Basic equipment , (L0L)

From July 2016

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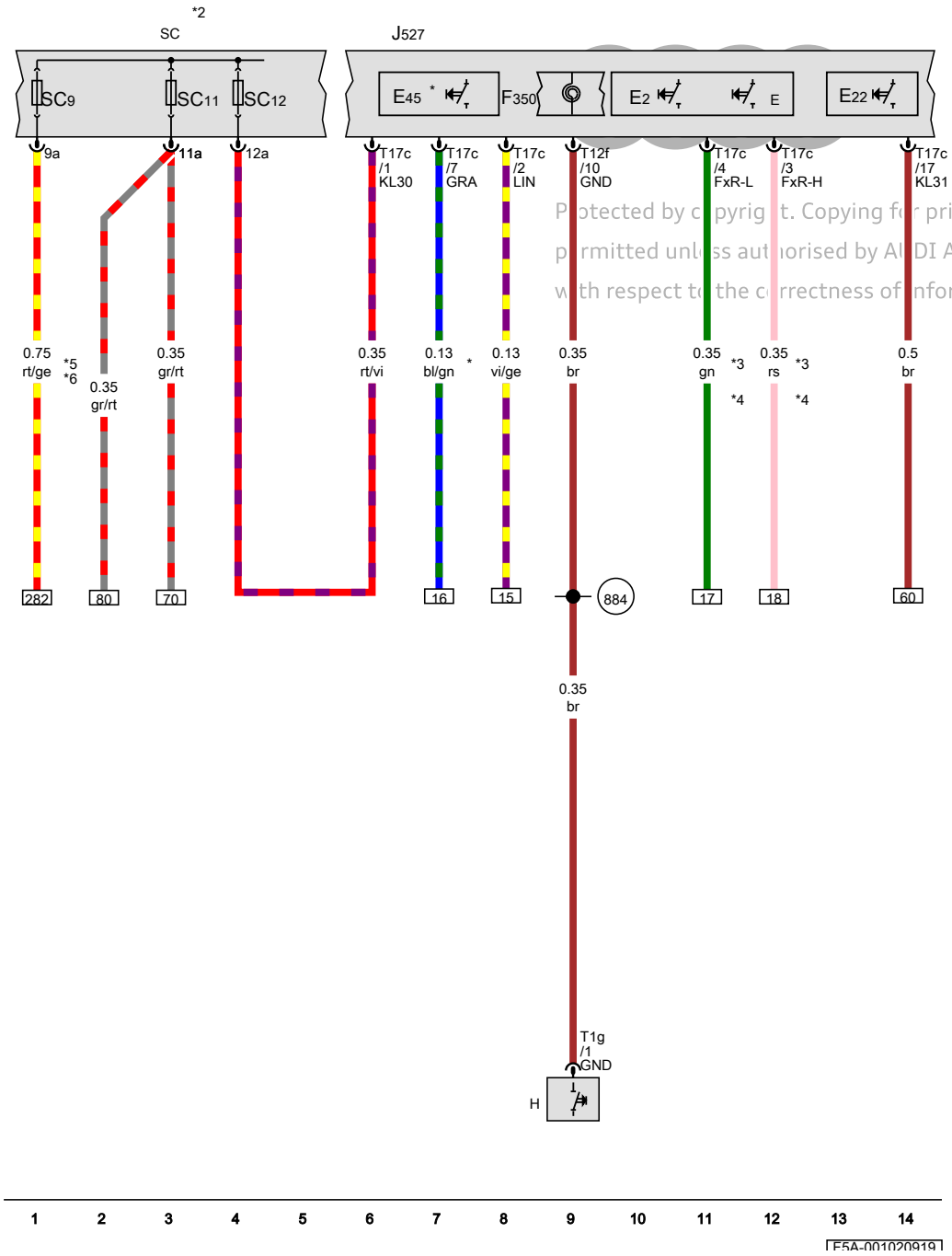

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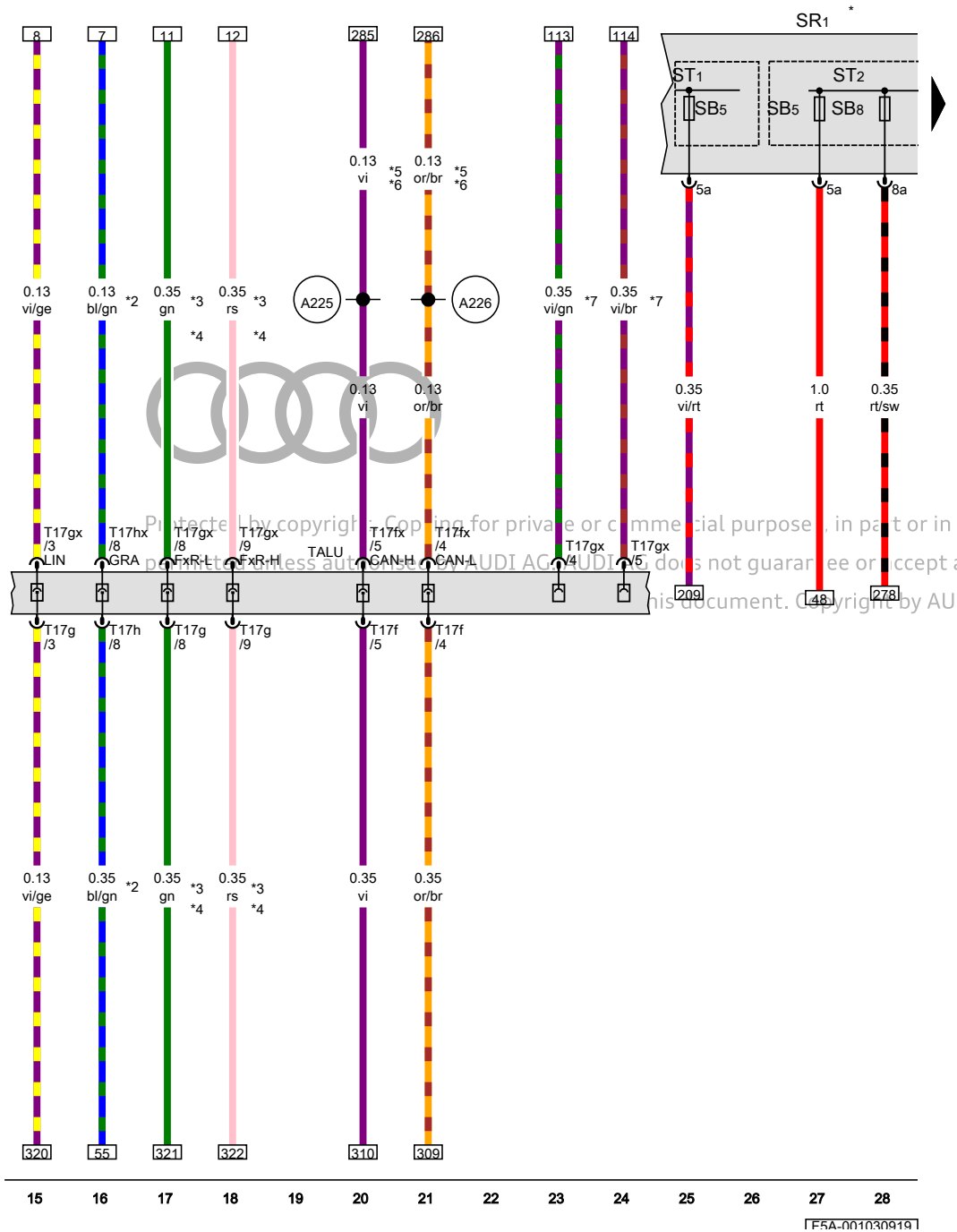
Windscreen wiper switch, Turn signal switch, Intermittent wiper switch, Cruise control system switch, Horn plate, Steering column electronics control unit, Fuse holder C

E	Windscreen wiper switch
E2	Turn signal switch
E22	Intermittent wiper switch
E45	Cruise control system switch
F350	Coil connector
H	Horn plate
J527	Steering column electronics control unit
SC	Fuse holder C
SC9	Fuse 9 on fuse holder C
SC11	Fuse 11 on fuse holder C
SC12	Fuse 12 on fuse holder C
T1g	1-pin connector, black
T12f	12-pin connector, black
T17c	17-pin connector, yellow
884	Earth connection 1 in steering wheel wiring harness
*	For models with cruise control system (CCS)
*2	see applicable current flow diagram for fuse assignment
*3	Data bus wire (FlexRay bus)
*4	see applicable current flow diagram for data bus network
*5	Up to September 2019
*6	see applicable current flow diagram for dash panel insert

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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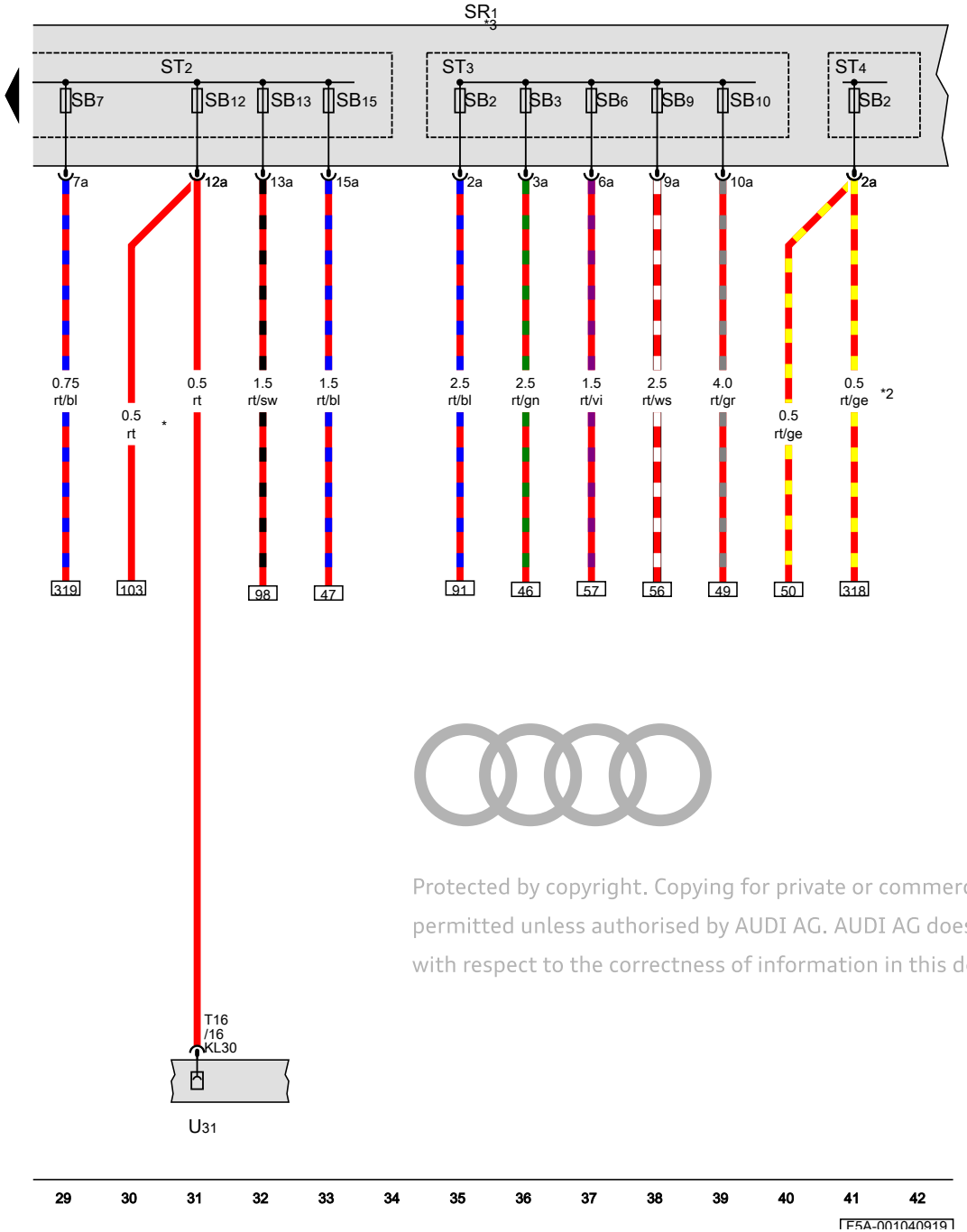
Relay and fuse carrier 1, Coupling point on left A-pillar, bottom

SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
ST2	Fuse carrier 2, red
SB5	Fuse 5 on fuse holder B
SB8	Fuse 8 on fuse holder B
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T17h	17-pin connector, white
T17hx	17-pin connector, white
TALU	Coupling point on left A-pillar, bottom
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with cruise control system (CCS)
*3	Data bus wire (FlexRay bus)
*4	see applicable current flow diagram for data bus network
*5	Up to September 2019
*6	see applicable current flow diagram for dash panel insert
*7	For American markets



Relay and fuse carrier 1, Diagnostic connection

SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
ST3	Fuse carrier 3, black
SB3	Fuse 3 on fuse holder B
ST4	Fuse carrier 4, black
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T16	16-pin connector, black
U31	Diagnostic connection
*	For models with no main beam assist
*2	Up to September 2019
*3	see applicable current flow diagram for fuse assignment

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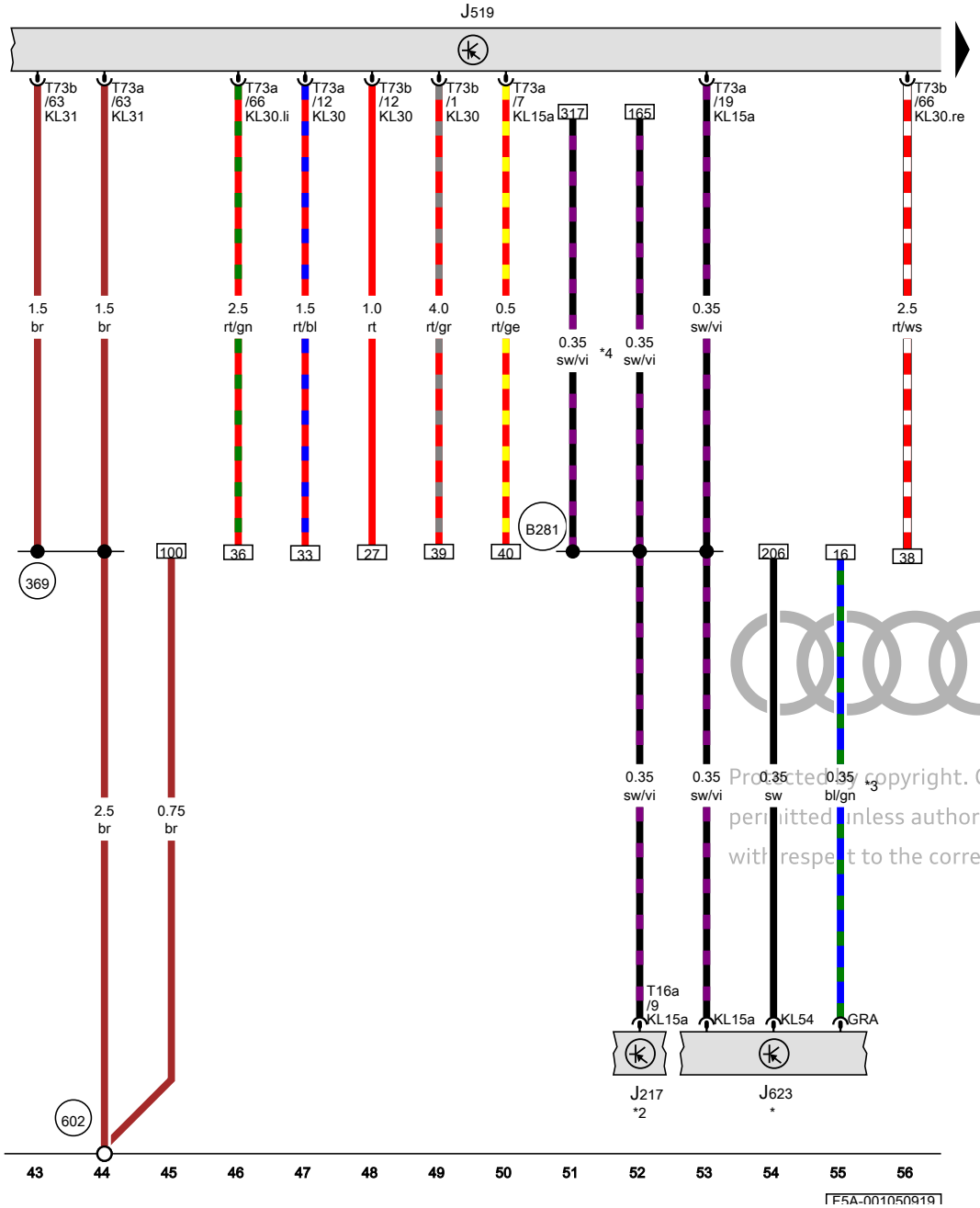
Automatic gearbox control unit, Onboard supply control unit, Engine/motor control unit



J217 Automatic gearbox control unit
J519 Onboard supply control unit
J623 Engine/motor control unit
T16a 16-pin connector, black
T73a 73-pin connector, black
T73b 73-pin connector, black

369 Earth connection 4, in main wiring harness

602 Earth point, in front left footwell

B281 Positive connection 5 (15a) in main wiring harness

* see applicable current flow diagram for engine
*2 According to equipment
*3 For models with cruise control system (CCS)
*4 From October 2019

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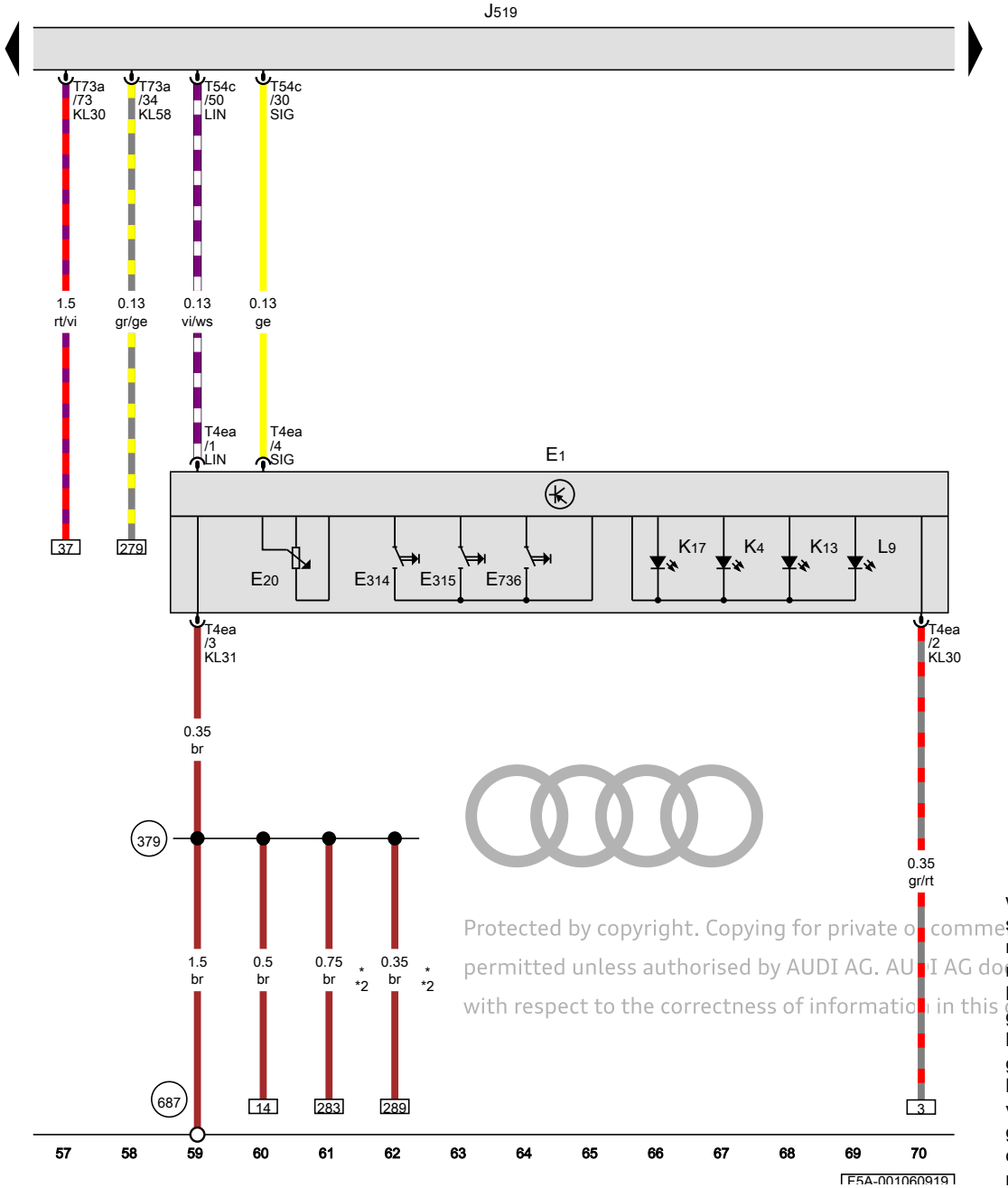

Light switch, Onboard supply control unit

E1	Light switch
E20	Switch and instrument illumination regulator
E314	Rear fog light button
E315	Fog light button
E736	Switch for head-up display
J519	Onboard supply control unit
K4	Side light warning lamp
K13	Rear fog light warning lamp
K17	Fog light warning lamp
L9	Light switch illumination bulb
T4ea	4-pin connector, black
T54c	54-pin connector, black
T73a	73-pin connector, black
379	Earth connection 14, in main wiring harness
687	Earth point 1, on centre tunnel
*	Up to September 2019
*2	see applicable current flow diagram for dash panel insert

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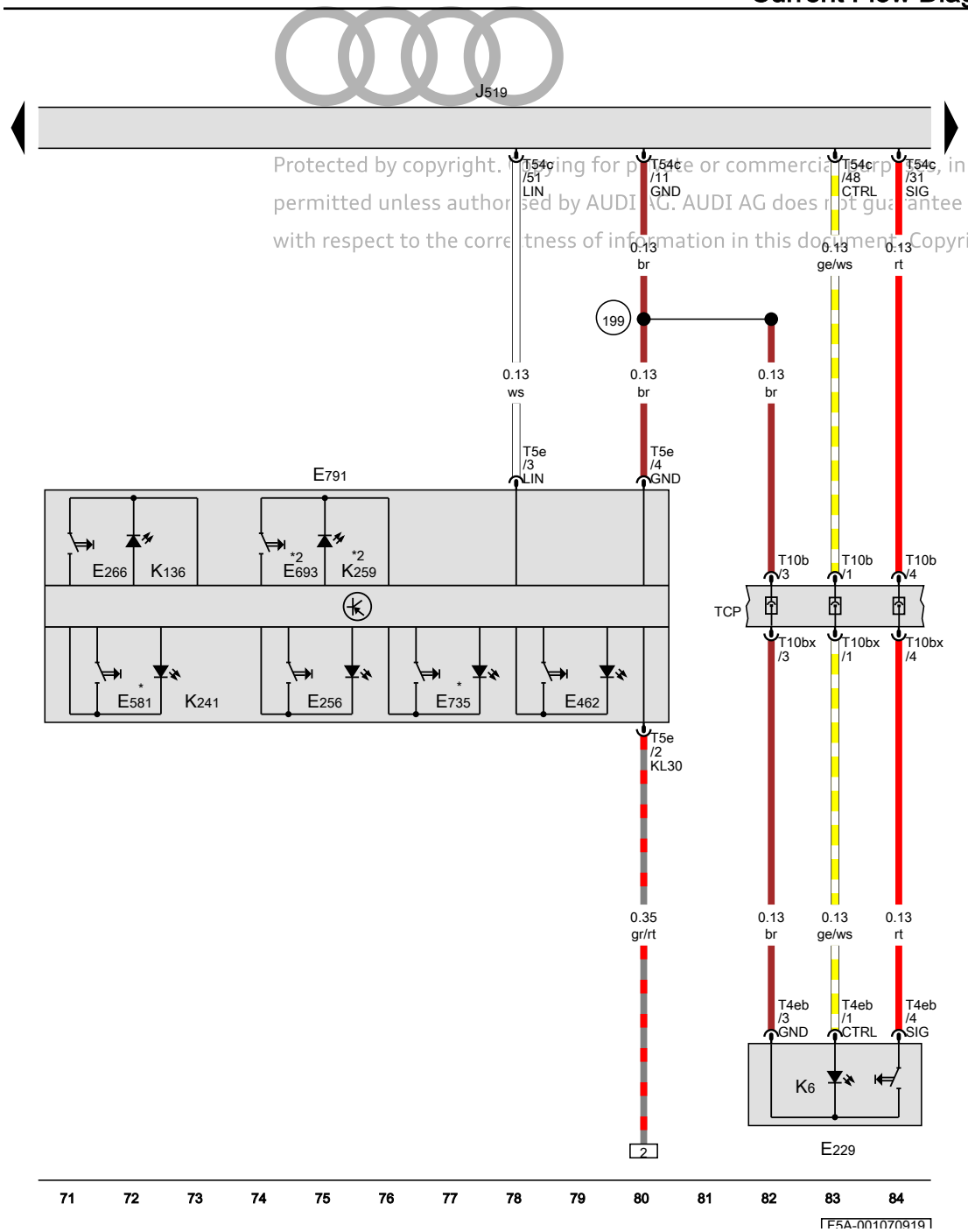

Hazard warning lights button, Operating unit 1 for driver and convenience functions, Onboard supply control unit

E229	Hazard warning lights button
E256	Button for TCS and electronic stabilisation program
E266	Parking aid button
E462	Open and close button for front display
E581	Park assist steering button
E693	Start/Stop operation button
E735	Driving mode selection button
E791	Operating unit 1 for driver and convenience functions
J519	Onboard supply control unit
K6	Indicator lamp for hazard warning light
K136	Parking aid warning lamp
K241	Warning light for park assist steering
K259	Start/Stop operation warning lamp
T4eb	4-pin connector, black
T5e	5-pin connector, brown
T10b	10-pin connector, black
T10bx	10-pin connector, black
T54c	54-pin connector, black
TCP	Coupling point on dash panel
199	Earth connection 3, in dash panel wiring harness
*	According to equipment
*2	For models with start/stop system

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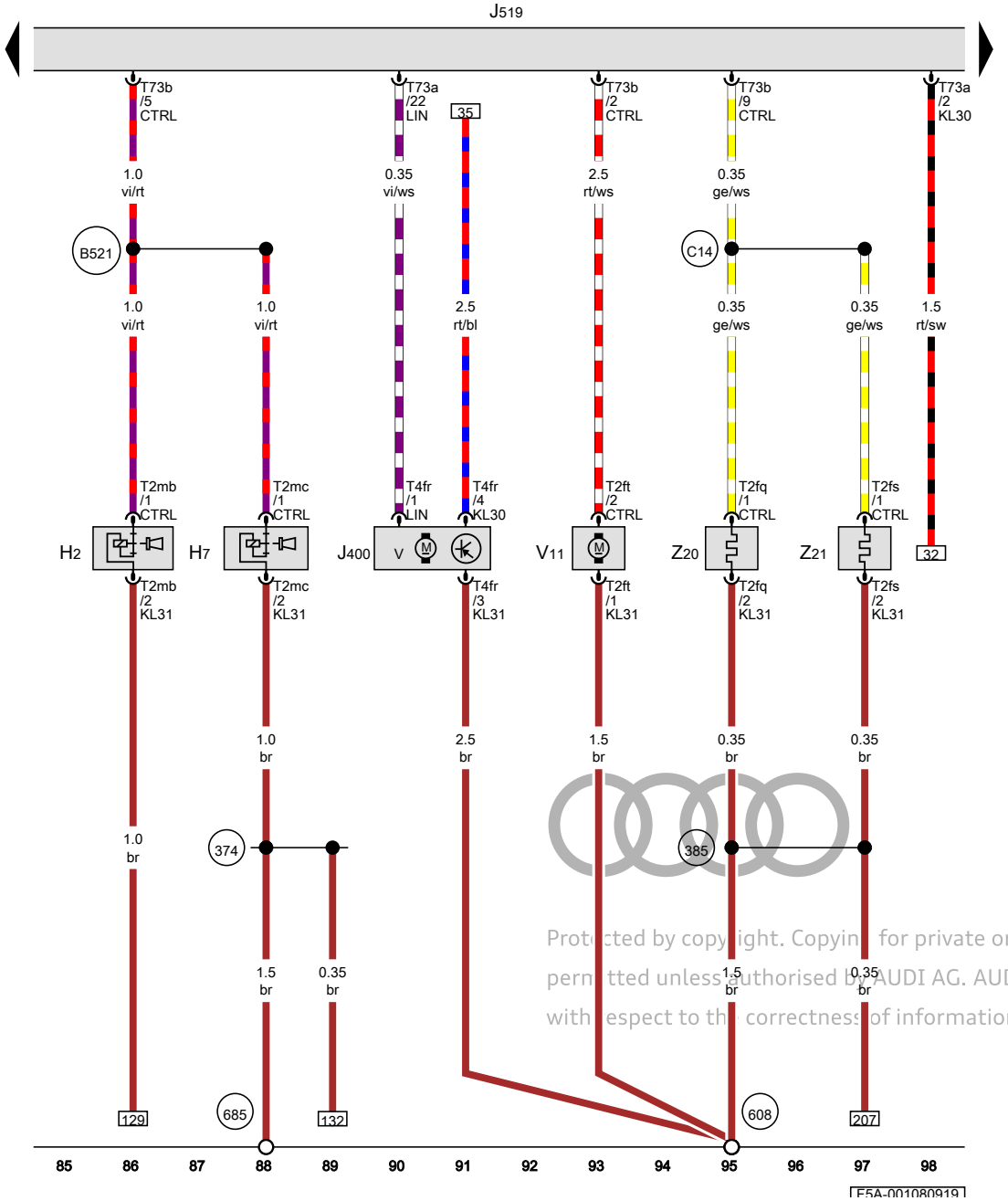

Treble horn, Bass horn, Wiper motor control unit, Onboard supply control unit, Windscreen wiper motor, Headlight washer system pump, Left washer jet heater element, Right washer jet heater element

H2	Treble horn
H7	Bass horn
J400	Wiper motor control unit
J519	Onboard supply control unit
T2fq	2-pin connector, black
T2fs	2-pin connector, black
T2ft	2-pin connector, black
T2mb	2-pin connector, black
T2mc	2-pin connector, black
T4fr	4-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V	Windscreen wiper motor
V11	Headlight washer system pump
Z20	Left washer jet heater element
Z21	Right washer jet heater element
374	Earth connection 9, in main wiring harness
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
685	Earth point 1, on front of right longitudinal member
B521	Connection (dual tone horn), in main wiring harness
C14	Positive connection (15), in heated washer jet wiring harness

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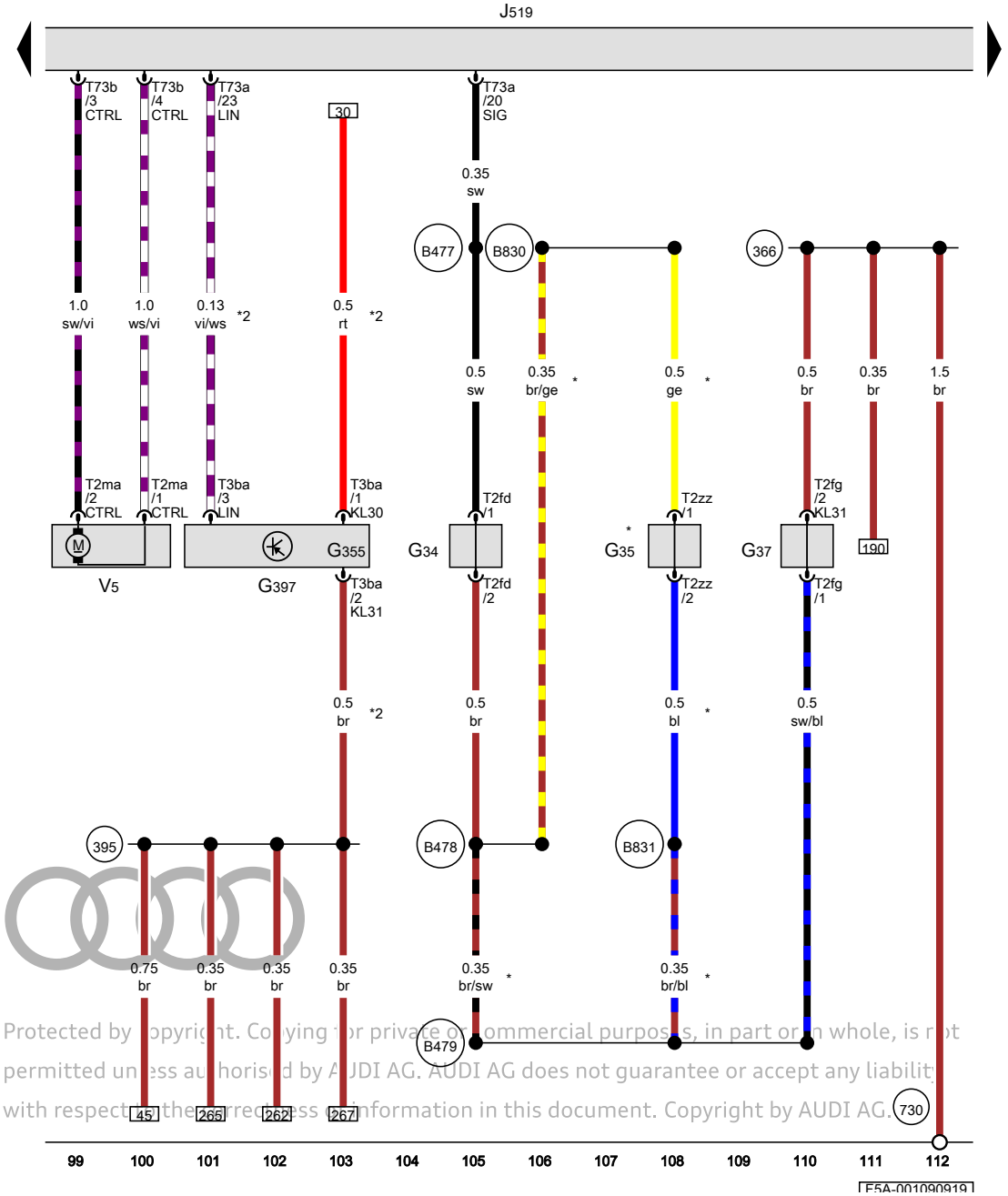

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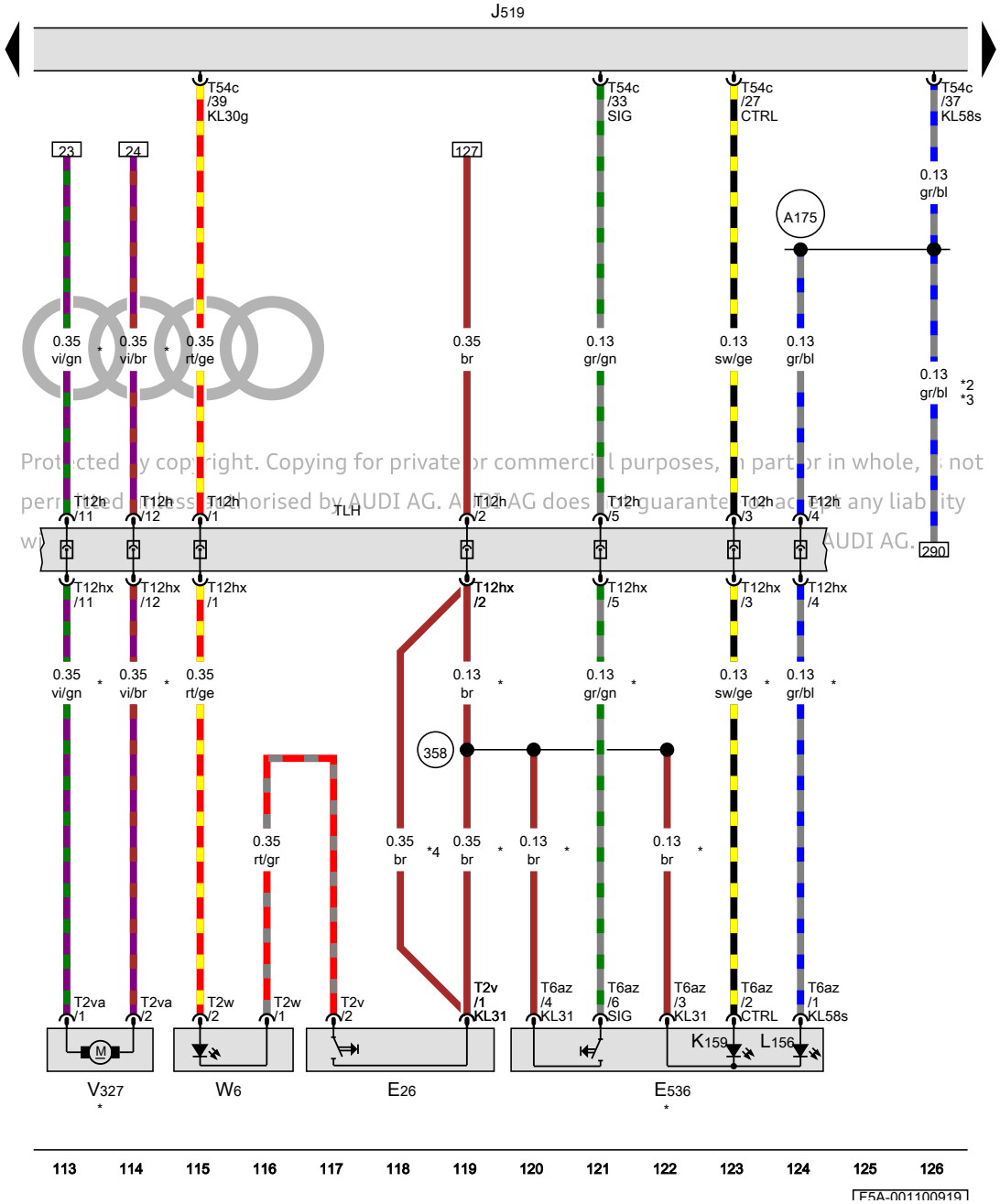
Front left brake pad wear sender, Front right brake pad wear sender, Rear right brake pad wear sender, Rain and light sensor, Onboard supply control unit, Washer pump

G34	Front left brake pad wear sender
G35	Front right brake pad wear sender
G37	Rear right brake pad wear sender
G355	Humidity sender
G397	Rain and light sensor
J519	Onboard supply control unit
T2fd	2-pin connector, black
T2fg	2-pin connector, black
T2ma	2-pin connector, black
T2zz	2-pin connector, black
T3ba	3-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V5	Washer pump
366	Earth connection 1, in main wiring harness
395	Earth connection 30, in main wiring harness
730	Earth point 1, on right rear wheel housing
B477	Connection 13, in main wiring harness
B478	Connection 14, in main wiring harness
B479	Connection 15, in main wiring harness
B830	Connection 5 (brake pad wear indicator), in main wiring harness
B831	Connection 6 (brake pad wear indicator), in main wiring harness
*	According to equipment
*2	For models with no main beam assist



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Glove compartment light switch, Onboard supply control unit, Valet parking warning lamp, Switch illumination bulb, Glove compartment release motor, Glove compartment light

E26	Glove compartment light switch
E536	Valet parking button
J519	Onboard supply control unit
K159	Valet parking warning lamp
L156	Switch illumination bulb
T2v	2-pin connector, black
T2va	2-pin connector, black
T2w	2-pin connector, black
T6az	6-pin connector, red
T12h	12-pin connector, black
T12hx	12-pin connector, black
T54c	54-pin connector, black
TLH	Coupling point for glove compartment wiring harness
V327	Glove compartment release motor
W6	Glove compartment light
358	Earth connection, in glove compartment wiring harness
A175	Connection (58s), in dash panel wiring harness
*	For American markets
*2	Up to September 2019
*3	see applicable current flow diagram for dash panel insert
*4	According to equipment

ws	=	white
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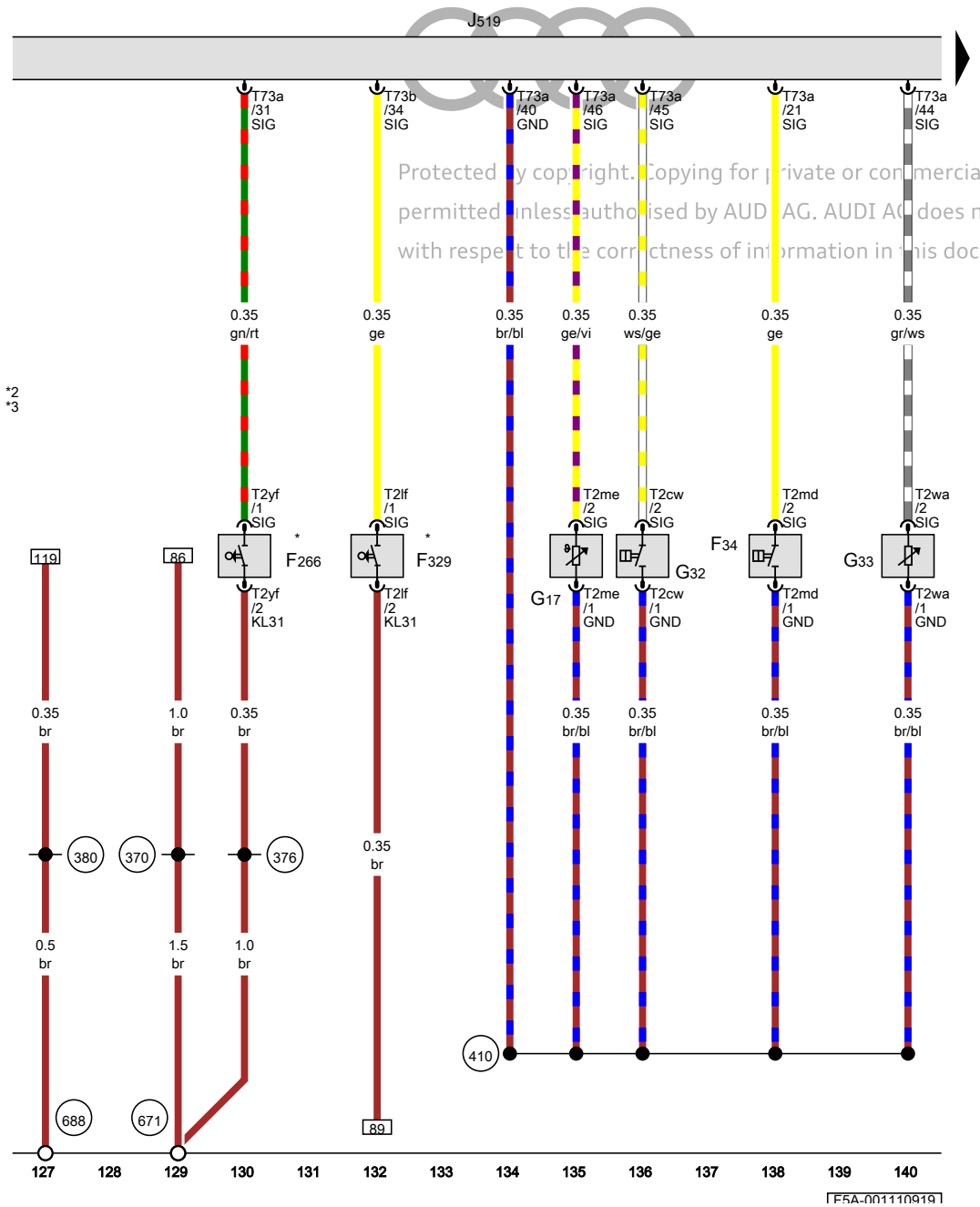

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Brake fluid level warning contact, Bonnet contact switch, Bonnet contact switch 2, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Onboard supply control unit

F34	Brake fluid level warning contact
F266	Bonnet contact switch
F329	Bonnet contact switch 2
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J519	Onboard supply control unit
T2cw	2-pin connector, black
T2lf	2-pin connector, black
T2md	2-pin connector, black
T2me	2-pin connector, black
T2wa	2-pin connector, black
T2yf	2-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
370	Earth connection 5, in main wiring harness
376	Earth connection 11, in main wiring harness
380	Earth connection 15, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
671	Earth point 1, on front of left longitudinal member
688	Earth point 2, on centre tunnel
*	Pre-wired component

ws	=	white
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ro	=	red
rt	=	red
br	=	brown
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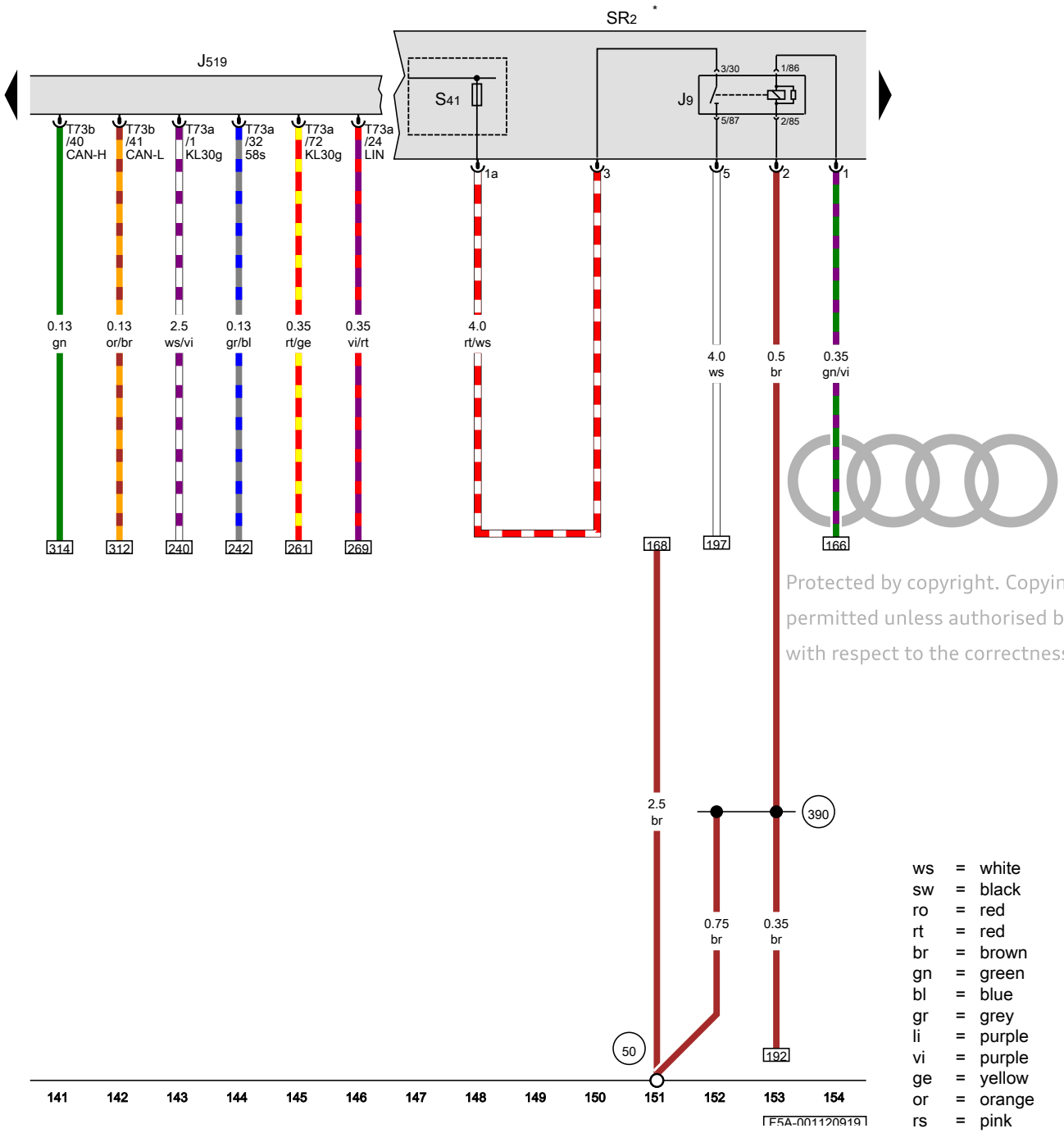

Heated rear window relay, Onboard supply control unit, Relay and fuse carrier 2

J9	Heated rear window relay, black
J519	Onboard supply control unit
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
S41	Heated rear window single fuse
T73a	73-pin connector, black
T73b	73-pin connector, black
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
*	see applicable current flow diagram for fuse assignment

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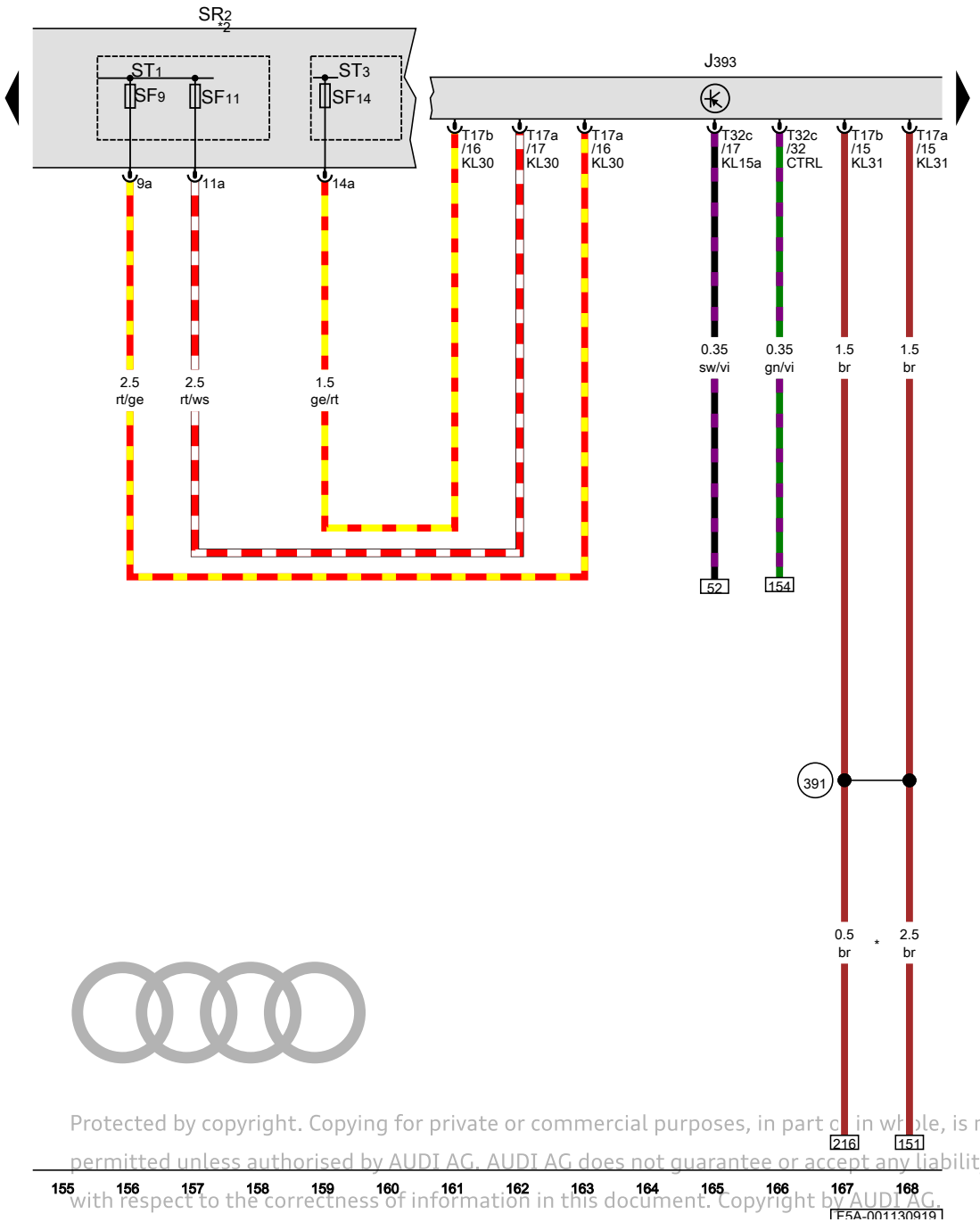

Convenience system central control unit, Relay and fuse carrier 2

J393	Convenience system central control unit
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
ST3	Fuse carrier 3
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
391	Earth connection 26, in main wiring harness
*	Up to September 2019
*2	see applicable current flow diagram for fuse assignment

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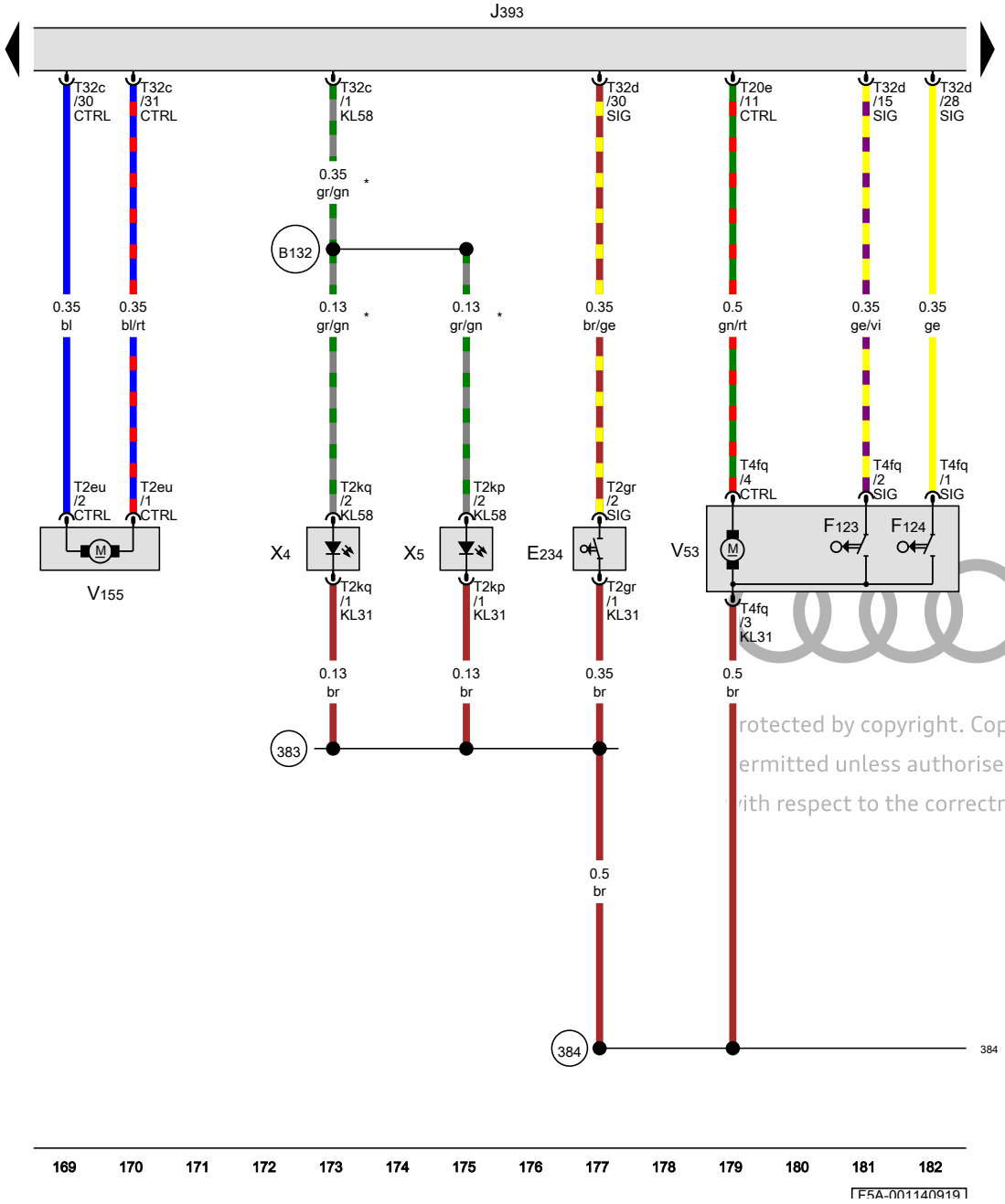

Rear lid handle release button, Rear lid contact switch for anti-theft alarm, Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system, Convenience system central control unit, Rear lid central locking motor, Tank filler flap locking motor, Left number plate light, Right number plate light

E234	Rear lid handle release button
F123	Rear lid contact switch for anti-theft alarm
F124	Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
J393	Convenience system central control unit
T2eu	2-pin connector, black
T2gr	2-pin connector, black
T2kp	2-pin connector, black
T2kq	2-pin connector, black
T4fq	4-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, colourless
T32d	32-pin connector, blue
V53	Rear lid central locking motor
V155	Tank filler flap locking motor
X4	Left number plate light
X5	Right number plate light
383	Earth connection 18, in main wiring harness
384	Earth connection 19, in main wiring harness
B132	Connection (number plate lights), in interior wiring harness
*	Different wire colour possible

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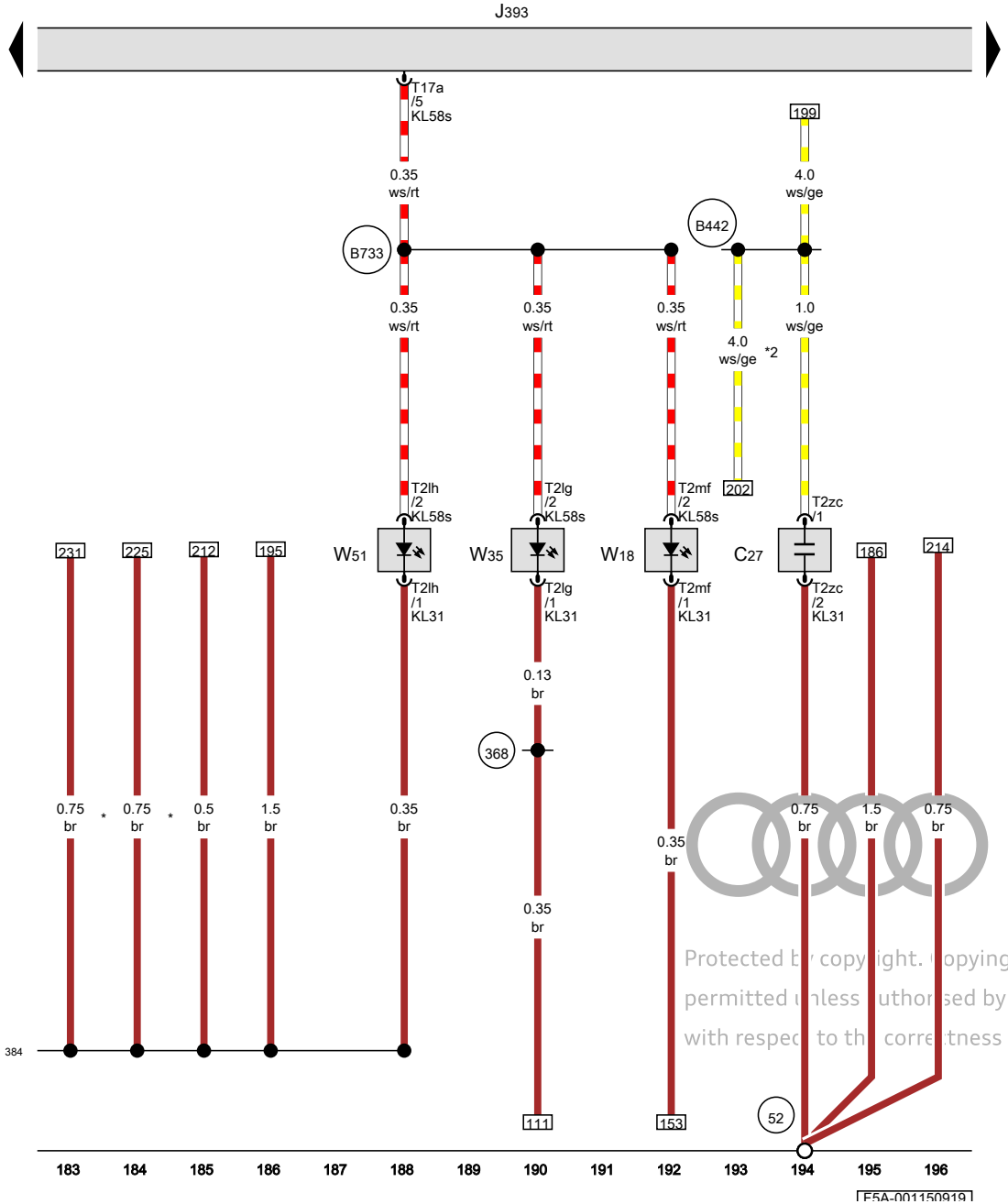

Suppression filter for heated rear window, Convenience system central control unit, Left luggage compartment light, Right luggage compartment light, Rear lid light

C27	Suppression filter for heated rear window
J393	Convenience system central control unit
T2lg	2-pin connector, black
T2lh	2-pin connector, black
T2mf	2-pin connector, black
T2zc	2-pin connector, black
T17a	17-pin connector, brown
W18	Left luggage compartment light
W35	Right luggage compartment light
W51	Rear lid light
52	Earth point, on left in rear lid
368	Earth connection 3, in main wiring harness
384	Earth connection 19, in main wiring harness
B442	Connection 1 (rear window), in main wiring harness
B733	Connection 3 (58s), in main wiring harness
*	Up to September 2019
*2	gradual introduction

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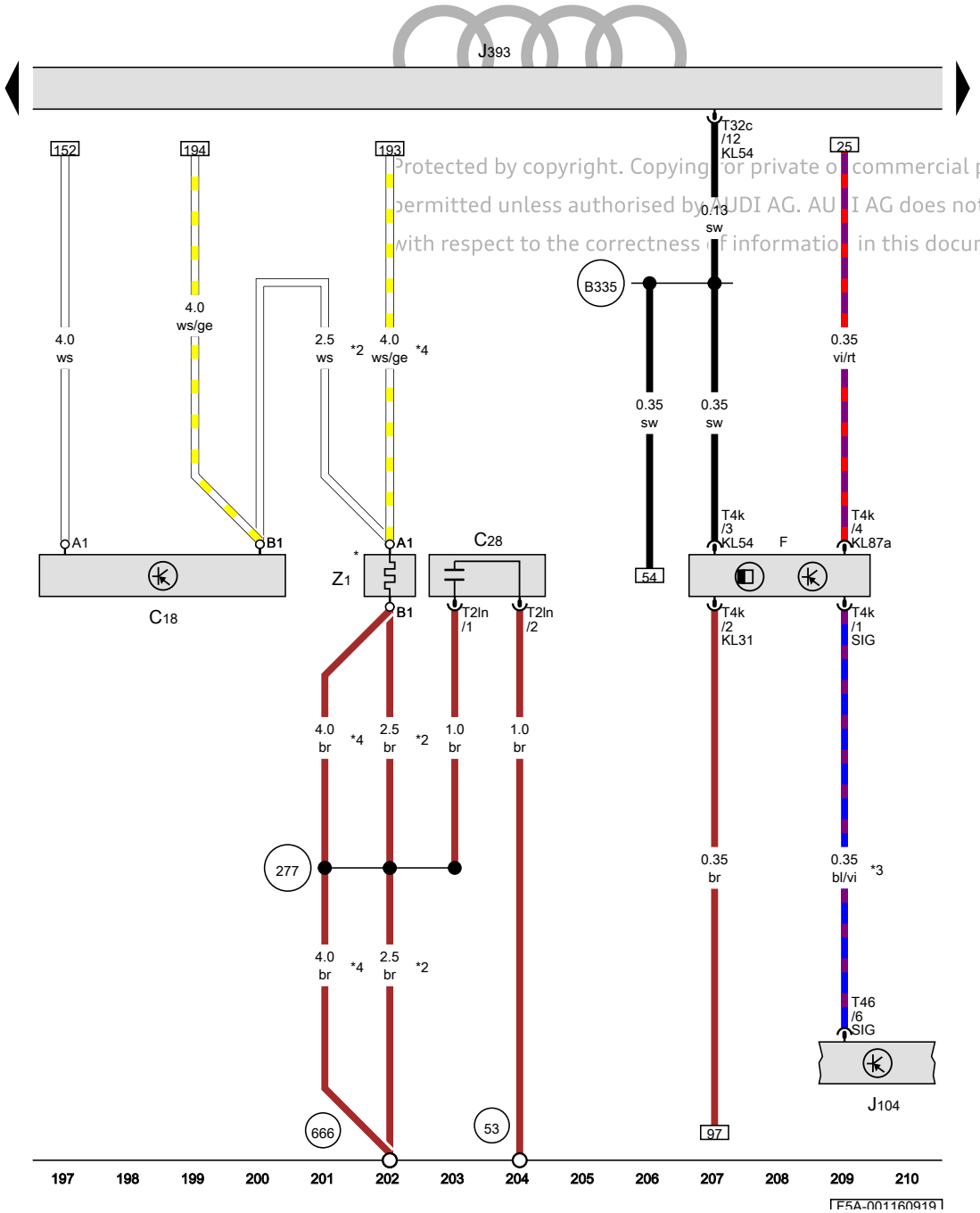

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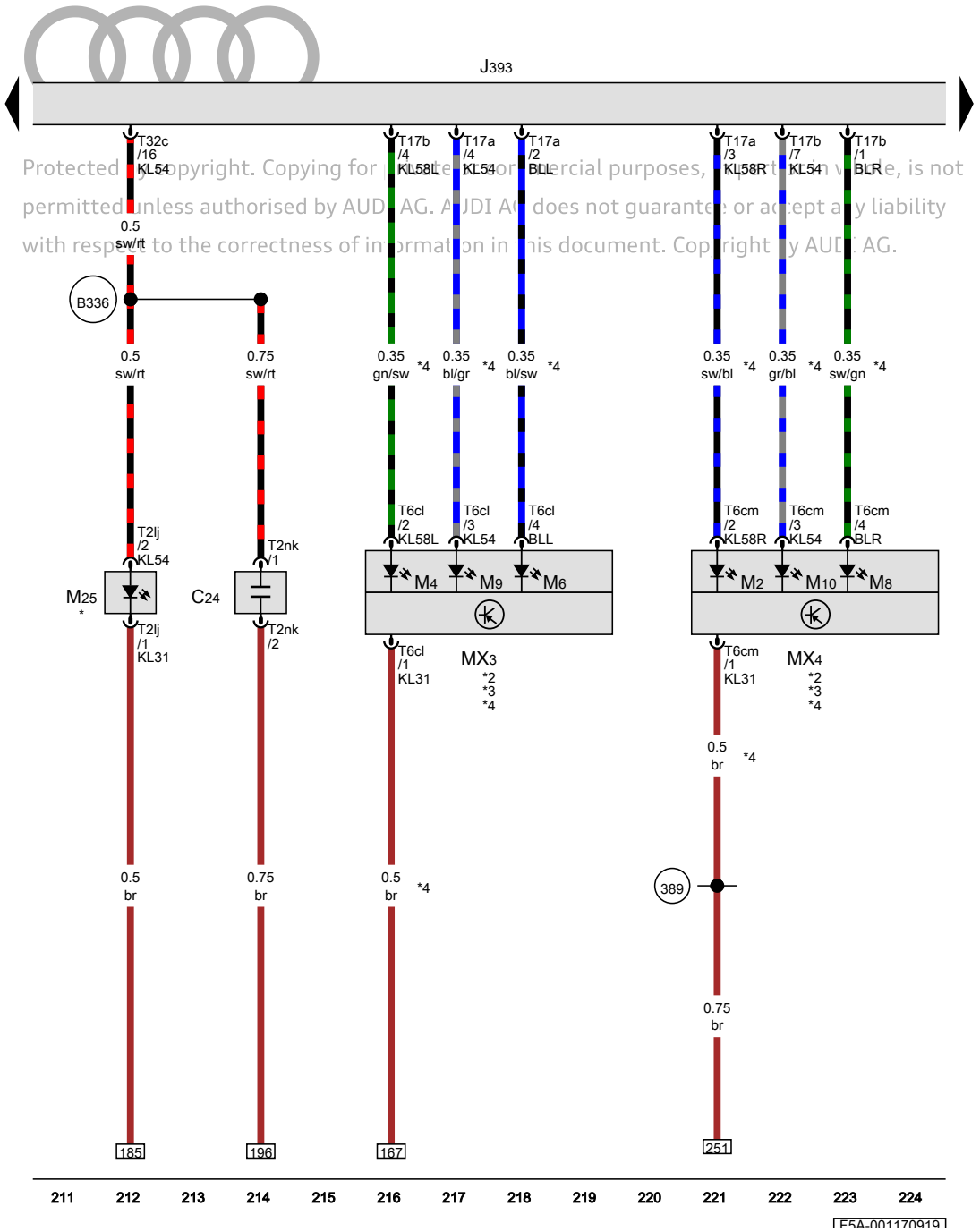
Window aerial suppression filter, Brake light switch, Convenience system central control unit, Heated rear window

C18	Window aerial suppression filter
C28	Suppression filter 2 for heated rear window
F	Brake light switch
J104	ABS control unit
J393	Convenience system central control unit
T2ln	2-pin connector, black
T4k	4-pin connector, black
T32c	32-pin connector, colourless
T46	46-pin connector, black
Z1	Heated rear window
53	Earth point, on right in rear lid
277	Earth connection 3, in interior wiring harness
666	Earth point, on rear right of roof
B335	Connection 1 (54), in main wiring harness
*	Pre-wired component
*2	Gradually discontinued
*3	For models with 48 V hybrid system
*4	gradual introduction



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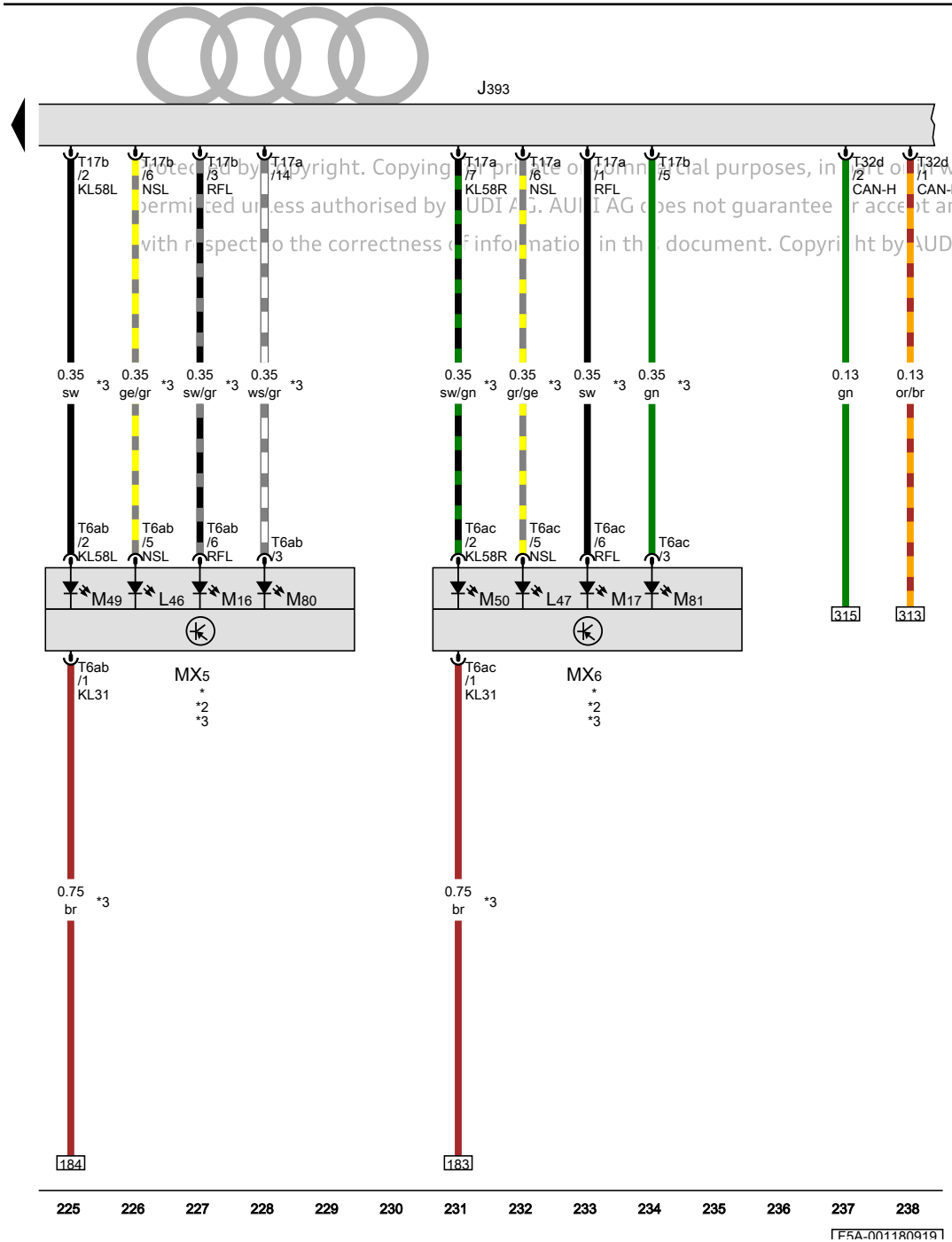
Suppression filter, Convenience system central control unit, Left tail light cluster, Right tail light cluster, High-level brake light bulb

C24	Suppression filter
J393	Convenience system central control unit
M2	Right tail light bulb
MX3	Left tail light cluster
MX4	Right tail light cluster
M4	Left tail light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M9	Left brake light bulb
M10	Right brake light bulb
M25	High-level brake light bulb
T2lj	2-pin connector, black
T2nk	2-pin connector, black
T6cl	6-pin connector, black
T6cm	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
389	Earth connection 24, in main wiring harness
B336	Connection 2 (54), in main wiring harness
*	Pre-wired component
*2	Not for American markets
*3	see applicable current flow diagram for tail light clusters
*4	Up to September 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Convenience system central control unit, Left tail light cluster 2, Right tail light cluster 2

J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
MX5	Left tail light cluster 2
MX6	Right tail light cluster 2
M16	Left reversing light bulb
M17	Right reversing light bulb
M49	Left tail light bulb 2
M50	Right tail light bulb 2
M80	Bulb 2 for rear left turn signal
M81	Bulb 2 for rear right turn signal
T6ab	6-pin connector, black
T6ac	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32d	32-pin connector, blue
*	Not for American markets
*2	see applicable current flow diagram for tail light clusters
*3	Up to September 2019

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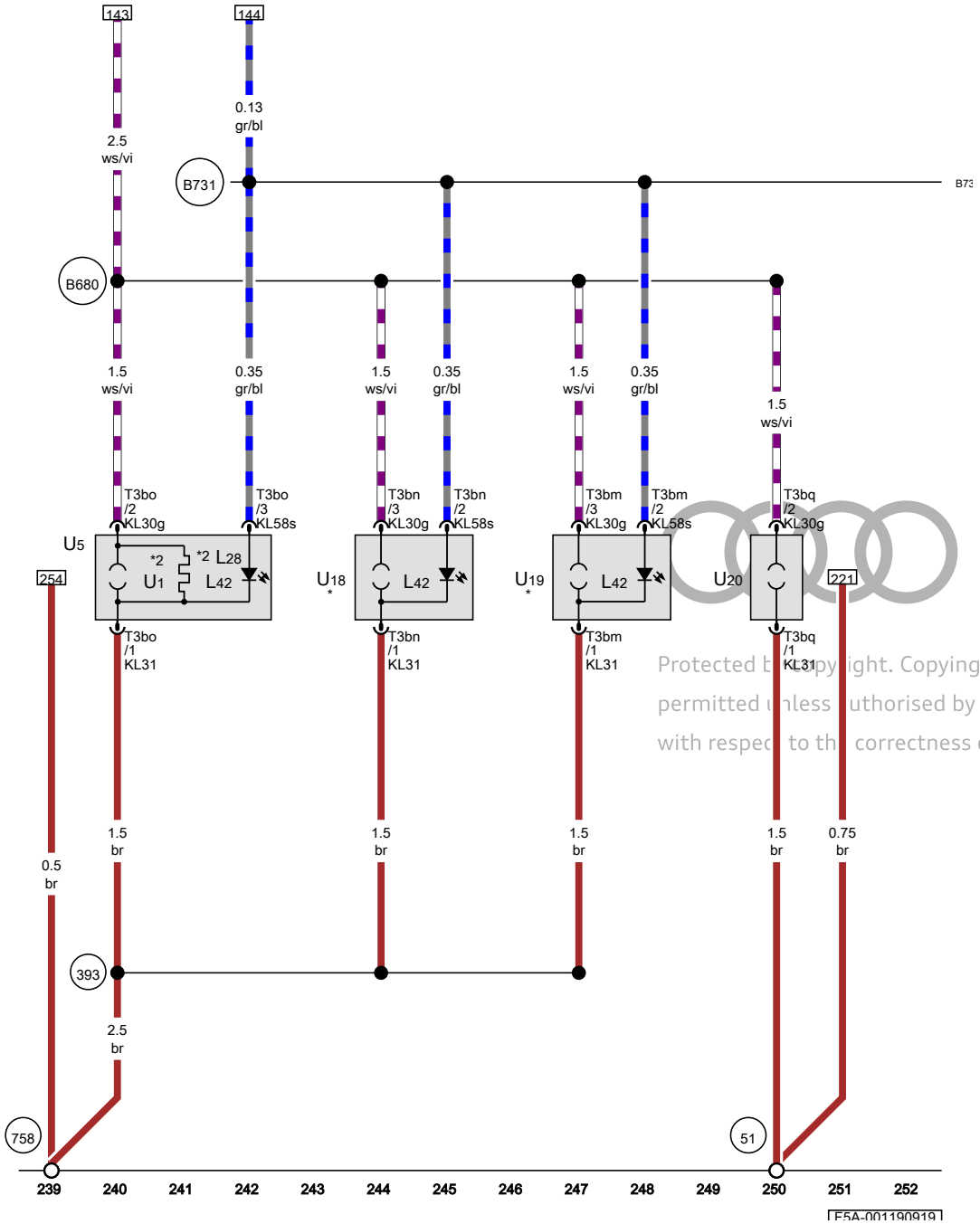

Cigarette lighter, 12 V socket, 12 V socket 2, 12 V socket 3, 12 V socket 4

L28	Cigarette lighter illumination bulb
L42	Socket illumination bulb
T3bm	3-pin connector, black
T3bn	3-pin connector, black
T3bo	3-pin connector, black
T3bq	3-pin connector, black
U1	Cigarette lighter
U5	12 V socket
U18	12 V socket 2, in rear centre console
U19	12 V socket 3, in rear centre console
U20	12 V socket 4
51	Earth point, on right in luggage compartment
393	Earth connection 28, in main wiring harness
758	Earth point 3, on centre tunnel
B680	Connection (electric socket), in interior wiring harness
B731	Connection 1 (58s), in main wiring harness
*	Pre-wired component
*2	For smoker version models

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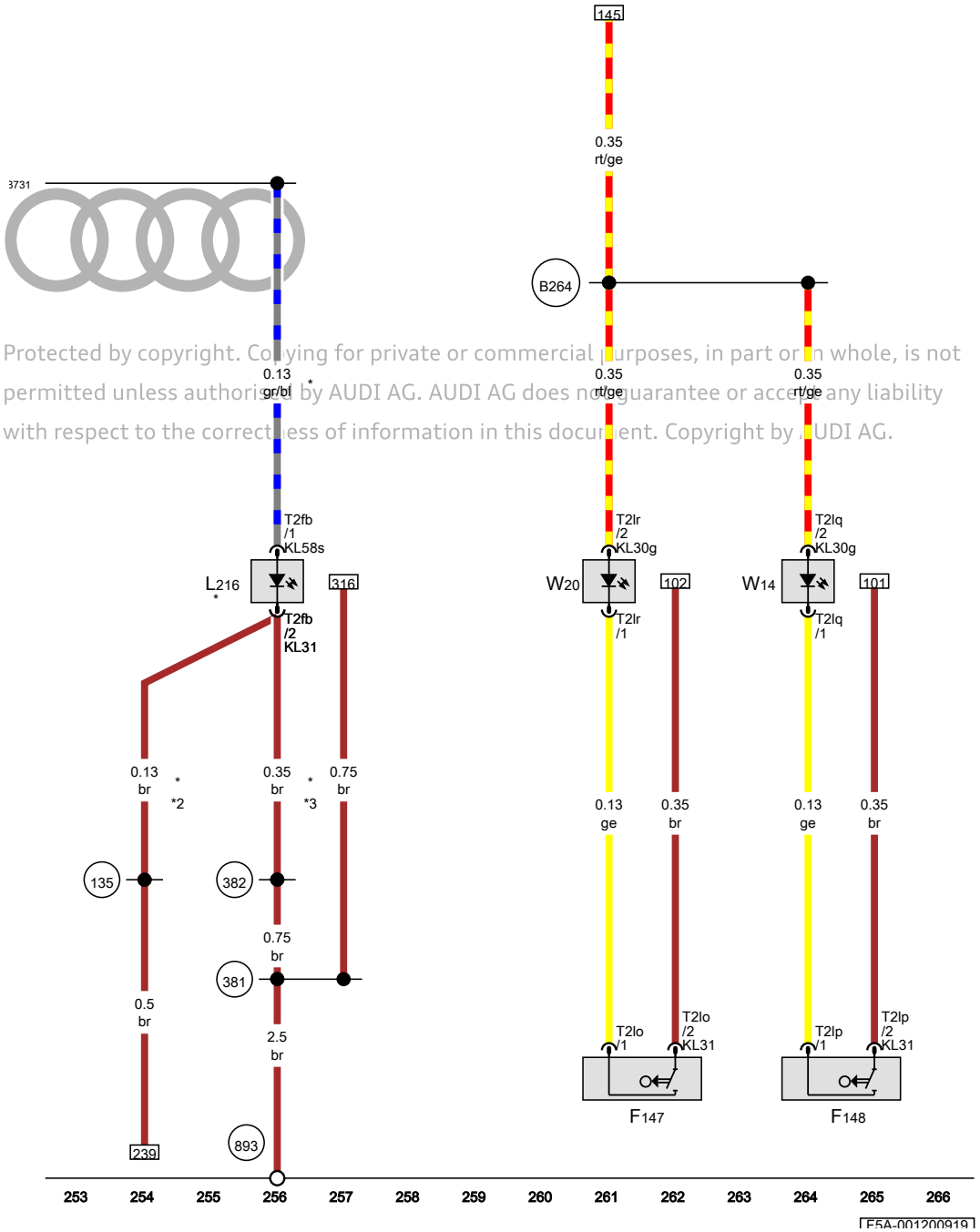

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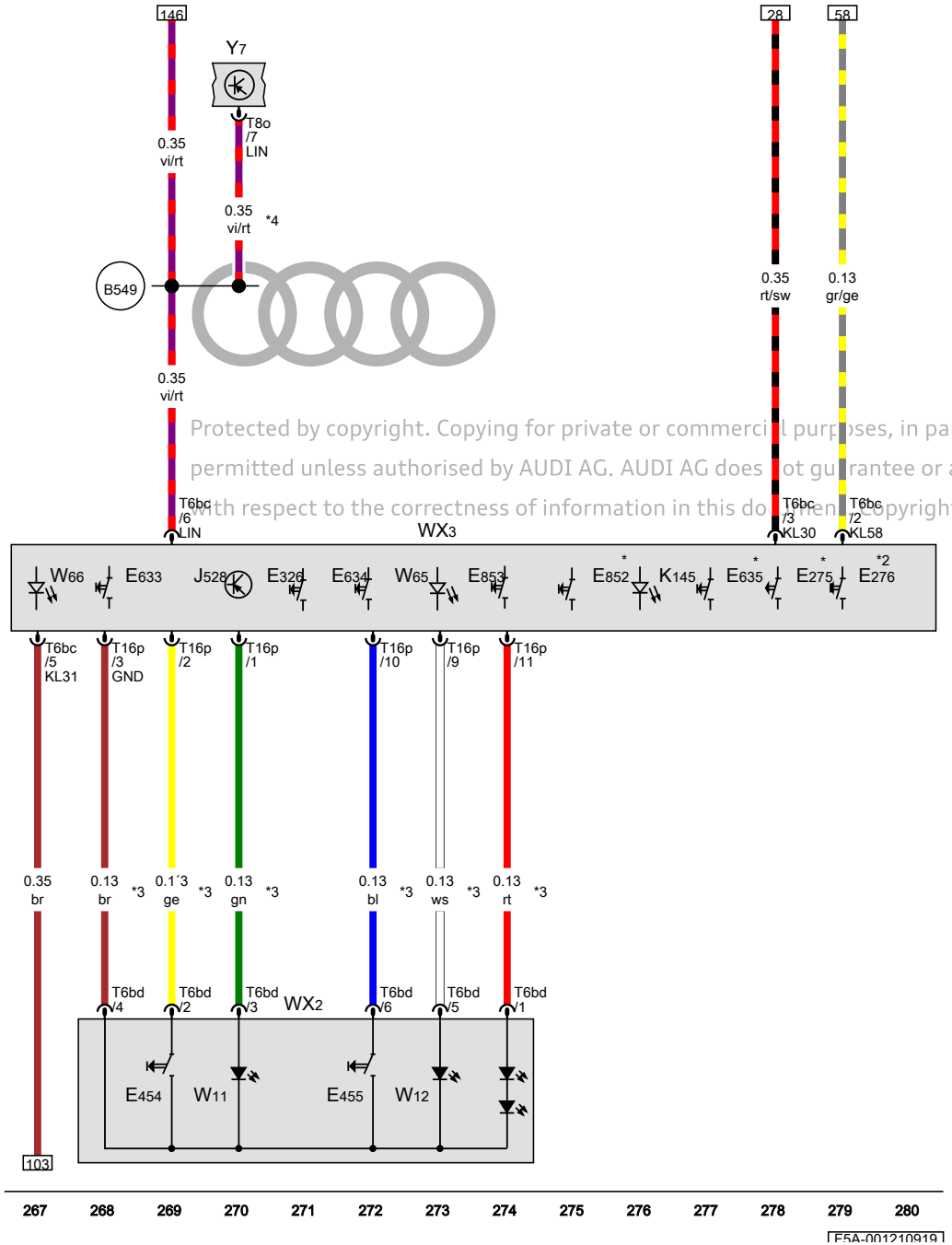
Driver vanity mirror contact switch, Front passenger vanity mirror contact switch, Rear vent illumination bulb, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror

F147	Driver vanity mirror contact switch
F148	Front passenger vanity mirror contact switch
L216	Rear vent illumination bulb, middle
T2fb	2-pin connector, black
T2lo	2-pin connector, black
T2lp	2-pin connector, black
T2lq	2-pin connector, black
T2lr	2-pin connector, black
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
135	Earth connection 2, in dash panel wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
B264	Connection 1, in roof wiring harness
B731	Connection 1 (58s), in main wiring harness
*	According to equipment
*2	Up to October 2017
*3	From November 2017



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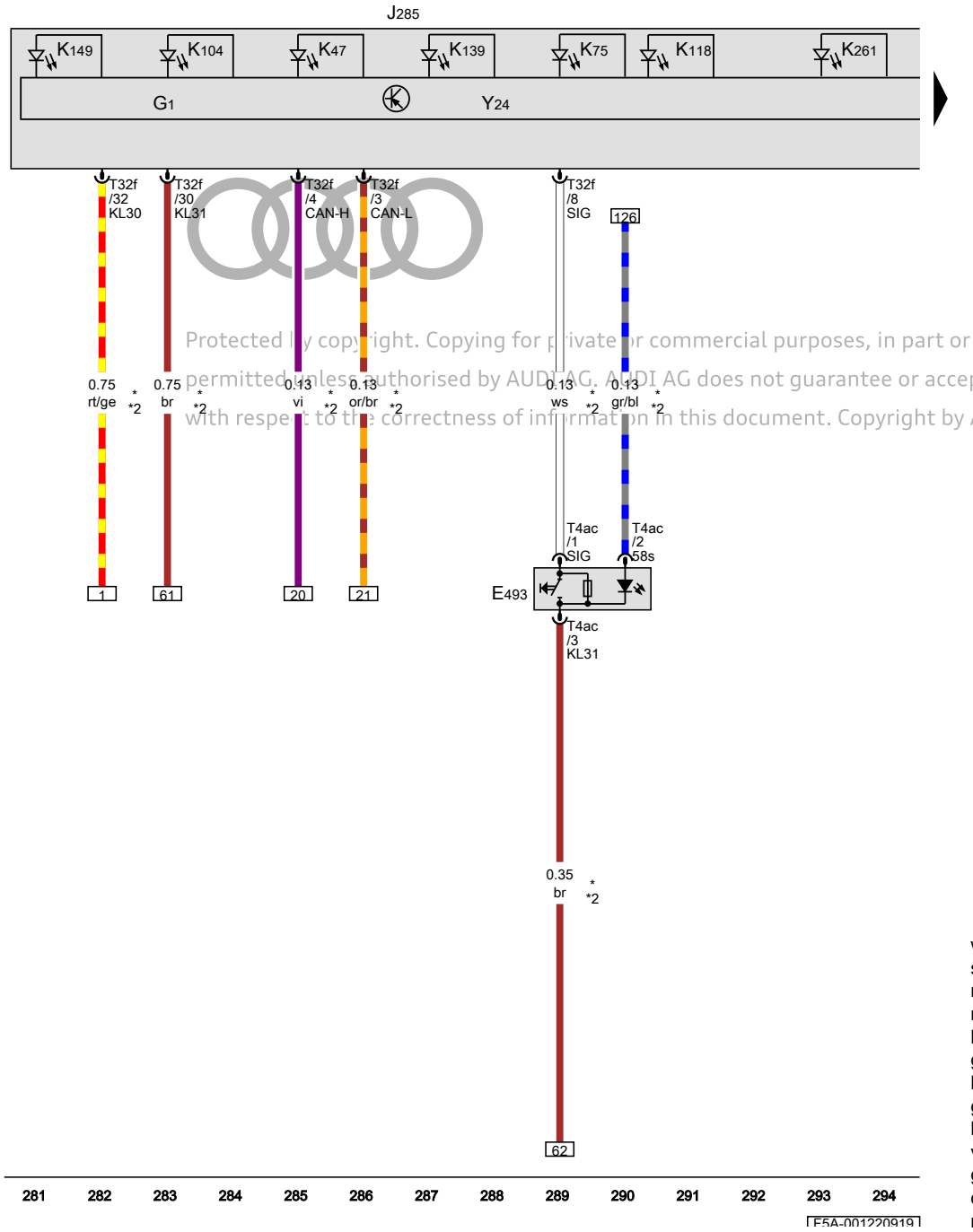
Front left reading light button, Front right reading light button, Warning lamp for airbag deactivated on front passenger side, Rear interior light, Front roof module, Front left reading light, Front right reading light

E275	Breakdown assistance call button
E276	Emergency assistance call button
E326	Front interior light button
E454	Rear left reading light button
E455	Rear right reading light button
E633	Front left reading light button
E634	Front right reading light button
E635	Front button for rear reading light
E852	Button for rear roof functions
E853	Button for automatic interior light functions
J528	Roof electronics control unit
K145	Warning lamp for airbag deactivated on front passenger side
T6bc	6-pin connector, black
T6bd	6-pin connector, black
T8o	8-pin connector, black
T16p	16-pin connector, brown
WX2	Rear interior light, middle
WX3	Front roof module
W11	Rear left reading light
W12	Rear right reading light
W65	Front left reading light
W66	Front right reading light
Y7	Automatic anti-dazzle interior mirror
B549	Connection 2 (LIN bus) in main wiring harness
*	For models with panoramic sliding sunroof
*2	According to equipment
*3	Adapter wire
*4	For models with no main beam assist



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Dash panel insert operating button, Control unit in dash panel insert, Display in dash panel insert

E493	Dash panel insert operating button
G1	Fuel gauge
J285	Control unit in dash panel insert
K47	ABS warning lamp
K75	Airbag warning lamp
K104	Diesel electronics warning lamp
K118	Brake system warning lamp
K139	Handbrake warning lamp
K149	Engine electronics warning lamp
K261	Warning lamp for left turn signal
T4ac	4-pin connector, black
T32f	32-pin connector, grey
Y24	Display in dash panel insert
*	Up to September 2019
*2	see applicable current flow diagram for dash panel insert

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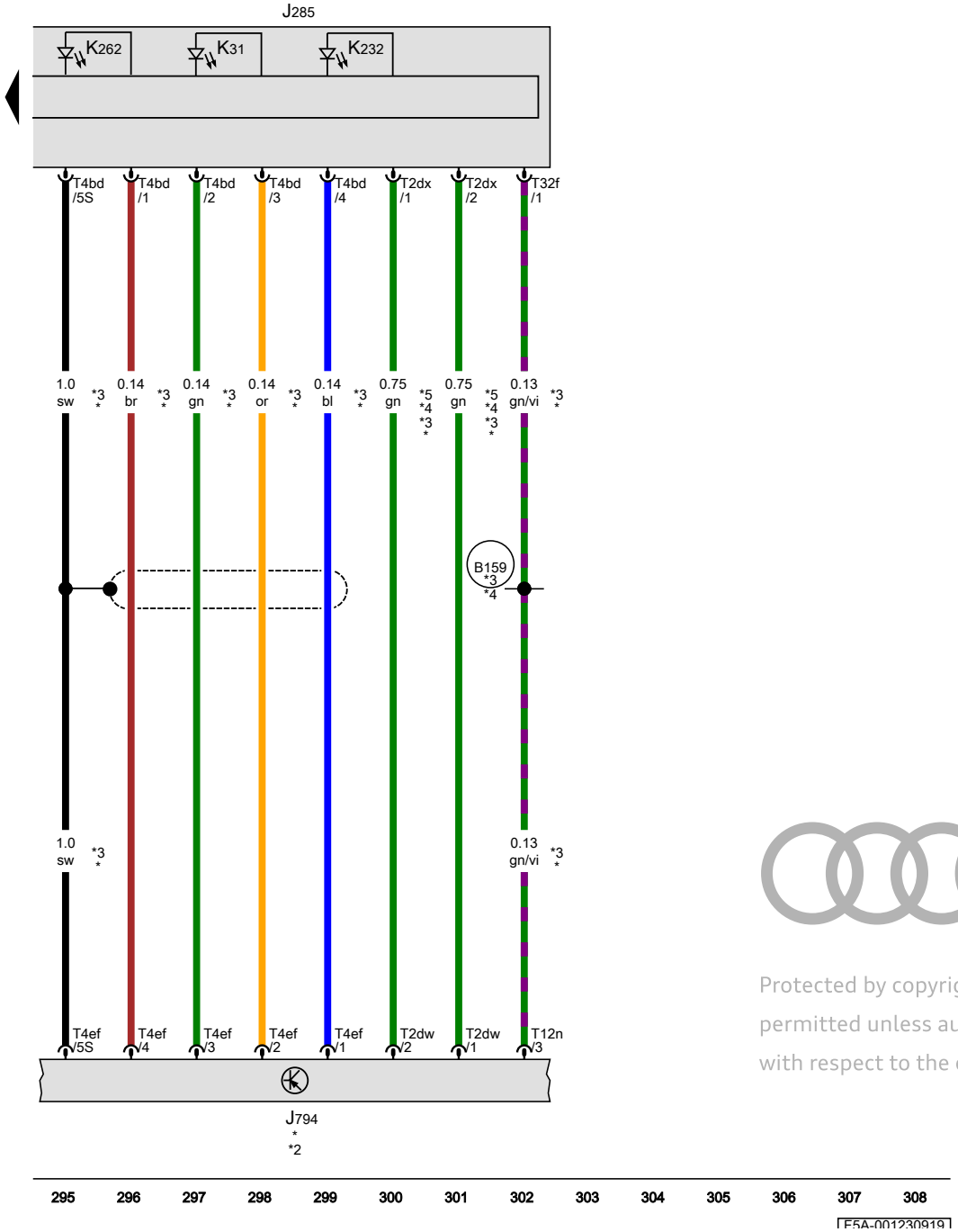

Control unit in dash panel insert, Control unit 1 for information electronics

J285	Control unit in dash panel insert
J794	Control unit 1 for information electronics
K31	Cruise control system warning lamp
K232	Lane change assist warning lamp
K262	Warning lamp for right turn signal
T2dw	2-pin connector, black
T2dx	2-pin connector, black
T4bd	4-pin connector, black
T4ef	4-pin connector, yellow
T12n	12-pin connector, grey
T32f	32-pin connector, grey
B159	Connection (diagnosis), in interior wiring harness
*	see applicable current flow diagram for dash panel insert
*2	see applicable current flow diagram for MMI (information electronics)
*3	Up to September 2019
*4	see applicable current flow diagram for infotainment MOST bus
*5	Fibre optic cable (FOC)

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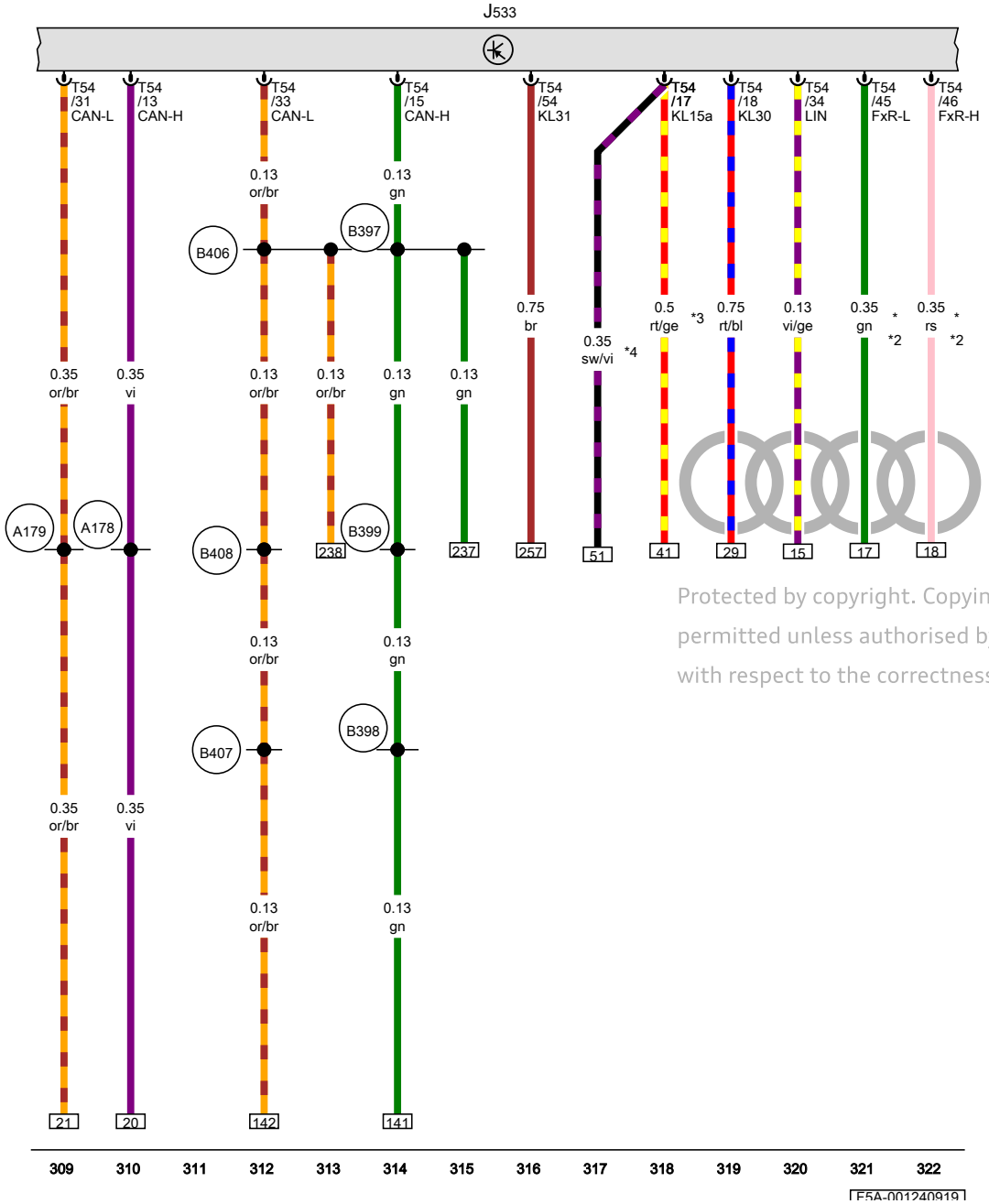

Data bus diagnostic interface

J533	Data bus diagnostic interface
T54	54-pin connector, black
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	Data bus wire (FlexRay bus)
*2	see applicable current flow diagram for data bus network
*3	Up to September 2019
*4	From October 2019

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Basic equipment, right-hand drive , (L0R)

From July 2016

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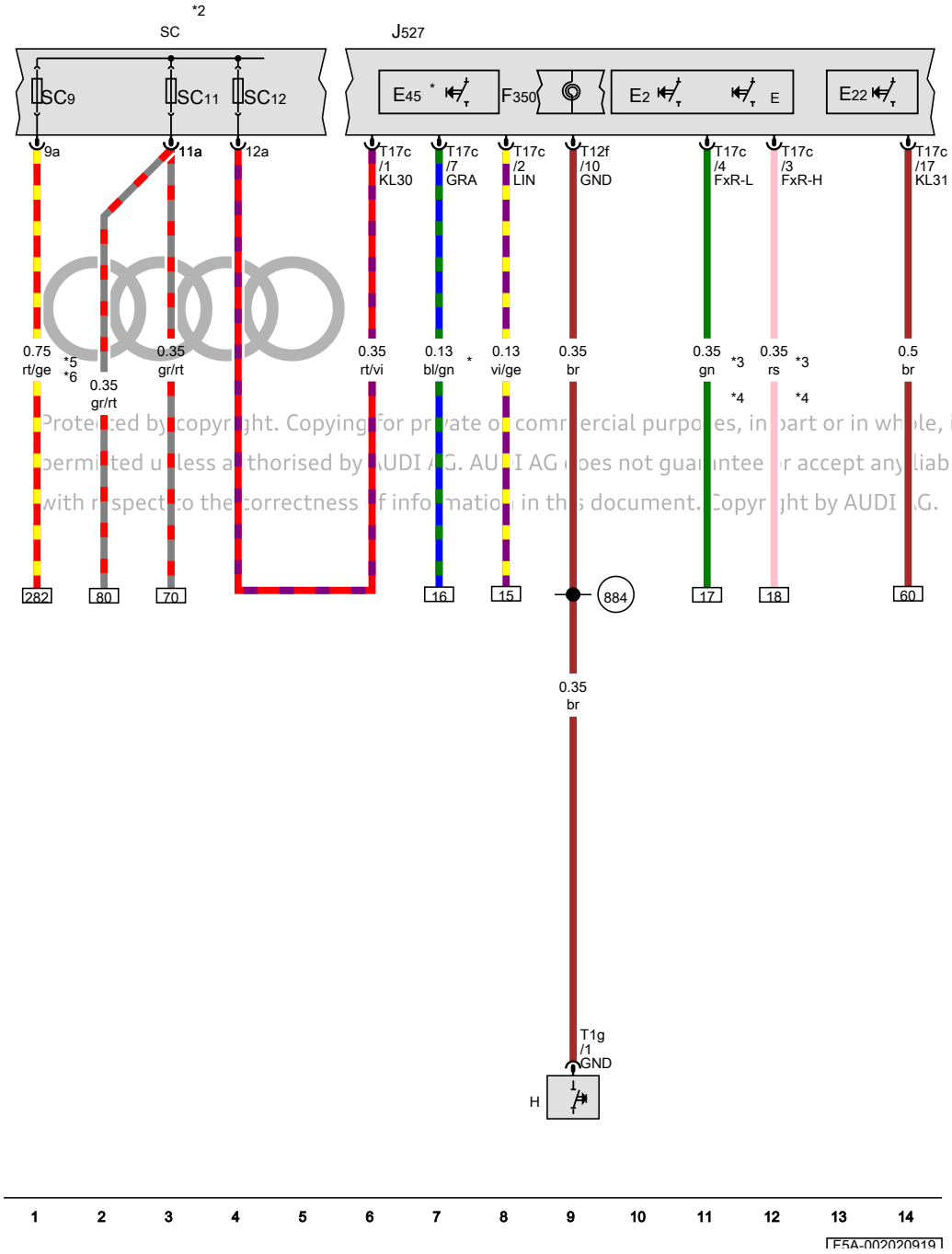

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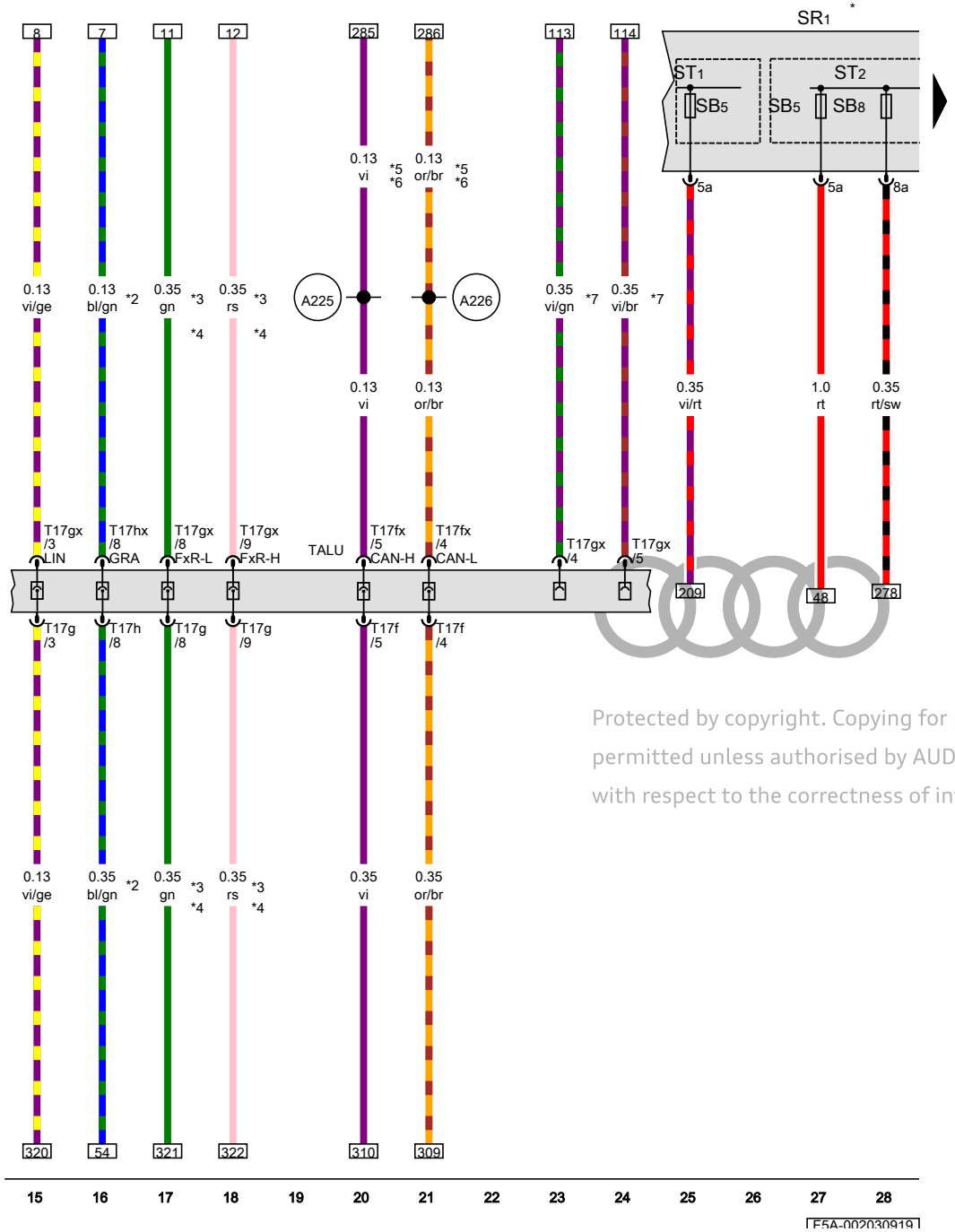
Windscreen wiper switch, Turn signal switch, Intermittent wiper switch, Cruise control system switch, Horn plate, Steering column electronics control unit, Fuse holder C

E	Windscreen wiper switch
E2	Turn signal switch
E22	Intermittent wiper switch
E45	Cruise control system switch
F350	Coil connector
H	Horn plate
J527	Steering column electronics control unit
SC	Fuse holder C
SC9	Fuse 9 on fuse holder C
SC11	Fuse 11 on fuse holder C
SC12	Fuse 12 on fuse holder C
T1g	1-pin connector, black
T12f	12-pin connector, black
T17c	17-pin connector, yellow
884	Earth connection 1 in steering wheel wiring harness
*	For models with cruise control system (CCS)
*2	see applicable current flow diagram for fuse assignment
*3	Data bus wire (FlexRay bus)
*4	see applicable current flow diagram for data bus network
*5	Up to September 2019
*6	see applicable current flow diagram for dash panel insert



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Relay and fuse carrier 1, Coupling point on left A-pillar, bottom

SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
ST2	Fuse carrier 2, red
SB5	Fuse 5 on fuse holder B
SB8	Fuse 8 on fuse holder B
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T17h	17-pin connector, white
T17hx	17-pin connector, white
TALU	Coupling point on left A-pillar, bottom
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with cruise control system (CCS)
*3	Data bus wire (FlexRay bus)
*4	see applicable current flow diagram for data bus network
*5	Up to September 2019
*6	see applicable current flow diagram for dash panel insert
*7	Country specific

ws	=	white
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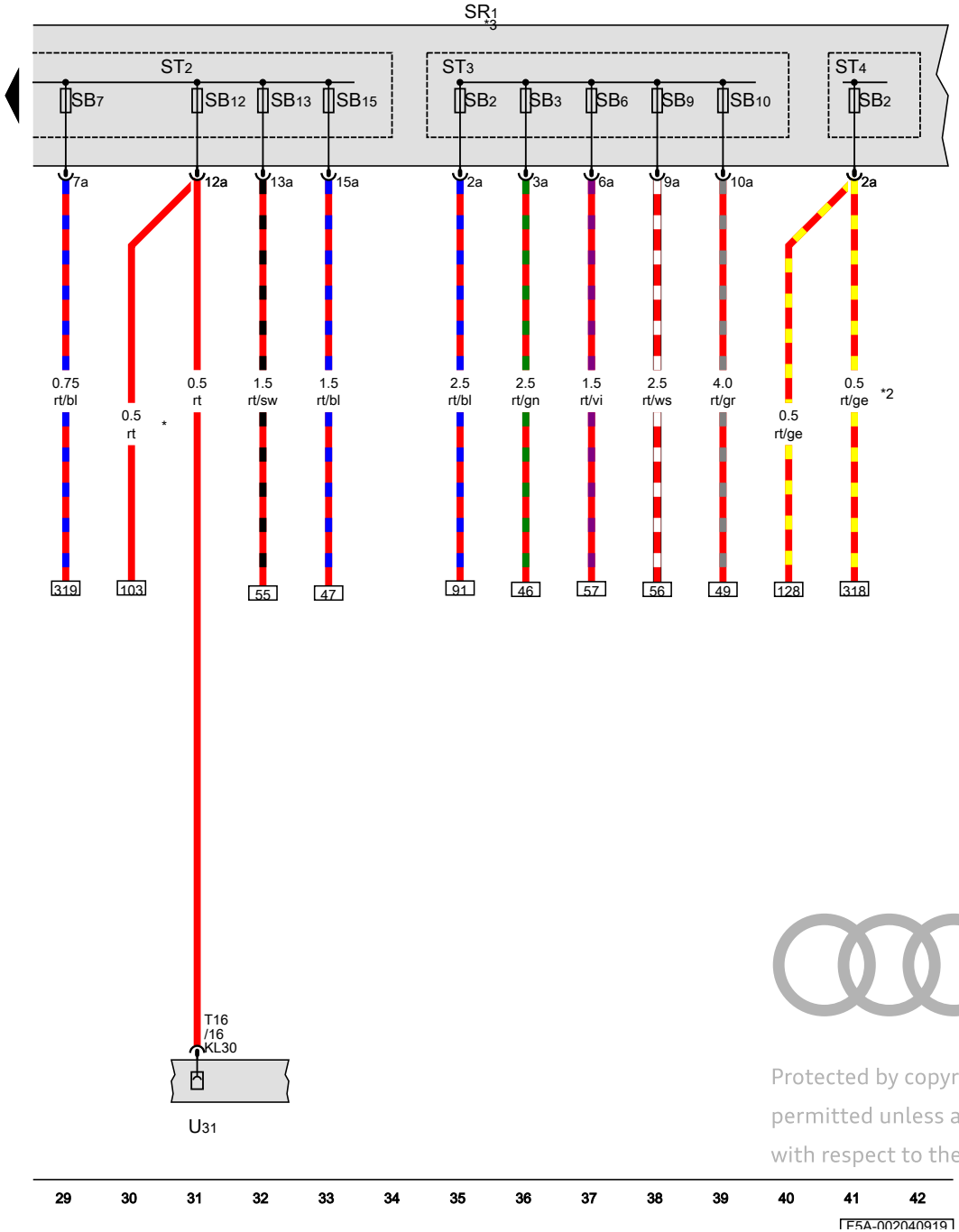

Relay and fuse carrier 1, Diagnostic connection

SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
ST3	Fuse carrier 3, black
SB3	Fuse 3 on fuse holder B
ST4	Fuse carrier 4, black
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T16	16-pin connector, black
U31	Diagnostic connection
*	For models with no main beam assist
*2	Up to September 2019
*3	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
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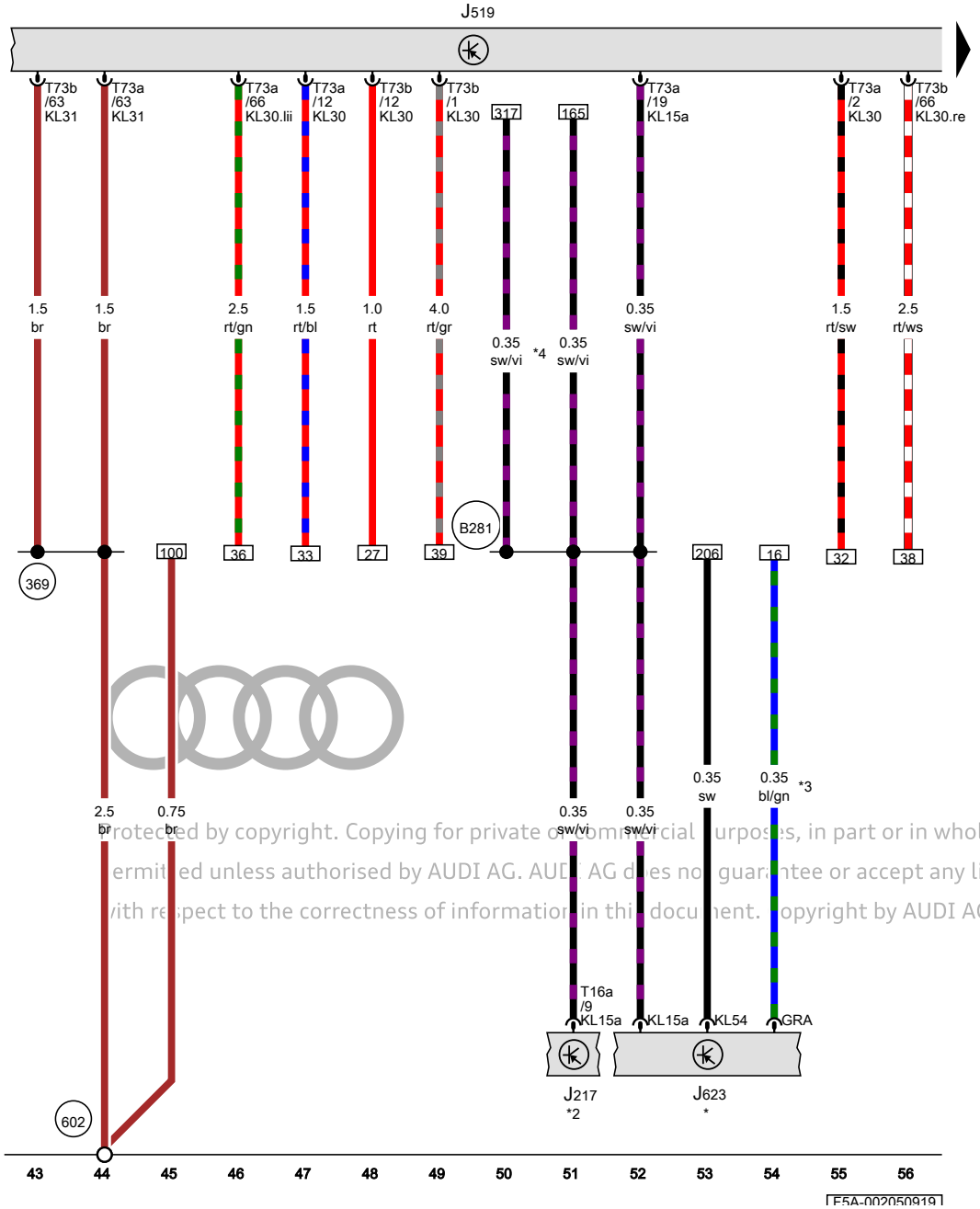

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Automatic gearbox control unit, Onboard supply control unit, Engine/motor control unit

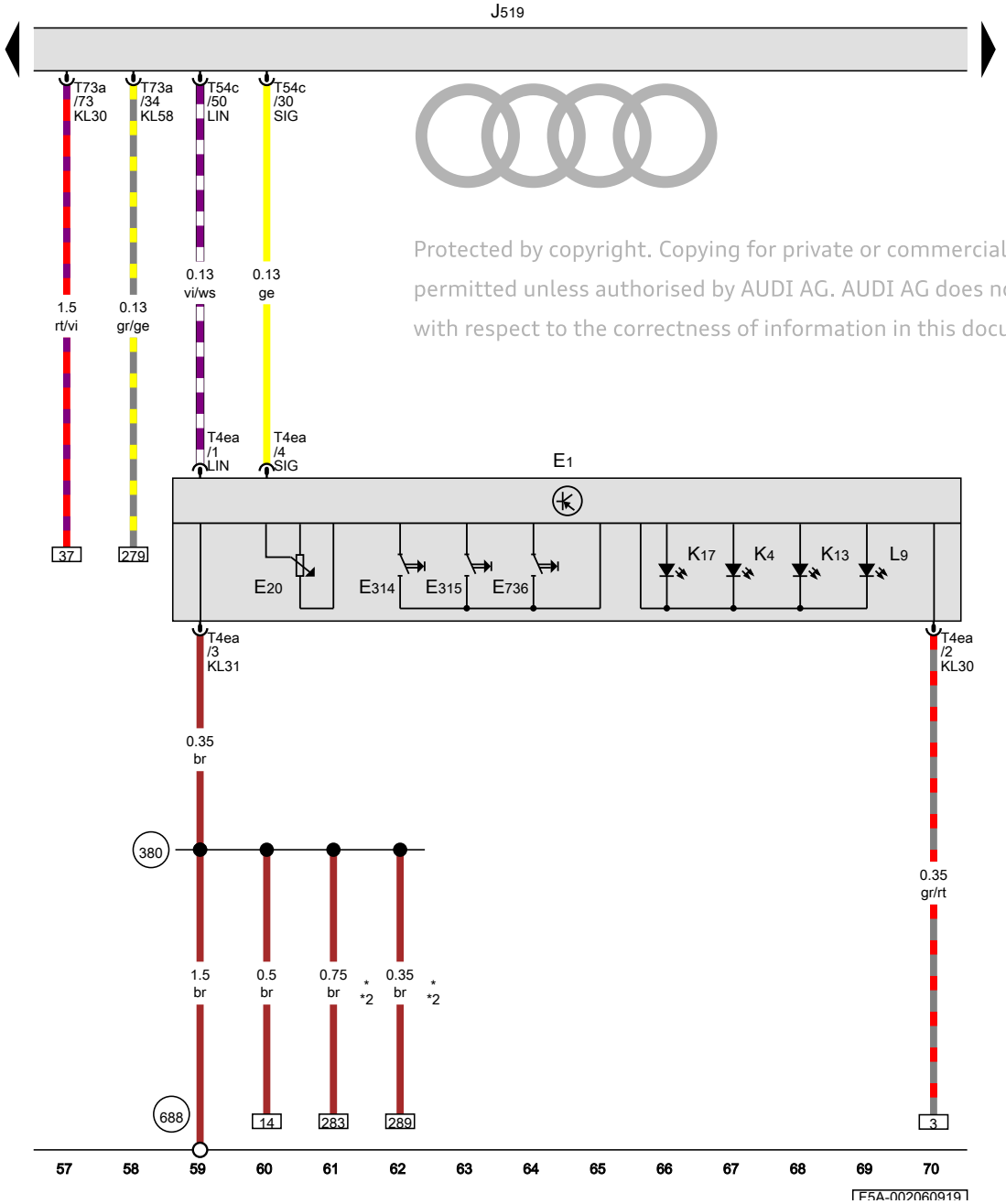
J217 Automatic gearbox control unit
J519 Onboard supply control unit
J623 Engine/motor control unit
T16a 16-pin connector, black
T73a 73-pin connector, black
T73b 73-pin connector, black

369 Earth connection 4, in main wiring harness

602 Earth point, in front left footwell

B281 Positive connection 5 (15a) in main wiring harness

* see applicable current flow diagram for engine
*2 According to equipment
*3 For models with cruise control system (CCS)
*4 From October 2019



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Light switch, Onboard supply control unit

E1	Light switch
E20	Switch and instrument illumination regulator
E314	Rear fog light button
E315	Fog light button
E736	Switch for head-up display
J519	Onboard supply control unit
K4	Side light warning lamp
K13	Rear fog light warning lamp
K17	Fog light warning lamp
L9	Light switch illumination bulb
T4ea	4-pin connector, black
T54c	54-pin connector, black
T73a	73-pin connector, black
380	Earth connection 15, in main wiring harness
688	Earth point 2, on centre tunnel
*	Up to September 2019
*2	see applicable current flow diagram for dash panel insert

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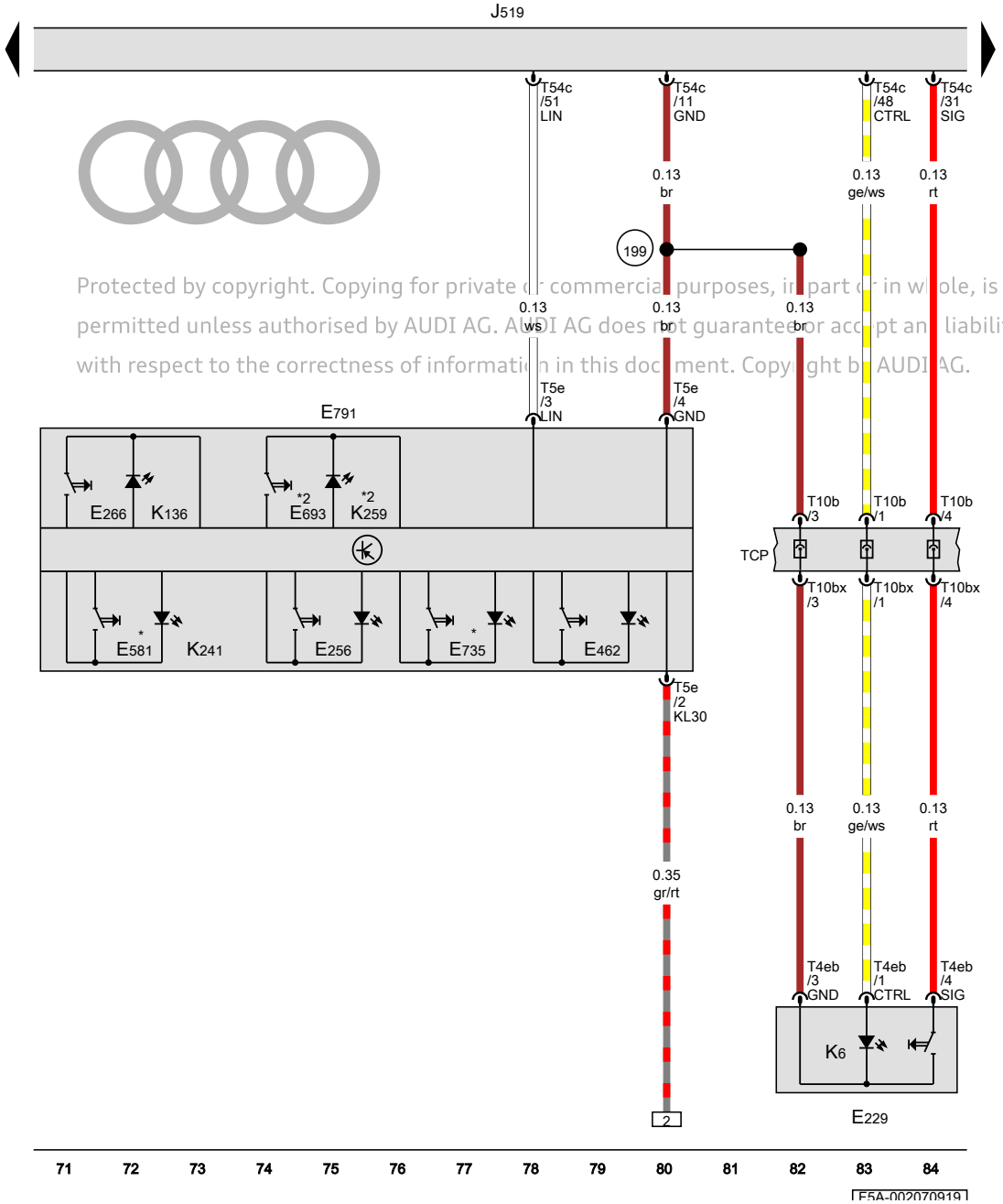

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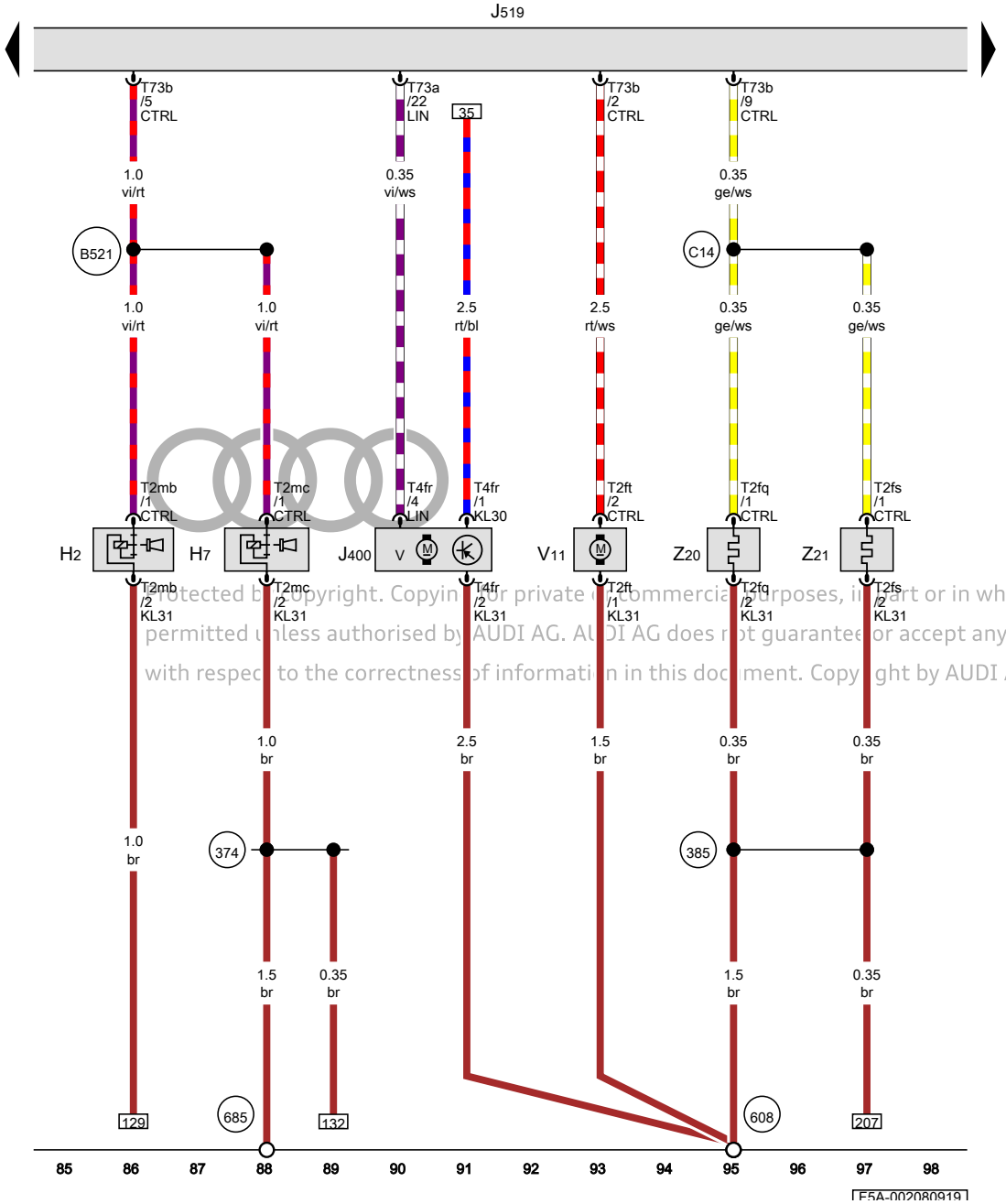
Hazard warning lights button, Operating unit 1 for driver and convenience functions, Onboard supply control unit

E229	Hazard warning lights button
E256	Button for TCS and electronic stabilisation program
E266	Parking aid button
E462	Open and close button for front display
E581	Park assist steering button
E693	Start/Stop operation button
E735	Driving mode selection button
E791	Operating unit 1 for driver and convenience functions
J519	Onboard supply control unit
K6	Indicator lamp for hazard warning light
K136	Parking aid warning lamp
K241	Warning light for park assist steering
K259	Start/Stop operation warning lamp
T4eb	4-pin connector, black
T5e	5-pin connector, brown
T10b	10-pin connector, black
T10bx	10-pin connector, black
T54c	54-pin connector, black
TCP	Coupling point on dash panel
199	Earth connection 3, in dash panel wiring harness
*	According to equipment
*2	For models with start/stop system



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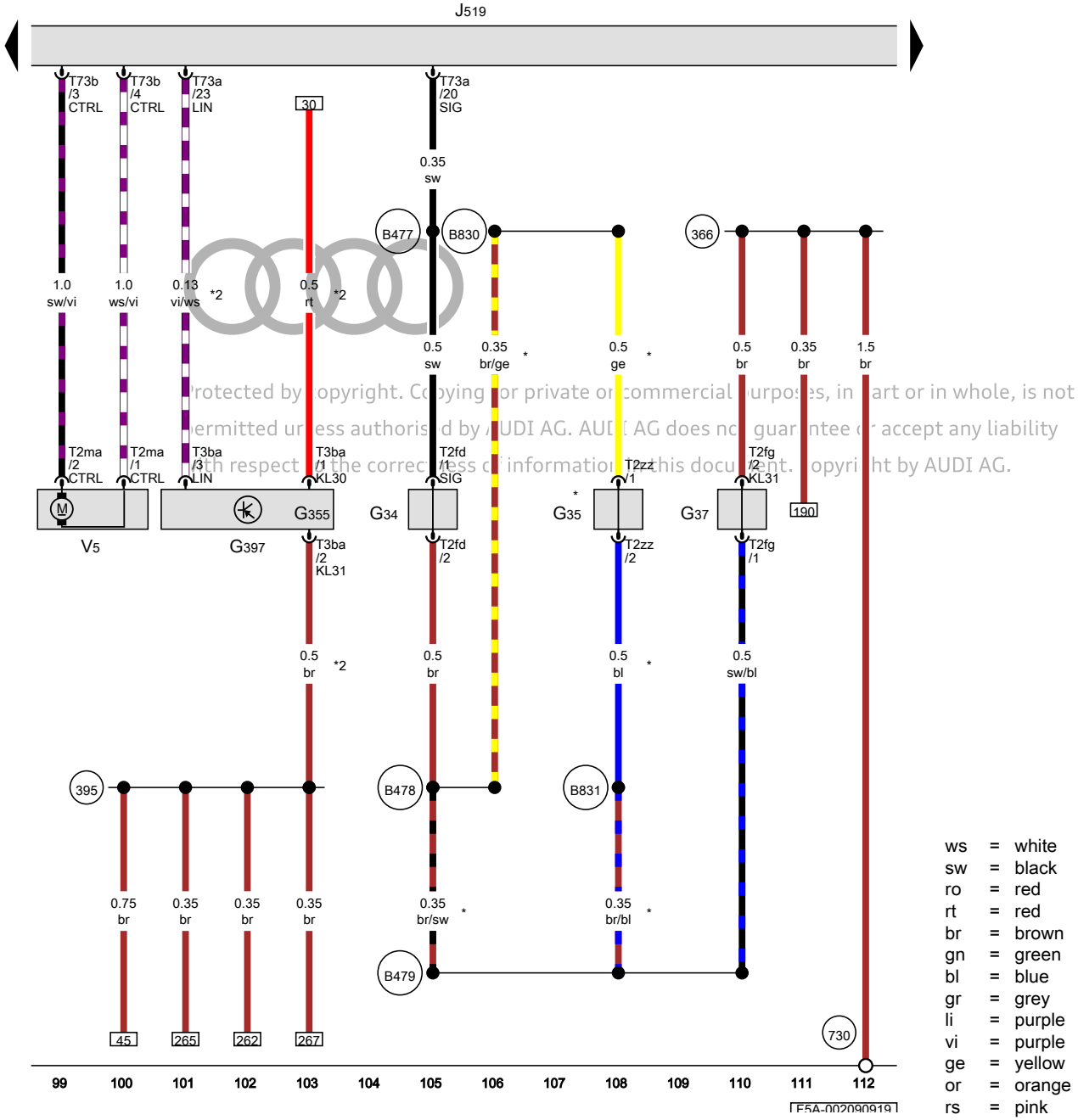
Treble horn, Bass horn, Wiper motor control unit, Onboard supply control unit, Windscreen wiper motor, Headlight washer system pump, Left washer jet heater element, Right washer jet heater element

H2	Treble horn
H7	Bass horn
J400	Wiper motor control unit
J519	Onboard supply control unit
T2fq	2-pin connector, black
T2fs	2-pin connector, black
T2ft	2-pin connector, black
T2mb	2-pin connector, black
T2mc	2-pin connector, black
T4fr	4-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V	Windscreen wiper motor
V11	Headlight washer system pump
Z20	Left washer jet heater element
Z21	Right washer jet heater element
374	Earth connection 9, in main wiring harness
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
685	Earth point 1, on front of right longitudinal member
B521	Connection (dual tone horn), in main wiring harness
C14	Positive connection (15), in heated washer jet wiring harness



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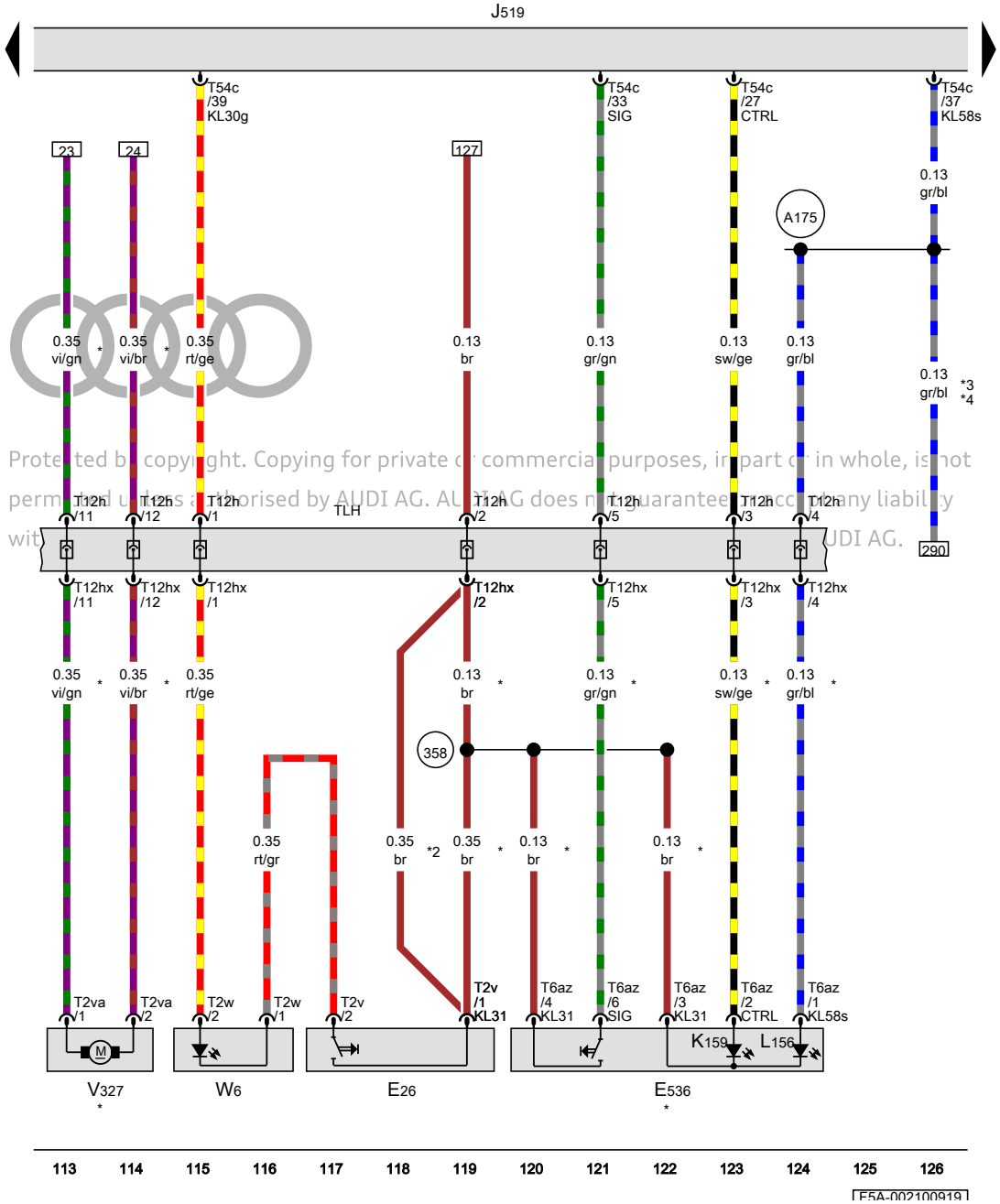
Front left brake pad wear sender, Front right brake pad wear sender, Rear right brake pad wear sender, Rain and light sensor, Onboard supply control unit, Washer pump

G34	Front left brake pad wear sender
G35	Front right brake pad wear sender
G37	Rear right brake pad wear sender
G355	Humidity sender
G397	Rain and light sensor
J519	Onboard supply control unit
T2fd	2-pin connector, black
T2fg	2-pin connector, black
T2ma	2-pin connector, black
T2zz	2-pin connector, black
T3ba	3-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V5	Washer pump
366	Earth connection 1, in main wiring harness
395	Earth connection 30, in main wiring harness
730	Earth point 1, on right rear wheel housing
B477	Connection 13, in main wiring harness
B478	Connection 14, in main wiring harness
B479	Connection 15, in main wiring harness
B830	Connection 5 (brake pad wear indicator), in main wiring harness
B831	Connection 6 (brake pad wear indicator), in main wiring harness
*	According to equipment
*2	For models with no main beam assist



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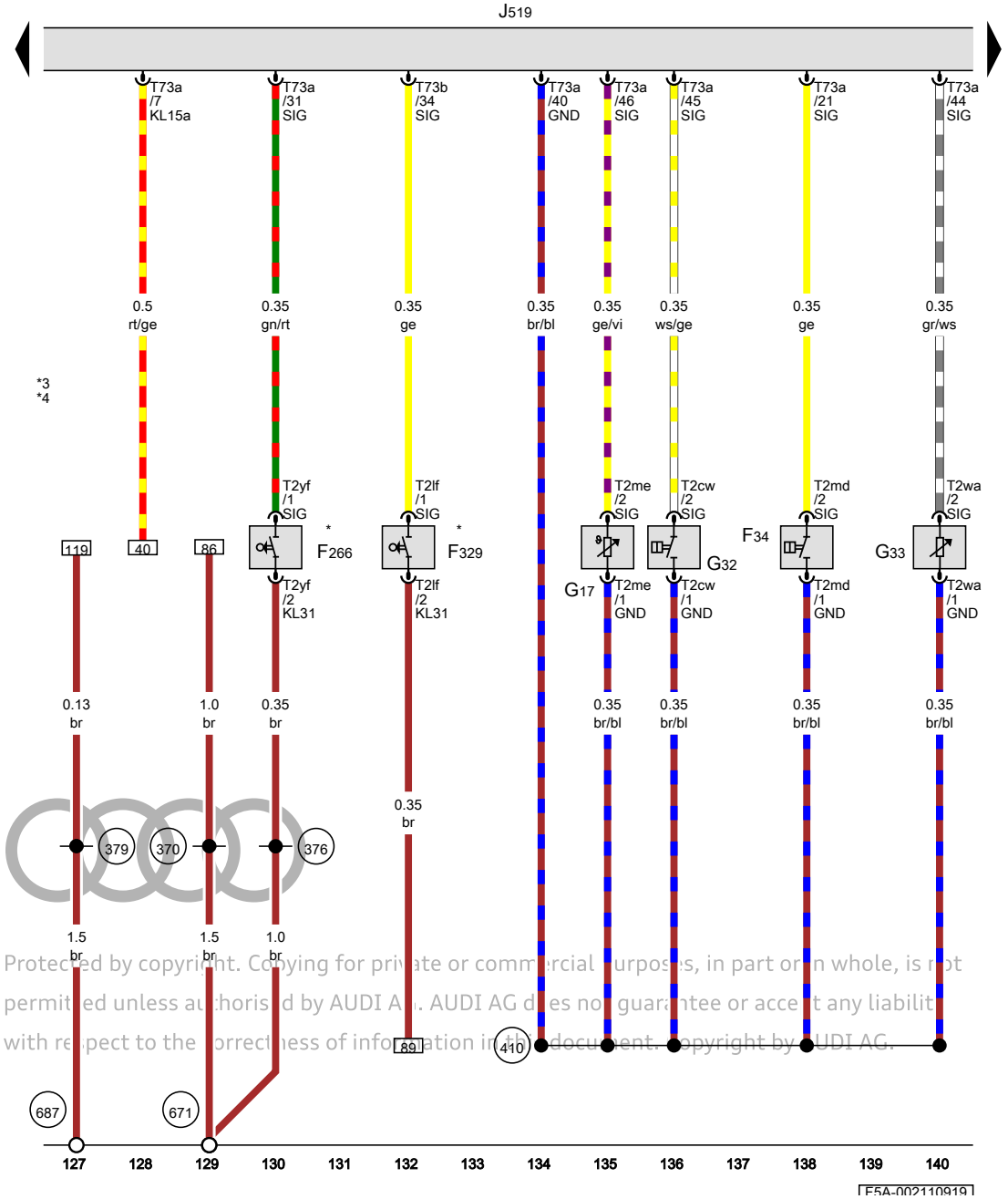
Glove compartment light switch, Onboard supply control unit, Valet parking warning lamp, Switch illumination bulb, Glove compartment release motor, Glove compartment light

E26	Glove compartment light switch
E536	Valet parking button
J519	Onboard supply control unit
K159	Valet parking warning lamp
L156	Switch illumination bulb
T2v	2-pin connector, black
T2va	2-pin connector, black
T2w	2-pin connector, black
T6az	6-pin connector, red
T12h	12-pin connector, black
T12hx	12-pin connector, black
T54c	54-pin connector, black
TLH	Coupling point for glove compartment wiring harness
V327	Glove compartment release motor
W6	Glove compartment light
358	Earth connection, in glove compartment wiring harness
A175	Connection (58s), in dash panel wiring harness
*	Country specific
*2	According to equipment
*3	Up to September 2019
*4	see applicable current flow diagram for dash panel insert



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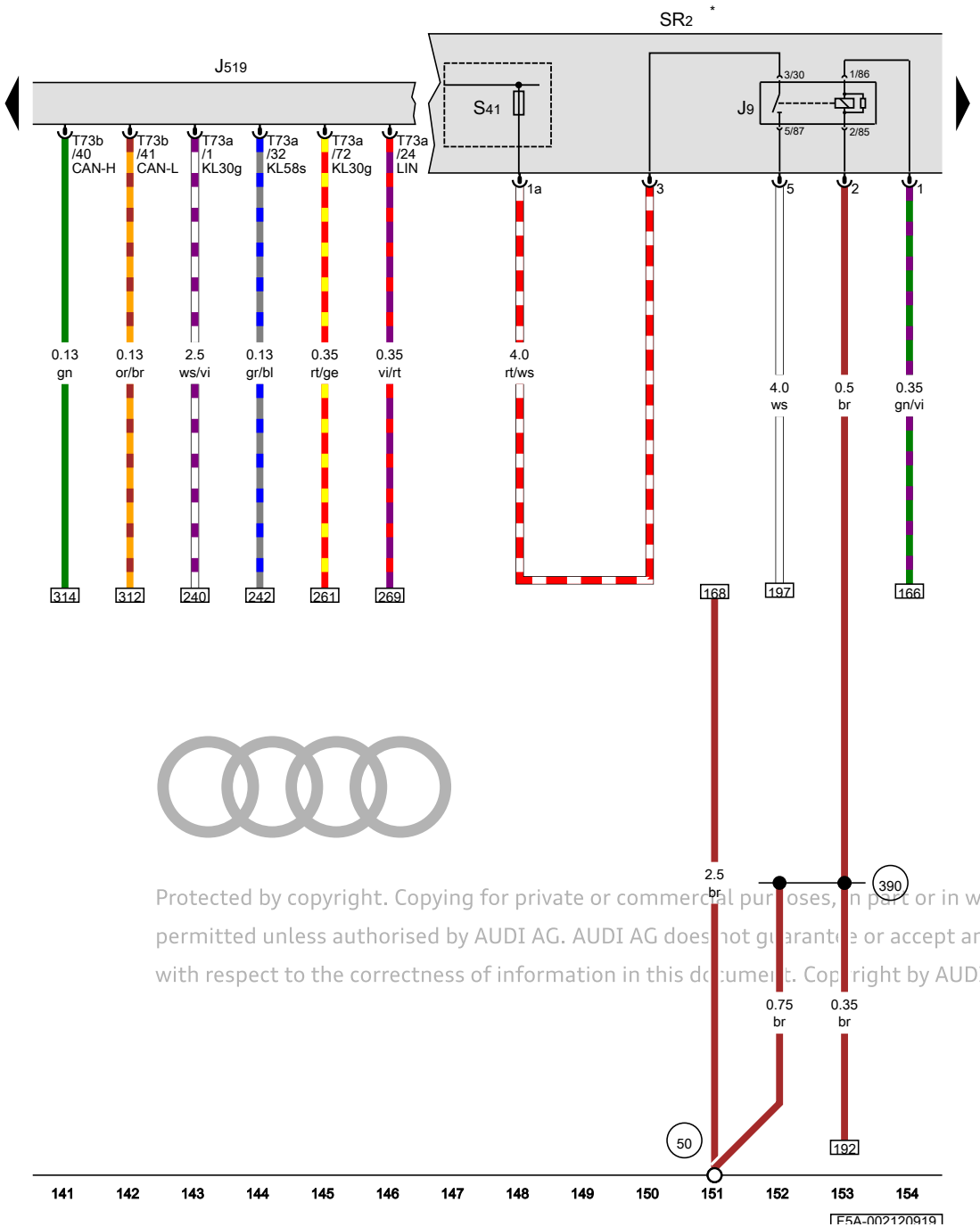
Brake fluid level warning contact, Bonnet contact switch, Bonnet contact switch 2, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Onboard supply control unit

F34	Brake fluid level warning contact
F266	Bonnet contact switch
F329	Bonnet contact switch 2
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J519	Onboard supply control unit
T2cw	2-pin connector, black
T2lf	2-pin connector, black
T2md	2-pin connector, black
T2me	2-pin connector, black
T2wa	2-pin connector, black
T2yf	2-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
370	Earth connection 5, in main wiring harness
376	Earth connection 11, in main wiring harness
379	Earth connection 14, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
671	Earth point 1, on front of left longitudinal member
687	Earth point 1, on centre tunnel
*	Pre-wired component



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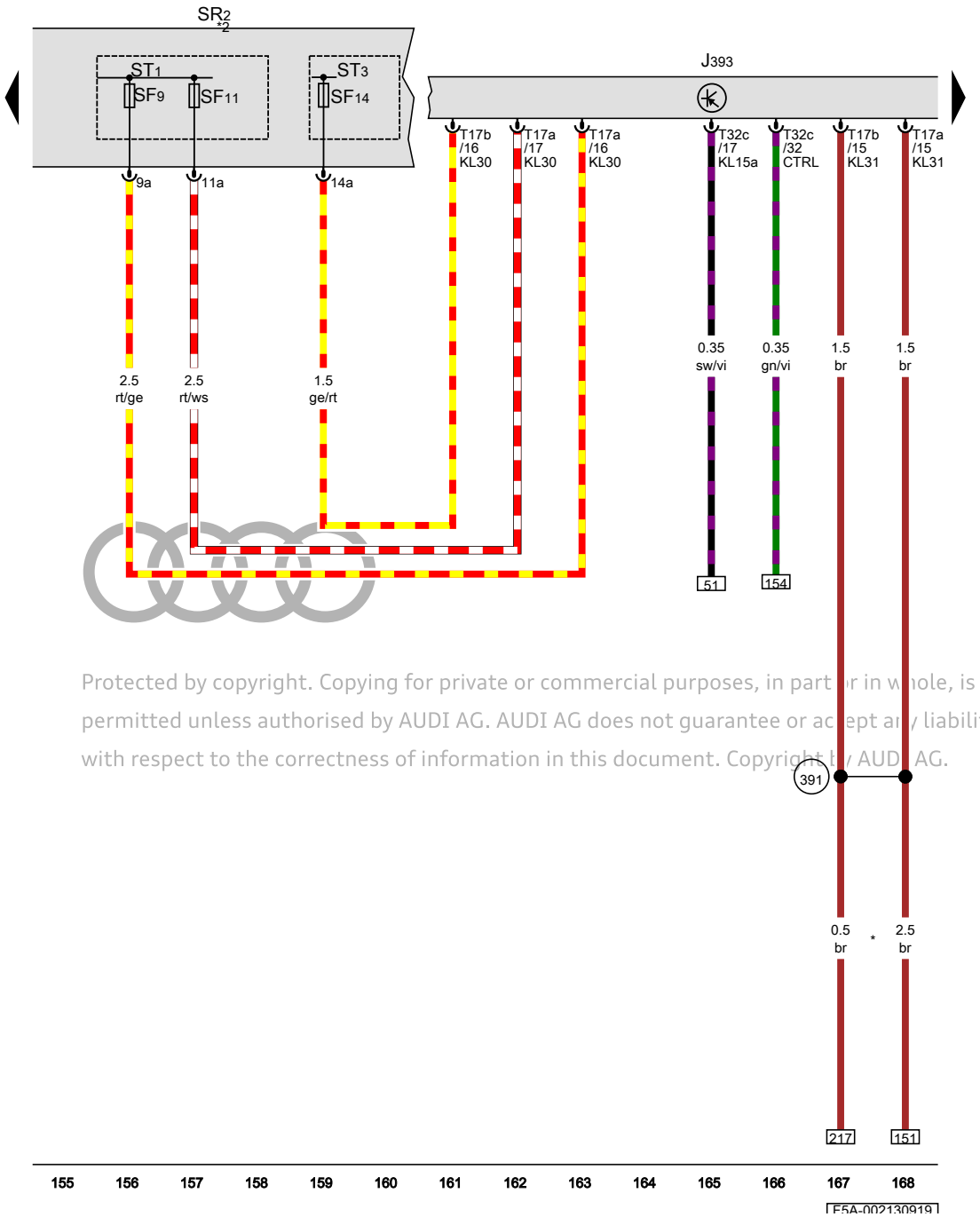
Heated rear window relay, Onboard supply control unit, Relay and fuse carrier 2

J9	Heated rear window relay, black
J519	Onboard supply control unit
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
S41	Heated rear window single fuse
T73a	73-pin connector, black
T73b	73-pin connector, black
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
*	see applicable current flow diagram for fuse assignment



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Convenience system central control unit, Relay and fuse carrier 2

J393	Convenience system central control unit
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
ST3	Fuse carrier 3
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
391	Earth connection 26, in main wiring harness
*	Up to September 2019
*2	see applicable current flow diagram for fuse assignment

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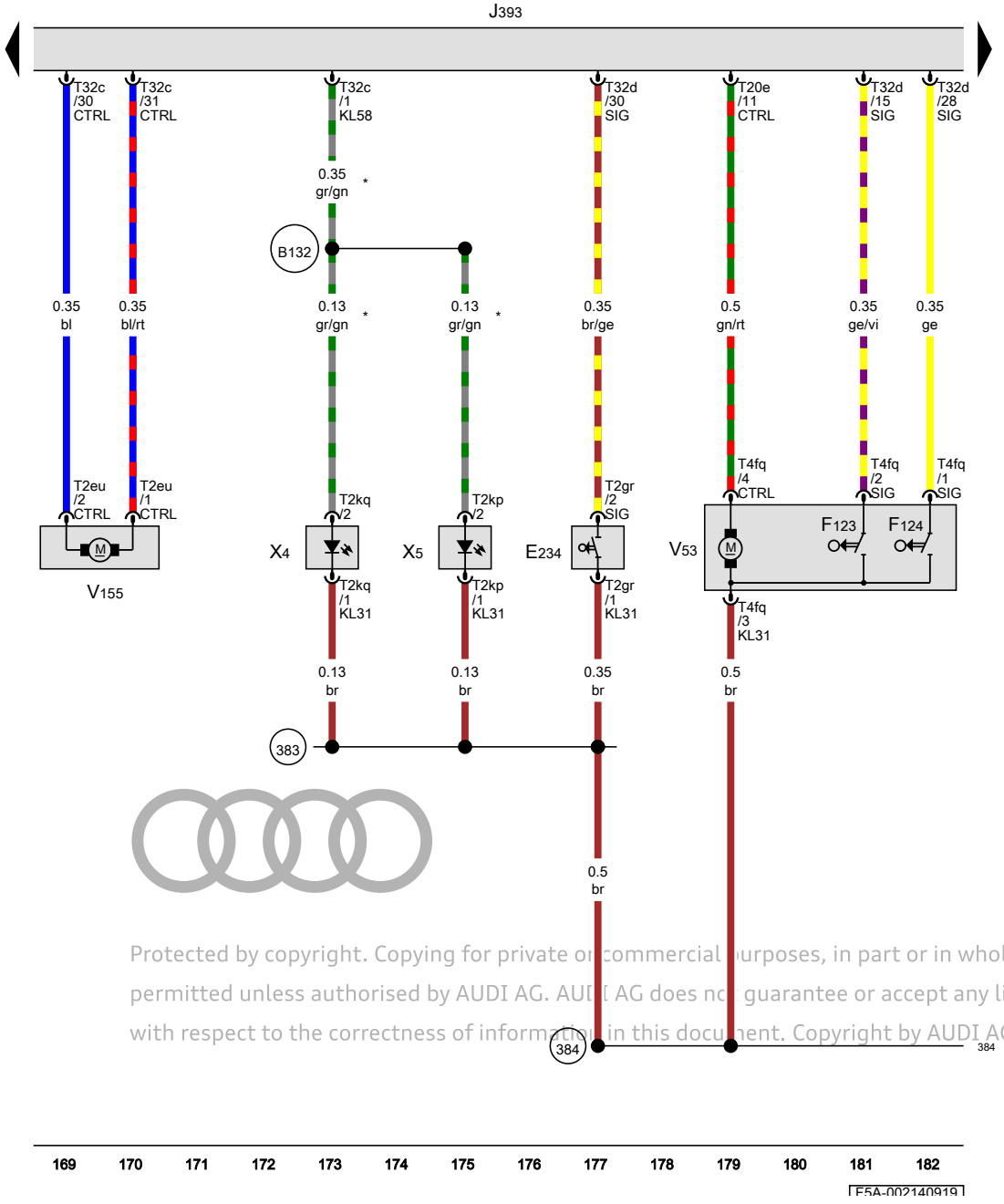

Rear lid handle release button, Rear lid contact switch for anti-theft alarm, Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system, Convenience system central control unit, Rear lid central locking motor, Tank filler flap locking motor, Left number plate light, Right number plate light

E234	Rear lid handle release button
F123	Rear lid contact switch for anti-theft alarm
F124	Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
J393	Convenience system central control unit
T2eu	2-pin connector, black
T2gr	2-pin connector, black
T2kp	2-pin connector, black
T2kq	2-pin connector, black
T4fq	4-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, colourless
T32d	32-pin connector, blue
V53	Rear lid central locking motor
V155	Tank filler flap locking motor
X4	Left number plate light
X5	Right number plate light
383	Earth connection 18, in main wiring harness
384	Earth connection 19, in main wiring harness
B132	Connection (number plate lights), in interior wiring harness
*	Different wire colour possible

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ro	=	red
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br	=	brown
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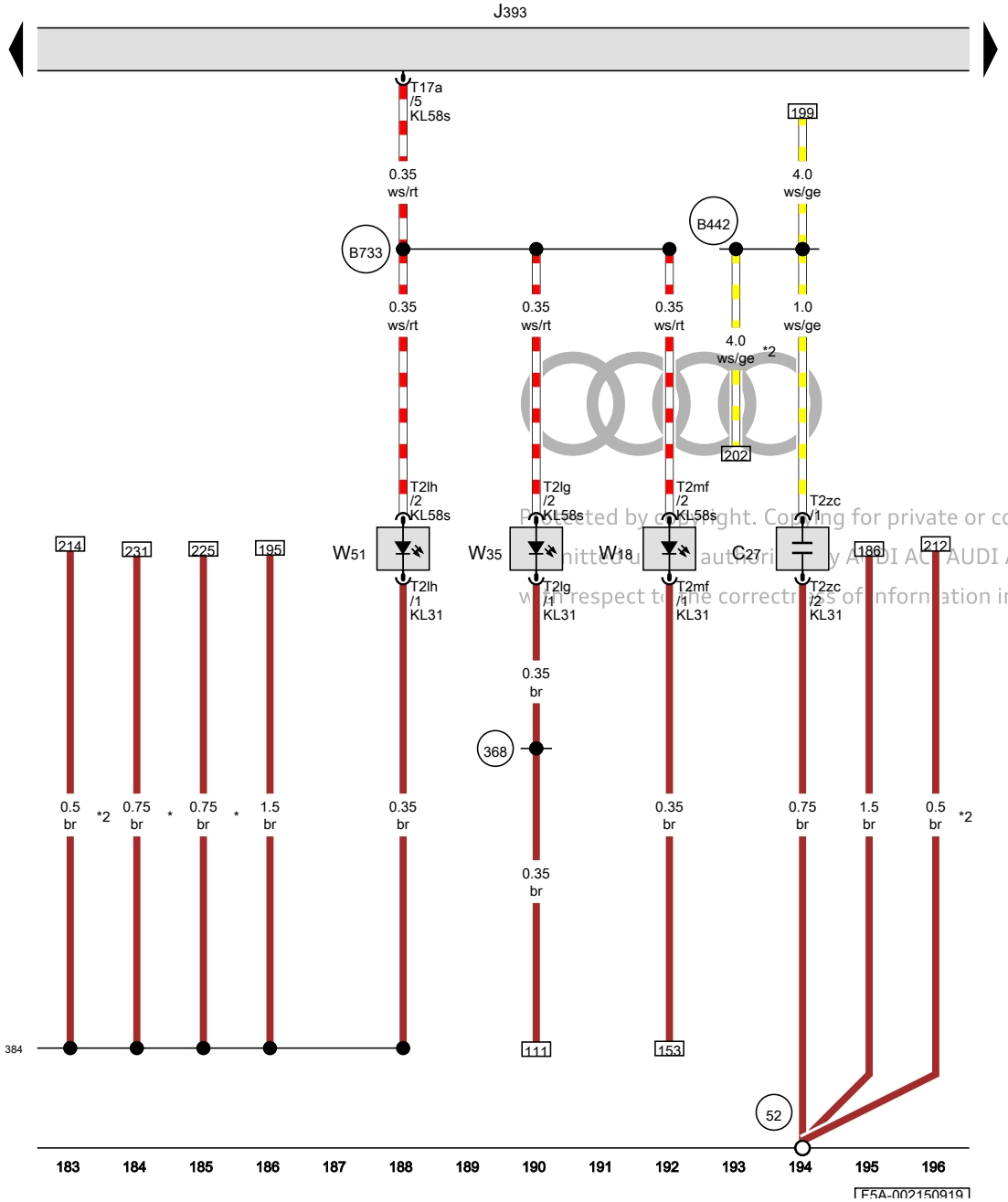

Suppression filter for heated rear window, Convenience system central control unit, Left luggage compartment light, Right luggage compartment light, Rear lid light

C27	Suppression filter for heated rear window
J393	Convenience system central control unit
T2lg	2-pin connector, black
T2lh	2-pin connector, black
T2mf	2-pin connector, black
T2zc	2-pin connector, black
T17a	17-pin connector, brown
W18	Left luggage compartment light
W35	Right luggage compartment light
W51	Rear lid light
52	Earth point, on left in rear lid
368	Earth connection 3, in main wiring harness
384	Earth connection 19, in main wiring harness
B442	Connection 1 (rear window), in main wiring harness
B733	Connection 3 (58s), in main wiring harness
*	Up to September 2019
*2	gradual introduction

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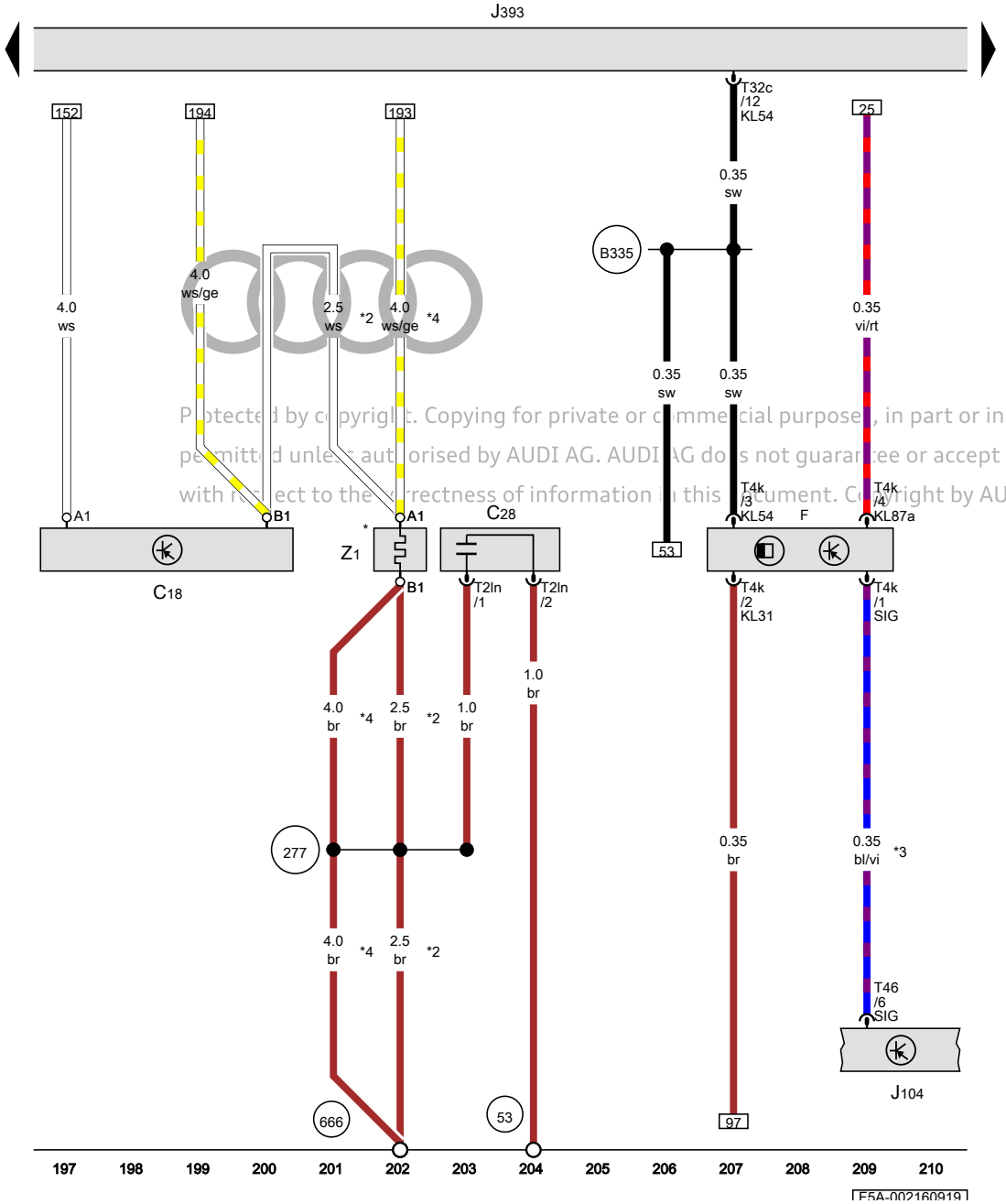

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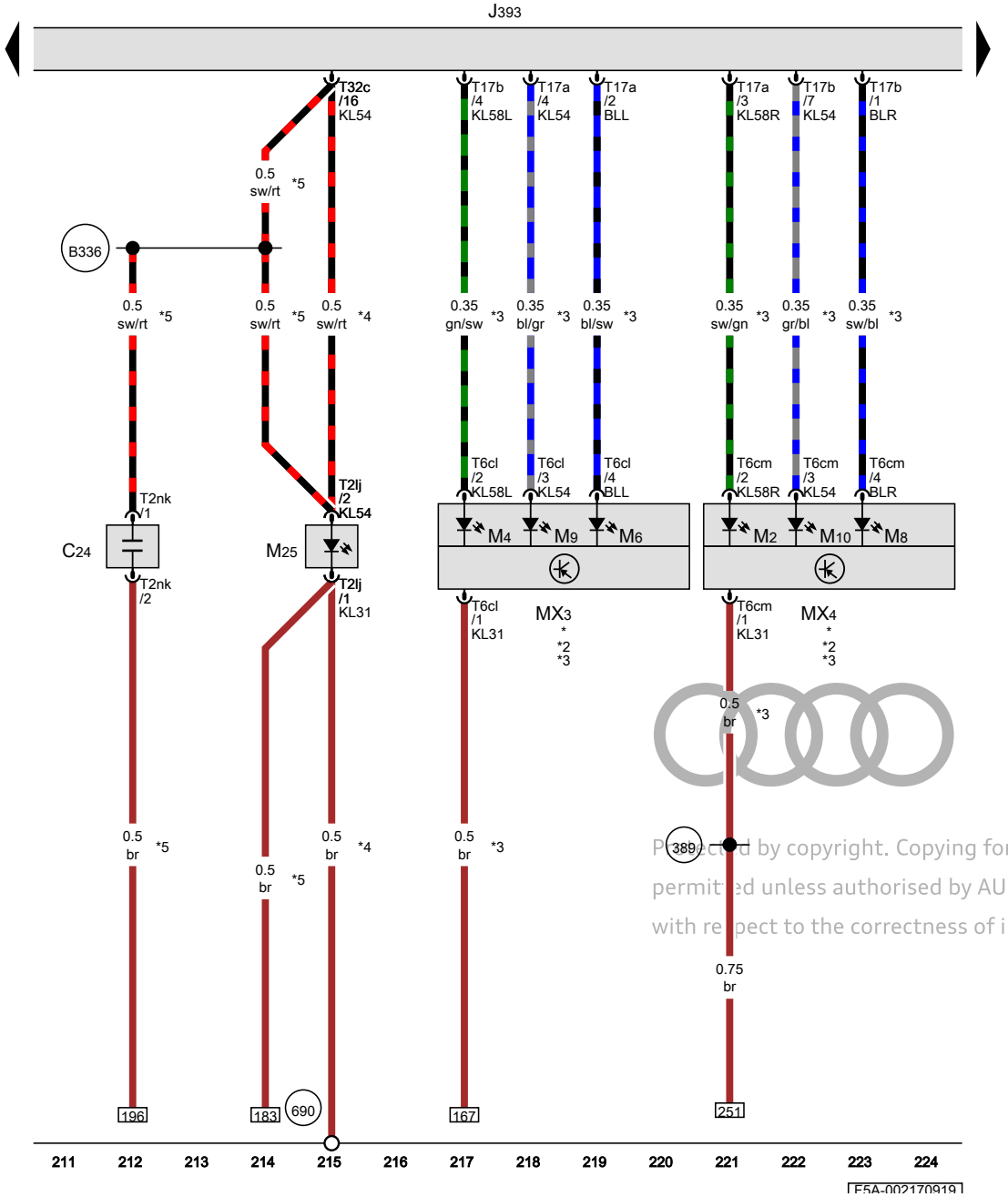
Window aerial suppression filter, Brake light switch, Convenience system central control unit, Heated rear window

C18	Window aerial suppression filter
C28	Suppression filter 2 for heated rear window
F	Brake light switch
J104	ABS control unit
J393	Convenience system central control unit
T2ln	2-pin connector, black
T4k	4-pin connector, black
T32c	32-pin connector, colourless
T46	46-pin connector, black
Z1	Heated rear window
53	Earth point, on right in rear lid
277	Earth connection 3, in interior wiring harness
666	Earth point, on rear right of roof
B335	Connection 1 (54), in main wiring harness
*	Pre-wired component
*2	Gradually discontinued
*3	For models with 48 V hybrid system
*4	gradual introduction



Suppression filter, Convenience system central control unit, Left tail light cluster, Right tail light cluster, High-level brake light bulb

C24	Suppression filter
J393	Convenience system central control unit
M2	Right tail light bulb
MX3	Left tail light cluster
M4	Left tail light bulb
MX4	Right tail light cluster
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M9	Left brake light bulb
M10	Right brake light bulb
M25	High-level brake light bulb
T2lj	2-pin connector, black
T2nk	2-pin connector, black
T6cl	6-pin connector, black
T6cm	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
389	Earth connection 24, in main wiring harness
690	Earth point, rear centre roof frame
B336	Connection 2 (54), in main wiring harness
*	According to equipment
*2	see applicable current flow diagram for tail light clusters
*3	Up to September 2019
*4	Gradually discontinued
*5	gradual introduction

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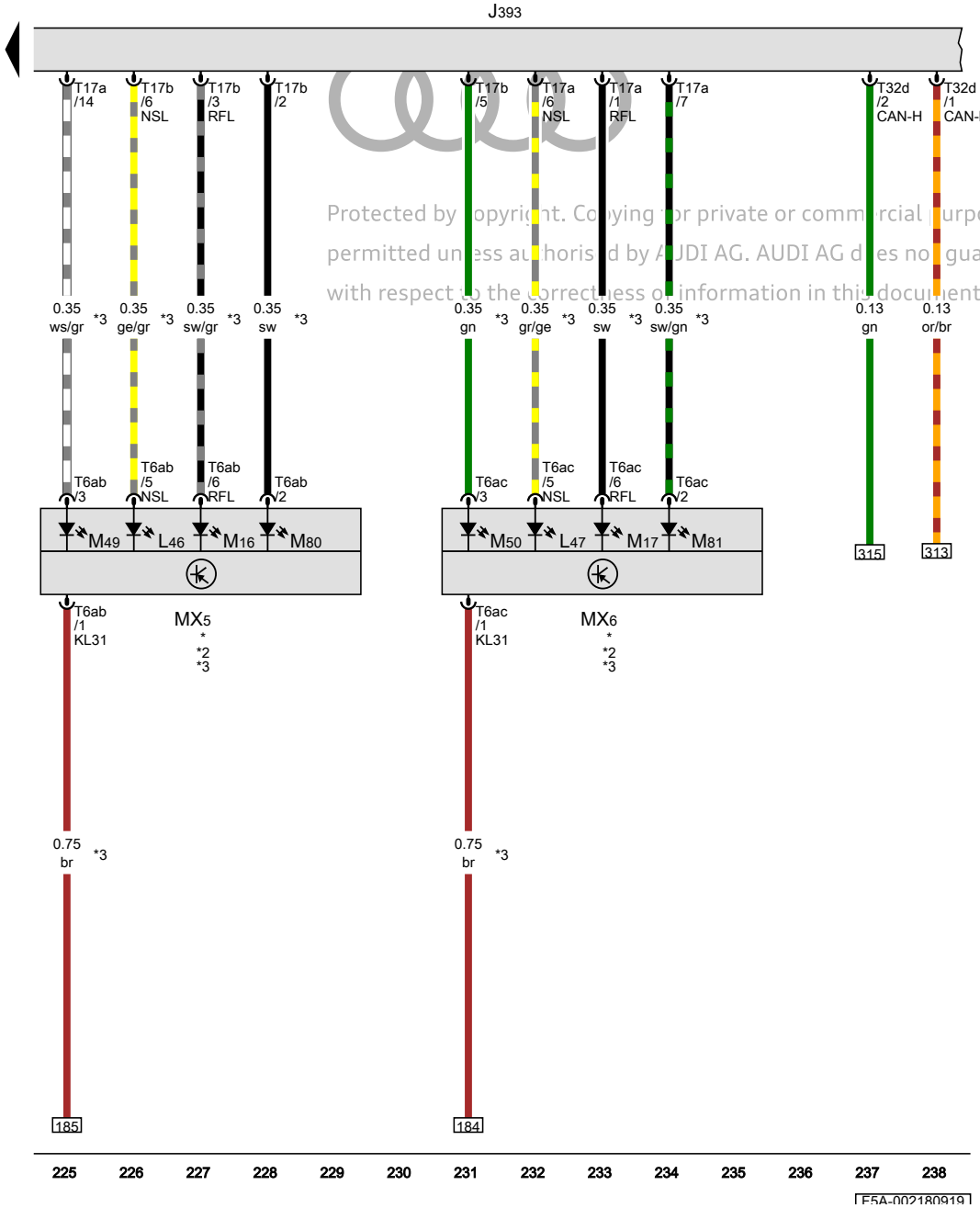

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Convenience system central control unit, Left tail light cluster 2, Right tail light cluster 2

J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
MX5	Left tail light cluster 2
MX6	Right tail light cluster 2
M16	Left reversing light bulb
M17	Right reversing light bulb
M49	Left tail light bulb 2
M50	Right tail light bulb 2
M80	Bulb 2 for rear left turn signal
M81	Bulb 2 for rear right turn signal
T6ab	6-pin connector, black
T6ac	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32d	32-pin connector, blue
*	According to equipment
*2	see applicable current flow diagram for tail light clusters
*3	Up to September 2019

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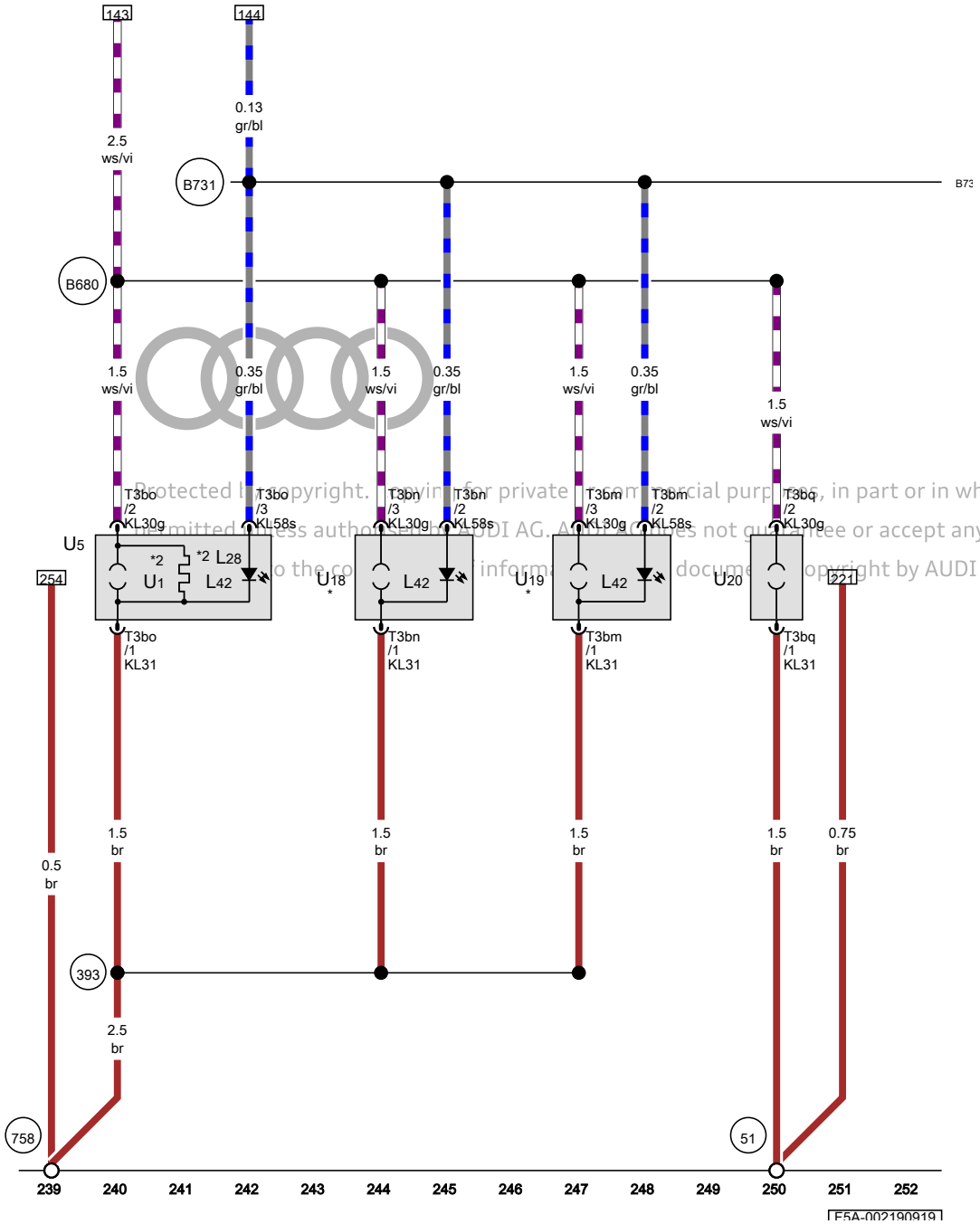

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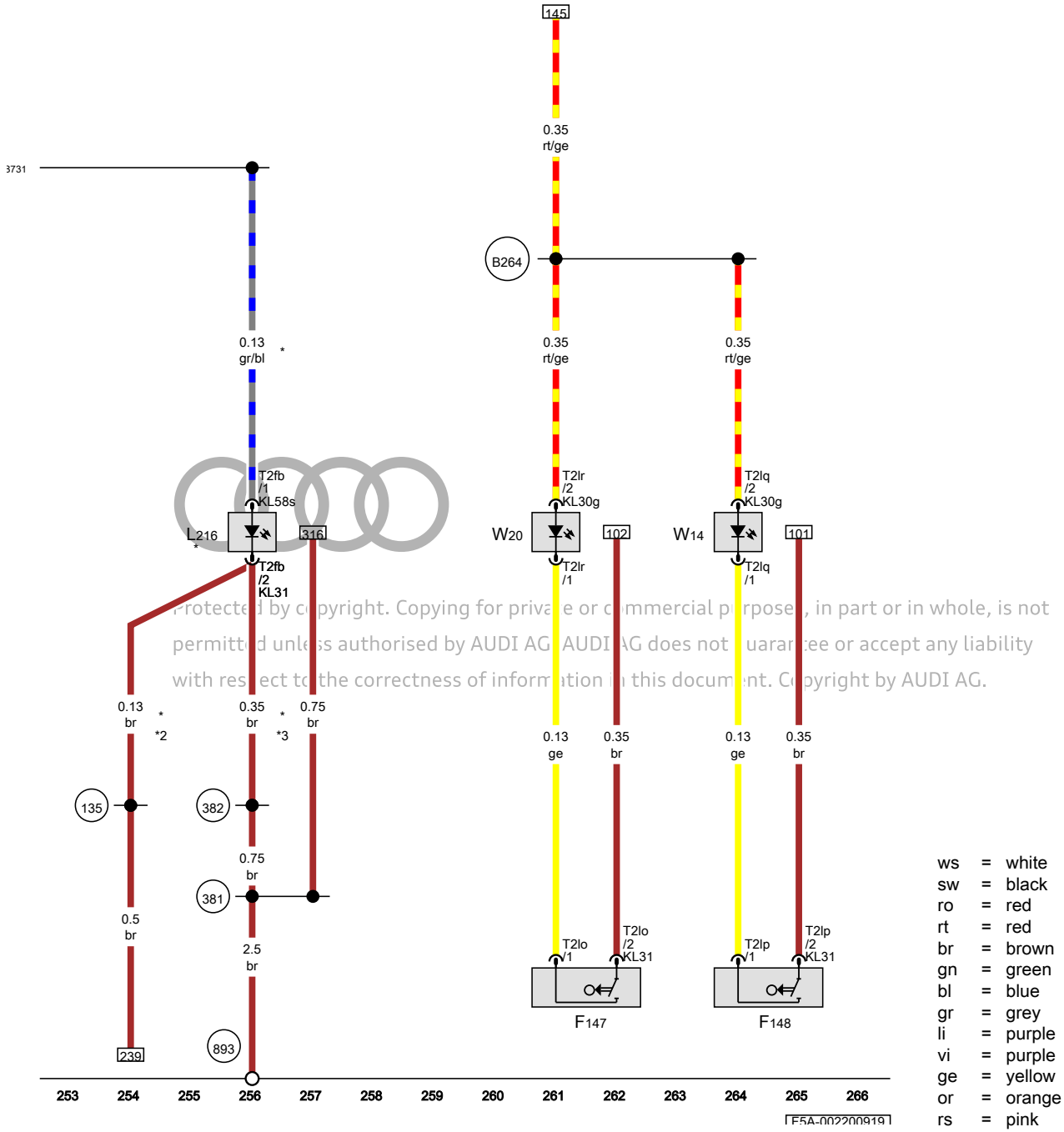
Cigarette lighter, 12 V socket, 12 V socket 2, 12 V socket 3, 12 V socket 4

L28	Cigarette lighter illumination bulb
L42	Socket illumination bulb
T3bm	3-pin connector, black
T3bn	3-pin connector, black
T3bo	3-pin connector, black
T3bq	3-pin connector, black
U1	Cigarette lighter
U5	12 V socket
U18	12 V socket 2, in rear centre console
U19	12 V socket 3, in rear centre console
U20	12 V socket 4
51	Earth point, on right in luggage compartment
393	Earth connection 28, in main wiring harness
758	Earth point 3, on centre tunnel
B680	Connection (electric socket), in interior wiring harness
B731	Connection 1 (58s), in main wiring harness
*	Pre-wired component
*2	For smoker version models



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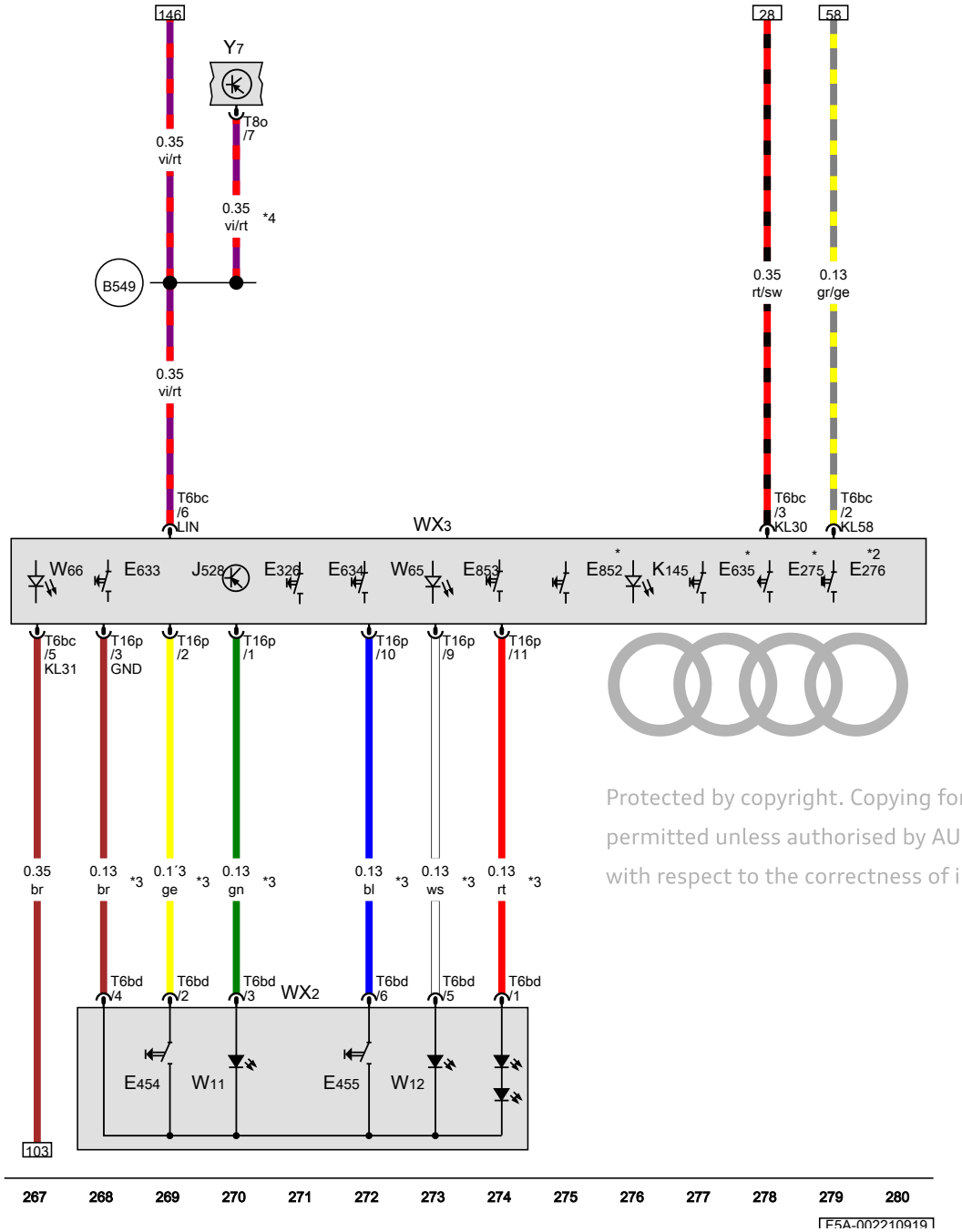
Driver vanity mirror contact switch, Front passenger vanity mirror contact switch, Rear vent illumination bulb, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror

F147	Driver vanity mirror contact switch
F148	Front passenger vanity mirror contact switch
L216	Rear vent illumination bulb, middle
T2fb	2-pin connector, black
T2lo	2-pin connector, black
T2lp	2-pin connector, black
T2lq	2-pin connector, black
T2lr	2-pin connector, black
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
135	Earth connection 2, in dash panel wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
B264	Connection 1, in roof wiring harness
B731	Connection 1 (58s), in main wiring harness
*	According to equipment
*2	Up to October 2017
*3	From November 2017



Front left reading light button, Front right reading light button, Warning lamp for airbag deactivated on front passenger side, Rear interior light, Front roof module, Front left reading light, Front right reading light

E275	Breakdown assistance call button
E276	Emergency assistance call button
E326	Front interior light button
E454	Rear left reading light button
E455	Rear right reading light button
E633	Front left reading light button
E634	Front right reading light button
E635	Front button for rear reading light
E852	Button for rear roof functions
E853	Button for automatic interior light functions
J528	Roof electronics control unit
K145	Warning lamp for airbag deactivated on front passenger side
T6bc	6-pin connector, black
T6bd	6-pin connector, black
T8o	8-pin connector, black
T16p	16-pin connector, brown
WX2	Rear interior light, middle
WX3	Front roof module
W11	Rear left reading light
W12	Rear right reading light
W65	Front left reading light
W66	Front right reading light
Y7	Automatic anti-dazzle interior mirror
B549	Connection 2 (LIN bus) in main wiring harness
*	For models with panoramic sliding sunroof
*2	According to equipment
*3	Adapter wire
*4	For models with no main beam assist

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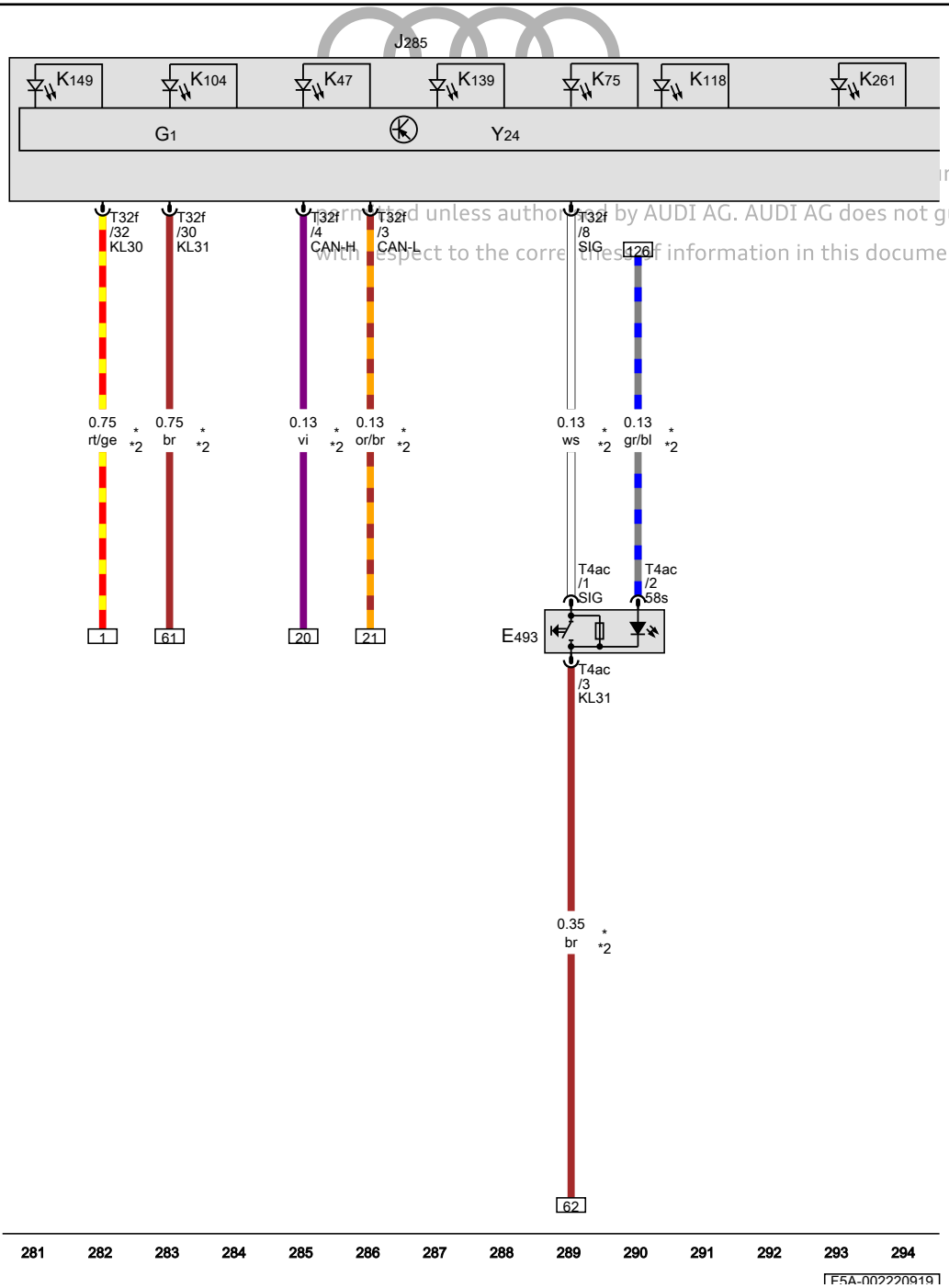

Dash panel insert operating button, Control unit in dash panel insert, Display in dash panel insert

E493	Dash panel insert operating button
G1	Fuel gauge
J285	Control unit in dash panel insert
K47	ABS warning lamp
K75	Airbag warning lamp
K104	Diesel electronics warning lamp
K118	Brake system warning lamp
K139	Handbrake warning lamp
K149	Engine electronics warning lamp
K261	Warning lamp for left turn signal
T4ac	4-pin connector, black
T32f	32-pin connector, grey
Y24	Display in dash panel insert
*	Up to September 2019
*2	see applicable current flow diagram for dash panel insert

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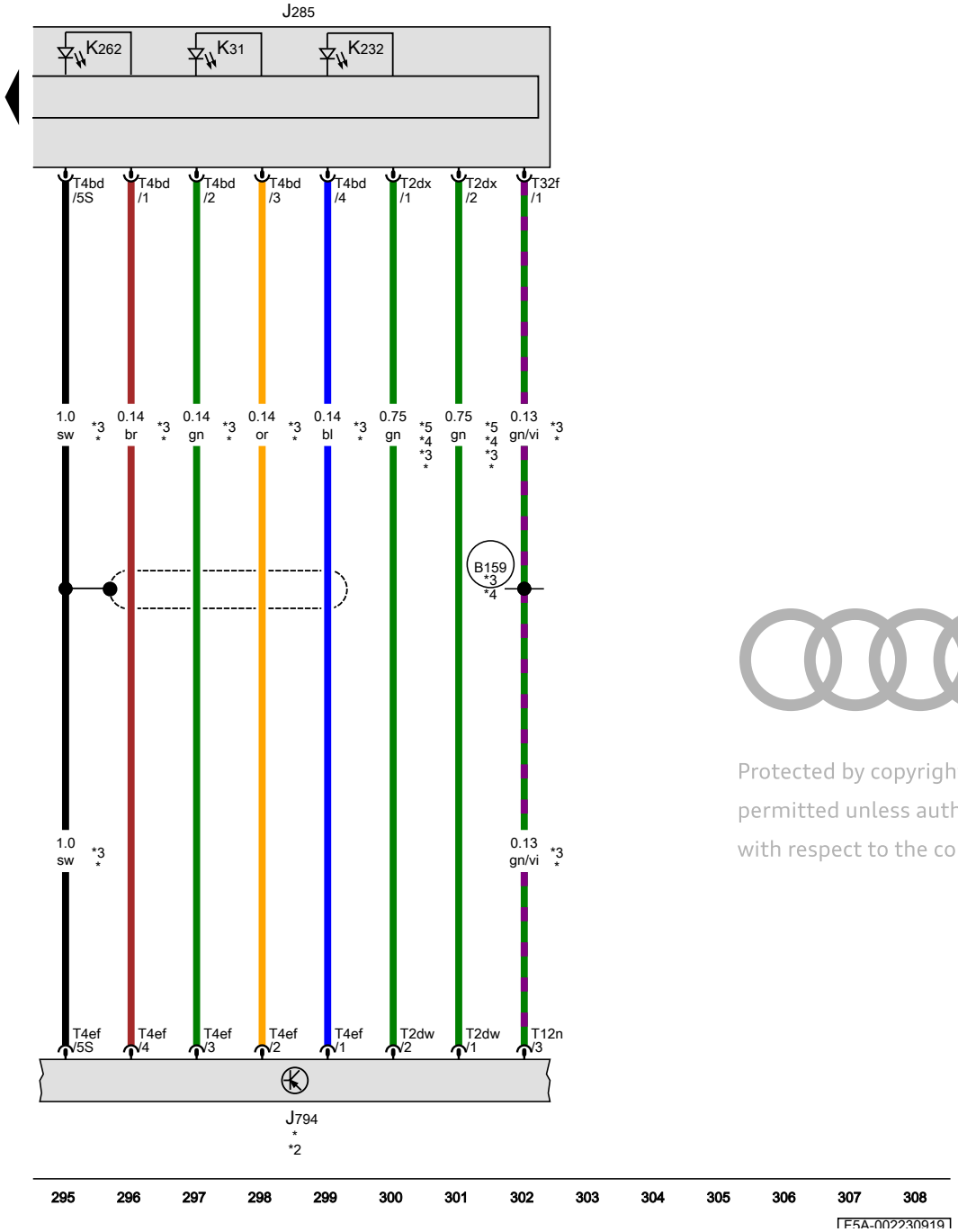

Control unit in dash panel insert, Control unit 1 for information electronics

J285	Control unit in dash panel insert
J794	Control unit 1 for information electronics
K31	Cruise control system warning lamp
K232	Lane change assist warning lamp
K262	Warning lamp for right turn signal
T2dw	2-pin connector, black
T2dx	2-pin connector, black
T4bd	4-pin connector, black
T4ef	4-pin connector, yellow
T12n	12-pin connector, grey
T32f	32-pin connector, grey
B159	Connection (diagnosis), in interior wiring harness
*	see applicable current flow diagram for dash panel insert
*2	see applicable current flow diagram for MMI (information electronics)
*3	Up to September 2019
*4	see applicable current flow diagram for infotainment MOST bus
*5	Fibre optic cable (FOC)

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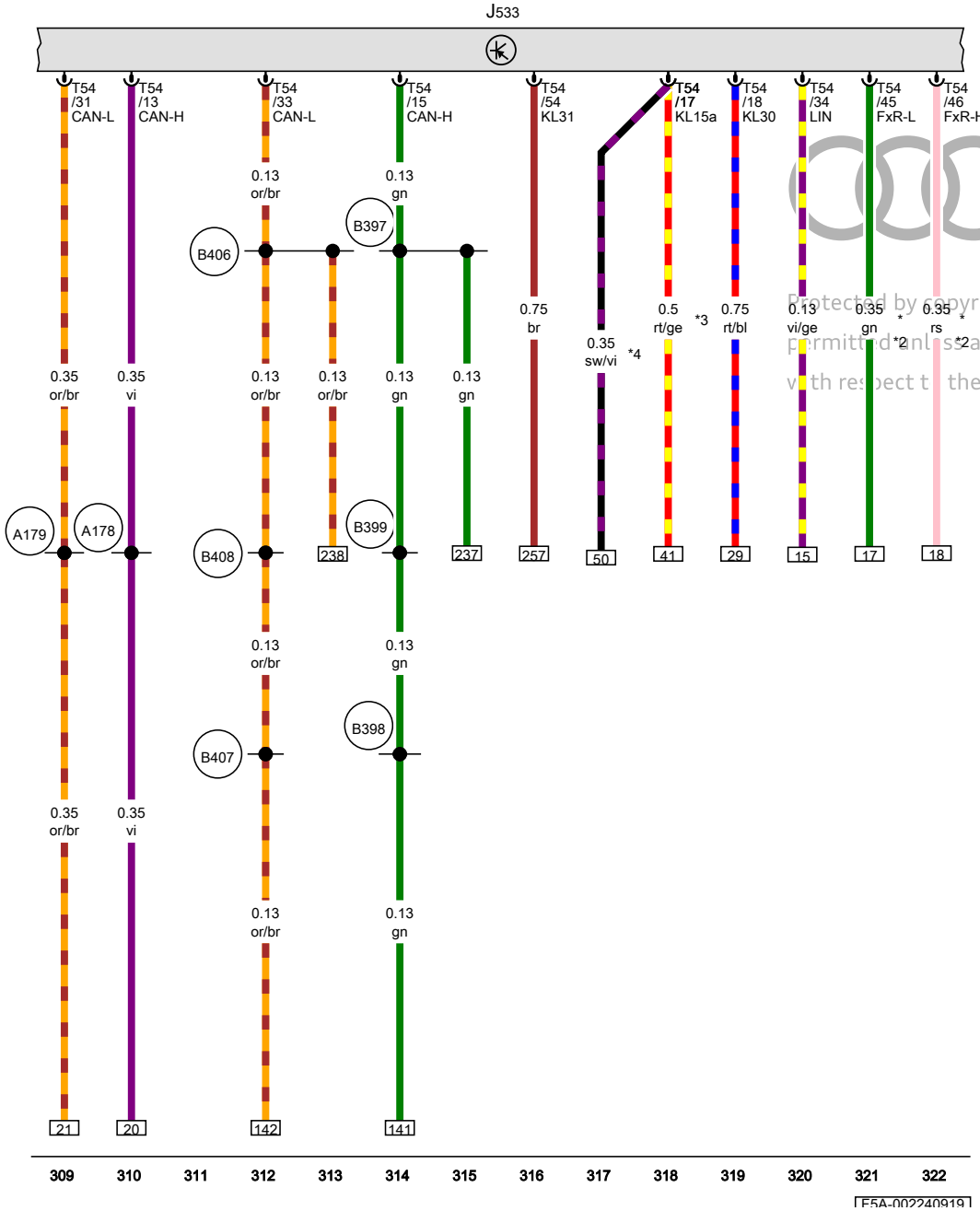

Data bus diagnostic interface

J533 Data bus diagnostic interface
T54 54-pin connector, black

A178 Connection (infotainment CAN bus, high), in dash panel wiring harness

A179 Connection (infotainment CAN bus, low), in dash panel wiring harness

B397 Connection 1 (convenience CAN bus, high), in main wiring harness

B398 Connection 2 (convenience CAN bus, high), in main wiring harness

B399 Connection 3 (convenience CAN bus, high), in main wiring harness

B406 Connection 1 (convenience CAN bus, low), in main wiring harness

B407 Connection 2 (convenience CAN bus, low), in main wiring harness

B408 Connection 3 (convenience CAN bus, low), in main wiring harness

* Data bus wire (FlexRay bus)
*2 see applicable current flow diagram for data bus network
*3 Up to September 2019
*4 From October 2019

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

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Convenience system , (L0L)

From July 2016

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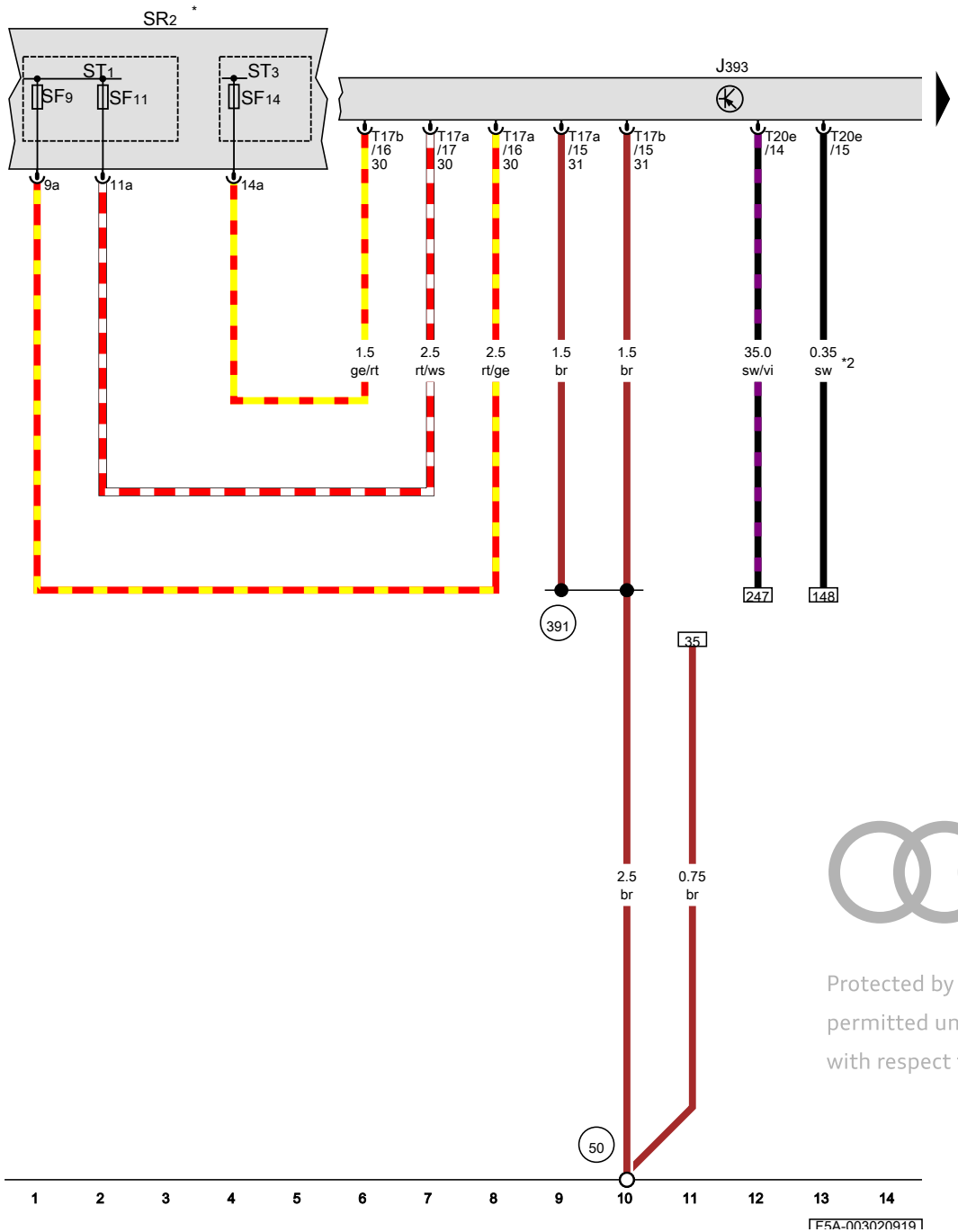

Convenience system central control unit, Relay and fuse carrier 2

J393	Convenience system central control unit, behind left side trim in luggage compartment
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
ST3	Fuse carrier 3, brown
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
T20e	20-pin connector, black
50	Earth point, on left in luggage compartment
391	Earth connection 26, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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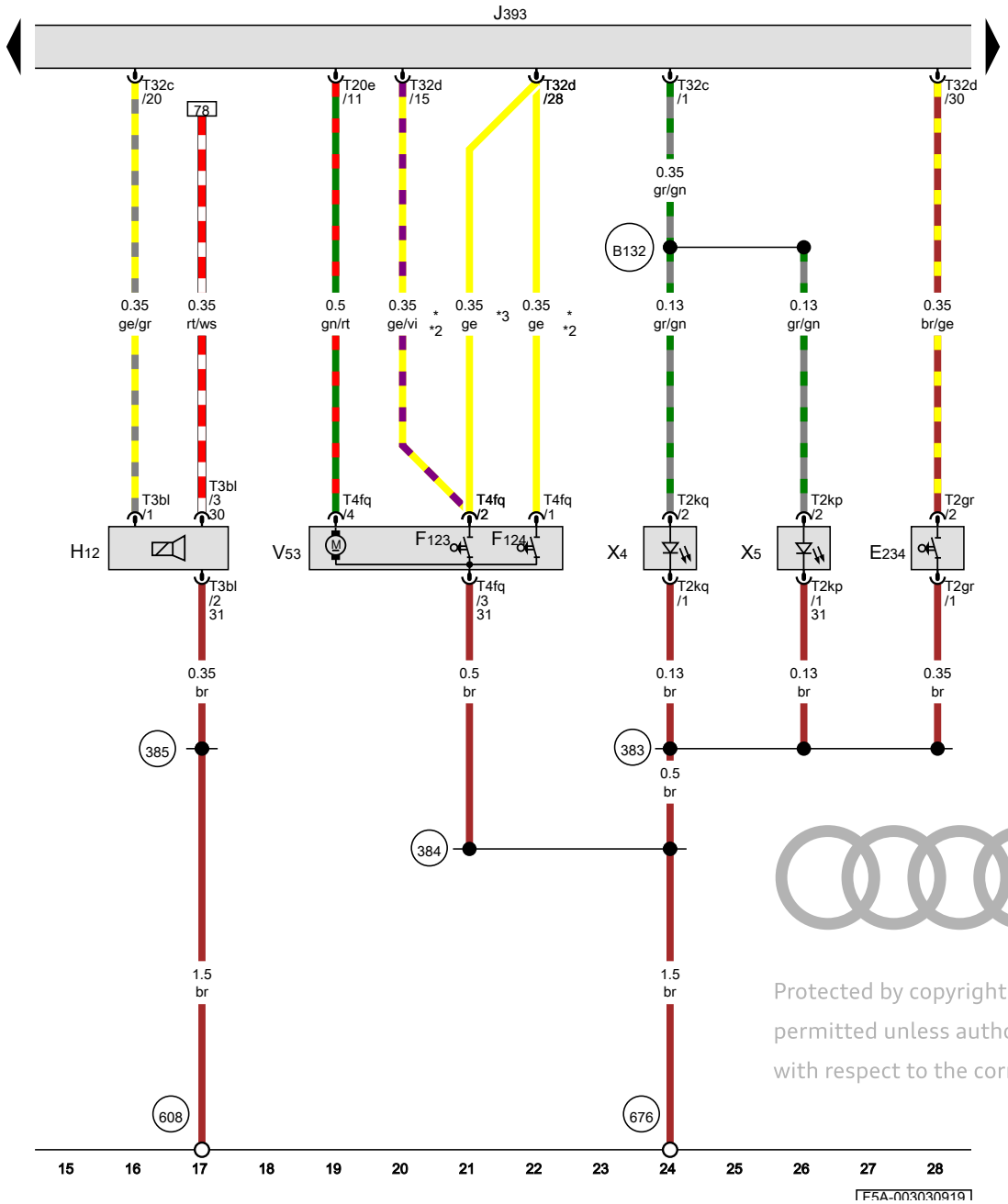

Rear lid handle release button, Alarm horn, Convenience system central control unit, Rear lid central locking motor, Left number plate light, Right number plate light

E234	Rear lid handle release button
F123	Rear lid contact switch for anti-theft alarm
F124	Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
H12	Alarm horn
J393	Convenience system central control unit, behind left side trim in luggage compartment
T2gr	2-pin connector, black
T2kp	2-pin connector, black
T2kq	2-pin connector, black
T3bl	3-pin connector, black
T4fq	4-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
V53	Rear lid central locking motor
X4	Left number plate light
X5	Right number plate light
383	Earth connection 18, in main wiring harness
384	Earth connection 19, in main wiring harness
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
676	Earth point 2, on left in luggage compartment
B132	Connection (number plate lights), in interior wiring harness
*	For models with electric rear lid opener
*2	For models with power latching for rear lid
*3	For models with no electric rear lid opener

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sw	=	black
ro	=	red
rt	=	red
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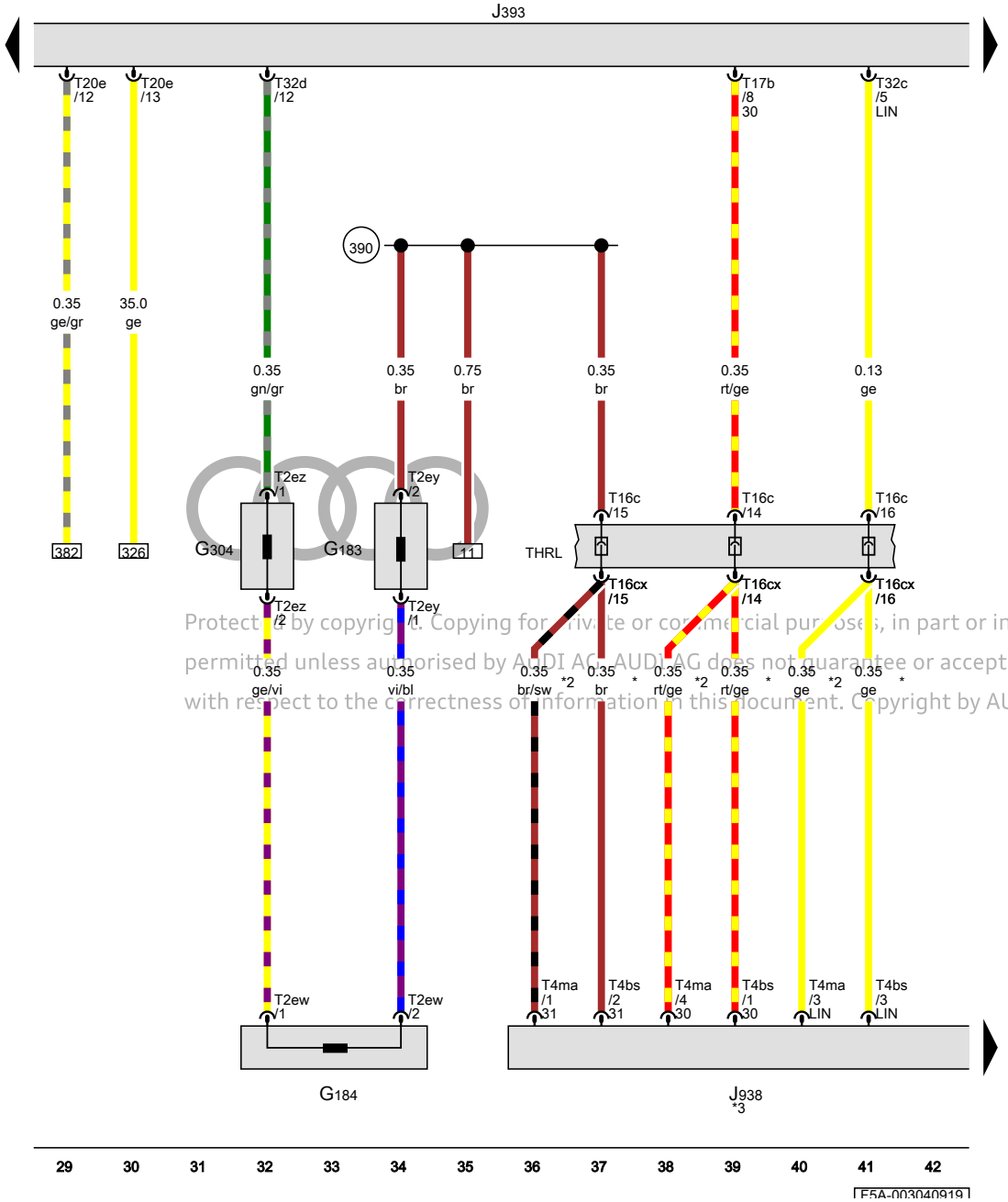

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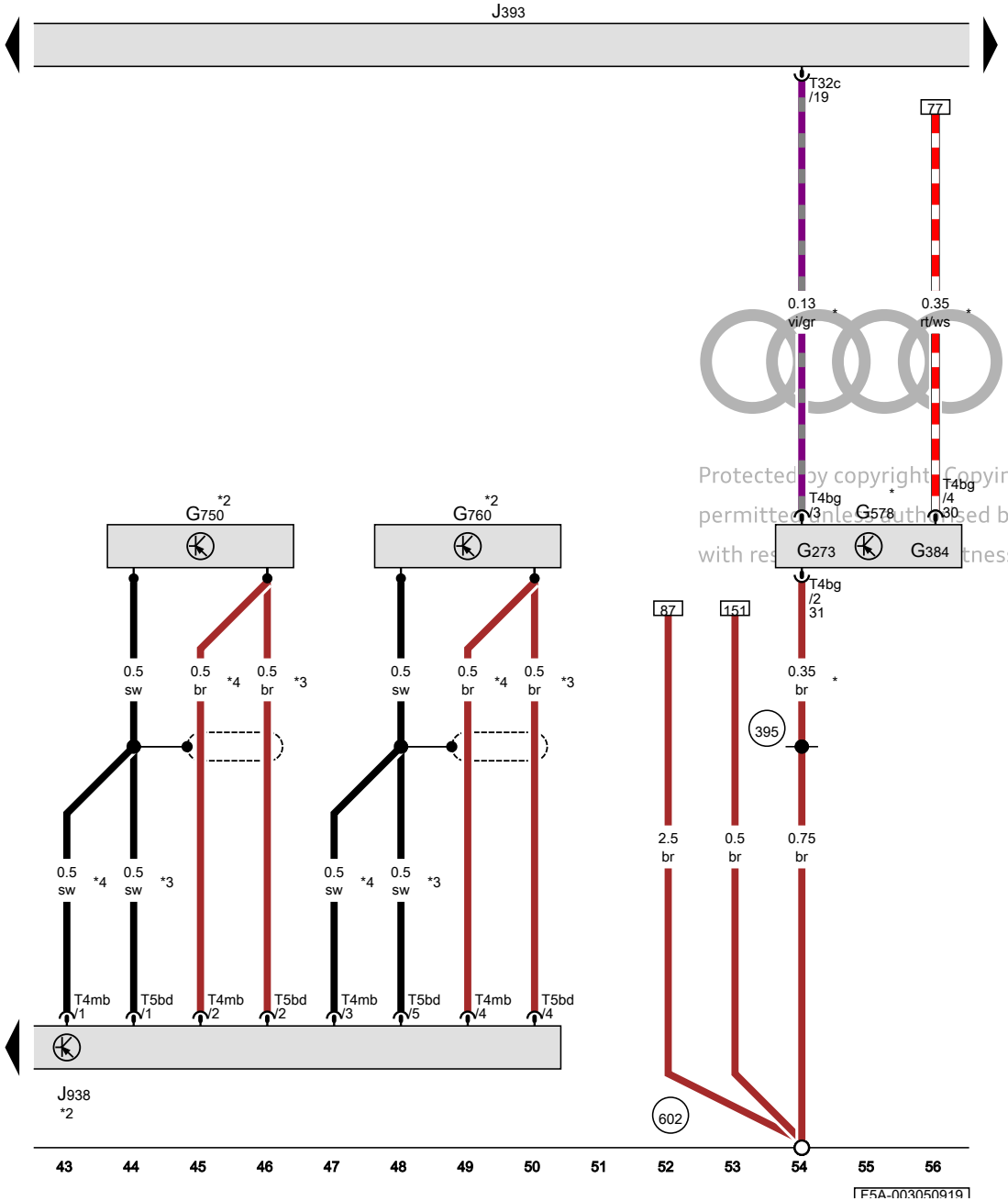
Convenience system central control unit, Rear lid power opening control unit

G183	Rear left side window glass breakage sensor
G184	Rear right side window glass breakage sensor
G304	Glass breakage sensor for rear window
J393	Convenience system central control unit, behind left side trim in luggage compartment
J938	Rear lid power opening control unit
T2ew	2-pin connector, black
T2ey	2-pin connector, black
T2ez	2-pin connector, black
T4bs	4-pin connector, black
T4ma	4-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T17b	17-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
THRL	Coupling point in luggage compartment, left
390	Earth connection 25, in main wiring harness
*	Up to September 2019
*2	From October 2019
*3	Optional equipment



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Interior monitoring sensor, Vehicle inclination sender, Anti-theft alarm sensor, Rear lid power opening sender, Rear lid power opening sender 2, Convenience system central control unit, Rear lid power opening control unit

G273	Interior monitoring sensor
G384	Vehicle inclination sender
G578	Anti-theft alarm sensor
G750	Rear lid power opening sender, in rear bumper
G760	Rear lid power opening sender 2, in rear bumper
J393	Convenience system central control unit, behind left side trim in luggage compartment
J938	Rear lid power opening control unit
T4bg	4-pin connector, black
T4mb	4-pin connector, black
T5bd	5-pin connector, black
T32c	32-pin connector, black
395	Earth connection 30, in main wiring harness
602	Earth point, in front left footwell
*	Anti-theft alarm system with interior monitoring
*2	Optional equipment
*3	Up to September 2019
*4	From October 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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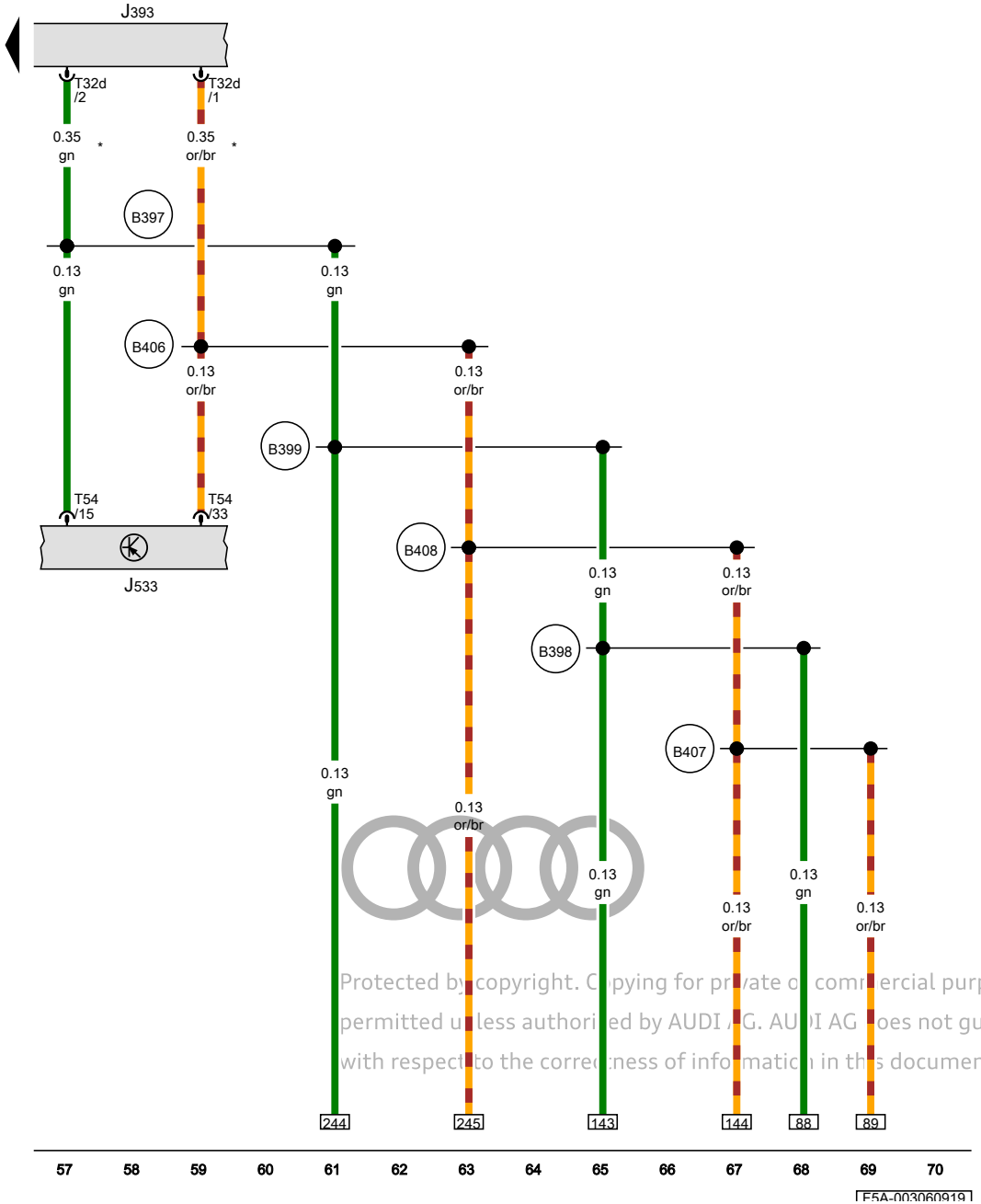

Convenience system central control unit

J393	Convenience system central control unit, behind left side trim in luggage compartment
J533	Data bus diagnostic interface
T32d	32-pin connector, blue
T54	54-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
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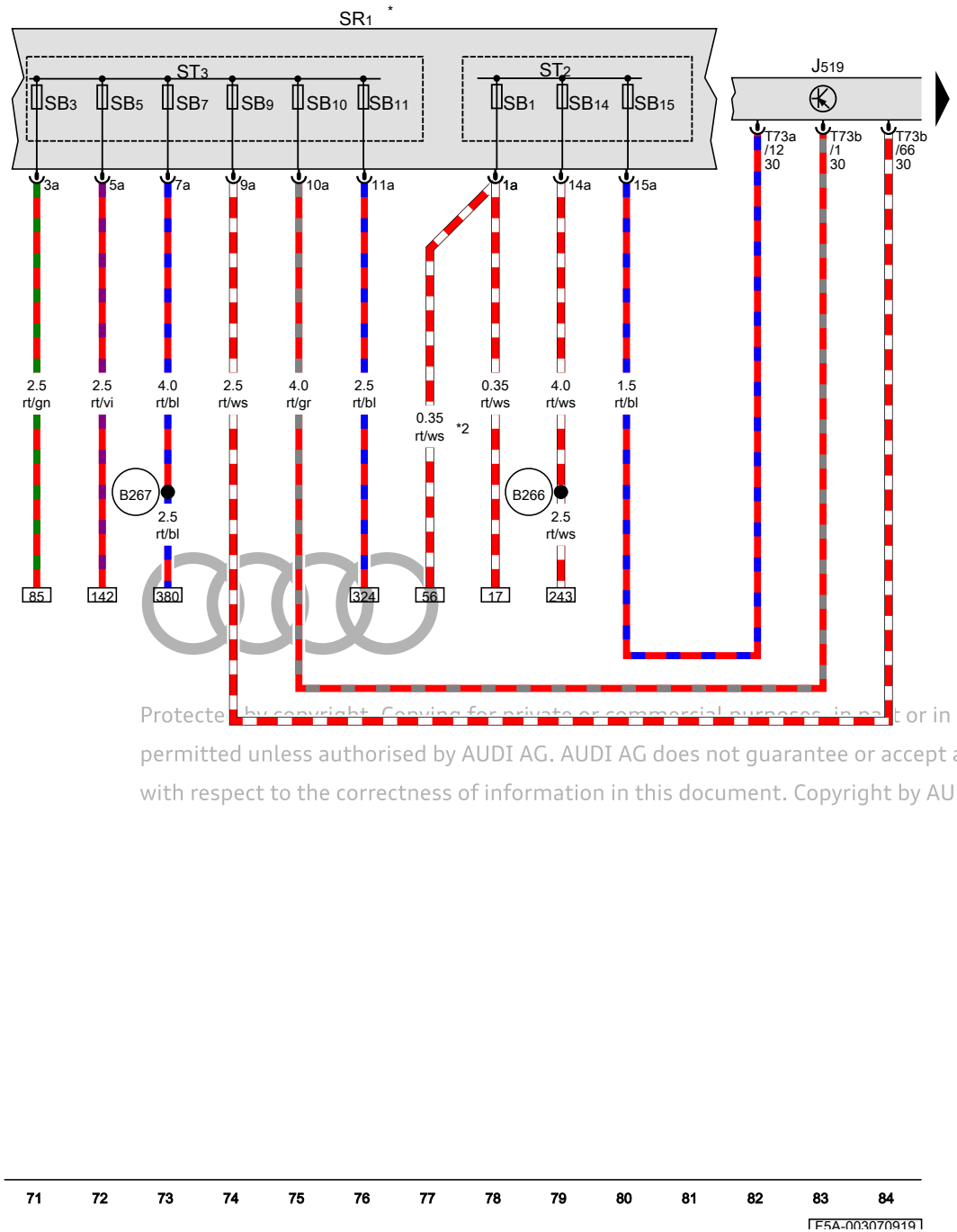

Onboard supply control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
ST3	Fuse carrier 3, black
SB5	Fuse 5 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
T73a	73-pin connector, black
T73b	73-pin connector, black
B266	Positive connection 1 (30a, door control unit), in interior wiring harness
B267	Positive connection 2 (30a, door control unit), in interior wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Anti-theft alarm system with interior monitoring

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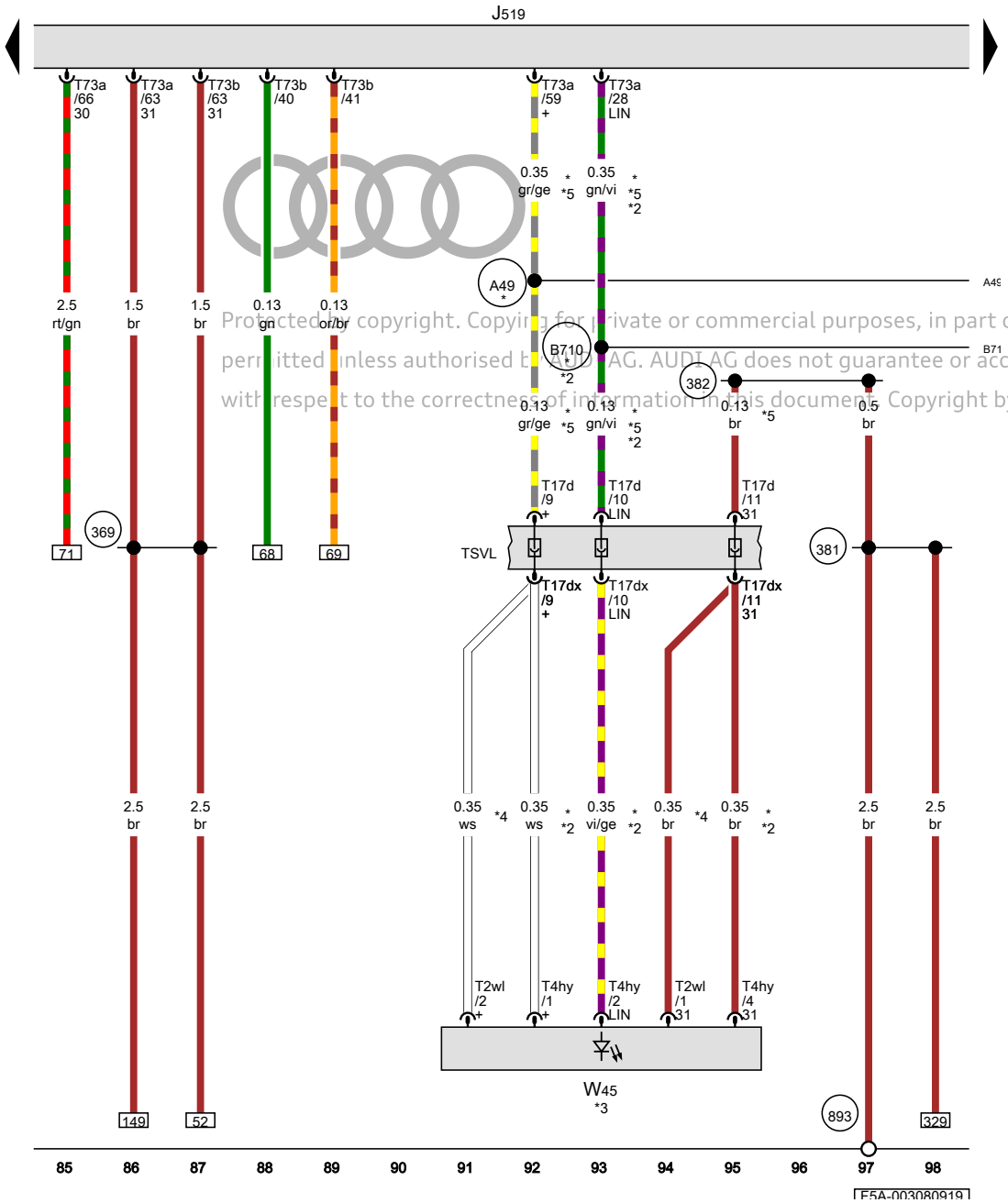

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Onboard supply control unit, Rear left footwell light

J519	Onboard supply control unit
T2wl	2-pin connector, brown
T4hy	4-pin connector, brown
T17d	17-pin connector, red
T17dx	17-pin connector, red
T73a	73-pin connector, black
T73b	73-pin connector, black
TSVL	Coupling point for front left seat
W45	Rear left footwell light
369	Earth connection 4, in main wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
A49	Connection 1, in dash panel wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	Optional equipment
*2	Up to September 2019
*3	For models with additional lights
*4	According to equipment
*5	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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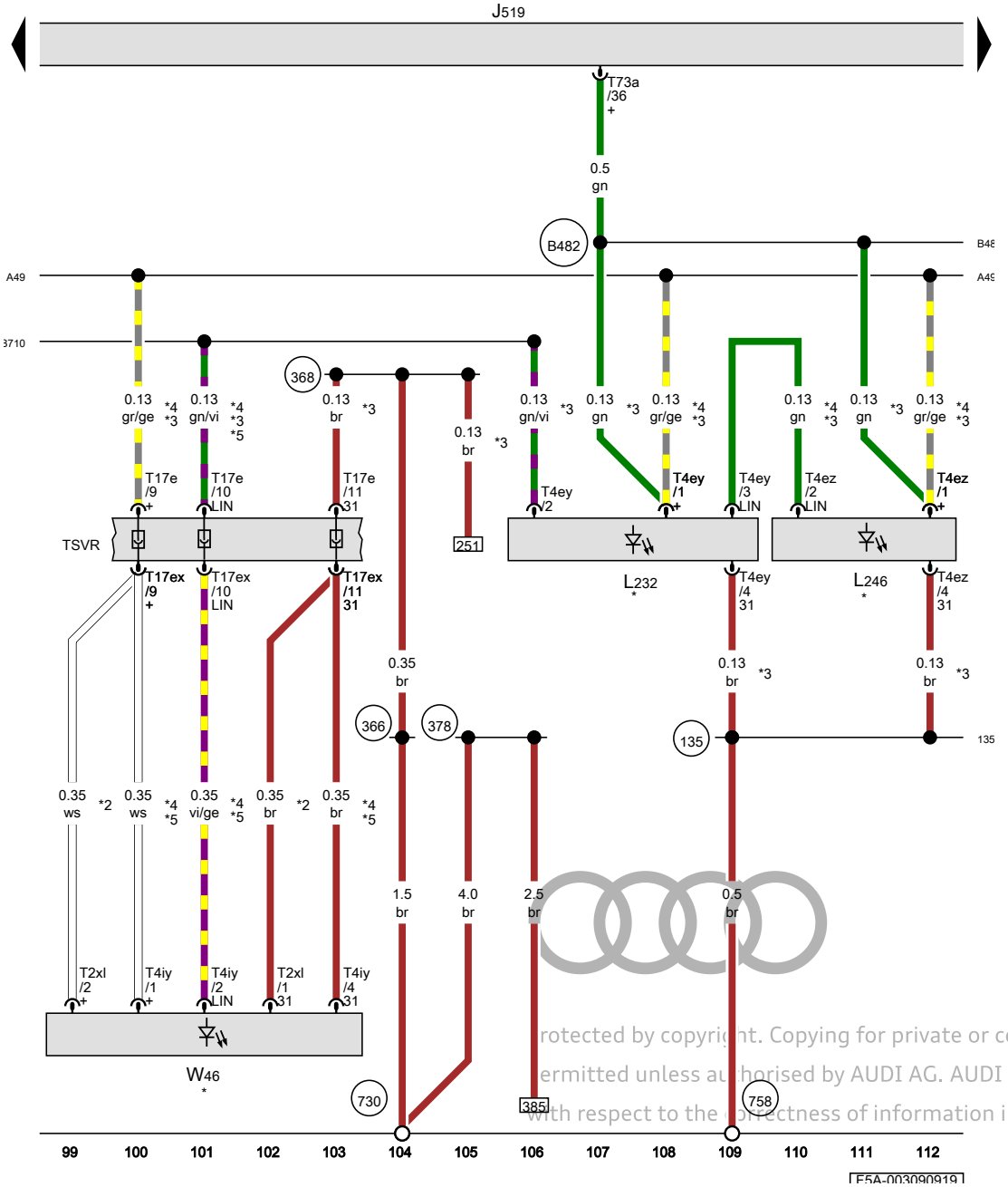

Onboard supply control unit, Light for cup holder background lighting, Light 2 for cup holder background lighting, Rear right footwell light

J519	Onboard supply control unit
L232	Light for cup holder background lighting
L246	Light 2 for cup holder background lighting
T2xl	2-pin connector, brown
T4ey	4-pin connector, brown
T4ez	4-pin connector, brown
T4iy	4-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
T73a	73-pin connector, black
TSVR	Coupling point for front right seat
W46	Rear right footwell light
135	Earth connection 2, in dash panel wiring harness
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
378	Earth connection 13, in main wiring harness
730	Earth point 1, on right rear wheel housing
758	Earth point 3, on centre tunnel
A49	Connection 1, in dash panel wiring harness
B482	Connection 18, in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	For models with additional lights
*2	According to equipment
*3	Cross section depends on equipment
*4	Optional equipment
*5	Up to September 2019

ws	=	white
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ro	=	red
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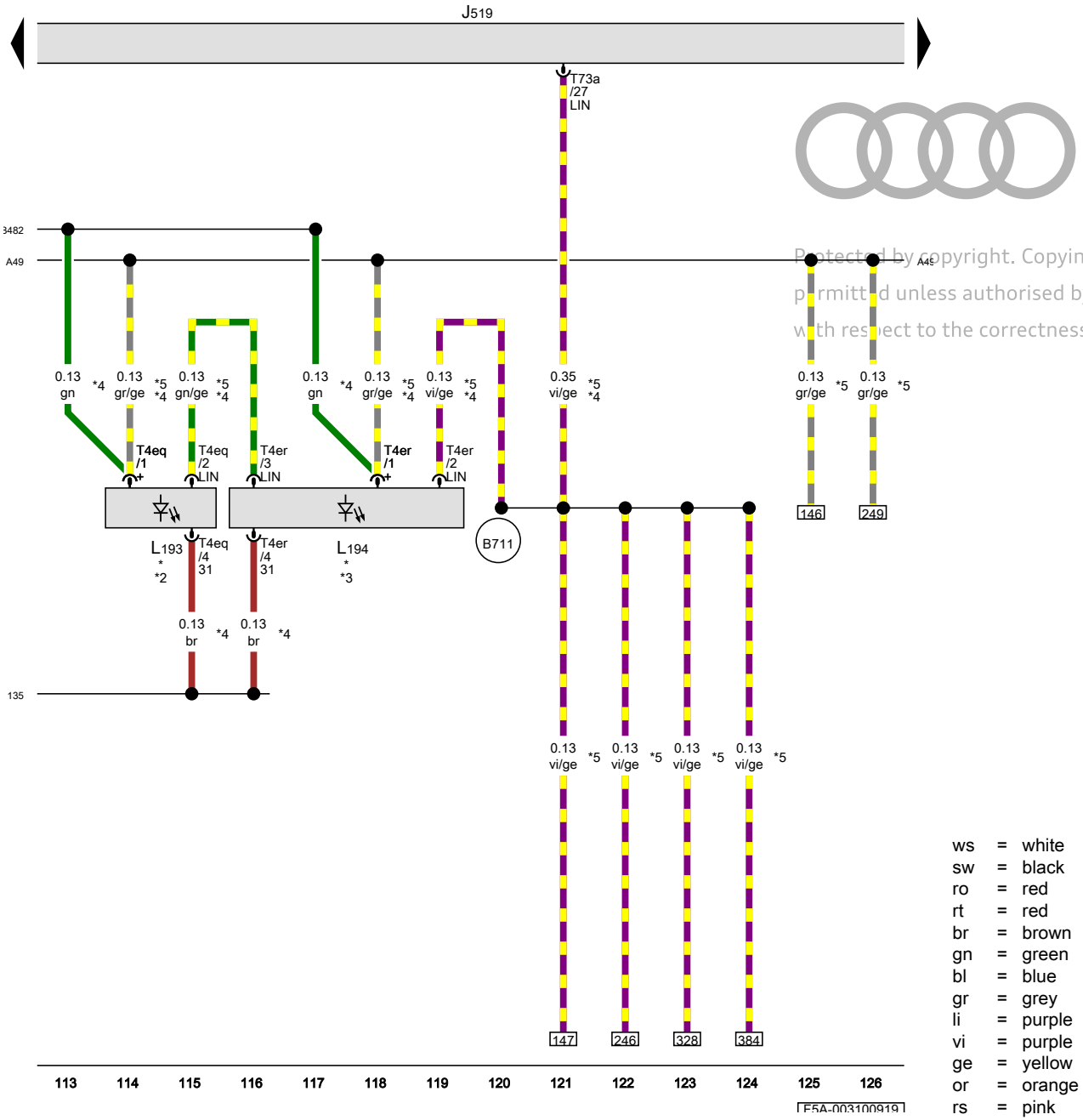

Onboard supply control unit, Light 1 for front centre console background lighting, Light 2 for front centre console background lighting

J519	Onboard supply control unit
L193	Light 1 for front centre console background lighting
L194	Light 2 for front centre console background lighting
T4eq	4-pin connector, black
T4er	4-pin connector, black
T73a	73-pin connector, black
135	Earth connection 2, in dash panel wiring harness
A49	Connection 1, in dash panel wiring harness
B482	Connection 18, in main wiring harness
B711	Connection 6 (LIN bus) in main wiring harness
*	For models with additional lights
*2	left
*3	right
*4	Cross section depends on equipment
*5	Optional equipment

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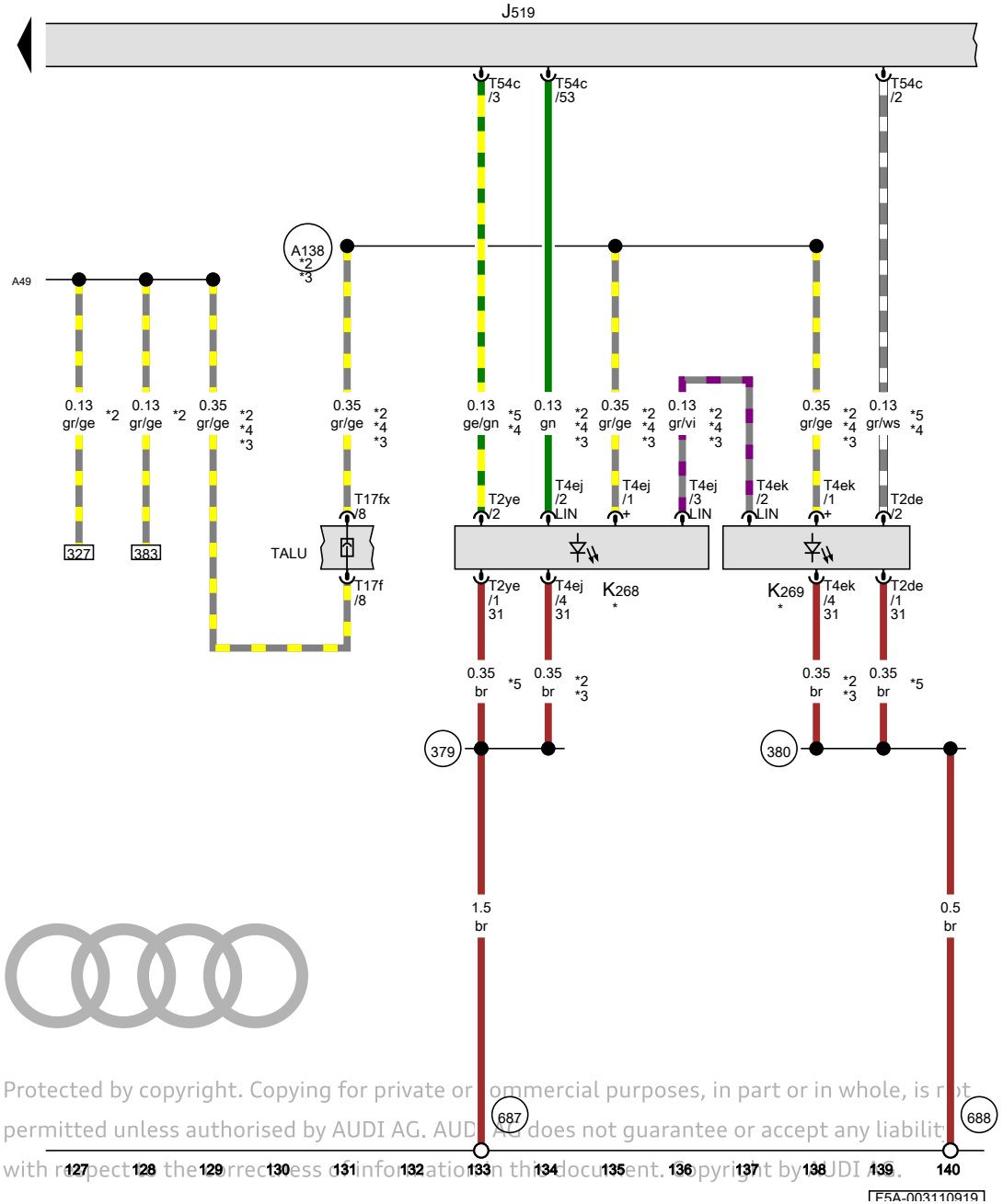

Onboard supply control unit, Front left footwell light, Front right footwell light

J519	Onboard supply control unit
K268	Front left footwell light
K269	Front right footwell light
T2de	2-pin connector, black
T2ye	2-pin connector, black
T4ej	4-pin connector, black
T4ek	4-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T54c	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A49	Connection 1, in dash panel wiring harness
A138	Connection 2, in dash panel wiring harness
*	For models with additional lights
*2	Optional equipment
*3	Up to September 2019
*4	Cross section depends on equipment
*5	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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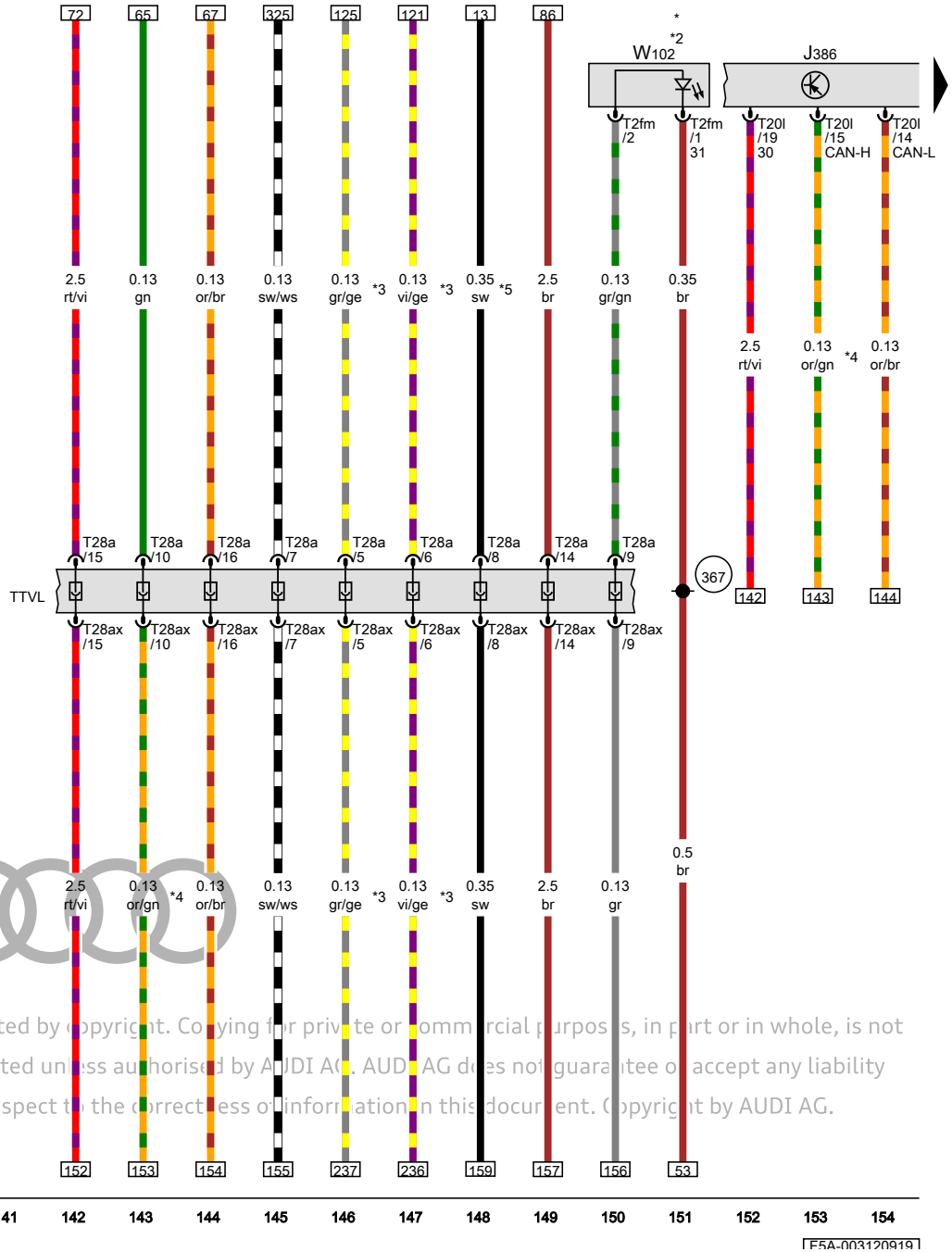

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Driver door control unit, Coupling point for front left door, Light for sill panel moulding background lighting, driver side

J386	Driver door control unit
T2fm	2-pin connector, black
T20l	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
W102	Light for sill panel moulding background lighting, driver side
367	Earth connection 2, in main wiring harness
*	Pre-wired component
*2	For models with additional lights
*3	Optional equipment
*4	Different wire colour possible
*5	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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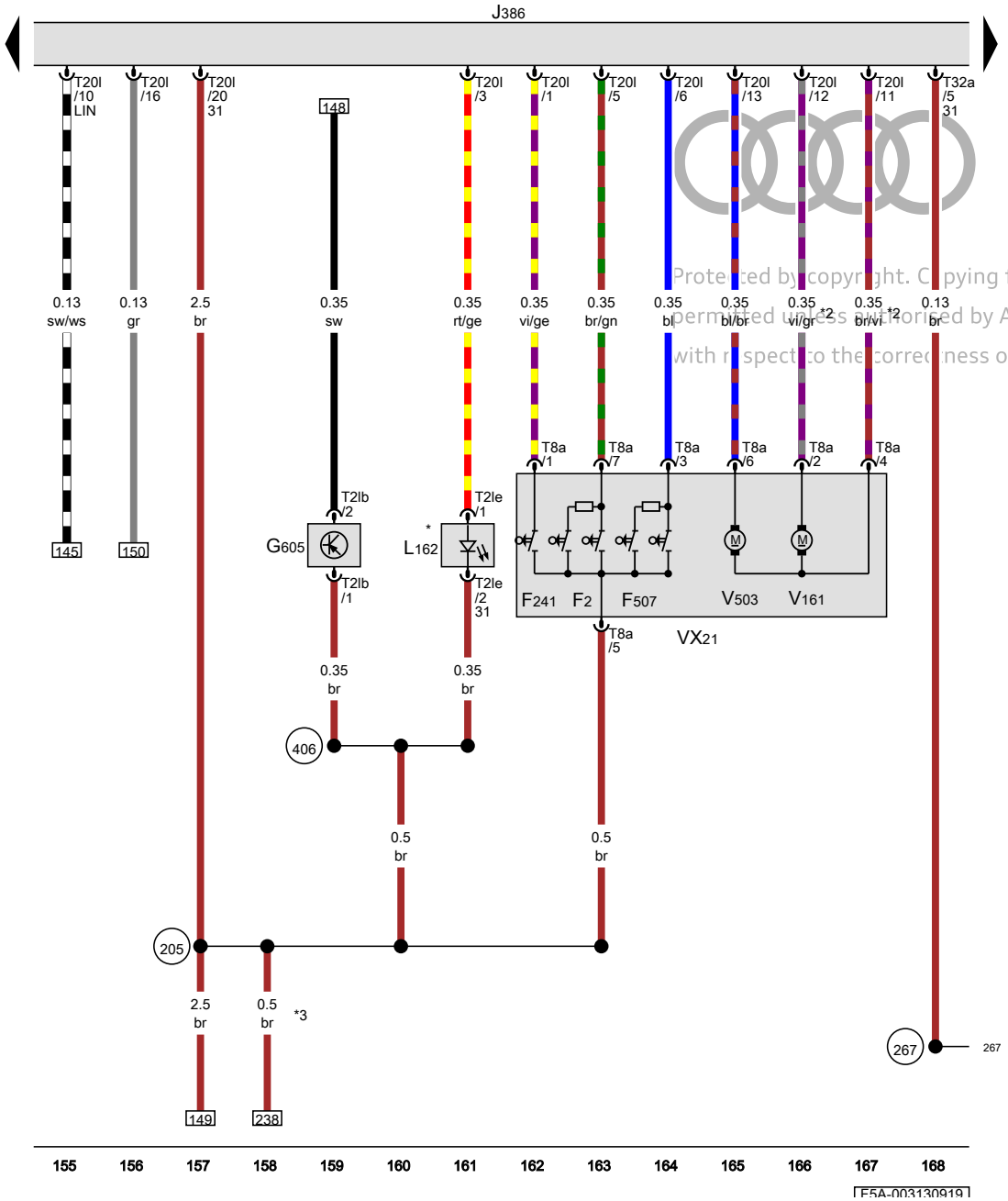

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Contact sensor for front left exterior door handle, Driver door control unit, Front left exterior door handle illumination bulb, Driver door lock unit

F2	Driver door contact switch
F241	Driver side contact switch in lock cylinder
F507	Driver side central locking actuator
G605	Contact sensor for front left exterior door handle
J386	Driver door control unit
L162	Front left exterior door handle illumination bulb
T2lb	2-pin connector, black
T2le	2-pin connector, colourless
T8a	8-pin connector, black
T20l	20-pin connector, white
T32a	32-pin connector, blue
VX21	Driver door lock unit
V161	Driver door central locking SAFELOCK function motor
V503	Central locking motor on driver side
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in drive side door wiring harness
406	Earth connection 5, in drive side door wiring harness
*	For models with additional lights
*2	Different wire colour possible
*3	Optional equipment

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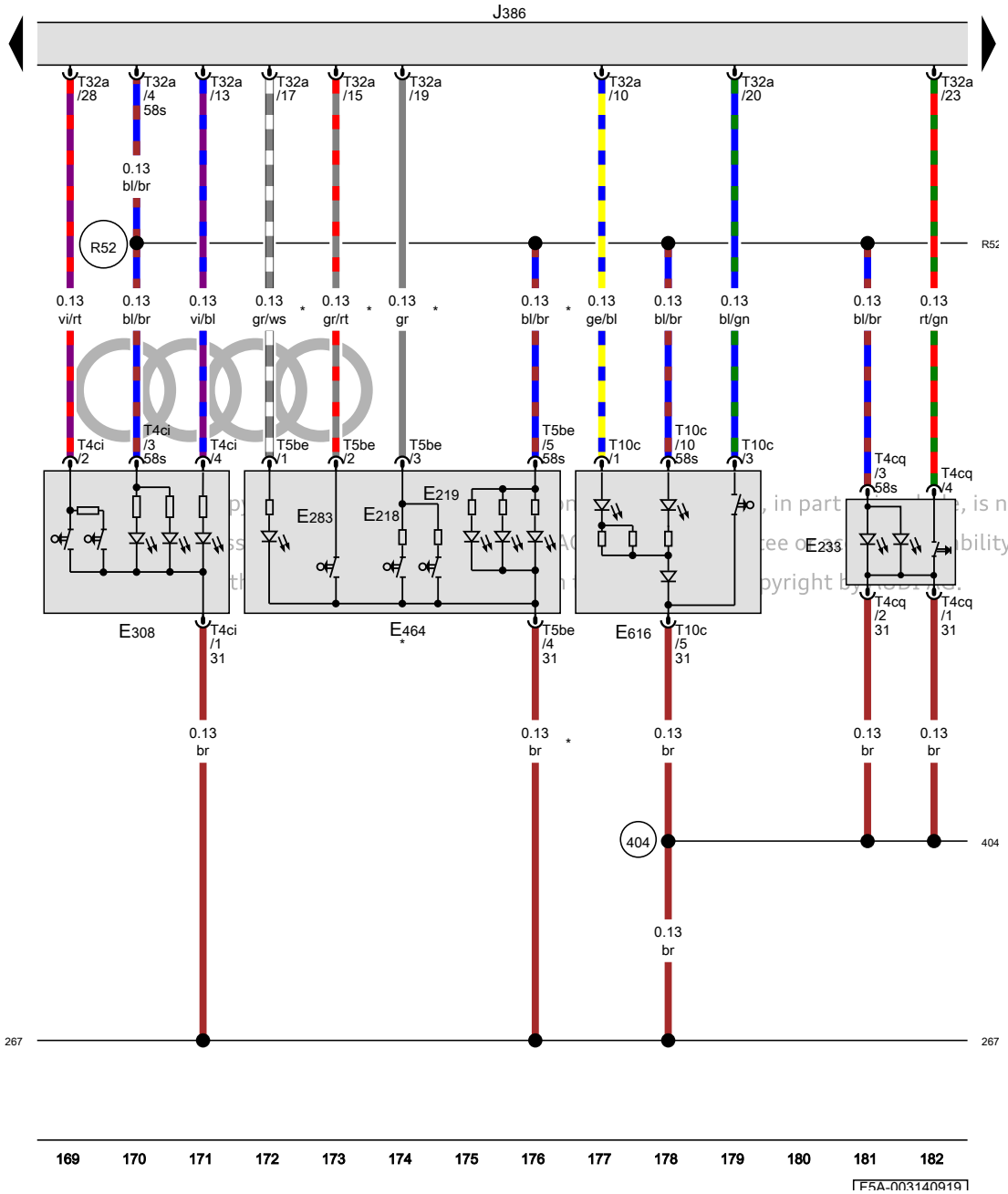

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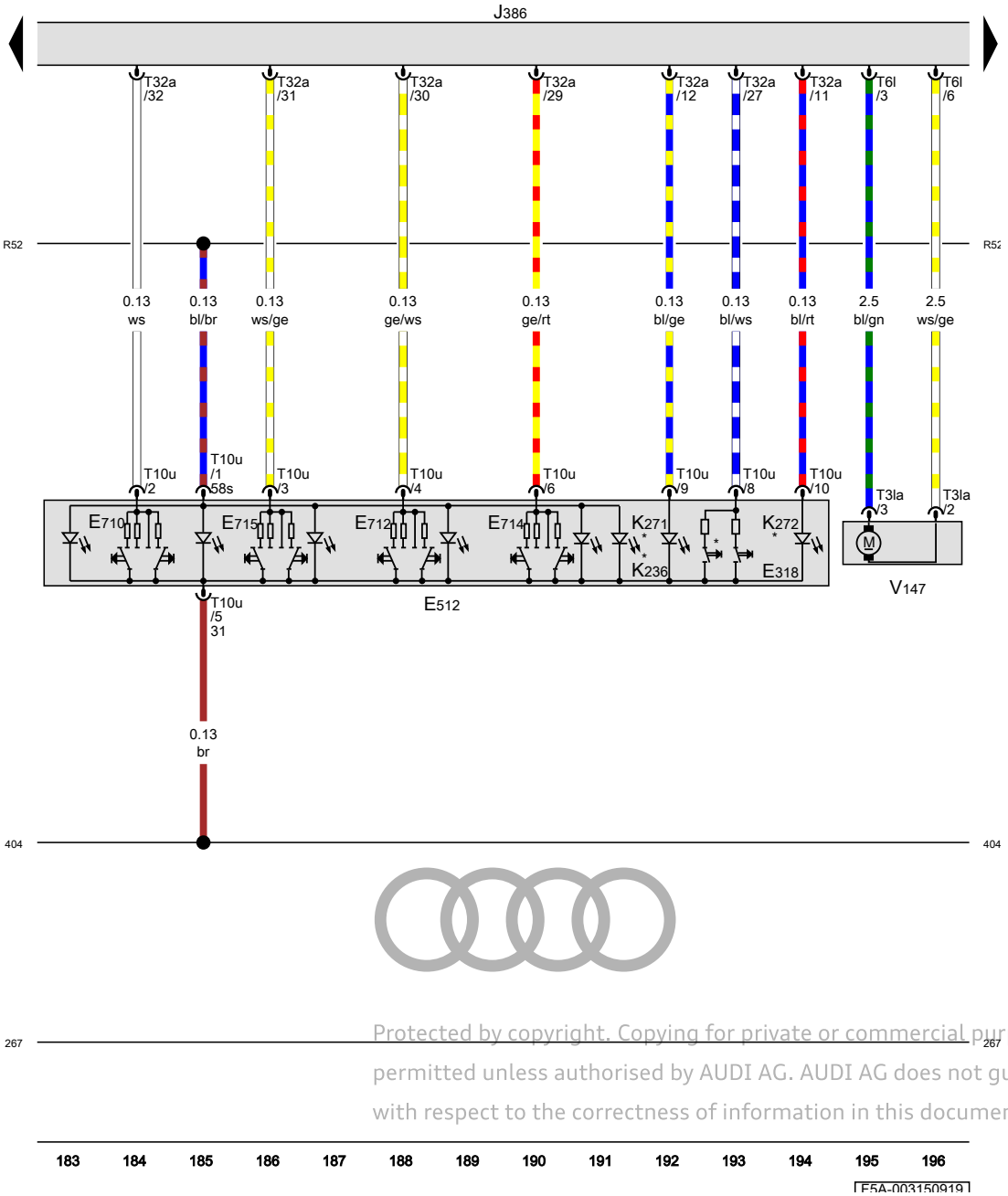
Rear lid remote release button, Driver side interior locking button for central locking system, Driver operating unit for memory settings, Button for deactivating interior monitoring and vehicle inclination sensor, Driver door control unit

E218	Seat memory position button 1
E219	Seat memory position button 2
E233	Rear lid remote release button
E283	Driver seat memory function button
E308	Driver side interior locking button for central locking system
E464	Driver operating unit for memory settings
E616	Button for deactivating interior monitoring and vehicle inclination sensor
J386	Driver door control unit
T4ci	4-pin connector, brown
T4cq	4-pin connector, brown
T5be	5-pin connector, black
T10c	10-pin connector, black
T32a	32-pin connector, blue
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	According to equipment



Operating unit for window regulator in driver door, Driver door control unit, Driver side window regulator motor

E318	Childproof lock button
E512	Operating unit for window regulator in driver door
E710	Front driver side window regulator button
E712	Rear driver side window regulator button, in driver door
E714	Rear passenger side window regulator button, in driver door
E715	Front passenger side window regulator button, in driver door
J386	Driver door control unit
K236	Warning light for activated childproof lock
K271	Warning lamp for activated left childproof lock
K272	Warning lamp for activated right childproof lock
T3la	3-pin connector, blue
T6l	6-pin connector, black
T10u	10-pin connector, black
T32a	32-pin connector, blue
V147	Driver side window regulator motor
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	According to equipment

ws	=	white
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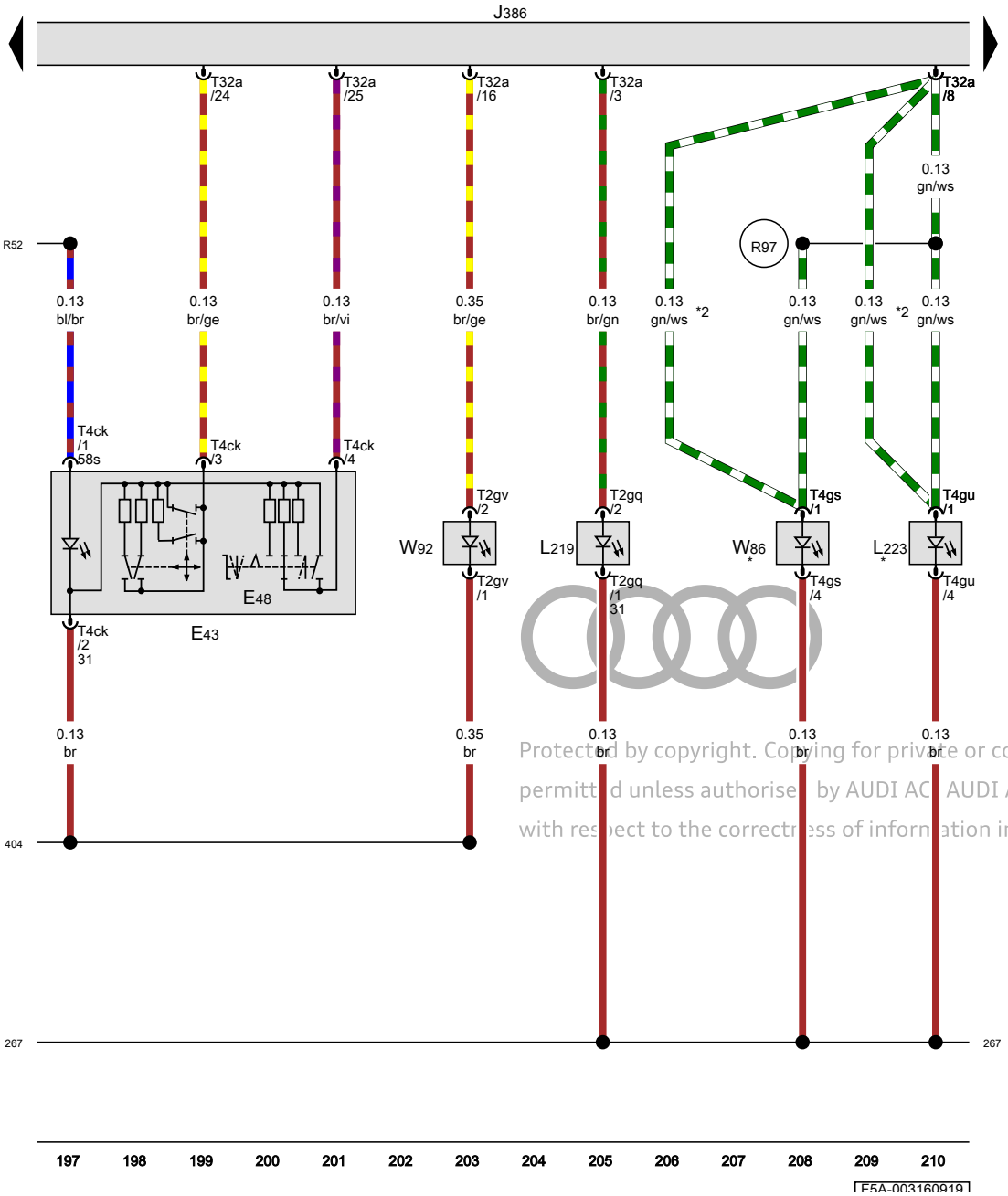

Mirror adjustment switch, Mirror adjustment changeover switch, Driver door control unit, Light for driver side interior door handle illumination, Light for driver side door loudspeaker trim, Light for driver door background lighting, Driver side entry light

E43	Mirror adjustment switch
E48	Mirror adjustment changeover switch
J386	Driver door control unit
L219	Light for driver side interior door handle illumination
L223	Light for driver side door loudspeaker trim
T2gq	2-pin connector, brown
T2gv	2-pin connector, black
T4ck	4-pin connector, brown
T4gs	4-pin connector, brown
T4gu	4-pin connector, brown
T32a	32-pin connector, blue
W86	Light for driver door background lighting
W92	Driver side entry light
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
R97	Connection 4 in driver side door wiring harness
*	For models with additional lights
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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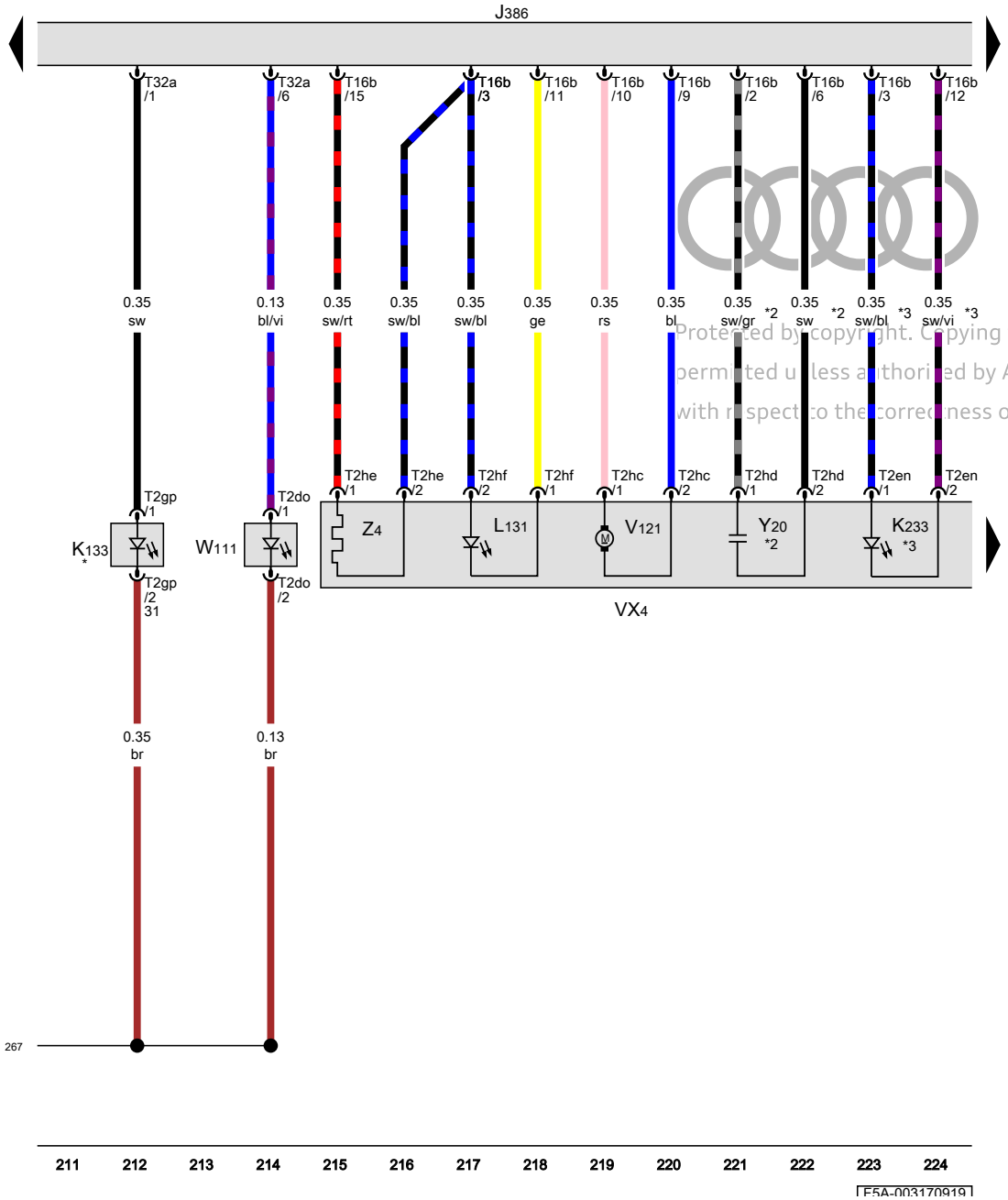

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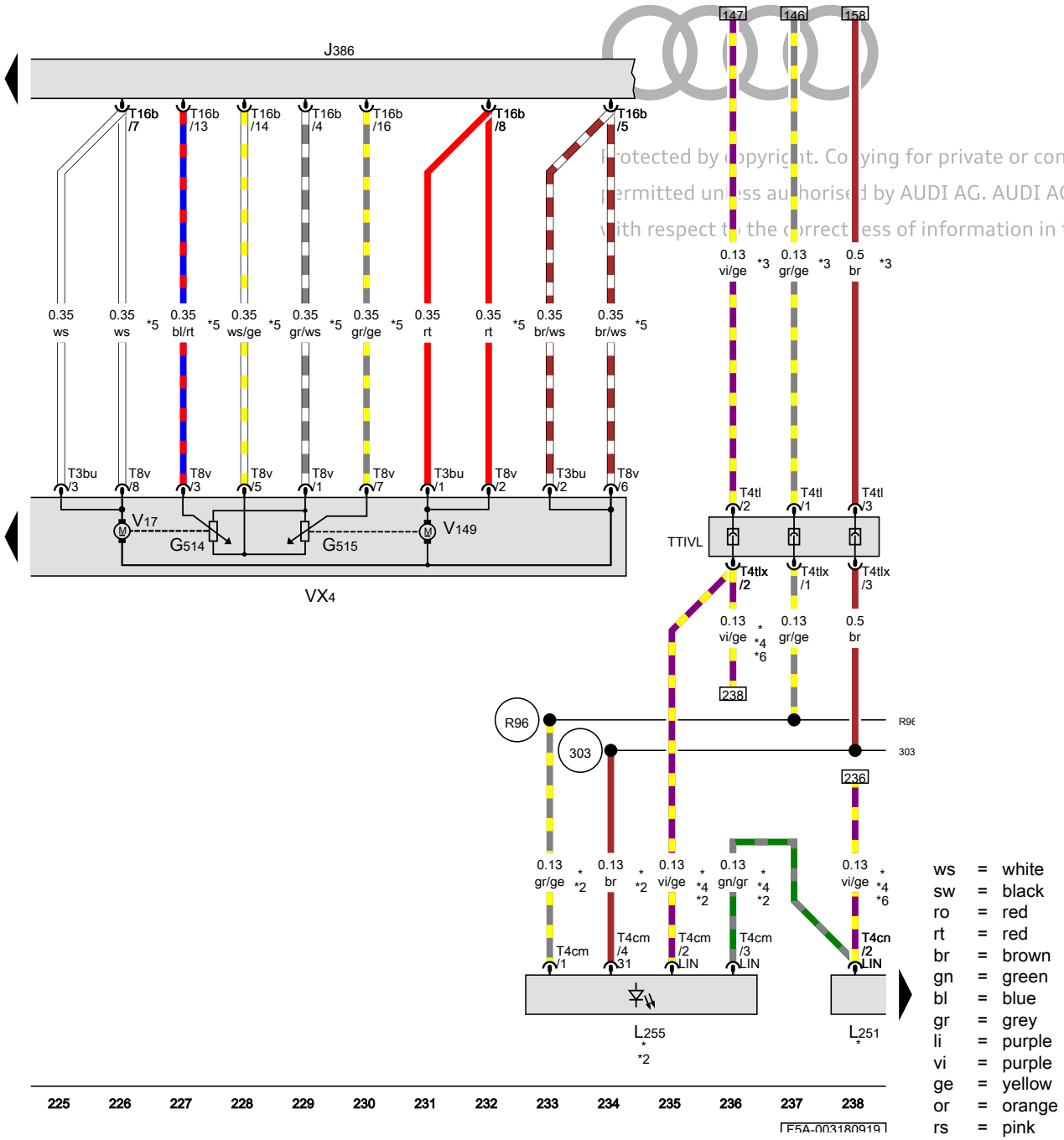
Driver door control unit, Central locking SAFELOCK function warning lamp, Driver side exterior mirror, Exit warning lamp, driver side

J386	Driver door control unit
K133	Central locking SAFELOCK function warning lamp
K233	Lane change assist warning lamp in driver side exterior mirror
L131	Driver side turn signal repeater bulb
T2do	2-pin connector, black
T2en	2-pin connector, black
T2gp	2-pin connector, black
T2hc	2-pin connector, black
T2hd	2-pin connector, black
T2he	2-pin connector, black
T2hf	2-pin connector, brown
T16b	16-pin connector, white
T32a	32-pin connector, blue
VX4	Driver side exterior mirror
V121	Driver side fold-in mirror motor
W111	Exit warning lamp, driver side
Y20	Automatic anti-dazzle exterior mirror, driver side
Z4	Heated exterior mirror on driver side
267	Earth connection 2, in drive side door wiring harness
*	Pre-wired component
*2	For models with automatic anti-dazzle exterior mirror
*3	For models with lane change assist

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Driver door control unit, Light for front left door contour lighting, Light for left door storage compartment illumination, Coupling point in front left door, Driver side exterior mirror

G514	Potentiometer for horizontal adjustment of driver side mirror
G515	Potentiometer for vertical adjustment of driver side mirror
J386	Driver door control unit
L251	Light for front left door contour lighting
L255	Light for left door storage compartment illumination
T3bu	3-pin connector, black
T4cm	4-pin connector, black
T4cn	4-pin connector, black
T4tl	4-pin connector, black
T4tlx	4-pin connector, black
T8v	8-pin connector, black
T16b	16-pin connector, white
TTIVL	Coupling point in front left door
VX4	Driver side exterior mirror
V17	Driver side mirror adjustment motor 2
V149	Driver side mirror adjustment motor
303	Earth connection 3, in drive side door wiring harness
R96	Connection 3 in driver side door wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	Optional equipment
*4	According to equipment
*5	For models with electric seat adjustment and memory function
*6	From October 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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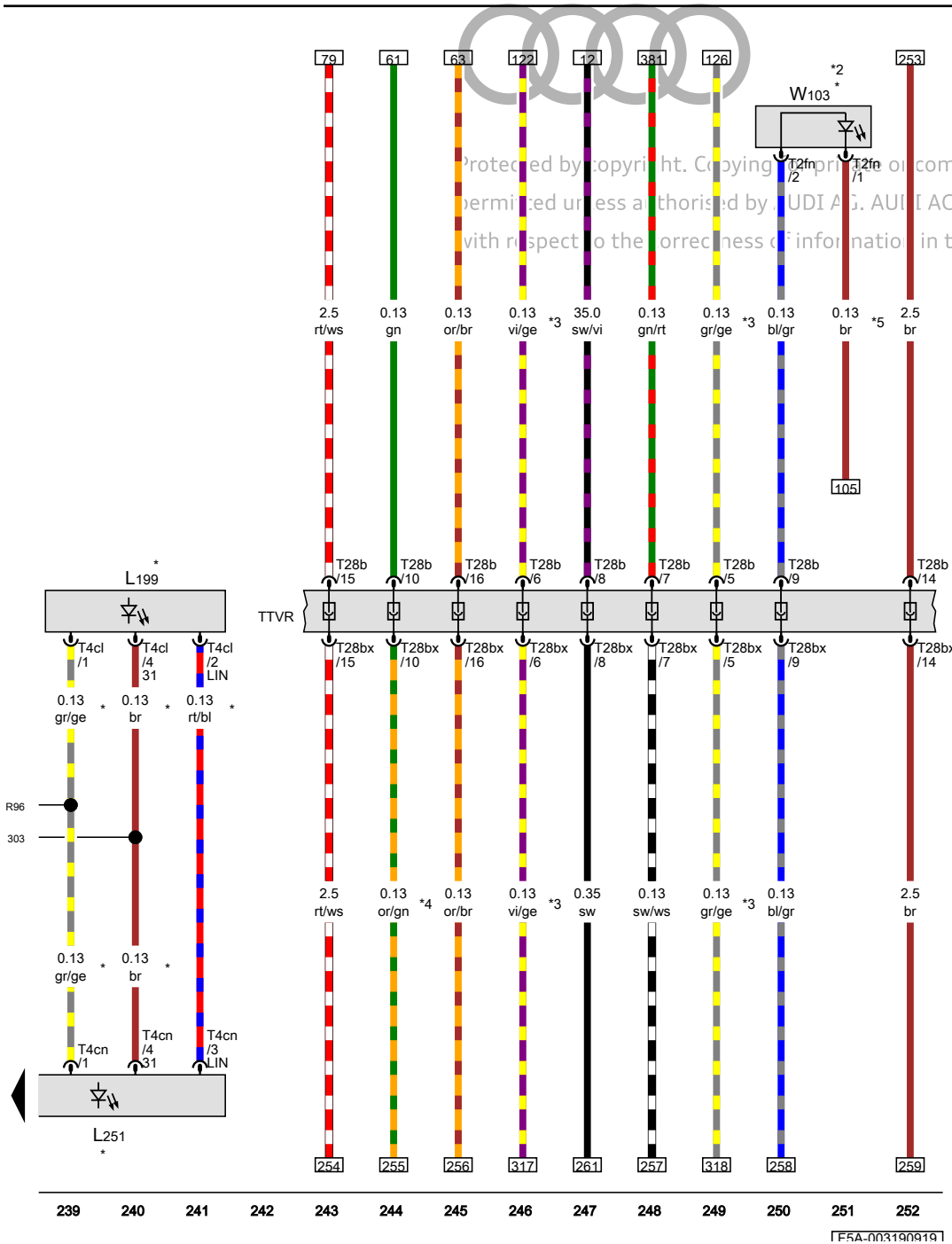

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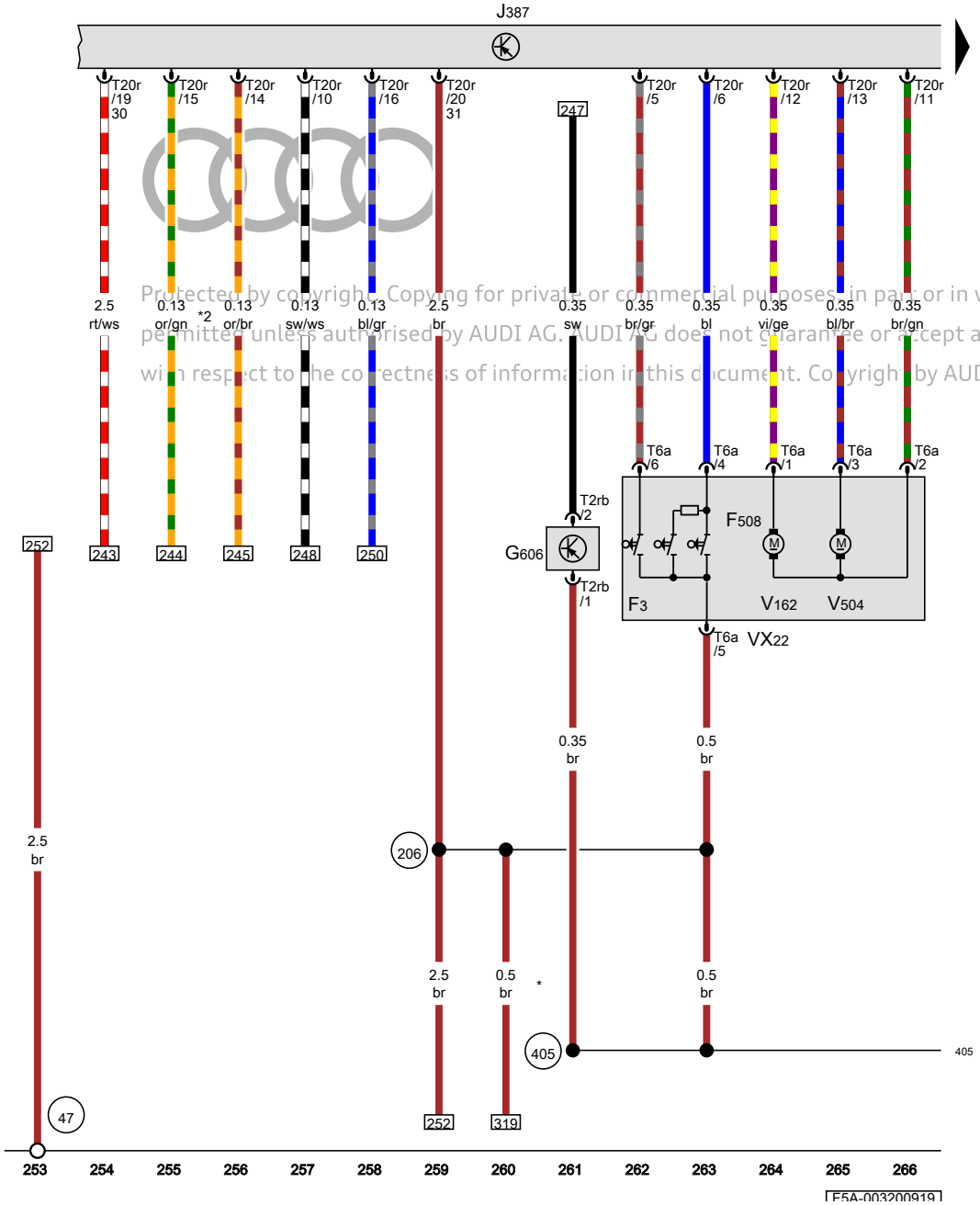
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Light 1 for front left door background lighting, Light for front left door contour lighting, Light for sill panel moulding background lighting, front passenger side

L199	Light 1 for front left door background lighting
L251	Light for front left door contour lighting
T2fn	2-pin connector, black
T4cl	4-pin connector, red
T4cn	4-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVR	Coupling point for front right door
W103	Light for sill panel moulding background lighting, front passenger side
303	Earth connection 3, in drive side door wiring harness
R96	Connection 3 in driver side door wiring harness
*	For models with additional lights
*2	Pre-wired component
*3	Optional equipment
*4	Different wire colour possible
*5	Cross section depends on equipment



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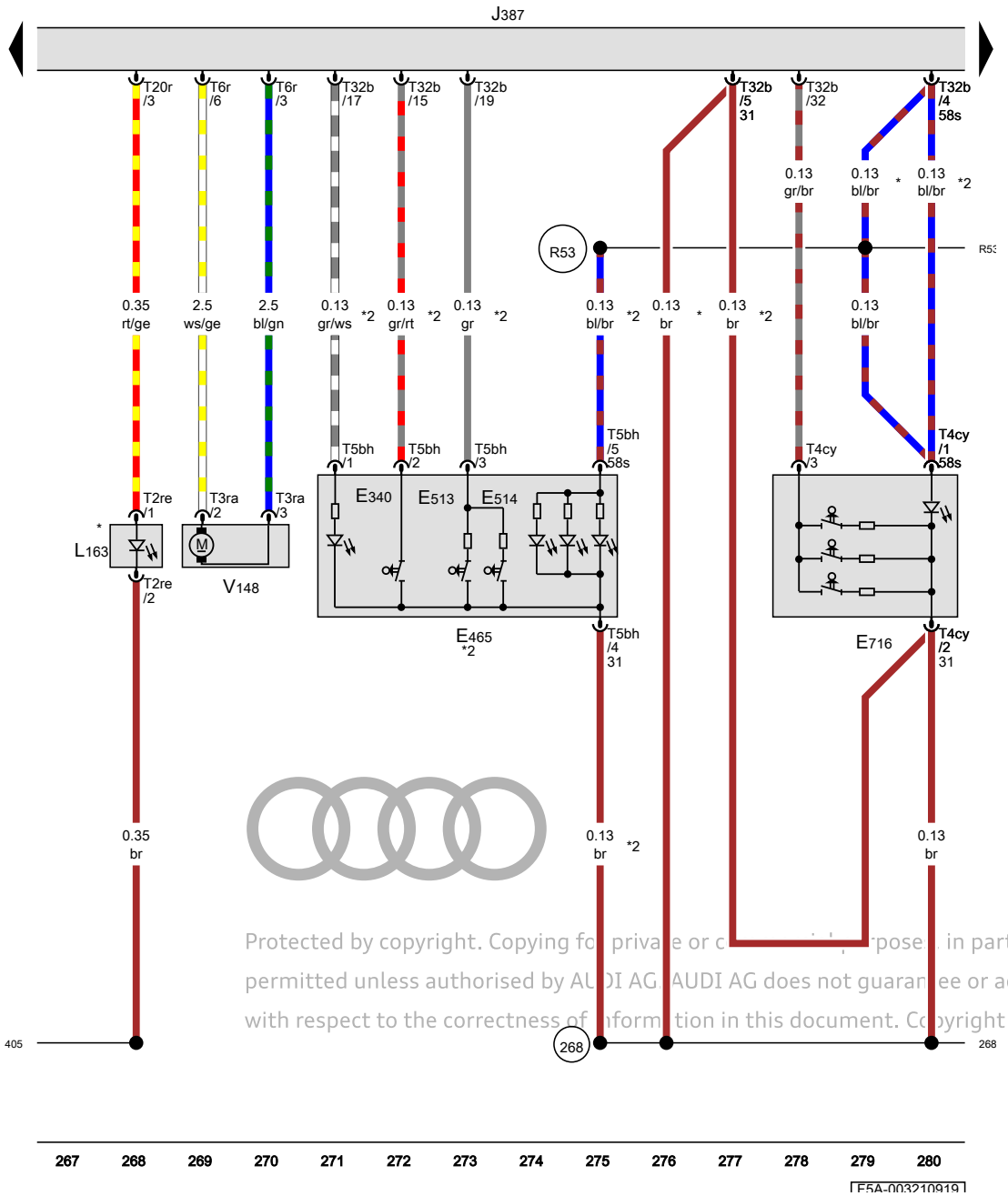
Front passenger door control unit, Front passenger door lock unit

F3	Front passenger door contact switch
F508	Passenger side central locking actuator
G606	Contact sensor for front right exterior door handle
J387	Front passenger door control unit
T2rb	2-pin connector, black
T6a	6-pin connector, black
T20r	20-pin connector, white
VX22	Front passenger door lock unit
V162	Front passenger door central locking SAFELOCK function motor
V504	Central locking motor on front passenger side
47	Earth point, in front right footwell
206	Earth connection, in front passenger door wiring harness
405	Earth connection 4, in front passenger side door wiring harness
*	Optional equipment
*2	Different wire colour possible



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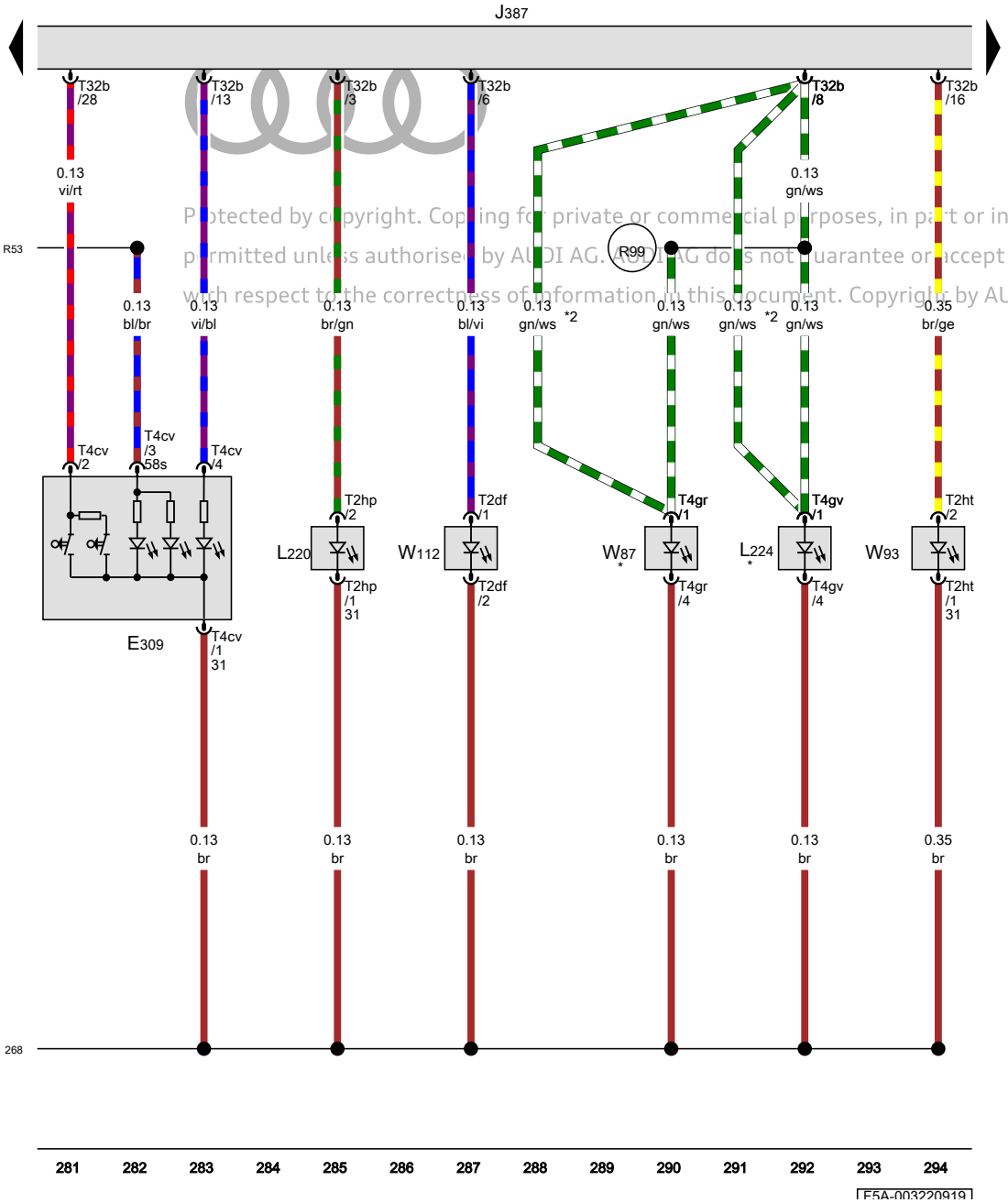
Front passenger operating unit for memory settings, Front passenger side window regulator button, Front passenger door control unit, Front passenger side window regulator motor

E340	Front passenger seat memory function button
E465	Front passenger operating unit for memory settings
E513	Seat memory position button 1 in front passenger door
E514	Seat memory position button 2 in front passenger door
E716	Front passenger side window regulator button
J387	Front passenger door control unit
L163	Front right exterior door handle illumination bulb
T2re	2-pin connector, colourless
T3ra	3-pin connector, blue
T4cy	4-pin connector, brown
T5bh	5-pin connector, black
T6r	6-pin connector, black
T20r	20-pin connector, white
T32b	32-pin connector, blue
V148	Front passenger side window regulator motor
268	Earth connection 2, in front passenger side door wiring harness
405	Earth connection 4, in front passenger side door wiring harness
R53	Connection (58s), in driver side door wiring harness
*	Optional equipment
*2	According to equipment



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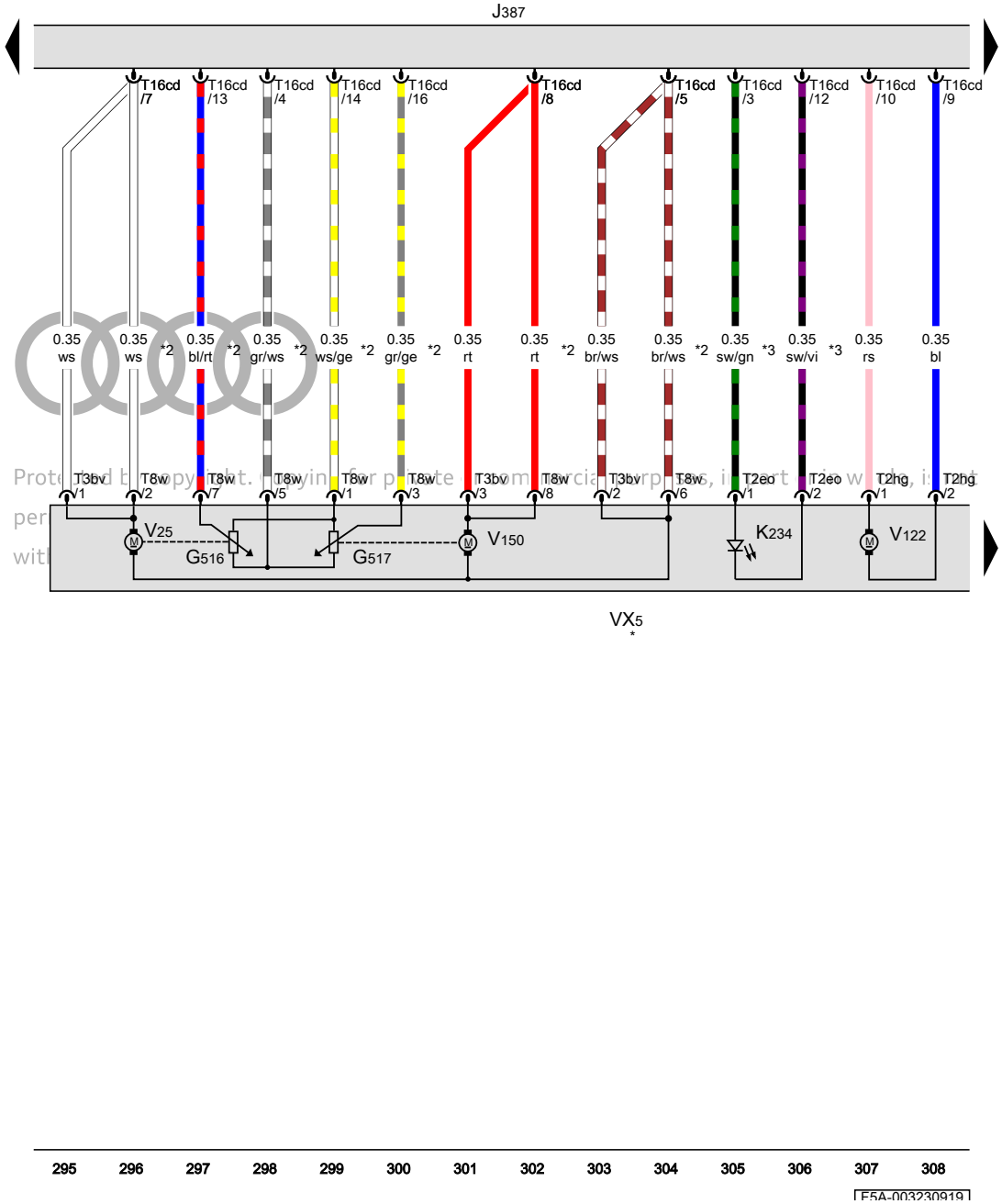
Front passenger side interior locking button for central locking system, Front passenger door control unit, Light for passenger side interior door handle illumination, Light for passenger side door loudspeaker trim, Light for passenger door background lighting, Passenger side entry light, Exit warning lamp, front passenger side

E309	Front passenger side interior locking button for central locking system
J387	Front passenger door control unit
L220	Light for passenger side interior door handle illumination
L224	Light for passenger side door loudspeaker trim
T2df	2-pin connector, black
T2hp	2-pin connector, brown
T2ht	2-pin connector, black
T4cv	4-pin connector, brown
T4gr	4-pin connector, brown
T4gv	4-pin connector, brown
T32b	32-pin connector, blue
W87	Light for passenger door background lighting
W93	Passenger side entry light
W112	Exit warning lamp, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
R53	Connection (58s), in driver side door wiring harness
R99	Connection 2 in front passenger side door wiring harness
*	For models with additional lights
*2	According to equipment



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Front passenger door control unit, Passenger side exterior mirror

G516	Potentiometer for horizontal adjustment of front passenger side mirror
G517	Potentiometer for vertical adjustment of front passenger side mirror
J387	Front passenger door control unit
K234	Lane change assist warning lamp in passenger side exterior mirror
T2eo	2-pin connector, black
T2hg	2-pin connector, black
T3bv	3-pin connector, black
T8w	8-pin connector, black
T16cd	16-pin connector, white
VX5	Passenger side exterior mirror
V25	Front passenger side mirror adjustment motor 2
V122	Front passenger side fold-in mirror motor
V150	Front passenger side mirror adjustment motor
*	According to equipment
*2	For models with electric seat adjustment and memory function
*3	For models with lane change assist

ws	=	white
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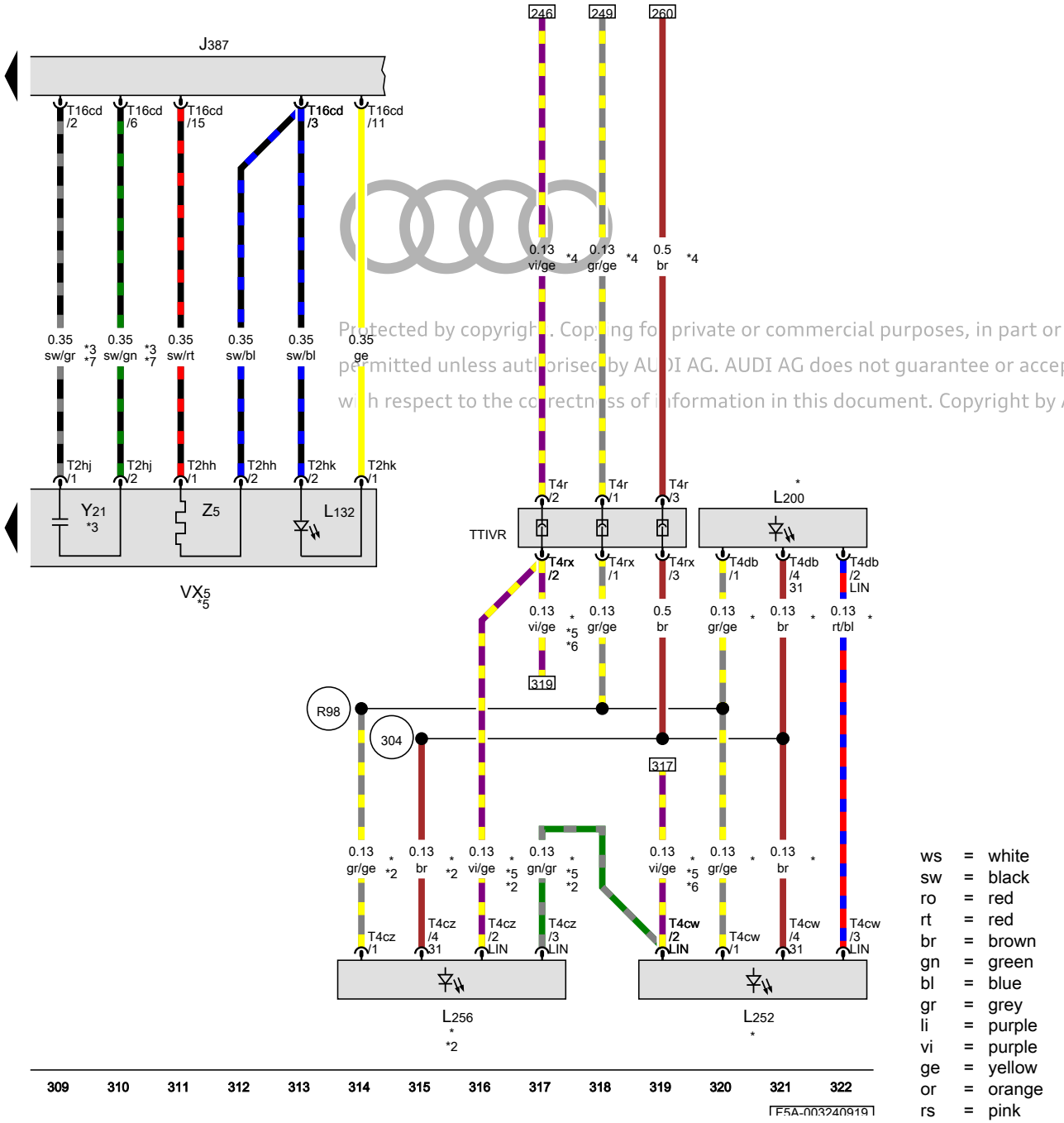

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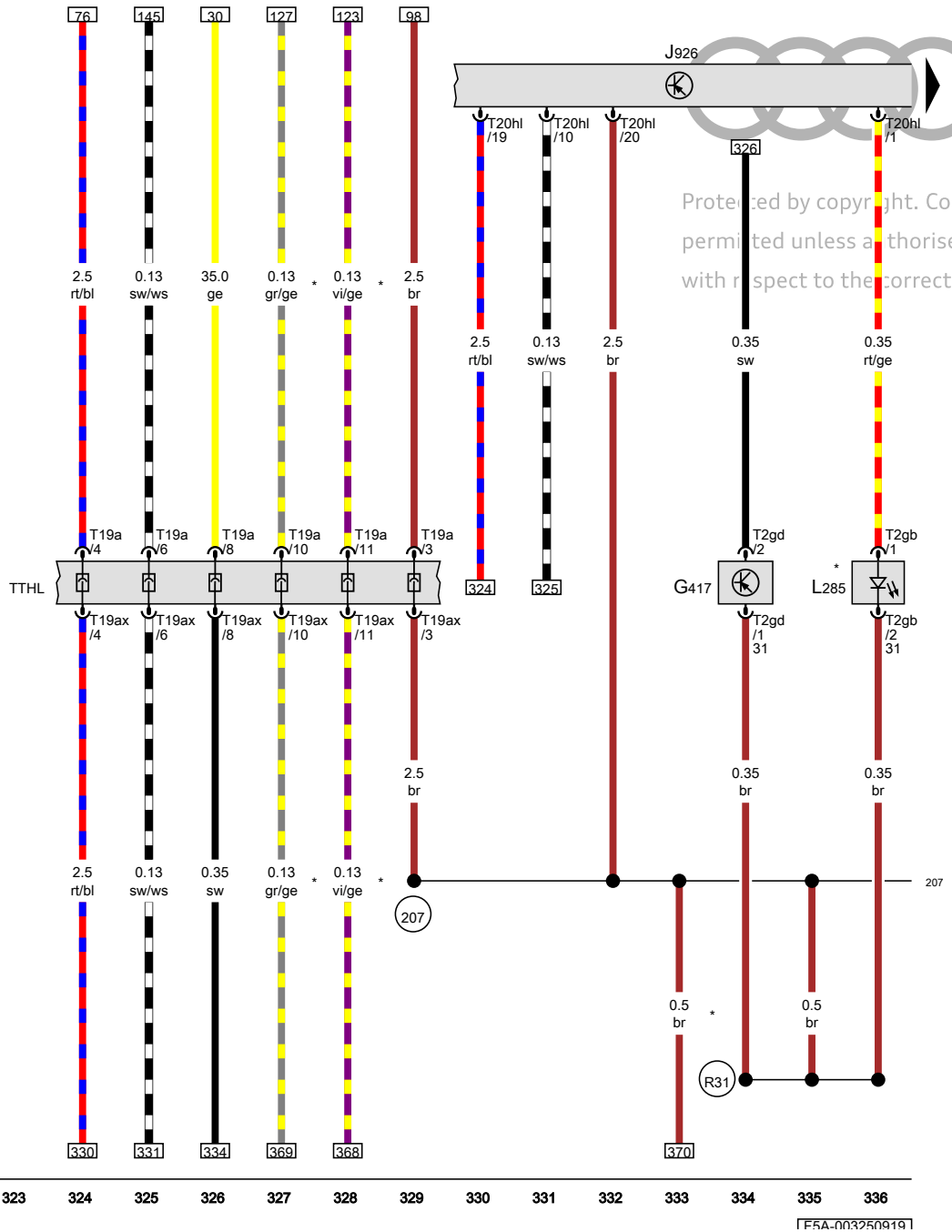
or = orange
rs = pink

Front passenger door control unit, Light 1 for front right door background lighting, Light for front right door contour lighting, Light for right door storage compartment illumination, Coupling point in front right door, Passenger side exterior mirror

J387	Front passenger door control unit
L132	Front passenger side turn signal repeater bulb
L200	Light 1 for front right door background lighting
L252	Light for front right door contour lighting
L256	Light for right door storage compartment illumination
T2hh	2-pin connector, black
T2hj	2-pin connector, black
T2hk	2-pin connector, brown
T4cw	4-pin connector, black
T4cz	4-pin connector, black
T4db	4-pin connector, red
T4r	4-pin connector, black
T4rx	4-pin connector, black
T16cd	16-pin connector, white
TTIVR	Coupling point in front right door
VX5	Passenger side exterior mirror
Y21	Automatic anti-dazzle exterior mirror, passenger side
Z5	Heated exterior mirror on passenger side
304	Earth connection 3, in front passenger side door wiring harness
R98	Connection 1 in front passenger side door wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	If fitted
*4	Optional equipment
*5	According to equipment
*6	From October 2019
*7	For models with automatic anti-dazzle exterior mirror



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Contact sensor for rear left exterior door handle, Rear driver side door control unit, Light for rear exterior door handle illumination, driver side, Coupling point for rear left door

G417	Contact sensor for rear left exterior door handle
J926	Rear driver side door control unit
L285	Light for rear exterior door handle illumination, driver side
T2gb	2-pin connector, colourless
T2gd	2-pin connector, black
T19a	19-pin connector, black
T19ax	19-pin connector, black
T20hl	20-pin connector, white
TTHL	Coupling point for rear left door
207	Earth connection, in rear left door wiring harness
R31	Connection 1, in rear left door wiring harness
*	Optional equipment

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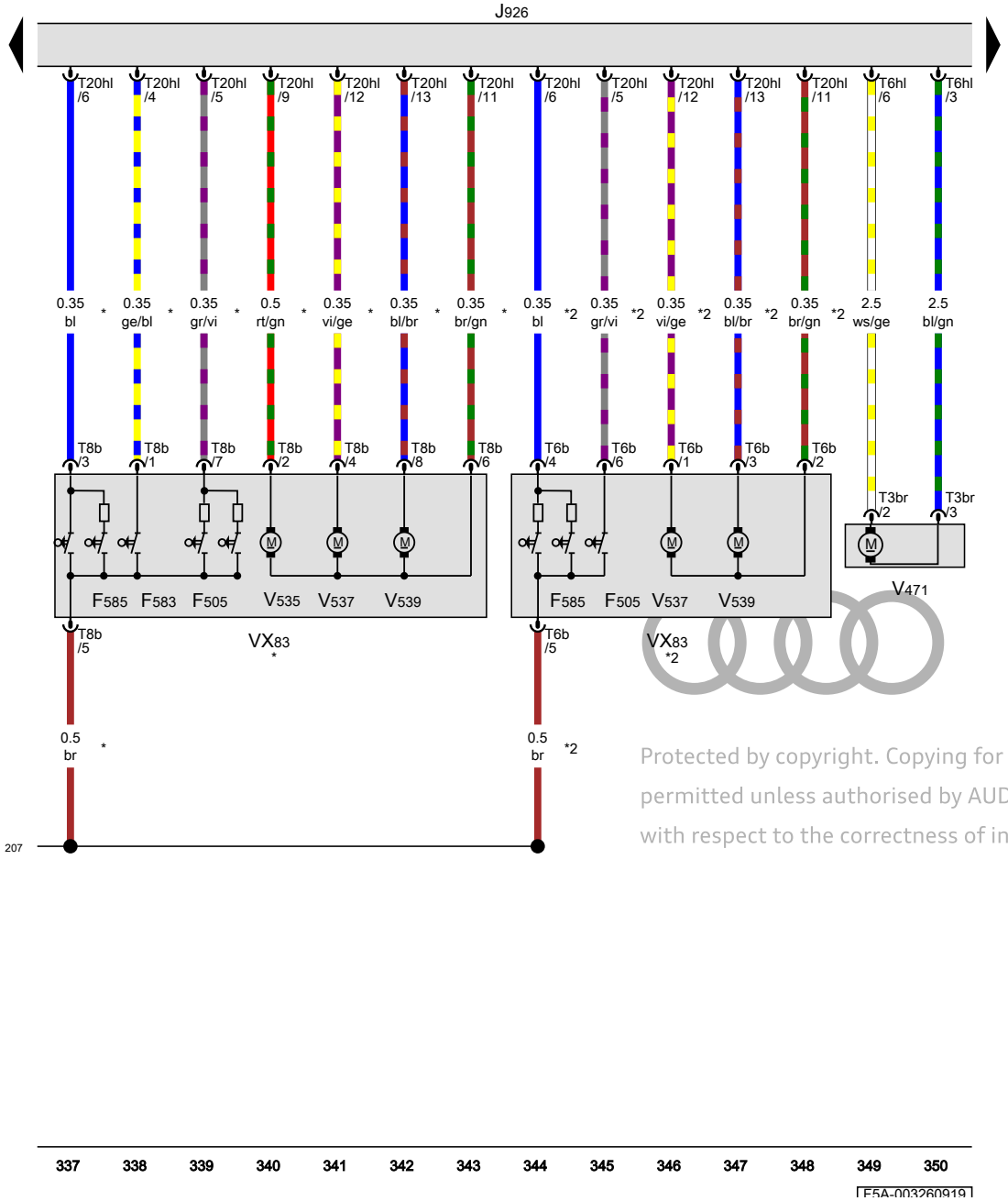

Rear driver side door control unit, Rear door lock unit, driver side, Rear driver side window regulator motor

F505	Rear door contact switch, driver side
F583	Rear childproof lock contact switch, driver side
F585	Rear contact switch in lock cylinder, driver side
J926	Rear driver side door control unit
T3br	3-pin connector, brown
T6b	6-pin connector, black
T6hl	6-pin connector, black
T8b	8-pin connector, black
T20hl	20-pin connector, white
VX83	Rear door lock unit, driver side
V471	Rear driver side window regulator motor
V535	Rear childproof lock motor, driver side
V537	Rear central locking SAFELOCK function motor, driver side
V539	Rear central locking motor, driver side
207	Earth connection, in rear left door wiring harness
*	For models with childproof locks
*2	For models with no childproof locks

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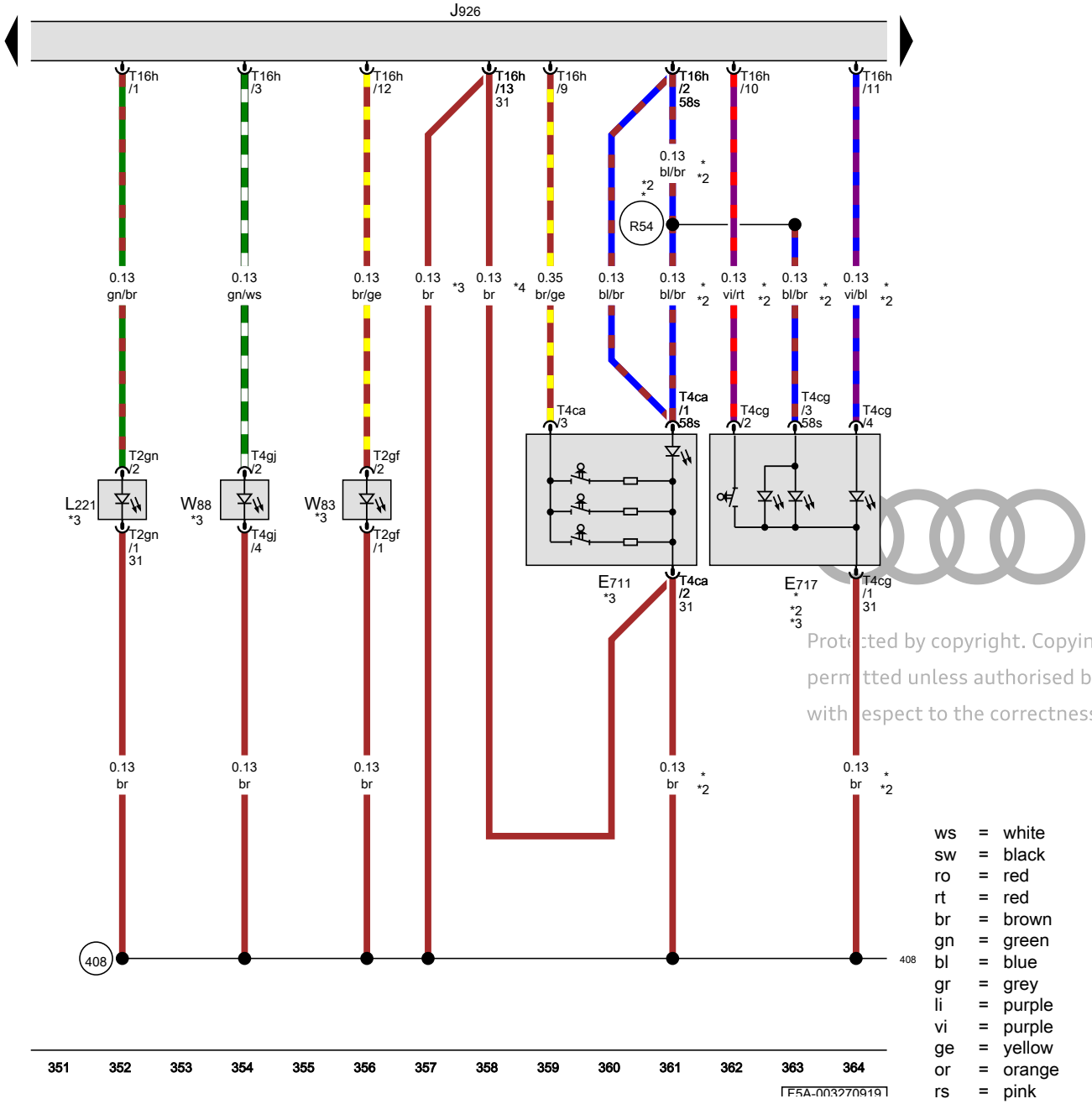
ge	=	yellow
or	=	orange
rs	=	pink



Rear driver side window regulator button, Rear driver side interior locking button for central locking system, Rear driver side door control unit, Light for rear driver side interior door handle illumination, Light for rear door background lighting, driver side

E711	Rear driver side window regulator button
E717	Rear driver side interior locking button for central locking system
J926	Rear driver side door control unit
L221	Light for rear driver side interior door handle illumination
T2gf	2-pin connector, black
T2gn	2-pin connector, black
T4ca	4-pin connector, brown
T4cg	4-pin connector, brown
T4gj	4-pin connector, brown
T16h	16-pin connector, black
W83	Rear driver side entry light
W88	Light for rear door background lighting, driver side
408	Earth connection 3, in rear left door wiring harness
R54	Connection (58s), in rear left door wiring harness
*	For American markets
*2	For models with equipment for China
*3	Optional equipment
*4	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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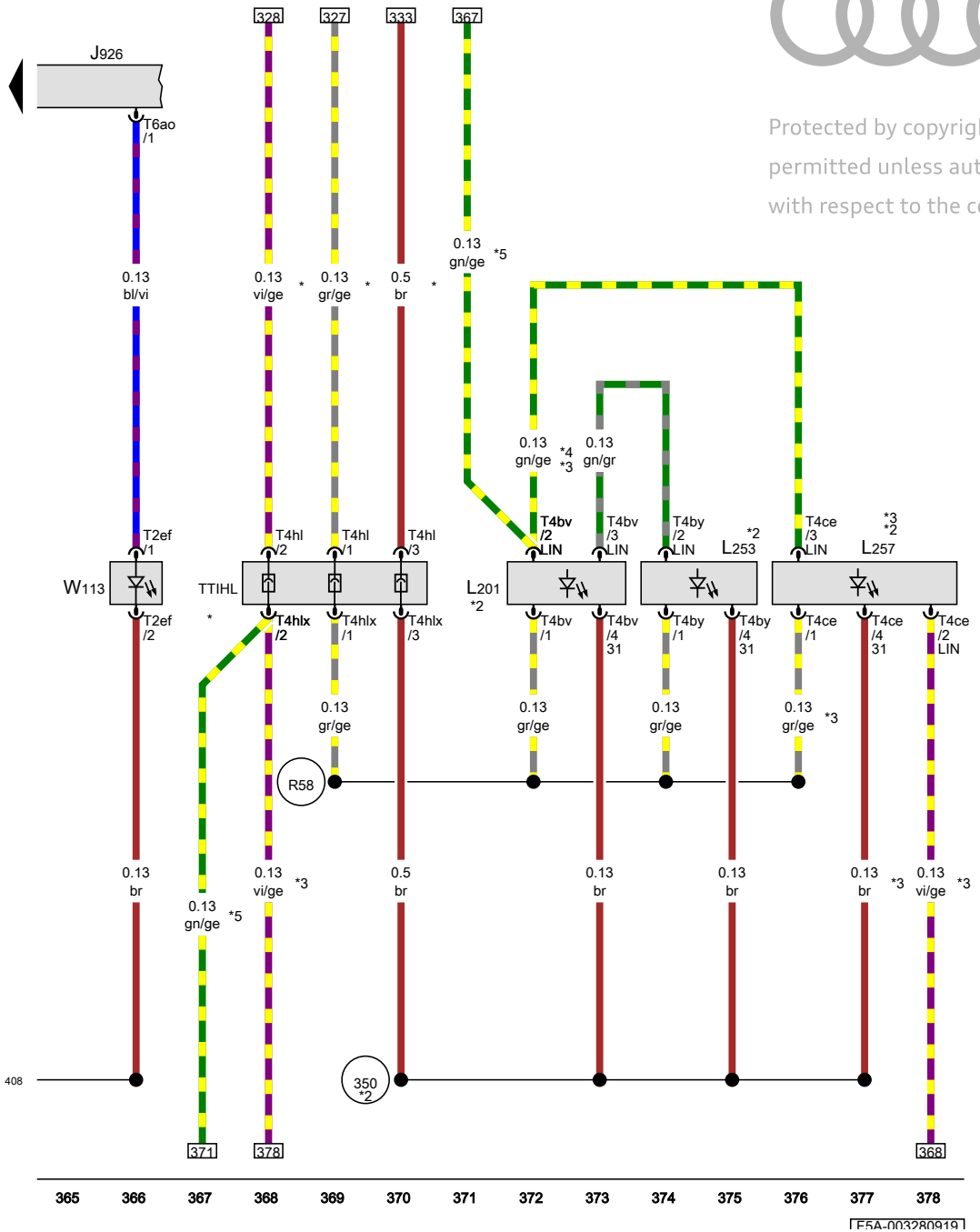

Rear driver side door control unit, Light 1 for rear left door background lighting, Light for rear left door contour lighting, Light for rear left door storage compartment illumination, Rear exit warning lamp, driver side

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J926	Rear driver side door control unit
L201	Light 1 for rear left door background lighting
L253	Light for rear left door contour lighting
L257	Light for rear left door storage compartment illumination
T2ef	2-pin connector, black
T4bv	4-pin connector, brown
T4by	4-pin connector, blue
T4ce	4-pin connector, red
T4hl	4-pin connector, black
T4hlx	4-pin connector, black
T6ao	6-pin connector, brown
TTIHL	Coupling point in rear left door
W113	Rear exit warning lamp, driver side
350	Earth connection 2, in rear left door wiring harness
408	Earth connection 3, in rear left door wiring harness
R58	Connection (entry light), in rear left door wiring harness
*	Optional equipment
*2	For models with additional lights
*3	Up to September 2019
*4	Different wire colour possible
*5	From October 2019

ws	=	white
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ro	=	red
rt	=	red
br	=	brown
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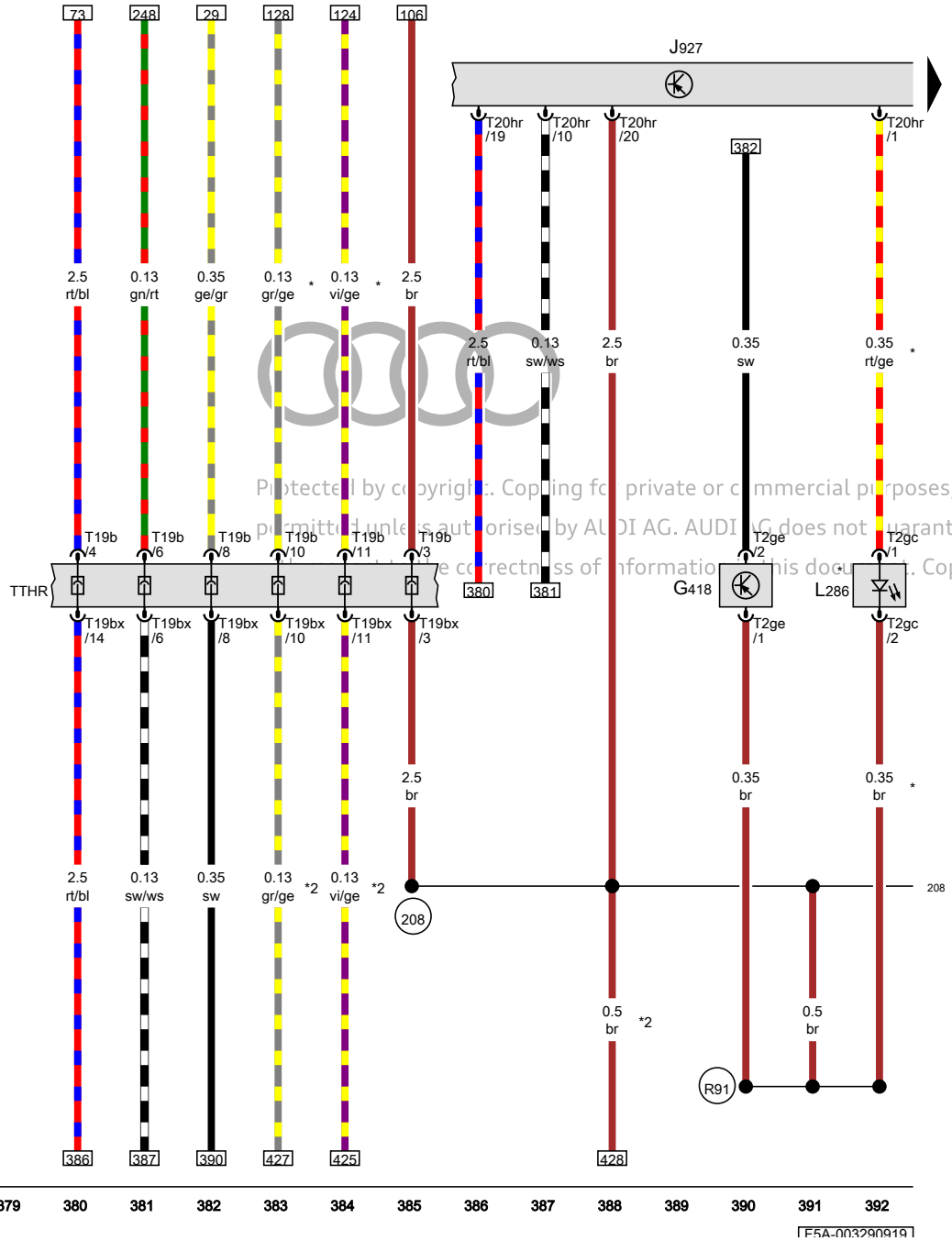

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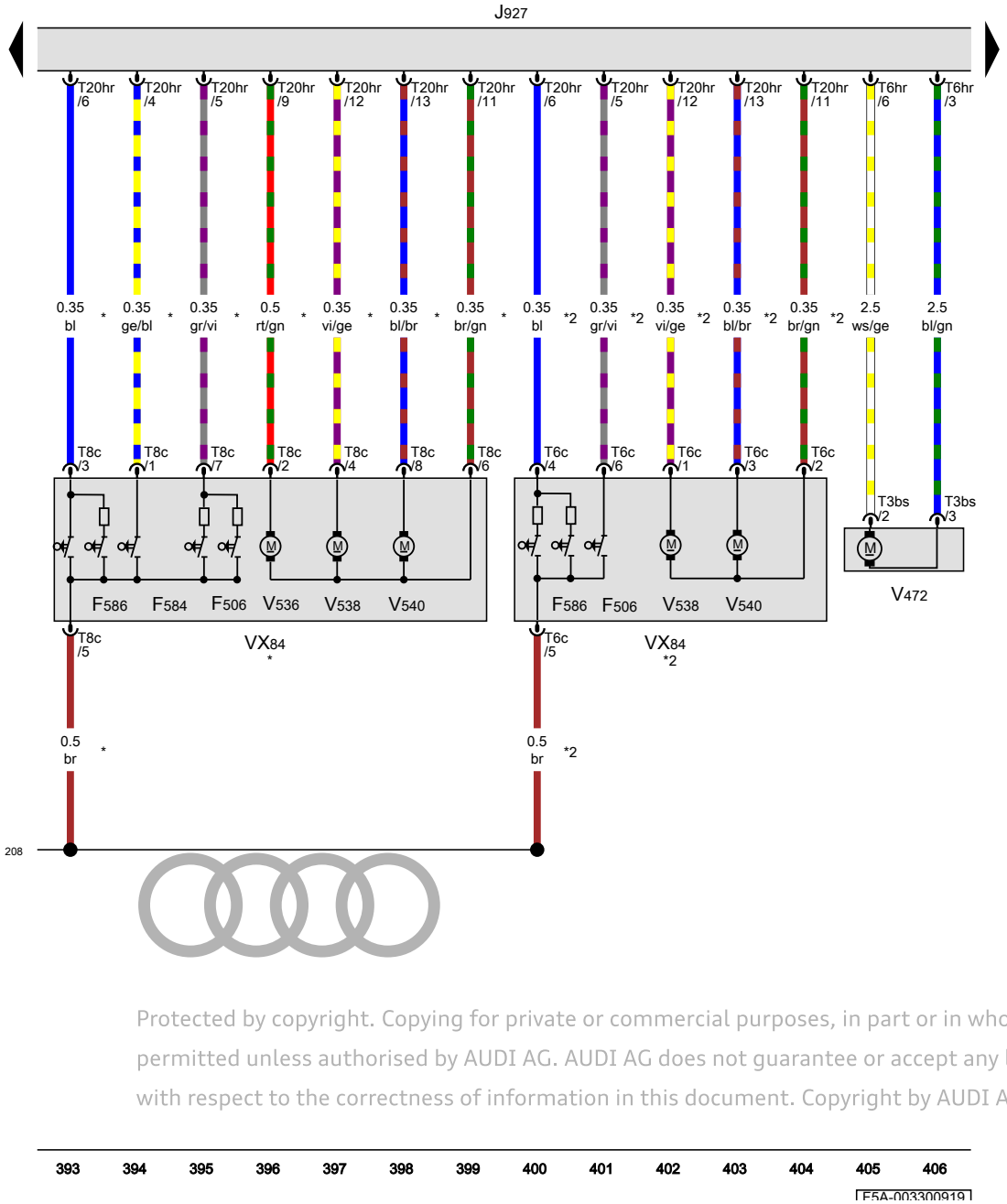
Contact sensor for rear right exterior door handle, Rear passenger side door control unit, Light for rear exterior door handle illumination, passenger side

G418	Contact sensor for rear right exterior door handle
J927	Rear passenger side door control unit
L286	Light for rear exterior door handle illumination, passenger side
T2gc	2-pin connector, colourless
T2ge	2-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T20hr	20-pin connector, white
TTHR	Coupling point for rear right door
208	Earth connection, in rear right door wiring harness
R91	Connection 3, in rear right door wiring harness
*	Optional equipment
*2	For models with additional lights



Rear door contact switch, passenger side, Rear childproof lock contact switch, passenger side, Rear passenger side door control unit, Rear door lock unit, passenger side, Rear childproof lock motor, passenger side, Rear central locking SAFELOCK function motor, passenger side, Rear central locking motor, passenger side

F506	Rear door contact switch, passenger side
F584	Rear childproof lock contact switch, passenger side
F586	Rear contact switch in lock cylinder, passenger side
J927	Rear passenger side door control unit
T3bs	3-pin connector, blue
T6c	6-pin connector, black
T6hr	6-pin connector, black
T8c	8-pin connector, black
T20hr	20-pin connector, white
VX84	Rear door lock unit, passenger side
V472	Rear passenger side window regulator motor
V536	Rear childproof lock motor, passenger side
V538	Rear central locking SAFELOCK function motor, passenger side
V540	Rear central locking motor, passenger side
208	Earth connection, in rear right door wiring harness
*	For models with childproof locks
*2	For models with no childproof locks

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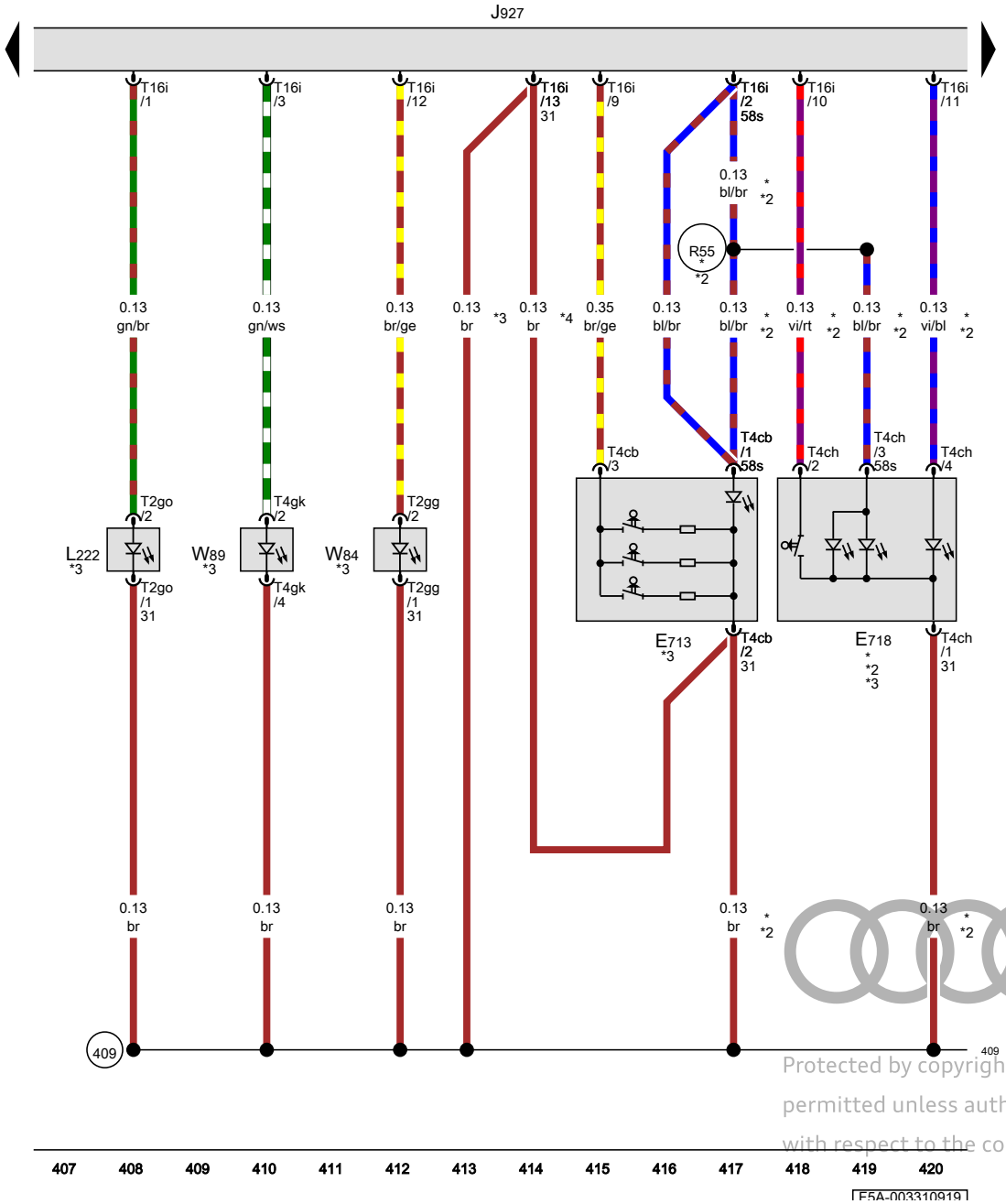

Rear passenger side window regulator button, Rear passenger side interior locking button for central locking system, Rear passenger side door control unit, Light for rear passenger side interior door handle illumination, Rear passenger side entry light, Light for rear door background lighting, passenger side

E713	Rear passenger side window regulator button
E718	Rear passenger side interior locking button for central locking system
J927	Rear passenger side door control unit
L222	Light for rear passenger side interior door handle illumination
T2gg	2-pin connector, black
T2go	2-pin connector, brown
T4cb	4-pin connector, brown
T4ch	4-pin connector, brown
T4gk	4-pin connector, black
T16i	16-pin connector, black
W84	Rear passenger side entry light
W89	Light for rear door background lighting, passenger side
409	Earth connection 3, in rear right door wiring harness
R55	Connection (58s), in rear right door wiring harness
*	For American markets
*2	For models with equipment for China
*3	Optional equipment
*4	According to equipment

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li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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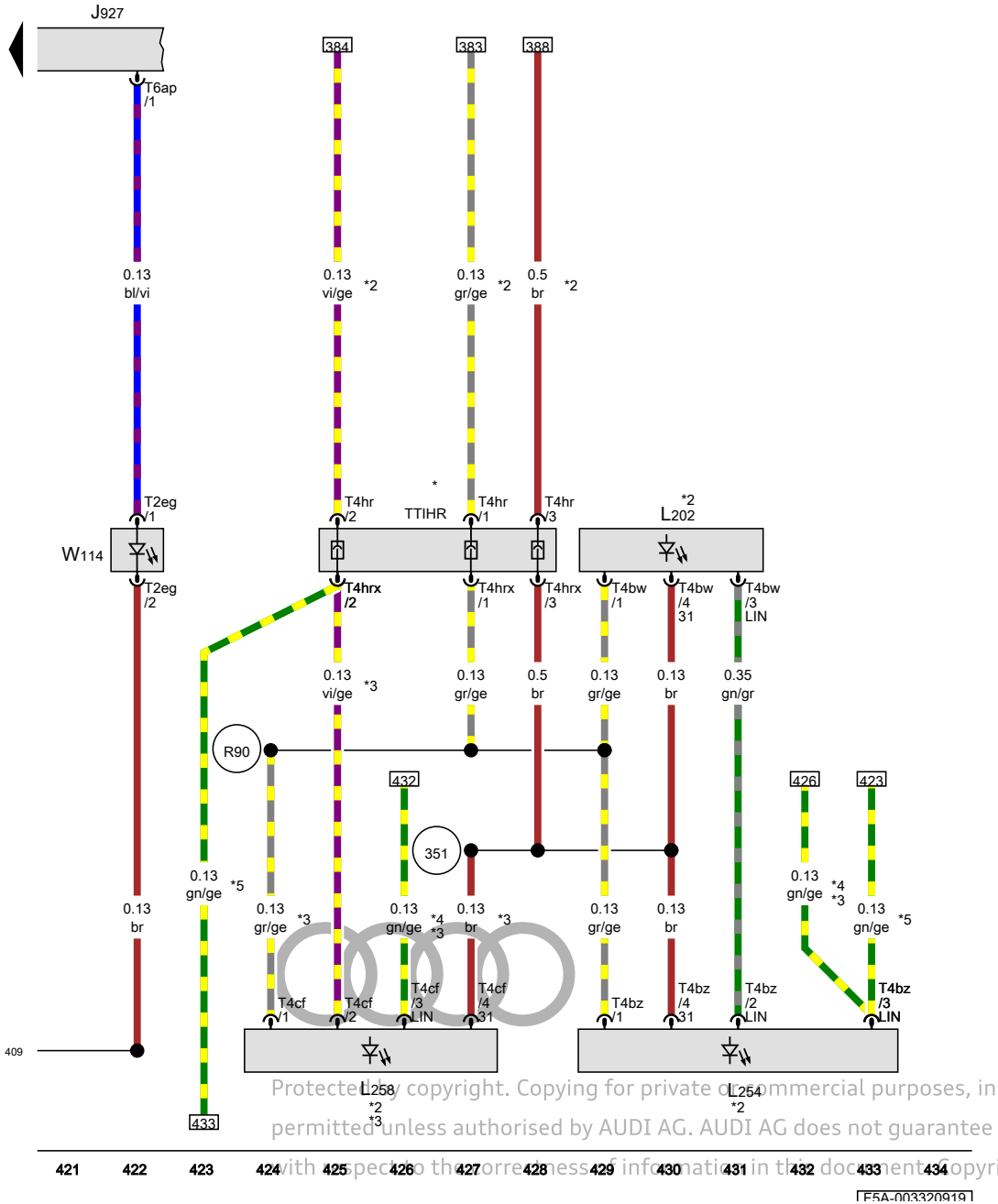

Rear passenger side door control unit, Light 1 for rear right door background lighting, Light for rear right door contour lighting, Light for rear right door storage compartment illumination, Rear exit warning lamp, passenger side

J927	Rear passenger side door control unit
L202	Light 1 for rear right door background lighting
L254	Light for rear right door contour lighting
L258	Light for rear right door storage compartment illumination
T2eg	2-pin connector, black
T4bw	4-pin connector, black
T4bz	4-pin connector, black
T4cf	4-pin connector, red
T4hr	4-pin connector, black
T4hrx	4-pin connector, black
T6ap	6-pin connector, brown
TTIHR	Coupling point in rear right door
W114	Rear exit warning lamp, passenger side
351	Earth connection 2, in rear right door wiring harness
409	Earth connection 3, in rear right door wiring harness
R90	Connection 1, in rear right door wiring harness
*	Optional equipment
*2	For models with additional lights
*3	Up to September 2019
*4	Different wire colour possible
*5	From October 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
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Convenience system, right-hand drive , (L0R)

From July 2016

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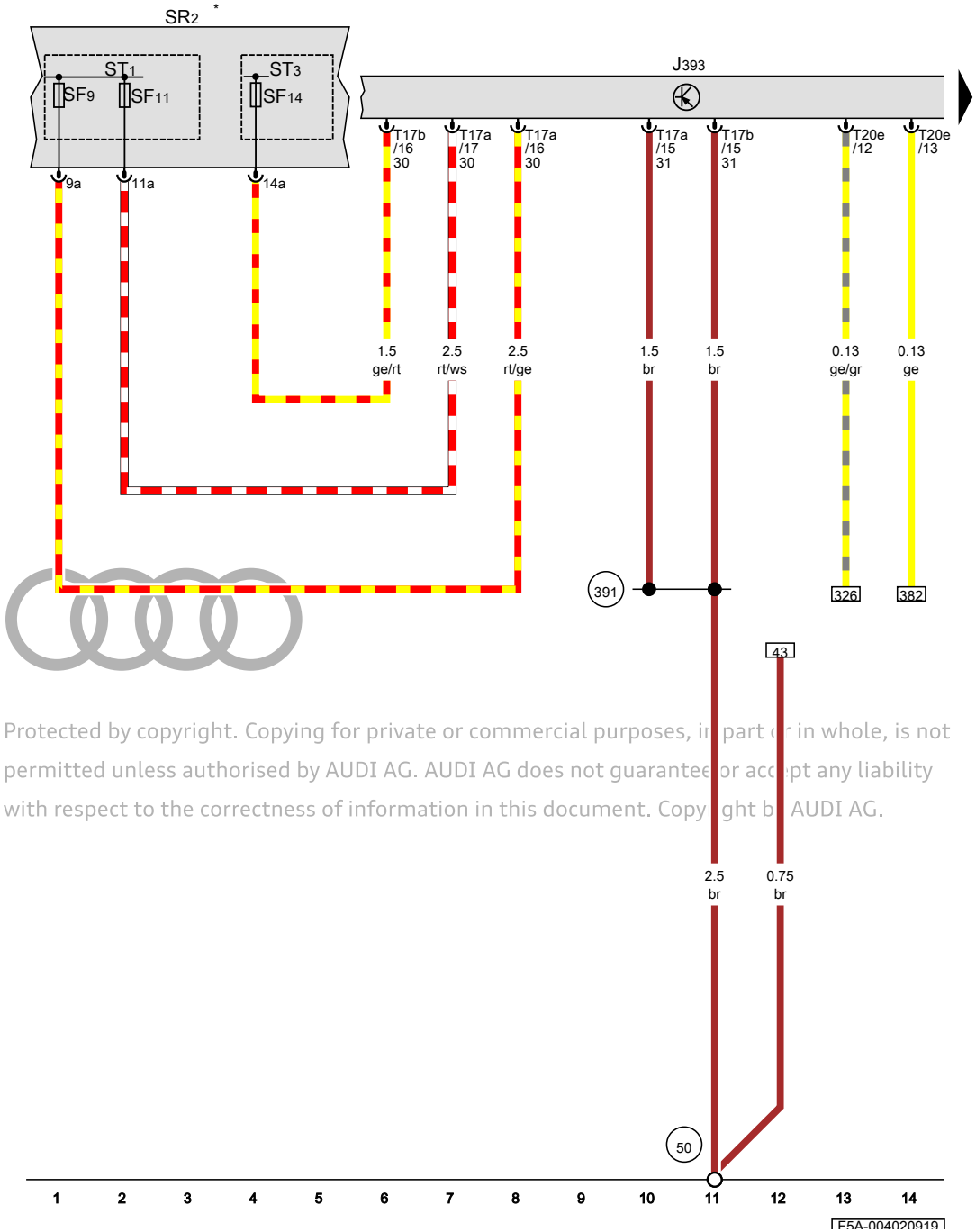

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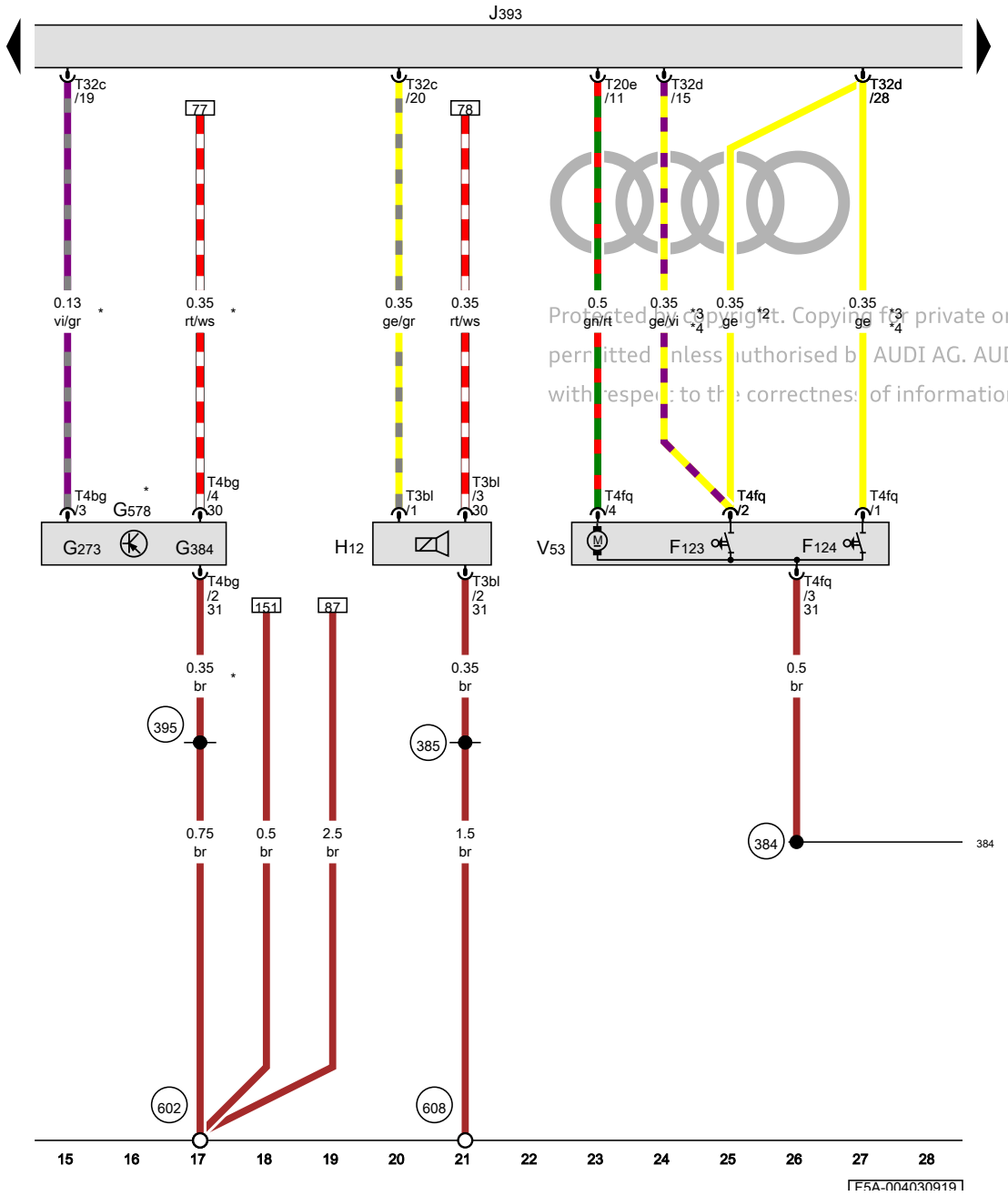
Convenience system central control unit, Relay and fuse carrier 2

J393	Convenience system central control unit, behind left side trim in luggage compartment
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
ST3	Fuse carrier 3, brown
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
T20e	20-pin connector, black
50	Earth point, on left in luggage compartment
391	Earth connection 26, in main wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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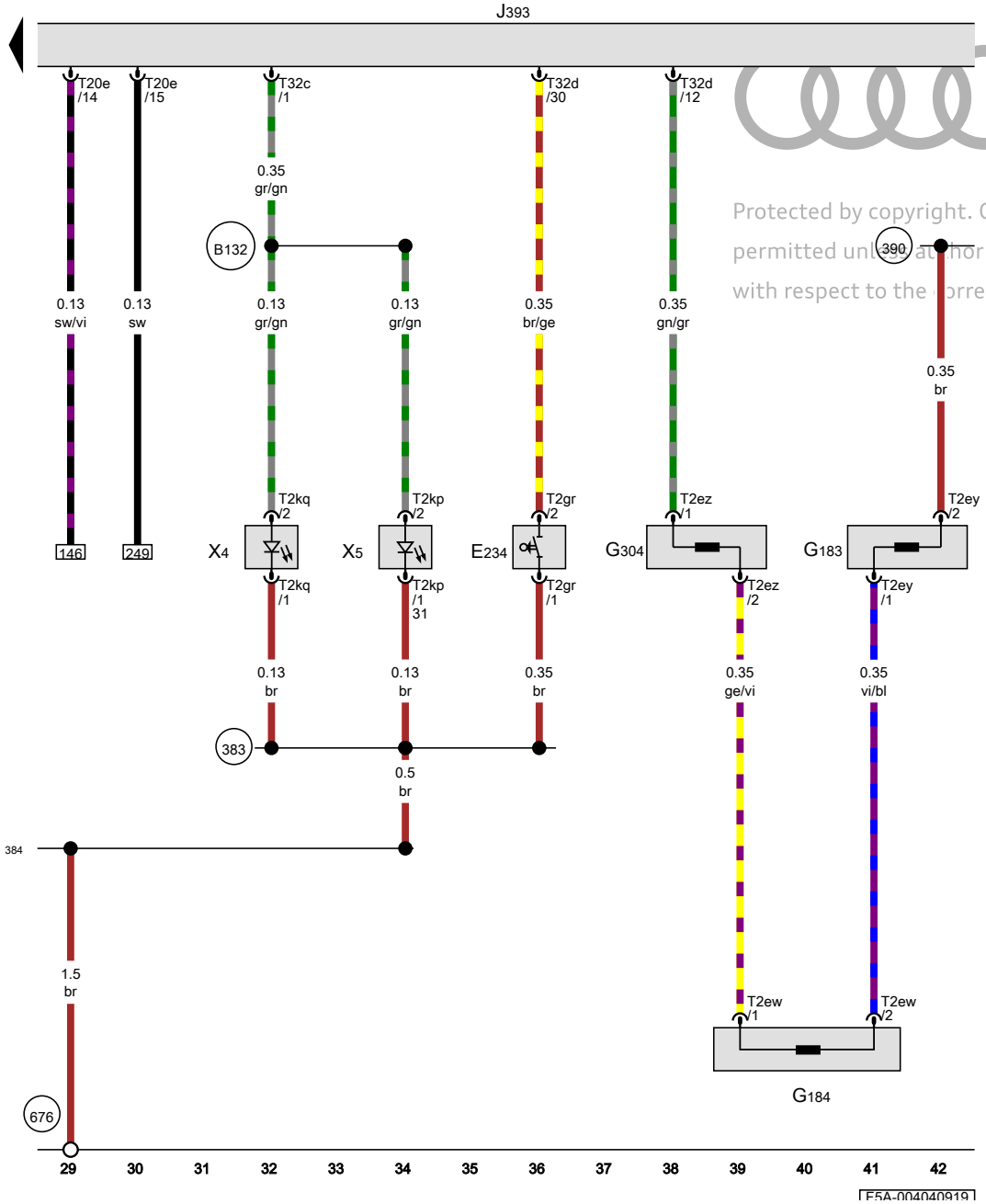
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Interior monitoring sensor, Vehicle inclination sender, Anti-theft alarm sensor, Alarm horn, Convenience system central control unit, Rear lid central locking motor

F123	Rear lid contact switch for anti-theft alarm
F124	Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
G273	Interior monitoring sensor
G384	Vehicle inclination sender
G578	Anti-theft alarm sensor
H12	Alarm horn
J393	Convenience system central control unit, behind left side trim in luggage compartment
T3bl	3-pin connector, black
T4bg	4-pin connector, black
T4fq	4-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
V53	Rear lid central locking motor
384	Earth connection 19, in main wiring harness
385	Earth connection 20, in main wiring harness
395	Earth connection 30, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
*	Anti-theft alarm system with interior monitoring
*2	For models with no electric rear lid opener
*3	For models with electric rear lid opener
*4	For models with power latching for rear lid

Rear lid handle release button, Convenience system central control unit, Left number plate light, Right number plate light



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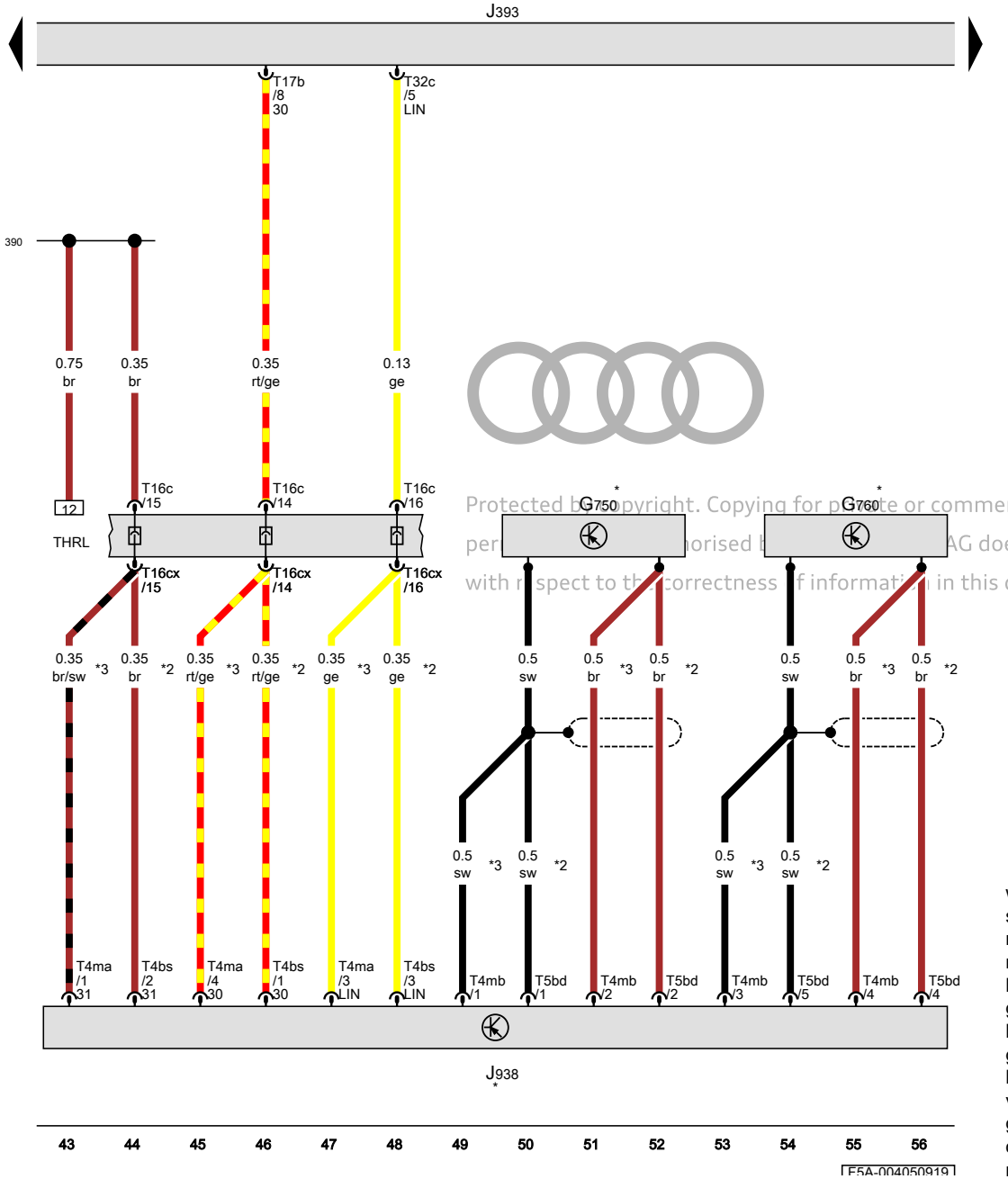
E234	Rear lid handle release button
G183	Rear left side window glass breakage sensor
G184	Rear right side window glass breakage sensor
G304	Glass breakage sensor for rear window
J393	Convenience system central control unit, behind left side trim in luggage compartment
T2ew	2-pin connector, black
T2ey	2-pin connector, black
T2ez	2-pin connector, black
T2gr	2-pin connector, black
T2kp	2-pin connector, black
T2kq	2-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
X4	Left number plate light
X5	Right number plate light
383	Earth connection 18, in main wiring harness
384	Earth connection 19, in main wiring harness
390	Earth connection 25, in main wiring harness
676	Earth point 2, on left in luggage compartment
B132	Connection (number plate lights), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear lid power opening sender, Rear lid power opening sender 2, Convenience system central control unit, Rear lid power opening control unit

G750	Rear lid power opening sender, in rear bumper
G760	Rear lid power opening sender 2, in rear bumper
J393	Convenience system central control unit, behind left side trim in luggage compartment
J938	Rear lid power opening control unit
T4bs	4-pin connector, black
T4ma	4-pin connector, black
T4mb	4-pin connector, black
T5bd	5-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, black
THRL	Coupling point in luggage compartment, left
390	Earth connection 25, in main wiring harness
*	Optional equipment
*2	Up to September 2019
*3	From October 2019

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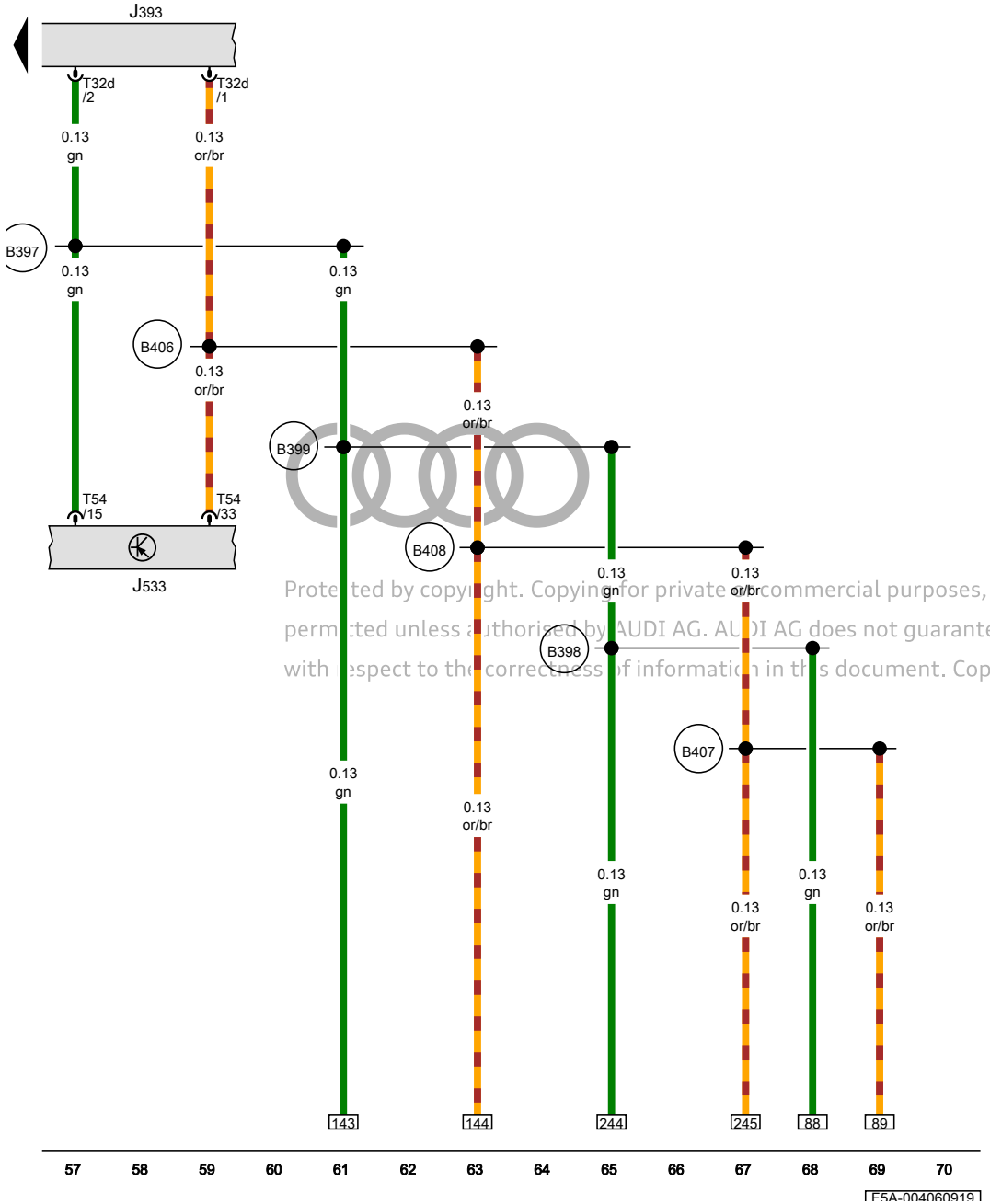
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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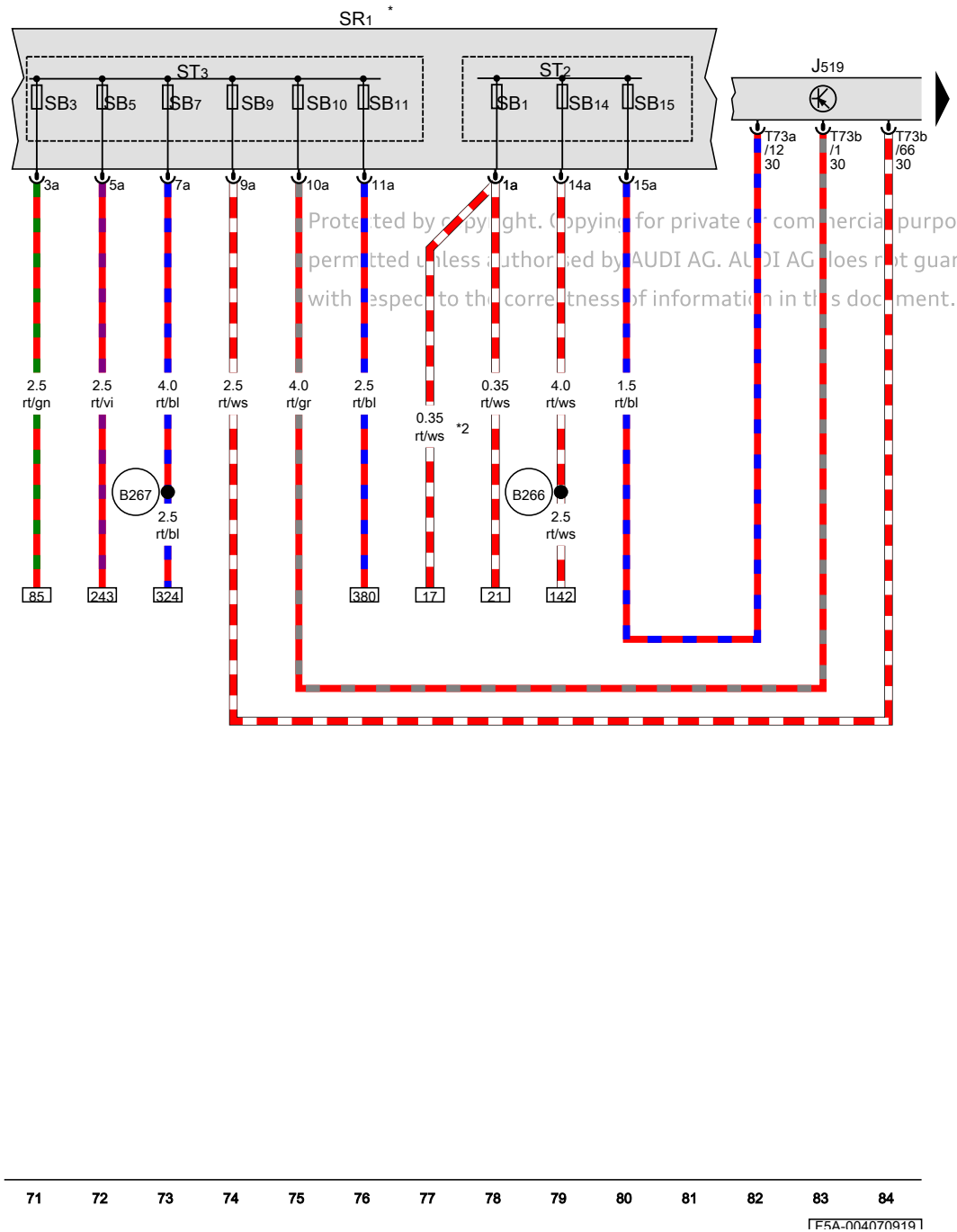
Convenience system central control unit

J393	Convenience system central control unit, behind left side trim in luggage compartment
J533	Data bus diagnostic interface
T32d	32-pin connector, blue
T54	54-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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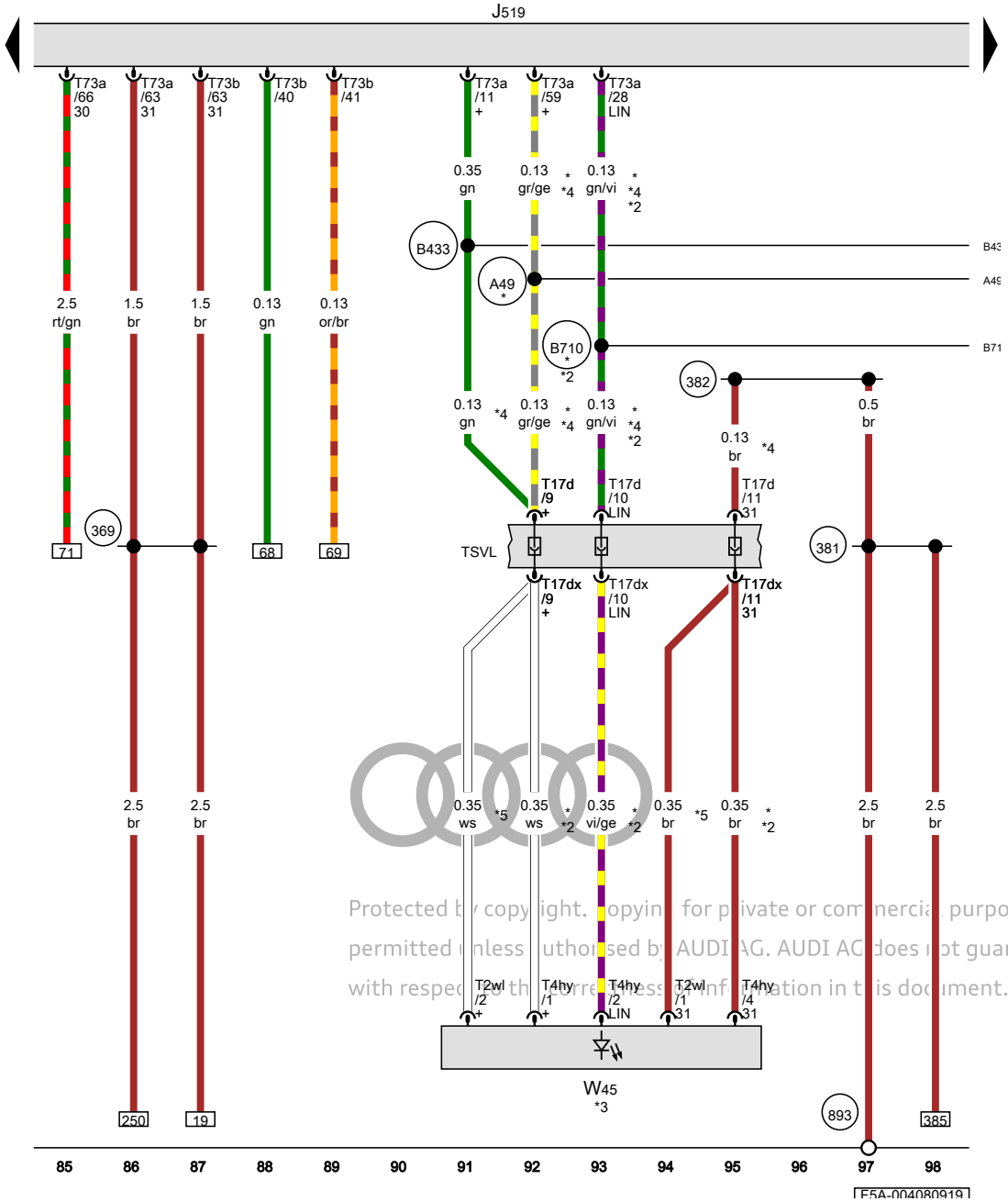
Onboard supply control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
ST3	Fuse carrier 3, black
SB5	Fuse 5 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
T73a	73-pin connector, black
T73b	73-pin connector, black
B266	Positive connection 1 (30a, door control unit), in interior wiring harness
B267	Positive connection 2 (30a, door control unit), in interior wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Anti-theft alarm system with interior monitoring

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, Rear left footwell light

J519	Onboard supply control unit
T2wl	2-pin connector, brown
T4hy	4-pin connector, brown
T17d	17-pin connector, red
T17dx	17-pin connector, red
T73a	73-pin connector, black
T73b	73-pin connector, black
TSVL	Coupling point for front left seat
W45	Rear left footwell light
369	Earth connection 4, in main wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
A49	Connection 1, in dash panel wiring harness
B433	Connection (footwell light), in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	Optional equipment
*2	Up to September 2019
*3	For models with additional lights
*4	Cross section depends on equipment
*5	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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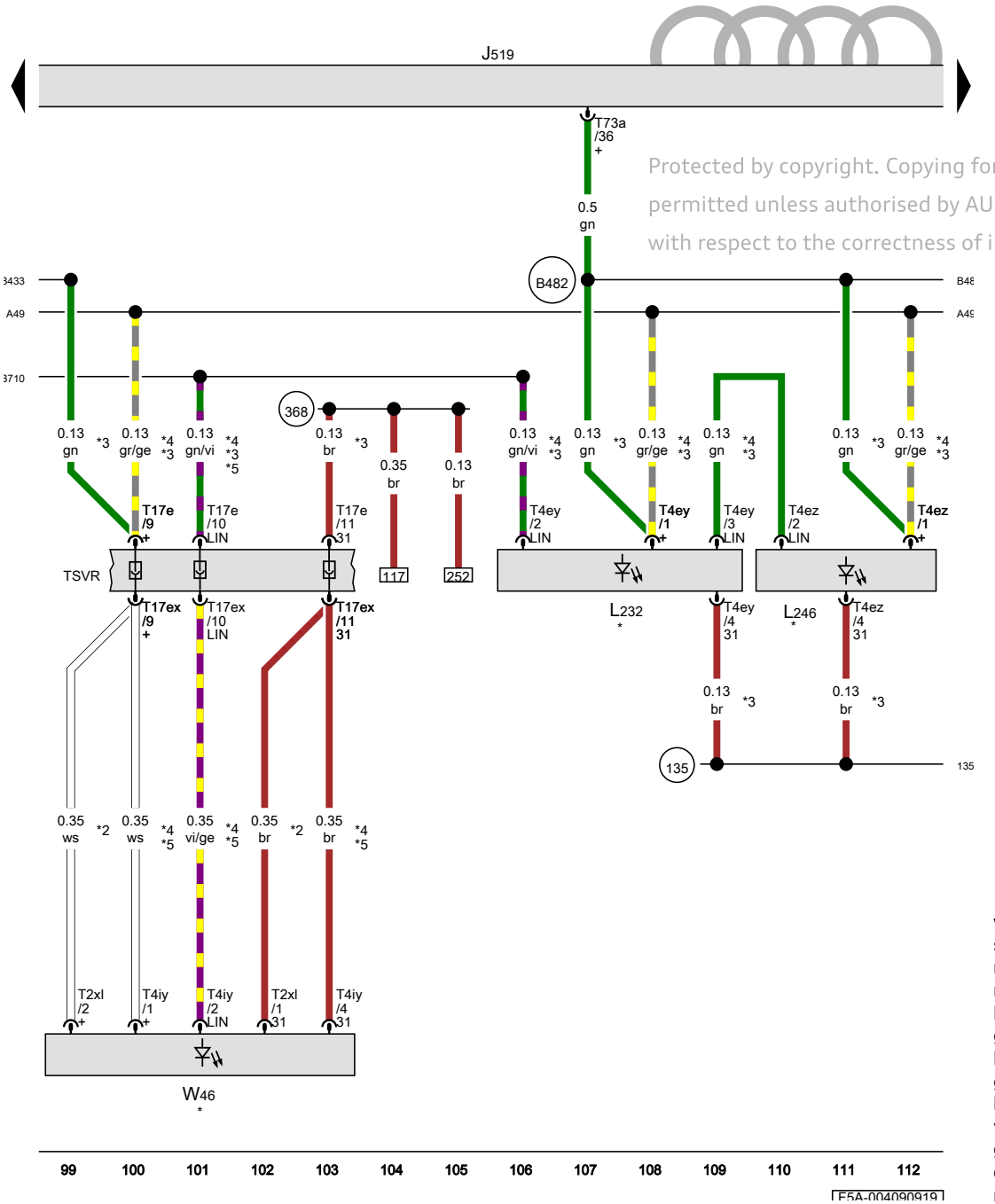

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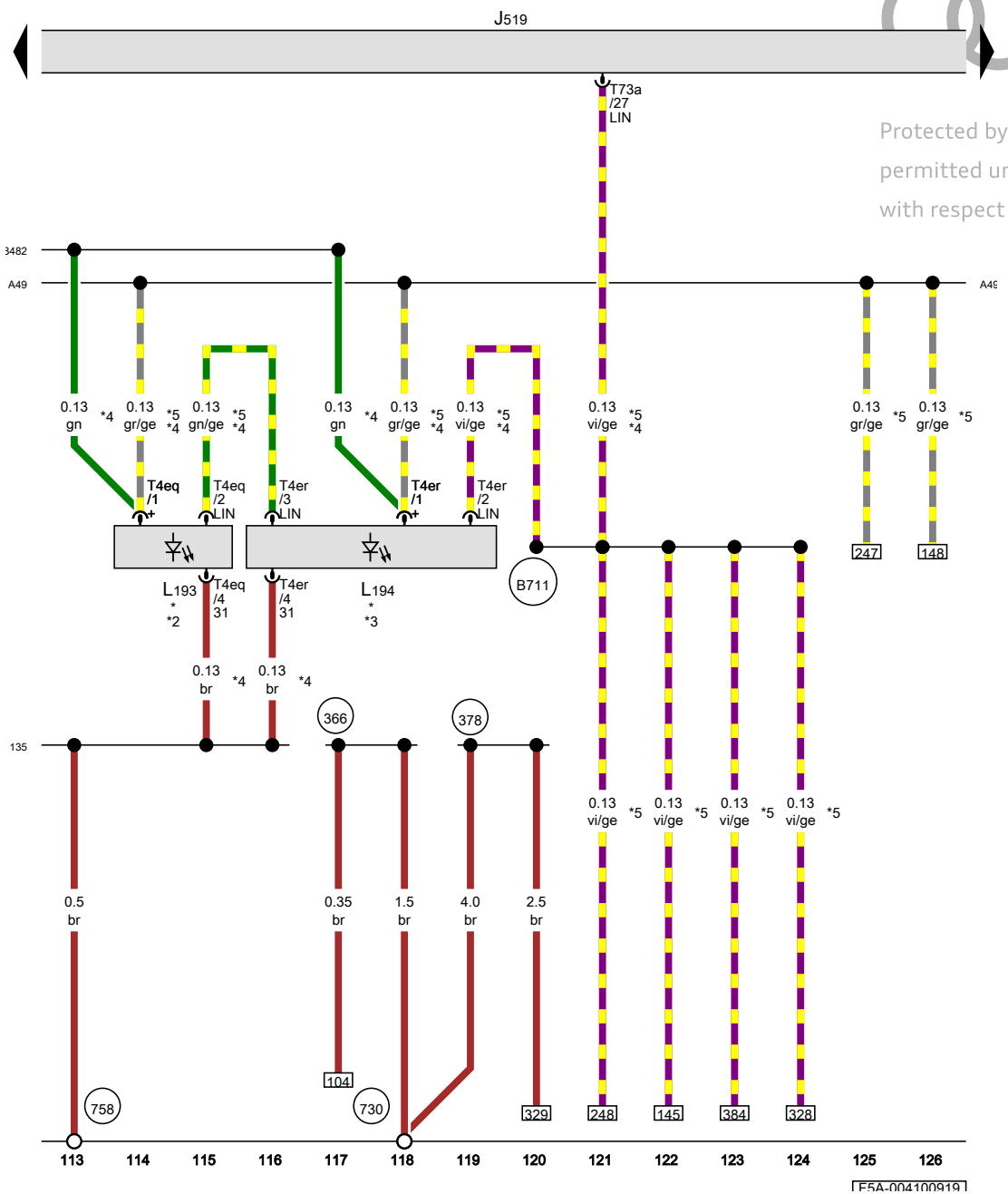
Onboard supply control unit, Light for cup holder background lighting, Light 2 for cup holder background lighting, Rear right footwell light

J519	Onboard supply control unit
L232	Light for cup holder background lighting
L246	Light 2 for cup holder background lighting
T2xl	2-pin connector, brown
T4ey	4-pin connector, brown
T4ez	4-pin connector, brown
T4iy	4-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
T73a	73-pin connector, black
TSVR	Coupling point for front right seat
W46	Rear right footwell light
135	Earth connection 2, in dash panel wiring harness
368	Earth connection 3, in main wiring harness
A49	Connection 1, in dash panel wiring harness
B433	Connection (footwell light), in main wiring harness
B482	Connection 18, in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	For models with additional lights
*2	According to equipment
*3	Cross section depends on equipment
*4	Optional equipment
*5	Up to September 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, Light 1 for front centre console background lighting, Light 2 for front centre console background lighting

J519 Onboard supply control unit
L193 Light 1 for front centre console background lighting
L194 Light 2 for front centre console background lighting
T4eq 4-pin connector, black
T4er 4-pin connector, black
T73a 73-pin connector, black

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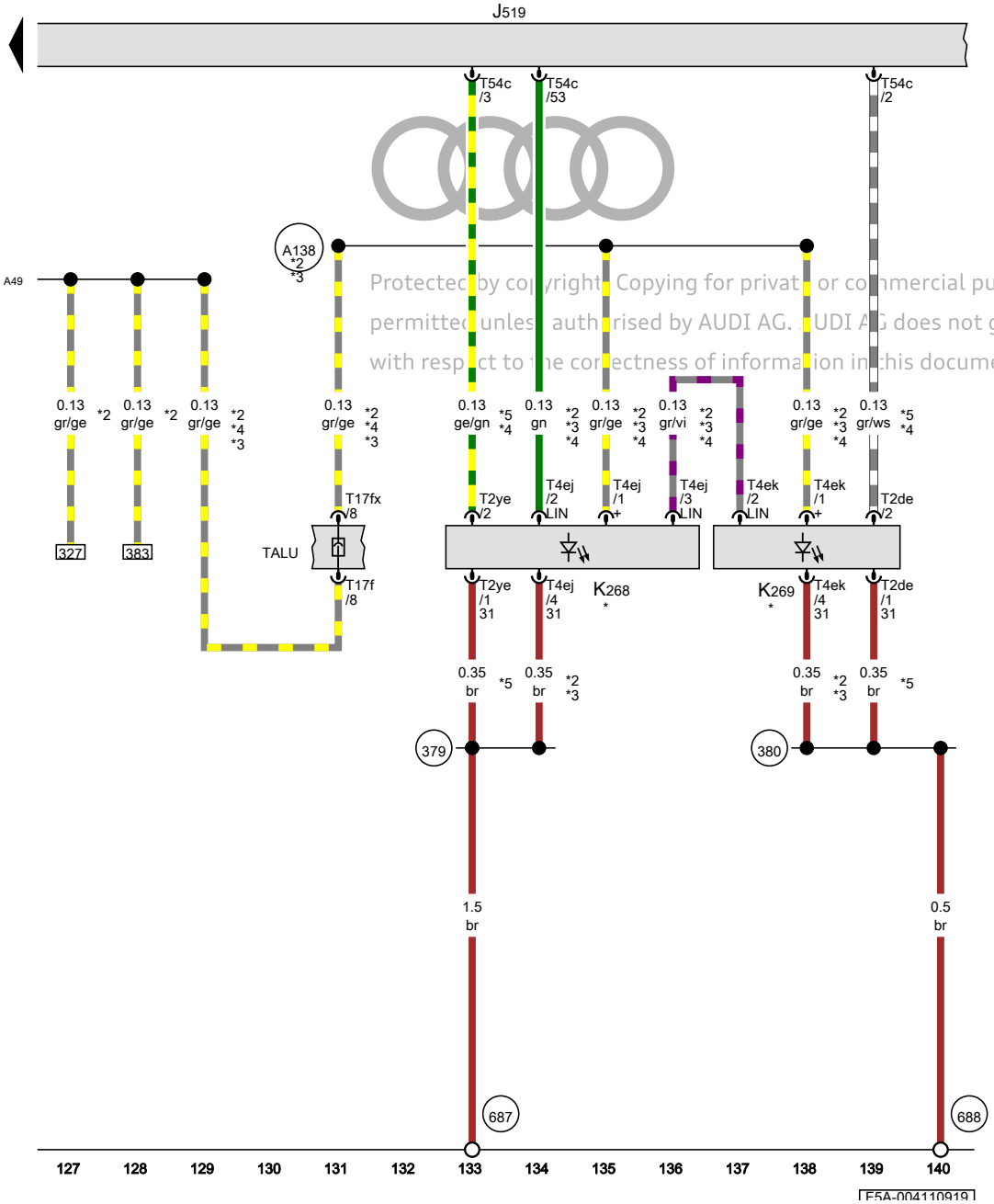
135 Earth connection 2, in dash panel wiring harness
366 Earth connection 1, in main wiring harness
378 Earth connection 13, in main wiring harness
730 Earth point 1, on right rear wheel housing
758 Earth point 3, on centre tunnel
A49 Connection 1, in dash panel wiring harness
B482 Connection 18, in main wiring harness
B711 Connection 6 (LIN bus) in main wiring harness

* For models with additional lights
*2 right
*3 left
*4 Cross section depends on equipment
*5 Optional equipment



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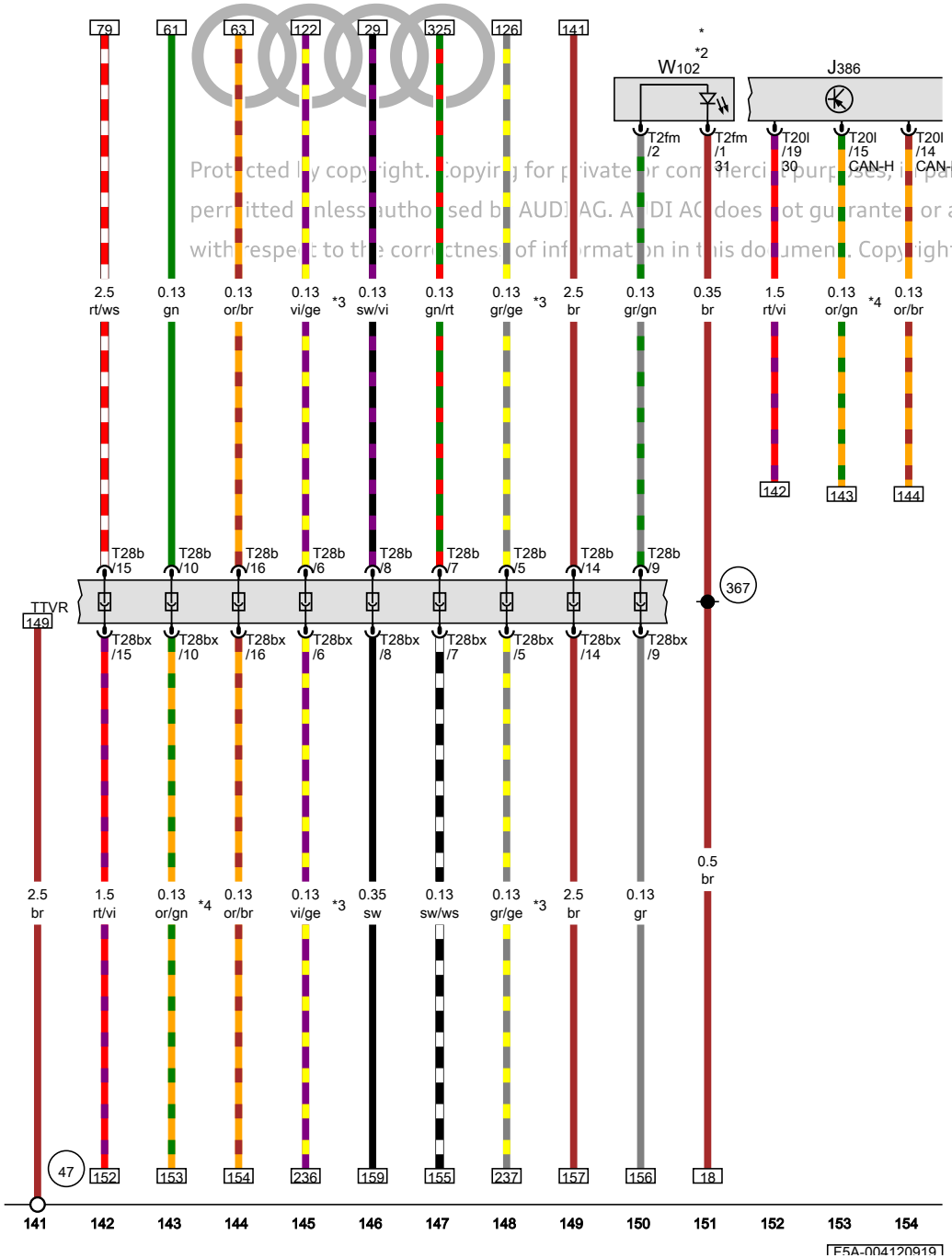
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, Front left footwell light, Front right footwell light

J519	Onboard supply control unit
K268	Front left footwell light
K269	Front right footwell light
T2de	2-pin connector, black
T2ye	2-pin connector, black
T4ej	4-pin connector, black
T4ek	4-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T54c	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A49	Connection 1, in dash panel wiring harness
A138	Connection 2, in dash panel wiring harness
*	For models with additional lights
*2	Optional equipment
*3	Up to September 2019
*4	Cross section depends on equipment
*5	According to equipment



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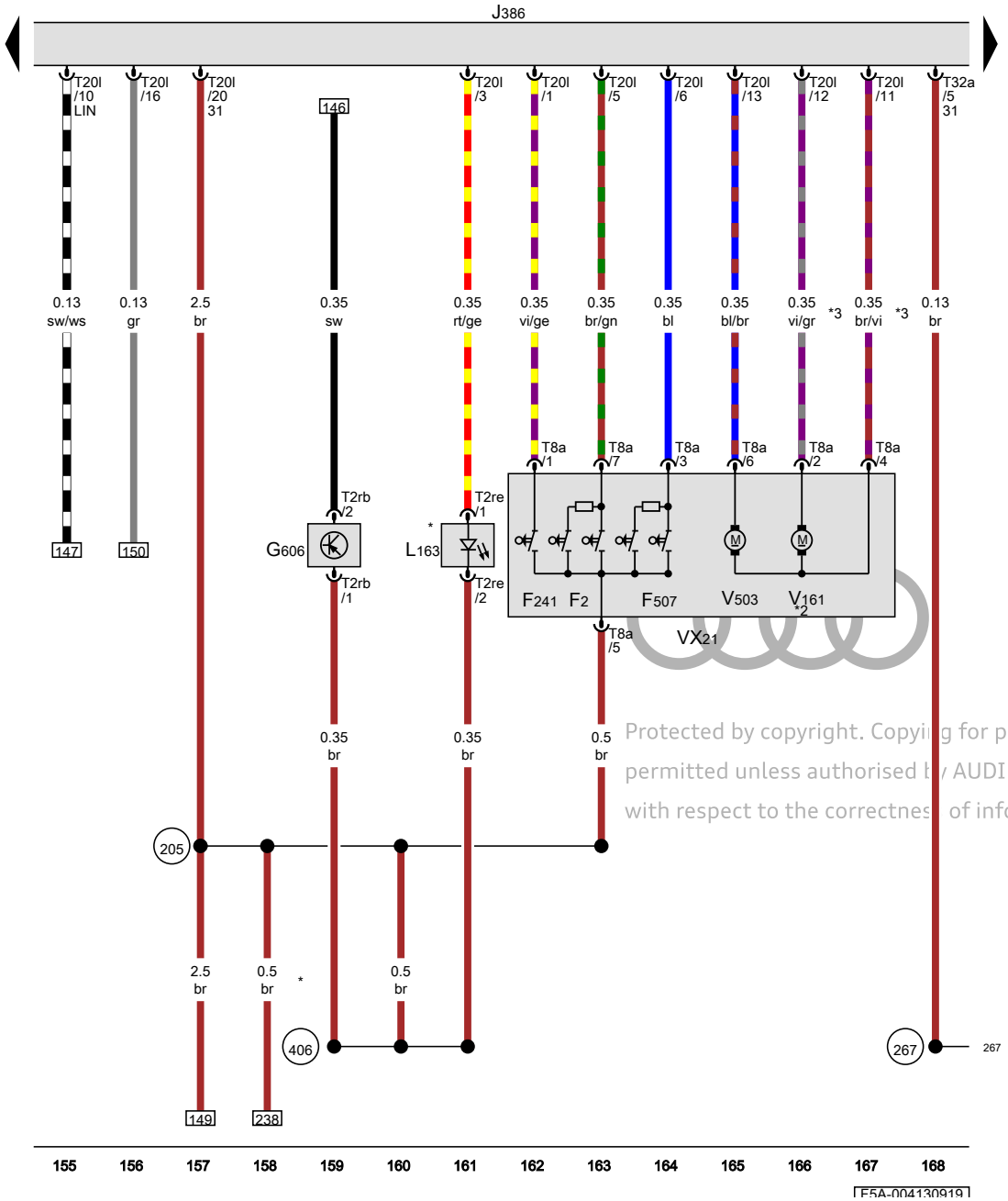
Driver door control unit, Light for sill panel moulding background lighting, driver side

J386	Driver door control unit
T2fm	2-pin connector, black
T20l	20-pin connector, white
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVR	Coupling point for front right door
W102	Light for sill panel moulding background lighting, driver side
47	Earth point, in front right footwell
367	Earth connection 2, in main wiring harness
*	Pre-wired component
*2	For models with additional lights
*3	Optional equipment
*4	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Driver door control unit, Driver door lock unit

F2	Driver door contact switch
F241	Driver side contact switch in lock cylinder
F507	Driver side central locking actuator
G606	Contact sensor for front right exterior door handle
J386	Driver door control unit
L163	Front right exterior door handle illumination bulb
T2rb	2-pin connector, black
T2re	2-pin connector, colourless
T8a	8-pin connector, black
T20l	20-pin connector, white
T32a	32-pin connector, blue
VX21	Driver door lock unit
V161	Driver door central locking SAFELOCK function motor
V503	Central locking motor on driver side
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in drive side door wiring harness
406	Earth connection 5, in drive side door wiring harness
*	Optional equipment
*2	For models with SAFELOCK function
*3	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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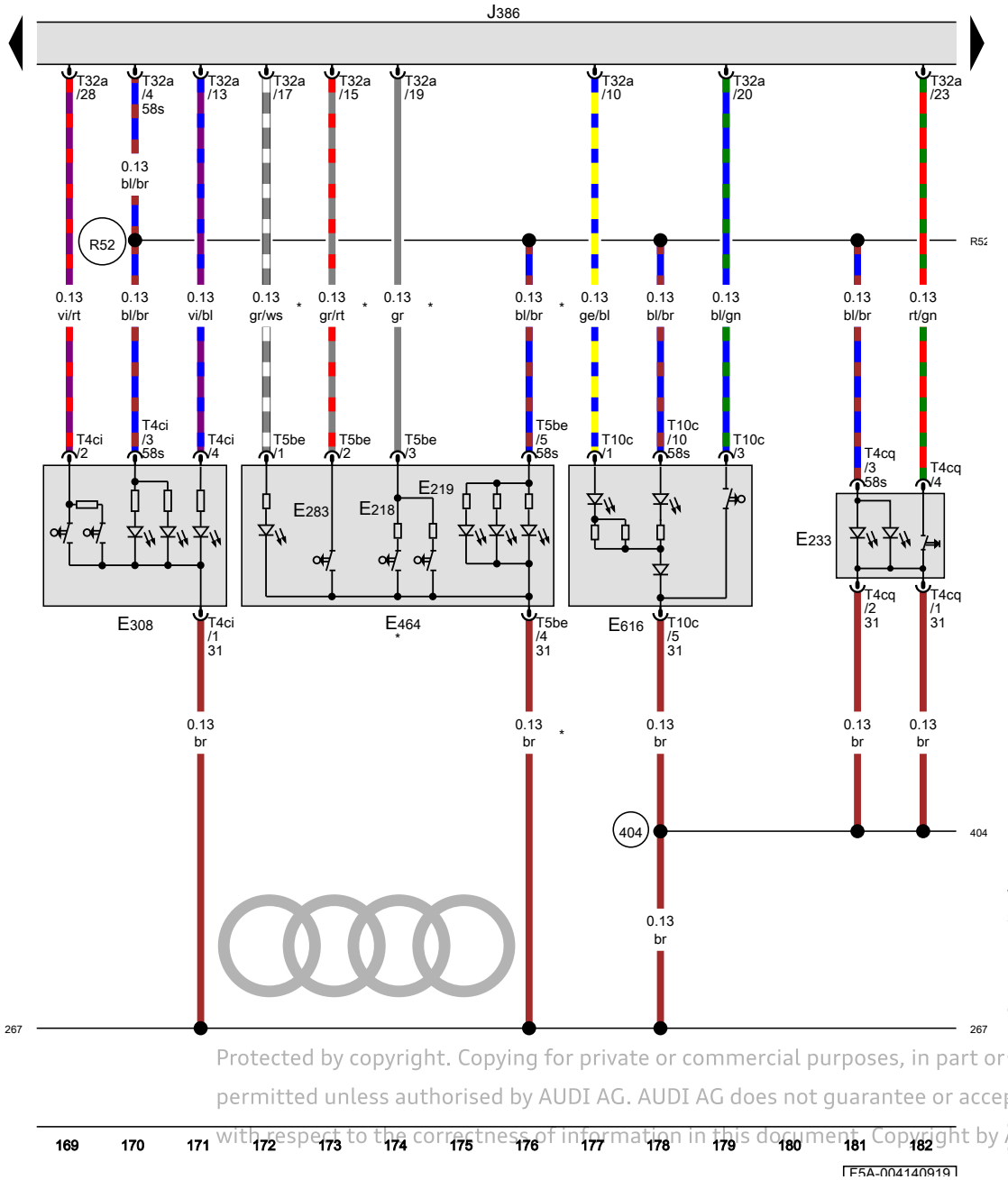

Rear lid remote release button, Driver side interior locking button for central locking system, Driver operating unit for memory settings, Button for deactivating interior monitoring and vehicle inclination sensor, Driver door control unit

E218	Seat memory position button 1
E219	Seat memory position button 2
E233	Rear lid remote release button
E283	Driver seat memory function button
E308	Driver side interior locking button for central locking system
E464	Driver operating unit for memory settings
E616	Button for deactivating interior monitoring and vehicle inclination sensor
J386	Driver door control unit
T4ci	4-pin connector, brown
T4cq	4-pin connector, brown
T5be	5-pin connector, black
T10c	10-pin connector, black
T32a	32-pin connector, blue
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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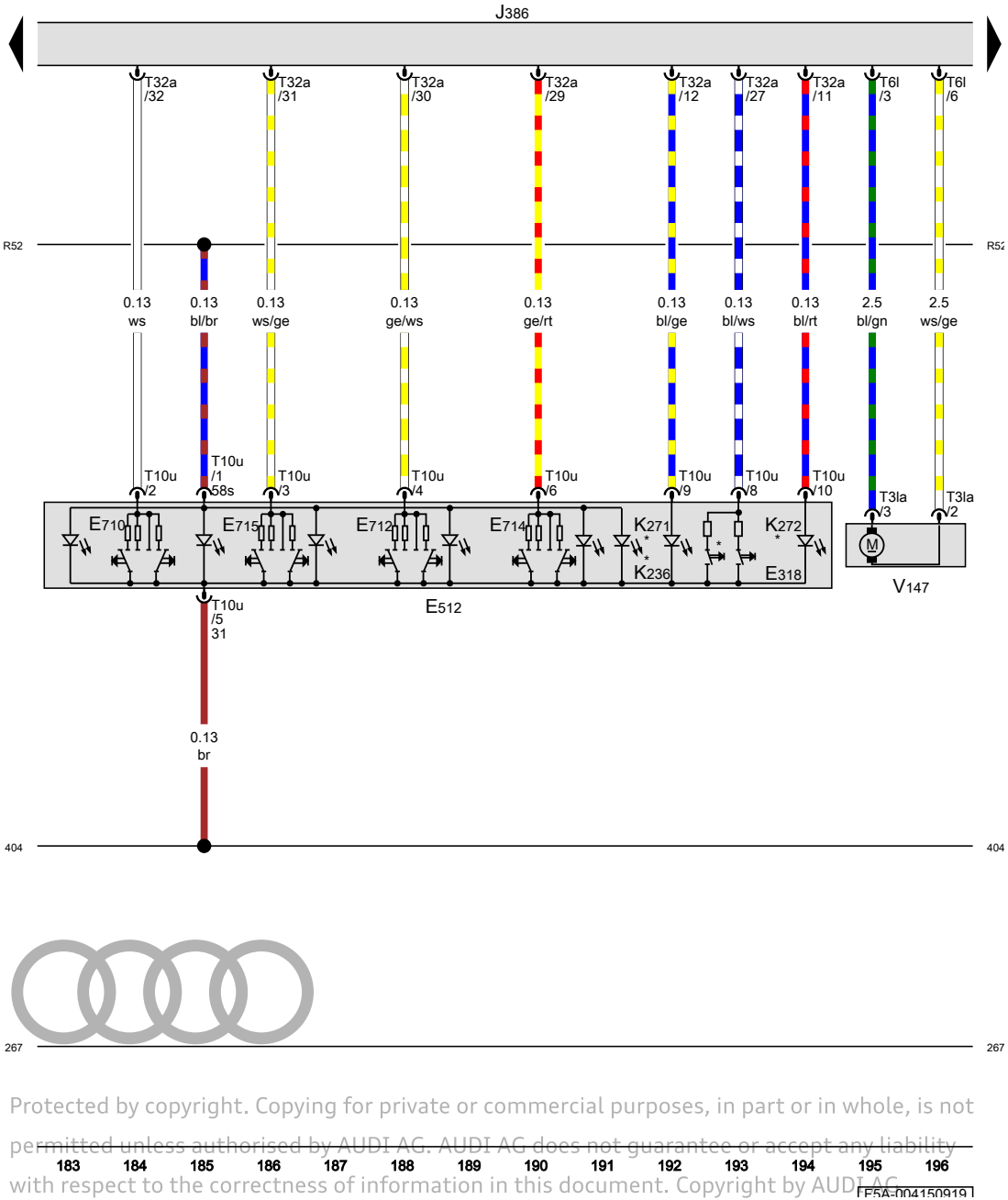

Operating unit for window regulator in driver door, Driver door control unit, Driver side window regulator motor

E318	Childproof lock button
E512	Operating unit for window regulator in driver door
E710	Front driver side window regulator button
E712	Rear driver side window regulator button, in driver door
E714	Rear passenger side window regulator button, in driver door
E715	Front passenger side window regulator button, in driver door
J386	Driver door control unit
K236	Warning light for activated childproof lock
K271	Warning lamp for activated left childproof lock
K272	Warning lamp for activated right childproof lock
T3la	3-pin connector, blue
T6l	6-pin connector, black
T10u	10-pin connector, black
T32a	32-pin connector, blue
V147	Driver side window regulator motor
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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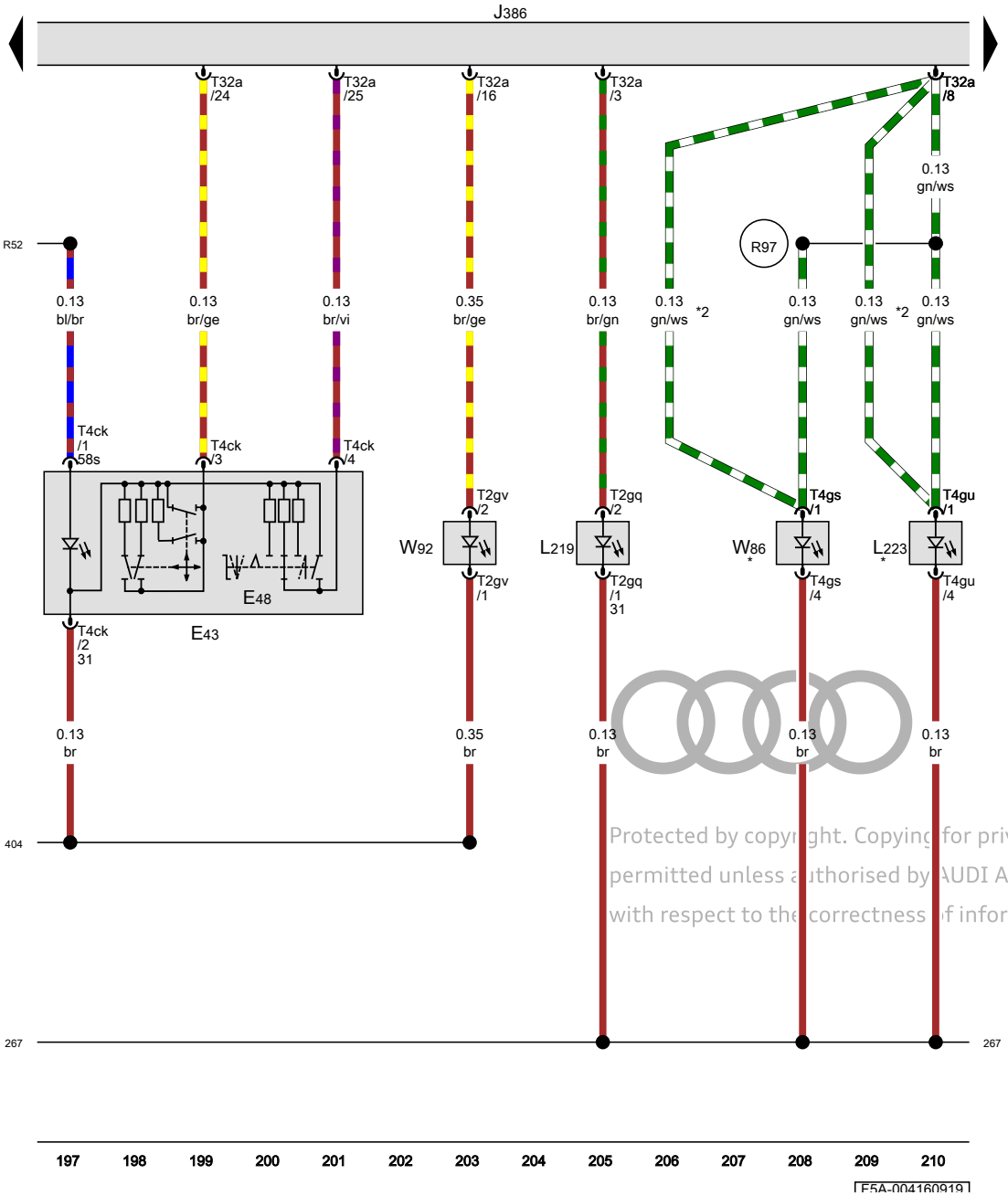

Mirror adjustment switch, Mirror adjustment changeover switch, Driver door control unit, Light for driver side interior door handle illumination, Light for driver side door loudspeaker trim, Light for driver door background lighting, Driver side entry light

E43	Mirror adjustment switch
E48	Mirror adjustment changeover switch
J386	Driver door control unit
L219	Light for driver side interior door handle illumination
L223	Light for driver side door loudspeaker trim
T2gq	2-pin connector, brown
T2gv	2-pin connector, black
T4ck	4-pin connector, brown
T4gs	4-pin connector, black
T4gu	4-pin connector, brown
T32a	32-pin connector, blue
W86	Light for driver door background lighting
W92	Driver side entry light
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
R97	Connection 4 in driver side door wiring harness
*	For models with additional lights
*2	According to equipment

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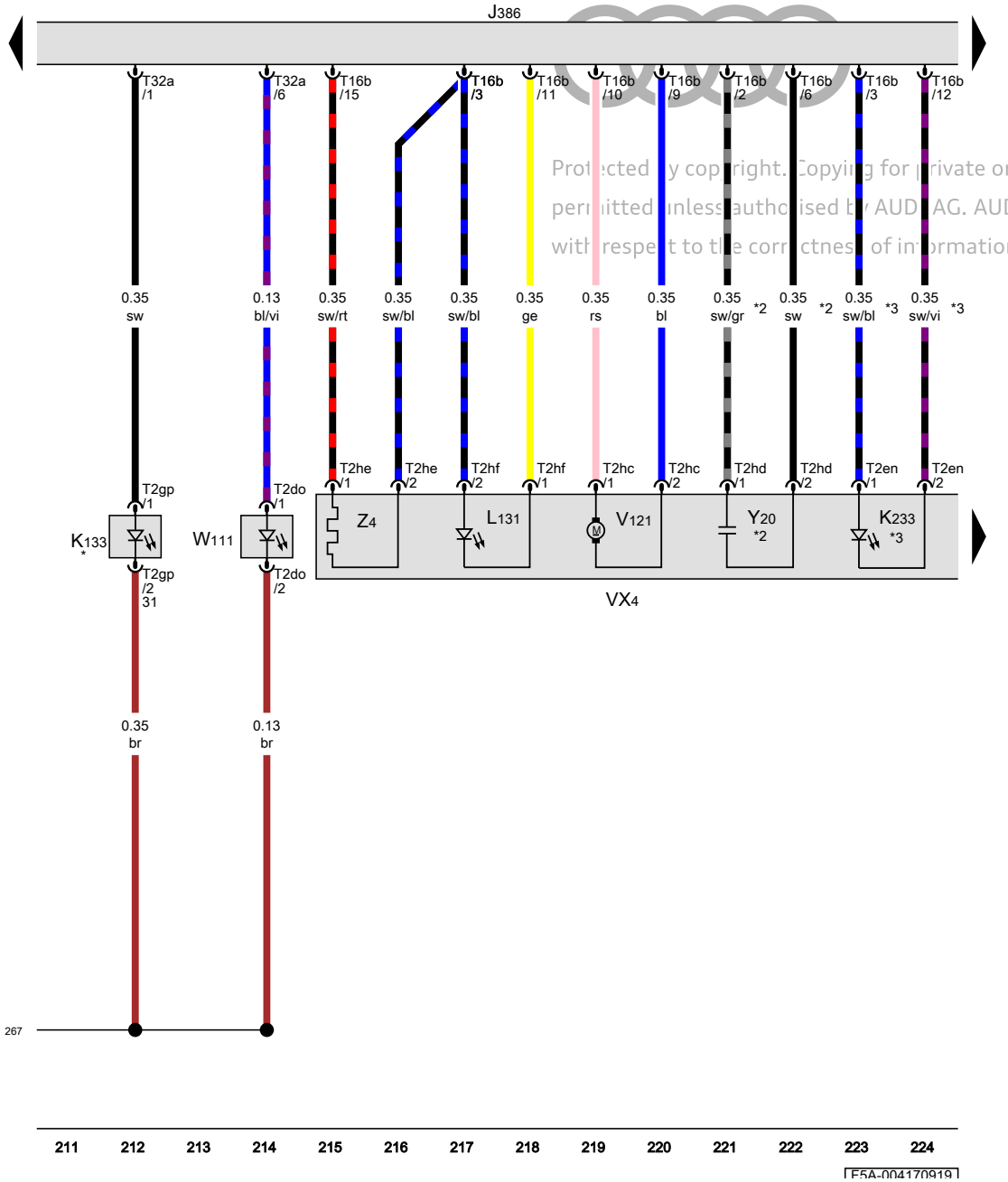

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Driver door control unit, Central locking SAFELOCK function warning lamp, Driver side exterior mirror, Exit warning lamp, driver side

J386	Driver door control unit
K133	Central locking SAFELOCK function warning lamp
K233	Lane change assist warning lamp in driver side exterior mirror
L131	Driver side turn signal repeater bulb
T2do	2-pin connector, black
T2en	2-pin connector, black
T2gp	2-pin connector, black
T2hc	2-pin connector, black
T2hd	2-pin connector, black
T2he	2-pin connector, black
T2hf	2-pin connector, brown
T16b	16-pin connector, black
T32a	32-pin connector, blue
VX4	Driver side exterior mirror
V121	Driver side fold-in mirror motor
W111	Exit warning lamp, driver side
Y20	Automatic anti-dazzle exterior mirror, driver side
Z4	Heated exterior mirror on driver side
267	Earth connection 2, in drive side door wiring harness
*	Pre-wired component
*2	For models with automatic anti-dazzle exterior mirror
*3	For models with lane change assist

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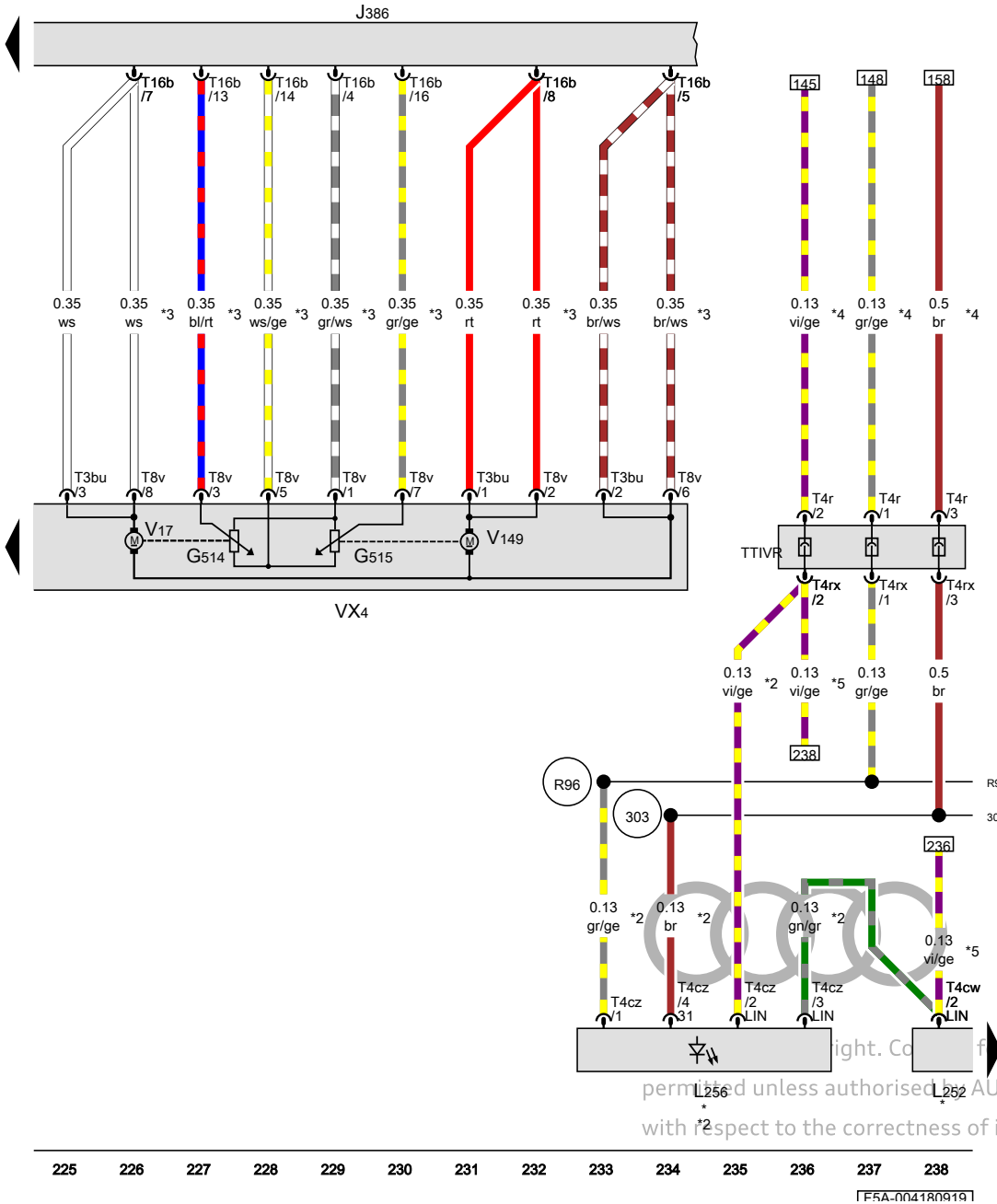

Driver door control unit, Light for front right door contour lighting, Light for right door storage compartment illumination, Coupling point in front right door, Driver side exterior mirror

G514	Potentiometer for horizontal adjustment of driver side mirror
G515	Potentiometer for vertical adjustment of driver side mirror
J386	Driver door control unit
L252	Light for front right door contour lighting
L256	Light for right door storage compartment illumination
T3bu	3-pin connector, black
T4cw	4-pin connector, black
T4cz	4-pin connector, black
T4r	4-pin connector, black
T4rx	4-pin connector, black
T8v	8-pin connector, black
T16b	16-pin connector, black
TTIVR	Coupling point in front right door
VX4	Driver side exterior mirror
V17	Driver side mirror adjustment motor 2
V149	Driver side mirror adjustment motor
303	Earth connection 3, in drive side door wiring harness
R96	Connection 3 in driver side door wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	For models with electric seat adjustment and memory function
*4	Optional equipment
*5	From October 2019

ws	=	white
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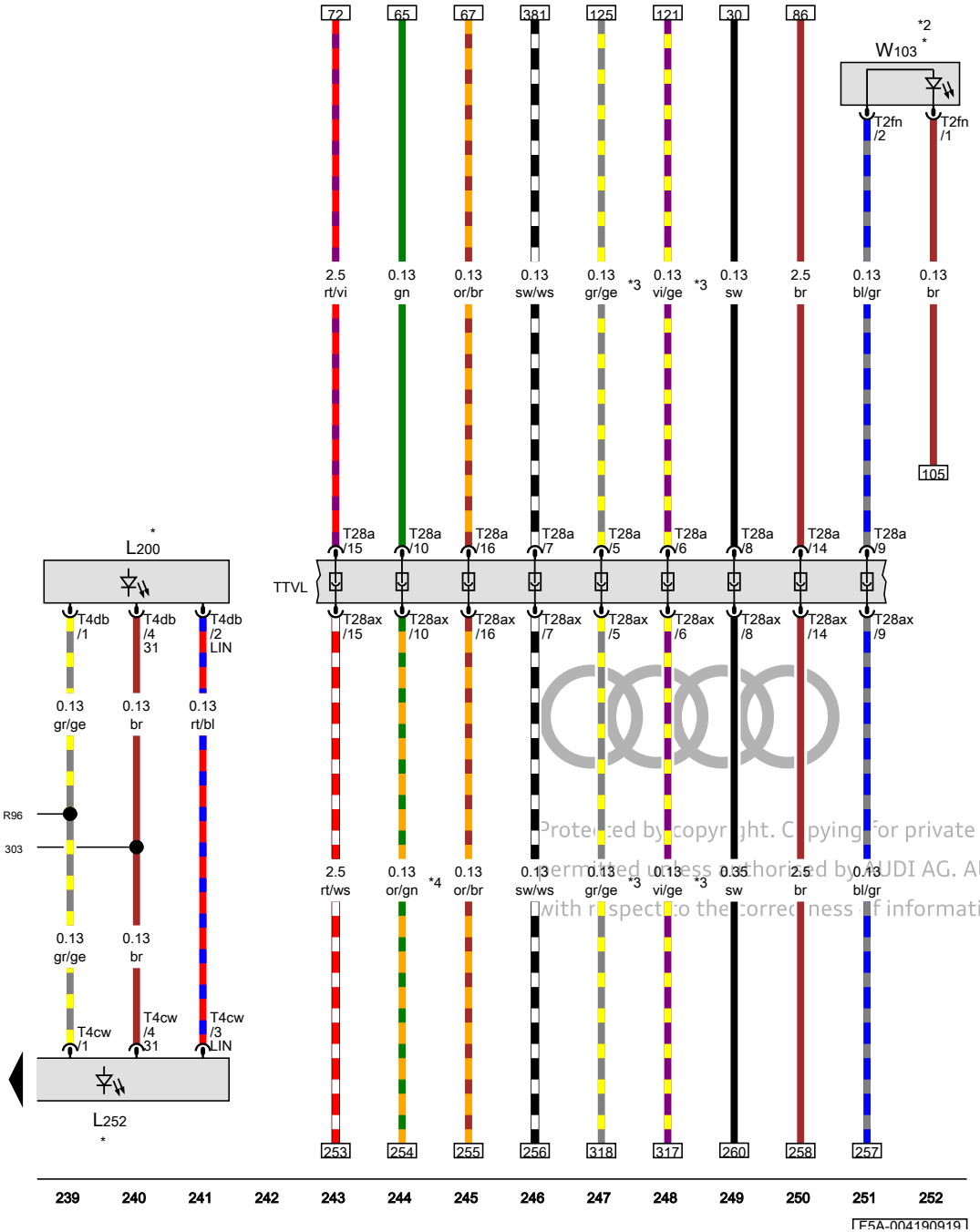

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Light 1 for front right door background lighting, Light for front right door contour lighting, Coupling point for front left door, Light for sill panel moulding background lighting, front passenger side

L200	Light 1 for front right door background lighting
L252	Light for front right door contour lighting
T2fn	2-pin connector, black
T4cw	4-pin connector, black
T4db	4-pin connector, red
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
W103	Light for sill panel moulding background lighting, front passenger side
303	Earth connection 3, in drive side door wiring harness
R96	Connection 3 in driver side door wiring harness
*	For models with additional lights
*2	Pre-wired component
*3	Optional equipment
*4	Different wire colour possible

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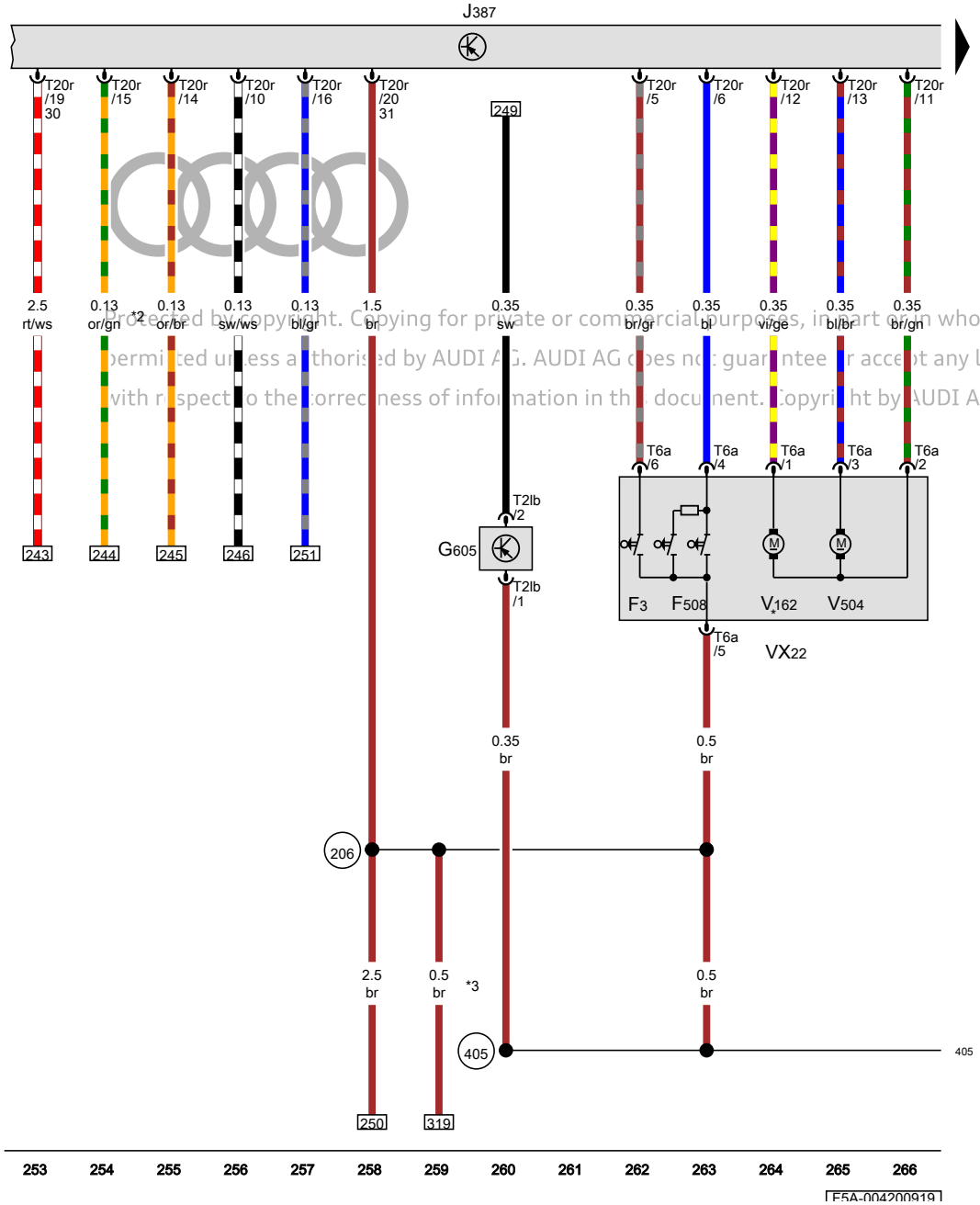

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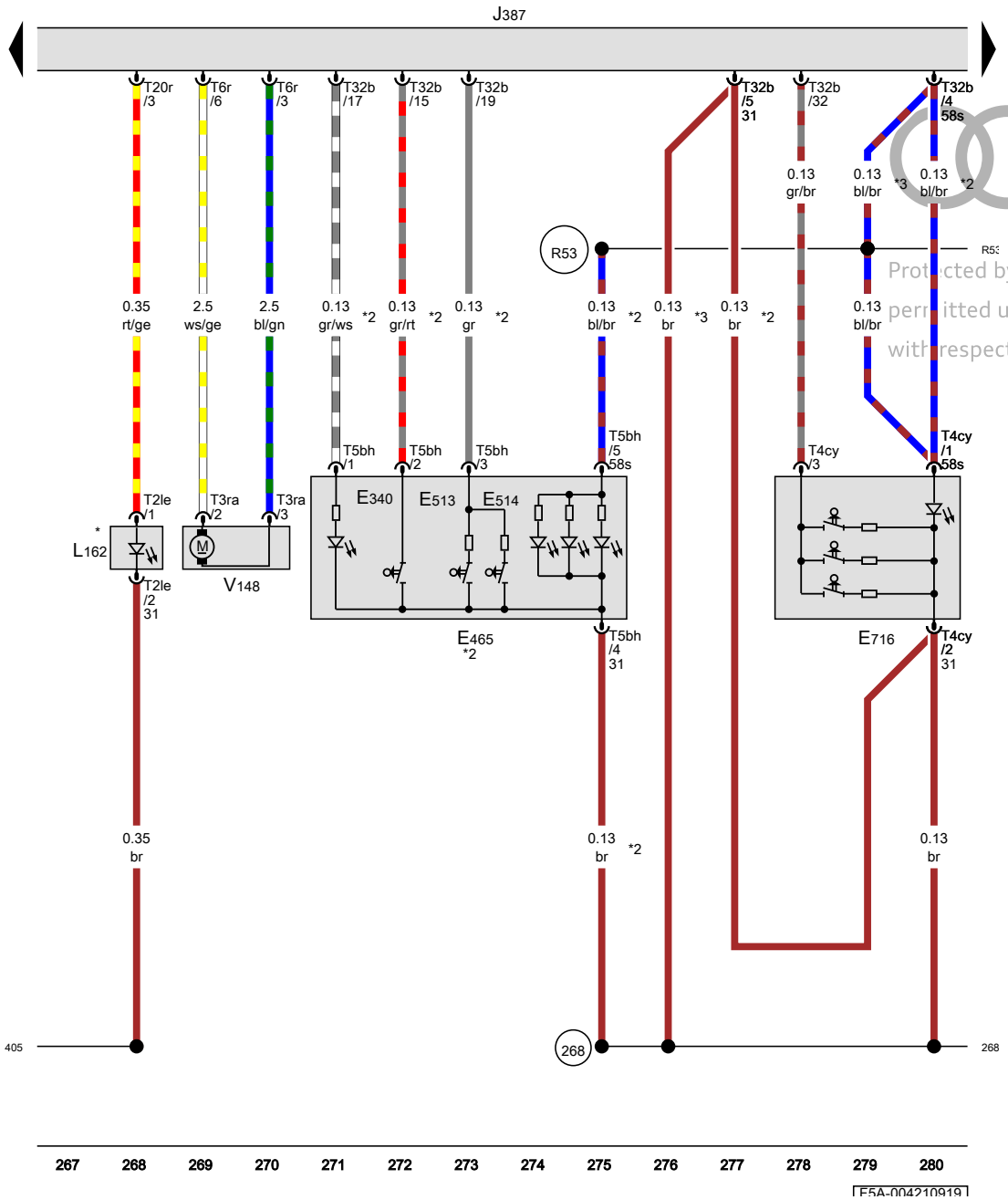
Contact sensor for front left exterior door handle, Front passenger door control unit, Front passenger door lock unit

F3	Front passenger door contact switch
F508	Passenger side central locking actuator
G605	Contact sensor for front left exterior door handle
J387	Front passenger door control unit
T2lb	2-pin connector, black
T6a	6-pin connector, black
T20r	20-pin connector, white
VX22	Front passenger door lock unit
V162	Front passenger door central locking SAFELOCK function motor
V504	Central locking motor on front passenger side
206	Earth connection, in front passenger door wiring harness
405	Earth connection 4, in front passenger side door wiring harness
*	For models with SAFELOCK function
*2	Different wire colour possible
*3	Optional equipment



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Front passenger operating unit for memory settings, Front passenger side window regulator button, Front passenger door control unit, Front left exterior door handle illumination bulb, Front passenger side window regulator motor

E340	Front passenger seat memory function button
E465	Front passenger operating unit for memory settings
E513	Seat memory position button 1 in front passenger door
E514	Seat memory position button 2 in front passenger door
E716	Front passenger side window regulator button
J387	Front passenger door control unit
L162	Front left exterior door handle illumination bulb
T2le	2-pin connector, colourless
T3ra	3-pin connector, blue
T4cy	4-pin connector, brown
T5bh	5-pin connector, black
T6r	6-pin connector, black
T20r	20-pin connector, white
T32b	32-pin connector, blue
V148	Front passenger side window regulator motor
268	Earth connection 2, in front passenger side door wiring harness
405	Earth connection 4, in front passenger side door wiring harness
R53	Connection (58s), in driver side door wiring harness
*	For models with additional lights
*2	According to equipment
*3	Optional equipment

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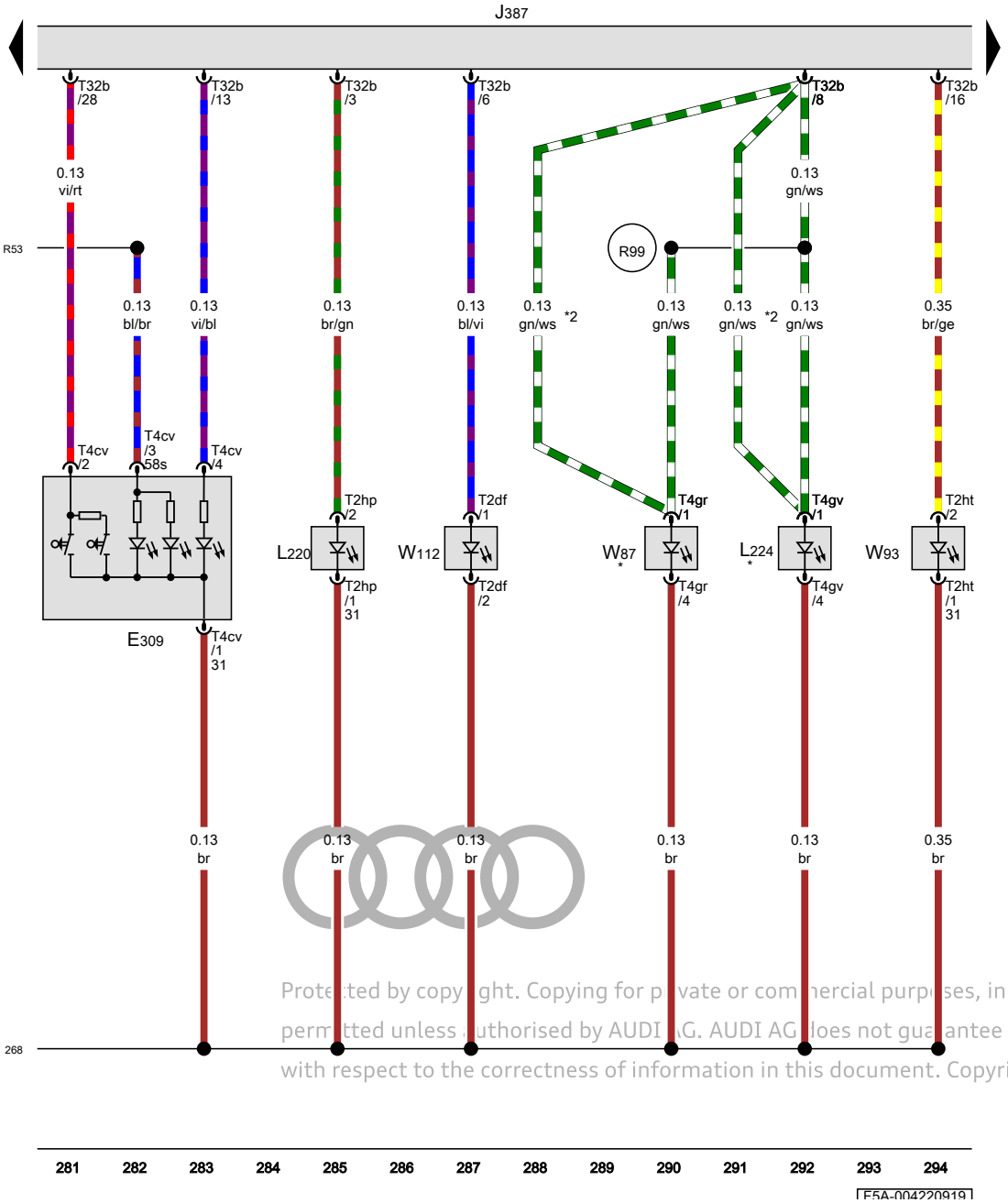

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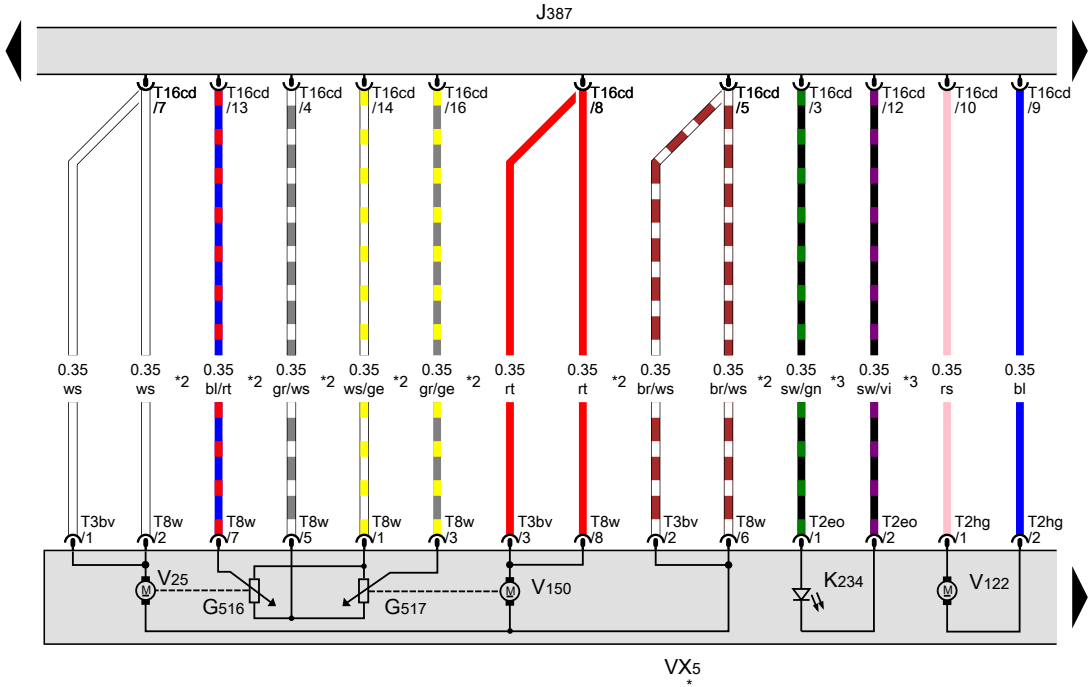
Front passenger side interior locking button for central locking system, Front passenger door control unit, Light for passenger side interior door handle illumination, Light for passenger side door loudspeaker trim, Light for passenger door background lighting, Passenger side entry light, Exit warning lamp, front passenger side

E309	Front passenger side interior locking button for central locking system
J387	Front passenger door control unit
L220	Light for passenger side interior door handle illumination
L224	Light for passenger side door loudspeaker trim
T2df	2-pin connector, black
T2hp	2-pin connector, brown
T2ht	2-pin connector, black
T4cv	4-pin connector, brown
T4gr	4-pin connector, brown
T4gv	4-pin connector, brown
T32b	32-pin connector, blue
W87	Light for passenger door background lighting
W93	Passenger side entry light
W112	Exit warning lamp, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
R53	Connection (58s), in driver side door wiring harness
R99	Connection 2 in front passenger side door wiring harness
*	For models with additional lights
*2	According to equipment



Front passenger door control unit, Passenger side exterior mirror

G516	Potentiometer for horizontal adjustment of front passenger side mirror
G517	Potentiometer for vertical adjustment of front passenger side mirror
J387	Front passenger door control unit
K234	Lane change assist warning lamp in passenger side exterior mirror
T2eo	2-pin connector, black
T2hg	2-pin connector, black
T3bv	3-pin connector, black
T8w	8-pin connector, black
T16cd	16-pin connector, black
VX5	Passenger side exterior mirror
V25	Front passenger side mirror adjustment motor 2
V122	Front passenger side fold-in mirror motor
V150	Front passenger side mirror adjustment motor
*	According to equipment
*2	For models with electric seat adjustment and memory function
*3	For models with lane change assist

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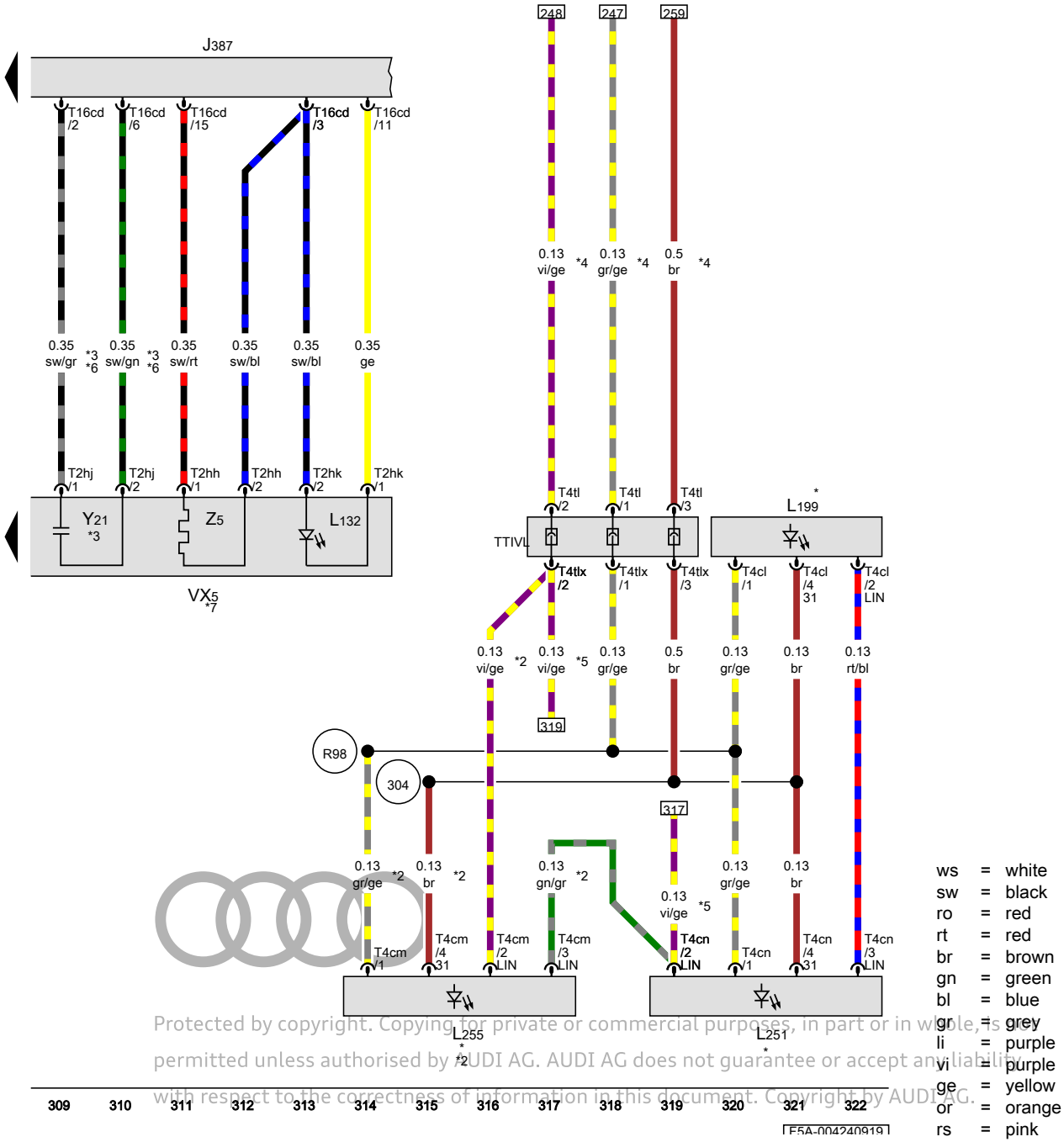

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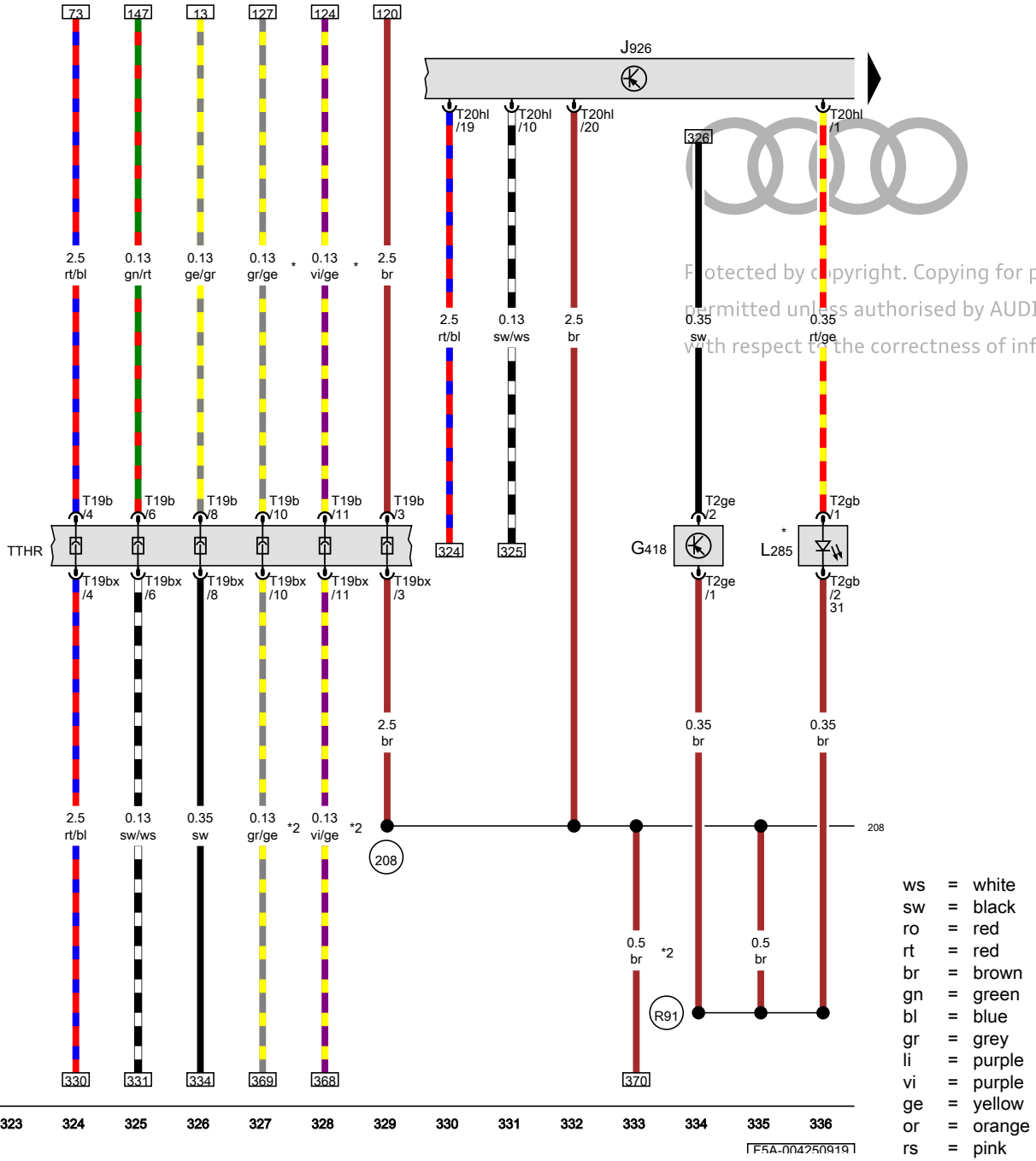
Front passenger door control unit, Light 1 for front left door background lighting, Light for front left door contour lighting, Light for left door storage compartment illumination, Coupling point in front left door, Passenger side exterior mirror

J387	Front passenger door control unit
L132	Front passenger side turn signal repeater bulb
L199	Light 1 for front left door background lighting
L251	Light for front left door contour lighting
L255	Light for left door storage compartment illumination
T2hh	2-pin connector, black
T2hj	2-pin connector, black
T2hk	2-pin connector, brown
T4cl	4-pin connector, red
T4cm	4-pin connector, black
T4cn	4-pin connector, black
T4tl	4-pin connector, black
T4tlx	4-pin connector, black
T16cd	16-pin connector, black
TTIVL	Coupling point in front left door
VX5	Passenger side exterior mirror
Y21	Automatic anti-dazzle exterior mirror, passenger side
Z5	Heated exterior mirror on passenger side
304	Earth connection 3, in front passenger side door wiring harness
R98	Connection 1 in front passenger side door wiring harness

*	For models with additional lights
*2	Up to September 2019
*3	If fitted
*4	Optional equipment
*5	From October 2019
*6	For models with automatic anti-dazzle exterior mirror
*7	According to equipment



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Contact sensor for rear right exterior door handle, Rear driver side door control unit, Light for rear exterior door handle illumination, driver side

G418	Contact sensor for rear right exterior door handle
J926	Rear driver side door control unit
L285	Light for rear exterior door handle illumination, driver side
T2gb	2-pin connector, colourless
T2ge	2-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T20hl	20-pin connector, white
TTHR	Coupling point for rear right door
208	Earth connection, in rear right door wiring harness
R91	Connection 3, in rear right door wiring harness
*	Optional equipment
*2	For models with additional lights

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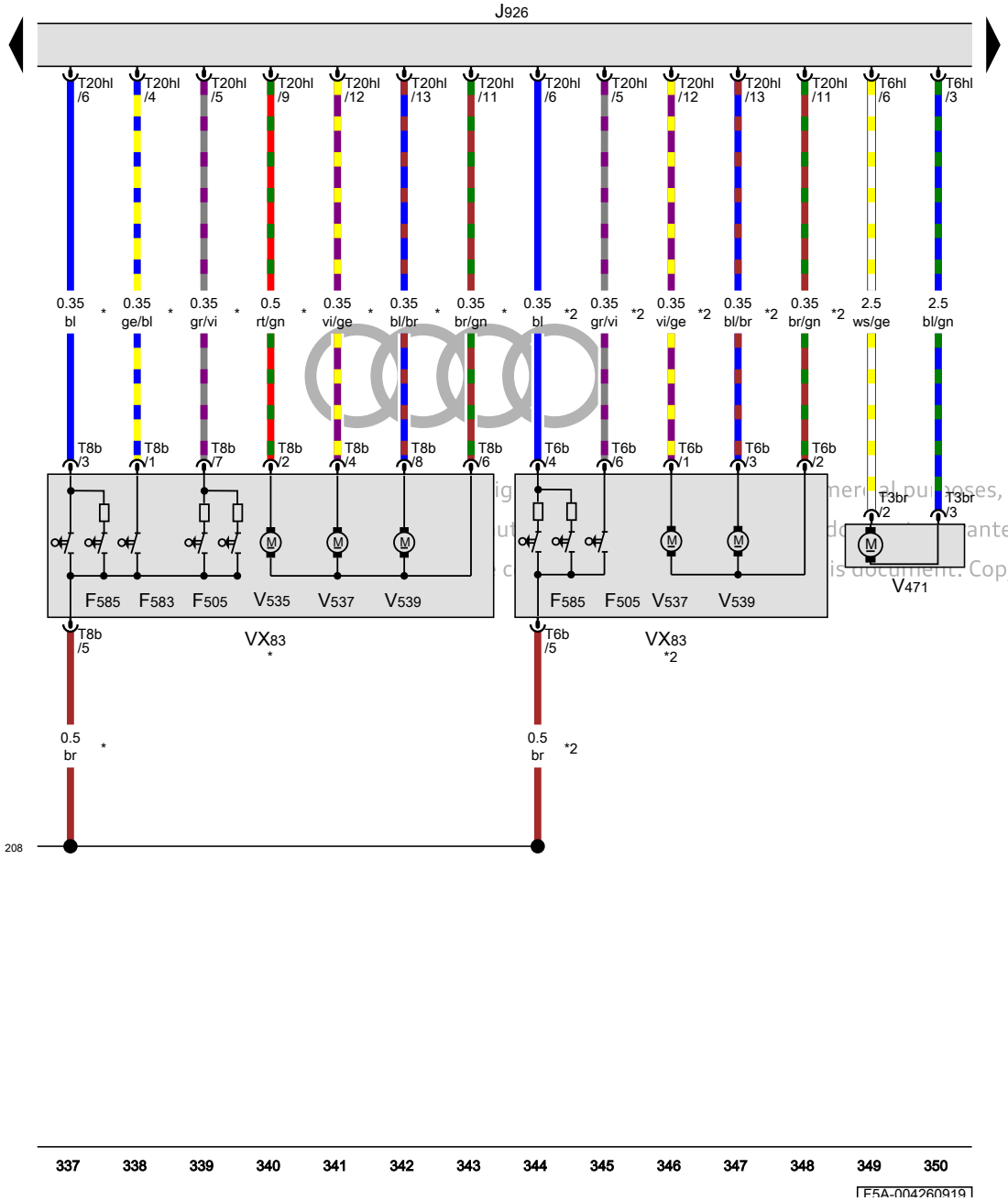

Rear driver side door control unit, Rear door lock unit, driver side, Rear driver side window regulator motor

F505	Rear door contact switch, driver side
F583	Rear childproof lock contact switch, driver side
F585	Rear contact switch in lock cylinder, driver side
J926	Rear driver side door control unit
T3br	3-pin connector, brown
T6b	6-pin connector, black
T6hl	6-pin connector, black
T8b	8-pin connector, black
T20hl	20-pin connector, white
VX83	Rear door lock unit, driver side
V471	Rear driver side window regulator motor
V535	Rear childproof lock motor, driver side
V537	Rear central locking SAFELOCK function motor, driver side
V539	Rear central locking motor, driver side
208	Earth connection, in rear right door wiring harness
*	For models with childproof locks
*2	For models with no childproof locks

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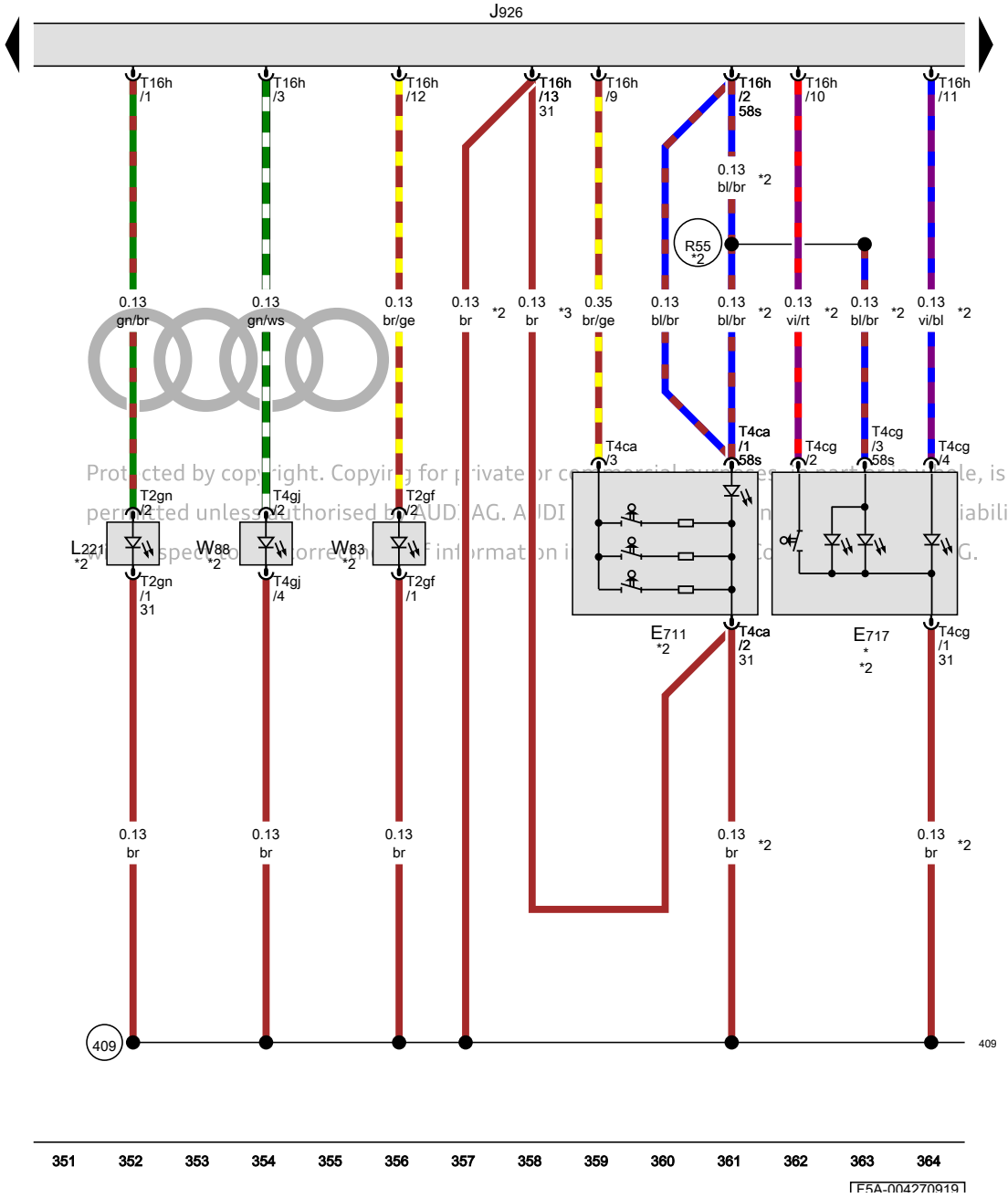

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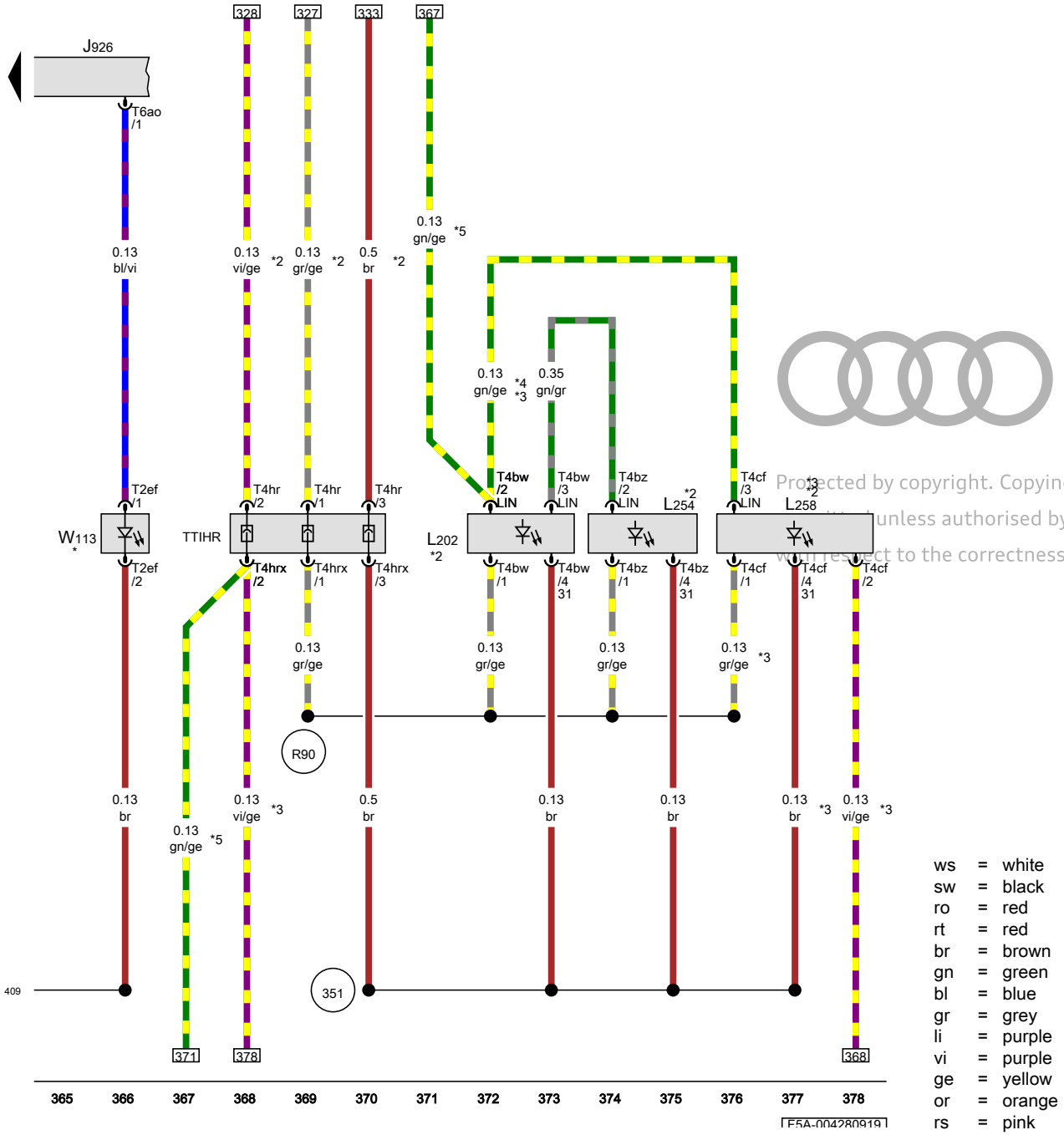
Rear driver side window regulator button, Rear driver side interior locking button for central locking system, Rear driver side door control unit, Light for rear driver side interior door handle illumination, Light for rear door background lighting, driver side

E711	Rear driver side window regulator button
E717	Rear driver side interior locking button for central locking system
J926	Rear driver side door control unit
L221	Light for rear driver side interior door handle illumination
T2gf	2-pin connector, black
T2gn	2-pin connector, brown
T4ca	4-pin connector, brown
T4cg	4-pin connector, brown
T4gj	4-pin connector, brown
T16h	16-pin connector, black
W83	Rear driver side entry light
W88	Light for rear door background lighting, driver side
409	Earth connection 3, in rear right door wiring harness
R55	Connection (58s), in rear right door wiring harness
*	For models with interior locking switch
*2	Optional equipment
*3	According to equipment



Rear driver side door control unit, Light 1 for rear right door background lighting, Light for rear right door contour lighting, Light for rear right door storage compartment illumination, Rear exit warning lamp, driver side

J926	Rear driver side door control unit
L202	Light 1 for rear right door background lighting
L254	Light for rear right door contour lighting
L258	Light for rear right door storage compartment illumination
T2ef	2-pin connector, black
T4bw	4-pin connector, black
T4bz	4-pin connector, black
T4cf	4-pin connector, red
T4hr	4-pin connector, black
T4hrx	4-pin connector, black
T6ao	6-pin connector, brown
TTIHR	Coupling point in rear right door
W113	Rear exit warning lamp, driver side
351	Earth connection 2, in rear right door wiring harness
409	Earth connection 3, in rear right door wiring harness
R90	Connection 1, in rear right door wiring harness
*	Optional equipment
*2	For models with additional lights
*3	Up to September 2019
*4	Different wire colour possible
*5	From October 2019

ws	=	white
sw	=	black
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br	=	brown
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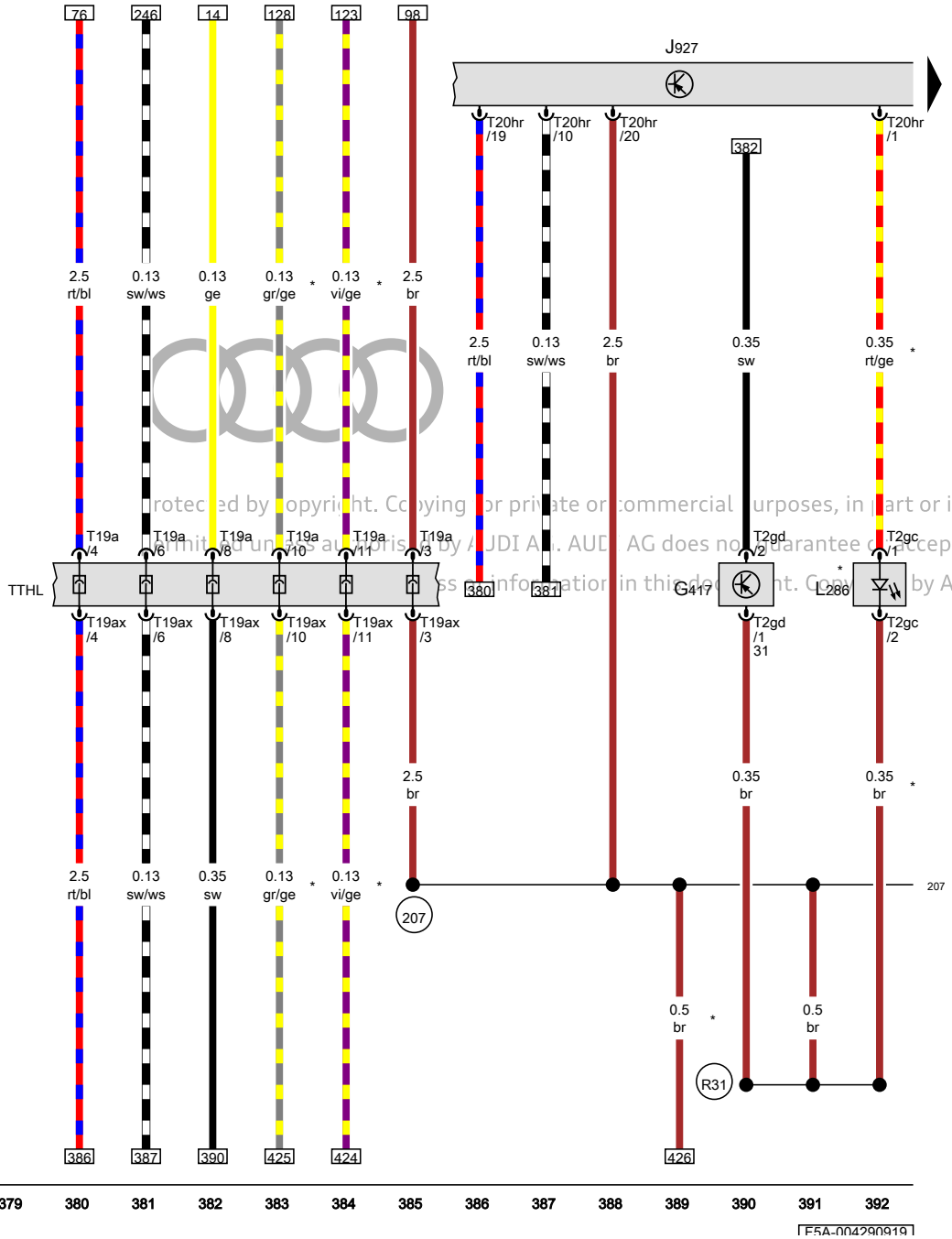

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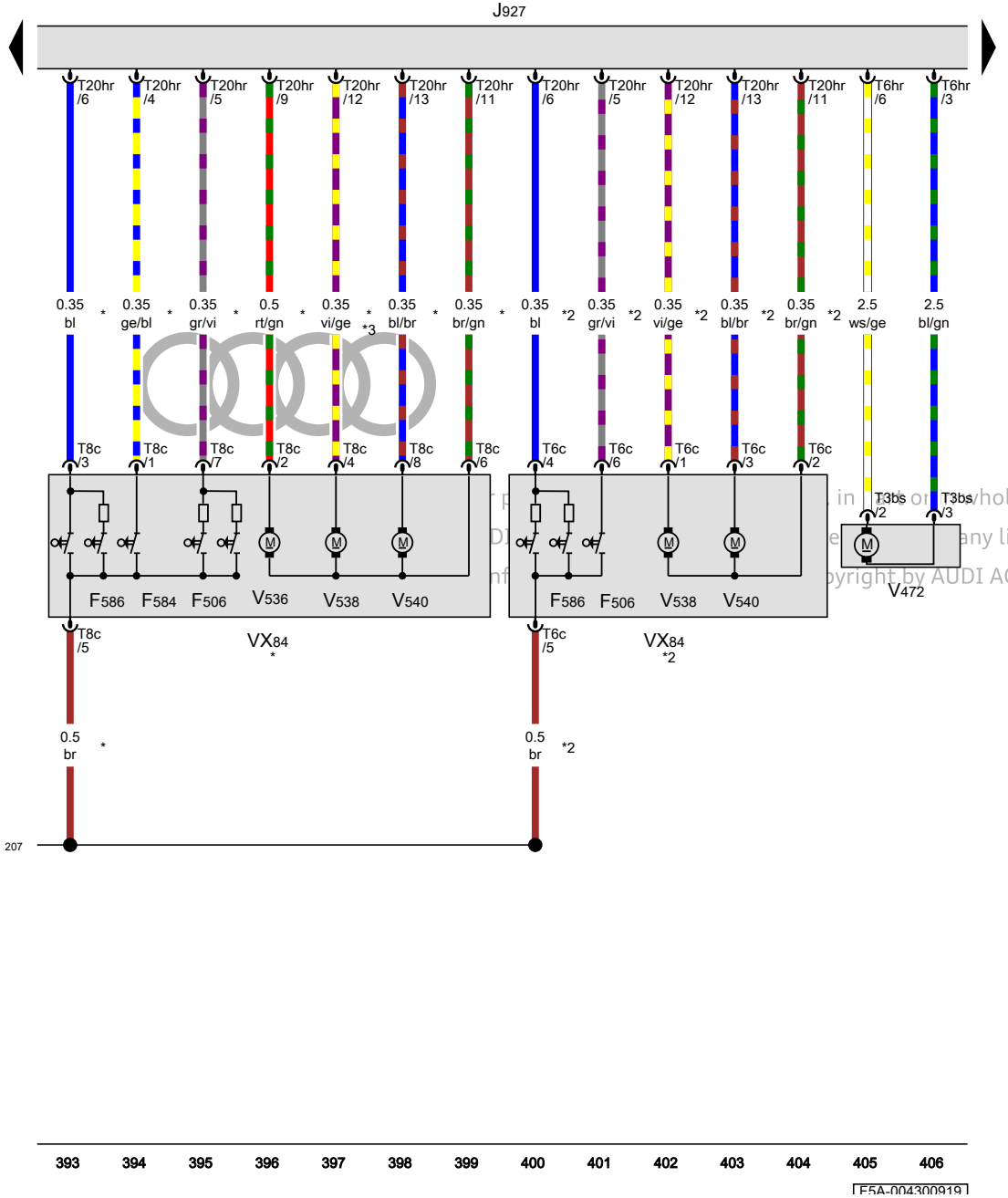
Contact sensor for rear left exterior door handle, Rear passenger side door control unit, Light for rear exterior door handle illumination, passenger side, Coupling point for rear left door

G417	Contact sensor for rear left exterior door handle
J927	Rear passenger side door control unit
L286	Light for rear exterior door handle illumination, passenger side
T2gc	2-pin connector, colourless
T2gd	2-pin connector, black
T19a	19-pin connector, black
T19ax	19-pin connector, black
T20hr	20-pin connector, white
TTHL	Coupling point for rear left door
207	Earth connection, in rear left door wiring harness
R31	Connection 1, in rear left door wiring harness
*	Optional equipment



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Rear door contact switch, passenger side, Rear passenger side door control unit, Rear door lock unit, passenger side, Rear childproof lock motor, passenger side, Rear central locking SAFELOCK function motor, passenger side, Rear central locking motor, passenger side

F506	Rear door contact switch, passenger side
F584	Rear childproof lock contact switch, passenger side
F586	Rear contact switch in lock cylinder, passenger side
J927	Rear passenger side door control unit
T3bs	3-pin connector, blue
T6c	6-pin connector, black
T6hr	6-pin connector, black
T8c	8-pin connector, black
T20hr	20-pin connector, white
VX84	Rear door lock unit, passenger side
V472	Rear passenger side window regulator motor
V536	Rear childproof lock motor, passenger side
V538	Rear central locking SAFELOCK function motor, passenger side
V540	Rear central locking motor, passenger side
207	Earth connection, in rear left door wiring harness
*	For models with childproof locks
*2	For models with no childproof locks
*3	For models with no entry and start authorisation

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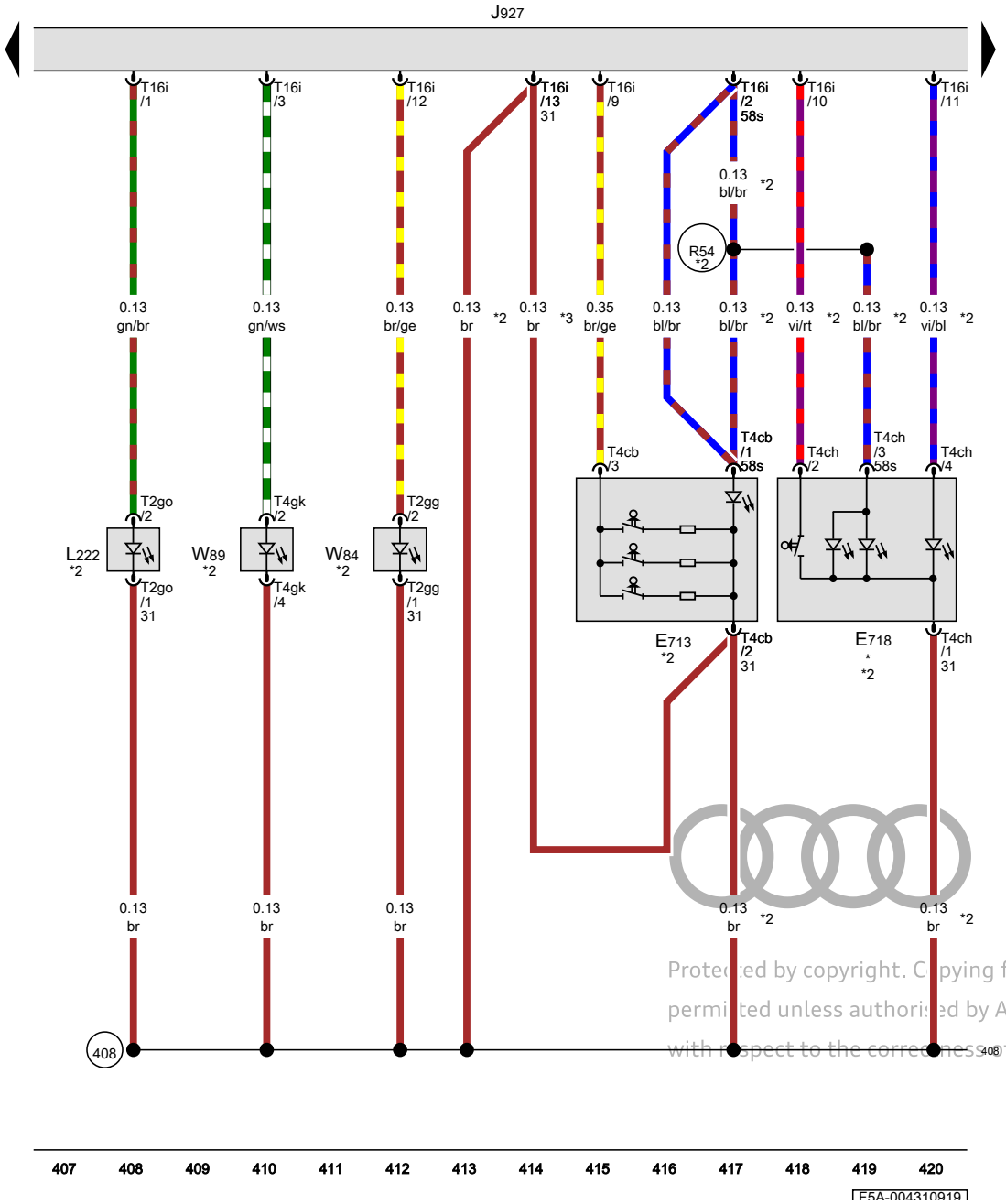
or	=	orange
rs	=	pink



Rear passenger side window regulator button, Rear passenger side interior locking button for central locking system, Rear passenger side door control unit, Light for rear passenger side interior door handle illumination, Rear passenger side entry light, Light for rear door background lighting, passenger side

E713	Rear passenger side window regulator button
E718	Rear passenger side interior locking button for central locking system
J927	Rear passenger side door control unit
L222	Light for rear passenger side interior door handle illumination
T2gg	2-pin connector, black
T2go	2-pin connector, brown
T4cb	4-pin connector, brown
T4ch	4-pin connector, brown
T4gk	4-pin connector, black
T16i	16-pin connector, black
W84	Rear passenger side entry light
W89	Light for rear door background lighting, passenger side
408	Earth connection 3, in rear left door wiring harness
R54	Connection (58s), in rear left door wiring harness
*	For models with interior locking switch
*2	Optional equipment
*3	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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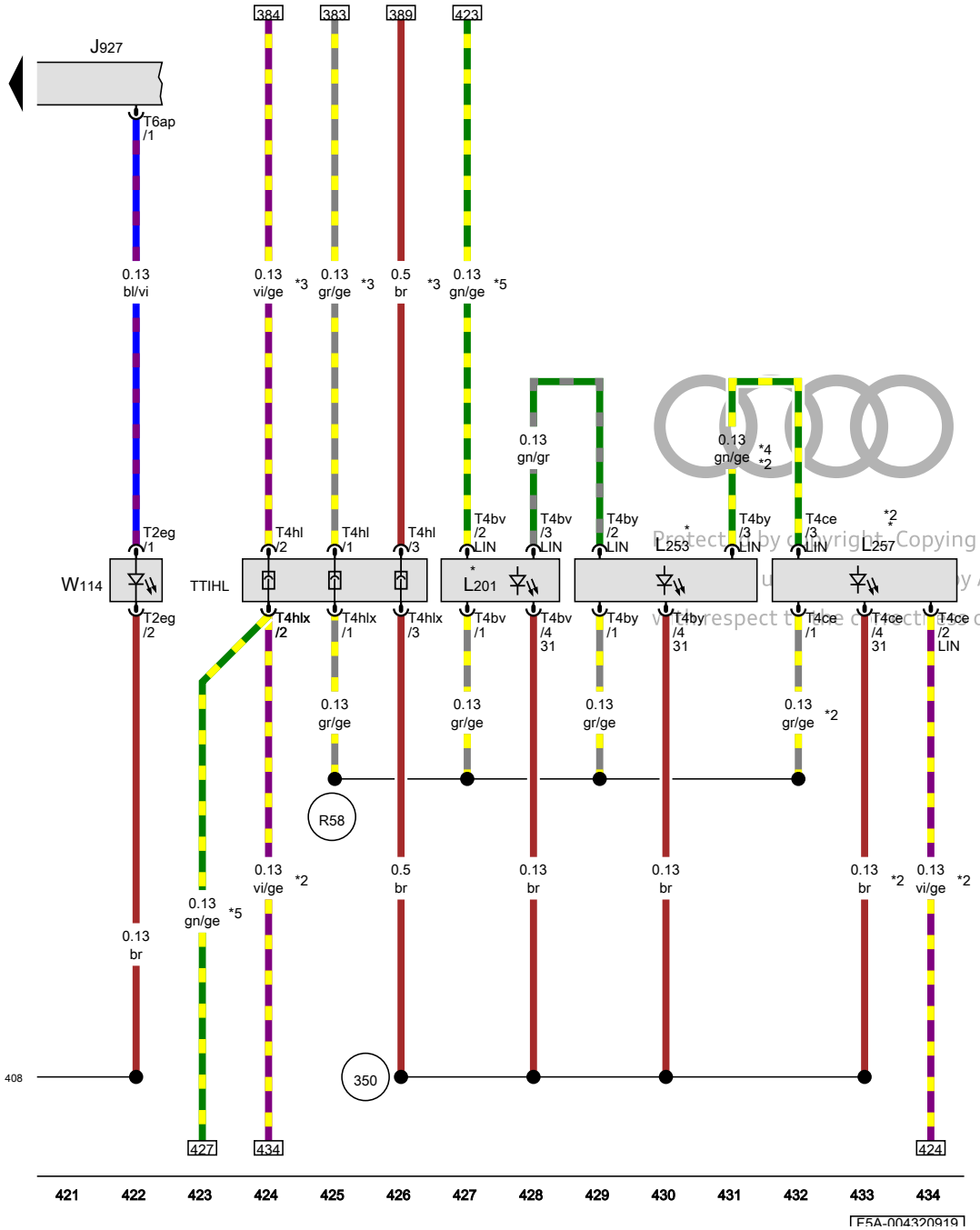

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Rear passenger side door control unit, Light 1 for rear left door background lighting, Light for rear left door contour lighting, Light for rear left door storage compartment illumination, Rear exit warning lamp, passenger side

J927	Rear passenger side door control unit
L201	Light 1 for rear left door background lighting
L253	Light for rear left door contour lighting
L257	Light for rear left door storage compartment illumination
T2eg	2-pin connector, black
T4bv	4-pin connector, brown
T4by	4-pin connector, blue
T4ce	4-pin connector, red
T4hl	4-pin connector, black
T4hlx	4-pin connector, black
T6ap	6-pin connector, brown
TTIHL	Coupling point in rear left door
W114	Rear exit warning lamp, passenger side
350	Earth connection 2, in rear left door wiring harness
408	Earth connection 3, in rear left door wiring harness
R58	Connection (entry light), in rear left door wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	Optional equipment
*4	Different wire colour possible
*5	From October 2019

Fuse assignment

From July 2016

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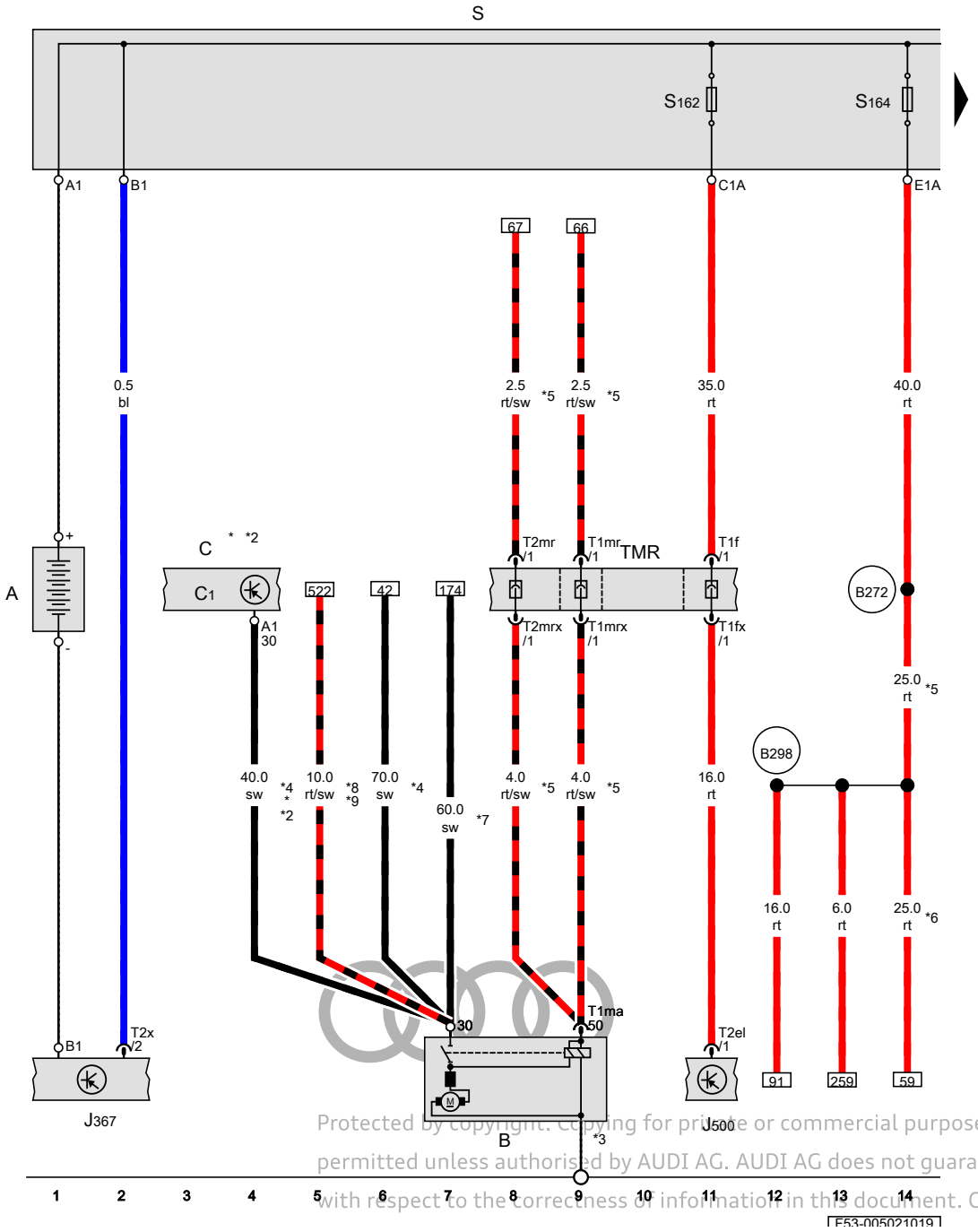

Battery, Starter, Alternator, Fuses in fuse holder

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J367	Battery monitor control unit
J500	Power steering control unit
S	Fuses in fuse holder
S162	Fuse 1 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1f	1-pin connector, black
T1fx	1-pin connector, black
T1ma	1-pin connector, black
T1mr	1-pin connector, black
T1mrx	1-pin connector, black
T2el	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
TMR	Coupling point in engine compartment, right
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
*	For models with no 12 V hybrid system
*2	For models with no 48 V hybrid system
*3	Earth supply via housing
*4	Cross section depends on equipment
*5	According to equipment
*6	For models with natural gas engine
*7	For models with 12 V hybrid system
*8	For models with diesel engine
*9	For models with 3.0l engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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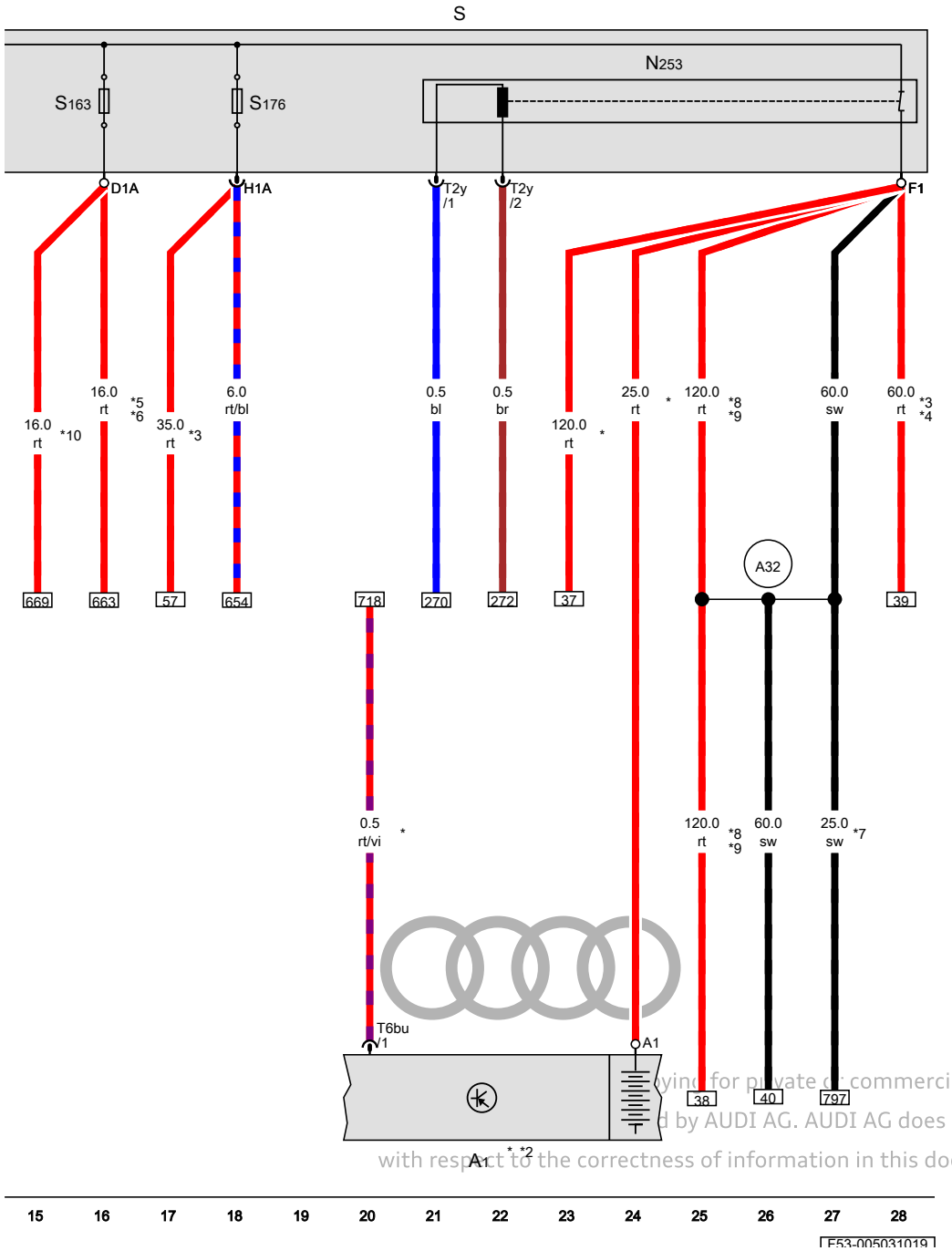

Second battery, Battery isolation igniter, Fuses in fuse holder

A1	Second battery
N253	Battery isolation igniter
S	Fuses in fuse holder
S163	Fuse 2 (30), in battery fuse holder
S176	Fuse 4 (30), in battery fuse holder
T2y	2-pin connector, yellow
T6bu	6-pin connector, black
A32	Positive connection (30), in dash panel wiring harness
*	For models with 12 V hybrid system
*2	see applicable current flow diagram for battery
*3	For models with natural gas engine
*4	For models with petrol engine
*5	Coupé
*6	Sportback
*7	For models with auxiliary air heater
*8	For models with diesel engine
*9	For models with 3.0l engine
*10	For Cabriolet models

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
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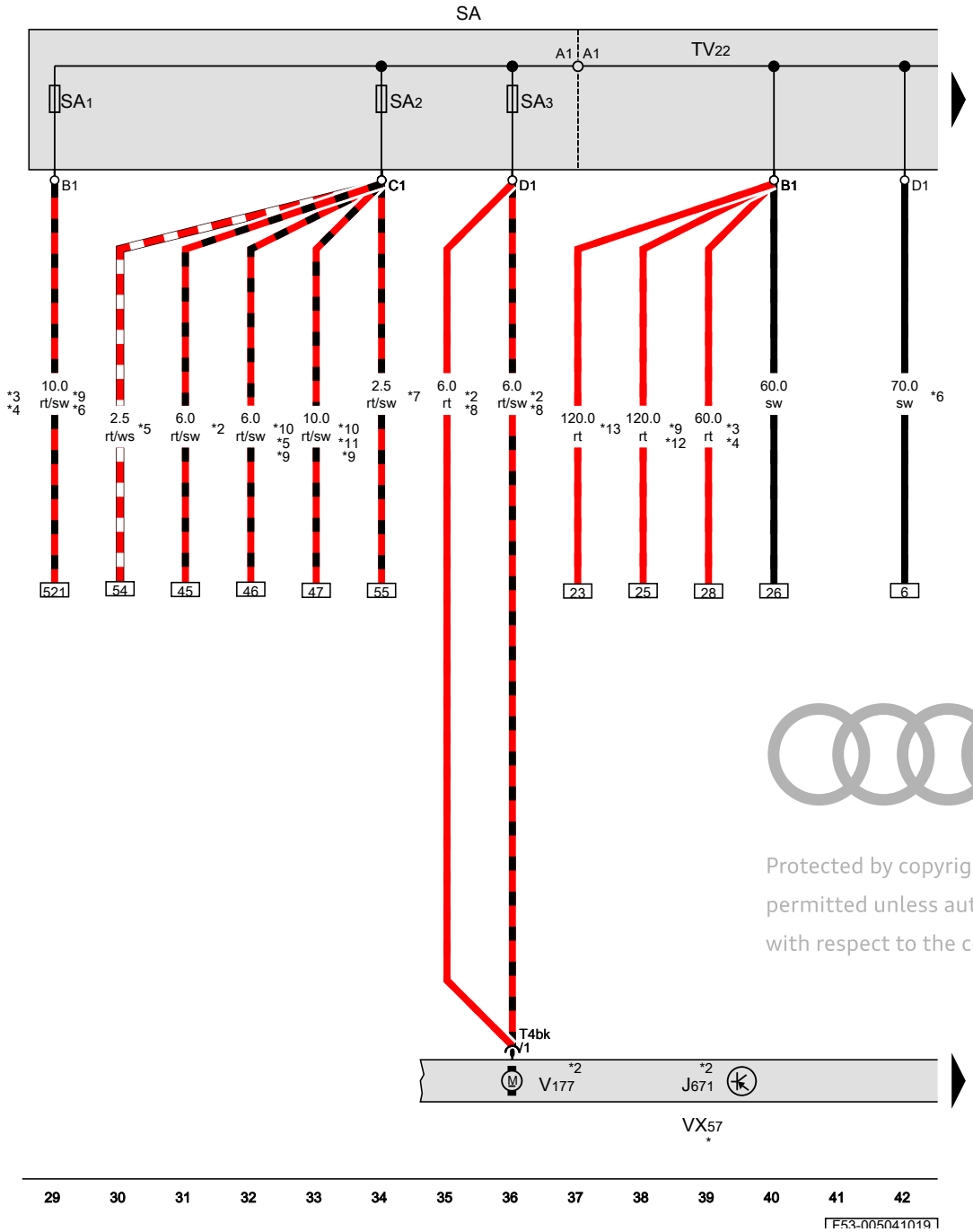

Fuse holder A

J671	Radiator fan control unit 2
SA	Fuse holder A
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
T4bk	4-pin connector, black
TV22	Terminal 30 wiring junction 2
VX57	Radiator fan
V177	Radiator fan 2
*	Pre-wired component
*2	For models with towing bracket
*3	For models with natural gas engine
*4	For models with petrol engine
*5	For models with low fan output
*6	Cross section depends on equipment
*7	Cross-section 4.0 possible
*8	According to equipment
*9	For models with diesel engine
*10	For models with no towing bracket
*11	For models with increased fan output
*12	For models with 3.0l engine
*13	For models with 12 V hybrid system

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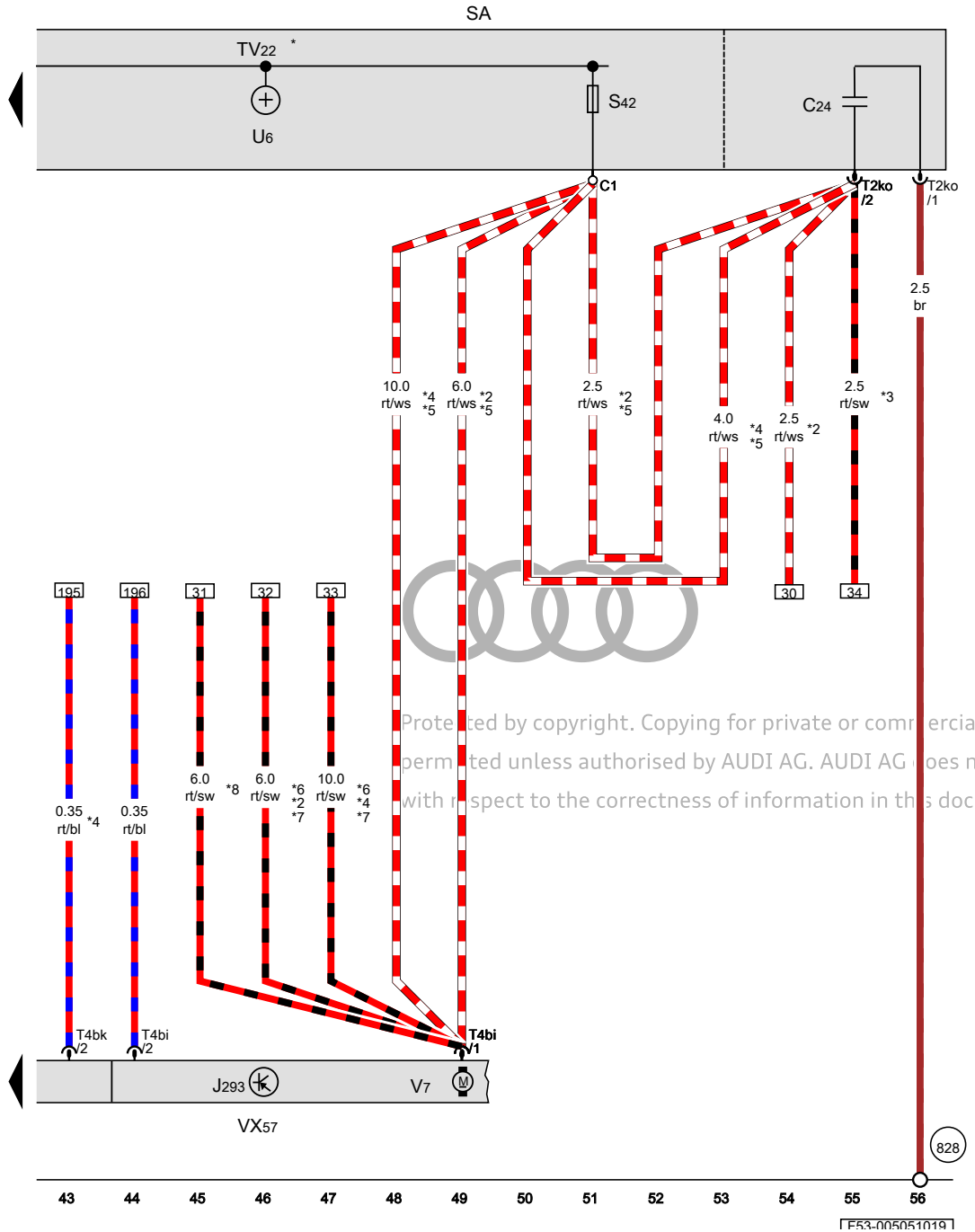

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Suppression filter, Radiator fan control unit, Fuse holder A, Jump start socket

C24	Suppression filter
J293	Radiator fan control unit
S42	Radiator fan single fuse
SA	Fuse holder A
T2ko	2-pin connector, black
T4bi	4-pin connector, black
T4bk	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
828	Earth point on right suspension turret
*	For models with natural gas engine
*2	For models with low fan output
*3	Cross-section 4.0 possible
*4	For models with increased fan output
*5	For models with petrol engine
*6	For models with no towing bracket
*7	For models with diesel engine
*8	For models with towing bracket

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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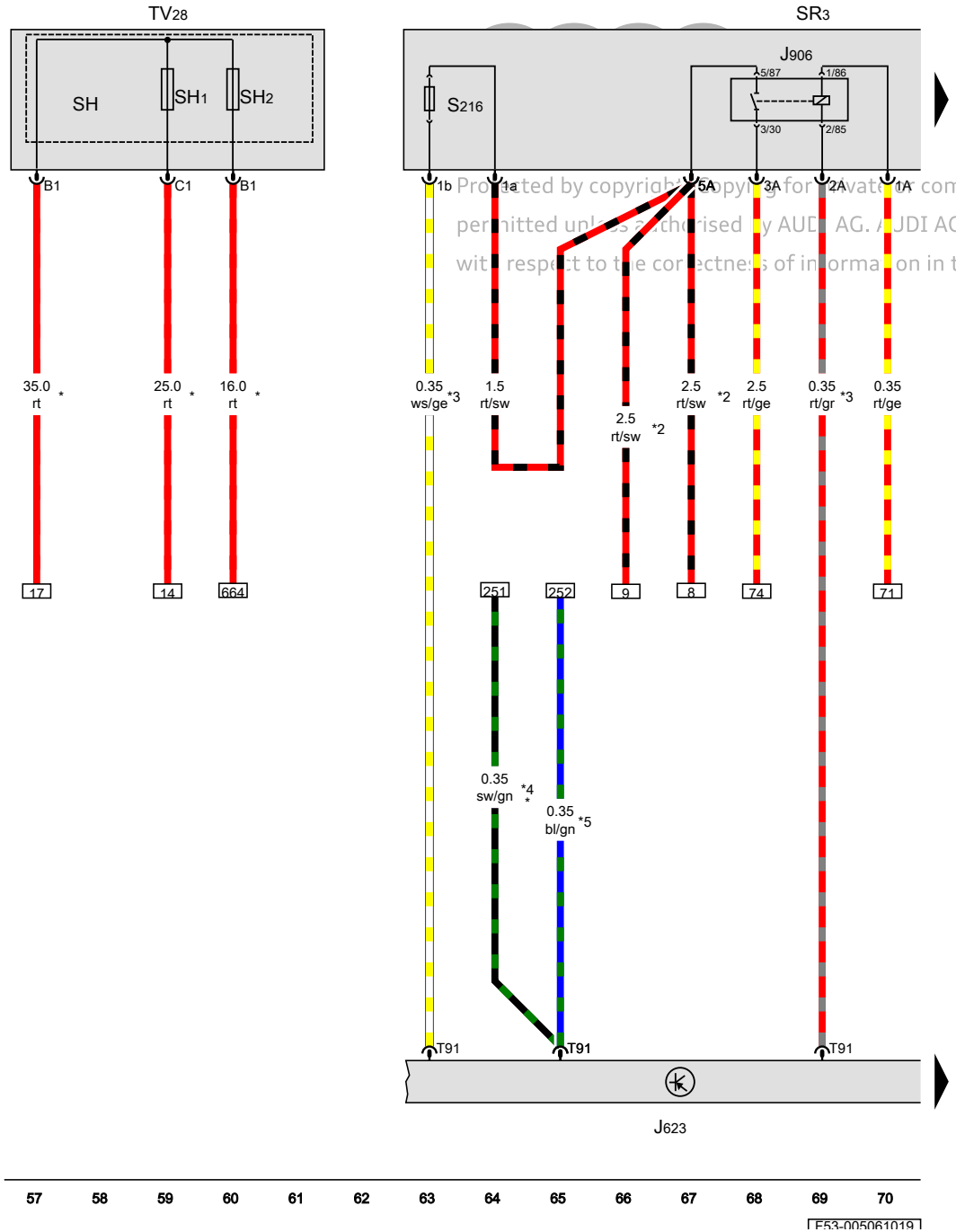

Starter relay 1, Fuse holder H, Relay and fuse carrier 3, Terminal 30 wiring junction 3

J623	Engine/motor control unit
J906	Starter relay 1
SH	Fuse holder H
SH1	Fuse 1 in fuse holder H
SH2	Fuse 2 in fuse holder H
SR3	Relay and fuse carrier 3
S216	Fuse (50)
TV28	Terminal 30 wiring junction 3
T91	91-pin connector, black
*	For models with natural gas engine
*2	According to equipment
*3	see applicable current flow diagram for engine
*4	For models with petrol engine
*5	For models with diesel engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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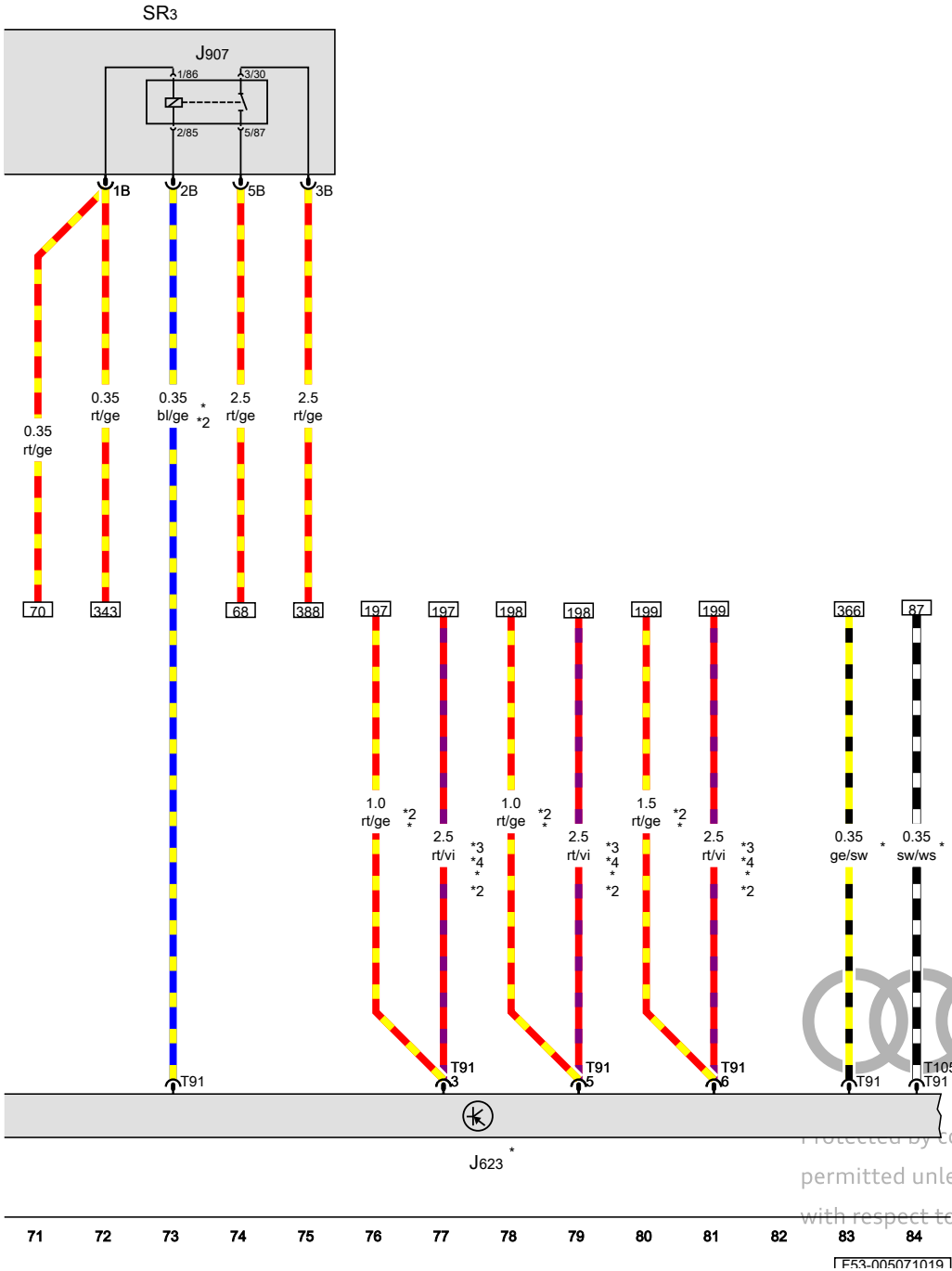

Starter relay 2, Relay and fuse carrier 3

J623	Engine/motor control unit
J907	Starter relay 2
SR3	Relay and fuse carrier 3
T91	91-pin connector, black
T105	105-pin connector, black
*	see applicable current flow diagram for engine
*2	Cross section depends on equipment
*3	For models with natural gas engine
*4	For models with petrol engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
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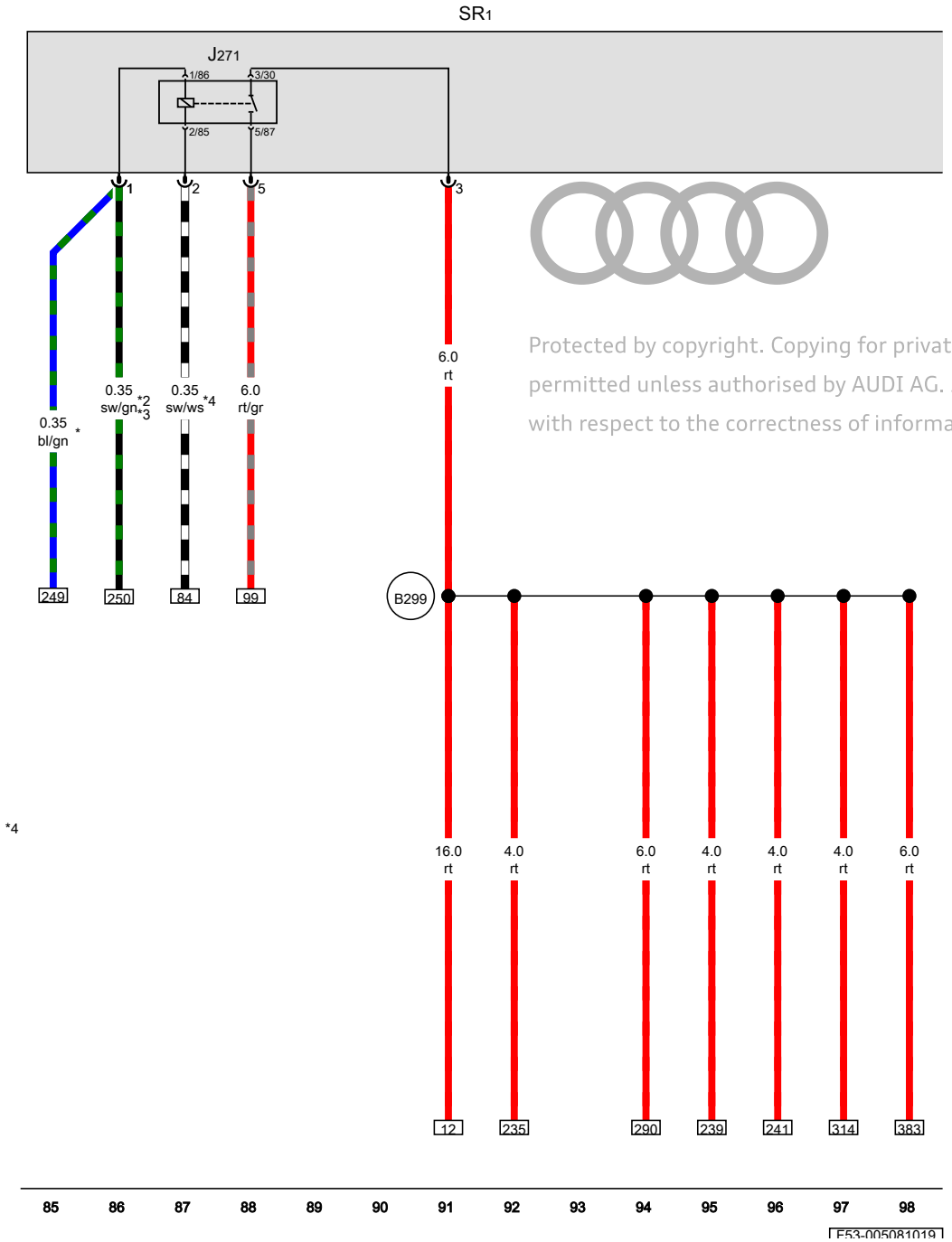

*4

Main relay, Relay and fuse carrier 1

J271	Main relay
SR1	Relay and fuse carrier 1
B299	Positive connection 3 (30), in main wiring harness
*	For models with diesel engine
*2	For models with petrol engine
*3	For models with natural gas engine
*4	see applicable current flow diagram for engine

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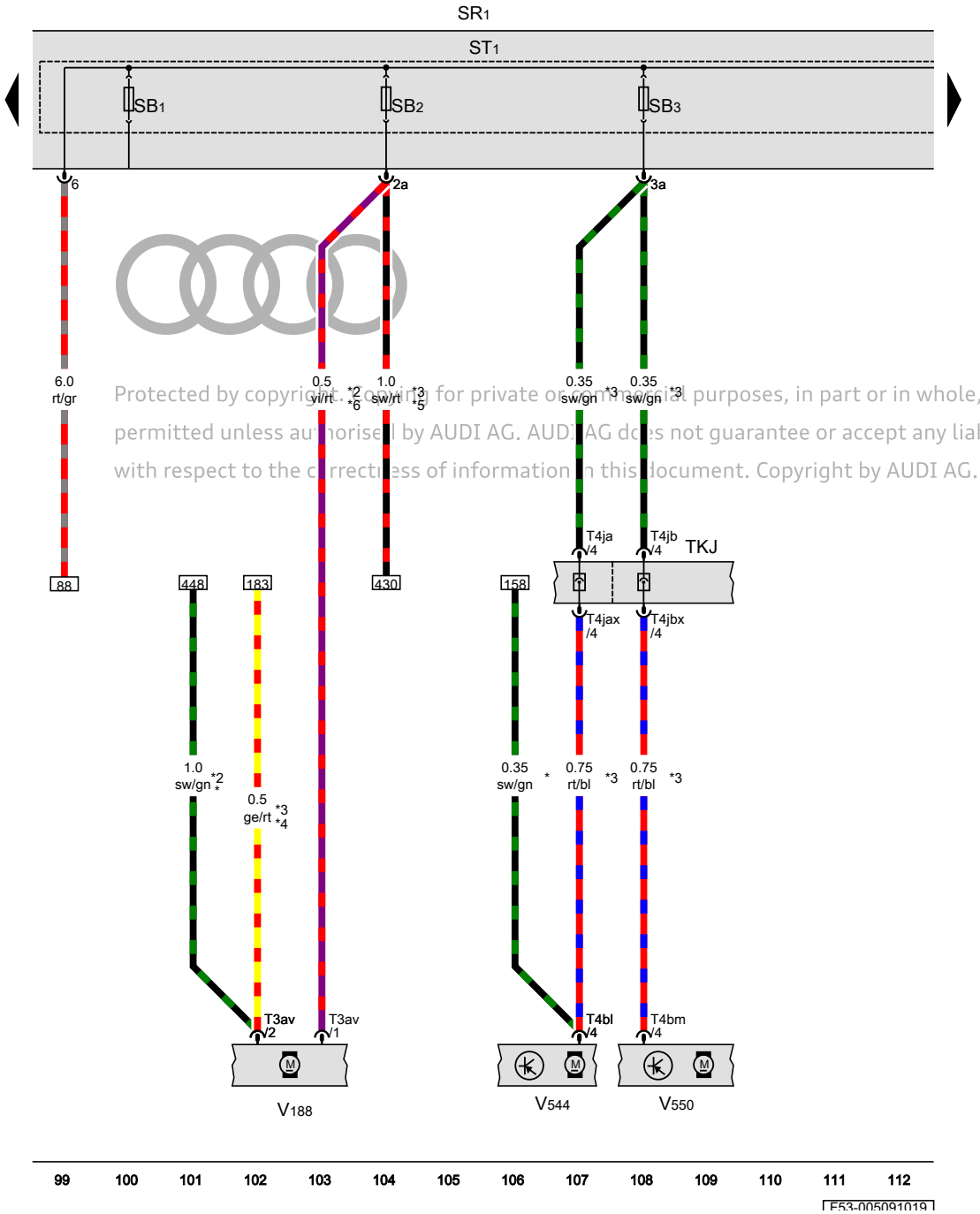
or	=	orange
rs	=	pink



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Fuse carrier 1, Relay and fuse carrier 1

SB1	Fuse 1 on fuse holder B
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
SB3	Fuse 3 on fuse holder B
T3av	3-pin connector, black
T4bl	4-pin connector, black
T4bm	4-pin connector, black
T4ja	4-pin connector, black
T4jax	4-pin connector, black
T4jb	4-pin connector, black
T4jbx	4-pin connector, black
TKJ	Coupling point for radiator blind
V188	Charge air cooling pump
V544	Radiator blind control motor, top
V550	Radiator blind control motor 2, bottom
*	For models with natural gas engine
*2	For models with petrol engine
*3	For models with diesel engine
*4	For models with 2.0l engine
*5	For models with 3.0l engine
*6	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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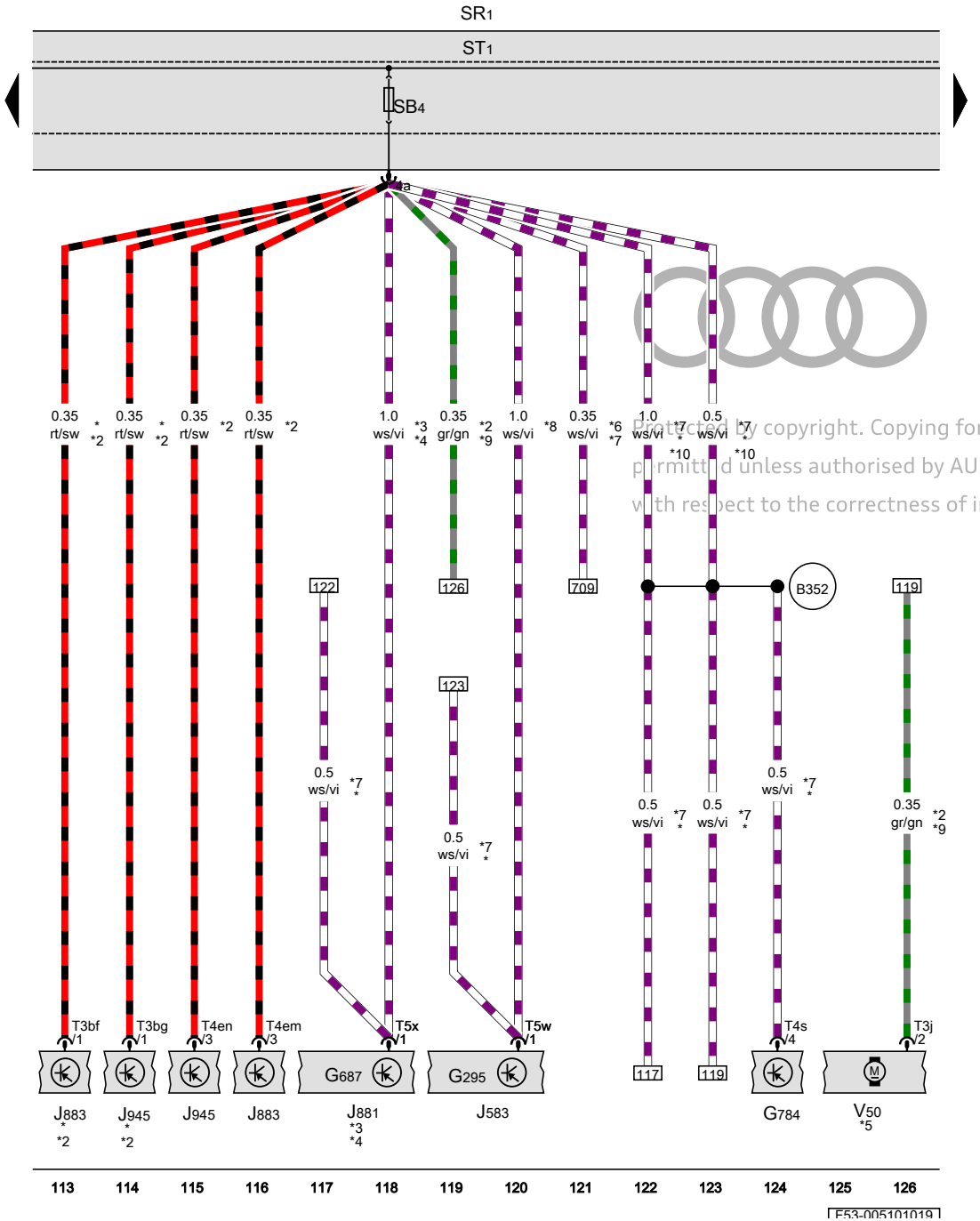

Fuse carrier 1, Relay and fuse carrier 1

G295	NOx sender
G687	NOx sender 2
G784	Particulate sensor
J583	Control unit for NOx sender
J881	Control unit for NOx sender 2
J883	Exhaust flap control unit
J945	Exhaust flap control unit 2
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB4	Fuse 4 on fuse holder B
T3bf	3-pin connector, black
T3bg	3-pin connector, black
T3j	3-pin connector, black
T4em	4-pin connector, black
T4en	4-pin connector, black
T4s	4-pin connector, black
T5w	5-pin connector, black
T5x	5-pin connector
V50	Coolant circulation pump
B352	Positive connection 3 (87a) in main wiring harness

*	For models with 3.0l engine
*2	For models with petrol engine
*3	For emission standard Euro 6 AG/H/I
*4	For emission standard Euro 6 BG/H/I
*5	Heater support function
*6	For models with 2.0l engine
*7	For models with diesel engine
*8	Cross section depends on equipment
*9	For models with natural gas engine
*10	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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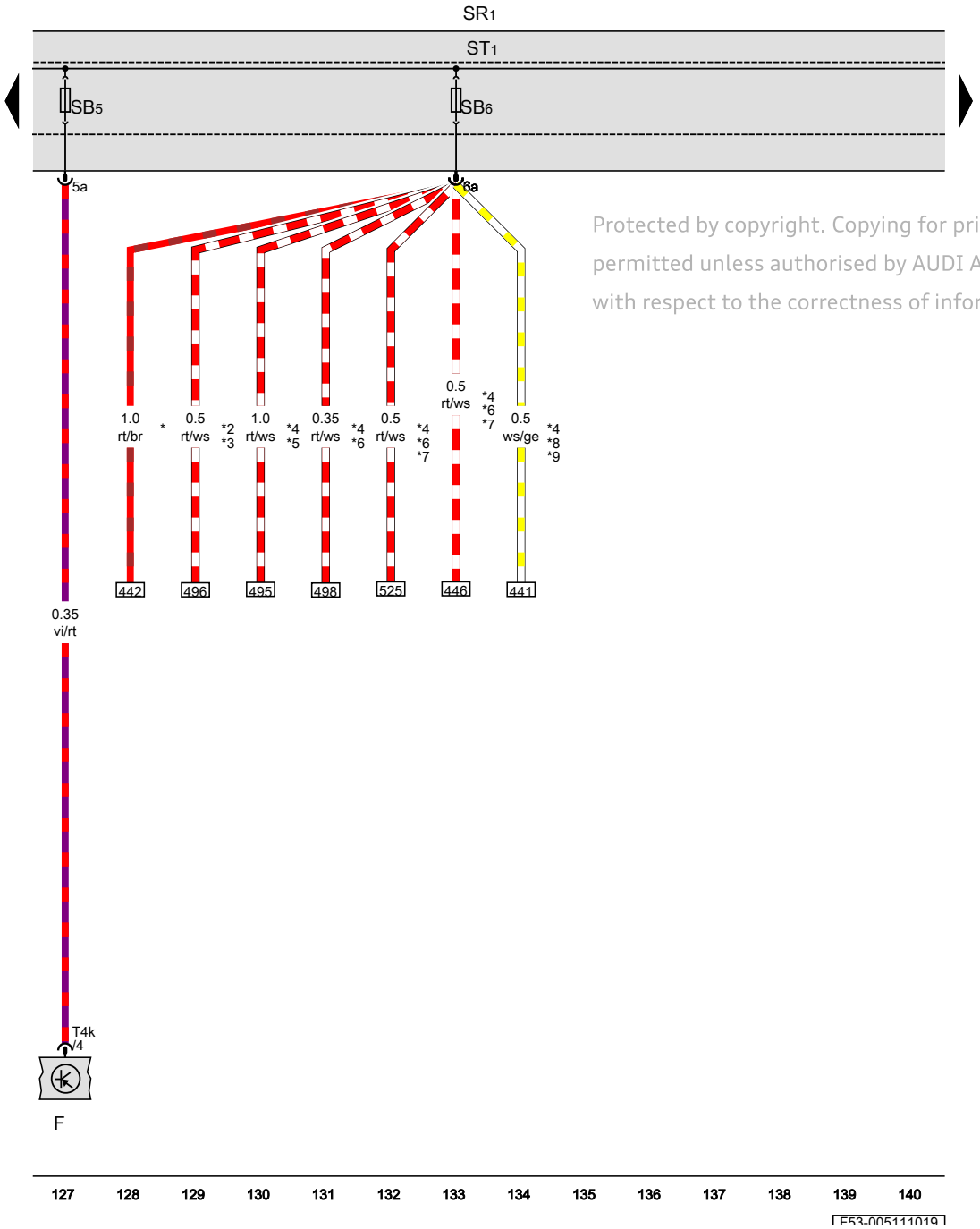

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Relay and fuse carrier 1, Fuse carrier 1

F	Brake light switch
SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
T4k	4-pin connector, black
*	For models with 2.0l petrol engine
*2	For models with petrol engine
*3	For models with 6-cylinder engine
*4	For models with diesel engine
*5	For models with 2.0l engine
*6	For models with 3.0l engine
*7	According to equipment
*8	For emission standard Euro 6 AG/H/I
*9	For emission standard Euro 6 BG/H/I

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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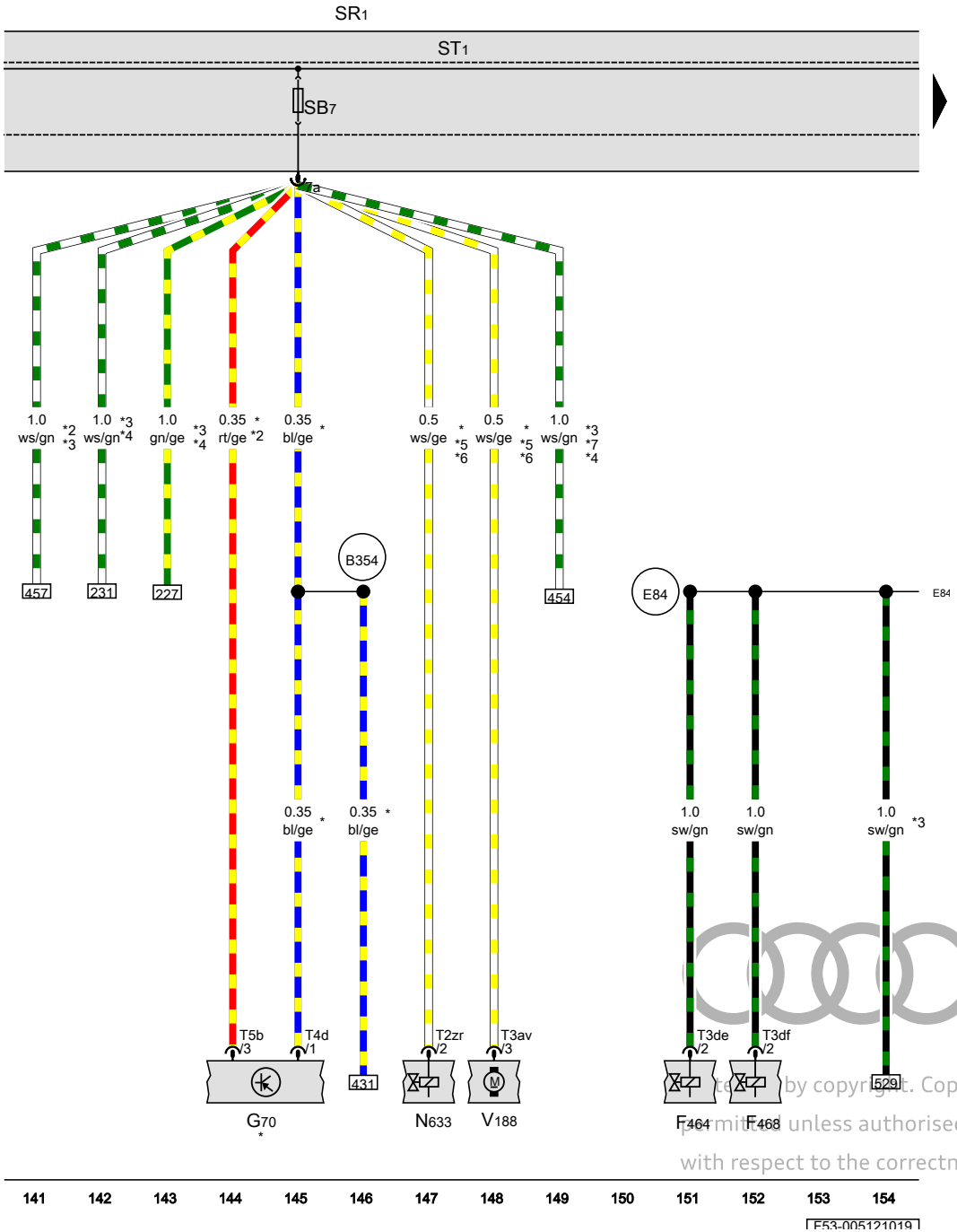

Fuse carrier 1, Relay and fuse carrier 1

F464	Inlet cam actuator 1 for cylinder 5
F468	Inlet cam actuator 1 for cylinder 6
G70	Air mass meter
N633	Coolant changeover valve 2
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB7	Fuse 7 on fuse holder B
T2zr	2-pin connector, black
T3av	3-pin connector, black
T3de	3-pin connector, black
T3df	3-pin connector, black
T4d	4-pin connector, black
T5b	5-pin connector, black
V188	Charge air cooling pump
B354	Positive connection 5 (87a) in main wiring harness
E84	Connection 8 (87a) in engine wiring harness
*	For models with diesel engine
*2	For models with 3.0l engine
*3	For models with petrol engine
*4	see applicable current flow diagram for engine
*5	For emission standard Euro 6 AG/H/I
*6	For emission standard Euro 6 BG/H/I
*7	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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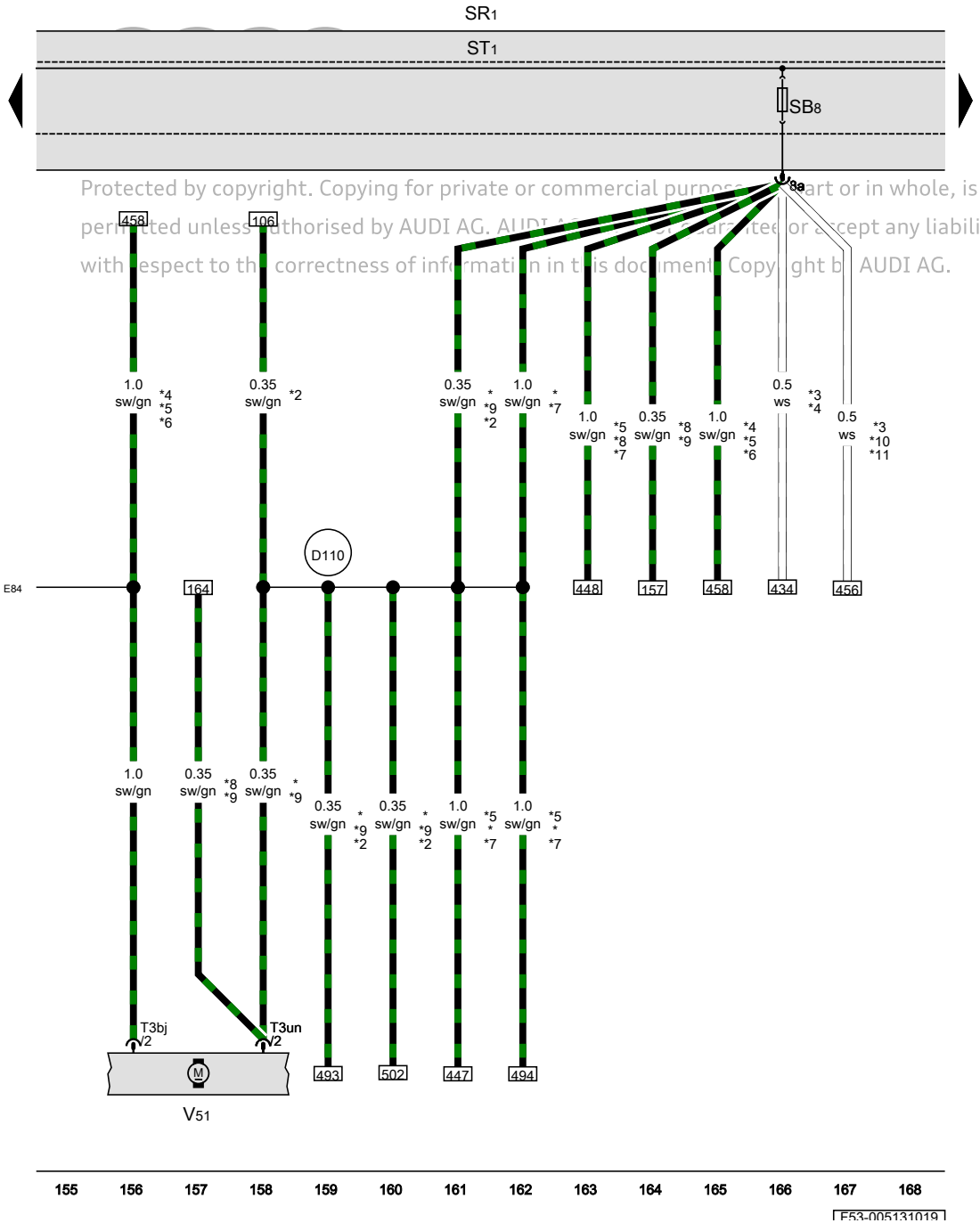

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Fuse carrier 1, Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB8	Fuse 8 on fuse holder B
T3bj	3-pin connector, black
T3un	3-pin connector, black
V51	Continued coolant circulation pump
D110	Connection 8 in engine compartment wiring harness
E84	Connection 8 (87a) in engine wiring harness
*	For models with automatic gearbox
*2	For models with natural gas engine
*3	For models with diesel engine
*4	For models with 3.0l engine
*5	For models with petrol engine
*6	According to equipment
*7	For models with 1.4l engine
*8	For models with manual gearbox
*9	For models with 2.0l petrol engine
*10	For emission standard Euro 6 AG/H/I
*11	For emission standard Euro 6 BG/H/I

ws	=	white
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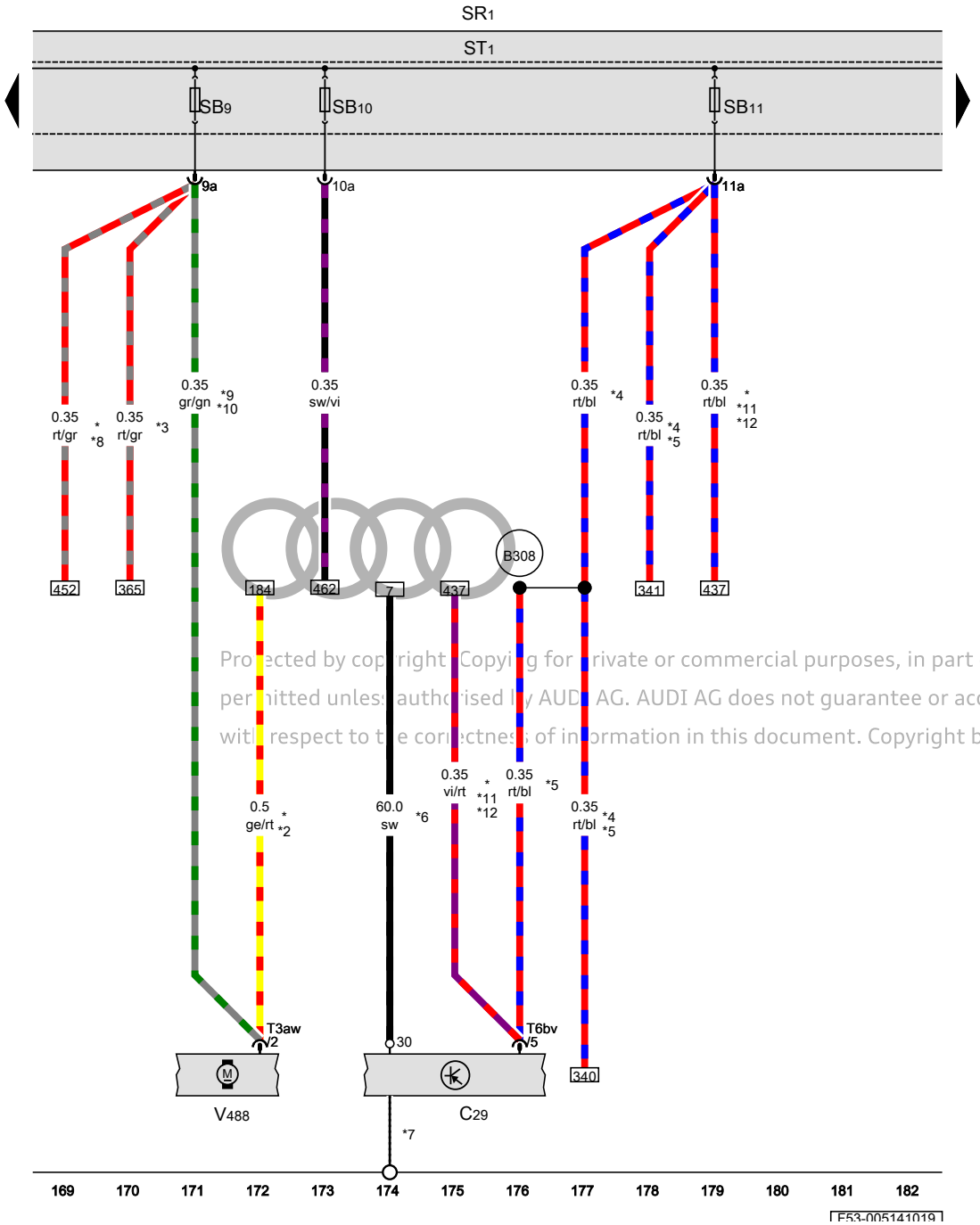

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Starter-alternator, Fuse carrier 1, Relay and fuse carrier 1

C29	Starter-alternator
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
T3aw	3-pin connector, black
T6bv	6-pin connector, black
V488	Auxiliary pump for heating
B308	Positive connection 12 (30), in main wiring harness
*	For models with diesel engine
*2	For models with 2.0l engine
*3	For models with 2.0l petrol engine
*4	For models with manual gearbox
*5	According to equipment
*6	For models with 12 V hybrid system
*7	Earth supply via housing
*8	For models with 3.0l engine
*9	For models with petrol engine
*10	For models with 1.4l engine
*11	For emission standard Euro 6 AG/H/I
*12	For emission standard Euro 6 BG/H/I

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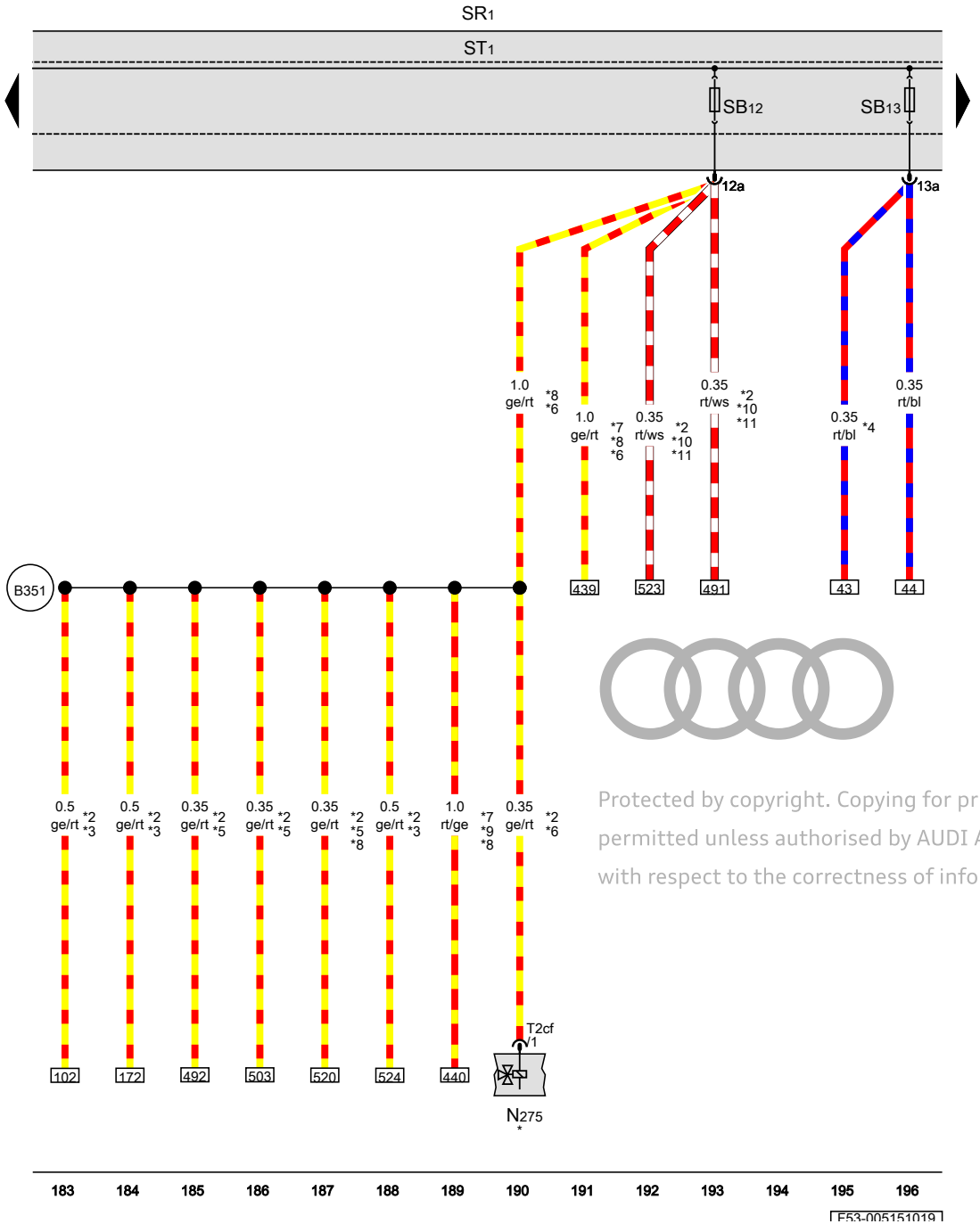

Relay and fuse carrier 1, Fuse carrier 1

N275	Air filter bypass flap valve
SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
T2cf	2-pin connector, black
B351	Positive connection 2 (87a) in main wiring harness
*	see applicable current flow diagram for engine
*2	For models with diesel engine
*3	For models with 2.0l engine
*4	For models with increased fan output
*5	For models with 3.0l engine
*6	Cross section depends on equipment
*7	For models with petrol engine
*8	According to equipment
*9	For models with natural gas engine
*10	For emission standard Euro 6 AG/H/I
*11	For emission standard Euro 6 BG/H/I

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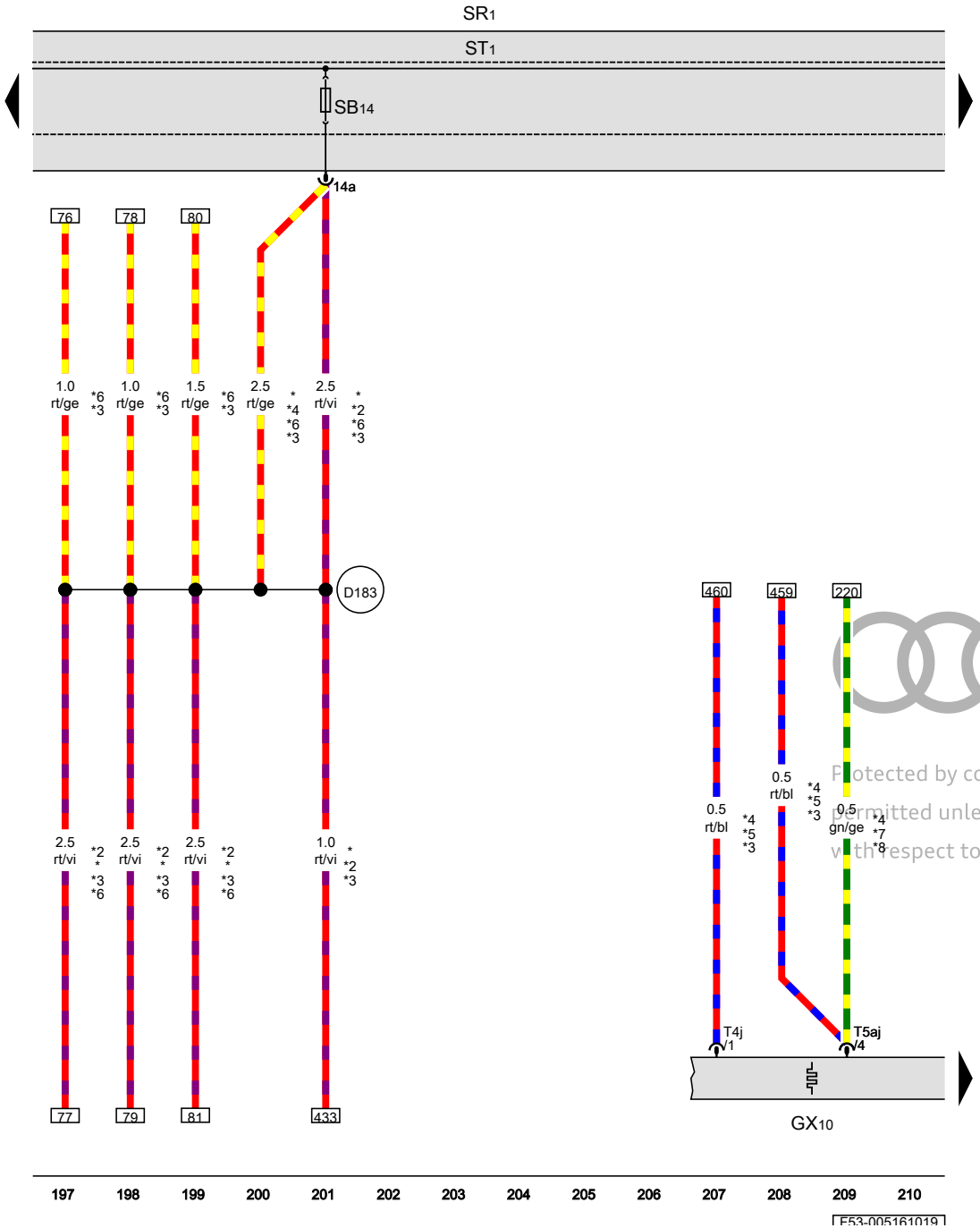

Relay and fuse carrier 1, Fuse carrier 1

GX10	Lambda probe 1 before catalytic converter
SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
SB14	Fuse 14 on fuse holder B
T4j	4-pin connector, black
T5aj	5-pin connector, black
D183	Connection 4 (87a), in engine compartment wiring harness
*	For models with petrol engine
*2	For models with natural gas engine
*3	see applicable current flow diagram for engine
*4	For models with diesel engine
*5	For models with 3.0l engine
*6	Cross section depends on equipment
*7	For emission standard Euro 6 AG/H/I
*8	For emission standard Euro 6 BG/H/I

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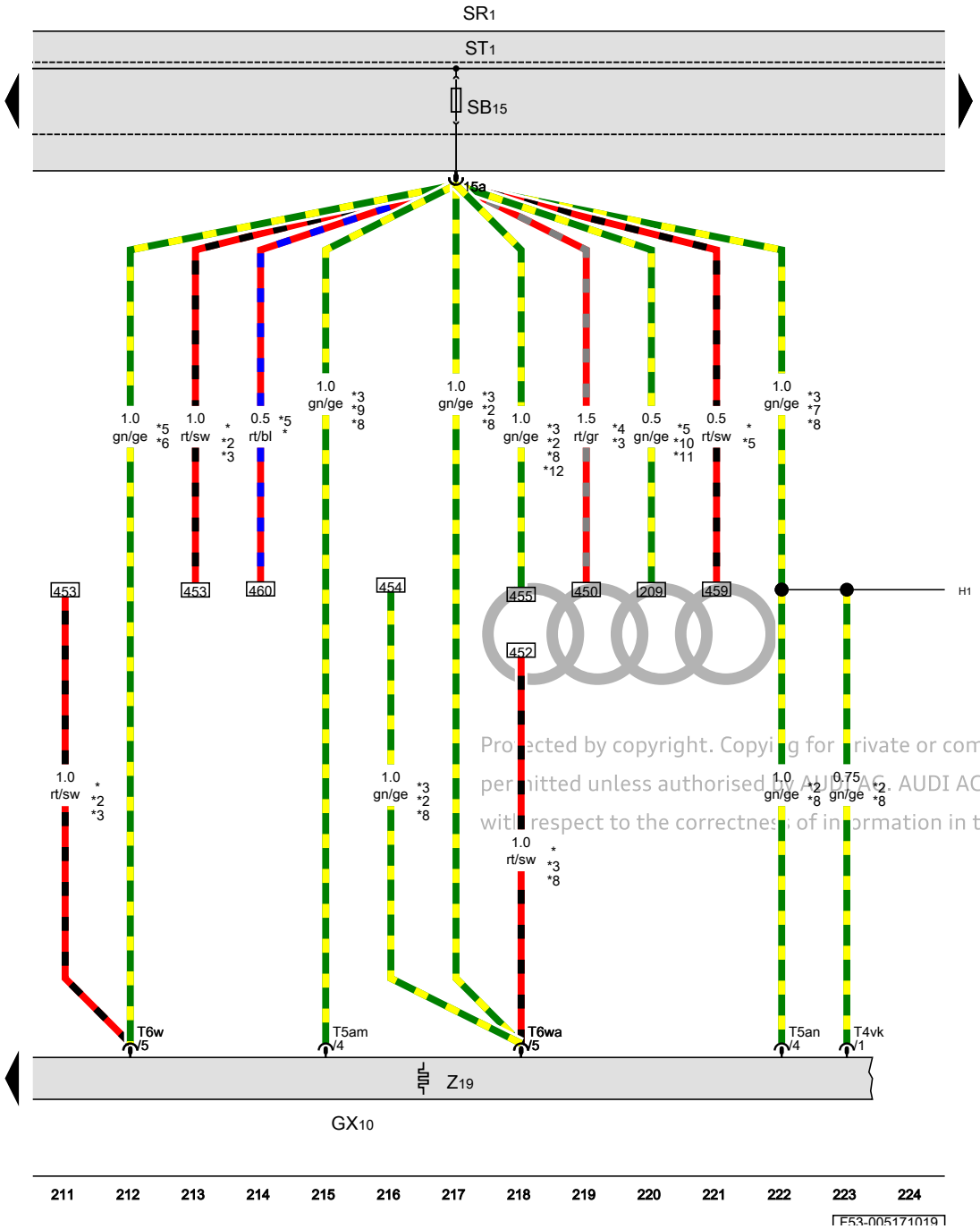

Fuse carrier 1, Relay and fuse carrier 1

GX10	Lambda probe 1 before catalytic converter
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB15	Fuse 15 on fuse holder B
T4vk	4-pin connector, black
T5am	5-pin connector, black
T5an	5-pin connector, grey
T6w	6-pin connector, brown
T6wa	6-pin connector, black
Z19	Lambda probe heater
H1	Positive connection, in Lambda wiring harness
*	For models with 3.0l engine
*2	According to equipment
*3	For models with petrol engine
*4	For models with 1.4l engine
*5	For models with diesel engine
*6	Cross section depends on equipment
*7	For models with natural gas engine
*8	see applicable current flow diagram for engine
*9	For models with 2.0l engine
*10	For emission standard Euro 6 AG/H/I
*11	For emission standard Euro 6 BG/H/I
*12	For American markets

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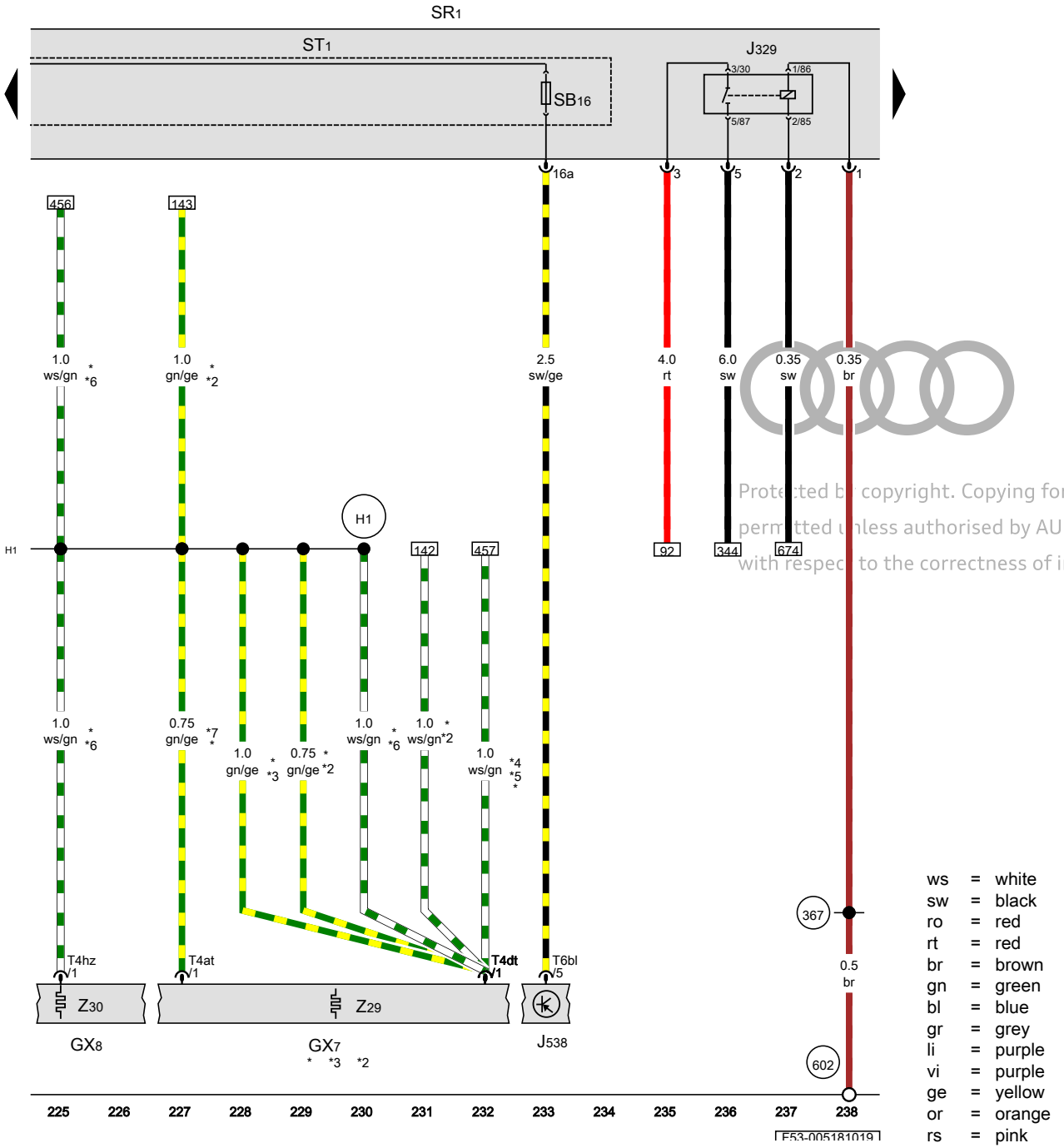

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Terminal 15 voltage supply relay, Fuse carrier 1, Relay and fuse carrier 1, Lambda probe 1 heater after catalytic converter

GX7	Lambda probe 1 after catalytic converter
GX8	Lambda probe 2 after catalytic converter
J329	Terminal 15 voltage supply relay
J538	Fuel pump control unit
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB16	Fuse 16 on fuse holder B
T4at	4-pin connector, brown
T4dt	4-pin connector, black
T4hz	4-pin connector, black
T6bl	6-pin connector, black
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
H1	Positive connection, in Lambda wiring harness

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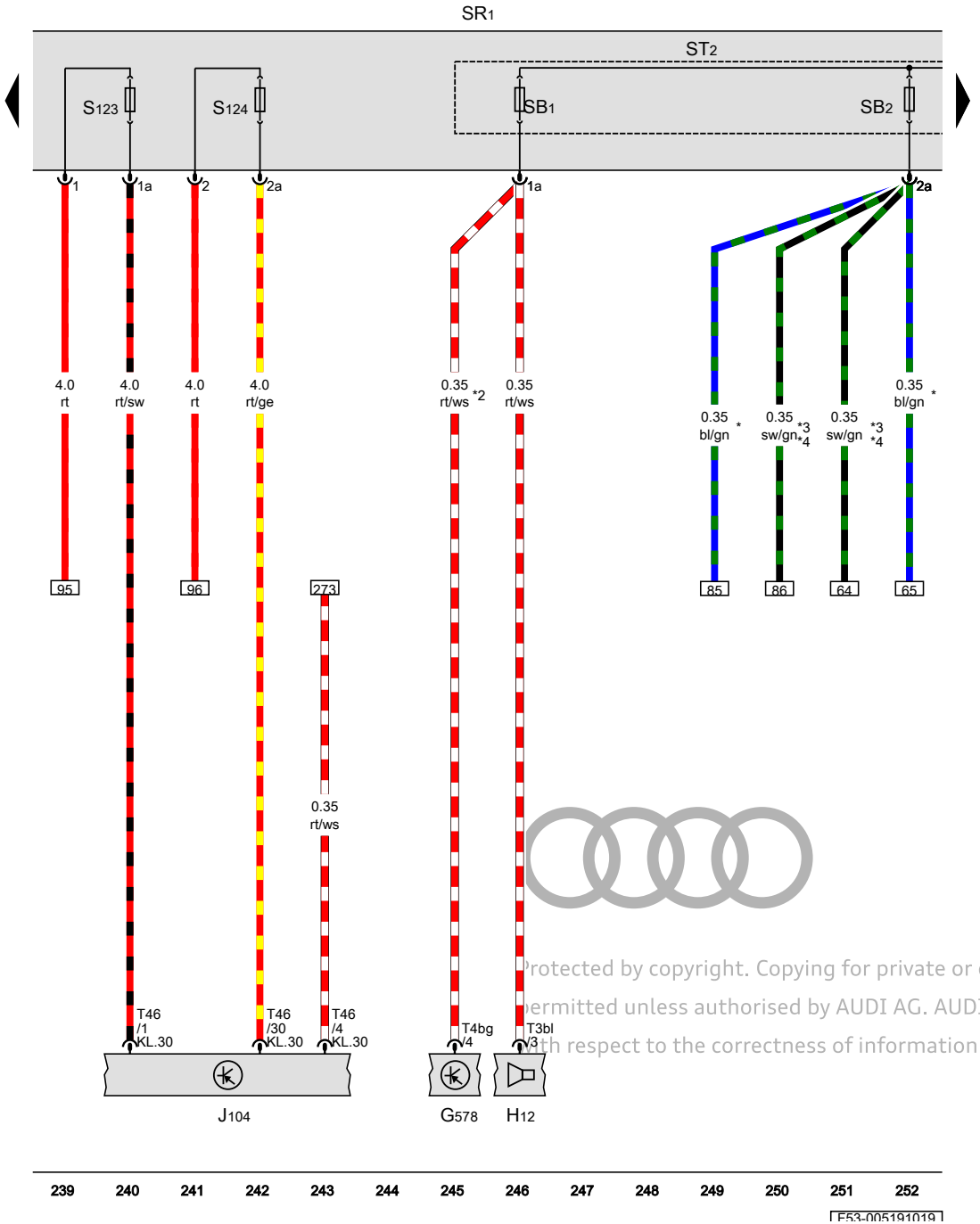
* For models with petrol engine
*2 see applicable current flow diagram for engine
*3 For models with natural gas engine
*4 For models with 3.0l engine
*5 According to equipment
*6 For models with 6-cylinder engine
*7 For models with 1.4l engine



Relay and fuse carrier 1, Fuse carrier 2, ABS control unit fuse 1, ABS control unit fuse 2

G578	Anti-theft alarm sensor
H12	Alarm horn
J104	ABS control unit
SR1	Relay and fuse carrier 1
SB1	Fuse 1 on fuse holder B
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
S123	ABS control unit fuse 1
S124	ABS control unit fuse 2
T3bl	3-pin connector, black
T4bg	4-pin connector, black
T46	46-pin connector, black
*	For models with diesel engine
*2	Anti-theft alarm system with interior monitoring
*3	For models with petrol engine
*4	For models with natural gas engine

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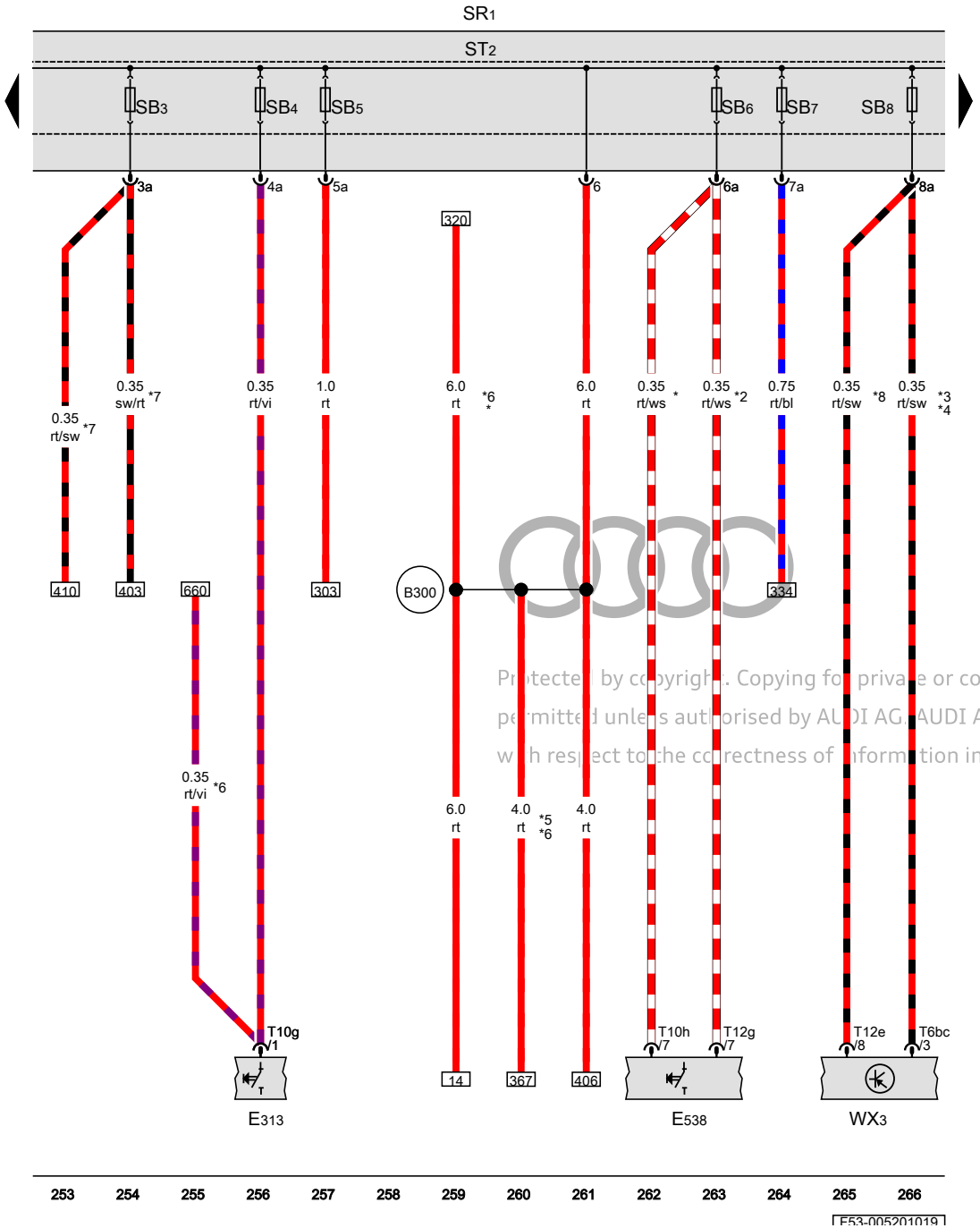

Relay and fuse carrier 1, Fuse carrier 2

E313	Selector lever
E538	Electromechanical parking brake button
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
T6bc	6-pin connector, black
T10g	10-pin connector, black
T10h	10-pin connector, red
T12e	12-pin connector, black
T12g	12-pin connector, black
WX3	Front roof module
B300	Positive connection 4 (30), in main wiring harness
*	For models with automatic gearbox
*2	For models with manual gearbox
*3	Sportback
*4	Coupé
*5	For models with petrol engine
*6	For models with natural gas engine
*7	According to equipment
*8	For Cabriolet models

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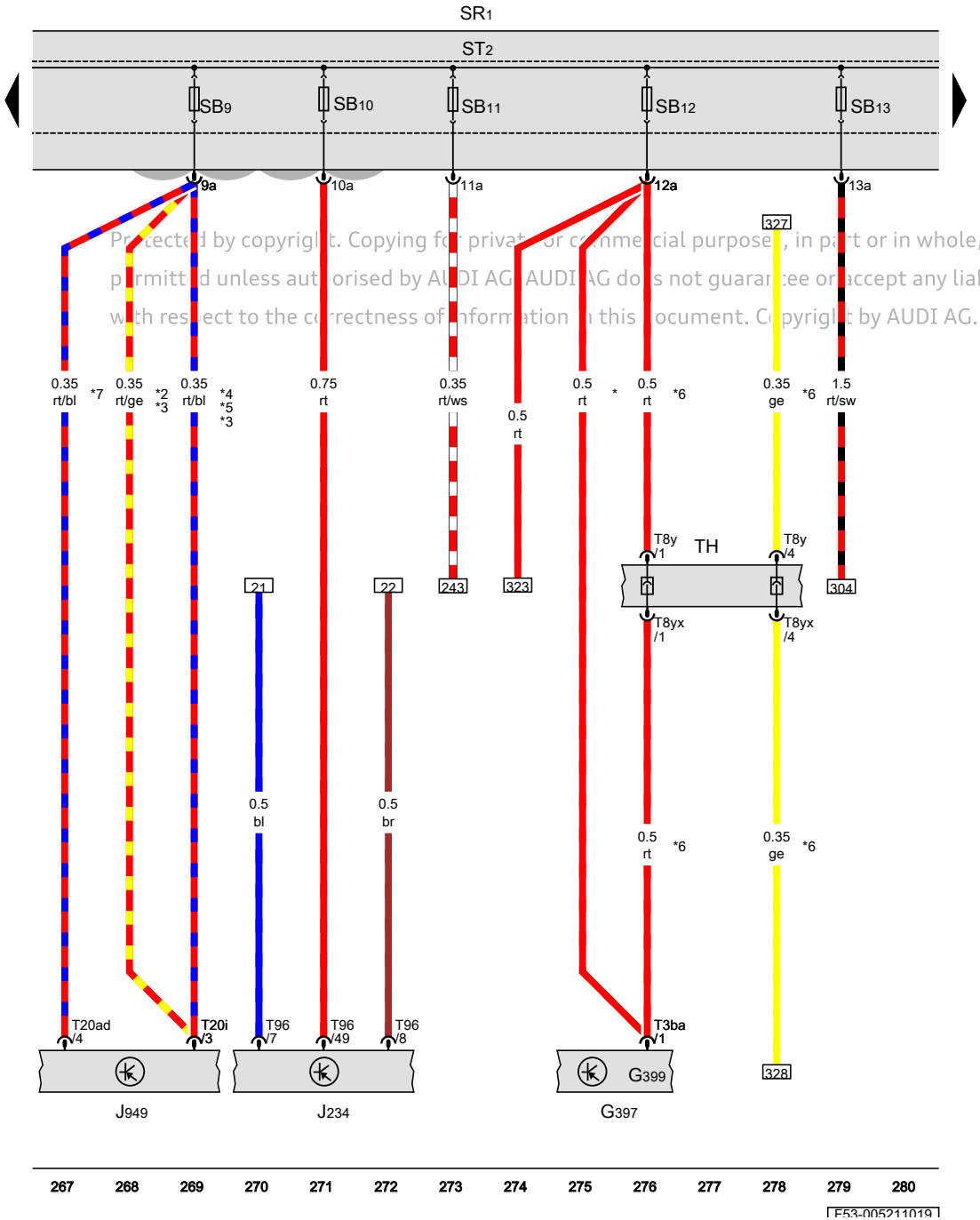

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Relay and fuse carrier 1, Fuse carrier 2

G397	Rain and light sensor
G399	Light sensor
J234	Airbag control unit
J949	Emergency call module control unit and communication unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
T3ba	3-pin connector, black
T8y	8-pin connector, black
T8yx	8-pin connector, black
T20ad	20-pin connector, black
T20i	20-pin connector, black
T96	96-pin connector, yellow
TH	Coupling point for roof
*	For models with no main beam assist
*2	For Cabriolet models
*3	Up to September 2019
*4	Sportback
*5	Coupé
*6	For models with main beam assist
*7	From October 2019

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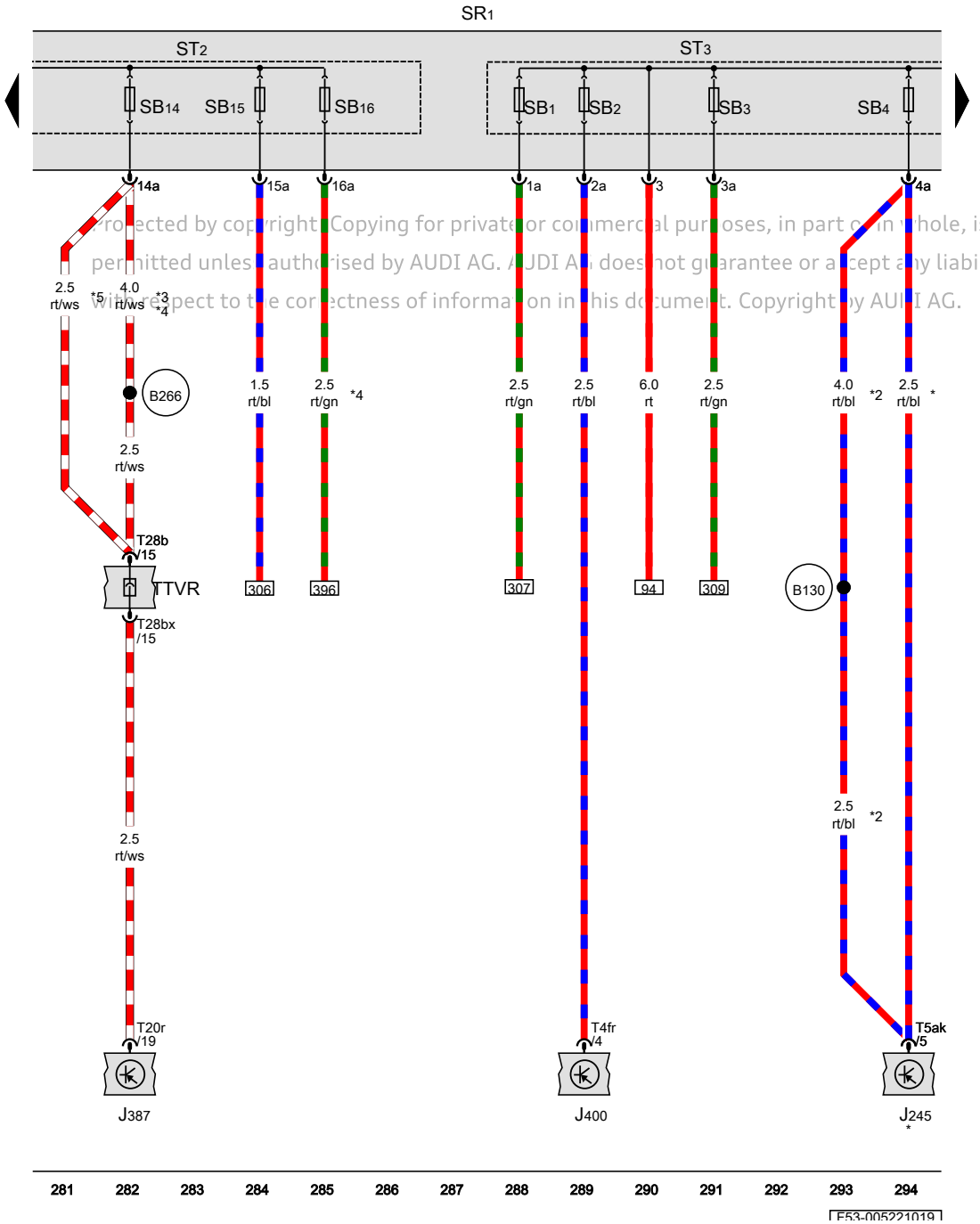

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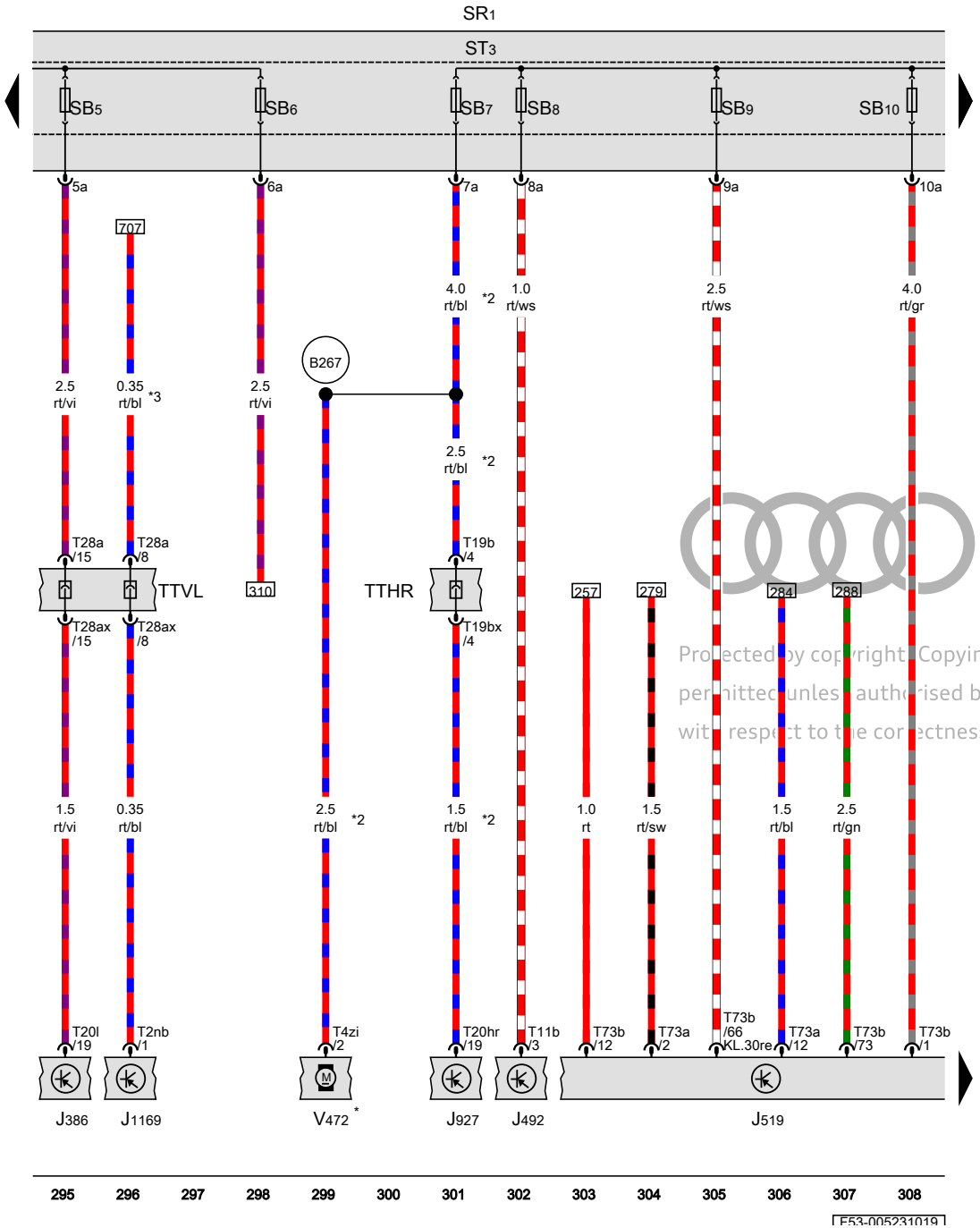
Relay and fuse carrier 1, Fuse carrier 2, Fuse carrier 3

J245	Sliding sunroof adjustment control unit
J387	Front passenger door control unit
J400	Wiper motor control unit
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
ST3	Fuse carrier 3, black
SB3	Fuse 3 on fuse holder B
SB4	Fuse 4 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
T4fr	4-pin connector, black
T5ak	5-pin connector, black
T20r	20-pin connector, white
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVR	Coupling point for front right door
B130	Connection (sliding sunroof), in interior wiring harness
B266	Positive connection 1 (30a, door control unit), in interior wiring harness
*	For models with panoramic sliding sunroof
*2	According to equipment
*3	Coupé
*4	For Cabriolet models
*5	Sportback



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Relay and fuse carrier 1, Fuse carrier 3

J386	Driver door control unit
J492	All-wheel drive control unit
J519	Onboard supply control unit
J927	Rear passenger side door control unit
J1169	Near field communication control unit
SR1	Relay and fuse carrier 1
ST3	Fuse carrier 3, black
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
T2nb	2-pin connector
T4zi	4-pin connector
T11b	11-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T20hr	20-pin connector, white
T20l	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
TTHR	Coupling point for rear right door
TTVL	Coupling point for front left door
V472	Rear passenger side window regulator motor
B267	Positive connection 2 (30a, door control unit), in interior wiring harness
*	Pre-wired component
*2	For Cabriolet models
*3	According to equipment

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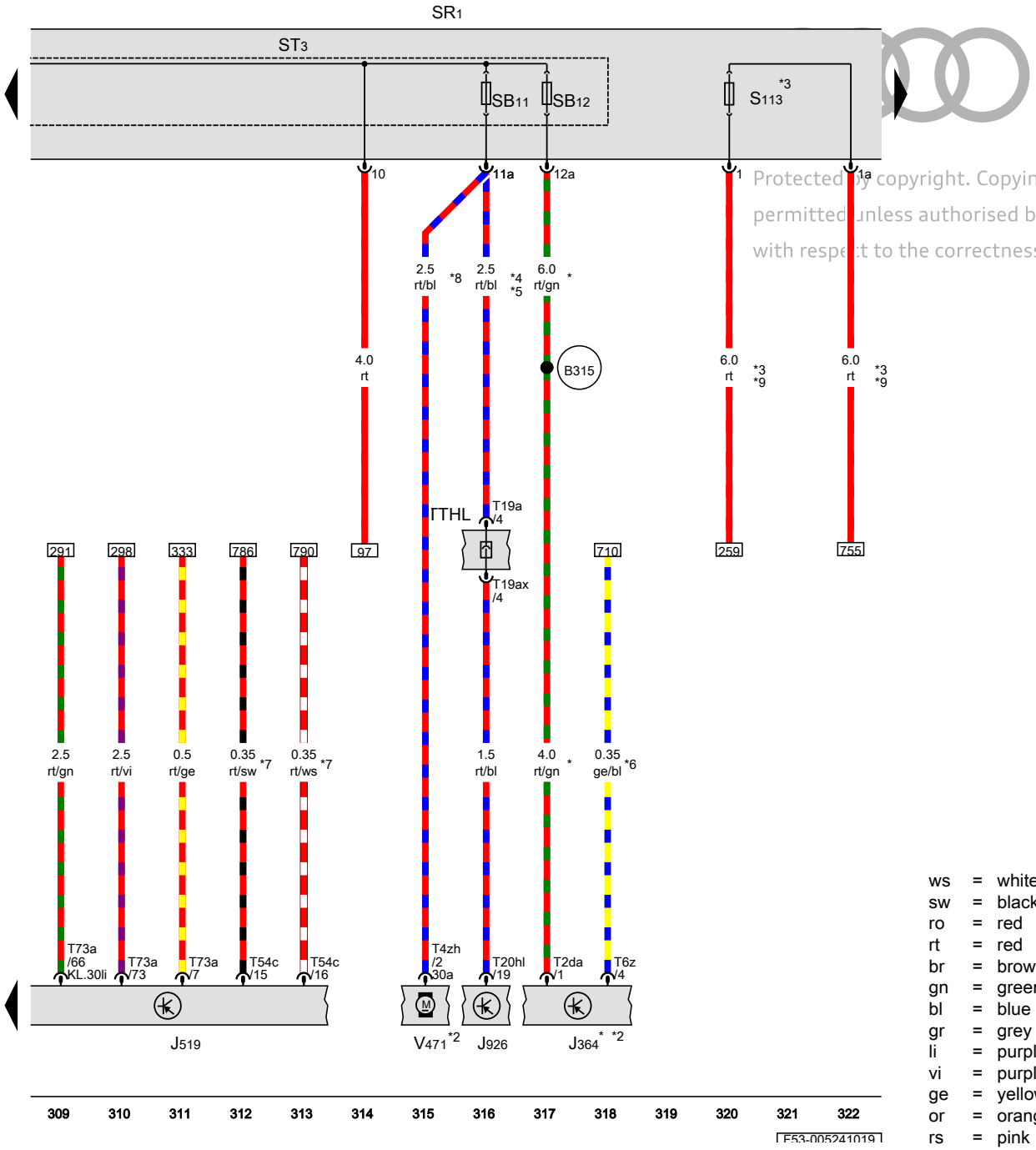

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Relay and fuse carrier 1, Fuse carrier 3, Automatic gearbox control unit fuse

J364	Auxiliary heater control unit
J519	Onboard supply control unit
J926	Rear driver side door control unit
SR1	Relay and fuse carrier 1
ST3	Fuse carrier 3, black
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
S113	Automatic gearbox control unit fuse
T2da	2-pin connector
T4zh	4-pin connector
T6z	6-pin connector, black
T19a	19-pin connector, black
T19ax	19-pin connector, black
T20hl	20-pin connector, white
T54c	54-pin connector, black
T73a	73-pin connector, black
TTHL	Coupling point for rear left door
V471	Rear driver side window regulator motor
B315	Positive connection 1 (30a) in main wiring harness
*	For models with auxiliary heating
*2	Pre-wired component
*3	For models with natural gas engine
*4	Coupé
*5	Sportback
*6	According to equipment
*7	For models with auxiliary air heater
*8	For Cabriolet models
*9	For models with automatic gearbox

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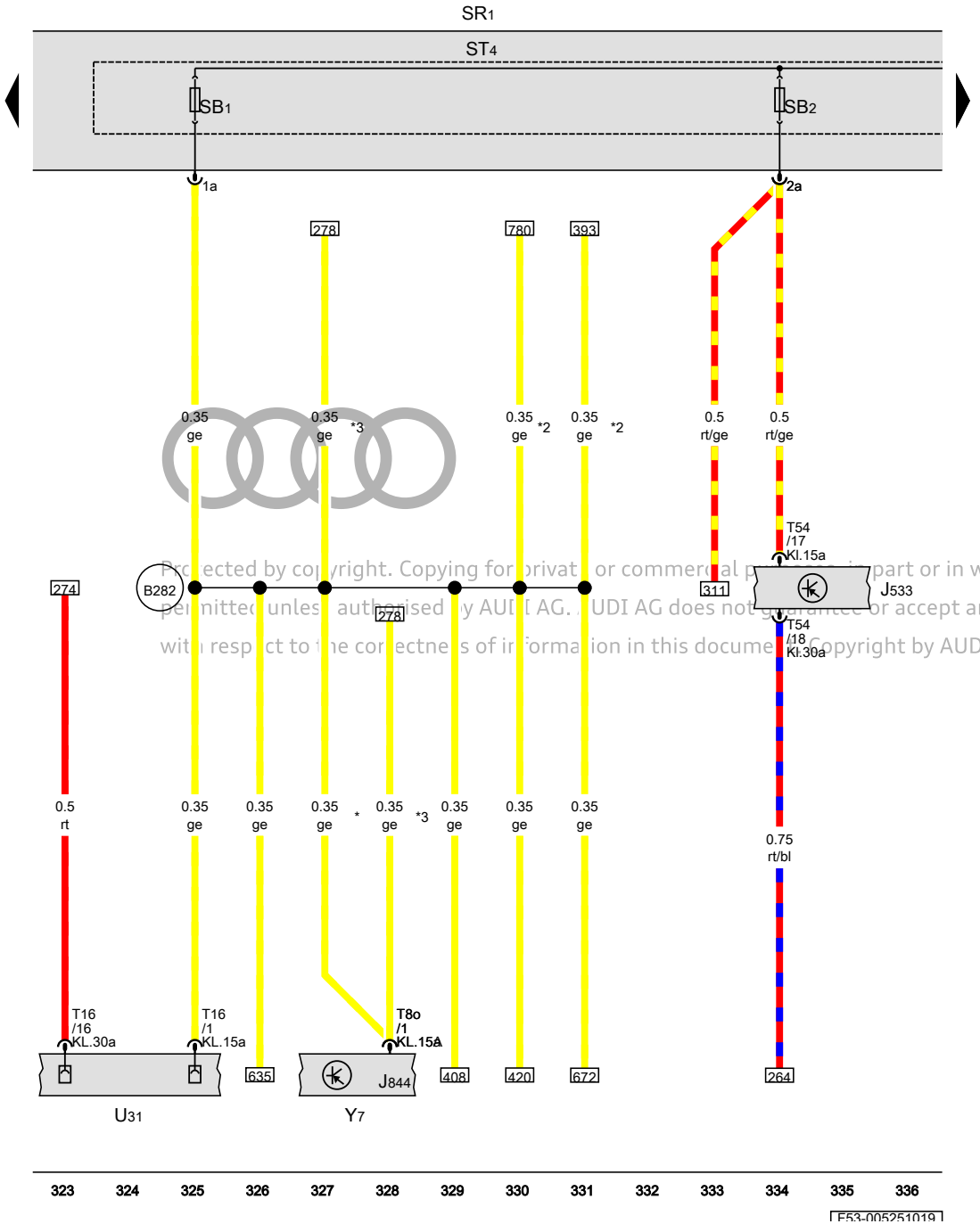

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Relay and fuse carrier 1, Fuse carrier 4

J533	Data bus diagnostic interface
J844	Main beam assist control unit
SR1	Relay and fuse carrier 1
SB1	Fuse 1 on fuse holder B
SB2	Fuse 2 on fuse holder B
ST4	Fuse carrier 4, black
T8o	8-pin connector, black
T16	16-pin connector, black
T54	54-pin connector, black
U31	Diagnostic connection
Y7	Automatic anti-dazzle interior mirror
B282	Positive connection 6 (15a) in main wiring harness
*	For models with no main beam assist
*2	For Cabriolet models
*3	For models with main beam assist

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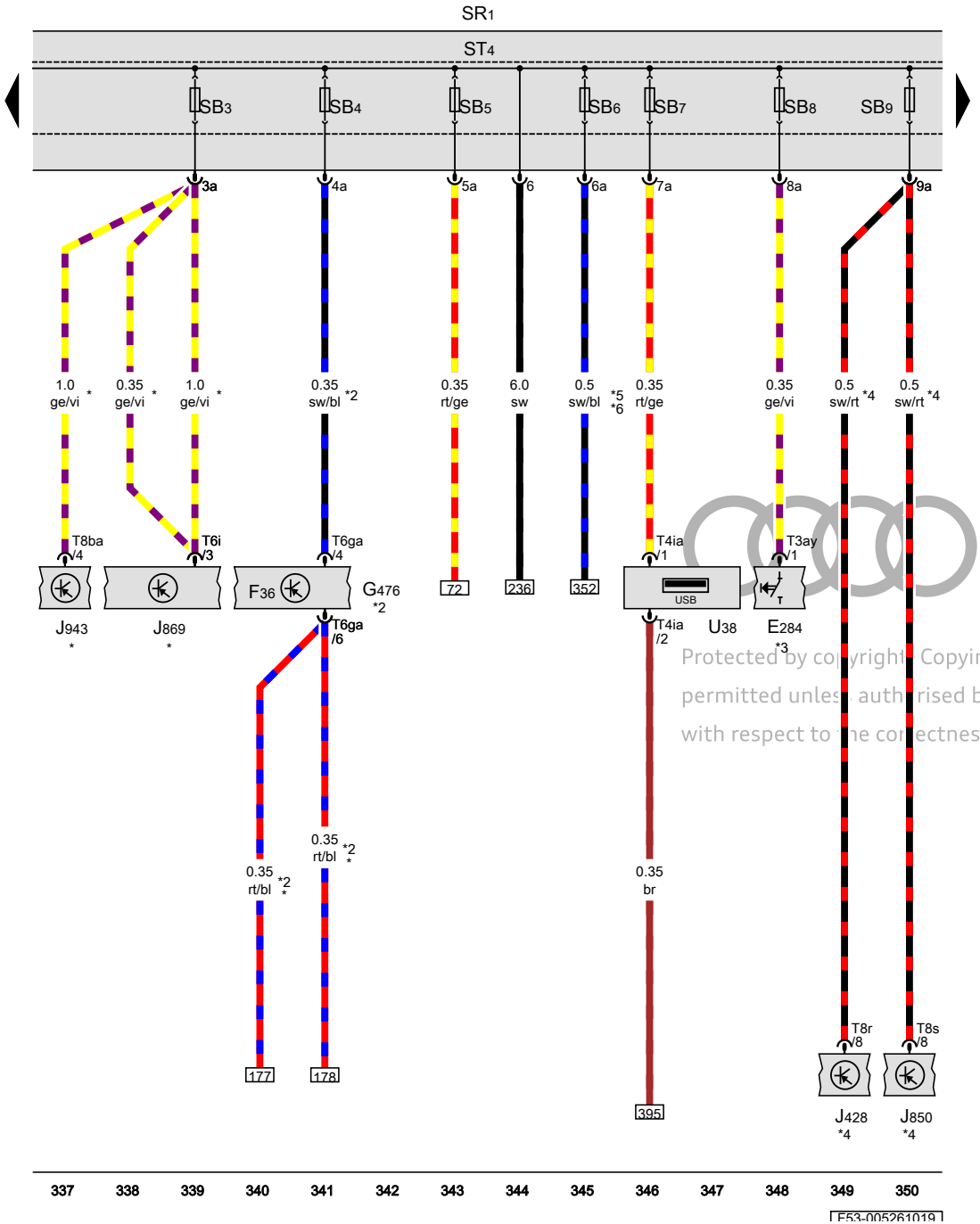

Relay and fuse carrier 1, Fuse carrier 4

E284	Garage door operating unit
F36	Clutch pedal switch
G476	Clutch position sender
J428	Adaptive cruise control unit
J850	Control unit 2 for adaptive cruise control
J869	Control unit for structure-borne sound
J943	Engine sound generator control unit
SR1	Relay and fuse carrier 1
SB3	Fuse 3 on fuse holder B
SB4	Fuse 4 on fuse holder B
ST4	Fuse carrier 4, black
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
T3ay	3-pin connector, brown
T4ia	4-pin connector, red
T6ga	6-pin connector, black
T6i	6-pin connector, black
T8ba	8-pin connector, black
T8r	8-pin connector, black
T8s	8-pin connector, black
U38	USB charging socket 2
*	According to equipment
*2	For models with manual gearbox
*3	For models with garage door opener
*4	For models with adaptive cruise control (ACC)
*5	For models with special equipment, driving aids for disabled persons
*6	For Cabriolet models

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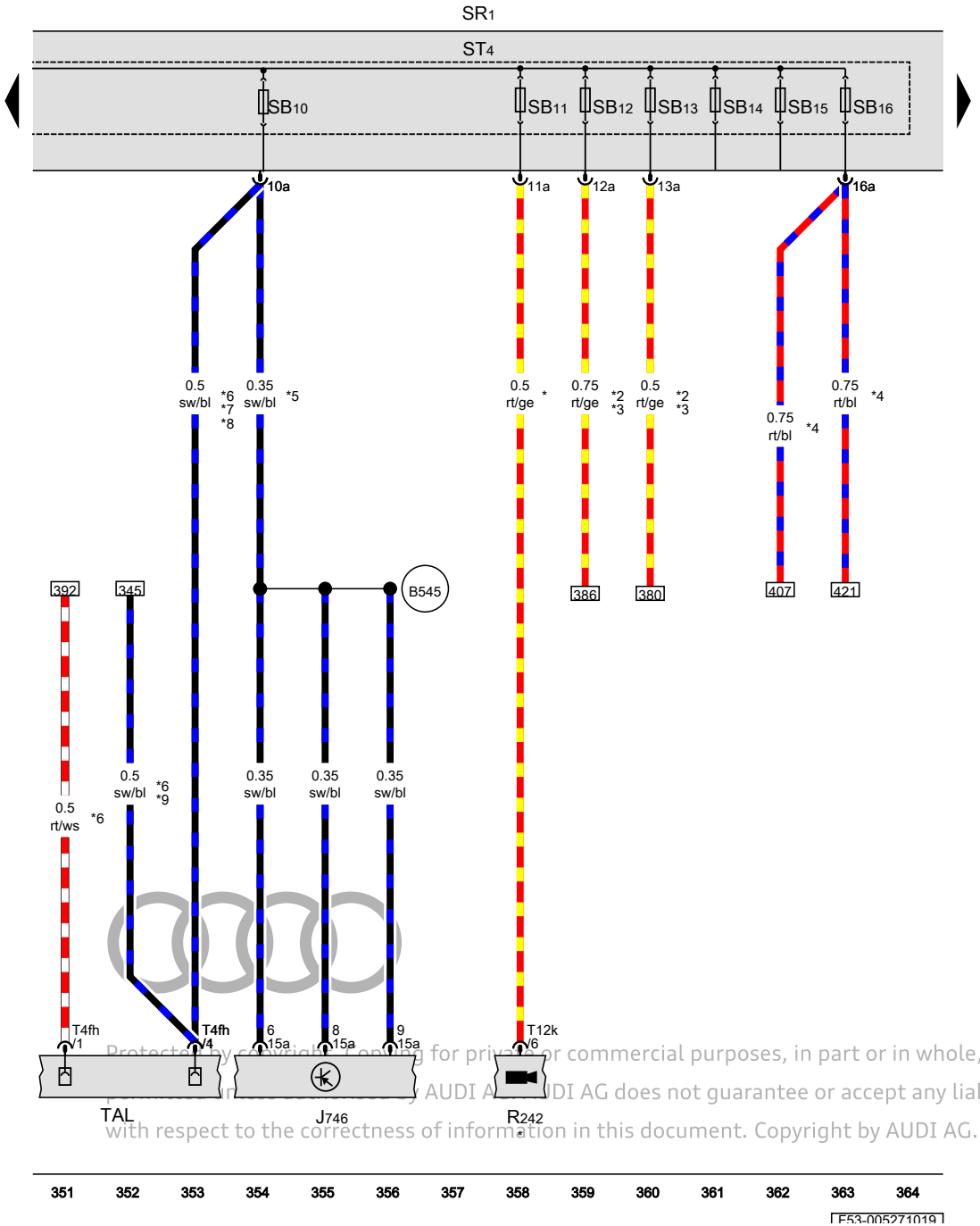

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Driving school mode relay, Relay and fuse carrier 1, Fuse carrier 4

J746	Driving school mode relay
R242	Front camera for driver assist systems
SR1	Relay and fuse carrier 1
ST4	Fuse carrier 4, black
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
T4fh	4-pin connector, black
T12k	12-pin connector, black
TAL	Coupling point on left A-pillar
B545	Positive connection (15a), in driving school vehicle wiring harness
*	For driver assist systems
*2	For models with LED headlights
*3	Up to September 2019
*4	For models with preparation for Rear Seat Entertainment (RSE)
*5	Only applicable to special vehicles
*6	For models with special equipment, driving aids for disabled persons
*7	Sportback
*8	Coupé
*9	For Cabriolet models

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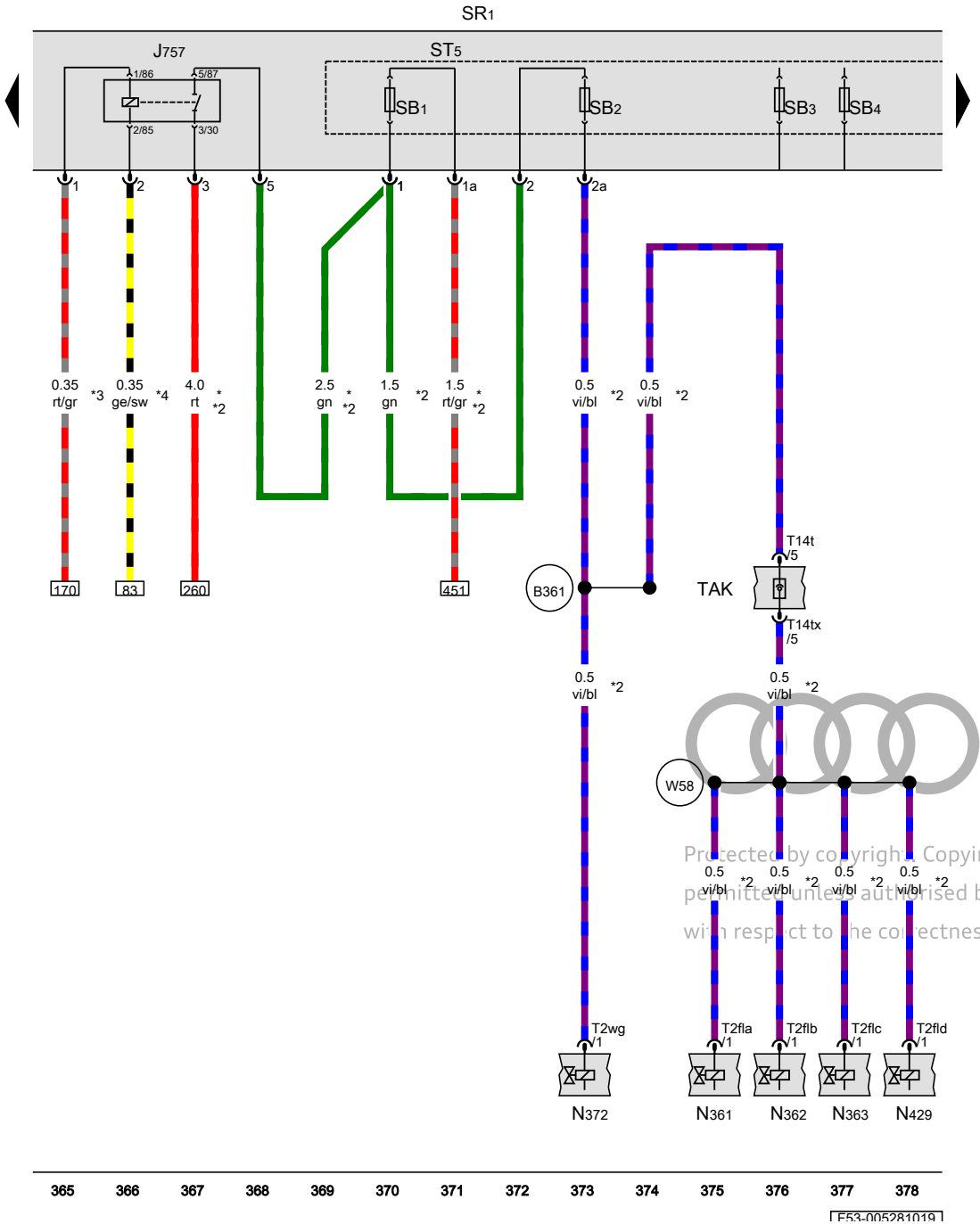

Engine component current supply relay, Relay and fuse carrier 1, Fuse carrier 5

J757	Engine component current supply relay
N361	Fuel tank shut-off valve 1
N362	Fuel tank shut-off valve 2
N363	Fuel tank shut-off valve 3
N372	High-pressure valve for gas mode
N429	Fuel tank shut-off valve 4
SR1	Relay and fuse carrier 1
SB1	Fuse 1 on fuse holder B
SB2	Fuse 2 on fuse holder B
SB3	Fuse 3 on fuse holder B
SB4	Fuse 4 on fuse holder B
ST5	Fuse carrier 5, red
T2fla	2-pin connector, black
T2flb	2-pin connector, black
T2flc	2-pin connector, black
T2fld	2-pin connector, black
T2wg	2-pin connector, black
T14t	14-pin connector, black
T14tx	14-pin connector, black
TAK	Coupling point for fuel tank, near fuel tank
B361	Positive connection 12 (87a) in main wiring harness
W58	Connection (87), in rear wiring harness
*	For models with petrol engine
*2	For models with natural gas engine
*3	For models with 2.0l petrol engine
*4	see applicable current flow diagram for engine

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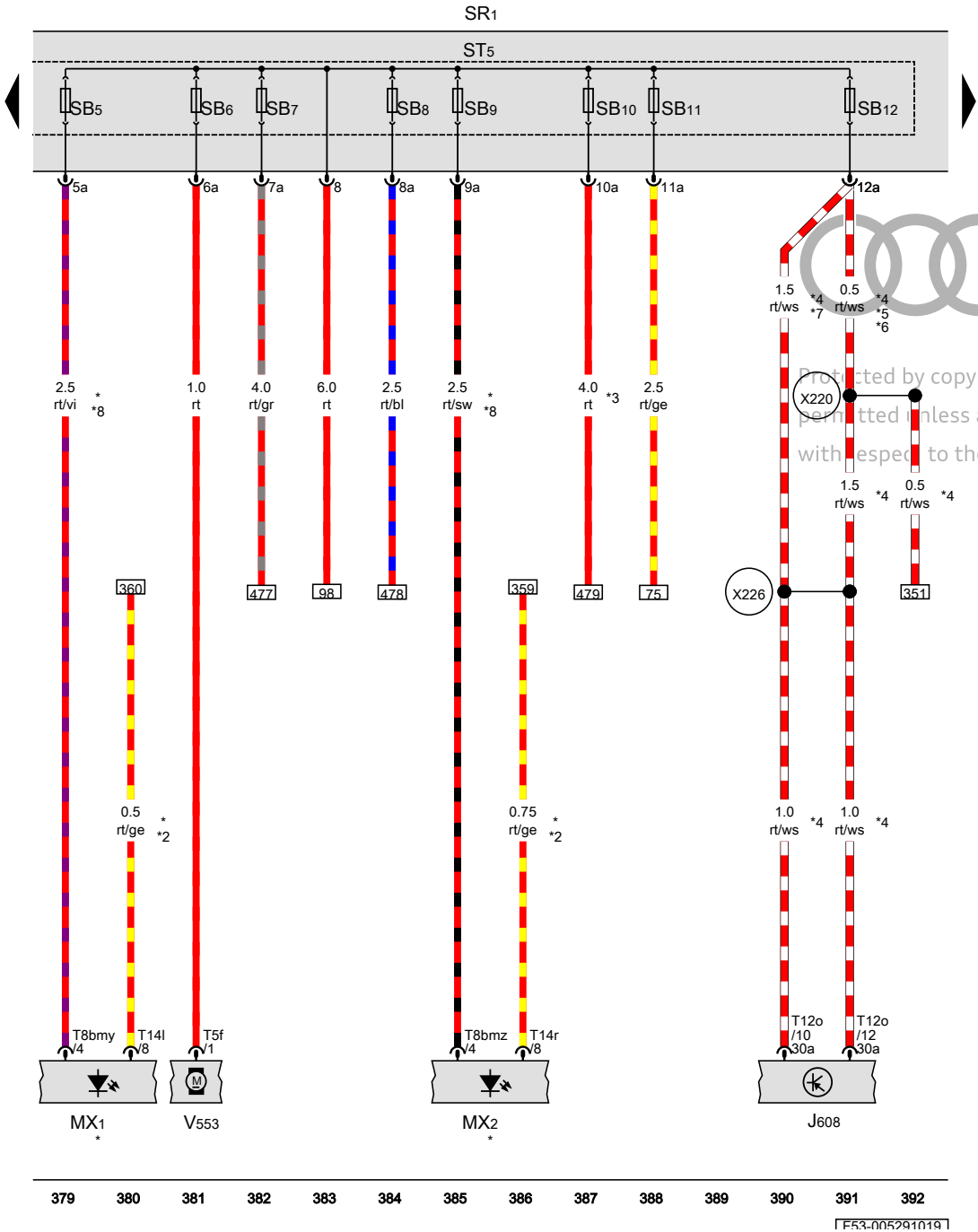

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Relay and fuse carrier 1, Fuse carrier 5

J608	Special vehicle control unit
MX1	Front left headlight
MX2	Front right headlight
SR1	Relay and fuse carrier 1
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5, red
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
T5f	5-pin connector, black
T8bmy	8-pin connector, black
T8bmz	8-pin connector, black
T12o	12-pin connector, black
T14l	14-pin connector, black
T14r	14-pin connector, black
V553	Electric pump 2 for gearbox
X220	Positive connection 1 (30a) in special vehicle wiring harness
X226	Positive connection 7 (30a) in special vehicle wiring harness
*	For models with LED headlights
*2	Up to September 2019
*3	For models with speed-dependent power steering
*4	For models with special equipment, driving aids for disabled persons
*5	Sportback
*6	Coupé
*7	For Cabriolet models
*8	From October 2019

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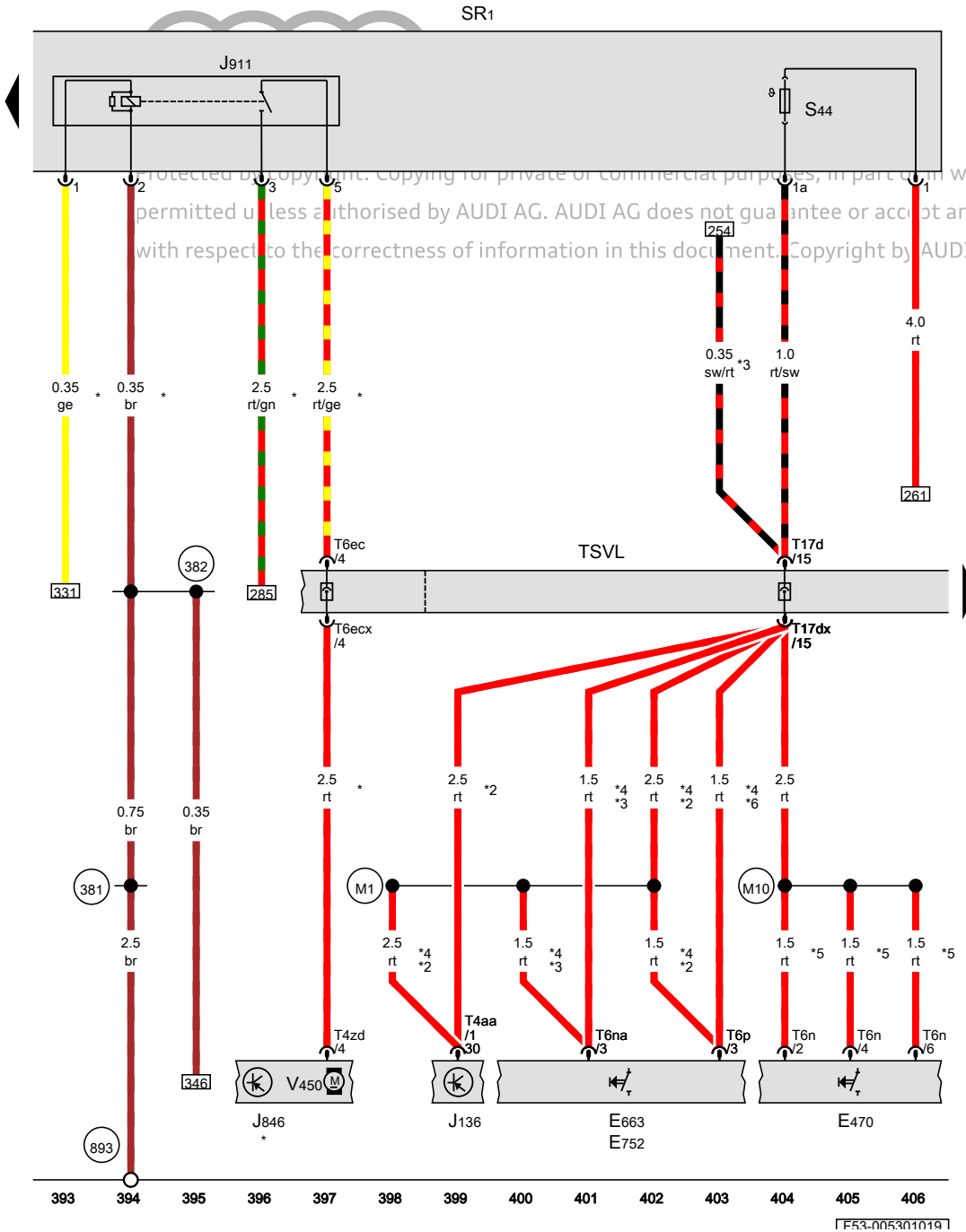

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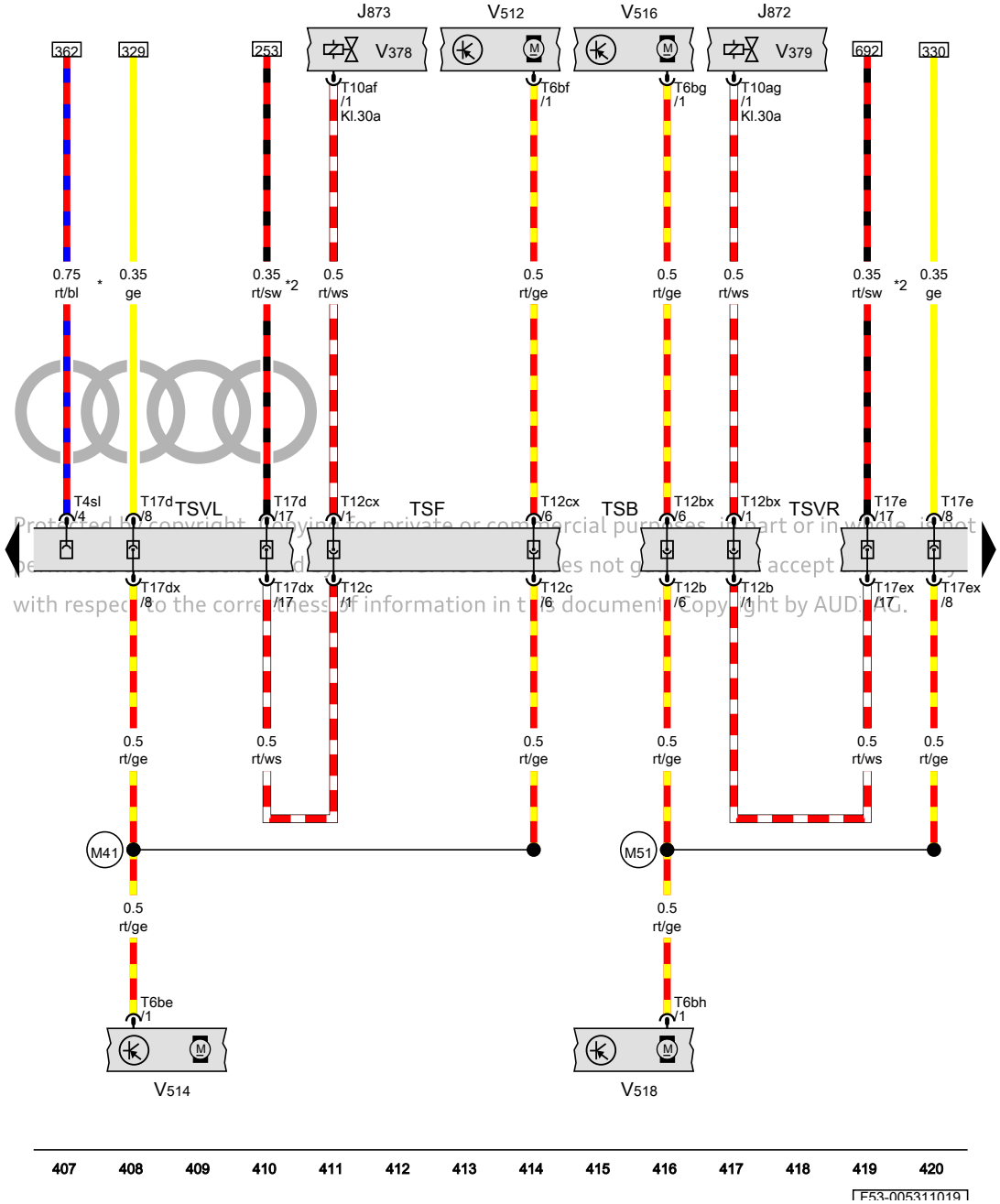
Relay for left neck heating, Relay and fuse carrier 1, Driver seat adjustment thermal fuse 1, Coupling point for front left seat

E470	Driver seat adjustment operating unit
E663	Switch module for driver seat
E752	Front left lumbar support adjustment switch
J136	Seat and steering column adjustment control unit with memory
J846	Control unit for left neck heating
J911	Relay for left neck heating
SR1	Relay and fuse carrier 1
S44	Driver seat adjustment thermal fuse 1
T4aa	4-pin connector, black
T4zd	4-pin connector, black
T6ec	6-pin connector, grey
T6ecx	6-pin connector, grey
T6n	6-pin connector, black
T6na	6-pin connector, black
T6p	6-pin connector, white
T17d	17-pin connector, red
T17dx	17-pin connector, red
TSVL	Coupling point for front left seat
V450	Blower for left neck heating
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
M1	Positive connection 1 (30), in seat adjustment wiring harness
M10	Connection 1, in driver seat adjustment wiring harness

*	For Cabriolet models
*2	Driver seat with memory function
*3	According to equipment
*4	For models with adjustable lumbar support
*5	For models with electric seat adjustment on driver side
*6	For models with no memory function



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Coupling point for front passenger seat backrest, Coupling point for driver seat backrest, Coupling point for front left seat, Coupling point for front right seat

J872	Control unit for front passenger multicontour seat
J873	Control unit for driver multicontour seat
SB12	Fuse 12 on fuse holder B
T4sl	4-pin connector, black
T6be	6-pin connector, black
T6bf	6-pin connector, black
T6bg	6-pin connector, black
T6bh	6-pin connector, black
T10af	10-pin connector, black
T10ag	10-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
T12c	12-pin connector, black
T12cx	12-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSB	Coupling point for front passenger seat backrest
TSF	Coupling point for driver seat backrest
TSVL	Coupling point for front left seat
TSVR	Coupling point for front right seat
V378	Valve block for driver seat and backrest bolster adjustment
V379	Valve block for front passenger seat and backrest bolster adjustment
V512	Front left seat backrest fan 1
V514	Front left seat cushion fan 1
V516	Front right seat backrest fan 1
V518	Front right seat cushion fan 1
M41	Connection 1, in driver seat wiring harness
M51	Connection 1, in front passenger seat wiring harness
*	For models with preparation for Rear Seat Entertainment (RSE)
*2	According to equipment

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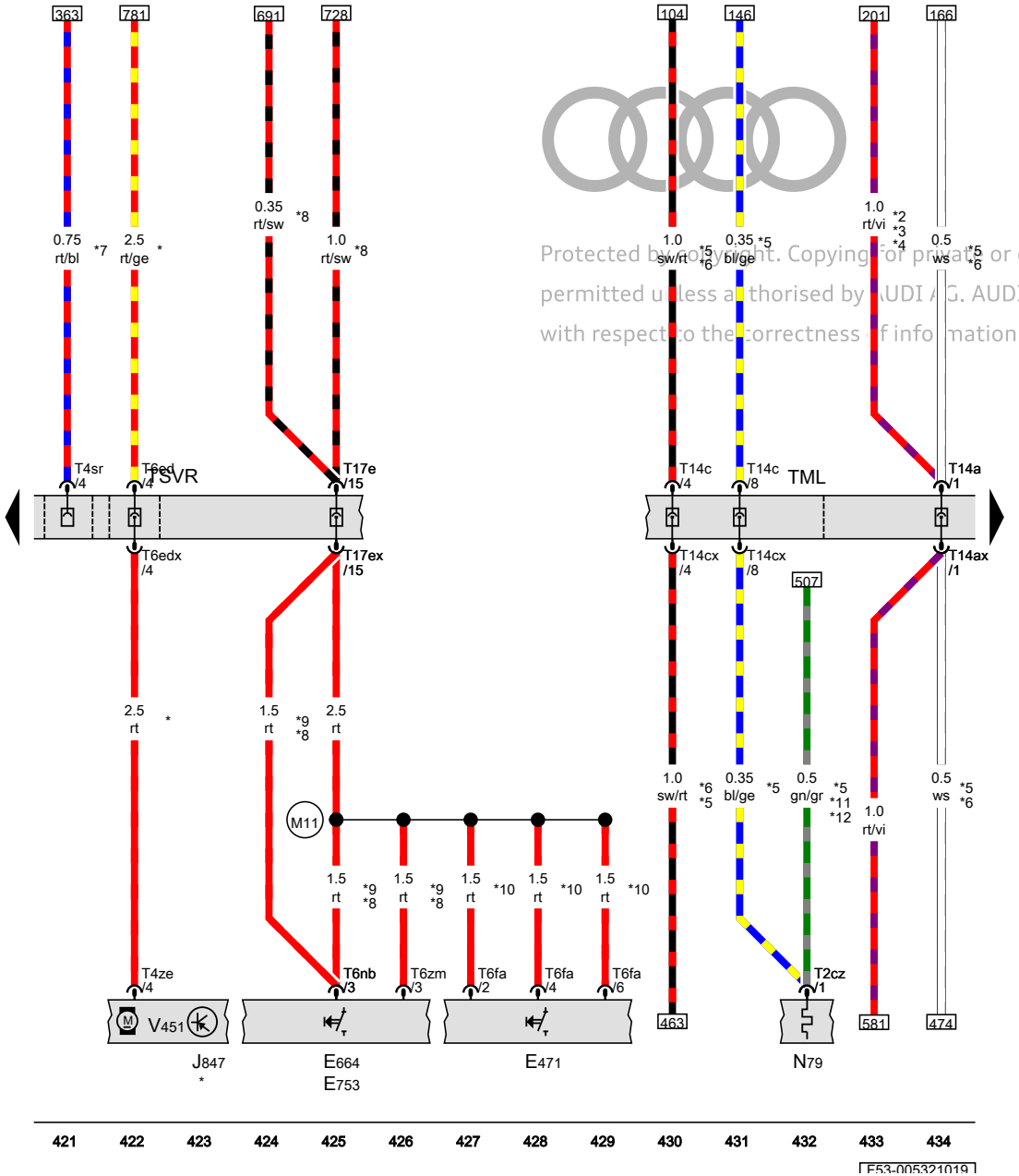

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Coupling point in engine compartment, left, Coupling point for front right seat

E471	Front passenger seat adjustment operating unit
E664	Switch module for front passenger seat
E753	Front right lumbar support adjustment switch
J847	Control unit for right neck heating
N79	Heater element for crankcase breather
T2cz	2-pin connector, black
T4sr	4-pin connector, black
T4ze	4-pin connector, black
T6ed	6-pin connector, grey
T6edx	6-pin connector, grey
T6fa	6-pin connector, black
T6nb	6-pin connector, black
T6zm	6-pin connector, white
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
TML	Coupling point in engine compartment, left
TSVR	Coupling point for front right seat
V451	Blower for right neck heating
M11	Connection 2, in driver seat adjustment wiring harness
*	For Cabriolet models
*2	For models with petrol engine
*3	For models with natural gas engine
*4	see applicable current flow diagram for engine
*5	For models with diesel engine
*6	For models with 3.0l engine
*7	For models with preparation for Rear Seat Entertainment (RSE)
*8	According to equipment
*9	For models with adjustable lumbar support
*10	For models with electric seat adjustment on passenger side
*11	For emission standard Euro 6 AG/H/I
*12	For emission standard Euro 6 BG/H/I

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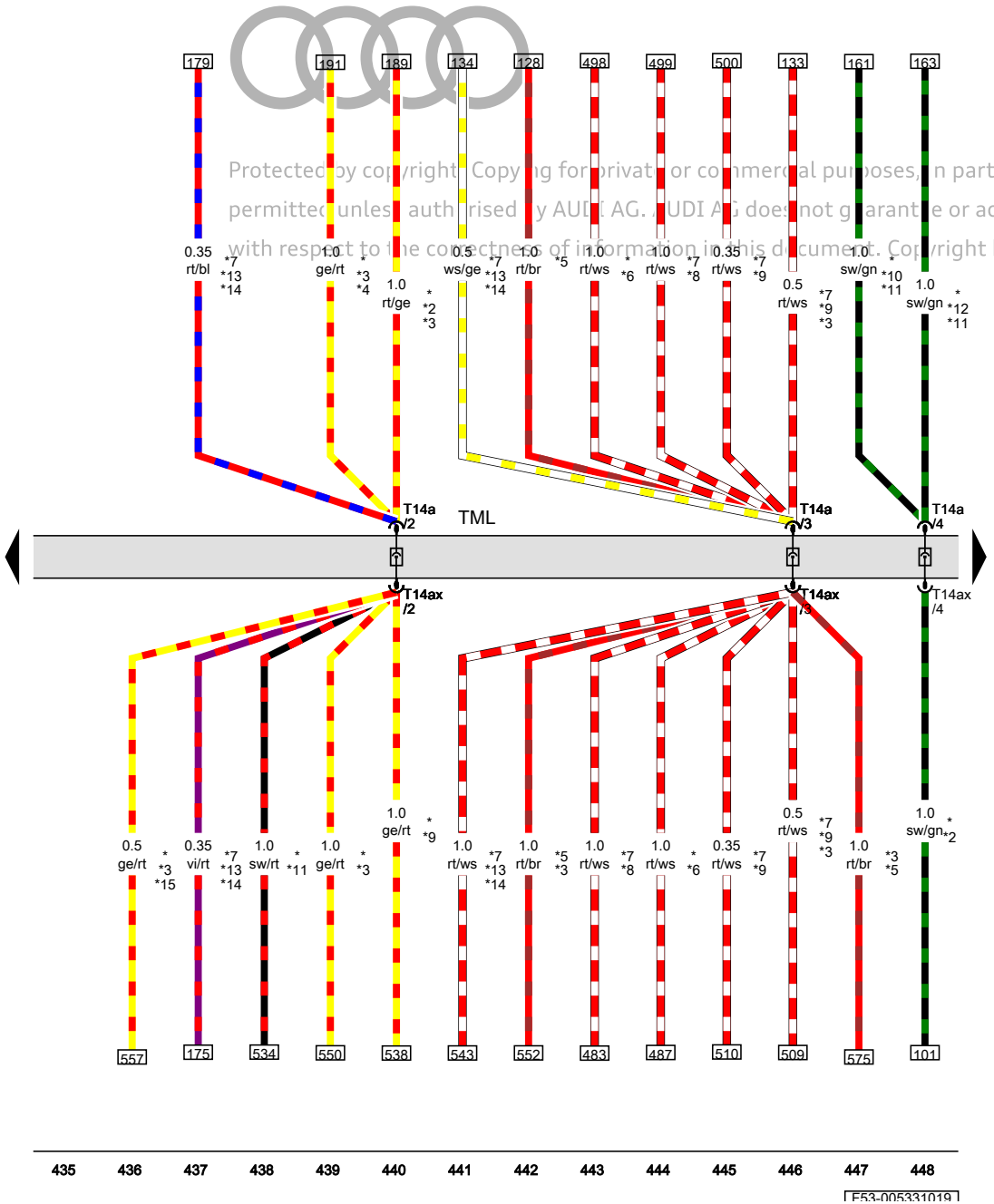

Coupling point in engine compartment, left

T14a	14-pin connector, black
T14ax	14-pin connector, black
TML	Coupling point in engine compartment, left
*	For models with petrol engine
*2	For models with natural gas engine
*3	According to equipment
*4	Cross section depends on equipment
*5	For models with 2.0l petrol engine
*6	For models with 6-cylinder engine
*7	For models with diesel engine
*8	For models with 2.0l engine
*9	For models with 3.0l engine
*10	For models with automatic gearbox
*11	For models with 1.4l engine
*12	For models with manual gearbox
*13	For emission standard Euro 6 AG/H/I
*14	For emission standard Euro 6 BG/H/I
*15	see applicable current flow diagram for engine

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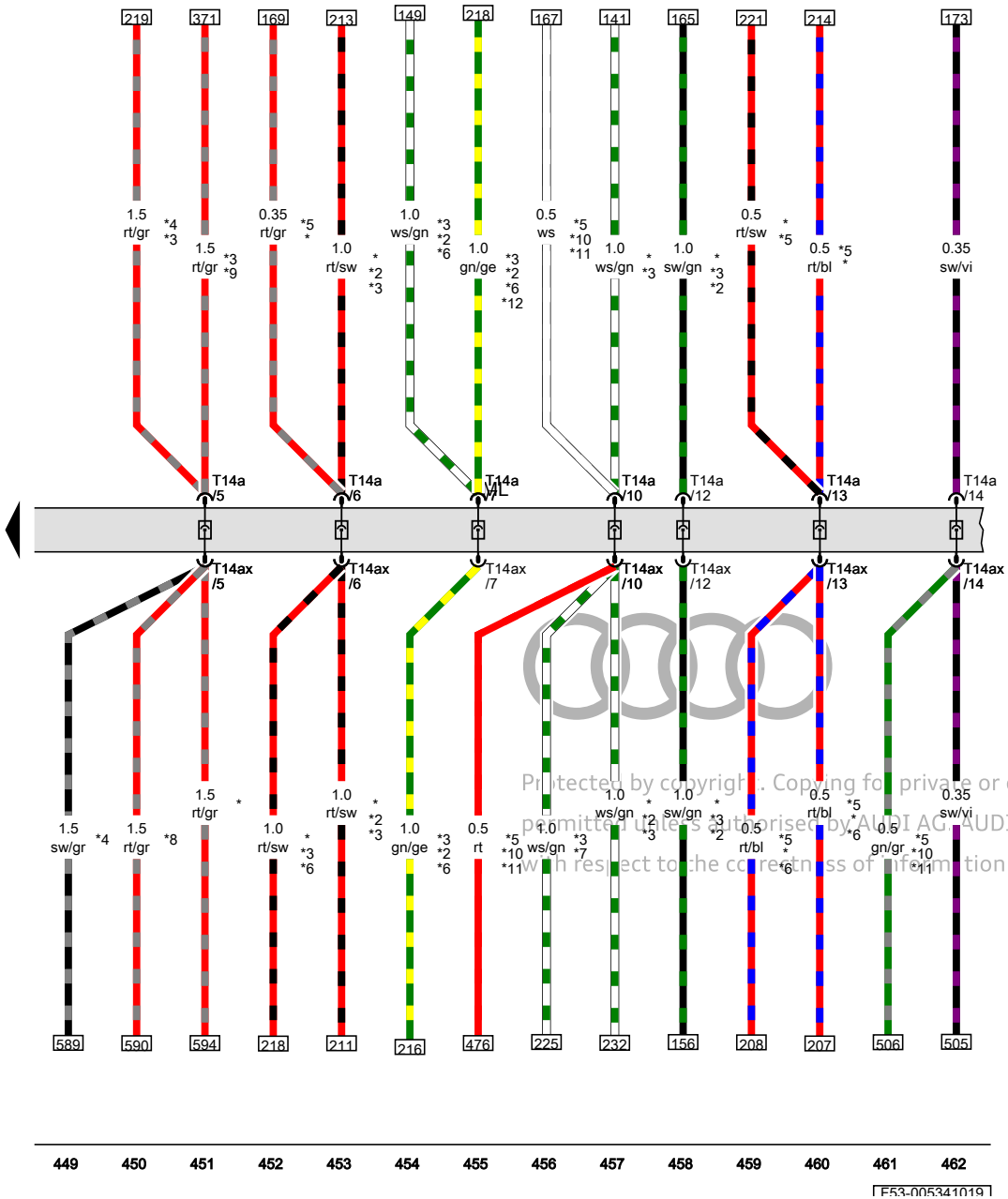

Coupling point in engine compartment, left

T14a	14-pin connector, black
T14ax	14-pin connector, black
TML	Coupling point in engine compartment, left
*	For models with 3.0l engine
*2	According to equipment
*3	For models with petrol engine
*4	For models with 1.4l engine
*5	For models with diesel engine
*6	see applicable current flow diagram for engine
*7	For models with 6-cylinder engine
*8	For models with 2.0l engine
*9	For models with natural gas engine
*10	For emission standard Euro 6 AG/H/I
*11	For emission standard Euro 6 BG/H/I
*12	For American markets

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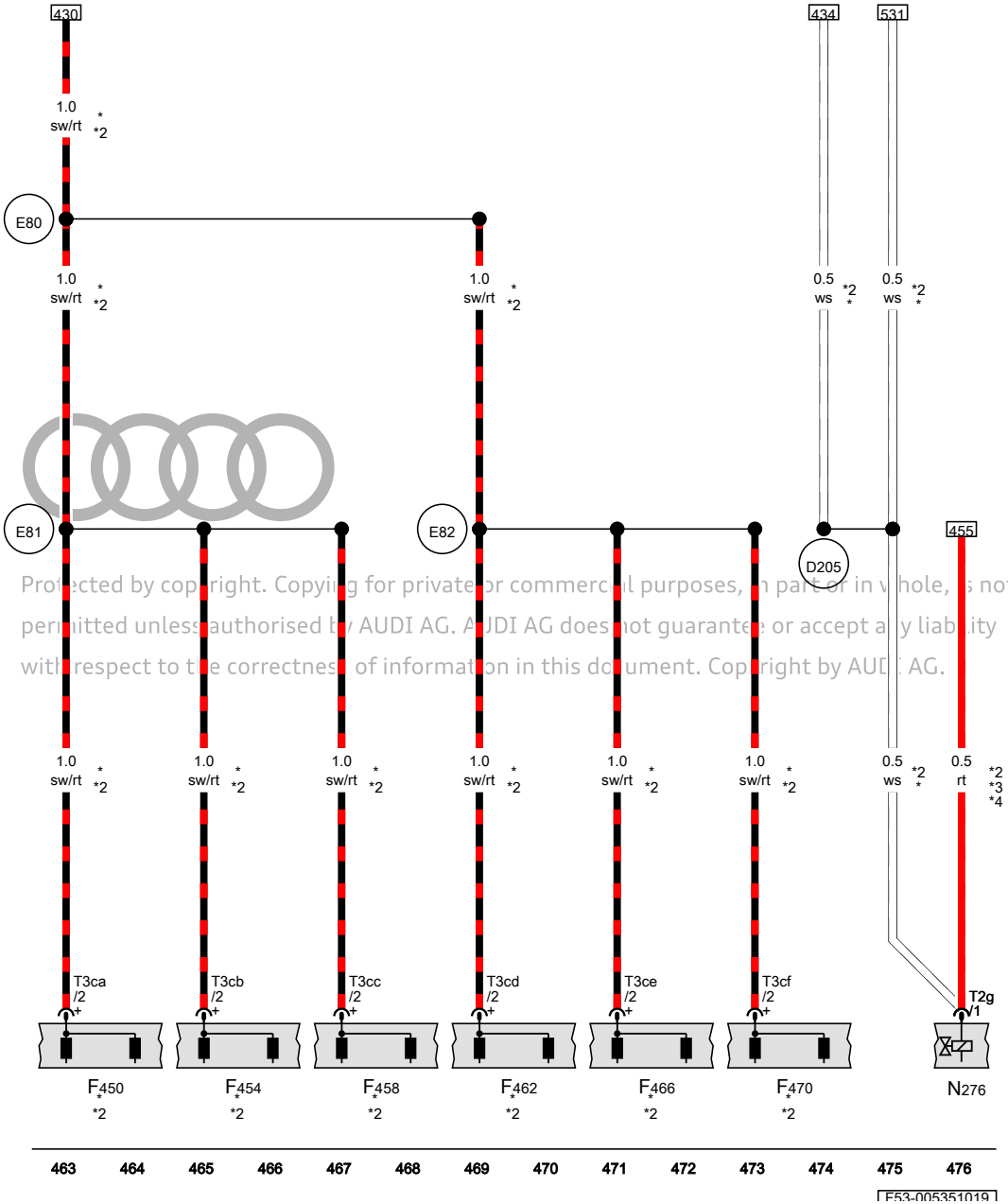

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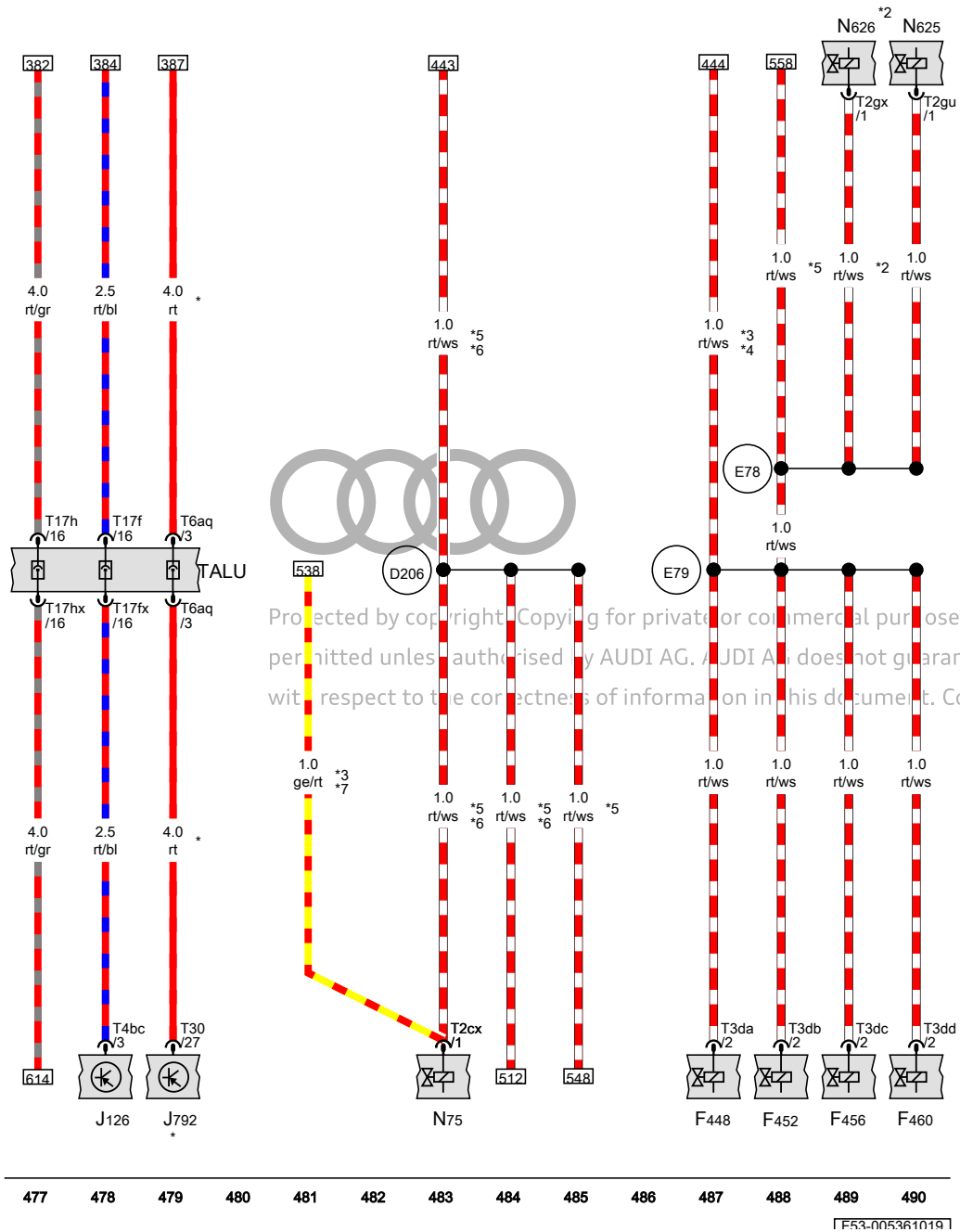
Connection 4 (87a) in engine wiring harness, Connection 5 (87a) in engine wiring harness, Connection 6 (87a) in engine wiring harness

F450	Exhaust cam actuator 1 for cylinder 1
F454	Exhaust cam actuator 1 for cylinder 2
F458	Exhaust cam actuator 1 for cylinder 3
F462	Exhaust cam actuator 1 for cylinder 4
F466	Exhaust cam actuator 1 for cylinder 5
F470	Exhaust cam actuator 1 for cylinder 6
N276	Fuel pressure regulating valve
T2g	2-pin connector, black
T3ca	3-pin connector, black
T3cb	3-pin connector, black
T3cc	3-pin connector, black
T3cd	3-pin connector, black
T3ce	3-pin connector, black
T3cf	3-pin connector, black
D205	Connection 3 (87a) in engine prewiring harness
E80	Connection 4 (87a) in engine wiring harness
E81	Connection 5 (87a) in engine wiring harness
E82	Connection 6 (87a) in engine wiring harness
*	For models with 3.0l engine
*2	For models with diesel engine
*3	For emission standard Euro 6 AG/H/I
*4	For emission standard Euro 6 BG/H/I



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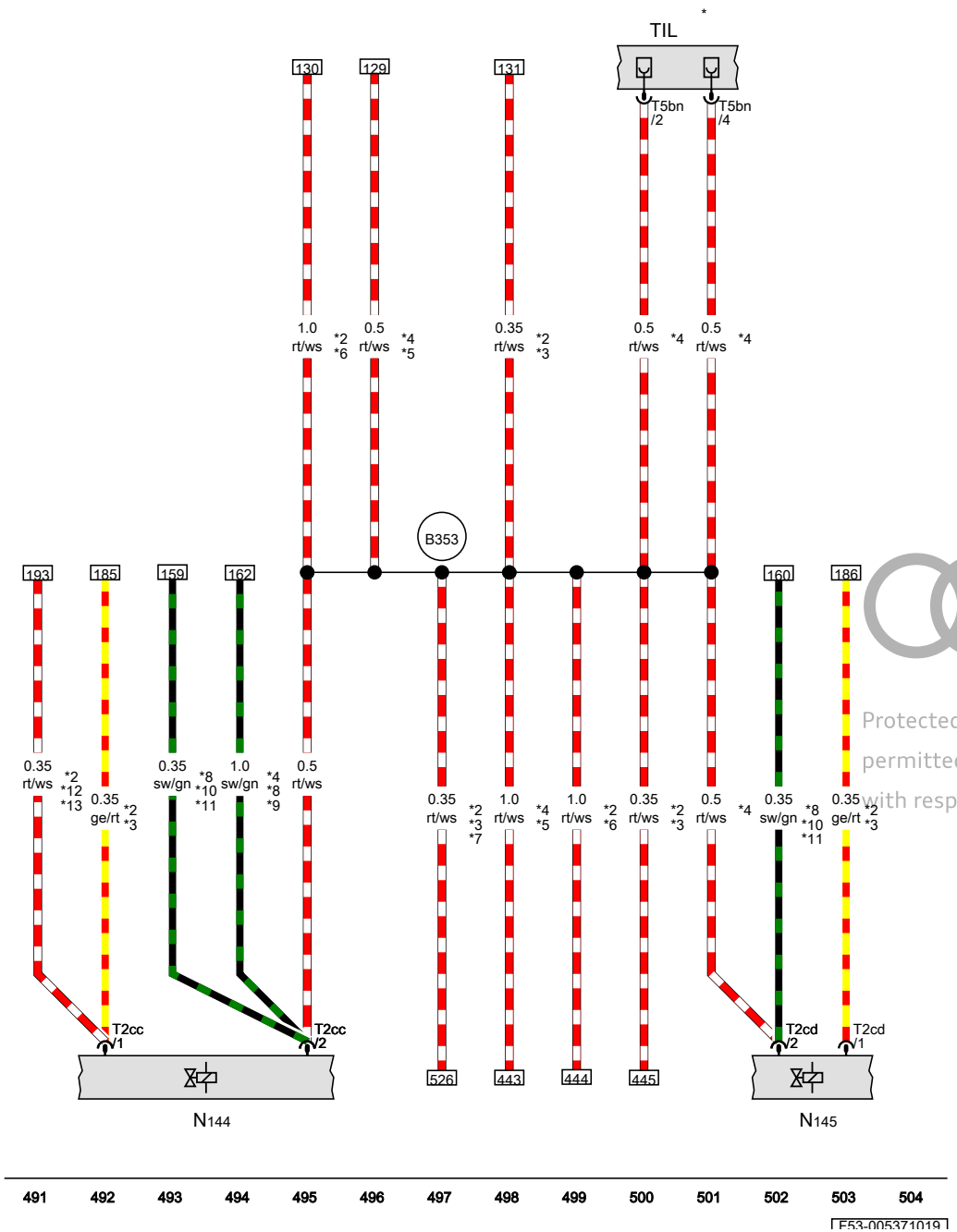
Coupling point on left A-pillar, bottom

F448	Inlet cam actuator 1 for cylinder 1
F452	Inlet cam actuator 1 for cylinder 2
F456	Inlet cam actuator 1 for cylinder 3
F460	Inlet cam actuator 1 for cylinder 4
J126	Fresh air blower control unit
J792	Active steering control unit
N75	Charge pressure control solenoid valve
N625	Overrun air recirculation valve for bank 1
N626	Overrun air recirculation valve for bank 2
T2cx	2-pin connector, black
T2gu	2-pin connector, black
T2gx	2-pin connector, black
T3da	3-pin connector, black
T3db	3-pin connector, black
T3dc	3-pin connector, black
T3dd	3-pin connector, black
T4bc	4-pin connector, black
T6aq	6-pin connector, green
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17h	17-pin connector, white
T17hx	17-pin connector, white
T30	30-pin connector, black
TALU	Coupling point on left A-pillar, bottom
D206	Connection 4 (87a) in engine prewiring harness
E78	Connection 2 (87a) in engine wiring harness
E79	Connection 3 (87a) in engine wiring harness
*	For models with speed-dependent power steering
*2	According to equipment
*3	For models with petrol engine
*4	For models with 6-cylinder engine
*5	For models with diesel engine
*6	For models with 2.0l engine
*7	For models with 3.0l engine



Coupling point in interior, left

N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T5bn	5-pin connector, black
TIL	Coupling point in interior, left
B353	Positive connection 4 (87a) in main wiring harness
*	Not used
*2	For models with diesel engine
*3	For models with 3.0l engine
*4	For models with petrol engine
*5	For models with 6-cylinder engine
*6	For models with 2.0l engine
*7	According to equipment
*8	For models with automatic gearbox
*9	For models with 1.4l engine
*10	For models with 2.0l petrol engine
*11	For models with natural gas engine
*12	For emission standard Euro 6 AG/H/I
*13	For emission standard Euro 6 BG/H/I

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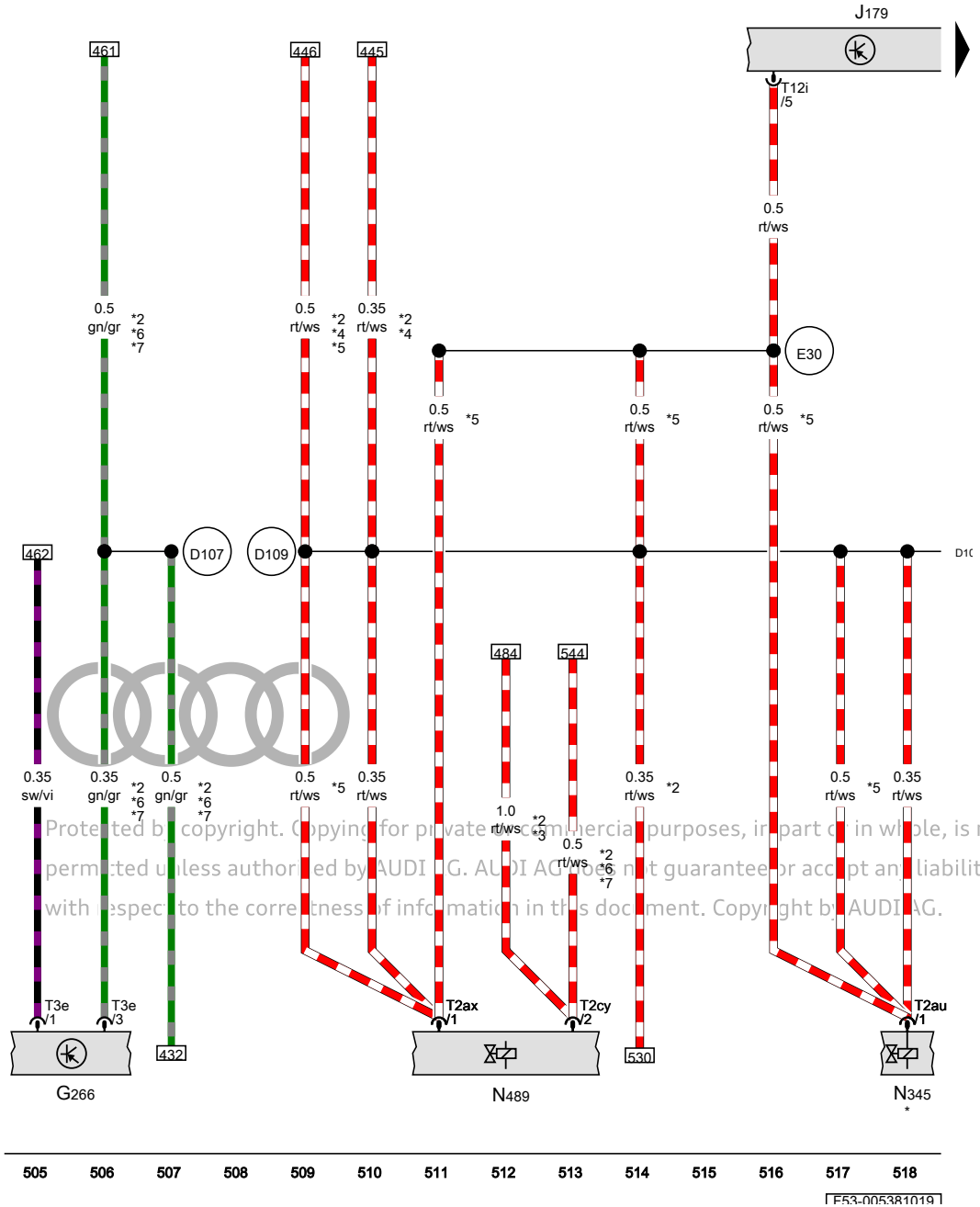

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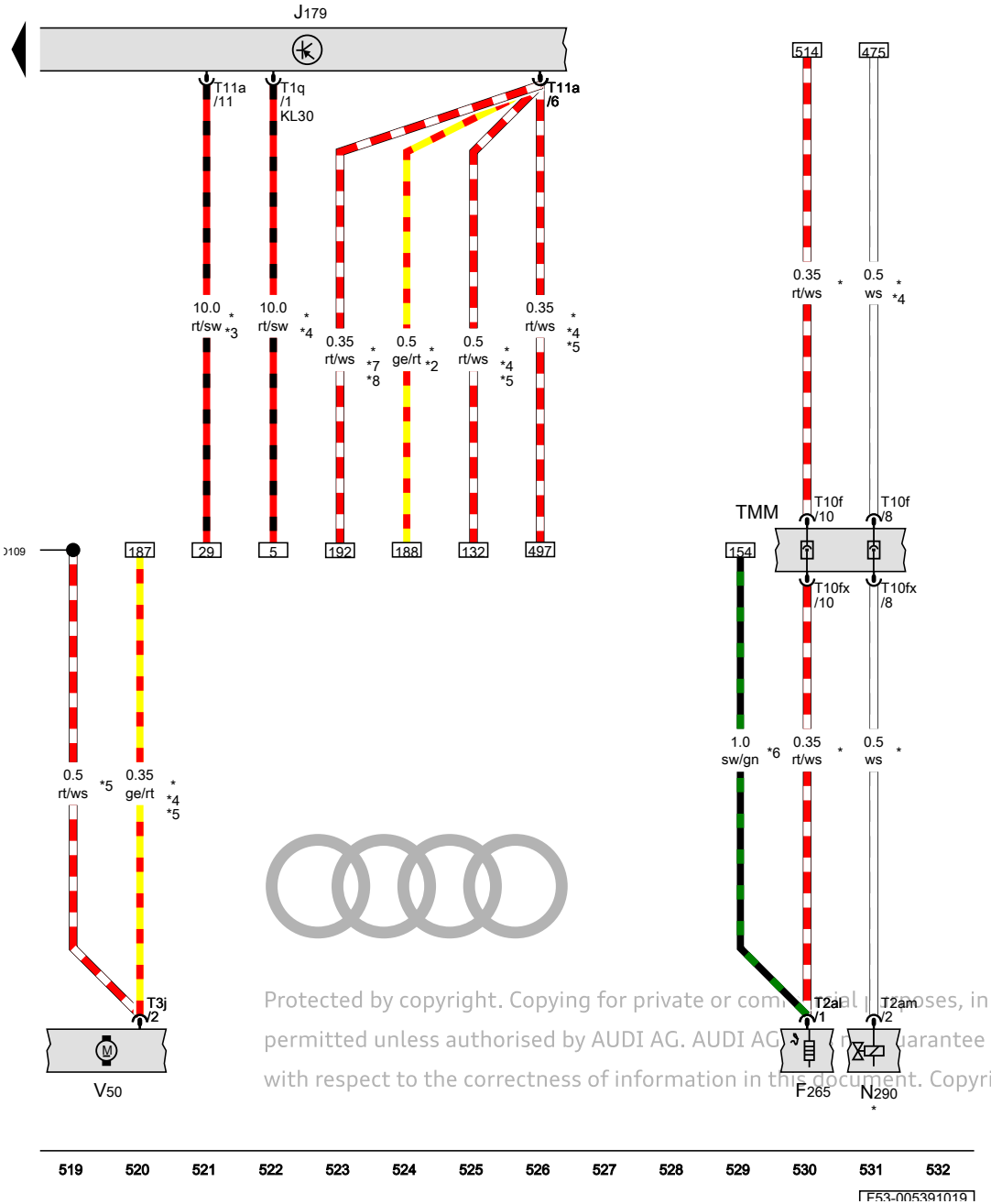
Connection 7 in engine compartment wiring harness, Connection (87a), in engine wiring harness

G266	Oil level and oil temperature sender
J179	Automatic glow period control unit
N345	Exhaust gas recirculation cooler changeover valve
N489	Coolant valve for cylinder head
T2au	2-pin connector, black
T2ax	2-pin connector, black
T2cy	2-pin connector, brown
T3e	3-pin connector, black
T12i	12-pin connector, black
D107	Connection 5 in engine compartment wiring harness
D109	Connection 7 in engine compartment wiring harness
E30	Connection (87a), in engine wiring harness
*	For American markets
*2	For models with diesel engine
*3	For models with 2.0l engine
*4	For models with 3.0l engine
*5	According to equipment
*6	For emission standard Euro 6 AG/H/I
*7	For emission standard Euro 6 BG/H/I



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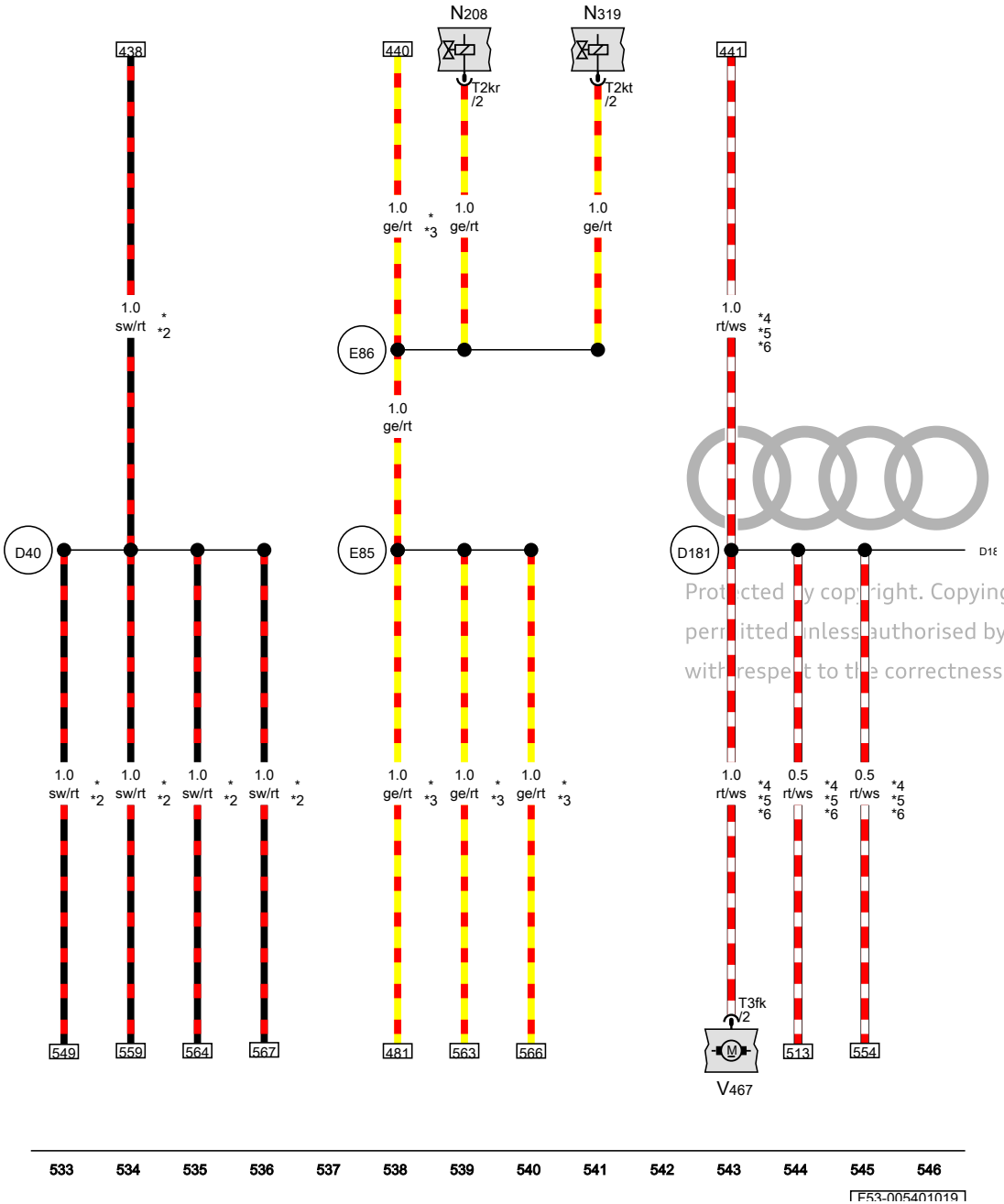
Coupling point in engine compartment, centre, Connection 7 in engine compartment wiring harness

F265	Map-controlled engine cooling system thermostat
J179	Automatic glow period control unit
N290	Fuel metering valve
T1q	1-pin connector, black
T2al	2-pin connector, black
T2am	2-pin connector, black
T3j	3-pin connector, black
T10f	10-pin connector, black
T10fx	10-pin connector, black
T11a	11-pin connector, black
TMM	Coupling point in engine compartment, centre
V50	Coolant circulation pump
D109	Connection 7 in engine compartment wiring harness
*	For models with diesel engine
*2	For models with 2.0l engine
*3	Cross section depends on equipment
*4	For models with 3.0l engine
*5	According to equipment
*6	For models with petrol engine
*7	For emission standard Euro 6 AG/H/I
*8	For emission standard Euro 6 BG/H/I

Coolant pump for high-temperature circuit

N208	Camshaft control valve 2
N319	Exhaust camshaft control valve 2
T2kr	2-pin connector, black
T2kt	2-pin connector, black
T3fk	3-pin connector, black
V467	Coolant pump for high-temperature circuit
D40	Connection 2, in engine prewiring harness
D181	Connection 2 (87a), in engine compartment wiring harness
E85	Connection 9 (87a) in engine wiring harness
E86	Connection 10 (87a) in engine wiring harness
*	For models with petrol engine
*2	For models with 1.4l engine
*3	For models with 3.0l engine
*4	For models with diesel engine
*5	For emission standard Euro 6 AG/H/I
*6	For emission standard Euro 6 BG/H/I



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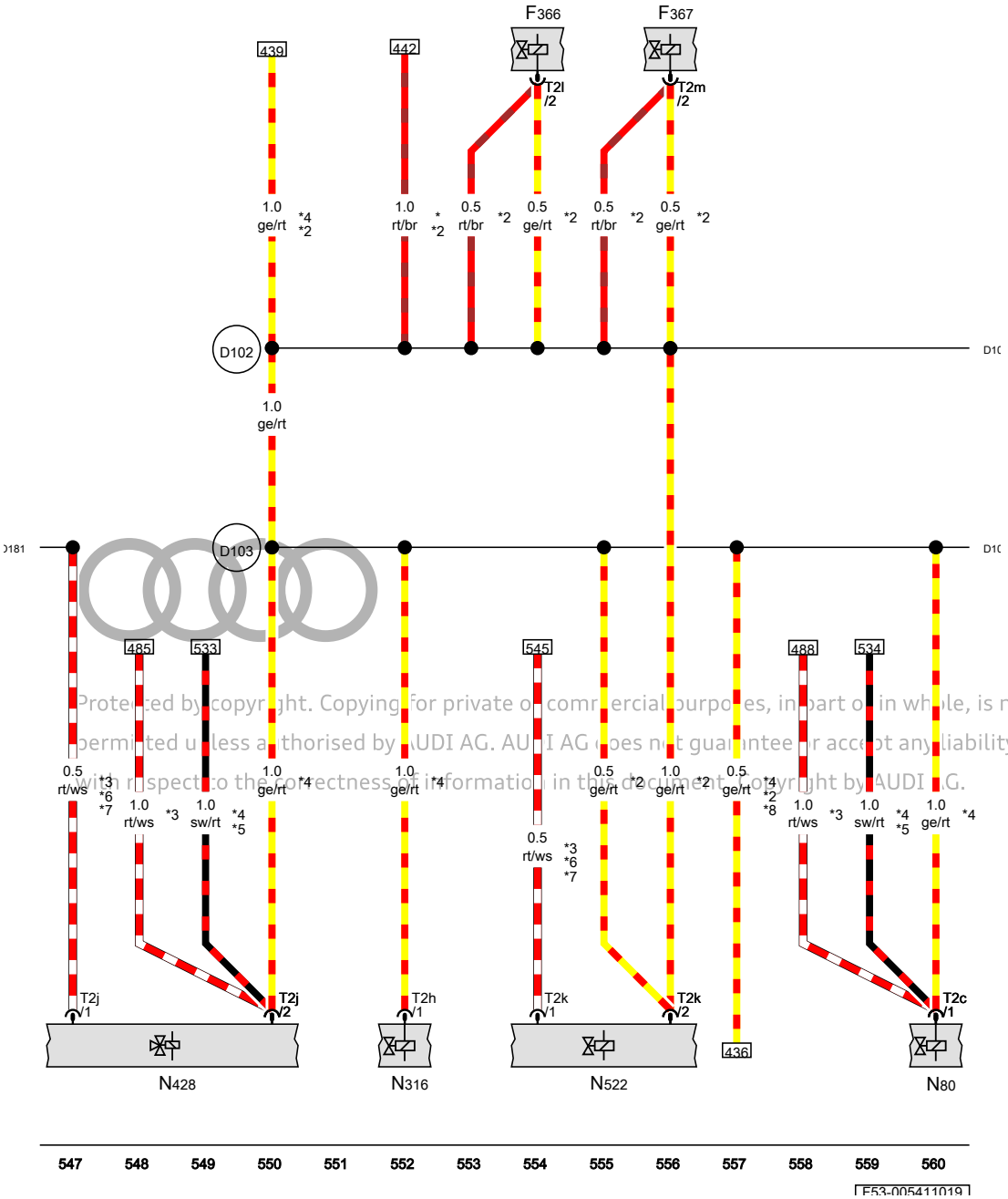

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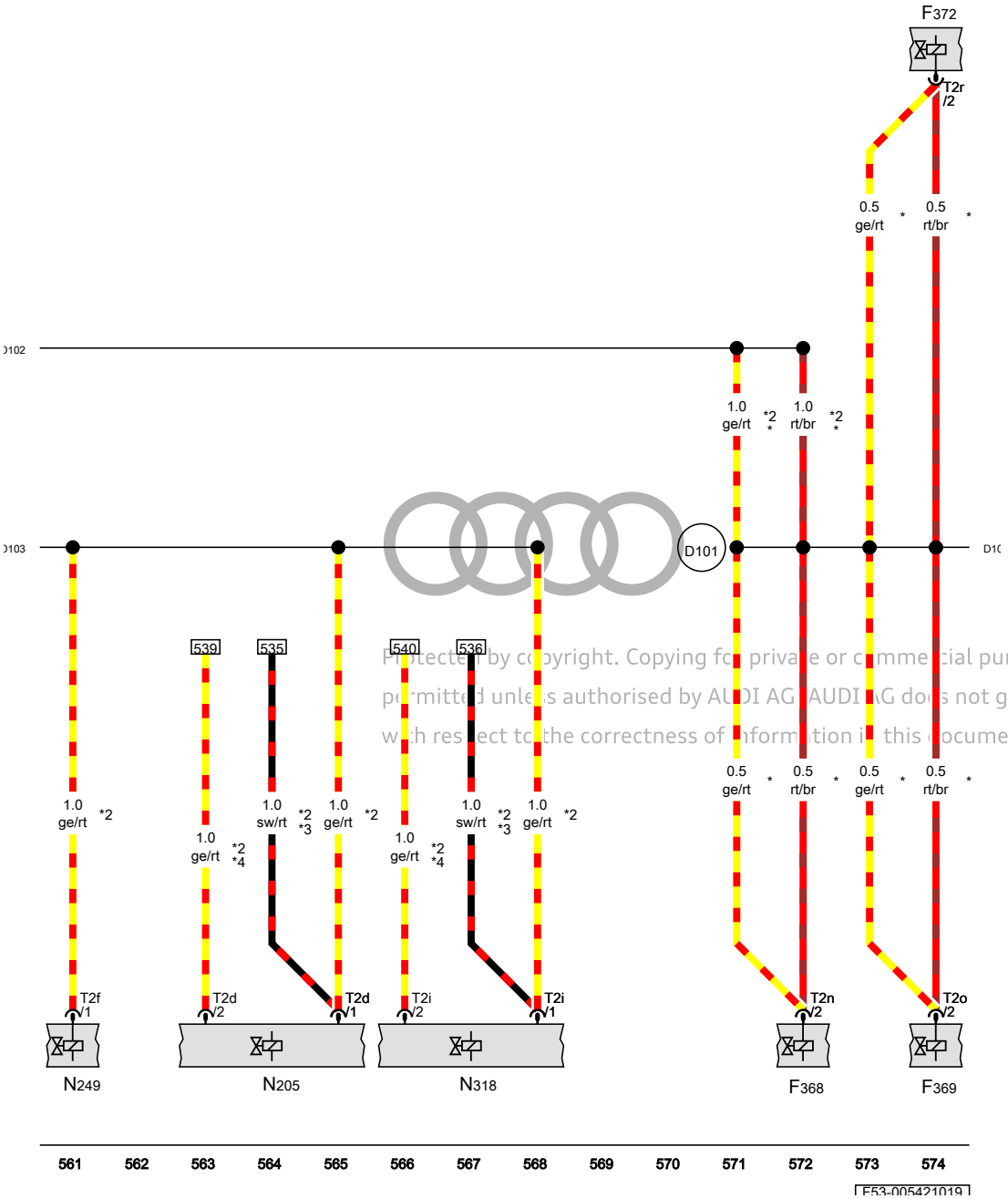
Connection 2 in engine compartment wiring harness, Connection 3 in engine compartment wiring harness

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
N80	Activated charcoal filter solenoid valve 1
N316	Intake manifold flap valve
N428	Valve for oil pressure control
N522	Piston cooling jet control valve
T2c	2-pin connector, black
T2h	2-pin connector, black
T2j	2-pin connector, black
T2k	2-pin connector, black
T2l	2-pin connector, black
T2m	2-pin connector, black
D102	Connection 2 in engine compartment wiring harness
D103	Connection 3 in engine compartment wiring harness
D181	Connection 2 (87a), in engine compartment wiring harness
*	For models with 2.0l petrol engine
*2	According to equipment
*3	For models with diesel engine
*4	For models with petrol engine
*5	For models with 1.4l engine
*6	For emission standard Euro 6 AG/H/I
*7	For emission standard Euro 6 BG/H/I
*8	see applicable current flow diagram for engine



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Connection 2 in engine compartment wiring harness, Connection 3 in engine compartment wiring harness

F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F372	Cam adjustment actuator 7
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N318	Exhaust camshaft control valve 1
T2d	2-pin connector, black
T2f	2-pin connector, brown
T2i	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2r	2-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness
D103	Connection 3 in engine compartment wiring harness
*	According to equipment
*2	For models with petrol engine
*3	For models with 1.4l engine
*4	For models with 3.0l engine

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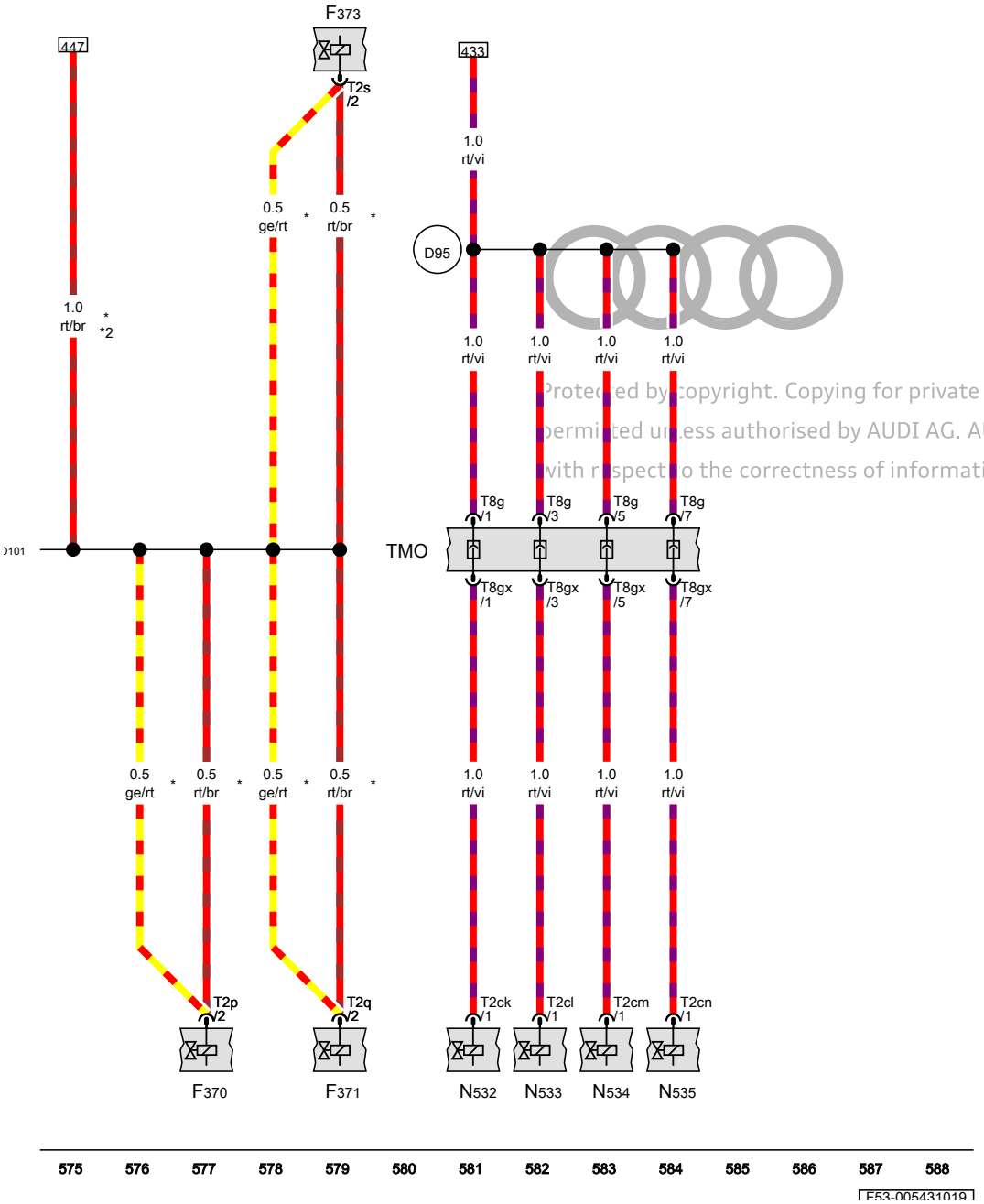

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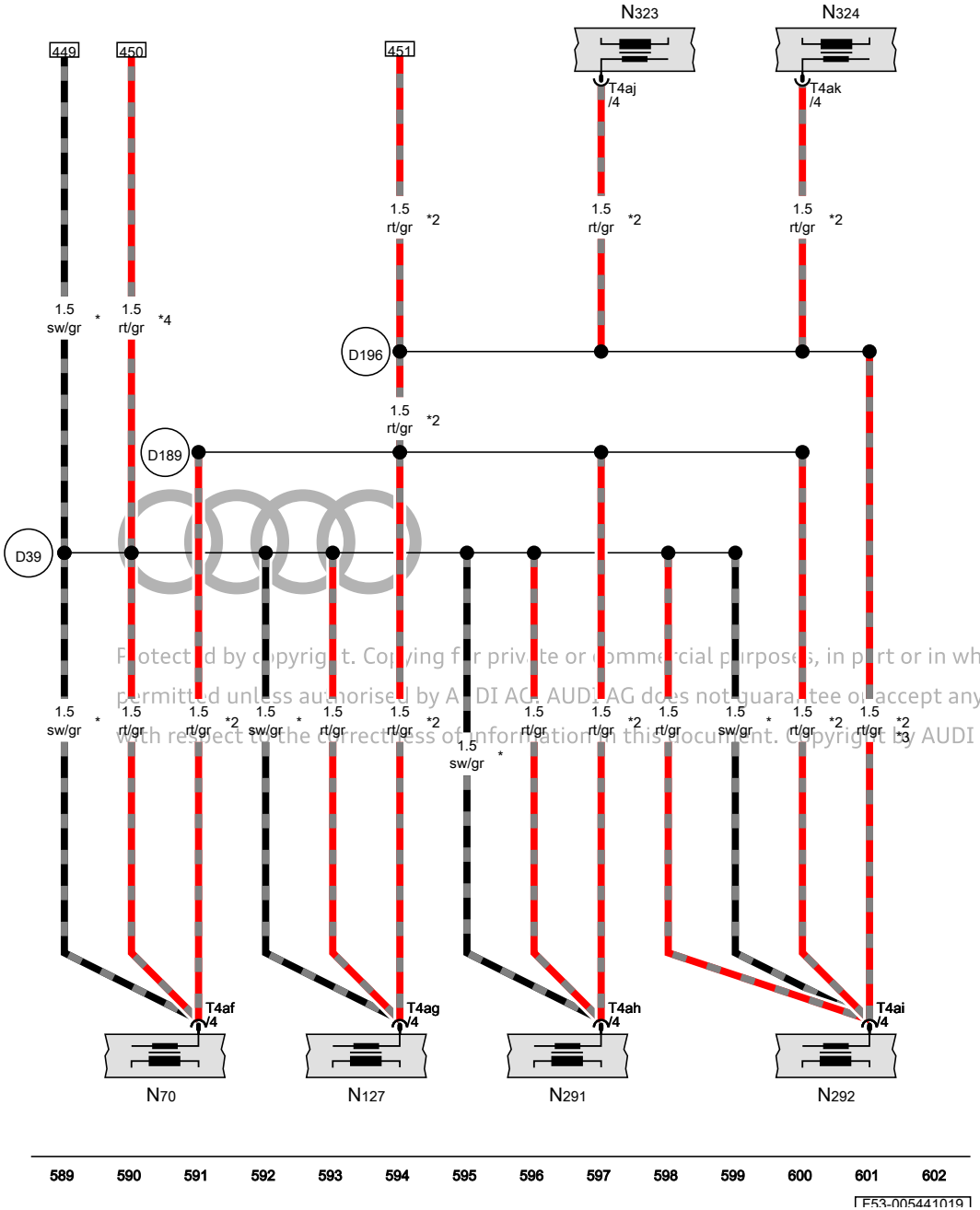
Coupling point on engine, top

F370	Cam adjustment actuator 5
F371	Cam adjustment actuator 6
F373	Cam adjustment actuator 8
N532	Injector 2, cylinder 1
N533	Injector 2, cylinder 2
N534	Injector 2, cylinder 3
N535	Injector 2, cylinder 4
T2ck	2-pin connector, black
T2cl	2-pin connector, black
T2cm	2-pin connector, black
T2cn	2-pin connector, black
T2p	2-pin connector, black
T2q	2-pin connector, black
T2s	2-pin connector, black
T8g	8-pin connector, black
T8gx	8-pin connector, black
TMO	Coupling point on engine, top
D95	Connection (injectors), in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness
*	According to equipment
*2	For models with 2.0l petrol engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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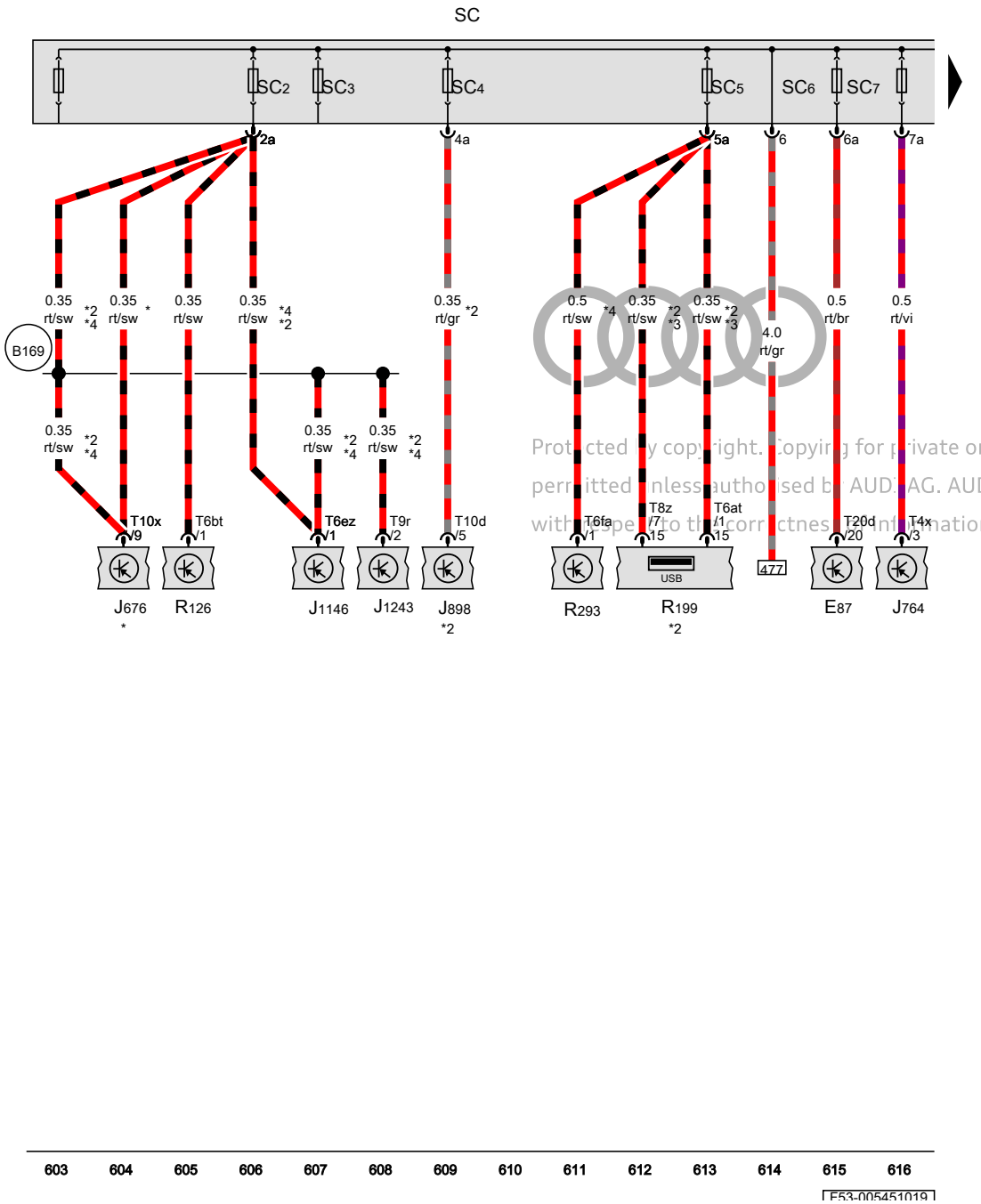
ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Connection 1, in engine prewiring harness, Connection (87a) in engine prewiring harness, Connection 2 (87a) in engine prewiring harness

N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T4aj	4-pin connector, black
T4ak	4-pin connector, black
D39	Connection 1, in engine prewiring harness
D189	Connection (87a) in engine prewiring harness
D196	Connection 2 (87a) in engine prewiring harness
*	For models with 1.4l engine
*2	For models with 3.0l engine
*3	According to equipment
*4	For models with 2.0l engine



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Fuse holder C

E87	Operating and display unit for front air conditioning system
J676	Chip card reader control unit
J764	Control unit for electronic steering column lock
J898	Control unit for head-up display
J1146	Charging unit 1 for mobile devices
J1243	Control unit with Android operating system
R126	Telephone bracket
R199	Connection for external audio sources
R293	USB hub
SC	Fuse holder C
SC2	Fuse 2 on fuse holder C
SC3	Fuse 3 on fuse holder C
SC4	Fuse 4 on fuse holder C
SC5	Fuse 5 on fuse holder C
SC6	Fuse 6 on fuse holder C
SC7	Fuse 7 on fuse holder C
T4x	4-pin connector, black
T6at	6-pin connector, black
T6bt	6-pin connector, black
T6ez	6-pin connector, black
T6fa	6-pin connector, black
T8z	8-pin connector, black
T9r	9-pin connector, blue
T10d	10-pin connector, black
T10x	10-pin connector, black
T20d	20-pin connector, black
B169	Positive connection 1 (30), in interior wiring harness
*	For models with equipment for Japan
*2	According to equipment
*3	Up to September 2019
*4	From October 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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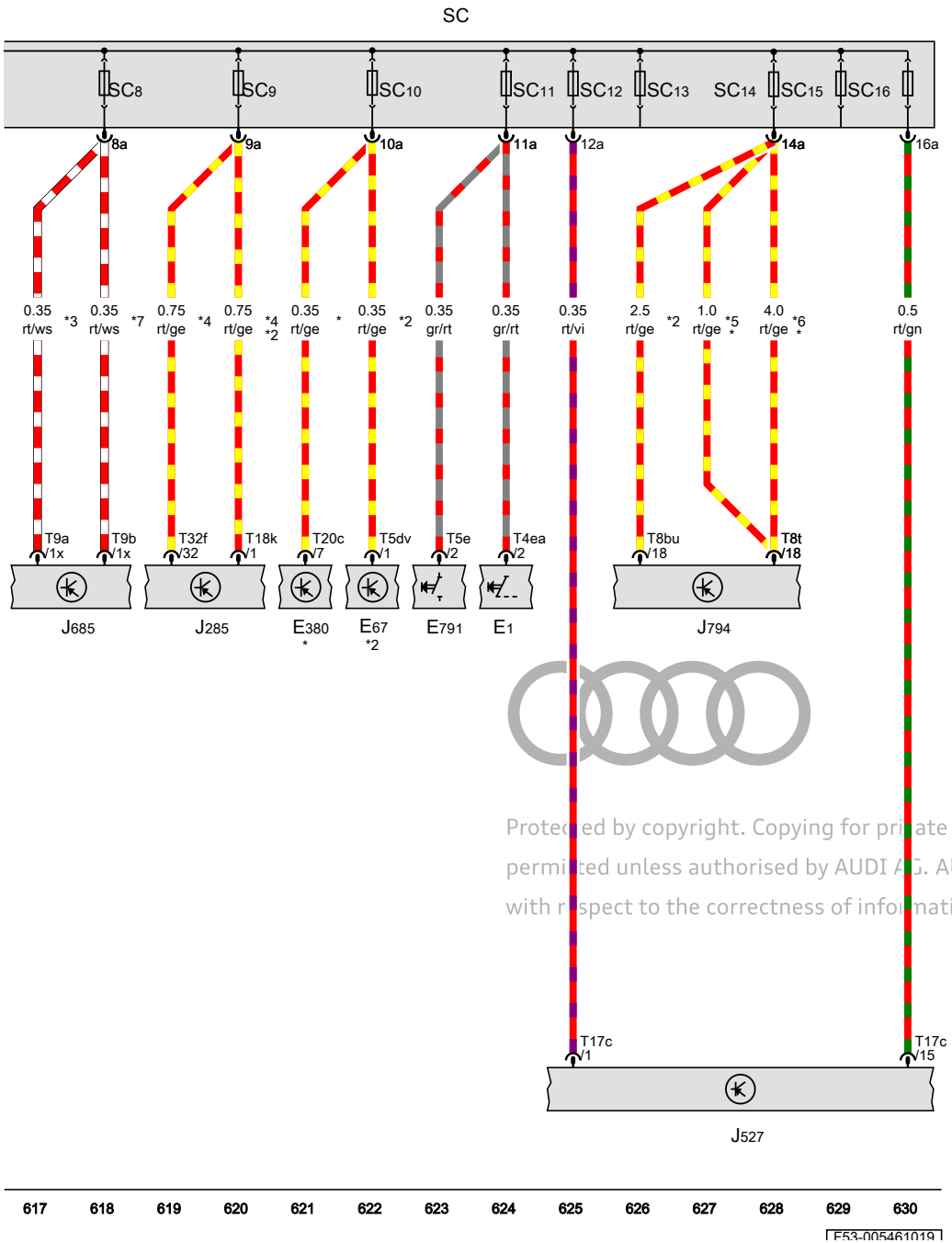

Fuse holder C

E1	Light switch
E67	Driver side volume regulator
E380	Multimedia system operating unit
E791	Operating unit 1 for driver and convenience functions
J285	Control unit in dash panel insert
J527	Steering column electronics control unit
J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
SC	Fuse holder C
SC1	Fuse 1 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC11	Fuse 11 on fuse holder C
SC12	Fuse 12 on fuse holder C
SC13	Fuse 13 on fuse holder C
SC14	Fuse 14 on fuse holder C
SC15	Fuse 15 on fuse holder C
SC16	Fuse 16 on fuse holder C
T4ea	4-pin connector, black
T5dv	5-pin connector, black
T5e	5-pin connector, brown
T8bu	8-pin connector, black
T8t	8-pin connector, black
T9a	9-pin connector, black
T9b	9-pin connector, blue
T17c	17-pin connector, yellow
T18k	18-pin connector, black
T20c	20-pin connector, black
T32f	32-pin connector, grey
*	Up to September 2019
*2	From October 2019
*3	For models with navigation system, Low
*4	According to equipment
*5	For models with Bang & Olufsen sound system
*6	For models with 8 loudspeakers (8RM)
*7	For models with High infotainment system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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ge	=	yellow
or	=	orange
rs	=	pink

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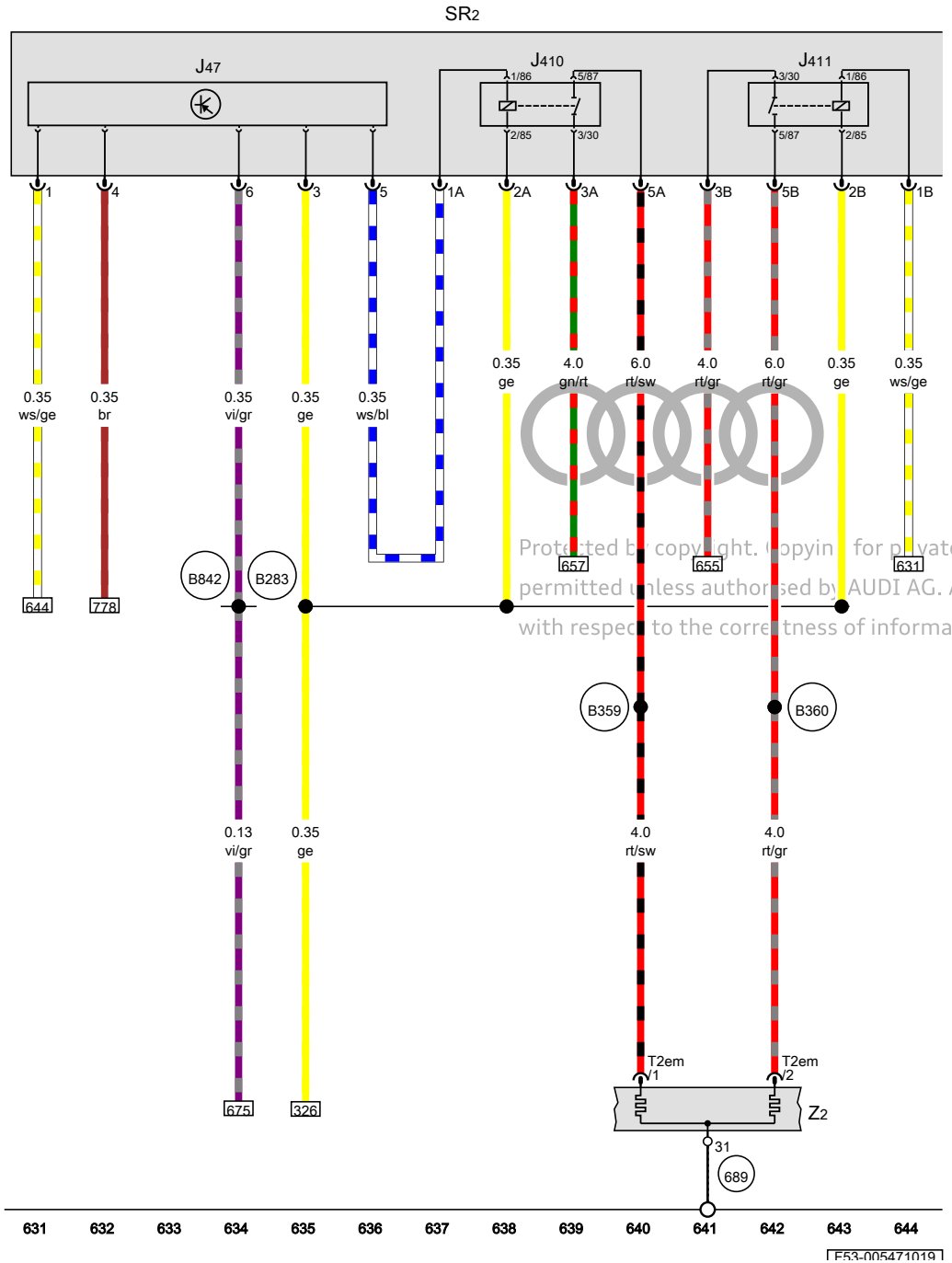

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Heated windscreen relay, Heated windscreen relay for left side, Heated windscreen relay for right side, Relay and fuse carrier 2, Heated windscreen

J47	Heated windscreen relay, grey
J410	Heated windscreen relay for left side, brown
J411	Heated windscreen relay for right side, brown
SR2	Relay and fuse carrier 2
SF2	Fuse 2 in fuse holder F
T2em	2-pin connector, black
Z2	Heated windscreen
689	Earth point, at front, central in roof
B283	Positive connection 7 (15a) in main wiring harness
B359	Positive connection 10 (87a) in main wiring harness
B360	Positive connection 11 (87a) in main wiring harness
B842	Connection 8 (LIN bus) in main wiring harness

ws	=	white
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rt	=	red
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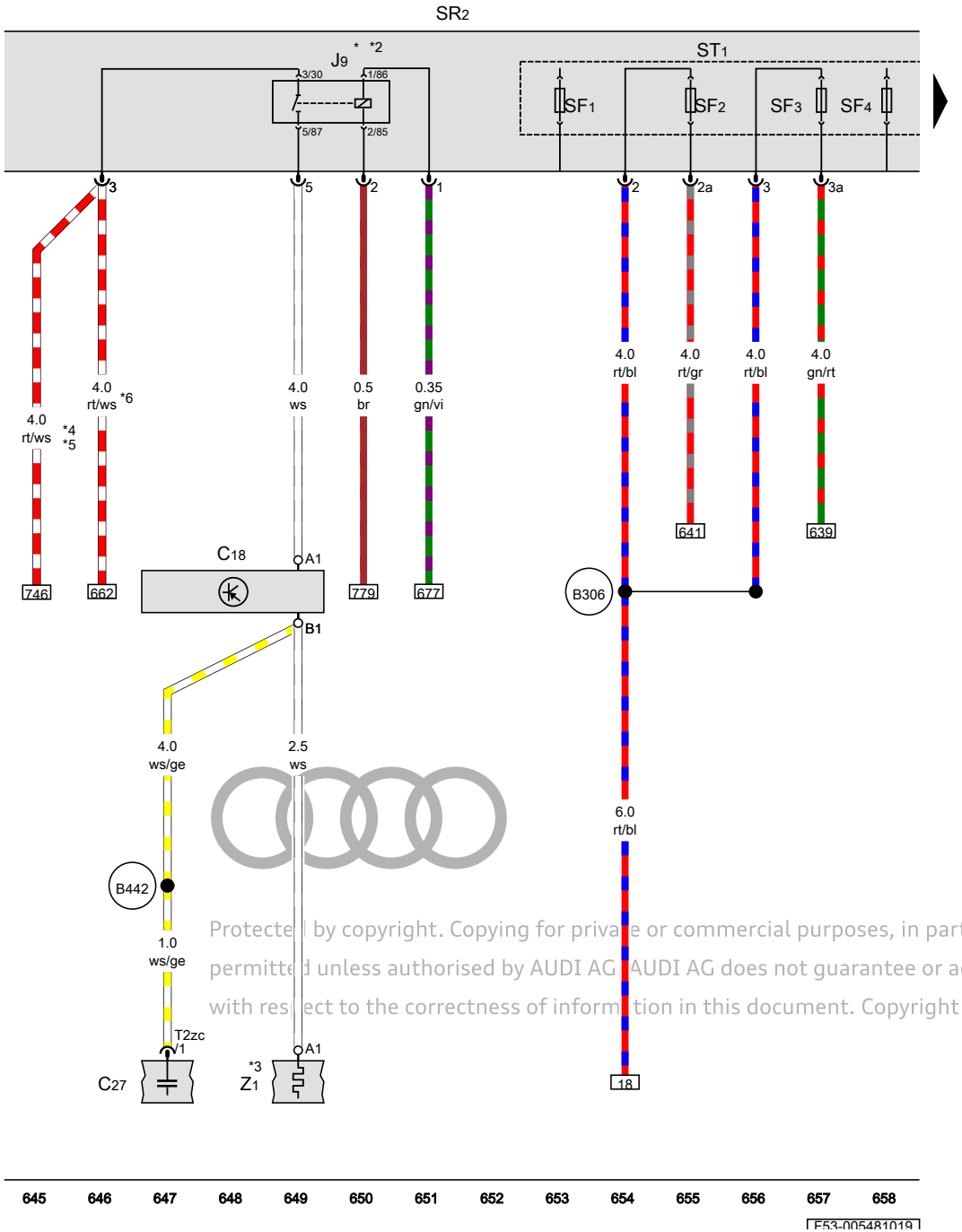

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Fuse carrier 1, Relay and fuse carrier 2

C18	Window aerial suppression filter
C27	Suppression filter for heated rear window
J9	Heated rear window relay, white
ST1	Fuse carrier 1, black
SF1	Fuse 1 in fuse holder F
SF2	Fuse 2 in fuse holder F
SR2	Relay and fuse carrier 2
SF3	Fuse 3 in fuse holder F
SF4	Fuse 4 in fuse holder F
T2zc	2-pin connector, black
Z1	Heated rear window
B306	Positive connection 10 (30), in main wiring harness
B442	Connection 1 (rear window), in main wiring harness
*	see applicable current flow diagram for basic equipment
*2	see applicable current flow diagram for convertible roof
*3	Pre-wired component
*4	Sportback
*5	Coupé
*6	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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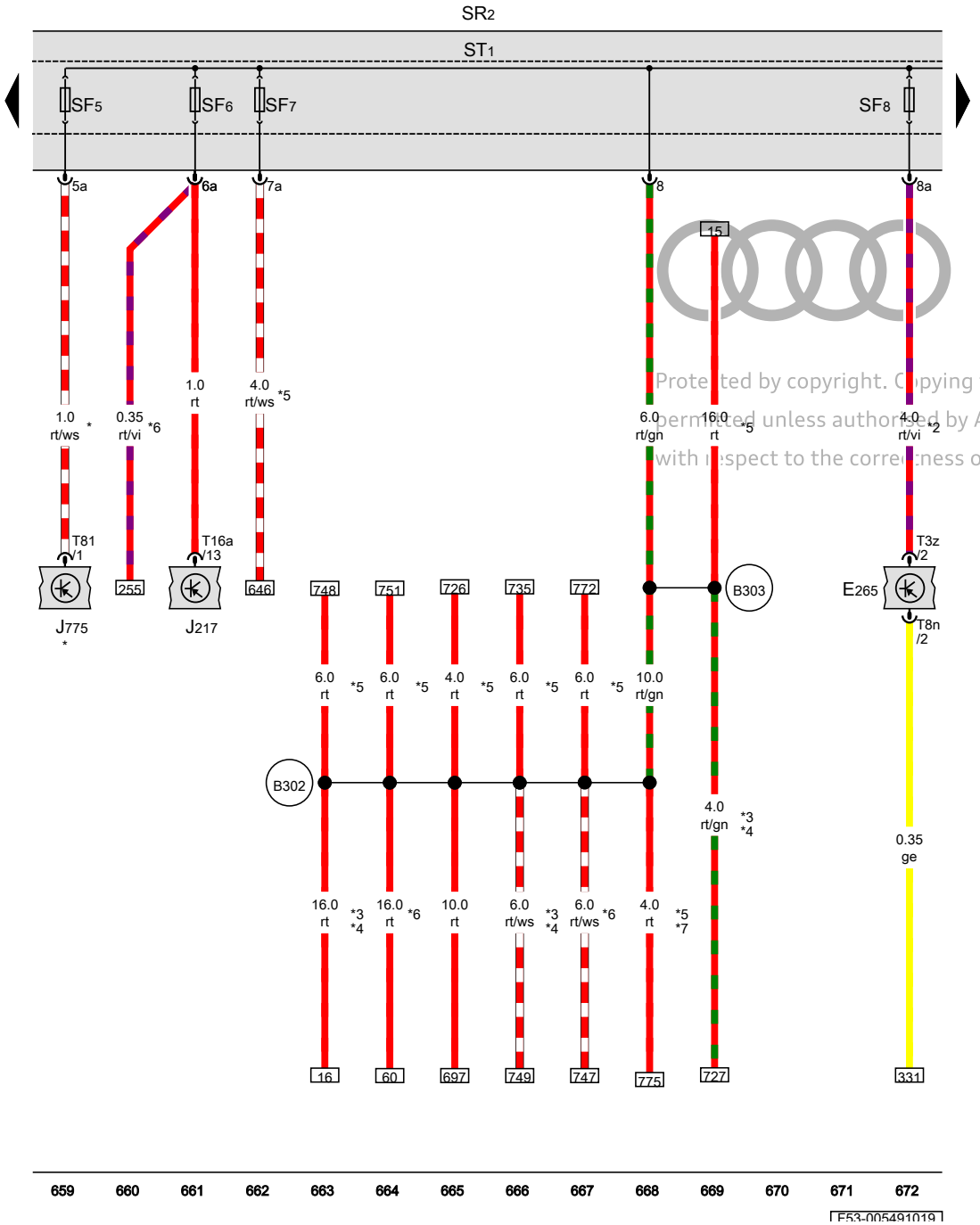

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Fuse carrier 1, Relay and fuse carrier 2

E265	Operating and display unit for rear air conditioning system
J217	Automatic gearbox control unit
J775	Running gear control unit
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
SF5	Fuse 5 in fuse holder F
SF6	Fuse 6 in fuse holder F
SF7	Fuse 7 in fuse holder F
SF8	Fuse 8 in fuse holder F
T3z	3-pin connector, black
T8n	8-pin connector, black
T16a	16-pin connector, black
T81	81-pin connector, black
B302	Positive connection 6 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
*	For models with adaptive suspension
*2	see applicable current flow diagram for air conditioning
*3	Coupé
*4	Sportback
*5	For Cabriolet models
*6	For models with natural gas engine
*7	From October 2019

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
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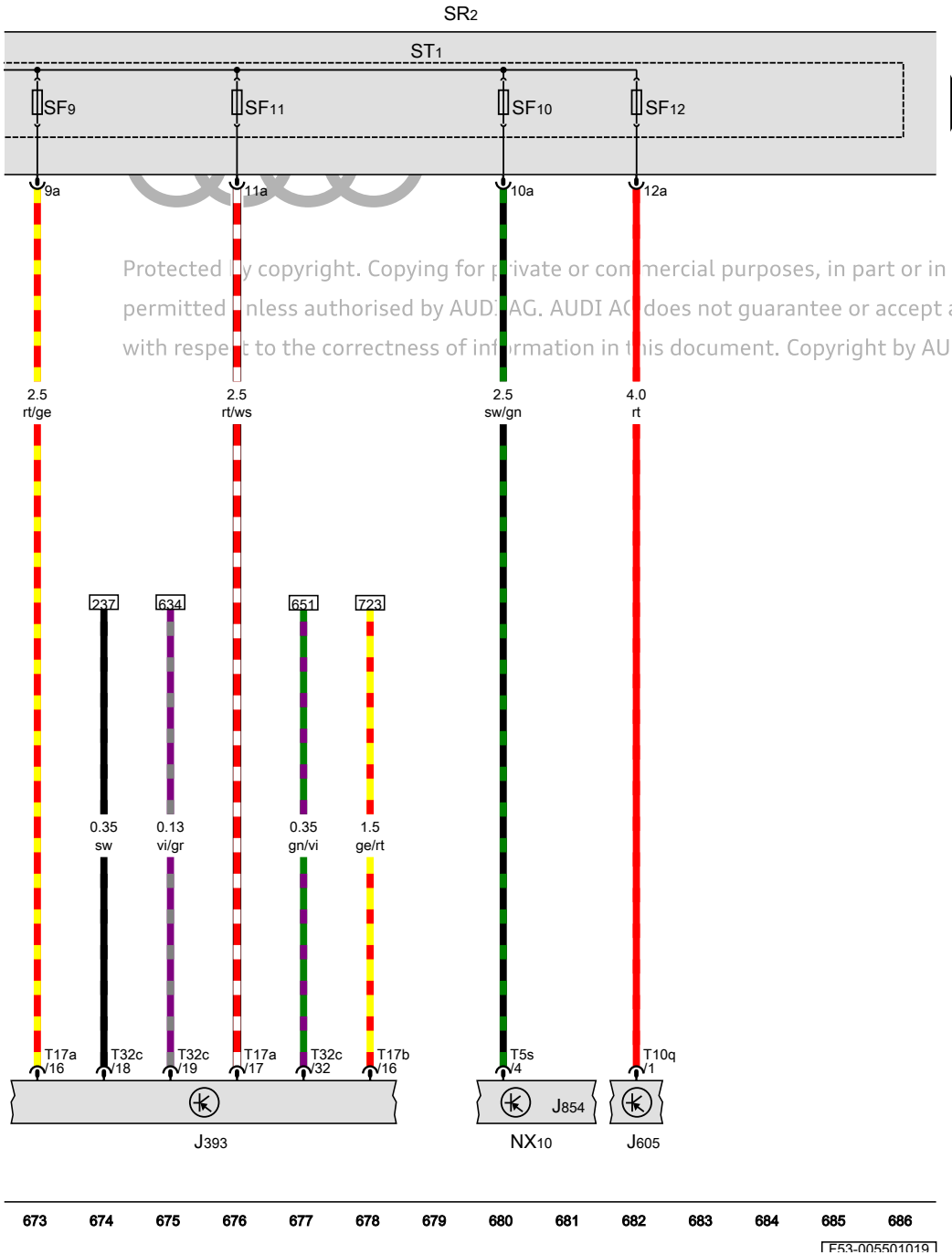

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Fuse carrier 1, Relay and fuse carrier 2

J393	Convenience system central control unit
J605	Rear lid control unit
J854	Control unit for front left belt tensioner
NX10	Front left seat belt
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
SF9	Fuse 9 in fuse holder F
SF10	Fuse 10 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF12	Fuse 12 in fuse holder F
T5s	5-pin connector, colourless
T10q	10-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, black

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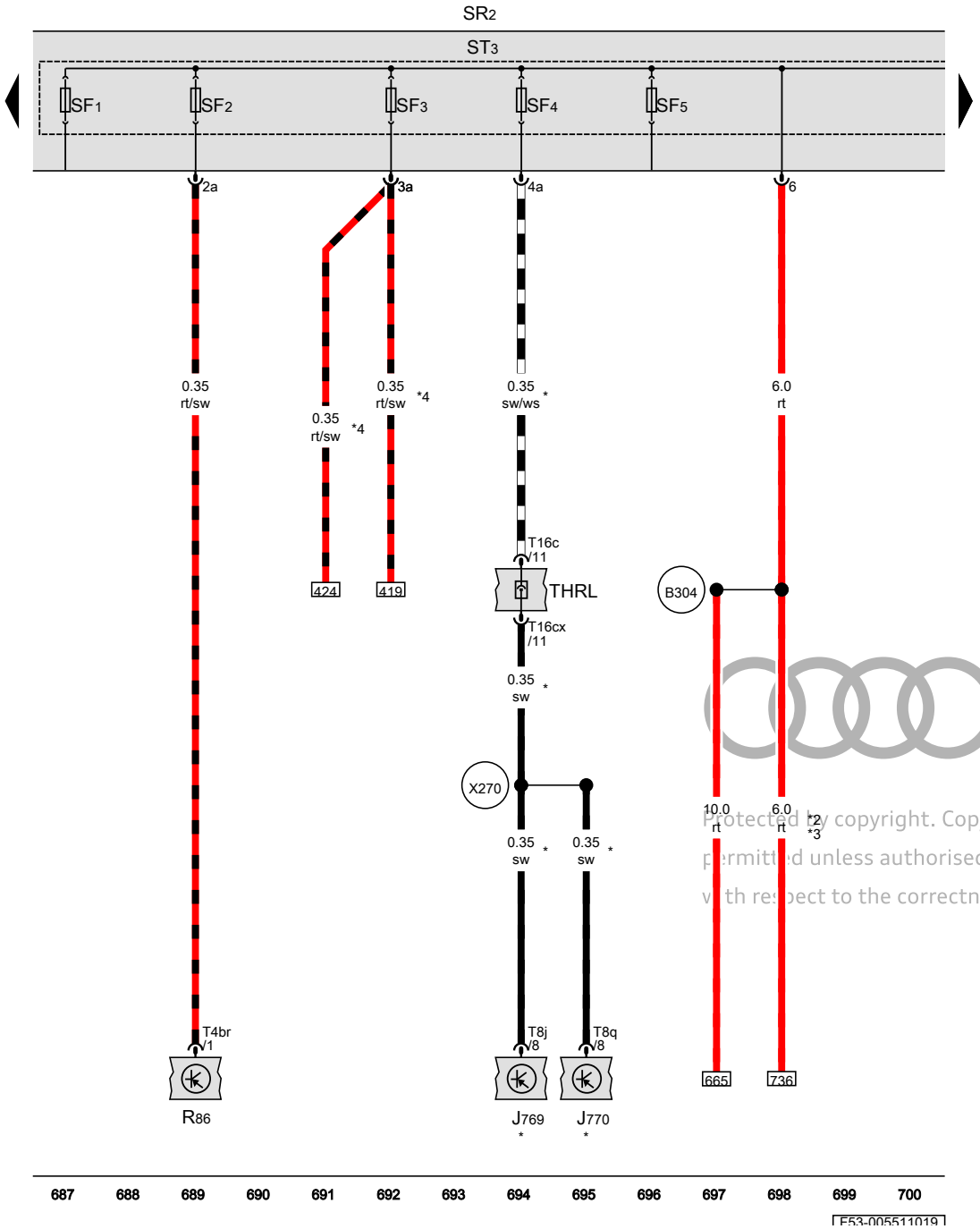

Relay and fuse carrier 2, Fuse carrier 3

J769	Lane change assist control unit
J770	Lane change assist control unit 2
R86	Aerial amplifier for mobile telephone
SF1	Fuse 1 in fuse holder F
SR2	Relay and fuse carrier 2
SF2	Fuse 2 in fuse holder F
ST3	Fuse carrier 3, brown
SF3	Fuse 3 in fuse holder F
SF4	Fuse 4 in fuse holder F
SF5	Fuse 5 in fuse holder F
T4br	4-pin connector, black
T8j	8-pin connector, black
T8q	8-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
THRL	Coupling point in luggage compartment, left
B304	Positive connection 8 (30), in main wiring harness
X270	Connection (30), rear bumper wiring harness
*	For models with lane change assist
*2	Coupé
*3	Sportback
*4	According to equipment

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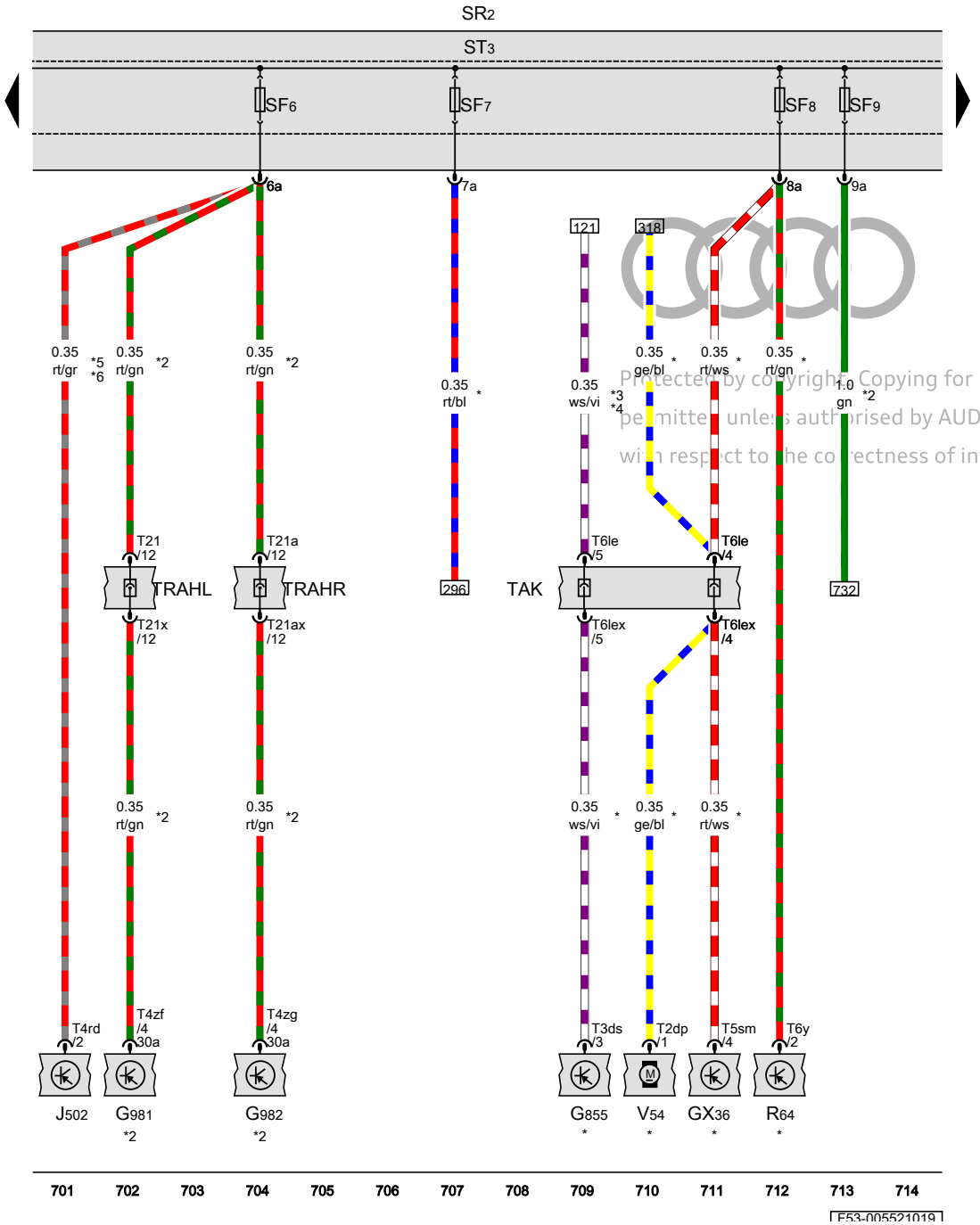

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Relay and fuse carrier 2, Fuse carrier 3

GX36	Fuel tank leak detection module
G855	Biodiesel concentration sender
G981	Left ultrasonic sensor for passenger compartment monitoring system, rear
G982	Right ultrasonic sensor for passenger compartment monitoring system, rear
J502	Tyre Pressure Monitoring System control unit
R64	Remote control receiver for auxiliary heater
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF6	Fuse 6 in fuse holder F
SF7	Fuse 7 in fuse holder F
SF8	Fuse 8 in fuse holder F
SF9	Fuse 9 in fuse holder F
T2dp	2-pin connector, black
T3ds	3-pin connector, black
T4rd	4-pin connector, grey
T4zf	4-pin connector
T4zg	4-pin connector
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T6y	6-pin connector, blue
T21	21-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
T21x	21-pin connector, black
TAK	Coupling point for fuel tank
TRAHL	Coupling point in rear left wheel housing wiring
TRAHR	Coupling point in rear right wheel housing wiring
V54	Metering pump
*	According to equipment
*2	For Cabriolet models
*3	For models with 2.0l engine
*4	For models with diesel engine
*5	Coupé
*6	Sportback

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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gr	=	grey
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vi	=	purple
ge	=	yellow
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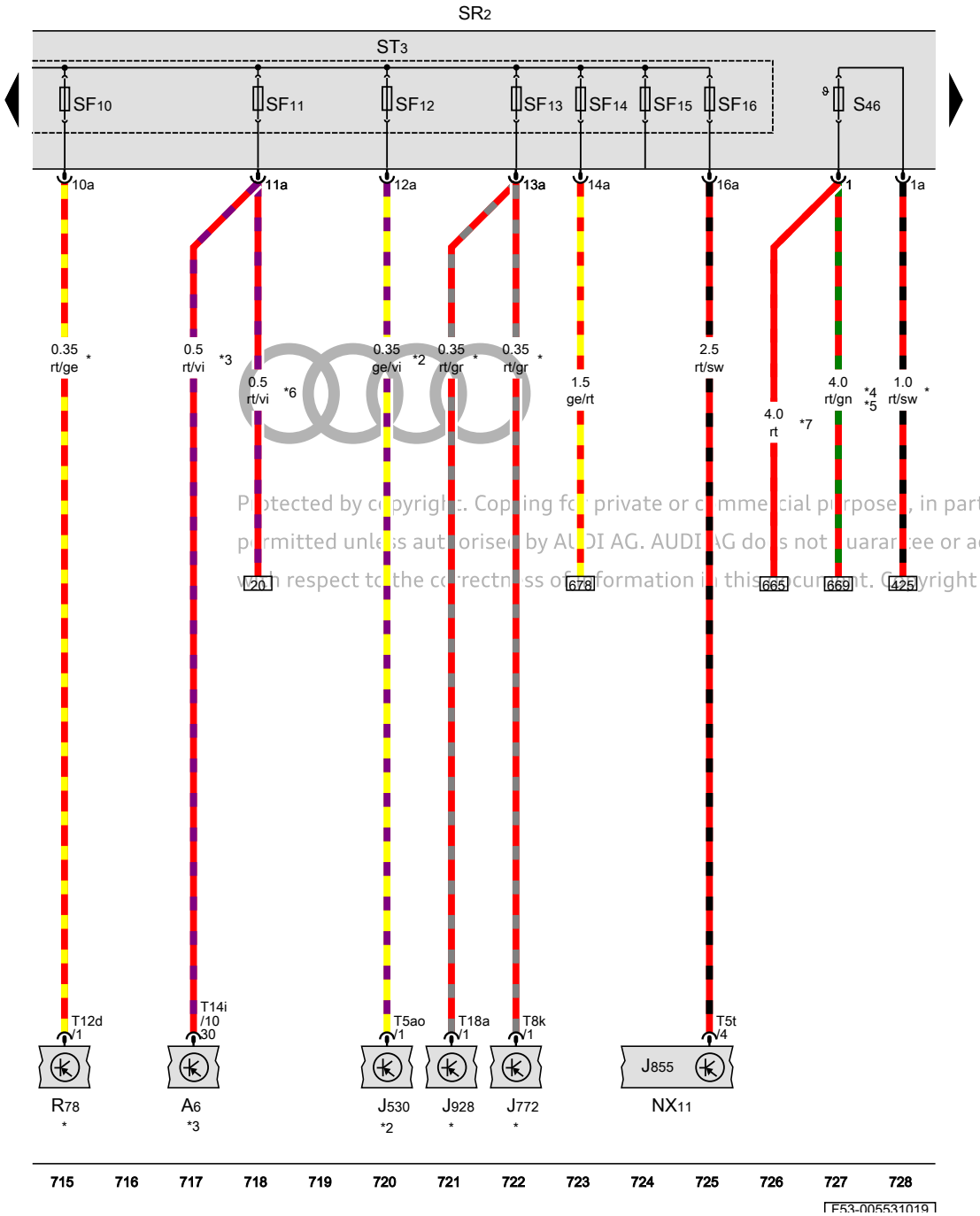

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Relay and fuse carrier 2, Fuse carrier 3, Front passenger seat adjustment thermal fuse 1

A6	Battery, 48 V, in luggage compartment
J530	Garage door operation control unit
J772	Reversing camera system control unit
J855	Control unit for front right belt tensioner
J928	Control unit for overhead view camera
NX11	Front right seat belt
R78	TV tuner
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF10	Fuse 10 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF12	Fuse 12 in fuse holder F
SF13	Fuse 13 in fuse holder F
SF14	Fuse 14 in fuse holder F
SF15	Fuse 15 in fuse holder F
SF16	Fuse 16 in fuse holder F
S46	Front passenger seat adjustment thermal fuse 1
T5ao	5-pin connector, black
T5t	5-pin connector, colourless
T8k	8-pin connector, black
T12d	12-pin connector, black
T14i	14-pin connector, black
T18a	18-pin connector, black
*	According to equipment
*2	For models with garage door opener
*3	For models with 48 V system
*4	Coupé
*5	Sportback
*6	For models with 12 V hybrid system
*7	For Cabriolet models

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sw	=	black
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rt	=	red
br	=	brown
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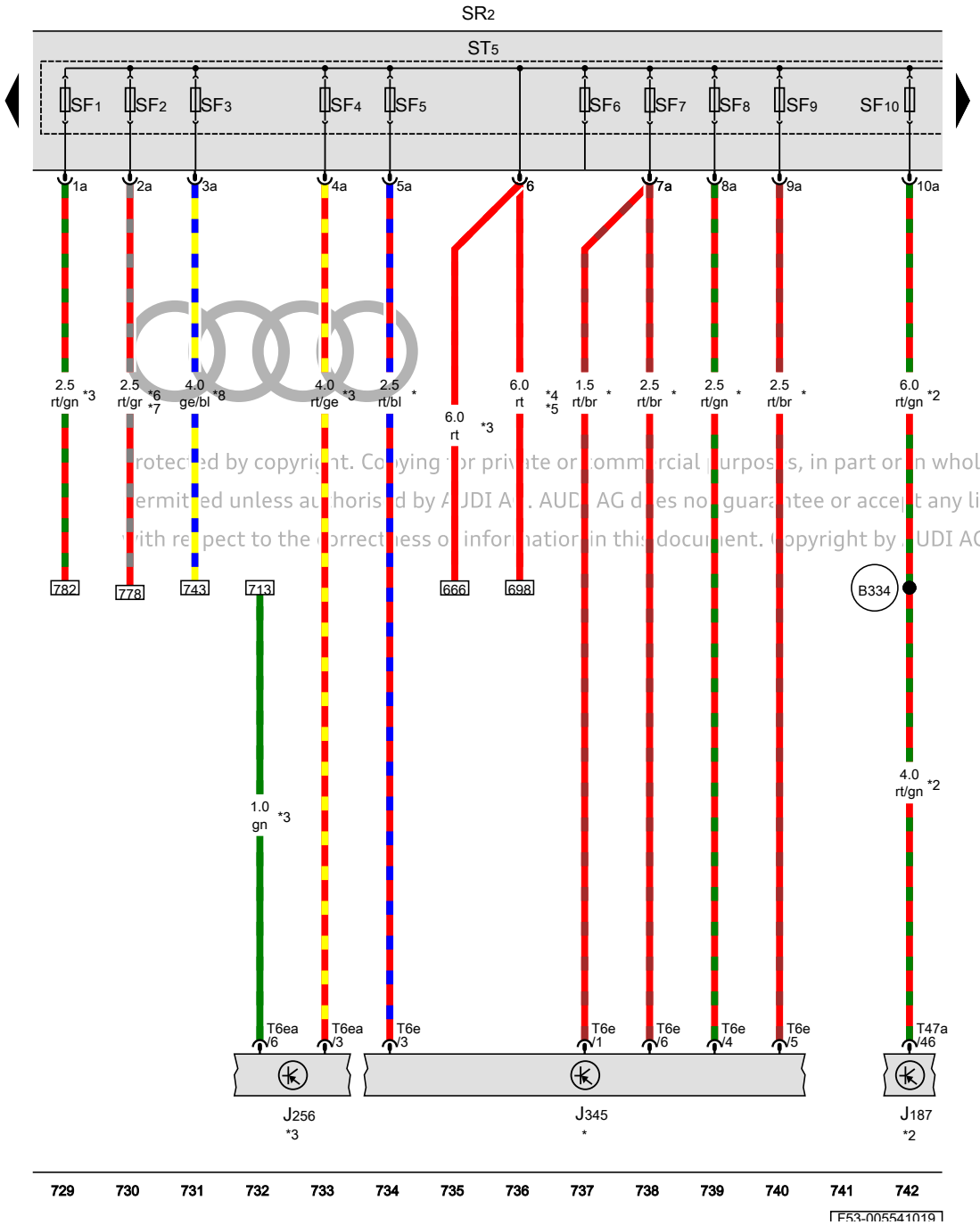

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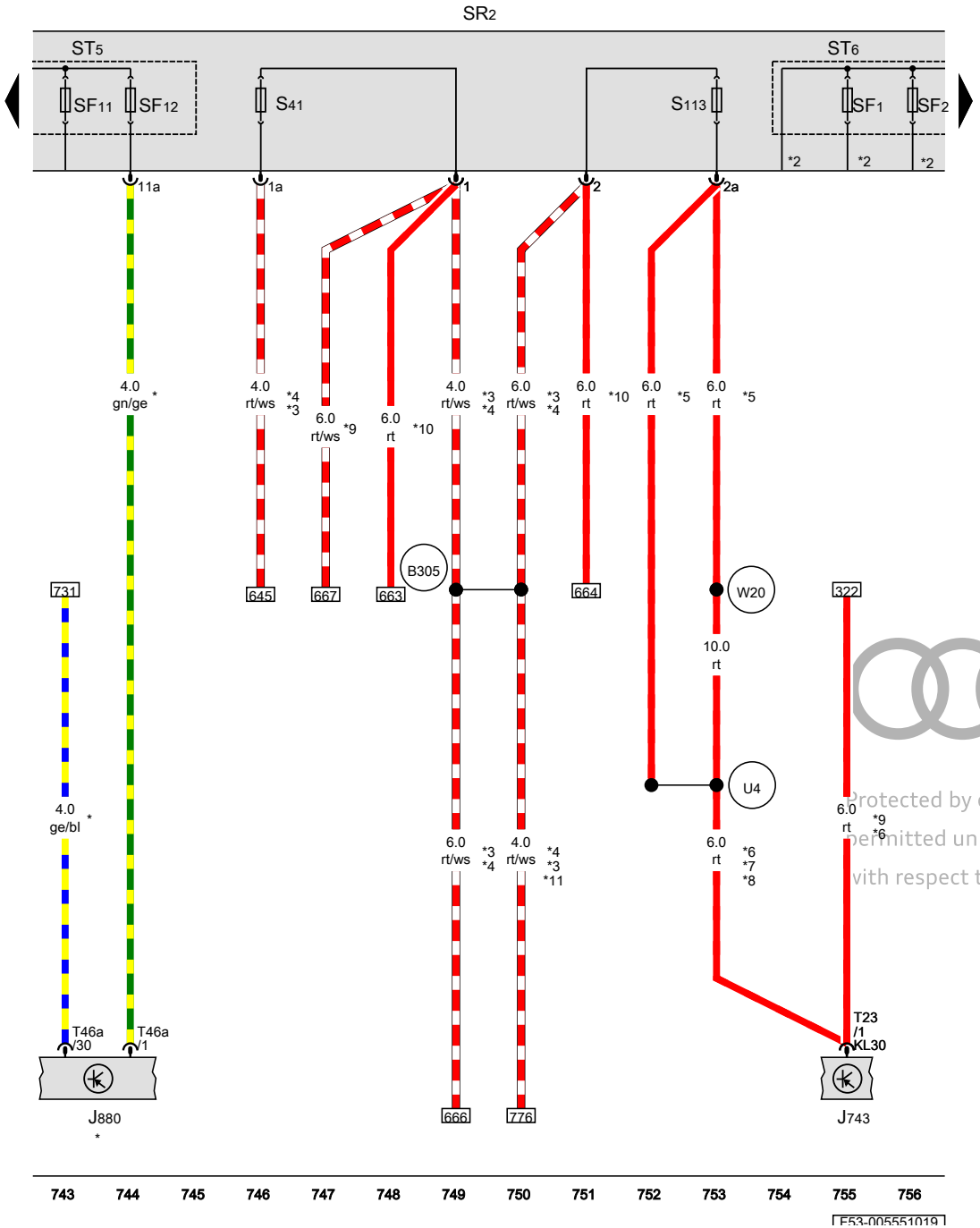
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Relay and fuse carrier 2, Fuse carrier 5

J187	Differential lock control unit
J256	Convertible roof actuation control unit
J345	Trailer detector control unit
SF1	Fuse 1 in fuse holder F
SR2	Relay and fuse carrier 2
SF2	Fuse 2 in fuse holder F
SF3	Fuse 3 in fuse holder F
SF4	Fuse 4 in fuse holder F
ST5	Fuse carrier 5, red
SF5	Fuse 5 in fuse holder F
SF6	Fuse 6 in fuse holder F
SF7	Fuse 7 in fuse holder F
SF8	Fuse 8 in fuse holder F
SF9	Fuse 9 in fuse holder F
SF10	Fuse 10 in fuse holder F
T6e	6-pin connector, black
T6ea	6-pin connector, black
T47a	47-pin connector, black
B334	Positive connection 20 (30a) in main wiring harness
*	For models with towing bracket
*2	For models with all-wheel drive
*3	For Cabriolet models
*4	Coupé
*5	Sportback
*6	For models with Bang & Olufsen sound system
*7	Up to September 2019
*8	For models with reducing agent metering system



Relay and fuse carrier 2, Fuse carrier 5, Fuse carrier 6, Heated rear window single fuse, Automatic gearbox control unit fuse

J743	Mechatronic unit for dual clutch gearbox
J880	Control unit for reducing agent metering system
SF1	Fuse 1 in fuse holder F
SR2	Relay and fuse carrier 2
SF2	Fuse 2 in fuse holder F
ST5	Fuse carrier 5, red
ST6	Fuse carrier 6, black
SF11	Fuse 11 in fuse holder F
SF12	Fuse 12 in fuse holder F
S41	Heated rear window single fuse
S113	Automatic gearbox control unit fuse
T23	23-pin connector, black
T46a	46-pin connector, black
B305	Positive connection 9 (30), in main wiring harness
U4	Connection (30), in automatic gearbox wiring harness
W20	Positive connection (30a) in rear wiring harness
*	For models with reducing agent metering system
*2	Special equipment
*3	Coupé
*4	Sportback
*5	According to equipment
*6	For models with automatic gearbox
*7	For models with petrol engine
*8	For models with diesel engine
*9	For models with natural gas engine
*10	For Cabriolet models
*11	From October 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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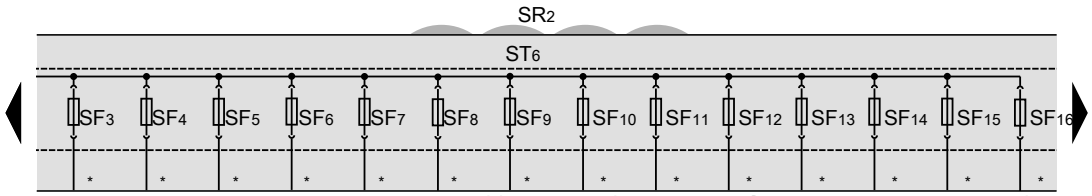

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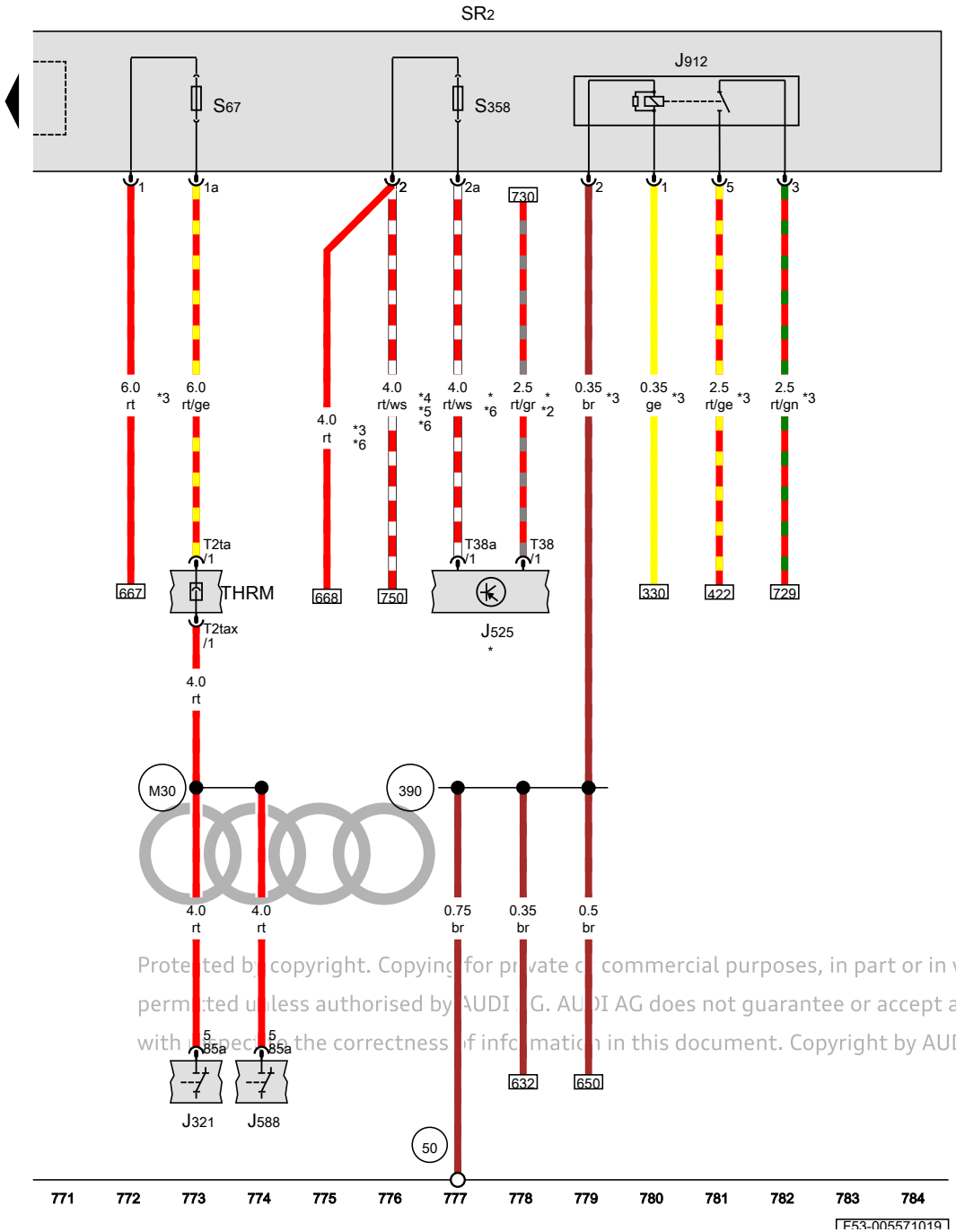
Relay and fuse carrier 2, Fuse carrier 6

SR2	Relay and fuse carrier 2
SF3	Fuse 3 in fuse holder F
SF4	Fuse 4 in fuse holder F
SF5	Fuse 5 in fuse holder F
SF6	Fuse 6 in fuse holder F
ST6	Fuse carrier 6, black
SF7	Fuse 7 in fuse holder F
SF8	Fuse 8 in fuse holder F
SF9	Fuse 9 in fuse holder F
SF10	Fuse 10 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF12	Fuse 12 in fuse holder F
SF13	Fuse 13 in fuse holder F
SF14	Fuse 14 in fuse holder F
SF15	Fuse 15 in fuse holder F
SF16	Fuse 16 in fuse holder F
*	Special equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

757 758 759 760 761 762 763 764 765 766 767 768 769 770

E53-0055610191



Relay for right neck heating, Relay and fuse carrier 2

J321	Convertible roof actuation hydraulic pump relay
J525	Digital sound package control unit
J588	Hydraulic pump relay 2 for convertible roof
J912	Relay for right neck heating
SR2	Relay and fuse carrier 2
S67	Convertible roof actuation fuse
S358	Digital sound package fuse
T2ta	2-pin connector, black
T2tax	2-pin connector, black
T38	38-pin connector, black
T38a	38-pin connector, black
THRM	Coupling point in luggage compartment, centre
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
M30	Positive connection (30), in roof actuation wiring harness
*	For models with Bang & Olufsen sound system
*2	Up to September 2019
*3	For Cabriolet models
*4	Sportback
*5	Coupé
*6	From October 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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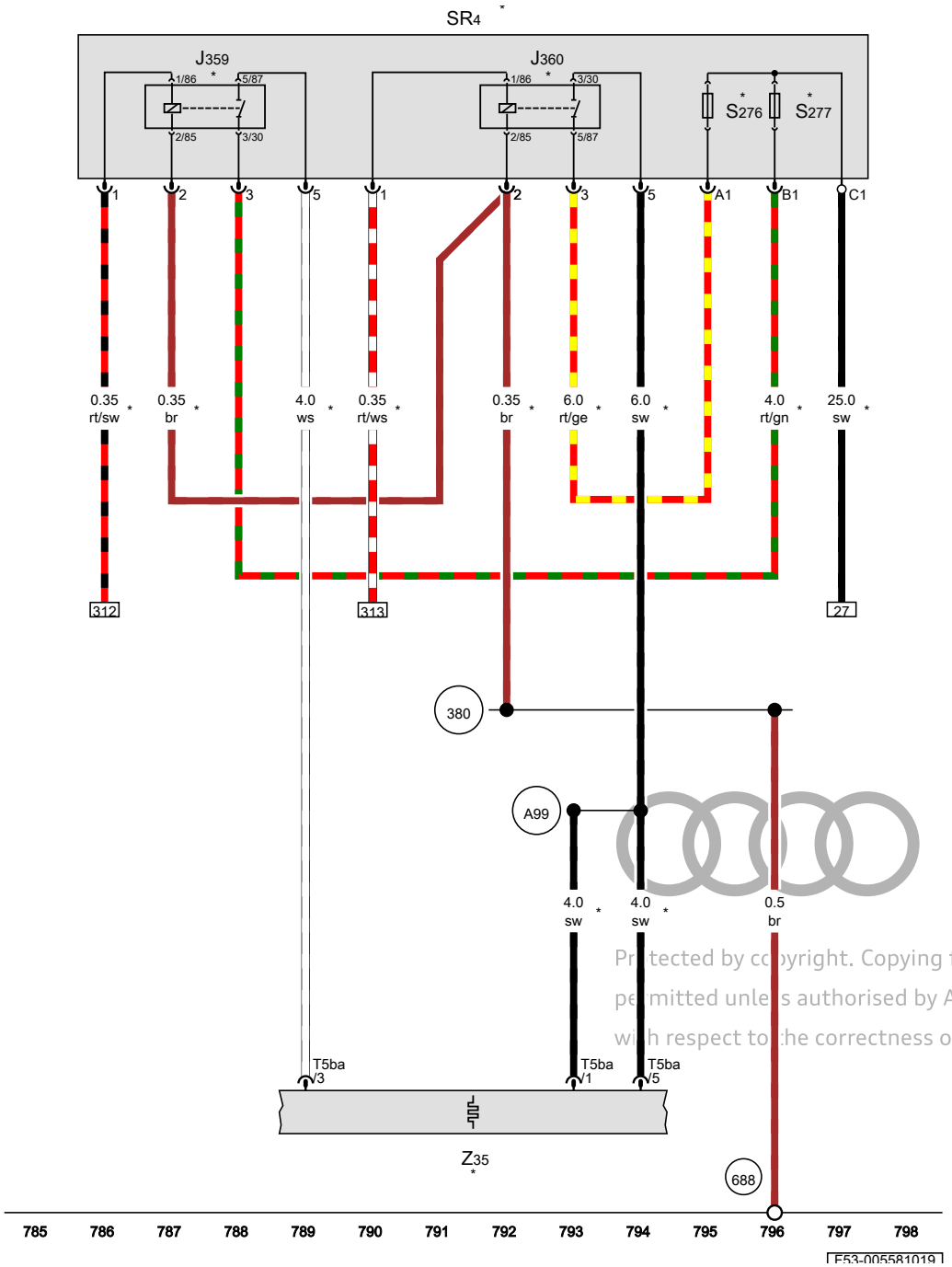

Low heat output relay, High heat output relay, Relay and fuse carrier 4

J359	Low heat output relay
J360	High heat output relay
SR4	Relay and fuse carrier 4
S276	Heater element fuse 1
S277	Heater element fuse 2
T5ba	5-pin connector, black
Z35	Auxiliary air heater element
380	Earth connection 15, in main wiring harness
688	Earth point 2, on centre tunnel
A99	Connection 1 (87) in dash panel wiring harness
*	For models with auxiliary air heater

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Airbag systems , (L0L)

From July 2016

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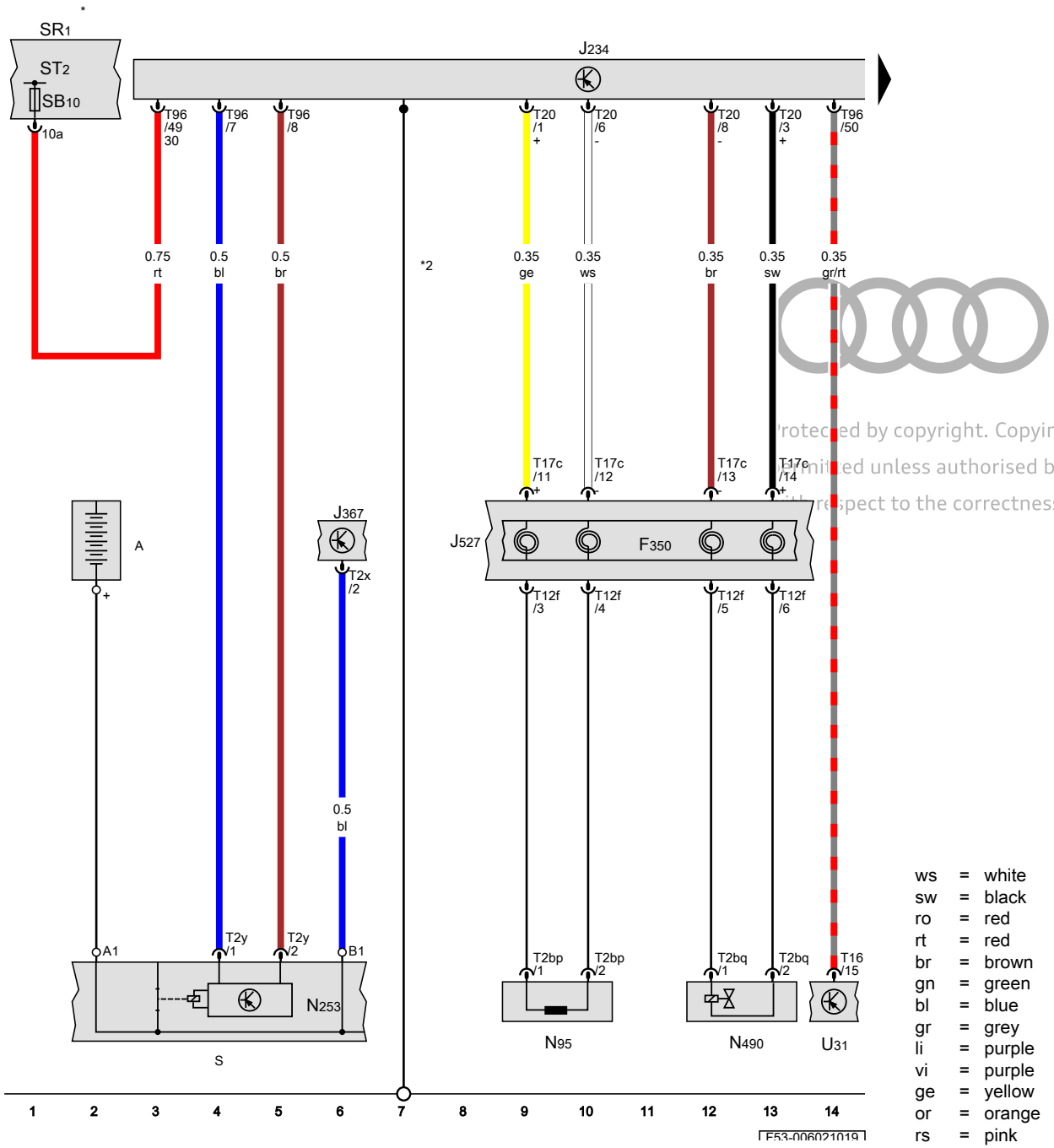

Airbag control unit, Airbag igniter on driver side, Igniter for exhaust valve for driver airbag, Fuses in fuse holder

A	Battery
F350	Coil connector
J234	Airbag control unit
J367	Battery monitor control unit
J527	Steering column electronics control unit
N95	Airbag igniter on driver side
N253	Battery isolation igniter
N490	Igniter for exhaust valve for driver airbag
S	Fuses in fuse holder, on fuse holder, battery
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB10	Fuse 10 on fuse holder B
T2bp	2-pin connector, yellow
T2bq	2-pin connector, yellow
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T12f	12-pin connector, black
T16	16-pin connector, black
T17c	17-pin connector, yellow
T20	20-pin connector, yellow
T96	96-pin connector, yellow
U31	Diagnostic connection
*	see applicable current flow diagram for fuse assignment
*2	Earth supply via housing

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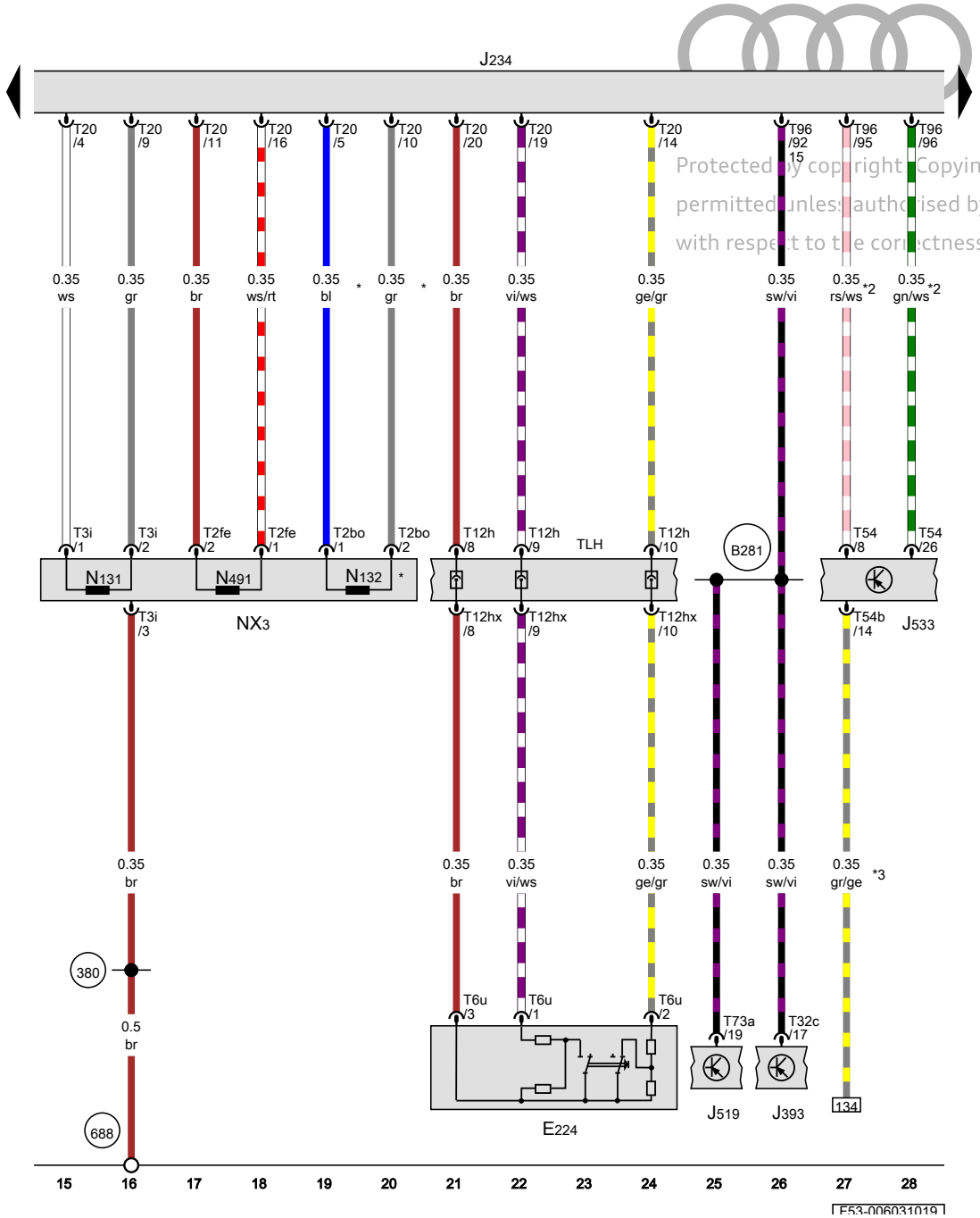

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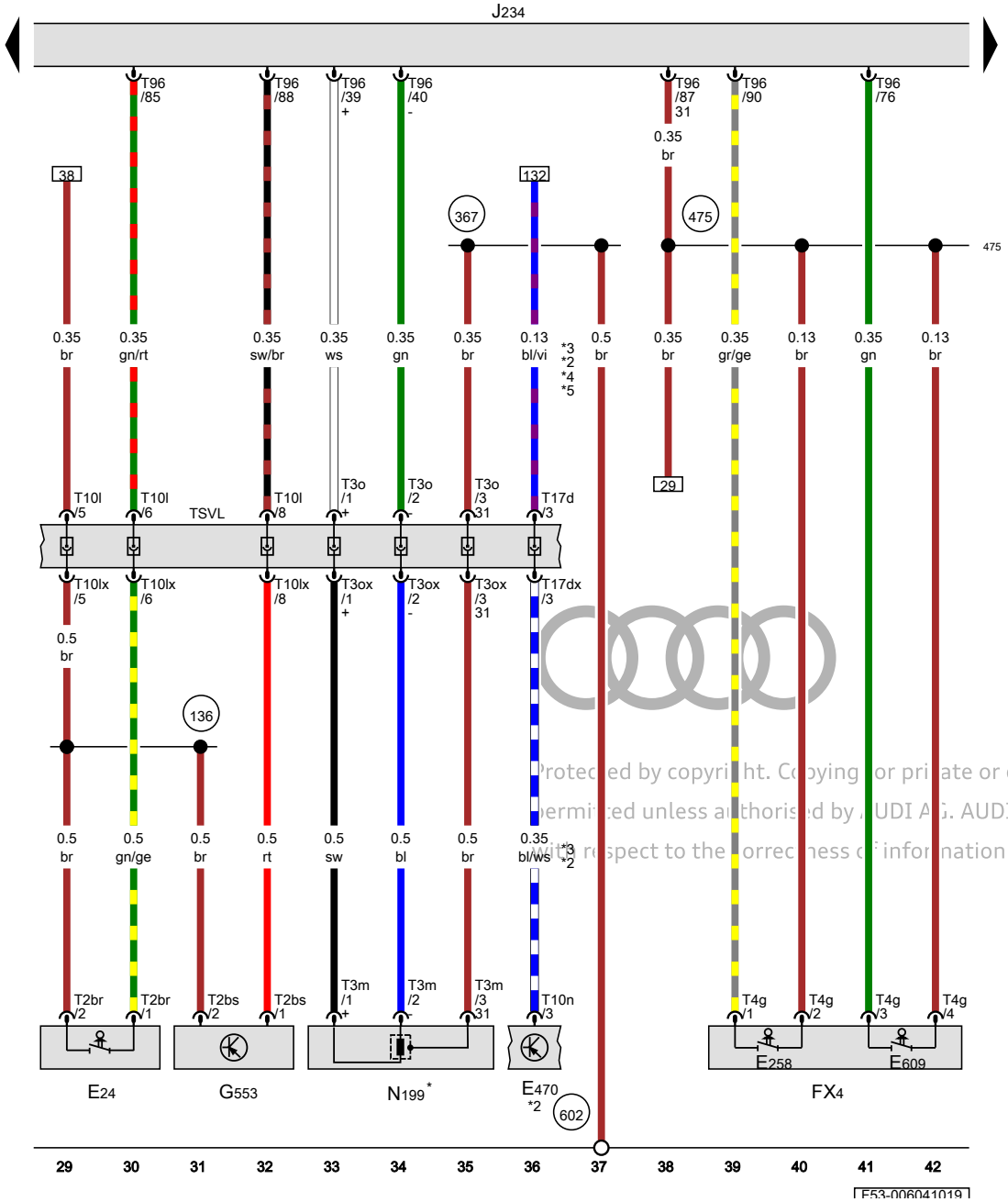
Key operated switch to deactivate airbag on front passenger side, Airbag control unit, Data bus diagnostic interface, Front passenger airbag unit

E224	Key operated switch to deactivate airbag on front passenger side
J234	Airbag control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
NX3	Front passenger airbag unit
N131	Airbag igniter 1 on front passenger side
N132	Airbag igniter 2 on front passenger side
N491	Igniter for exhaust valve for front passenger airbag
T2bo	2-pin connector, yellow
T2fe	2-pin connector, yellow
T3i	3-pin connector, yellow
T6u	6-pin connector, yellow
T12h	12-pin connector, black
T12hx	12-pin connector, black
T20	20-pin connector, yellow
T32c	32-pin connector, black
T54	54-pin connector, black
T54b	54-pin connector, blue
T73a	73-pin connector, black
T96	96-pin connector, yellow
TLH	Coupling point for glove compartment wiring harness
380	Earth connection 15, in main wiring harness
688	Earth point 2, on centre tunnel
B281	Positive connection 5 (15a) in main wiring harness
*	For models with equipment for Korea
*2	Data bus wire (FlexRay bus)
*3	According to equipment



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Driver side belt switch, Twin belt buckle, Driver side seat position sensor, Airbag control unit, Side airbag igniter on driver side

E24	Driver side belt switch
E258	Rear belt switch, driver side
E470	Driver seat adjustment operating unit
E609	Rear centre belt switch
FX4	Twin belt buckle
G553	Driver side seat position sensor
J234	Airbag control unit
N199	Side airbag igniter on driver side
T2br	2-pin connector, black
T2bs	2-pin connector, black
T3m	3-pin connector, yellow
T3o	3-pin connector, yellow
T3ox	3-pin connector, yellow
T4g	4-pin connector, black
T10l	10-pin connector, black
T10lx	10-pin connector, black
T10n	10-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T96	96-pin connector, yellow
TSVL	Coupling point for front left seat
136	Earth connection 2, in seat heating wiring harness
367	Earth connection 2, in main wiring harness
475	Earth connection (airbag), in main wiring harness
602	Earth point, in front left footwell

* Pre-wired component
*2 see applicable current flow diagram for seat adjustment
*3 Sportback
*4 For models with electric seat adjustment on driver side
*5 For models with electric seat adjustment on passenger side

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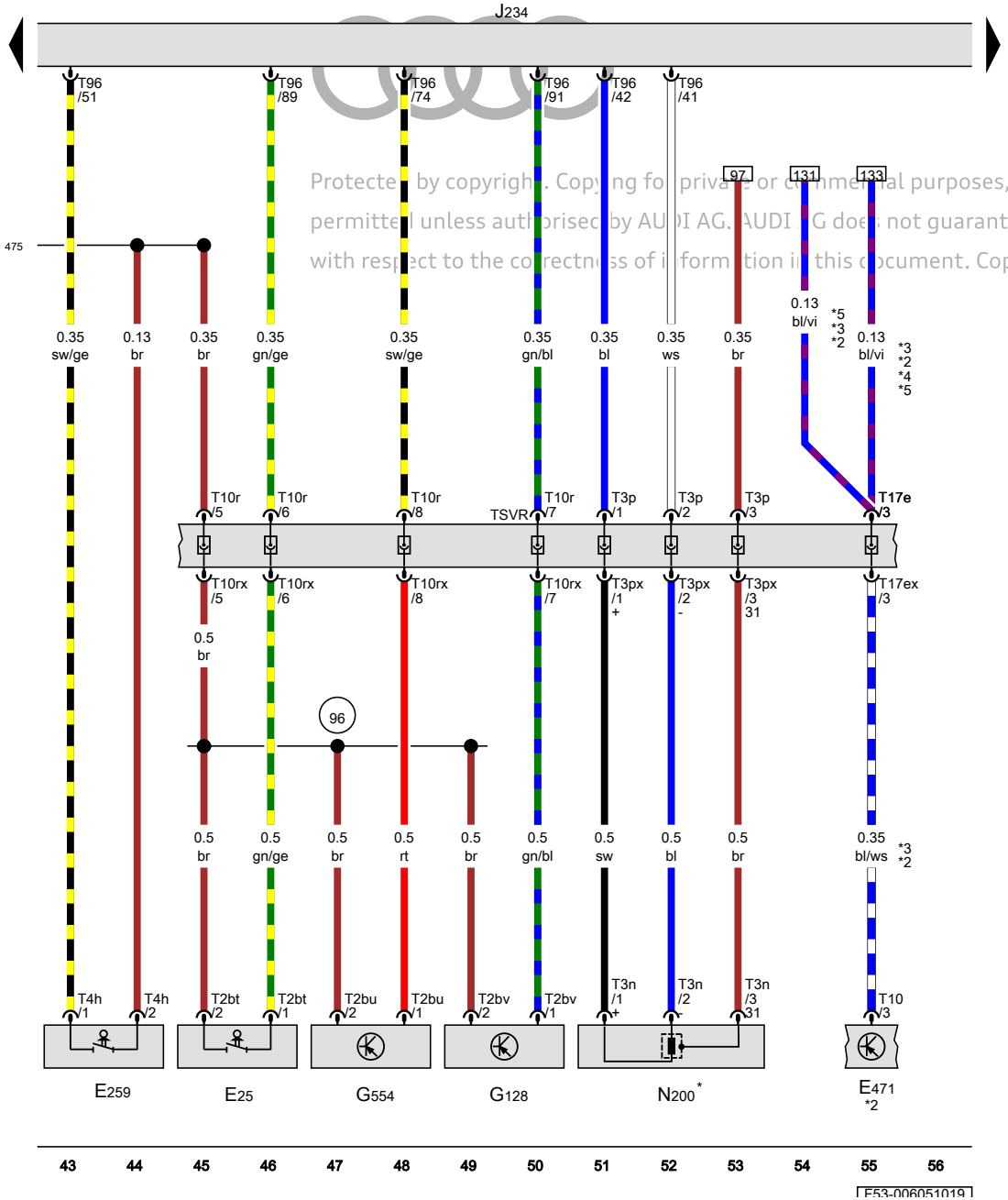

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Front passenger side belt switch, Rear belt switch, passenger side, Seat occupied sensor on front passenger side, Front passenger side seat position sensor, Airbag control unit, Side airbag igniter on front passenger side

E25	Front passenger side belt switch
E259	Rear belt switch, passenger side
E471	Front passenger seat adjustment operating unit
G128	Seat occupied sensor on front passenger side
G554	Front passenger side seat position sensor
J234	Airbag control unit
N200	Side airbag igniter on front passenger side
T2bt	2-pin connector, black
T2bu	2-pin connector, black
T2bv	2-pin connector, black
T3n	3-pin connector, yellow
T3p	3-pin connector, yellow
T3px	3-pin connector, yellow
T4h	4-pin connector, black
T10	10-pin connector, black
T10r	10-pin connector, black
T10rx	10-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
T96	96-pin connector, yellow
TSVR	Coupling point for front right seat
96	Earth connection 1, in seat heating wiring harness
475	Earth connection (airbag), in main wiring harness
*	Pre-wired component
*2	see applicable current flow diagram for seat adjustment
*3	Sportback
*4	For models with electric seat adjustment on driver side
*5	For models with electric seat adjustment on passenger side

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gn	=	green
bl	=	blue
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vi	=	purple
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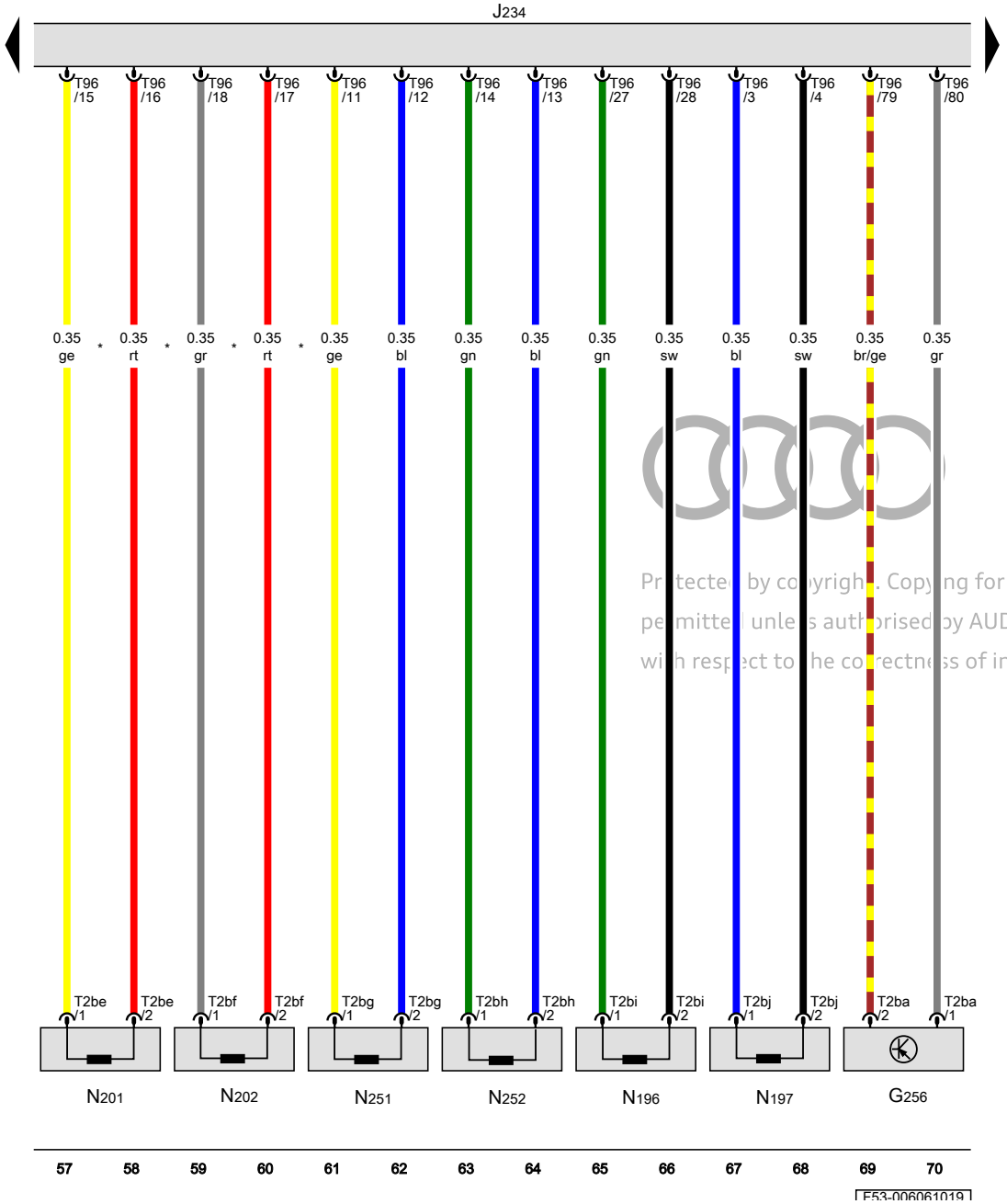

Rear side airbag crash sensor on driver side, Airbag control unit, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on passenger side, Rear side airbag igniter on driver side, Rear side airbag igniter on passenger side, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

G256	Rear side airbag crash sensor on driver side
J234	Airbag control unit
N196	Rear belt tensioner igniter on driver side
N197	Rear belt tensioner igniter on passenger side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on passenger side
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T2ba	2-pin connector, black
T2be	2-pin connector, yellow
T2bf	2-pin connector, yellow
T2bg	2-pin connector, yellow
T2bh	2-pin connector, yellow
T2bi	2-pin connector, yellow
T2bj	2-pin connector, yellow
T96	96-pin connector, yellow
*	According to equipment

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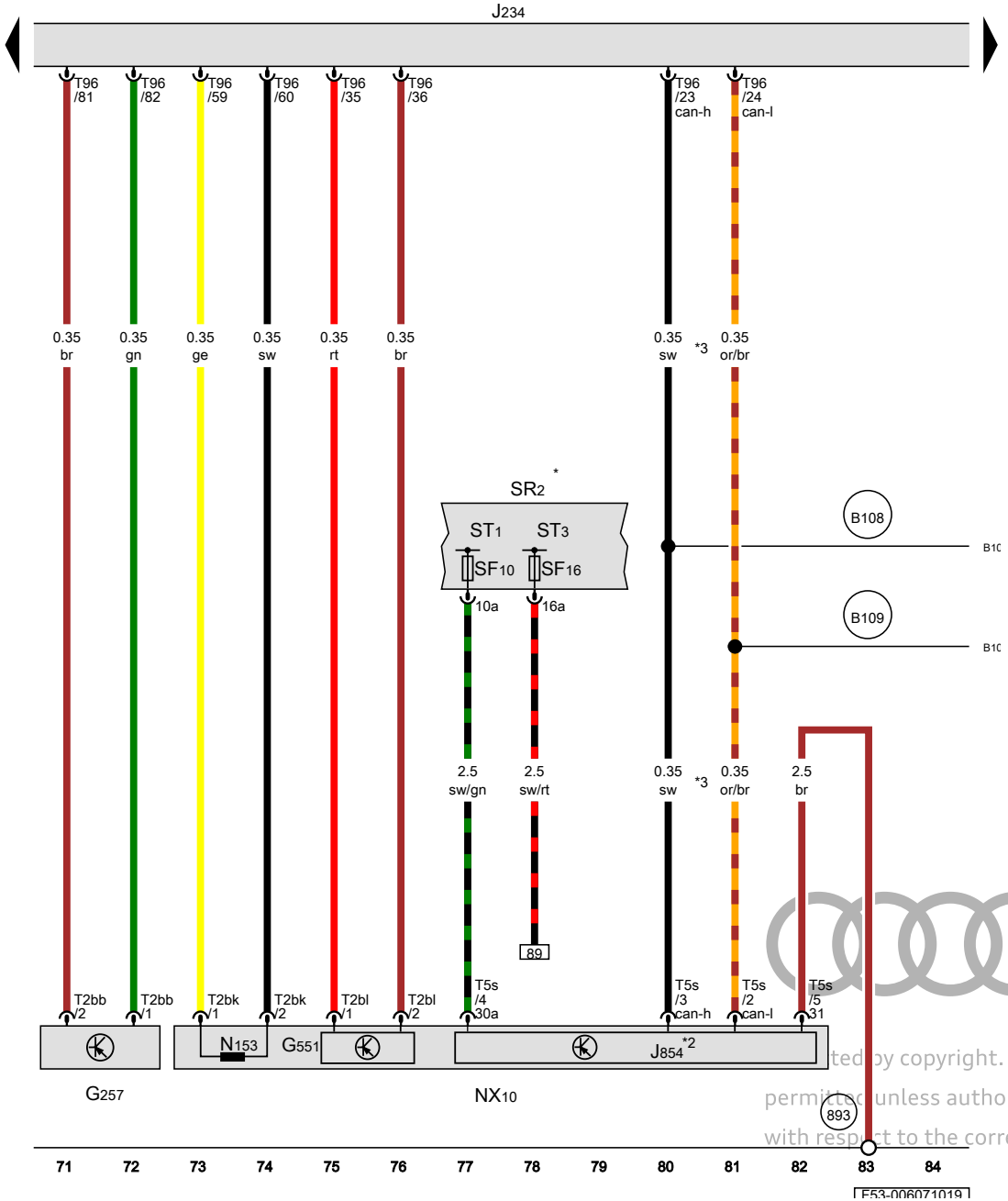

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Rear side airbag crash sensor on passenger side, Driver side belt force limiter, Airbag control unit, Front left seat belt, Driver seat belt tensioner igniter 1

G257	Rear side airbag crash sensor on passenger side
G551	Driver side belt force limiter
J234	Airbag control unit
J854	Control unit for front left belt tensioner
NX10	Front left seat belt
N153	Driver seat belt tensioner igniter 1
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF10	Fuse 10 in fuse holder F
SF16	Fuse 16 in fuse holder F
T2bb	2-pin connector, black
T2bk	2-pin connector, yellow, black
T2bl	2-pin connector, yellow
T5s	5-pin connector, colourless
T96	96-pin connector, yellow
893	Earth point 2, on left B-pillar
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	Different wire colour possible

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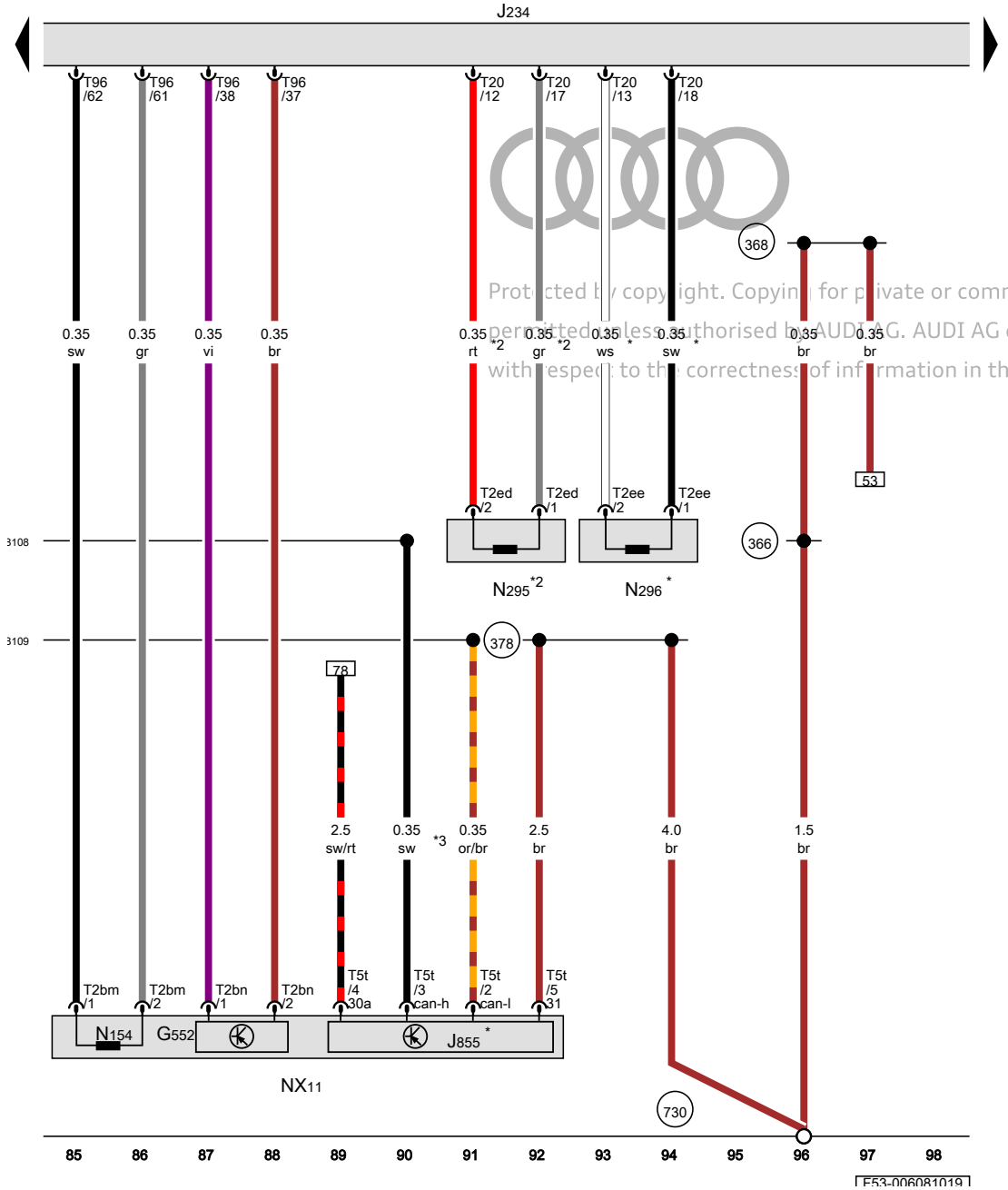

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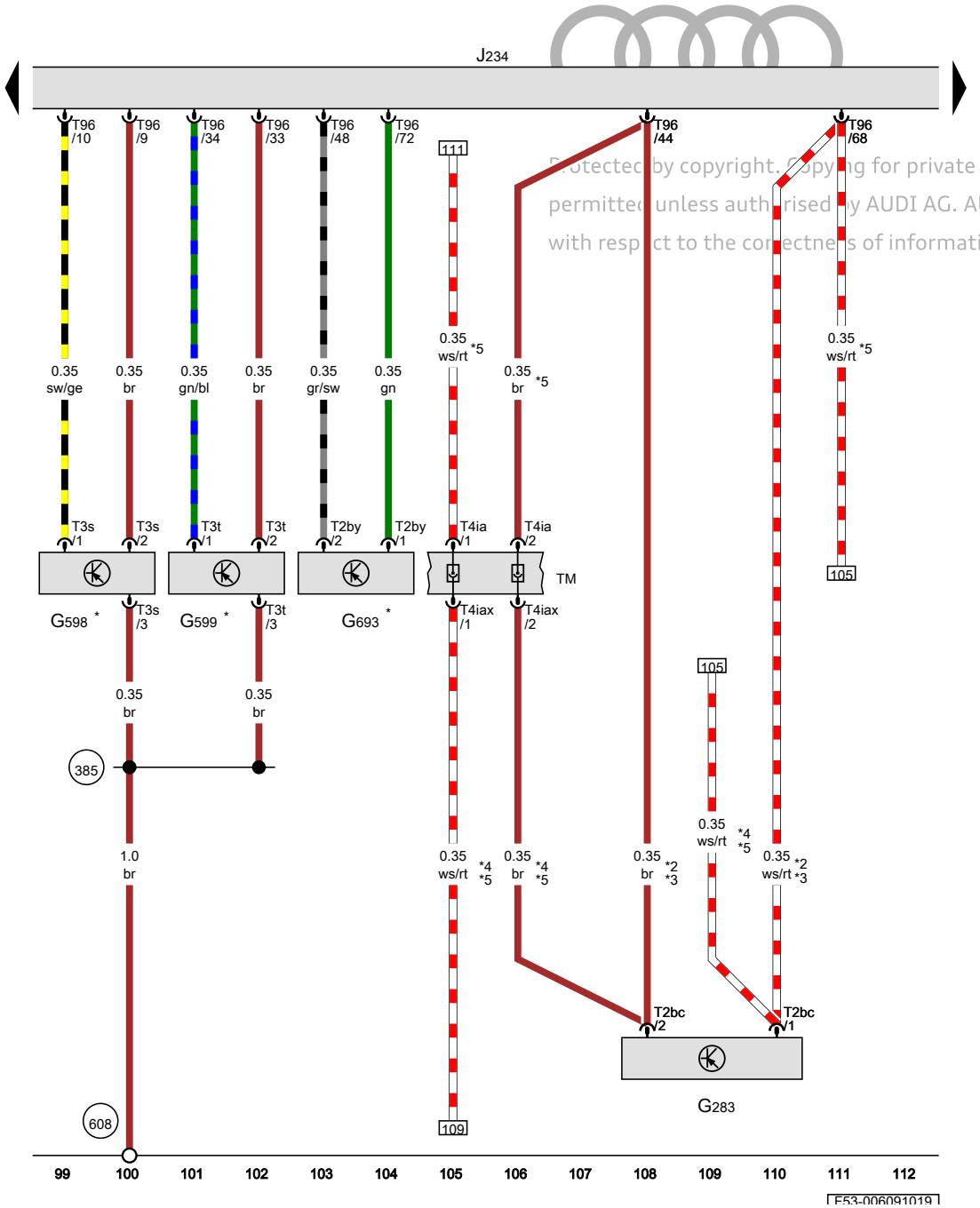
Front passenger side belt force limiter, Airbag control unit, Front right seat belt, Front passenger seat belt tensioner igniter 1, Driver side knee airbag igniter, Front passenger side knee airbag igniter

G552	Front passenger side belt force limiter
J234	Airbag control unit
J855	Control unit for front right belt tensioner
NX11	Front right seat belt
N154	Front passenger seat belt tensioner igniter 1
N295	Driver side knee airbag igniter
N296	Front passenger side knee airbag igniter
T2bm	2-pin connector, yellow, black
T2bn	2-pin connector, yellow
T2ed	2-pin connector, yellow
T2ee	2-pin connector, yellow
T5t	5-pin connector, colourless
T20	20-pin connector, yellow
T96	96-pin connector, yellow
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
378	Earth connection 13, in main wiring harness
730	Earth point 1, on right rear wheel housing
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	According to equipment
*2	For models with driver side knee airbag
*3	Different wire colour possible



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Front airbag crash sensor for driver side, Trigger 1 for pedestrian protection, Trigger 2 for pedestrian protection, Centre crash sensor for pedestrian protection, Airbag control unit

G283	Front airbag crash sensor for driver side
G598	Trigger 1 for pedestrian protection
G599	Trigger 2 for pedestrian protection
G693	Centre crash sensor for pedestrian protection
J234	Airbag control unit
T2bc	2-pin connector, yellow
T2by	2-pin connector, yellow
T3s	3-pin connector, yellow
T3t	3-pin connector, yellow
T4ia	4-pin connector, black
T4iax	4-pin connector, black
T96	96-pin connector, yellow
TM	Coupling point in engine compartment
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
*	For models with pedestrian protection system
*2	For models with petrol engine
*3	For models with diesel engine
*4	Different wire colour possible
*5	For models with natural gas engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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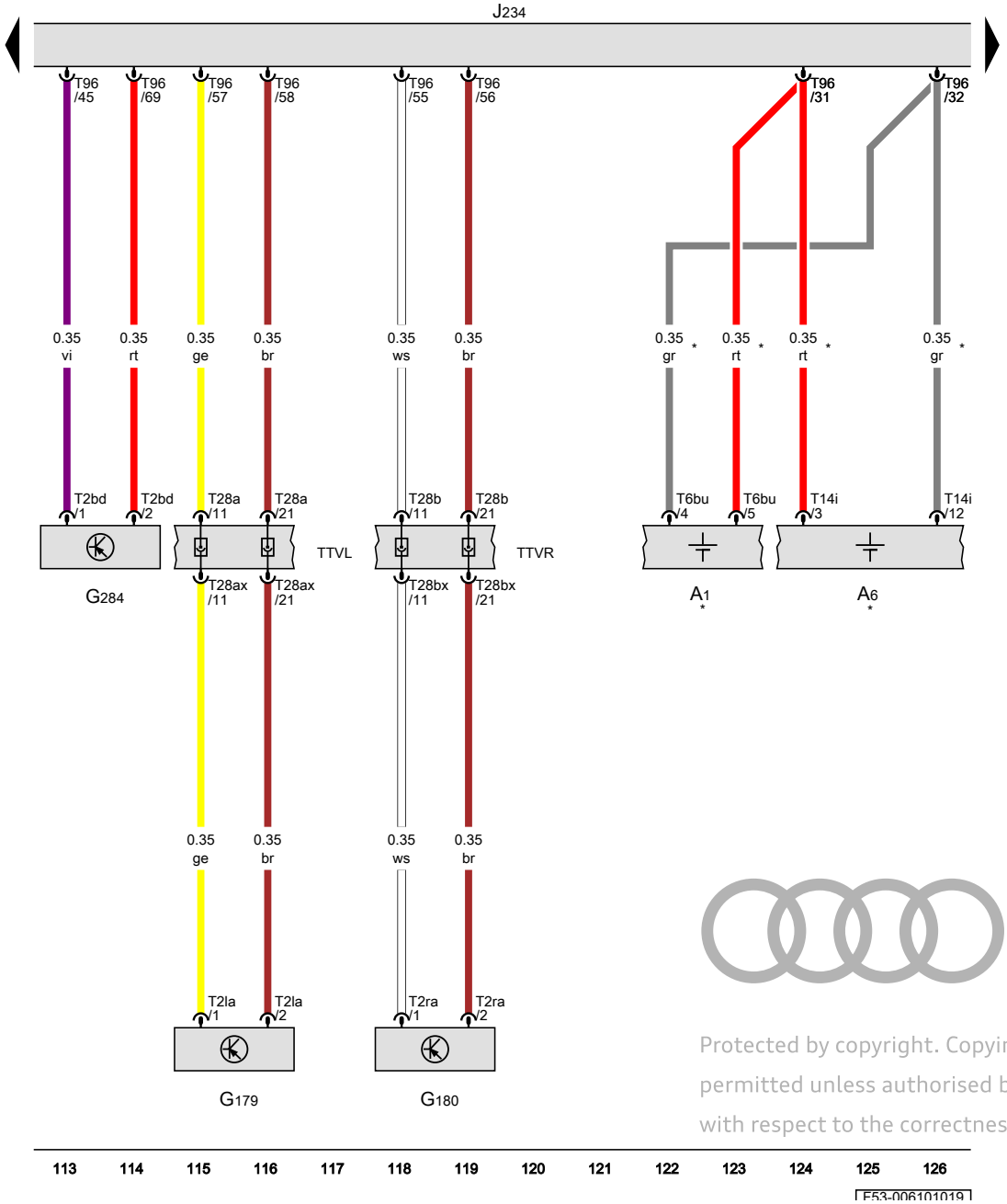

Second battery, Battery, 48 V, Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Front airbag crash sensor for front passenger side, Airbag control unit

A1	Second battery
A6	Battery, 48 V
G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G284	Front airbag crash sensor for front passenger side
J234	Airbag control unit
T2bd	2-pin connector, yellow
T2la	2-pin connector, black
T2ra	2-pin connector, black
T6bu	6-pin connector, black
T14i	14-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
T96	96-pin connector, yellow
TTVL	Coupling point for front left door
TTVR	Coupling point for front right door
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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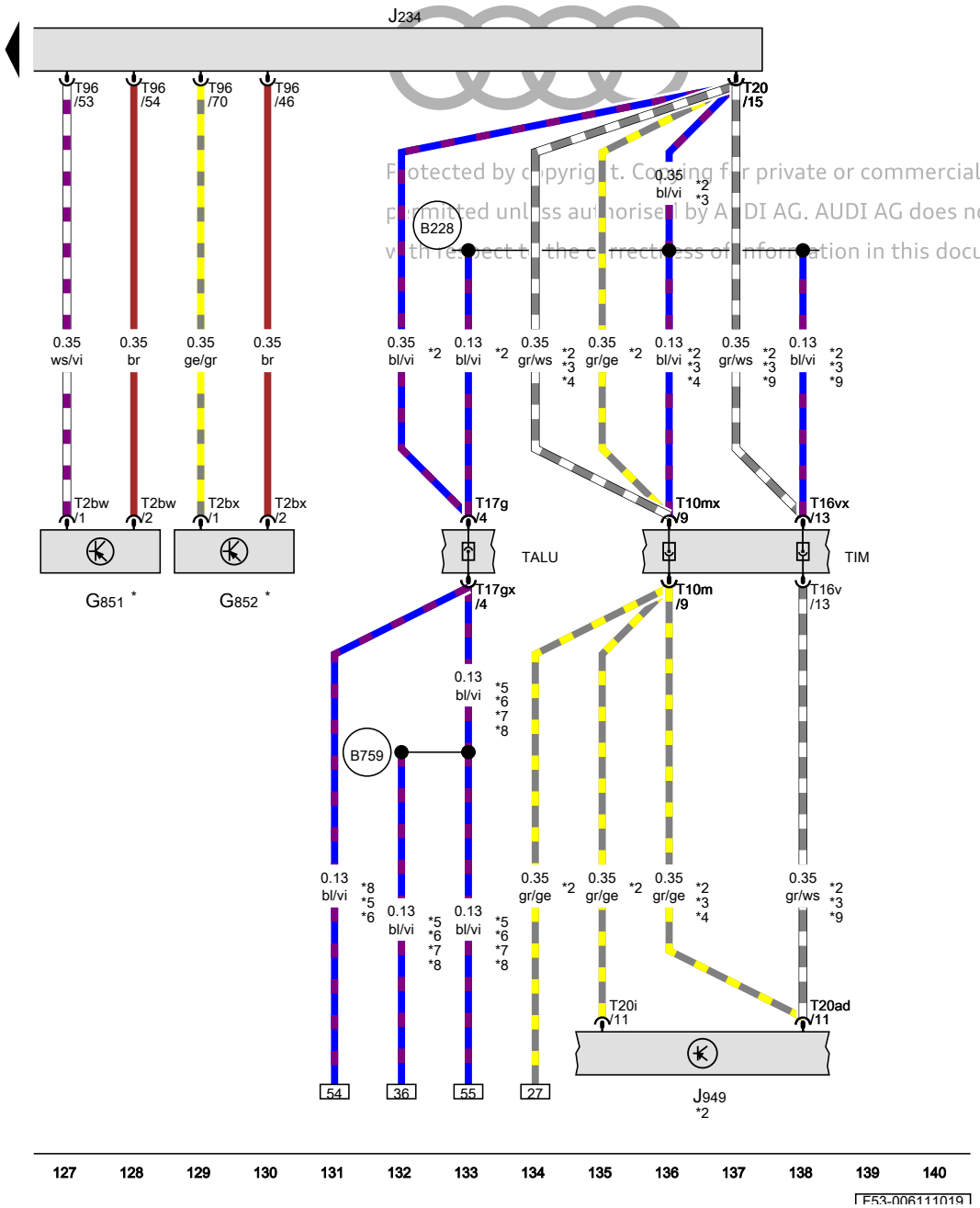

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Driver side crash sensor 2 for pedestrian protection, Front passenger side crash sensor 2 for pedestrian protection, Airbag control unit

G851	Driver side crash sensor 2 for pedestrian protection
G852	Front passenger side crash sensor 2 for pedestrian protection
J234	Airbag control unit
J949	Emergency call module control unit and communication unit
T2bw	2-pin connector, yellow
T2bx	2-pin connector, yellow
T10m	10-pin connector, black
T10mx	10-pin connector, black
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20	20-pin connector, yellow
T20ad	20-pin connector, black
T20i	20-pin connector, black
T96	96-pin connector, yellow
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
B228	Connection (crash signal), in interior wiring harness
B759	Connection (crash signal), in main wiring harness
*	For models with pedestrian protection system
*2	According to equipment
*3	see applicable current flow diagram for communication
*4	Up to November 2019
*5	Sportback
*6	see applicable current flow diagram for seat adjustment
*7	For models with electric seat adjustment on driver side
*8	For models with electric seat adjustment on passenger side
*9	From December 2019

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sw	=	black
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rt	=	red
br	=	brown
gn	=	green
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Airbag systems for RHD vehicles , (L0R)

From July 2016

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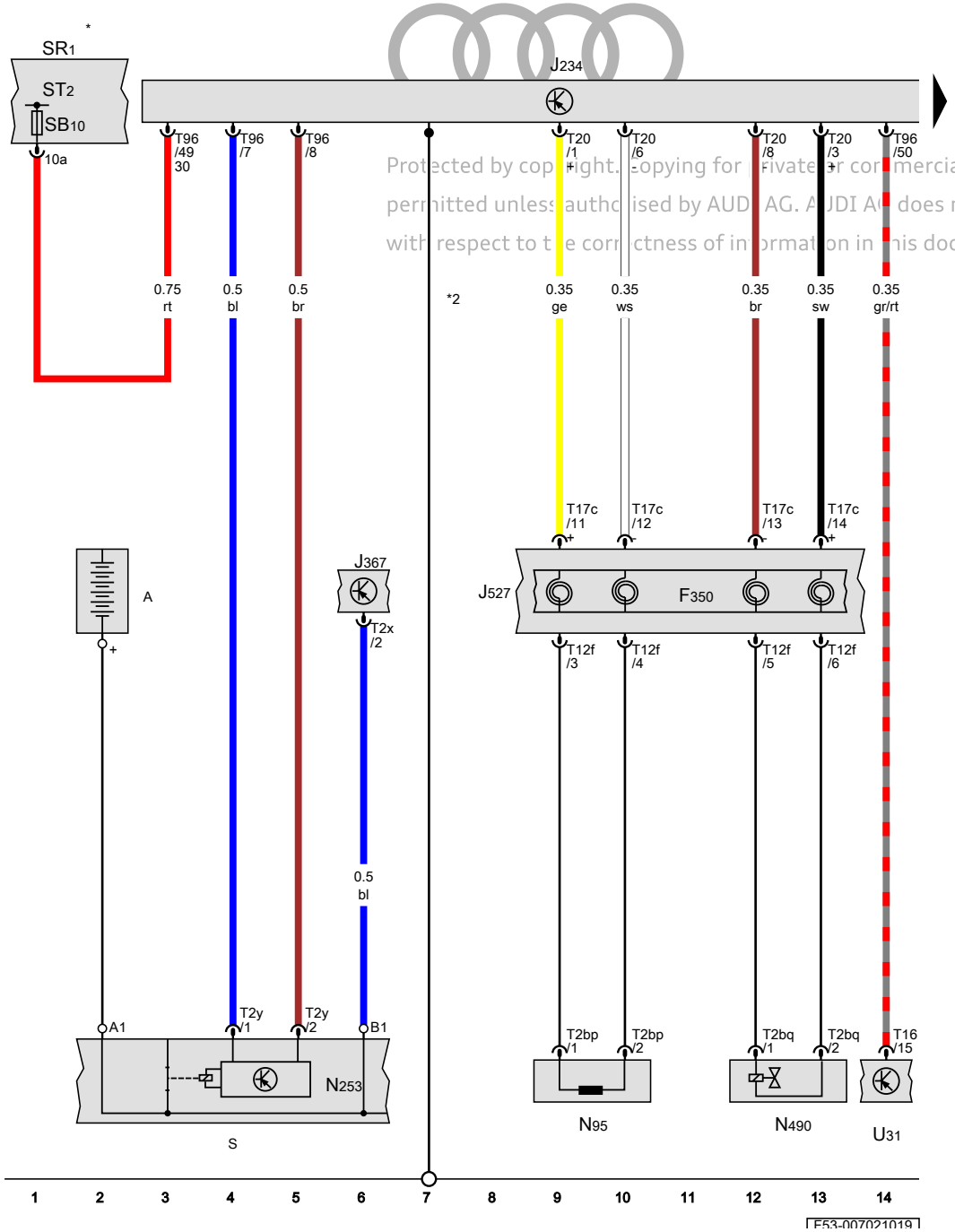

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Coil connector, Airbag control unit, Airbag igniter on driver side, Igniter for exhaust valve for driver airbag, Fuses in fuse holder

A	Battery
F350	Coil connector
J234	Airbag control unit
J367	Battery monitor control unit
J527	Steering column electronics control unit
N95	Airbag igniter on driver side
N253	Battery isolation igniter
N490	Igniter for exhaust valve for driver airbag
S	Fuses in fuse holder, on fuse holder, battery
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB10	Fuse 10 on fuse holder B
T2bp	2-pin connector, yellow
T2bq	2-pin connector, yellow
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T12f	12-pin connector, black
T16	16-pin connector, black
T17c	17-pin connector, yellow
T20	20-pin connector, yellow
T96	96-pin connector, yellow
U31	Diagnostic connection
*	see applicable current flow diagram for fuse assignment
*2	Earth supply via housing

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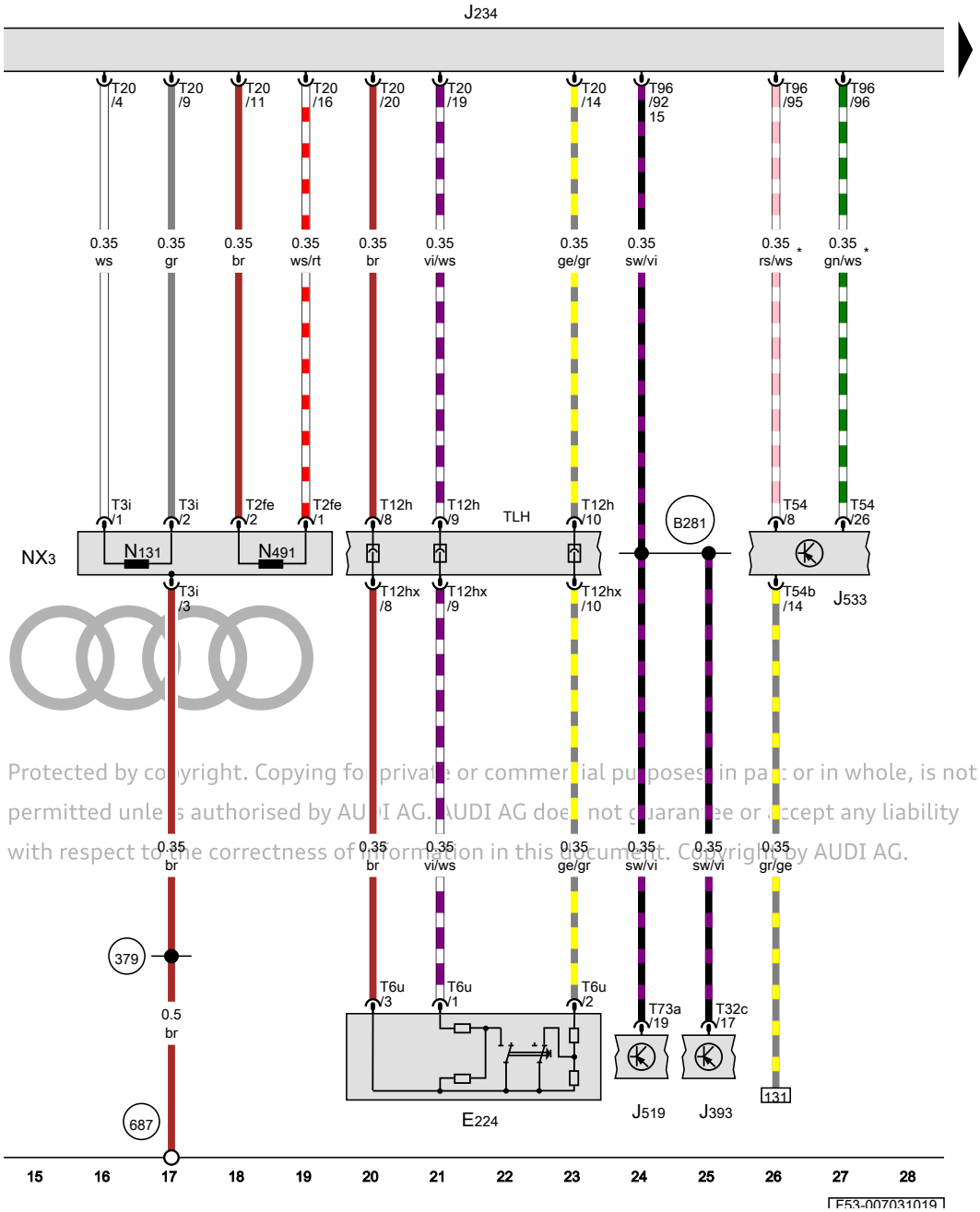

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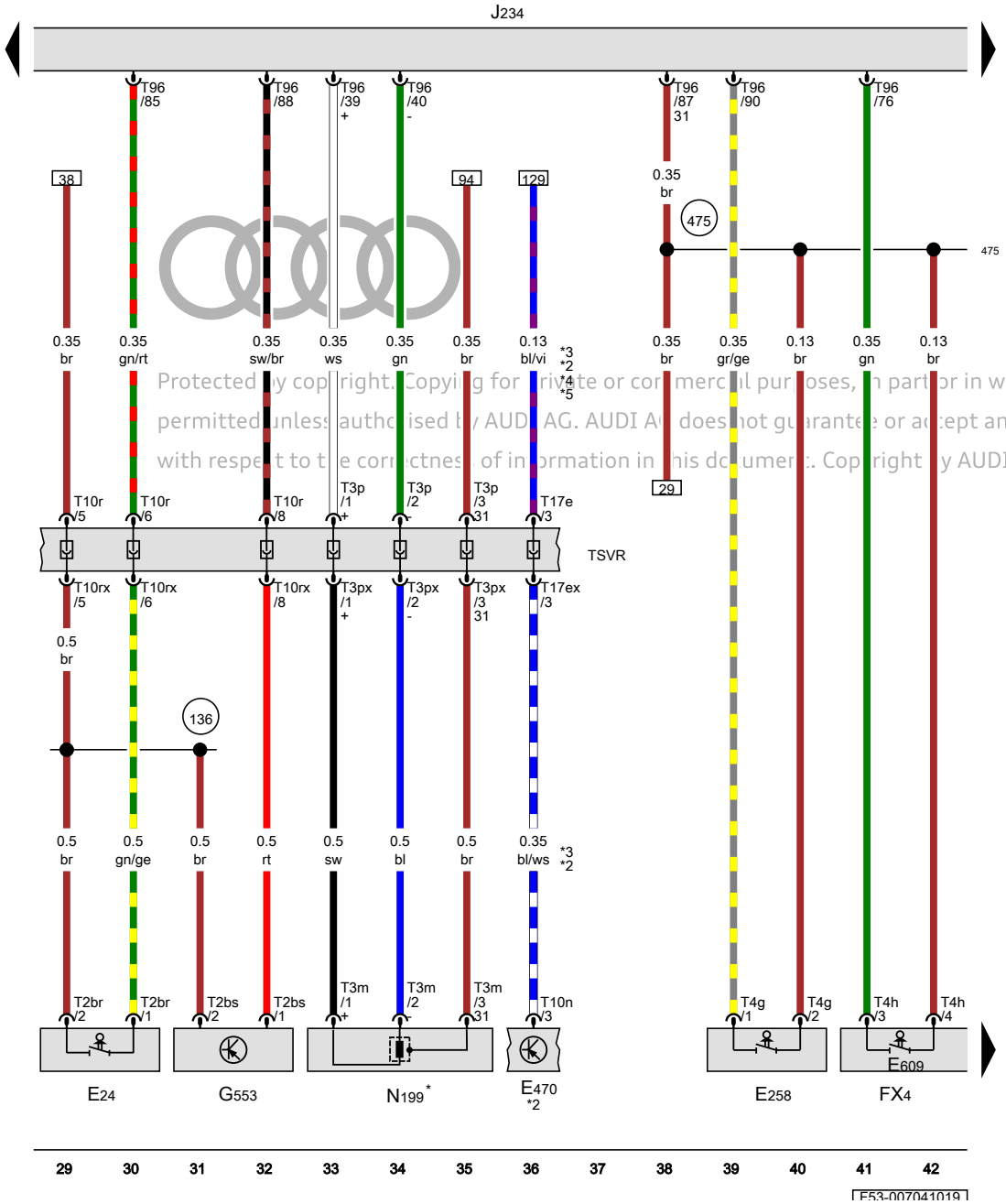
Key operated switch to deactivate airbag on front passenger side, Airbag control unit, Data bus diagnostic interface, Front passenger airbag unit

E224	Key operated switch to deactivate airbag on front passenger side
J234	Airbag control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
NX3	Front passenger airbag unit
N131	Airbag igniter 1 on front passenger side
N491	Igniter for exhaust valve for front passenger airbag
T2fe	2-pin connector, yellow
T3i	3-pin connector, yellow
T6u	6-pin connector, yellow
T12h	12-pin connector, black
T12hx	12-pin connector, black
T20	20-pin connector, yellow
T32c	32-pin connector, black
T54	54-pin connector, black
T54b	54-pin connector, blue
T73a	73-pin connector, black
T96	96-pin connector, yellow
TLH	Coupling point for glove compartment wiring harness
379	Earth connection 14, in main wiring harness
687	Earth point 1, on centre tunnel
B281	Positive connection 5 (15a) in main wiring harness
*	Data bus wire (FlexRay bus)



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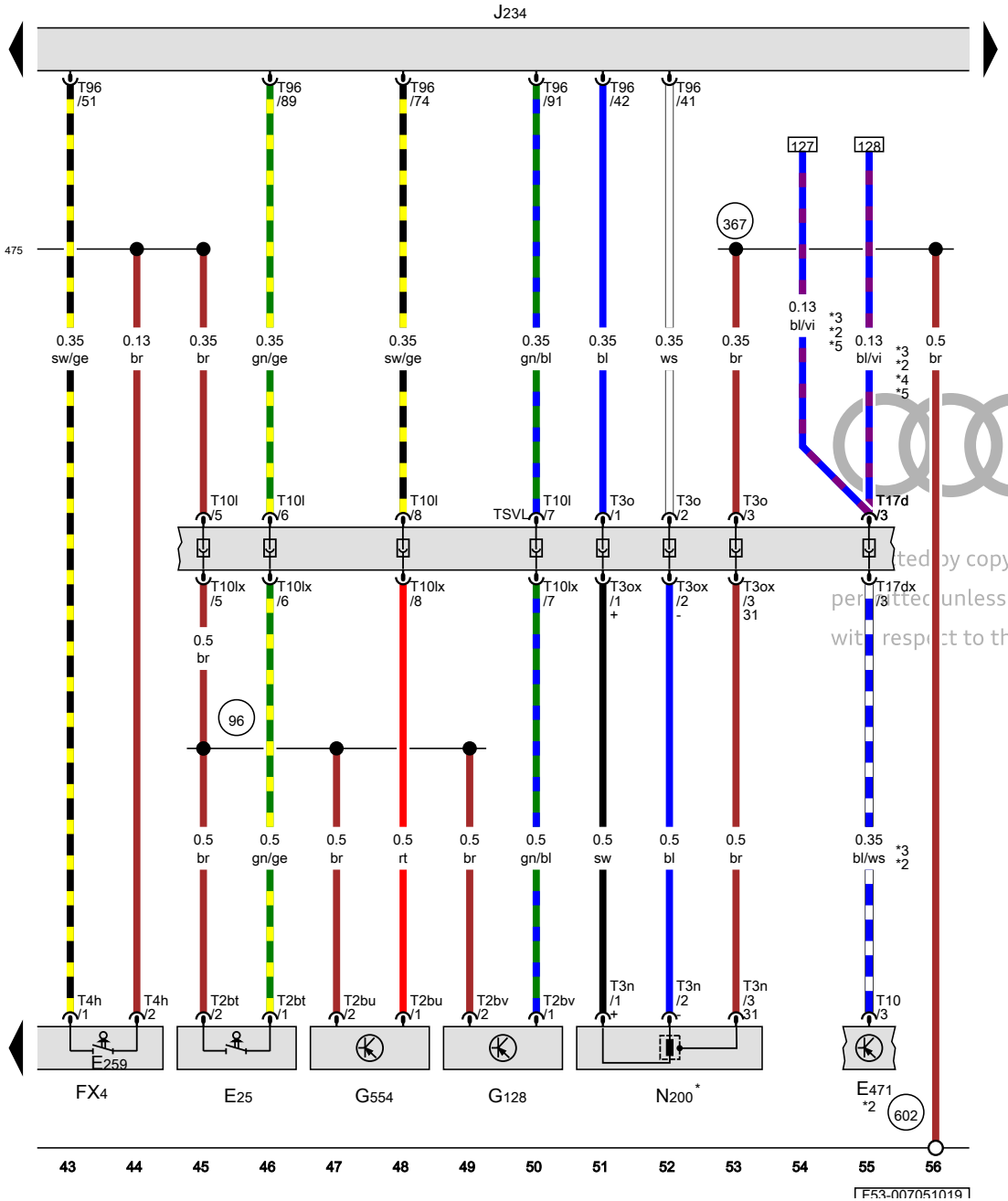
Driver side belt switch, Rear belt switch, driver side, Twin belt buckle, Driver side seat position sensor, Airbag control unit, Side airbag igniter on driver side

E24	Driver side belt switch
E258	Rear belt switch, driver side
E470	Driver seat adjustment operating unit
E609	Rear centre belt switch
FX4	Twin belt buckle
G553	Driver side seat position sensor
J234	Airbag control unit
N199	Side airbag igniter on driver side
T2br	2-pin connector, black
T2bs	2-pin connector, black
T3m	3-pin connector, yellow
T3p	3-pin connector, yellow
T3px	3-pin connector, yellow
T4g	4-pin connector, black
T4h	4-pin connector, black
T10n	10-pin connector, black
T10r	10-pin connector, black
T10rx	10-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
T96	96-pin connector, yellow
TSVR	Coupling point for front right seat
136	Earth connection 2, in seat heating wiring harness
475	Earth connection (airbag), in main wiring harness
*	Pre-wired component
*2	see applicable current flow diagram for seat adjustment
*3	Sportback
*4	For models with electric seat adjustment on driver side
*5	For models with electric seat adjustment on passenger side



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Front passenger side belt switch, Twin belt buckle, Seat occupied sensor on front passenger side, Front passenger side seat position sensor, Airbag control unit, Side airbag igniter on front passenger side

E25	Front passenger side belt switch
E259	Rear belt switch, passenger side
E471	Front passenger seat adjustment operating unit
FX4	Twin belt buckle
G128	Seat occupied sensor on front passenger side
G554	Front passenger side seat position sensor
J234	Airbag control unit
N200	Side airbag igniter on front passenger side
T2bt	2-pin connector, black
T2bu	2-pin connector, black
T2bv	2-pin connector, black
T3n	3-pin connector, yellow
T3o	3-pin connector, yellow
T3ox	3-pin connector, yellow
T4h	4-pin connector, black
T10	10-pin connector, black
T10l	10-pin connector, black
T10lx	10-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T96	96-pin connector, yellow
TSVL	Coupling point for front left seat
96	Earth connection 1, in seat heating wiring harness
367	Earth connection 2, in main wiring harness
475	Earth connection (airbag), in main wiring harness
602	Earth point, in front left footwell
*	Pre-wired component
*2	see applicable current flow diagram for seat adjustment
*3	Sportback
*4	For models with electric seat adjustment on driver side
*5	For models with electric seat adjustment on passenger side

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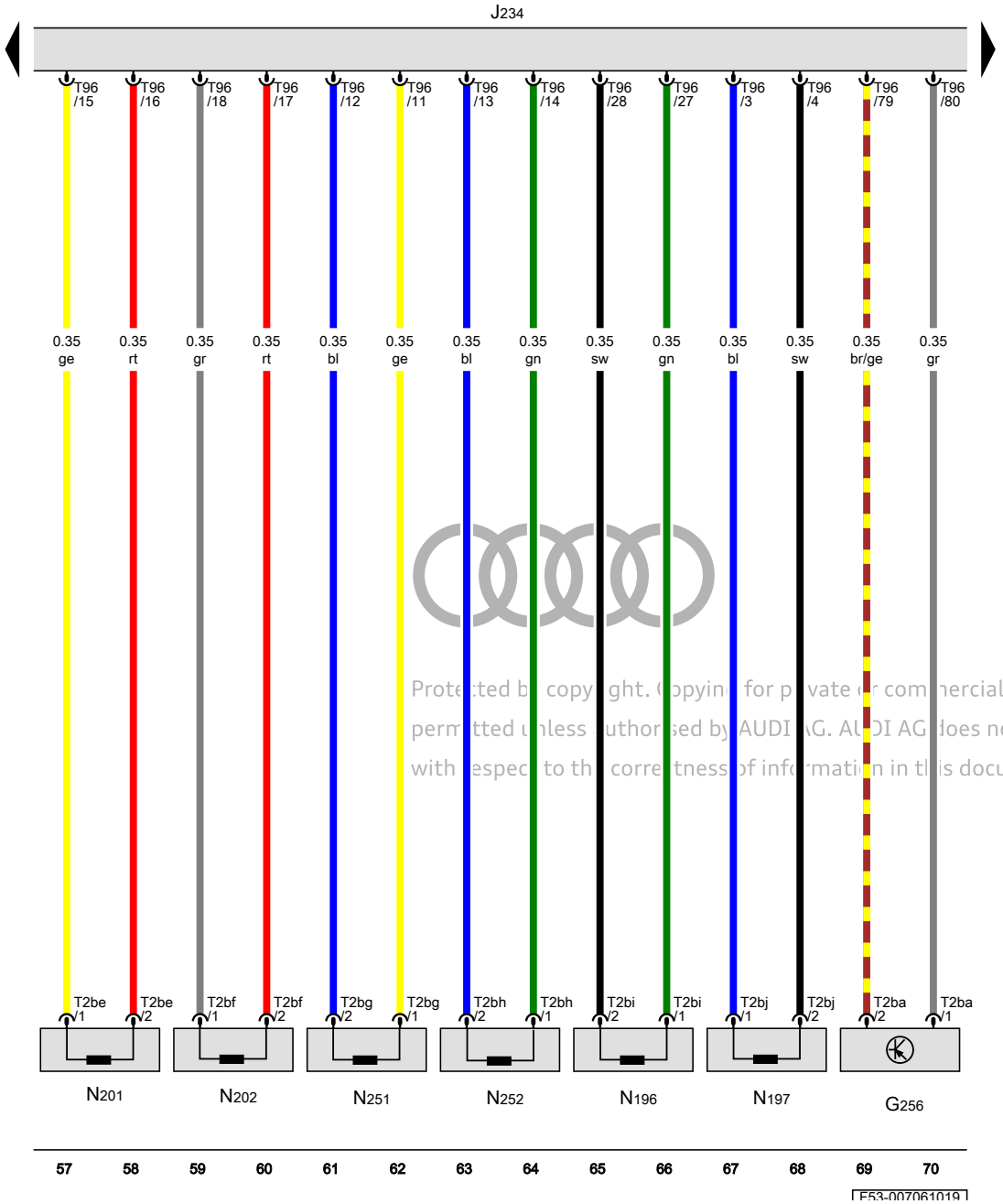

Rear side airbag crash sensor on driver side, Airbag control unit, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on passenger side, Rear side airbag igniter on driver side, Rear side airbag igniter on passenger side, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

G256	Rear side airbag crash sensor on driver side
J234	Airbag control unit
N196	Rear belt tensioner igniter on driver side
N197	Rear belt tensioner igniter on passenger side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on passenger side
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T2ba	2-pin connector, black
T2be	2-pin connector, yellow
T2bf	2-pin connector, yellow
T2bg	2-pin connector, yellow
T2bh	2-pin connector, yellow
T2bi	2-pin connector, yellow
T2bj	2-pin connector, yellow
T96	96-pin connector, yellow

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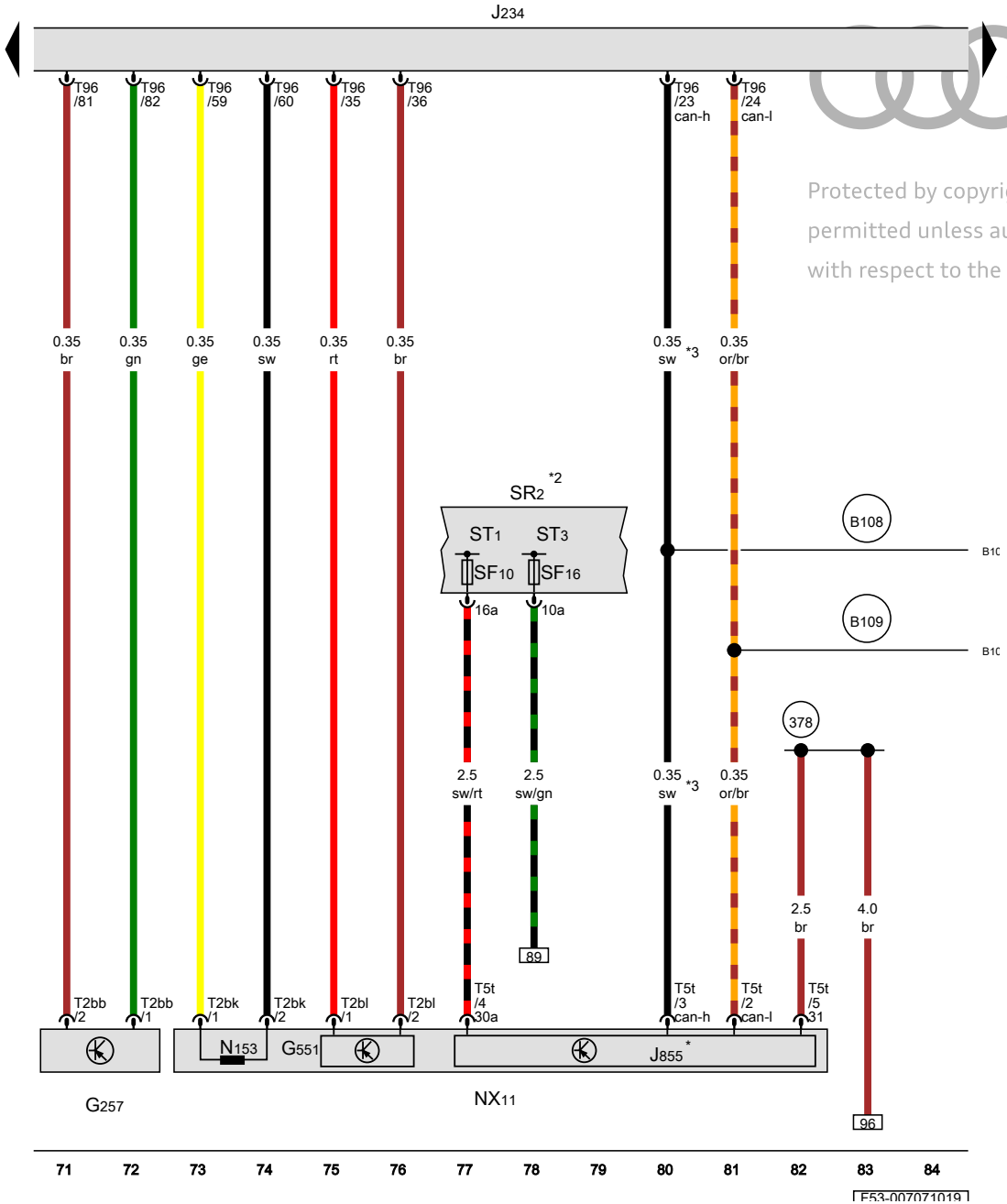

Rear side airbag crash sensor on passenger side, Driver side belt force limiter, Airbag control unit, Front right seat belt, Driver seat belt tensioner igniter 1

G257	Rear side airbag crash sensor on passenger side
G551	Driver side belt force limiter
J234	Airbag control unit
J855	Control unit for front right belt tensioner
NX11	Front right seat belt
N153	Driver seat belt tensioner igniter 1
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF10	Fuse 10 in fuse holder F
SF16	Fuse 16 in fuse holder F
T2bb	2-pin connector, black
T2bk	2-pin connector, yellow, black
T2bl	2-pin connector, yellow
T5t	5-pin connector, colourless
T96	96-pin connector, yellow
378	Earth connection 13, in main wiring harness
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	According to equipment
*2	see applicable current flow diagram for fuse assignment
*3	Different wire colour possible

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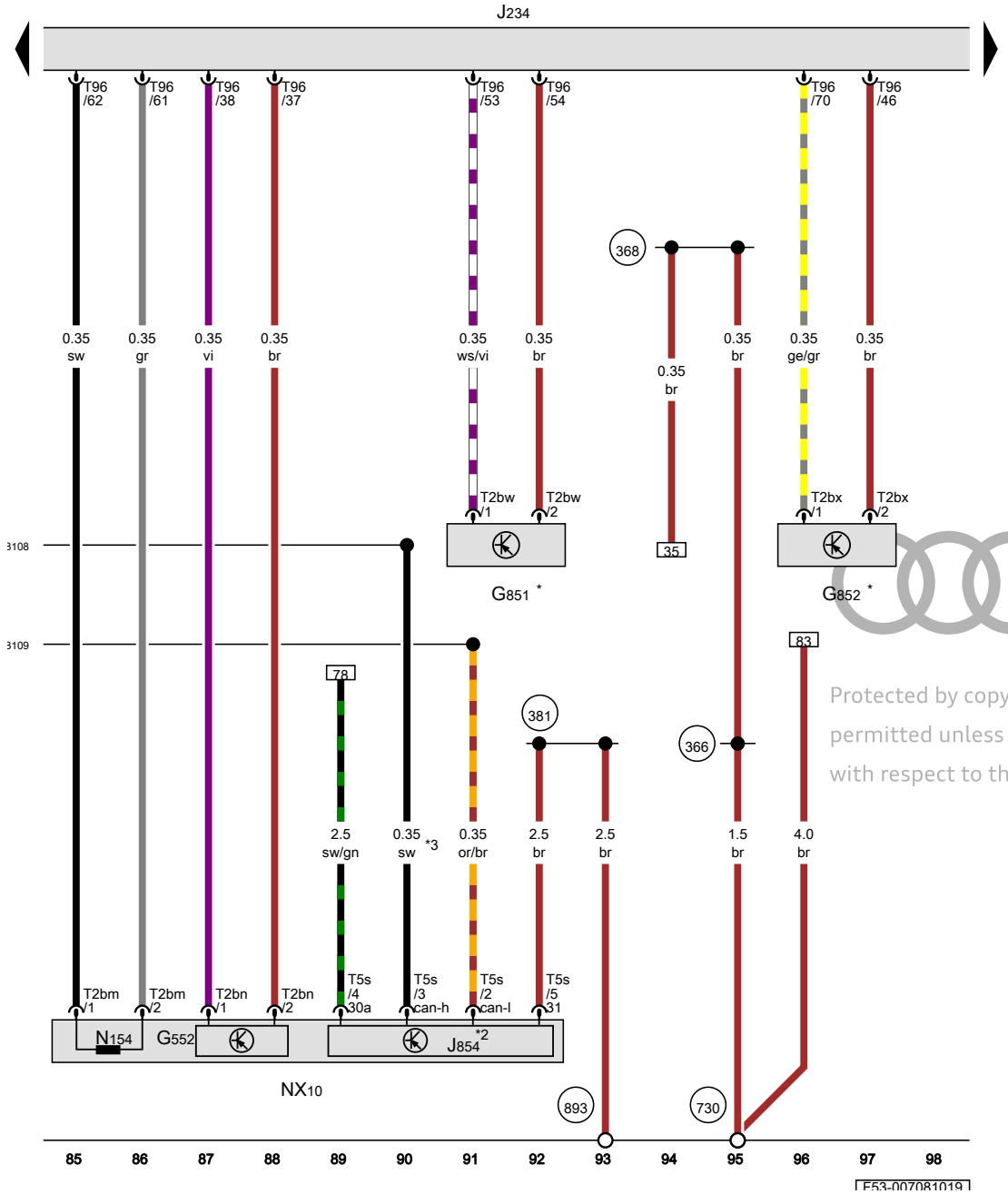

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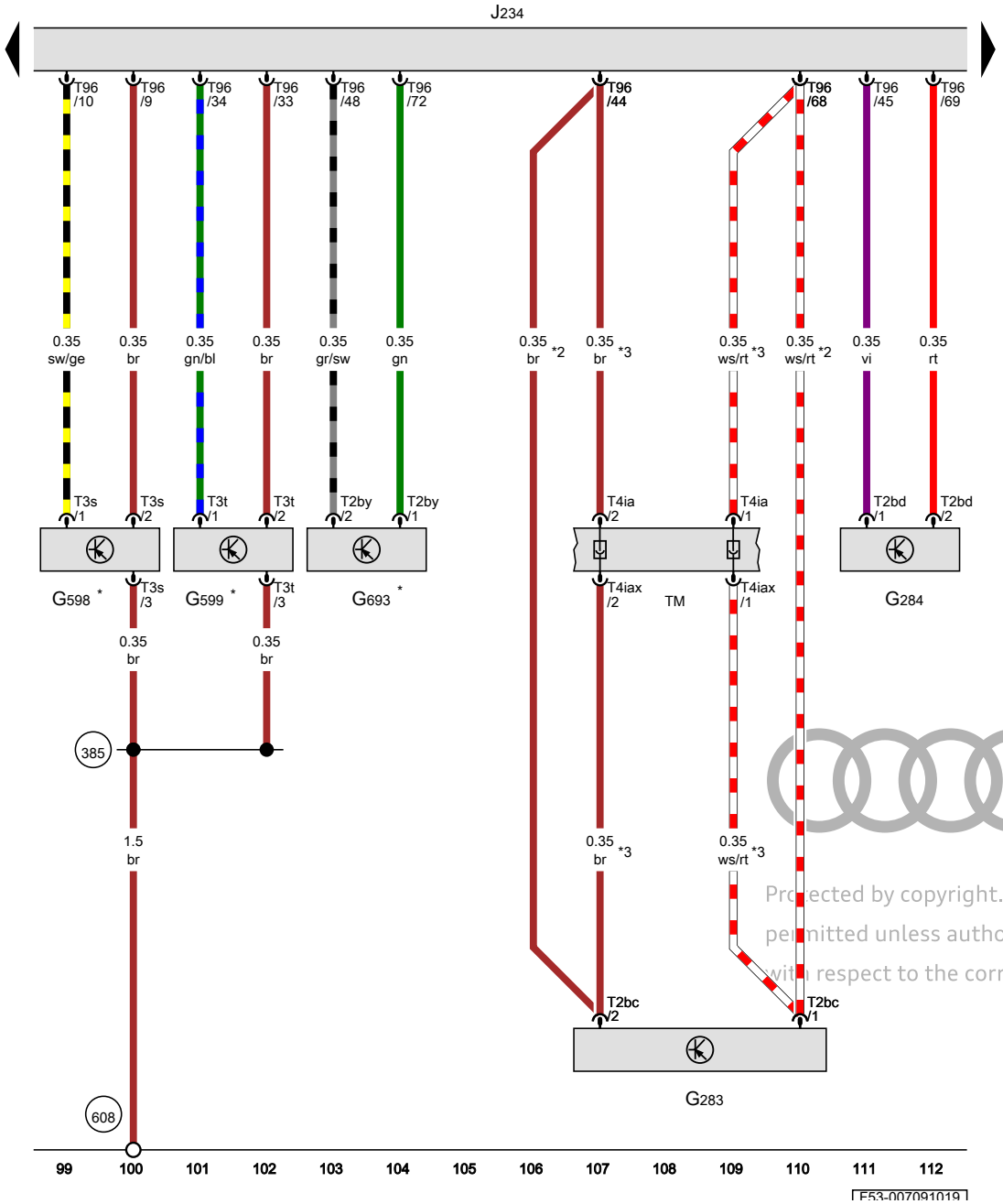
Front passenger side belt force limiter, Driver side crash sensor 2 for pedestrian protection, Front passenger side crash sensor 2 for pedestrian protection, Airbag control unit, Front left seat belt, Front passenger seat belt tensioner igniter 1

G552	Front passenger side belt force limiter
G851	Driver side crash sensor 2 for pedestrian protection
G852	Front passenger side crash sensor 2 for pedestrian protection
J234	Airbag control unit
J854	Control unit for front left belt tensioner
NX10	Front left seat belt
N154	Front passenger seat belt tensioner igniter 1
T2bm	2-pin connector, yellow, black
T2bn	2-pin connector, yellow
T2bw	2-pin connector, yellow
T2bx	2-pin connector, yellow
T5s	5-pin connector, colourless
T96	96-pin connector, yellow
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
381	Earth connection 16, in main wiring harness
730	Earth point 1, on right rear wheel housing
893	Earth point 2, on left B-pillar
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness

* For models with pedestrian protection system
*2 According to equipment
*3 Different wire colour possible



Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Trigger 1 for pedestrian protection, Trigger 2 for pedestrian protection, Centre crash sensor for pedestrian protection, Airbag control unit

G283	Front airbag crash sensor for driver side
G284	Front airbag crash sensor for front passenger side
G598	Trigger 1 for pedestrian protection
G599	Trigger 2 for pedestrian protection
G693	Centre crash sensor for pedestrian protection
J234	Airbag control unit
T2bc	2-pin connector, yellow
T2bd	2-pin connector, yellow
T2by	2-pin connector, yellow
T3s	3-pin connector, yellow
T3t	3-pin connector, yellow
T4ia	4-pin connector, black
T4iax	4-pin connector, black
T96	96-pin connector, yellow
TM	Coupling point in engine compartment
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
*	For models with pedestrian protection system
*2	According to equipment
*3	For models with natural gas engine

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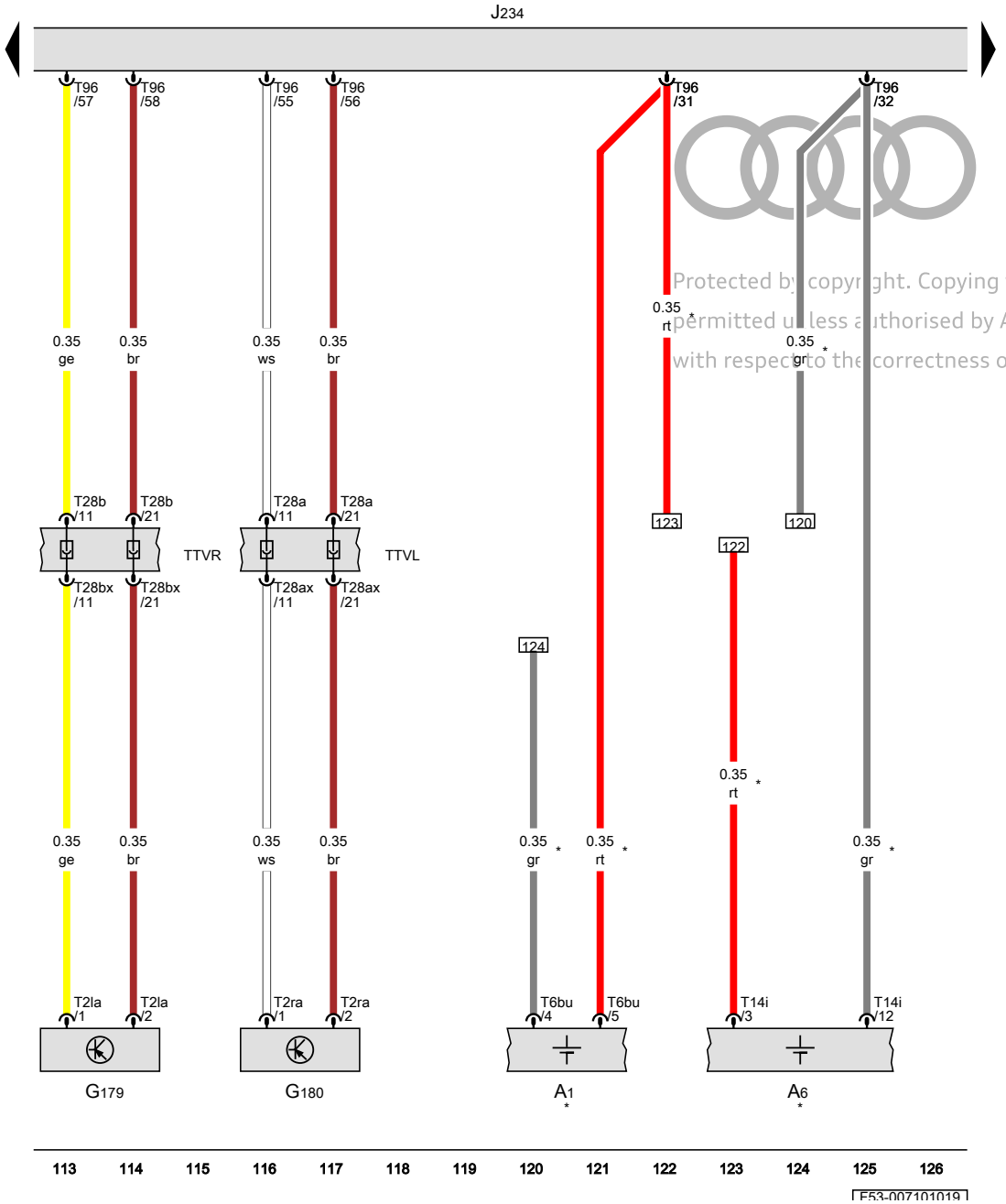

Second battery, Battery, 48 V, Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Airbag control unit

A1	Second battery
A6	Battery, 48 V
G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
J234	Airbag control unit
T2la	2-pin connector, black
T2ra	2-pin connector, black
T6bu	6-pin connector, black
T14i	14-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
T96	96-pin connector, yellow
TTVL	Coupling point for front left door
TTVR	Coupling point for front right door
*	According to equipment

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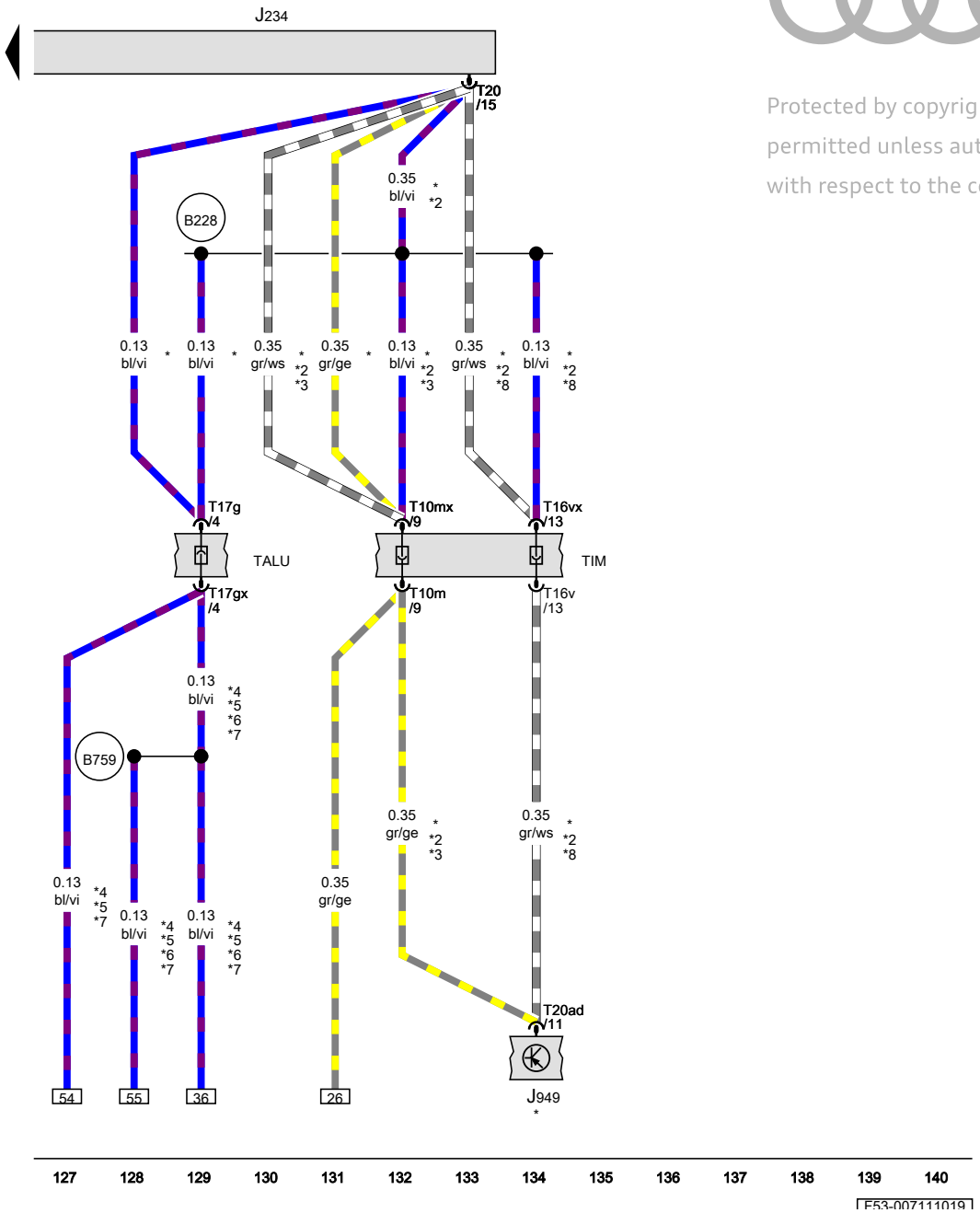

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Airbag control unit

J234	Airbag control unit
J949	Emergency call module control unit and communication unit
T10m	10-pin connector, black
T10mx	10-pin connector, black
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20	20-pin connector, yellow
T20ad	20-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
B228	Connection (crash signal), in interior wiring harness
B759	Connection (crash signal), in main wiring harness
*	According to equipment
*2	see applicable current flow diagram for communication
*3	Up to November 2019
*4	Sportback
*5	see applicable current flow diagram for seat adjustment
*6	For models with electric seat adjustment on driver side
*7	For models with electric seat adjustment on passenger side
*8	From December 2019

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Anti-lock brake system (ABS)

From July 2016

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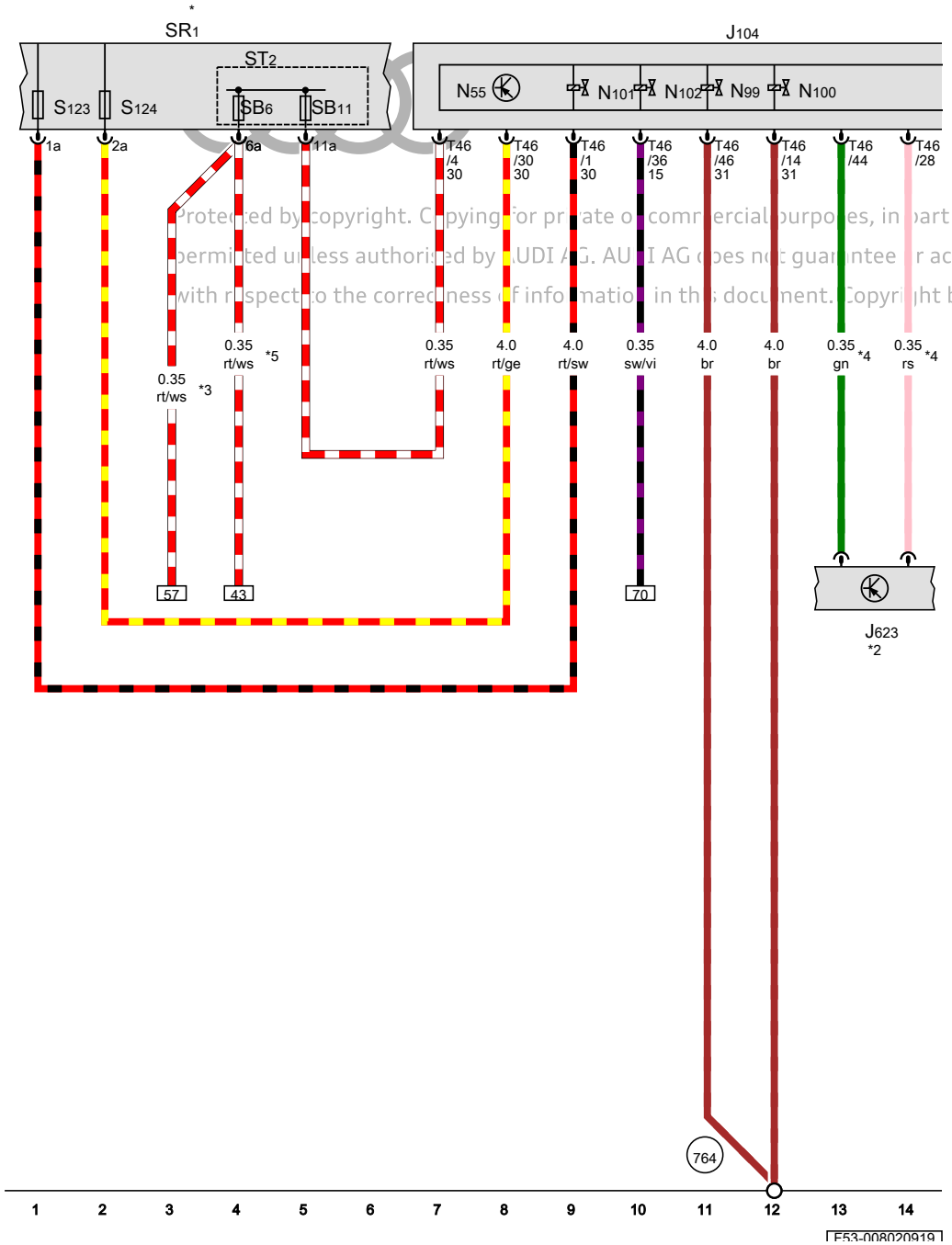

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ABS control unit, Engine/motor control unit

J104	ABS control unit
J623	Engine/motor control unit
N55	ABS hydraulic unit
N99	Front right ABS inlet valve
N100	Front right ABS outlet valve
N101	Front left ABS inlet valve
N102	Front left ABS outlet valve
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB6	Fuse 6 on fuse holder B
SB11	Fuse 11 on fuse holder B
S123	ABS control unit fuse 1
S124	ABS control unit fuse 2
T46	46-pin connector, black
764	Earth point, in front left wheel housing
*	see applicable current flow diagram for fuse assignment
*2	see applicable current flow diagram for engine
*3	For models with automatic gearbox
*4	Data bus wire (FlexRay bus)
*5	For models with manual gearbox

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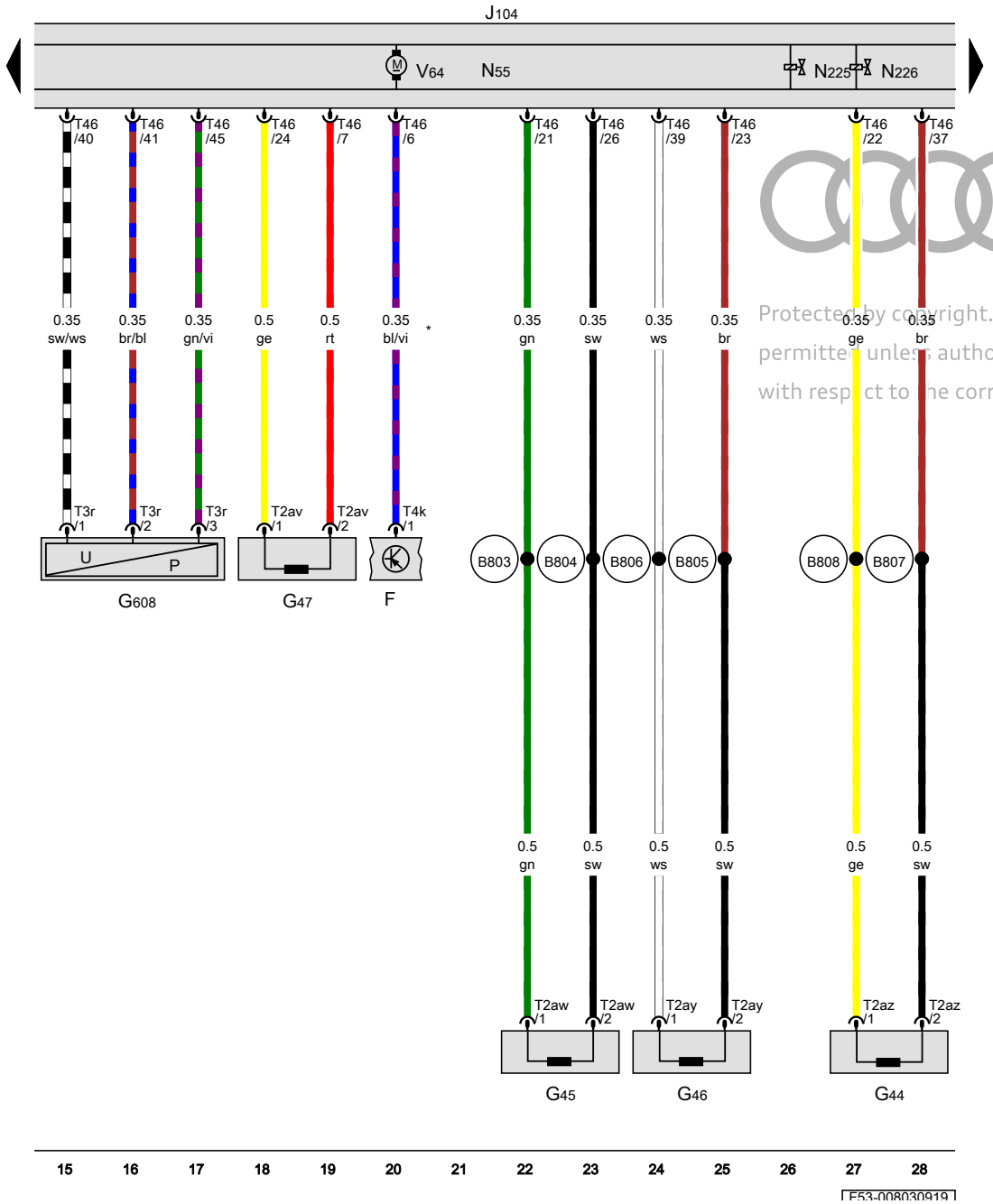

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Rear right speed sensor, Front right speed sensor, Rear left speed sensor, Front left speed sensor, Vacuum sender, ABS control unit, ABS hydraulic pump

F	Brake light switch
G44	Rear right speed sensor
G45	Front right speed sensor
G46	Rear left speed sensor
G47	Front left speed sensor
G608	Vacuum sender
J104	ABS control unit
N55	ABS hydraulic unit
N225	Vehicle stabilization program switch valve 1
N226	Vehicle stabilization program switch valve 2
T2av	2-pin connector, black
T2aw	2-pin connector, black
T2ay	2-pin connector, black
T2az	2-pin connector, black
T3r	3-pin connector, black
T4k	4-pin connector, black
T46	46-pin connector, black
V64	ABS hydraulic pump
B803	Connection 3 (speed sensor), in main wiring harness
B804	Connection 4 (speed sensor), in main wiring harness
B805	Connection 5 (speed sensor), in main wiring harness
B806	Connection 6 (speed sensor), in main wiring harness
B807	Connection 7 (speed sensor), in main wiring harness
B808	Connection 8 (speed sensor), in main wiring harness
*	For models with 48 V hybrid system

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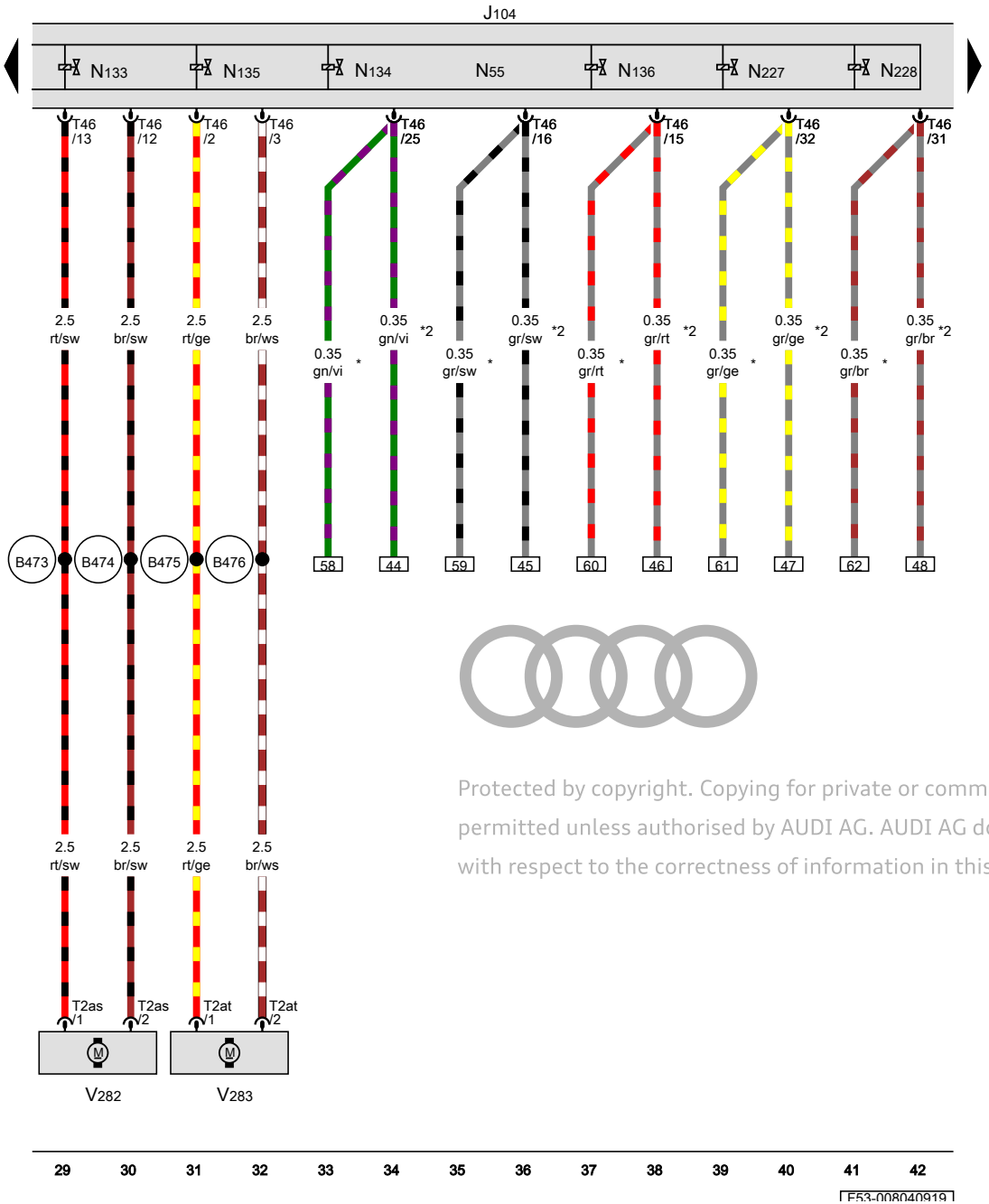

ABS control unit, Rear left ABS outlet valve, Vehicle stabilization program high-pressure valve 1, Left parking brake motor, Right parking brake motor

J104	ABS control unit
N55	ABS hydraulic unit
N133	Rear right ABS inlet valve
N134	Rear left ABS inlet valve
N135	Rear right ABS outlet valve
N136	Rear left ABS outlet valve
N227	Vehicle stabilization program high-pressure valve 1
N228	Vehicle stabilization program high-pressure valve 2
T2as	2-pin connector, black
T2at	2-pin connector, black
T46	46-pin connector, black
V282	Left parking brake motor
V283	Right parking brake motor
B473	Connection 9, in main wiring harness
B474	Connection 10, in main wiring harness
B475	Connection 11, in main wiring harness
B476	Connection 12, in main wiring harness
*	For models with automatic gearbox
*2	For models with manual gearbox

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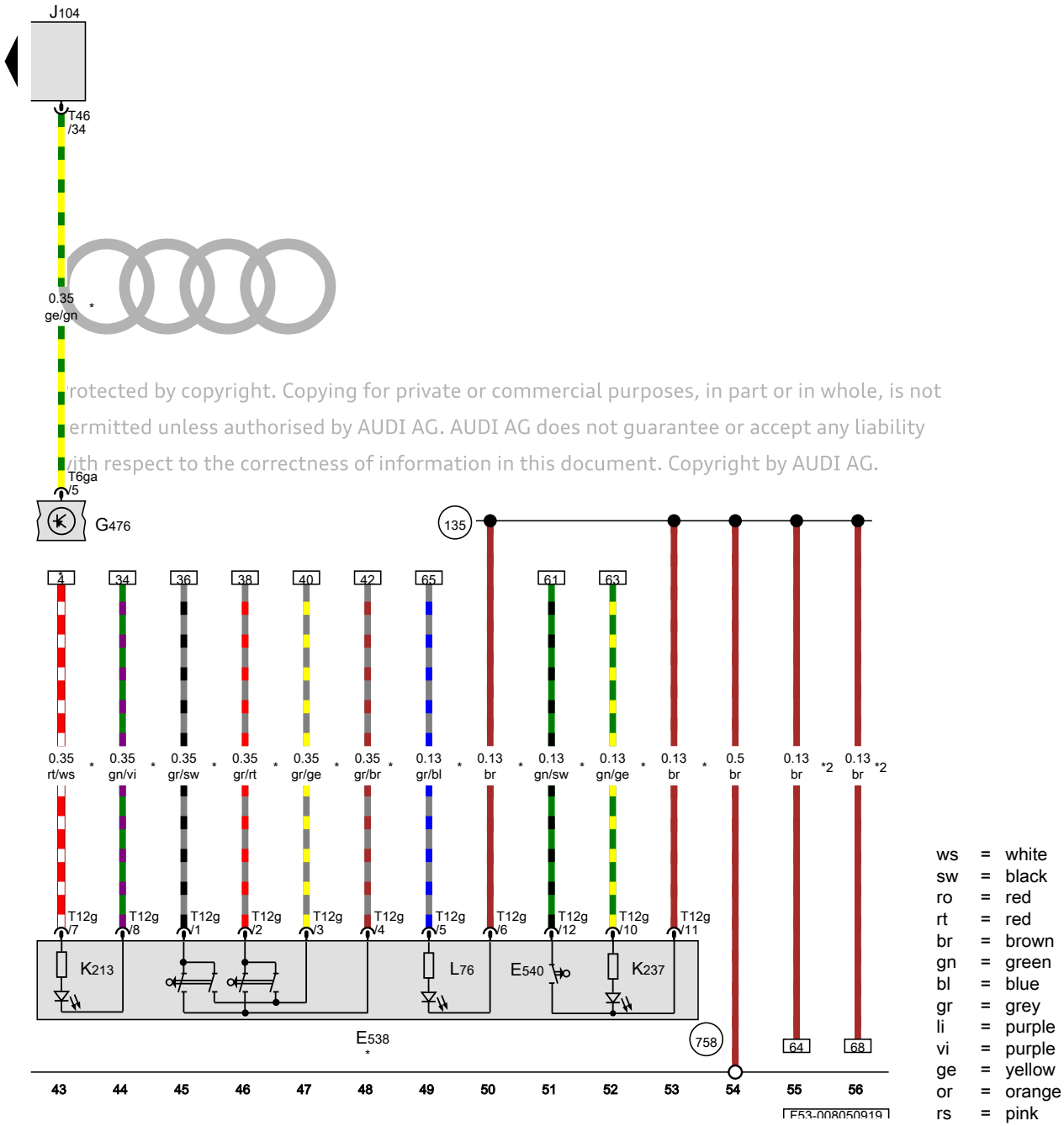
Electromechanical parking brake button, Auto-hold button, Clutch position sender, ABS control unit, Electromechanical parking brake warning lamp

E538	Electromechanical parking brake button
E540	Auto-hold button
G476	Clutch position sender
J104	ABS control unit
K213	Electromechanical parking brake warning lamp
K237	Auto-hold warning lamp
L76	Button illumination bulb
T6ga	6-pin connector, black
T12g	12-pin connector, black
T46	46-pin connector, black
135	Earth connection 2, in dash panel wiring harness
758	Earth point 3, on centre tunnel
*	For models with manual gearbox
*2	For models with automatic gearbox



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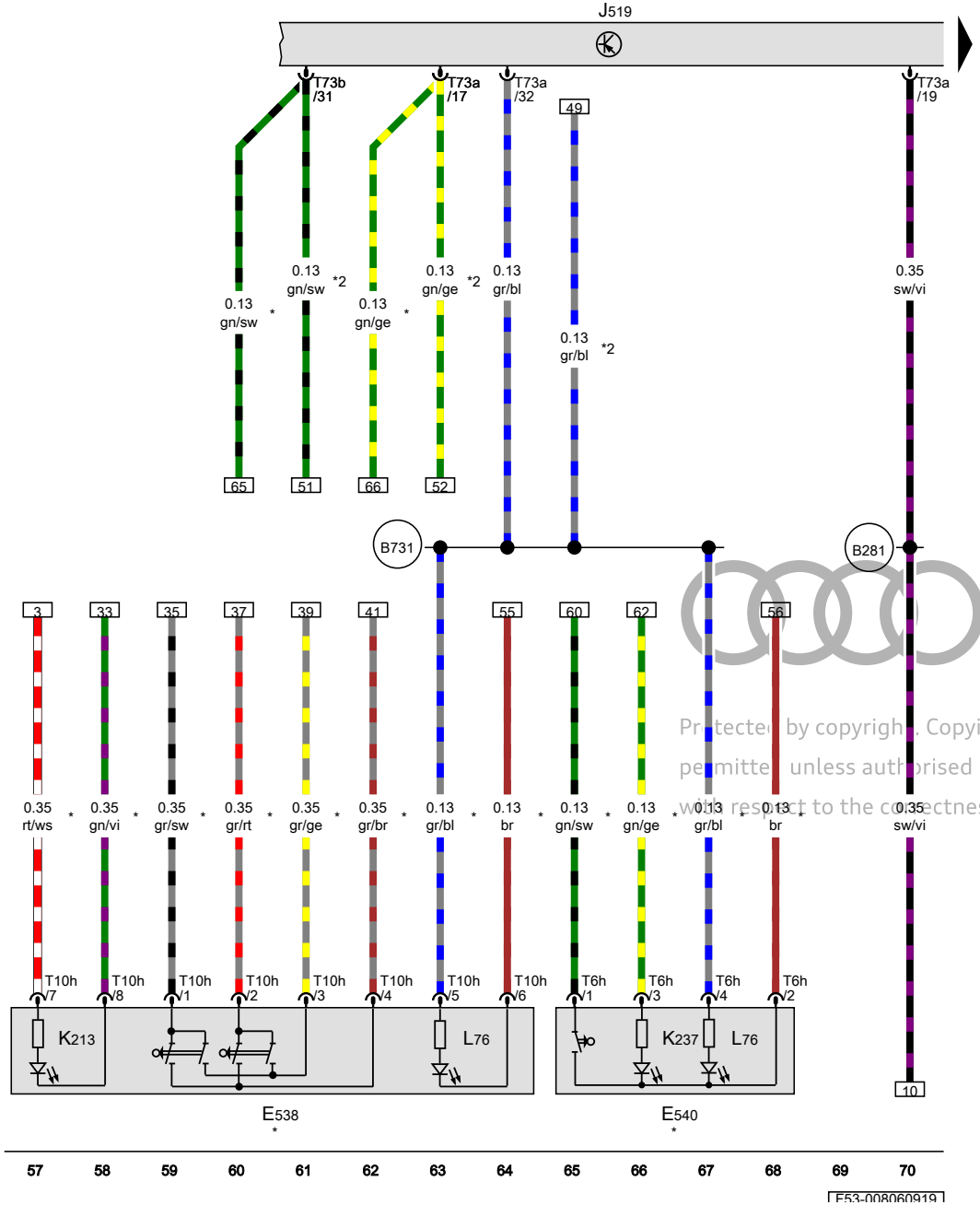
Electromechanical parking brake button, Auto-hold button, Onboard supply control unit



E538	Electromechanical parking brake button
E540	Auto-hold button
J519	Onboard supply control unit
K213	Electromechanical parking brake warning lamp
K237	Auto-hold warning lamp
L76	Button illumination bulb
T6h	6-pin connector, red
T10h	10-pin connector, red
T73a	73-pin connector, black
T73b	73-pin connector, black
B281	Positive connection 5 (15a) in main wiring harness
B731	Connection 1 (58s), in main wiring harness
*	For models with automatic gearbox
*2	For models with manual gearbox

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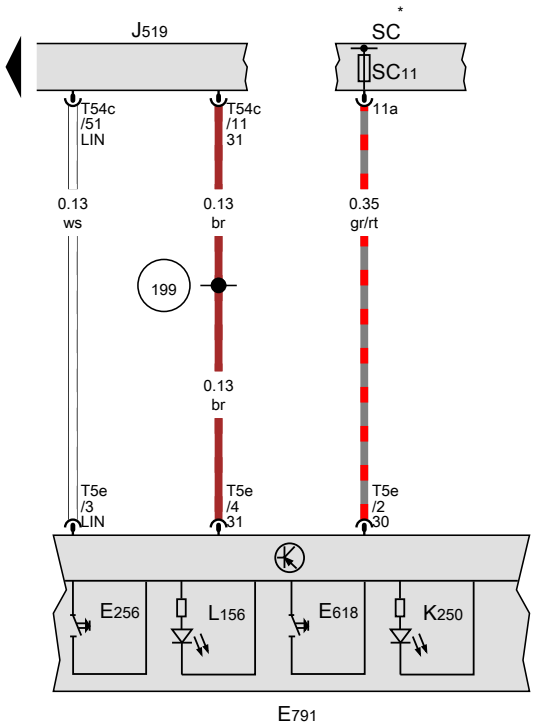

Button for TCS and electronic stabilisation program, Hill descent control button, Operating unit 1 for driver and convenience functions, Onboard supply control unit

E256	Button for TCS and electronic stabilisation program
E618	Hill descent control button
E791	Operating unit 1 for driver and convenience functions
J519	Onboard supply control unit
K250	Warning lamp for hill descent control
L156	Switch illumination bulb
SC	Fuse holder C
SC11	Fuse 11 on fuse holder C
T5e	5-pin connector, brown
T54c	54-pin connector, black
199	Earth connection 3, in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment

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sw	=	black
ro	=	red
rt	=	red
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Electromechanical steering , (1N8),(QZ7),(L0L)

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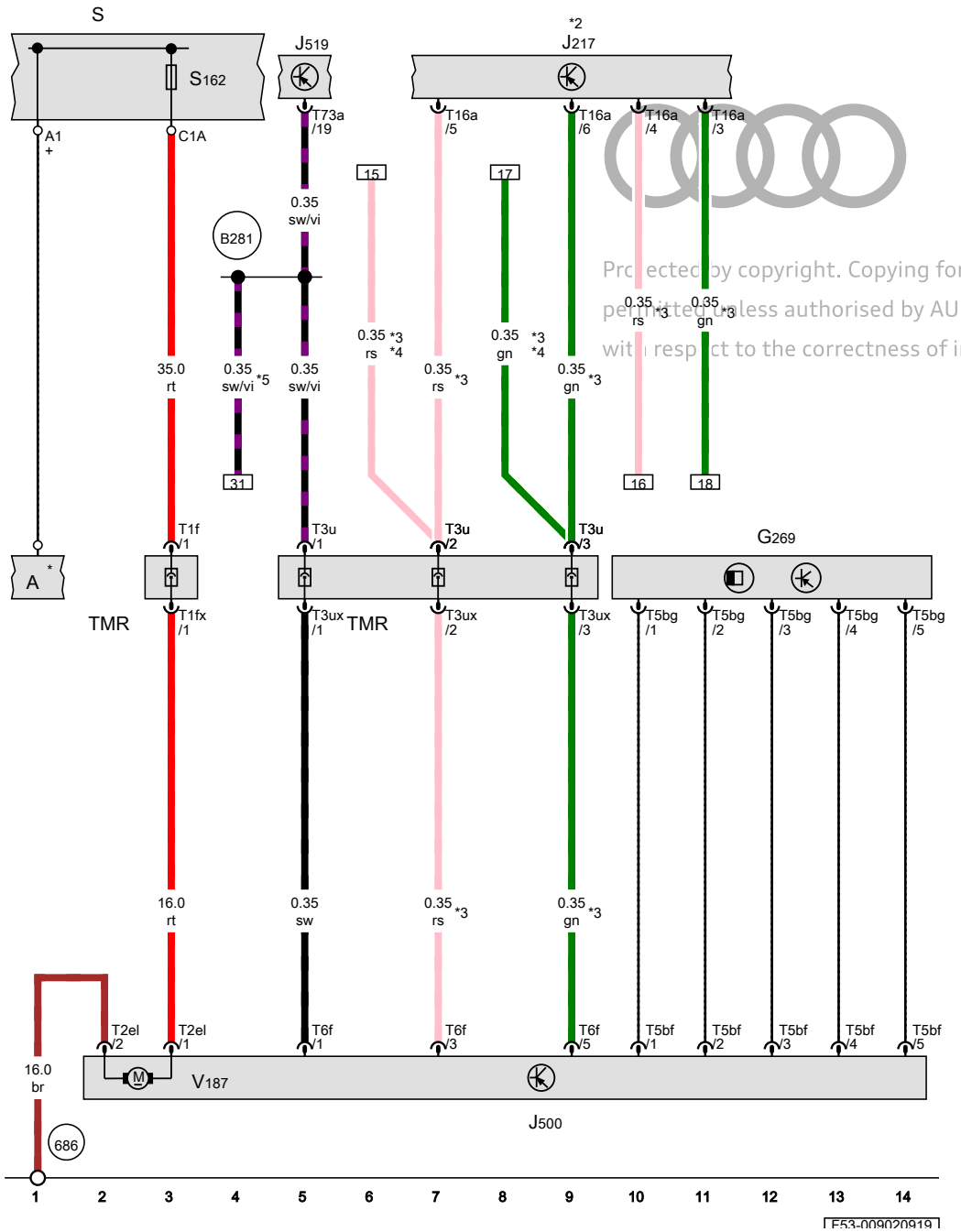

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bl = blue
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li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Steering moment sender, Power steering control unit, Electromechanical power steering motor

A	Battery
G269	Steering moment sender
J217	Automatic gearbox control unit
J500	Power steering control unit
J519	Onboard supply control unit
S	Fuses in fuse holder
S162	Fuse 1 (30), in battery fuse holder, on fuse holder, battery
T1f	1-pin connector, black
T1fx	1-pin connector, black
T2el	2-pin connector, black
T3u	3-pin connector, black
T3ux	3-pin connector, black
T5bf	5-pin connector, black
T5bg	5-pin connector, black
T6f	6-pin connector, black
T16a	16-pin connector, black
T73a	73-pin connector, black
TMR	Coupling point in engine compartment, right
V187	Electromechanical power steering motor
686	Earth point 2, on front of right longitudinal member
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	see applicable current flow diagram for automatic gearbox
*3	Data bus wire (FlexRay bus)
*4	For models with manual gearbox
*5	For models with speed-dependent power steering

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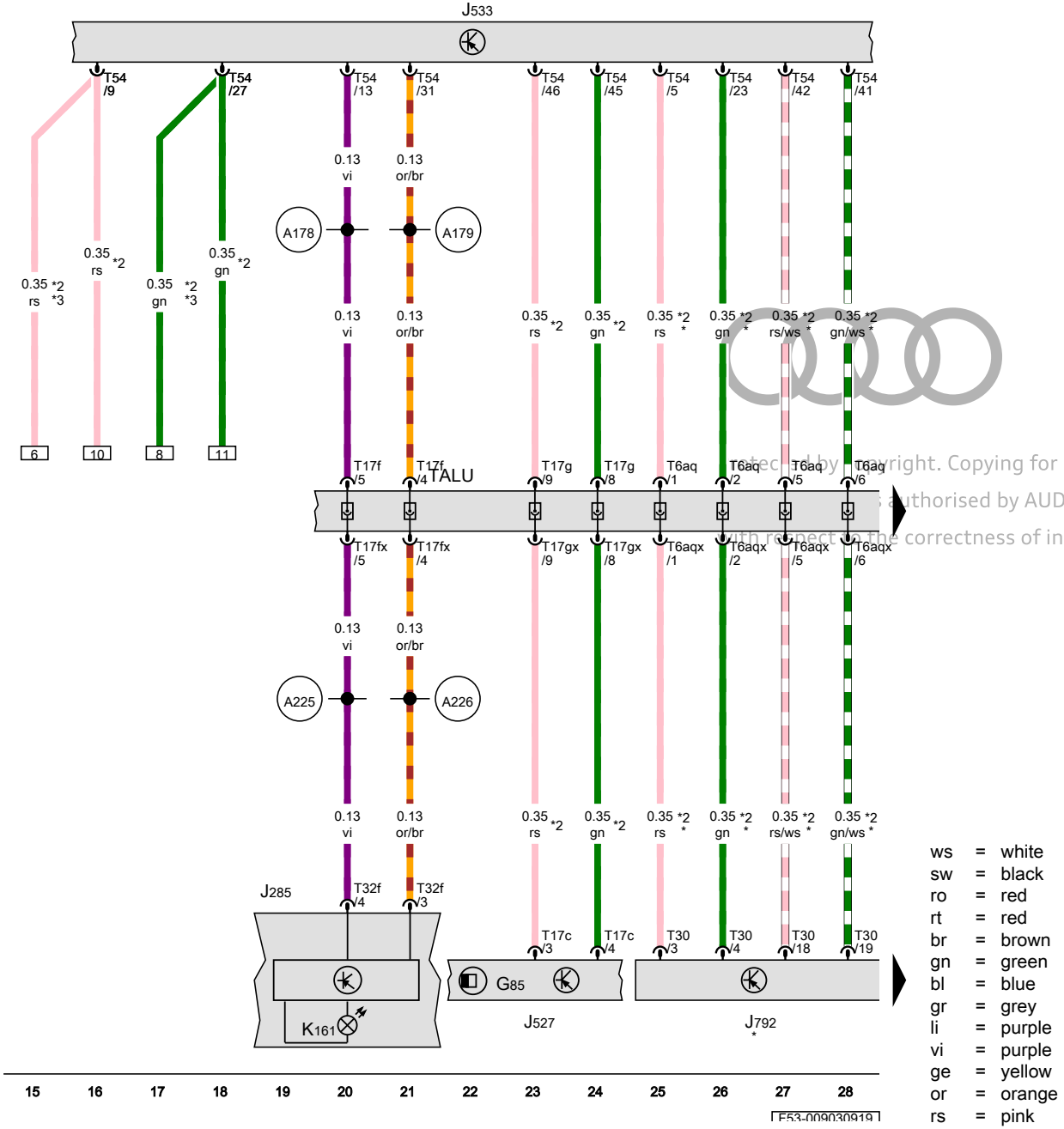

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Data bus diagnostic interface, Active steering control unit, Electromechanical power steering warning lamp

G85	Steering angle sender
J285	Control unit in dash panel insert
J527	Steering column electronics control unit
J533	Data bus diagnostic interface
J792	Active steering control unit
K161	Electromechanical power steering warning lamp
T6aq	6-pin connector, green
T6aqx	6-pin connector, green
T17c	17-pin connector, yellow
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T30	30-pin connector, black
T32f	32-pin connector, grey
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	For models with speed-dependent power steering
*2	Data bus wire (FlexRay bus)
*3	For models with manual gearbox

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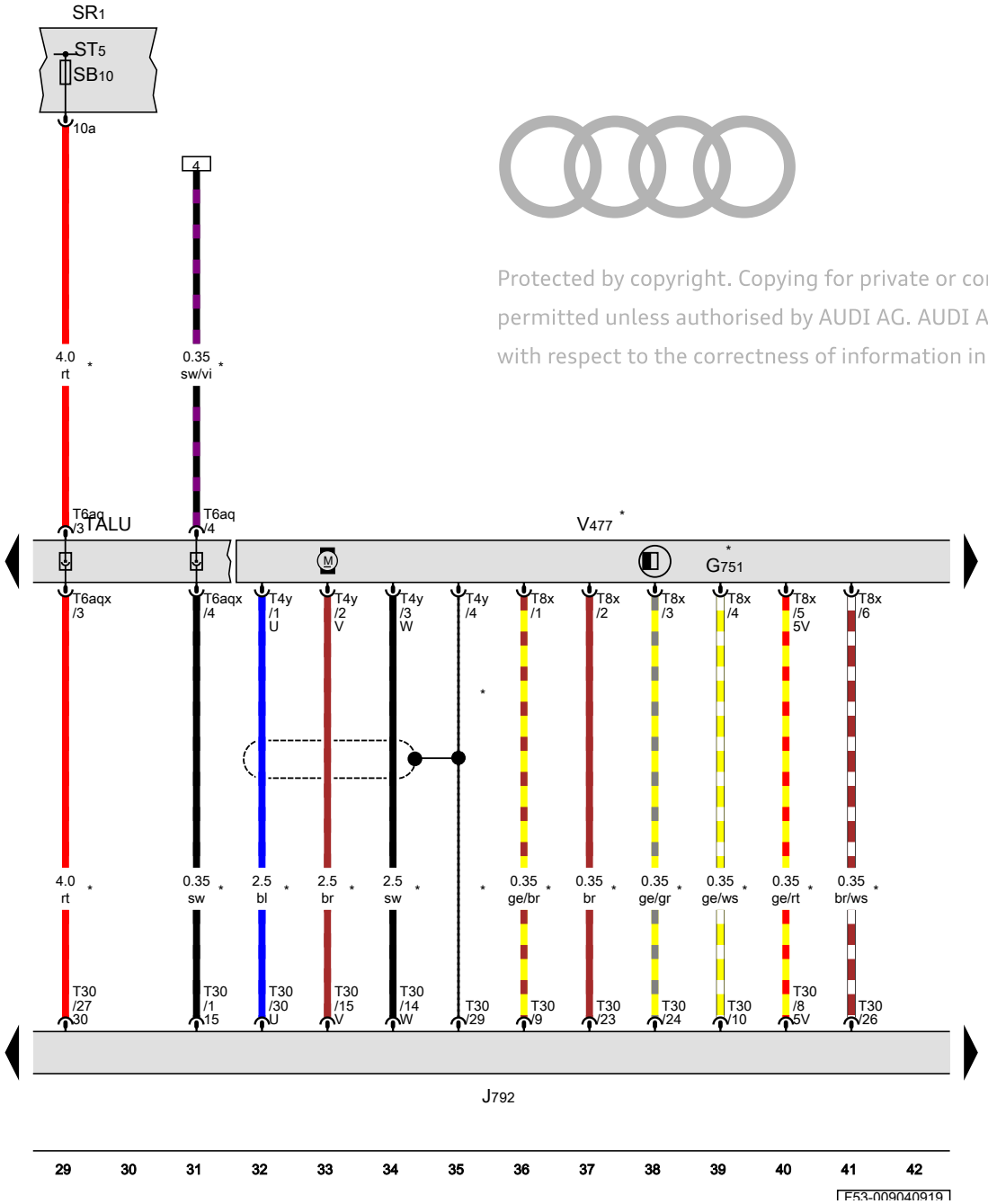

Rotor position sender for active steering motor, Active steering control unit, Active steering motor

G751	Rotor position sender for active steering motor
J792	Active steering control unit
SR1	Relay and fuse carrier 1
ST5	Fuse carrier 5, red
SB10	Fuse 10 on fuse holder B
T4y	4-pin connector, black
T6aq	6-pin connector, green
T6aqx	6-pin connector, green
T8x	8-pin connector, black
T30	30-pin connector, black
TALU	Coupling point on left A-pillar, bottom
V477	Active steering motor
*	For models with speed-dependent power steering

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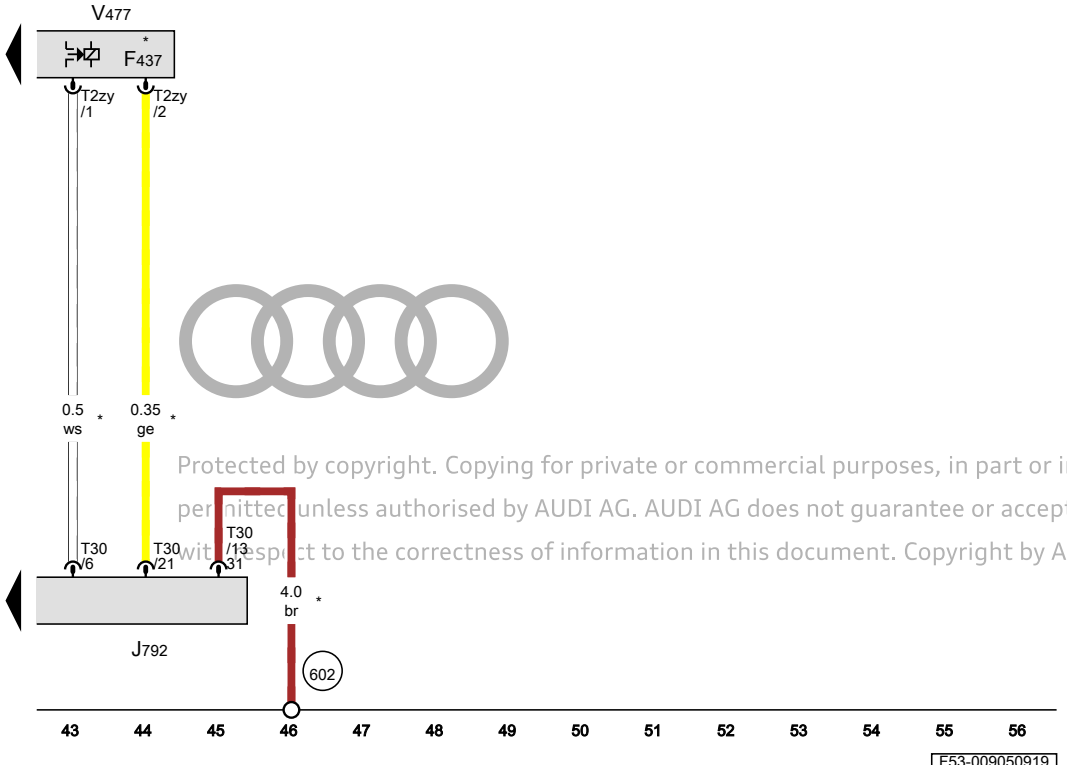
or	=	orange
rs	=	pink

Active steering safety lock actuator, Active steering control unit, Active steering motor

F437	Active steering safety lock actuator
J792	Active steering control unit
T2zy	2-pin connector, black
T30	30-pin connector, black
V477	Active steering motor
602	Earth point, in front left footwell
*	For models with speed-dependent power steering



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Automatic adaptive suspension, adjustable dampers , (1BC),(1BL),(2MC),(2MS),(2MT),(2MV)

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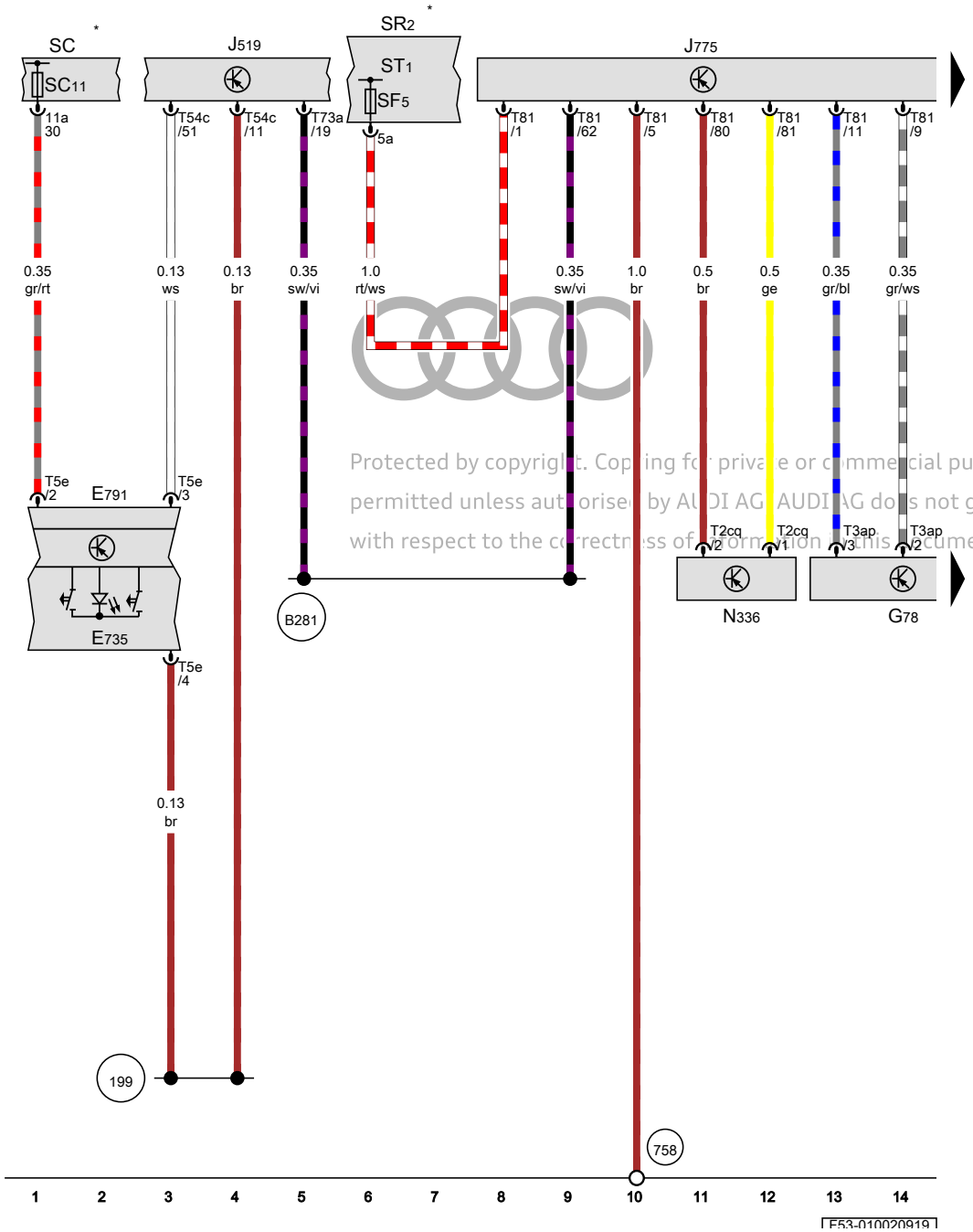

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Driving mode selection button, Operating unit 1 for driver and convenience functions, Front left vehicle level sender, Onboard supply control unit, Running gear control unit, Front left shock absorber damping adjustment valve

E735	Driving mode selection button
E791	Operating unit 1 for driver and convenience functions
G78	Front left vehicle level sender
J519	Onboard supply control unit
J775	Running gear control unit
N336	Front left shock absorber damping adjustment valve
SC	Fuse holder C
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
SF5	Fuse 5 in fuse holder F
SC11	Fuse 11 on fuse holder C
T2cq	2-pin connector, black
T3ap	3-pin connector, black
T5e	5-pin connector, brown
T54c	54-pin connector, black
T73a	73-pin connector, black
T81	81-pin connector, black
199	Earth connection 3, in dash panel wiring harness
758	Earth point 3, on centre tunnel
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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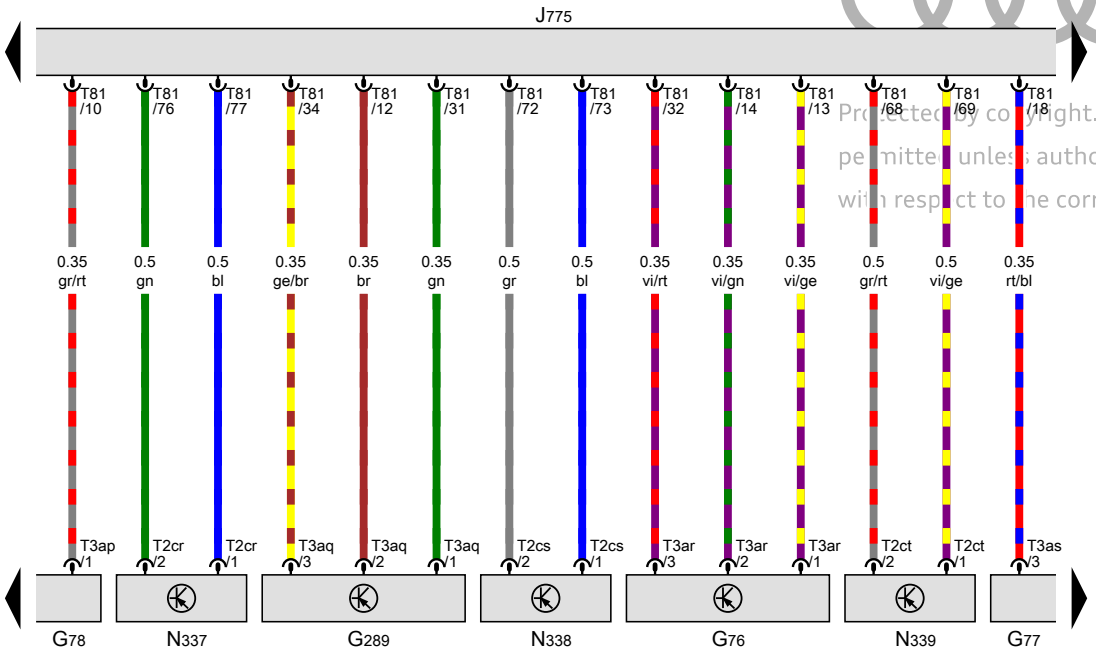

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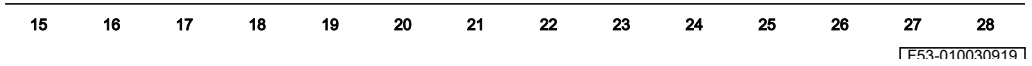
Rear left vehicle level sender, Rear right vehicle level sender, Front left vehicle level sender, Front right vehicle level sender, Running gear control unit, Front right shock absorber damping adjustment valve, Rear left shock absorber damping adjustment valve, Rear right shock absorber damping adjustment valve

G76	Rear left vehicle level sender
G77	Rear right vehicle level sender
G78	Front left vehicle level sender
G289	Front right vehicle level sender
J775	Running gear control unit
N337	Front right shock absorber damping adjustment valve
N338	Rear left shock absorber damping adjustment valve
N339	Rear right shock absorber damping adjustment valve
T2cr	2-pin connector, black
T2cs	2-pin connector, black
T2ct	2-pin connector, black
T3ap	3-pin connector, black
T3aq	3-pin connector, black
T3ar	3-pin connector, black
T3as	3-pin connector, black
T81	81-pin connector, black



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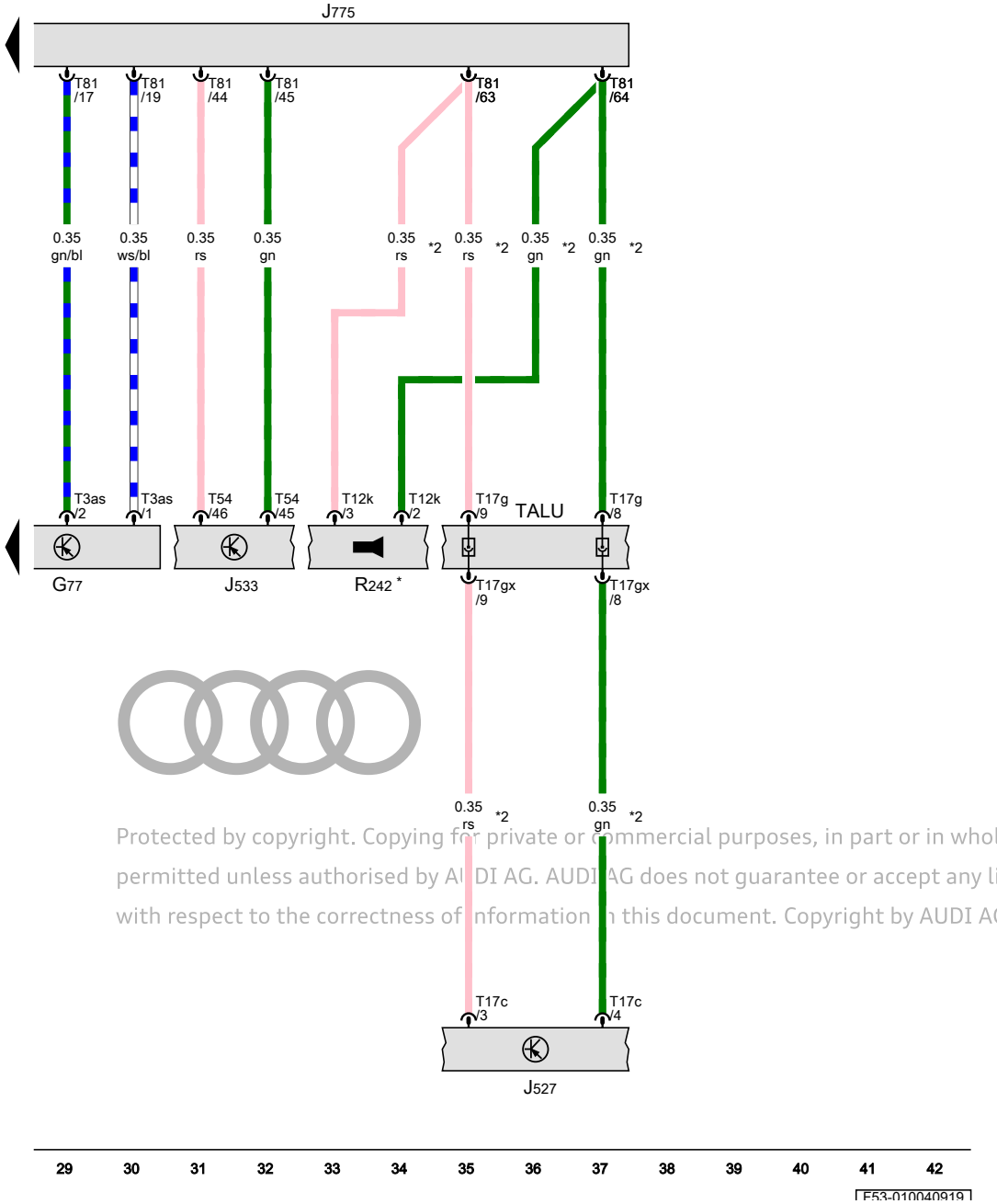
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear right vehicle level sender, Steering column electronics control unit, Data bus diagnostic interface, Running gear control unit, Front camera for driver assist systems



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G77	Rear right vehicle level sender
J527	Steering column electronics control unit
J533	Data bus diagnostic interface
J775	Running gear control unit
R242	Front camera for driver assist systems
T3as	3-pin connector, black
T12k	12-pin connector, black
T17c	17-pin connector, yellow
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T54	54-pin connector, black
T81	81-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with adaptive cruise control (ACC)
*2	Data bus wire (FlexRay bus)

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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Data bus diagnostic interface and diagnostic connector

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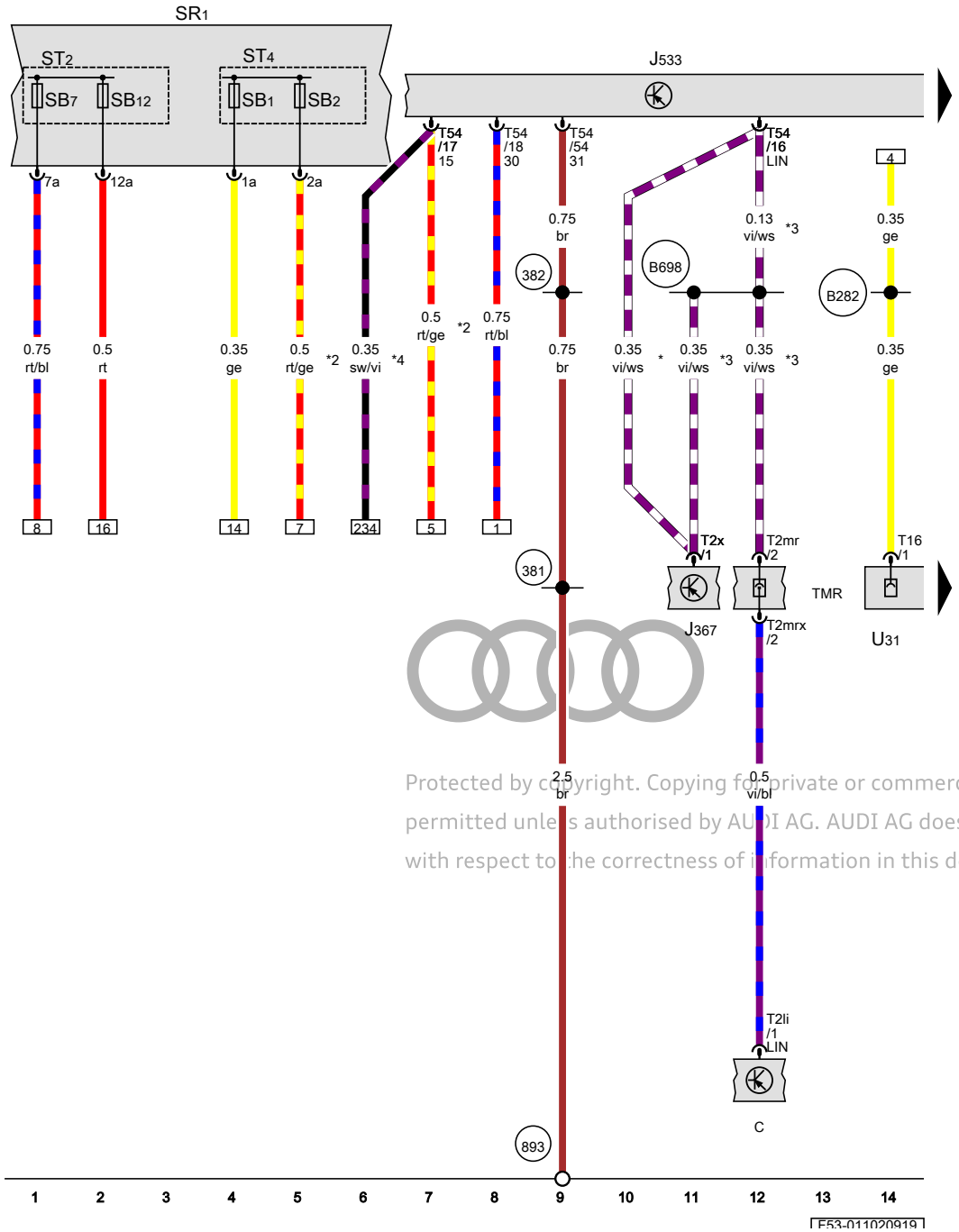

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Data bus diagnostic interface, Diagnostic connection, Connection 3 (LIN bus) in main wiring harness

C	Alternator
J367	Battery monitor control unit
J533	Data bus diagnostic interface
SR1	Relay and fuse carrier 1
SB1	Fuse 1 on fuse holder B
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
ST4	Fuse carrier 4, black
SB7	Fuse 7 on fuse holder B
SB12	Fuse 12 on fuse holder B
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T16	16-pin connector, black
T54	54-pin connector, black
TMR	Coupling point in engine compartment, right
U31	Diagnostic connection
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
B282	Positive connection 6 (15a) in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	For models with 12 V hybrid system
*2	Up to September 2019
*3	For models with no 12 V hybrid system
*4	From October 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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vi	=	purple
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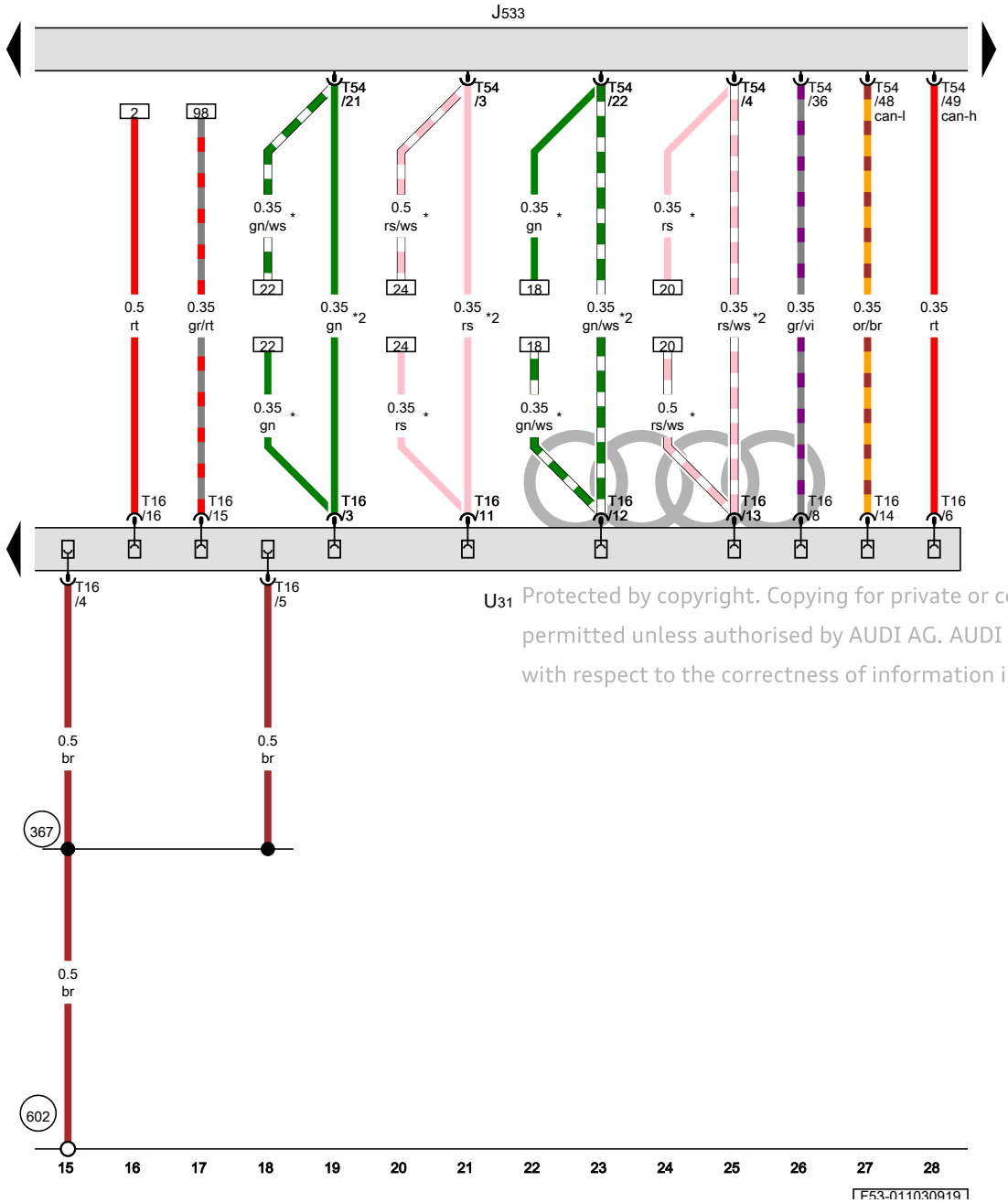

Data bus diagnostic interface, Diagnostic connection

J533	Data bus diagnostic interface
T16	16-pin connector, black
T54	54-pin connector, black
U31	Diagnostic connection
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
*	From May 2017
*2	Up to May 2017

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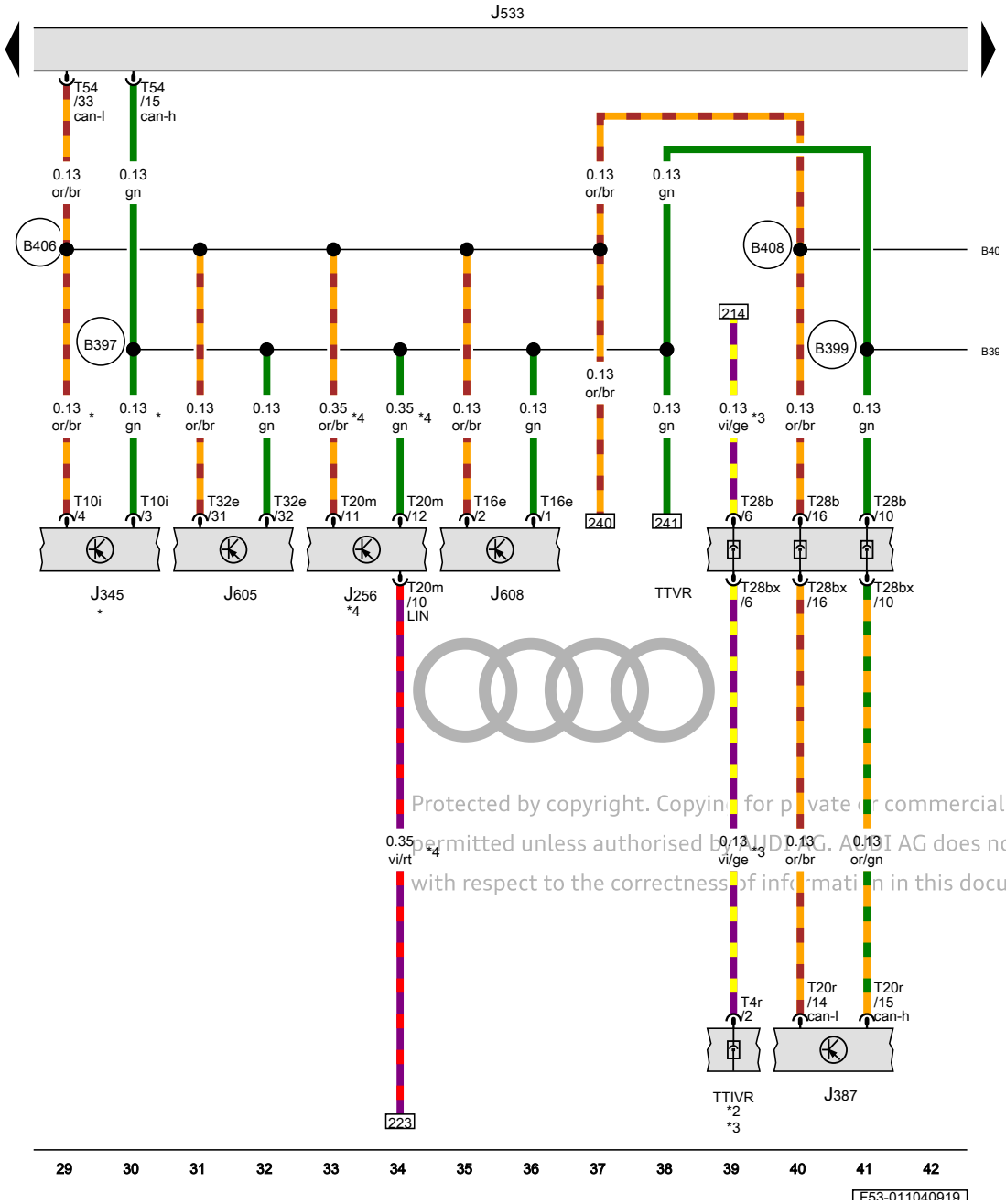

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Data bus diagnostic interface, Connection 1 (convenience CAN bus, high), in main wiring harness, Connection 3 (convenience CAN bus, high), in main wiring harness, Connection 1 (convenience CAN bus, low), in main wiring harness, Connection 3 (convenience CAN bus, low), in main wiring harness

J256	Convertible roof actuation control unit
J345	Trailer detector control unit
J387	Front passenger door control unit
J533	Data bus diagnostic interface
J605	Rear lid control unit
J608	Special vehicle control unit
T4r	4-pin connector, black
T10i	10-pin connector, black
T16e	16-pin connector, black
T20m	20-pin connector, black
T20r	20-pin connector, white
T28b	28-pin connector, black
T28bx	28-pin connector, black
T32e	32-pin connector, black
T54	54-pin connector, black
TTIVR	Coupling point in front right door
TTVR	Coupling point for front right door
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	For models with towing bracket
*2	see applicable current flow diagram for convenience system
*3	For models with additional lights
*4	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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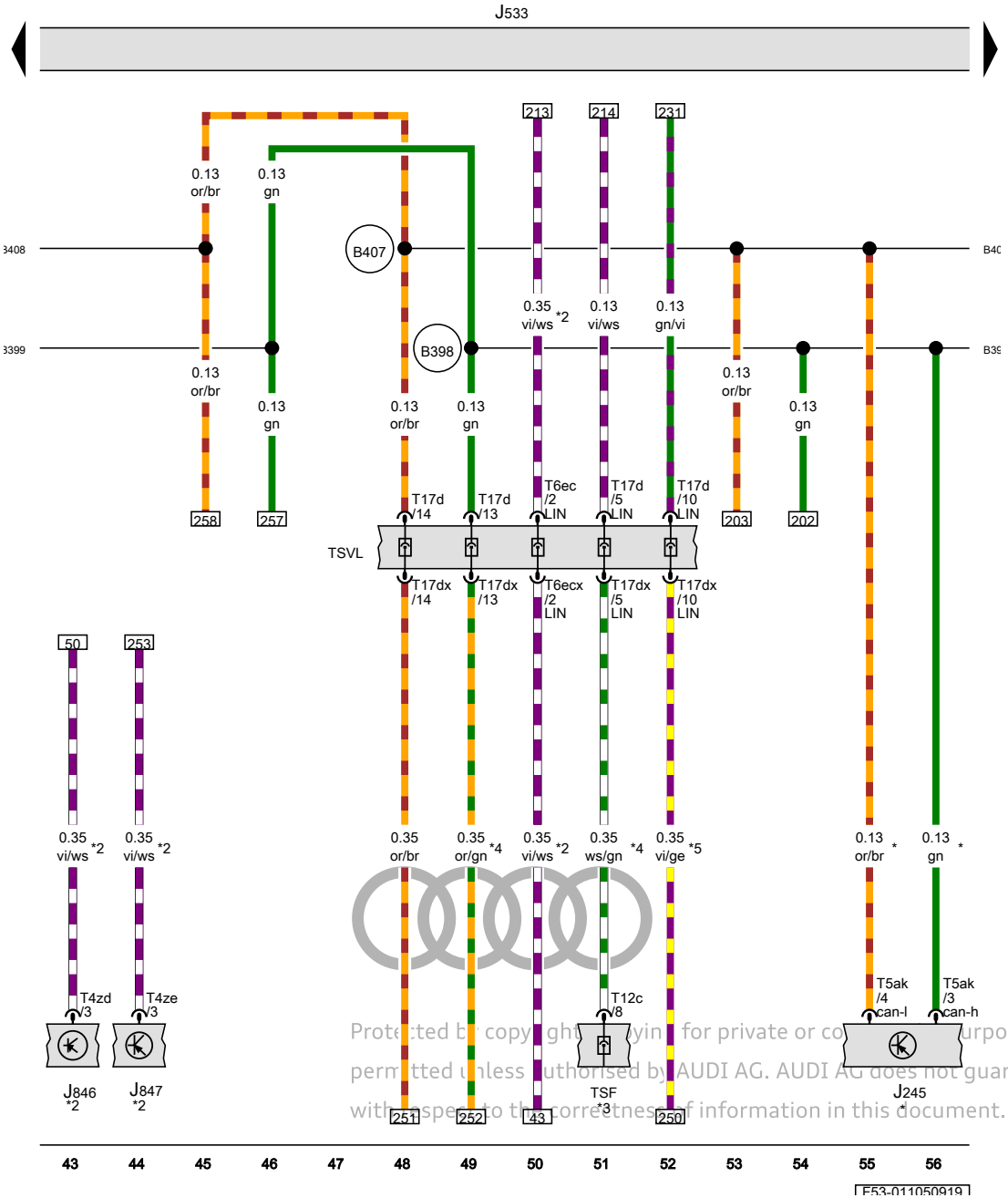

Data bus diagnostic interface, Coupling point for front left seat, Connection 2 (convenience CAN bus, high), in main wiring harness, Connection 3 (convenience CAN bus, high), in main wiring harness, Connection 2 (convenience CAN bus, low), in main wiring harness, Connection 3 (convenience CAN bus, low), in main wiring harness

J245	Sliding sunroof adjustment control unit
J533	Data bus diagnostic interface
J846	Control unit for left neck heating
J847	Control unit for right neck heating
T4zd	4-pin connector, black
T4ze	4-pin connector, black
T5ak	5-pin connector, black
T6ec	6-pin connector, grey
T6ecx	6-pin connector, grey
T12c	12-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
TSF	Coupling point for driver seat backrest
TSVL	Coupling point for front left seat
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	For models with panoramic sliding sunroof
*2	For Cabriolet models
*3	see applicable current flow diagram for seat adjustment
*4	Different wire colour possible
*5	For models with additional lights

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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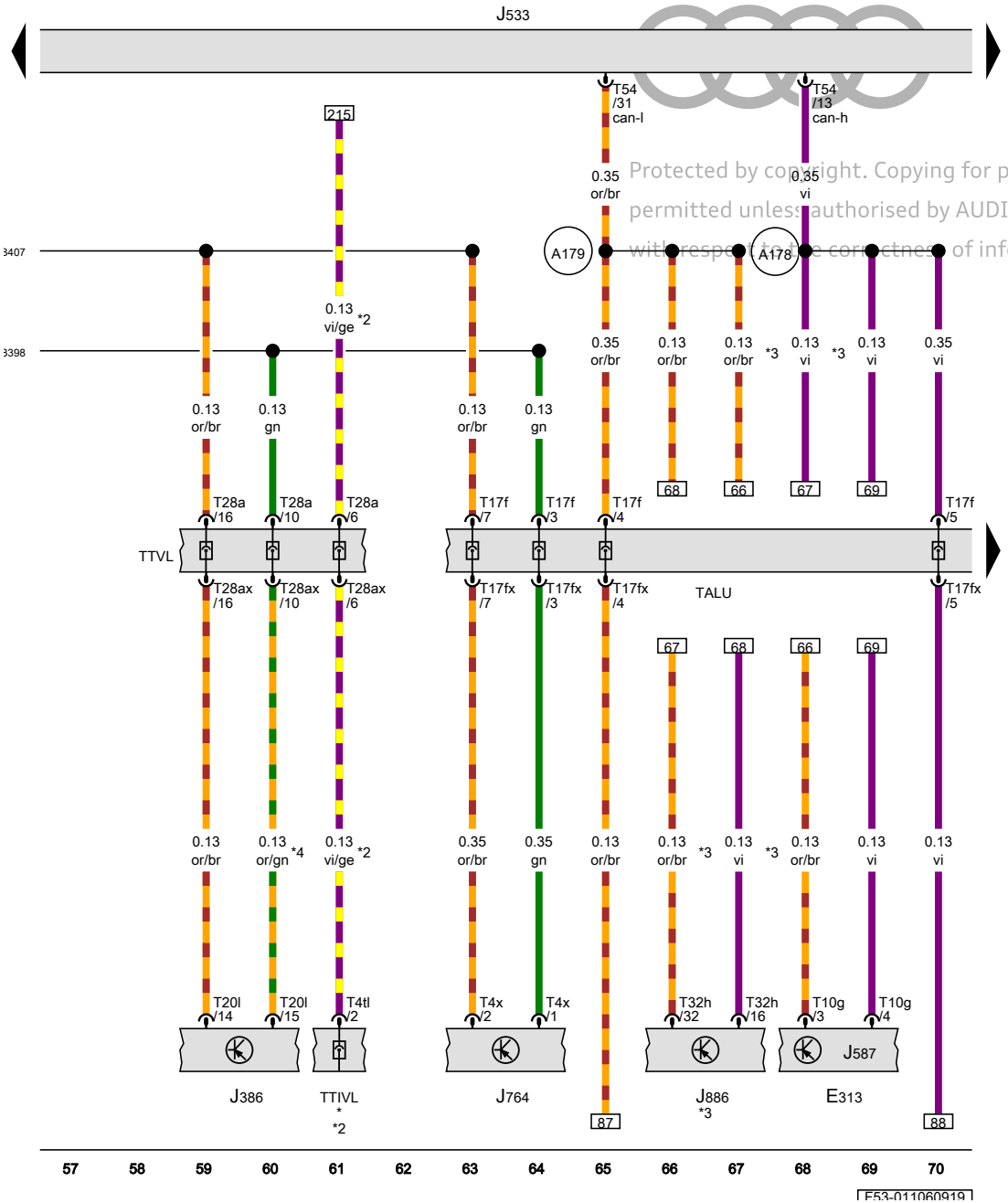

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Data bus diagnostic interface, Connection (infotainment CAN bus, high), in dash panel wiring harness, Connection (infotainment CAN bus, low), in dash panel wiring harness, Connection 2 (convenience CAN bus, high), in main wiring harness, Connection 2 (convenience CAN bus, low), in main wiring harness

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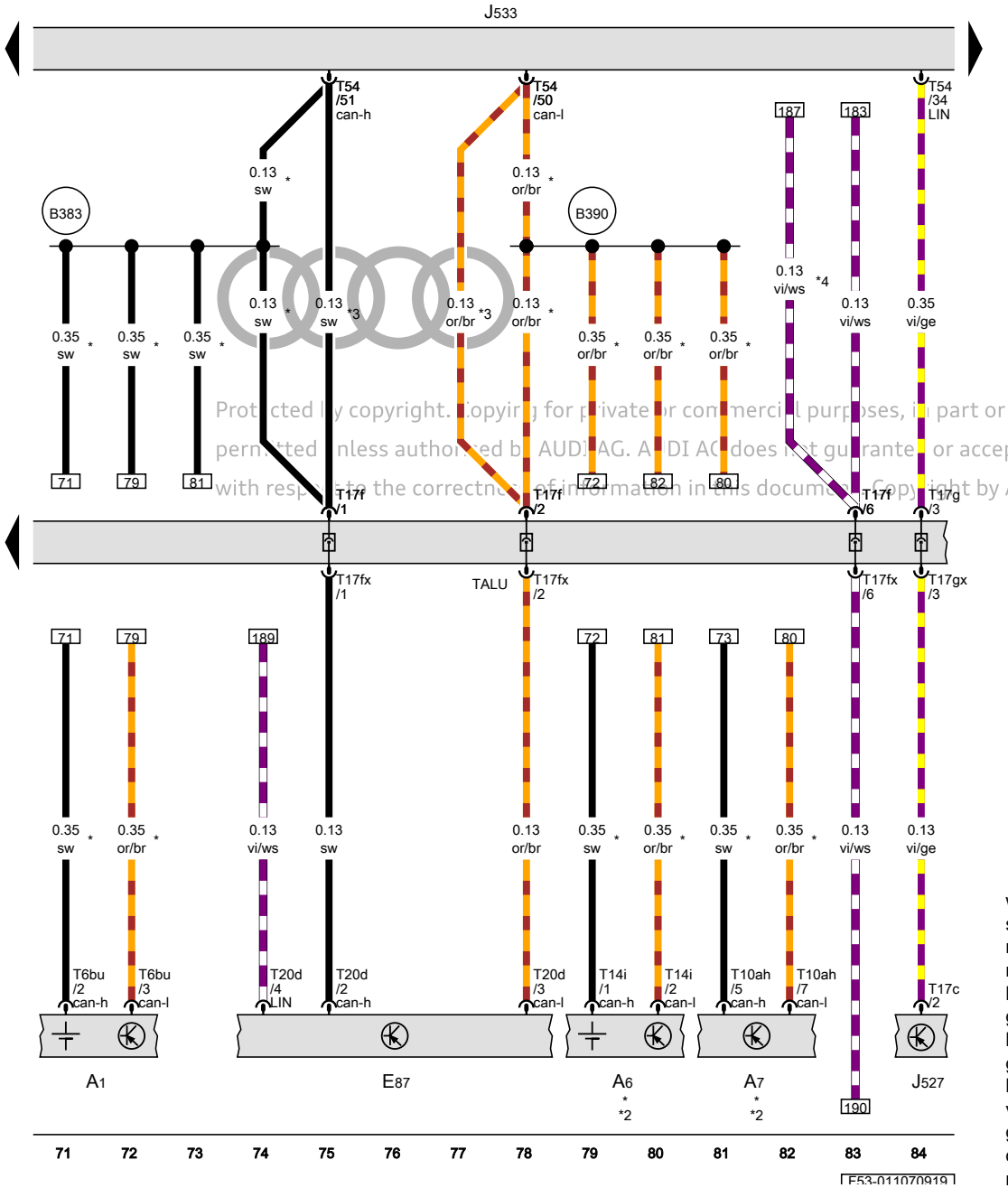
E313	Selector lever
J386	Driver door control unit
J533	Data bus diagnostic interface
J587	Selector lever sensors control unit
J764	Control unit for electronic steering column lock
J886	Control unit for seat belt microphone
T4tl	4-pin connector, black
T4x	4-pin connector, black
T10g	10-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T20l	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
T32h	32-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TTIVL	Coupling point in front left door
TTVL	Coupling point for front left door
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
*	see applicable current flow diagram for convenience system
*2	For models with additional lights
*3	For Cabriolet models
*4	Different wire colour possible



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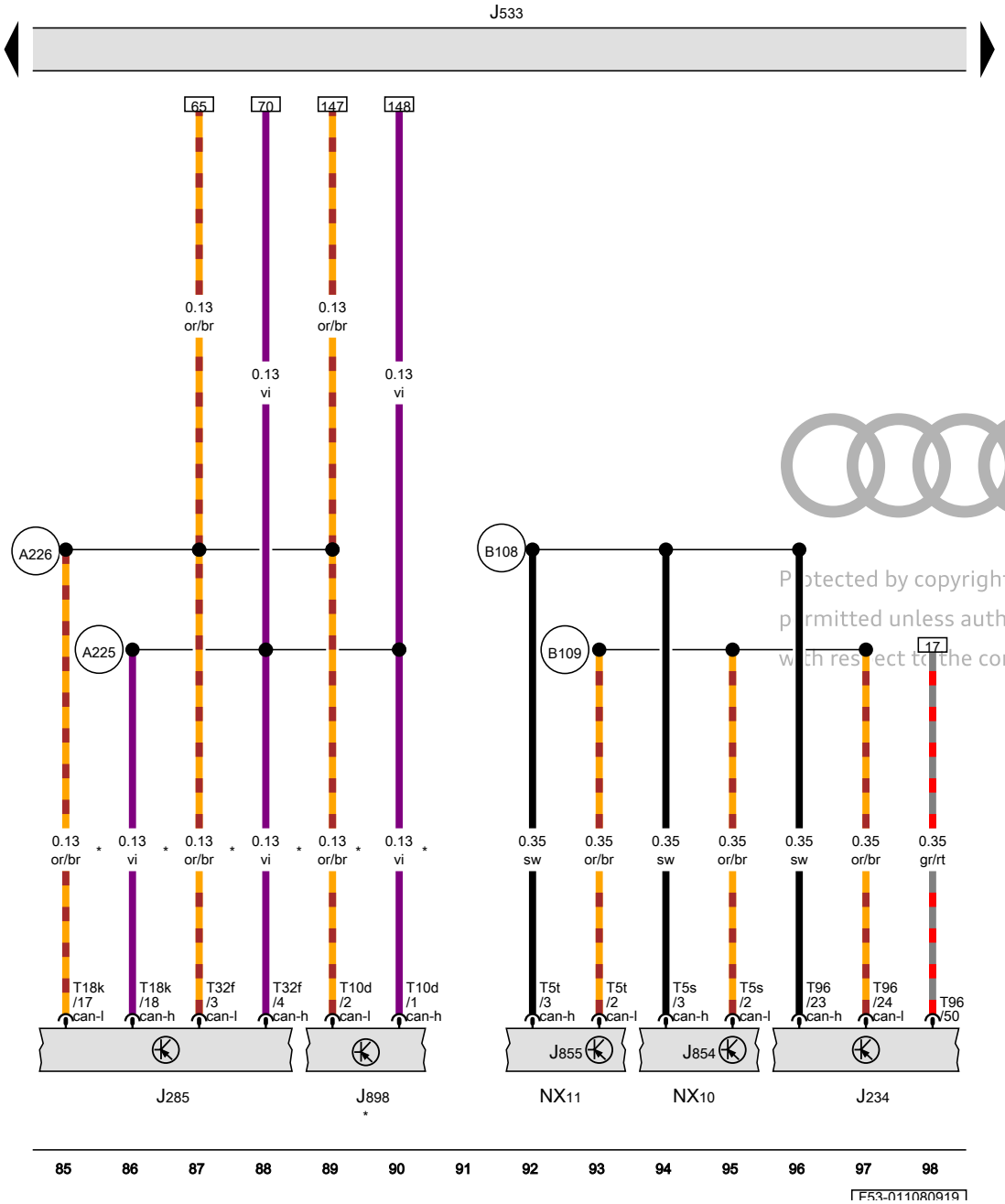
Data bus diagnostic interface, Connection 1 (powertrain CAN bus, high), in main wiring harness, Connection 1 (powertrain CAN bus, low), in main wiring harness

A1	Second battery
A6	Battery, 48 V
A7	Voltage converter (48 V/12 V)
E87	Operating and display unit for front air conditioning system
J527	Steering column electronics control unit
J533	Data bus diagnostic interface
T6bu	6-pin connector, black
T10ah	10-pin connector, black
T14i	14-pin connector, black
T17c	17-pin connector, yellow
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20d	20-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	For models with second battery
*2	According to equipment
*3	For models with no second battery
*4	For models with front heater



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Data bus diagnostic interface, Connection 2 (infotainment CAN bus, high) in dash panel wiring harness, Connection 2 (infotainment CAN bus, low) in dash panel wiring harness, Connection 1 (CAN bus extended high), in main wiring harness, Connection 1 (CAN bus extended low), in main wiring harness

J234	Airbag control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J854	Control unit for front left belt tensioner
J855	Control unit for front right belt tensioner
J898	Control unit for head-up display
NX10	Front left seat belt
NX11	Front right seat belt
T5s	5-pin connector, colourless
T5t	5-pin connector, colourless
T10d	10-pin connector, black
T18k	18-pin connector, black
T32f	32-pin connector, grey
T96	96-pin connector, yellow
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	According to equipment

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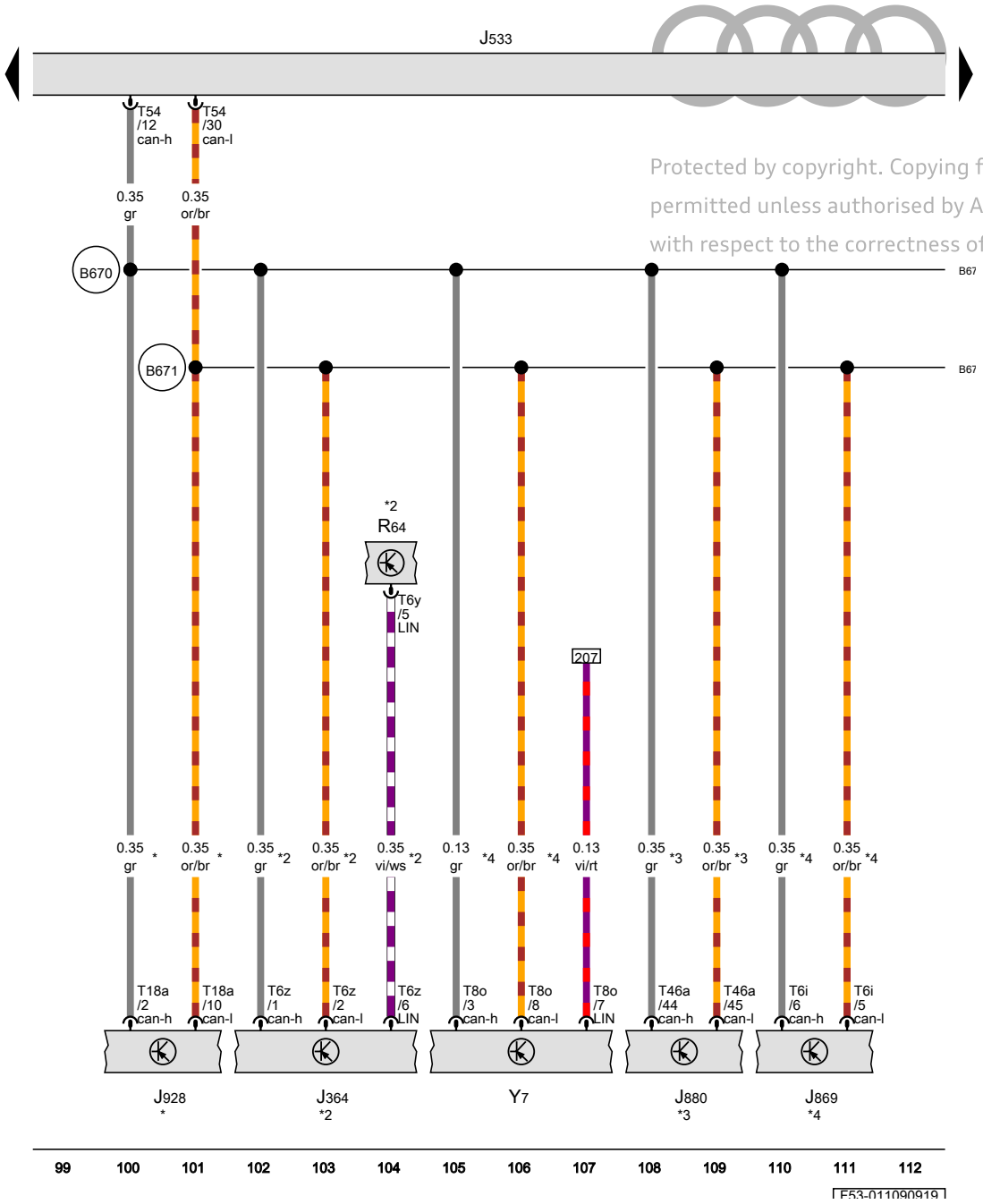

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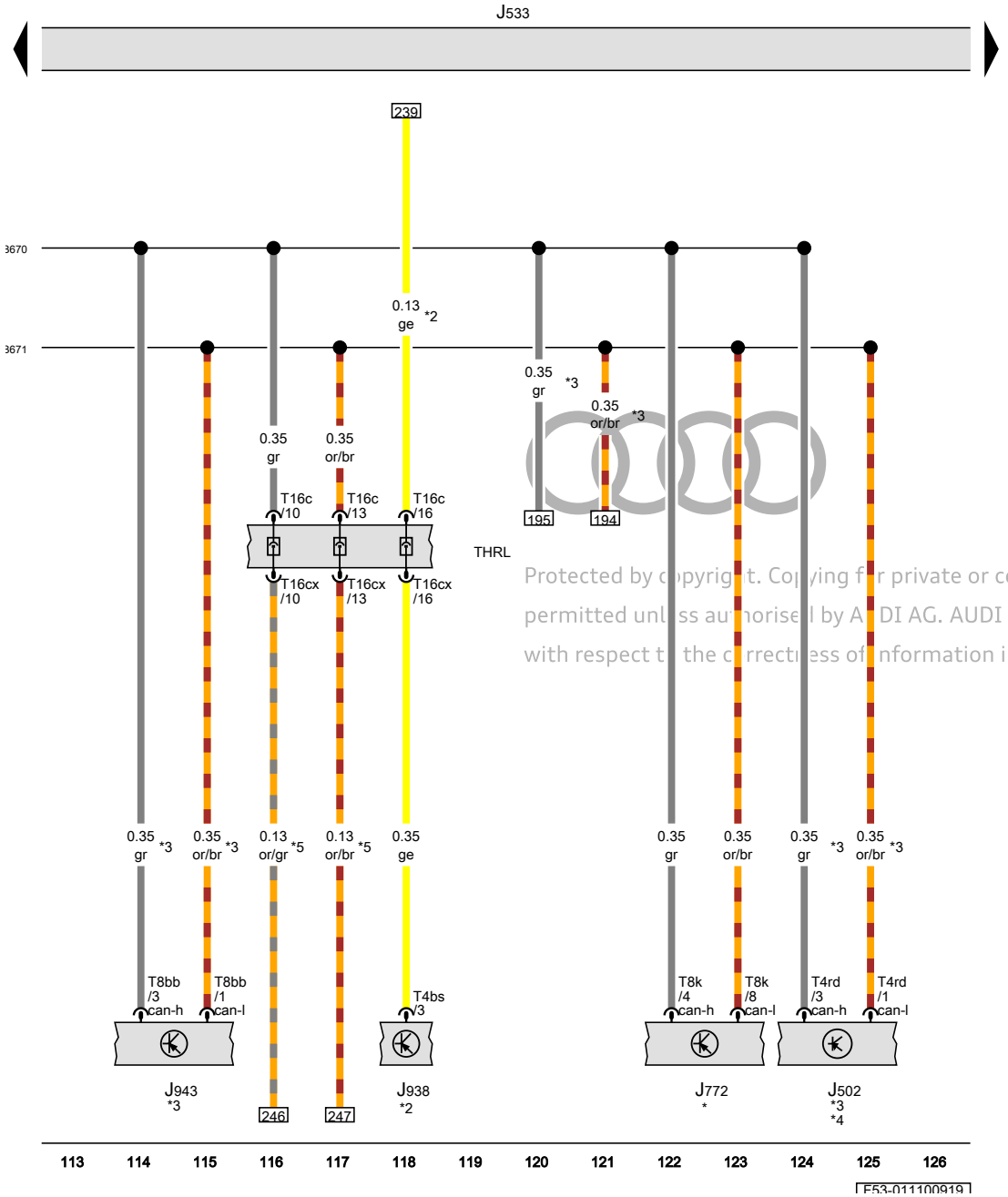
Data bus diagnostic interface, Connection 3 (CAN bus extended high), in main wiring harness, Connection 3 (CAN bus extended low), in main wiring harness

J364	Auxiliary heater control unit
J533	Data bus diagnostic interface
J869	Control unit for structure-borne sound
J880	Control unit for reducing agent metering system
J928	Control unit for overhead view camera
R64	Remote control receiver for auxiliary heater
T6i	6-pin connector, black
T6y	6-pin connector, blue
T6z	6-pin connector, black
T8o	8-pin connector, black
T18a	18-pin connector, black
T46a	46-pin connector, black
T54	54-pin connector, black
Y7	Automatic anti-dazzle interior mirror
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	For models with overhead view camera
*2	For models with auxiliary heating
*3	For models with reducing agent metering system
*4	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Data bus diagnostic interface, Connection 3 (CAN bus extended high), in main wiring harness, Connection 3 (CAN bus extended low), in main wiring harness

J502	Tyre Pressure Monitoring System control unit
J533	Data bus diagnostic interface
J772	Reversing camera system control unit
J938	Rear lid power opening control unit
J943	Engine sound generator control unit
T4bs	4-pin connector, black
T4rd	4-pin connector, grey
T8bb	8-pin connector, black
T8k	8-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
THRL	Coupling point in luggage compartment, left
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	For models with reversing camera system
*2	For models with rear lid power opening sender
*3	According to equipment
*4	see applicable current flow diagram for Tyre Pressure Monitoring System
*5	For models with lane change assist

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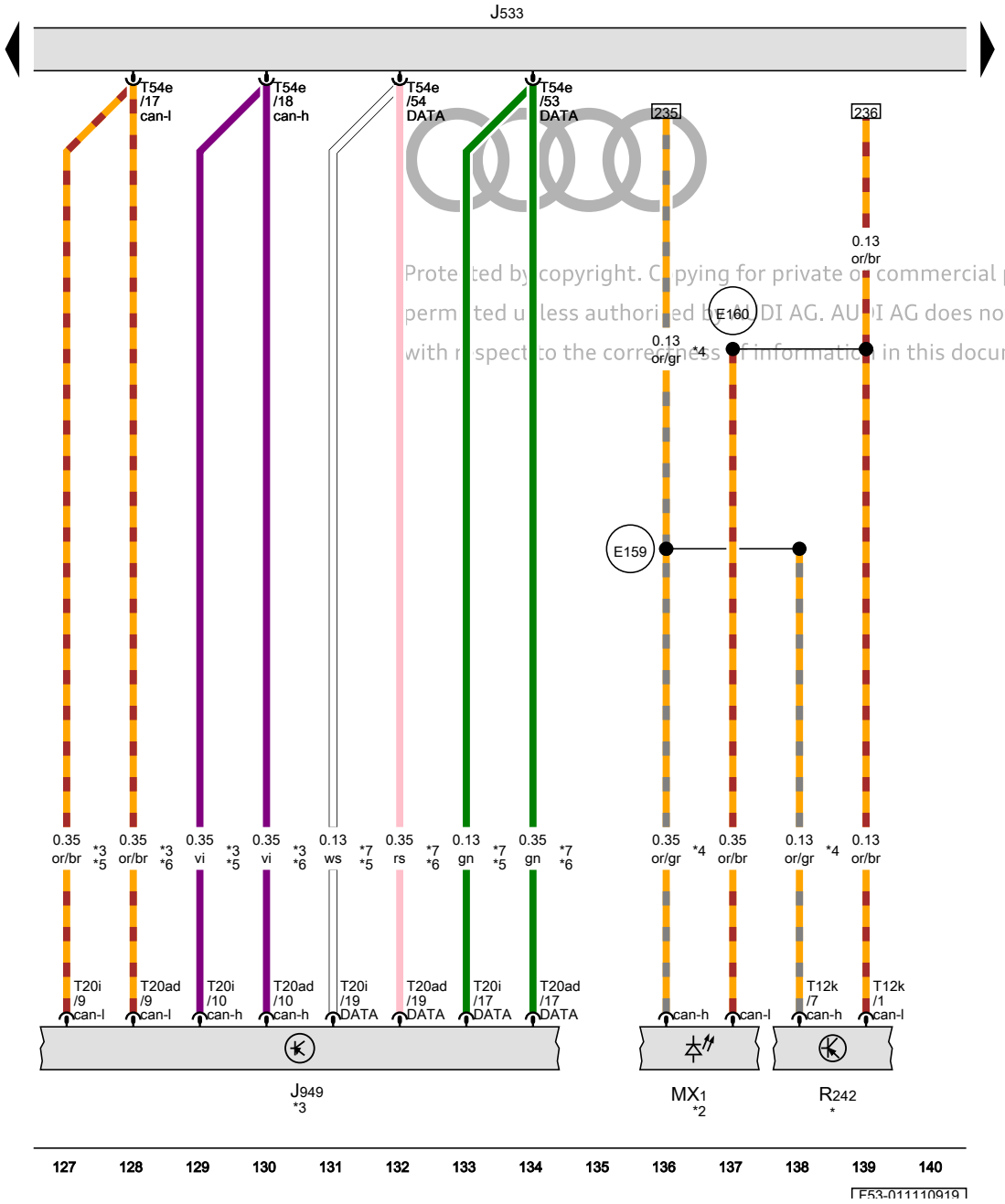

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rs = pink

Data bus diagnostic interface, Connection 1 (CAN bus, onboard supply control unit, high), Connection 1 (CAN bus, onboard supply control unit, low)

J533	Data bus diagnostic interface
J949	Emergency call module control unit and communication unit
MX1	Front left headlight
R242	Front camera for driver assist systems
T12k	12-pin connector, black
T20ad	20-pin connector, black
T20i	20-pin connector, black
T54e	54-pin connector, grey
E159	Connection 1 (CAN bus, onboard supply control unit, high)
E160	Connection 1 (CAN bus, onboard supply control unit, low)
*	For driver assist systems
*2	see applicable current flow diagram for headlights
*3	According to equipment
*4	Different wire colour possible
*5	Up to September 2019
*6	From October 2019
*7	Connection for ethernet

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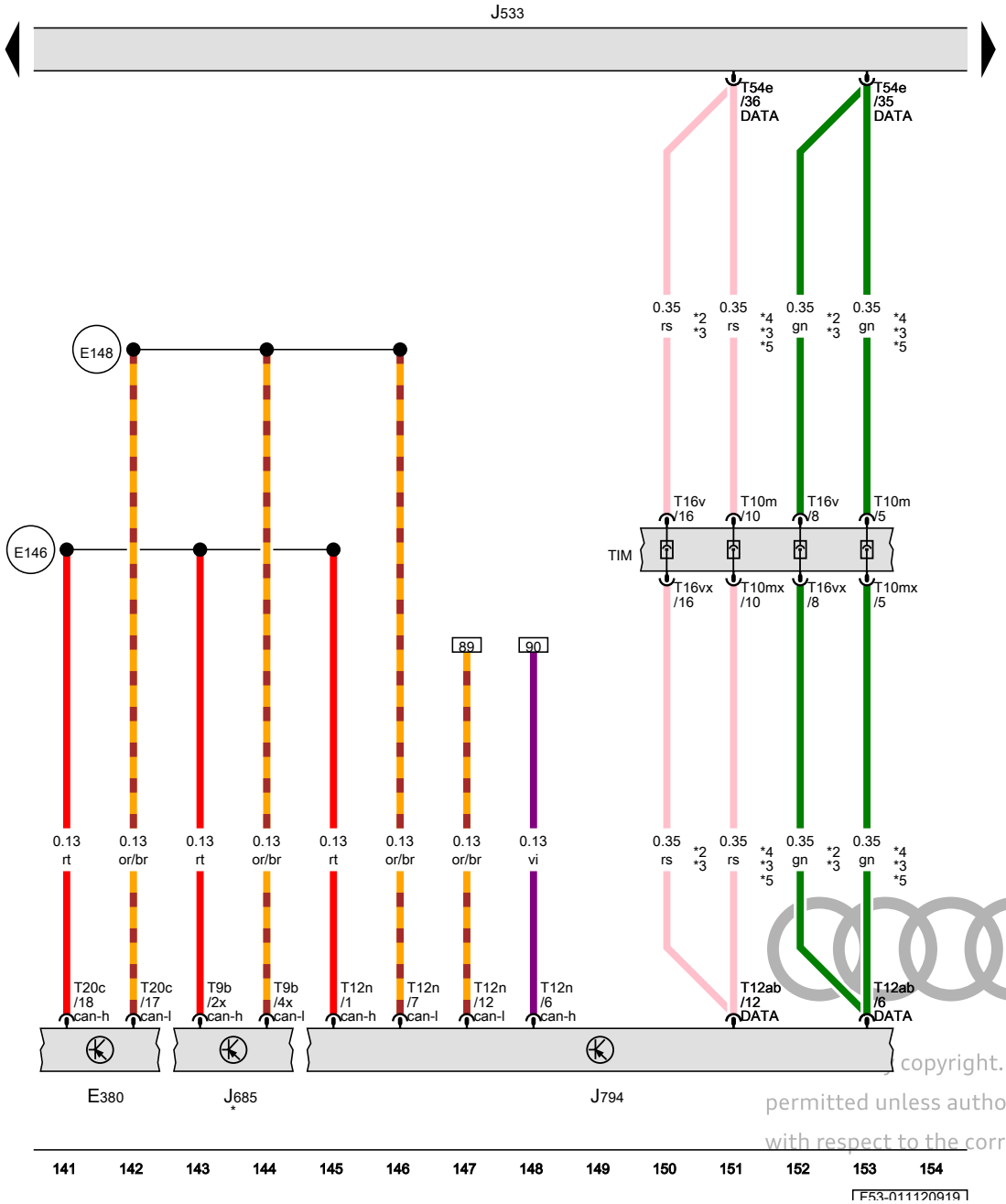

Data bus diagnostic interface, Connection 2 (CAN bus, control unit 1 for information electronics, high), Connection 2 (CAN bus, control unit 1 for information electronics, low)

E380	Multimedia system operating unit
J533	Data bus diagnostic interface
J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
T9b	9-pin connector, blue
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12ab	12-pin connector, green
T12n	12-pin connector, grey
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T20c	20-pin connector, black
T54e	54-pin connector, grey
TIM	Coupling point in interior, centre
E146	Connection 2 (CAN bus, control unit 1 for information electronics, high)
E148	Connection 2 (CAN bus, control unit 1 for information electronics, low)
*	see applicable current flow diagram for radio/navigation system
*2	From December 2019
*3	Connection for ethernet
*4	Up to November 2019
*5	From October 2019

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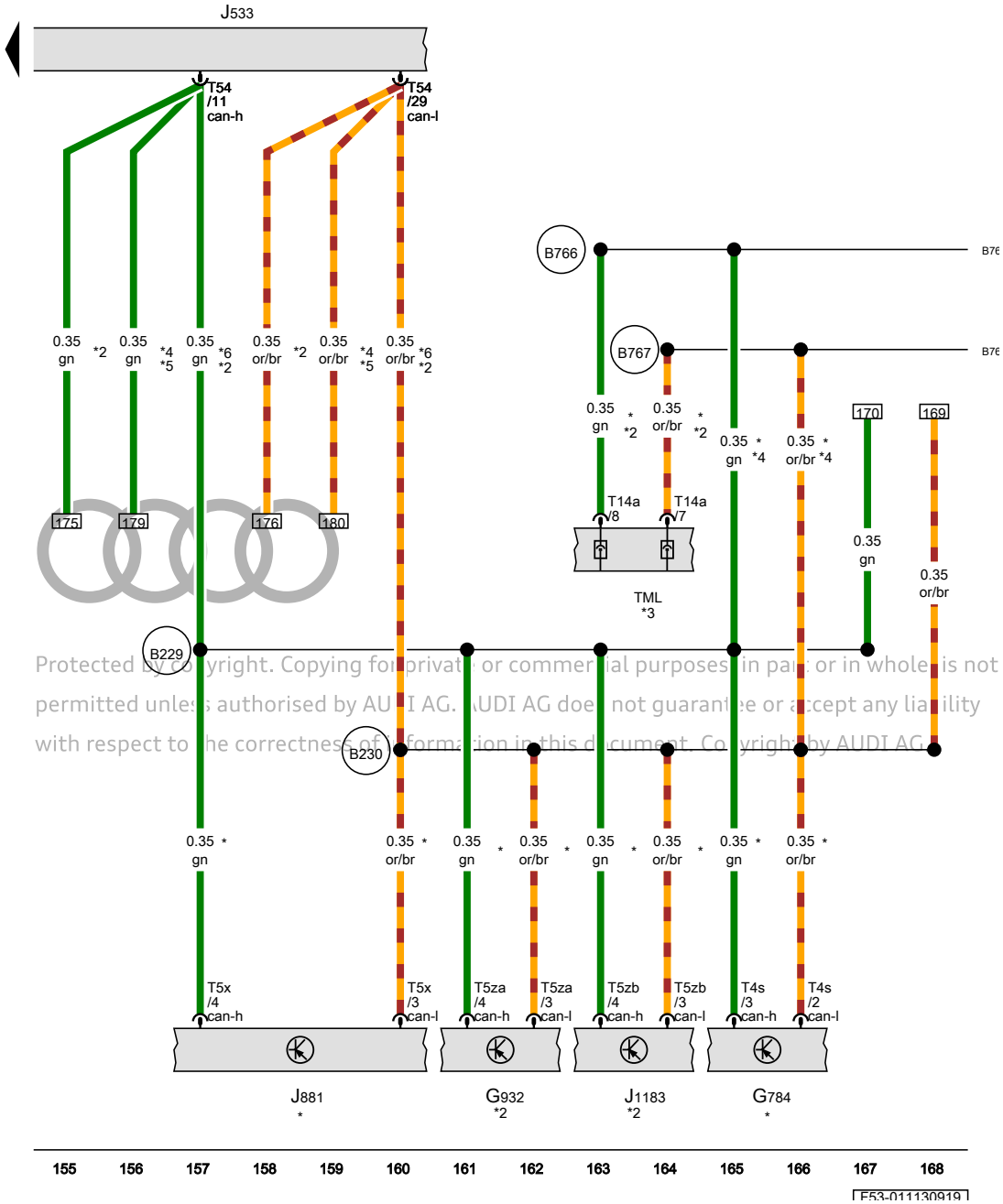

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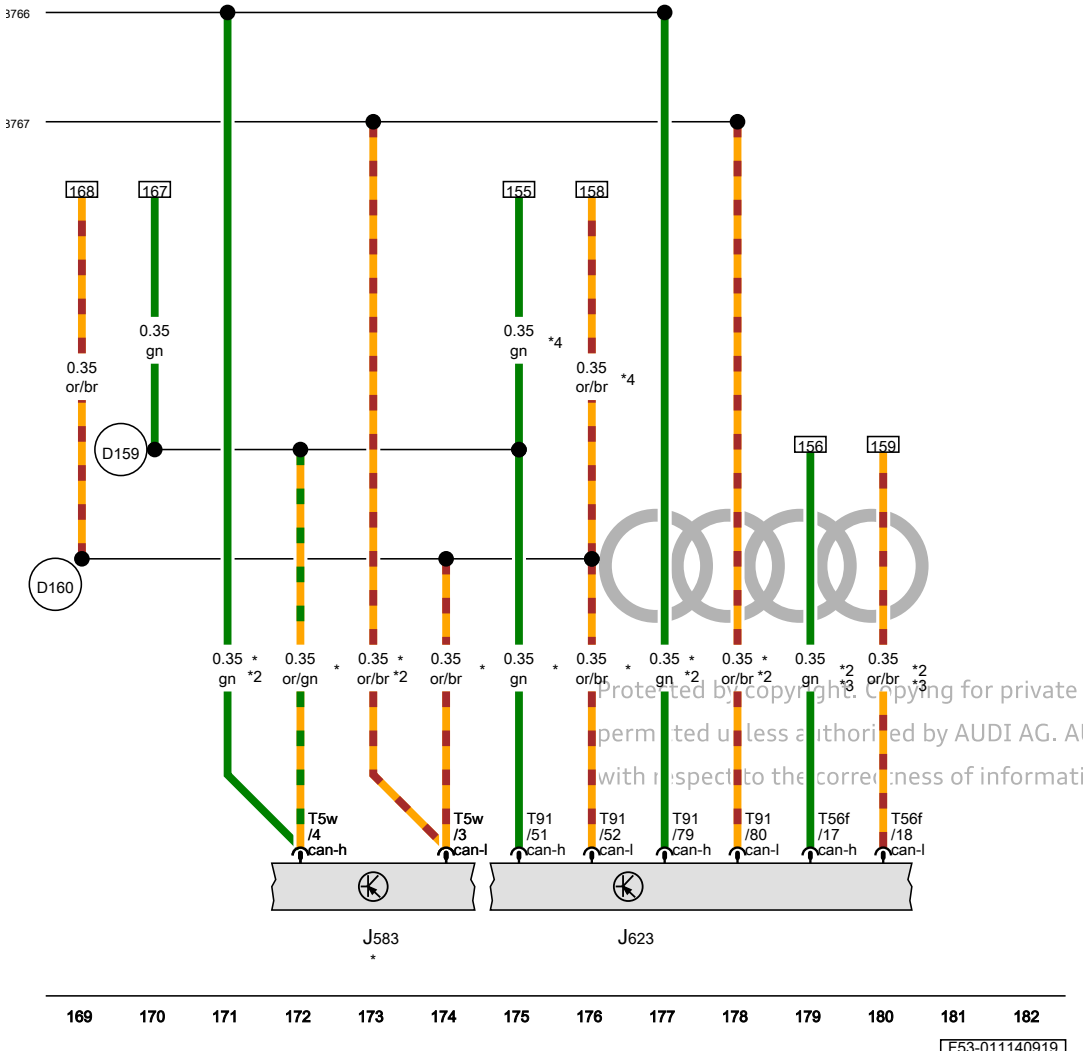
Data bus diagnostic interface, Connection (high bus), in interior wiring harness, Connection (low bus), in interior wiring harness, Connection 2 (high bus), in interior wiring harness, Connection 2 (low bus), in interior wiring harness

G784	Particulate sensor
G932	NOx sender 3
J533	Data bus diagnostic interface
J881	Control unit for NOx sender 2
J1183	Control unit for NOx sender 3
T4s	4-pin connector, black
T5x	5-pin connector, black
T5za	5-pin connector, black
T5zb	5-pin connector, black
T14a	14-pin connector
T54	54-pin connector, black
TML	Coupling point in engine compartment, left
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
B766	Connection 2 (high bus), in interior wiring harness
B767	Connection 2 (low bus), in interior wiring harness
*	For models with diesel engine
*2	According to equipment
*3	see applicable current flow diagram for engine
*4	For models with 6-cylinder engine
*5	For models with petrol engine
*6	Data bus wire (CAN bus)

Connection 2 (high bus), in interior wiring harness, Connection 2 (low bus), in interior wiring harness, Connection (high bus), in engine compartment wiring harness, Connection (low bus), in engine compartment wiring harness

J583	Control unit for NOx sender
J623	Engine/motor control unit
T5w	5-pin connector, black
T56f	56-pin connector, black
T91	91-pin connector, black
B766	Connection 2 (high bus), in interior wiring harness
B767	Connection 2 (low bus), in interior wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
*	For models with diesel engine
*2	For models with 6-cylinder engine
*3	For models with petrol engine
*4	According to equipment



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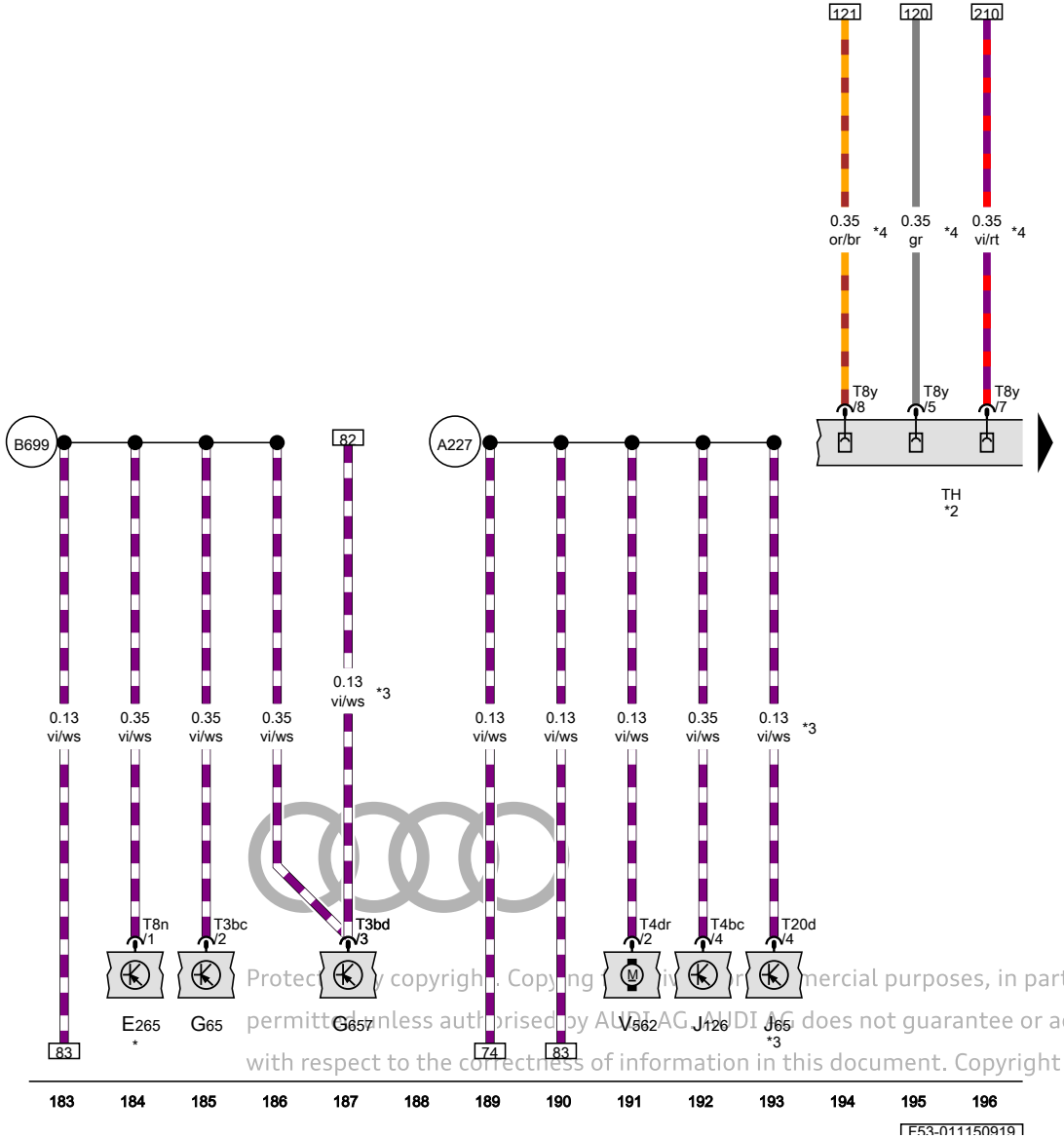
Connection 2 (LIN bus) in dash panel wiring harness, Connection 4 (LIN bus) in main wiring harness

E265	Operating and display unit for rear air conditioning system
G65	High-pressure sender
G657	Humidity sender in fresh air intake duct
J65	Heater control unit
J126	Fresh air blower control unit
T3bc	3-pin connector, black
T3bd	3-pin connector, black
T4bc	4-pin connector, black
T4dr	4-pin connector, black
T8n	8-pin connector, black
T8y	8-pin connector, black
T20d	20-pin connector, black
TH	Coupling point for roof
V562	Dash panel vent control motor
A227	Connection 2 (LIN bus) in dash panel wiring harness
B699	Connection 4 (LIN bus) in main wiring harness
*	see applicable current flow diagram for air conditioning
*2	see applicable current flow diagram
*3	For models with front heater
*4	According to equipment



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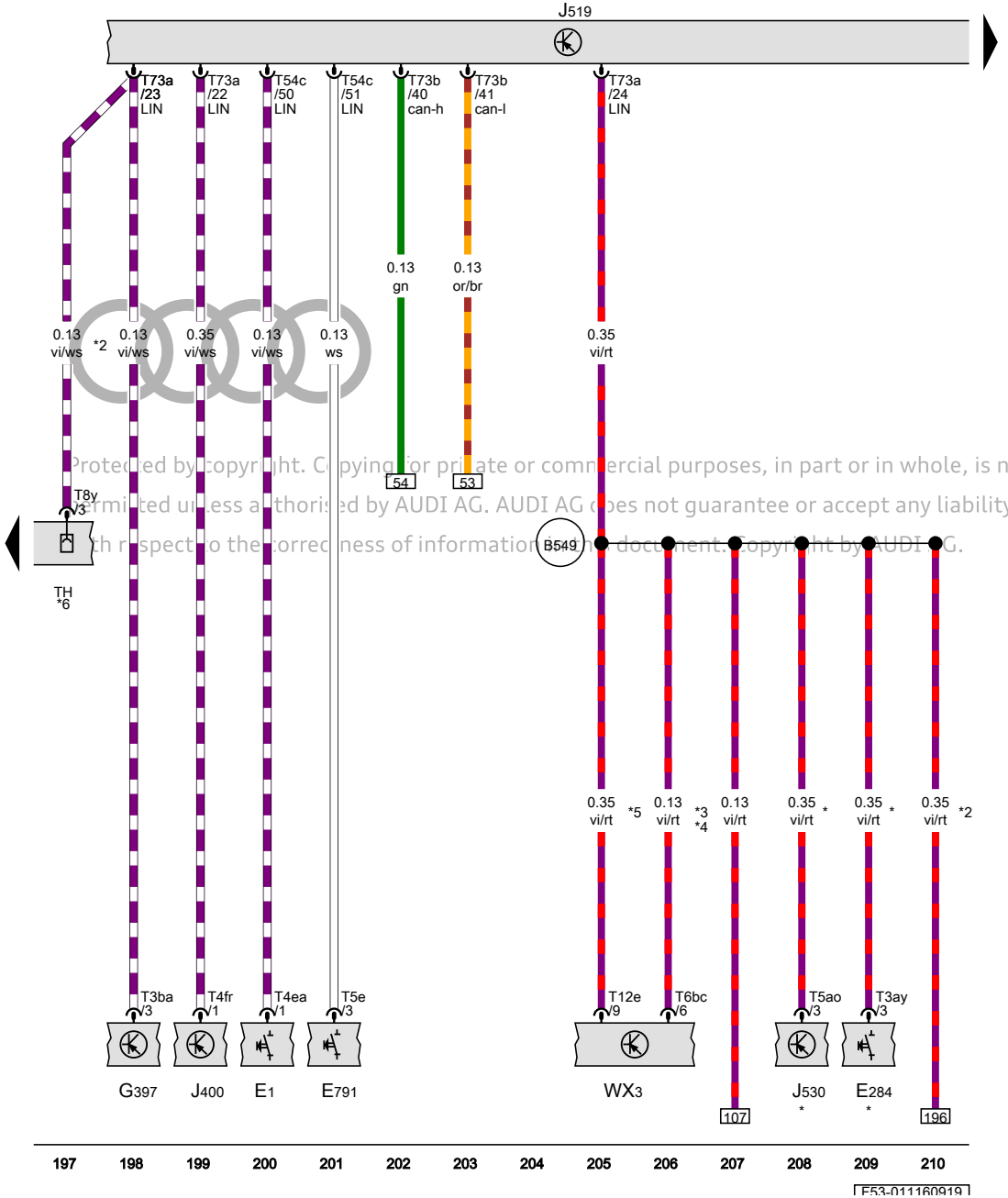

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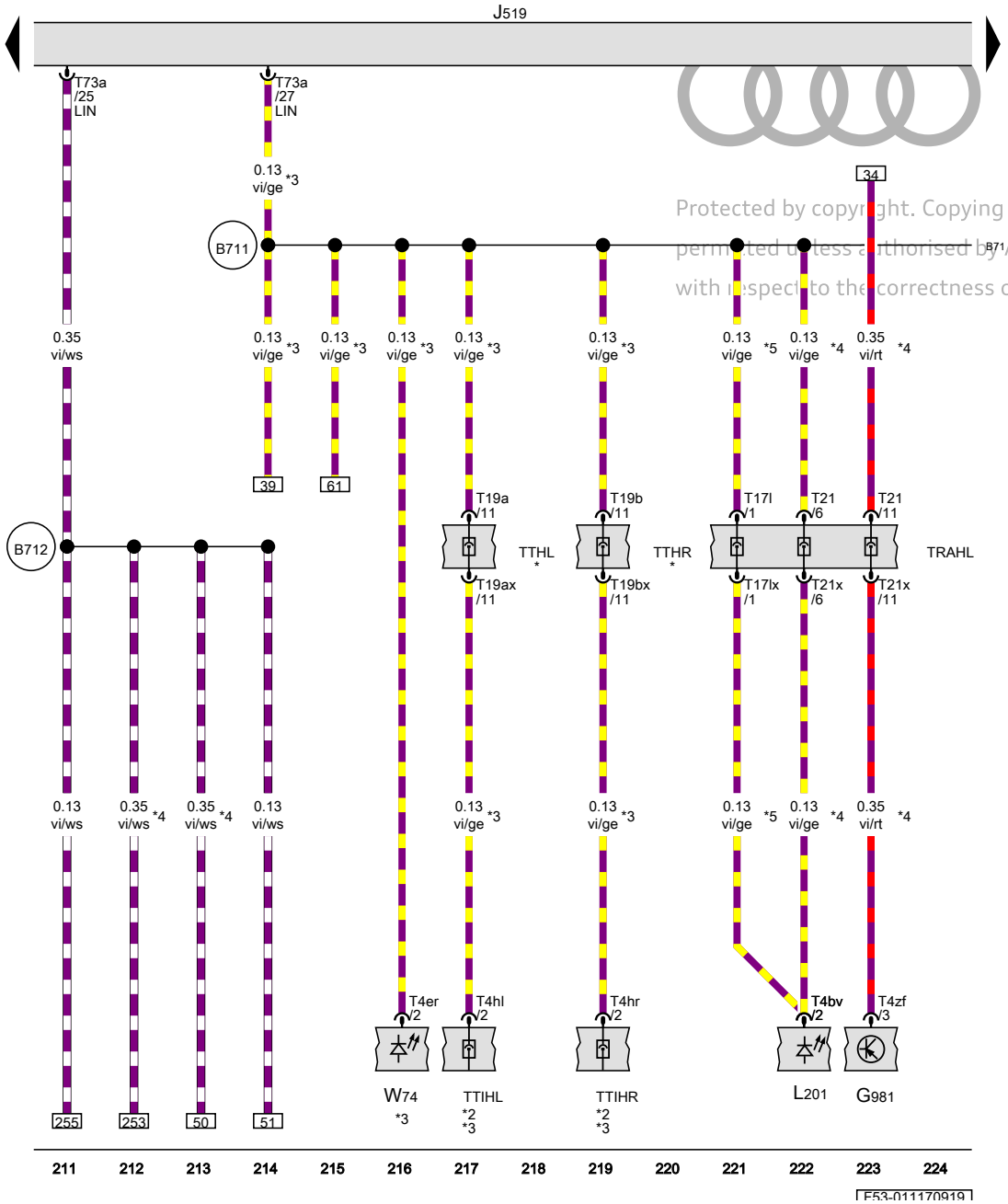
Onboard supply control unit, Connection 2 (LIN bus) in main wiring harness

E1	Light switch
E284	Garage door operating unit
E791	Operating unit 1 for driver and convenience functions
G397	Rain and light sensor
J400	Wiper motor control unit
J519	Onboard supply control unit
J530	Garage door operation control unit
T3ay	3-pin connector, brown
T3ba	3-pin connector, black
T4ea	4-pin connector, black
T4fr	4-pin connector, black
T5ao	5-pin connector, black
T5e	5-pin connector, brown
T6bc	6-pin connector, black
T8y	8-pin connector, black
T12e	12-pin connector, black
T54c	54-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
TH	Coupling point for roof
WX3	Front roof module
B549	Connection 2 (LIN bus) in main wiring harness
*	For models with garage door opener
*2	According to equipment
*3	Coupé
*4	Sportback
*5	For Cabriolet models
*6	see applicable current flow diagram



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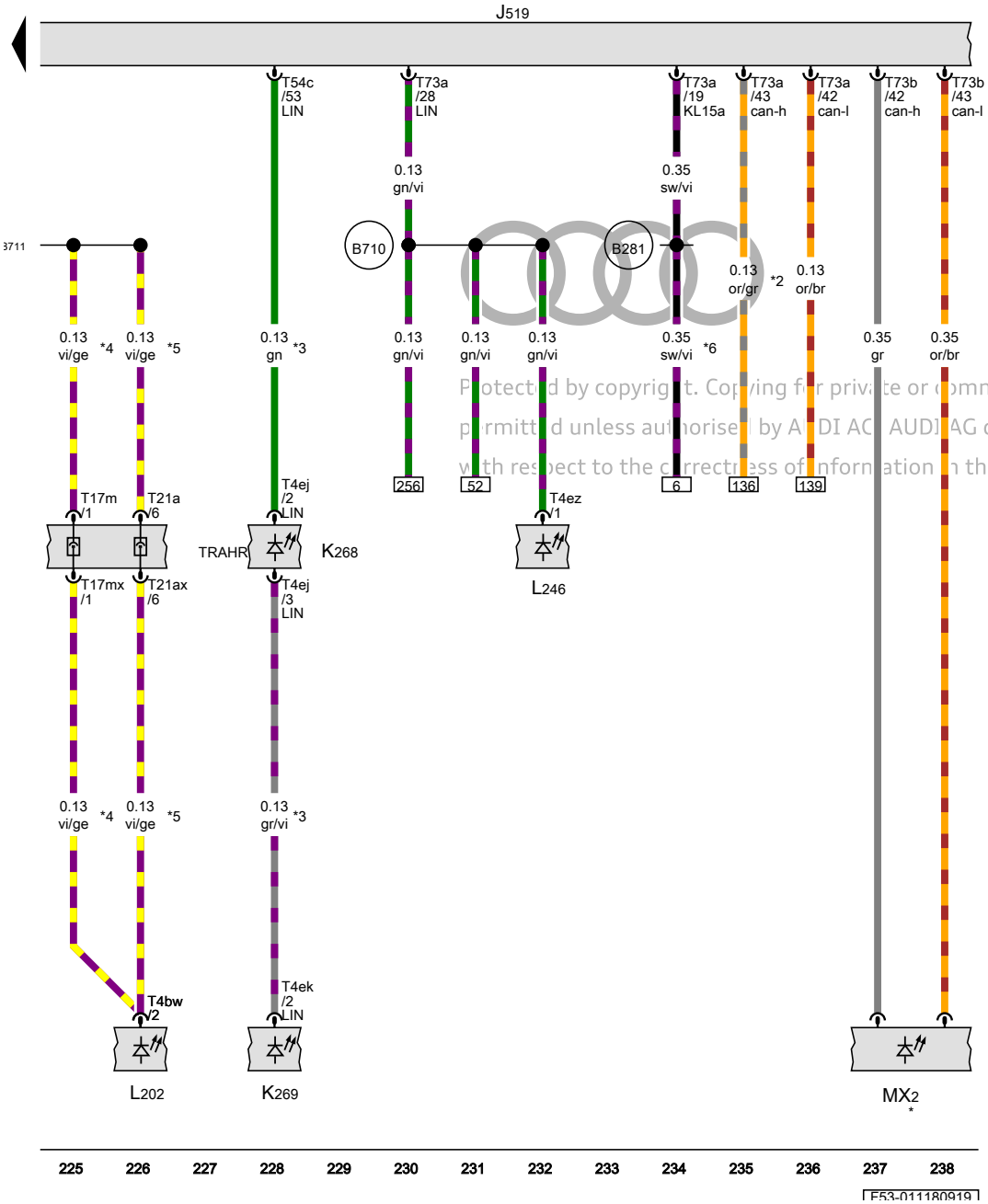
Onboard supply control unit, Connection 6 (LIN bus) in main wiring harness, Connection 7 (LIN bus) in main wiring harness

G981	Left ultrasonic sensor for passenger compartment monitoring system, rear
J519	Onboard supply control unit
L201	Light 1 for rear left door background lighting
T4bv	4-pin connector, brown
T4er	4-pin connector, black
T4hl	4-pin connector, black
T4hr	4-pin connector, black
T4zf	4-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector
T19a	19-pin connector, black
T19ax	19-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
T73a	73-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
TTHL	Coupling point for rear left door
TTHR	Coupling point for rear right door
TTIHL	Coupling point in rear left door
TTIHR	Coupling point in rear right door
W74	Light conductor for front centre console background lighting
B711	Connection 6 (LIN bus) in main wiring harness
B712	Connection 7 (LIN bus) in main wiring harness
*	Sportback
*2	see applicable current flow diagram for convenience system
*3	For models with additional lights
*4	For Cabriolet models
*5	Coupé



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Onboard supply control unit, Connection 5 (LIN bus) in main wiring harness, Connection 6 (LIN bus) in main wiring harness

J519	Onboard supply control unit
K268	Front left footwell light
K269	Front right footwell light
L202	Light 1 for rear right door background lighting
L246	Light 2 for cup holder background lighting
MX2	Front right headlight
T4bw	4-pin connector, brown
T4ej	4-pin connector, black
T4ek	4-pin connector, black
T4ez	4-pin connector, brown
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
T54c	54-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
B281	Positive connection 5 (15a) in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
B711	Connection 6 (LIN bus) in main wiring harness
*	see applicable current flow diagram for headlights
*2	Different wire colour possible
*3	For models with background lighting
*4	Coupé
*5	For Cabriolet models
*6	From October 2019

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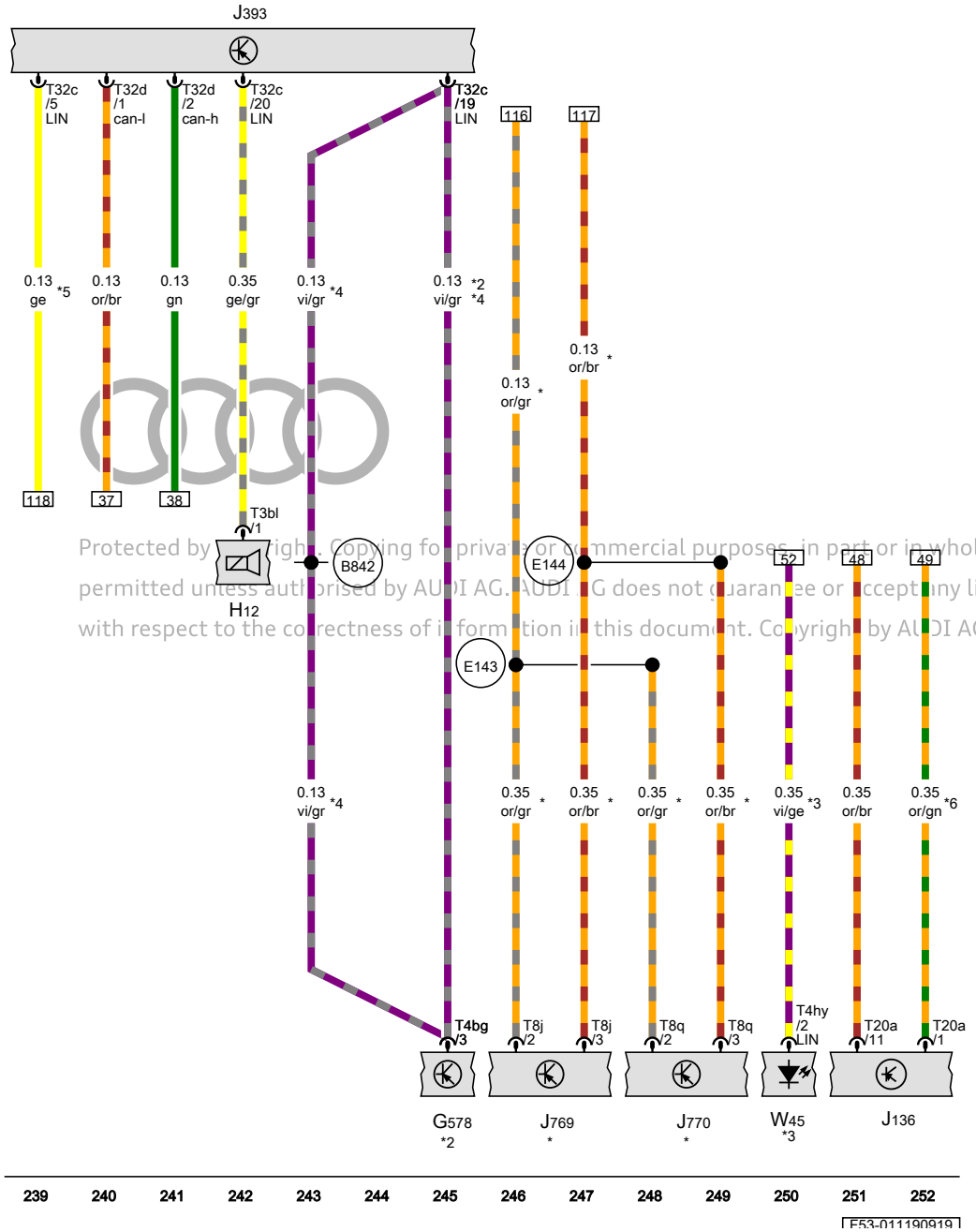

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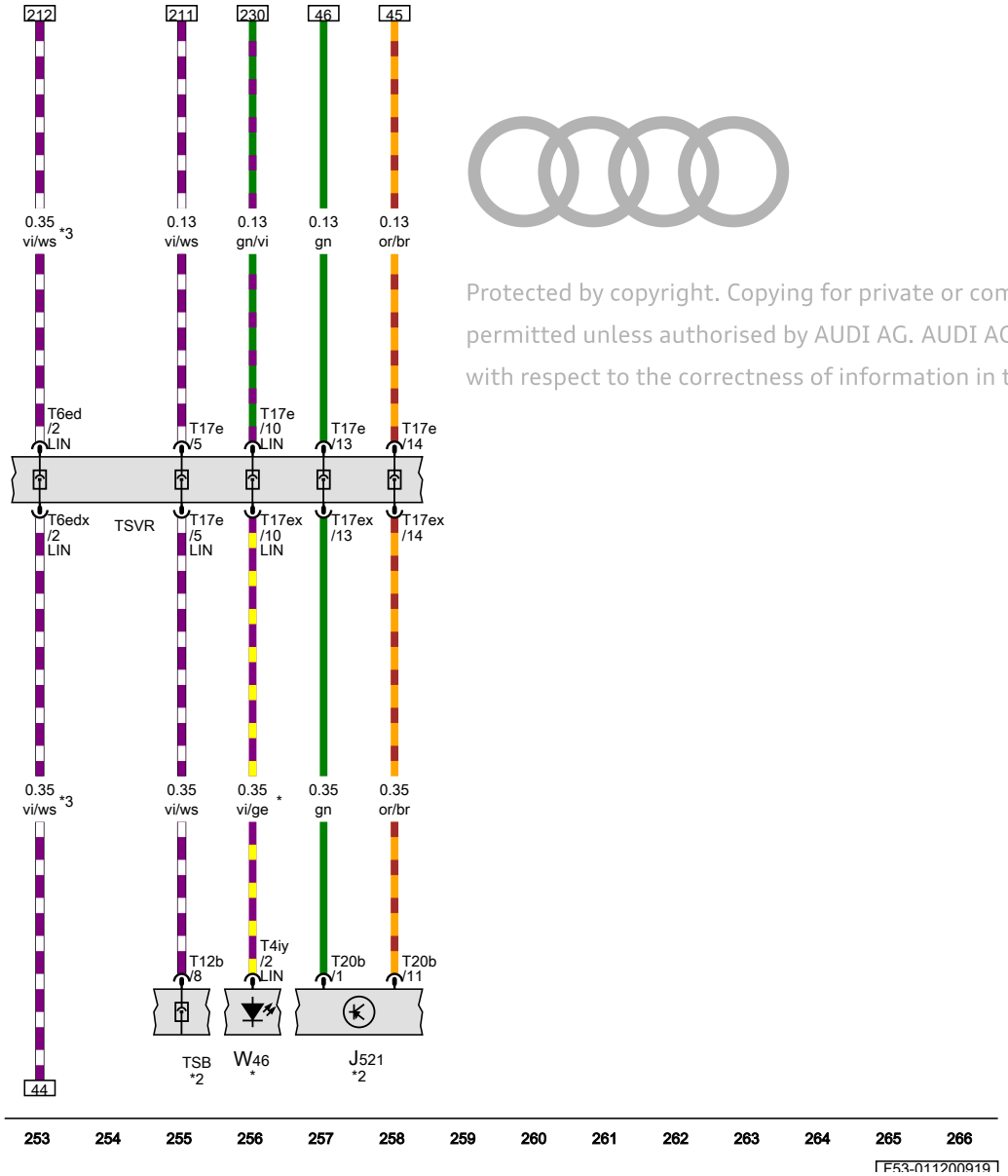
Convenience system central control unit, Connection 8 (LIN bus) in main wiring harness, Connection 1 (CAN bus extended high), in rear bumper wiring harness, Connection 1 (CAN bus extended low), in rear bumper wiring harness

G578	Anti-theft alarm sensor
H12	Alarm horn
J136	Seat and steering column adjustment control unit with memory
J393	Convenience system central control unit
J769	Lane change assist control unit
J770	Lane change assist control unit 2
T3bl	3-pin connector, black
T4bg	4-pin connector, black
T4hy	4-pin connector, brown
T8j	8-pin connector, black
T8q	8-pin connector, black
T20a	20-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
W45	Rear left footwell light
B842	Connection 8 (LIN bus) in main wiring harness
E143	Connection 1 (CAN bus extended high), in rear bumper wiring harness
E144	Connection 1 (CAN bus extended low), in rear bumper wiring harness
*	For models with lane change assist
*2	Anti-theft alarm system with interior monitoring
*3	For models with additional lights
*4	According to equipment
*5	For models with rear lid power opening sender
*6	Different wire colour possible

Coupling point for front right seat

J521	Front passenger seat adjustment with memory control unit
T4iy	4-pin connector, black
T6ed	6-pin connector, grey
T6edx	6-pin connector, grey
T12b	12-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
T20b	20-pin connector, black
TSB	Coupling point for front passenger seat backrest
TSVR	Coupling point for front right seat
W46	Rear right footwell light
*	For models with additional lights
*2	see applicable current flow diagram for seat adjustment
*3	For Cabriolet models



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1.4l petrol engine , CVNA

From November 2016

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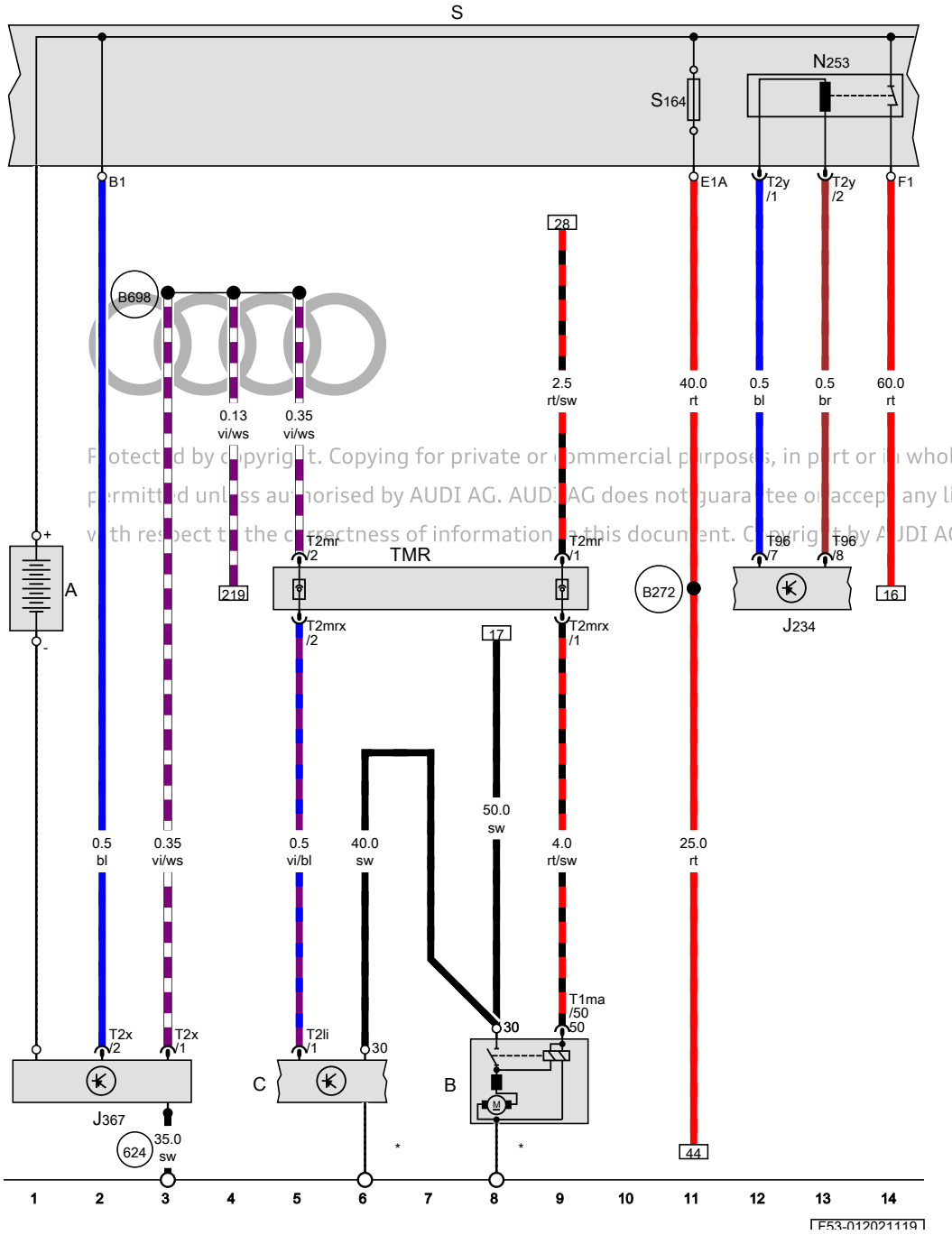

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Battery, Starter, Alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C	Alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

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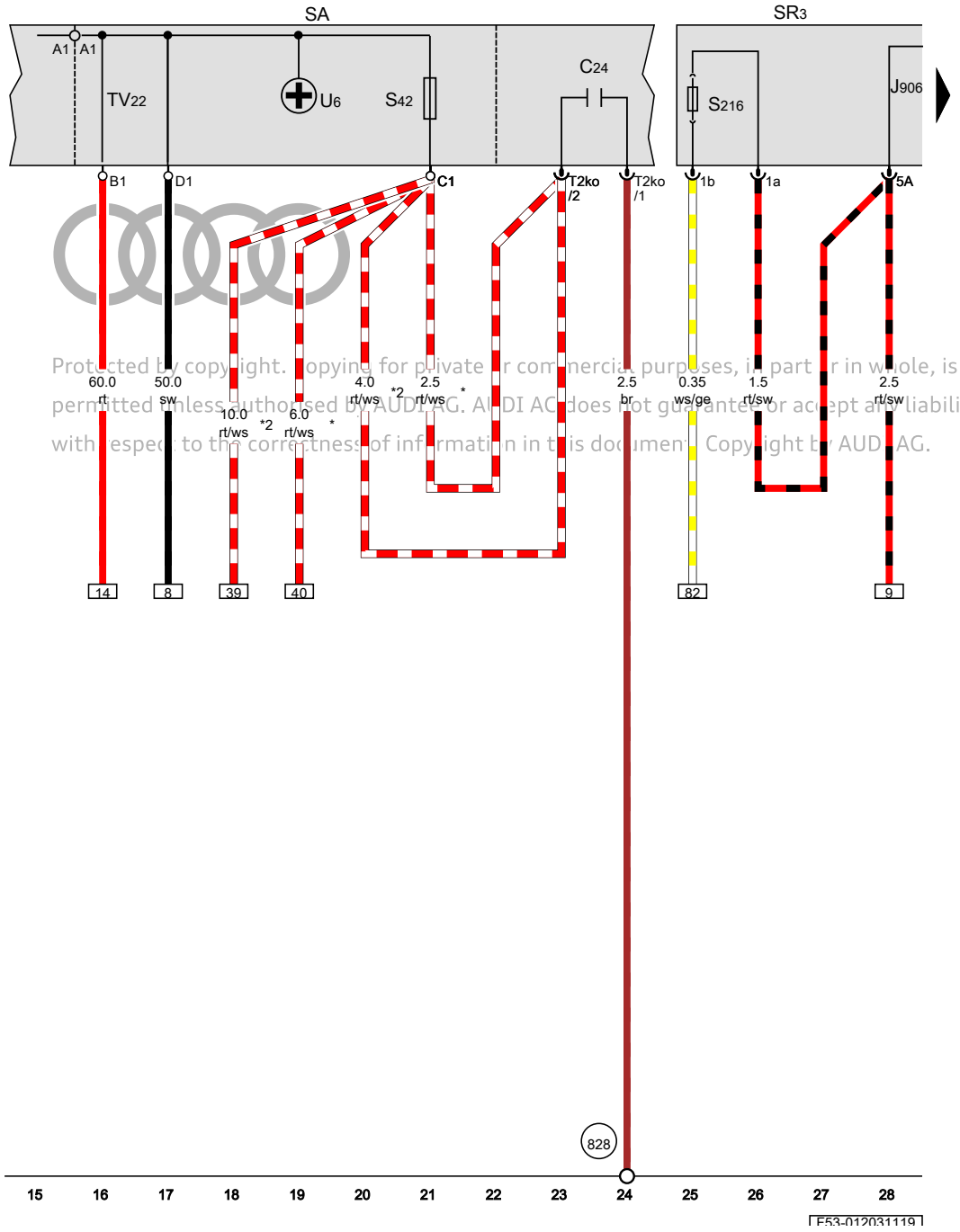

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Starter relay 1, Relay and fuse carrier 3, Fuse (50), Fuse holder A, Jump start socket

C24	Suppression filter
J906	Starter relay 1, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S42	Radiator fan single fuse
S216	Fuse (50), central in plenum chamber
SA	Fuse holder A, front right in engine compartment
T2ko	2-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
828	Earth point on right suspension turret
*	For models with low fan output
*2	For models with increased fan output

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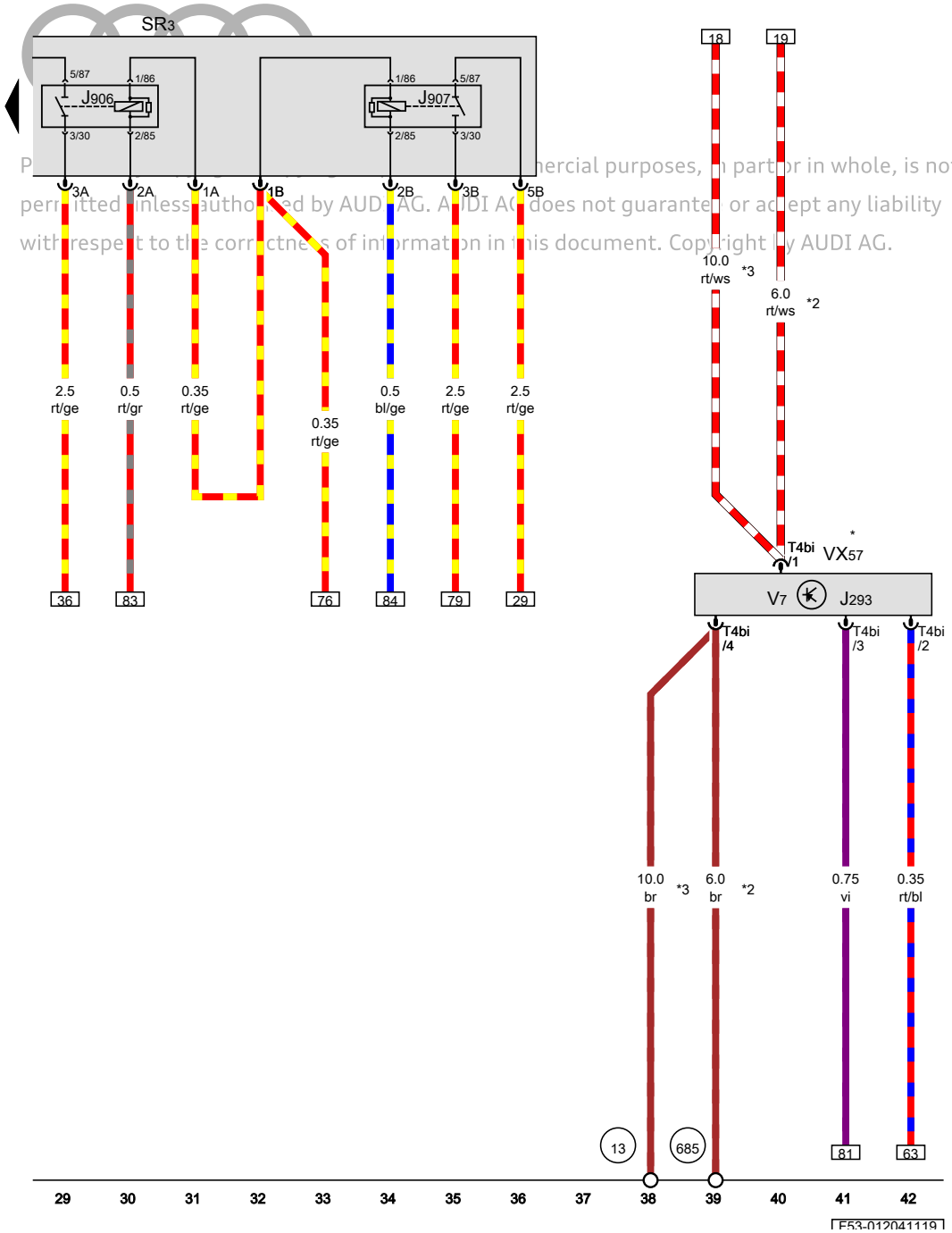

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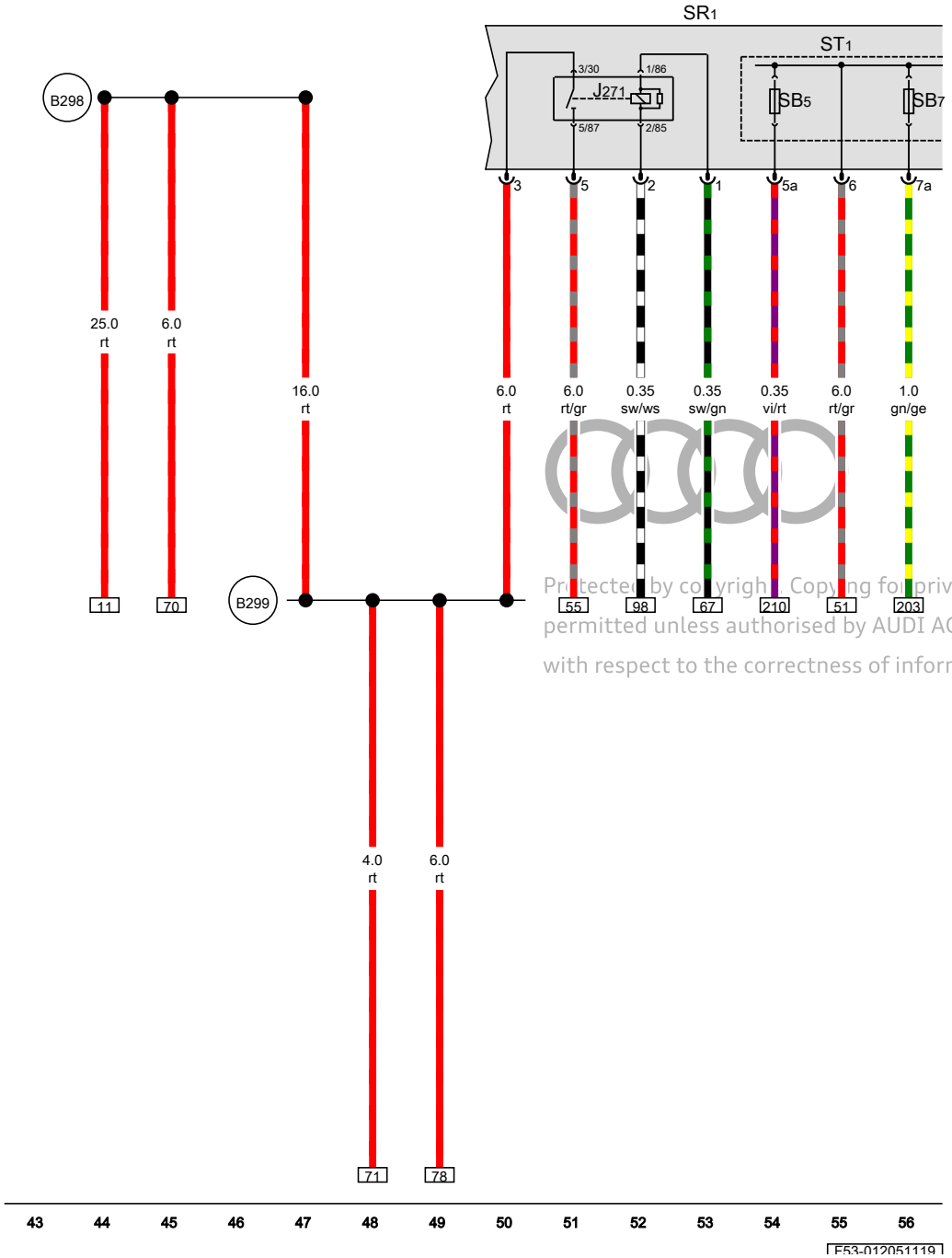
Starter relay 1, Starter relay 2, Relay and fuse carrier 3, Radiator fan

J293	Radiator fan control unit
J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
T4bi	4-pin connector, black
V7	Radiator fan
VX57	Radiator fan
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
*	Pre-wired component
*2	For models with low fan output
*3	For models with increased fan output

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Main relay, Relay and fuse carrier 1

J271	Main relay
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB5	Fuse 5 on fuse holder B
SB7	Fuse 7 on fuse holder B
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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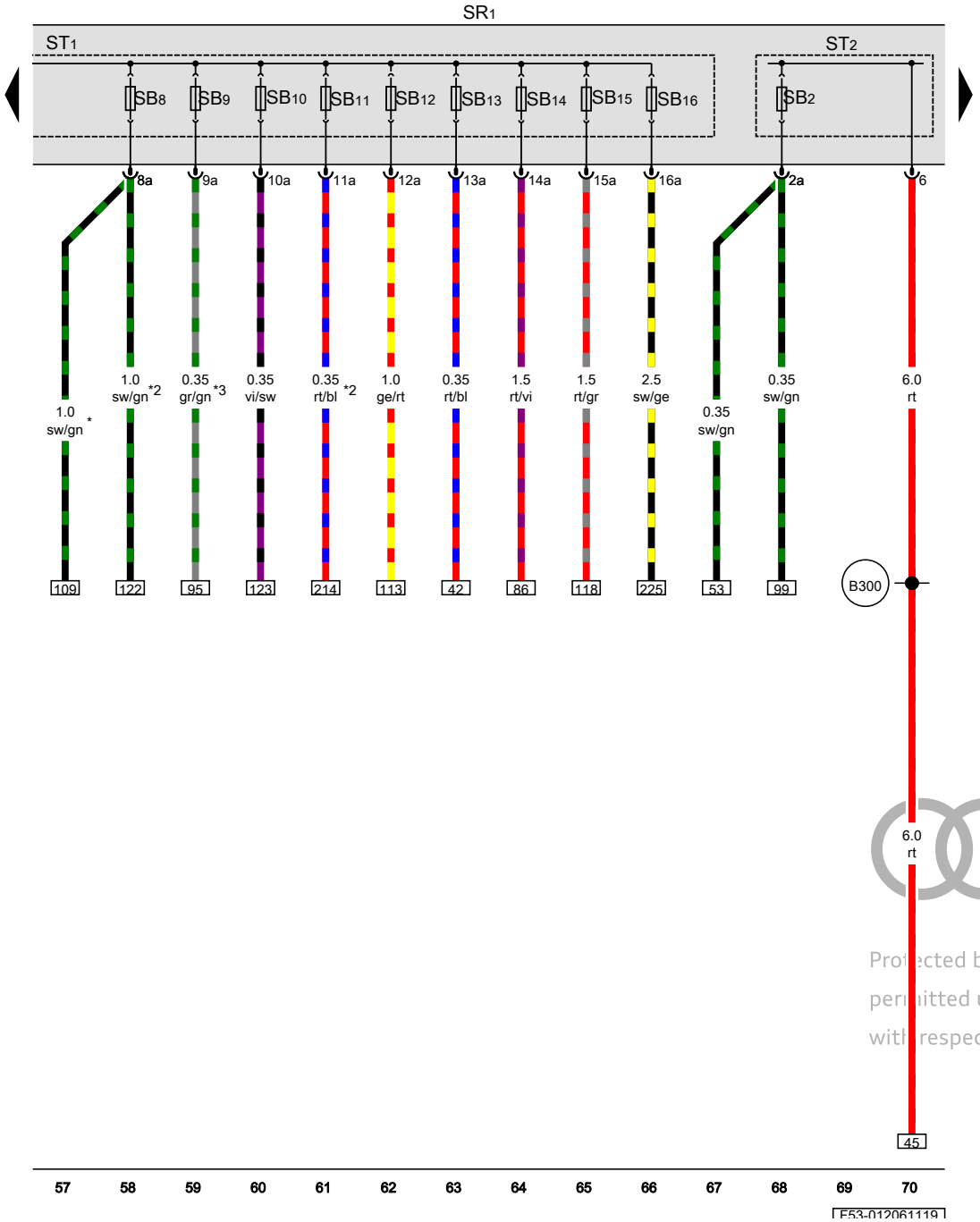

Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
B300	Positive connection 4 (30), in main wiring harness
*	For models with automatic gearbox
*2	For models with manual gearbox
*3	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
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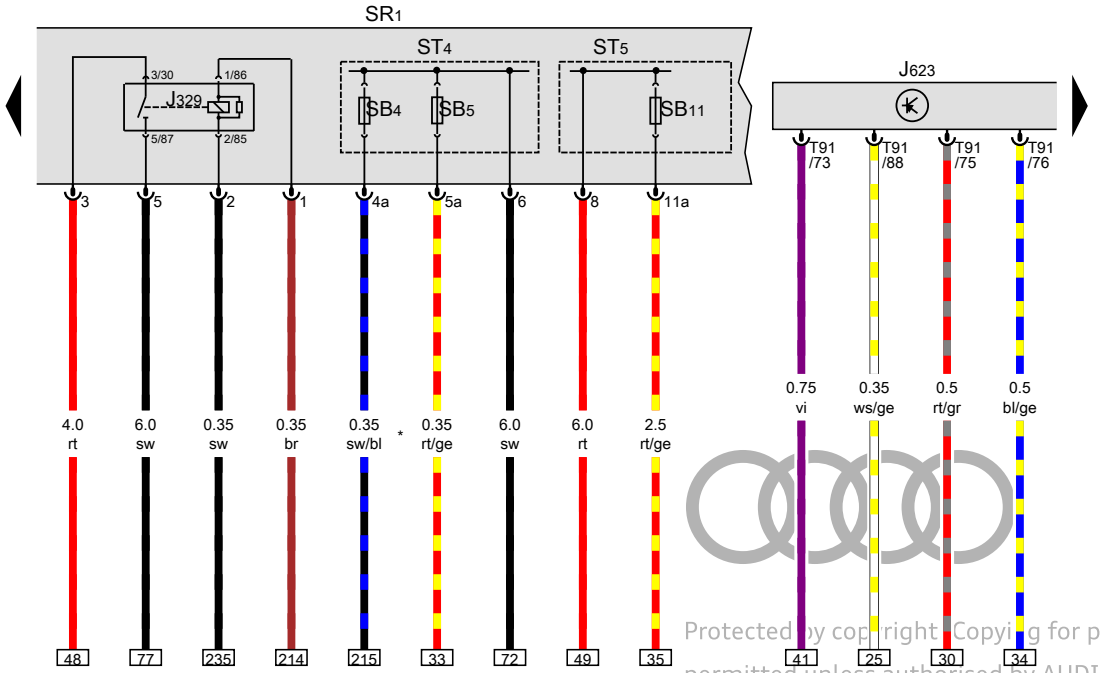

Terminal 15 voltage supply relay, Engine/motor control unit, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay
J623	Engine/motor control unit, front left in engine compartment
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5, red
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
T91	91-pin connector, black
*	For models with manual gearbox

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ro	=	red
rt	=	red
br	=	brown
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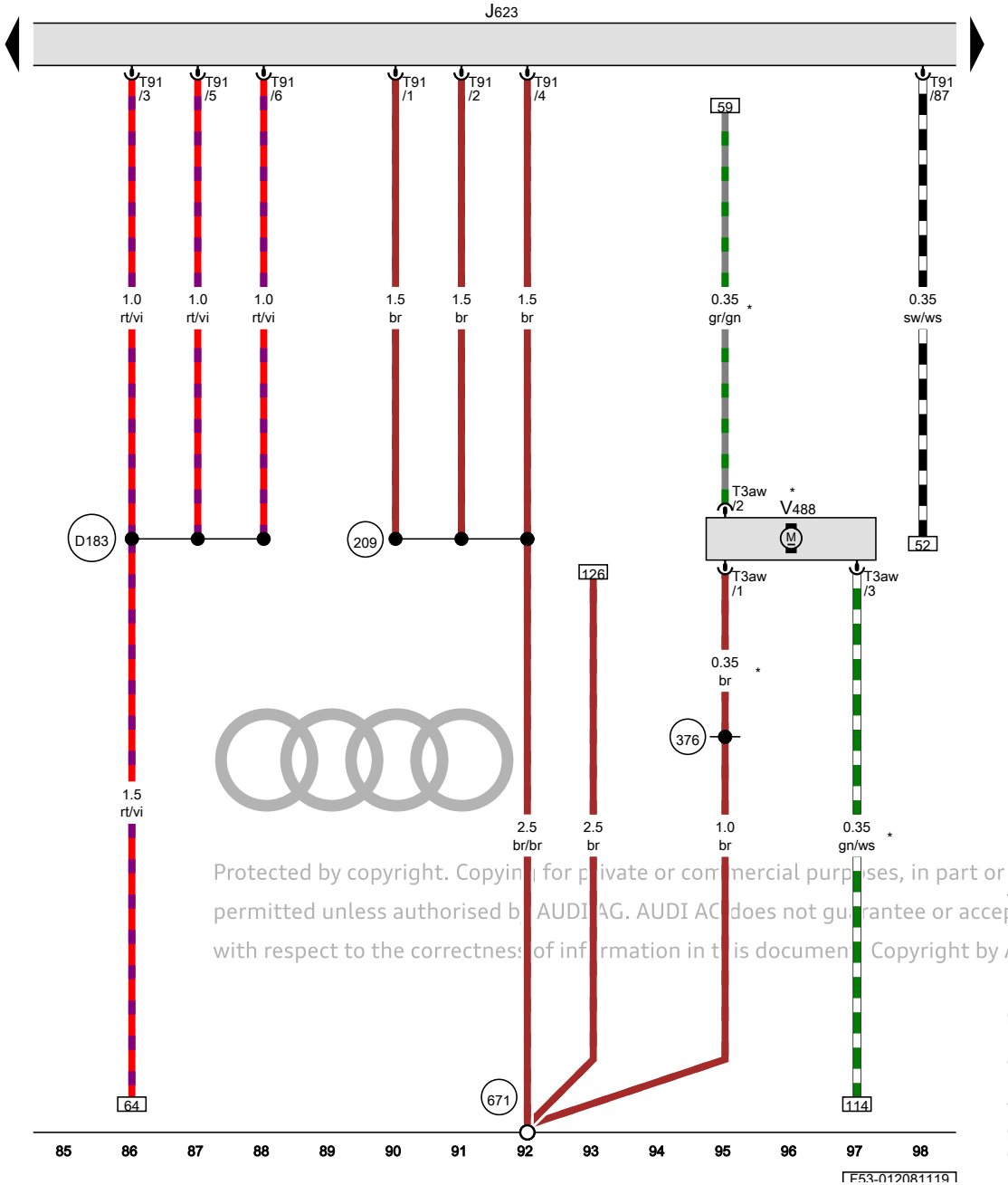

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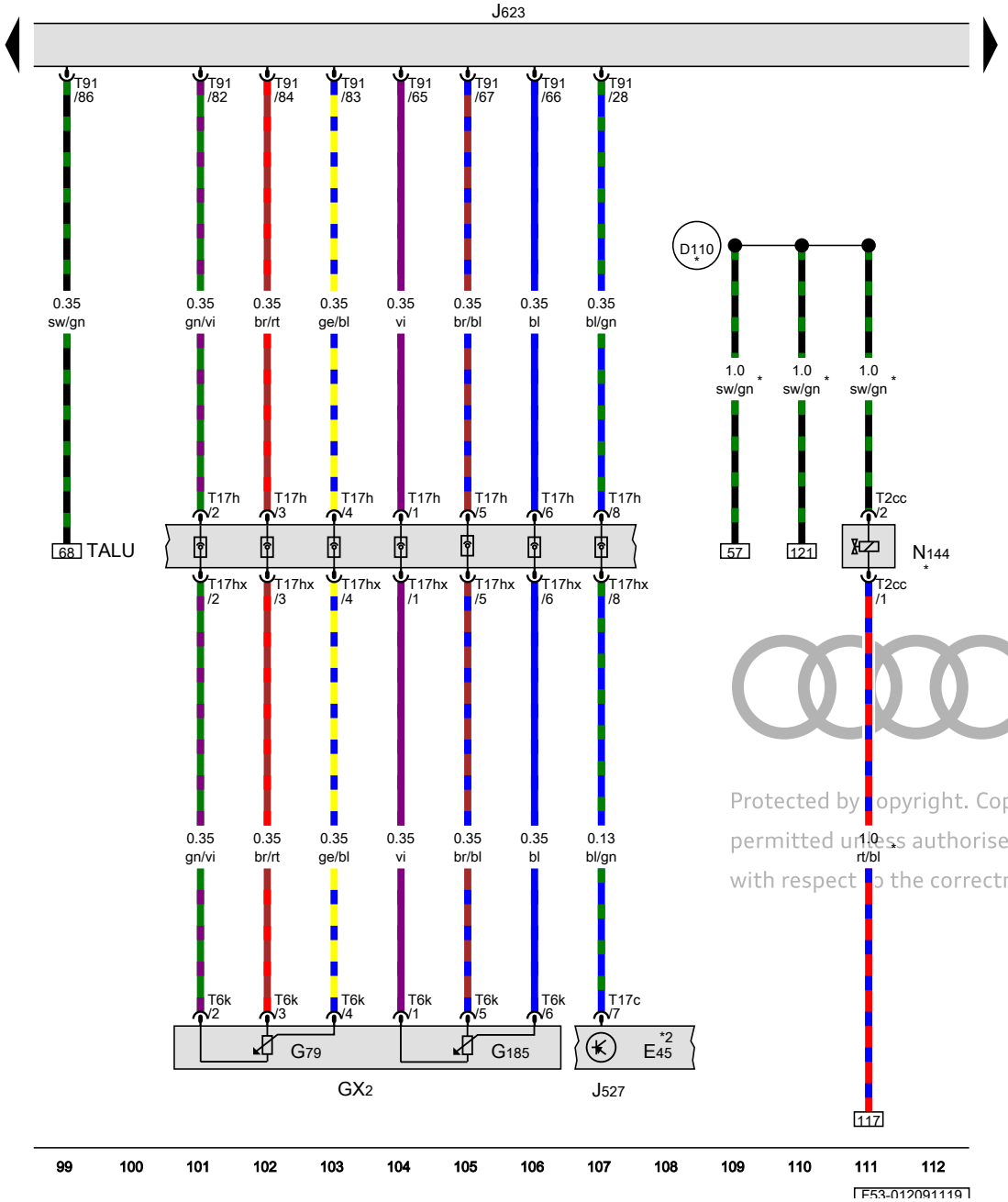
or = orange
rs = pink

Engine/motor control unit, Auxiliary pump for heating

J623	Engine/motor control unit, front left in engine compartment
T3aw	3-pin connector, black
T91	91-pin connector, black
V488	Auxiliary pump for heating
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
*	According to equipment



Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	For models with cruise control system (CCS)

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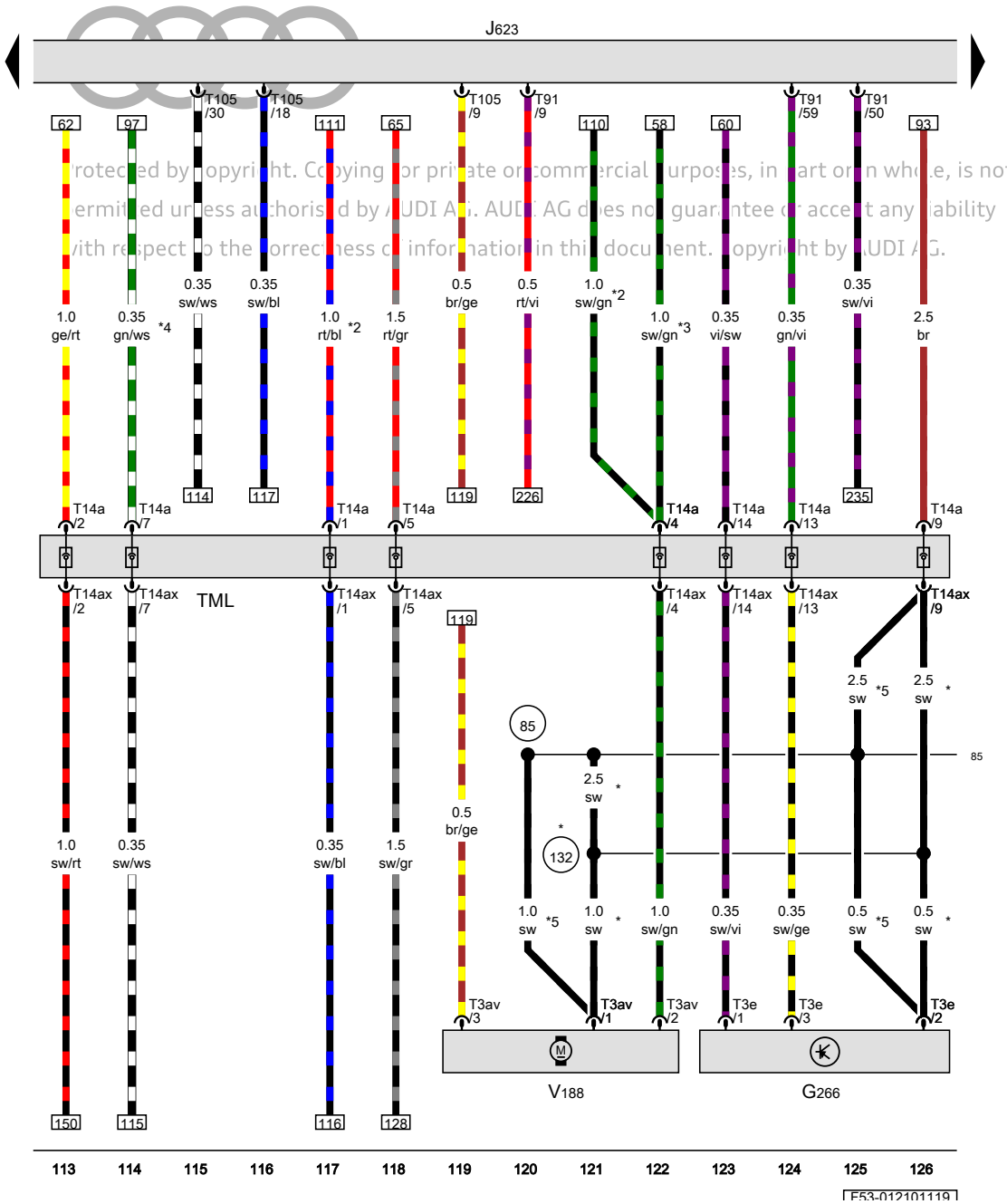

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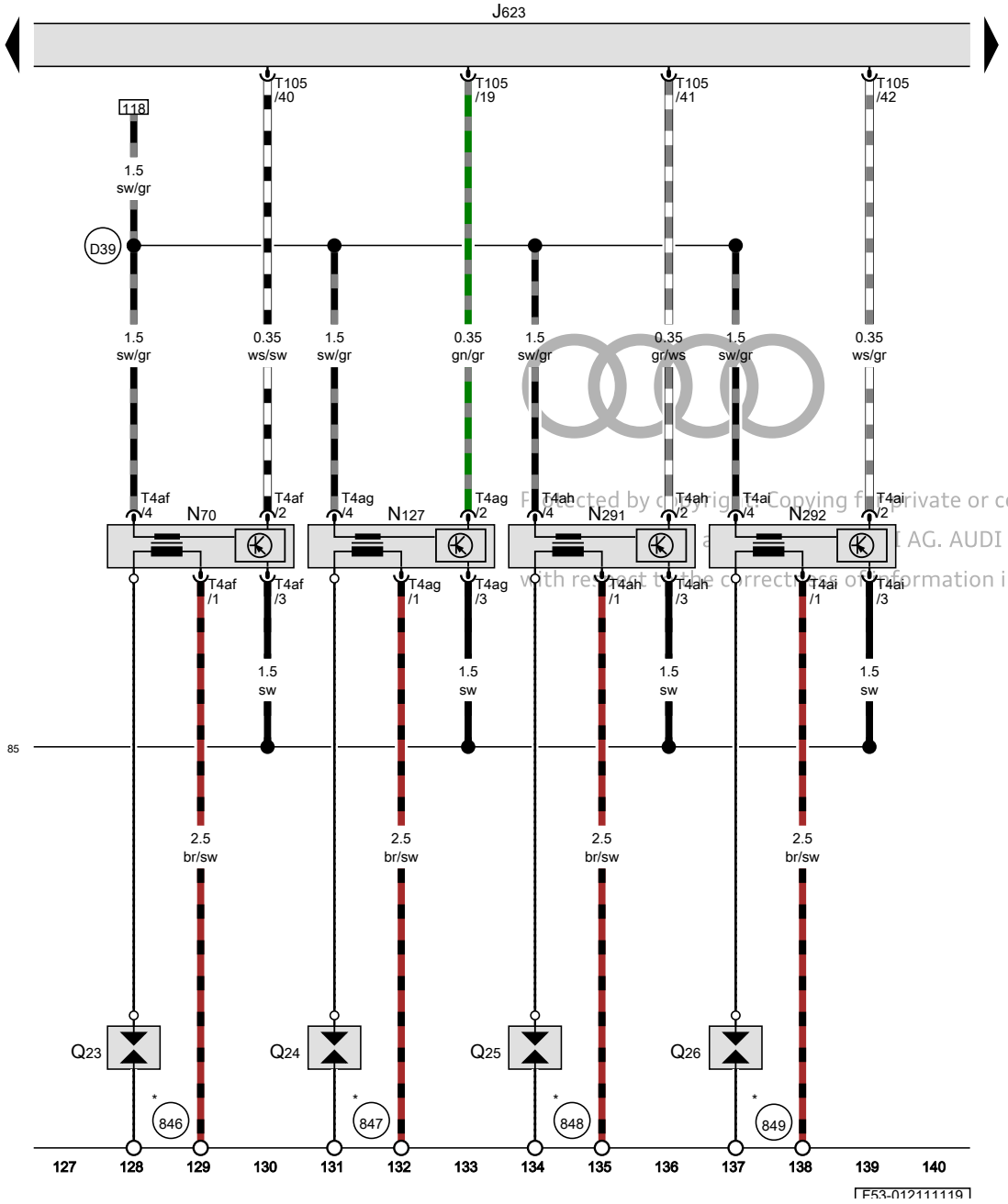
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Oil level and oil temperature sender, Engine/motor control unit, Charge air cooling pump

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3av	3-pin connector, black
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
V188	Charge air cooling pump
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
*	Gradually discontinued
*2	For models with automatic gearbox
*3	For models with manual gearbox
*4	According to equipment
*5	gradual introduction



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Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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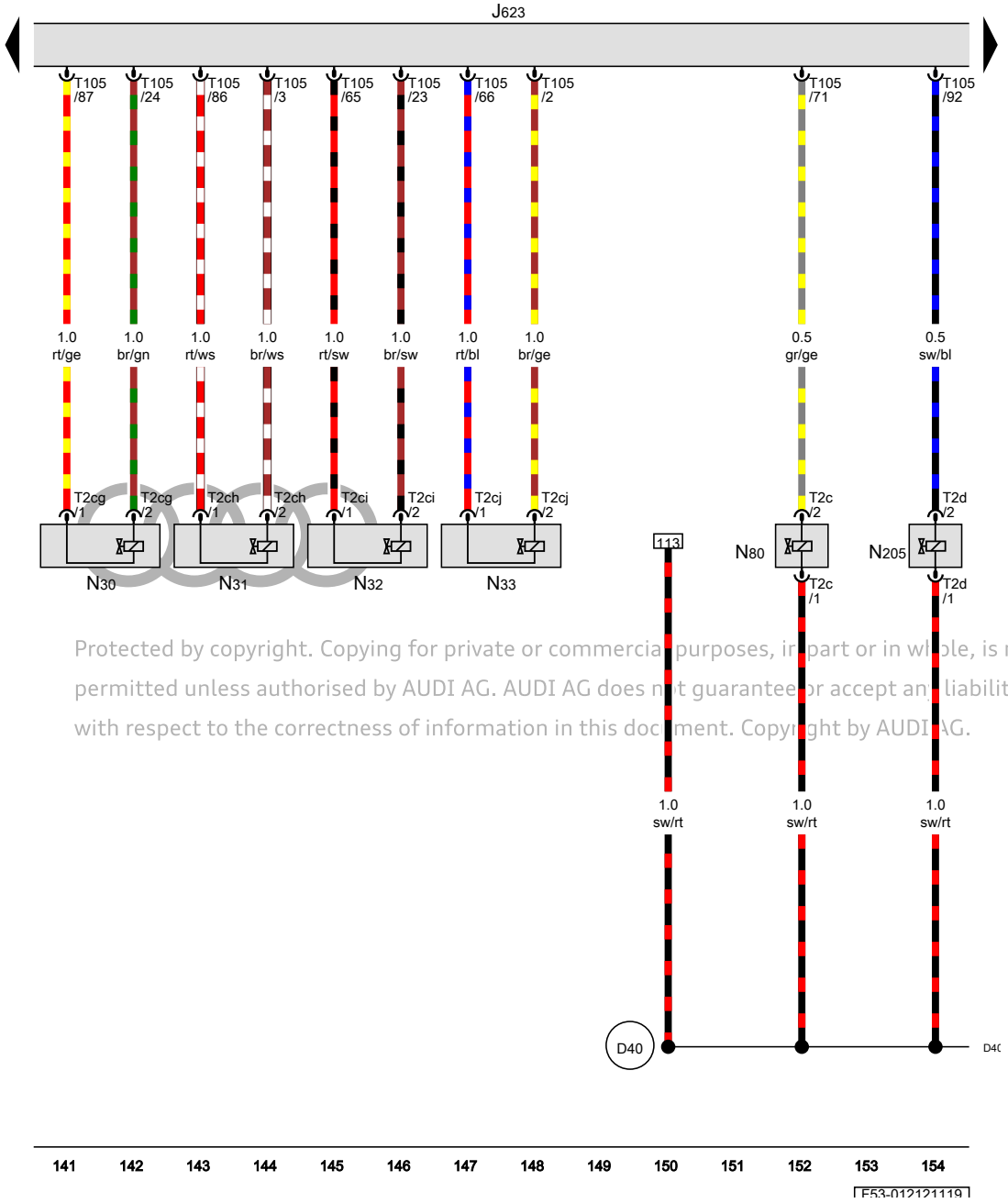

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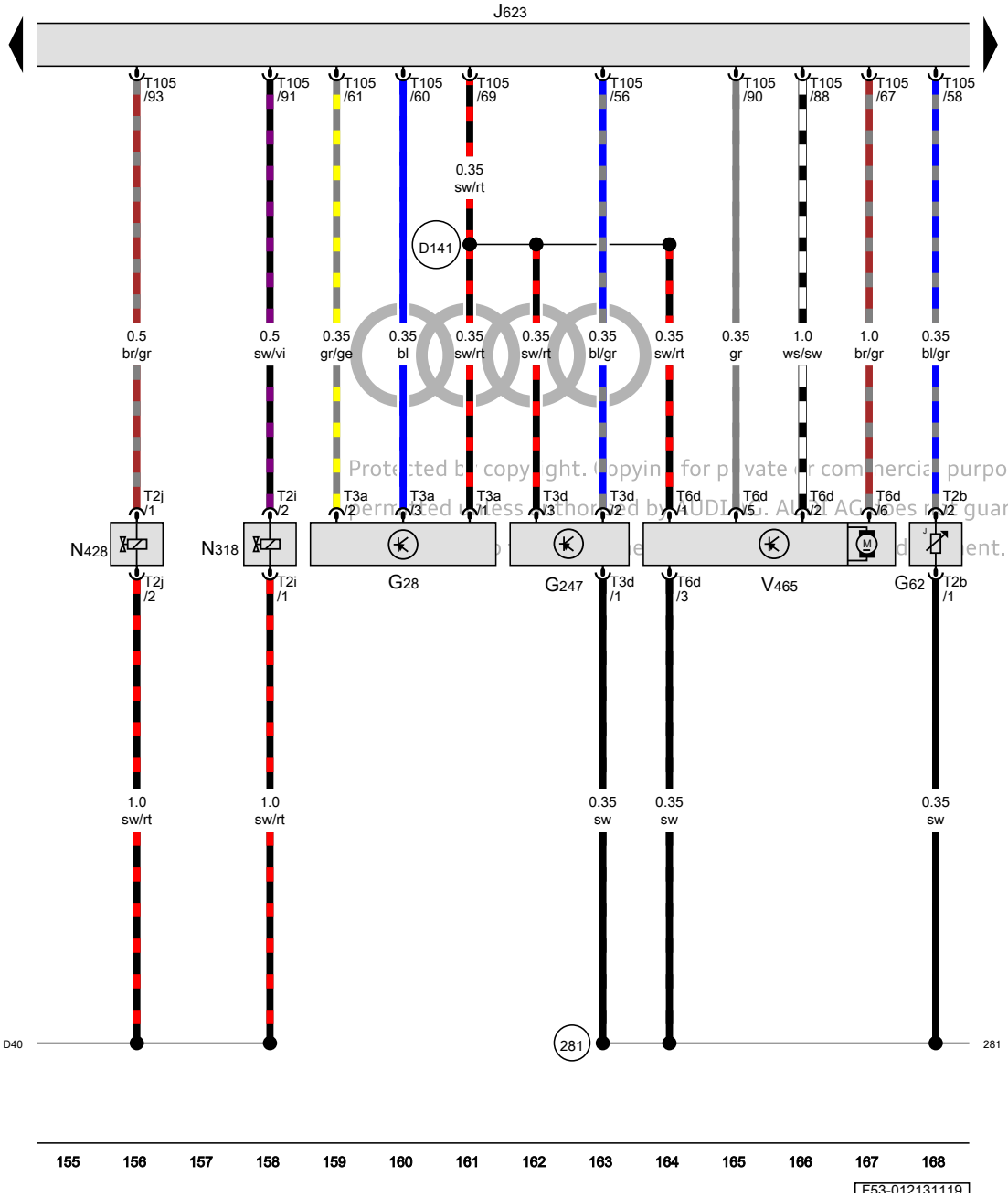
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Activated charcoal filter solenoid valve 1, Camshaft control valve 1

J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
T2c	2-pin connector, black
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T2d	2-pin connector, black
T105	105-pin connector, black
D40	Connection 2, in engine prewiring harness



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Engine speed sender, Coolant temperature sender, Fuel pressure sender, Engine/motor control unit, Exhaust camshaft control valve 1, Valve for oil pressure control, Charge pressure positioner

G28	Engine speed sender
G62	Coolant temperature sender
G247	Fuel pressure sender
J623	Engine/motor control unit, front left in engine compartment
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
T2b	2-pin connector, black
T2i	2-pin connector, black
T2j	2-pin connector, black
T3a	3-pin connector, black
T3d	3-pin connector, black
T6d	6-pin connector, grey
T105	105-pin connector, black
V465	Charge pressure positioner
281	Earth point 1, engine prewiring harness
D40	Connection 2, in engine prewiring harness
D141	Connection (5V) in engine prewiring harness

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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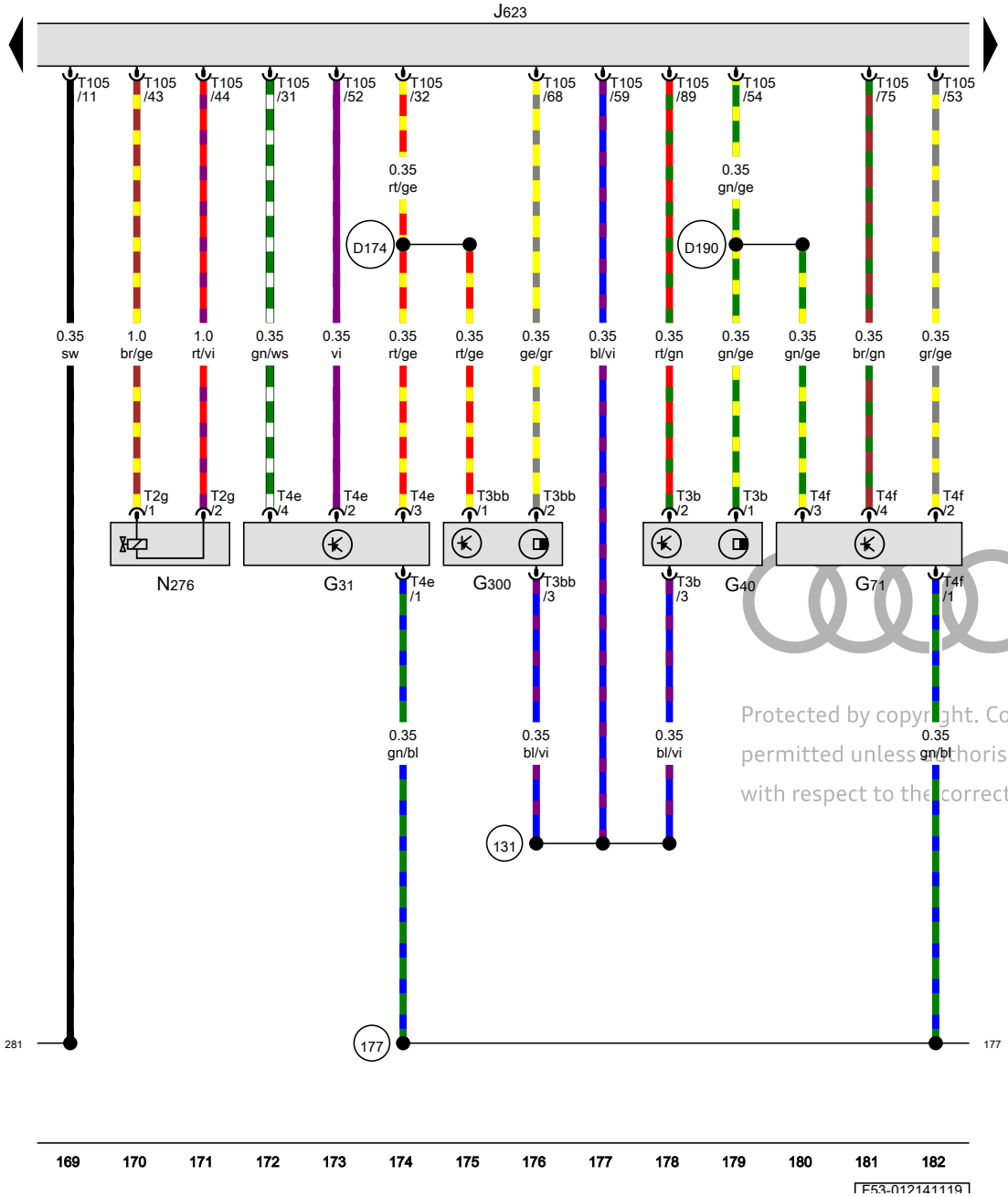

Charge pressure sender, Hall sender, Intake manifold pressure sender, Hall sender 3, Engine/motor control unit, Fuel pressure regulating valve

G31	Charge pressure sender
G40	Hall sender
G71	Intake manifold pressure sender
G300	Hall sender 3
J623	Engine/motor control unit, front left in engine compartment
N276	Fuel pressure regulating valve
T2g	2-pin connector, black
T3b	3-pin connector, black
T3bb	3-pin connector, black
T4e	4-pin connector, black
T4f	4-pin connector, black
T105	105-pin connector, black
131	Earth connection 2, in engine compartment wiring harness
177	Earth connection (intake manifold), in engine compartment wiring harness
281	Earth point 1, engine prewiring harness
D174	Connection 2 (5V) in engine prewiring harness
D190	Connection 3 (5V) in engine prewiring harness

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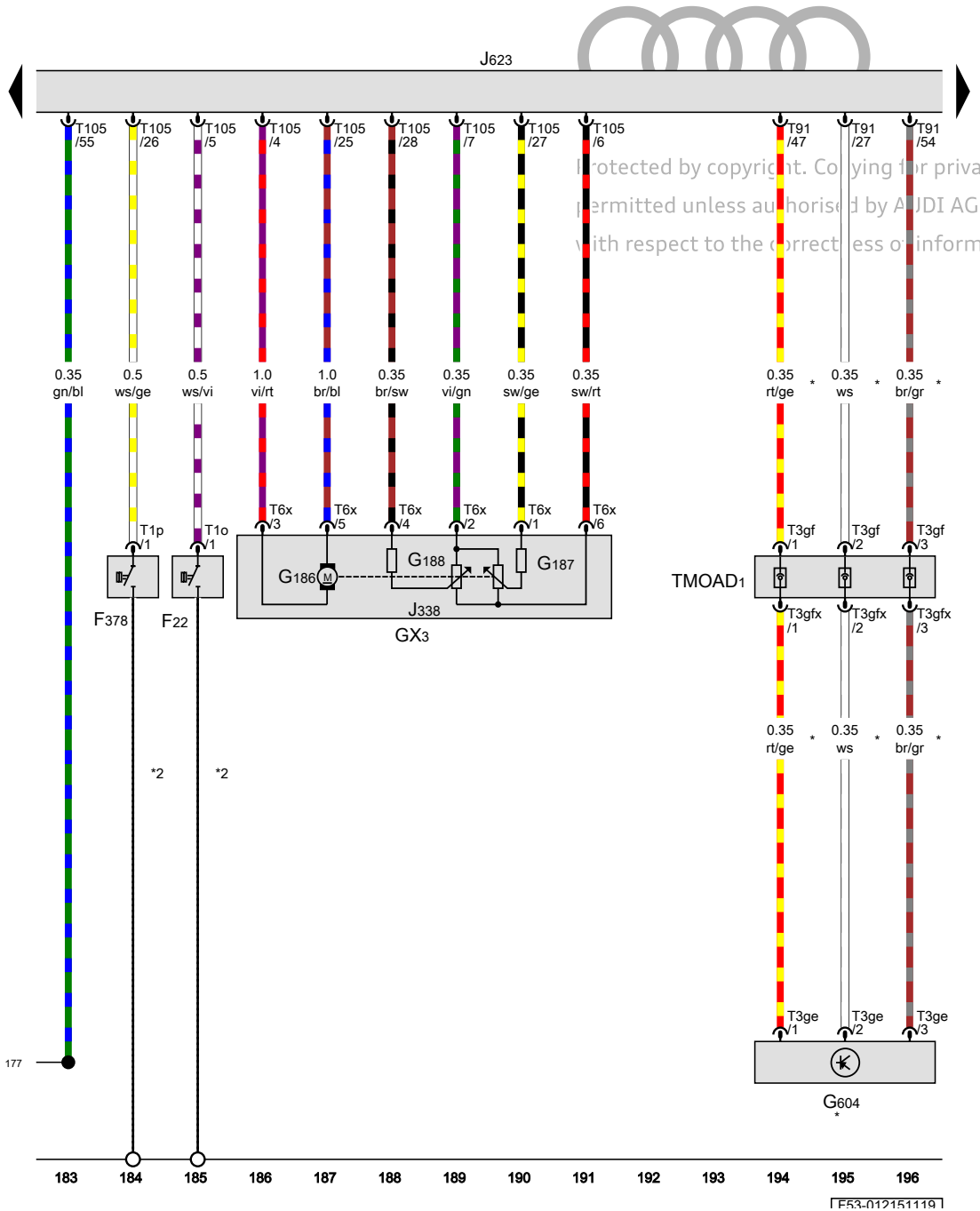

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Oil pressure switch, Oil pressure switch for reduced oil pressure, Throttle valve module, Gear detection sensor, Engine/motor control unit

F22	Oil pressure switch
F378	Oil pressure switch for reduced oil pressure
GX3	Throttle valve module
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
G604	Gear detection sensor
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T1o	1-pin connector, dark blue
T1p	1-pin connector, black
T3ge	3-pin connector, black, brown
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
T6x	6-pin connector, black
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T91	91-pin connector, black
T105	105-pin connector, black
177	Earth connection (intake manifold), in engine compartment wiring harness
*	For models with manual gearbox
*2	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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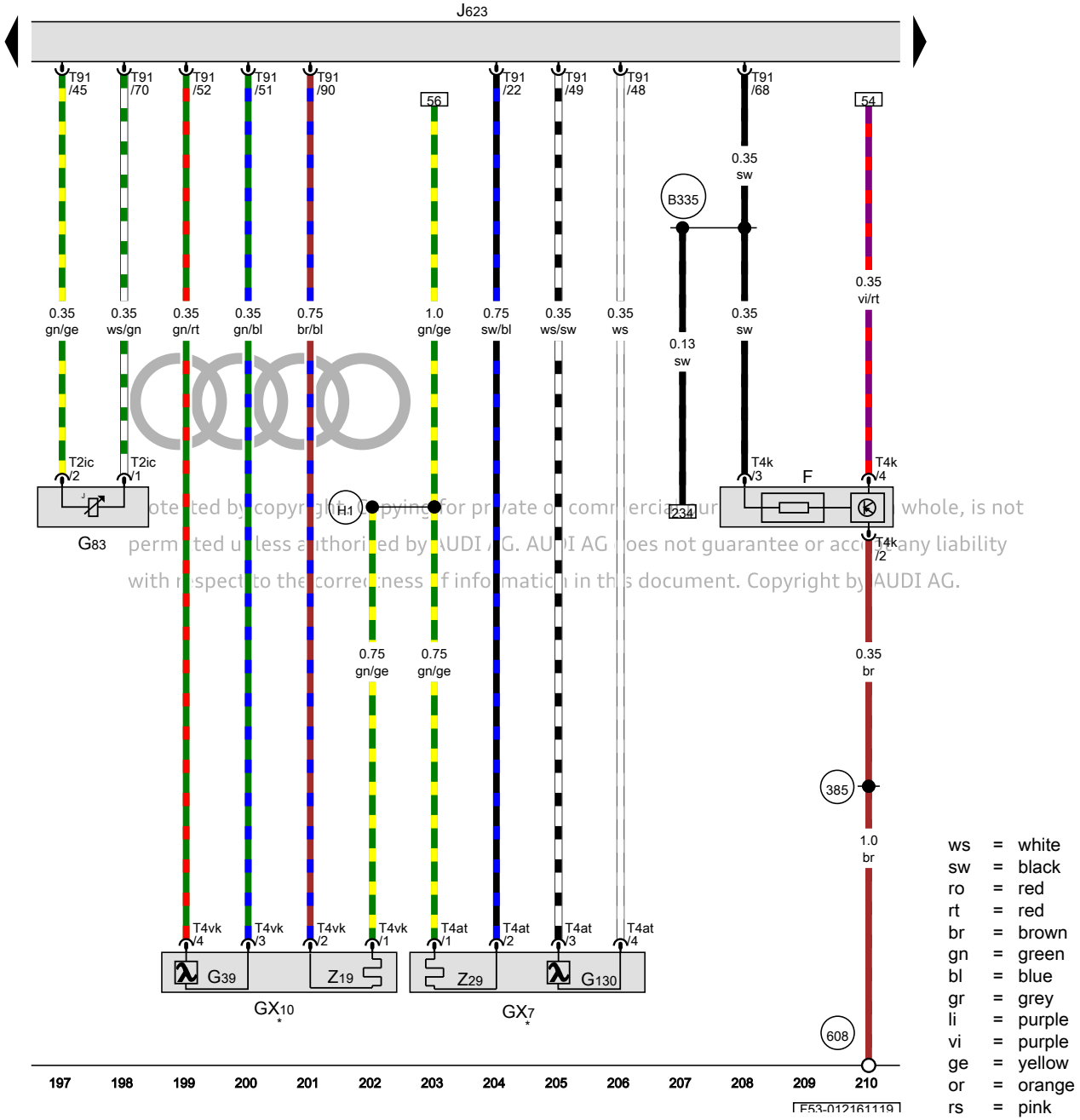

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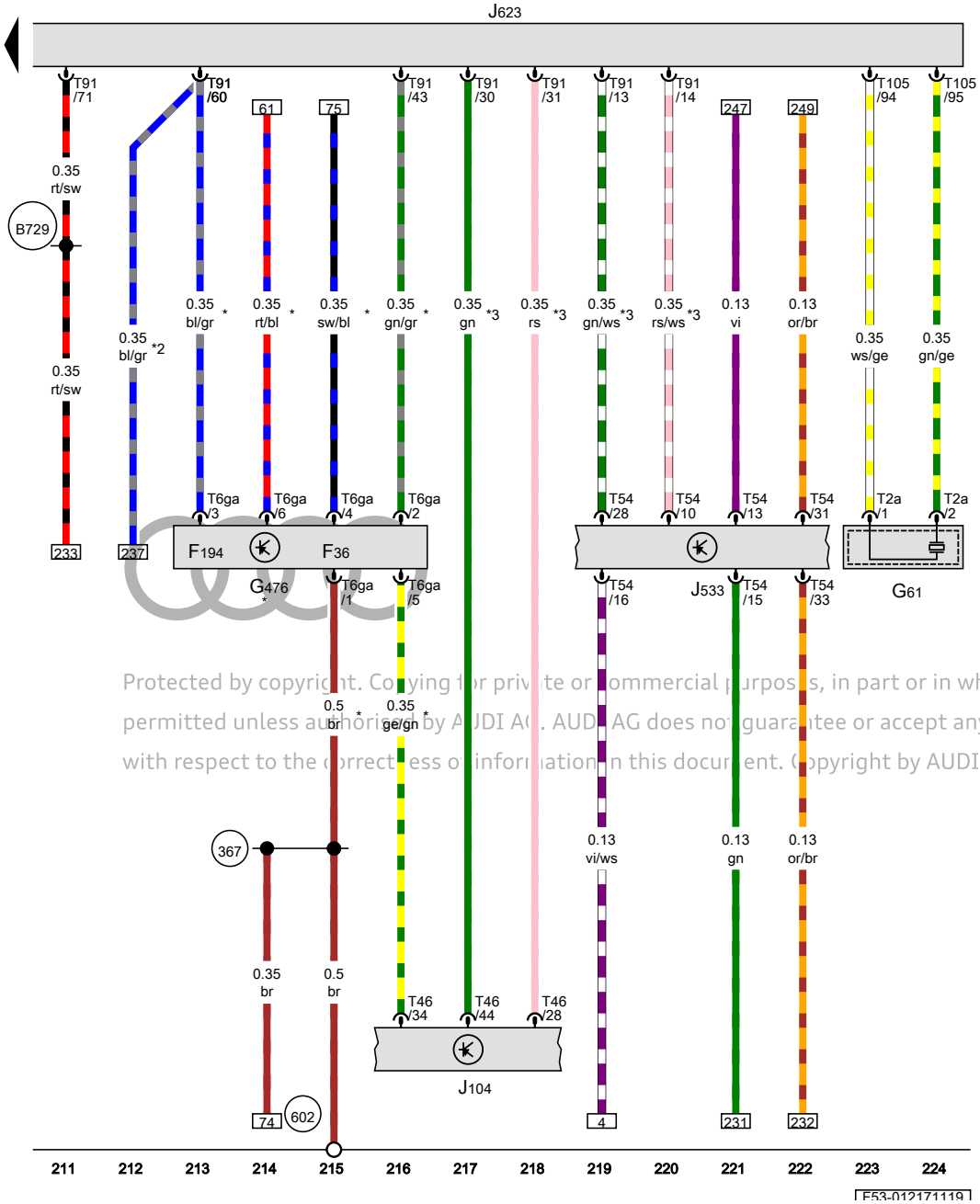
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Brake light switch, Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Radiator outlet coolant temperature sender, Engine/motor control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

F	Brake light switch, on brake servo
GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G83	Radiator outlet coolant temperature sender
G130	Lambda probe after catalytic converter
J623	Engine/motor control unit, front left in engine compartment
T2ic	2-pin connector, black
T4at	4-pin connector, brown
T4k	4-pin connector, black
T4vk	4-pin connector, black
T91	91-pin connector, black
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
H1	Positive connection, in Lambda wiring harness
*	Pre-wired component

Clutch pedal switch, Clutch pedal switch for engine start, Knock sensor 1, Clutch position sender, Data bus diagnostic interface, Engine/motor control unit



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F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
G61	Knock sensor 1
G476	Clutch position sender
J104	ABS control unit
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
T2a	2-pin connector, black
T6ga	6-pin connector, black
T46	46-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
B729	Connection 1 (50), in main wiring harness
*	For models with manual gearbox
*2	For models with automatic gearbox
*3	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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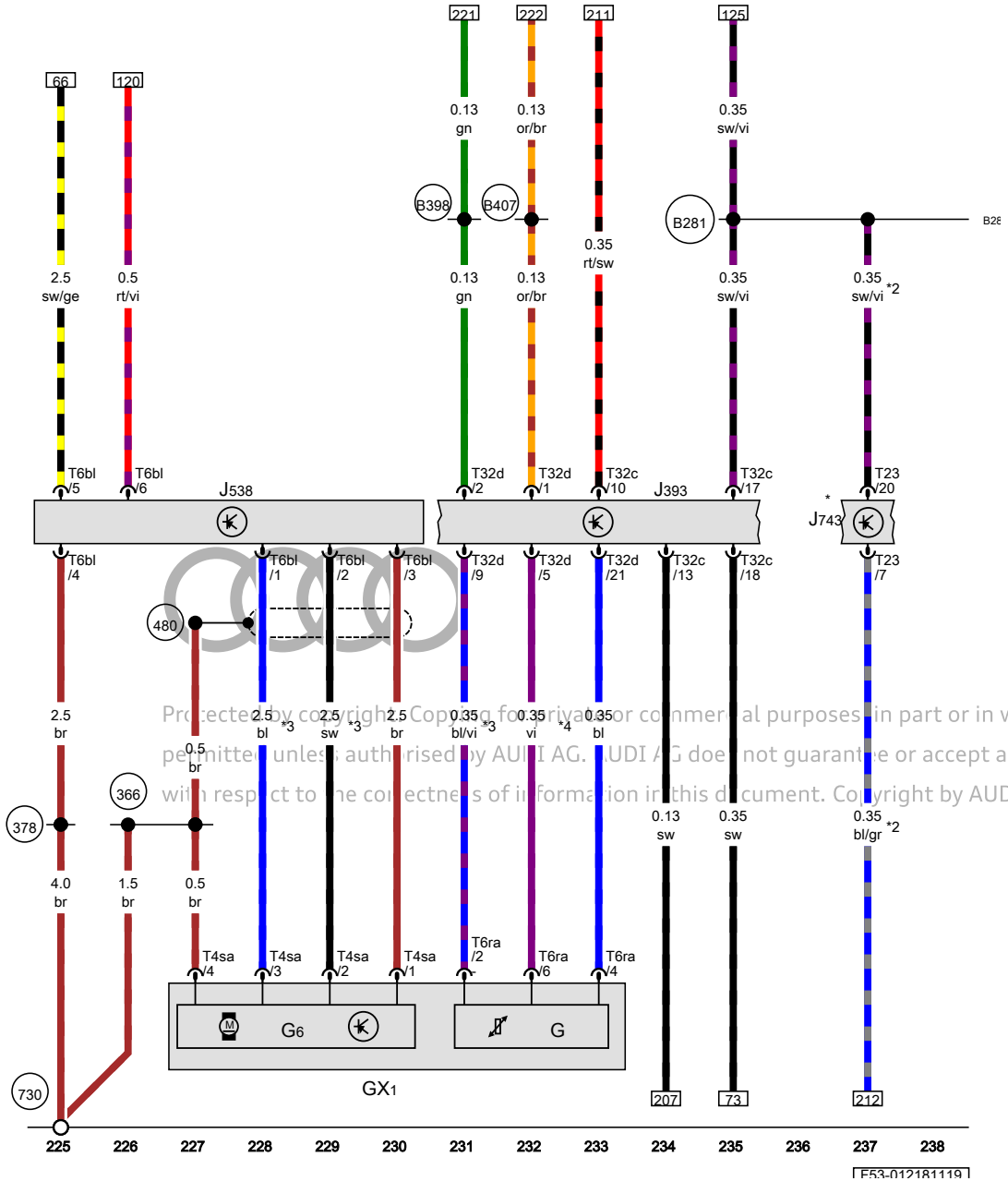
Fuel delivery unit, Mechatronic unit for dual clutch gearbox



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gn	=	green
bl	=	blue
gr	=	grey
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vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
J393	Convenience system central control unit
J538	Fuel pump control unit
J743	Mechatronic unit for dual clutch gearbox
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T23	23-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	For models with automatic gearbox
*3	Wiring colour depends on equipment
*4	According to equipment

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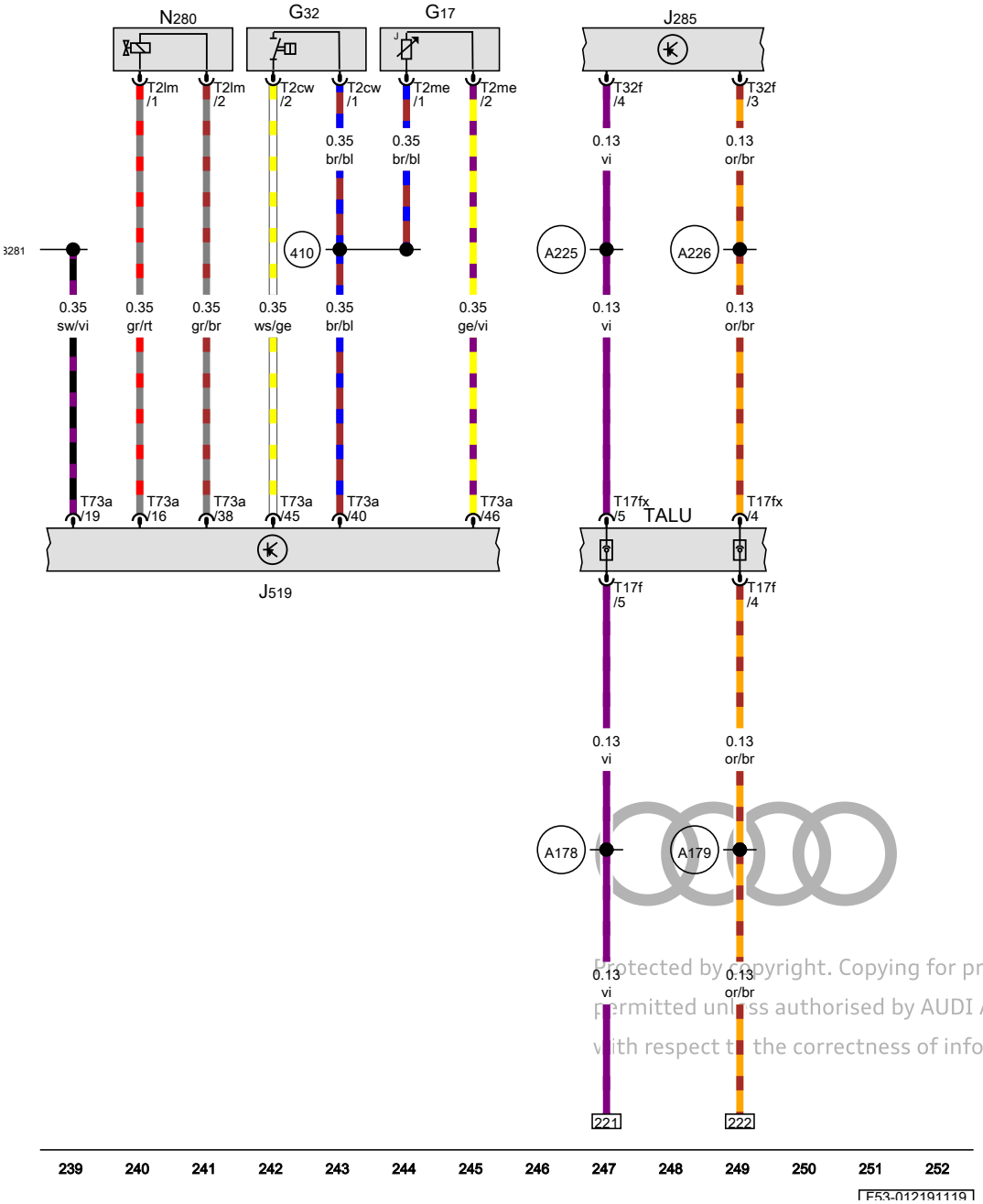

Coolant shortage indicator sender, Control unit in dash panel insert, Onboard supply control unit, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
J285	Control unit in dash panel insert
J519	Onboard supply control unit
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2lm	2-pin connector, black
T2me	2-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
T73a	73-pin connector, black
TALU	Coupling point on left A-pillar, bottom
410	Earth connection 1 (sender earth) in main wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B281	Positive connection 5 (15a) in main wiring harness

ws	=	white
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ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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or	=	orange
rs	=	pink

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2.0l petrol engine , CVKB,CVKC

From July 2016

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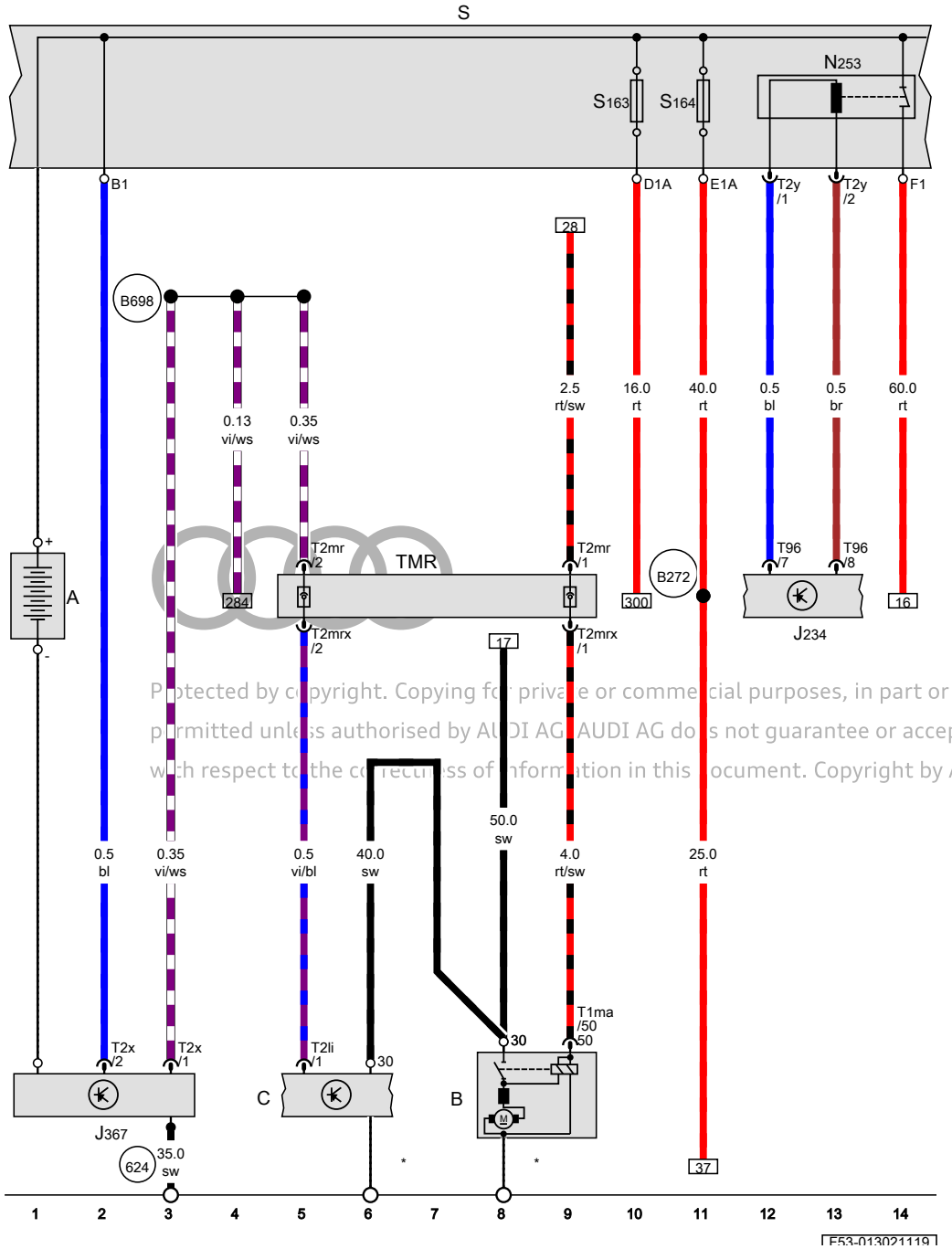

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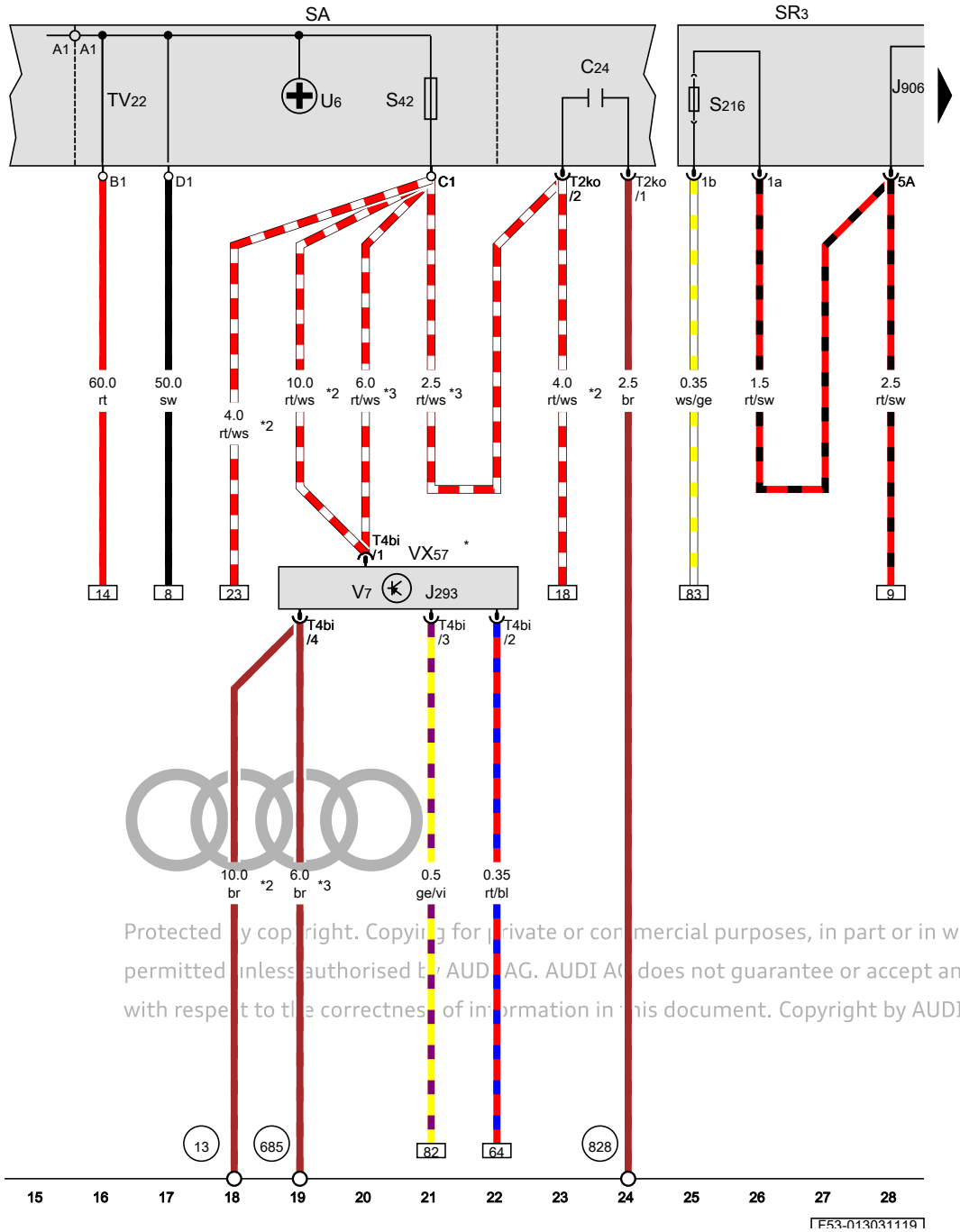
F53-0130211191

Battery, Starter, Alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C	Alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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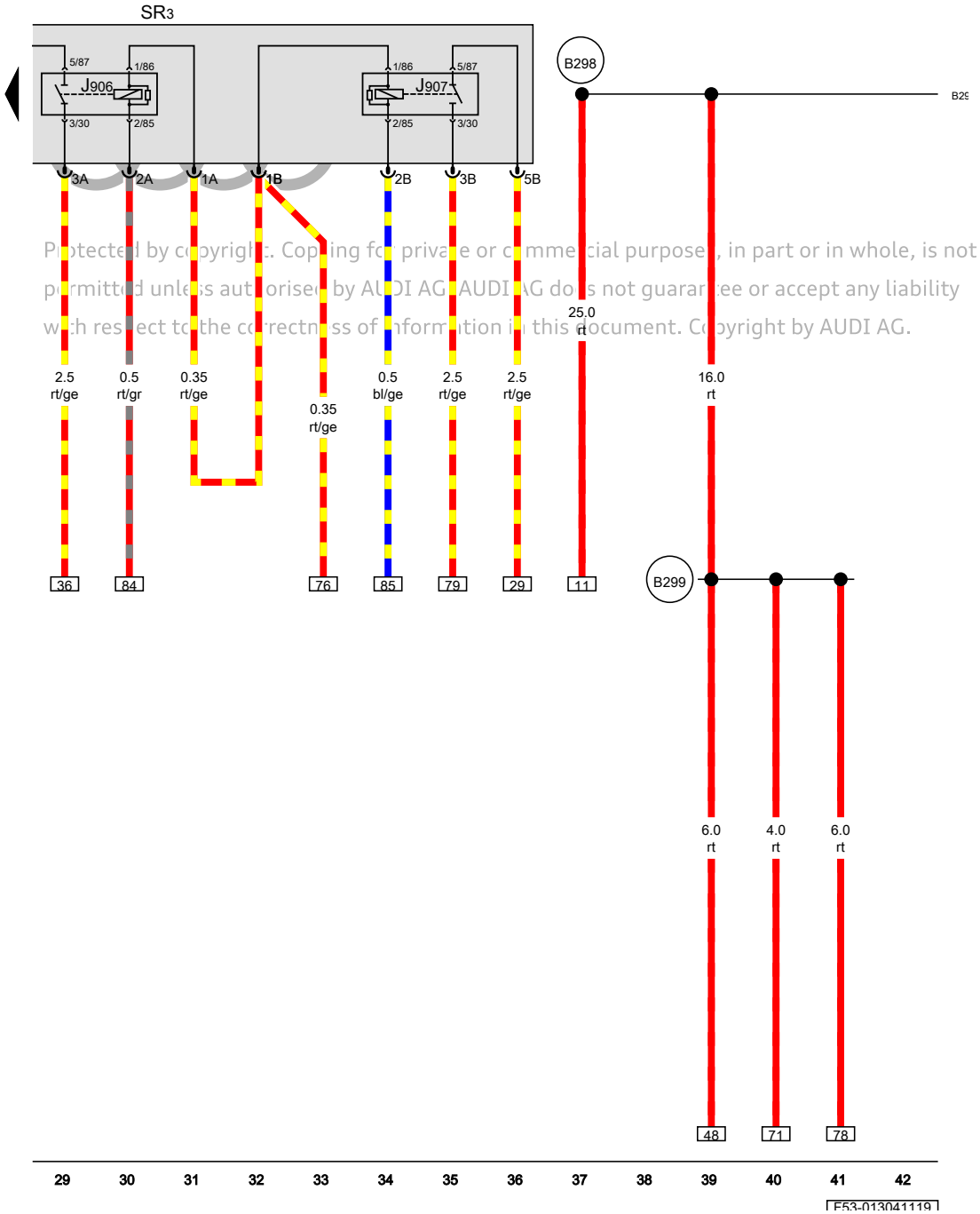
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Starter relay 1, Relay and fuse carrier 3, Fuse (50), Fuse holder A, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
J906	Starter relay 1, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S42	Radiator fan single fuse
S216	Fuse (50), central in plenum chamber
SA	Fuse holder A, front right in engine compartment
T2ko	2-pin connector, black
T4bi	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with increased fan output
*3	For models with low fan output



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Starter relay 1, Starter relay 2, Relay and fuse carrier 3

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
li	=	purple
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ge	=	yellow
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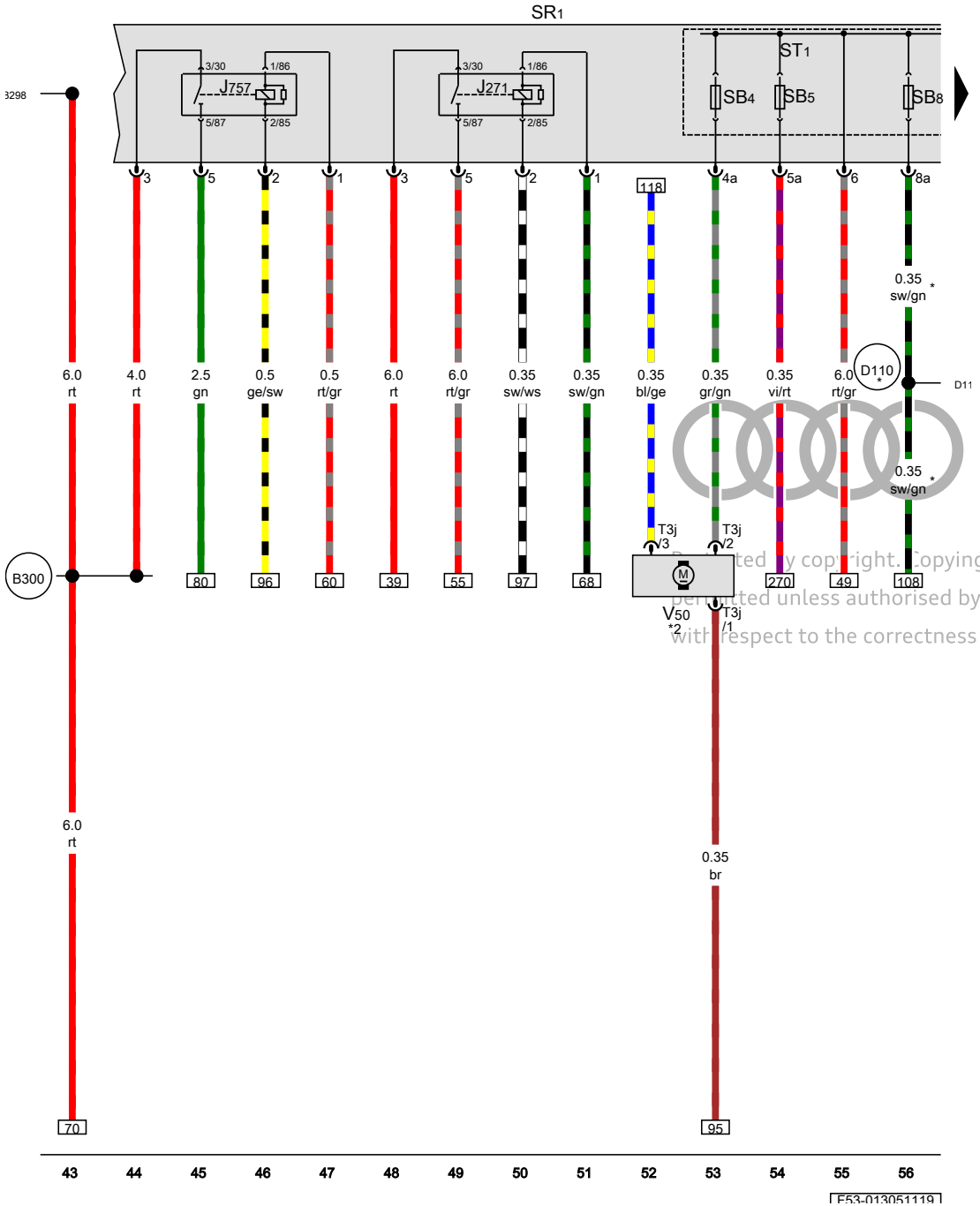

Main relay, Engine component current supply relay, Relay and fuse carrier 1, Coolant circulation pump

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB8	Fuse 8 on fuse holder B
T3j	3-pin connector, black
V50	Coolant circulation pump
B298	Positive connection 2 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	Heater support function

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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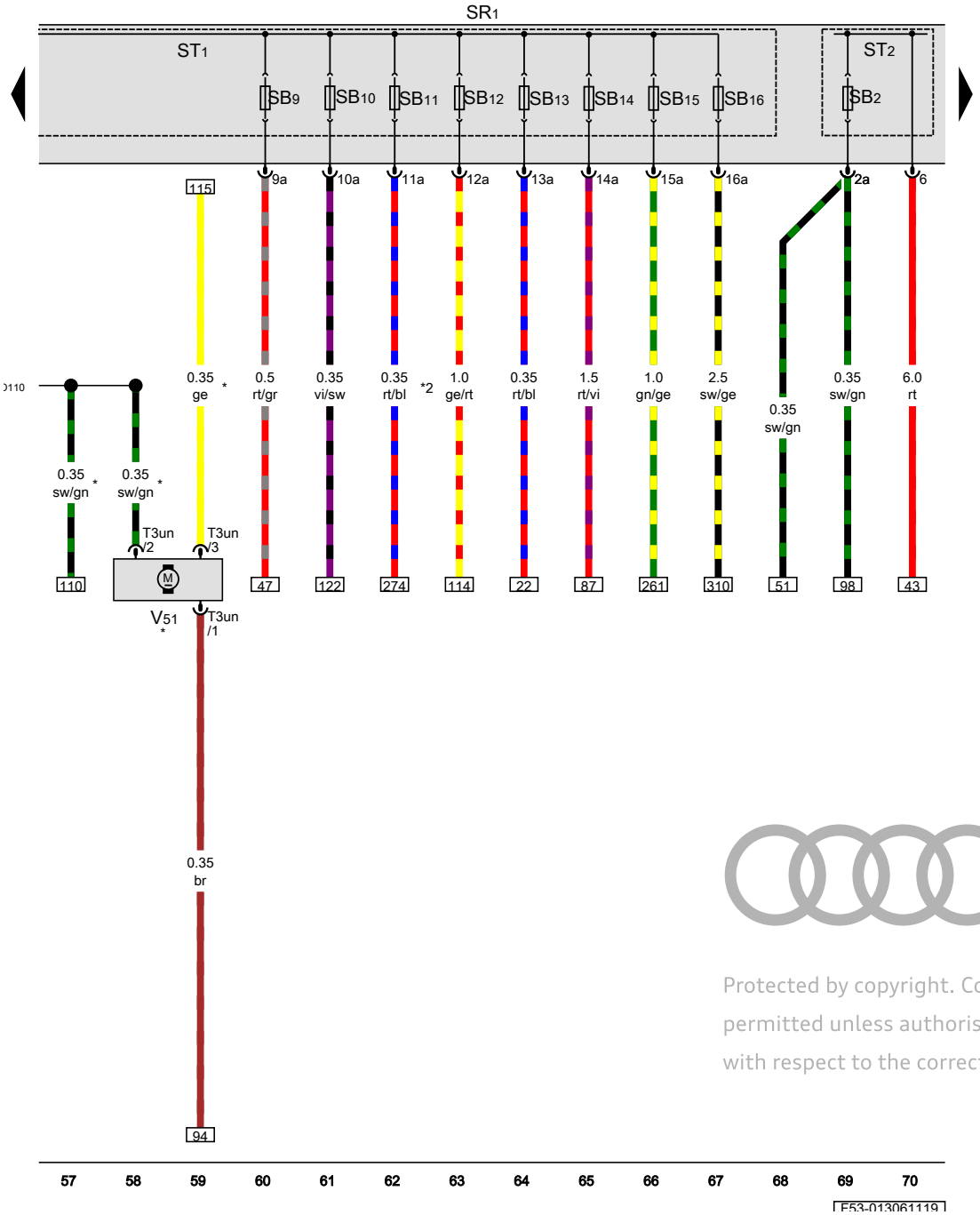

Relay and fuse carrier 1, Continued coolant circulation pump

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
T3un	3-pin connector, black
V51	Continued coolant circulation pump
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	For models with manual gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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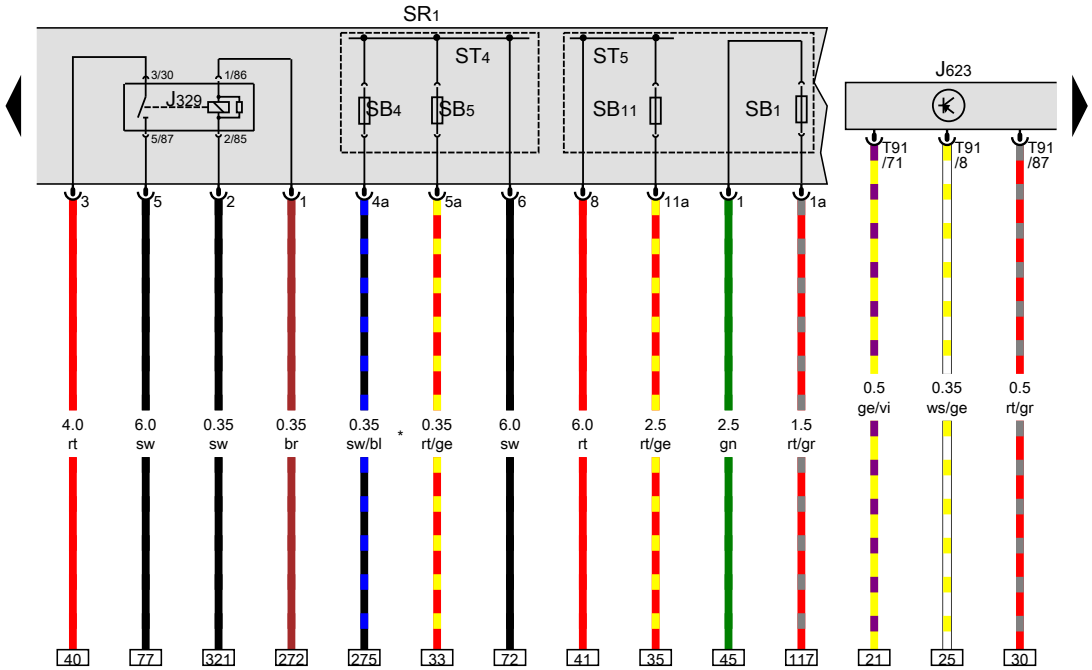

Terminal 15 voltage supply relay, Engine/motor control unit, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
J623	Engine/motor control unit, front left in engine compartment
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5, red
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
T91	91-pin connector, black
*	For models with manual gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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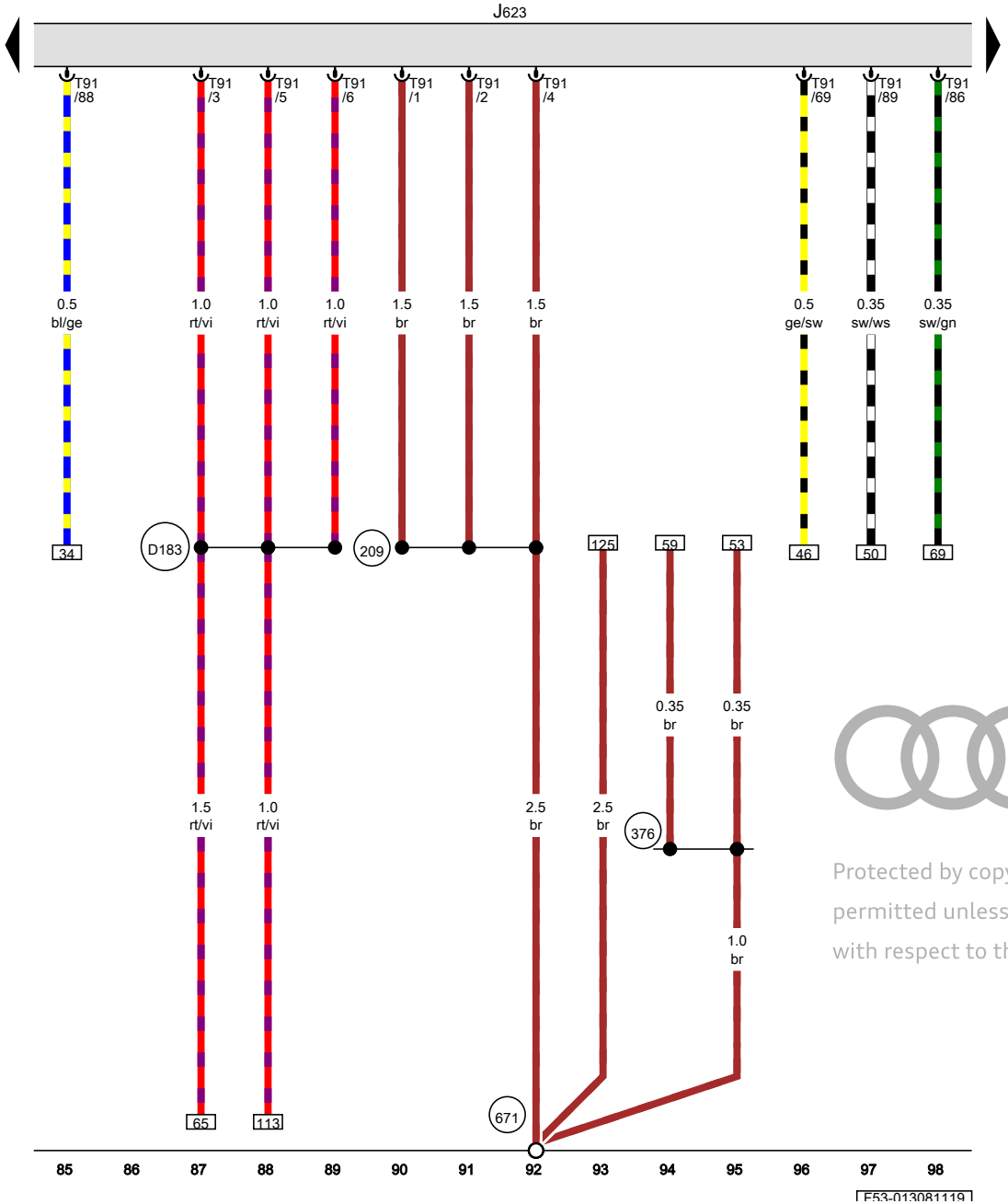

Engine/motor control unit

J623	Engine/motor control unit, front left in engine compartment
T91	91-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness

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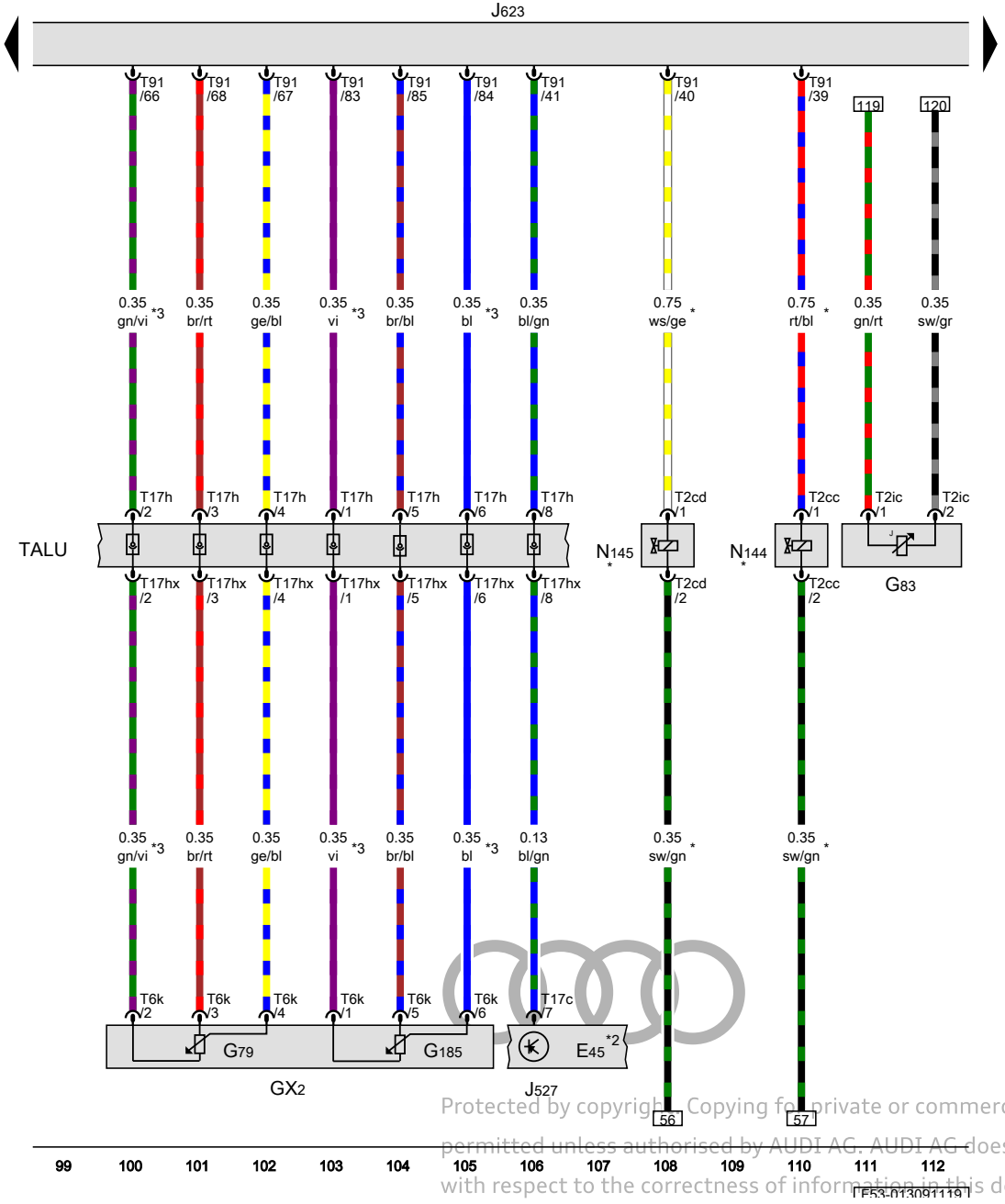

Accelerator pedal module, Radiator outlet coolant temperature sender, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G83	Radiator outlet coolant temperature sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T2ic	2-pin connector, black
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with automatic gearbox
*2	For models with cruise control system (CCS)
*3	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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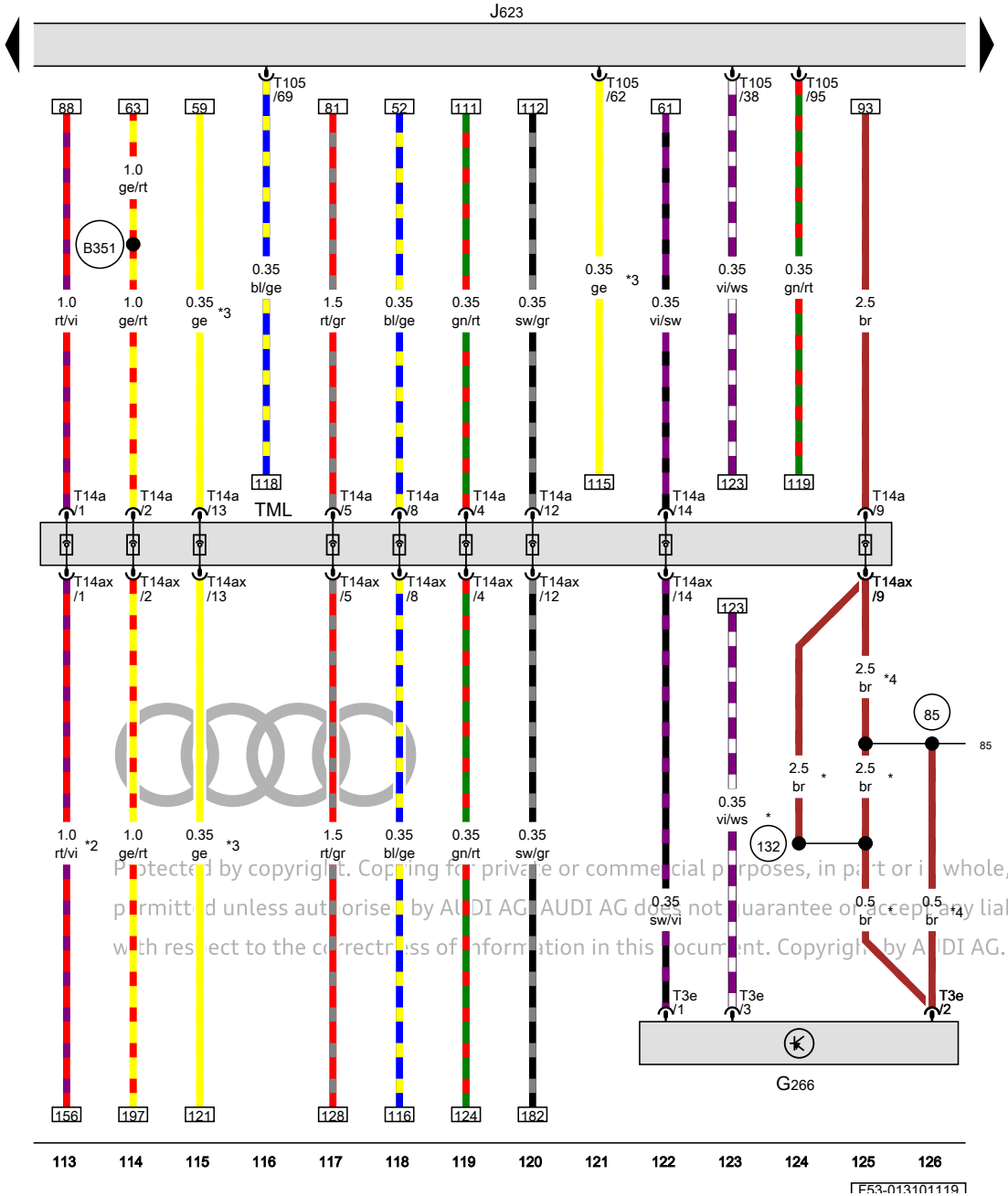

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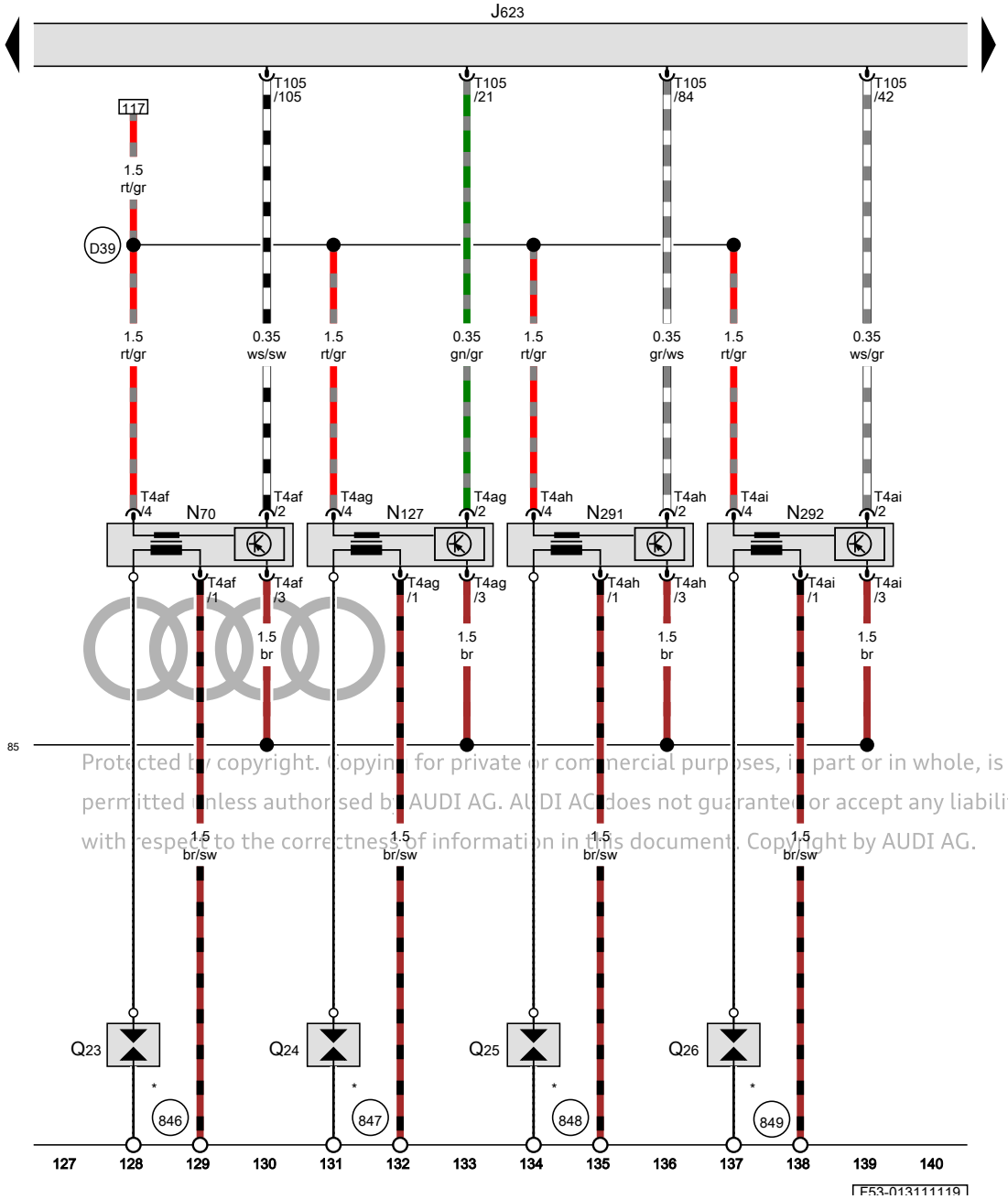
Oil level and oil temperature sender, Engine/motor control unit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
B351	Positive connection 2 (87a) in main wiring harness
*	Gradually discontinued
*2	For models with Euro 6 plus emission standard
*3	For models with automatic gearbox
*4	gradual introduction



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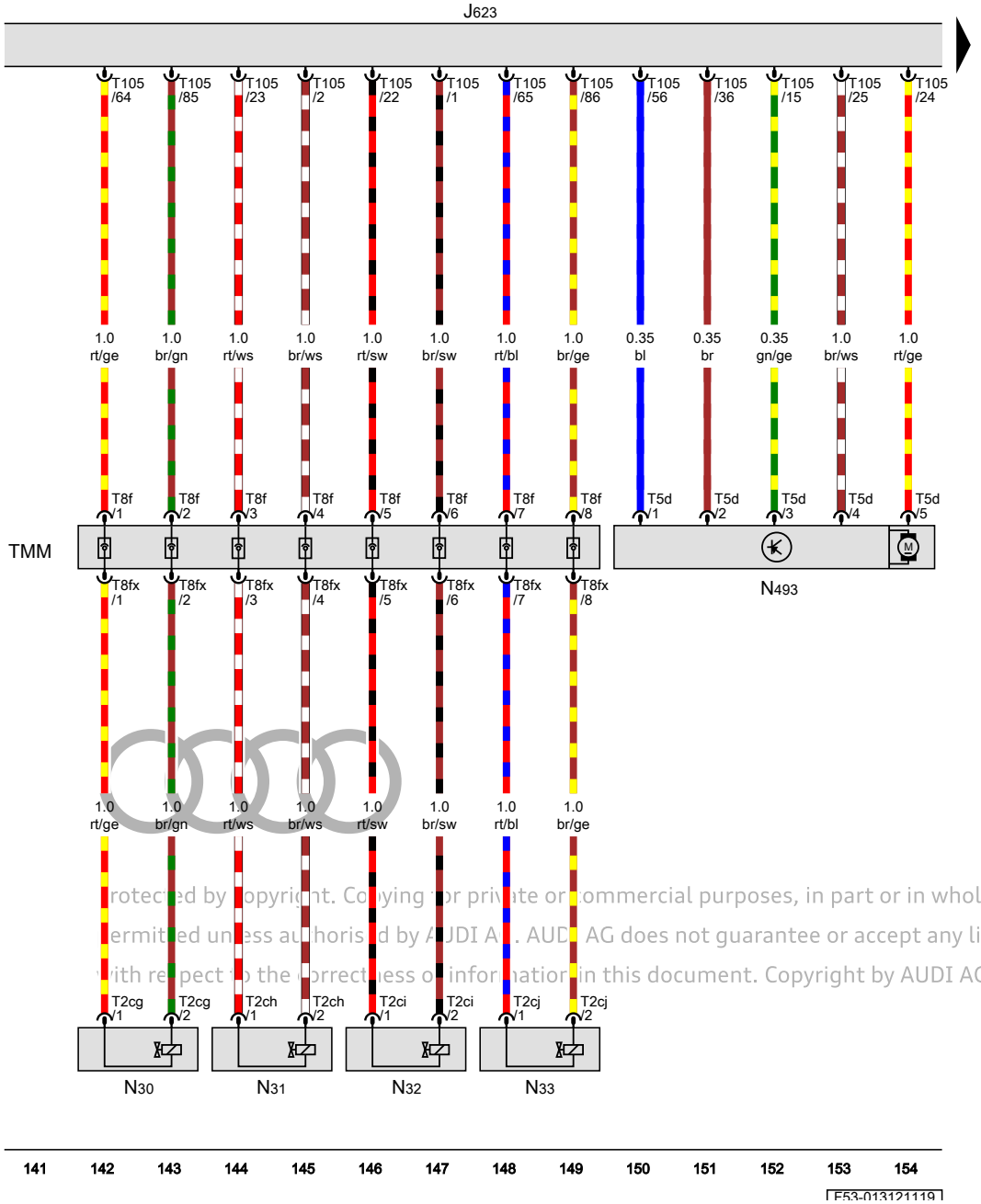
Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing



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Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Actuator for engine temperature regulation

J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N493	Actuator for engine temperature regulation
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T5d	5-pin connector, black
T8f	8-pin connector, black
T8fx	8-pin connector, black
T105	105-pin connector, black
TMM	Coupling point in engine compartment, centre

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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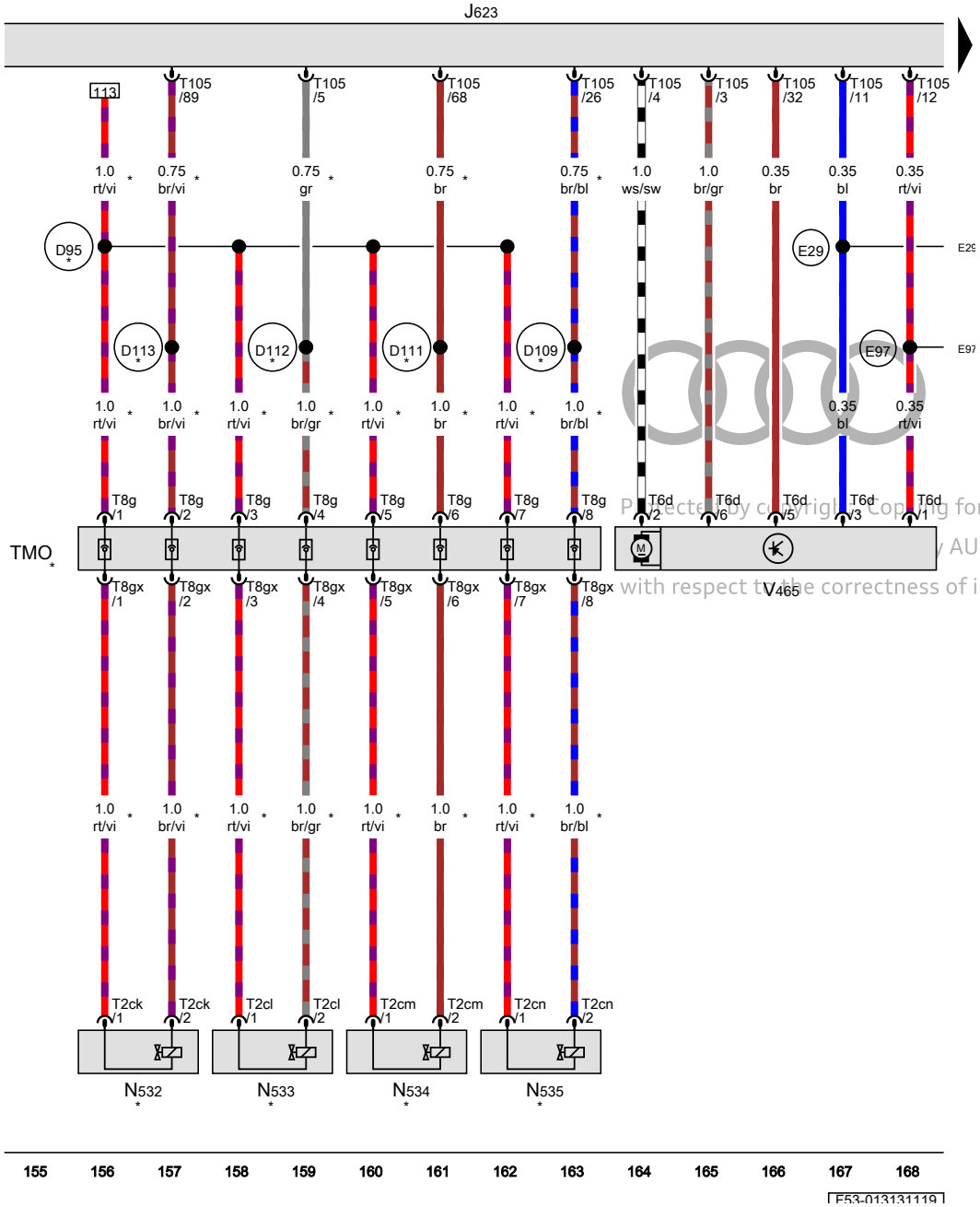

Engine/motor control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4, Charge pressure positioner

J623	Engine/motor control unit, front left in engine compartment
N532	Injector 2, cylinder 1
N533	Injector 2, cylinder 2
N534	Injector 2, cylinder 3
N535	Injector 2, cylinder 4
T2ck	2-pin connector, black
T2cl	2-pin connector, black
T2cm	2-pin connector, black
T2cn	2-pin connector, black
T6d	6-pin connector, grey
T8g	8-pin connector, black
T8gx	8-pin connector, black
T105	105-pin connector, black
TMO	Coupling point on engine, top
V465	Charge pressure positioner
D95	Connection (injectors), in engine compartment wiring harness
D109	Connection 7 in engine compartment wiring harness
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
D113	Connection 11 in engine compartment wiring harness
E29	Connection, in engine wiring harness
E97	Connection 2 in engine wiring harness
*	For models with Euro 6 plus emission standard

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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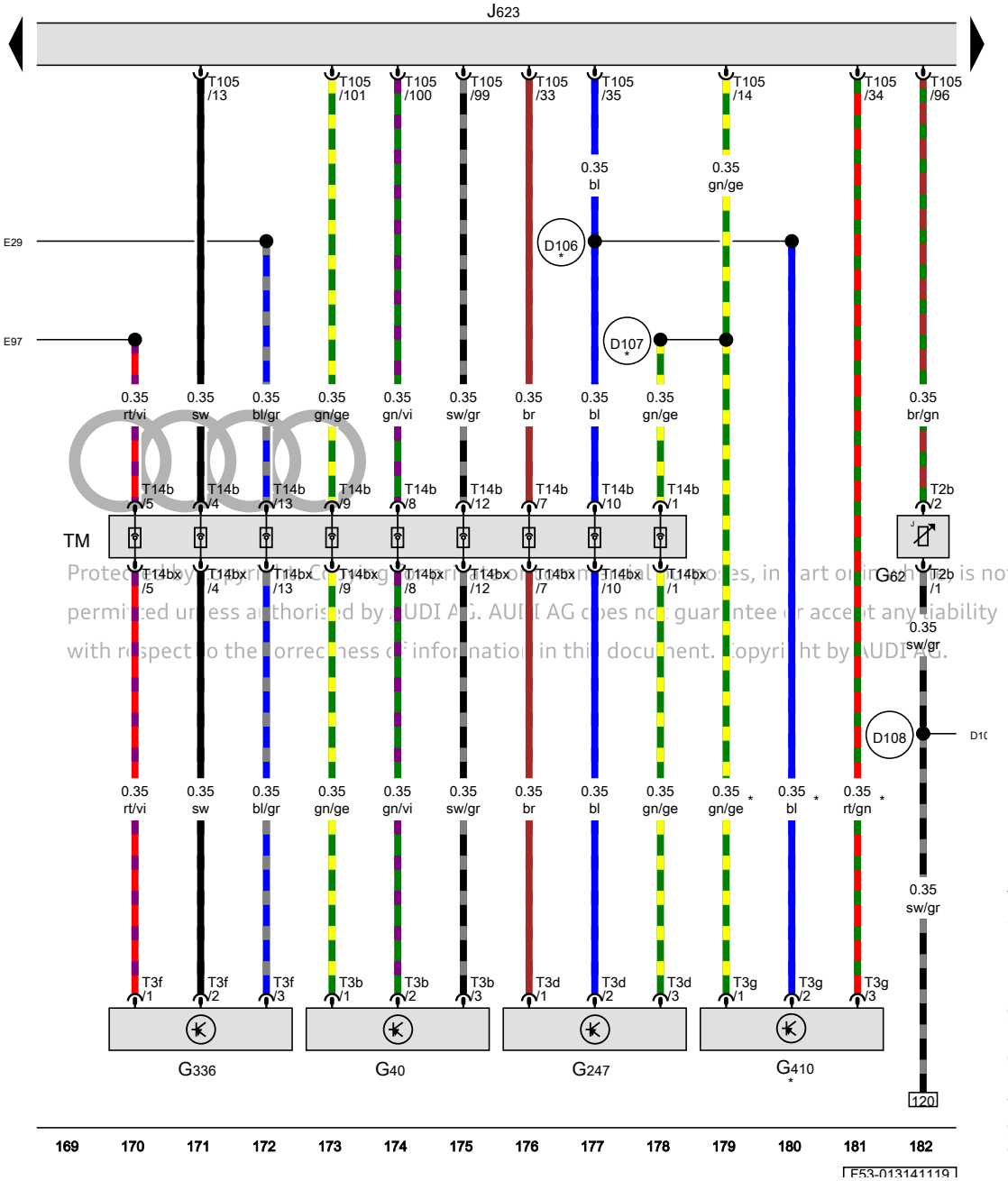

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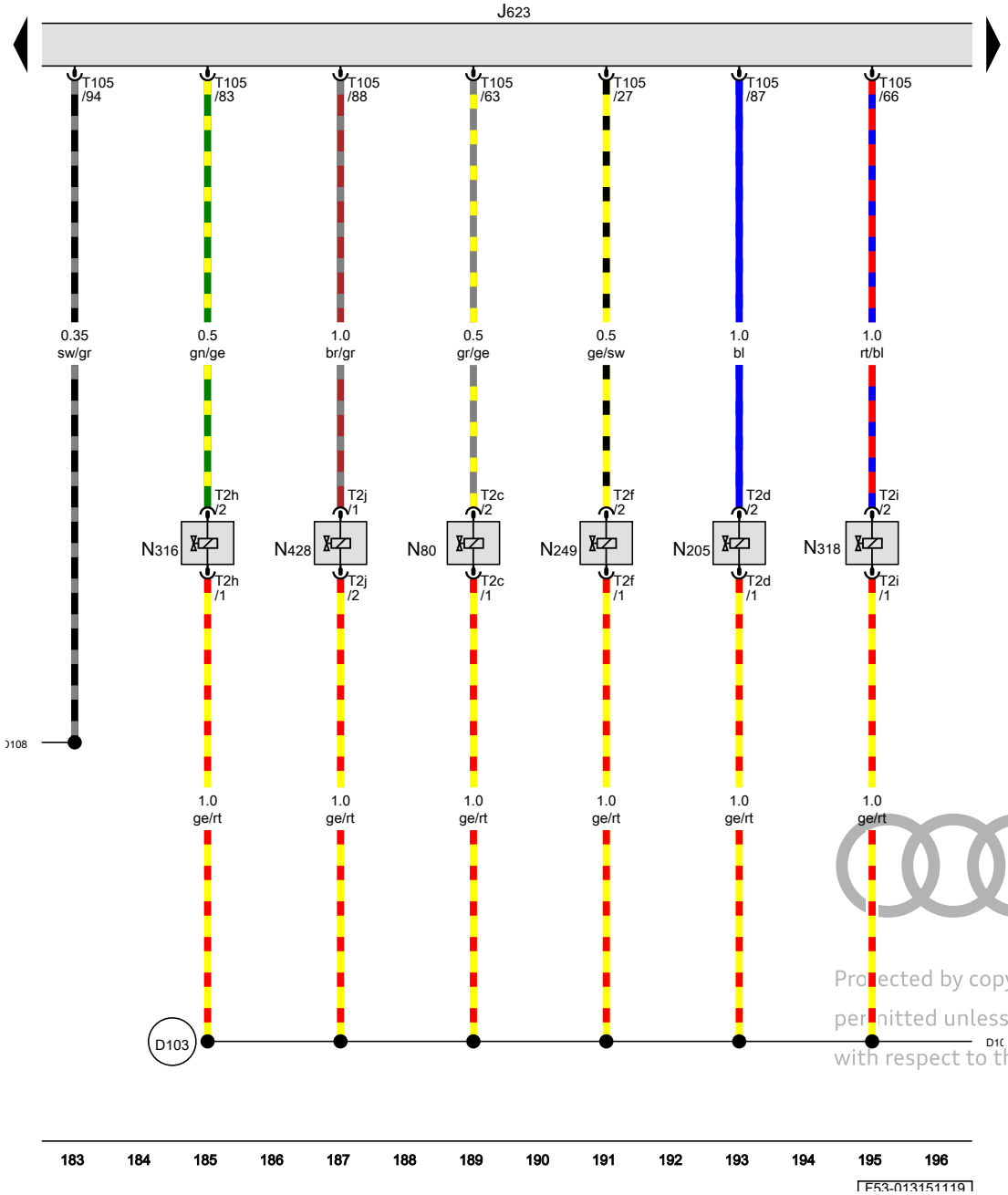
Hall sender, Coolant temperature sender, Fuel pressure sender, Intake manifold flap potentiometer, Fuel pressure sender for low pressure, Engine/motor control unit

G40	Hall sender
G62	Coolant temperature sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, front left in engine compartment
T2b	2-pin connector, black
T3b	3-pin connector, black
T3d	3-pin connector, black
T3f	3-pin connector, black
T3g	3-pin connector, black
T14b	14-pin connector, black
T14bx	14-pin connector, black
T105	105-pin connector, black
TM	Coupling point in engine compartment
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness
E29	Connection, in engine wiring harness
E97	Connection 2 in engine wiring harness
*	For models with Euro 6 plus emission standard



Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control

J623	Engine/motor control unit, front left in engine compartment
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
T2c	2-pin connector, black
T2d	2-pin connector, black
T2f	2-pin connector, brown
T2h	2-pin connector, black
T2i	2-pin connector, black
T2j	2-pin connector, black
T105	105-pin connector, black
D103	Connection 3 in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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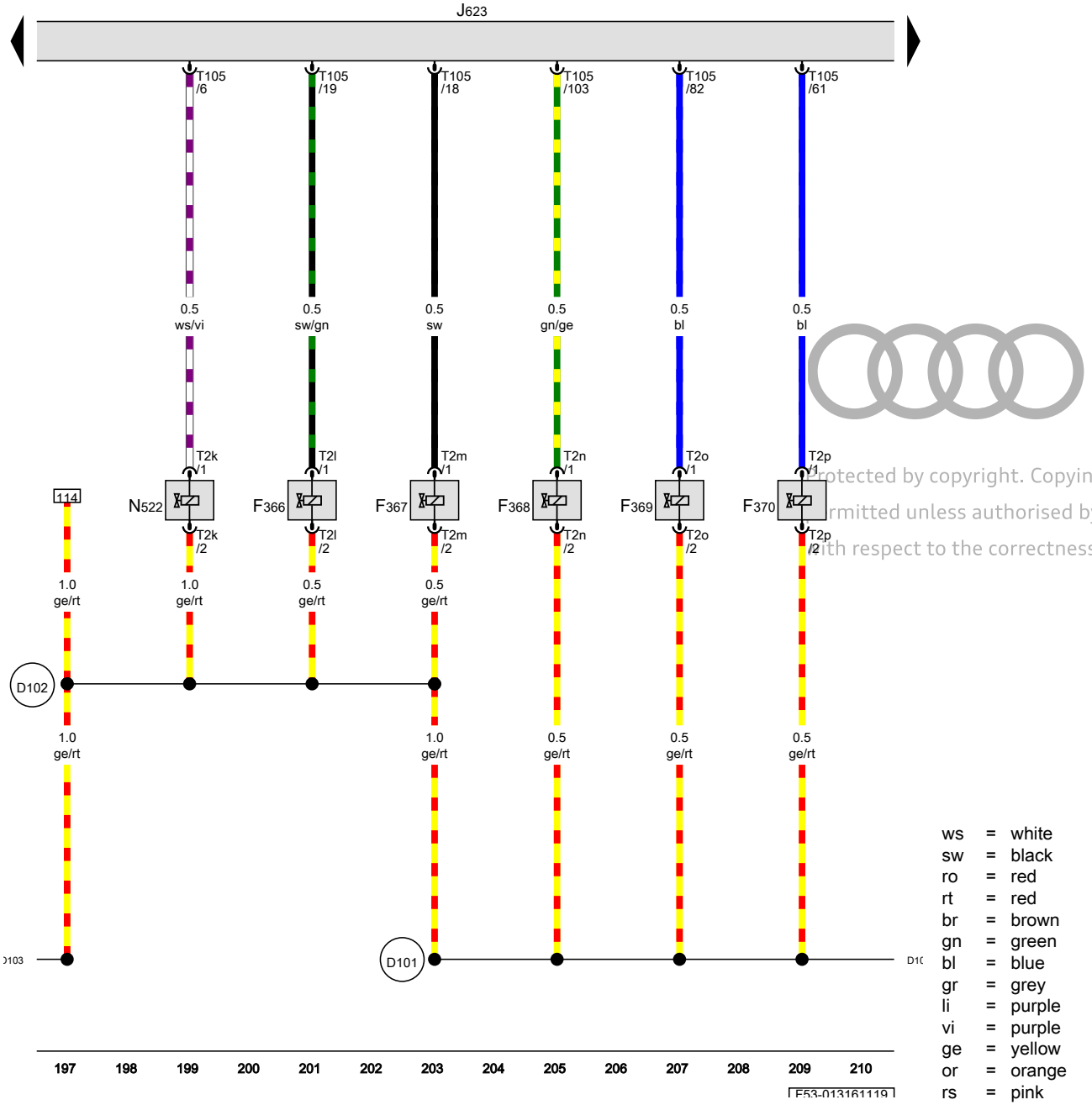

Cam adjustment actuator 1, Cam adjustment actuator 2, Cam adjustment actuator 3, Cam adjustment actuator 4, Cam adjustment actuator 5, Engine/motor control unit, Piston cooling jet control valve

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F370	Cam adjustment actuator 5
J623	Engine/motor control unit, front left in engine compartment
N522	Piston cooling jet control valve
T2k	2-pin connector, black
T2l	2-pin connector, black
T2m	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2p	2-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness
D103	Connection 3 in engine compartment wiring harness

ws	=	white
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ro	=	red
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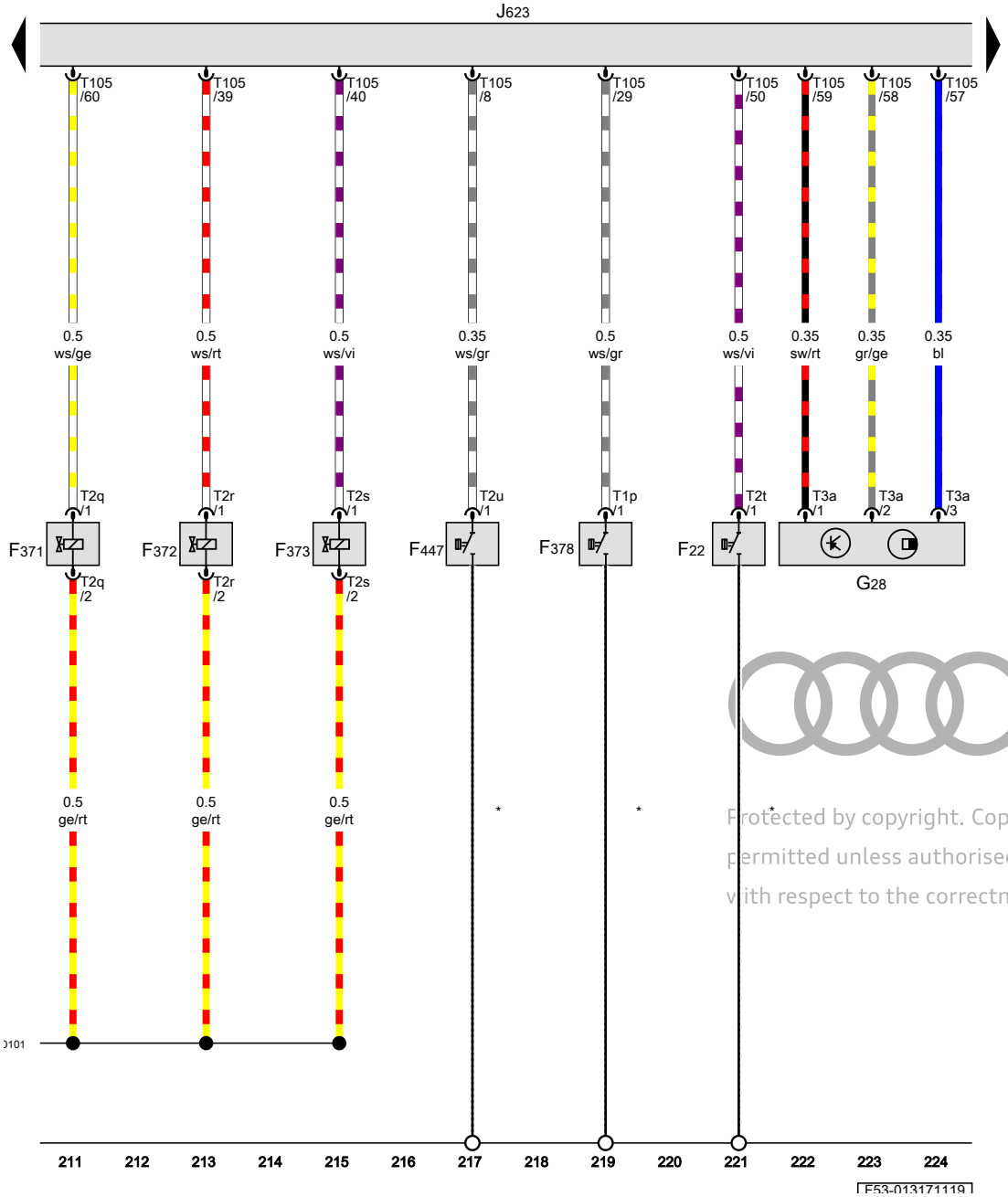

Oil pressure switch, Cam adjustment actuator 6, Cam adjustment actuator 7, Cam adjustment actuator 8, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Engine speed sender, Engine/motor control unit

F22	Oil pressure switch
F371	Cam adjustment actuator 6
F372	Cam adjustment actuator 7
F373	Cam adjustment actuator 8
F378	Oil pressure switch for reduced oil pressure
F447	Stage 3 oil pressure switch
G28	Engine speed sender
J623	Engine/motor control unit, front left in engine compartment
T1p	1-pin connector, black
T2q	2-pin connector, black
T2r	2-pin connector, black
T2s	2-pin connector, black
T2t	2-pin connector, black
T2u	2-pin connector, black
T3a	3-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
*	Earth supply via housing

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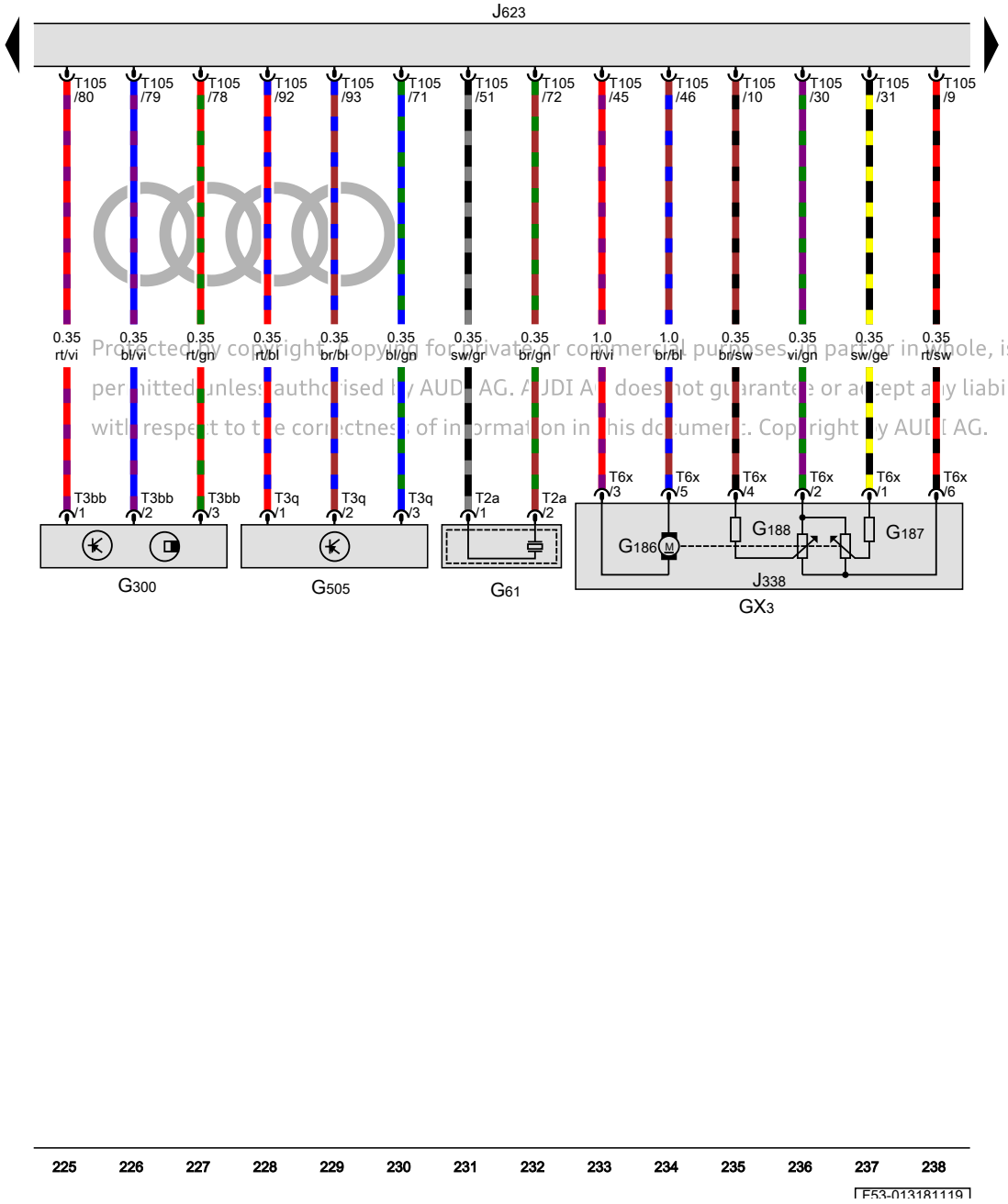
rs	=	pink



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Throttle valve module, Knock sensor 1, Hall sender 3, Pressure differential sender, Engine/motor control unit

GX3	Throttle valve module
G61	Knock sensor 1
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
G300	Hall sender 3
G505	Pressure differential sender
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T2a	2-pin connector, black
T3bb	3-pin connector, black
T3q	3-pin connector, black
T6x	6-pin connector, black
T105	105-pin connector, black

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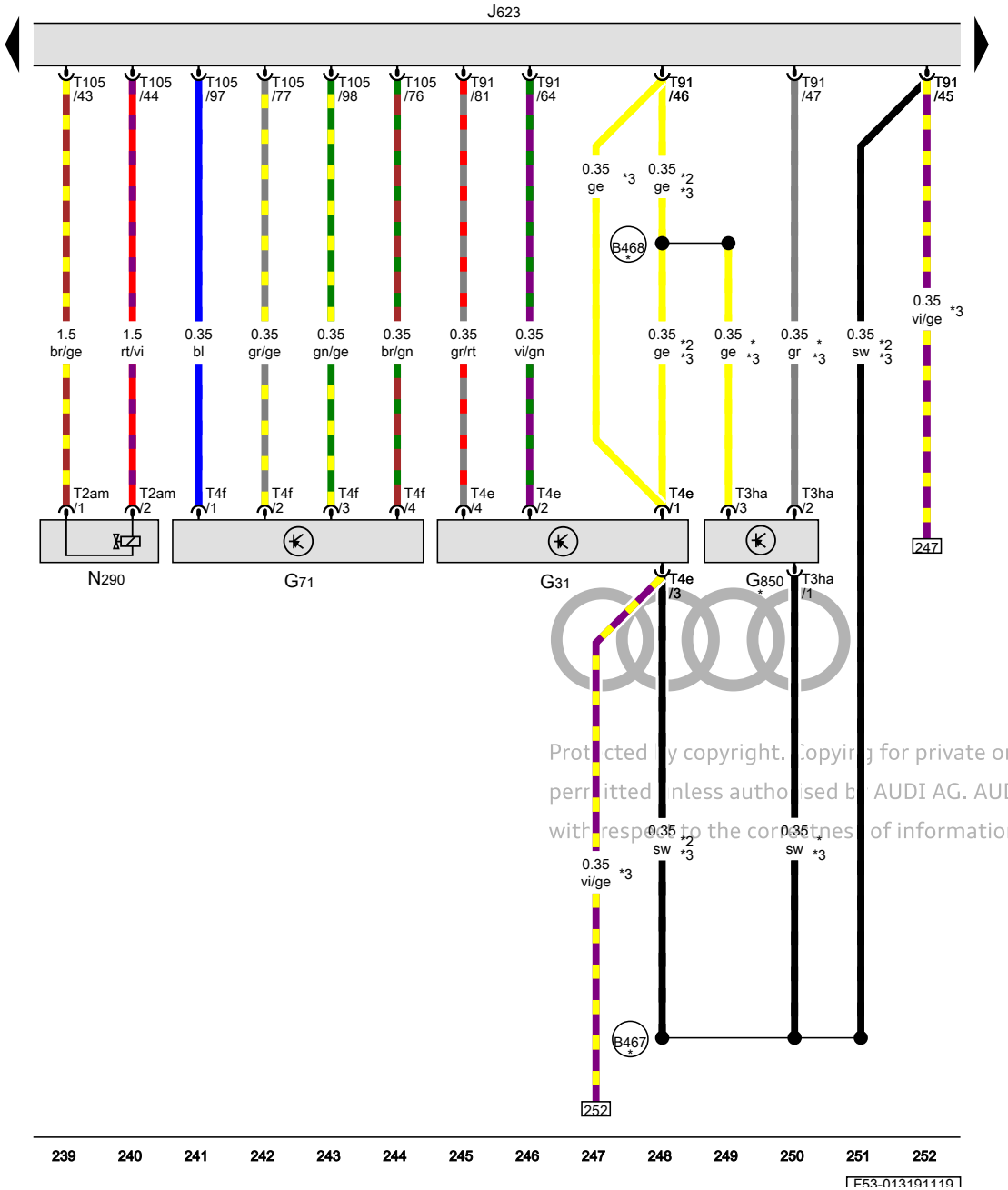

Charge pressure sender, Intake manifold pressure sender, Tank pressure sensor 2, Engine/motor control unit, Fuel metering valve

G31	Charge pressure sender
G71	Intake manifold pressure sender
G850	Tank pressure sensor 2
J623	Engine/motor control unit, front left in engine compartment
N290	Fuel metering valve
T2am	2-pin connector, black
T3ha	3-pin connector, black
T4e	4-pin connector, black
T4f	4-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
B467	Connection 3, in main wiring harness
B468	Connection 4, in main wiring harness
*	For models with BIN5/ULEV emission standard
*2	Wiring colour depends on equipment
*3	According to equipment

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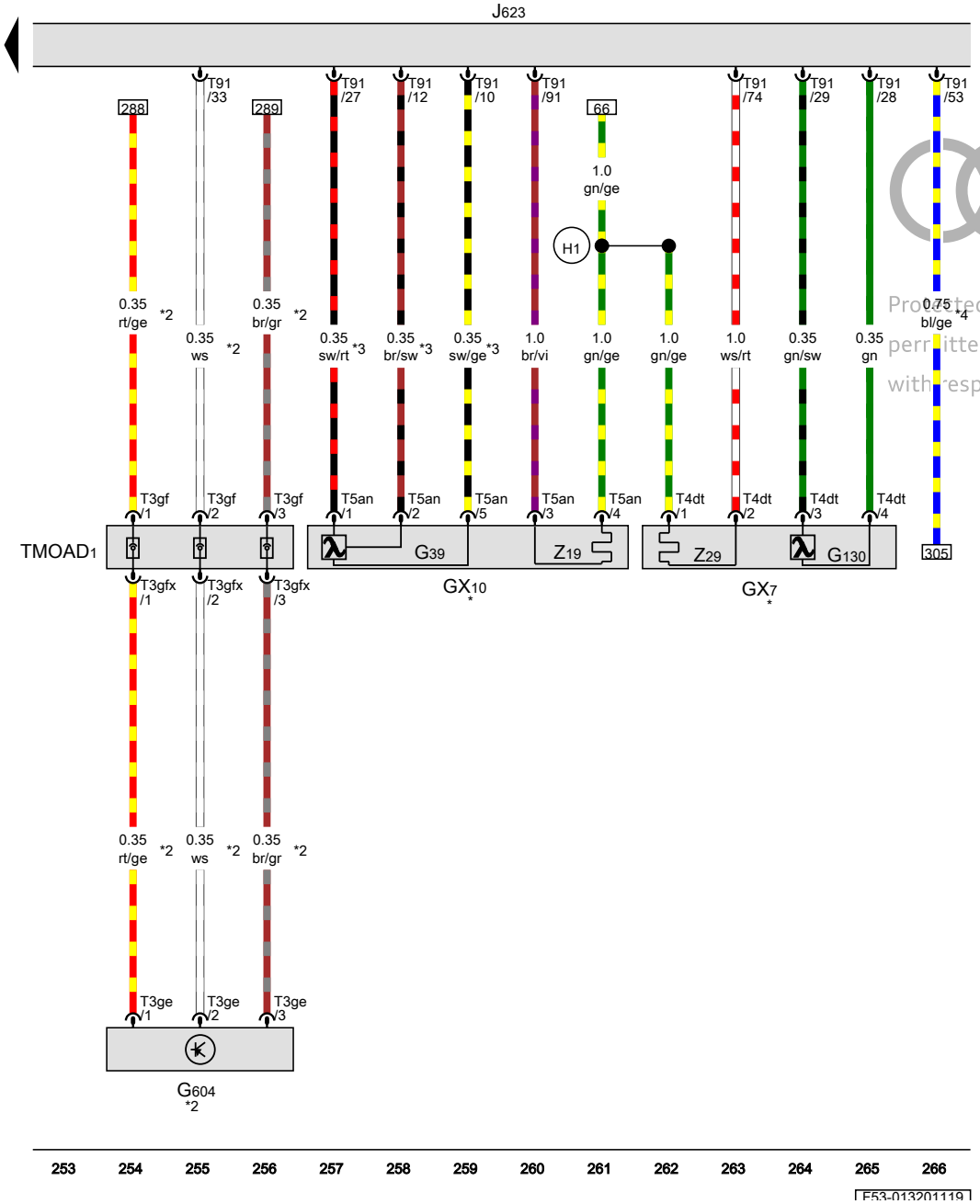

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Gear detection sensor, Engine/ motor control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G130	Lambda probe after catalytic converter
G604	Gear detection sensor
J623	Engine/motor control unit, front left in engine compartment
T3ge	3-pin connector, black, brown
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
T4dt	4-pin connector, black
T5an	5-pin connector, grey
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T91	91-pin connector, black
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
H1	Positive connection, in Lambda wiring harness
*	Pre-wired component
*2	For models with manual gearbox
*3	Different wire colour possible
*4	For American markets

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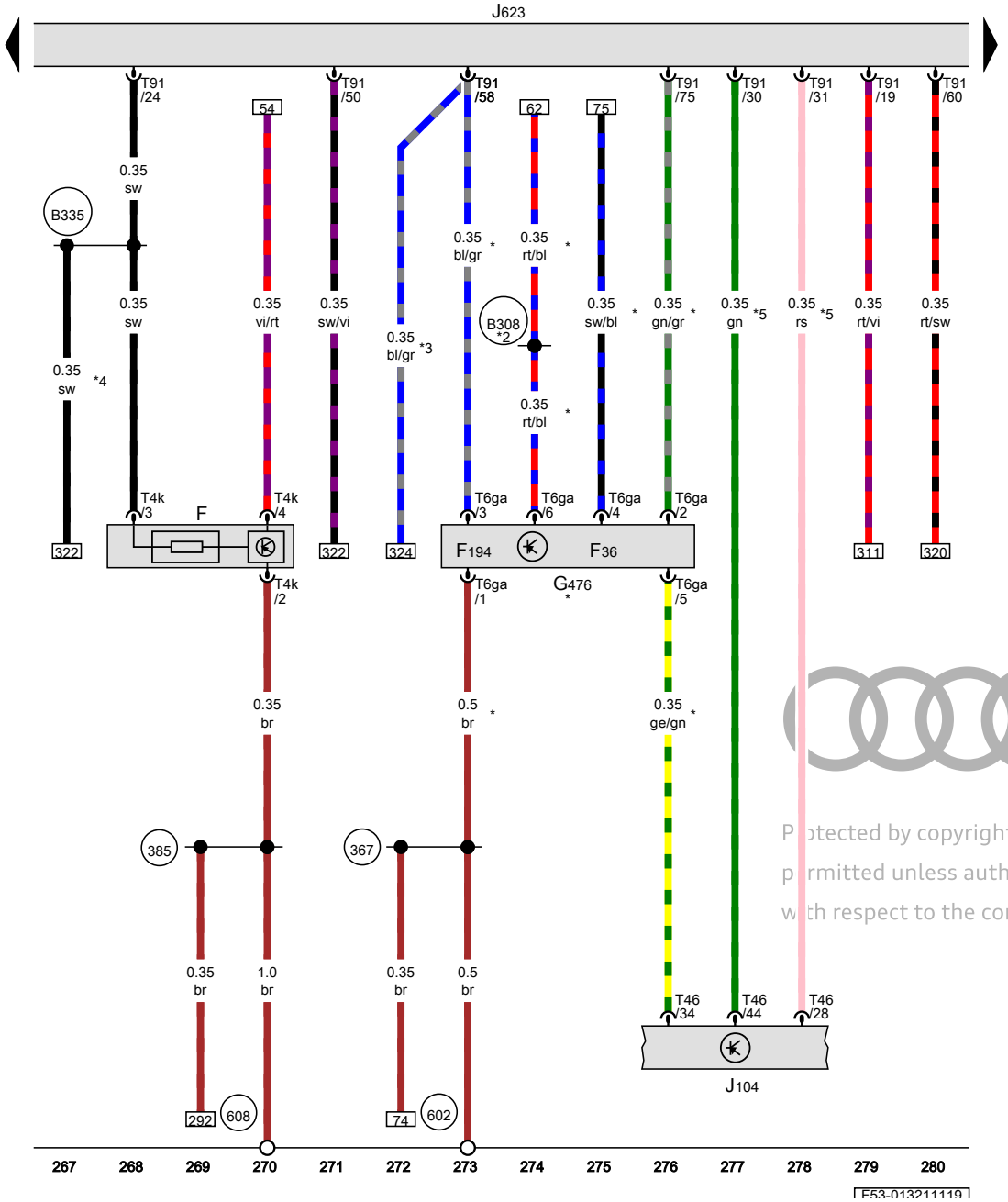

Brake light switch, Clutch pedal switch, Clutch pedal switch for engine start, Clutch position sender, Engine/motor control unit

F	Brake light switch, on brake servo
F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
G476	Clutch position sender
J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
T4k	4-pin connector, black
T6ga	6-pin connector, black
T46	46-pin connector, black
T91	91-pin connector, black
367	Earth connection 2, in main wiring harness
385	Earth connection 20, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
B308	Positive connection 12 (30), in main wiring harness
B335	Connection 1 (54), in main wiring harness
*	For models with manual gearbox
*2	According to equipment
*3	For models with automatic gearbox
*4	Cross section depends on equipment
*5	Data bus wire (FlexRay bus)

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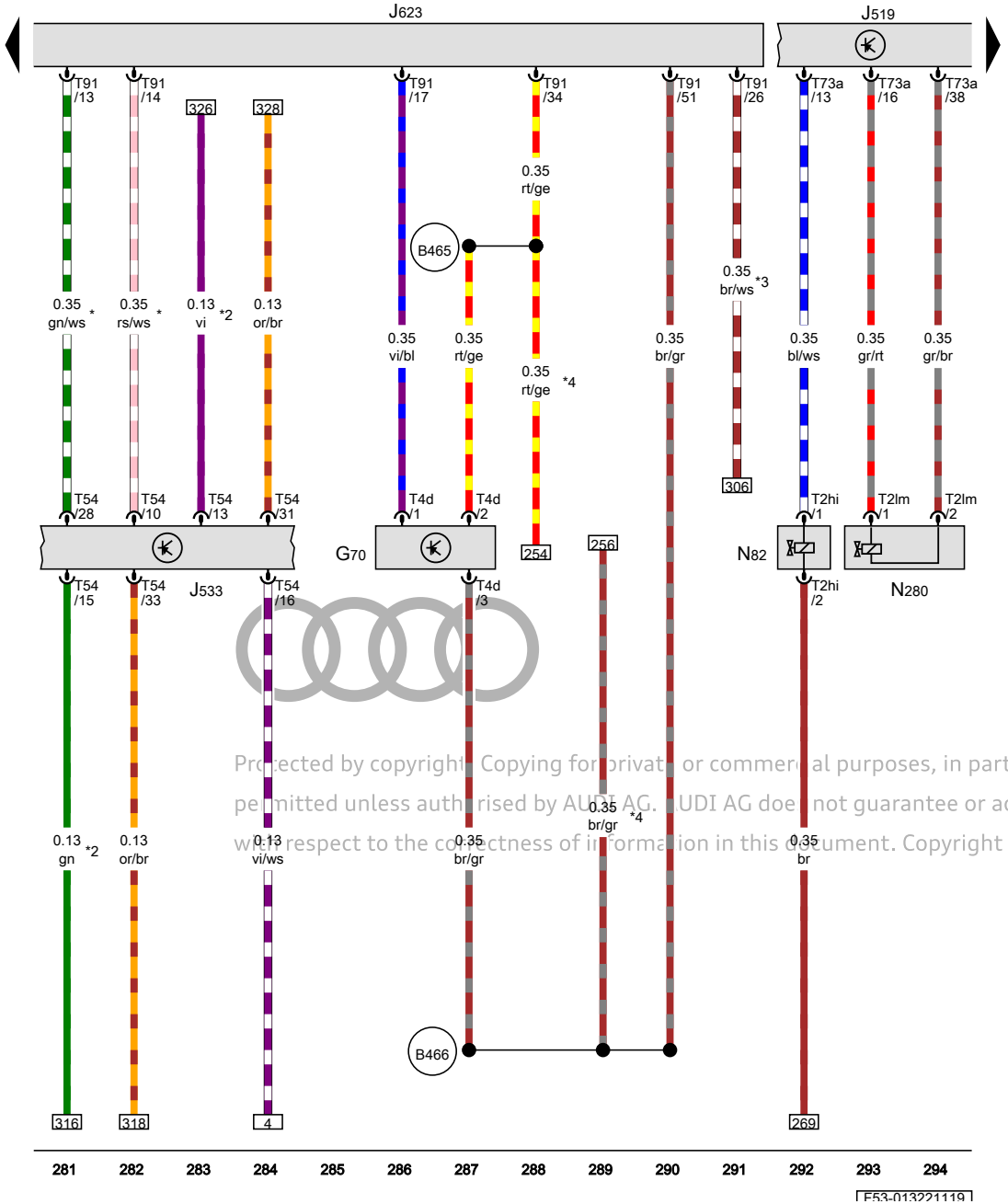

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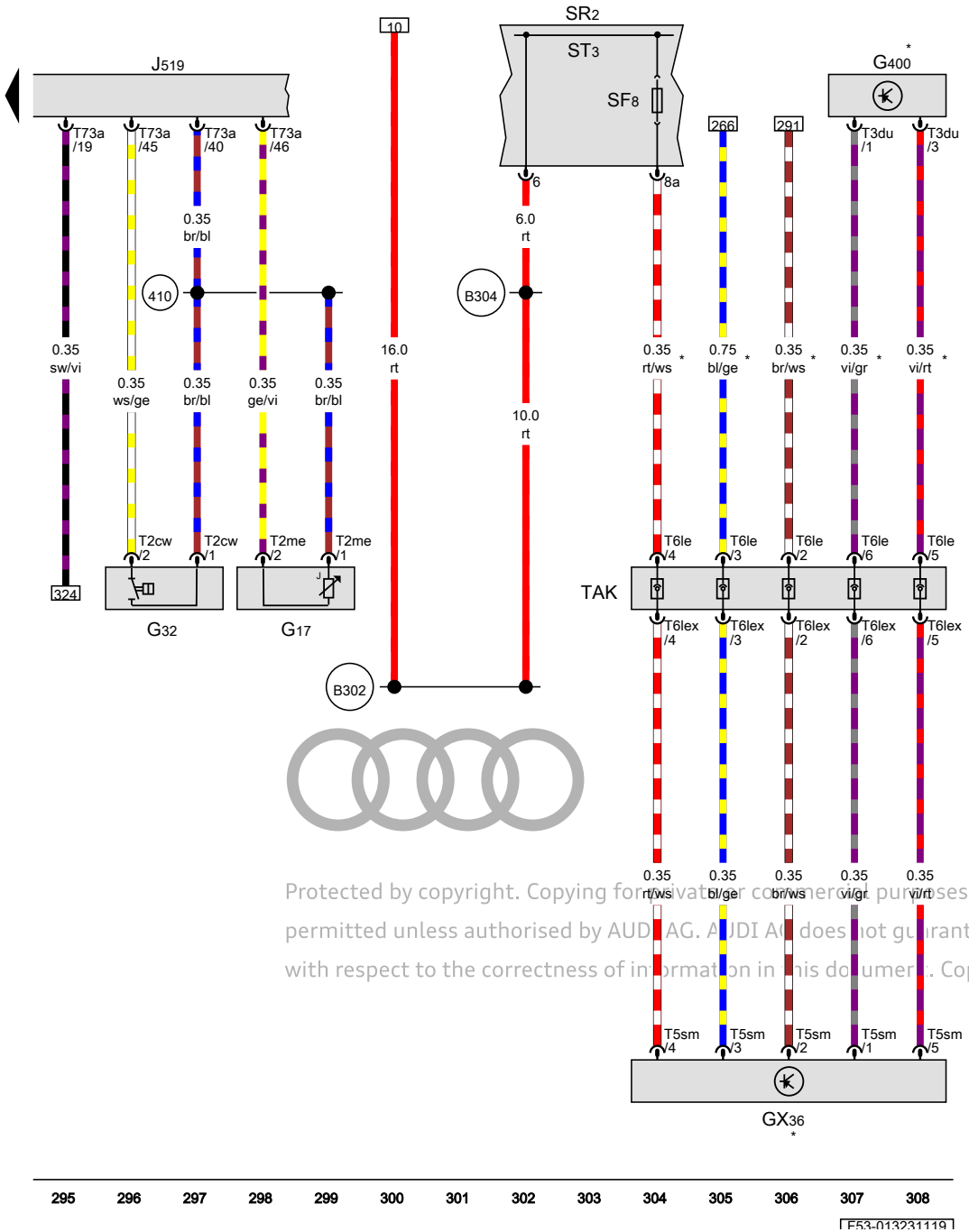
Air mass meter, Onboard supply control unit, Data bus diagnostic interface, Engine/motor control unit, Coolant shut-off valve, Air conditioner compressor regulating valve

G70	Air mass meter
J519	Onboard supply control unit
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2hi	2-pin connector, black
T2lm	2-pin connector, black
T4d	4-pin connector, black
T54	54-pin connector, black
T73a	73-pin connector, black
T91	91-pin connector, black
B465	Connection 1, in main wiring harness
B466	Connection 2, in main wiring harness
*	Data bus wire (FlexRay bus)
*2	Different wire colour possible
*3	For American markets
*4	For models with manual gearbox



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Ambient temperature sensor, Coolant shortage indicator sender, Fuel tank leak detection module, Tank pressure sensor, Onboard supply control unit, Relay and fuse carrier 2

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
GX36	Fuel tank leak detection module, near fuel tank
G400	Tank pressure sensor, near fuel tank
J519	Onboard supply control unit
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
ST3	Fuse carrier 3, brown
SF8	Fuse 8 in fuse holder F
T2cw	2-pin connector, black
T2me	2-pin connector, black
T3du	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T73a	73-pin connector, black
TAK	Coupling point for fuel tank, near fuel tank
410	Earth connection 1 (sender earth) in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	For American markets

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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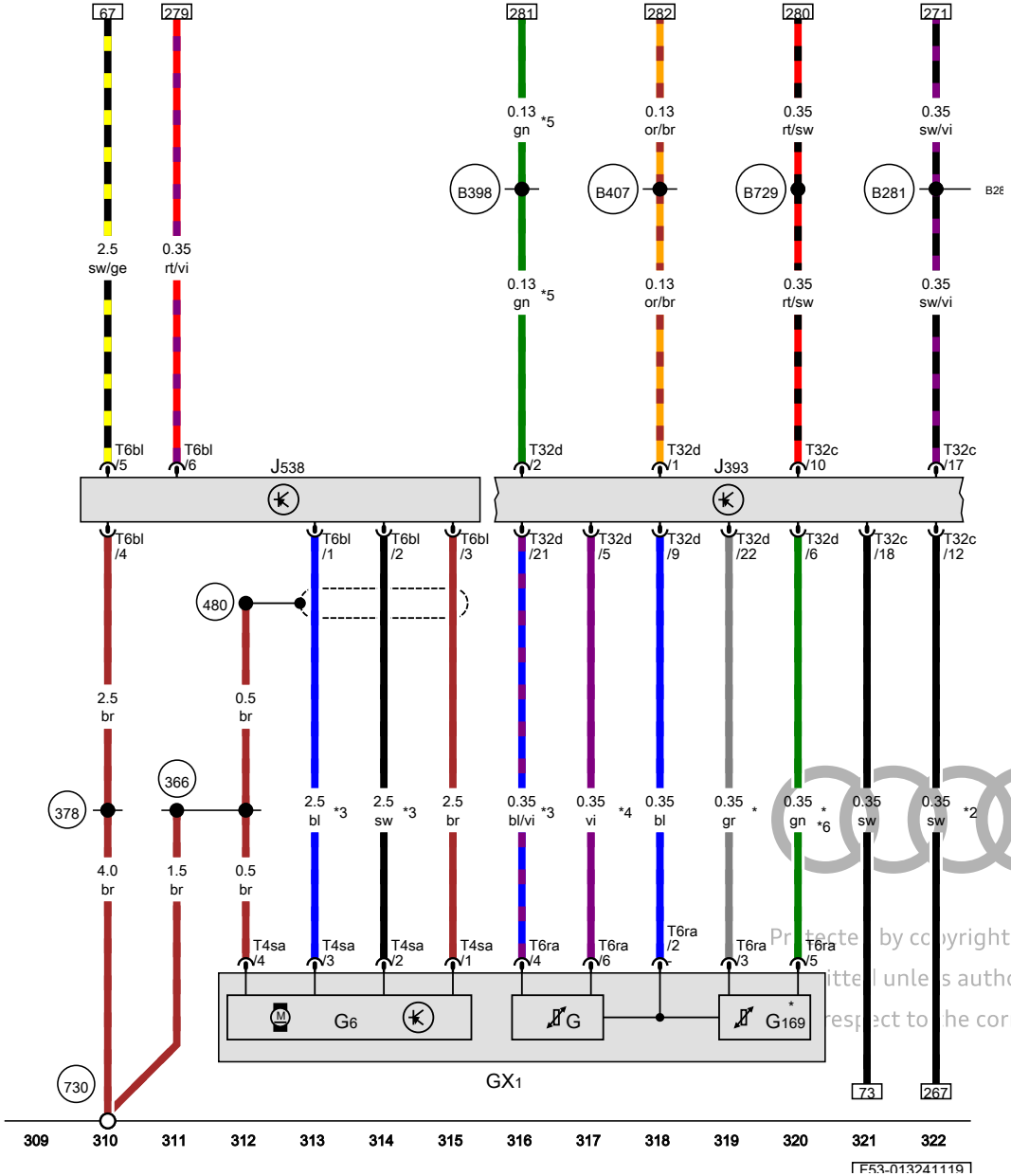

Fuel delivery unit, Convenience system central control unit, Fuel pump control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Cross section depends on equipment
*3	Wiring colour depends on equipment
*4	According to equipment
*5	Different wire colour possible
*6	Up to July 2018

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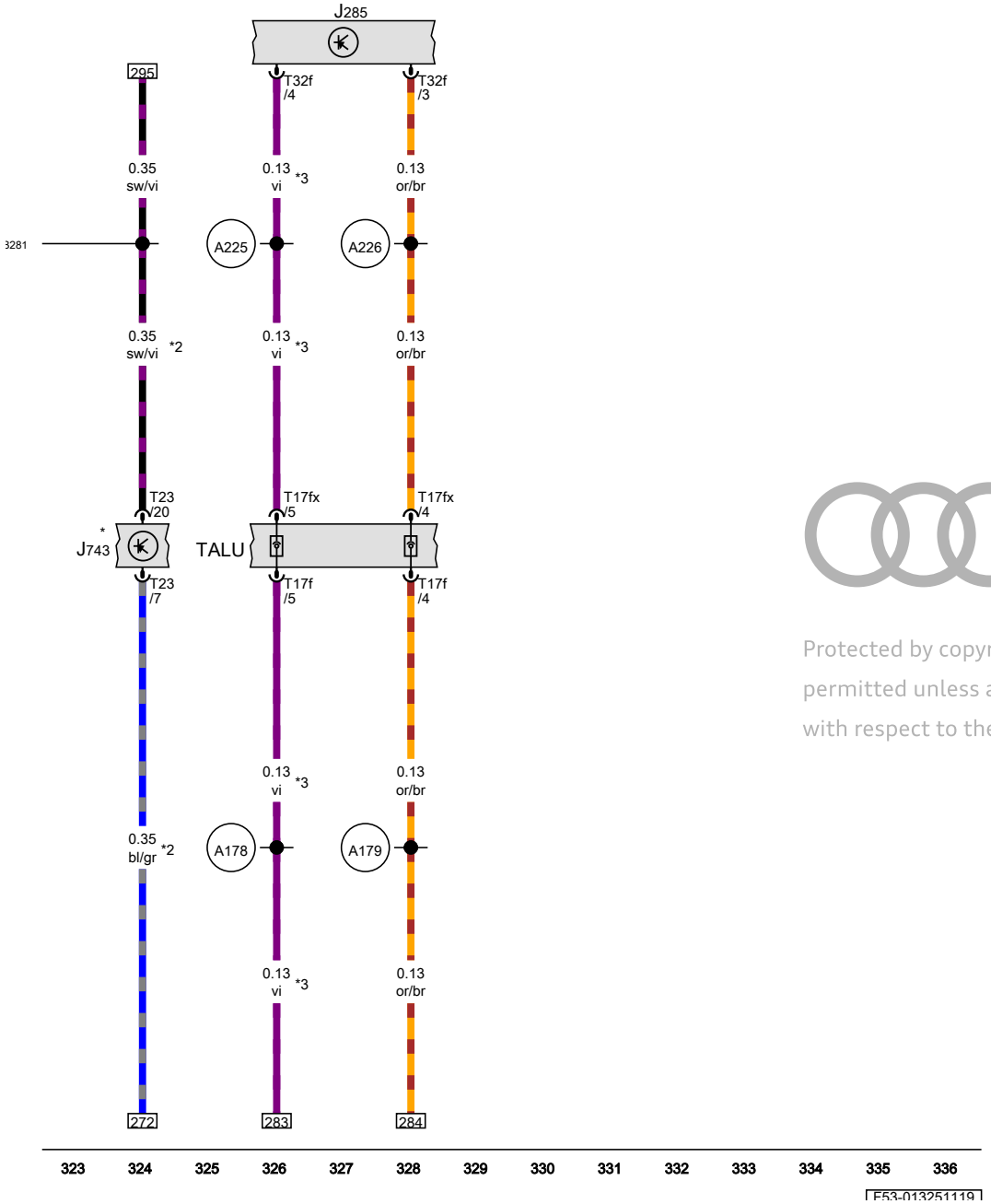

Control unit in dash panel insert, Mechatronic unit for dual clutch gearbox

J285	Control unit in dash panel insert
J743	Mechatronic unit for dual clutch gearbox
T17f	17-pin connector, red
T17fx	17-pin connector, red
T23	23-pin connector, black
T32f	32-pin connector, grey
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	For models with automatic gearbox
*3	Different wire colour possible

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2.0l petrol engine , CYRB,CYRC

From July 2016

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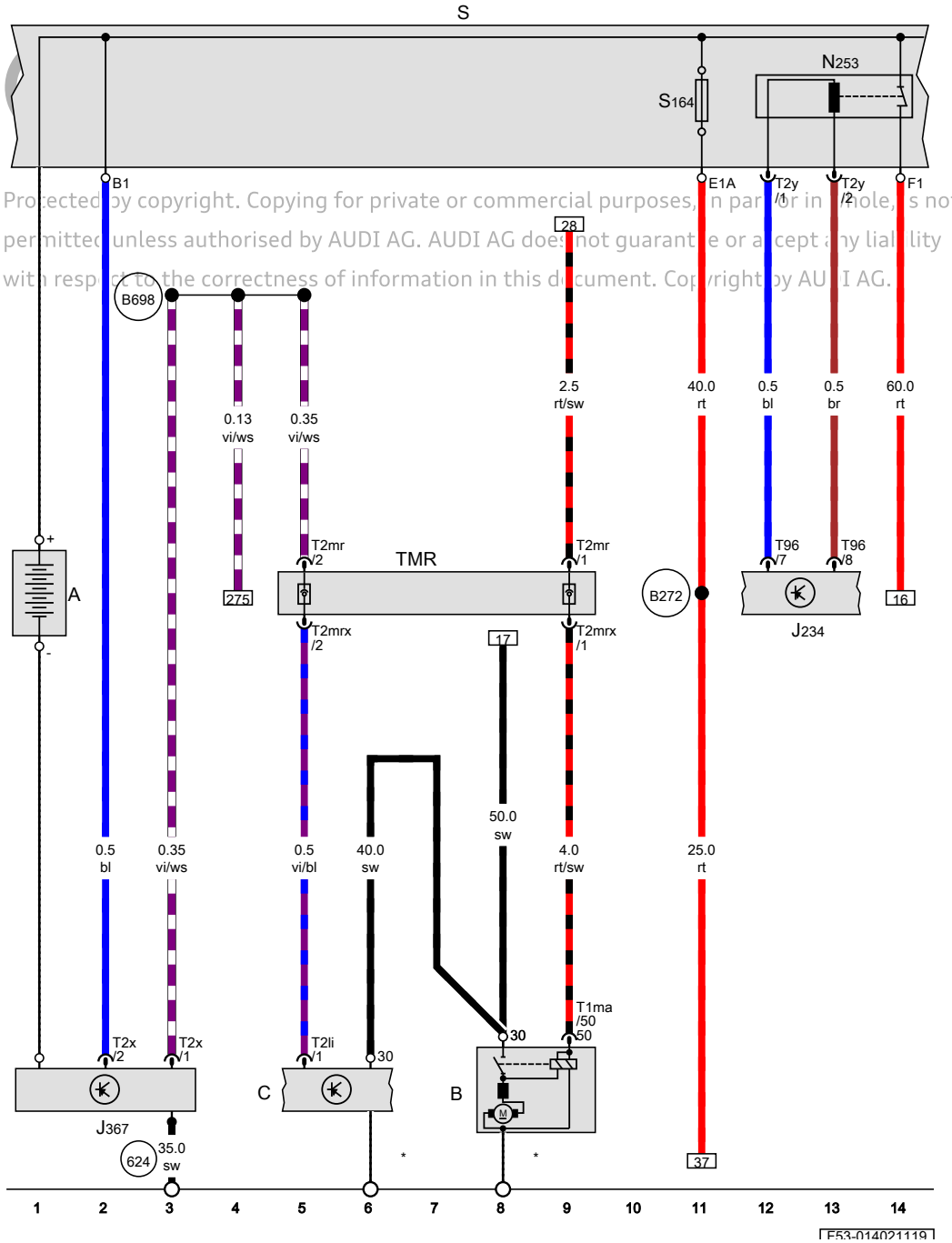

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Battery, Starter, Alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C	Alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

ws	=	white
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ro	=	red
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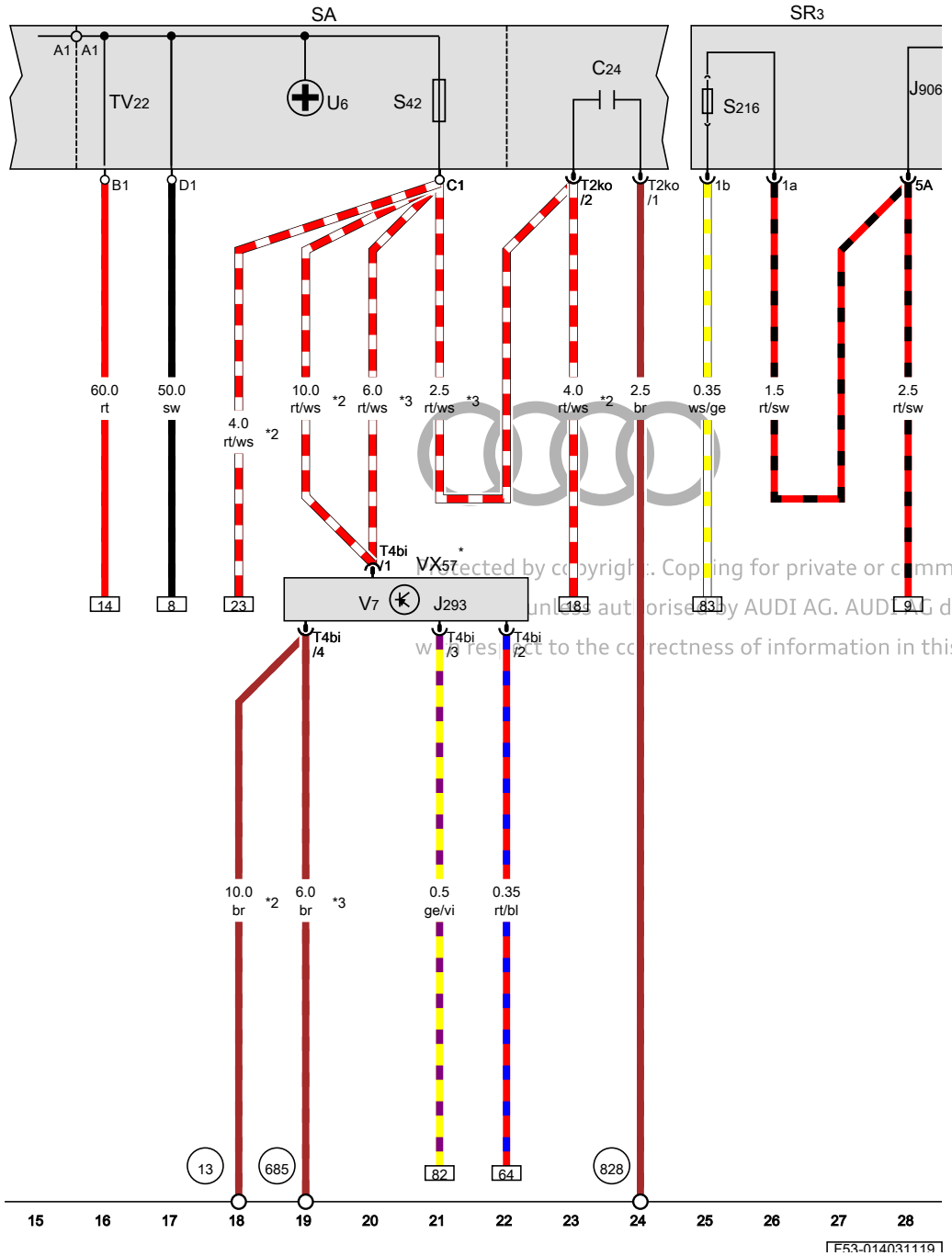

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Starter relay 1, Relay and fuse carrier 3, Fuse (50), Fuse holder A, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
J906	Starter relay 1, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S42	Radiator fan single fuse
S216	Fuse (50), central in plenum chamber
SA	Fuse holder A, front right in engine compartment
T2ko	2-pin connector, black
T4bi	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with increased fan output
*3	For models with low fan output

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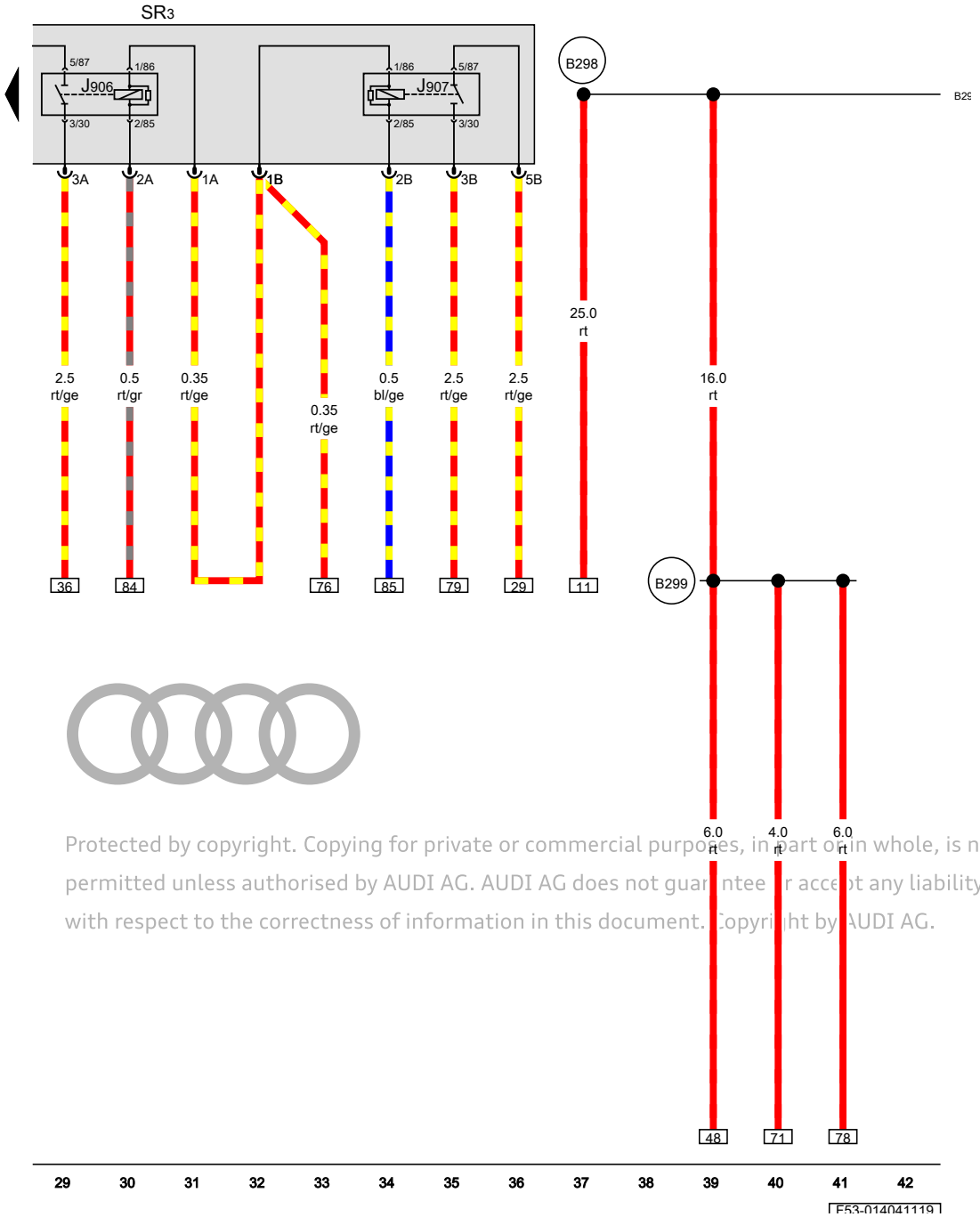

Starter relay 1, Starter relay 2, Relay and fuse carrier 3

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness

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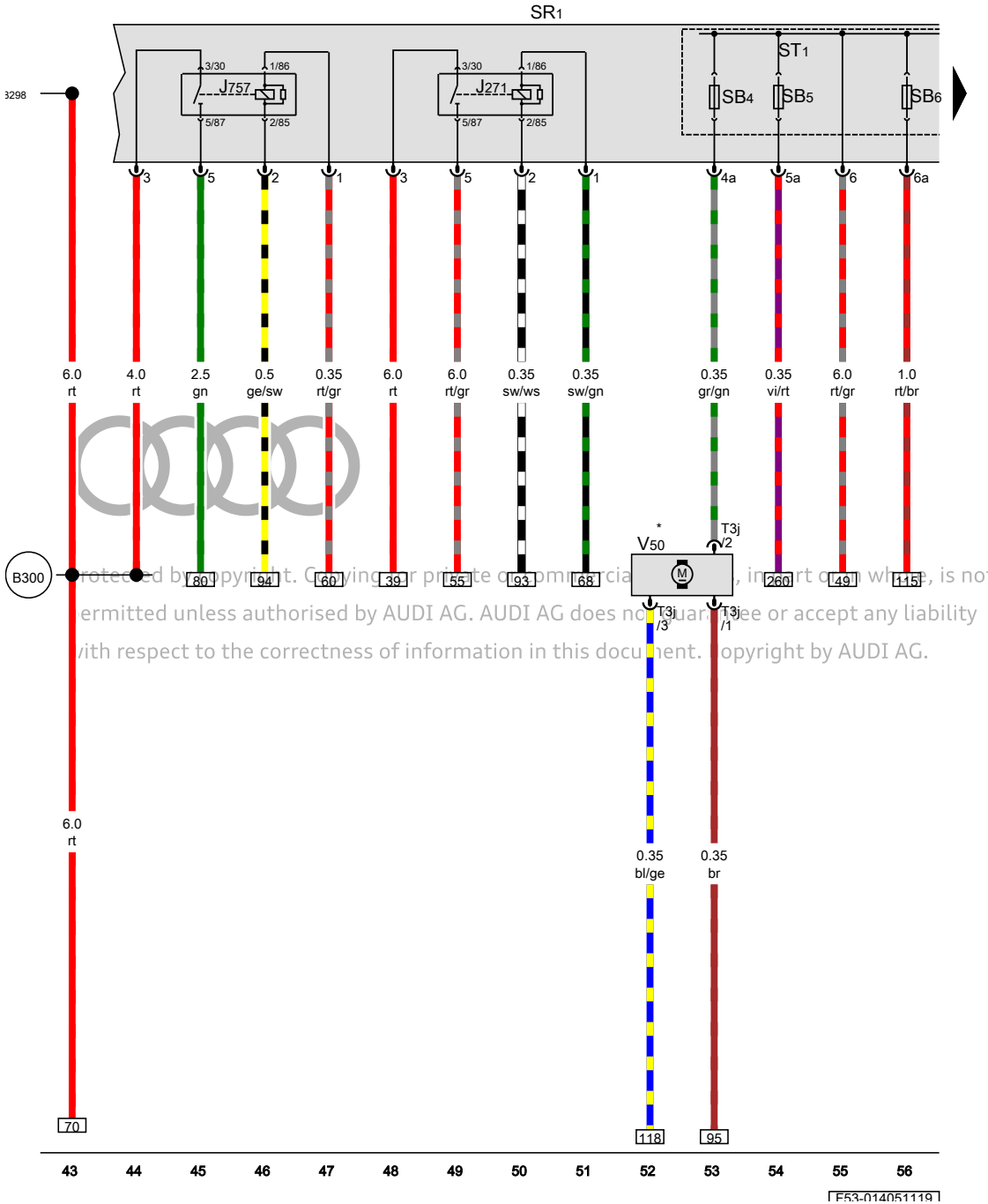

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Main relay, Engine component current supply relay, Relay and fuse carrier 1, Coolant circulation pump

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
T3j	3-pin connector, black
V50	Coolant circulation pump
B298	Positive connection 2 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
*	Heater support function

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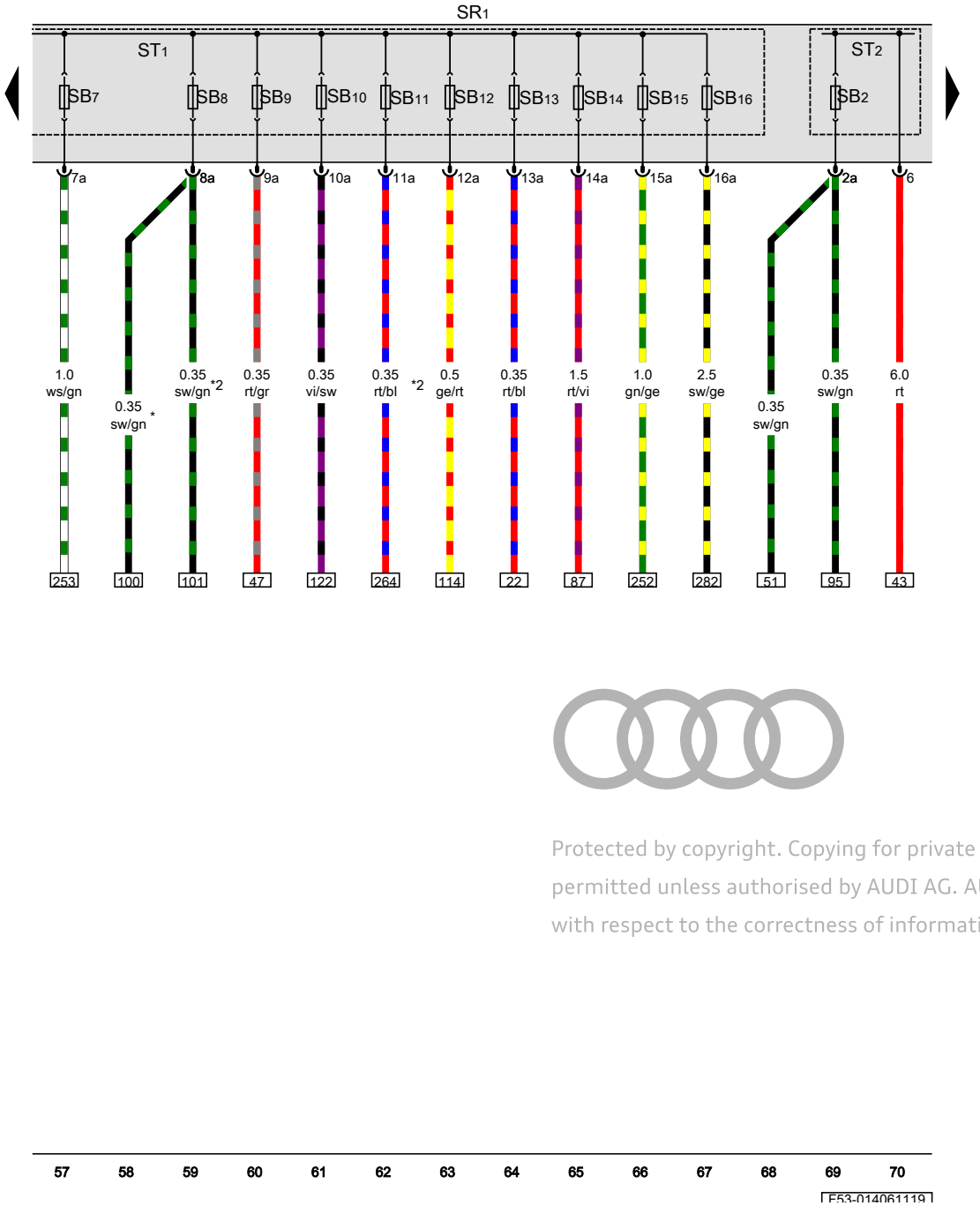

Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
*	For models with automatic gearbox
*2	For models with manual gearbox

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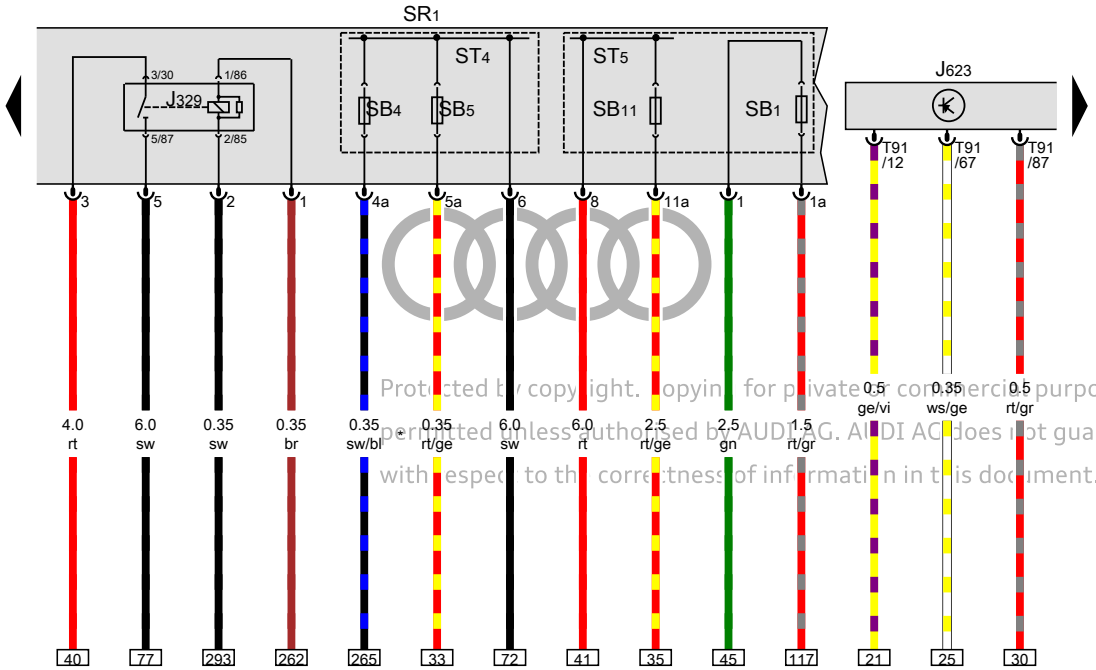

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Terminal 15 voltage supply relay, Engine/motor control unit, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
J623	Engine/motor control unit, front left in engine compartment
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5, red
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
T91	91-pin connector, black
*	For models with manual gearbox

71 72 73 74 75 76 77 78 79 80 81 82 83 84

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
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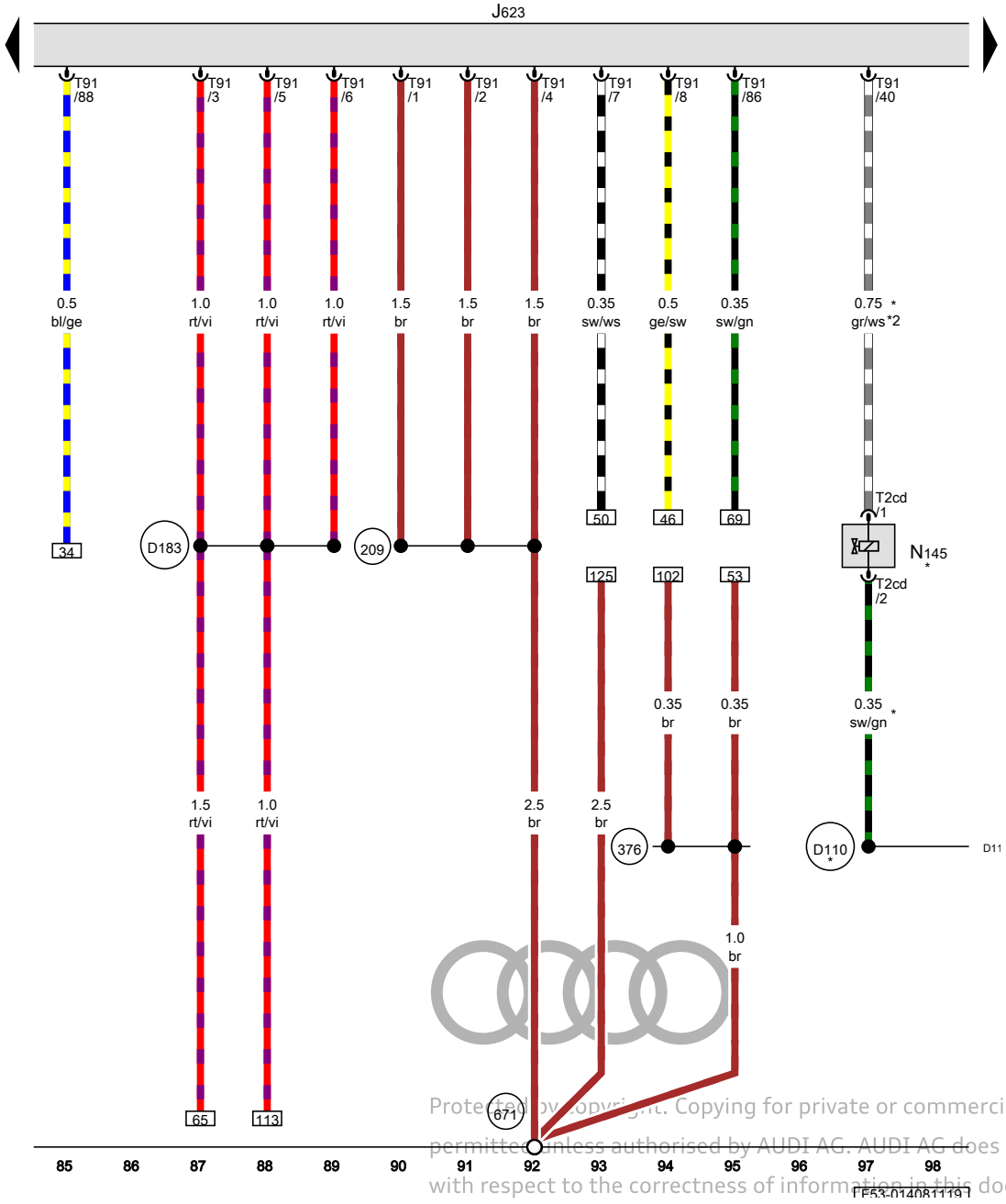

Engine/motor control unit, Right electrohydraulic engine mounting solenoid valve

J623	Engine/motor control unit, front left in engine compartment
N145	Right electrohydraulic engine mounting solenoid valve
T2cd	2-pin connector, colourless
T91	91-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D110	Connection 8 in engine compartment wiring harness
D183	Connection 4 (87a), in engine compartment wiring harness
*	For models with automatic gearbox
*2	Wiring colour depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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rs	=	pink

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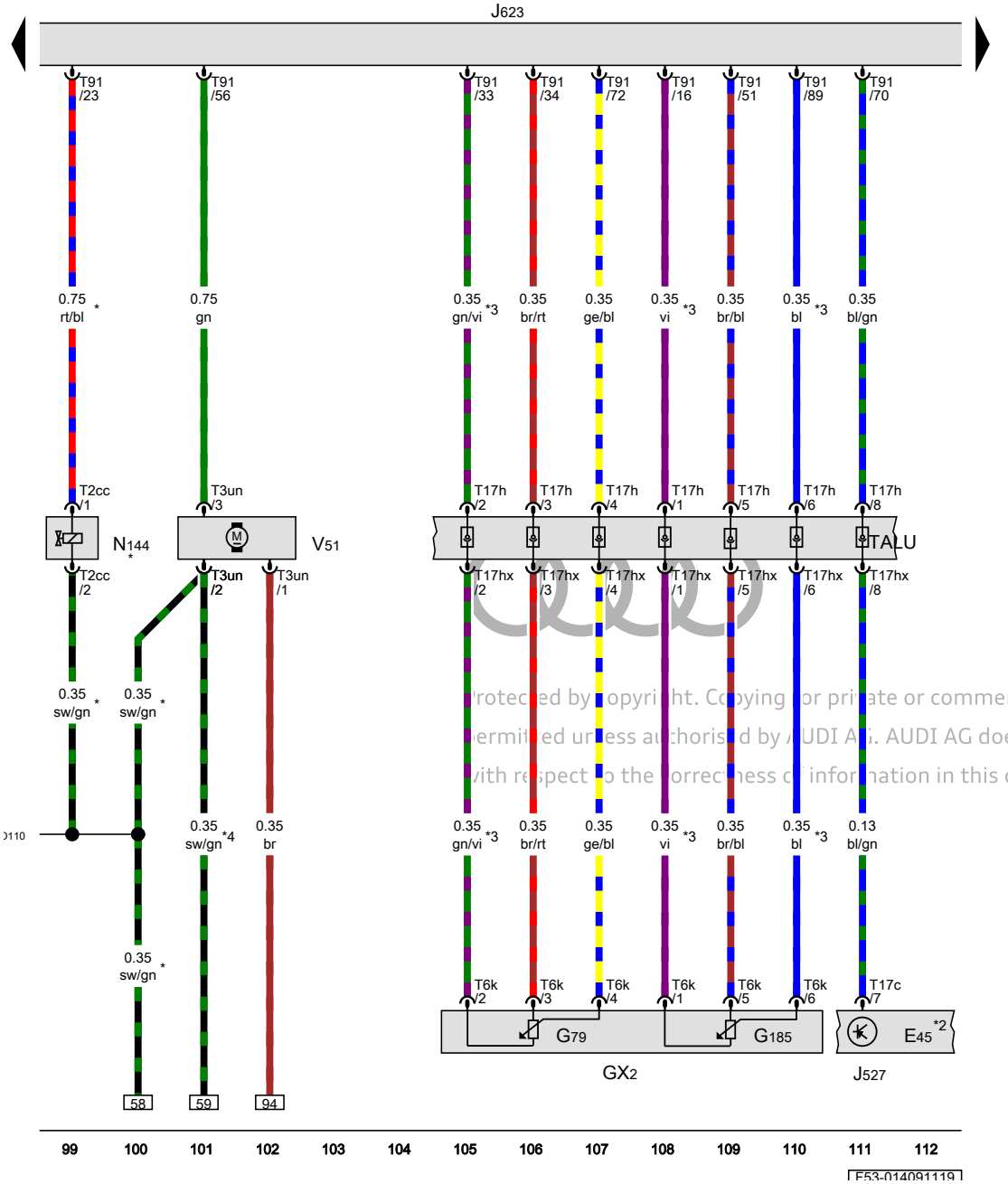

Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Continued coolant circulation pump

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T3un	3-pin connector, black
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
V51	Continued coolant circulation pump
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	For models with cruise control system (CCS)
*3	Wiring colour depends on equipment
*4	For models with manual gearbox

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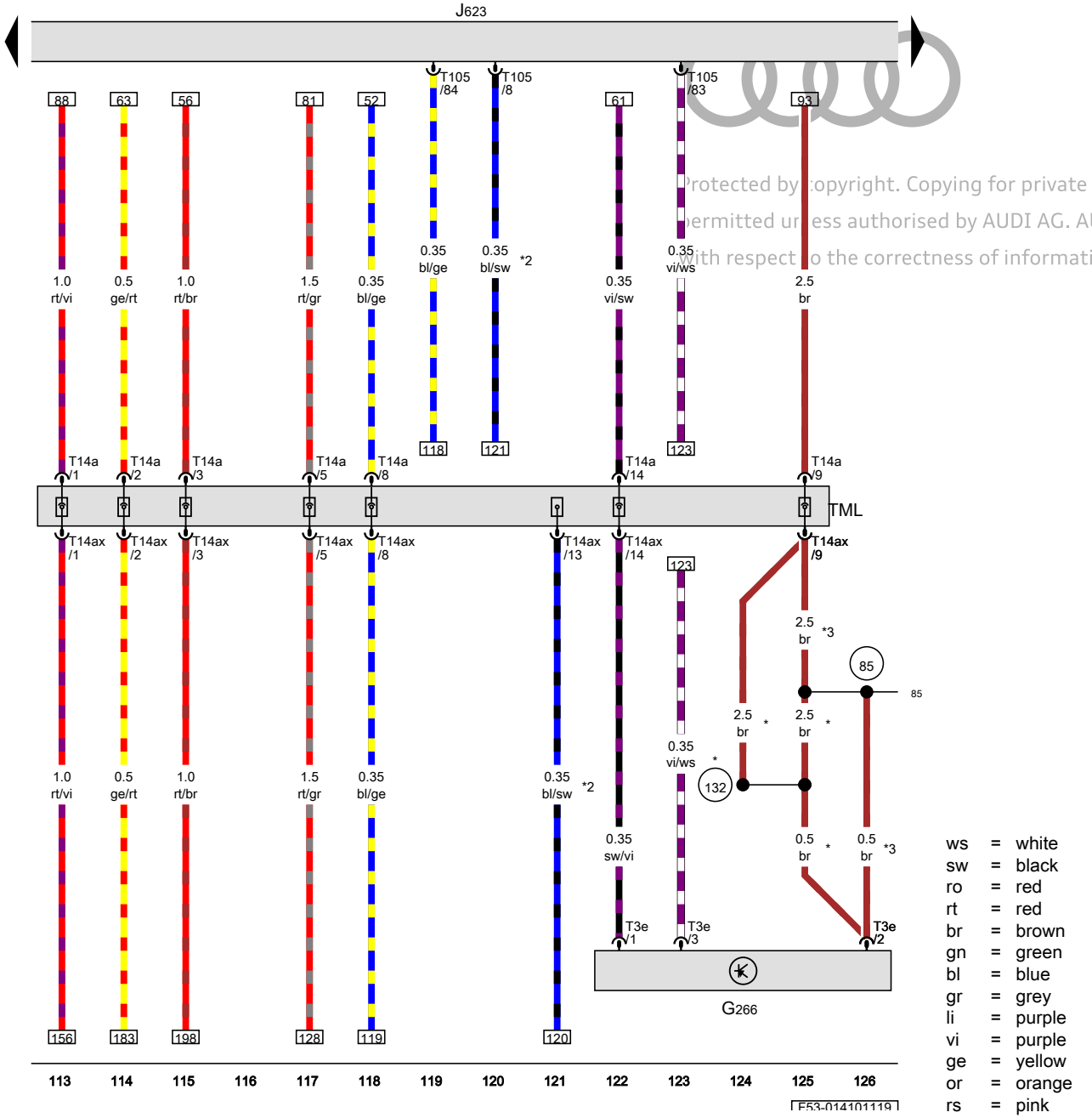
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Oil level and oil temperature sender, Engine/motor control unit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
*	Gradually discontinued
*2	According to equipment
*3	gradual introduction



ws = white
sw = black
ro = red
rt = red
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vi = purple
ge = yellow
or = orange
rs = pink

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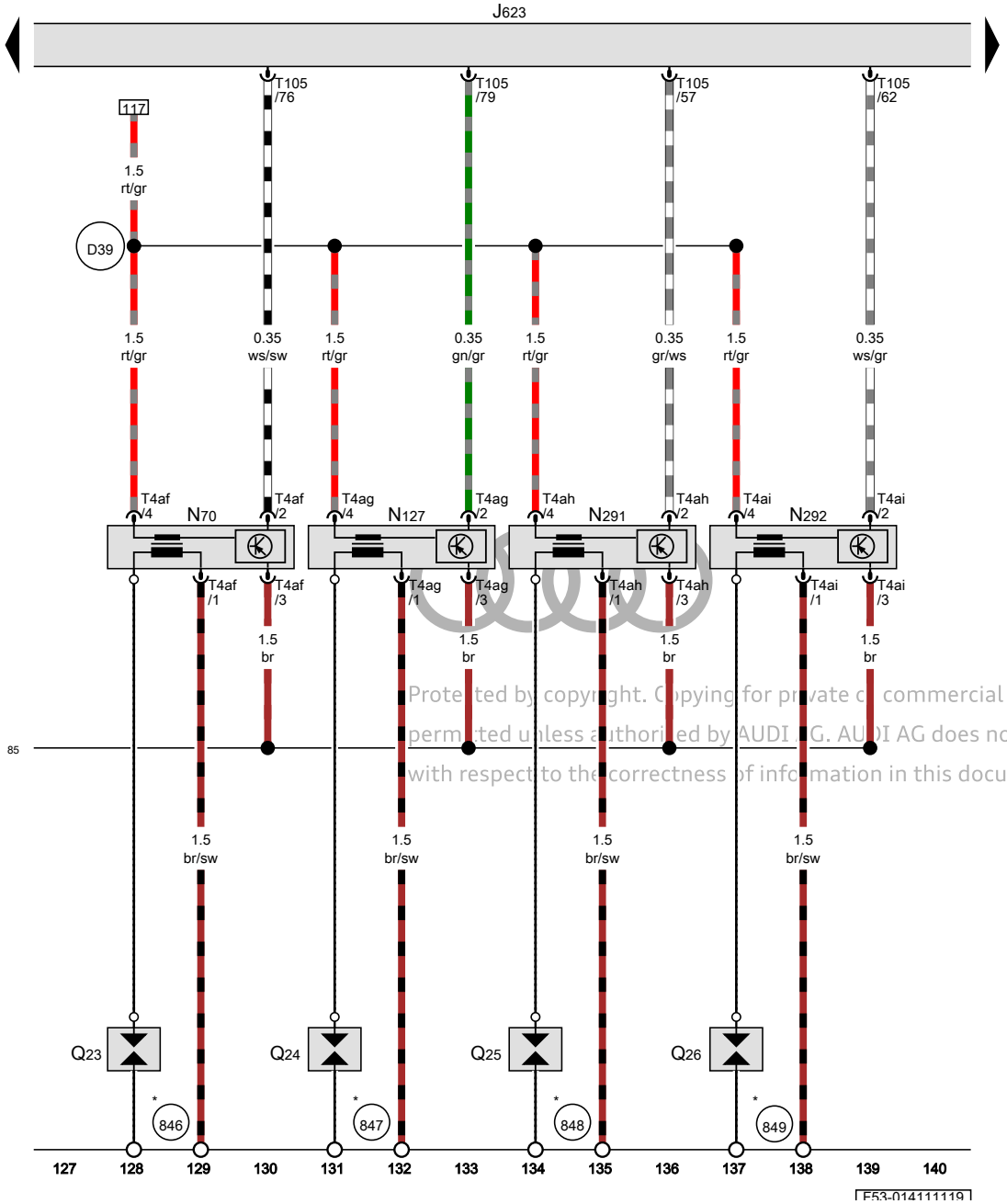

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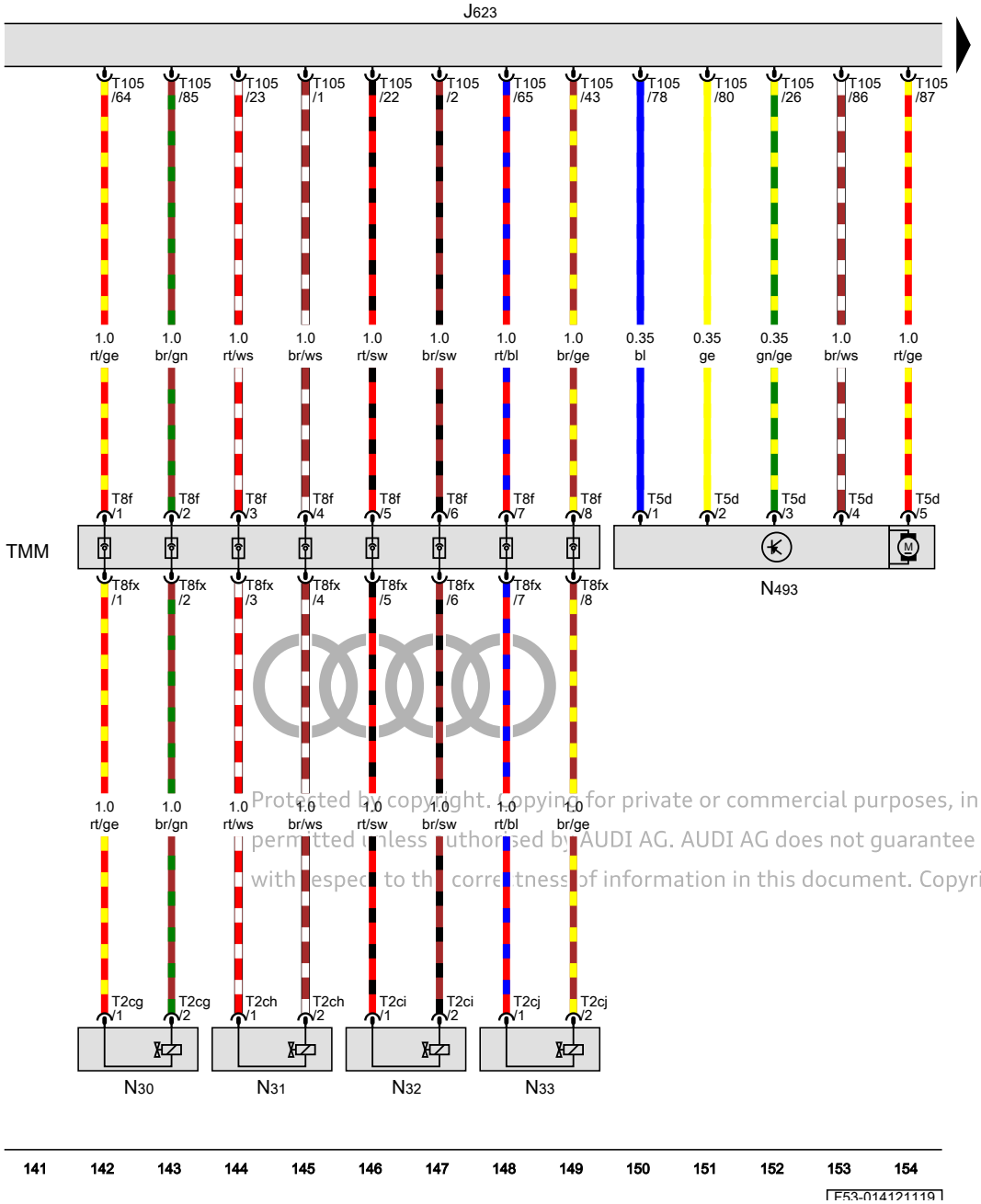
Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Actuator for engine temperature regulation

J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N493	Actuator for engine temperature regulation
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T5d	5-pin connector, black
T8f	8-pin connector, black
T8fx	8-pin connector, black
T105	105-pin connector, black
TMM	Coupling point in engine compartment, centre

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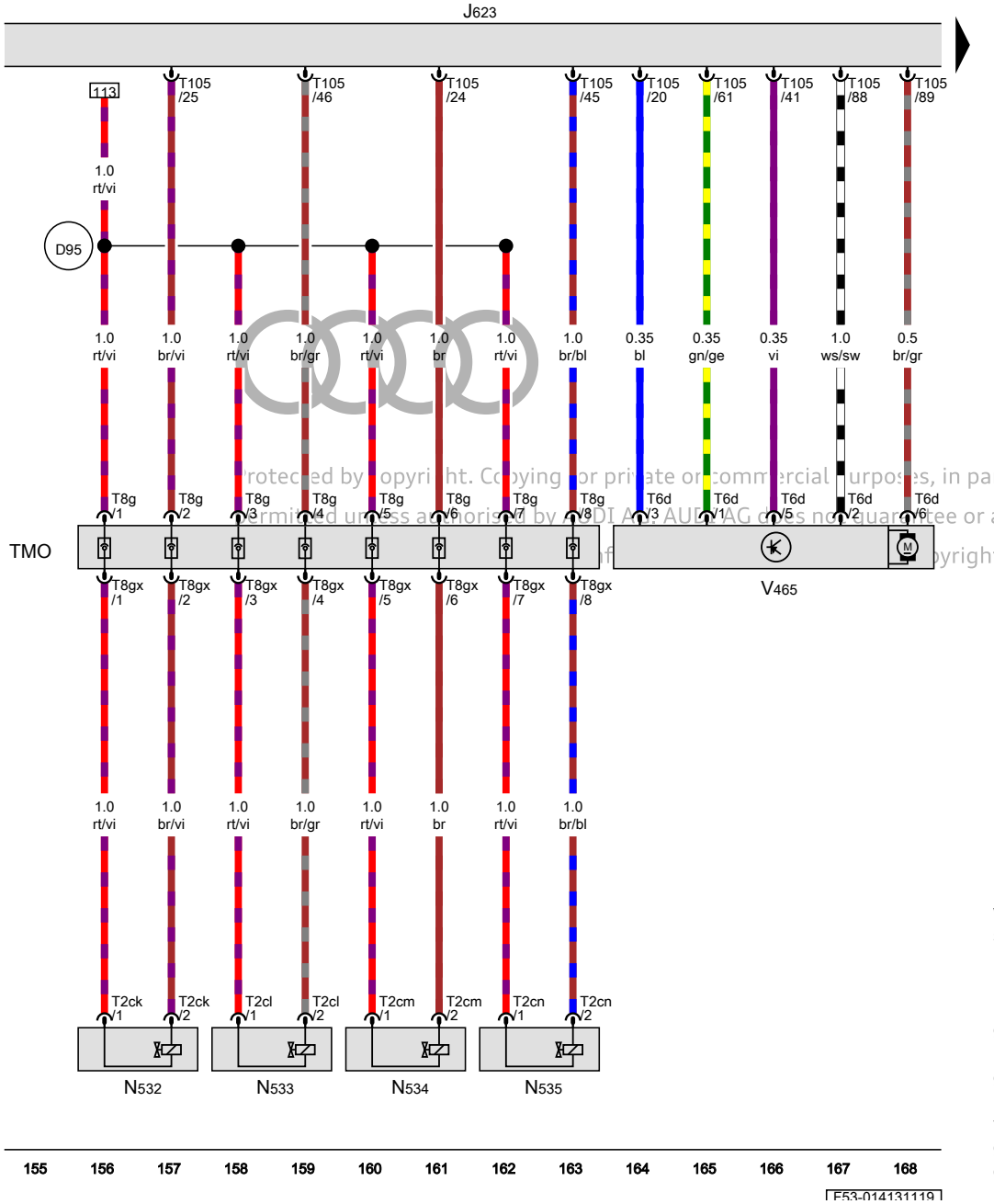
or	=	orange
rs	=	pink



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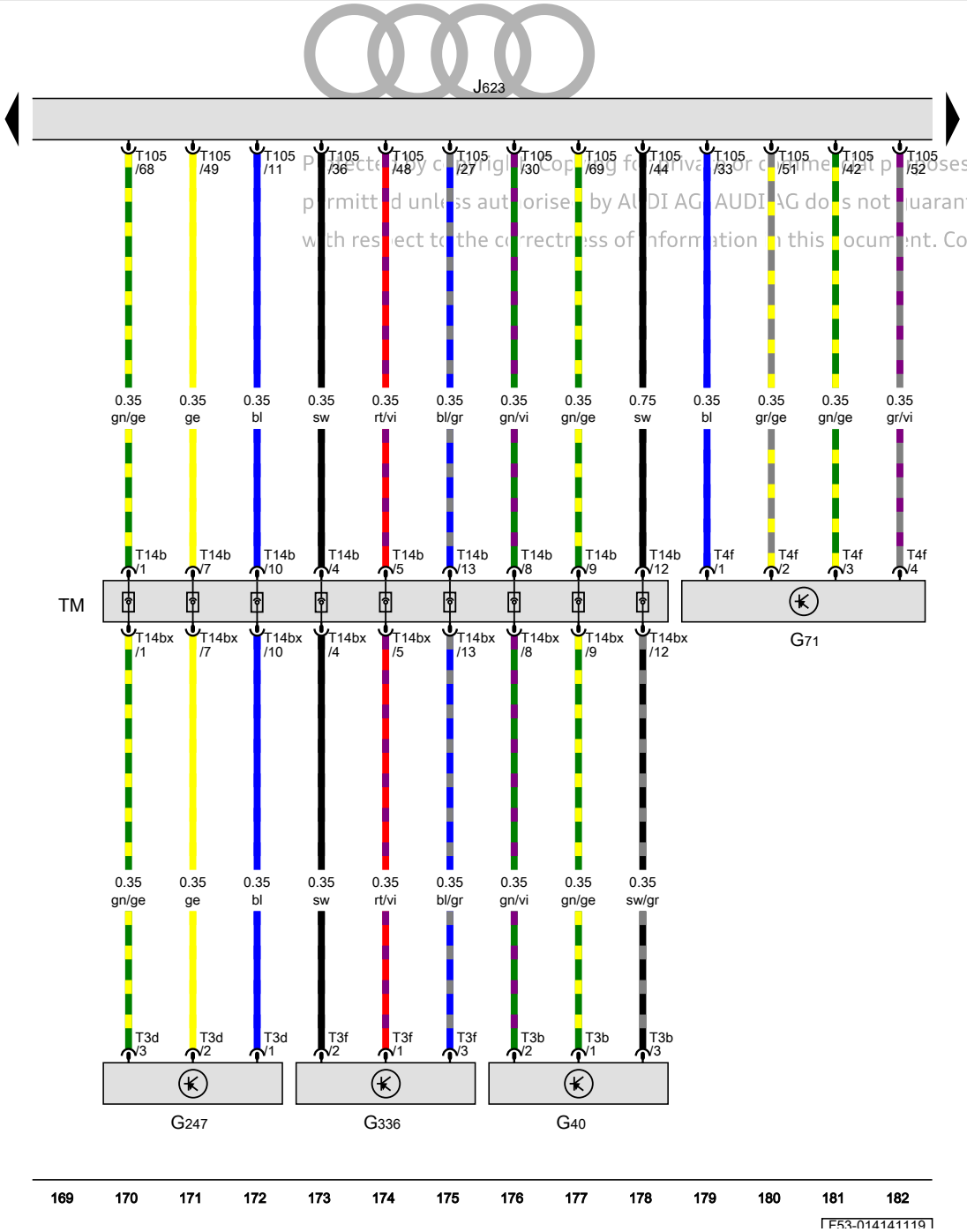
Engine/motor control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4, Charge pressure positioner

J623	Engine/motor control unit, front left in engine compartment
N532	Injector 2, cylinder 1
N533	Injector 2, cylinder 2
N534	Injector 2, cylinder 3
N535	Injector 2, cylinder 4
T2ck	2-pin connector, black
T2cl	2-pin connector, black
T2cm	2-pin connector, black
T2cn	2-pin connector, black
T6d	6-pin connector, grey
T8g	8-pin connector, black
T8gx	8-pin connector, black
T105	105-pin connector, black
TMO	Coupling point on engine, top
V465	Charge pressure positioner
D95	Connection (injectors), in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Hall sender, Intake manifold pressure sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine/motor control unit

G40	Hall sender
G71	Intake manifold pressure sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
J623	Engine/motor control unit, front left in engine compartment
T3b	3-pin connector, black
T3d	3-pin connector, black
T3f	3-pin connector, black
T4f	4-pin connector, black
T14b	14-pin connector, black
T14bx	14-pin connector, black
T105	105-pin connector, black
TM	Coupling point in engine compartment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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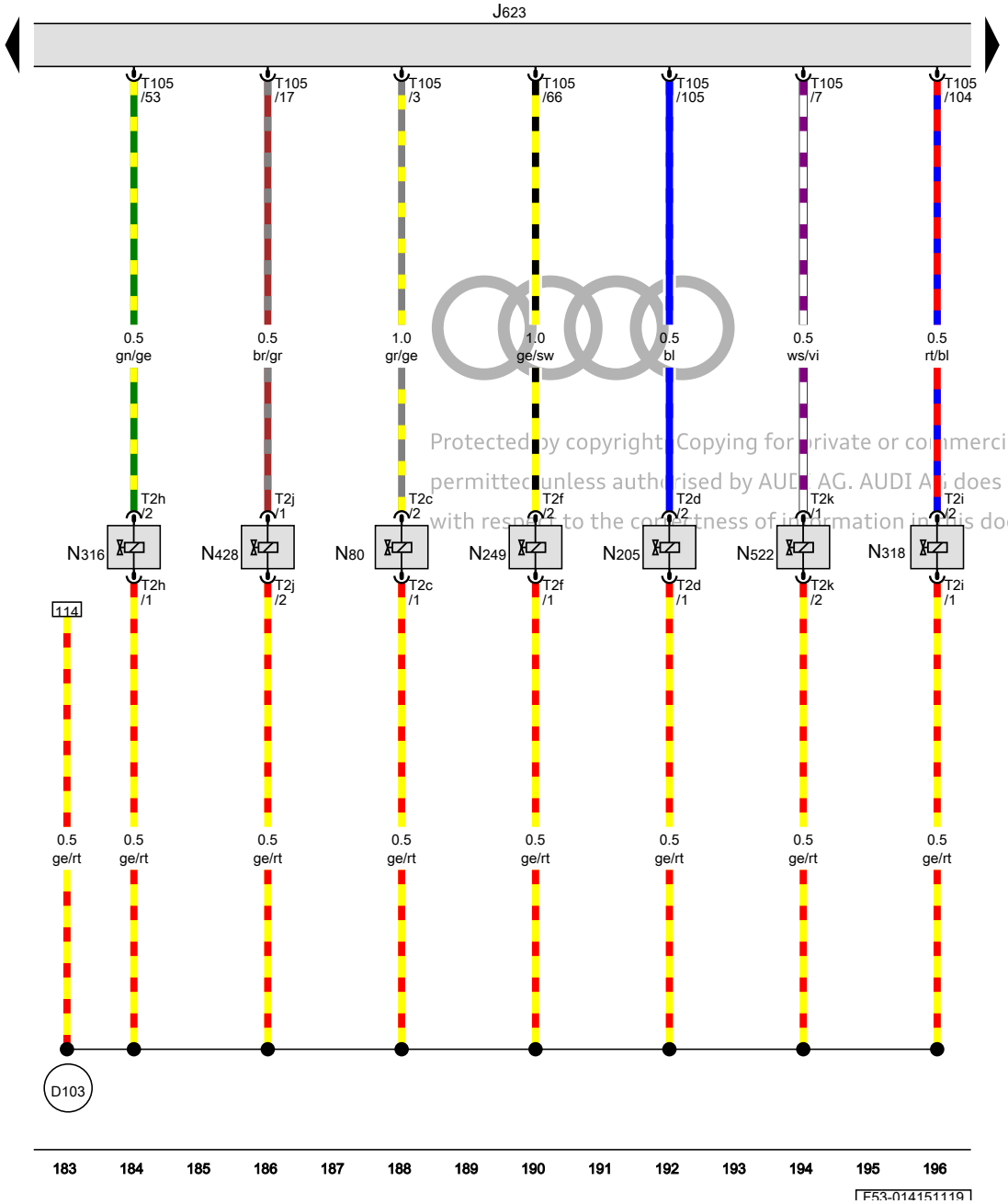

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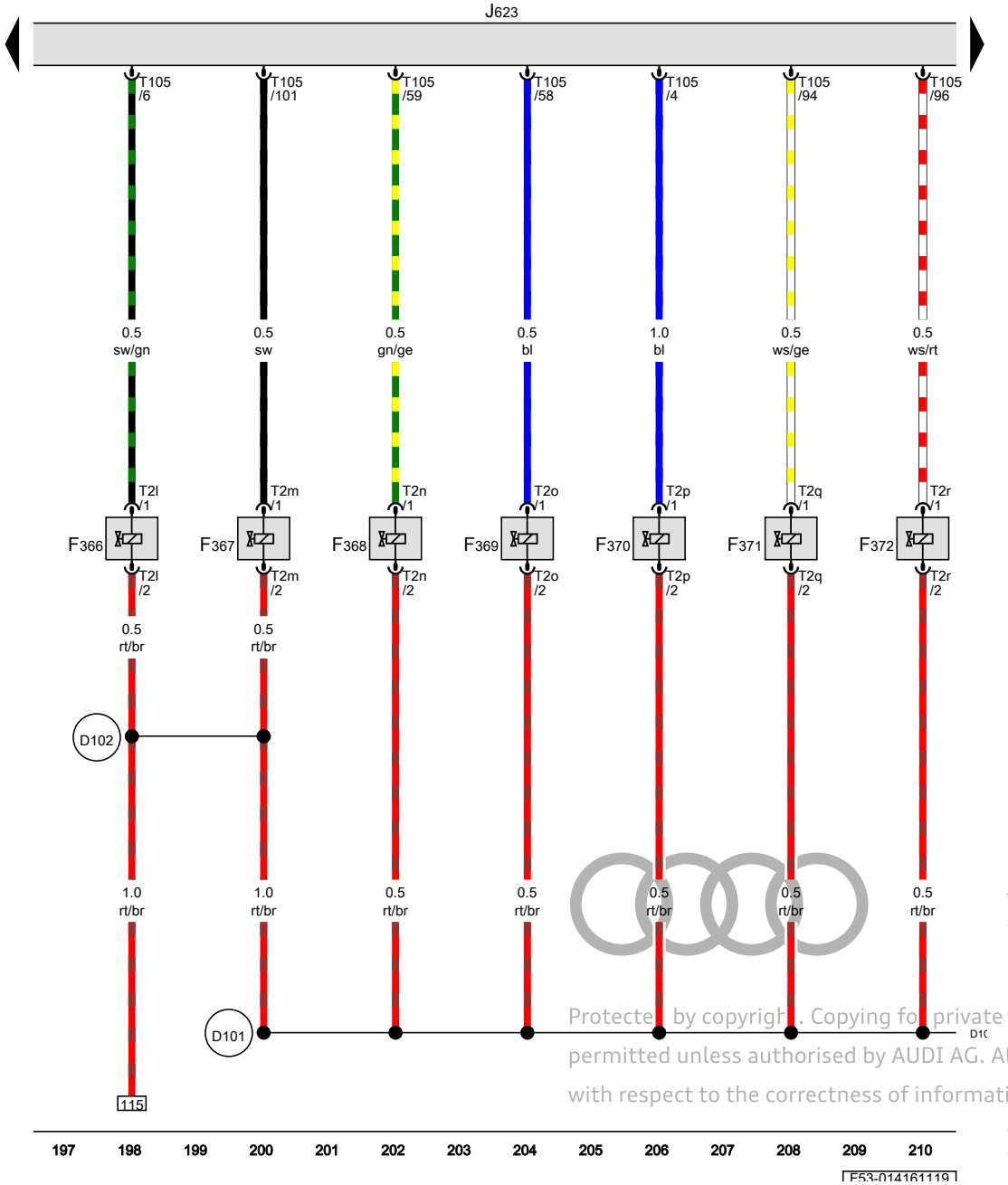
ge = yellow
or = orange
rs = pink

Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control, Piston cooling jet control valve

J623	Engine/motor control unit, front left in engine compartment
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
N522	Piston cooling jet control valve
T2c	2-pin connector, black
T2d	2-pin connector, black
T2f	2-pin connector, brown
T2h	2-pin connector, black
T2i	2-pin connector, black
T2j	2-pin connector, black
T2k	2-pin connector, black
T105	105-pin connector, black
D103	Connection 3 in engine compartment wiring harness



Cam adjustment actuator 1, Cam adjustment actuator 2, Cam adjustment actuator 3, Cam adjustment actuator 4, Cam adjustment actuator 5, Cam adjustment actuator 6, Cam adjustment actuator 7, Engine/motor control unit

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F370	Cam adjustment actuator 5
F371	Cam adjustment actuator 6
F372	Cam adjustment actuator 7
J623	Engine/motor control unit, front left in engine compartment
T2l	2-pin connector, black
T2m	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2p	2-pin connector, black
T2q	2-pin connector, black
T2r	2-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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or	=	orange
rs	=	pink

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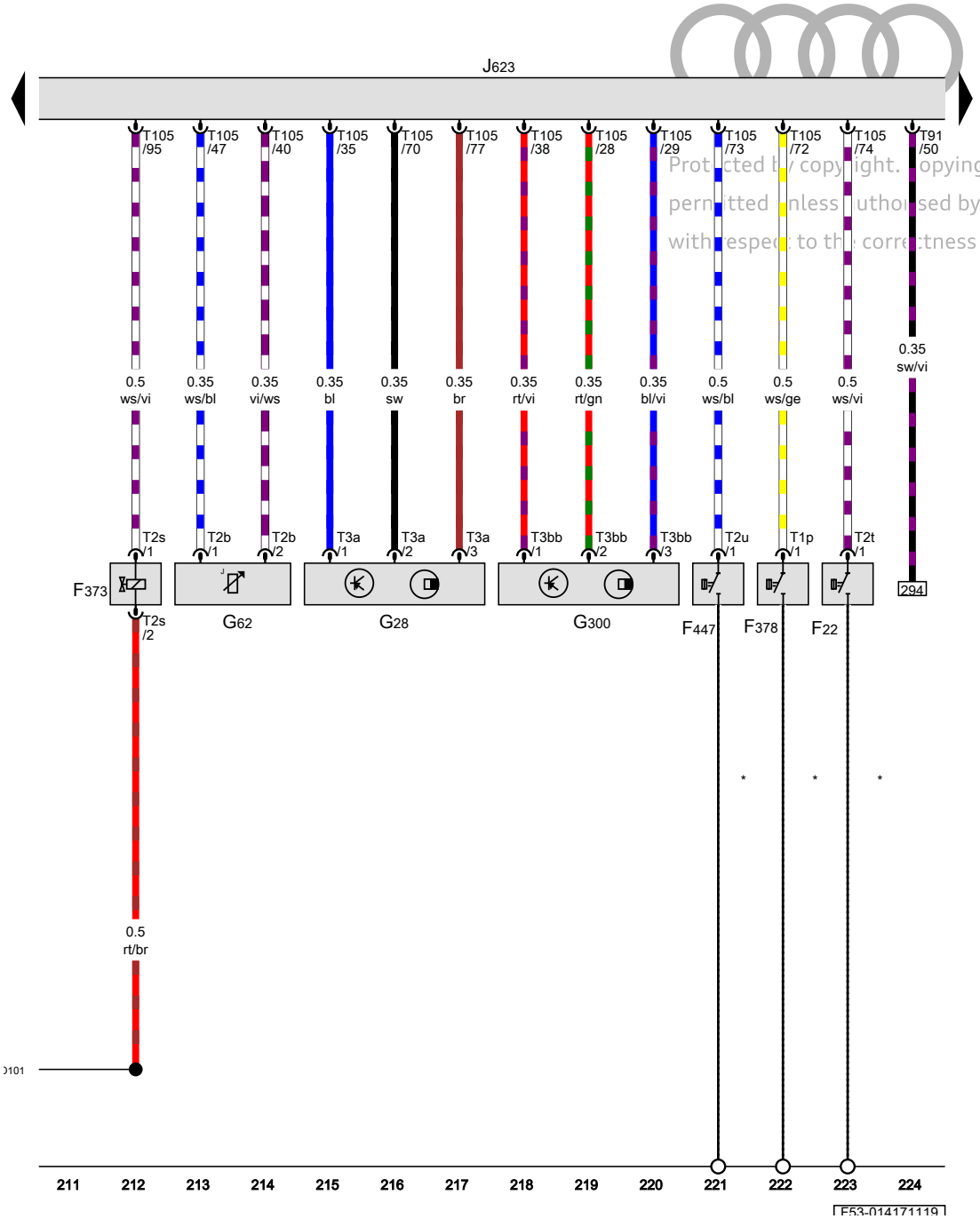

Oil pressure switch, Cam adjustment actuator 8, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Engine speed sender, Coolant temperature sender, Hall sender 3, Engine/motor control unit

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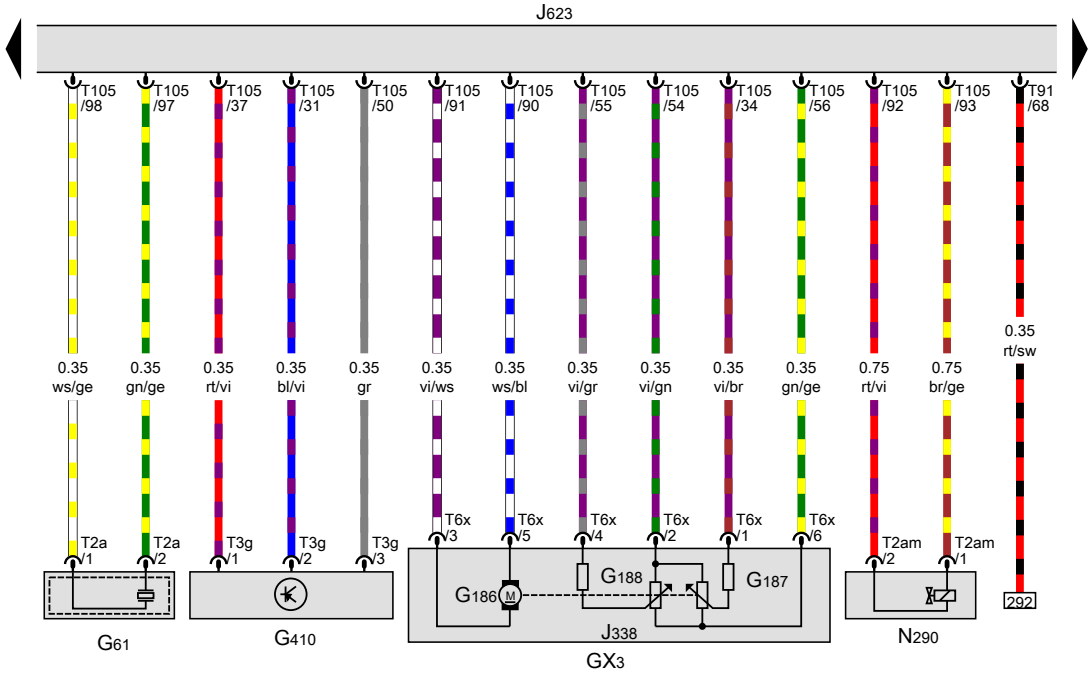
F22	Oil pressure switch
F373	Cam adjustment actuator 8
F378	Oil pressure switch for reduced oil pressure
F447	Stage 3 oil pressure switch
G28	Engine speed sender
G62	Coolant temperature sender
G300	Hall sender 3
J623	Engine/motor control unit, front left in engine compartment
T1p	1-pin connector, black
T2b	2-pin connector, black
T2s	2-pin connector, black
T2t	2-pin connector, black
T2u	2-pin connector, black
T3a	3-pin connector, black
T3bb	3-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Throttle valve module, Knock sensor 1, Fuel pressure sender for low pressure, Engine/motor control unit, Fuel metering valve

GX3	Throttle valve module
G61	Knock sensor 1
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
G410	Fuel pressure sender for low pressure
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
N290	Fuel metering valve
T2a	2-pin connector, black
T2am	2-pin connector, black
T3g	3-pin connector, black
T6x	6-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black

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225 226 227 228 229 230 231 232 233 234 235 236 237 238

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rt	=	red
br	=	brown
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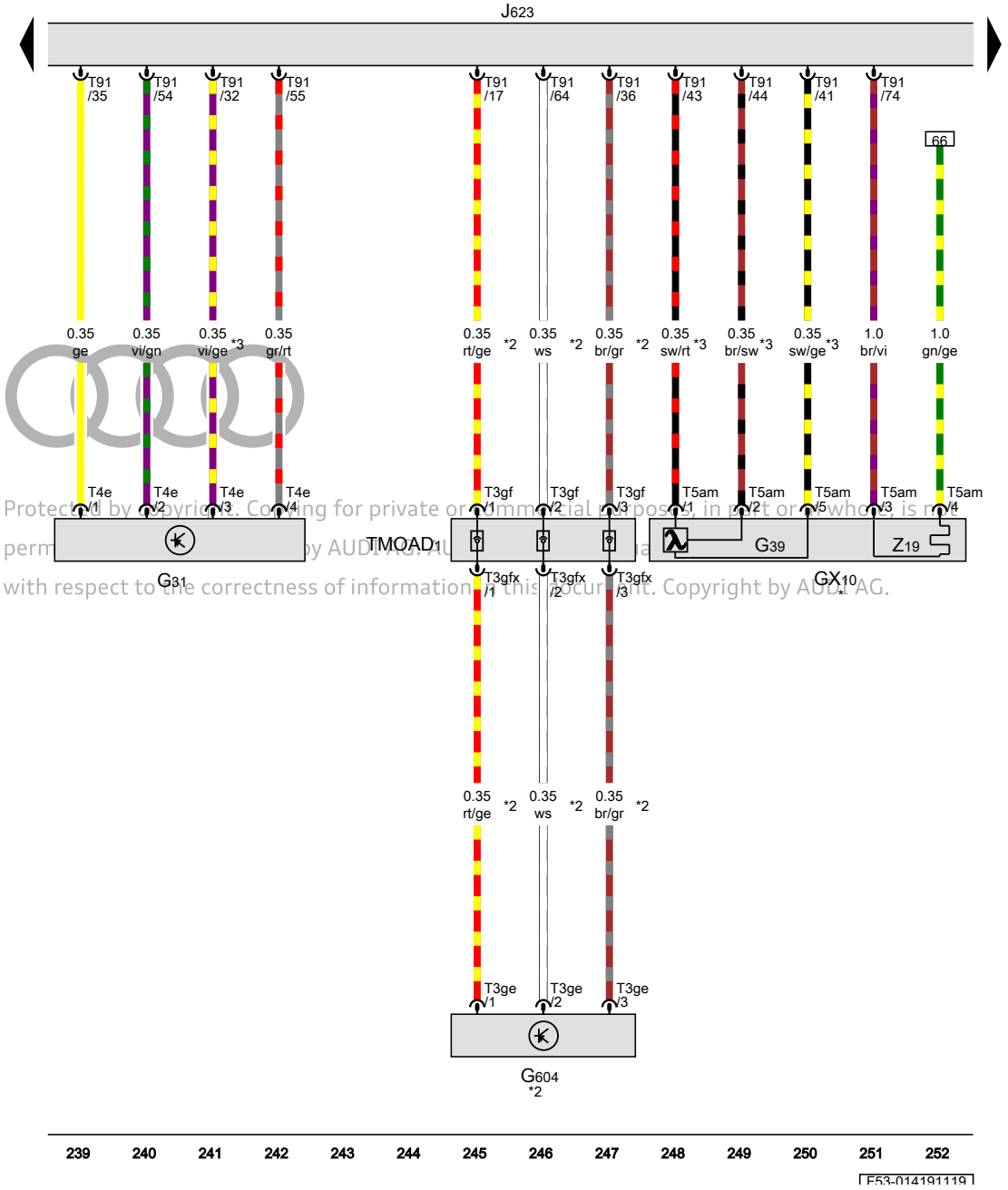

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Lambda probe 1 before catalytic converter, Charge pressure sender, Gear detection sensor, Engine/motor control unit, Lambda probe heater

GX10	Lambda probe 1 before catalytic converter
G31	Charge pressure sender
G39	Lambda probe
G604	Gear detection sensor
J623	Engine/motor control unit, front left in engine compartment
T3ge	3-pin connector, black, brown
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
T4e	4-pin connector, black
T5am	5-pin connector, black
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T91	91-pin connector, black
Z19	Lambda probe heater
*	Pre-wired component
*2	For models with manual gearbox
*3	Wiring colour depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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ge	=	yellow
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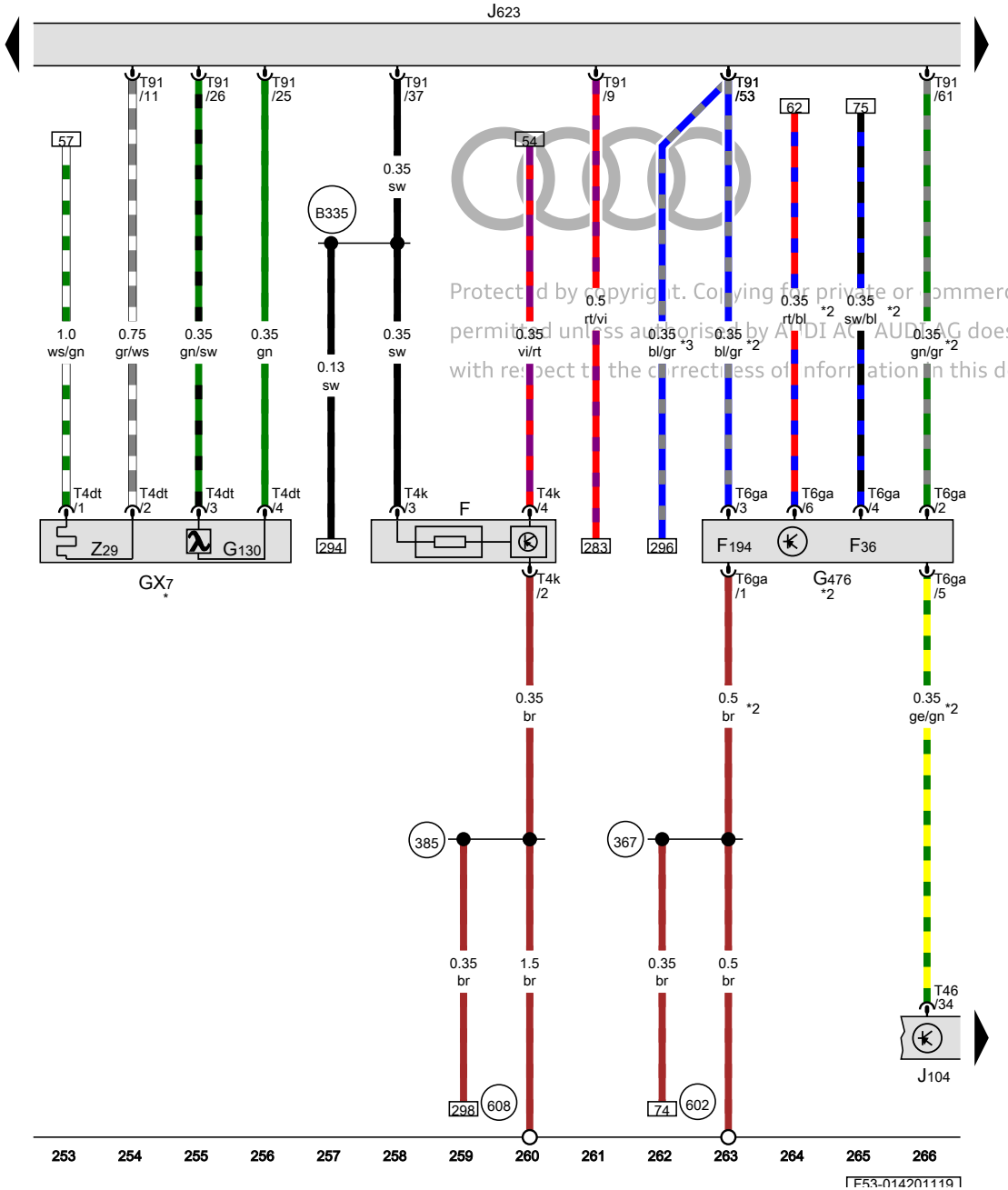
rs	=	pink



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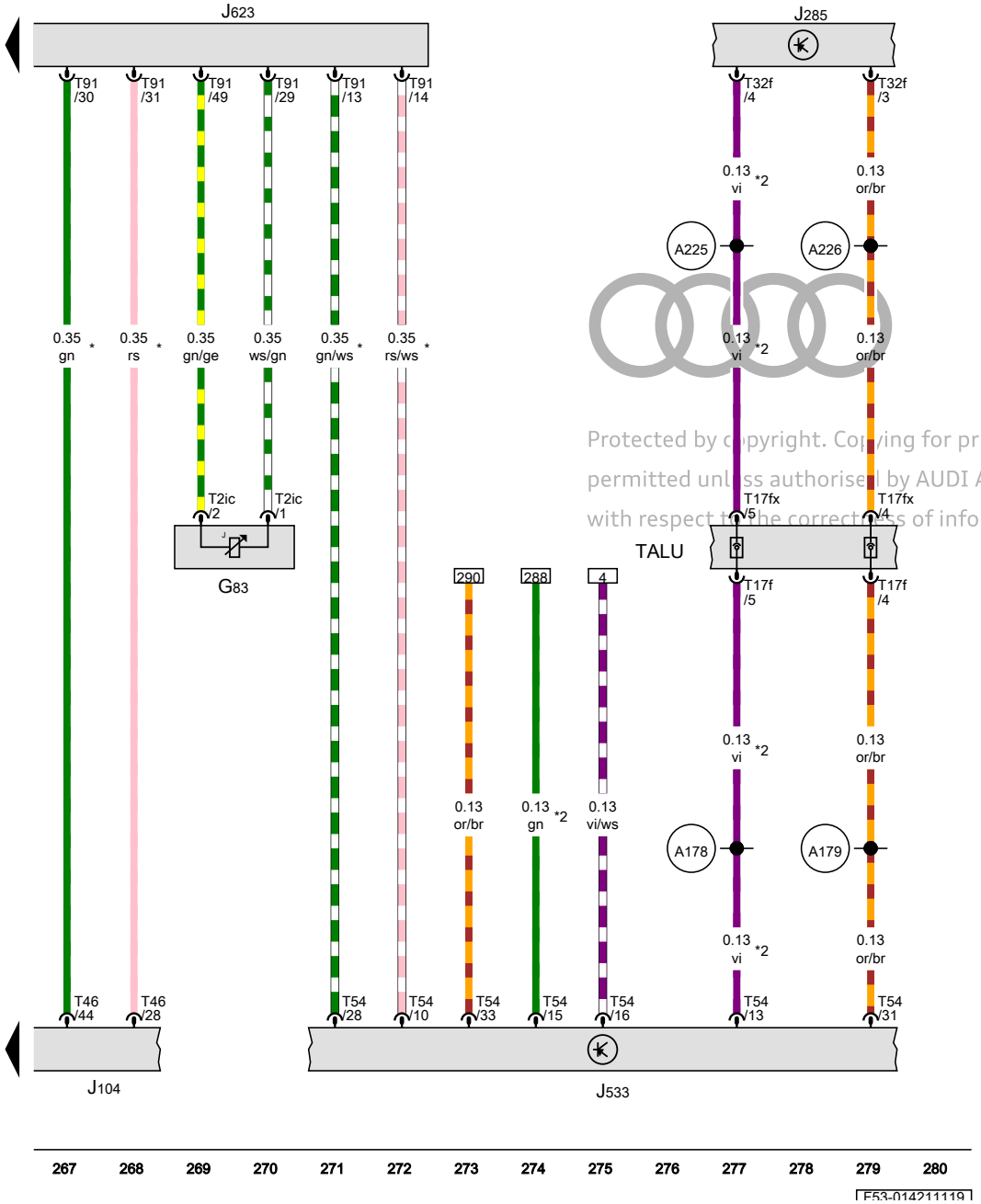
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Brake light switch, Clutch pedal switch, Clutch pedal switch for engine start, Lambda probe 1 after catalytic converter, Clutch position sender, Engine/motor control unit, Lambda probe 1 heater after catalytic converter

F	Brake light switch, on brake servo
F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
GX7	Lambda probe 1 after catalytic converter
G130	Lambda probe after catalytic converter
G476	Clutch position sender
J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
T4dt	4-pin connector, black
T4k	4-pin connector, black
T6ga	6-pin connector, black
T46	46-pin connector, black
T91	91-pin connector, black
Z29	Lambda probe 1 heater after catalytic converter
367	Earth connection 2, in main wiring harness
385	Earth connection 20, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
*	Pre-wired component
*2	For models with manual gearbox
*3	For models with automatic gearbox



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Radiator outlet coolant temperature sender, Control unit in dash panel insert, Data bus diagnostic interface, Engine/ motor control unit

G83	Radiator outlet coolant temperature sender
J104	ABS control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
T2ic	2-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
T46	46-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	Data bus wire (FlexRay bus)
*2	Wiring colour depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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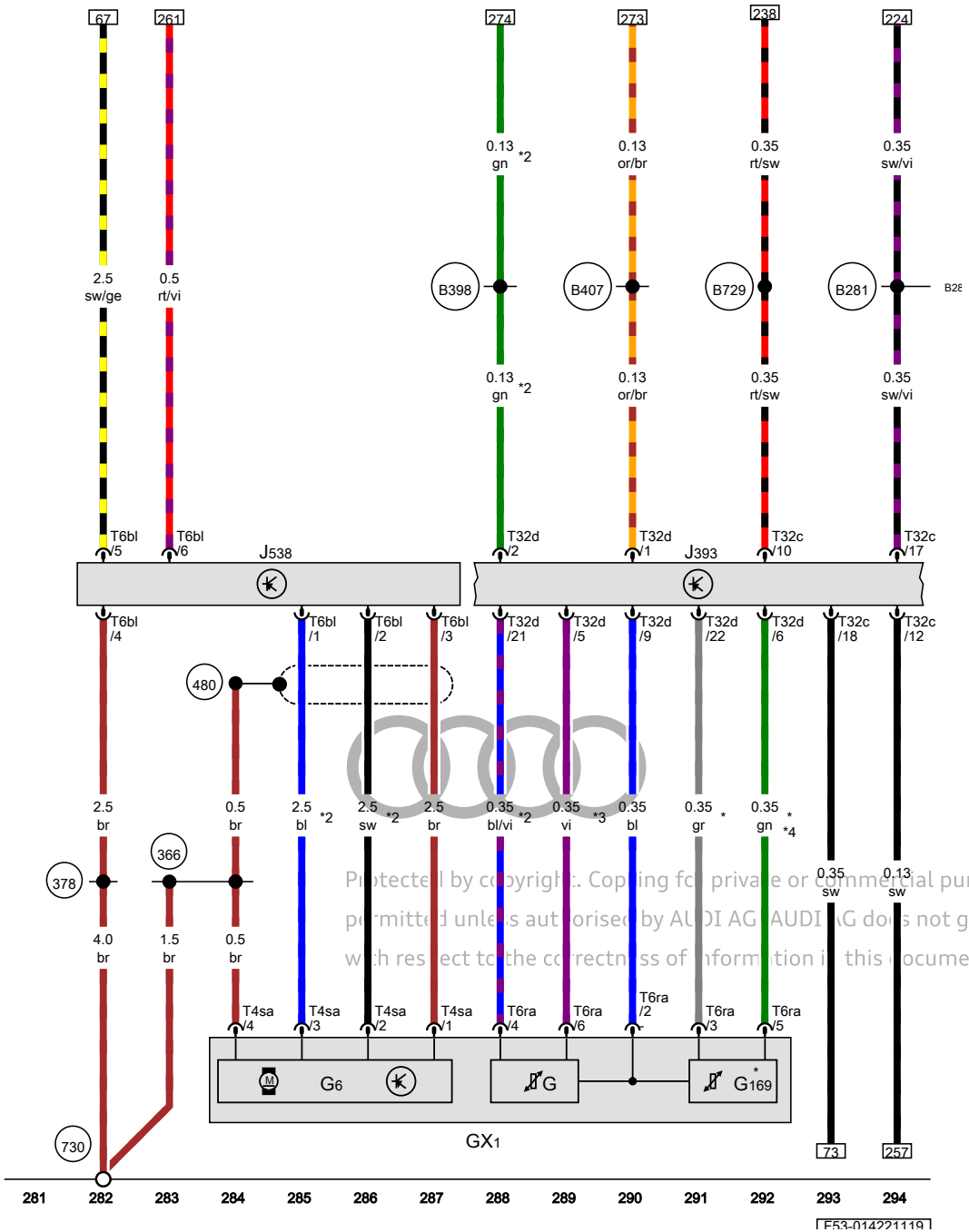
rs	=	pink



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Fuel delivery unit, Convenience system central control unit, Fuel pump control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Wiring colour depends on equipment
*3	According to equipment
*4	Up to July 2018

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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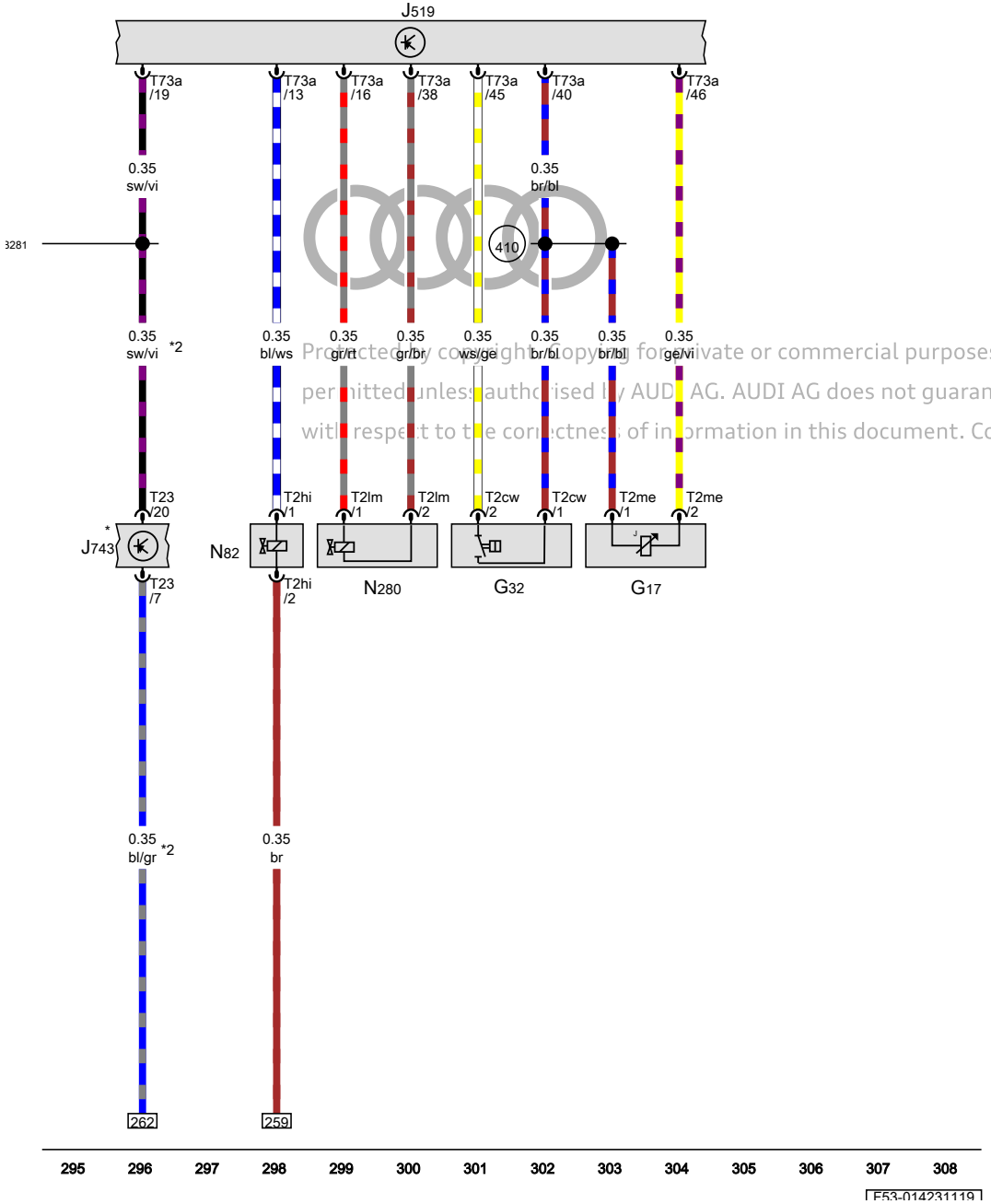
rs	=	pink



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Ambient temperature sensor, Coolant shortage indicator sender, Onboard supply control unit, Mechatronic unit for dual clutch gearbox, Coolant shut-off valve, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
J519	Onboard supply control unit
J743	Mechatronic unit for dual clutch gearbox
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T2lm	2-pin connector, black
T2me	2-pin connector, black
T23	23-pin connector, black
T73a	73-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	For models with automatic gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

2.0l diesel engine , CZHA,DESA,DETA,DETB,DEUA,DEUB,DEUC

From July 2016

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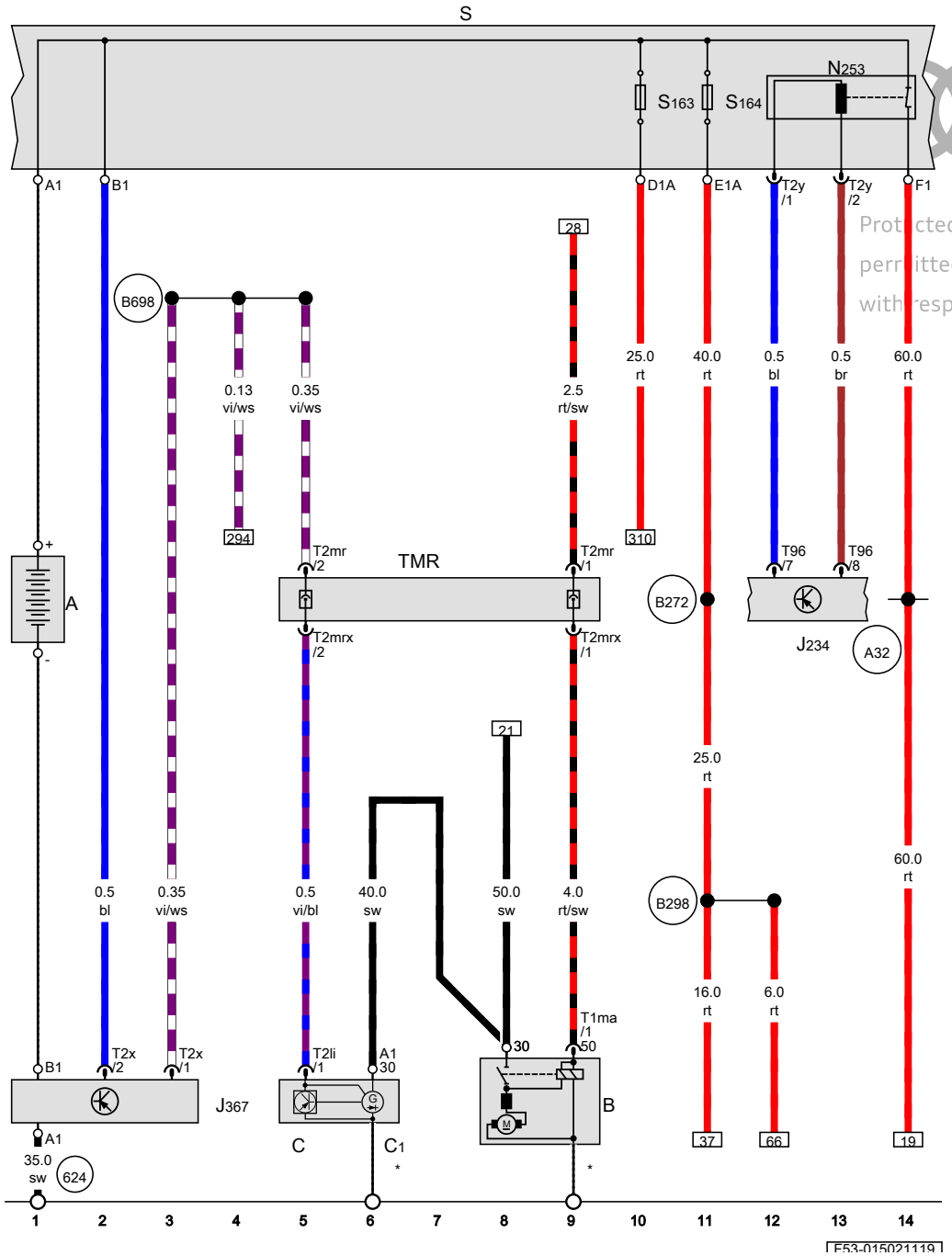

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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Battery, Starter, Alternator, Battery monitor control unit, Battery isolation igniter, Fuses in fuse holder

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
A32	Positive connection (30), in dash panel wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

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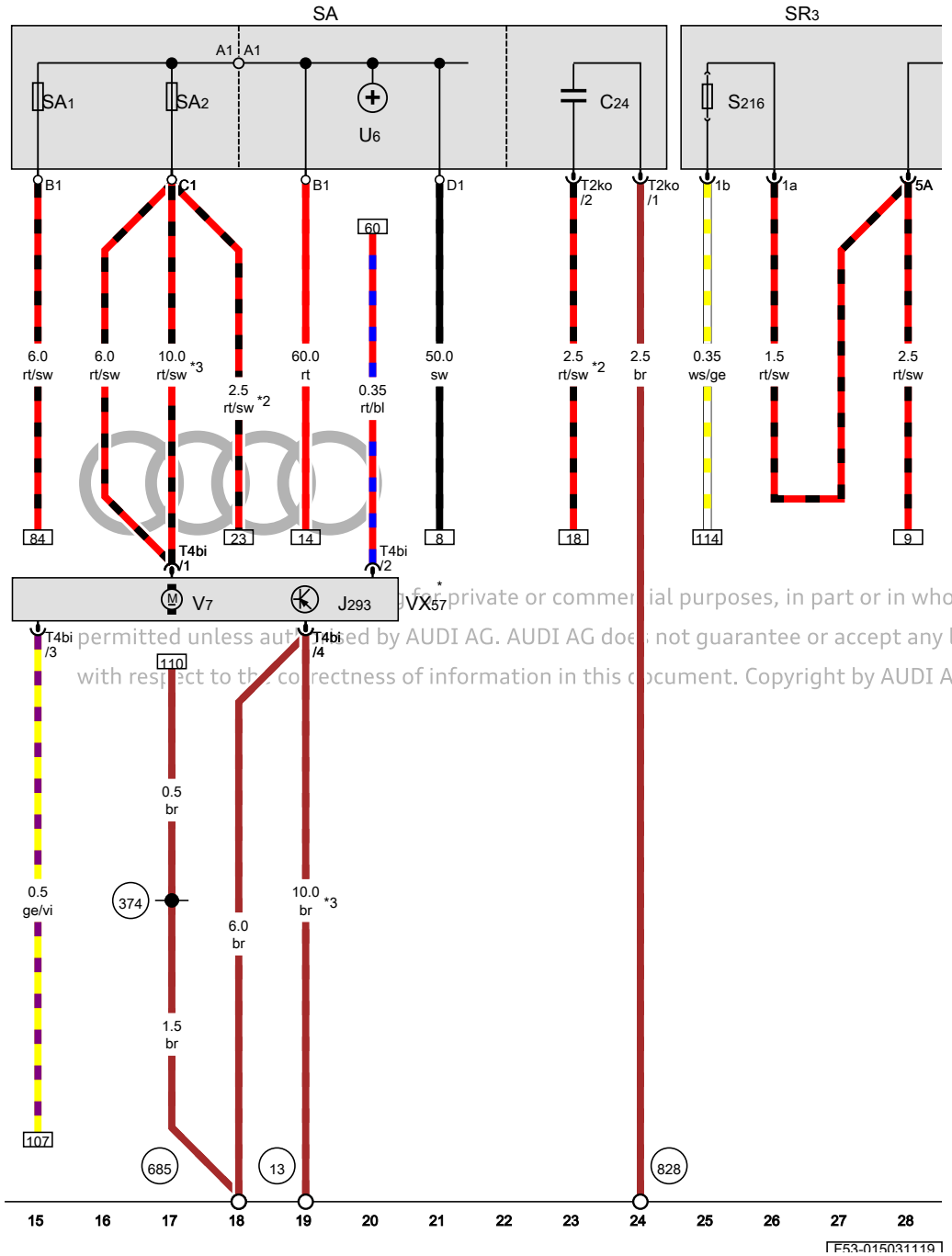

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Suppression filter, Radiator fan control unit, Fuse holder A, Relay and fuse carrier 3, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
SA	Fuse holder A
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SR3	Relay and fuse carrier 3
S216	Fuse (50)
T2ko	2-pin connector, black
T4bi	4-pin connector, black
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
13	Earth point, on right in engine compartment
374	Earth connection 9, in main wiring harness
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	Cross-section 4.0 possible
*3	For countries with hot climate

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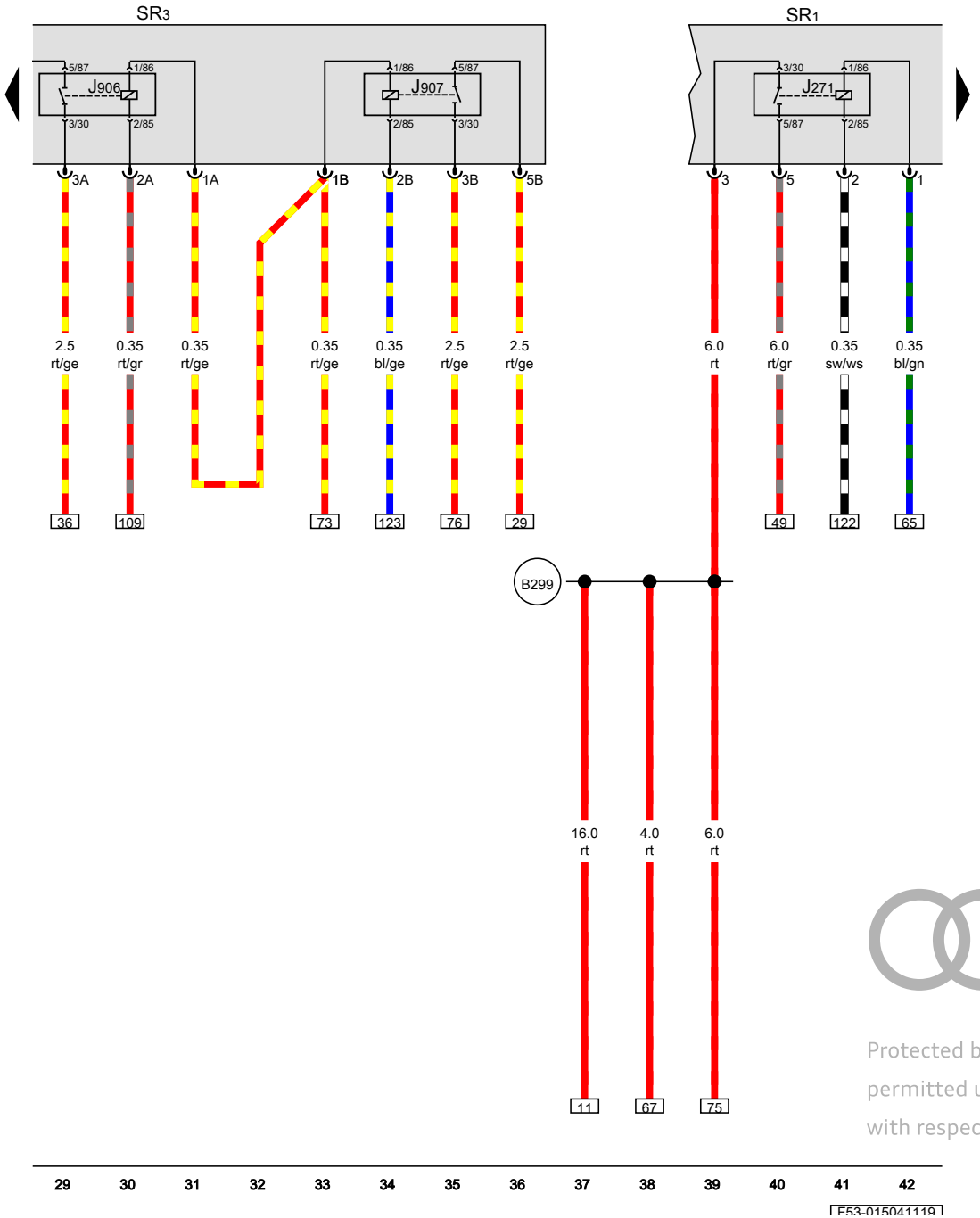

Main relay, Starter relay 1, Starter relay 2, Relay and fuse carrier 1, Relay and fuse carrier 3

J271	Main relay
J906	Starter relay 1
J907	Starter relay 2
SR1	Relay and fuse carrier 1
SR3	Relay and fuse carrier 3
B299	Positive connection 3 (30), in main wiring harness

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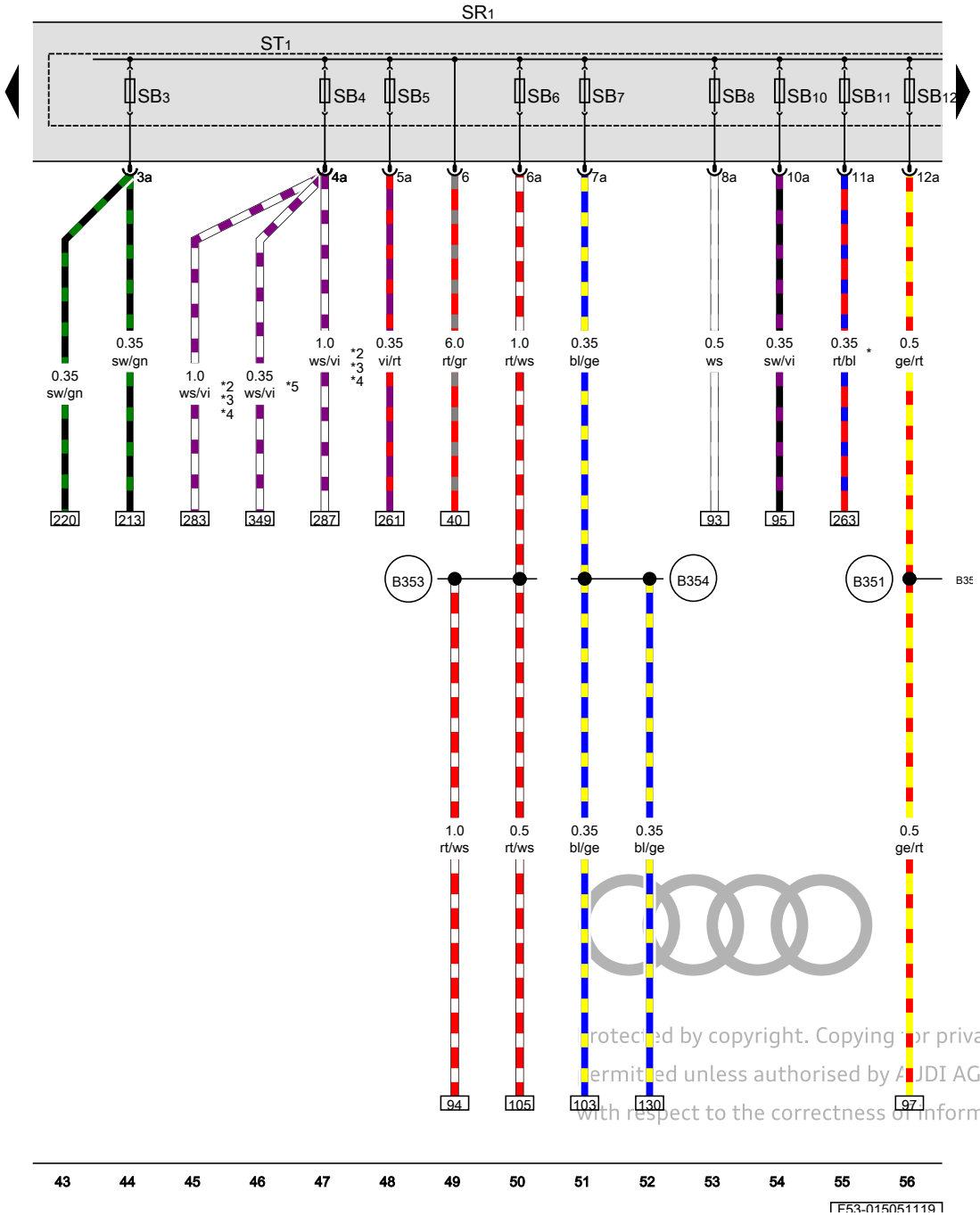

Fuse carrier 1, Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB3	Fuse 3 on fuse holder B
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
B351	Positive connection 2 (87a) in main wiring harness
B353	Positive connection 4 (87a) in main wiring harness
B354	Positive connection 5 (87a) in main wiring harness
*	For models with manual gearbox
*2	For emission standard Euro 6 AG/H/I
*3	For emission standard Euro 6 BG/H/I
*4	For emission standard Euro 6 DG
*5	According to equipment

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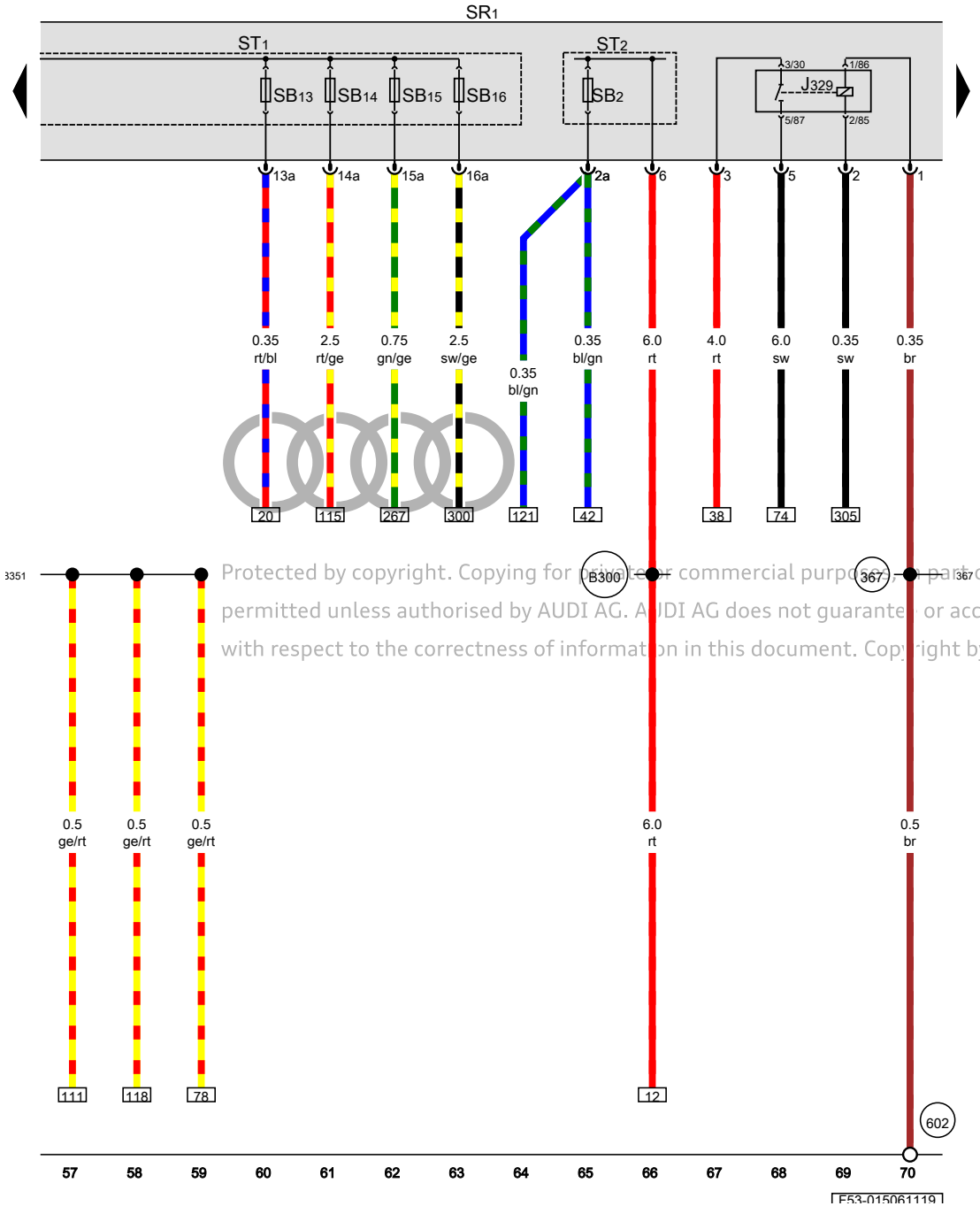

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Terminal 15 voltage supply relay, Fuse carrier 1, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
B300	Positive connection 4 (30), in main wiring harness
B351	Positive connection 2 (87a) in main wiring harness

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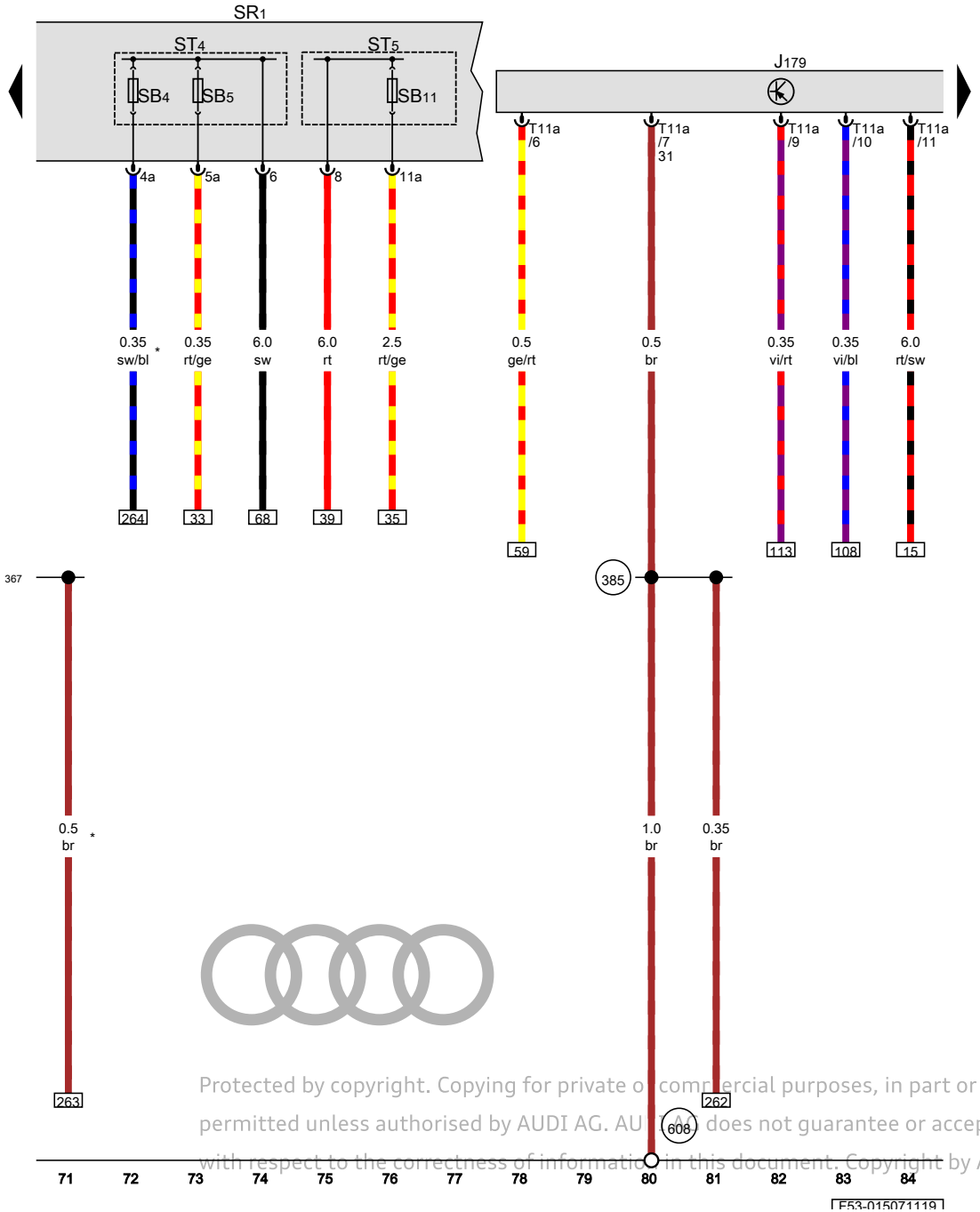

Automatic glow period control unit, Relay and fuse carrier 1

J179	Automatic glow period control unit
SR1	Relay and fuse carrier 1
ST4	Fuse carrier 4, black
SB4	Fuse 4 on fuse holder B
ST5	Fuse carrier 5
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
T11a	11-pin connector, black
367	Earth connection 2, in main wiring harness
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
*	For models with manual gearbox

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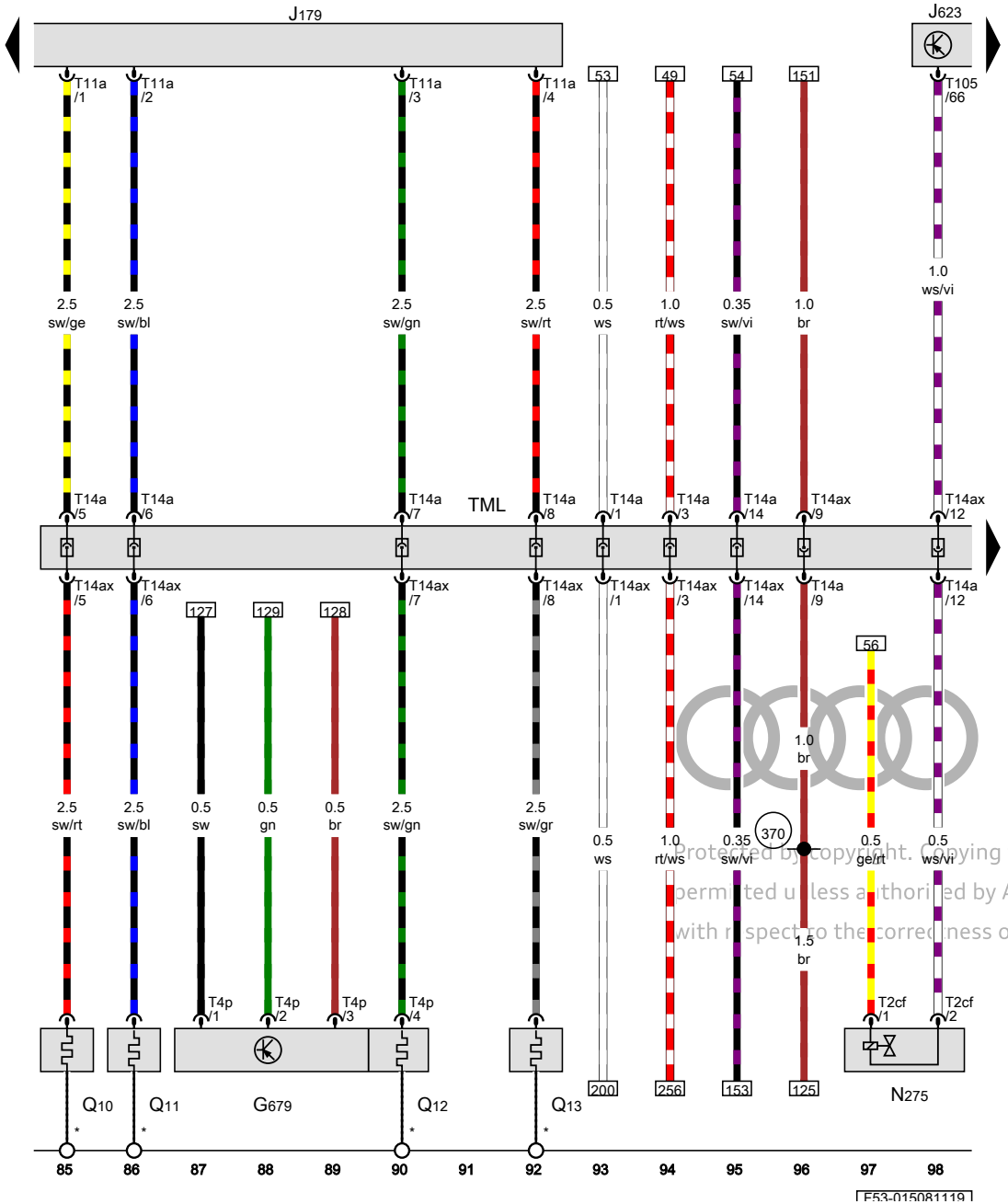

Automatic glow period control unit, Engine/motor control unit, Air filter bypass flap valve

G679	Cylinder 3 combustion chamber pressure sender
J179	Automatic glow period control unit
J623	Engine/motor control unit, in plenum chamber
N275	Air filter bypass flap valve
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
T2cf	2-pin connector, black
T4p	4-pin connector, black
T11a	11-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
370	Earth connection 5, in main wiring harness
*	Earth supply via housing

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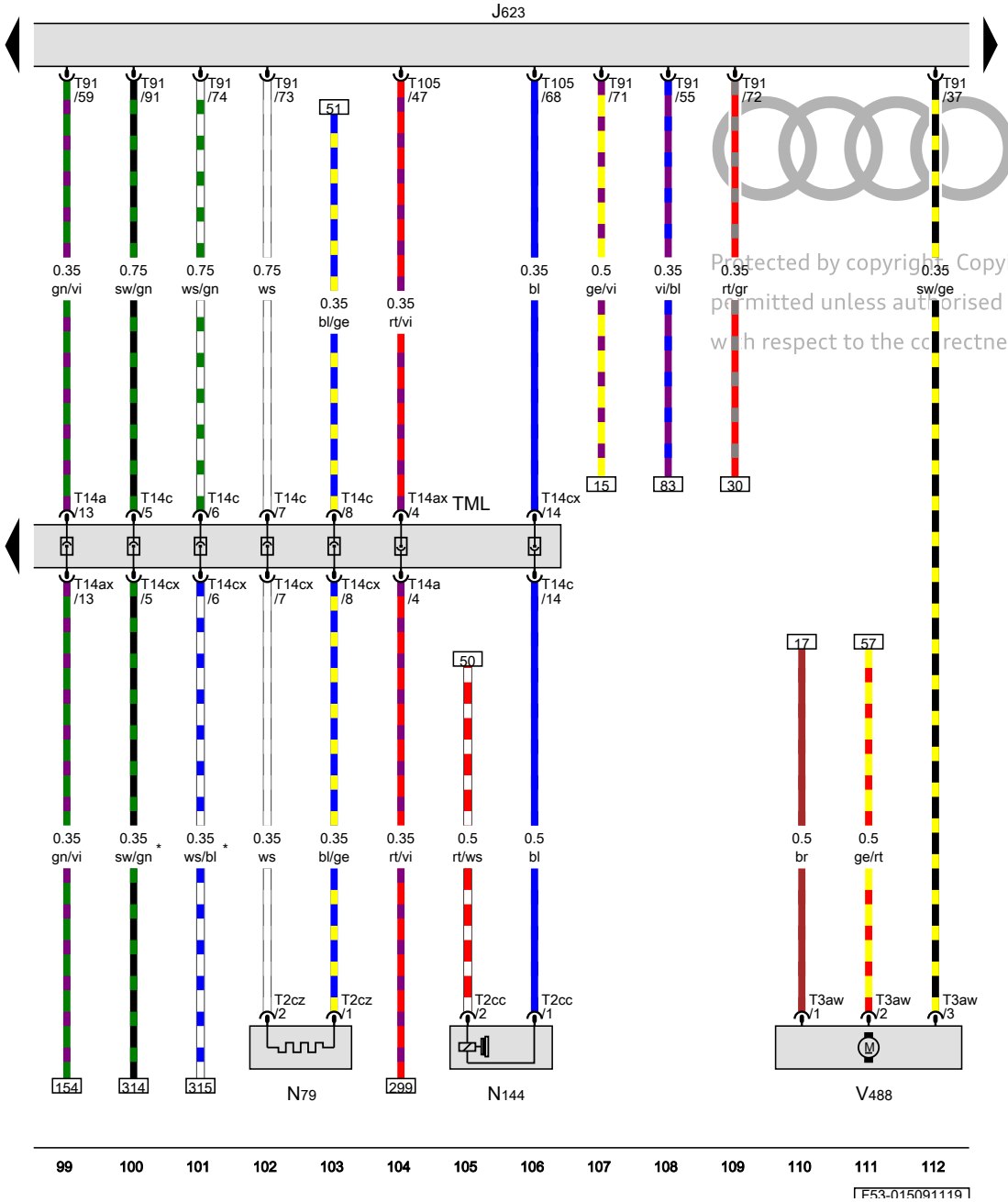
Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Auxiliary pump for heating

J623	Engine/motor control unit, in plenum chamber
N79	Heater element for crankcase breather
N144	Left electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cz	2-pin connector, black
T3aw	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
V488	Auxiliary pump for heating
*	For models with reducing agent metering system



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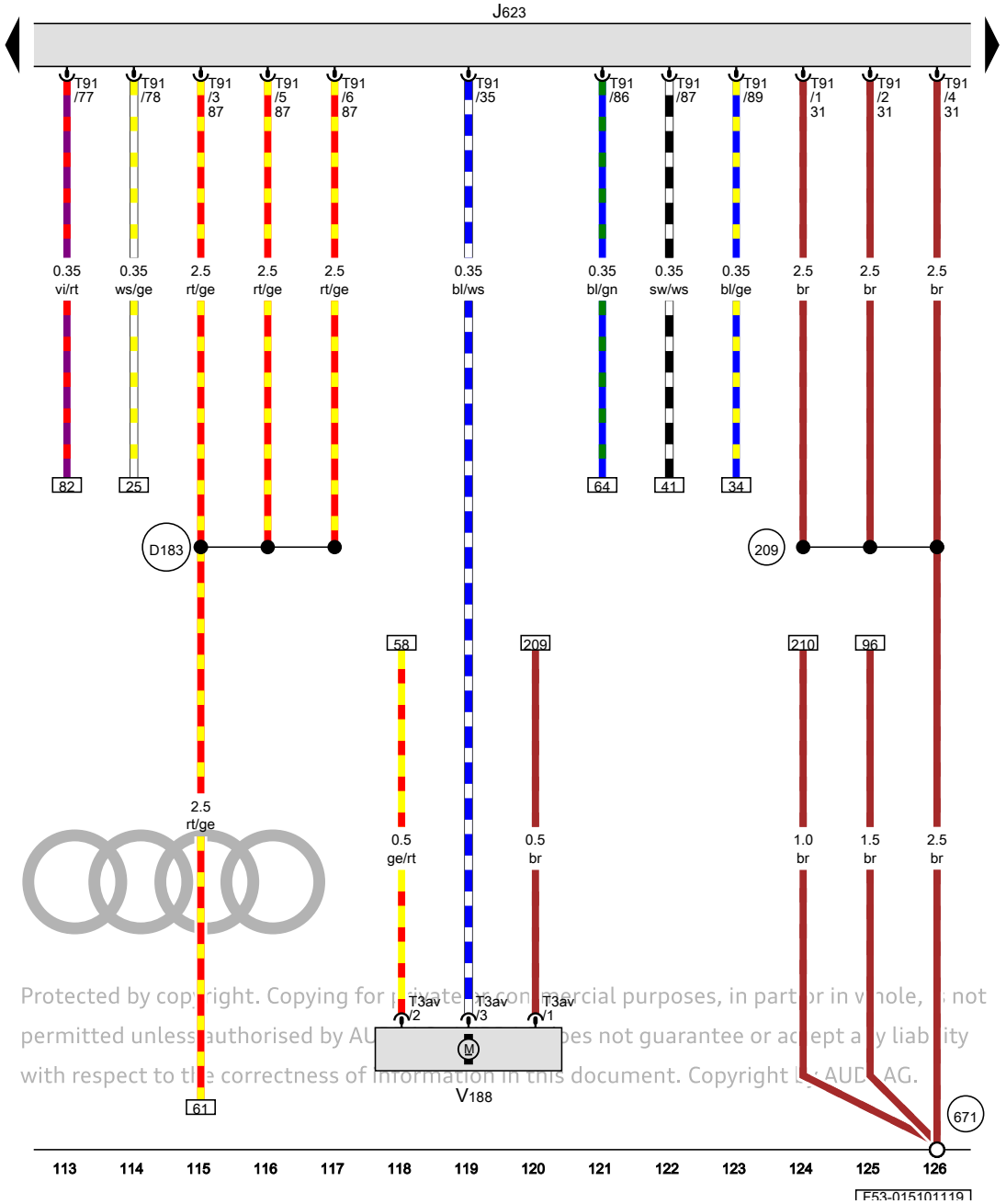

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Engine/motor control unit

J623	Engine/motor control unit, in plenum chamber
T3av	3-pin connector, black
T91	91-pin connector, black
V188	Charge air cooling pump
209	Earth connection 6, in engine compartment wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness

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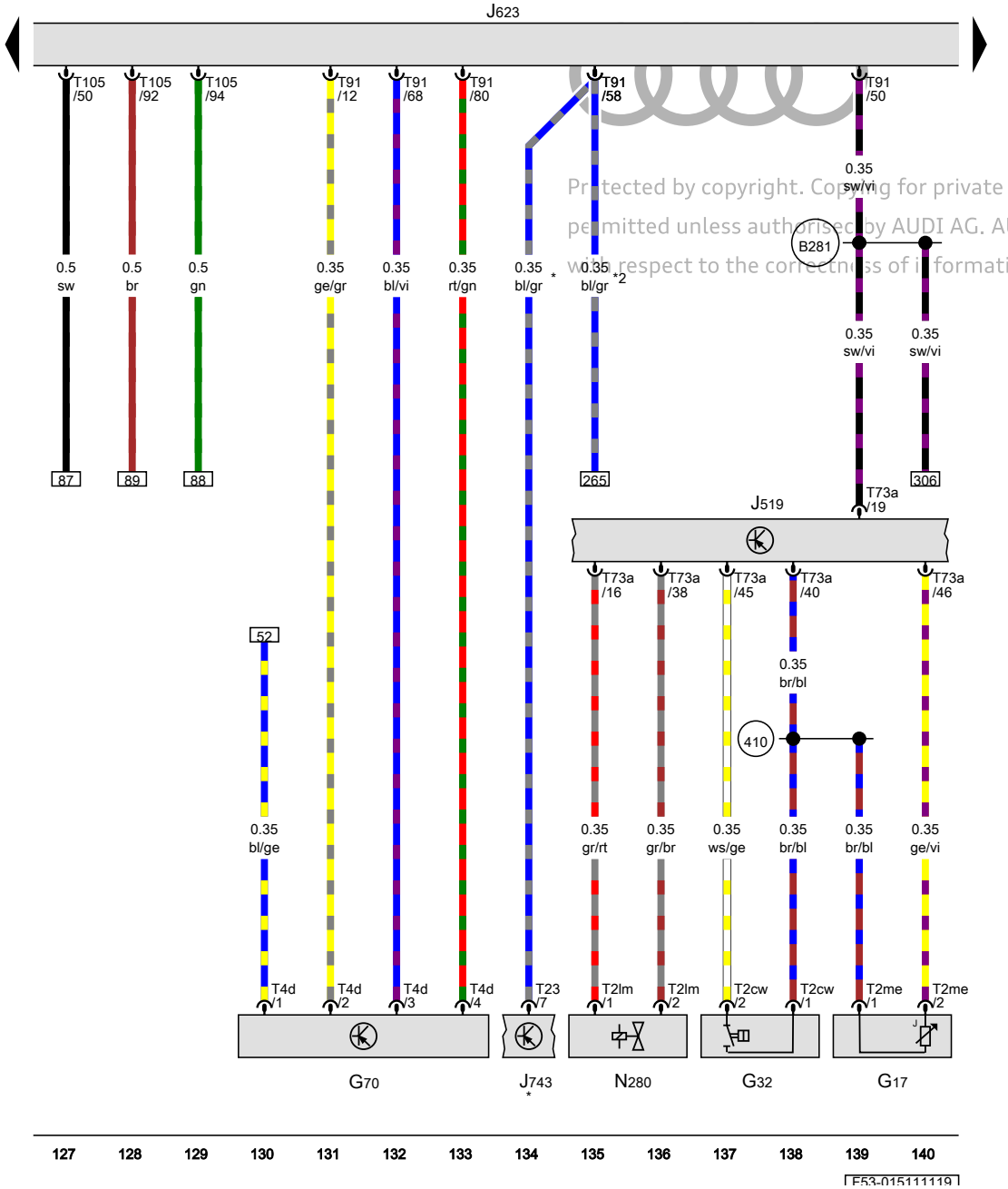

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Ambient temperature sensor, Coolant shortage indicator sender, Air mass meter, Onboard supply control unit, Engine/motor control unit, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G70	Air mass meter
J519	Onboard supply control unit
J623	Engine/motor control unit, in plenum chamber
J743	Mechatronic unit for dual clutch gearbox
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2lm	2-pin connector, black
T2me	2-pin connector, black
T4d	4-pin connector, black
T23	23-pin connector
T73a	73-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	For models with dual clutch gearbox (DSG)
*2	For models with manual gearbox

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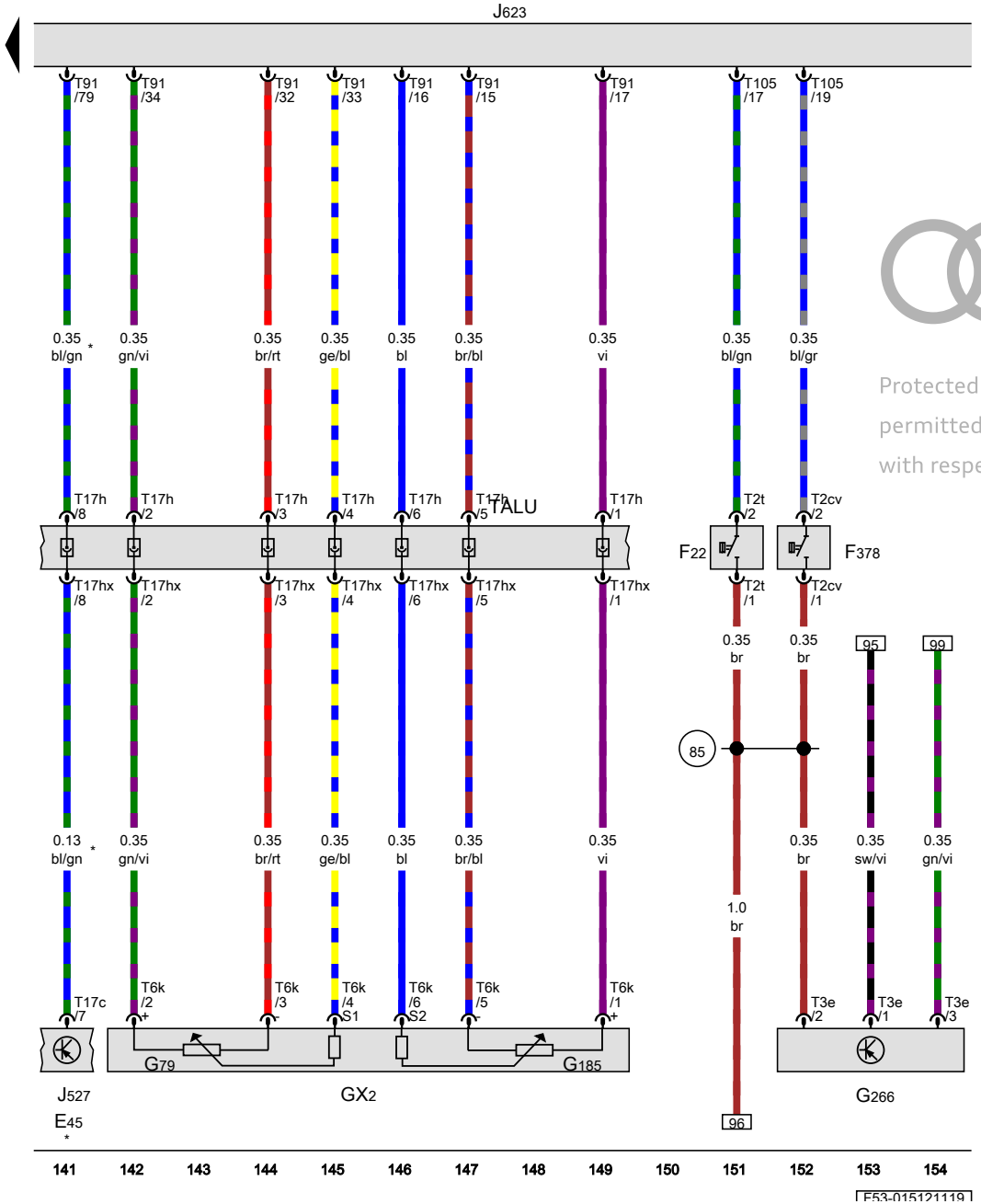

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Accelerator pedal module, Oil level and oil temperature sender, Engine/motor control unit

E45	Cruise control system switch
F22	Oil pressure switch
F378	Oil pressure switch for reduced oil pressure
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
G266	Oil level and oil temperature sender
J527	Steering column electronics control unit
J623	Engine/motor control unit, in plenum chamber
T2cv	2-pin connector, black
T2t	2-pin connector, black
T3e	3-pin connector, black
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
T105	105-pin connector, black
TALU	Coupling point on left A-pillar, bottom
85	Earth connection 1, in engine compartment wiring harness
*	For models with cruise control system (CCS)

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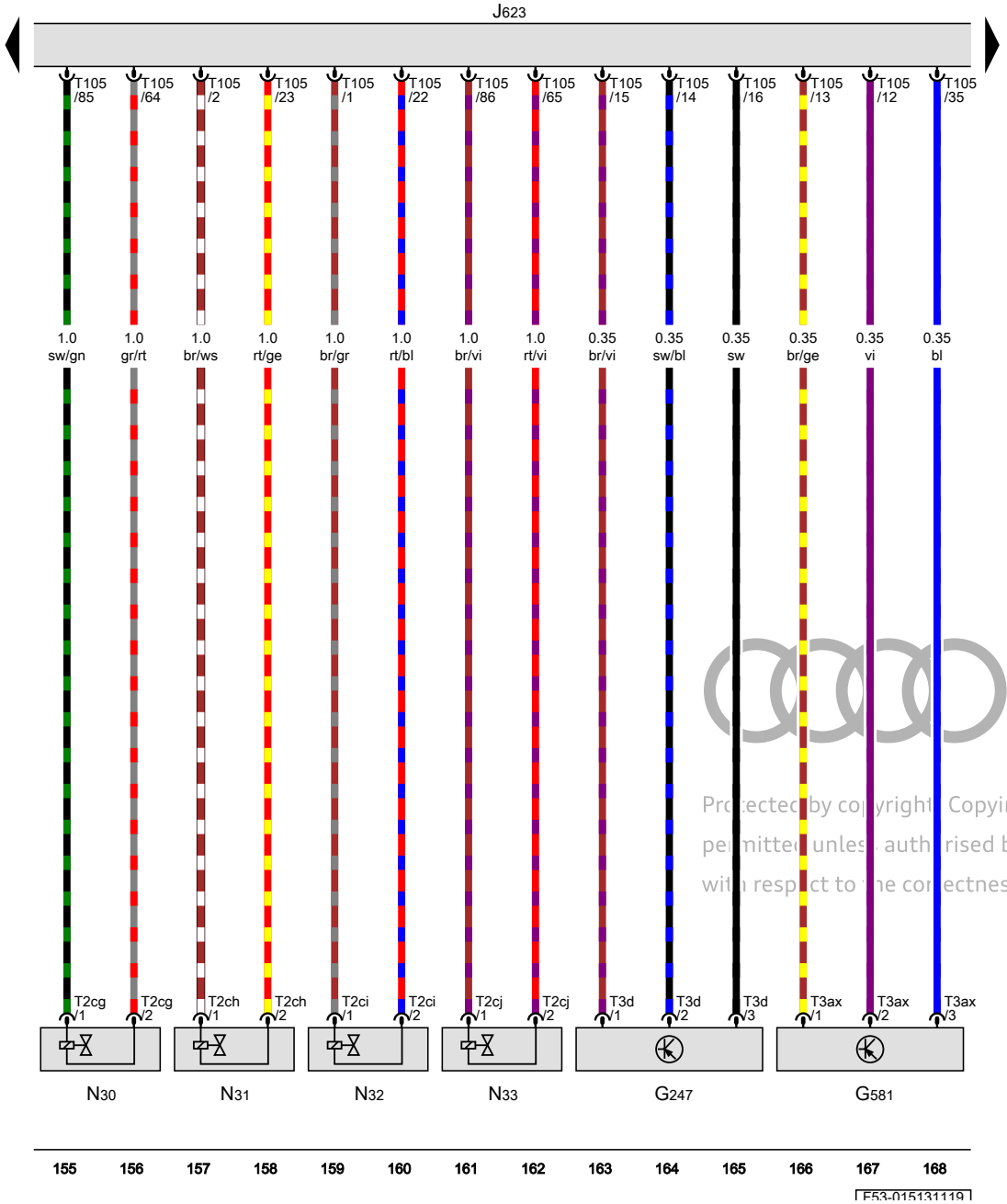

Fuel pressure sender, Position sender for charge pressure positioner, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

G247	Fuel pressure sender
G581	Position sender for charge pressure positioner
J623	Engine/motor control unit, in plenum chamber
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T3ax	3-pin connector, brown
T3d	3-pin connector, black
T105	105-pin connector, black

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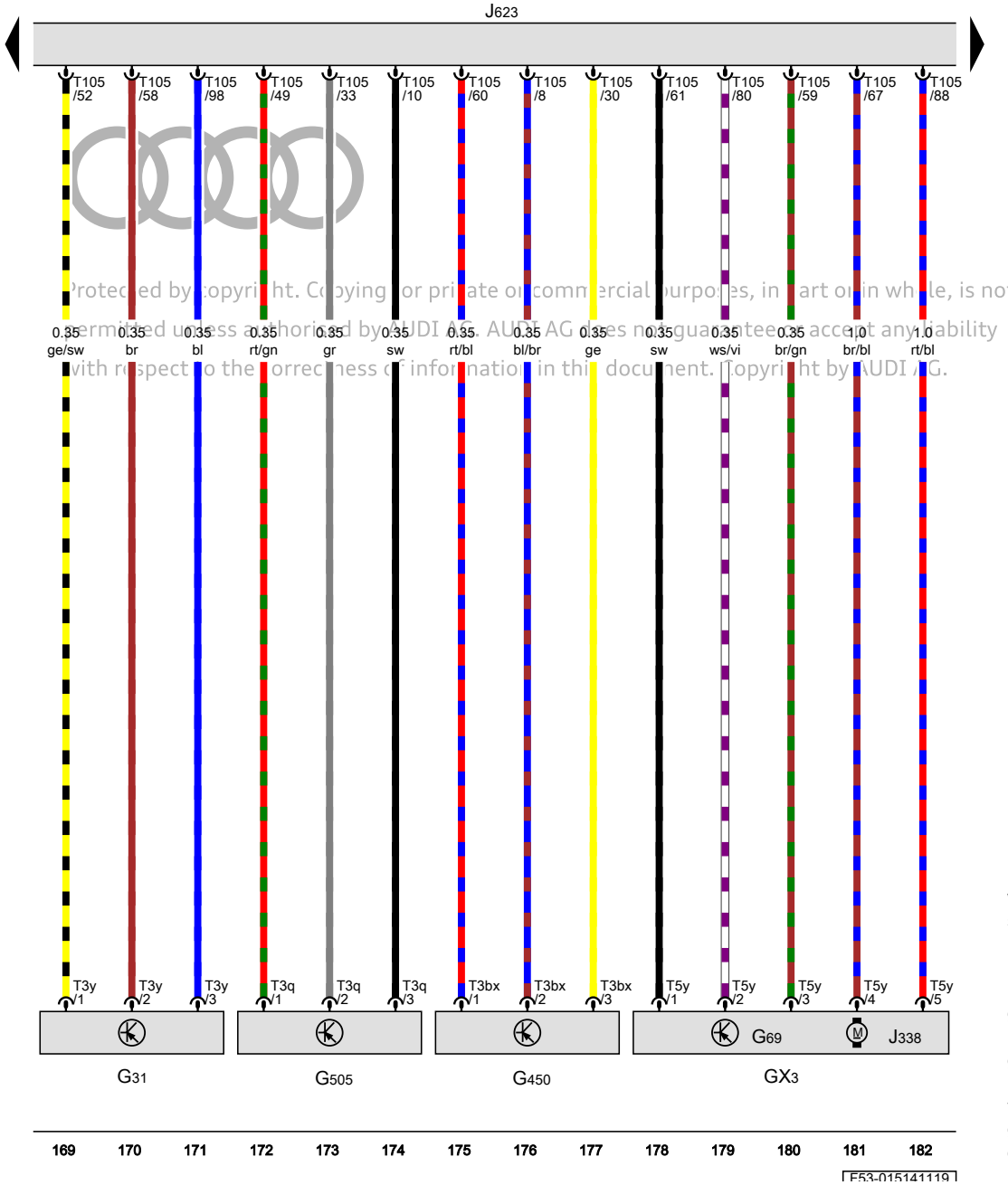

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Throttle valve module, Charge pressure sender, Exhaust gas pressure sensor 1, Pressure differential sender, Engine/ motor control unit

GX3	Throttle valve module
G31	Charge pressure sender
G69	Throttle valve potentiometer
G450	Exhaust gas pressure sensor 1
G505	Pressure differential sender
J338	Throttle valve module
J623	Engine/motor control unit, in plenum chamber
T3bx	3-pin connector, black
T3q	3-pin connector, black
T3y	3-pin connector, black
T5y	5-pin connector, black
T105	105-pin connector, black

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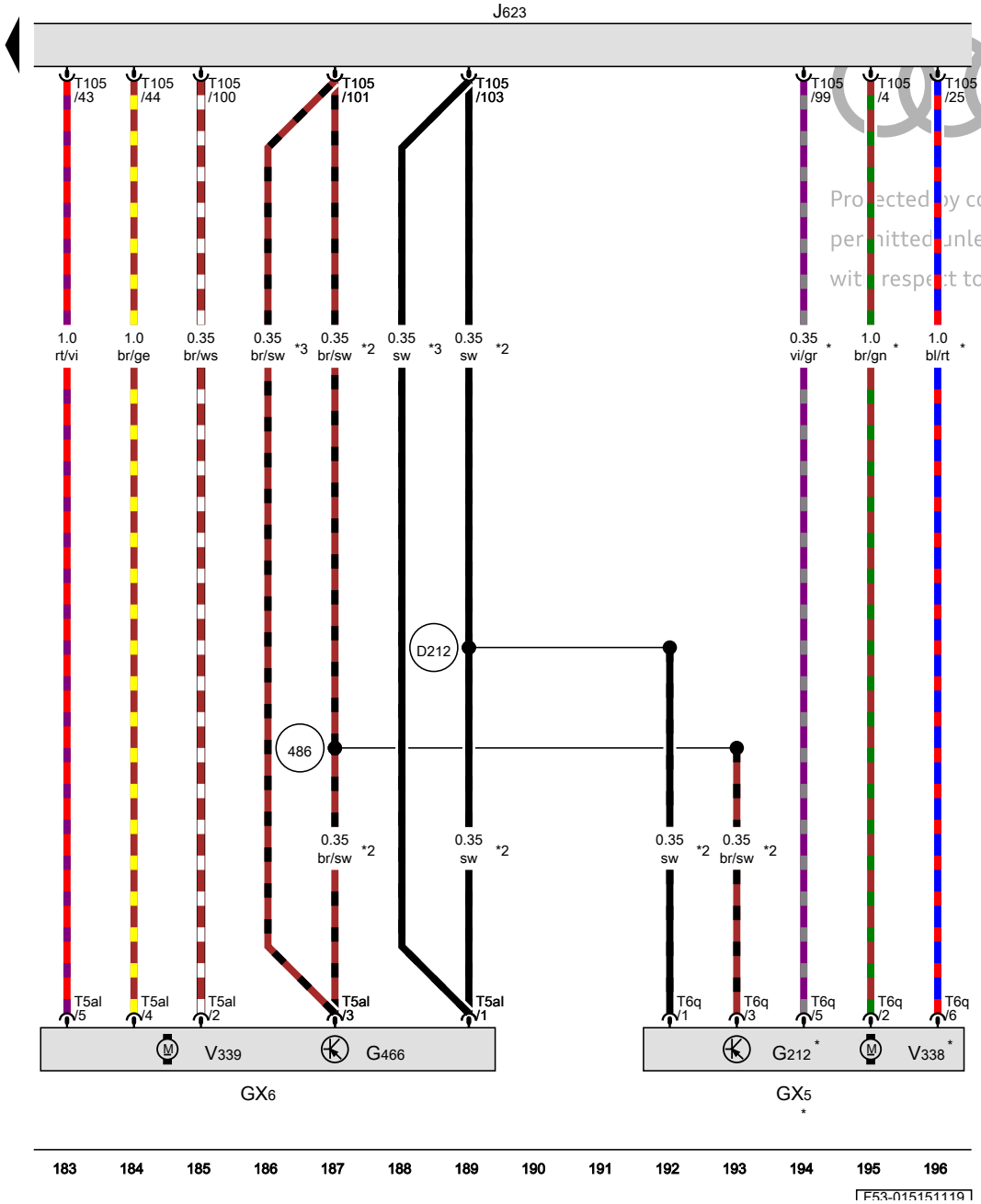

Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Exhaust gas recirculation potentiometer, Engine/ motor control unit, Exhaust gas recirculation control motor

GX5	Exhaust gas recirculation valve 1
GX6	Exhaust gas recirculation valve 2
G212	Exhaust gas recirculation potentiometer
G466	Exhaust gas recirculation potentiometer 2
J623	Engine/motor control unit, in plenum chamber
T5al	5-pin connector, grey
T6q	6-pin connector, grey
T105	105-pin connector, black
V338	Exhaust gas recirculation control motor
V339	Exhaust gas recirculation control motor 2
486	Earth point 4, engine prewiring harness
D212	Connection 4 (5V) in engine prewiring harness
*	According to equipment
*2	Version 1
*3	Version 2

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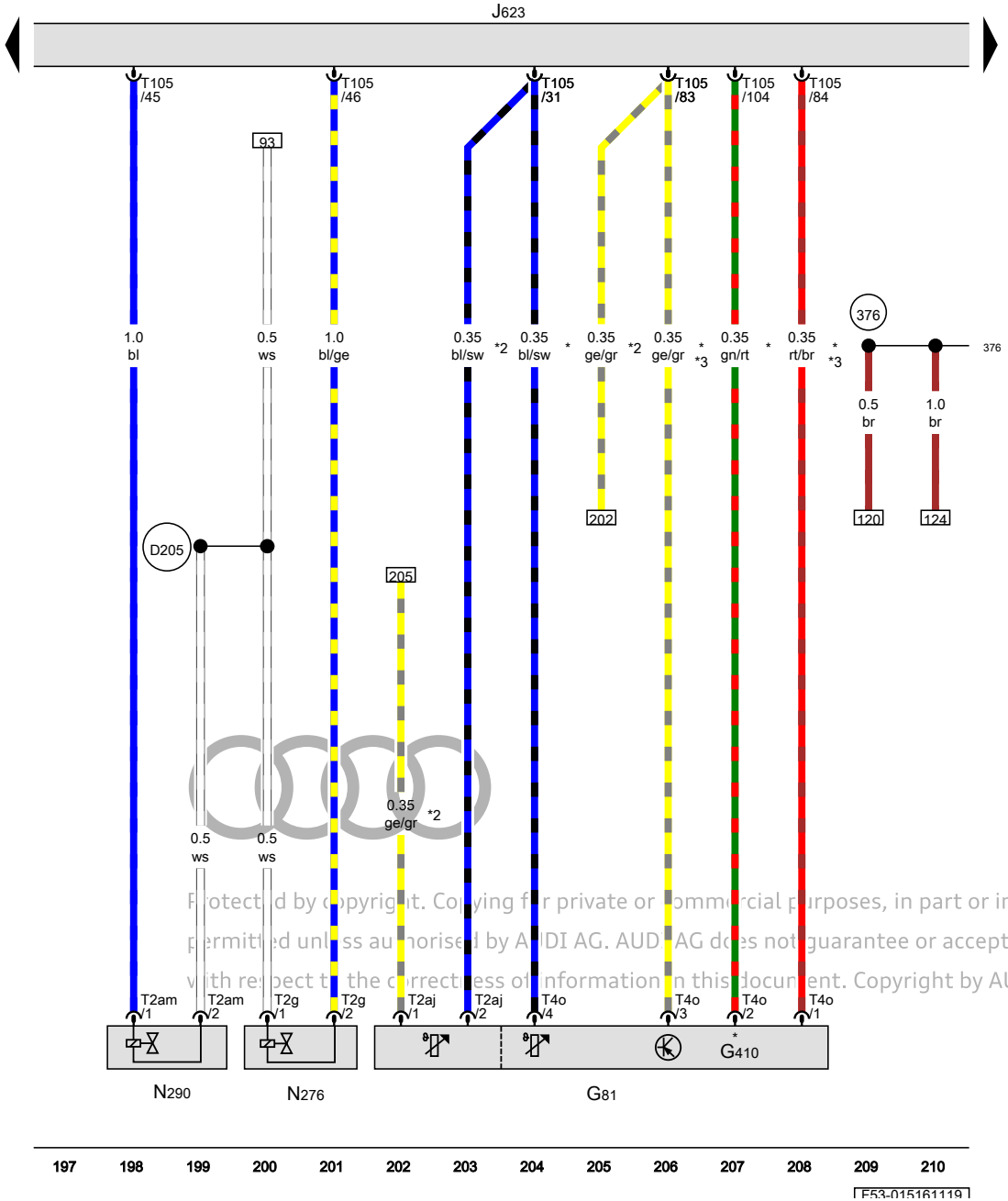

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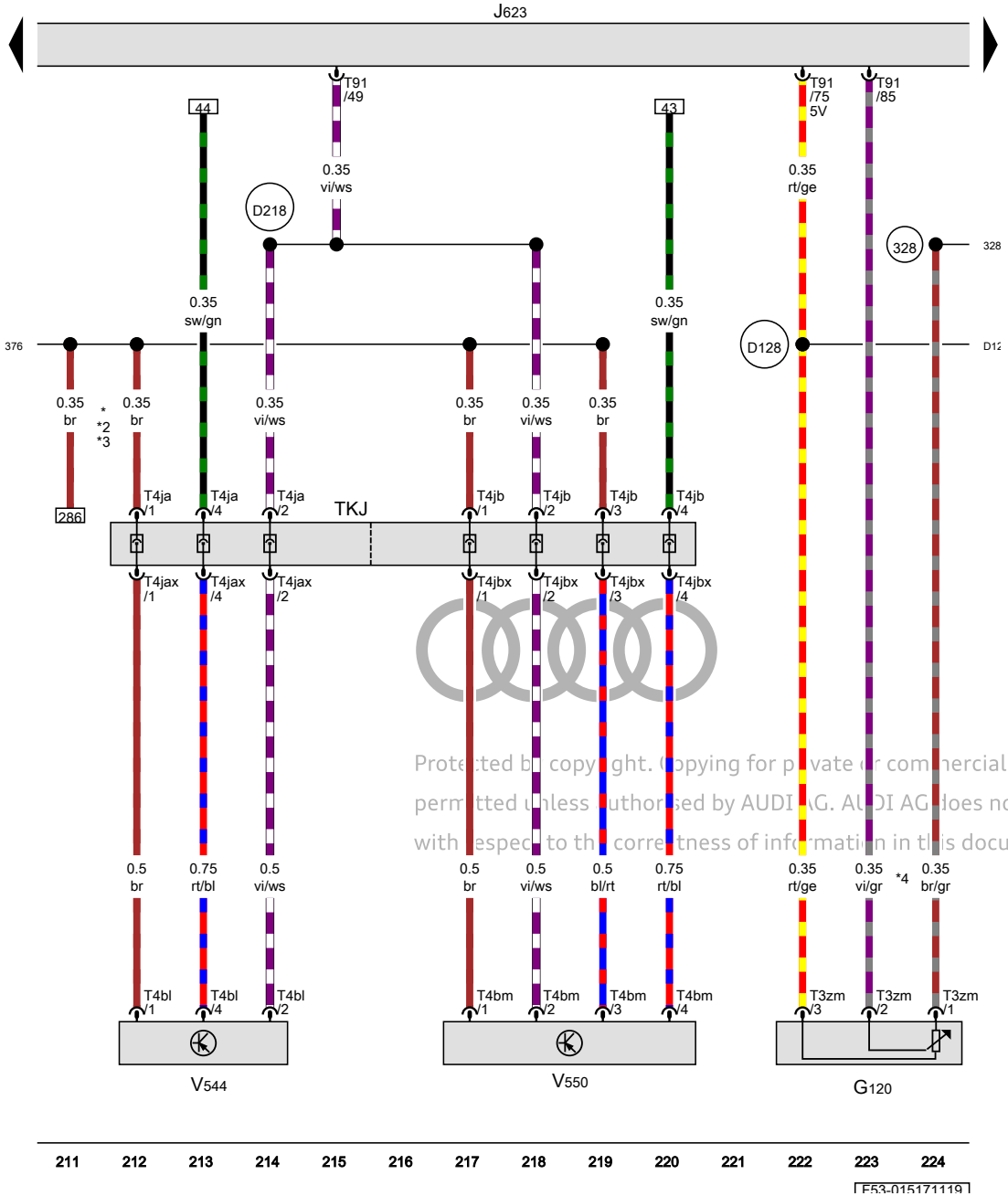
Fuel temperature sender, Fuel pressure sender for low pressure, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve

G81	Fuel temperature sender
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, in plenum chamber
N276	Fuel pressure regulating valve
N290	Fuel metering valve
T2aj	2-pin connector, black
T2am	2-pin connector, black
T2g	2-pin connector, black
T4o	4-pin connector, black
T105	105-pin connector, black
376	Earth connection 11, in main wiring harness
D205	Connection 3 (87a) in engine prewiring harness
*	For models with Euro 5 plus emission standard
*2	Not for models with Euro 5 plus emission standard
*3	Different wire colour possible

Water level sender, Engine/motor control unit, Radiator blind control motor, Radiator blind control motor 2

G120	Water level sender
J623	Engine/motor control unit, in plenum chamber
T3zm	3-pin connector, black
T4bl	4-pin connector, black
T4bm	4-pin connector, black
T4ja	4-pin connector, black
T4jax	4-pin connector, black
T4jb	4-pin connector, black
T4jbx	4-pin connector, black
T91	91-pin connector, black
TKJ	Coupling point for radiator blind
V544	Radiator blind control motor, top
V550	Radiator blind control motor 2, bottom
328	Earth connection 2 (sender earth), in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
D128	Connection 26 in engine compartment wiring harness
D218	Connection 1 (LIN bus) in engine compartment wiring harness
*	For emission standard Euro 6 AG/H/I
*2	For emission standard Euro 6 BG/H/I
*3	For emission standard Euro 6 DG
*4	Different wire colour possible



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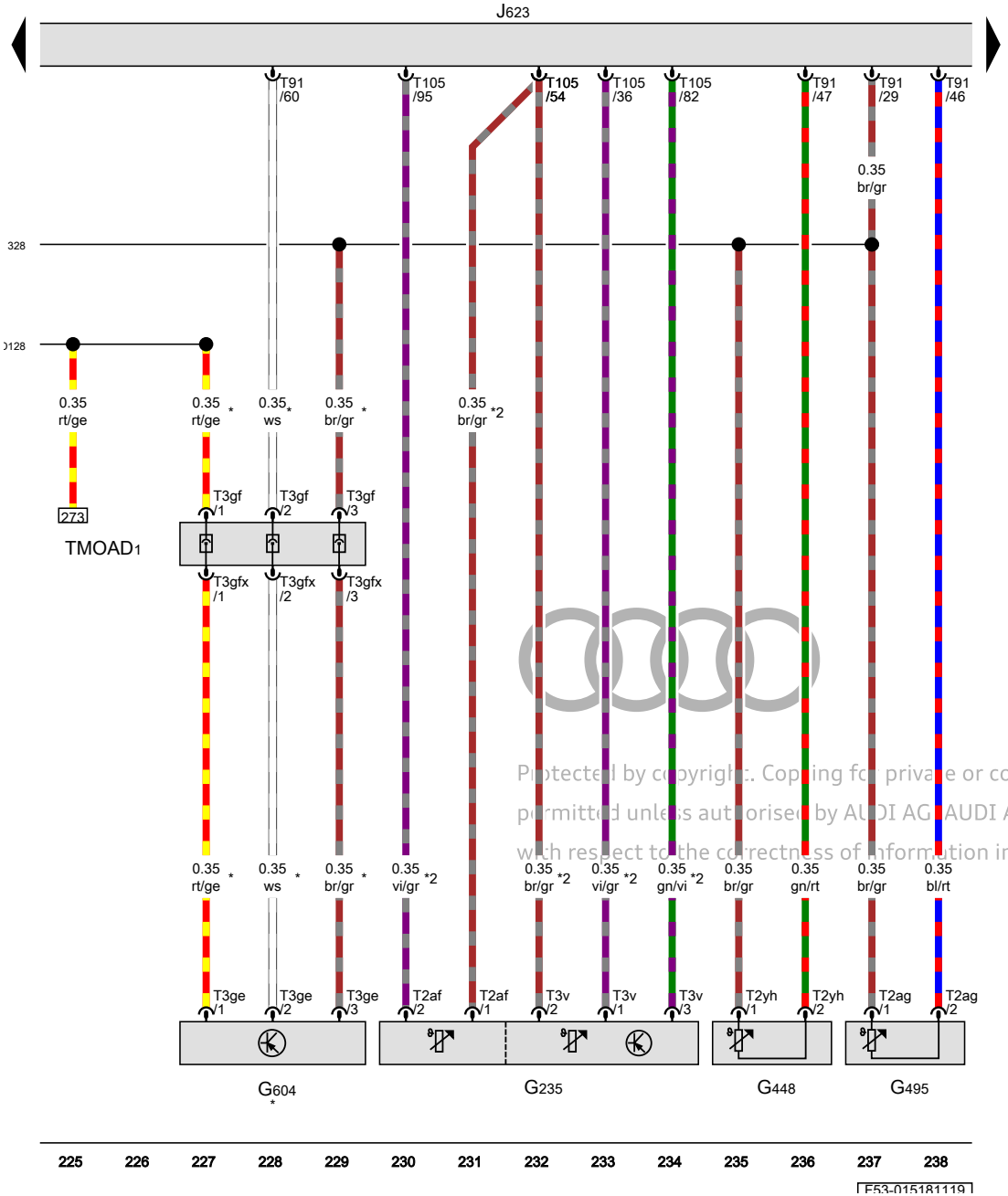

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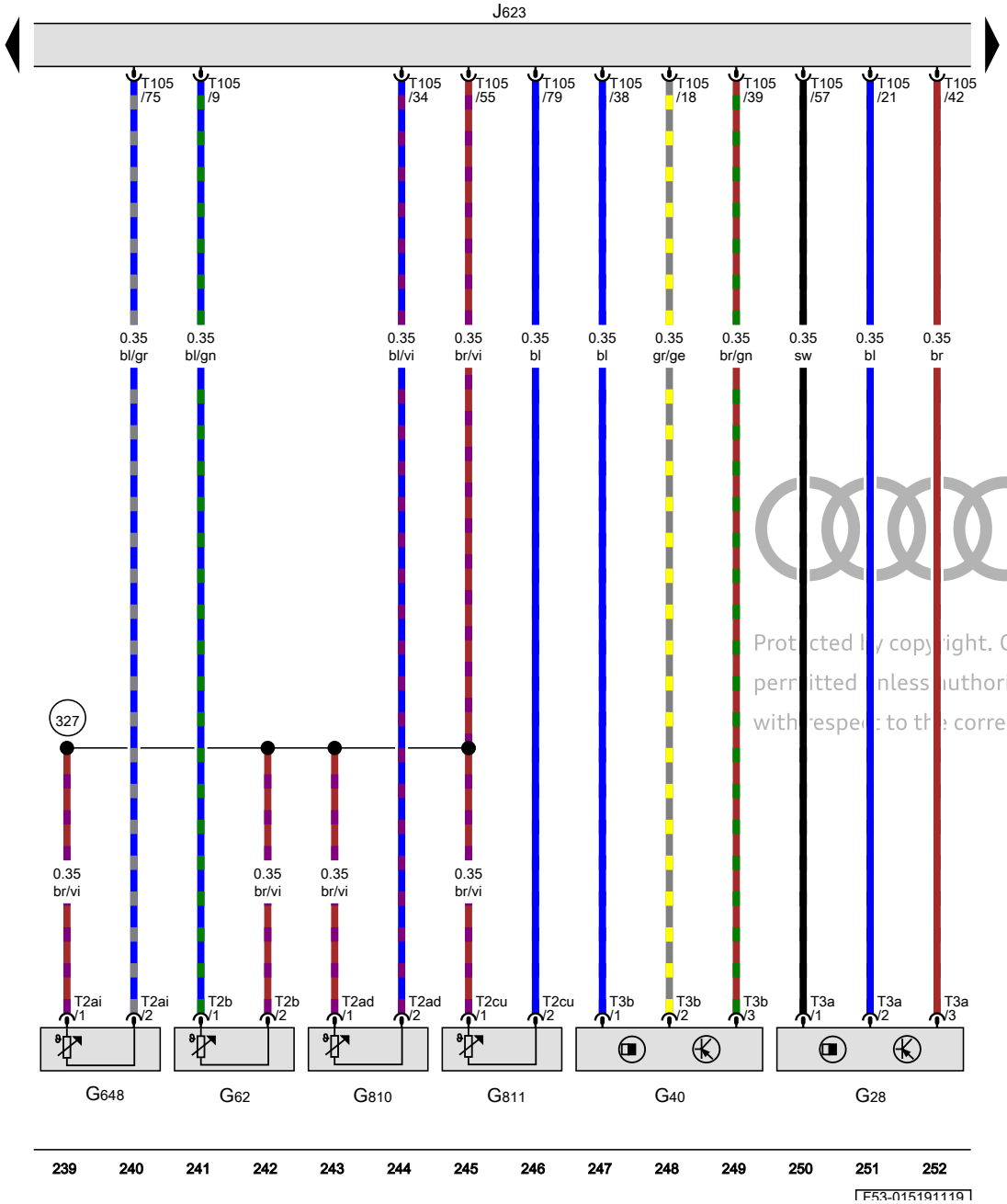
Exhaust gas temperature sender 1, Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Gear detection sensor, Engine/motor control unit

G235	Exhaust gas temperature sender 1
G448	Exhaust gas temperature sender 2
G495	Exhaust gas temperature sender 3
G604	Gear detection sensor
J623	Engine/motor control unit, in plenum chamber
T2af	2-pin connector, black
T2ag	2-pin connector, black
T2yh	2-pin connector, brown
T3ge	3-pin connector, black
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
T3v	3-pin connector, black
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T91	91-pin connector, black
T105	105-pin connector, black
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D128	Connection 26 in engine compartment wiring harness
*	For models with manual gearbox
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine speed sender, Hall sender, Coolant temperature sender, Exhaust gas temperature sender 4, Charge air temperature sender before charge air cooler, Charge air temperature sender after charge air cooler, Engine/motor control unit

G28	Engine speed sender
G40	Hall sender
G62	Coolant temperature sender
G648	Exhaust gas temperature sender 4
G810	Charge air temperature sender before charge air cooler
G811	Charge air temperature sender after charge air cooler
J623	Engine/motor control unit, in plenum chamber
T2ad	2-pin connector, black
T2ai	2-pin connector, black
T2b	2-pin connector, black
T2cu	2-pin connector, black
T3a	3-pin connector, black
T3b	3-pin connector, black
T105	105-pin connector, black
327	Earth connection (sender earth), in engine compartment wiring harness

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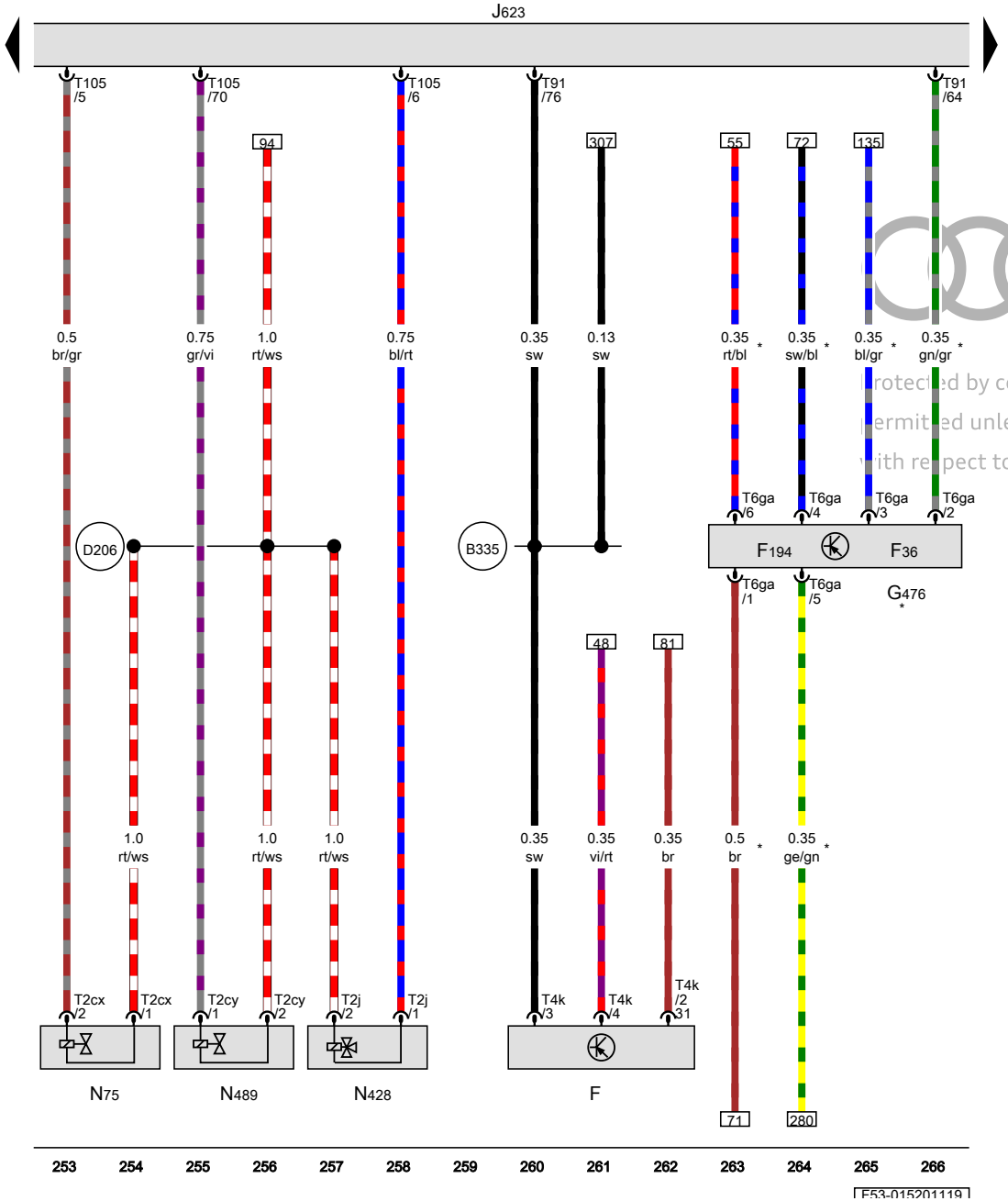
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Brake light switch, Engine/motor control unit, Charge pressure control solenoid valve, Valve for oil pressure control, Coolant valve for cylinder head

F	Brake light switch
F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
G476	Clutch position sender
J623	Engine/motor control unit, in plenum chamber
N75	Charge pressure control solenoid valve
N428	Valve for oil pressure control
N489	Coolant valve for cylinder head
T2cx	2-pin connector, black
T2cy	2-pin connector, brown
T2j	2-pin connector, black
T4k	4-pin connector, black
T6ga	6-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
B335	Connection 1 (54), in main wiring harness
D206	Connection 4 (87a) in engine prewiring harness
*	For models with manual gearbox



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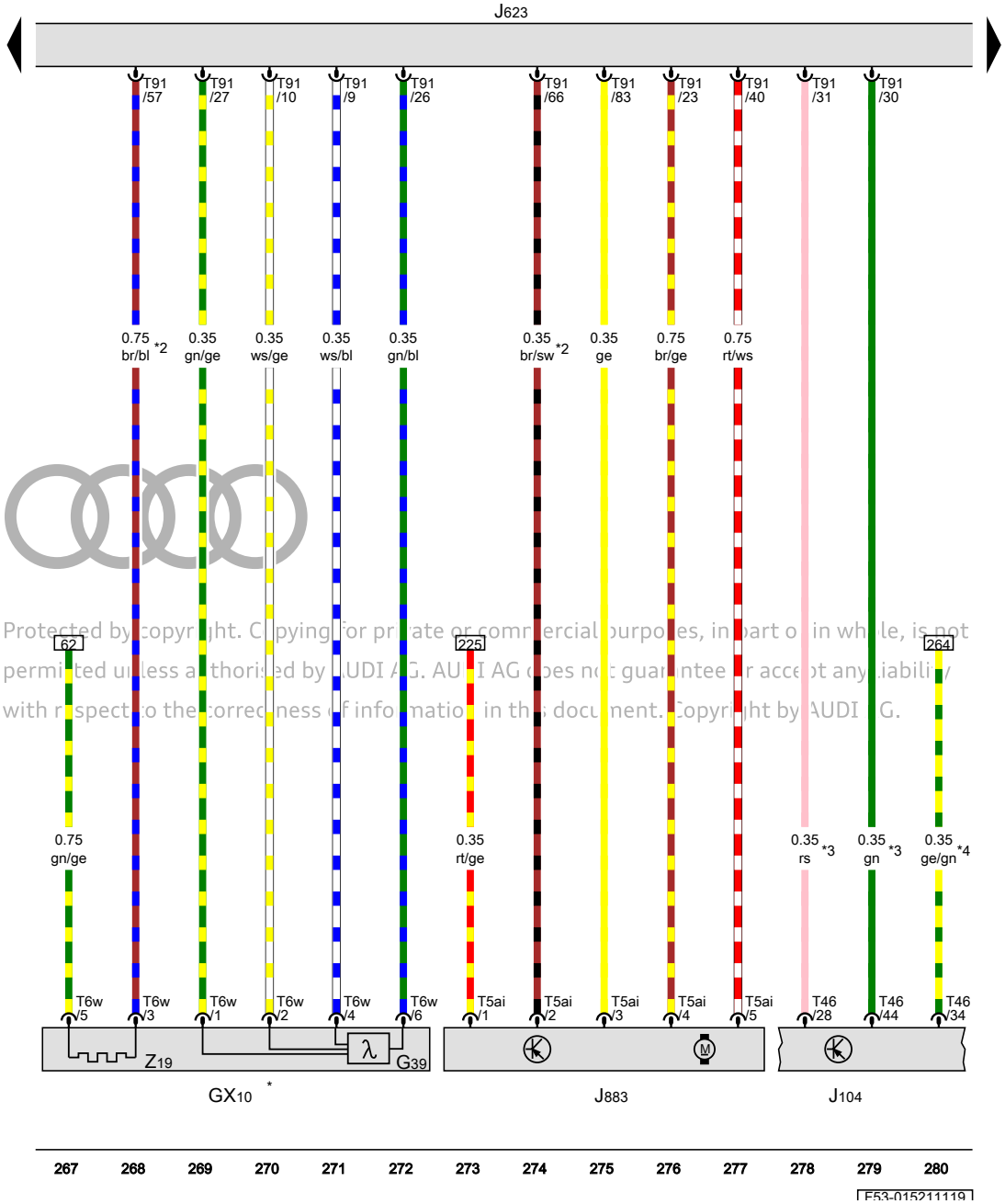

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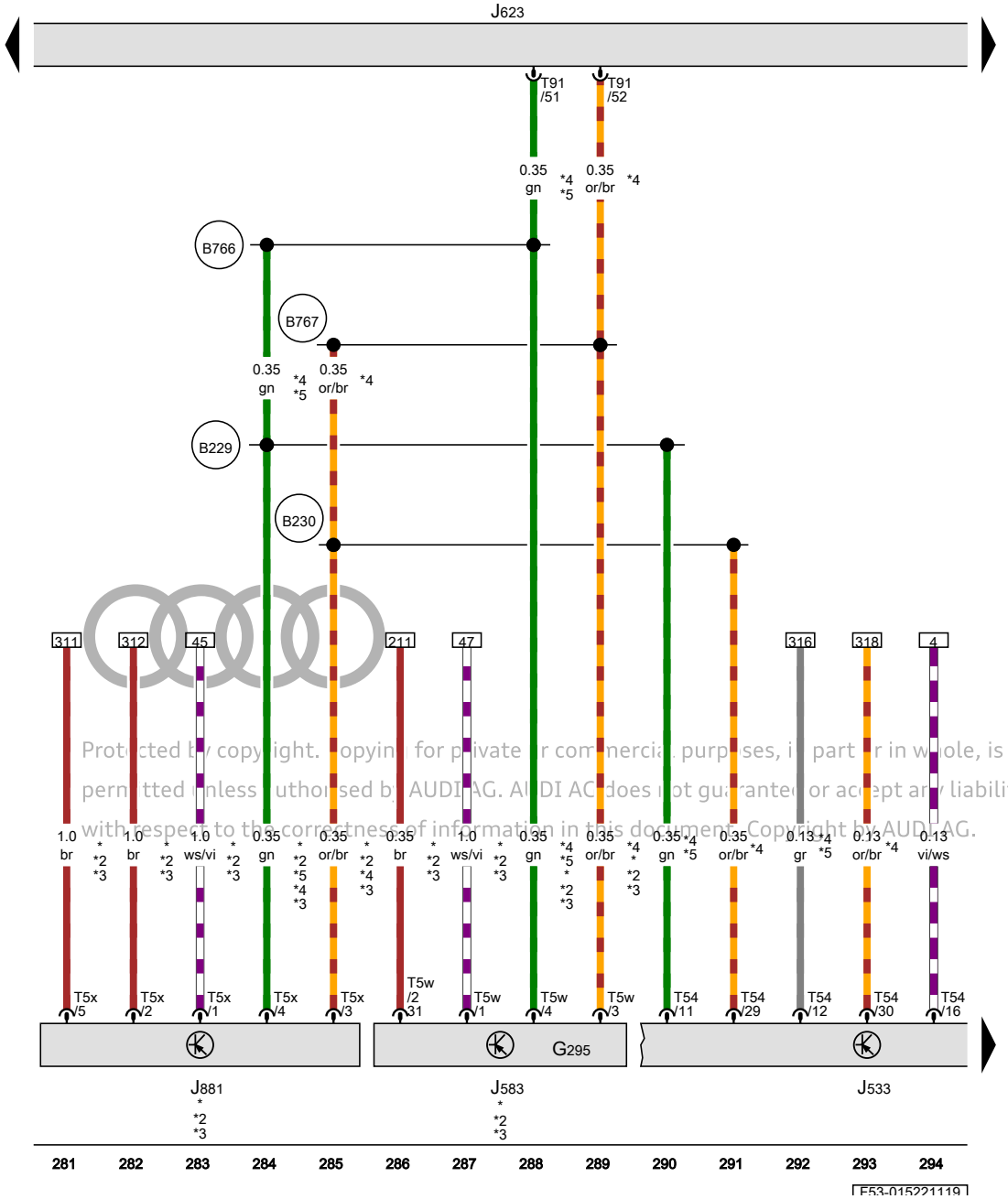
Lambda probe 1 before catalytic converter, Lambda probe, Engine/motor control unit, Exhaust flap control unit, Lambda probe heater

GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
J104	ABS control unit
J623	Engine/motor control unit, in plenum chamber
J883	Exhaust flap control unit
T5ai	5-pin connector, black
T6w	6-pin connector, brown
T46	46-pin connector, black
T91	91-pin connector, black
Z19	Lambda probe heater
*	Pre-wired component
*2	Different wire colour possible
*3	Data bus wire (FlexRay bus)
*4	For models with manual gearbox



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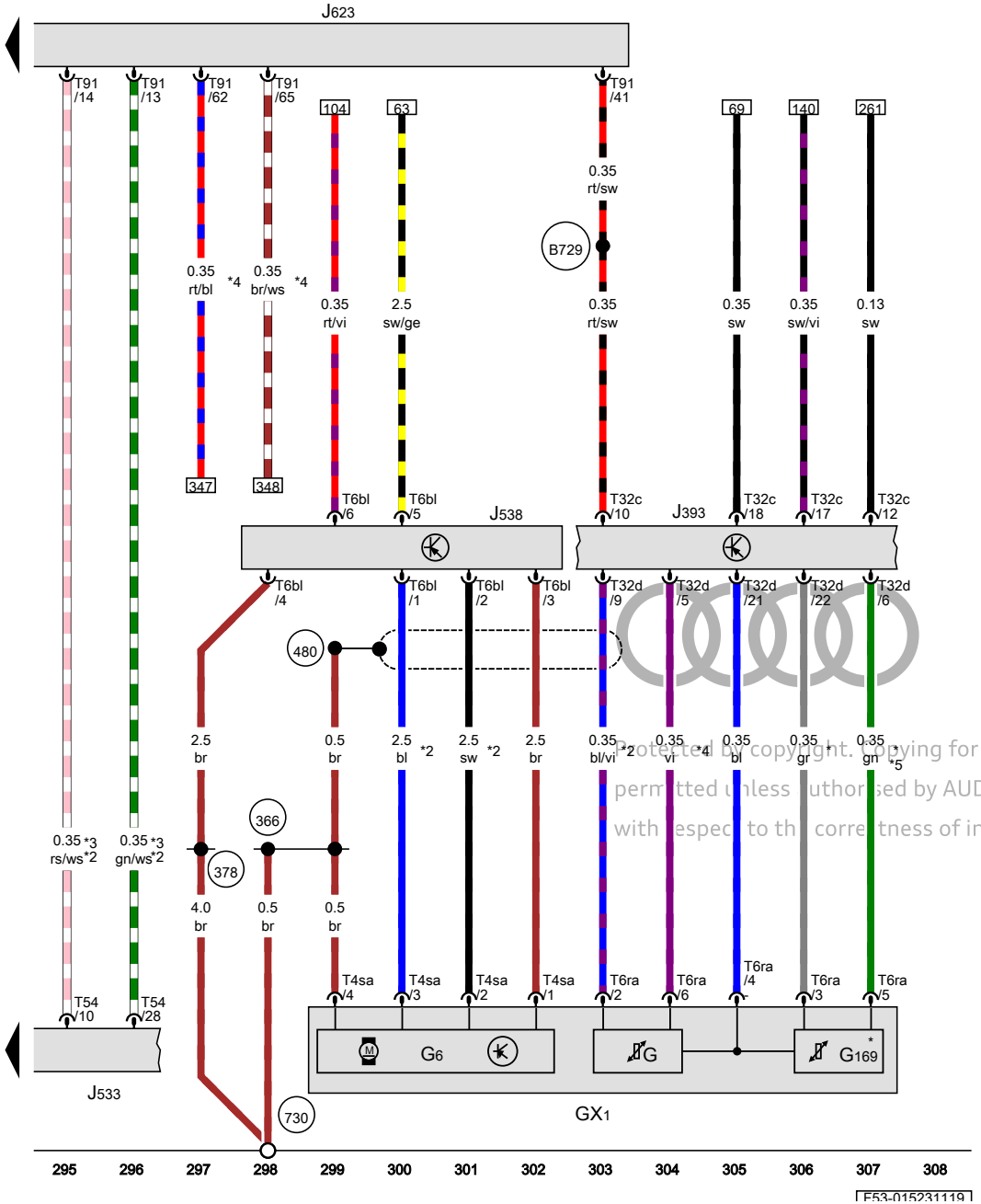
NOx sender, Data bus diagnostic interface, Control unit for NOx sender, Engine/motor control unit, Control unit for NOx sender 2

G295	NOx sender
J533	Data bus diagnostic interface
J583	Control unit for NOx sender
J623	Engine/motor control unit, in plenum chamber
J881	Control unit for NOx sender 2
T5w	5-pin connector, black
T5x	5-pin connector
T54	54-pin connector, black
T91	91-pin connector, black
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
B766	Connection 2 (high bus), in interior wiring harness
B767	Connection 2 (low bus), in interior wiring harness
*	For emission standard Euro 6 AG/H/I
*2	For emission standard Euro 6 BG/H/I
*3	For emission standard Euro 6 DG
*4	Data bus wire (CAN bus)
*5	Different wire colour possible



Fuel gauge sender, Fuel delivery unit, Fuel system pressurisation pump, Fuel gauge sender 2, Convenience system central control unit, Data bus diagnostic interface, Fuel pump control unit, Engine/motor control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J533	Data bus diagnostic interface
J538	Fuel pump control unit
J623	Engine/motor control unit, in plenum chamber
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
T54	54-pin connector, black
T91	91-pin connector, black
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Different wire colour possible
*3	Data bus wire (FlexRay bus)
*4	According to equipment
*5	Up to July 2018

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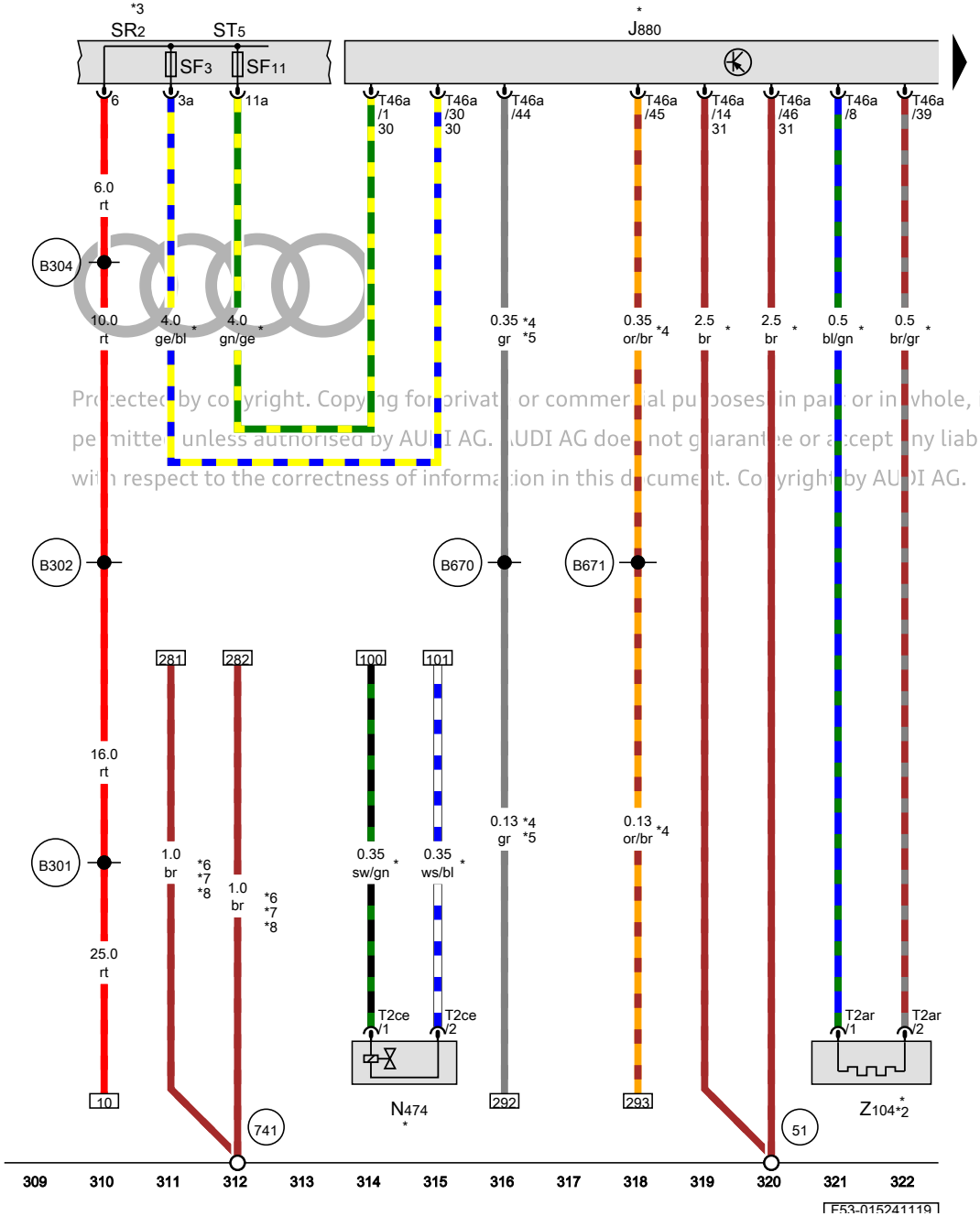

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or = orange
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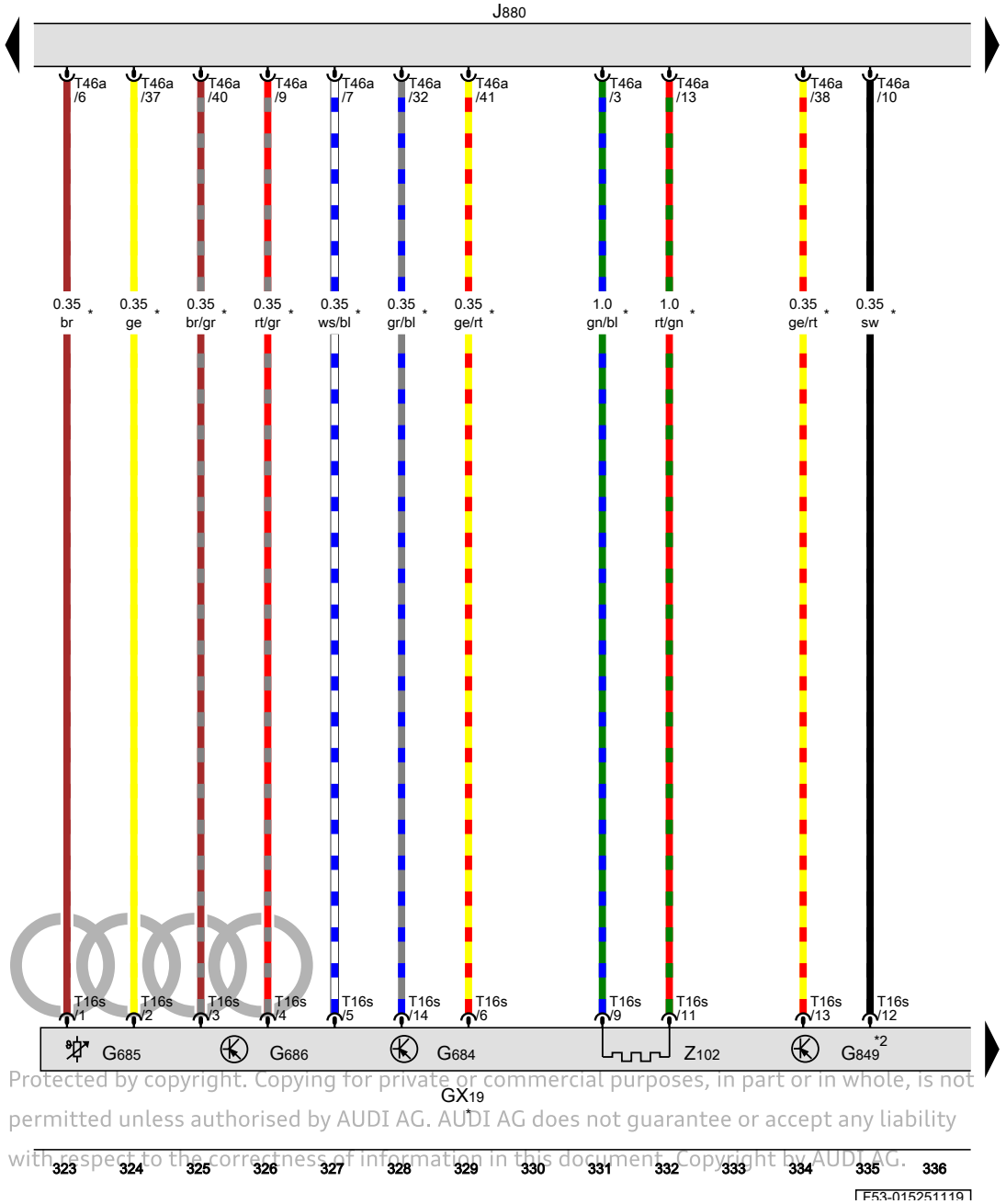
Control unit for reducing agent metering system, Injector for reducing agent, Heater for reducing agent line (heater circuit 2)

J880	Control unit for reducing agent metering system
N474	Injector for reducing agent
SR2	Relay and fuse carrier 2
SF3	Fuse 3 in fuse holder F
ST5	Fuse carrier 5
SF11	Fuse 11 in fuse holder F
T2ar	2-pin connector, black
T2ce	2-pin connector, black
T46a	46-pin connector, black
Z104	Heater for reducing agent line (heater circuit 2)
51	Earth point, on right in luggage compartment
741	Earth point under seat on front left
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	For models with reducing agent metering system
*2	Heater for reducing agent line can comprise multiple sections
*3	see applicable current flow diagram for fuse assignment
*4	Data bus wire (CAN bus)
*5	Different wire colour possible
*6	For emission standard Euro 6 AG/H/I
*7	For emission standard Euro 6 BG/H/I
*8	For emission standard Euro 6 DG



Delivery unit for reducing agent metering system, Tank sender for reducing agent, Temperature sender for reducing agent, Pressure sender for reducing agent metering system, Reducing agent quality sensor, Control unit for reducing agent metering system, Heater for reducing agent tank (heater circuit 1)

GX19	Delivery unit for reducing agent metering system
G684	Tank sender for reducing agent
G685	Temperature sender for reducing agent
G686	Pressure sender for reducing agent metering system
G849	Reducing agent quality sensor
J880	Control unit for reducing agent metering system
T16s	16-pin connector, black
T46a	46-pin connector, black
Z102	Heater for reducing agent tank (heater circuit 1)
*	For models with reducing agent metering system
*2	Gradually discontinued

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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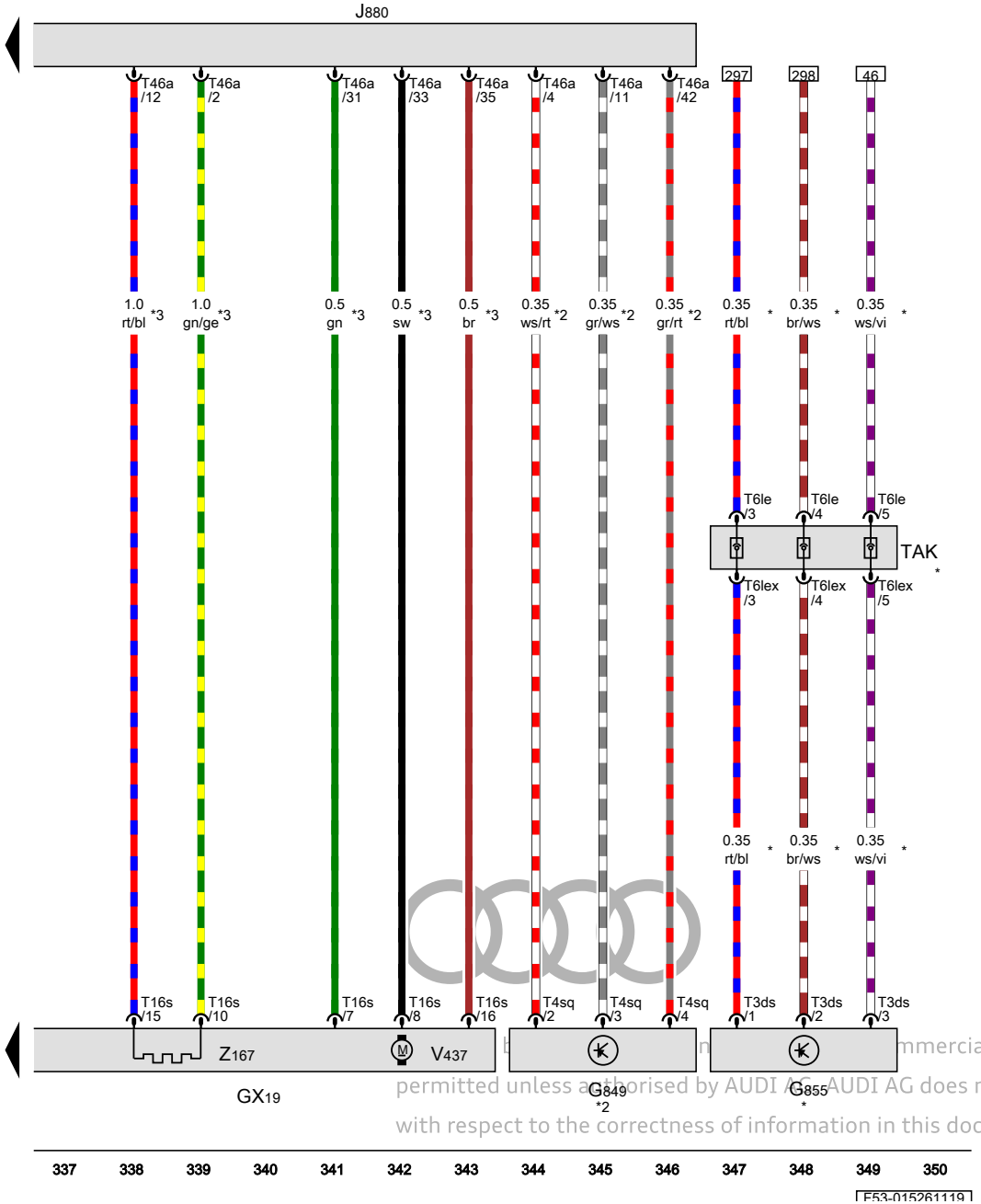

Delivery unit for reducing agent metering system, Biodiesel concentration sender, Control unit for reducing agent metering system, Pump for reducing agent, Heater 2 for reducing agent tank (heater circuit 3)

GX19	Delivery unit for reducing agent metering system
G849	Reducing agent quality sensor
G855	Biodiesel concentration sender
J880	Control unit for reducing agent metering system
T3ds	3-pin connector, black
T4sq	4-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T16s	16-pin connector, black
T46a	46-pin connector, black
TAK	Coupling point for fuel tank, near fuel tank
V437	Pump for reducing agent
Z167	Heater 2 for reducing agent tank (heater circuit 3)
*	According to equipment
*2	gradual introduction
*3	For models with reducing agent metering system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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2.0l diesel engine , DFVA

From November 2016

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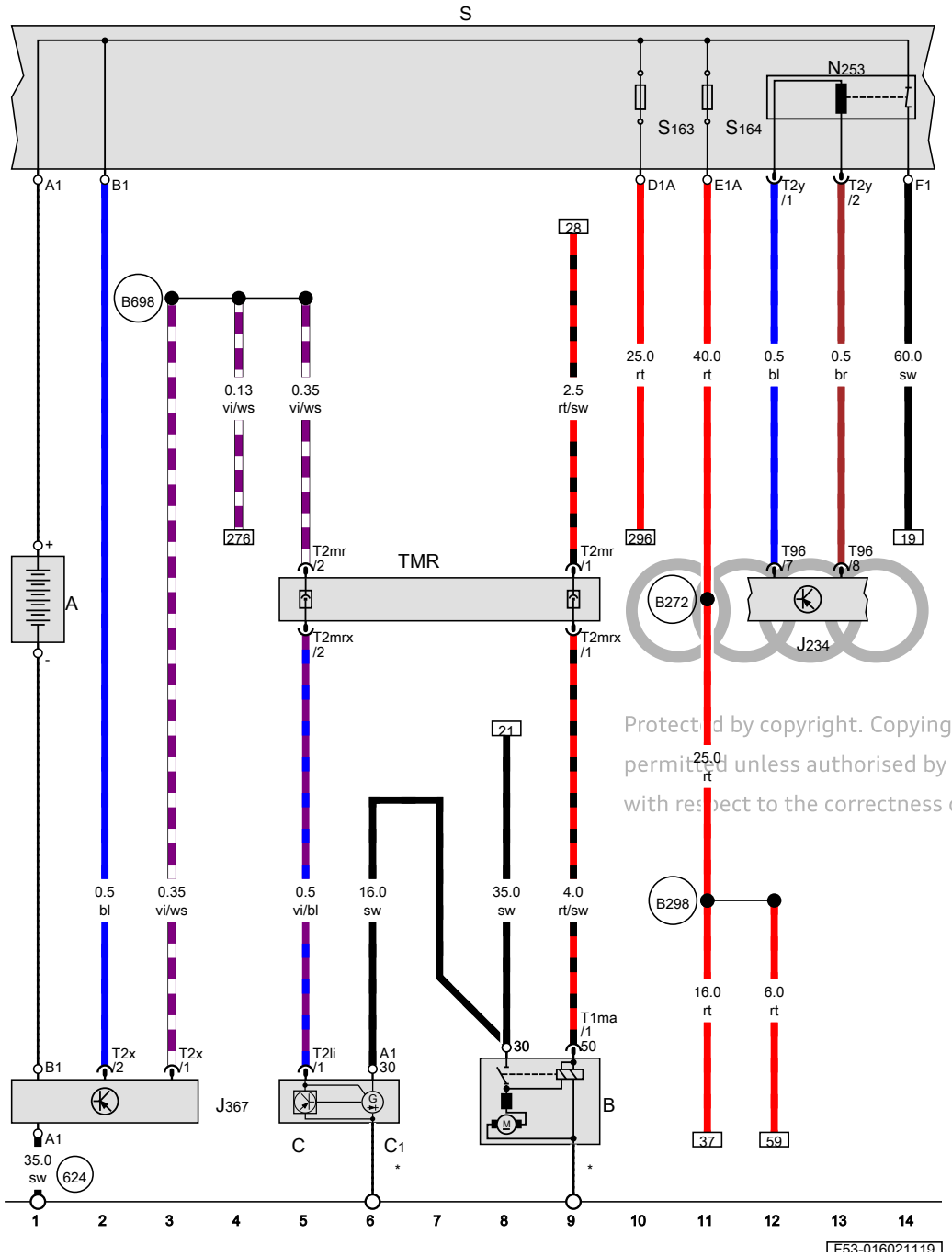

Battery, Starter, Alternator, Battery monitor control unit, Battery isolation igniter, Fuses in fuse holder

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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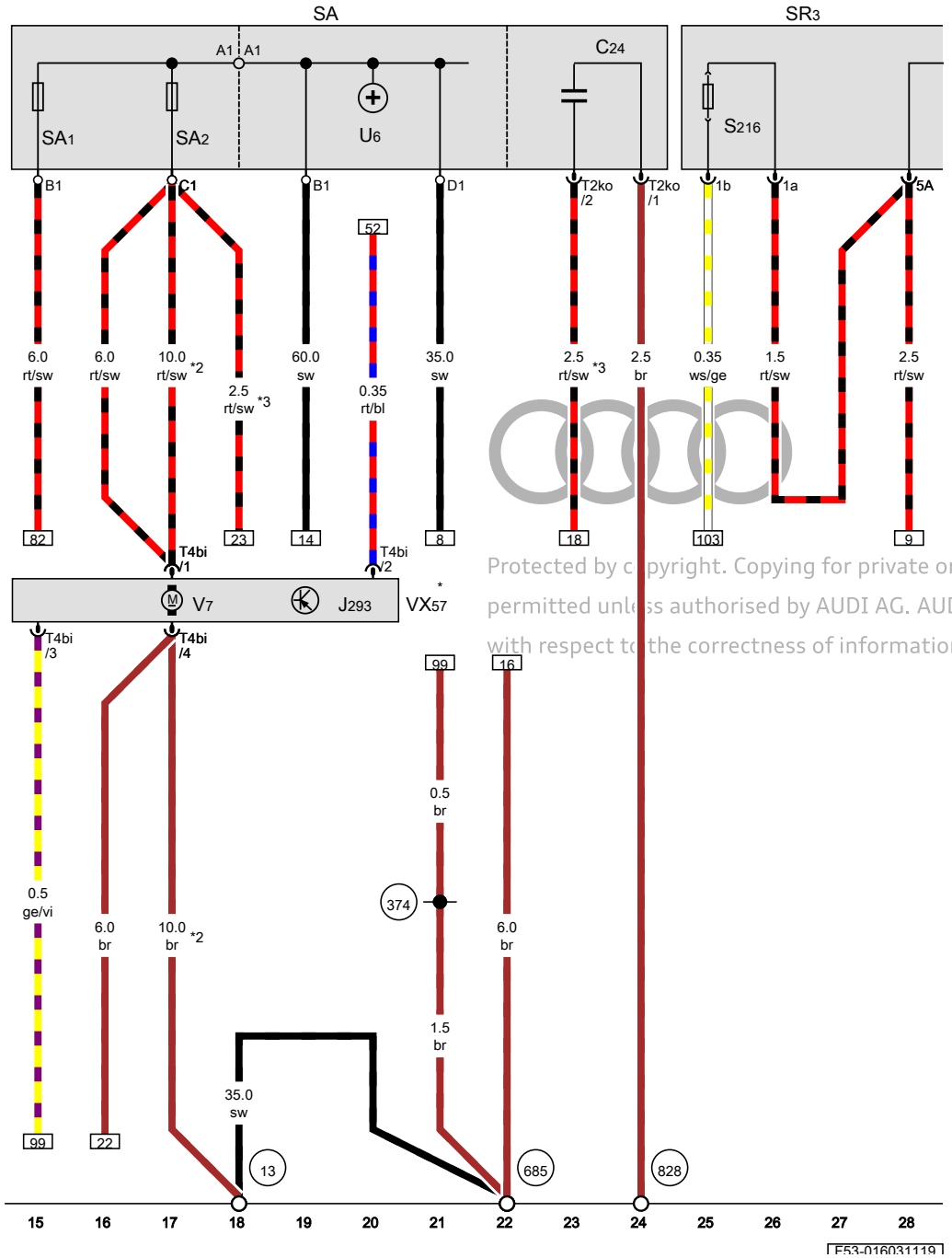

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Suppression filter, Radiator fan control unit, Fuse holder A, Relay and fuse carrier 3, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
SA	Fuse holder A
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SR3	Relay and fuse carrier 3
S216	Fuse (50)
T2ko	2-pin connector, black
T4bi	4-pin connector, black
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
13	Earth point, on right in engine compartment
374	Earth connection 9, in main wiring harness
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For countries with hot climate
*3	Cross-section 4.0 possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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bl	=	blue
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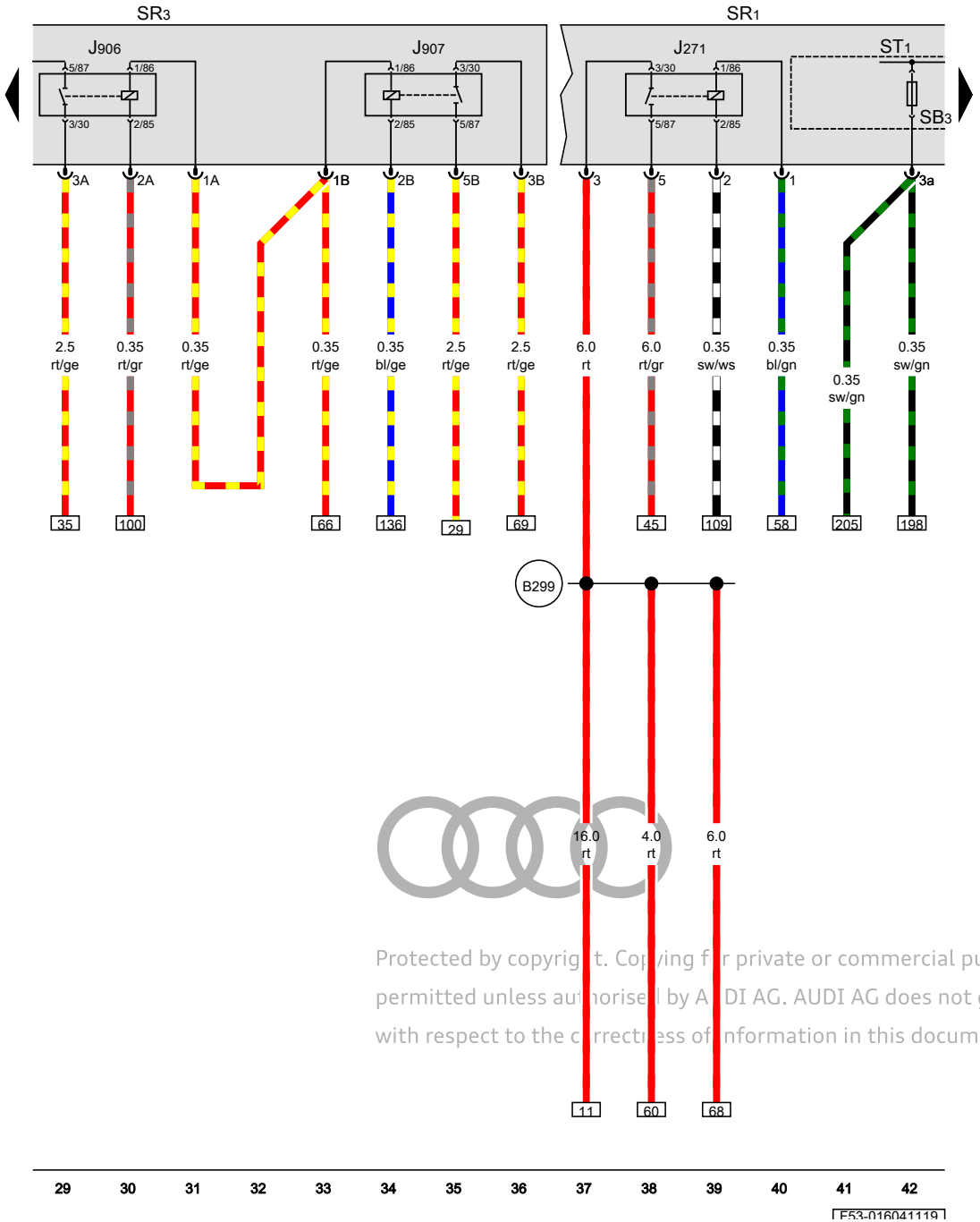

Main relay, Starter relay 1, Starter relay 2, Fuse carrier 1, Relay and fuse carrier 1, Relay and fuse carrier 3

J271	Main relay
J906	Starter relay 1
J907	Starter relay 2
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB3	Fuse 3 on fuse holder B
SR3	Relay and fuse carrier 3
B299	Positive connection 3 (30), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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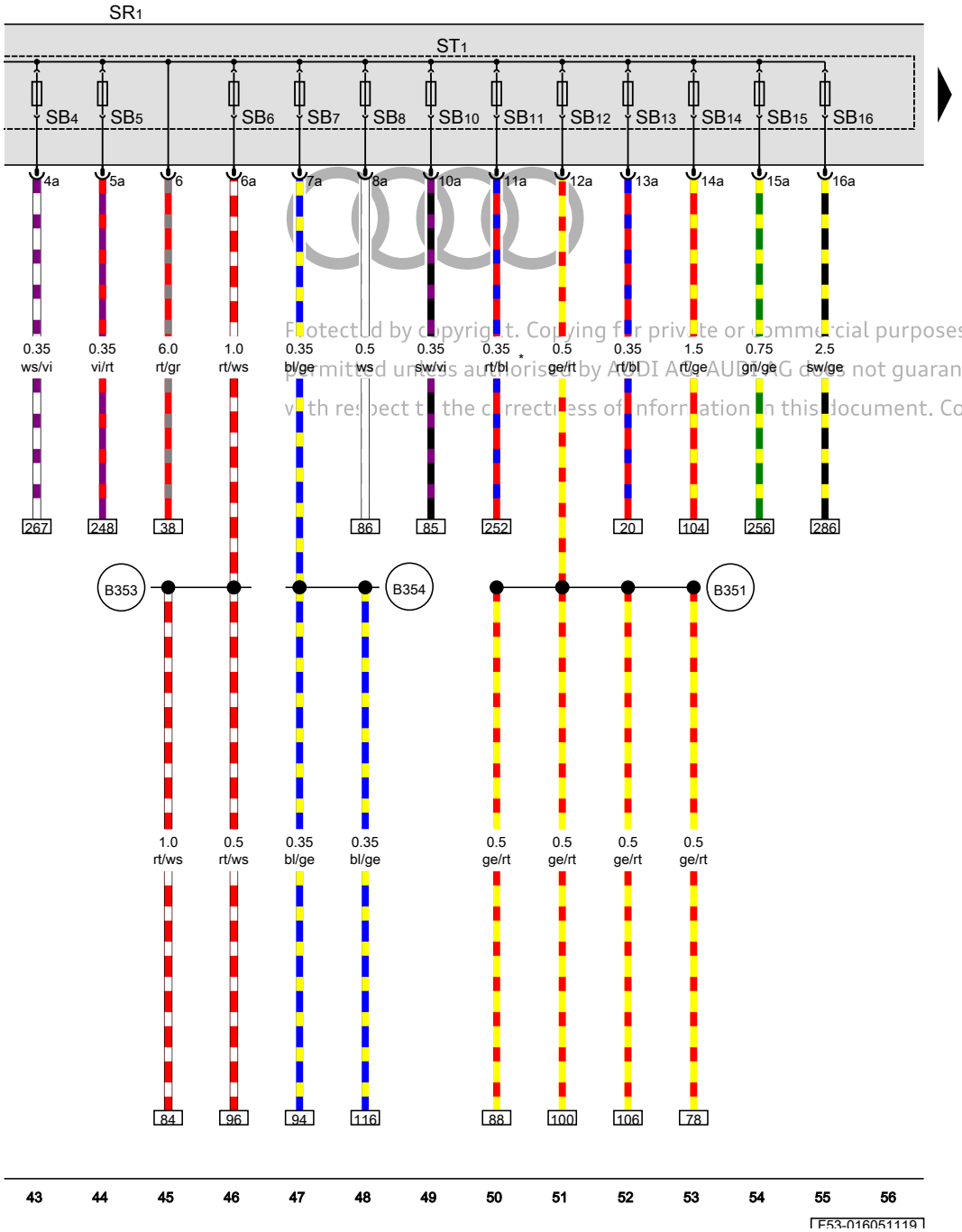

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Fuse carrier 1, Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
B351	Positive connection 2 (87a) in main wiring harness
B353	Positive connection 4 (87a) in main wiring harness
B354	Positive connection 5 (87a) in main wiring harness
*	For models with manual gearbox

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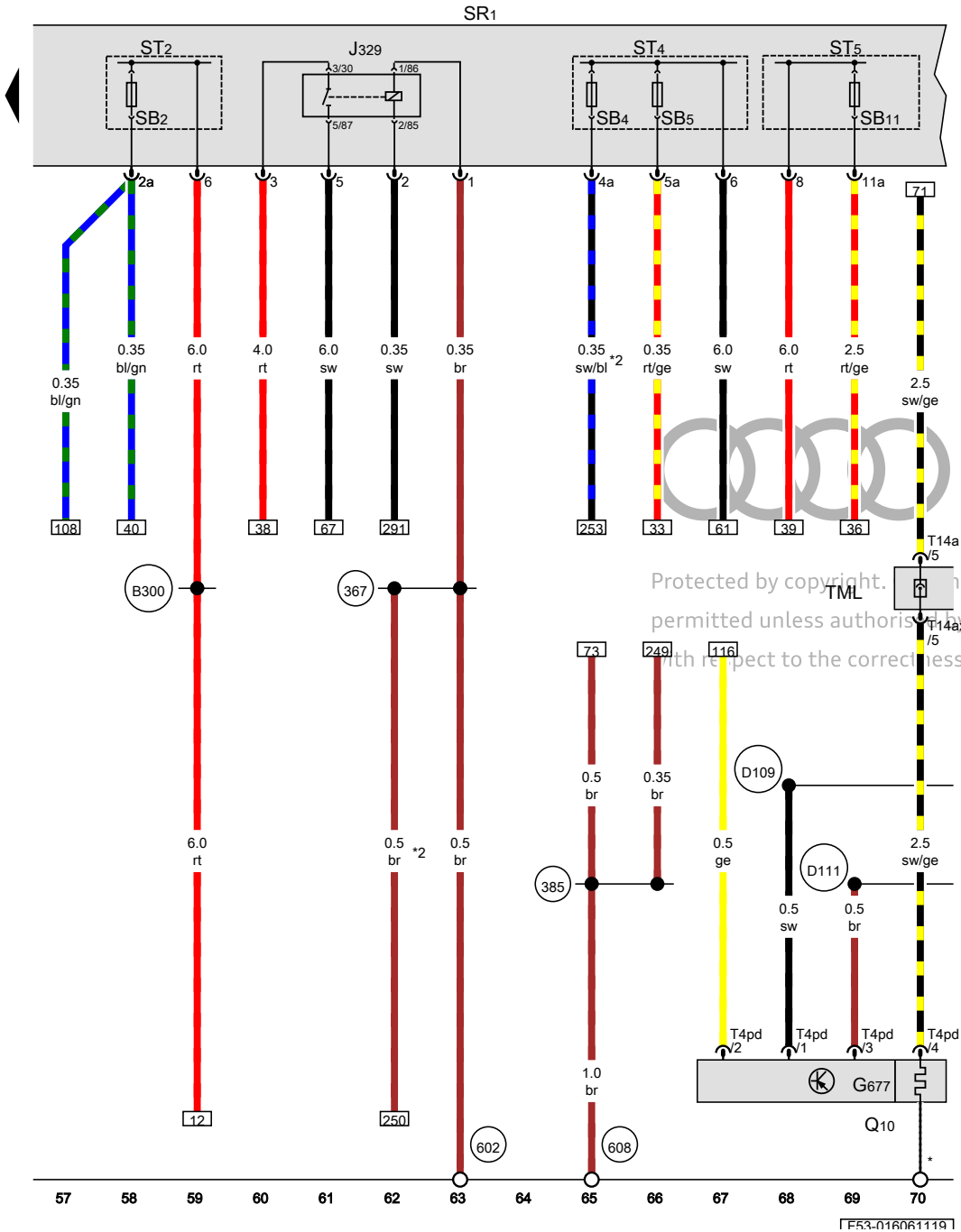

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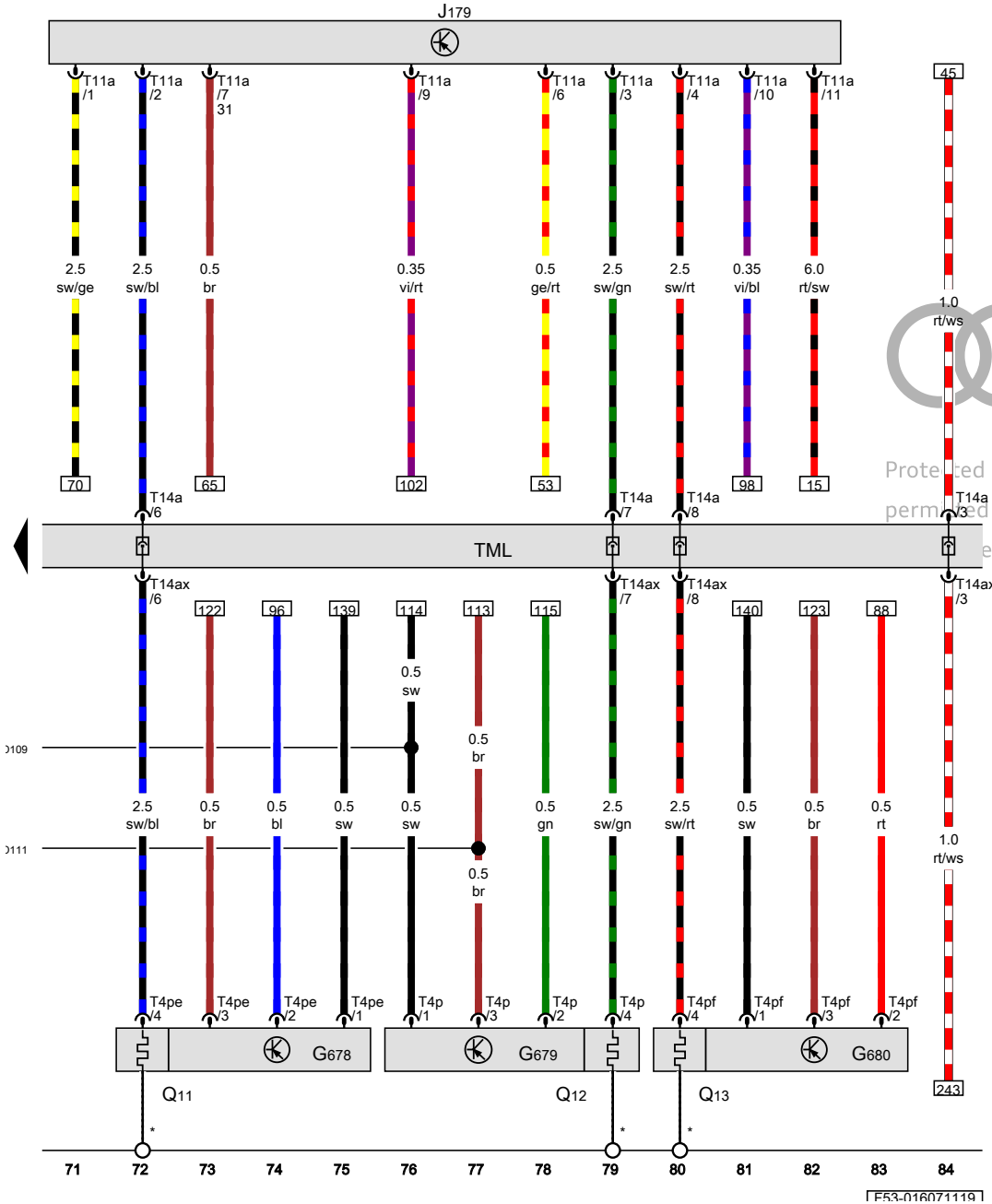
Terminal 15 voltage supply relay, Glow plug 1, Relay and fuse carrier 1

G677	Cylinder 1 combustion chamber pressure sender
J329	Terminal 15 voltage supply relay
Q10	Glow plug 1
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
ST4	Fuse carrier 4, black
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5
SB11	Fuse 11 on fuse holder B
T4pd	4-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
TML	Coupling point in engine compartment, left
367	Earth connection 2, in main wiring harness
385	Earth connection 20, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
B300	Positive connection 4 (30), in main wiring harness
D109	Connection 7 in engine compartment wiring harness
D111	Connection 9 in engine compartment wiring harness
*	Earth supply via housing
*2	For models with manual gearbox



Automatic glow period control unit, Glow plug 2, Glow plug 3, Glow plug 4

G678	Cylinder 2 combustion chamber pressure sender
G679	Cylinder 3 combustion chamber pressure sender
G680	Cylinder 4 combustion chamber pressure sender
J179	Automatic glow period control unit
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
T4p	4-pin connector, black
T4pe	4-pin connector, black
T4pf	4-pin connector, black
T11a	11-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
TML	Coupling point in engine compartment, left
D109	Connection 7 in engine compartment wiring harness
D111	Connection 9 in engine compartment wiring harness
*	Earth supply via housing

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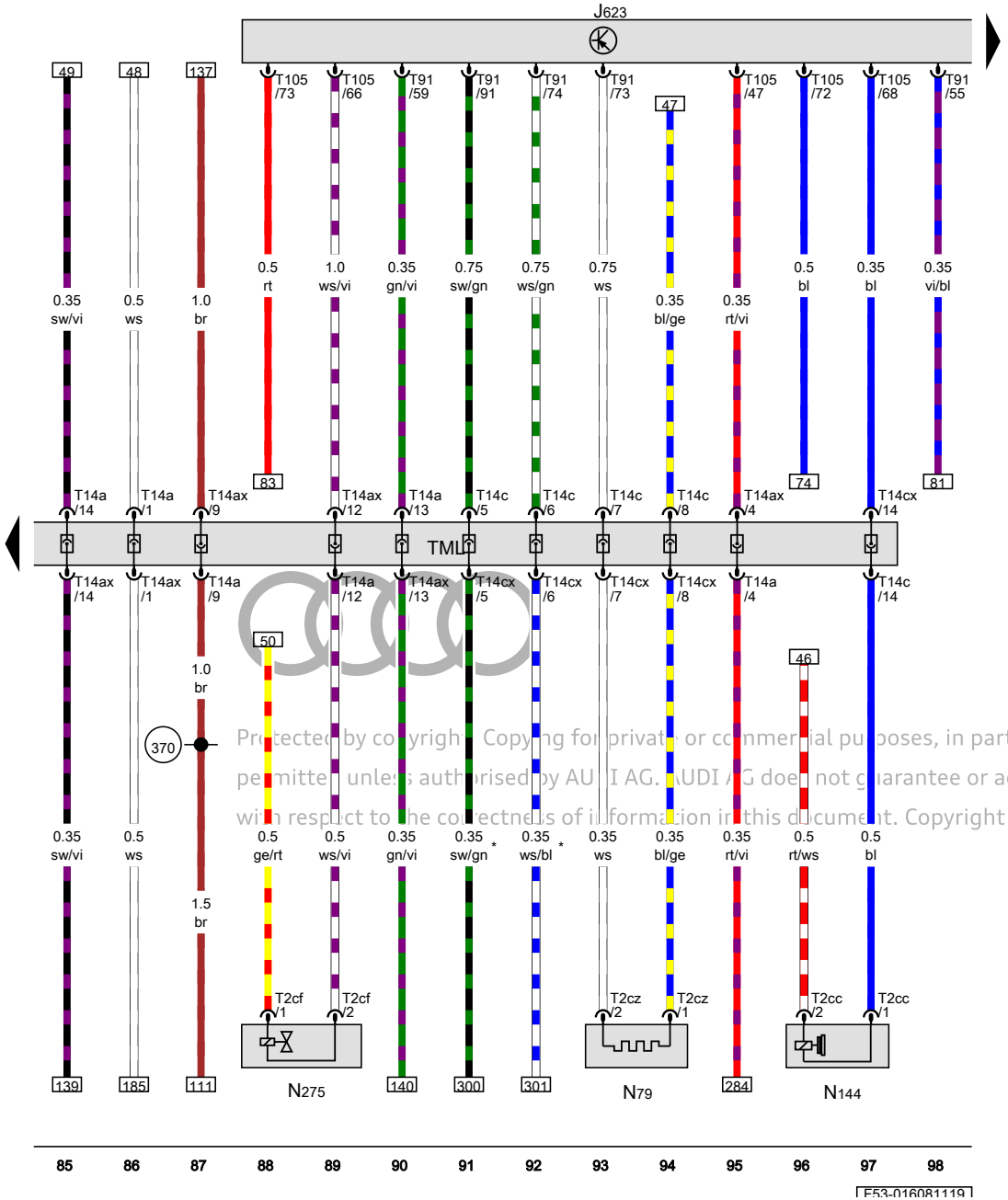
or	=	orange
rs	=	pink



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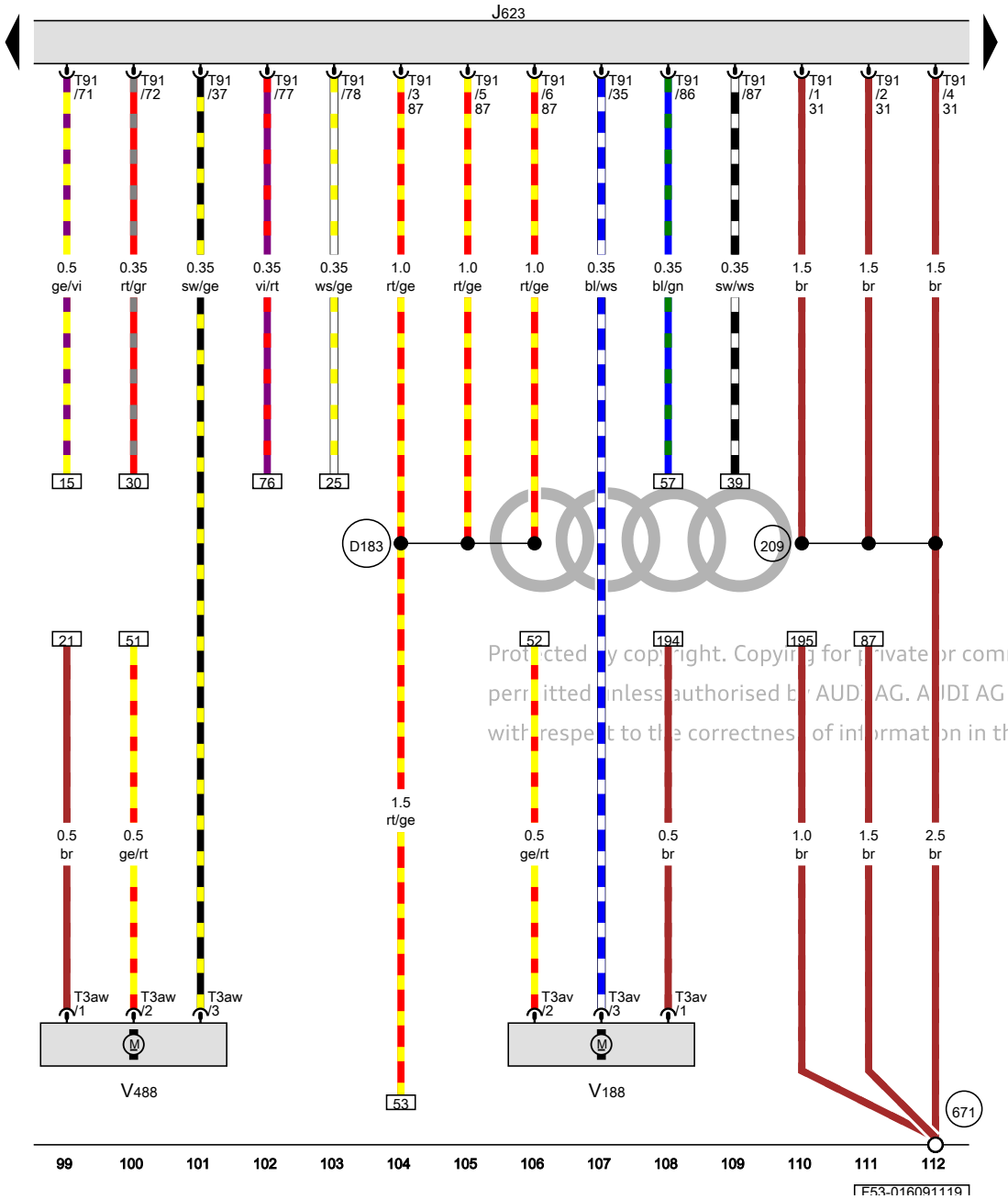
Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Air filter bypass flap valve

J623	Engine/motor control unit, in plenum chamber
N79	Heater element for crankcase breather
N144	Left electrohydraulic engine mounting solenoid valve
N275	Air filter bypass flap valve
T2cc	2-pin connector, colourless
T2cf	2-pin connector, black
T2cz	2-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
370	Earth connection 5, in main wiring harness
*	For models with reducing agent metering system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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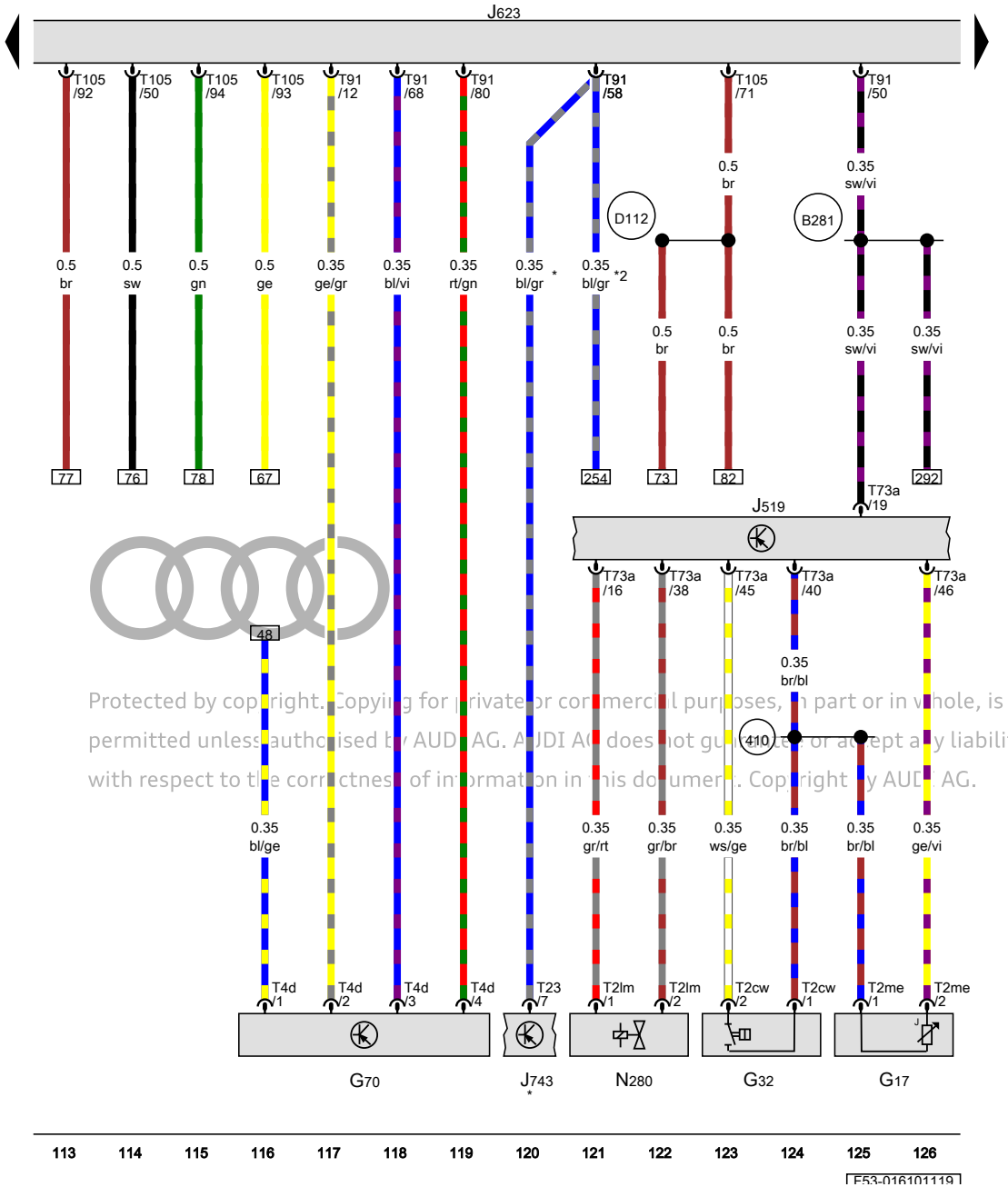
Engine/motor control unit, Auxiliary pump for heating

J623	Engine/motor control unit, in plenum chamber
T3av	3-pin connector, black
T3aw	3-pin connector, black
T91	91-pin connector, black
V188	Charge air cooling pump
V488	Auxiliary pump for heating
209	Earth connection 6, in engine compartment wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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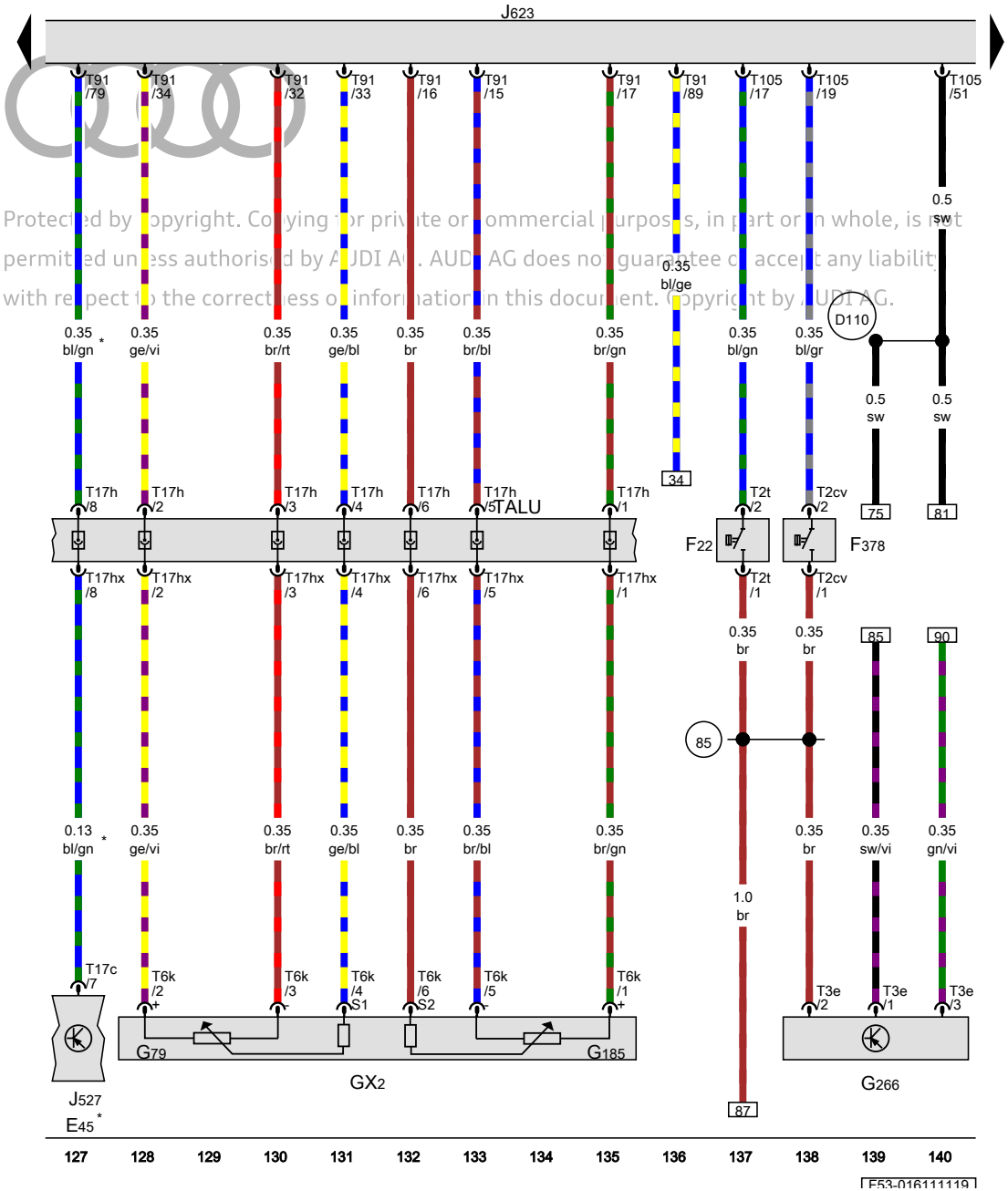
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Ambient temperature sensor, Coolant shortage indicator sender, Air mass meter, Onboard supply control unit, Engine/motor control unit, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G70	Air mass meter
J519	Onboard supply control unit
J623	Engine/motor control unit, in plenum chamber
J743	Mechatronic unit for dual clutch gearbox
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2lm	2-pin connector, black
T2me	2-pin connector, black
T4d	4-pin connector, black
T23	23-pin connector, black
T73a	73-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
D112	Connection 10 in engine compartment wiring harness
*	For models with dual clutch gearbox (DSG)
*2	For models with manual gearbox



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Accelerator pedal module, Oil level and oil temperature sender, Engine/motor control unit

E45	Cruise control system switch
F22	Oil pressure switch
F378	Oil pressure switch for reduced oil pressure
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
G266	Oil level and oil temperature sender
J527	Steering column electronics control unit
J623	Engine/motor control unit, in plenum chamber
T2cv	2-pin connector, black
T2t	2-pin connector, black
T3e	3-pin connector, black
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
T105	105-pin connector, black
TALU	Coupling point on left A-pillar, bottom
85	Earth connection 1, in engine compartment wiring harness
D110	Connection 8 in engine compartment wiring harness
*	For models with cruise control system (CCS)

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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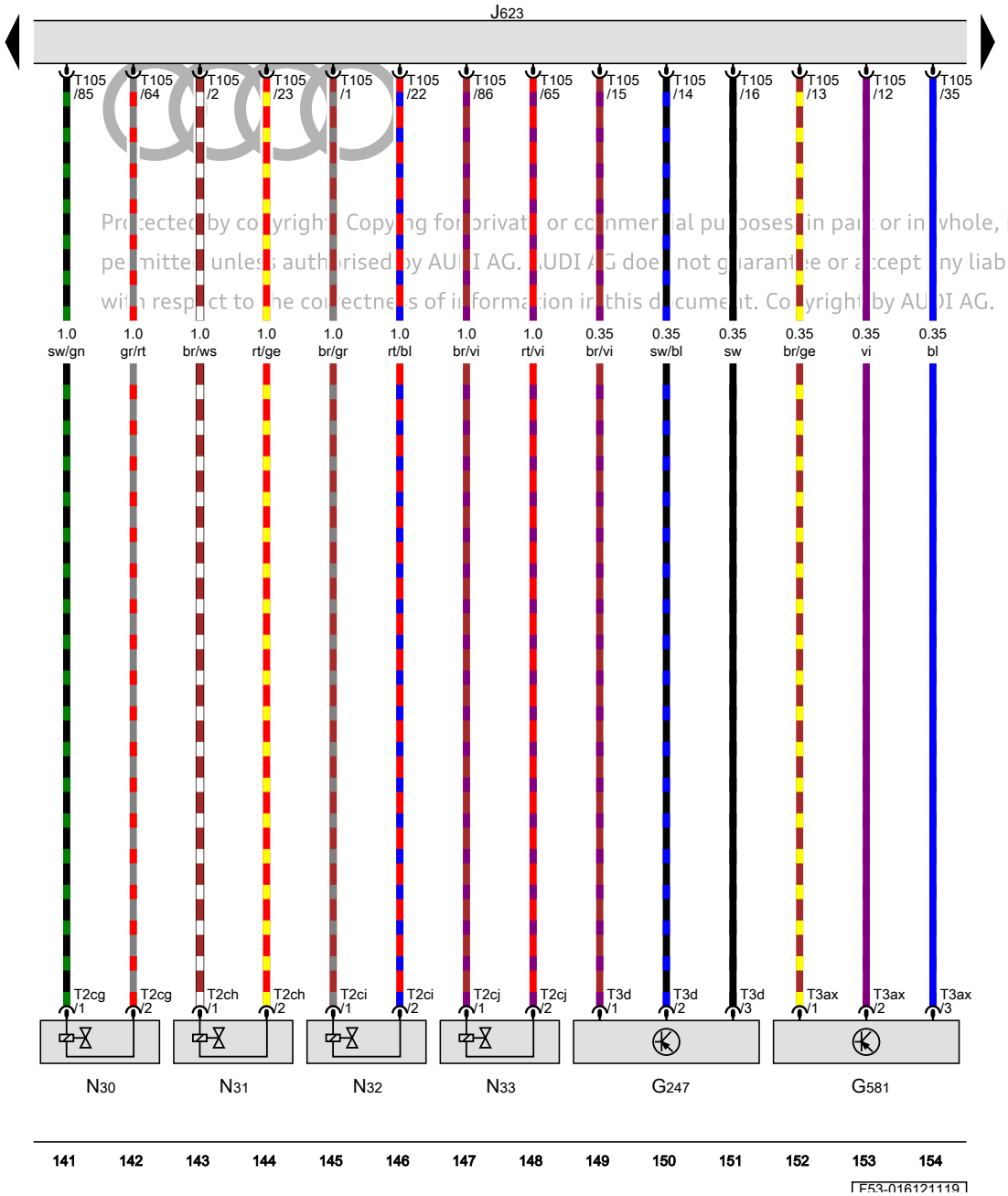
rs	=	pink



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Fuel pressure sender, Position sender for charge pressure positioner, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

G247	Fuel pressure sender
G581	Position sender for charge pressure positioner
J623	Engine/motor control unit, in plenum chamber
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T3ax	3-pin connector, brown
T3d	3-pin connector, black
T105	105-pin connector, black

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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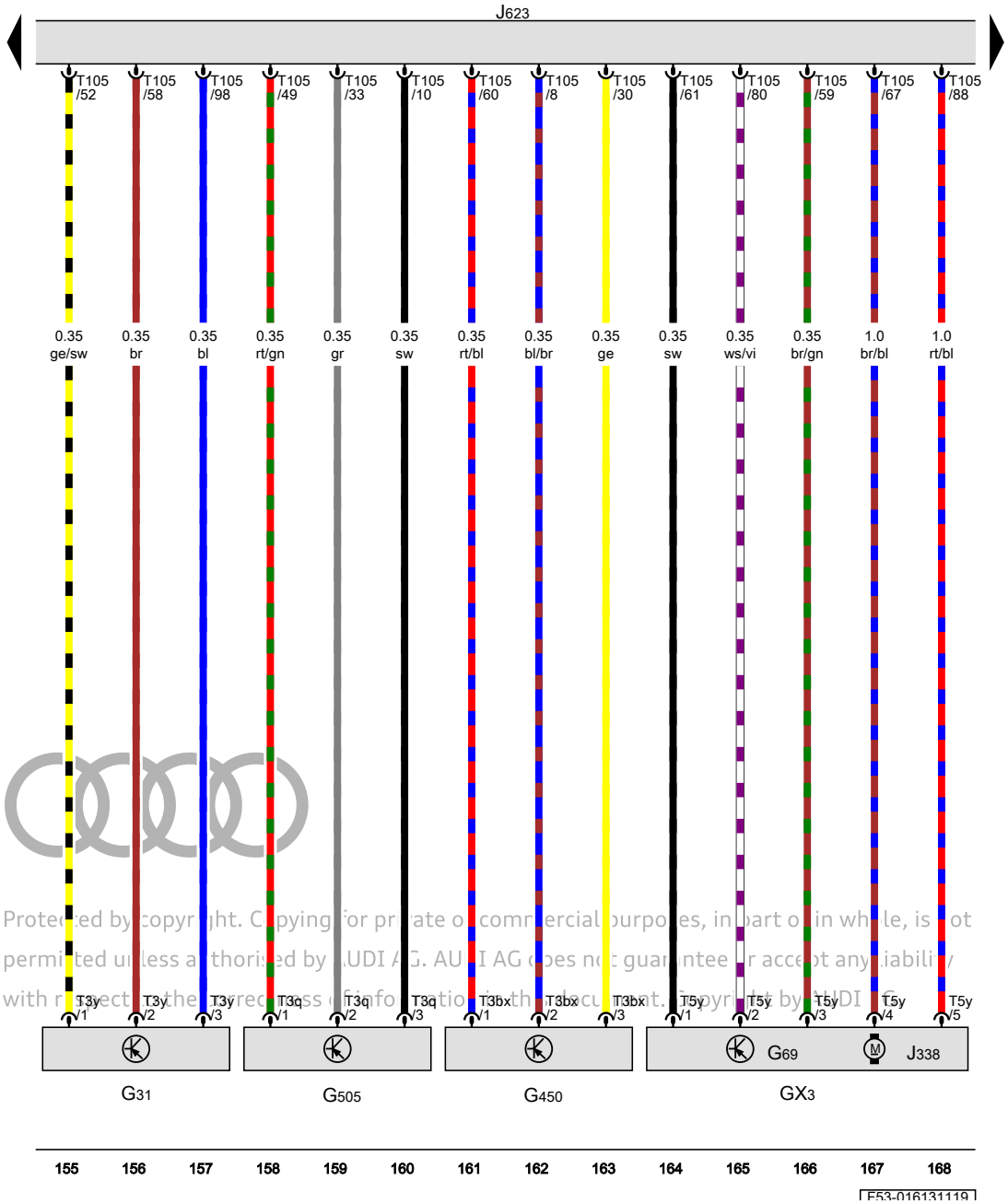

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Throttle valve module, Charge pressure sender, Exhaust gas pressure sensor 1, Pressure differential sender, Engine/ motor control unit

GX3	Throttle valve module
G31	Charge pressure sender
G69	Throttle valve potentiometer
G450	Exhaust gas pressure sensor 1
G505	Pressure differential sender
J338	Throttle valve module
J623	Engine/motor control unit, in plenum chamber
T3bx	3-pin connector, black
T3q	3-pin connector, black
T3y	3-pin connector, black
T5y	5-pin connector, black
T105	105-pin connector, black

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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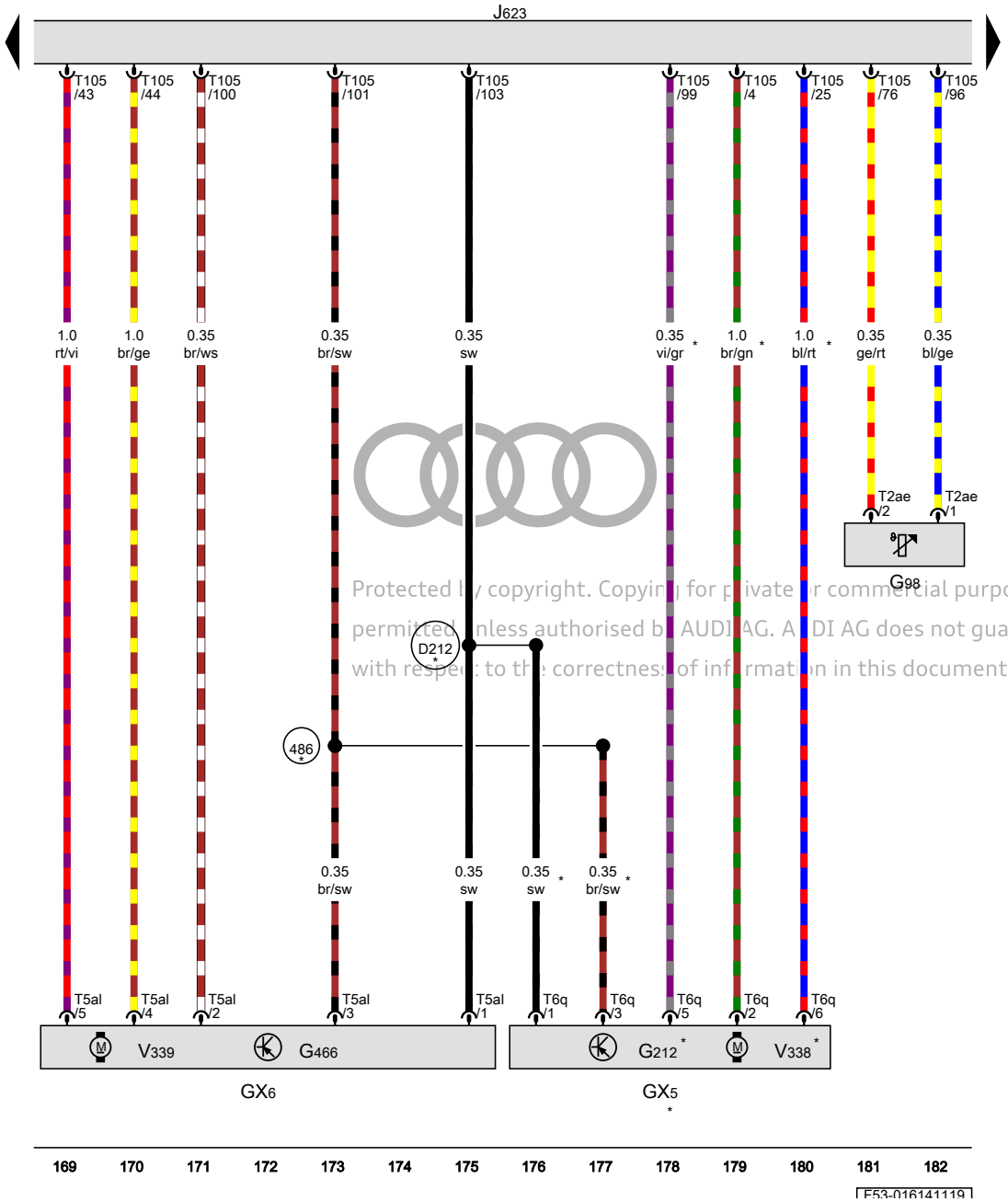

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Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Exhaust gas recirculation potentiometer, Engine/ motor control unit, Exhaust gas recirculation control motor

GX5	Exhaust gas recirculation valve 1
GX6	Exhaust gas recirculation valve 2
G98	Exhaust gas recirculation temperature sensor
G212	Exhaust gas recirculation potentiometer
G466	Exhaust gas recirculation potentiometer 2
J623	Engine/motor control unit, in plenum chamber
T2ae	2-pin connector, black
T5al	5-pin connector, grey
T6q	6-pin connector, grey
T105	105-pin connector, black
V338	Exhaust gas recirculation control motor
V339	Exhaust gas recirculation control motor 2
486	Earth point 4, engine prewiring harness
D212	Connection 4 (5V) in engine prewiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
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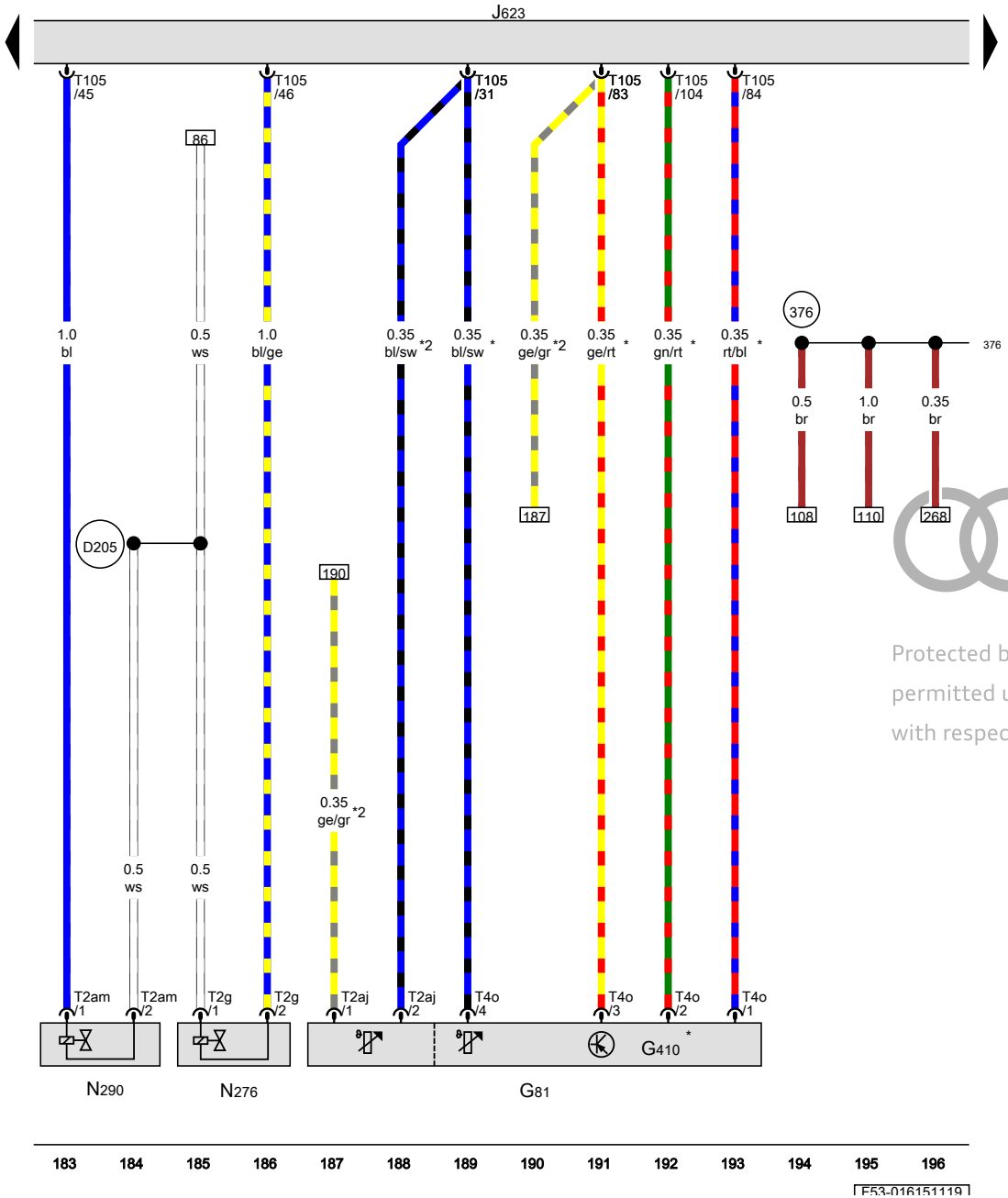

Fuel temperature sender, Fuel pressure sender for low pressure, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve

G81	Fuel temperature sender
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, in plenum chamber
N276	Fuel pressure regulating valve
N290	Fuel metering valve
T2aj	2-pin connector, black
T2am	2-pin connector, black
T2g	2-pin connector, black
T4o	4-pin connector, black
T105	105-pin connector, black
376	Earth connection 11, in main wiring harness
D205	Connection 3 (87a) in engine prewiring harness
*	Not for models with Euro 6 emission standard
*2	For models with Euro 6 emission standard

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ge	=	yellow
or	=	orange
rs	=	pink

Water level sender, Gear detection sensor, Engine/motor control unit, Radiator blind control motor, Radiator blind control motor 2

G120	Water level sender
G604	Gear detection sensor
J623	Engine/motor control unit, in plenum chamber
T3ge	3-pin connector, black
T3w	3-pin connector, black
T4bl	4-pin connector, black
T4bm	4-pin connector, black
T4ja	4-pin connector, black
T4jax	4-pin connector, black
T4jb	4-pin connector, black
T4jbx	4-pin connector, black
T91	91-pin connector, black
TKJ	Coupling point for radiator blind
V544	Radiator blind control motor, top
V550	Radiator blind control motor 2, bottom
328	Earth connection 2 (sender earth), in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
D128	Connection 26 in engine compartment wiring harness
D218	Connection 1 (LIN bus) in engine compartment wiring harness

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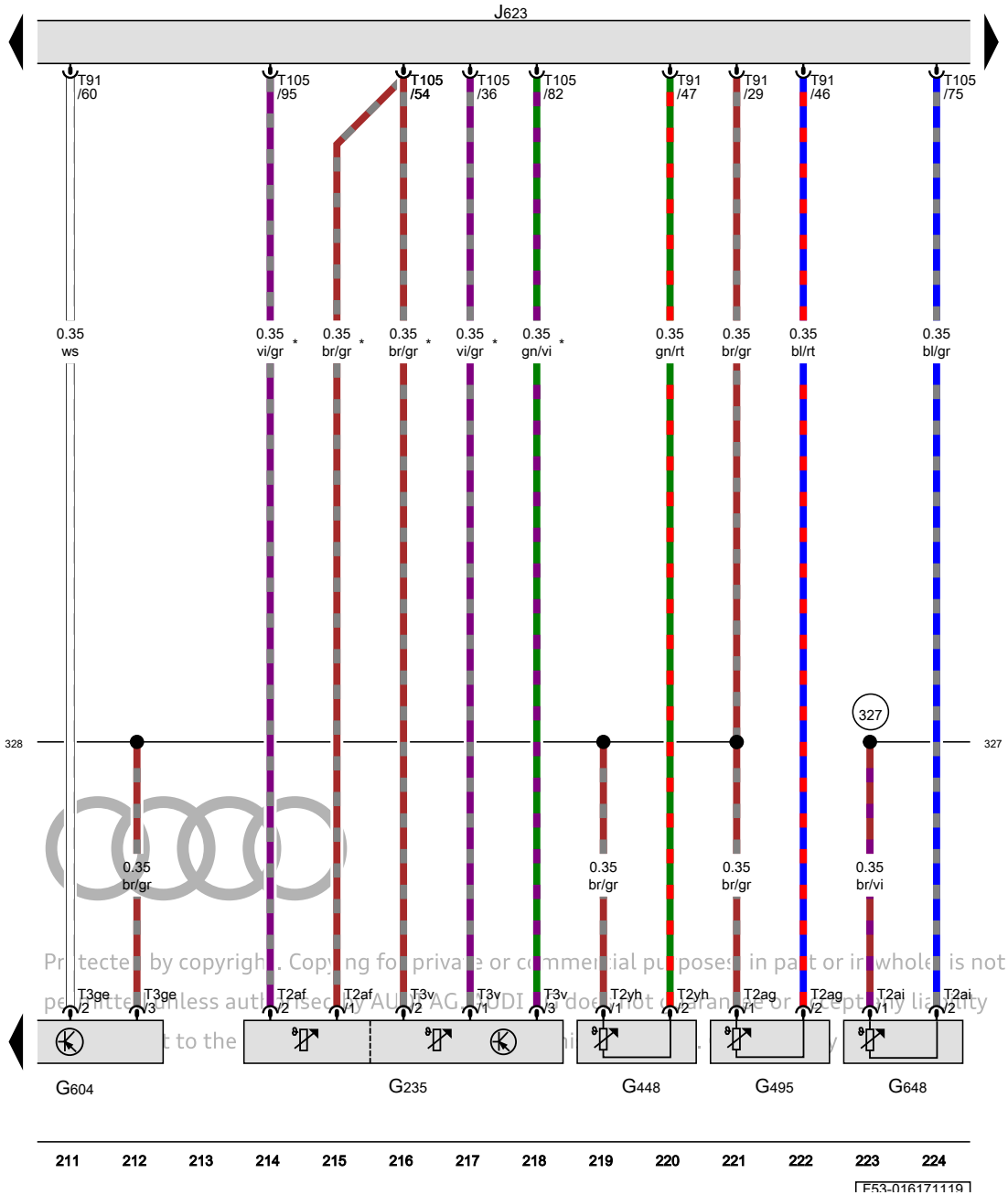

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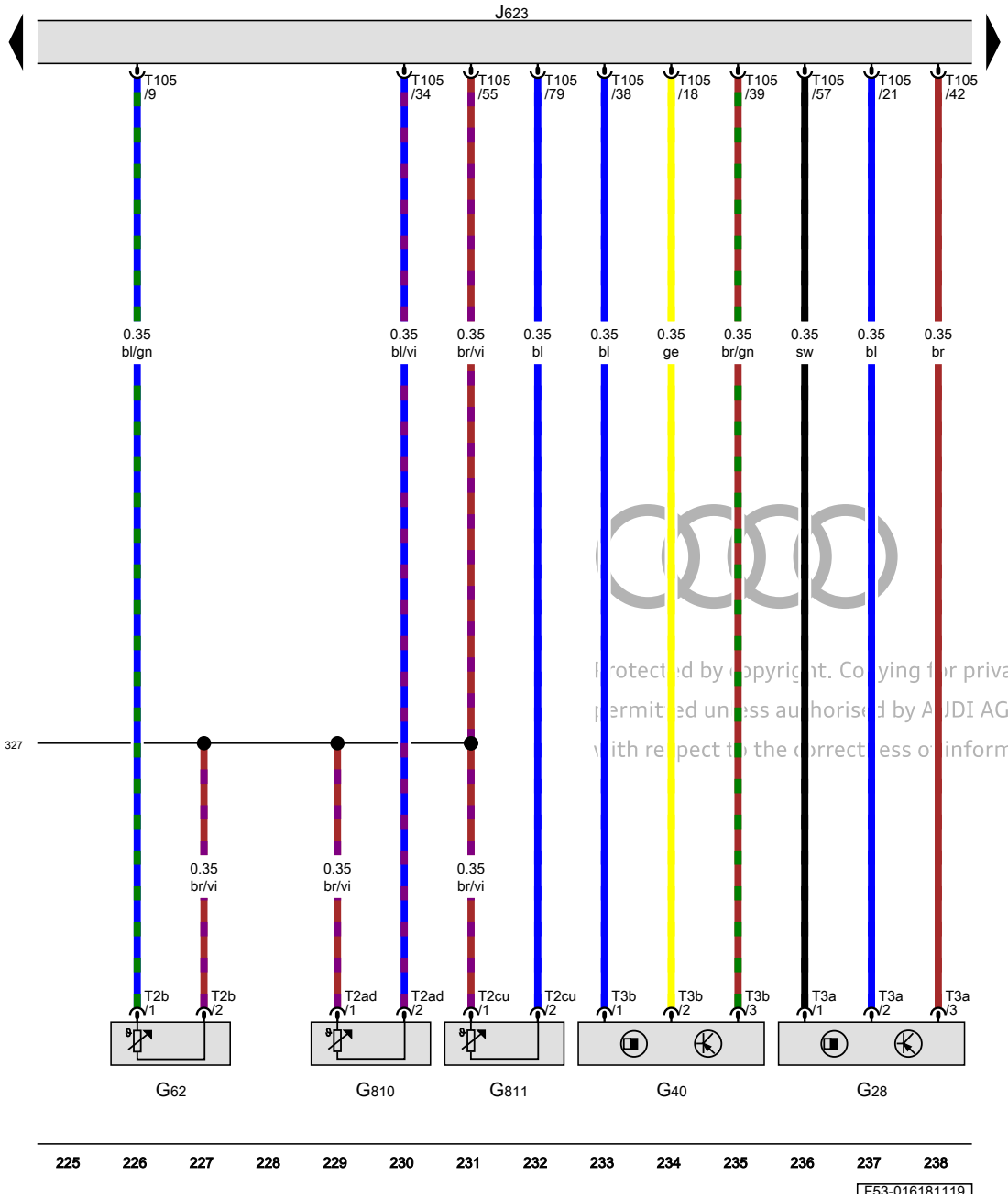
rs = pink

Exhaust gas temperature sender 1, Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Gear detection sensor, Exhaust gas temperature sender 4, Engine/motor control unit

G235	Exhaust gas temperature sender 1
G448	Exhaust gas temperature sender 2
G495	Exhaust gas temperature sender 3
G604	Gear detection sensor
G648	Exhaust gas temperature sender 4
J623	Engine/motor control unit, in plenum chamber
T2af	2-pin connector, black
T2ag	2-pin connector, black
T2ai	2-pin connector, black
T2yh	2-pin connector, brown
T3ge	3-pin connector, black
T3v	3-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
*	According to equipment



Engine speed sender, Hall sender, Coolant temperature sender, Charge air temperature sender before charge air cooler, Charge air temperature sender after charge air cooler, Engine/motor control unit

G28	Engine speed sender
G40	Hall sender
G62	Coolant temperature sender
G810	Charge air temperature sender before charge air cooler
G811	Charge air temperature sender after charge air cooler
J623	Engine/motor control unit, in plenum chamber
T2ad	2-pin connector, black
T2b	2-pin connector, black
T2cu	2-pin connector, black
T3a	3-pin connector, black
T3b	3-pin connector, black
T105	105-pin connector, black
327	Earth connection (sender earth), in engine compartment wiring harness

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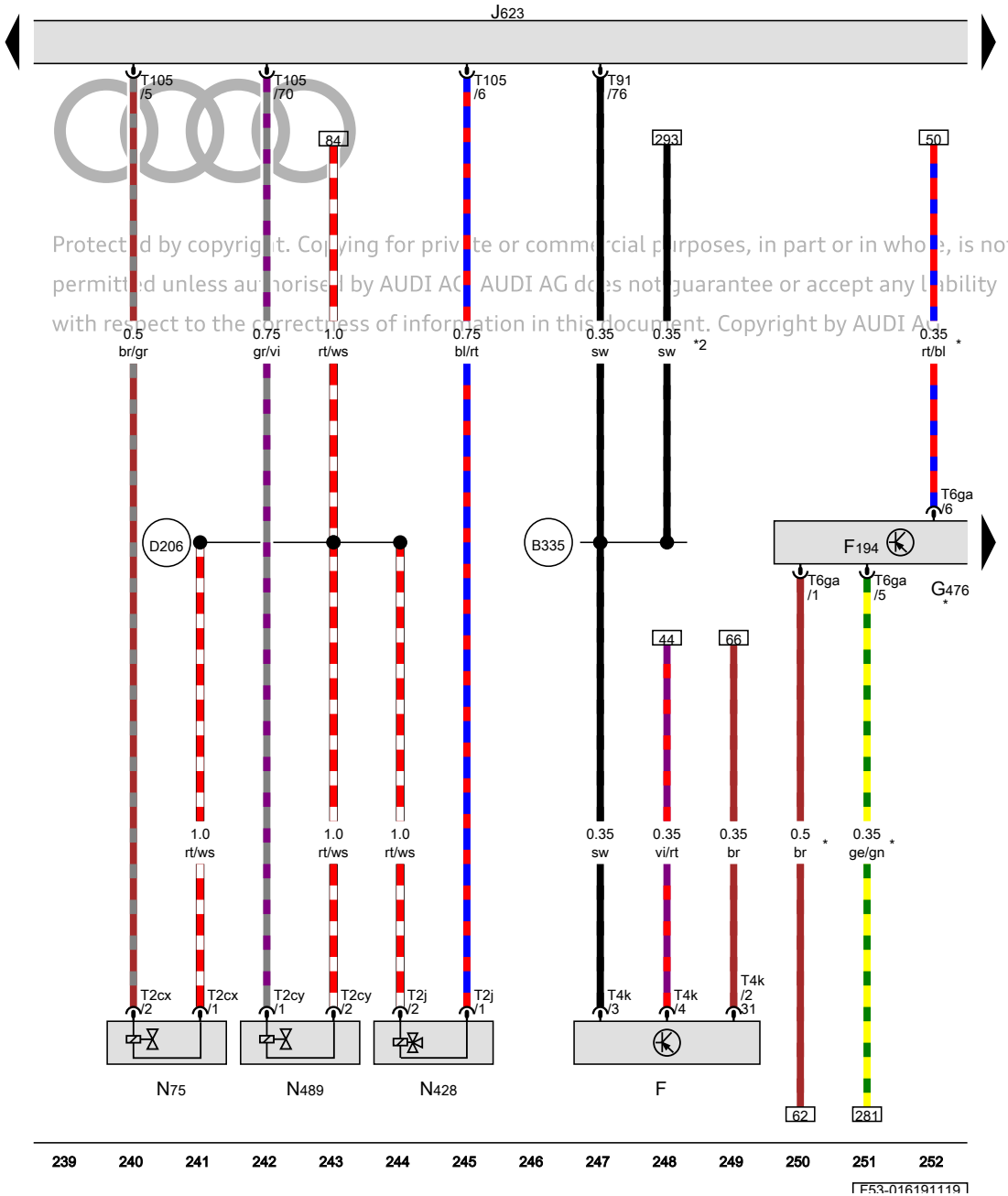

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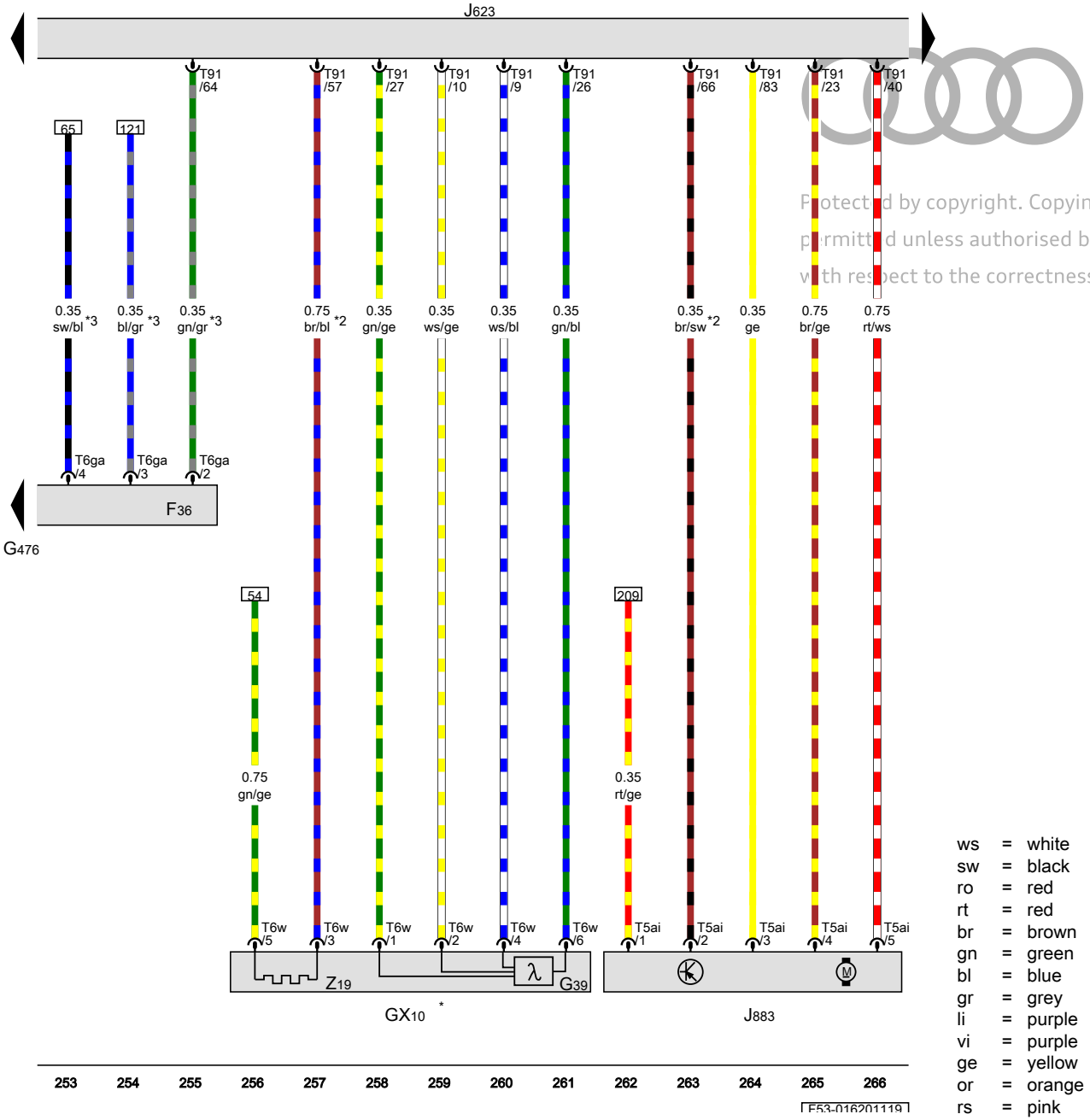
or = orange
rs = pink

Brake light switch, Engine/motor control unit, Charge pressure control solenoid valve, Valve for oil pressure control, Coolant valve for cylinder head

F	Brake light switch
F194	Clutch pedal switch for engine start
G476	Clutch position sender
J623	Engine/motor control unit, in plenum chamber
N75	Charge pressure control solenoid valve
N428	Valve for oil pressure control
N489	Coolant valve for cylinder head
T2cx	2-pin connector, black
T2cy	2-pin connector, brown
T2j	2-pin connector, black
T4k	4-pin connector, black
T6ga	6-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
B335	Connection 1 (54), in main wiring harness
D206	Connection 4 (87a) in engine prewiring harness
*	For models with manual gearbox
*2	Cross section depends on equipment

Lambda probe 1 before catalytic converter, Lambda probe, Engine/motor control unit, Exhaust flap control unit, Lambda probe heater

F36	Clutch pedal switch
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G476	Clutch position sender
J623	Engine/motor control unit, in plenum chamber
J883	Exhaust flap control unit
T5ai	5-pin connector, black
T6ga	6-pin connector, black
T6w	6-pin connector, brown
T91	91-pin connector, black
Z19	Lambda probe heater
*	Pre-wired component
*2	Different wire colour possible
*3	For models with manual gearbox



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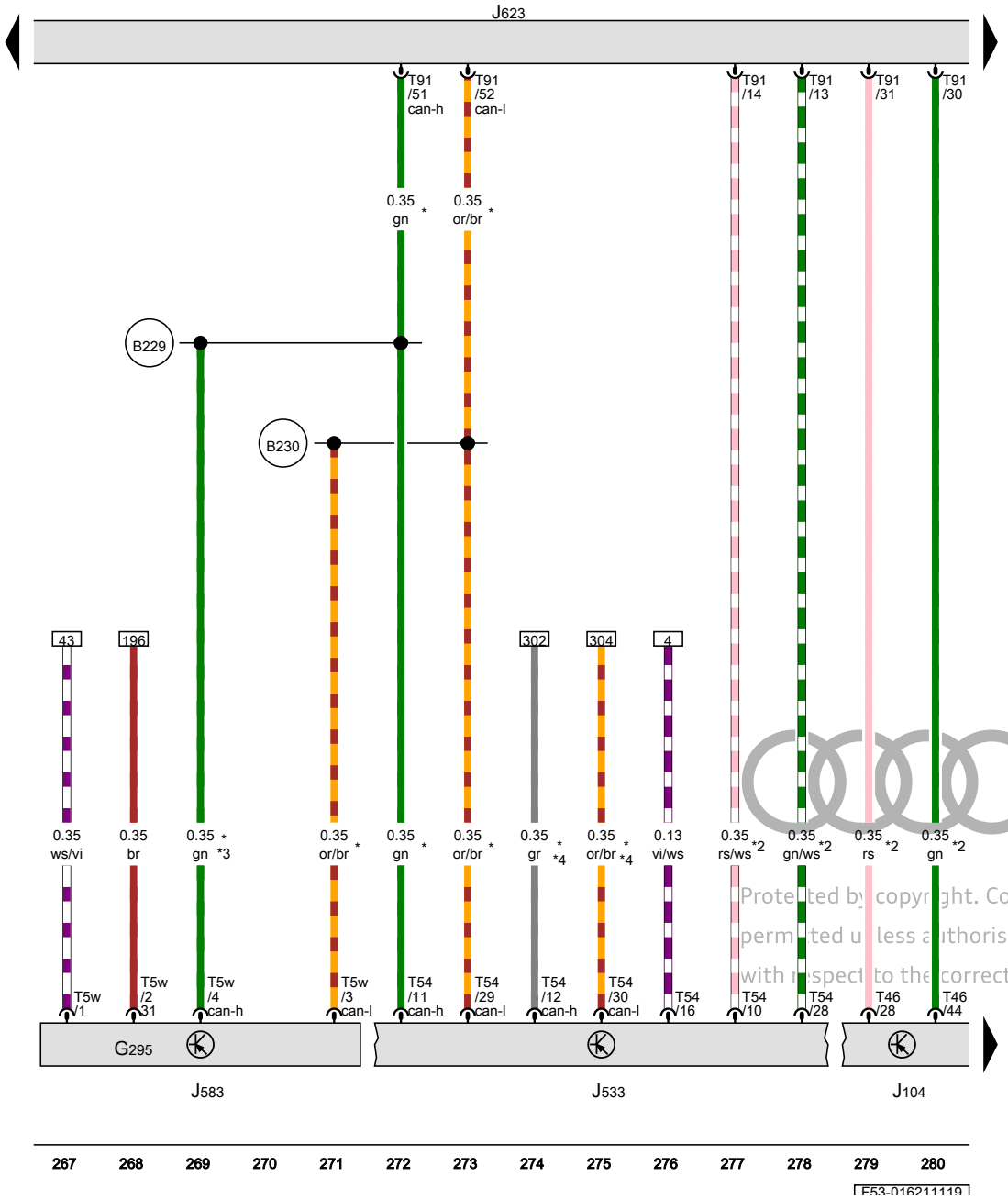

NOx sender, Data bus diagnostic interface, Control unit for NOx sender, Engine/motor control unit

G295	NOx sender
J104	ABS control unit
J533	Data bus diagnostic interface
J583	Control unit for NOx sender
J623	Engine/motor control unit, in plenum chamber
T5w	5-pin connector, black
T46	46-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
*	Data bus wire (CAN bus)
*2	Data bus wire (FlexRay bus)
*3	Different wire colour possible
*4	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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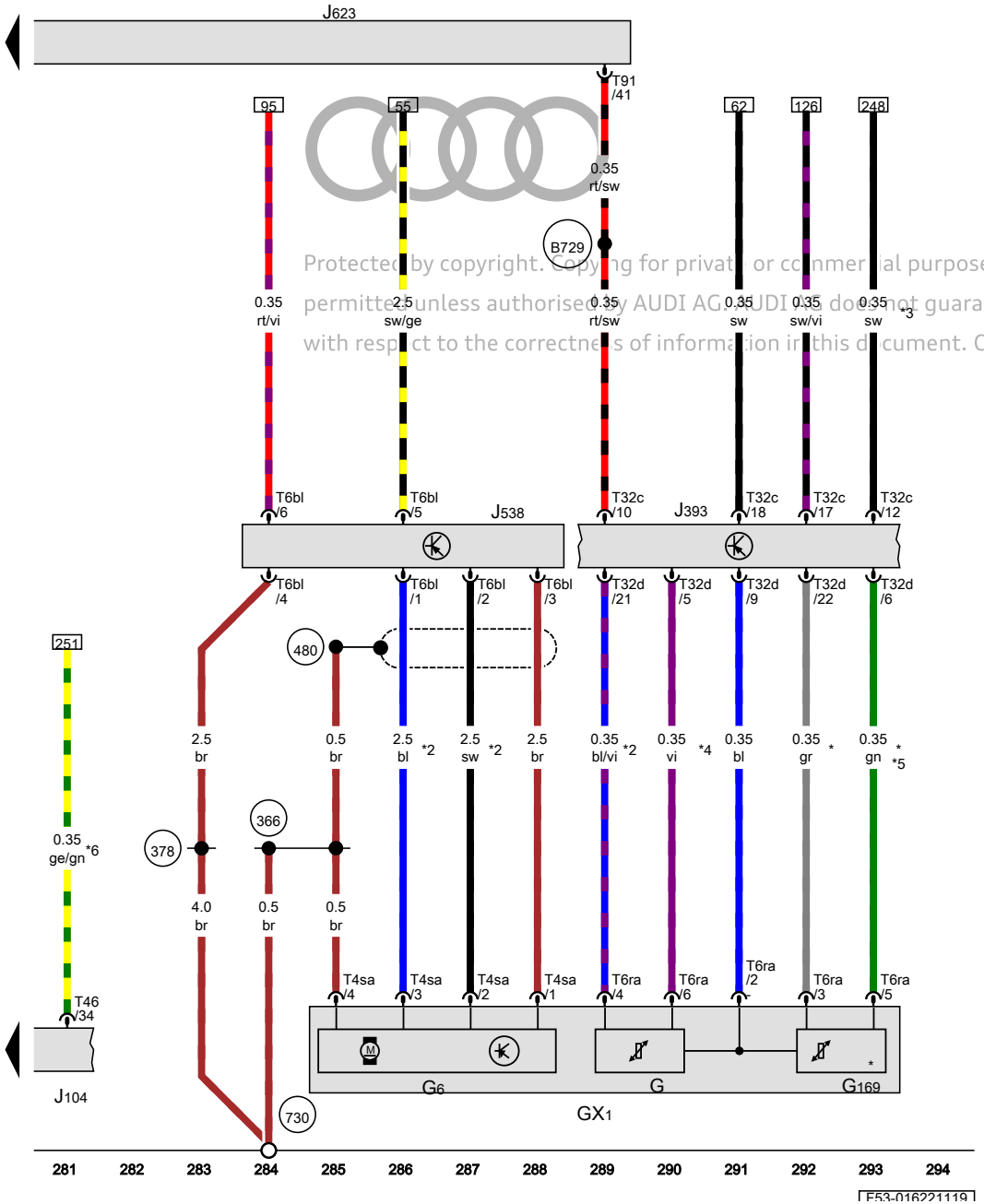

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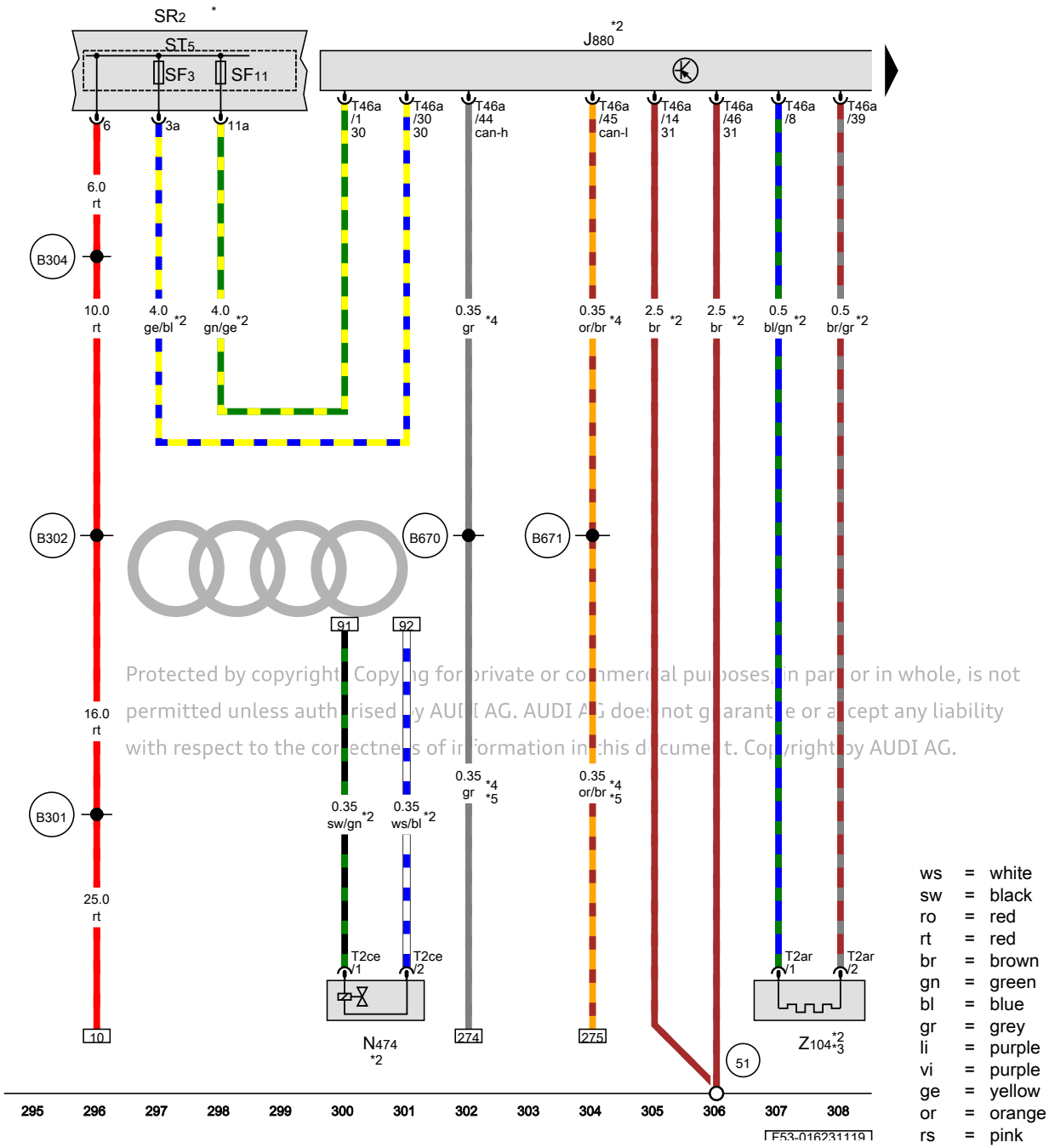
Fuel gauge sender, Fuel delivery unit, Fuel system pressurisation pump, Fuel gauge sender 2, Convenience system central control unit, Fuel pump control unit, Engine/ motor control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J104	ABS control unit
J393	Convenience system central control unit
J538	Fuel pump control unit
J623	Engine/motor control unit, in plenum chamber
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
T46	46-pin connector, black
T91	91-pin connector, black
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Wiring colour depends on equipment
*3	Cross section depends on equipment
*4	According to equipment
*5	Up to July 2018
*6	For models with manual gearbox



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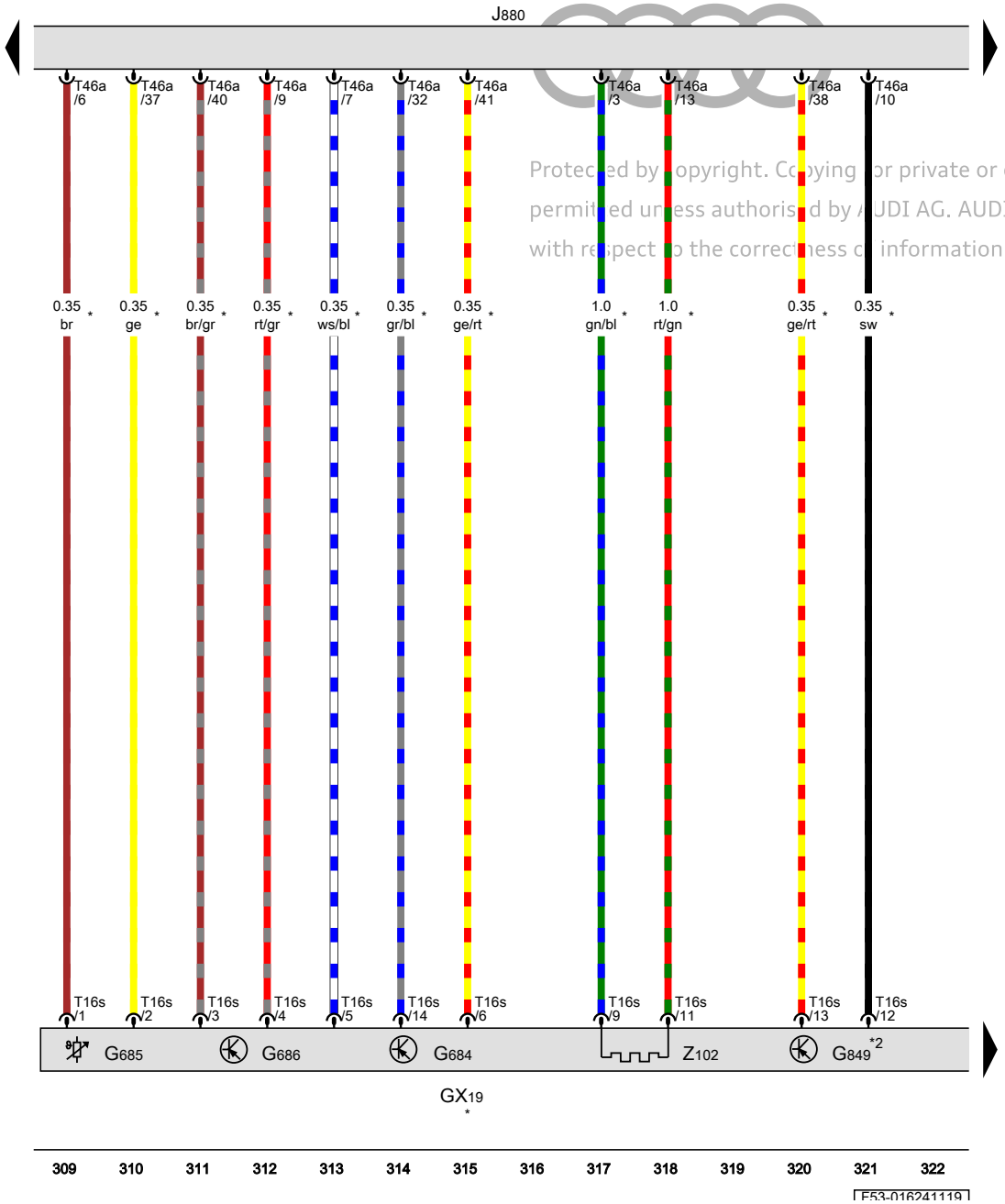
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit for reducing agent metering system, Injector for reducing agent, Heater for reducing agent line (heater circuit 2)

J880	Control unit for reducing agent metering system
N474	Injector for reducing agent
SR2	Relay and fuse carrier 2
SF3	Fuse 3 in fuse holder F
ST5	Fuse carrier 5
SF11	Fuse 11 in fuse holder F
T2ar	2-pin connector, black
T2ce	2-pin connector, black
T46a	46-pin connector, black
Z104	Heater for reducing agent line (heater circuit 2)
51	Earth point, on right in luggage compartment
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with reducing agent metering system
*3	Heater for reducing agent line can comprise multiple sections
*4	Data bus wire (CAN bus)
*5	Cross section depends on equipment



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Delivery unit for reducing agent metering system, Tank sender for reducing agent, Temperature sender for reducing agent, Pressure sender for reducing agent metering system, Reducing agent quality sensor, Control unit for reducing agent metering system, Heater for reducing agent tank (heater circuit 1)

GX19	Delivery unit for reducing agent metering system
G684	Tank sender for reducing agent
G685	Temperature sender for reducing agent
G686	Pressure sender for reducing agent metering system
G849	Reducing agent quality sensor
J880	Control unit for reducing agent metering system
T16s	16-pin connector, black
T46a	46-pin connector, black
Z102	Heater for reducing agent tank (heater circuit 1)
*	For models with reducing agent metering system
*2	Gradually discontinued

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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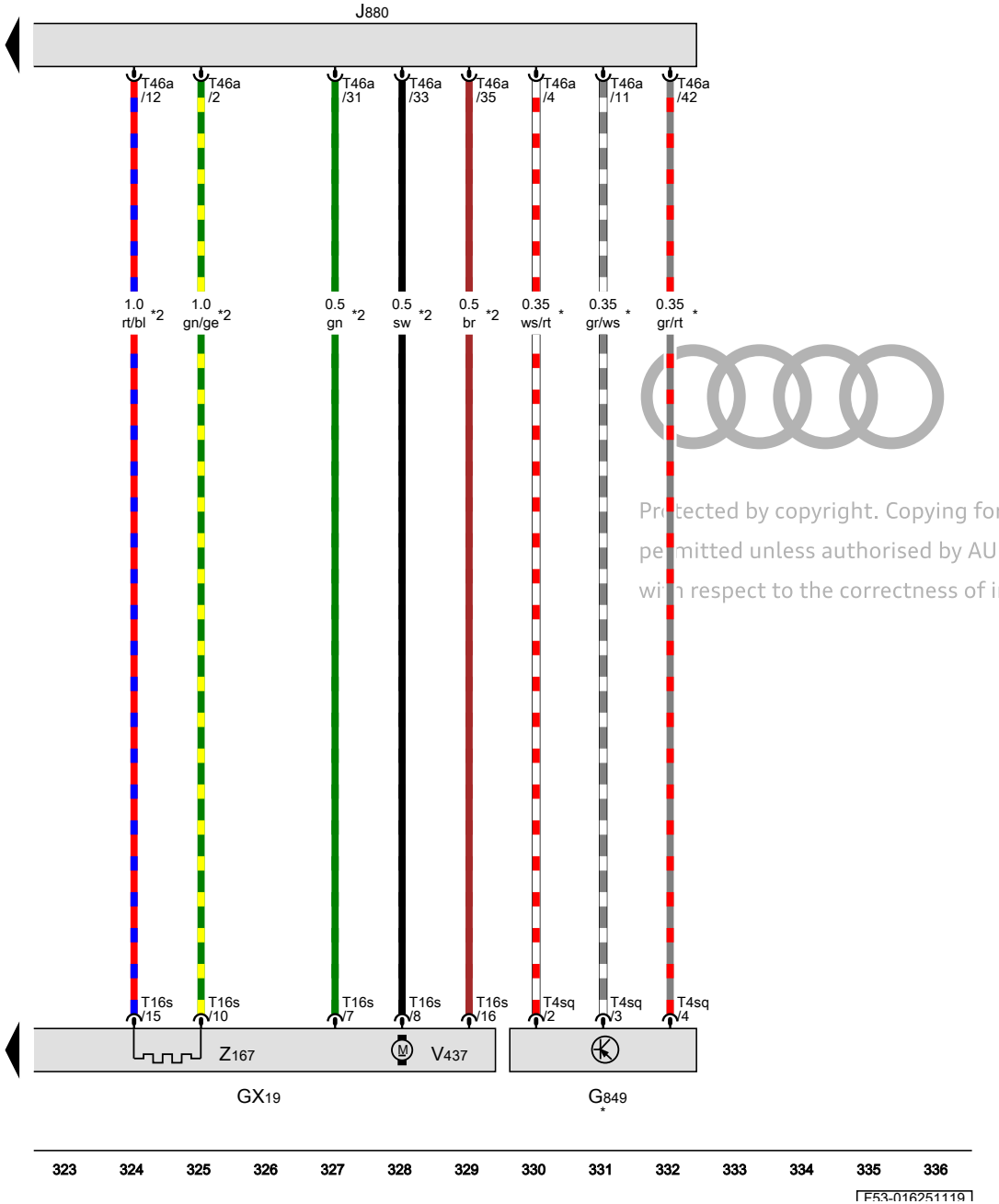
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Delivery unit for reducing agent metering system, Reducing agent quality sensor, Control unit for reducing agent metering system, Pump for reducing agent, Heater 2 for reducing agent tank (heater circuit 3)

GX19	Delivery unit for reducing agent metering system
G849	Reducing agent quality sensor
J880	Control unit for reducing agent metering system
T4sq	4-pin connector, black
T16s	16-pin connector, black
T46a	46-pin connector, black
V437	Pump for reducing agent
Z167	Heater 2 for reducing agent tank (heater circuit 3)
*	gradual introduction
*2	For models with reducing agent metering system

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3.0l diesel engine , CRTC,CSWB

From July 2016

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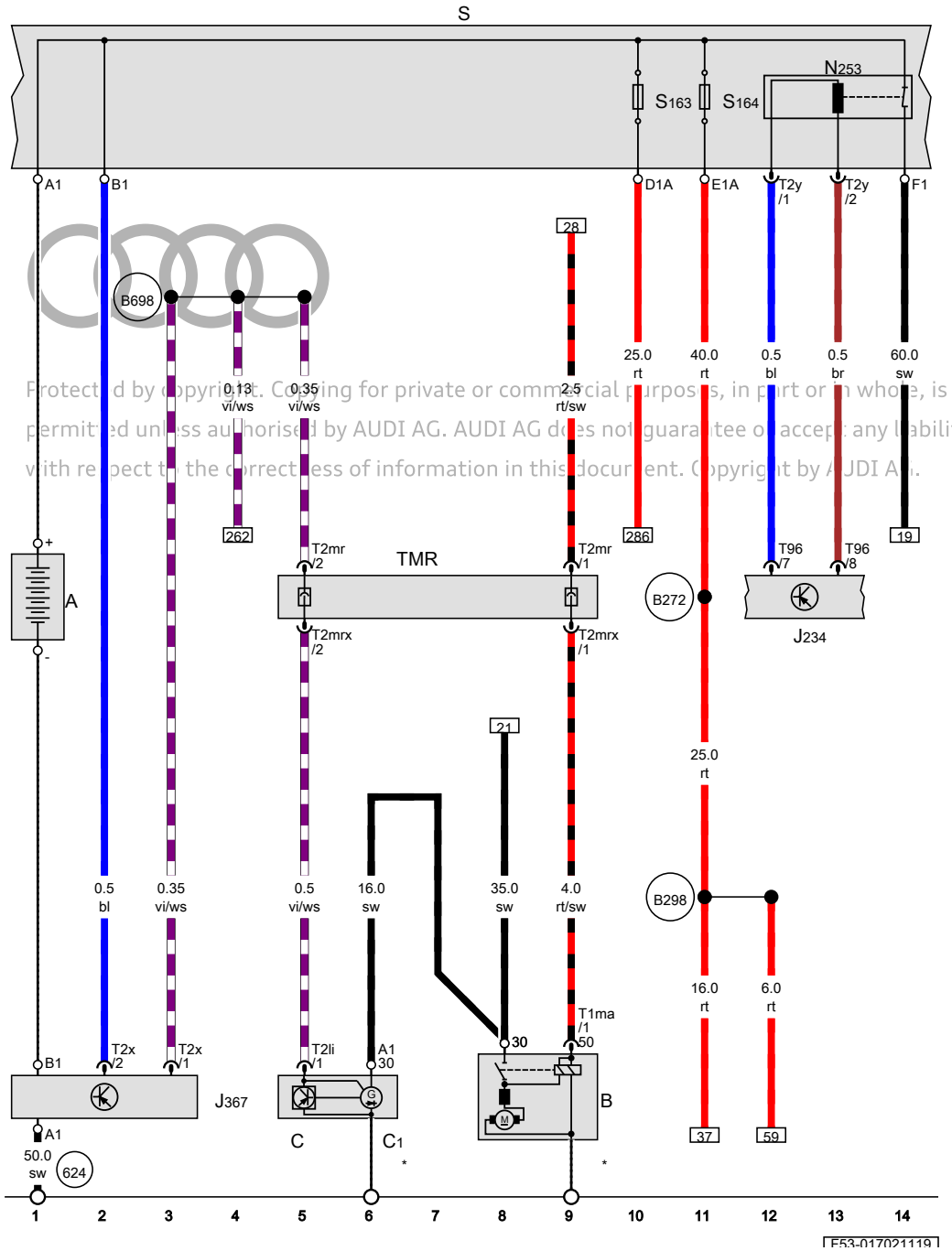

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Battery, Starter, Alternator, Battery monitor control unit, Battery isolation igniter, Fuses in fuse holder

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

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sw	=	black
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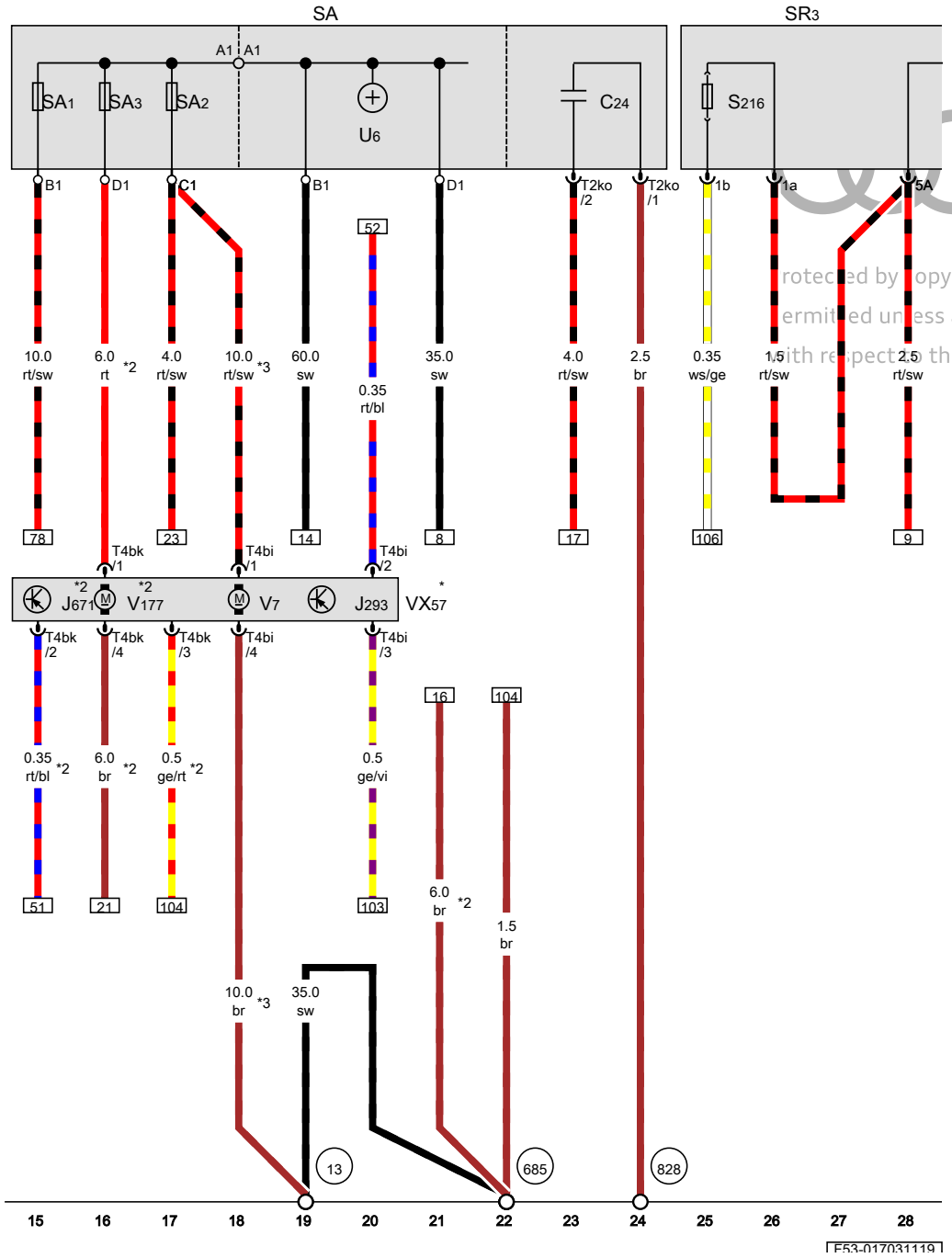

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Suppression filter, Radiator fan control unit, Fuse holder A, Relay and fuse carrier 3, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
J671	Radiator fan control unit 2
S216	Fuse (50)
SA	Fuse holder A
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SR3	Relay and fuse carrier 3
SA3	Fuse 3 on fuse holder A
T2ko	2-pin connector, black
T4bi	4-pin connector, black
T4bk	4-pin connector, black
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
V177	Radiator fan 2
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with towing bracket
*3	Cross-section 6.0 possible

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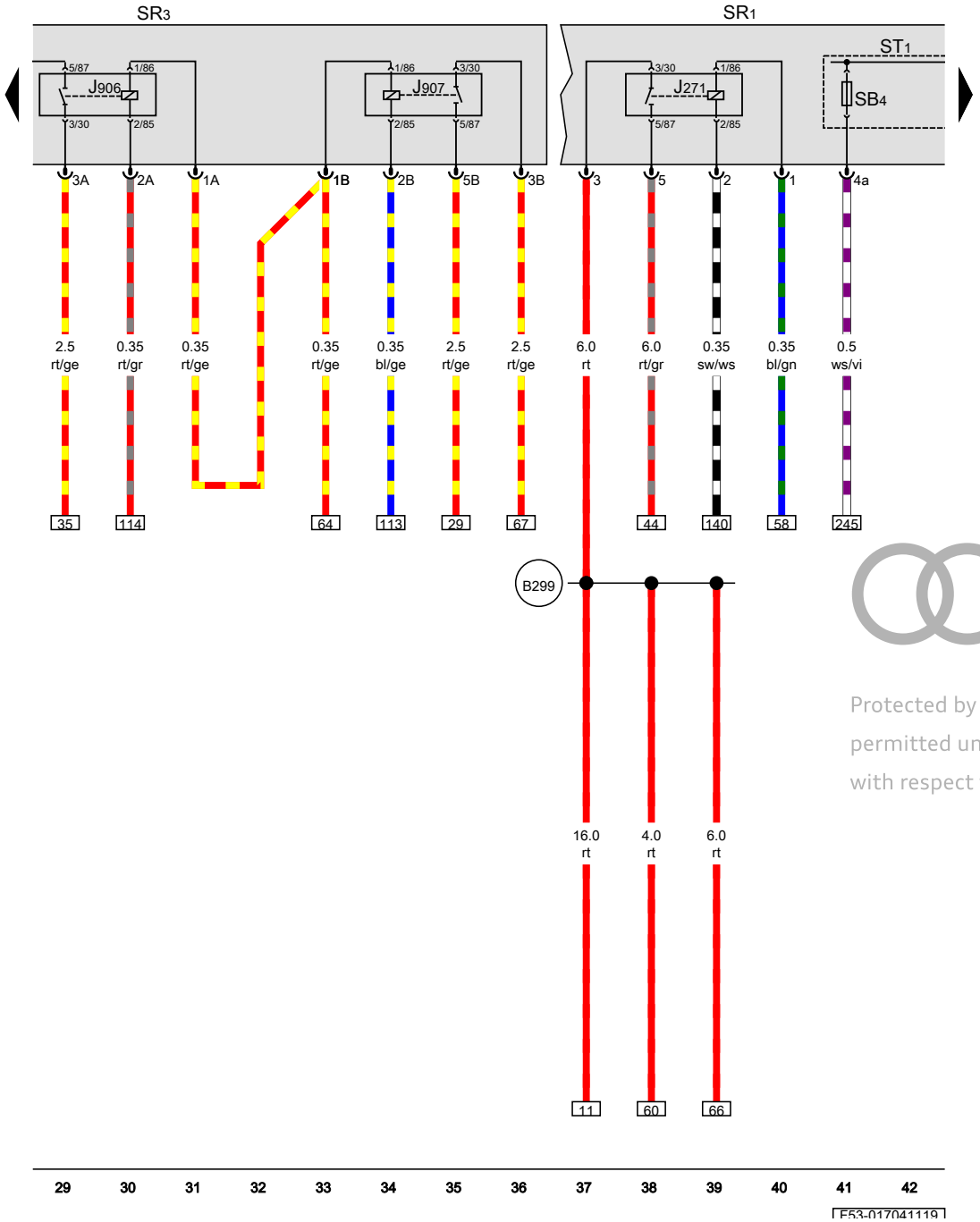

Main relay, Starter relay 1, Starter relay 2, Relay and fuse carrier 1, Fuse carrier 1, Relay and fuse carrier 3

J271	Main relay
J906	Starter relay 1
J907	Starter relay 2
SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
SR3	Relay and fuse carrier 3
SB4	Fuse 4 on fuse holder B
B299	Positive connection 3 (30), in main wiring harness

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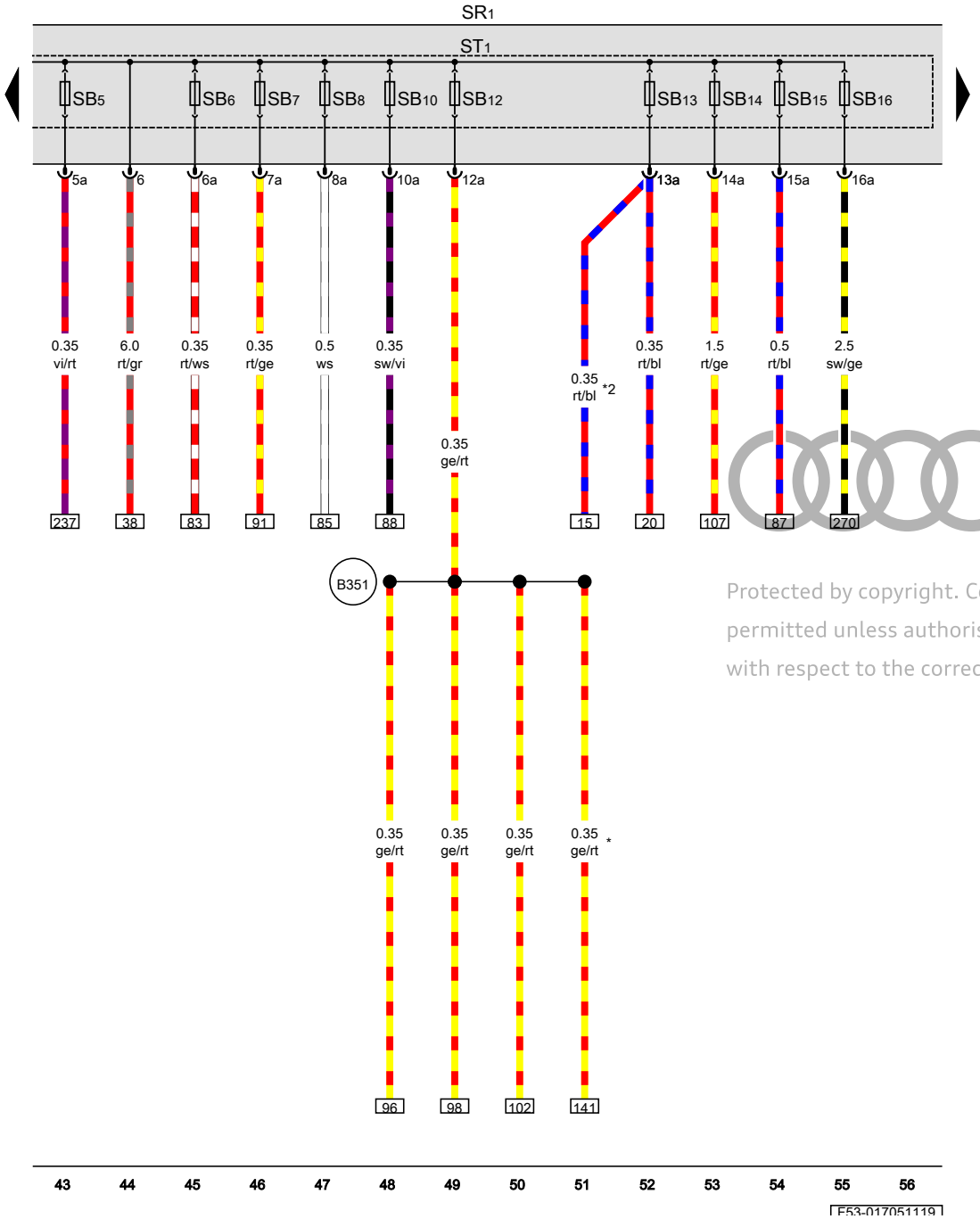

Relay and fuse carrier 1, Fuse carrier 1

SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
B351	Positive connection 2 (87a) in main wiring harness
*	According to equipment
*2	For models with towing bracket

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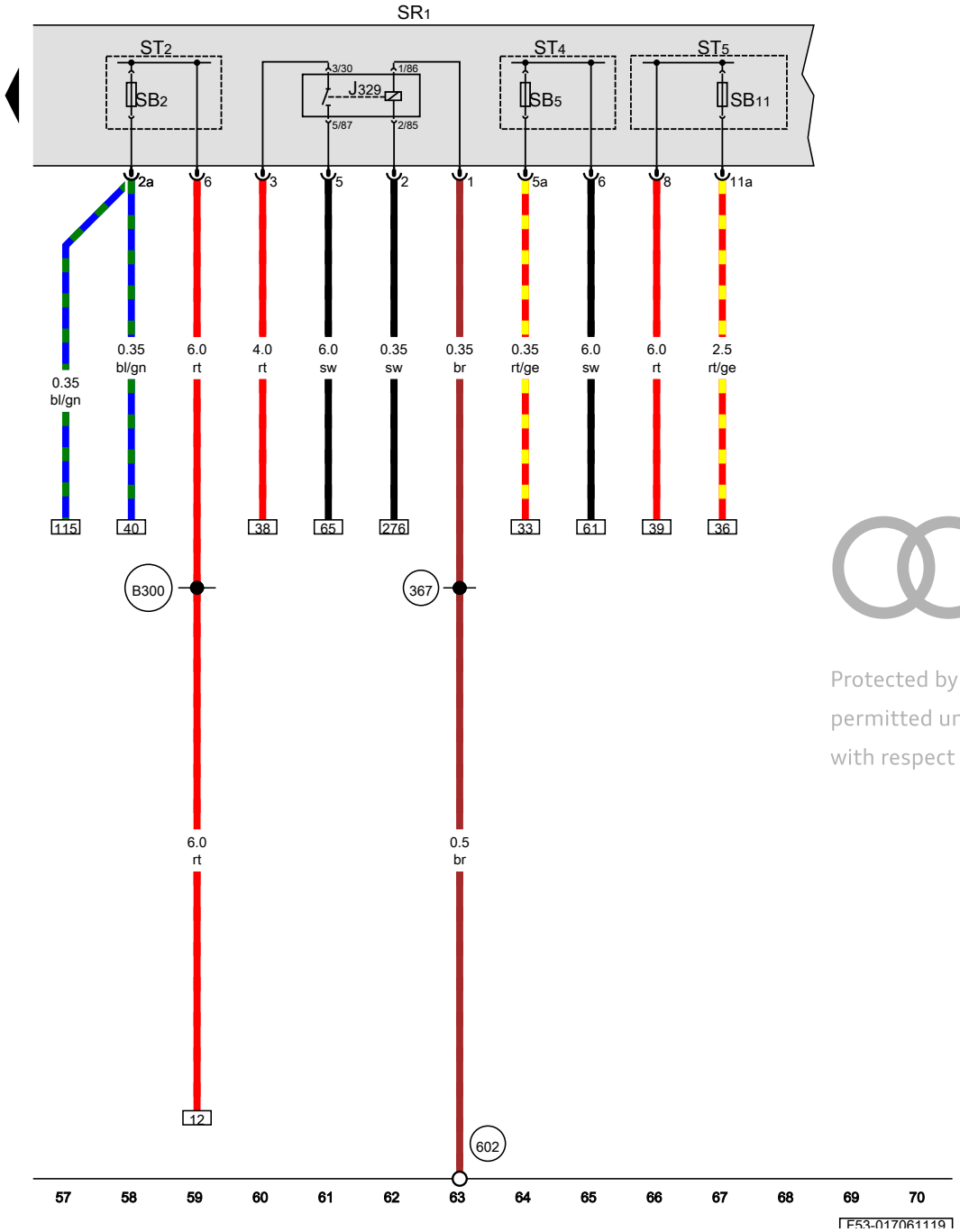

Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay
SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
B300	Positive connection 4 (30), in main wiring harness

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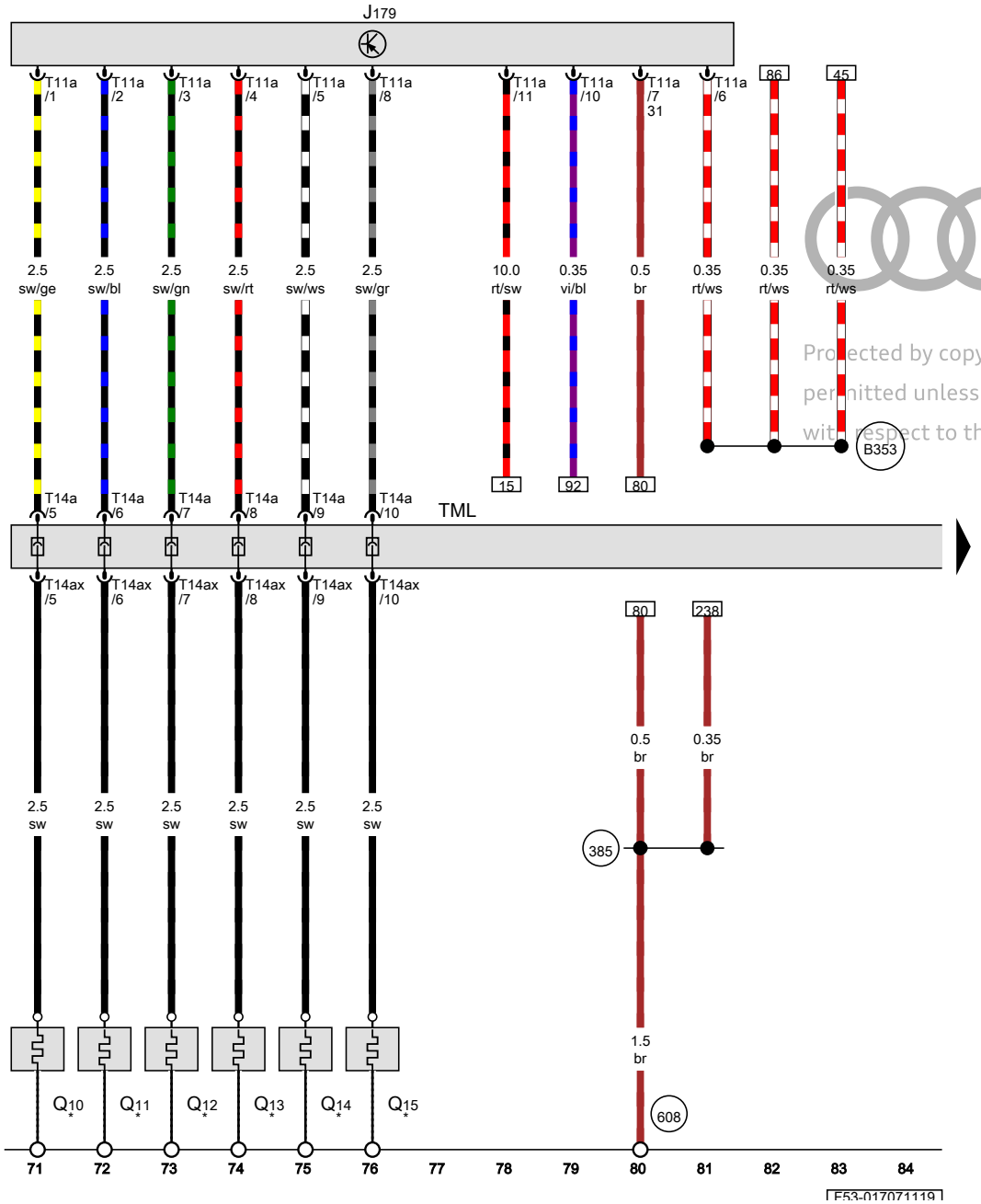
Automatic glow period control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Glow plug 5, Glow plug 6

J179	Automatic glow period control unit
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
Q14	Glow plug 5
Q15	Glow plug 6
T11a	11-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
TML	Coupling point in engine compartment, left
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
B353	Positive connection 4 (87a) in main wiring harness
*	Earth supply via housing



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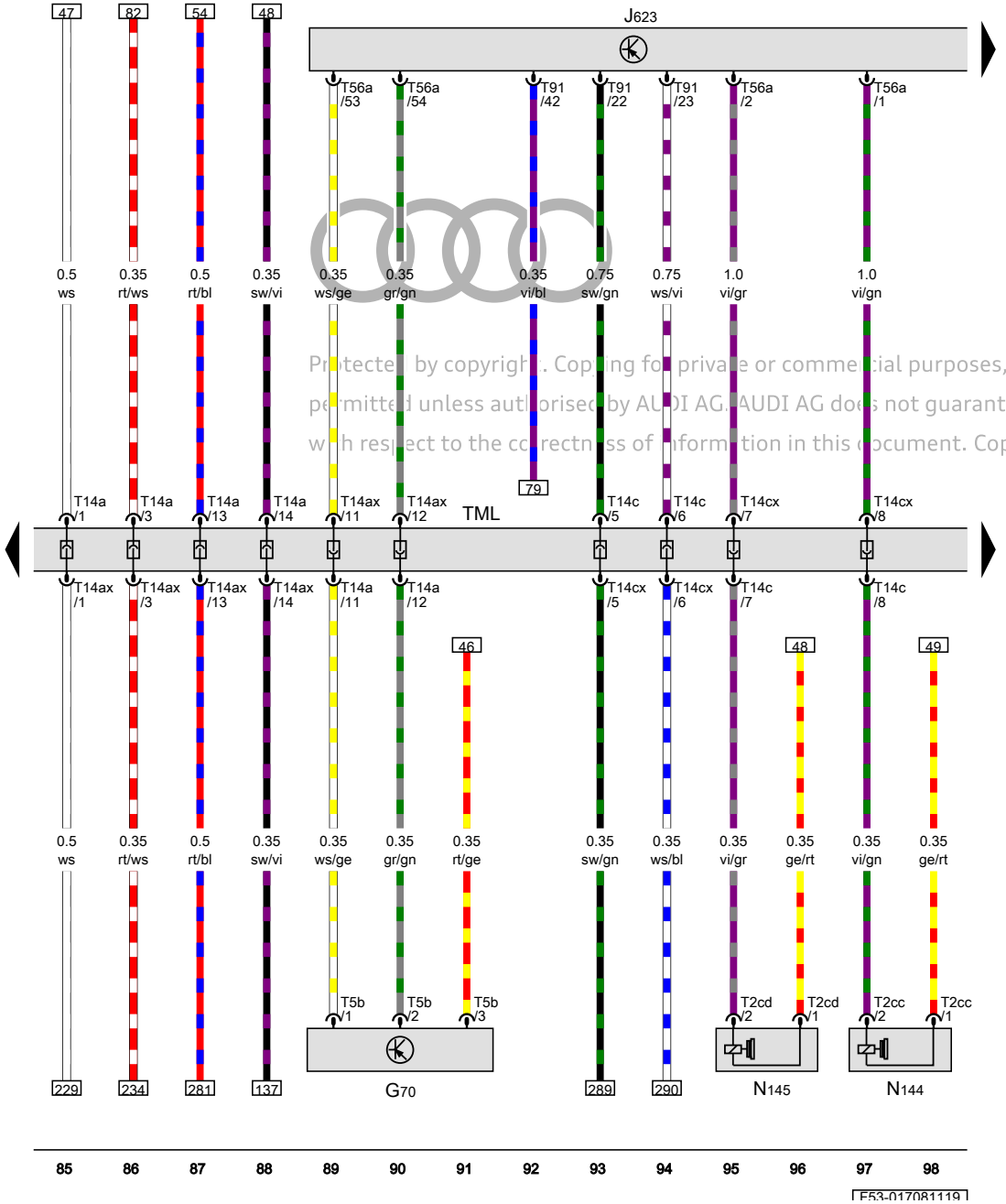

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Air mass meter, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve

G70	Air mass meter
J623	Engine/motor control unit, in plenum chamber
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T5b	5-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
T56a	56-pin connector, black
T91	91-pin connector, black
TML	Coupling point in engine compartment, left

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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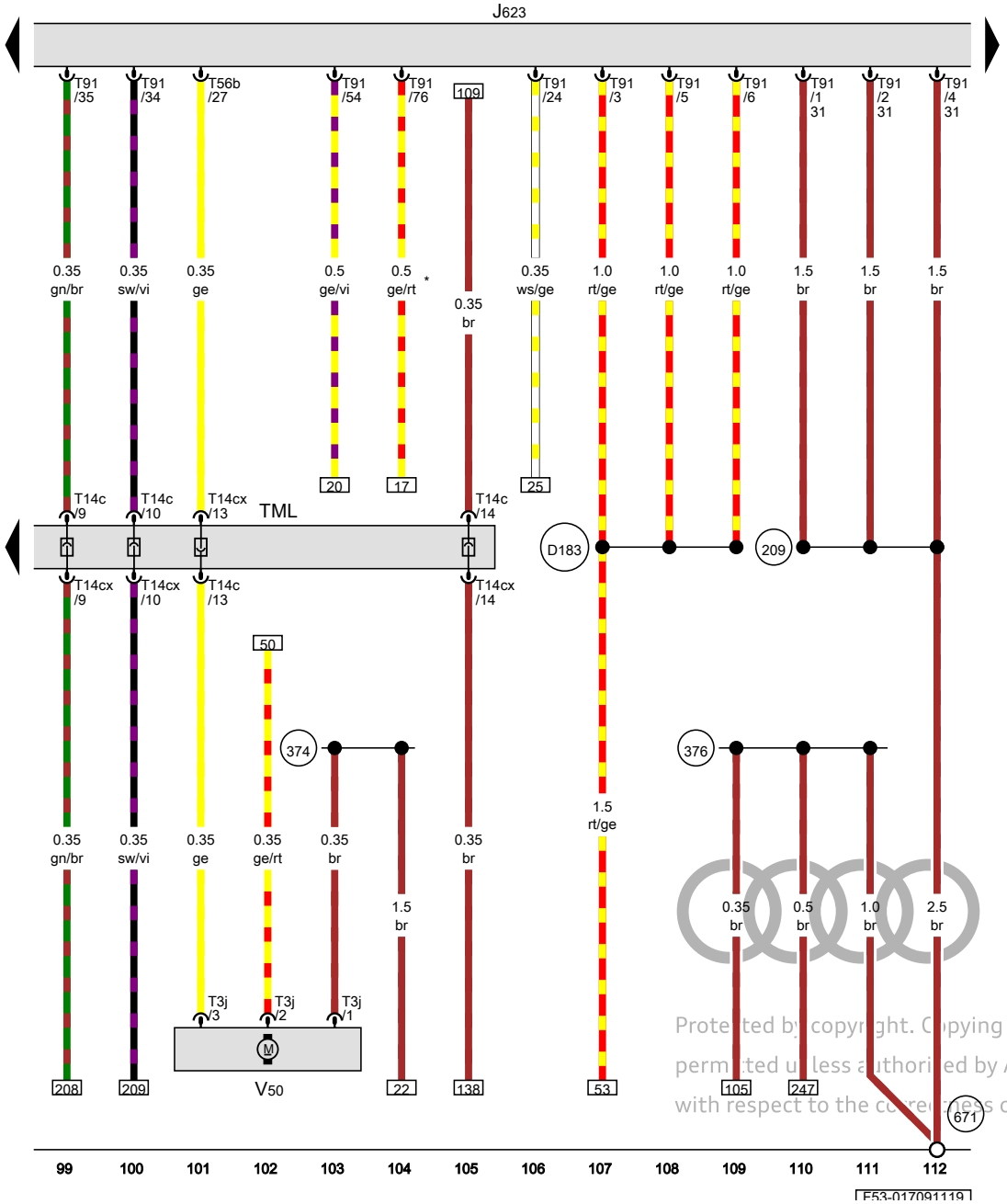

Engine/motor control unit, Coolant circulation pump

J623	Engine/motor control unit, in plenum chamber
T3j	3-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
T56b	56-pin connector, black, white
T91	91-pin connector, black
TML	Coupling point in engine compartment, left
V50	Coolant circulation pump
209	Earth connection 6, in engine compartment wiring harness
374	Earth connection 9, in main wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
*	For models with towing bracket

ws	=	white
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ro	=	red
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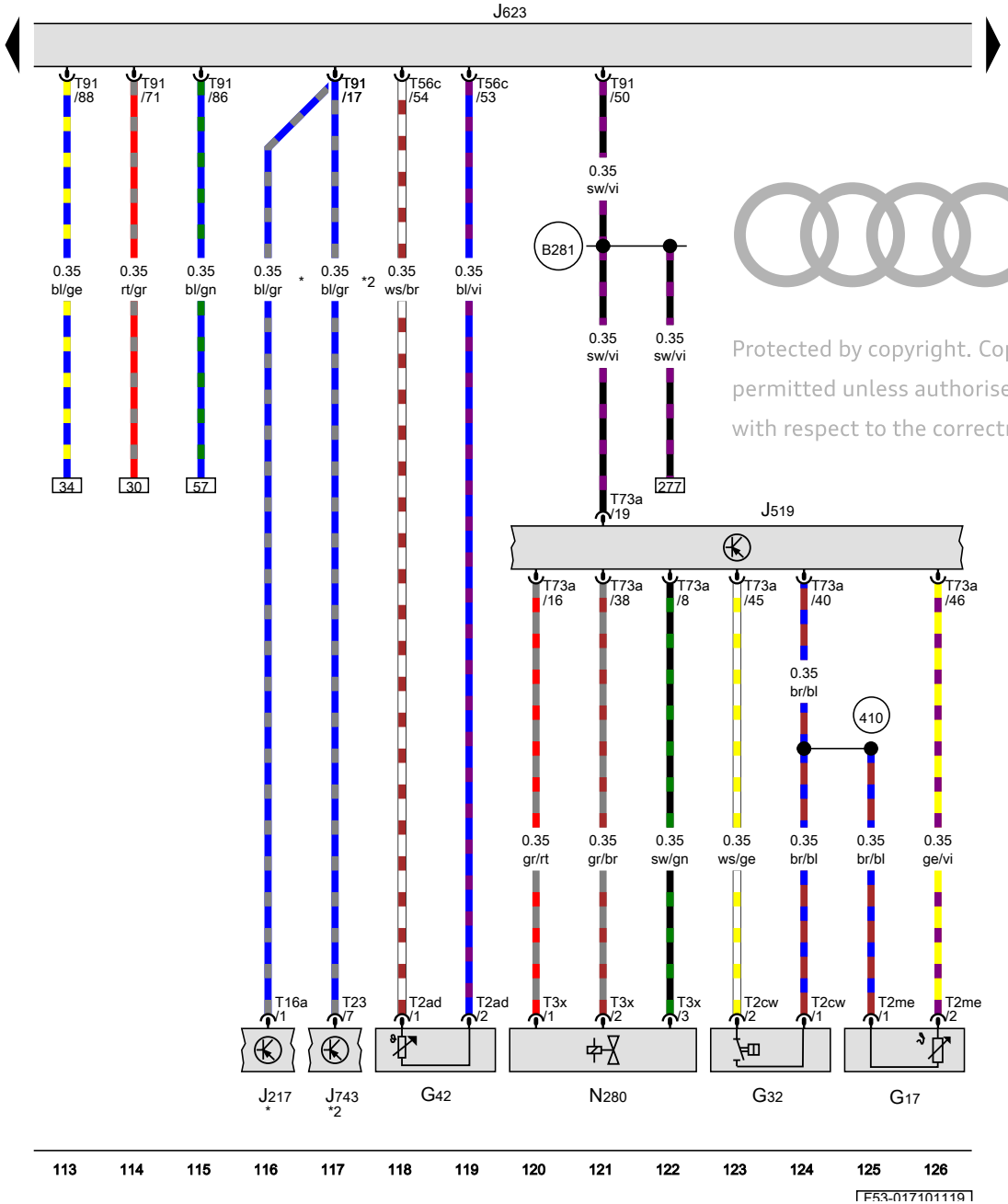

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vi = purple
ge = yellow
or = orange
rs = pink

Coolant shortage indicator sender, Intake air temperature sender, Onboard supply control unit, Engine/motor control unit, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G42	Intake air temperature sender
J217	Automatic gearbox control unit
J519	Onboard supply control unit
J623	Engine/motor control unit, in plenum chamber
J743	Mechatronic unit for dual clutch gearbox
N280	Air conditioner compressor regulating valve
T2ad	2-pin connector, black
T2cw	2-pin connector, black
T2me	2-pin connector, black
T3x	3-pin connector, black
T16a	16-pin connector, black
T23	23-pin connector, black
T56c	56-pin connector, black, blue
T73a	73-pin connector, black
T91	91-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	For models with automatic gearbox
*2	For models with dual clutch gearbox (DSG)

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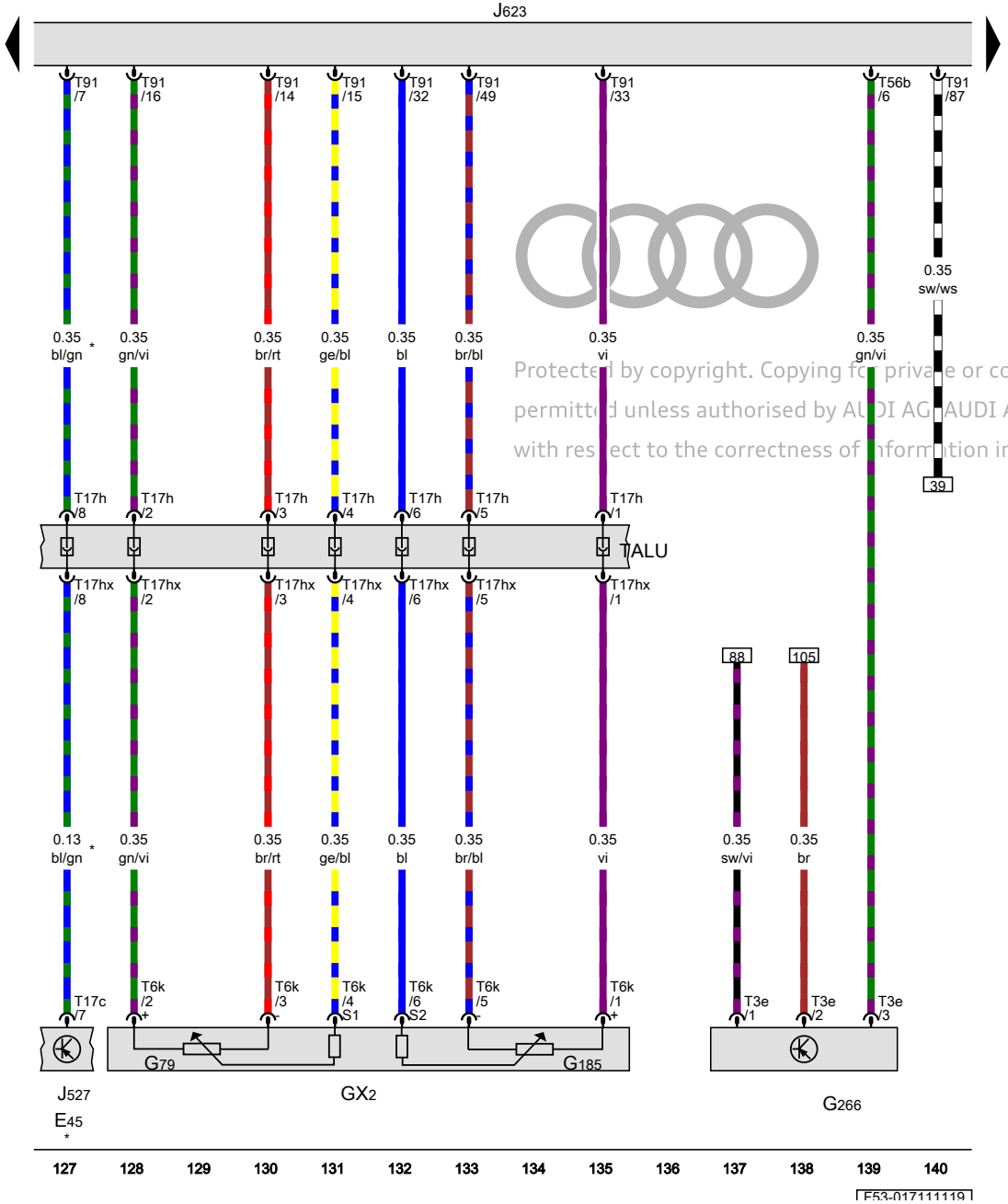
Accelerator pedal module, Oil level and oil temperature sender, Engine/motor control unit

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
G266	Oil level and oil temperature sender
J527	Steering column electronics control unit
J623	Engine/motor control unit, in plenum chamber
T3e	3-pin connector, black
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T56b	56-pin connector, black, white
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with cruise control system (CCS)



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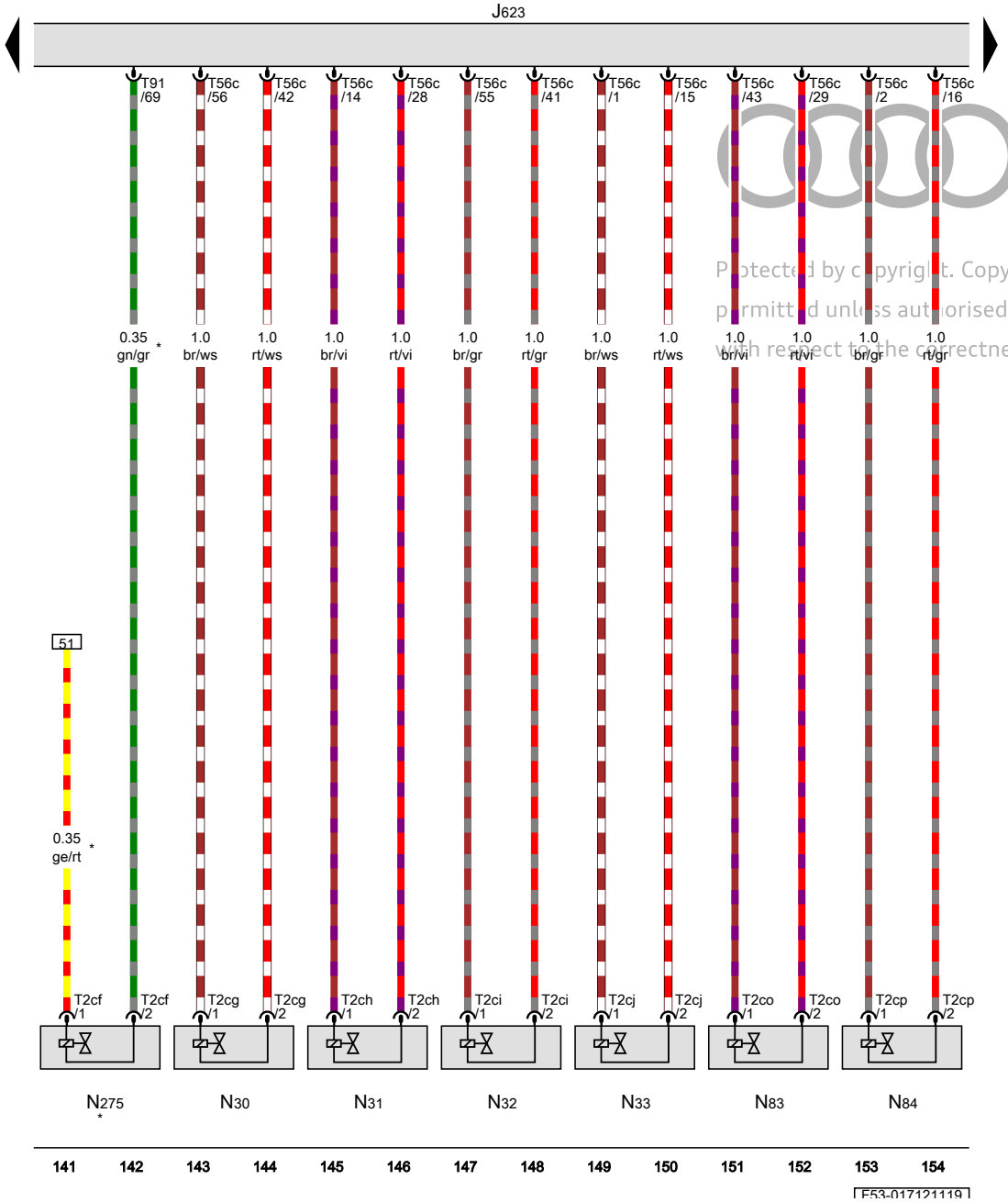

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Injector, cylinder 6, Air filter bypass flap valve

J623	Engine/motor control unit, in plenum chamber
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N275	Air filter bypass flap valve
T2cf	2-pin connector, black
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T2co	2-pin connector, black
T2cp	2-pin connector, black
T56c	56-pin connector, black, blue
T91	91-pin connector, black
*	According to equipment

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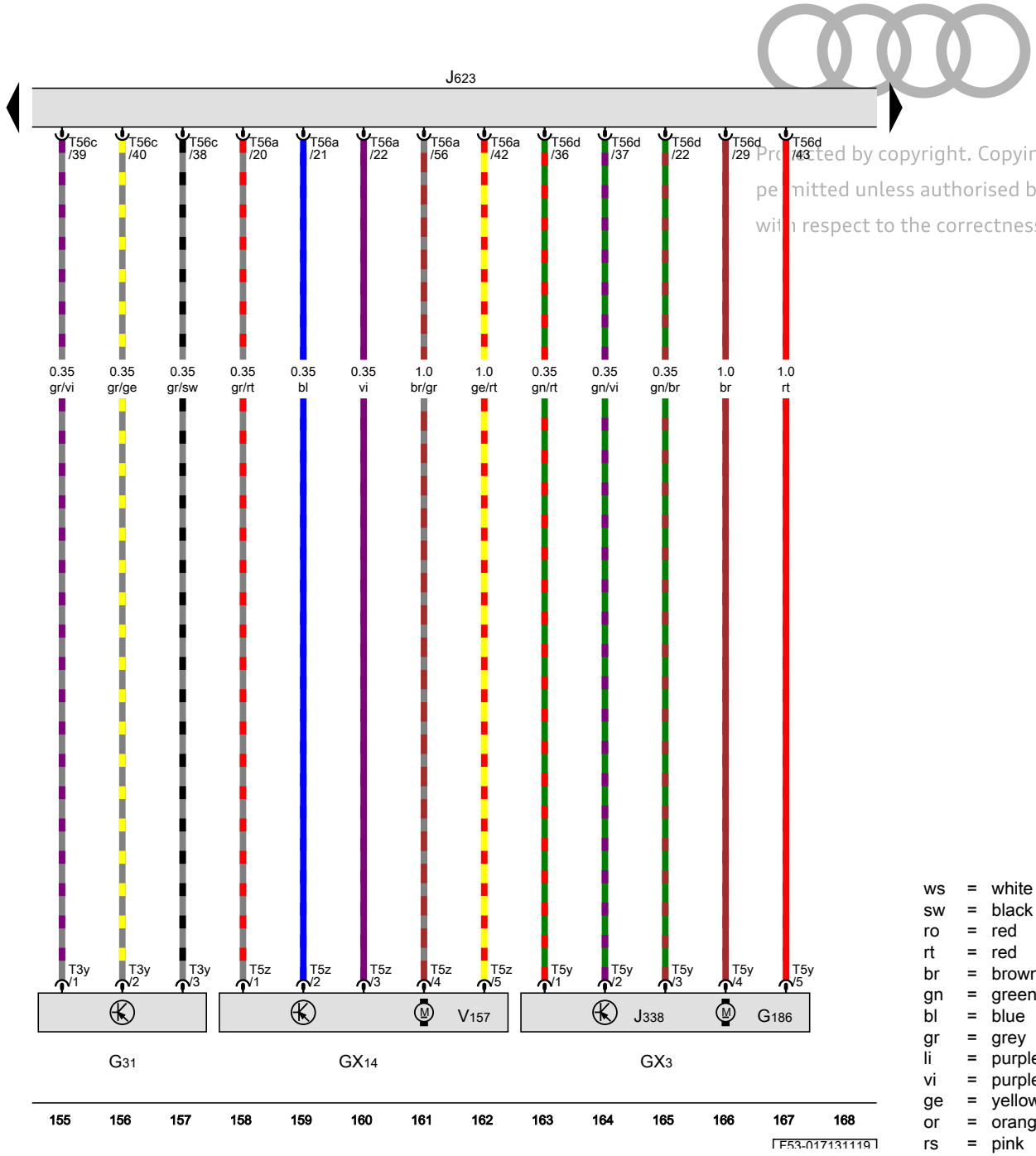

Throttle valve module, Intake manifold flap control unit, Charge pressure sender, Engine/motor control unit

GX3	Throttle valve module
GX14	Intake manifold flap control unit
G31	Charge pressure sender
G186	Throttle valve drive for electric throttle
J338	Throttle valve module
J623	Engine/motor control unit, in plenum chamber
T3y	3-pin connector, black
T5y	5-pin connector, black
T5z	5-pin connector, black
T56a	56-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
V157	Intake manifold flap motor

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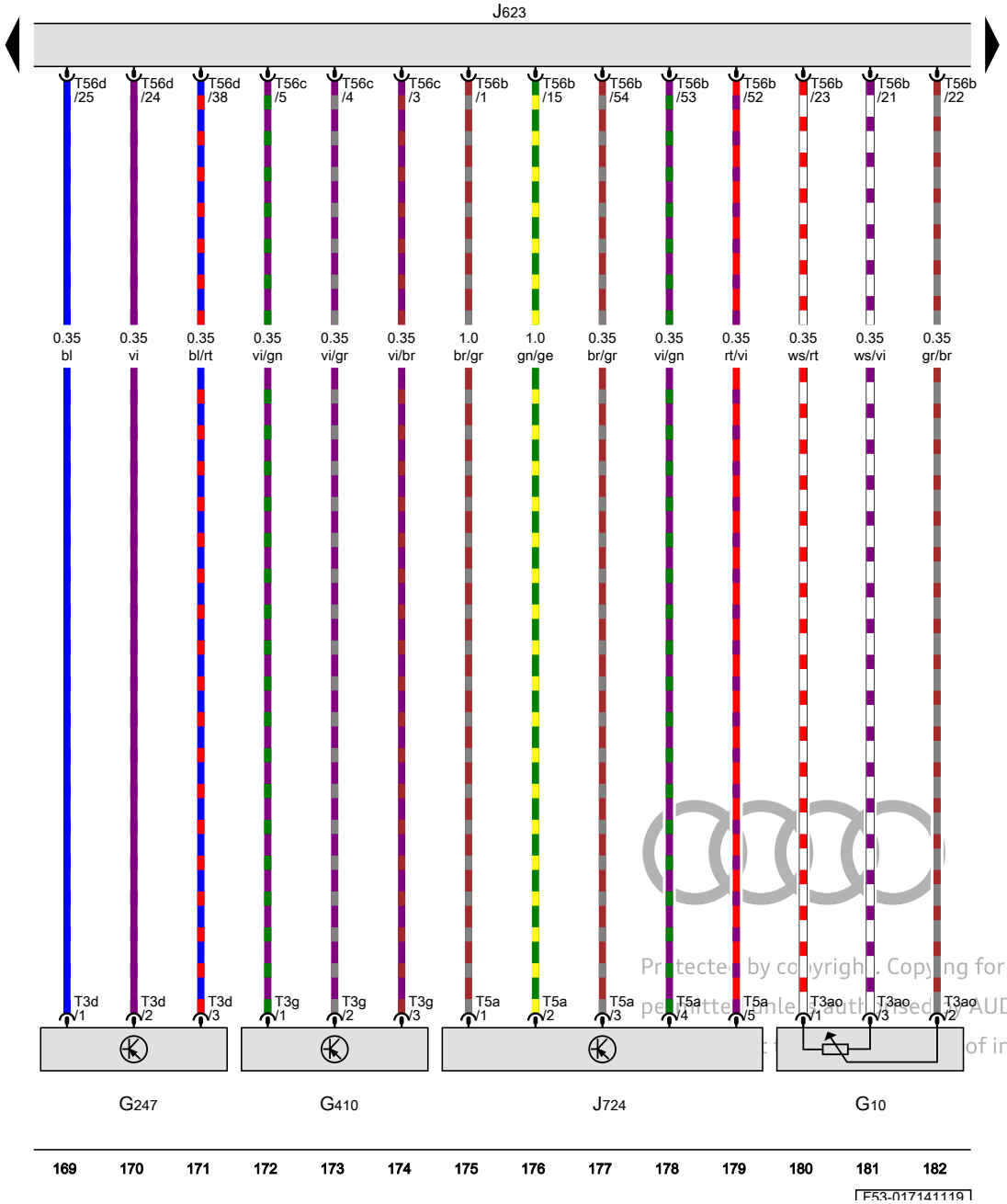

Oil pressure sender, Fuel pressure sender, Fuel pressure sender for low pressure, Engine/motor control unit, Turbocharger 1 control unit

G10	Oil pressure sender
G247	Fuel pressure sender
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, in plenum chamber
J724	Turbocharger 1 control unit
T3ao	3-pin connector, black
T3d	3-pin connector, black
T3g	3-pin connector, black
T5a	5-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple

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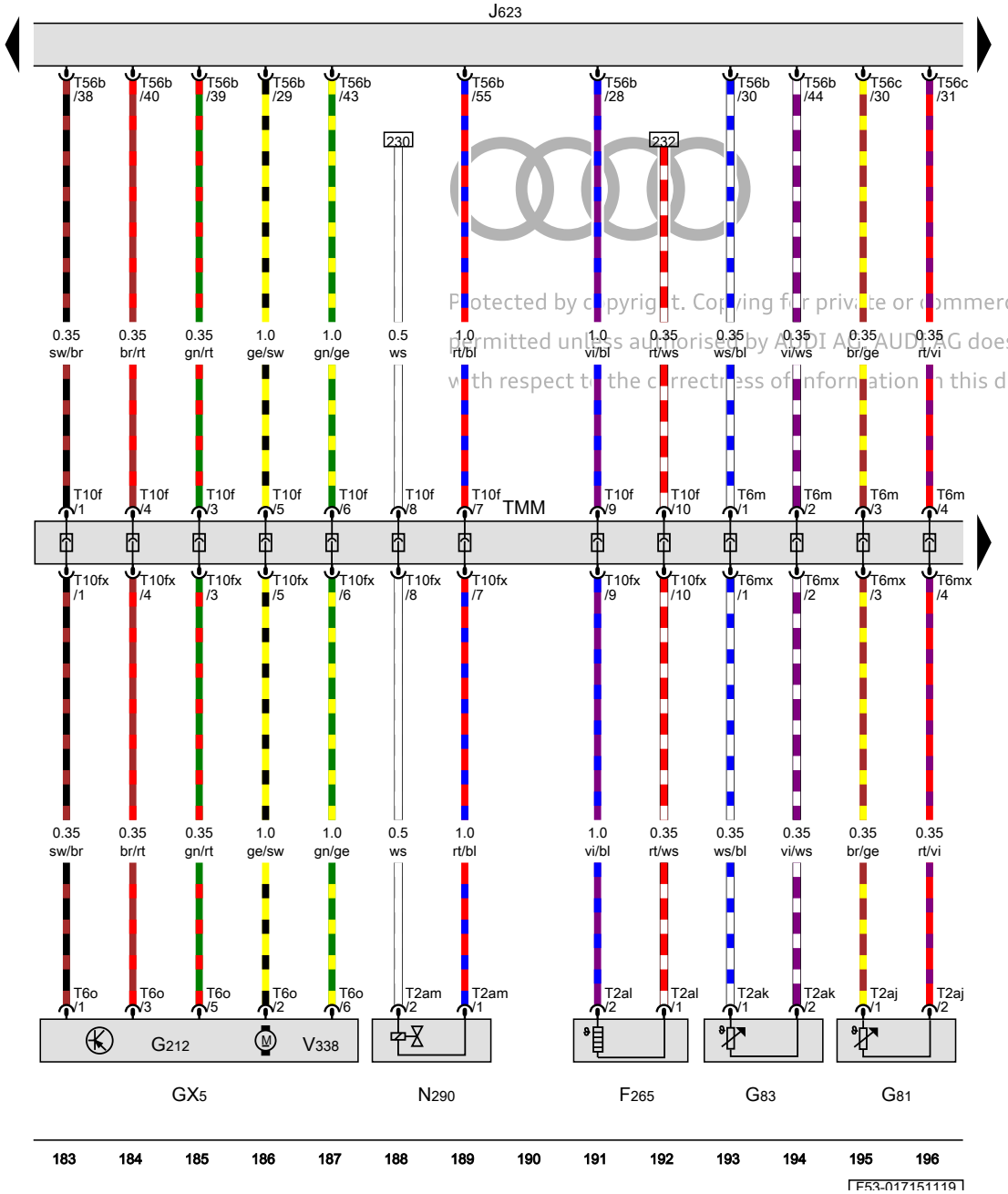
Map-controlled engine cooling system thermostat, Exhaust gas recirculation valve 1, Fuel temperature sender, Radiator outlet coolant temperature sender, Engine/motor control unit, Fuel metering valve



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F265	Map-controlled engine cooling system thermostat
GX5	Exhaust gas recirculation valve 1
G81	Fuel temperature sender
G83	Radiator outlet coolant temperature sender
G212	Exhaust gas recirculation potentiometer
J623	Engine/motor control unit, in plenum chamber
N290	Fuel metering valve
T2aj	2-pin connector, black
T2ak	2-pin connector, black
T2al	2-pin connector, black
T2am	2-pin connector, black
T6m	6-pin connector, black
T6mx	6-pin connector, black
T6o	6-pin connector, grey
T10f	10-pin connector, black
T10fx	10-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
TMM	Coupling point in engine compartment, centre
V338	Exhaust gas recirculation control motor

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or	=	orange
rs	=	pink

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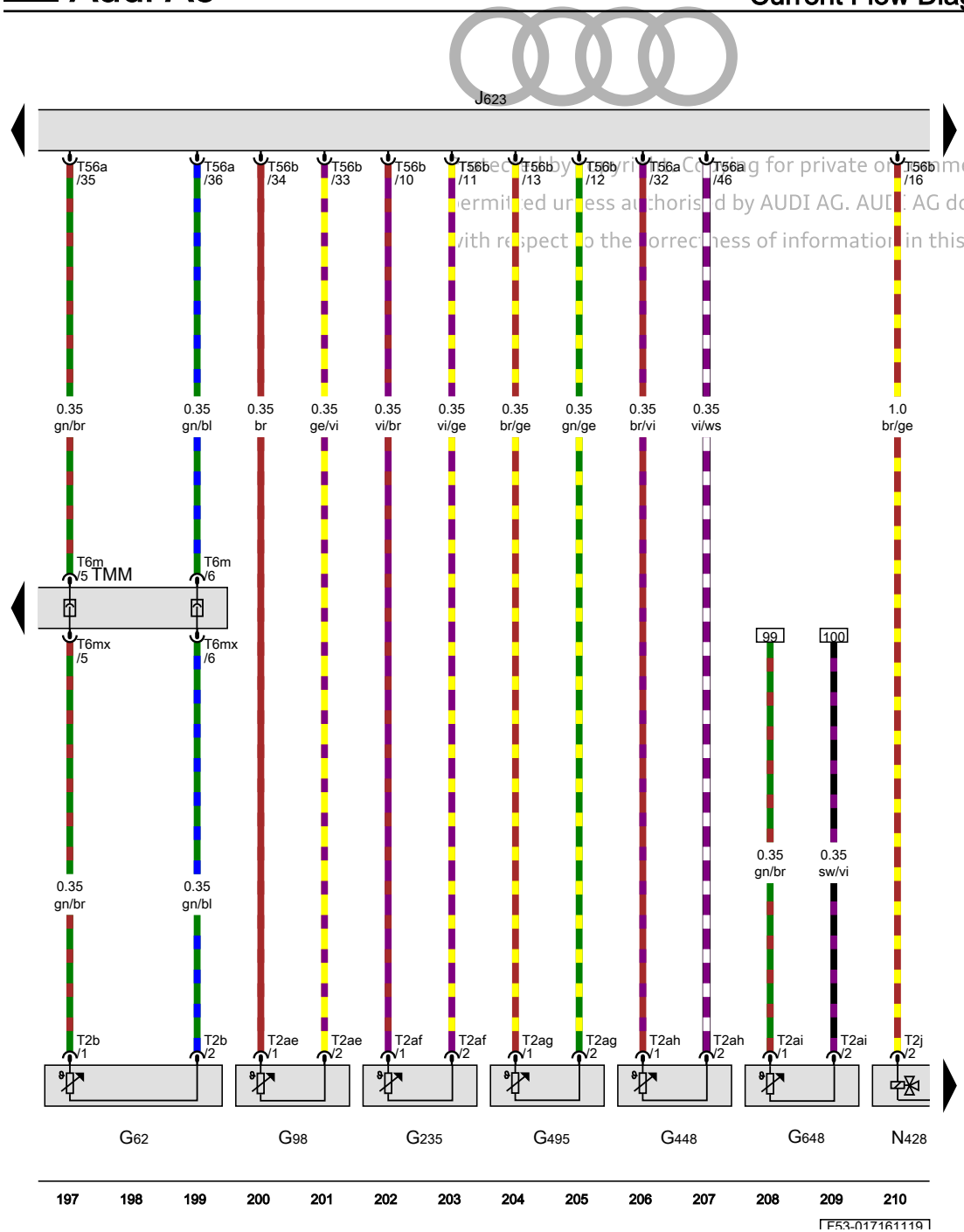
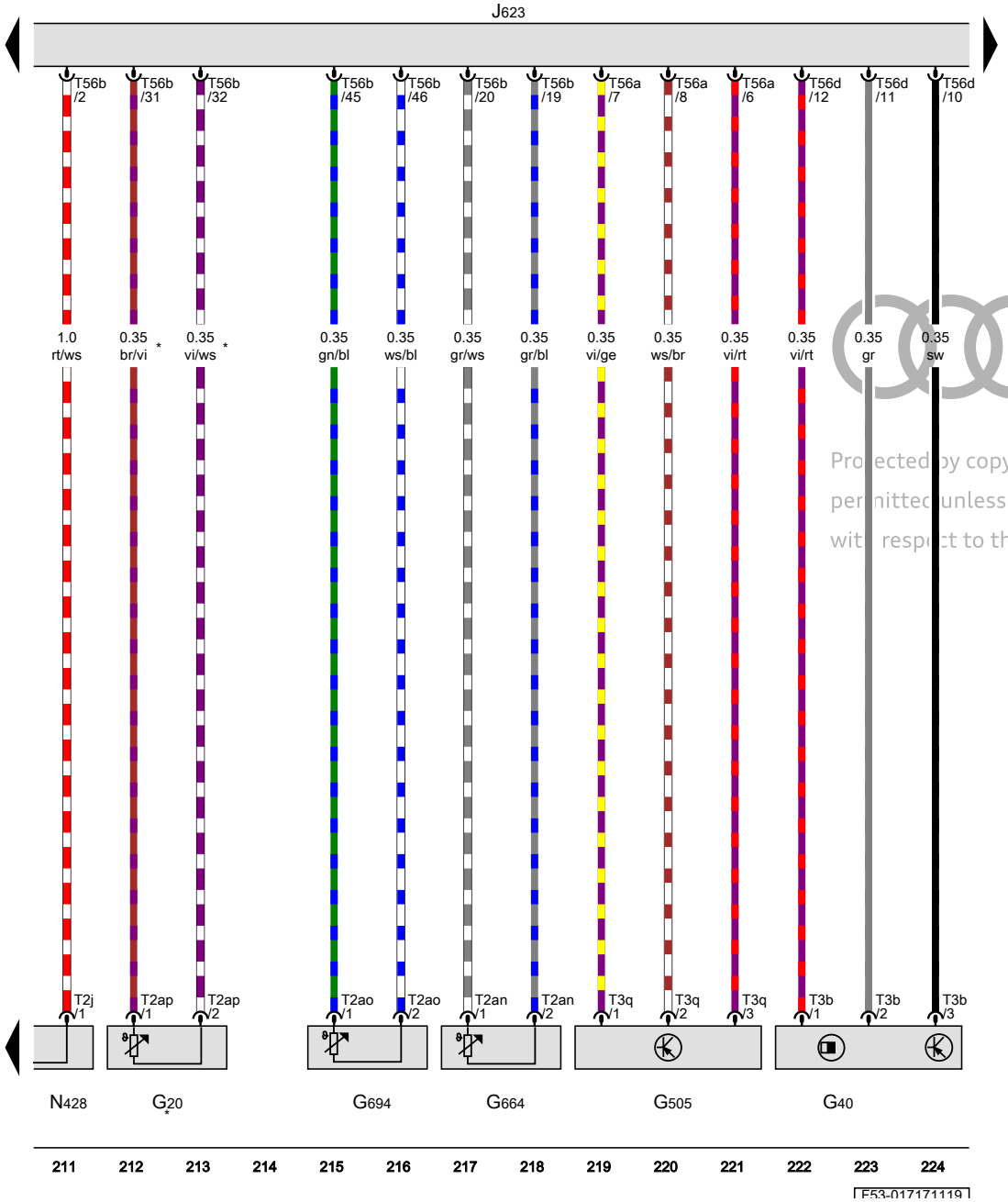


Coolant temperature sender, Exhaust gas recirculation temperature sensor, Exhaust gas temperature sender 1, Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine/motor control unit, Valve for oil pressure control

G62	Coolant temperature sender
G98	Exhaust gas recirculation temperature sensor
G235	Exhaust gas temperature sender 1
G448	Exhaust gas temperature sender 2
G495	Exhaust gas temperature sender 3
G648	Exhaust gas temperature sender 4
J623	Engine/motor control unit, in plenum chamber
N428	Valve for oil pressure control
T2ae	2-pin connector, light brown
T2af	2-pin connector, black
T2ag	2-pin connector, black
T2ah	2-pin connector, black
T2ai	2-pin connector, black
T2b	2-pin connector, black
T2j	2-pin connector, black
T6m	6-pin connector, black
T6mx	6-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
TMM	Coupling point in engine compartment, centre

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Catalytic converter temperature sensor 1, Hall sender, Pressure differential sender, Oil temperature sender 2, Temperature sender for engine temperature regulation, Engine/motor control unit, Valve for oil pressure control

G20	Catalytic converter temperature sensor 1
G40	Hall sender
G505	Pressure differential sender
G664	Oil temperature sender 2
G694	Temperature sender for engine temperature regulation
J623	Engine/motor control unit, in plenum chamber
N428	Valve for oil pressure control
T2an	2-pin connector, black
T2ao	2-pin connector, black
T2ap	2-pin connector, black
T2j	2-pin connector, black
T3b	3-pin connector, black
T3q	3-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple
*	For American markets

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
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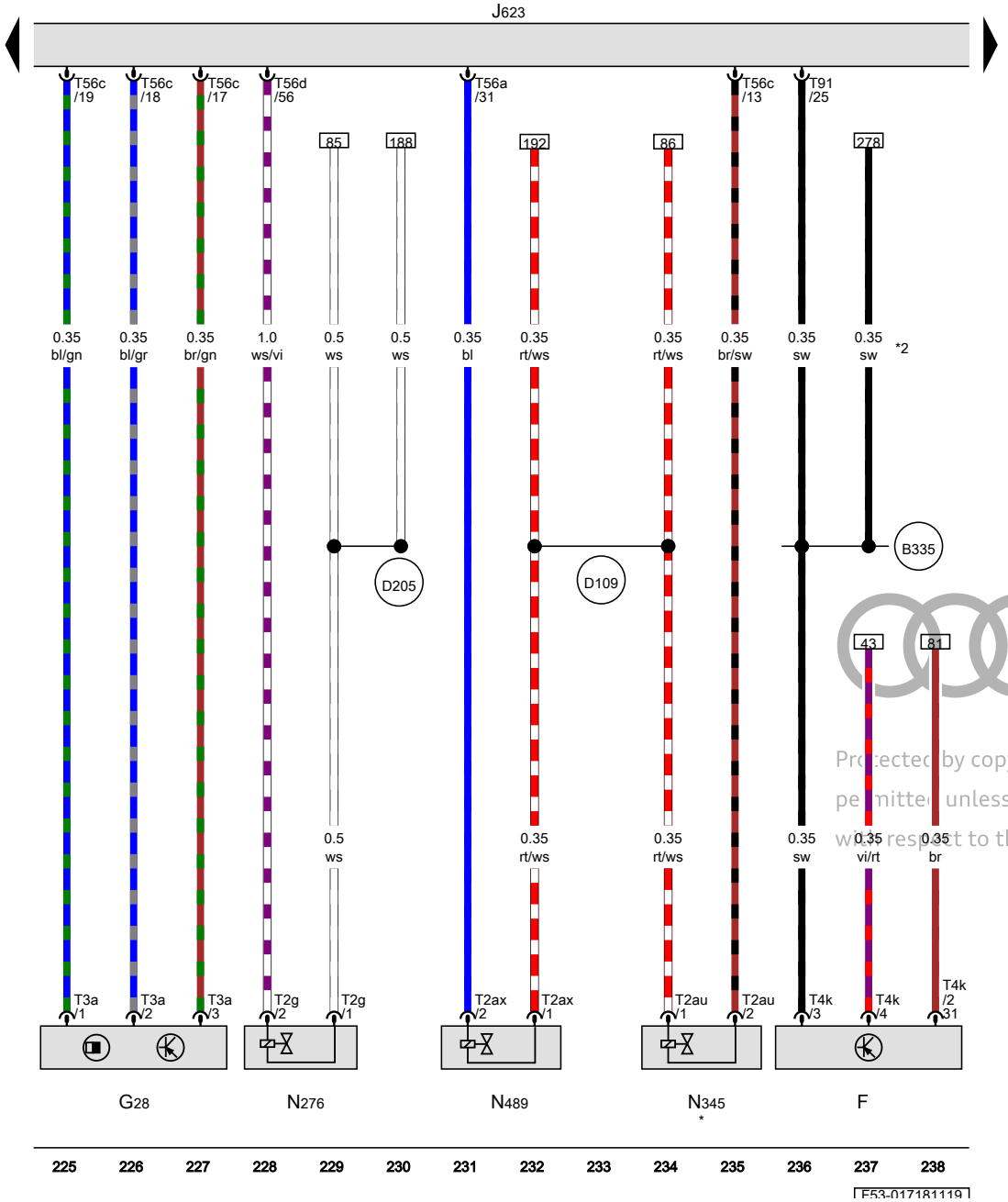
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Brake light switch, Engine speed sender, Engine/motor control unit, Fuel pressure regulating valve, Exhaust gas recirculation cooler changeover valve, Coolant valve for cylinder head

F	Brake light switch
G28	Engine speed sender
J623	Engine/motor control unit, in plenum chamber
N276	Fuel pressure regulating valve
N345	Exhaust gas recirculation cooler changeover valve
N489	Coolant valve for cylinder head
T2au	2-pin connector, black
T2ax	2-pin connector, black
T2g	2-pin connector, black
T3a	3-pin connector, black
T4k	4-pin connector, black
T56a	56-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
T91	91-pin connector, black
B335	Connection 1 (54), in main wiring harness
D109	Connection 7 in engine compartment wiring harness
D205	Connection 3 (87a) in engine prewiring harness
*	For American markets
*2	Cross section depends on equipment

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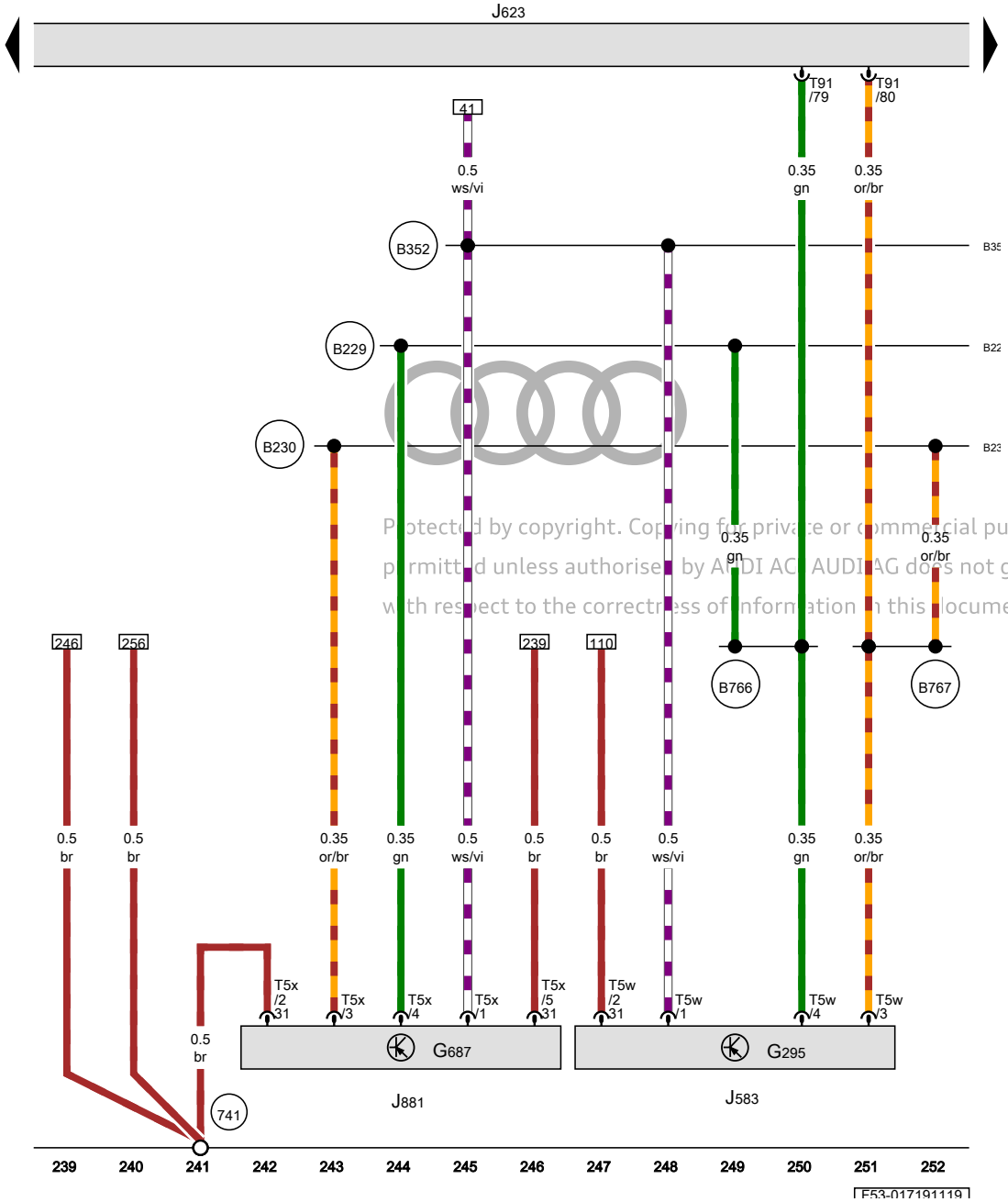

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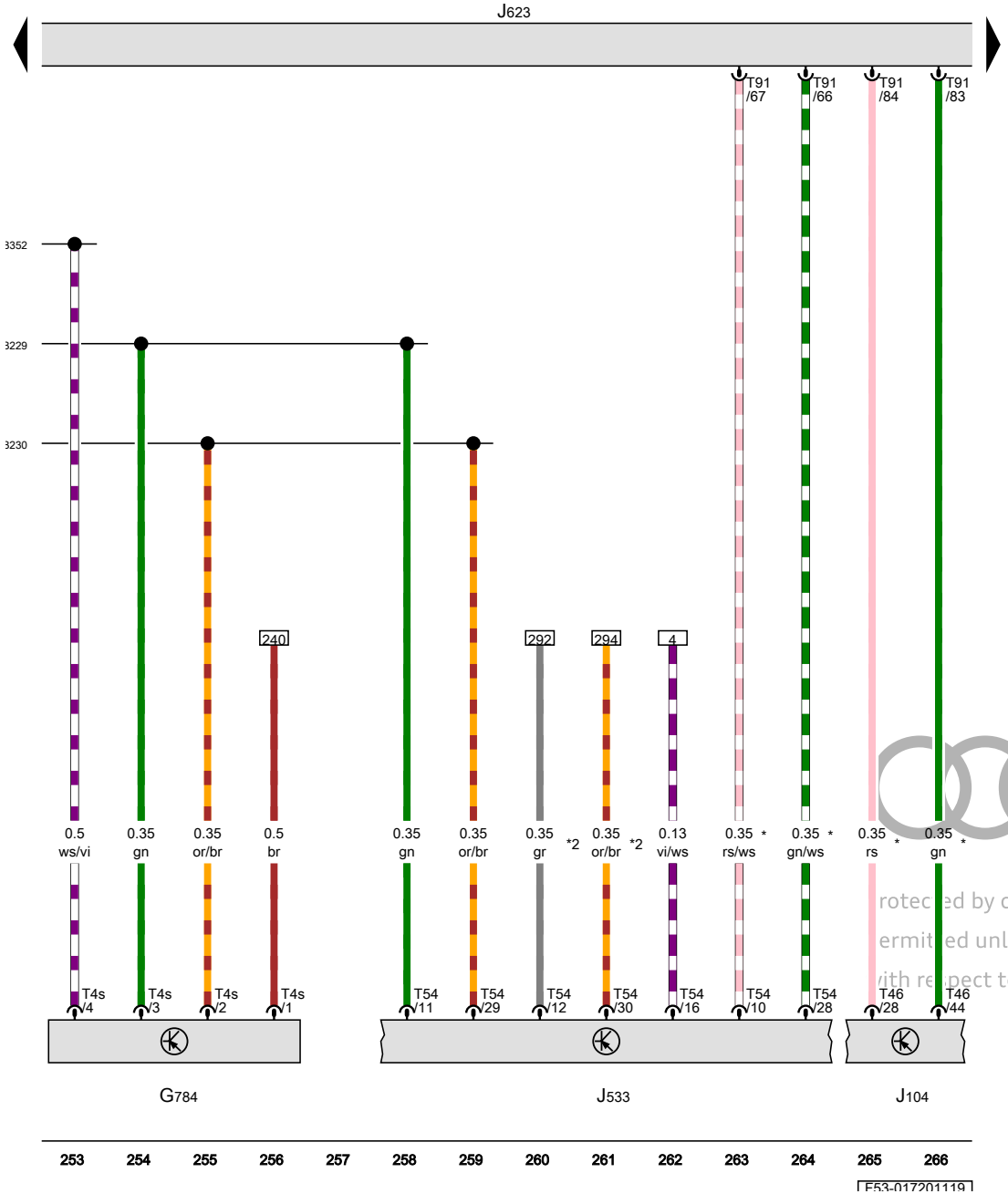
NOx sender, NOx sender 2, Control unit for NOx sender, Engine/motor control unit, Control unit for NOx sender 2

G295	NOx sender
G687	NOx sender 2
J583	Control unit for NOx sender
J623	Engine/motor control unit, in plenum chamber
J881	Control unit for NOx sender 2
T5w	5-pin connector, black
T5x	5-pin connector, black
T91	91-pin connector, black
741	Earth point under seat on front left
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
B352	Positive connection 3 (87a) in main wiring harness
B766	Connection 2 (high bus), in interior wiring harness
B767	Connection 2 (low bus), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Particulate sensor, Data bus diagnostic interface, Engine/ motor control unit

G784	Particulate sensor
J104	ABS control unit
J533	Data bus diagnostic interface
J623	Engine/motor control unit, in plenum chamber
T4s	4-pin connector, black
T46	46-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
B352	Positive connection 3 (87a) in main wiring harness
*	Data bus wire (FlexRay bus)
*2	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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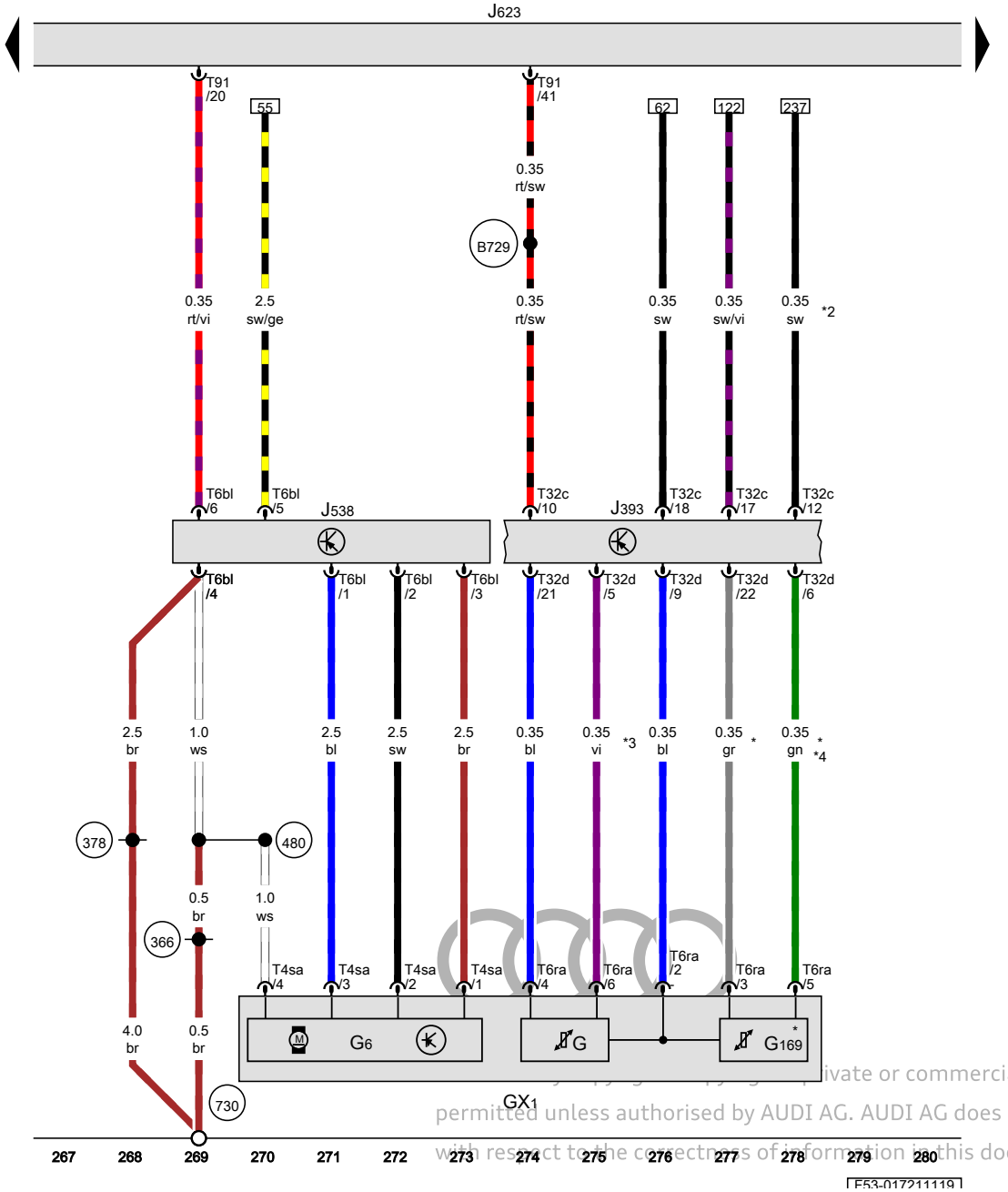

Fuel delivery unit, Fuel system pressurisation pump, Fuel gauge sender 2, Convenience system central control unit, Fuel pump control unit, Engine/motor control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
J623	Engine/motor control unit, in plenum chamber
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
T91	91-pin connector, black
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Cross section depends on equipment
*3	According to equipment
*4	Up to July 2018

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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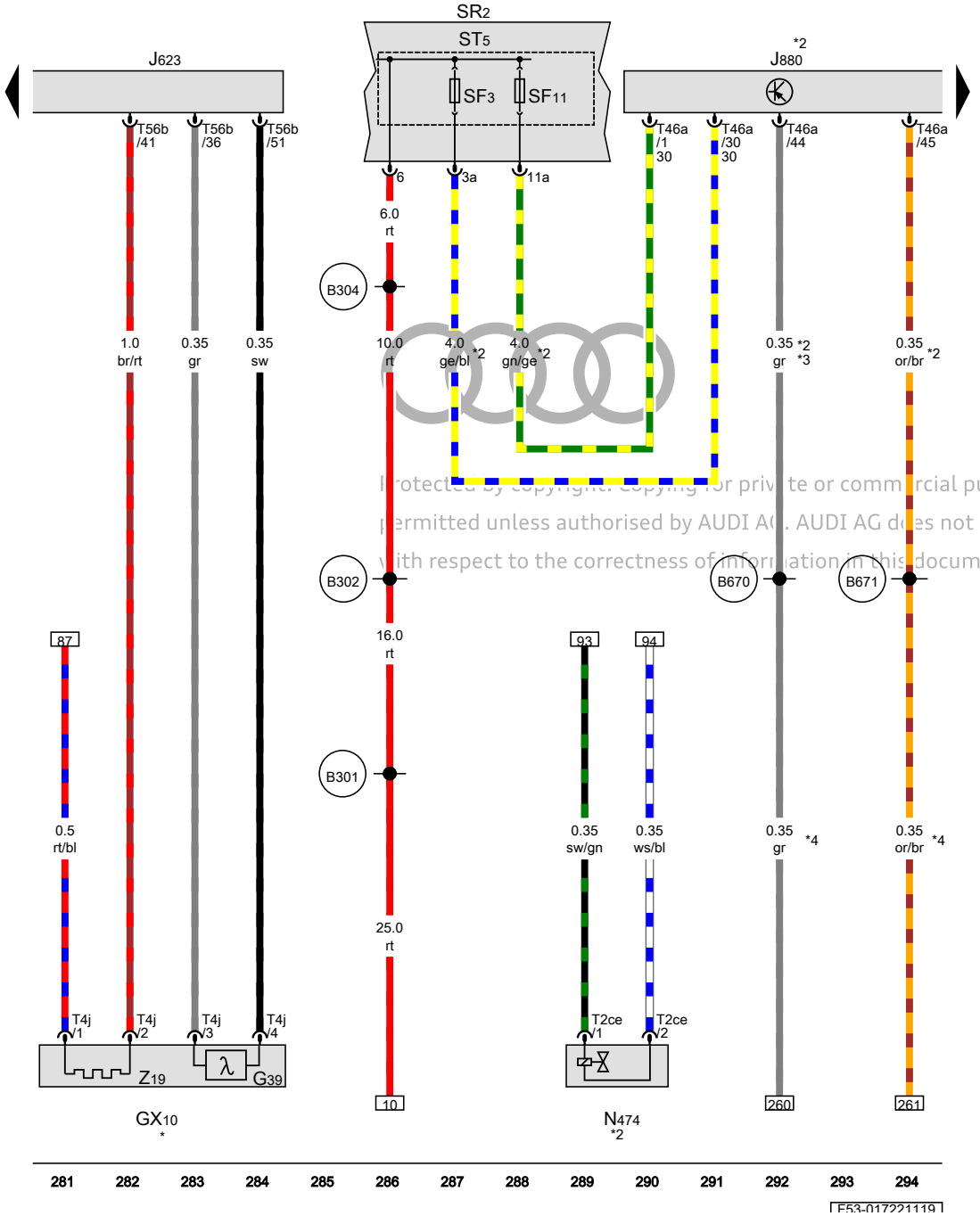

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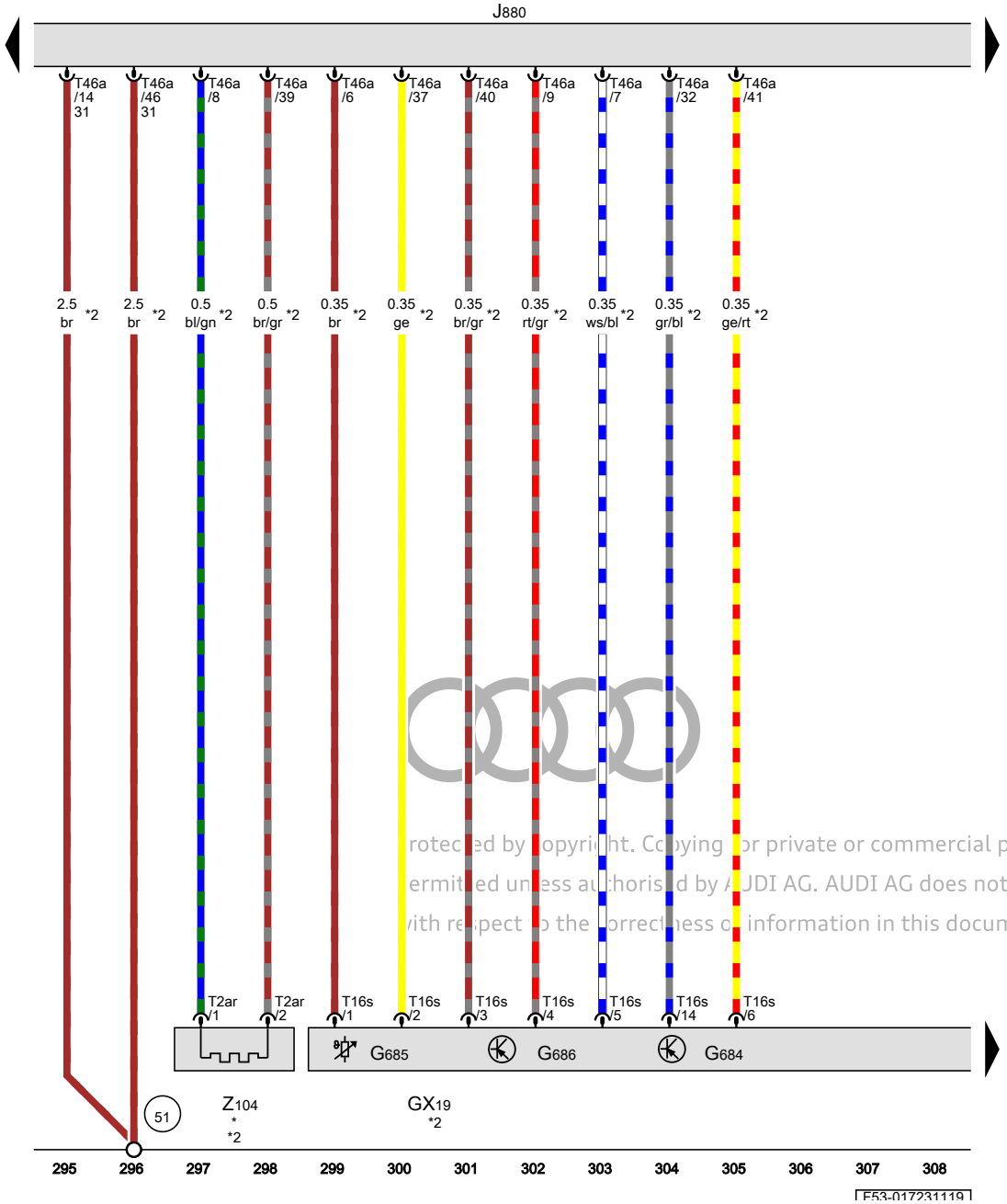
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Lambda probe 1 before catalytic converter, Lambda probe, Engine/motor control unit, Control unit for reducing agent metering system, Injector for reducing agent

GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
J623	Engine/motor control unit, in plenum chamber
J880	Control unit for reducing agent metering system
N474	Injector for reducing agent
SR2	Relay and fuse carrier 2
SF3	Fuse 3 in fuse holder F
ST5	Fuse carrier 5, red
SF11	Fuse 11 in fuse holder F
T2ce	2-pin connector, black
T4j	4-pin connector, black
T46a	46-pin connector, black
T56b	56-pin connector, black, white
Z19	Lambda probe heater
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	Pre-wired component
*2	For models with reducing agent metering system
*3	Wiring colour depends on equipment
*4	Cross section depends on equipment



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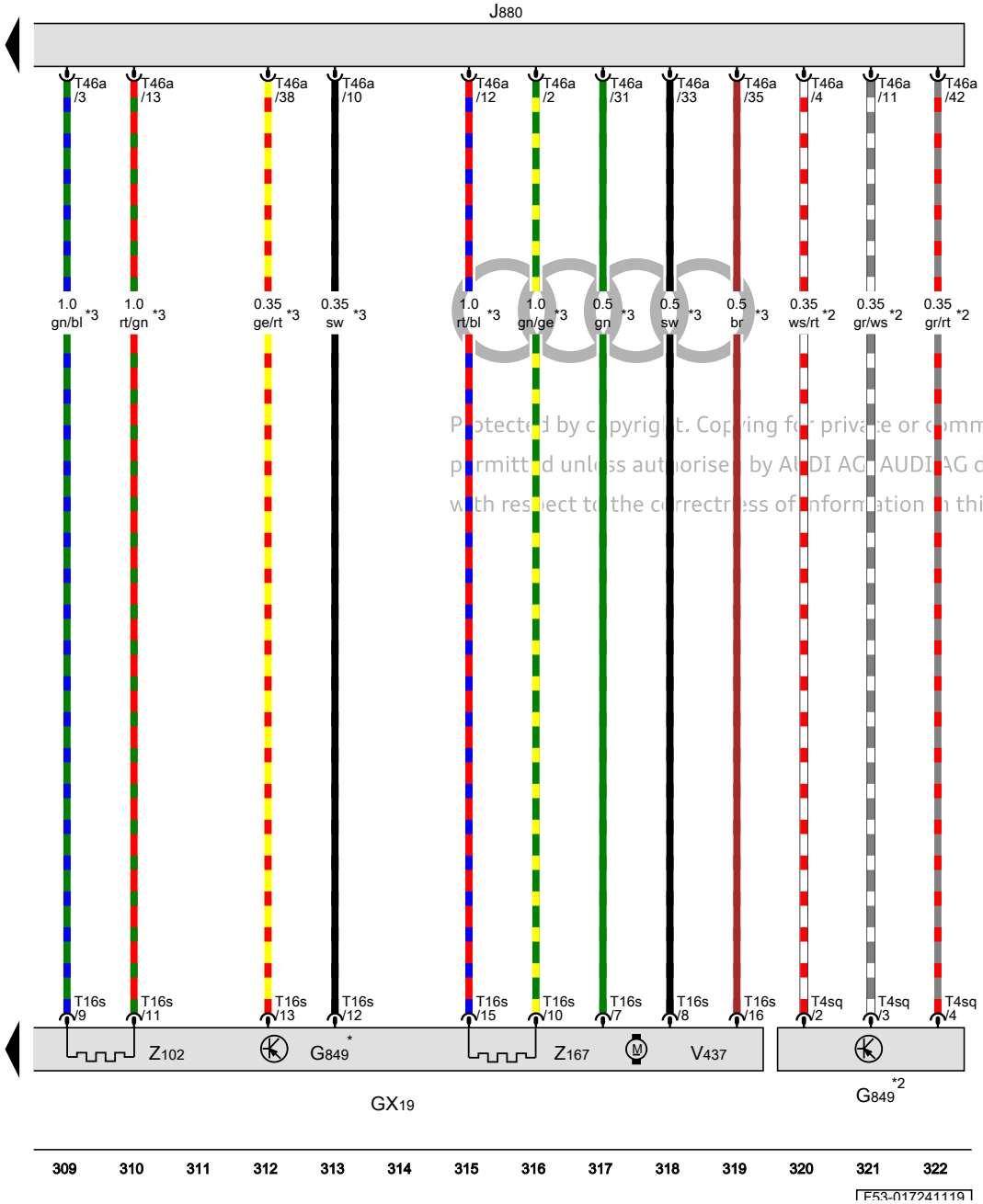
Delivery unit for reducing agent metering system, Tank sender for reducing agent, Temperature sender for reducing agent, Pressure sender for reducing agent metering system, Control unit for reducing agent metering system, Heater for reducing agent line (heater circuit 2)

GX19	Delivery unit for reducing agent metering system
G684	Tank sender for reducing agent
G685	Temperature sender for reducing agent
G686	Pressure sender for reducing agent metering system
J880	Control unit for reducing agent metering system
T2ar	2-pin connector, black
T16s	16-pin connector, black
T46a	46-pin connector, black
Z104	Heater for reducing agent line (heater circuit 2)
51	Earth point, on right in luggage compartment
*	Pre-wired component
*2	For models with reducing agent metering system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Delivery unit for reducing agent metering system, Reducing agent quality sensor, Control unit for reducing agent metering system, Pump for reducing agent, Heater for reducing agent tank (heater circuit 1), Heater 2 for reducing agent tank (heater circuit 3)

GX19	Delivery unit for reducing agent metering system
G849	Reducing agent quality sensor
J880	Control unit for reducing agent metering system
T4sq	4-pin connector, black
T16s	16-pin connector, black
T46a	46-pin connector, black
V437	Pump for reducing agent
Z102	Heater for reducing agent tank (heater circuit 1)
Z167	Heater 2 for reducing agent tank (heater circuit 3)
*	Gradually discontinued
*2	gradual introduction
*3	For models with reducing agent metering system

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bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

7-speed dual clutch gearbox 0CK , (G1C),(G1D)

From July 2016

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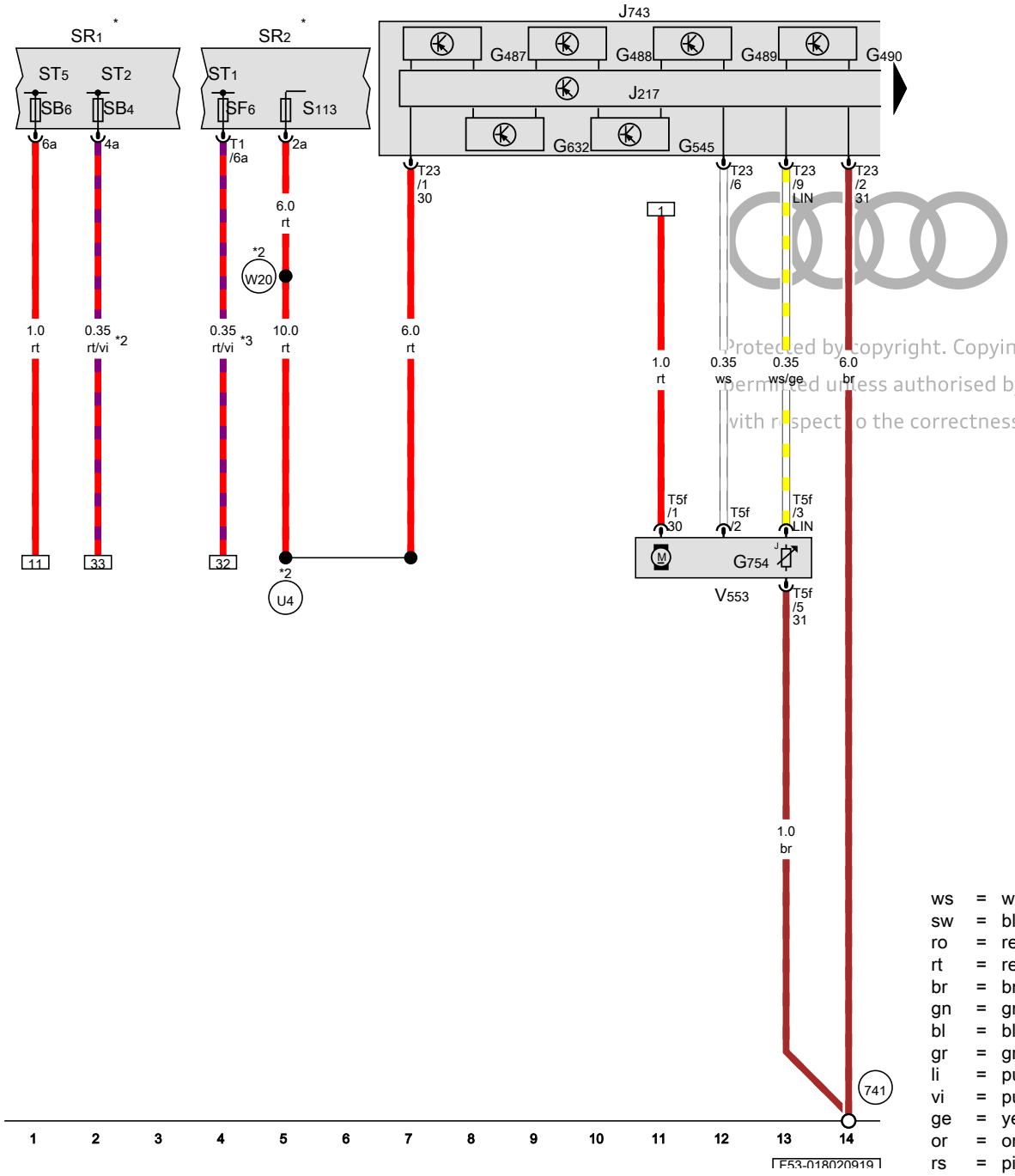

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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Gear selector movement sensor 2, Gear selector movement sensor 4, Automatic gearbox control unit, Mechatronic unit for dual clutch gearbox, Electric pump 2 for gearbox

G487	Gear selector movement sensor 1
G488	Gear selector movement sensor 2
G489	Gear selector movement sensor 3
G490	Gear selector movement sensor 4
G545	Hydraulic pressure sender 1
G632	Gearbox input speed sender 1
G754	Gearbox oil temperature sender 2
J217	Automatic gearbox control unit
J743	Mechatronic unit for dual clutch gearbox
SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
ST2	Fuse carrier 2, red
SB4	Fuse 4 on fuse holder B
ST5	Fuse carrier 5, red
SF6	Fuse 6 in fuse holder F
SB6	Fuse 6 on fuse holder B
S113	Automatic gearbox control unit fuse
T1	1-pin connector
T5f	5-pin connector, black
T23	23-pin connector, black
V553	Electric pump 2 for gearbox
741	Earth point under seat on front left
U4	Connection (30), in automatic gearbox wiring harness
W20	Positive connection (30a) in rear wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	For models with natural gas engine

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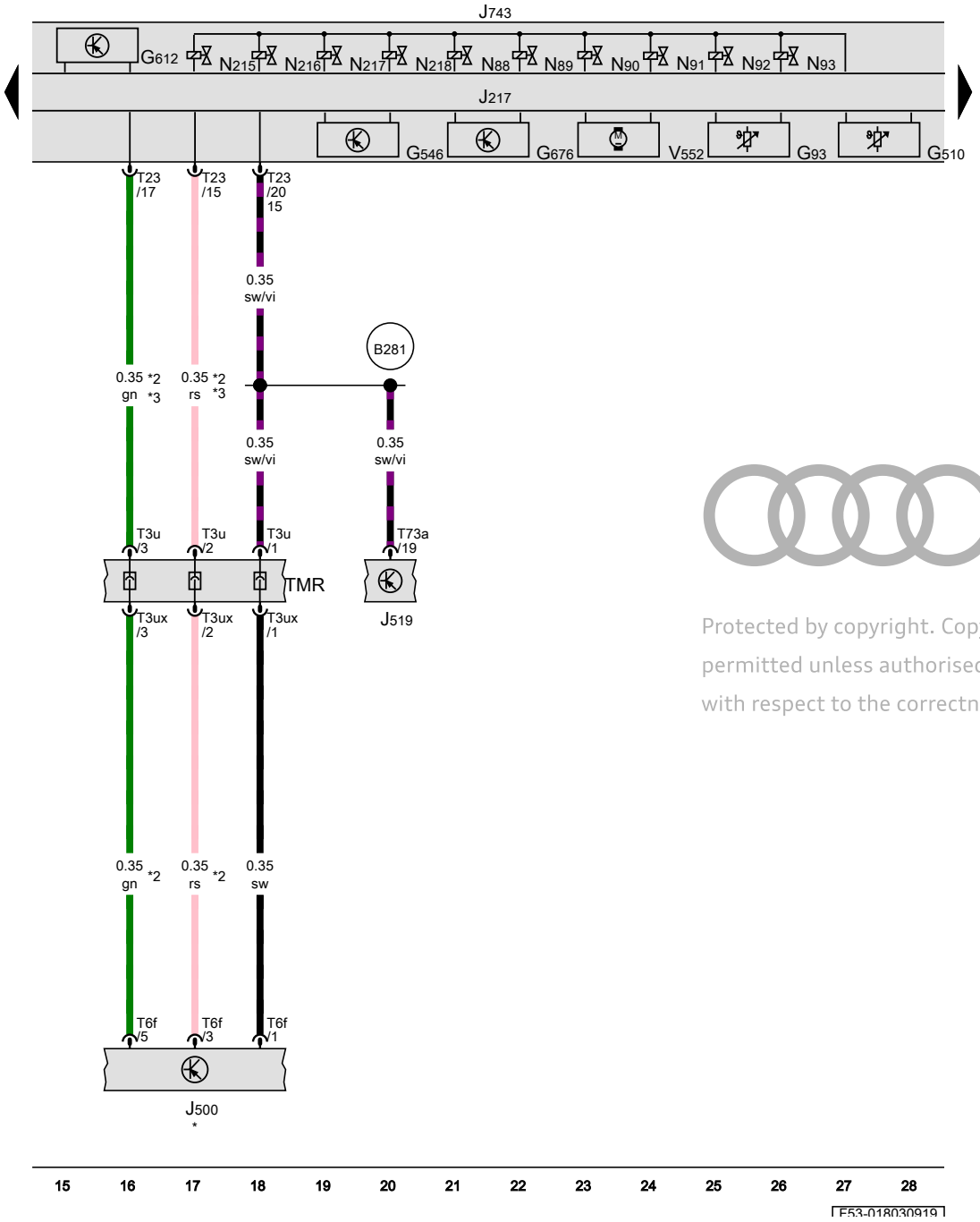

Gearbox input speed sender 2, Automatic gearbox control unit, Mechatronic unit for dual clutch gearbox, Solenoid valve 4, Solenoid valve 5, Solenoid valve 6, Automatic gearbox pressure regulating valve 1

G93	Gearbox oil temperature sender
G510	Temperature sender in control unit
G546	Hydraulic pressure sender 2
G612	Gearbox input speed sender 2
G676	Gear sensor
J217	Automatic gearbox control unit
J500	Power steering control unit
J519	Onboard supply control unit
J743	Mechatronic unit for dual clutch gearbox
N88	Solenoid valve 1
N89	Solenoid valve 2
N90	Solenoid valve 3
N91	Solenoid valve 4
N92	Solenoid valve 5
N93	Solenoid valve 6
N215	Automatic gearbox pressure regulating valve 1
N216	Automatic gearbox pressure regulating valve 2
N217	Automatic gearbox pressure regulating valve 3
N218	Automatic gearbox pressure regulating valve 4
T3u	3-pin connector, black
T3ux	3-pin connector, black
T6f	6-pin connector, black
T23	23-pin connector, black
T73a	73-pin connector, black
TMR	Coupling point in engine compartment, right
V552	Gearbox auxiliary hydraulic pump
B281	Positive connection 5 (15a) in main wiring harness
*	For models with electromechanical power steering
*2	Data bus wire (FlexRay bus)
*3	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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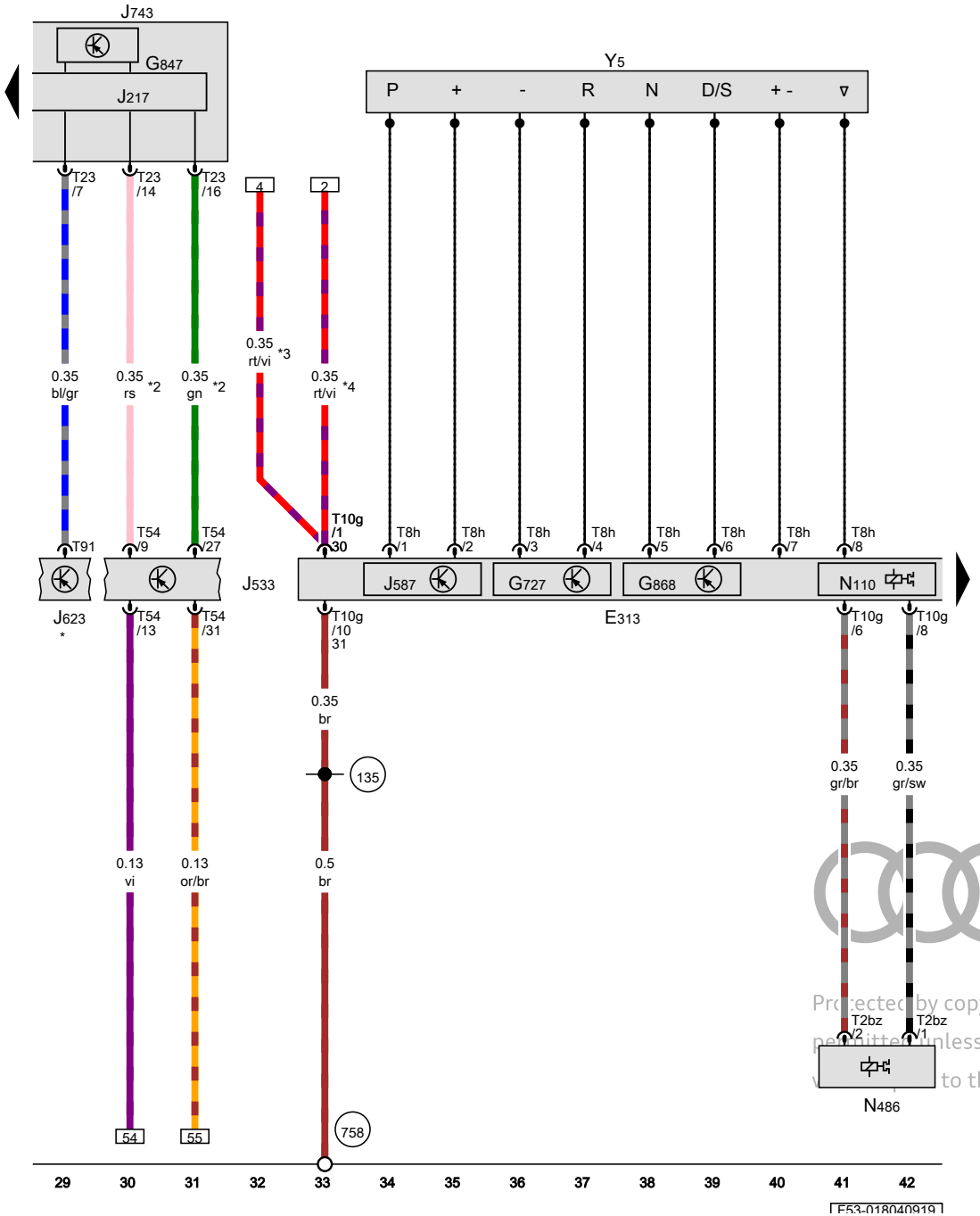

Selector lever, Selector lever position sender, Automatic gearbox control unit, Selector lever sensors control unit, Mechatronic unit for dual clutch gearbox, Selector lever lock solenoid, Parking lock solenoid, Selector lever position display

E313	Selector lever
G727	Selector lever position sender
G847	Rotor position sender for gearbox auxiliary hydraulic pump
G868	Sender for lateral selector lever lock
J217	Automatic gearbox control unit
J533	Data bus diagnostic interface
J587	Selector lever sensors control unit
J623	Engine/motor control unit
J743	Mechatronic unit for dual clutch gearbox
N110	Selector lever lock solenoid
N486	Parking lock solenoid
T2bz	2-pin connector, black
T8h	8-pin connector, black
T10g	10-pin connector, black
T23	23-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
Y5	Selector lever position display
135	Earth connection 2, in dash panel wiring harness
758	Earth point 3, on centre tunnel
*	see applicable current flow diagram for engine
*2	Data bus wire (FlexRay bus)
*3	For models with natural gas engine
*4	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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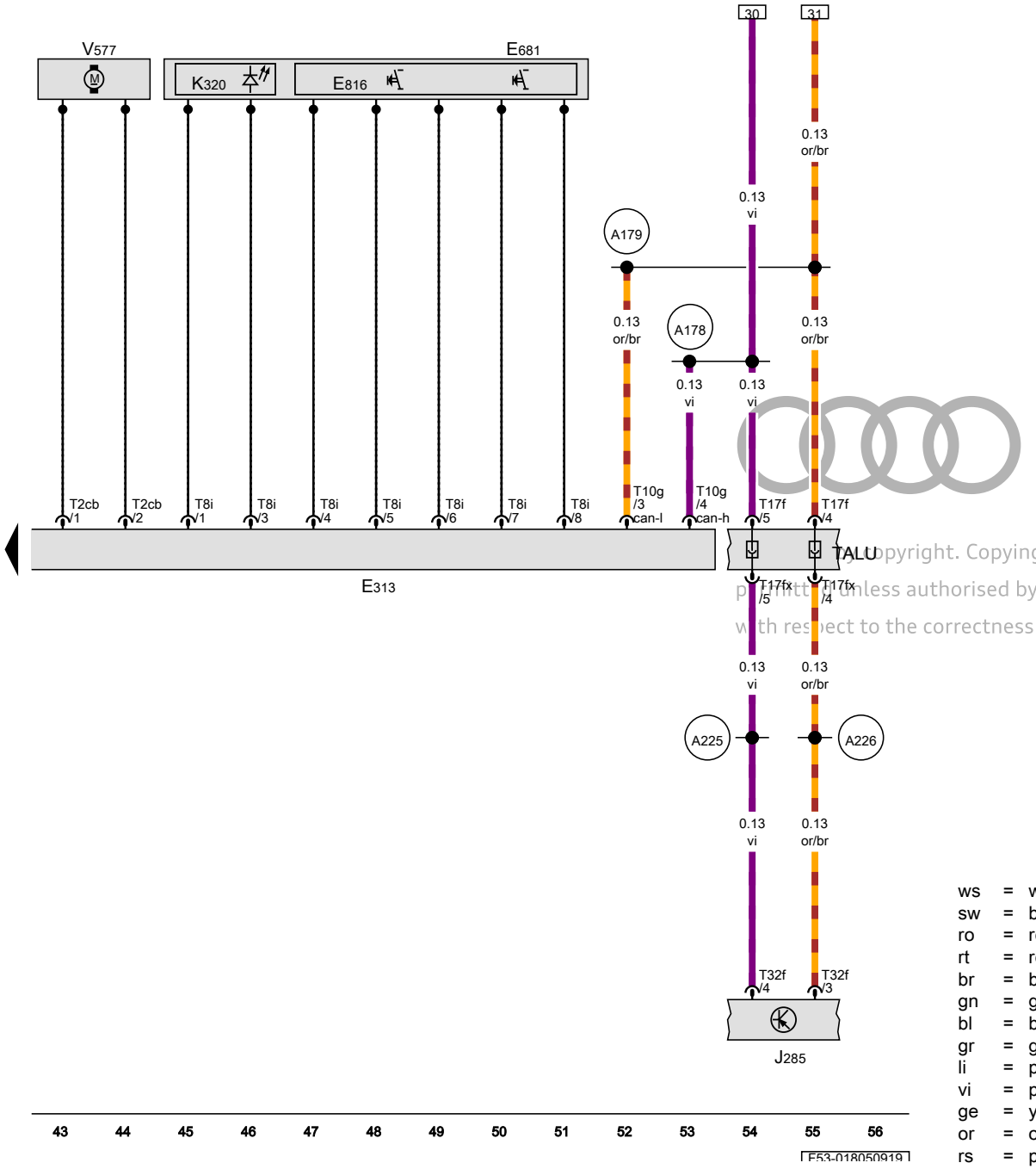

Selector lever, Button for selector lever release, Parking lock button, Parking lock indicator lamp, Motor for lateral selector lever lock

E313	Selector lever
E681	Button for selector lever release
E816	Parking lock button
J285	Control unit in dash panel insert
K320	Parking lock indicator lamp
T2cb	2-pin connector, black
T8i	8-pin connector, black
T10g	10-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
TALU	Coupling point on left A-pillar, bottom
V577	Motor for lateral selector lever lock
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness

ws	=	white
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ro	=	red
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8-speed automatic gearbox 0D5/0D6 , (G1G)

From July 2016

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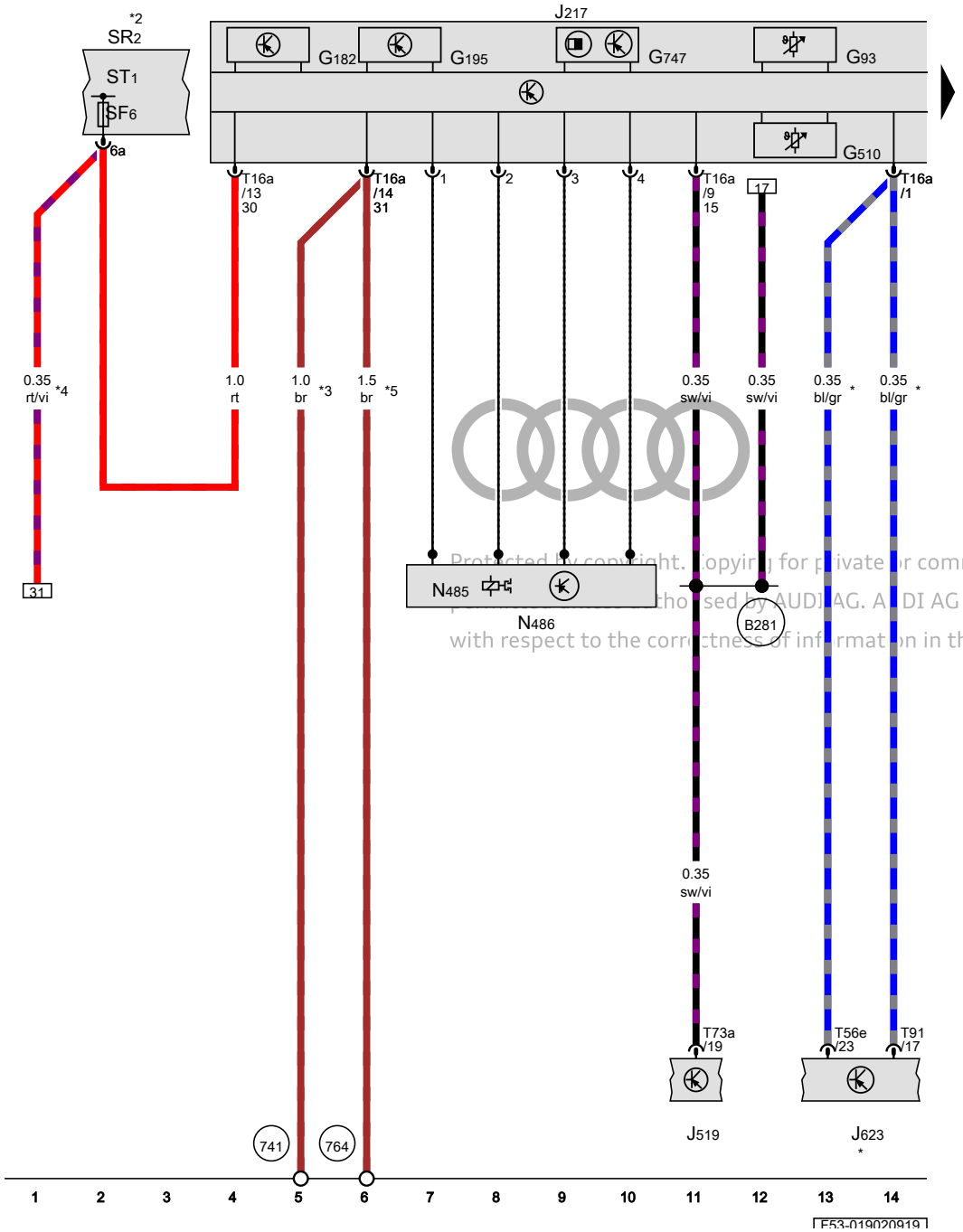

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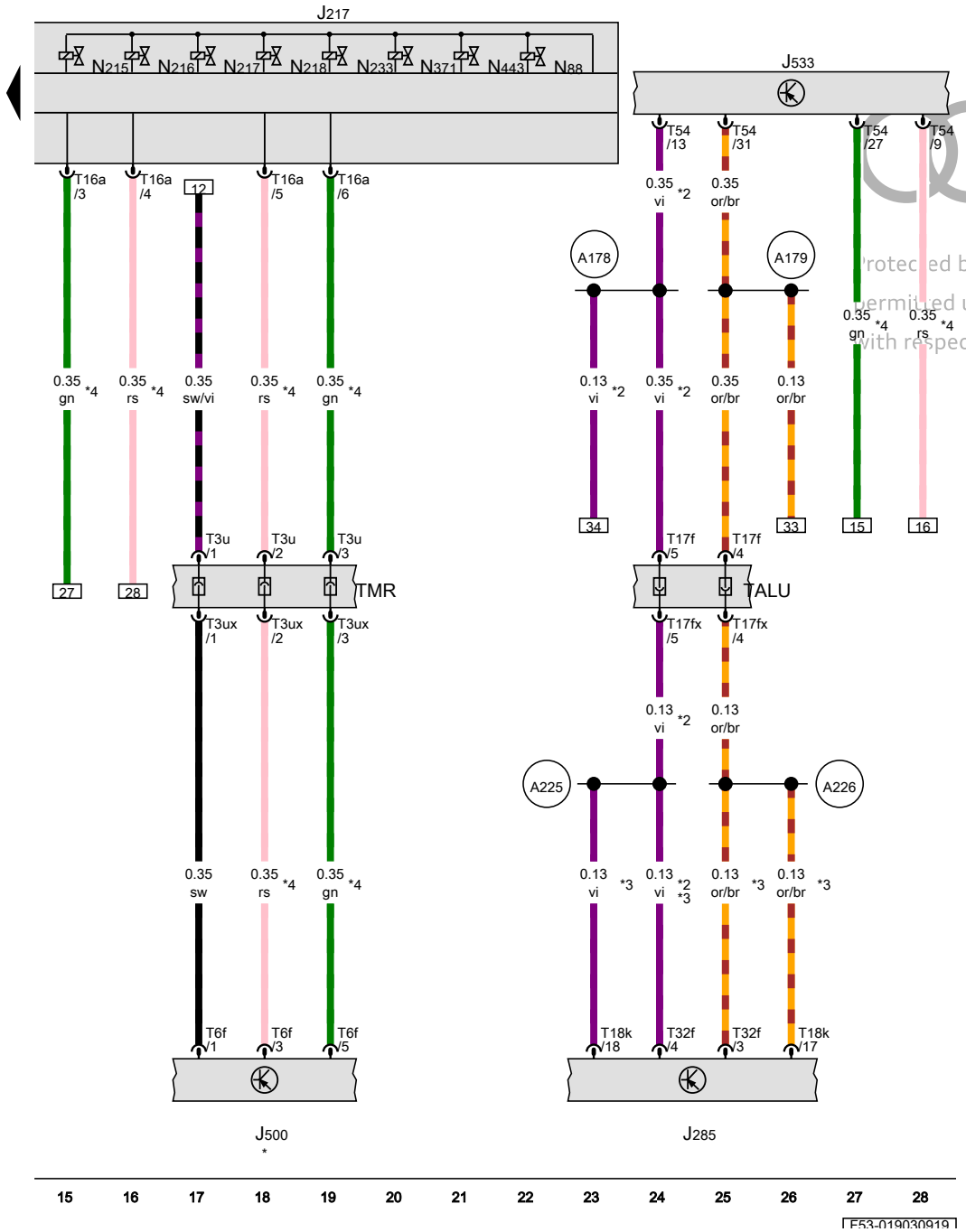
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Gearbox oil temperature sender, Gearbox input speed sender, Gearbox output speed sender, Temperature sender in control unit, Parking lock sender, Automatic gearbox control unit, Parking lock solenoid

G93	Gearbox oil temperature sender
G182	Gearbox input speed sender
G195	Gearbox output speed sender
G510	Temperature sender in control unit
G747	Parking lock sender
J217	Automatic gearbox control unit
J519	Onboard supply control unit
J623	Engine/motor control unit
N485	Accumulator solenoid
N486	Parking lock solenoid
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
SF6	Fuse 6 in fuse holder F
T16a	16-pin connector, black
T56e	56-pin connector, black
T73a	73-pin connector, black
T91	91-pin connector, black
741	Earth point under seat on front left
764	Earth point, in front left wheel housing
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for engine
*2	see applicable current flow diagram for fuse assignment
*3	For models with diesel engine
*4	For models with natural gas engine
*5	For models with petrol engine



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rs = pink

Automatic gearbox control unit, Solenoid valve 1, Automatic gearbox pressure regulating valve 1

J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J500	Power steering control unit
J533	Data bus diagnostic interface
N88	Solenoid valve 1
N215	Automatic gearbox pressure regulating valve 1
N216	Automatic gearbox pressure regulating valve 2
N217	Automatic gearbox pressure regulating valve 3
N218	Automatic gearbox pressure regulating valve 4
N233	Automatic gearbox pressure regulating valve 5
N371	Automatic gearbox pressure regulating valve 6
N443	Automatic gearbox pressure regulating valve 7
T3u	3-pin connector, black
T3ux	3-pin connector, black
T6f	6-pin connector, black
T16a	16-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T18k	18-pin connector, black
T32f	32-pin connector, grey
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TMR	Coupling point in engine compartment, right
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	For models with electromechanical power steering
*2	Different wire colour possible
*3	According to equipment
*4	Data bus wire (FlexRay bus)

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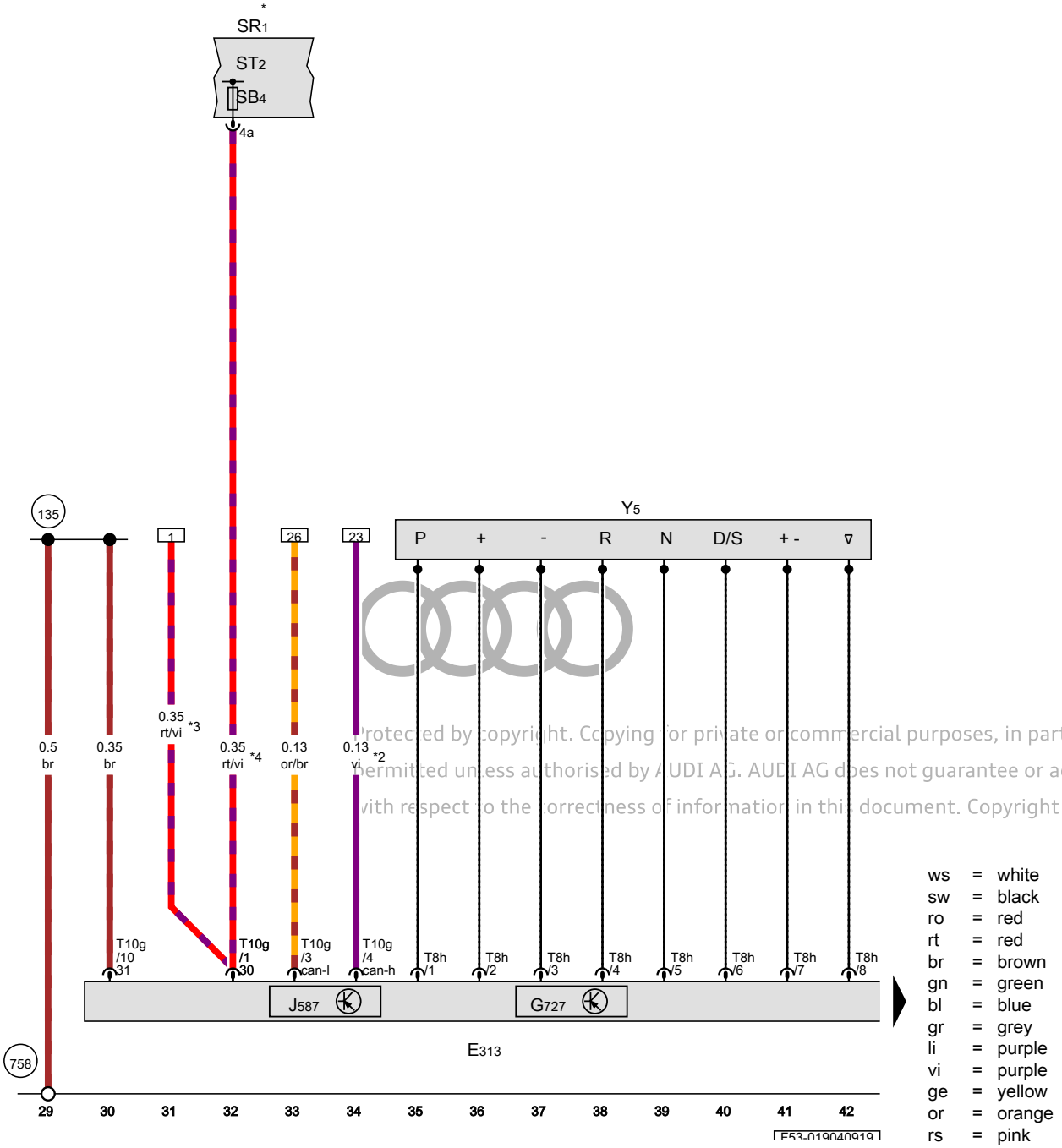
Selector lever, Selector lever position sender, Selector lever sensors control unit, Selector lever position display

E313	Selector lever
G727	Selector lever position sender
J587	Selector lever sensors control unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB4	Fuse 4 on fuse holder B
T8h	8-pin connector, black
T10g	10-pin connector, black
Y5	Selector lever position display
135	Earth connection 2, in dash panel wiring harness
758	Earth point 3, on centre tunnel
*	see applicable current flow diagram for fuse assignment
*2	Different wire colour possible
*3	For models with natural gas engine
*4	According to equipment



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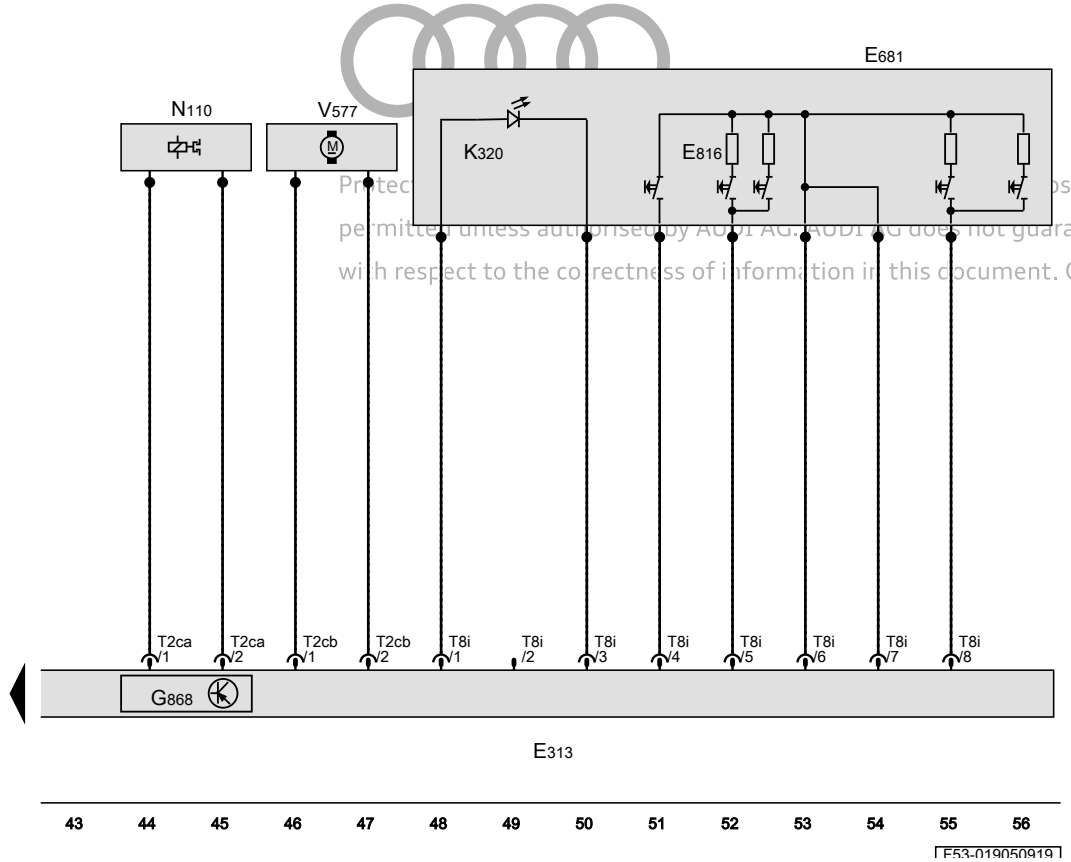
rs	=	pink

Selector lever, Button for selector lever release, Parking lock button, Parking lock indicator lamp, Selector lever lock solenoid, Motor for lateral selector lever lock

E313	Selector lever
E681	Button for selector lever release
E816	Parking lock button
G868	Sender for lateral selector lever lock
K320	Parking lock indicator lamp
N110	Selector lever lock solenoid
T2ca	2-pin connector, black
T2cb	2-pin connector, black
T8i	8-pin connector, black
V577	Motor for lateral selector lever lock



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Rear lid and tail light clusters with LEDs, 5-door vehicle , (8SK),(8SP)

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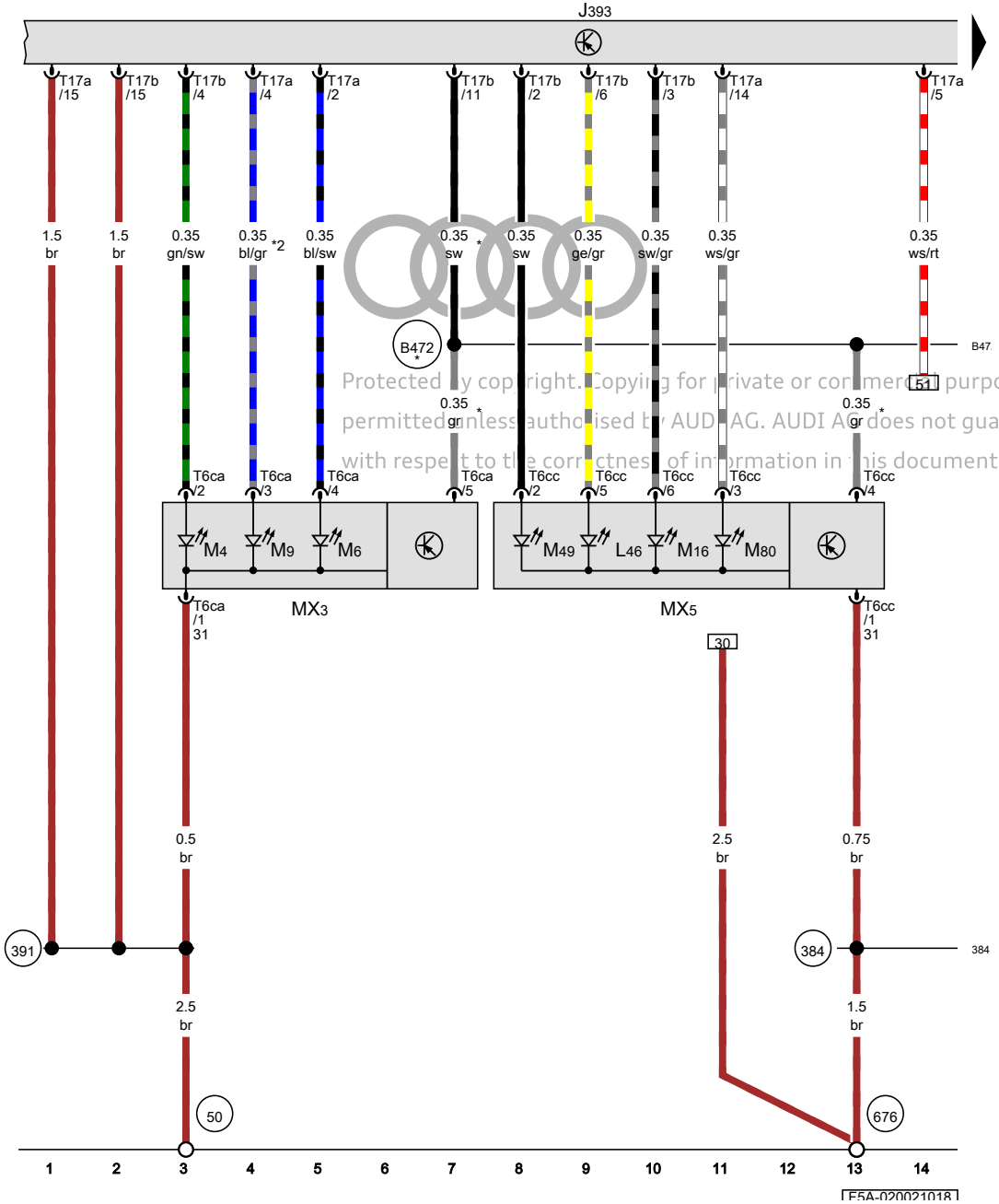

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Convenience system central control unit, Left tail light cluster, Left tail light cluster 2

J393	Convenience system central control unit
L46	Rear left fog light bulb
MX3	Left tail light cluster
M4	Left tail light bulb
MX5	Left tail light cluster 2
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
M49	Left tail light bulb 2
M80	Bulb 2 for rear left turn signal
T6ca	6-pin connector, grey
T6cc	6-pin connector, red
T17a	17-pin connector, brown
T17b	17-pin connector, black
50	Earth point, on left in luggage compartment
384	Earth connection 19, in main wiring harness
391	Earth connection 26, in main wiring harness
676	Earth point 2, on left in luggage compartment
B472	Connection 8, in main wiring harness
*	For models with dynamic turn signals
*2	Wiring colour depends on equipment

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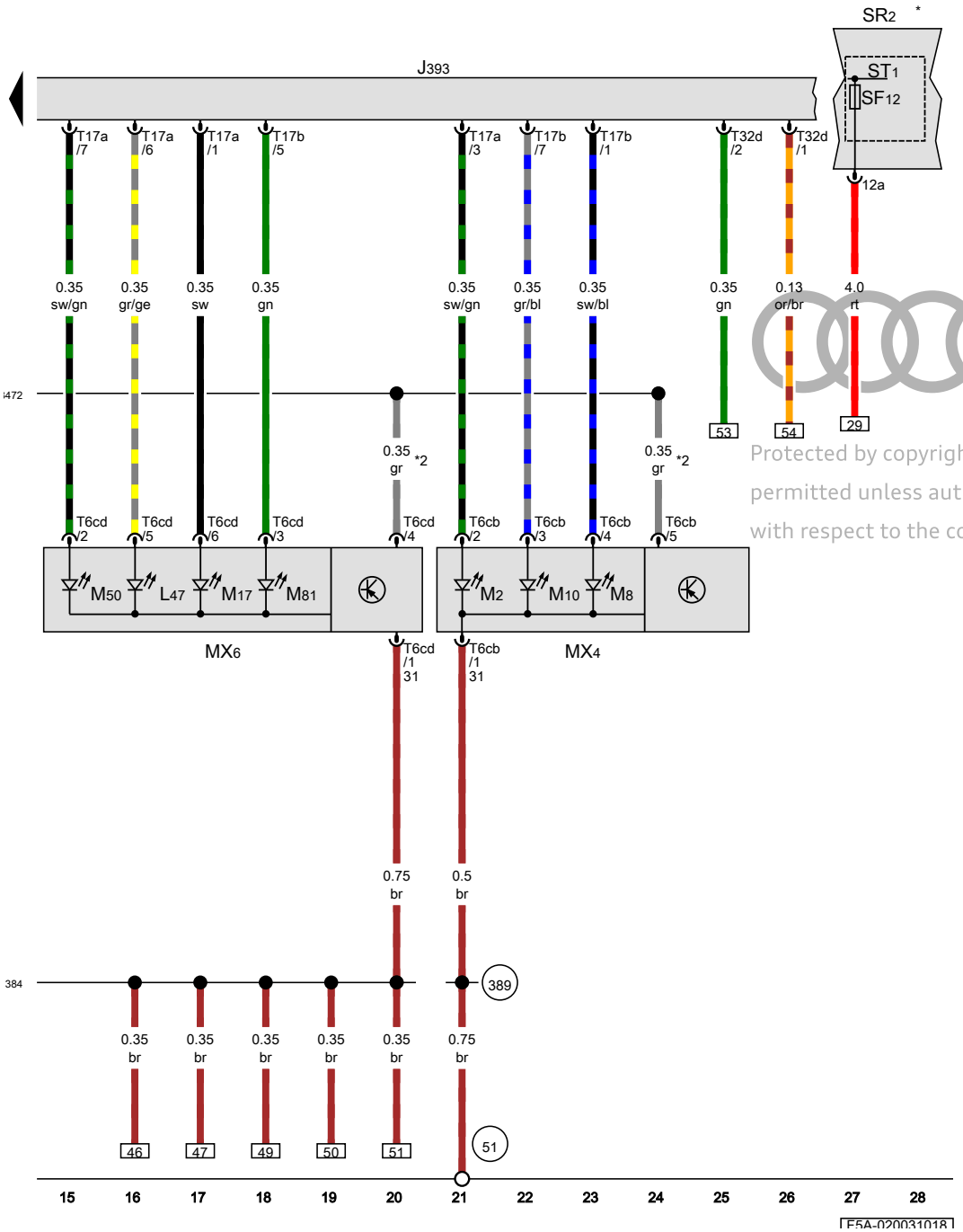

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Convenience system central control unit, Right tail light cluster, Right tail light cluster 2

J393	Convenience system central control unit
L47	Rear right fog light bulb
M2	Right tail light bulb
MX4	Right tail light cluster
MX6	Right tail light cluster 2
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
M50	Right tail light bulb 2
M81	Bulb 2 for rear right turn signal
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
SF12	Fuse 12 in fuse holder F
T6cb	6-pin connector, grey
T6cd	6-pin connector, red
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32d	32-pin connector, blue
51	Earth point, on right in luggage compartment
384	Earth connection 19, in main wiring harness
389	Earth connection 24, in main wiring harness
B472	Connection 8, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with dynamic turn signals

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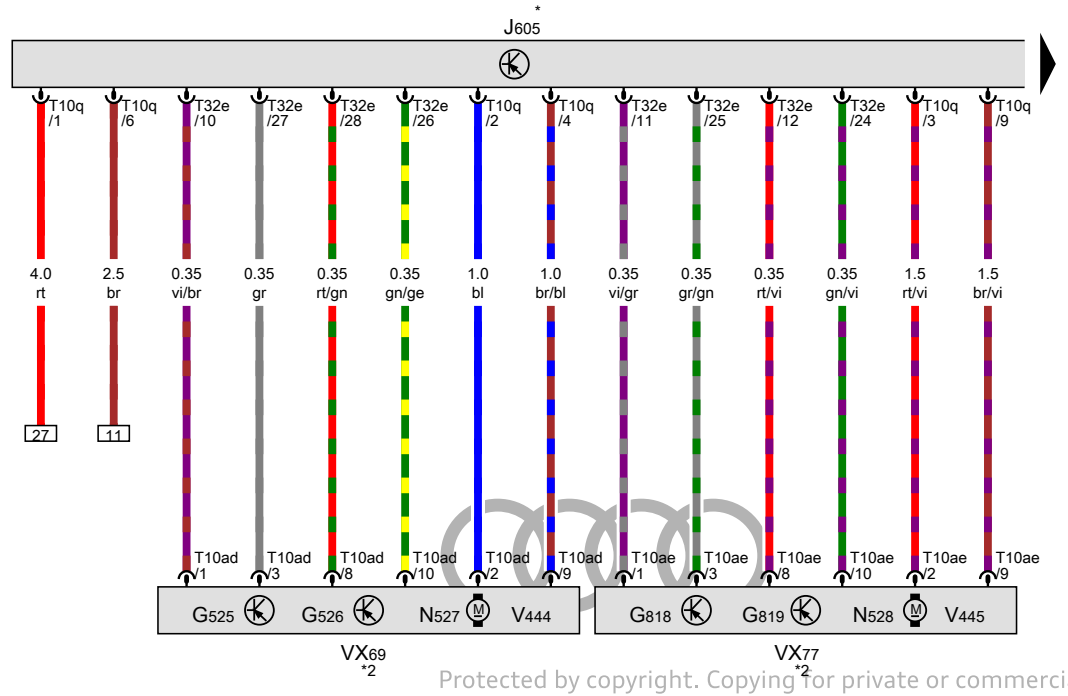
Rear lid control unit, Rear lid drive unit, Rear lid drive unit 2



G525	Rear lid closed sender 1
G526	Rear lid closed sender 2
G818	Rear lid position sender 1
G819	Rear lid position sender 2
J605	Rear lid control unit
N527	Clutch in motor 1 for rear lid
N528	Clutch in motor 2 for rear lid
T10ad	10-pin connector, black
T10ae	10-pin connector, black
T10q	10-pin connector, black
T32e	32-pin connector, black
VX69	Rear lid drive unit, near rear lid, left
VX77	Rear lid drive unit 2, near rear lid, right
V444	Motor 1 for rear lid
V445	Motor 2 for rear lid
*	Optional equipment
*2	Pre-wired component

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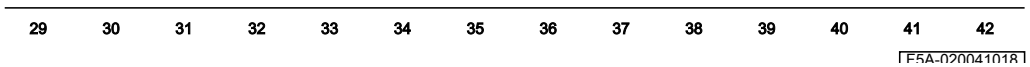

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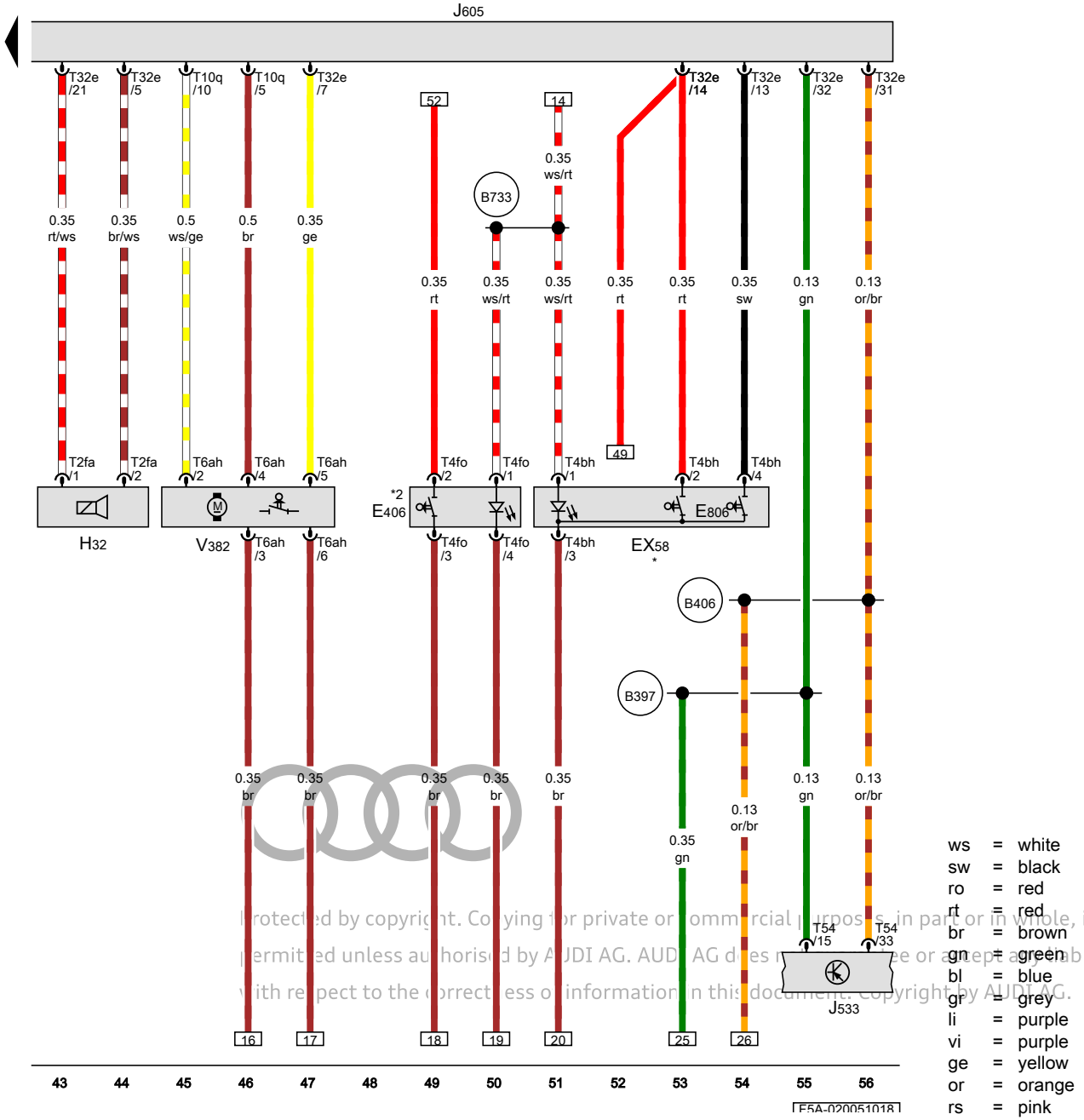

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Operating unit for rear lid control, Button to close rear lid in luggage compartment, Rear lid warning buzzer, Rear lid control unit, Power latching motor for rear lid

EX58	Operating unit for rear lid control
E406	Button to close rear lid in luggage compartment
E806	Locking button in rear lid
H32	Rear lid warning buzzer
J533	Data bus diagnostic interface
J605	Rear lid control unit
T2fa	2-pin connector, black
T4bh	4-pin connector, brown
T4fo	4-pin connector, black
T6ah	6-pin connector, black
T10q	10-pin connector, black
T32e	32-pin connector, black
T54	54-pin connector, black
V382	Power latching motor for rear lid
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B733	Connection 3 (58s), in main wiring harness
*	For models with entry and start authorisation
*2	For models with no entry and start authorisation

Gas discharge headlights (bi-xenon) with automatic headlight range control and cornering light , (8IH)

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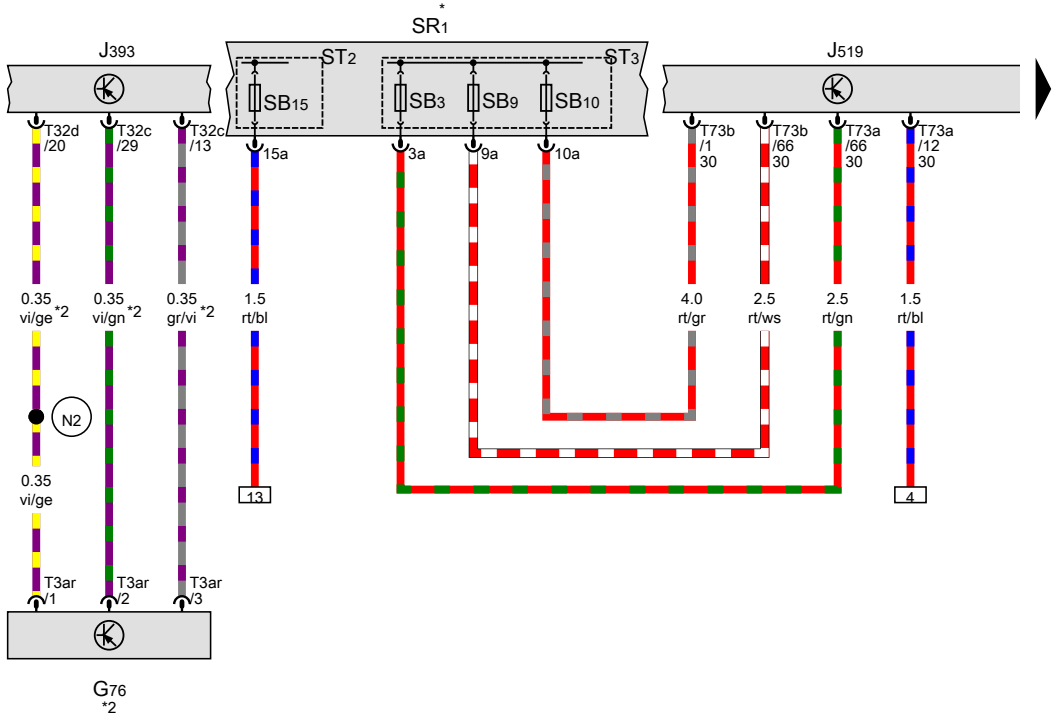

Rear left vehicle level sender, Convenience system central control unit, Onboard supply control unit

G76	Rear left vehicle level sender
J393	Convenience system central control unit
J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
ST3	Fuse carrier 3, black
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB15	Fuse 15 on fuse holder B
T3ar	3-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
T73a	73-pin connector, black
T73b	73-pin connector, black
N2	Connection 1, in headlight range control wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with no adaptive suspension

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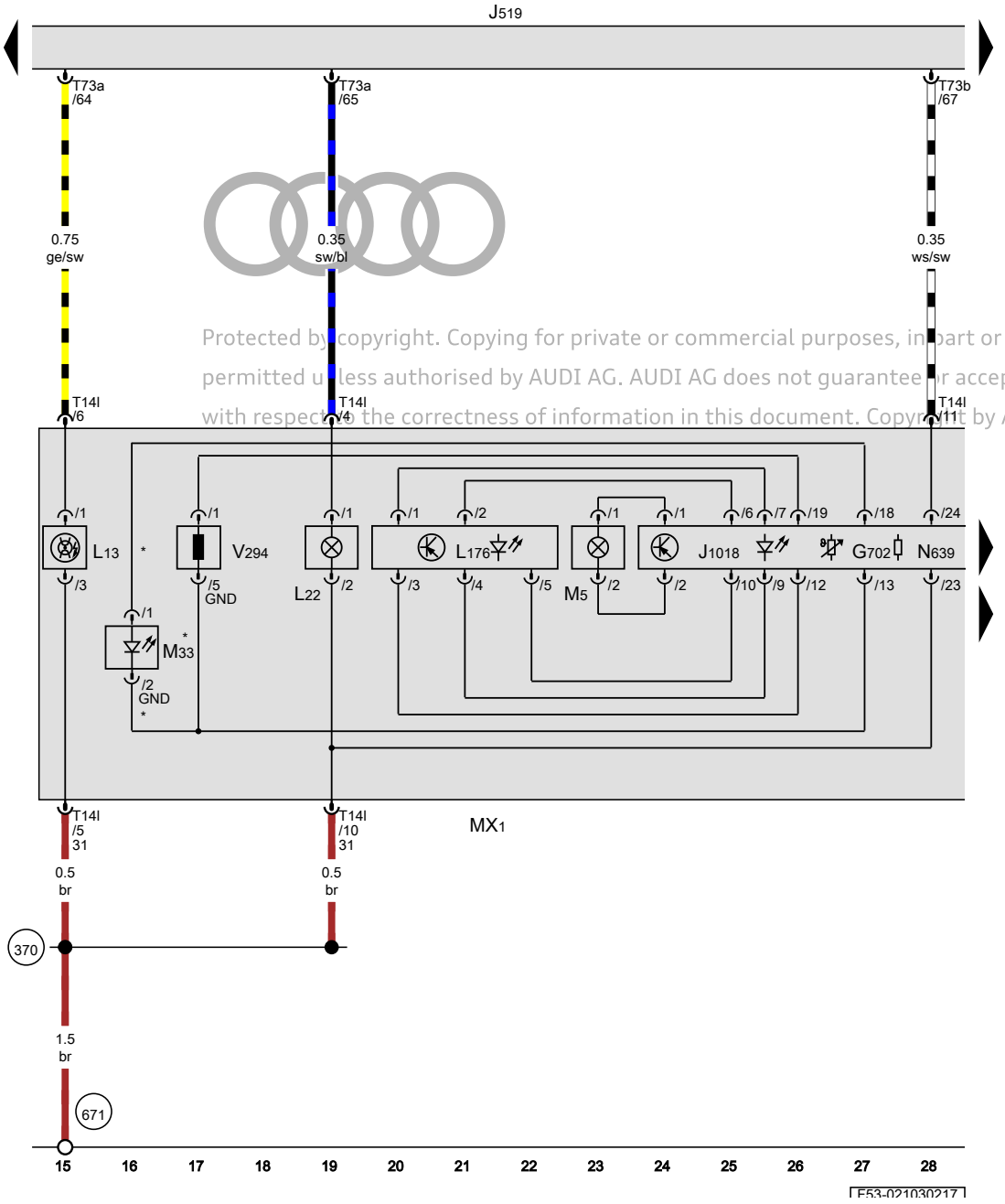

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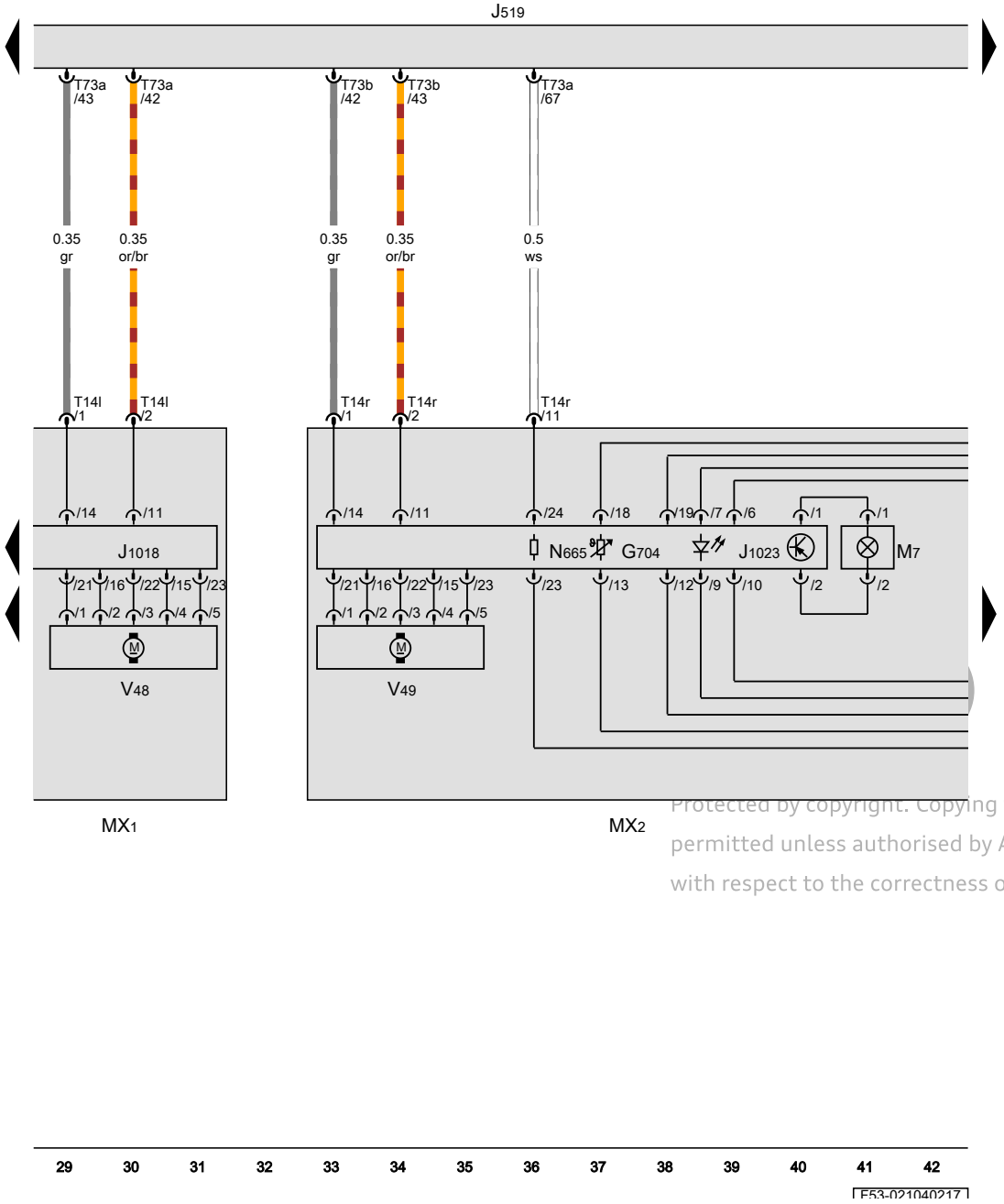
Onboard supply control unit, Left light control unit, Left gas discharge (xenon) bulb, Left fog light bulb, Left LED module for daytime running light and side light, Front left headlight, Front left turn signal bulb, Front left side marker bulb, Left dip beam screen motor

G702	Temperature sender 1 for left headlight
J519	Onboard supply control unit
J1018	Left light control unit
L13	Left gas discharge (xenon) bulb
L22	Left fog light bulb
L176	Left LED module for daytime running light and side light
MX1	Front left headlight
M5	Front left turn signal bulb
M33	Front left side marker bulb
N639	Current coding resistor 1 for left headlight
T14l	14-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V294	Left dip beam screen motor
370	Earth connection 5, in main wiring harness
671	Earth point 1, on front of left longitudinal member
*	For American markets



Onboard supply control unit, Left light control unit, Right light control unit, Front left headlight, Front right headlight, Front right turn signal bulb, Left headlight range control motor, Right headlight range control motor

G704	Temperature sender 1 for right headlight
J519	Onboard supply control unit
J1018	Left light control unit
J1023	Right light control unit
MX1	Front left headlight
MX2	Front right headlight
M7	Front right turn signal bulb
N665	Current coding resistor 1 for right headlight
T14l	14-pin connector, black
T14r	14-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V48	Left headlight range control motor
V49	Right headlight range control motor

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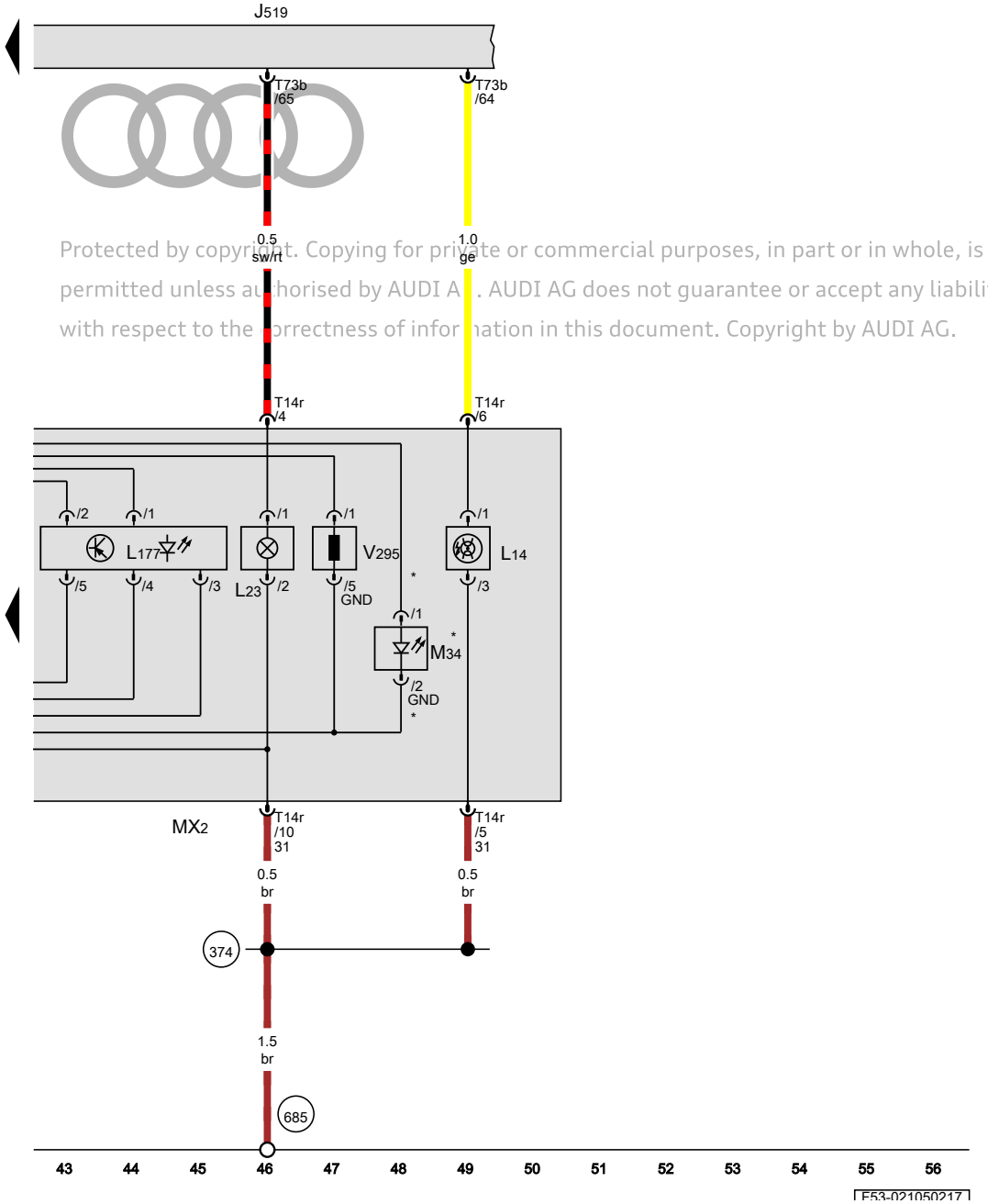

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Onboard supply control unit, Right gas discharge (xenon) bulb, Right fog light bulb, Right LED module for daytime running light and side light, Front right headlight, Front right side marker bulb, Right dip beam screen motor

J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L23	Right fog light bulb
L177	Right LED module for daytime running light and side light
MX2	Front right headlight
M34	Front right side marker bulb
T14r	14-pin connector, black
T73b	73-pin connector, black
V295	Right dip beam screen motor
374	Earth connection 9, in main wiring harness
685	Earth point 1, on front of right longitudinal member
*	For American markets

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LED headlights , (8G0),(8G1)

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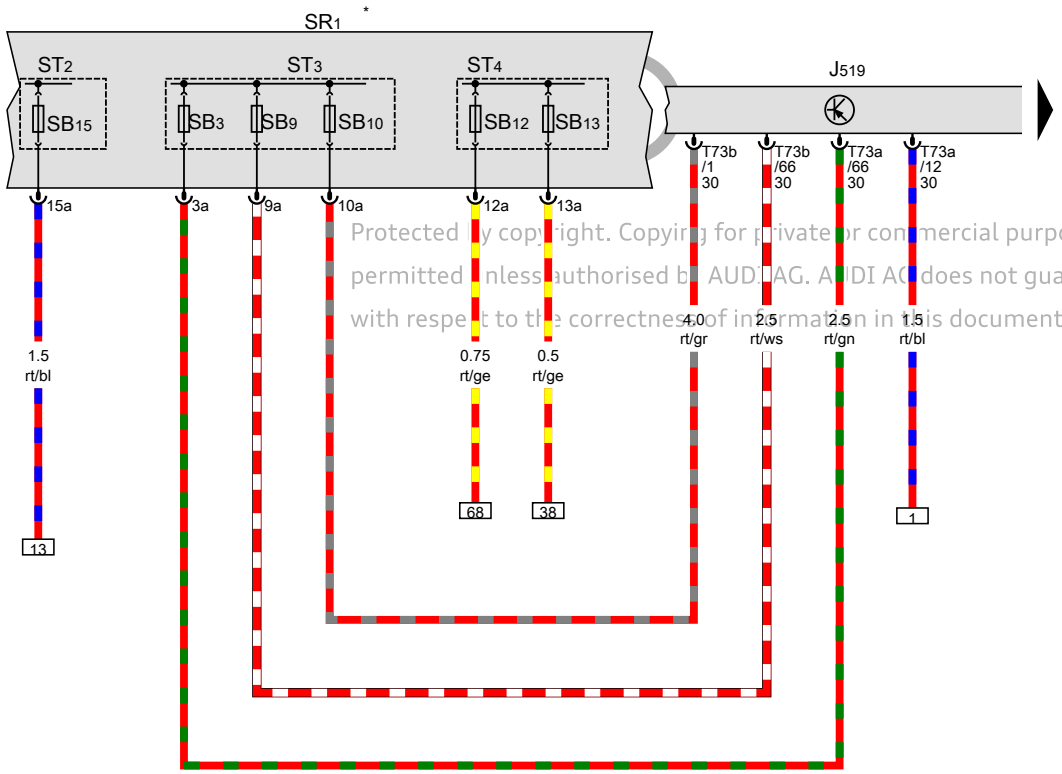

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Onboard supply control unit

J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
ST3	Fuse carrier 3, black
ST4	Fuse carrier 4, black
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T73a	73-pin connector, black
T73b	73-pin connector, black
*	see applicable current flow diagram for fuse assignment

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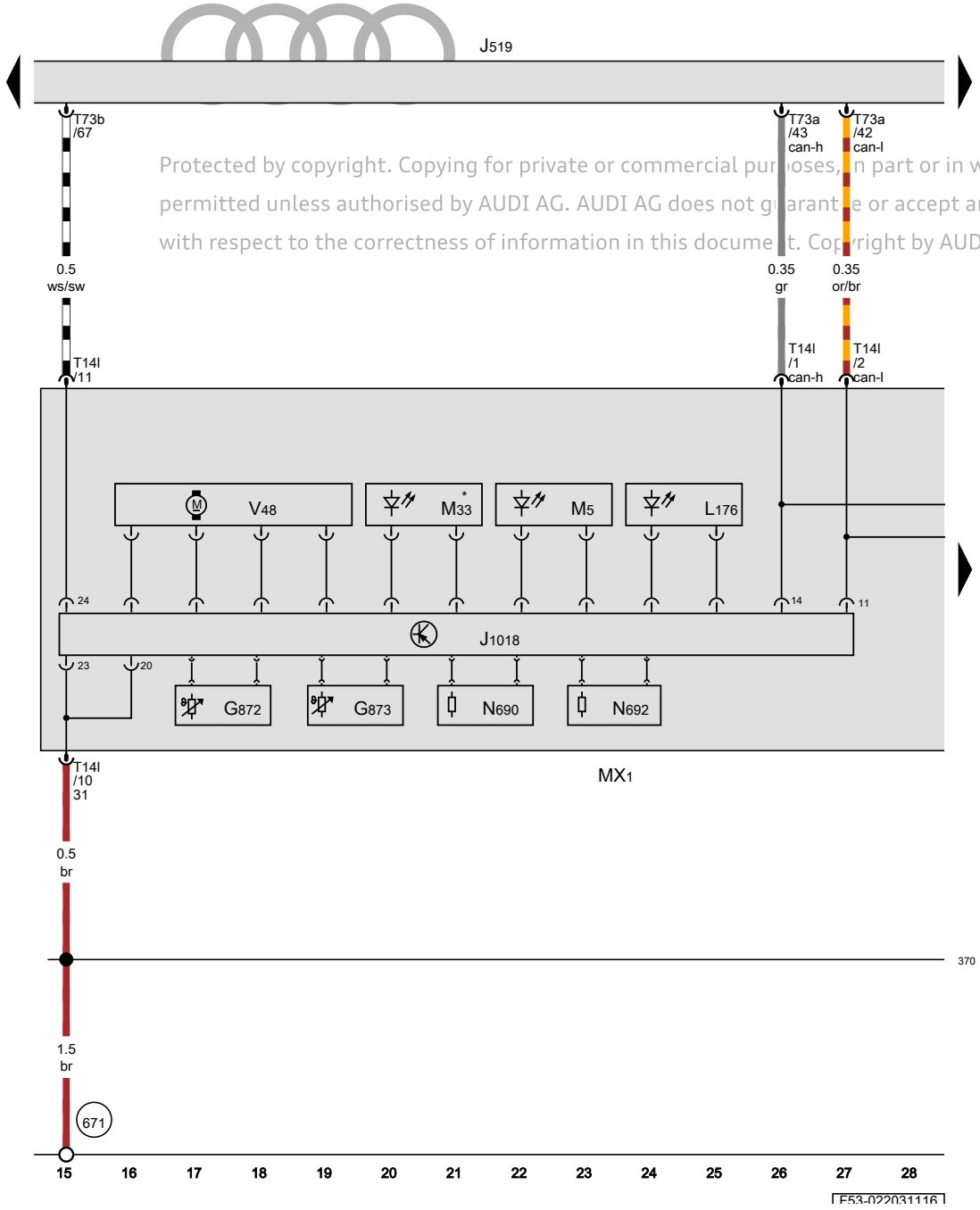

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Onboard supply control unit, Left light control unit, Left LED module for daytime running light and side light, Front left headlight, Front left turn signal bulb, Front left side marker bulb, Left headlight range control motor

G872	Temperature sender 4 for left headlight
G873	Temperature sender 5 for left headlight
J519	Onboard supply control unit
J1018	Left light control unit
L176	Left LED module for daytime running light and side light
MX1	Front left headlight
M5	Front left turn signal bulb
M33	Front left side marker bulb
N690	Current coding resistor 4 for left headlight
N692	Current coding resistor 5 for left headlight
T14l	14-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V48	Left headlight range control motor
370	Earth connection 5, in main wiring harness
671	Earth point 1, on front of left longitudinal member
*	Only for American markets

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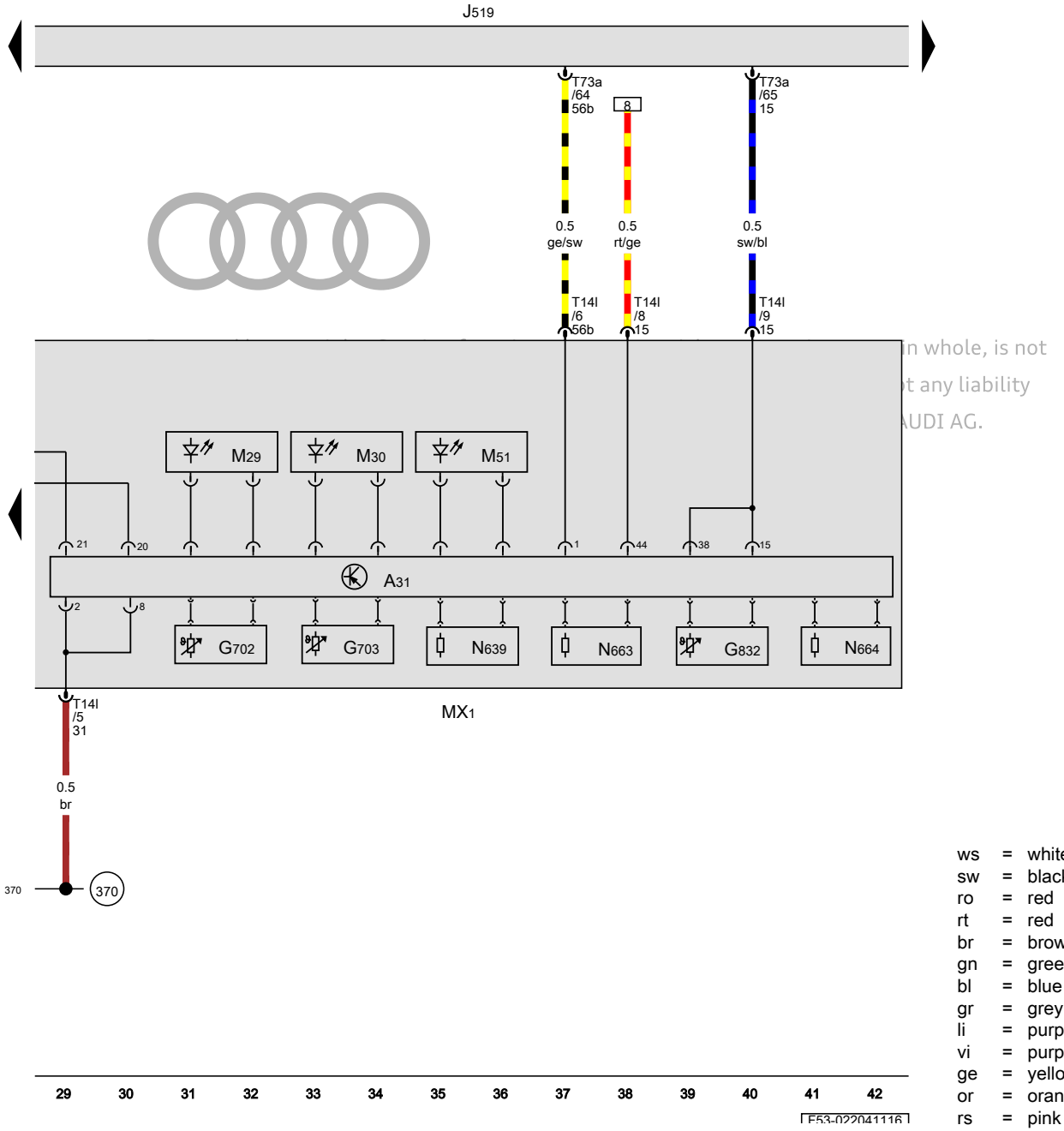

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Output module 1 for left LED headlight, Onboard supply control unit, Front left headlight, Left headlight dipped beam bulb

A31	Output module 1 for left LED headlight
G702	Temperature sender 1 for left headlight
G703	Temperature sender 2 for left headlight
G832	Temperature sender 3 for left headlight
J519	Onboard supply control unit
MX1	Front left headlight
M29	Left headlight dipped beam bulb
M30	Left headlight main beam bulb
M51	Left static cornering light
N639	Current coding resistor 1 for left headlight
N663	Current coding resistor 2 for left headlight
N664	Current coding resistor 3 for left headlight
T14l	14-pin connector, black
T73a	73-pin connector, black
370	Earth connection 5, in main wiring harness

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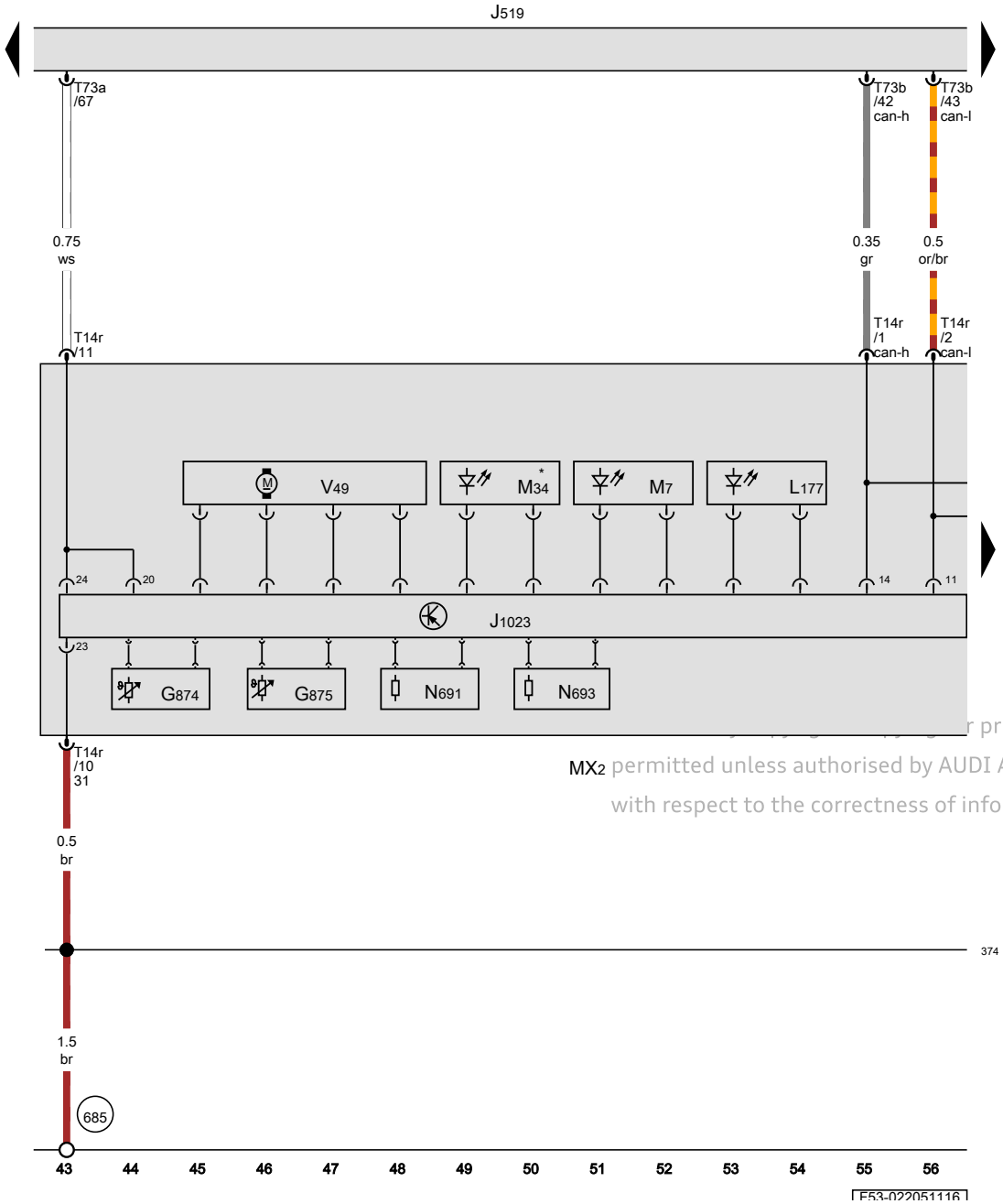

Onboard supply control unit, Right light control unit, Right LED module for daytime running light and side light, Front right headlight, Front right turn signal bulb, Front right side marker bulb, Right headlight range control motor

G874	Temperature sender 4 for right headlight
G875	Temperature sender 5 for right headlight
J519	Onboard supply control unit
J1023	Right light control unit
L177	Right LED module for daytime running light and side light
MX2	Front right headlight
M7	Front right turn signal bulb
M34	Front right side marker bulb
N691	Current coding resistor 4 for right headlight
N693	Current coding resistor 5 for right headlight
T14r	14-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V49	Right headlight range control motor
374	Earth connection 9, in main wiring harness
685	Earth point 1, on front of right longitudinal member
*	Only for American markets

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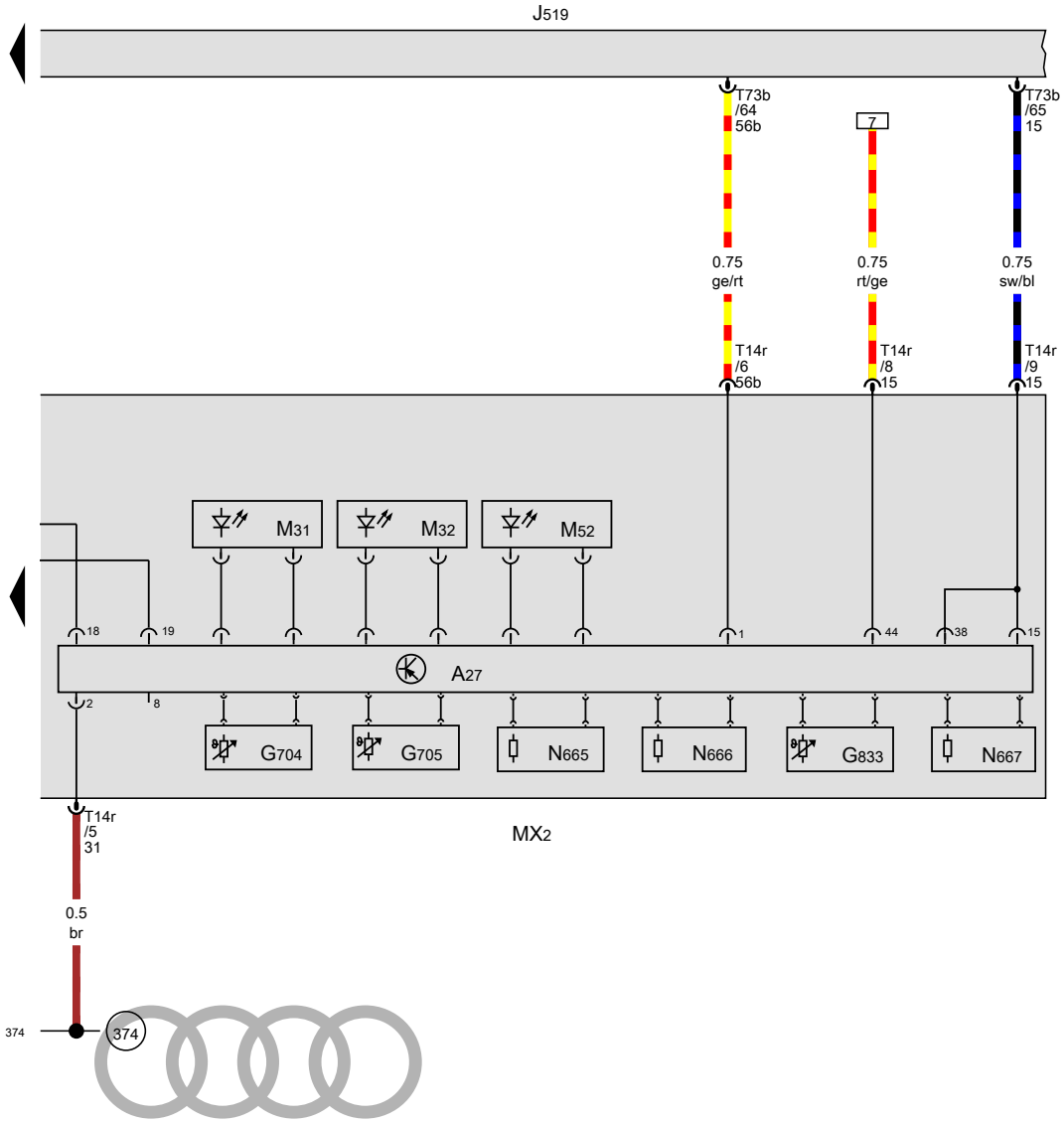
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Output module 1 for right LED headlight, Onboard supply control unit, Front right headlight, Right static cornering light

A27	Output module 1 for right LED headlight
G704	Temperature sender 1 for right headlight
G705	Temperature sender 2 for right headlight
G833	Temperature sender 3 for right headlight
J519	Onboard supply control unit
MX2	Front right headlight
M31	Right headlight dipped beam bulb
M32	Right headlight main beam bulb
M52	Right static cornering light
N665	Current coding resistor 1 for right headlight
N666	Current coding resistor 2 for right headlight
N667	Current coding resistor 3 for right headlight
T14r	14-pin connector, black
T73b	73-pin connector, black
374	Earth connection 9, in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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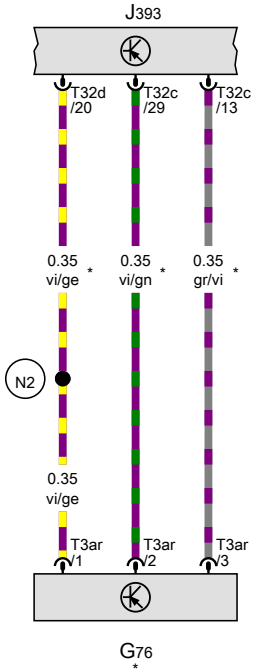

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Rear left vehicle level sender, Convenience system central control unit

G76	Rear left vehicle level sender
J393	Convenience system central control unit
T3ar	3-pin connector
T32c	32-pin connector, black
T32d	32-pin connector, blue
N2	Connection 1, in headlight range control wiring harness
*	Only models with no adaptive suspension

71 72 73 74 75 76 77 78 79 80 81 82 83 84

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

LED matrix beam headlights , (8G4)

From July 2016

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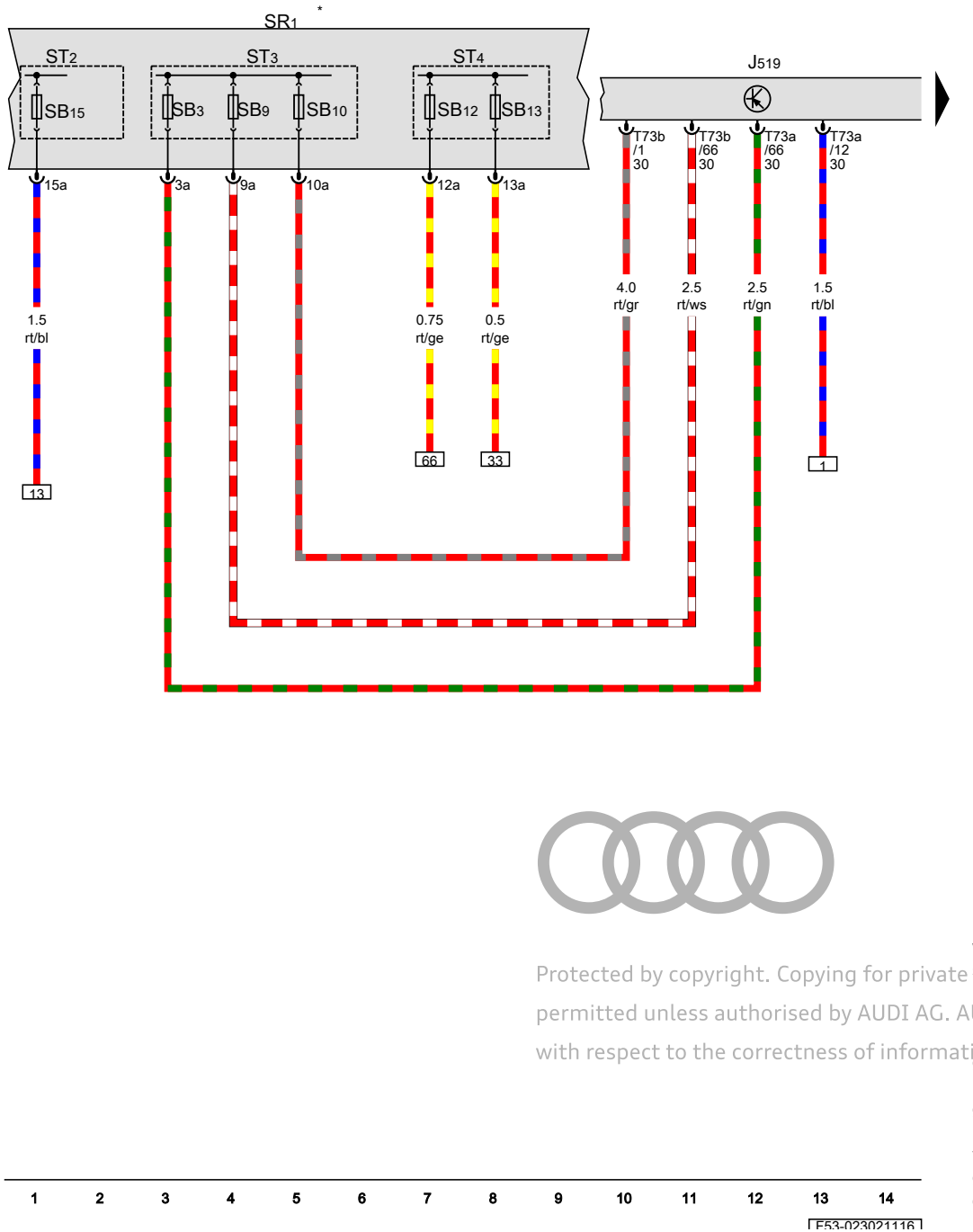

Onboard supply control unit

J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
ST3	Fuse carrier 3, black
ST4	Fuse carrier 4, black
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T73a	73-pin connector, black
T73b	73-pin connector, black
*	see applicable current flow diagram for fuse assignment

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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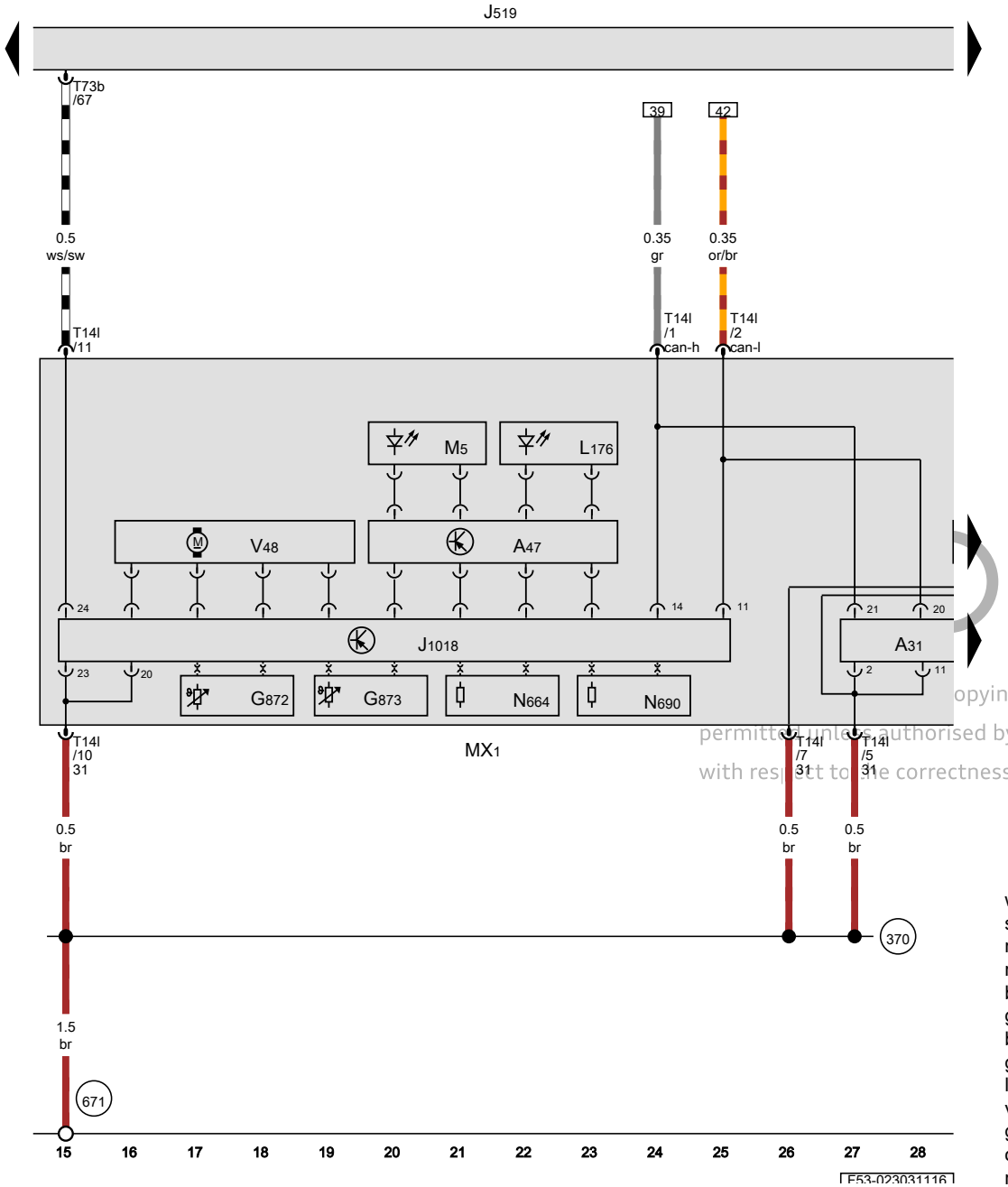
or	=	orange
rs	=	pink



Output module 1 for left LED headlight, Onboard supply control unit, Left light control unit, Left LED module for daytime running light and side light, Front left headlight, Front left turn signal bulb, Left headlight range control motor

A31	Output module 1 for left LED headlight
A47	Output module for left headlight additional functions
G872	Temperature sender 4 for left headlight
G873	Temperature sender 5 for left headlight
J519	Onboard supply control unit
J1018	Left light control unit
L176	Left LED module for daytime running light and side light
MX1	Front left headlight
M5	Front left turn signal bulb
N664	Current coding resistor 3 for left headlight
N690	Current coding resistor 4 for left headlight
T14l	14-pin connector, black
T73b	73-pin connector, black
V48	Left headlight range control motor
370	Earth connection 5, in main wiring harness
671	Earth point 1, on front of left longitudinal member

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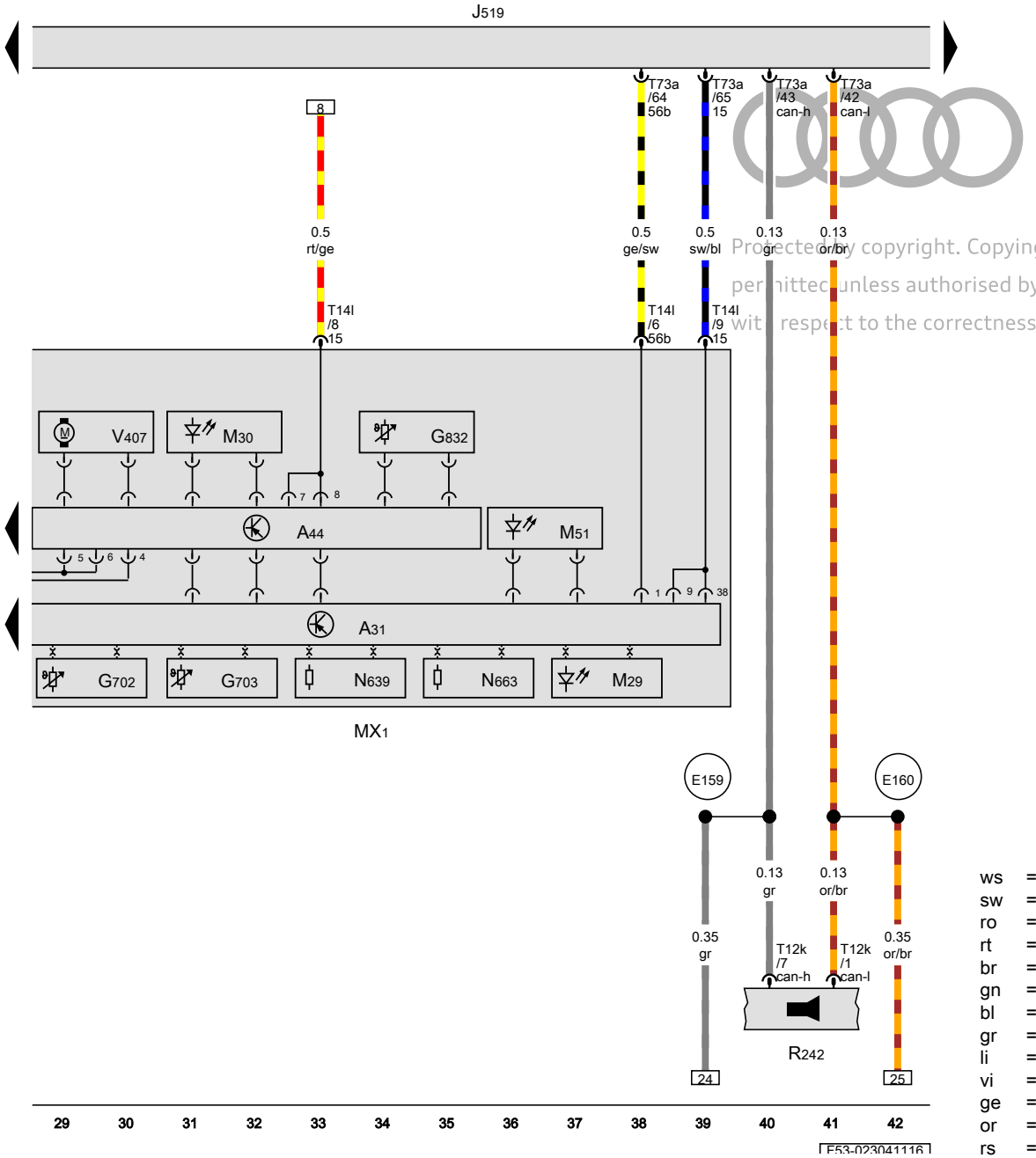
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Output module 1 for left LED headlight, Onboard supply control unit, Front left headlight, Left headlight dipped beam bulb, Front camera for driver assist systems



A31	Output module 1 for left LED headlight
A44	Output module for left matrix headlight
G702	Temperature sender 1 for left headlight
G703	Temperature sender 2 for left headlight
G832	Temperature sender 3 for left headlight
J519	Onboard supply control unit
MX1	Front left headlight
M29	Left headlight dipped beam bulb
M30	Left headlight main beam bulb
M51	Left static cornering light
N639	Current coding resistor 1 for left headlight
N663	Current coding resistor 2 for left headlight
R242	Front camera for driver assist systems
T12k	12-pin connector, black
T14l	14-pin connector, black
T73a	73-pin connector, black
V407	Left headlight fan
E159	Connection 1 (CAN bus, onboard supply control unit, high)
E160	Connection 1 (CAN bus, onboard supply control unit, low)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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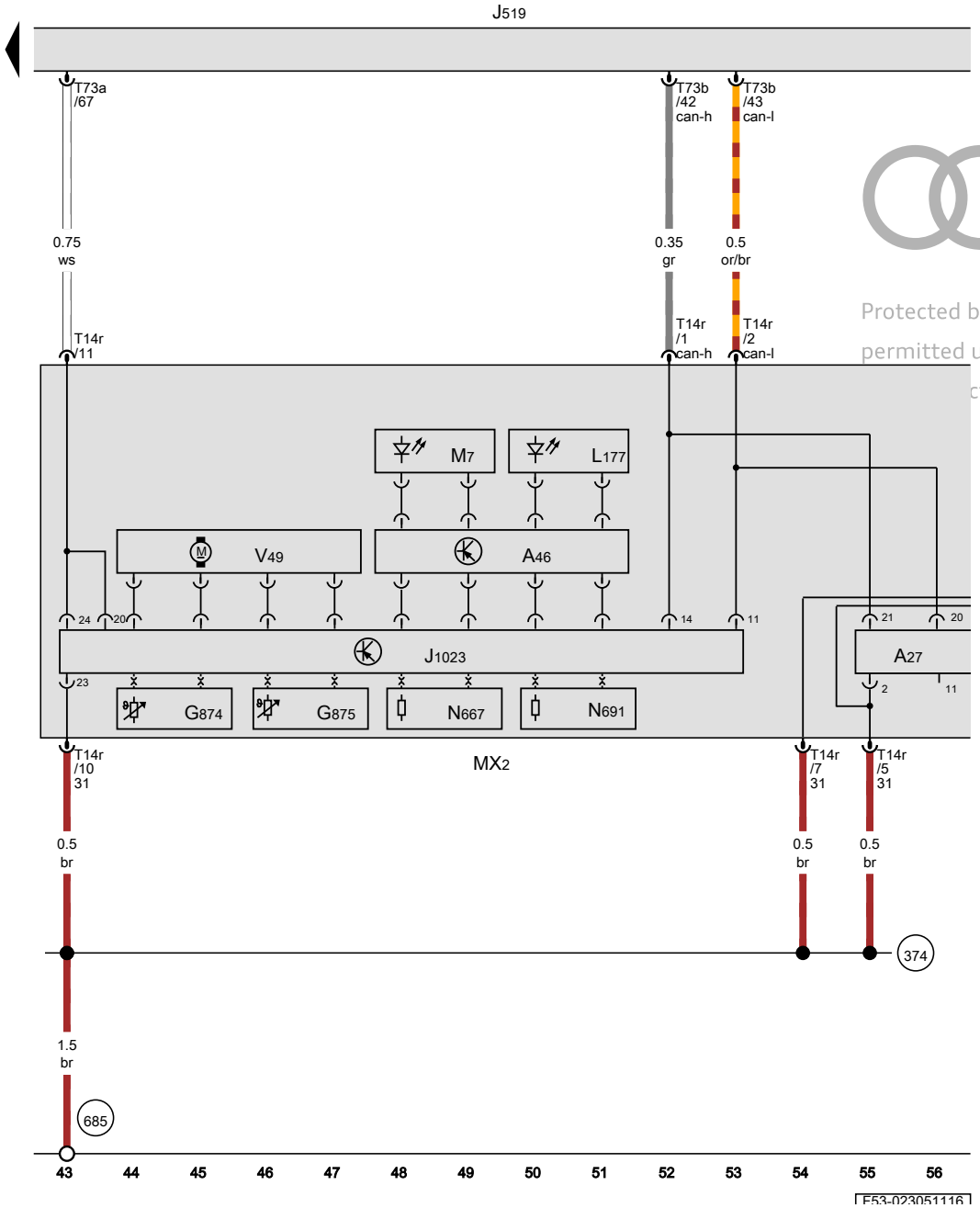

Output module 1 for right LED headlight, Onboard supply control unit, Right light control unit, Right LED module for daytime running light and side light, Front right headlight, Front right turn signal bulb, Right headlight range control motor

A27	Output module 1 for right LED headlight
A46	Output module for right headlight additional functions
G874	Temperature sender 4 for right headlight
G875	Temperature sender 5 for right headlight
J519	Onboard supply control unit
J1023	Right light control unit
L177	Right LED module for daytime running light and side light
MX2	Front right headlight
M7	Front right turn signal bulb
N667	Current coding resistor 3 for right headlight
N691	Current coding resistor 4 for right headlight
T14r	14-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V49	Right headlight range control motor
374	Earth connection 9, in main wiring harness
685	Earth point 1, on front of right longitudinal member

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ws	=	white
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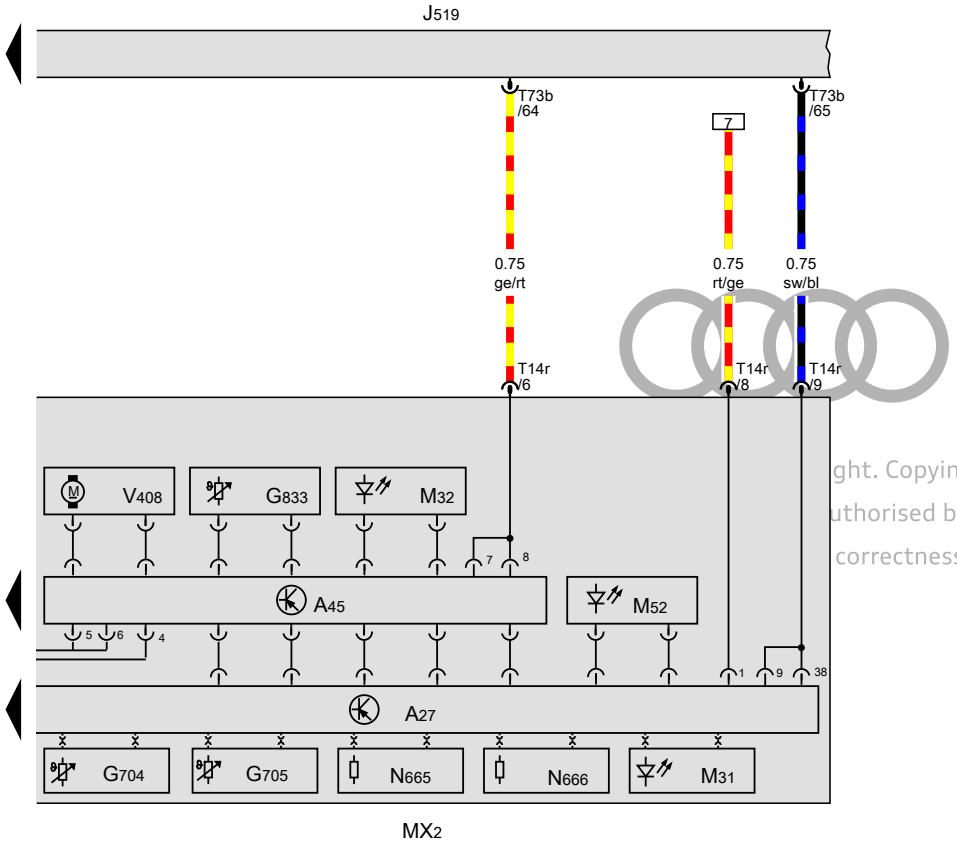
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Output module 1 for right LED headlight, Onboard supply control unit, Front right headlight, Right static cornering light



A27	Output module 1 for right LED headlight
A45	Output module for right matrix headlight
G704	Temperature sender 1 for right headlight
G705	Temperature sender 2 for right headlight
G833	Temperature sender 3 for right headlight
J519	Onboard supply control unit
MX2	Front right headlight
M31	Right headlight dipped beam bulb
M32	Right headlight main beam bulb
M52	Right static cornering light
N665	Current coding resistor 1 for right headlight
N666	Current coding resistor 2 for right headlight
T14r	14-pin connector, black
T73b	73-pin connector, black
V408	Right headlight fan

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57 58 59 60 61 62 63 64 65 66 67 68 69 70

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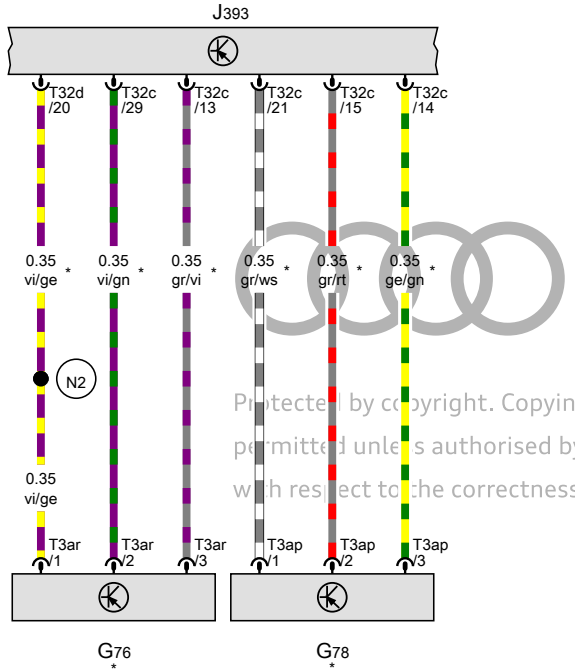
ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear left vehicle level sender, Convenience system central control unit



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G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J393	Convenience system central control unit
T3ap	3-pin connector, black
T3ar	3-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
N2	Connection 1, in headlight range control wiring harness
*	Only models with no adaptive suspension

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

71 72 73 74 75 76 77 78 79 80 81 82 83 84

E53-023071116

Tail light clusters with LEDs , (5C0),(8SP)

From July 2016

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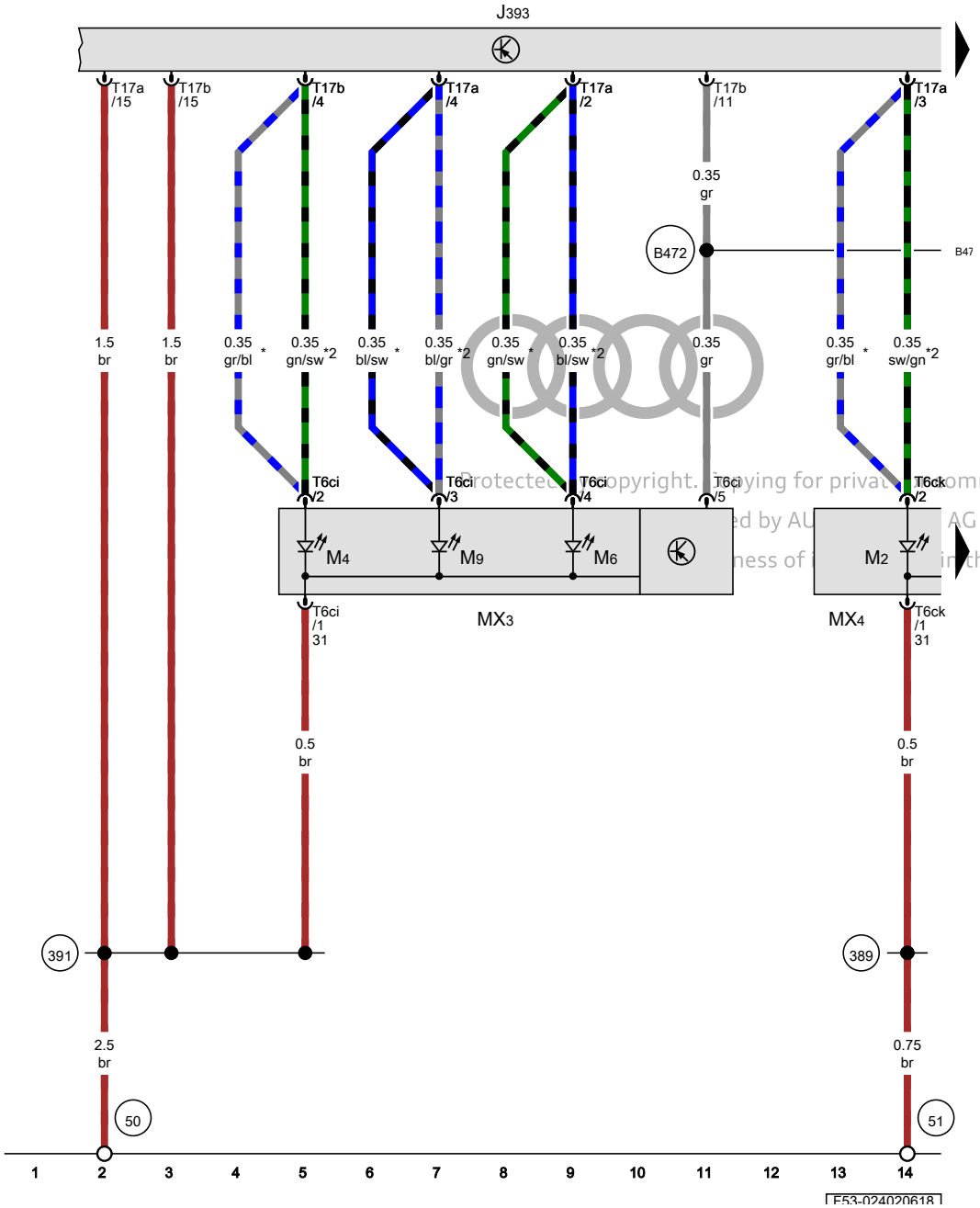

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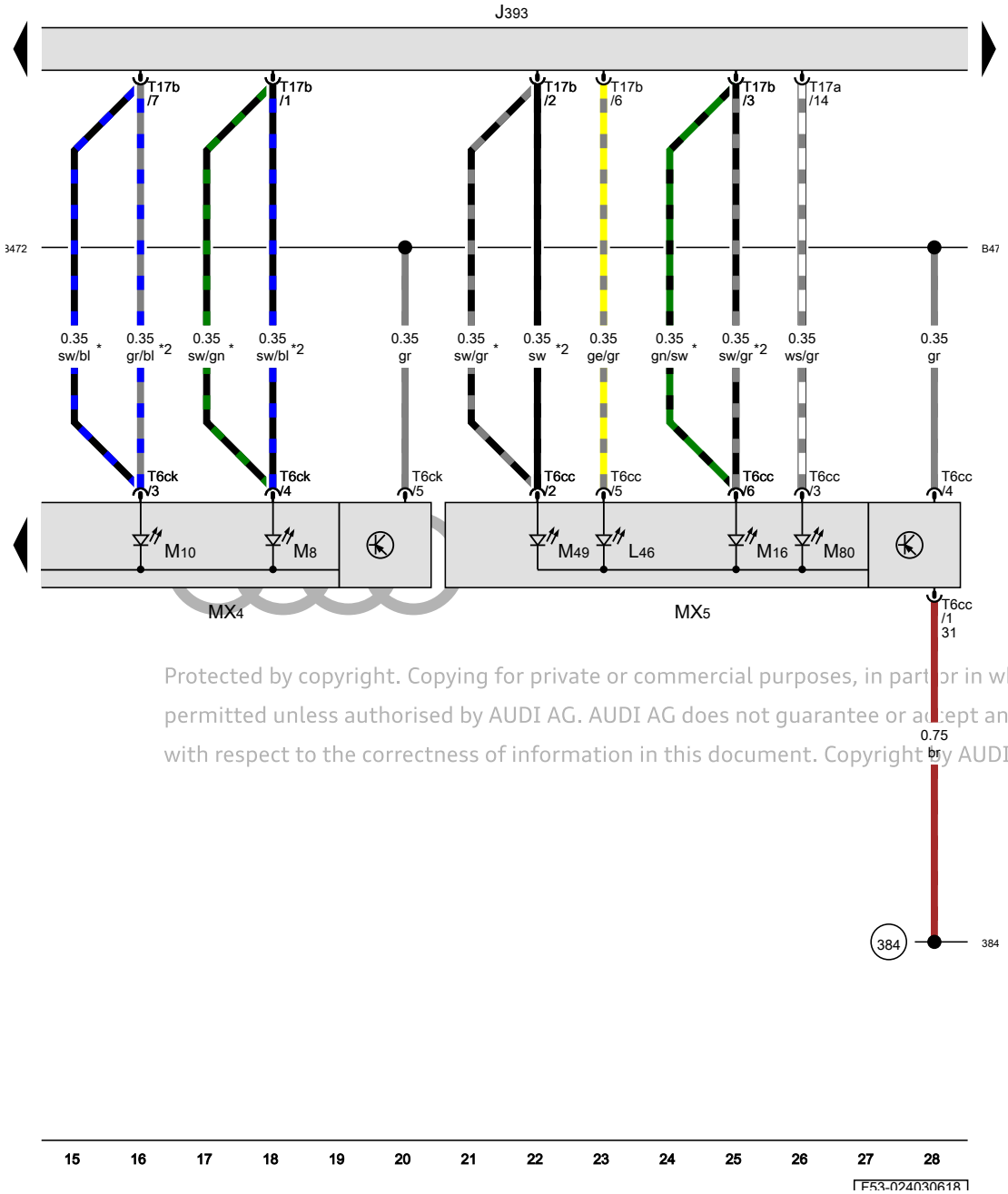
Convenience system central control unit, Left tail light cluster, Right tail light cluster

J393	Convenience system central control unit
M2	Right tail light bulb
MX3	Left tail light cluster
M4	Left tail light bulb
MX4	Right tail light cluster
M6	Rear left turn signal bulb
M9	Left brake light bulb
T6ci	6-pin connector, grey
T6ck	6-pin connector, grey
T17a	17-pin connector, brown
T17b	17-pin connector, black
50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
389	Earth connection 24, in main wiring harness
391	Earth connection 26, in main wiring harness
B472	Connection 8, in main wiring harness
*	For Cabriolet models
*2	Coupé

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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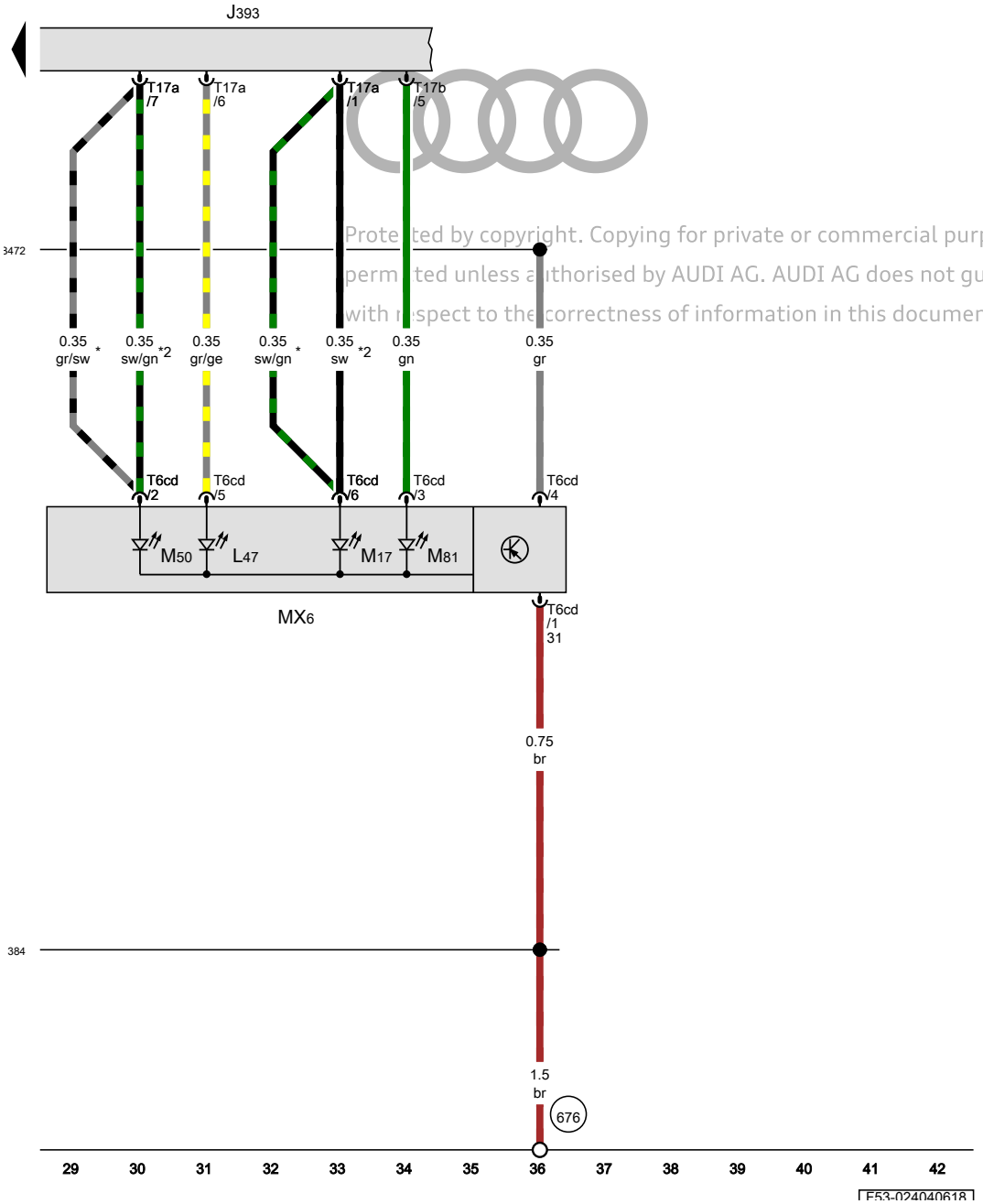
ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, Right tail light cluster, Left tail light cluster 2

J393	Convenience system central control unit
L46	Rear left fog light bulb
MX4	Right tail light cluster
MX5	Left tail light cluster 2
M8	Rear right turn signal bulb
M10	Right brake light bulb
M16	Left reversing light bulb
M49	Left tail light bulb 2
M80	Bulb 2 for rear left turn signal
T6cc	6-pin connector, red
T6ck	6-pin connector, grey
T17a	17-pin connector, brown
T17b	17-pin connector, black
384	Earth connection 19, in main wiring harness
B472	Connection 8, in main wiring harness
*	For Cabriolet models
*2	Coupé



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Convenience system central control unit, Right tail light cluster 2

J393	Convenience system central control unit
L47	Rear right fog light bulb
MX6	Right tail light cluster 2
M17	Right reversing light bulb
M50	Right tail light bulb 2
M81	Bulb 2 for rear right turn signal
T6cd	6-pin connector, red
T17a	17-pin connector, brown
T17b	17-pin connector, black
384	Earth connection 19, in main wiring harness
676	Earth point 2, on left in luggage compartment
B472	Connection 8, in main wiring harness
*	For Cabriolet models
*2	Coupé

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Automatic anti-dazzle interior mirror

From July 2016

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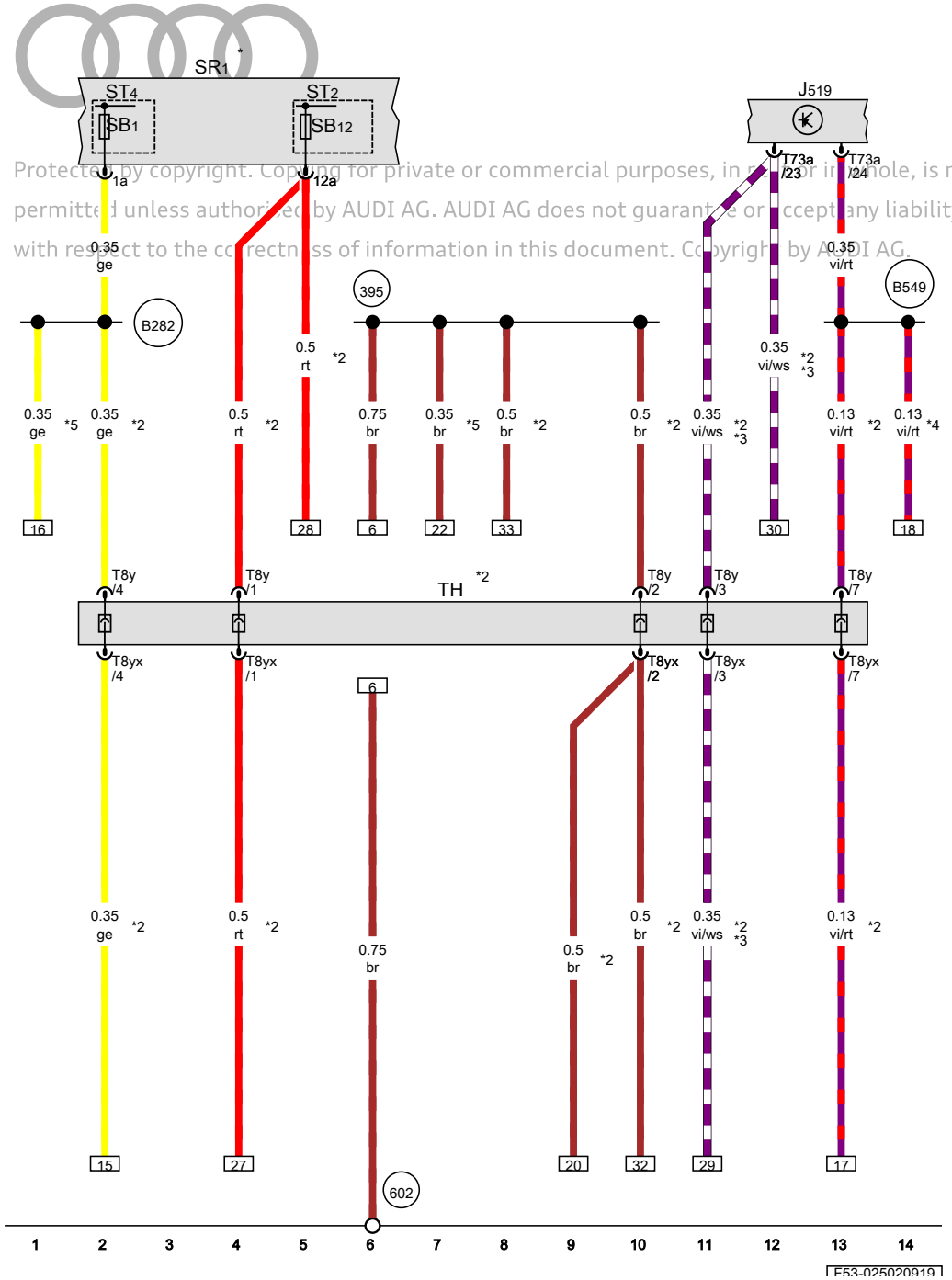
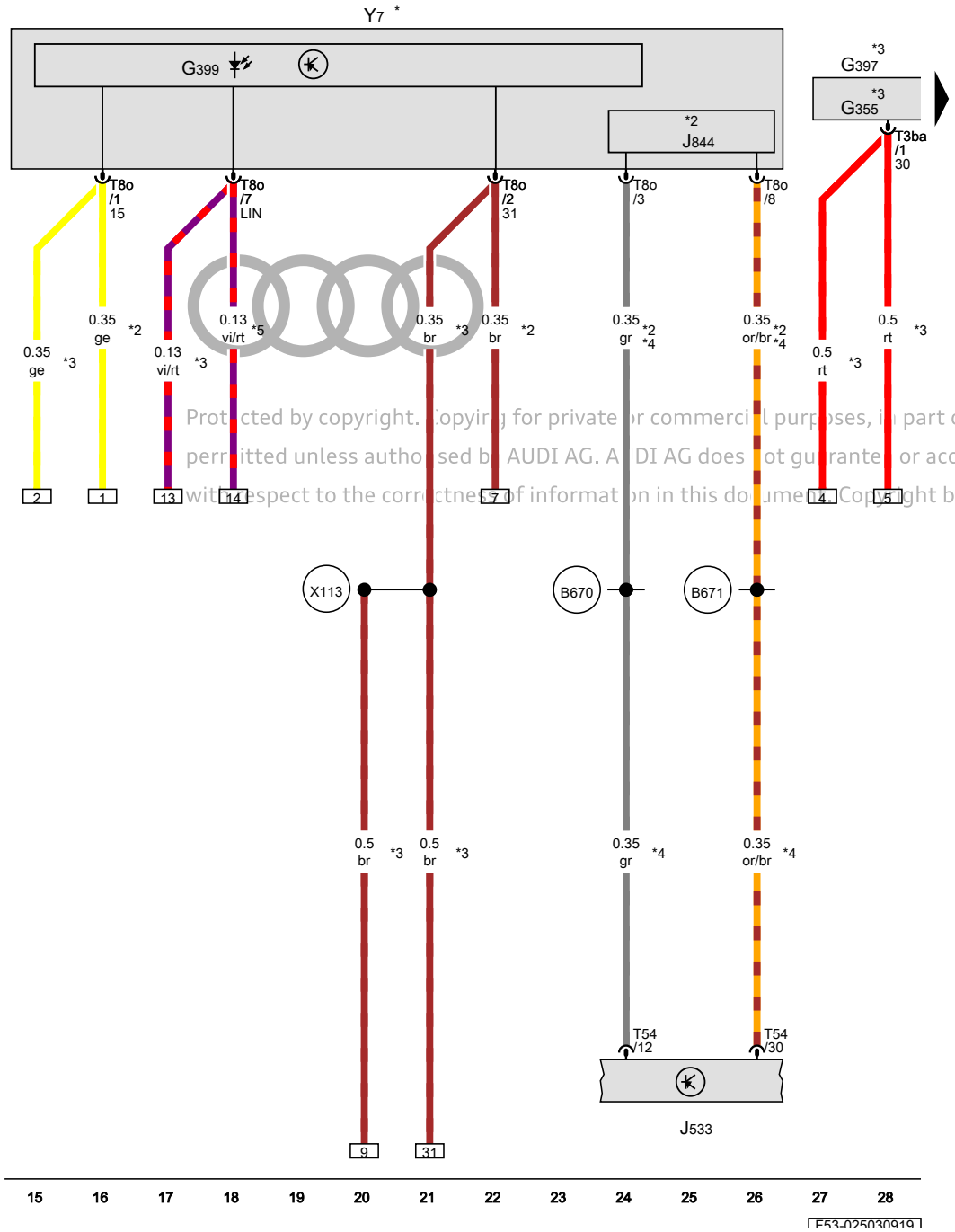


ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, Fuse 1 on fuse holder B

J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
ST4	Fuse carrier 4, black
SB12	Fuse 12 on fuse holder B
T8y	8-pin connector, black
T8yx	8-pin connector, black
T73a	73-pin connector, black
TH	Coupling point for roof
395	Earth connection 30, in main wiring harness
602	Earth point, in front left footwell
B282	Positive connection 6 (15a) in main wiring harness
B549	Connection 2 (LIN bus) in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	Cross section depends on equipment
*4	For models with no main beam assist
*5	For models with main beam assist



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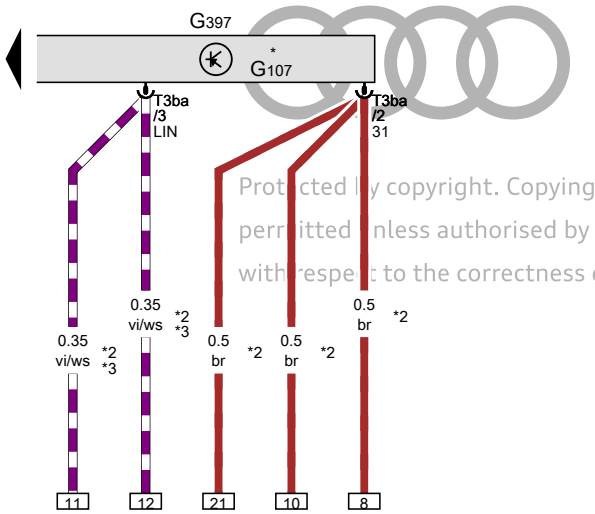
Rain and light sensor, Data bus diagnostic interface, Automatic anti-dazzle interior mirror

G355	Humidity sender
G397	Rain and light sensor
G399	Light sensor
J533	Data bus diagnostic interface
J844	Main beam assist control unit
T3ba	3-pin connector, black
T8o	8-pin connector, black
T54	54-pin connector, black
Y7	Automatic anti-dazzle interior mirror
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
X113	Connection (interior mirror, negative), in optional equipment wiring harness
*	Pre-wired component
*2	For models with main beam assist
*3	According to equipment
*4	Cross section depends on equipment
*5	For models with no main beam assist

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Rain and light sensor

G107	Sunlight penetration photosensor
G397	Rain and light sensor
T3ba	3-pin connector, black
*	From June 2016
*2	According to equipment
*3	Cross section depends on equipment

29 30 31 32 33 34 35 36 37 38 39 40 41 42

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Air conditioning system , (9AK)

From July 2016

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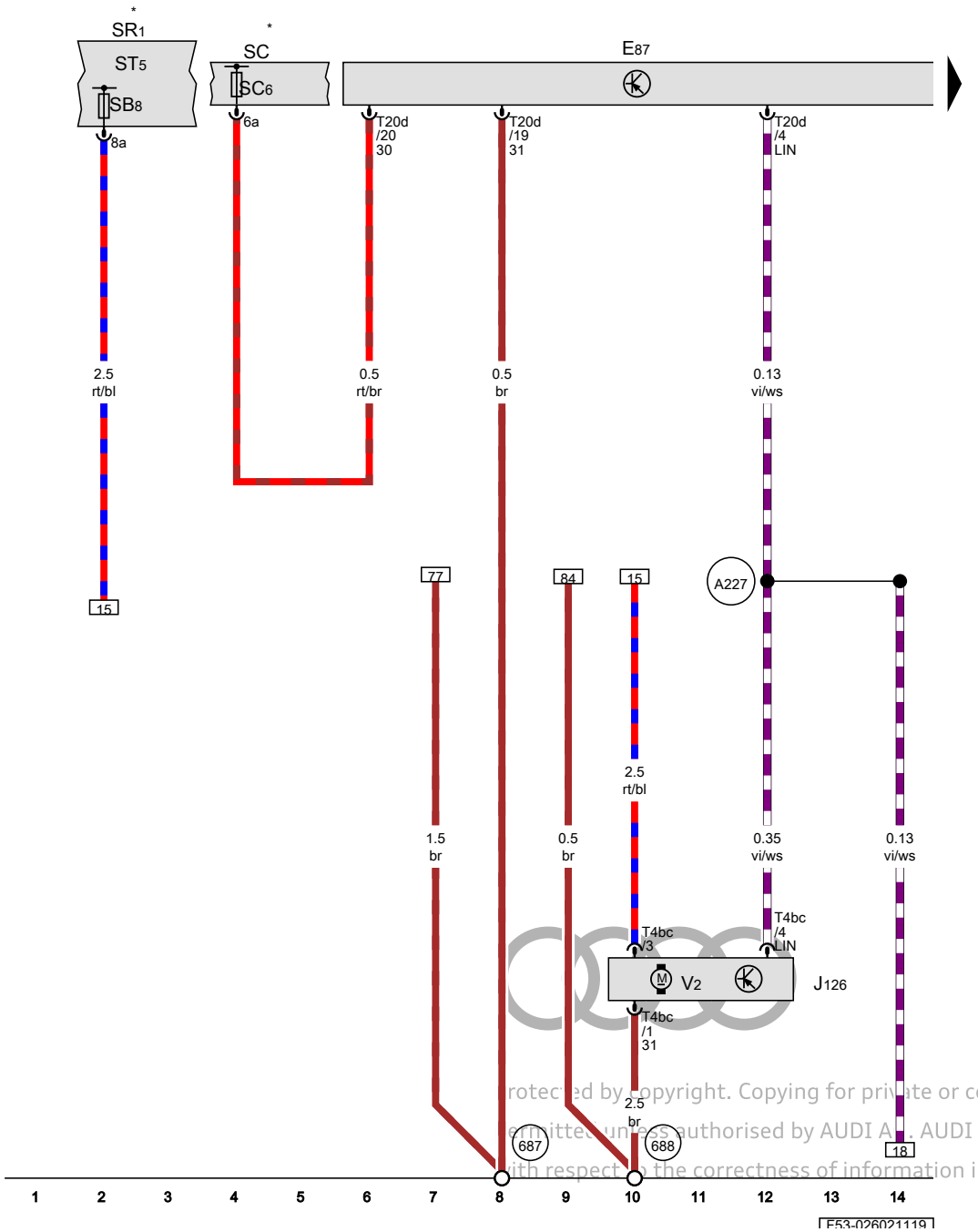

Operating and display unit for front air conditioning system, Fresh air blower control unit, Fresh air blower

E87	Operating and display unit for front air conditioning system
J126	Fresh air blower control unit
SC	Fuse holder C
SR1	Relay and fuse carrier 1
ST5	Fuse carrier 5, red
SC6	Fuse 6 on fuse holder C
SB8	Fuse 8 on fuse holder B
T4bc	4-pin connector, black
T20d	20-pin connector, black
V2	Fresh air blower
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A227	Connection 2 (LIN bus) in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
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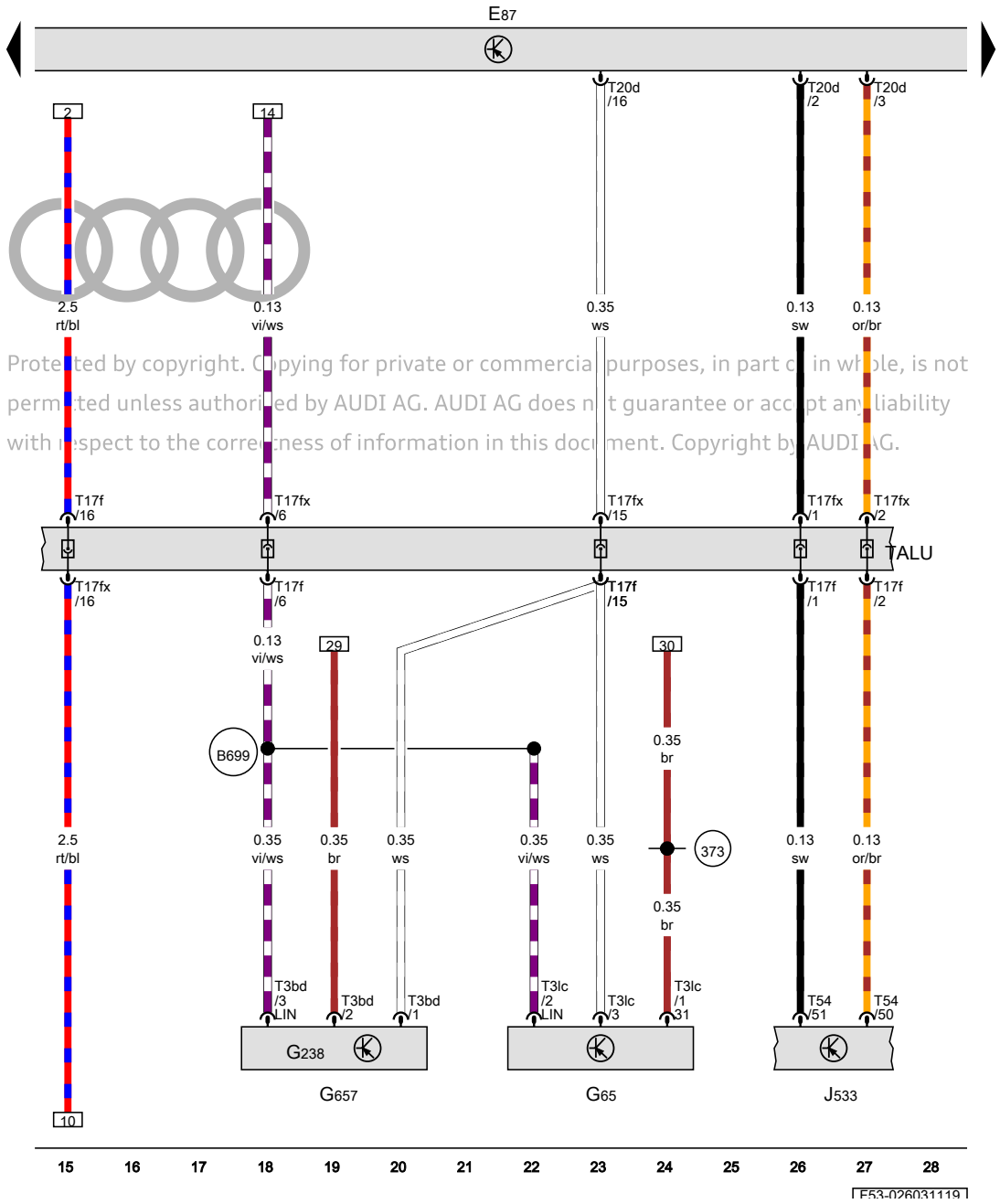

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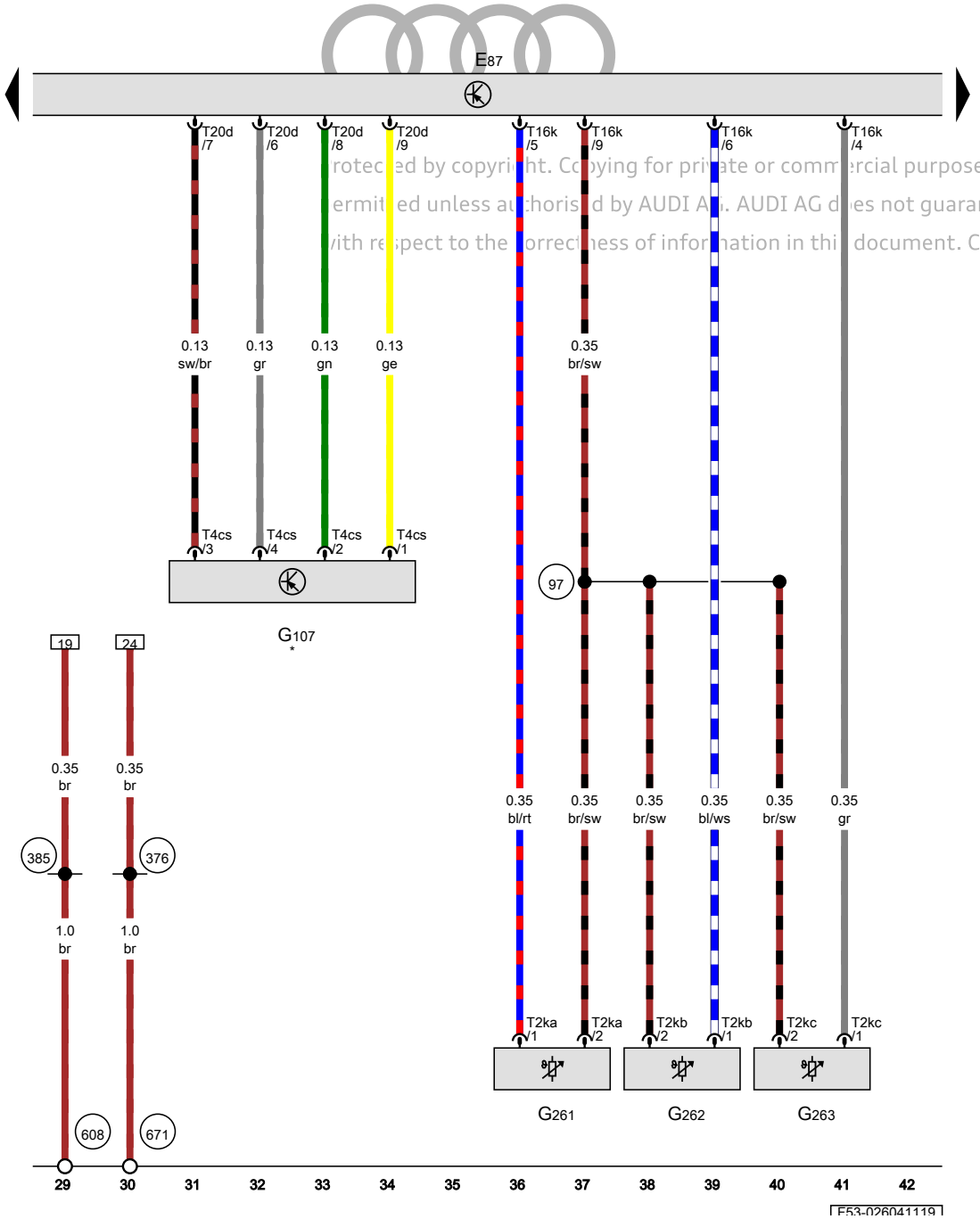
Operating and display unit for front air conditioning system, High-pressure sender, Air quality sensor, Humidity sender in fresh air intake duct, Data bus diagnostic interface

E87	Operating and display unit for front air conditioning system
G65	High-pressure sender
G238	Air quality sensor
G657	Humidity sender in fresh air intake duct
J533	Data bus diagnostic interface
T3bd	3-pin connector, black
T3lc	3-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T20d	20-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
373	Earth connection 8, in main wiring harness
B699	Connection 4 (LIN bus) in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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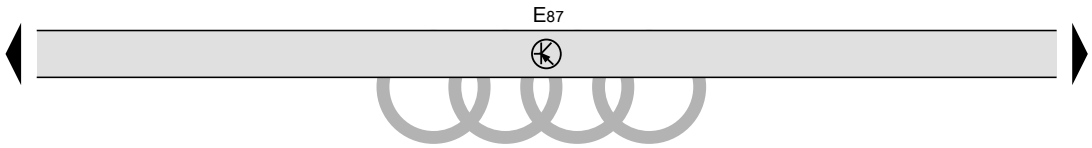
Operating and display unit for front air conditioning system, Sunlight penetration photosensor, Left footwell vent temperature sender, Right footwell vent temperature sender, Evaporator output temperature sender

E87	Operating and display unit for front air conditioning system
G107	Sunlight penetration photosensor
G261	Left footwell vent temperature sender
G262	Right footwell vent temperature sender
G263	Evaporator output temperature sender
T2ka	2-pin connector, black
T2kb	2-pin connector, black
T2kc	2-pin connector, black
T4cs	4-pin connector, black
T16k	16-pin connector, black
T20d	20-pin connector, black
97	Earth connection 1, in air conditioning system wiring harness
376	Earth connection 11, in main wiring harness
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
671	Earth point 1, on front of left longitudinal member
*	Up to May 2016

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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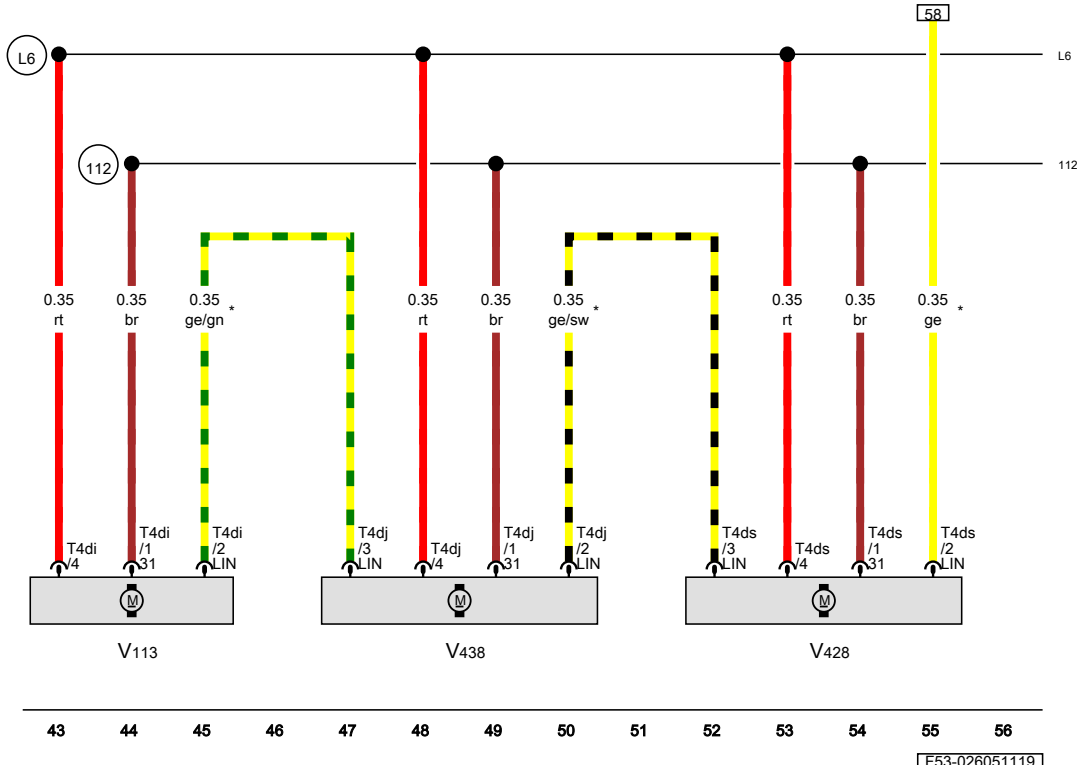
Operating and display unit for front air conditioning system, Air recirculation flap control motor, Air distribution flap control motor, Fresh air flap control motor

E87	Operating and display unit for front air conditioning system
T4di	4-pin connector, black
T4dj	4-pin connector, black
T4ds	4-pin connector, black
V113	Air recirculation flap control motor
V428	Air distribution flap control motor
V438	Fresh air flap control motor
112	Earth connection 2, in air conditioning system wiring harness
L6	Connection 2, in evaporator housing unit wiring harness
*	Wiring colour depends on equipment



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rt	=	red
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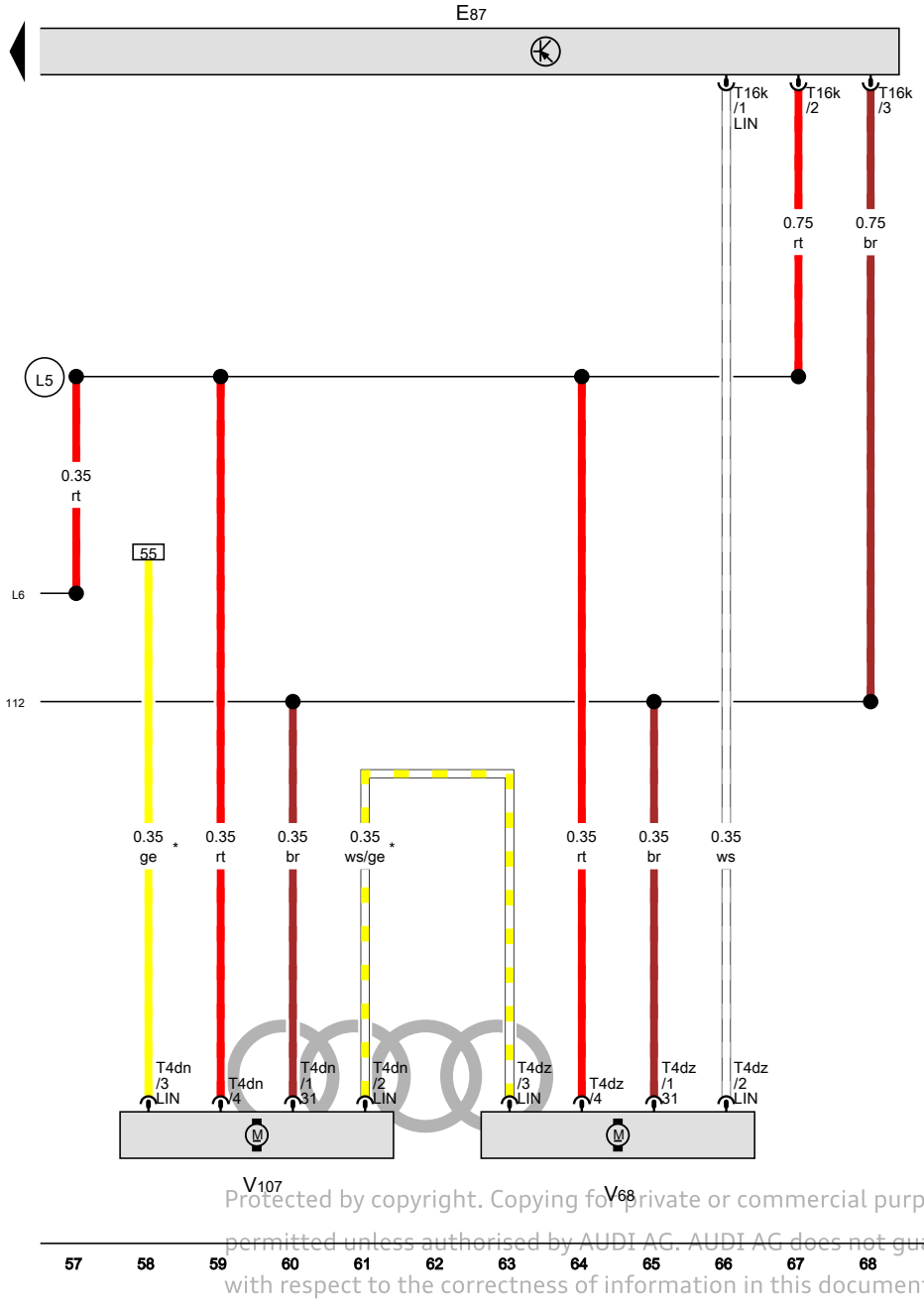
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for front air conditioning system, Temperature flap control motor, Defroster flap control motor

E87	Operating and display unit for front air conditioning system
T4dn	4-pin connector, black
T4dz	4-pin connector, black
T16k	16-pin connector, black
V68	Temperature flap control motor
V107	Defroster flap control motor
112	Earth connection 2, in air conditioning system wiring harness
L5	Connection 1, in evaporator housing unit wiring harness
L6	Connection 2, in evaporator housing unit wiring harness
*	Wiring colour depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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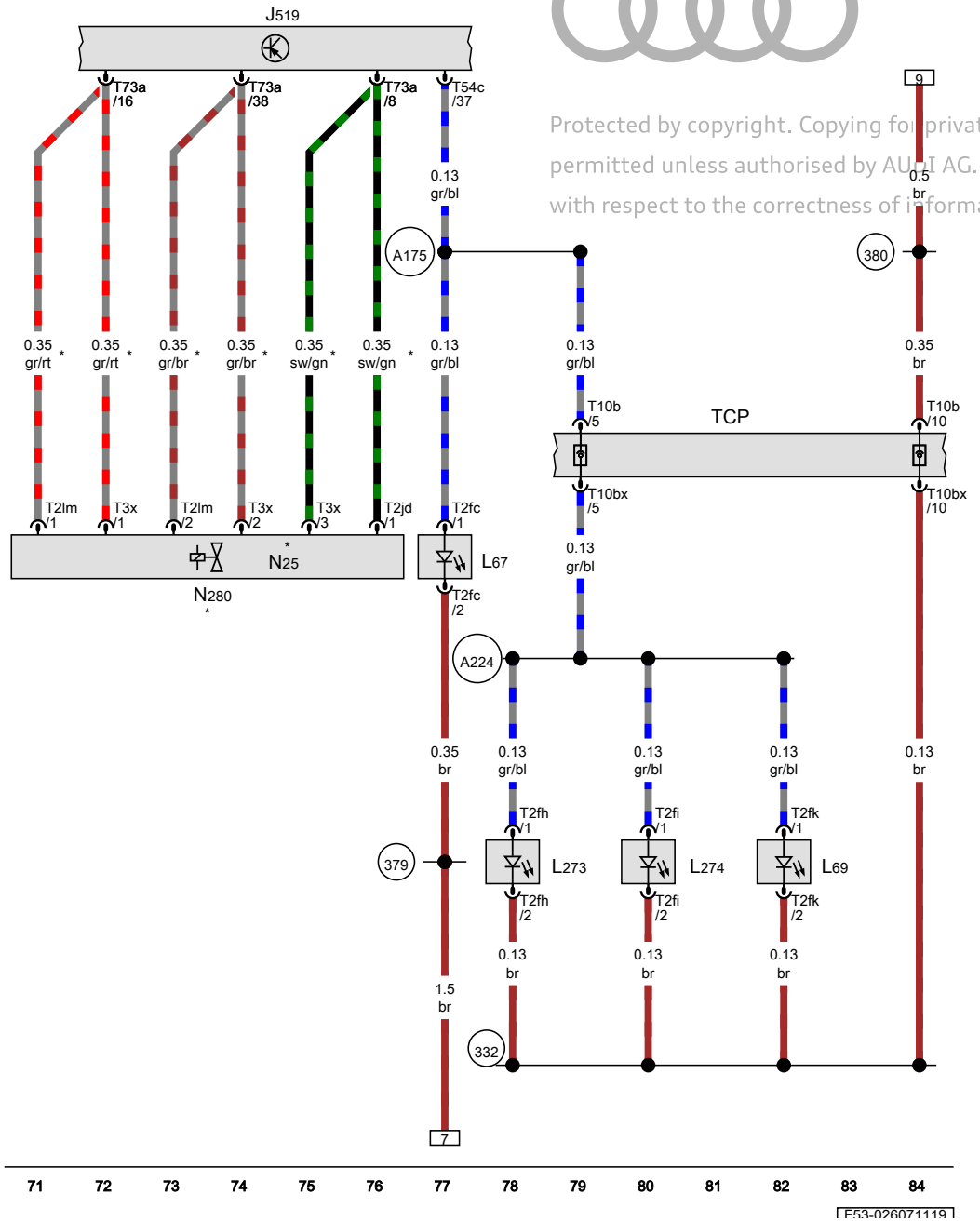

Onboard supply control unit, Dash panel left vent illumination bulb, Dash panel right vent illumination bulb, Light for left air vent illumination, Light for right air vent illumination, Air conditioning system magnetic clutch, Air conditioner compressor regulating valve

J519	Onboard supply control unit
L67	Dash panel left vent illumination bulb
L69	Dash panel right vent illumination bulb
L273	Light for left air vent illumination
L274	Light for right air vent illumination
N25	Air conditioning system magnetic clutch
N280	Air conditioner compressor regulating valve
T2fc	2-pin connector, black
T2fh	2-pin connector, black
T2fi	2-pin connector, black
T2fk	2-pin connector, black
T2jd	2-pin connector, brown
T2lm	2-pin connector, black
T3x	3-pin connector, black
T10b	10-pin connector, black
T10bx	10-pin connector, black
T54c	54-pin connector, black
T73a	73-pin connector, black
TCP	Coupling point on dash panel
332	Earth connection 4, in dash panel wiring harness
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
A175	Connection (58s), in dash panel wiring harness
A224	Positive connection 2 (58), in dash panel wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Air conditioning system , (9AQ)

From July 2016

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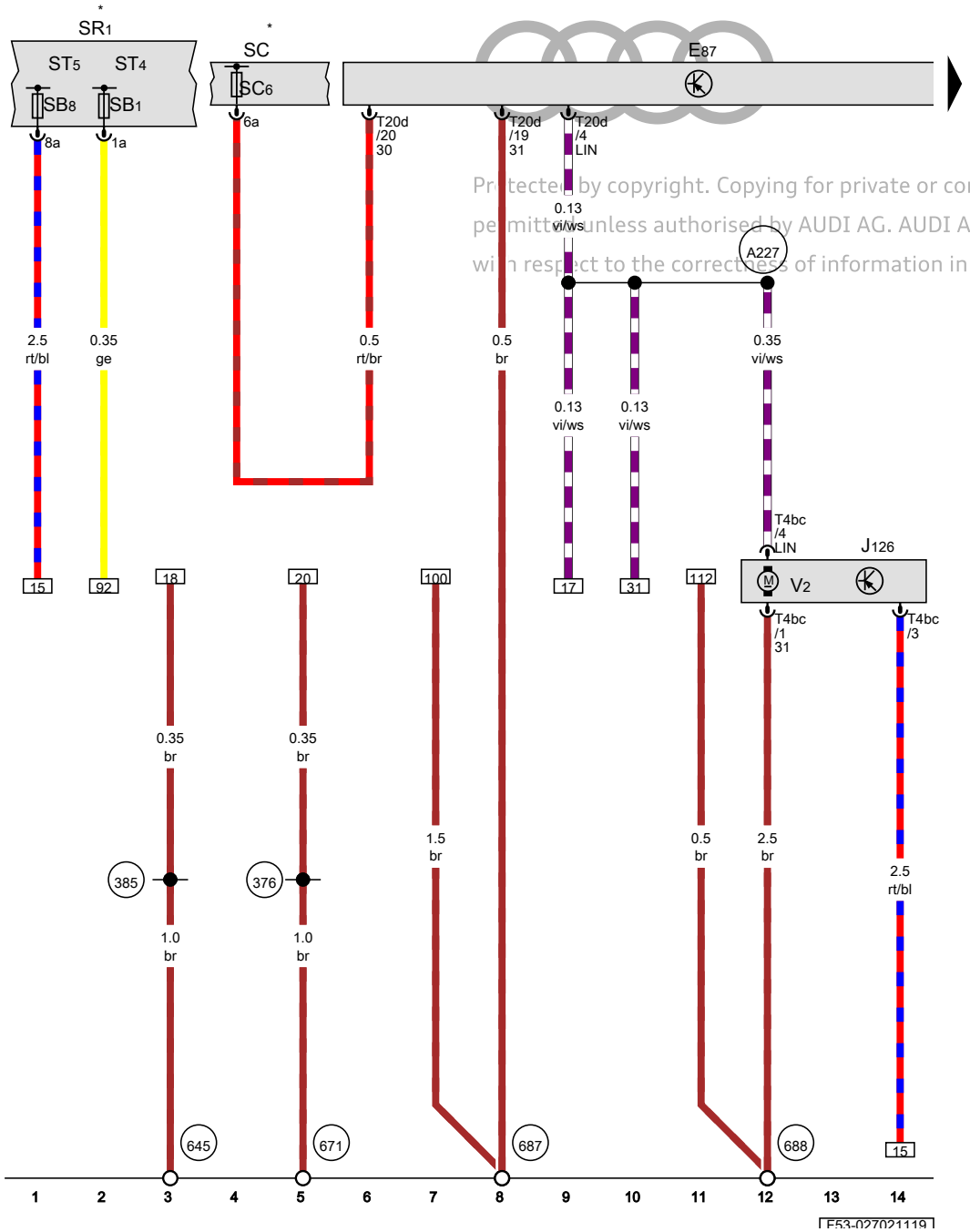

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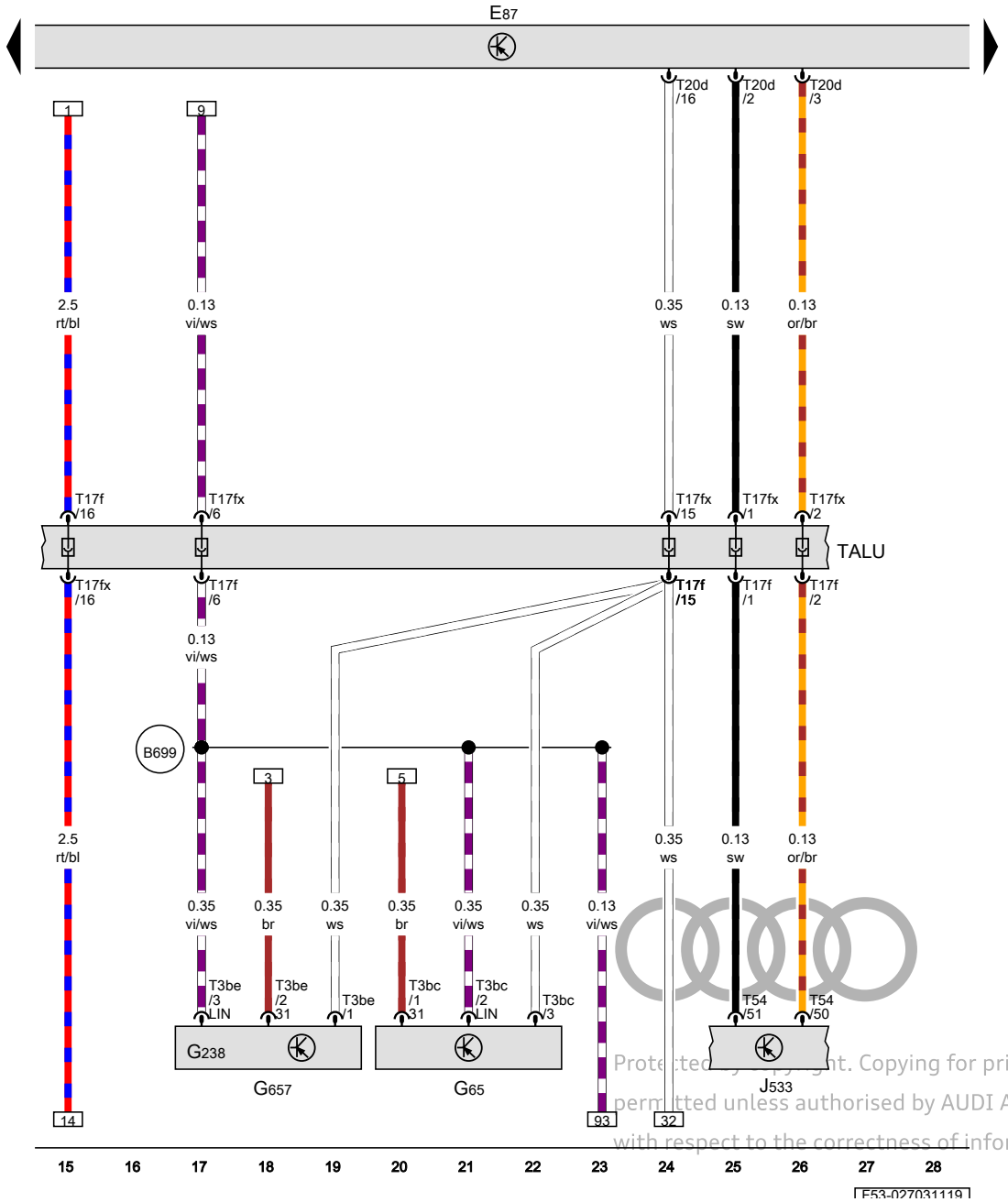
Operating and display unit for front air conditioning system, Fresh air blower control unit, Fresh air blower

E87	Operating and display unit for front air conditioning system
J126	Fresh air blower control unit
SC	Fuse holder C
SR1	Relay and fuse carrier 1
SB1	Fuse 1 on fuse holder B
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5, red
SC6	Fuse 6 on fuse holder C
SB8	Fuse 8 on fuse holder B
T4bc	4-pin connector, black
T20d	20-pin connector, black
V2	Fresh air blower
376	Earth connection 11, in main wiring harness
385	Earth connection 20, in main wiring harness
645	Earth point 1, on bulkhead
671	Earth point 1, on front of left longitudinal member
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A227	Connection 2 (LIN bus) in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for front air conditioning system, High-pressure sender, Air quality sensor, Humidity sender in fresh air intake duct, Data bus diagnostic interface

E87	Operating and display unit for front air conditioning system
G65	High-pressure sender
G238	Air quality sensor
G657	Humidity sender in fresh air intake duct
J533	Data bus diagnostic interface
T3bc	3-pin connector, black
T3be	3-pin connector, brown
T17f	17-pin connector, red
T17fx	17-pin connector, red
T20d	20-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
B699	Connection 4 (LIN bus) in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
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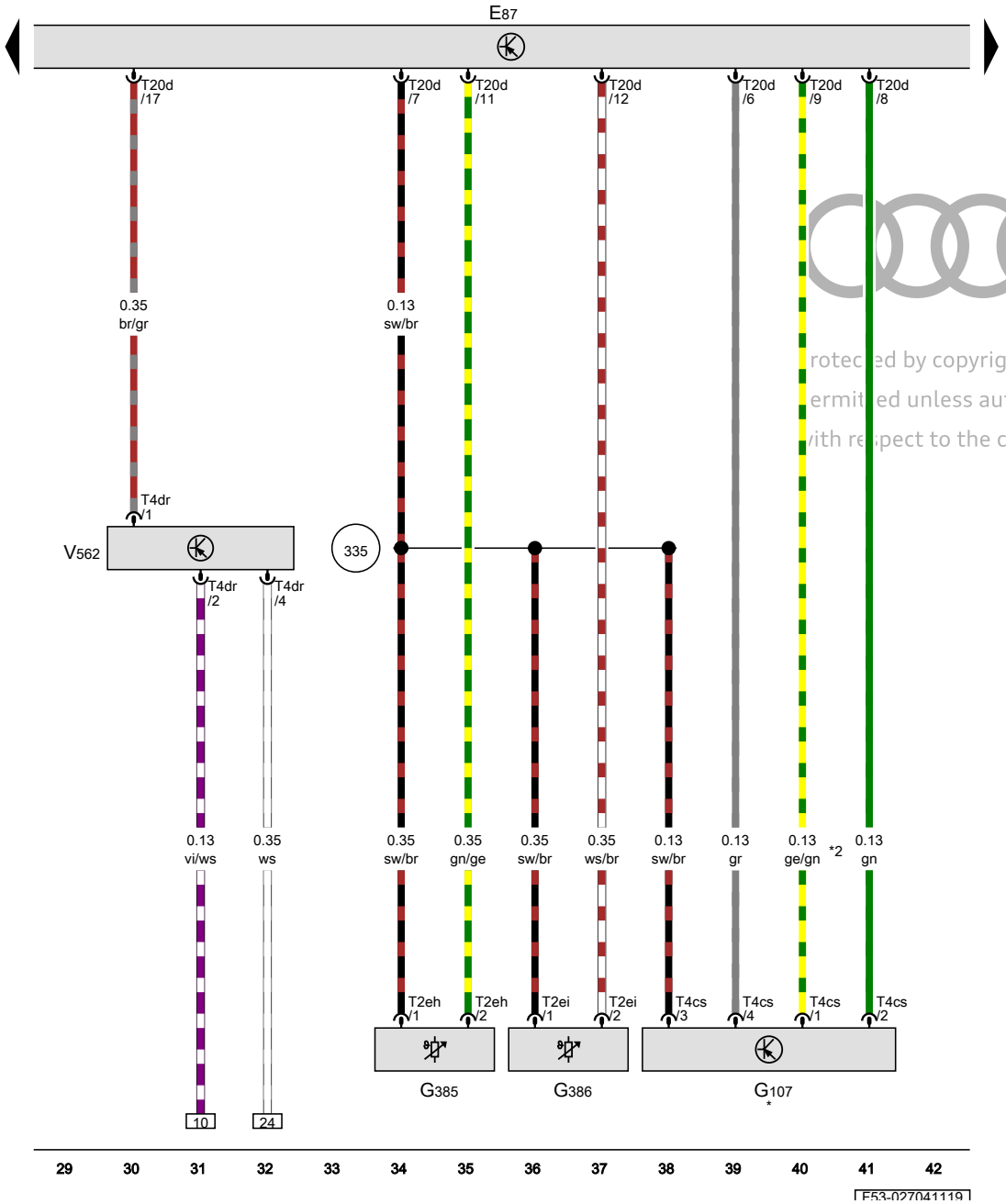

Operating and display unit for front air conditioning system, Sunlight penetration photosensor, Front left chest vent temperature sensor, Front right chest vent temperature sensor

E87	Operating and display unit for front air conditioning system
G107	Sunlight penetration photosensor
G385	Front left chest vent temperature sensor
G386	Front right chest vent temperature sensor
T2eh	2-pin connector, black
T2ei	2-pin connector, black
T4cs	4-pin connector, black
T4dr	4-pin connector, black
T20d	20-pin connector, black
V562	Dash panel vent control motor
335	Earth connection 5, in dash panel wiring harness
*	Up to May 2016
*2	Different wire colour possible

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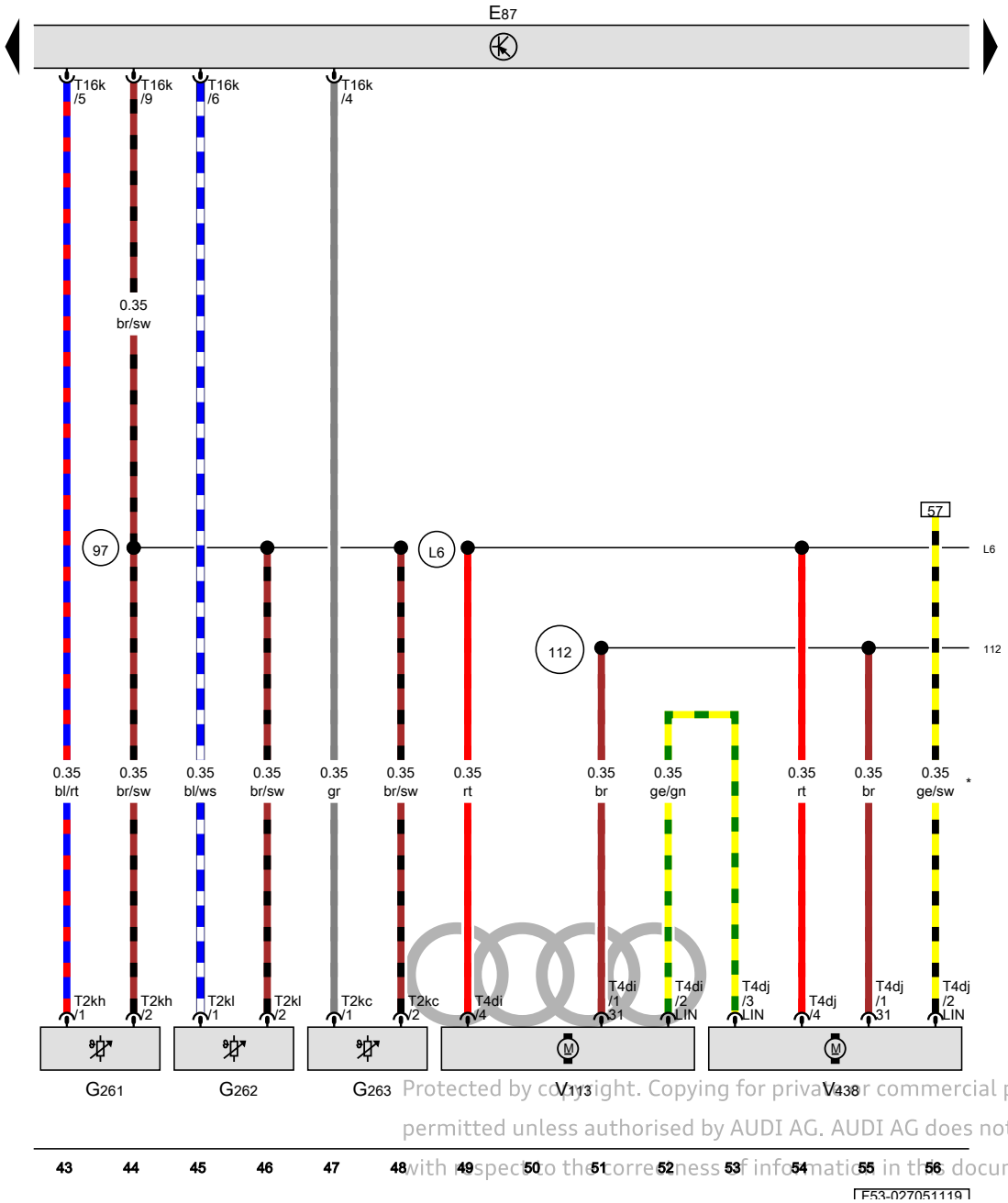
or	=	orange
rs	=	pink



Operating and display unit for front air conditioning system, Left footwell vent temperature sender, Right footwell vent temperature sender, Evaporator output temperature sender, Air recirculation flap control motor, Fresh air flap control motor

E87	Operating and display unit for front air conditioning system
G261	Left footwell vent temperature sender
G262	Right footwell vent temperature sender
G263	Evaporator output temperature sender
T2kc	2-pin connector, black
T2kh	2-pin connector, black
T2kl	2-pin connector, black
T4di	4-pin connector, black
T4dj	4-pin connector, black
T16k	16-pin connector, black
V113	Air recirculation flap control motor
V438	Fresh air flap control motor
97	Earth connection 1, in air conditioning system wiring harness
112	Earth connection 2, in air conditioning system wiring harness
L6	Connection 2, in evaporator housing unit wiring harness
*	Wiring colour depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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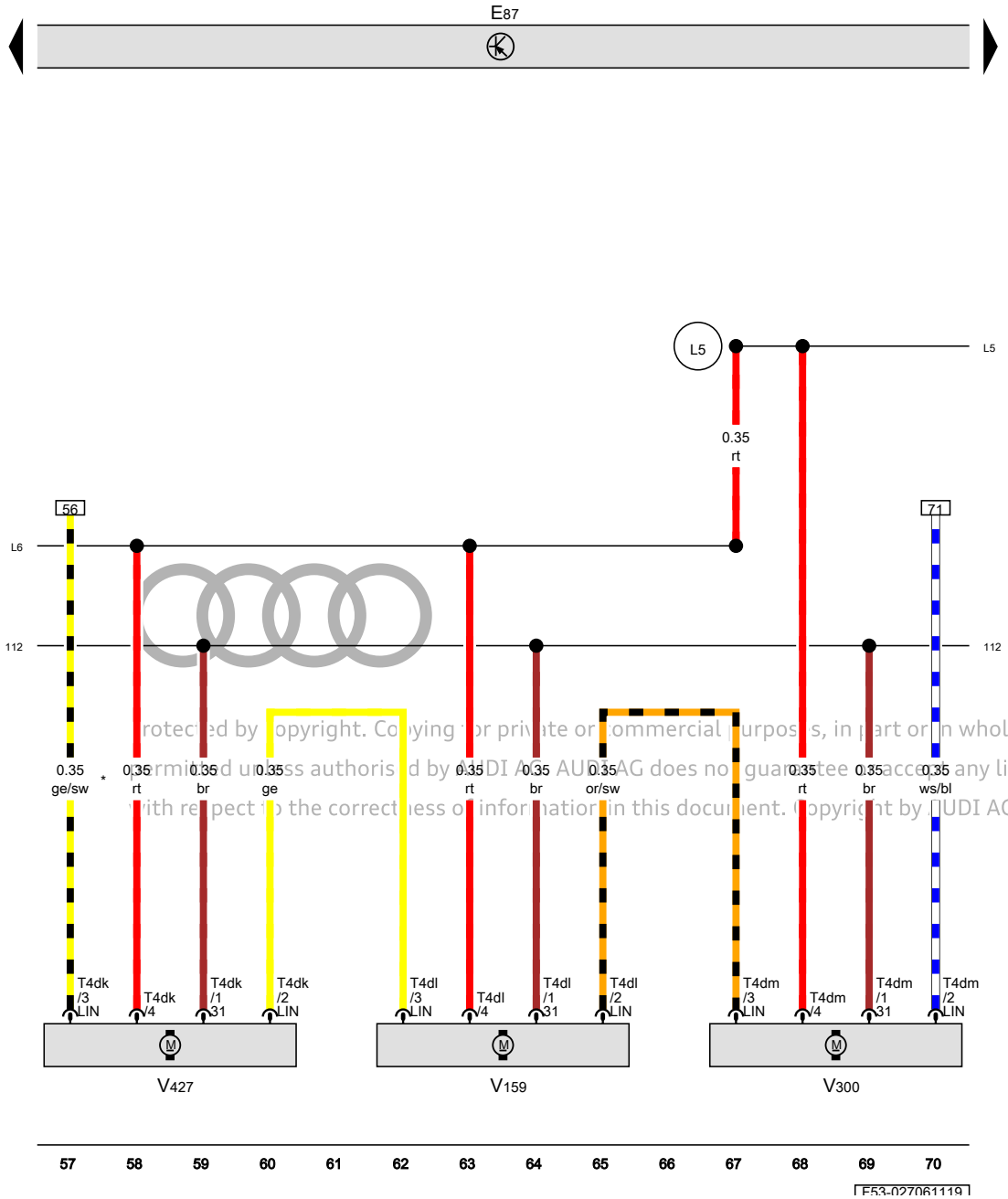
Operating and display unit for front air conditioning system, Right temperature flap control motor, Right side vent control motor, Rear air distribution flap control motor

E87	Operating and display unit for front air conditioning system
T4dk	4-pin connector, black
T4dl	4-pin connector, black
T4dm	4-pin connector, black
V159	Right temperature flap control motor
V300	Right side vent control motor
V427	Rear air distribution flap control motor
112	Earth connection 2, in air conditioning system wiring harness
L5	Connection 1, in evaporator housing unit wiring harness
L6	Connection 2, in evaporator housing unit wiring harness
*	Wiring colour depends on equipment



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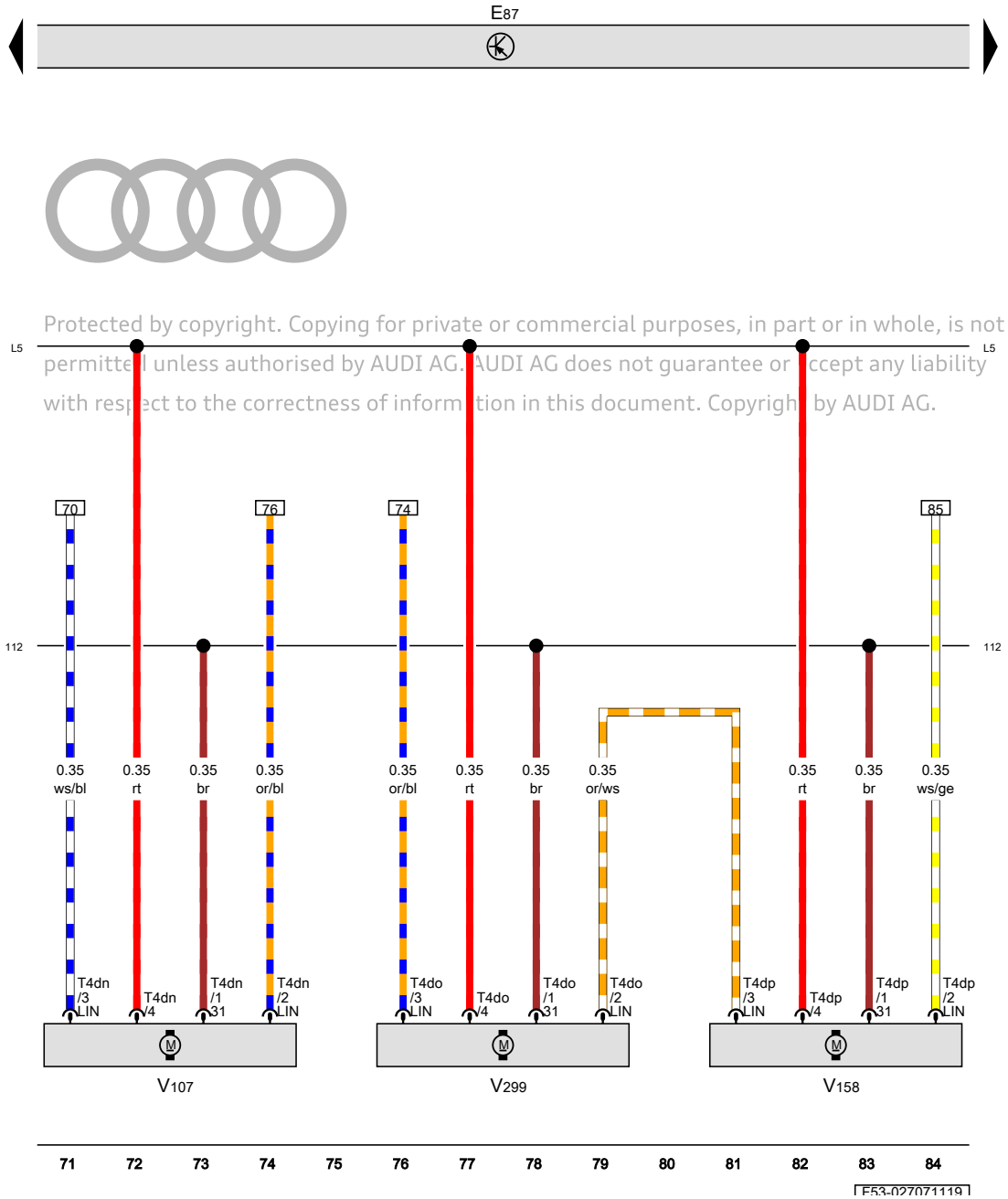
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Operating and display unit for front air conditioning system, Defroster flap control motor, Left temperature flap control motor, Left side vent control motor

E87	Operating and display unit for front air conditioning system
T4dn	4-pin connector, black
T4do	4-pin connector, black
T4dp	4-pin connector, black
V107	Defroster flap control motor
V158	Left temperature flap control motor
V299	Left side vent control motor
112	Earth connection 2, in air conditioning system wiring harness
L5	Connection 1, in evaporator housing unit wiring harness



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

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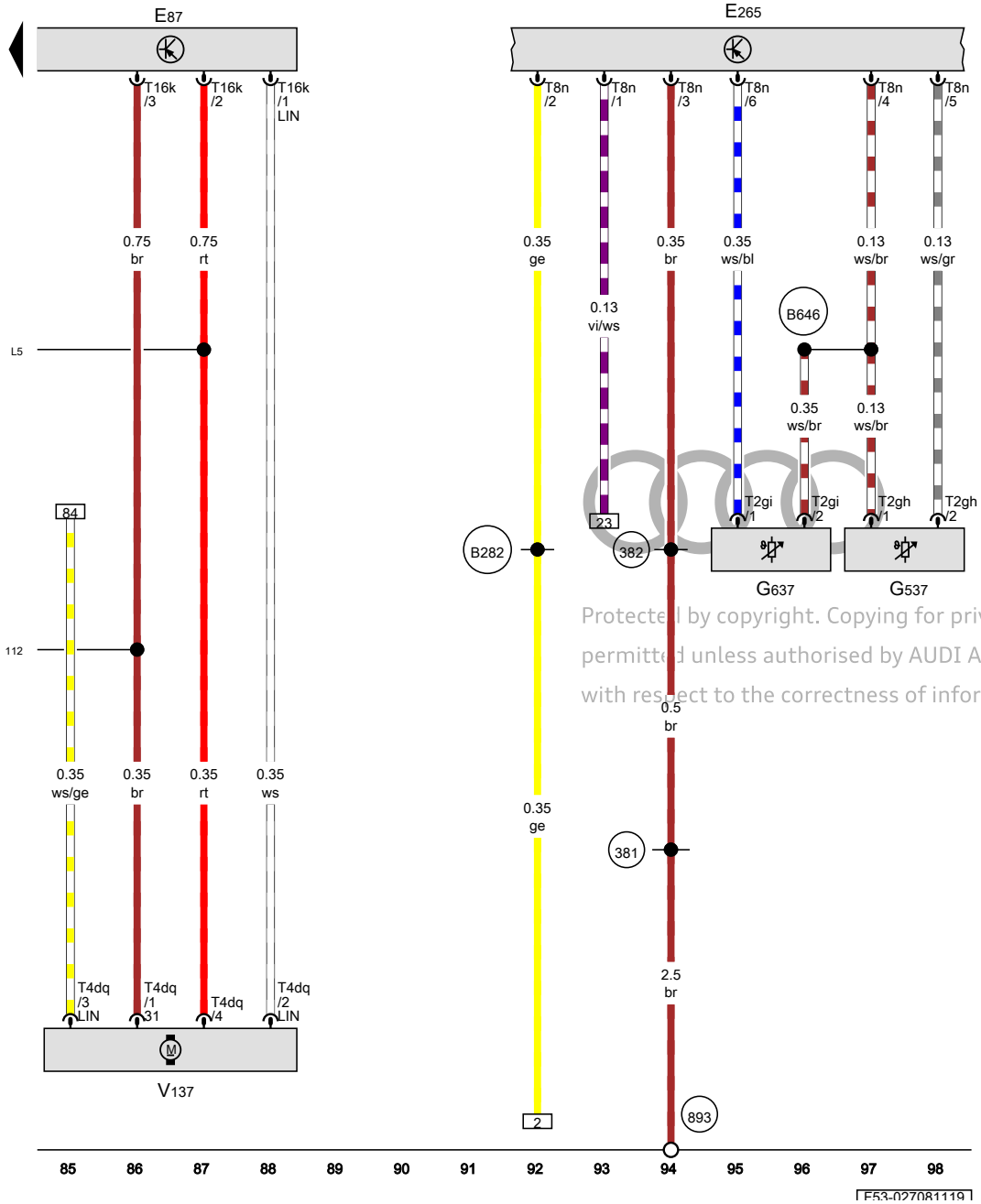

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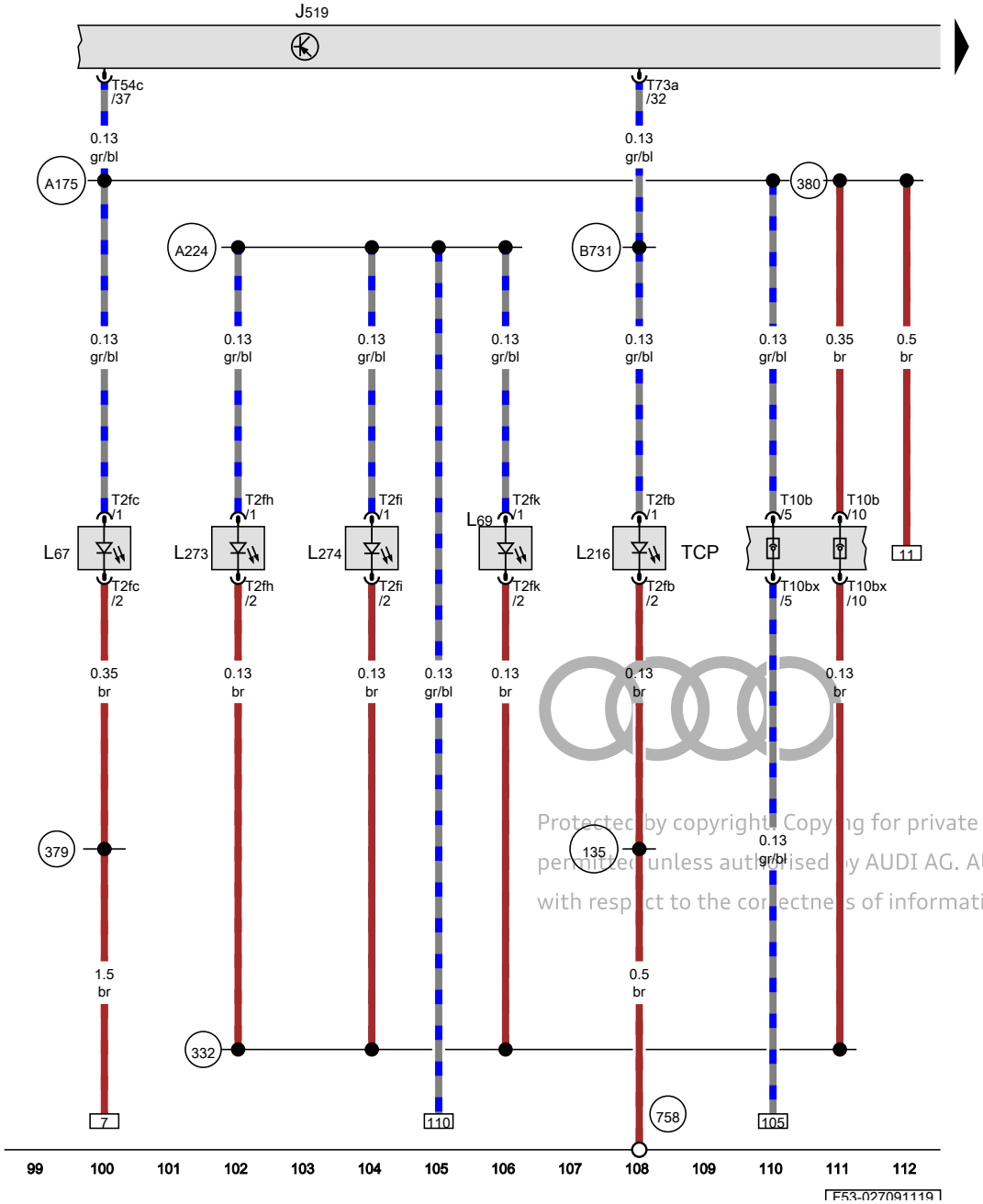
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Operating and display unit for front air conditioning system, Operating and display unit for rear air conditioning system, Rear chest vent temperature sensor, Rear temperature flap control motor

E87	Operating and display unit for front air conditioning system
E265	Operating and display unit for rear air conditioning system
G537	Rear chest vent temperature sensor
G637	Vent temperature sender for rear left footwell
T2gh	2-pin connector, black
T2gi	2-pin connector, black
T4dq	4-pin connector, black
T8n	8-pin connector, black
T16k	16-pin connector, black
V137	Rear temperature flap control motor
112	Earth connection 2, in air conditioning system wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
B282	Positive connection 6 (15a) in main wiring harness
B646	Connection 3 (seat heating), in main wiring harness
L5	Connection 1, in evaporator housing unit wiring harness



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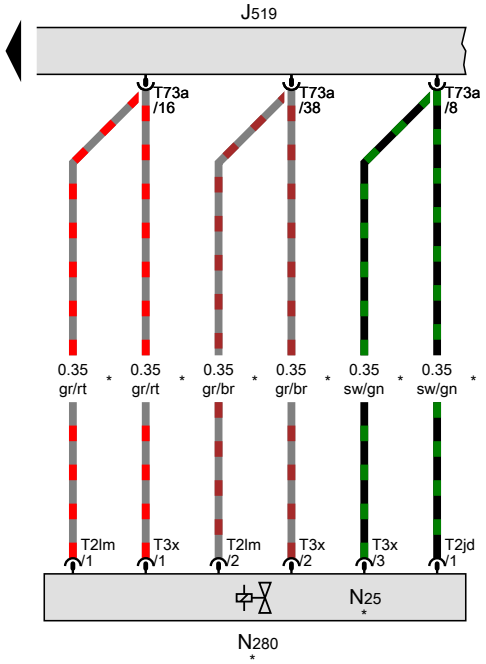
Onboard supply control unit, Dash panel left vent illumination bulb, Light for left air vent illumination, Light for right air vent illumination

J519	Onboard supply control unit
L67	Dash panel left vent illumination bulb
L69	Dash panel right vent illumination bulb
L216	Rear vent illumination bulb
L273	Light for left air vent illumination
L274	Light for right air vent illumination
T2fb	2-pin connector, black
T2fc	2-pin connector, black
T2fh	2-pin connector, black
T2fi	2-pin connector, black
T2fk	2-pin connector, black
T10b	10-pin connector, black
T10bx	10-pin connector, black
T54c	54-pin connector, black
T73a	73-pin connector, black
TCP	Coupling point on dash panel
135	Earth connection 2, in dash panel wiring harness
332	Earth connection 4, in dash panel wiring harness
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
758	Earth point 3, on centre tunnel
A175	Connection (58s), in dash panel wiring harness
A224	Positive connection 2 (58), in dash panel wiring harness
B731	Connection 1 (58s), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, Air conditioning system magnetic clutch, Air conditioner compressor regulating valve

J519	Onboard supply control unit
N25	Air conditioning system magnetic clutch
N280	Air conditioner compressor regulating valve
T2jd	2-pin connector, brown
T2lm	2-pin connector, black
T3x	3-pin connector, black
T73a	73-pin connector, black
*	According to equipment

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vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

113 114 115 116 117 118 119 120 121 122 123 124 125 126

F53-027101119

Rear parking aid (PDC) , (7X1)

From July 2016

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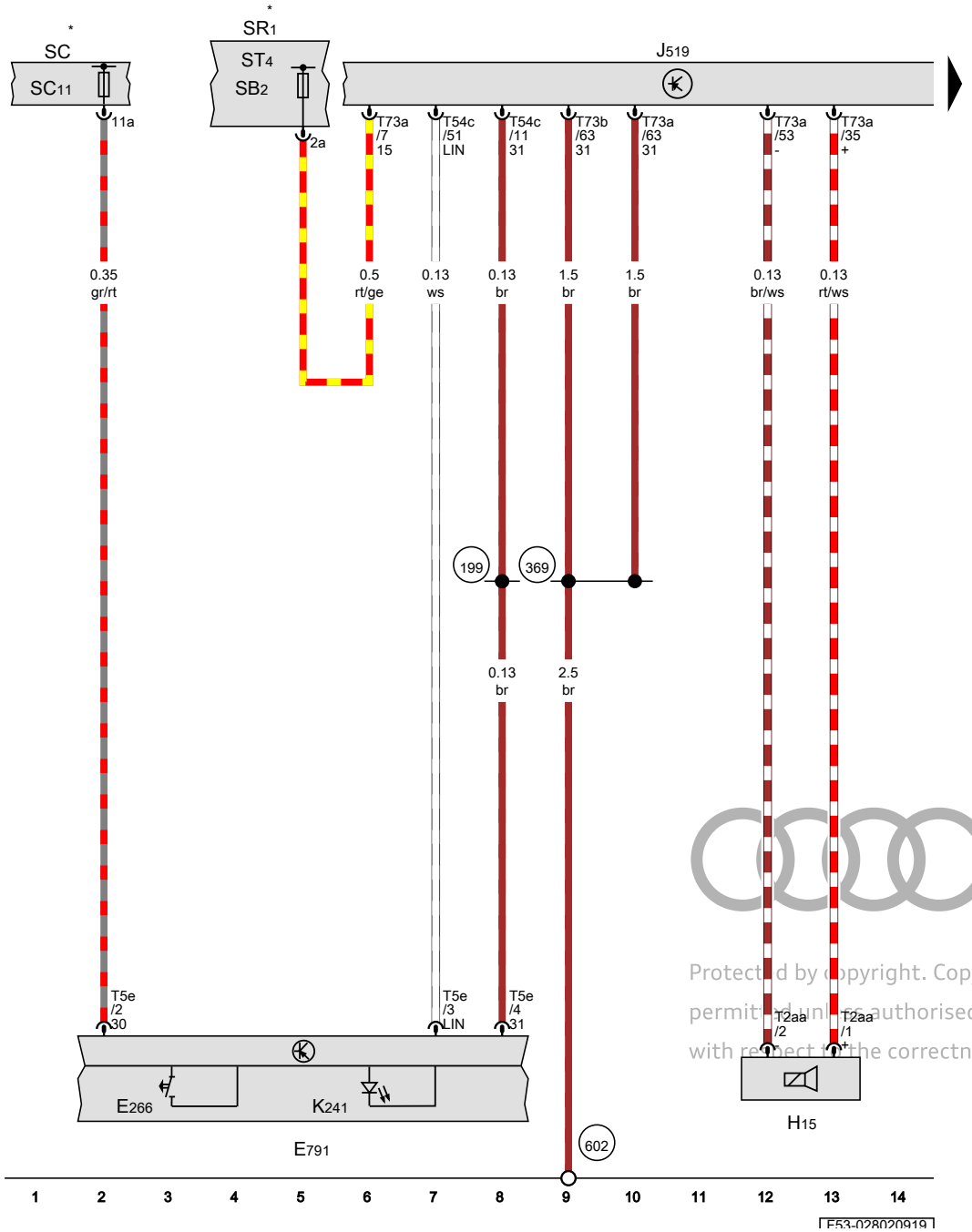

Parking aid button, Operating unit 1 for driver and convenience functions, Rear parking aid warning buzzer, Onboard supply control unit

E266	Parking aid button
E791	Operating unit 1 for driver and convenience functions
H15	Rear parking aid warning buzzer
J519	Onboard supply control unit
K241	Warning light for park assist steering
SB2	Fuse 2 on fuse holder B
SC	Fuse holder C
SR1	Relay and fuse carrier 1
ST4	Fuse carrier 4, black
SC11	Fuse 11 on fuse holder C
T2aa	2-pin connector, black
T5e	5-pin connector, brown
T54c	54-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
199	Earth connection 3, in dash panel wiring harness
369	Earth connection 4, in main wiring harness
602	Earth point, in front left footwell
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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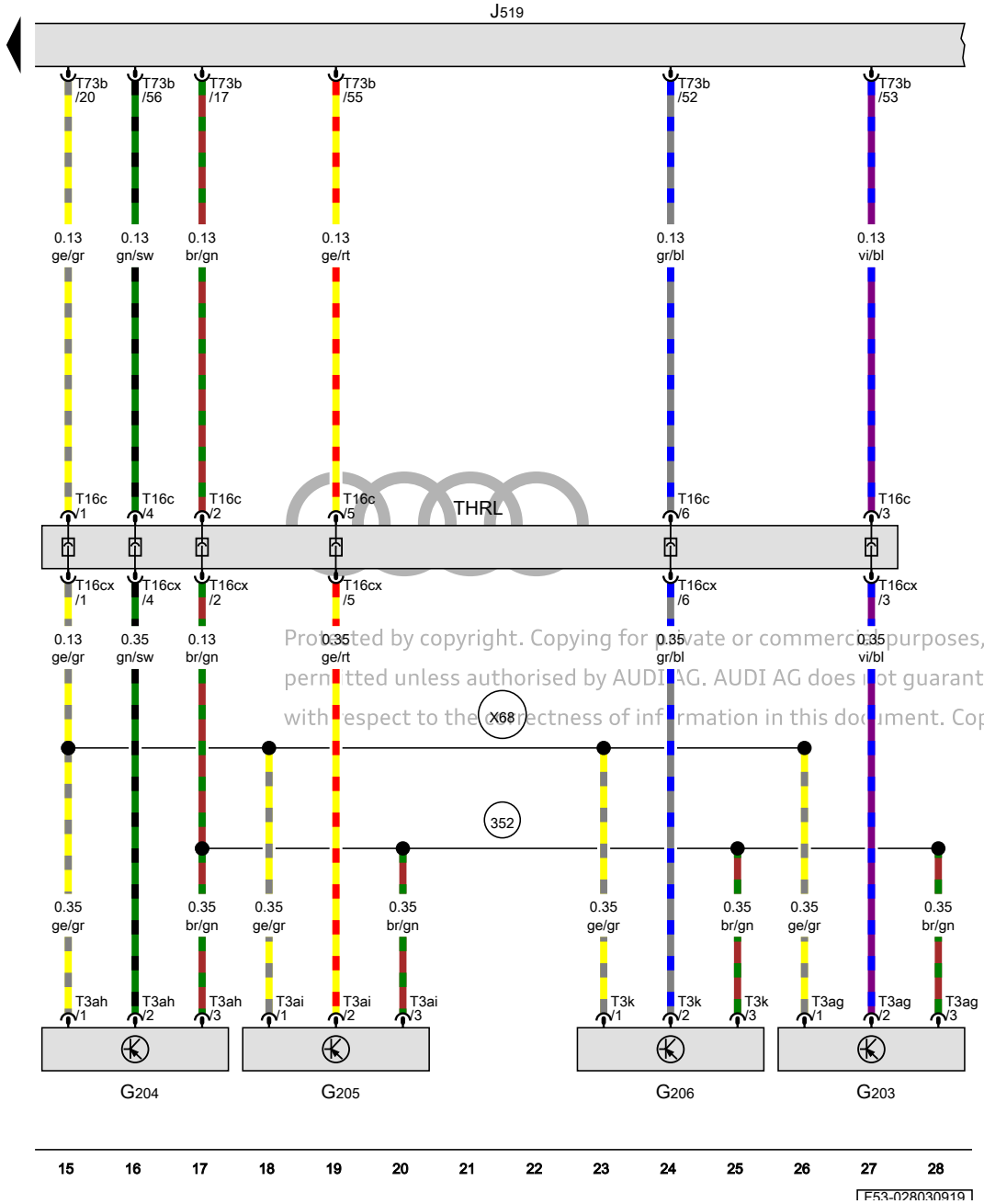
Rear left parking aid sender, Rear centre right parking aid sender, Onboard supply control unit

G203	Rear left parking aid sender
G204	Rear centre left parking aid sender
G205	Rear centre right parking aid sender
G206	Rear right parking aid sender
J519	Onboard supply control unit
T3ag	3-pin connector, black
T3ah	3-pin connector, black
T3ai	3-pin connector, black
T3k	3-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T73b	73-pin connector, black
THRL	Coupling point in luggage compartment, left
352	Earth connection (parking aid), in rear bumper wiring harness
X68	Positive connection (parking aid), in rear bumper wiring harness



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gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink

Front and rear parking aid (PDC) , (7X2)

From July 2016

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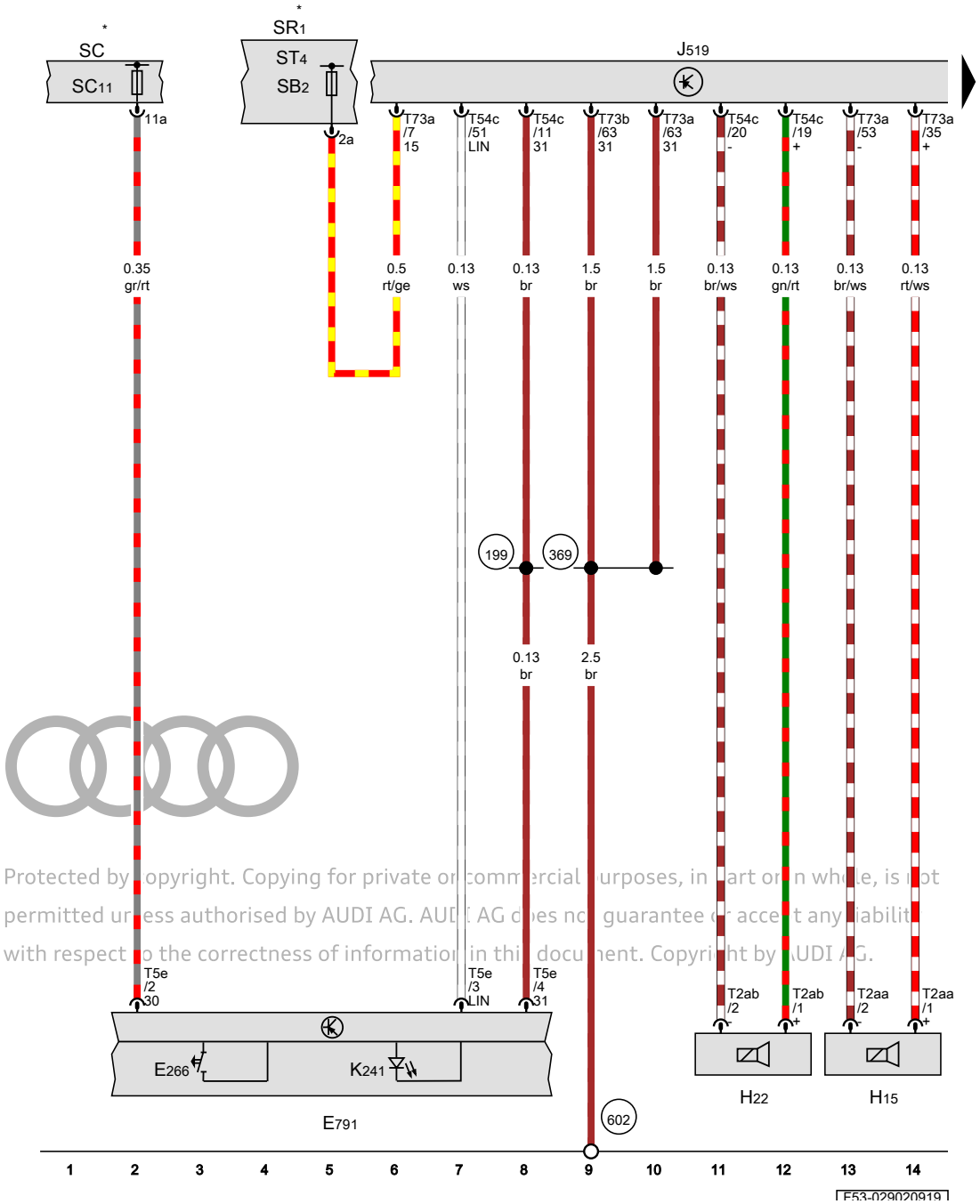

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li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Parking aid button, Operating unit 1 for driver and convenience functions, Rear parking aid warning buzzer, Front parking aid warning buzzer, Onboard supply control unit

E266	Parking aid button
E791	Operating unit 1 for driver and convenience functions
H15	Rear parking aid warning buzzer
H22	Front parking aid warning buzzer
J519	Onboard supply control unit
K241	Warning light for park assist steering
SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
SC	Fuse holder C
ST4	Fuse carrier 4, black
SC11	Fuse 11 on fuse holder C
T2aa	2-pin connector, black
T2ab	2-pin connector, black
T5e	5-pin connector, brown
T54c	54-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
199	Earth connection 3, in dash panel wiring harness
369	Earth connection 4, in main wiring harness
602	Earth point, in front left footwell
*	see applicable current flow diagram for fuse assignment

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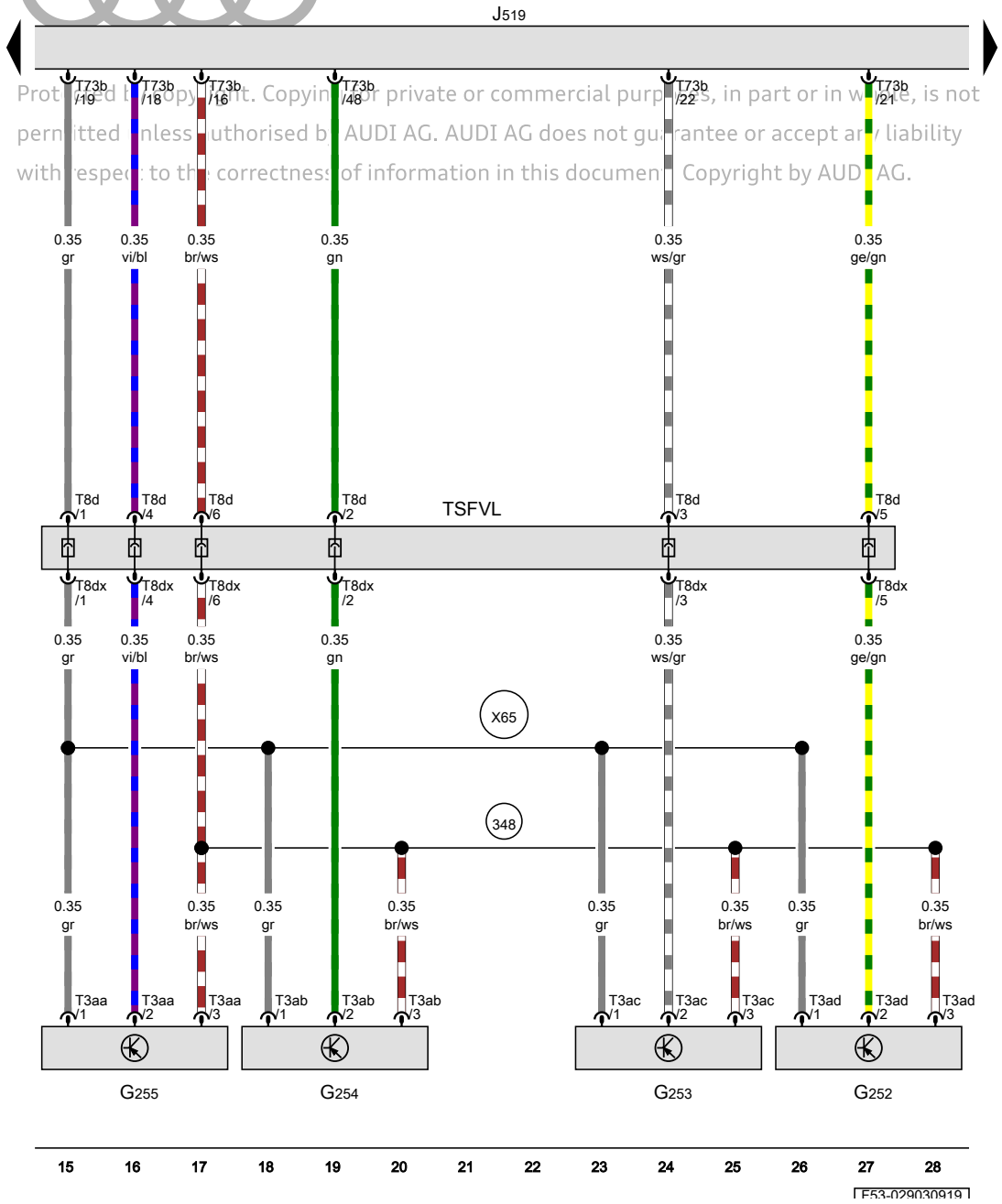
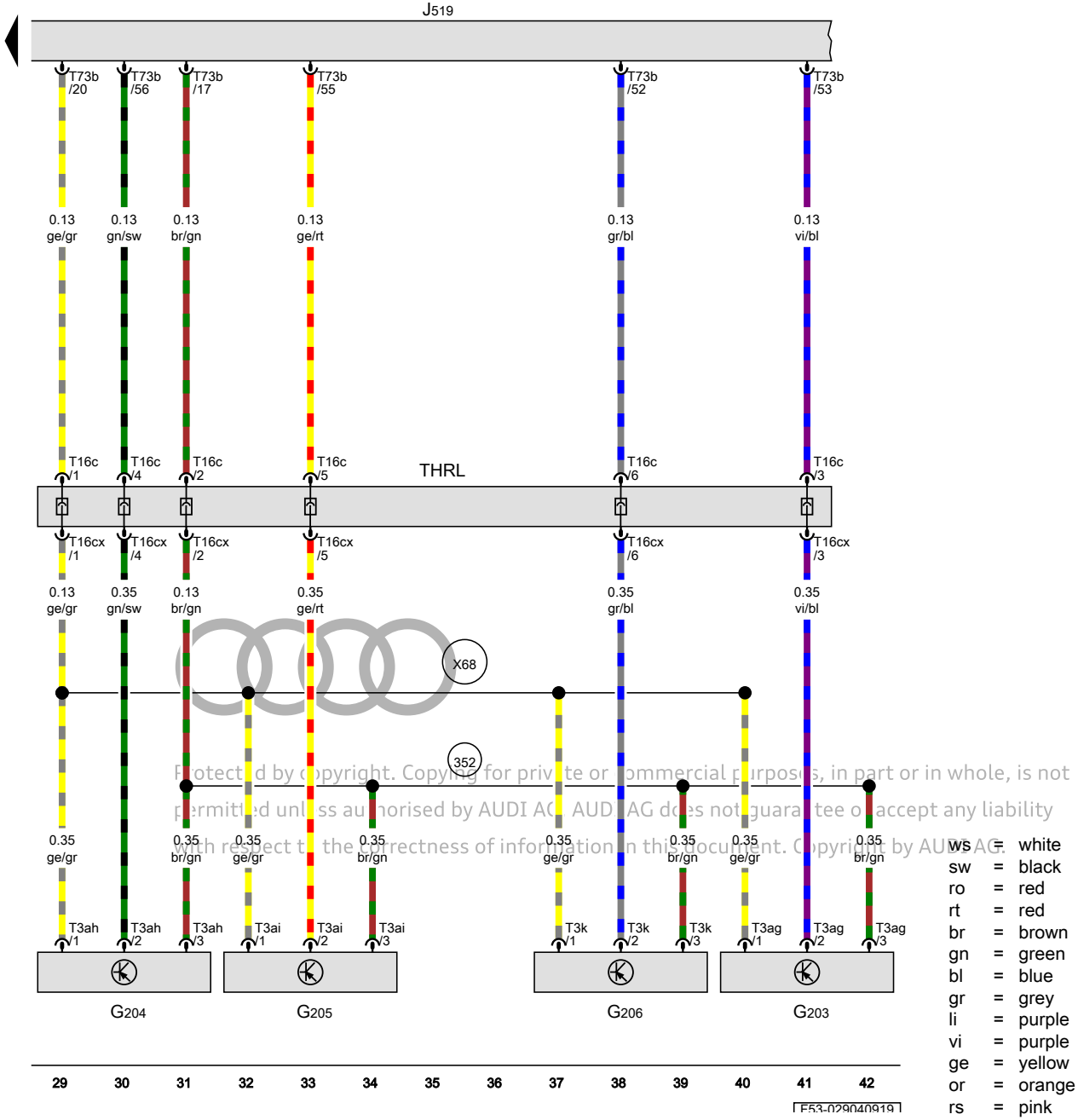


Front right parking aid sender, Front centre left parking aid sender, Front left parking aid sender, Onboard supply control unit

G252	Front right parking aid sender
G253	Front centre right parking aid sender
G254	Front centre left parking aid sender
G255	Front left parking aid sender
J519	Onboard supply control unit
T3aa	3-pin connector, black
T3ab	3-pin connector, black
T3ac	3-pin connector, black
T3ad	3-pin connector, black
T8d	8-pin connector, black
T8dx	8-pin connector, black
T73b	73-pin connector, black
TSFVL	Coupling point on front left bumper
348	Earth connection (parking aid), in front bumper wiring harness
X65	Connection (parking aid), in front bumper wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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vi = purple
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rs = pink

Rear left parking aid sender, Rear centre right parking aid sender, Onboard supply control unit

G203	Rear left parking aid sender
G204	Rear centre left parking aid sender
G205	Rear centre right parking aid sender
G206	Rear right parking aid sender
J519	Onboard supply control unit
T3ag	3-pin connector, black
T3ah	3-pin connector, black
T3ai	3-pin connector, black
T3k	3-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T73b	73-pin connector, black
THRL	Coupling point in luggage compartment, left
352	Earth connection (parking aid), in rear bumper wiring harness
X68	Positive connection (parking aid), in rear bumper wiring harness

Parking aid (PDC) with park assist steering (Park Assist) , (7X5)

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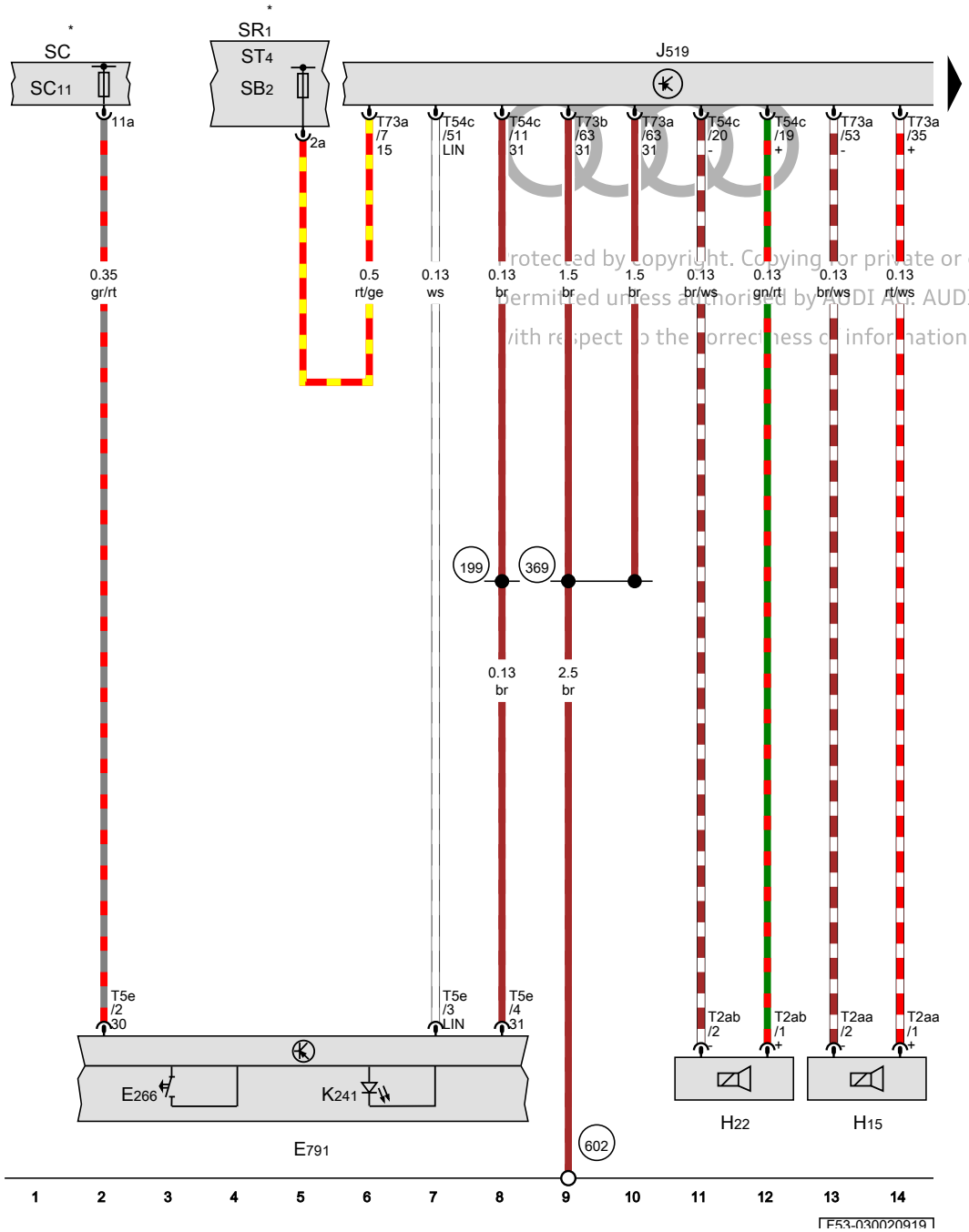

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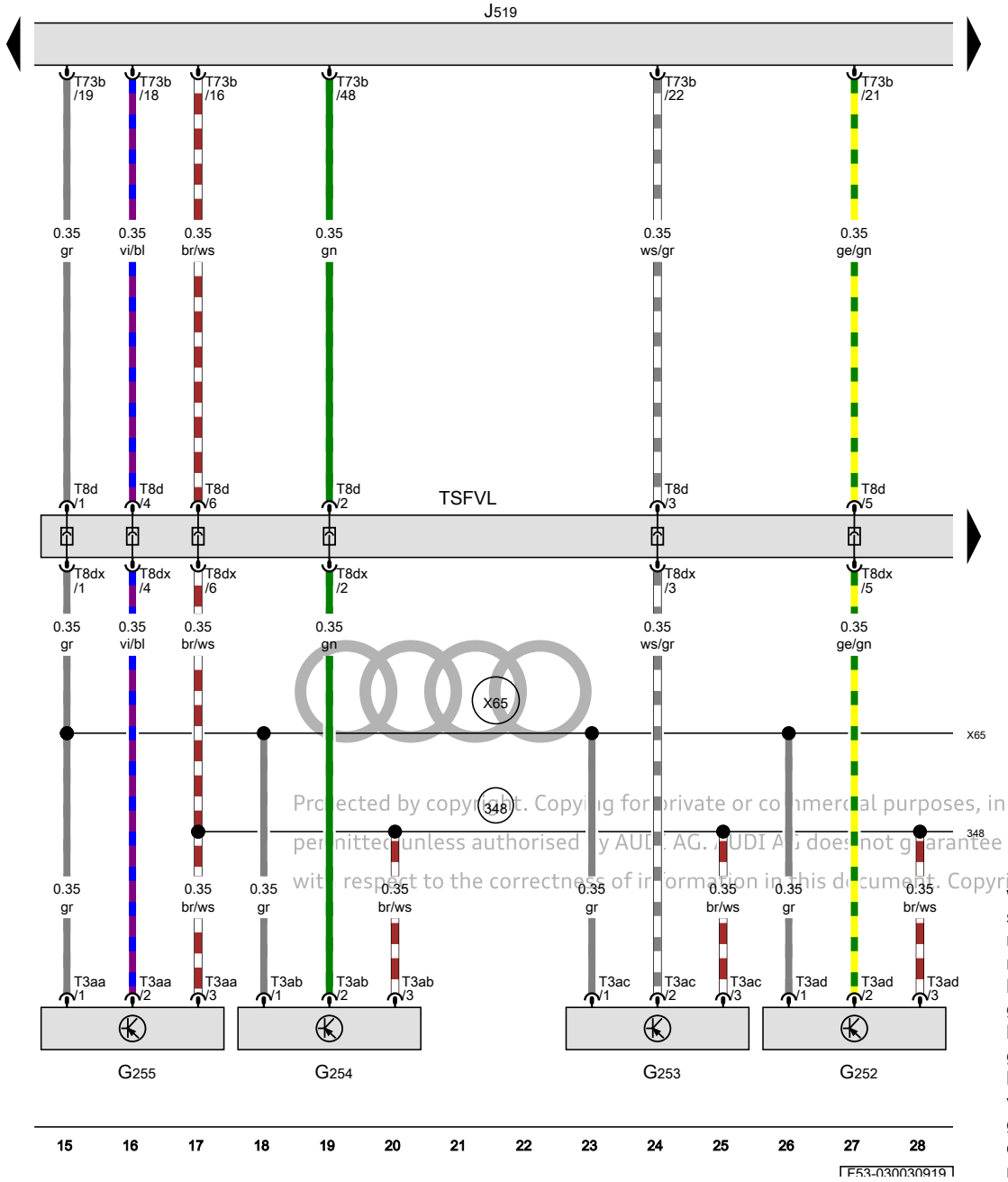
Parking aid button, Operating unit 1 for driver and convenience functions, Rear parking aid warning buzzer, Front parking aid warning buzzer, Onboard supply control unit

E266	Parking aid button
E791	Operating unit 1 for driver and convenience functions
H15	Rear parking aid warning buzzer
H22	Front parking aid warning buzzer
J519	Onboard supply control unit
K241	Warning light for park assist steering
SB2	Fuse 2 on fuse holder B
SC	Fuse holder C
SR1	Relay and fuse carrier 1
ST4	Fuse carrier 4, black
SC11	Fuse 11 on fuse holder C
T2aa	2-pin connector, black
T2ab	2-pin connector, black
T5e	5-pin connector, brown
T54c	54-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
199	Earth connection 3, in dash panel wiring harness
369	Earth connection 4, in main wiring harness
602	Earth point, in front left footwell
*	see applicable current flow diagram for fuse assignment



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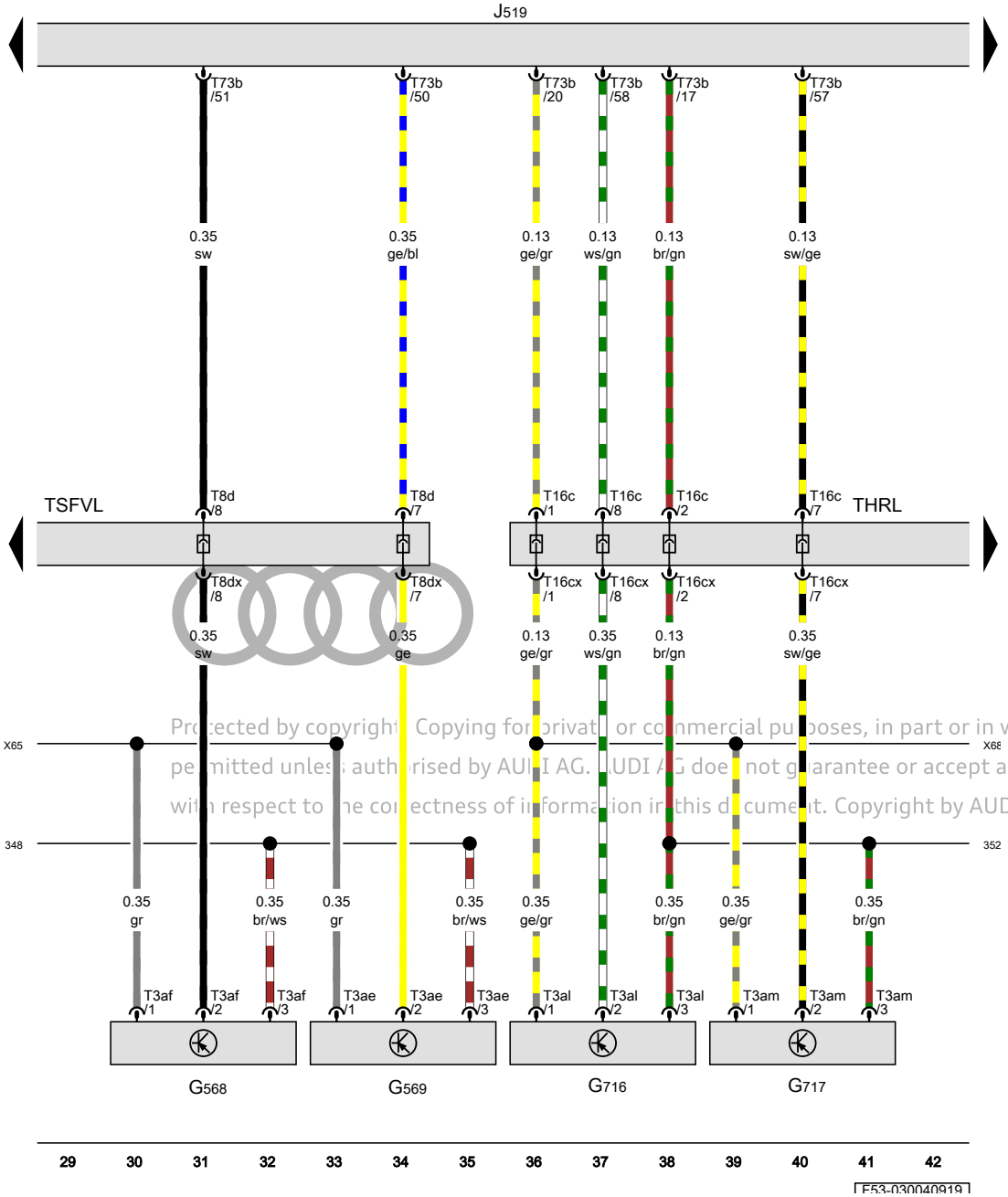
Front right parking aid sender, Front centre left parking aid sender, Front left parking aid sender, Onboard supply control unit

G252	Front right parking aid sender
G253	Front centre right parking aid sender
G254	Front centre left parking aid sender
G255	Front left parking aid sender
J519	Onboard supply control unit
T3aa	3-pin connector, black
T3ab	3-pin connector, black
T3ac	3-pin connector, black
T3ad	3-pin connector, black
T8d	8-pin connector, black
T8dx	8-pin connector, black
T73b	73-pin connector, black
TSFVL	Coupling point on front left bumper
348	Earth connection (parking aid), in front bumper wiring harness
X65	Connection (parking aid), in front bumper wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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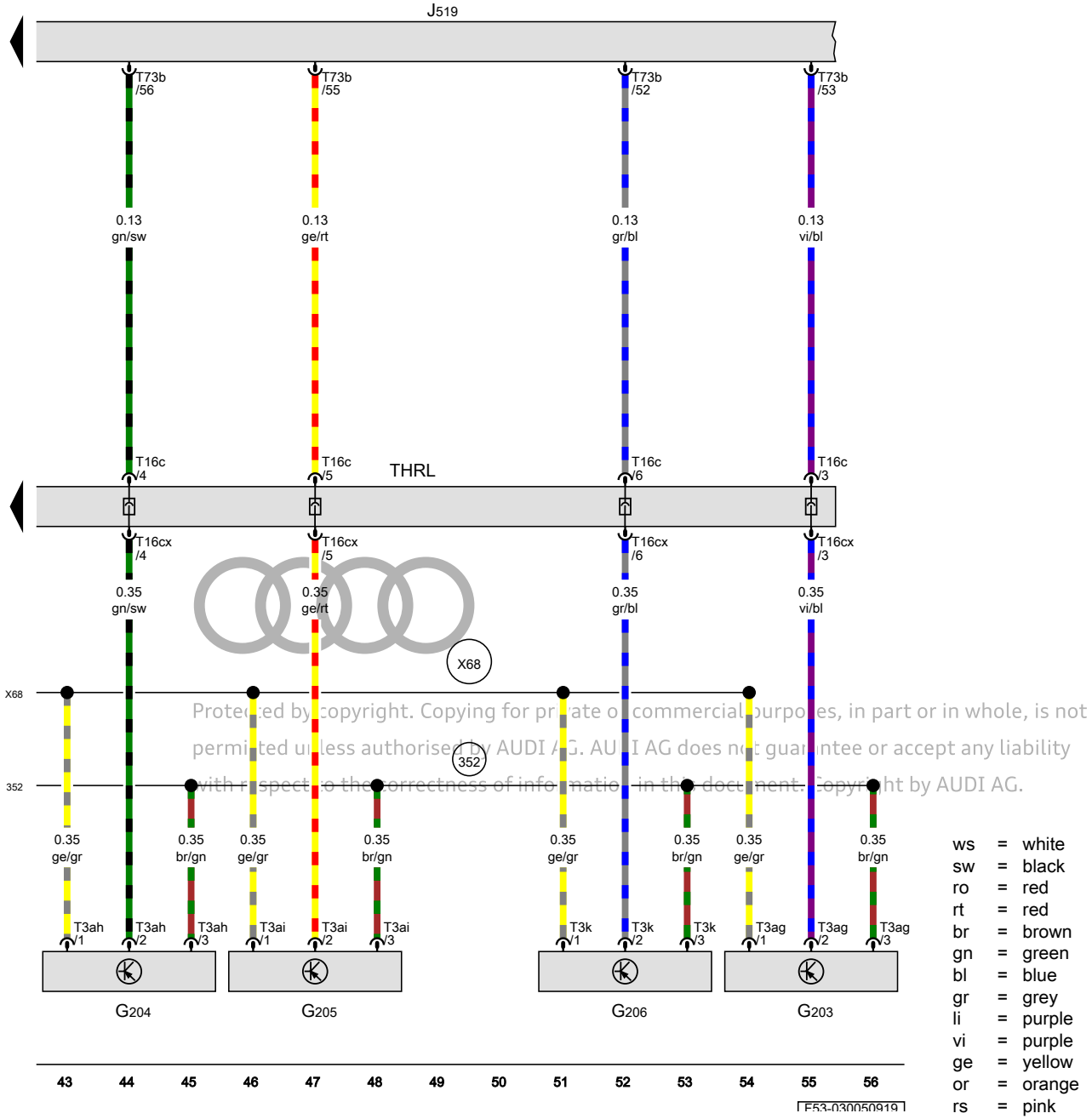
Front left sender for park assist steering on left side of vehicle, Front right sender for park assist steering on right side of vehicle, Rear left park assist steering sender, Rear right park assist steering sender, Onboard supply control unit

G568	Front left sender for park assist steering on left side of vehicle
G569	Front right sender for park assist steering on right side of vehicle
G716	Rear left park assist steering sender
G717	Rear right park assist steering sender
J519	Onboard supply control unit
T3ae	3-pin connector, black
T3af	3-pin connector, black
T3al	3-pin connector, black
T3am	3-pin connector, black
T8d	8-pin connector, black
T8dx	8-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T73b	73-pin connector, black
THRL	Coupling point in luggage compartment, left
TSFVL	Coupling point on front left bumper
348	Earth connection (parking aid), in front bumper wiring harness
352	Earth connection (parking aid), in rear bumper wiring harness
X65	Connection (parking aid), in front bumper wiring harness
X68	Positive connection (parking aid), in rear bumper wiring harness



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gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Rear left parking aid sender, Rear centre right parking aid sender, Onboard supply control unit

G203	Rear left parking aid sender
G204	Rear centre left parking aid sender
G205	Rear centre right parking aid sender
G206	Rear right parking aid sender
J519	Onboard supply control unit
T3ag	3-pin connector, black
T3ah	3-pin connector, black
T3ai	3-pin connector, black
T3k	3-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T73b	73-pin connector, black
THRL	Coupling point in luggage compartment, left
352	Earth connection (parking aid), in rear bumper wiring harness
X68	Positive connection (parking aid), in rear bumper wiring harness

Reversing camera (Rear Assist) , (KA2)

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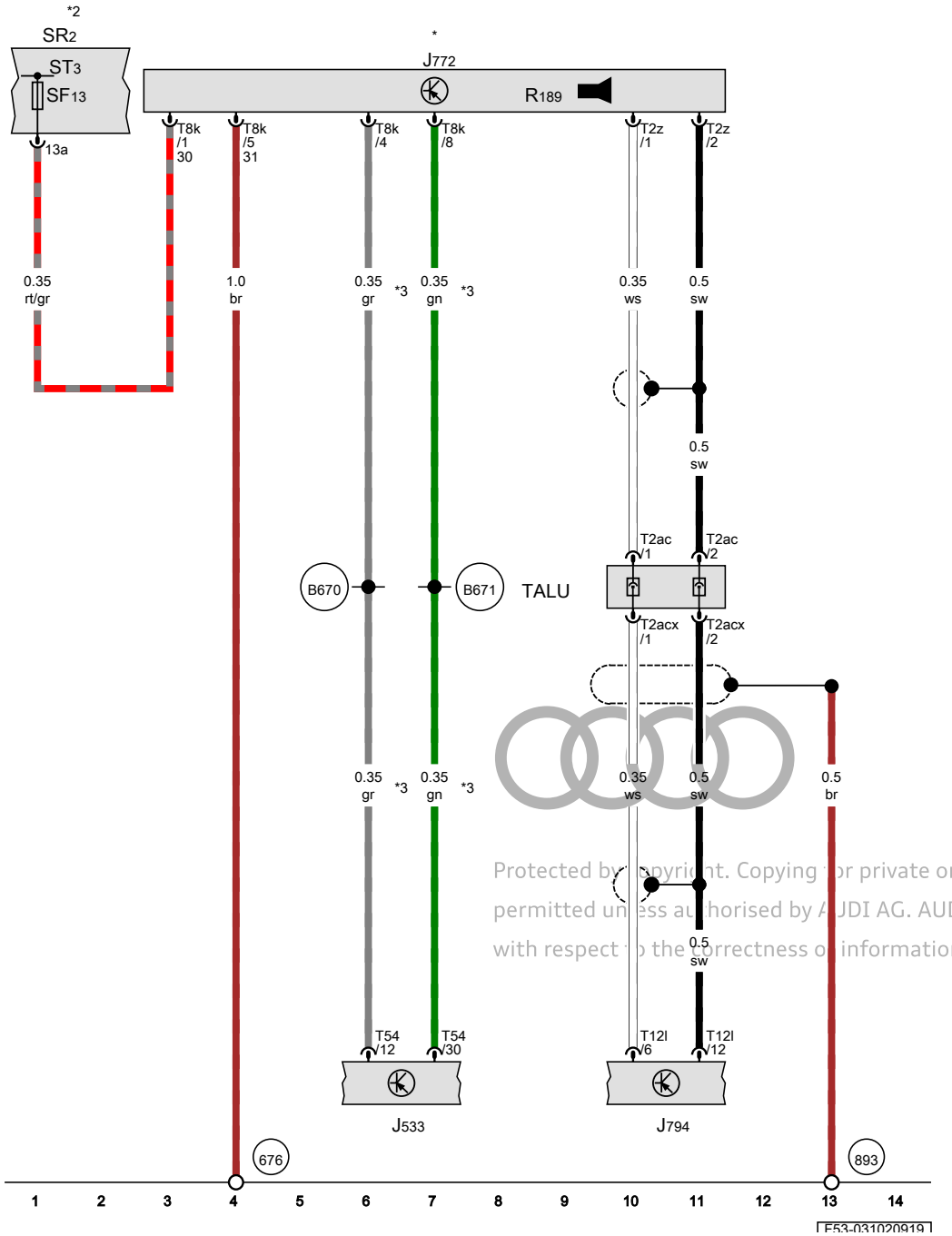

Reversing camera system control unit, Reversing camera

J533	Data bus diagnostic interface
J772	Reversing camera system control unit
J794	Control unit 1 for information electronics
R189	Reversing camera
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF13	Fuse 13 in fuse holder F
T2ac	2-pin connector, light blue
T2acx	2-pin connector, light blue
T2z	2-pin connector, grey
T8k	8-pin connector, black
T12l	12-pin connector, blue
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
676	Earth point 2, on left in luggage compartment
893	Earth point 2, on left B-pillar
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	Pre-wired component
*2	see applicable current flow diagram for fuse assignment
*3	Different wire colour possible

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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Overhead view camera , (KA6)

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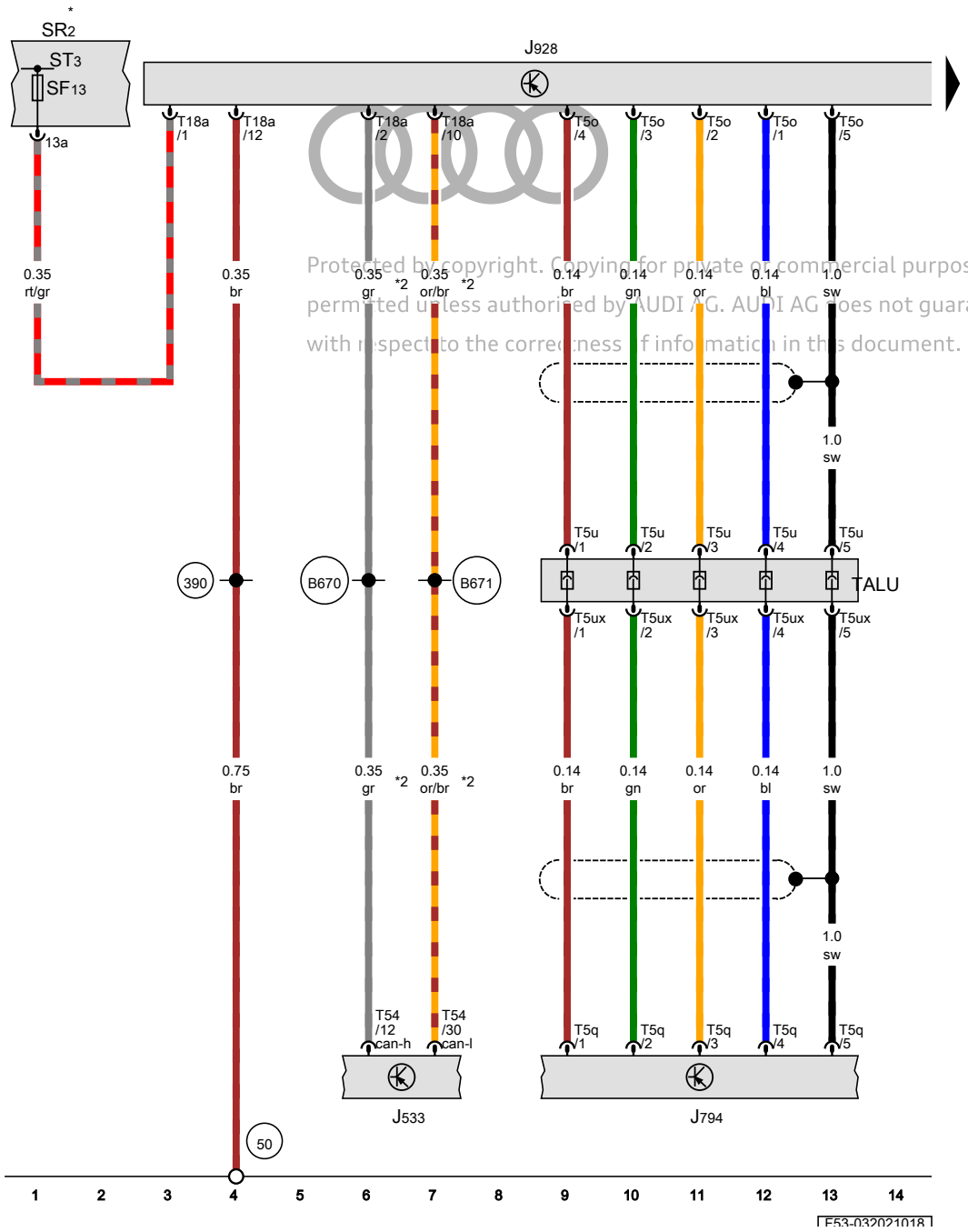

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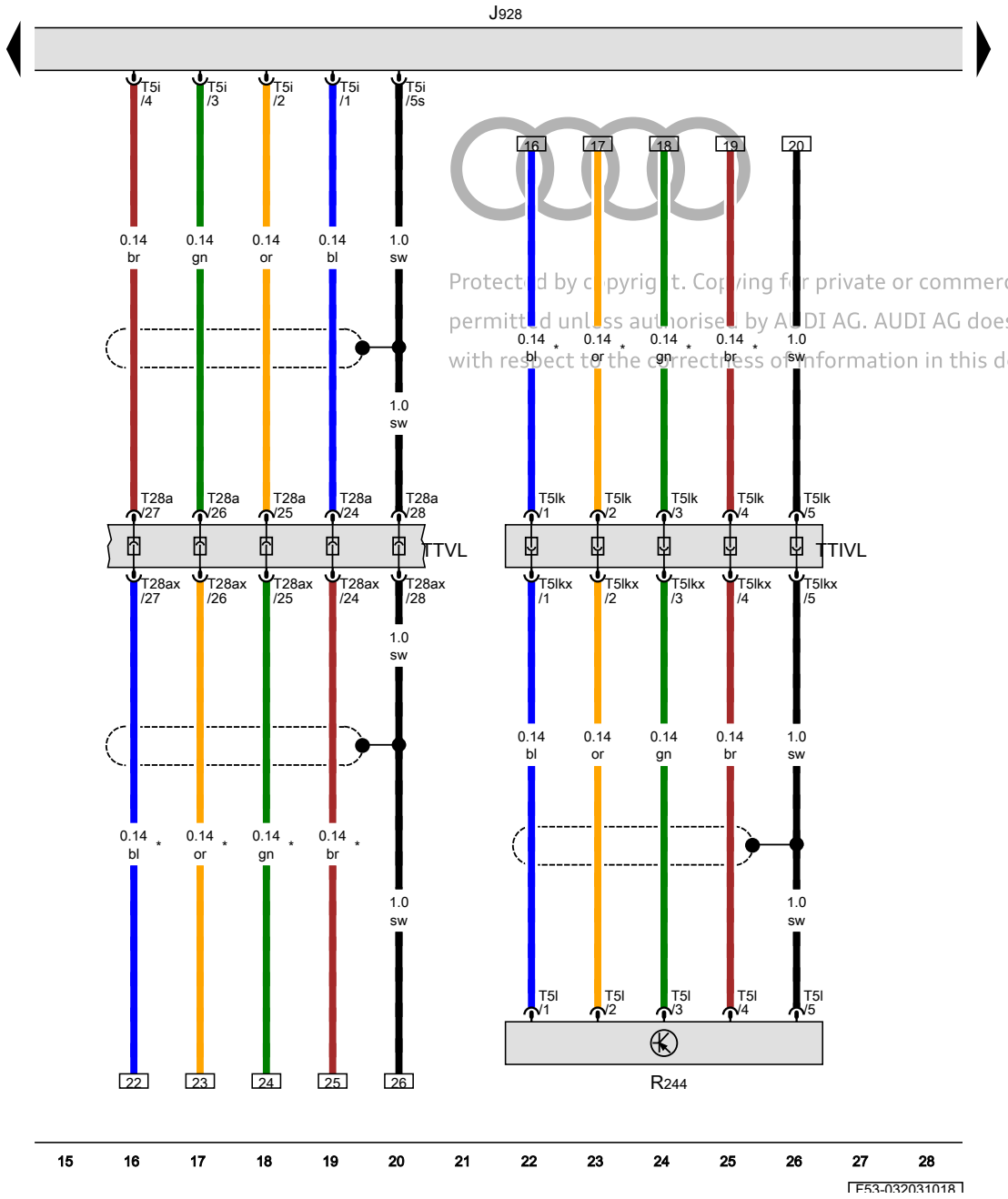
Data bus diagnostic interface, Control unit for overhead view camera, Fuse carrier 3

J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
J928	Control unit for overhead view camera
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF13	Fuse 13 in fuse holder F
T5o	5-pin connector, black
T5q	5-pin connector, light brown
T5u	5-pin connector, white
T5ux	5-pin connector, white
T18a	18-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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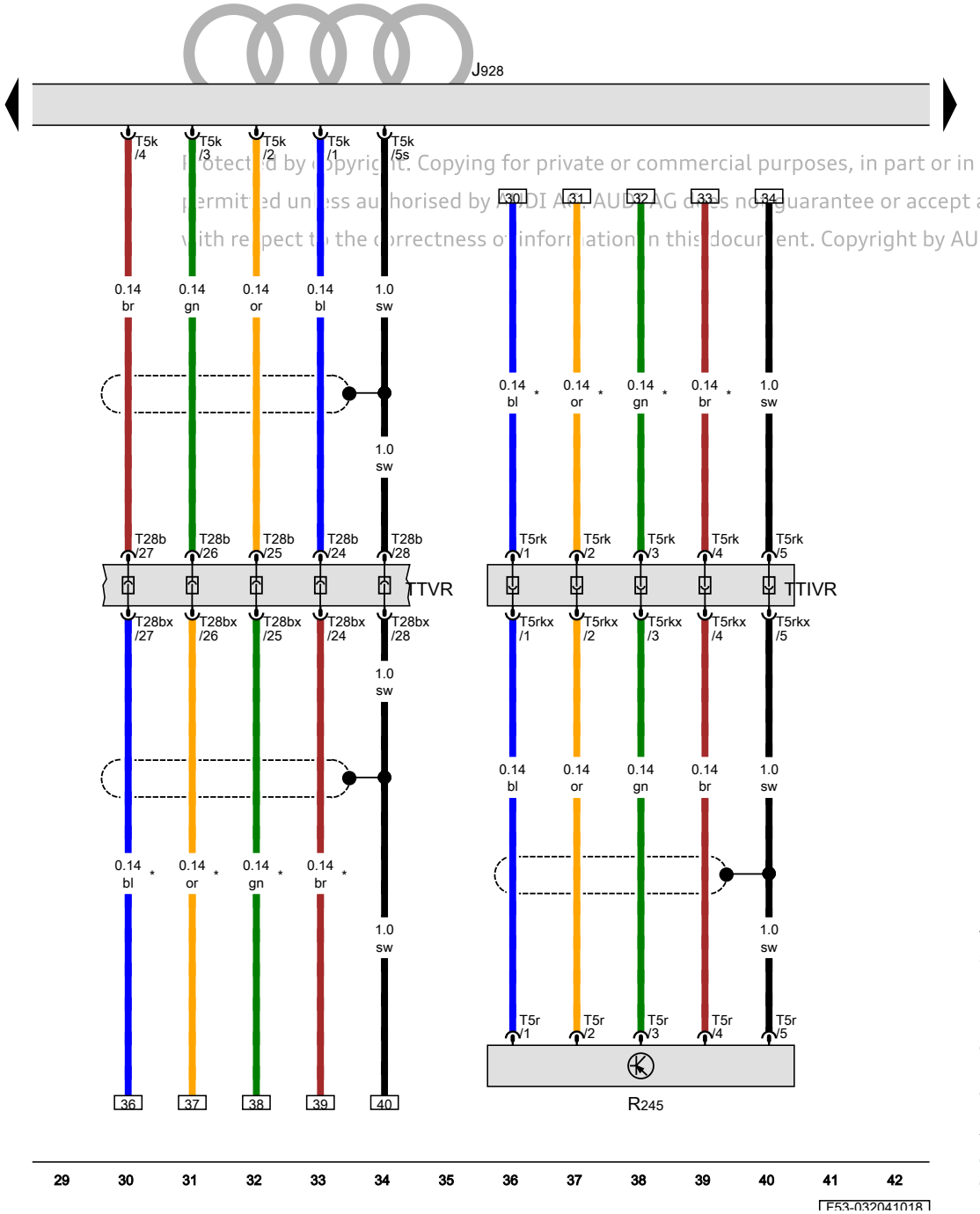
Control unit for overhead view camera, Left overhead view camera

J928	Control unit for overhead view camera
R244	Left overhead view camera
T5i	5-pin connector, green
T5l	5-pin connector, blue
T5lk	5-pin connector, black
T5lkx	5-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTIVL	Coupling point in front left door
TTVL	Coupling point for front left door
*	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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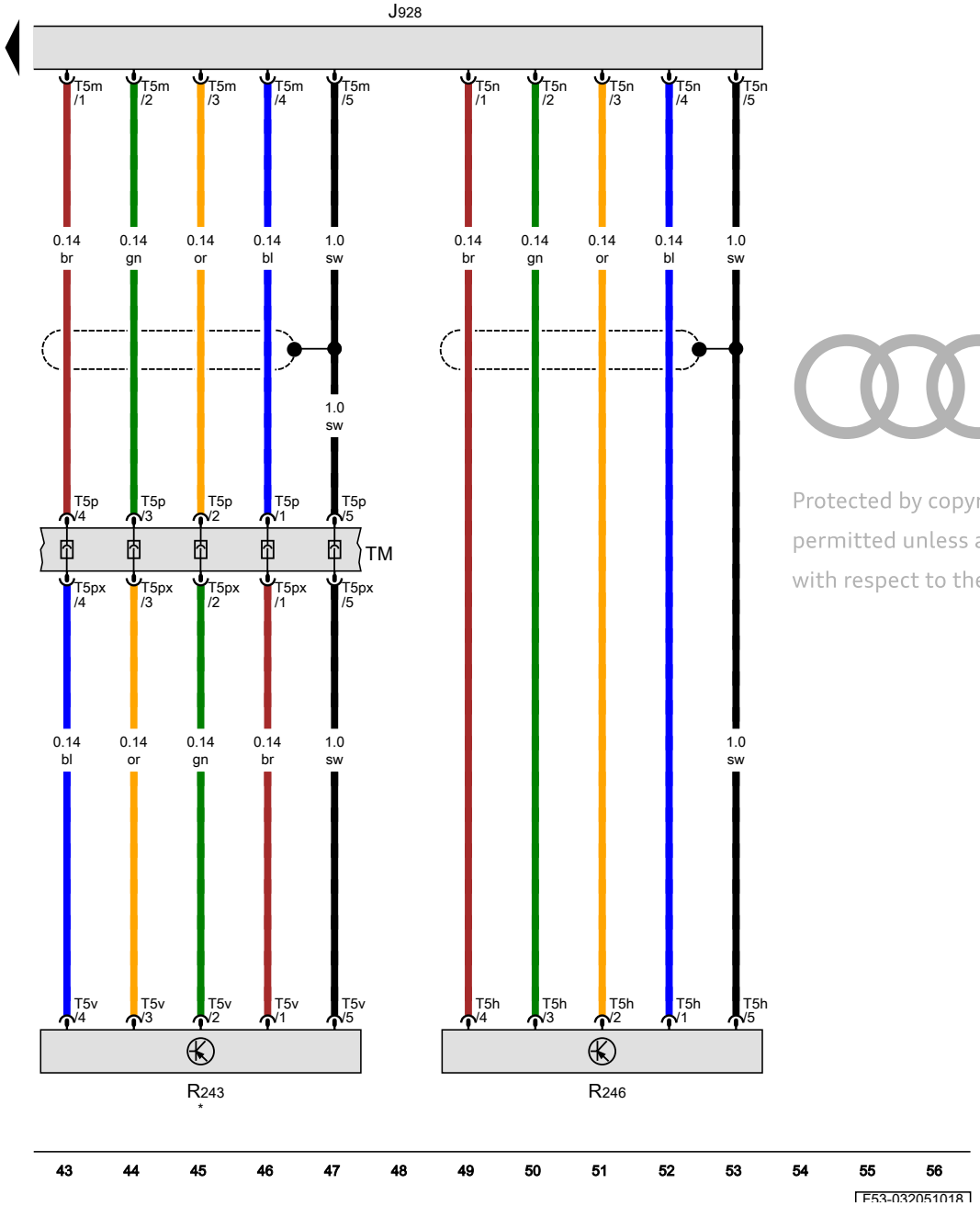
Control unit for overhead view camera, Right overhead view camera

J928	Control unit for overhead view camera
R245	Right overhead view camera
T5k	5-pin connector, black
T5r	5-pin connector, blue
T5rk	5-pin connector, black
T5rkx	5-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTIVR	Coupling point in front right door
TTVR	Coupling point for front right door
*	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit for overhead view camera, Front overhead view camera, Rear overhead view camera

J928	Control unit for overhead view camera
R243	Front overhead view camera
R246	Rear overhead view camera
T5h	5-pin connector, black
T5m	5-pin connector, white
T5n	5-pin connector, blue
T5p	5-pin connector, black
T5px	5-pin connector, black
T5v	5-pin connector, black
TM	Coupling point in engine compartment, front
*	Pre-wired component

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Front camera for driver assist systems , (QK1)

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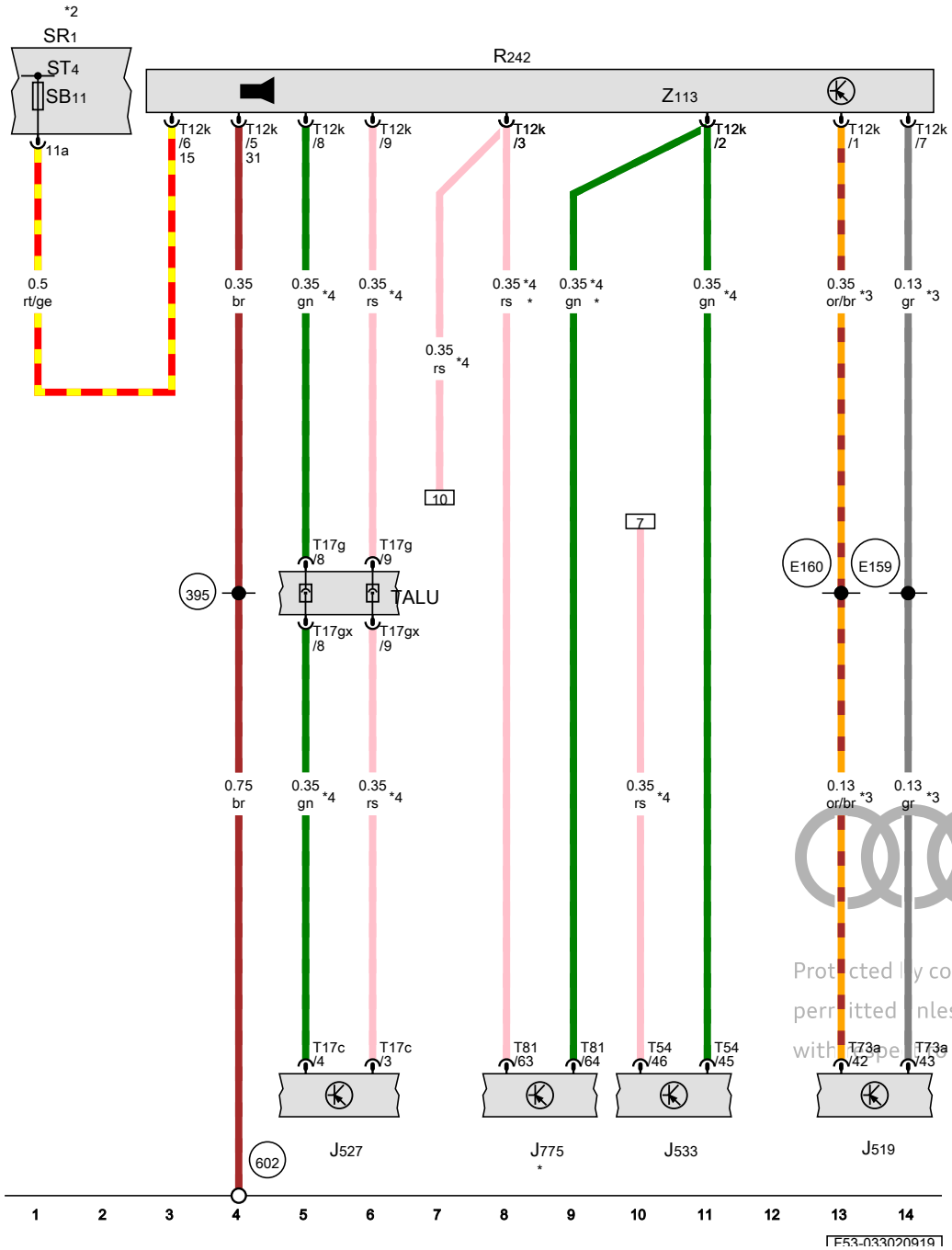

Front camera for driver assist systems, Windscreen heater for front sensors

J519	Onboard supply control unit
J527	Steering column electronics control unit
J533	Data bus diagnostic interface
J775	Running gear control unit
R242	Front camera for driver assist systems
SR1	Relay and fuse carrier 1
ST4	Fuse carrier 4, black
SB11	Fuse 11 on fuse holder B
T12k	12-pin connector, black
T17c	17-pin connector, yellow
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T54	54-pin connector, black
T73a	73-pin connector, black
T81	81-pin connector, black
TALU	Coupling point on left A-pillar, bottom
Z113	Windscreen heater for front sensors
395	Earth connection 30, in main wiring harness
602	Earth point, in front left footwell
E159	Connection 1 (CAN bus, onboard supply control unit, high)
E160	Connection 1 (CAN bus, onboard supply control unit, low)
*	For models with adaptive suspension
*2	see applicable current flow diagram for fuse assignment
*3	According to equipment
*4	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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Head-up display , (KS1)

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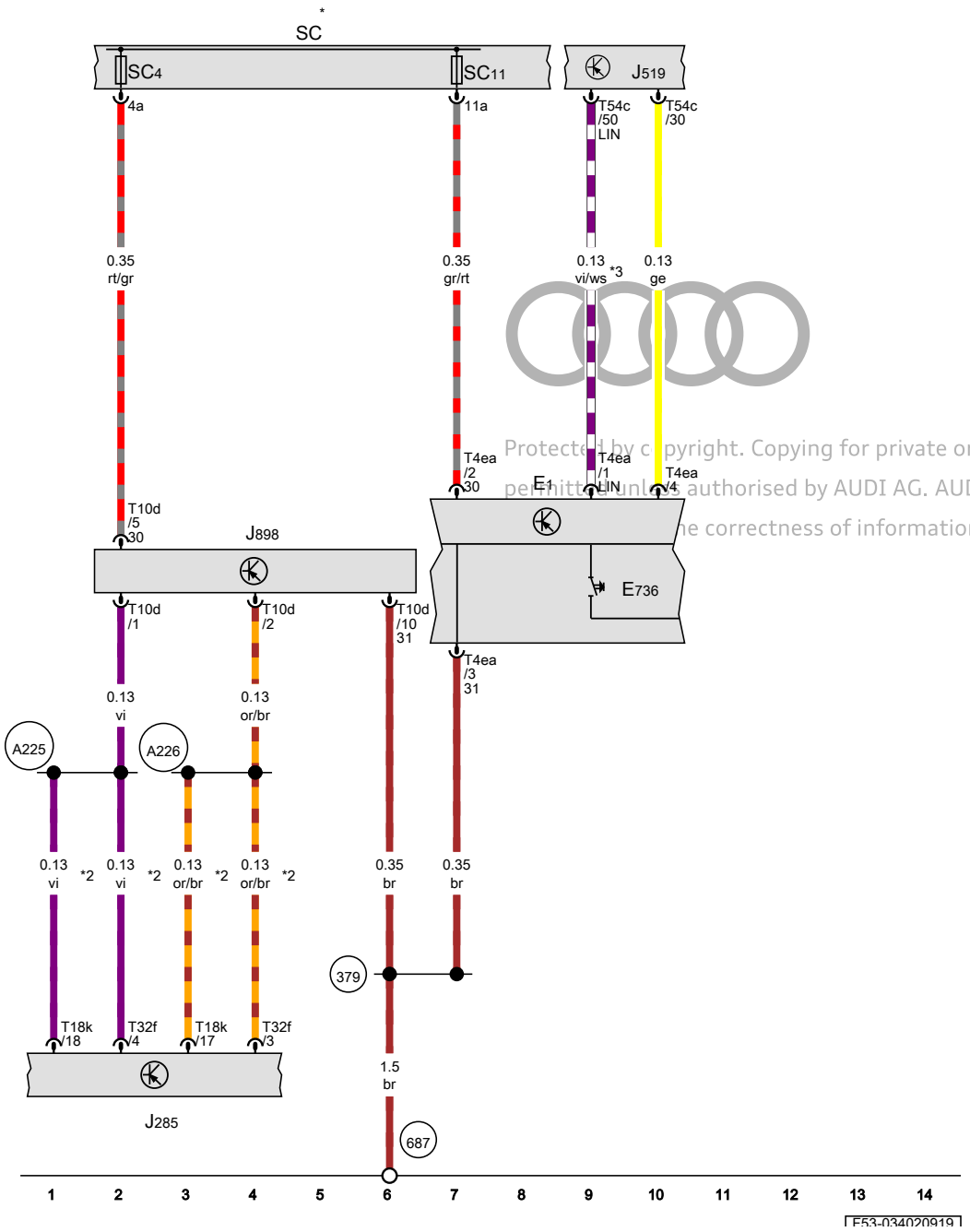

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Light switch, Switch for head-up display, Onboard supply control unit, Control unit for head-up display

E1	Light switch
E736	Switch for head-up display
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J898	Control unit for head-up display
SC	Fuse holder C
SC4	Fuse 4 on fuse holder C
SC11	Fuse 11 on fuse holder C
T4ea	4-pin connector, black
T10d	10-pin connector, black
T18k	18-pin connector, black
T32f	32-pin connector, grey
T54c	54-pin connector, black
379	Earth connection 14, in main wiring harness
687	Earth point 1, on centre tunnel
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	Data bus wire (LIN bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Lane change assist , (7Y1)

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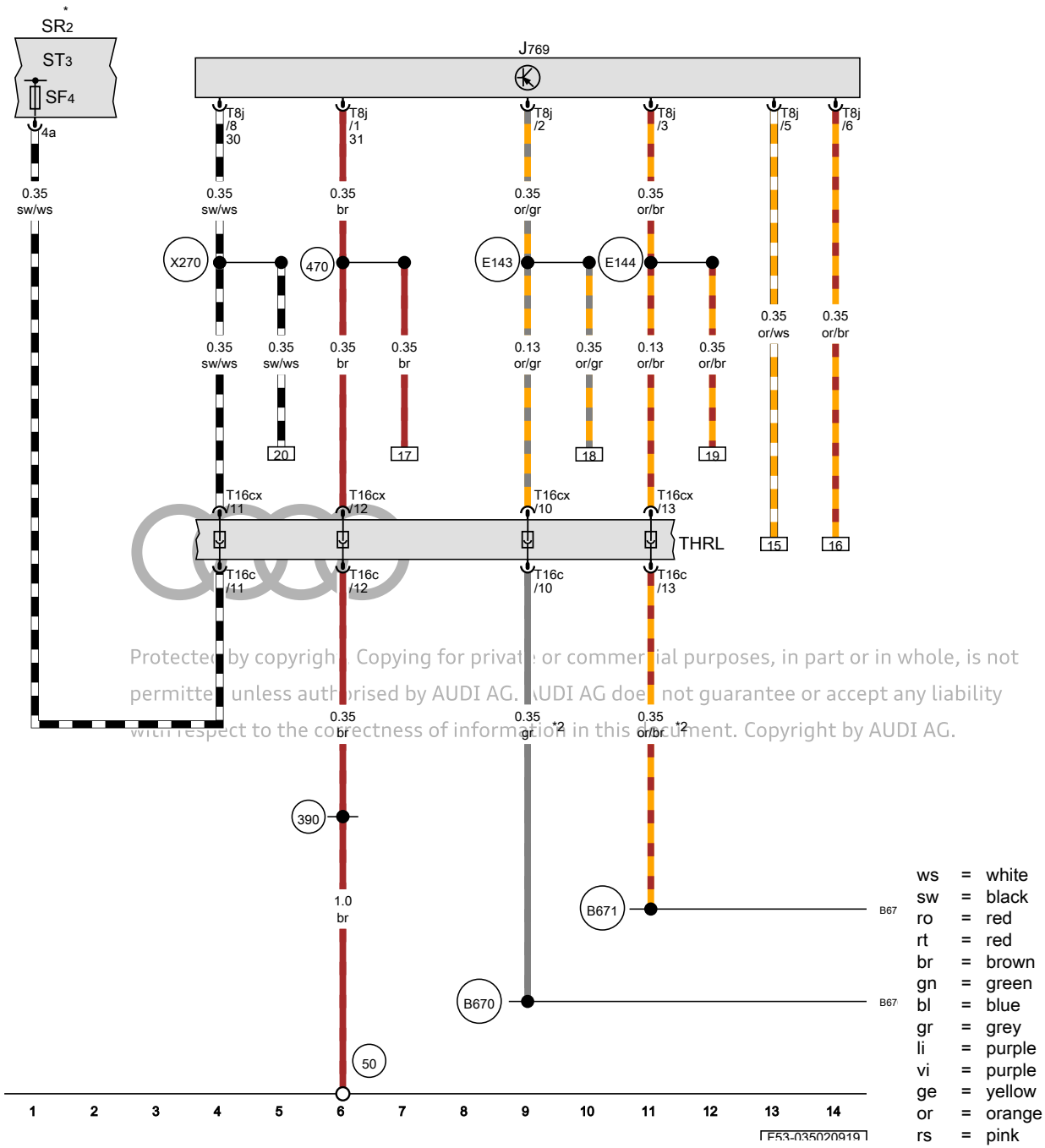

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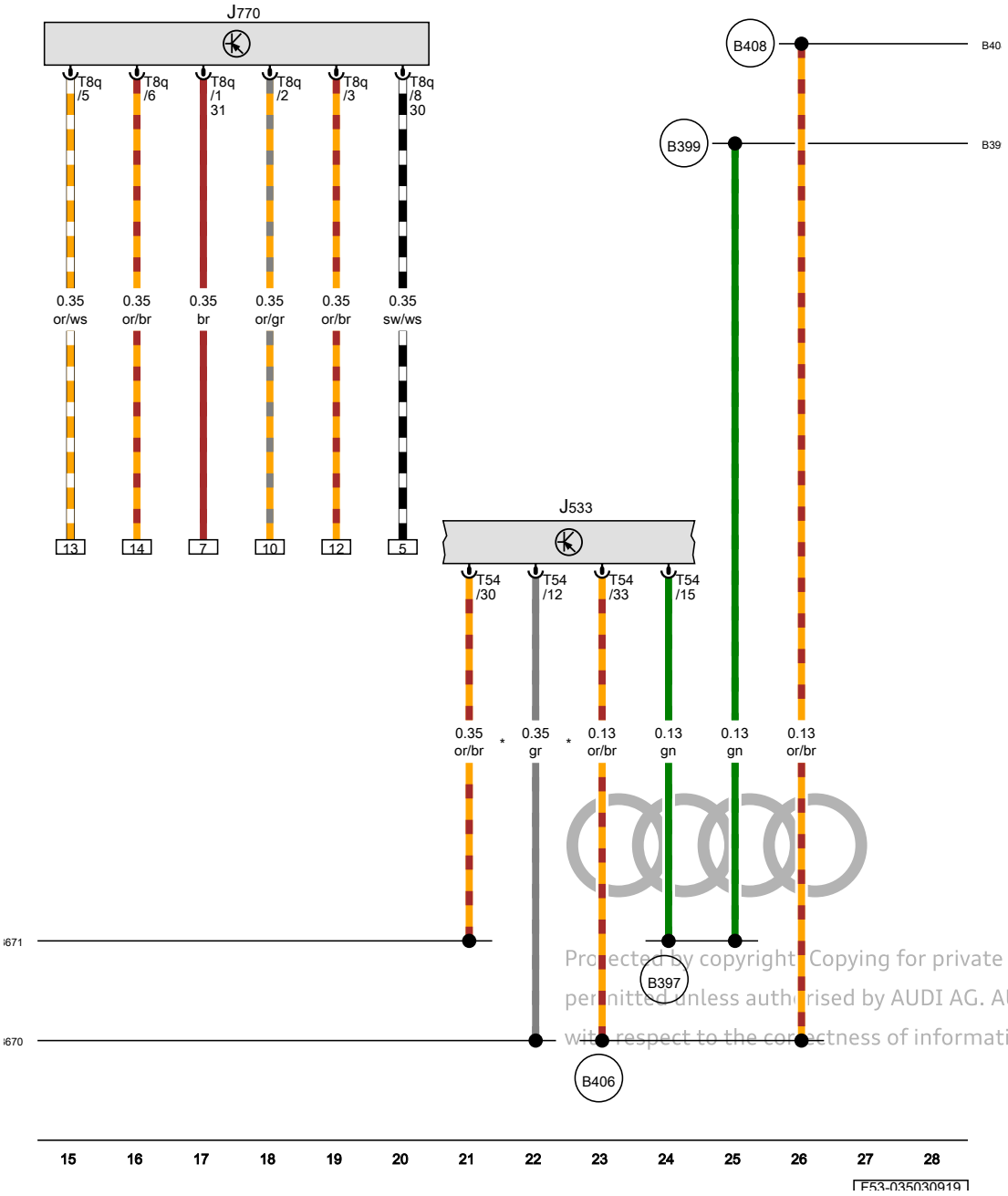
rs = pink

Lane change assist control unit

J769	Lane change assist control unit
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF4	Fuse 4 in fuse holder F
T8j	8-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
THRL	Coupling point in luggage compartment, left
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
470	Earth connection 1, in rear bumper wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
E143	Connection 1 (CAN bus extended high), in rear bumper wiring harness
E144	Connection 1 (CAN bus extended low), in rear bumper wiring harness
X270	Connection (30), rear bumper wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Cross section depends on equipment



Lane change assist control unit 2

J533	Data bus diagnostic interface
J770	Lane change assist control unit 2
T8q	8-pin connector, black
T54	54-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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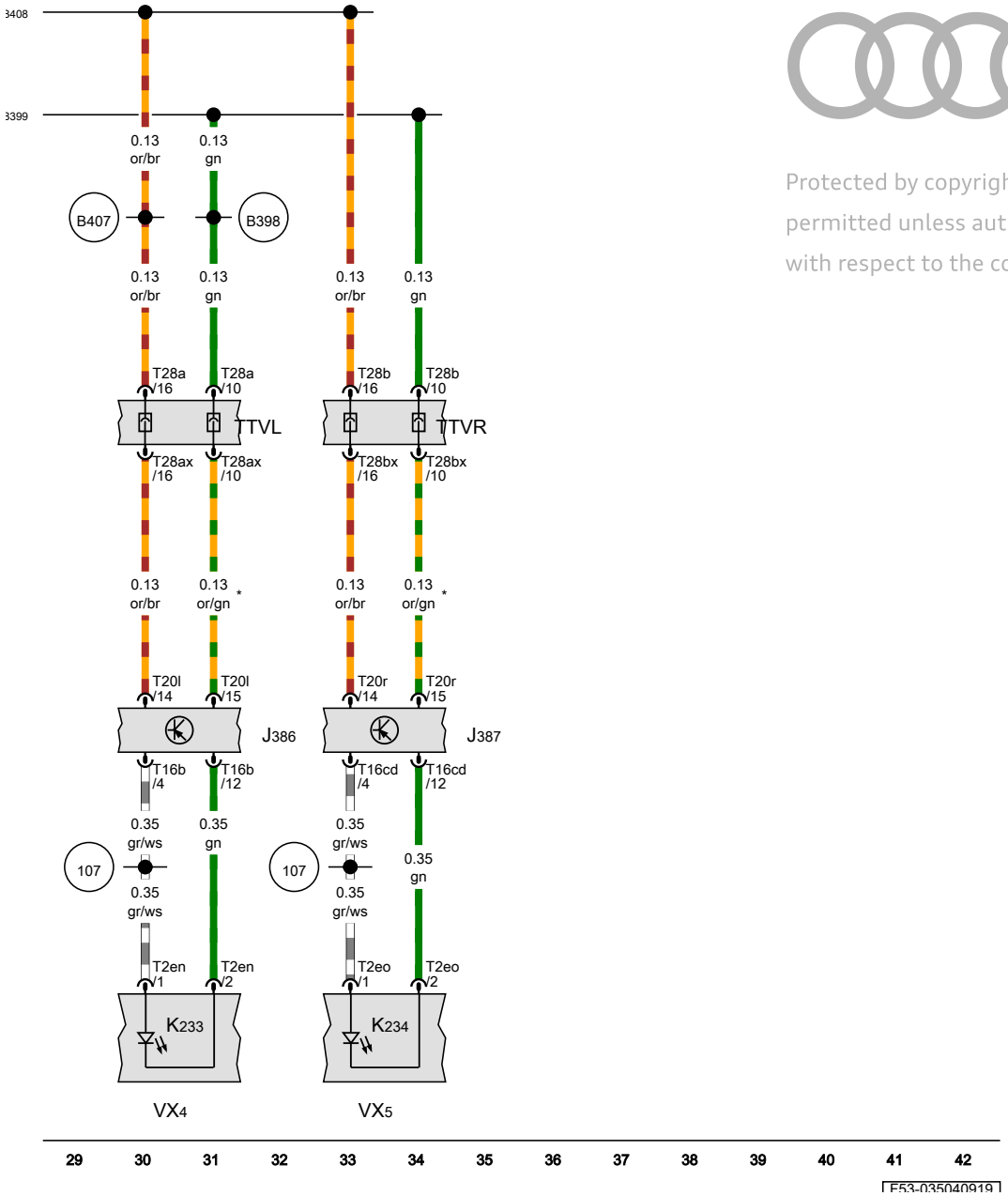

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Driver side exterior mirror, Passenger side exterior mirror

J386	Driver door control unit
J387	Front passenger door control unit
K233	Lane change assist warning lamp in driver side exterior mirror
K234	Lane change assist warning lamp in passenger side exterior mirror
T2en	2-pin connector
T2eo	2-pin connector
T16b	16-pin connector, white
T16cd	16-pin connector, white
T20l	20-pin connector, white
T20r	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVL	Coupling point for front left door
TTVR	Coupling point for front right door
VX4	Driver side exterior mirror
VX5	Passenger side exterior mirror
107	Earth connection, in external mirror wiring harness, Driver side
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Adaptive cruise control , (8T3),(8T8)

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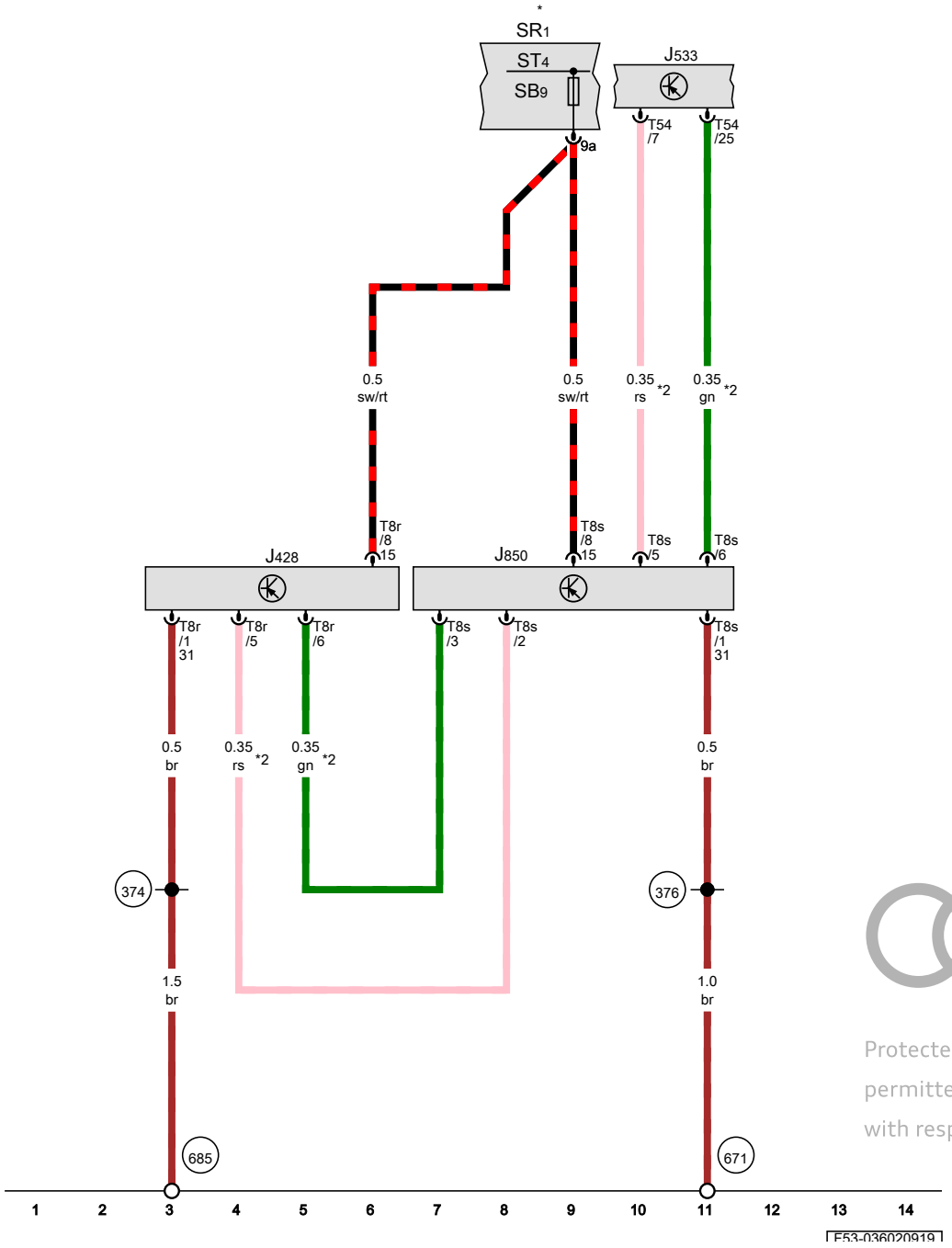

Adaptive cruise control unit, Control unit 2 for adaptive cruise control

J428	Adaptive cruise control unit
J533	Data bus diagnostic interface
J850	Control unit 2 for adaptive cruise control
SR1	Relay and fuse carrier 1
ST4	Fuse carrier 4, black
SB9	Fuse 9 on fuse holder B
T8r	8-pin connector, black
T8s	8-pin connector, black
T54	54-pin connector, black
374	Earth connection 9, in main wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
685	Earth point 1, on front of right longitudinal member
*	see applicable current flow diagram for fuse assignment
*2	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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Trailer coupling , (1D4),(1D8),(1D9)

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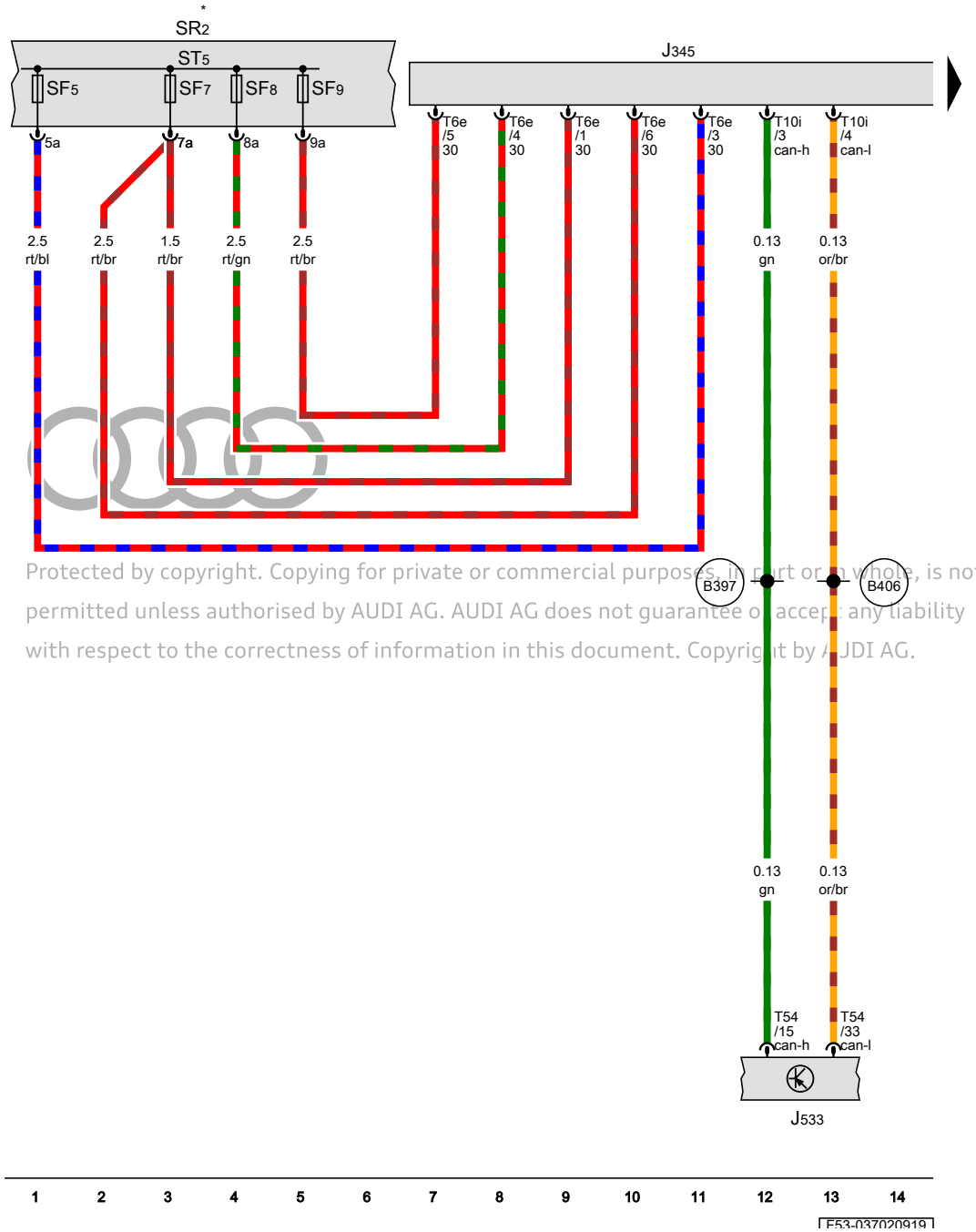

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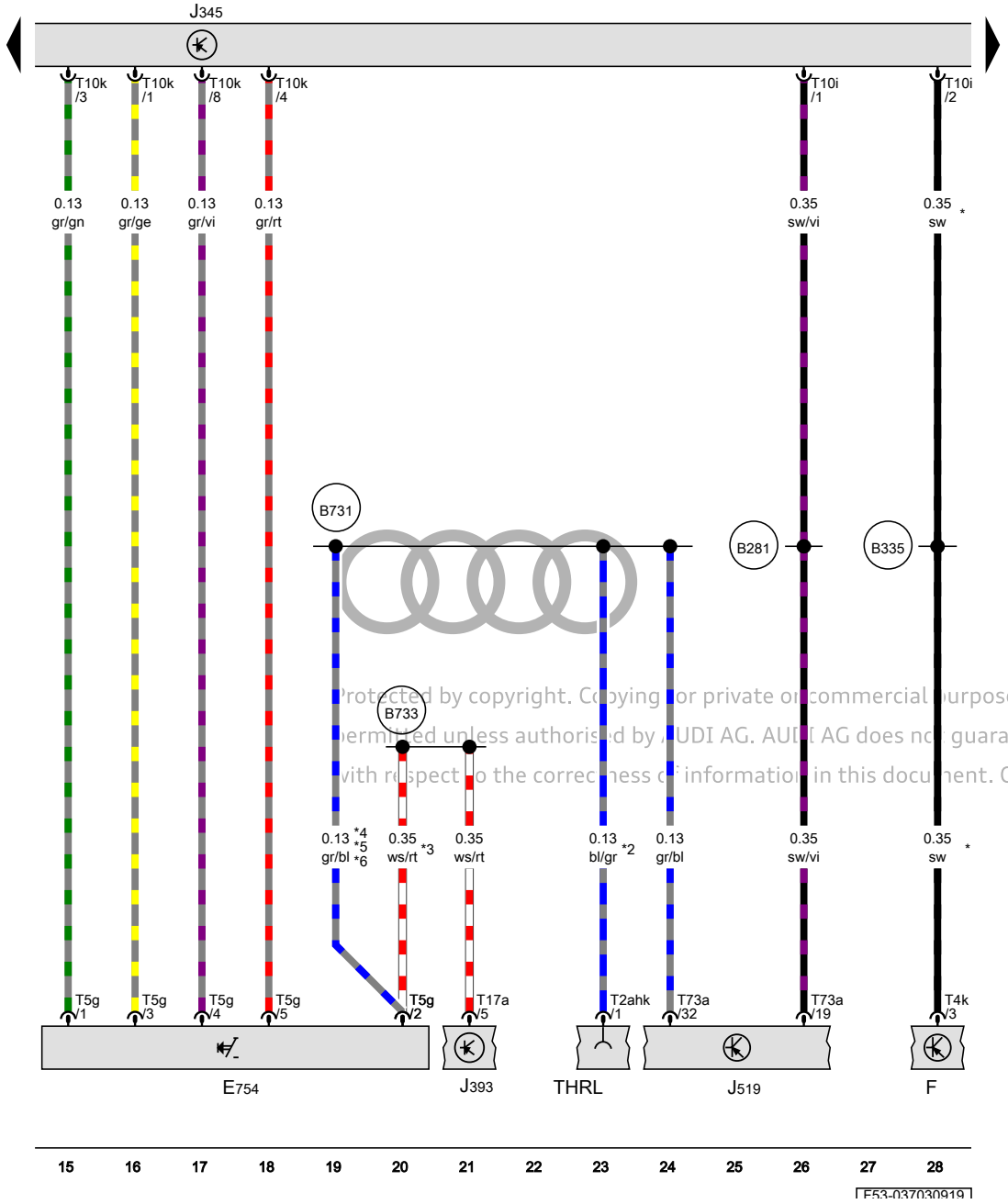
Trailer detector control unit

J345	Trailer detector control unit
J533	Data bus diagnostic interface
SR2	Relay and fuse carrier 2
ST5	Fuse carrier 5, red
SF5	Fuse 5 in fuse holder F
SF7	Fuse 7 in fuse holder F
SF8	Fuse 8 in fuse holder F
SF9	Fuse 9 in fuse holder F
T6e	6-pin connector, black
T10i	10-pin connector, black
T54	54-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Towing bracket release button, Trailer detector control unit



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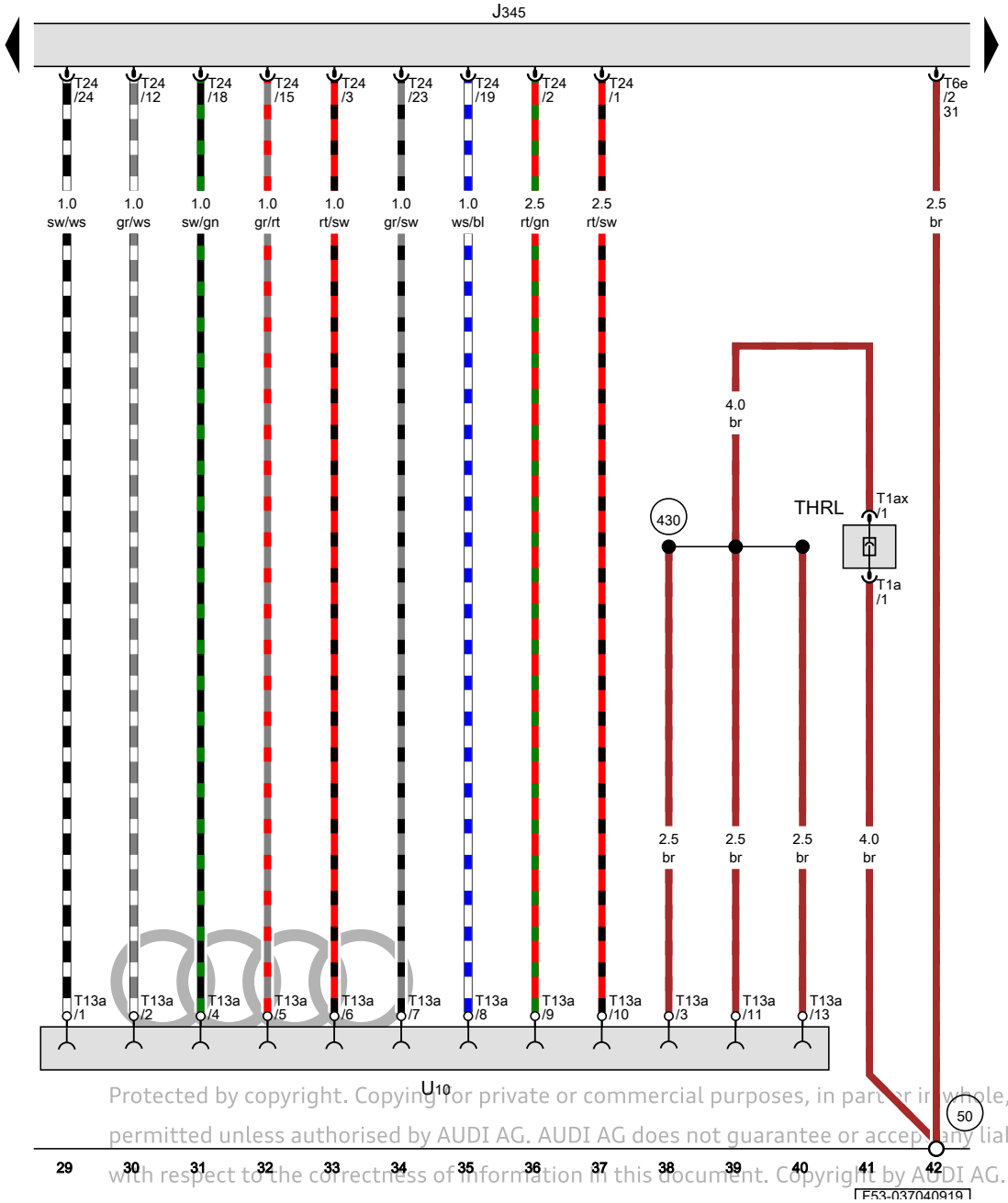
E754	Towing bracket release button
F	Brake light switch
J345	Trailer detector control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T2ahk	2-pin connector, black
T4k	4-pin connector, black
T5g	5-pin connector, black
T10i	10-pin connector, black
T10k	10-pin connector, red
T17a	17-pin connector, brown
T73a	73-pin connector, black
THRL	Coupling point in luggage compartment, left
B281	Positive connection 5 (15a) in main wiring harness
B335	Connection 1 (54), in main wiring harness
B731	Connection 1 (58s), in main wiring harness
B733	Connection 3 (58s), in main wiring harness
*	Cross section depends on equipment
*2	For models with preparation for trailer coupling
*3	Sportback
*4	For models with towing bracket
*5	Coupé
*6	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Trailer detector control unit, Trailer socket

J345	Trailer detector control unit
T1a	1-pin connector, black
T1ax	1-pin connector, black
T6e	6-pin connector, black
T13a	13-pin connector, black
T24	24-pin connector, black
THRL	Coupling point in luggage compartment, left
U10	Trailer socket
50	Earth point, on left in luggage compartment
430	Earth connection, in towing bracket wiring harness



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

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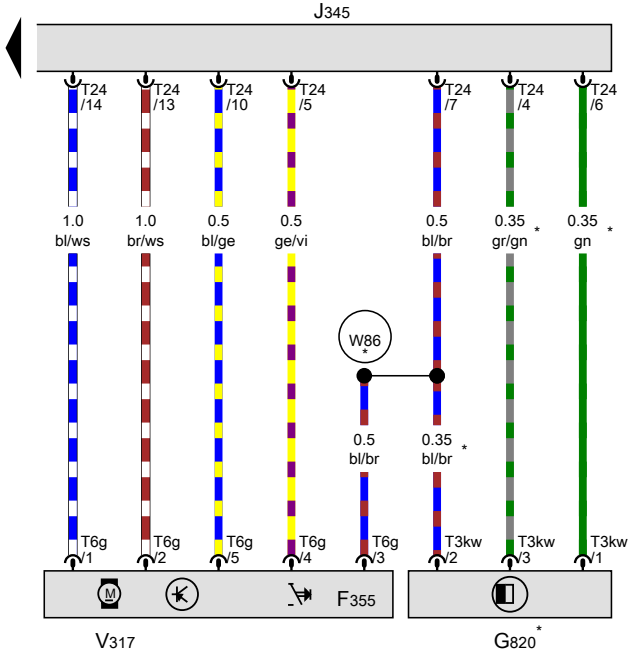
Trailer articulation angle sensor, Trailer detector control unit, Hinged tow attachment ball head motor

F355	Contact switch on locking pin
G820	Trailer articulation angle sensor
J345	Trailer detector control unit
T3kw	3-pin connector, black
T6g	6-pin connector, black
T24	24-pin connector, black
V317	Hinged tow attachment ball head motor
W86	Connection 1 in towing bracket wiring harness
*	Electric swivelling tow coupling



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43 44 45 46 47 48 49 50 51 52 53 54 55 56

F53-037050919

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Entry and start authorisation , (2F0)

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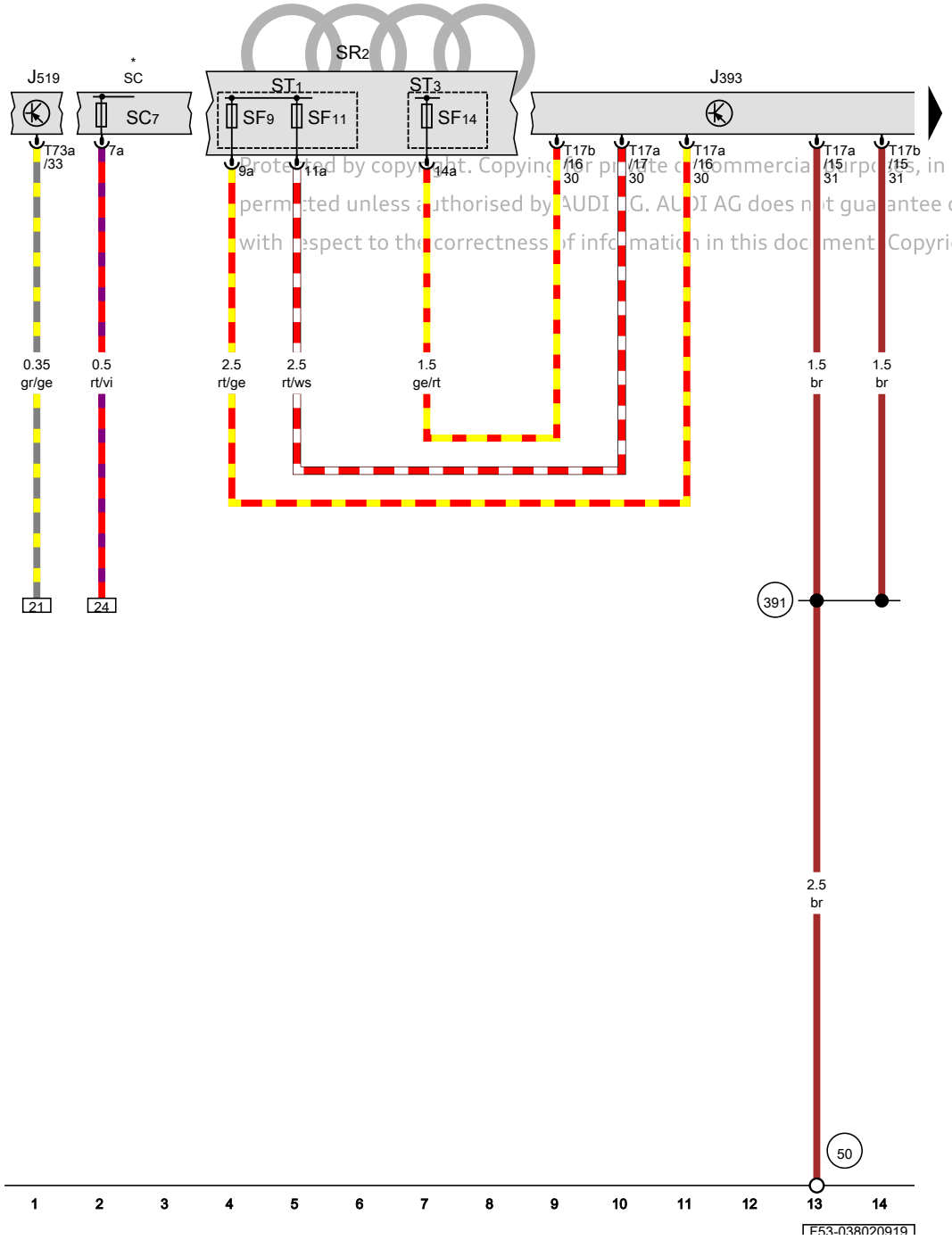

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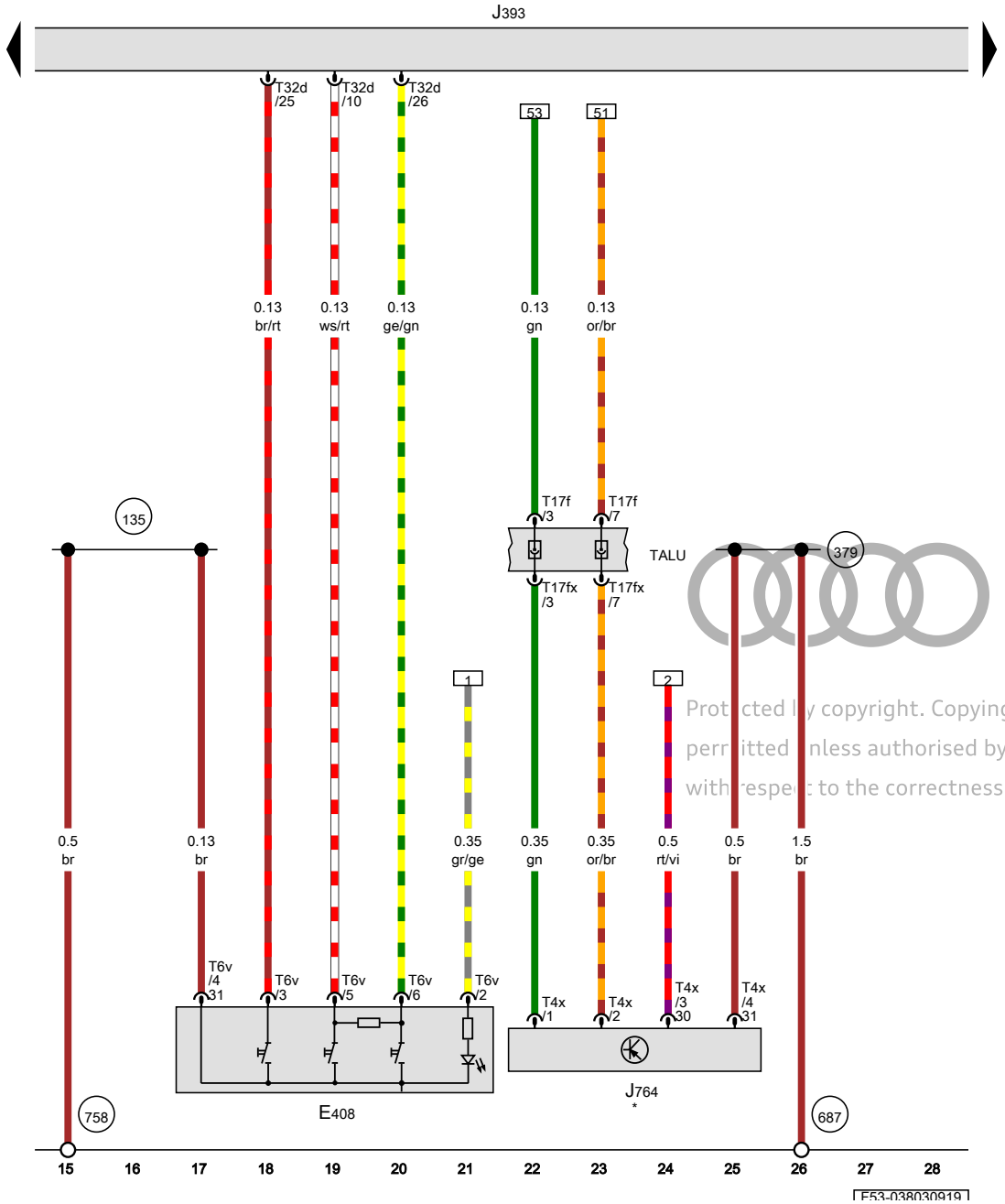
Convenience system central control unit, Onboard supply control unit, Fuse holder C

J393	Convenience system central control unit
J519	Onboard supply control unit
SC	Fuse holder C
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SC7	Fuse 7 on fuse holder C
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
T73a	73-pin connector, black
50	Earth point, on left in luggage compartment
391	Earth connection 26, in main wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Entry and start authorisation button, Convenience system central control unit, Control unit for electronic steering column lock

E408	Entry and start authorisation button
J393	Convenience system central control unit
J764	Control unit for electronic steering column lock
T4x	4-pin connector, black
T6v	6-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32d	32-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
135	Earth connection 2, in dash panel wiring harness
379	Earth connection 14, in main wiring harness
687	Earth point 1, on centre tunnel
758	Earth point 3, on centre tunnel
*	Country specific

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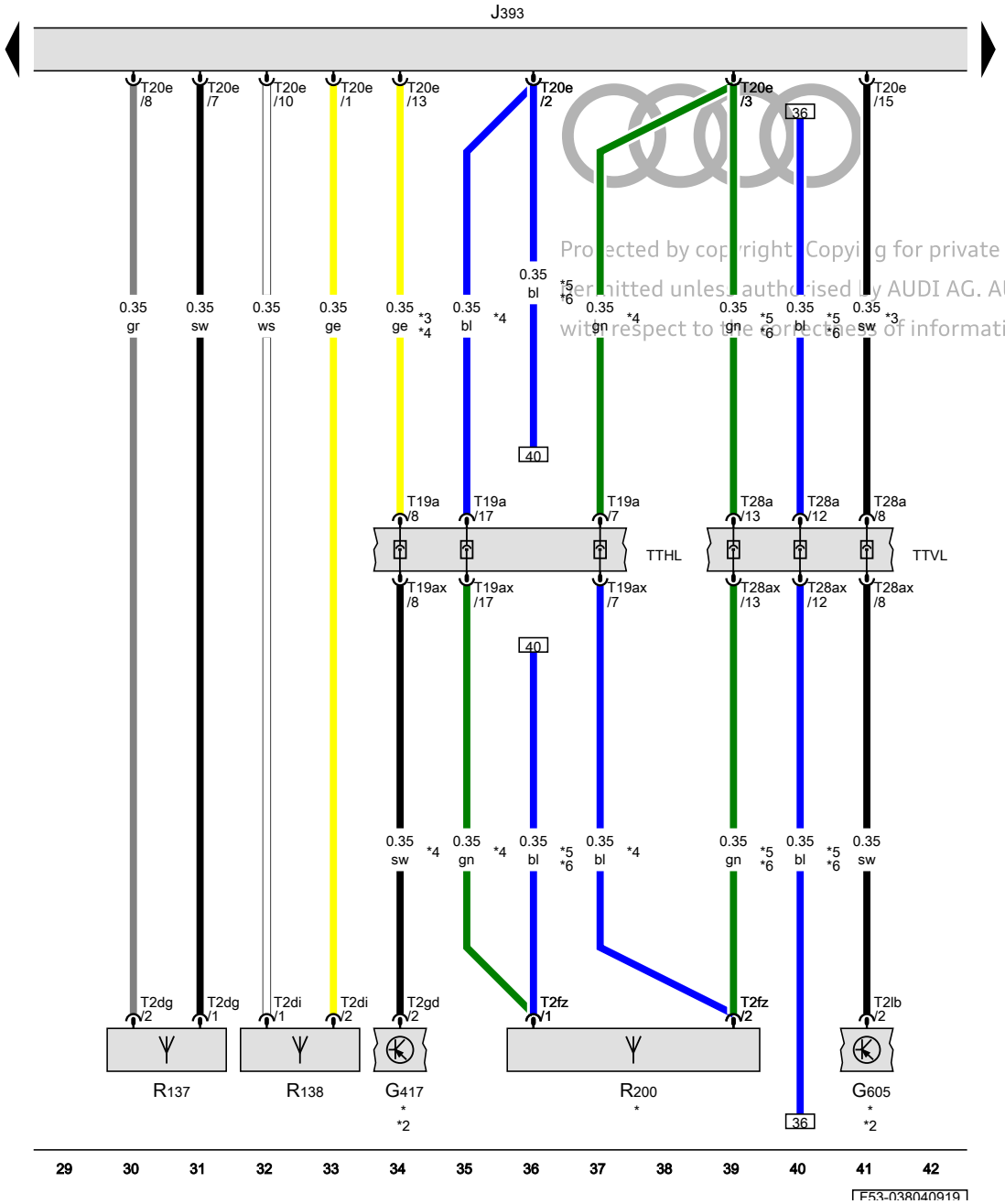
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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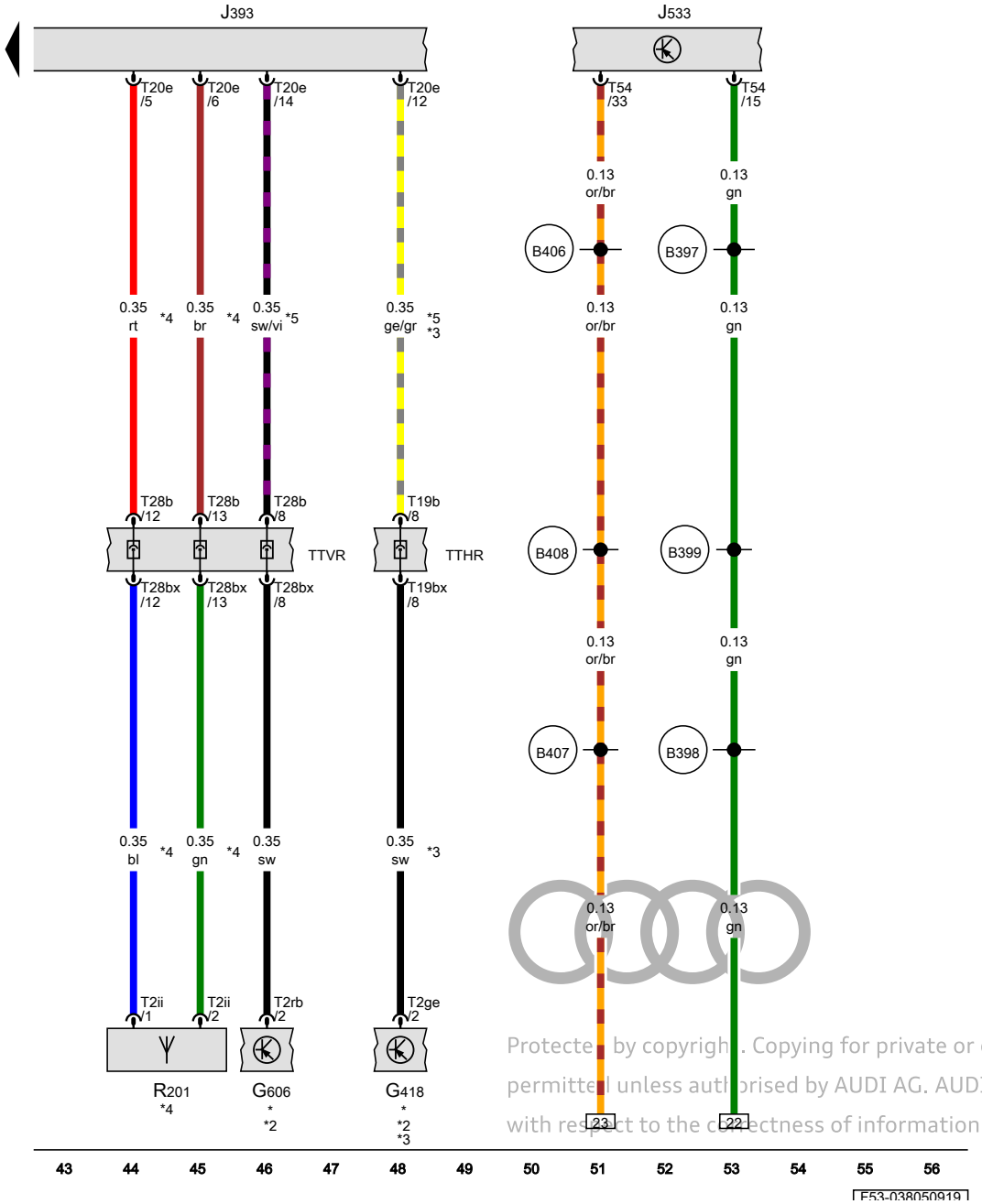
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, Luggage compartment aerial for entry and start system, Interior aerial 1 for entry and start system, Left aerial for entry and start authorisation

G417	Contact sensor for rear left exterior door handle
G605	Contact sensor for front left exterior door handle
J393	Convenience system central control unit
R137	Luggage compartment aerial for entry and start system
R138	Interior aerial 1 for entry and start system
R200	Left aerial for entry and start authorisation
T2dg	2-pin connector, black
T2di	2-pin connector, black
T2fz	2-pin connector, black
T2gd	2-pin connector, black
T2lb	2-pin connector, black
T19a	19-pin connector, black
T19ax	19-pin connector, black
T20e	20-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTHL	Coupling point for rear left door
TTVL	Coupling point for front left door
*	Optional equipment
*2	see applicable current flow diagram for convenience system
*3	Cross section depends on equipment
*4	Sportback
*5	Coupé
*6	For Cabriolet models



Convenience system central control unit, Data bus diagnostic interface, Right aerial for entry and start authorisation

G418	Contact sensor for rear right exterior door handle
G606	Contact sensor for front right exterior door handle
J393	Convenience system central control unit
J533	Data bus diagnostic interface
R201	Right aerial for entry and start authorisation
T2ge	2-pin connector, black
T2ii	2-pin connector, black
T2rb	2-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T20e	20-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
T54	54-pin connector, black
TTHR	Coupling point for rear right door
TTVR	Coupling point for front right door
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	Optional equipment
*2	see applicable current flow diagram for convenience system
*3	Sportback
*4	For Cabriolet models
*5	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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Garage door opener , (VC1),(VC2)

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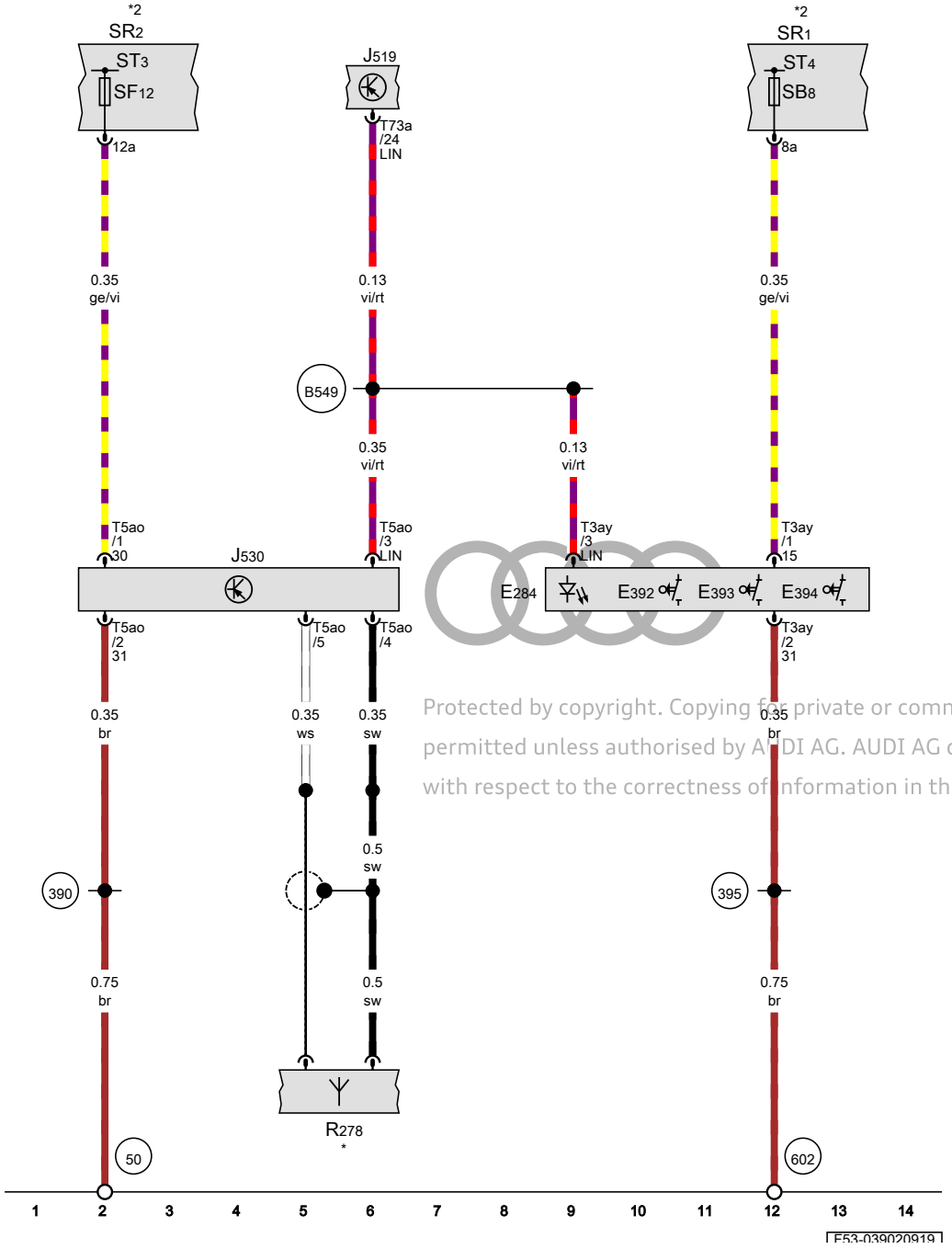

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Garage door operating unit, Garage door opener button 1, Garage door operation control unit

E284	Garage door operating unit
E392	Garage door opener button 1
E393	Garage door opener button 2
E394	Garage door opener button 3
J519	Onboard supply control unit
J530	Garage door operation control unit
R278	Programming aerial for garage door opener, near to rear seat
SR1	Relay and fuse carrier 1
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
ST4	Fuse carrier 4, black
SB8	Fuse 8 on fuse holder B
SF12	Fuse 12 in fuse holder F
T3ay	3-pin connector, black
T5ao	5-pin connector, black
T73a	73-pin connector, black
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
395	Earth connection 30, in main wiring harness
602	Earth point, in front left footwell
B549	Connection 2 (LIN bus) in main wiring harness
*	Wiring open end
*2	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Sliding sunroof (open-sky system) , (3FB),(3FE),(3FU)

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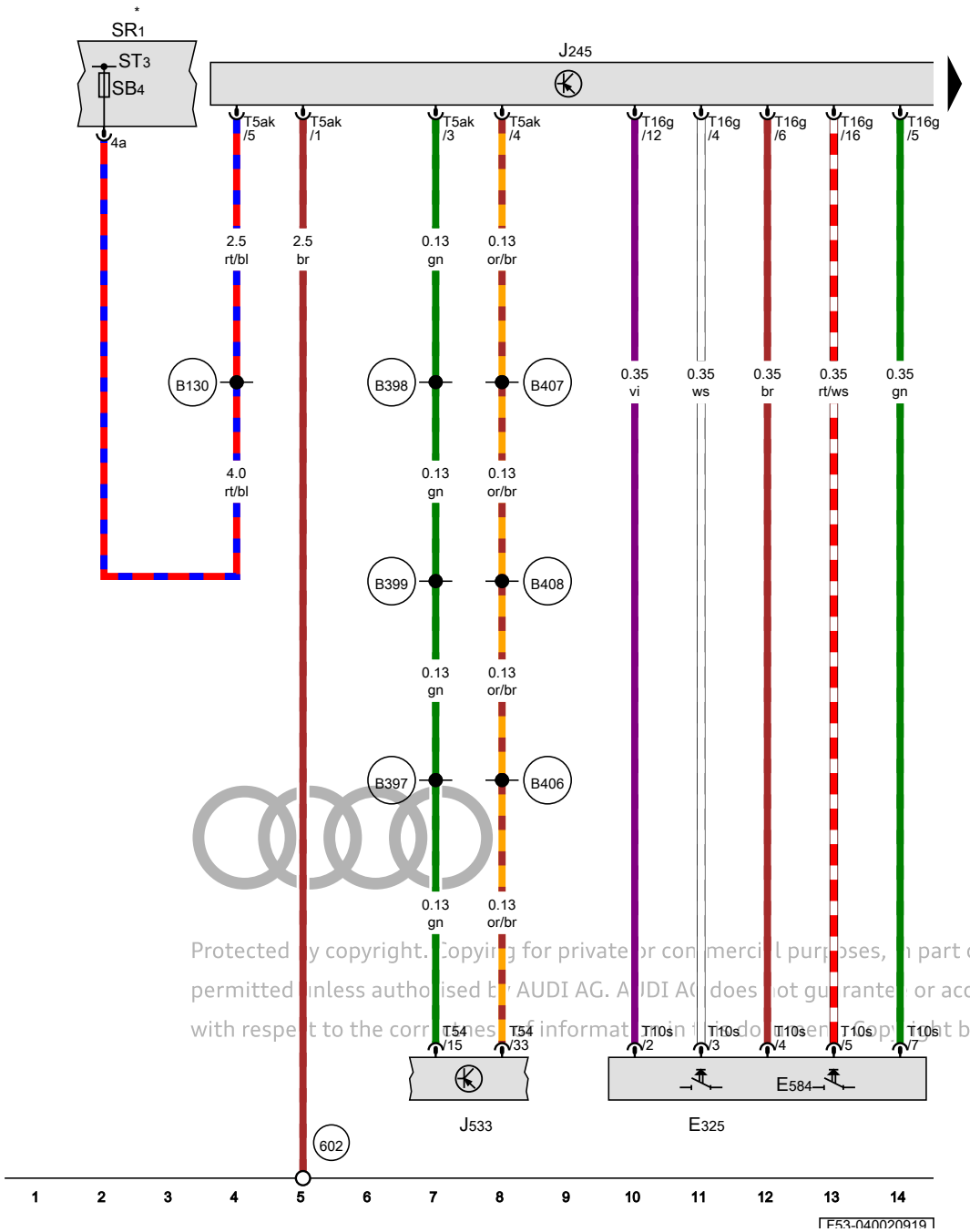

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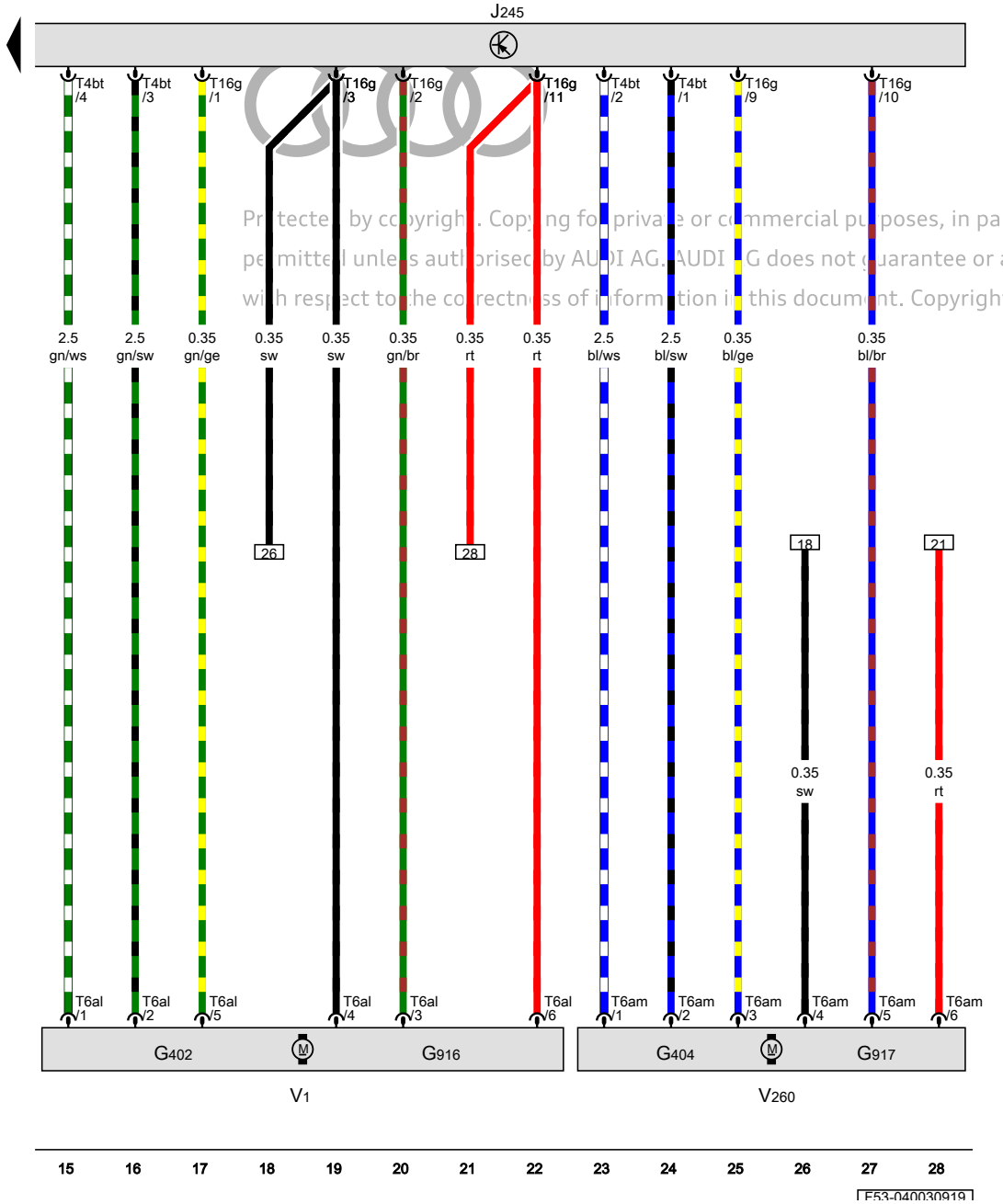
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Sunroof button, Sliding sunroof adjustment control unit

E325	Sunroof button
E584	Button 1 for roof roller blind
J245	Sliding sunroof adjustment control unit
J533	Data bus diagnostic interface
SR1	Relay and fuse carrier 1
ST3	Fuse carrier 3, black
SB4	Fuse 4 on fuse holder B
T5ak	5-pin connector, black
T10s	10-pin connector, black
T16g	16-pin connector, black
T54	54-pin connector, black
602	Earth point, in front left footwell
B130	Connection (sliding sunroof), in interior wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	see applicable current flow diagram for fuse assignment



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Sliding sunroof adjustment control unit, Sliding sunroof motor, Sunroof roller blind motor

G402	Front sunroof motor Hall sender
G404	Sunroof roller blind motor Hall sender
G916	Hall sender 2 for front sunroof motor
G917	Hall sender 2 for sunroof roller blind motor
J245	Sliding sunroof adjustment control unit
T4bt	4-pin connector, black
T6al	6-pin connector, black
T6am	6-pin connector, black
T16g	16-pin connector, black
V1	Sliding sunroof motor
V260	Sunroof roller blind motor

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Auxiliary heater , (9M1),(9M5),(9M9)

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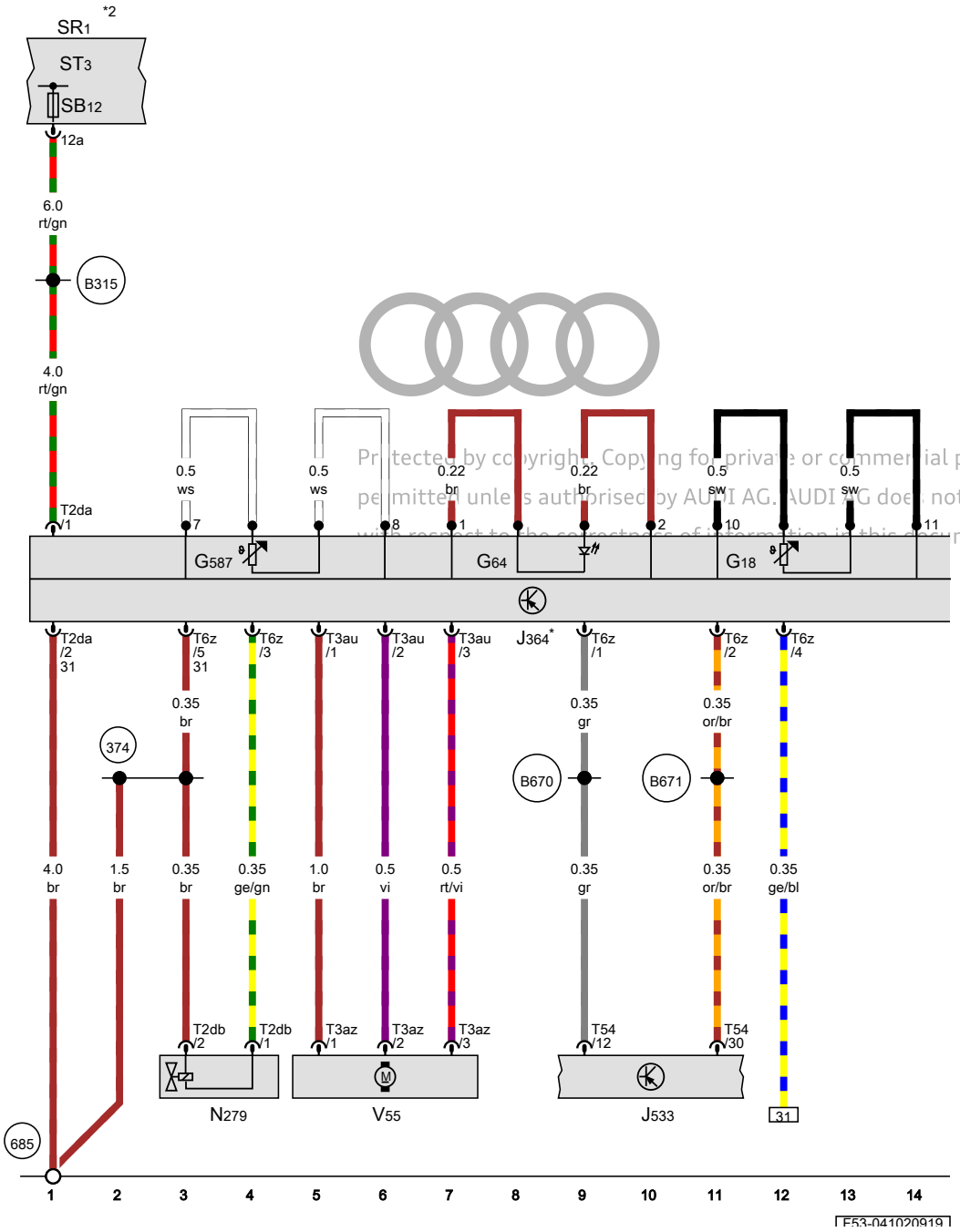

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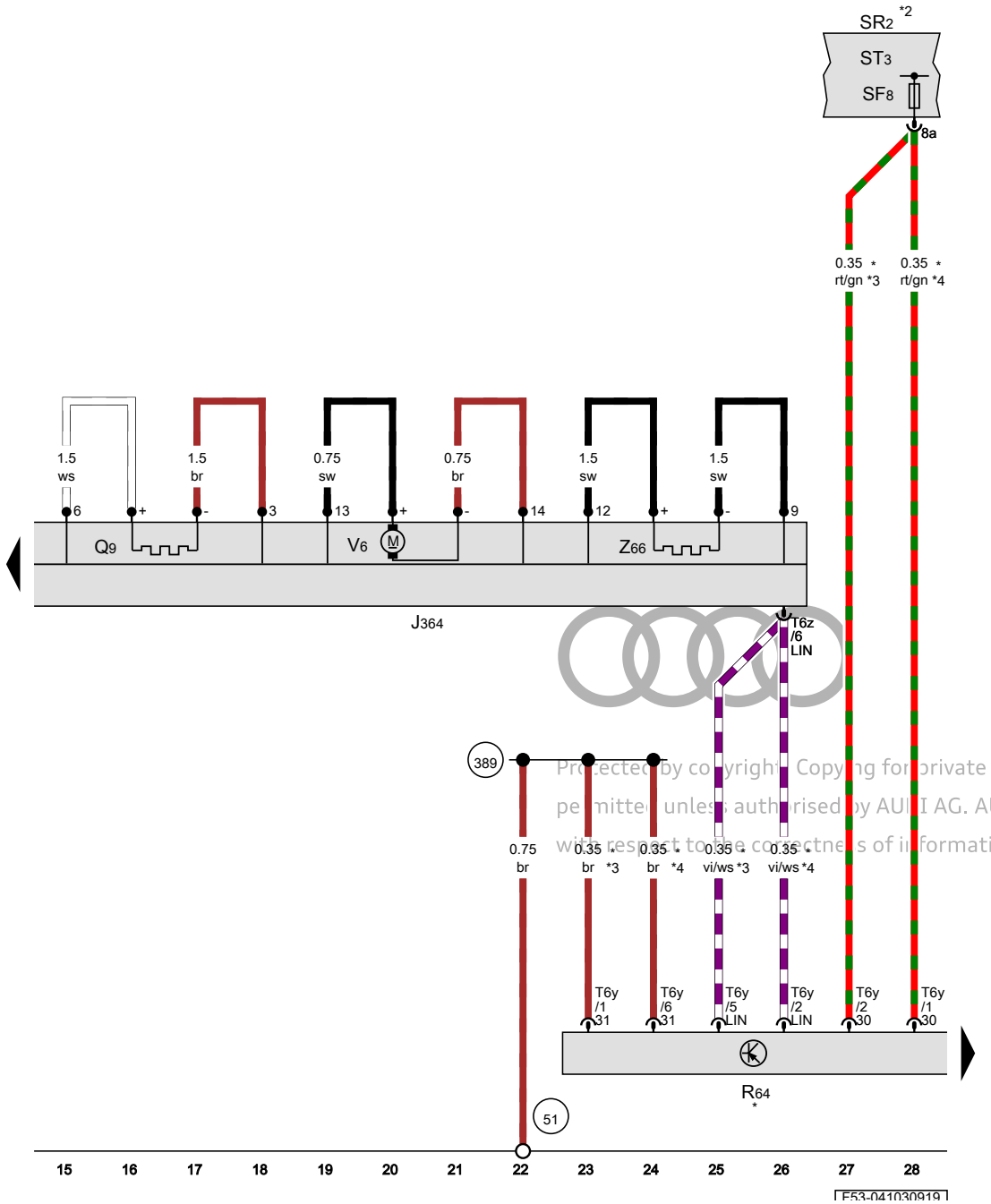
Auxiliary heater control unit, Heater coolant shut-off valve

G18	Temperature sensor
G64	Flame monitor
G587	Temperature sensor 2 for supplementary and auxiliary heating
J364	Auxiliary heater control unit
J533	Data bus diagnostic interface
N279	Heater coolant shut-off valve
SR1	Relay and fuse carrier 1
ST3	Fuse carrier 3, black
SB12	Fuse 12 on fuse holder B
T2da	2-pin connector, brown
T2db	2-pin connector, black
T3au	3-pin connector, black
T3az	3-pin connector, black
T6z	6-pin connector, black
T54	54-pin connector, black
V55	Circulation pump
374	Earth connection 9, in main wiring harness
685	Earth point 1, on front of right longitudinal member
B315	Positive connection 1 (30a) in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	Pre-wired component
*2	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Auxiliary heater control unit, Remote control receiver for auxiliary heater

J364	Auxiliary heater control unit
Q9	Glow plug for heater
R64	Remote control receiver for auxiliary heater
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF8	Fuse 8 in fuse holder F
T6y	6-pin connector, blue
T6z	6-pin connector, black
V6	Combustion air blower
Z66	Fuel pre-heating heater element
51	Earth point, on right in luggage compartment
389	Earth connection 24, in main wiring harness
*	For models with remote control receiver for auxiliary heater
*2	see applicable current flow diagram for fuse assignment
*3	Up to June 2018
*4	From June 2018

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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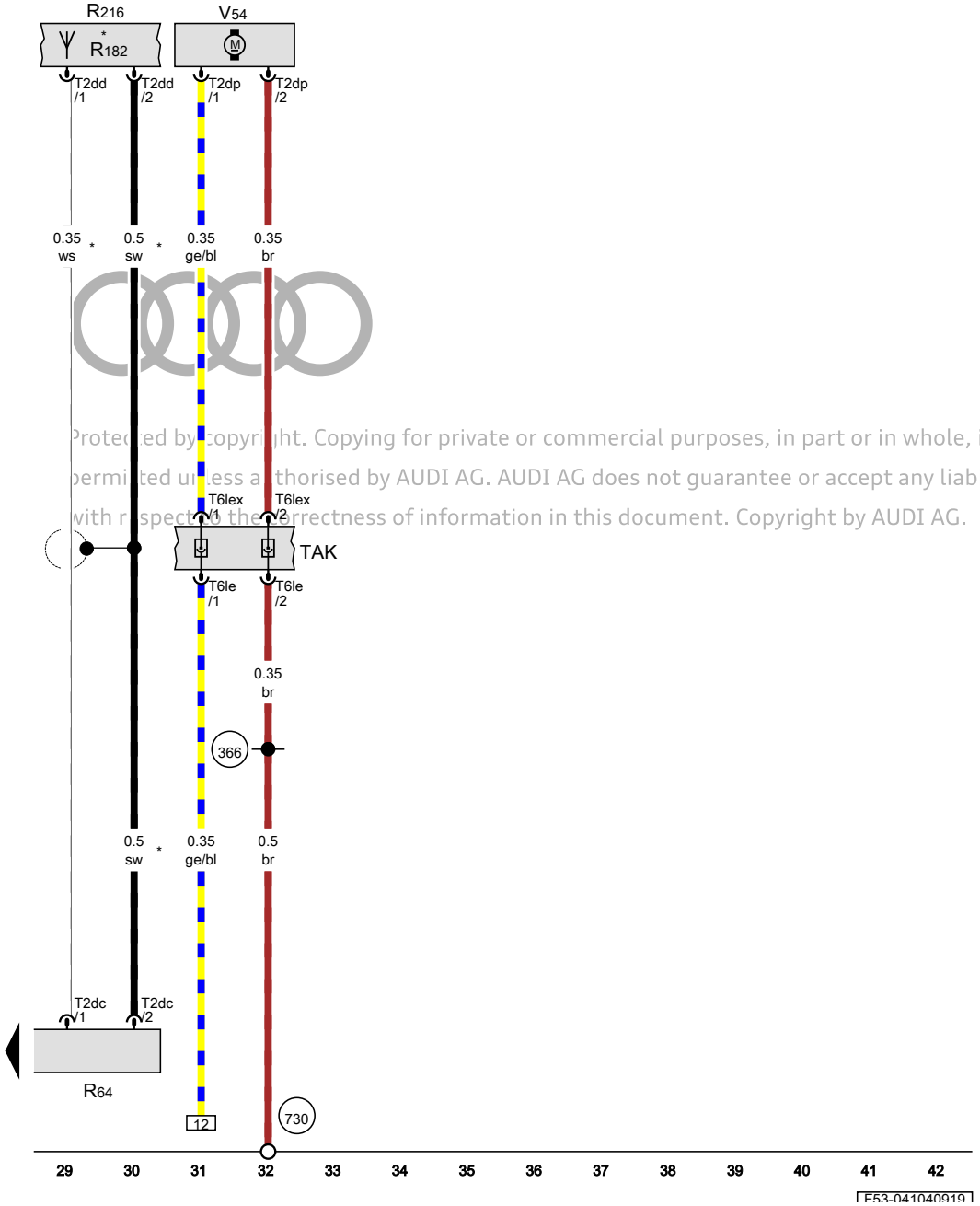

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li = purple
vi = purple
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or = orange
rs = pink

Remote control receiver for auxiliary heater, Auxiliary heater aerial, Roof aerial, Metering pump

R64	Remote control receiver for auxiliary heater
R182	Auxiliary heater aerial
R216	Roof aerial
T2dc	2-pin connector, colourless
T2dd	2-pin connector, colourless
T2dp	2-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
TAK	Coupling point for fuel tank
V54	Metering pump
366	Earth connection 1, in main wiring harness
730	Earth point 1, on right rear wheel housing
*	For models with remote control receiver for auxiliary heater

Radio , (I7Y)

From July 2016

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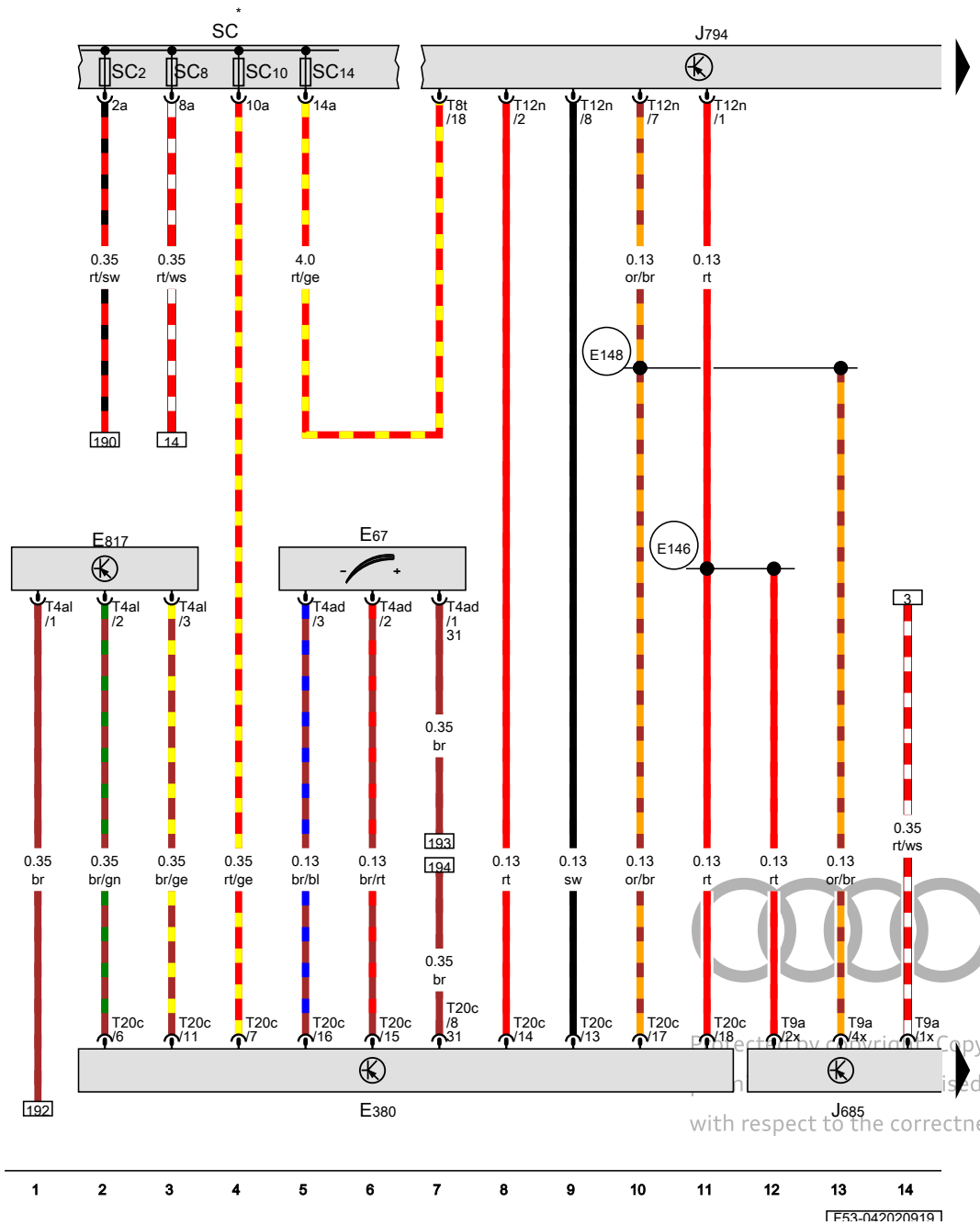

Driver side volume regulator, Multimedia system operating unit, Display unit for front information display and operating unit control unit, Control unit 1 for information electronics

E67	Driver side volume regulator
E380	Multimedia system operating unit
E817	Multimedia system button module
J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
SC	Fuse holder C
SC2	Fuse 2 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
T4ad	4-pin connector, black
T4al	4-pin connector, brown
T8t	8-pin connector, black
T9a	9-pin connector, black
T12n	12-pin connector, grey
T20c	20-pin connector, black
E146	Connection 2 (CAN bus, control unit 1 for information electronics, high)
E148	Connection 2 (CAN bus, control unit 1 for information electronics, low)
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
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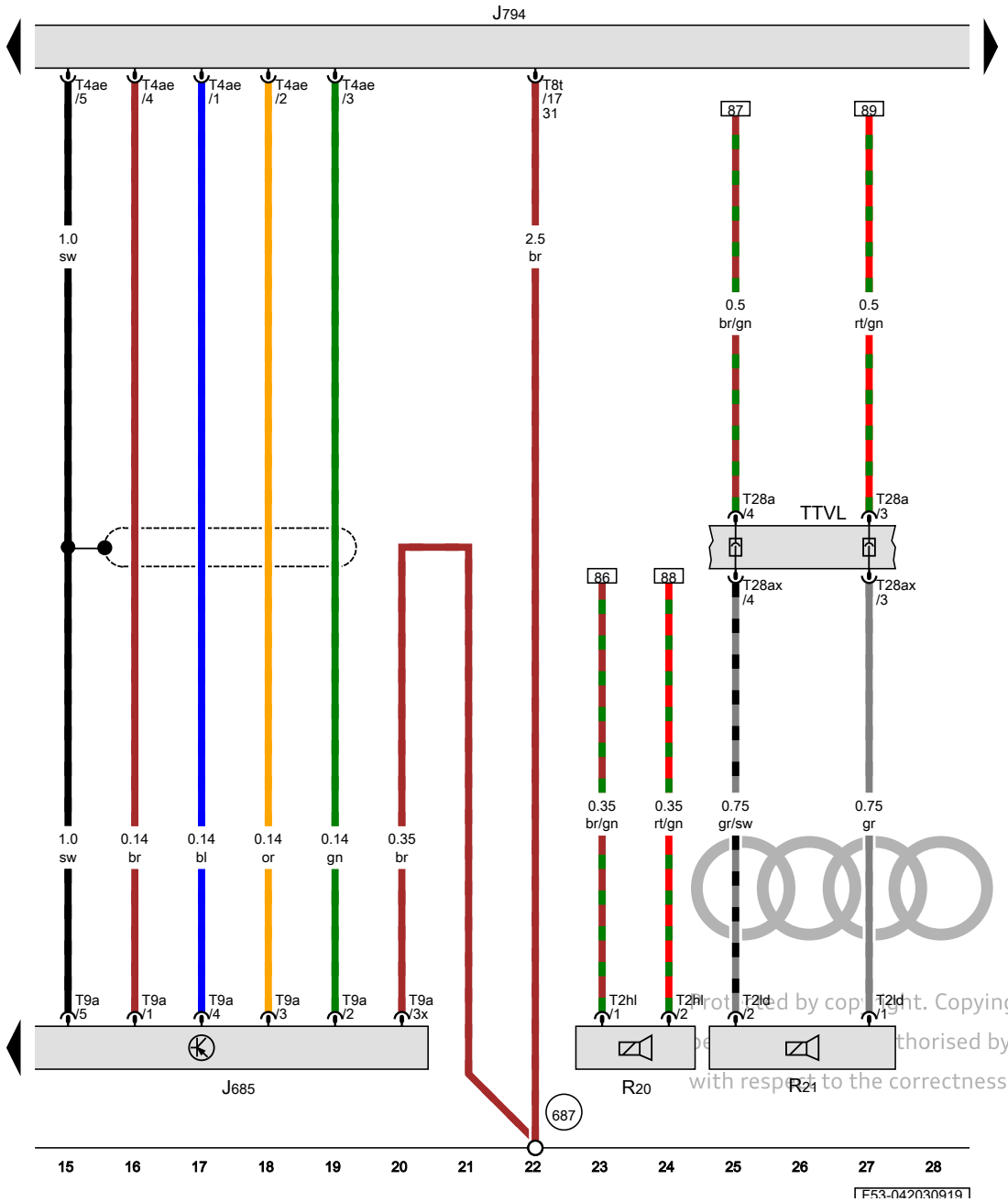

Display unit for front information display and operating unit control unit, Control unit 1 for information electronics, Front left treble loudspeaker, Front left bass loudspeaker

J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
T2hl	2-pin connector, blue
T2ld	2-pin connector, black
T4ae	4-pin connector, purple
T8t	8-pin connector, black
T9a	9-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
687	Earth point 1, on centre tunnel

ws	=	white
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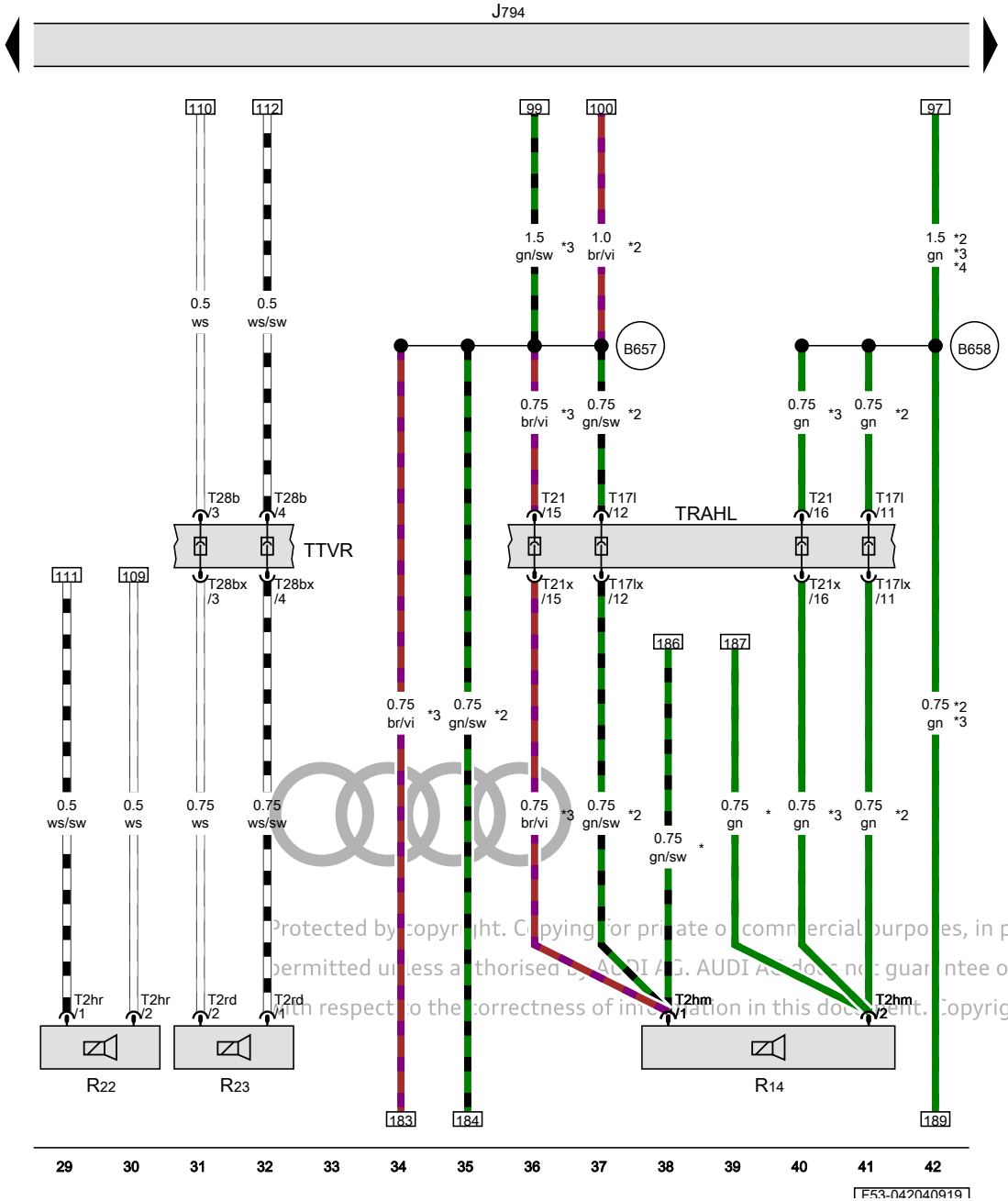

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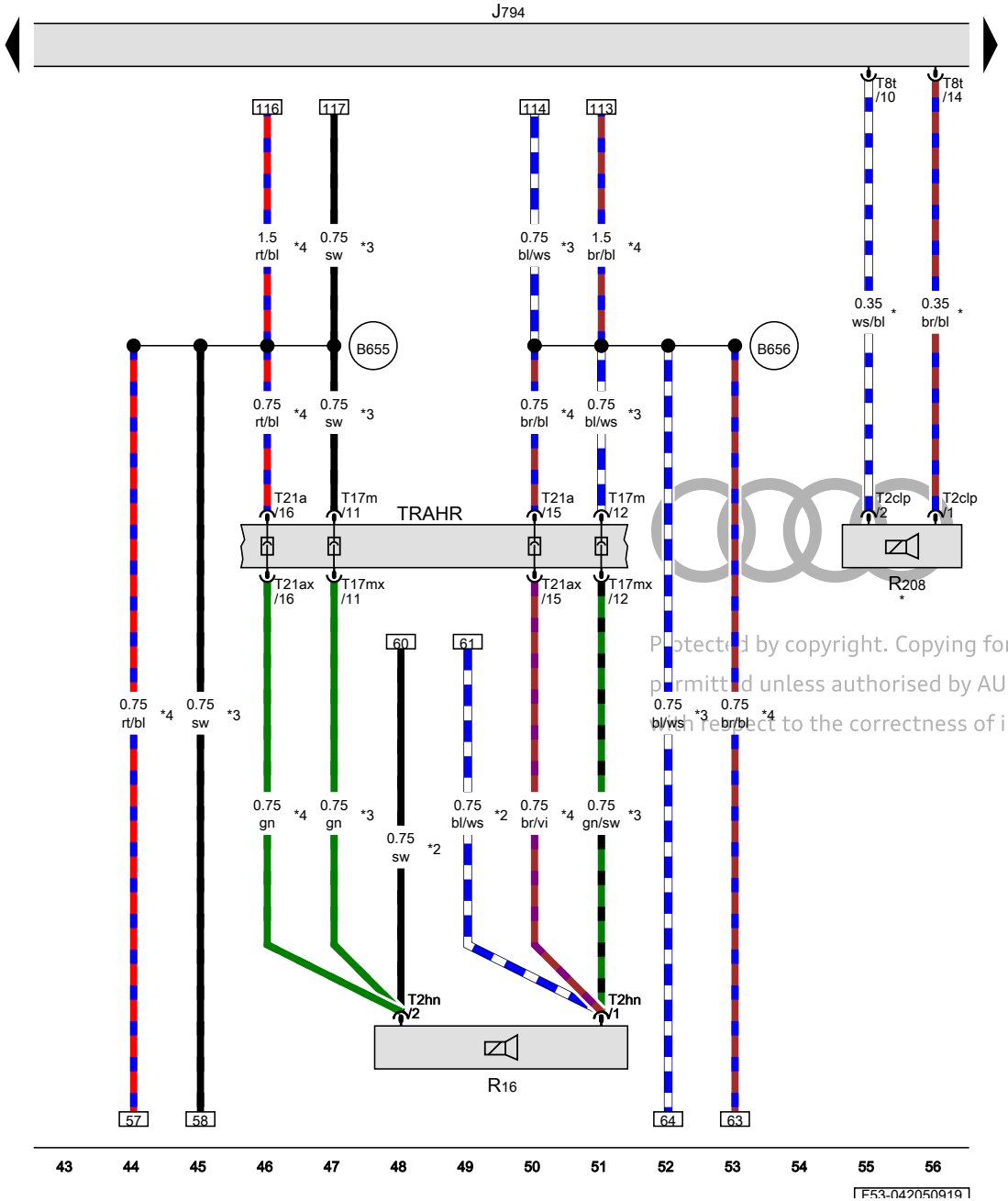
Control unit 1 for information electronics, Rear left treble loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

J794	Control unit 1 for information electronics
R14	Rear left treble loudspeaker
R22	Front right treble loudspeaker
R23	Front right bass loudspeaker
T2hm	2-pin connector, black
T2hr	2-pin connector, blue
T2rd	2-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
TTVR	Coupling point for front right door
B657	Connection 7 (loudspeaker), in main wiring harness
B658	Connection 8 (loudspeaker), in main wiring harness
*	Sportback
*2	Coupé
*3	For Cabriolet models
*4	Cross section depends on equipment

Control unit 1 for information electronics, Rear right treble loudspeaker



J794	Control unit 1 for information electronics
R16	Rear right treble loudspeaker
R208	Centre loudspeaker
T2clp	2-pin connector, black
T2hn	2-pin connector, black
T8t	8-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
B655	Connection 5 (loudspeaker), in main wiring harness
B656	Connection 6 (loudspeaker), in main wiring harness
*	For models with Standard sound system
*2	Sportback
*3	Coupé
*4	For Cabriolet models

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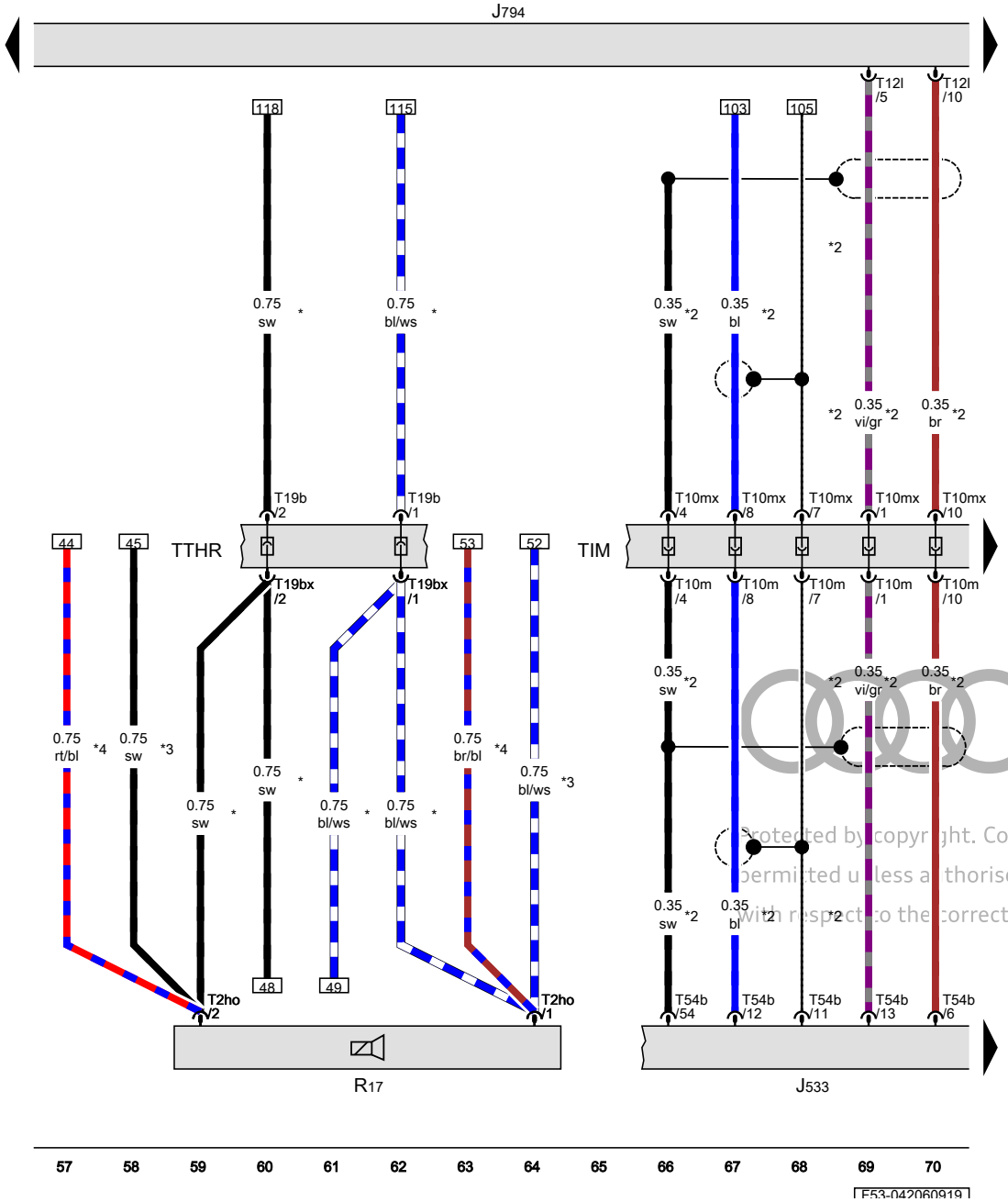
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Data bus diagnostic interface, Control unit 1 for information electronics, Rear right bass loudspeaker



J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R17	Rear right bass loudspeaker
T2ho	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12l	12-pin connector, blue
T19b	19-pin connector, black
T19bx	19-pin connector, black
T54b	54-pin connector, blue
TIM	Coupling point in interior, centre
TTHR	Coupling point for rear right door
*	Sportback
*2	According to equipment
*3	Coupé
*4	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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vi	=	purple
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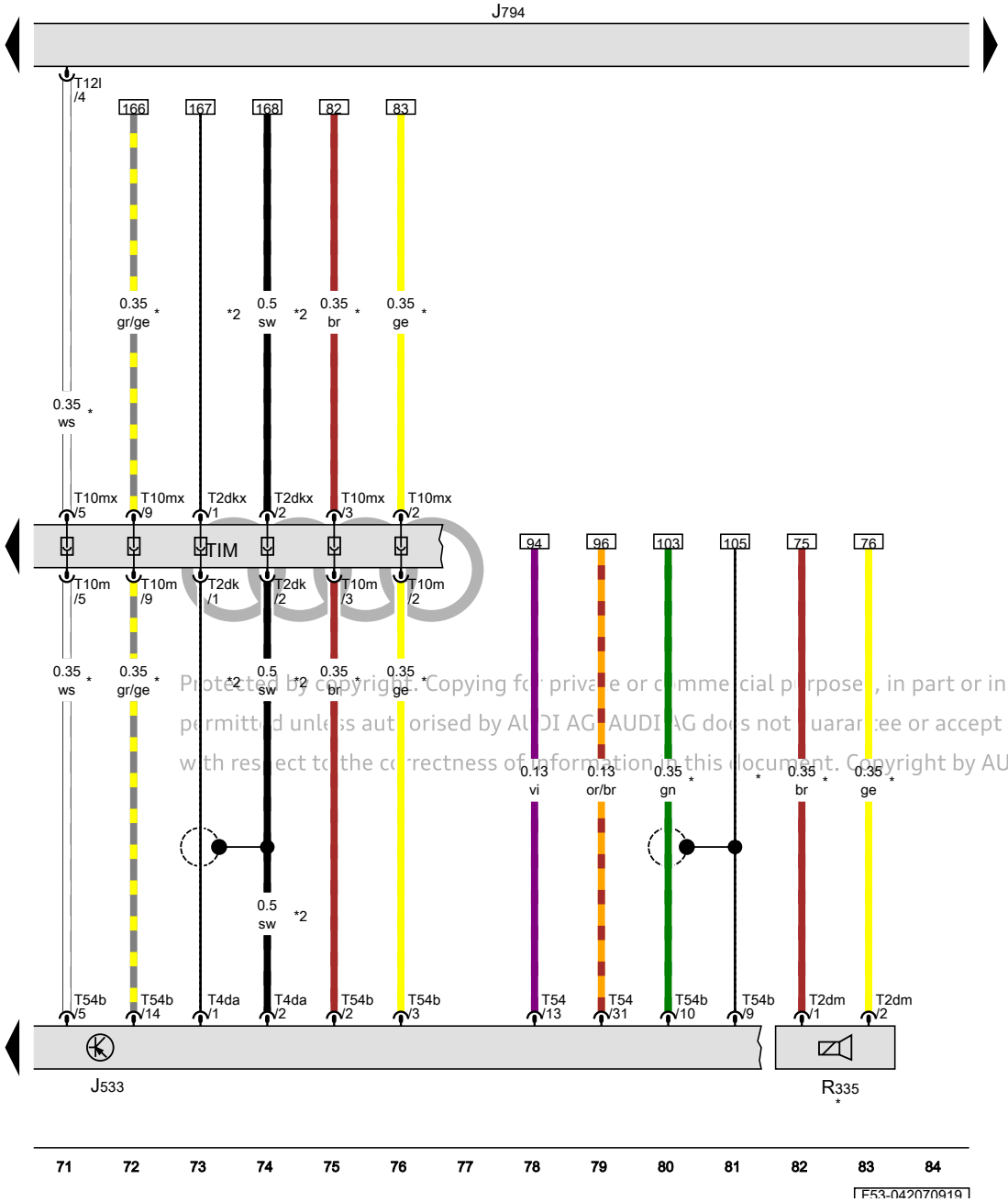
Data bus diagnostic interface, Control unit 1 for information electronics, Loudspeaker for emergency call module

J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R335	Loudspeaker for emergency call module
T2dk	2-pin connector, purple
T2dkx	2-pin connector, purple
T2dm	2-pin connector, black
T4da	4-pin connector, purple
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12l	12-pin connector, blue
T54	54-pin connector, black
T54b	54-pin connector, blue
TIM	Coupling point in interior, centre
*	According to equipment
*2	For models with emergency call module



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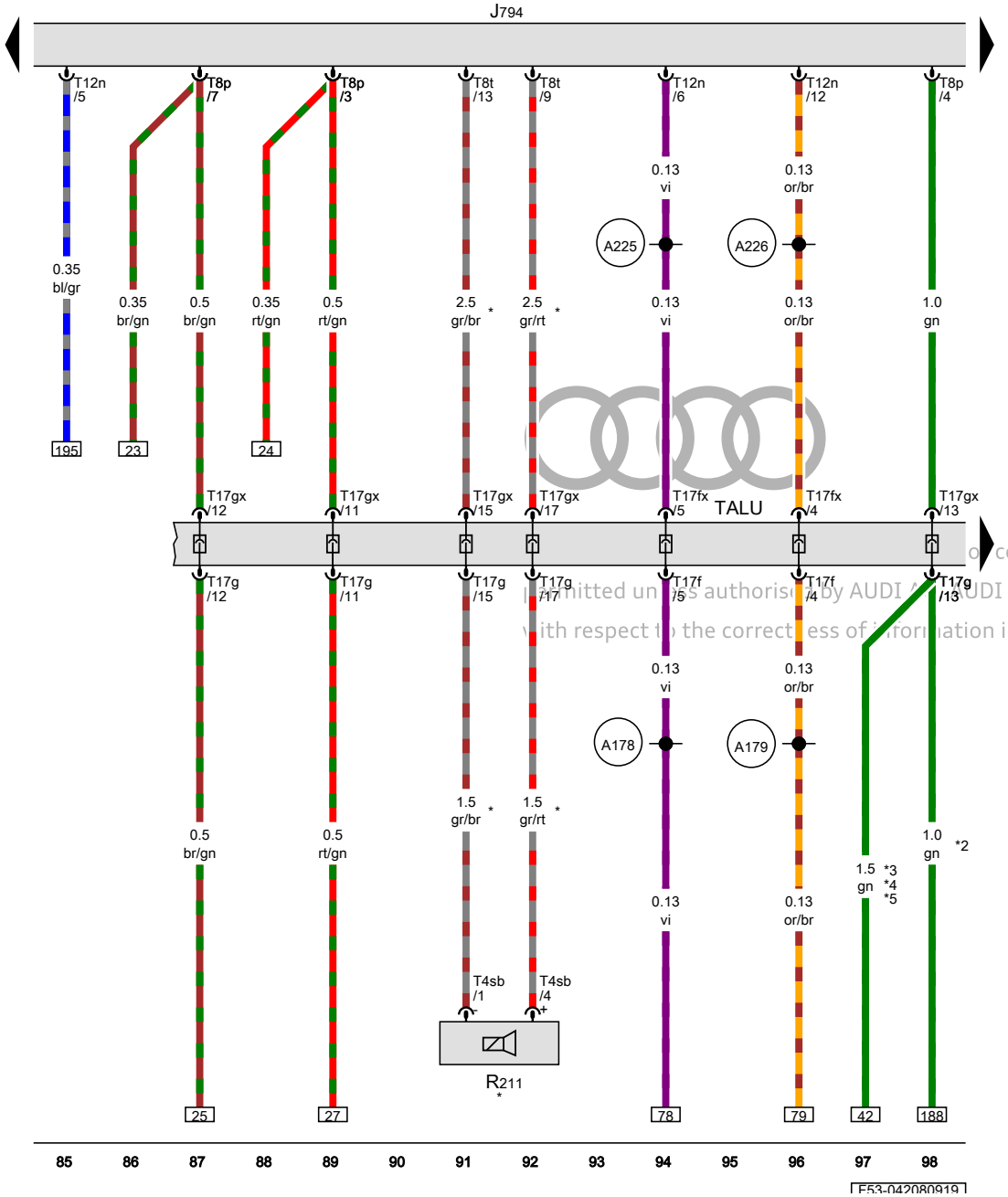

Control unit 1 for information electronics

J794	Control unit 1 for information electronics
R211	Subwoofer
T4sb	4-pin connector, black
T8p	8-pin connector, brown
T8t	8-pin connector, black
T12n	12-pin connector, grey
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	For models with Standard sound system
*2	Sportback
*3	Coupé
*4	For Cabriolet models
*5	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
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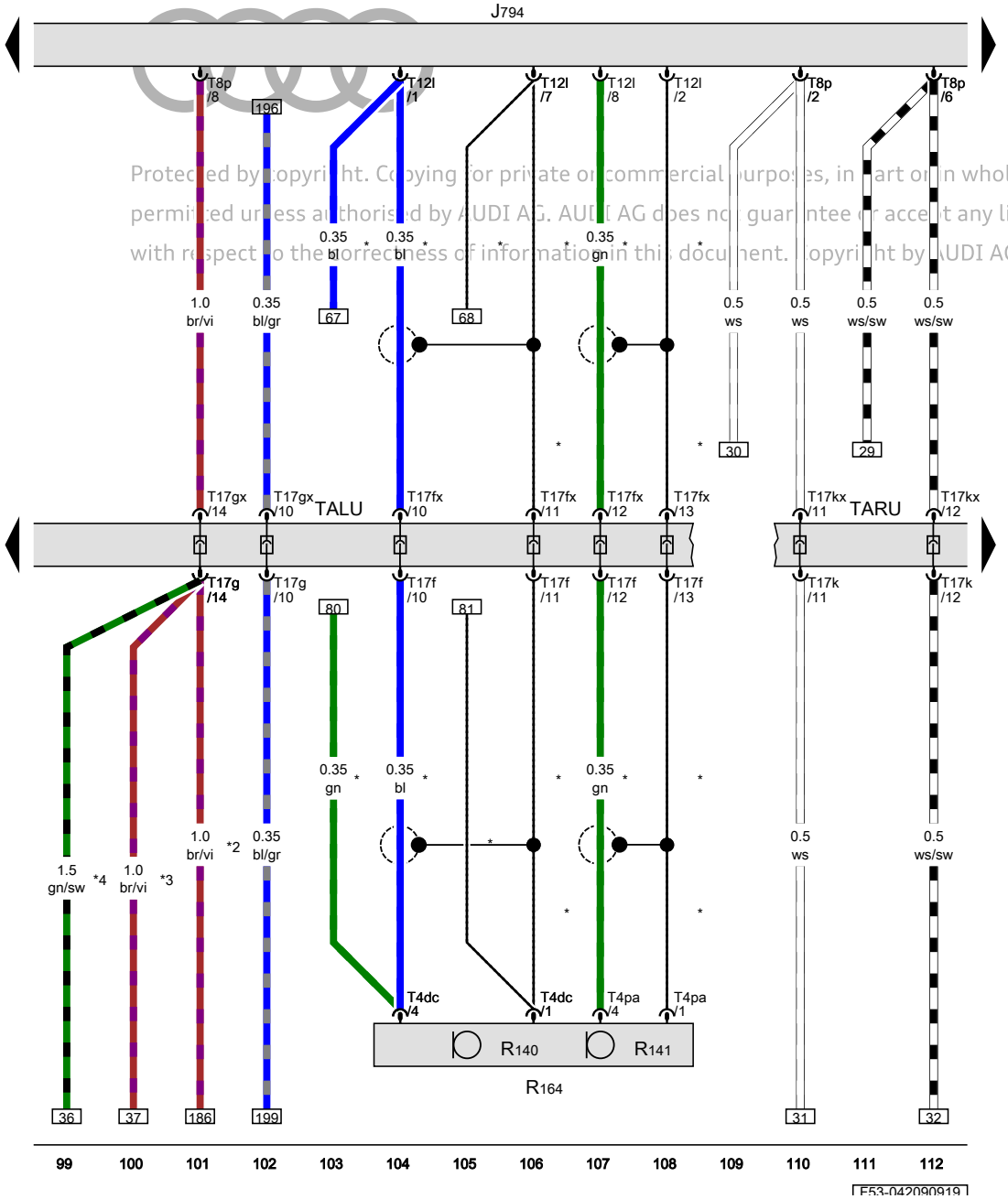

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Control unit 1 for information electronics, Front left microphone, Front right microphone, Microphone unit in front roof module

J794	Control unit 1 for information electronics
R140	Front left microphone
R141	Front right microphone
R164	Microphone unit in front roof module
T4dc	4-pin connector, grey
T4pa	4-pin connector, blue
T8p	8-pin connector, brown
T12l	12-pin connector, blue
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T17k	17-pin connector, green
T17kx	17-pin connector, green
TALU	Coupling point on left A-pillar, bottom
TARU	Coupling point on right A-pillar, bottom
*	According to equipment
*2	Sportback
*3	Coupé
*4	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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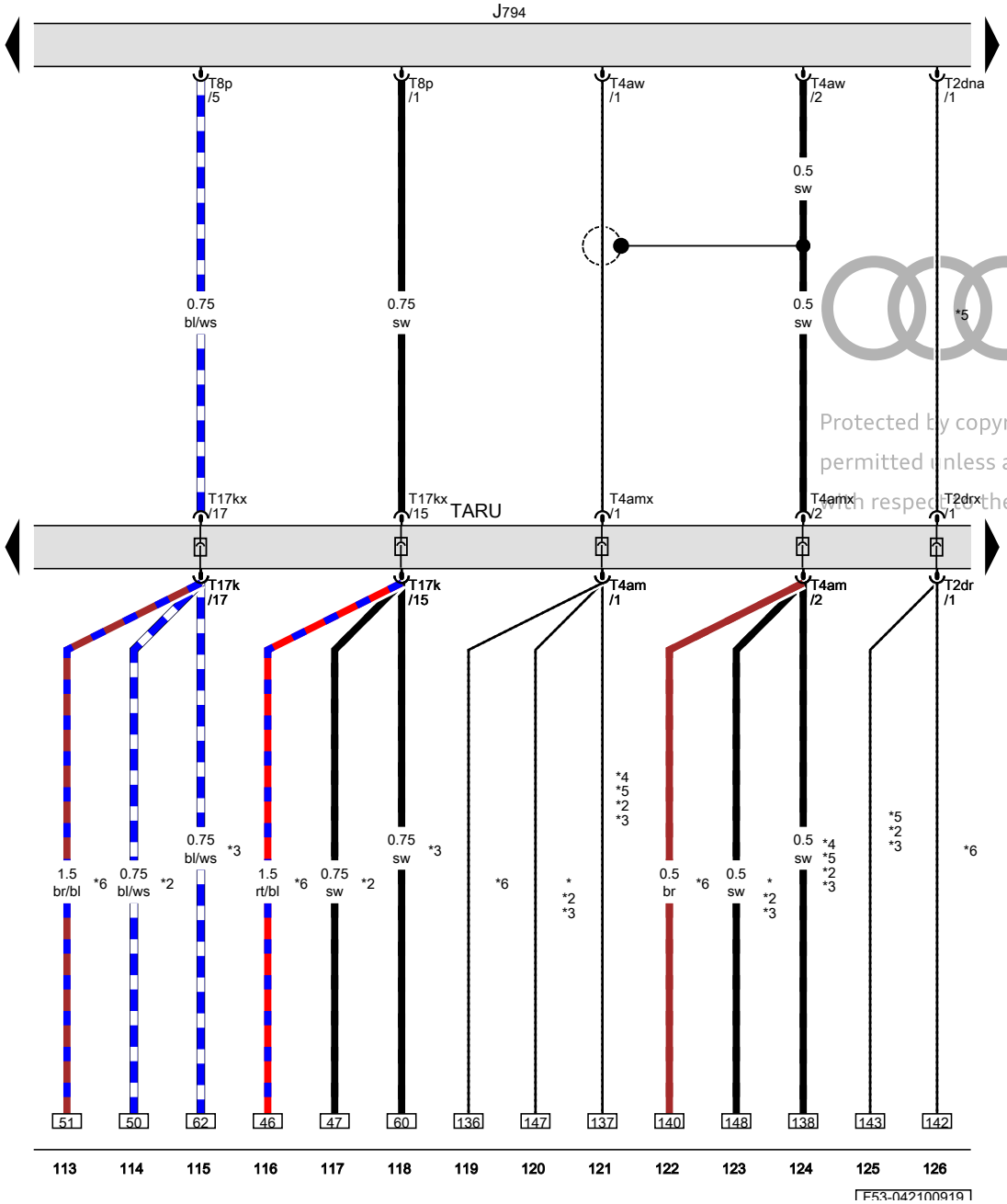

Control unit 1 for information electronics

J794	Control unit 1 for information electronics
T2dna	2-pin connector, black
T2dr	2-pin connector, black
T2drx	2-pin connector, black
T4am	4-pin connector, white
T4amx	4-pin connector, white
T4aw	4-pin connector, white
T8p	8-pin connector, brown
T17k	17-pin connector, green
T17kx	17-pin connector, green
TARU	Coupling point on right A-pillar, bottom
*	For models with no digital radio
*2	Coupé
*3	Sportback
*4	For models with no TV receiver
*5	For models with digital radio
*6	For Cabriolet models

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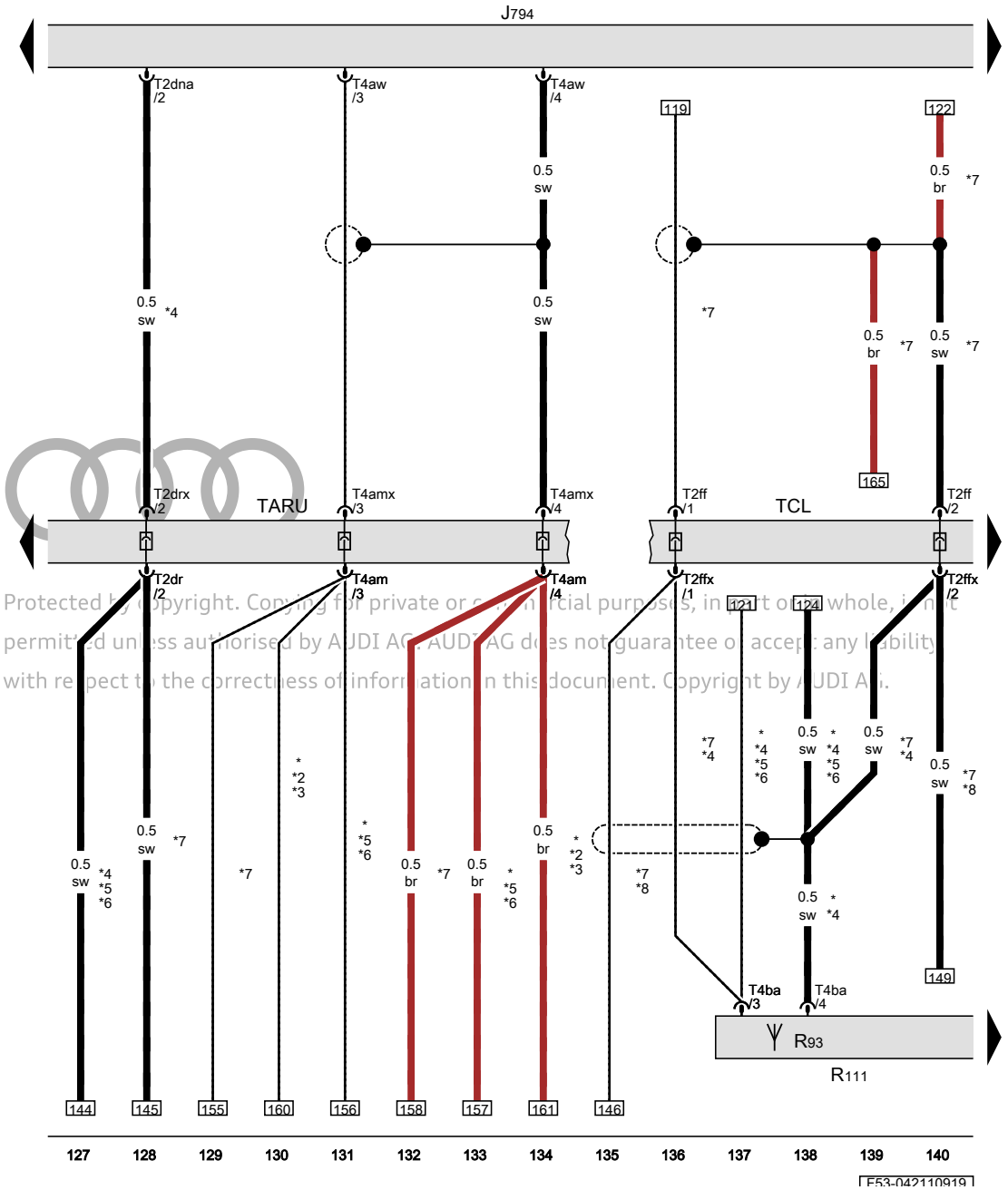
rs	=	pink

Control unit 1 for information electronics, Aerial amplifier 2

J794	Control unit 1 for information electronics
R93	Radio aerial 2
R111	Aerial amplifier 2
T2dna	2-pin connector, black
T2dr	2-pin connector, black
T2drx	2-pin connector, black
T2ff	2-pin connector, yellow
T2ffx	2-pin connector, yellow
T4am	4-pin connector, white
T4amx	4-pin connector, white
T4aw	4-pin connector, white
T4ba	4-pin connector, colourless
TARU	Coupling point on right A-pillar, bottom
TCL	Coupling point on left C-pillar, in rear left side panel
*	For models with no TV receiver
*2	For models with equipment for Japan
*3	According to equipment
*4	For models with digital radio
*5	Coupé
*6	Sportback
*7	For Cabriolet models
*8	For models with no digital radio



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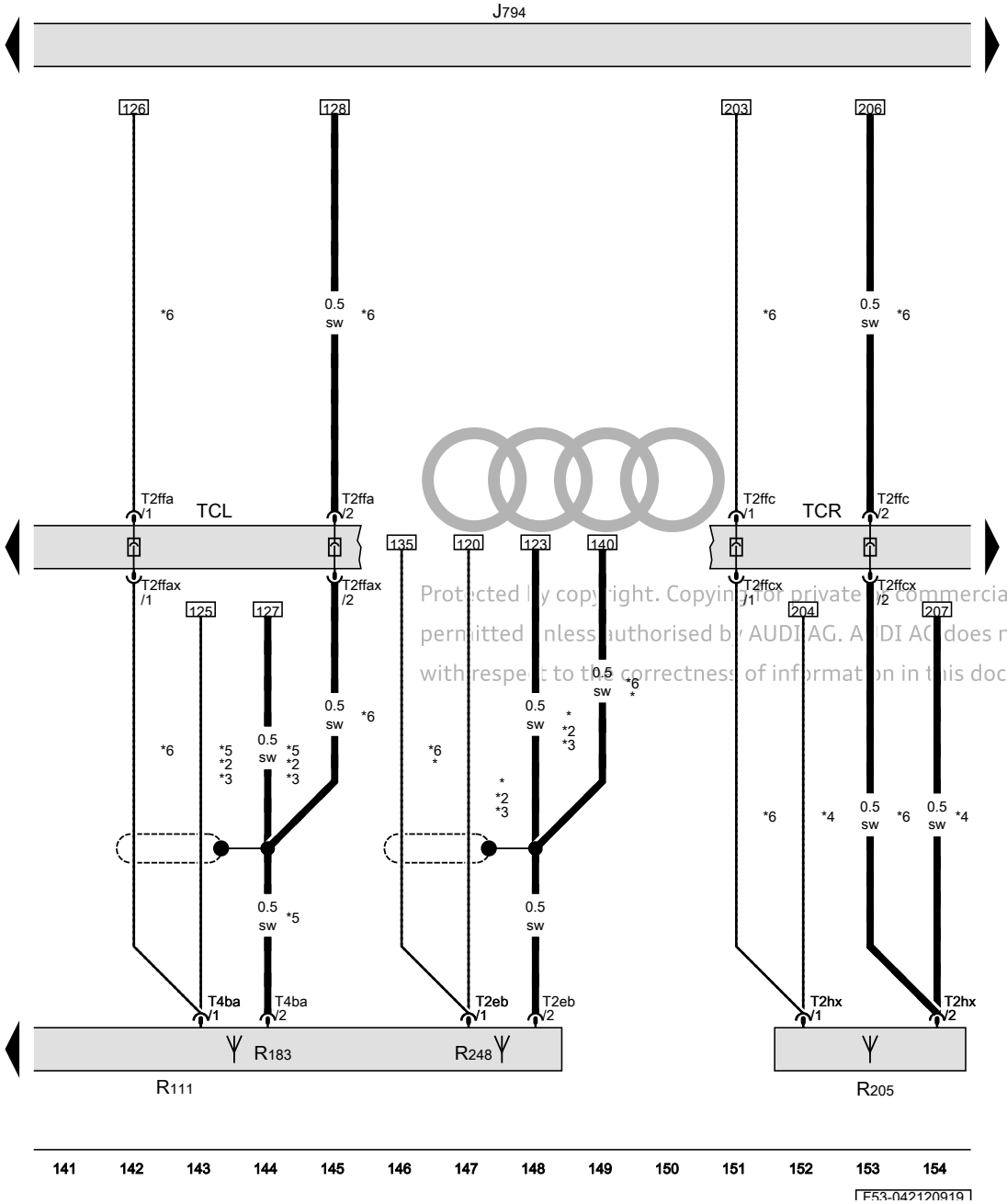
rs	=	pink

Control unit 1 for information electronics, Aerial amplifier 2

J794	Control unit 1 for information electronics
R111	Aerial amplifier 2
R183	Digital radio aerial
R205	GSM aerial
R248	Radio aerial
T2eb	2-pin connector, colourless
T2ffa	2-pin connector, black
T2ffax	2-pin connector, black
T2ffc	2-pin connector, purple
T2ffcx	2-pin connector, purple
T2hx	2-pin connector, purple
T4ba	4-pin connector, colourless
TCL	Coupling point on left C-pillar, in rear left side panel
TCR	Coupling point on right C-pillar, in rear right side panel
*	For models with no digital radio
*2	Coupé
*3	Sportback
*4	According to equipment
*5	For models with digital radio
*6	For Cabriolet models



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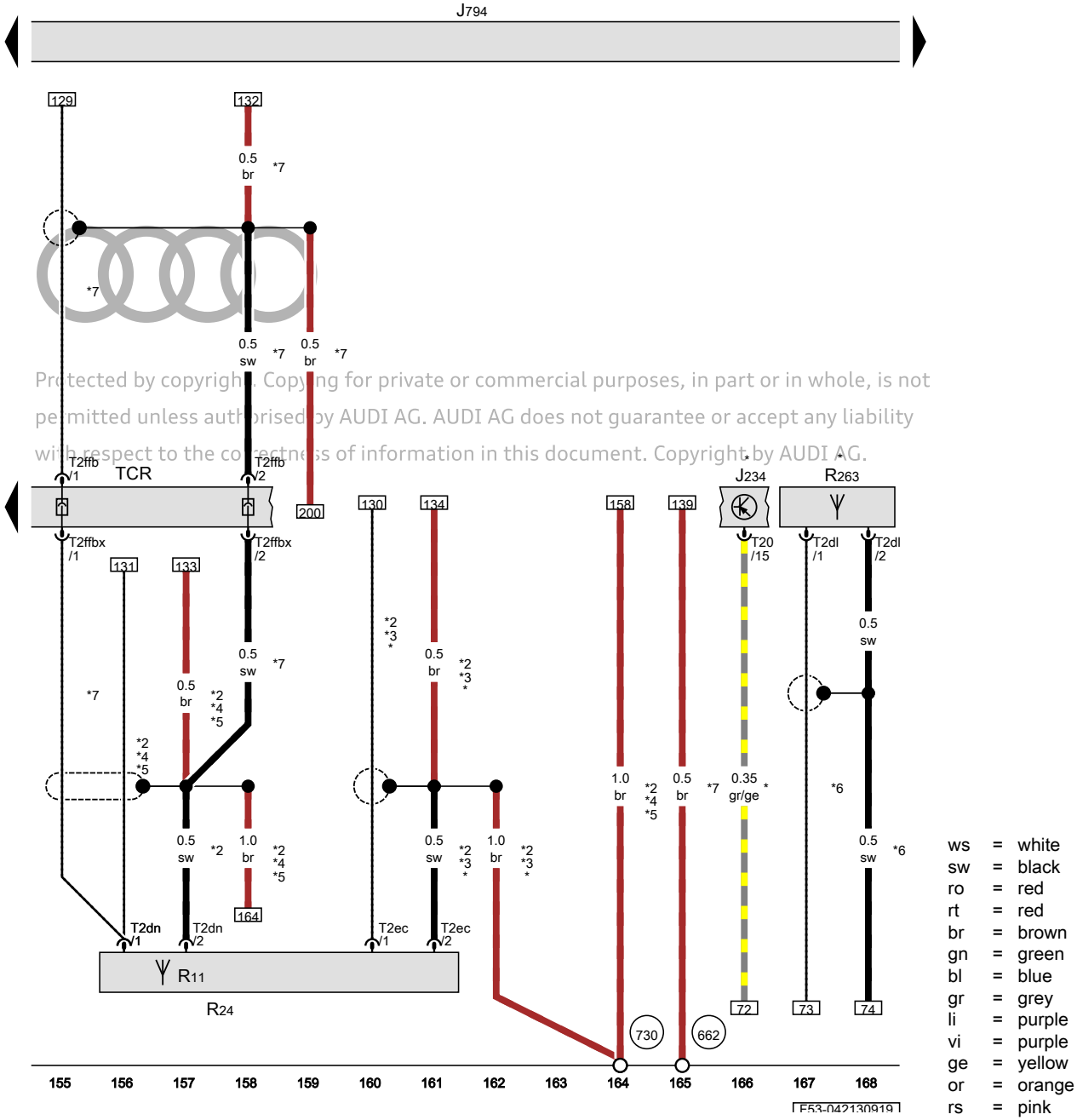

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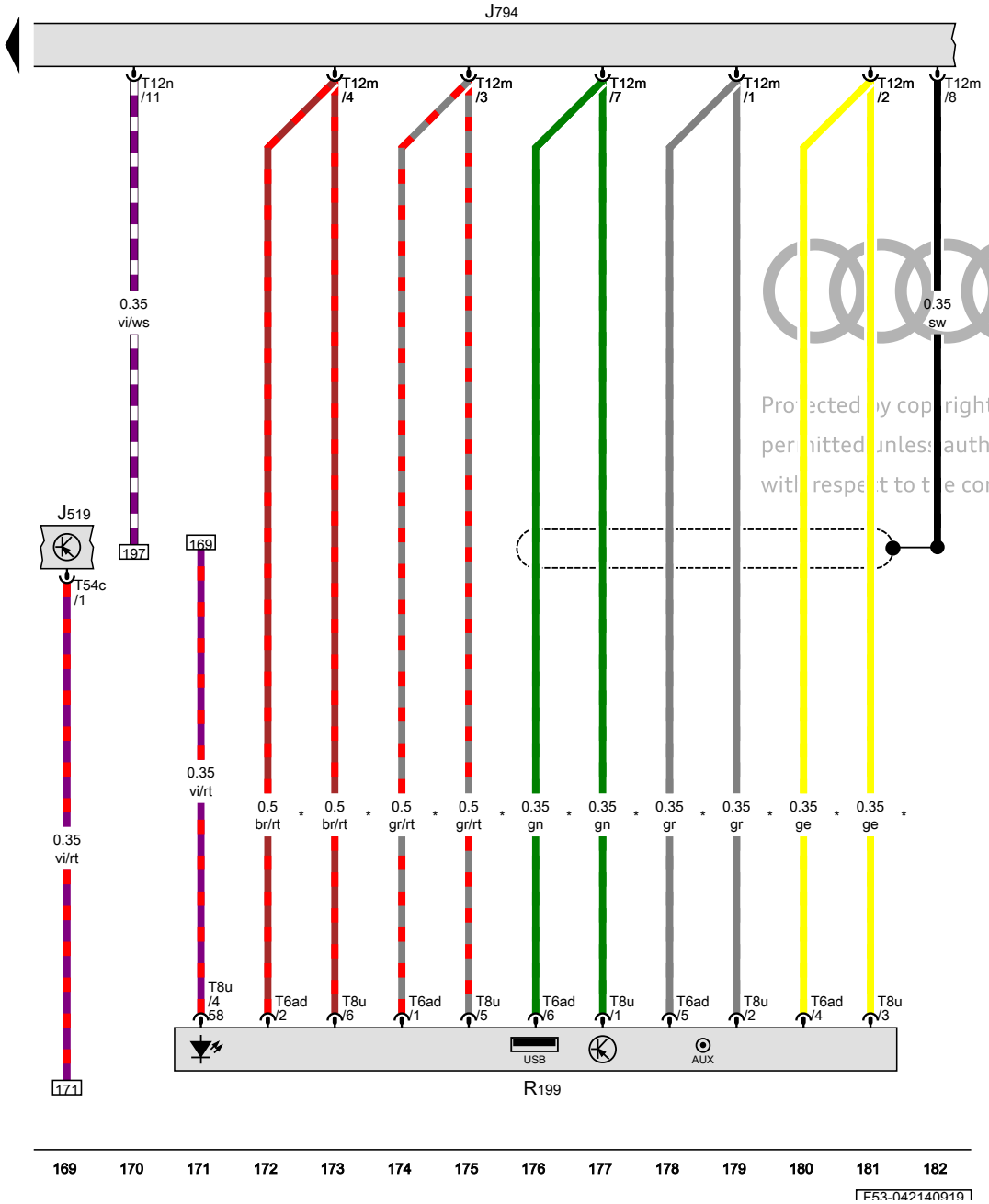
Control unit 1 for information electronics, Aerial amplifier, Emergency call module aerial

J234	Airbag control unit
J794	Control unit 1 for information electronics
R11	Aerial
R24	Aerial amplifier
R263	Emergency call module aerial
T2dl	2-pin connector, purple
T2dn	2-pin connector, white
T2ec	2-pin connector, purple
T2ffb	2-pin connector, green
T2ffbx	2-pin connector, green
T20	20-pin connector, yellow
TCR	Coupling point on right C-pillar, in rear right side panel
662	Earth point, rear left side panel
730	Earth point 1, on right rear wheel housing
*	According to equipment
*2	For models with no TV receiver
*3	For models with equipment for Japan
*4	Coupé
*5	Sportback
*6	For models with emergency call module
*7	For Cabriolet models

Control unit 1 for information electronics, Connection for external audio sources

J519	Onboard supply control unit
J794	Control unit 1 for information electronics
R199	Connection for external audio sources
T6ad	6-pin connector, brown
T8u	8-pin connector, brown
T12m	12-pin connector, green
T12n	12-pin connector, grey
T54c	54-pin connector, black
*	According to equipment



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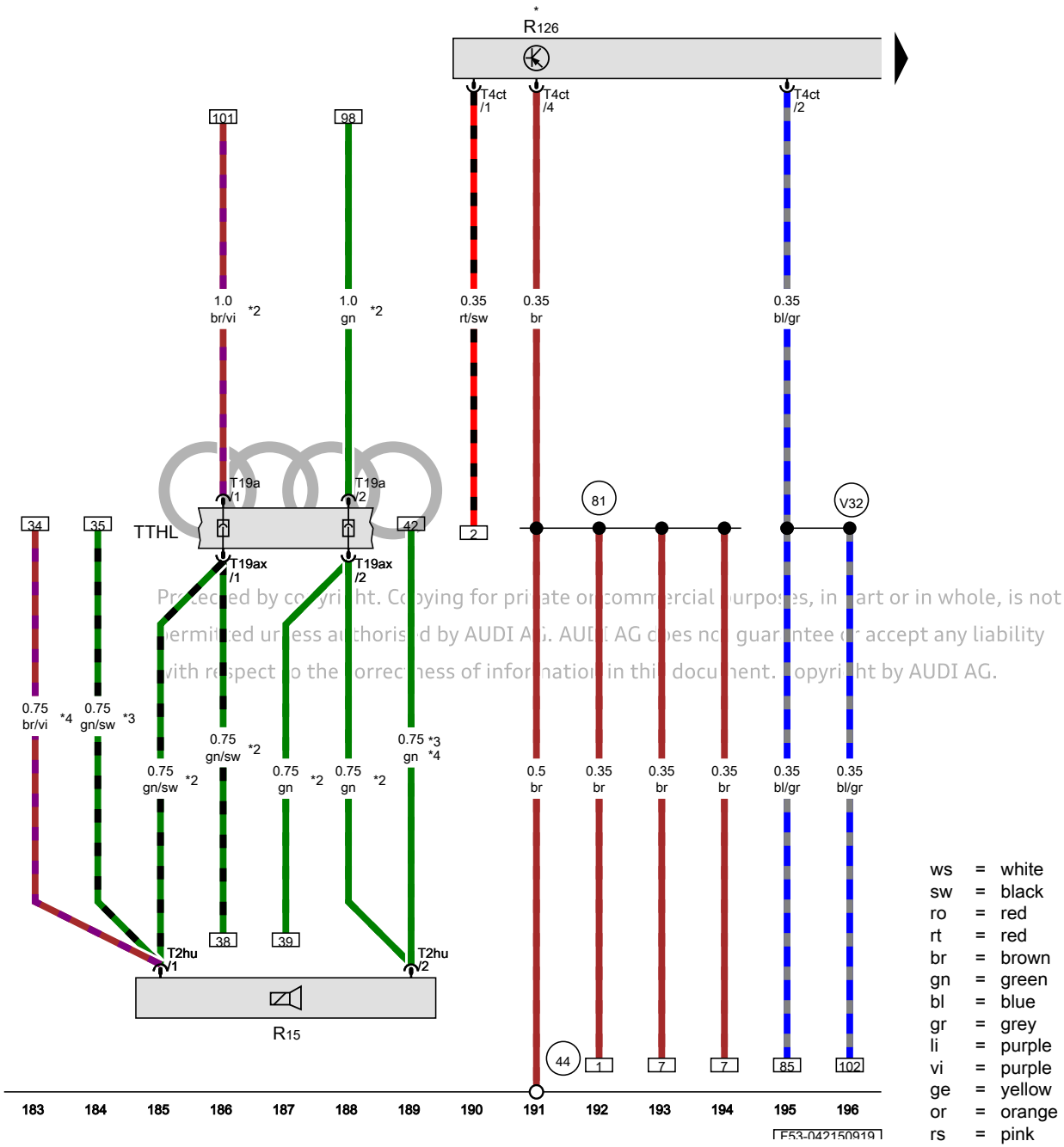
or	=	orange
rs	=	pink



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li = purple
vi = purple
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or = orange
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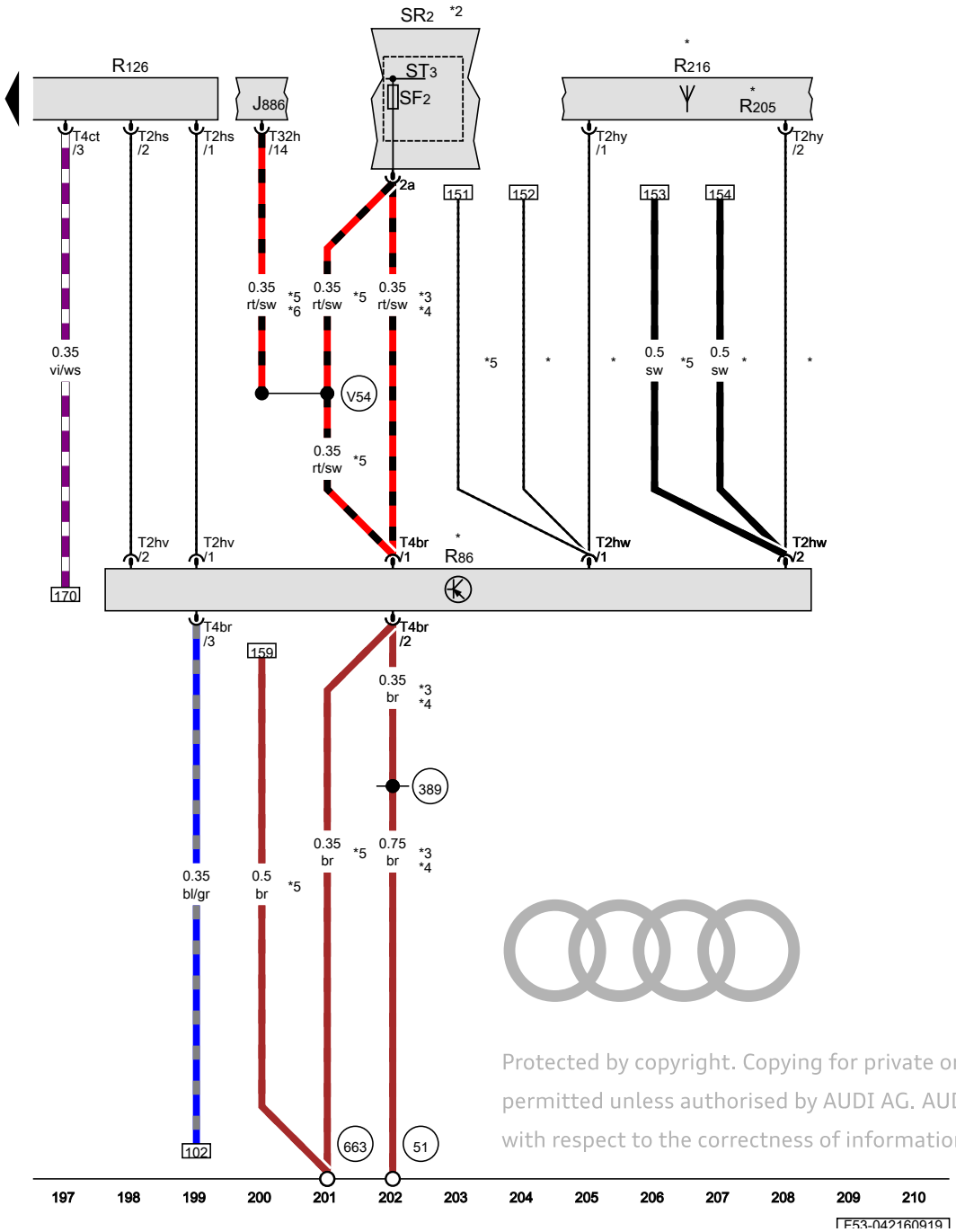
Rear left bass loudspeaker, Telephone bracket

R15	Rear left bass loudspeaker
R126	Telephone bracket
T2hu	2-pin connector, black
T4ct	4-pin connector, brown
T19a	19-pin connector, black
T19ax	19-pin connector, black
TTHL	Coupling point for rear left door
44	Earth point, lower part of left A-pillar
81	Earth connection 1, in dash panel wiring harness
V32	Positive connection (30), in telephone wiring harness
*	According to equipment
*2	Sportback
*3	Coupé
*4	For Cabriolet models



Control unit for seat belt microphone, Aerial amplifier for mobile telephone, Telephone bracket

J886	Control unit for seat belt microphone
R86	Aerial amplifier for mobile telephone
R126	Telephone bracket
R205	GSM aerial
R216	Roof aerial
SF2	Fuse 2 in fuse holder F
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
ST3	Fuse carrier 3, brown
T2hs	2-pin connector, purple
T2hv	2-pin connector, black
T2hw	2-pin connector, purple
T2hy	2-pin connector, purple
T4br	4-pin connector, black
T4ct	4-pin connector, brown
T32h	32-pin connector
51	Earth point, on right in luggage compartment
389	Earth connection 24, in main wiring harness
663	Earth point, rear right side panel
V54	Connection 1 (telephone), in main wiring harness
*	According to equipment
*2	see applicable current flow diagram for fuse assignment
*3	Sportback
*4	Coupé
*5	For Cabriolet models
*6	For models with seat belt microphone

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rt	=	red
br	=	brown
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MMI with radio , (I8E)

From July 2016

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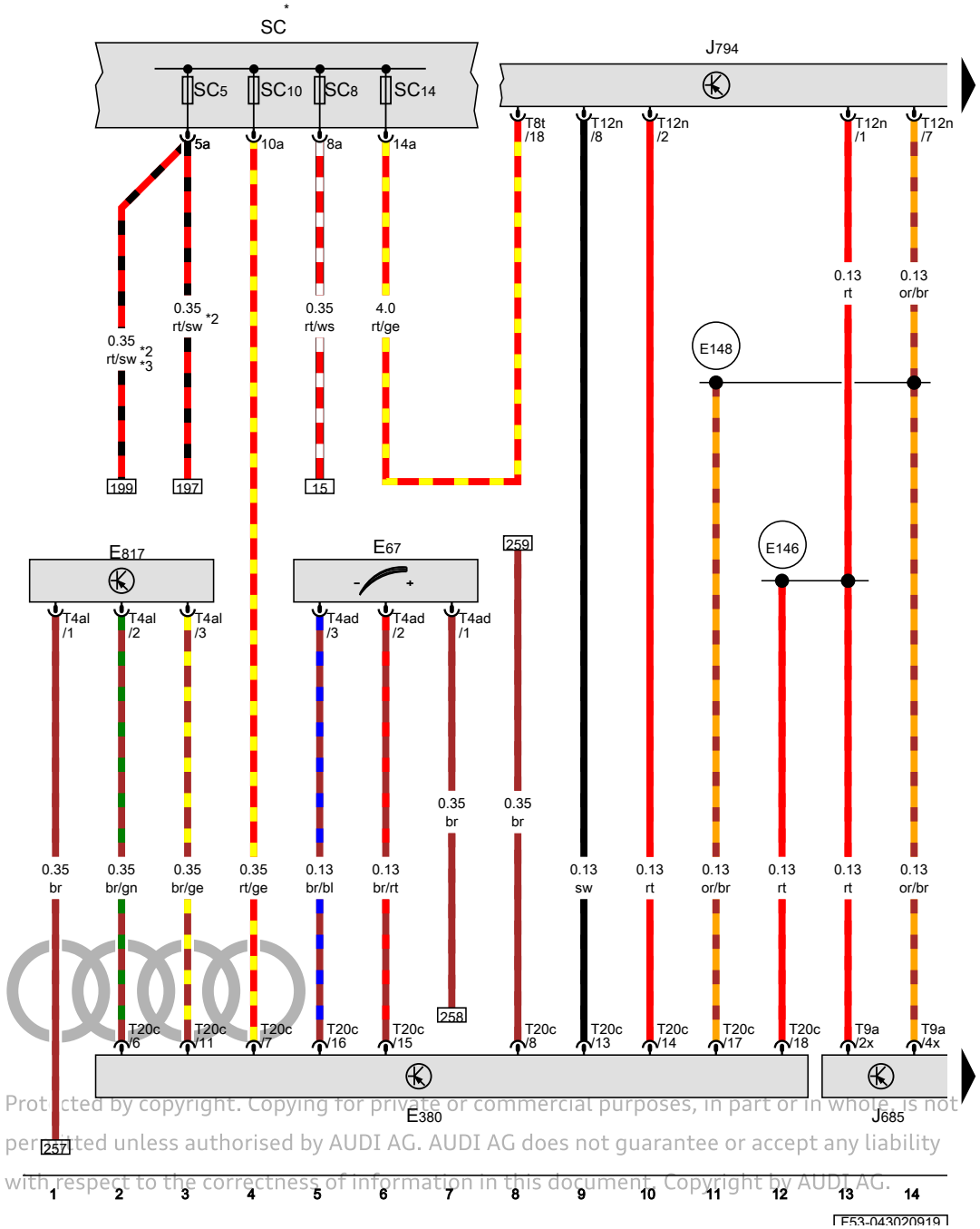

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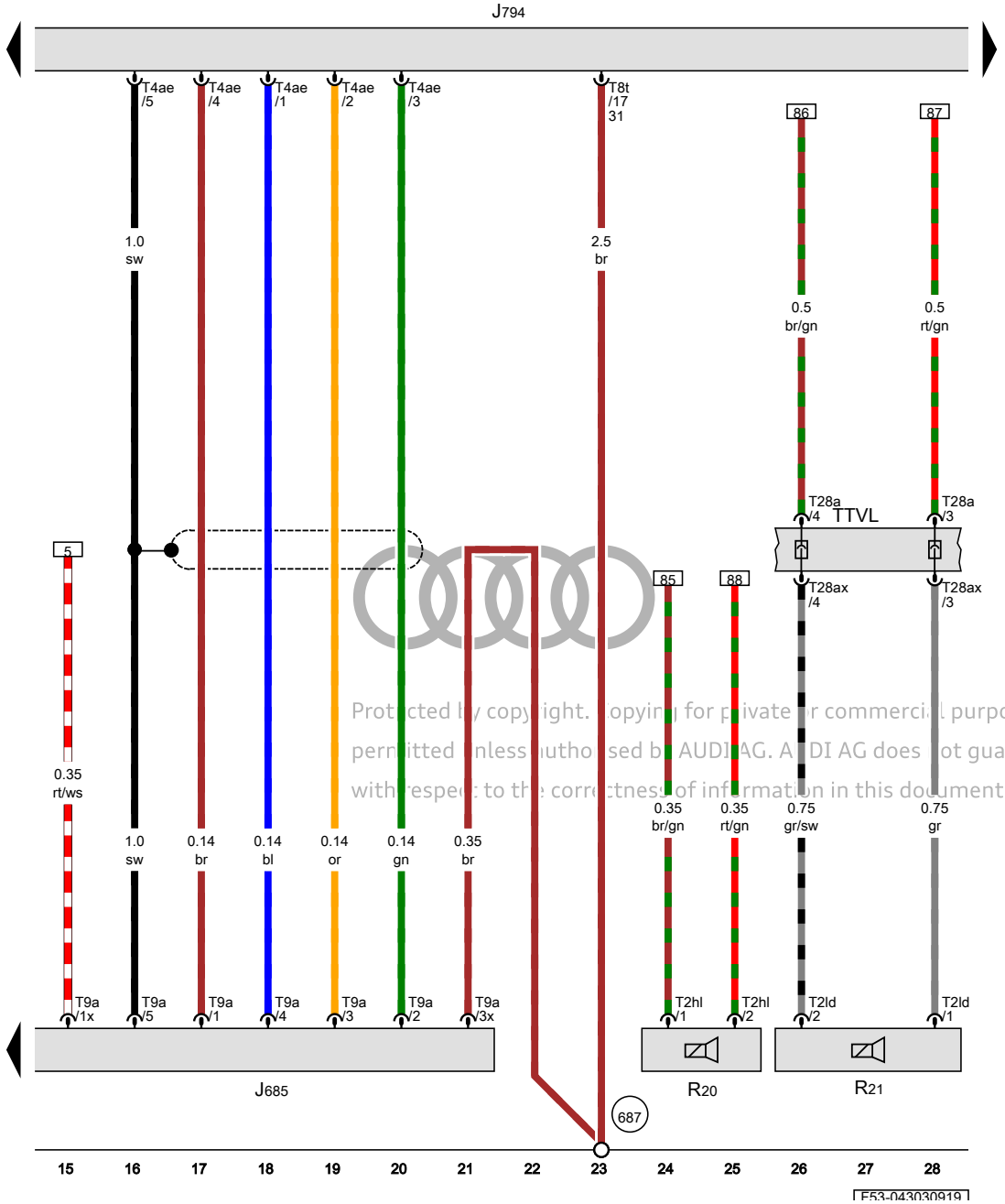
Driver side volume regulator, Multimedia system operating unit, Multimedia system button module, Display unit for front information display and operating unit control unit, Control unit 1 for information electronics

E67	Driver side volume regulator
E380	Multimedia system operating unit
E817	Multimedia system button module
J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
SC	Fuse holder C
SC5	Fuse 5 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
T4ad	4-pin connector, black
T4al	4-pin connector, brown
T8t	8-pin connector, black
T9a	9-pin connector, black
T12n	12-pin connector, grey
T20c	20-pin connector, black
E146	Connection 2 (CAN bus, control unit 1 for information electronics, high)
E148	Connection 2 (CAN bus, control unit 1 for information electronics, low)
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	For models with multiple USB connections

Display unit for front information display and operating unit control unit, Control unit 1 for information electronics, Front left treble loudspeaker, Front left bass loudspeaker

J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
T2hl	2-pin connector, blue
T2ld	2-pin connector, black
T4ae	4-pin connector, purple
T8t	8-pin connector, black
T9a	9-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
687	Earth point 1, on centre tunnel



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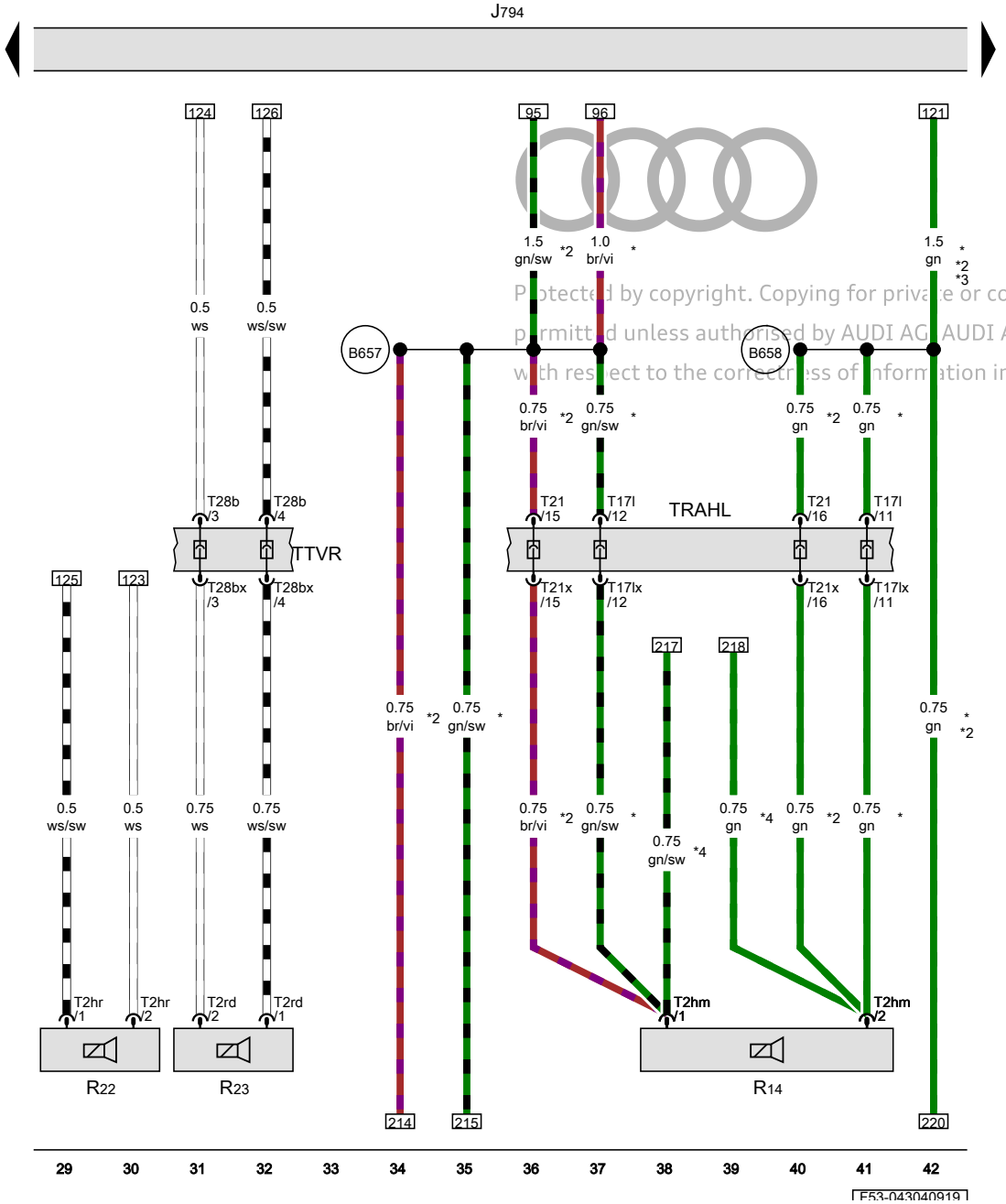

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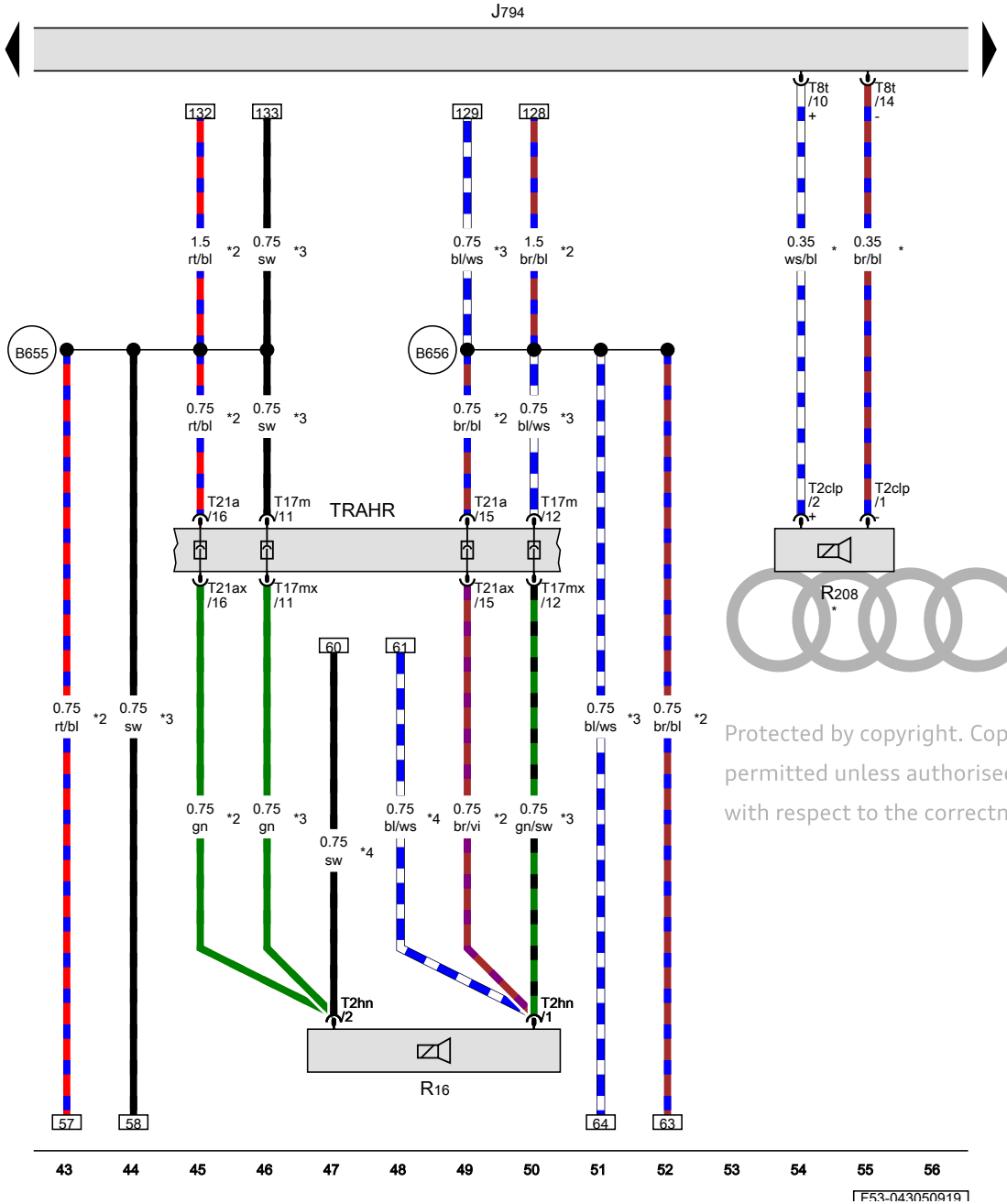
Control unit 1 for information electronics, Rear left treble loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

J794	Control unit 1 for information electronics
R14	Rear left treble loudspeaker
R22	Front right treble loudspeaker
R23	Front right bass loudspeaker
T2hm	2-pin connector, black
T2hr	2-pin connector, blue
T2rd	2-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
TTVR	Coupling point for front right door
B657	Connection 7 (loudspeaker), in main wiring harness
B658	Connection 8 (loudspeaker), in main wiring harness
*	Coupé
*2	For Cabriolet models
*3	Cross section depends on equipment
*4	Sportback

Control unit 1 for information electronics, Rear right treble loudspeaker, Centre loudspeaker

J794	Control unit 1 for information electronics
R16	Rear right treble loudspeaker
R208	Centre loudspeaker
T2clp	2-pin connector, black
T2hn	2-pin connector, black
T8t	8-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
B655	Connection 5 (loudspeaker), in main wiring harness
B656	Connection 6 (loudspeaker), in main wiring harness
*	For models with active loudspeakers
*2	For Cabriolet models
*3	Coupé
*4	Sportback



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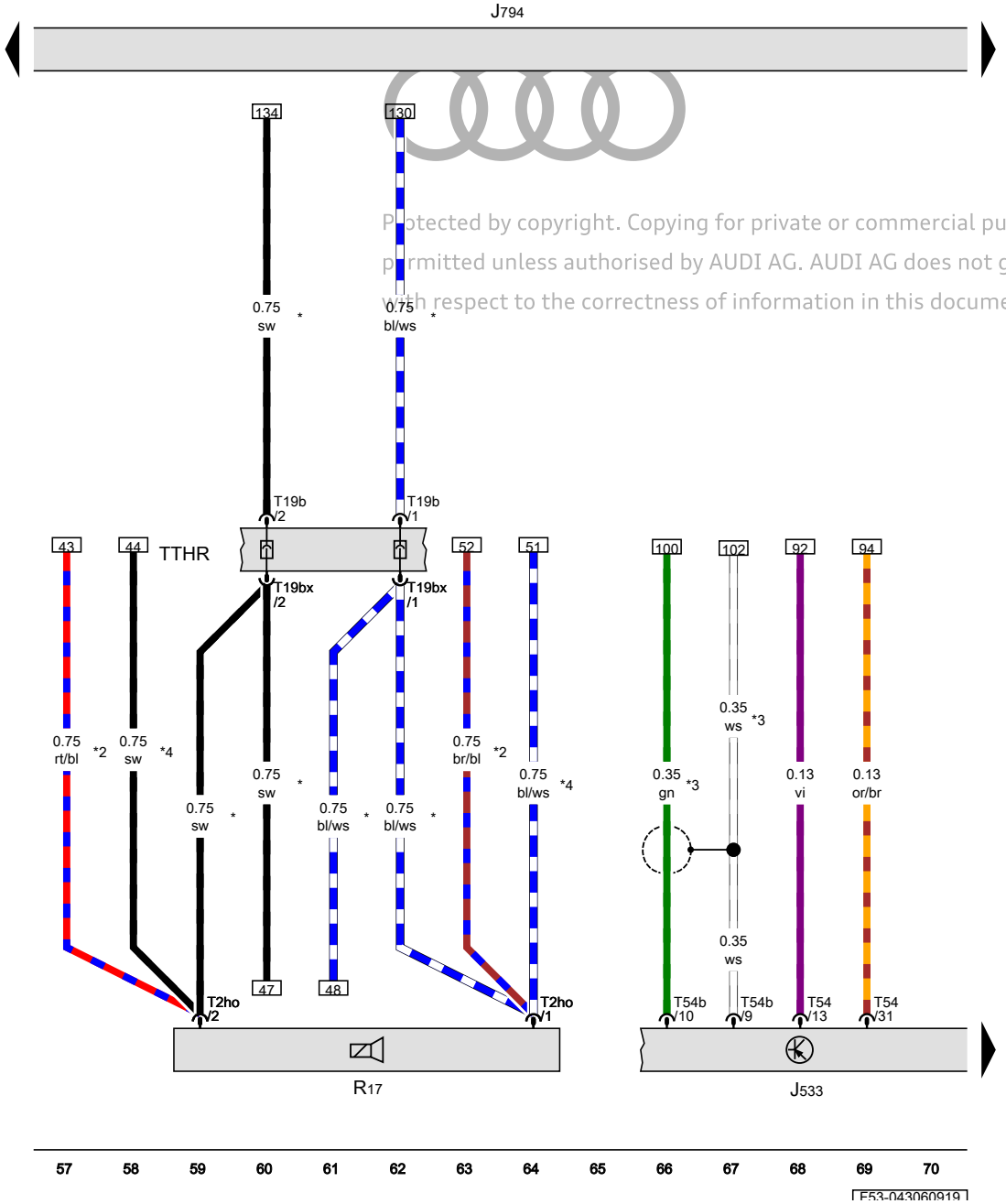
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Data bus diagnostic interface, Control unit 1 for information electronics, Rear right bass loudspeaker

J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R17	Rear right bass loudspeaker
T2ho	2-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T54	54-pin connector, black
T54b	54-pin connector, blue
TTHR	Coupling point for rear right door
*	Sportback
*2	For Cabriolet models
*3	According to equipment
*4	Coupé



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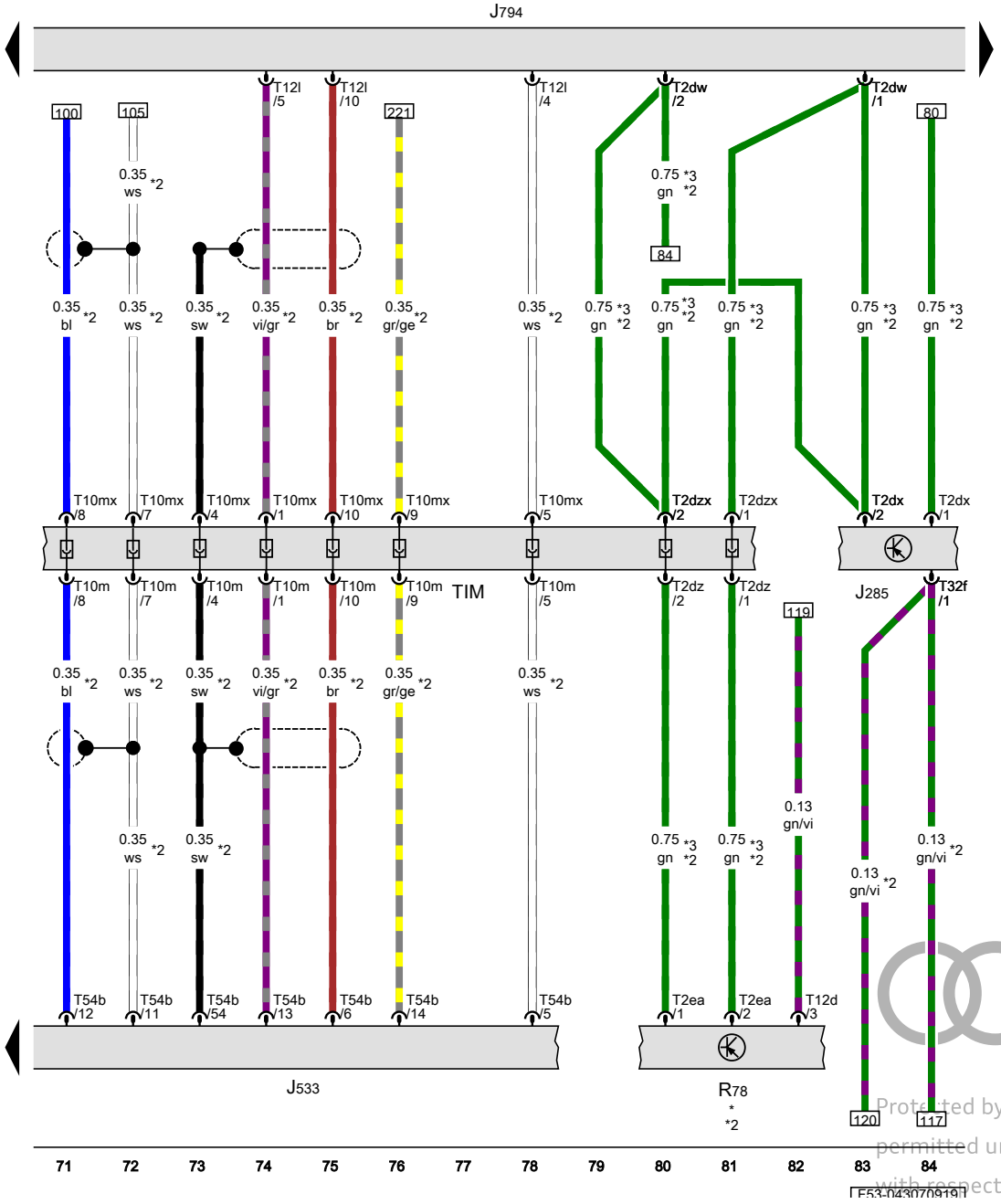

Control unit in dash panel insert, Data bus diagnostic interface, Control unit 1 for information electronics, TV tuner

J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R78	TV tuner
T2dw	2-pin connector, black
T2dx	2-pin connector, black
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T2ea	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12d	12-pin connector, black
T12l	12-pin connector, blue
T32f	32-pin connector, grey
T54b	54-pin connector, blue
TIM	Coupling point in interior, centre
*	see applicable current flow diagram for TV tuner
*2	According to equipment
*3	Fibre optic cable (FOC)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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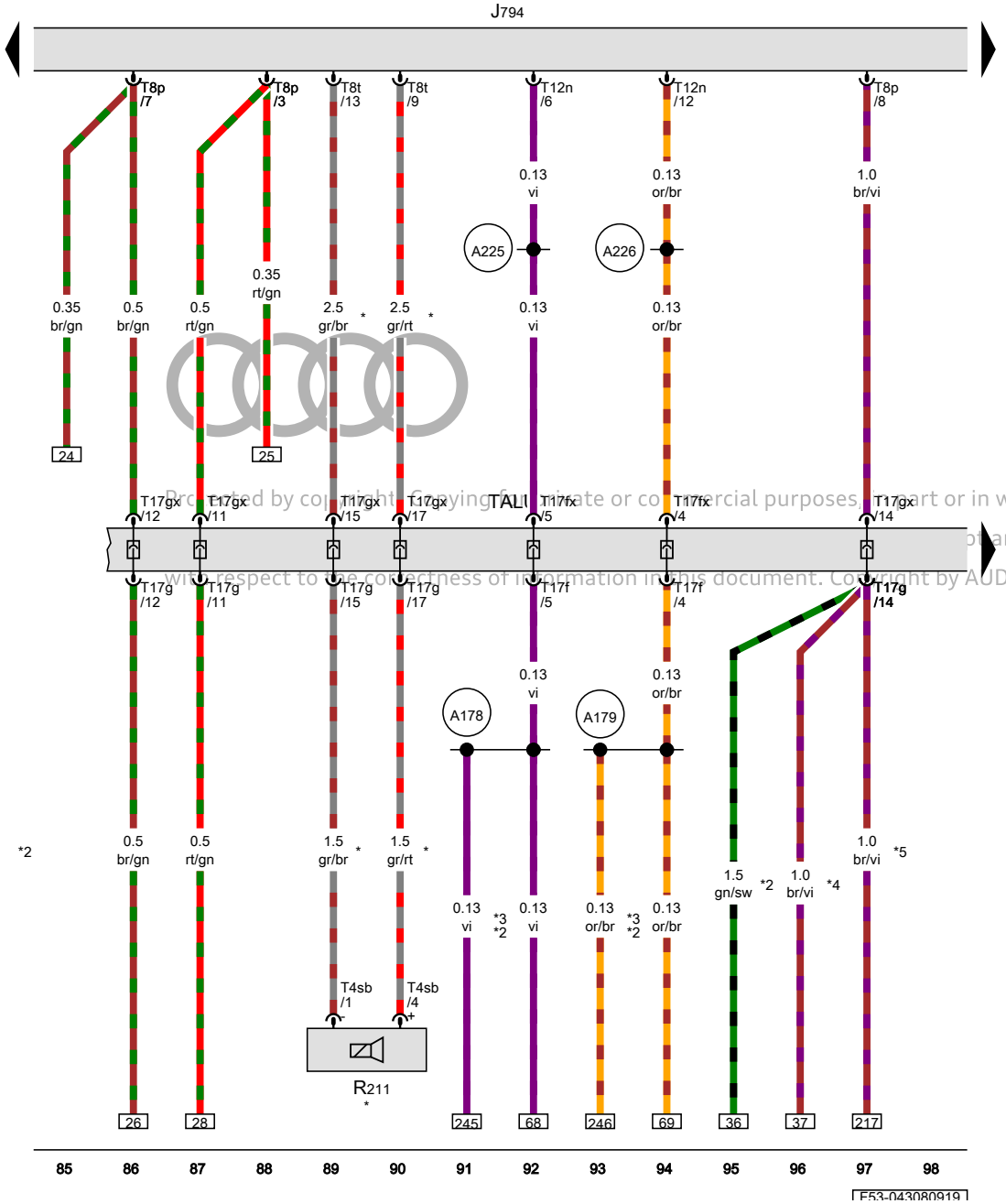

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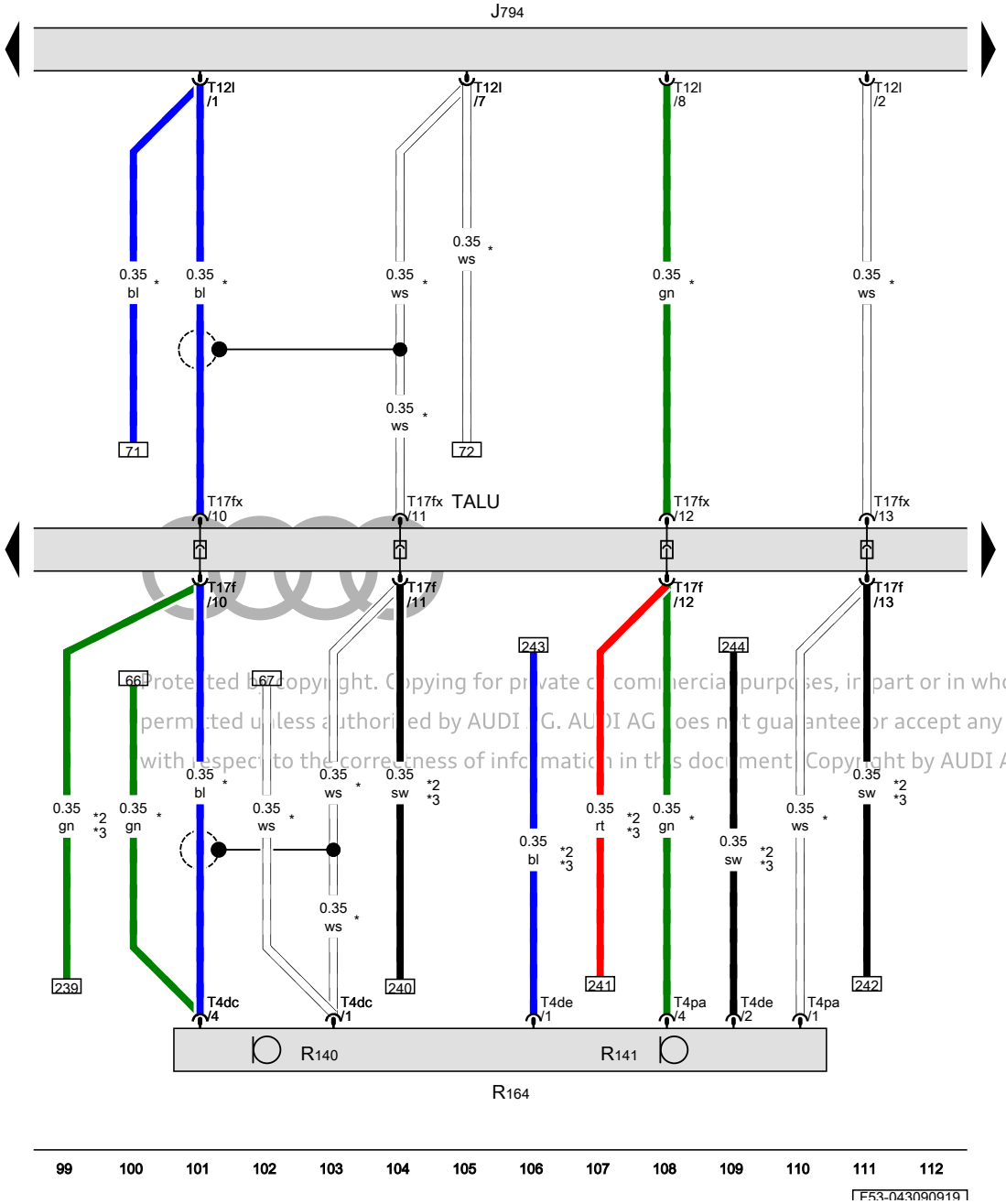
Control unit 1 for information electronics, Subwoofer

J794	Control unit 1 for information electronics
R211	Subwoofer
T4sb	4-pin connector, black
T8p	8-pin connector, brown
T8t	8-pin connector, black
T12n	12-pin connector, grey
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	For models with active loudspeakers
*2	For Cabriolet models
*3	For models with seat belt microphone
*4	Coupé
*5	Sportback



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Control unit 1 for information electronics, Front left microphone, Front right microphone, Microphone unit in front roof module

J794	Control unit 1 for information electronics
R140	Front left microphone
R141	Front right microphone
R164	Microphone unit in front roof module
T4dc	4-pin connector, grey
T4de	4-pin connector, black
T4pa	4-pin connector, blue
T12l	12-pin connector, blue
T17f	17-pin connector, red
T17fx	17-pin connector, red
TALU	Coupling point on left A-pillar, bottom
*	According to equipment
*2	For models with seat belt microphone
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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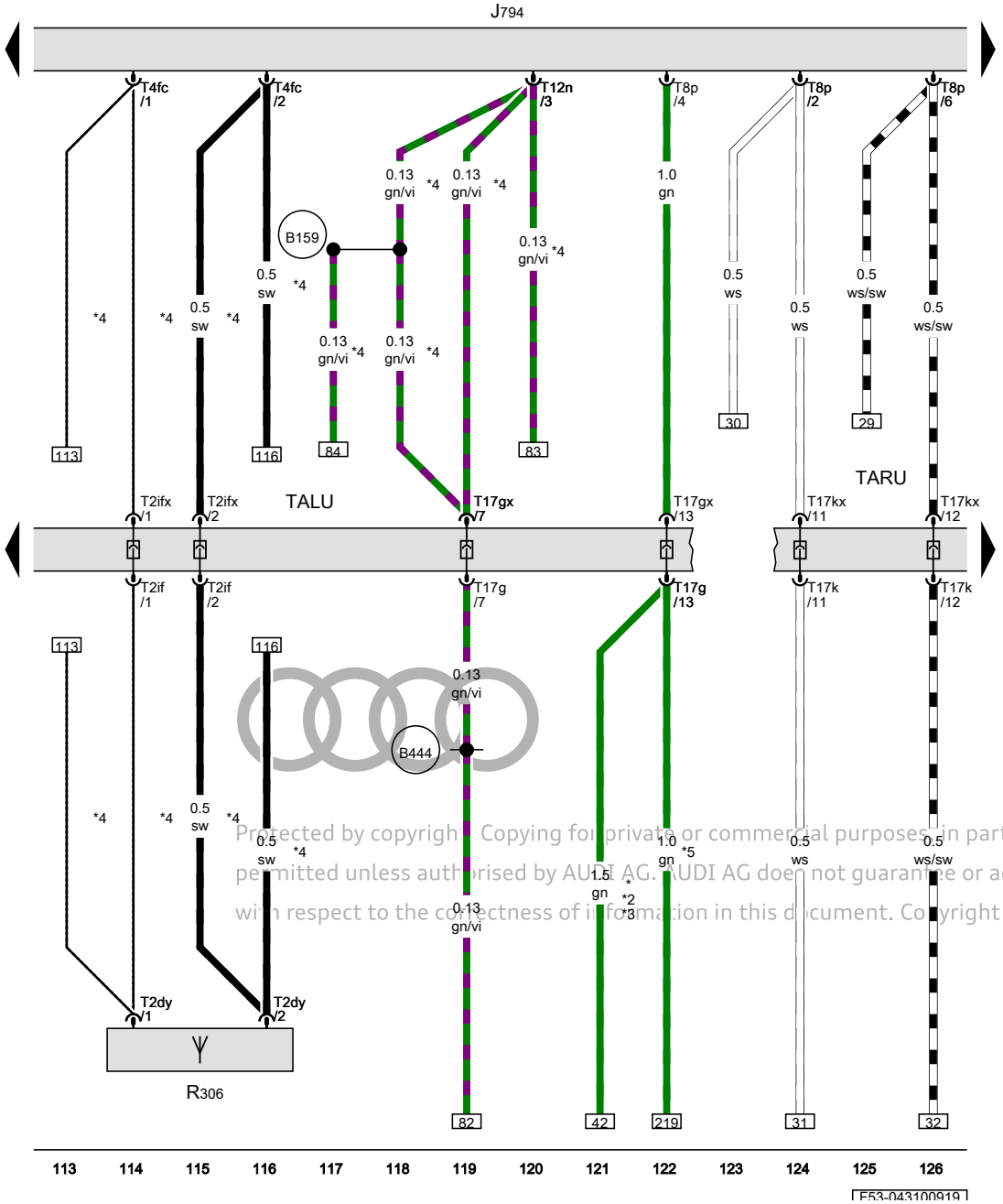

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Control unit 1 for information electronics

J794	Control unit 1 for information electronics
R306	LTE aerial 2
T2dy	2-pin connector, purple
T2if	2-pin connector, purple
T2ifx	2-pin connector, purple
T4fc	4-pin connector, purple
T8p	8-pin connector, brown
T12n	12-pin connector, grey
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T17k	17-pin connector, green
T17kx	17-pin connector, green
TALU	Coupling point on left A-pillar, bottom
TARU	Coupling point on right A-pillar, bottom
B159	Connection (diagnosis), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	Coupé
*2	For Cabriolet models
*3	Cross section depends on equipment
*4	According to equipment
*5	Sportback

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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or	=	orange
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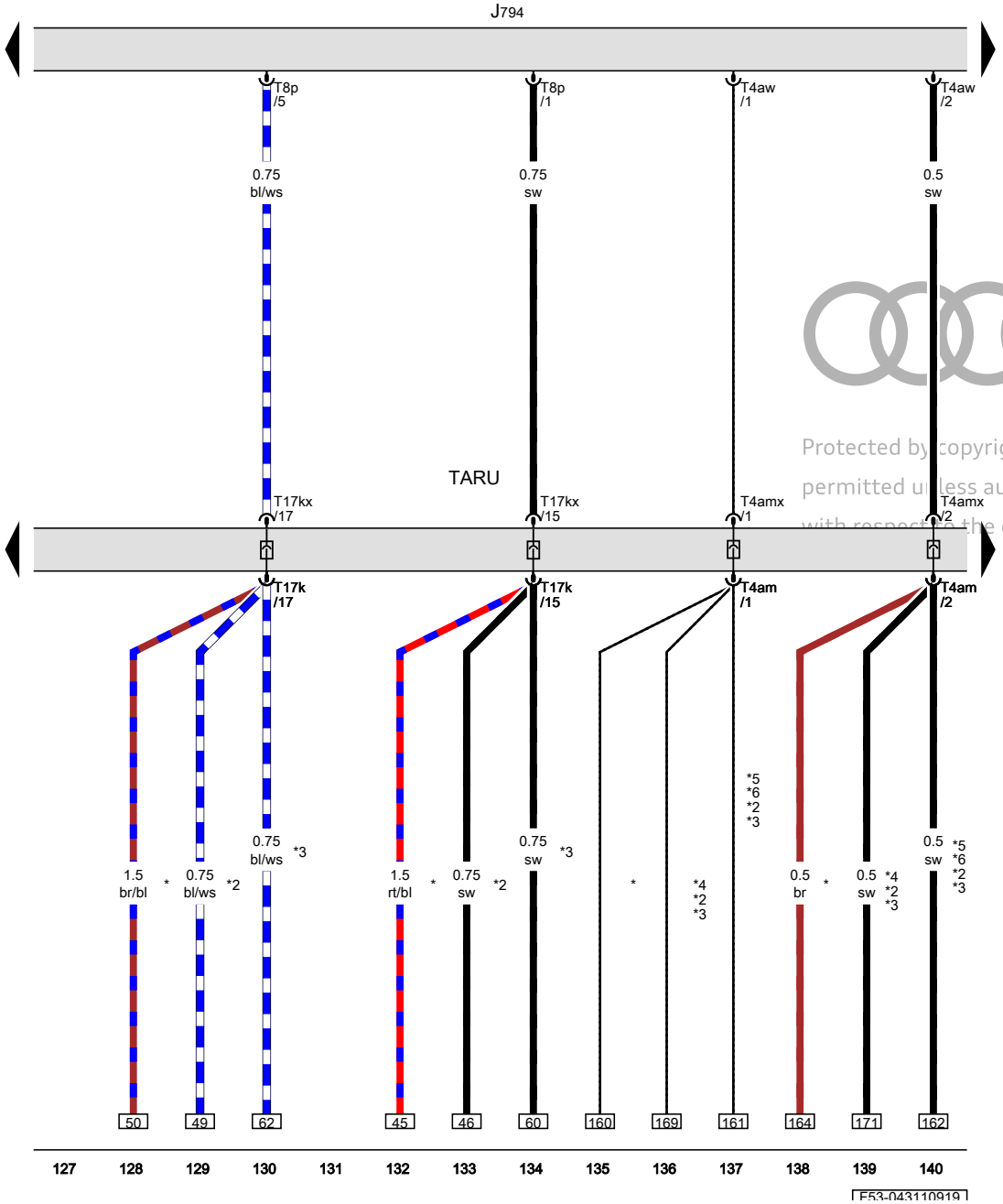

Control unit 1 for information electronics

J794	Control unit 1 for information electronics
T4am	4-pin connector, white
T4amx	4-pin connector, white
T4aw	4-pin connector, white
T8p	8-pin connector, brown
T17k	17-pin connector, green
T17kx	17-pin connector, green
TARU	Coupling point on right A-pillar, bottom
*	For Cabriolet models
*2	Coupé
*3	Sportback
*4	For models with no digital radio
*5	For models with no TV receiver
*6	For models with digital radio

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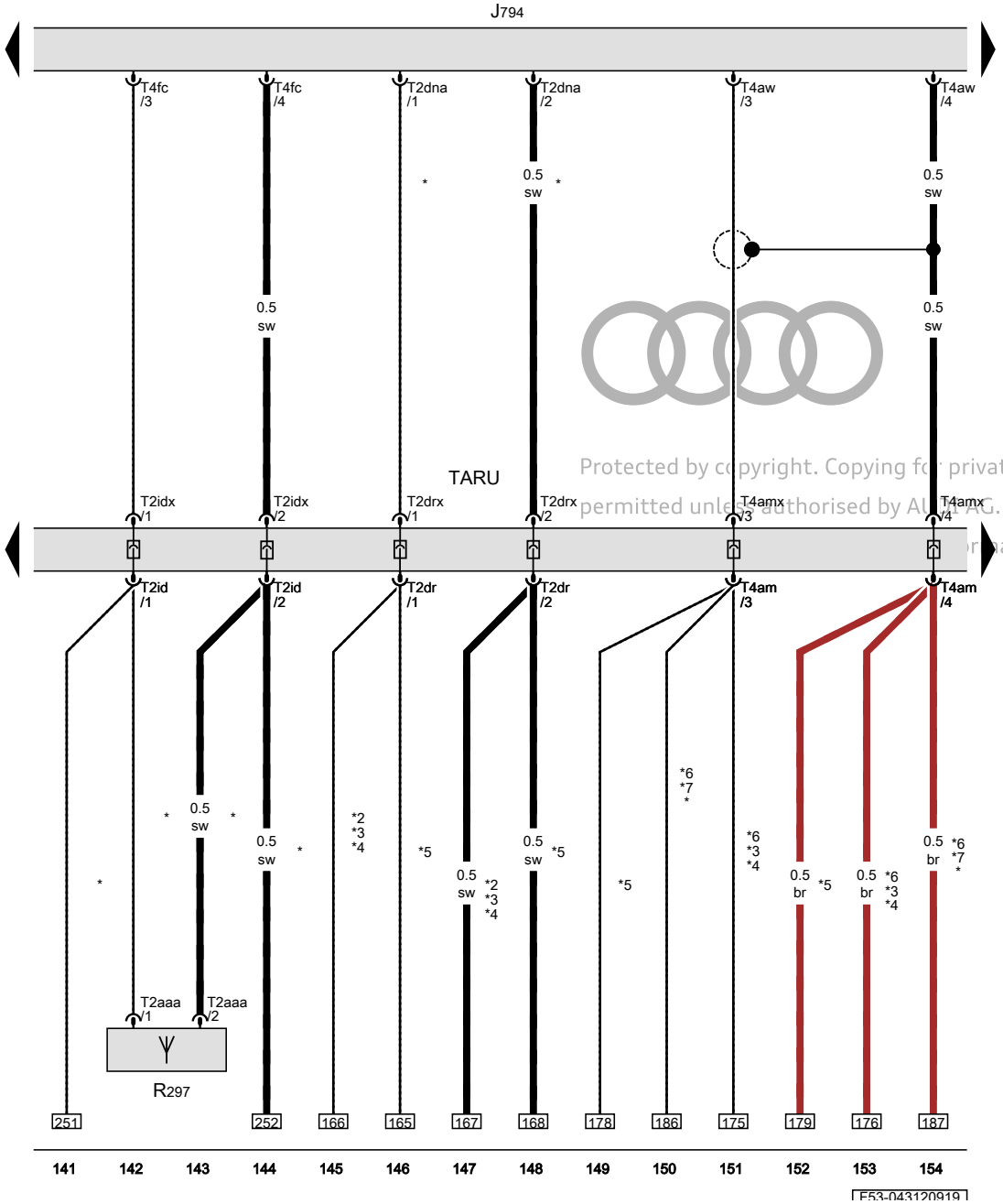

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Control unit 1 for information electronics

J794	Control unit 1 for information electronics
R297	LTE aerial 1
T2aaa	2-pin connector, purple
T2dna	2-pin connector, black
T2dr	2-pin connector, black
T2drx	2-pin connector, black
T2id	2-pin connector, purple
T2idx	2-pin connector, purple
T4am	4-pin connector, white
T4amx	4-pin connector, white
T4aw	4-pin connector, white
T4fc	4-pin connector, purple
TARU	Coupling point on right A-pillar, bottom
*	According to equipment
*2	For models with digital radio
*3	Coupé
*4	Sportback
*5	For Cabriolet models
*6	For models with no TV receiver
*7	For models with equipment for Japan

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rt	=	red
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gn	=	green
bl	=	blue
gr	=	grey
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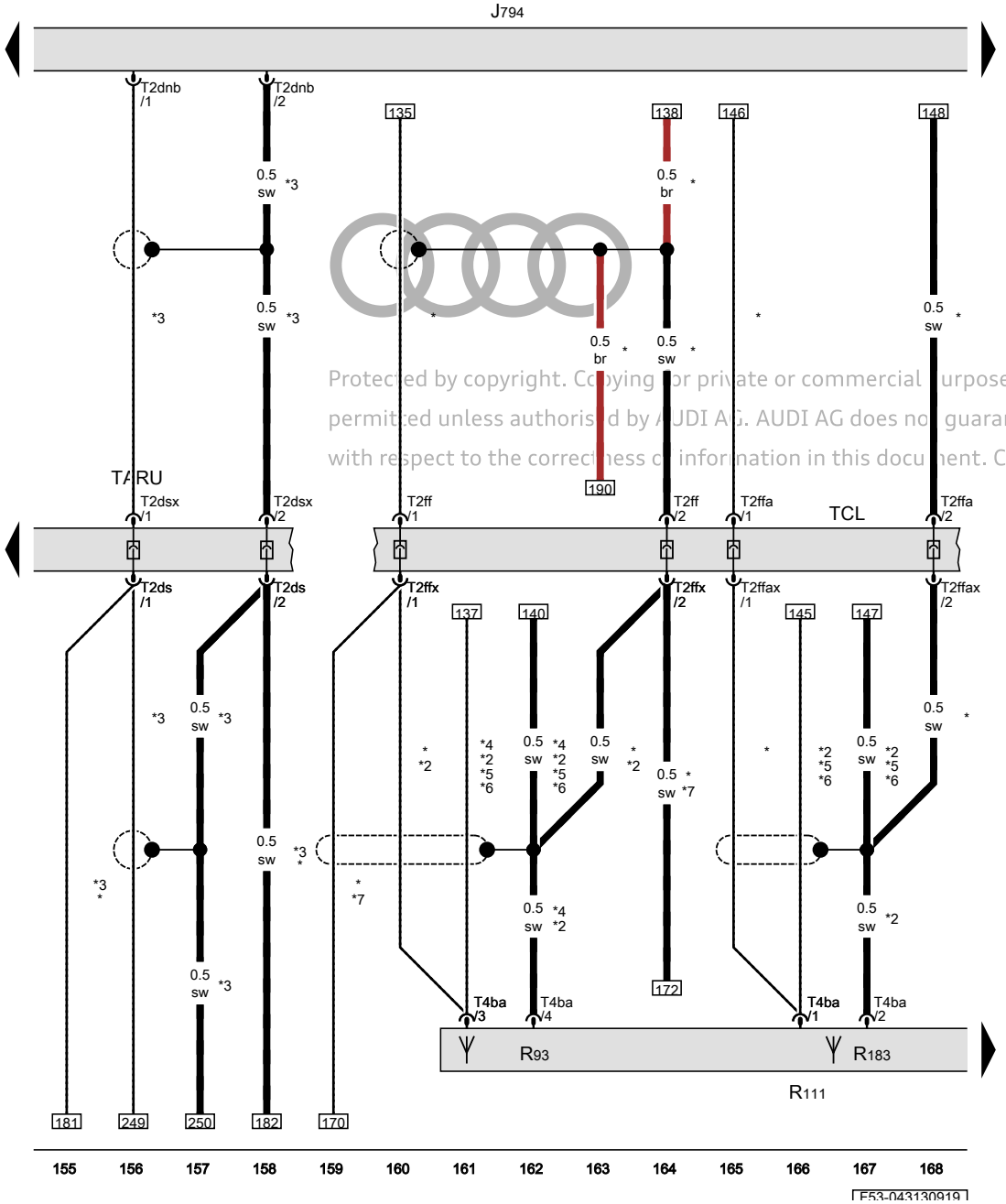
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit 1 for information electronics, Aerial amplifier 2

J794	Control unit 1 for information electronics
R93	Radio aerial 2
R111	Aerial amplifier 2
R183	Digital radio aerial
T2dnb	2-pin connector, brown
T2ds	2-pin connector, brown
T2dsx	2-pin connector, brown
T2ff	2-pin connector, yellow
T2ffa	2-pin connector, black
T2ffax	2-pin connector, black
T2ffx	2-pin connector, yellow
T4ba	4-pin connector, colourless
TARU	Coupling point on right A-pillar, bottom
TCL	Coupling point on left C-pillar, in rear left side panel
*	For Cabriolet models
*2	For models with digital radio
*3	For models with satellite radio
*4	For models with no TV receiver
*5	Coupé
*6	Sportback
*7	For models with no digital radio



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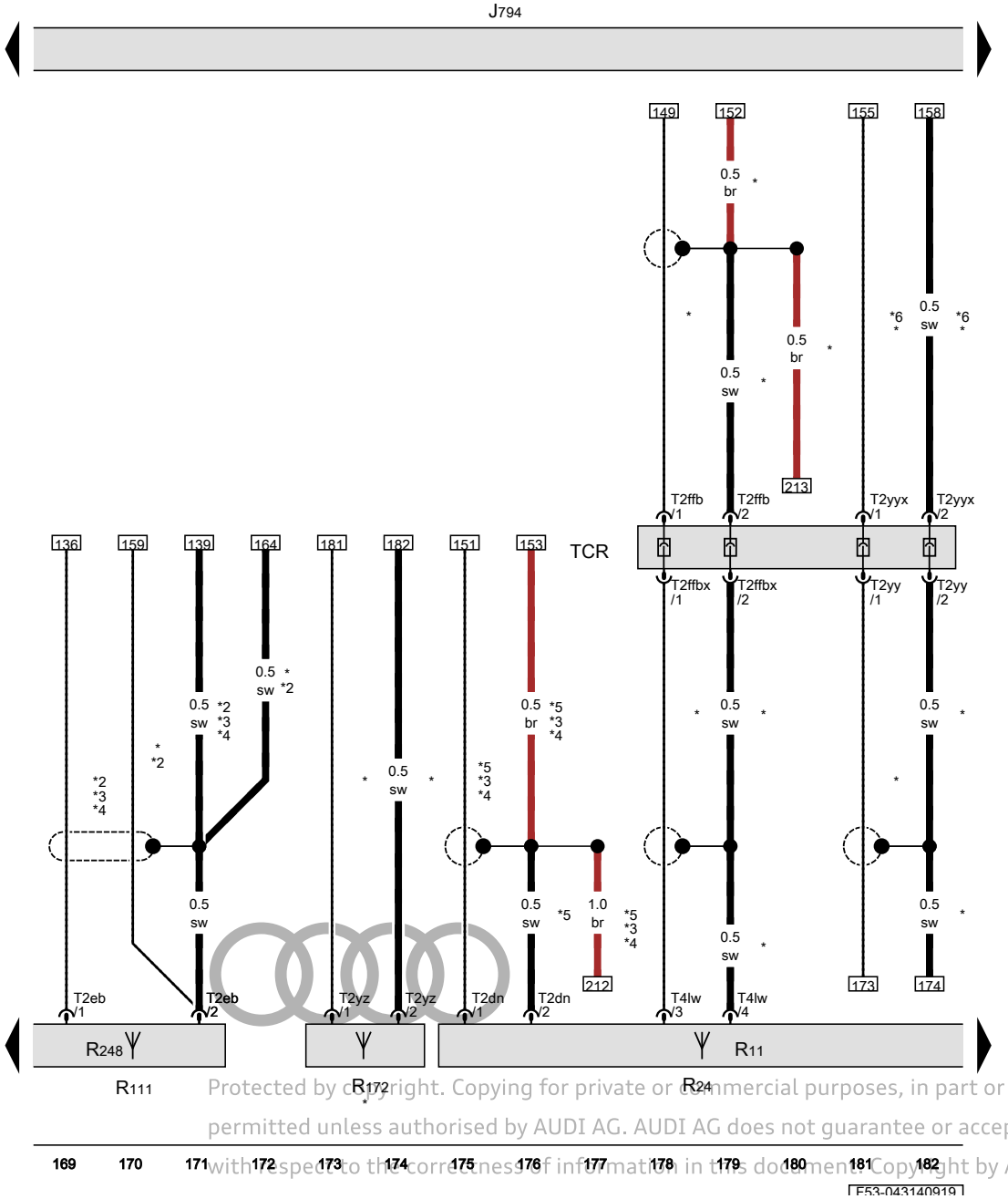

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Control unit 1 for information electronics, Aerial amplifier, Aerial amplifier 2

J794	Control unit 1 for information electronics
R11	Aerial
R24	Aerial amplifier
R111	Aerial amplifier 2
R172	Satellite tuner aerial
R248	Radio aerial
T2dn	2-pin connector, white
T2eb	2-pin connector, colourless
T2ffb	2-pin connector, green
T2ffbx	2-pin connector, green
T2yy	2-pin connector, grey
T2yyx	2-pin connector, grey
T2yz	2-pin connector, green
T4lw	4-pin connector, brown, green
TCR	Coupling point on right C-pillar, in rear right side panel
*	For Cabriolet models
*2	For models with no digital radio
*3	Coupé
*4	Sportback
*5	For models with no TV receiver
*6	For models with satellite radio

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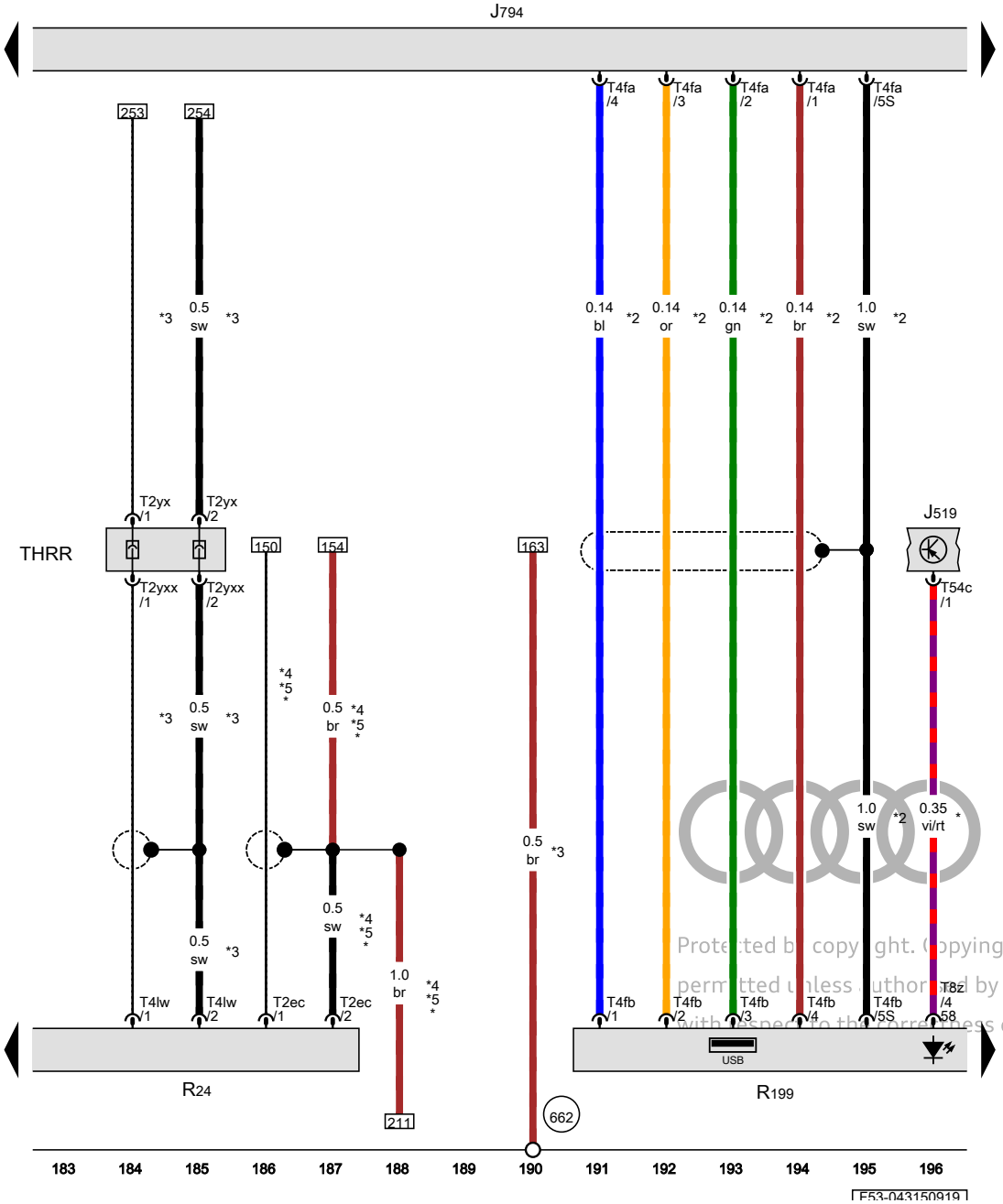
Onboard supply control unit, Control unit 1 for information electronics, Aerial amplifier, Connection for external audio sources



J519	Onboard supply control unit
J794	Control unit 1 for information electronics
R24	Aerial amplifier
R199	Connection for external audio sources
T2ec	2-pin connector, purple
T2yx	2-pin connector, white
T2yxx	2-pin connector, white
T4fa	4-pin connector, yellow
T4fb	4-pin connector, green
T4lw	4-pin connector, brown, green
T8z	8-pin connector, black
T54c	54-pin connector, black
THRR	Coupling point in luggage compartment, right
662	Earth point, rear left side panel
*	According to equipment
*2	For models with multiple USB connections
*3	For Cabriolet models
*4	For models with no TV receiver
*5	For models with equipment for Japan

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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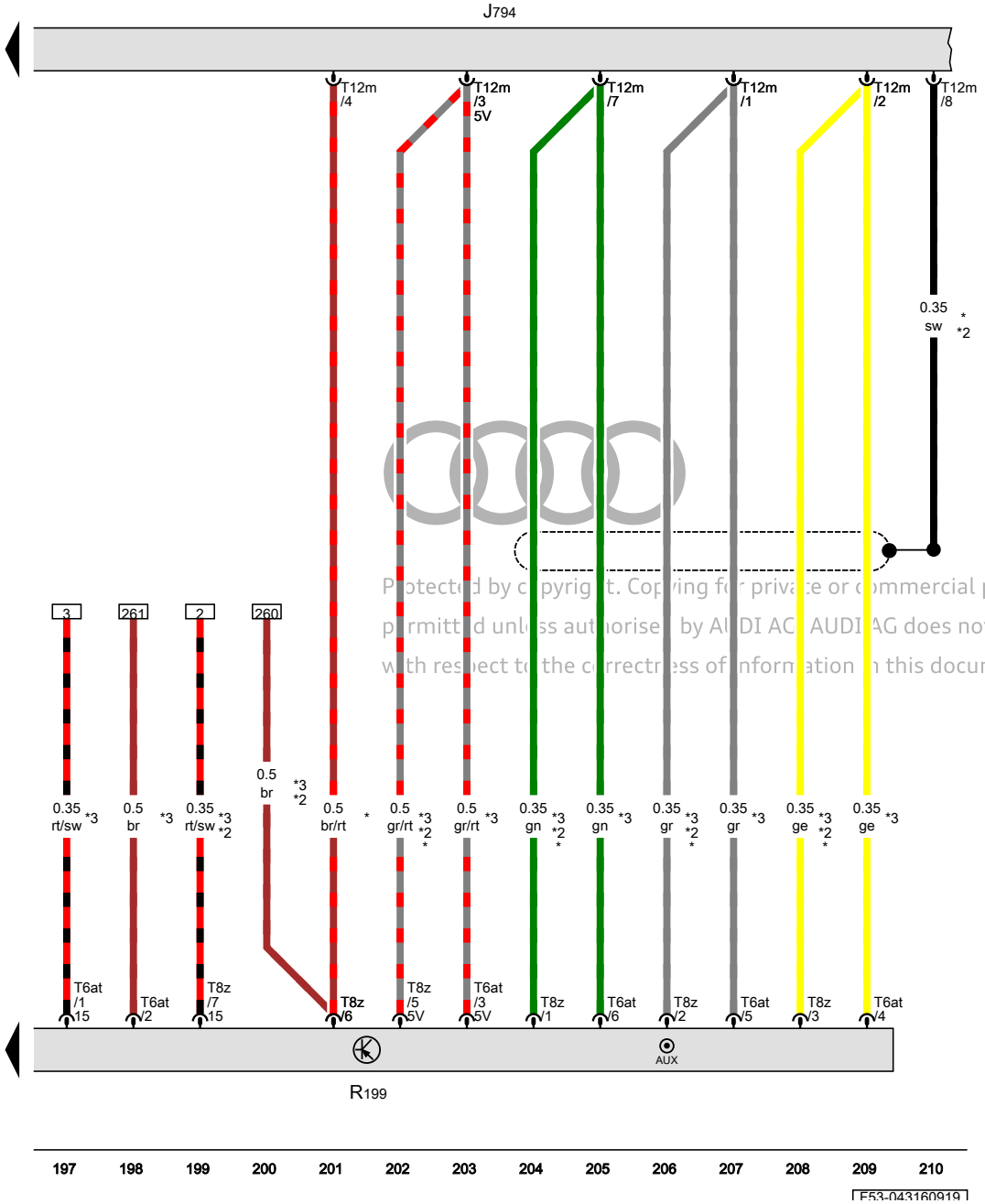
Control unit 1 for information electronics, Connection for external audio sources

J794	Control unit 1 for information electronics
R199	Connection for external audio sources
T6at	6-pin connector, black
T8z	8-pin connector, black
T12m	12-pin connector, green
*	For models with USB connection
*2	For models with multiple USB connections
*3	According to equipment



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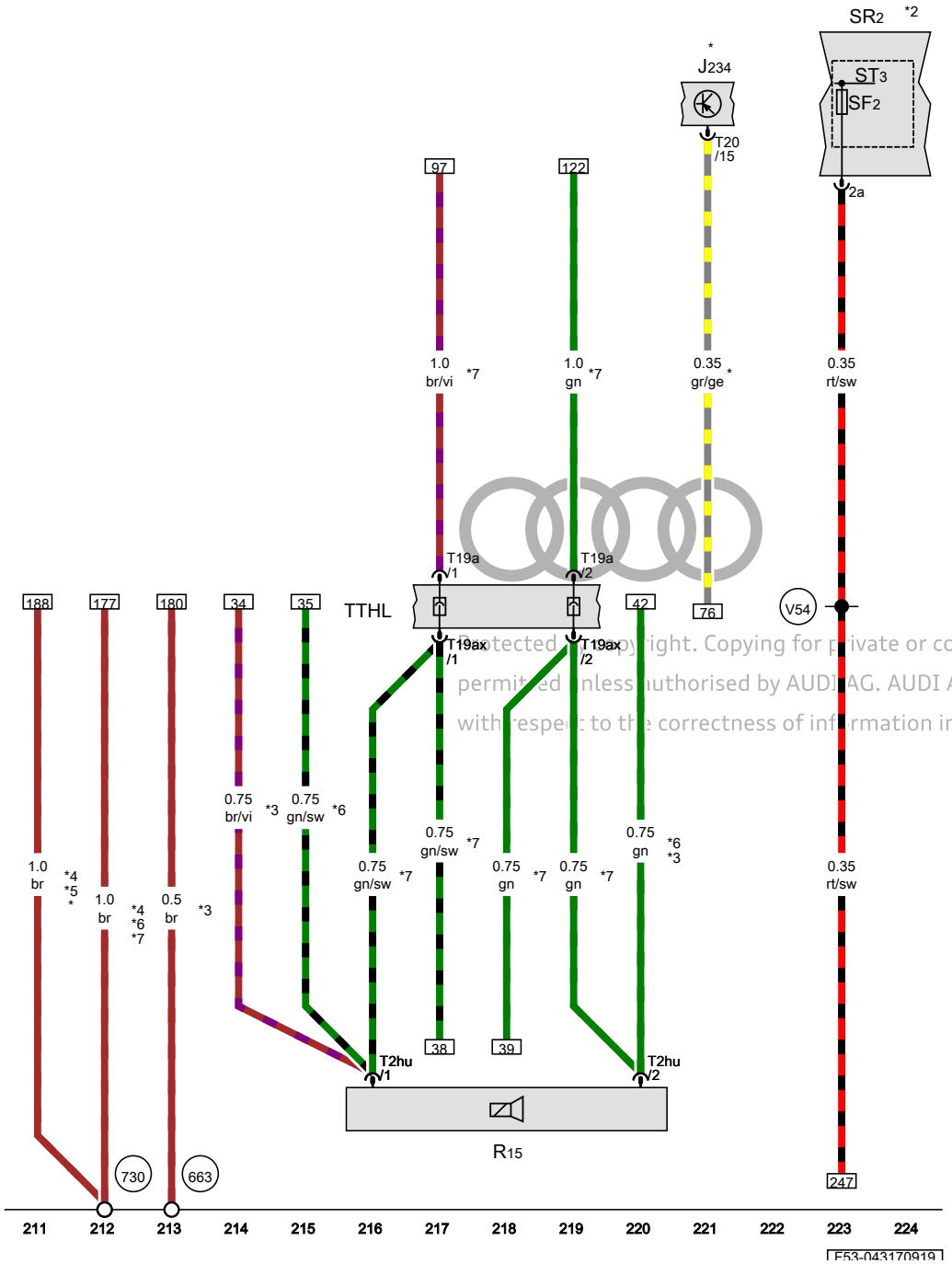

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Airbag control unit, Rear left bass loudspeaker

J234	Airbag control unit
R15	Rear left bass loudspeaker
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
SF2	Fuse 2 in fuse holder F
ST3	Fuse carrier 3, brown
T2hu	2-pin connector, black
T19a	19-pin connector, black
T19ax	19-pin connector, black
T20	20-pin connector, yellow
TTHL	Coupling point for rear left door
663	Earth point, rear right side panel
730	Earth point 1, on right rear wheel housing
V54	Connection 1 (telephone), in main wiring harness
*	According to equipment
*2	see applicable current flow diagram for fuse assignment
*3	For Cabriolet models
*4	For models with no TV receiver
*5	For models with equipment for Japan
*6	Coupé
*7	Sportback

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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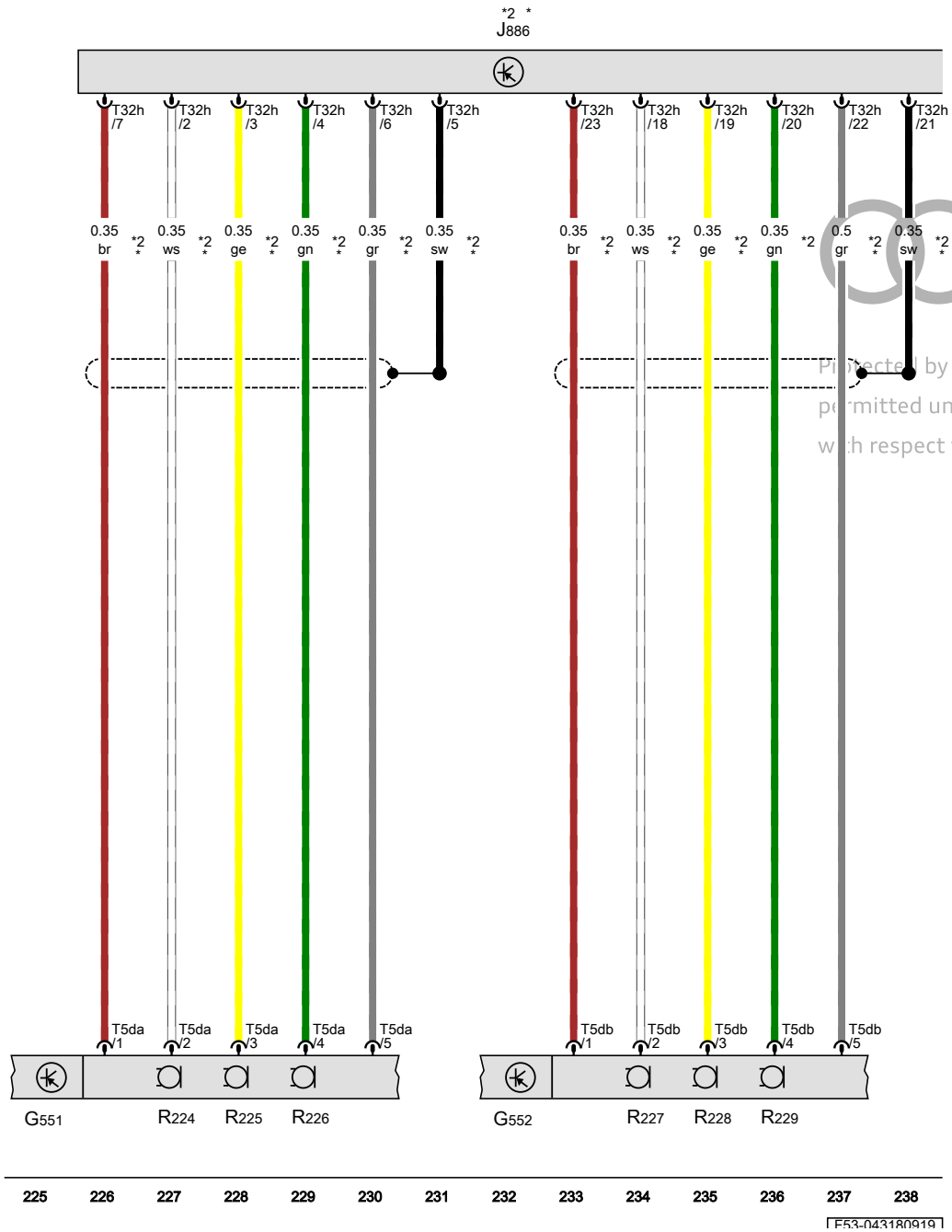

Control unit for seat belt microphone, Microphone 1 on driver side, Microphone 2 on driver side, Microphone 3 on driver side, Microphone 1 on front passenger side, Microphone 2 on front passenger side, Microphone 3 on front passenger side

G551	Driver side belt force limiter
G552	Front passenger side belt force limiter
J886	Control unit for seat belt microphone
R224	Microphone 1 on driver side
R225	Microphone 2 on driver side
R226	Microphone 3 on driver side
R227	Microphone 1 on front passenger side
R228	Microphone 2 on front passenger side
R229	Microphone 3 on front passenger side
T5da	5-pin connector, black
T5db	5-pin connector, black
T32h	32-pin connector, black
*	For Cabriolet models
*2	For models with seat belt microphone

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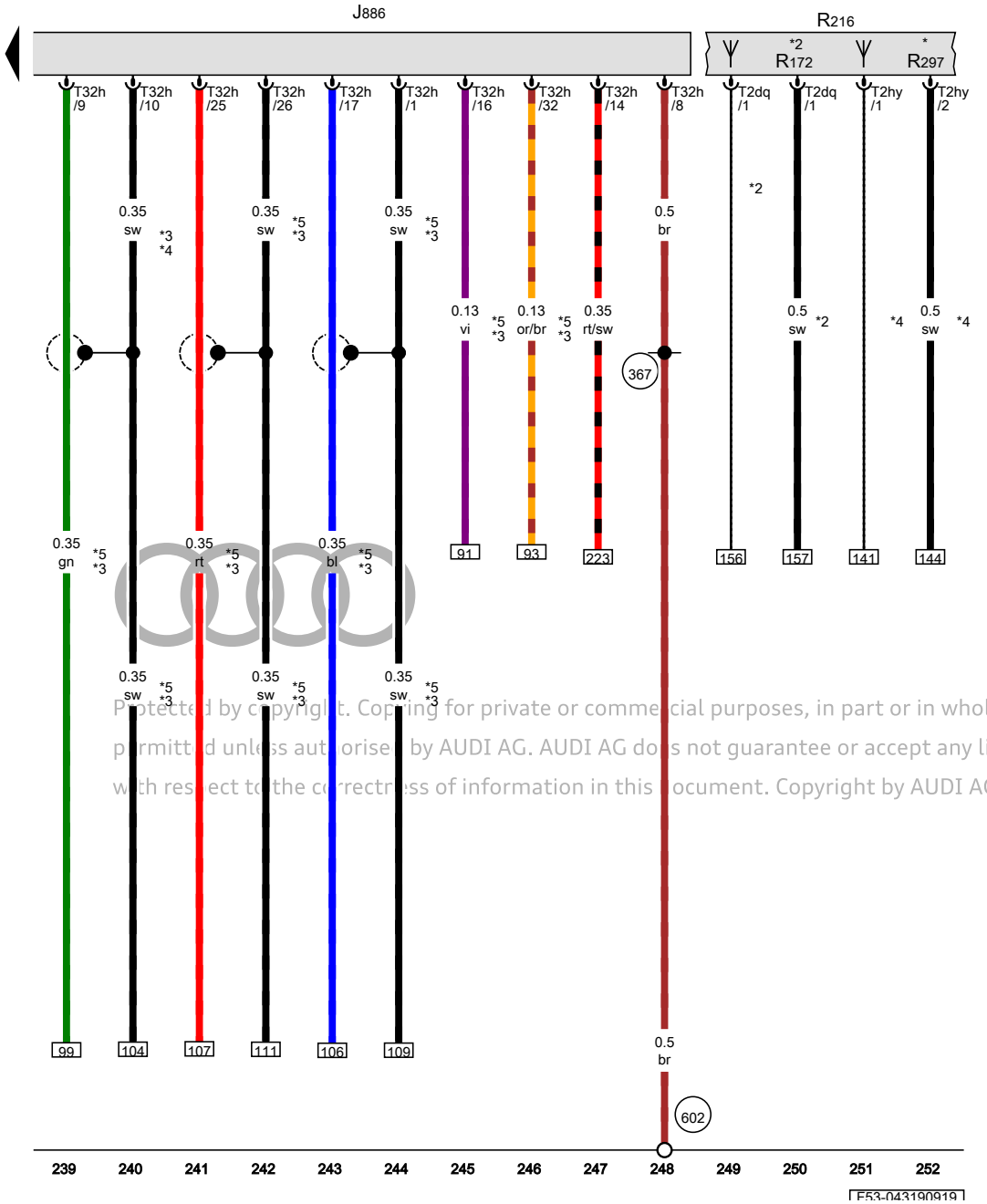
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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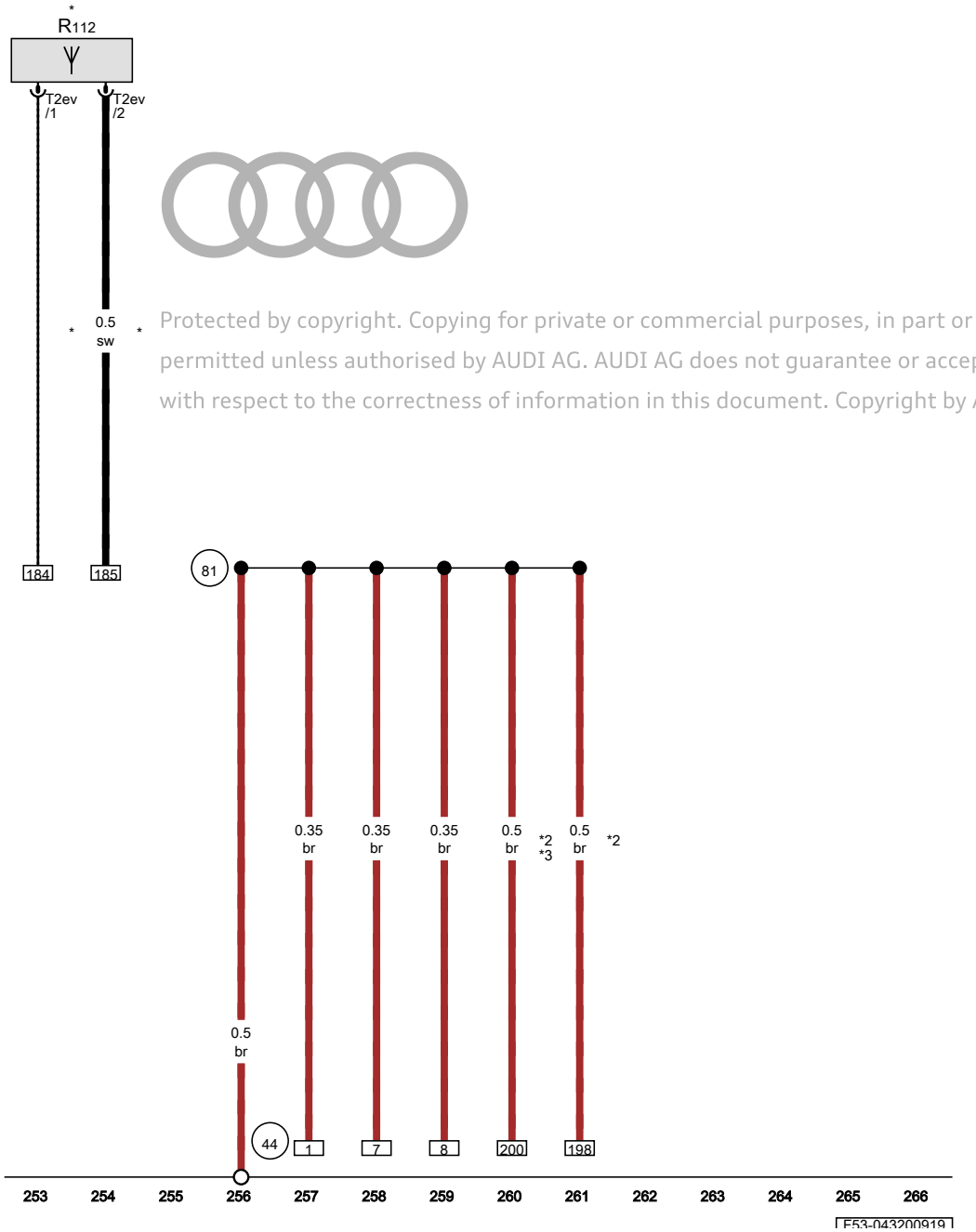
Control unit for seat belt microphone, Satellite tuner aerial, Roof aerial, LTE aerial 1

J886	Control unit for seat belt microphone
R172	Satellite tuner aerial
R216	Roof aerial
R297	LTE aerial 1
T2dq	2-pin connector, green
T2hy	2-pin connector, purple
T32h	32-pin connector, black
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
*	For models with mobile online services
*2	For models with satellite radio
*3	For Cabriolet models
*4	According to equipment
*5	For models with seat belt microphone



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Aerial amplifier 3

R112	Aerial amplifier 3
T2ev	2-pin connector, grey
44	Earth point, lower part of left A-pillar
81	Earth connection 1, in dash panel wiring harness
*	For Cabriolet models
*2	According to equipment
*3	For models with multiple USB connections

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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vi	=	purple
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MMI navigation plus , (I8H)

From July 2016

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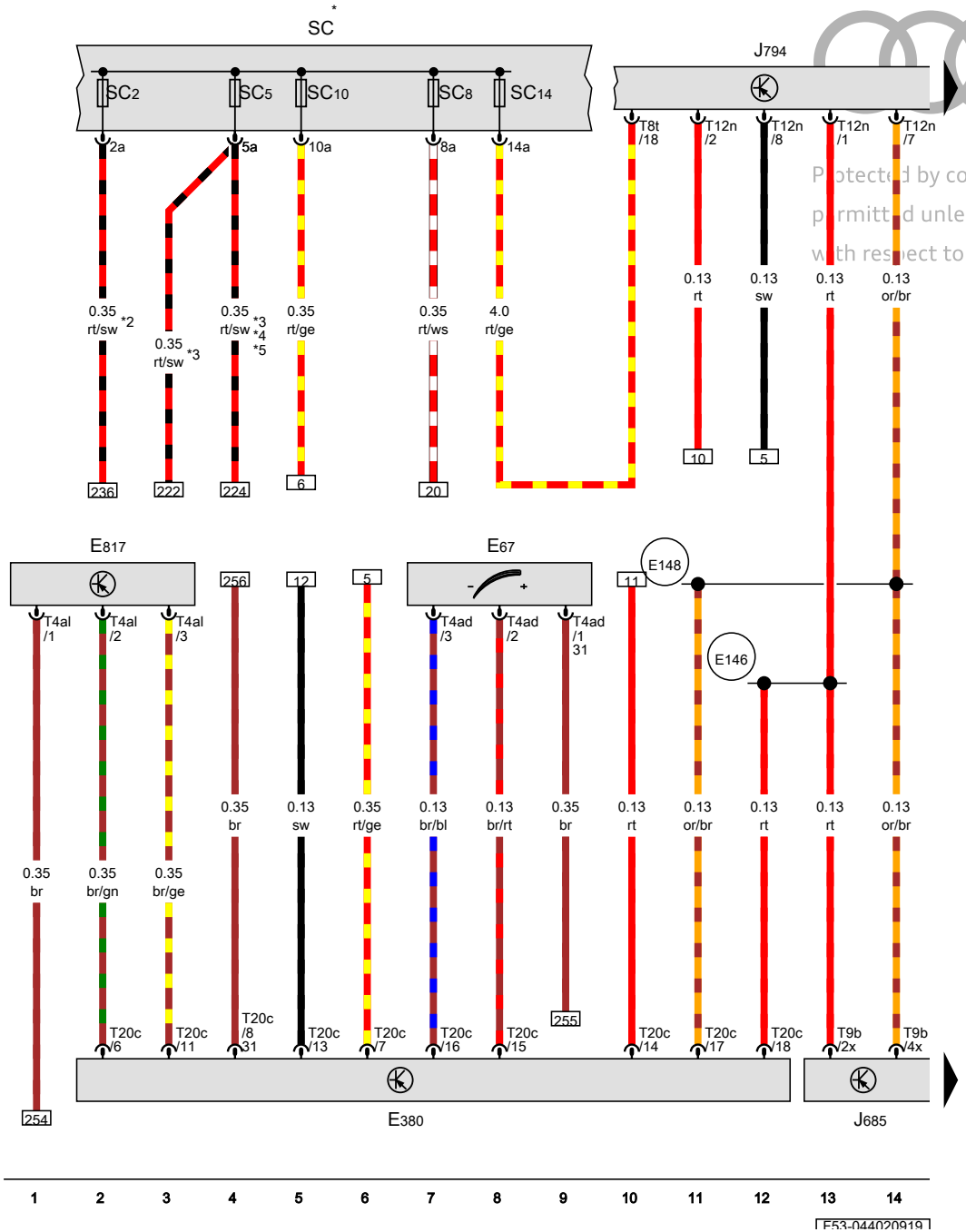

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Driver side volume regulator, Multimedia system operating unit, Multimedia system button module, Display unit for front information display and operating unit control unit, Control unit 1 for information electronics

E67	Driver side volume regulator
E380	Multimedia system operating unit
E817	Multimedia system button module
J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
SC	Fuse holder C
SC2	Fuse 2 on fuse holder C
SC5	Fuse 5 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
T4ad	4-pin connector, black
T4al	4-pin connector, brown
T8t	8-pin connector, black
T9b	9-pin connector, blue
T12n	12-pin connector, grey
T20c	20-pin connector, black
E146	Connection 2 (CAN bus, control unit 1 for information electronics, high)
E148	Connection 2 (CAN bus, control unit 1 for information electronics, low)
*	see applicable current flow diagram for fuse assignment
*2	For models with equipment for Japan
*3	According to equipment
*4	For models with multiple USB connections
*5	For models with iPod holder

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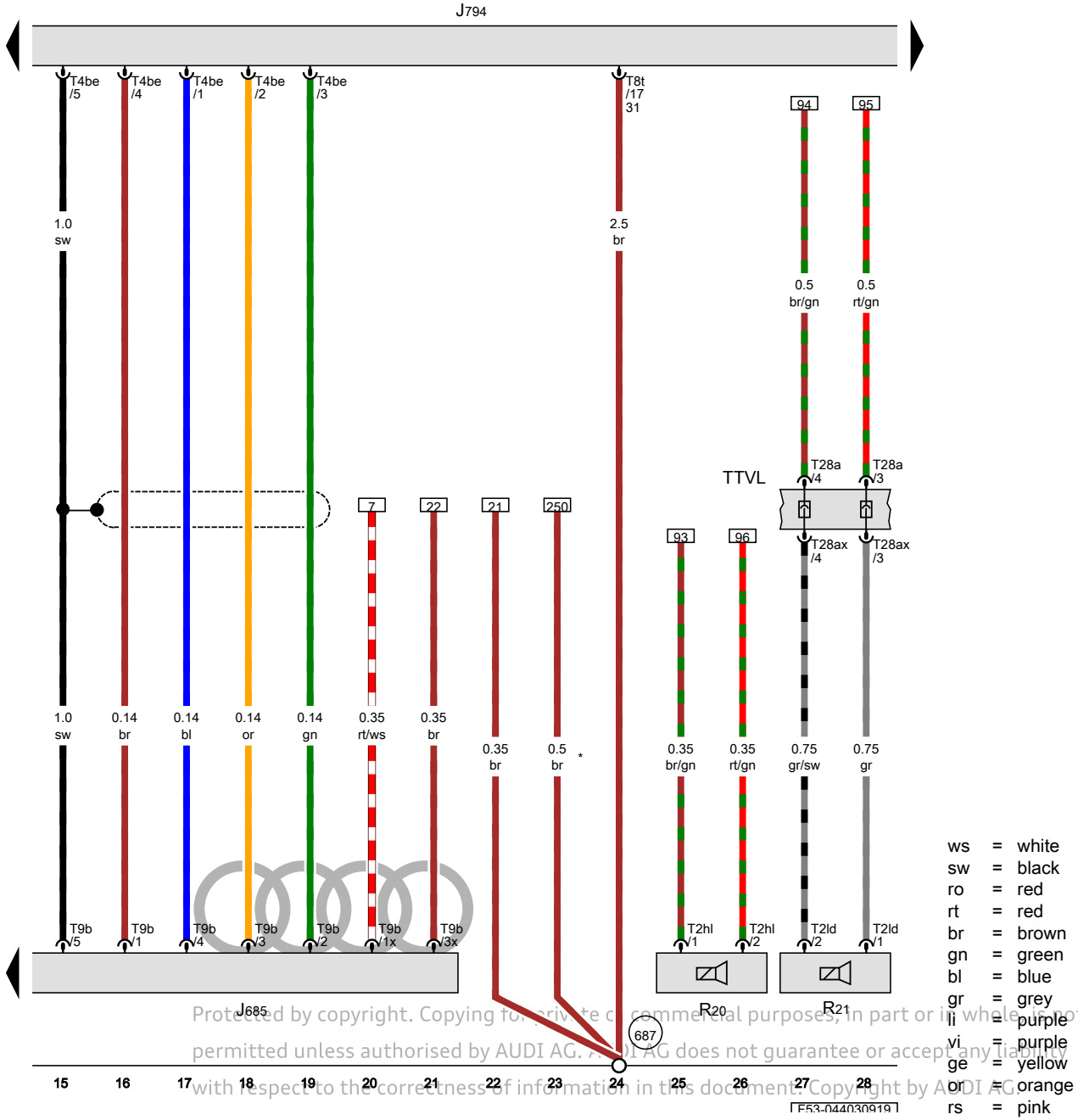

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gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Display unit for front information display and operating unit control unit, Control unit 1 for information electronics, Front left treble loudspeaker, Front left bass loudspeaker

J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
T2hl	2-pin connector, blue
T2ld	2-pin connector, black
T4be	4-pin connector, grey, blue
T8t	8-pin connector, black
T9b	9-pin connector, blue
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
687	Earth point 1, on centre tunnel
*	For right-hand drive models

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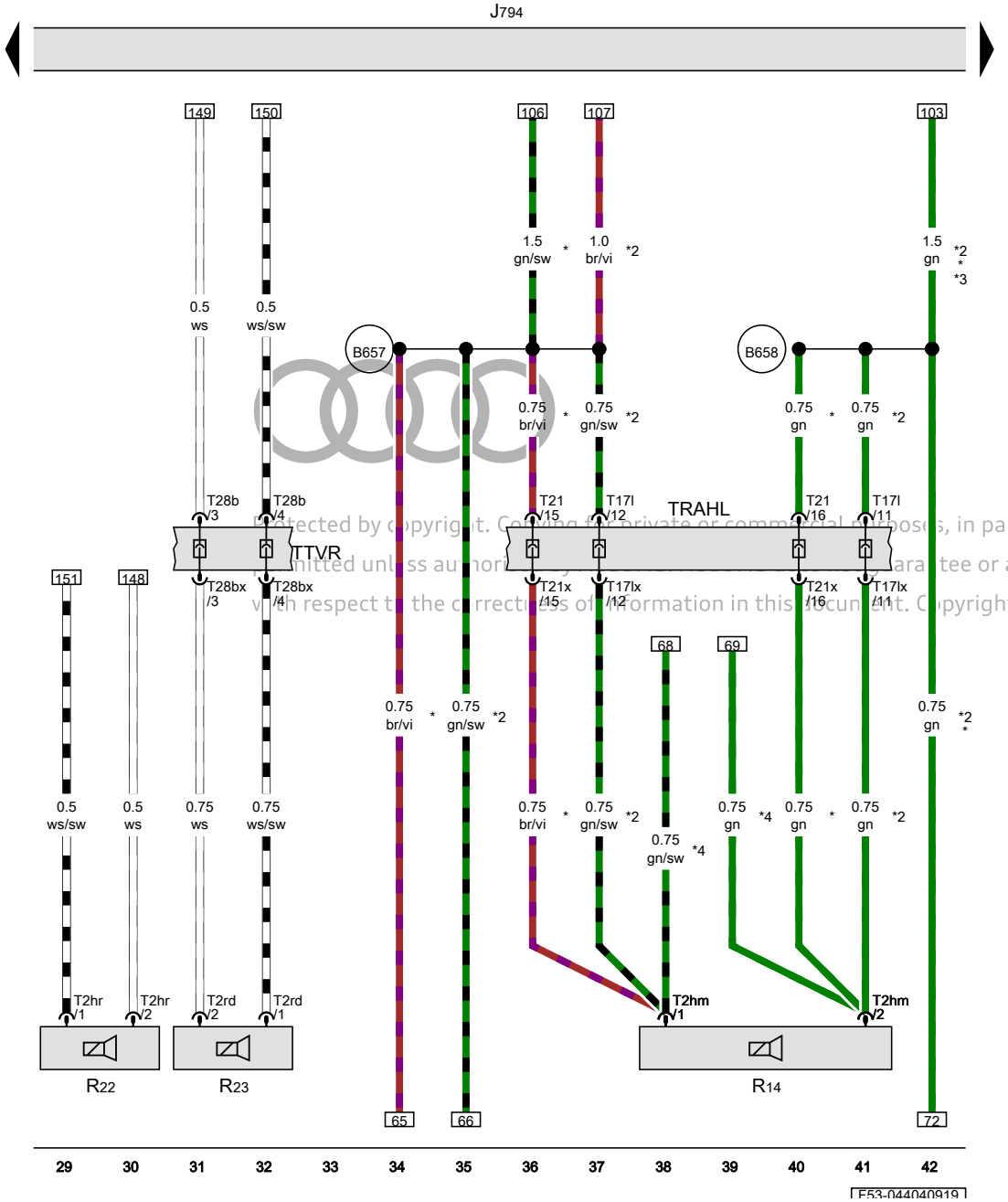
Control unit 1 for information electronics, Rear left treble loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker



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J794	Control unit 1 for information electronics
R14	Rear left treble loudspeaker
R22	Front right treble loudspeaker
R23	Front right bass loudspeaker
T2hm	2-pin connector, black
T2hr	2-pin connector, blue
T2rd	2-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
TTVR	Coupling point for front right door
B657	Connection 7 (loudspeaker), in main wiring harness
B658	Connection 8 (loudspeaker), in main wiring harness
*	For Cabriolet models
*2	Coupé
*3	Cross section depends on equipment
*4	Sportback

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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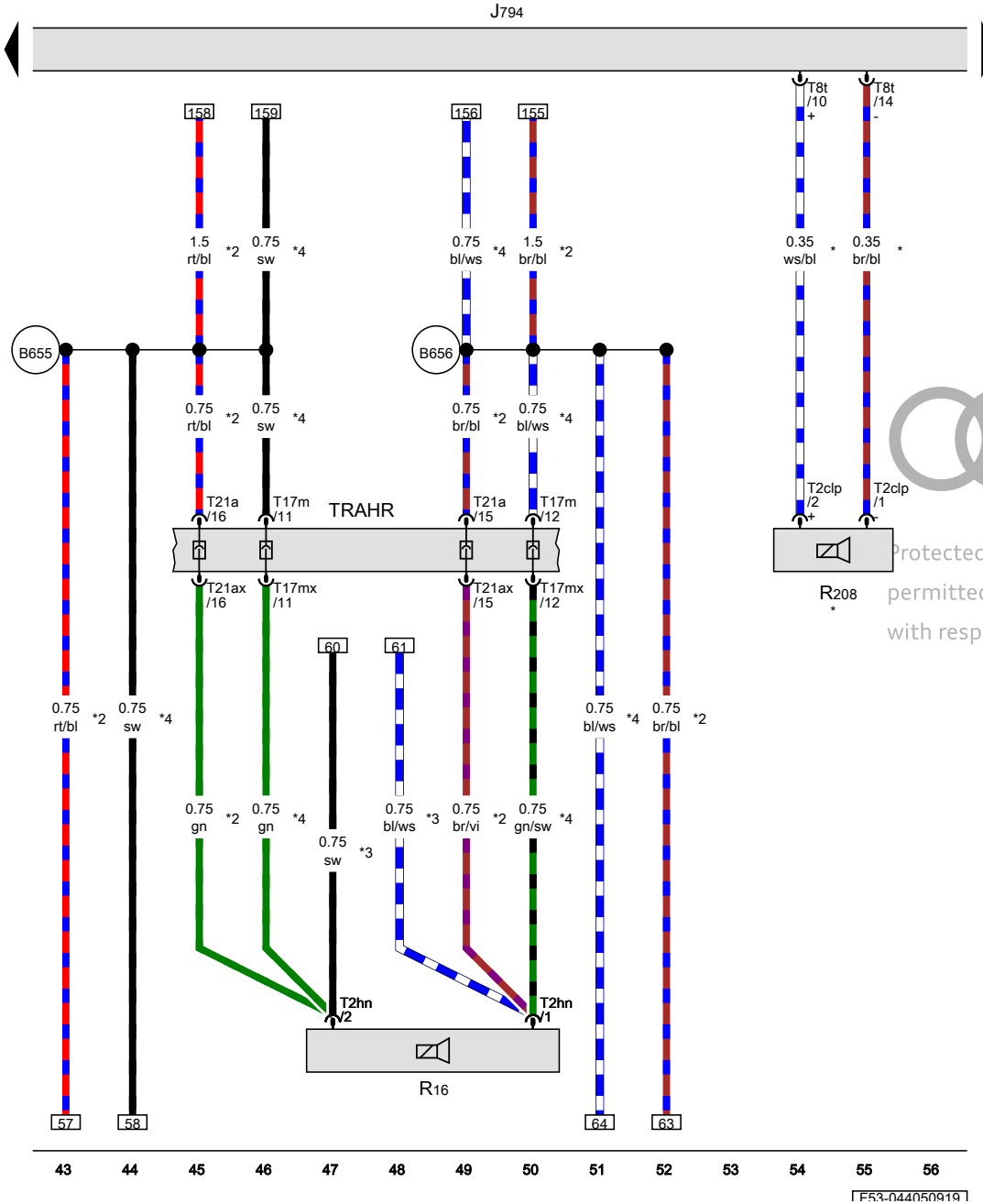

Control unit 1 for information electronics, Rear right treble loudspeaker, Centre loudspeaker

J794	Control unit 1 for information electronics
R16	Rear right treble loudspeaker
R208	Centre loudspeaker
T2clp	2-pin connector, black
T2hn	2-pin connector, black
T8t	8-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
B655	Connection 5 (loudspeaker), in main wiring harness
B656	Connection 6 (loudspeaker), in main wiring harness
*	For models with active loudspeakers
*2	For Cabriolet models
*3	Sportback
*4	Coupé

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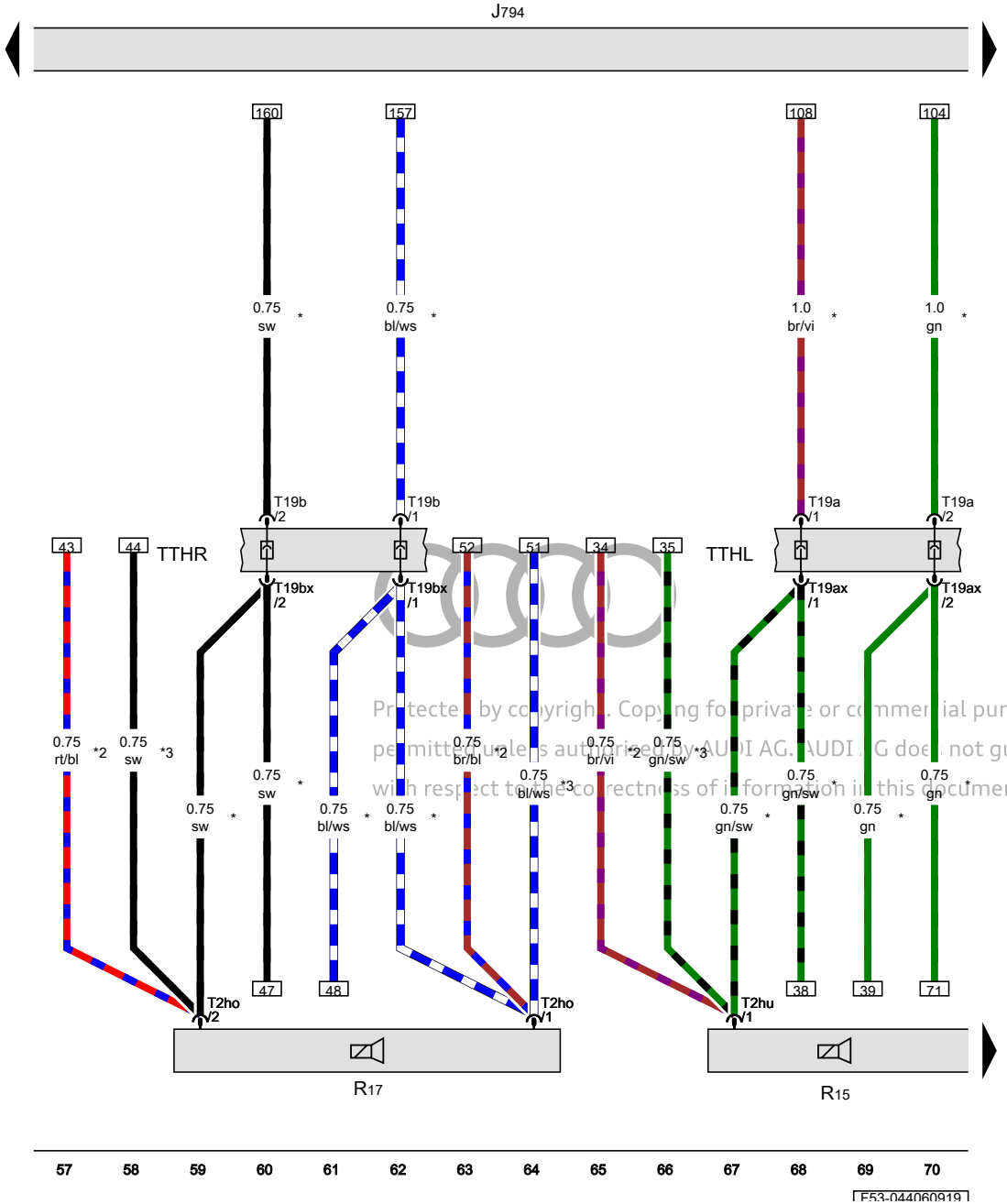
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit 1 for information electronics, Rear left bass loudspeaker, Rear right bass loudspeaker

J794	Control unit 1 for information electronics
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T2ho	2-pin connector, black
T2hu	2-pin connector, black
T19a	19-pin connector, black
T19ax	19-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
TTHL	Coupling point for rear left door
TTHR	Coupling point for rear right door
*	Sportback
*2	For Cabriolet models
*3	Coupé



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gr	=	grey
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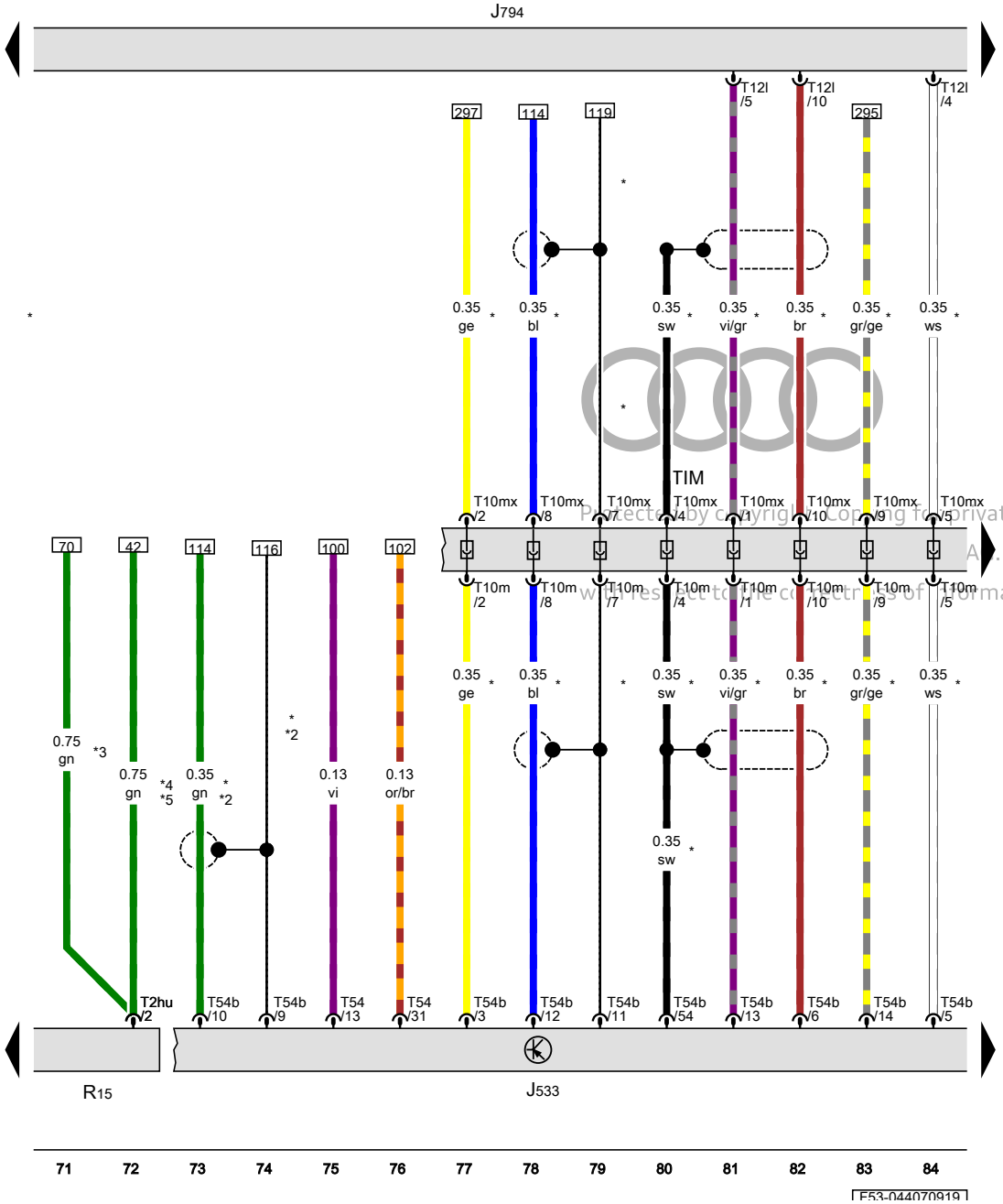
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Data bus diagnostic interface, Control unit 1 for information electronics, Rear left bass loudspeaker

J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R15	Rear left bass loudspeaker
T2hu	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12l	12-pin connector, blue
T54	54-pin connector, black
T54b	54-pin connector, blue
TIM	Coupling point in interior, centre
*	According to equipment
*2	see applicable current flow diagram for emergency call module
*3	Sportback
*4	Coupé
*5	For Cabriolet models



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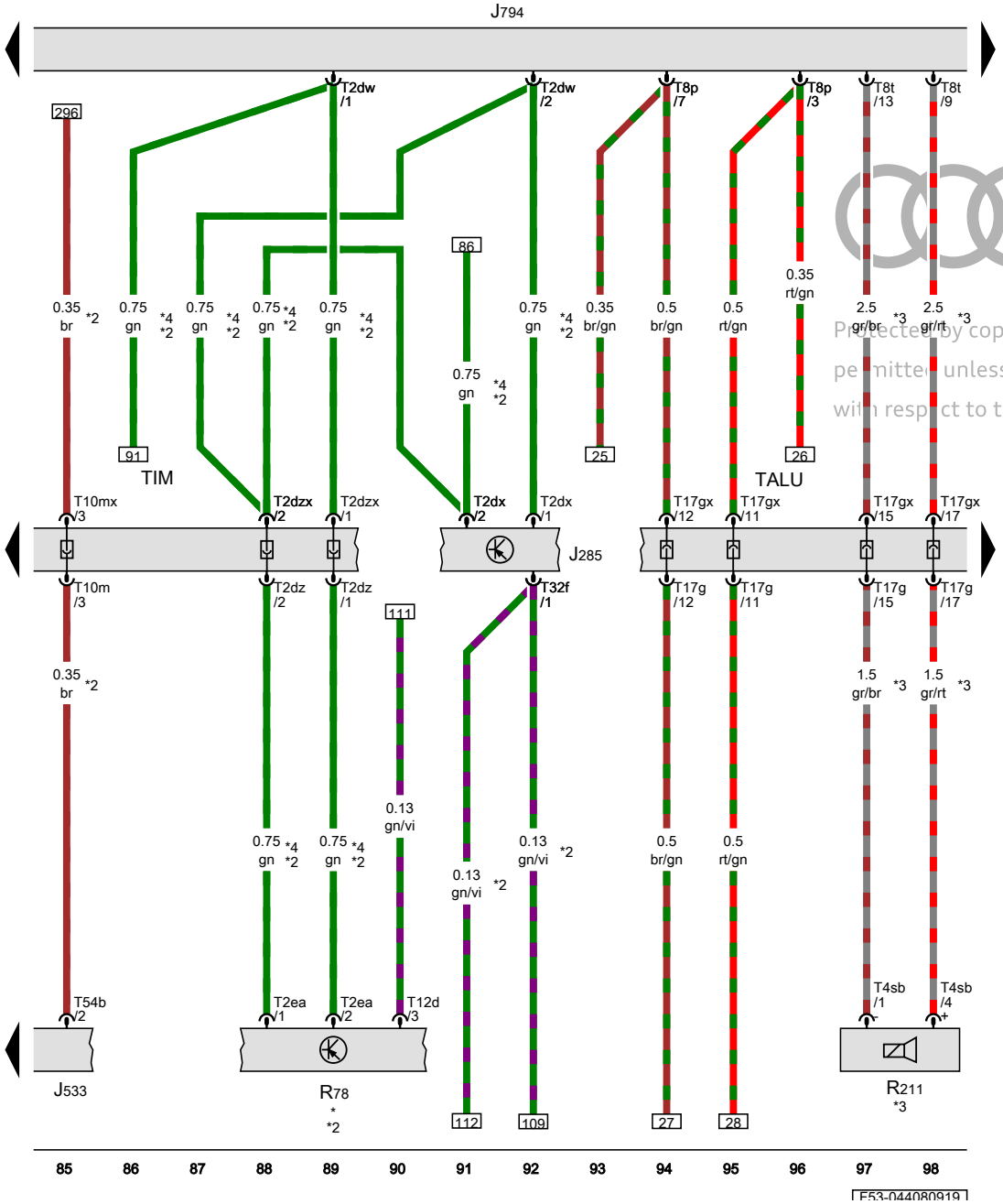

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gn = green
bl = blue
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vi = purple
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rs = pink

Control unit in dash panel insert, Data bus diagnostic interface, Control unit 1 for information electronics, TV tuner, Subwoofer

J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R78	TV tuner
R211	Subwoofer
T2dw	2-pin connector, black
T2dx	2-pin connector, black
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T2ea	2-pin connector, black
T4sb	4-pin connector, black
T8p	8-pin connector, brown
T8t	8-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12d	12-pin connector, black
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T32f	32-pin connector, grey
T54b	54-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
*	see applicable current flow diagram for TV tuner
*2	According to equipment
*3	For models with active loudspeakers
*4	Fibre optic cable (FOC)

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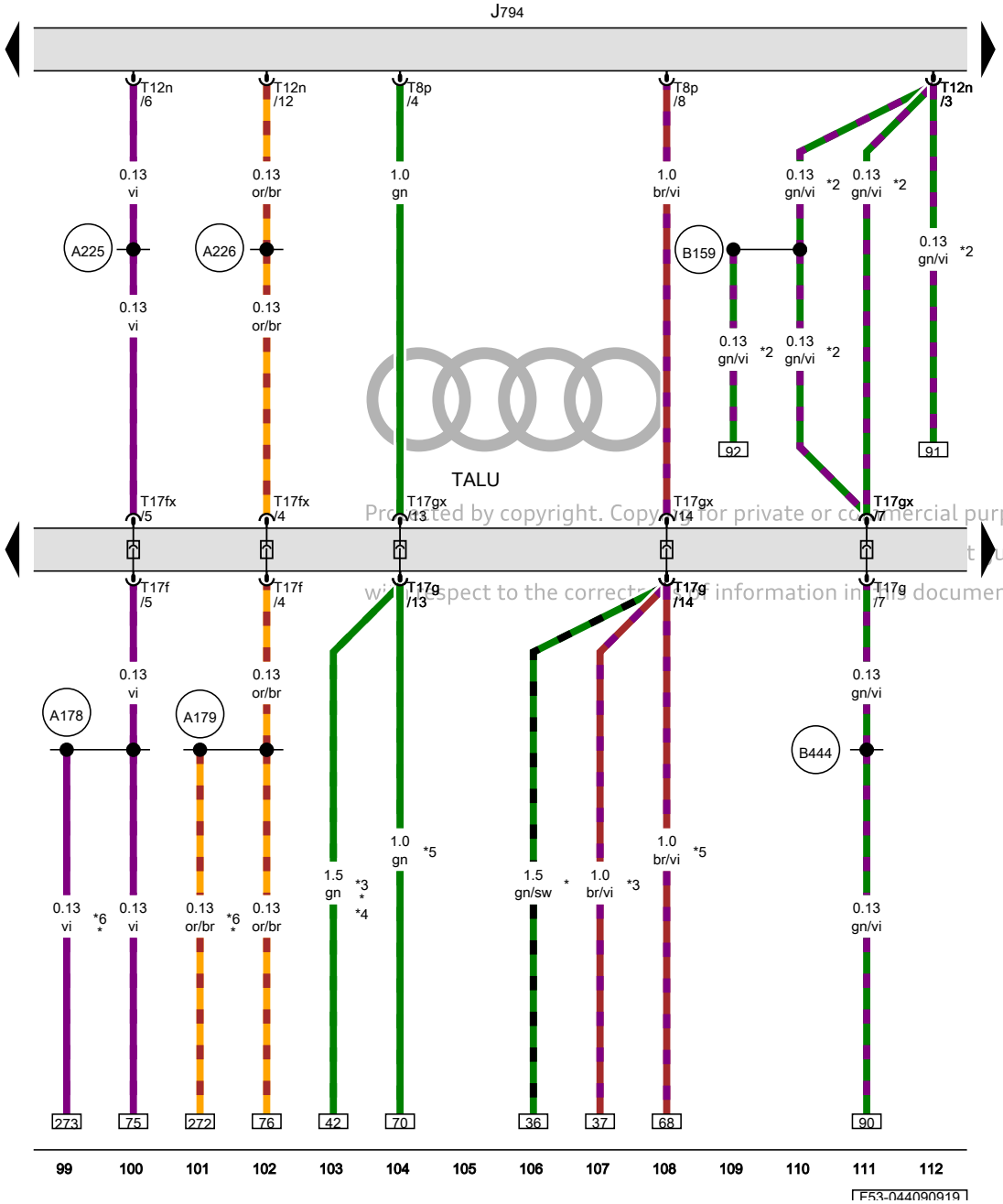

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vi = purple
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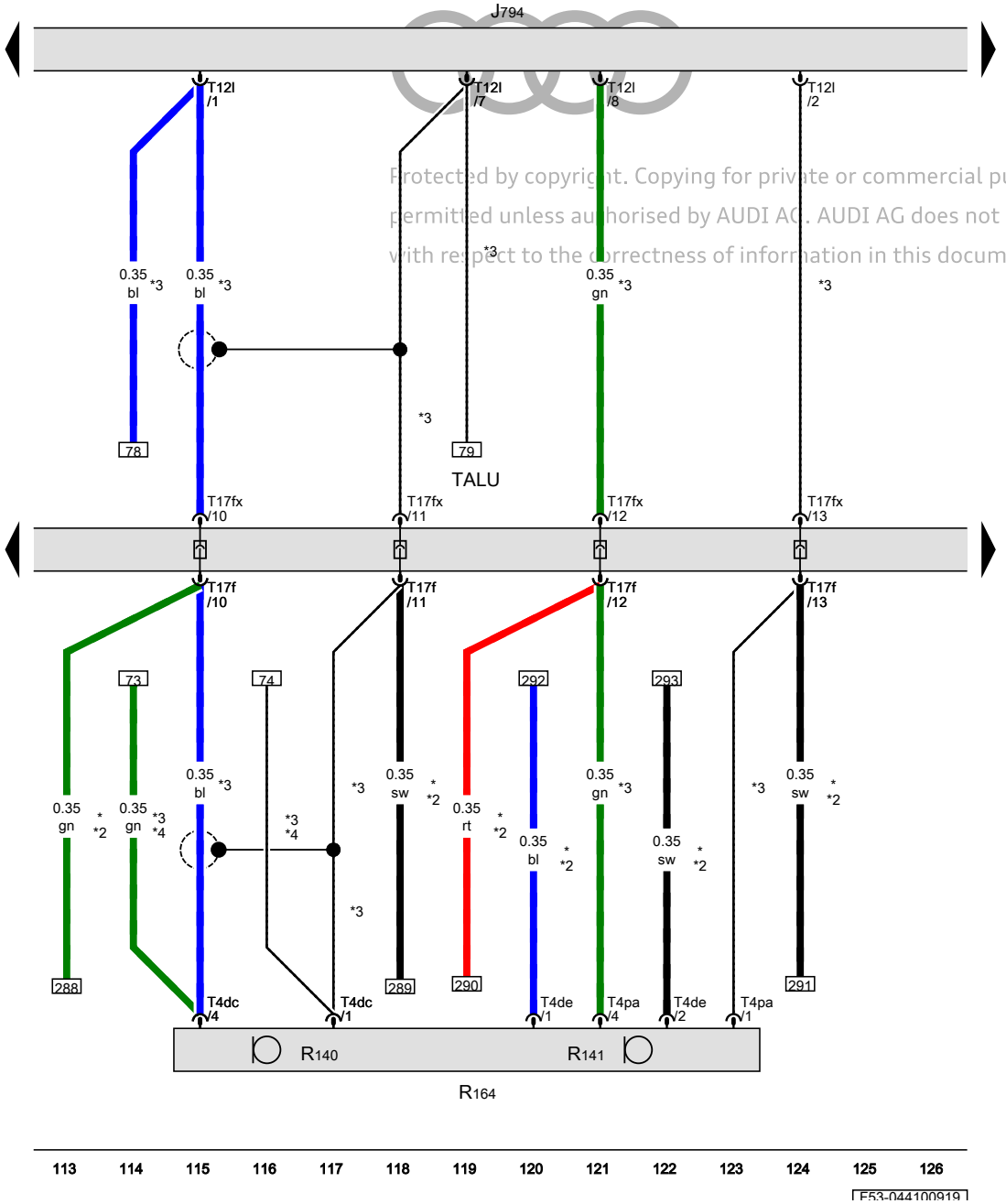
or = orange
rs = pink

Control unit 1 for information electronics

J794	Control unit 1 for information electronics
T8p	8-pin connector, brown
T12n	12-pin connector, grey
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B159	Connection (diagnosis), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	For Cabriolet models
*2	According to equipment
*3	Coupé
*4	Cross section depends on equipment
*5	Sportback
*6	For models with seat belt microphone



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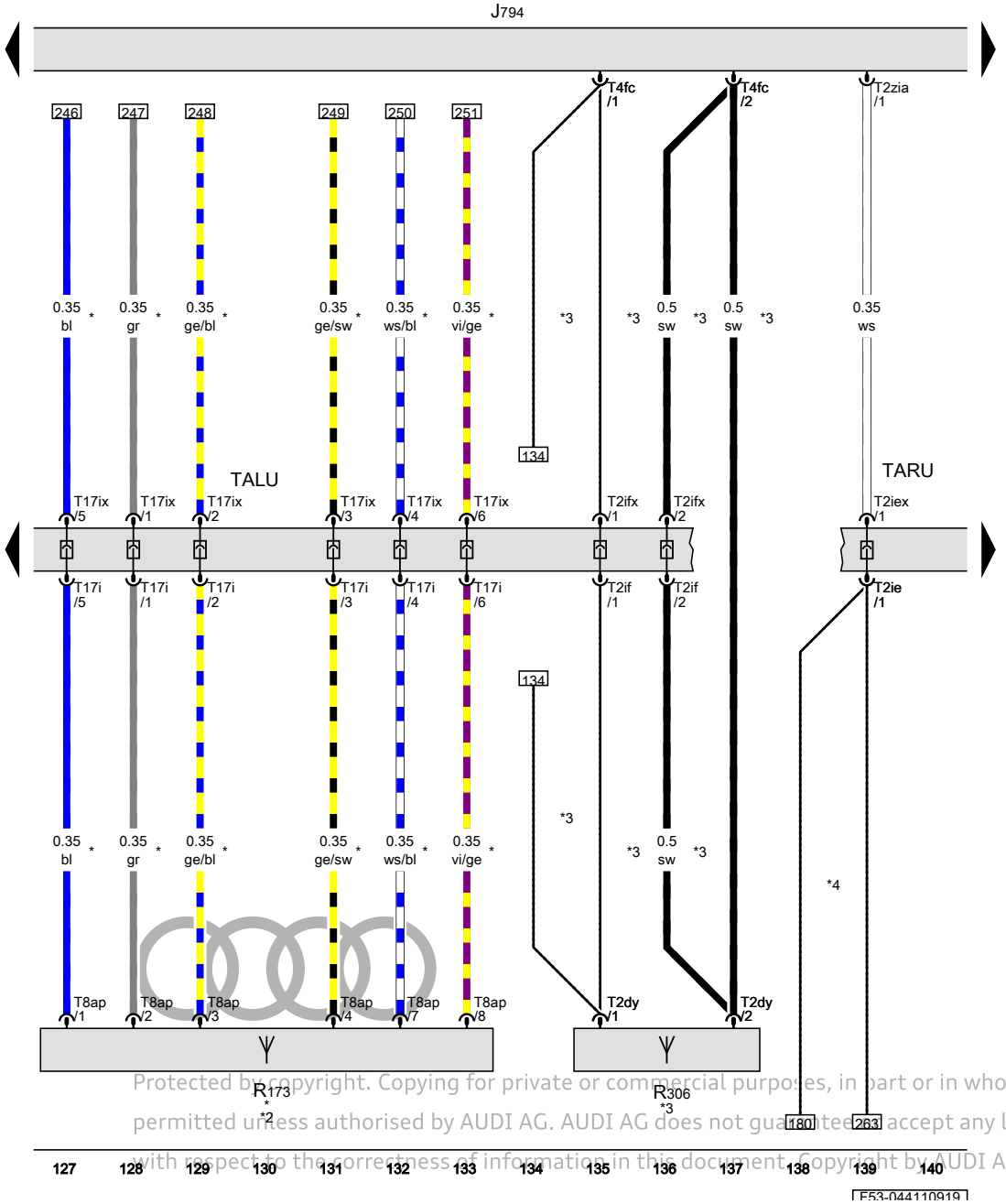
Control unit 1 for information electronics, Front left microphone, Front right microphone, Microphone unit in front roof module

J794	Control unit 1 for information electronics
R140	Front left microphone
R141	Front right microphone
R164	Microphone unit in front roof module
T4dc	4-pin connector, grey
T4de	4-pin connector, black
T4pa	4-pin connector, blue
T12l	12-pin connector, blue
T17f	17-pin connector, red
T17fx	17-pin connector, red
TALU	Coupling point on left A-pillar, bottom
*	For models with seat belt microphone
*2	For Cabriolet models
*3	According to equipment
*4	see applicable current flow diagram for emergency call module

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit 1 for information electronics, Traffic data aerial, LTE aerial 2

J794	Control unit 1 for information electronics
R173	Traffic data aerial
R306	LTE aerial 2
T2dy	2-pin connector, purple
T2ie	2-pin connector, blue
T2iex	2-pin connector, blue
T2if	2-pin connector, purple
T2ifx	2-pin connector, purple
T2zia	2-pin connector, blue
T4fc	4-pin connector, purple
T8ap	8-pin connector, black
T17i	17-pin connector, green
T17ix	17-pin connector, green
TALU	Coupling point on left A-pillar, bottom
TARU	Coupling point on right A-pillar, bottom
*	For models with equipment for Japan
*2	Pre-wired component
*3	According to equipment
*4	For Cabriolet models



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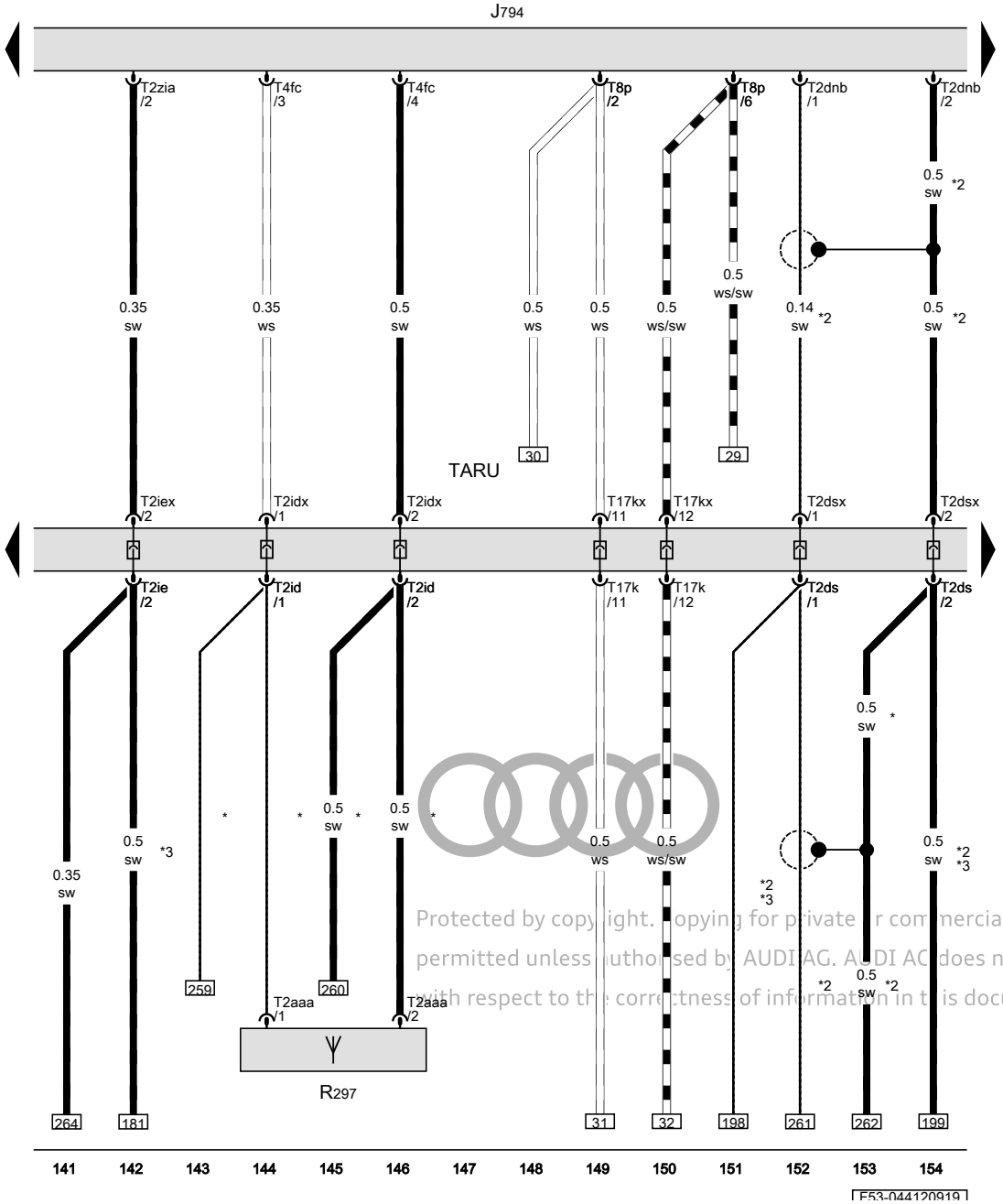

Control unit 1 for information electronics, LTE aerial 1

J794	Control unit 1 for information electronics
R297	LTE aerial 1
T2aaa	2-pin connector, purple
T2dnb	2-pin connector, brown
T2ds	2-pin connector, brown
T2dsx	2-pin connector, brown
T2id	2-pin connector, purple
T2idx	2-pin connector, purple
T2ie	2-pin connector, blue
T2iex	2-pin connector, blue
T2zia	2-pin connector, blue
T4fc	4-pin connector, purple
T8p	8-pin connector, brown
T17k	17-pin connector, green
T17kx	17-pin connector, green
TARU	Coupling point on right A-pillar, bottom
*	According to equipment
*2	For models with satellite radio
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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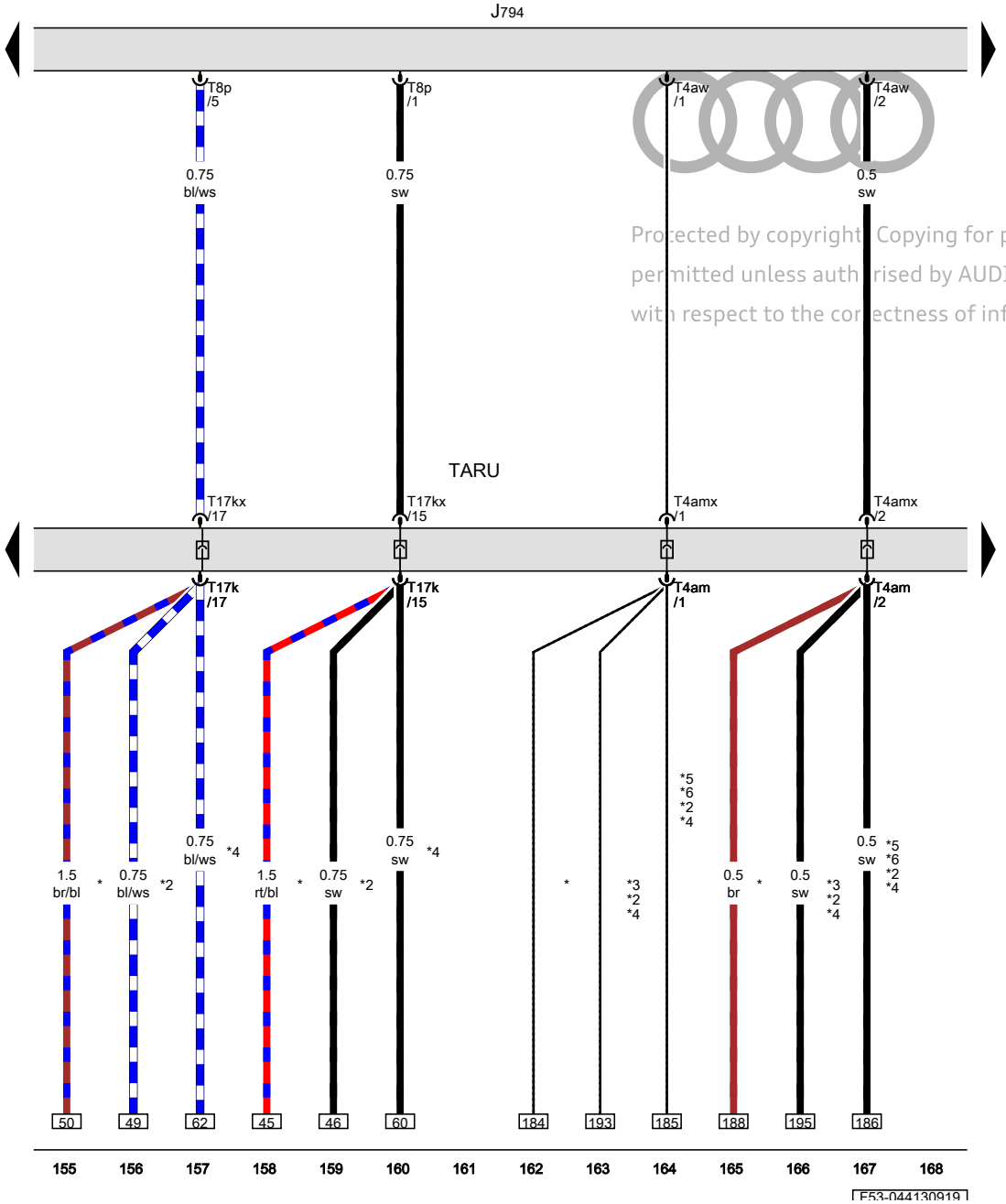

Control unit 1 for information electronics

J794	Control unit 1 for information electronics
T4am	4-pin connector, white
T4amx	4-pin connector, white
T4aw	4-pin connector, white
T8p	8-pin connector, brown
T17k	17-pin connector, green
T17kx	17-pin connector, green
TARU	Coupling point on right A-pillar, bottom
*	For Cabriolet models
*2	Coupé
*3	For models with no digital radio
*4	Sportback
*5	For models with no TV receiver
*6	For models with digital radio

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gr	=	grey
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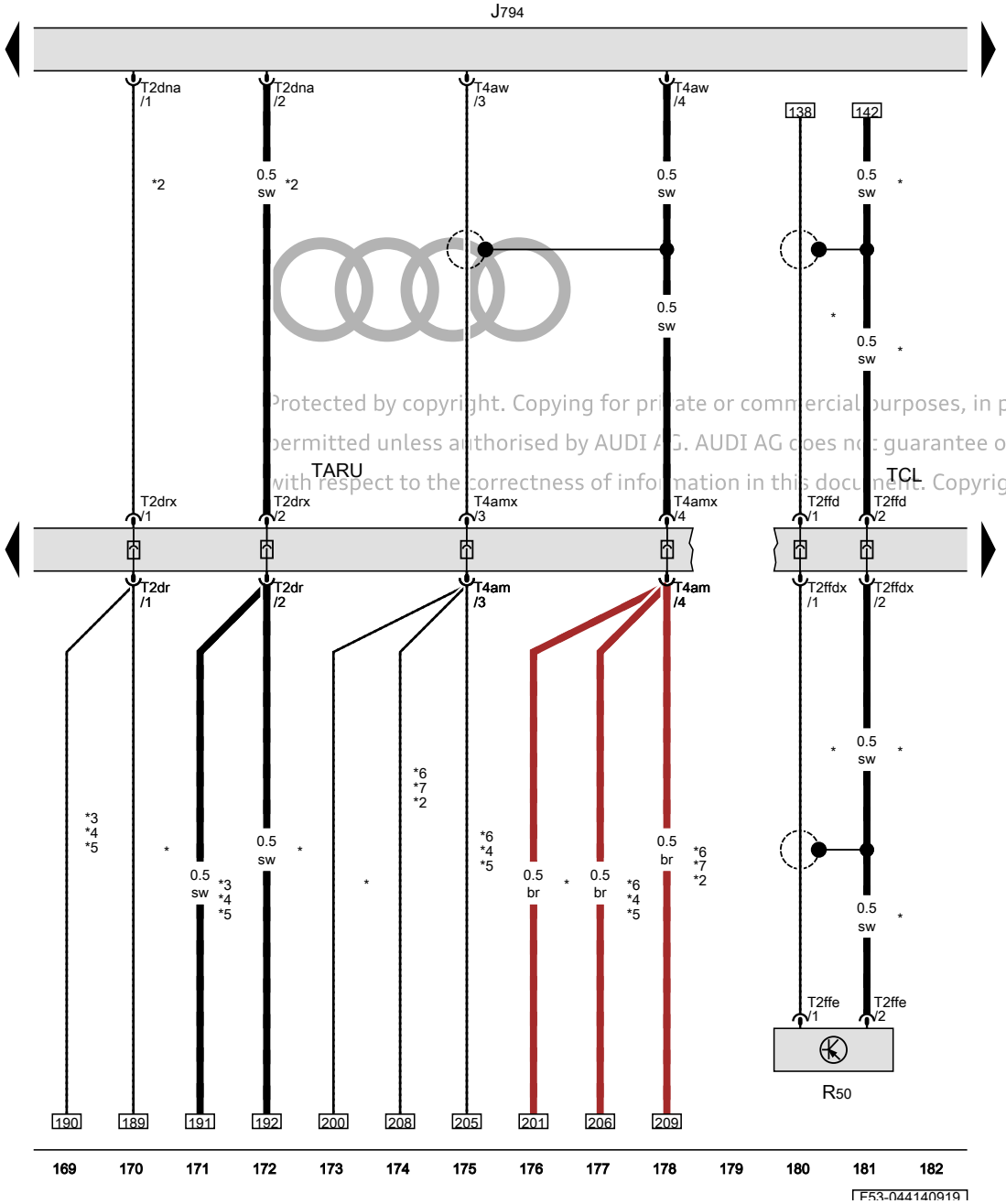
or	=	orange
rs	=	pink



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Control unit 1 for information electronics, GPS aerial

J794	Control unit 1 for information electronics
R50	GPS aerial
T2dna	2-pin connector, black
T2dr	2-pin connector, black
T2drx	2-pin connector, black
T2ffd	2-pin connector, blue
T2ffdx	2-pin connector, blue
T2ffe	2-pin connector, blue
T4am	4-pin connector, white
T4amx	4-pin connector, white
T4aw	4-pin connector, white
TARU	Coupling point on right A-pillar, bottom
TCL	Coupling point on left C-pillar, in rear left side panel
*	For Cabriolet models
*2	According to equipment
*3	For models with digital radio
*4	Coupé
*5	Sportback
*6	For models with no TV receiver
*7	For models with equipment for Japan

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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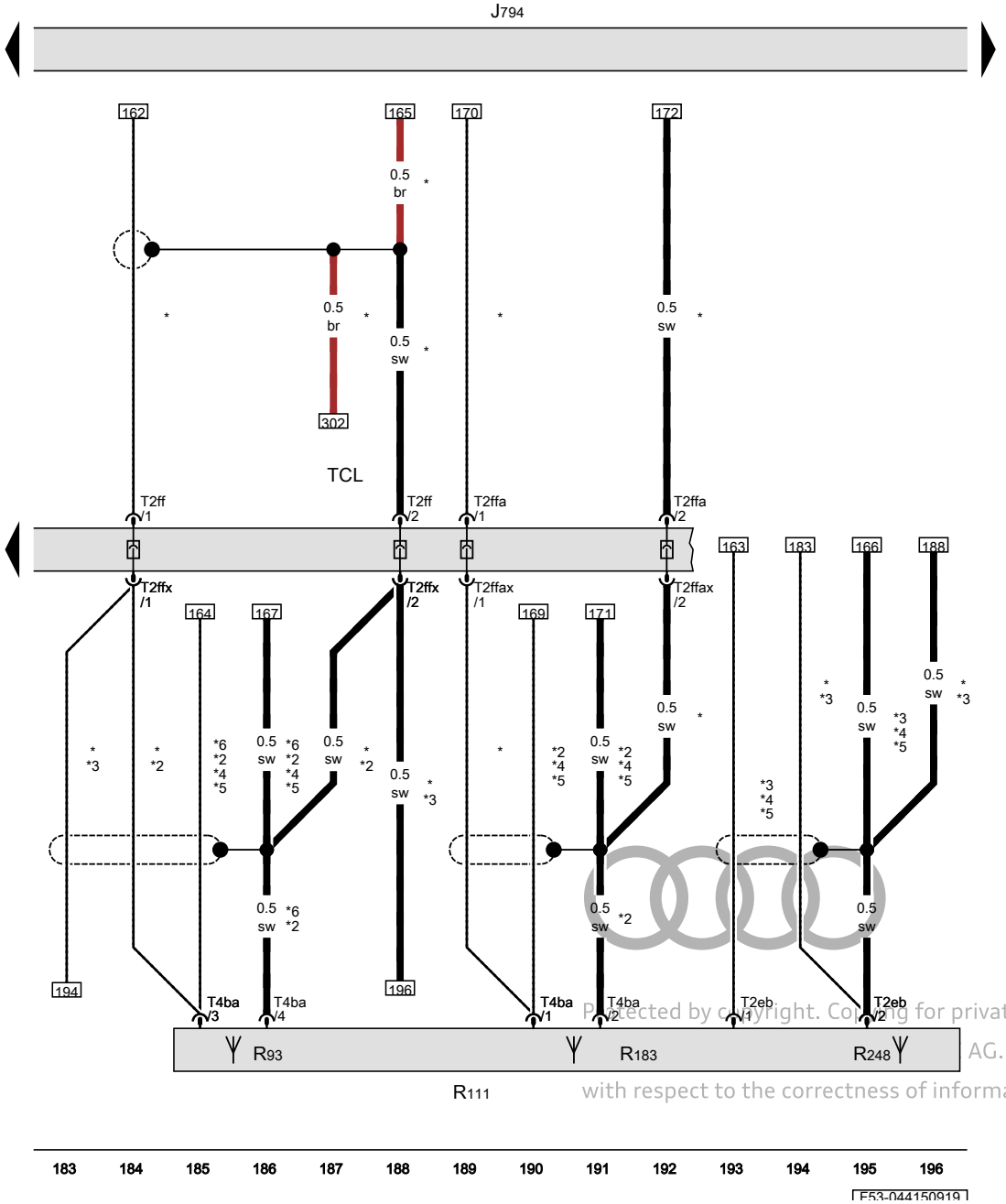
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit 1 for information electronics, Aerial amplifier 2

J794	Control unit 1 for information electronics
R93	Radio aerial 2
R111	Aerial amplifier 2
R183	Digital radio aerial
R248	Radio aerial
T2eb	2-pin connector, colourless
T2ff	2-pin connector, yellow
T2ffa	2-pin connector, black
T2ffax	2-pin connector, black
T2ffx	2-pin connector, yellow
T4ba	4-pin connector, colourless
TCL	Coupling point on left C-pillar, in rear left side panel
*	For Cabriolet models
*2	For models with digital radio
*3	For models with no digital radio
*4	Coupé
*5	Sportback
*6	For models with no TV receiver

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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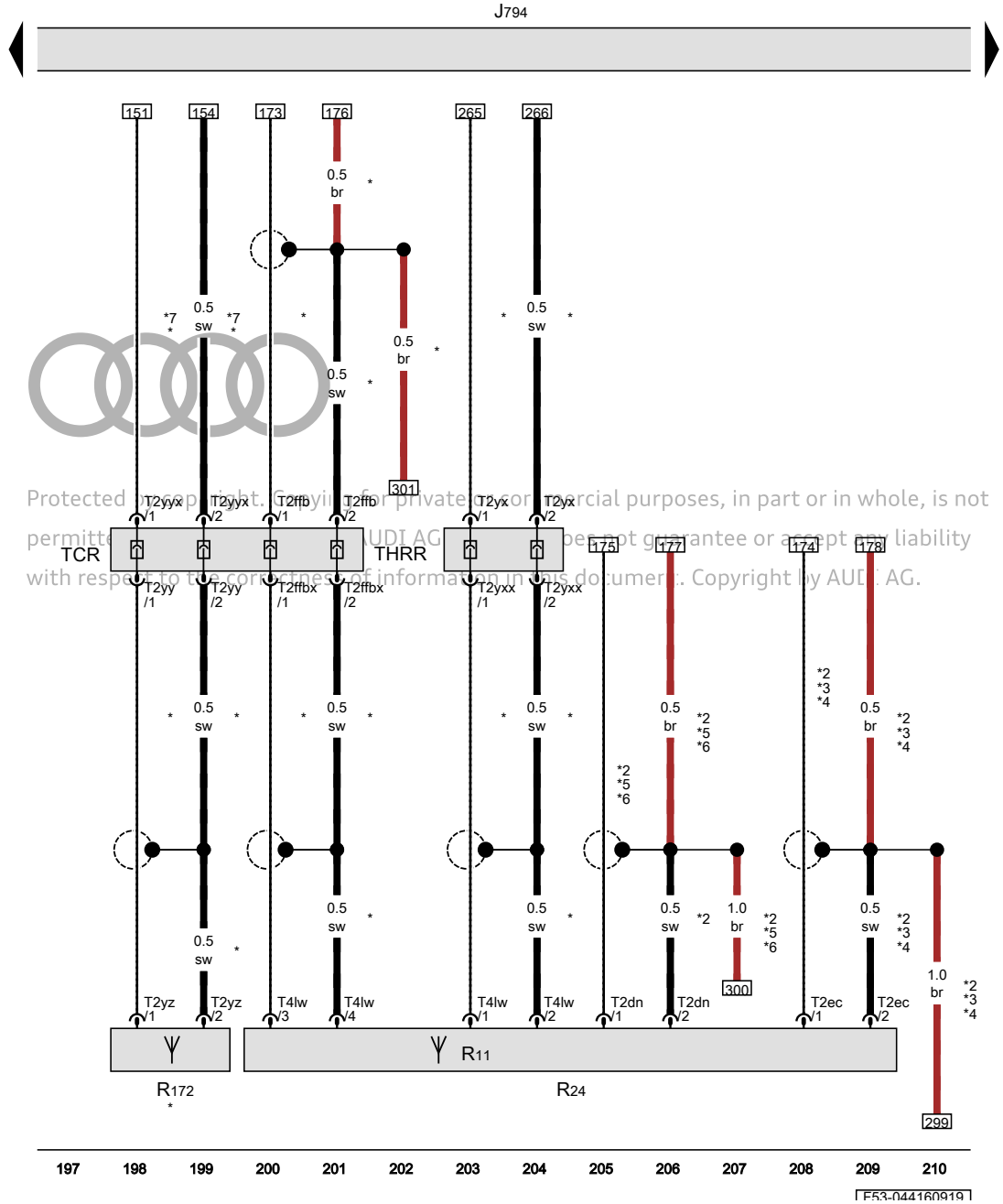
Control unit 1 for information electronics, Aerial amplifier

J794	Control unit 1 for information electronics
R11	Aerial
R24	Aerial amplifier
R172	Satellite tuner aerial
T2dn	2-pin connector, white
T2ec	2-pin connector, purple
T2ffb	2-pin connector, green
T2ffbx	2-pin connector, green
T2yx	2-pin connector, white
T2yxx	2-pin connector, white
T2yy	2-pin connector, grey
T2yyx	2-pin connector, grey
T2yz	2-pin connector, green
T4lw	4-pin connector, brown, green
TCR	Coupling point on right C-pillar, in rear right side panel
THRR	Coupling point in luggage compartment, right
*	For Cabriolet models
*2	For models with no TV receiver
*3	For models with equipment for Japan
*4	According to equipment
*5	Coupé
*6	Sportback
*7	For models with satellite radio



ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
rs	=	pink

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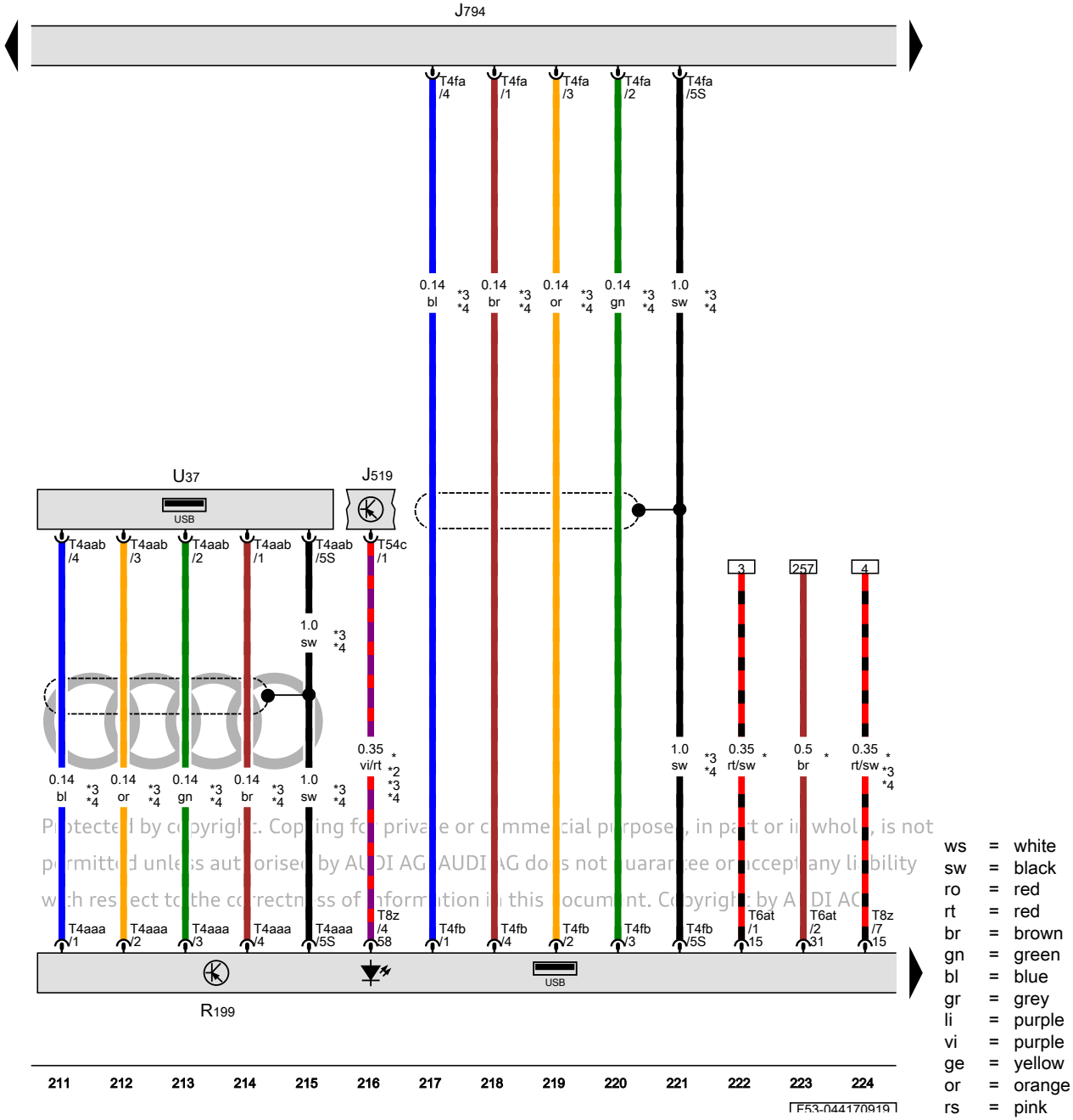
Onboard supply control unit, Control unit 1 for information electronics, Connection for external audio sources

J519	Onboard supply control unit
J794	Control unit 1 for information electronics
R199	Connection for external audio sources
T4aaa	4-pin connector, purple
T4aab	4-pin connector, green
T4fa	4-pin connector, yellow
T4fb	4-pin connector, green
T6at	6-pin connector, black
T8z	8-pin connector, black
T54c	54-pin connector, black
U37	USB charging socket 1
*	According to equipment
*2	For models with USB connection
*3	For models with multiple USB connections
*4	For models with iPod holder



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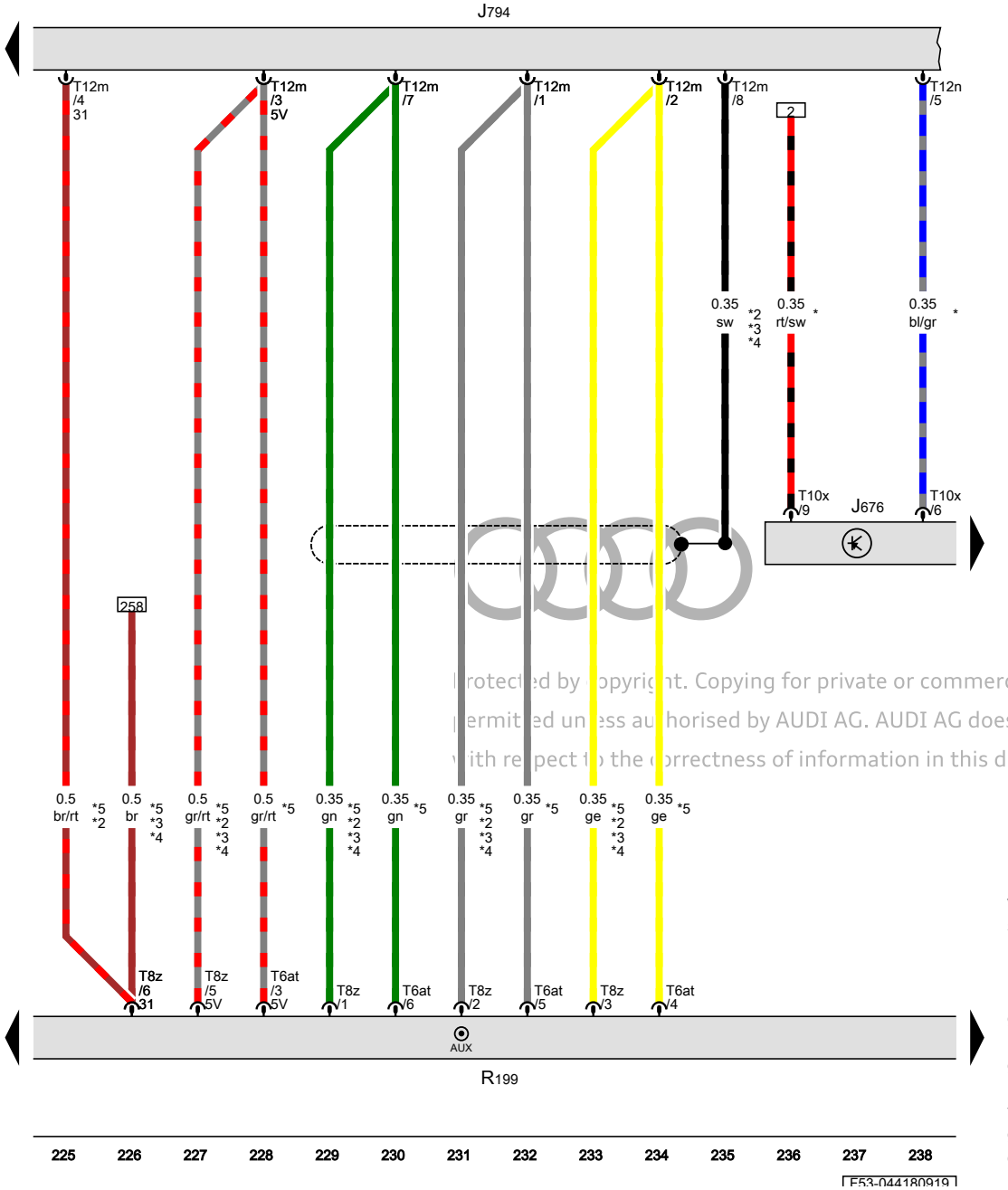
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Chip card reader control unit, Control unit 1 for information electronics, Connection for external audio sources

J676	Chip card reader control unit
J794	Control unit 1 for information electronics
R199	Connection for external audio sources
T6at	6-pin connector, black
T8z	8-pin connector, black
T10x	10-pin connector, black
T12m	12-pin connector, green
T12n	12-pin connector, grey
*	For models with equipment for Japan
*2	For models with USB connection
*3	For models with multiple USB connections
*4	For models with iPod holder
*5	According to equipment



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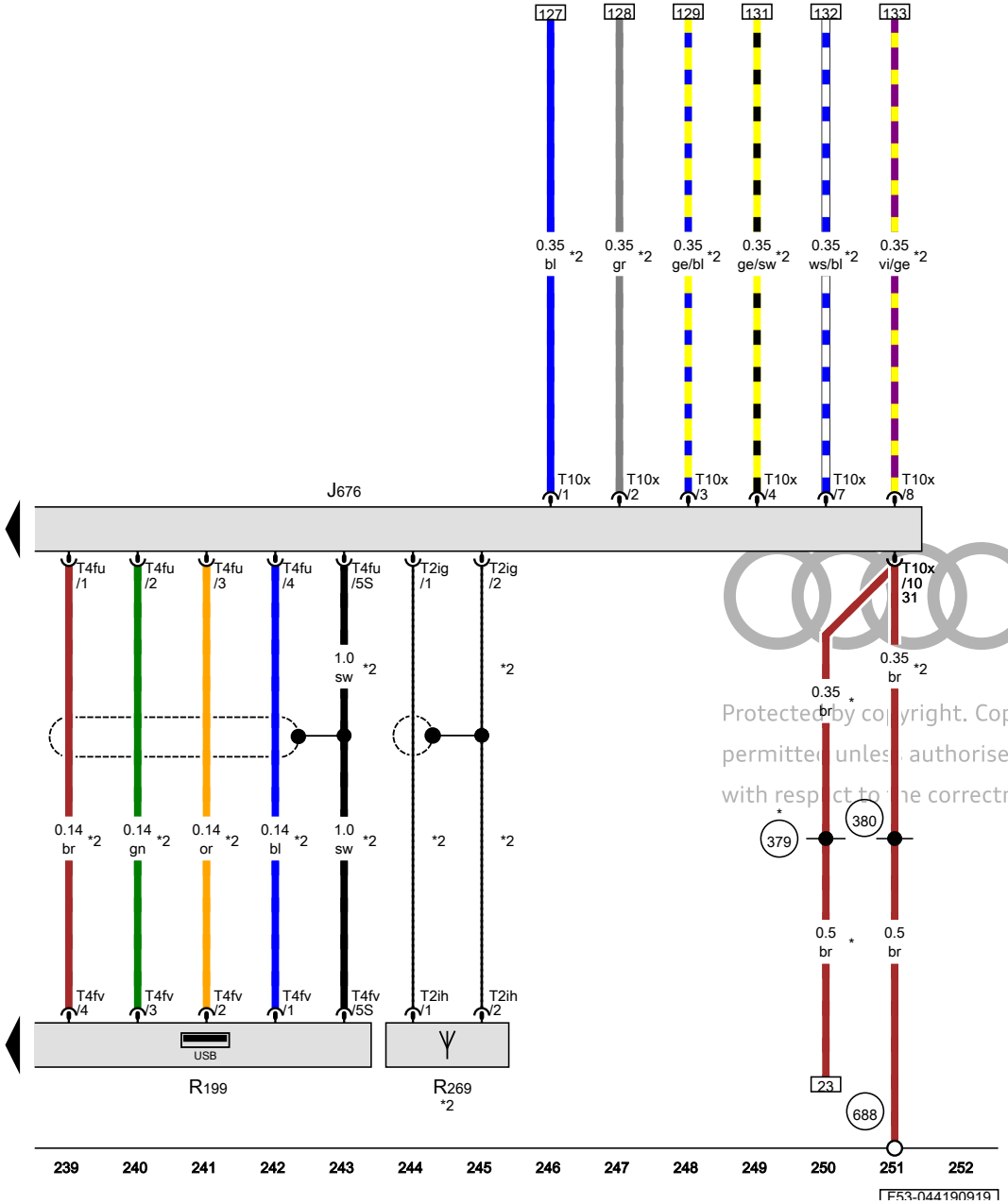
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Chip card reader control unit, Connection for external audio sources, Dedicated short-range communication aerial

J676	Chip card reader control unit
R199	Connection for external audio sources
R269	Dedicated short-range communication aerial
T2ig	2-pin connector, yellow
T2ih	2-pin connector, yellow
T4fu	4-pin connector, brown
T4fv	4-pin connector, brown
T10x	10-pin connector, black
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
688	Earth point 2, on centre tunnel
*	For right-hand drive models
*2	For models with equipment for Japan



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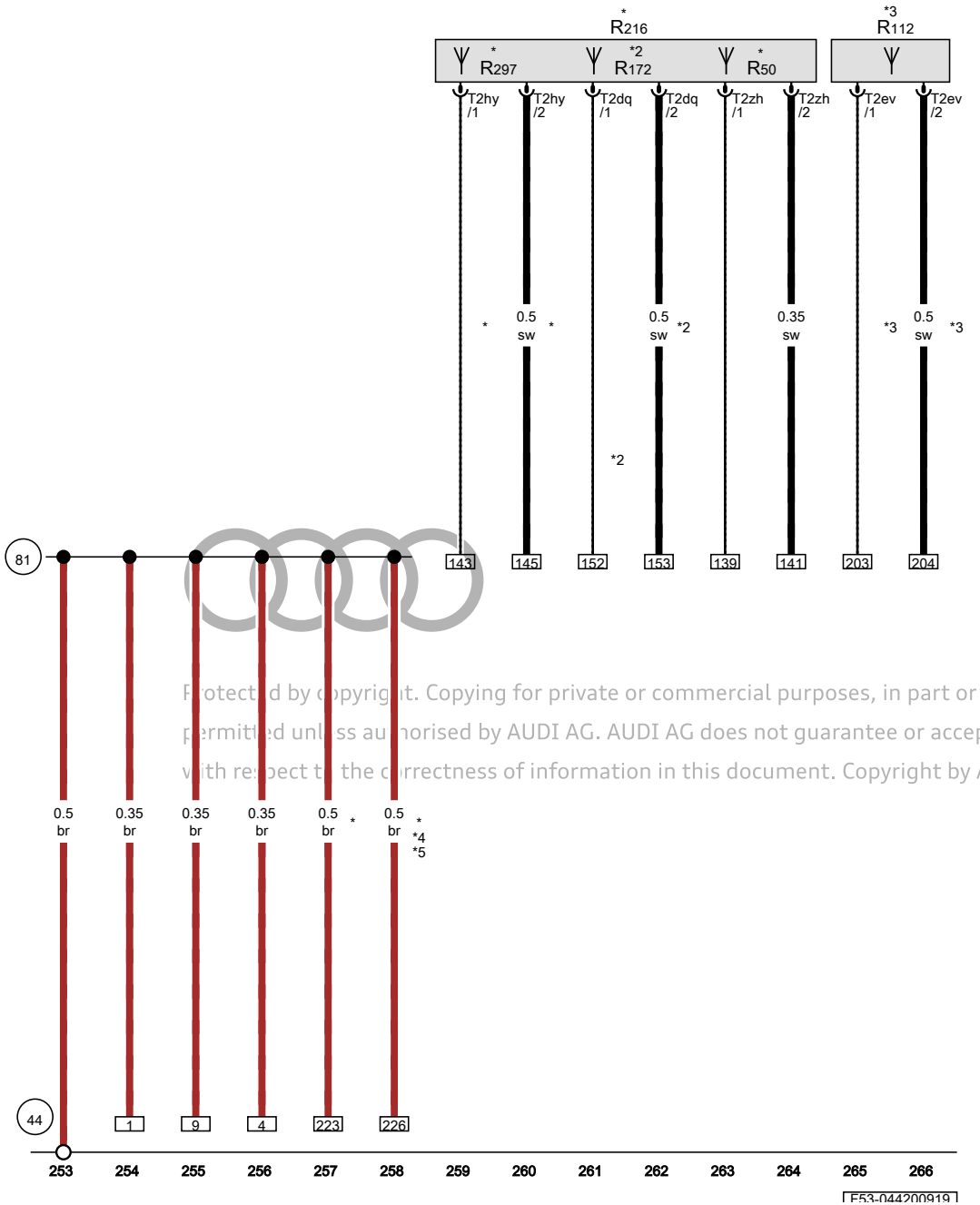

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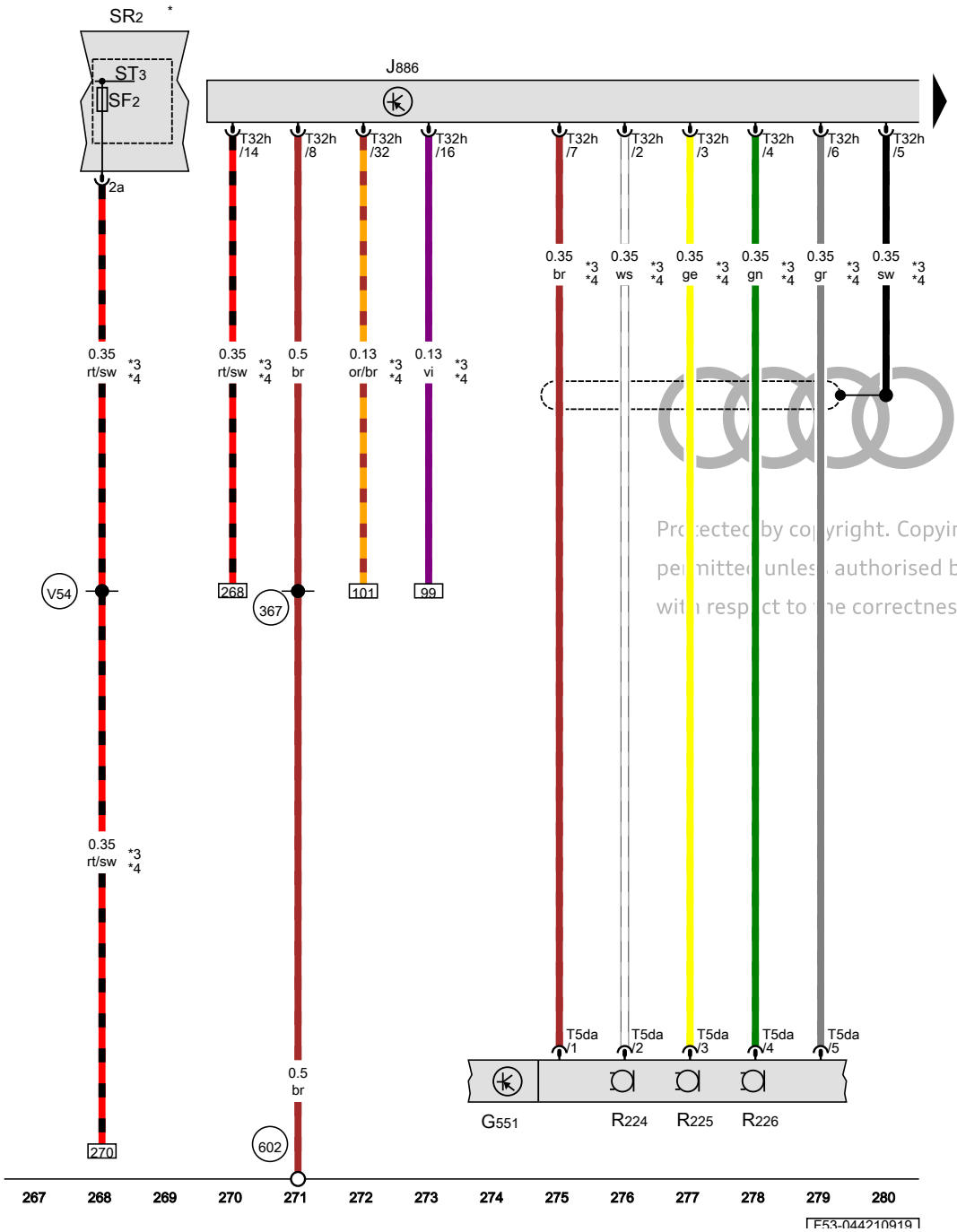
GPS aerial, Satellite tuner aerial, Roof aerial

R50	GPS aerial
R112	Aerial amplifier 3
R172	Satellite tuner aerial
R216	Roof aerial
R297	LTE aerial 1
T2dq	2-pin connector, green
T2ev	2-pin connector, grey
T2hy	2-pin connector, purple
T2zh	2-pin connector, blue
44	Earth point, lower part of left A-pillar
81	Earth connection 1, in dash panel wiring harness
*	According to equipment
*2	For models with satellite radio
*3	For Cabriolet models
*4	For models with multiple USB connections
*5	For models with iPod holder

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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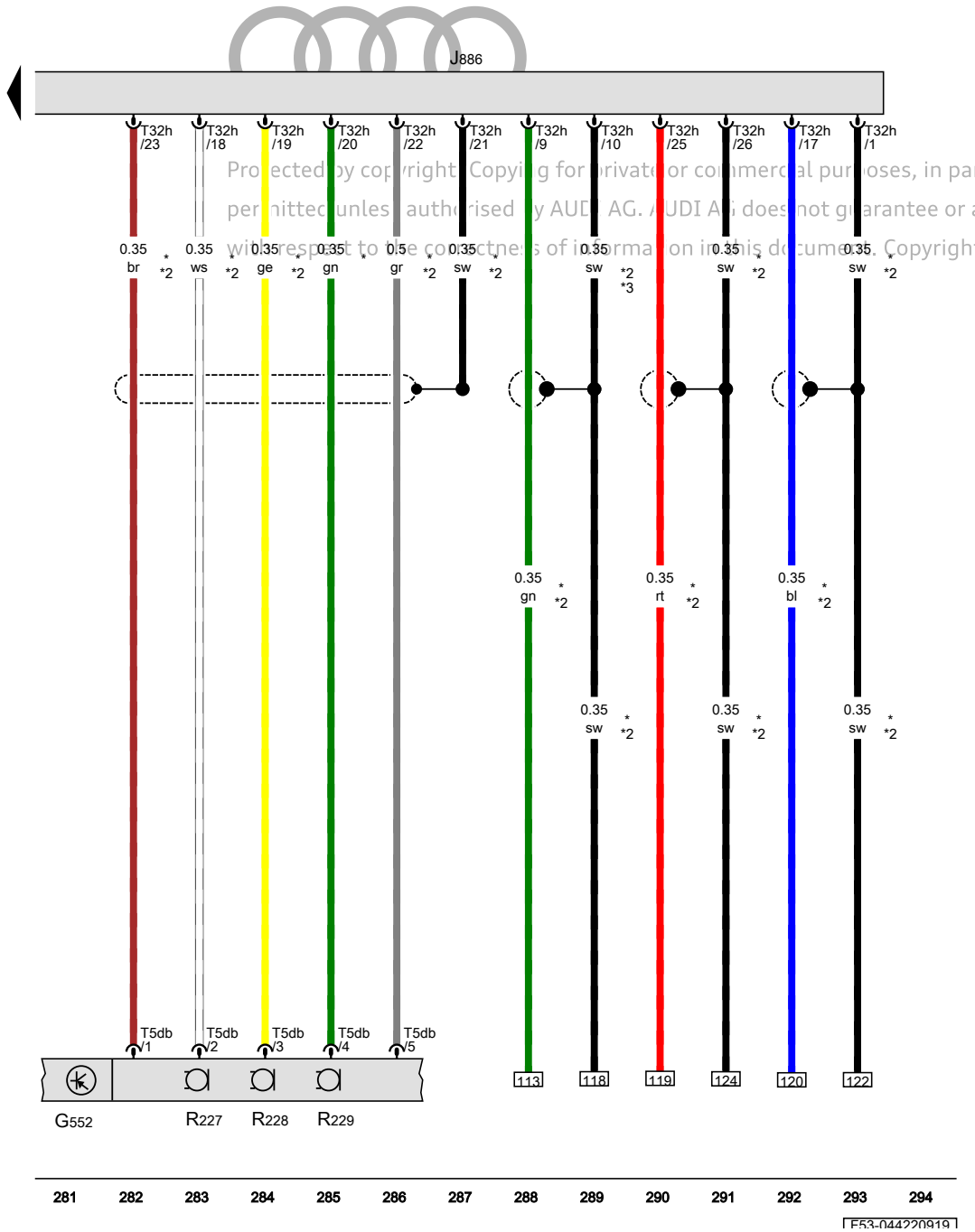
Control unit for seat belt microphone, Microphone 1 on driver side, Microphone 2 on driver side, Microphone 3 on driver side

G551	Driver side belt force limiter
J886	Control unit for seat belt microphone
R224	Microphone 1 on driver side
R225	Microphone 2 on driver side
R226	Microphone 3 on driver side
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
SF2	Fuse 2 in fuse holder F
ST3	Fuse carrier 3, brown
T5da	5-pin connector, black
T32h	32-pin connector, black
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
V54	Connection 1 (telephone), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	For models with seat belt microphone
*4	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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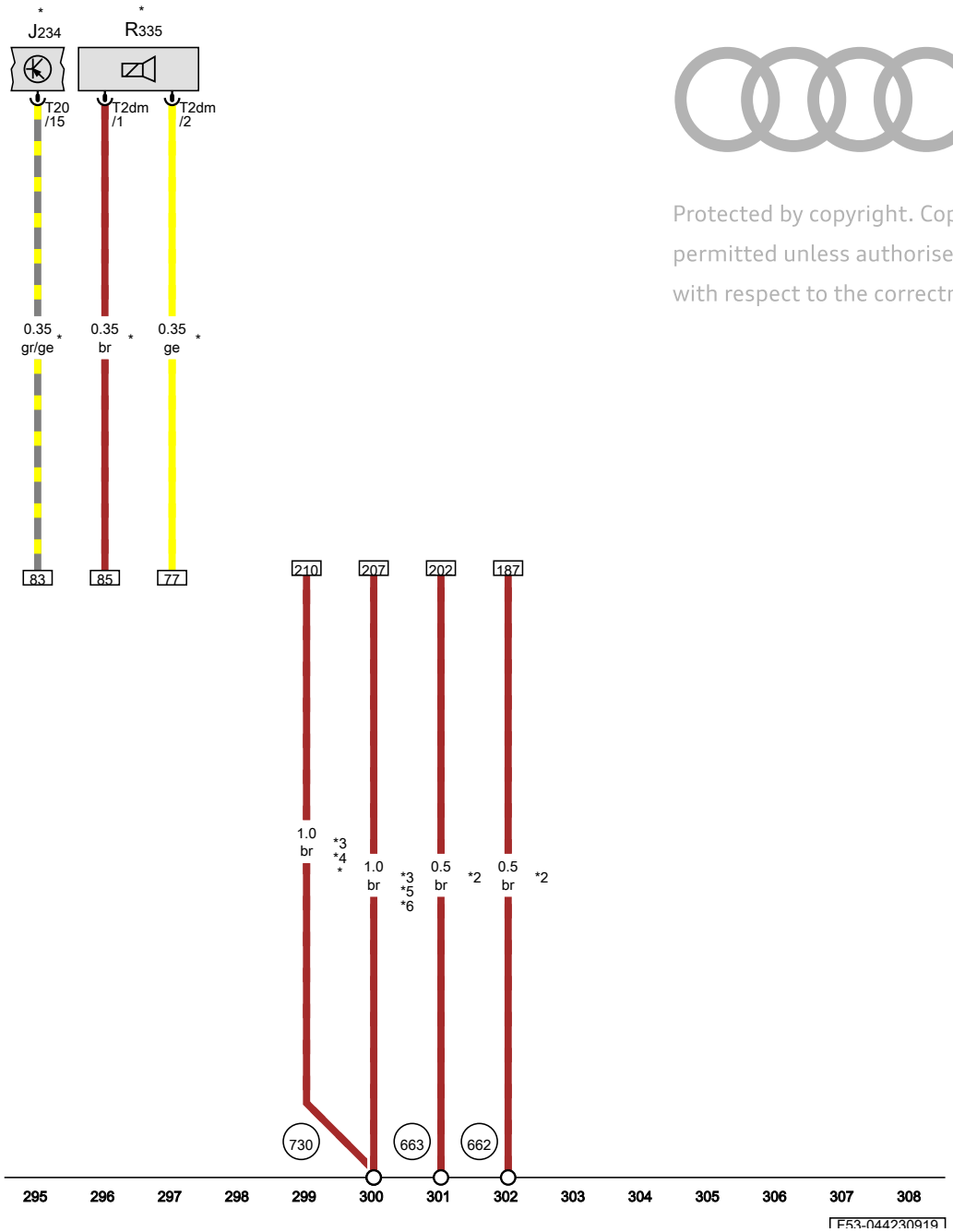
Control unit for seat belt microphone, Microphone 1 on front passenger side, Microphone 2 on front passenger side, Microphone 3 on front passenger side

G552	Front passenger side belt force limiter
J886	Control unit for seat belt microphone
R227	Microphone 1 on front passenger side
R228	Microphone 2 on front passenger side
R229	Microphone 3 on front passenger side
T5db	5-pin connector, black
T32h	32-pin connector, black
*	For models with seat belt microphone
*2	For Cabriolet models
*3	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Airbag control unit, Loudspeaker for emergency call module

J234	Airbag control unit
R335	Loudspeaker for emergency call module
T2dm	2-pin connector, black
T20	20-pin connector, yellow
662	Earth point, rear left side panel
663	Earth point, rear right side panel
730	Earth point 1, on right rear wheel housing
*	According to equipment
*2	For Cabriolet models
*3	For models with no TV receiver
*4	For models with equipment for Japan
*5	Coupé
*6	Sportback



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gn	=	green
bl	=	blue
gr	=	grey
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vi	=	purple
ge	=	yellow
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Bang & Olufsen sound system , (9VS)

From July 2016

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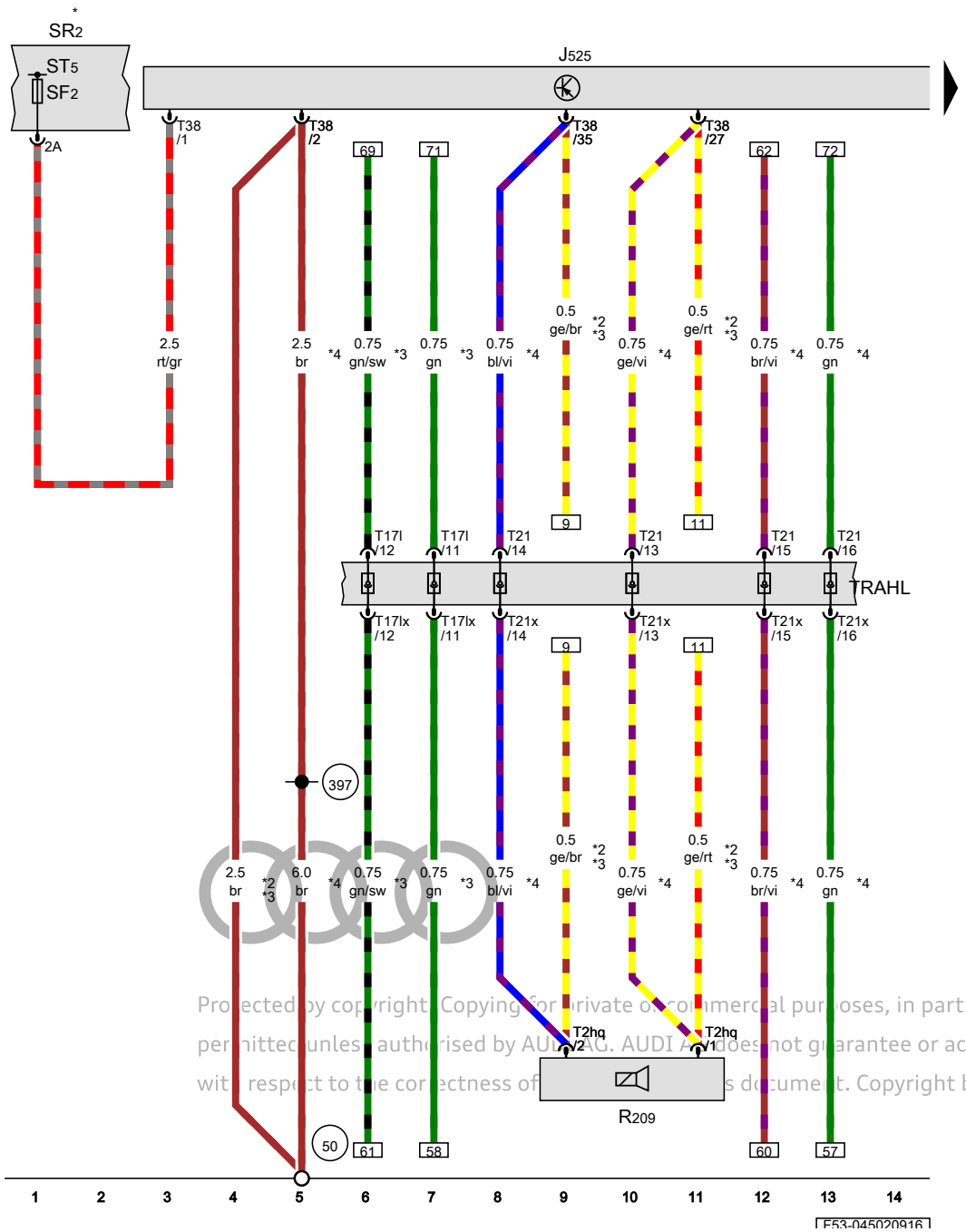

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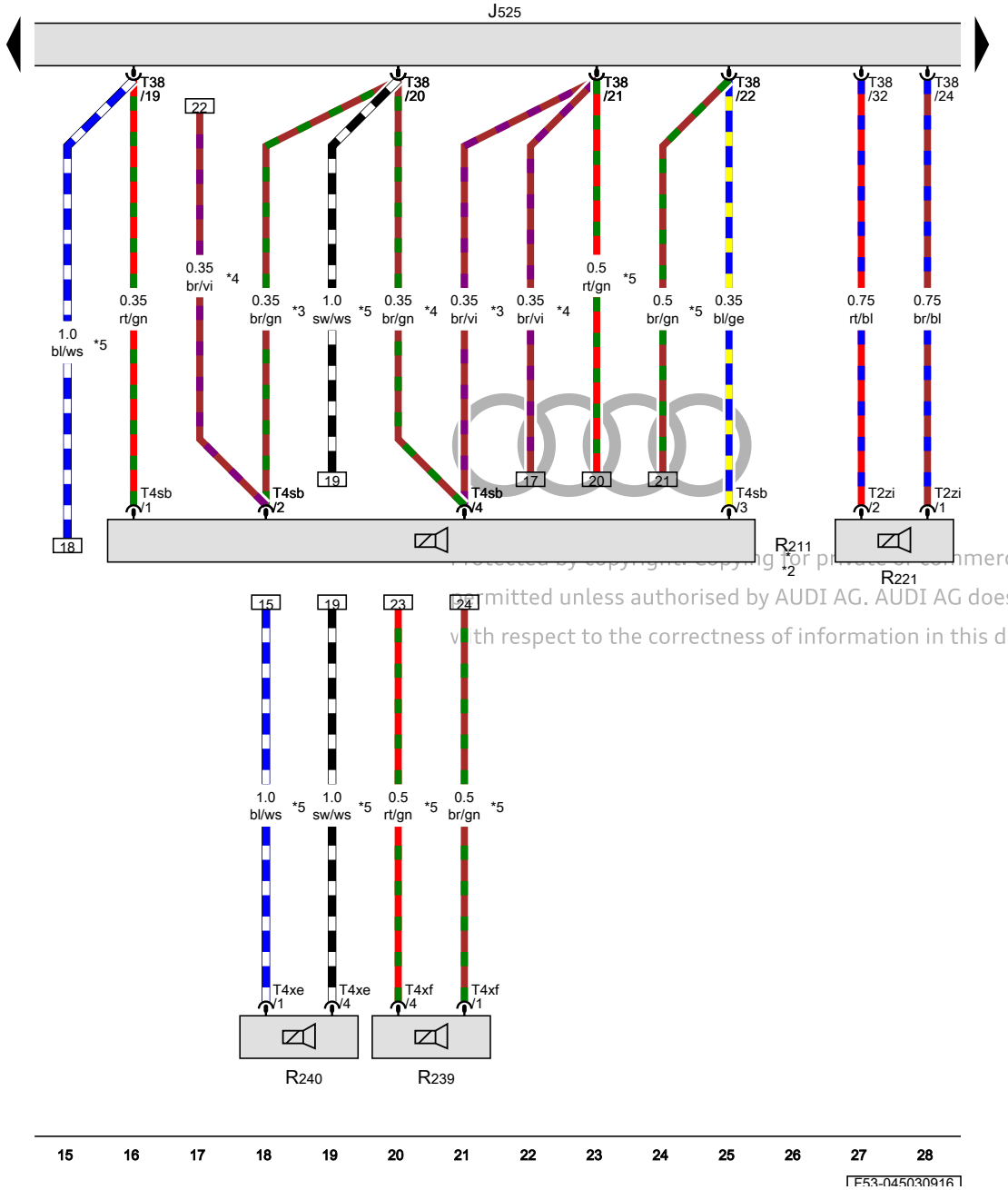
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Digital sound package control unit, Left effect loudspeaker

J525	Digital sound package control unit
R209	Left effect loudspeaker
SF2	Fuse 2 in fuse holder F
SR2	Relay and fuse carrier 2
ST5	Fuse carrier 5, red
T2hq	2-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
T38	38-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
50	Earth point, on left in luggage compartment
397	Earth connection 32, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Sportback
*3	Coupé
*4	Only Cabriolet models

Digital sound package control unit, Subwoofer, Front right treble loudspeaker 2, Rear left subwoofer, Rear right subwoofer



J525	Digital sound package control unit
R211	Subwoofer
R221	Front right treble loudspeaker 2
R239	Rear left subwoofer
R240	Rear right subwoofer
T2zi	2-pin connector, black
T4sb	4-pin connector, black
T4xe	4-pin connector, black
T4xf	4-pin connector, black
T38	38-pin connector, black
*	Sportback
*2	Coupé
*3	Gradually discontinued
*4	gradual introduction
*5	Only Cabriolet models

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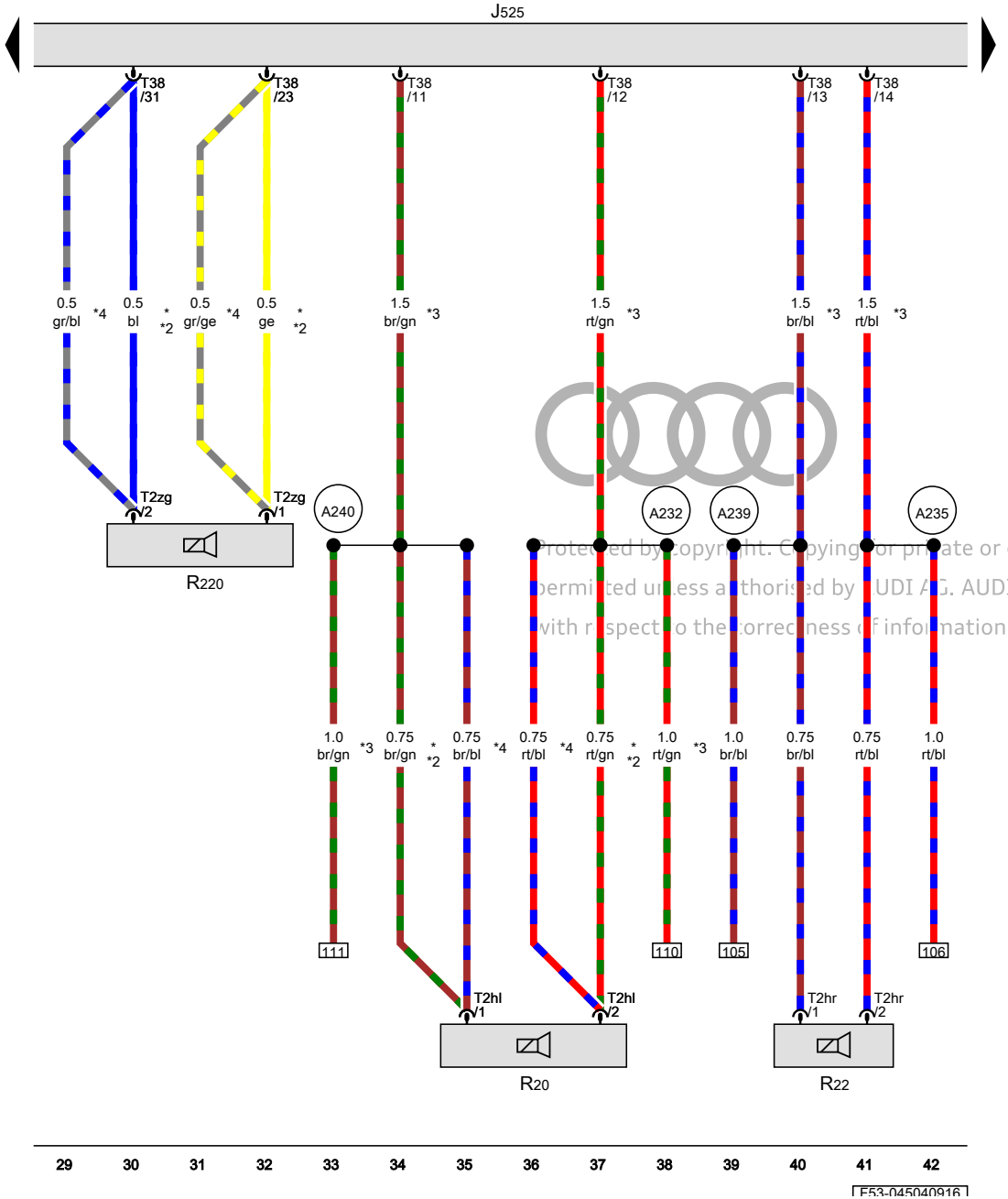

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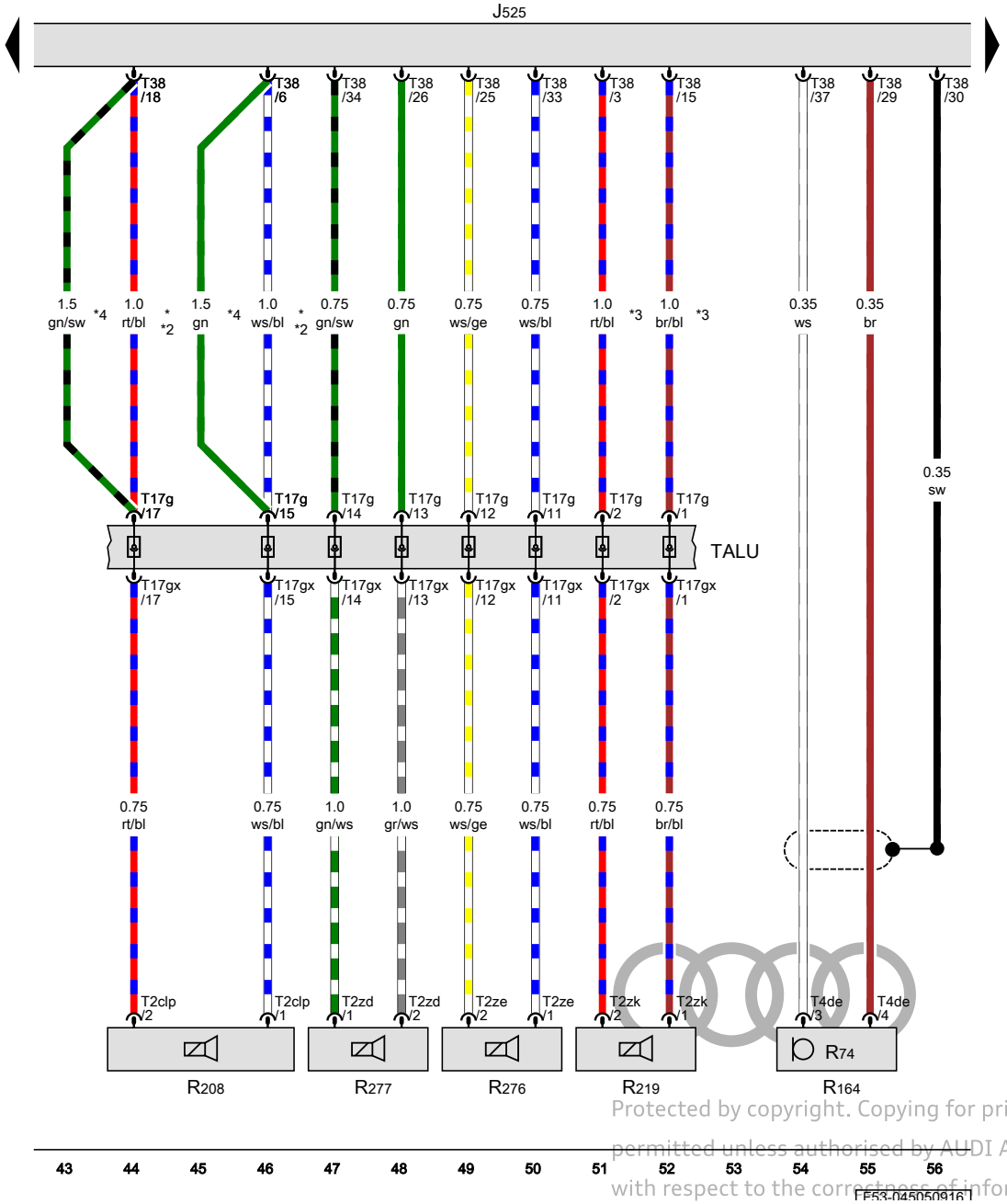
Digital sound package control unit, Front left treble loudspeaker, Front right treble loudspeaker, Front left treble loudspeaker 2

J525	Digital sound package control unit
R20	Front left treble loudspeaker
R22	Front right treble loudspeaker
R220	Front left treble loudspeaker 2
T2hl	2-pin connector, black
T2hr	2-pin connector, black
T2zg	2-pin connector, black
T38	38-pin connector, black
A232	Connection 1 (positive, left loudspeaker), in dash panel wiring harness
A235	Connection 2 (positive, right loudspeaker), in dash panel wiring harness
A239	Connection 2 (negative, right loudspeaker), in dash panel wiring harness
A240	Connection 1 (negative, left loudspeaker), in dash panel wiring harness
*	Sportback
*2	Coupé
*3	Cross section depends on equipment
*4	Only Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Digital sound package control unit, Microphone unit in front roof module, Centre loudspeaker, Centre loudspeaker 2, Front left mid-range loudspeaker 2, Front right mid-range loudspeaker 2

J525	Digital sound package control unit
R74	Internal microphone
R164	Microphone unit in front roof module
R208	Centre loudspeaker
R219	Centre loudspeaker 2
R276	Front left mid-range loudspeaker 2
R277	Front right mid-range loudspeaker 2
T2clp	2-pin connector, black
T2zd	2-pin connector, black
T2ze	2-pin connector, black
T2zk	2-pin connector, black
T4de	4-pin connector, black
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T38	38-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	Sportback
*2	Coupé
*3	Cross section depends on equipment
*4	Only Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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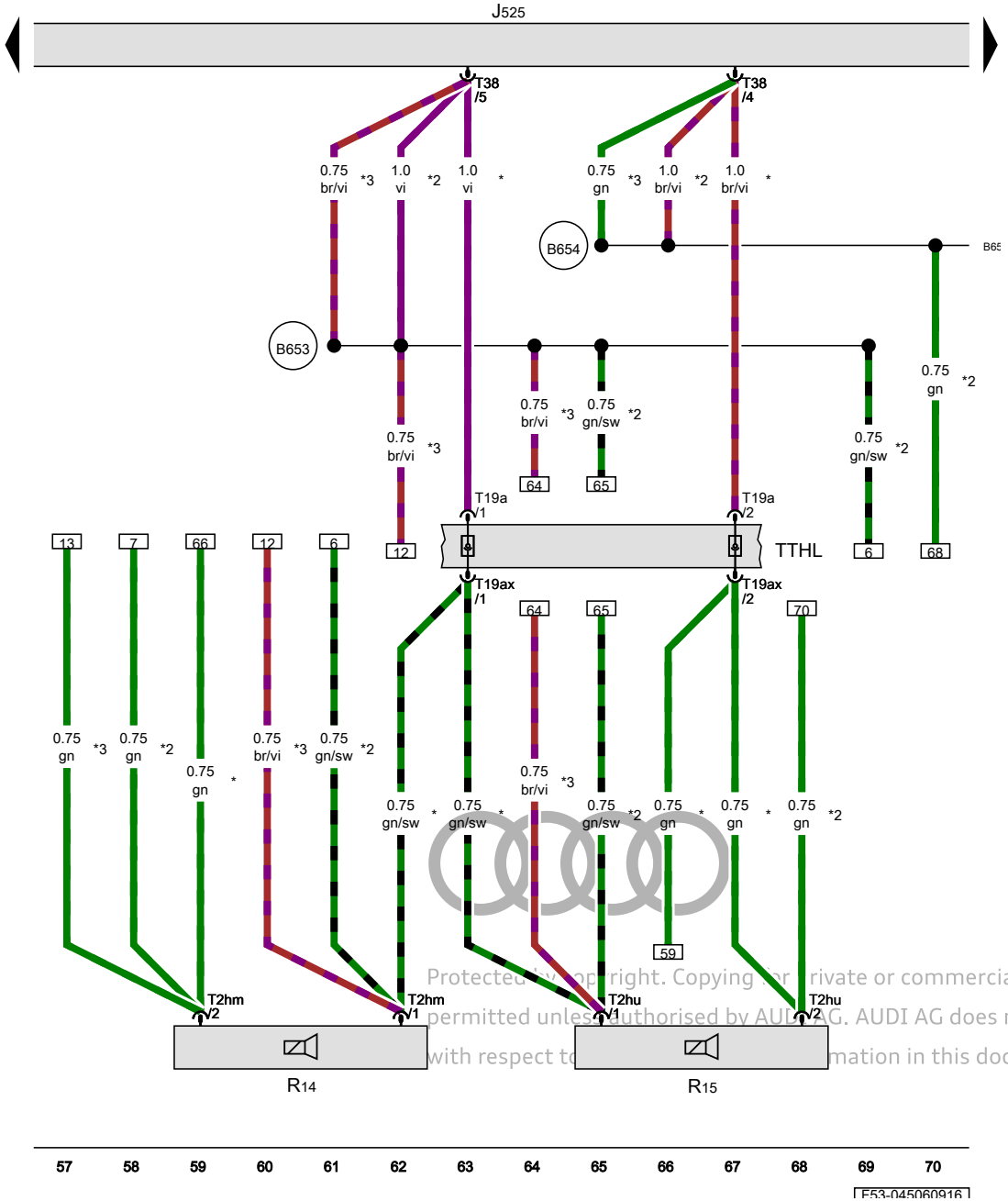

Digital sound package control unit, Rear left treble loudspeaker, Rear left bass loudspeaker

J525	Digital sound package control unit
R14	Rear left treble loudspeaker
R15	Rear left bass loudspeaker
T2hm	2-pin connector, black
T2hu	2-pin connector, black
T19a	19-pin connector, black
T19ax	19-pin connector, black
T38	38-pin connector, black
TTHL	Coupling point for rear left door
B653	Connection 3 (loudspeaker), in main wiring harness
B654	Connection 4 (loudspeaker), in main wiring harness
*	Sportback
*2	Coupé
*3	Only Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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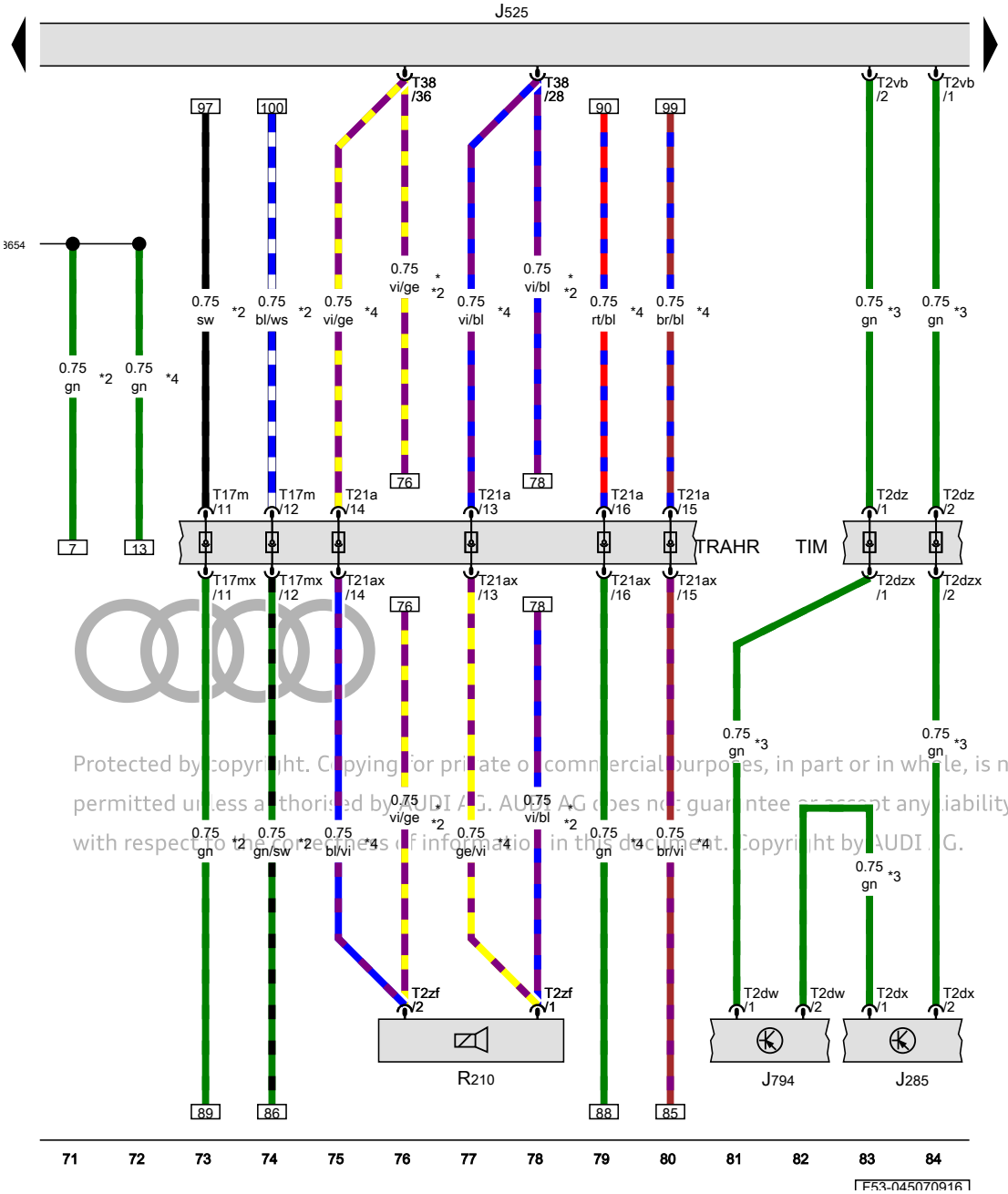

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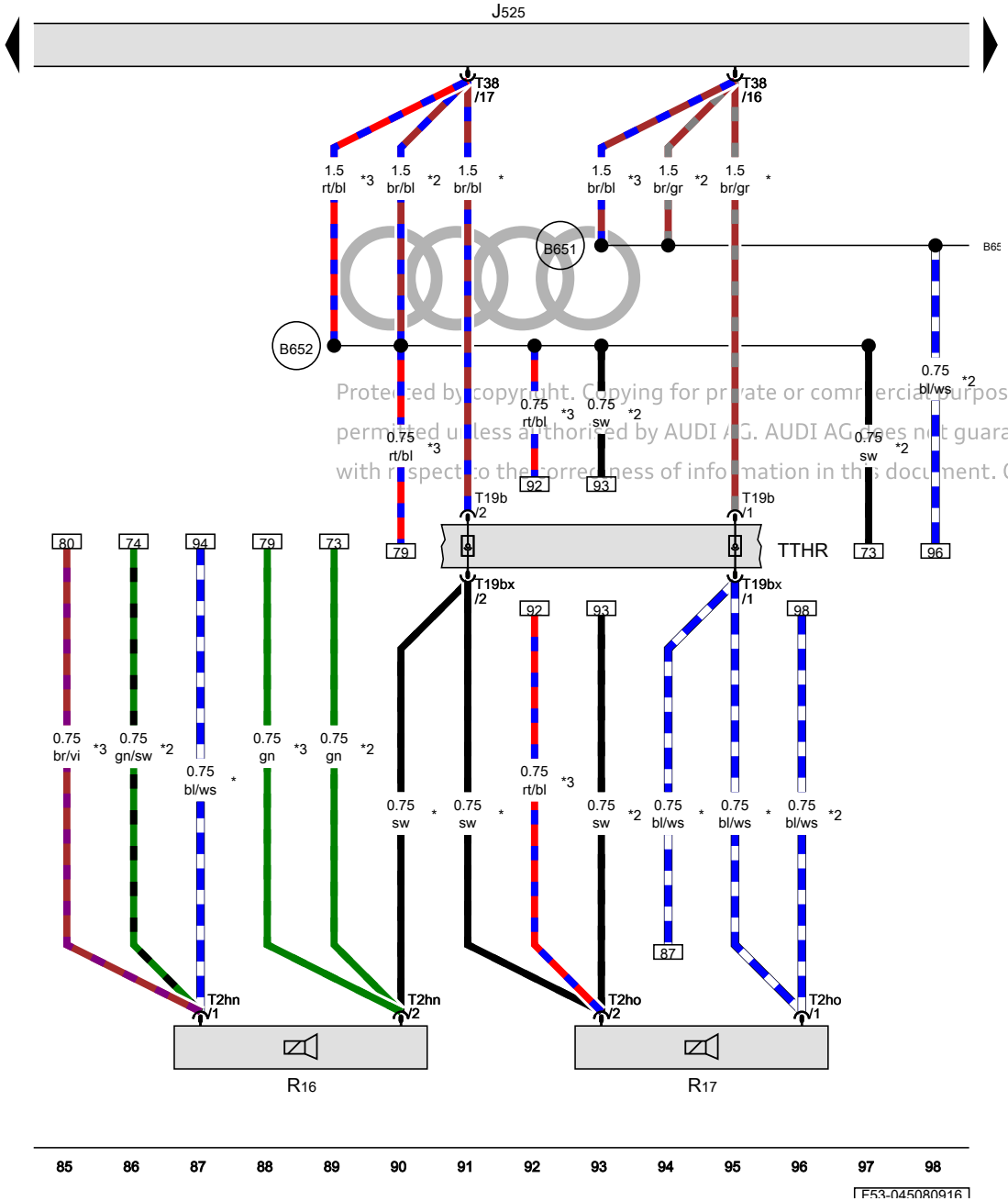
or = orange
rs = pink

Control unit in dash panel insert, Digital sound package control unit, Control unit 1 for information electronics, Right effect loudspeaker

J285	Control unit in dash panel insert
J525	Digital sound package control unit
J794	Control unit 1 for information electronics
R210	Right effect loudspeaker
T2dw	2-pin connector, black
T2dx	2-pin connector, black
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T2vb	2-pin connector, black
T2zf	2-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
T38	38-pin connector, black
TIM	Coupling point in interior, centre
TRAHR	Coupling point in rear right wheel housing wiring
B654	Connection 4 (loudspeaker), in main wiring harness
*	Sportback
*2	Coupé
*3	Fibre optic cable (FOC)
*4	Only Cabriolet models

Digital sound package control unit, Rear right treble loudspeaker, Rear right bass loudspeaker

J525	Digital sound package control unit
R16	Rear right treble loudspeaker
R17	Rear right bass loudspeaker
T2hn	2-pin connector, black
T2ho	2-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T38	38-pin connector, black
TTHR	Coupling point for rear right door
B651	Connection 1 (loudspeaker), in main wiring harness
B652	Connection 2 (loudspeaker), in main wiring harness
*	Sportback
*2	Coupé
*3	Only Cabriolet models



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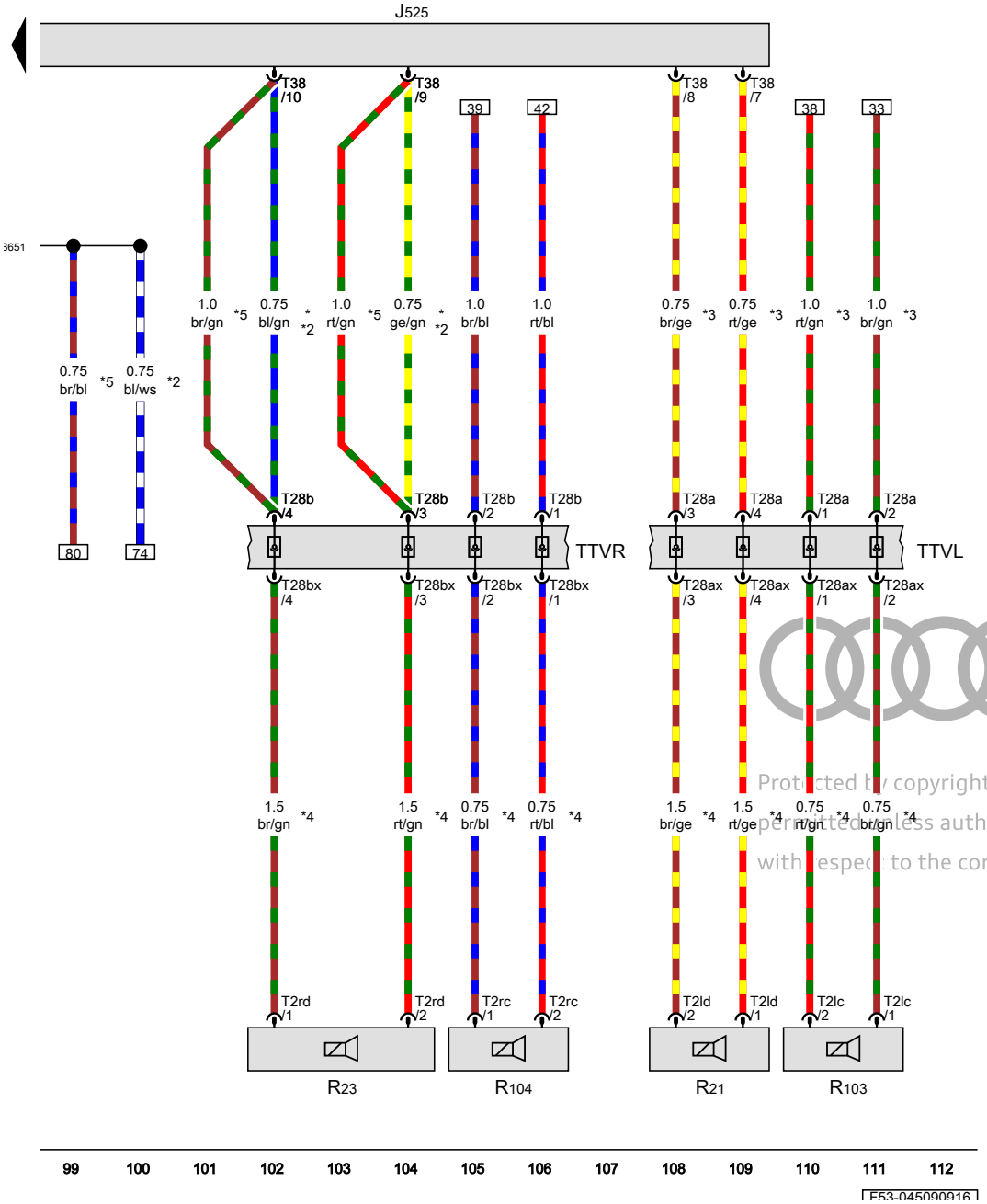

Digital sound package control unit, Front left bass loudspeaker, Front right bass loudspeaker, Front left mid-range loudspeaker, Front right mid-range loudspeaker

J525	Digital sound package control unit
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R103	Front left mid-range loudspeaker
R104	Front right mid-range loudspeaker
T2lc	2-pin connector, black
T2ld	2-pin connector, black
T2rc	2-pin connector, black
T2rd	2-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
T38	38-pin connector, black
TTVL	Coupling point for front left door
TTVR	Coupling point for front right door
B651	Connection 1 (loudspeaker), in main wiring harness
*	Sportback
*2	Coupé
*3	Cross section depends on equipment
*4	Different wire colour possible
*5	Only Cabriolet models

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TV tuner , (QV1)

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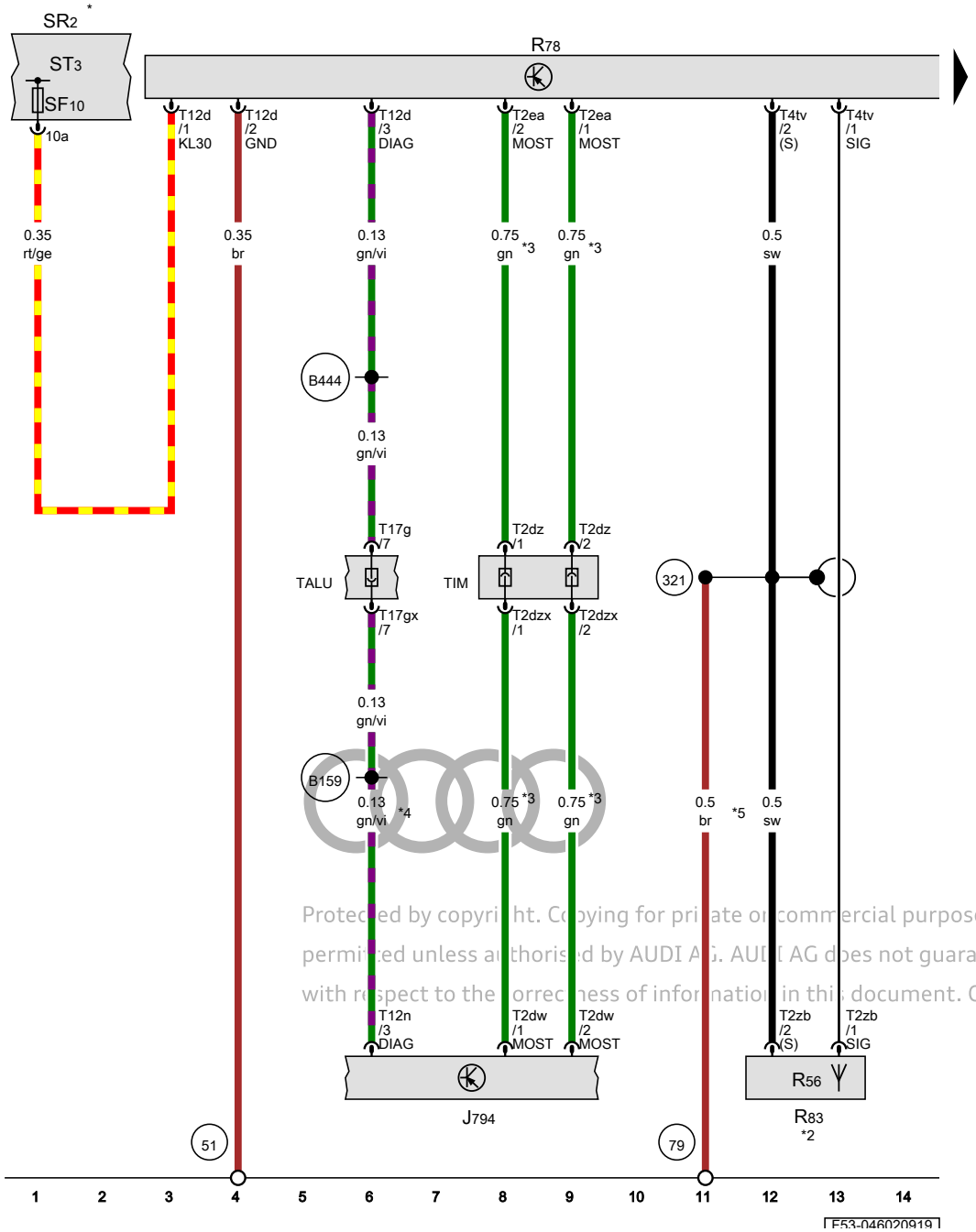

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TV aerial 2, TV tuner, Aerial amplifier 2 for TV

J794	Control unit 1 for information electronics
R56	TV aerial 2
R78	TV tuner
R83	Aerial amplifier 2 for TV, in rear left side panel, Rear window, bottom right
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF10	Fuse 10 in fuse holder F
T2dw	2-pin connector, black
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T2ea	2-pin connector, black
T2zb	2-pin connector, green, brown
T4tv	4-pin connector, green
T12d	12-pin connector, black
T12n	12-pin connector, black
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
51	Earth point, on right in luggage compartment
79	Earth point on left B-pillar
321	Earth connection (screening 2, TV), in communication wiring harness
B159	Connection (diagnosis), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Different connector colour possible
*3	Fibre optic cable (FOC)
*4	see applicable current flow diagram for infotainment MOST bus
*5	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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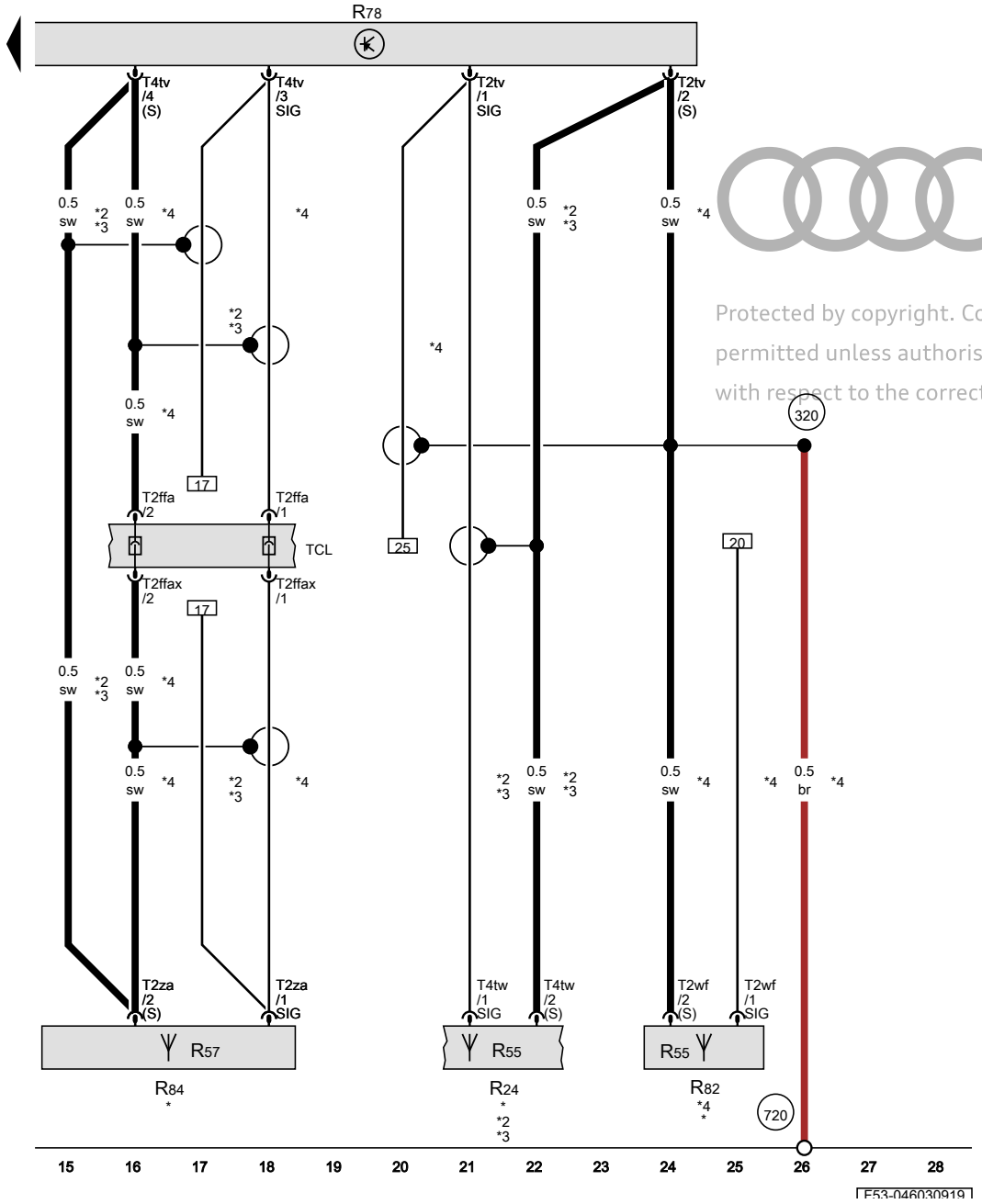

Aerial amplifier, TV aerial 1, TV tuner, Aerial amplifier 1 for TV, Aerial amplifier 3 for TV

R24	Aerial amplifier, Rear window, top right
R55	TV aerial 1
R57	TV aerial 3
R78	TV tuner
R82	Aerial amplifier 1 for TV, in rear right side panel
R84	Aerial amplifier 3 for TV, on convertible roof box, Rear window, bottom left
T2ffa	2-pin connector, black
T2ffax	2-pin connector, black
T2tv	2-pin connector, brown
T2wf	2-pin connector, brown, green
T2za	2-pin connector, green, brown
T4tv	4-pin connector, green
T4tw	4-pin connector, pink, white
TCL	Coupling point on left C-pillar
320	Earth connection (screening 1, TV), in communication wiring harness
720	Earth point on right B-pillar
*	Different connector colour possible
*2	Coupé
*3	Sportback
*4	For Cabriolet models

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Seat heating , (4A3),(4A4)

From July 2016

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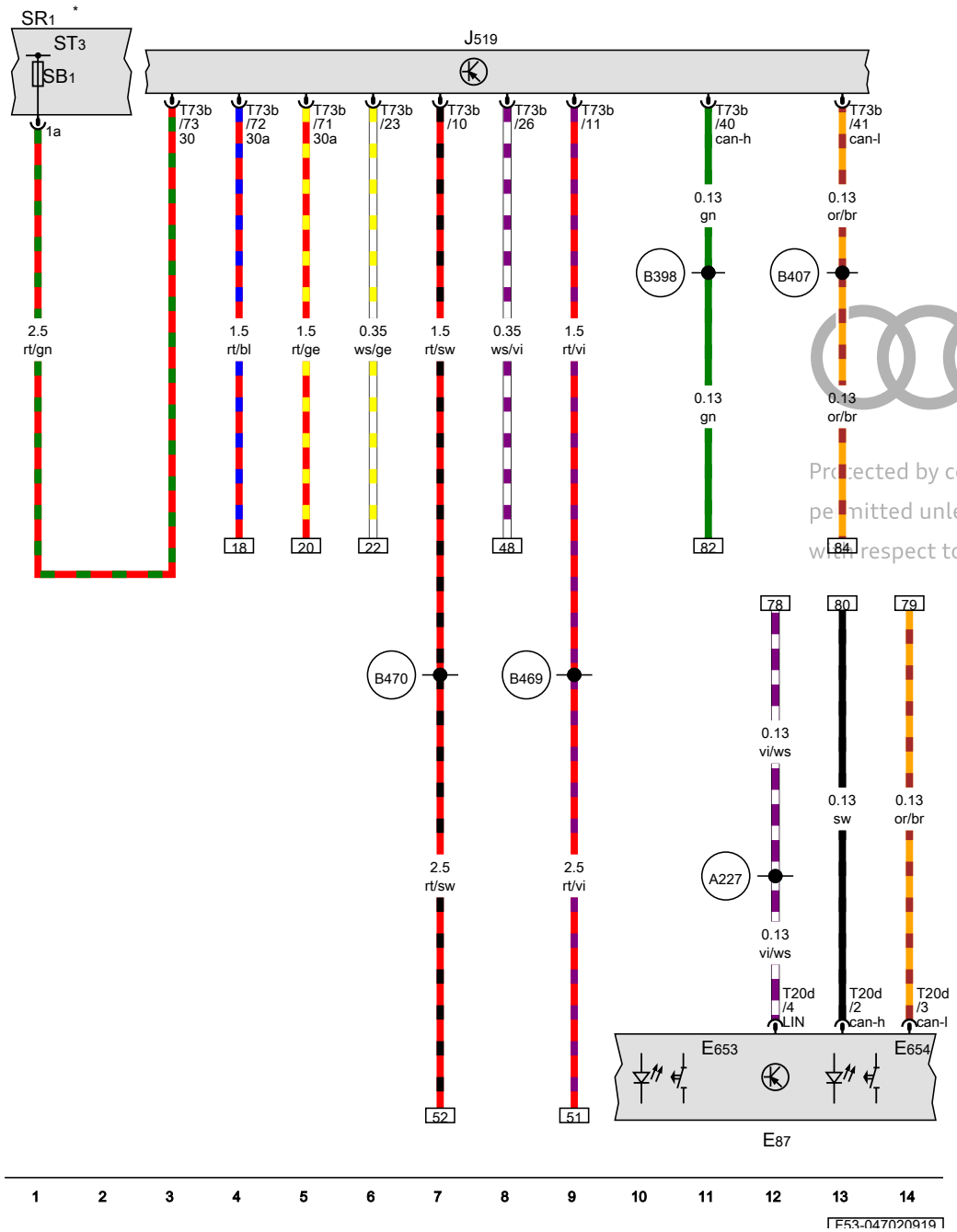

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or = orange
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Operating and display unit for front air conditioning system, Button for left seat heating, Onboard supply control unit, Relay and fuse carrier 1

E87	Operating and display unit for front air conditioning system
E653	Button for left seat heating
E654	Button for right seat heating
J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
SB1	Fuse 1 on fuse holder B
ST3	Fuse carrier 3, black
T20d	20-pin connector, black
T73b	73-pin connector, black
A227	Connection 2 (LIN bus) in dash panel wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B469	Connection 5, in main wiring harness
B470	Connection 6, in main wiring harness
*	see applicable current flow diagram for fuse assignment

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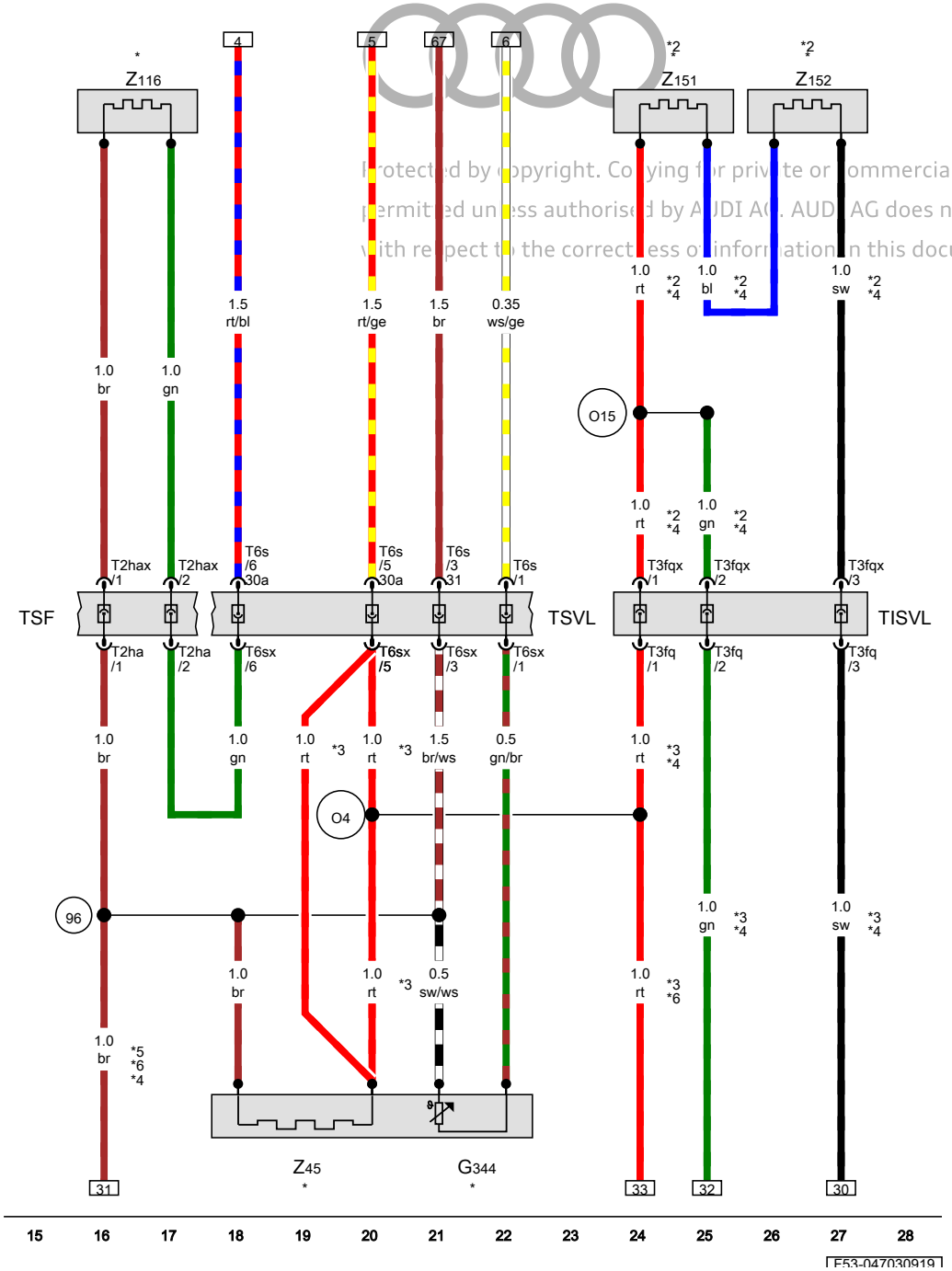

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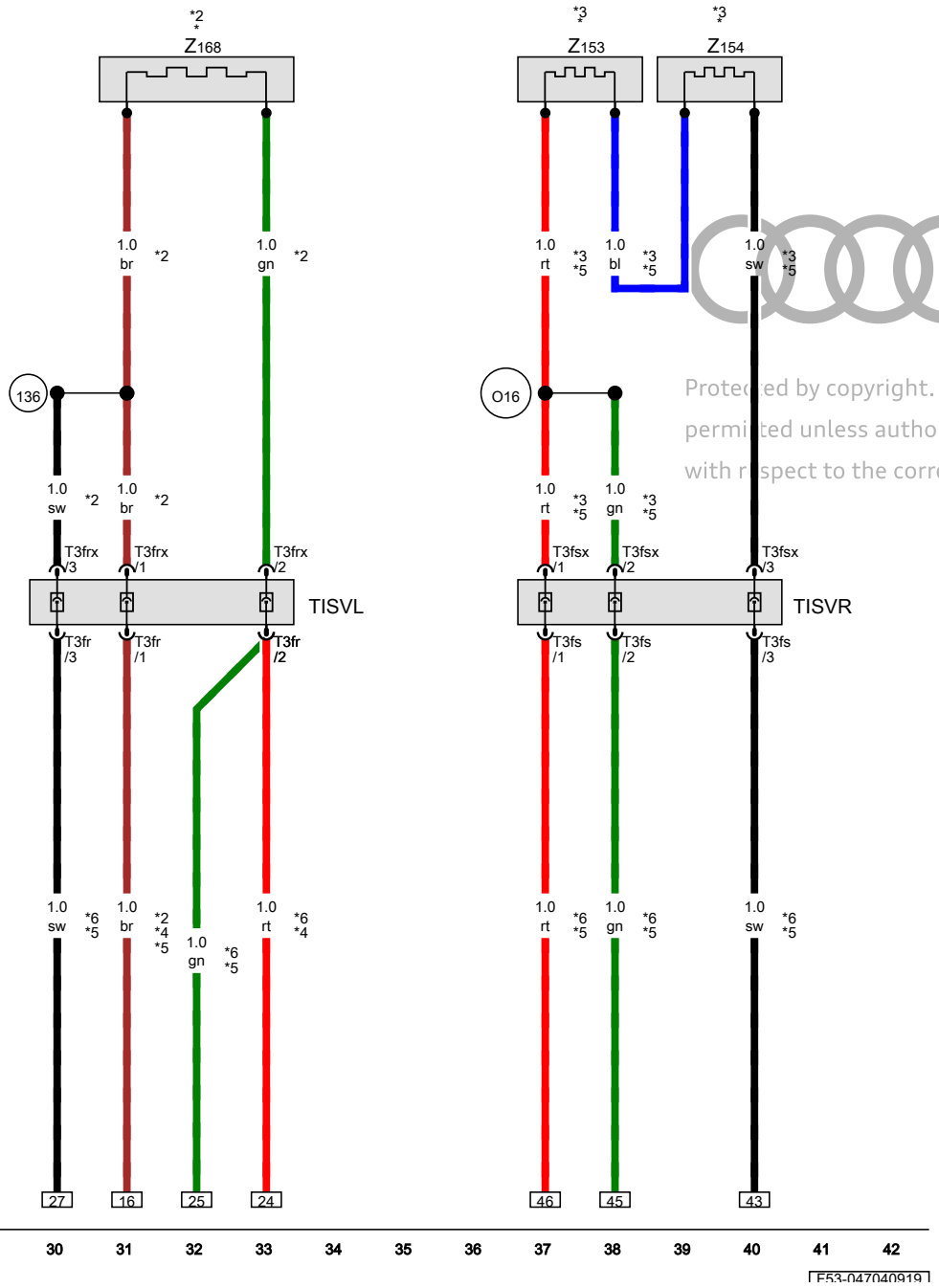
Front left seat temperature sender, Heated seat cushion for front left seat, Heated backrest for front left seat, Left bolster heater for front left seat, Right bolster heater for front left seat

G344	Front left seat temperature sender
T2ha	2-pin connector, black
T2hax	2-pin connector, black
T3fq	3-pin connector
T3fqx	3-pin connector
T6s	6-pin connector, green
T6sx	6-pin connector, green
TISVL	Coupling point in front left seat
TSF	Coupling point for driver seat backrest
TSVL	Coupling point for front left seat
Z45	Heated seat cushion for front left seat
Z116	Heated backrest for front left seat
Z151	Left bolster heater for front left seat
Z152	Right bolster heater for front left seat
96	Earth connection 1, in seat heating wiring harness
O4	Positive connection (30as), in seat heating wiring harness
O15	Connection 4, in seat heating wiring harness
*	Pre-wired component
*2	For models with seat bolster heating
*3	According to equipment
*4	Version 2
*5	For models with seat depth adjustment
*6	Version 1



Left bolster heater for front right seat, Right bolster heater for front right seat, Heater element for front left seat extension

T3fr	3-pin connector
T3frx	3-pin connector
T3fs	3-pin connector
T3fsx	3-pin connector
TISVL	Coupling point in front left seat
TISVR	Coupling point in front right seat
Z153	Left bolster heater for front right seat
Z154	Right bolster heater for front right seat
Z168	Heater element for front left seat extension
136	Earth connection 2, in seat heating wiring harness
O16	Connection 5, in seat heating wiring harness
*	Pre-wired component
*2	For models with seat depth adjustment
*3	For models with seat bolster heating
*4	Version 1
*5	Version 2
*6	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
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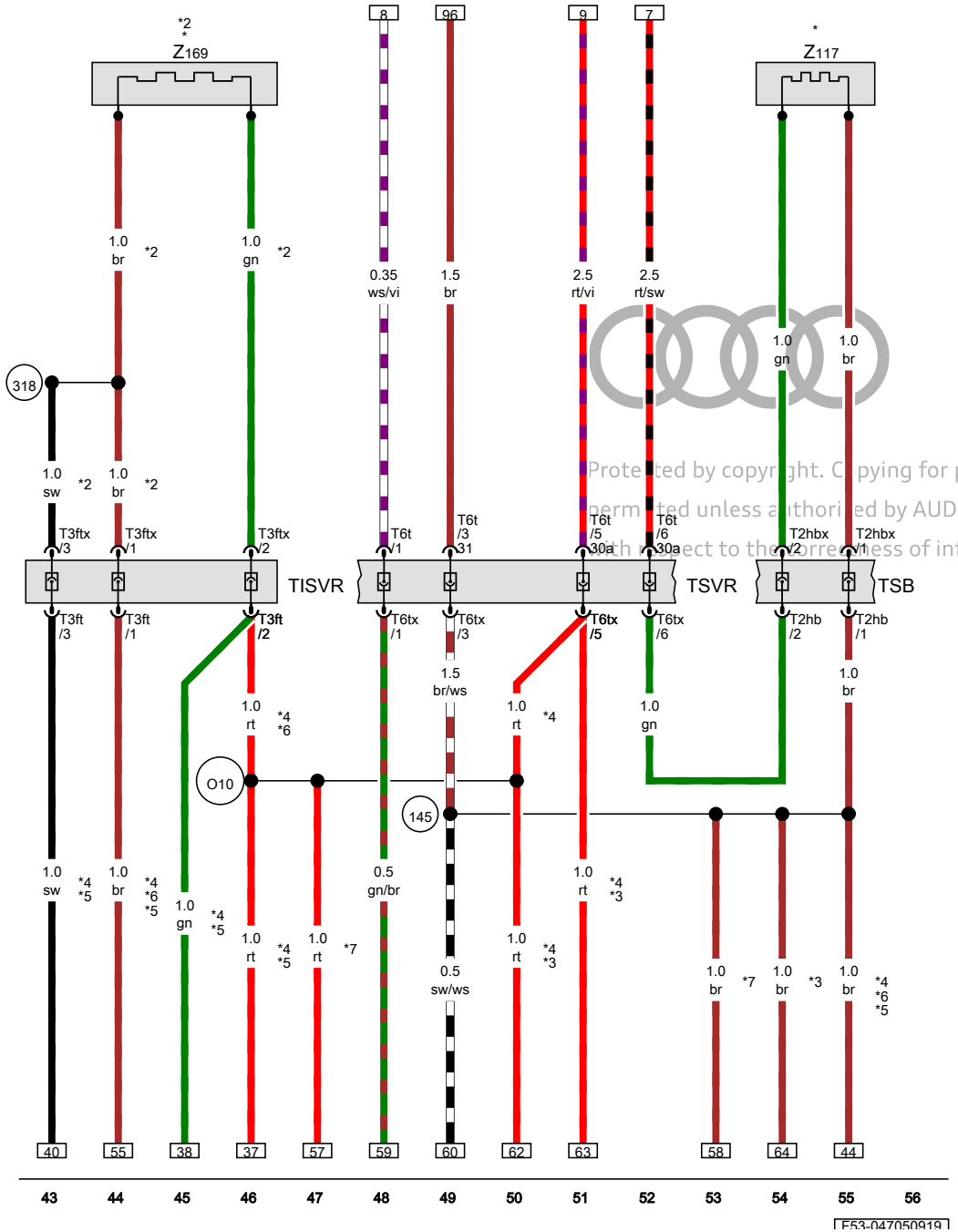

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Heated backrest for front right seat, Heater element for front right seat extension

T2hb	2-pin connector, black
T2hbx	2-pin connector, black
T3ft	3-pin connector
T3ftx	3-pin connector
T6t	6-pin connector, green
T6tx	6-pin connector, green
TISVR	Coupling point in front right seat
TSB	Coupling point for front passenger seat backrest
TSVR	Coupling point for front right seat
Z117	Heated backrest for front right seat
Z169	Heater element for front right seat extension
145	Earth connection 3, in seat heating wiring harness
318	Earth connection 4, in seat heating wiring harness
O10	Positive connection 2 (30as), in seat heating wiring harness
*	Pre-wired component
*2	For models with seat depth adjustment
*3	Not for American markets
*4	According to equipment
*5	Version 2
*6	Version 1
*7	For American markets

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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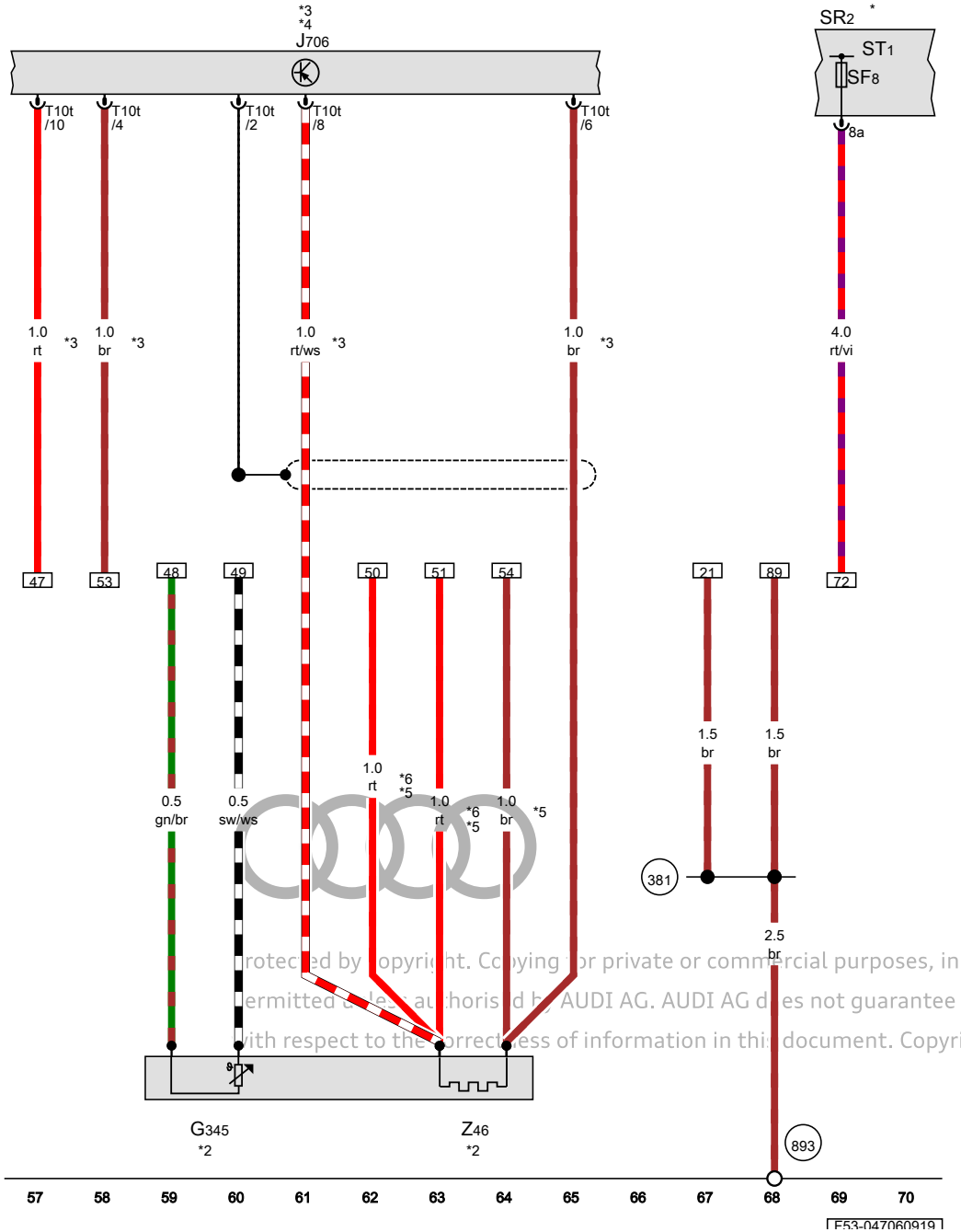

Front right seat temperature sender, Relay and fuse carrier 2, Heated seat cushion for front right seat

G345	Front right seat temperature sender
J706	Seat occupied recognition control unit, under front passenger seat
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
SF8	Fuse 8 in fuse holder F
T10t	10-pin connector, black
Z46	Heated seat cushion for front right seat
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
*	see applicable current flow diagram for fuse assignment
*2	Pre-wired component
*3	For American markets
*4	see applicable current flow diagram for airbag
*5	Not for American markets
*6	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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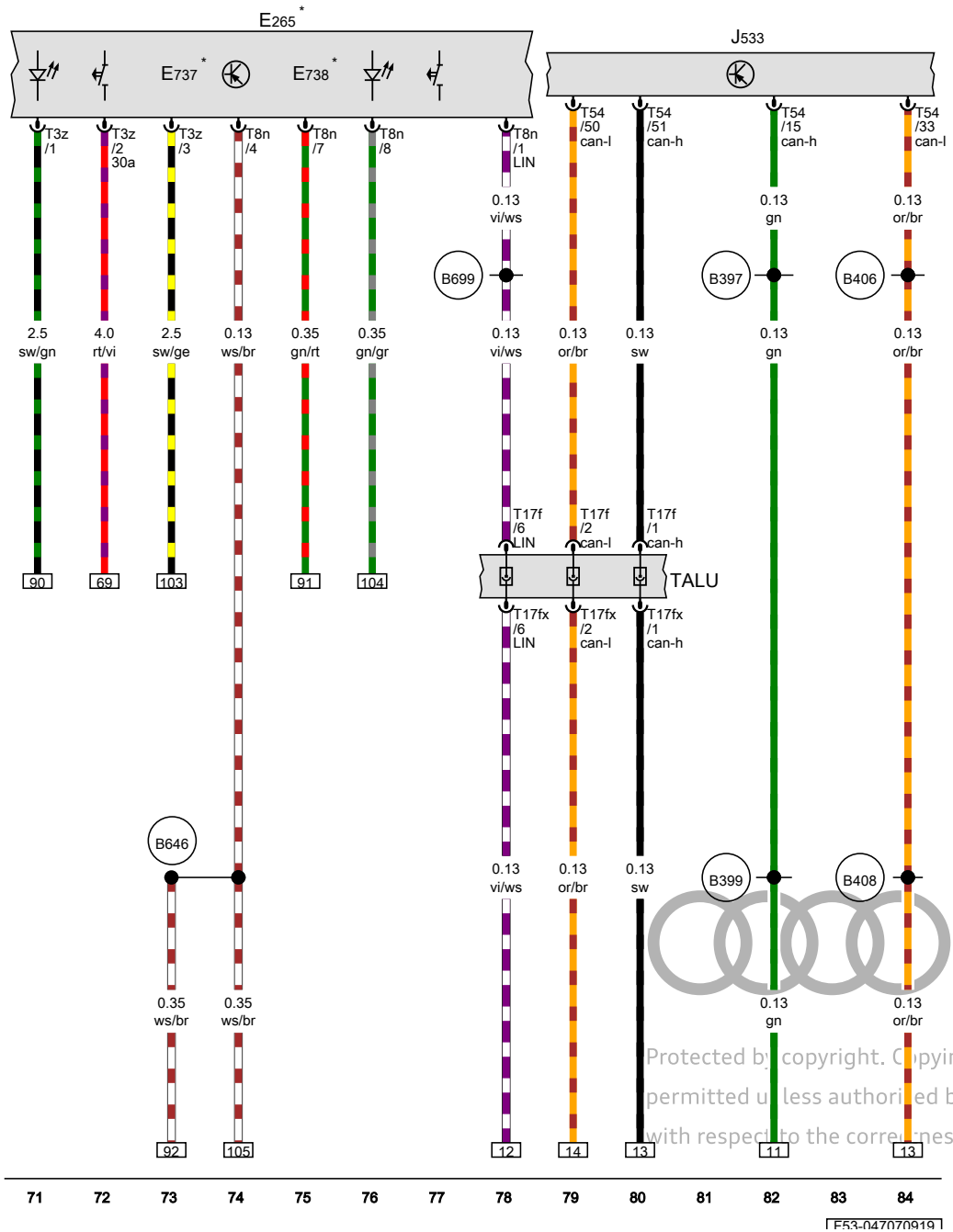

Operating and display unit for rear air conditioning system, Button for rear left seat heating, Button for rear right seat heating, Data bus diagnostic interface

E265	Operating and display unit for rear air conditioning system
E737	Button for rear left seat heating
E738	Button for rear right seat heating
J533	Data bus diagnostic interface
T3z	3-pin connector, black
T8n	8-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
B646	Connection 3 (seat heating), in main wiring harness
B699	Connection 4 (LIN bus) in main wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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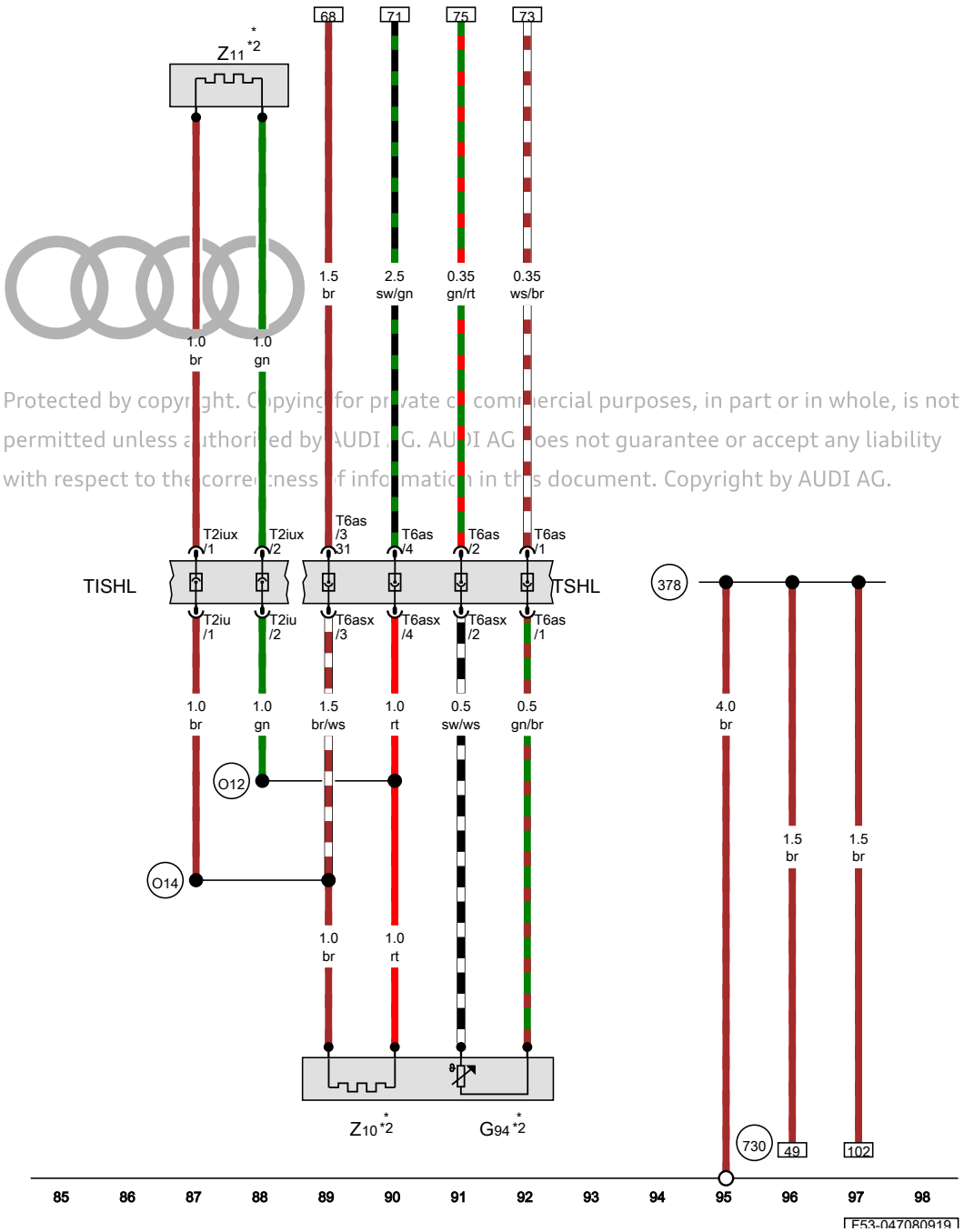

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Rear left seat temperature sensor, Heated bench seat cushion for rear left seat, Heated backrest for rear left seat

G94	Rear left seat temperature sensor
T2iu	2-pin connector, black
T2iux	2-pin connector, black
T6as	6-pin connector, green
T6asx	6-pin connector, green
TISHL	Coupling point in rear left seat
TSHL	Coupling point for rear left seat
Z10	Heated bench seat cushion for rear left seat
Z11	Heated backrest for rear left seat
378	Earth connection 13, in main wiring harness
730	Earth point 1, on right rear wheel housing
O12	Connection 1, in seat heating wiring harness
O14	Connection 3, in seat heating wiring harness
*	Pre-wired component
*2	According to equipment

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rt	=	red
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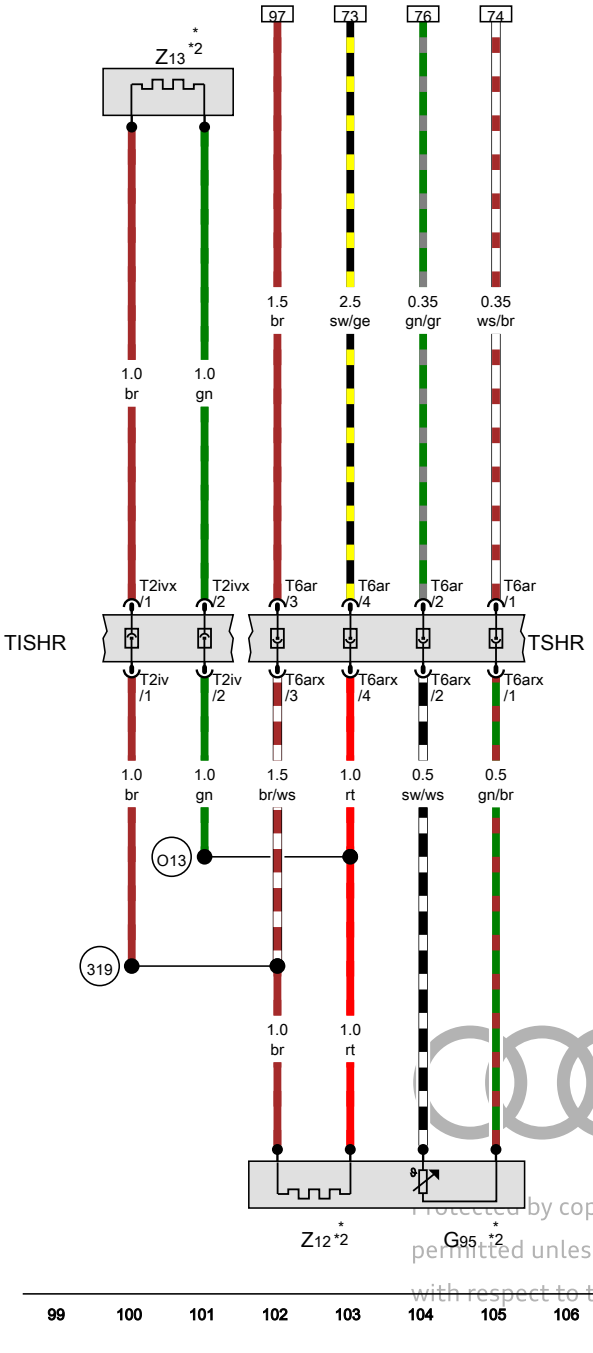

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Rear right seat temperature sensor, Heated bench seat cushion for rear right seat, Heated backrest for rear right seat

G95	Rear right seat temperature sensor
T2iv	2-pin connector, black
T2ivx	2-pin connector, black
T6ar	6-pin connector, green
T6arx	6-pin connector, green
TISHR	Coupling point in rear right seat
TSHR	Coupling point for rear right seat
Z12	Heated bench seat cushion for rear right seat
Z13	Heated backrest for rear right seat
319	Earth connection 5, in seat heating wiring harness
O13	Connection 2, in seat heating wiring harness
*	Pre-wired component
*2	According to equipment

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Seat ventilation , (4D3)

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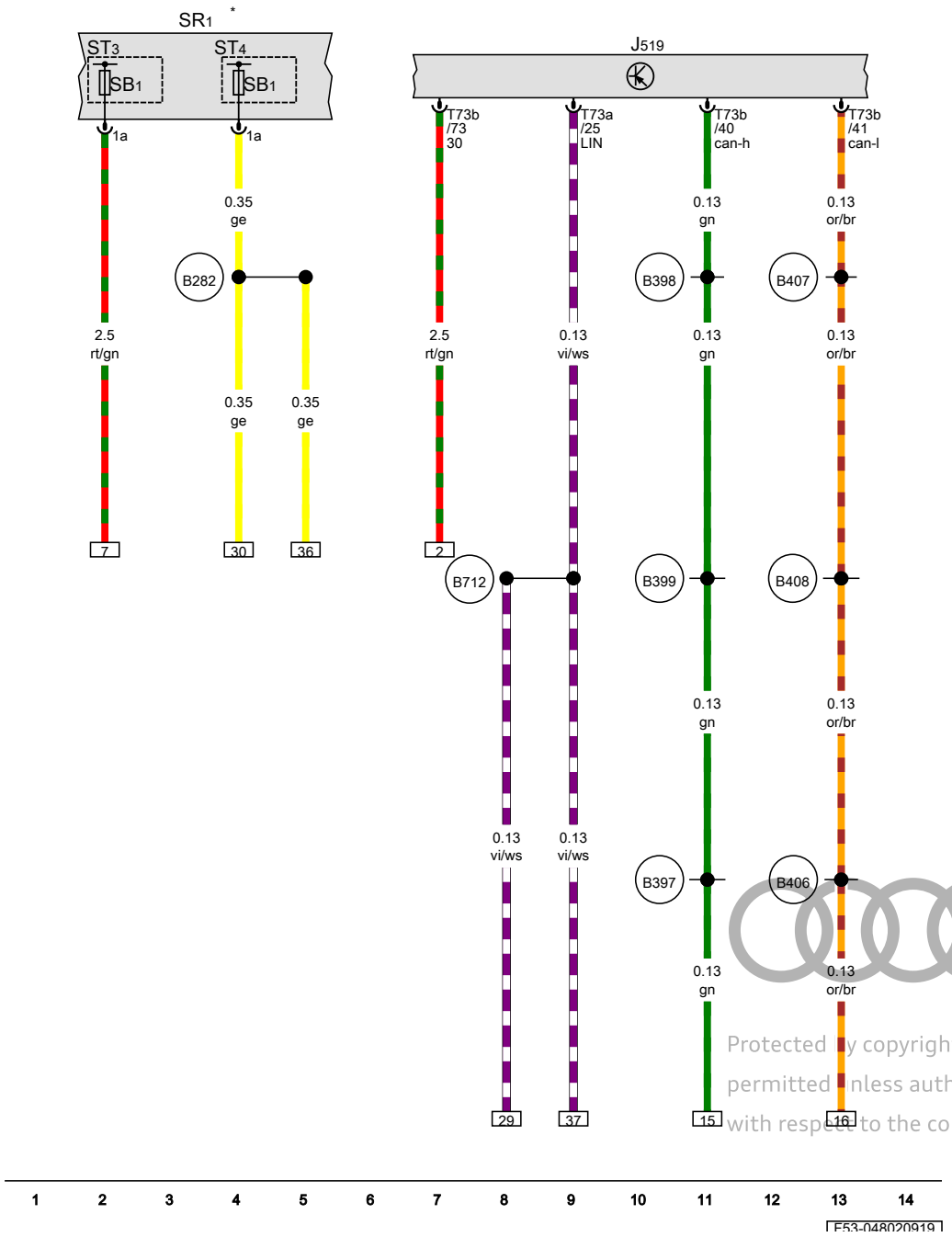

Onboard supply control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1
ST3	Fuse carrier 3, black
ST4	Fuse carrier 4, black
T73a	73-pin connector, black
T73b	73-pin connector, black
B282	Positive connection 6 (15a) in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
B712	Connection 7 (LIN bus) in main wiring harness
*	see applicable current flow diagram for fuse assignment

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sw	=	black
ro	=	red
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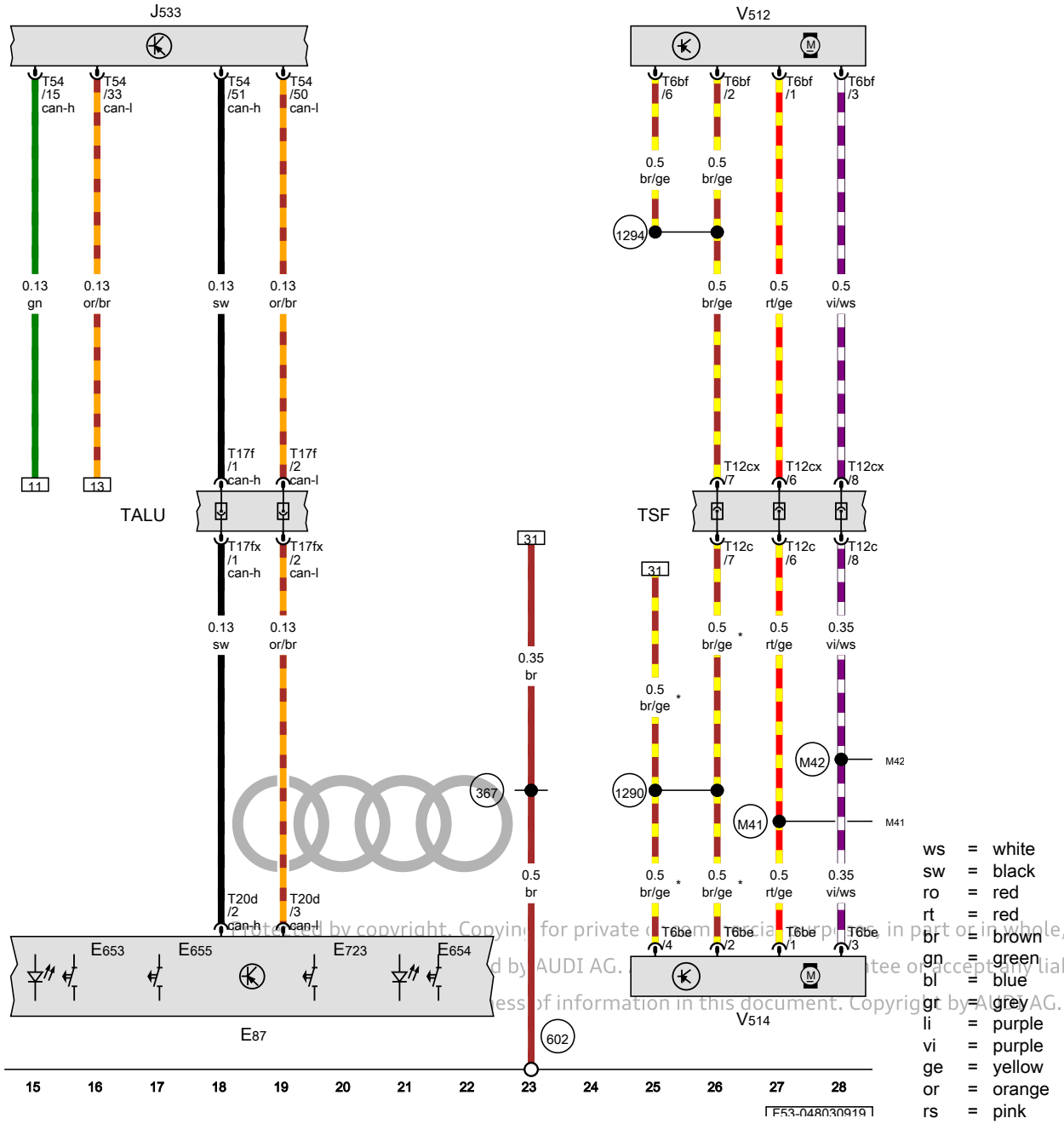

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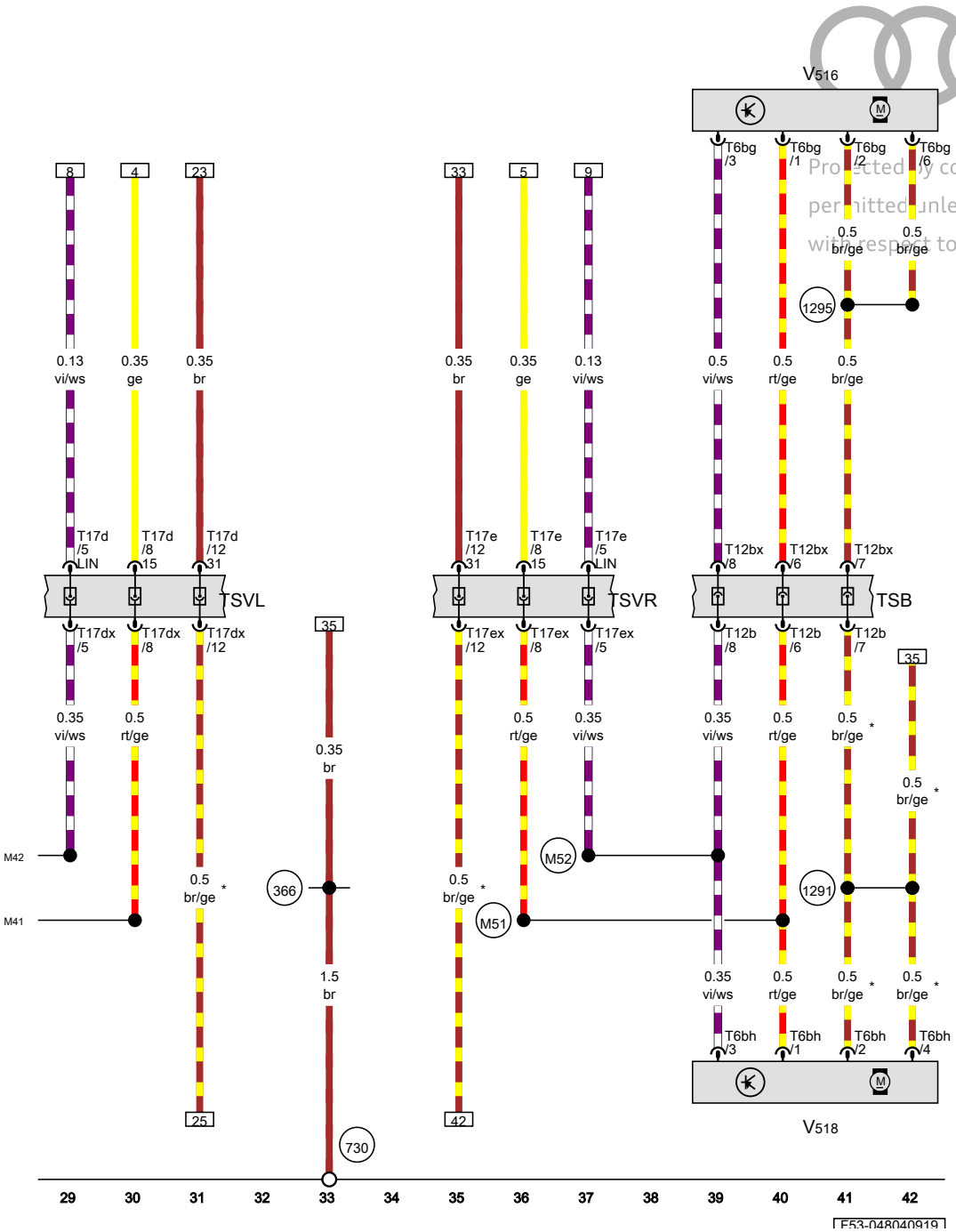
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Operating and display unit for front air conditioning system, Seat ventilation switch, Seat ventilation switch 2, Data bus diagnostic interface, Front left seat backrest fan 1, Front left seat cushion fan 1

E87	Operating and display unit for front air conditioning system
E653	Button for left seat heating
E654	Button for right seat heating
E655	Seat ventilation switch, Driver side
E723	Seat ventilation switch 2, Passenger side
J533	Data bus diagnostic interface
T6be	6-pin connector, black
T6bf	6-pin connector, black
T12c	12-pin connector, black
T12cx	12-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T20d	20-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TSF	Coupling point for driver seat backrest
V512	Front left seat backrest fan 1
V514	Front left seat cushion fan 1
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
1290	Earth connection 1, in front left seat wiring harness
1294	Earth connection 2, in front left seat wiring harness
M41	Connection 1, in driver seat wiring harness
M42	Connection 2, in driver seat wiring harness
*	Wiring colour depends on equipment



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Front right seat backrest fan 1, Front right seat cushion fan 1, Earth connection 1, in main wiring harness, Earth point 1, on right rear wheel housing

T6bg	6-pin connector, black
T6bh	6-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSB	Coupling point for front passenger seat backrest
TSVL	Coupling point for front left seat
TSVR	Coupling point for front right seat
V516	Front right seat backrest fan 1
V518	Front right seat cushion fan 1
366	Earth connection 1, in main wiring harness
730	Earth point 1, on right rear wheel housing
1291	Earth connection 1, in front right seat wiring harness
1295	Earth connection 2, in front right seat wiring harness
M41	Connection 1, in driver seat wiring harness
M42	Connection 2, in driver seat wiring harness
M51	Connection 1, in front passenger seat wiring harness
M52	Connection 2, in front passenger seat wiring harness
*	Wiring colour depends on equipment

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Adjustable driver and front passenger seats , (3L5),(7P1),(7P7)

From July 2016

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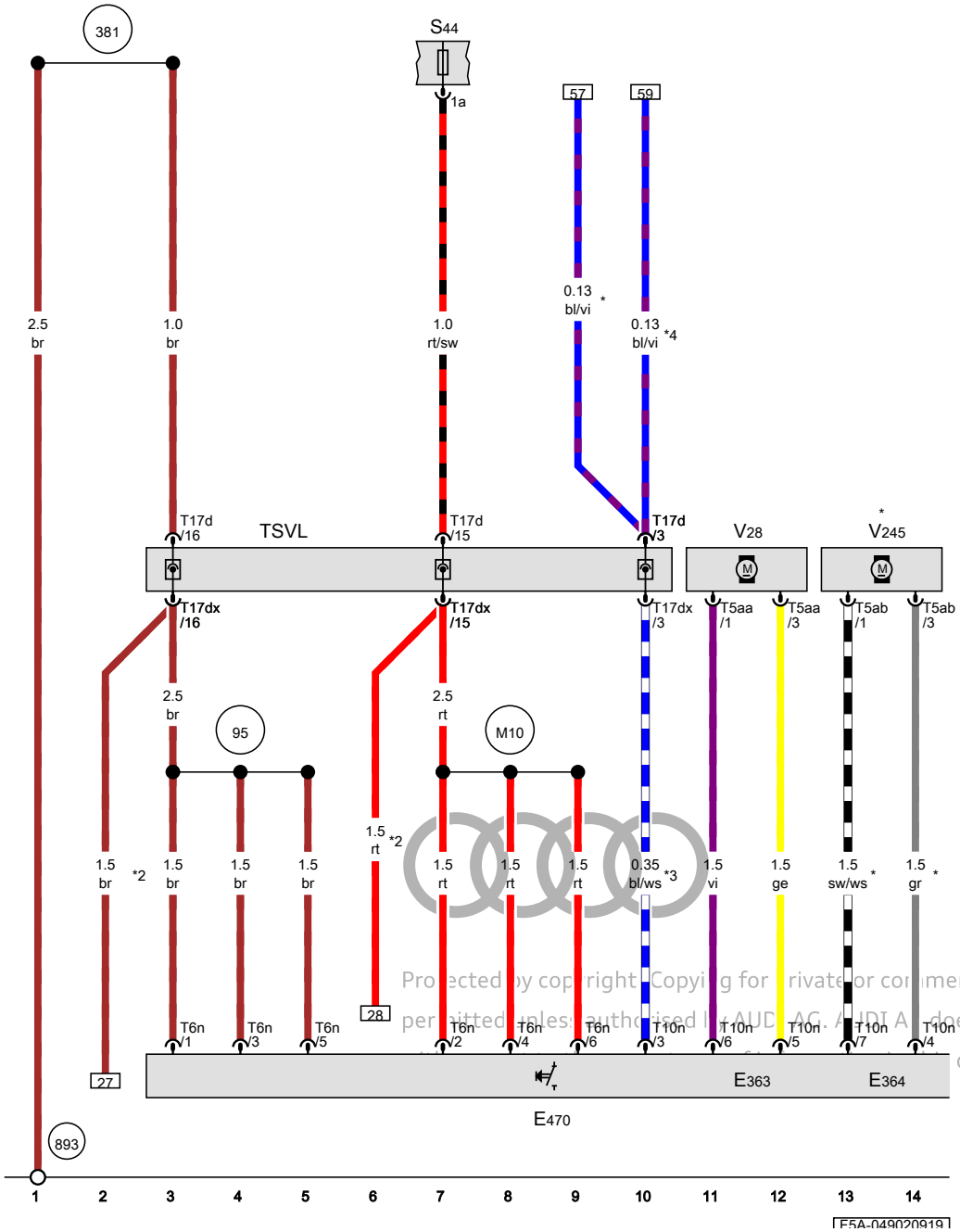

Driver seat adjustment operating unit, Driver seat adjustment thermal fuse 1, Coupling point for front left seat

E363	Driver seat longitudinal adjustment switch
E364	Driver seat height adjustment switch
E470	Driver seat adjustment operating unit
S44	Driver seat adjustment thermal fuse 1
T5aa	5-pin connector, brown
T5ab	5-pin connector, brown
T6n	6-pin connector, black
T10n	10-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
TSVL	Coupling point for front left seat
V28	Driver seat longitudinal adjustment motor
V245	Driver seat height adjustment motor
95	Earth connection 1, in seat adjustment wiring harness
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
M10	Connection 1, in driver seat adjustment wiring harness
*	According to equipment
*2	For models with adjustable lumbar support
*3	From November 2016
*4	Electrically adjustable driver and front passenger seats

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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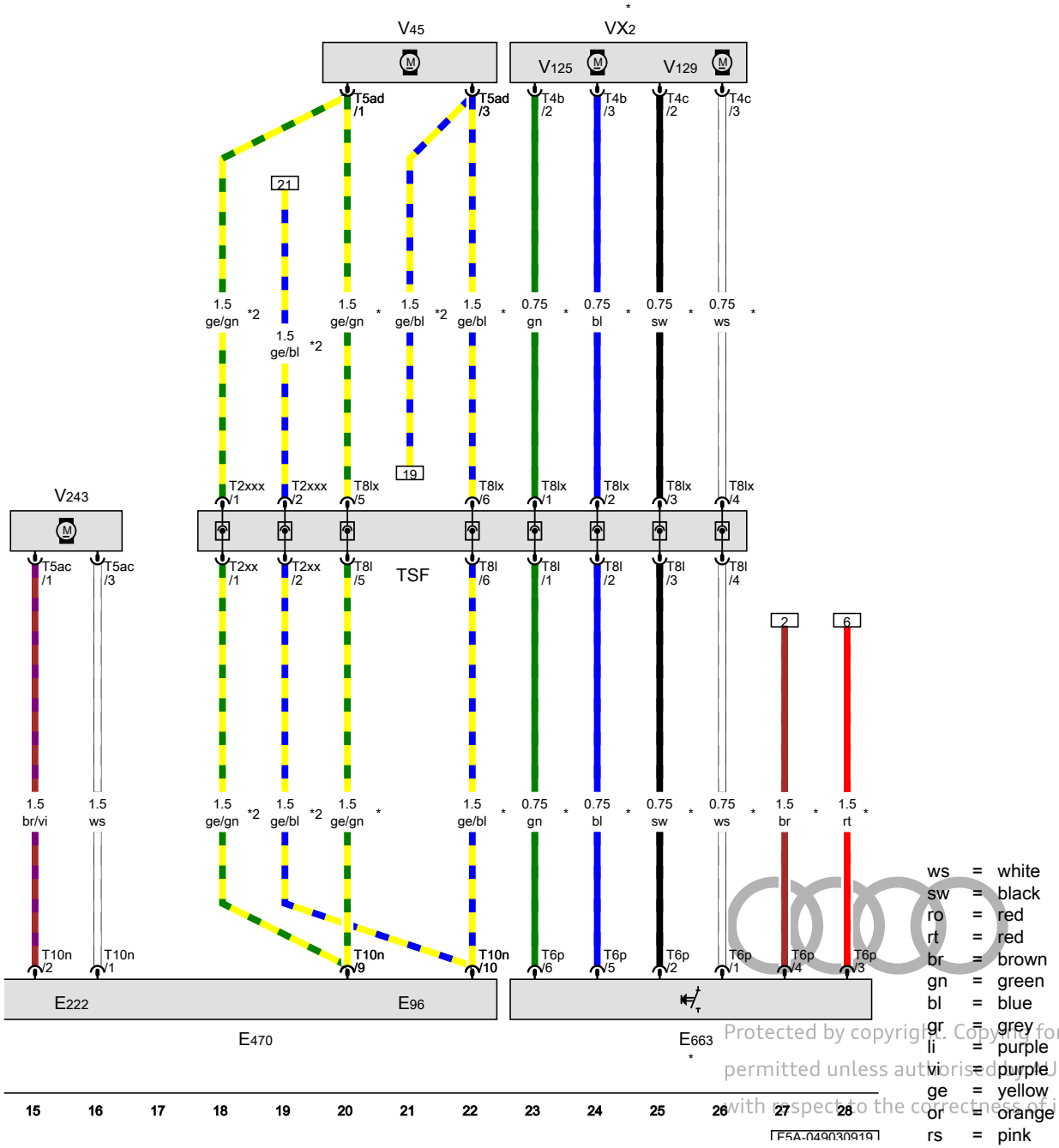

Driver seat adjustment operating unit, Driver seat backrest adjustment motor

E96	Driver seat backrest adjustment switch
E222	Driver seat rake adjustment switch
E470	Driver seat adjustment operating unit
E663	Switch module for driver seat
T2xx	2-pin connector, black
T2xxx	2-pin connector, black
T4b	4-pin connector, black
T4c	4-pin connector, black
T5ac	5-pin connector, brown
T5ad	5-pin connector, brown
T6p	6-pin connector, white
T8l	8-pin connector, black
T8lx	8-pin connector, black
T10n	10-pin connector, black
TSF	Coupling point for driver seat backrest
VX2	Lumbar support for driver seat
V45	Driver seat backrest adjustment motor
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor
V243	Driver seat rake adjustment motor
*	For models with adjustable lumbar support
*2	For models with no adjustable lumbar support

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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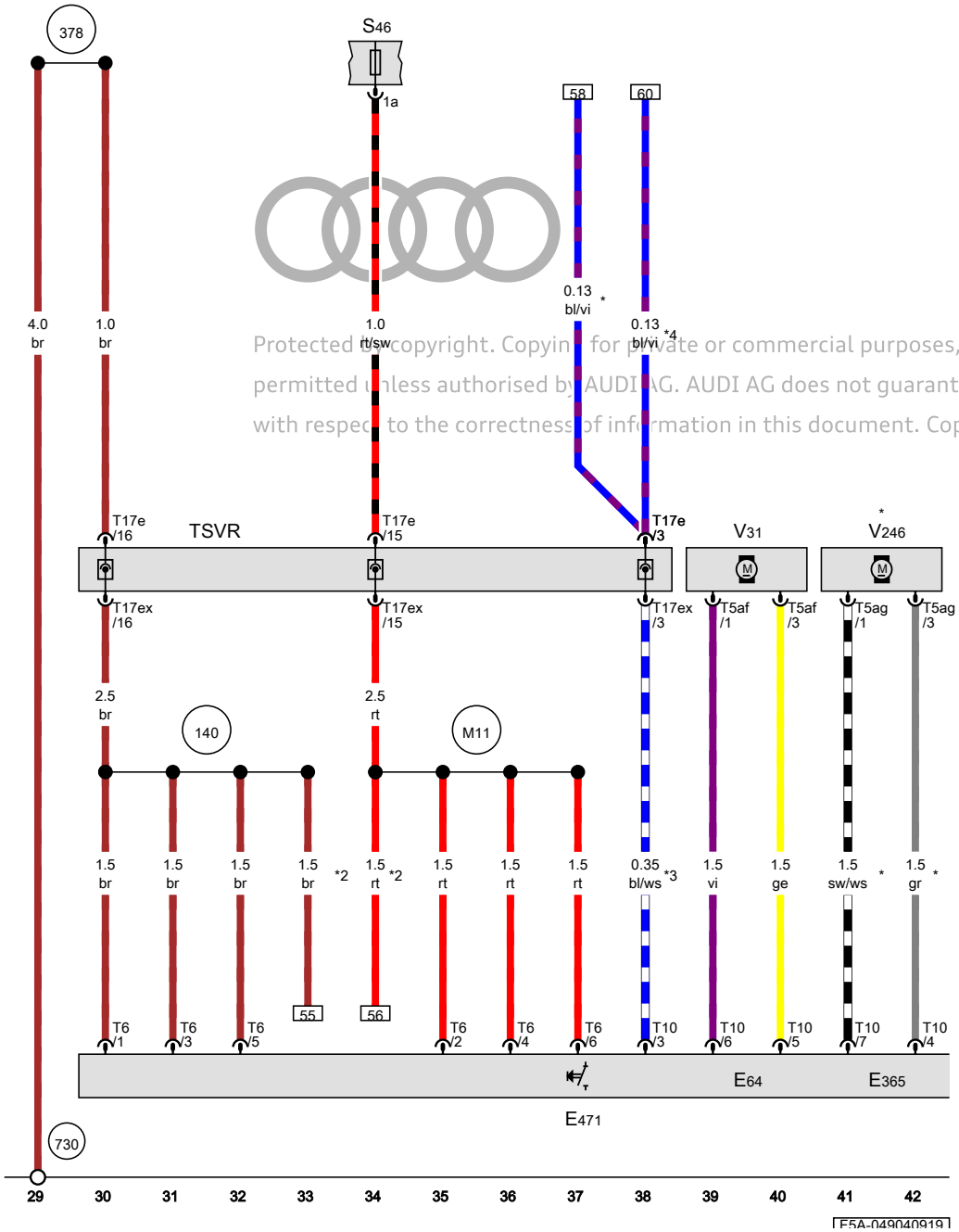

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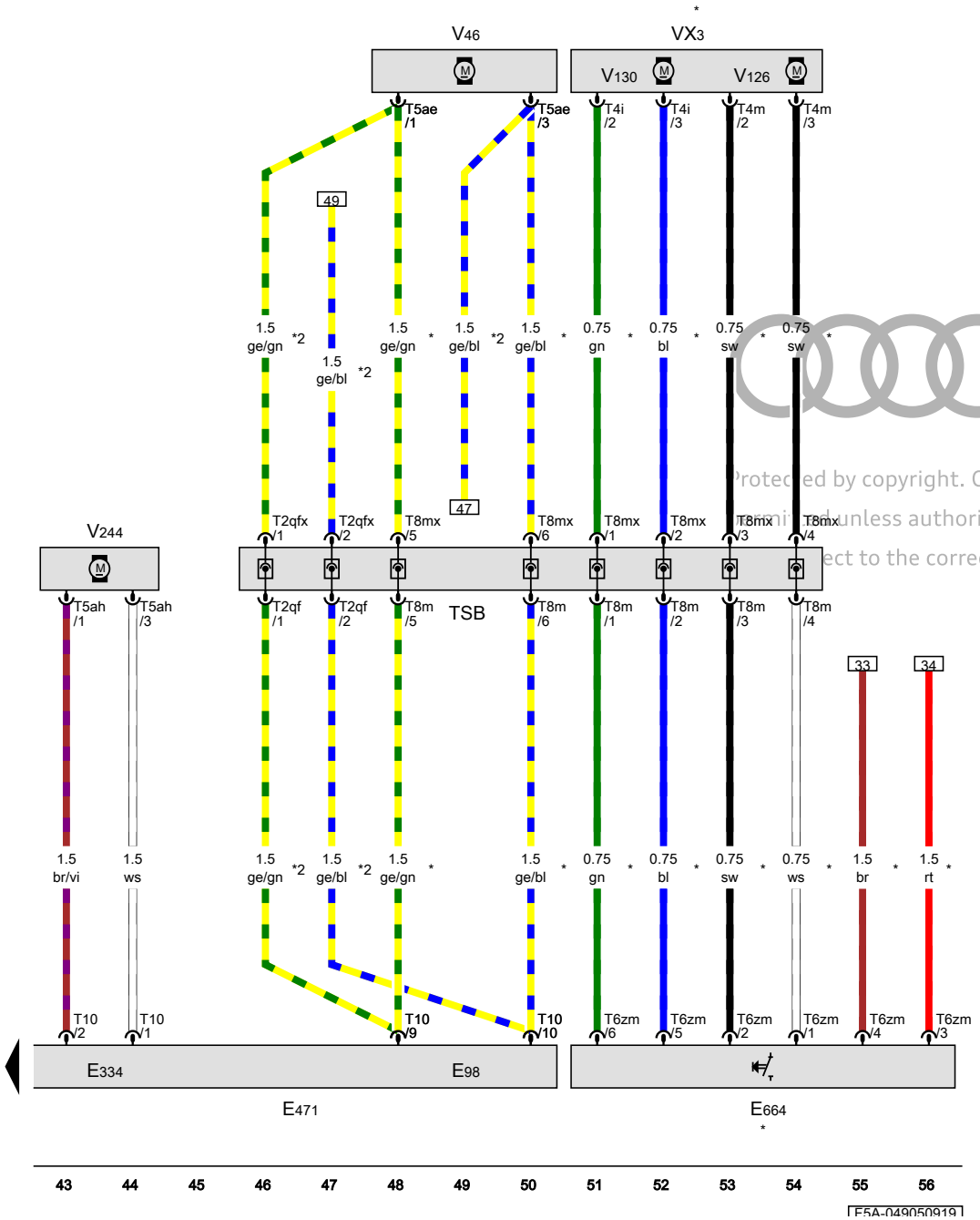
Front passenger seat adjustment operating unit, Coupling point for front right seat

E64	Front passenger seat longitudinal adjustment switch
E365	Front passenger seat height adjustment switch
E471	Front passenger seat adjustment operating unit
S46	Front passenger seat adjustment thermal fuse 1
T5af	5-pin connector, brown
T5ag	5-pin connector, brown
T6	6-pin connector, black
T10	10-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSVR	Coupling point for front right seat
V31	Front passenger seat longitudinal adjustment motor
V246	Front passenger seat height adjustment motor
140	Earth connection 2, in seat adjustment wiring harness
378	Earth connection 13, in main wiring harness
730	Earth point 1, on right rear wheel housing
M11	Connection 2, in driver seat adjustment wiring harness
*	According to equipment
*2	For models with adjustable lumbar support
*3	From November 2016
*4	Electrically adjustable driver and front passenger seats



Front passenger seat adjustment operating unit, Switch module for front passenger seat, Lumbar support for front passenger seat, Front passenger seat backrest adjustment motor

E98	Front passenger seat backrest adjustment switch
E334	Front passenger seat rake adjustment button
E471	Front passenger seat adjustment operating unit
E664	Switch module for front passenger seat
T2qf	2-pin connector, black
T2qfx	2-pin connector, black
T4i	4-pin connector, black
T4m	4-pin connector, black
T5ae	5-pin connector, brown
T5ah	5-pin connector, brown
T6zm	6-pin connector, white
T8m	8-pin connector, black
T8mx	8-pin connector, black
T10	10-pin connector, black
TSB	Coupling point for front passenger seat backrest
VX3	Lumbar support for front passenger seat
V46	Front passenger seat backrest adjustment motor
V126	Front passenger seat lumbar support longitudinal adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
V244	Front passenger seat rake adjustment motor
*	For models with adjustable lumbar support
*2	For models with no adjustable lumbar support

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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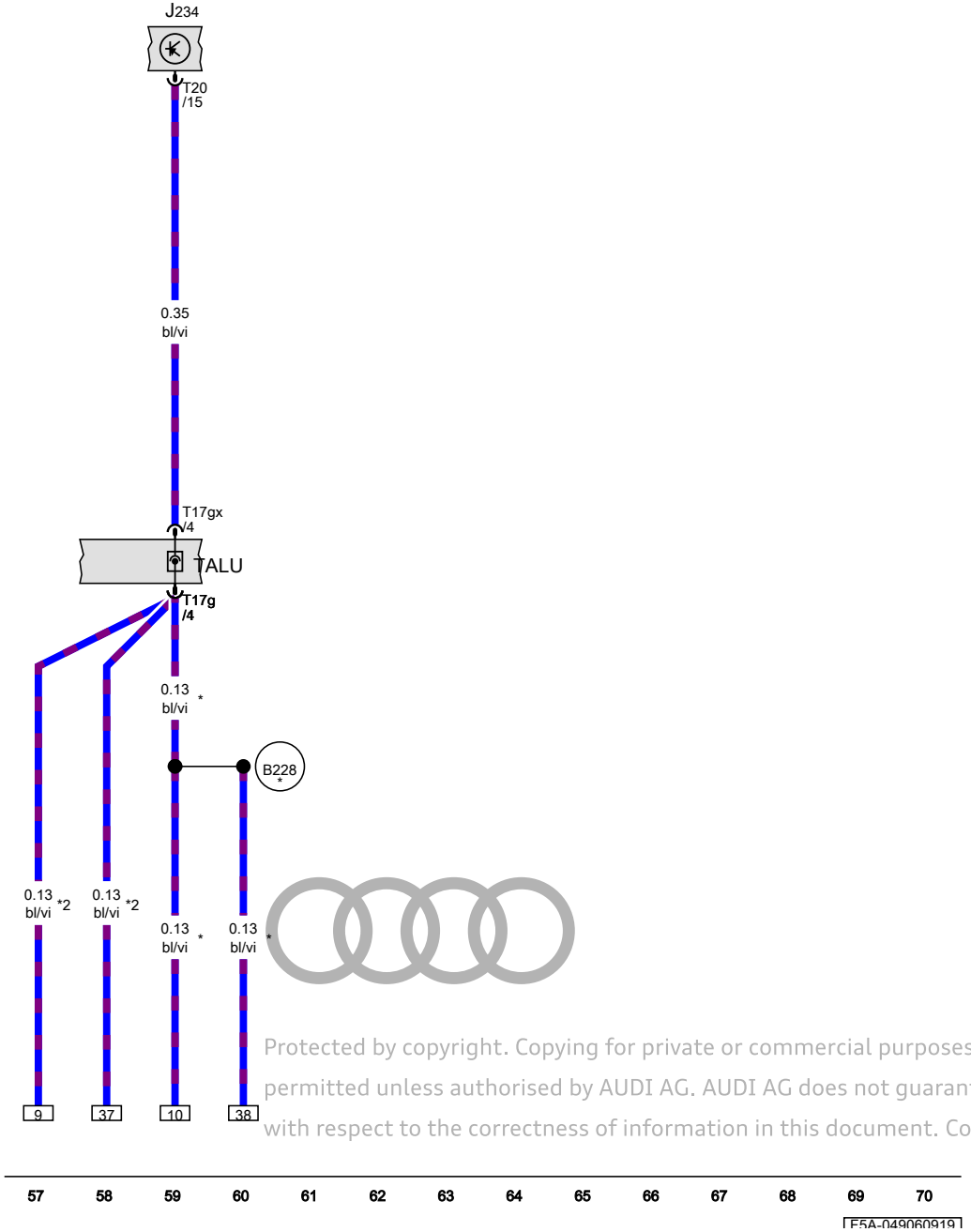

Airbag control unit

J234	Airbag control unit
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20	20-pin connector
TALU	Coupling point on left A-pillar, bottom
B228	Connection (crash signal), in interior wiring harness
*	Electrically adjustable driver and front passenger seats
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
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Seat and mirror adjustment with memory function , (3L4)

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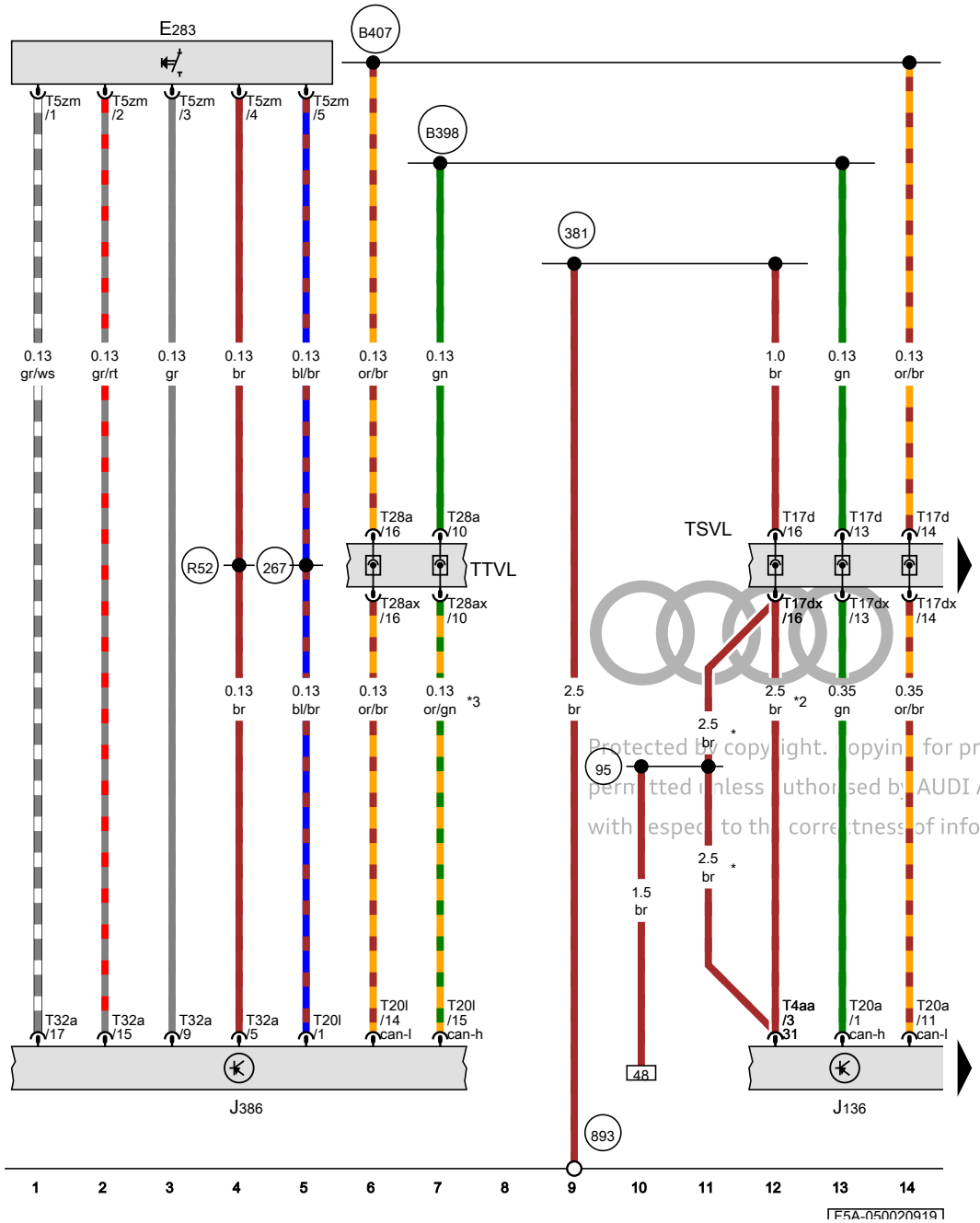

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Driver seat memory function button, Seat and steering column adjustment control unit with memory, Driver door control unit

E283	Driver seat memory function button
J136	Seat and steering column adjustment control unit with memory
J386	Driver door control unit
T4aa	4-pin connector, black
T5zm	5-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T20a	20-pin connector, black
T20l	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
T32a	32-pin connector, blue
TSVL	Coupling point for front left seat
TTVL	Coupling point for front left door
95	Earth connection 1, in seat adjustment wiring harness
267	Earth connection 2, in drive side door wiring harness
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
R52	Connection (58s), in driver side door wiring harness

* For models with electric front seat adjustment and memory function

*2 For models with electric seat adjustment and memory function on driver side

*3 Different wire colour possible

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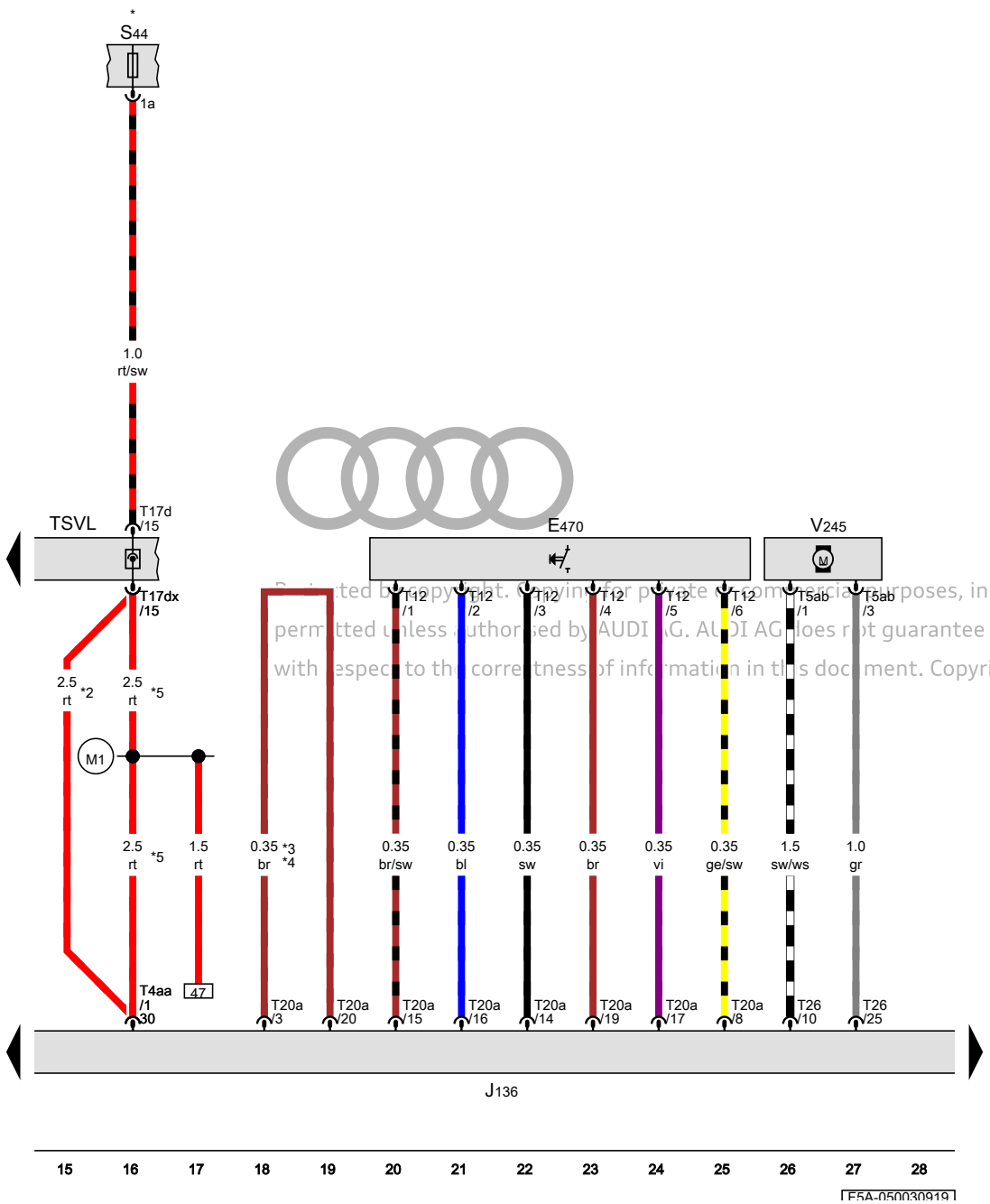

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Driver seat adjustment operating unit, Seat and steering column adjustment control unit with memory, Driver seat height adjustment motor

E470	Driver seat adjustment operating unit
J136	Seat and steering column adjustment control unit with memory
S44	Driver seat adjustment thermal fuse 1
T4aa	4-pin connector, black
T5ab	5-pin connector, brown
T12	12-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T20a	20-pin connector, black
T26	26-pin connector, white
TSVL	Coupling point for front left seat
V245	Driver seat height adjustment motor
M1	Positive connection 1 (30), in seat adjustment wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with electric seat adjustment and memory function on driver side
*3	Coding wire
*4	According to equipment
*5	For models with electric front seat adjustment and memory function

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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vi	=	purple
ge	=	yellow
or	=	orange
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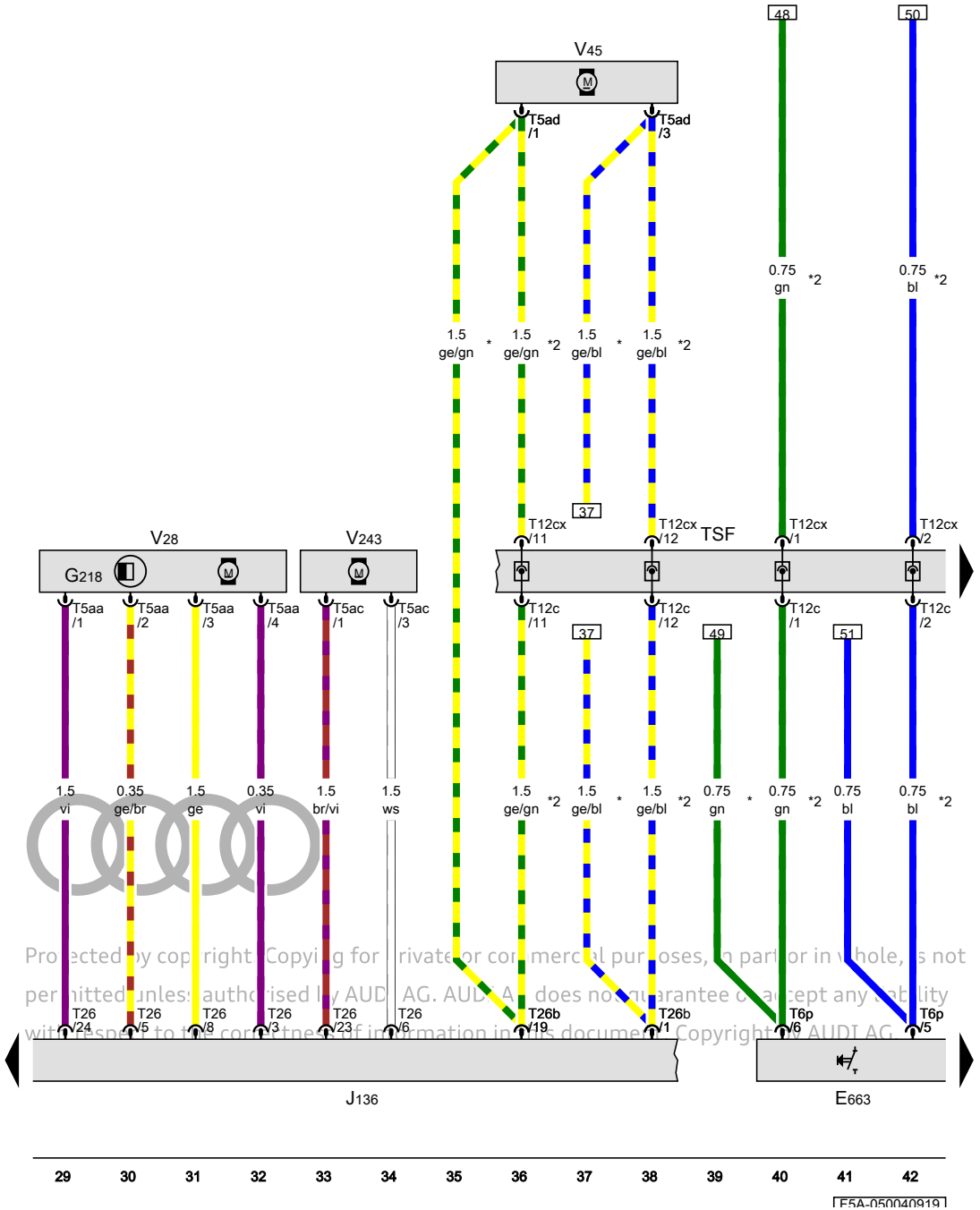

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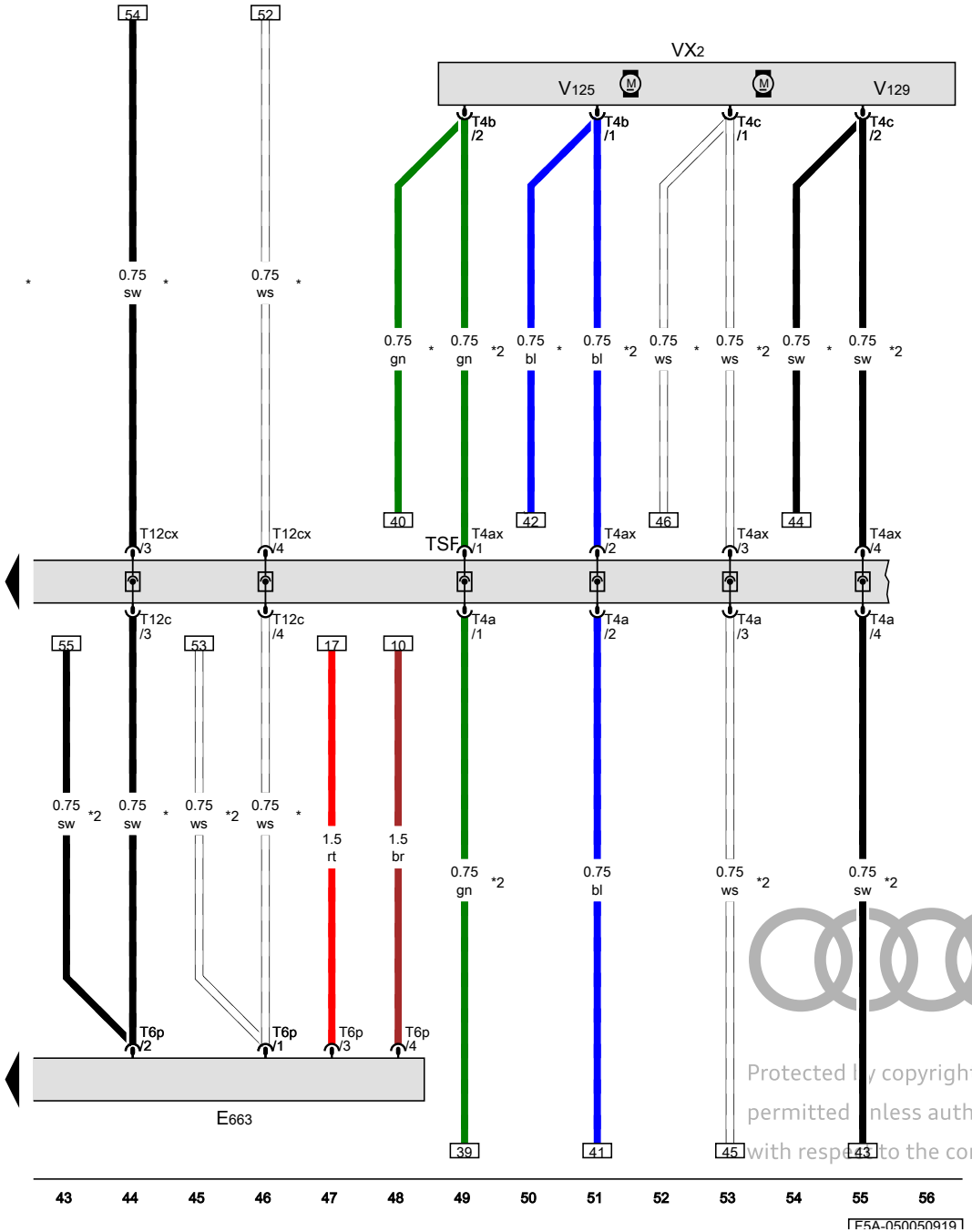
rs = pink

Switch module for driver seat, Seat and steering column adjustment control unit with memory, Driver seat longitudinal adjustment motor, Driver seat backrest adjustment motor, Driver seat rake adjustment motor

E663	Switch module for driver seat
G218	Longitudinal adjustment sender for driver seat
J136	Seat and steering column adjustment control unit with memory
T5aa	5-pin connector, brown
T5ac	5-pin connector, brown
T5ad	5-pin connector, brown
T6p	6-pin connector, white
T12c	12-pin connector, black
T12cx	12-pin connector, black
T26	26-pin connector, white
T26b	26-pin connector, blue
TSF	Coupling point for driver seat backrest
V28	Driver seat longitudinal adjustment motor
V45	Driver seat backrest adjustment motor
V243	Driver seat rake adjustment motor
*	For models with no seat heating
*2	For models with seat heating



Switch module for driver seat, Lumbar support for driver seat

E663	Switch module for driver seat
T4a	4-pin connector, black
T4ax	4-pin connector, black
T4b	4-pin connector, black
T4c	4-pin connector, black
T6p	6-pin connector, white
T12c	12-pin connector, black
T12cx	12-pin connector, black
TSF	Coupling point for driver seat backrest
VX2	Lumbar support for driver seat
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor
*	For models with seat heating
*2	For models with no seat heating

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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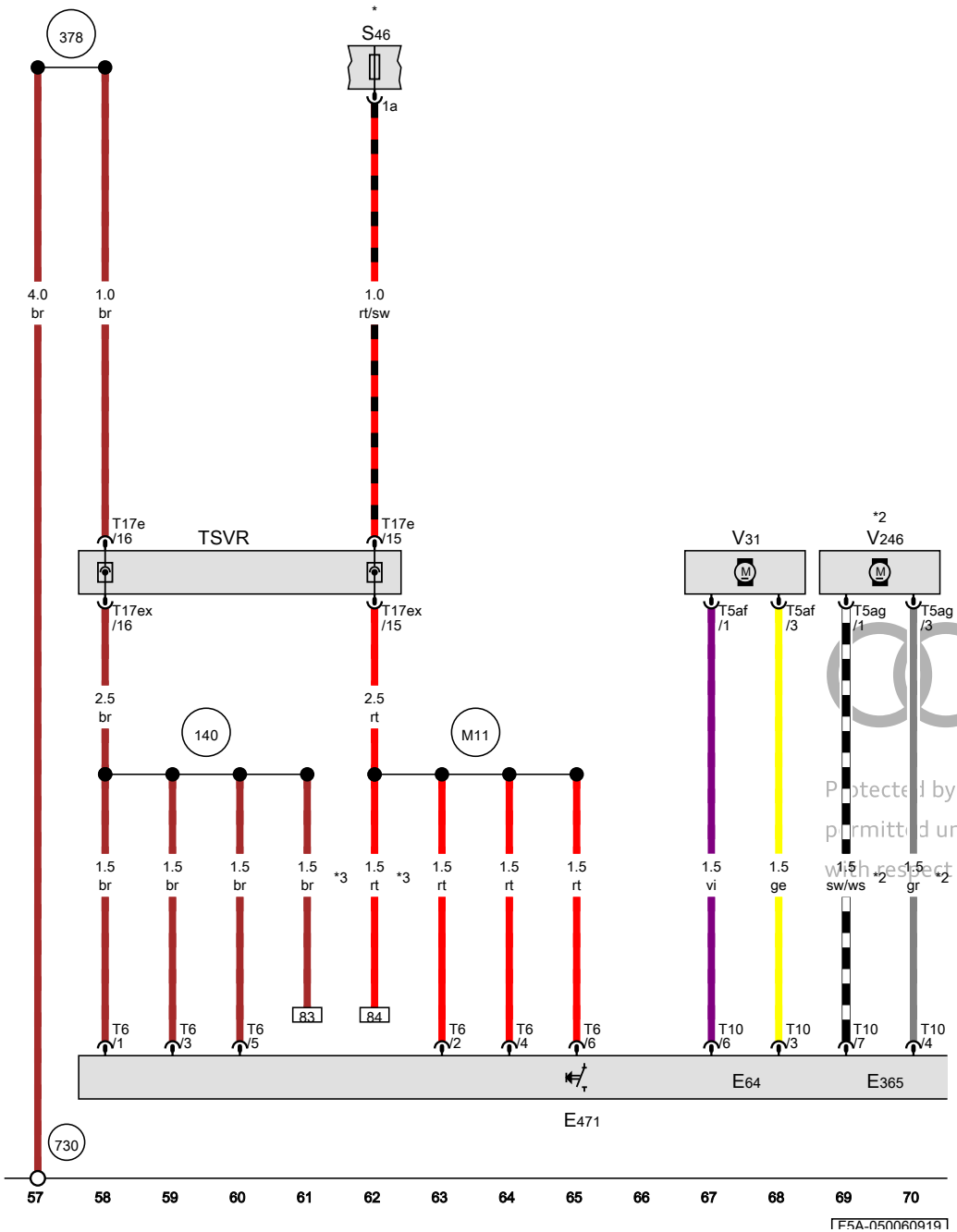

Front passenger seat adjustment operating unit, Coupling point for front right seat

E64	Front passenger seat longitudinal adjustment switch
E365	Front passenger seat height adjustment switch
E471	Front passenger seat adjustment operating unit
S46	Front passenger seat adjustment thermal fuse 1
T5af	5-pin connector, brown
T5ag	5-pin connector, brown
T6	6-pin connector, black
T10	10-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSVR	Coupling point for front right seat
V31	Front passenger seat longitudinal adjustment motor
V246	Front passenger seat height adjustment motor
140	Earth connection 2, in seat adjustment wiring harness
378	Earth connection 13, in main wiring harness
730	Earth point 1, on right rear wheel housing
M11	Connection 2, in driver seat adjustment wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	For models with adjustable lumbar support

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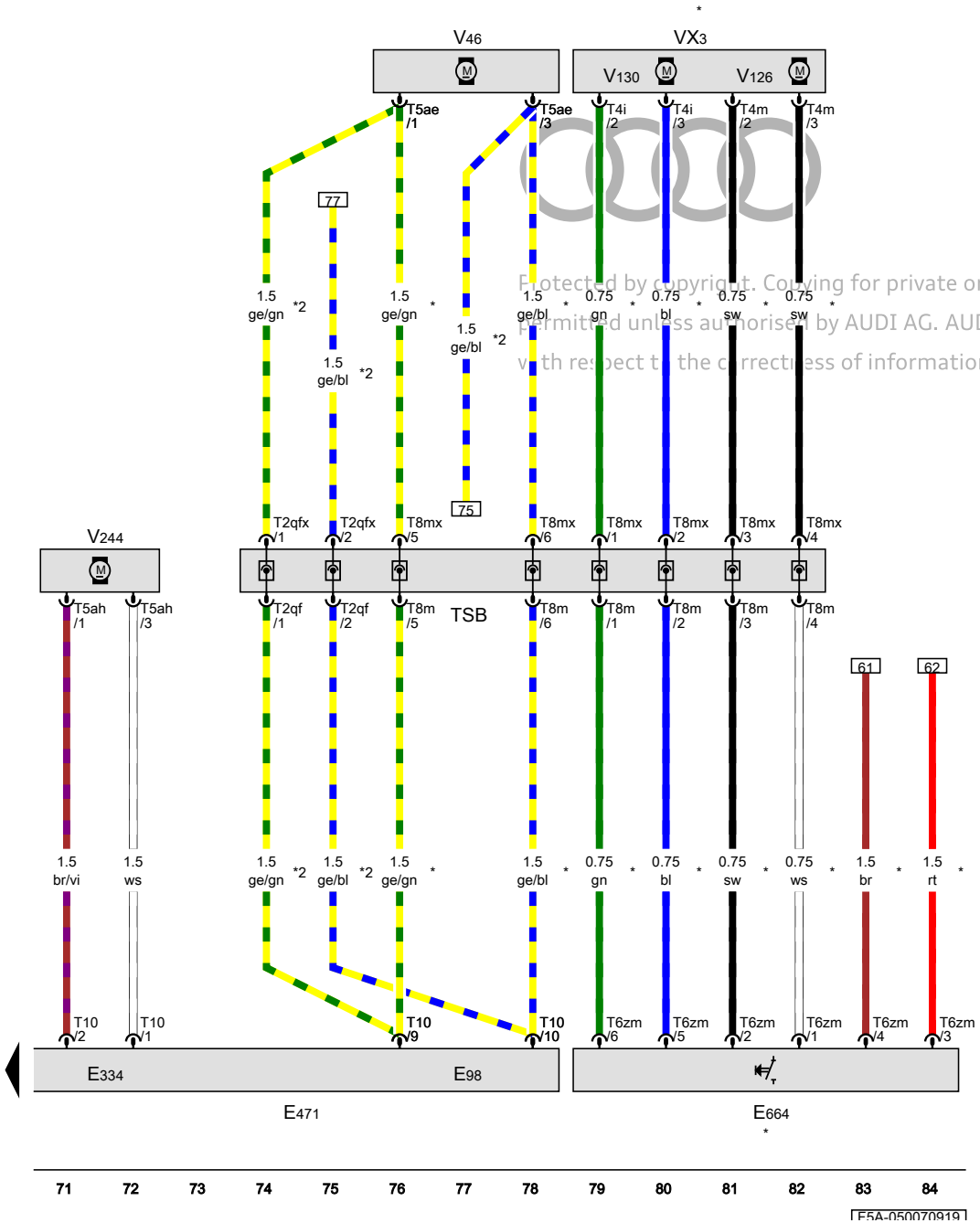

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Front passenger seat adjustment operating unit, Switch module for front passenger seat, Lumbar support for front passenger seat, Front passenger seat backrest adjustment motor

E98	Front passenger seat backrest adjustment switch
E334	Front passenger seat rake adjustment button
E471	Front passenger seat adjustment operating unit
E664	Switch module for front passenger seat
T2qf	2-pin connector, black
T2qfx	2-pin connector, black
T4i	4-pin connector, black
T4m	4-pin connector, black
T5ae	5-pin connector, brown
T5ah	5-pin connector, brown
T6zm	6-pin connector, white
T8m	8-pin connector, black
T8mx	8-pin connector, black
T10	10-pin connector, black
TSB	Coupling point for front passenger seat backrest
VX3	Lumbar support for front passenger seat
V46	Front passenger seat backrest adjustment motor
V126	Front passenger seat lumbar support longitudinal adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
V244	Front passenger seat rake adjustment motor
*	For models with adjustable lumbar support
*2	For models with no adjustable lumbar support

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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ge	=	yellow
or	=	orange
rs	=	pink

Heater , (9AC)

From July 2016

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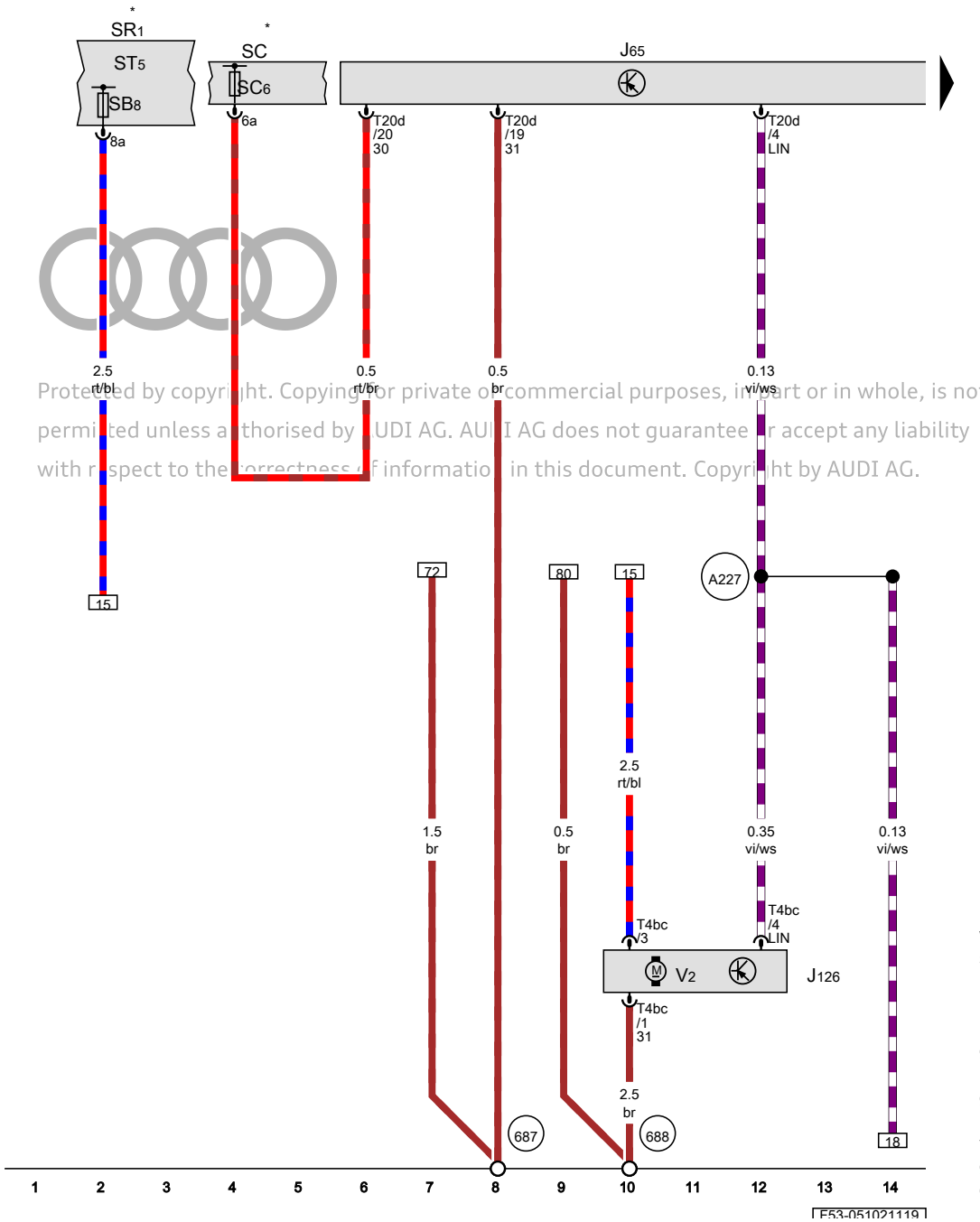

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Heater control unit, Fresh air blower control unit, Fresh air blower

J65	Heater control unit
J126	Fresh air blower control unit
SC	Fuse holder C
SR1	Relay and fuse carrier 1
ST5	Fuse carrier 5, red
SC6	Fuse 6 on fuse holder C
SB8	Fuse 8 on fuse holder B
T4bc	4-pin connector, black
T20d	20-pin connector, black
V2	Fresh air blower
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A227	Connection 2 (LIN bus) in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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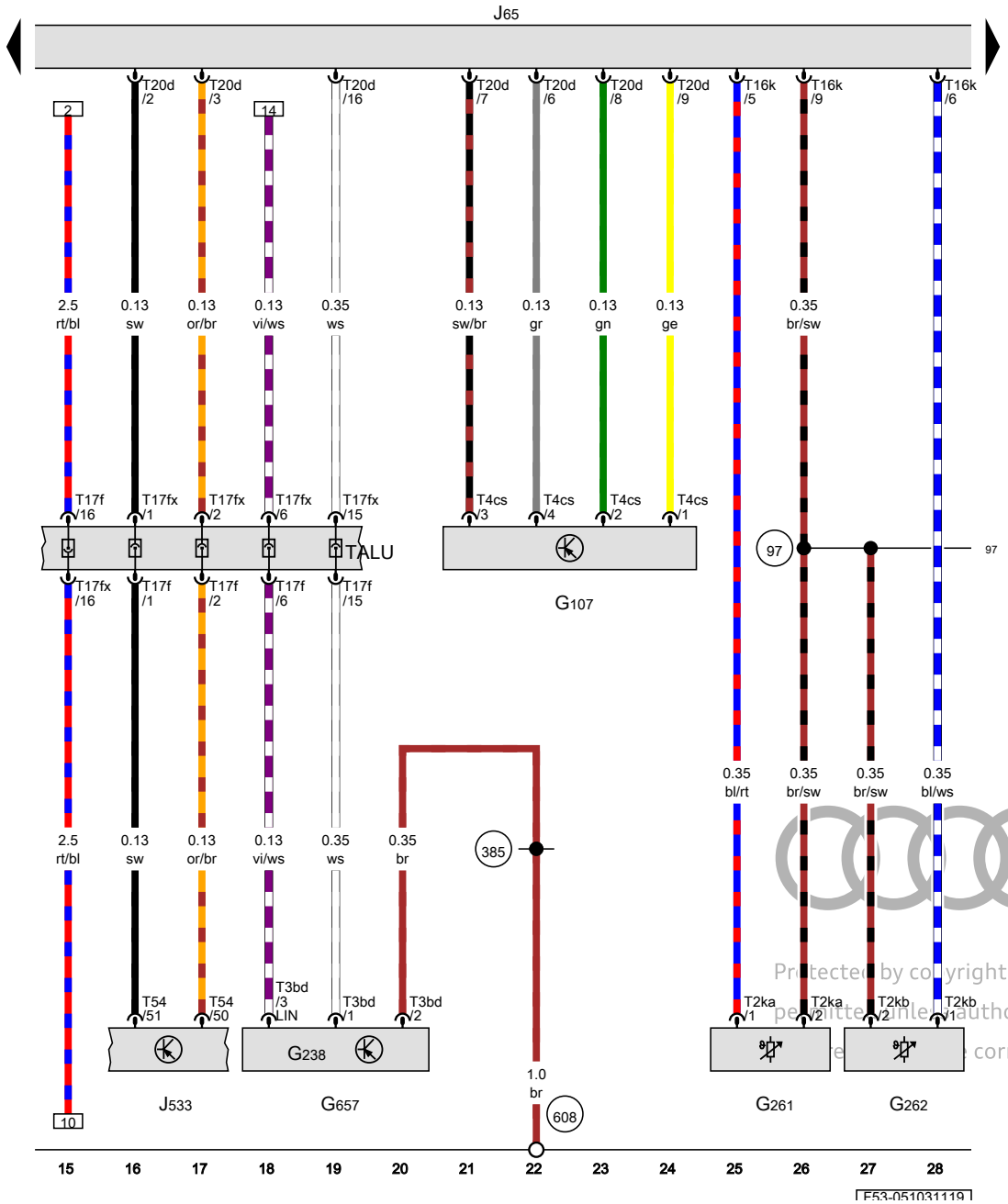

Sunlight penetration photosensor, Air quality sensor, Left footwell vent temperature sender, Right footwell vent temperature sender, Humidity sender in fresh air intake duct, Heater control unit, Data bus diagnostic interface

G107	Sunlight penetration photosensor
G238	Air quality sensor
G261	Left footwell vent temperature sender
G262	Right footwell vent temperature sender
G657	Humidity sender in fresh air intake duct
J65	Heater control unit
J533	Data bus diagnostic interface
T2ka	2-pin connector, black
T2kb	2-pin connector, black
T3bd	3-pin connector, black
T4cs	4-pin connector, black
T16k	16-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T20d	20-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
97	Earth connection 1, in air conditioning system wiring harness
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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rs	=	pink

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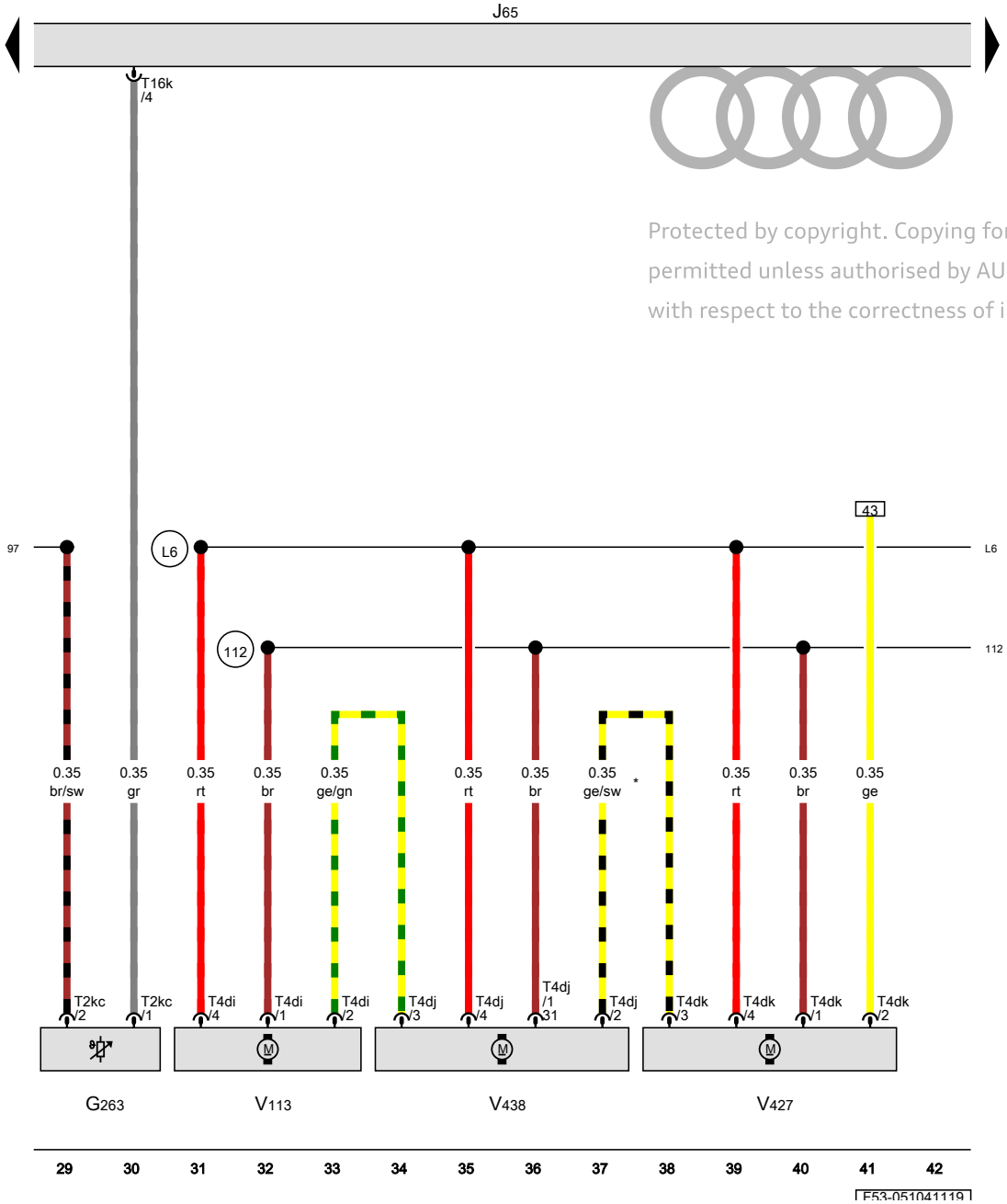
Evaporator output temperature sender, Heater control unit, Air recirculation flap control motor, Rear air distribution flap control motor, Fresh air flap control motor

G263	Evaporator output temperature sender
J65	Heater control unit
T2kc	2-pin connector, black
T4di	4-pin connector, black
T4dj	4-pin connector, black
T4dk	4-pin connector, black
T16k	16-pin connector, black
V113	Air recirculation flap control motor
V427	Rear air distribution flap control motor
V438	Fresh air flap control motor
97	Earth connection 1, in air conditioning system wiring harness
112	Earth connection 2, in air conditioning system wiring harness
L6	Connection 2, in evaporator housing unit wiring harness
*	Wiring colour depends on equipment



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ge	=	yellow
or	=	orange
rs	=	pink

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Heater control unit, Defroster flap control motor, Right temperature flap control motor, Right side vent control motor

J65	Heater control unit
T4dl	4-pin connector, black
T4dm	4-pin connector, black
T4dn	4-pin connector, black
V107	Defroster flap control motor
V159	Right temperature flap control motor
V300	Right side vent control motor
112	Earth connection 2, in air conditioning system wiring harness
L5	Connection 1, in evaporator housing unit wiring harness
L6	Connection 2, in evaporator housing unit wiring harness

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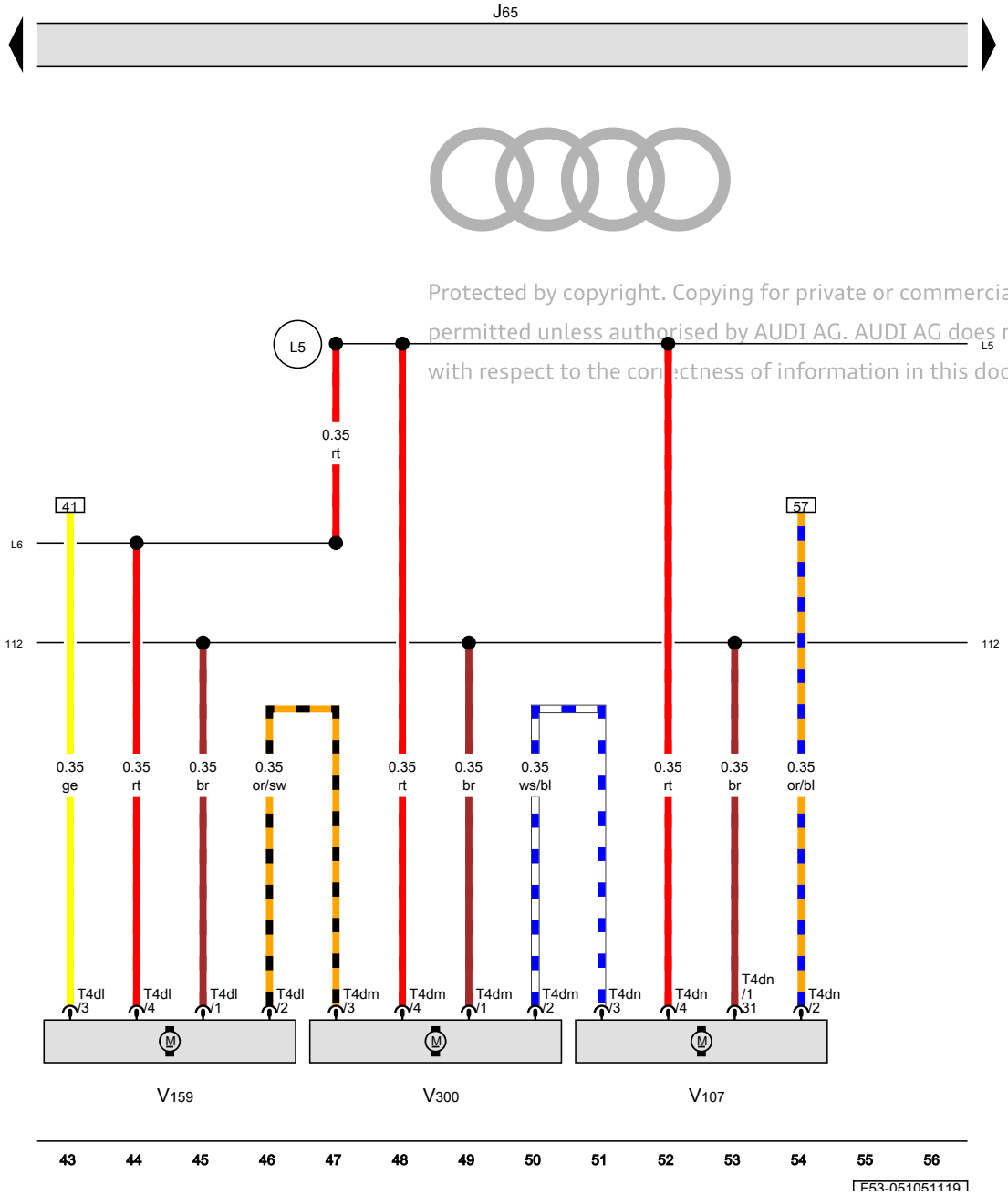

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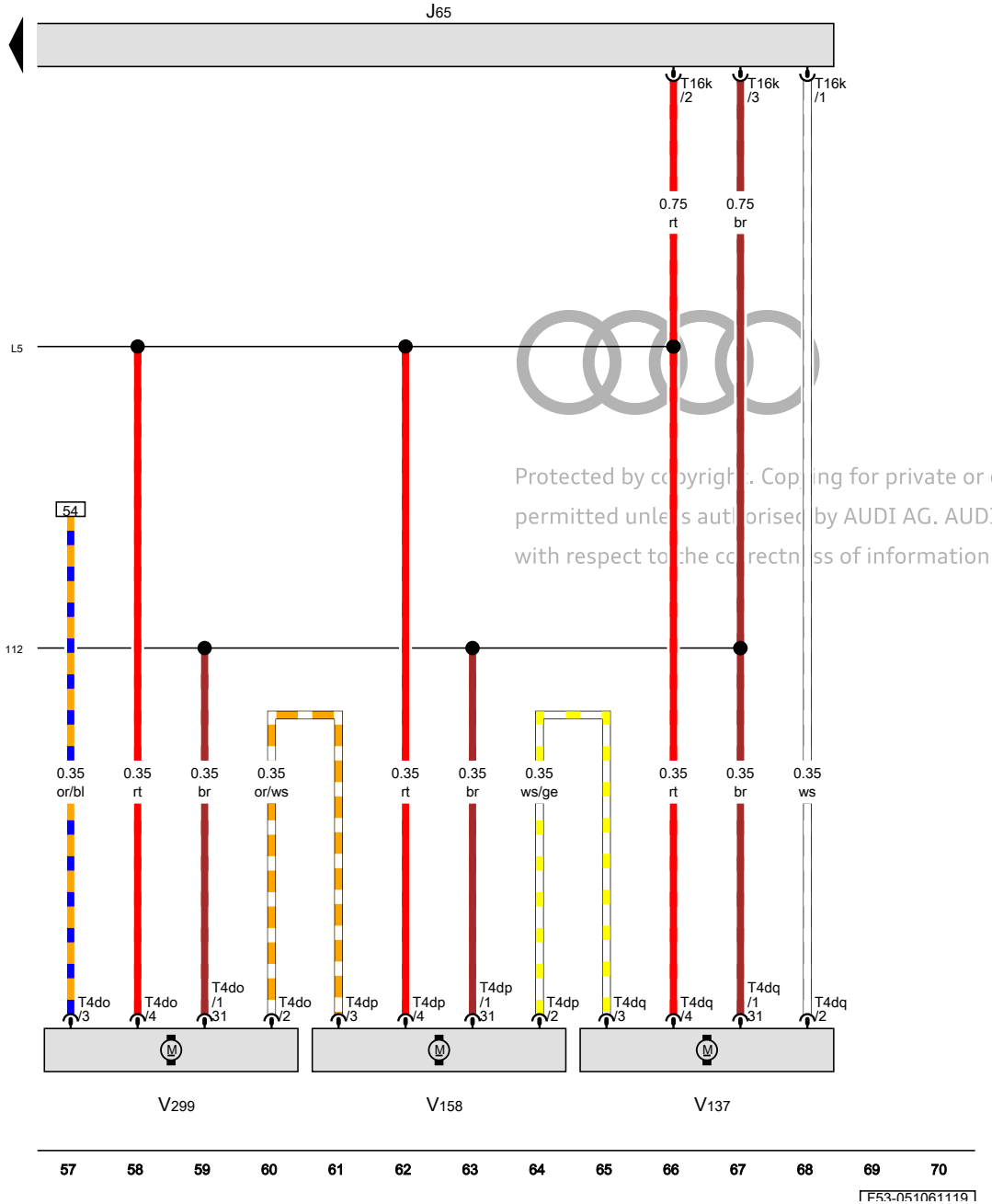
ge	=	yellow
or	=	orange
rs	=	pink

Heater control unit, Rear temperature flap control motor, Left temperature flap control motor, Left side vent control motor

J65	Heater control unit
T4do	4-pin connector, black
T4dp	4-pin connector, black
T4dq	4-pin connector, black
T16k	16-pin connector, black
V137	Rear temperature flap control motor
V158	Left temperature flap control motor
V299	Left side vent control motor
112	Earth connection 2, in air conditioning system wiring harness
L5	Connection 1, in evaporator housing unit wiring harness



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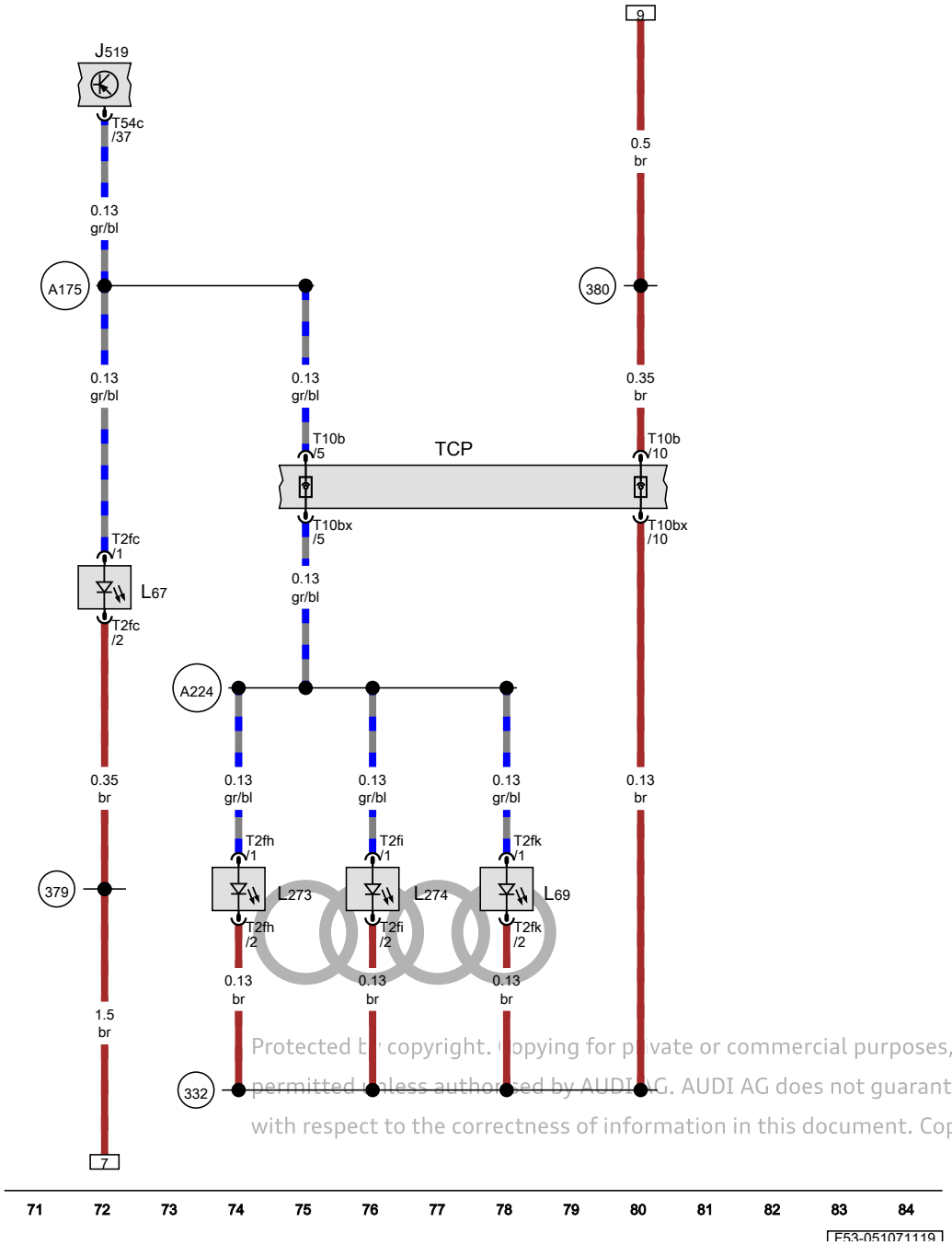

Onboard supply control unit, Dash panel left vent illumination bulb, Dash panel right vent illumination bulb, Light for left air vent illumination, Light for right air vent illumination

J519	Onboard supply control unit
L67	Dash panel left vent illumination bulb
L69	Dash panel right vent illumination bulb
L273	Light for left air vent illumination
L274	Light for right air vent illumination
T2fc	2-pin connector, black
T2fh	2-pin connector, black
T2fi	2-pin connector, black
T2fk	2-pin connector, black
T10b	10-pin connector, black
T10bx	10-pin connector, black
T54c	54-pin connector, black
TCP	Coupling point on dash panel
332	Earth connection 4, in dash panel wiring harness
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
A175	Connection (58s), in dash panel wiring harness
A224	Positive connection 2 (58), in dash panel wiring harness

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All-wheel drive , (GH2)

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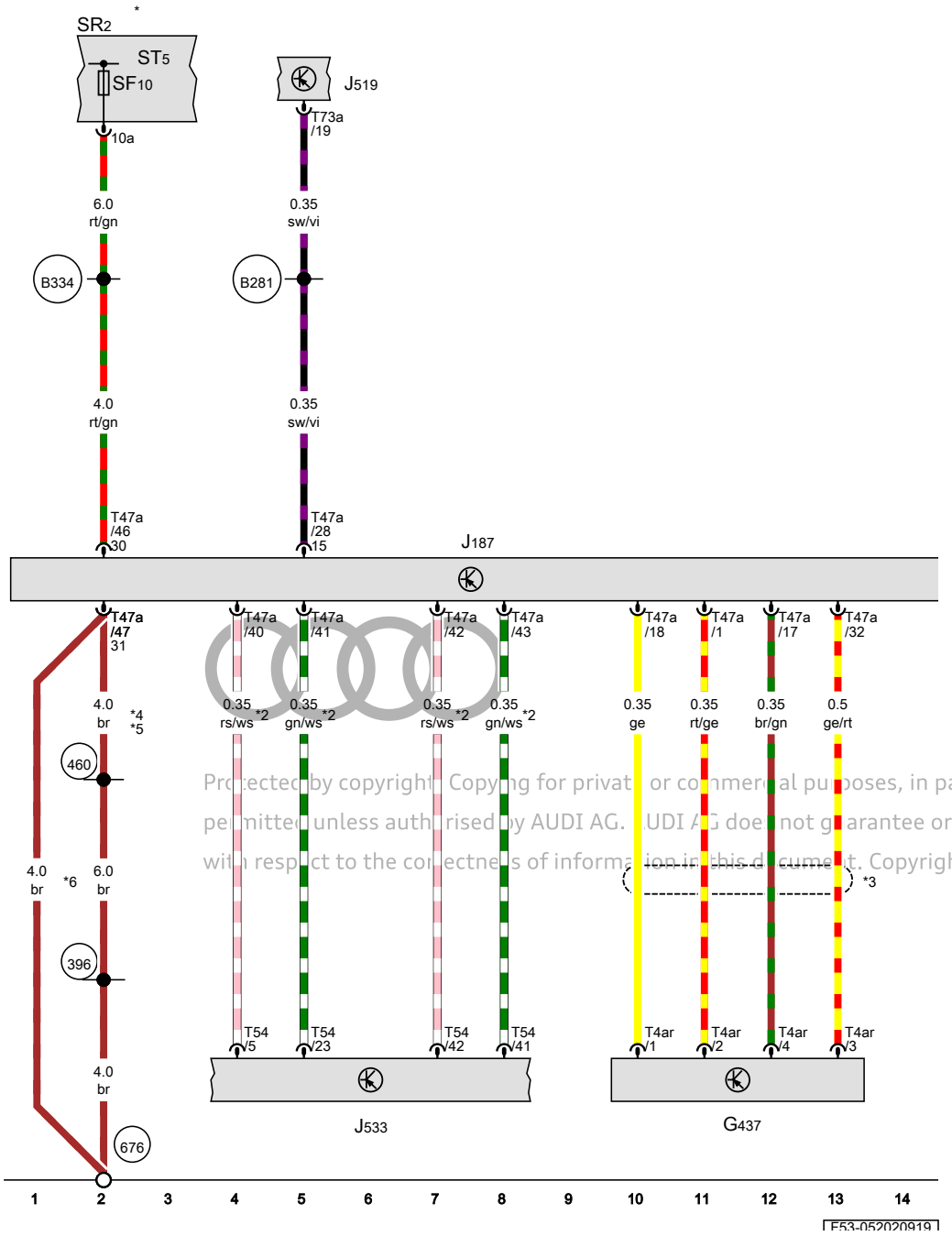

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Oil pressure and oil temperature sender, Differential lock control unit, Onboard supply control unit, Data bus diagnostic interface

G437	Oil pressure and oil temperature sender
J187	Differential lock control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
SR2	Relay and fuse carrier 2
ST5	Fuse carrier 5, red
SF10	Fuse 10 in fuse holder F
T4ar	4-pin connector, black
T47a	47-pin connector, black
T54	54-pin connector, black
T73a	73-pin connector, black
396	Earth connection 31, in main wiring harness
460	Earth connection 1 in all-wheel drive wiring harness
676	Earth point 2, on left in luggage compartment
B281	Positive connection 5 (15a) in main wiring harness
B334	Positive connection 20 (30a) in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Data bus wire (FlexRay bus)
*3	Ferrite core
*4	Coupé
*5	Sportback
*6	For Cabriolet models

Oil pressure and oil temperature sender 2, Differential lock control unit, Clutch valve for all-wheel drive, Clutch valve 2 for all-wheel drive, All-wheel drive pump

G640	Oil pressure and oil temperature sender 2
J187	Differential lock control unit
N445	Clutch valve for all-wheel drive
N446	Clutch valve 2 for all-wheel drive
T2dt	2-pin connector, black
T2du	2-pin connector, brown
T2dv	2-pin connector, black
T4as	4-pin connector, black
T47a	47-pin connector, black
V415	All-wheel drive pump
*	Ferrite core

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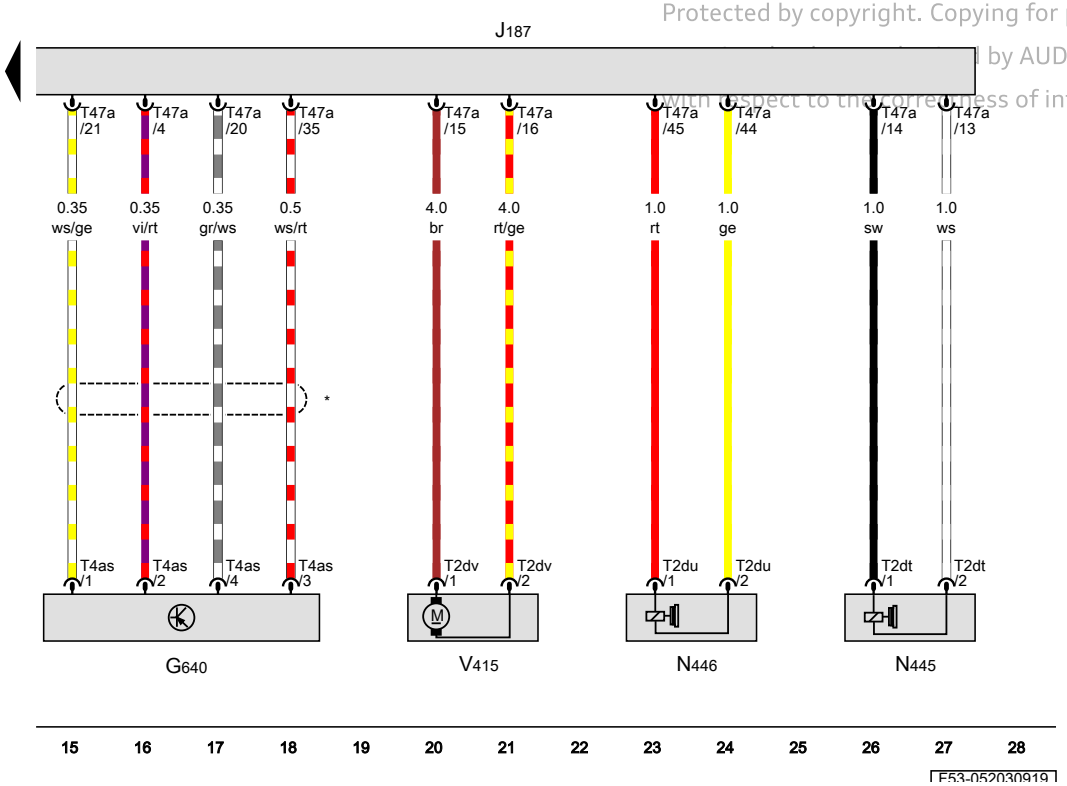

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Auxiliary air heater (PTC) , (7E6)

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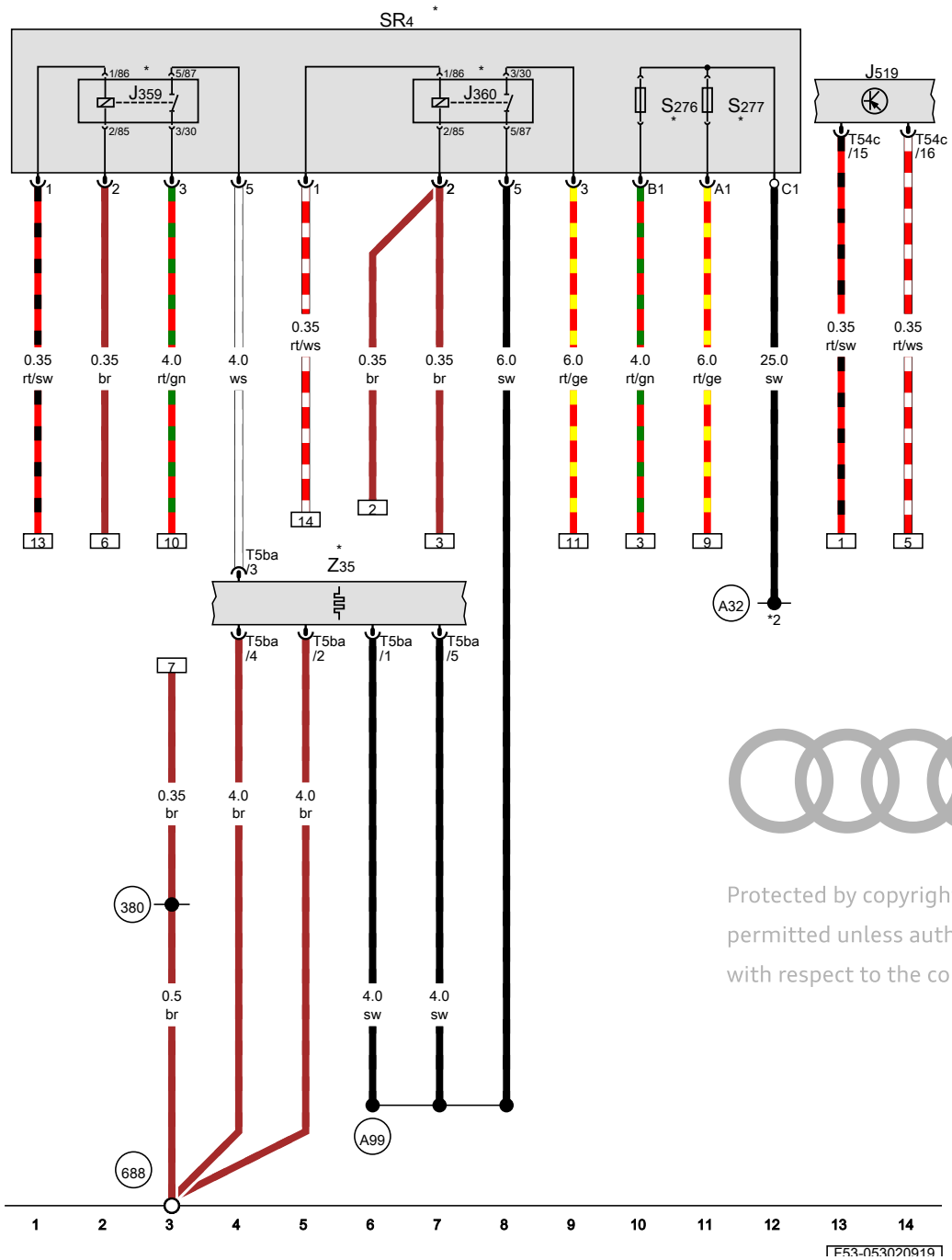

Low heat output relay, High heat output relay, Onboard supply control unit, Relay and fuse carrier 4

J359	Low heat output relay
J360	High heat output relay
J519	Onboard supply control unit
SR4	Relay and fuse carrier 4
S276	Heater element fuse 1
S277	Heater element fuse 2
T5ba	5-pin connector, black
T54c	54-pin connector, black
Z35	Auxiliary air heater element
380	Earth connection 15, in main wiring harness
688	Earth point 2, on centre tunnel
A32	Positive connection (30), in dash panel wiring harness
A99	Connection 1 (87) in dash panel wiring harness
*	For models with auxiliary air heater
*2	see applicable current flow diagram for fuse assignment

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Multifunction steering wheel

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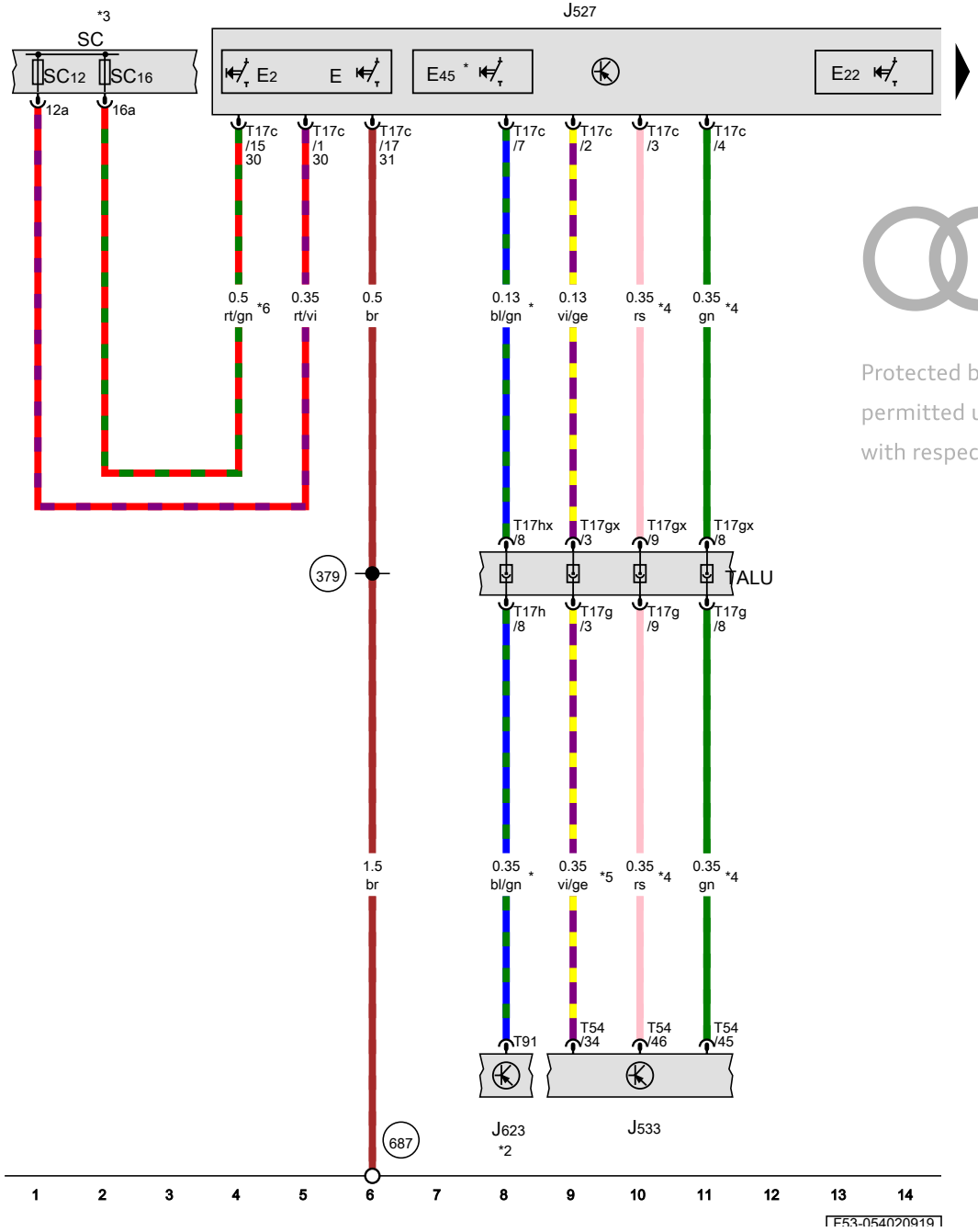

Windscreen wiper switch, Turn signal switch, Intermittent wiper switch, Cruise control system switch, Steering column electronics control unit, Data bus diagnostic interface, Fuse holder C

E	Windscreen wiper switch
E2	Turn signal switch
E22	Intermittent wiper switch
E45	Cruise control system switch
J527	Steering column electronics control unit
J533	Data bus diagnostic interface
J623	Engine/motor control unit
SC	Fuse holder C
SC12	Fuse 12 on fuse holder C
SC16	Fuse 16 on fuse holder C
T17c	17-pin connector, yellow
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T17h	17-pin connector, white
T17hx	17-pin connector, white
T54	54-pin connector, black
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
379	Earth connection 14, in main wiring harness
687	Earth point 1, on centre tunnel
*	For models with cruise control system (CCS)
*2	see applicable current flow diagram for engine
*3	see applicable current flow diagram for fuse assignment
*4	Data bus wire (FlexRay bus)
*5	Cross section depends on equipment
*6	Heated steering wheel with multifunction display

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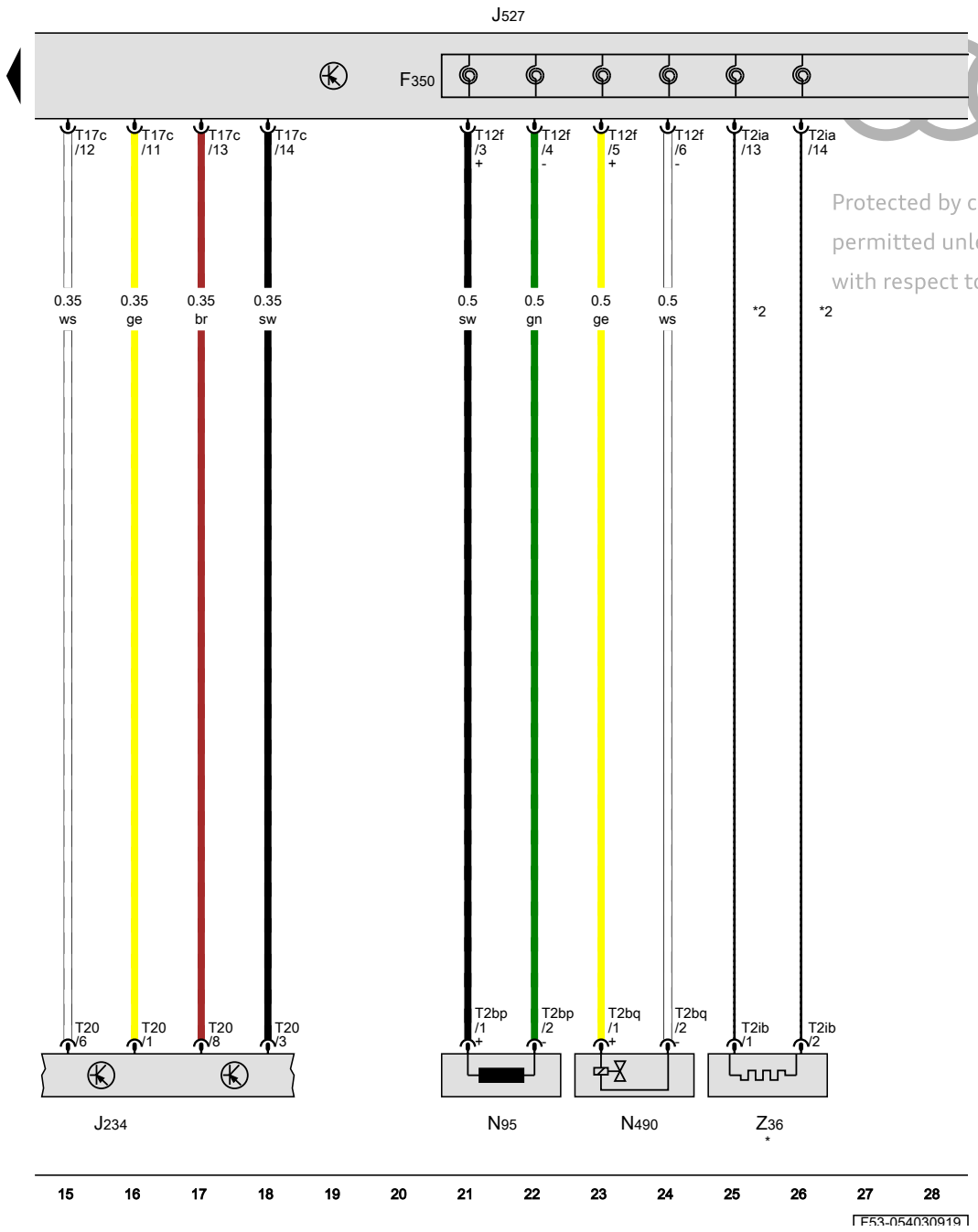

Airbag control unit, Steering column electronics control unit, Airbag igniter on driver side

F350	Coil connector
J234	Airbag control unit
J527	Steering column electronics control unit
N95	Airbag igniter on driver side
N490	Igniter for exhaust valve for driver airbag
T2bp	2-pin connector, black
T2bq	2-pin connector, black
T2ia	2-pin connector, black
T2ib	2-pin connector, black
T12f	12-pin connector, black
T17c	17-pin connector, yellow
T20	20-pin connector, yellow
Z36	Heated steering wheel
*	For models with heated steering wheel
*2	Adapter wire

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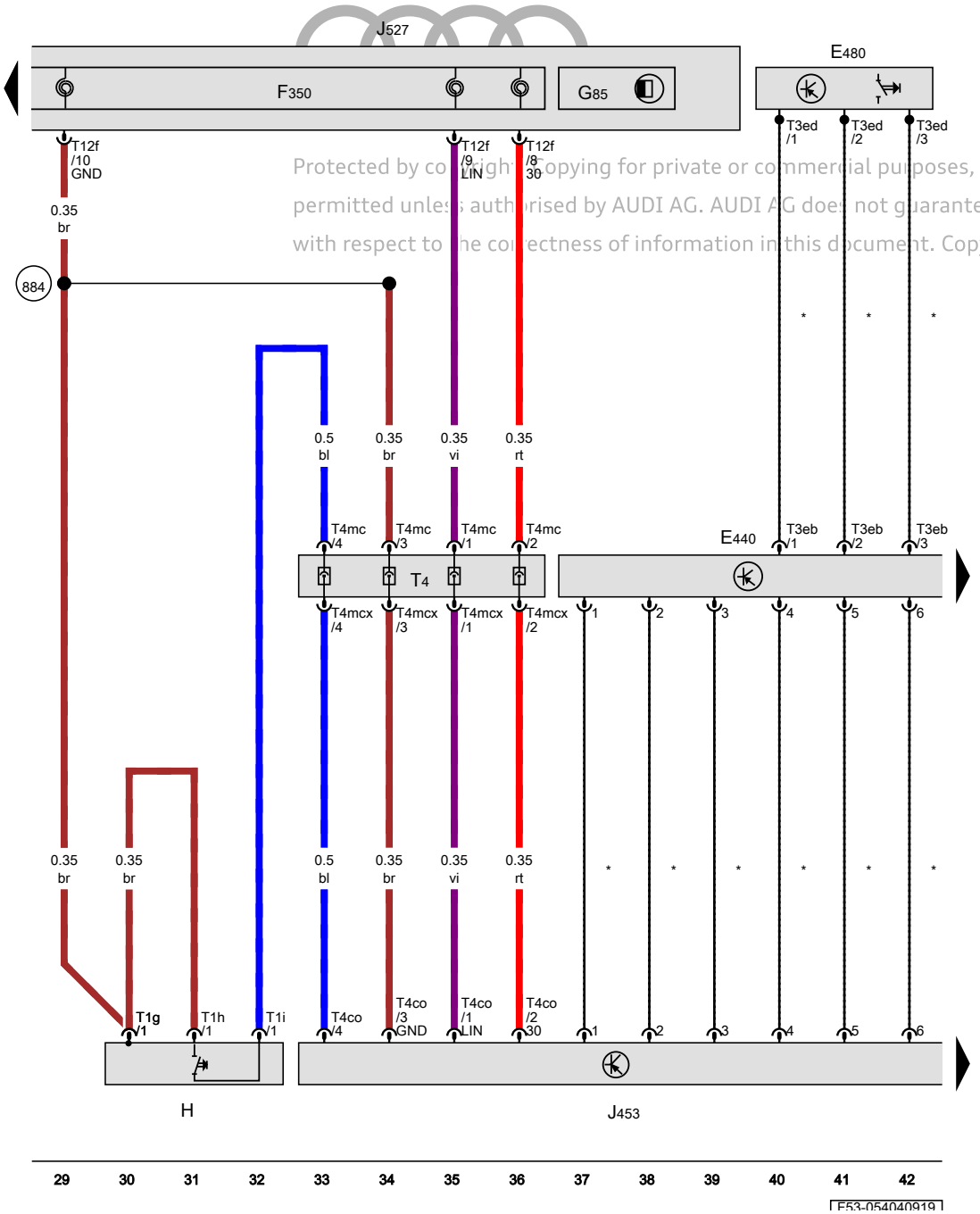

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Multifunction buttons on left in steering wheel, Tiptronic switch (shift down), Horn plate, Multifunction steering wheel control unit, Steering column electronics control unit

E440	Multifunction buttons on left in steering wheel
E480	Tiptronic switch (shift down)
F350	Coil connector
G85	Steering angle sender
H	Horn plate
J453	Multifunction steering wheel control unit, in steering wheel
J527	Steering column electronics control unit
T1g	1-pin connector, black
T1h	1-pin connector, black
T1i	1-pin connector, black
T3eb	3-pin connector, black
T3ed	3-pin connector
T12f	12-pin connector, black
T4	4-pin connector, in steering wheel
T4co	4-pin connector, black
T4mc	4-pin connector
T4mcx	4-pin connector
884	Earth connection 1 in steering wheel wiring harness
*	Adapter wire

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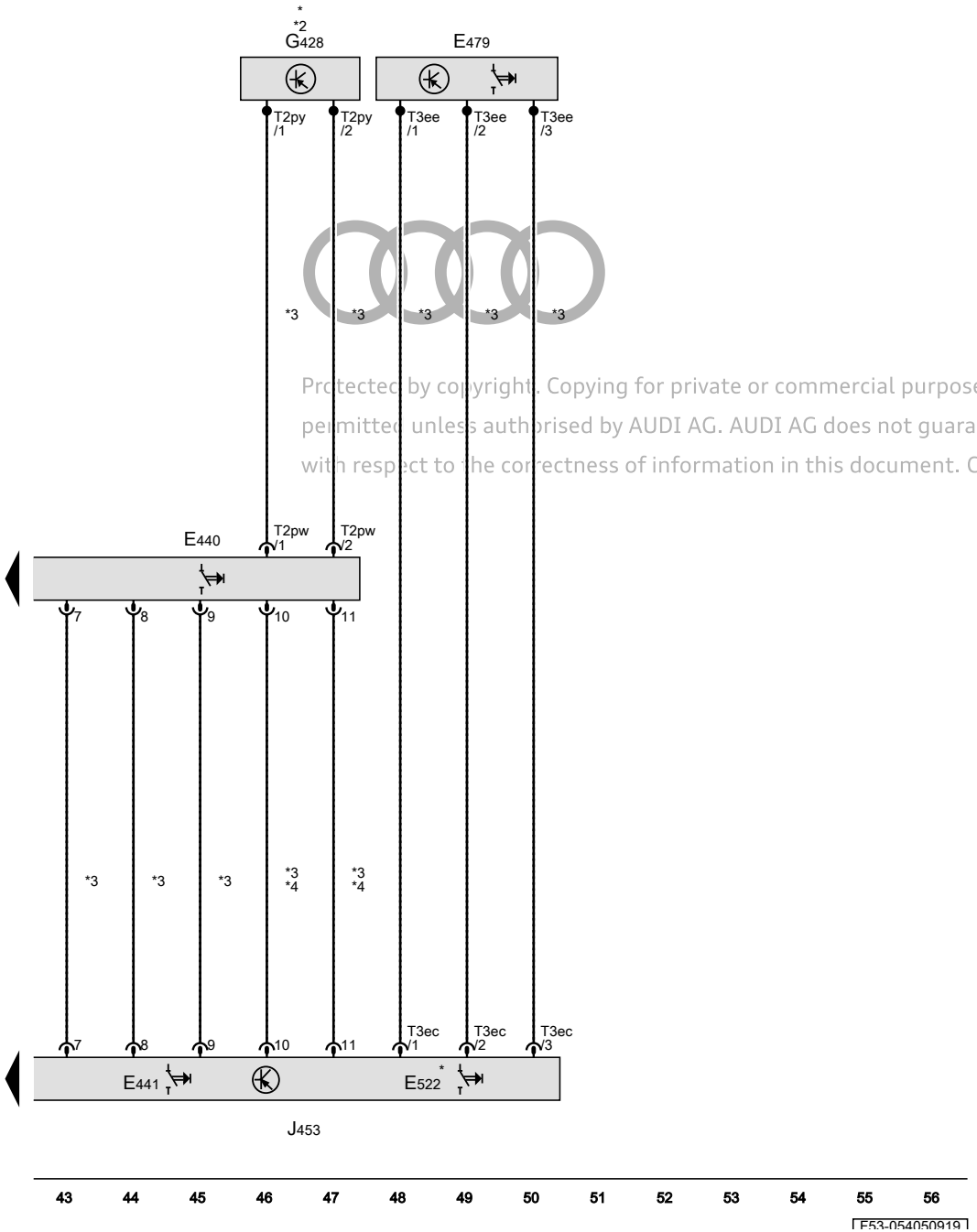

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Multifunction buttons on left in steering wheel, Multifunction buttons on right in steering wheel, Tiptronic switch (shift up), Multifunction steering wheel control unit

E440	Multifunction buttons on left in steering wheel
E441	Multifunction buttons on right in steering wheel
E479	Tiptronic switch (shift up)
E522	Steering wheel heater button
G428	Heated steering wheel sender
J453	Multifunction steering wheel control unit, in steering wheel
T2pw	2-pin connector, black
T2py	2-pin connector
T3ec	3-pin connector, black
T3ee	3-pin connector
*	For models with heated steering wheel
*2	Pre-wired component
*3	Adapter wire
*4	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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Infotainment MOST bus

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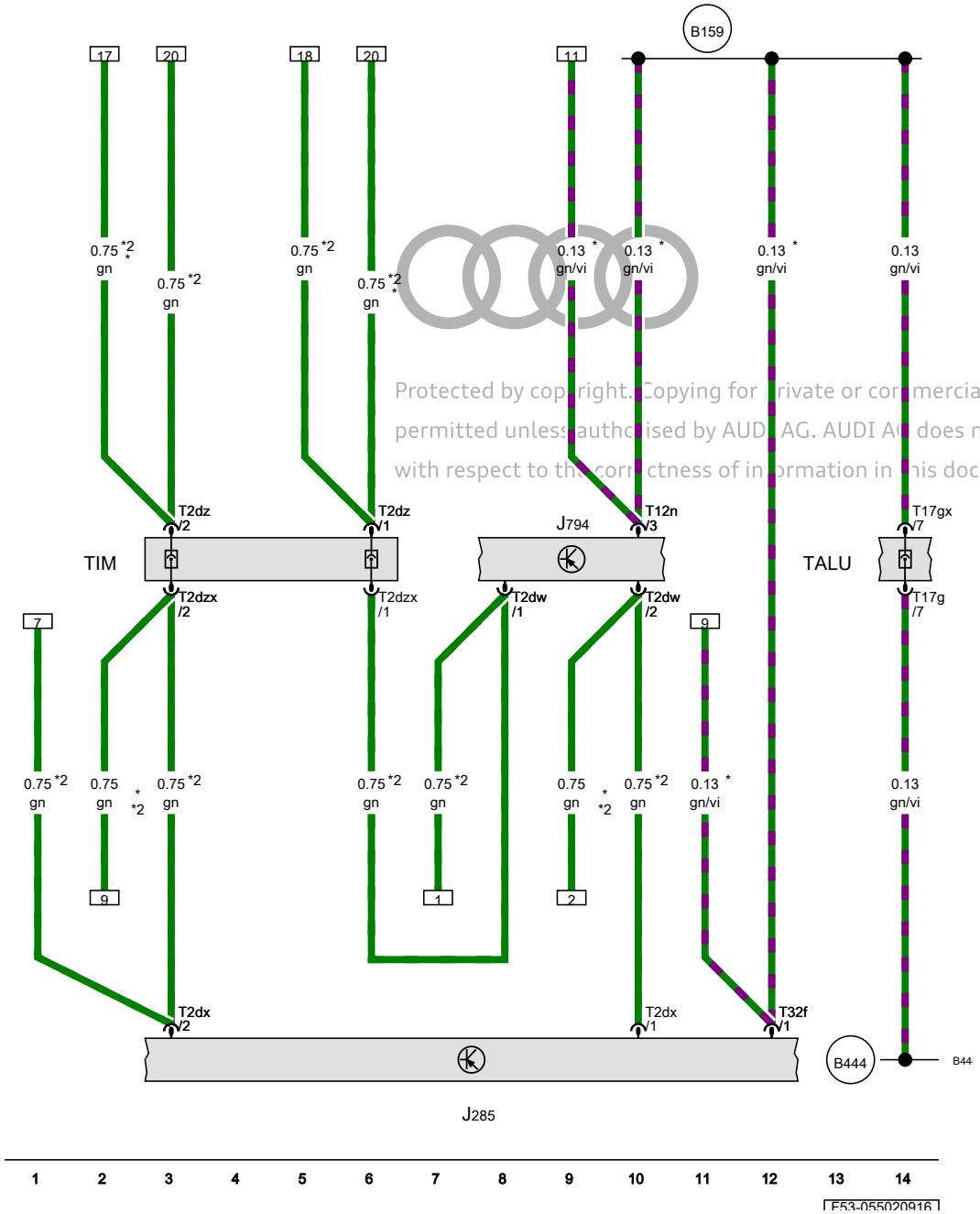

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Connection (diagnosis), in interior wiring harness, Connection 1 (diagnosis), in main wiring harness

J285	Control unit in dash panel insert
J794	Control unit 1 for information electronics
T2dw	2-pin connector, black
T2dx	2-pin connector, black
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T12n	12-pin connector, grey
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T32f	32-pin connector, grey
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
B159	Connection (diagnosis), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	According to equipment
*2	Fibre optic cable (FOC)

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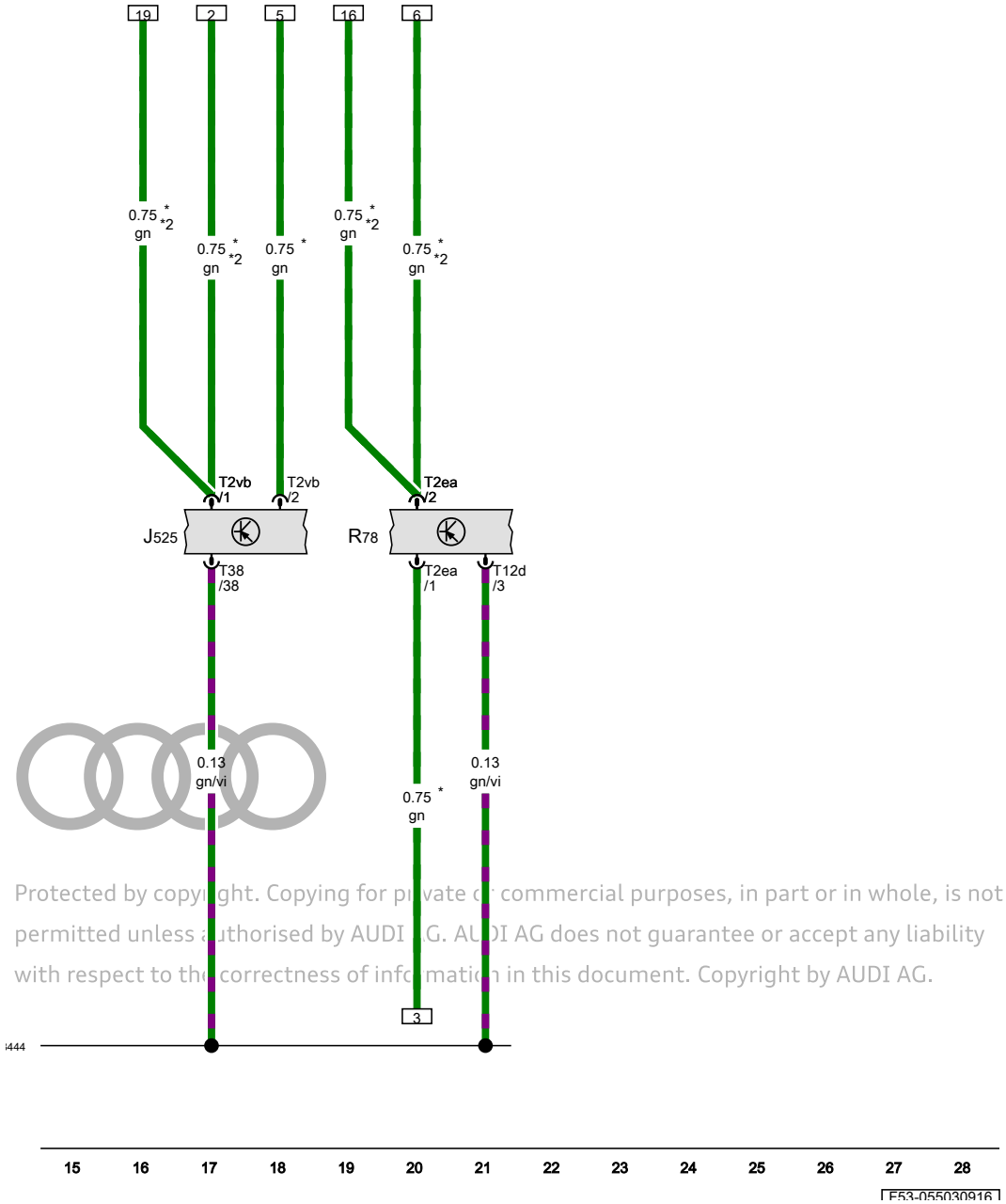

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Connection 1 (diagnosis), in main wiring harness

J525	Digital sound package control unit
R78	TV tuner
T2ea	2-pin connector, black
T2vb	2-pin connector, black
T12d	12-pin connector, black
T38	38-pin connector, black
B444	Connection 1 (diagnosis), in main wiring harness
*	Fibre optic cable (FOC)
*2	According to equipment

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2.0l petrol engine , CYMC

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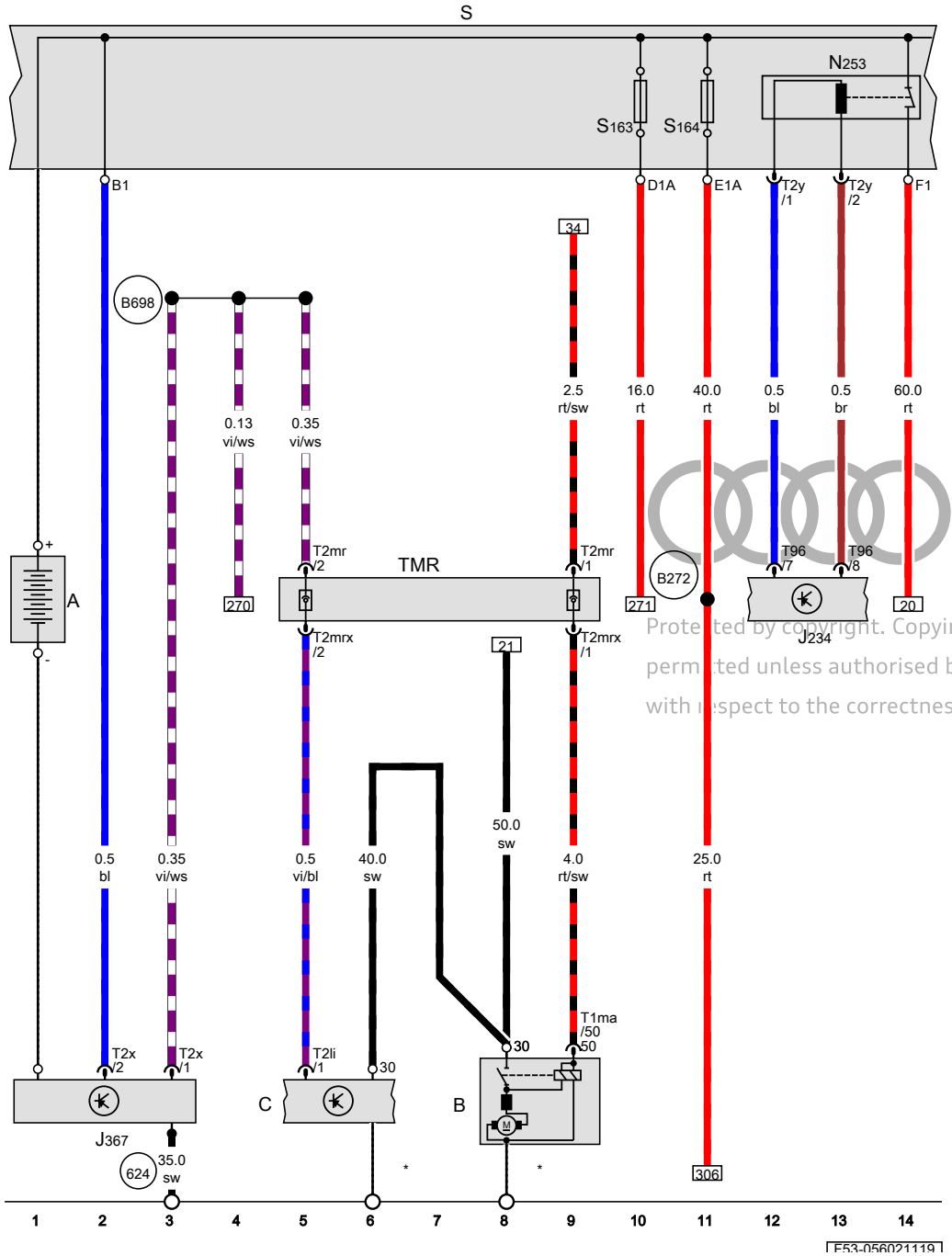

Battery, Starter, Alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C	Alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

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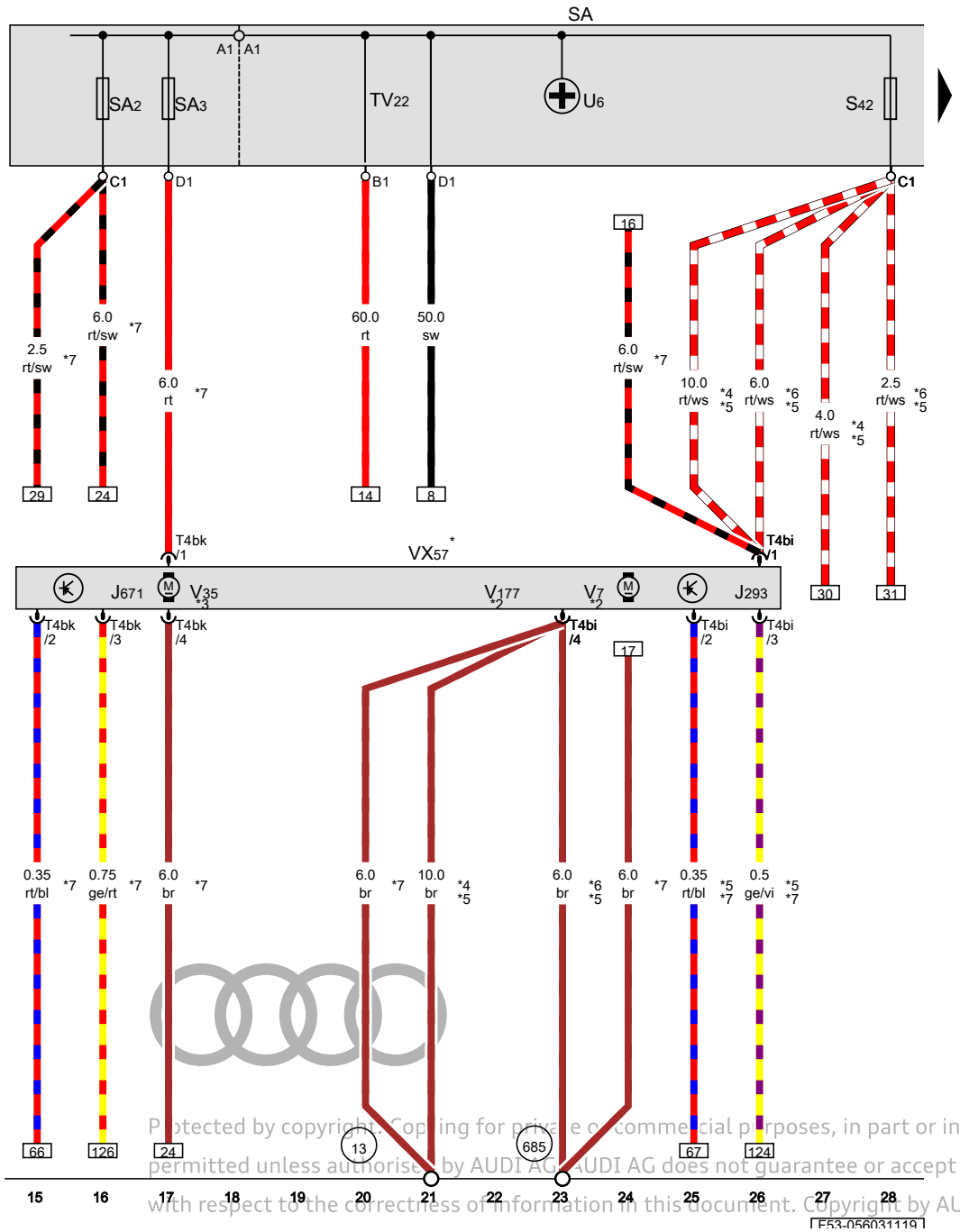

Fuse holder A, Jump start socket, Radiator fan

J293	Radiator fan control unit
J671	Radiator fan control unit 2
SA	Fuse holder A, front right in engine compartment
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
S42	Radiator fan single fuse
T4bi	4-pin connector, black
T4bk	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V7	Radiator fan
V35	Right radiator fan
VX57	Radiator fan
V177	Radiator fan 2
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
*	Pre-wired component
*2	According to equipment
*3	For models with towing bracket
*4	For models with increased fan output
*5	For models with one radiator fan
*6	For models with low fan output
*7	For models with two radiator fans

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rs	=	pink

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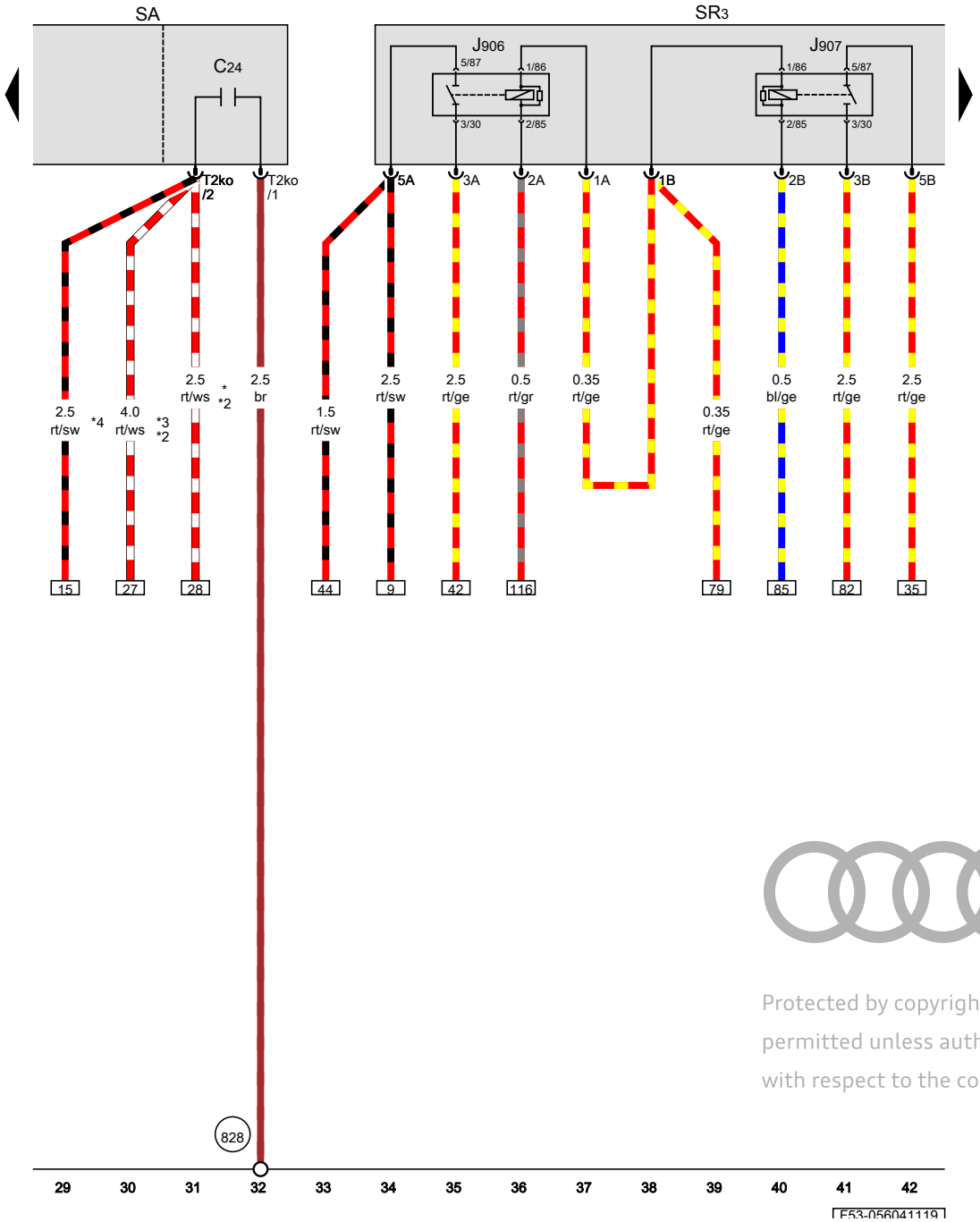

Starter relay 1, Starter relay 2, Fuse holder A, Relay and fuse carrier 3

C24	Suppression filter
J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SA	Fuse holder A, front right in engine compartment
SR3	Relay and fuse carrier 3, central in plenum chamber
T2ko	2-pin connector, black
828	Earth point on right suspension turret
*	For models with low fan output
*2	For models with one radiator fan
*3	For models with increased fan output
*4	For models with two radiator fans

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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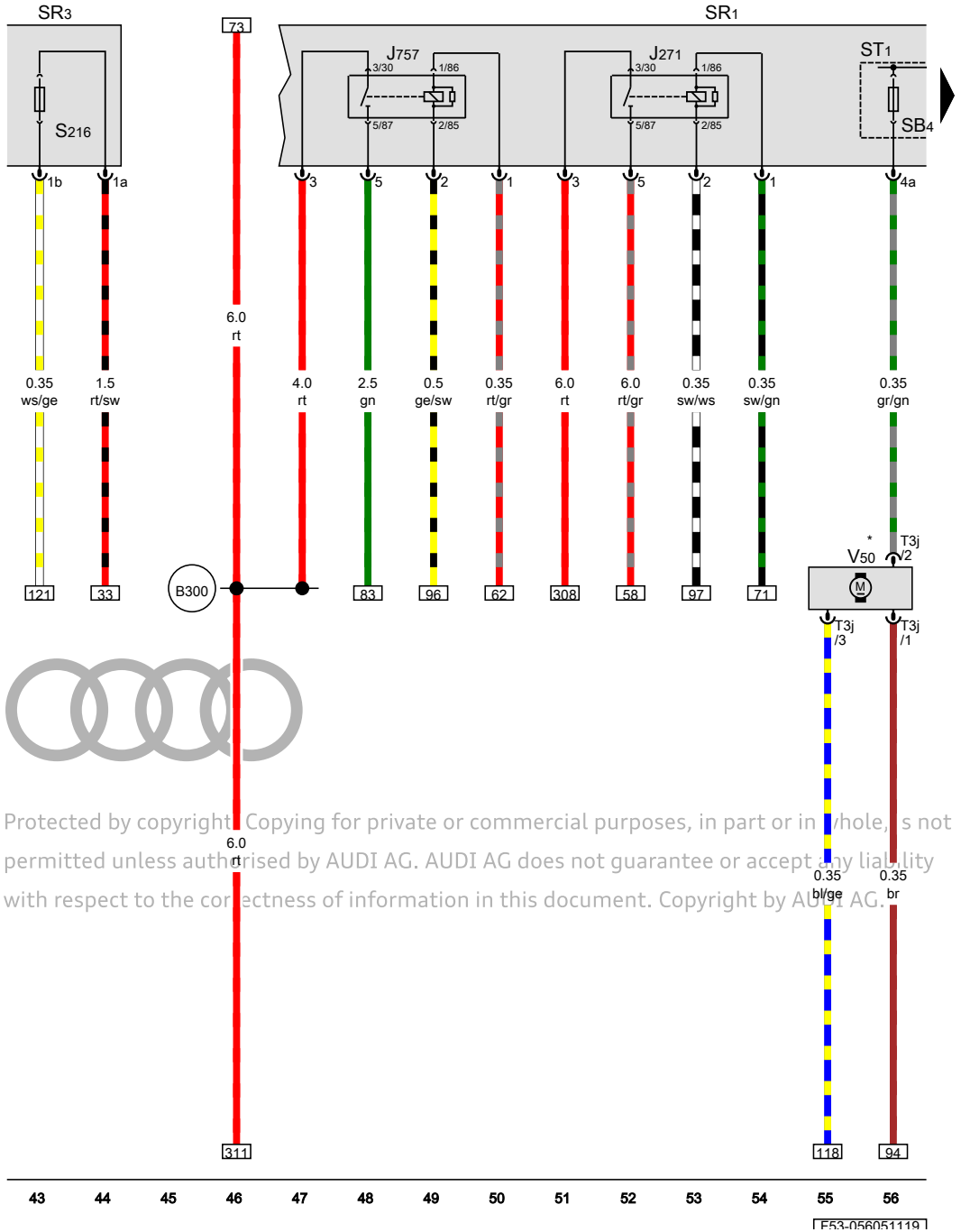

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Main relay, Engine component current supply relay, Relay and fuse carrier 1, Relay and fuse carrier 3, Fuse (50), Coolant circulation pump

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST1	Fuse carrier 1, brown
SR3	Relay and fuse carrier 3, central in plenum chamber
SB4	Fuse 4 on fuse holder B
S216	Fuse (50), central in plenum chamber
T3j	3-pin connector, black
V50	Coolant circulation pump
B300	Positive connection 4 (30), in main wiring harness
*	Heater support function

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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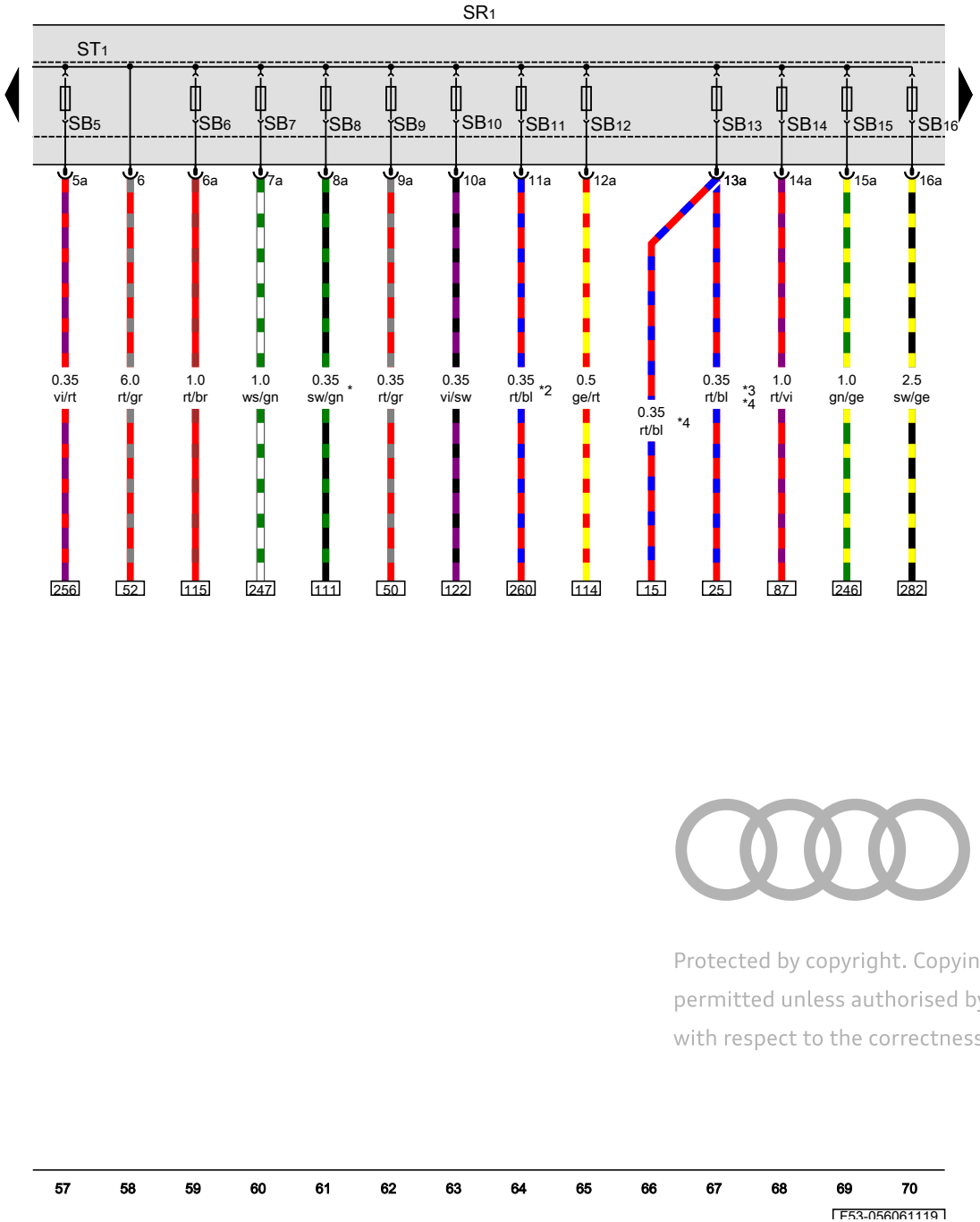

Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
*	For models with automatic gearbox
*2	For models with manual gearbox
*3	For models with one radiator fan
*4	For models with two radiator fans

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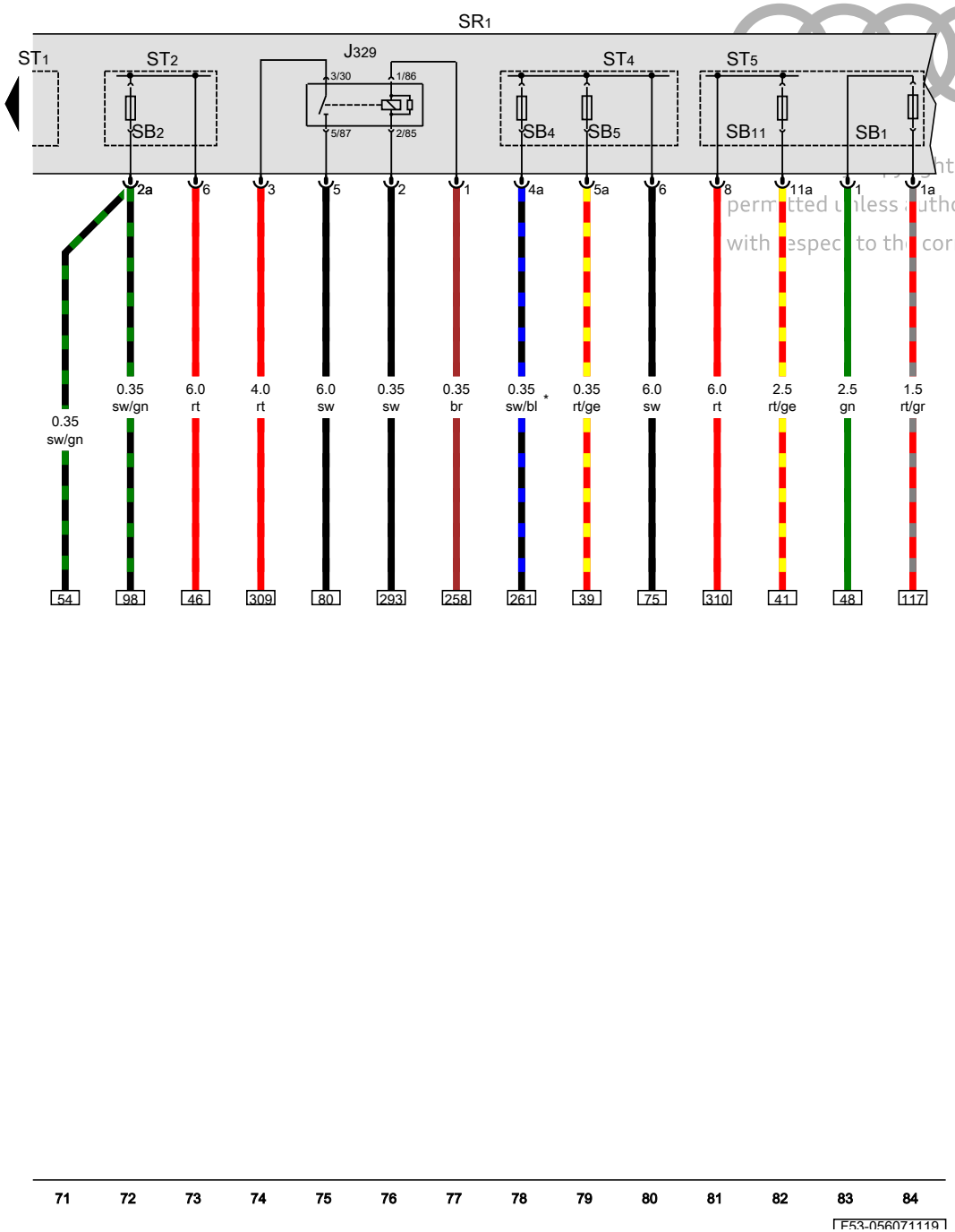

Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
ST1	Fuse carrier 1, brown
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
SB4	Fuse 4 on fuse holder B
ST4	Fuse carrier 4, black
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5, red
SB11	Fuse 11 on fuse holder B
*	For models with manual gearbox

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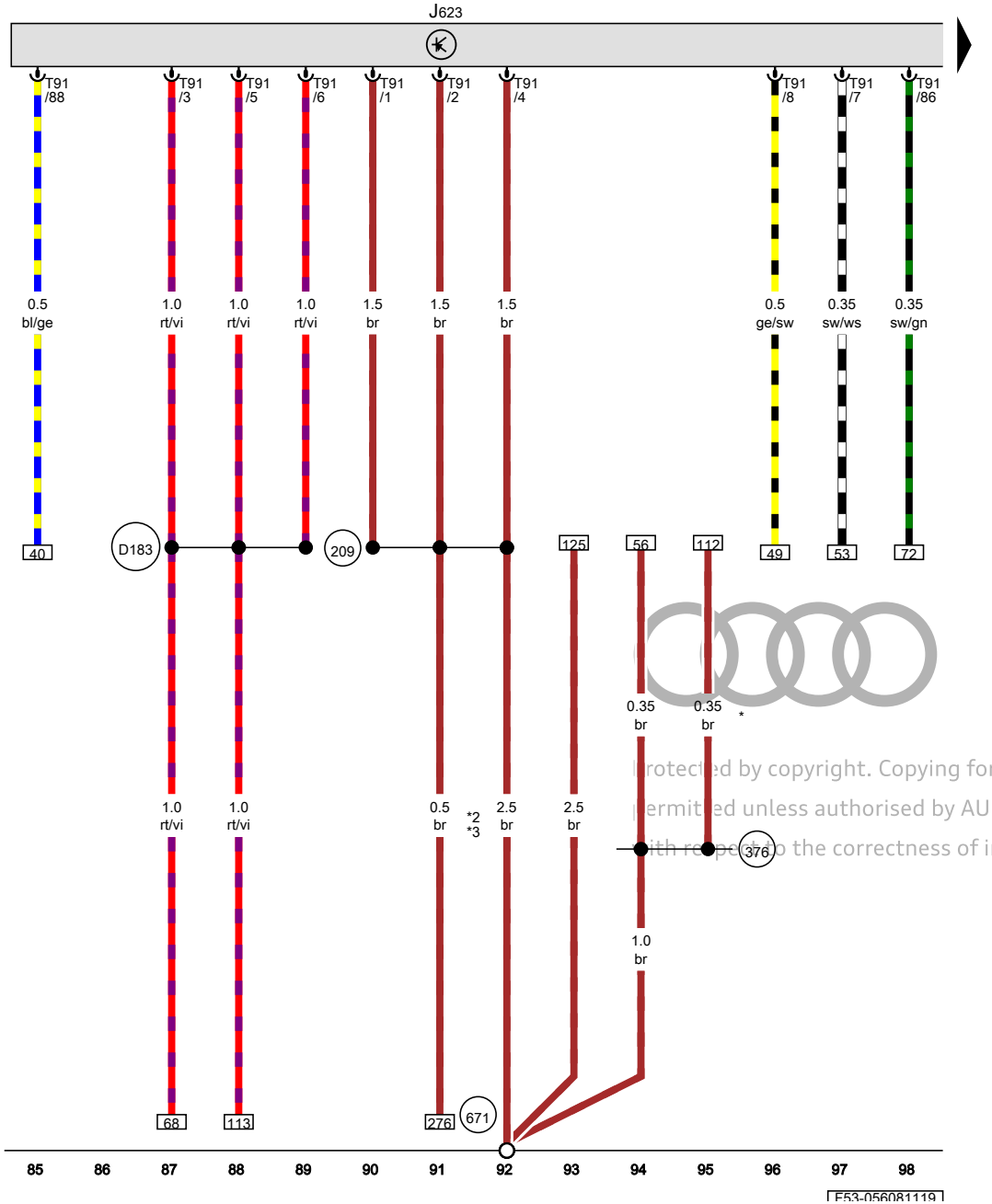

Engine/motor control unit

J623	Engine/motor control unit, front left in engine compartment
T91	91-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
*	For models with automatic gearbox
*2	gradual introduction
*3	For Cabriolet models

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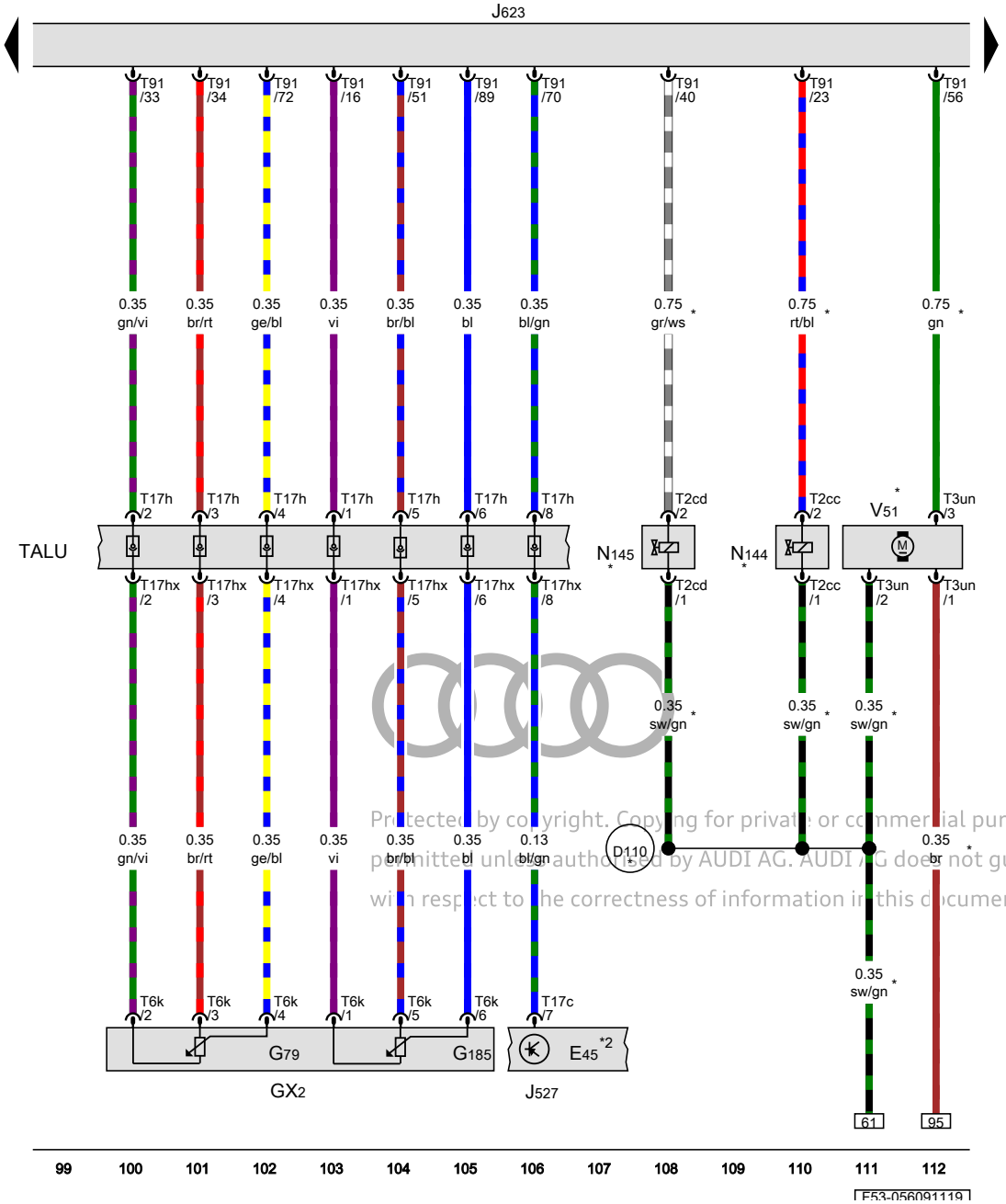

Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve, Continued coolant circulation pump

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T3un	3-pin connector, black
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
V51	Continued coolant circulation pump
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	For models with cruise control system (CCS)

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
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bl	=	blue
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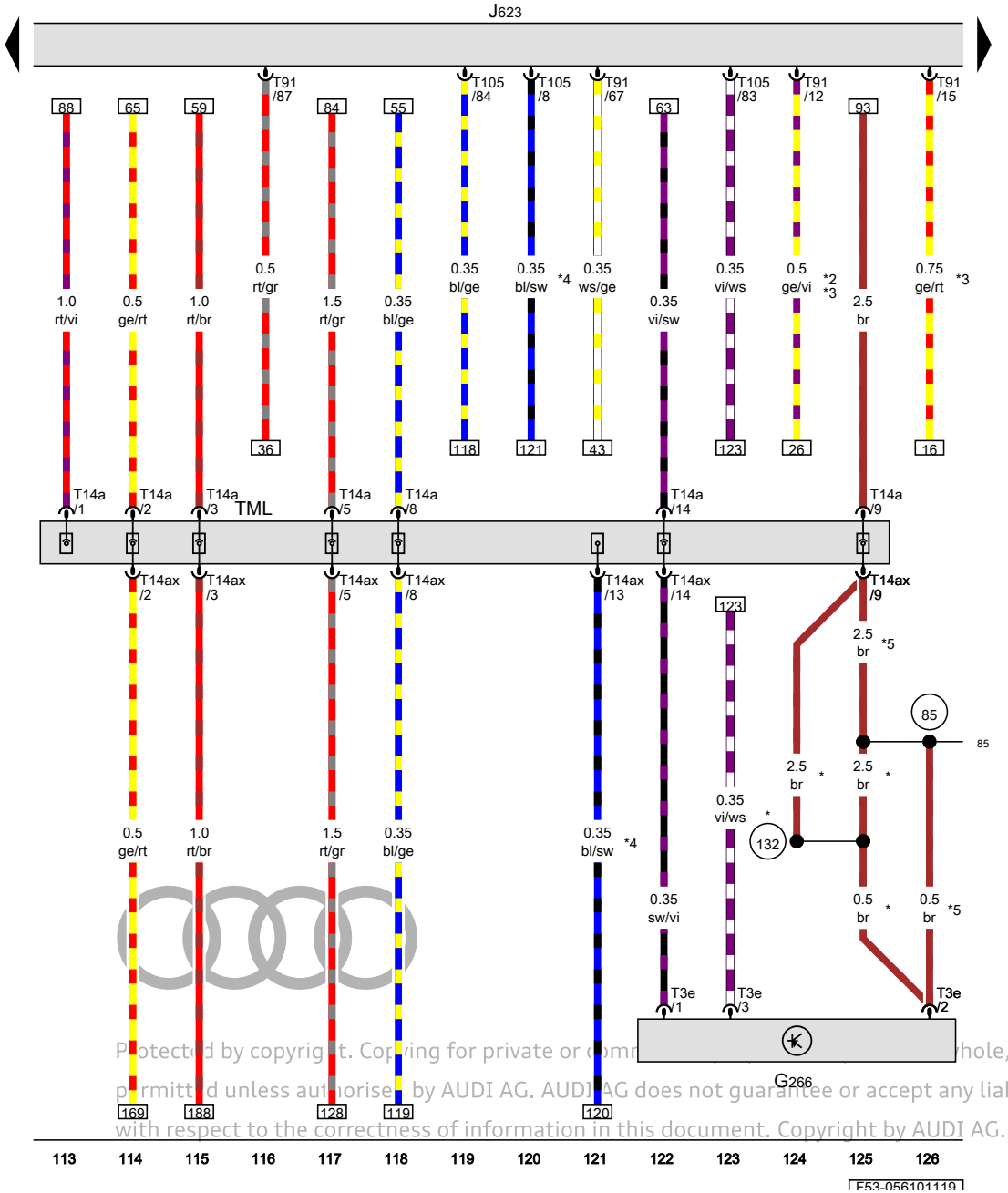

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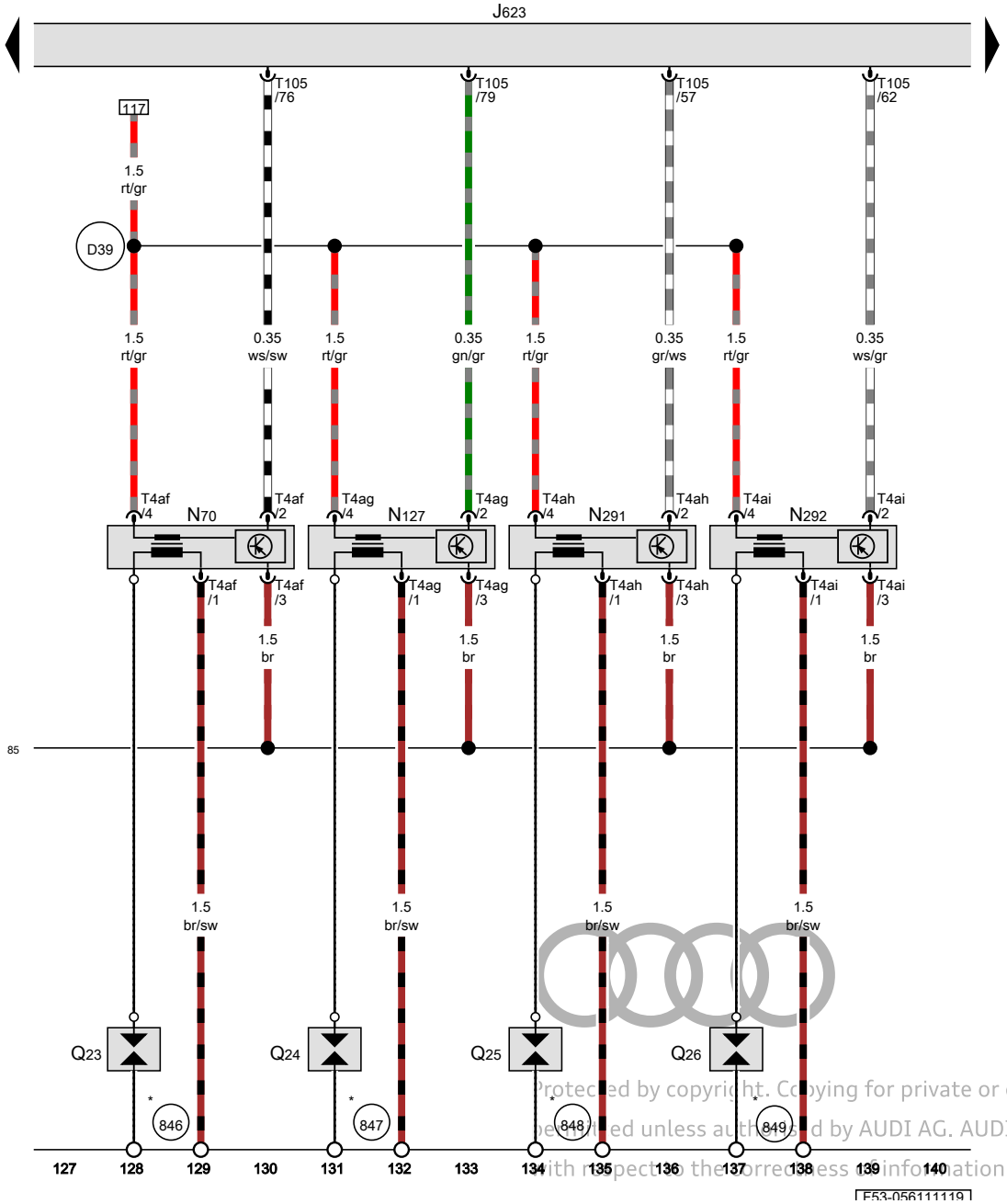
rs = pink

Oil level and oil temperature sender, Engine/motor control unit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
*	Gradually discontinued
*2	For models with one radiator fan
*3	For models with two radiator fans
*4	According to equipment
*5	gradual introduction



Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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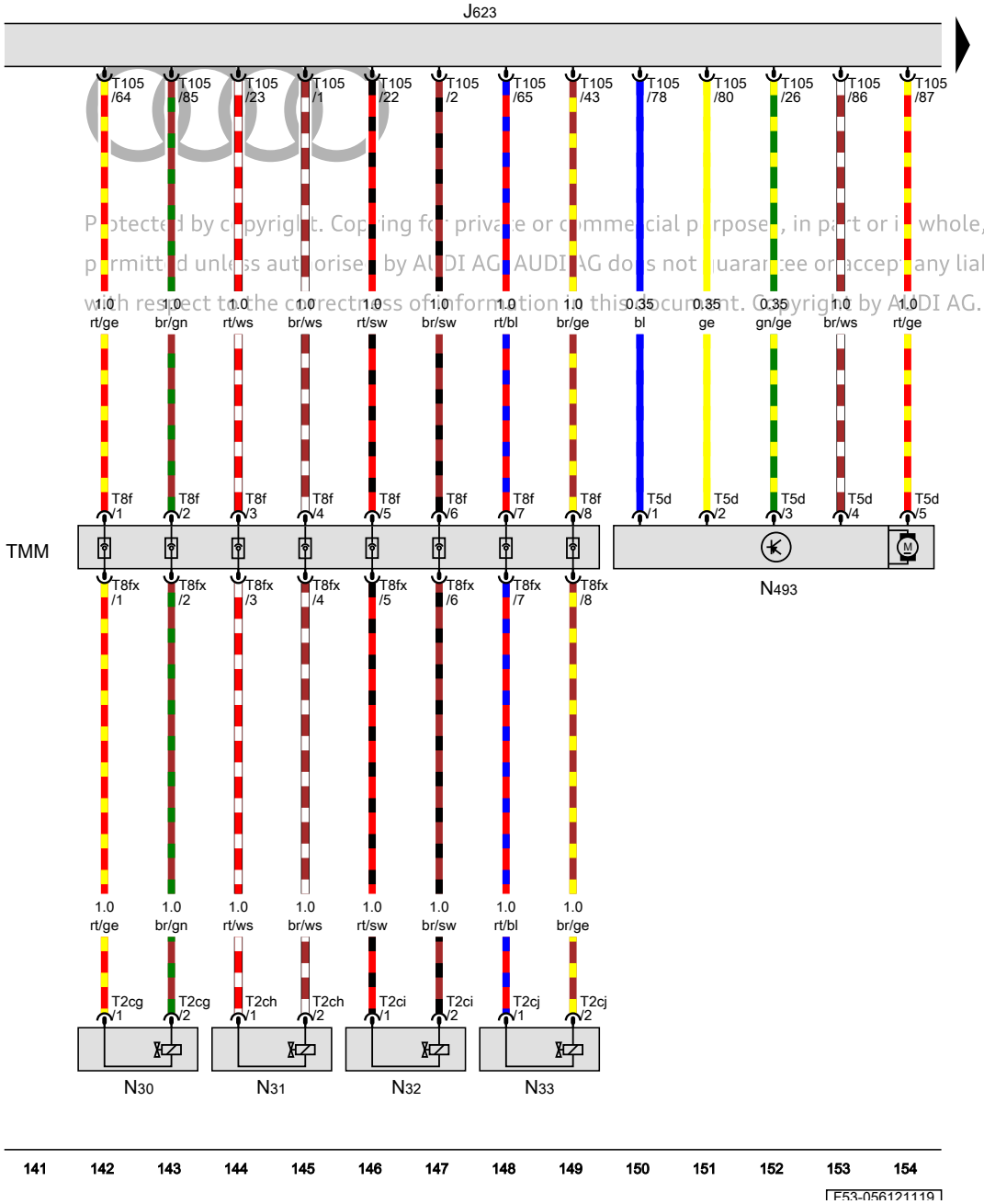

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Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Actuator for engine temperature regulation

J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N493	Actuator for engine temperature regulation
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T5d	5-pin connector, black
T8f	8-pin connector, black
T8fx	8-pin connector, black
T105	105-pin connector, black
TMM	Coupling point in engine compartment, centre

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
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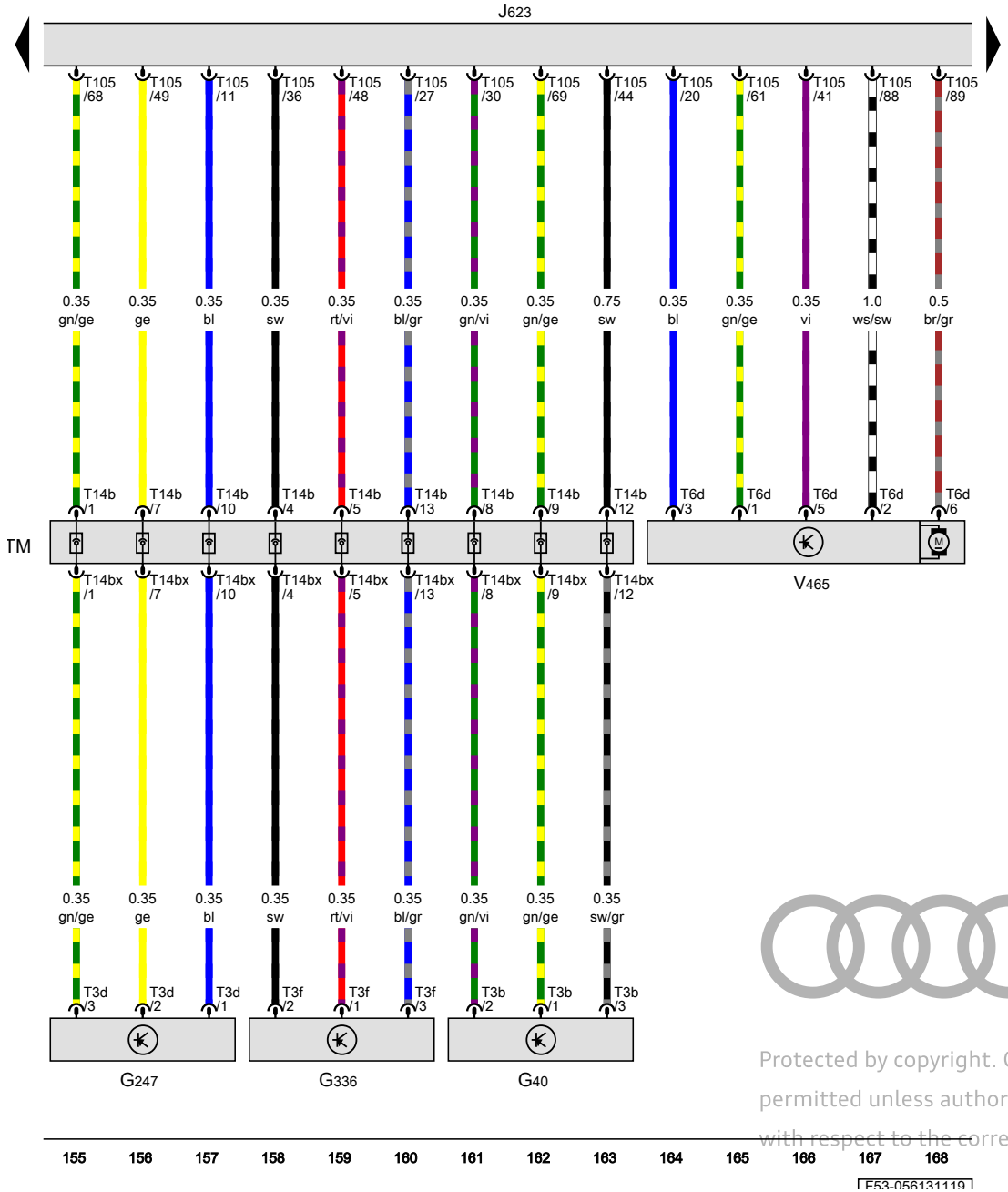

Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine/motor control unit, Charge pressure positioner

G40	Hall sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
J623	Engine/motor control unit, front left in engine compartment
T3b	3-pin connector, black
T3d	3-pin connector, black
T3f	3-pin connector, black
T6d	6-pin connector, grey
T14b	14-pin connector, black
T14bx	14-pin connector, black
T105	105-pin connector, black
TM	Coupling point in engine compartment
V465	Charge pressure positioner

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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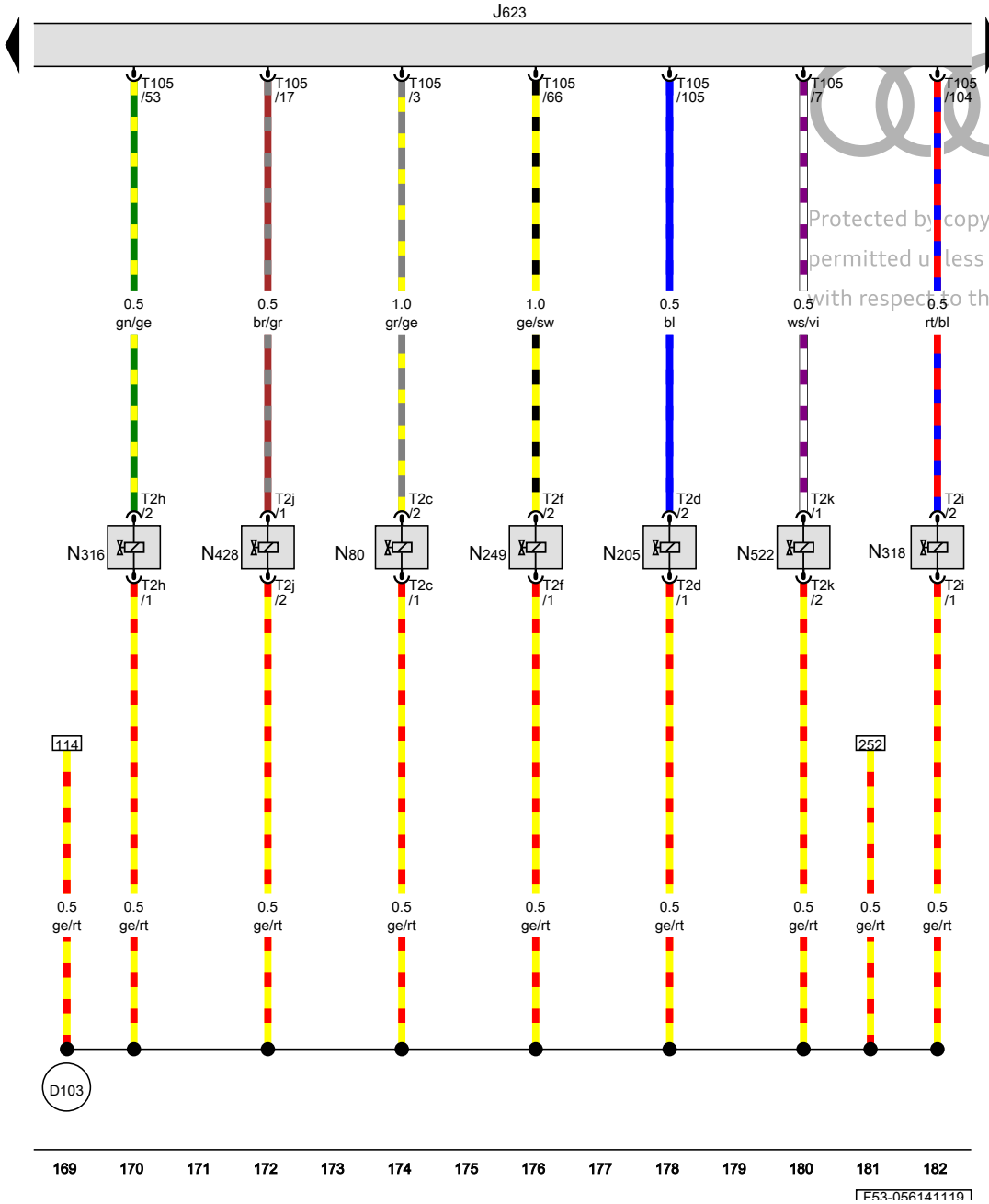

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Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control, Piston cooling jet control valve

J623	Engine/motor control unit, front left in engine compartment
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
N522	Piston cooling jet control valve
T2c	2-pin connector, black
T2d	2-pin connector, black
T2f	2-pin connector, brown
T2h	2-pin connector, black
T2i	2-pin connector, black
T2j	2-pin connector, black
T2k	2-pin connector, black
T105	105-pin connector, black
D103	Connection 3 in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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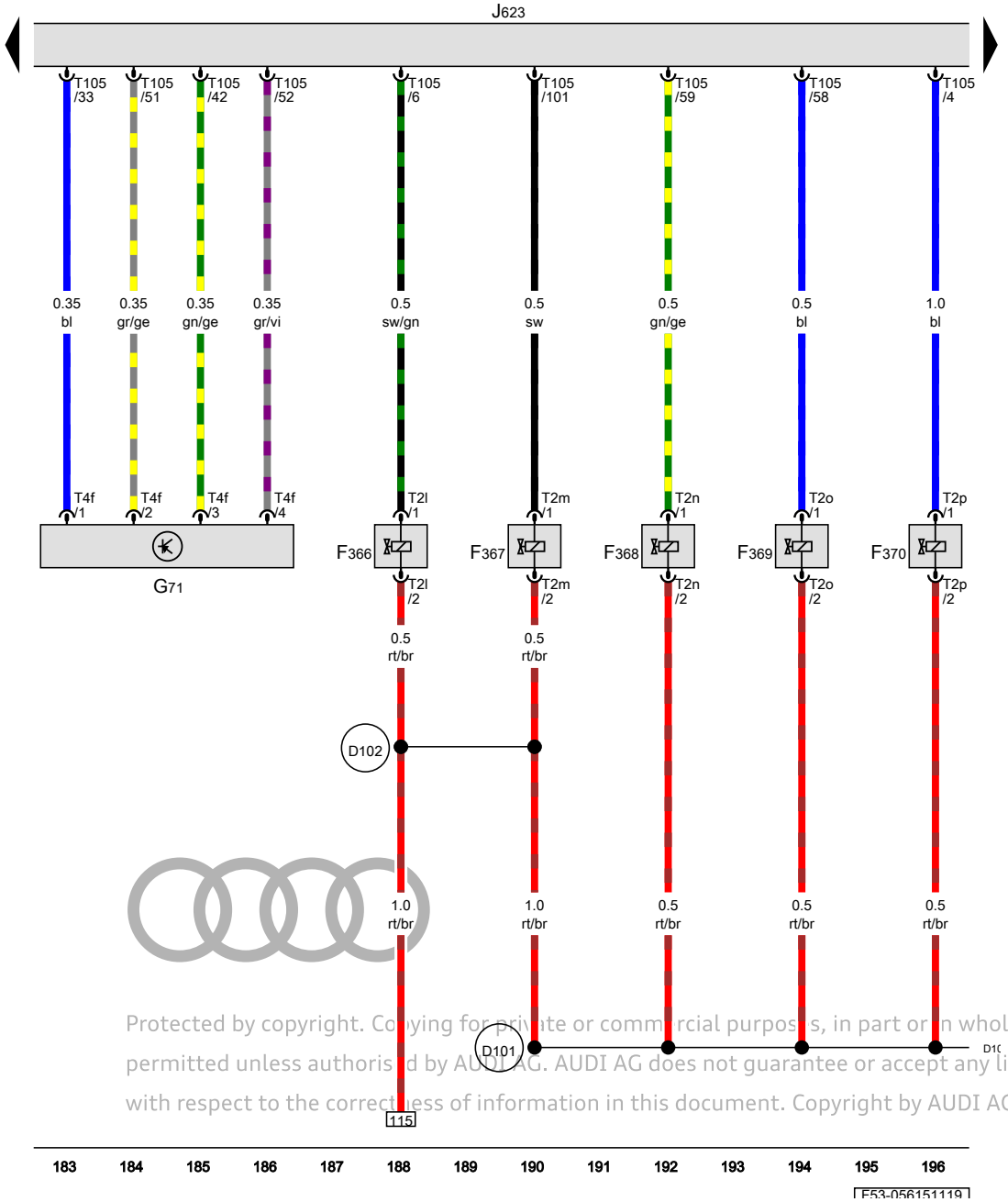

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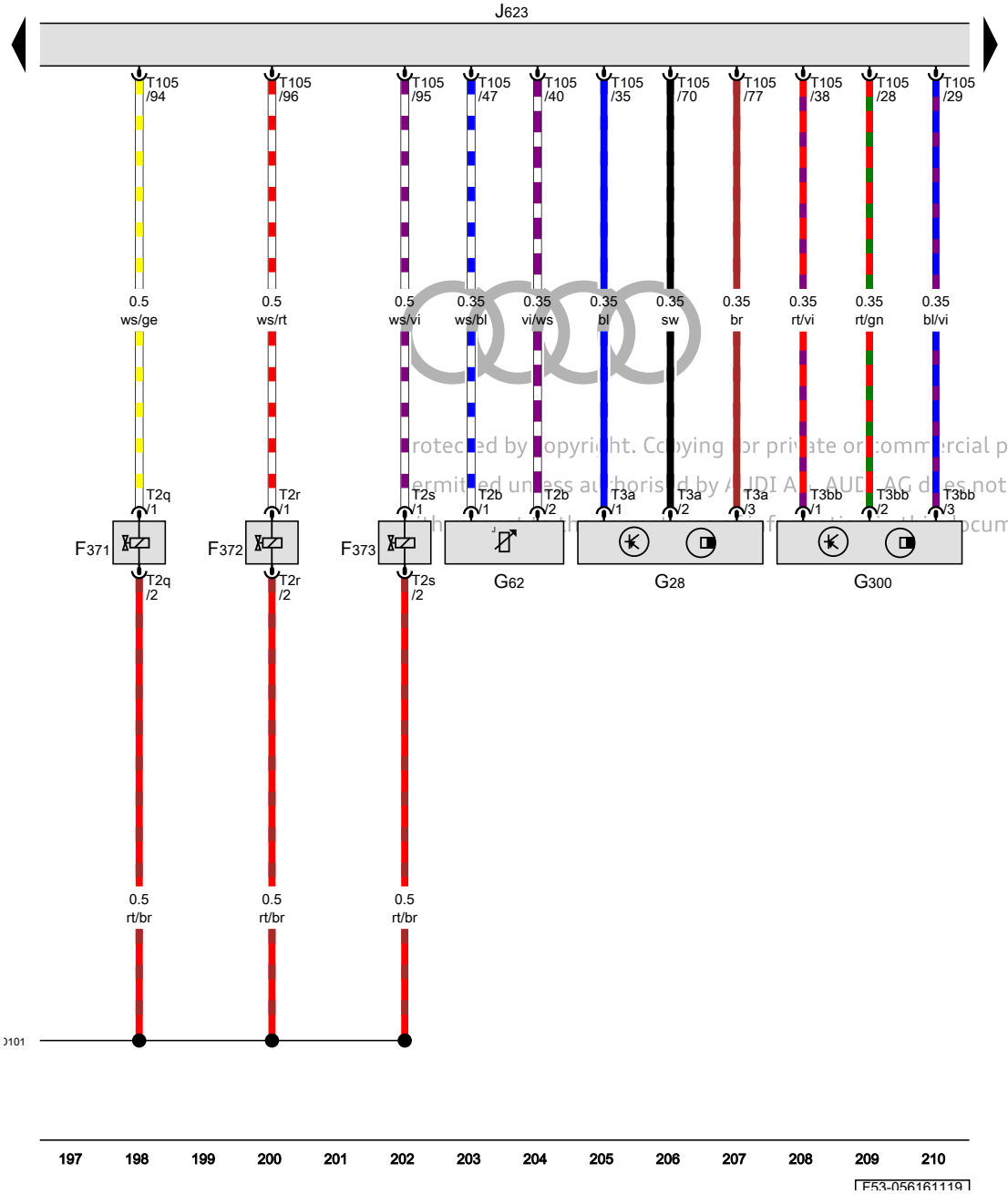
Cam adjustment actuator 1, Cam adjustment actuator 2, Cam adjustment actuator 3, Cam adjustment actuator 4, Cam adjustment actuator 5, Intake manifold pressure sender, Engine/motor control unit

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F370	Cam adjustment actuator 5
G71	Intake manifold pressure sender
J623	Engine/motor control unit, front left in engine compartment
T2l	2-pin connector, black
T2m	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2p	2-pin connector, black
T4f	4-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness



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Cam adjustment actuator 6, Cam adjustment actuator 7, Cam adjustment actuator 8, Engine speed sender, Coolant temperature sender, Hall sender 3, Engine/motor control unit

F371	Cam adjustment actuator 6
F372	Cam adjustment actuator 7
F373	Cam adjustment actuator 8
G28	Engine speed sender
G62	Coolant temperature sender
G300	Hall sender 3
J623	Engine/motor control unit, front left in engine compartment
T2b	2-pin connector, black
T2q	2-pin connector, black
T2r	2-pin connector, black
T2s	2-pin connector, black
T3a	3-pin connector, black
T3bb	3-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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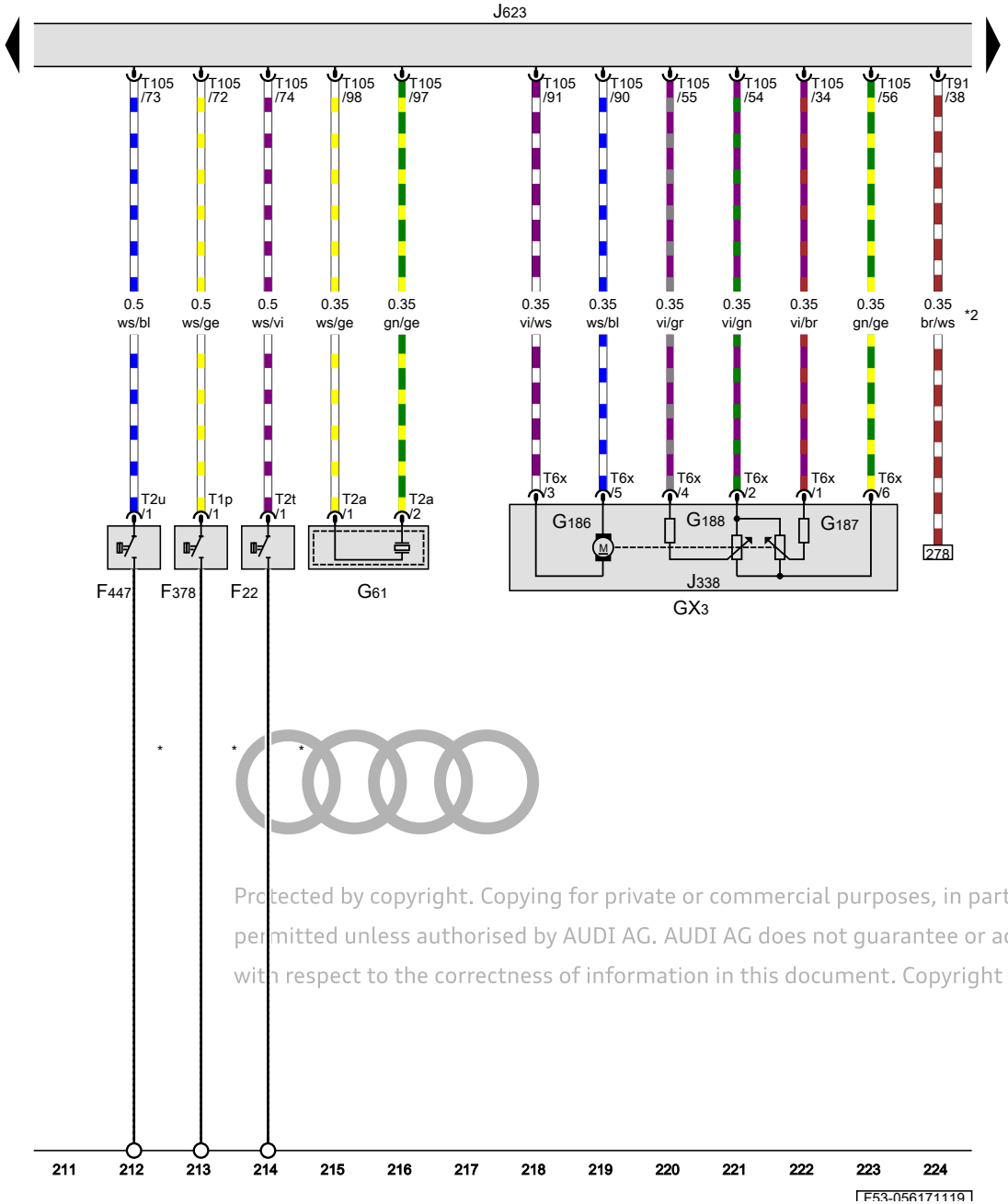

Oil pressure switch, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Throttle valve module, Knock sensor 1, Engine/motor control unit

F22	Oil pressure switch
F378	Oil pressure switch for reduced oil pressure
F447	Stage 3 oil pressure switch
GX3	Throttle valve module
G61	Knock sensor 1
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T1p	1-pin connector, black
T2a	2-pin connector, black
T2t	2-pin connector, black
T2u	2-pin connector, black
T6x	6-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
*	Earth supply via housing
*2	Gradually discontinued

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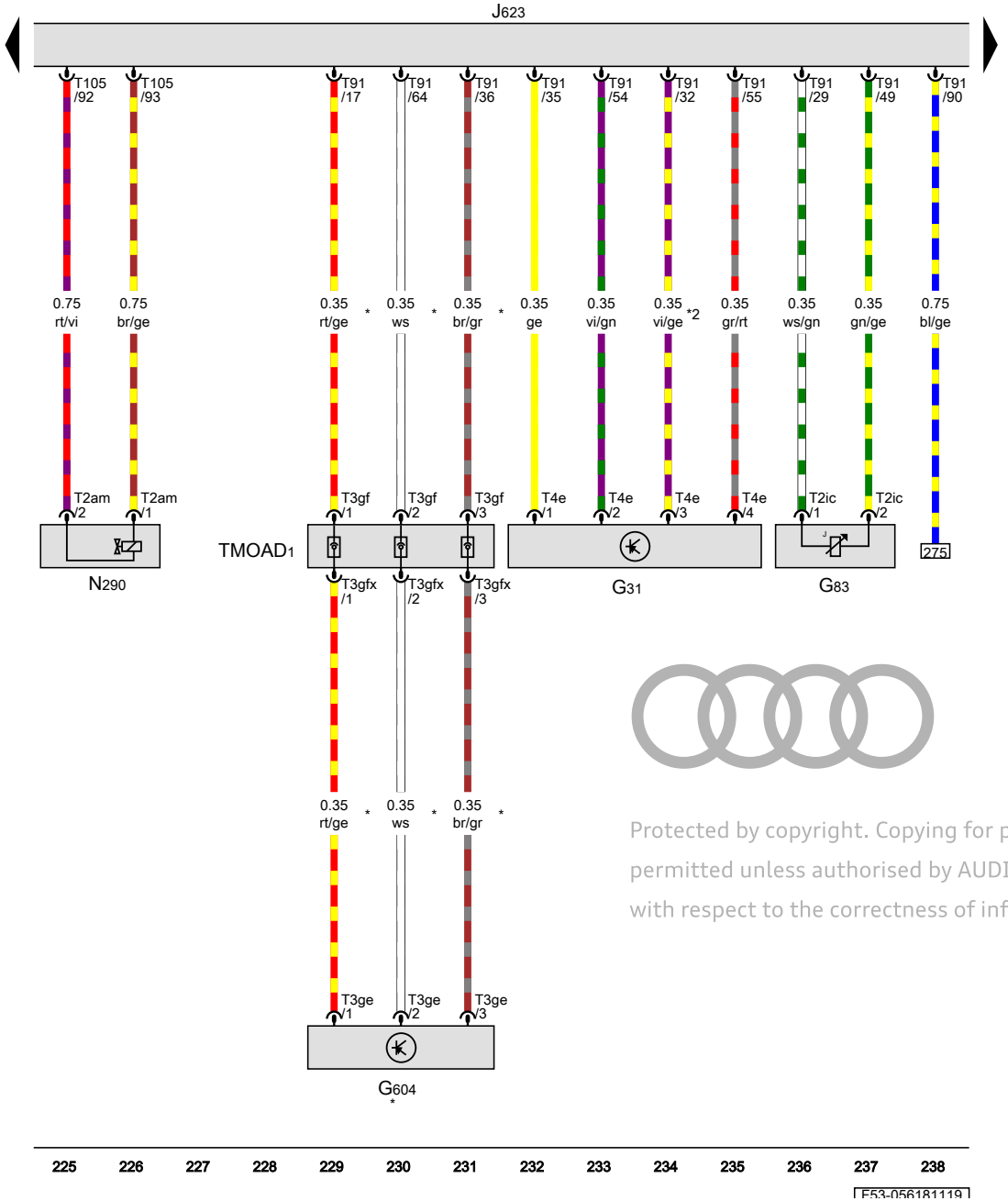

Charge pressure sender, Radiator outlet coolant temperature sender, Gear detection sensor, Engine/motor control unit, Fuel metering valve

G31	Charge pressure sender
G83	Radiator outlet coolant temperature sender
G604	Gear detection sensor
J623	Engine/motor control unit, front left in engine compartment
N290	Fuel metering valve
T2am	2-pin connector, black
T2ic	2-pin connector, black
T3ge	3-pin connector, black, brown
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
T4e	4-pin connector, black
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T91	91-pin connector, black
T105	105-pin connector, black
*	For models with manual gearbox
*2	Different wire colour possible

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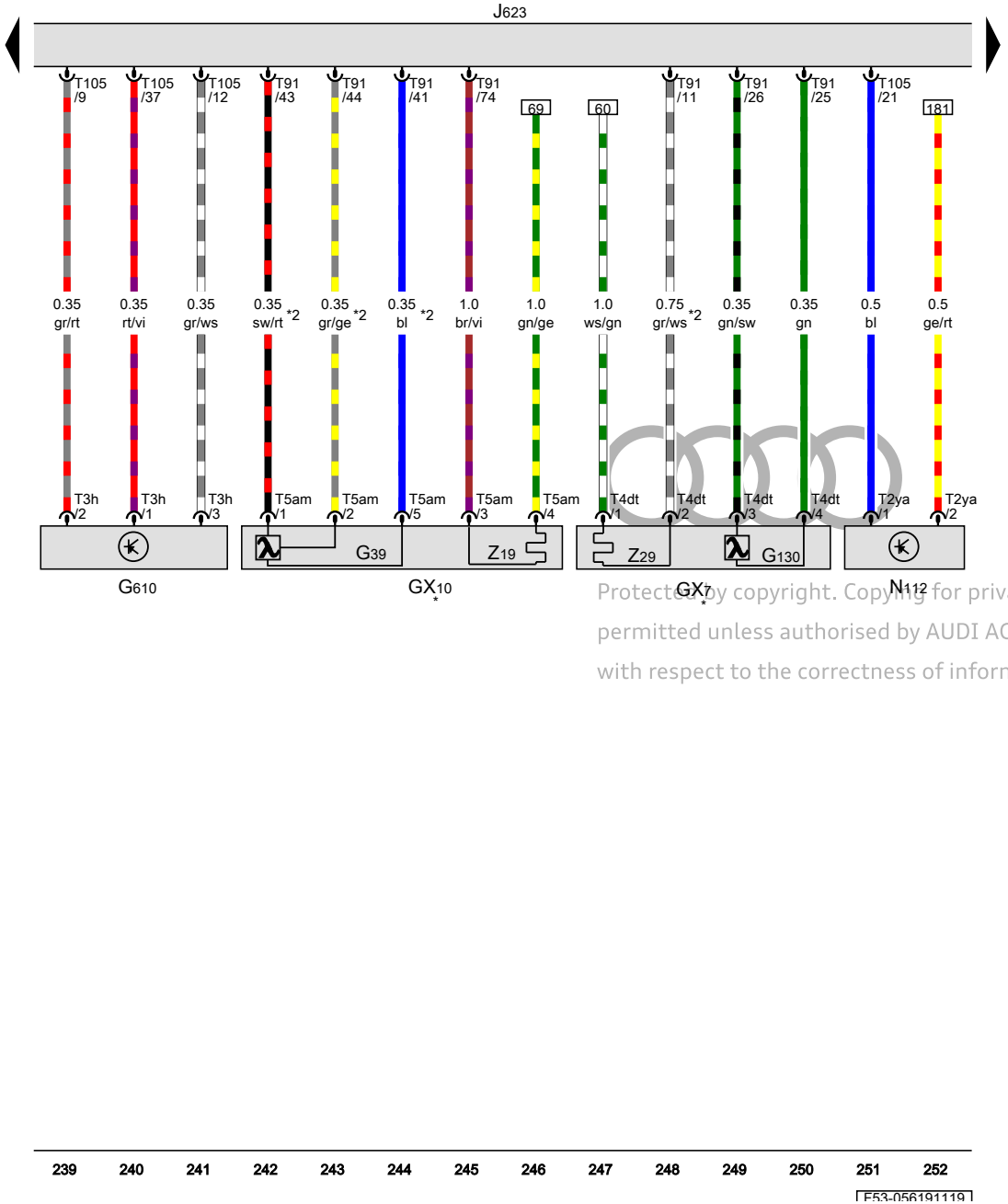

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Sender 2 for secondary air pressure, Engine/motor control unit, Secondary air inlet valve, Lambda probe heater, Lambda probe 1 heater after catalytic converter

GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G130	Lambda probe after catalytic converter
G610	Sender 2 for secondary air pressure
J623	Engine/motor control unit, front left in engine compartment
N112	Secondary air inlet valve
T2ya	2-pin connector, black
T3h	3-pin connector, black
T4dt	4-pin connector, black
T5am	5-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
*	Pre-wired component
*2	Different wire colour possible

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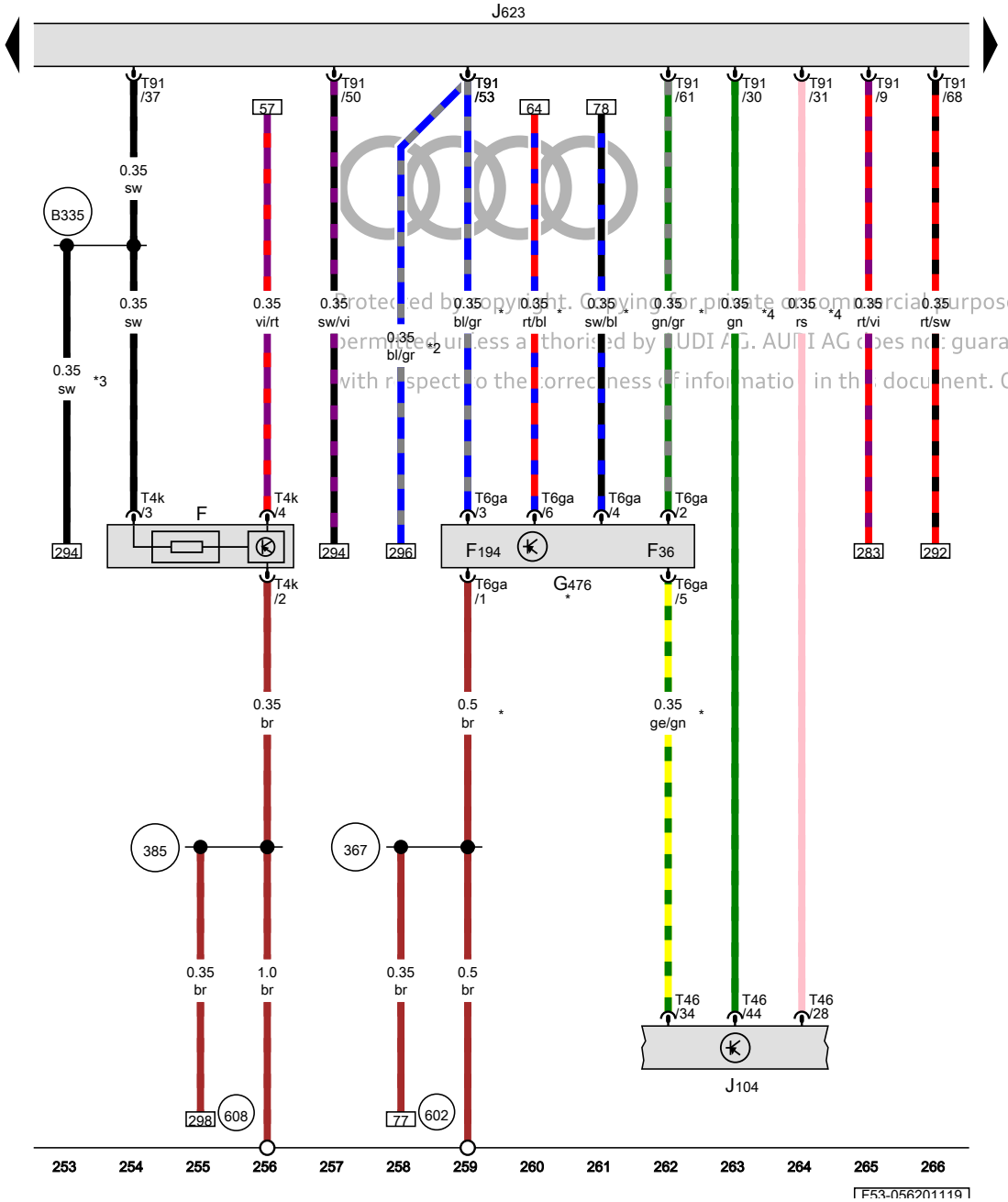
or	=	orange
rs	=	pink



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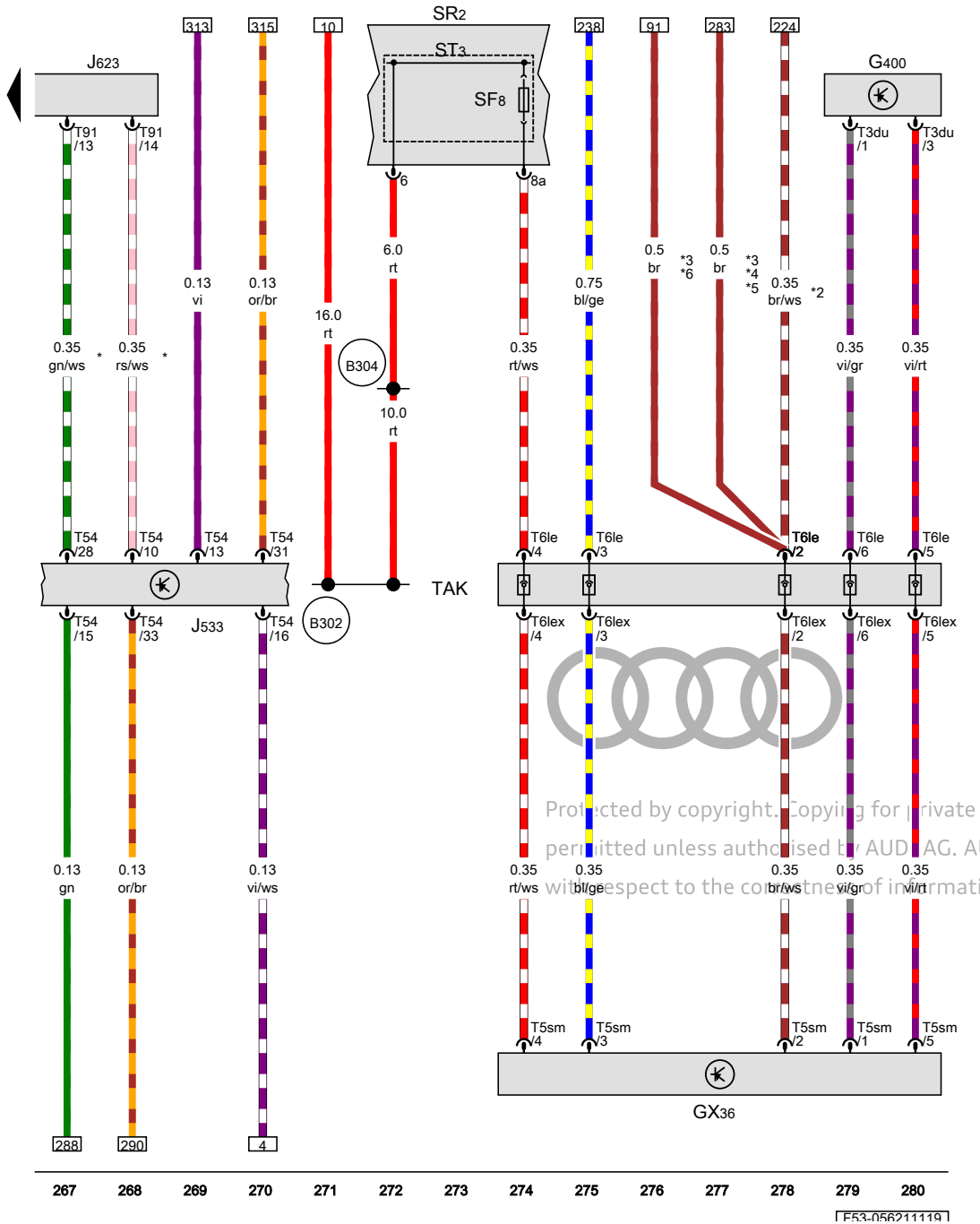
Brake light switch, Clutch pedal switch, Clutch pedal switch for engine start, Clutch position sender, Engine/motor control unit

F	Brake light switch, on brake servo
F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
G476	Clutch position sender
J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
T4k	4-pin connector, black
T6ga	6-pin connector, black
T46	46-pin connector, black
T91	91-pin connector, black
367	Earth connection 2, in main wiring harness
385	Earth connection 20, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
*	For models with manual gearbox
*2	For models with automatic gearbox
*3	Cross section depends on equipment
*4	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuel tank leak detection module, Tank pressure sensor, Data bus diagnostic interface, Engine/motor control unit, Relay and fuse carrier 2

GX36	Fuel tank leak detection module, near fuel tank
G400	Tank pressure sensor, near fuel tank
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
ST3	Fuse carrier 3, brown
SF8	Fuse 8 in fuse holder F
T3du	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T54	54-pin connector, black
T91	91-pin connector, black
TAK	Coupling point for fuel tank, near fuel tank
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	Data bus wire (FlexRay bus)
*2	Gradually discontinued
*3	gradual introduction
*4	Coupé
*5	Sportback
*6	For Cabriolet models

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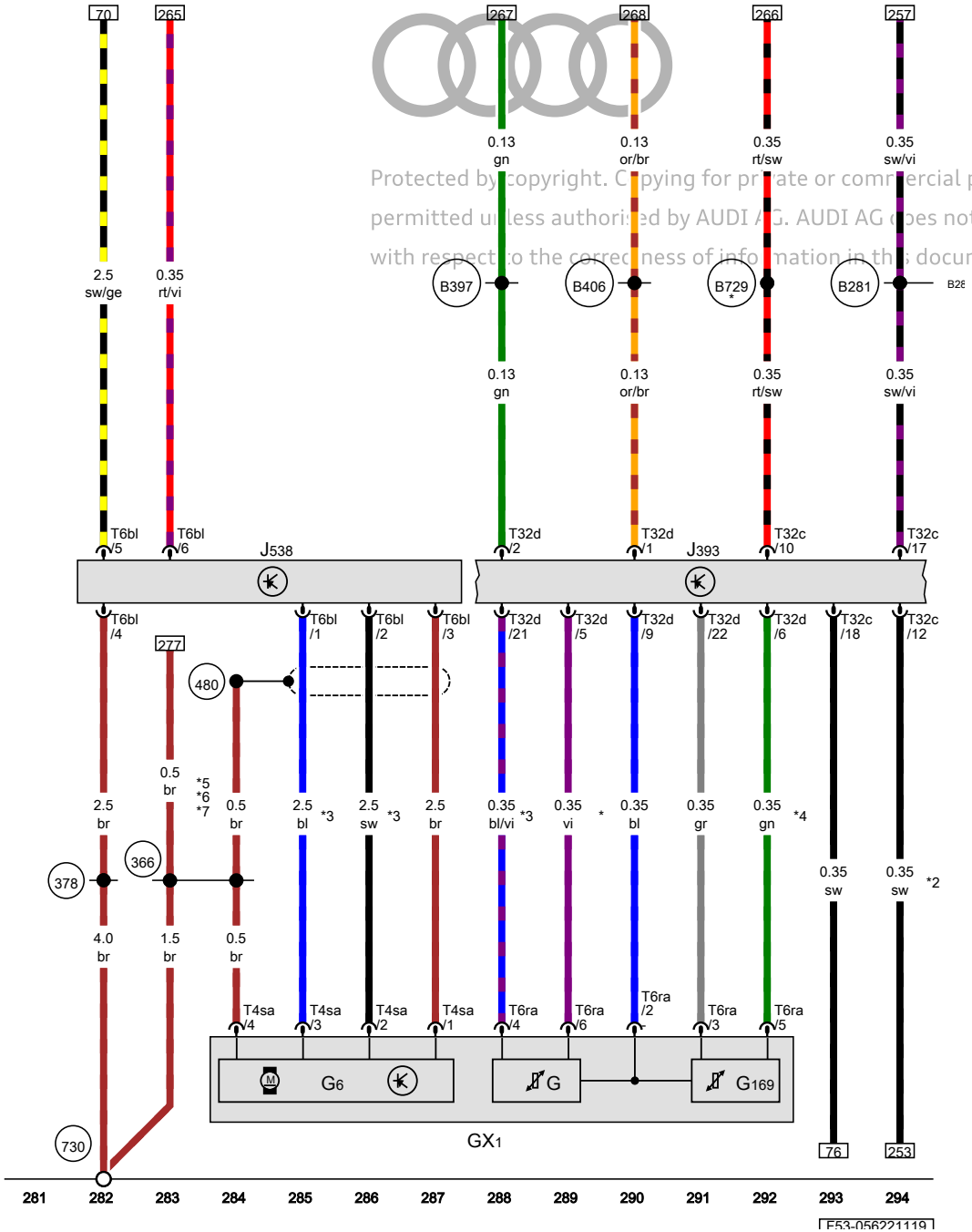

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ro = red
rt = red
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bl = blue
gr = grey
li = purple
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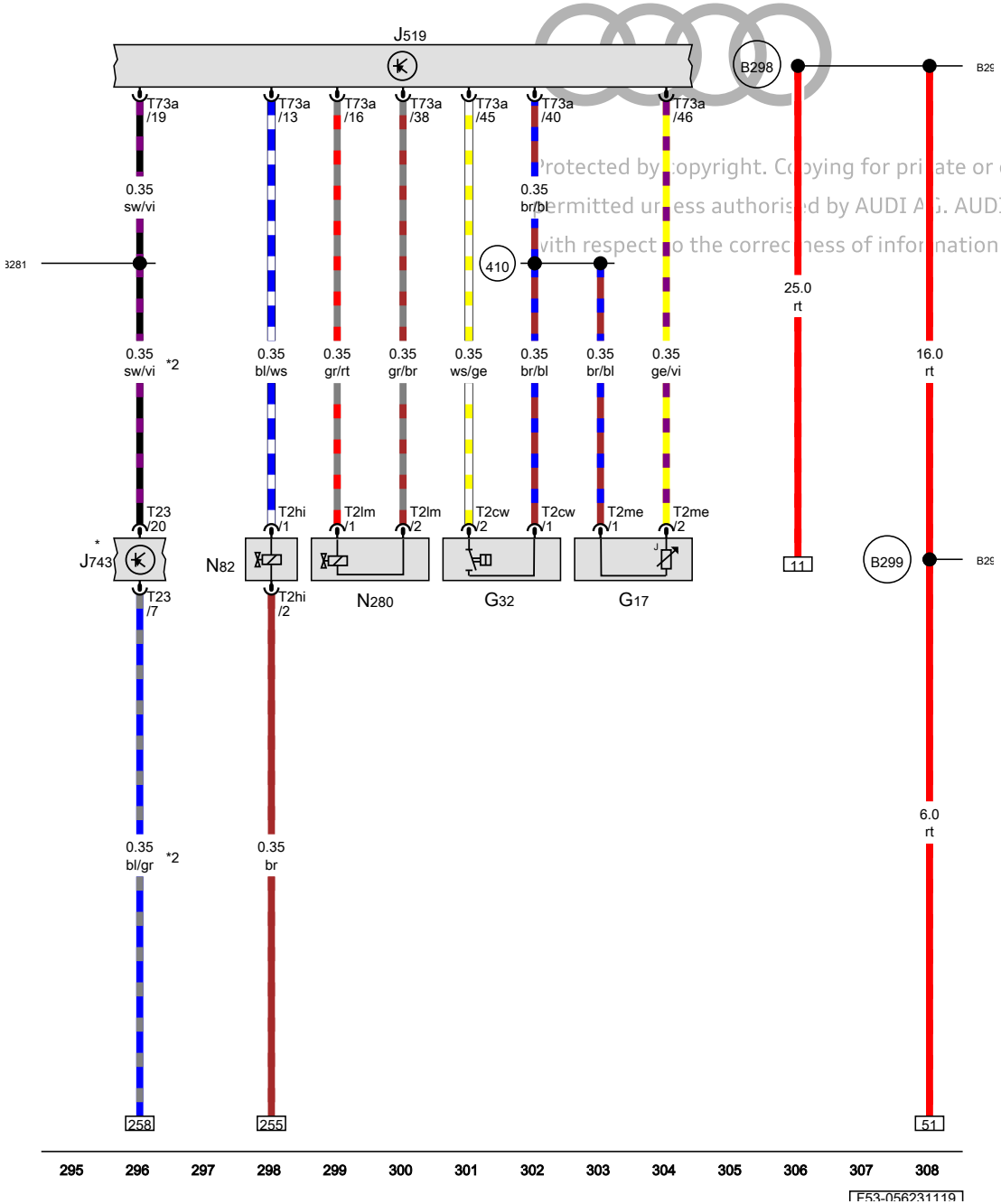
or = orange
rs = pink

Fuel delivery unit, Convenience system central control unit, Fuel pump control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	According to equipment
*2	Cross section depends on equipment
*3	Wiring colour depends on equipment
*4	Up to July 2018
*5	gradual introduction
*6	Coupé
*7	Sportback



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Ambient temperature sensor, Coolant shortage indicator sender, Onboard supply control unit, Mechatronic unit for dual clutch gearbox, Coolant shut-off valve, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
J519	Onboard supply control unit
J743	Mechatronic unit for dual clutch gearbox
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T2lm	2-pin connector, black
T2me	2-pin connector, black
T23	23-pin connector, black
T73a	73-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	For models with automatic gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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gn	=	green
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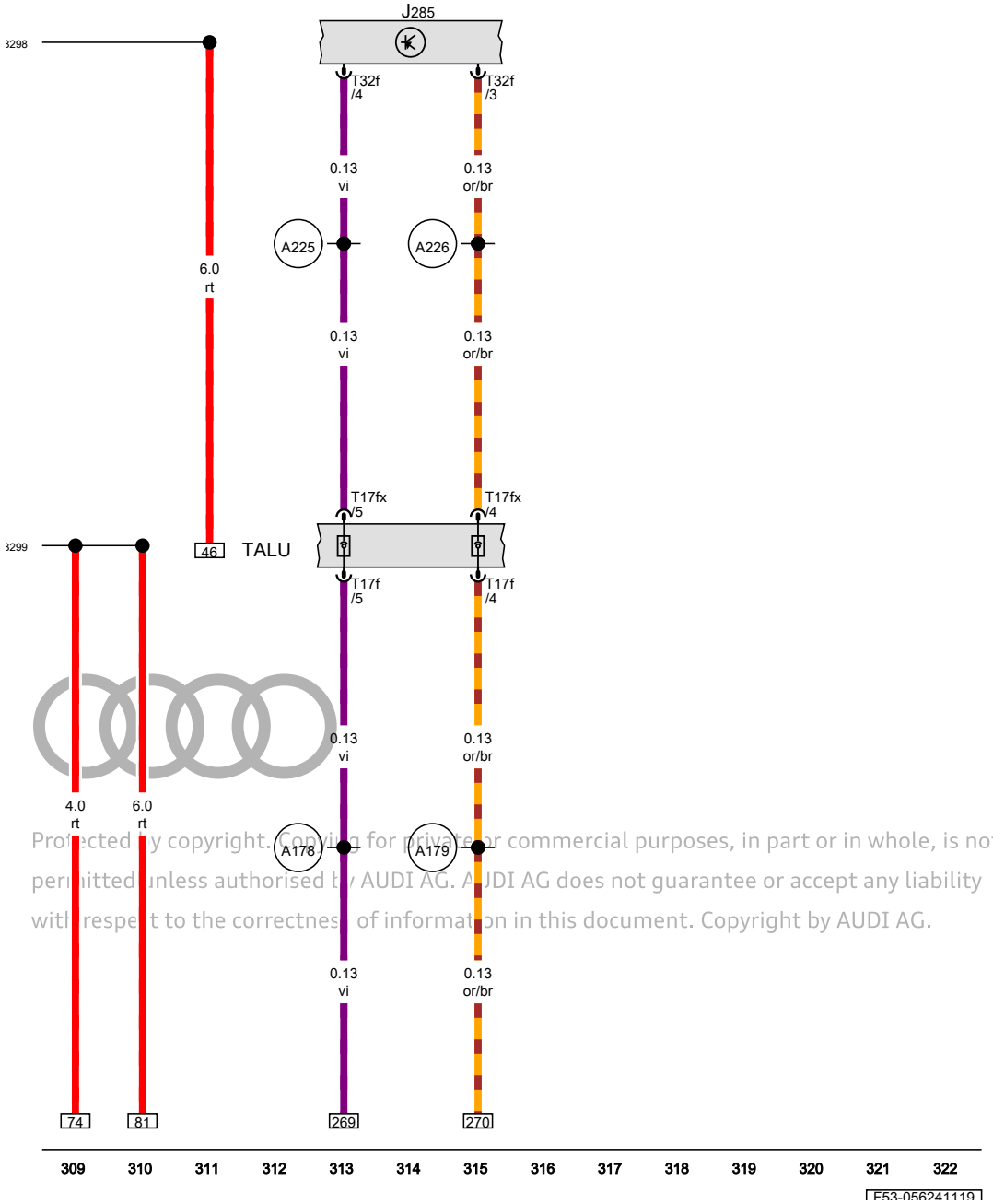

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Control unit in dash panel insert

J285	Control unit in dash panel insert
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness

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Airbag systems (US equipment)

From July 2016

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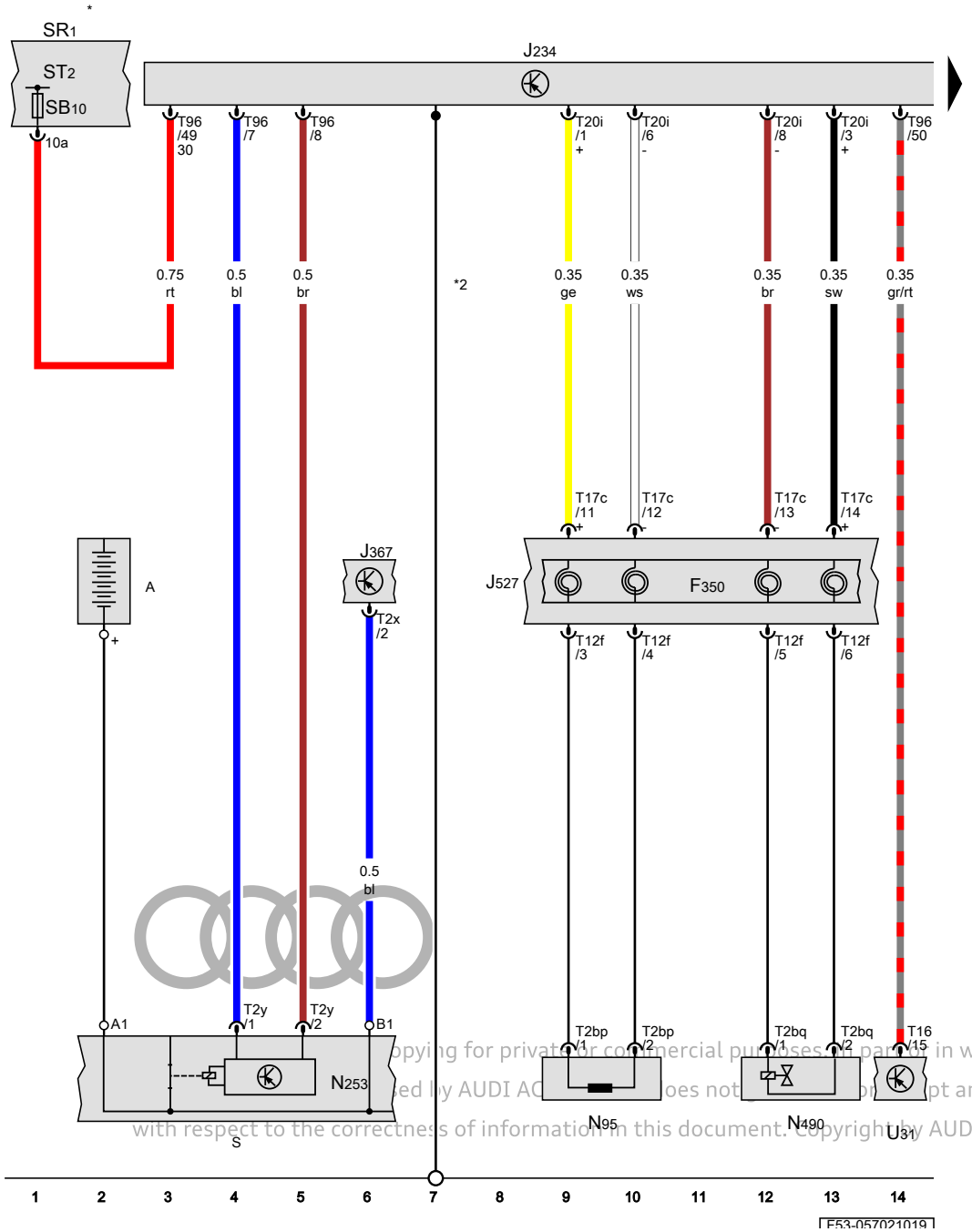

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Coil connector, Airbag control unit, Airbag igniter on driver side, Igniter for exhaust valve for driver airbag, Fuses in fuse holder

A	Battery
F350	Coil connector
J234	Airbag control unit
J367	Battery monitor control unit
J527	Steering column electronics control unit
N95	Airbag igniter on driver side
N253	Battery isolation igniter
N490	Igniter for exhaust valve for driver airbag
S	Fuses in fuse holder, on fuse holder, battery
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB10	Fuse 10 on fuse holder B
T2bp	2-pin connector, yellow
T2bq	2-pin connector, yellow
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T12f	12-pin connector, black
T16	16-pin connector, black
T17c	17-pin connector, yellow
T20i	20-pin connector, yellow
T96	96-pin connector, yellow
U31	Diagnostic connection
*	see applicable current flow diagram for fuse assignment
*2	Earth supply via housing

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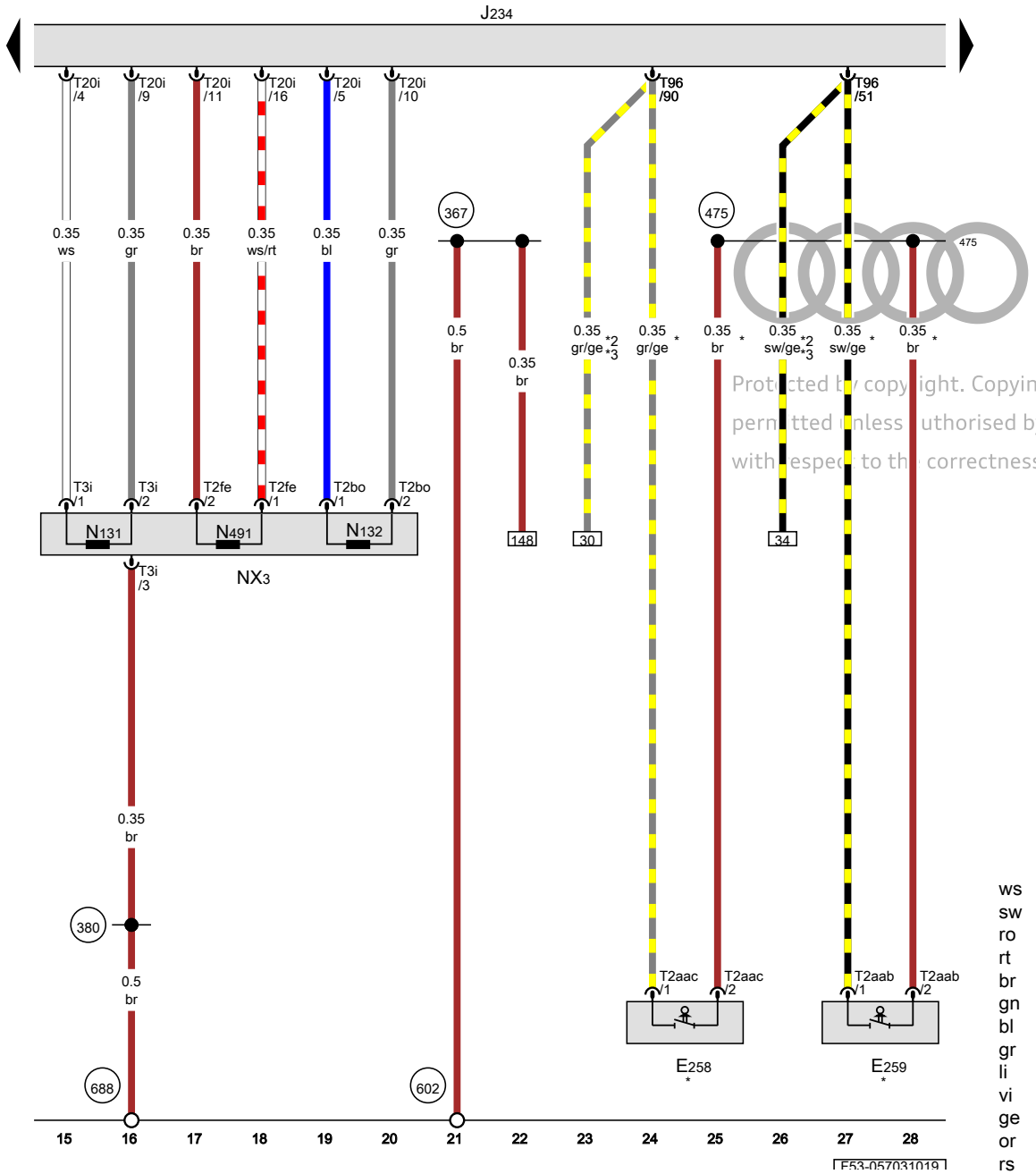

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Rear belt switch, driver side, Rear belt switch, passenger side, Airbag control unit, Front passenger airbag unit

E258	Rear belt switch, driver side
E259	Rear belt switch, passenger side
J234	Airbag control unit
NX3	Front passenger airbag unit
N131	Airbag igniter 1 on front passenger side
N132	Airbag igniter 2 on front passenger side
N491	Igniter for exhaust valve for front passenger airbag
T2aab	2-pin connector, blue
T2aac	2-pin connector, black
T2bo	2-pin connector, yellow
T2fe	2-pin connector, yellow
T3i	3-pin connector, yellow
T20i	20-pin connector, yellow
T96	96-pin connector, yellow
367	Earth connection 2, in main wiring harness
380	Earth connection 15, in main wiring harness
475	Earth connection (airbag), in main wiring harness
602	Earth point, in front left footwell
688	Earth point 2, on centre tunnel
*	For Cabriolet models
*2	Coupé
*3	Sportback

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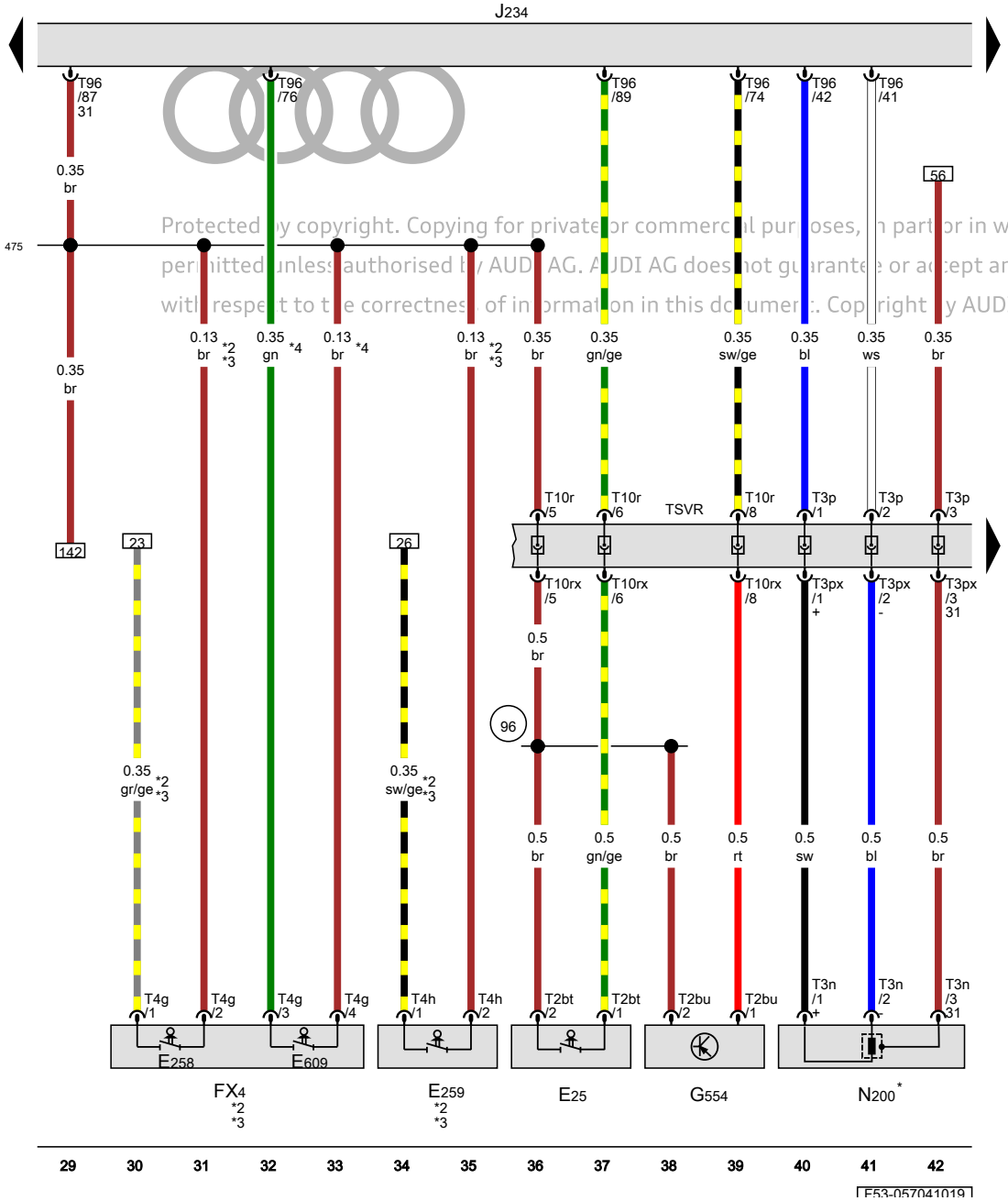

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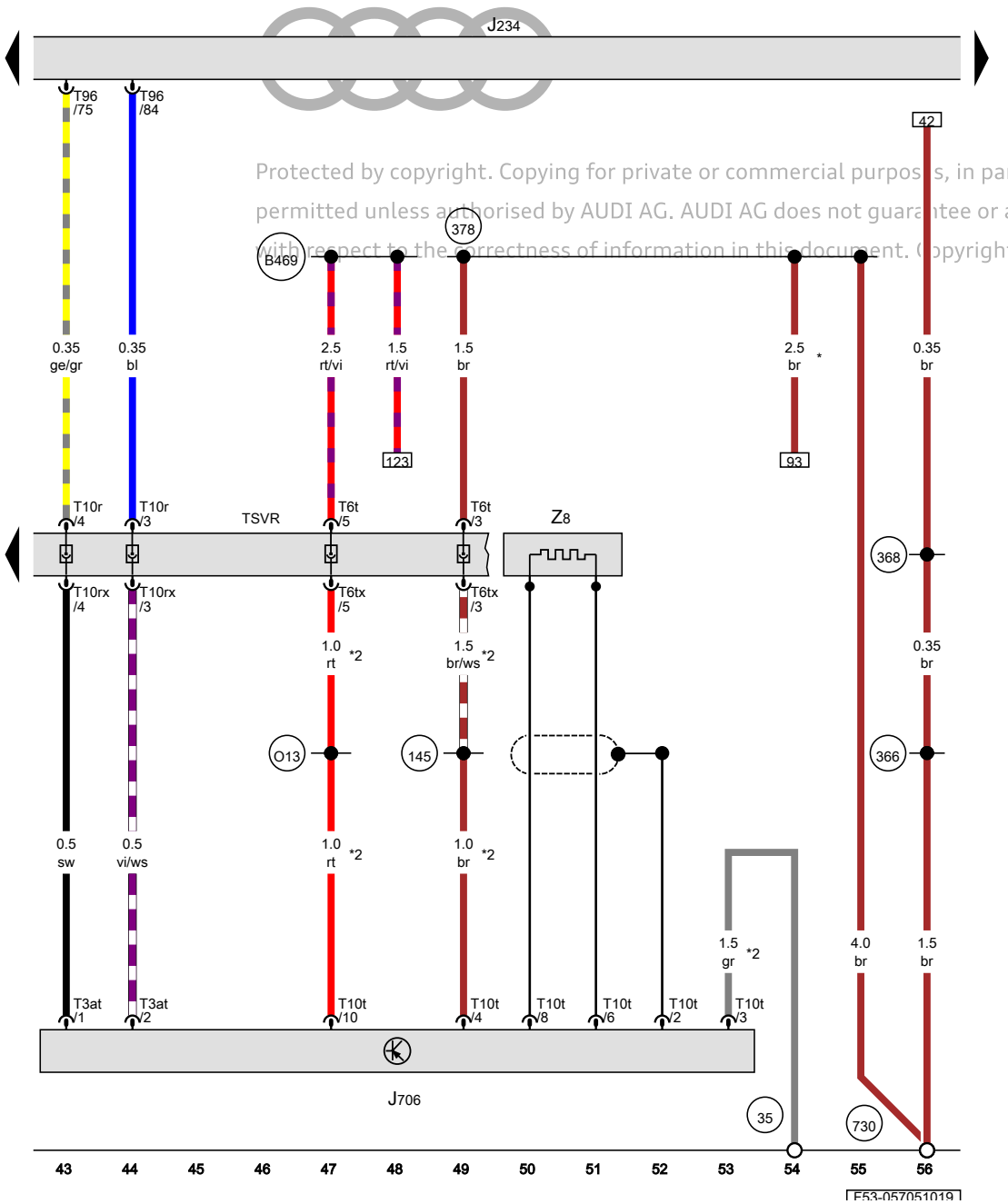
Front passenger side belt switch, Rear belt switch, passenger side, Twin belt buckle, Front passenger side seat position sensor, Airbag control unit, Side airbag igniter on front passenger side

E25	Front passenger side belt switch
E258	Rear belt switch, driver side
E259	Rear belt switch, passenger side
E609	Rear centre belt switch
FX4	Twin belt buckle
G554	Front passenger side seat position sensor
J234	Airbag control unit
N200	Side airbag igniter on front passenger side
T2bt	2-pin connector, black
T2bu	2-pin connector, black
T3n	3-pin connector, yellow
T3p	3-pin connector, yellow
T3px	3-pin connector, yellow
T4g	4-pin connector, black
T4h	4-pin connector, black
T10r	10-pin connector, black
T10rx	10-pin connector, black
T96	96-pin connector, yellow
TSVR	Coupling point for front right seat
96	Earth connection 1, in seat heating wiring harness
475	Earth connection (airbag), in main wiring harness
*	Pre-wired component
*2	Coupé
*3	Sportback
*4	According to equipment



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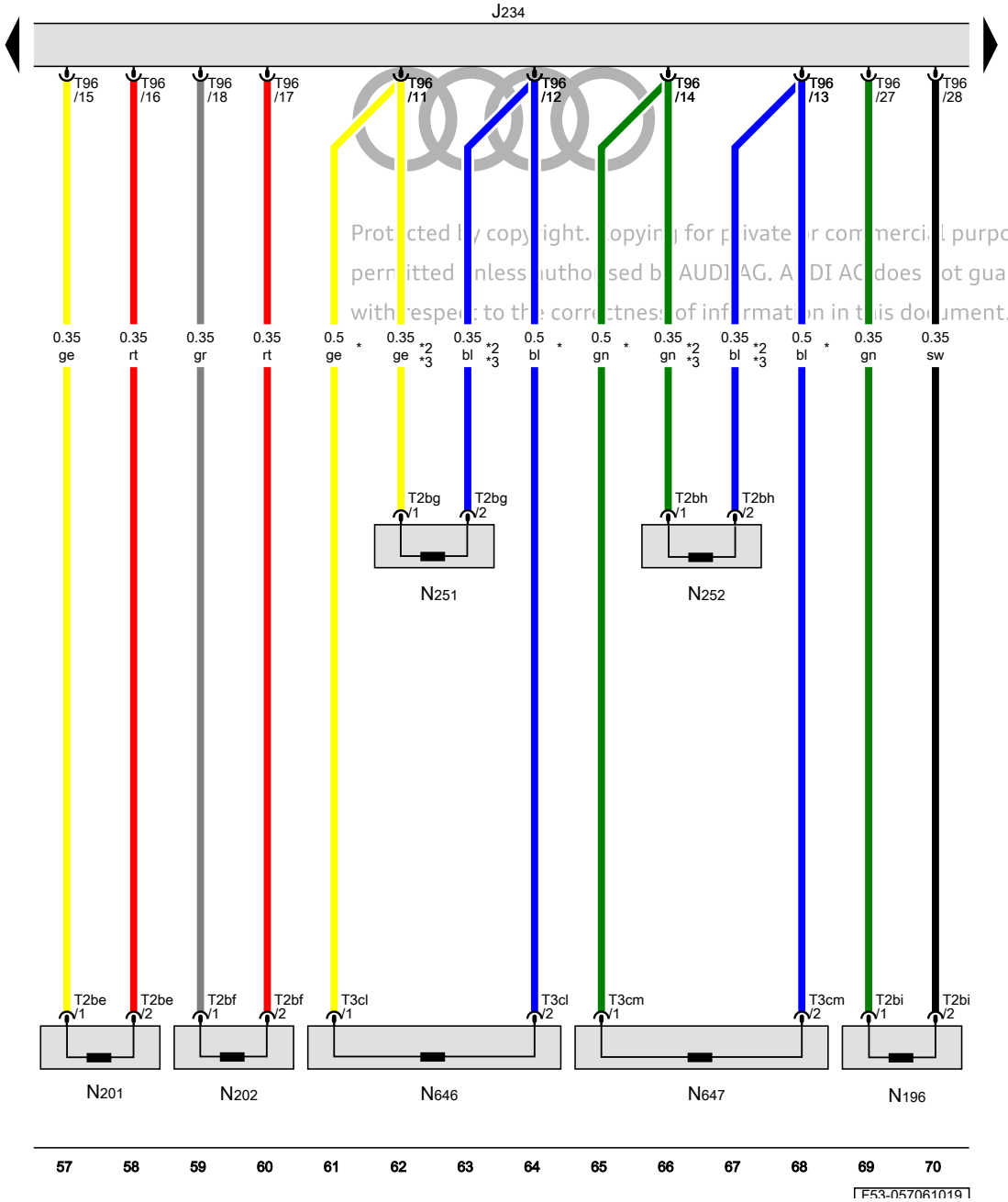
rs = pink

Airbag control unit, Seat occupied recognition control unit

J234	Airbag control unit
J706	Seat occupied recognition control unit
T3at	3-pin connector, black
T6t	6-pin connector, green
T6tx	6-pin connector, green
T10r	10-pin connector, black
T10rx	10-pin connector, black
T10t	10-pin connector, black
T96	96-pin connector, yellow
TSVR	Coupling point for front right seat
Z8	Heated seat cushion for front passenger seat
35	Earth point, under front passenger seat
145	Earth connection 3, in seat heating wiring harness
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
378	Earth connection 13, in main wiring harness
730	Earth point 1, on right rear wheel housing
B469	Connection 5, in main wiring harness
O13	Connection 2, in seat heating wiring harness
*	According to equipment
*2	Wiring colour depends on equipment



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Airbag control unit, Rear belt tensioner igniter on driver side, Rear side airbag igniter on driver side, Rear side airbag igniter on passenger side, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

J234	Airbag control unit
N196	Rear belt tensioner igniter on driver side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on passenger side
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
N646	Trigger for driver side roll-over bar
N647	Trigger for passenger side roll-over bar
T2be	2-pin connector, yellow
T2bf	2-pin connector, yellow
T2bg	2-pin connector, yellow
T2bh	2-pin connector, yellow
T2bi	2-pin connector, yellow
T3cl	3-pin connector, yellow
T3cm	3-pin connector, yellow
T96	96-pin connector, yellow
*	For Cabriolet models
*2	Coupé
*3	Sportback

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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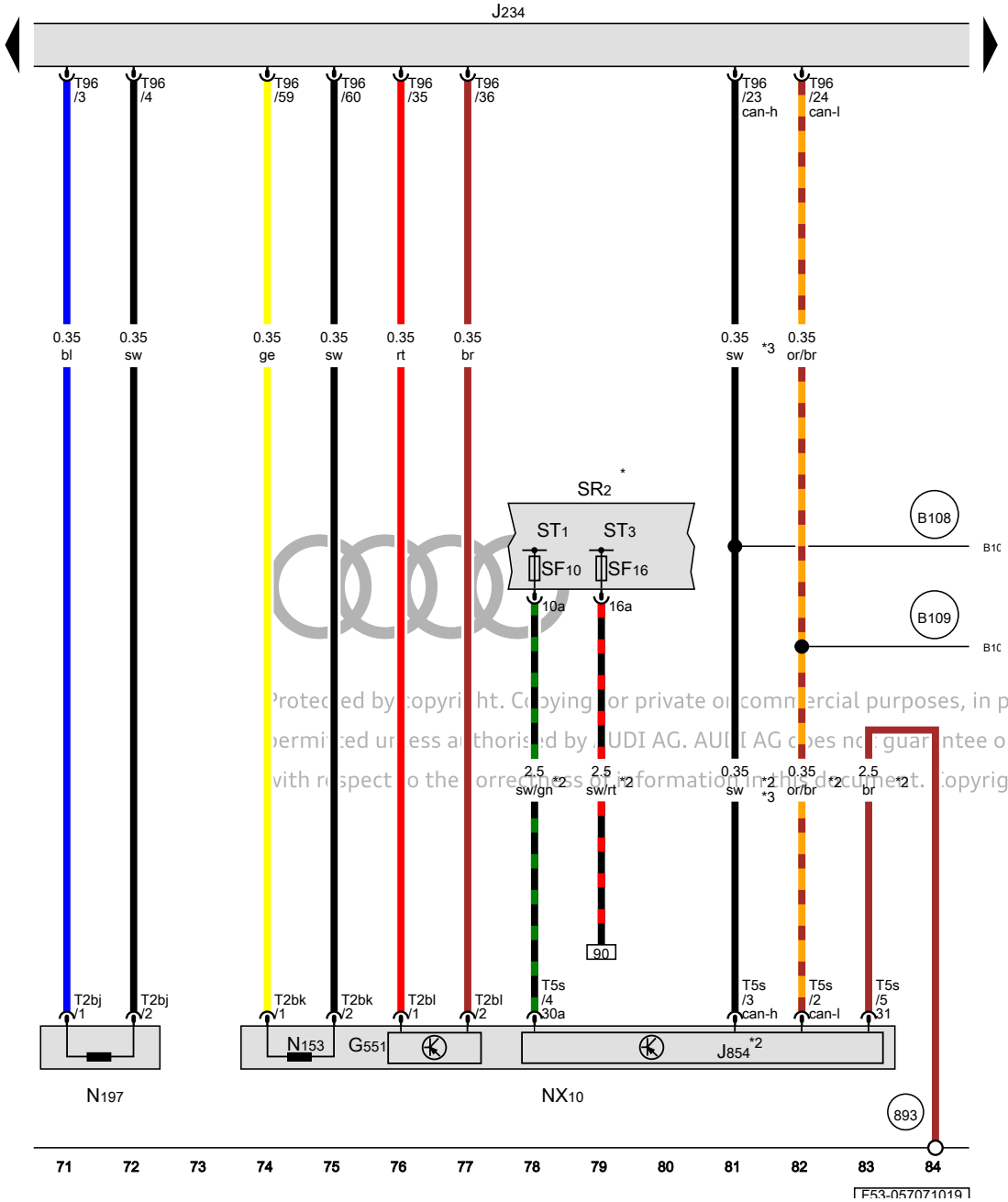
Driver side belt force limiter, Airbag control unit, Front left seat belt, Driver seat belt tensioner igniter 1, Rear belt tensioner igniter on passenger side



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G551	Driver side belt force limiter
J234	Airbag control unit
J854	Control unit for front left belt tensioner
NX10	Front left seat belt
N153	Driver seat belt tensioner igniter 1
N197	Rear belt tensioner igniter on passenger side
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF10	Fuse 10 in fuse holder F
SF16	Fuse 16 in fuse holder F
T2bj	2-pin connector, yellow
T2bk	2-pin connector, yellow, green
T2bl	2-pin connector, yellow
T5s	5-pin connector, colourless
T96	96-pin connector, yellow
893	Earth point 2, on left B-pillar
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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vi	=	purple
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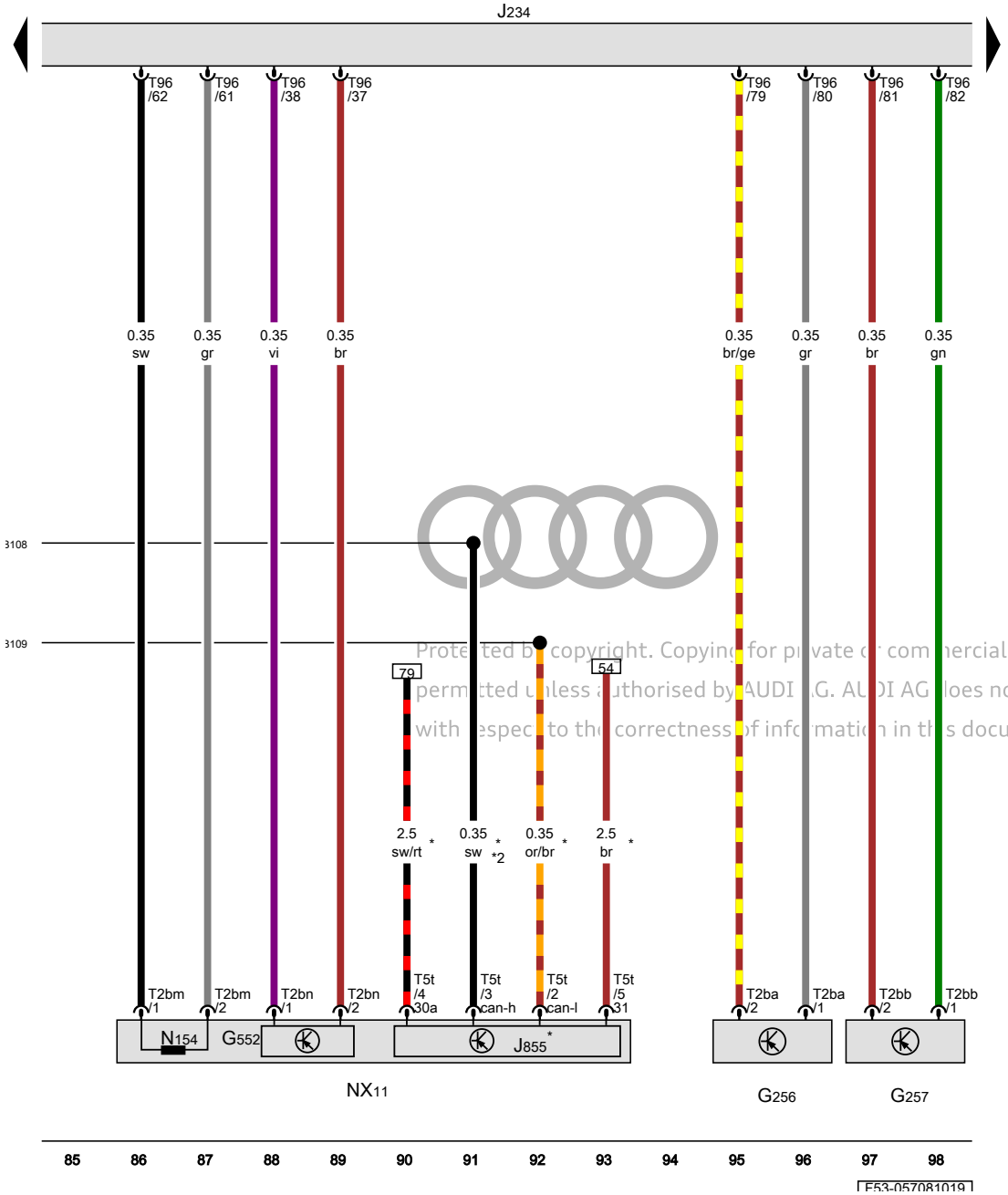

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Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on passenger side, Front passenger side belt force limiter, Airbag control unit, Front right seat belt, Front passenger seat belt tensioner igniter 1

G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on passenger side
G552	Front passenger side belt force limiter
J234	Airbag control unit
J855	Control unit for front right belt tensioner
NX11	Front right seat belt
N154	Front passenger seat belt tensioner igniter 1
T2ba	2-pin connector, black
T2bb	2-pin connector, black
T2bm	2-pin connector, yellow, green
T2bn	2-pin connector, yellow
T5t	5-pin connector, colourless
T96	96-pin connector, yellow
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	According to equipment
*2	Different wire colour possible

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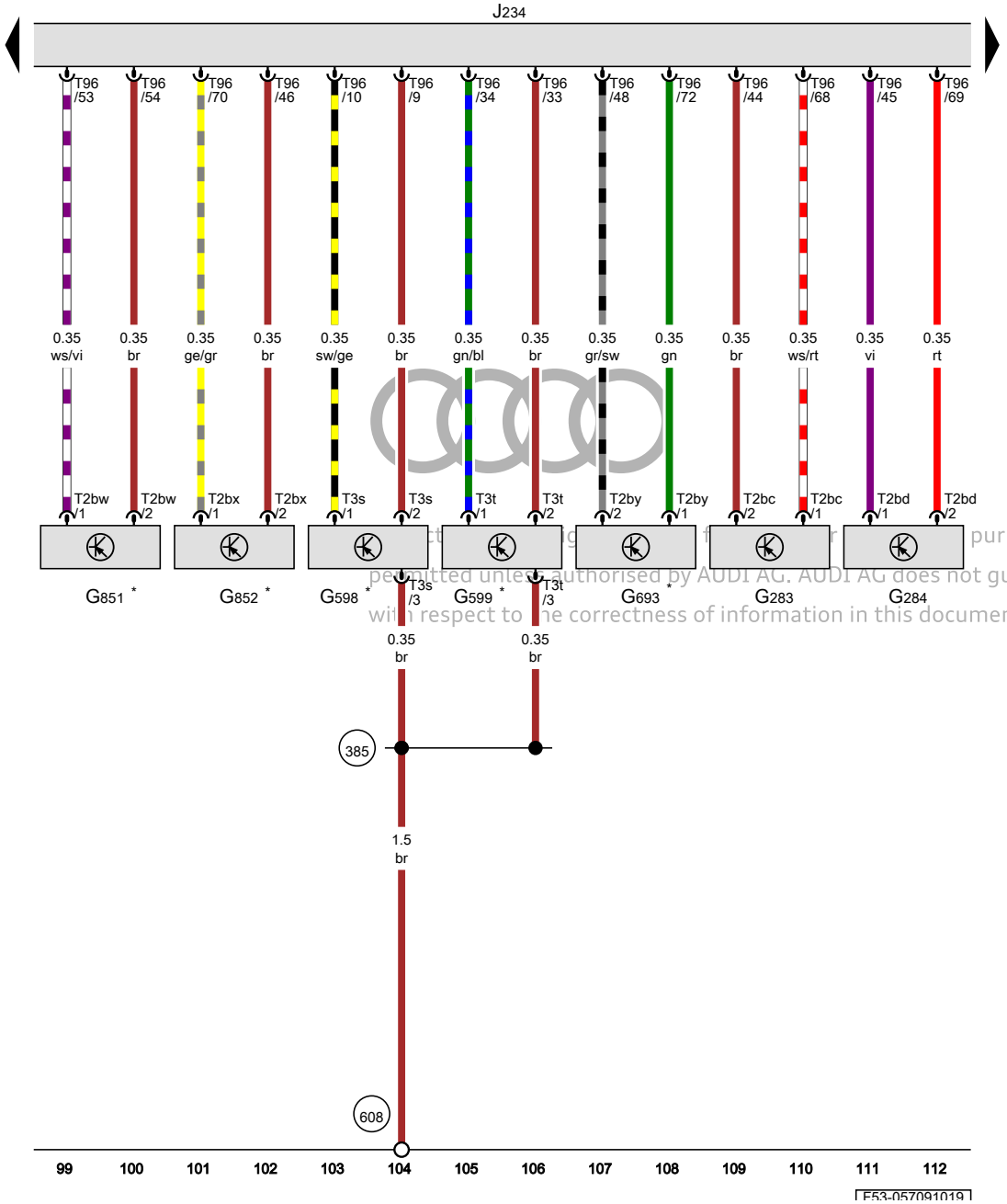

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Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Trigger 1 for pedestrian protection, Trigger 2 for pedestrian protection, Centre crash sensor for pedestrian protection, Driver side crash sensor 2 for pedestrian protection, Front passenger side crash sensor 2 for pedestrian protection, Airbag control unit

G283	Front airbag crash sensor for driver side
G284	Front airbag crash sensor for front passenger side
G598	Trigger 1 for pedestrian protection
G599	Trigger 2 for pedestrian protection
G693	Centre crash sensor for pedestrian protection
G851	Driver side crash sensor 2 for pedestrian protection
G852	Front passenger side crash sensor 2 for pedestrian protection
J234	Airbag control unit
T2bc	2-pin connector, yellow
T2bd	2-pin connector, yellow
T2bw	2-pin connector, yellow
T2bx	2-pin connector, yellow
T2by	2-pin connector, yellow
T3s	3-pin connector, yellow
T3t	3-pin connector, yellow
T96	96-pin connector, yellow
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
*	For models with pedestrian protection system

ws	=	white
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rt	=	red
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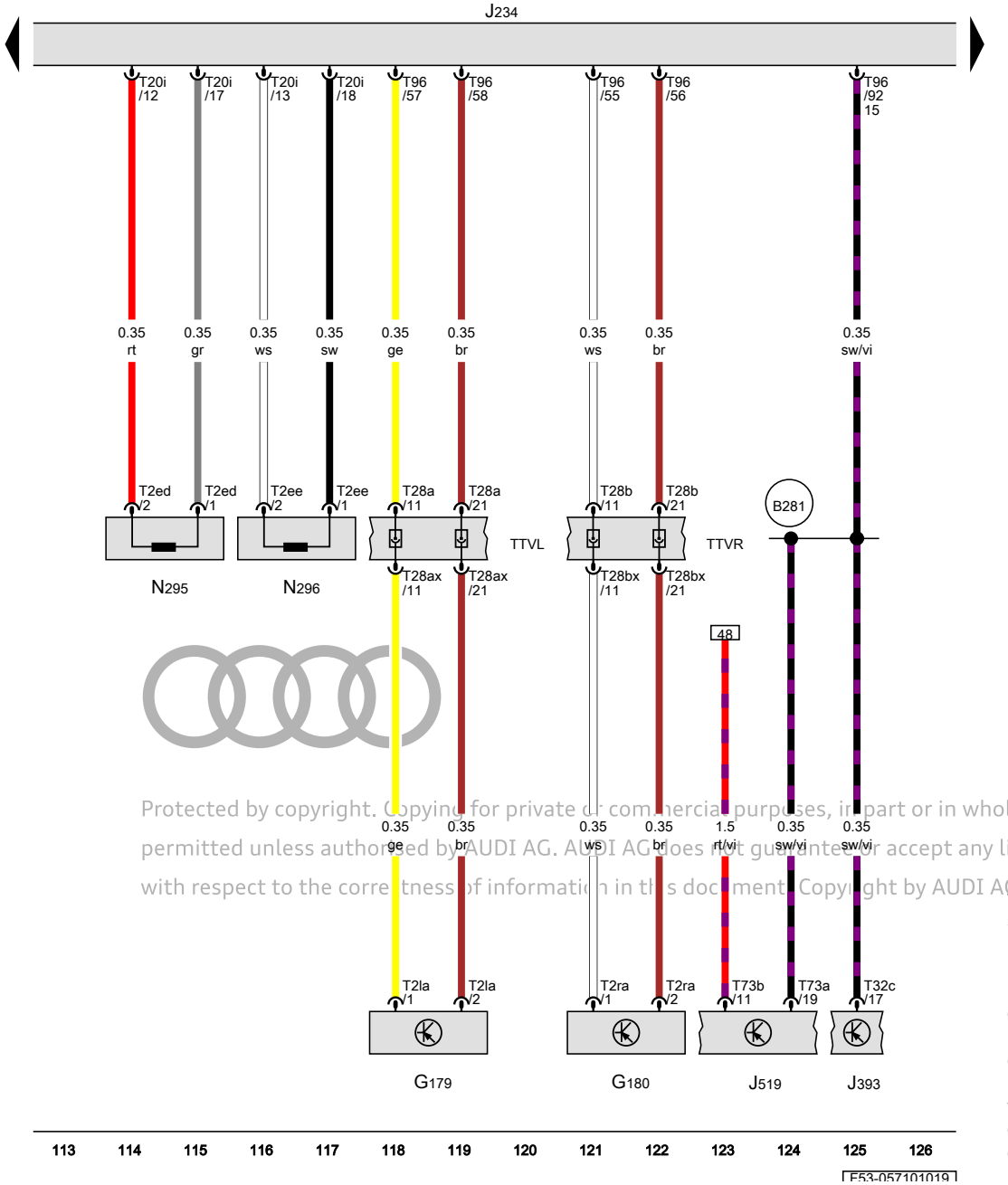

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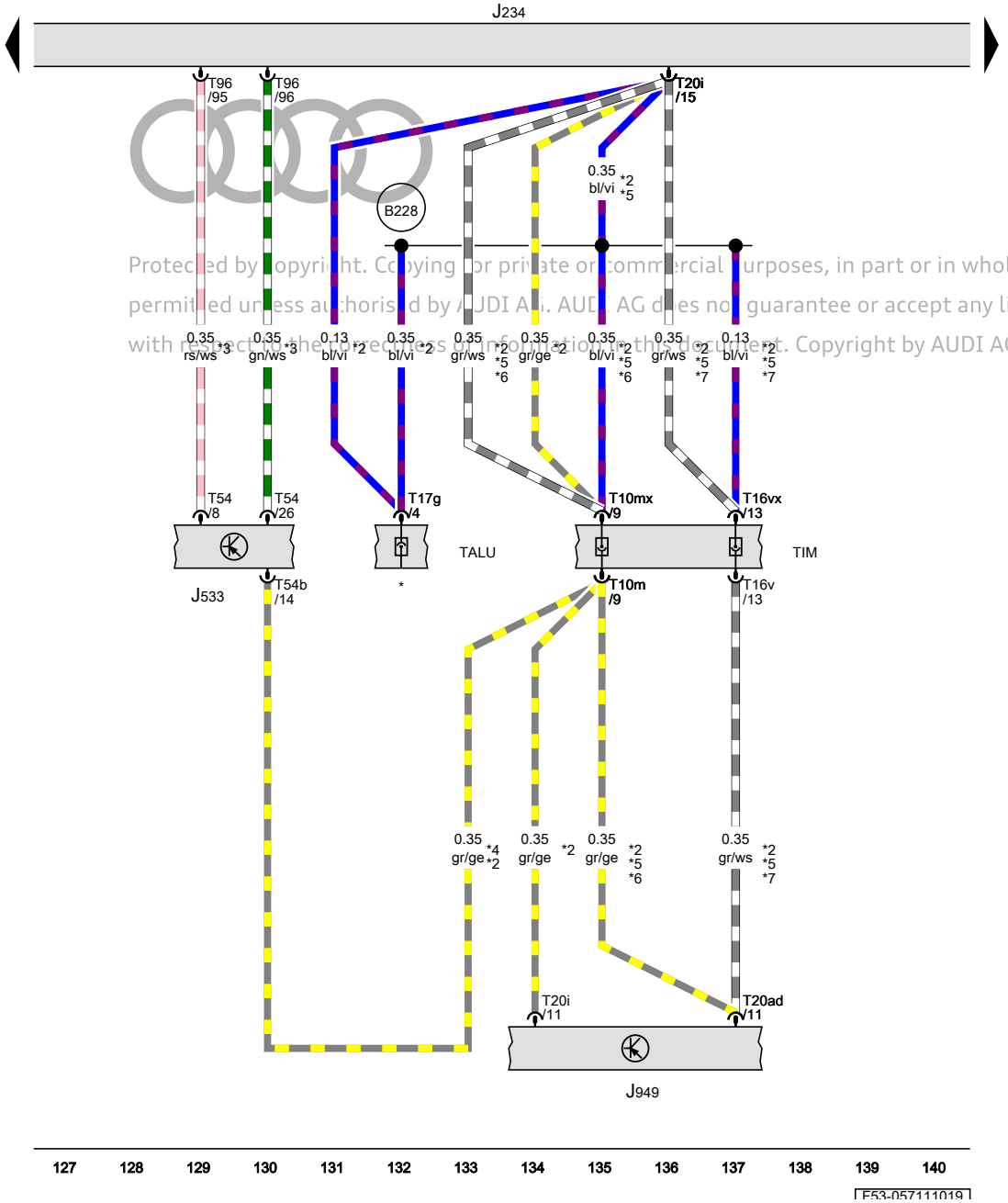
Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Airbag control unit, Driver side knee airbag igniter, Front passenger side knee airbag igniter

G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
J234	Airbag control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
N295	Driver side knee airbag igniter
N296	Front passenger side knee airbag igniter
T2ed	2-pin connector, yellow
T2ee	2-pin connector, yellow
T2la	2-pin connector, black
T2ra	2-pin connector, black
T20i	20-pin connector, yellow
T28a	28-pin connector, black
T28ax	28-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
T32c	32-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
T96	96-pin connector, yellow
TTVL	Coupling point for front left door
TTVR	Coupling point for front right door
B281	Positive connection 5 (15a) in main wiring harness



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br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
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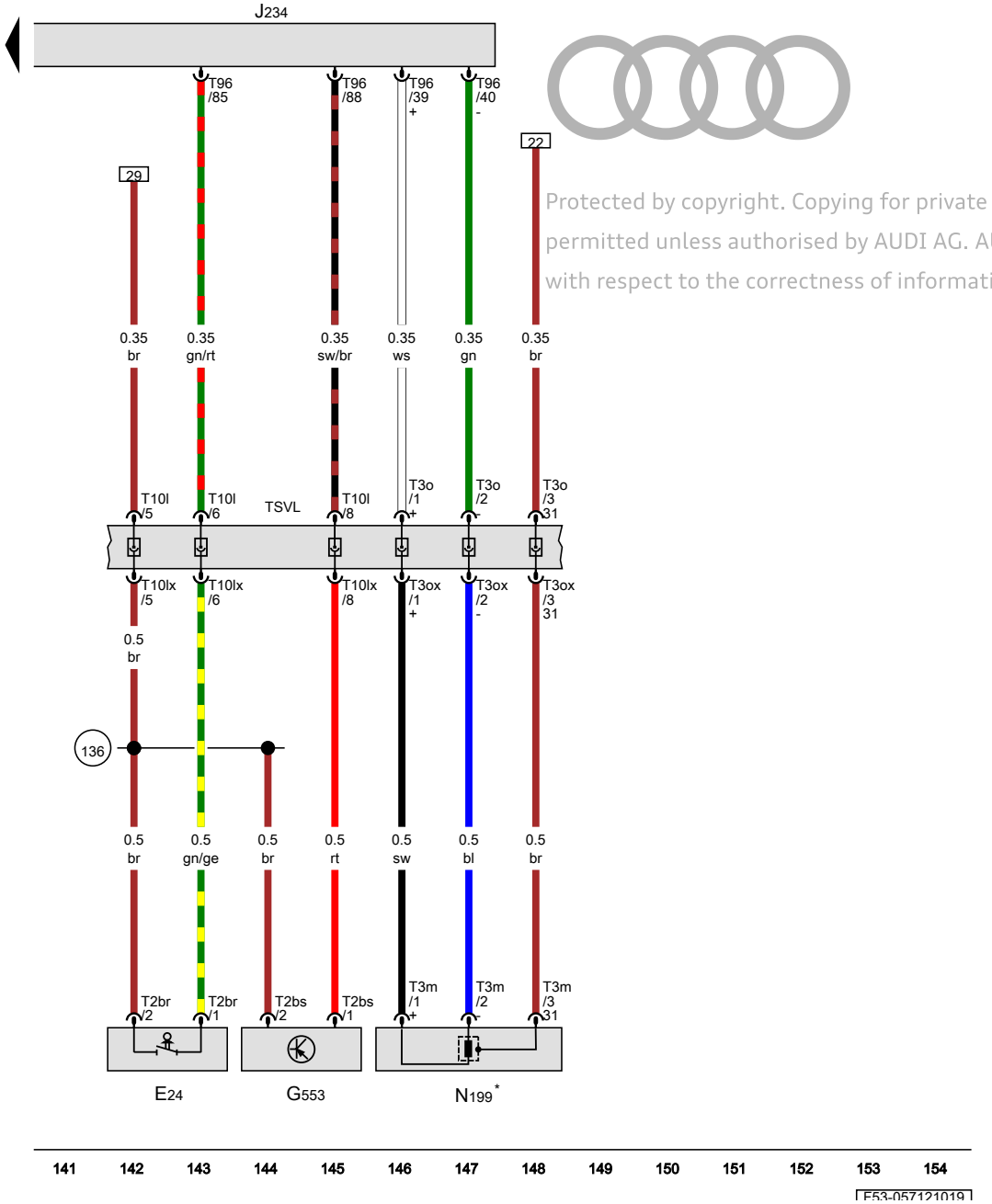
or = orange
rs = pink

Airbag control unit, Data bus diagnostic interface, Emergency call module control unit and communication unit

J234	Airbag control unit
J533	Data bus diagnostic interface
J949	Emergency call module control unit and communication unit
T10m	10-pin connector, black
T10mx	10-pin connector, black
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T17g	17-pin connector, blue
T20ad	20-pin connector, black
T20i	20-pin connector, yellow
T54	54-pin connector, black
T54b	54-pin connector, blue
T96	96-pin connector, yellow
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
B228	Connection (crash signal), in interior wiring harness
*	see applicable current flow diagram for seat adjustment
*2	According to equipment
*3	Data bus wire (FlexRay bus)
*4	For models with no electrically adjustable seat on driver side
*5	see applicable current flow diagram for communication
*6	Up to November 2019
*7	From December 2019

Driver side belt switch, Driver side seat position sensor, Airbag control unit, Side airbag igniter on driver side

E24	Driver side belt switch
G553	Driver side seat position sensor
J234	Airbag control unit
N199	Side airbag igniter on driver side
T2br	2-pin connector, black
T2bs	2-pin connector, black
T3m	3-pin connector, yellow
T3o	3-pin connector, yellow
T3ox	3-pin connector, yellow
T10l	10-pin connector, black
T10lx	10-pin connector, black
T96	96-pin connector, yellow
TSVL	Coupling point for front left seat
136	Earth connection 2, in seat heating wiring harness
*	Pre-wired component



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Tail light clusters with LEDs, only models with US equipment , (5C1),(8SP)

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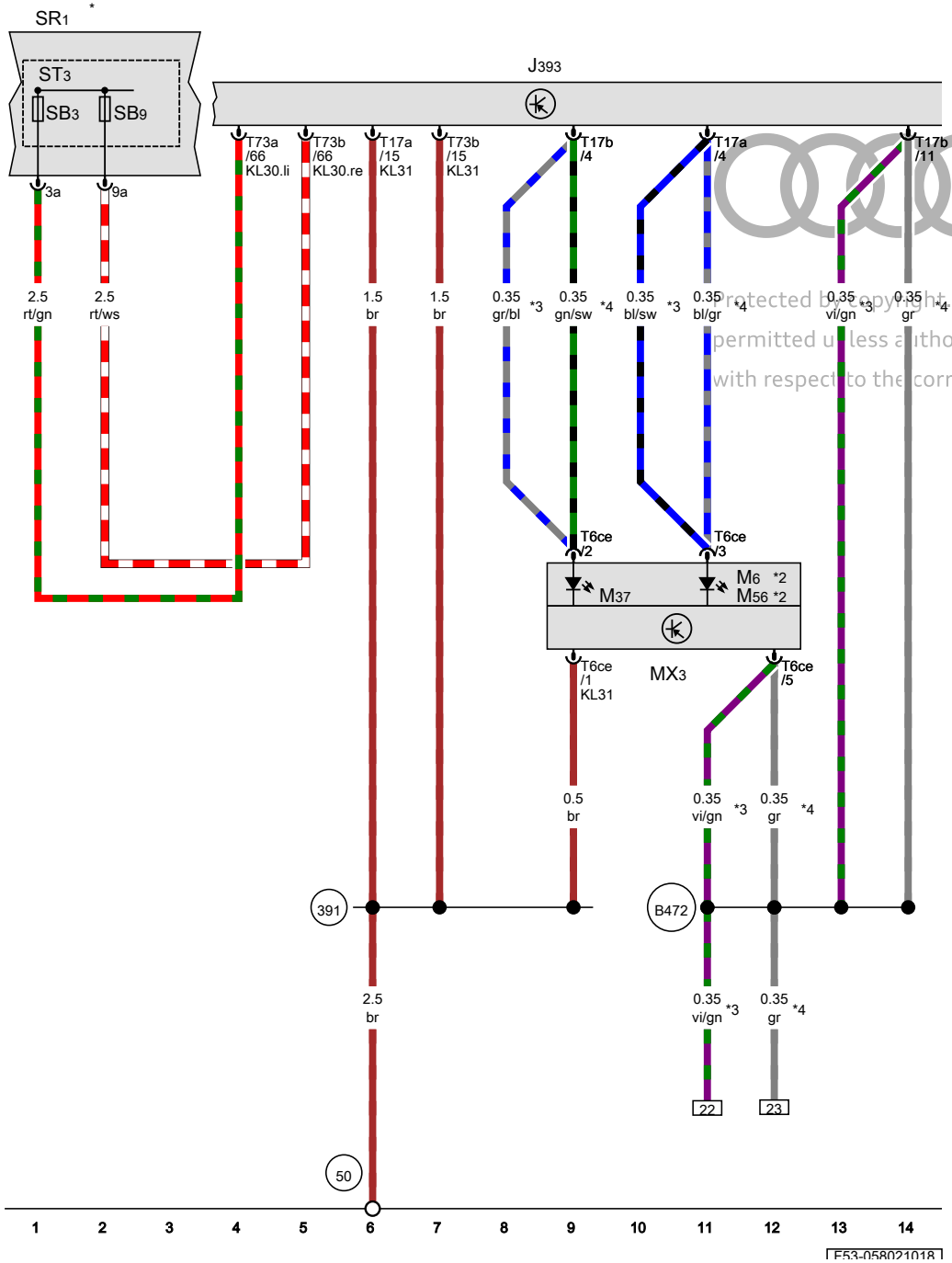

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Convenience system central control unit, Left tail light cluster, Relay and fuse carrier 1

J393	Convenience system central control unit
MX3	Left tail light cluster
M6	Rear left turn signal bulb
M37	Rear left side marker bulb
M56	Left brake and turn signal bulb
SR1	Relay and fuse carrier 1
ST3	Fuse carrier 3, black
SB3	Fuse 3 on fuse holder B
SB9	Fuse 9 on fuse holder B
T6ce	6-pin connector, green
T17a	17-pin connector, brown
T17b	17-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
50	Earth point, on left in luggage compartment
391	Earth connection 26, in main wiring harness
B472	Connection 8, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	For Cabriolet models
*4	Coupé

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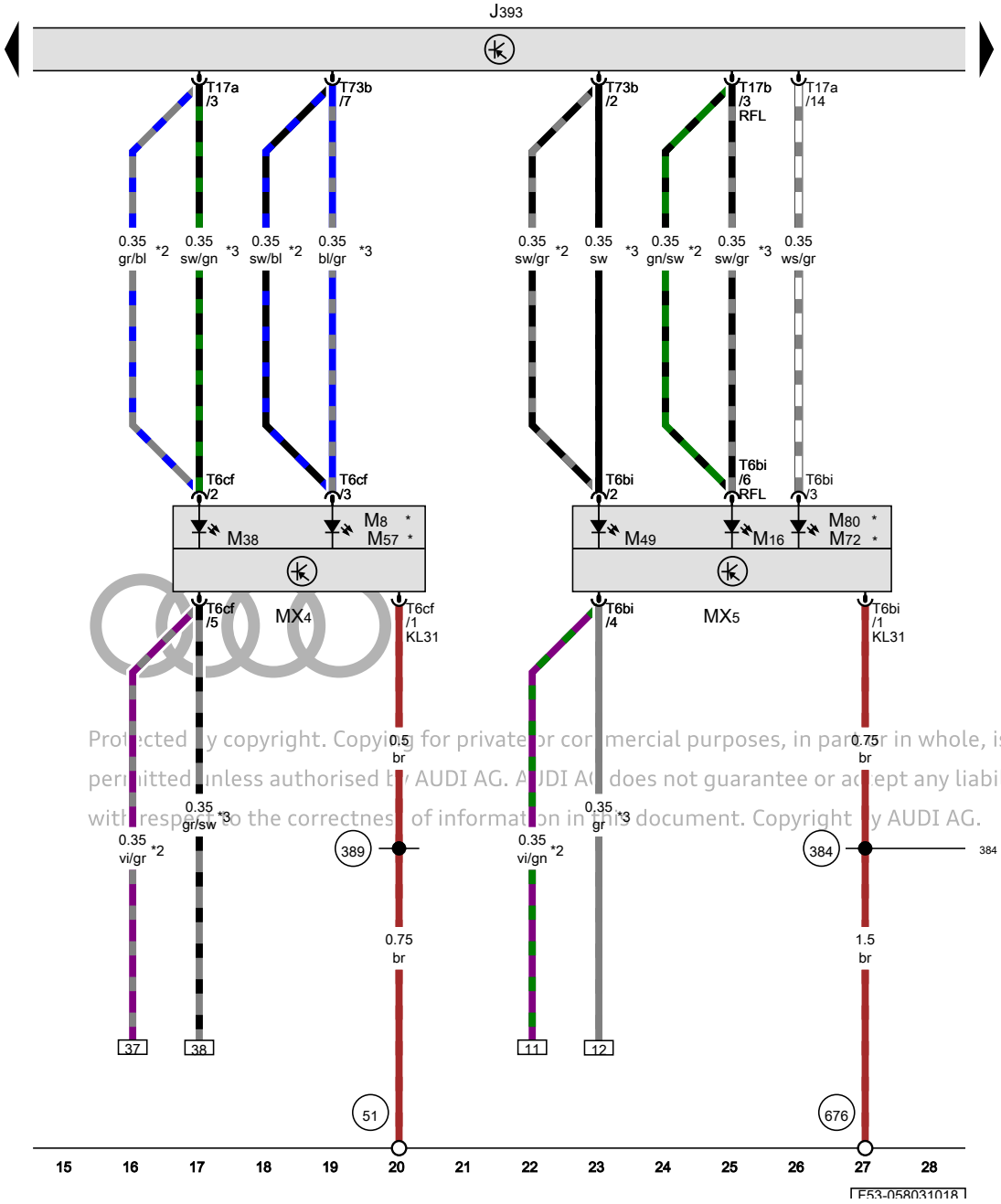

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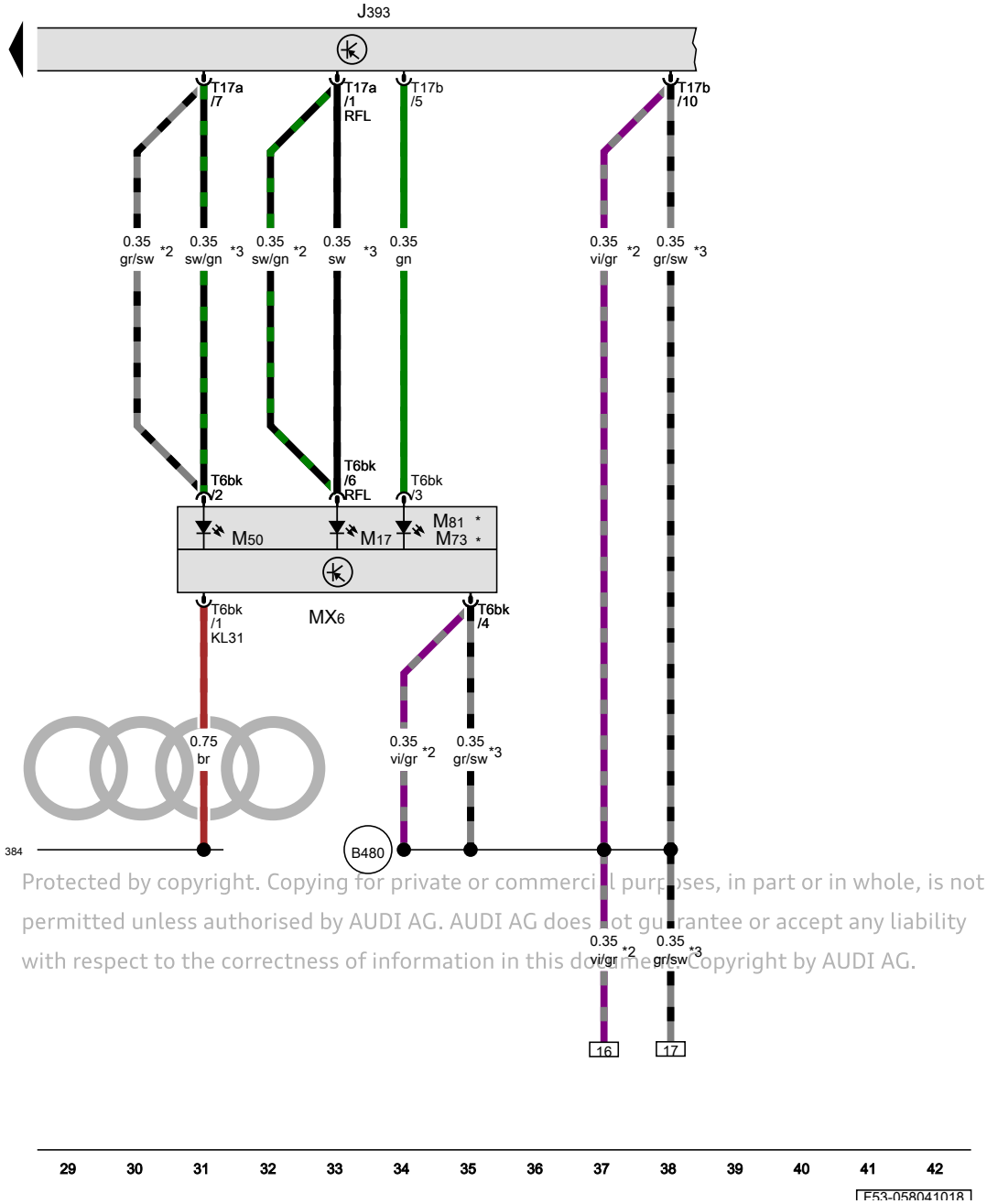
Convenience system central control unit, Right tail light cluster, Left tail light cluster 2

J393	Convenience system central control unit
MX4	Right tail light cluster
MX5	Left tail light cluster 2
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M38	Rear right side marker bulb
M49	Left tail light bulb 2
M57	Right brake and turn signal bulb
M72	Bulb 2 for left brake, turn signal and tail light
M80	Bulb 2 for rear left turn signal
T6bi	6-pin connector, brown
T6cf	6-pin connector, green
T17a	17-pin connector, brown
T17b	17-pin connector, black
T73b	73-pin connector, black
51	Earth point, on right in luggage compartment
384	Earth connection 19, in main wiring harness
389	Earth connection 24, in main wiring harness
676	Earth point 2, on left in luggage compartment
*	According to equipment
*2	For Cabriolet models
*3	Coupé



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Convenience system central control unit, Right tail light cluster 2

J393	Convenience system central control unit
MX6	Right tail light cluster 2
M17	Right reversing light bulb
M50	Right tail light bulb 2
M73	Bulb 2 for right brake, turn signal and tail light
M81	Bulb 2 for rear right turn signal
T6bk	6-pin connector, brown
T17a	17-pin connector, brown
T17b	17-pin connector, black
384	Earth connection 19, in main wiring harness
B480	Connection 16, in main wiring harness
*	According to equipment
*2	For Cabriolet models
*3	Coupé

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3.0l petrol engine , CWGD

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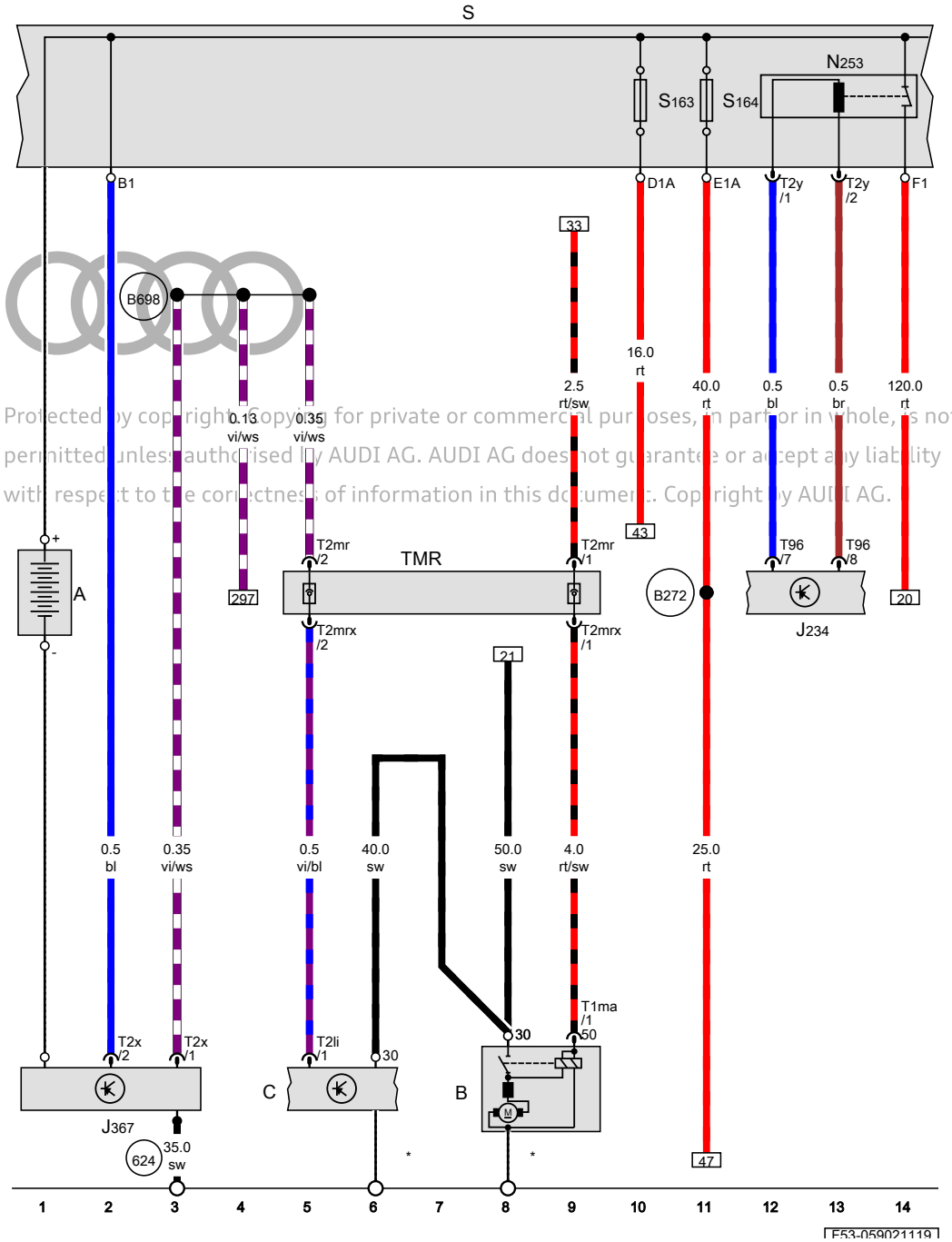

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Battery, Starter, Alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C	Alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

ws	=	white
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ro	=	red
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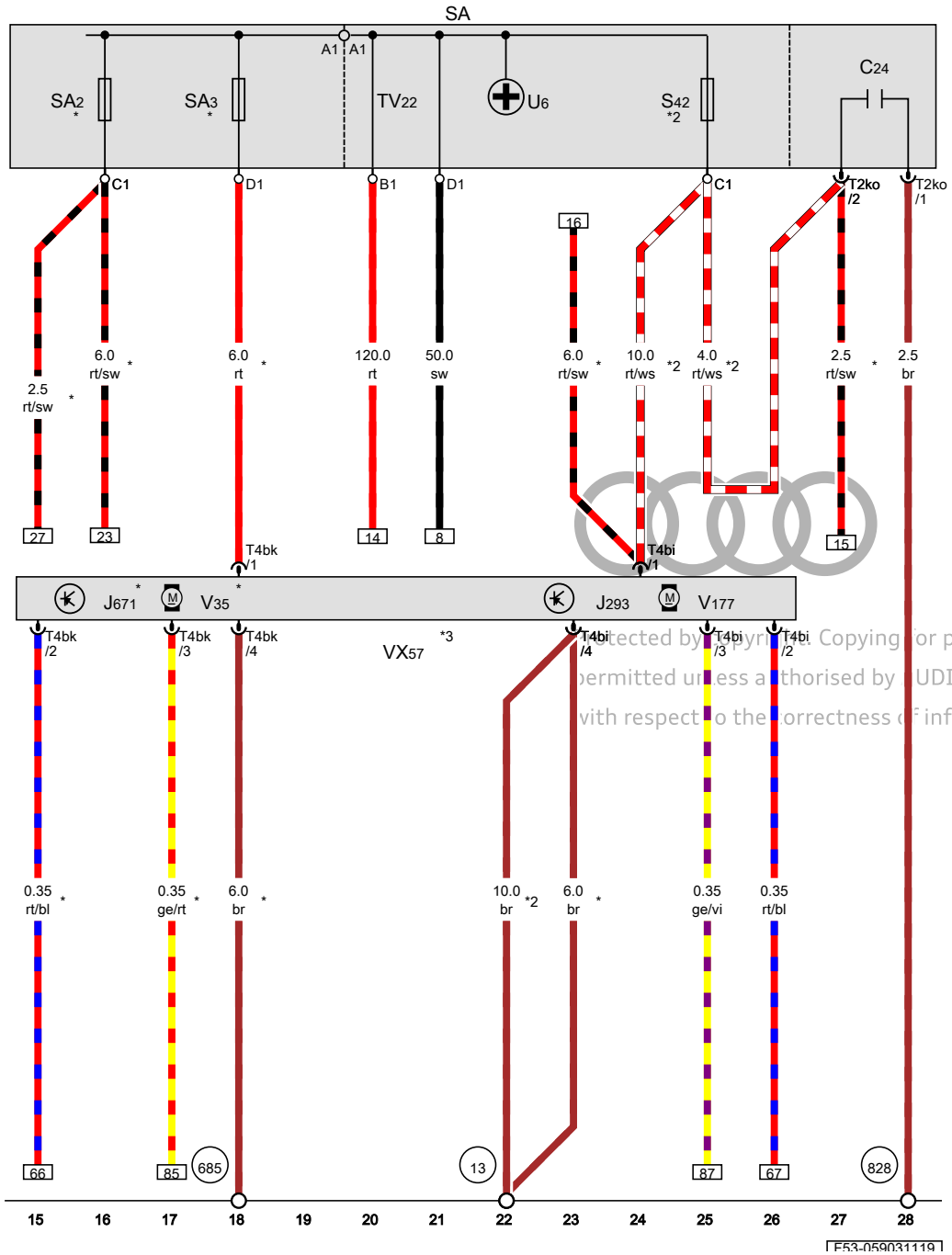

Suppression filter, Fuse holder A, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
J671	Radiator fan control unit 2
S42	Radiator fan single fuse
SA	Fuse holder A, front right in engine compartment
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
T2ko	2-pin connector, black
T4bi	4-pin connector, black
T4bk	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V35	Right radiator fan
VX57	Radiator fan
V177	Radiator fan 2
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	For models with towing bracket
*2	For models with no towing bracket
*3	Pre-wired component

ws = white
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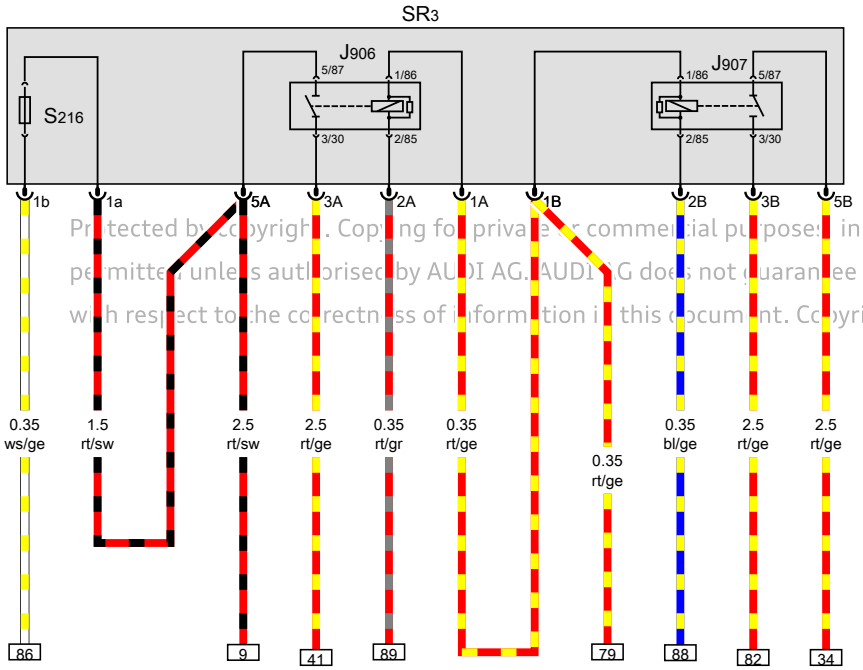

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Starter relay 1, Starter relay 2, Relay and fuse carrier 3, Fuse (50)

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S216	Fuse (50), central in plenum chamber

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br	=	brown
gn	=	green
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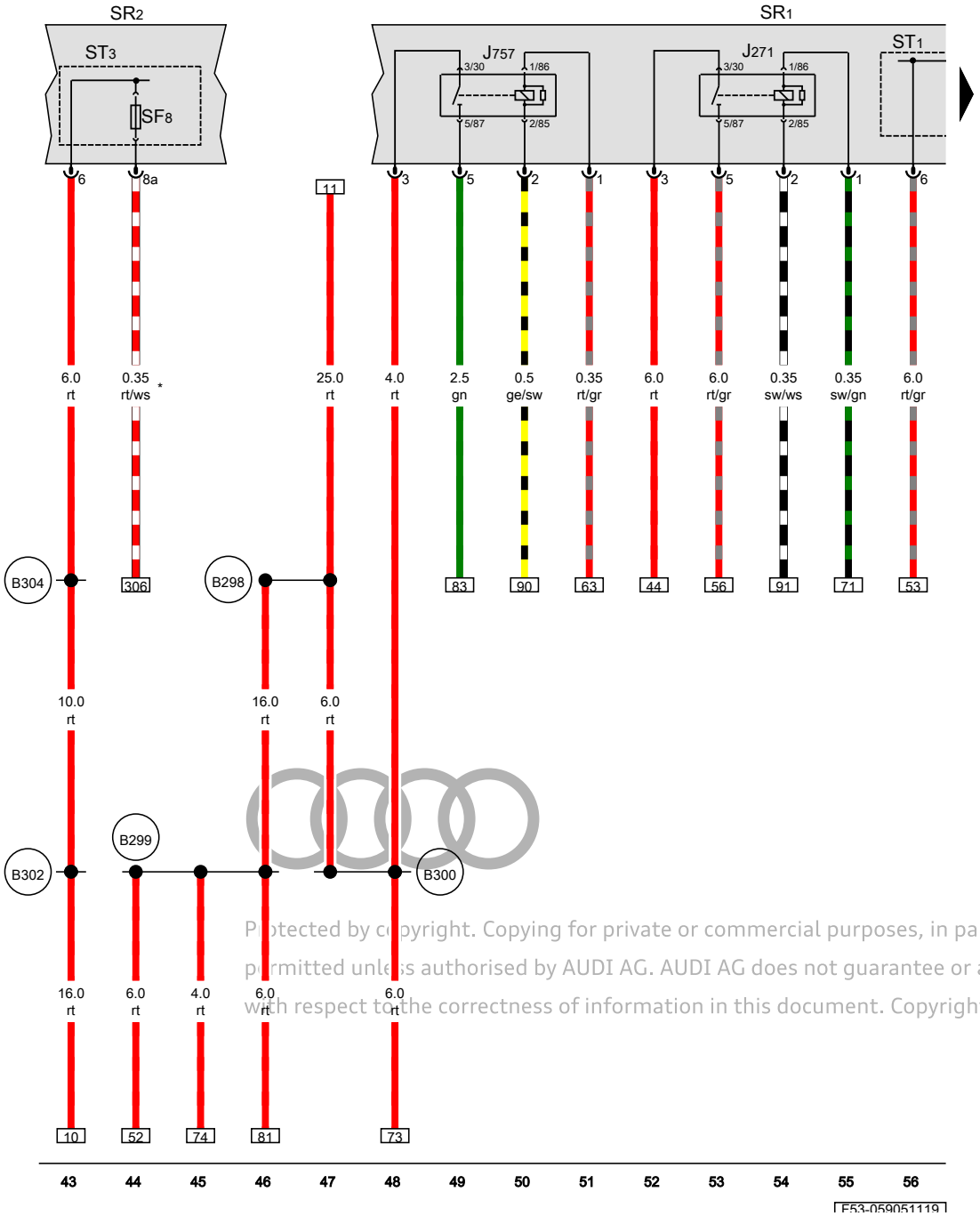

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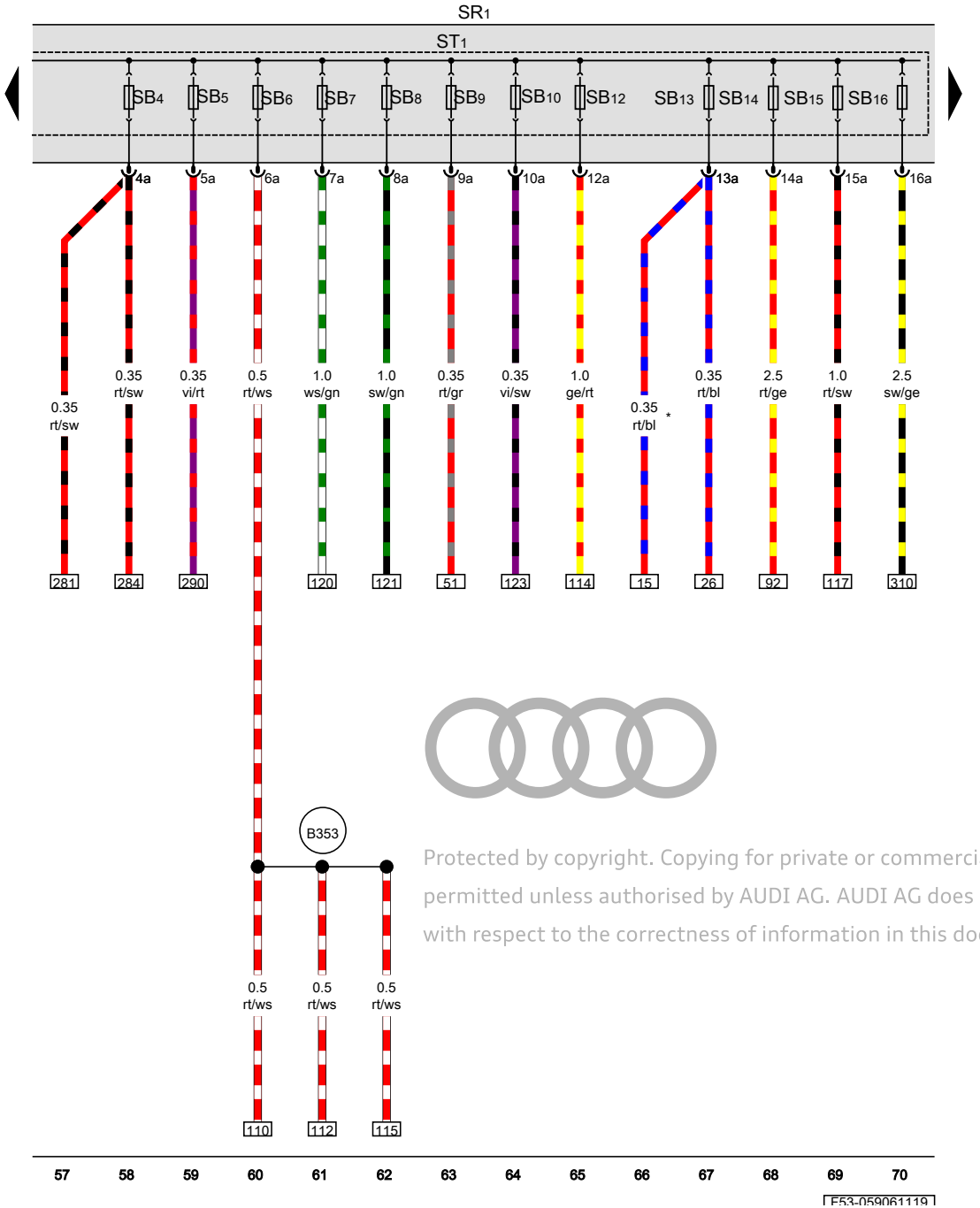
Main relay, Engine component current supply relay, Relay and fuse carrier 1, Relay and fuse carrier 2

J271 Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757 Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
SR1 Relay and fuse carrier 1, on lower section of left A-pillar
ST1 Fuse carrier 1, brown
SR2 Relay and fuse carrier 2, in luggage compartment, rear left
ST3 Fuse carrier 3, brown
SF8 Fuse 8 in fuse holder F

B298 Positive connection 2 (30), in main wiring harness
B299 Positive connection 3 (30), in main wiring harness
B300 Positive connection 4 (30), in main wiring harness
B302 Positive connection 6 (30), in main wiring harness
B304 Positive connection 8 (30), in main wiring harness

* For American markets



Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
B353	Positive connection 4 (87a) in main wiring harness
*	For models with towing bracket

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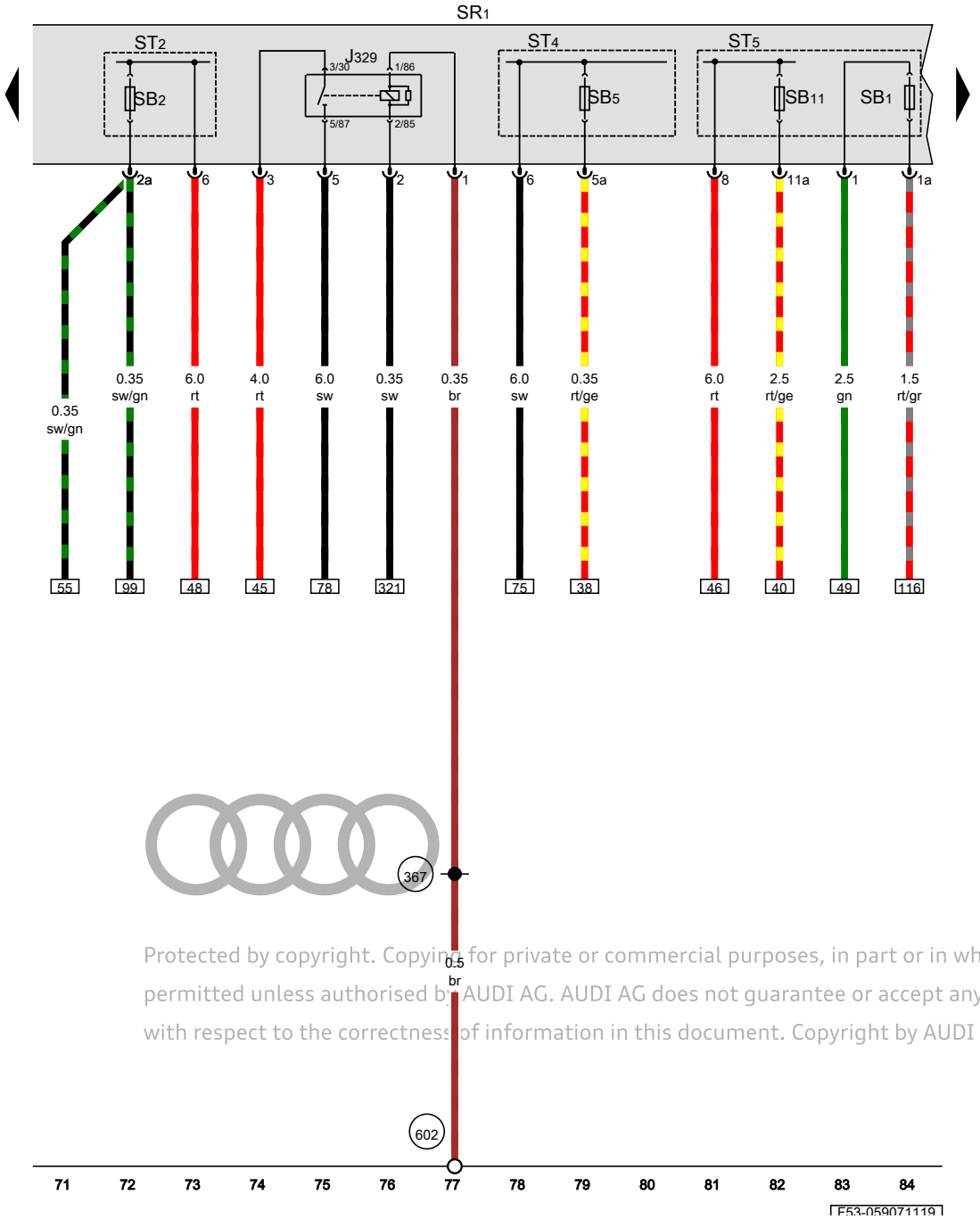

Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
ST4	Fuse carrier 4, black
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5, red
SB11	Fuse 11 on fuse holder B
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell

ws	=	white
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ro	=	red
rt	=	red
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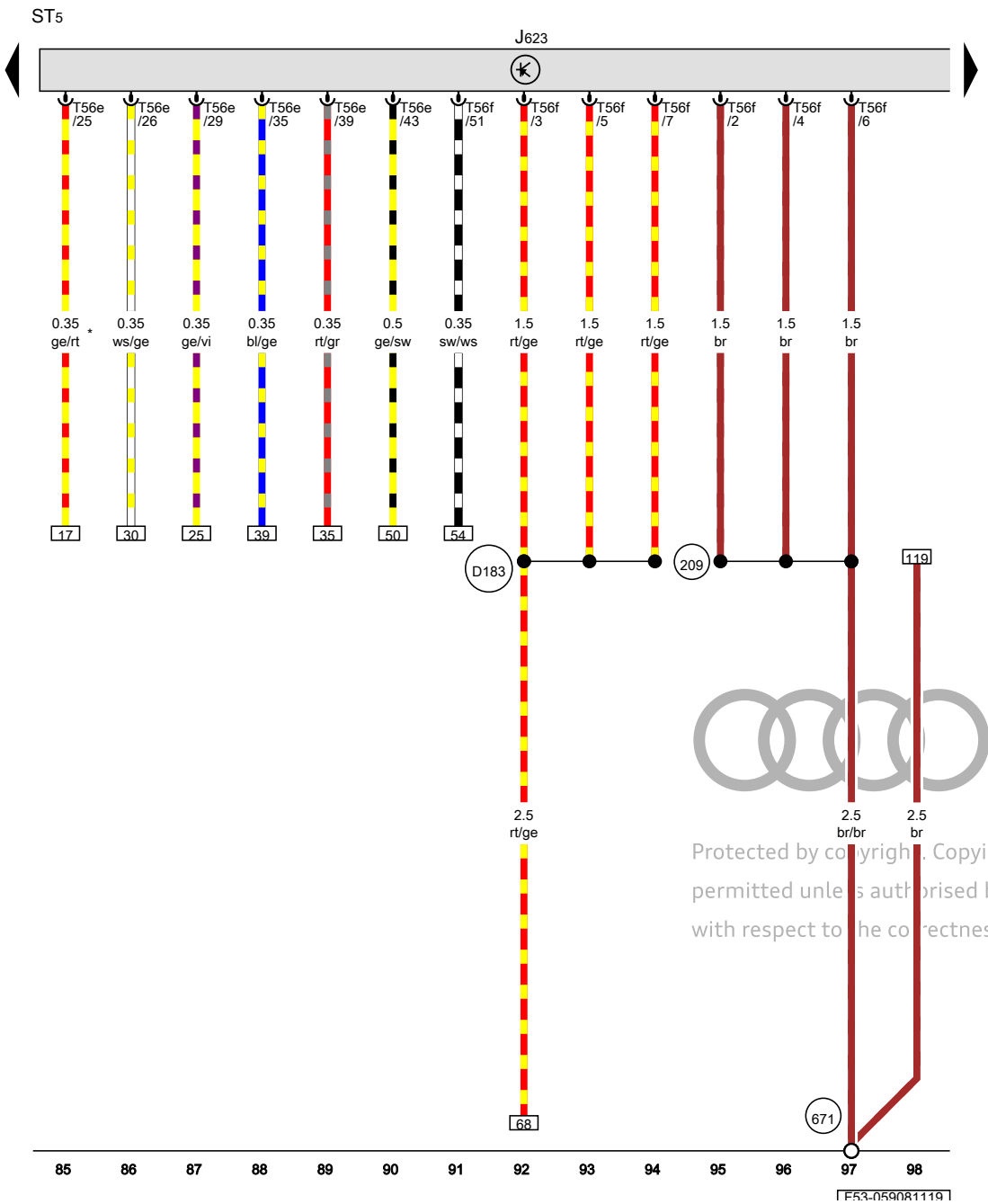

Engine/motor control unit

J623	Engine/motor control unit, front left in engine compartment
ST5	Fuse carrier 5, red
T56e	56-pin connector, black, green
T56f	56-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
*	For models with towing bracket

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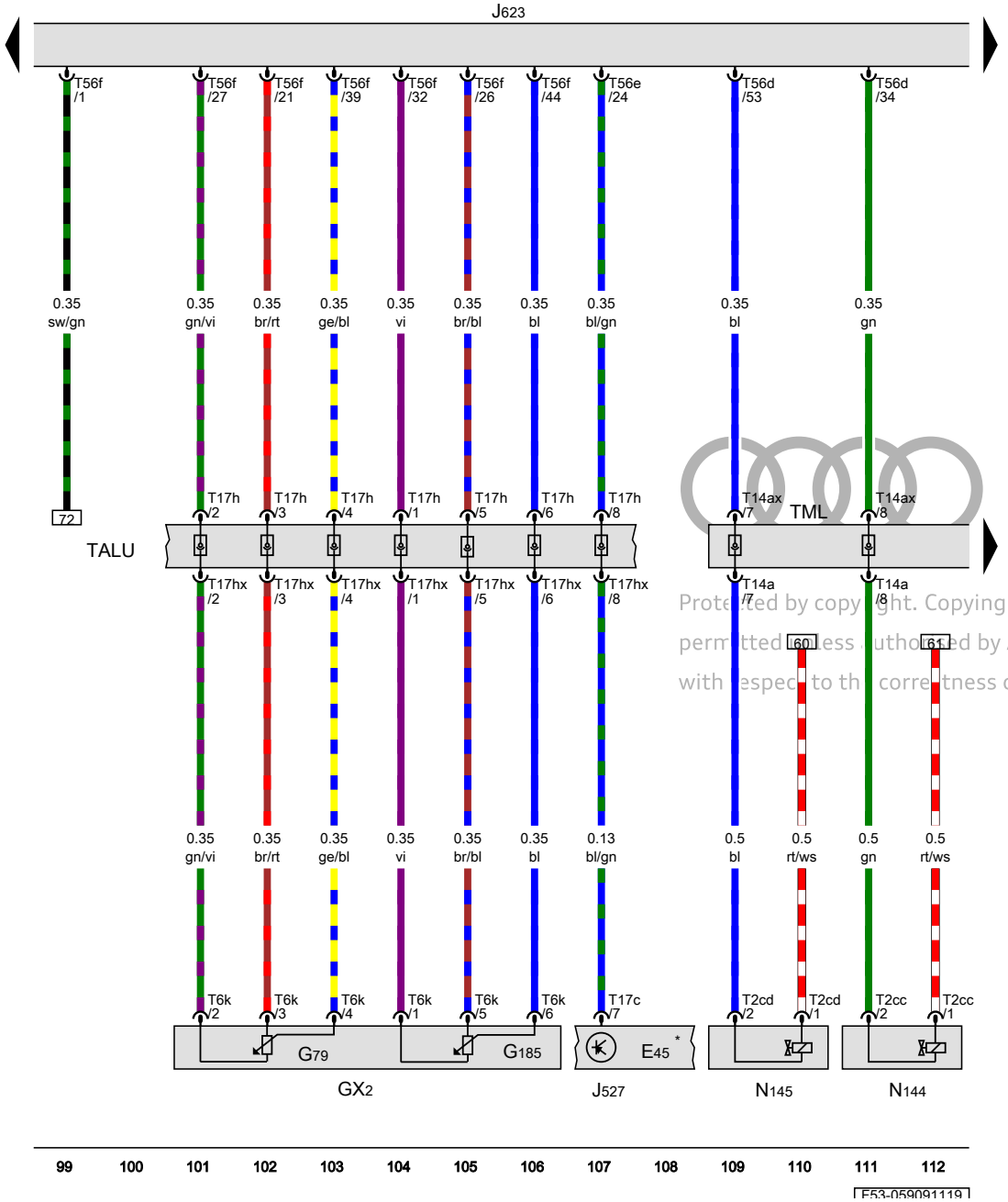

Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T6k	6-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T56d	56-pin connector, black, purple
T56e	56-pin connector, black, green
T56f	56-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TML	Coupling point in engine compartment, left
*	For models with cruise control system (CCS)

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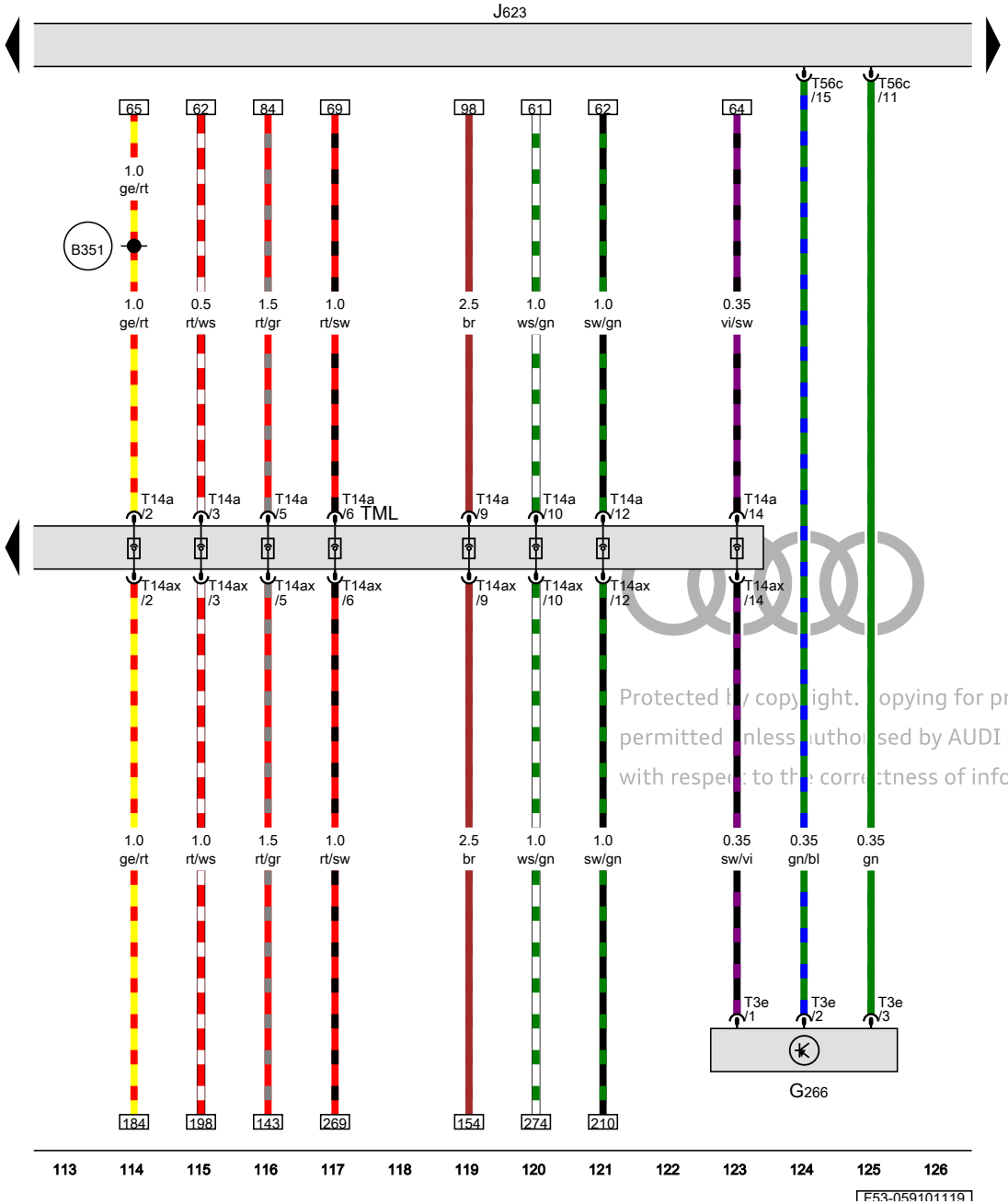

Oil level and oil temperature sender, Engine/motor control unit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T56c	56-pin connector, black, blue
TML	Coupling point in engine compartment, left
B351	Positive connection 2 (87a) in main wiring harness

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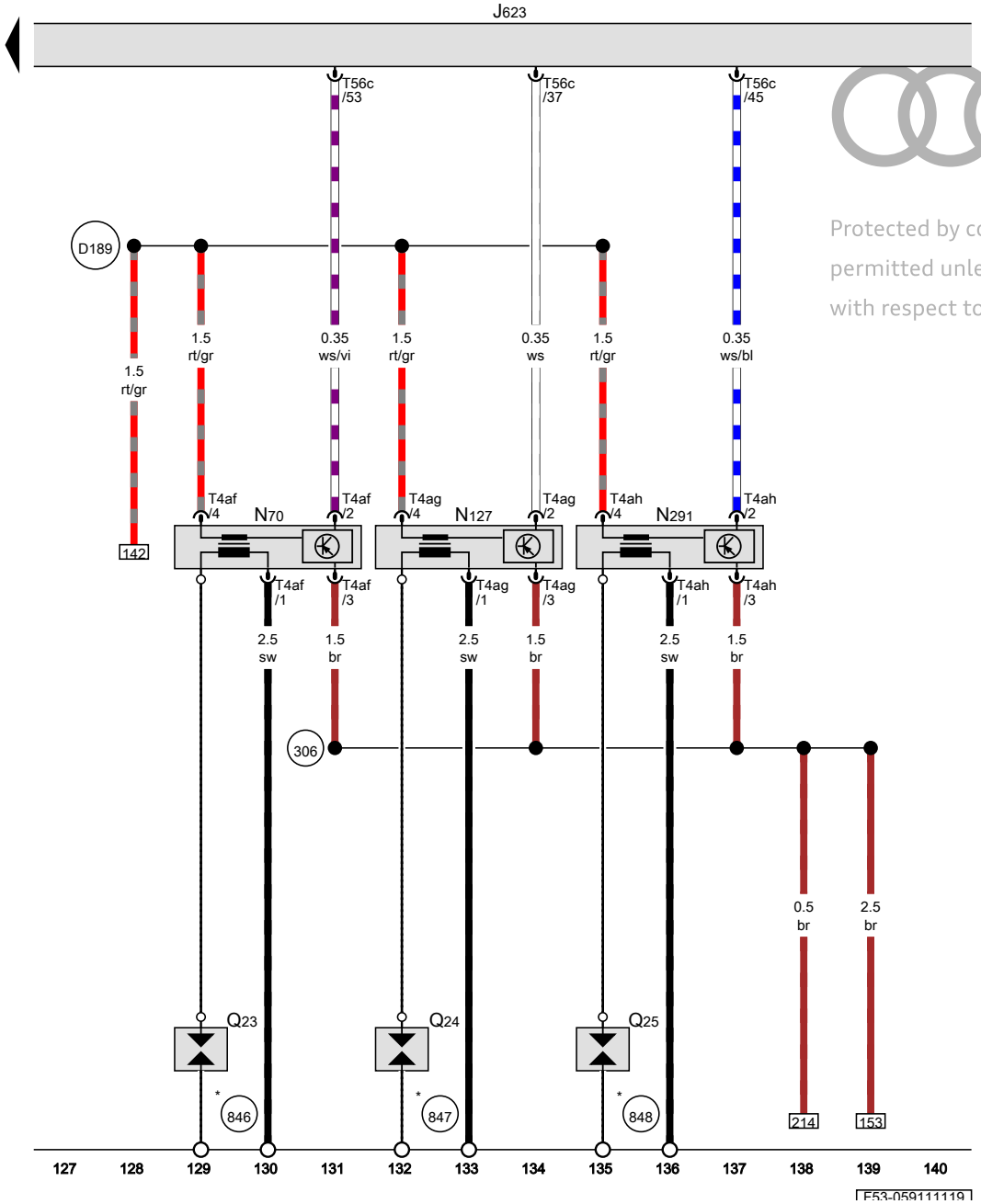

Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Spark plug 1, Spark plug 2, Spark plug 3

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T56c	56-pin connector, black, blue
306	Earth connection (ignition coils), in engine prewiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
D189	Connection (87a) in engine prewiring harness
*	Earth supply via housing

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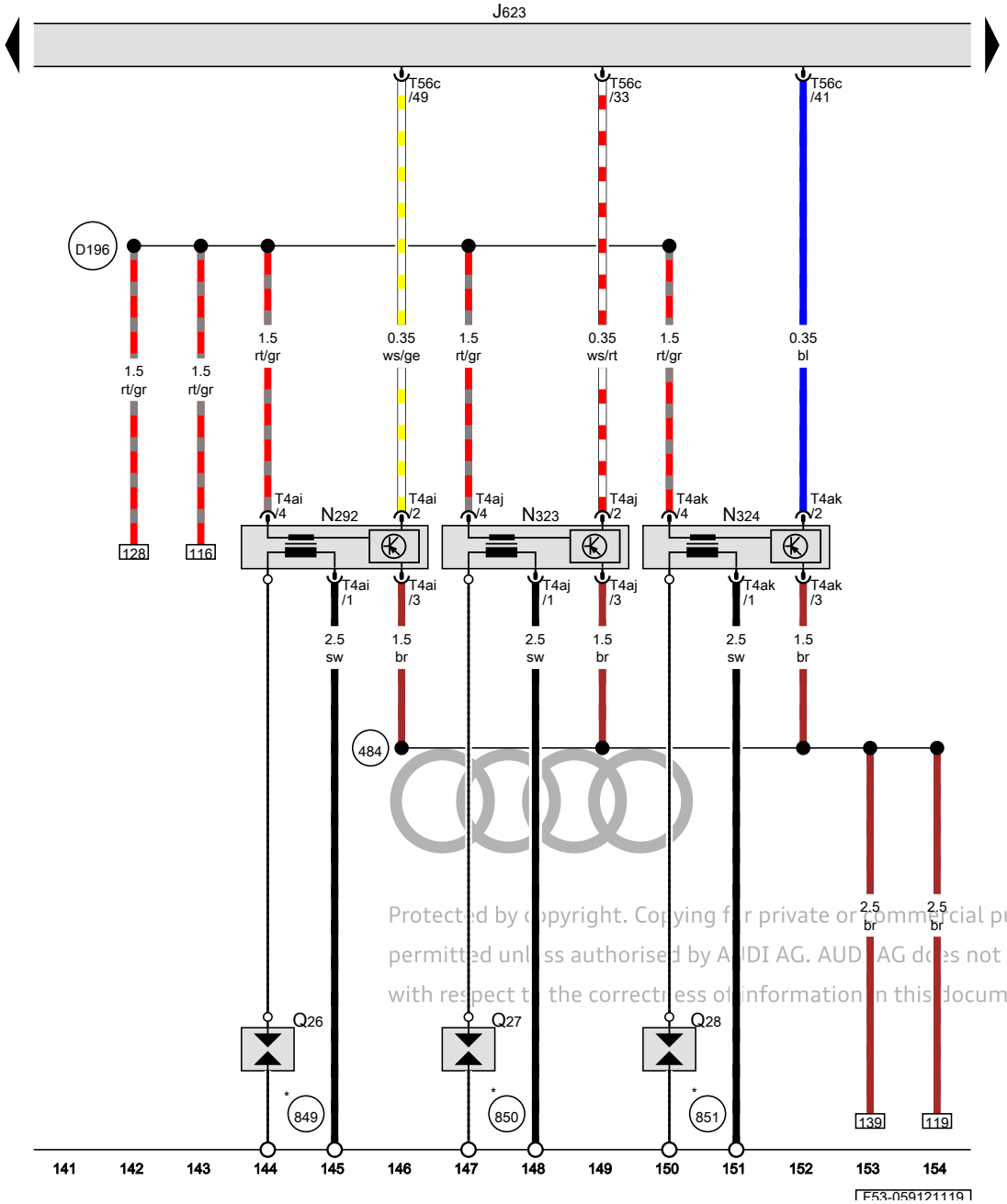

Engine/motor control unit, Ignition coil 4 with output stage, Ignition coil 5 with output stage, Ignition coil 6 with output stage, Spark plug 4, Spark plug 5, Spark plug 6

J623	Engine/motor control unit, front left in engine compartment
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
Q26	Spark plug 4
Q27	Spark plug 5
Q28	Spark plug 6
T4ai	4-pin connector, black
T4aj	4-pin connector, black
T4ak	4-pin connector, black
T56c	56-pin connector, black, blue
484	Earth connection 2 (ignition coils), in engine prewiring harness
849	Earth point on ignition coil 4
850	Earth point on ignition coil 5
851	Earth point on ignition coil 6
D196	Connection 2 (87a) in engine prewiring harness
*	Earth supply via housing

ws	=	white
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ro	=	red
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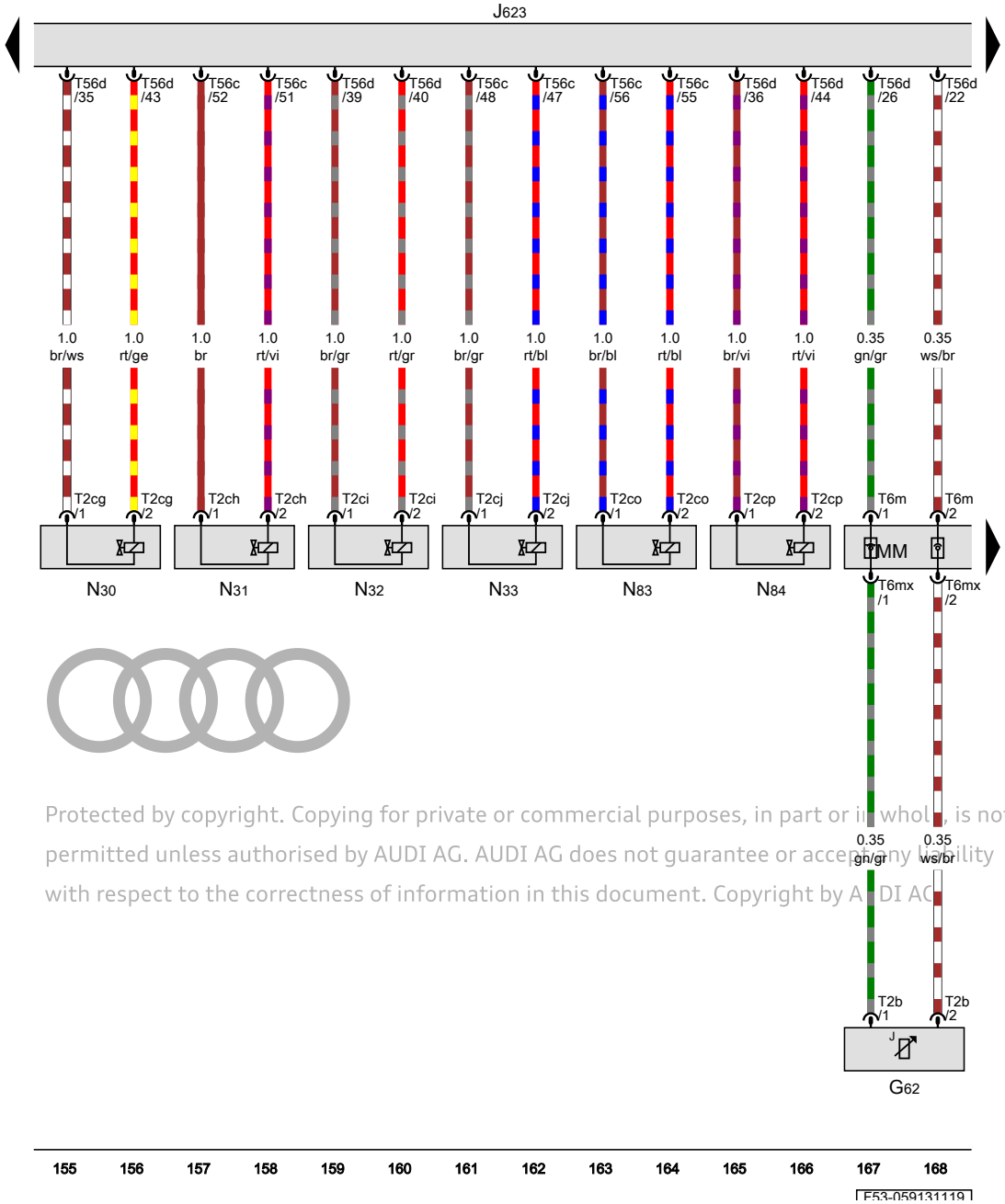
Coolant temperature sender, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Injector, cylinder 6



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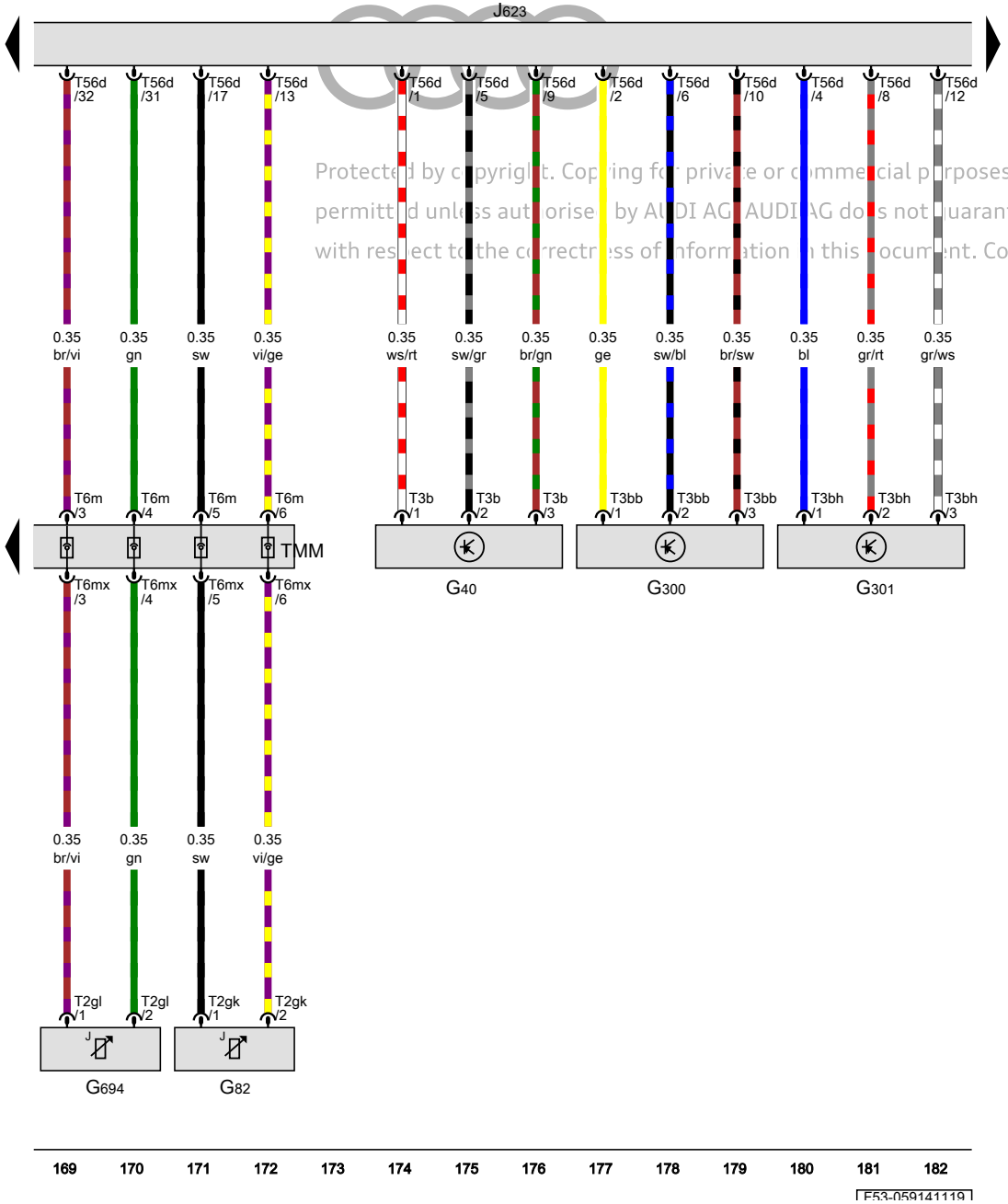
G62	Coolant temperature sender
J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
T2b	2-pin connector, black
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T2co	2-pin connector, black
T2cp	2-pin connector, black
T6m	6-pin connector, black
T6mx	6-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
TMM	Coupling point in engine compartment, centre

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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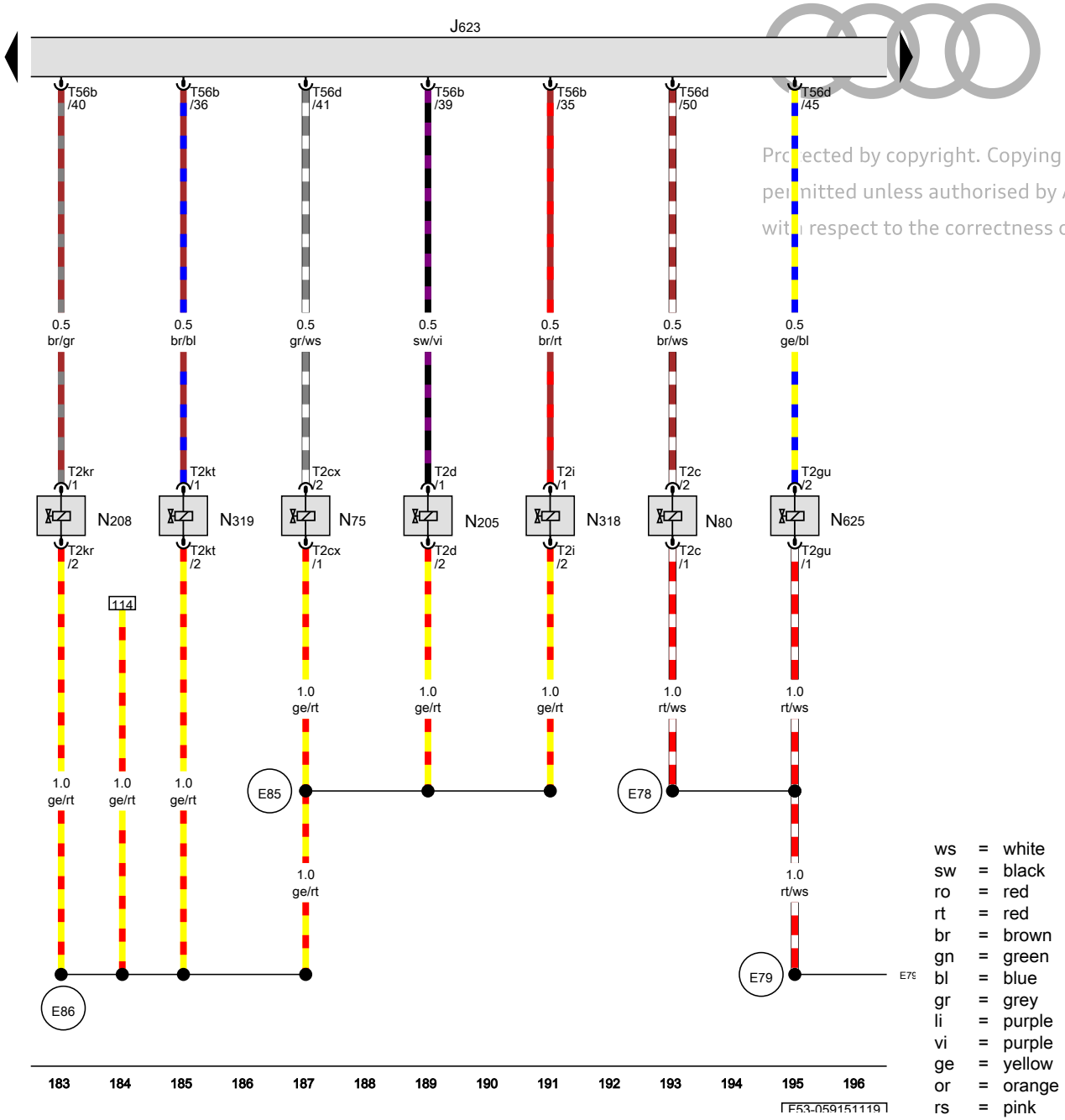
Hall sender, Engine outlet coolant temperature sender, Hall sender 3, Hall sender 4, Temperature sender for engine temperature regulation, Engine/motor control unit

G40	Hall sender
G82	Engine outlet coolant temperature sender
G300	Hall sender 3
G301	Hall sender 4
G694	Temperature sender for engine temperature regulation
J623	Engine/motor control unit, front left in engine compartment
T2gk	2-pin connector, black
T2gl	2-pin connector, black
T3b	3-pin connector, black
T3bb	3-pin connector, black
T3bh	3-pin connector, black
T6m	6-pin connector, black
T6mx	6-pin connector, black
T56d	56-pin connector, black, purple
TMM	Coupling point in engine compartment, centre

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Engine/motor control unit, Charge pressure control solenoid valve, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Camshaft control valve 2, Exhaust camshaft control valve 1, Exhaust camshaft control valve 2, Overrun air recirculation valve for bank 1

J623	Engine/motor control unit, front left in engine compartment
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N208	Camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
N625	Overrun air recirculation valve for bank 1
T2c	2-pin connector, black
T2cx	2-pin connector, black
T2d	2-pin connector, black
T2gu	2-pin connector, black
T2i	2-pin connector, black
T2kr	2-pin connector, black
T2kt	2-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple
E78	Connection 2 (87a) in engine wiring harness
E79	Connection 3 (87a) in engine wiring harness
E85	Connection 9 (87a) in engine wiring harness
E86	Connection 10 (87a) in engine wiring harness

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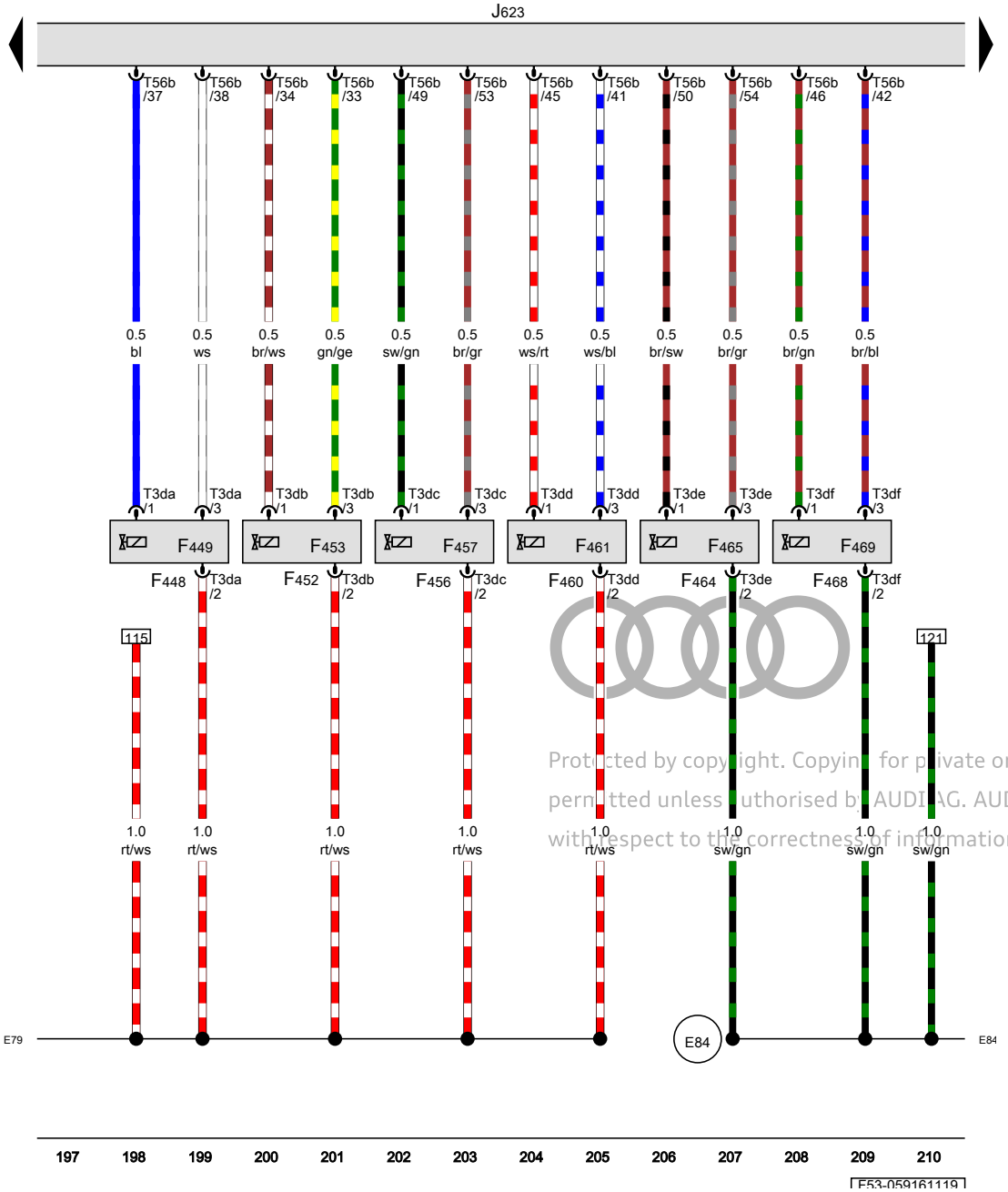

Inlet cam actuator 1 for cylinder 1, Inlet cam actuator 1 for cylinder 2, Inlet cam actuator 1 for cylinder 3, Inlet cam actuator 1 for cylinder 4, Inlet cam actuator 1 for cylinder 5, Inlet cam actuator 1 for cylinder 6, Engine/motor control unit

F448	Inlet cam actuator 1 for cylinder 1
F449	Inlet cam actuator 2 for cylinder 1
F452	Inlet cam actuator 1 for cylinder 2
F453	Inlet cam actuator 2 for cylinder 2
F456	Inlet cam actuator 1 for cylinder 3
F457	Inlet cam actuator 2 for cylinder 3
F460	Inlet cam actuator 1 for cylinder 4
F461	Inlet cam actuator 2 for cylinder 4
F464	Inlet cam actuator 1 for cylinder 5
F465	Inlet cam actuator 2 for cylinder 5
F468	Inlet cam actuator 1 for cylinder 6
F469	Inlet cam actuator 2 for cylinder 6
J623	Engine/motor control unit, front left in engine compartment
T3da	3-pin connector, black
T3db	3-pin connector, black
T3dc	3-pin connector, black
T3dd	3-pin connector, black
T3de	3-pin connector, black
T3df	3-pin connector, black
T56b	56-pin connector, black, white
E79	Connection 3 (87a) in engine wiring harness
E84	Connection 8 (87a) in engine wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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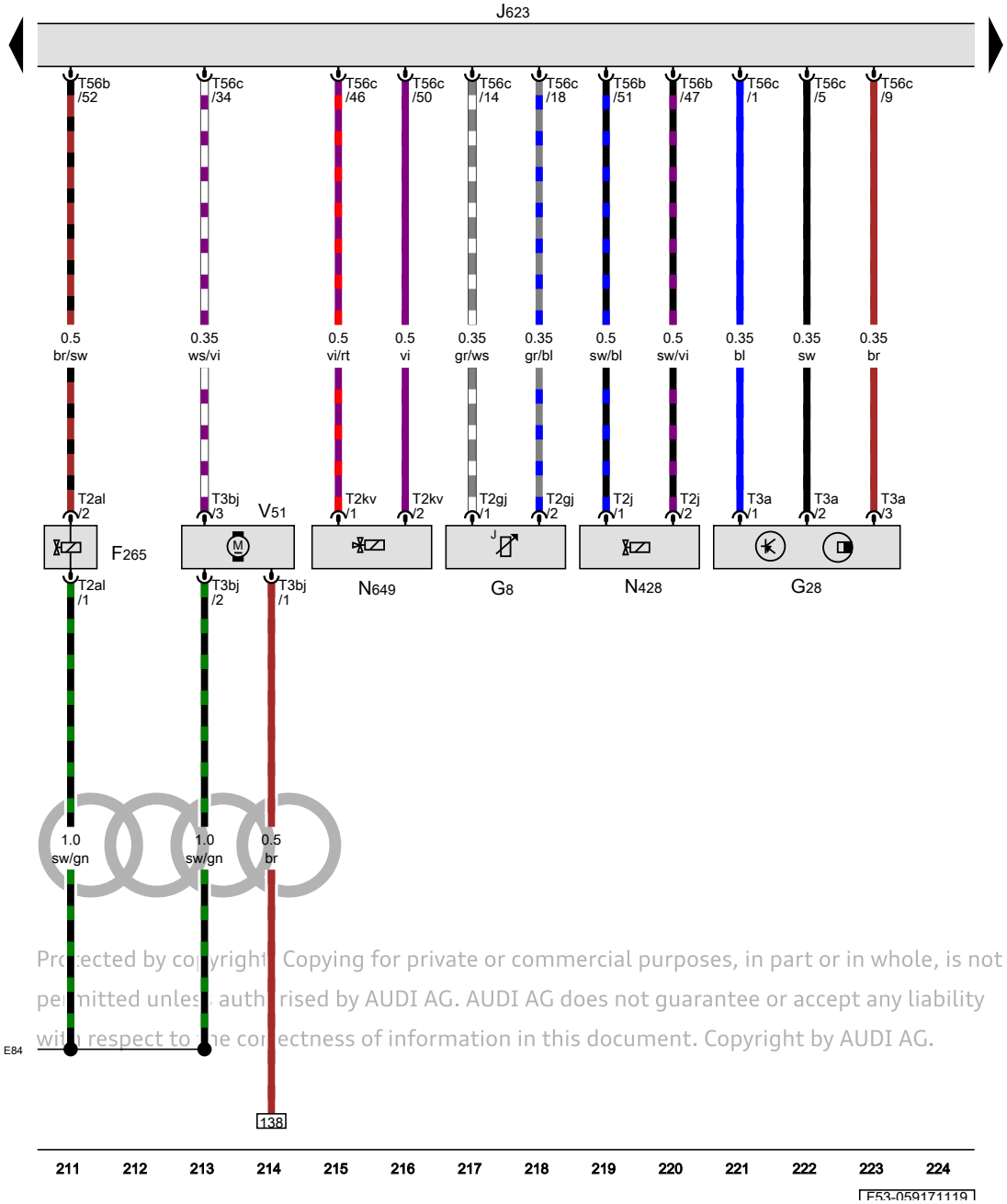

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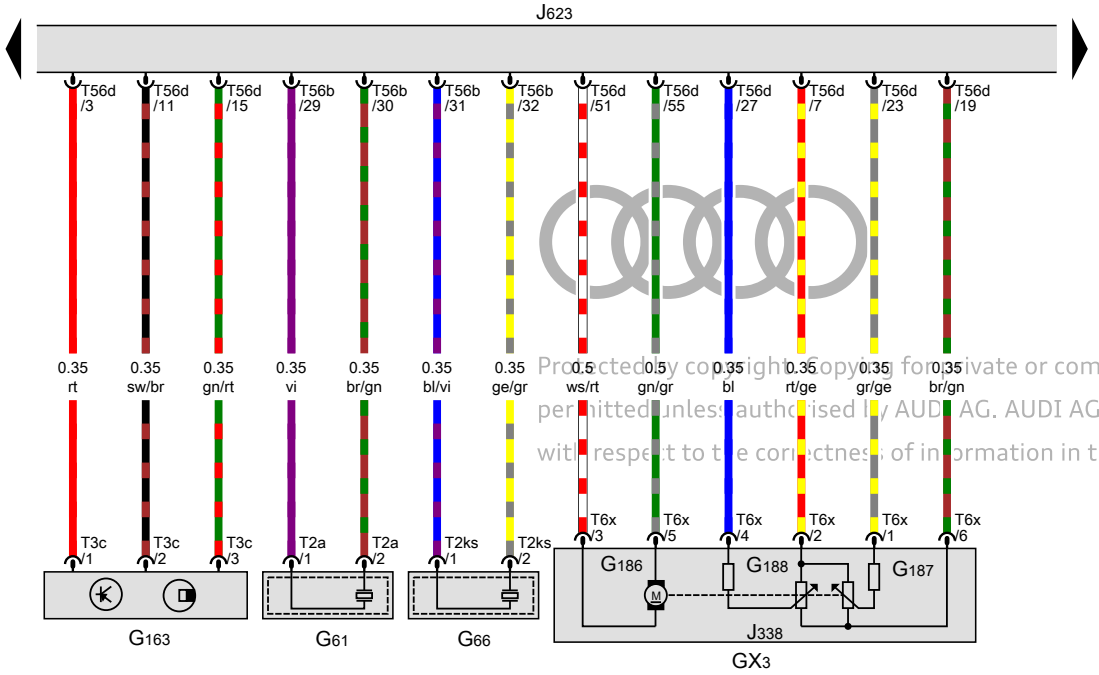
Map-controlled engine cooling system thermostat, Oil temperature sender, Engine speed sender, Engine/motor control unit, Valve for oil pressure control, Switch valve for mechanical coolant pump, Continued coolant circulation pump

F265	Map-controlled engine cooling system thermostat
G8	Oil temperature sender
G28	Engine speed sender
J623	Engine/motor control unit, front left in engine compartment
N428	Valve for oil pressure control
N649	Switch valve for mechanical coolant pump
T2al	2-pin connector, black
T2gj	2-pin connector, black
T2j	2-pin connector, black
T2kv	2-pin connector, black
T3a	3-pin connector, black
T3bj	3-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
V51	Continued coolant circulation pump
E84	Connection 8 (87a) in engine wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Throttle valve module, Knock sensor 1, Knock sensor 2, Hall sender 2, Engine/motor control unit

GX3	Throttle valve module
G61	Knock sensor 1
G66	Knock sensor 2
G163	Hall sender 2
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T2a	2-pin connector, black
T2ks	2-pin connector, black
T3c	3-pin connector, black
T6x	6-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple



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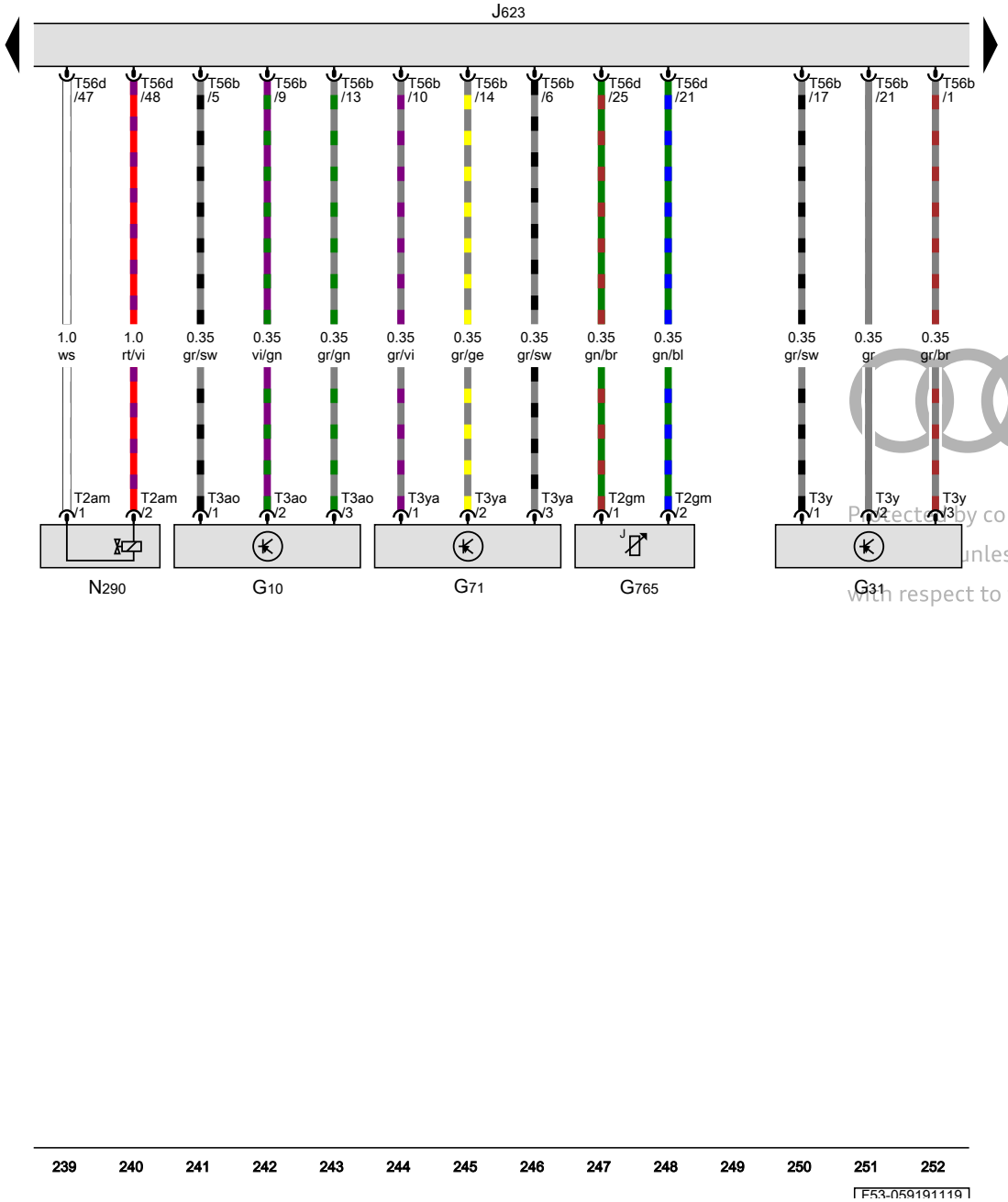
225 226 227 228 229 230 231 232 233 234 235 236 237 238

F53-0591811119

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Oil pressure sender, Charge pressure sender, Intake manifold pressure sender, Temperature sender for engine cover panel, Engine/motor control unit, Fuel metering valve

G10	Oil pressure sender
G31	Charge pressure sender
G71	Intake manifold pressure sender
G765	Temperature sender for engine cover panel
J623	Engine/motor control unit, front left in engine compartment
N290	Fuel metering valve
T2am	2-pin connector, black
T2gm	2-pin connector, black
T3ao	3-pin connector, black
T3y	3-pin connector, black
T3ya	3-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple

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ws	=	white
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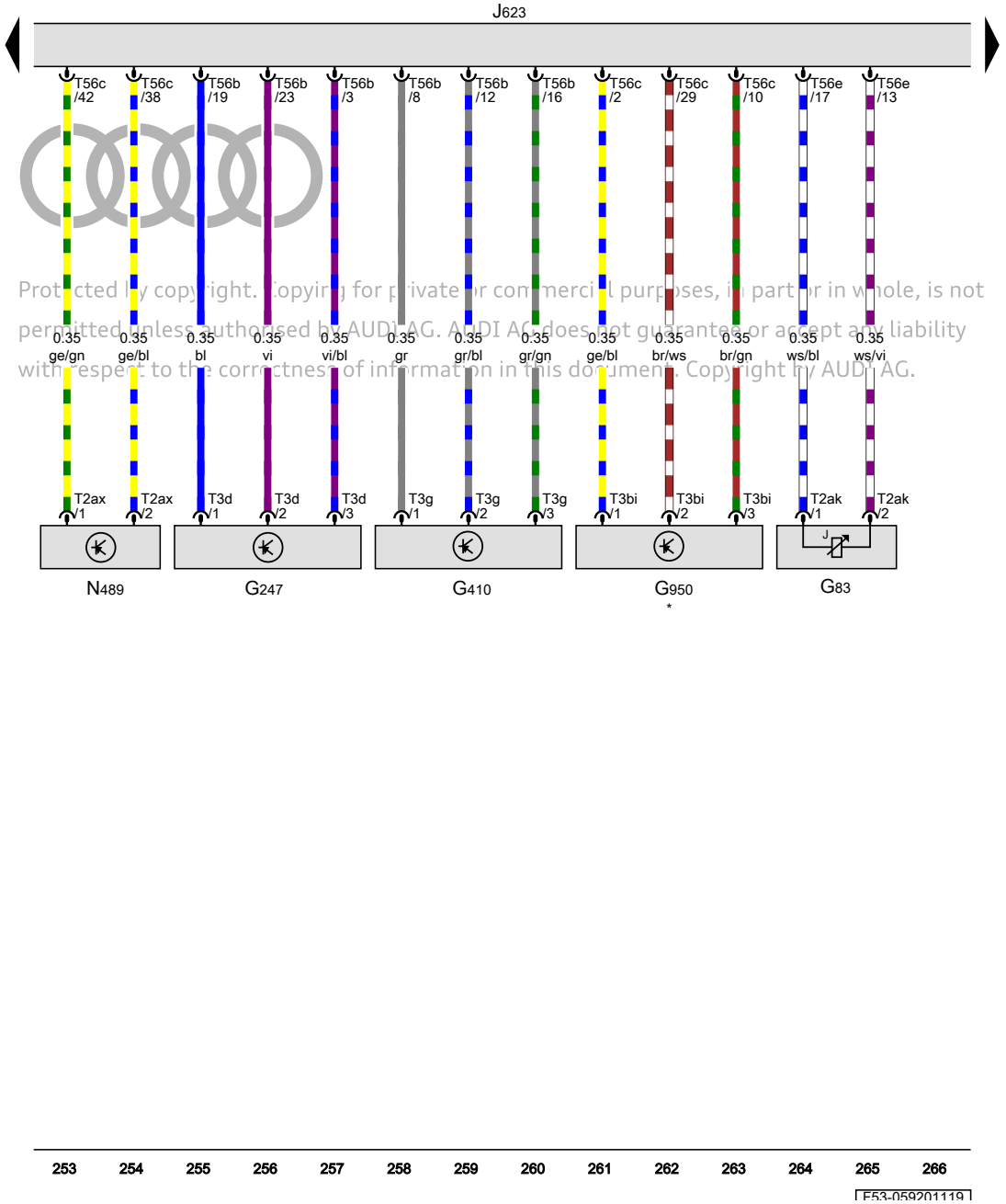
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radiator outlet coolant temperature sender, Fuel pressure sender, Fuel pressure sender for low pressure, Tank breather pressure sensor 1, Engine/motor control unit, Coolant valve for cylinder head



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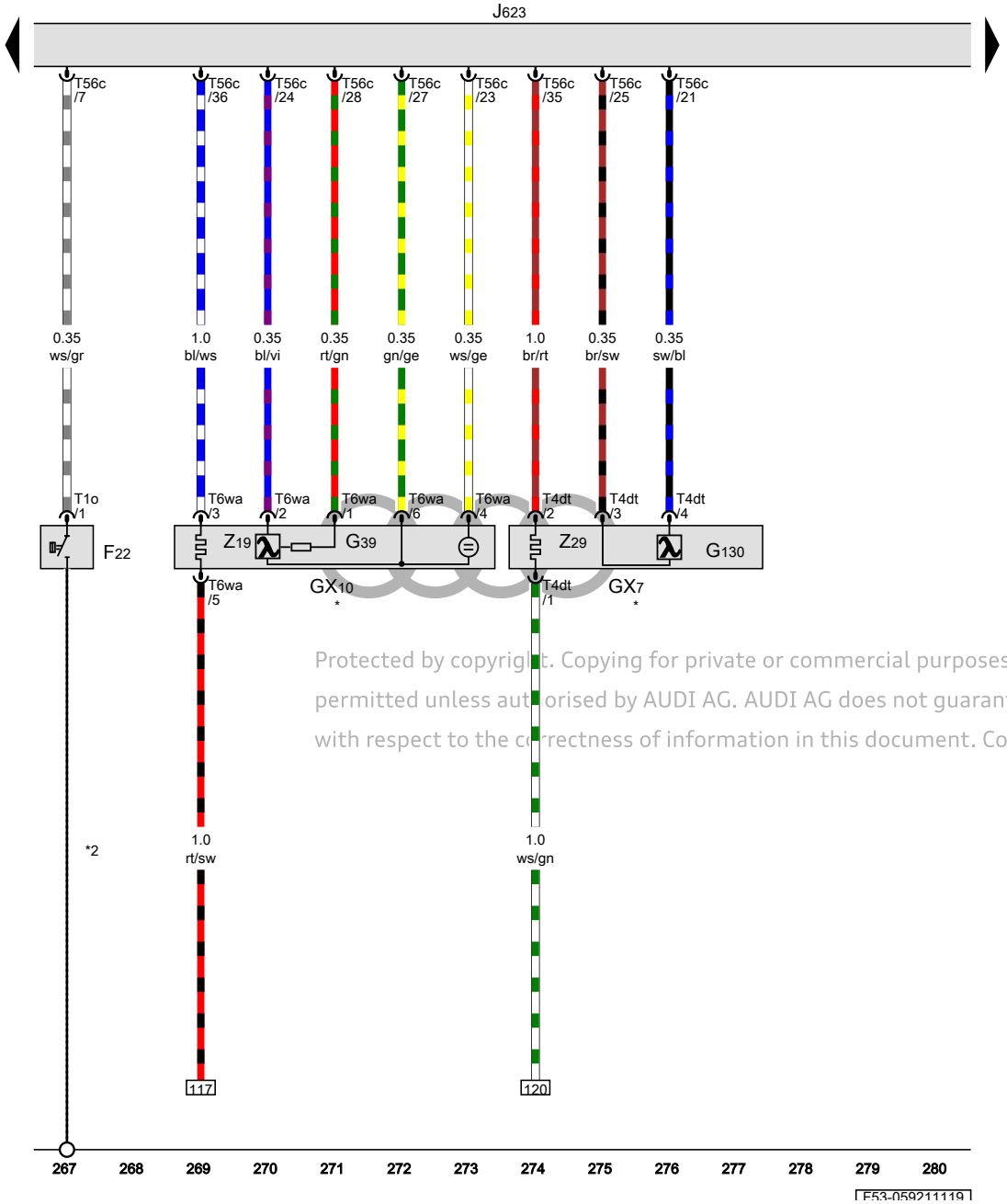
G83		Radiator outlet coolant temperature sender
G247		Fuel pressure sender
G410		Fuel pressure sender for low pressure
G950		Tank breather pressure sensor 1
J623		Engine/motor control unit, front left in engine compartment
N489		Coolant valve for cylinder head
T2ak		2-pin connector, black
T2ax		2-pin connector, black
T3bi		3-pin connector, black
T3d		3-pin connector, black
T3g		3-pin connector, black
T56b		56-pin connector, black, white
T56c		56-pin connector, black, blue
T56e		56-pin connector, black, green
*		For American markets

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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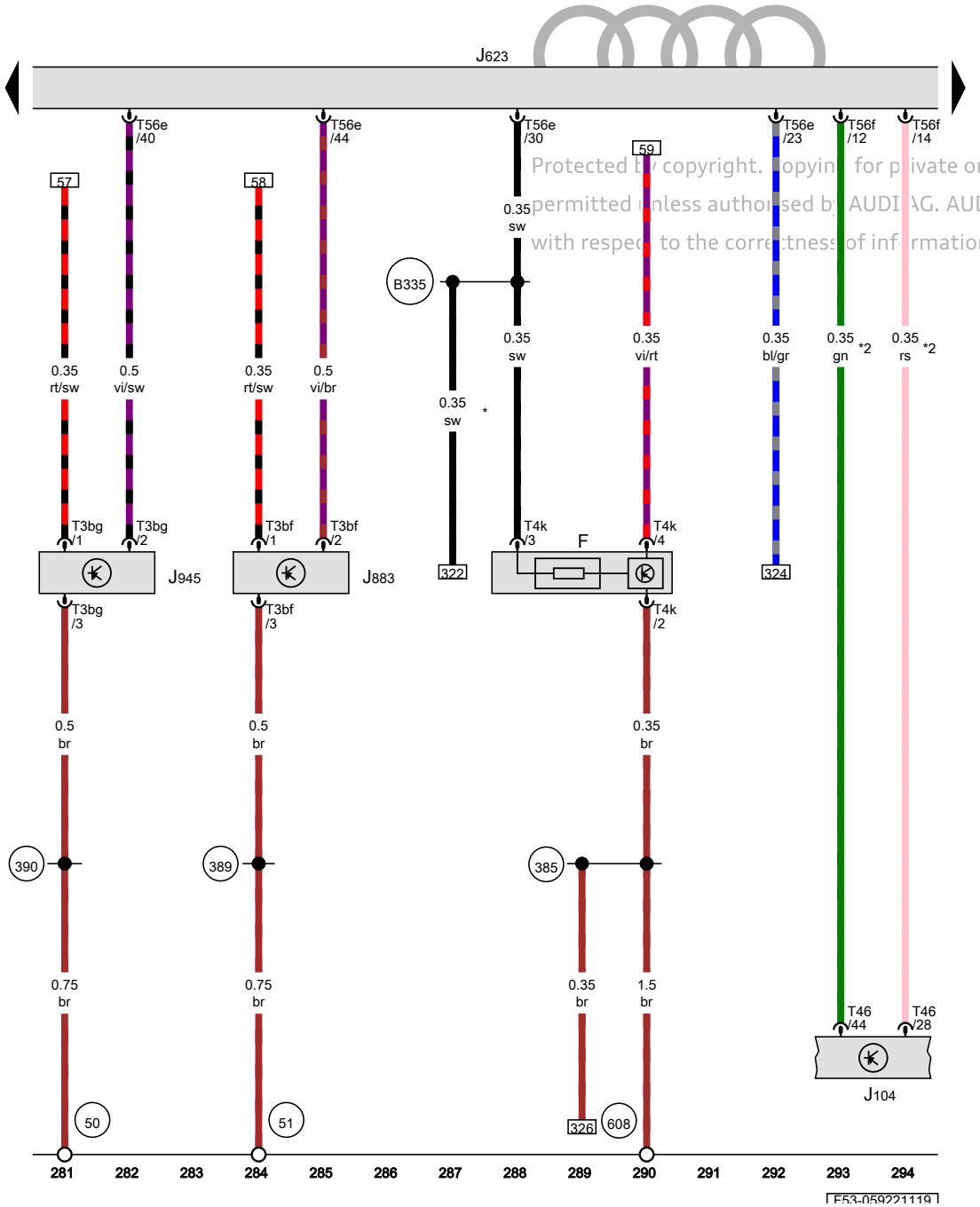
Oil pressure switch, Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Lambda probe, Lambda probe after catalytic converter, Engine/motor control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

F22	Oil pressure switch
GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine/motor control unit, front left in engine compartment
T1o	1-pin connector, black
T4dt	4-pin connector, black
T6wa	6-pin connector, black
T56c	56-pin connector, black, blue
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
*	Pre-wired component
*2	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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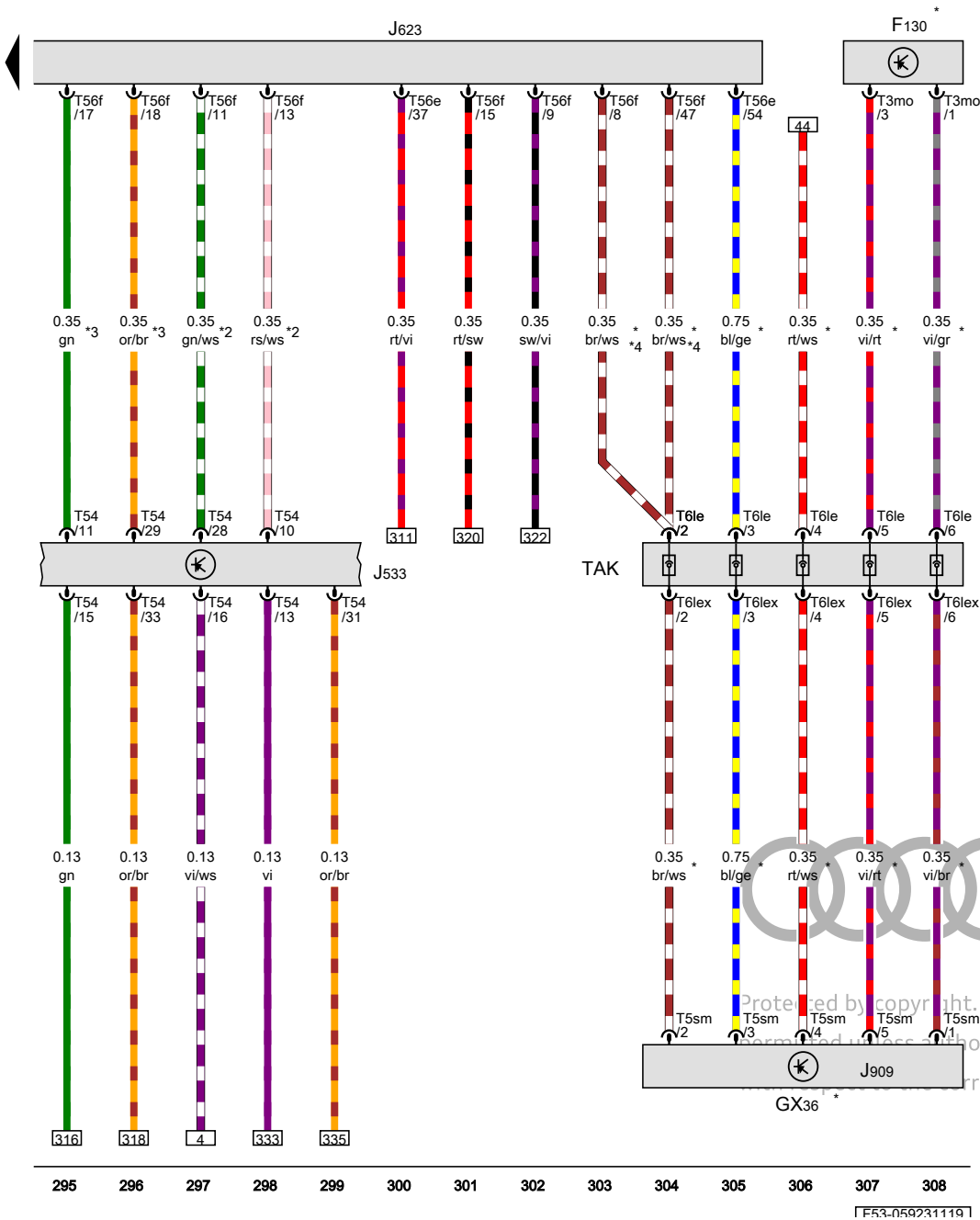
Brake light switch, Engine/motor control unit, Exhaust flap control unit, Exhaust flap control unit 2

F	Brake light switch, on brake servo
J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
J883	Exhaust flap control unit
J945	Exhaust flap control unit 2
T3bf	3-pin connector, black
T3bg	3-pin connector, black
T4k	4-pin connector, black
T46	46-pin connector, black
T56e	56-pin connector, black, green
T56f	56-pin connector, black
50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
385	Earth connection 20, in main wiring harness
389	Earth connection 24, in main wiring harness
390	Earth connection 25, in main wiring harness
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
*	Cross section depends on equipment
*2	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuel pump run-on pressure switch, Fuel tank leak detection module, Data bus diagnostic interface, Engine/motor control unit

F130	Fuel pump run-on pressure switch
GX36	Fuel tank leak detection module
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
J909	Control unit for fuel tank leak detection
T3mo	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T54	54-pin connector, black
T56e	56-pin connector, black, green
T56f	56-pin connector, black
TAK	Coupling point for fuel tank
*	For American markets
*2	Data bus wire (FlexRay bus)
*3	Data bus wire (CAN bus)
*4	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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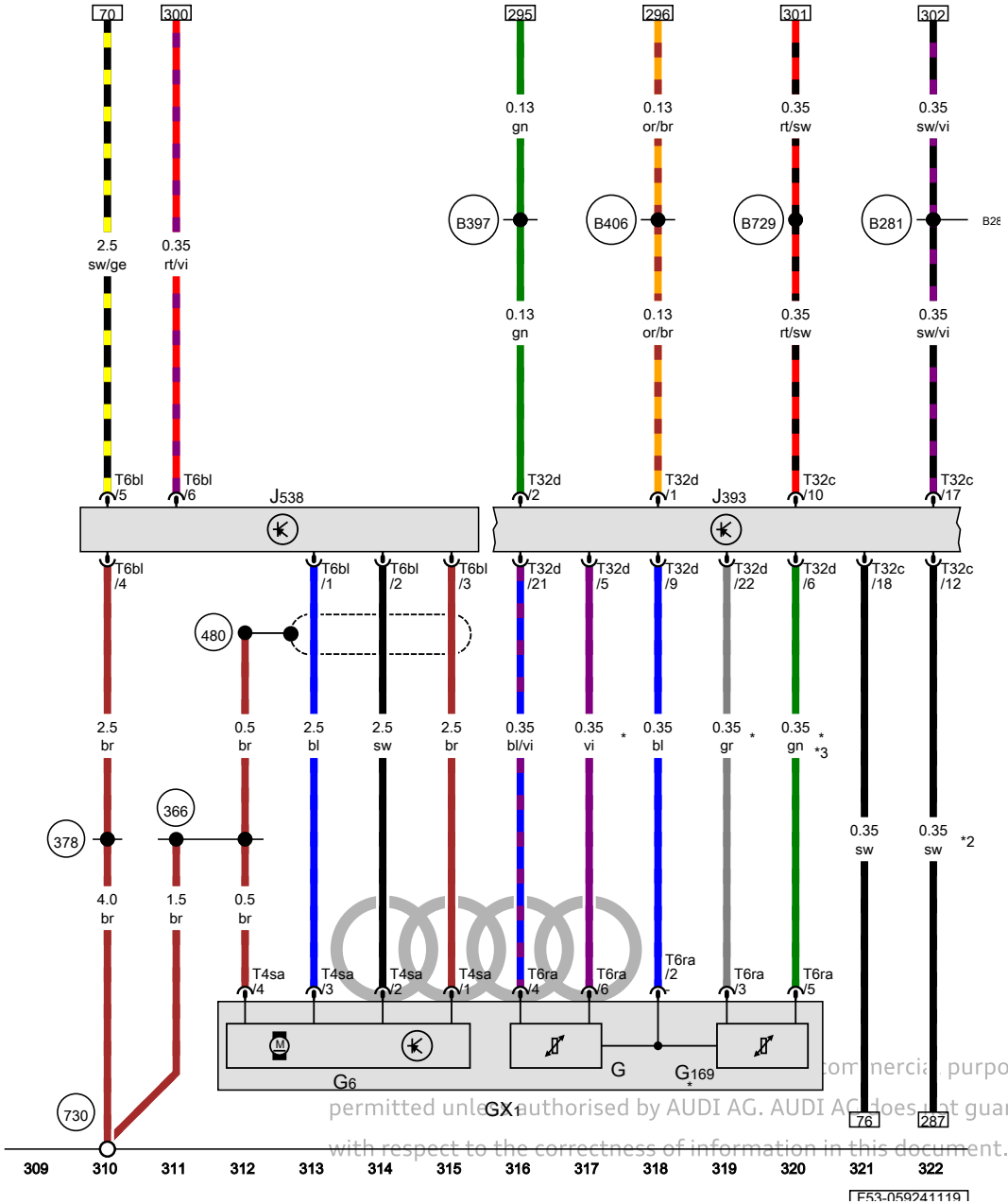
Fuel delivery unit, Convenience system central control unit, Fuel pump control unit



ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	According to equipment
*2	Cross section depends on equipment
*3	Up to July 2018

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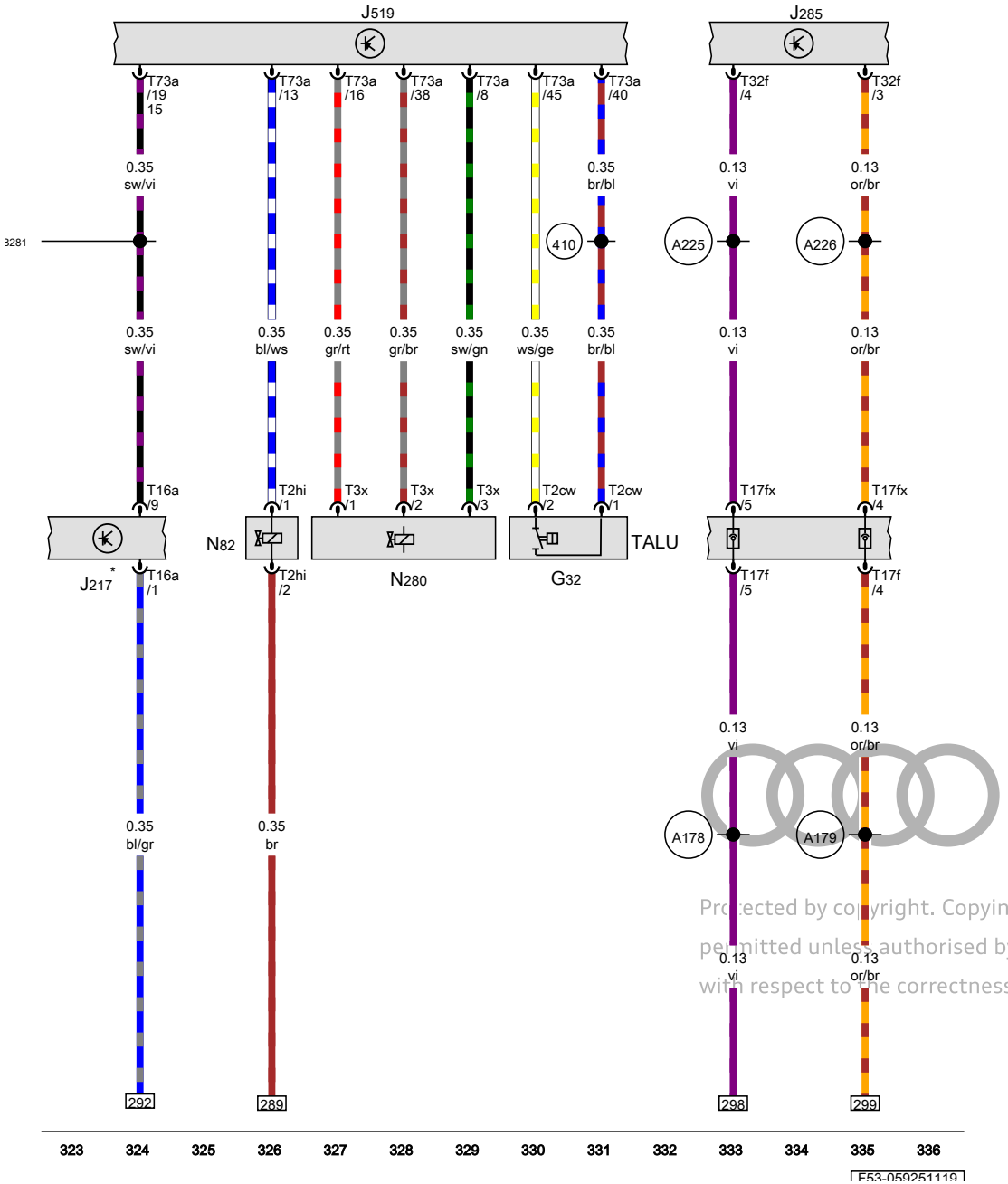

Coolant shortage indicator sender, Automatic gearbox control unit, Control unit in dash panel insert, Onboard supply control unit, Coolant shut-off valve, Air conditioner compressor regulating valve

G32	Coolant shortage indicator sender
J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T3x	3-pin connector, black
T16a	16-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
T73a	73-pin connector, black
TALU	Coupling point on left A-pillar, bottom
410	Earth connection 1 (sender earth) in main wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for automatic gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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3.0l diesel engine , DCPC,DCPE

From July 2016

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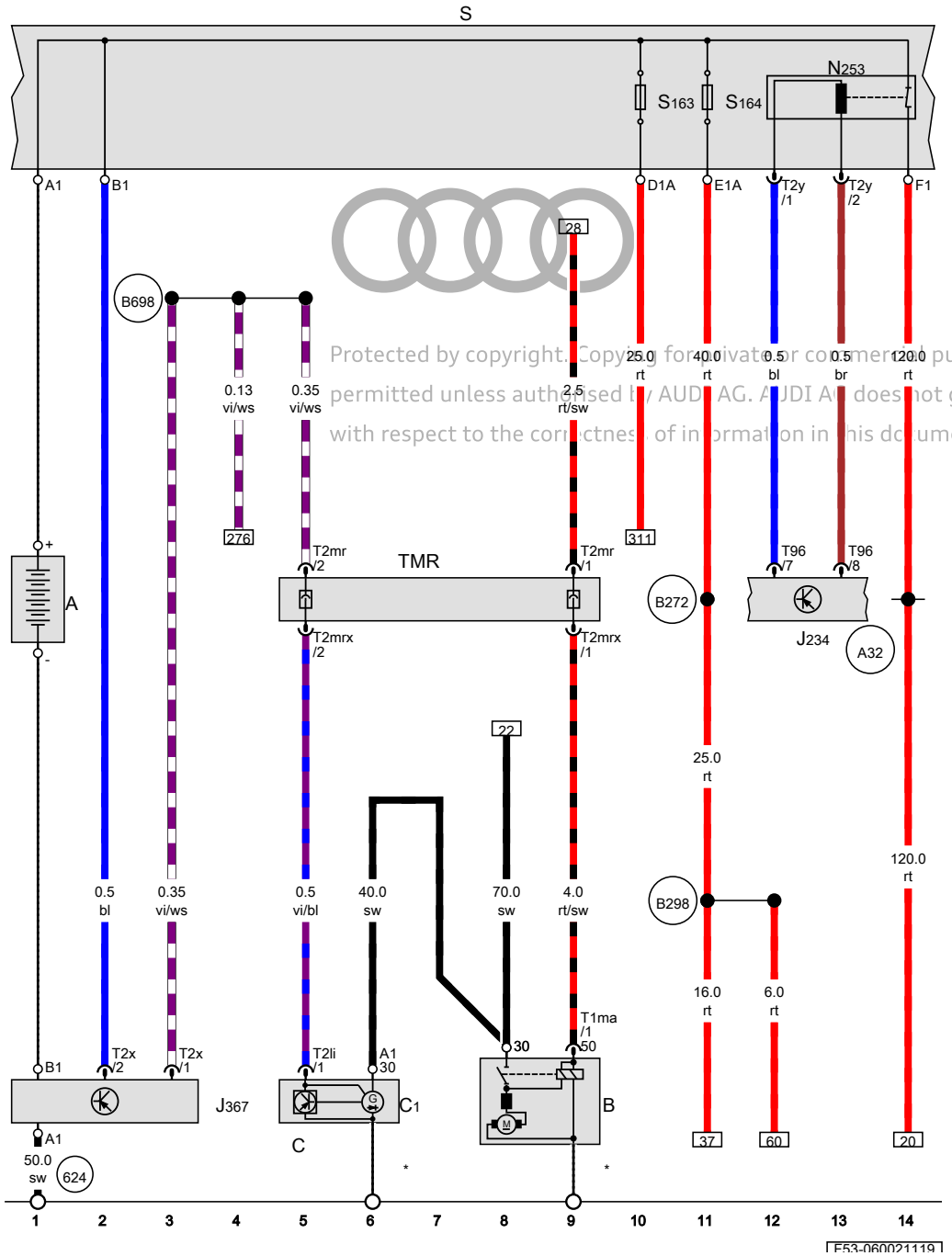

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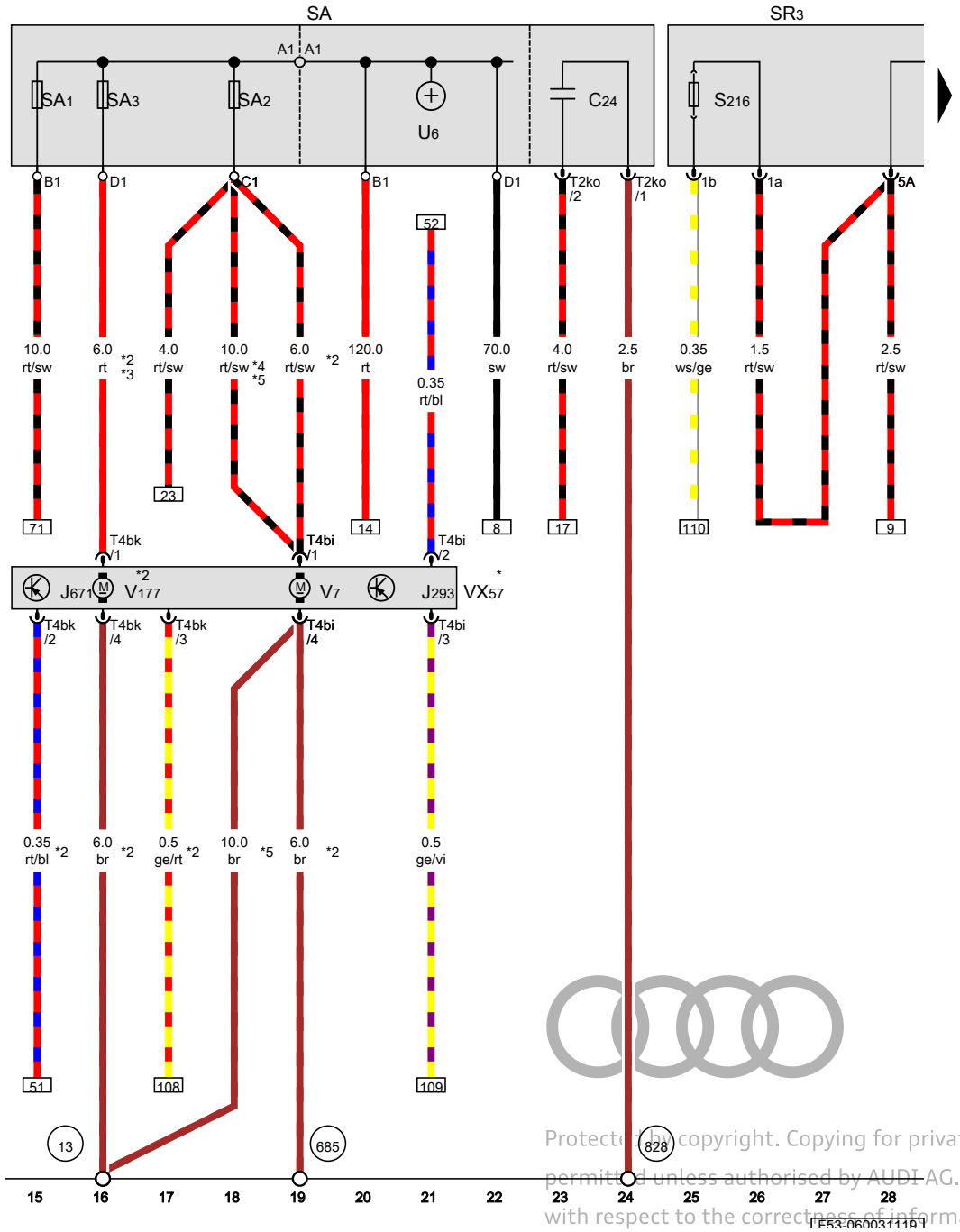
Battery, Starter, Alternator, Battery monitor control unit, Battery isolation igniter, Fuses in fuse holder

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
A32	Positive connection (30), in dash panel wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Suppression filter, Fuse holder A, Relay and fuse carrier 3, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
J671	Radiator fan control unit 2
SA	Fuse holder A
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SR3	Relay and fuse carrier 3
S216	Fuse (50)
T2ko	2-pin connector, black
T4bi	4-pin connector, black
T4bk	4-pin connector, black
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
V177	Radiator fan 2
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with towing bracket
*3	Wiring colour depends on equipment
*4	Different wire colour possible
*5	For models with no towing bracket

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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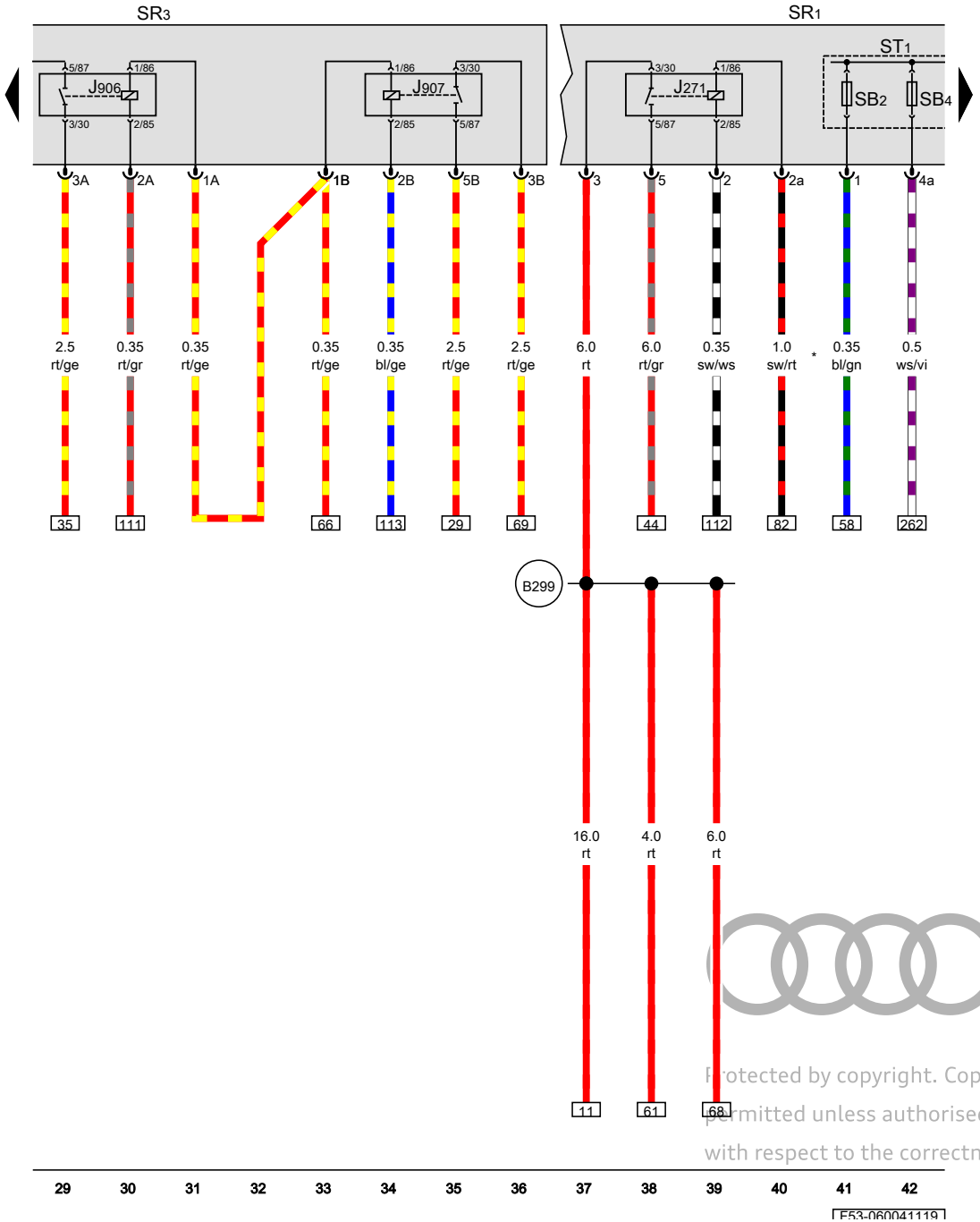

Main relay, Starter relay 1, Starter relay 2, Fuse carrier 1, Relay and fuse carrier 1, Relay and fuse carrier 3

J271	Main relay
J906	Starter relay 1
J907	Starter relay 2
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
SR3	Relay and fuse carrier 3
SB4	Fuse 4 on fuse holder B
B299	Positive connection 3 (30), in main wiring harness
*	Up to July 2018

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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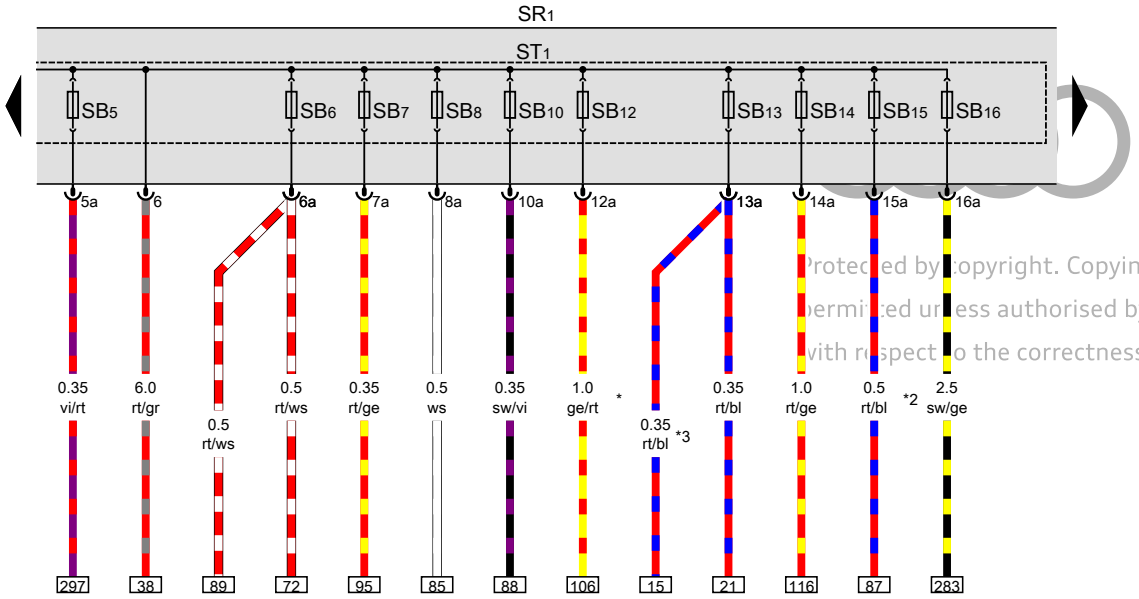

Fuse carrier 1, Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
*	Cross section depends on equipment
*2	Wiring colour depends on equipment
*3	For models with towing bracket

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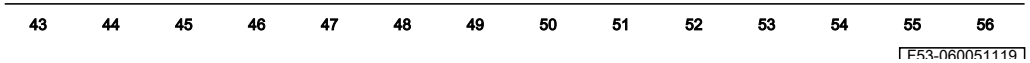
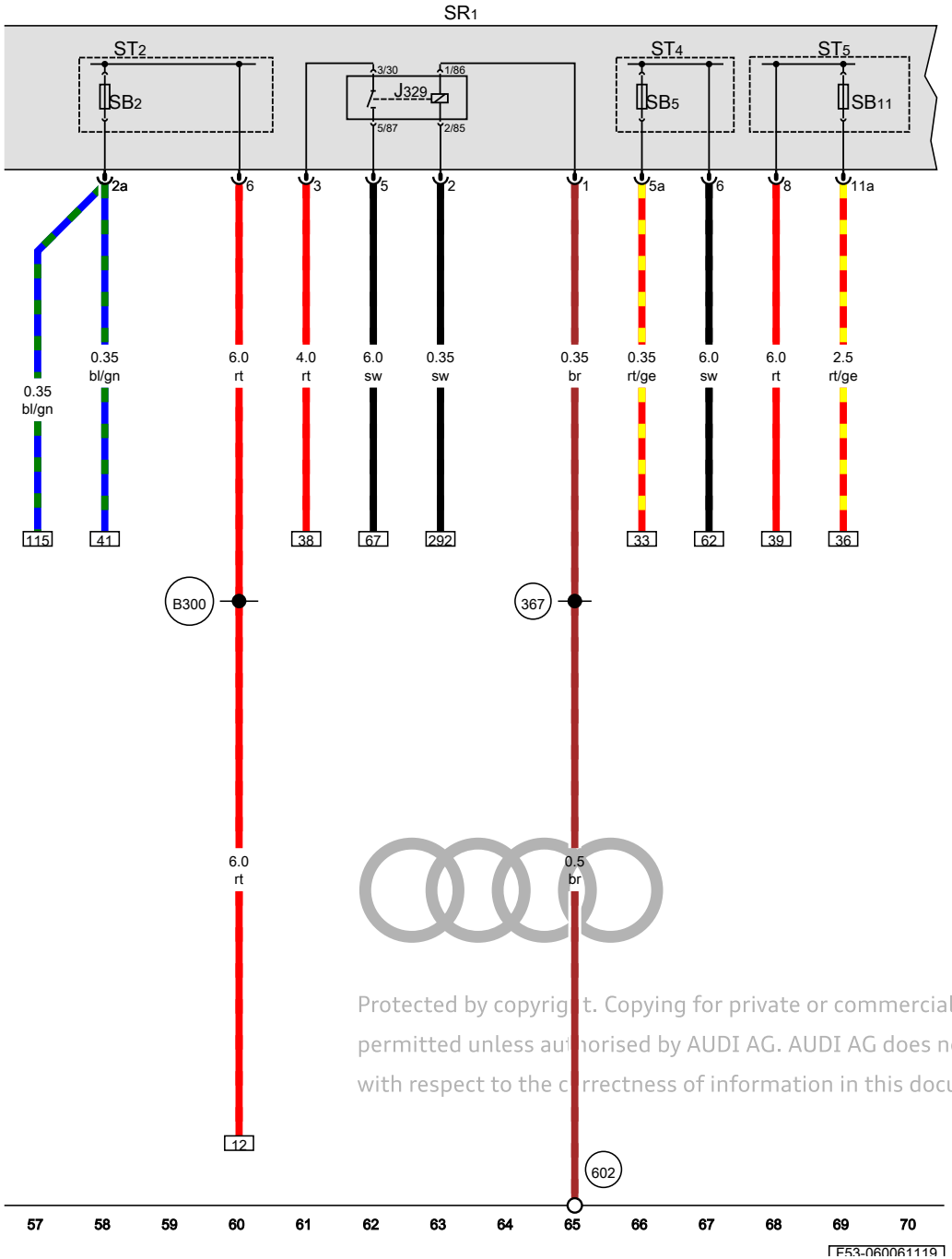
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay
SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B

367 Earth connection 2, in main wiring harness

602 Earth point, in front left footwell

B300 Positive connection 4 (30), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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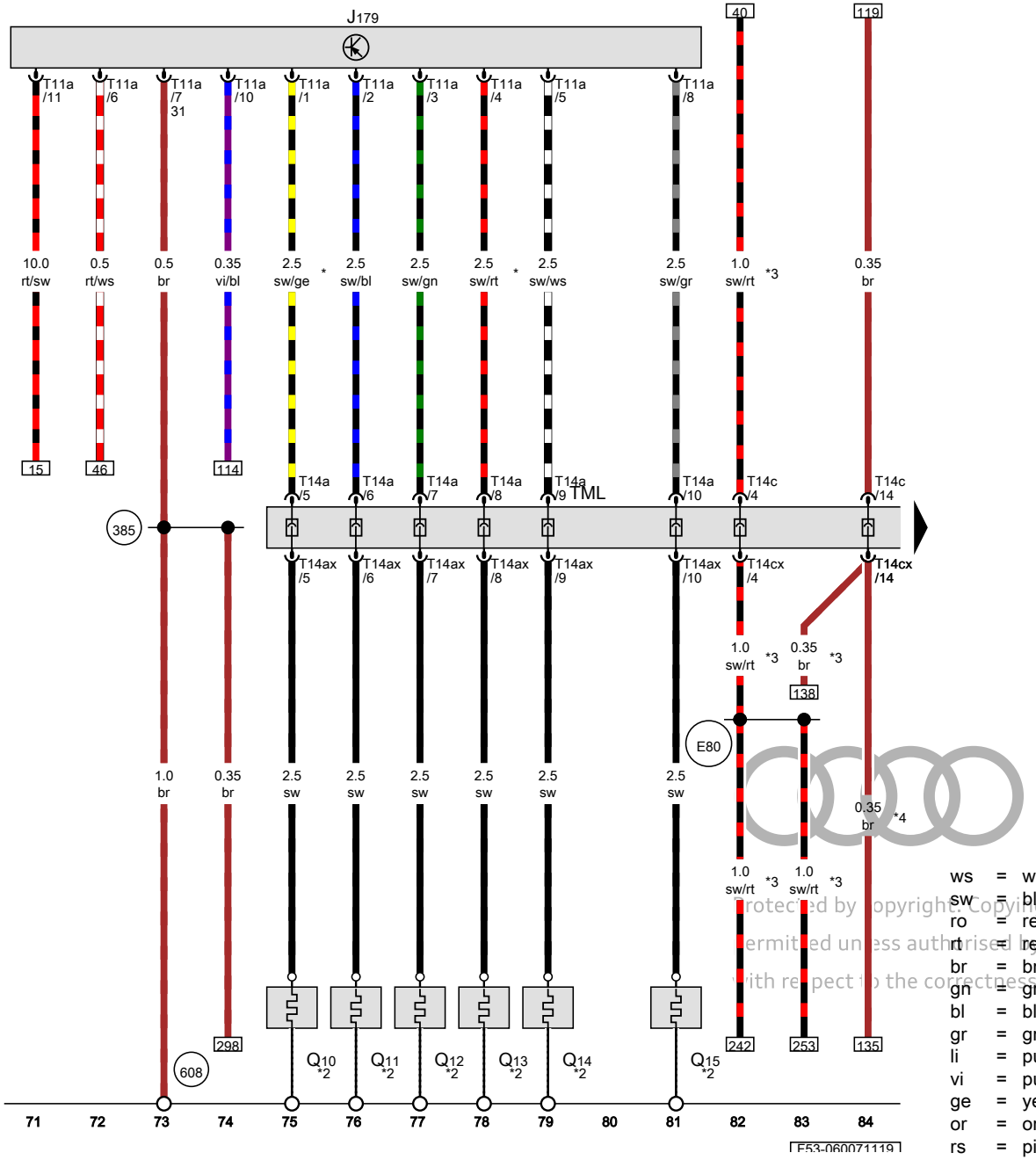
Automatic glow period control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Glow plug 5, Glow plug 6

J179	Automatic glow period control unit
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
Q14	Glow plug 5
Q15	Glow plug 6
T11a	11-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
TML	Coupling point in engine compartment, left
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
E80	Connection 4 (87a) in engine wiring harness
*	Wiring colour depends on equipment
*2	Earth supply via housing
*3	Up to July 2018
*4	From August 2018



ws	=	white
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ro	=	red
rt	=	red
br	=	brown
gn	=	green
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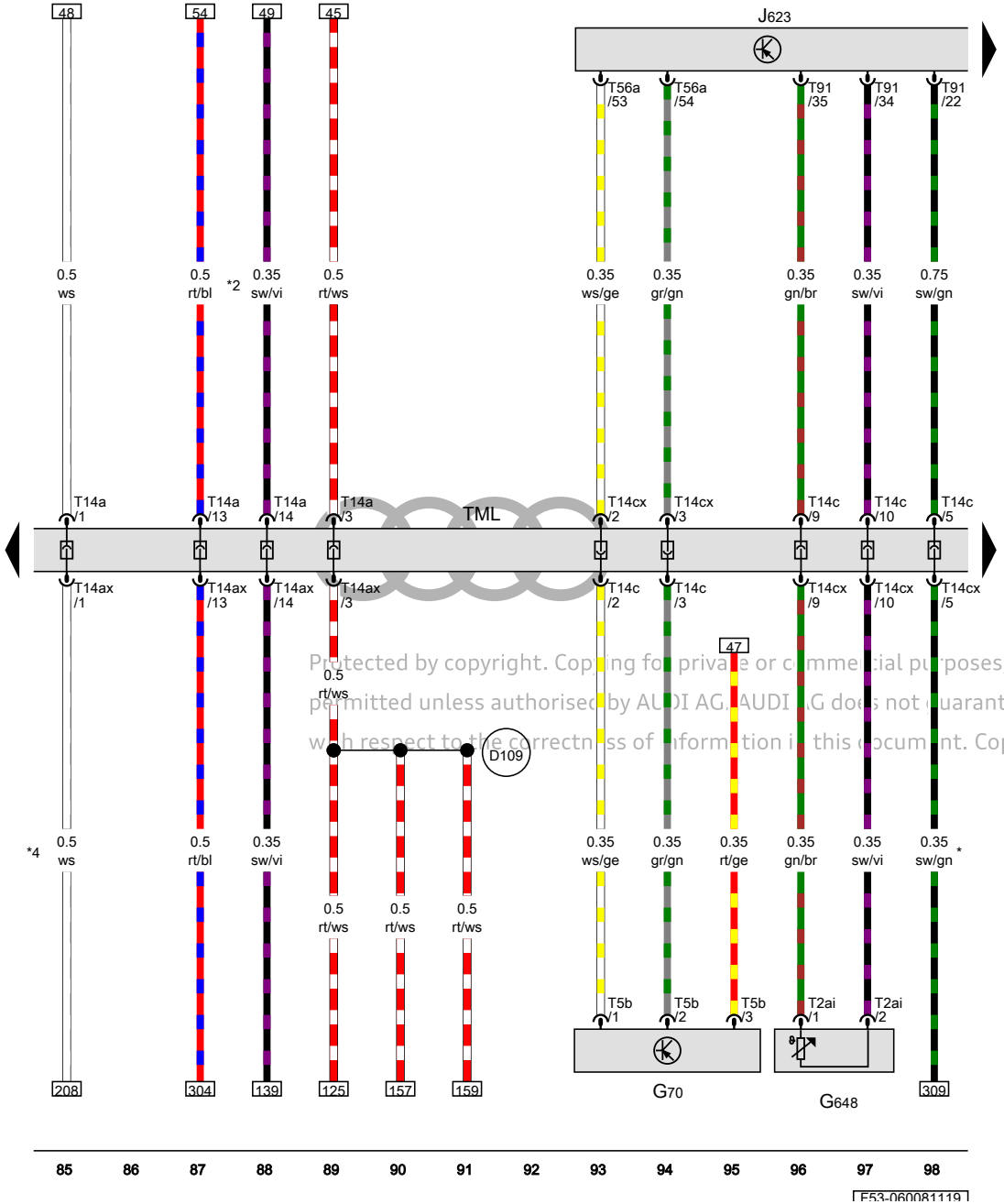
Air mass meter, Exhaust gas temperature sender 4, Engine/ motor control unit

G70	Air mass meter
G648	Exhaust gas temperature sender 4
J623	Engine/motor control unit, in plenum chamber
T2ai	2-pin connector, black
T5b	5-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
T56a	56-pin connector, black
T91	91-pin connector, black
TML	Coupling point in engine compartment, left
D109	Connection 7 in engine compartment wiring harness
*	For models with reducing agent metering system
*2	Wiring colour depends on equipment



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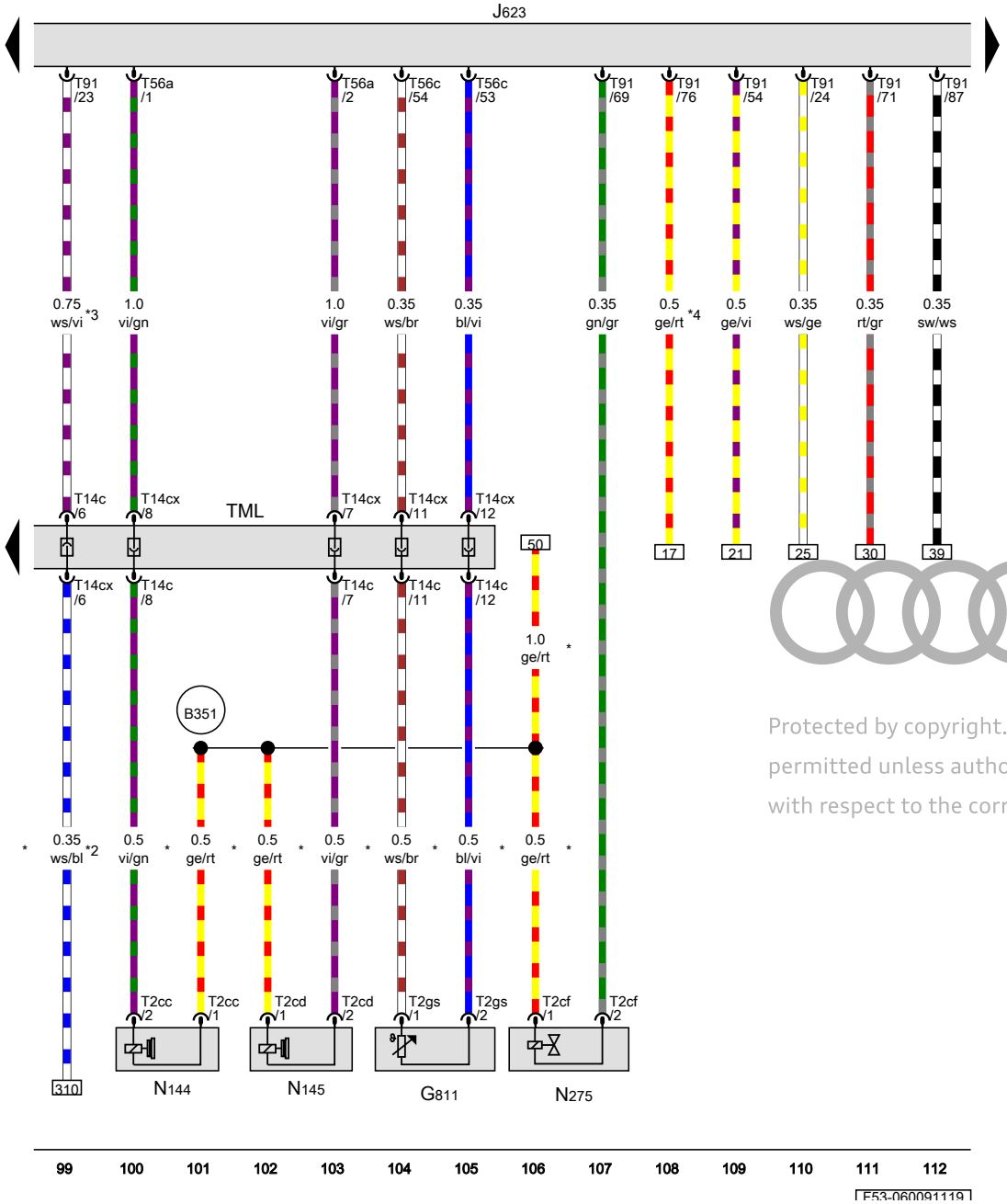

Charge air temperature sender after charge air cooler, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Air filter bypass flap valve

G811	Charge air temperature sender after charge air cooler
J623	Engine/motor control unit, in plenum chamber
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N275	Air filter bypass flap valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T2cf	2-pin connector, black
T2gs	2-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
T56a	56-pin connector, black
T56c	56-pin connector, black, blue
T91	91-pin connector, black
TML	Coupling point in engine compartment, left
B351	Positive connection 2 (87a) in main wiring harness
*	Cross section depends on equipment
*2	For models with reducing agent metering system
*3	Wiring colour depends on equipment
*4	For models with towing bracket

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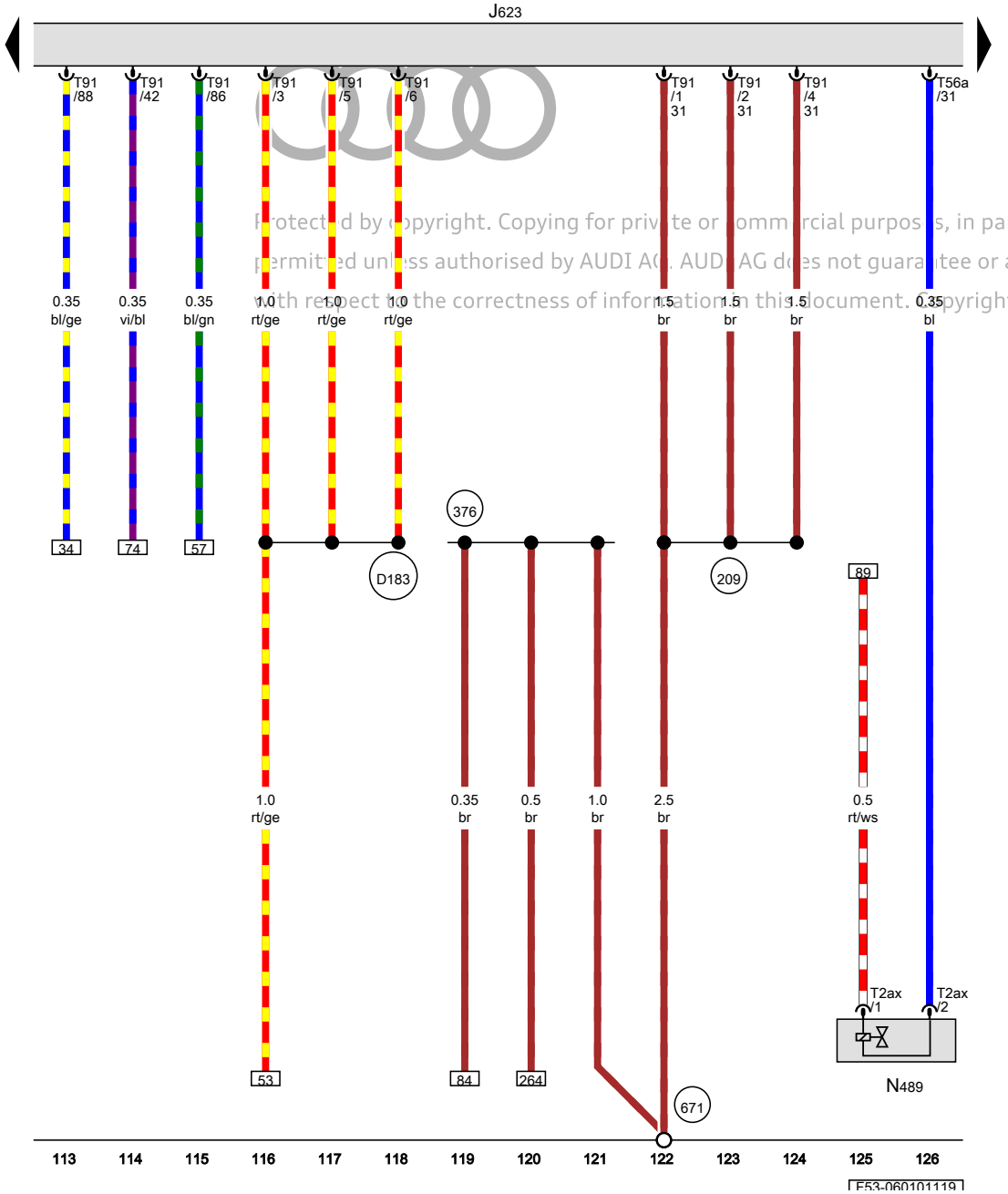
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Engine/motor control unit, Coolant valve for cylinder head

J623	Engine/motor control unit, in plenum chamber
N489	Coolant valve for cylinder head
T2ax	2-pin connector, black
T56a	56-pin connector, black
T91	91-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness



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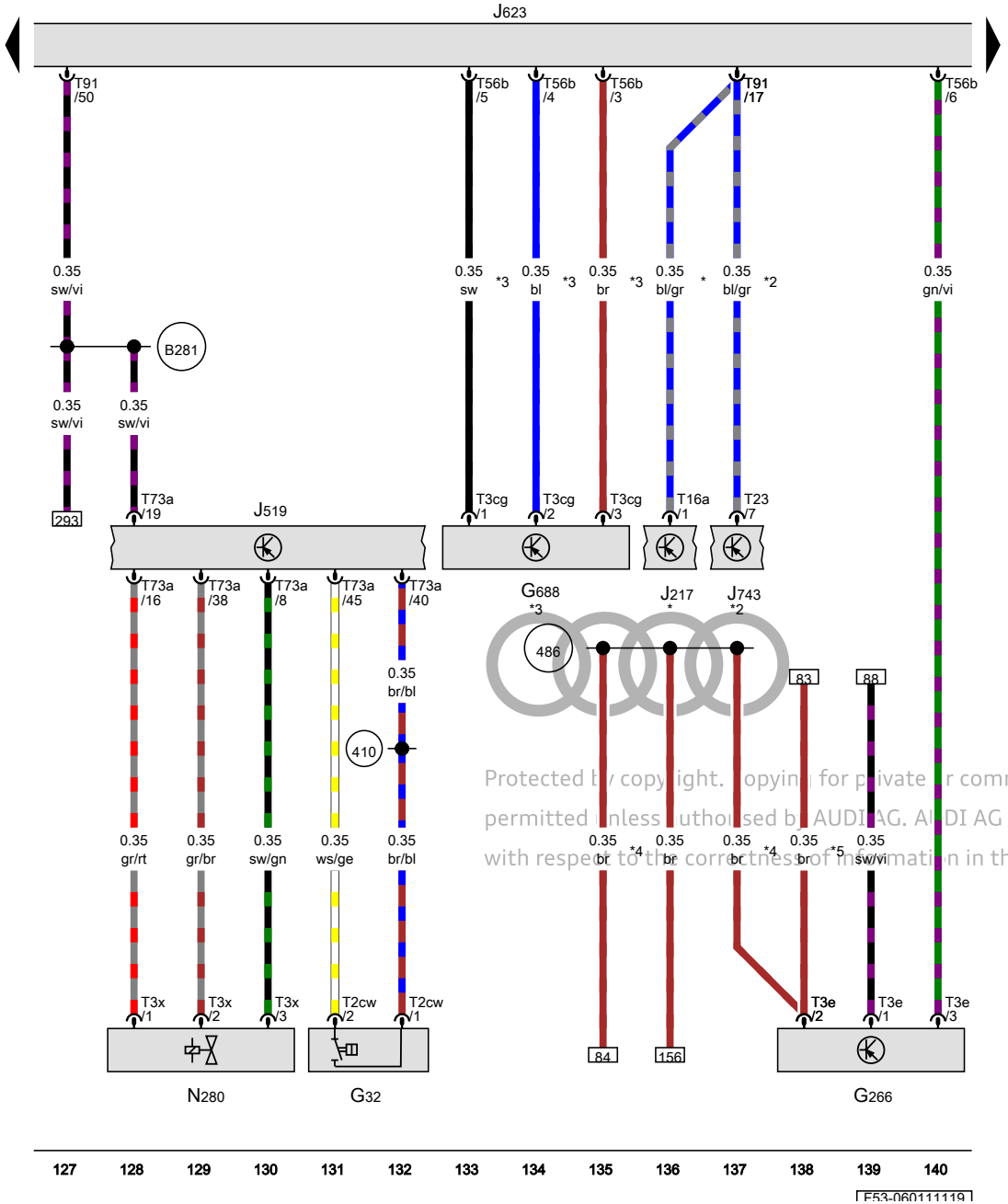

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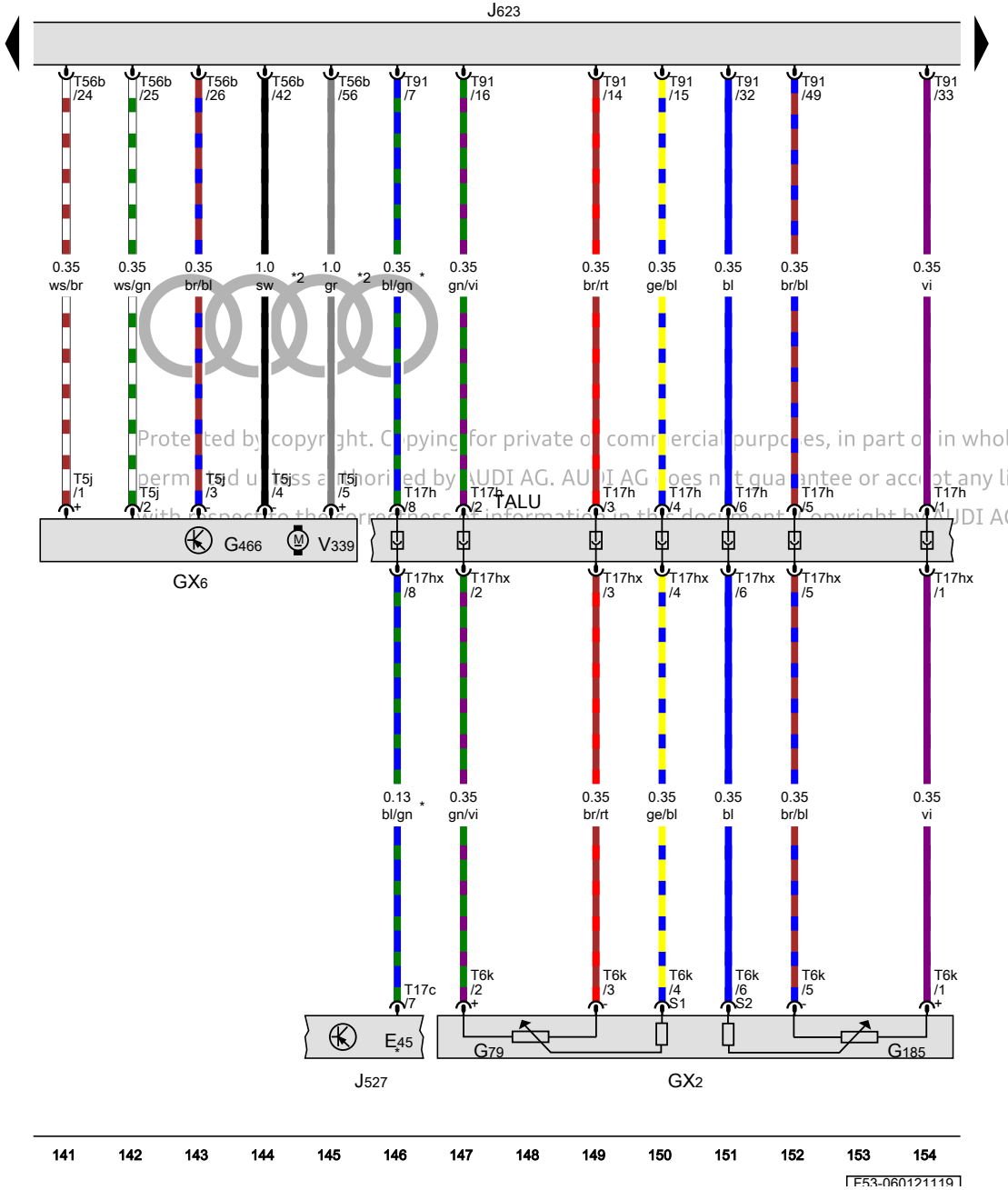
Coolant shortage indicator sender, Oil level and oil temperature sender, Sender 1 for turbocharger speed, Onboard supply control unit, Engine/motor control unit, Air conditioner compressor regulating valve

G32	Coolant shortage indicator sender
G266	Oil level and oil temperature sender
G688	Sender 1 for turbocharger speed
J217	Automatic gearbox control unit
J519	Onboard supply control unit
J623	Engine/motor control unit, in plenum chamber
J743	Mechatronic unit for dual clutch gearbox
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T3cg	3-pin connector, black
T3e	3-pin connector, black
T3x	3-pin connector, black
T16a	16-pin connector, black
T23	23-pin connector, black
T56b	56-pin connector, black, white
T73a	73-pin connector, black
T91	91-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
486	Earth point 4, engine prewiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	For models with automatic gearbox
*2	For models with dual clutch gearbox (DSG)
*3	According to equipment
*4	From August 2018
*5	Up to July 2018

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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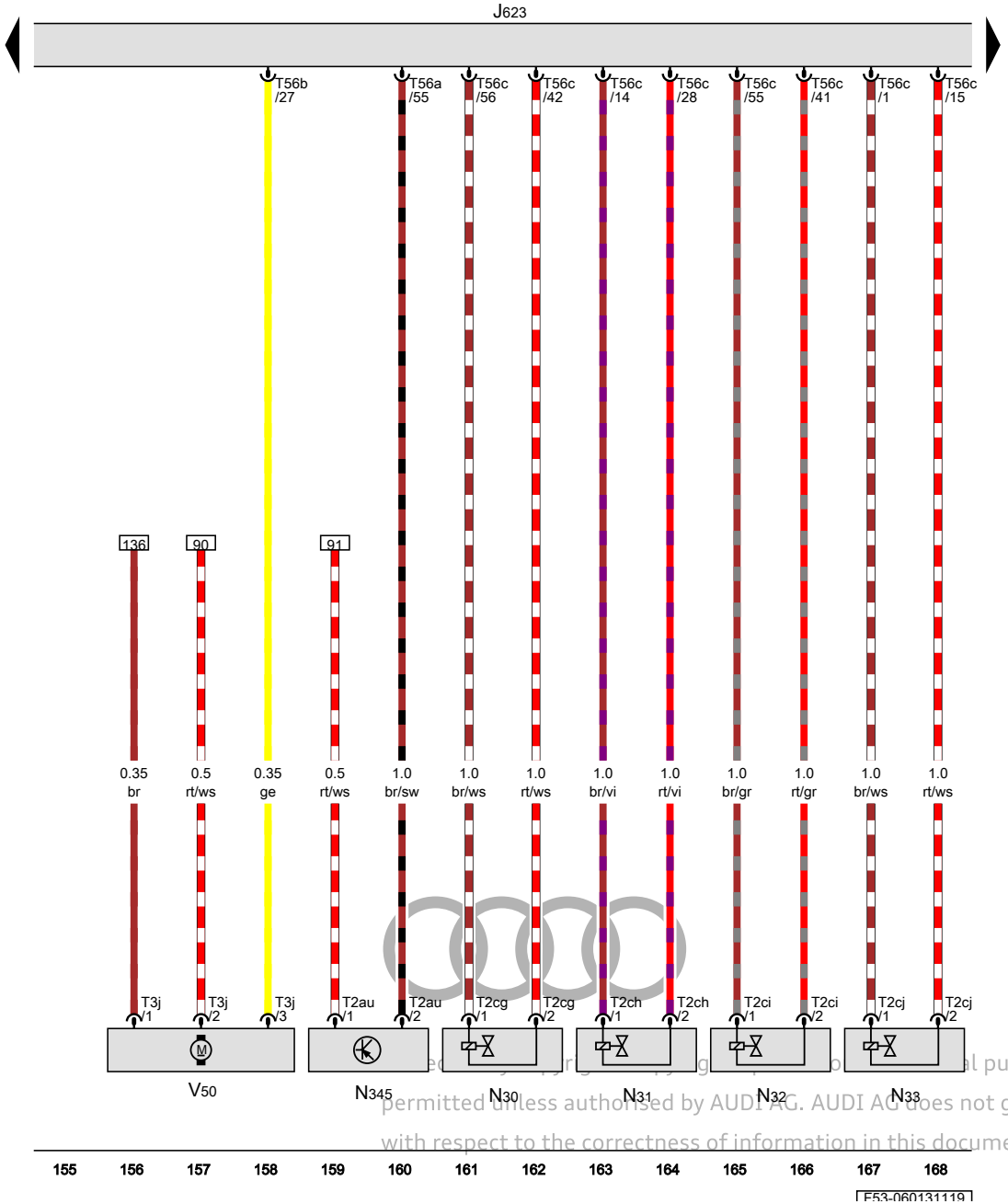
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Accelerator pedal module, Exhaust gas recirculation valve 2, Engine/motor control unit

E45	Cruise control system switch
GX2	Accelerator pedal module
GX6	Exhaust gas recirculation valve 2
G79	Accelerator position sender
G185	Accelerator position sender 2
G466	Exhaust gas recirculation potentiometer 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, in plenum chamber
T5j	5-pin connector, yellow
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T56b	56-pin connector, black, white
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
V339	Exhaust gas recirculation control motor 2
*	For models with cruise control system (CCS)
*2	Wiring colour depends on equipment



Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Exhaust gas recirculation cooler changeover valve, Coolant circulation pump

J623	Engine/motor control unit, in plenum chamber
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N345	Exhaust gas recirculation cooler changeover valve
T2au	2-pin connector, black
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T3j	3-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
V50	Coolant circulation pump

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

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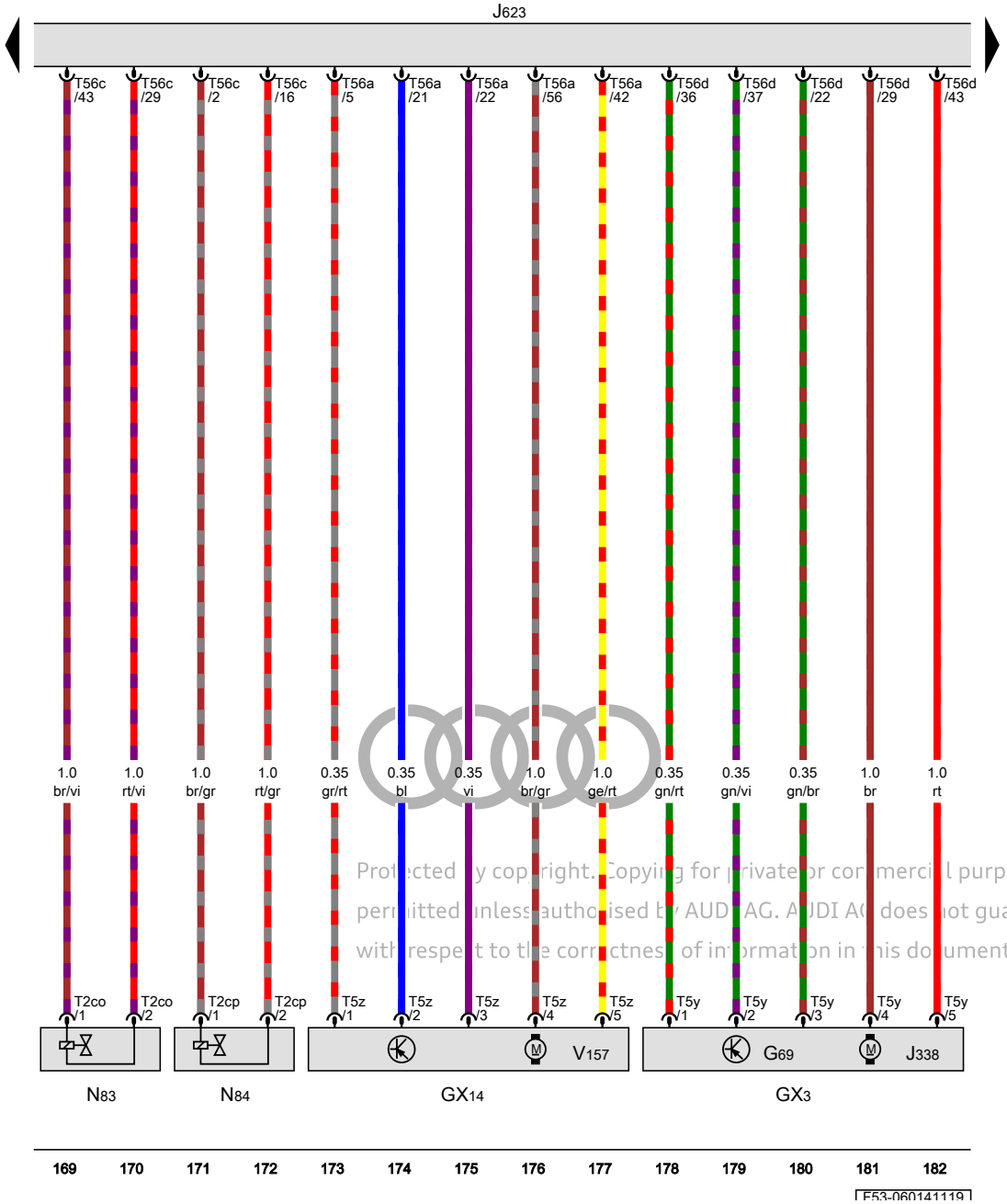
Throttle valve module, Intake manifold flap control unit, Engine/motor control unit, Injector, cylinder 5, Injector, cylinder 6

GX3	Throttle valve module
GX14	Intake manifold flap control unit
G69	Throttle valve potentiometer
J338	Throttle valve module
J623	Engine/motor control unit, in plenum chamber
N83	Injector, cylinder 5
N84	Injector, cylinder 6
T2co	2-pin connector, black
T2cp	2-pin connector, black
T5y	5-pin connector, black
T5z	5-pin connector, black
T56a	56-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
V157	Intake manifold flap motor



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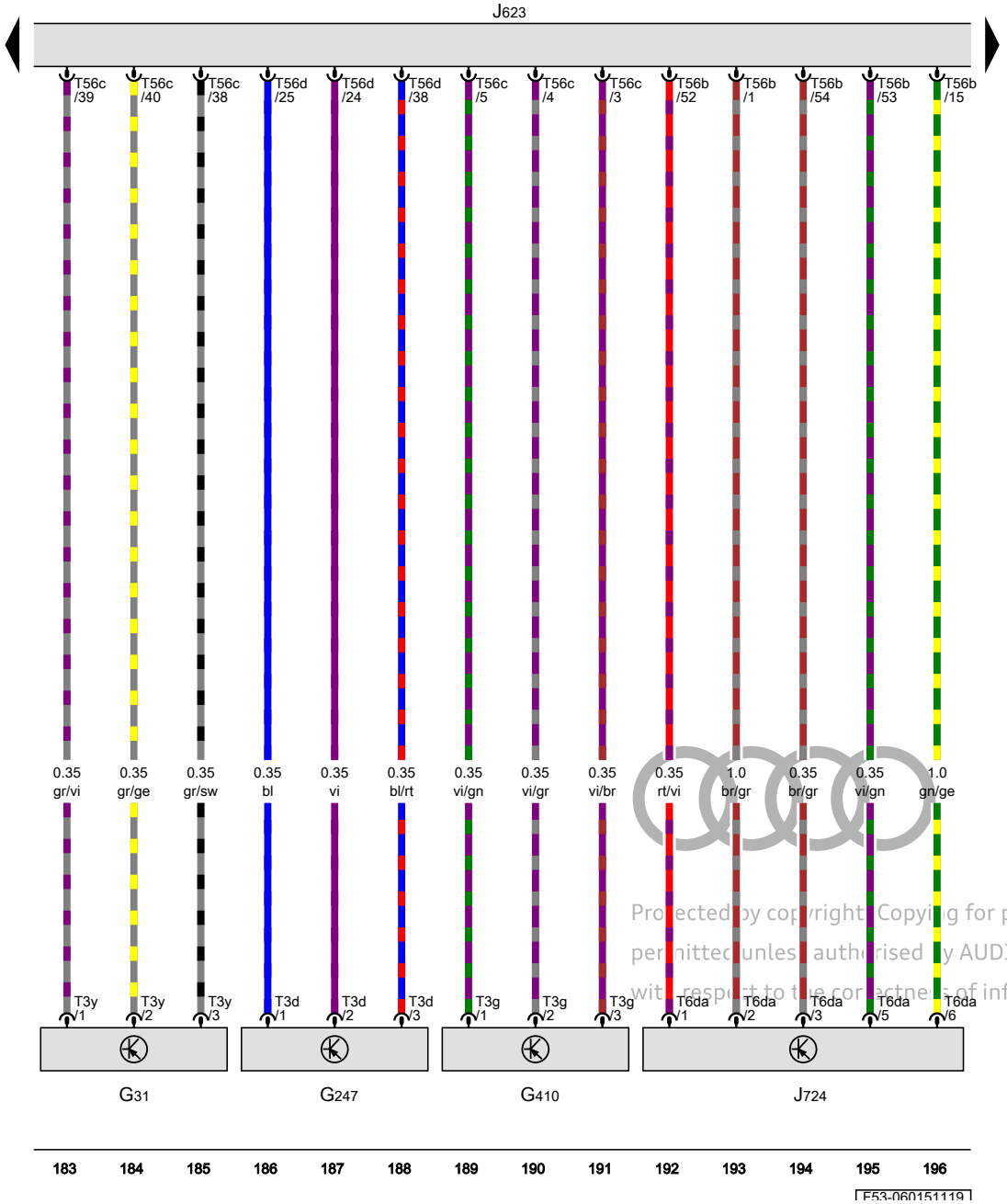

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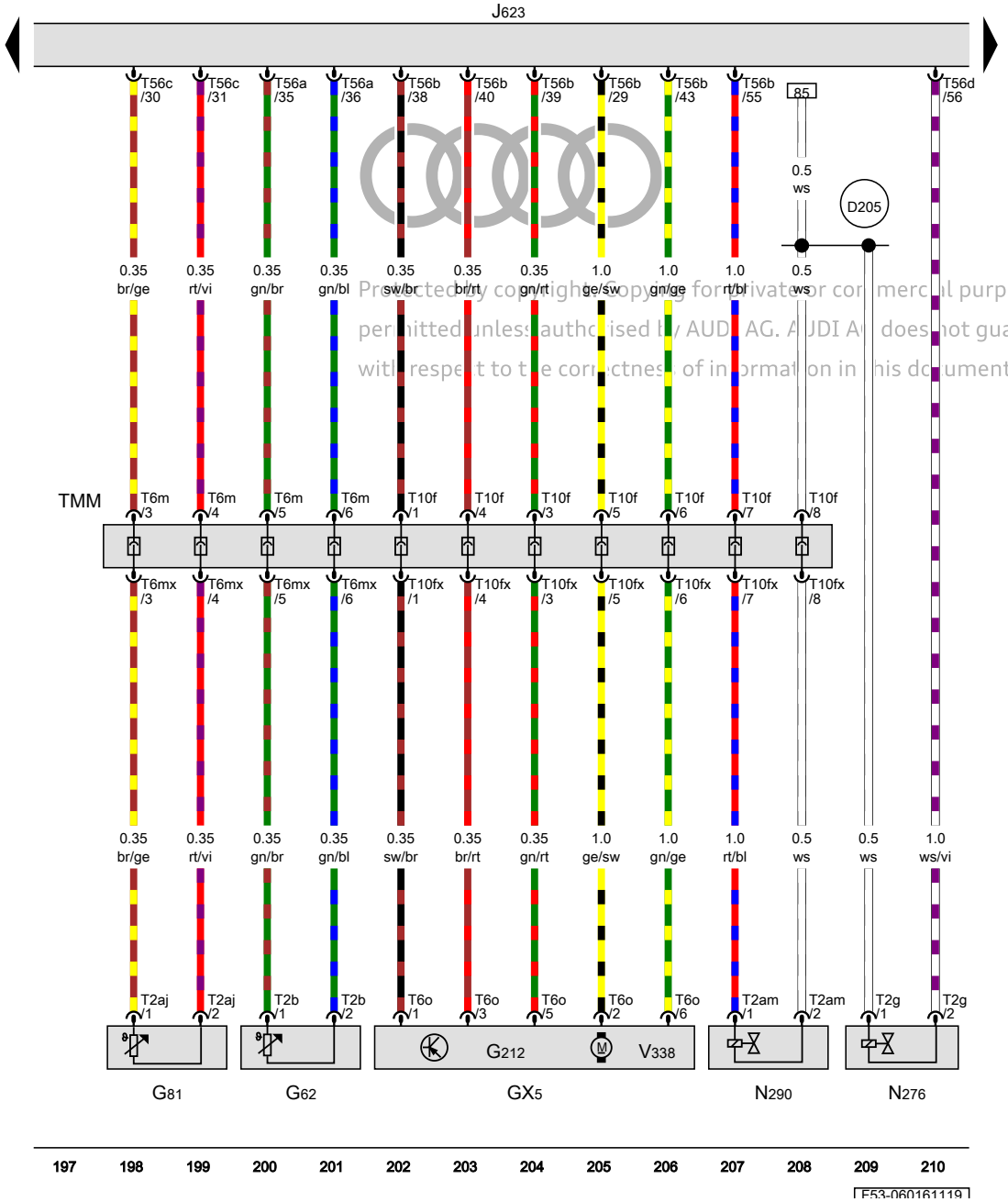
Charge pressure sender, Fuel pressure sender, Fuel pressure sender for low pressure, Engine/motor control unit, Turbocharger 1 control unit

G31	Charge pressure sender
G247	Fuel pressure sender
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, in plenum chamber
J724	Turbocharger 1 control unit
T3d	3-pin connector, black
T3g	3-pin connector, black
T3y	3-pin connector, black
T6da	6-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Exhaust gas recirculation valve 1, Coolant temperature sender, Fuel temperature sender, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve

GX5	Exhaust gas recirculation valve 1
G62	Coolant temperature sender
G81	Fuel temperature sender
G212	Exhaust gas recirculation potentiometer
J623	Engine/motor control unit, in plenum chamber
N276	Fuel pressure regulating valve
N290	Fuel metering valve
T2aj	2-pin connector, black
T2am	2-pin connector, black
T2b	2-pin connector, black
T2g	2-pin connector, black
T6m	6-pin connector, black
T6mx	6-pin connector, black
T6o	6-pin connector, grey
T10f	10-pin connector, black
T10fx	10-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
TMM	Coupling point in engine compartment, centre
V338	Exhaust gas recirculation control motor
D205	Connection 3 (87a) in engine prewiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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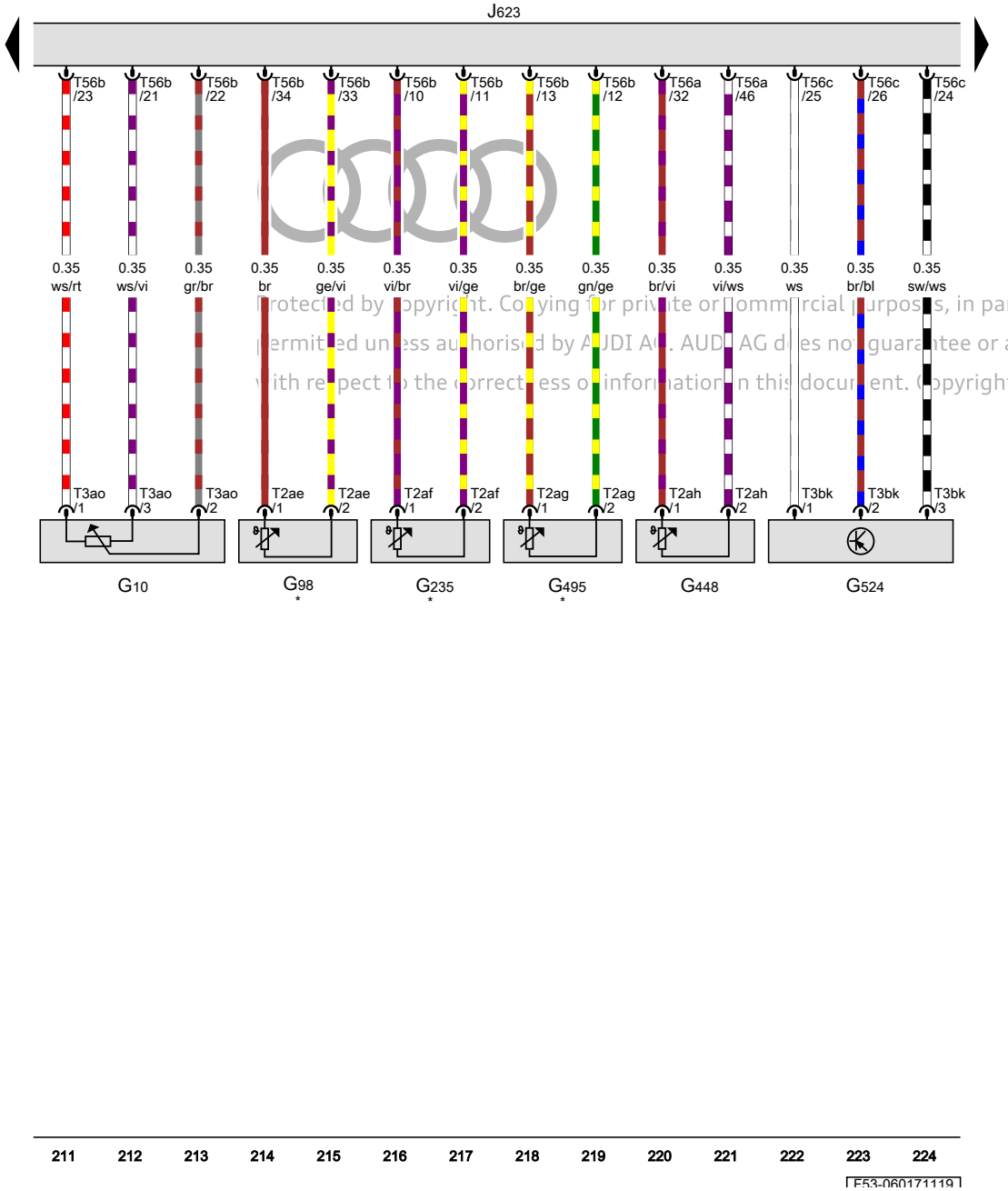

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Oil pressure sender, Exhaust gas recirculation temperature sensor, Exhaust gas temperature sender 1, Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Pressure differential sender 2, Engine/motor control unit

G10	Oil pressure sender
G98	Exhaust gas recirculation temperature sensor
G235	Exhaust gas temperature sender 1
G448	Exhaust gas temperature sender 2
G495	Exhaust gas temperature sender 3
G524	Pressure differential sender 2
J623	Engine/motor control unit, in plenum chamber
T2ae	2-pin connector, light brown
T2af	2-pin connector, black
T2ag	2-pin connector, black
T2ah	2-pin connector, black
T3ao	3-pin connector, black
T3bk	3-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
*	Pre-wired component

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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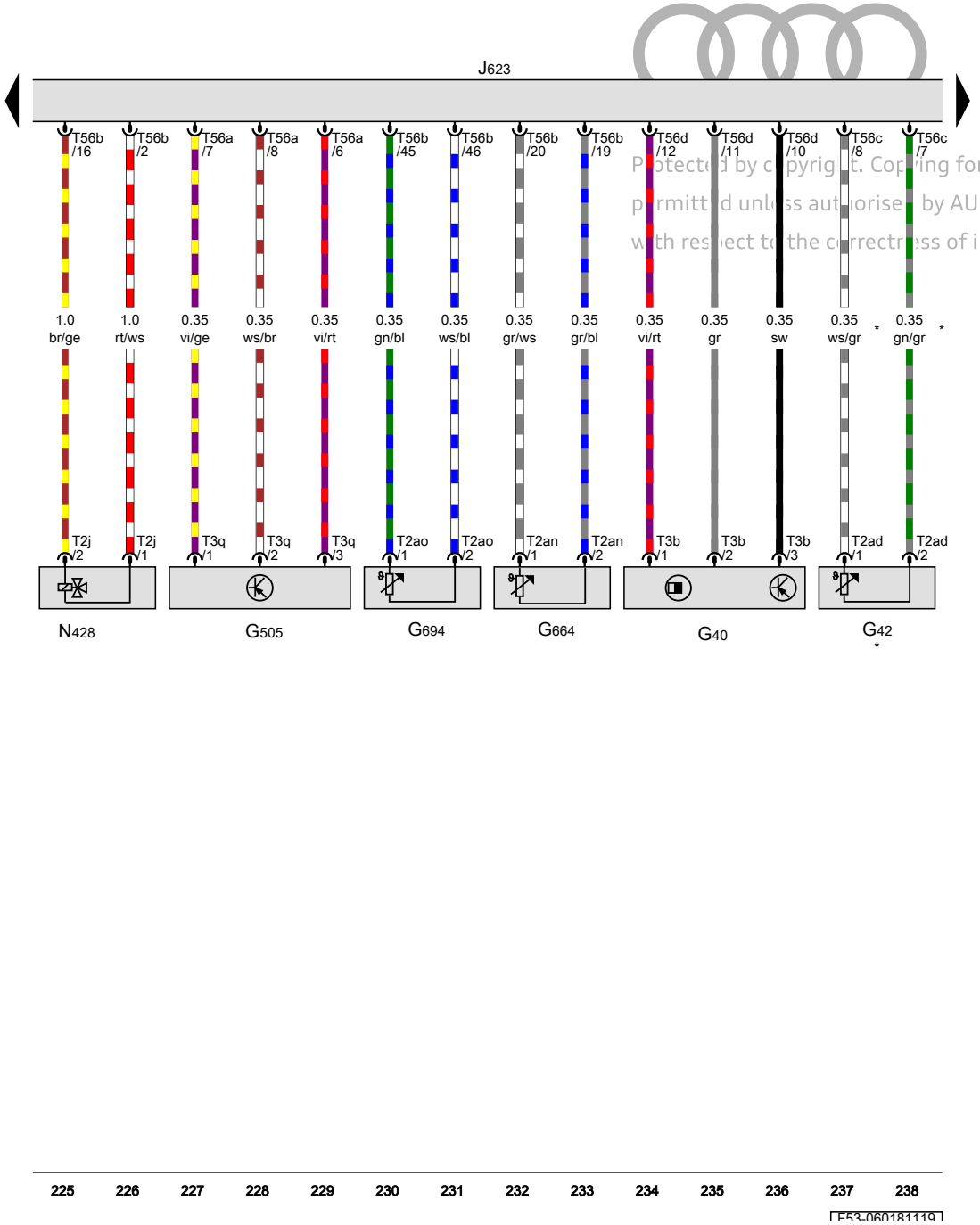

Hall sender, Intake air temperature sender, Pressure differential sender, Oil temperature sender 2, Temperature sender for engine temperature regulation, Engine/motor control unit, Valve for oil pressure control

G40	Hall sender
G42	Intake air temperature sender
G505	Pressure differential sender
G664	Oil temperature sender 2
G694	Temperature sender for engine temperature regulation
J623	Engine/motor control unit, in plenum chamber
N428	Valve for oil pressure control
T2ad	2-pin connector, black
T2an	2-pin connector, black
T2ao	2-pin connector, black
T2j	2-pin connector, black
T3b	3-pin connector, black
T3q	3-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
*	According to equipment

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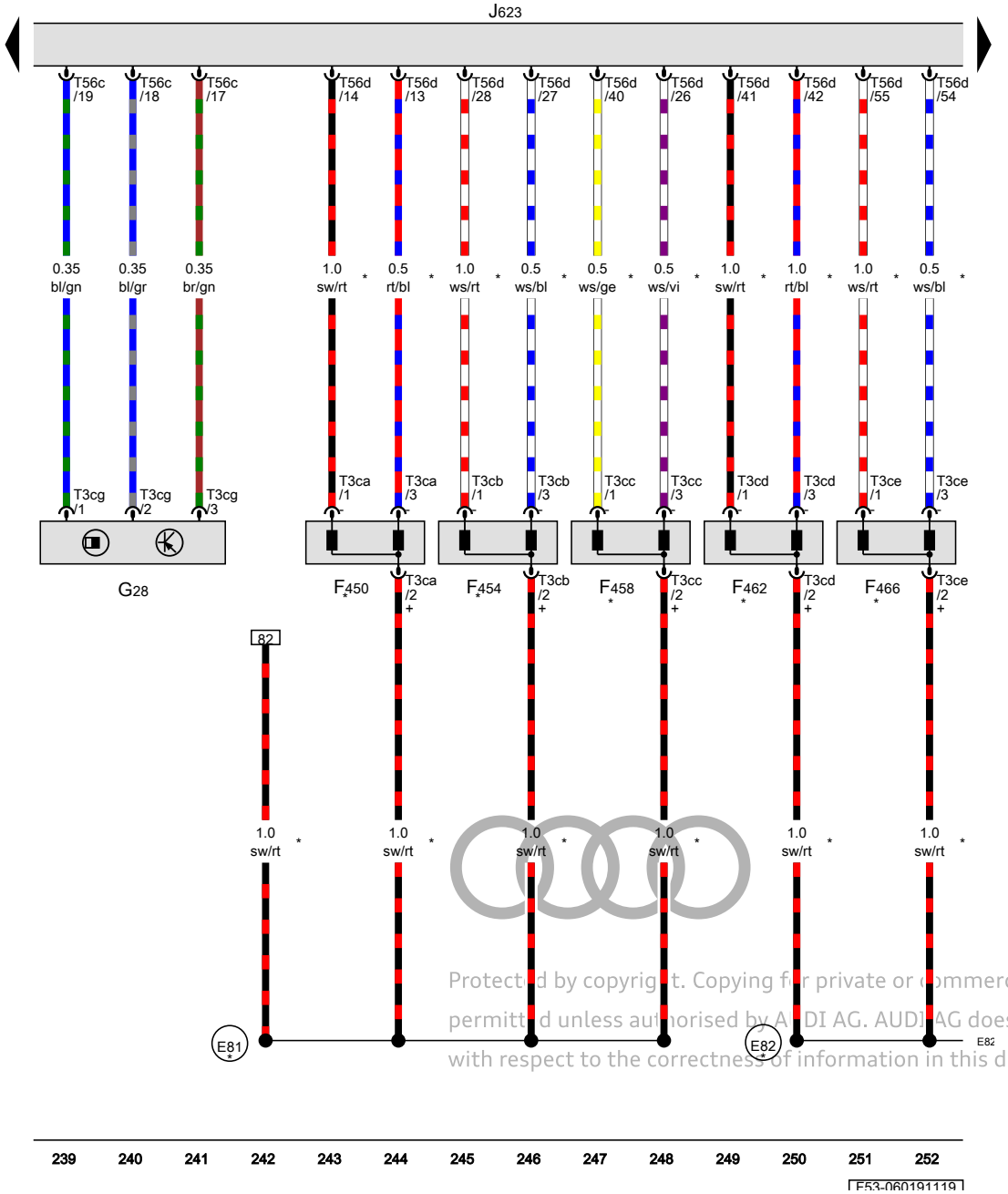
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Exhaust cam actuator 1 for cylinder 1, Exhaust cam actuator 1 for cylinder 2, Exhaust cam actuator 1 for cylinder 3, Exhaust cam actuator 1 for cylinder 4, Exhaust cam actuator 1 for cylinder 5, Engine speed sender, Engine/motor control unit

F450	Exhaust cam actuator 1 for cylinder 1
F454	Exhaust cam actuator 1 for cylinder 2
F458	Exhaust cam actuator 1 for cylinder 3
F462	Exhaust cam actuator 1 for cylinder 4
F466	Exhaust cam actuator 1 for cylinder 5
G28	Engine speed sender
J623	Engine/motor control unit, in plenum chamber
T3ca	3-pin connector, black
T3cb	3-pin connector, black
T3cc	3-pin connector, black
T3cd	3-pin connector, black
T3ce	3-pin connector, black
T3cg	3-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
E81	Connection 5 (87a) in engine wiring harness
E82	Connection 6 (87a) in engine wiring harness
*	Up to July 2018

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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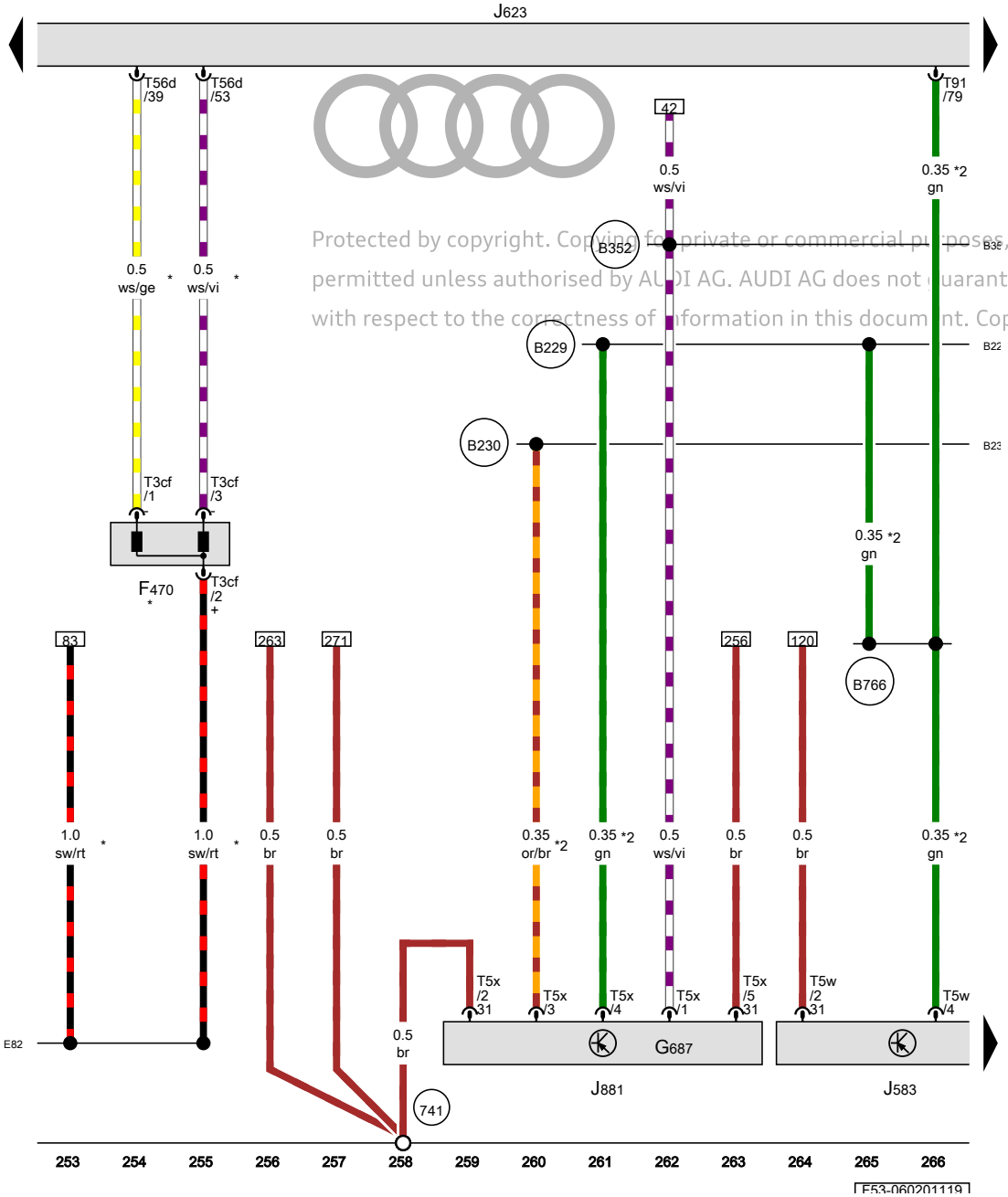

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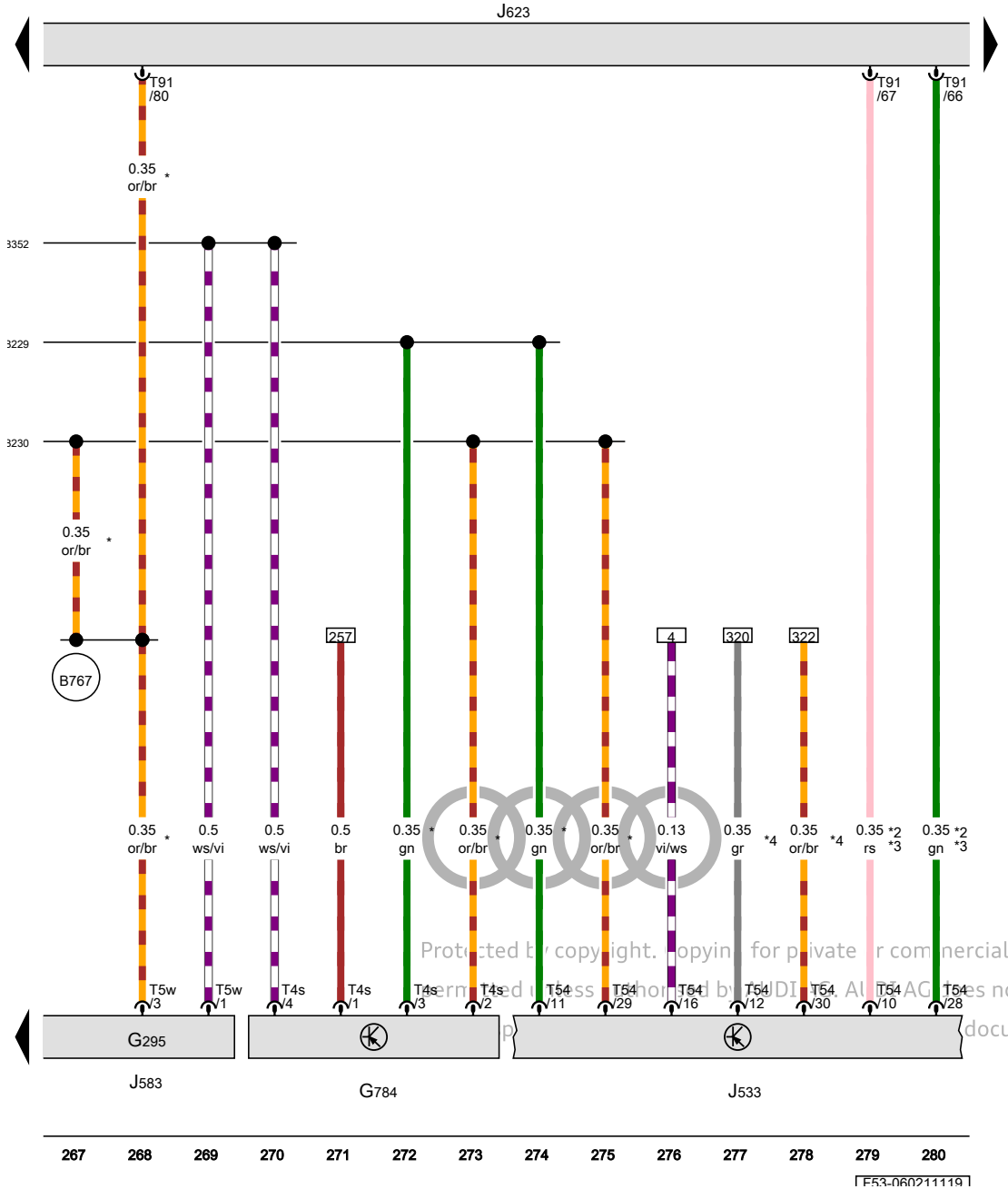
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Exhaust cam actuator 1 for cylinder 6, Control unit for NOx sender, Engine/motor control unit, Control unit for NOx sender 2

F470	Exhaust cam actuator 1 for cylinder 6
G687	NOx sender 2
J583	Control unit for NOx sender
J623	Engine/motor control unit, in plenum chamber
J881	Control unit for NOx sender 2
T3cf	3-pin connector, black
T5w	5-pin connector, black
T5x	5-pin connector, black
T56d	56-pin connector, black, purple
T91	91-pin connector, black
741	Earth point under seat on front left
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
B352	Positive connection 3 (87a) in main wiring harness
B766	Connection 2 (high bus), in interior wiring harness
E82	Connection 6 (87a) in engine wiring harness
*	Up to July 2018
*2	Data bus wire (CAN bus)



NOx sender, Particulate sensor, Data bus diagnostic interface, Control unit for NOx sender, Engine/motor control unit

G295	NOx sender
G784	Particulate sensor
J533	Data bus diagnostic interface
J583	Control unit for NOx sender
J623	Engine/motor control unit, in plenum chamber
T4s	4-pin connector, black
T5w	5-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
B352	Positive connection 3 (87a) in main wiring harness
B767	Connection 2 (low bus), in interior wiring harness
*	Data bus wire (CAN bus)
*2	Data bus wire (FlexRay bus)
*3	Different wire colour possible
*4	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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vi	=	purple
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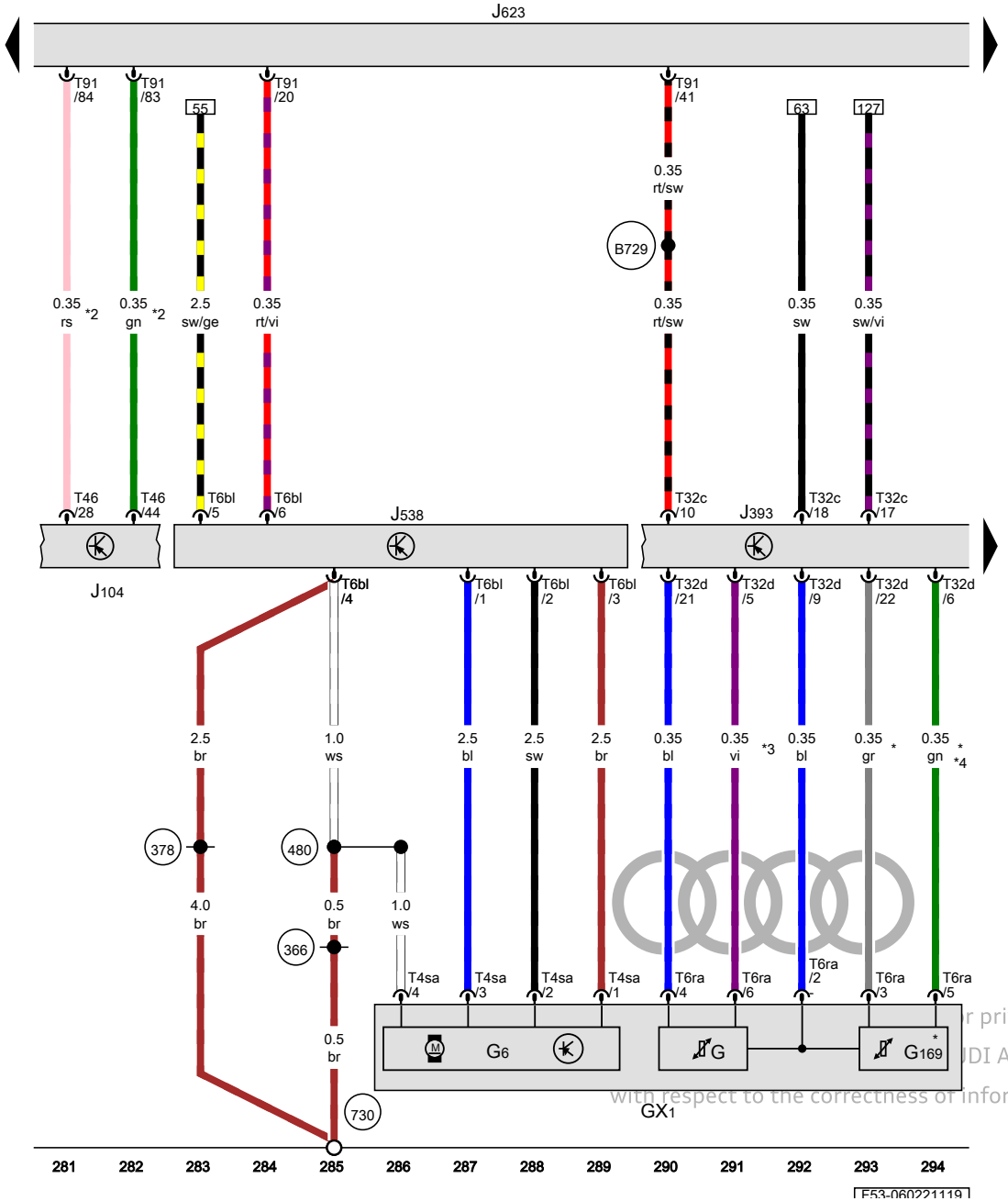

Fuel delivery unit, Fuel system pressurisation pump, Fuel gauge sender 2, Convenience system central control unit, Fuel pump control unit, Engine/motor control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J104	ABS control unit
J393	Convenience system central control unit
J538	Fuel pump control unit
J623	Engine/motor control unit, in plenum chamber
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
T46	46-pin connector, black
T91	91-pin connector, black
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Data bus wire (FlexRay bus)
*3	According to equipment
*4	Up to July 2018

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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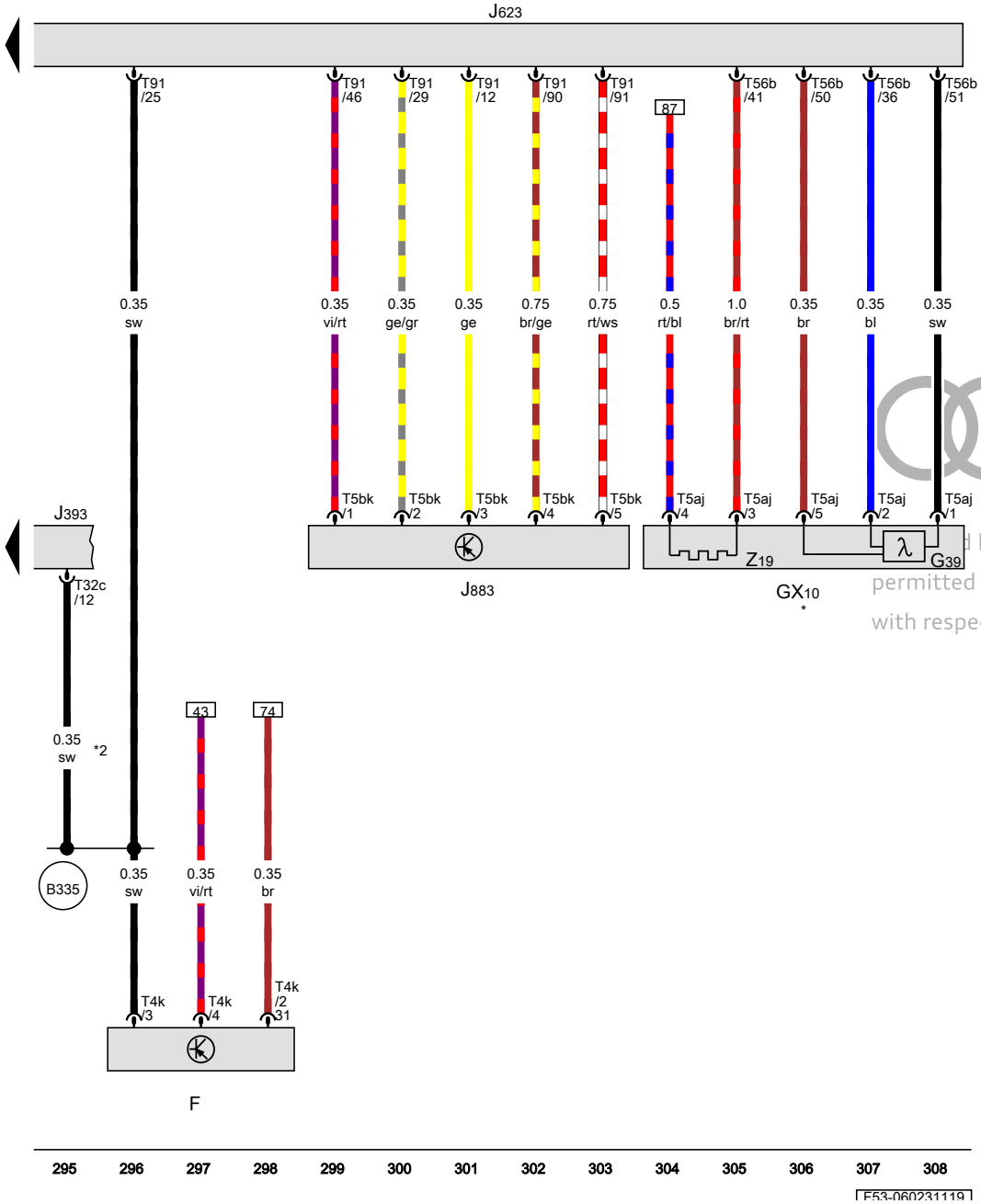

Brake light switch, Lambda probe 1 before catalytic converter, Lambda probe, Convenience system central control unit, Engine/motor control unit, Exhaust flap control unit

F	Brake light switch
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
J393	Convenience system central control unit
J623	Engine/motor control unit, in plenum chamber
J883	Exhaust flap control unit
T4k	4-pin connector, black
T5aj	5-pin connector, black
T5bk	5-pin connector, black
T32c	32-pin connector, black
T56b	56-pin connector, black, white
T91	91-pin connector, black
Z19	Lambda probe heater
B335	Connection 1 (54), in main wiring harness
*	Pre-wired component
*2	Cross section depends on equipment

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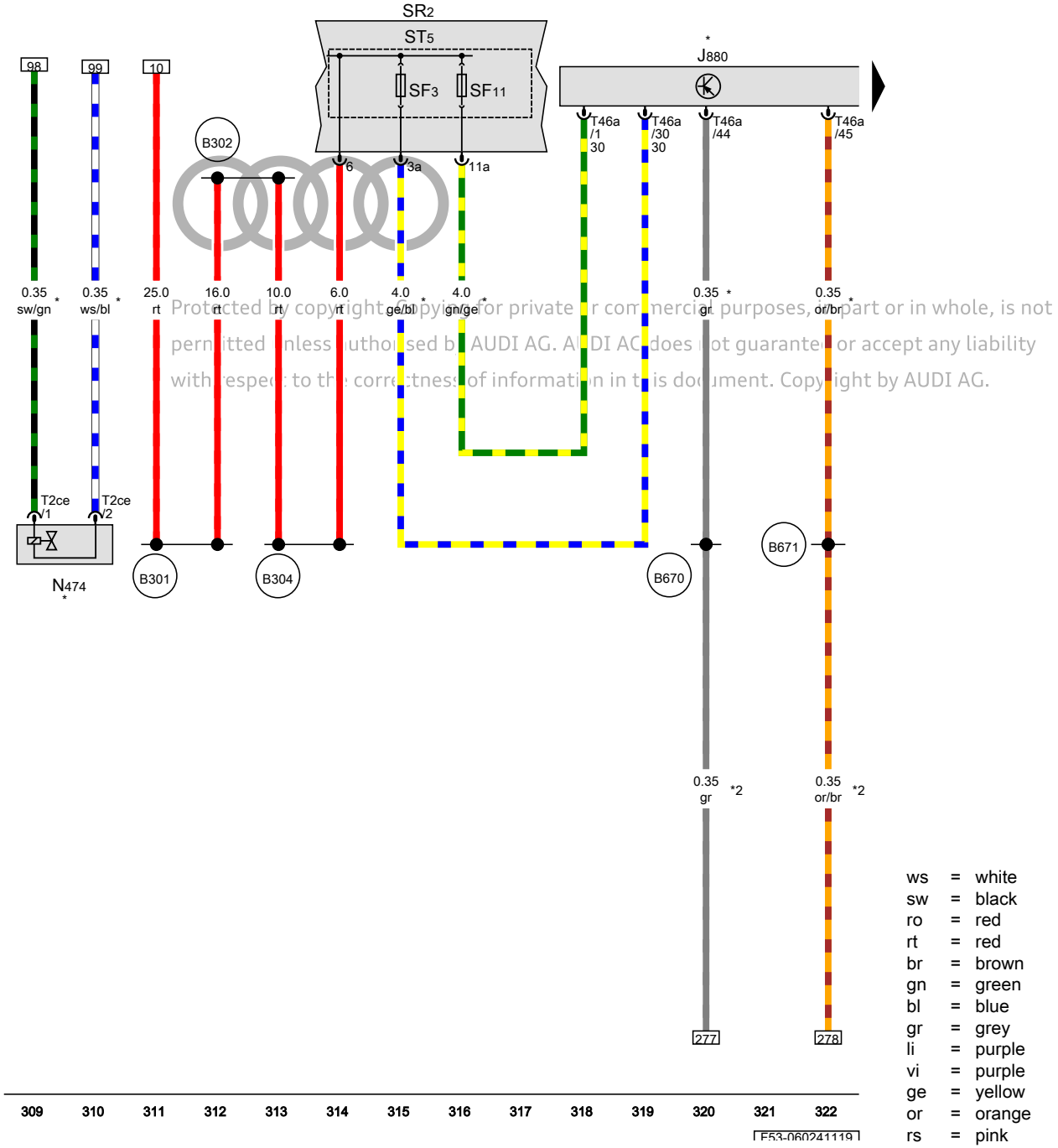

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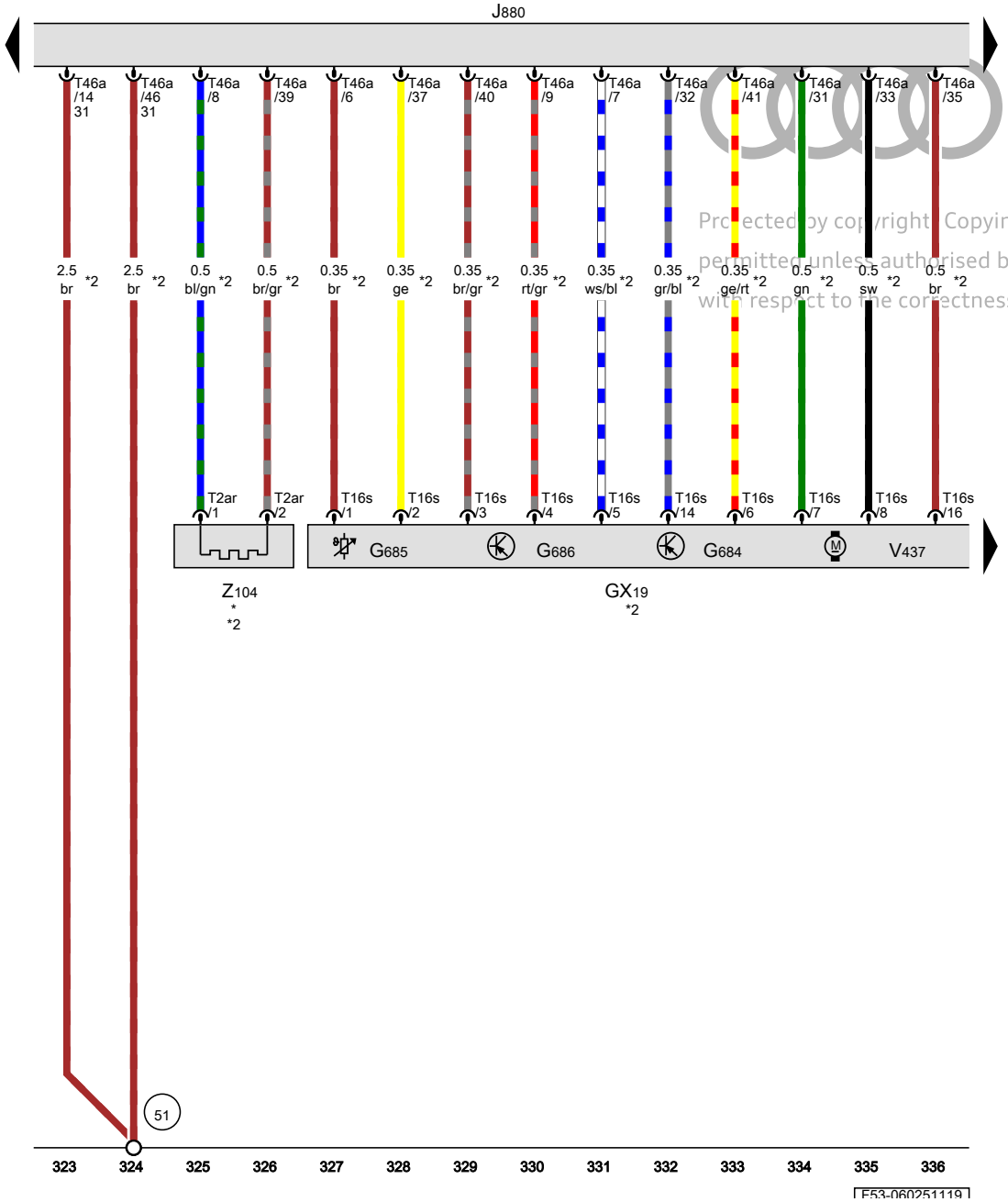
Control unit for reducing agent metering system, Injector for reducing agent

J880	Control unit for reducing agent metering system
N474	Injector for reducing agent
SR2	Relay and fuse carrier 2
SF3	Fuse 3 in fuse holder F
ST5	Fuse carrier 5, red
SF11	Fuse 11 in fuse holder F
T2ce	2-pin connector, black
T46a	46-pin connector, black
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	For models with reducing agent metering system
*2	Cross section depends on equipment



Delivery unit for reducing agent metering system, Tank sender for reducing agent, Temperature sender for reducing agent, Pressure sender for reducing agent metering system, Control unit for reducing agent metering system, Pump for reducing agent, Heater for reducing agent line (heater circuit 2)

GX19	Delivery unit for reducing agent metering system
G684	Tank sender for reducing agent
G685	Temperature sender for reducing agent
G686	Pressure sender for reducing agent metering system
J880	Control unit for reducing agent metering system
T2ar	2-pin connector, black
T16s	16-pin connector, black
T46a	46-pin connector, black
V437	Pump for reducing agent
Z104	Heater for reducing agent line (heater circuit 2)
51	Earth point, on right in luggage compartment
*	Pre-wired component
*2	For models with reducing agent metering system

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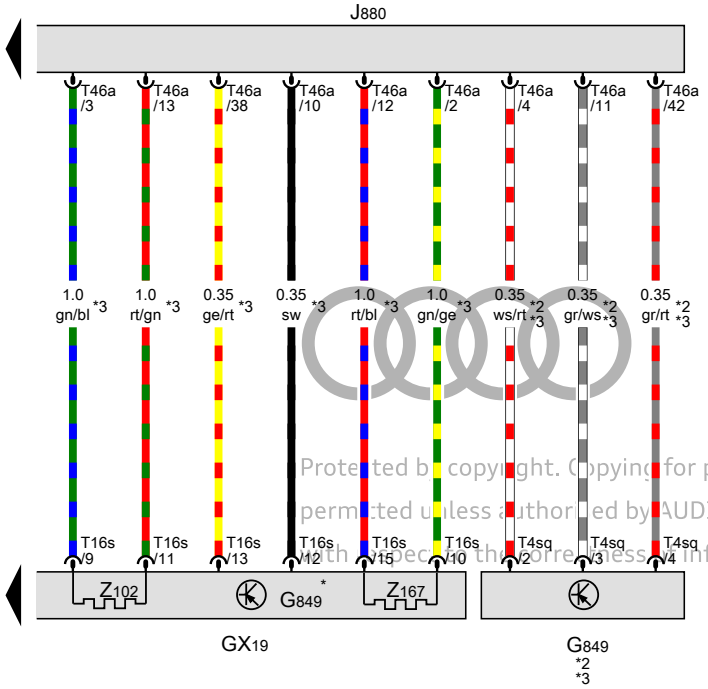

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Delivery unit for reducing agent metering system, Reducing agent quality sensor, Control unit for reducing agent metering system, Heater for reducing agent tank (heater circuit 1), Heater 2 for reducing agent tank (heater circuit 3)

GX19	Delivery unit for reducing agent metering system
G849	Reducing agent quality sensor
J880	Control unit for reducing agent metering system
T4sq	4-pin connector
T16s	16-pin connector, black
T46a	46-pin connector, black
Z102	Heater for reducing agent tank (heater circuit 1)
Z167	Heater 2 for reducing agent tank (heater circuit 3)
*	Gradually discontinued
*2	gradual introduction
*3	For models with reducing agent metering system

337 338 339 340 341 342 343 344 345 346 347 348 349 350

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
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All-wheel drive , (GH4)

From July 2016

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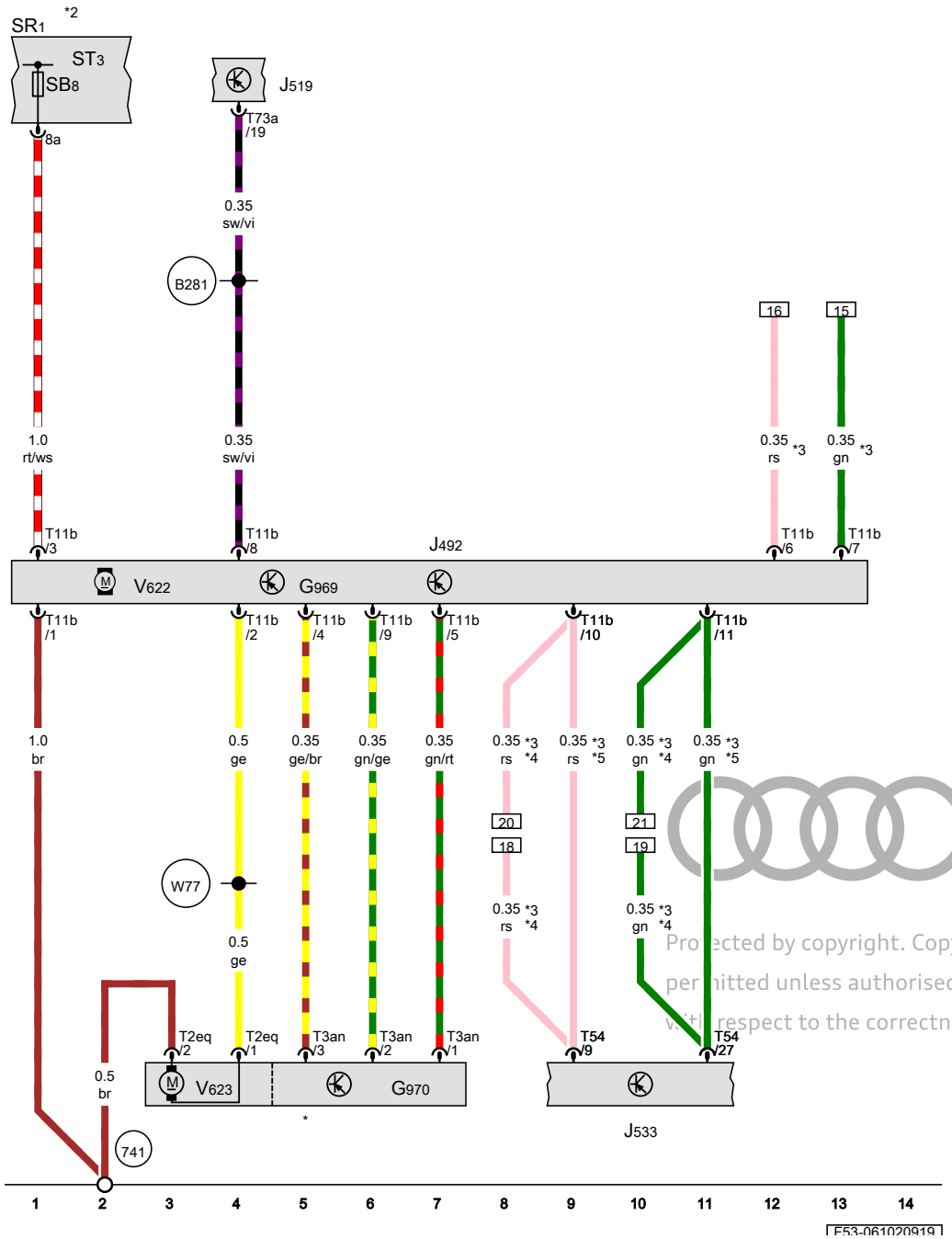

Clutch position sender for all-wheel drive, Propshaft speed sender, All-wheel drive control unit, Onboard supply control unit, Data bus diagnostic interface, Clutch actuator 2 for all-wheel drive

G969	Clutch position sender for all-wheel drive, on gearbox
G970	Propshaft speed sender, near rear axle
J492	All-wheel drive control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
SR1	Relay and fuse carrier 1
ST3	Fuse carrier 3, black
SB8	Fuse 8 on fuse holder B
T2eq	2-pin connector, black
T3an	3-pin connector, black
T11b	11-pin connector, black
T54	54-pin connector, black
T73a	73-pin connector, black
V622	Clutch actuator for all-wheel drive, on gearbox
V623	Clutch actuator 2 for all-wheel drive, near rear axle
741	Earth point under seat on front left
B281	Positive connection 5 (15a) in main wiring harness
W77	Positive connection 1 (15) in all-wheel drive wiring harness
*	near rear axle
*2	see applicable current flow diagram for fuse assignment
*3	Data bus wire (FlexRay bus)
*4	For models with dual clutch gearbox (DSG)
*5	For models with manual gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
vi	=	purple
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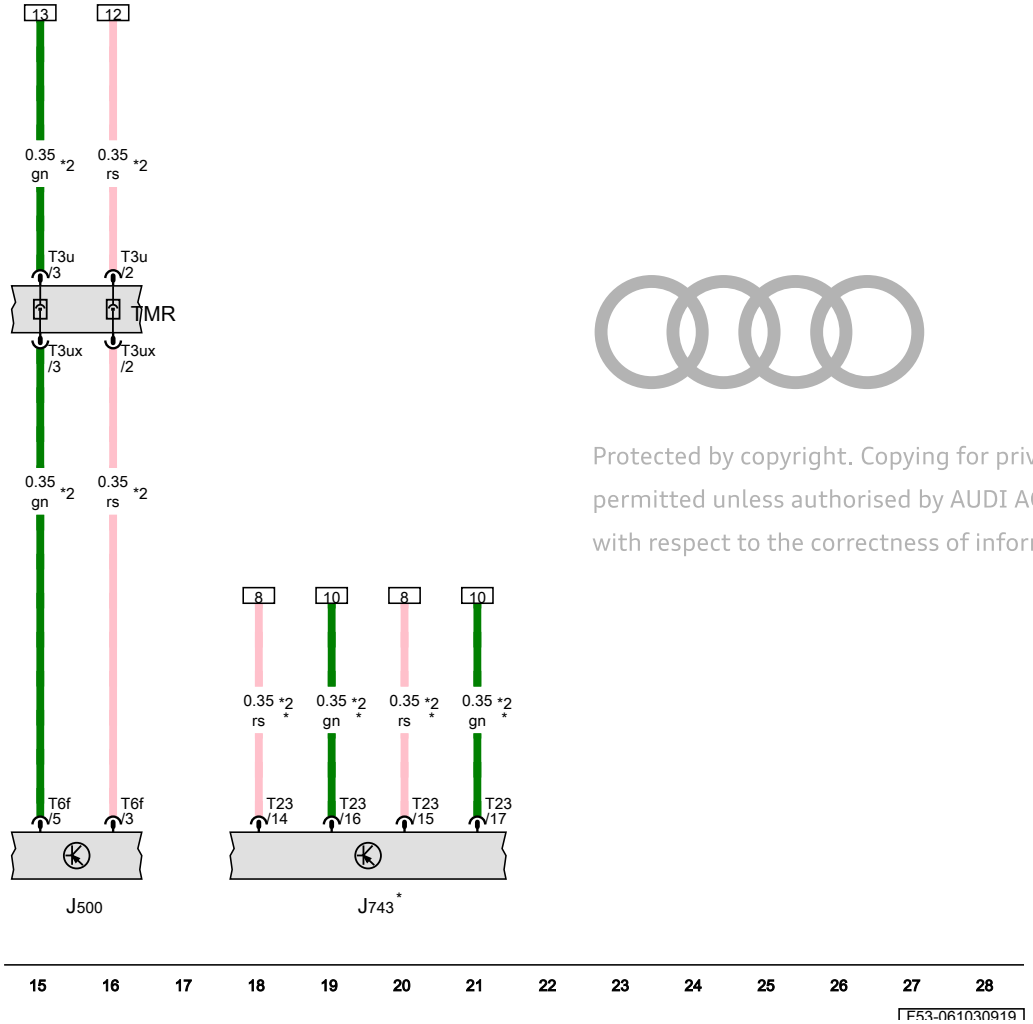
Power steering control unit, Mechatronic unit for dual clutch gearbox

J500	Power steering control unit
J743	Mechatronic unit for dual clutch gearbox
T3u	3-pin connector, black
T3ux	3-pin connector, black
T6f	6-pin connector, black
T23	23-pin connector, black
TMR	Coupling point in engine compartment, right
*	For models with dual clutch gearbox (DSG)
*2	Data bus wire (FlexRay bus)



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Heated windscreen , (0K0),(0K4),(4GR),(4GY)

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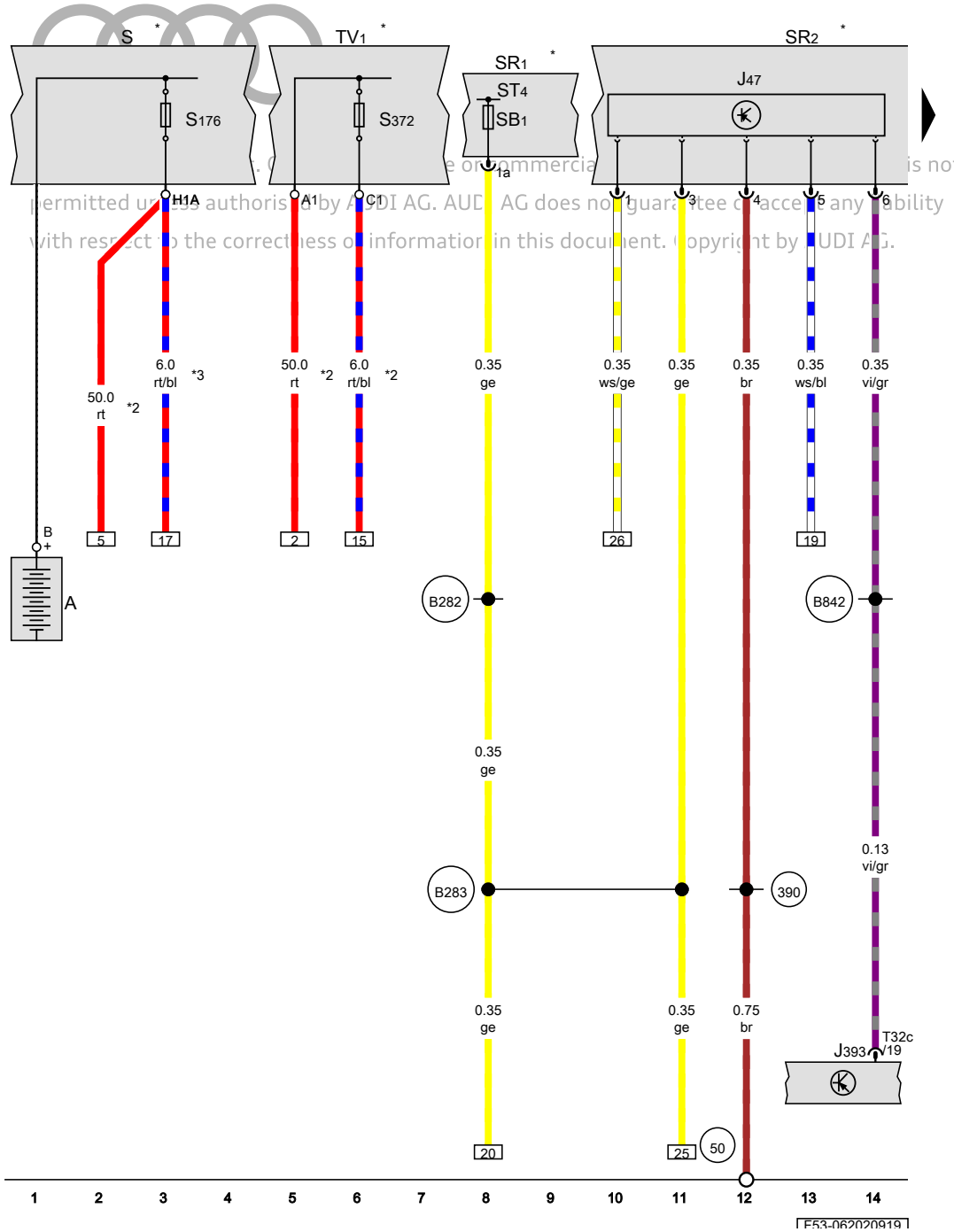

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bl = blue
gr = grey
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vi = purple
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rs = pink

Heated windscreen relay, Relay and fuse carrier 1, Relay and fuse carrier 2

A	Battery
J47	Heated windscreen relay, grey
J393	Convenience system central control unit
S	Fuses in fuse holder, on fuse holder, battery
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1
SR2	Relay and fuse carrier 2
ST4	Fuse carrier 4, black
S176	Fuse 4 (30), in battery fuse holder
S372	Fuse 2 on wiring junction
T32c	32-pin connector, black
TV1	Wiring junction
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
B282	Positive connection 6 (15a) in main wiring harness
B283	Positive connection 7 (15a) in main wiring harness
B842	Connection 8 (LIN bus) in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with 48 V hybrid system
*3	For models with no 48 V hybrid system

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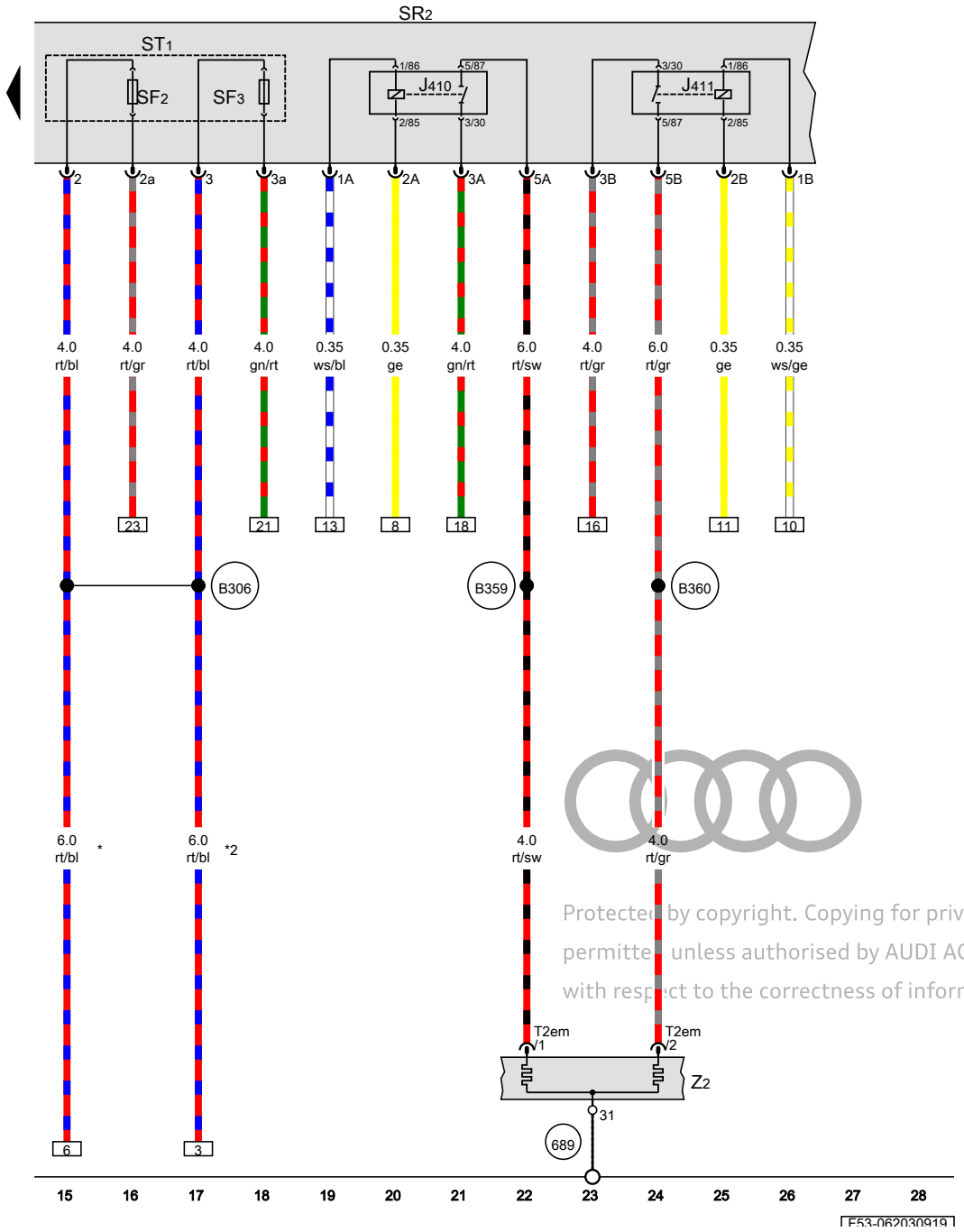

Heated windscreen relay for left side, Heated windscreen relay for right side, Relay and fuse carrier 2, Heated windscreen

J410	Heated windscreen relay for left side, brown
J411	Heated windscreen relay for right side, brown
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
SF2	Fuse 2 in fuse holder F
SF3	Fuse 3 in fuse holder F
T2em	2-pin connector, black
Z2	Heated windscreen
689	Earth point, at front, central in roof
B306	Positive connection 10 (30), in main wiring harness
B359	Positive connection 10 (87a) in main wiring harness
B360	Positive connection 11 (87a) in main wiring harness
*	For models with 48 V hybrid system
*2	For models with no 48 V hybrid system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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Driving school , (F5F)

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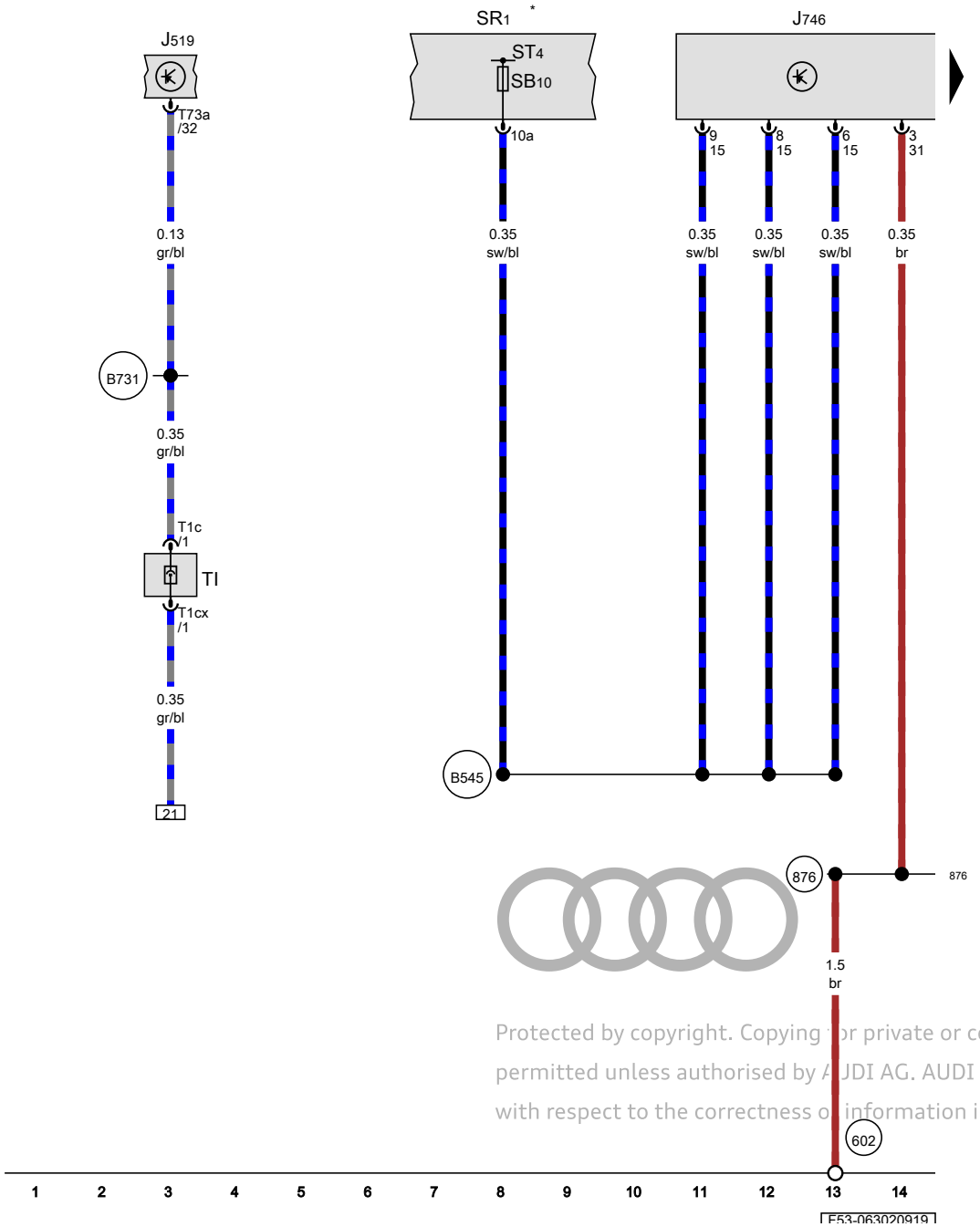

Driving school mode relay, Relay and fuse carrier 1

J519	Onboard supply control unit
J746	Driving school mode relay
SR1	Relay and fuse carrier 1
ST4	Fuse carrier 4, black
SB10	Fuse 10 on fuse holder B
T1c	1-pin connector, black
T1cx	1-pin connector, black
T73a	73-pin connector, black
TI	Coupling point in interior
602	Earth point, in front left footwell
876	Earth connection 13 in special vehicle wiring harness
B545	Positive connection (15a), in driving school vehicle wiring harness
B731	Connection 1 (58s), in main wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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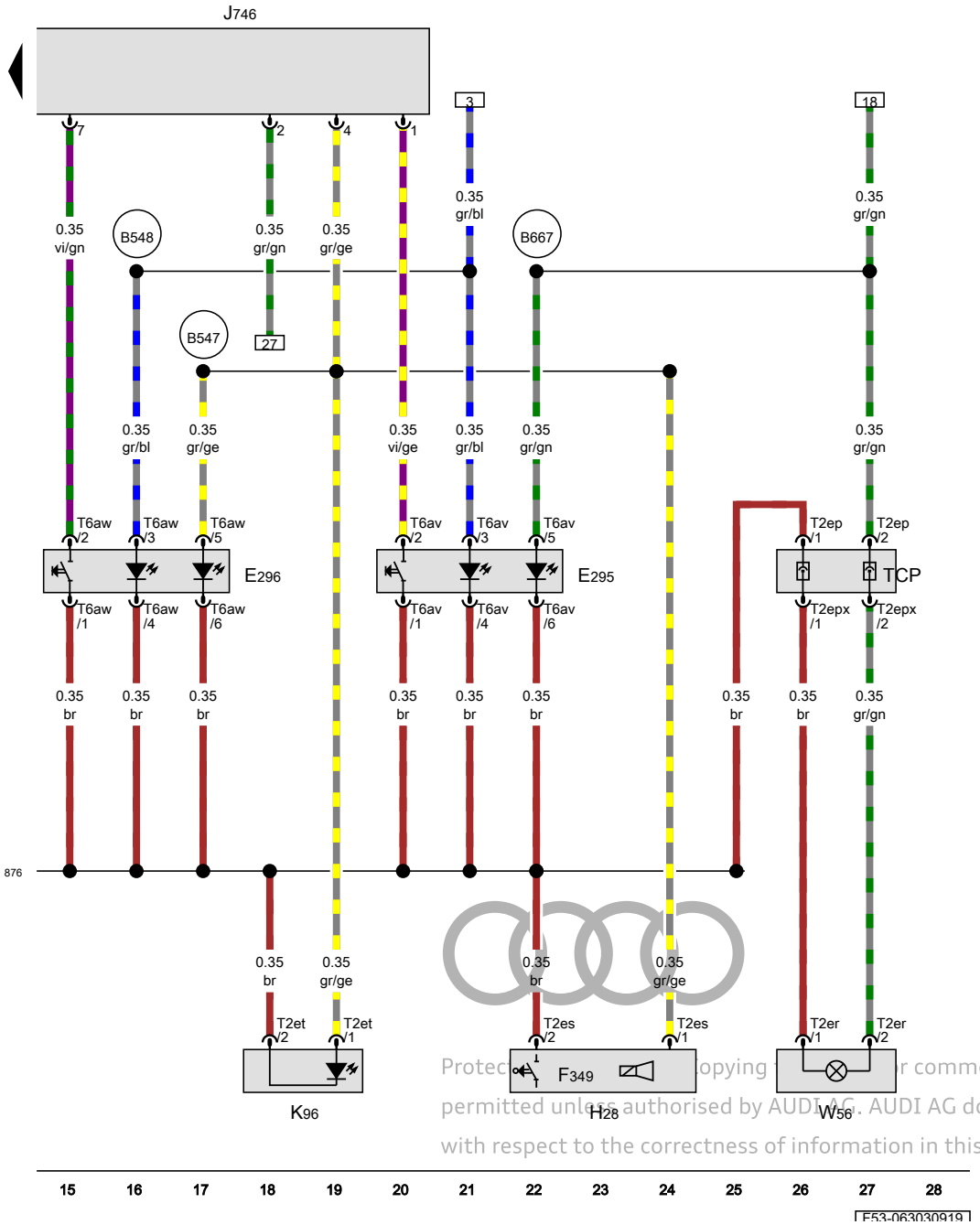

Footwell light switch, Warning buzzer switch, Driving school mode warning buzzer, Driving school mode relay, Warning lamp, Driving school vehicle footwell illumination

E295	Footwell light switch
E296	Warning buzzer switch
F349	Pedal switch for warning buzzer on front passenger side
H28	Driving school mode warning buzzer
J746	Driving school mode relay
K96	Warning lamp
T2ep	2-pin connector, black
T2epx	2-pin connector, black
T2er	2-pin connector, brown
T2es	2-pin connector
T2et	2-pin connector
T6av	6-pin connector
T6aw	6-pin connector, black
TCP	Coupling point on dash panel
W56	Driving school vehicle footwell illumination
876	Earth connection 13 in special vehicle wiring harness
B547	Connection 1, in driving school vehicle wiring harness
B548	Connection (58), in driving school vehicle wiring harness
B667	Connection 2, in driving school vehicle wiring harness

ws	=	white
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Preparation for driving aids for disabled persons , (F6M)

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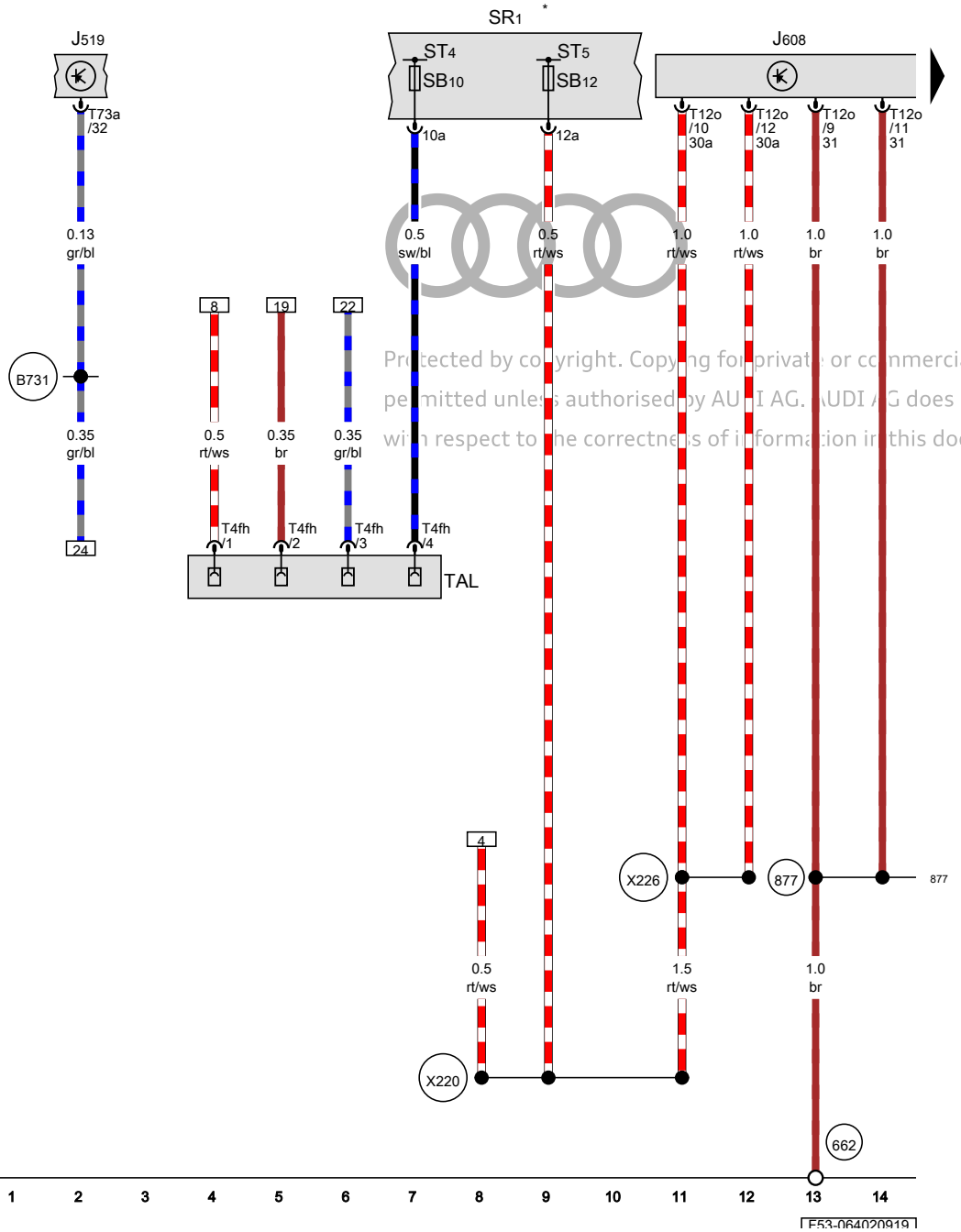

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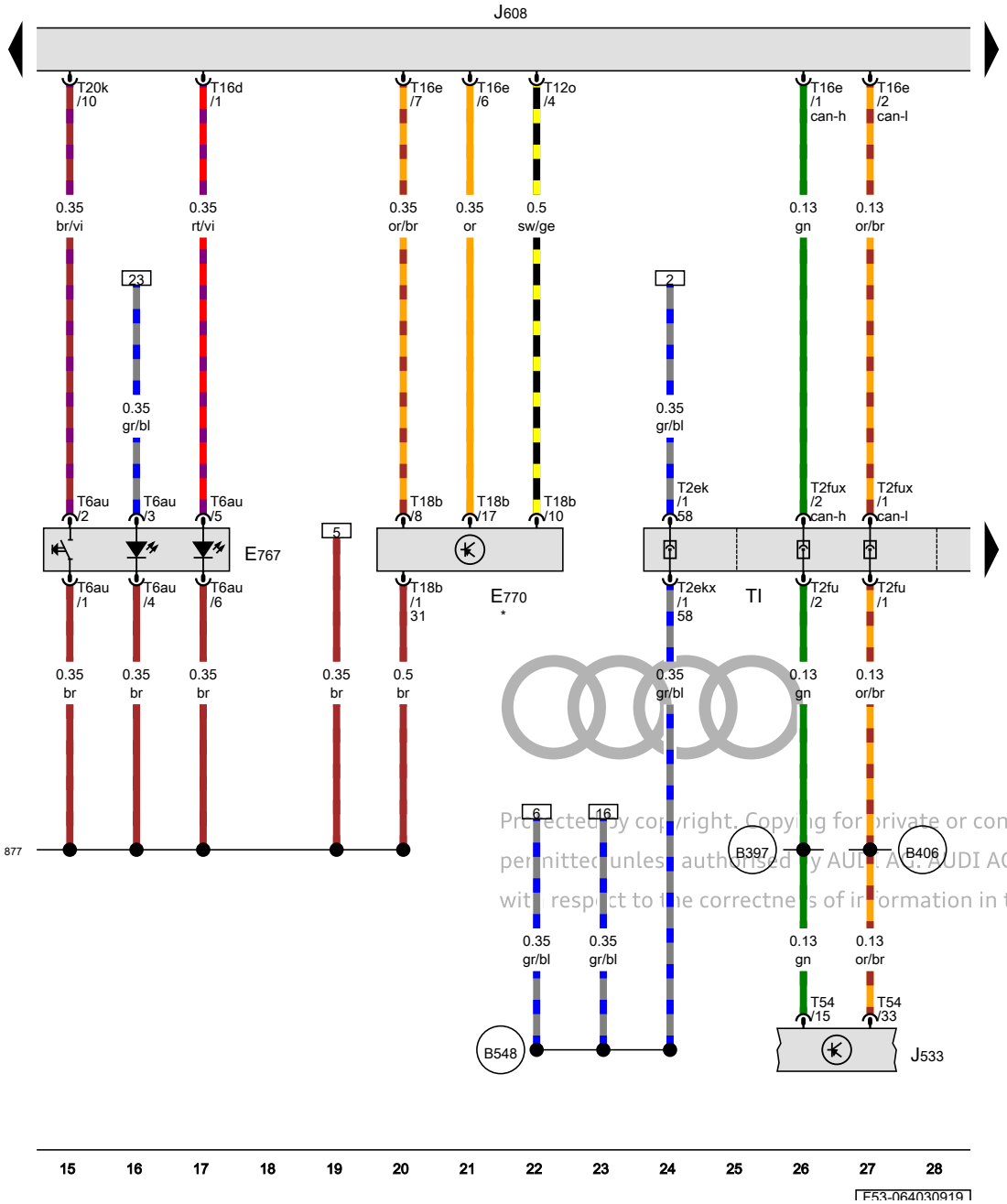
Special vehicle control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
J608	Special vehicle control unit
SR1	Relay and fuse carrier 1
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5, red
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
T4fh	4-pin connector, black
T12o	12-pin connector, black
T73a	73-pin connector, black
TAL	Coupling point on left A-pillar
662	Earth point, rear left side panel
877	Earth connection 14 in special vehicle wiring harness
B731	Connection 1 (58s), in main wiring harness
X220	Positive connection 1 (30a) in special vehicle wiring harness
X226	Positive connection 7 (30a) in special vehicle wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Button for driving aids for disabled persons, Special vehicle control unit

E767	Button for driving aids for disabled persons
E770	Operating unit for driving aids for disabled persons, on left A-pillar
J533	Data bus diagnostic interface
J608	Special vehicle control unit
T2ek	2-pin connector, brown
T2ekx	2-pin connector, brown
T2fu	2-pin connector, brown
T2fux	2-pin connector, brown
T6au	6-pin connector, black
T12o	12-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T18b	18-pin connector, black
T20k	20-pin connector, black
T54	54-pin connector
TI	Coupling point in interior
877	Earth connection 14 in special vehicle wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B548	Connection (58), in driving school vehicle wiring harness
*	Pre-wired component

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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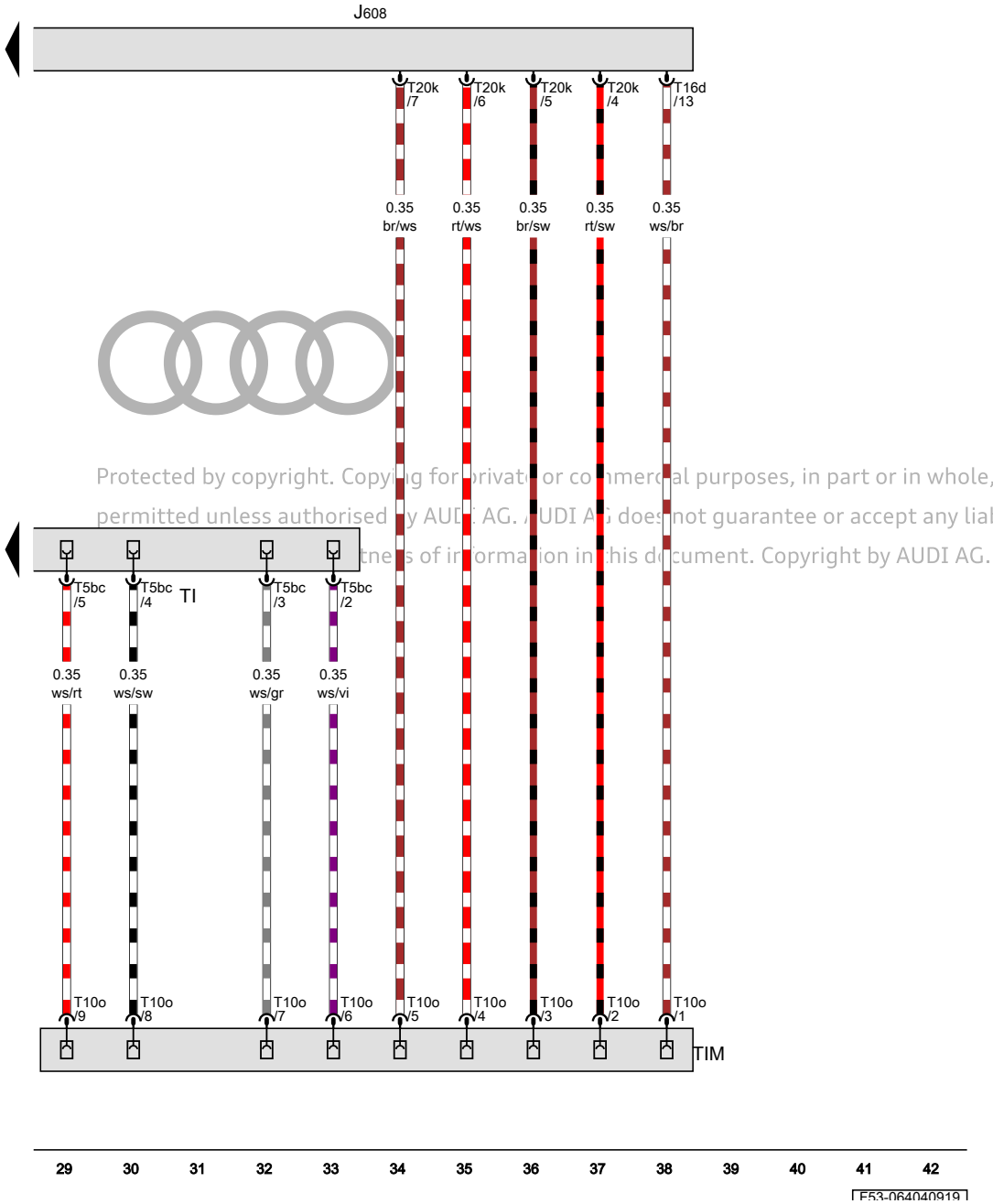

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Special vehicle control unit

J608	Special vehicle control unit
T5bc	5-pin connector, black
T10o	10-pin connector, black
T16d	16-pin connector, black
T20k	20-pin connector, black
TI	Coupling point in interior
TIM	Coupling point in interior, centre

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Preparation for multimedia system , (9WM)

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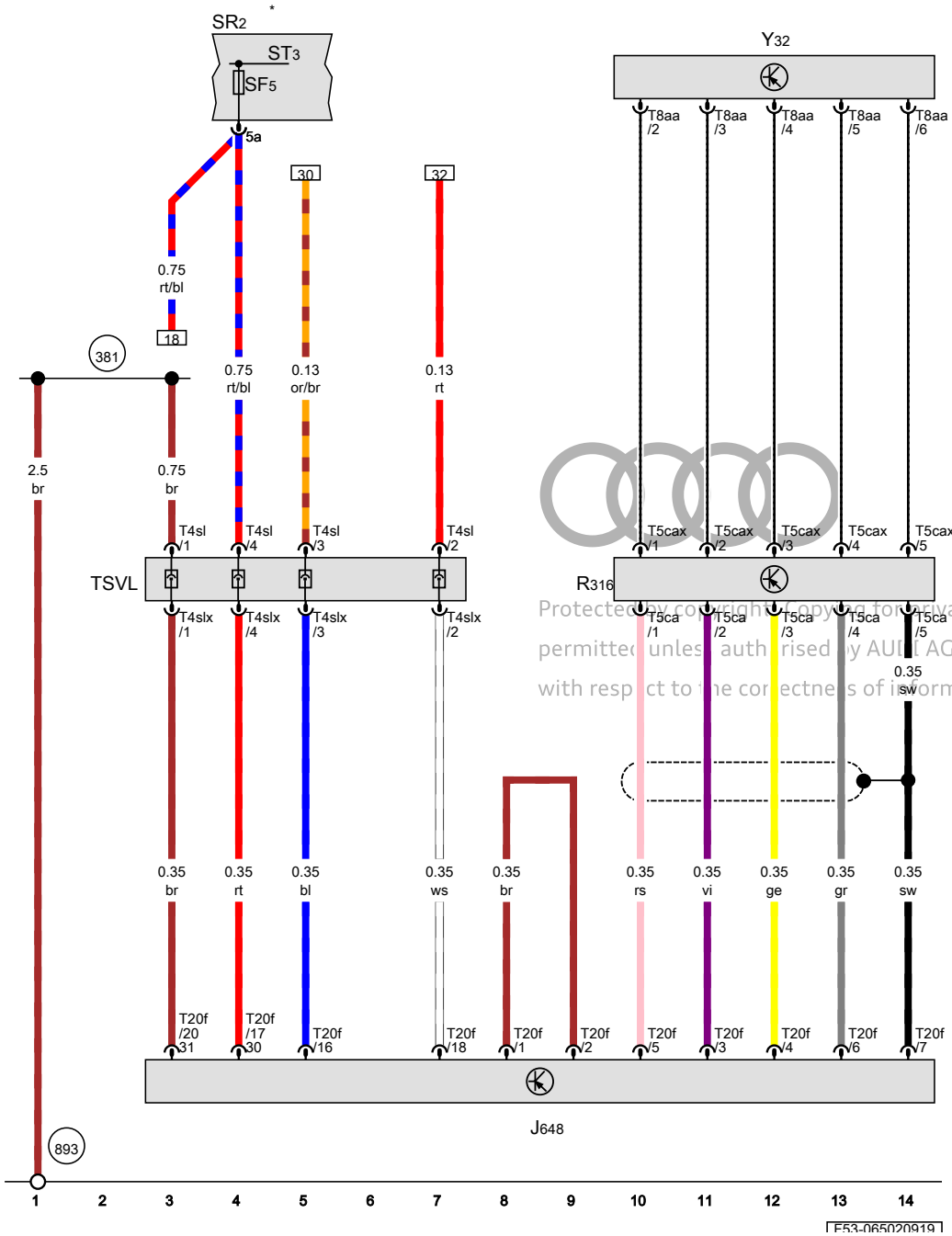

Rear left information display and operating unit control unit, Coupling point for front left seat, Multimedia system display unit 4

J648	Rear left information display and operating unit control unit
R316	Holder for multimedia system display unit 4
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF5	Fuse 5 in fuse holder F
T4sl	4-pin connector, black
T4slx	4-pin connector, black
T5ca	5-pin connector, black
T5cax	5-pin connector, black
T8aa	8-pin connector, black
T20f	20-pin connector, black
TSVL	Coupling point for front left seat
Y32	Multimedia system display unit 4
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
*	see applicable current flow diagram for fuse assignment

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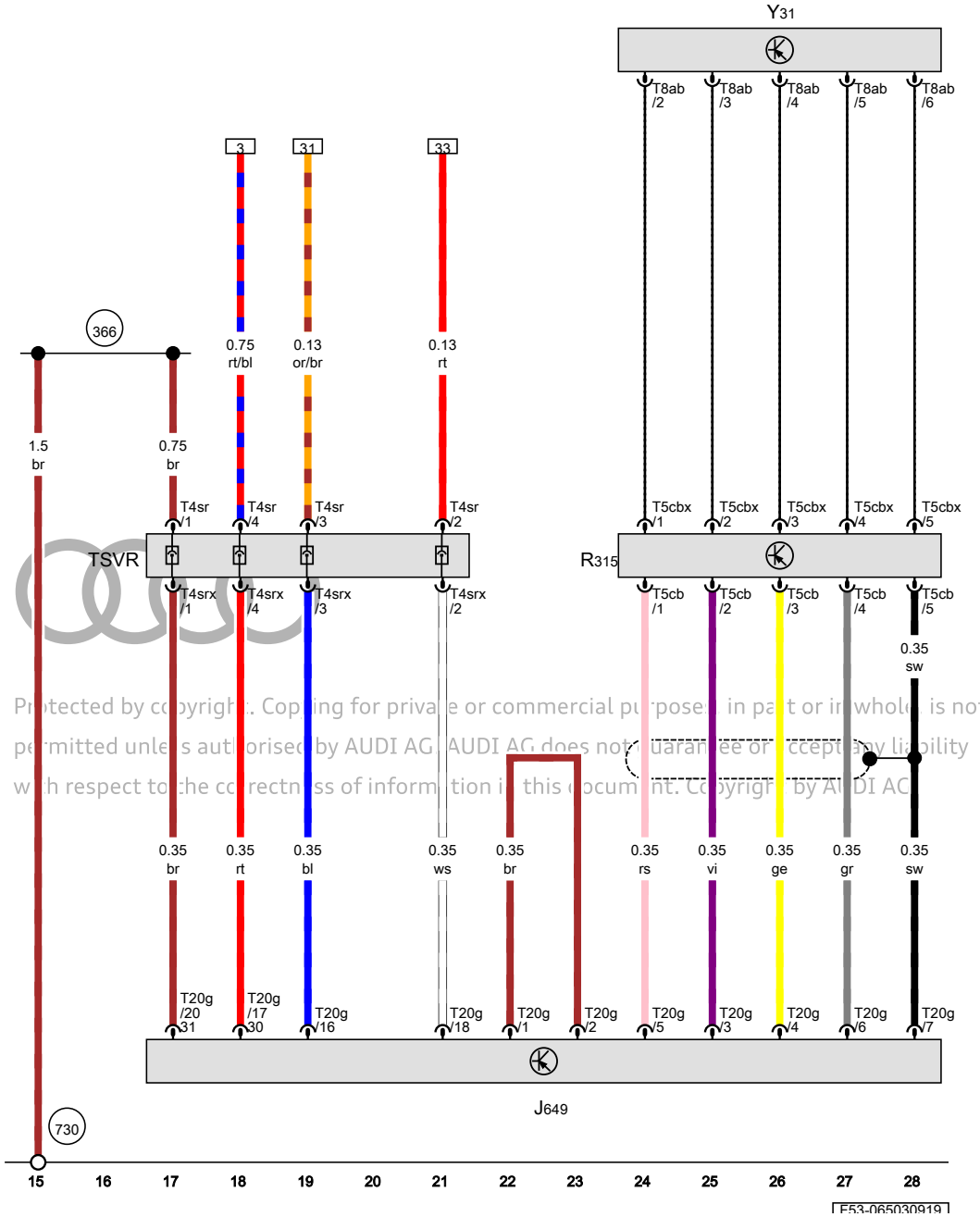

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Rear right information display and operating unit control unit, Coupling point for front right seat, Multimedia system display unit 3

J649	Rear right information display and operating unit control unit
R315	Holder for multimedia system display unit 3
T4sr	4-pin connector, black
T4srx	4-pin connector, black
T5cb	5-pin connector, black
T5cbx	5-pin connector, black
T8ab	8-pin connector, black
T20g	20-pin connector, black
TSVR	Coupling point for front right seat
Y31	Multimedia system display unit 3
366	Earth connection 1, in main wiring harness
730	Earth point 1, on right rear wheel housing

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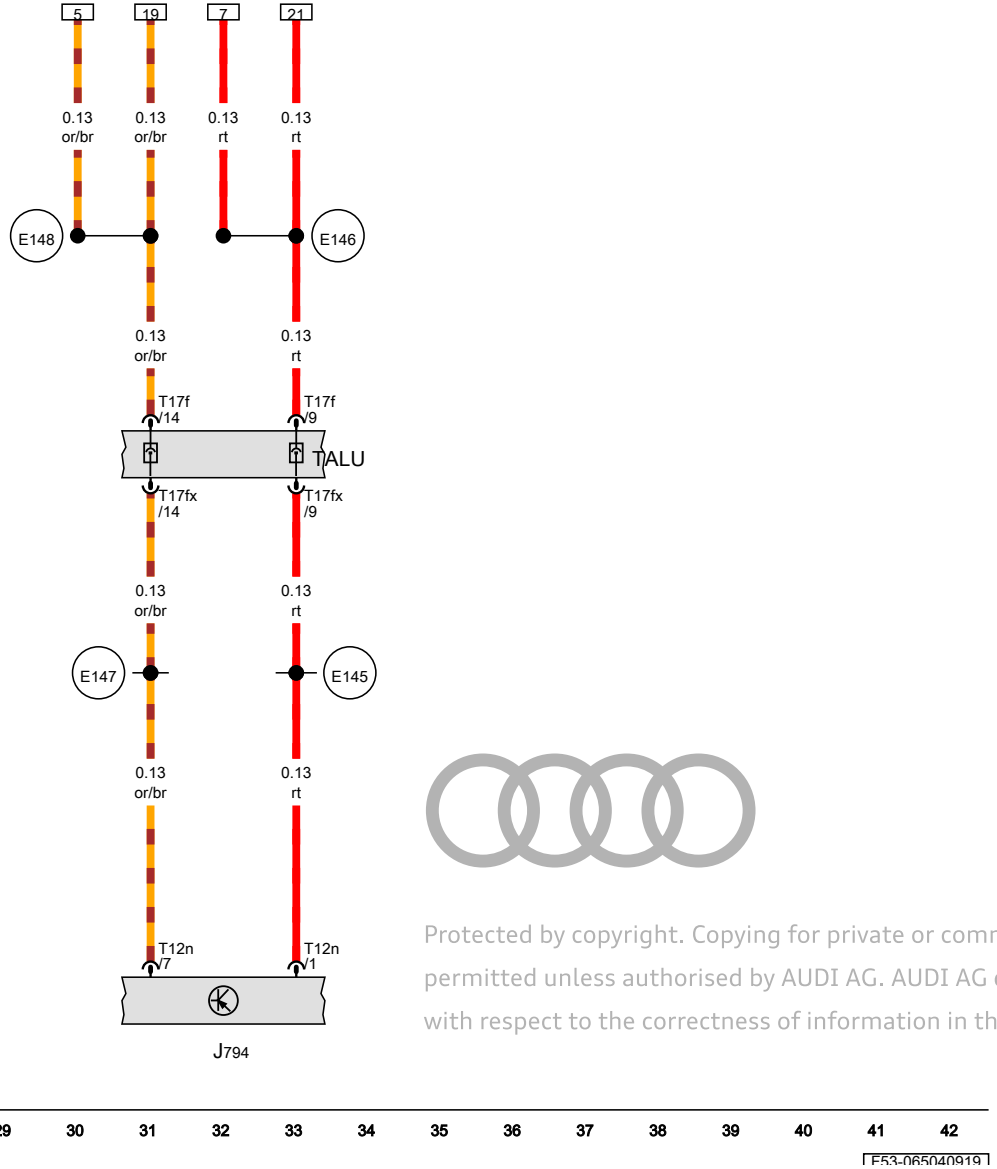
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit 1 for information electronics

J794	Control unit 1 for information electronics
T12n	12-pin connector, grey
T17f	17-pin connector, red
T17fx	17-pin connector, red
TALU	Coupling point on left A-pillar, bottom
E145	Connection 1 (CAN bus, control unit 1 for information electronics, high)
E146	Connection 2 (CAN bus, control unit 1 for information electronics, high)
E147	Connection 1 (CAN bus, control unit 1 for information electronics, low)
E148	Connection 2 (CAN bus, control unit 1 for information electronics, low)



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Electromechanical steering, right-hand drive , (1N8),(L0R),(QZ7)

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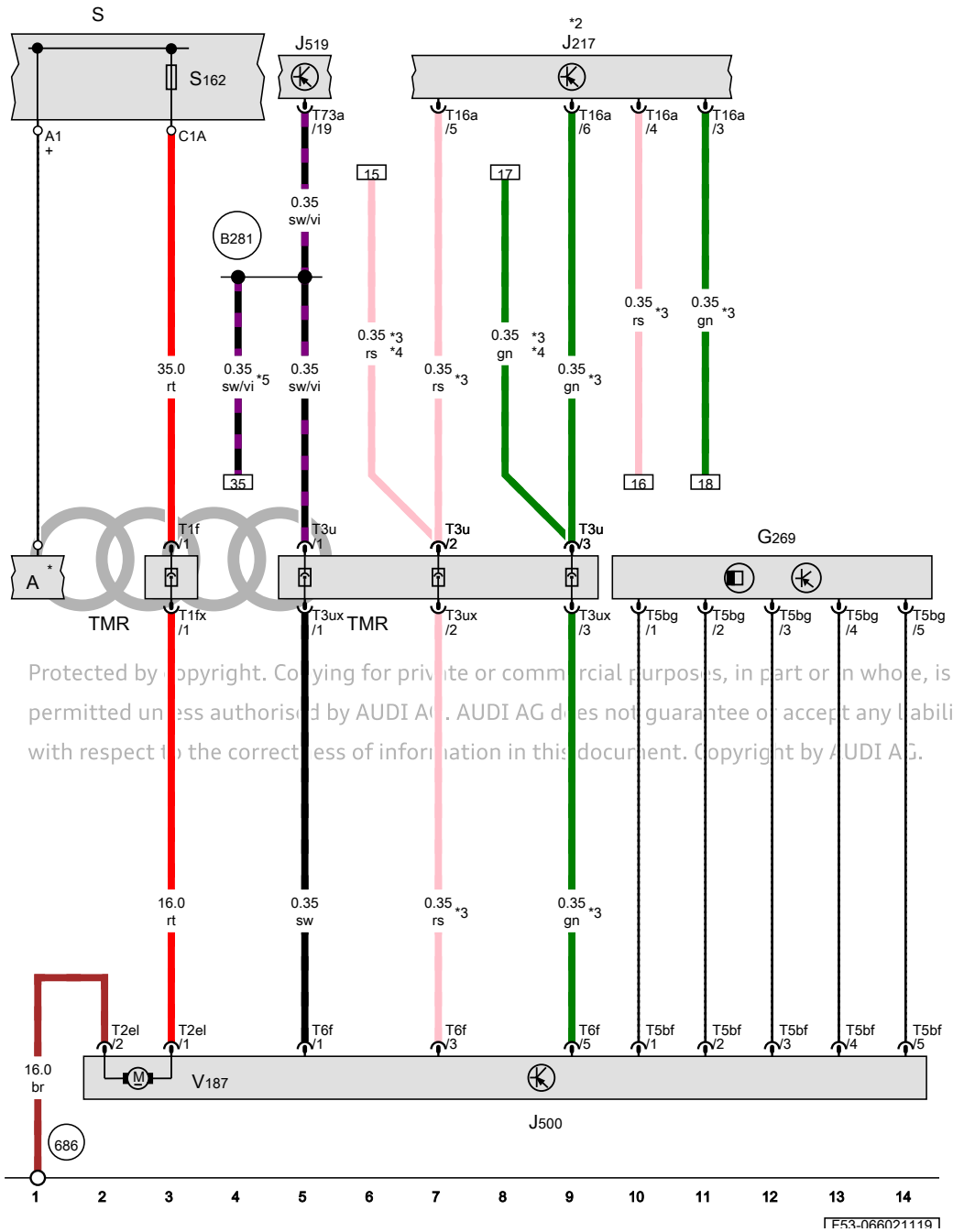

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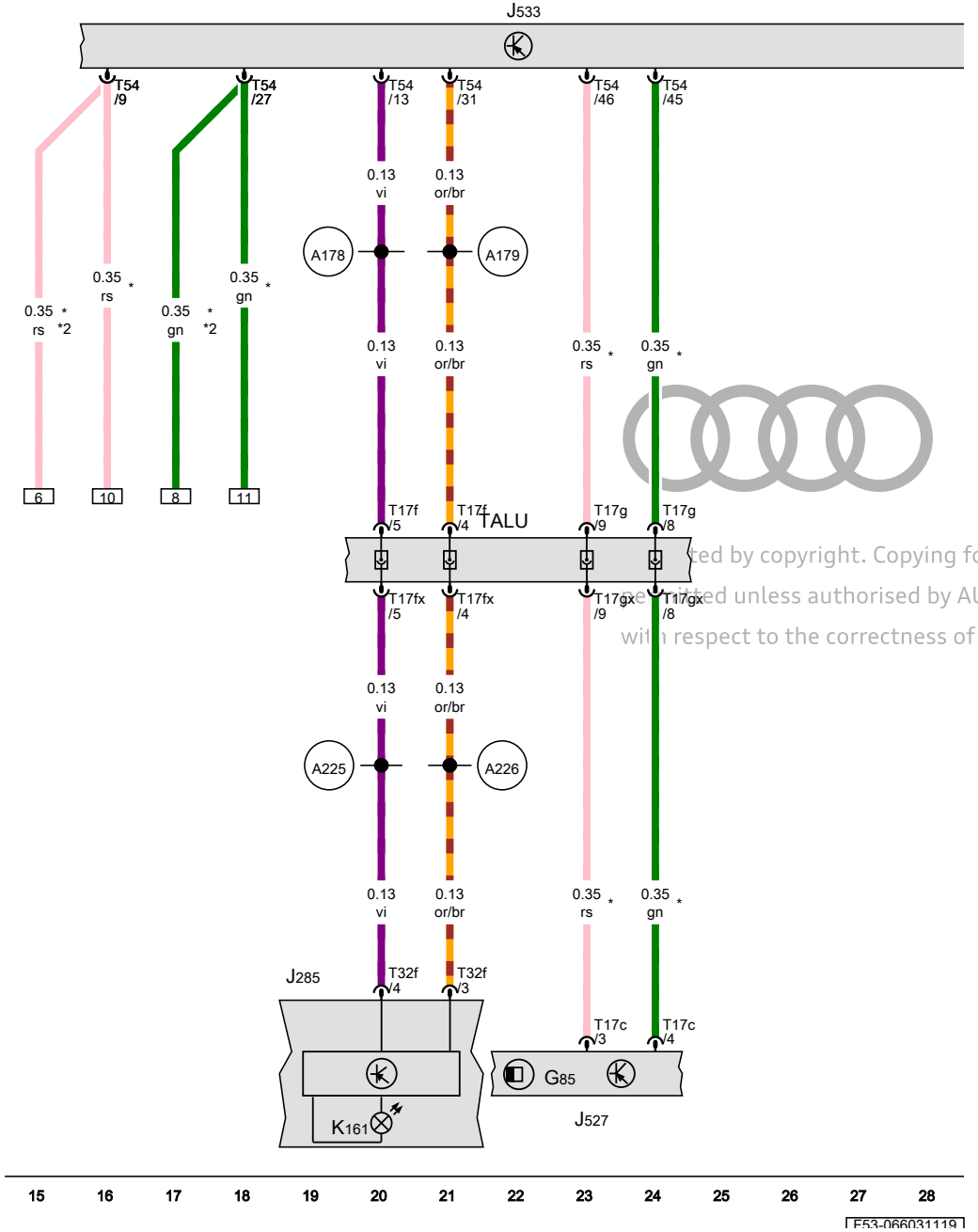
Steering moment sender, Power steering control unit, Electromechanical power steering motor

A	Battery
G269	Steering moment sender
J217	Automatic gearbox control unit
J500	Power steering control unit
J519	Onboard supply control unit
S	Fuses in fuse holder
S162	Fuse 1 (30), in battery fuse holder, on fuse holder, battery
T1f	1-pin connector, black
T1fx	1-pin connector, black
T2el	2-pin connector, black
T3u	3-pin connector, black
T3ux	3-pin connector, black
T5bf	5-pin connector, black
T5bg	5-pin connector, black
T6f	6-pin connector, black
T16a	16-pin connector, black
T73a	73-pin connector, black
TMR	Coupling point in engine compartment, right
V187	Electromechanical power steering motor
686	Earth point 2, on front of right longitudinal member
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	see applicable current flow diagram for automatic gearbox
*3	Data bus wire (FlexRay bus)
*4	For models with manual gearbox
*5	For models with speed-dependent power steering



Data bus diagnostic interface, Electromechanical power steering warning lamp

G85	Steering angle sender
J285	Control unit in dash panel insert
J527	Steering column electronics control unit
J533	Data bus diagnostic interface
K161	Electromechanical power steering warning lamp
T17c	17-pin connector, yellow
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T32f	32-pin connector, grey
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	Data bus wire (FlexRay bus)
*2	For models with manual gearbox

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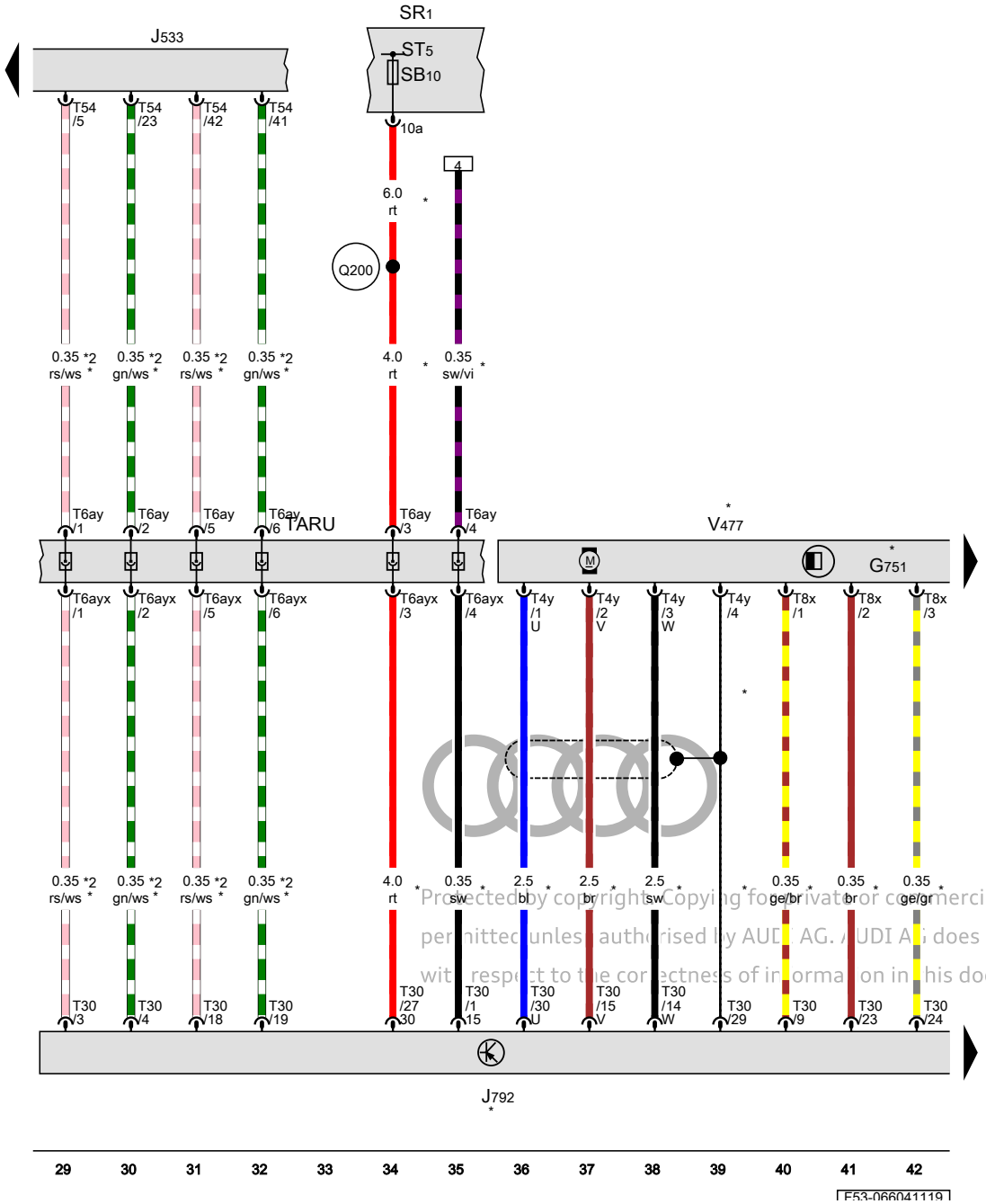
rs	=	pink



Rotor position sender for active steering motor, Data bus diagnostic interface, Active steering control unit, Active steering motor

G751	Rotor position sender for active steering motor
J533	Data bus diagnostic interface
J792	Active steering control unit
SR1	Relay and fuse carrier 1
ST5	Fuse carrier 5, red
SB10	Fuse 10 on fuse holder B
T4y	4-pin connector, black
T6ay	6-pin connector, green
T6ayx	6-pin connector, green
T8x	8-pin connector, black
T30	30-pin connector, black
T54	54-pin connector, black
TARU	Coupling point on right A-pillar, bottom
V477	Active steering motor
Q200	Connection, in electromechanical steering wiring harness
*	For models with speed-dependent power steering
*2	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
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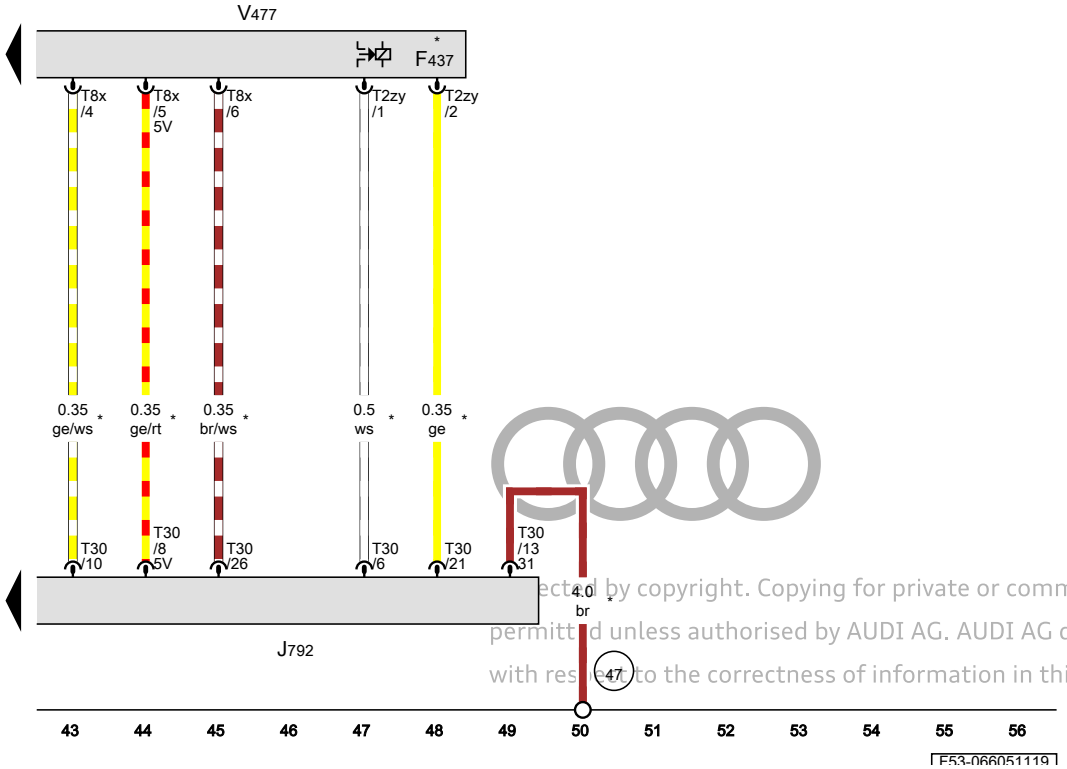
Active steering safety lock actuator, Active steering control unit, Active steering motor

F437	Active steering safety lock actuator
J792	Active steering control unit
T2zy	2-pin connector, black
T8x	8-pin connector, black
T30	30-pin connector, black
V477	Active steering motor
47	Earth point, in front right footwell
*	For models with speed-dependent power steering



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vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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Tail light clusters with LEDs, only models with US equipment , (5C1),(8SP),(8SS)

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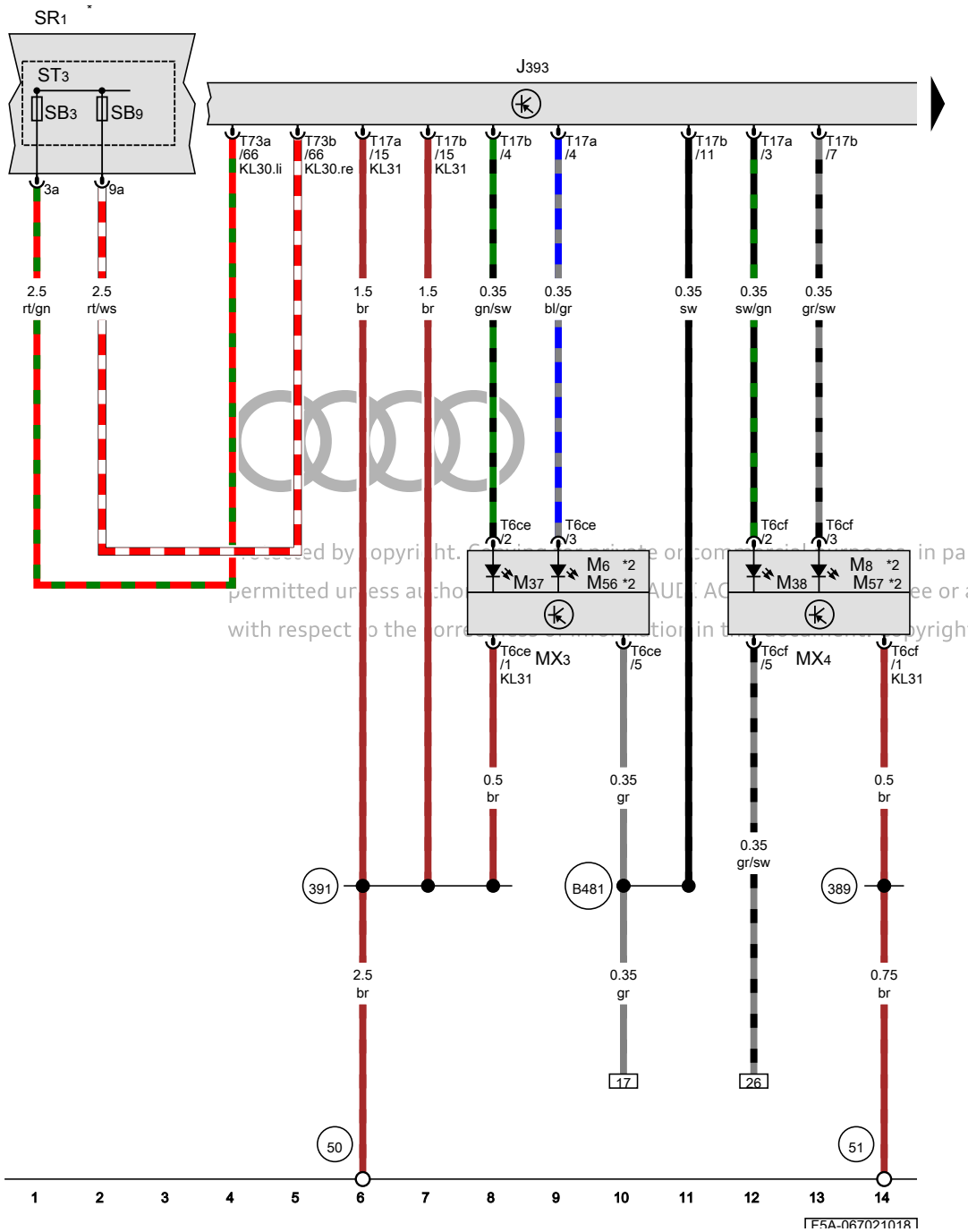

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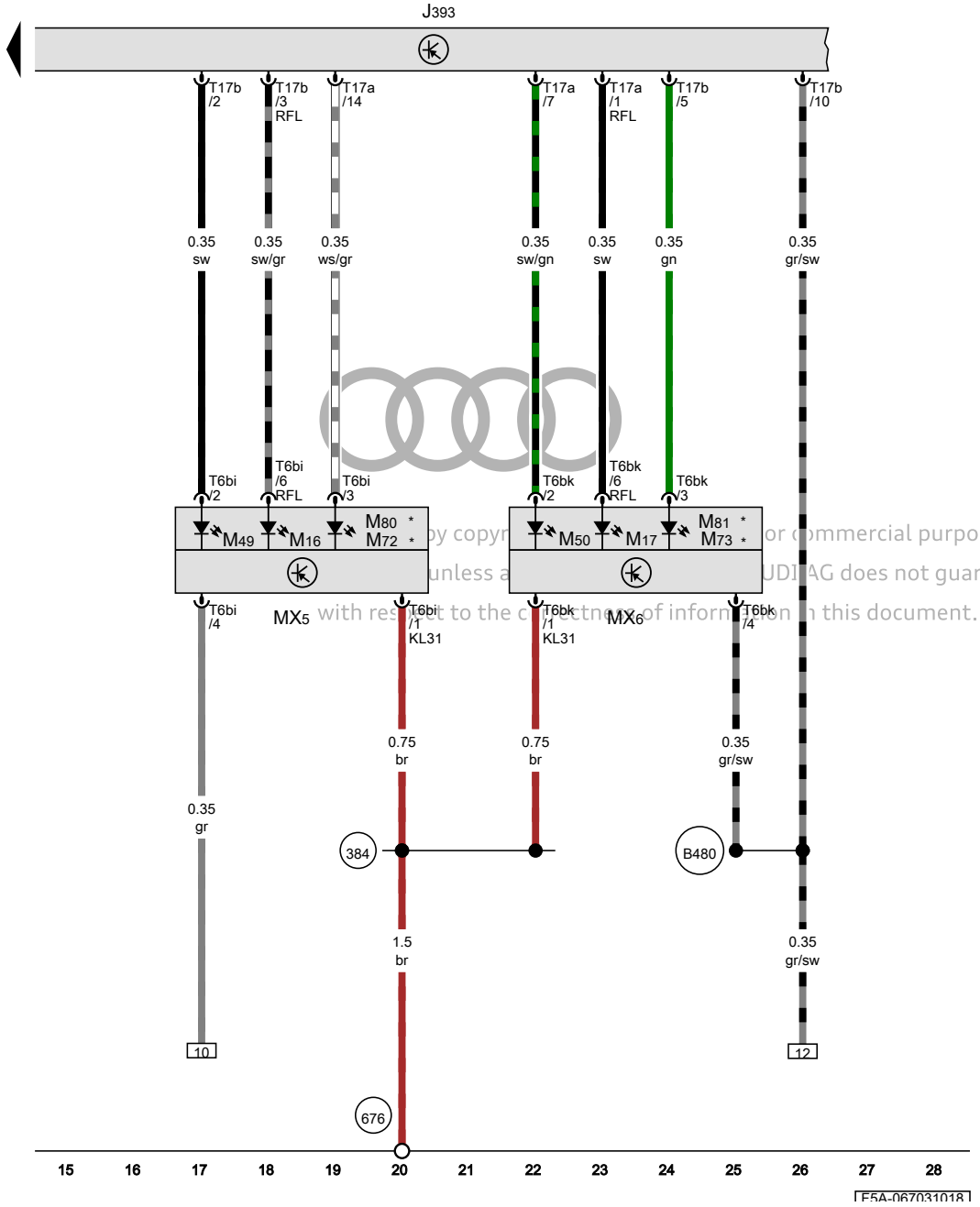
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, Left tail light cluster, Right tail light cluster, Relay and fuse carrier 1

J393	Convenience system central control unit
MX3	Left tail light cluster
MX4	Right tail light cluster
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M37	Rear left side marker bulb
M38	Rear right side marker bulb
M56	Left brake and turn signal bulb
M57	Right brake and turn signal bulb
SR1	Relay and fuse carrier 1
ST3	Fuse carrier 3, black
SB3	Fuse 3 on fuse holder B
SB9	Fuse 9 on fuse holder B
T6ce	6-pin connector, green
T6cf	6-pin connector, green
T17a	17-pin connector, brown
T17b	17-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
389	Earth connection 24, in main wiring harness
391	Earth connection 26, in main wiring harness
B481	Connection 17, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment



Convenience system central control unit, Left tail light cluster 2, Right tail light cluster 2

J393	Convenience system central control unit
MX5	Left tail light cluster 2
MX6	Right tail light cluster 2
M16	Left reversing light bulb
M17	Right reversing light bulb
M49	Left tail light bulb 2
M50	Right tail light bulb 2
M72	Bulb 2 for left brake, turn signal and tail light
M73	Bulb 2 for right brake, turn signal and tail light
M80	Bulb 2 for rear left turn signal
M81	Bulb 2 for rear right turn signal
T6bi	6-pin connector, brown
T6bk	6-pin connector, brown
T17a	17-pin connector, brown
T17b	17-pin connector, black
384	Earth connection 19, in main wiring harness
676	Earth point 2, on left in luggage compartment
B480	Connection 16, in main wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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Data bus network (FlexRay bus)

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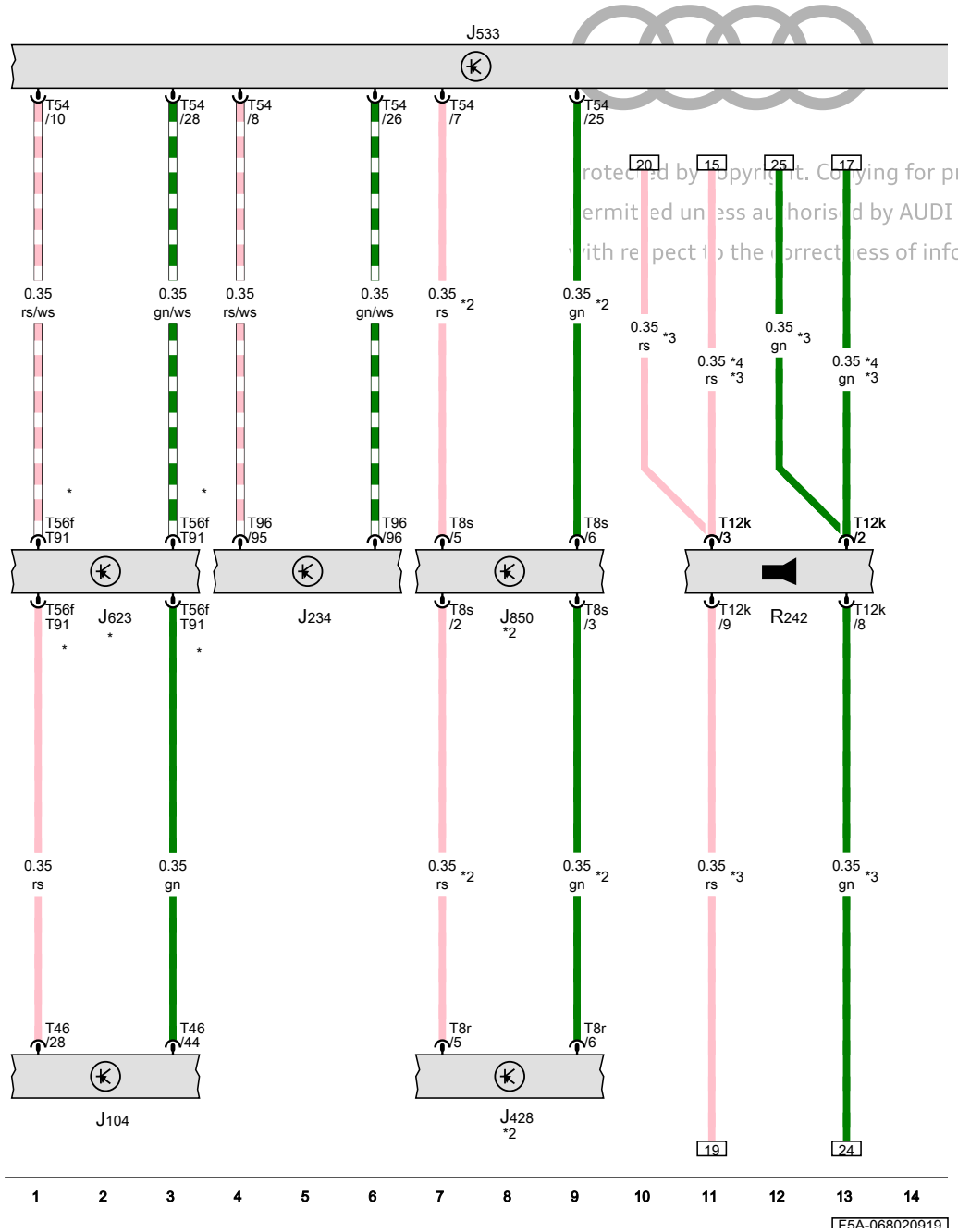

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ABS control unit, Airbag control unit, Adaptive cruise control unit, Data bus diagnostic interface, Engine/motor control unit, Control unit 2 for adaptive cruise control, Front camera for driver assist systems

J104	ABS control unit
J234	Airbag control unit
J428	Adaptive cruise control unit
J533	Data bus diagnostic interface
J623	Engine/motor control unit
J850	Control unit 2 for adaptive cruise control
R242	Front camera for driver assist systems
T8r	8-pin connector, black
T8s	8-pin connector, black
T12k	12-pin connector, black
T46	46-pin connector, black
T54	54-pin connector, black
T56f	56-pin connector, black
T96	96-pin connector, black
*	see applicable current flow diagram for engine
*2	For models with adaptive cruise control (ACC)
*3	For driver assist systems
*4	For models with electronic damping control

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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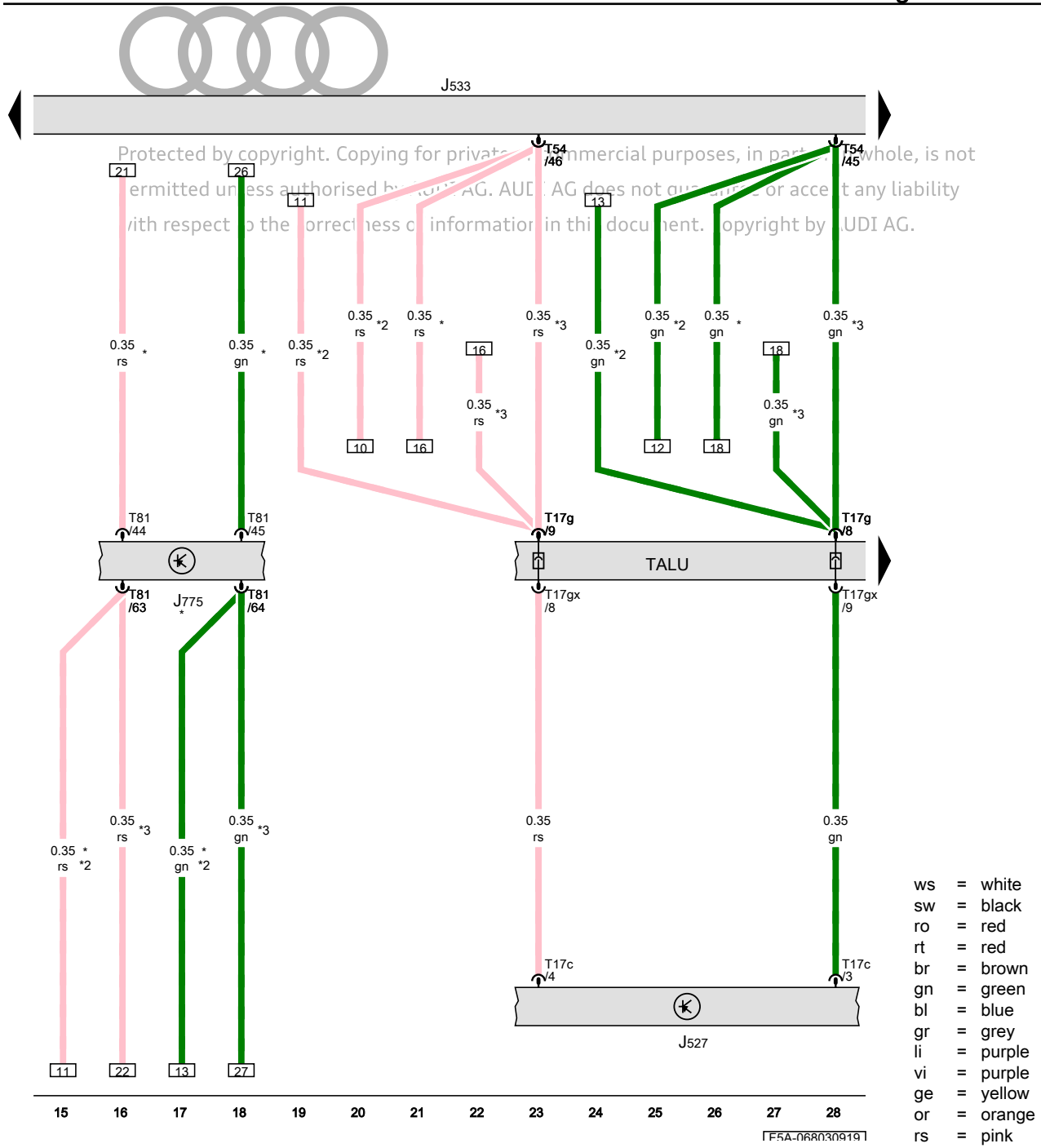

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Steering column electronics control unit, Data bus diagnostic interface, Running gear control unit

J527	Steering column electronics control unit
J533	Data bus diagnostic interface
J775	Running gear control unit
T17c	17-pin connector, yellow
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T54	54-pin connector, black
T81	81-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with electronic damping control
*2	For driver assist systems
*3	Not for models with driver assist system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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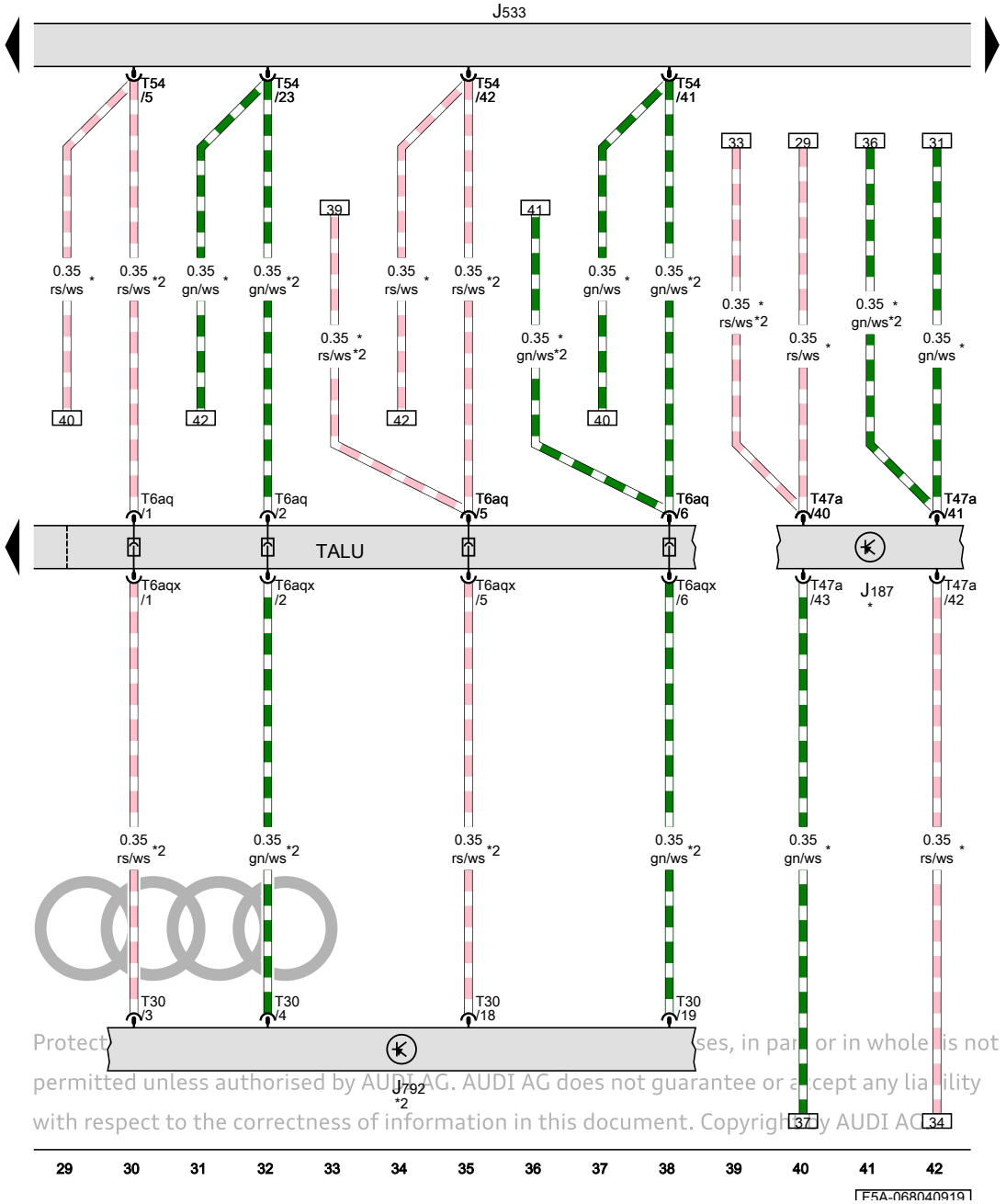
ge	=	yellow
or	=	orange
rs	=	pink

Differential lock control unit, Data bus diagnostic interface, Active steering control unit

J187	Differential lock control unit
J533	Data bus diagnostic interface
J792	Active steering control unit
T6aq	6-pin connector, green
T6aqx	6-pin connector, green
T30	30-pin connector, black
T47a	47-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with rear final drive - sport differential
*2	For models with active steering



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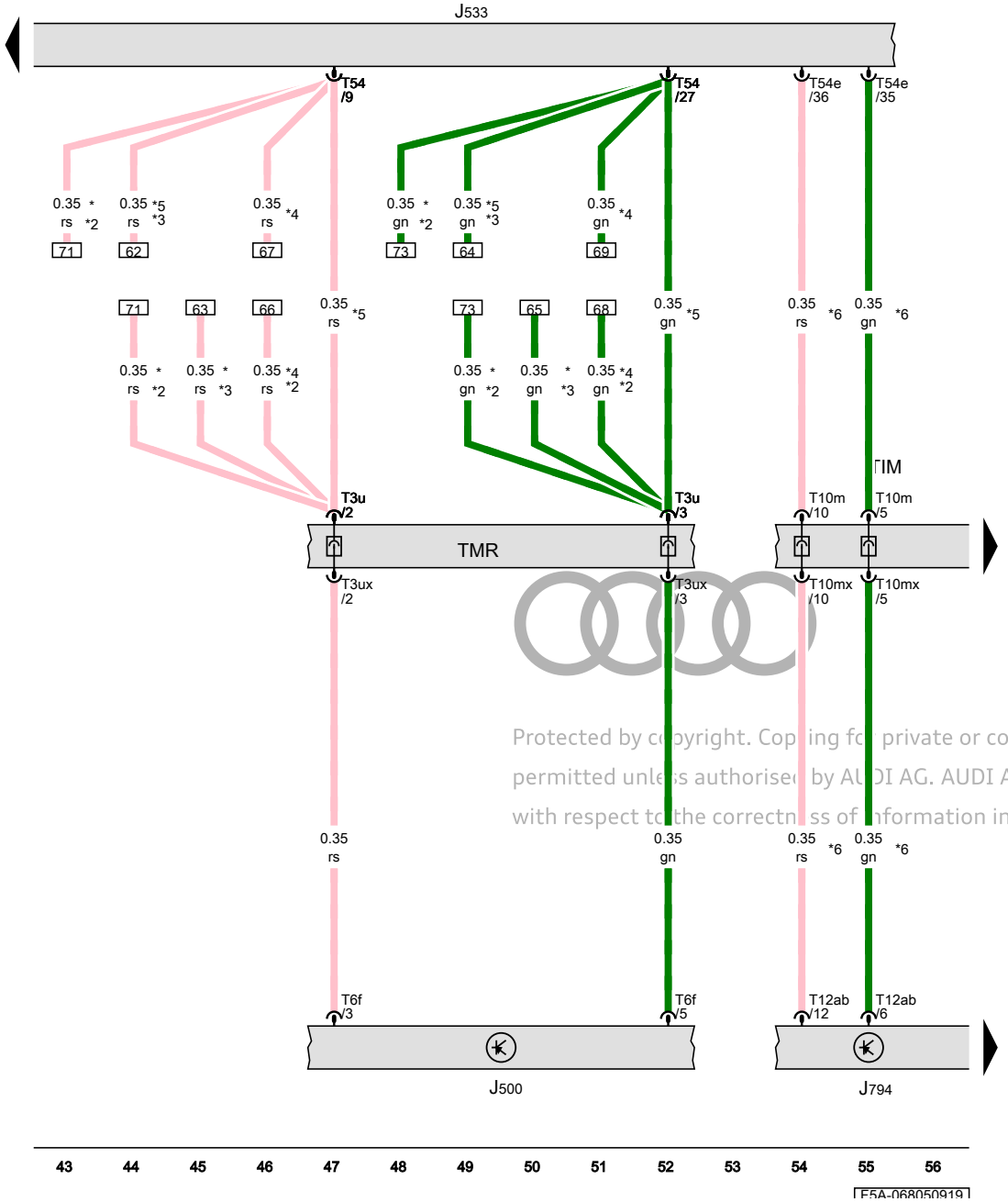
Power steering control unit, Data bus diagnostic interface, Control unit 1 for information electronics

J500	Power steering control unit
J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
T3u	3-pin connector, black
T3ux	3-pin connector, black
T6f	6-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12ab	12-pin connector, green
T54	54-pin connector, black
T54e	54-pin connector, grey
TIM	Coupling point in interior, centre
TMR	Coupling point in engine compartment, right
*	For models with automatic gearbox
*2	For models with no all-wheel drive
*3	For models with all-wheel drive
*4	For models with dual clutch gearbox
*5	For models with manual gearbox
*6	Connection for ethernet



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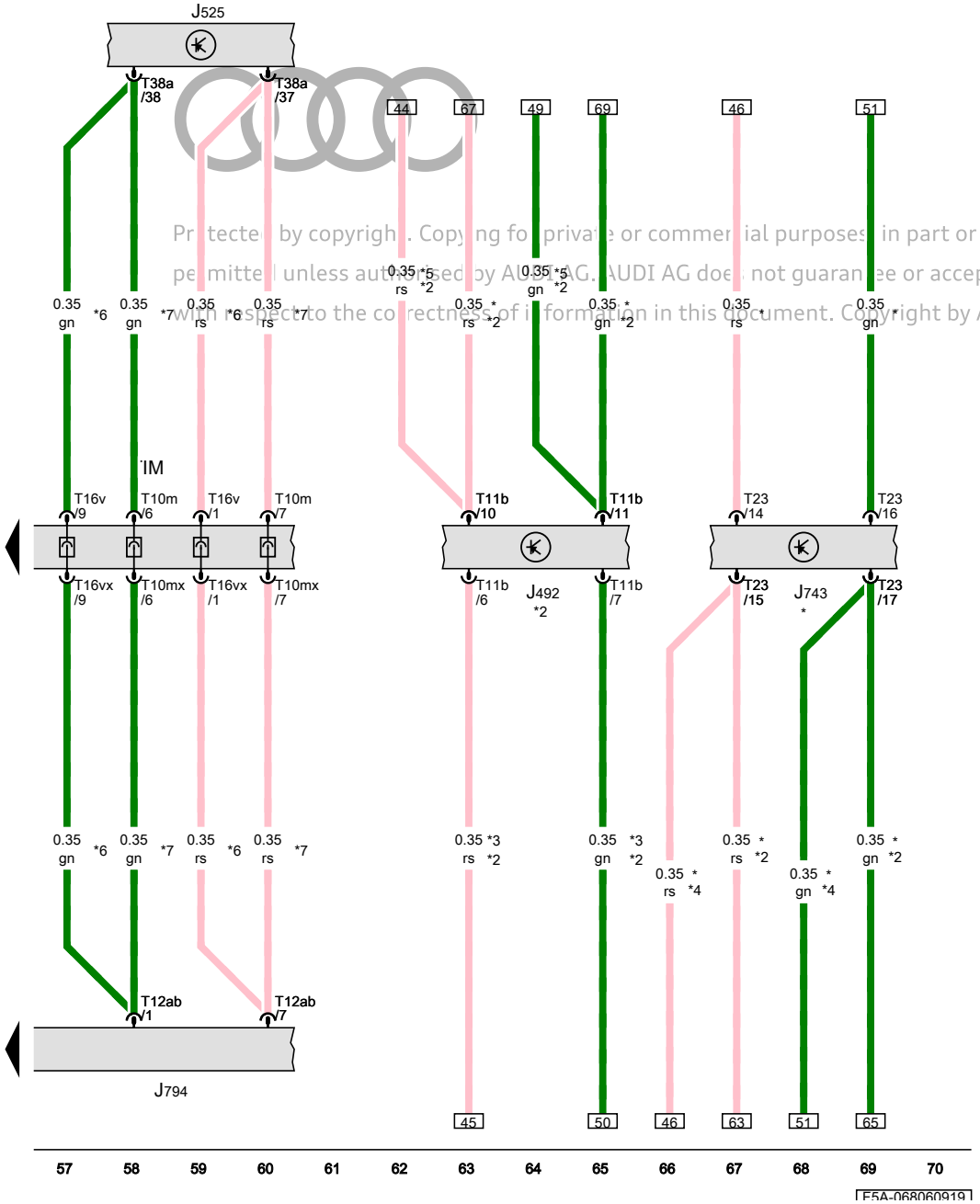

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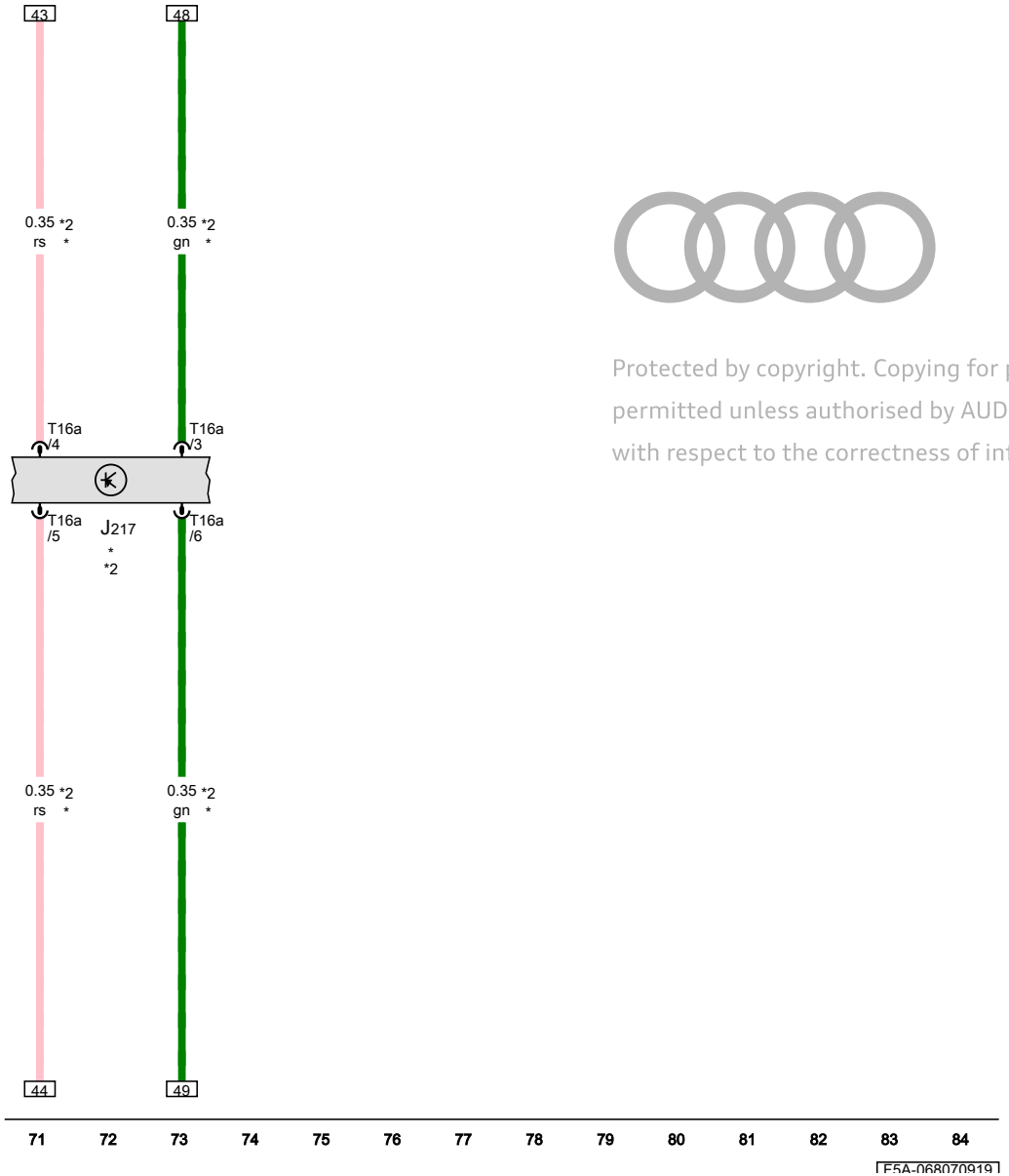
All-wheel drive control unit, Digital sound package control unit, Mechatronic unit for dual clutch gearbox, Control unit 1 for information electronics

J492	All-wheel drive control unit
J525	Digital sound package control unit
J743	Mechatronic unit for dual clutch gearbox
J794	Control unit 1 for information electronics
T10m	10-pin connector, black
T10mx	10-pin connector, black
T11b	11-pin connector, black
T12ab	12-pin connector, green
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T23	23-pin connector, black
T38a	38-pin connector, black
TIM	Coupling point in interior, centre
*	For models with dual clutch gearbox
*2	For models with all-wheel drive
*3	For models with automatic gearbox
*4	For models with no all-wheel drive
*5	For models with manual gearbox
*6	From December 2019
*7	Up to November 2019

Automatic gearbox control unit

J217	Automatic gearbox control unit
T16a	16-pin connector, black
*	For models with no all-wheel drive
*2	For models with automatic gearbox



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Emergency call module , (IV0),(IW1),(IW3),(IW5)

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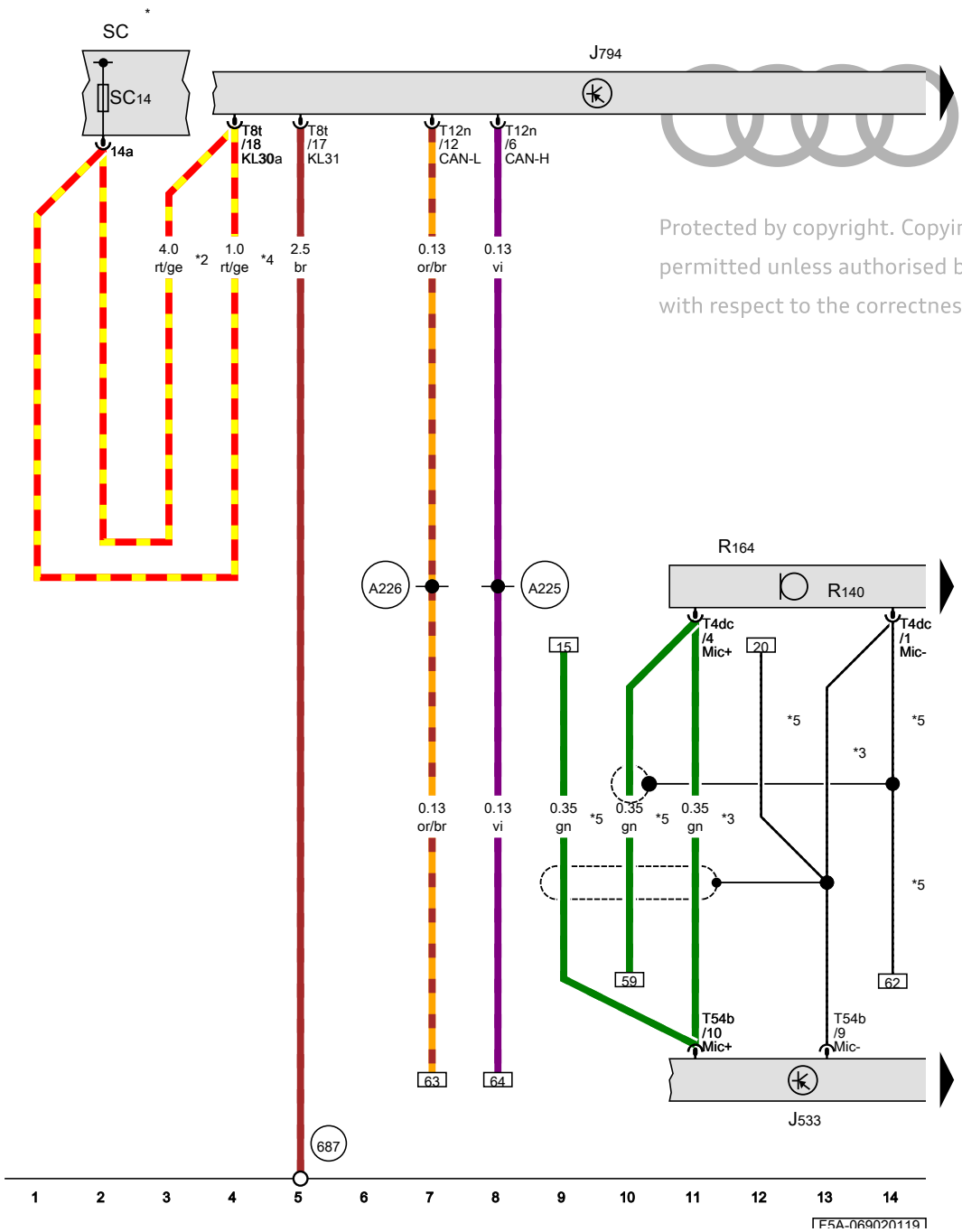

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Data bus diagnostic interface, Control unit 1 for information electronics, Front left microphone, Microphone unit in front roof module, Fuse holder C

J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R140	Front left microphone
R164	Microphone unit in front roof module
SC	Fuse holder C
SC14	Fuse 14 on fuse holder C
T4dc	4-pin connector, grey
T8t	8-pin connector, black
T12n	12-pin connector, grey
T54b	54-pin connector, blue
687	Earth point 1, on centre tunnel
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with 8 loudspeakers (8RM)
*3	For left-hand drive models
*4	For models with Bang & Olufsen sound system
*5	For right-hand drive models

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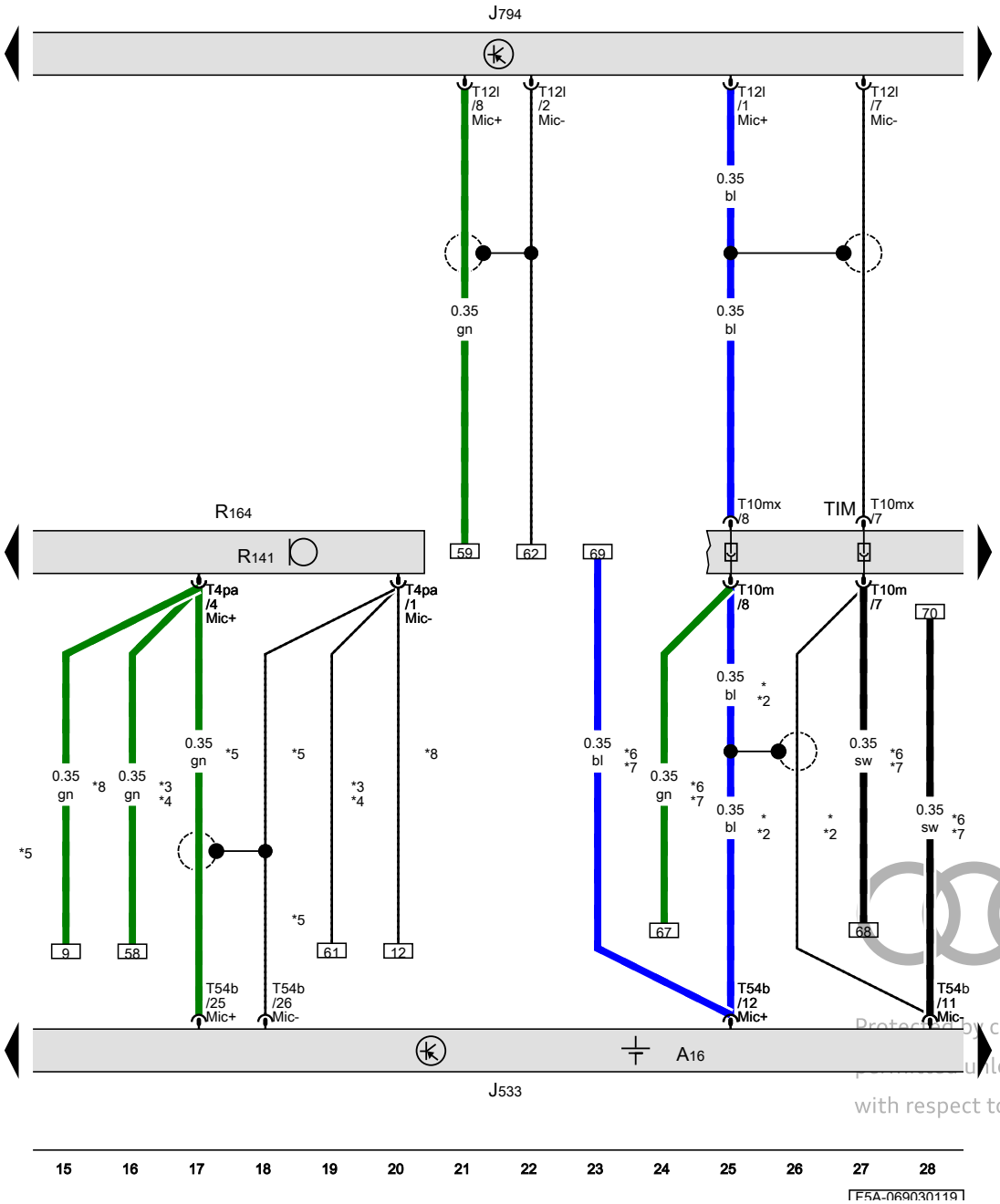

Data bus diagnostic interface, Control unit 1 for information electronics, Front right microphone, Microphone unit in front roof module

A16	Emergency battery, telematics
J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R141	Front right microphone
R164	Microphone unit in front roof module
T4pa	4-pin connector, blue
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12l	12-pin connector, blue
T54	54-pin connector, black
T54b	54-pin connector, blue
TIM	Coupling point in interior, centre
*	Sportback
*2	Coupé
*3	For left-hand drive models
*4	Not for models with equipment for Russia
*5	For models with equipment for Russia
*6	For models with seat belt microphone
*7	For Cabriolet models
*8	For right-hand drive models

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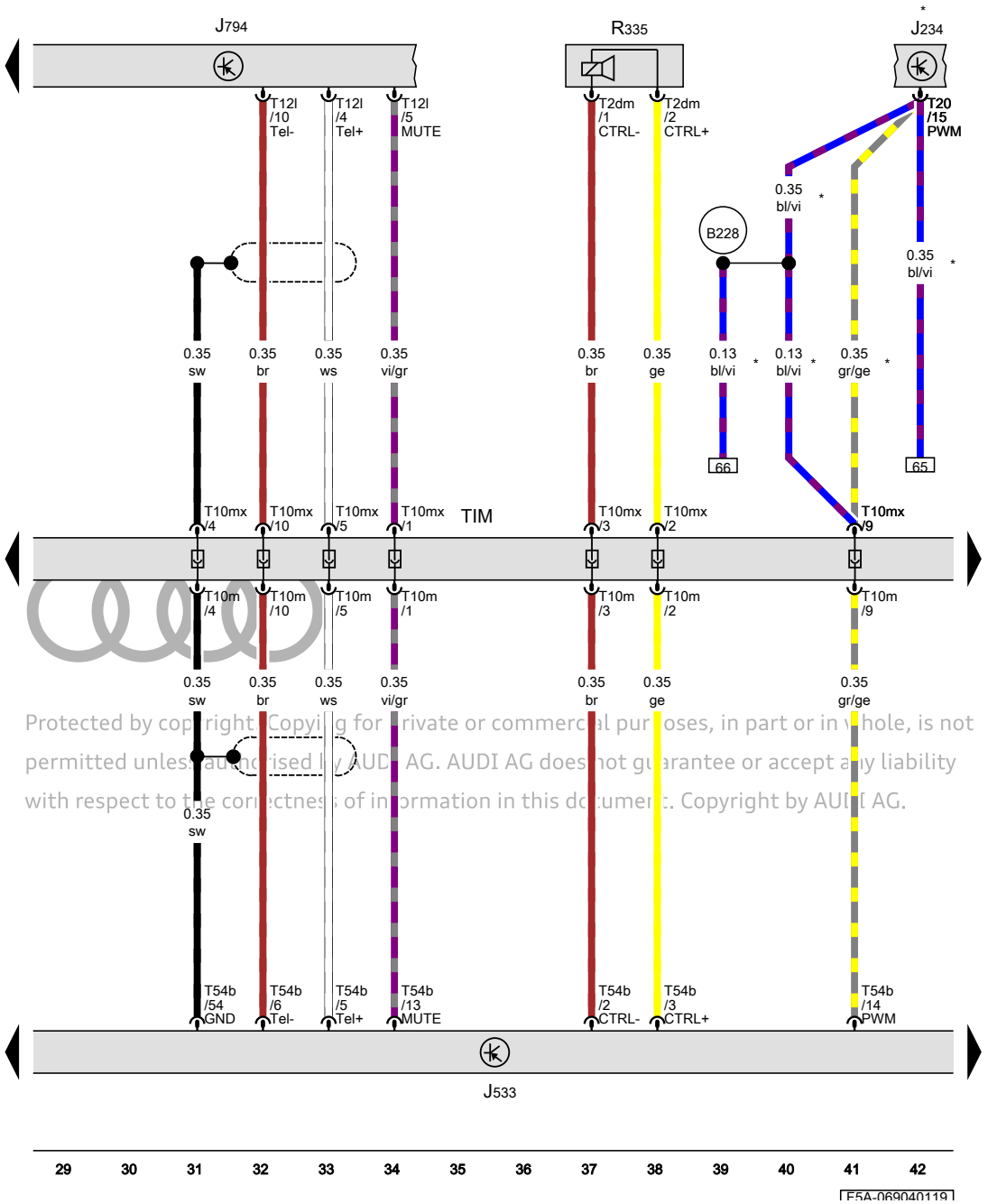

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Airbag control unit, Data bus diagnostic interface, Control unit 1 for information electronics, Loudspeaker for emergency call module

J234	Airbag control unit
J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R335	Loudspeaker for emergency call module
T2dm	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12l	12-pin connector, blue
T20	20-pin connector, yellow
T54b	54-pin connector, blue
TIM	Coupling point in interior, centre
B228	Connection (crash signal), in interior wiring harness
*	According to equipment

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sw	=	black
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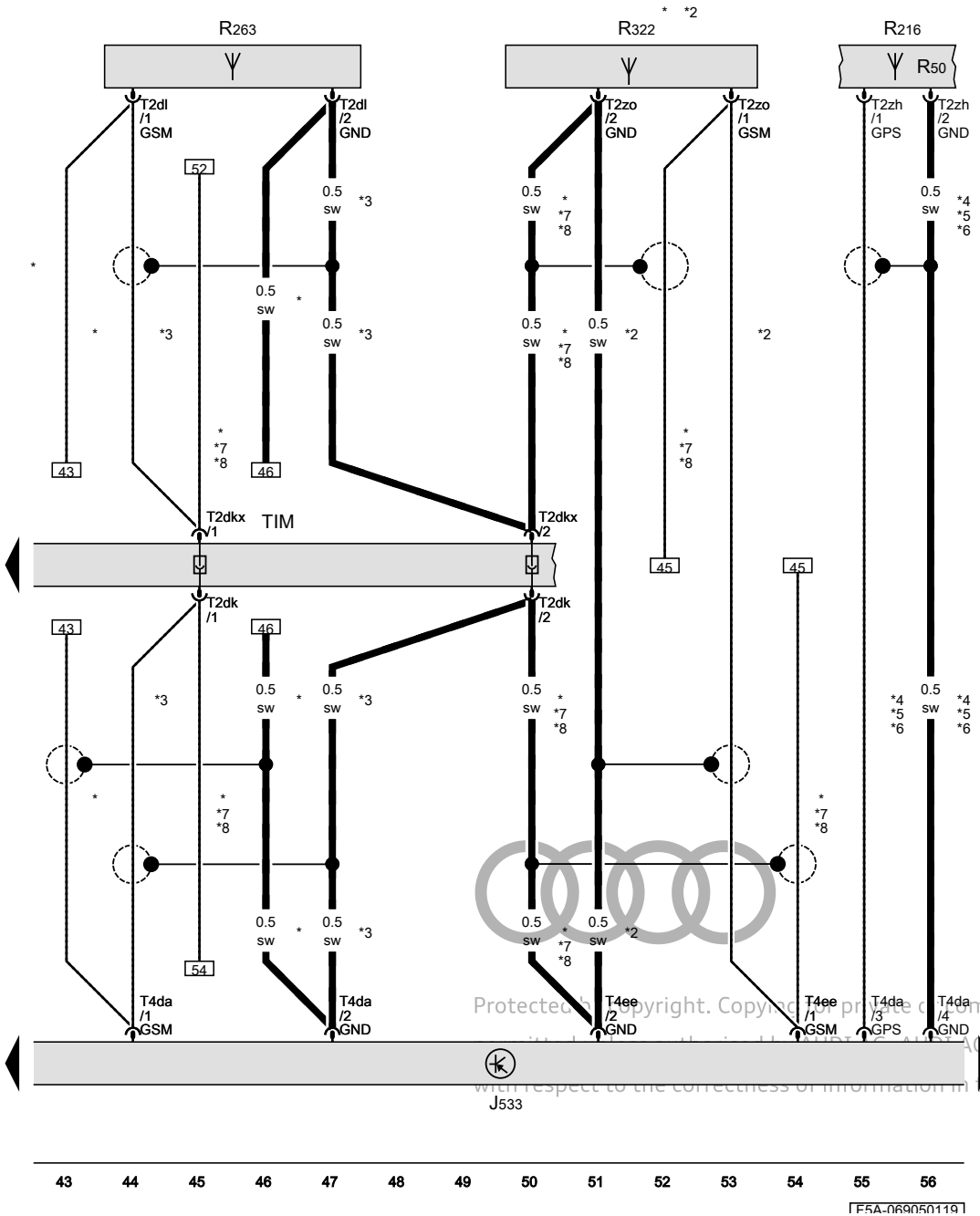

Data bus diagnostic interface, GPS aerial, Roof aerial, Emergency call module aerial, Emergency call module aerial 2

J533	Data bus diagnostic interface
R50	GPS aerial, in rear part of roof
R216	Roof aerial, in rear part of roof
R263	Emergency call module aerial, in dash panel, in left side window, in rear shelf
R322	Emergency call module aerial 2, in dash panel, on data bus diagnostic interface
T2dk	2-pin connector, purple
T2dkx	2-pin connector, purple
T2dl	2-pin connector, purple
T2zh	2-pin connector, blue
T2zo	2-pin connector, purple
T4da	4-pin connector, pink
T4ee	4-pin connector, purple
TIM	Coupling point in interior, centre
*	For models with heated windscreen
*2	For Cabriolet models
*3	For models with heat-reflecting glass
*4	For models with no navigation system
*5	For models with equipment for Russia
*6	For models with vehicle location system
*7	Sportback
*8	Coupé

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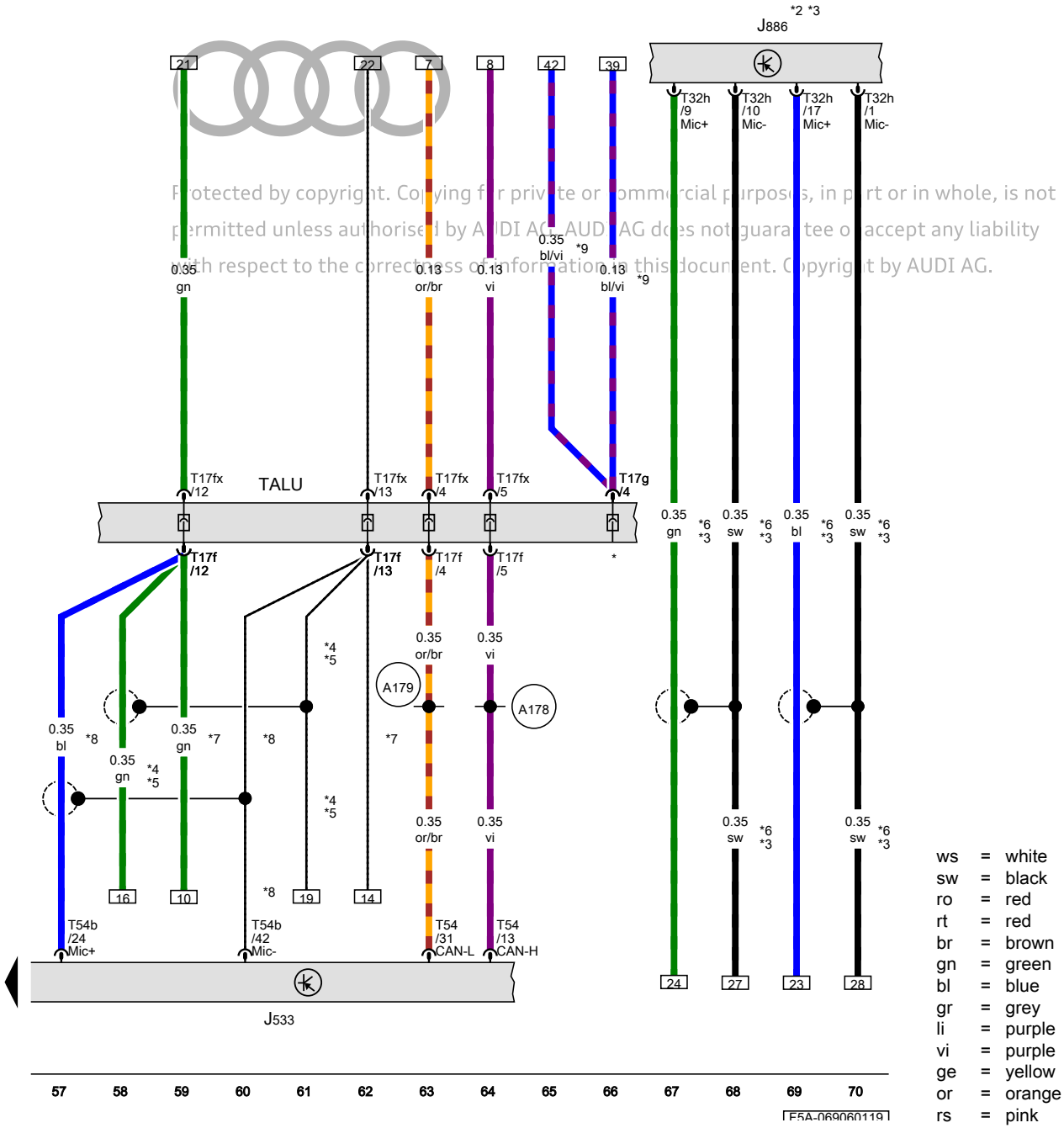

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Data bus diagnostic interface, Control unit for seat belt microphone

J533	Data bus diagnostic interface
J886	Control unit for seat belt microphone
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T32h	32-pin connector, black
T54	54-pin connector, black
T54b	54-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
*	see applicable current flow diagram for seat adjustment
*2	see applicable current flow diagram for MMI (information electronics)
*3	For Cabriolet models
*4	For left-hand drive models
*5	Not for models with equipment for Russia
*6	For models with seat belt microphone
*7	For right-hand drive models
*8	For models with equipment for Russia
*9	According to equipment

Special equipment, public authority vehicle , (F6F)

From November 2016

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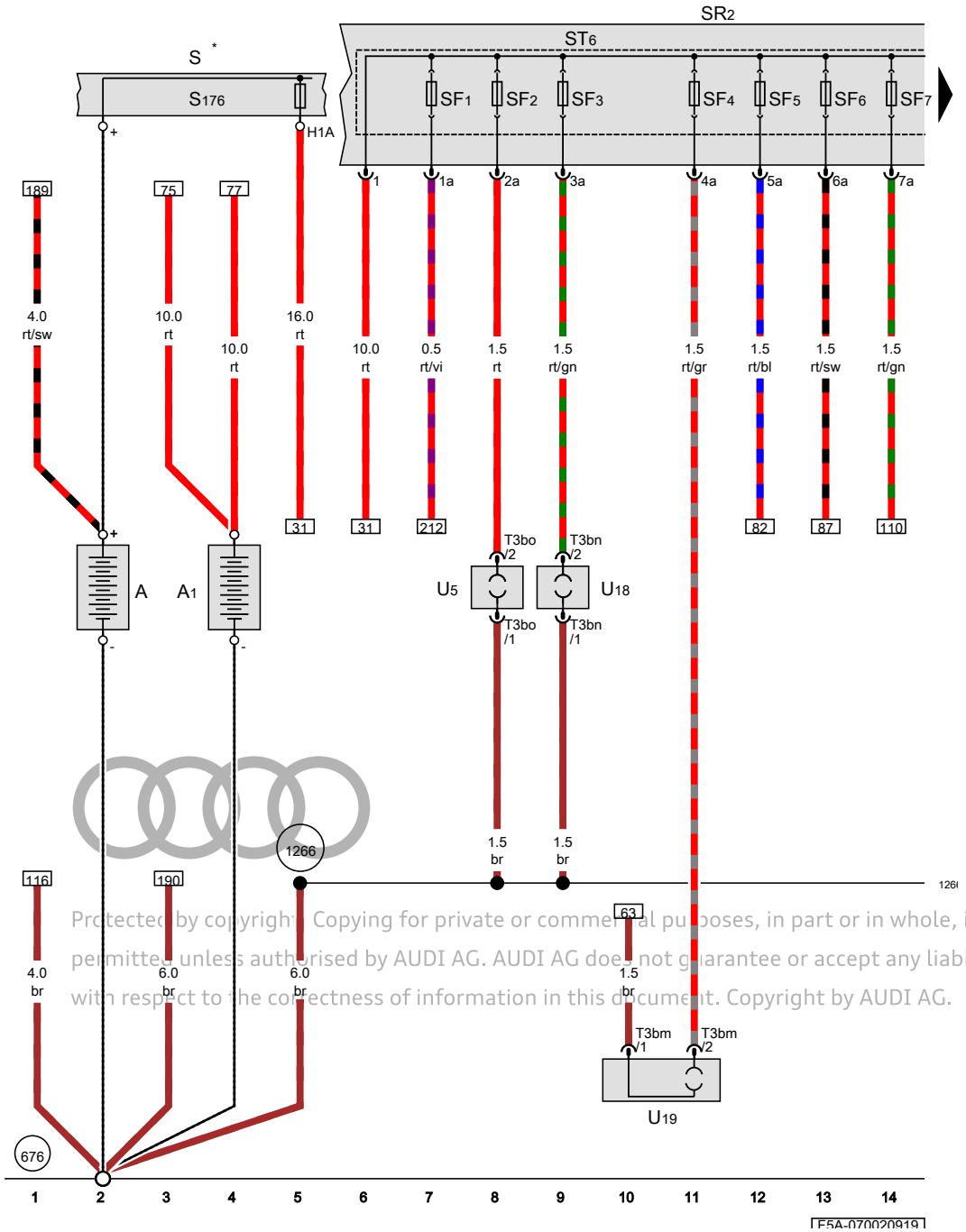

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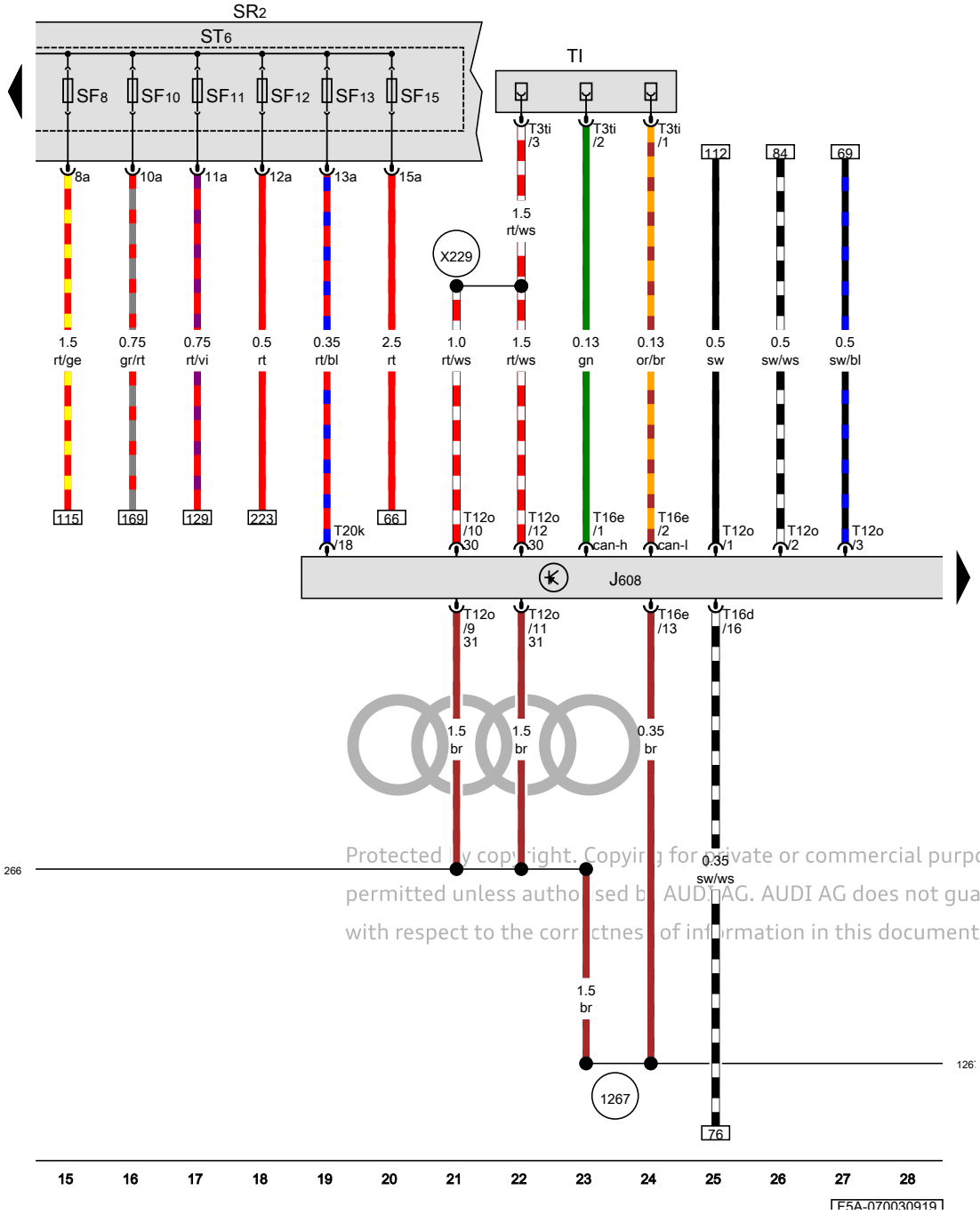
Battery, Second battery, Fuses in fuse holder, Relay and fuse carrier 2, Fuse carrier 6, Fuse 4 (30), in battery fuse holder, 12 V socket, 12 V socket 2, 12 V socket 3

A	Battery
A1	Second battery
S	Fuses in fuse holder
SF1	Fuse 1 in fuse holder F
SR2	Relay and fuse carrier 2
SF2	Fuse 2 in fuse holder F
SF3	Fuse 3 in fuse holder F
SF4	Fuse 4 in fuse holder F
SF5	Fuse 5 in fuse holder F
ST6	Fuse carrier 6
SF6	Fuse 6 in fuse holder F
SF7	Fuse 7 in fuse holder F
S176	Fuse 4 (30), in battery fuse holder
T3bm	3-pin connector, black
T3bn	3-pin connector, black
T3bo	3-pin connector, black
U5	12 V socket
U18	12 V socket 2
U19	12 V socket 3
676	Earth point 2, on left in luggage compartment
1266	Earth connection 3 in special vehicle wiring harness
*	see applicable current flow diagram for fuse assignment



Special vehicle control unit, Relay and fuse carrier 2, Fuse carrier 6

J608	Special vehicle control unit
SR2	Relay and fuse carrier 2
ST6	Fuse carrier 6
SF8	Fuse 8 in fuse holder F
SF10	Fuse 10 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF12	Fuse 12 in fuse holder F
SF13	Fuse 13 in fuse holder F
SF15	Fuse 15 in fuse holder F
T3ti	3-pin connector, black
T12o	12-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T20k	20-pin connector, black
TI	Coupling point in interior
1266	Earth connection 3 in special vehicle wiring harness
1267	Earth connection 4 in special vehicle wiring harness
X229	Positive connection 10 (30a) in special vehicle wiring harness

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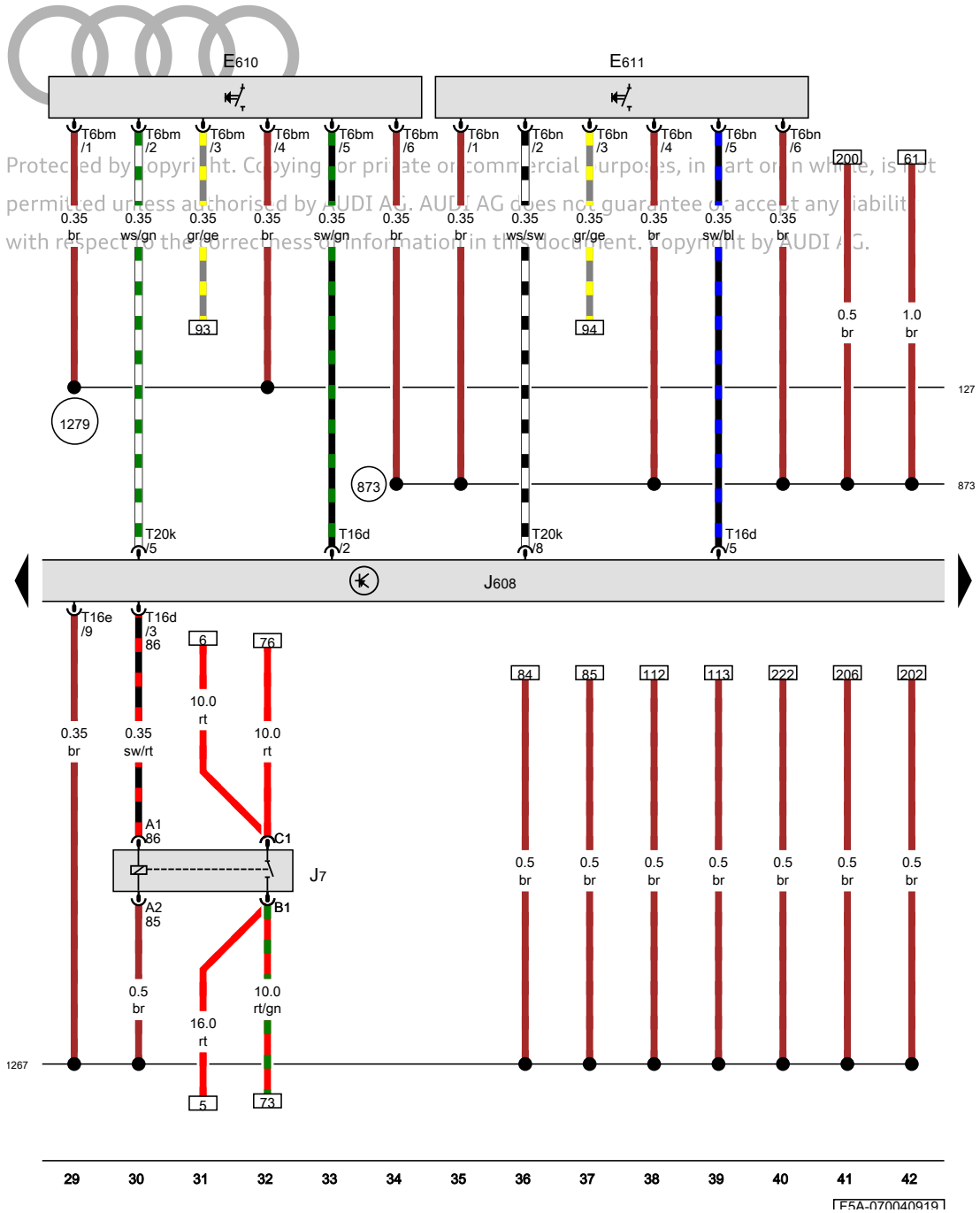

Button 1 for in-car video surveillance, Button 2 for in-car video surveillance, Battery isolation relay, Special vehicle control unit

E610	Button 1 for in-car video surveillance
E611	Button 2 for in-car video surveillance
J7	Battery isolation relay
J608	Special vehicle control unit
T6bm	6-pin connector, black
T6bn	6-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T20k	20-pin connector, black
873	Earth connection 10 in special vehicle wiring harness
1267	Earth connection 4 in special vehicle wiring harness
1279	Earth connection 16 in special vehicle wiring harness

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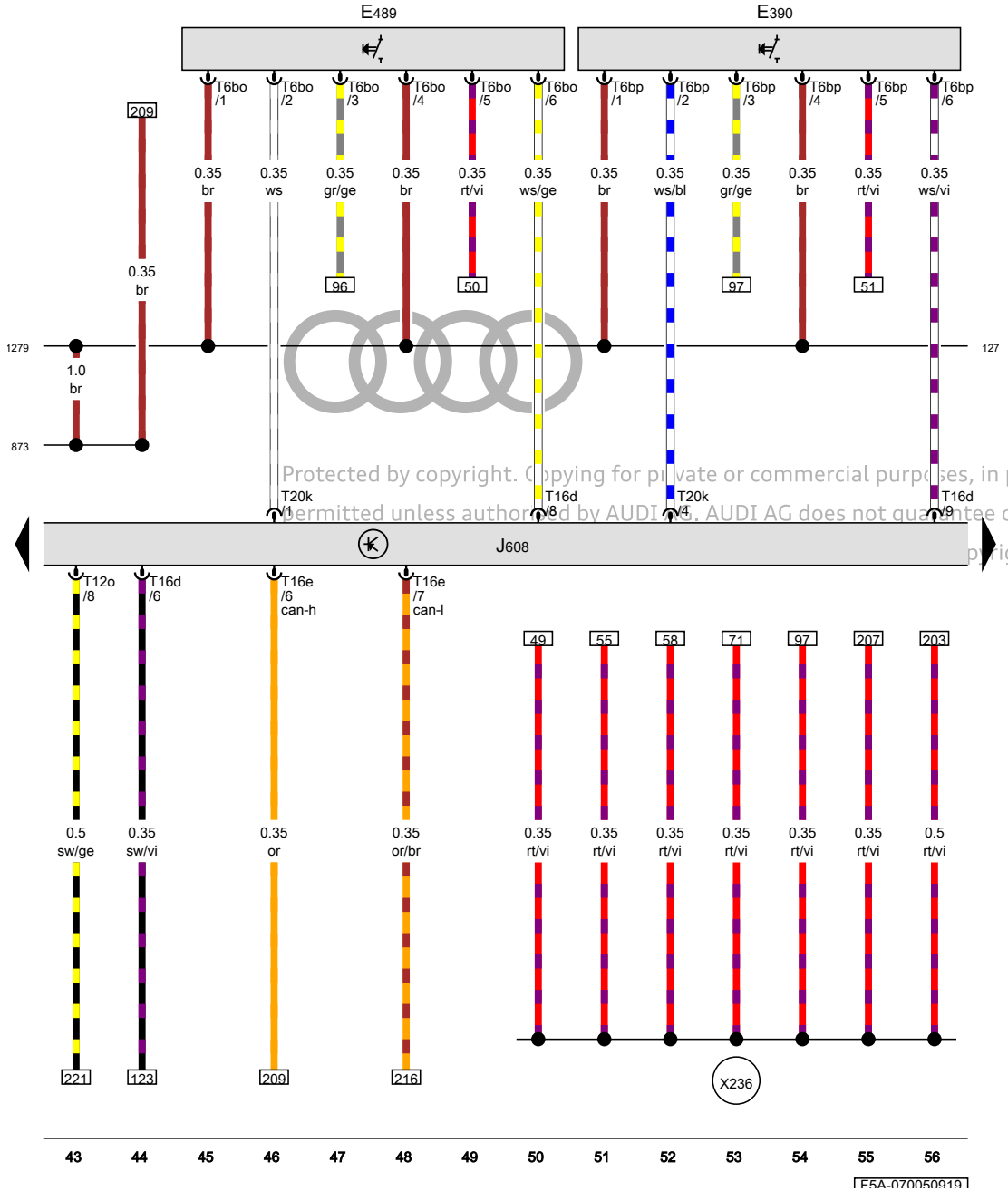

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Interior lighting central switch button, Ignition bypass button, Special vehicle control unit

E390	Interior lighting central switch button
E489	Ignition bypass button
J608	Special vehicle control unit
T6bo	6-pin connector, black
T6bp	6-pin connector, black
T12o	12-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T20k	20-pin connector, black
873	Earth connection 10 in special vehicle wiring harness
1279	Earth connection 16 in special vehicle wiring harness
X236	Positive connection 17 (30a) in special vehicle wiring harness

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sw	=	black
ro	=	red
rt	=	red
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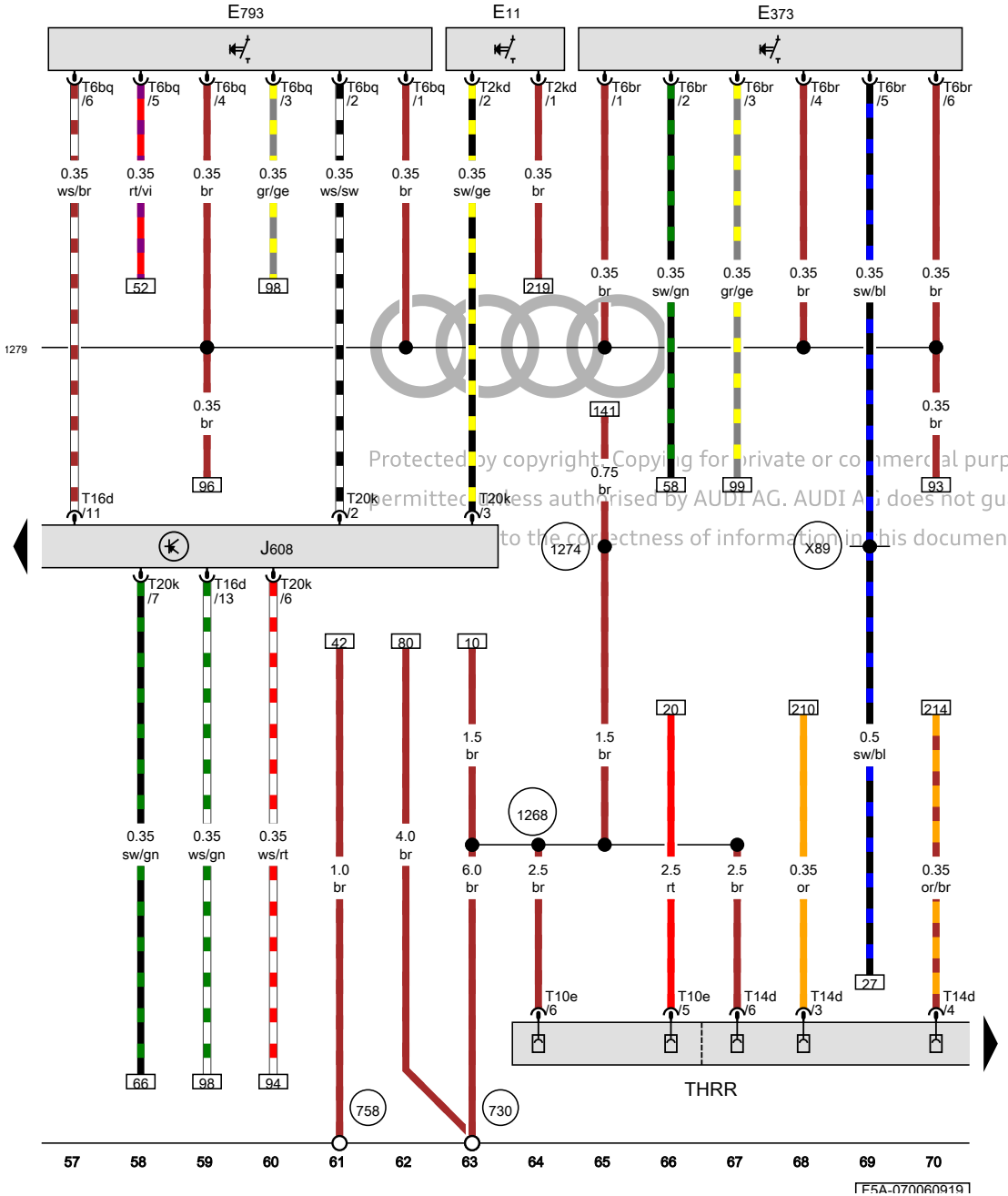
Rotating light and siren system switch, Flashing light switch, Main switch for 2-way radio, Special vehicle control unit



E11	Rotating light and siren system switch
E373	Flashing light switch
E793	Main switch for 2-way radio
J608	Special vehicle control unit
T2kd	2-pin connector, green
T6bq	6-pin connector, black
T6br	6-pin connector, black
T10e	10-pin connector, black
T14d	14-pin connector, black
T16d	16-pin connector, black
T20k	20-pin connector, black
THRR	Coupling point in luggage compartment, right
730	Earth point 1, on right rear wheel housing
758	Earth point 3, on centre tunnel
1268	Earth connection 5 in special vehicle wiring harness
1274	Earth connection 11 in special vehicle wiring harness
1279	Earth connection 16 in special vehicle wiring harness
X89	Connection 1 (blue flashing/rotating light), in optional equipment wiring harness

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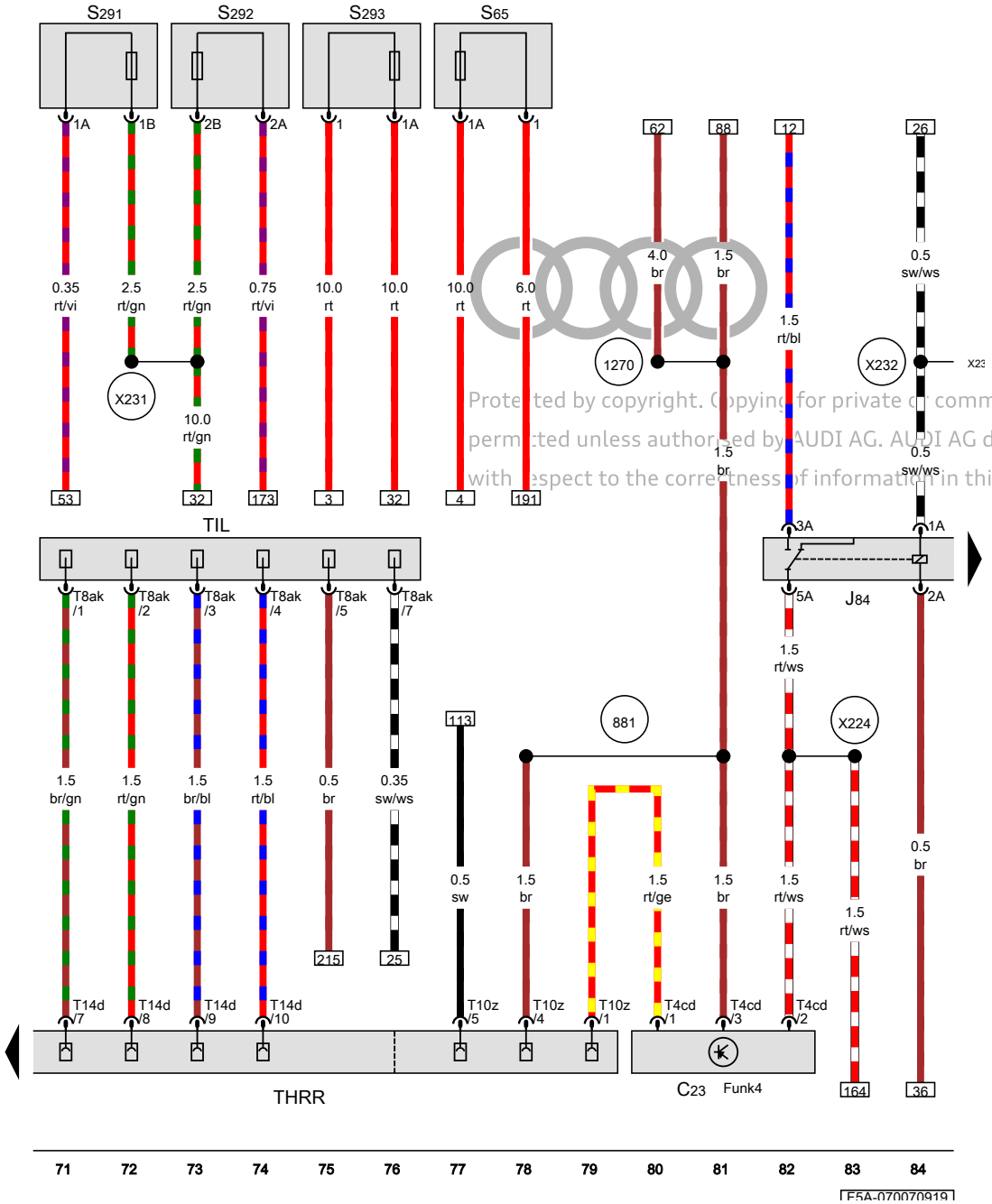
Two-way radio voltage relay, Special vehicle fuse 1, Special vehicle fuse 2

C23	Signal system/2-way radio interference suppressor
J84	Two-way radio voltage relay
S65	2nd battery fuse
S291	Special vehicle fuse 1, on relay and fuse carrier, on left in luggage compartment
S292	Special vehicle fuse 2, on relay and fuse carrier, on left in luggage compartment
S293	Special vehicle fuse 3
T4cd	4-pin connector, black
T8ak	8-pin connector, black
T10z	10-pin connector, black
T14d	14-pin connector, black
THRR	Coupling point in luggage compartment, right
TIL	Coupling point in interior, left
881	Earth connection 18 in special vehicle wiring harness
1270	Earth connection 7 in special vehicle wiring harness
X224	Positive connection 5 (30a) in special vehicle wiring harness
X231	Positive connection 12 (30a) in special vehicle wiring harness
X232	Positive connection 13 (30a) in special vehicle wiring harness



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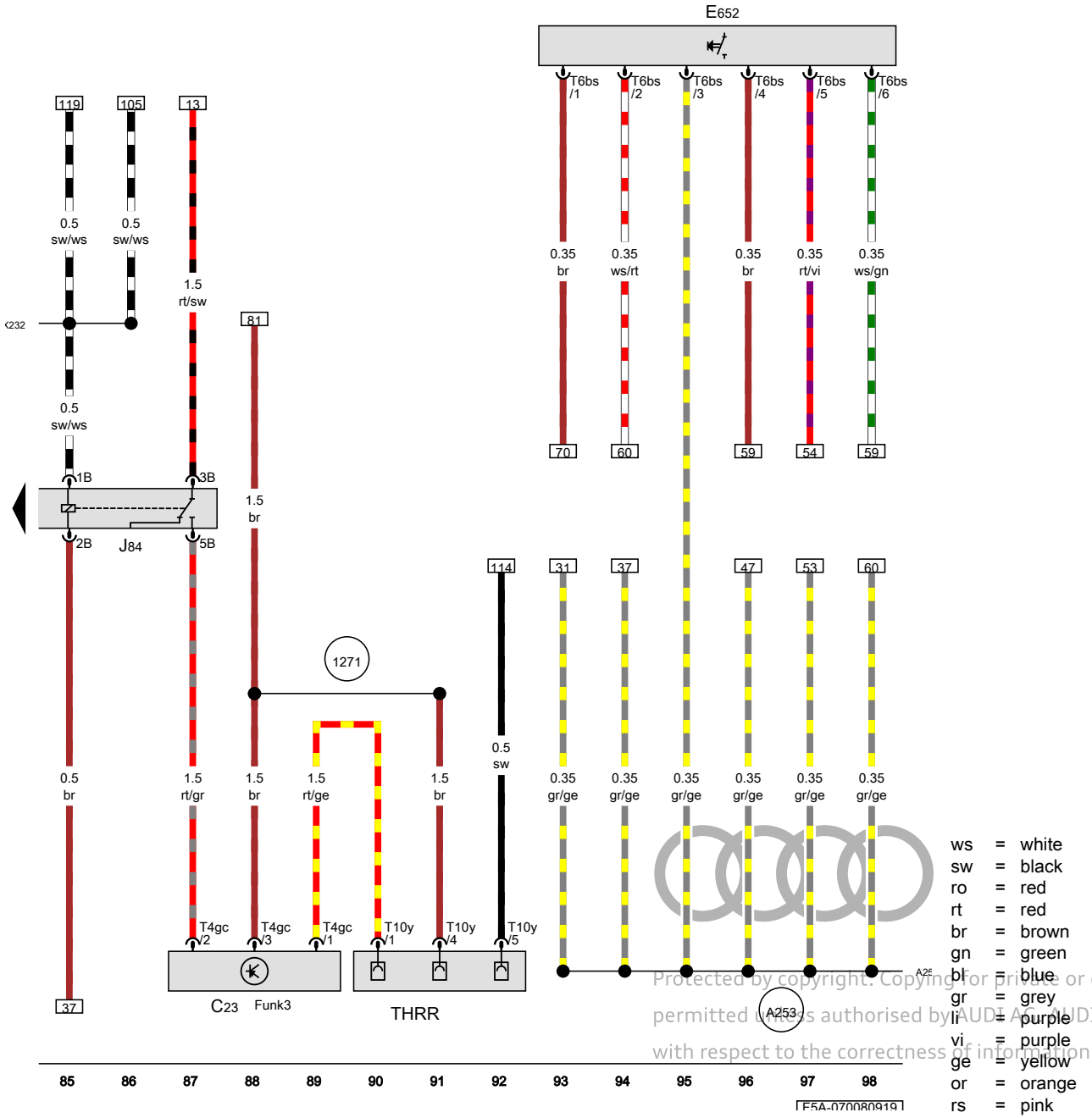
Button for daytime running light switch-off, Two-way radio voltage relay

C23	Signal system/2-way radio interference suppressor
E652	Button for daytime running light switch-off
J84	Two-way radio voltage relay
T4gc	4-pin connector, black
T6bs	6-pin connector, black
T10y	10-pin connector, black
THRR	Coupling point in luggage compartment, right
1271	Earth connection 8 in special vehicle wiring harness
A253	Positive connection 4 (58), in special vehicle wiring harness
X232	Positive connection 13 (30a) in special vehicle wiring harness



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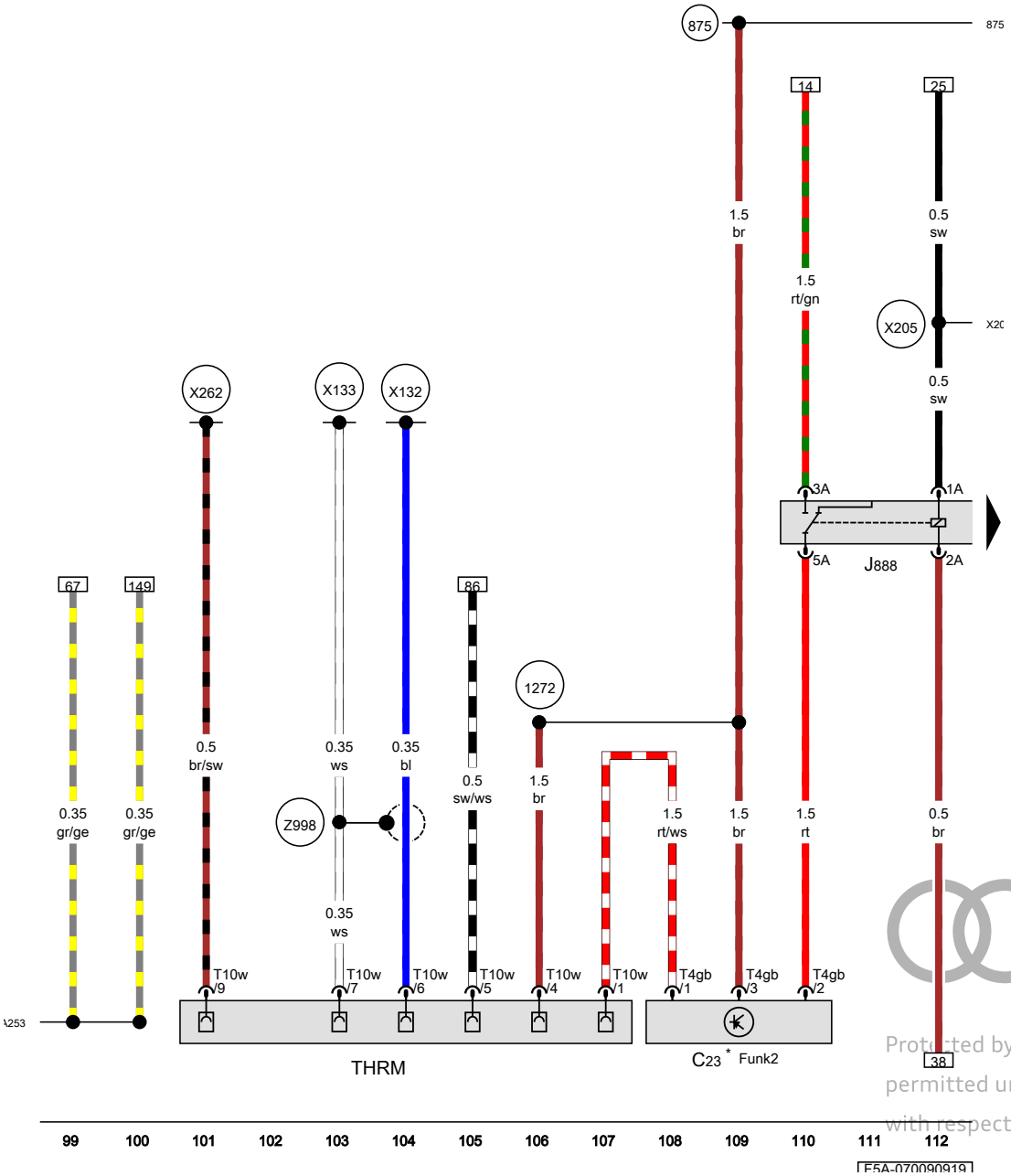
Two-way radio voltage relay 2

C23	Signal system/2-way radio interference suppressor
J888	Two-way radio voltage relay 2
T4gb	4-pin connector, black
T10w	10-pin connector, black
THRM	Coupling point in luggage compartment, centre
875	Earth connection 12 in special vehicle wiring harness
1272	Earth connection 9 in special vehicle wiring harness
A253	Positive connection 4 (58), in special vehicle wiring harness
X132	Connection 5, in optional equipment wiring harness
X133	Connection 6, in optional equipment wiring harness
X205	Connection 1 (15a), in special vehicle wiring harness
X262	Connection 18 in special vehicle wiring harness
Z998	Wiring screen
*	Two-way radio 2



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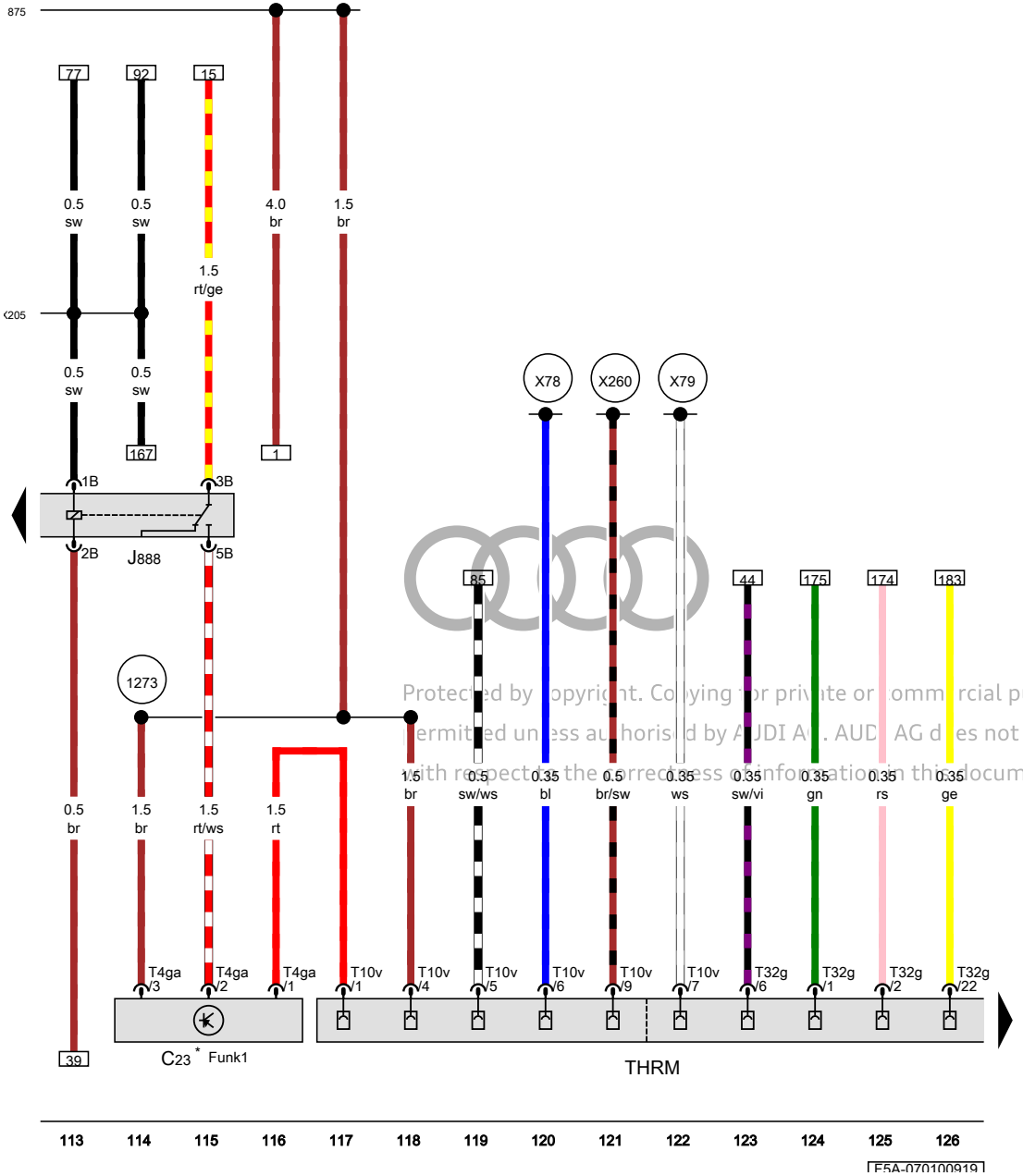
Two-way radio voltage relay 2

C23	Signal system/2-way radio interference suppressor
J888	Two-way radio voltage relay 2
T4ga	4-pin connector, black
T10v	10-pin connector, black
T32g	32-pin connector, black
THRM	Coupling point in luggage compartment, centre
875	Earth connection 12 in special vehicle wiring harness
1273	Earth connection 10 in special vehicle wiring harness
X78	Connection 1, in optional equipment wiring harness
X79	Connection 2, in optional equipment wiring harness
X205	Connection 1 (15a), in special vehicle wiring harness
X260	Connection 16 in special vehicle wiring harness
*	Two-way radio 1



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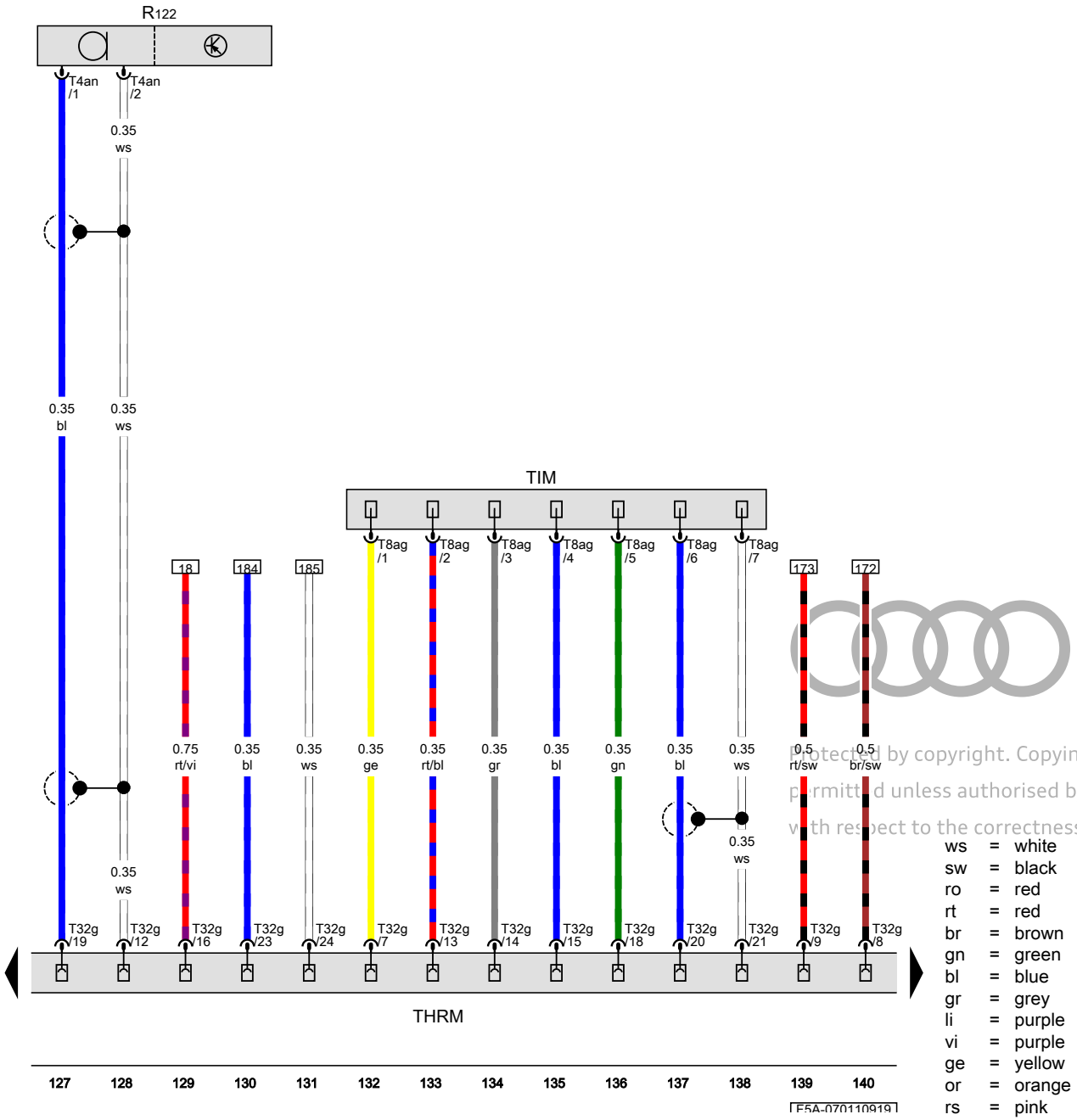
rs	=	pink

2-way radio unit microphone

R122	2-way radio unit microphone
T4an	4-pin connector, black
T8ag	8-pin connector, black
T32g	32-pin connector, black
THRM	Coupling point in luggage compartment, centre
TIM	Coupling point in interior, centre



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

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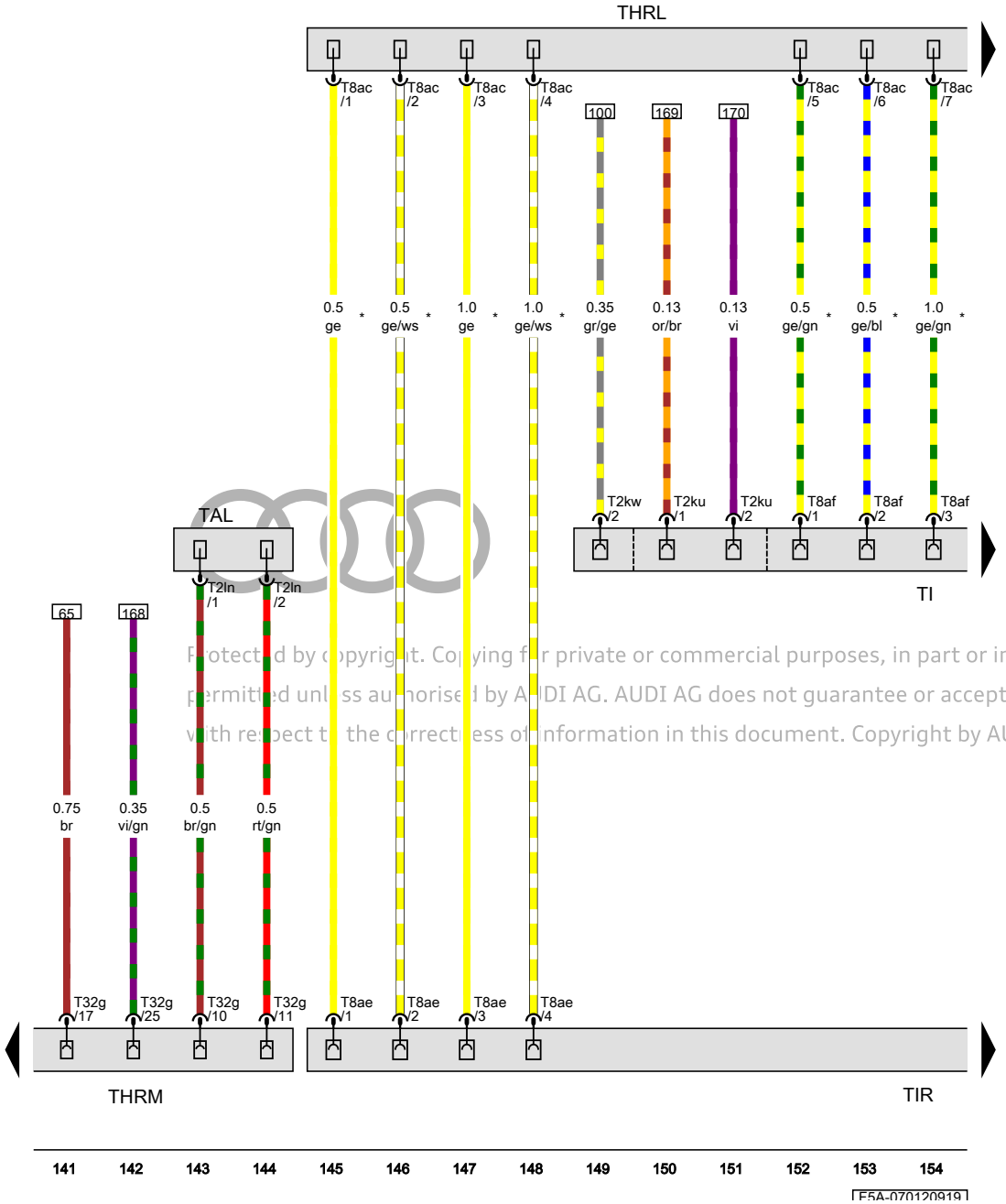

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Coupling point in interior, Coupling point in interior, right

T2ku	2-pin connector, brown
T2kw	2-pin connector, black
T2ln	2-pin connector, brown
T8ac	8-pin connector, black
T8ae	8-pin connector, black
T8af	8-pin connector, black
T32g	32-pin connector, black
TAL	Coupling point on left A-pillar
THRL	Coupling point in luggage compartment, left
THRM	Coupling point in luggage compartment, centre
TI	Coupling point in interior
TIR	Coupling point in interior, right
*	Spare wiring, rear

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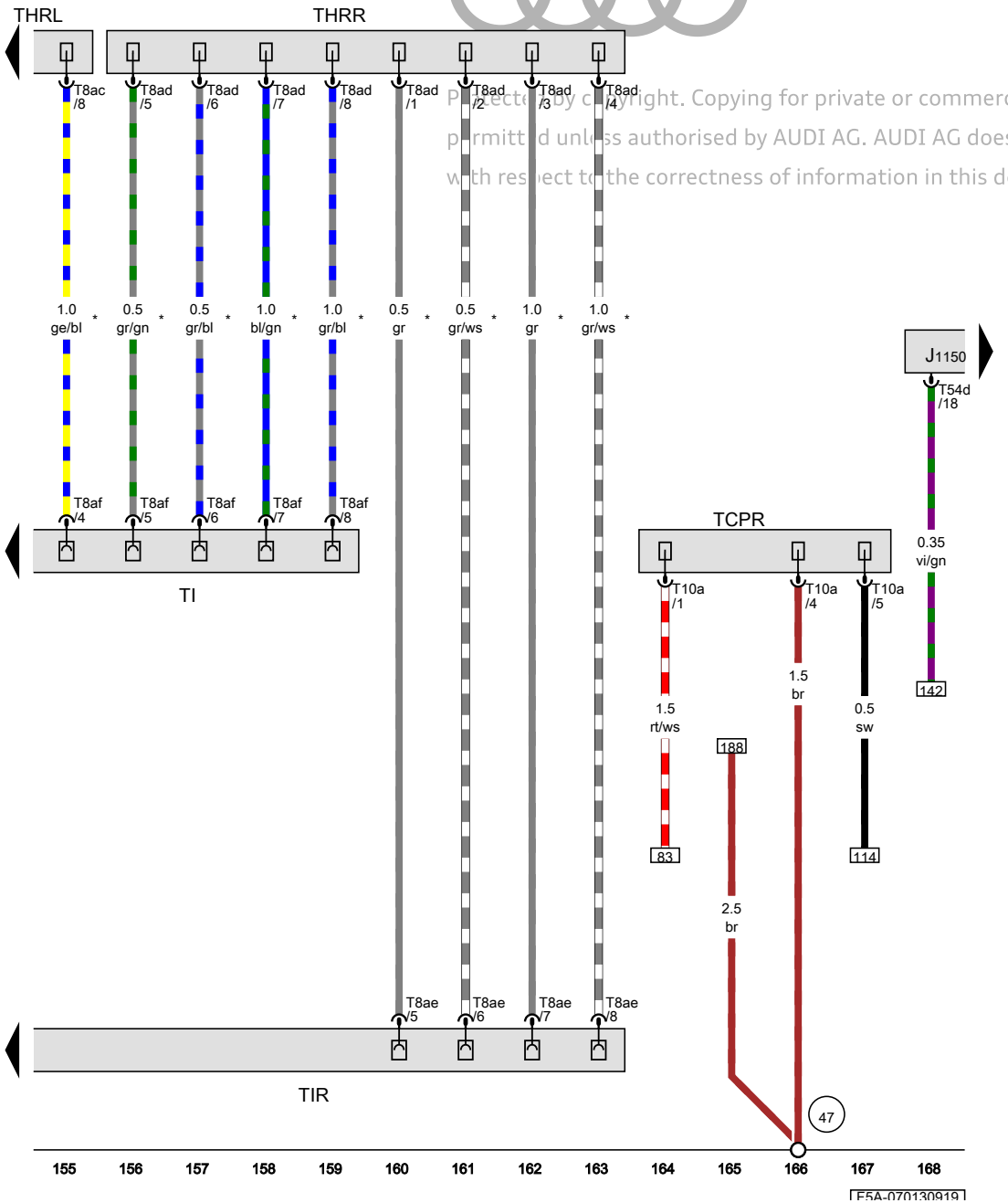

Special vehicle resource assist, Coupling point in interior, Coupling point in interior, right

J1150	Special vehicle resource assist
T8ac	8-pin connector, black
T8ad	8-pin connector, black
T8ae	8-pin connector, black
T8af	8-pin connector, black
T10a	10-pin connector, black
T54d	54-pin connector, black
TCPR	Coupling point on dash panel, right
THRL	Coupling point in luggage compartment, left
THRR	Coupling point in luggage compartment, right
TI	Coupling point in interior
TIR	Coupling point in interior, right
47	Earth point, in front right footwell
*	Spare wiring, rear

ws	=	white
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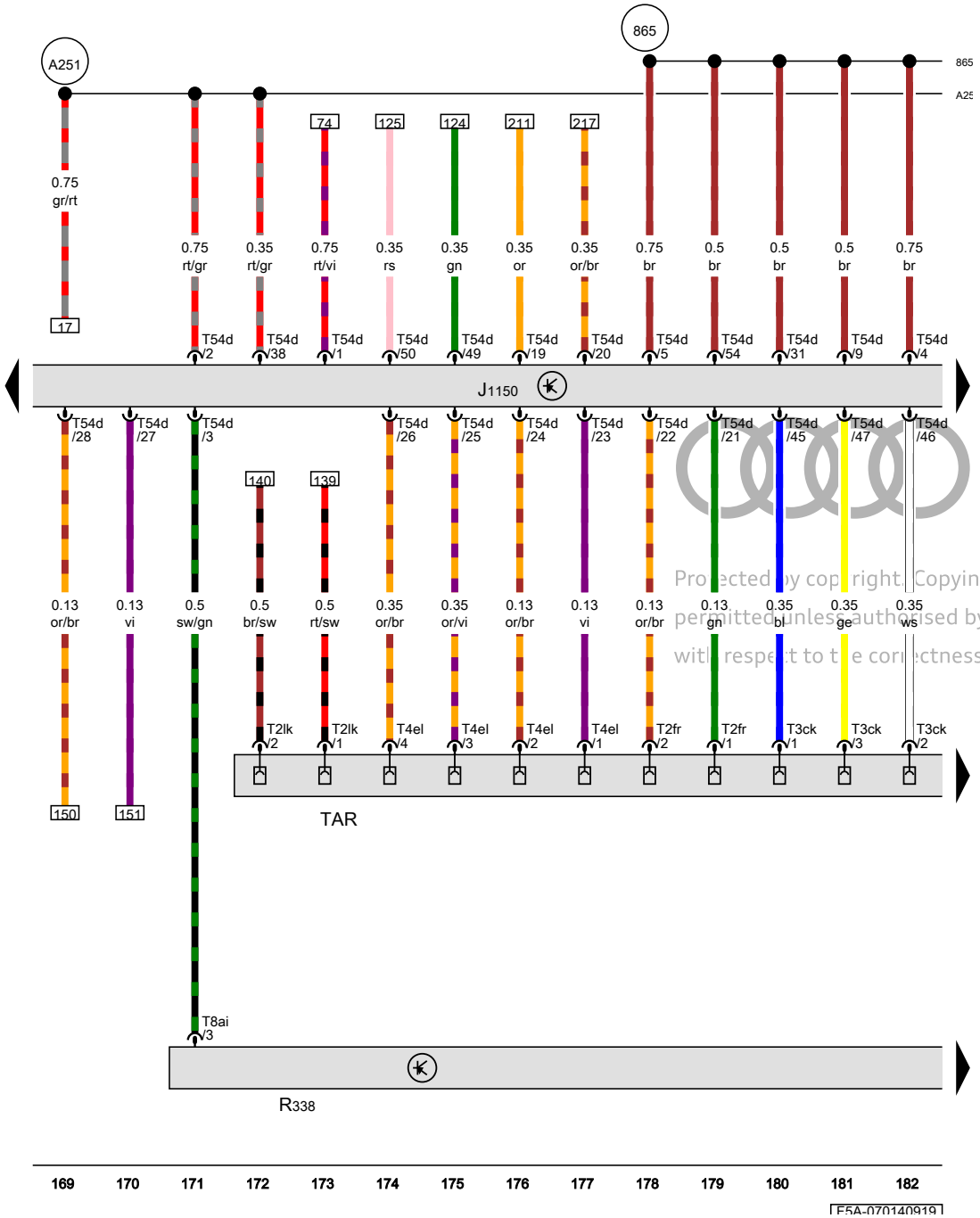

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Special vehicle resource assist, Connection for special vehicle resource assist

J1150	Special vehicle resource assist
R338	Connection for special vehicle resource assist
T2fr	2-pin connector, brown
T2lk	2-pin connector, brown
T3ck	3-pin connector, black
T4el	4-pin connector, black
T8ai	8-pin connector, black
T54d	54-pin connector, black
TAR	Coupling point on right A-pillar
865	Earth connection 2 in special vehicle wiring harness
A251	Positive connection 2 (58), in special vehicle wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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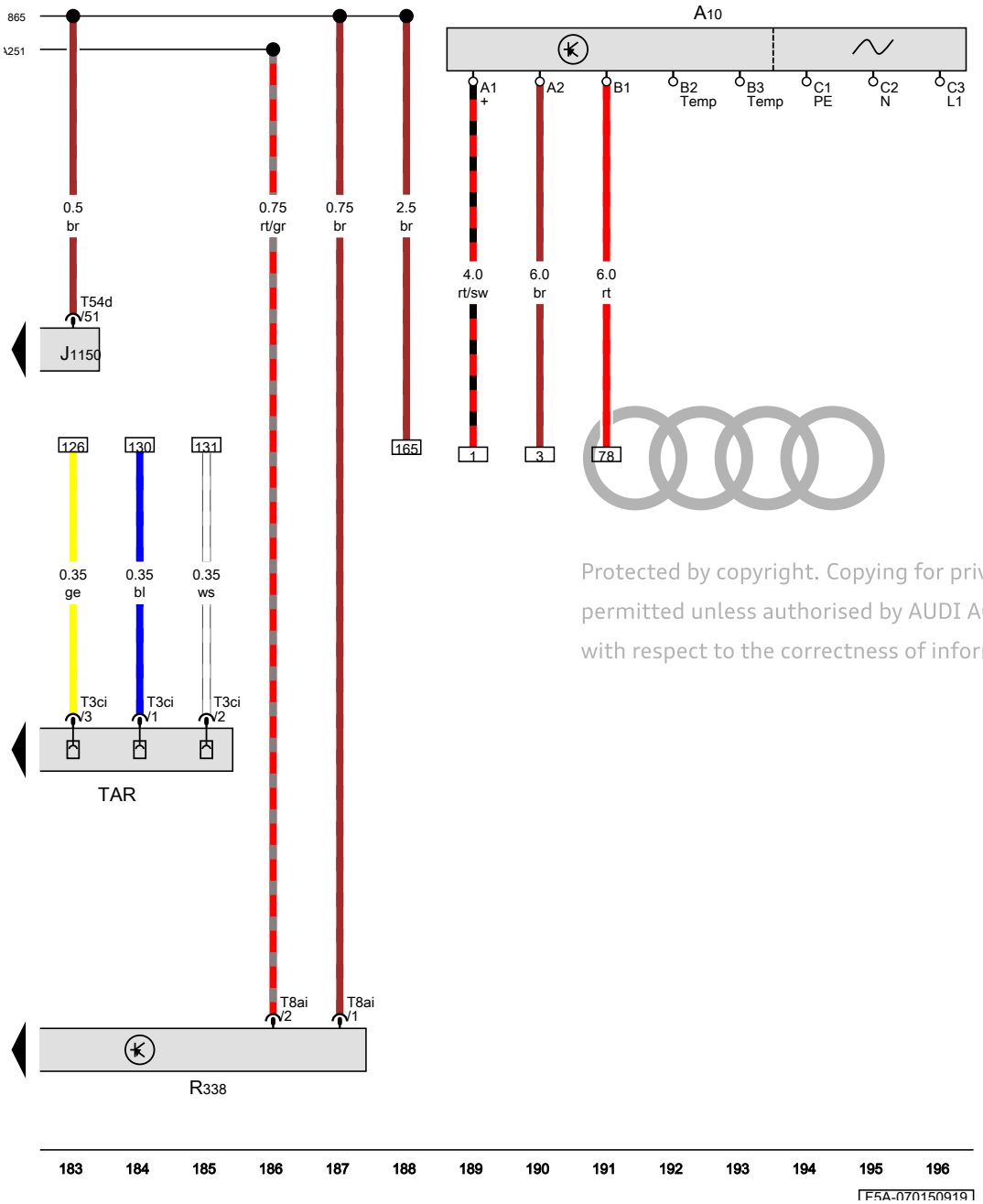
or	=	orange
rs	=	pink



Battery charger, 230 or 110 Volt/12 Volt, Special vehicle resource assist, Connection for special vehicle resource assist

A10	Battery charger, 230 or 110 Volt/12 Volt
J1150	Special vehicle resource assist
R338	Connection for special vehicle resource assist
T3ci	3-pin connector, black
T8ai	8-pin connector, black
T54d	54-pin connector, black
TAR	Coupling point on right A-pillar
865	Earth connection 2 in special vehicle wiring harness
A251	Positive connection 2 (58), in special vehicle wiring harness

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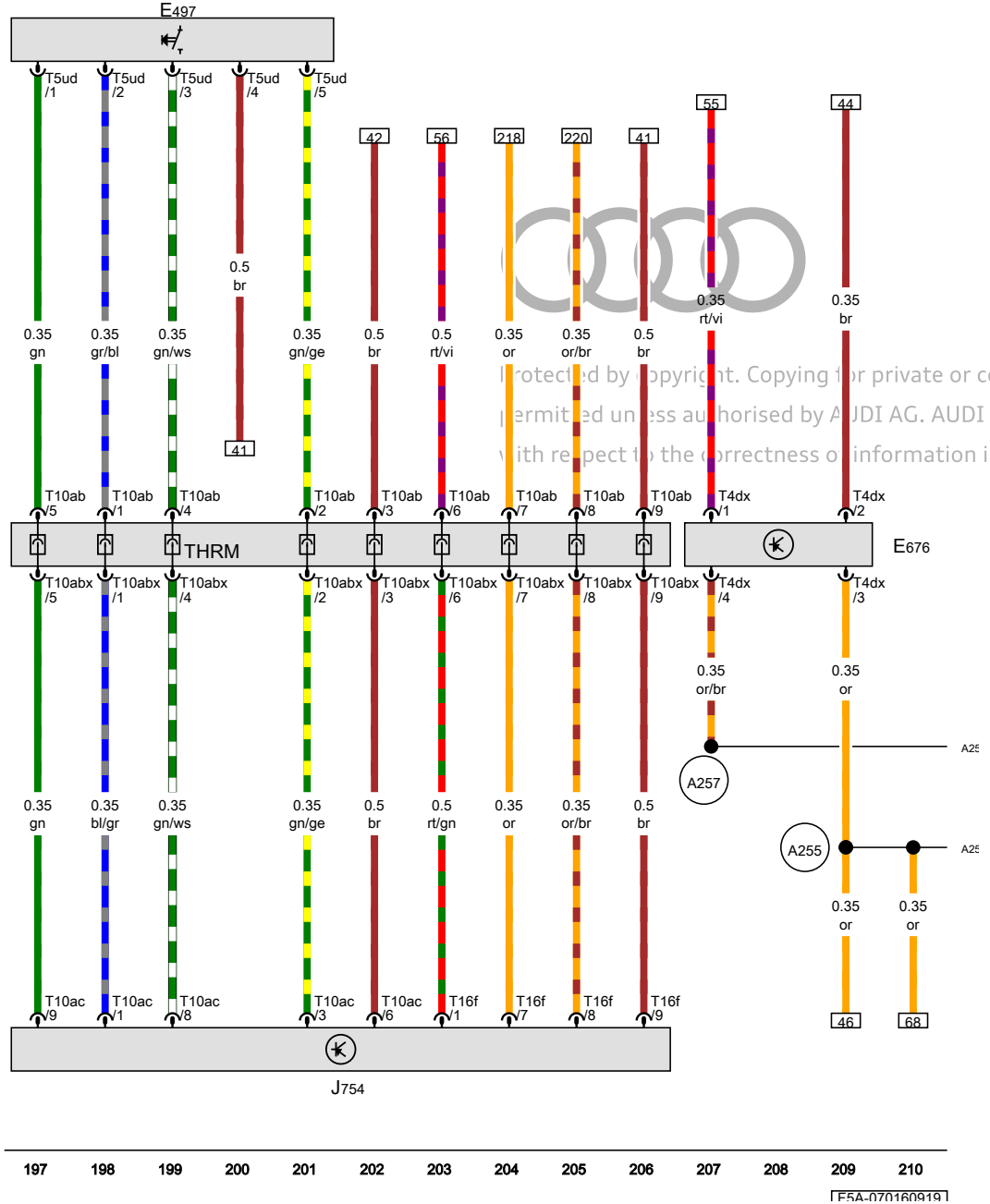
Accident data recorder button, Operating unit for special signal system, Accident data memory

E497	Accident data recorder button
E676	Operating unit for special signal system
J754	Accident data memory
T4dx	4-pin connector, black
T5ud	5-pin connector, black
T10ab	10-pin connector, black
T10abx	10-pin connector, black
T10ac	10-pin connector, black
T16f	16-pin connector, black
THRM	Coupling point in luggage compartment, centre
A255	Connection 1 (CAN bus high), in special vehicle wiring harness
A257	Connection 1 (CAN bus low), in special vehicle wiring harness



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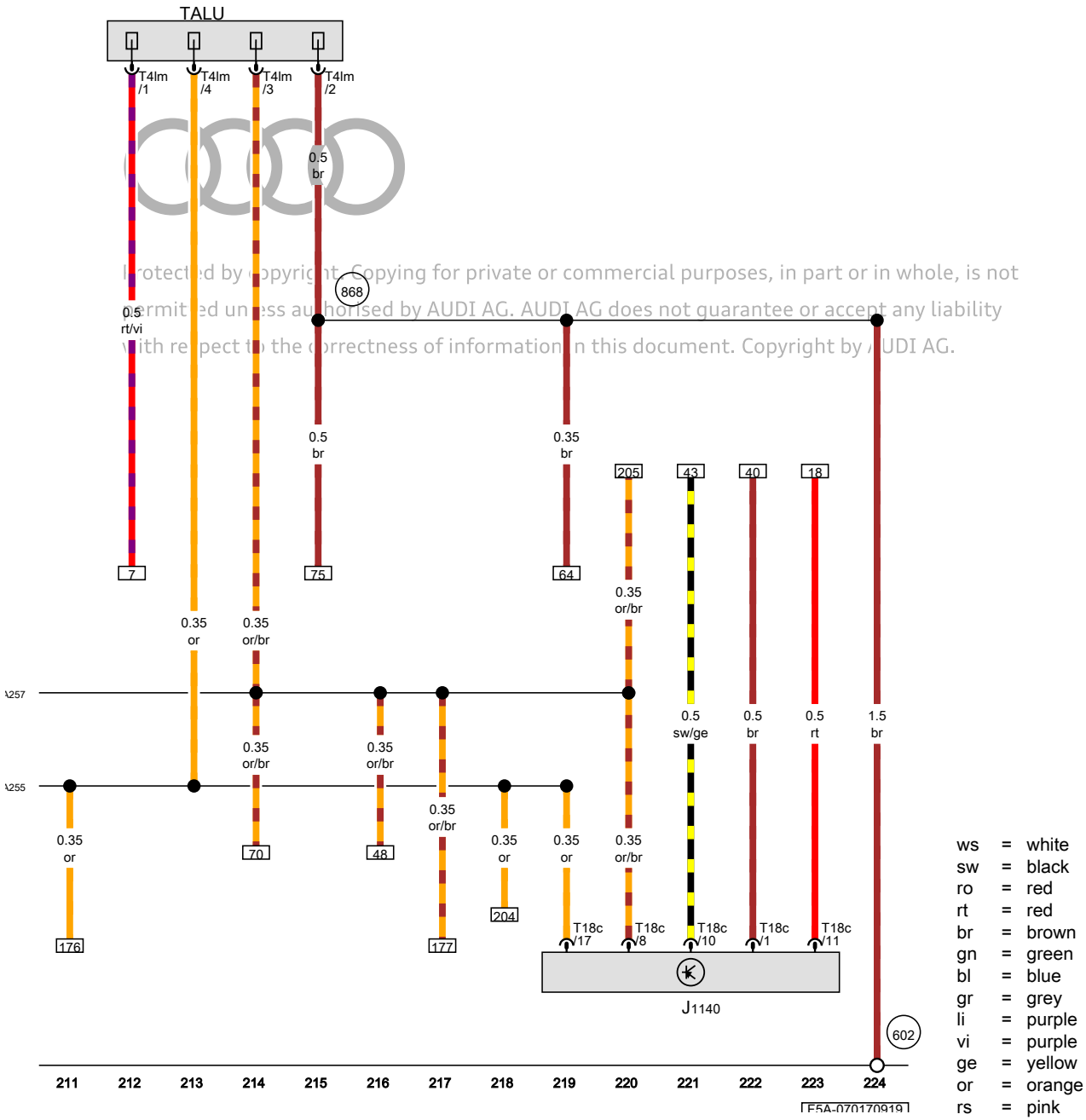
Interface for CiA MIB CAN bus, special vehicle interface

J1140	Interface for CiA MIB CAN bus, special vehicle interface
T4lm	4-pin connector, black
T18c	18-pin connector, black
TALU	Coupling point on left A-pillar, bottom
602	Earth point, in front left footwell
868	Earth connection 5 in special vehicle wiring harness
A255	Connection 1 (CAN bus high), in special vehicle wiring harness
A257	Connection 1 (CAN bus low), in special vehicle wiring harness



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Special equipment, public authority vehicle , (F4Z)

From November 2016

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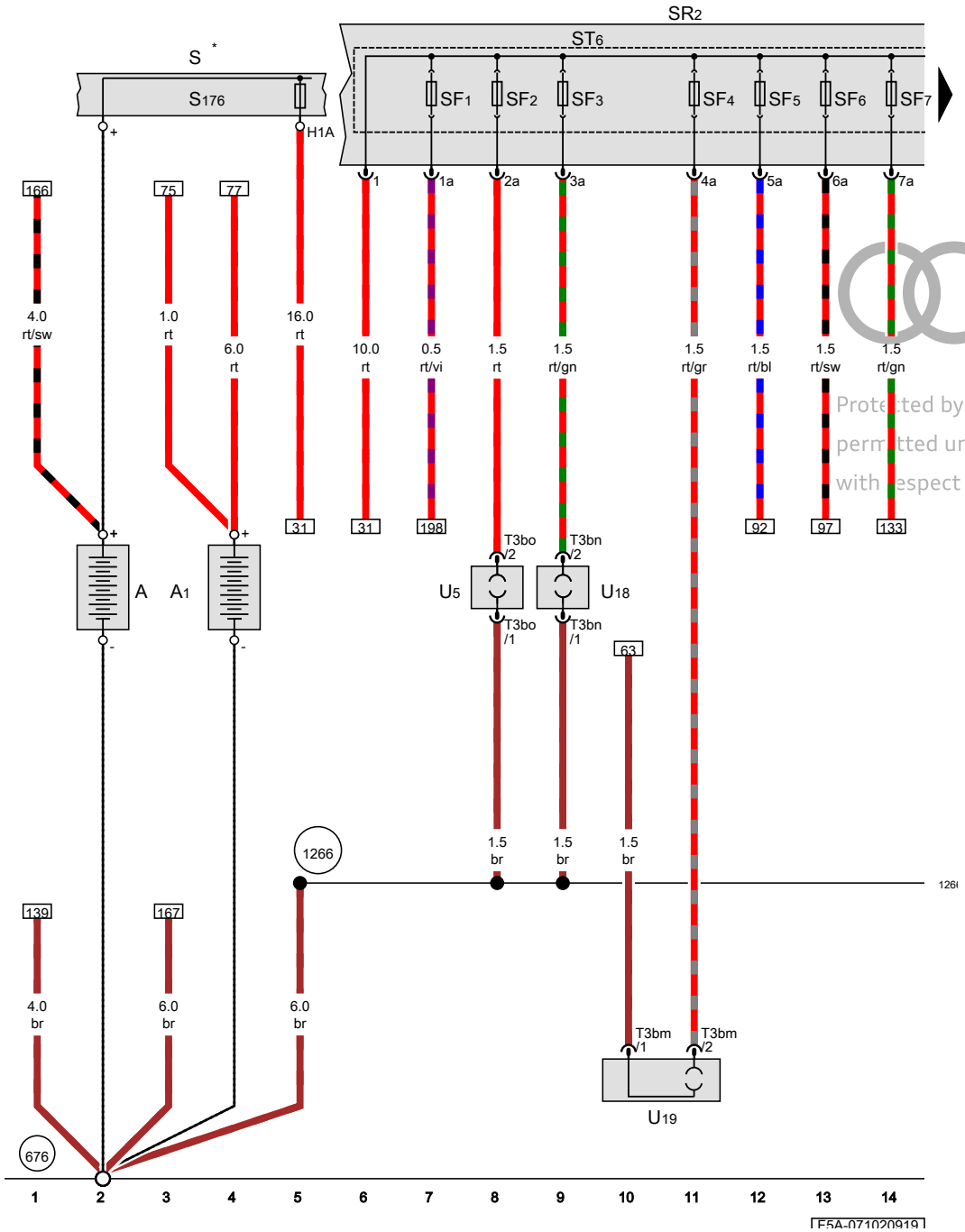

Fuses in fuse holder, Relay and fuse carrier 2, Fuse carrier 6, Fuse 4 (30), in battery fuse holder, 12 V socket, 12 V socket 2, 12 V socket 3

A	Battery
A1	Second battery
S	Fuses in fuse holder
SF1	Fuse 1 in fuse holder F
SR2	Relay and fuse carrier 2
SF2	Fuse 2 in fuse holder F
SF3	Fuse 3 in fuse holder F
SF4	Fuse 4 in fuse holder F
SF5	Fuse 5 in fuse holder F
ST6	Fuse carrier 6
SF6	Fuse 6 in fuse holder F
SF7	Fuse 7 in fuse holder F
S176	Fuse 4 (30), in battery fuse holder
T3bm	3-pin connector, black
T3bn	3-pin connector, black
T3bo	3-pin connector, black
U5	12 V socket
U18	12 V socket 2
U19	12 V socket 3
676	Earth point 2, on left in luggage compartment
1266	Earth connection 3 in special vehicle wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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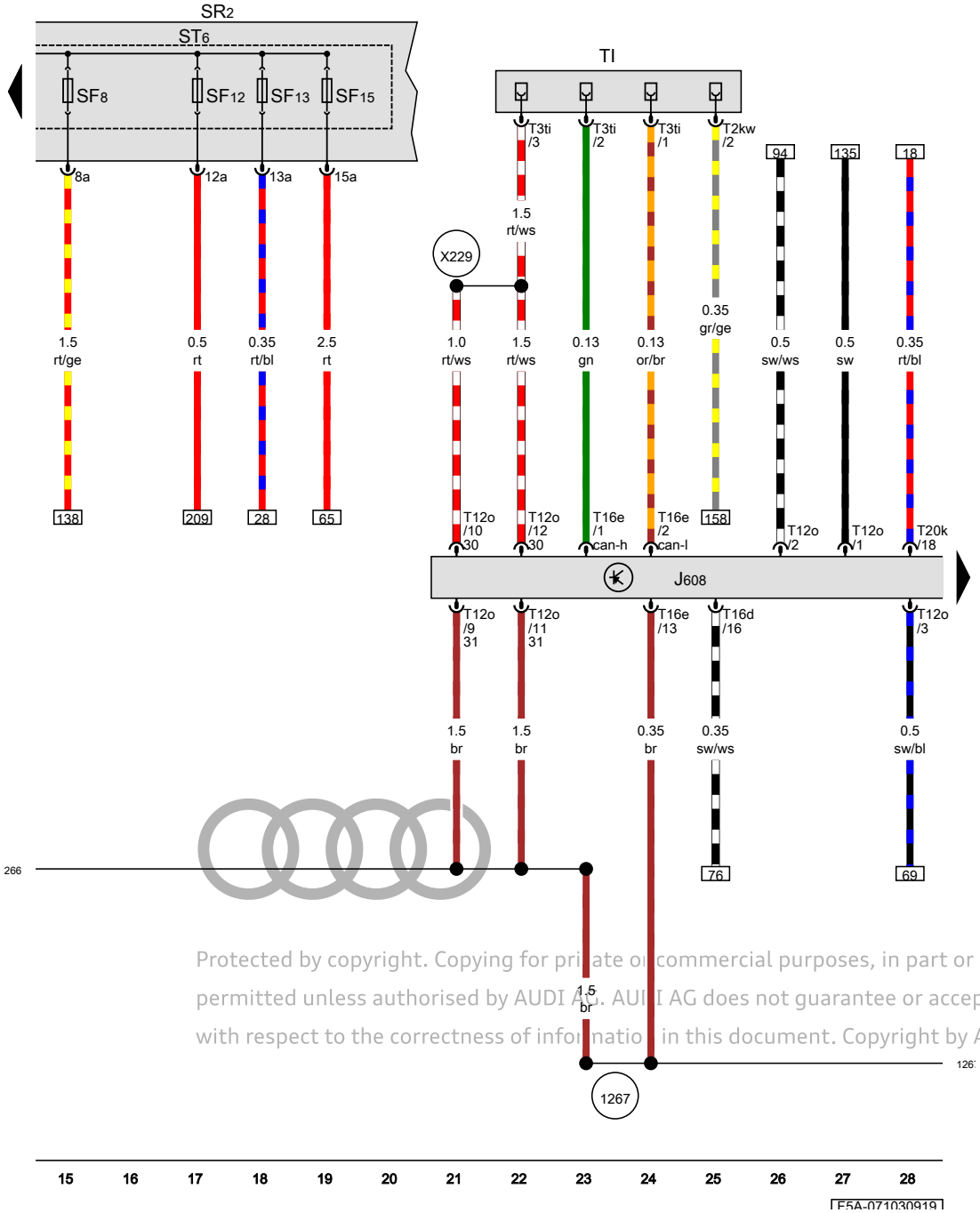

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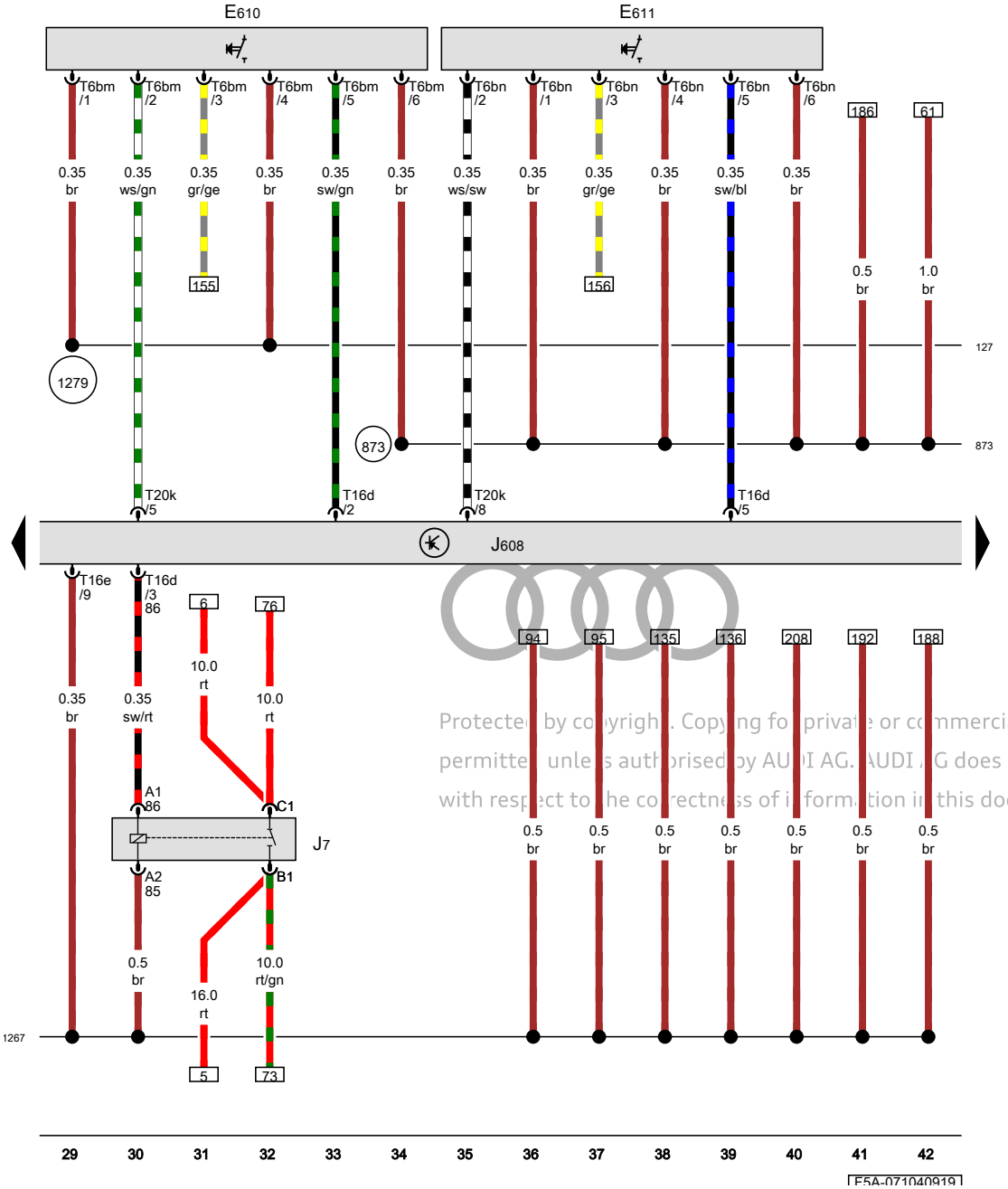
Special vehicle control unit, Relay and fuse carrier 2, Fuse carrier 6

J608	Special vehicle control unit
SR2	Relay and fuse carrier 2
ST6	Fuse carrier 6
SF8	Fuse 8 in fuse holder F
SF12	Fuse 12 in fuse holder F
SF13	Fuse 13 in fuse holder F
SF15	Fuse 15 in fuse holder F
T2kw	2-pin connector, black
T3ti	3-pin connector, black
T12o	12-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T20k	20-pin connector, black
TI	Coupling point in interior
1266	Earth connection 3 in special vehicle wiring harness
1267	Earth connection 4 in special vehicle wiring harness
X229	Positive connection 10 (30a) in special vehicle wiring harness

Button 1 for in-car video surveillance, Button 2 for in-car video surveillance, Battery isolation relay, Special vehicle control unit



E610	Button 1 for in-car video surveillance
E611	Button 2 for in-car video surveillance
J7	Battery isolation relay
J608	Special vehicle control unit
T6bm	6-pin connector, black
T6bn	6-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T20k	20-pin connector, black
873	Earth connection 10 in special vehicle wiring harness
1267	Earth connection 4 in special vehicle wiring harness
1279	Earth connection 16 in special vehicle wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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li	=	purple
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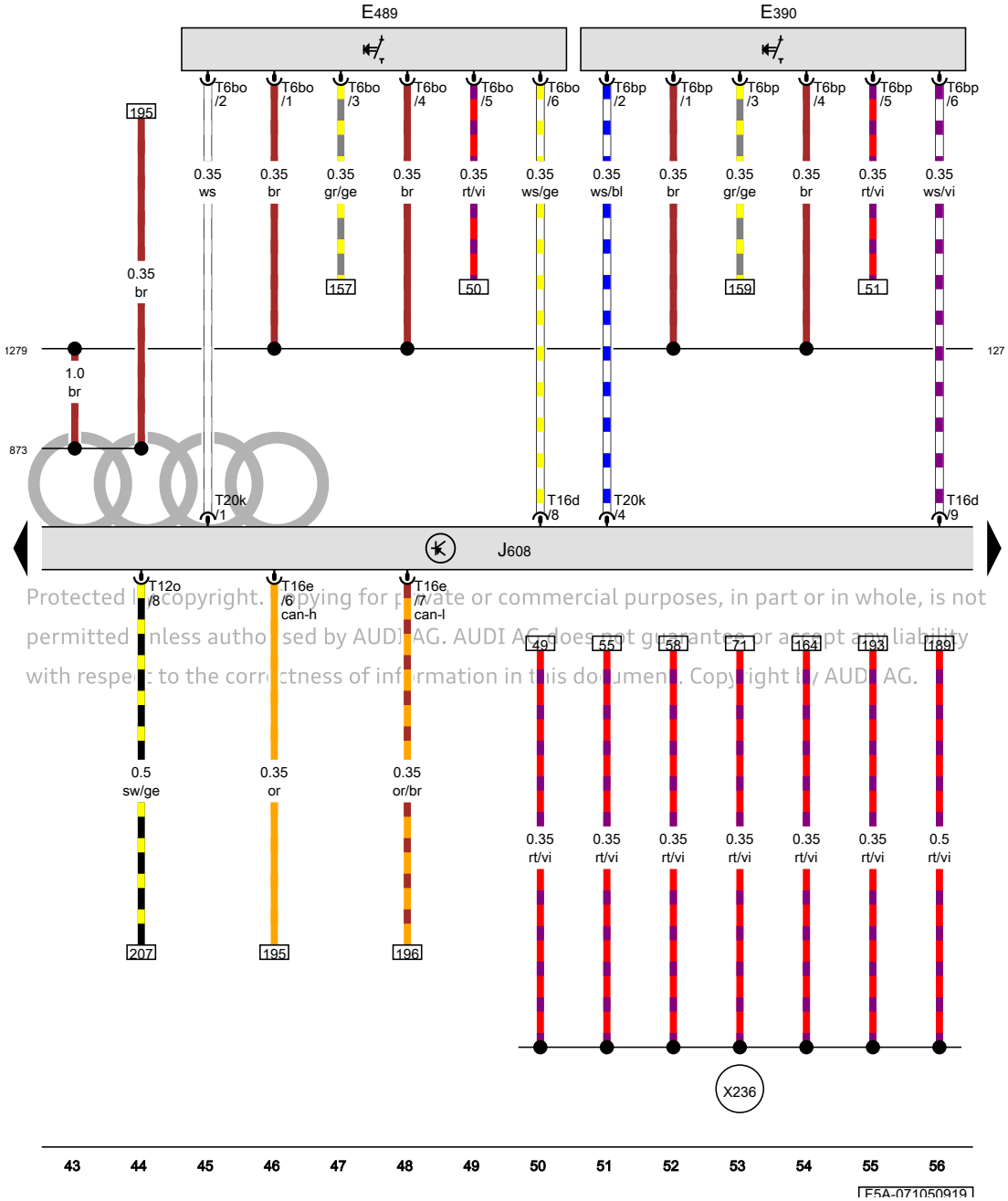

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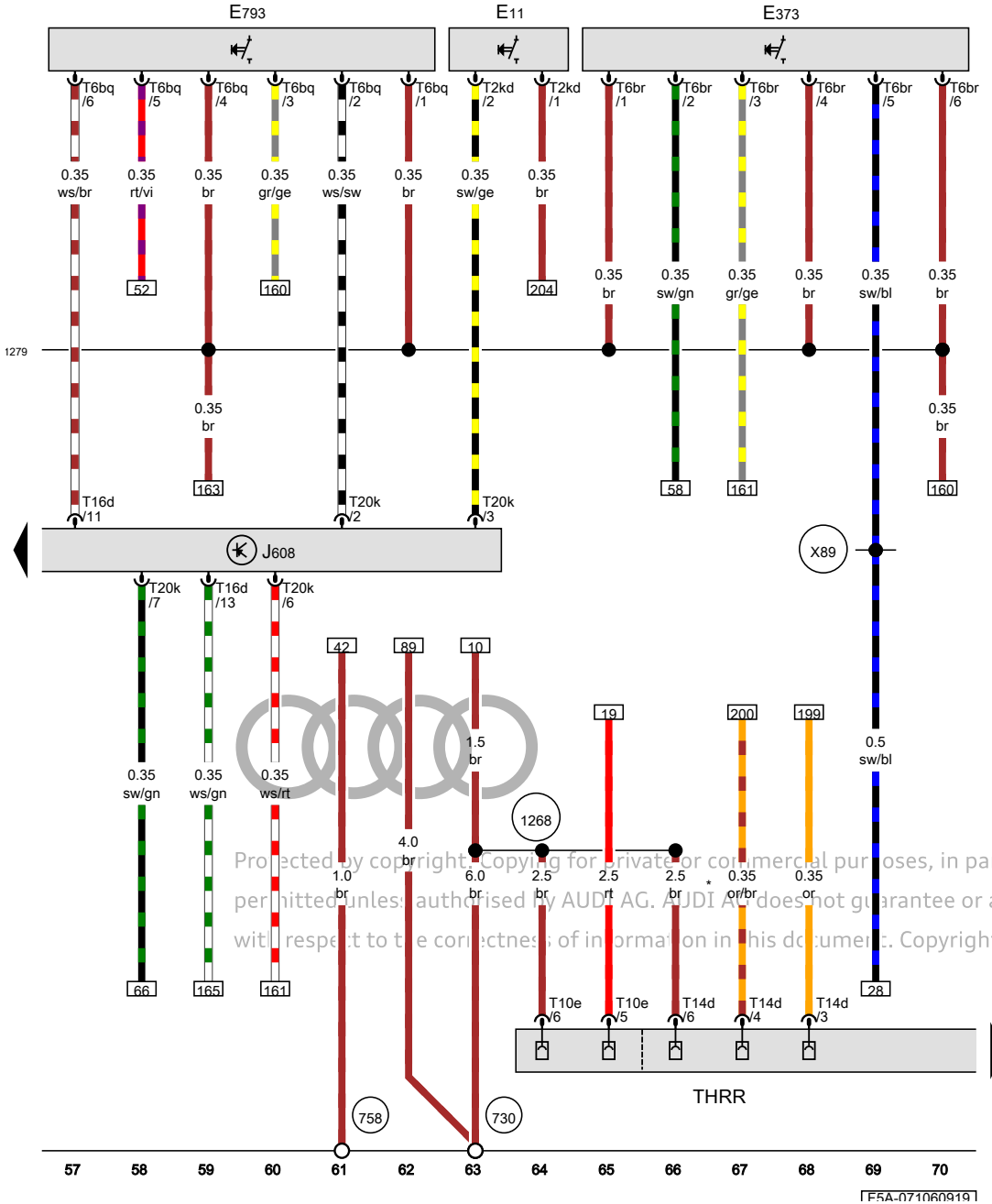
Interior lighting central switch button, Ignition bypass button, Special vehicle control unit

E390	Interior lighting central switch button
E489	Ignition bypass button
J608	Special vehicle control unit
T6bo	6-pin connector, black
T6bp	6-pin connector, black
T12o	12-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T20k	20-pin connector, black
873	Earth connection 10 in special vehicle wiring harness
1279	Earth connection 16 in special vehicle wiring harness
X236	Positive connection 17 (30a) in special vehicle wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rotating light and siren system switch, Flashing light switch, Main switch for 2-way radio, Special vehicle control unit



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E11	Rotating light and siren system switch
E373	Flashing light switch
E793	Main switch for 2-way radio
J608	Special vehicle control unit
T2kd	2-pin connector, green
T6bq	6-pin connector, black
T6br	6-pin connector, black
T10e	10-pin connector, black
T14d	14-pin connector, black
T16d	16-pin connector, black
T20k	20-pin connector, black
THRR	Coupling point in luggage compartment, right
730	Earth point 1, on right rear wheel housing
758	Earth point 3, on centre tunnel
1268	Earth connection 5 in special vehicle wiring harness
1279	Earth connection 16 in special vehicle wiring harness
X89	Connection 1 (blue flashing/rotating light), in optional equipment wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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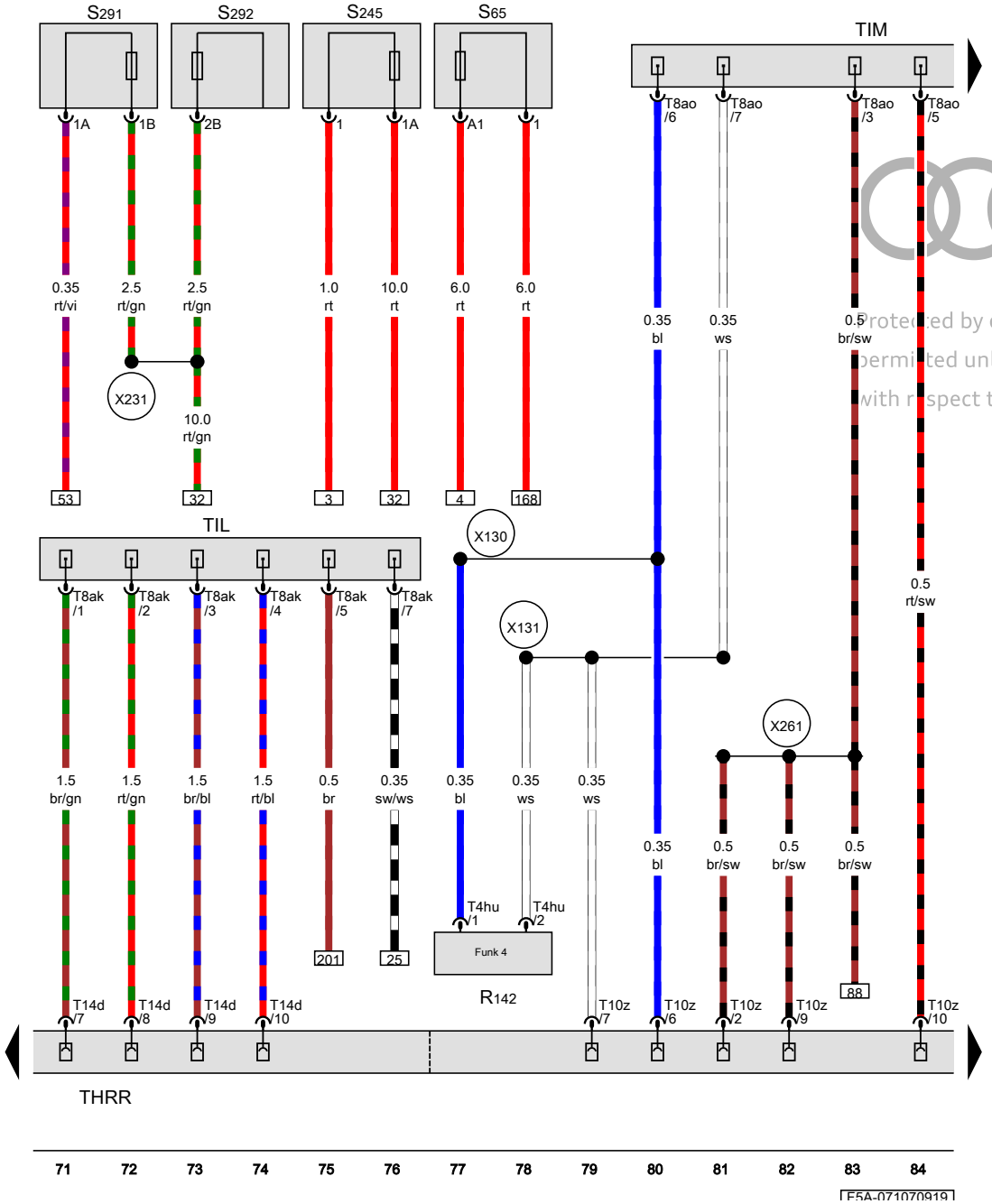

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Centre left microphone, Special vehicle fuse 1, Special vehicle fuse 2

R142	Centre left microphone
S65	2nd battery fuse
S245	Optional equipment main fuse
S291	Special vehicle fuse 1, on relay and fuse carrier, on left in luggage compartment
S292	Special vehicle fuse 2, on relay and fuse carrier, on left in luggage compartment
T4hu	4-pin connector, black
T8ak	8-pin connector, black
T8ao	8-pin connector, black
T10z	10-pin connector, black
T14d	14-pin connector, black
THRR	Coupling point in luggage compartment, right
TIL	Coupling point in interior, left
TIM	Coupling point in interior, centre
X130	Connection 3, in optional equipment wiring harness
X131	Connection 4, in optional equipment wiring harness
X231	Positive connection 12 (30a) in special vehicle wiring harness
X261	Connection 17 in special vehicle wiring harness

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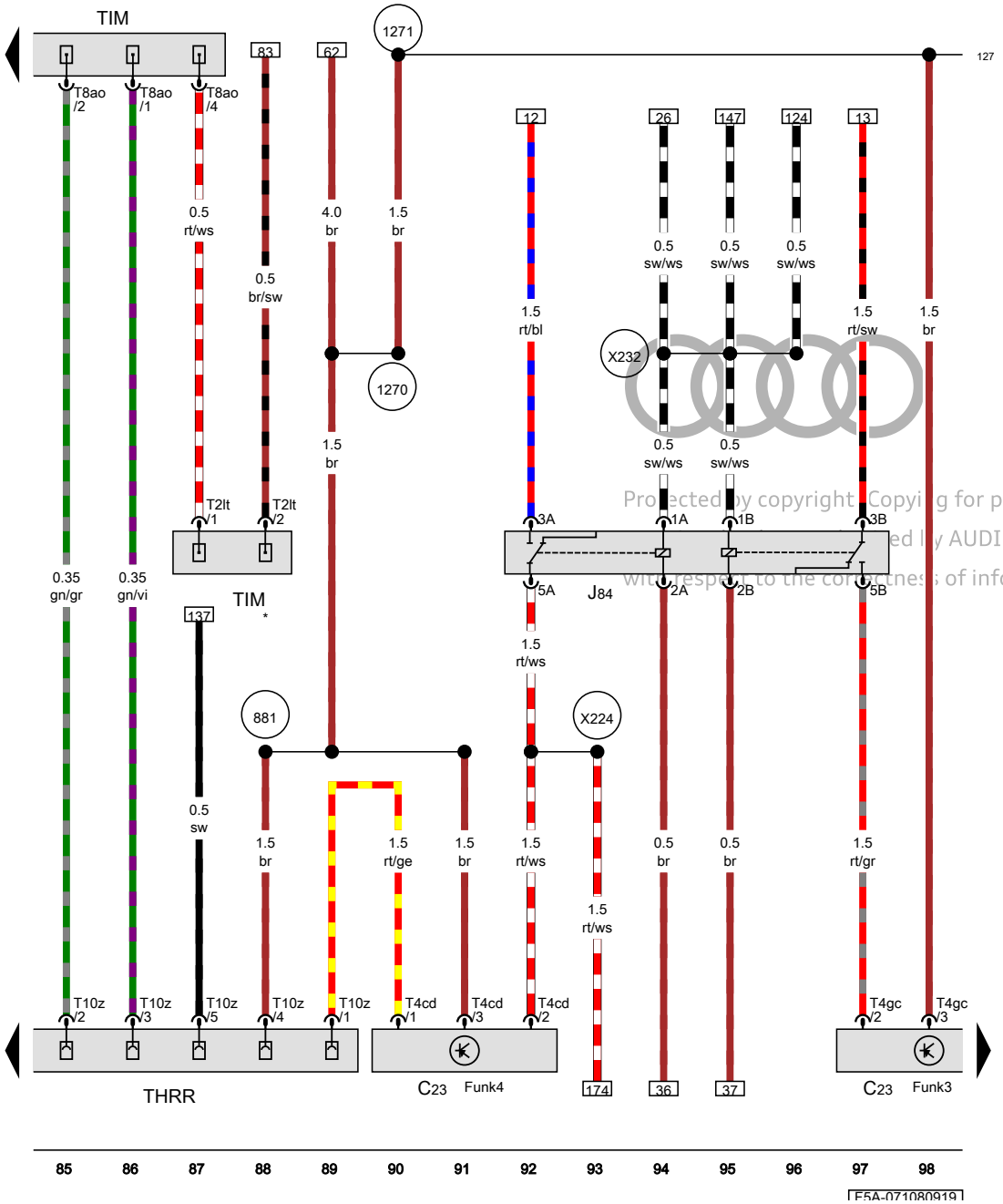

Two-way radio voltage relay

C23	Signal system/2-way radio interference suppressor
J84	Two-way radio voltage relay
T2lt	2-pin connector, brown
T4cd	4-pin connector, black
T4gc	4-pin connector, black
T8ao	8-pin connector, black
T10z	10-pin connector, black
THRR	Coupling point in luggage compartment, right
TIM	Coupling point in interior, centre
881	Earth connection 18 in special vehicle wiring harness
1270	Earth connection 7 in special vehicle wiring harness
1271	Earth connection 8 in special vehicle wiring harness
X224	Positive connection 5 (30a) in special vehicle wiring harness
X232	Positive connection 13 (30a) in special vehicle wiring harness
*	Connection 4 for 2-way radio loudspeaker

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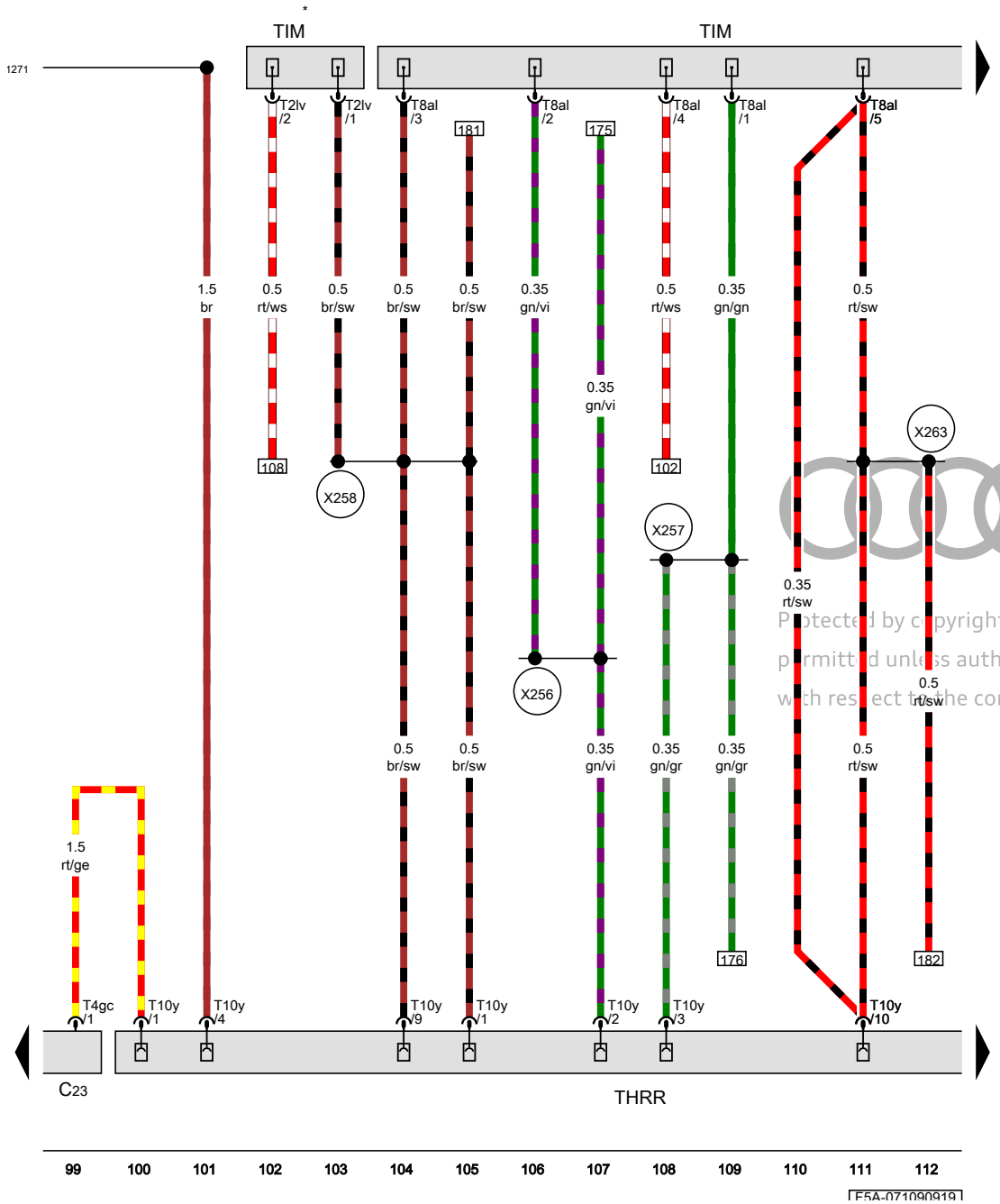

C23	Signal system/2-way radio interference suppressor
T2lv	2-pin connector, brown
T4gc	4-pin connector, black
T8al	8-pin connector, black
T10y	10-pin connector, black
THRR	Coupling point in luggage compartment, right
TIM	Coupling point in interior, centre
1271	Earth connection 8 in special vehicle wiring harness
X256	Connection 12 in special vehicle wiring harness
X257	Connection 13 in special vehicle wiring harness
X258	Connection 14 in special vehicle wiring harness
X263	Connection 19 in special vehicle wiring harness
*	Connection 3 for 2-way radio loudspeaker

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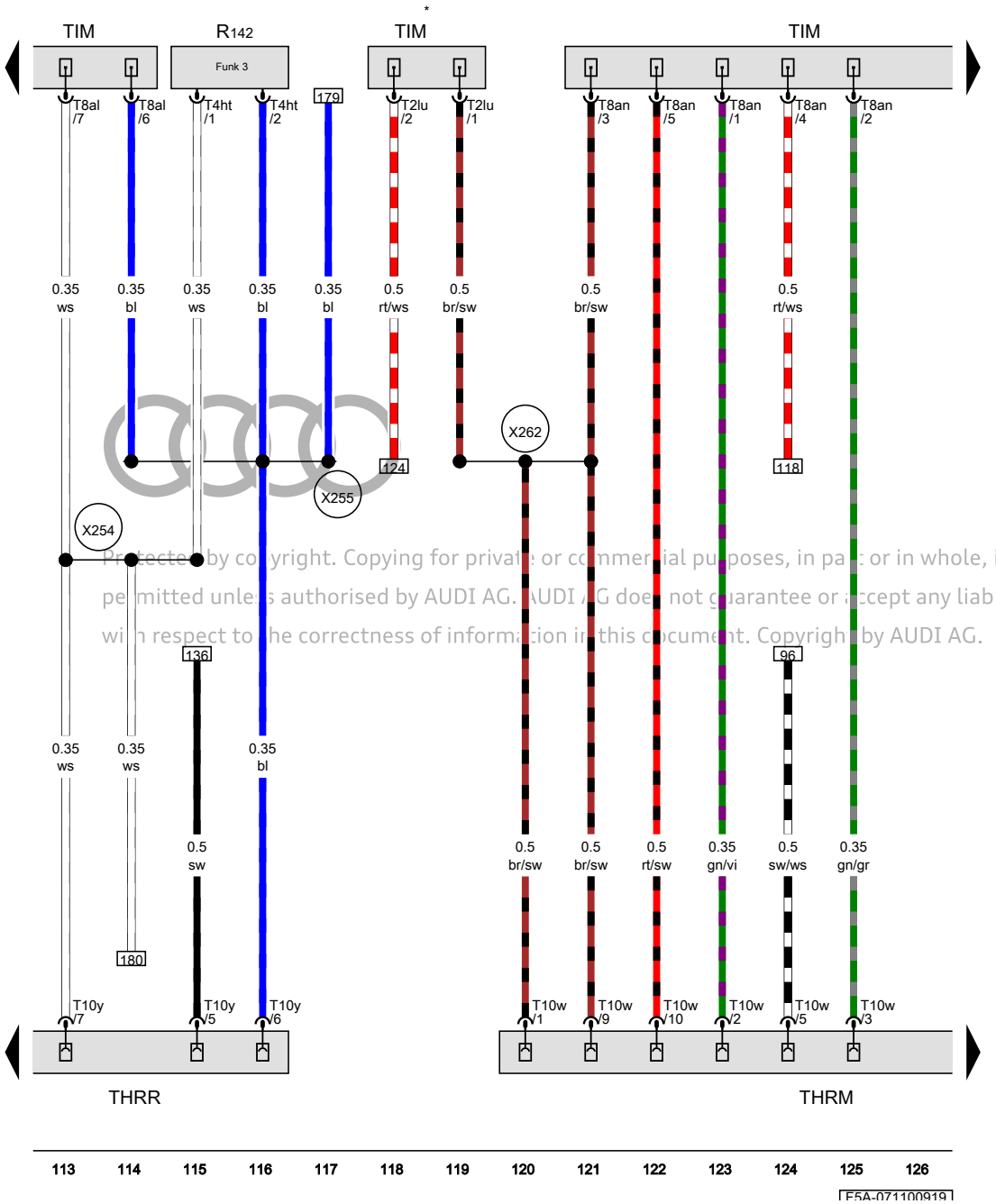

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Centre left microphone

R142	Centre left microphone
T2lu	2-pin connector, brown
T4ht	4-pin connector, black
T8al	8-pin connector, black
T8an	8-pin connector, black
T10w	10-pin connector, black
T10y	10-pin connector, black
THRM	Coupling point in luggage compartment, centre
THRR	Coupling point in luggage compartment, right
TIM	Coupling point in interior, centre
X254	Connection 10 in special vehicle wiring harness
X255	Connection 11 in special vehicle wiring harness
X262	Connection 18 in special vehicle wiring harness
*	Connection 2 for 2-way radio loudspeaker

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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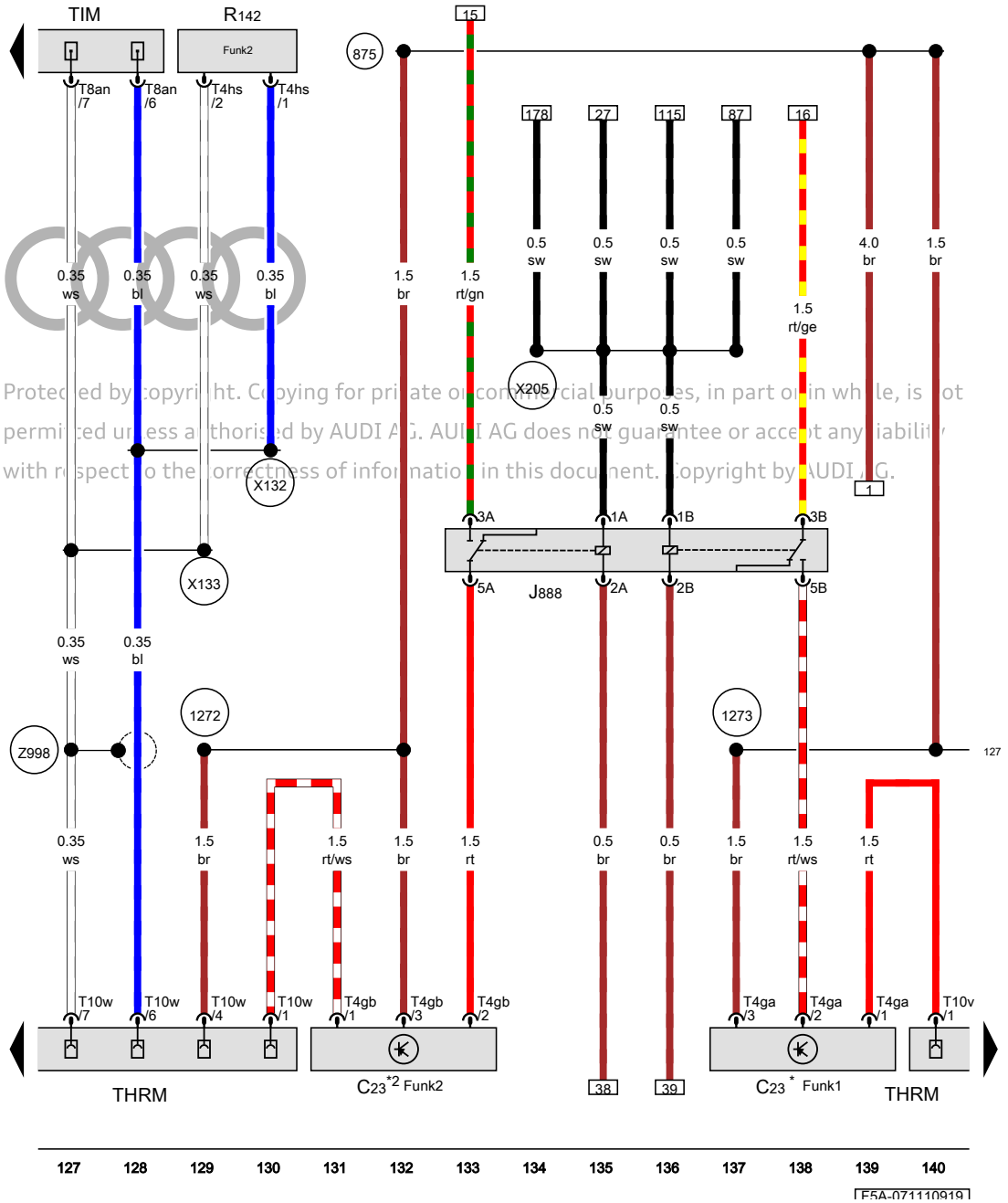

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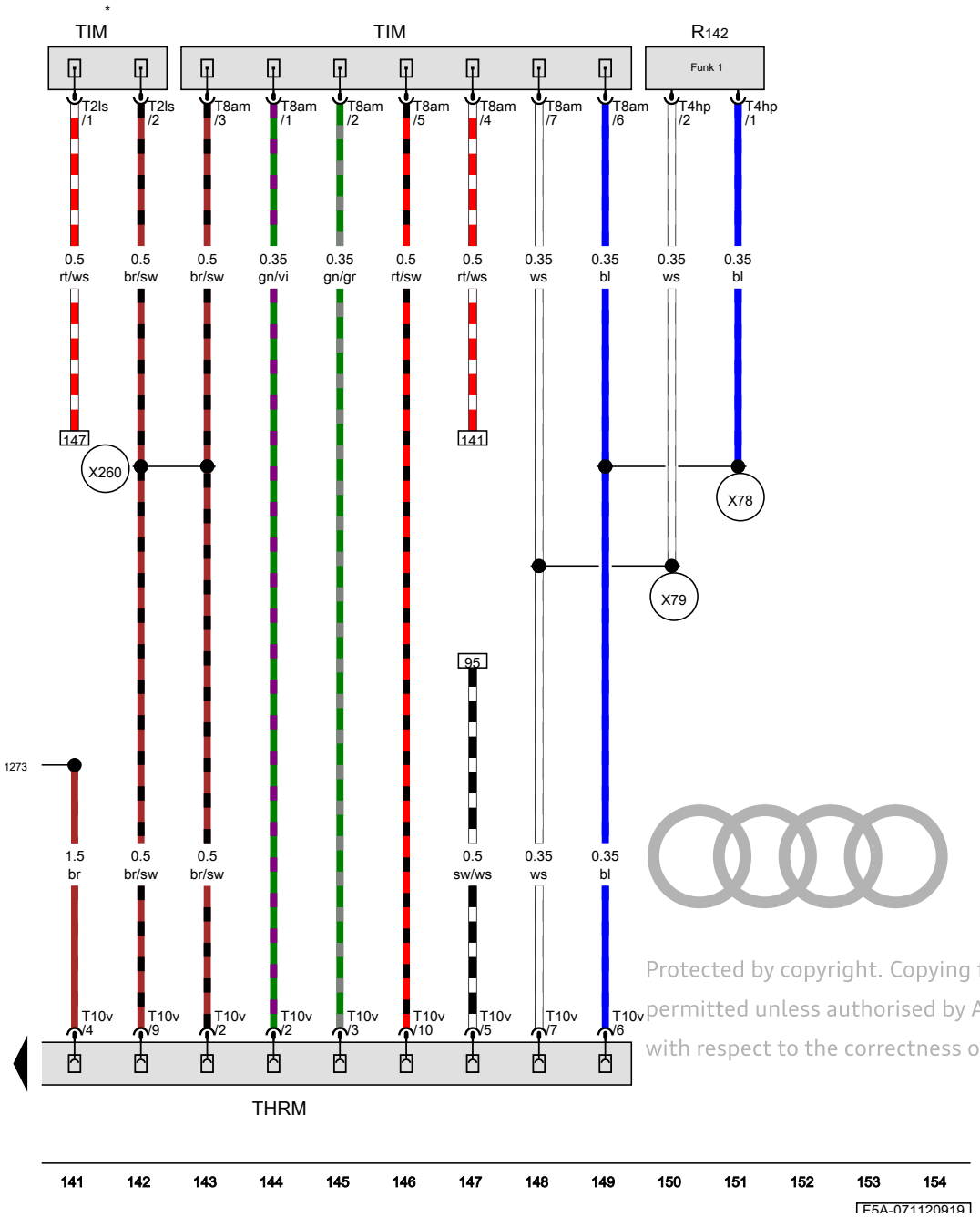
Two-way radio voltage relay 2, Centre left microphone

C23	Signal system/2-way radio interference suppressor
J888	Two-way radio voltage relay 2
R142	Centre left microphone
T4ga	4-pin connector, black
T4gb	4-pin connector, black
T4hs	4-pin connector, black
T8an	8-pin connector, black
T10v	10-pin connector, black
T10w	10-pin connector, black
THRM	Coupling point in luggage compartment, centre
TIM	Coupling point in interior, centre
875	Earth connection 12 in special vehicle wiring harness
1272	Earth connection 9 in special vehicle wiring harness
1273	Earth connection 10 in special vehicle wiring harness
X132	Connection 5, in optional equipment wiring harness
X133	Connection 6, in optional equipment wiring harness
X205	Connection 1 (15a), in special vehicle wiring harness
Z998	Wiring screen
*	Two-way radio 1
*2	Two-way radio 2



Centre left microphone

R142	Centre left microphone
T2ls	2-pin connector, brown
T4hp	4-pin connector, black
T8am	8-pin connector, black
T10v	10-pin connector, black
THRM	Coupling point in luggage compartment, centre
TIM	Coupling point in interior, centre
1273	Earth connection 10 in special vehicle wiring harness
X78	Connection 1, in optional equipment wiring harness
X79	Connection 2, in optional equipment wiring harness
X260	Connection 16 in special vehicle wiring harness
*	Connection 1 for 2-way radio loudspeaker

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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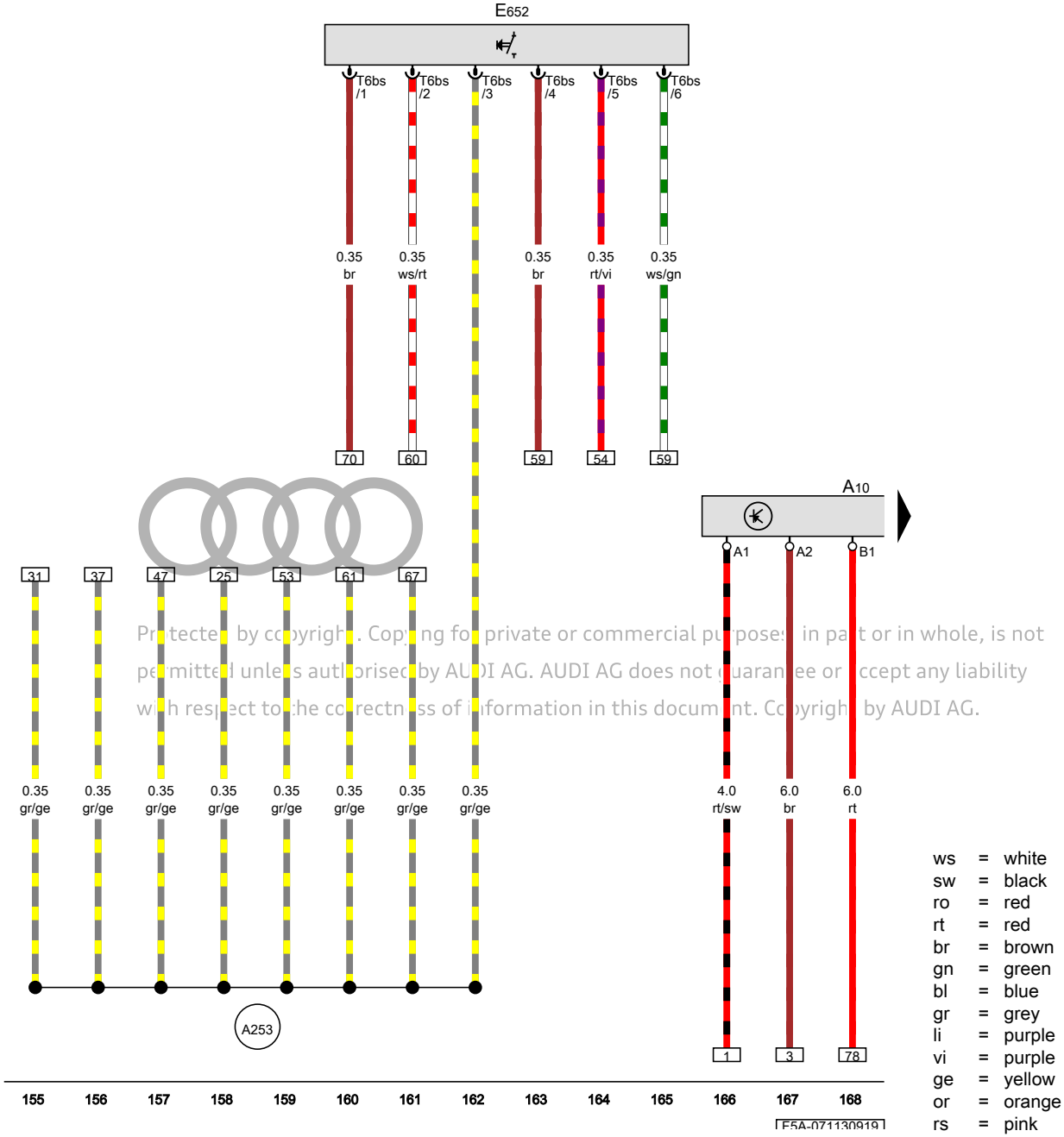
Battery charger, 230 or 110 Volt/12 Volt, Button for daytime running light switch-off

A10 Battery charger, 230 or 110 Volt/12 Volt
E652 Button for daytime running light switch-off
T6bs 6-pin connector, black
A253 Positive connection 4 (58), in special vehicle wiring harness



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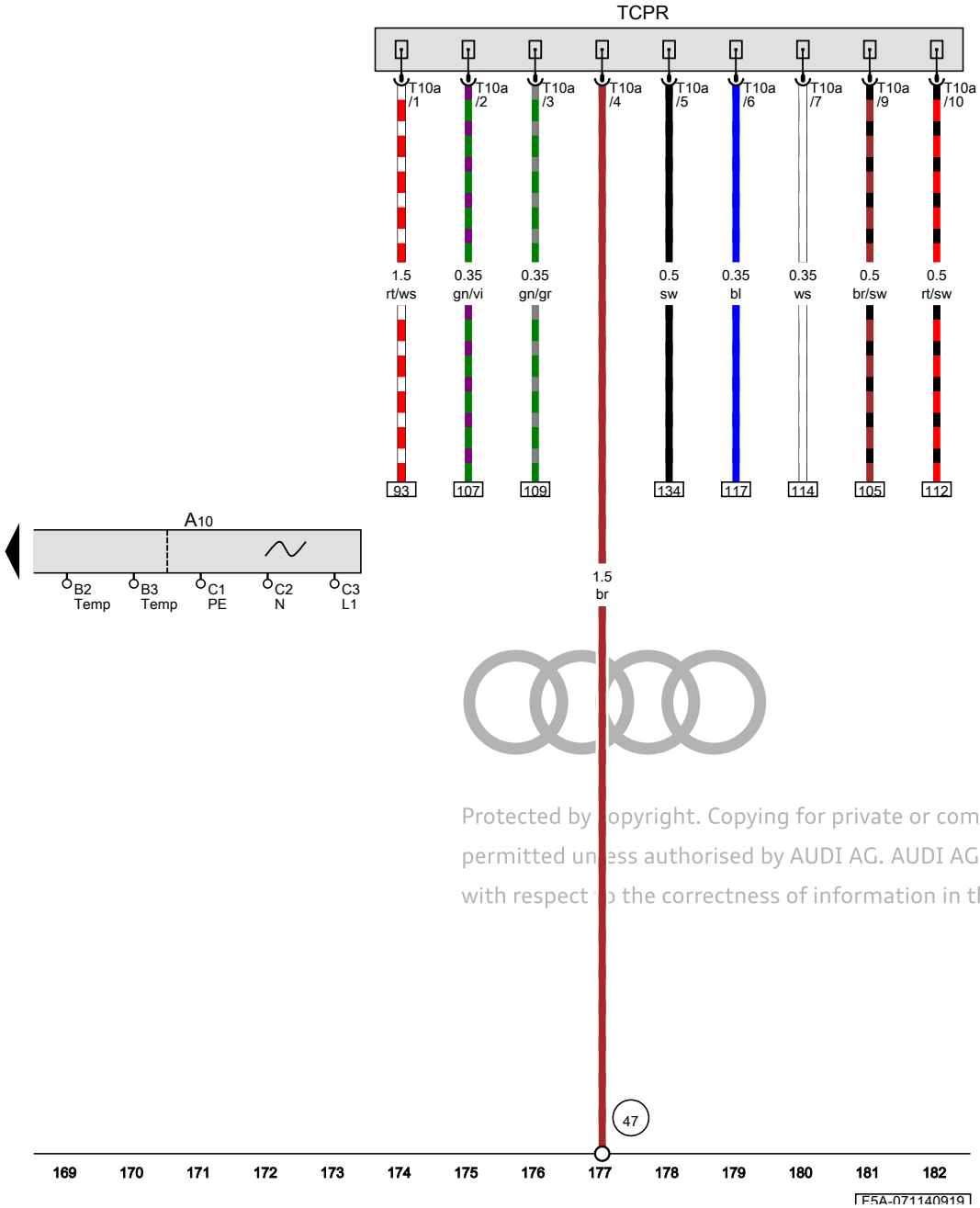
Battery charger, 230 or 110 Volt/12 Volt

A10 Battery charger, 230 or 110 Volt/12 Volt
T10a 10-pin connector, black
TCPR Coupling point on dash panel, right

47 Earth point, in front right footwell



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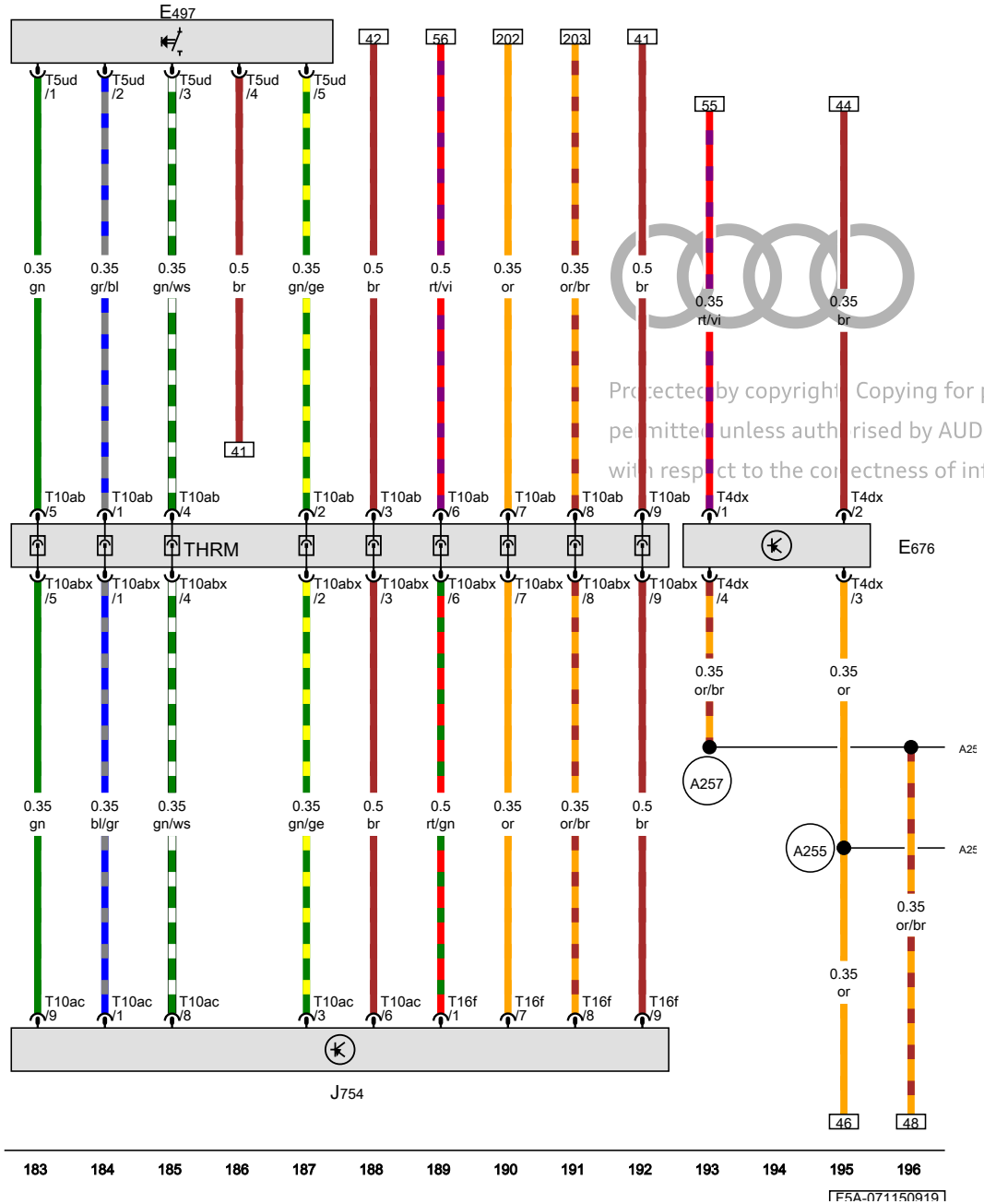
Accident data recorder button, Operating unit for special signal system, Accident data memory

E497	Accident data recorder button
E676	Operating unit for special signal system
J754	Accident data memory
T4dx	4-pin connector, black
T5ud	5-pin connector, black
T10ab	10-pin connector, black
T10abx	10-pin connector, black
T10ac	10-pin connector, black
T16f	16-pin connector, black
THRM	Coupling point in luggage compartment, centre
A255	Connection 1 (CAN bus high), in special vehicle wiring harness
A257	Connection 1 (CAN bus low), in special vehicle wiring harness



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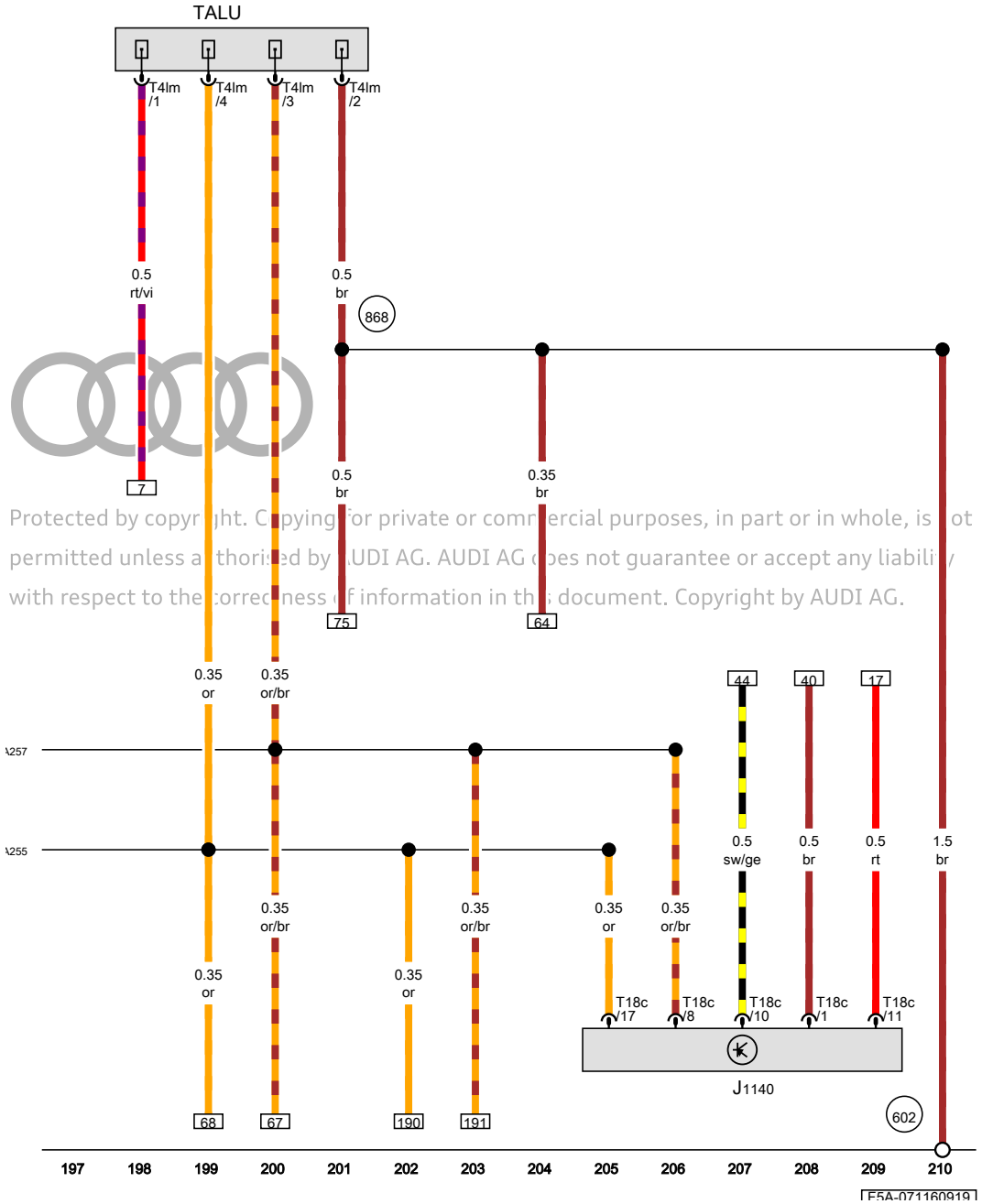
Interface for CiA MIB CAN bus, special vehicle interface

J1140	Interface for CiA MIB CAN bus, special vehicle interface
T4lm	4-pin connector, black
T18c	18-pin connector, black
TALU	Coupling point on left A-pillar, bottom
602	Earth point, in front left footwell
868	Earth connection 5 in special vehicle wiring harness
A255	Connection 1 (CAN bus high), in special vehicle wiring harness
A257	Connection 1 (CAN bus low), in special vehicle wiring harness



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Adjustable lumbar support with no electric adjustable seat , (7P1),(7P7)

From July 2016

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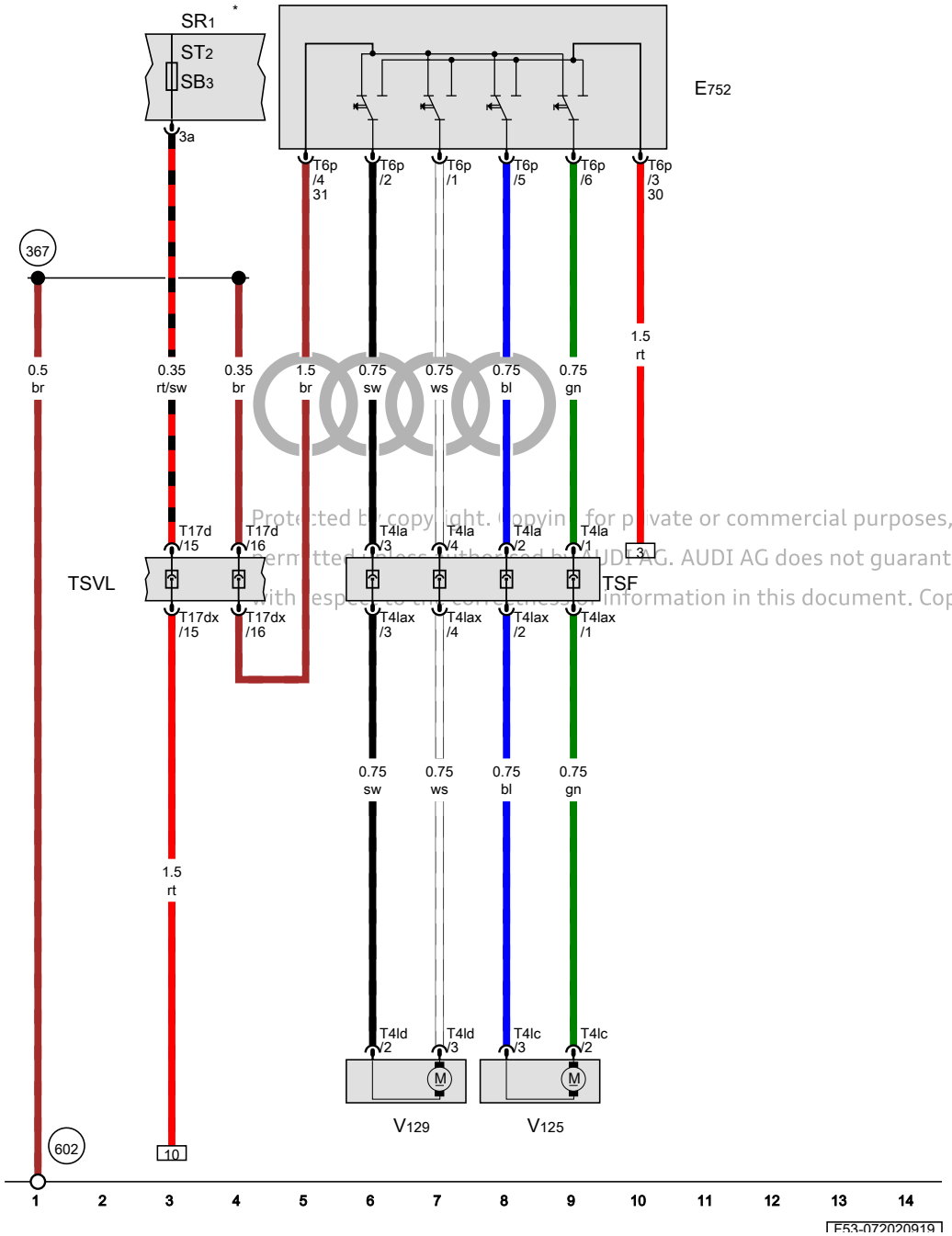

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Front left lumbar support adjustment switch, Fuse 3 on fuse holder B

E752	Front left lumbar support adjustment switch
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
T4la	4-pin connector, black
T4lax	4-pin connector, black
T4lc	4-pin connector, black
T4ld	4-pin connector, black
T6p	6-pin connector, white
T17d	17-pin connector, red
T17dx	17-pin connector, red
TSF	Coupling point for driver seat backrest
TSVL	Coupling point for front left seat
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
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rt	=	red
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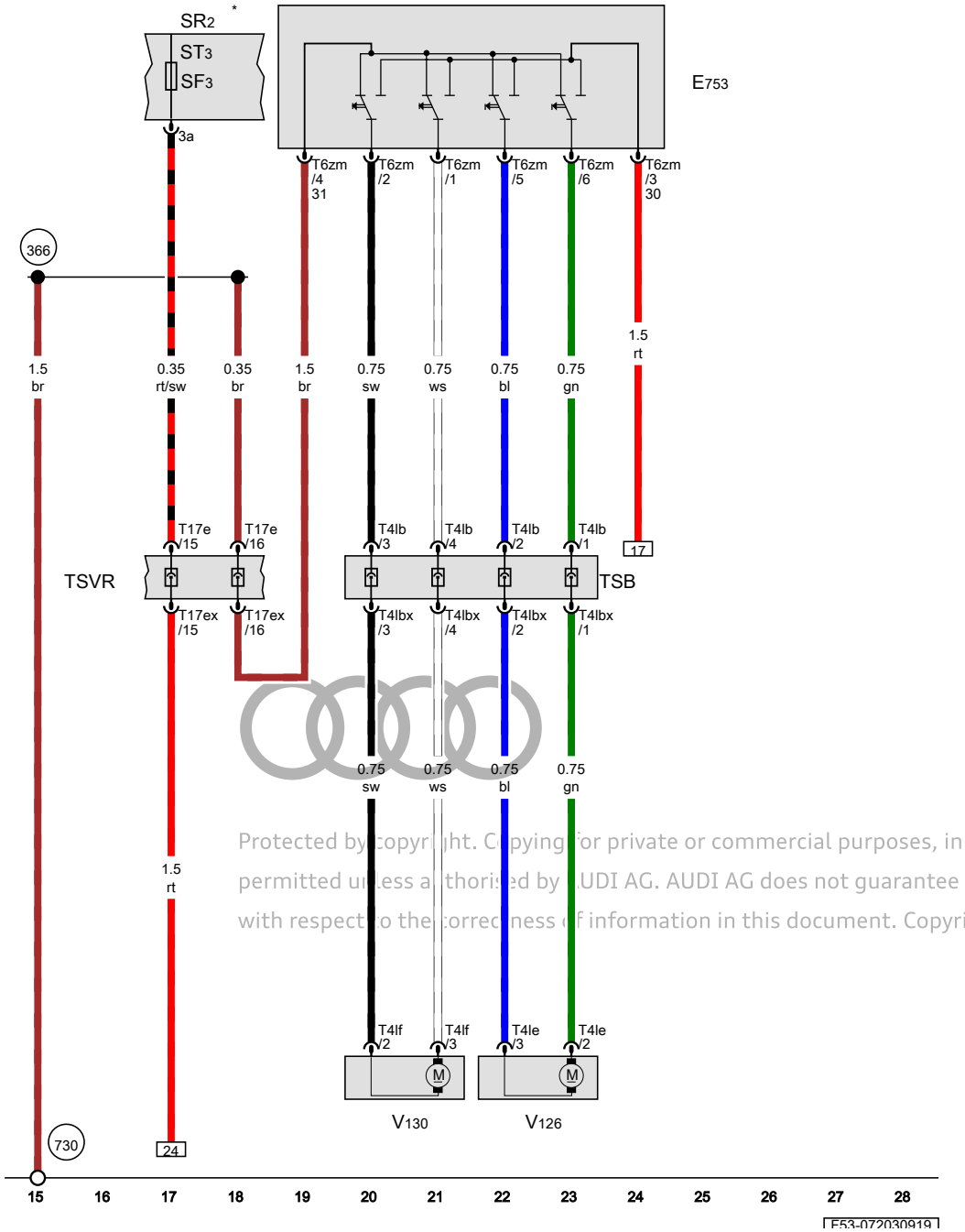

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Front right lumbar support adjustment switch

E753	Front right lumbar support adjustment switch
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF3	Fuse 3 in fuse holder F
T4lb	4-pin connector, black
T4lbx	4-pin connector, black
T4le	4-pin connector, black
T4lf	4-pin connector, black
T6zm	6-pin connector, white
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSB	Coupling point for front passenger seat backrest
TSVR	Coupling point for front right seat
V126	Front passenger seat lumbar support longitudinal adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
366	Earth connection 1, in main wiring harness
730	Earth point 1, on right rear wheel housing
*	see applicable current flow diagram for fuse assignment

ws	=	white
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ro	=	red
rt	=	red
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Tyre Pressure Monitoring System , (7K3),(7K4)

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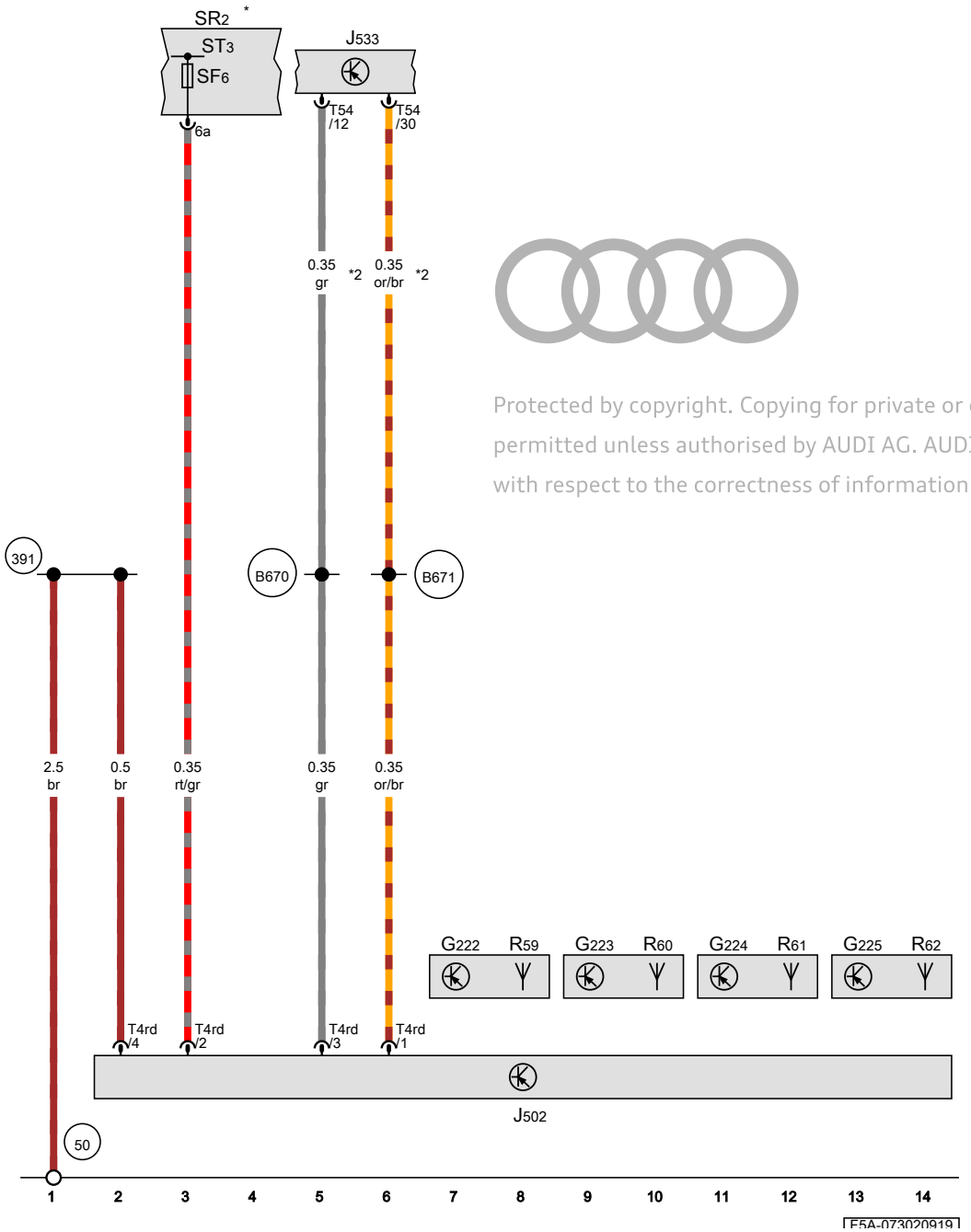

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Front left tyre pressure sensor, Rear right tyre pressure sensor, Tyre Pressure Monitoring System control unit

G222	Front left tyre pressure sensor
G223	Front right tyre pressure sensor
G224	Rear left tyre pressure sensor
G225	Rear right tyre pressure sensor
J502	Tyre Pressure Monitoring System control unit
J533	Data bus diagnostic interface
R59	Front left Tyre Pressure Monitoring System aerial
R60	Front right Tyre Pressure Monitoring System aerial
R61	Rear left Tyre Pressure Monitoring System aerial
R62	Rear right Tyre Pressure Monitoring System aerial
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF6	Fuse 6 in fuse holder F
T4rd	4-pin connector, grey
T54	54-pin connector, black
50	Earth point, on left in luggage compartment
391	Earth connection 26, in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Cross section depends on equipment

ws	=	white
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ge	=	yellow
or	=	orange
rs	=	pink

Basic equipment , (L0L)

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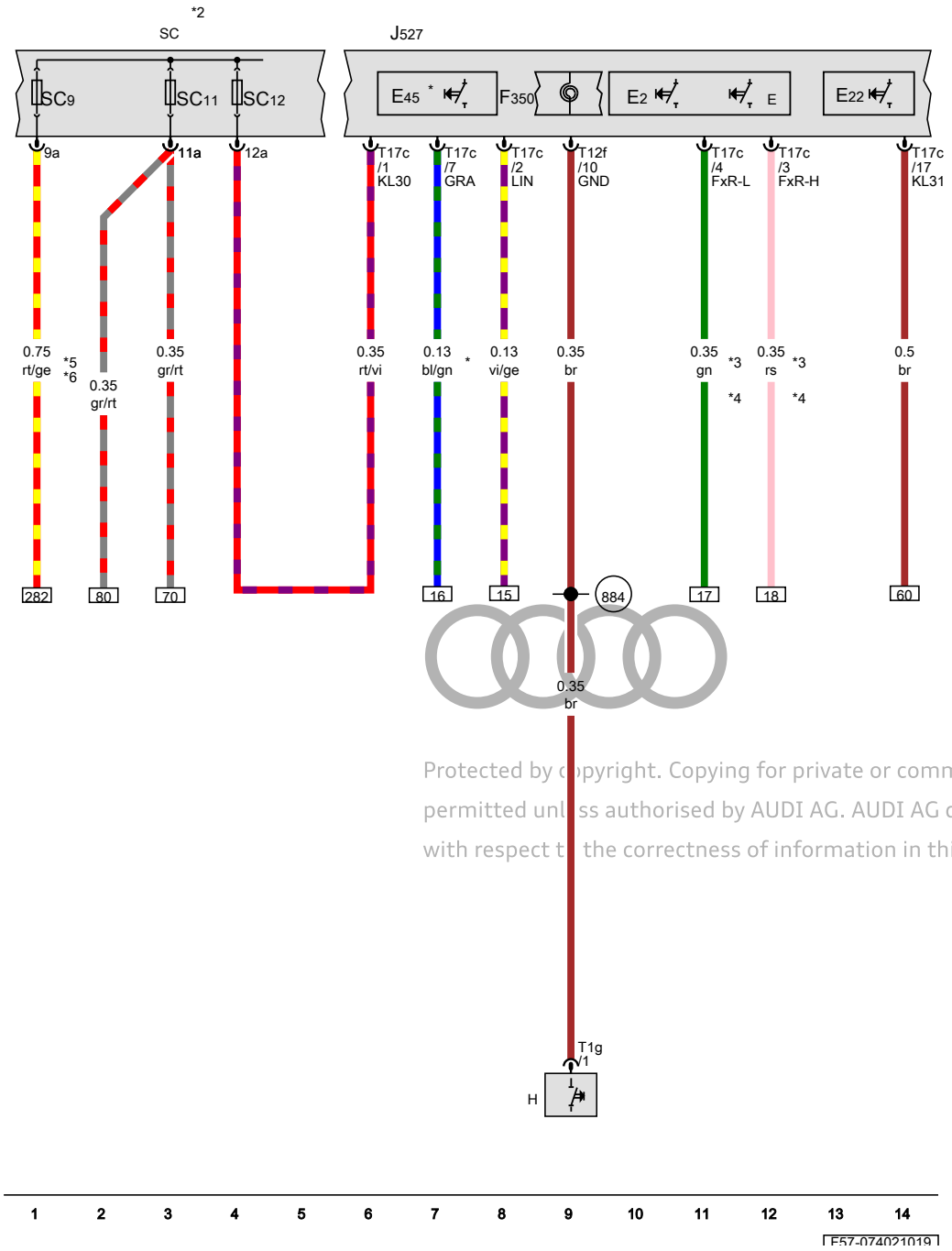

Windscreen wiper switch, Turn signal switch, Intermittent wiper switch, Cruise control system switch, Horn plate, Steering column electronics control unit, Fuse holder C

E	Windscreen wiper switch
E2	Turn signal switch
E22	Intermittent wiper switch
E45	Cruise control system switch
F350	Coil connector
H	Horn plate
J527	Steering column electronics control unit
SC	Fuse holder C
SC9	Fuse 9 on fuse holder C
SC11	Fuse 11 on fuse holder C
SC12	Fuse 12 on fuse holder C
T1g	1-pin connector, black
T12f	12-pin connector, black
T17c	17-pin connector, yellow
884	Earth connection 1 in steering wheel wiring harness
*	For models with cruise control system (CCS)
*2	see applicable current flow diagram for fuse assignment
*3	Data bus wire (FlexRay bus)
*4	see applicable current flow diagram for data bus network
*5	Up to September 2019
*6	see applicable current flow diagram for dash panel insert

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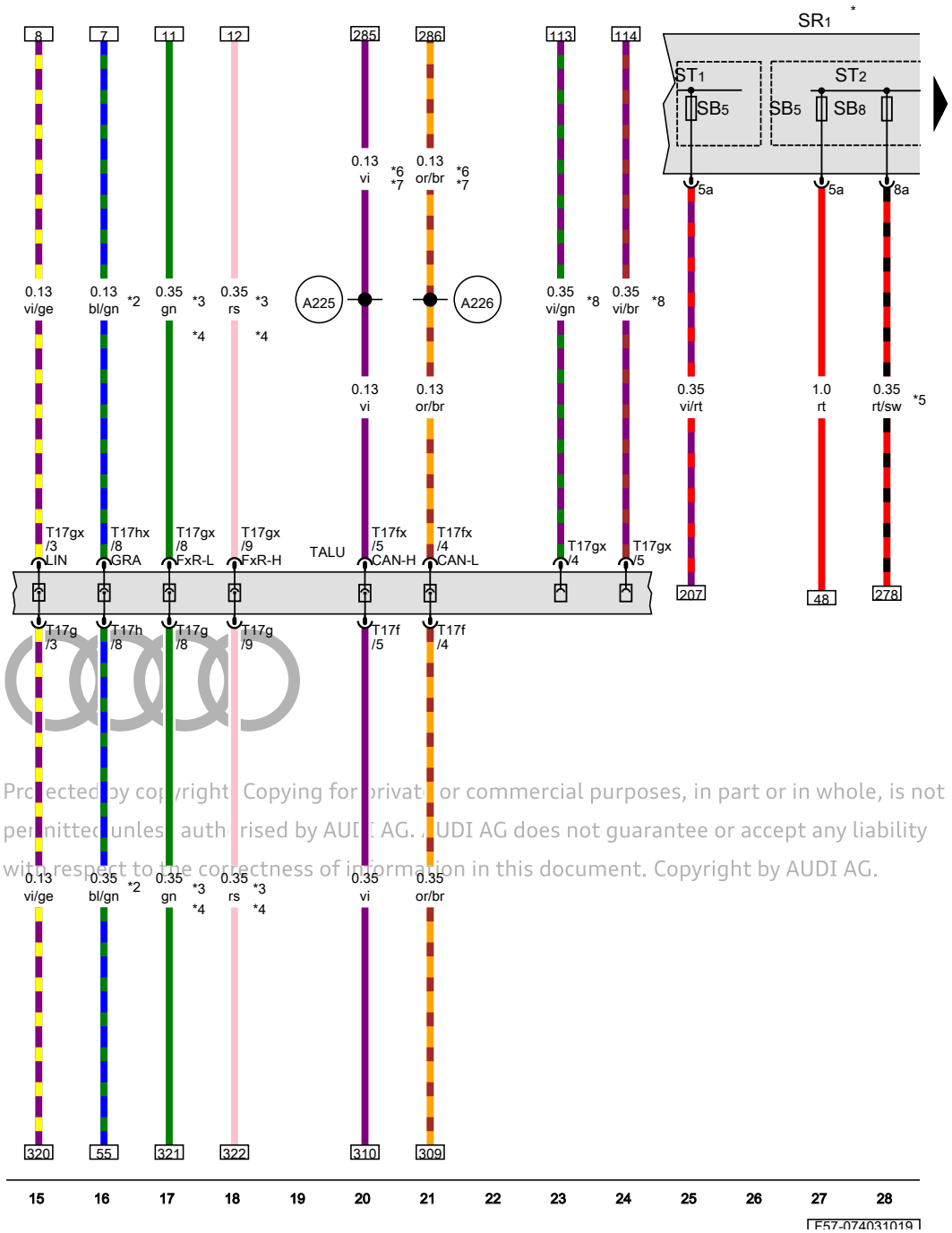

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Relay and fuse carrier 1, Coupling point on left A-pillar, bottom

SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
ST2	Fuse carrier 2, red
SB5	Fuse 5 on fuse holder B
SB8	Fuse 8 on fuse holder B
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T17h	17-pin connector, white
T17hx	17-pin connector, white
TALU	Coupling point on left A-pillar, bottom
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with cruise control system (CCS)
*3	Data bus wire (FlexRay bus)
*4	see applicable current flow diagram for data bus network
*5	Coupé
*6	Up to September 2019
*7	see applicable current flow diagram for dash panel insert
*8	For American markets

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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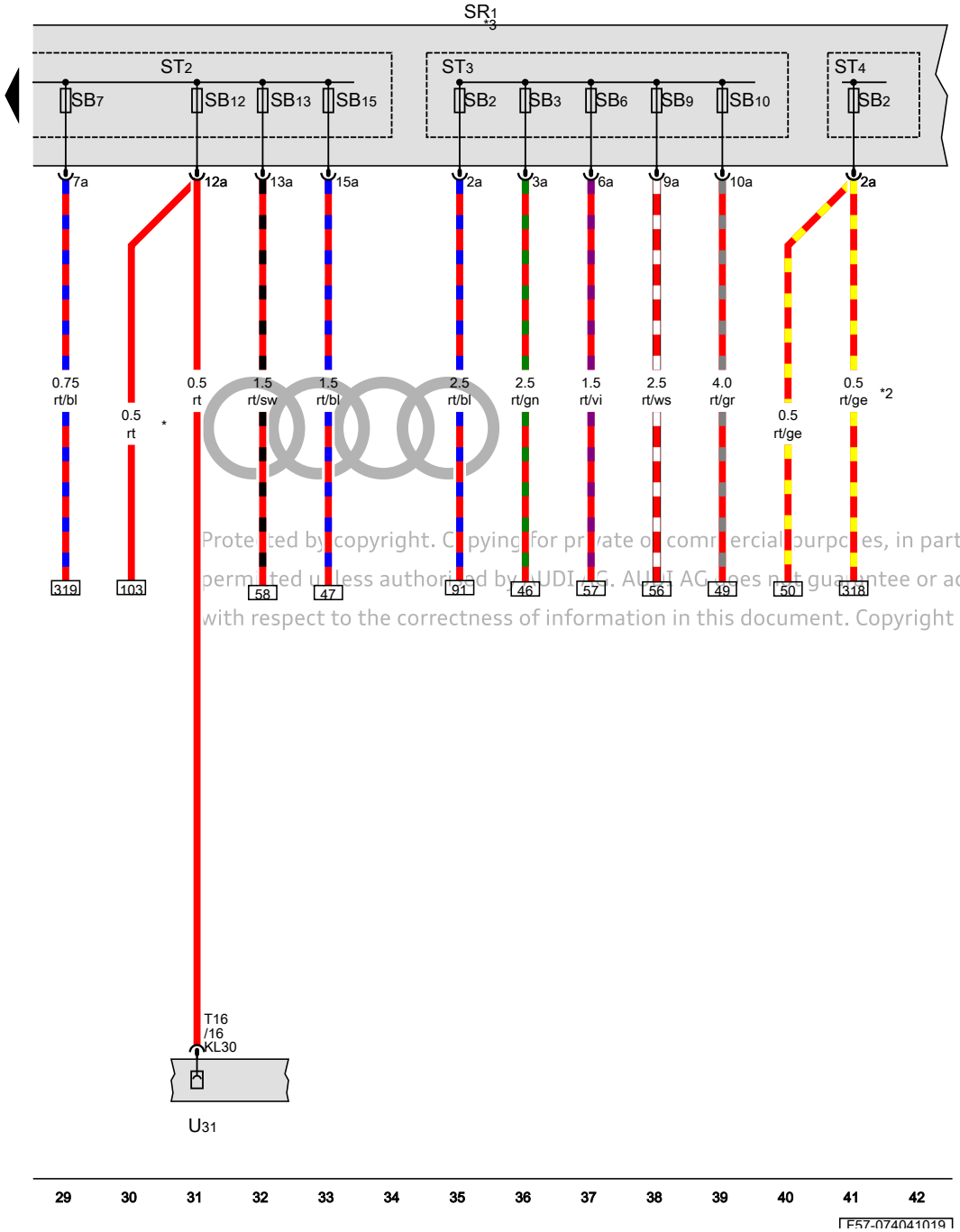

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li = purple
vi = purple
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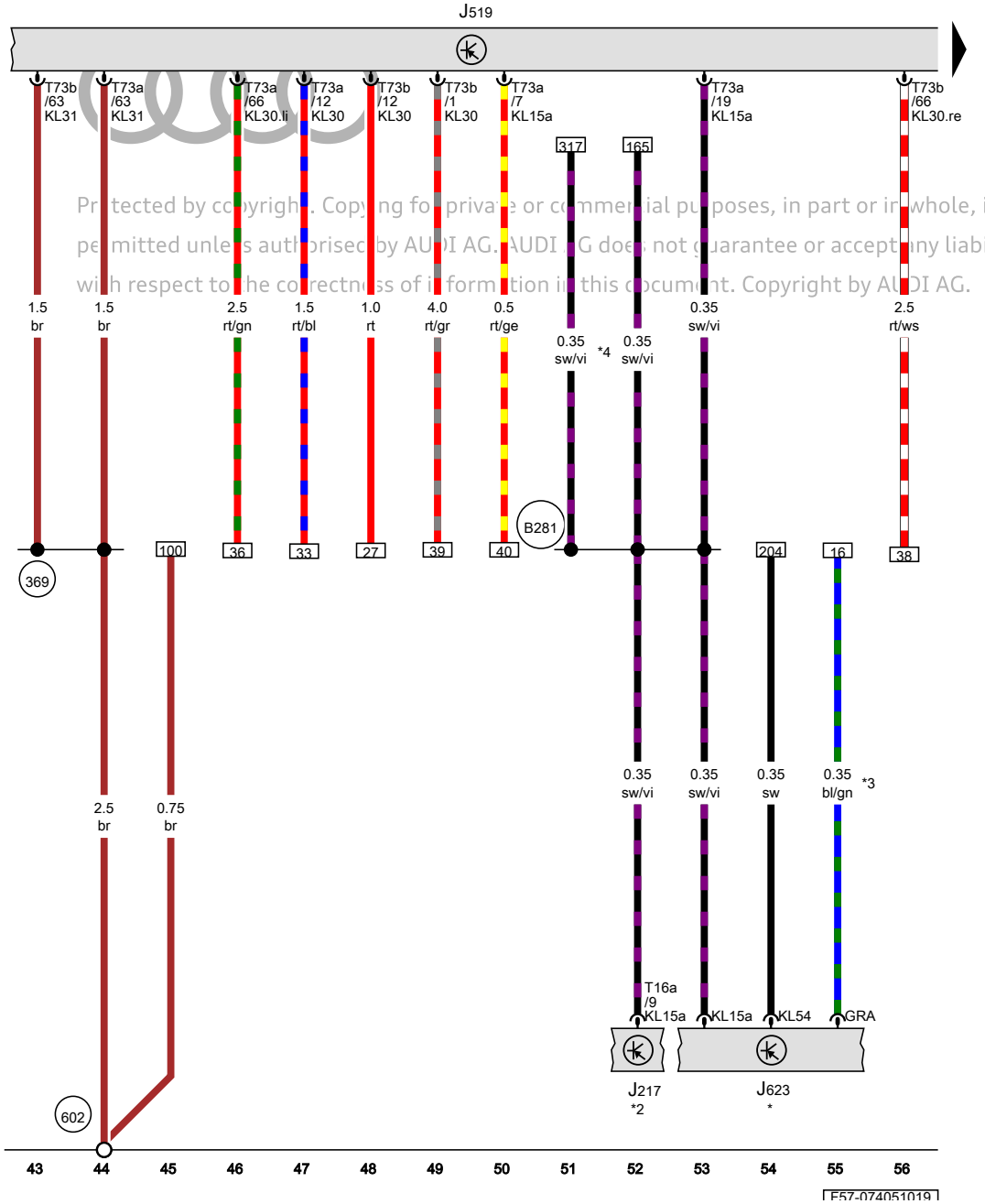
or = orange
rs = pink

Relay and fuse carrier 1, Diagnostic connection

SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
ST3	Fuse carrier 3, black
SB3	Fuse 3 on fuse holder B
ST4	Fuse carrier 4, black
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T16	16-pin connector, black
U31	Diagnostic connection
*	For models with no main beam assist
*2	Gradually discontinued
*3	see applicable current flow diagram for fuse assignment



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Automatic gearbox control unit, Onboard supply control unit, Engine/motor control unit

J217	Automatic gearbox control unit
J519	Onboard supply control unit
J623	Engine/motor control unit
T16a	16-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
369	Earth connection 4, in main wiring harness
602	Earth point, in front left footwell
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for engine
*2	According to equipment
*3	For models with cruise control system (CCS)
*4	gradual introduction

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sw	=	black
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rt	=	red
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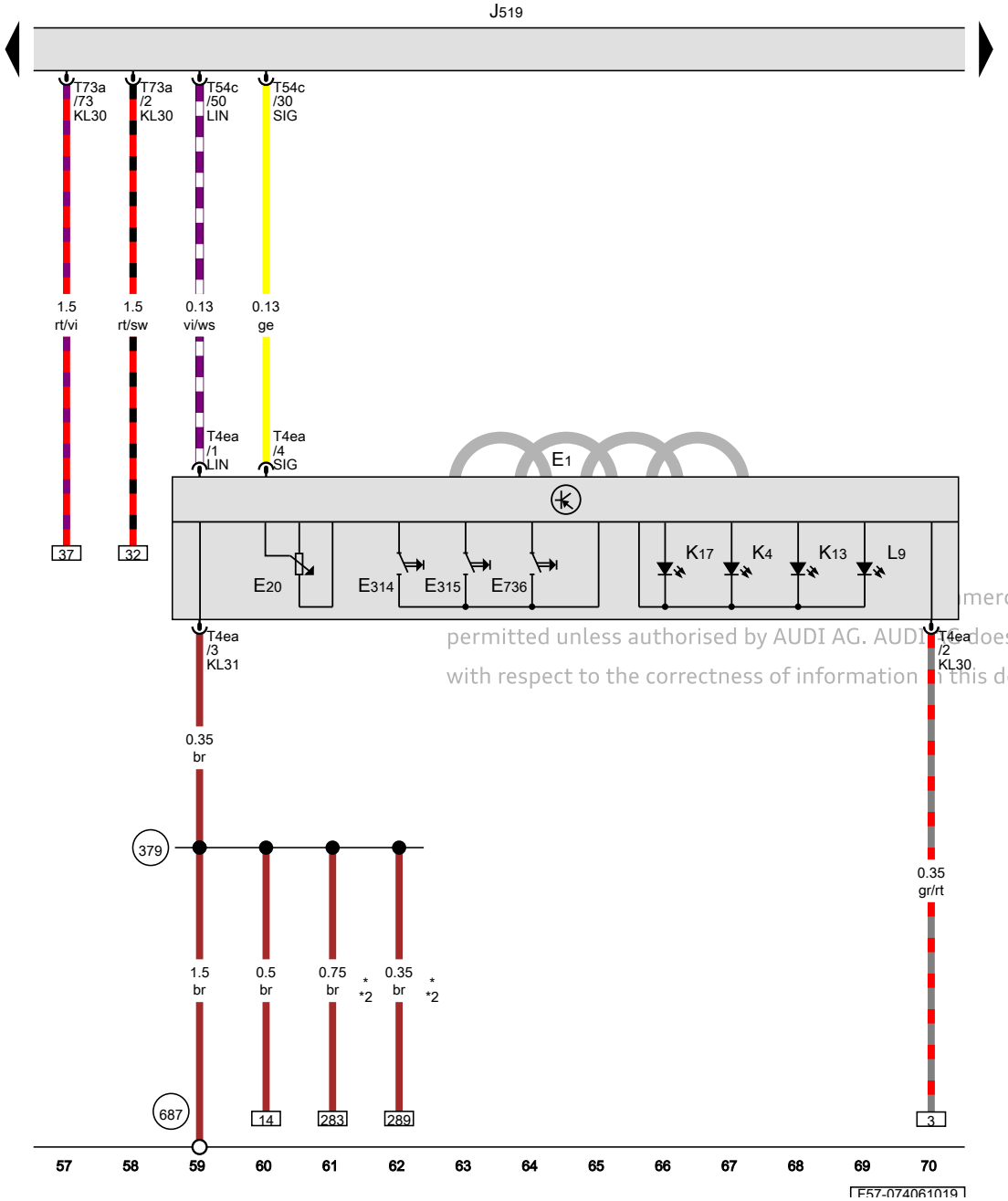

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Light switch, Onboard supply control unit

E1	Light switch
E20	Switch and instrument illumination regulator
E314	Rear fog light button
E315	Fog light button
E736	Switch for head-up display
J519	Onboard supply control unit
K4	Side light warning lamp
K13	Rear fog light warning lamp
K17	Fog light warning lamp
L9	Light switch illumination bulb
T4ea	4-pin connector, black
T54c	54-pin connector, black
T73a	73-pin connector, black
379	Earth connection 14, in main wiring harness
687	Earth point 1, on centre tunnel
*	Up to September 2019
*2	see applicable current flow diagram for dash panel insert

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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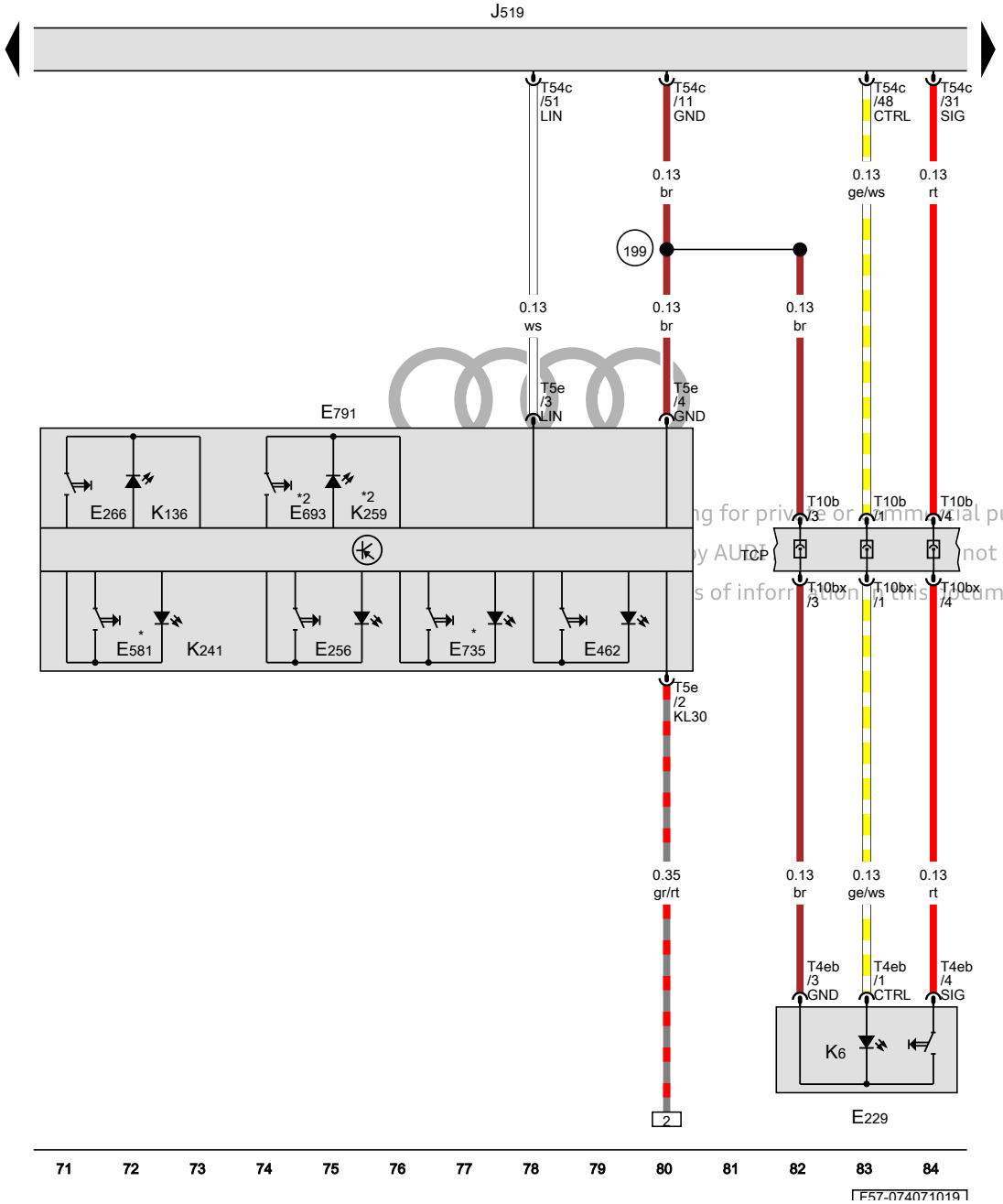

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Hazard warning lights button, Operating unit 1 for driver and convenience functions, Onboard supply control unit

E229	Hazard warning lights button
E256	Button for TCS and electronic stabilisation program
E266	Parking aid button
E462	Open and close button for front display
E581	Park assist steering button
E693	Start/Stop operation button
E735	Driving mode selection button
E791	Operating unit 1 for driver and convenience functions
J519	Onboard supply control unit
K6	Indicator lamp for hazard warning light
K136	Parking aid warning lamp
K241	Warning light for park assist steering
K259	Start/Stop operation warning lamp
T4eb	4-pin connector, black
T5e	5-pin connector, brown
T10b	10-pin connector, black
T10bx	10-pin connector, black
T54c	54-pin connector, black
TCP	Coupling point on dash panel
199	Earth connection 3, in dash panel wiring harness
*	According to equipment
*2	For models with start/stop system

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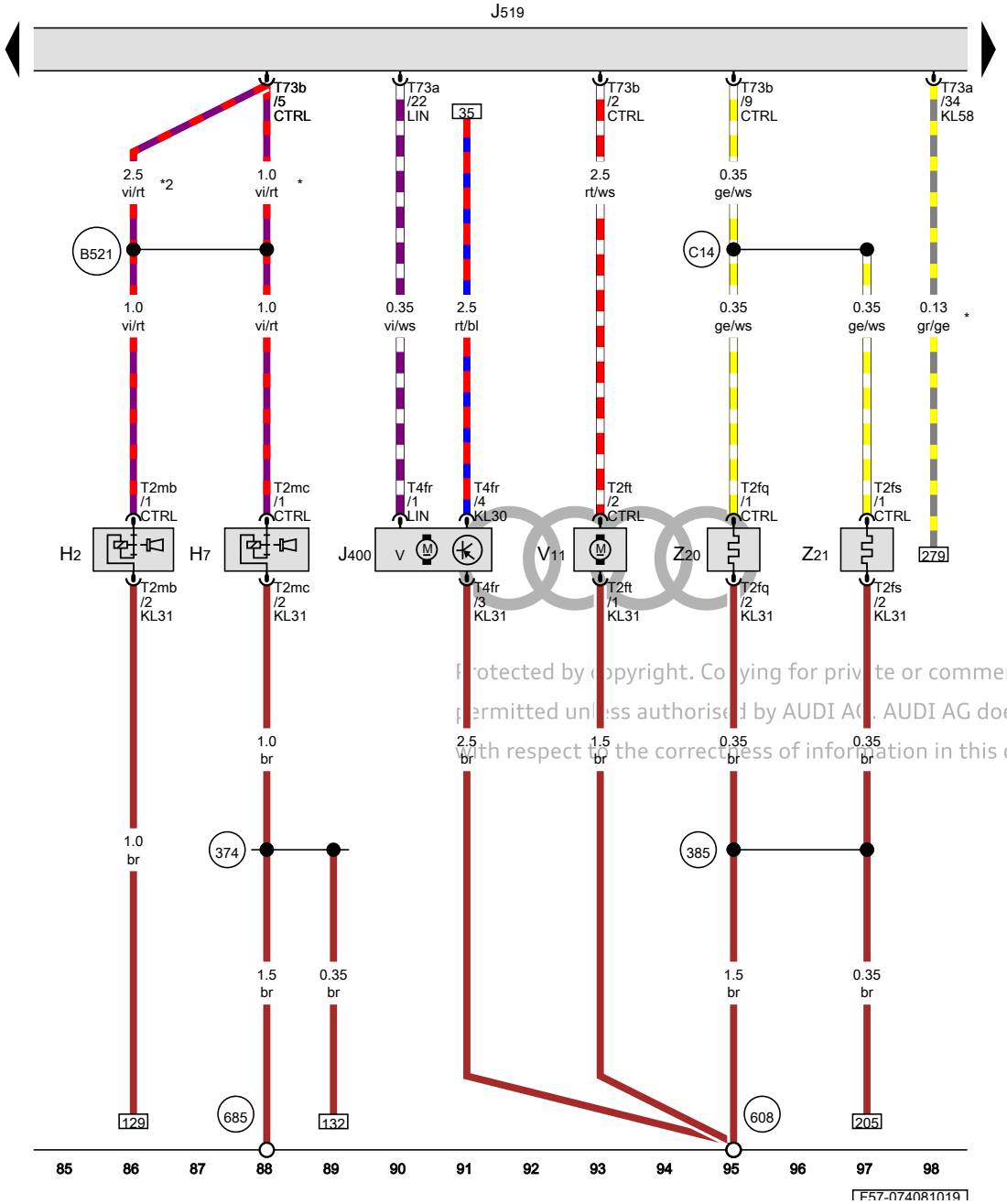

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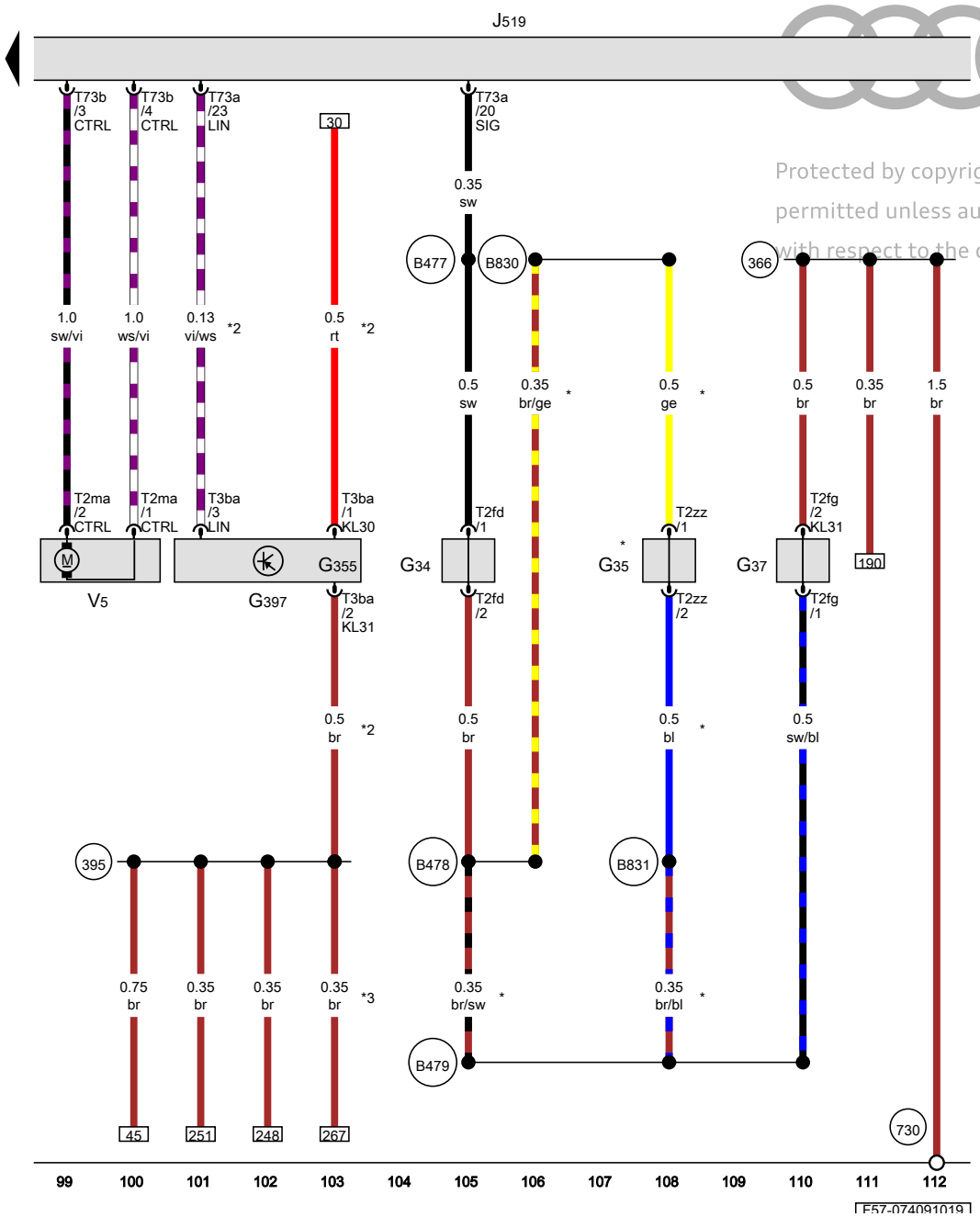
Treble horn, Bass horn, Wiper motor control unit, Onboard supply control unit, Windscreen wiper motor, Headlight washer system pump, Left washer jet heater element, Right washer jet heater element

H2	Treble horn
H7	Bass horn
J400	Wiper motor control unit
J519	Onboard supply control unit
T2fq	2-pin connector, black
T2fs	2-pin connector, black
T2ft	2-pin connector, black
T2mb	2-pin connector, black
T2mc	2-pin connector, black
T4fr	4-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V	Windscreen wiper motor
V11	Headlight washer system pump
Z20	Left washer jet heater element
Z21	Right washer jet heater element
374	Earth connection 9, in main wiring harness
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
685	Earth point 1, on front of right longitudinal member
B521	Connection (dual tone horn), in main wiring harness
C14	Positive connection (15), in heated washer jet wiring harness
*	Coupé
*2	For Cabriolet models



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Front left brake pad wear sender, Front right brake pad wear sender, Rear right brake pad wear sender, Rain and light sensor, Onboard supply control unit, Washer pump

G34	Front left brake pad wear sender
G35	Front right brake pad wear sender
G37	Rear right brake pad wear sender
G355	Humidity sender
G397	Rain and light sensor
J519	Onboard supply control unit
T2fd	2-pin connector, black
T2fg	2-pin connector, black
T2ma	2-pin connector, black
T2zz	2-pin connector, black
T3ba	3-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V5	Washer pump
366	Earth connection 1, in main wiring harness
395	Earth connection 30, in main wiring harness
730	Earth point 1, on right rear wheel housing
B477	Connection 13, in main wiring harness
B478	Connection 14, in main wiring harness
B479	Connection 15, in main wiring harness
B830	Connection 5 (brake pad wear indicator), in main wiring harness
B831	Connection 6 (brake pad wear indicator), in main wiring harness
*	According to equipment
*2	For models with no main beam assist
*3	Coupé

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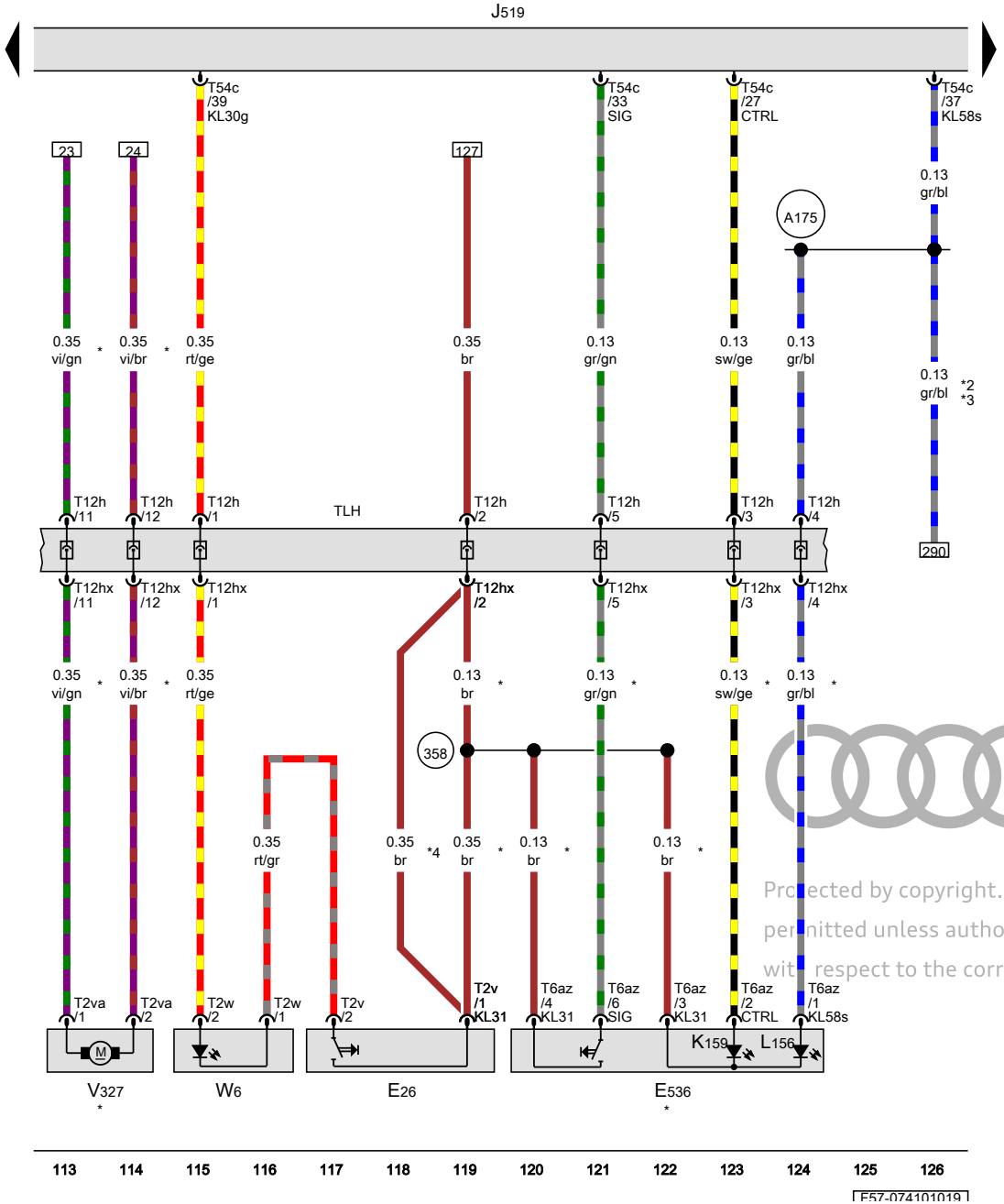

Glove compartment light switch, Onboard supply control unit, Valet parking warning lamp, Switch illumination bulb, Glove compartment release motor, Glove compartment light

E26	Glove compartment light switch
E536	Valet parking button
J519	Onboard supply control unit
K159	Valet parking warning lamp
L156	Switch illumination bulb
T2v	2-pin connector, black
T2va	2-pin connector, black
T2w	2-pin connector, black
T6az	6-pin connector, red
T12h	12-pin connector, black
T12hx	12-pin connector, black
T54c	54-pin connector, black
TLH	Coupling point for glove compartment wiring harness
V327	Glove compartment release motor
W6	Glove compartment light
358	Earth connection, in glove compartment wiring harness
A175	Connection (58s), in dash panel wiring harness
*	For American markets
*2	Up to September 2019
*3	see applicable current flow diagram for dash panel insert
*4	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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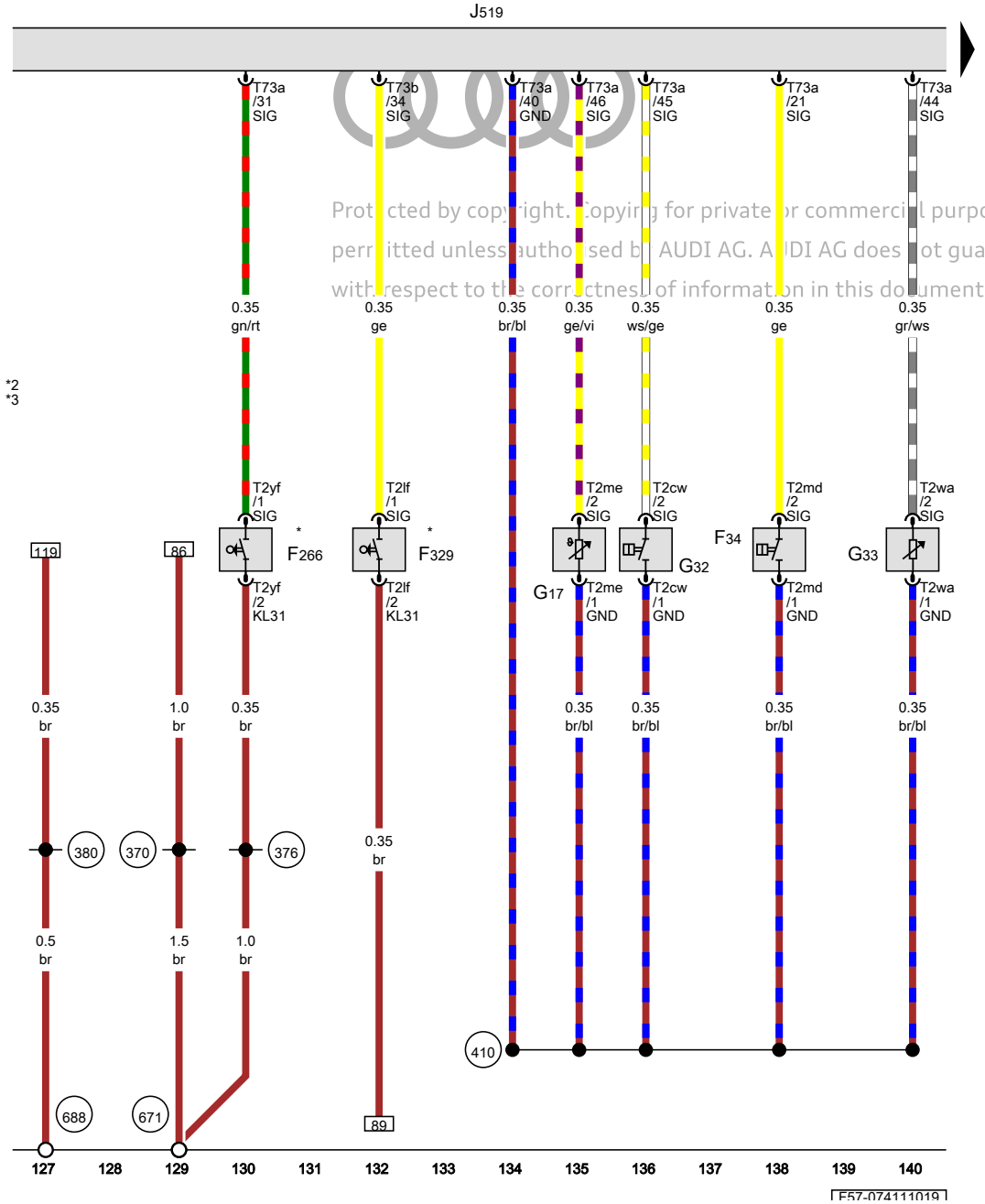

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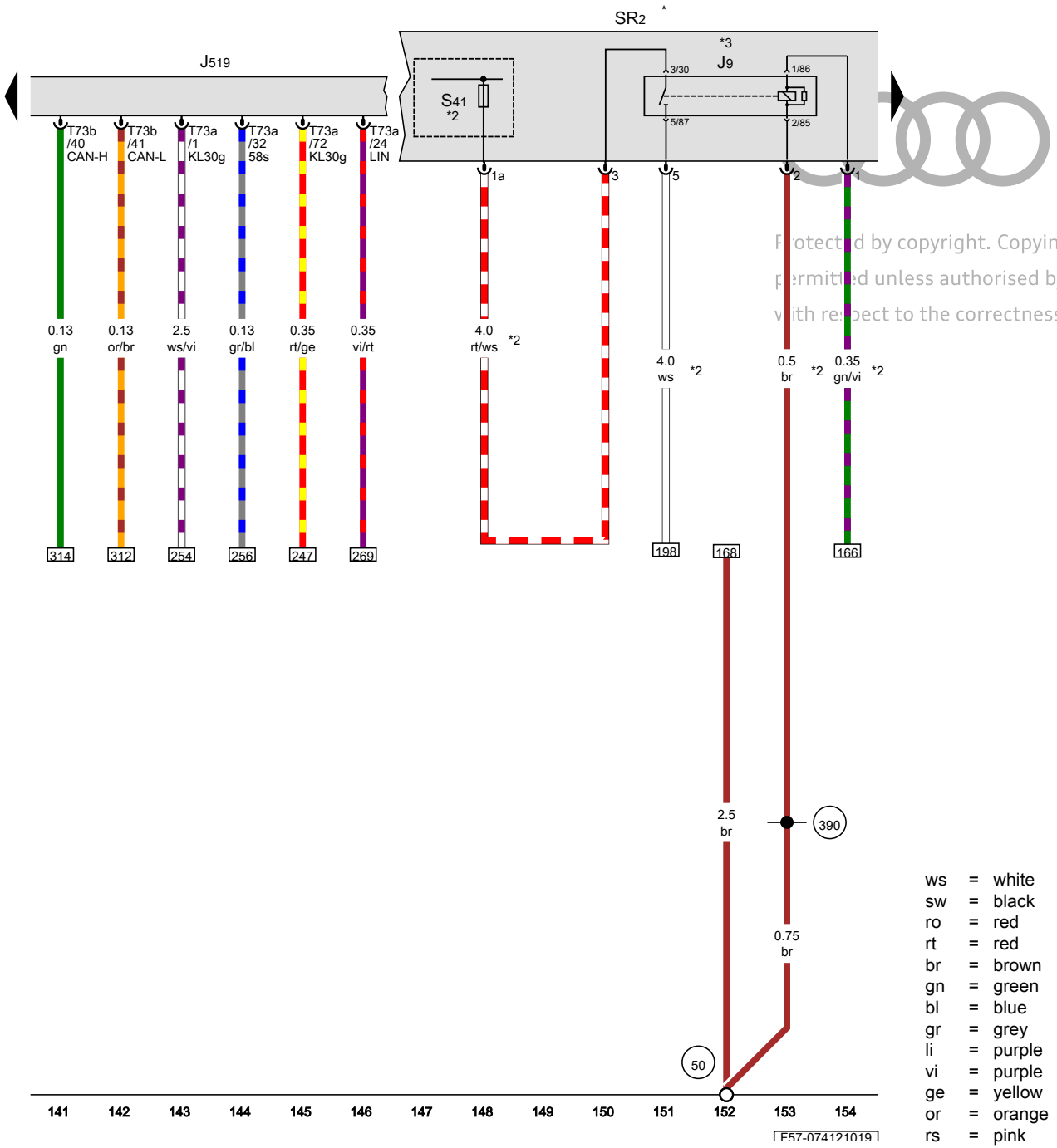
Brake fluid level warning contact, Bonnet contact switch, Bonnet contact switch 2, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Onboard supply control unit

F34	Brake fluid level warning contact
F266	Bonnet contact switch
F329	Bonnet contact switch 2
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J519	Onboard supply control unit
T2cw	2-pin connector, black
T2lf	2-pin connector, black
T2md	2-pin connector, black
T2me	2-pin connector, black
T2wa	2-pin connector, black
T2yf	2-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
370	Earth connection 5, in main wiring harness
376	Earth connection 11, in main wiring harness
380	Earth connection 15, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
671	Earth point 1, on front of left longitudinal member
688	Earth point 2, on centre tunnel
*	Pre-wired component



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Heated rear window relay, Onboard supply control unit, Relay and fuse carrier 2

J9	Heated rear window relay, black
J519	Onboard supply control unit
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
S41	Heated rear window single fuse
T73a	73-pin connector, black
T73b	73-pin connector, black
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Coupé
*3	see applicable current flow diagram for convertible roof

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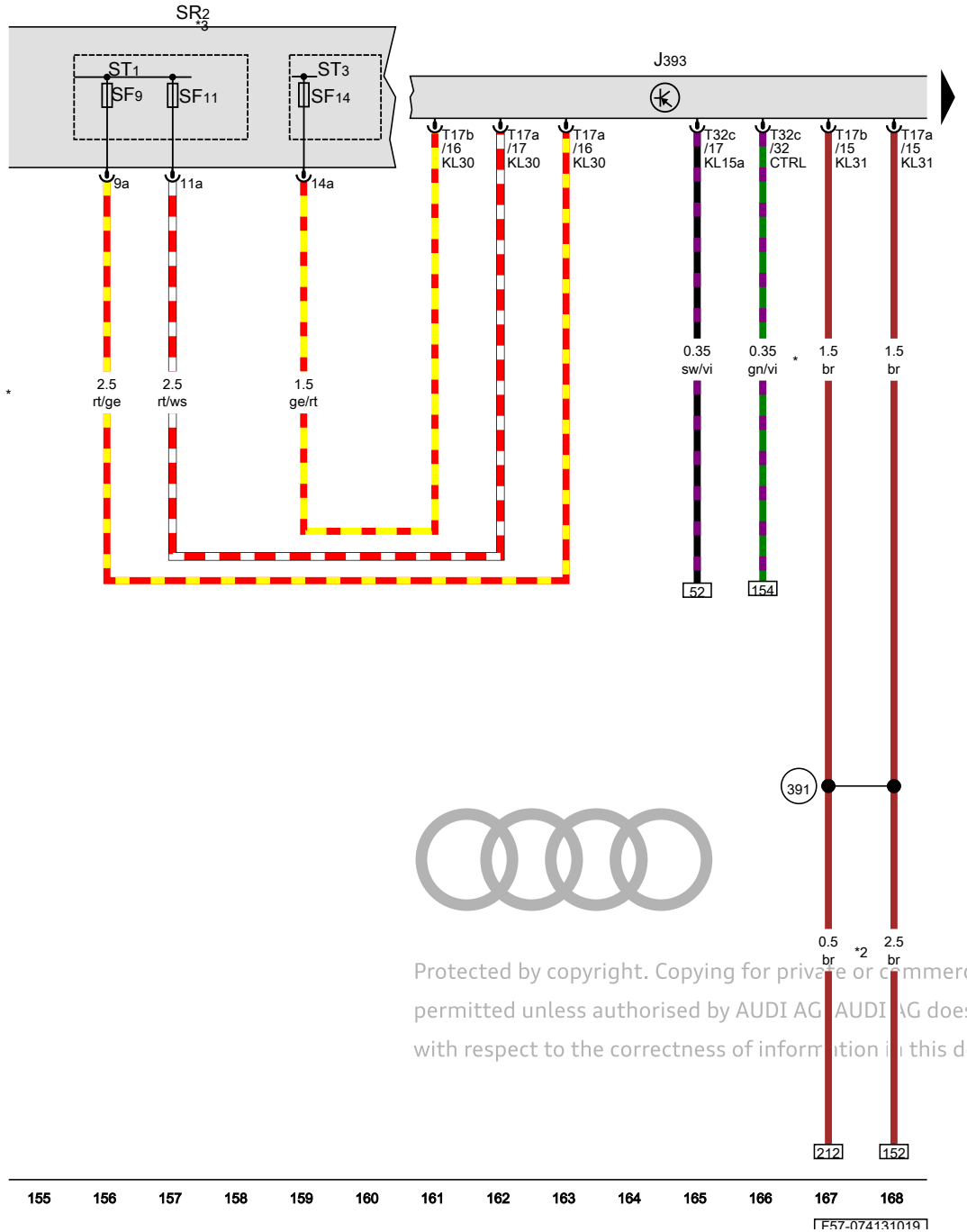

Convenience system central control unit, Relay and fuse carrier 2

J393	Convenience system central control unit
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
ST3	Fuse carrier 3
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
391	Earth connection 26, in main wiring harness
*	Coupé
*2	Up to September 2019
*3	see applicable current flow diagram for fuse assignment

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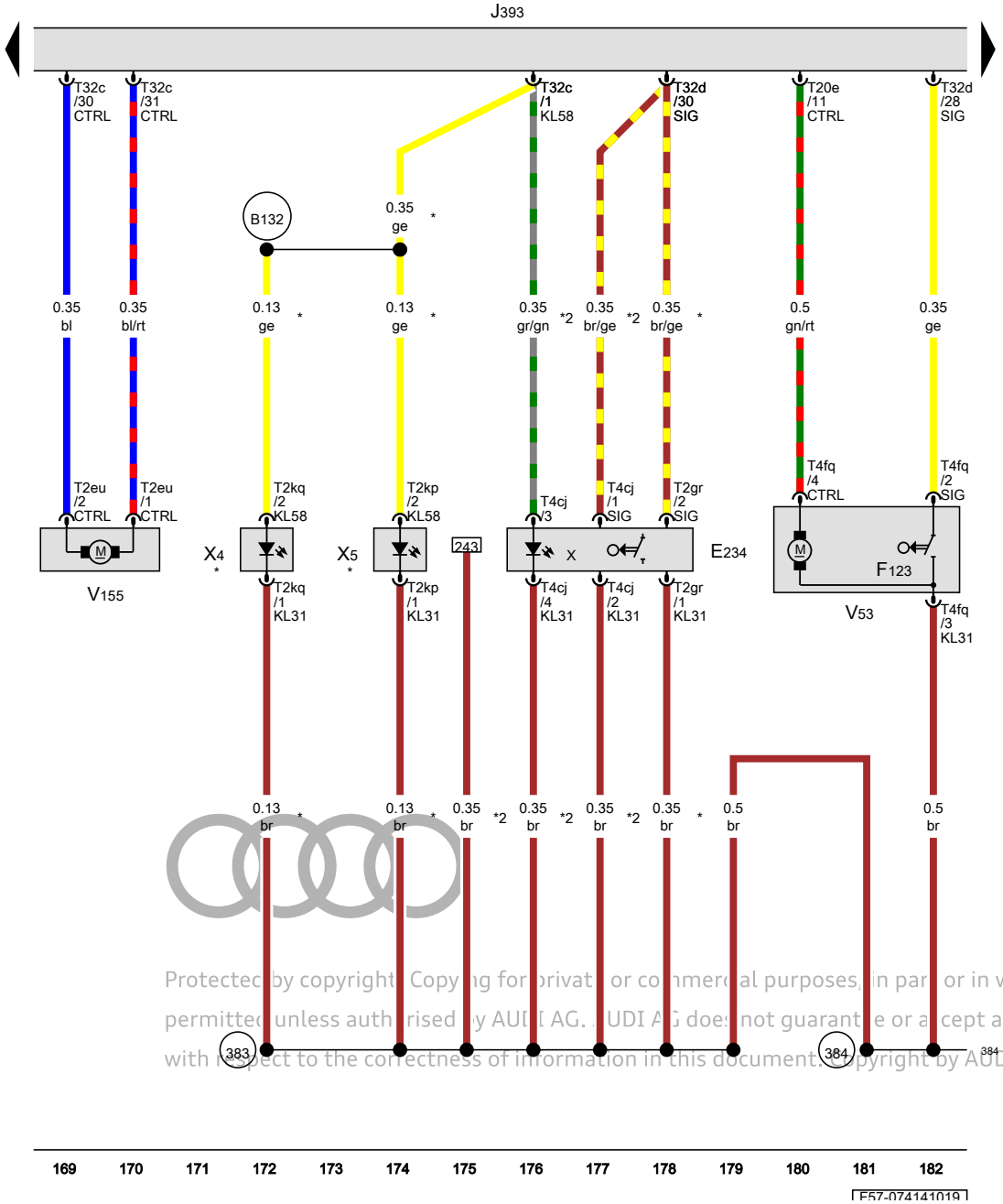

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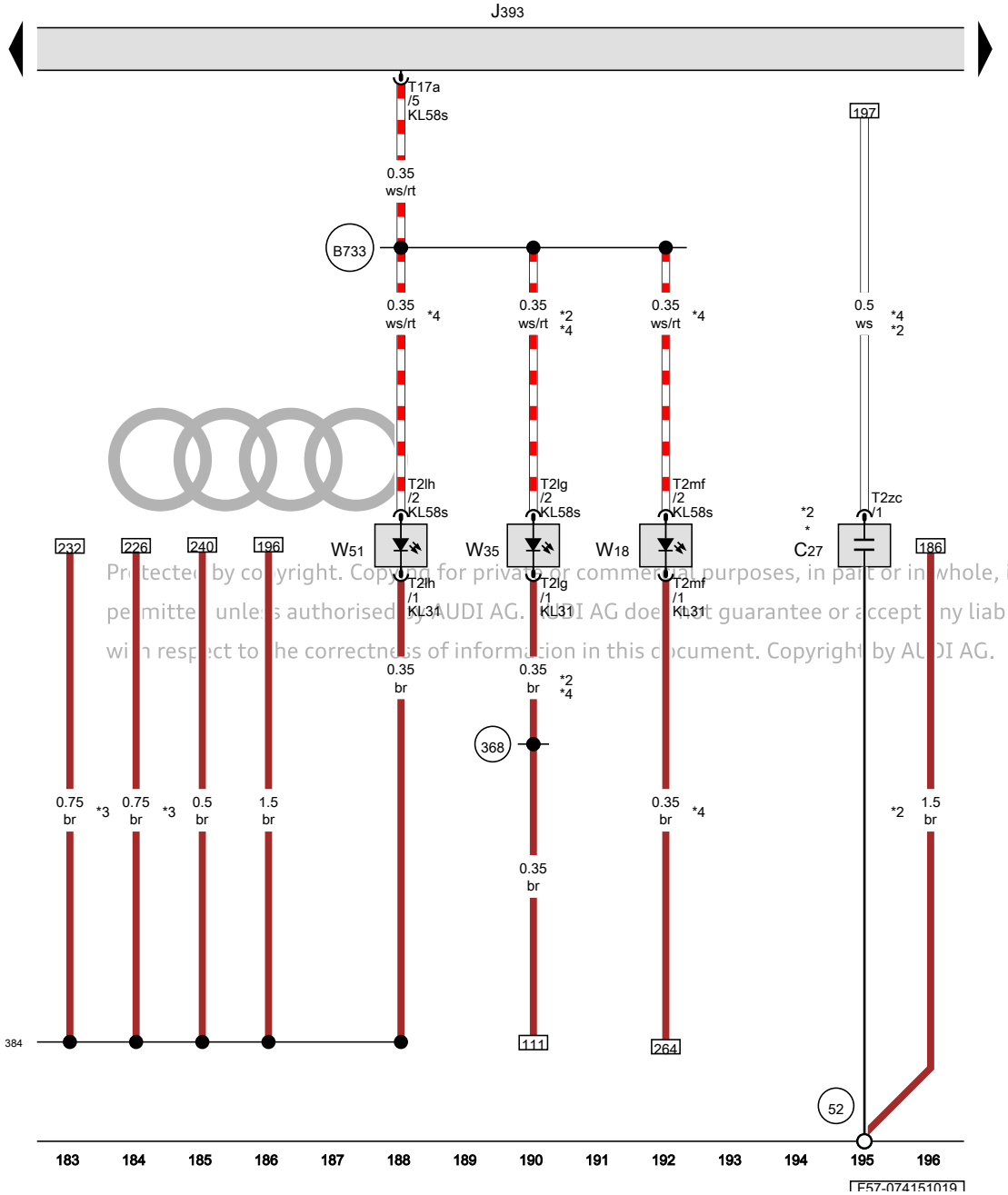
Rear lid handle release button, Rear lid contact switch for anti-theft alarm, Convenience system central control unit, Rear lid central locking motor, Tank filler flap locking motor, Number plate light, Left number plate light, Right number plate light

E234	Rear lid handle release button
F123	Rear lid contact switch for anti-theft alarm
J393	Convenience system central control unit
T2eu	2-pin connector, black
T2gr	2-pin connector, black
T2kp	2-pin connector, black
T2kq	2-pin connector, black
T4cj	4-pin connector, black
T4fq	4-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, colourless
T32d	32-pin connector, blue
V53	Rear lid central locking motor
V155	Tank filler flap locking motor
X	Number plate light
X4	Left number plate light
X5	Right number plate light
383	Earth connection 18, in main wiring harness
384	Earth connection 19, in main wiring harness
B132	Connection (number plate lights), in interior wiring harness
*	Coupé
*2	For Cabriolet models



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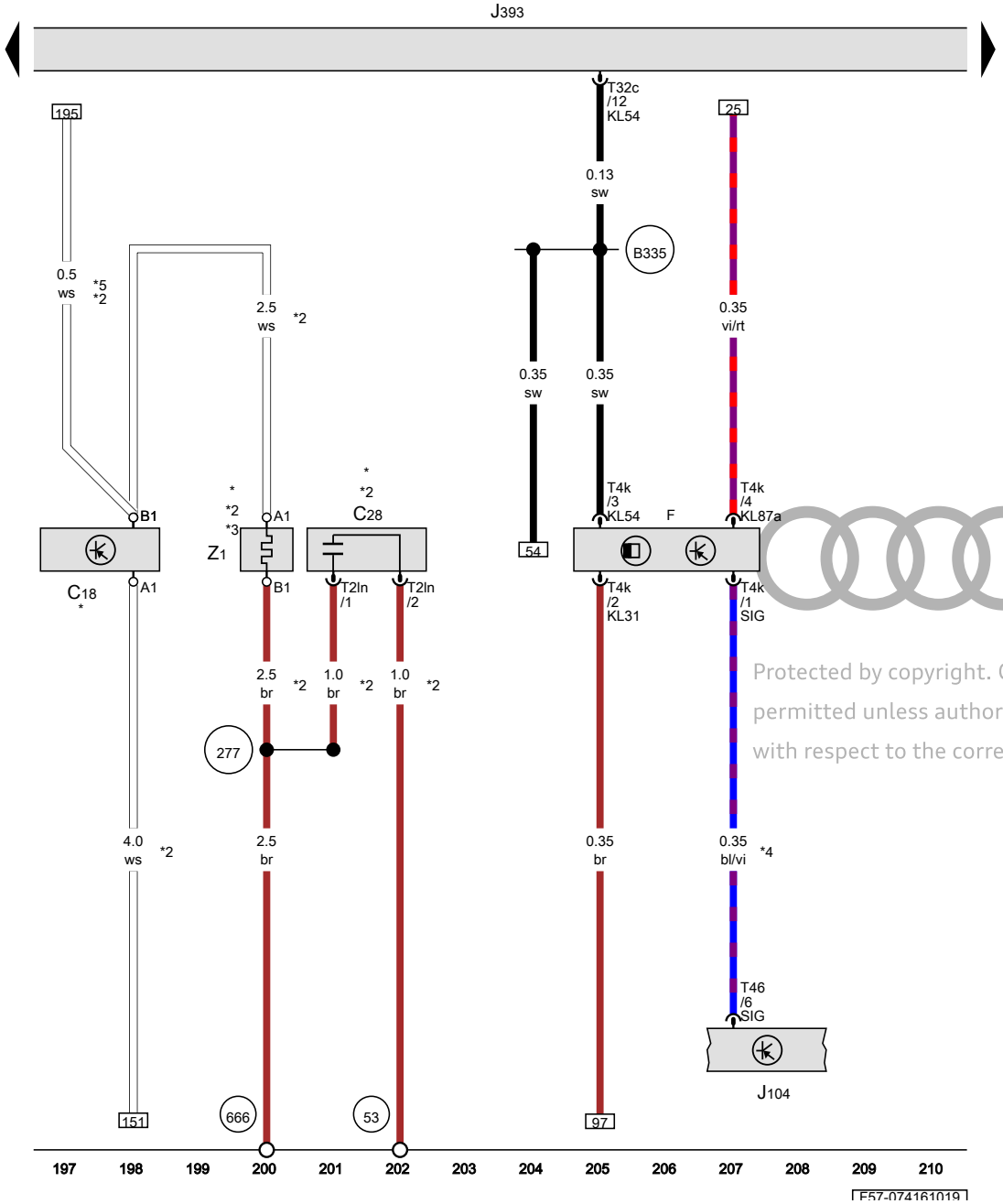
Suppression filter for heated rear window, Convenience system central control unit, Left luggage compartment light, Right luggage compartment light, Rear lid light

C27	Suppression filter for heated rear window
J393	Convenience system central control unit
T2lg	2-pin connector, black
T2lh	2-pin connector, black
T2mf	2-pin connector, black
T2zc	2-pin connector, black
T17a	17-pin connector, brown
W18	Left luggage compartment light
W35	Right luggage compartment light
W51	Rear lid light
52	Earth point, on left in rear lid
368	Earth connection 3, in main wiring harness
384	Earth connection 19, in main wiring harness
B733	Connection 3 (58s), in main wiring harness
*	If fitted
*2	Coupé
*3	Up to September 2019
*4	Cross section depends on equipment



Window aerial suppression filter, Brake light switch, Convenience system central control unit, Heated rear window

C18	Window aerial suppression filter
C28	Suppression filter 2 for heated rear window
F	Brake light switch
J104	ABS control unit
J393	Convenience system central control unit
T2ln	2-pin connector, black
T4k	4-pin connector, black
T32c	32-pin connector, colourless
T46	46-pin connector, black
Z1	Heated rear window
53	Earth point, on right in rear lid
277	Earth connection 3, in interior wiring harness
666	Earth point, on rear right of roof
B335	Connection 1 (54), in main wiring harness
*	see applicable current flow diagram for convertible roof
*2	Coupé
*3	Pre-wired component
*4	For models with 48 V hybrid system
*5	Cross section depends on equipment

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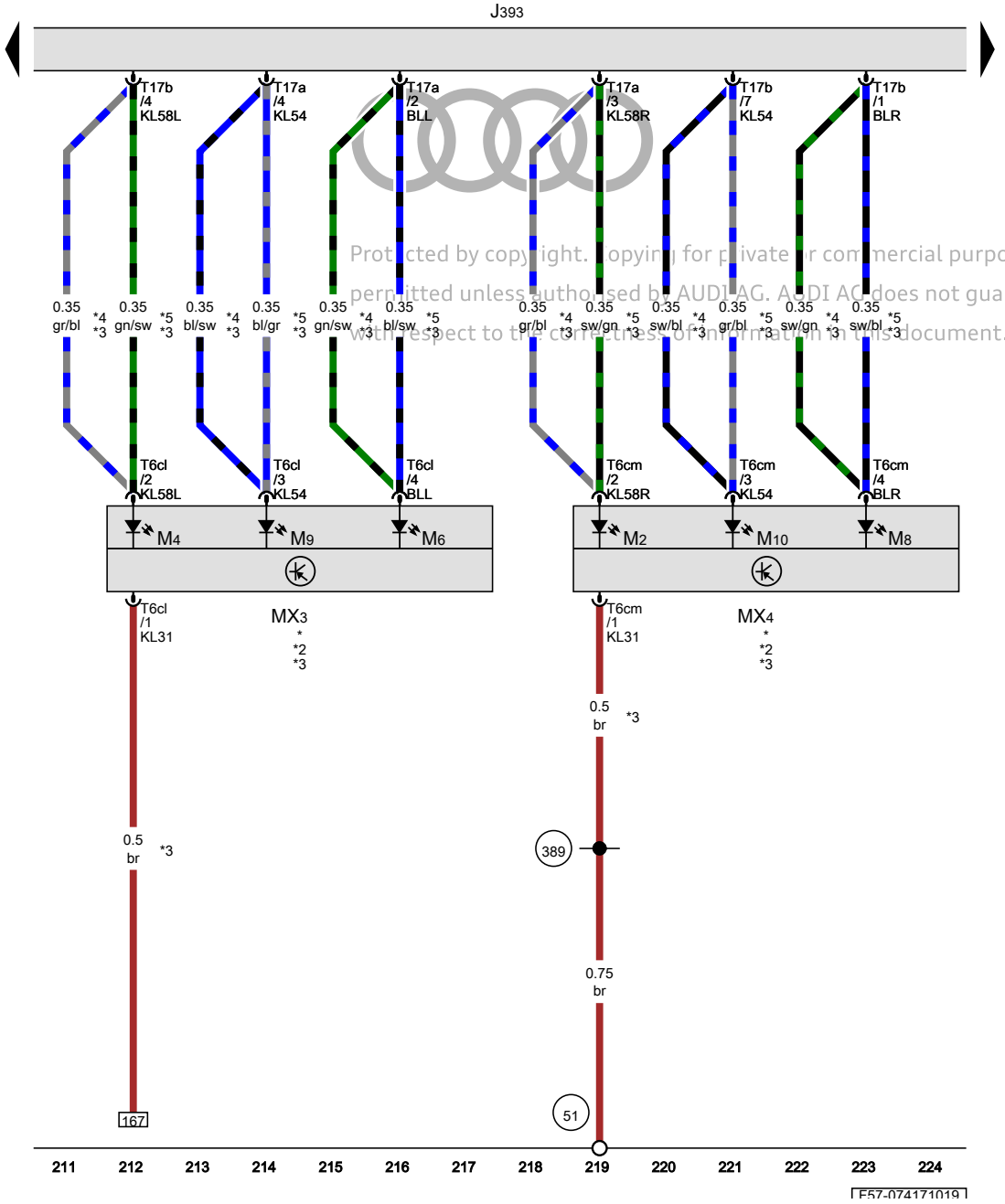

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Convenience system central control unit, Left tail light cluster, Right tail light cluster

J393	Convenience system central control unit
M2	Right tail light bulb
MX3	Left tail light cluster
M4	Left tail light bulb
MX4	Right tail light cluster
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M9	Left brake light bulb
M10	Right brake light bulb
T6cl	6-pin connector, black
T6cm	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
51	Earth point, on right in luggage compartment
389	Earth connection 24, in main wiring harness
*	Not for American markets
*2	see applicable current flow diagram for tail light clusters
*3	Up to September 2019
*4	For Cabriolet models
*5	Coupé

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rt	=	red
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gn	=	green
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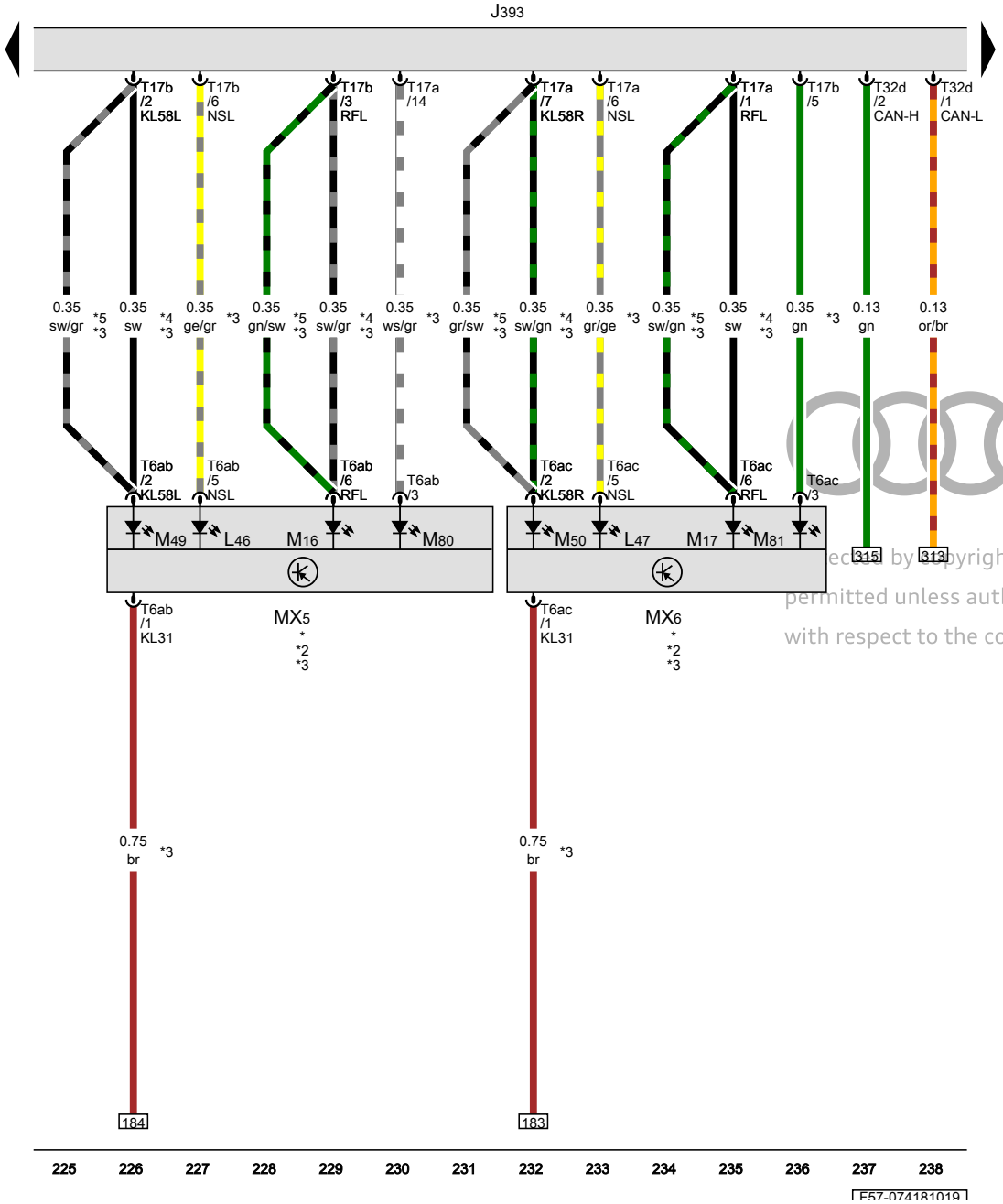

Convenience system central control unit, Left tail light cluster 2, Right tail light cluster 2

J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
MX5	Left tail light cluster 2
MX6	Right tail light cluster 2
M16	Left reversing light bulb
M17	Right reversing light bulb
M49	Left tail light bulb 2
M50	Right tail light bulb 2
M80	Bulb 2 for rear left turn signal
M81	Bulb 2 for rear right turn signal
T6ab	6-pin connector, black
T6ac	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32d	32-pin connector, blue
*	Not for American markets
*2	see applicable current flow diagram for tail light clusters
*3	Up to September 2019
*4	Coupé
*5	For Cabriolet models

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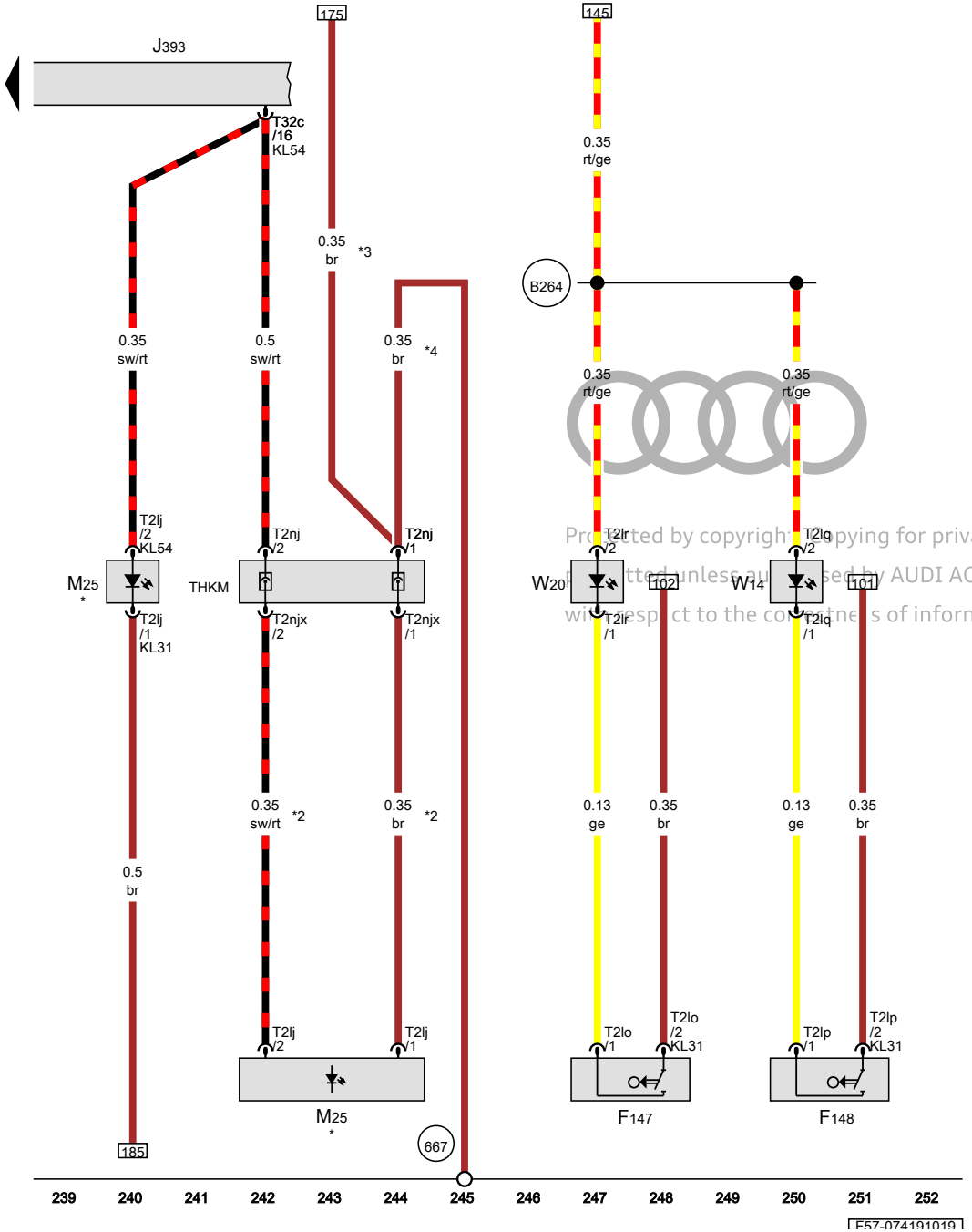

Driver vanity mirror contact switch, Front passenger vanity mirror contact switch, Convenience system central control unit, High-level brake light bulb, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror

F147	Driver vanity mirror contact switch
F148	Front passenger vanity mirror contact switch
J393	Convenience system central control unit
M25	High-level brake light bulb
T2lj	2-pin connector, black
T2lo	2-pin connector, black
T2lp	2-pin connector, black
T2lq	2-pin connector, black
T2lr	2-pin connector, black
T2nj	2-pin connector, black
T2njx	2-pin connector, black
T32c	32-pin connector, colourless
THKM	Coupling point on rear lid, centre, on high-level brake light
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
667	Earth point, on rear left of roof
B264	Connection 1, in roof wiring harness
*	According to equipment
*2	Different wire colour possible
*3	For Cabriolet models
*4	Coupé

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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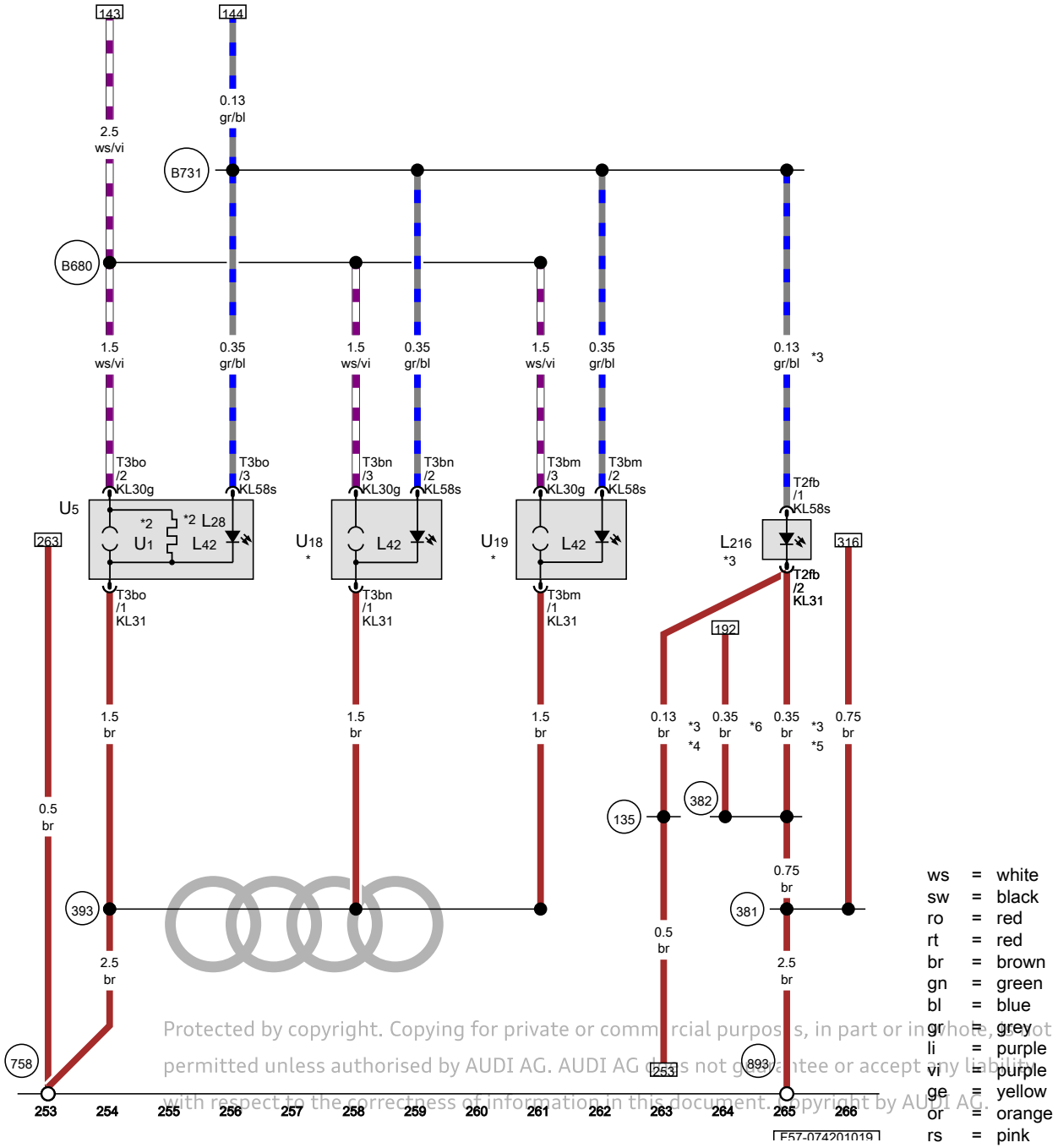

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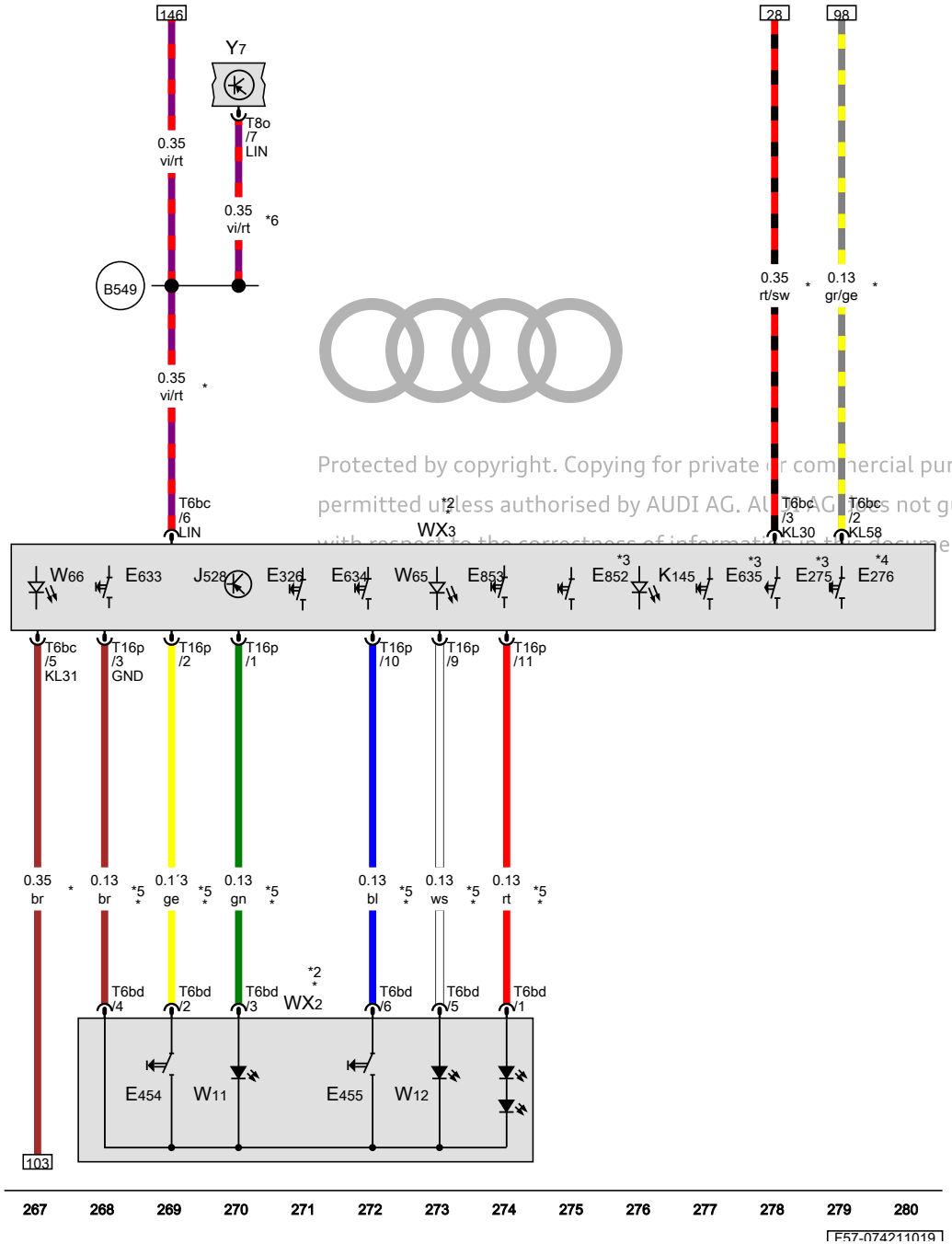
Rear vent illumination bulb, Cigarette lighter, 12 V socket, 12 V socket 2, 12 V socket 3

L28	Cigarette lighter illumination bulb
L42	Socket illumination bulb
L216	Rear vent illumination bulb, middle
T2fb	2-pin connector, black
T3bm	3-pin connector, black
T3bn	3-pin connector, black
T3bo	3-pin connector, black
U1	Cigarette lighter
U5	12 V socket
U18	12 V socket 2, in rear centre console
U19	12 V socket 3, in rear centre console
135	Earth connection 2, in dash panel wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
393	Earth connection 28, in main wiring harness
758	Earth point 3, on centre tunnel
893	Earth point 2, on left B-pillar
B680	Connection (electric socket), in interior wiring harness
B731	Connection 1 (58s), in main wiring harness
*	Pre-wired component
*2	For smoker version models
*3	According to equipment
*4	Up to October 2017
*5	From November 2017
*6	Cross section depends on equipment



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Front left reading light button, Front right reading light button, Warning lamp for airbag deactivated on front passenger side, Rear interior light, Front roof module, Front left reading light, Front right reading light

E275	Breakdown assistance call button
E276	Emergency assistance call button
E326	Front interior light button
E454	Rear left reading light button
E455	Rear right reading light button
E633	Front left reading light button
E634	Front right reading light button
E635	Front button for rear reading light
E852	Button for rear roof functions
E853	Button for automatic interior light functions
J528	Roof electronics control unit
K145	Warning lamp for airbag deactivated on front passenger side
T6bc	6-pin connector, black
T6bd	6-pin connector, black
T8o	8-pin connector, black
T16p	16-pin connector, brown
WX2	Rear interior light, middle
WX3	Front roof module
W11	Rear left reading light
W12	Rear right reading light
W65	Front left reading light
W66	Front right reading light
Y7	Automatic anti-dazzle interior mirror
B549	Connection 2 (LIN bus) in main wiring harness
*	Coupé
*2	see applicable current flow diagram for convertible roof
*3	For models with panoramic sliding sunroof
*4	According to equipment
*5	Adapter wire
*6	For models with no main beam assist

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
li	=	purple
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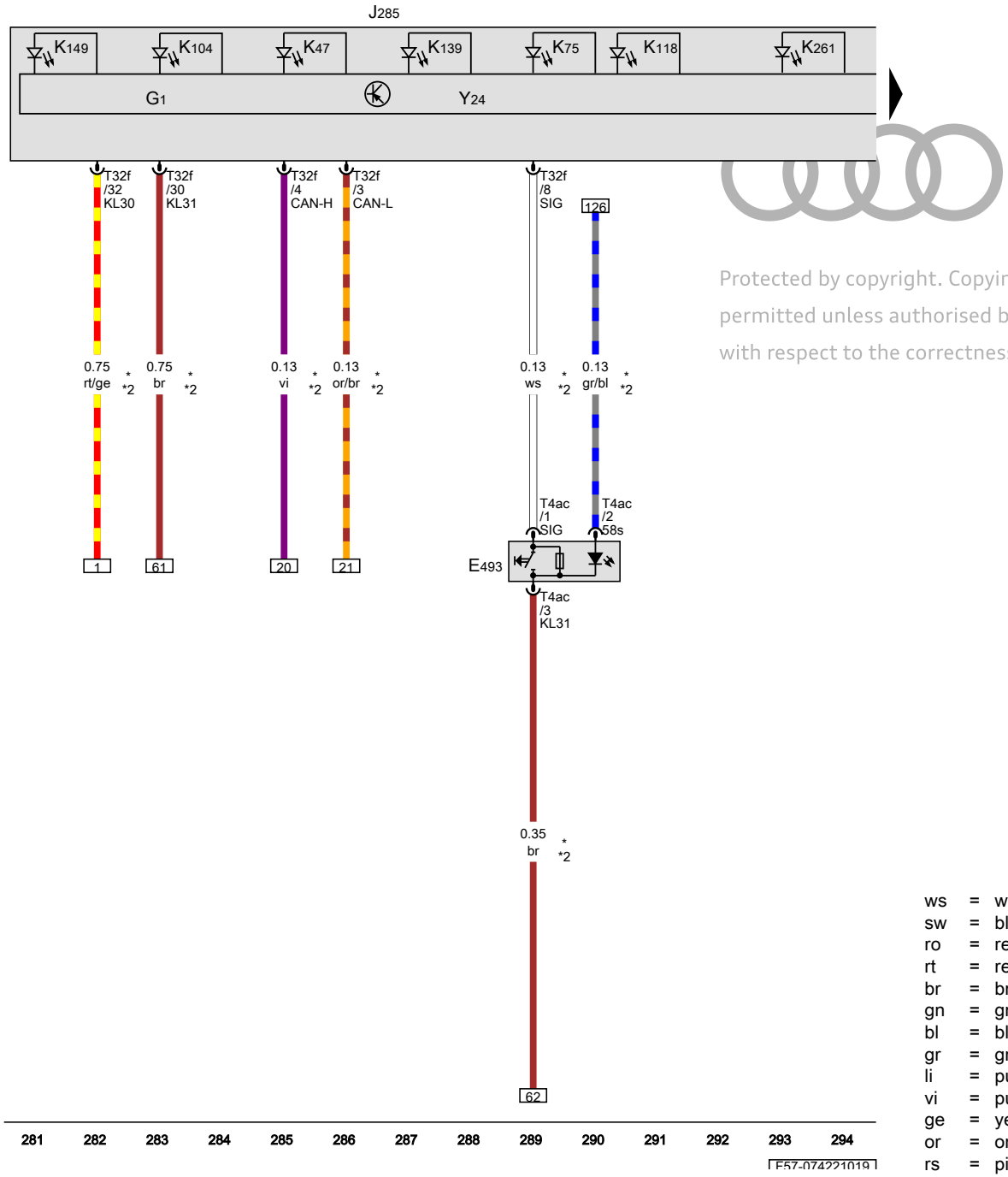

Dash panel insert operating button, Control unit in dash panel insert, Display in dash panel insert

E493	Dash panel insert operating button
G1	Fuel gauge
J285	Control unit in dash panel insert
K47	ABS warning lamp
K75	Airbag warning lamp
K104	Diesel electronics warning lamp
K118	Brake system warning lamp
K139	Handbrake warning lamp
K149	Engine electronics warning lamp
K261	Warning lamp for left turn signal
T4ac	4-pin connector, black
T32f	32-pin connector, grey
Y24	Display in dash panel insert
*	Up to September 2019
*2	see applicable current flow diagram for dash panel insert

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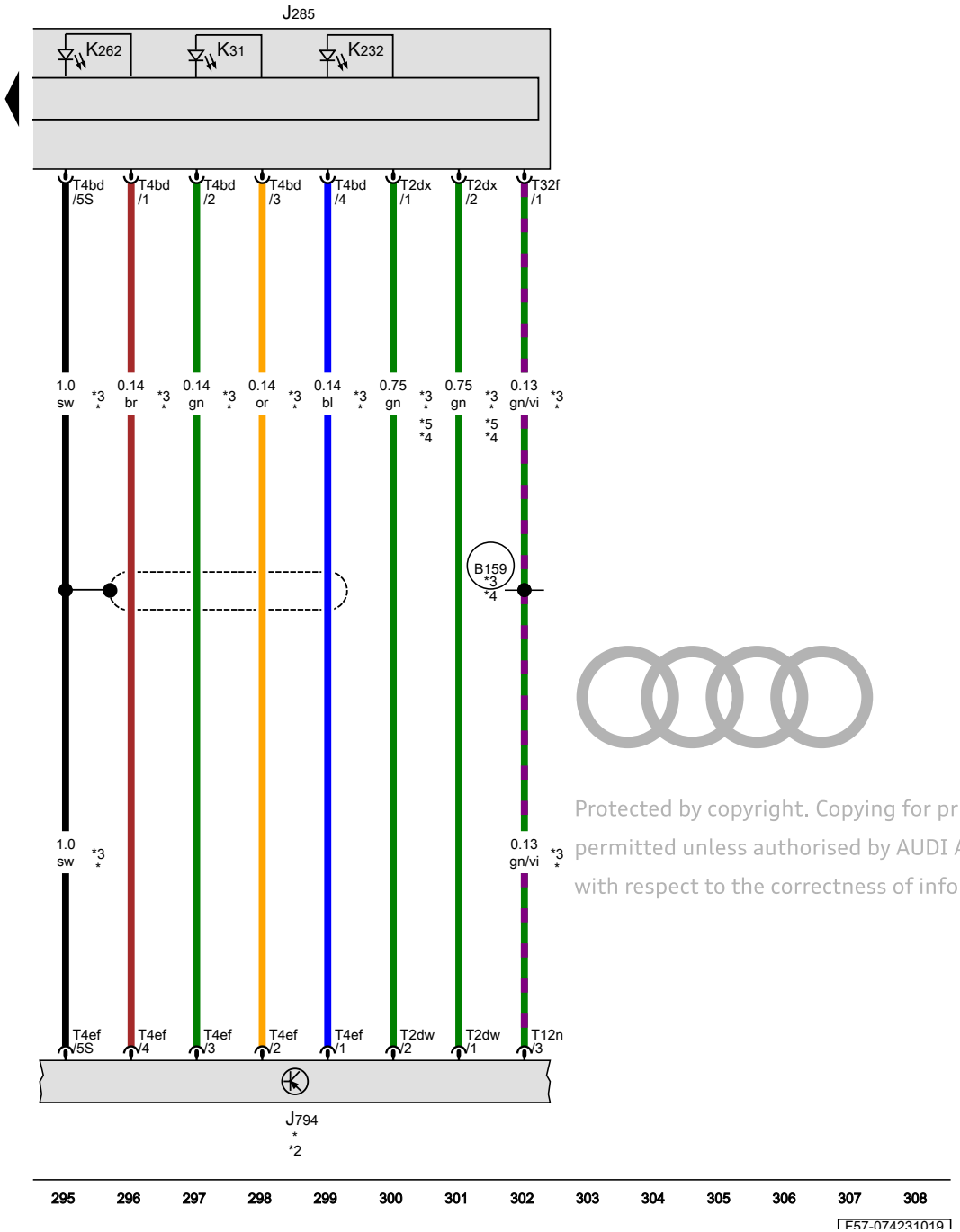

Control unit in dash panel insert, Control unit 1 for information electronics

J285	Control unit in dash panel insert
J794	Control unit 1 for information electronics
K31	Cruise control system warning lamp
K232	Lane change assist warning lamp
K262	Warning lamp for right turn signal
T2dw	2-pin connector, black
T2dx	2-pin connector, black
T4bd	4-pin connector, black
T4ef	4-pin connector, yellow
T12n	12-pin connector, grey
T32f	32-pin connector, grey
B159	Connection (diagnosis), in interior wiring harness
*	see applicable current flow diagram for dash panel insert
*2	see applicable current flow diagram for MMI (information electronics)
*3	Up to September 2019
*4	see applicable current flow diagram for infotainment MOST bus
*5	Fibre optic cable (FOC)

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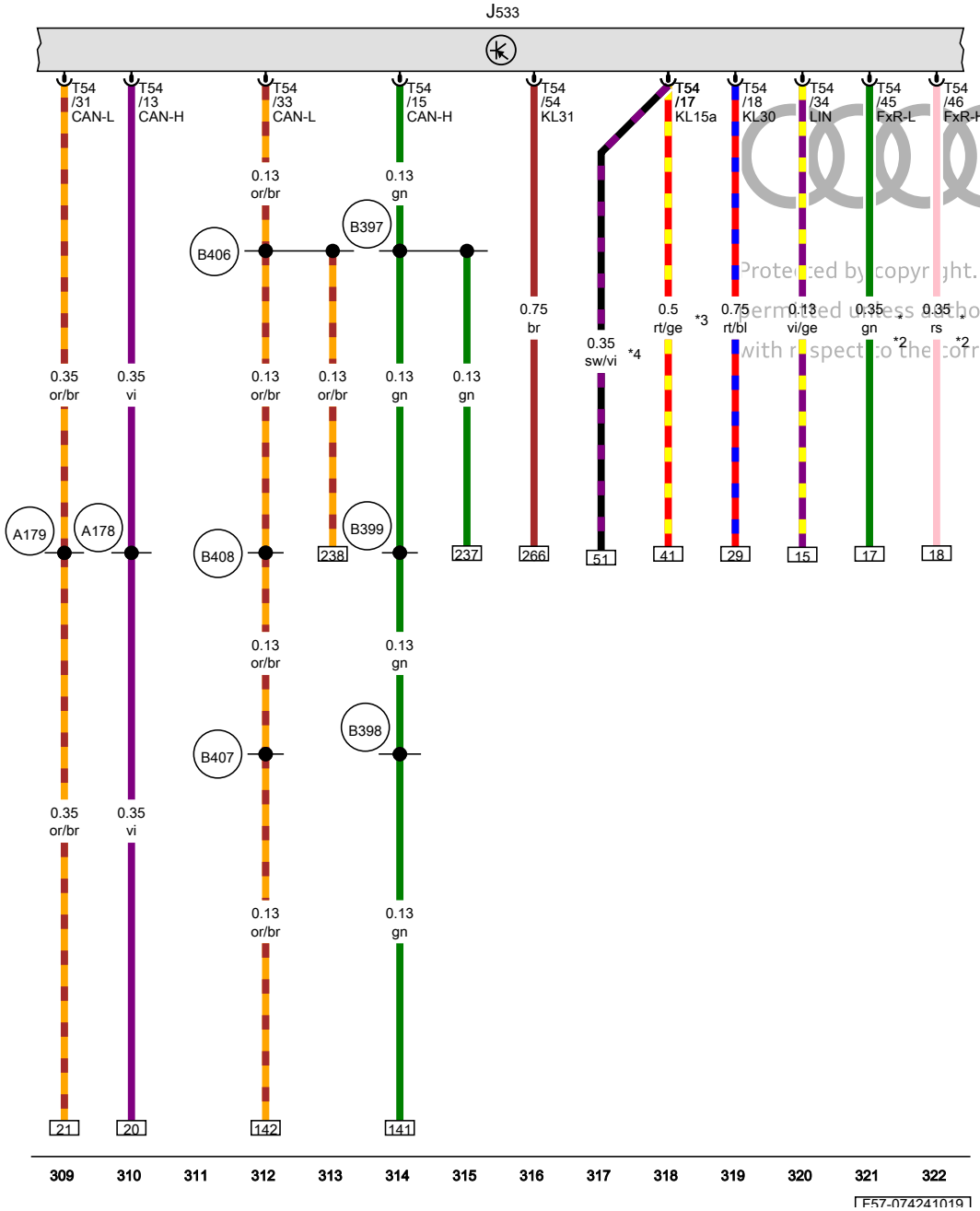

Data bus diagnostic interface

J533	Data bus diagnostic interface
T54	54-pin connector, black
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	Data bus wire (FlexRay bus)
*2	see applicable current flow diagram for data bus network
*3	Gradually discontinued
*4	gradual introduction

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Basic equipment, right-hand drive , (L0R)

From July 2016

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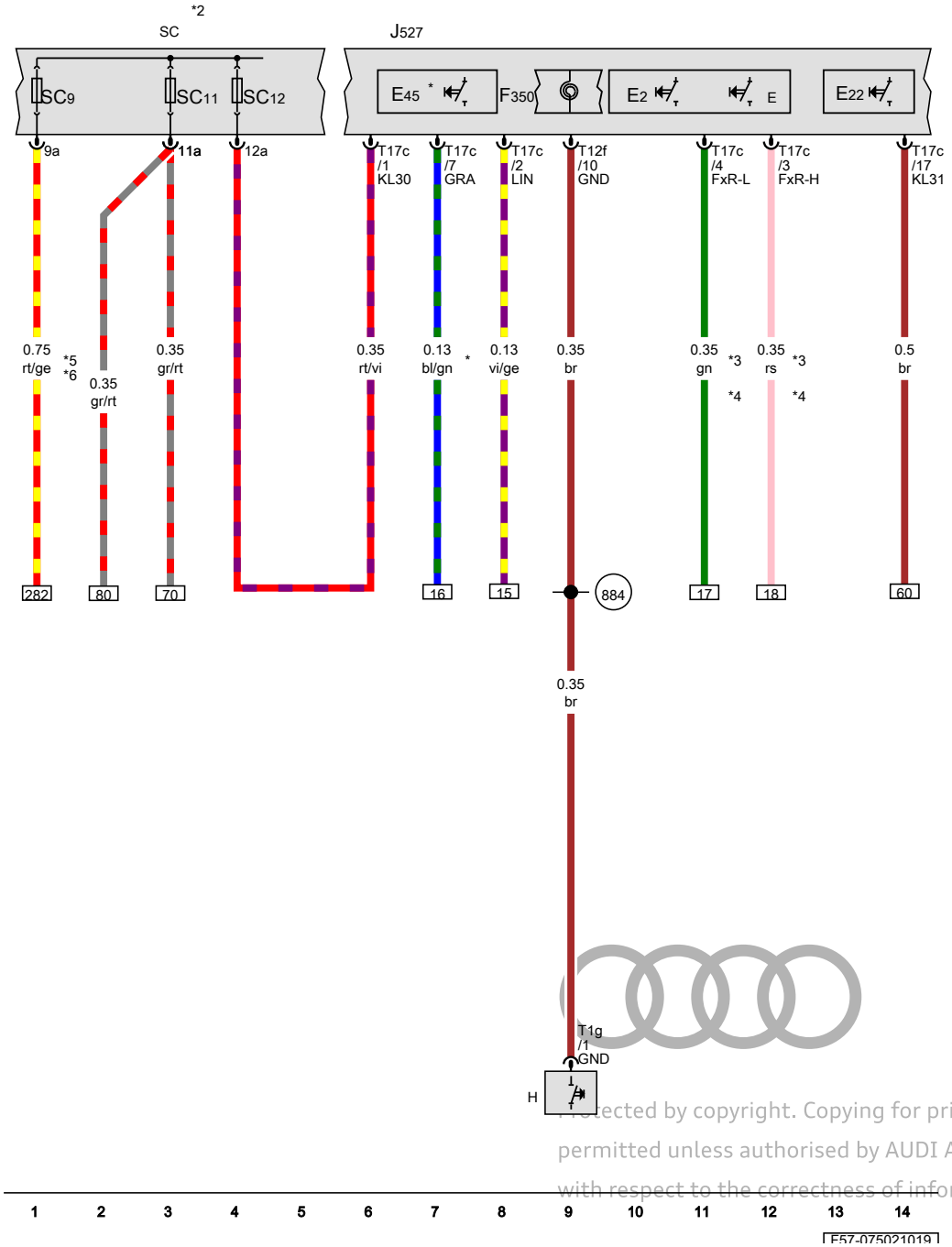

Windscreen wiper switch, Turn signal switch, Intermittent wiper switch, Cruise control system switch, Horn plate, Steering column electronics control unit, Fuse holder C

E	Windscreen wiper switch
E2	Turn signal switch
E22	Intermittent wiper switch
E45	Cruise control system switch
F350	Coil connector
H	Horn plate
J527	Steering column electronics control unit
SC	Fuse holder C
SC9	Fuse 9 on fuse holder C
SC11	Fuse 11 on fuse holder C
SC12	Fuse 12 on fuse holder C
T1g	1-pin connector, black
T12f	12-pin connector, black
T17c	17-pin connector, yellow
884	Earth connection 1 in steering wheel wiring harness
*	For models with cruise control system (CCS)
*2	see applicable current flow diagram for fuse assignment
*3	Data bus wire (FlexRay bus)
*4	see applicable current flow diagram for data bus network
*5	Up to September 2019
*6	see applicable current flow diagram for dash panel insert

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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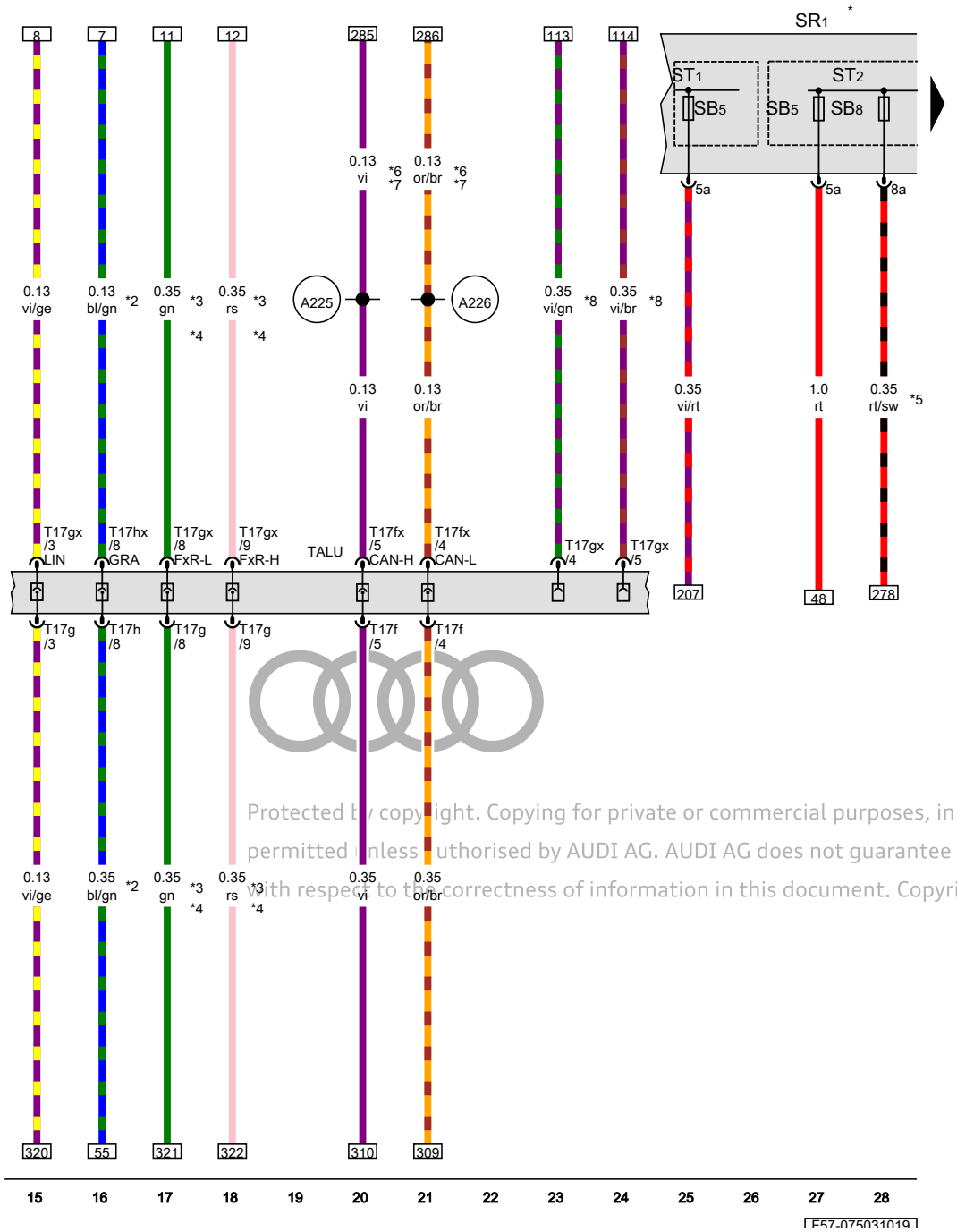

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Relay and fuse carrier 1, Coupling point on left A-pillar, bottom

SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
ST2	Fuse carrier 2, red
SB5	Fuse 5 on fuse holder B
SB8	Fuse 8 on fuse holder B
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T17h	17-pin connector, white
T17hx	17-pin connector, white
TALU	Coupling point on left A-pillar, bottom
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with cruise control system (CCS)
*3	Data bus wire (FlexRay bus)
*4	see applicable current flow diagram for data bus network
*5	Coupé
*6	Up to September 2019
*7	see applicable current flow diagram for dash panel insert
*8	For American markets

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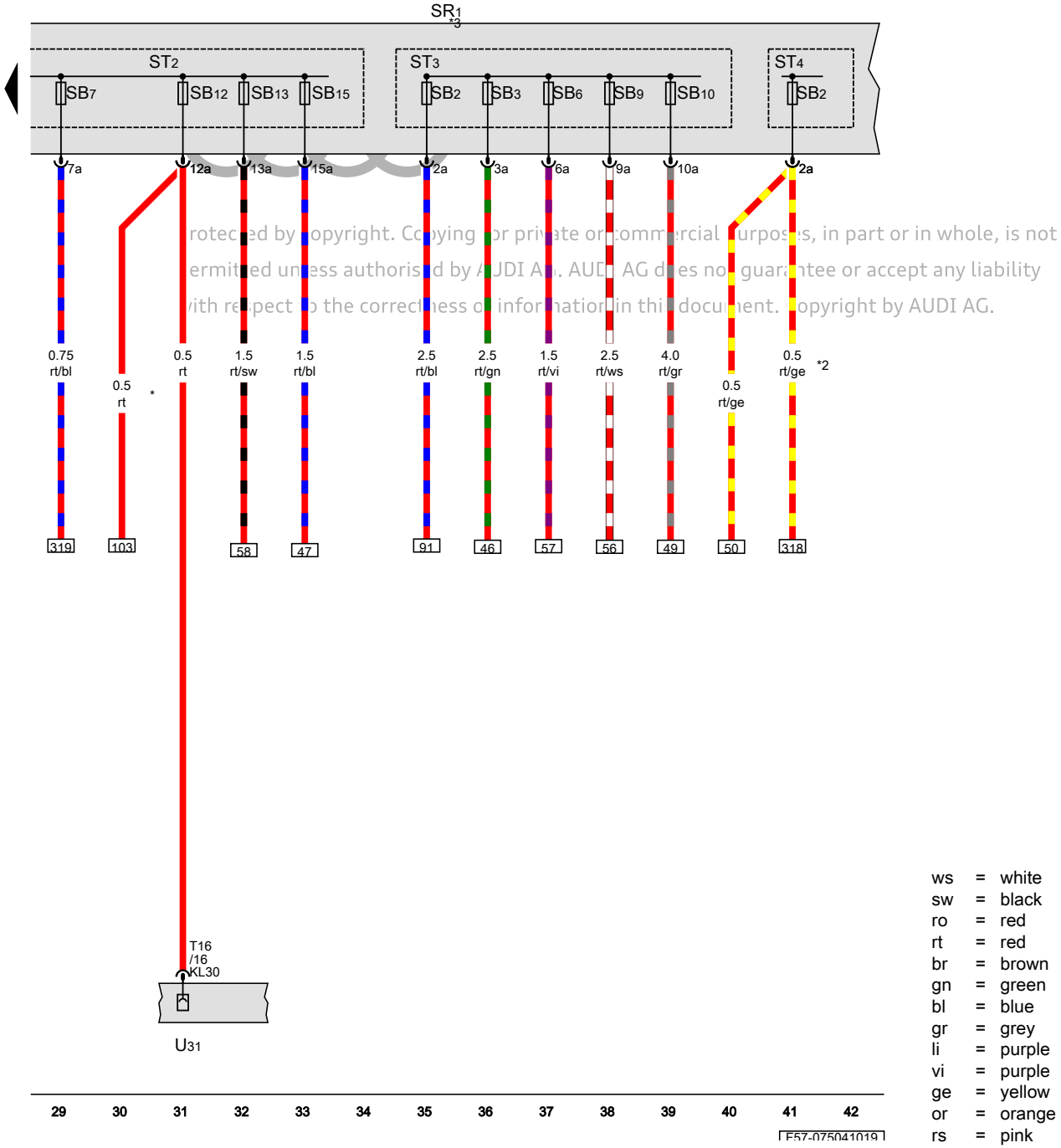

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Relay and fuse carrier 1, Diagnostic connection

SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
ST3	Fuse carrier 3, black
SB3	Fuse 3 on fuse holder B
ST4	Fuse carrier 4, black
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T16	16-pin connector, black
U31	Diagnostic connection
*	For models with no main beam assist
*2	Gradually discontinued
*3	see applicable current flow diagram for fuse assignment

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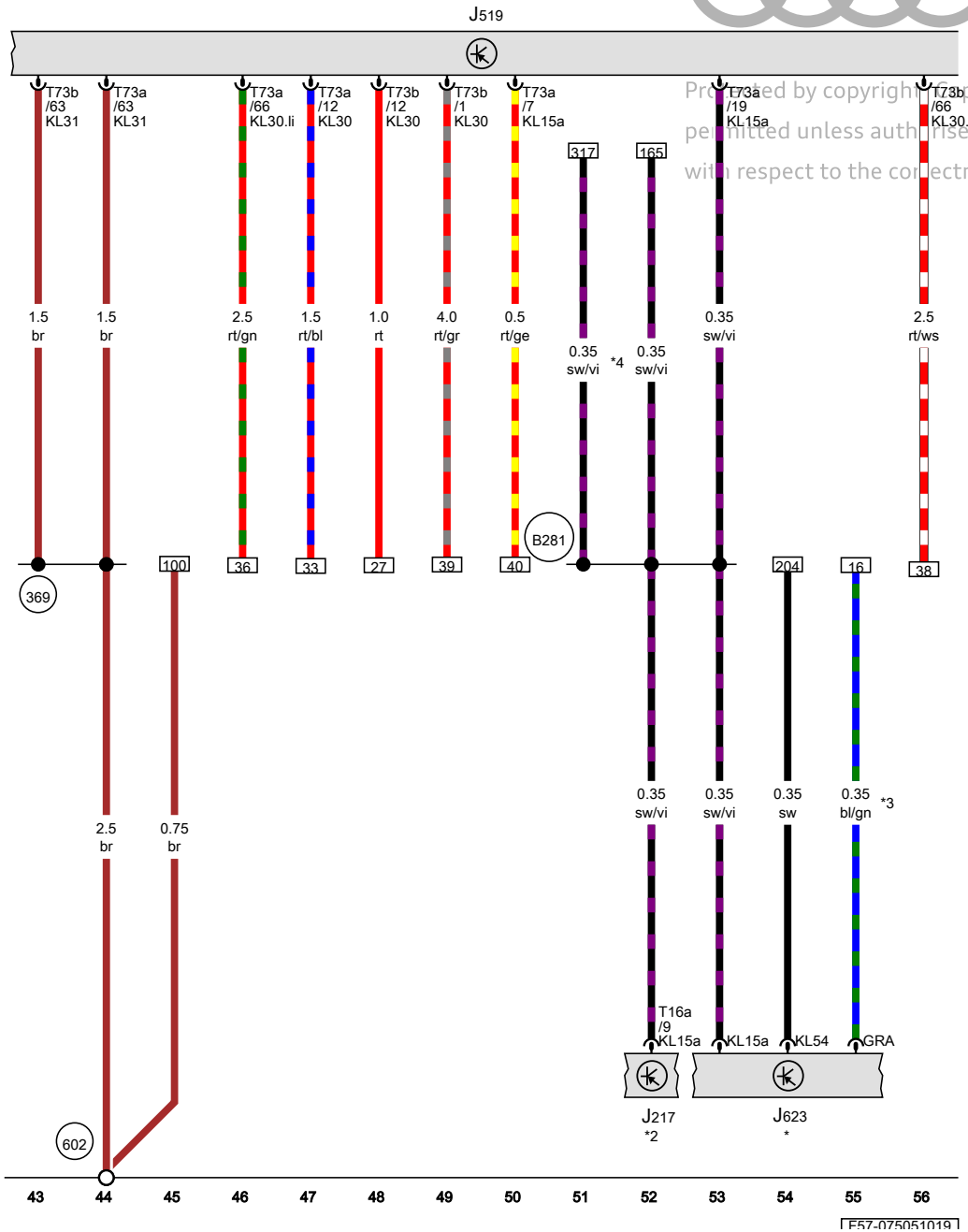

Automatic gearbox control unit, Onboard supply control unit, Engine/motor control unit

J217	Automatic gearbox control unit
J519	Onboard supply control unit
J623	Engine/motor control unit
T16a	16-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
369	Earth connection 4, in main wiring harness
602	Earth point, in front left footwell
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for engine
*2	According to equipment
*3	For models with cruise control system (CCS)
*4	gradual introduction

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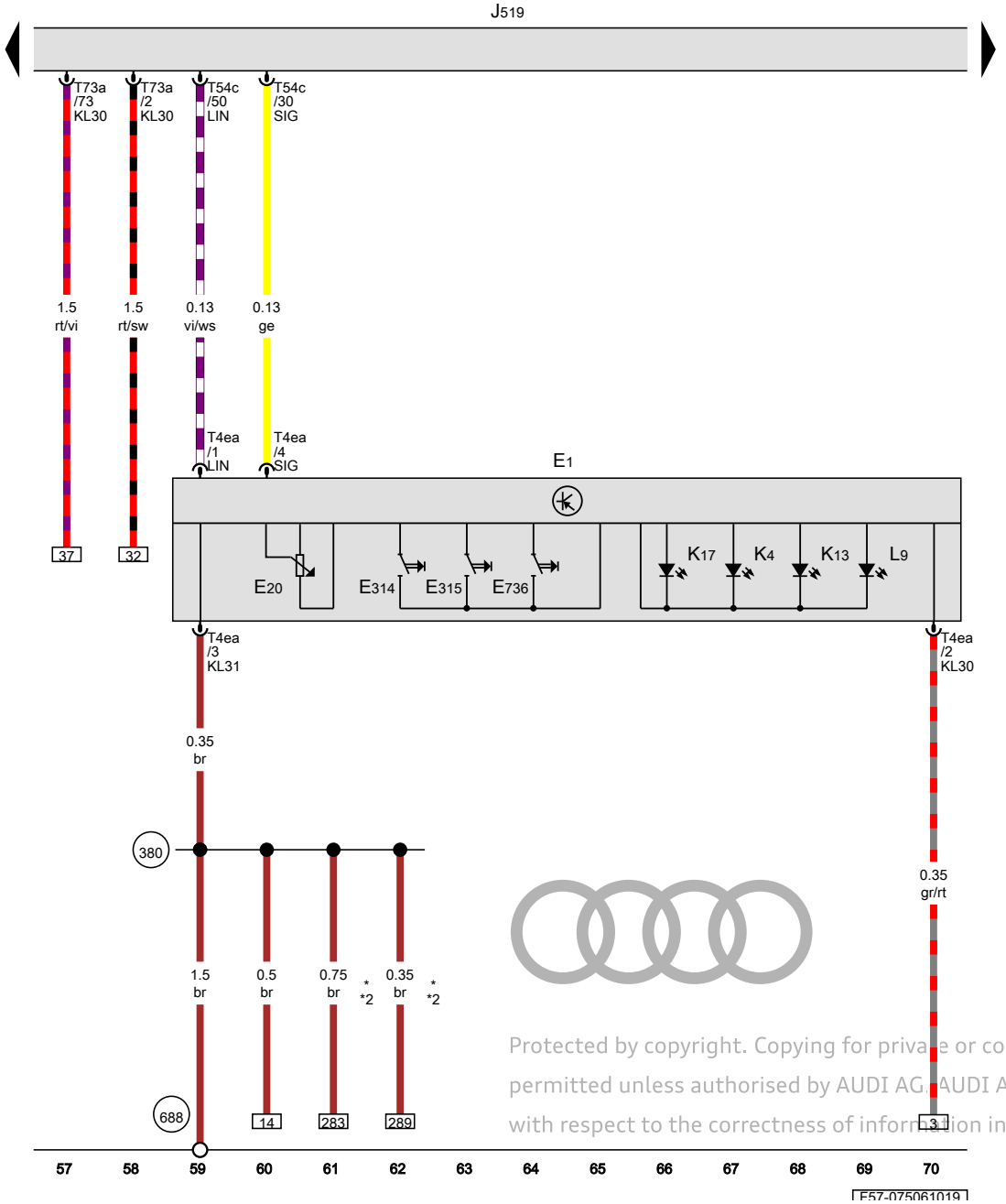

Light switch, Onboard supply control unit

E1	Light switch
E20	Switch and instrument illumination regulator
E314	Rear fog light button
E315	Fog light button
E736	Switch for head-up display
J519	Onboard supply control unit
K4	Side light warning lamp
K13	Rear fog light warning lamp
K17	Fog light warning lamp
L9	Light switch illumination bulb
T4ea	4-pin connector, black
T54c	54-pin connector, black
T73a	73-pin connector, black
380	Earth connection 15, in main wiring harness
688	Earth point 2, on centre tunnel
*	Up to September 2019
*2	see applicable current flow diagram for dash panel insert

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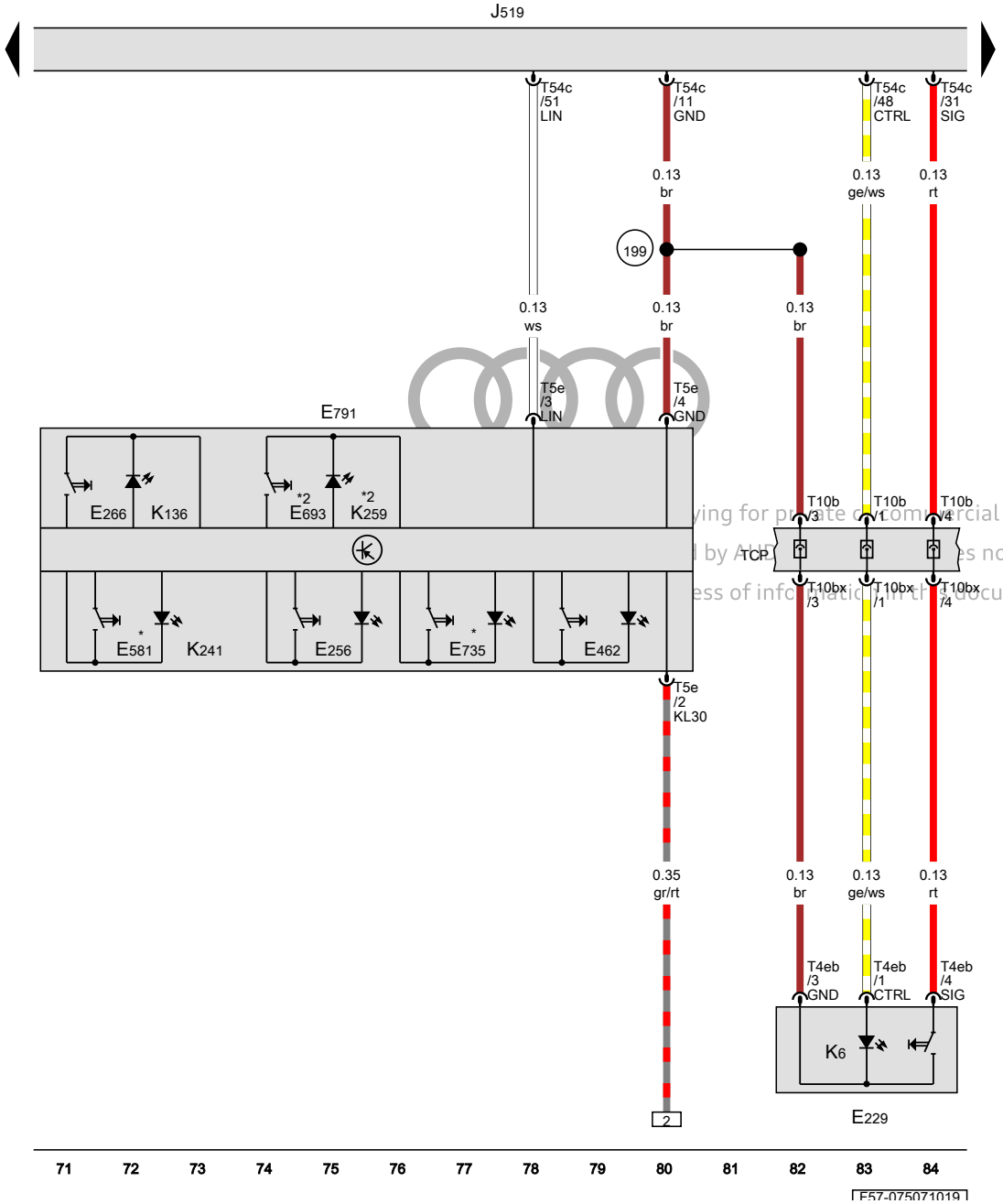

Hazard warning lights button, Operating unit 1 for driver and convenience functions, Onboard supply control unit

E229	Hazard warning lights button
E256	Button for TCS and electronic stabilisation program
E266	Parking aid button
E462	Open and close button for front display
E581	Park assist steering button
E693	Start/Stop operation button
E735	Driving mode selection button
E791	Operating unit 1 for driver and convenience functions
J519	Onboard supply control unit
K6	Indicator lamp for hazard warning light
K136	Parking aid warning lamp
K241	Warning light for park assist steering
K259	Start/Stop operation warning lamp
T4eb	4-pin connector, black
T5e	5-pin connector, brown
T10b	10-pin connector, black
T10bx	10-pin connector, black
T54c	54-pin connector, black
TCP	Coupling point on dash panel
199	Earth connection 3, in dash panel wiring harness
*	According to equipment
*2	For models with start/stop system

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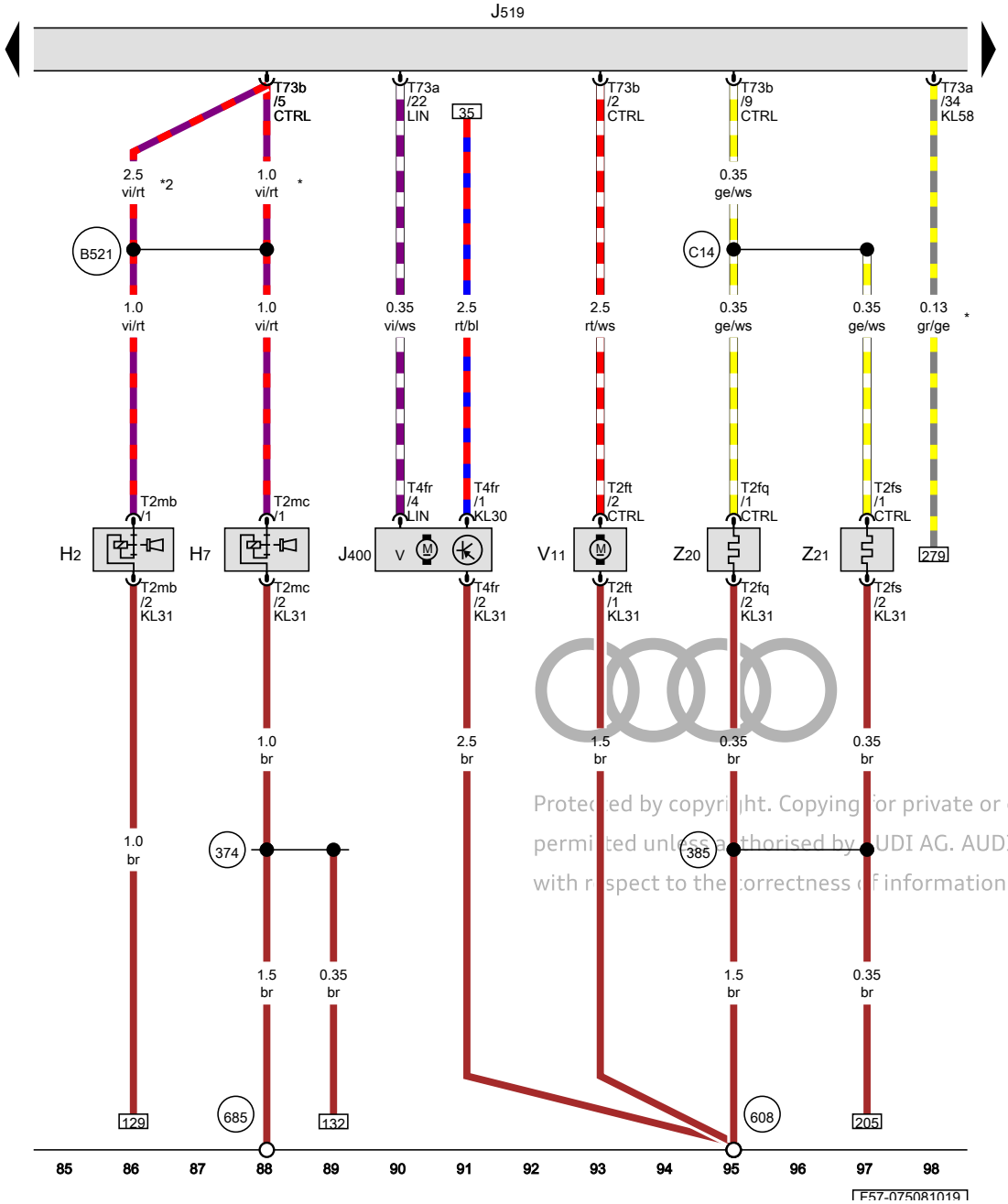

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Treble horn, Bass horn, Wiper motor control unit, Onboard supply control unit, Windscreen wiper motor, Headlight washer system pump, Left washer jet heater element, Right washer jet heater element

H2	Treble horn
H7	Bass horn
J400	Wiper motor control unit
J519	Onboard supply control unit
T2fq	2-pin connector, black
T2fs	2-pin connector, black
T2ft	2-pin connector, black
T2mb	2-pin connector, black
T2mc	2-pin connector, black
T4fr	4-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V	Windscreen wiper motor
V11	Headlight washer system pump
Z20	Left washer jet heater element
Z21	Right washer jet heater element
374	Earth connection 9, in main wiring harness
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
685	Earth point 1, on front of right longitudinal member
B521	Connection (dual tone horn), in main wiring harness
C14	Positive connection (15), in heated washer jet wiring harness
*	Coupé
*2	For Cabriolet models

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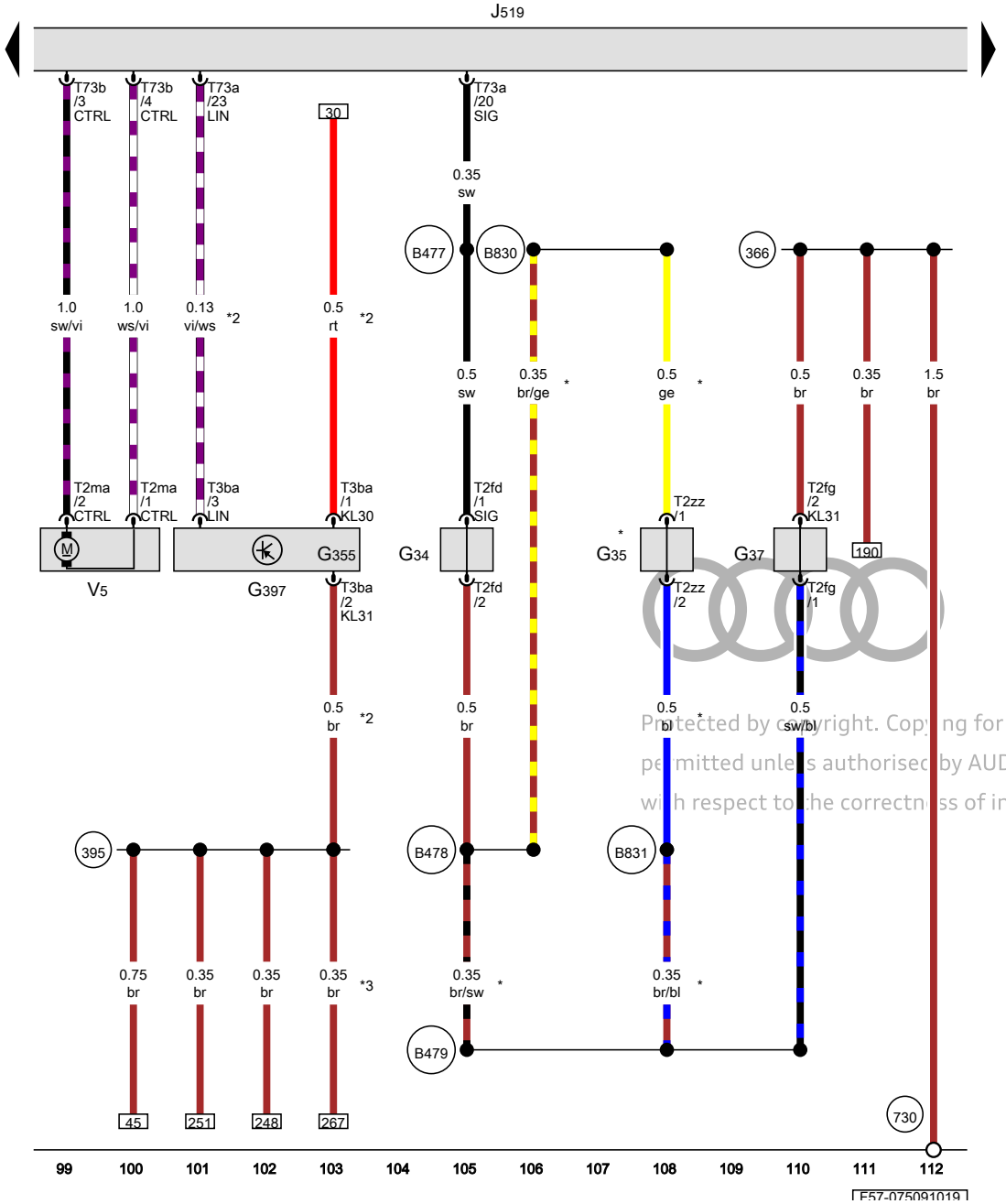

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Front left brake pad wear sender, Front right brake pad wear sender, Rear right brake pad wear sender, Rain and light sensor, Onboard supply control unit, Washer pump

G34	Front left brake pad wear sender
G35	Front right brake pad wear sender
G37	Rear right brake pad wear sender
G355	Humidity sender
G397	Rain and light sensor
J519	Onboard supply control unit
T2fd	2-pin connector, black
T2fg	2-pin connector, black
T2ma	2-pin connector, black
T2zz	2-pin connector, black
T3ba	3-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
V5	Washer pump
366	Earth connection 1, in main wiring harness
395	Earth connection 30, in main wiring harness
730	Earth point 1, on right rear wheel housing
B477	Connection 13, in main wiring harness
B478	Connection 14, in main wiring harness
B479	Connection 15, in main wiring harness
B830	Connection 5 (brake pad wear indicator), in main wiring harness
B831	Connection 6 (brake pad wear indicator), in main wiring harness
*	According to equipment
*2	For models with no main beam assist
*3	Coupé

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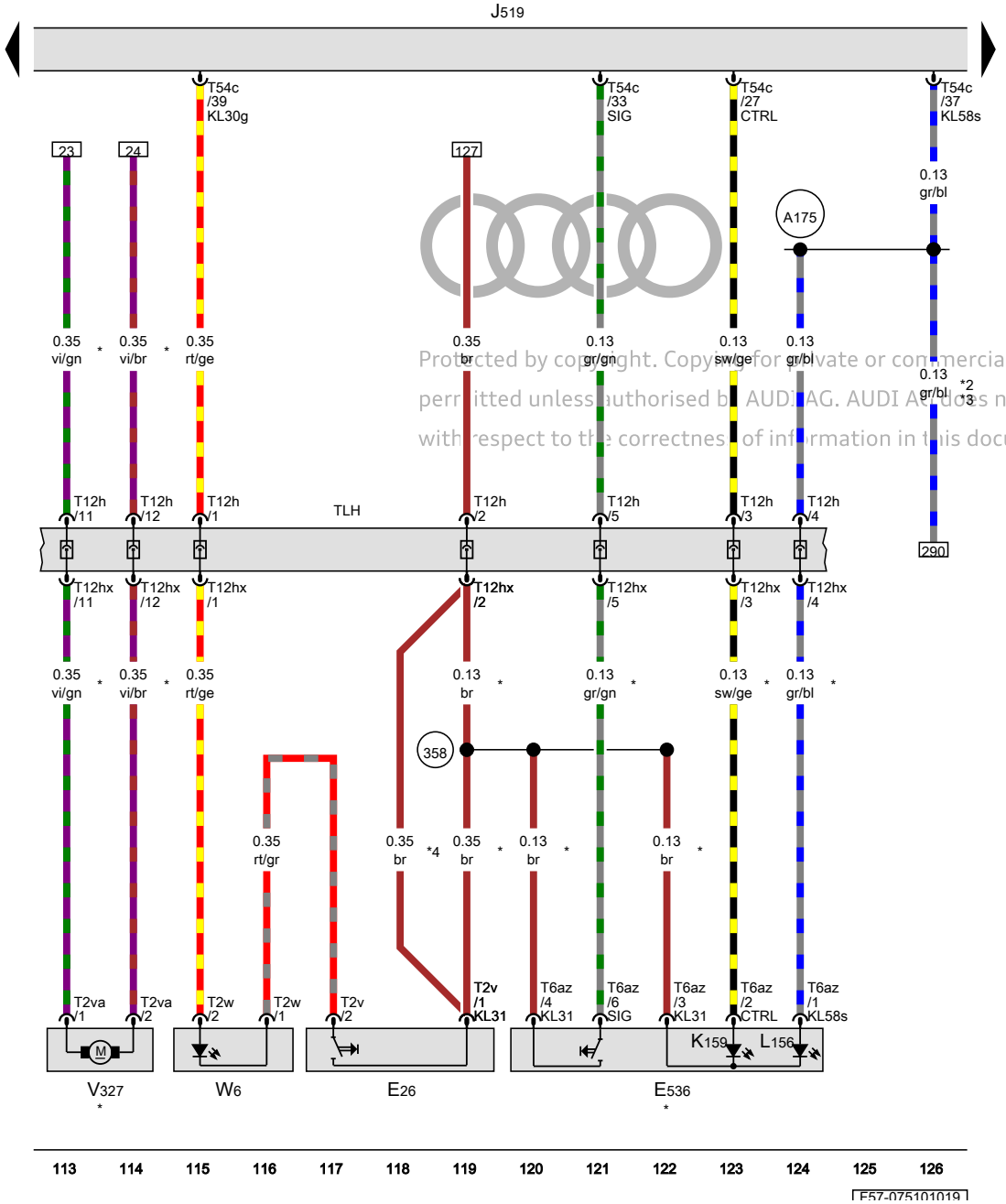
Glove compartment light switch, Onboard supply control unit, Valet parking warning lamp, Switch illumination bulb, Glove compartment release motor, Glove compartment light



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E26	Glove compartment light switch
E536	Valet parking button
J519	Onboard supply control unit
K159	Valet parking warning lamp
L156	Switch illumination bulb
T2v	2-pin connector, black
T2va	2-pin connector, black
T2w	2-pin connector, black
T6az	6-pin connector, red
T12h	12-pin connector, black
T12hx	12-pin connector, black
T54c	54-pin connector, black
TLH	Coupling point for glove compartment wiring harness
V327	Glove compartment release motor
W6	Glove compartment light
358	Earth connection, in glove compartment wiring harness
A175	Connection (58s), in dash panel wiring harness
*	For American markets
*2	Up to September 2019
*3	see applicable current flow diagram for dash panel insert
*4	According to equipment

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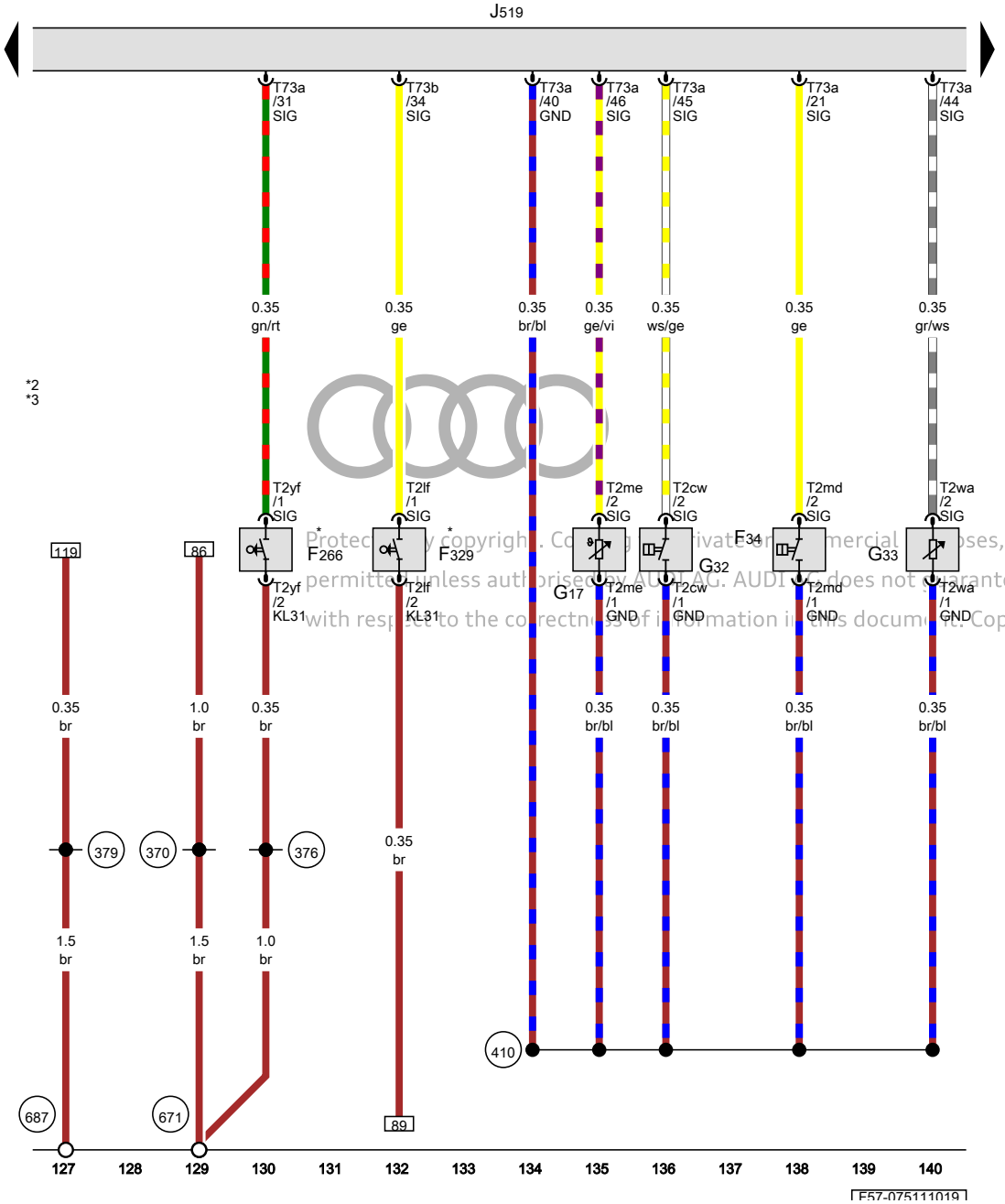

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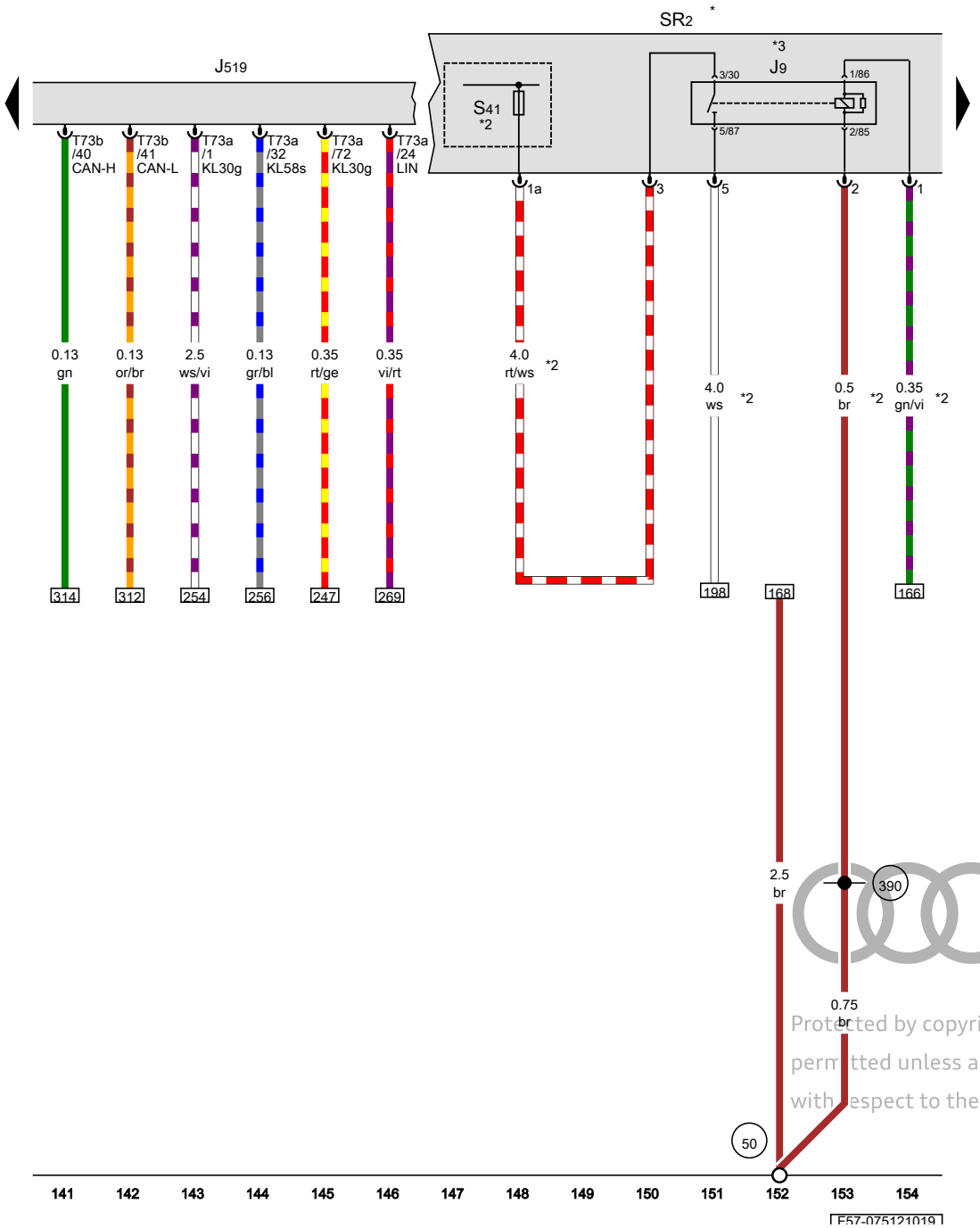
Brake fluid level warning contact, Bonnet contact switch, Bonnet contact switch 2, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Onboard supply control unit

F34	Brake fluid level warning contact
F266	Bonnet contact switch
F329	Bonnet contact switch 2
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J519	Onboard supply control unit
T2cw	2-pin connector, black
T2lf	2-pin connector, black
T2md	2-pin connector, black
T2me	2-pin connector, black
T2wa	2-pin connector, black
T2yf	2-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
370	Earth connection 5, in main wiring harness
376	Earth connection 11, in main wiring harness
379	Earth connection 14, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
671	Earth point 1, on front of left longitudinal member
687	Earth point 1, on centre tunnel
*	Pre-wired component



Heated rear window relay, Onboard supply control unit, Relay and fuse carrier 2

J9	Heated rear window relay, black
J519	Onboard supply control unit
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
S41	Heated rear window single fuse
T73a	73-pin connector, black
T73b	73-pin connector, black
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Coupé
*3	see applicable current flow diagram for convertible roof

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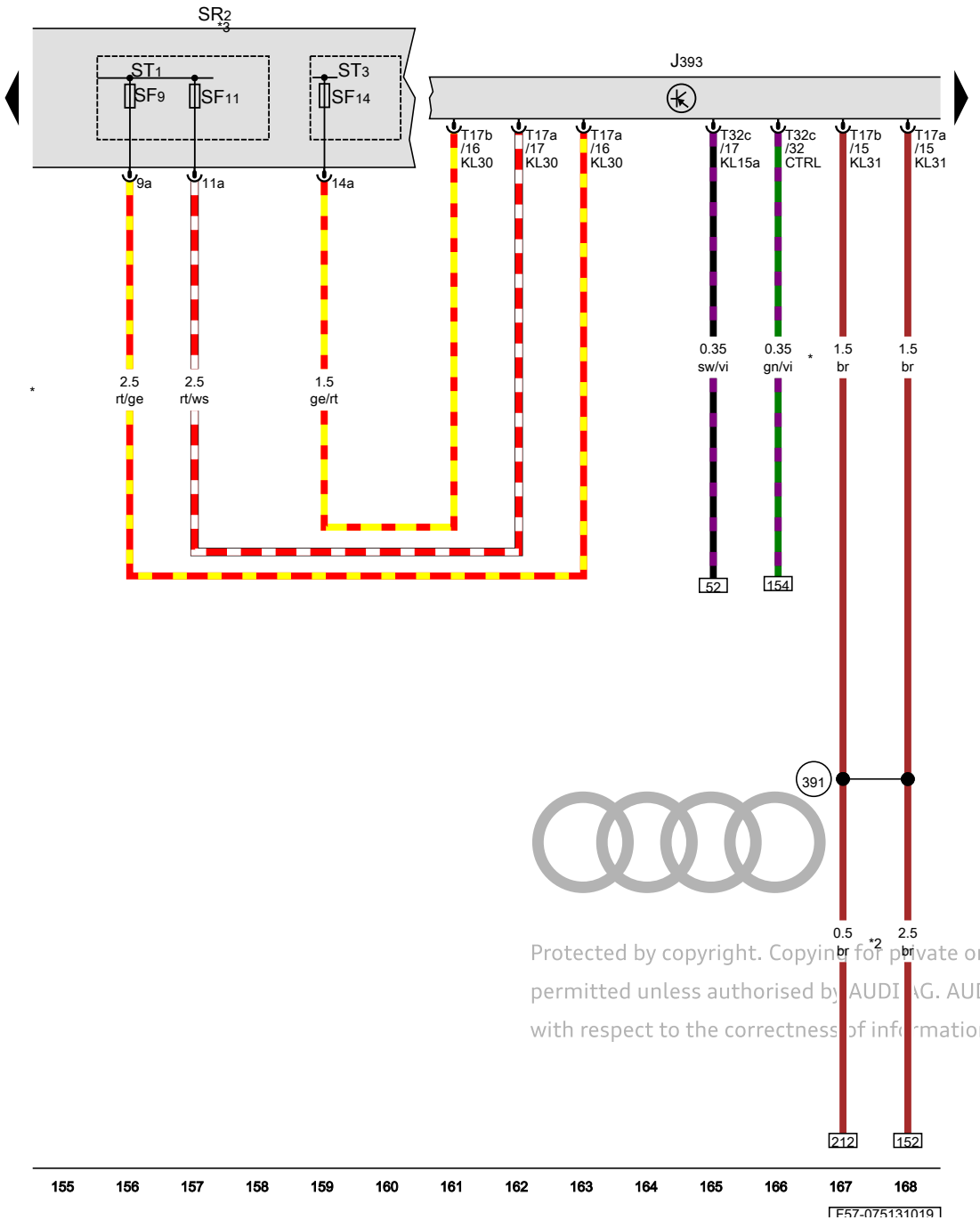

Convenience system central control unit, Relay and fuse carrier 2

J393	Convenience system central control unit
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
ST3	Fuse carrier 3
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
391	Earth connection 26, in main wiring harness
*	Coupé
*2	Up to September 2019
*3	see applicable current flow diagram for fuse assignment

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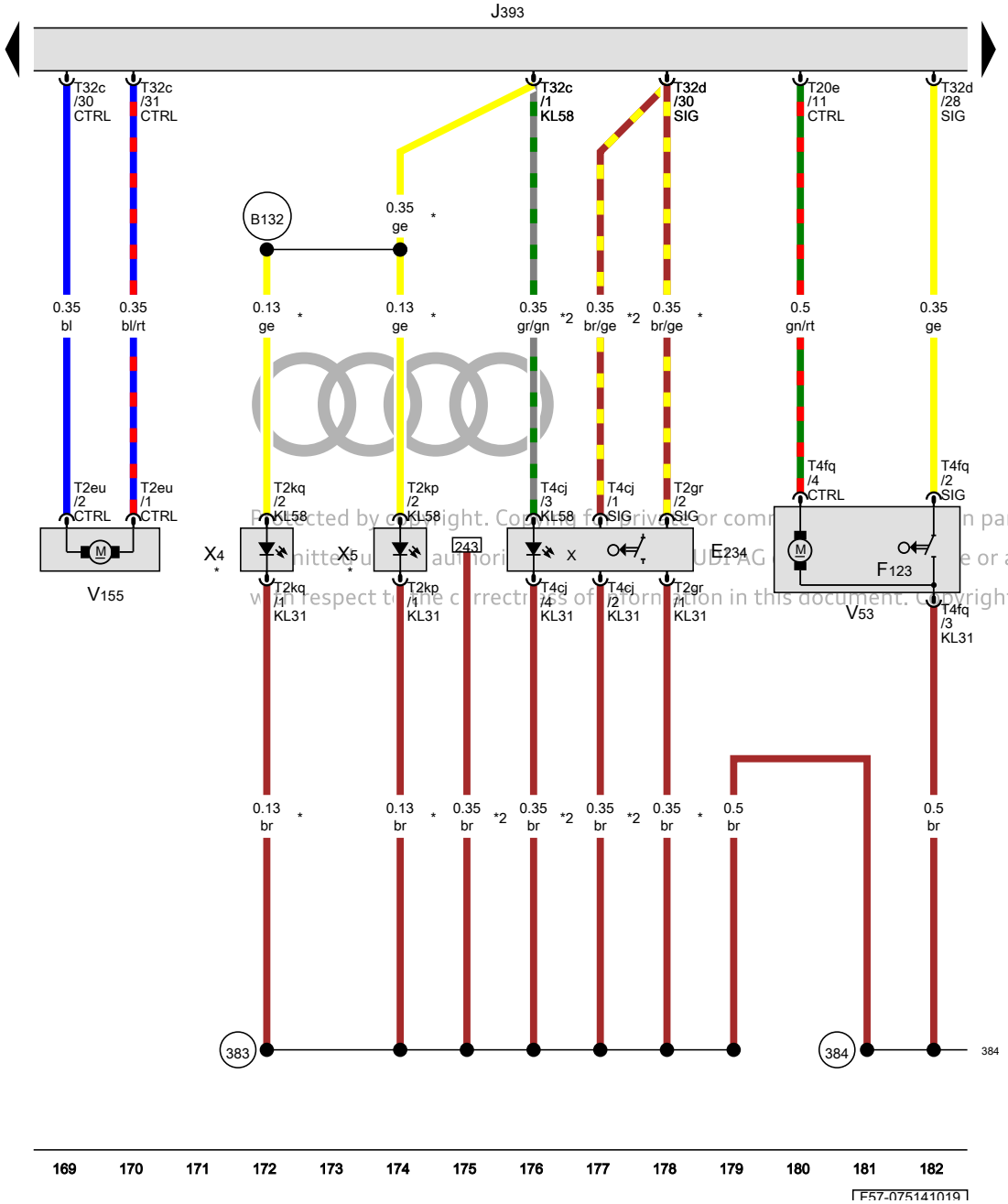

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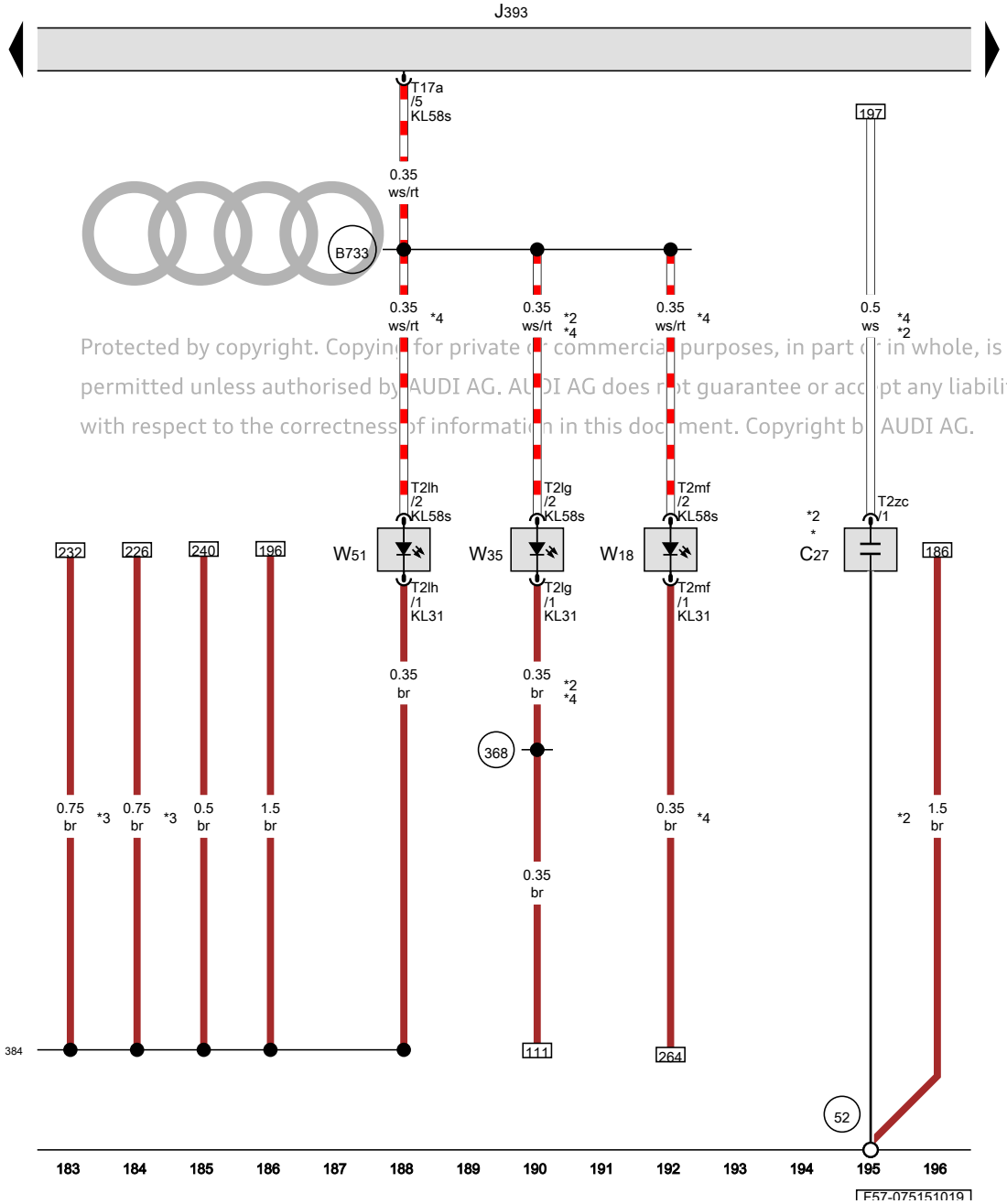
Rear lid handle release button, Rear lid contact switch for anti-theft alarm, Convenience system central control unit, Rear lid central locking motor, Tank filler flap locking motor, Number plate light, Left number plate light, Right number plate light

E234	Rear lid handle release button
F123	Rear lid contact switch for anti-theft alarm
J393	Convenience system central control unit
T2eu	2-pin connector, black
T2gr	2-pin connector, black
T2kp	2-pin connector, black
T2kq	2-pin connector, black
T4cj	4-pin connector, black
T4fq	4-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, colourless
T32d	32-pin connector, blue
V53	Rear lid central locking motor
V155	Tank filler flap locking motor
X	Number plate light
X4	Left number plate light
X5	Right number plate light
383	Earth connection 18, in main wiring harness
384	Earth connection 19, in main wiring harness
B132	Connection (number plate lights), in interior wiring harness
*	Coupé
*2	For Cabriolet models



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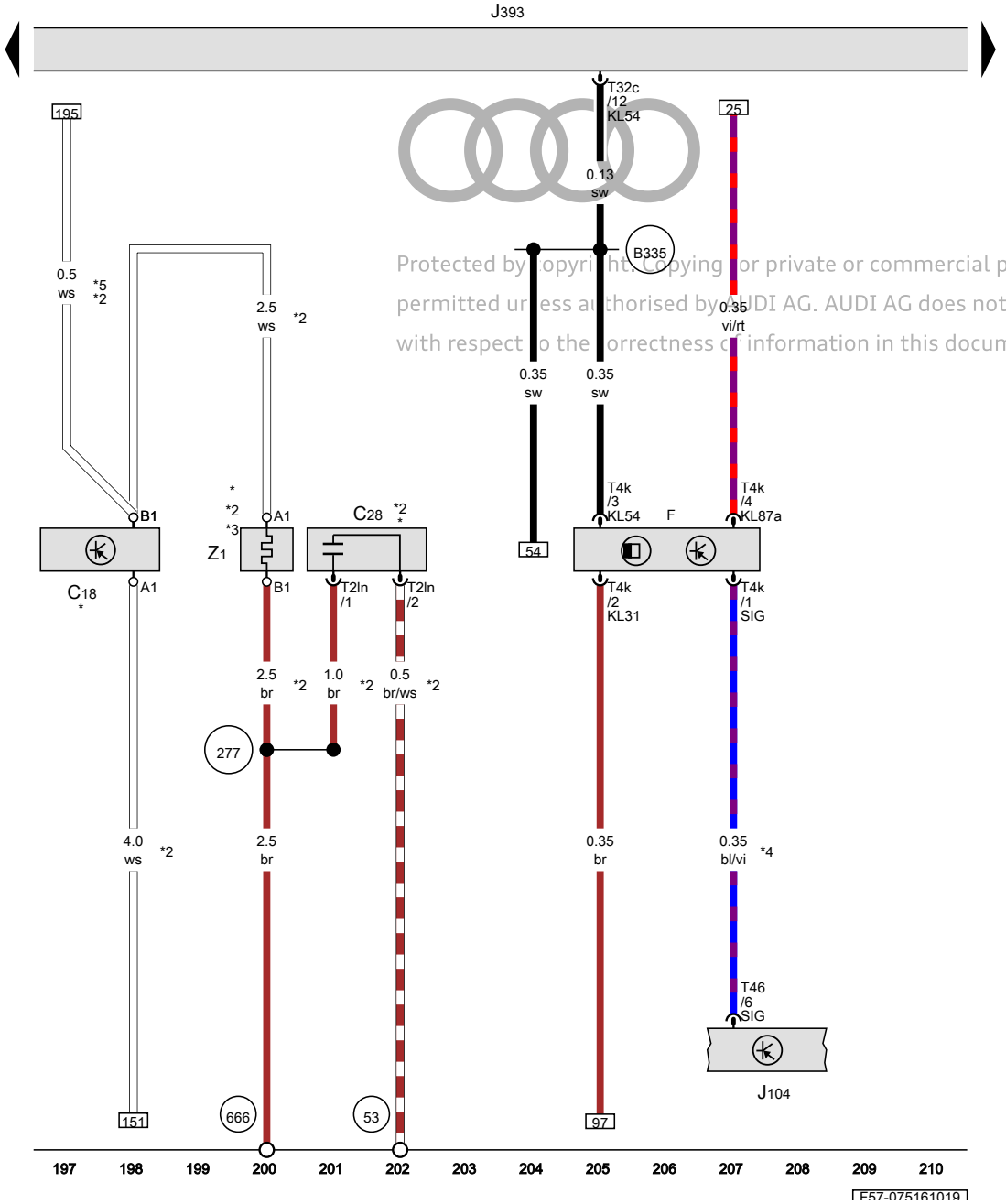
Suppression filter for heated rear window, Convenience system central control unit, Left luggage compartment light, Right luggage compartment light, Rear lid light

C27	Suppression filter for heated rear window
J393	Convenience system central control unit
T2lg	2-pin connector, black
T2lh	2-pin connector, black
T2mf	2-pin connector, black
T2zc	2-pin connector, black
T17a	17-pin connector, brown
W18	Left luggage compartment light
W35	Right luggage compartment light
W51	Rear lid light
52	Earth point, on left in rear lid
368	Earth connection 3, in main wiring harness
384	Earth connection 19, in main wiring harness
B733	Connection 3 (58s), in main wiring harness
*	If fitted
*2	Coupé
*3	Up to September 2019
*4	Cross section depends on equipment



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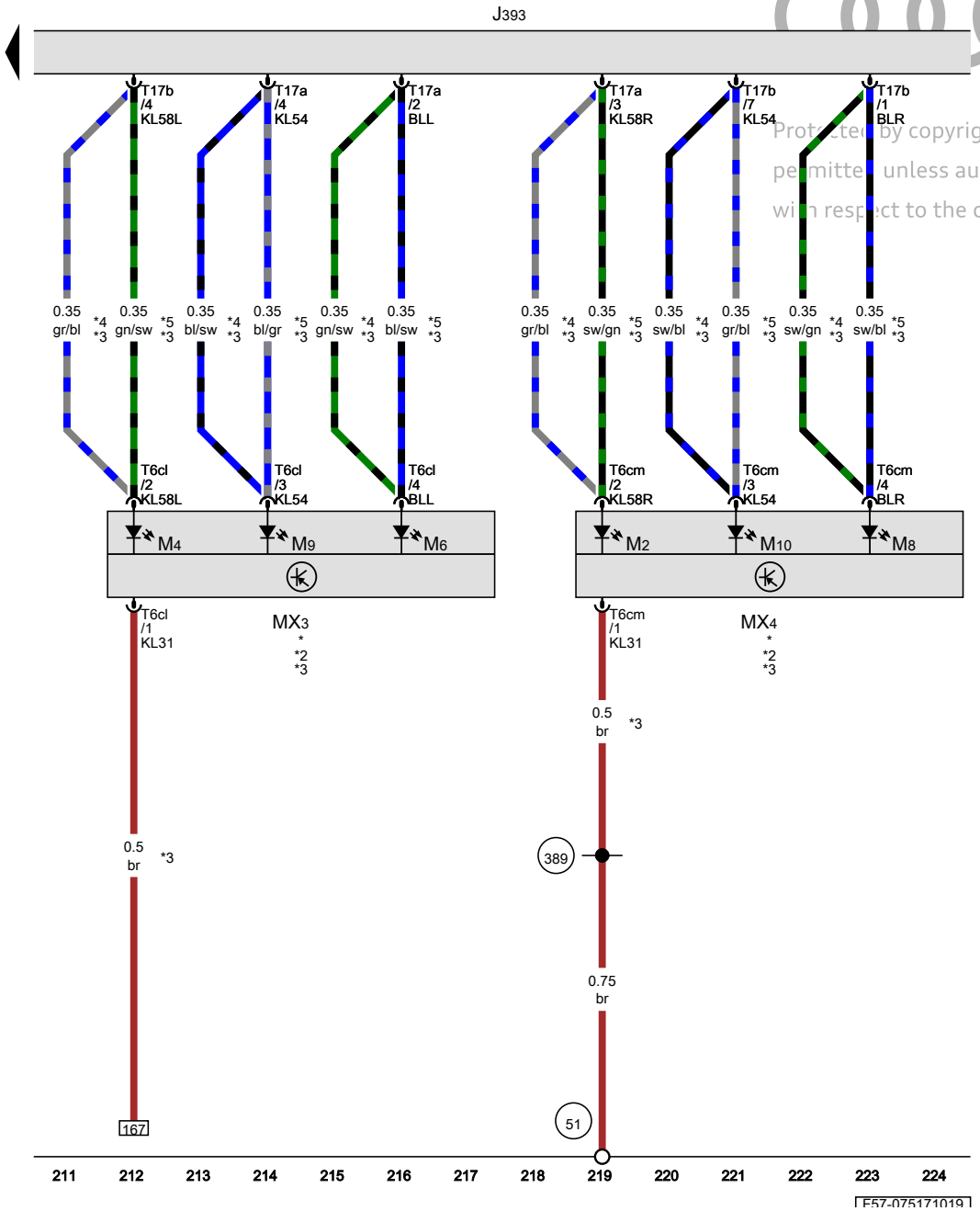
Window aerial suppression filter, Brake light switch, Convenience system central control unit, Heated rear window

C18	Window aerial suppression filter
C28	Suppression filter 2 for heated rear window
F	Brake light switch
J104	ABS control unit
J393	Convenience system central control unit
T2ln	2-pin connector, black
T4k	4-pin connector, black
T32c	32-pin connector, colourless
T46	46-pin connector, black
Z1	Heated rear window
53	Earth point, on right in rear lid
277	Earth connection 3, in interior wiring harness
666	Earth point, on rear right of roof
B335	Connection 1 (54), in main wiring harness
*	see applicable current flow diagram for convertible roof
*2	Coupé
*3	Pre-wired component
*4	For models with 48 V hybrid system
*5	Cross section depends on equipment



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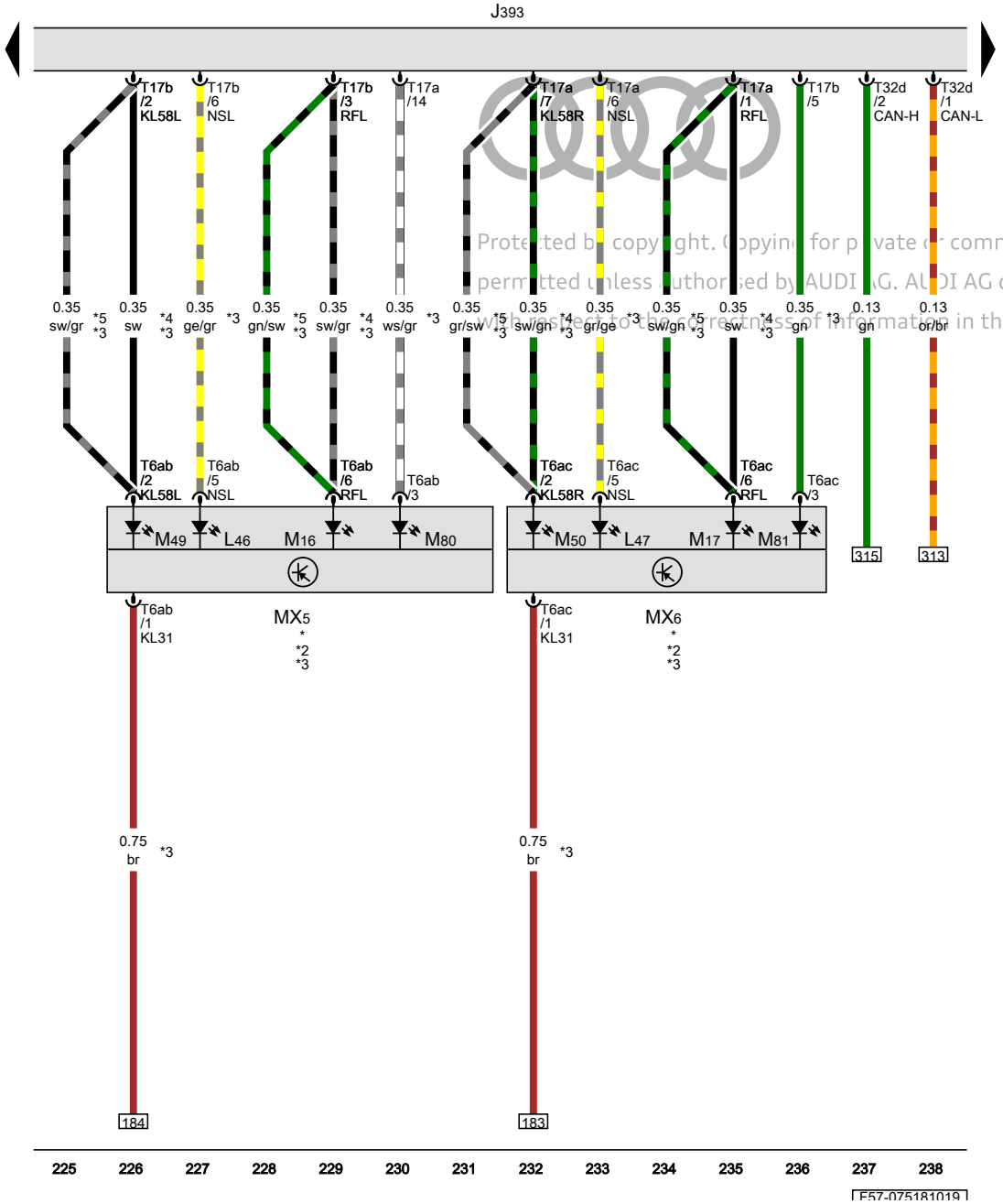
Convenience system central control unit, Left tail light cluster, Right tail light cluster

J393	Convenience system central control unit
M2	Right tail light bulb
MX3	Left tail light cluster
M4	Left tail light bulb
MX4	Right tail light cluster
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M9	Left brake light bulb
M10	Right brake light bulb
T6cl	6-pin connector, black
T6cm	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
51	Earth point, on right in luggage compartment
389	Earth connection 24, in main wiring harness
*	According to equipment
*2	see applicable current flow diagram for tail light clusters
*3	Up to September 2019
*4	For Cabriolet models
*5	Coupé

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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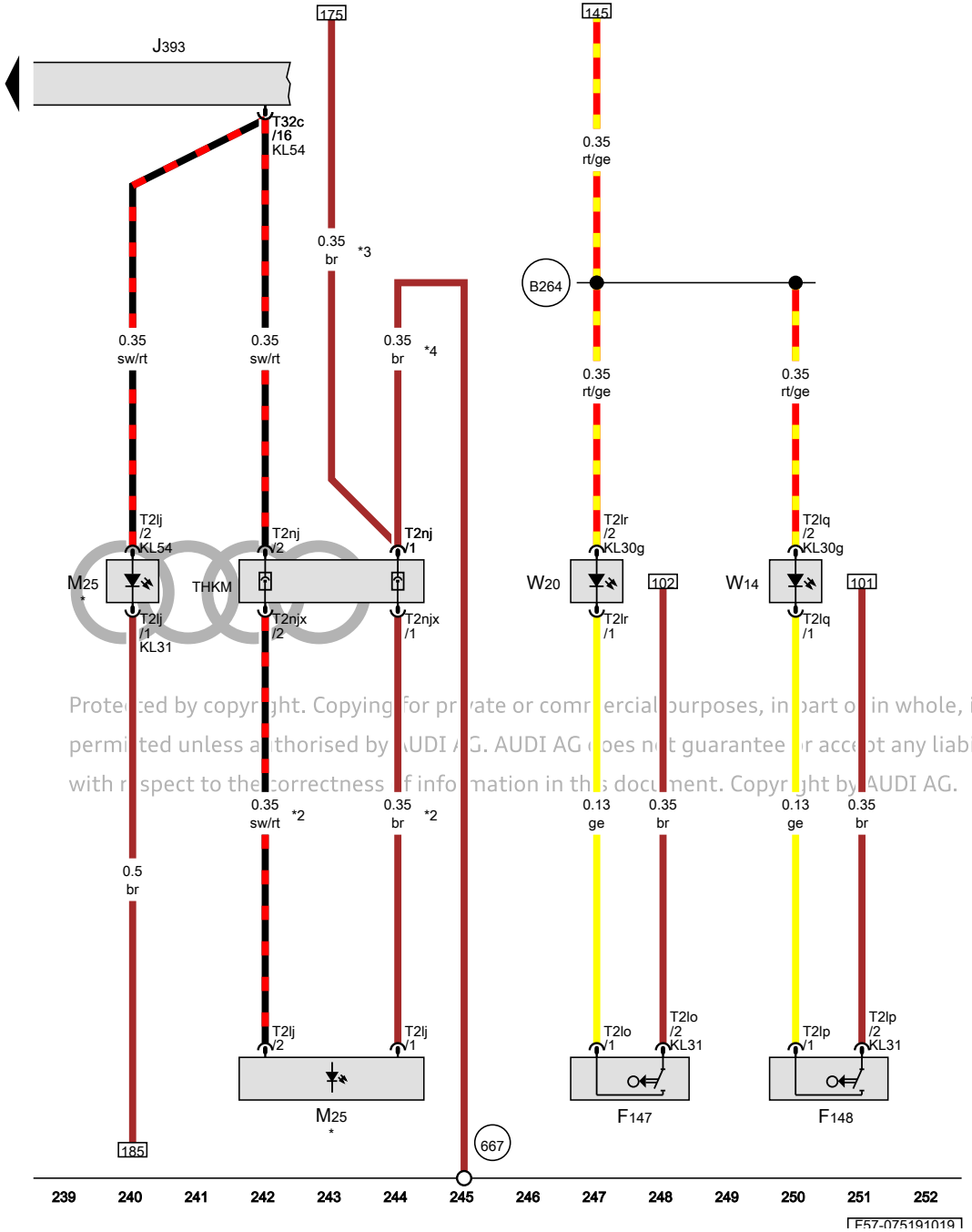
Convenience system central control unit, Left tail light cluster 2, Right tail light cluster 2

J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
MX5	Left tail light cluster 2
MX6	Right tail light cluster 2
M16	Left reversing light bulb
M17	Right reversing light bulb
M49	Left tail light bulb 2
M50	Right tail light bulb 2
M80	Bulb 2 for rear left turn signal
M81	Bulb 2 for rear right turn signal
T6ab	6-pin connector, black
T6ac	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32d	32-pin connector, blue
*	According to equipment
*2	see applicable current flow diagram for tail light clusters
*3	Up to September 2019
*4	Coupé
*5	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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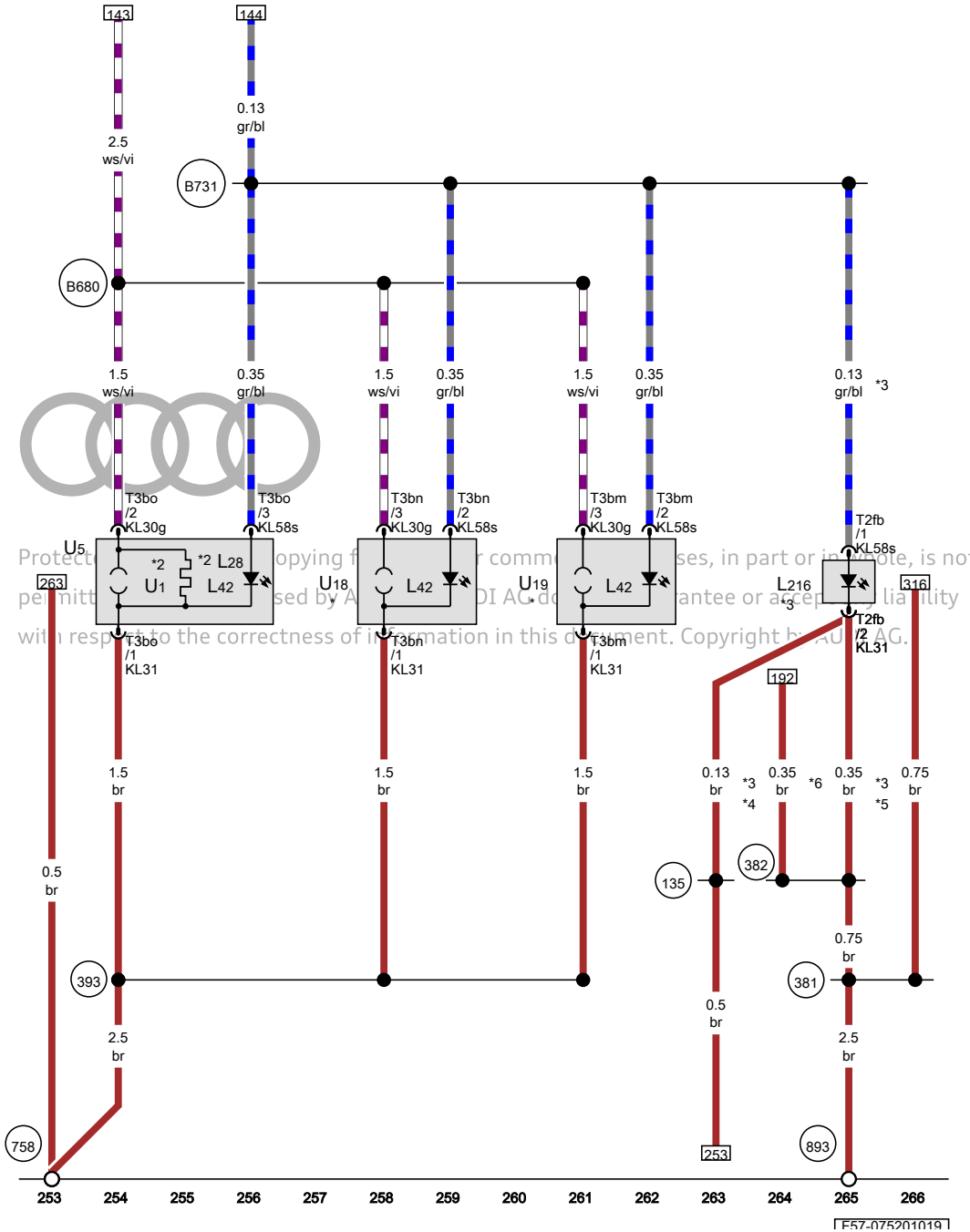
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Driver vanity mirror contact switch, Front passenger vanity mirror contact switch, Convenience system central control unit, High-level brake light bulb, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror

F147	Driver vanity mirror contact switch
F148	Front passenger vanity mirror contact switch
J393	Convenience system central control unit
M25	High-level brake light bulb
T2lj	2-pin connector, black
T2lo	2-pin connector, black
T2lp	2-pin connector, black
T2lq	2-pin connector, black
T2lr	2-pin connector, black
T2nj	2-pin connector, black
T2njx	2-pin connector, black
T32c	32-pin connector, colourless
THKM	Coupling point on rear lid, centre, on high-level brake light
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
667	Earth point, on rear left of roof
B264	Connection 1, in roof wiring harness
*	According to equipment
*2	Different wire colour possible
*3	For Cabriolet models
*4	Coupé



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Rear vent illumination bulb, Cigarette lighter, 12 V socket, 12 V socket 2, 12 V socket 3

L28	Cigarette lighter illumination bulb
L42	Socket illumination bulb
L216	Rear vent illumination bulb, middle
T2fb	2-pin connector, black
T3bm	3-pin connector, black
T3bn	3-pin connector, black
T3bo	3-pin connector, black
U1	Cigarette lighter
U5	12 V socket
U18	12 V socket 2, in rear centre console
U19	12 V socket 3, in rear centre console
135	Earth connection 2, in dash panel wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
393	Earth connection 28, in main wiring harness
758	Earth point 3, on centre tunnel
893	Earth point 2, on left B-pillar
B680	Connection (electric socket), in interior wiring harness
B731	Connection 1 (58s), in main wiring harness
*	Pre-wired component
*2	For smoker version models
*3	According to equipment
*4	Up to October 2017
*5	From November 2017
*6	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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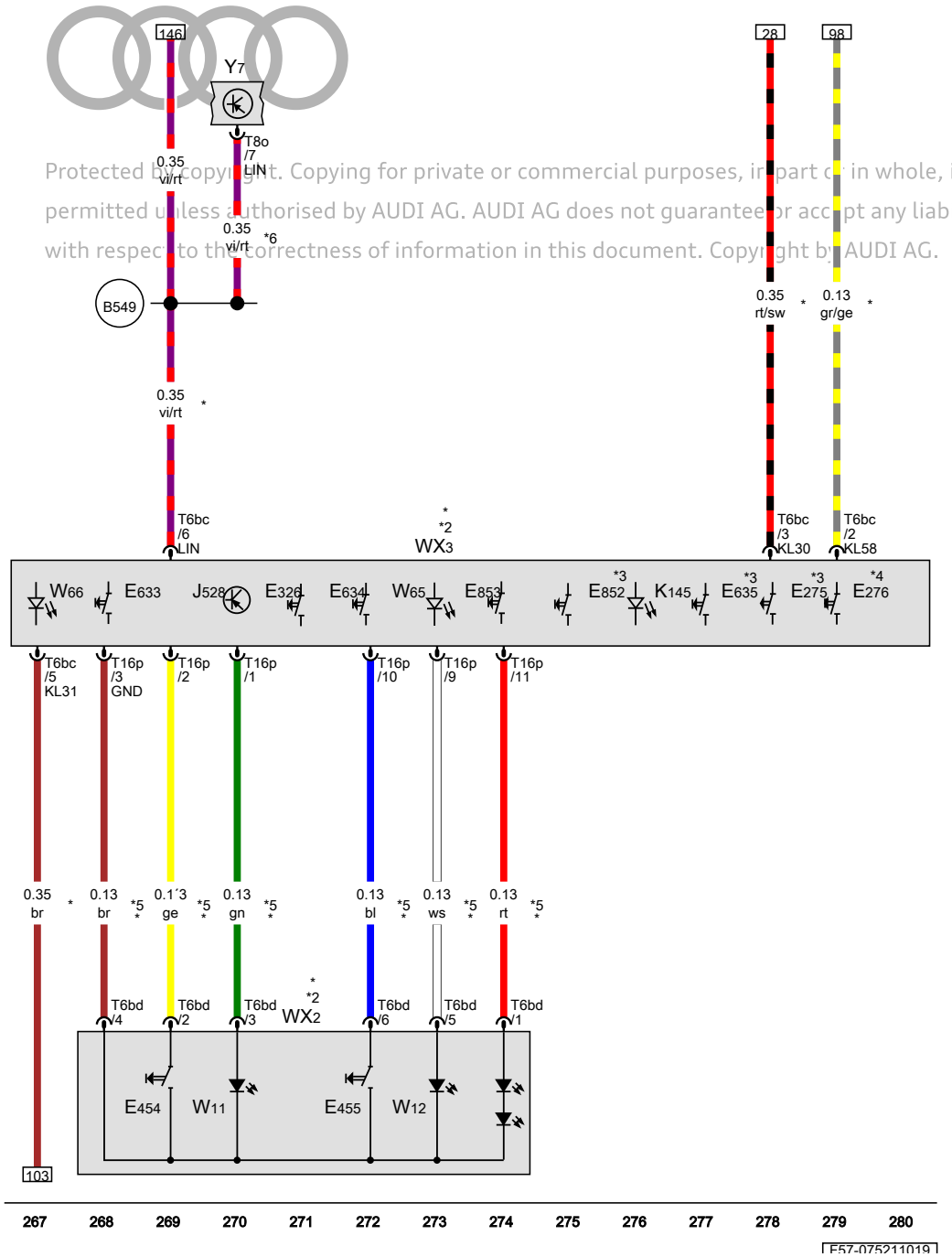
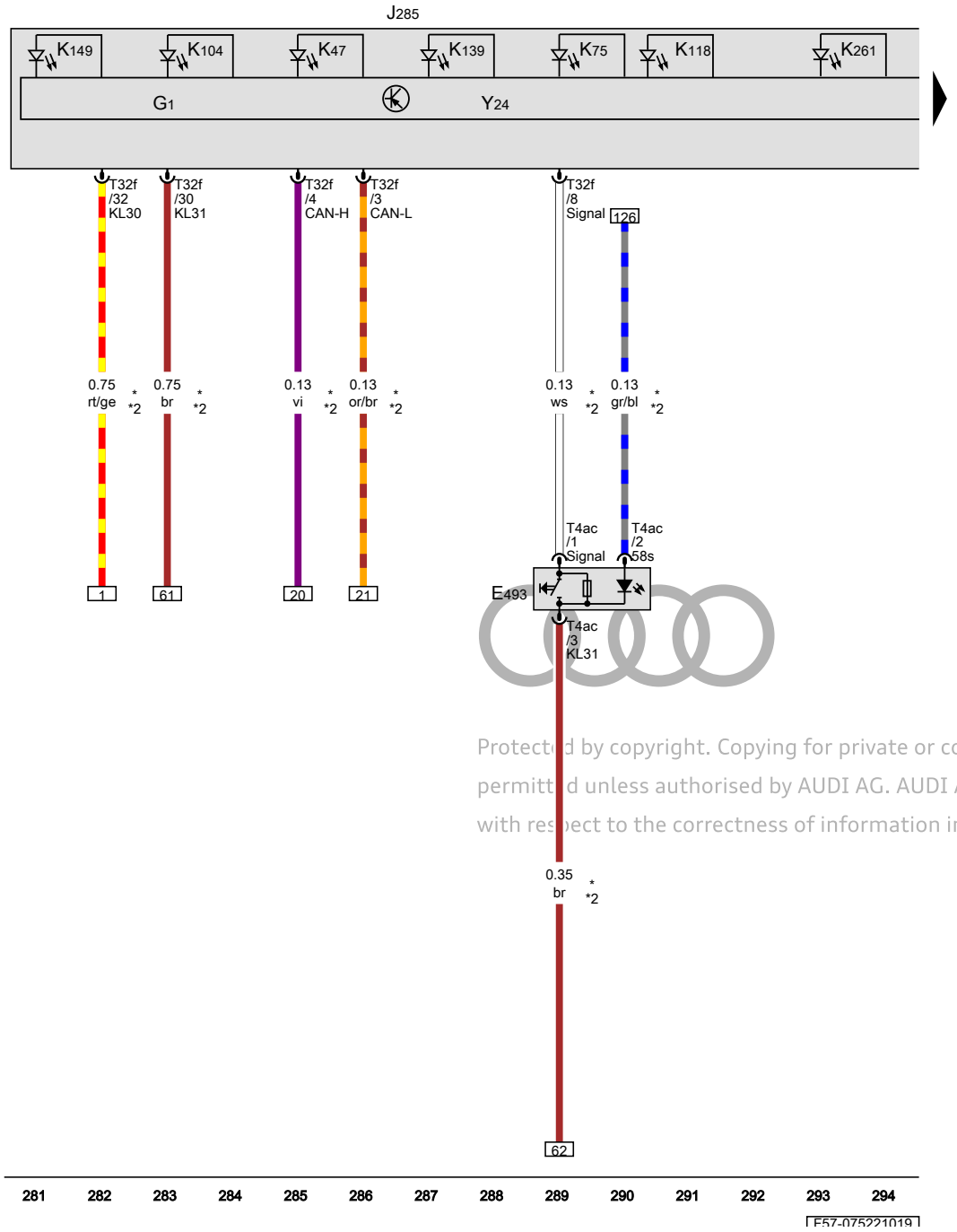


ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Front left reading light button, Front right reading light button, Warning lamp for airbag deactivated on front passenger side, Rear interior light, Front roof module, Front left reading light, Front right reading light

E275	Breakdown assistance call button
E276	Emergency assistance call button
E326	Front interior light button
E454	Rear left reading light button
E455	Rear right reading light button
E633	Front left reading light button
E634	Front right reading light button
E635	Front button for rear reading light
E852	Button for rear roof functions
E853	Button for automatic interior light functions
J528	Roof electronics control unit
K145	Warning lamp for airbag deactivated on front passenger side
T6bc	6-pin connector, black
T6bd	6-pin connector, black
T8o	8-pin connector, black
T16p	16-pin connector, brown
WX2	Rear interior light, middle
WX3	Front roof module
W11	Rear left reading light
W12	Rear right reading light
W65	Front left reading light
W66	Front right reading light
Y7	Automatic anti-dazzle interior mirror
B549	Connection 2 (LIN bus) in main wiring harness
*	Coupé
*2	see applicable current flow diagram for convertible roof
*3	For models with panoramic sliding sunroof
*4	According to equipment
*5	Adapter wire
*6	For models with no main beam assist



Dash panel insert operating button, Control unit in dash panel insert, Display in dash panel insert

E493	Dash panel insert operating button
G1	Fuel gauge
J285	Control unit in dash panel insert
K47	ABS warning lamp
K75	Airbag warning lamp
K104	Diesel electronics warning lamp
K118	Brake system warning lamp
K139	Handbrake warning lamp
K149	Engine electronics warning lamp
K261	Warning lamp for left turn signal
T4ac	4-pin connector, black
T32f	32-pin connector, grey
Y24	Display in dash panel insert
*	Up to September 2019
*2	see applicable current flow diagram for dash panel insert

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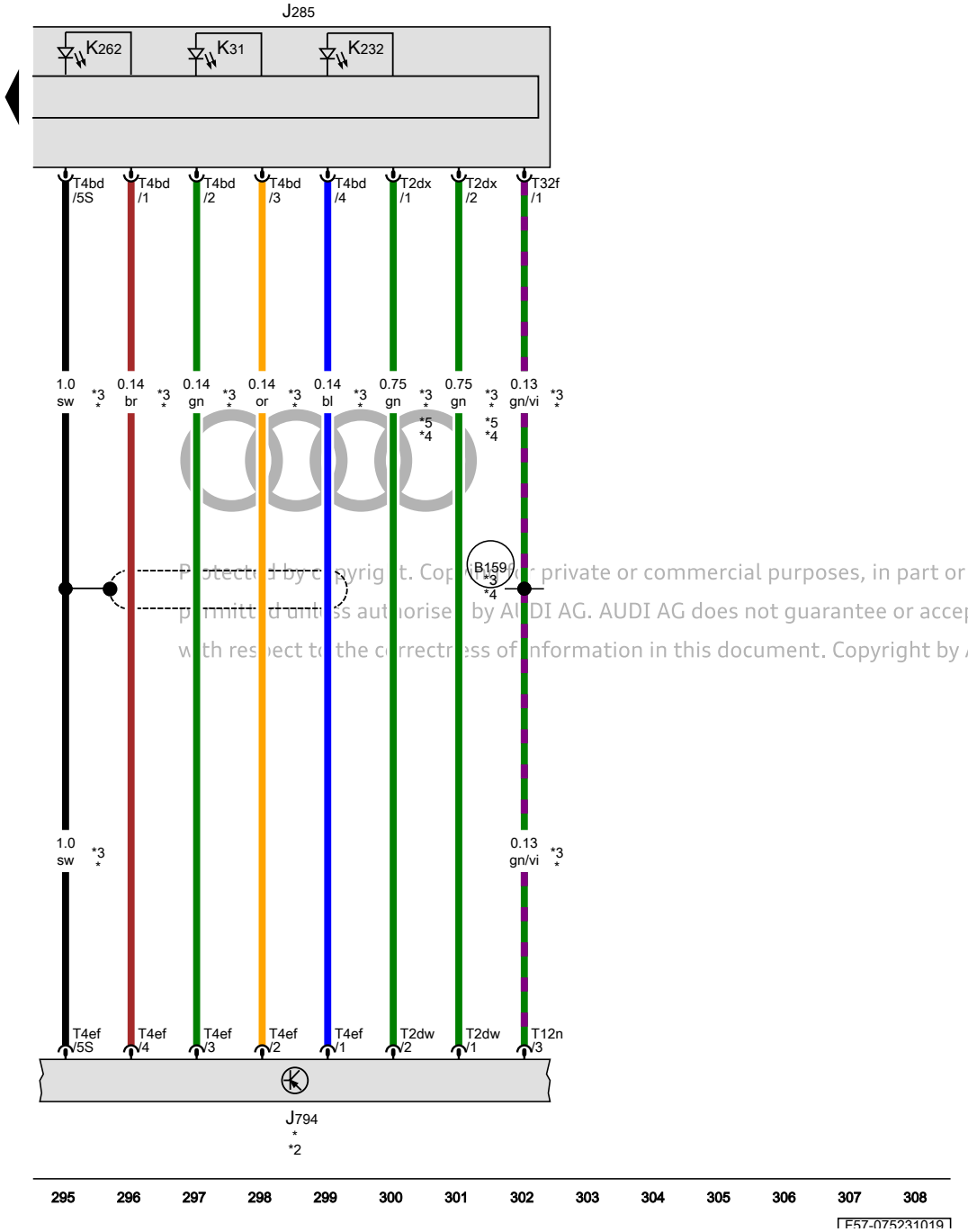

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Control unit in dash panel insert, Control unit 1 for information electronics

J285	Control unit in dash panel insert
J794	Control unit 1 for information electronics
K31	Cruise control system warning lamp
K232	Lane change assist warning lamp
K262	Warning lamp for right turn signal
T2dw	2-pin connector, black
T2dx	2-pin connector, black
T4bd	4-pin connector, black
T4ef	4-pin connector, yellow
T12n	12-pin connector, grey
T32f	32-pin connector, grey
B159	Connection (diagnosis), in interior wiring harness
*	see applicable current flow diagram for dash panel insert
*2	see applicable current flow diagram for MMI (information electronics)
*3	Up to September 2019
*4	see applicable current flow diagram for infotainment MOST bus
*5	Fibre optic cable (FOC)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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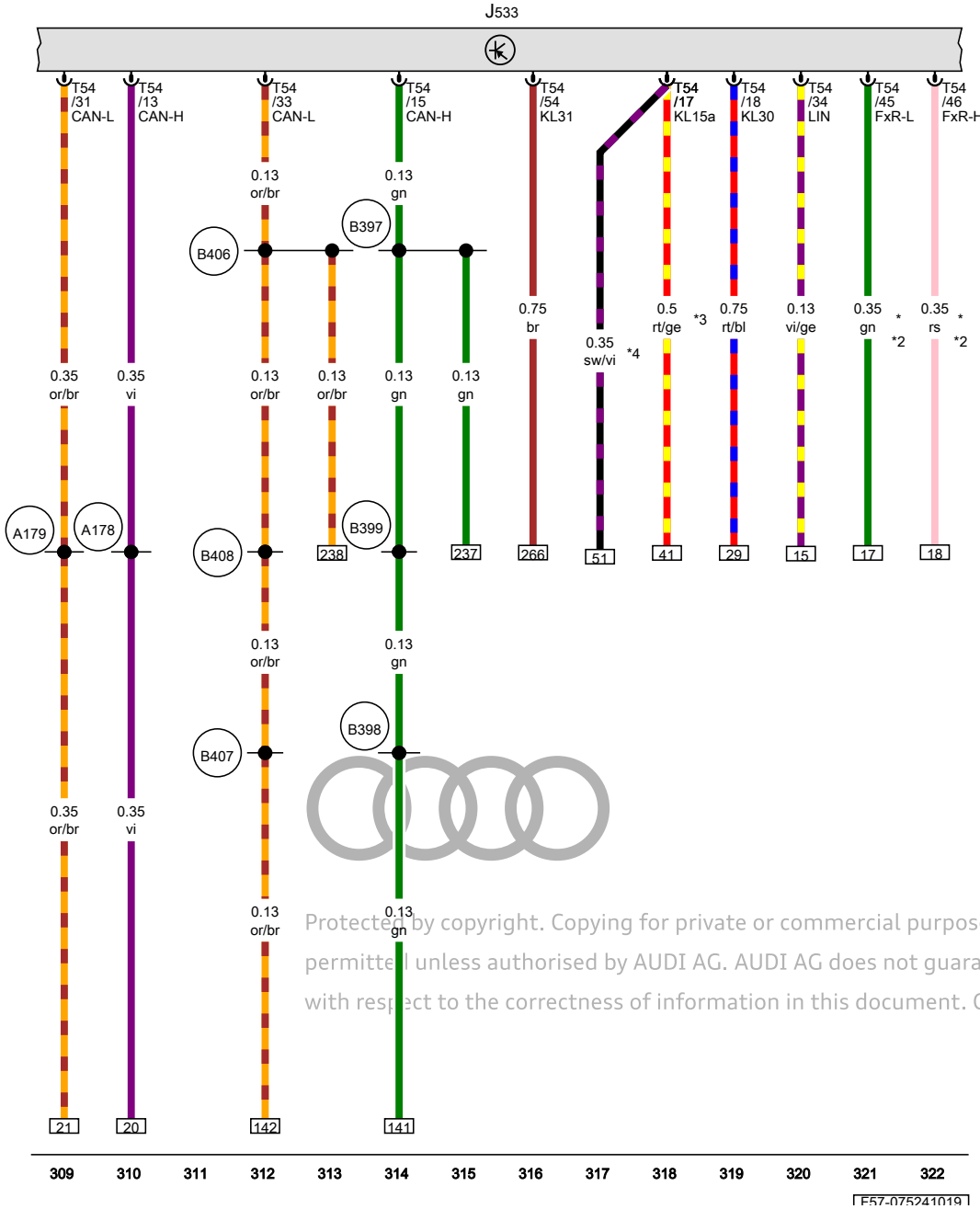

Data bus diagnostic interface

J533	Data bus diagnostic interface
T54	54-pin connector, black
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	Data bus wire (FlexRay bus)
*2	see applicable current flow diagram for data bus network
*3	Gradually discontinued
*4	gradual introduction

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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Convenience system , (L0L)

From July 2016

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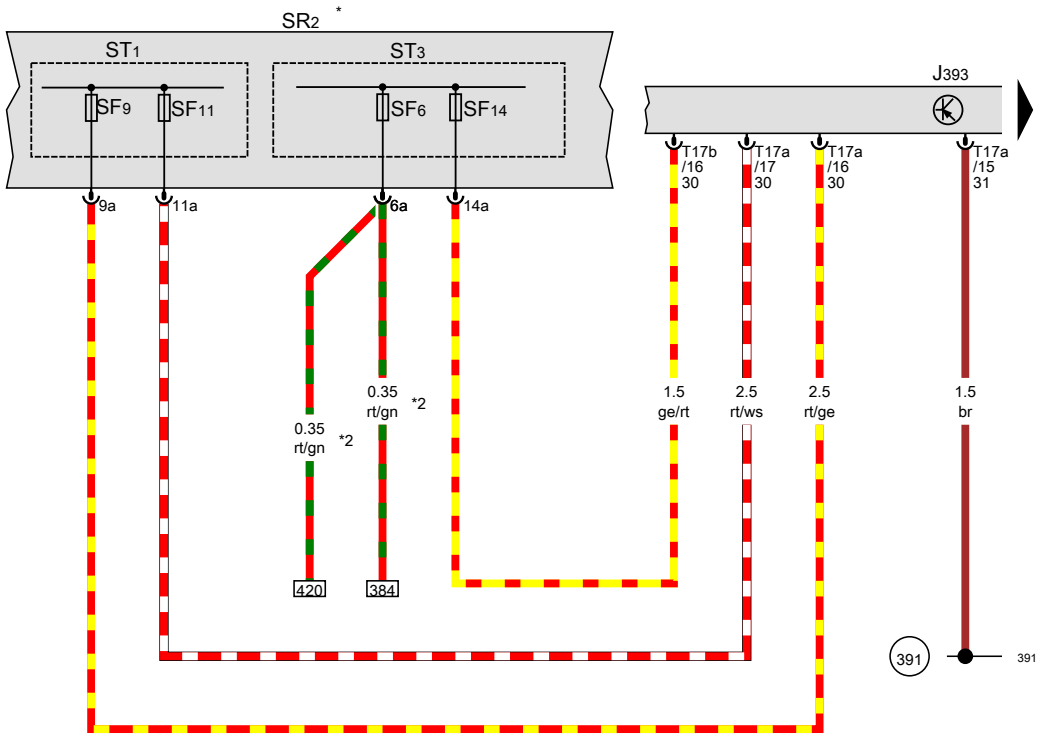

Convenience system central control unit, Relay and fuse carrier 2

J393	Convenience system central control unit, behind left side trim in luggage compartment
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
ST3	Fuse carrier 3, brown
SF6	Fuse 6 in fuse holder F
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
391	Earth connection 26, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For Cabriolet models

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

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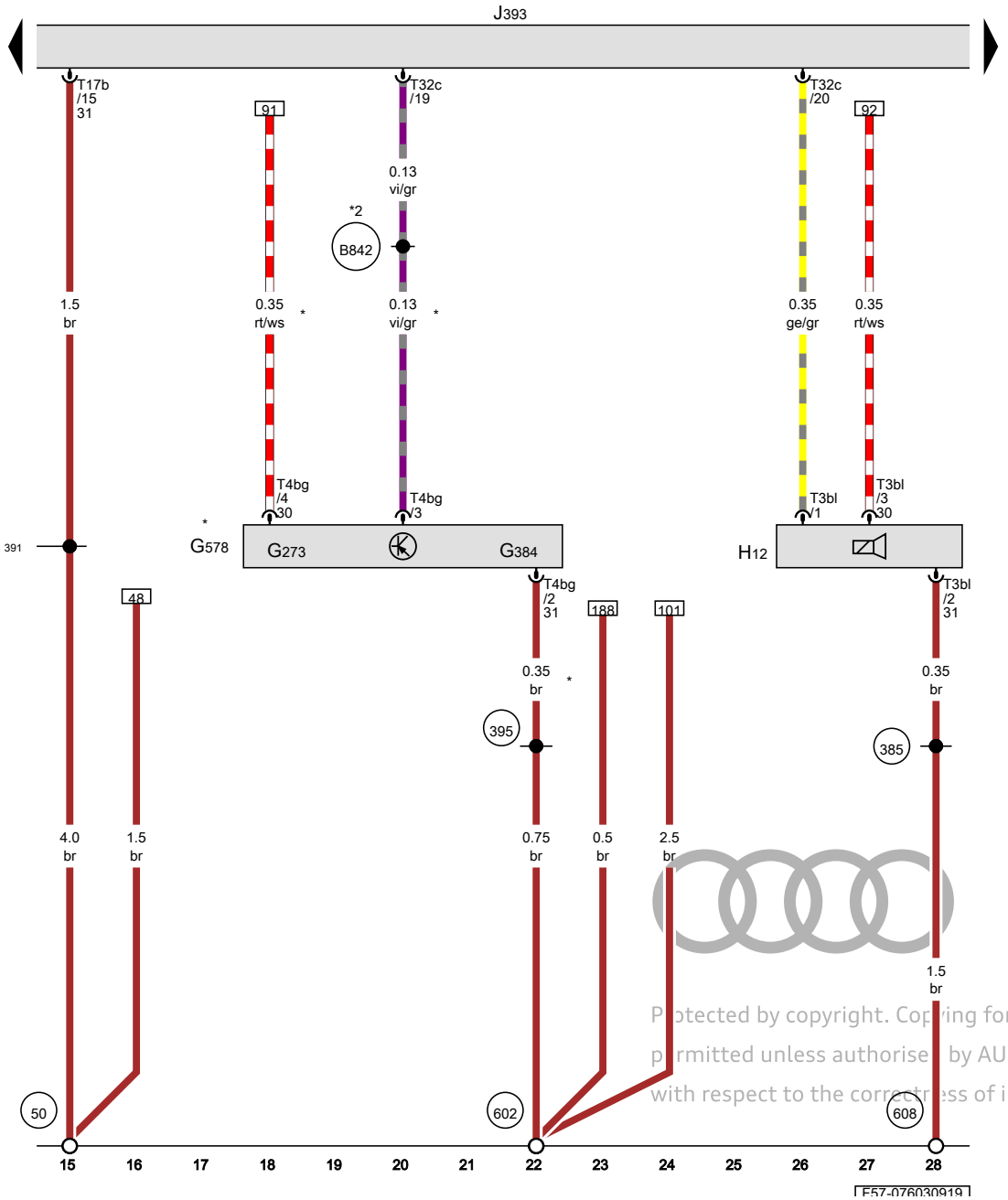

Interior monitoring sensor, Vehicle inclination sender, Anti-theft alarm sensor, Alarm horn, Convenience system central control unit

G273	Interior monitoring sensor
G384	Vehicle inclination sender
G578	Anti-theft alarm sensor
H12	Alarm horn
J393	Convenience system central control unit, behind left side trim in luggage compartment
T3bl	3-pin connector, black
T4bg	4-pin connector, black
T17b	17-pin connector, black
T32c	32-pin connector, black
50	Earth point, on left in luggage compartment
385	Earth connection 20, in main wiring harness
391	Earth connection 26, in main wiring harness
395	Earth connection 30, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
B842	Connection 8 (LIN bus) in main wiring harness
*	Anti-theft alarm system with interior monitoring
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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or	=	orange
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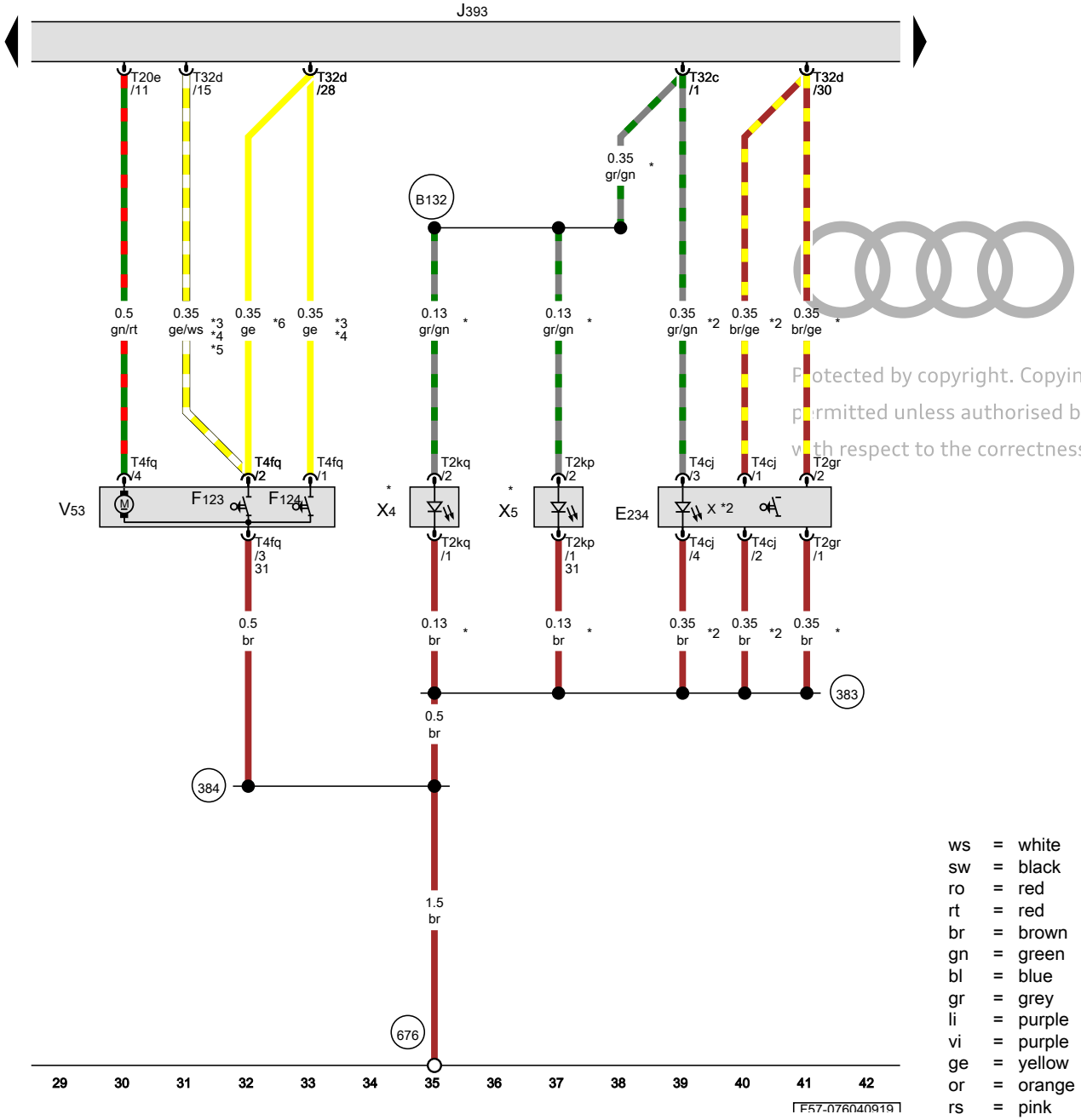

ws = white
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ro = red
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gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Rear lid handle release button, Convenience system central control unit, Rear lid central locking motor, Left number plate light, Right number plate light

E234	Rear lid handle release button
F123	Rear lid contact switch for anti-theft alarm
F124	Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
J393	Convenience system central control unit, behind left side trim in luggage compartment
T2gr	2-pin connector, black
T2kp	2-pin connector, black
T2kq	2-pin connector, black
T4cj	4-pin connector, black
T4fq	4-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
V53	Rear lid central locking motor
X	Number plate light
X4	Left number plate light
X5	Right number plate light
383	Earth connection 18, in main wiring harness
384	Earth connection 19, in main wiring harness
676	Earth point 2, on left in luggage compartment
B132	Connection (number plate lights), in interior wiring harness
*	Coupé
*2	For Cabriolet models
*3	For models with electric rear lid opener
*4	For models with power latching for rear lid
*5	Different wire colour possible
*6	For models with no electric rear lid opener

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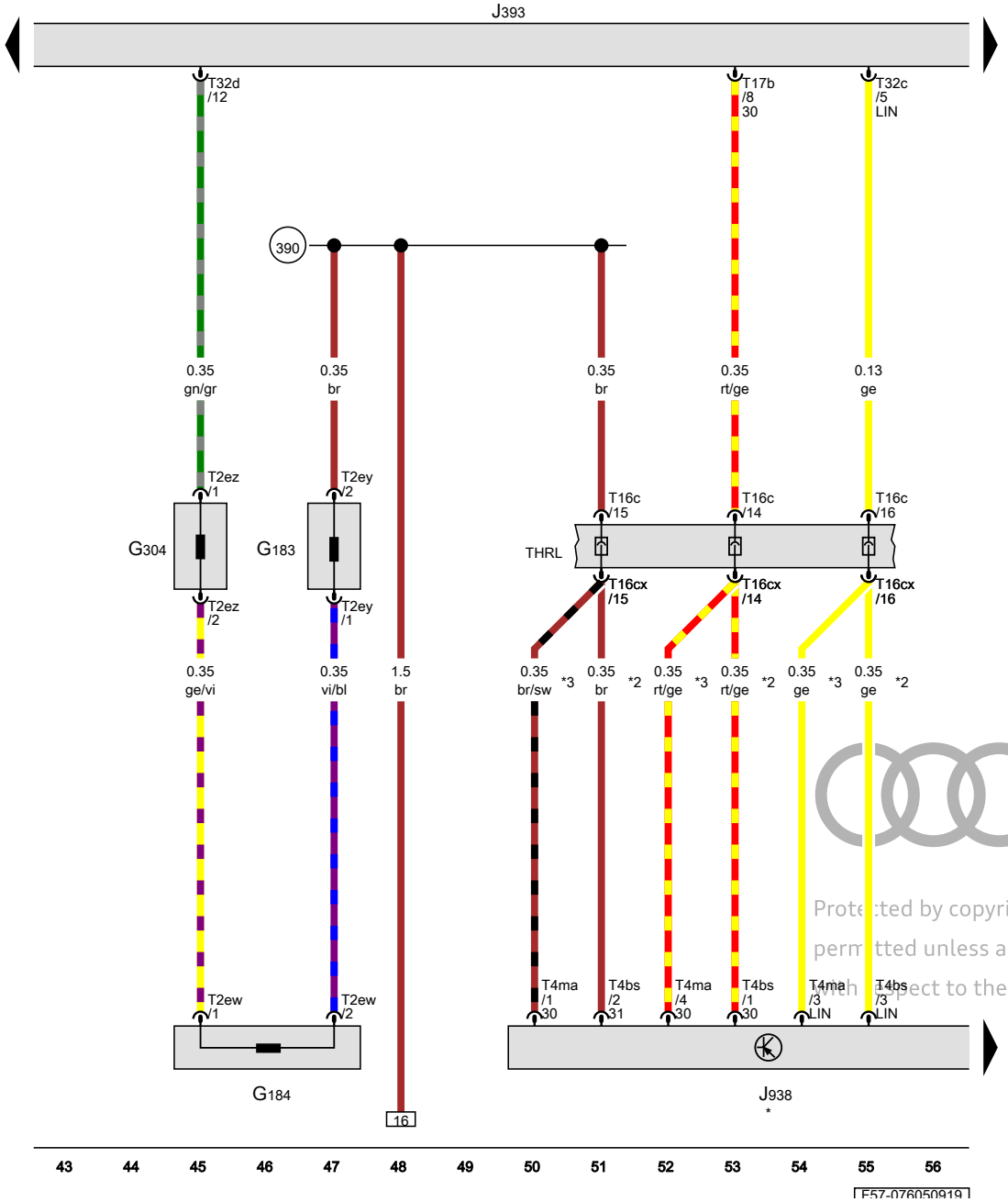

Convenience system central control unit, Rear lid power opening control unit

G183	Rear left side window glass breakage sensor
G184	Rear right side window glass breakage sensor
G304	Glass breakage sensor for rear window
J393	Convenience system central control unit, behind left side trim in luggage compartment
J938	Rear lid power opening control unit
T2ew	2-pin connector, black
T2ey	2-pin connector, black
T2ez	2-pin connector, black
T4bs	4-pin connector, black
T4ma	4-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
THRL	Coupling point in luggage compartment, left
390	Earth connection 25, in main wiring harness
*	Optional equipment
*2	Up to September 2019
*3	From October 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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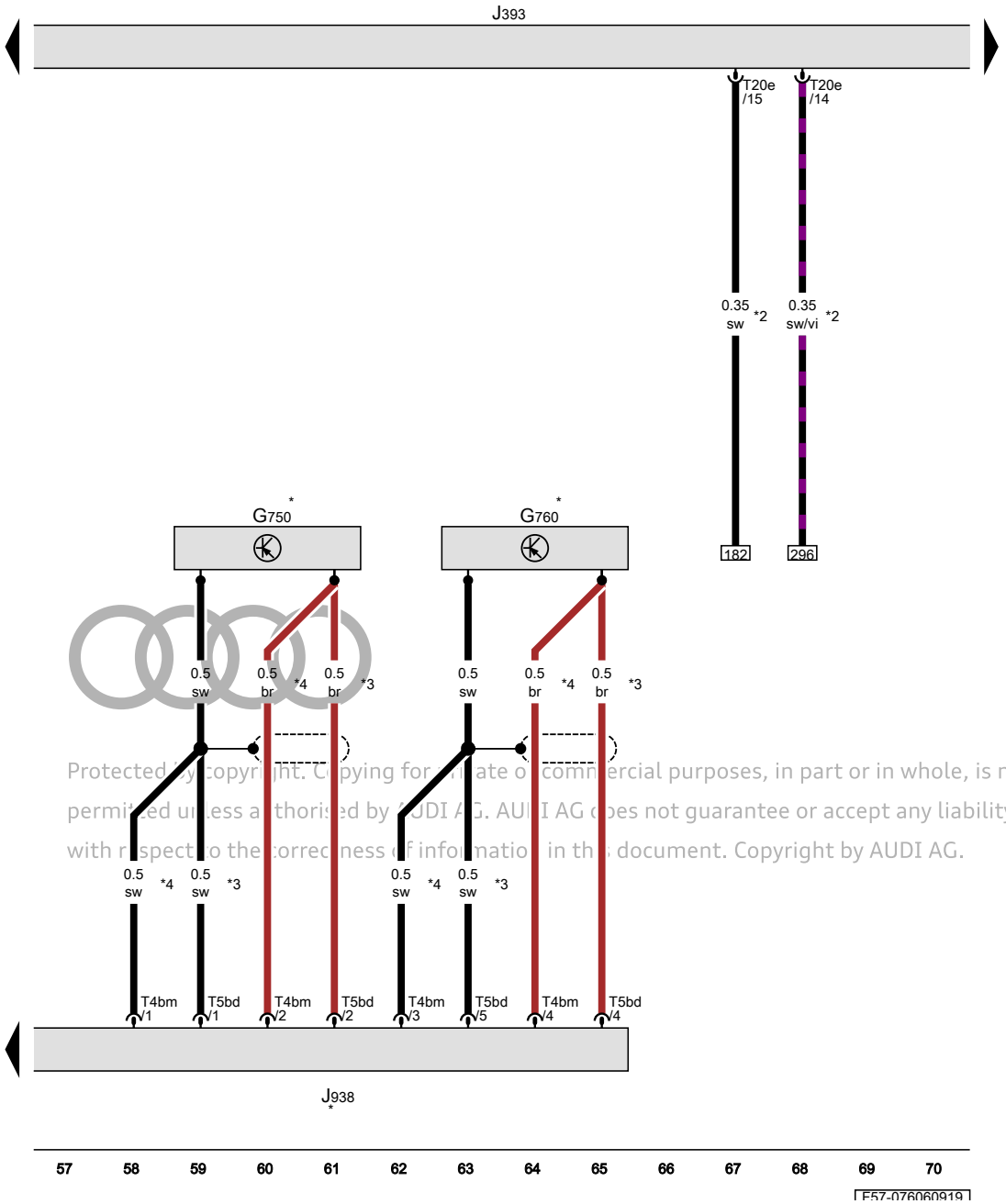

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Rear lid power opening sender, Rear lid power opening sender 2, Convenience system central control unit, Rear lid power opening control unit

G750	Rear lid power opening sender, in rear bumper
G760	Rear lid power opening sender 2, in rear bumper
J393	Convenience system central control unit, behind left side trim in luggage compartment
J938	Rear lid power opening control unit
T4bm	4-pin connector, black
T5bd	5-pin connector, black
T20e	20-pin connector, black
*	Optional equipment
*2	Cross section depends on equipment
*3	Up to September 2019
*4	From October 2019

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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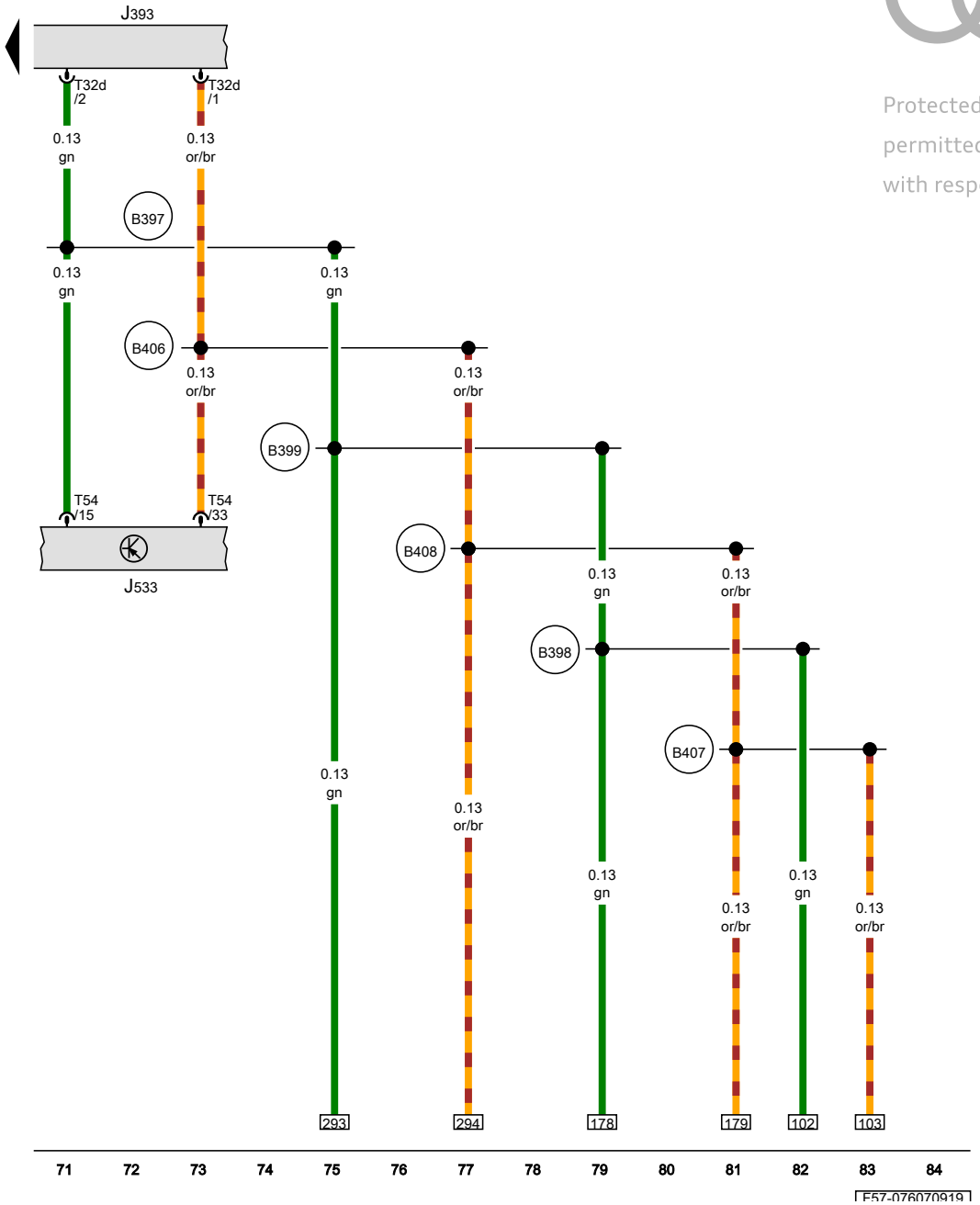

Convenience system central control unit

J393	Convenience system central control unit, behind left side trim in luggage compartment
J533	Data bus diagnostic interface
T32d	32-pin connector, blue
T54	54-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness

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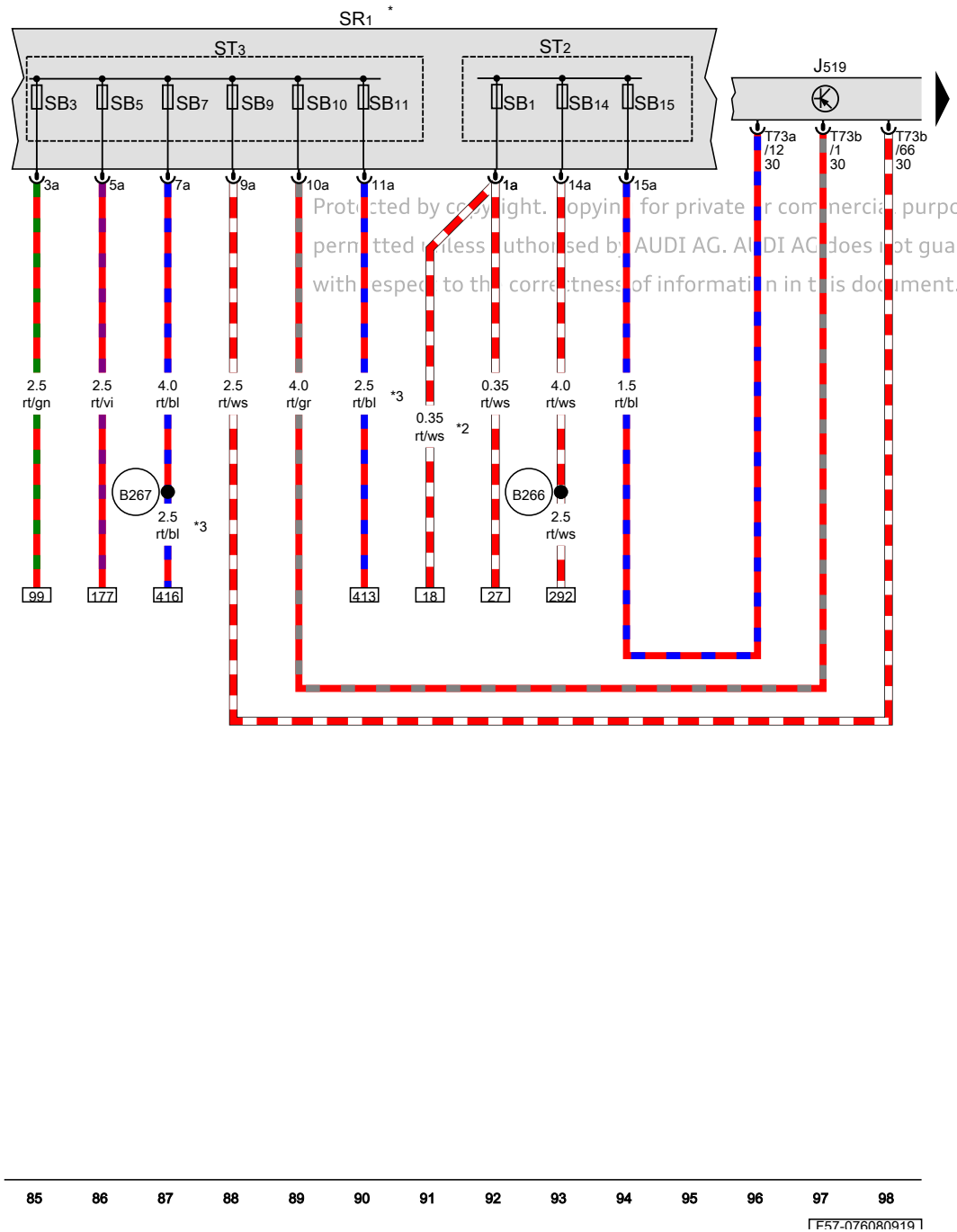

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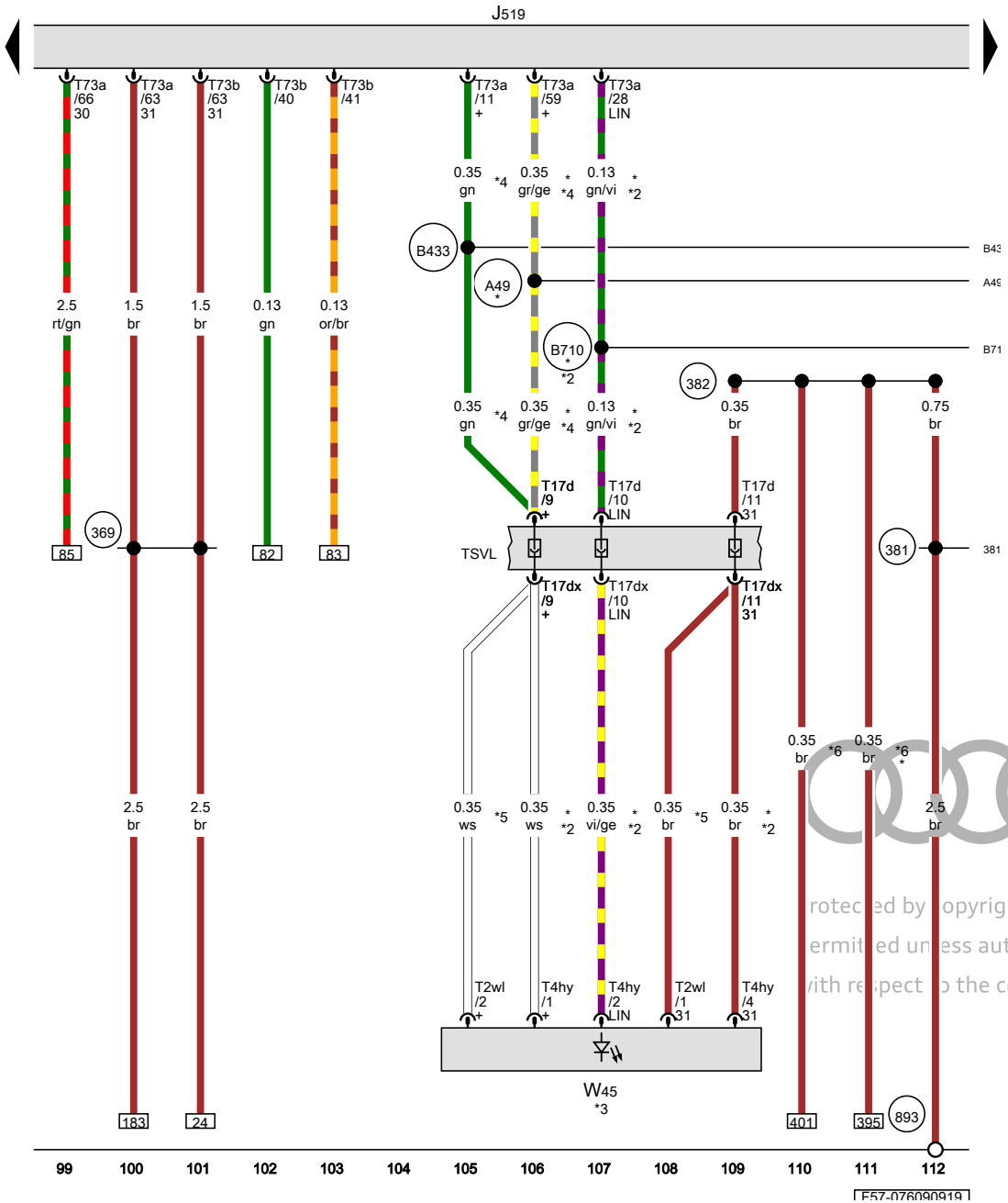
Onboard supply control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB1	Fuse 1 on fuse holder B
ST2	Fuse carrier 2, red
ST3	Fuse carrier 3, black
SB3	Fuse 3 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
T73a	73-pin connector, black
T73b	73-pin connector, black
B266	Positive connection 1 (30a, door control unit), in interior wiring harness
B267	Positive connection 2 (30a, door control unit), in interior wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Anti-theft alarm system with interior monitoring
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, Rear left footwell light

J519	Onboard supply control unit
T2wl	2-pin connector, brown
T4hy	4-pin connector, brown
T17d	17-pin connector, red
T17dx	17-pin connector, red
T73a	73-pin connector, black
T73b	73-pin connector, black
TSVL	Coupling point for front left seat
W45	Rear left footwell light
369	Earth connection 4, in main wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
A49	Connection 1, in dash panel wiring harness
B433	Connection (footwell light), in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	Optional equipment
*2	Up to September 2019
*3	For models with additional lights
*4	Cross section depends on equipment
*5	According to equipment
*6	Coupé

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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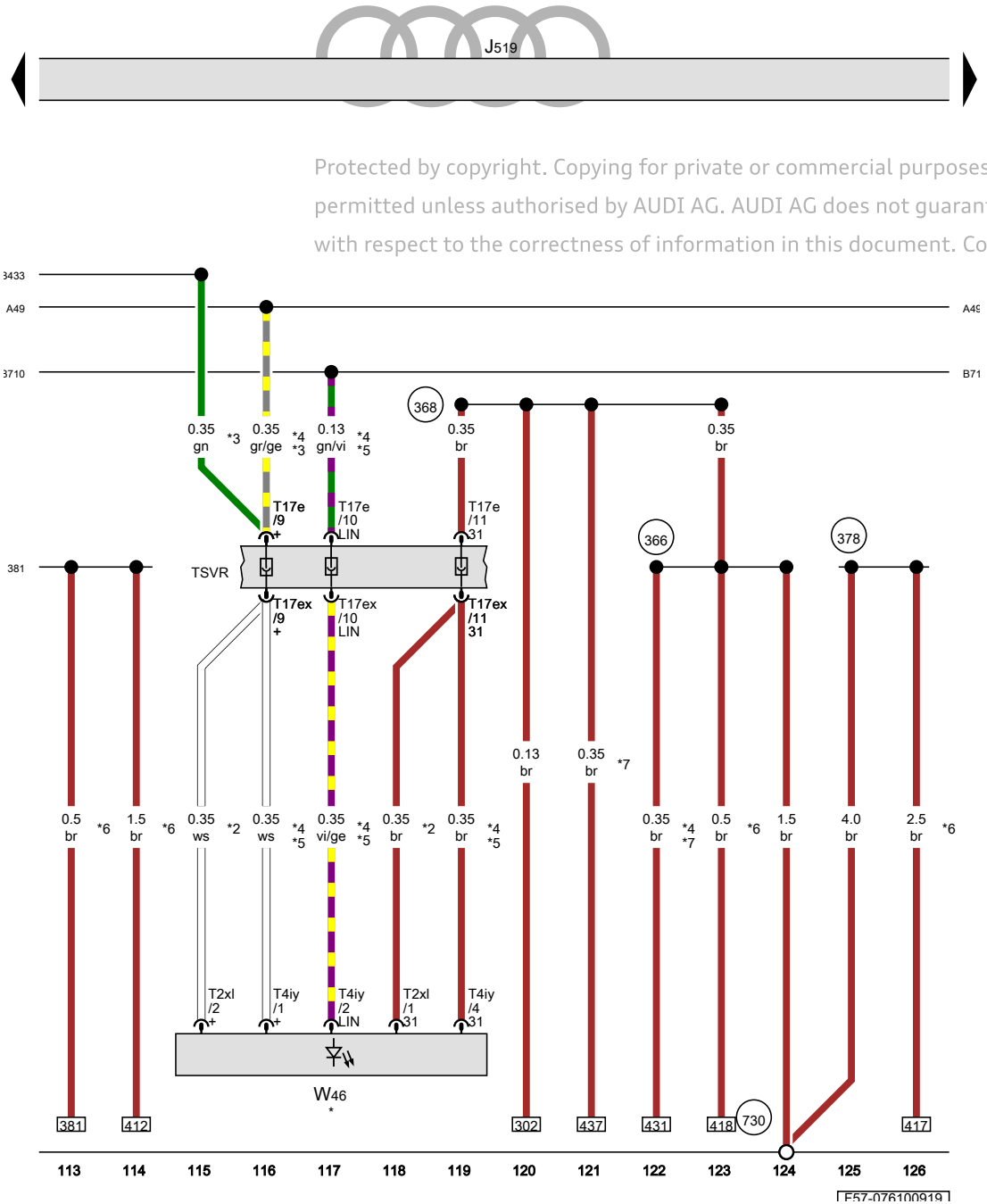

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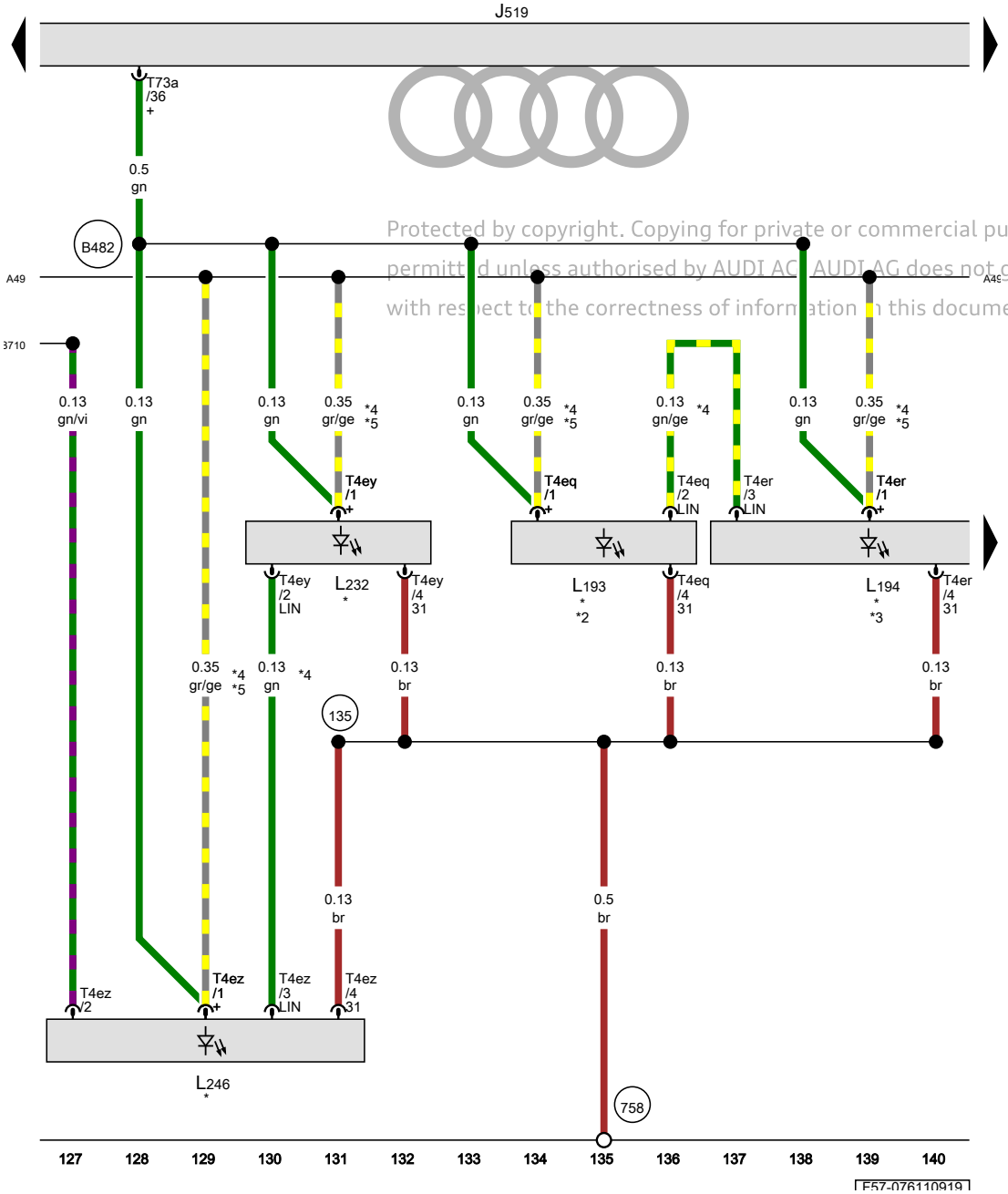
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, Rear right footwell light

J519	Onboard supply control unit
T2xl	2-pin connector, brown
T4iy	4-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSVR	Coupling point for front right seat
W46	Rear right footwell light
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
378	Earth connection 13, in main wiring harness
381	Earth connection 16, in main wiring harness
730	Earth point 1, on right rear wheel housing
A49	Connection 1, in dash panel wiring harness
B433	Connection (footwell light), in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	For models with additional lights
*2	According to equipment
*3	Cross section depends on equipment
*4	Optional equipment
*5	Up to September 2019
*6	For Cabriolet models
*7	Coupé



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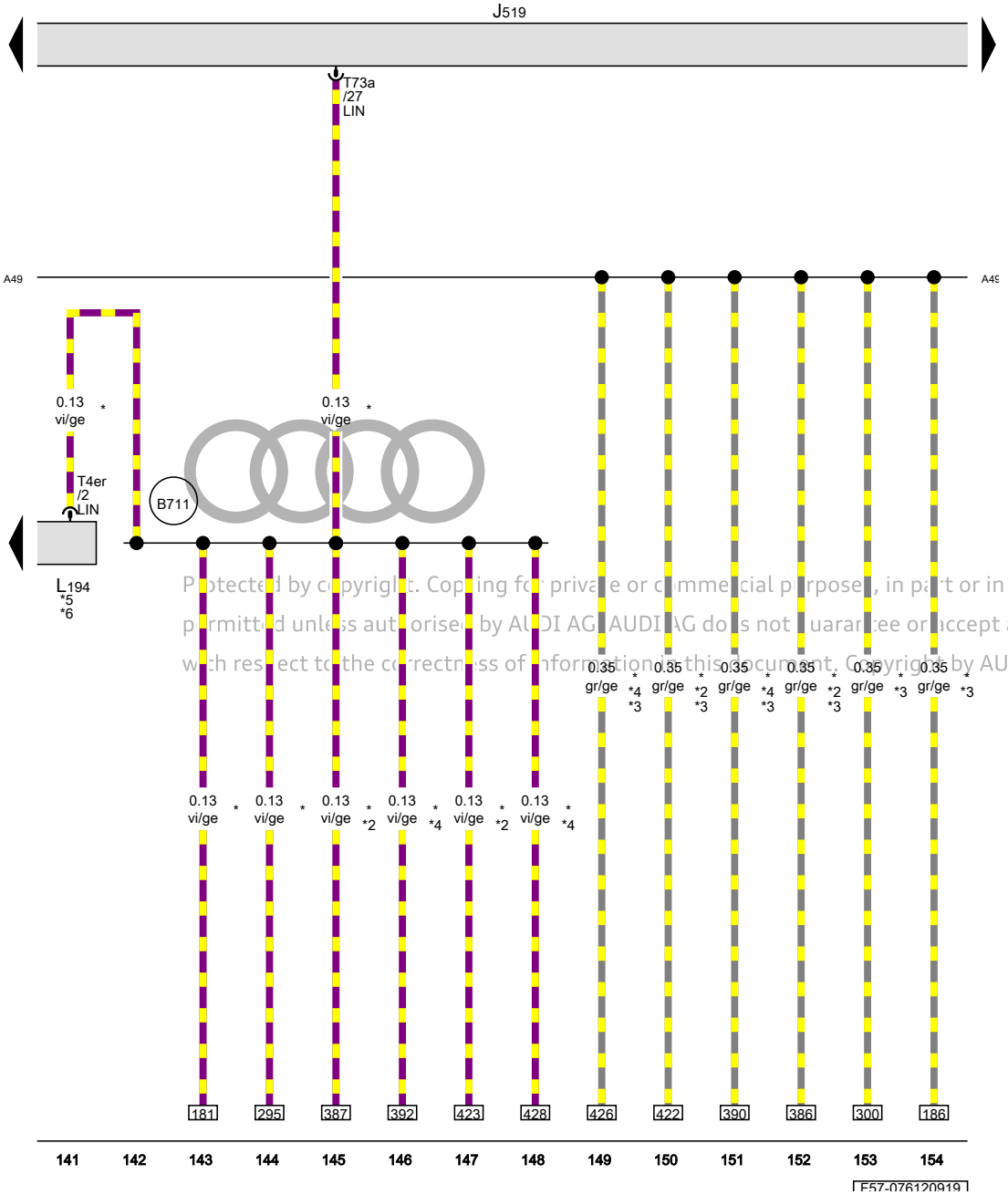
Onboard supply control unit, Light 1 for front centre console background lighting, Light 2 for front centre console background lighting, Light for cup holder background lighting, Light 2 for cup holder background lighting

J519	Onboard supply control unit
L193	Light 1 for front centre console background lighting
L194	Light 2 for front centre console background lighting
L232	Light for cup holder background lighting
L246	Light 2 for cup holder background lighting
T4eq	4-pin connector, black
T4er	4-pin connector, black
T4ey	4-pin connector, brown
T4ez	4-pin connector, brown
T73a	73-pin connector, black
135	Earth connection 2, in dash panel wiring harness
758	Earth point 3, on centre tunnel
A49	Connection 1, in dash panel wiring harness
B482	Connection 18, in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	For models with additional lights
*2	left
*3	right
*4	Optional equipment
*5	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Onboard supply control unit, Light 2 for front centre console background lighting



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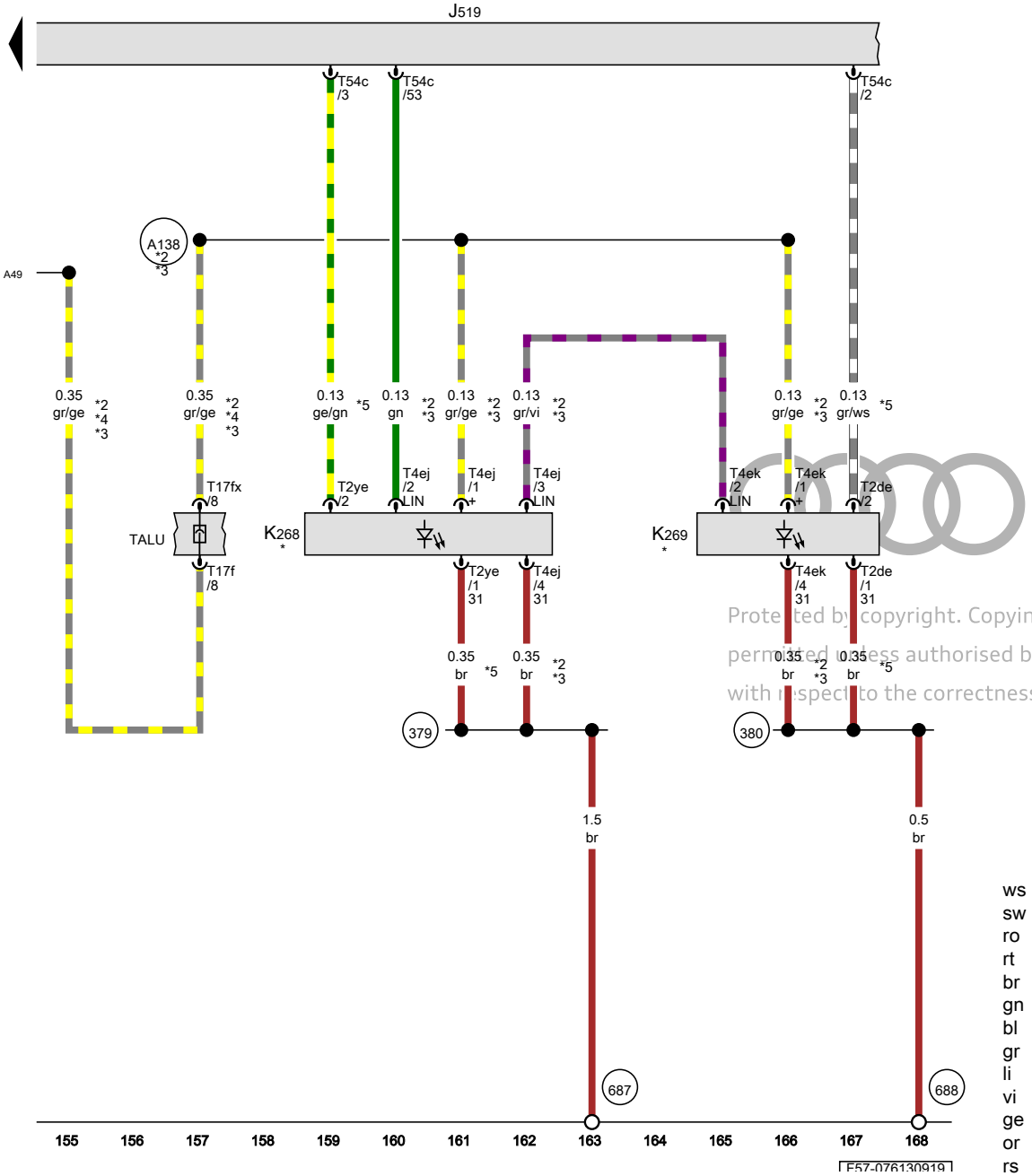
J519	Onboard supply control unit
L194	Light 2 for front centre console background lighting
T4er	4-pin connector, black
T73a	73-pin connector, black
A49	Connection 1, in dash panel wiring harness
B711	Connection 6 (LIN bus) in main wiring harness
*	Optional equipment
*2	Coupé
*3	Cross section depends on equipment
*4	For Cabriolet models
*5	For models with additional lights
*6	right

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Onboard supply control unit, Front left footwell light, Front right footwell light



J519	Onboard supply control unit
K268	Front left footwell light
K269	Front right footwell light
T2de	2-pin connector, black
T2ye	2-pin connector, black
T4ej	4-pin connector, black
T4ek	4-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T54c	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A49	Connection 1, in dash panel wiring harness
A138	Connection 2, in dash panel wiring harness
*	For models with additional lights
*2	Optional equipment
*3	Up to September 2019
*4	Cross section depends on equipment
*5	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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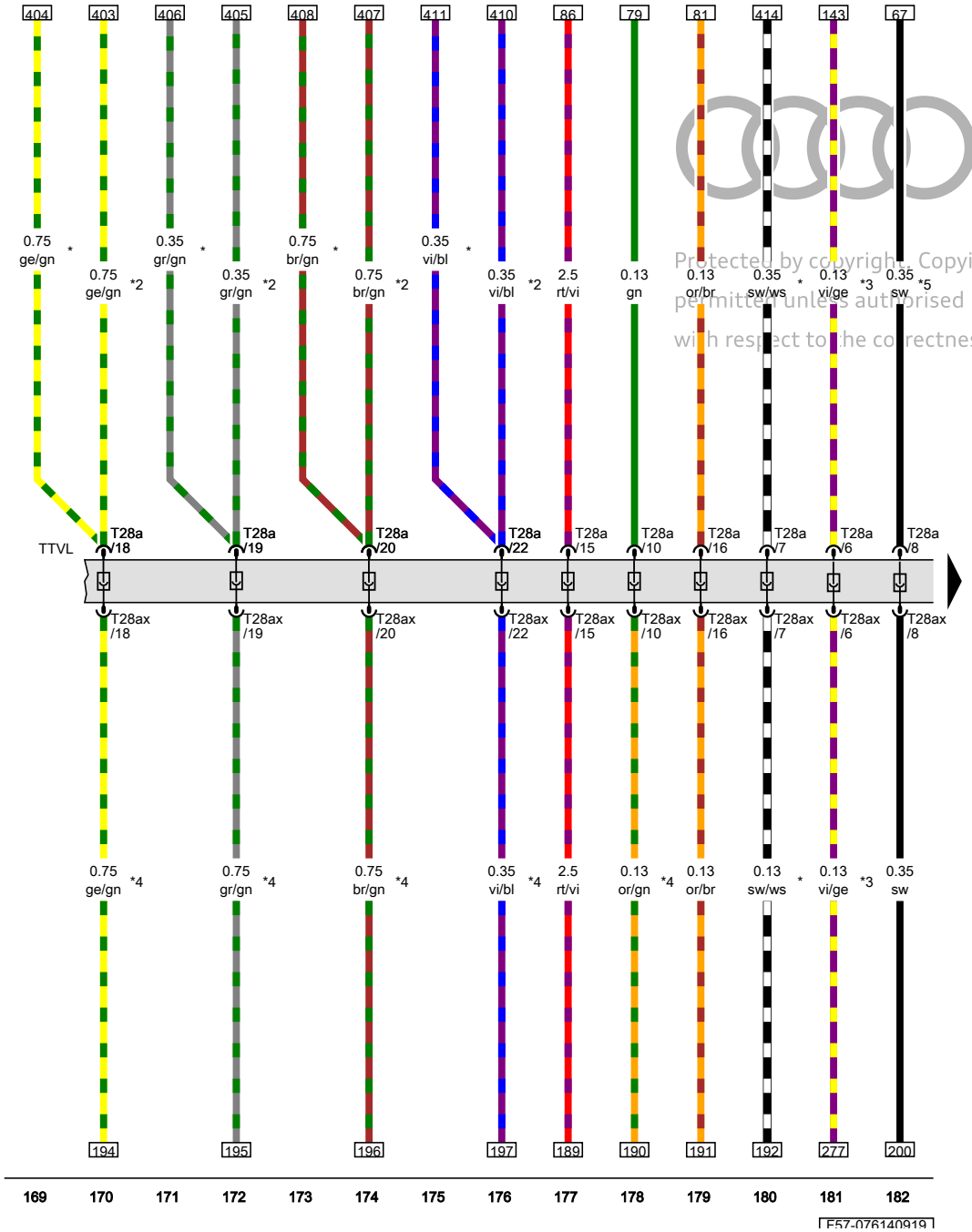

Coupling point for front left door

T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
*	For Cabriolet models
*2	Coupé
*3	Optional equipment
*4	Different wire colour possible
*5	Cross section depends on equipment

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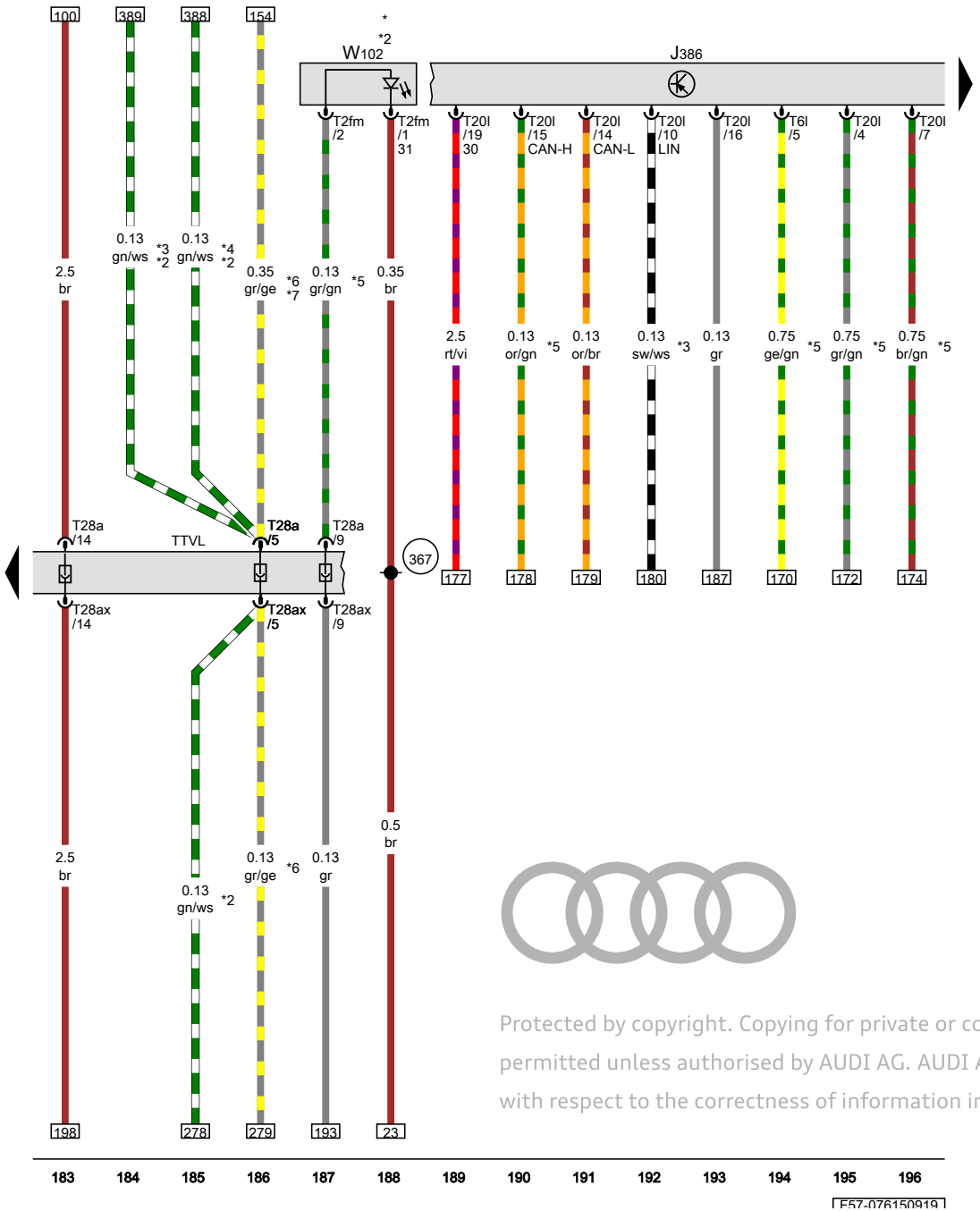

Driver door control unit, Coupling point for front left door, Light for sill panel moulding background lighting, driver side

J386	Driver door control unit
T2fm	2-pin connector, black
T6l	6-pin connector, black
T20l	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
W102	Light for sill panel moulding background lighting, driver side
367	Earth connection 2, in main wiring harness
*	Pre-wired component
*2	For models with additional lights
*3	For Cabriolet models
*4	Coupé
*5	Different wire colour possible
*6	Optional equipment
*7	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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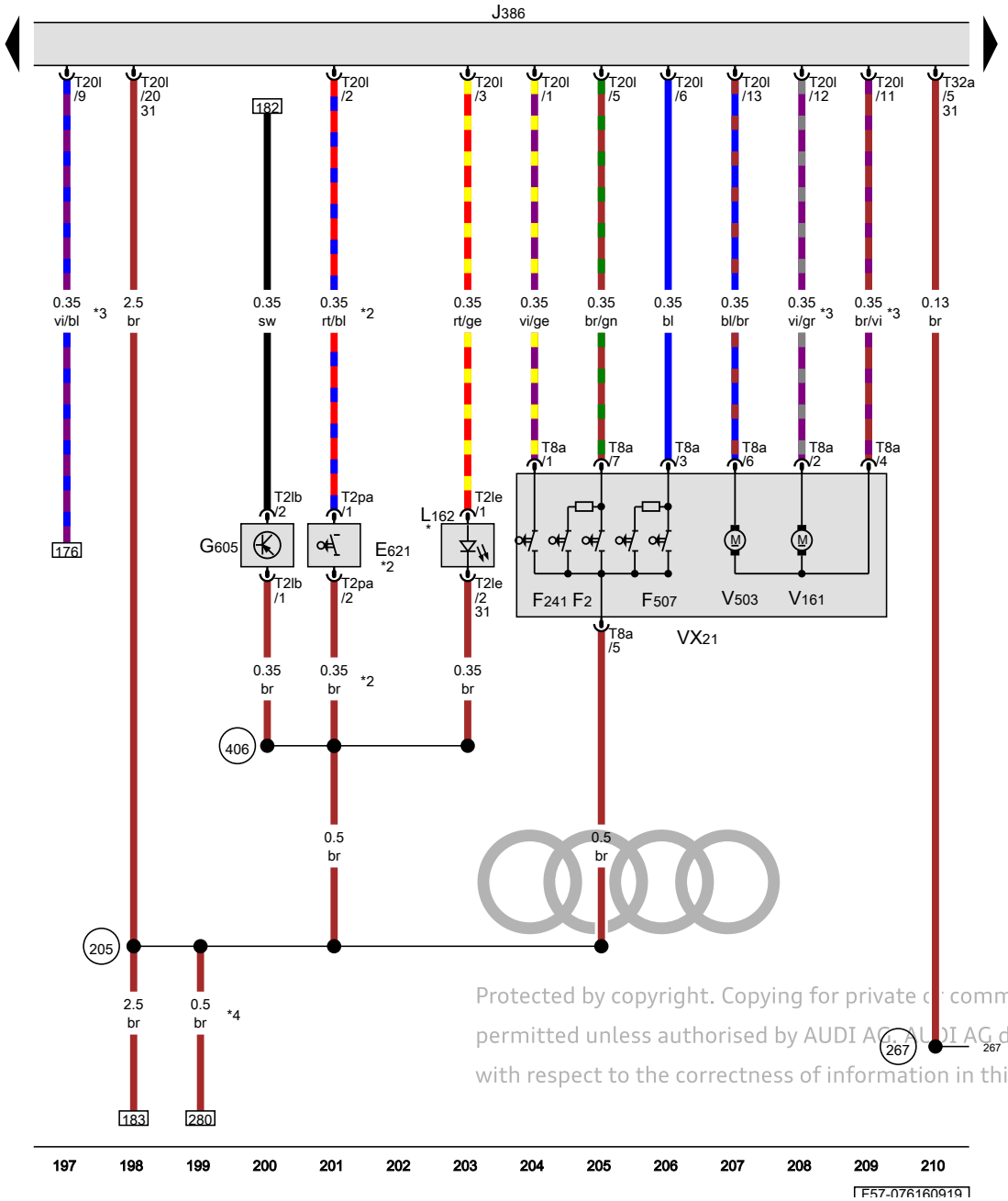

Microswitch for lowering driver window, Contact sensor for front left exterior door handle, Driver door control unit, Front left exterior door handle illumination bulb, Driver door lock unit

E621	Microswitch for lowering driver window
F2	Driver door contact switch
F241	Driver side contact switch in lock cylinder
F507	Driver side central locking actuator
G605	Contact sensor for front left exterior door handle
J386	Driver door control unit
L162	Front left exterior door handle illumination bulb
T2lb	2-pin connector, black
T2le	2-pin connector, colourless
T2pa	2-pin connector
T8a	8-pin connector, black
T20l	20-pin connector, white
T32a	32-pin connector, blue
VX21	Driver door lock unit
V161	Driver door central locking SAFELOCK function motor
V503	Central locking motor on driver side
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in drive side door wiring harness
406	Earth connection 5, in drive side door wiring harness
*	For models with additional lights
*2	For Cabriolet models
*3	Different wire colour possible
*4	Optional equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
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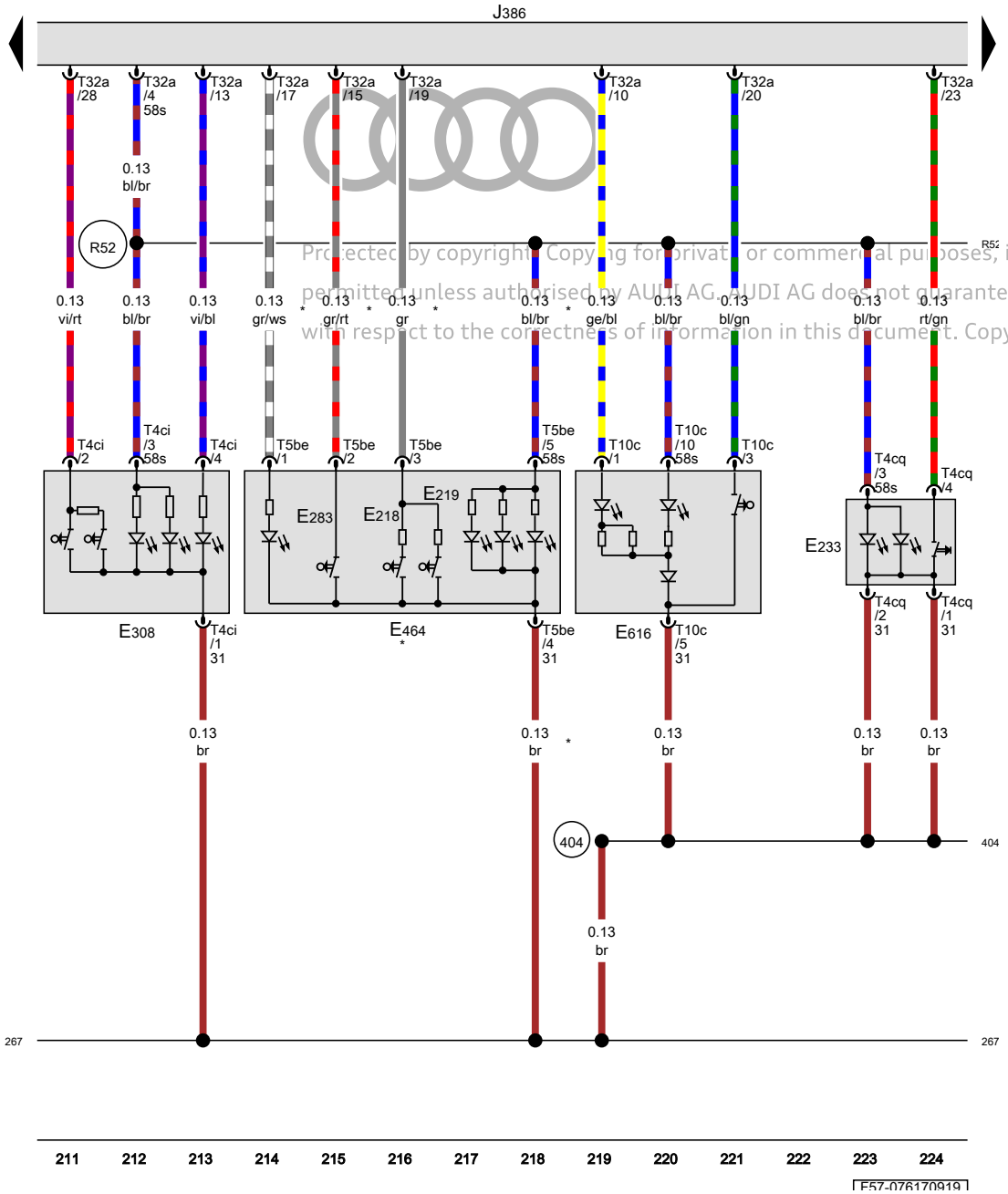

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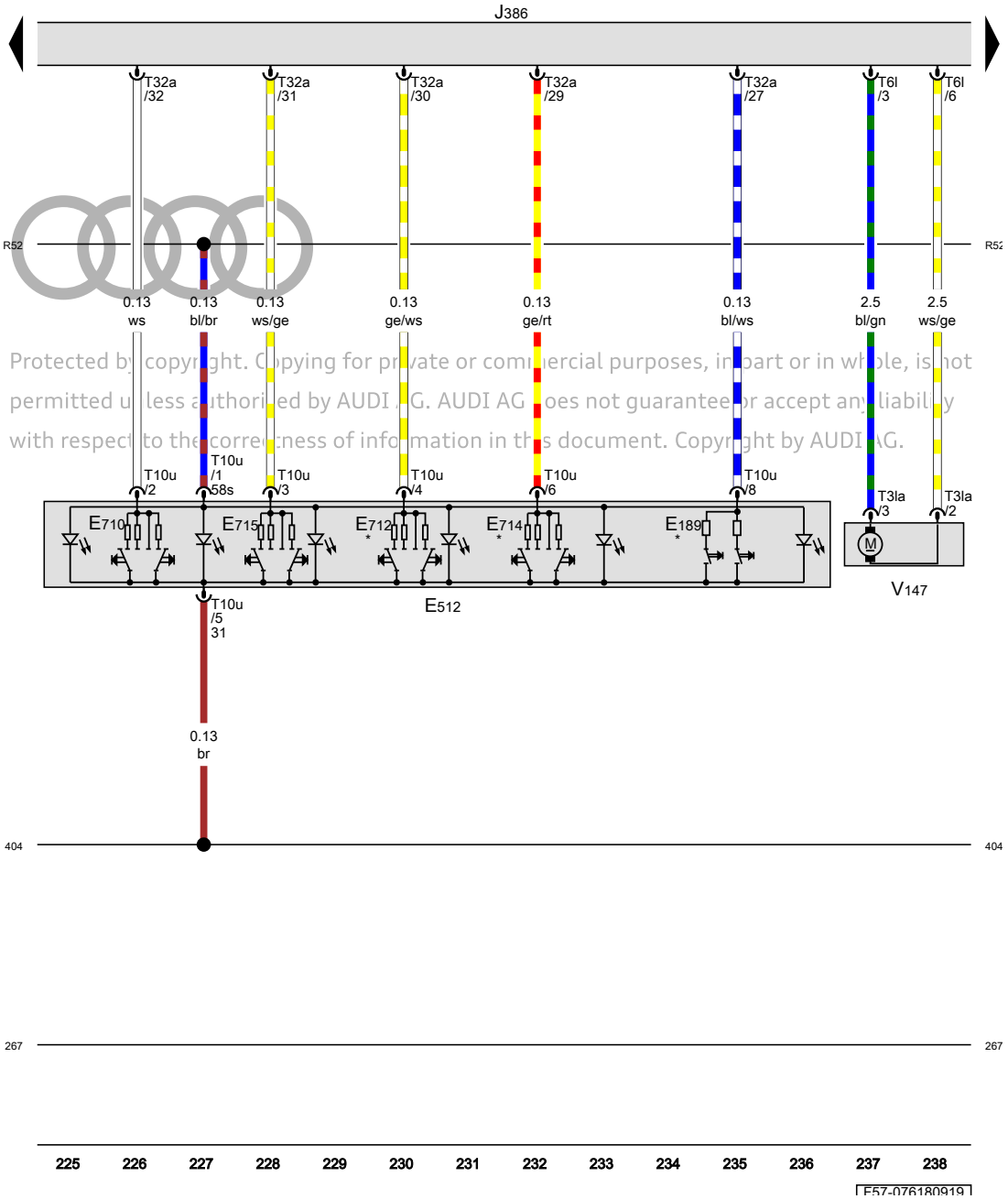
Rear lid remote release button, Driver side interior locking button for central locking system, Driver operating unit for memory settings, Button for deactivating interior monitoring and vehicle inclination sensor, Driver door control unit

E218	Seat memory position button 1
E219	Seat memory position button 2
E233	Rear lid remote release button
E283	Driver seat memory function button
E308	Driver side interior locking button for central locking system
E464	Driver operating unit for memory settings
E616	Button for deactivating interior monitoring and vehicle inclination sensor
J386	Driver door control unit
T4ci	4-pin connector, brown
T4cq	4-pin connector, brown
T5be	5-pin connector, black
T10c	10-pin connector, black
T32a	32-pin connector, blue
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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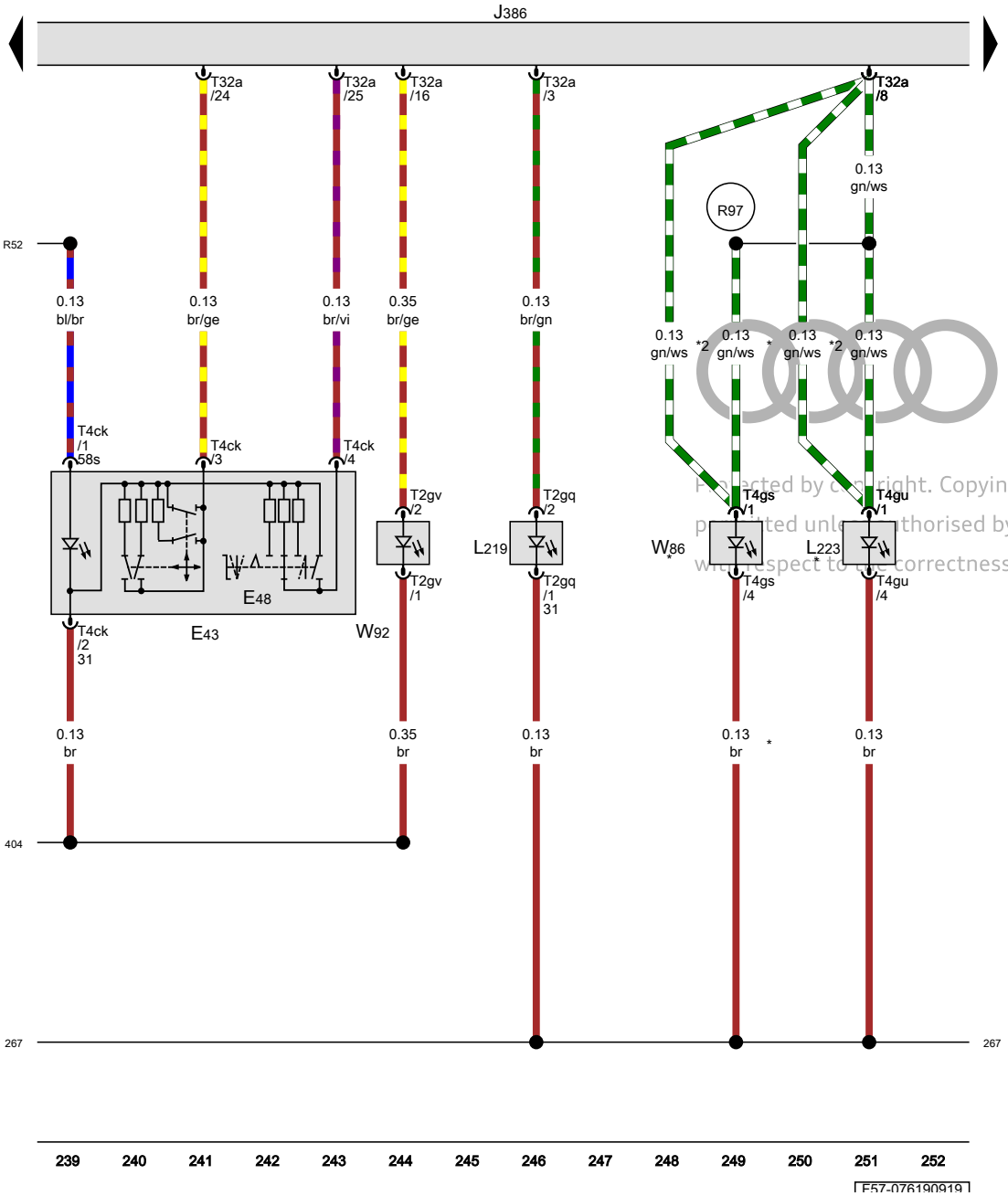
rs = pink

Operating unit for window regulator in driver door, Driver door control unit, Driver side window regulator motor

E189	Central switch for window regulators in driver door
E512	Operating unit for window regulator in driver door
E710	Front driver side window regulator button
E712	Rear driver side window regulator button, in driver door
E714	Rear passenger side window regulator button, in driver door
E715	Front passenger side window regulator button, in driver door
J386	Driver door control unit
T3la	3-pin connector, blue
T6l	6-pin connector, black
T10u	10-pin connector, black
T32a	32-pin connector, blue
V147	Driver side window regulator motor
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	For Cabriolet models



Mirror adjustment switch, Mirror adjustment changeover switch, Driver door control unit, Light for driver side interior door handle illumination, Light for driver side door loudspeaker trim, Light for driver door background lighting, Driver side entry light

E43	Mirror adjustment switch
E48	Mirror adjustment changeover switch
J386	Driver door control unit
L219	Light for driver side interior door handle illumination
L223	Light for driver side door loudspeaker trim
T2gq	2-pin connector, brown
T2gv	2-pin connector, black
T4ck	4-pin connector, brown
T4gs	4-pin connector, black
T4gu	4-pin connector, brown
T32a	32-pin connector, blue
W86	Light for driver door background lighting
W92	Driver side entry light
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
R97	Connection 4 in driver side door wiring harness
*	For models with additional lights
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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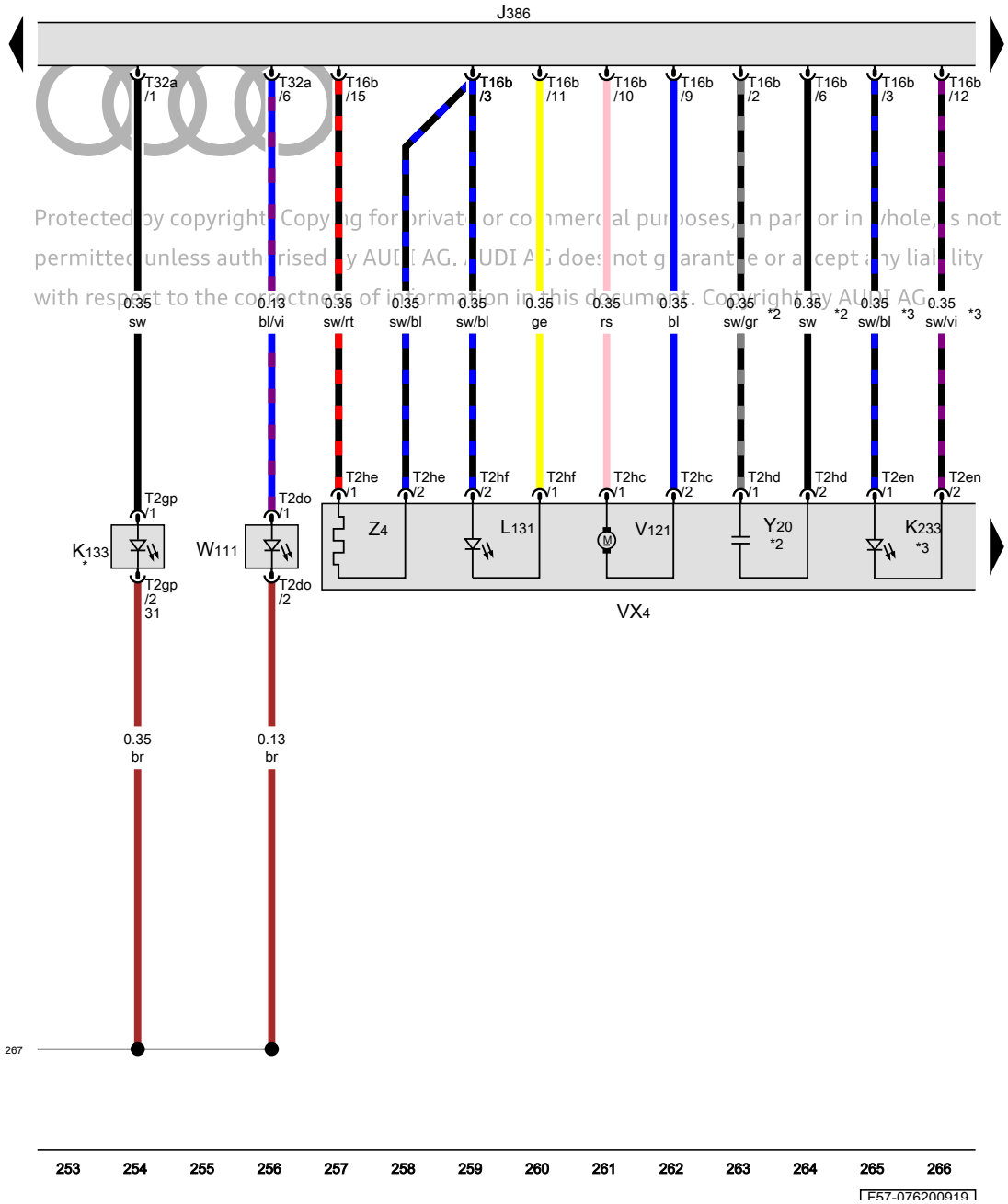

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Driver door control unit, Central locking SAFELOCK function warning lamp, Driver side exterior mirror, Exit warning lamp, driver side

J386	Driver door control unit
K133	Central locking SAFELOCK function warning lamp
K233	Lane change assist warning lamp in driver side exterior mirror
L131	Driver side turn signal repeater bulb
T2do	2-pin connector, black
T2en	2-pin connector, black
T2gp	2-pin connector, black
T2hc	2-pin connector, black
T2hd	2-pin connector, black
T2he	2-pin connector, black
T2hf	2-pin connector, brown
T16b	16-pin connector, white
T32a	32-pin connector, blue
VX4	Driver side exterior mirror
V121	Driver side fold-in mirror motor
W111	Exit warning lamp, driver side
Y20	Automatic anti-dazzle exterior mirror, driver side
Z4	Heated exterior mirror on driver side
267	Earth connection 2, in drive side door wiring harness
*	Pre-wired component
*2	For models with automatic anti-dazzle exterior mirror
*3	For models with lane change assist

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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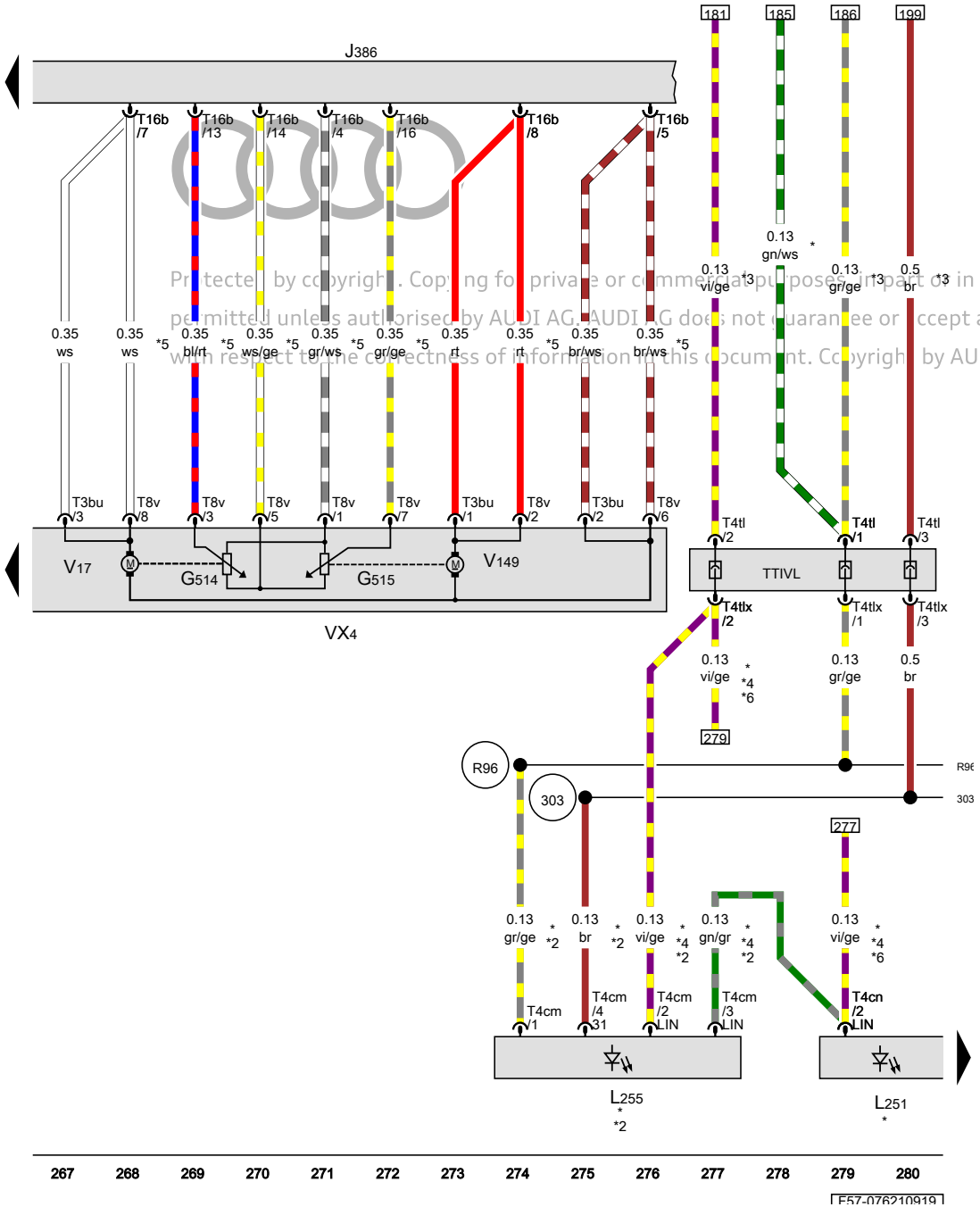
rs	=	pink



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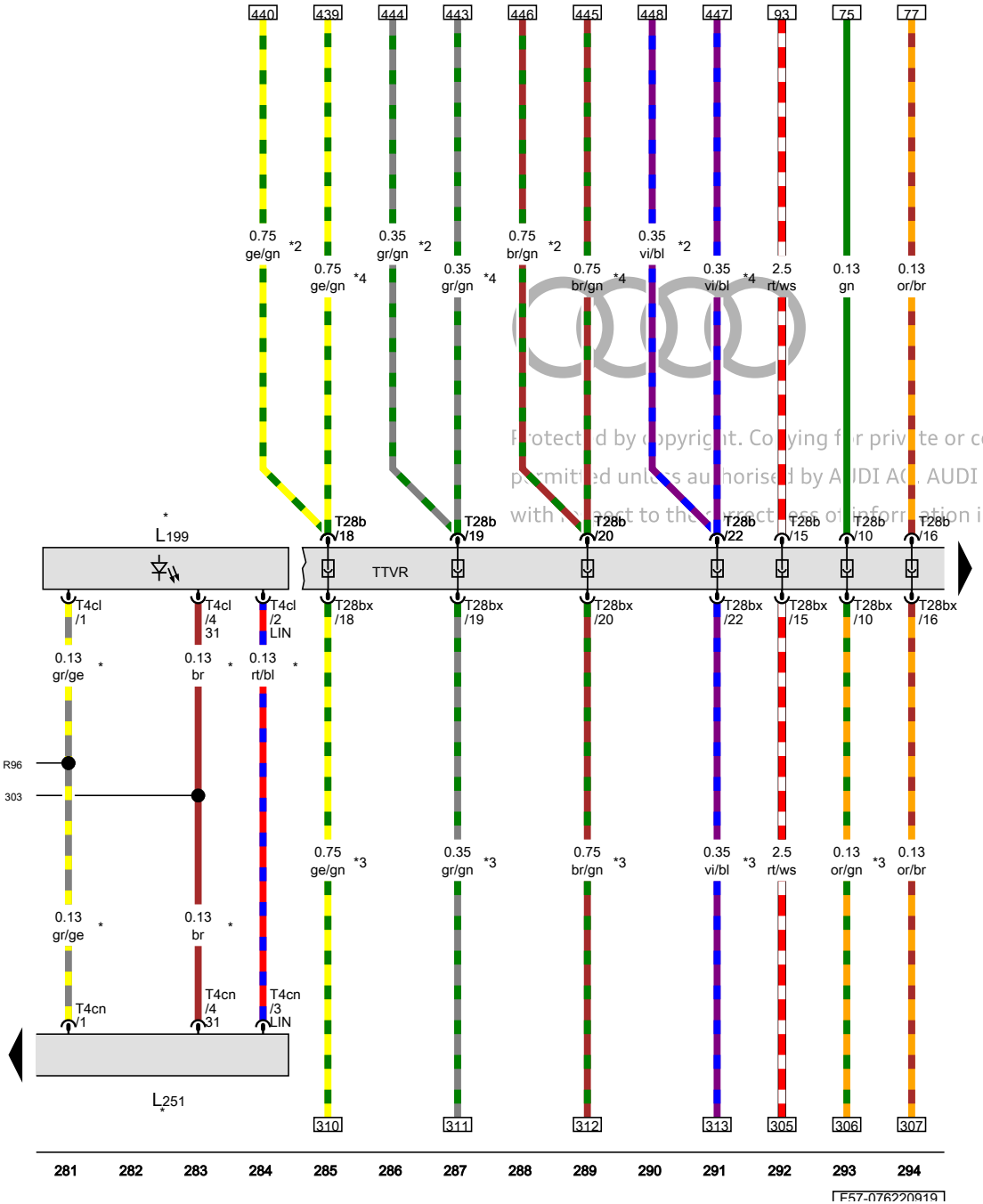
or = orange
rs = pink

Driver door control unit, Light for front left door contour lighting, Light for left door storage compartment illumination, Coupling point in front left door, Driver side exterior mirror

G514	Potentiometer for horizontal adjustment of driver side mirror
G515	Potentiometer for vertical adjustment of driver side mirror
J386	Driver door control unit
L251	Light for front left door contour lighting
L255	Light for left door storage compartment illumination
T3bu	3-pin connector, black
T4cm	4-pin connector, black
T4cn	4-pin connector, red
T4tl	4-pin connector, black
T4tlx	4-pin connector, black
T8v	8-pin connector, black
T16b	16-pin connector, white
TTIVL	Coupling point in front left door
VX4	Driver side exterior mirror
V17	Driver side mirror adjustment motor 2
V149	Driver side mirror adjustment motor
303	Earth connection 3, in drive side door wiring harness
R96	Connection 3 in driver side door wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	Optional equipment
*4	According to equipment
*5	For models with electric seat adjustment and memory function
*6	From October 2019



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Light 1 for front left door background lighting, Light for front left door contour lighting, Coupling point for front right door

L199	Light 1 for front left door background lighting
L251	Light for front left door contour lighting
T4cl	4-pin connector, brown
T4cn	4-pin connector, red
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVR	Coupling point for front right door
303	Earth connection 3, in drive side door wiring harness
R96	Connection 3 in driver side door wiring harness
*	For models with additional lights
*2	For Cabriolet models
*3	Different wire colour possible
*4	Coupé

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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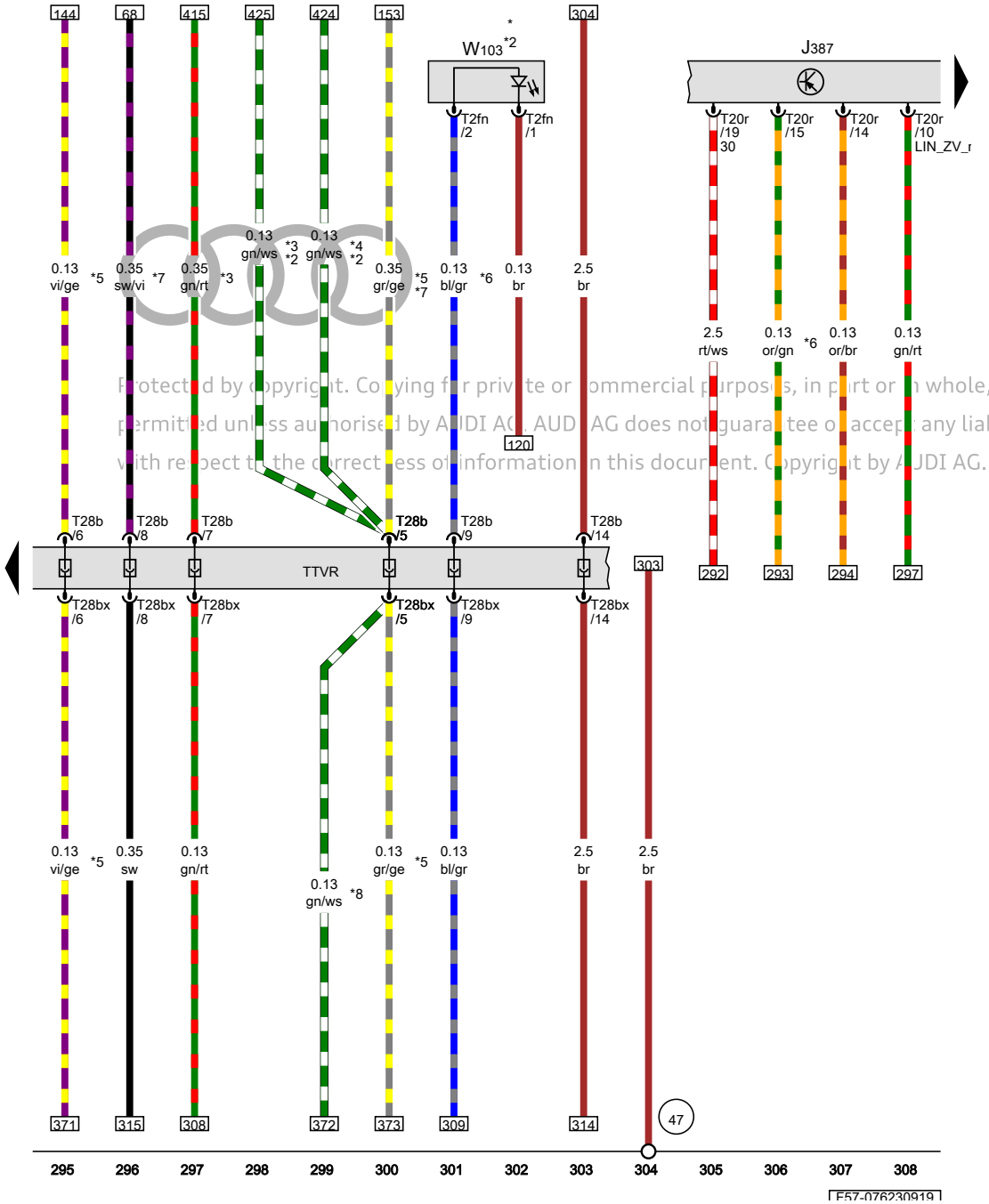

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li = purple
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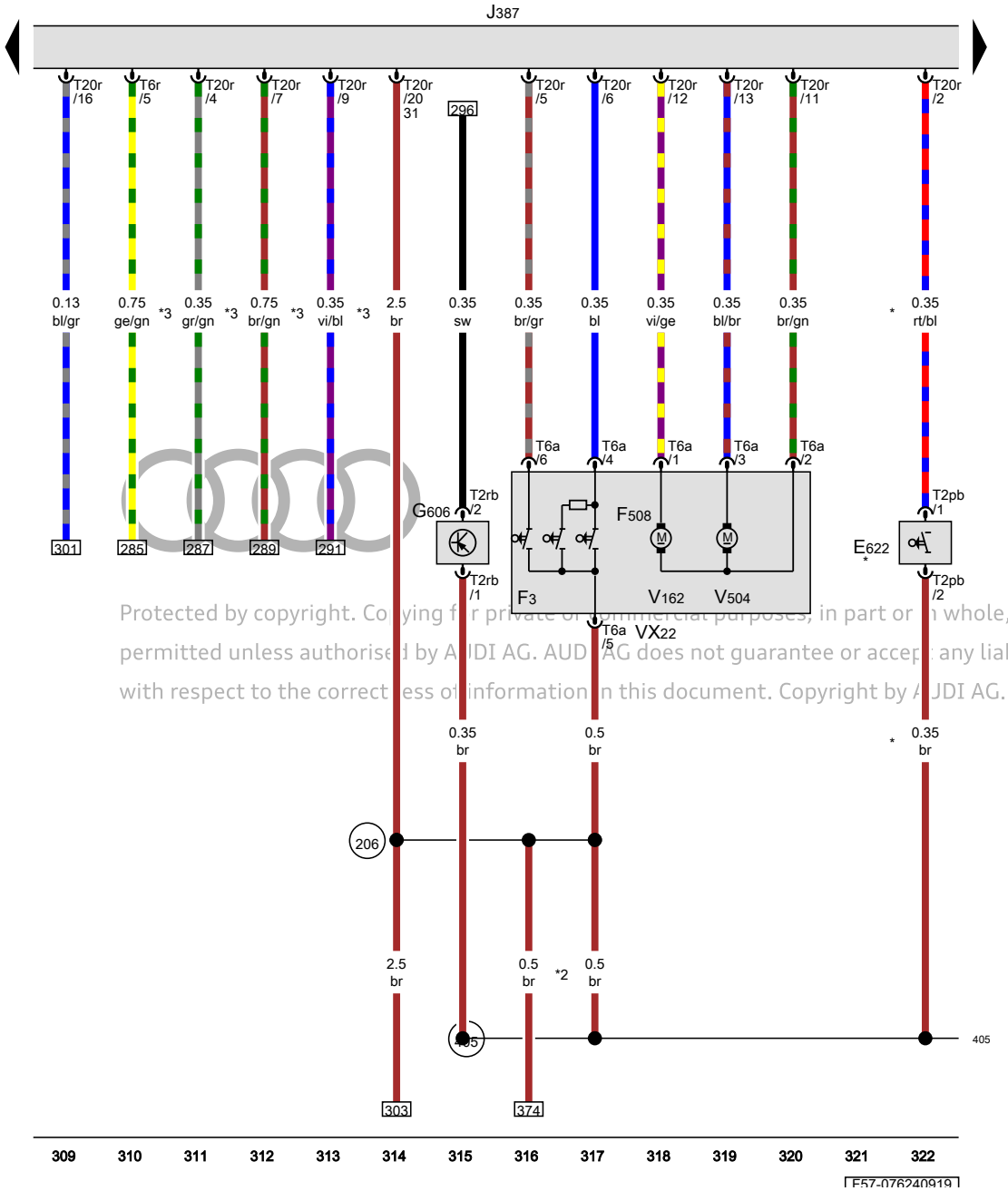
rs = pink

Front passenger door control unit, Coupling point for front right door, Light for sill panel moulding background lighting, front passenger side

J387	Front passenger door control unit
T2fn	2-pin connector, black
T20r	20-pin connector, white
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVR	Coupling point for front right door
W103	Light for sill panel moulding background lighting, front passenger side
47	Earth point, in front right footwell
*	Pre-wired component
*2	For models with additional lights
*3	For Cabriolet models
*4	Coupé
*5	Optional equipment
*6	Different wire colour possible
*7	Cross section depends on equipment
*8	According to equipment



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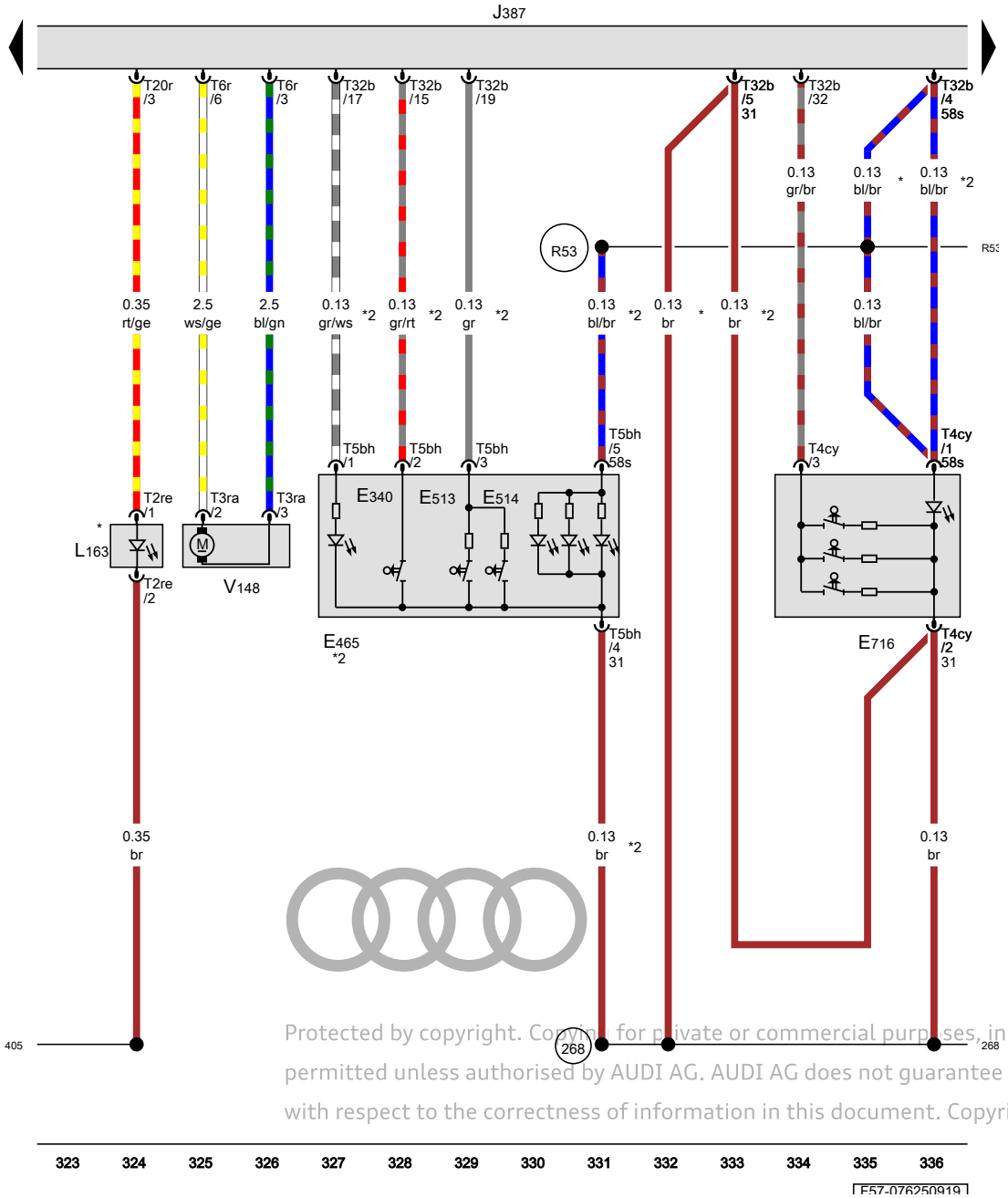
Microswitch for lowering front passenger window, Front passenger door control unit, Front passenger door lock unit

E622	Microswitch for lowering front passenger window
F3	Front passenger door contact switch
F508	Passenger side central locking actuator
G606	Contact sensor for front right exterior door handle
J387	Front passenger door control unit
T2pb	2-pin connector, black
T2rb	2-pin connector, black
T6a	6-pin connector, black
T6r	6-pin connector, black
T20r	20-pin connector, white
VX22	Front passenger door lock unit
V162	Front passenger door central locking SAFELOCK function motor
V504	Central locking motor on front passenger side
206	Earth connection, in front passenger door wiring harness
405	Earth connection 4, in front passenger side door wiring harness
*	For Cabriolet models
*2	Optional equipment
*3	Different wire colour possible



Front passenger operating unit for memory settings, Front passenger side window regulator button, Front passenger door control unit, Front passenger side window regulator motor

E340	Front passenger seat memory function button
E465	Front passenger operating unit for memory settings
E513	Seat memory position button 1 in front passenger door
E514	Seat memory position button 2 in front passenger door
E716	Front passenger side window regulator button
J387	Front passenger door control unit
L163	Front right exterior door handle illumination bulb
T2re	2-pin connector, colourless
T3ra	3-pin connector, blue
T4cy	4-pin connector, brown
T5bh	5-pin connector, black
T6r	6-pin connector, black
T20r	20-pin connector, white
T32b	32-pin connector, blue
V148	Front passenger side window regulator motor
268	Earth connection 2, in front passenger side door wiring harness
405	Earth connection 4, in front passenger side door wiring harness
R53	Connection (58s), in driver side door wiring harness
*	Optional equipment
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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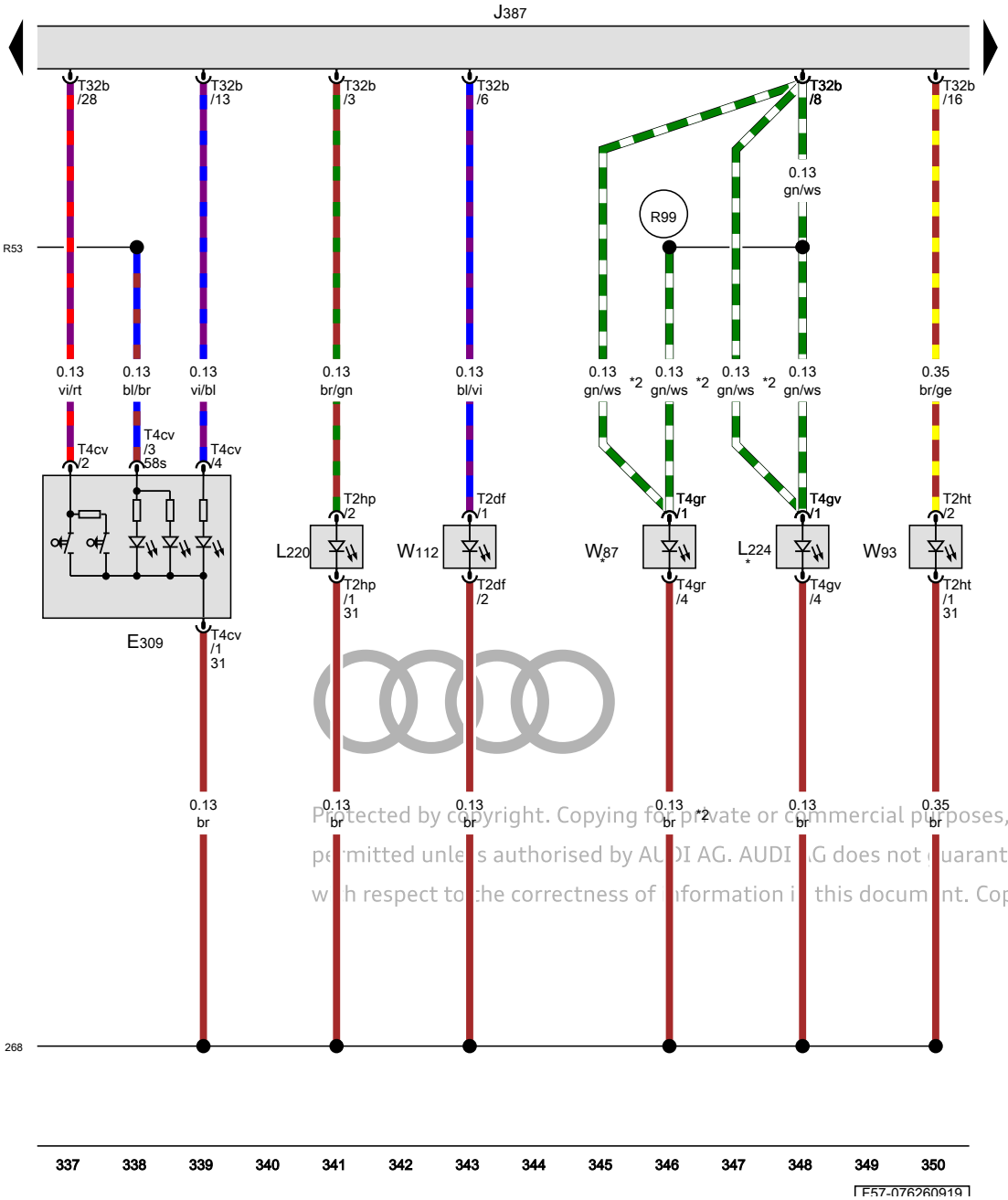

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Front passenger side interior locking button for central locking system, Front passenger door control unit, Light for passenger side interior door handle illumination, Light for passenger side door loudspeaker trim, Light for passenger door background lighting, Passenger side entry light, Exit warning lamp, front passenger side

E309	Front passenger side interior locking button for central locking system
J387	Front passenger door control unit
L220	Light for passenger side interior door handle illumination
L224	Light for passenger side door loudspeaker trim
T2df	2-pin connector, black
T2hp	2-pin connector, brown
T2ht	2-pin connector, black
T4cv	4-pin connector, brown
T4gr	4-pin connector, black
T4gv	4-pin connector, brown
T32b	32-pin connector, blue
W87	Light for passenger door background lighting
W93	Passenger side entry light
W112	Exit warning lamp, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
R53	Connection (58s), in driver side door wiring harness
R99	Connection 2 in front passenger side door wiring harness
*	For models with additional lights
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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gn	=	green
bl	=	blue
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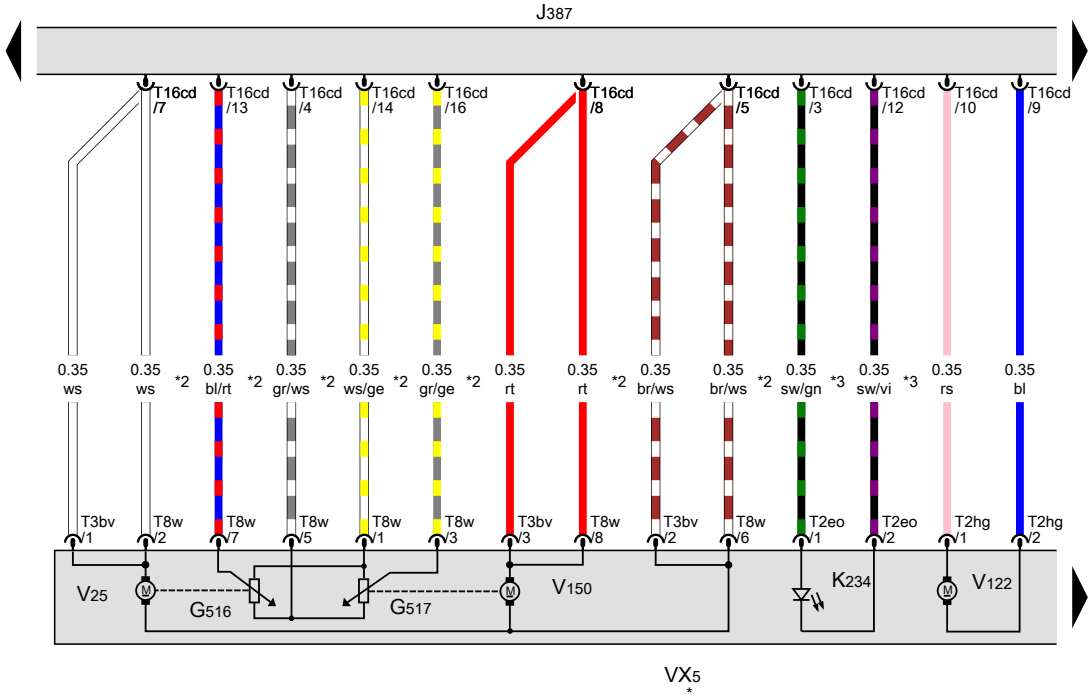

Front passenger door control unit, Passenger side exterior mirror

G516	Potentiometer for horizontal adjustment of front passenger side mirror
G517	Potentiometer for vertical adjustment of front passenger side mirror
J387	Front passenger door control unit
K234	Lane change assist warning lamp in passenger side exterior mirror
T2eo	2-pin connector, black
T2hg	2-pin connector, black
T3bv	3-pin connector, black
T8w	8-pin connector, black
T16cd	16-pin connector, white
VX5	Passenger side exterior mirror
V25	Front passenger side mirror adjustment motor 2
V122	Front passenger side fold-in mirror motor
V150	Front passenger side mirror adjustment motor
*	According to equipment
*2	For models with electric seat adjustment and memory function
*3	For models with lane change assist

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rt	=	red
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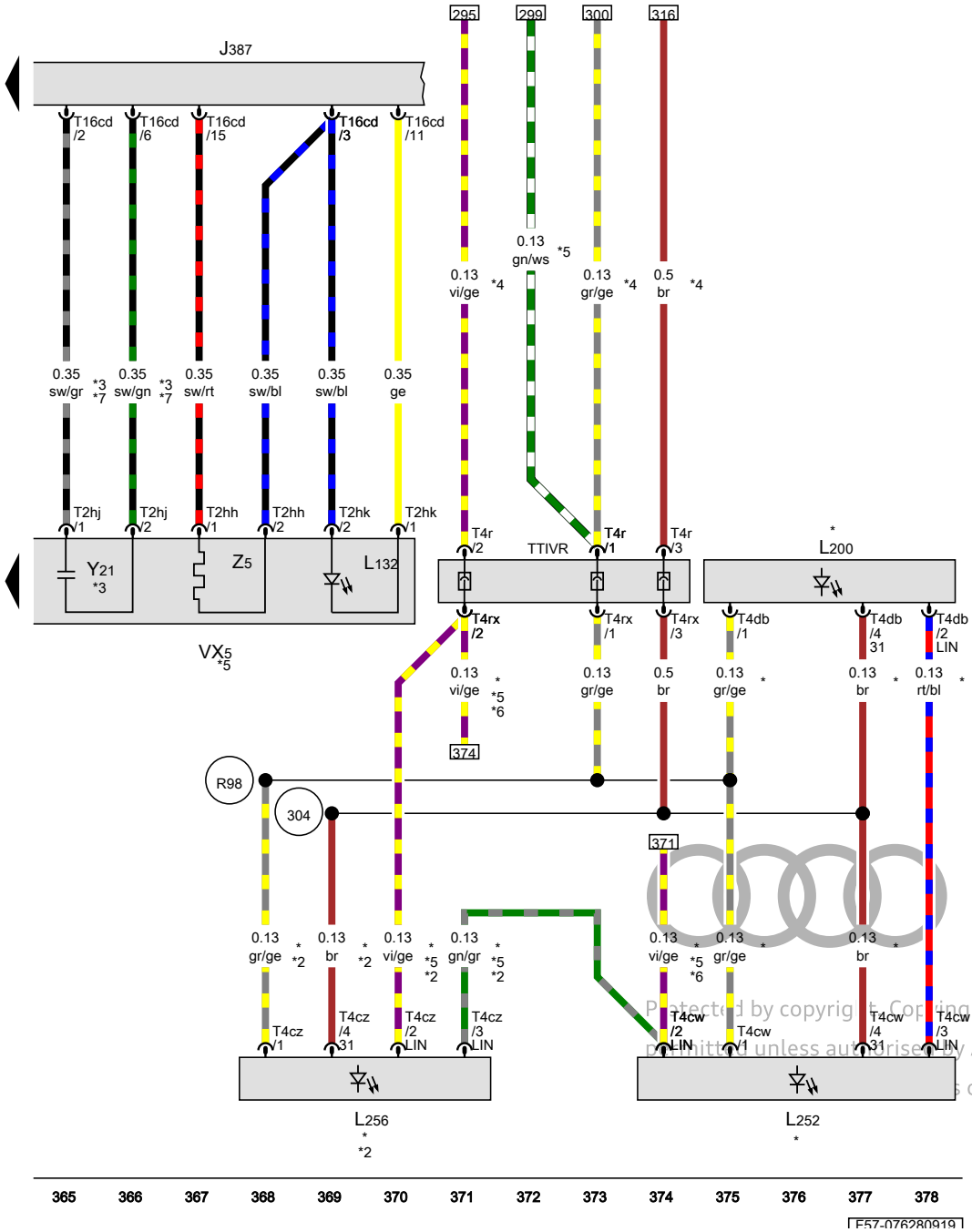

Front passenger door control unit, Light 1 for front right door background lighting, Light for front right door contour lighting, Light for right door storage compartment illumination, Coupling point in front right door, Passenger side exterior mirror

J387	Front passenger door control unit
L132	Front passenger side turn signal repeater bulb
L200	Light 1 for front right door background lighting
L252	Light for front right door contour lighting
L256	Light for right door storage compartment illumination
T2hh	2-pin connector, black
T2hj	2-pin connector, black
T2hk	2-pin connector, brown
T4cw	4-pin connector, red
T4cz	4-pin connector, black
T4db	4-pin connector, brown
T4r	4-pin connector, black
T4rx	4-pin connector, black
T16cd	16-pin connector, white
TTIVR	Coupling point in front right door
VX5	Passenger side exterior mirror
Y21	Automatic anti-dazzle exterior mirror, passenger side
Z5	Heated exterior mirror on passenger side
304	Earth connection 3, in front passenger side door wiring harness
R98	Connection 1 in front passenger side door wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	If fitted
*4	Optional equipment
*5	According to equipment
*6	From October 2019
*7	For models with automatic anti-dazzle exterior mirror

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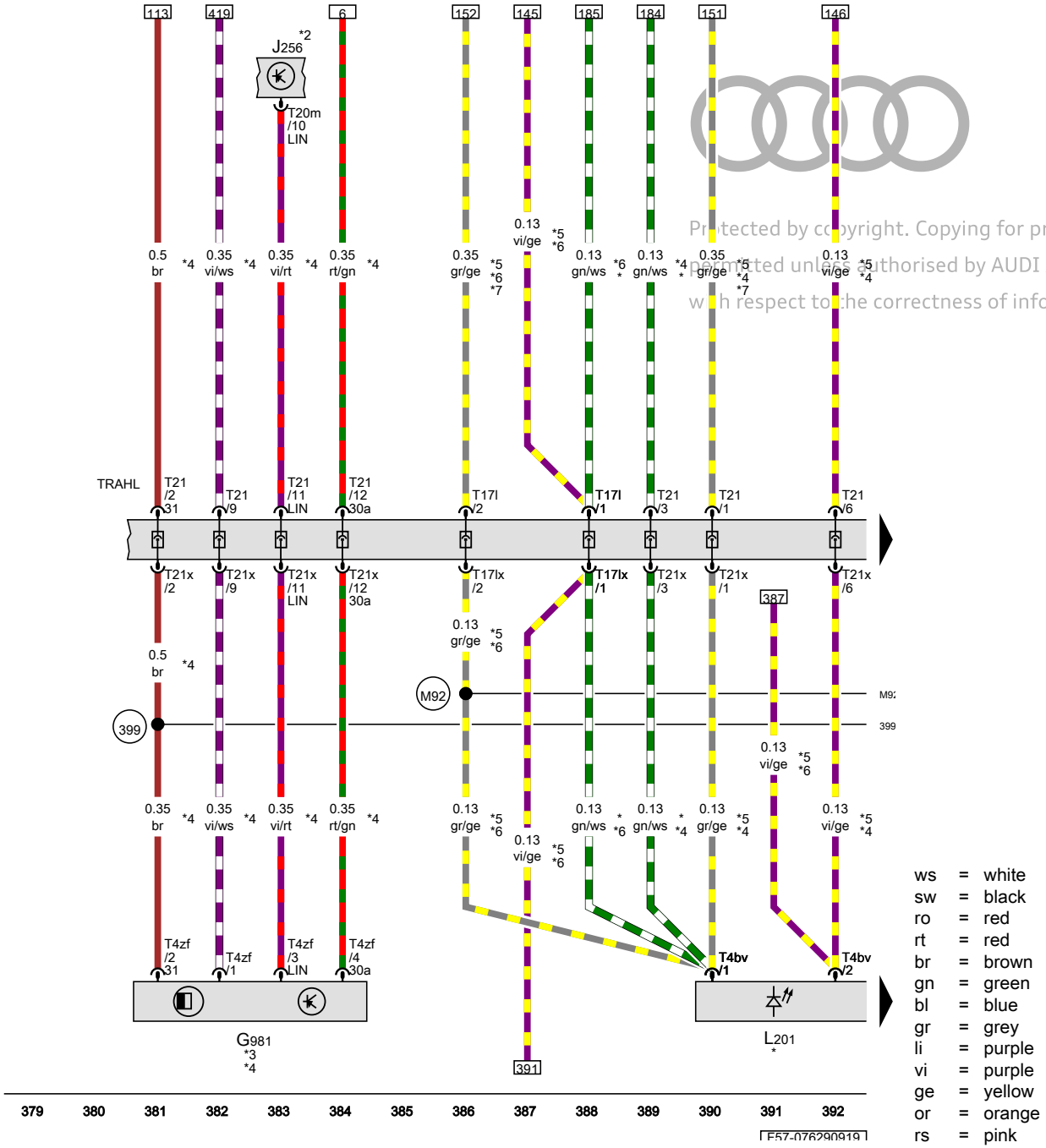

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Left ultrasonic sensor for passenger compartment monitoring system, rear, Convertible roof actuation control unit, Light 1 for rear left door background lighting, Coupling point in rear left wheel housing wiring

G981	Left ultrasonic sensor for passenger compartment monitoring system, rear
J256	Convertible roof actuation control unit
L201	Light 1 for rear left door background lighting
T4bv	4-pin connector, brown
T4zf	4-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector, black
T20m	20-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
399	Earth connection 34, in main wiring harness
M92	Connection 1, in rear armrest wiring harness
*	For models with additional lights
*2	see applicable current flow diagram for convertible roof
*3	Pre-wired component
*4	For Cabriolet models
*5	Optional equipment
*6	Coupé
*7	Cross section depends on equipment

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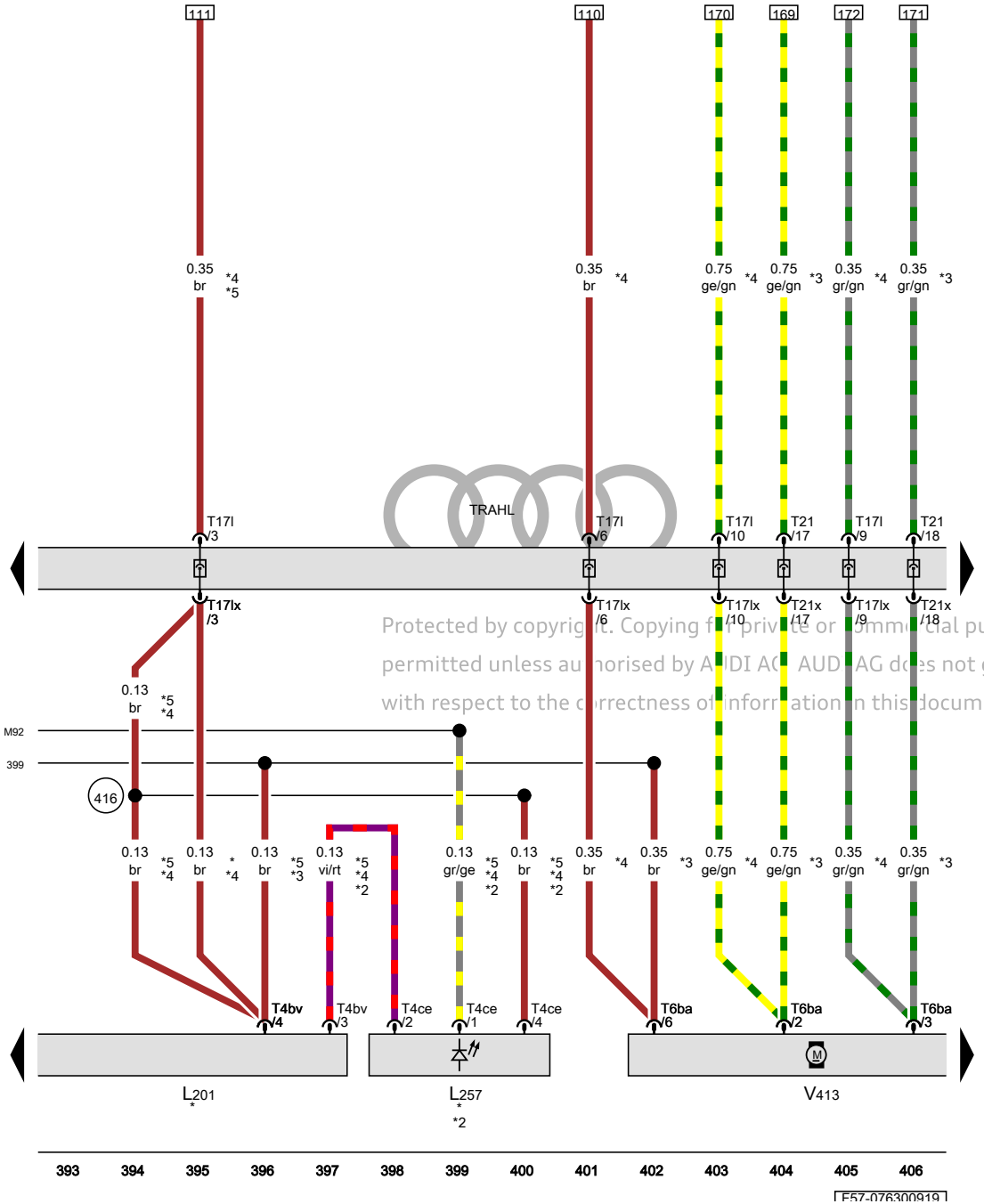

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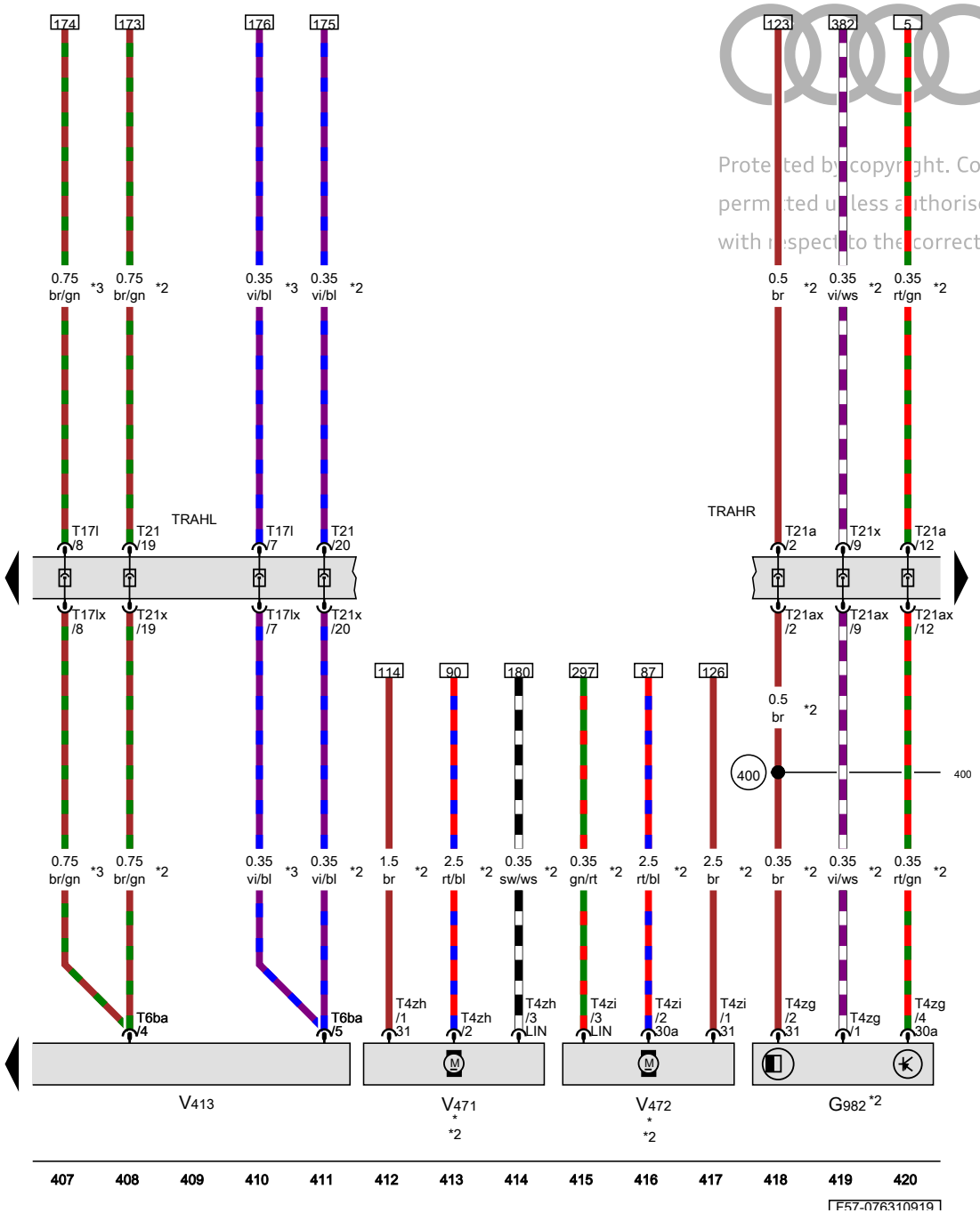
Light 1 for rear left door background lighting, Light for rear left door storage compartment illumination, Coupling point in rear left wheel housing wiring, Left belt feeder motor

L201	Light 1 for rear left door background lighting
L257	Light for rear left door storage compartment illumination
T4bv	4-pin connector, brown
T4ce	4-pin connector, brown
T6ba	6-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
V413	Left belt feeder motor
399	Earth connection 34, in main wiring harness
416	Earth connection, in rear armrest wiring harness
M92	Connection 1, in rear armrest wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	For Cabriolet models
*4	Coupé
*5	Optional equipment



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Right ultrasonic sensor for passenger compartment monitoring system, rear, Coupling point in rear left wheel housing wiring, Coupling point in rear right wheel housing wiring, Left belt feeder motor, Rear driver side window regulator motor, Rear passenger side window regulator motor

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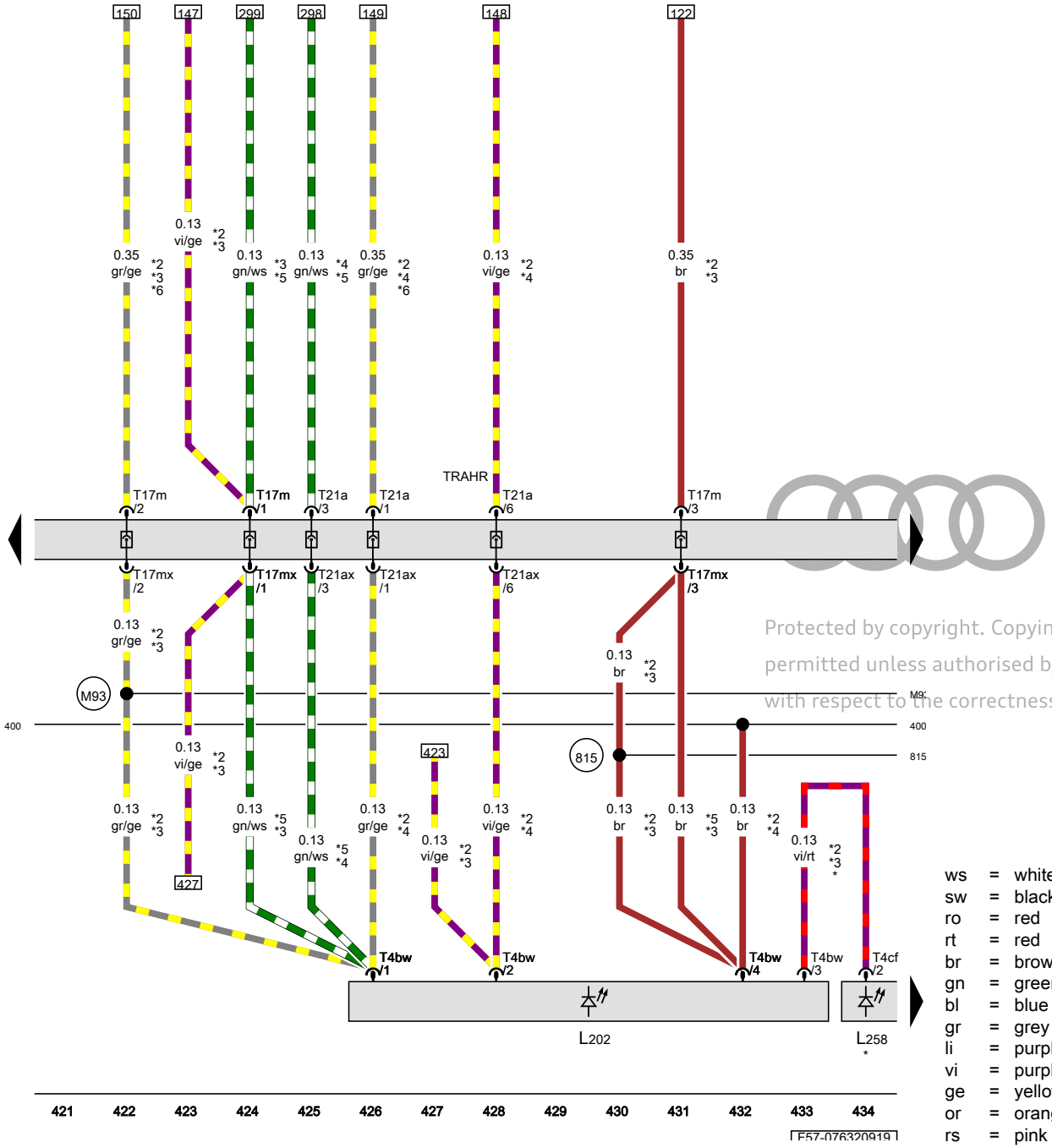
G982	Right ultrasonic sensor for passenger compartment monitoring system, rear
T4zg	4-pin connector, black
T4zh	4-pin connector, black
T4zi	4-pin connector, black
T6ba	6-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
T21x	21-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
TRAHR	Coupling point in rear right wheel housing wiring
V413	Left belt feeder motor
V471	Rear driver side window regulator motor, behind rear left side trim
V472	Rear passenger side window regulator motor, behind rear right side trim
400	Earth connection 35, in main wiring harness, behind side panel on front passenger side
*	Pre-wired component
*2	For Cabriolet models
*3	Coupé



Light 1 for rear right door background lighting, Light for rear right door storage compartment illumination, Coupling point in rear right wheel housing wiring

L202	Light 1 for rear right door background lighting
L258	Light for rear right door storage compartment illumination
T4bw	4-pin connector, brown
T4cf	4-pin connector, brown
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
400	Earth connection 35, in main wiring harness, behind side panel on front passenger side
815	Earth connection 2, in rear armrest wiring harness
M93	Connection 2, in rear armrest wiring harness
*	Up to September 2019
*2	Optional equipment
*3	Coupé
*4	For Cabriolet models
*5	For models with additional lights
*6	Cross section depends on equipment

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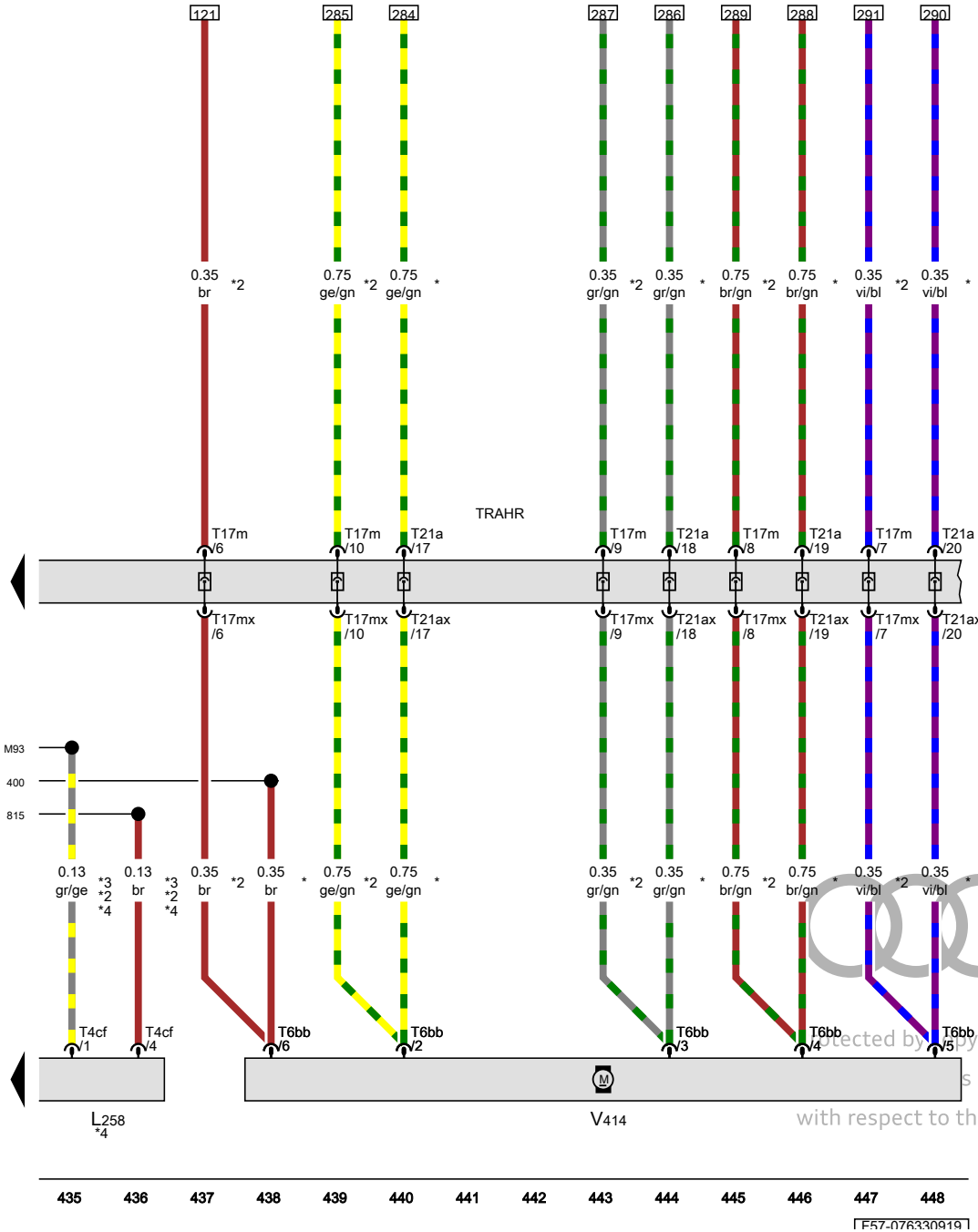

Light for rear right door storage compartment illumination, Coupling point in rear right wheel housing wiring, Right belt feeder motor

L258	Light for rear right door storage compartment illumination
T4cf	4-pin connector, brown
T6bb	6-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
V414	Right belt feeder motor
400	Earth connection 35, in main wiring harness, behind side panel on front passenger side
815	Earth connection 2, in rear armrest wiring harness
M93	Connection 2, in rear armrest wiring harness
*	For Cabriolet models
*2	Coupé
*3	Optional equipment
*4	Up to September 2019

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Convenience system, right-hand drive , (L0R)

From July 2016

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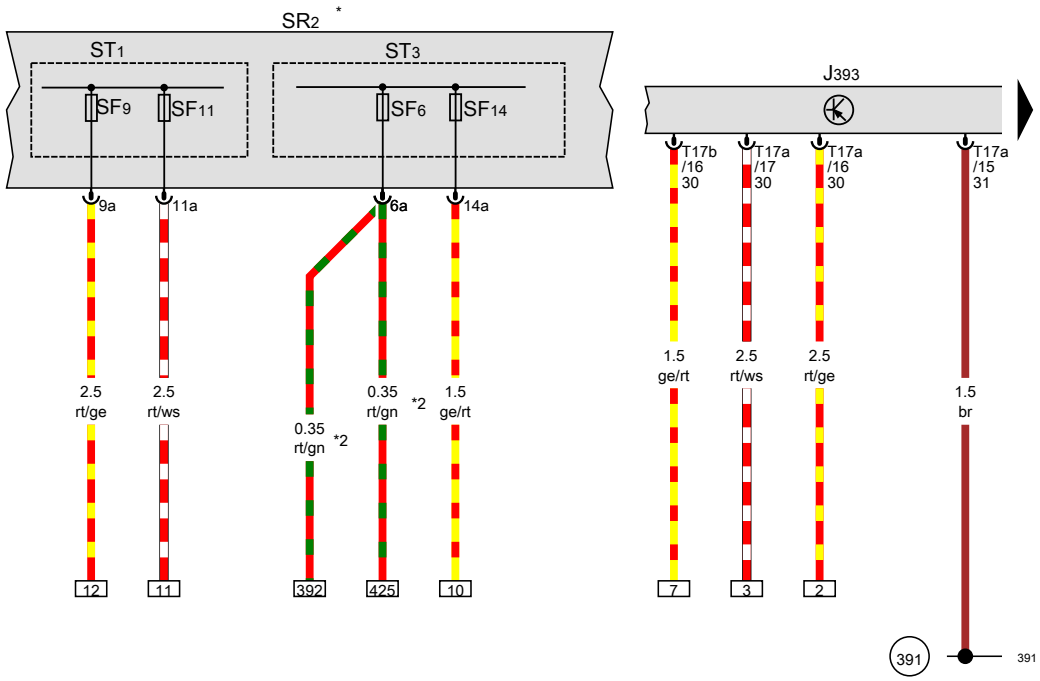

Convenience system central control unit, Relay and fuse carrier 2

J393	Convenience system central control unit, behind left side trim in luggage compartment
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
ST3	Fuse carrier 3, brown
SF6	Fuse 6 in fuse holder F
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
(391)	Earth connection 26, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For Cabriolet models

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

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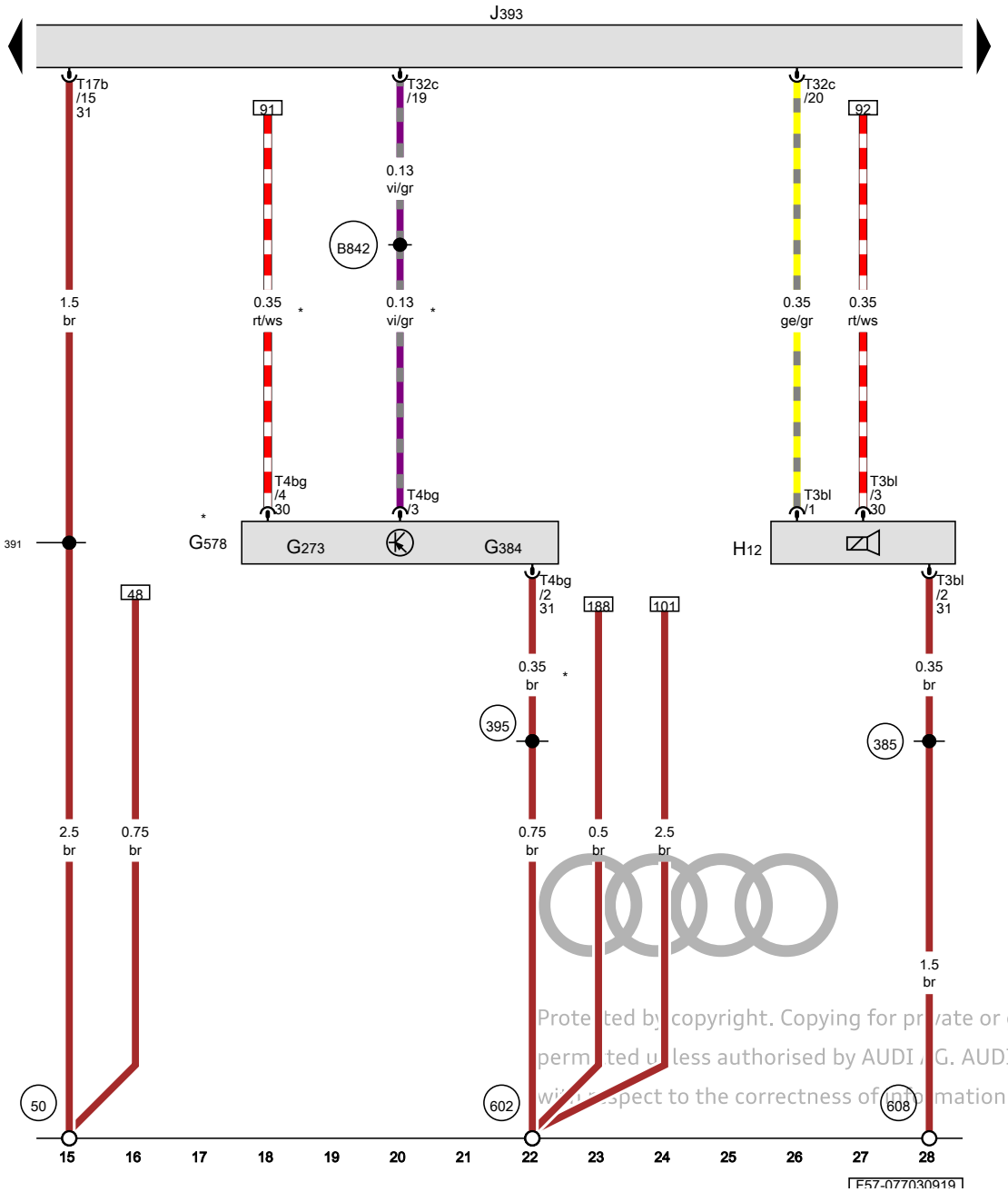

Interior monitoring sensor, Vehicle inclination sender, Anti-theft alarm sensor, Alarm horn, Convenience system central control unit

G273	Interior monitoring sensor
G384	Vehicle inclination sender
G578	Anti-theft alarm sensor
H12	Alarm horn
J393	Convenience system central control unit, behind left side trim in luggage compartment
T3bl	3-pin connector, black
T4bg	4-pin connector, black
T17b	17-pin connector, black
T32c	32-pin connector, black
50	Earth point, on left in luggage compartment
385	Earth connection 20, in main wiring harness
391	Earth connection 26, in main wiring harness
395	Earth connection 30, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
B842	Connection 8 (LIN bus) in main wiring harness
*	Anti-theft alarm system with interior monitoring

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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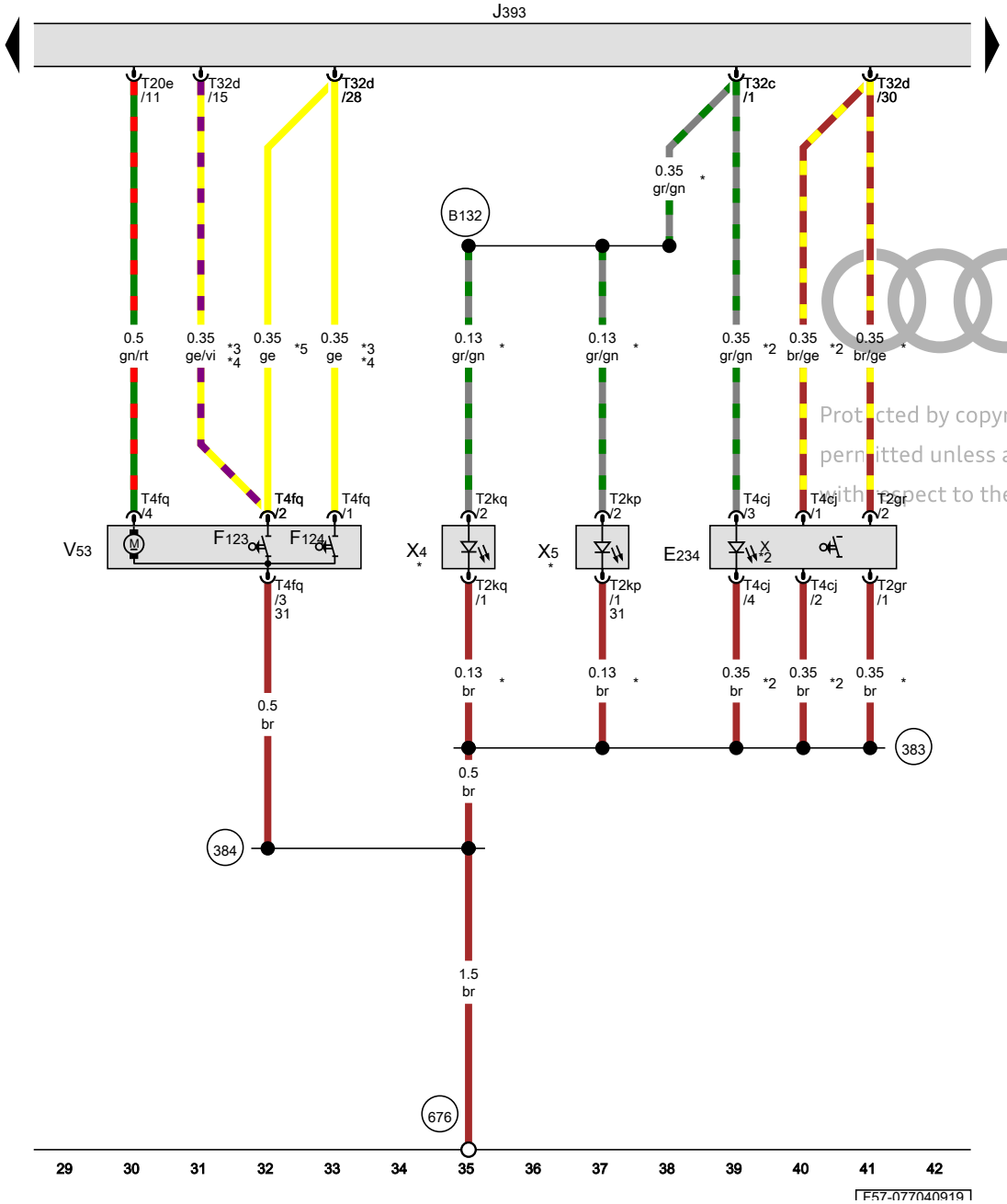

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Rear lid handle release button, Convenience system central control unit, Rear lid central locking motor, Left number plate light, Right number plate light

E234	Rear lid handle release button
F123	Rear lid contact switch for anti-theft alarm
F124	Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
J393	Convenience system central control unit, behind left side trim in luggage compartment
T2gr	2-pin connector, black
T2kp	2-pin connector, black
T2kq	2-pin connector, black
T4cj	4-pin connector, black
T4fq	4-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
V53	Rear lid central locking motor
X	Number plate light
X4	Left number plate light
X5	Right number plate light
383	Earth connection 18, in main wiring harness
384	Earth connection 19, in main wiring harness
676	Earth point 2, on left in luggage compartment
B132	Connection (number plate lights), in interior wiring harness
*	Coupé
*2	For Cabriolet models
*3	For models with electric rear lid opener
*4	For models with power latching for rear lid
*5	For models with no electric rear lid opener

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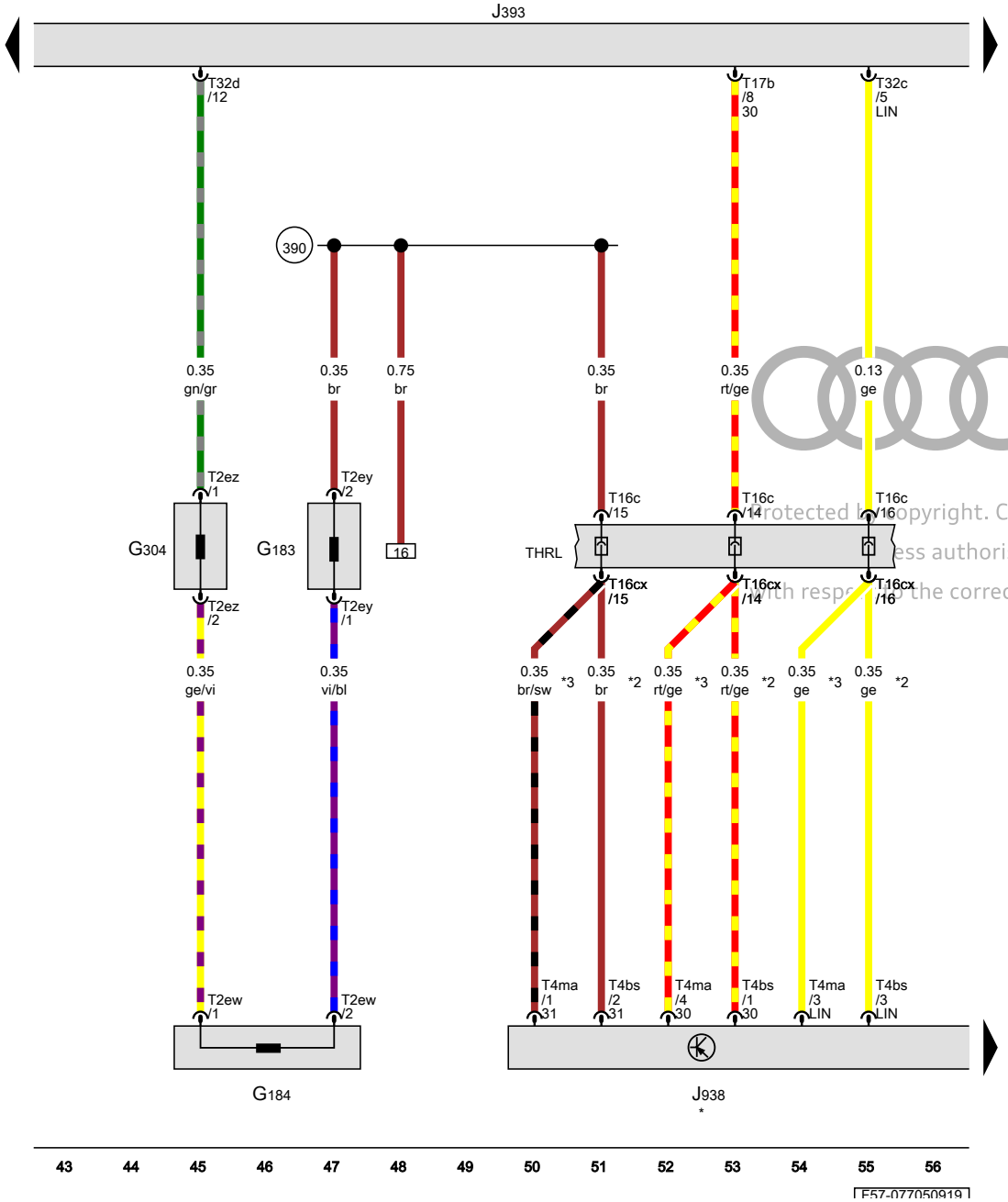

Convenience system central control unit, Rear lid power opening control unit

G183	Rear left side window glass breakage sensor
G184	Rear right side window glass breakage sensor
G304	Glass breakage sensor for rear window
J393	Convenience system central control unit, behind left side trim in luggage compartment
J938	Rear lid power opening control unit
T2ew	2-pin connector, black
T2ey	2-pin connector, black
T2ez	2-pin connector, black
T4bs	4-pin connector, black
T4ma	4-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
THRL	Coupling point in luggage compartment, left
390	Earth connection 25, in main wiring harness
*	Optional equipment
*2	Up to September 2019
*3	From October 2019

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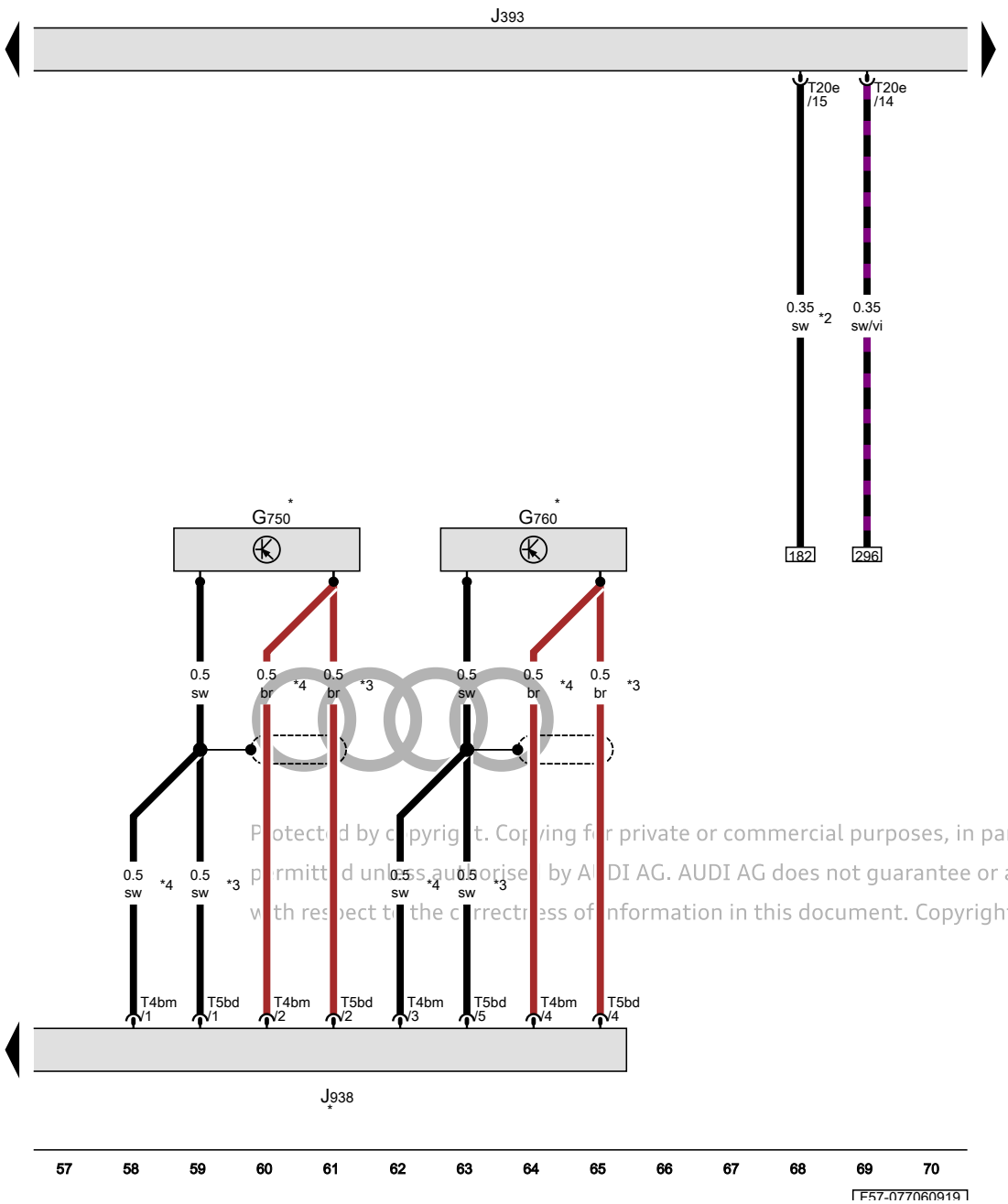

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Rear lid power opening sender, Rear lid power opening sender 2, Convenience system central control unit, Rear lid power opening control unit

G750	Rear lid power opening sender, in rear bumper
G760	Rear lid power opening sender 2, in rear bumper
J393	Convenience system central control unit, behind left side trim in luggage compartment
J938	Rear lid power opening control unit
T4bm	4-pin connector, black
T5bd	5-pin connector, black
T20e	20-pin connector, black
*	Optional equipment
*2	Cross section depends on equipment
*3	Up to September 2019
*4	From October 2019

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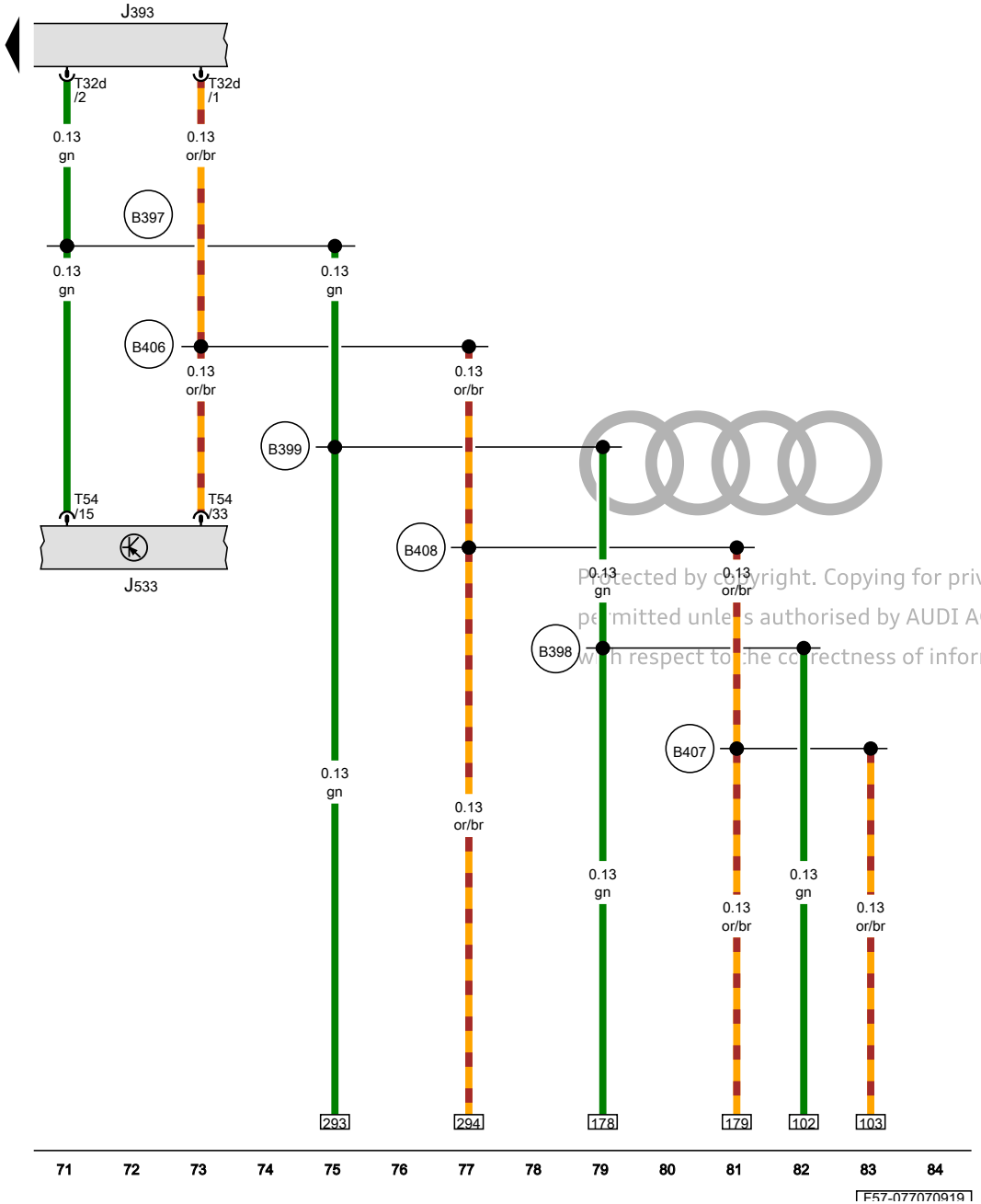

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Convenience system central control unit

J393	Convenience system central control unit, behind left side trim in luggage compartment
J533	Data bus diagnostic interface
T32d	32-pin connector, blue
T54	54-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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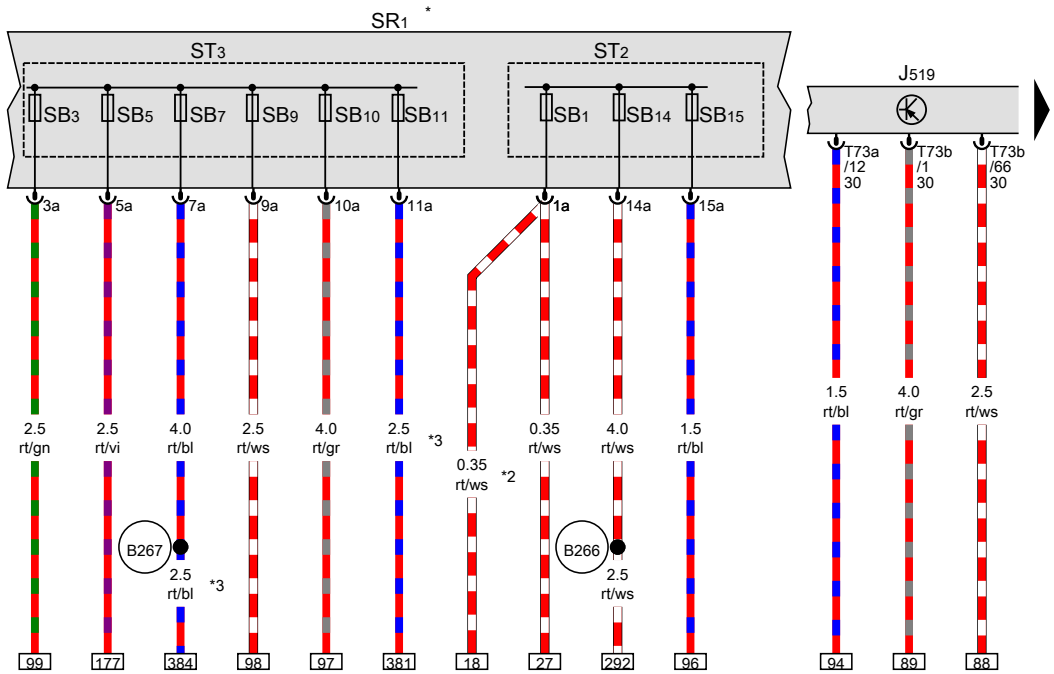

Onboard supply control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB1	Fuse 1 on fuse holder B
ST2	Fuse carrier 2, red
ST3	Fuse carrier 3, black
SB3	Fuse 3 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
T73a	73-pin connector, black
T73b	73-pin connector, black
B266	Positive connection 1 (30a, door control unit), in interior wiring harness
B267	Positive connection 2 (30a, door control unit), in interior wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Anti-theft alarm system with interior monitoring
*3	For Cabriolet models

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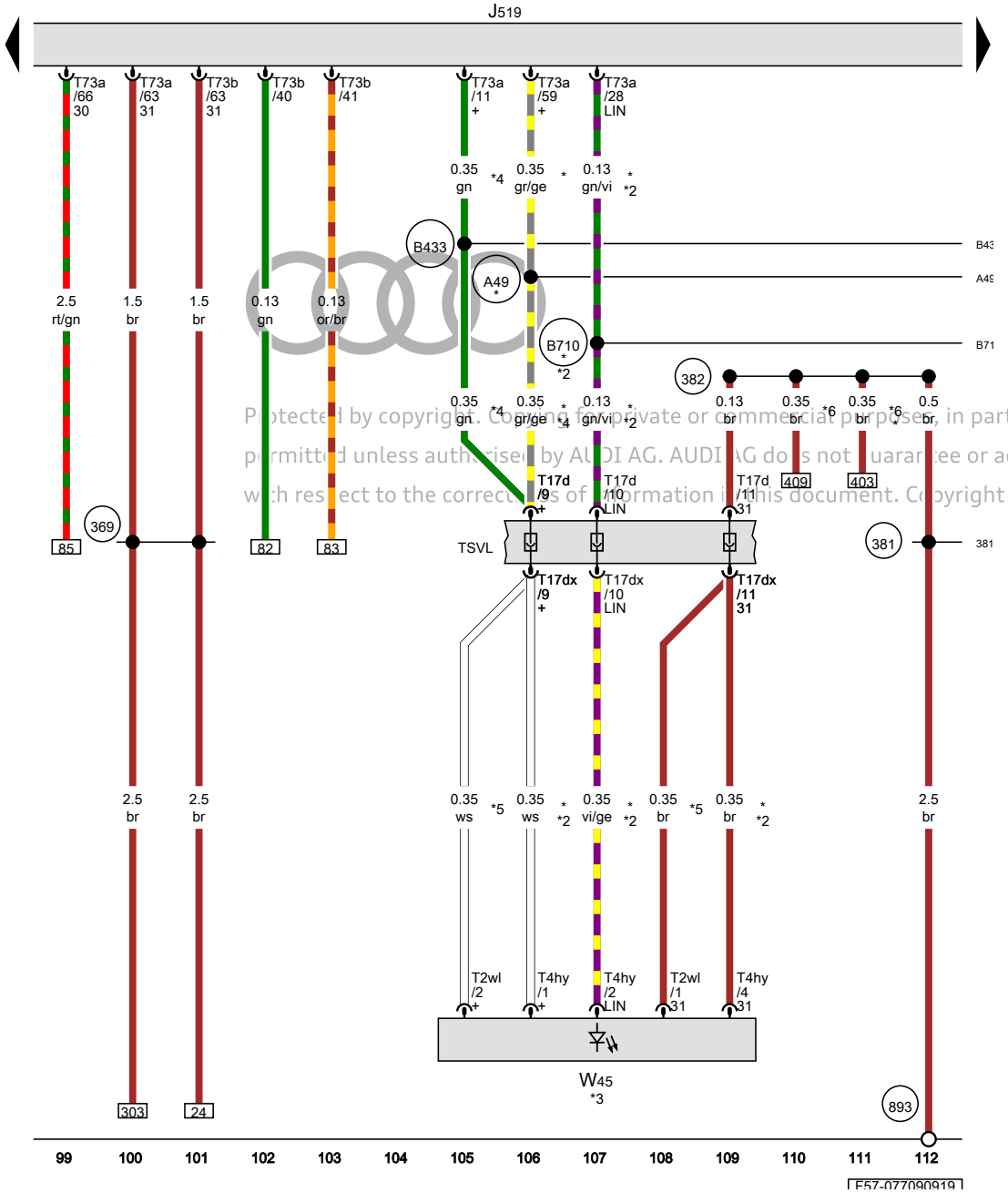

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Onboard supply control unit, Rear left footwell light

J519	Onboard supply control unit
T2wl	2-pin connector, brown
T4hy	4-pin connector, brown
T17d	17-pin connector, red
T17dx	17-pin connector, red
T73a	73-pin connector, black
T73b	73-pin connector, black
TSVL	Coupling point for front left seat
W45	Rear left footwell light
369	Earth connection 4, in main wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
A49	Connection 1, in dash panel wiring harness
B433	Connection (footwell light), in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	Optional equipment
*2	Up to September 2019
*3	For models with additional lights
*4	Cross section depends on equipment
*5	According to equipment
*6	Coupé

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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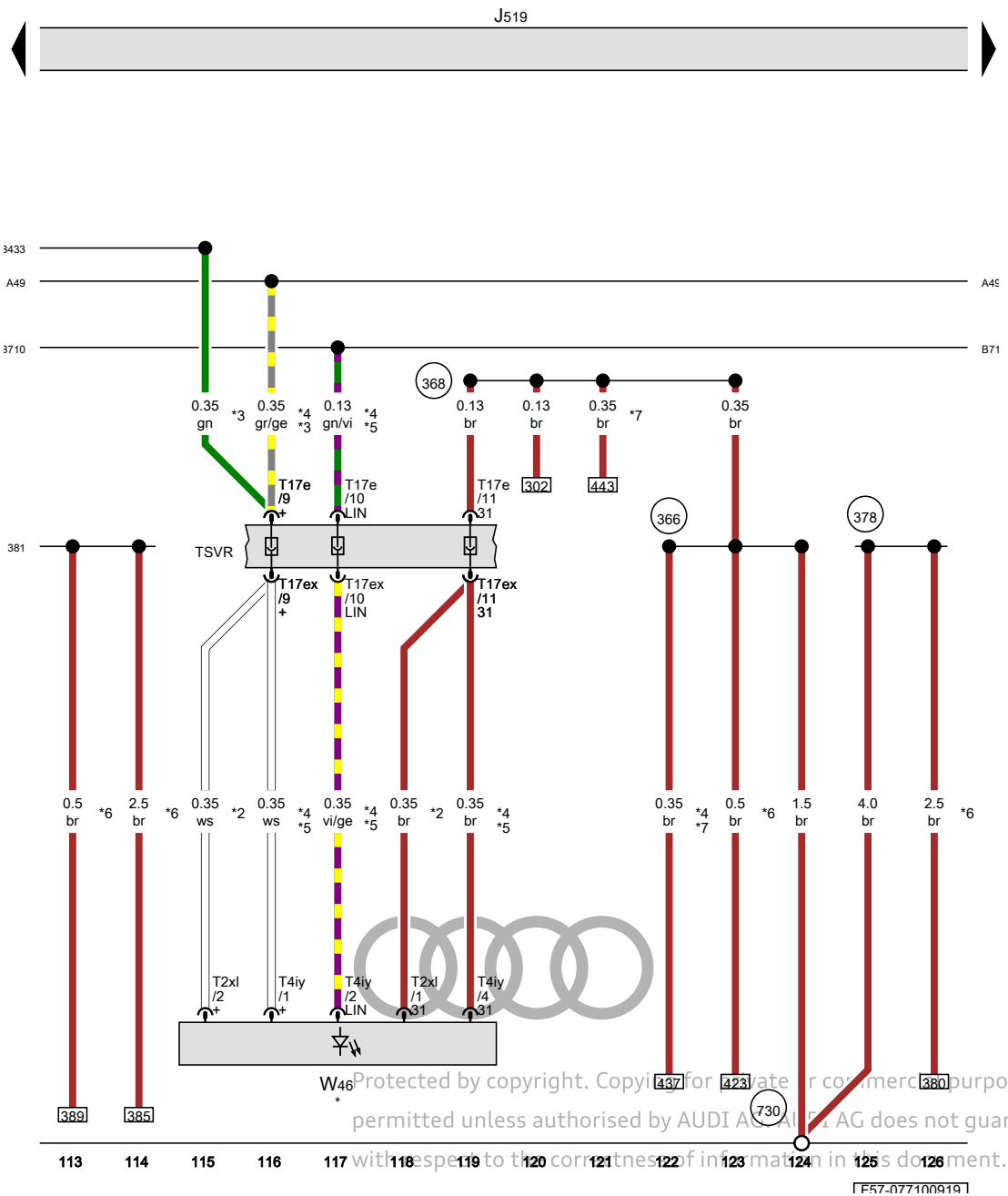

Onboard supply control unit, Rear right footwell light

J519	Onboard supply control unit
T2xl	2-pin connector, brown
T4iy	4-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSVR	Coupling point for front right seat
W46	Rear right footwell light
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
378	Earth connection 13, in main wiring harness
381	Earth connection 16, in main wiring harness
730	Earth point 1, on right rear wheel housing
A49	Connection 1, in dash panel wiring harness
B433	Connection (footwell light), in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	For models with additional lights
*2	According to equipment
*3	Cross section depends on equipment
*4	Optional equipment
*5	Up to September 2019
*6	For Cabriolet models
*7	Coupé

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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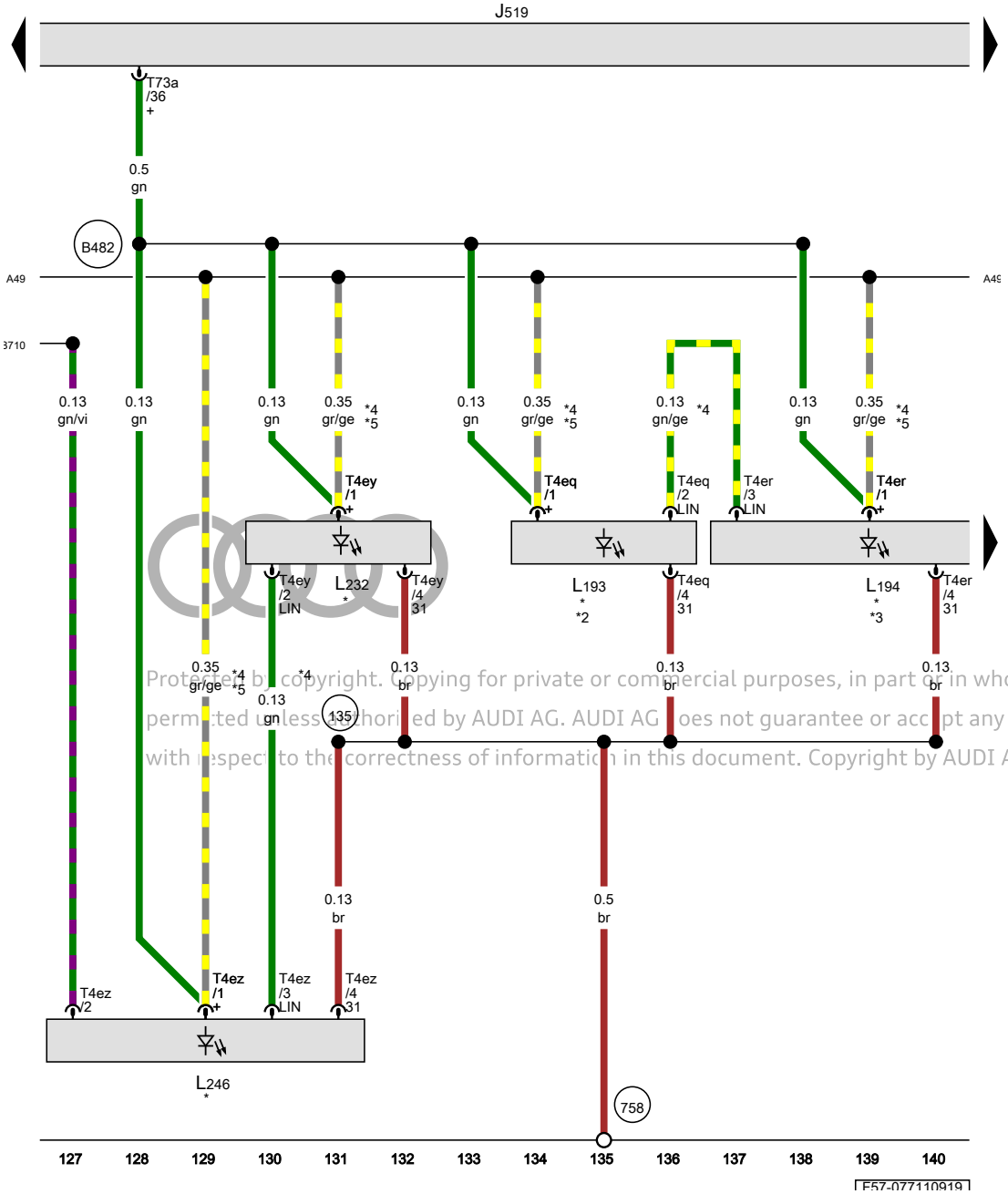

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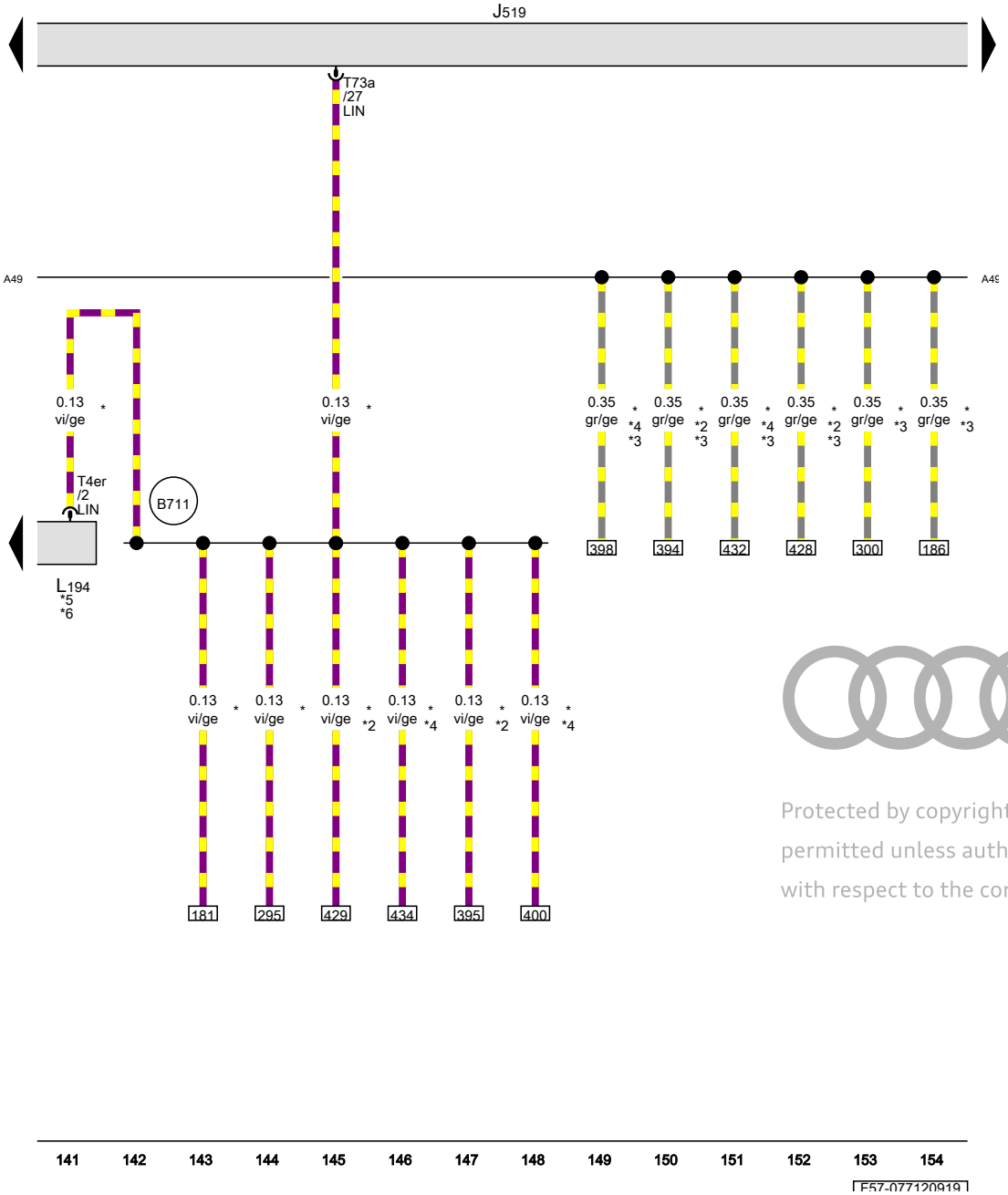
Onboard supply control unit, Light 1 for front centre console background lighting, Light 2 for front centre console background lighting, Light for cup holder background lighting, Light 2 for cup holder background lighting

J519	Onboard supply control unit
L193	Light 1 for front centre console background lighting
L194	Light 2 for front centre console background lighting
L232	Light for cup holder background lighting
L246	Light 2 for cup holder background lighting
T4eq	4-pin connector, black
T4er	4-pin connector, black
T4ey	4-pin connector, brown
T4ez	4-pin connector, brown
T73a	73-pin connector, black
135	Earth connection 2, in dash panel wiring harness
758	Earth point 3, on centre tunnel
A49	Connection 1, in dash panel wiring harness
B482	Connection 18, in main wiring harness
B710	Connection 5 (LIN bus) in main wiring harness
*	For models with additional lights
*2	left
*3	right
*4	Optional equipment
*5	Cross section depends on equipment



Onboard supply control unit, Light 2 for front centre console background lighting

J519	Onboard supply control unit
L194	Light 2 for front centre console background lighting
T4er	4-pin connector, black
T73a	73-pin connector, black
A49	Connection 1, in dash panel wiring harness
B711	Connection 6 (LIN bus) in main wiring harness
*	Optional equipment
*2	Coupé
*3	Cross section depends on equipment
*4	For Cabriolet models
*5	For models with additional lights
*6	right

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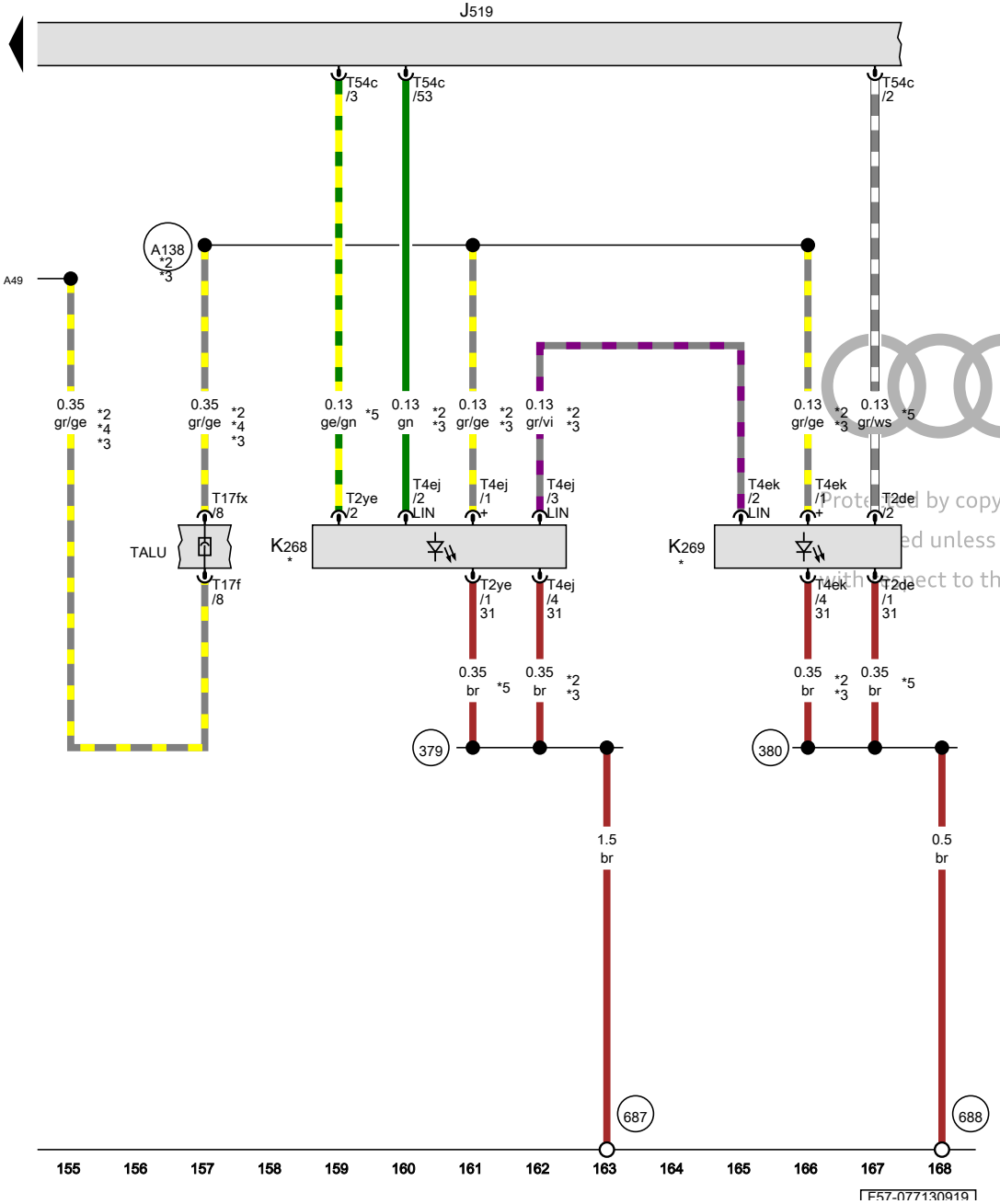

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gn = green
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Onboard supply control unit, Front left footwell light, Front right footwell light

J519	Onboard supply control unit
K268	Front left footwell light
K269	Front right footwell light
T2de	2-pin connector, black
T2ye	2-pin connector, black
T4ej	4-pin connector, black
T4ek	4-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T54c	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A49	Connection 1, in dash panel wiring harness
A138	Connection 2, in dash panel wiring harness
*	For models with additional lights
*2	Optional equipment
*3	Up to September 2019
*4	Cross section depends on equipment
*5	According to equipment

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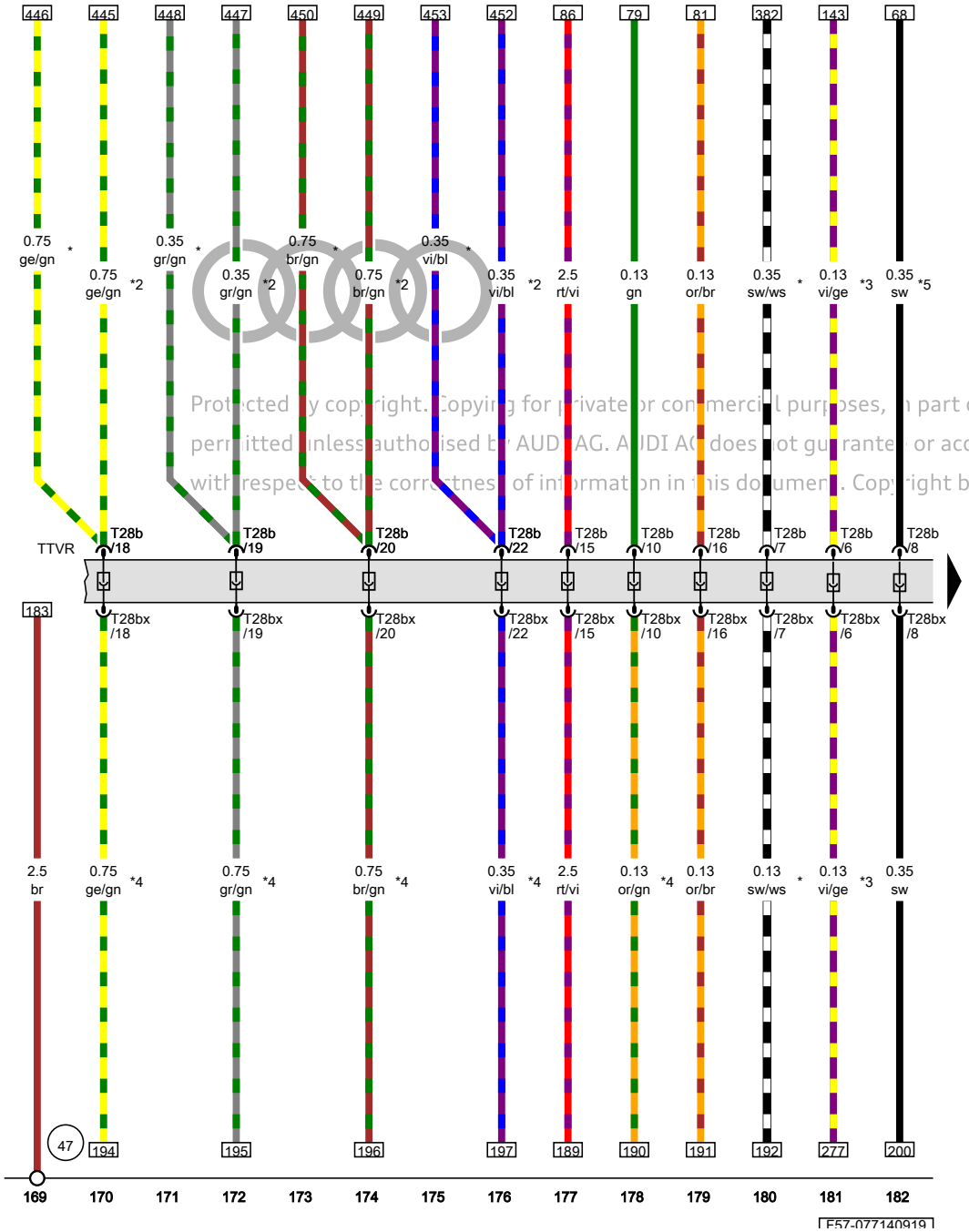

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Coupling point for front right door

T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVR	Coupling point for front right door
47	Earth point, in front right footwell
*	For Cabriolet models
*2	Coupé
*3	Optional equipment
*4	Different wire colour possible
*5	Cross section depends on equipment

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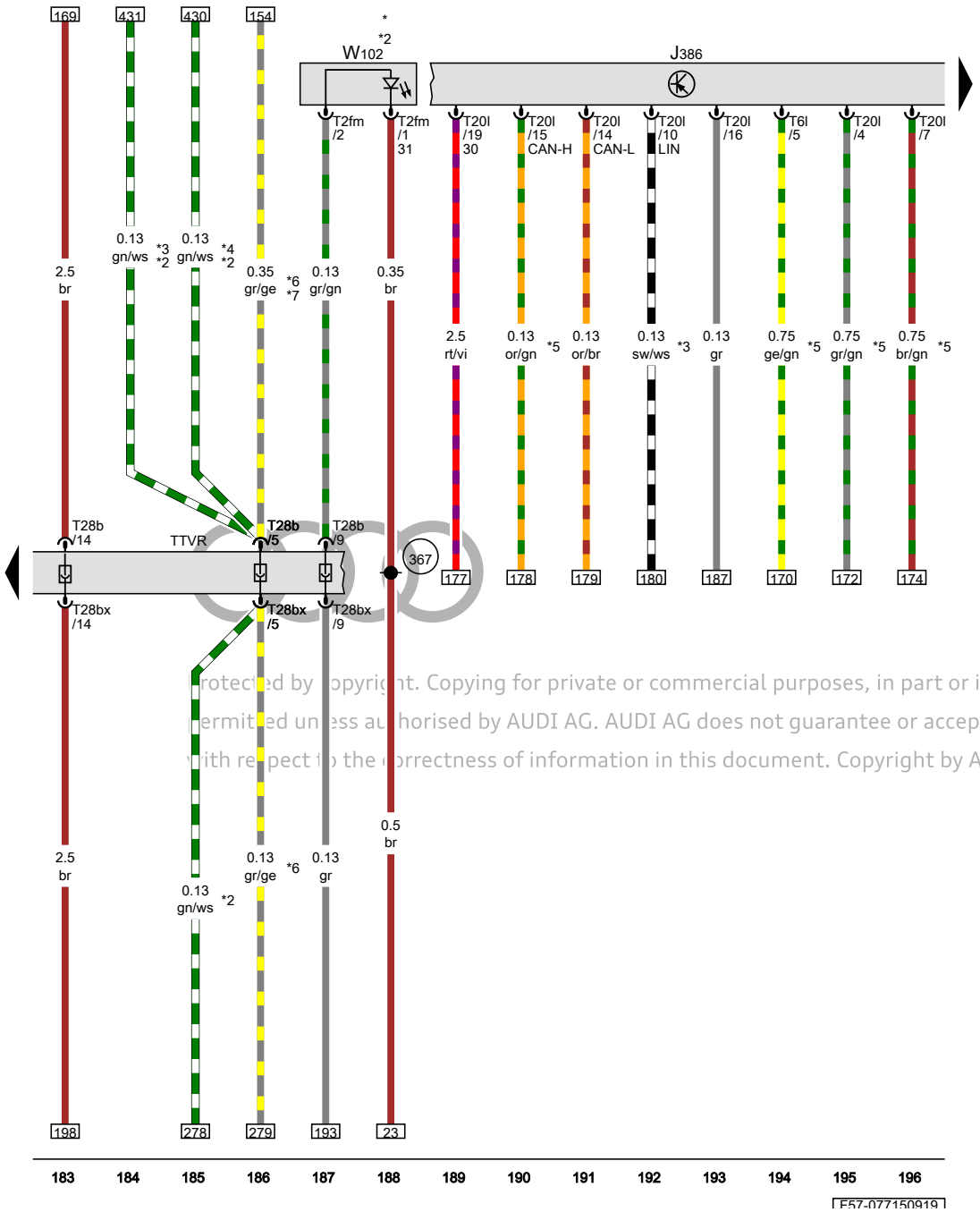

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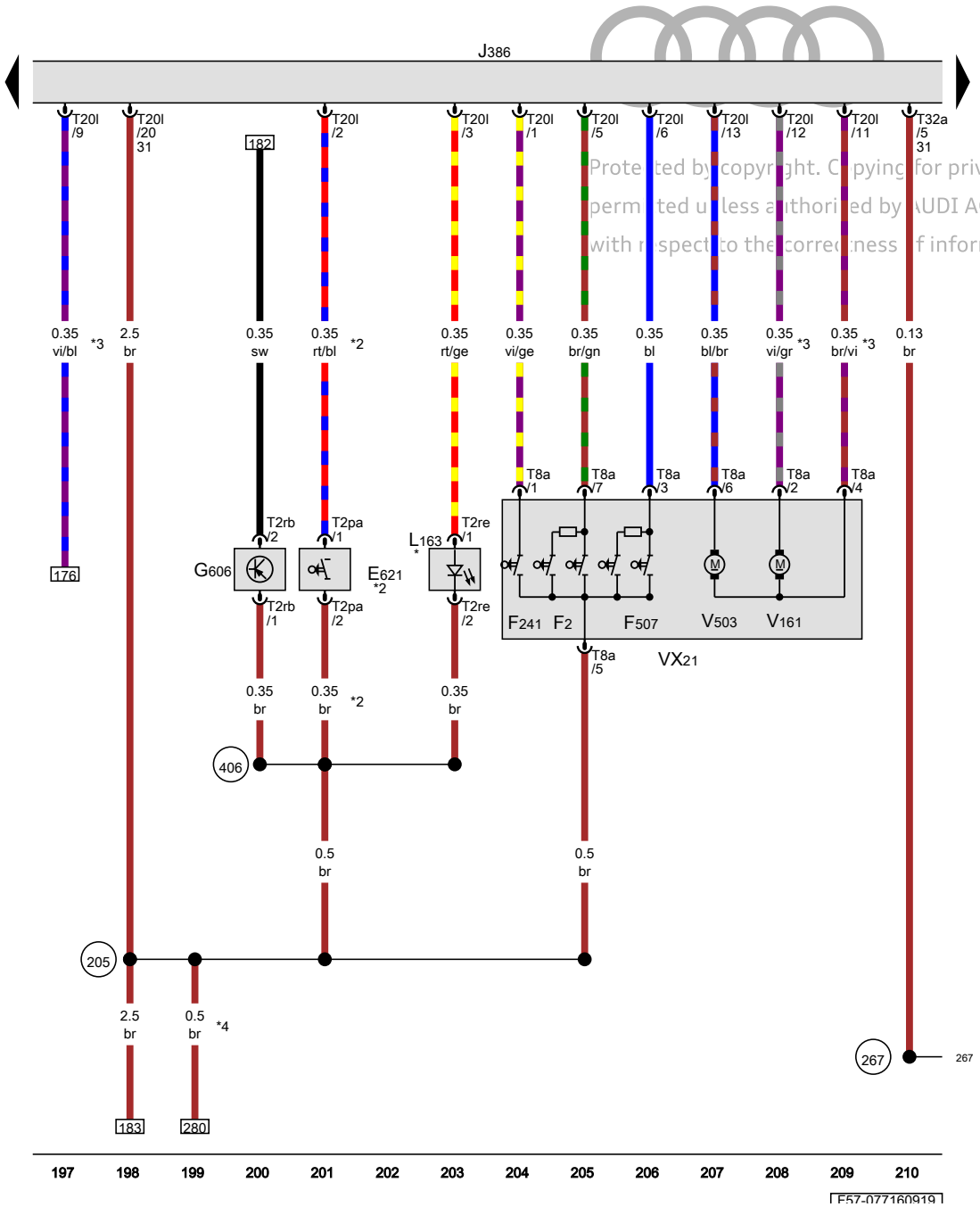
Driver door control unit, Coupling point for front right door, Light for sill panel moulding background lighting, driver side

J386	Driver door control unit
T2fm	2-pin connector, black
T6l	6-pin connector, black
T20l	20-pin connector, white
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVR	Coupling point for front right door
W102	Light for sill panel moulding background lighting, driver side
367	Earth connection 2, in main wiring harness
*	Pre-wired component
*2	For models with additional lights
*3	For Cabriolet models
*4	Coupé
*5	Different wire colour possible
*6	Optional equipment
*7	Cross section depends on equipment



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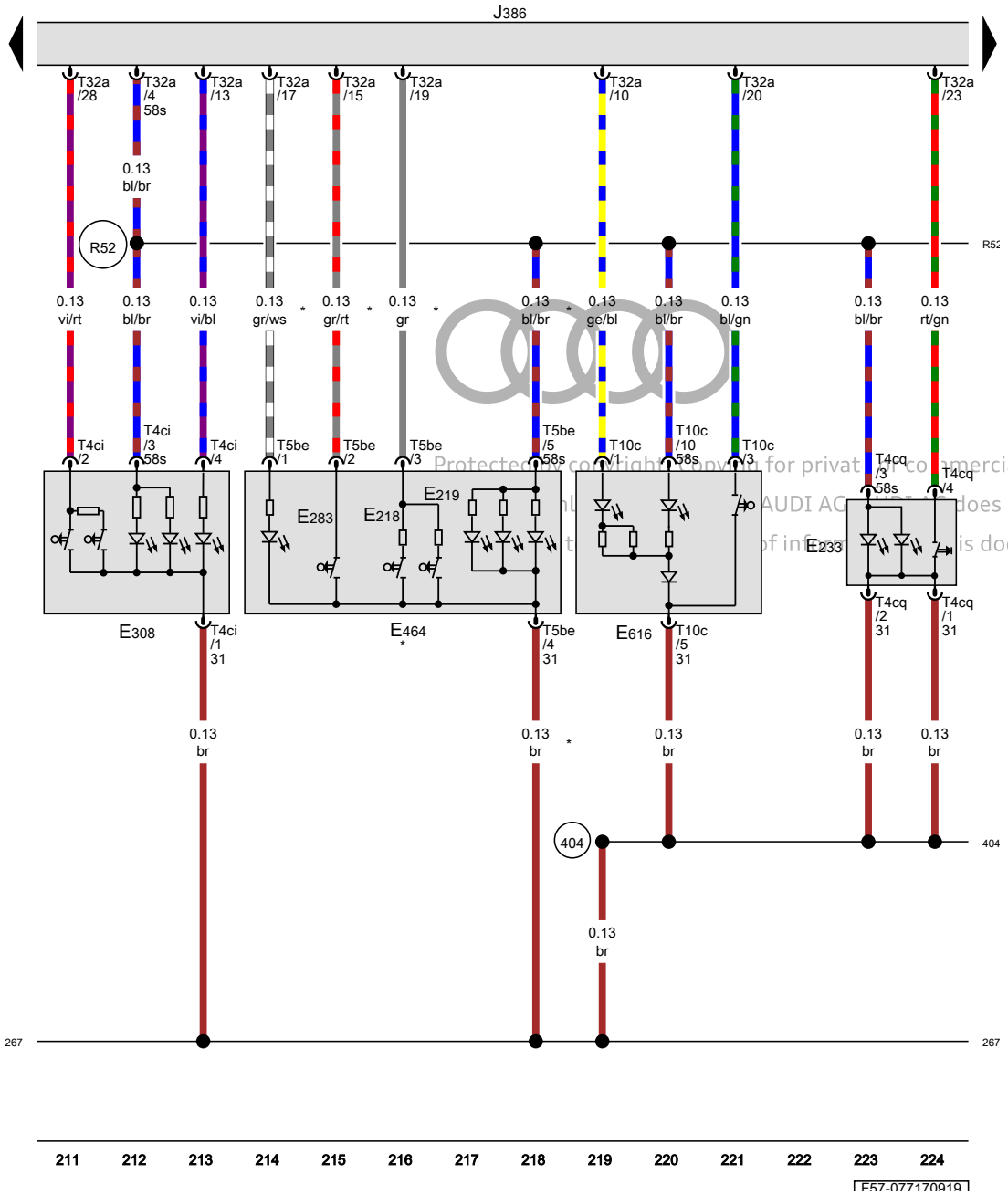
Microswitch for lowering driver window, Contact sensor for front right exterior door handle, Driver door control unit, Front right exterior door handle illumination bulb, Driver door lock unit

E621	Microswitch for lowering driver window
F2	Driver door contact switch
F241	Driver side contact switch in lock cylinder
F507	Driver side central locking actuator
G606	Contact sensor for front right exterior door handle
J386	Driver door control unit
L163	Front right exterior door handle illumination bulb
T2pa	2-pin connector, black
T2rb	2-pin connector, black
T2re	2-pin connector, black
T8a	8-pin connector, black
T20l	20-pin connector, white
T32a	32-pin connector, blue
VX21	Driver door lock unit
V161	Driver door central locking SAFELOCK function motor
V503	Central locking motor on driver side
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in drive side door wiring harness
406	Earth connection 5, in drive side door wiring harness
*	For models with additional lights
*2	For Cabriolet models
*3	Different wire colour possible
*4	Optional equipment



Rear lid remote release button, Driver side interior locking button for central locking system, Driver operating unit for memory settings, Button for deactivating interior monitoring and vehicle inclination sensor, Driver door control unit

E218	Seat memory position button 1
E219	Seat memory position button 2
E233	Rear lid remote release button
E283	Driver seat memory function button
E308	Driver side interior locking button for central locking system
E464	Driver operating unit for memory settings
E616	Button for deactivating interior monitoring and vehicle inclination sensor
J386	Driver door control unit
T4ci	4-pin connector, brown
T4cq	4-pin connector, brown
T5be	5-pin connector, black
T10c	10-pin connector, black
T32a	32-pin connector, blue
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	According to equipment

ws	=	white
sw	=	black
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rt	=	red
br	=	brown
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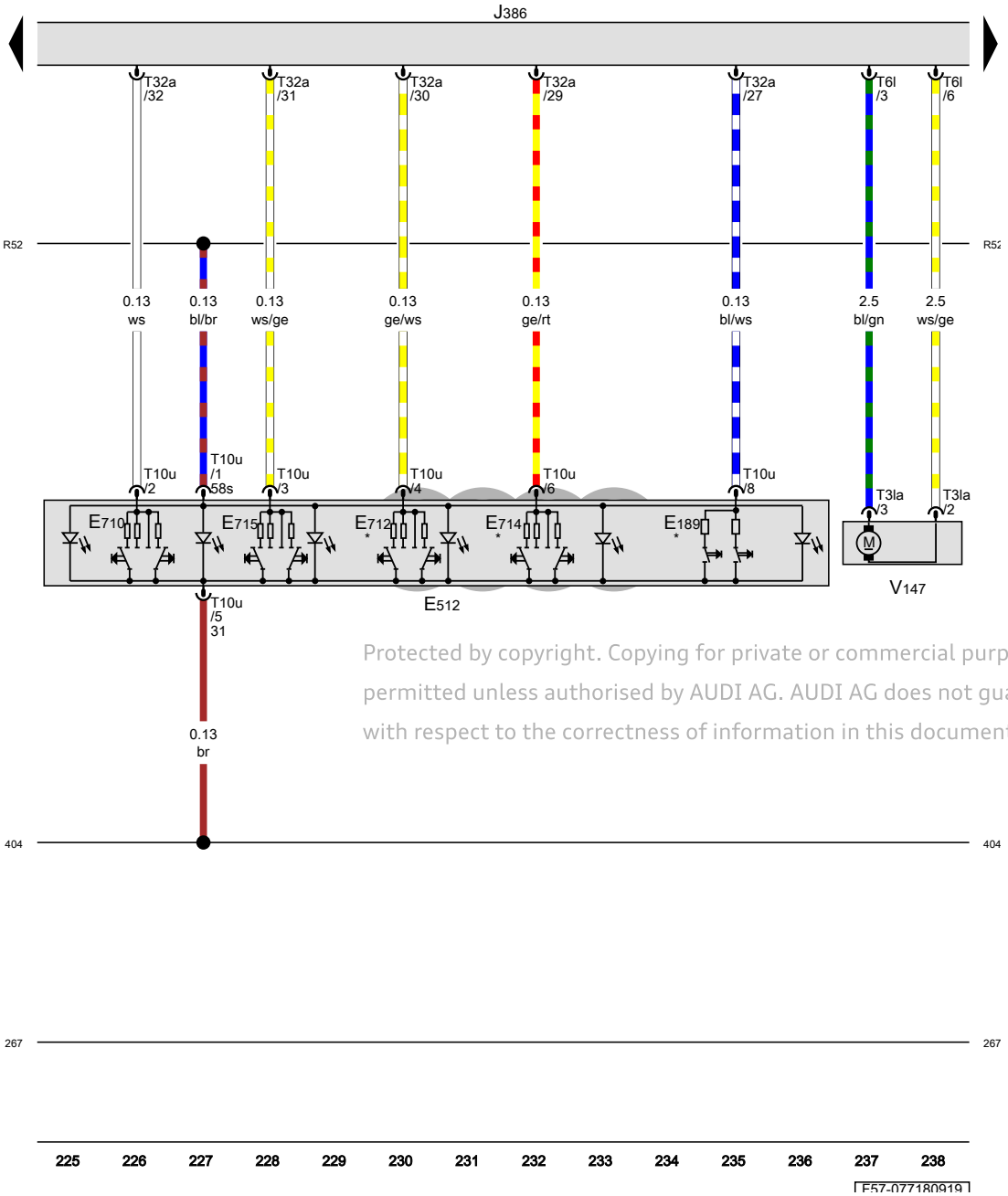

Operating unit for window regulator in driver door, Driver door control unit, Driver side window regulator motor

E189	Central switch for window regulators in driver door
E512	Operating unit for window regulator in driver door
E710	Front driver side window regulator button
E712	Rear driver side window regulator button, in driver door
E714	Rear passenger side window regulator button, in driver door
E715	Front passenger side window regulator button, in driver door
J386	Driver door control unit
T3la	3-pin connector, blue
T6l	6-pin connector, black
T10u	10-pin connector, black
T32a	32-pin connector, blue
V147	Driver side window regulator motor
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	For Cabriolet models

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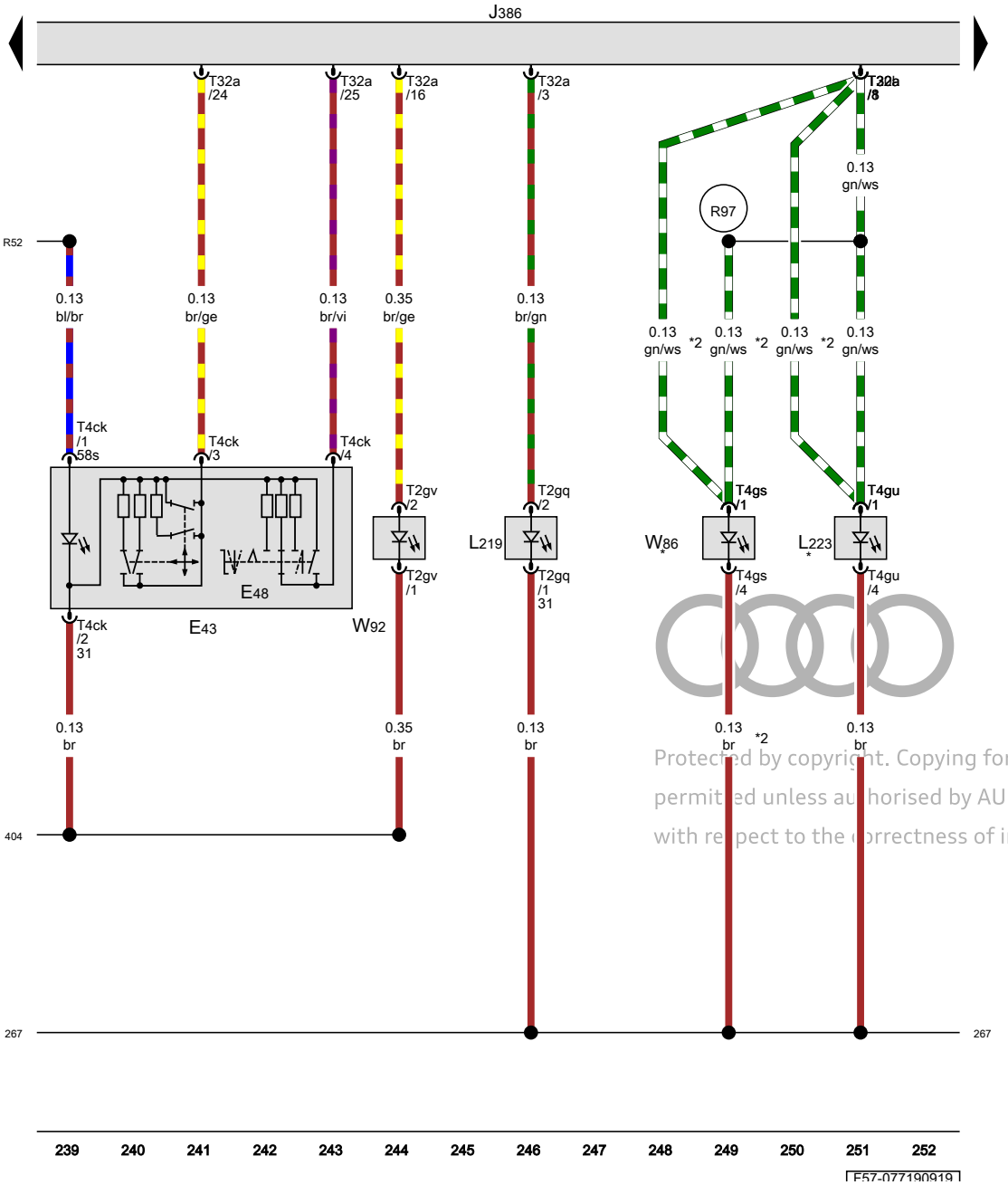

Mirror adjustment switch, Mirror adjustment changeover switch, Driver door control unit, Light for driver side interior door handle illumination, Light for driver side door loudspeaker trim, Light for driver door background lighting, Driver side entry light

E43	Mirror adjustment switch
E48	Mirror adjustment changeover switch
J386	Driver door control unit
L219	Light for driver side interior door handle illumination
L223	Light for driver side door loudspeaker trim
T2gq	2-pin connector, brown
T2gv	2-pin connector, black
T4ck	4-pin connector, brown
T4gs	4-pin connector, black
T4gu	4-pin connector, brown
T20l	20-pin connector, white
T32a	32-pin connector, blue
W86	Light for driver door background lighting
W92	Driver side entry light
267	Earth connection 2, in drive side door wiring harness
404	Earth connection 4, in drive side door wiring harness
R52	Connection (58s), in driver side door wiring harness
R97	Connection 4 in driver side door wiring harness
*	For models with additional lights
*2	According to equipment

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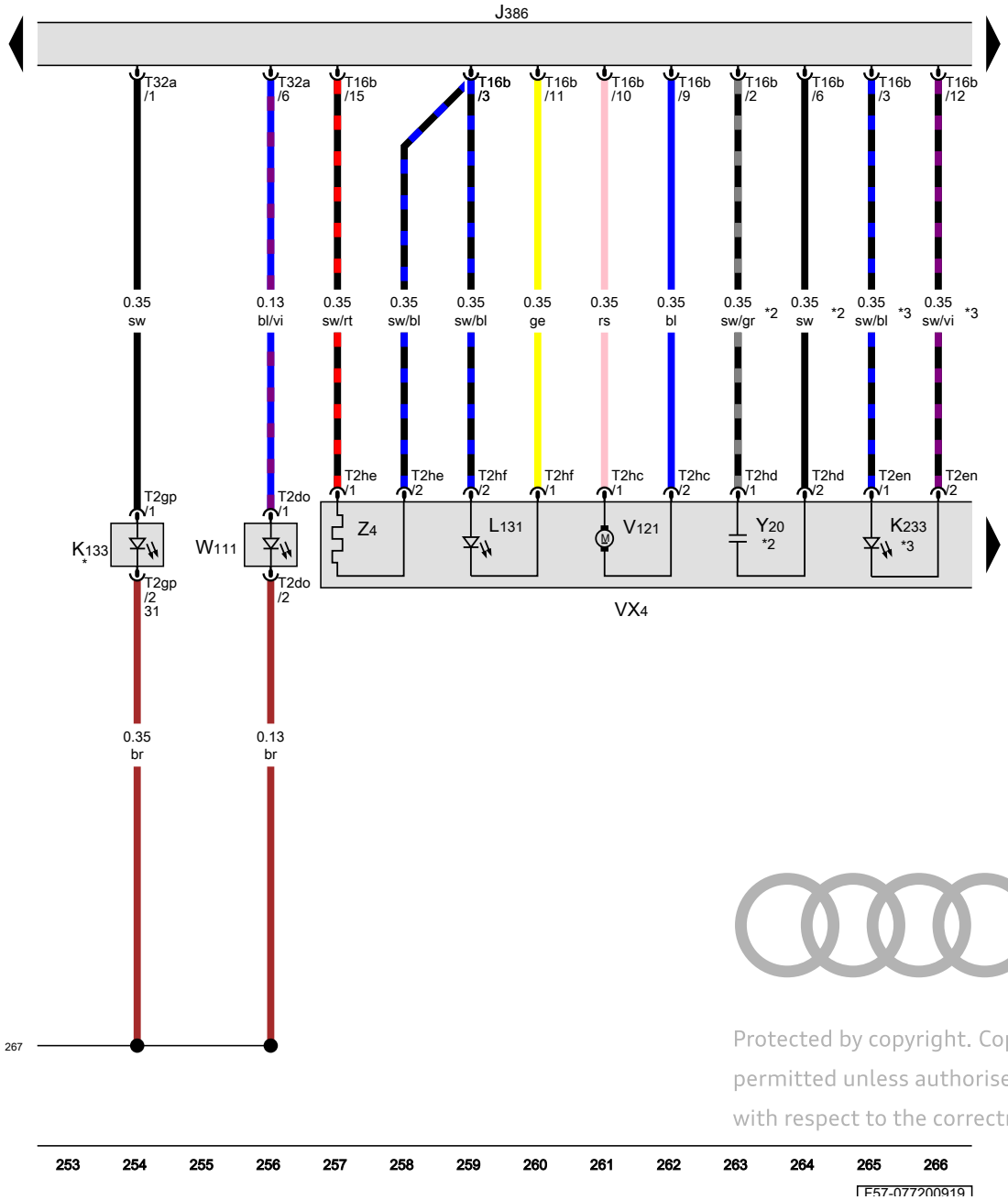

Driver door control unit, Central locking SAFELOCK function warning lamp, Driver side exterior mirror, Exit warning lamp, driver side

J386	Driver door control unit
K133	Central locking SAFELOCK function warning lamp
K233	Lane change assist warning lamp in driver side exterior mirror
L131	Driver side turn signal repeater bulb
T2do	2-pin connector, black
T2en	2-pin connector, black
T2gp	2-pin connector, black
T2hc	2-pin connector, black
T2hd	2-pin connector, black
T2he	2-pin connector, black
T2hf	2-pin connector, brown
T16b	16-pin connector, white
T32a	32-pin connector, blue
VX4	Driver side exterior mirror
V121	Driver side fold-in mirror motor
W111	Exit warning lamp, driver side
Y20	Automatic anti-dazzle exterior mirror, driver side
Z4	Heated exterior mirror on driver side
267	Earth connection 2, in drive side door wiring harness
*	Pre-wired component
*2	For models with automatic anti-dazzle exterior mirror
*3	For models with lane change assist

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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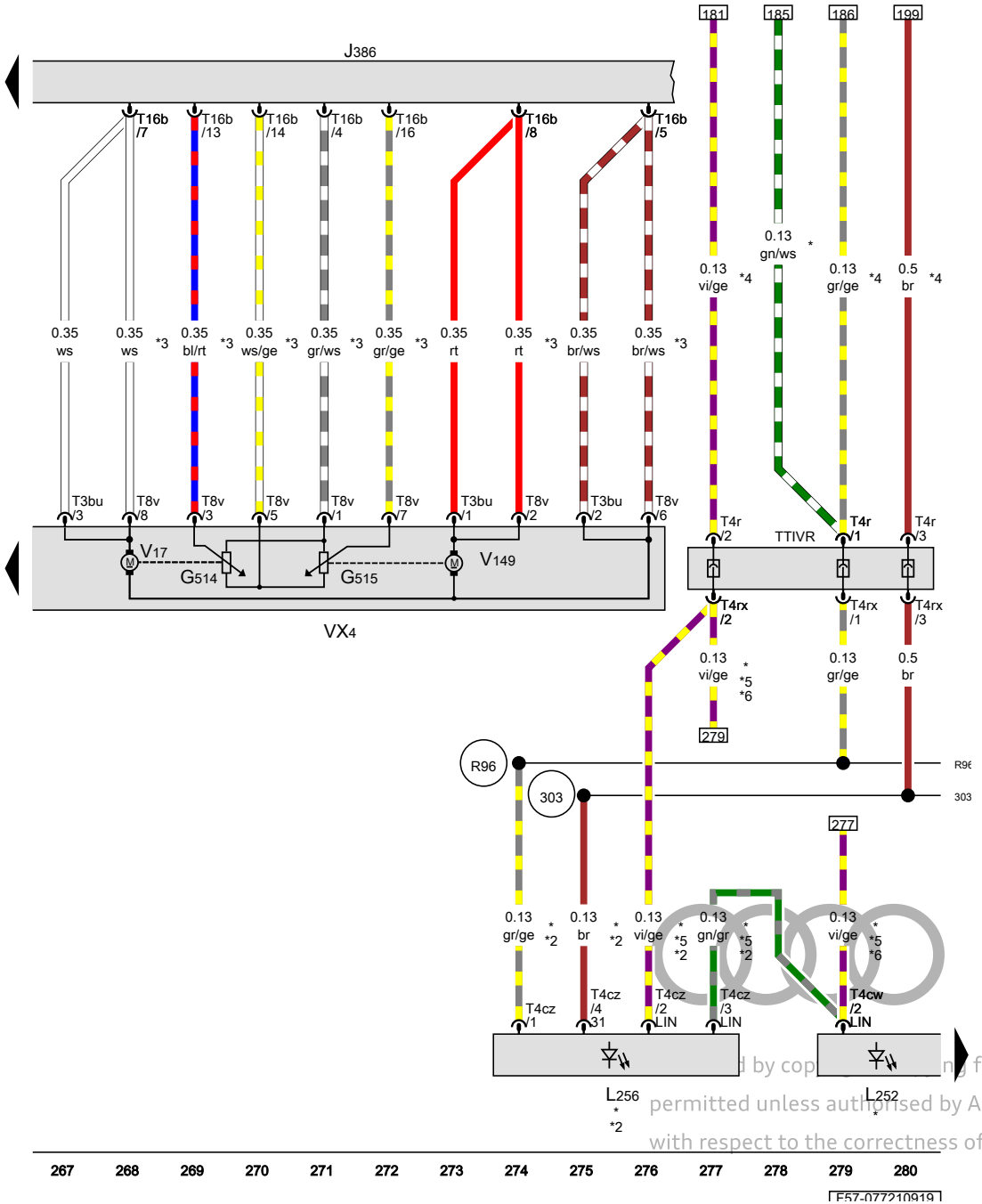

Driver door control unit, Light for front right door contour lighting, Light for right door storage compartment illumination, Coupling point in front right door, Driver side exterior mirror

G514	Potentiometer for horizontal adjustment of driver side mirror
G515	Potentiometer for vertical adjustment of driver side mirror
J386	Driver door control unit
L252	Light for front right door contour lighting
L256	Light for right door storage compartment illumination
T3bu	3-pin connector, black
T4cw	4-pin connector, red
T4cz	4-pin connector, black
T4r	4-pin connector, black
T4rx	4-pin connector, black
T8v	8-pin connector, black
T16b	16-pin connector, white
TTIVR	Coupling point in front right door
VX4	Driver side exterior mirror
V17	Driver side mirror adjustment motor 2
V149	Driver side mirror adjustment motor
303	Earth connection 3, in drive side door wiring harness
R96	Connection 3 in driver side door wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	For models with electric seat adjustment and memory function
*4	Optional equipment
*5	According to equipment
*6	From October 2019

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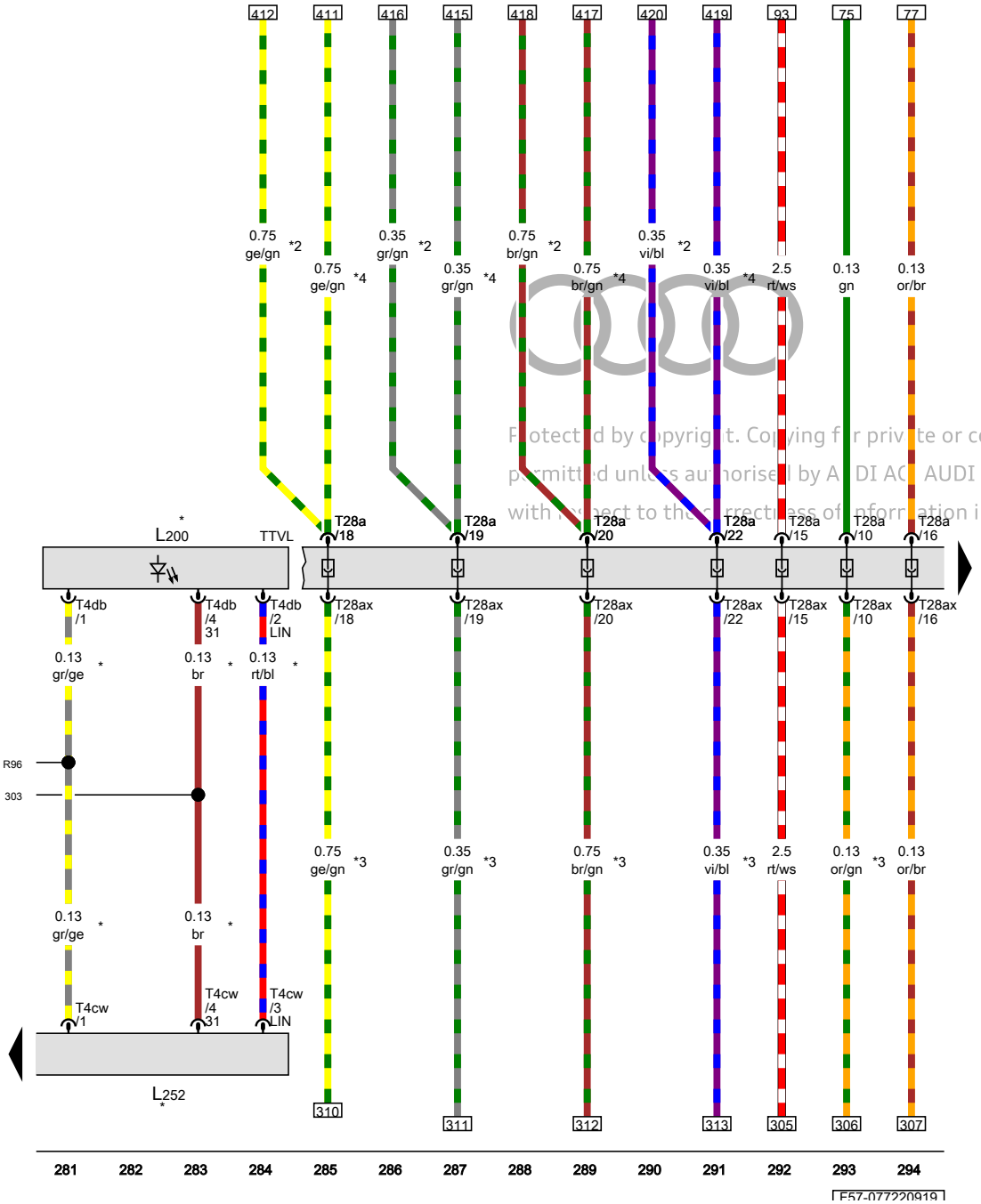

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Light 1 for front right door background lighting, Light for front right door contour lighting, Coupling point for front left door

L200	Light 1 for front right door background lighting
L252	Light for front right door contour lighting
T4cw	4-pin connector, red
T4db	4-pin connector, brown
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
303	Earth connection 3, in drive side door wiring harness
R96	Connection 3 in driver side door wiring harness
*	For models with additional lights
*2	For Cabriolet models
*3	Different wire colour possible
*4	Coupé

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or	=	orange
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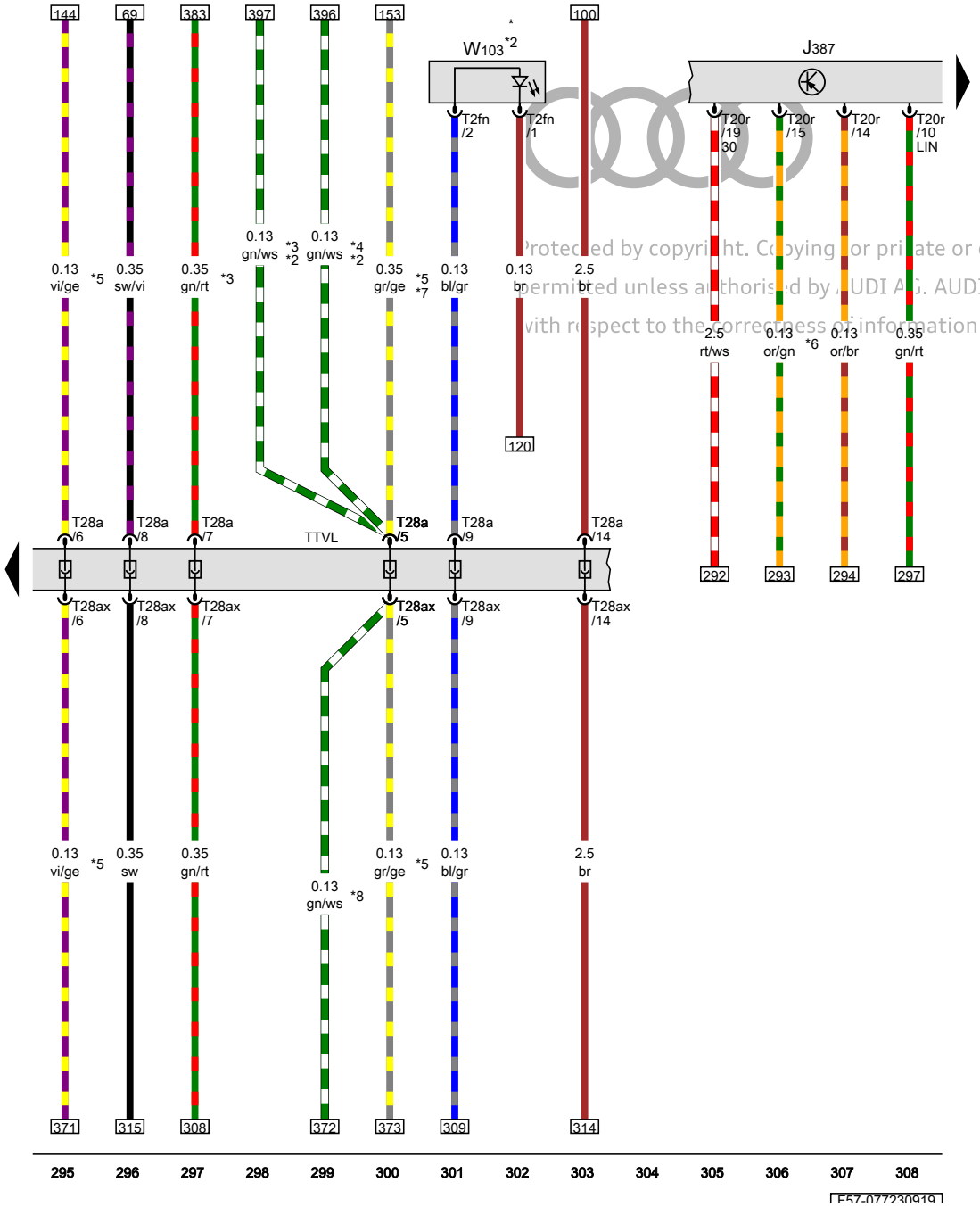

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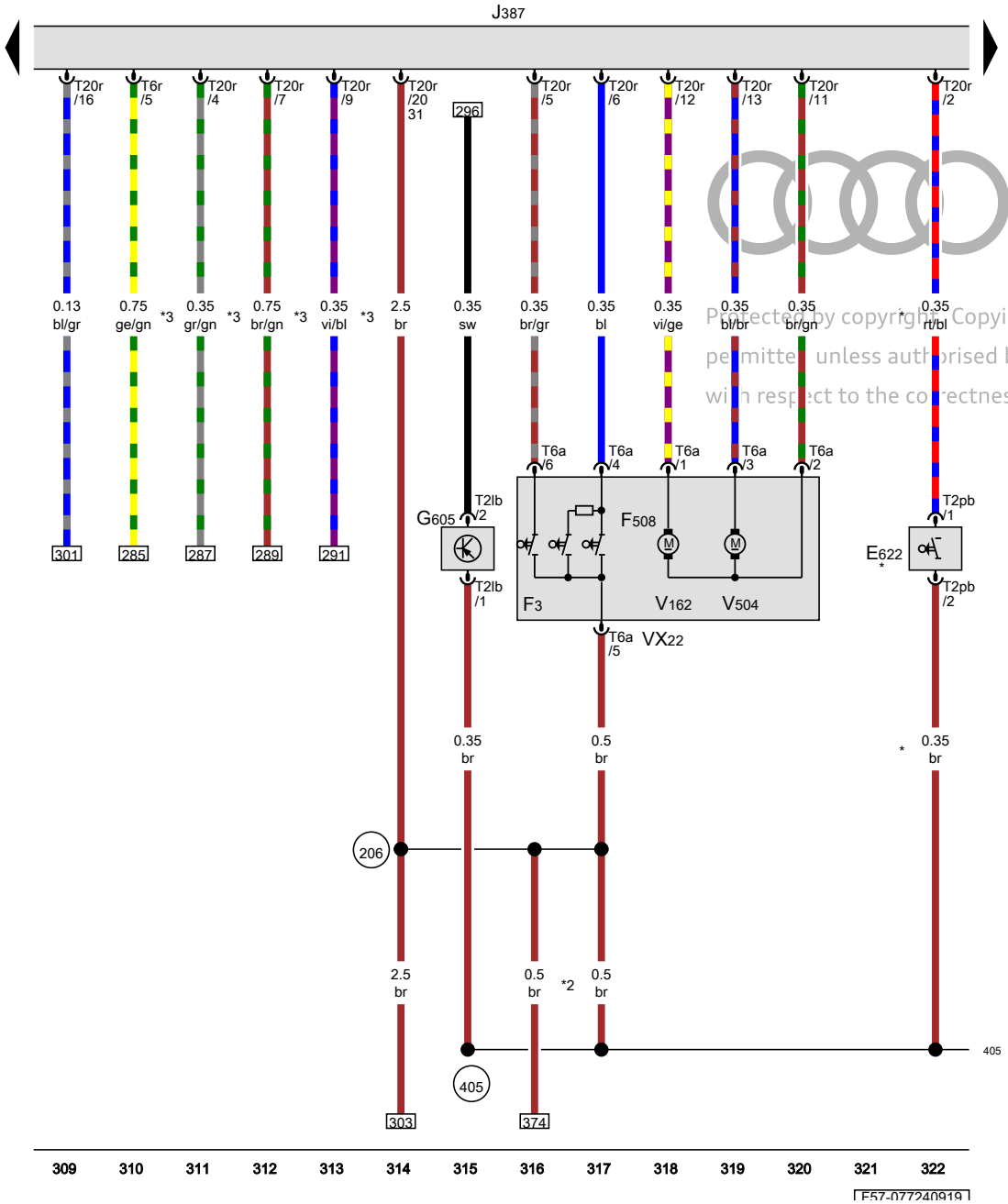
Front passenger door control unit, Coupling point for front left door, Light for sill panel moulding background lighting, front passenger side

J387	Front passenger door control unit
T2fn	2-pin connector, black
T20r	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
W103	Light for sill panel moulding background lighting, front passenger side
*	Pre-wired component
*2	For models with additional lights
*3	For Cabriolet models
*4	Coupé
*5	Optional equipment
*6	Different wire colour possible
*7	Cross section depends on equipment
*8	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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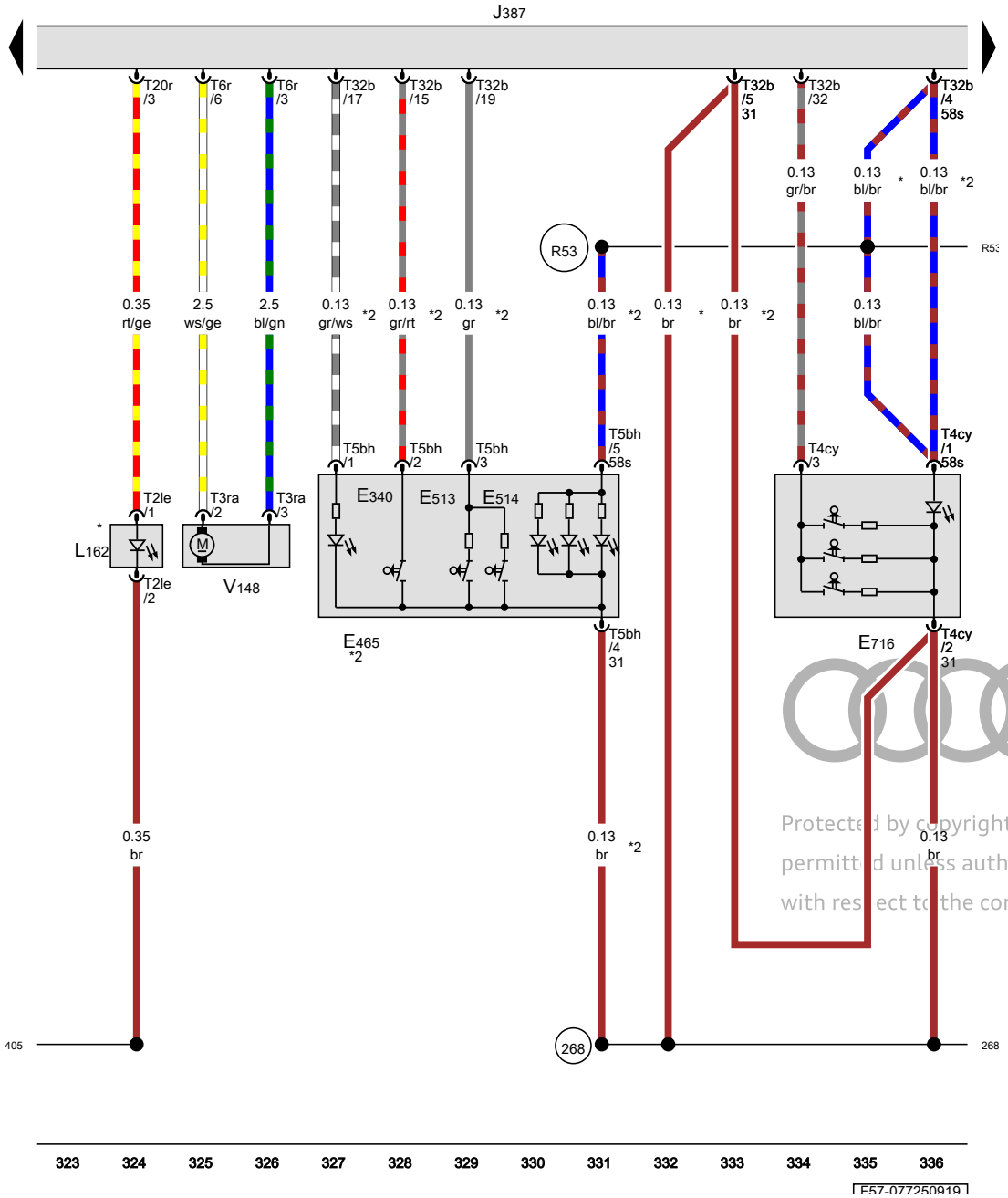
rs = pink

Microswitch for lowering front passenger window, Front passenger door control unit, Front passenger door lock unit

E622	Microswitch for lowering front passenger window
F3	Front passenger door contact switch
F508	Passenger side central locking actuator
G605	Contact sensor for front left exterior door handle
J387	Front passenger door control unit
T2lb	2-pin connector, black
T2pb	2-pin connector, black
T6a	6-pin connector, black
T6r	6-pin connector, black
T20r	20-pin connector, white
VX22	Front passenger door lock unit
V162	Front passenger door central locking SAFELOCK function motor
V504	Central locking motor on front passenger side
206	Earth connection, in front passenger door wiring harness
405	Earth connection 4, in front passenger side door wiring harness
*	For Cabriolet models
*2	Optional equipment
*3	Different wire colour possible



Front passenger operating unit for memory settings, Front passenger side window regulator button, Front passenger door control unit, Front passenger side window regulator motor

E340	Front passenger seat memory function button
E465	Front passenger operating unit for memory settings
E513	Seat memory position button 1 in front passenger door
E514	Seat memory position button 2 in front passenger door
E716	Front passenger side window regulator button
J387	Front passenger door control unit
L162	Front left exterior door handle illumination bulb
T2le	2-pin connector, black
T3ra	3-pin connector, blue
T4cy	4-pin connector, brown
T5bh	5-pin connector, black
T6r	6-pin connector, black
T20r	20-pin connector, white
T32b	32-pin connector, blue
V148	Front passenger side window regulator motor
268	Earth connection 2, in front passenger side door wiring harness
405	Earth connection 4, in front passenger side door wiring harness
R53	Connection (58s), in driver side door wiring harness
*	Optional equipment
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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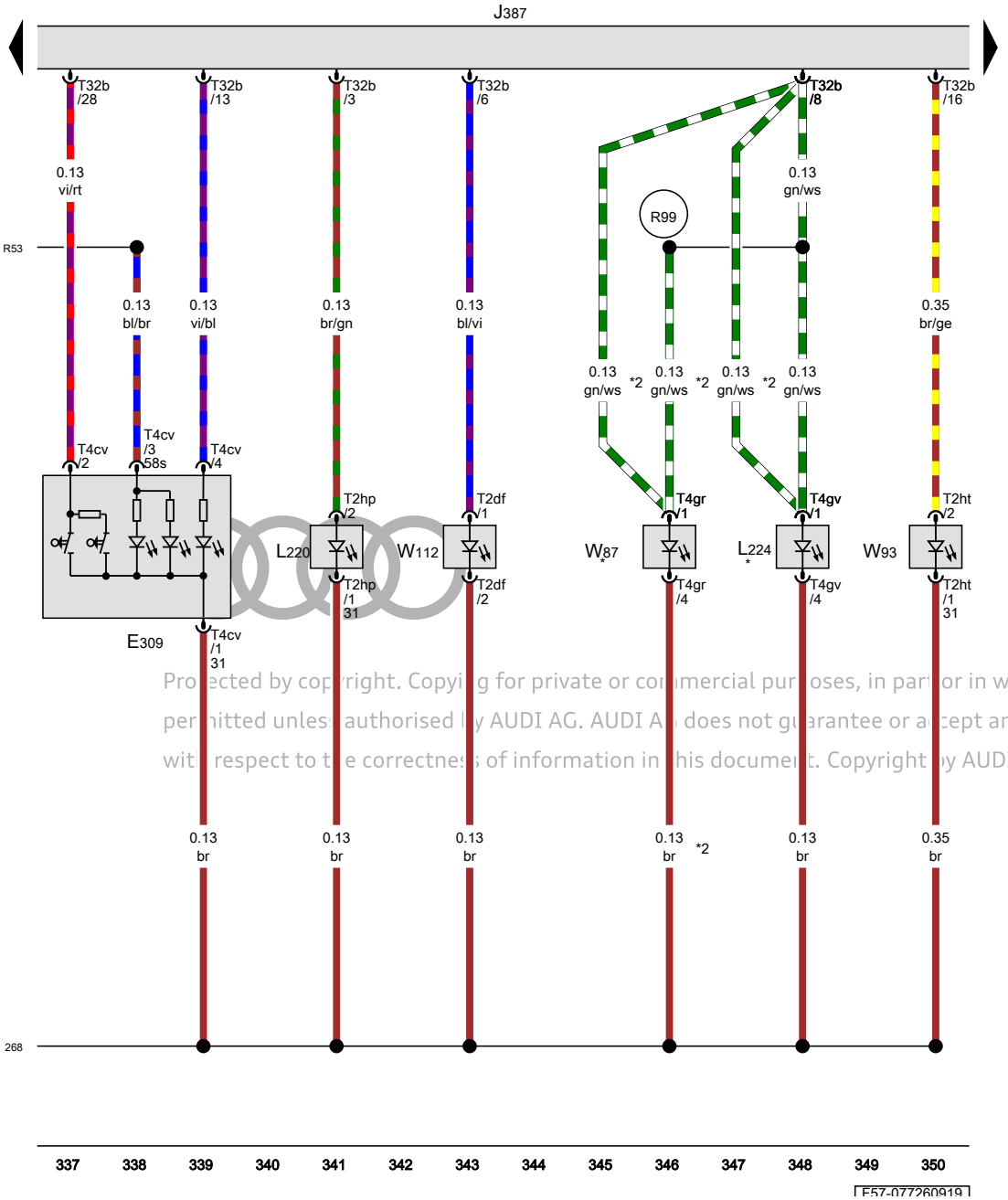

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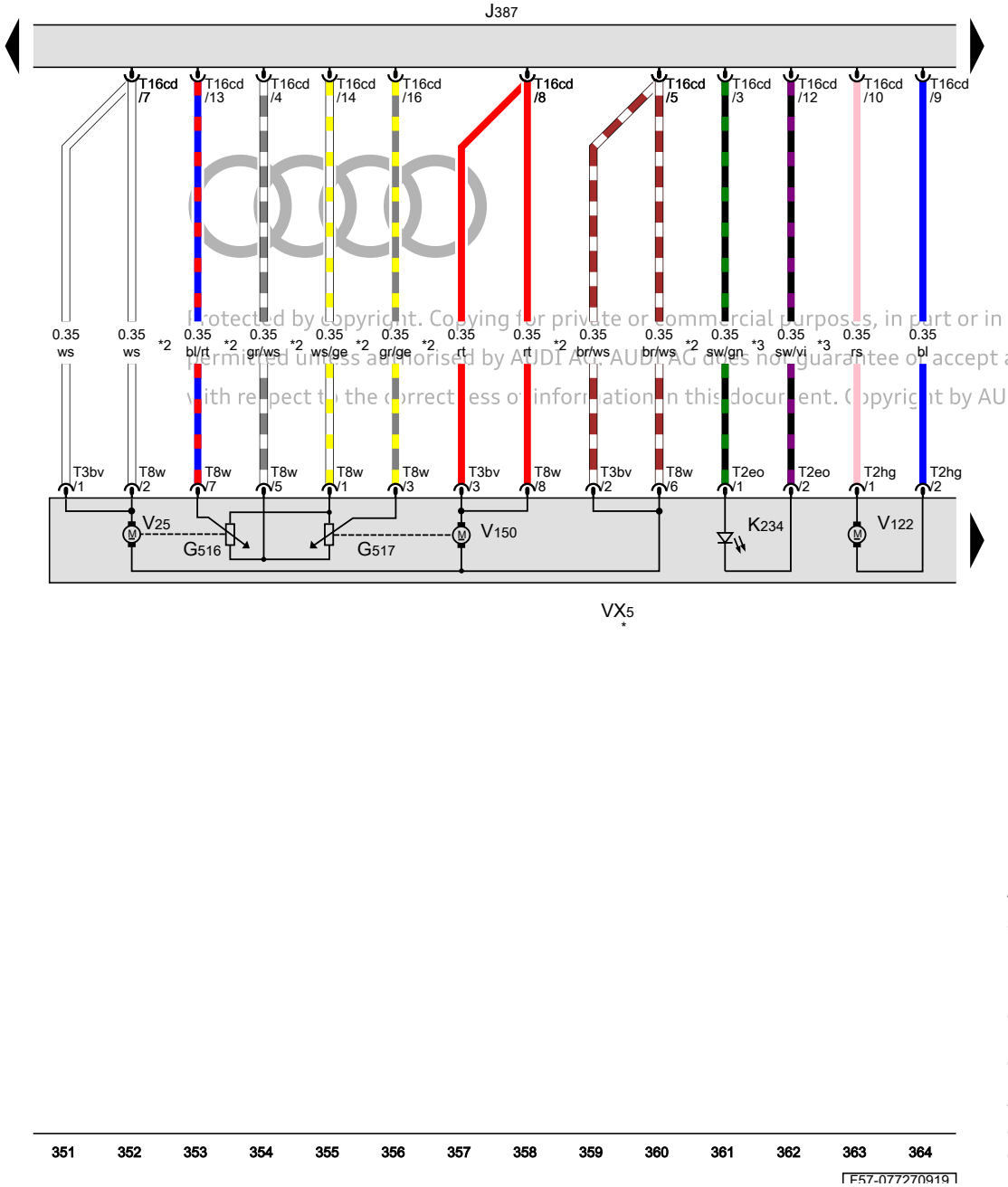
Front passenger side interior locking button for central locking system, Front passenger door control unit, Light for passenger side interior door handle illumination, Light for passenger side door loudspeaker trim, Light for passenger door background lighting, Passenger side entry light, Exit warning lamp, front passenger side

E309	Front passenger side interior locking button for central locking system
J387	Front passenger door control unit
L220	Light for passenger side interior door handle illumination
L224	Light for passenger side door loudspeaker trim
T2df	2-pin connector, black
T2hp	2-pin connector, brown
T2ht	2-pin connector, black
T4cv	4-pin connector, brown
T4gr	4-pin connector, black
T4gv	4-pin connector, brown
T32b	32-pin connector, blue
W87	Light for passenger door background lighting
W93	Passenger side entry light
W112	Exit warning lamp, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
R53	Connection (58s), in driver side door wiring harness
R99	Connection 2 in front passenger side door wiring harness
*	For models with additional lights
*2	According to equipment



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Front passenger door control unit, Passenger side exterior mirror

G516	Potentiometer for horizontal adjustment of front passenger side mirror
G517	Potentiometer for vertical adjustment of front passenger side mirror
J387	Front passenger door control unit
K234	Lane change assist warning lamp in passenger side exterior mirror
T2eo	2-pin connector, black
T2hg	2-pin connector, black
T3bv	3-pin connector, black
T8w	8-pin connector, black
T16cd	16-pin connector, white
VX5	Passenger side exterior mirror
V25	Front passenger side mirror adjustment motor 2
V122	Front passenger side fold-in mirror motor
V150	Front passenger side mirror adjustment motor
*	According to equipment
*2	For models with electric seat adjustment and memory function
*3	For models with lane change assist

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
vi	=	purple
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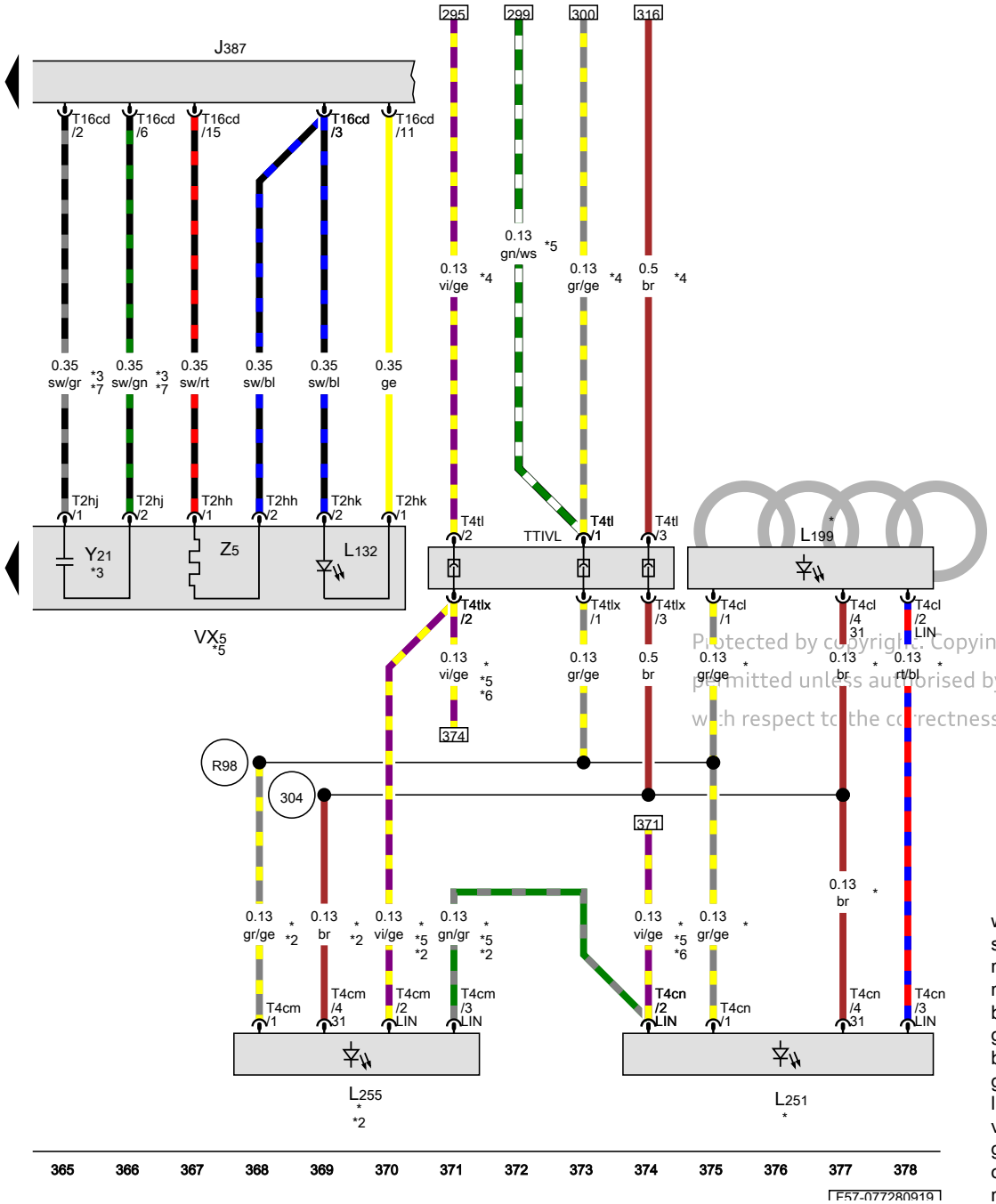

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bl = blue
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li = purple
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ge = yellow
or = orange
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Front passenger door control unit, Light 1 for front left door background lighting, Light for front left door contour lighting, Light for left door storage compartment illumination, Coupling point in front left door, Passenger side exterior mirror

J387	Front passenger door control unit
L132	Front passenger side turn signal repeater bulb
L199	Light 1 for front left door background lighting
L251	Light for front left door contour lighting
L255	Light for left door storage compartment illumination
T2hh	2-pin connector, black
T2hj	2-pin connector, black
T2hk	2-pin connector, brown
T4cl	4-pin connector, brown
T4cm	4-pin connector, black
T4cn	4-pin connector, red
T4tl	4-pin connector, black
T4tlx	4-pin connector, black
T16cd	16-pin connector, white
TTIVL	Coupling point in front left door
VX5	Passenger side exterior mirror
Y21	Automatic anti-dazzle exterior mirror, passenger side
Z5	Heated exterior mirror on passenger side
304	Earth connection 3, in front passenger side door wiring harness
R98	Connection 1 in front passenger side door wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	If fitted
*4	Optional equipment
*5	According to equipment
*6	From October 2019
*7	For models with automatic anti-dazzle exterior mirror

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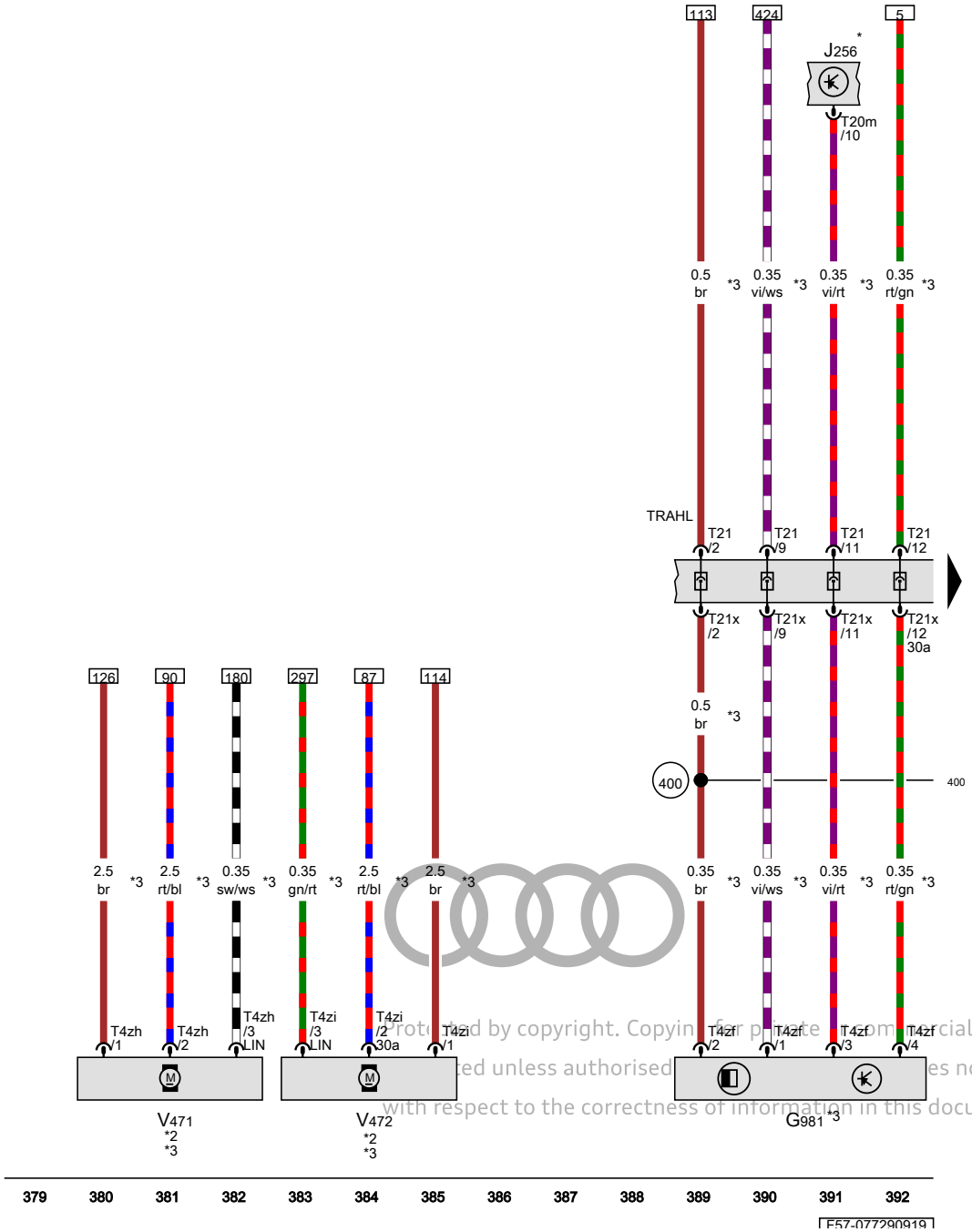

Left ultrasonic sensor for passenger compartment monitoring system, rear, Convertible roof actuation control unit, Coupling point in rear left wheel housing wiring, Rear driver side window regulator motor, Rear passenger side window regulator motor

G981	Left ultrasonic sensor for passenger compartment monitoring system, rear
J256	Convertible roof actuation control unit
T4zf	4-pin connector, black
T4zh	4-pin connector, black
T4zi	4-pin connector, black
T20m	20-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
V471	Rear driver side window regulator motor
V472	Rear passenger side window regulator motor
400	Earth connection 35, in main wiring harness
*	see applicable current flow diagram for convertible roof
*2	Pre-wired component
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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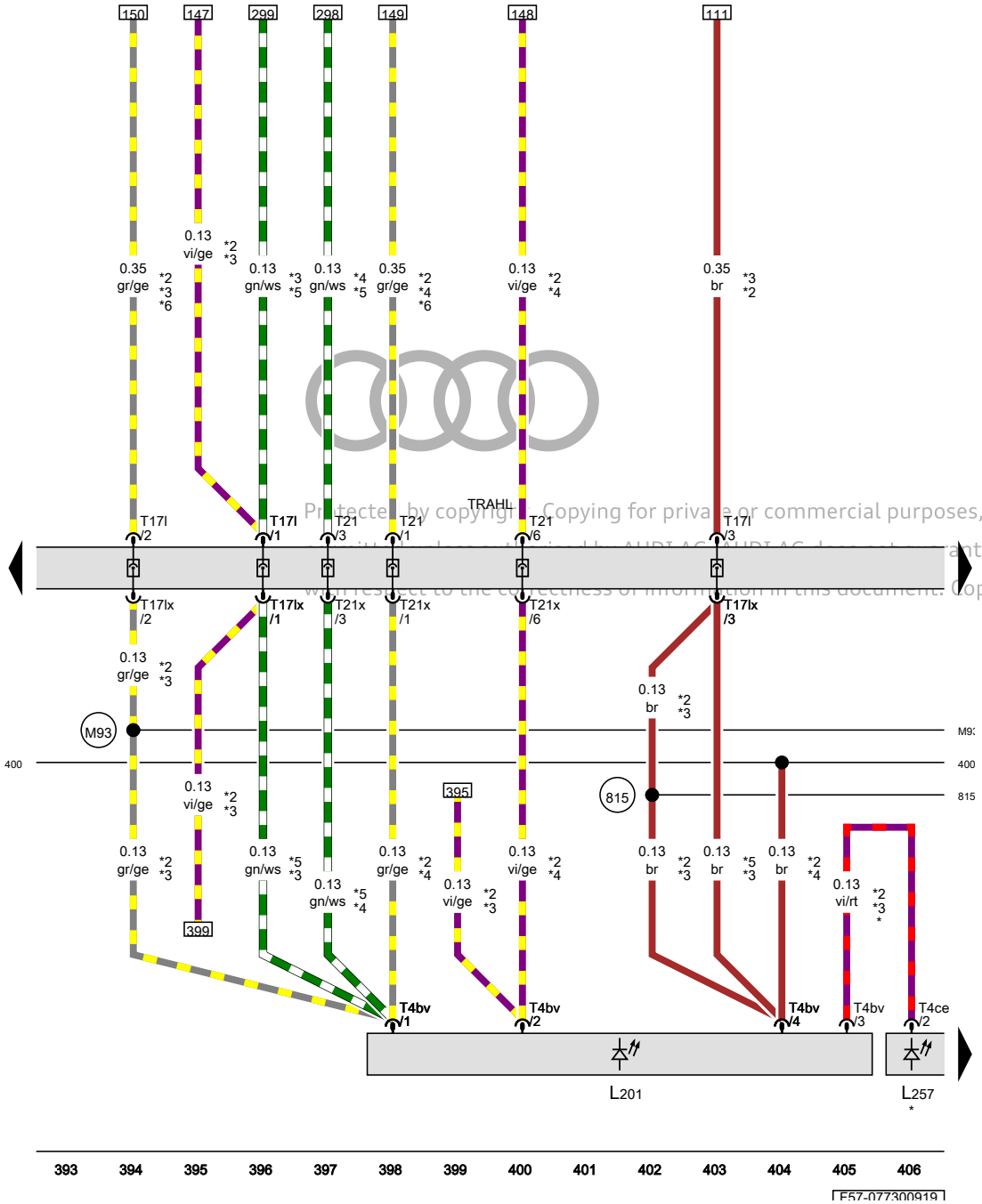

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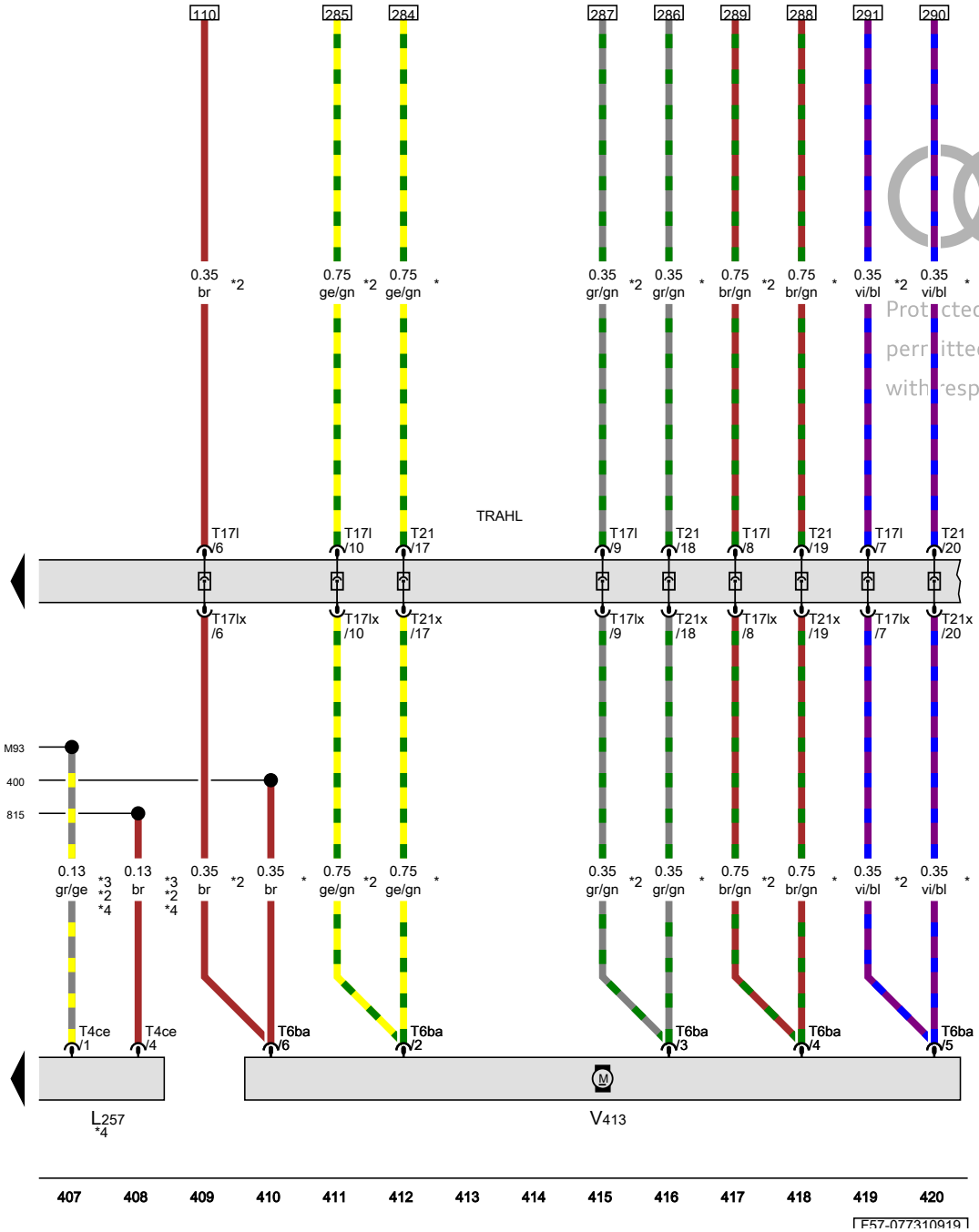
Light 1 for rear left door background lighting, Light for rear left door storage compartment illumination, Coupling point in rear left wheel housing wiring

L201	Light 1 for rear left door background lighting
L257	Light for rear left door storage compartment illumination
T4bv	4-pin connector, brown
T4ce	4-pin connector, brown
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
400	Earth connection 35, in main wiring harness
815	Earth connection 2, in rear armrest wiring harness
M93	Connection 2, in rear armrest wiring harness
*	Up to September 2019
*2	Optional equipment
*3	Coupé
*4	For Cabriolet models
*5	For models with additional lights
*6	Cross section depends on equipment



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Light for rear left door storage compartment illumination, Coupling point in rear left wheel housing wiring, Left belt feeder motor

L257	Light for rear left door storage compartment illumination
T4ce	4-pin connector, brown
T6ba	6-pin connector
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
V413	Left belt feeder motor
400	Earth connection 35, in main wiring harness
815	Earth connection 2, in rear armrest wiring harness
M93	Connection 2, in rear armrest wiring harness
*	For Cabriolet models
*2	Coupé
*3	Optional equipment
*4	Up to September 2019

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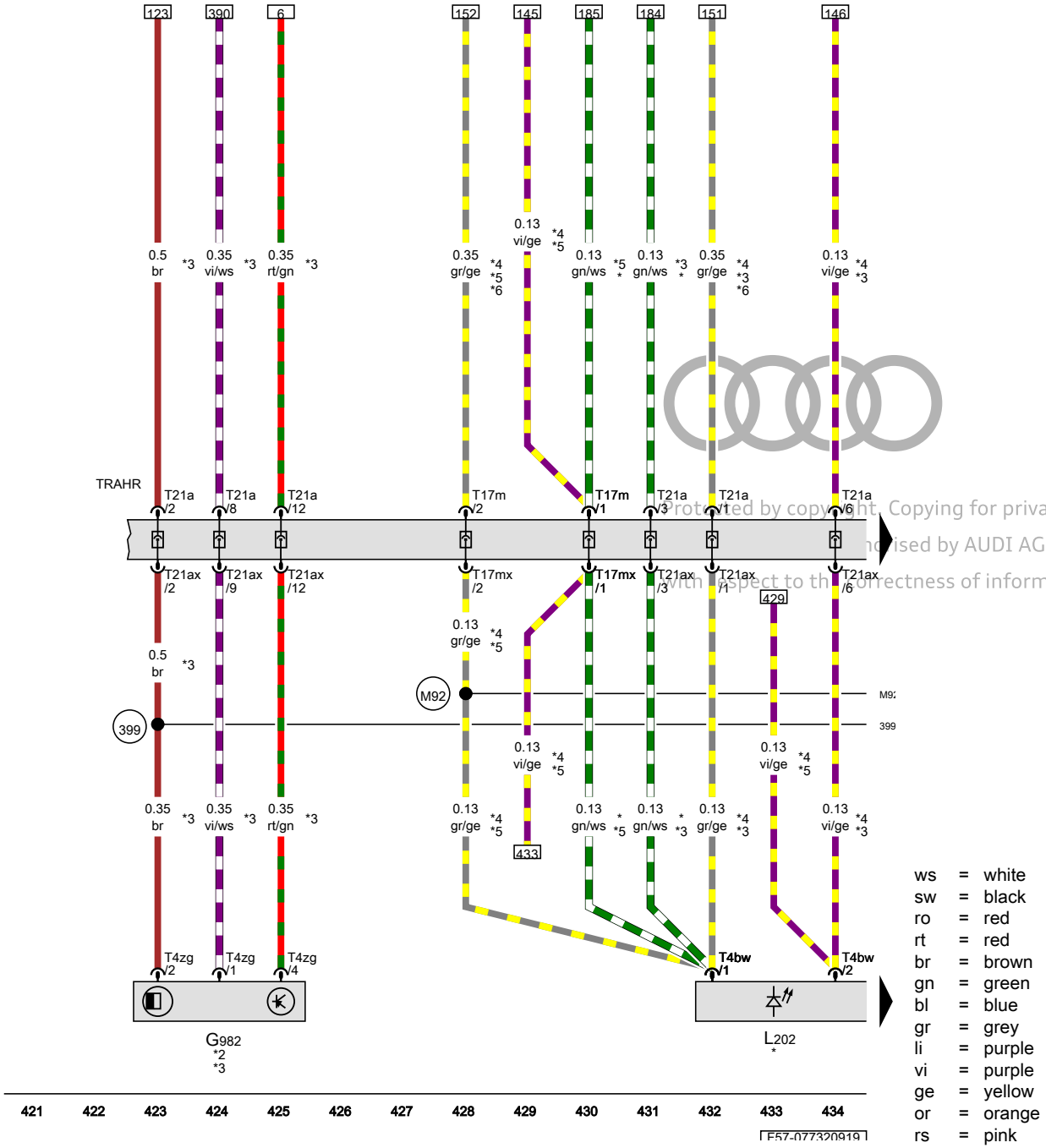

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Right ultrasonic sensor for passenger compartment monitoring system, rear, Light 1 for rear right door background lighting, Coupling point in rear right wheel housing wiring

G982	Right ultrasonic sensor for passenger compartment monitoring system, rear
L202	Light 1 for rear right door background lighting
T4bw	4-pin connector, brown
T4zg	4-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
399	Earth connection 34, in main wiring harness
M92	Connection 1, in rear armrest wiring harness
*	For models with additional lights
*2	Pre-wired component
*3	For Cabriolet models
*4	Optional equipment
*5	Coupé
*6	Cross section depends on equipment

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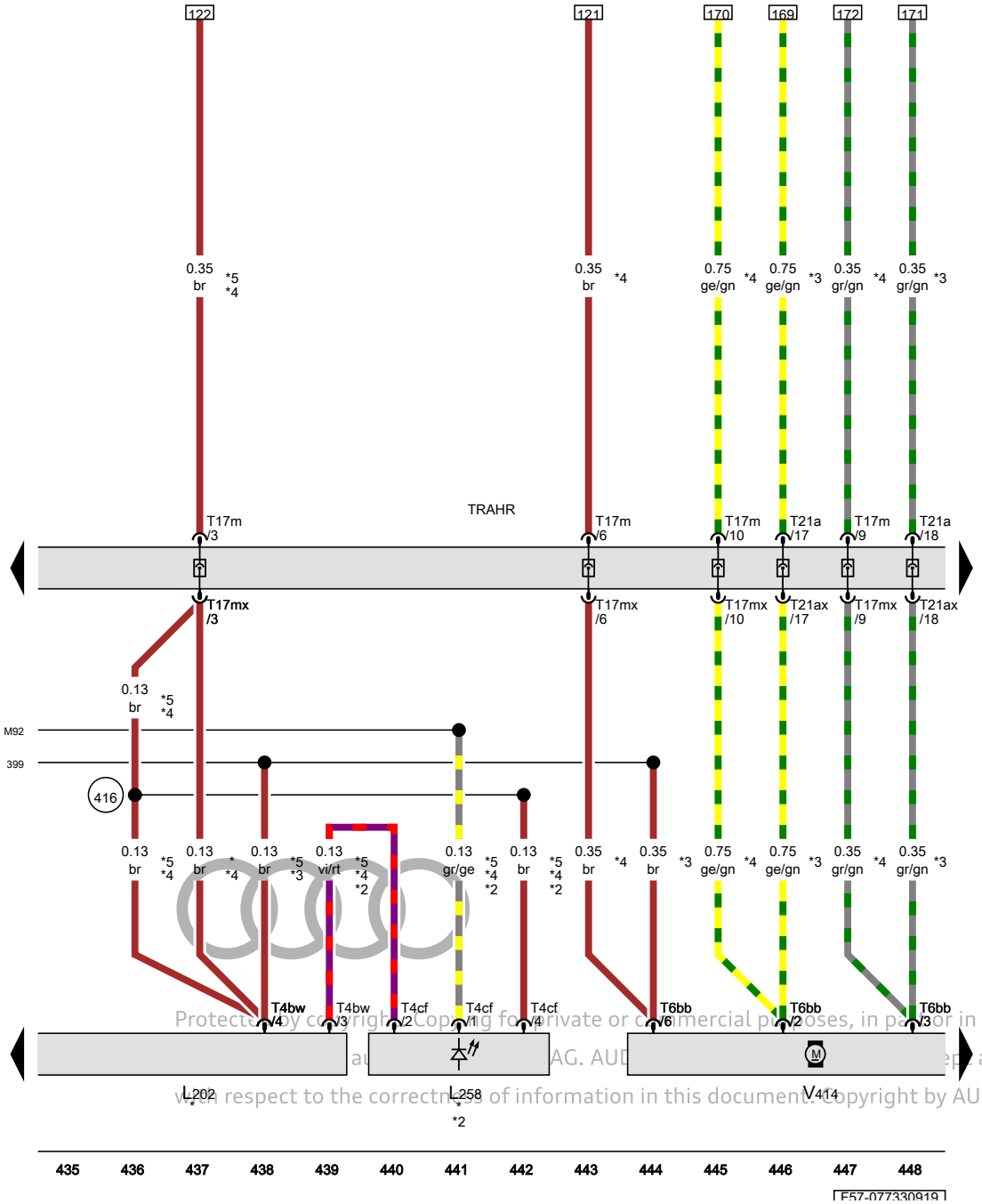

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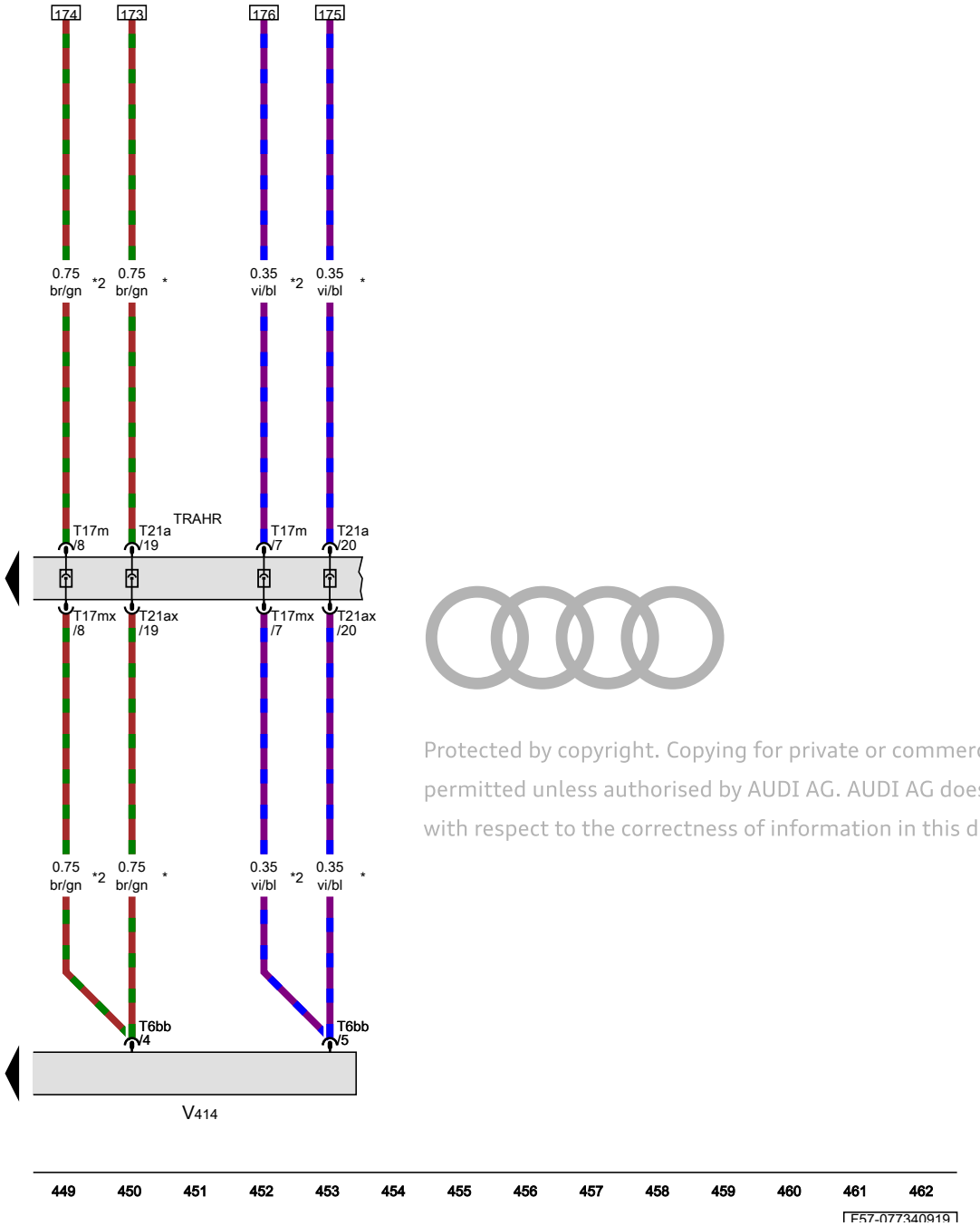
Light 1 for rear right door background lighting, Light for rear right door storage compartment illumination, Coupling point in rear right wheel housing wiring, Right belt feeder motor

L202	Light 1 for rear right door background lighting
L258	Light for rear right door storage compartment illumination
T4bw	4-pin connector, brown
T4cf	4-pin connector, brown
T6bb	6-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
V414	Right belt feeder motor
399	Earth connection 34, in main wiring harness
416	Earth connection, in rear armrest wiring harness
M92	Connection 1, in rear armrest wiring harness
*	For models with additional lights
*2	Up to September 2019
*3	For Cabriolet models
*4	Coupé
*5	Optional equipment



Coupling point in rear right wheel housing wiring, Right belt feeder motor

T6bb	6-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
V414	Right belt feeder motor
*	For Cabriolet models
*2	Coupé

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Electrically operated convertible roof

From July 2016

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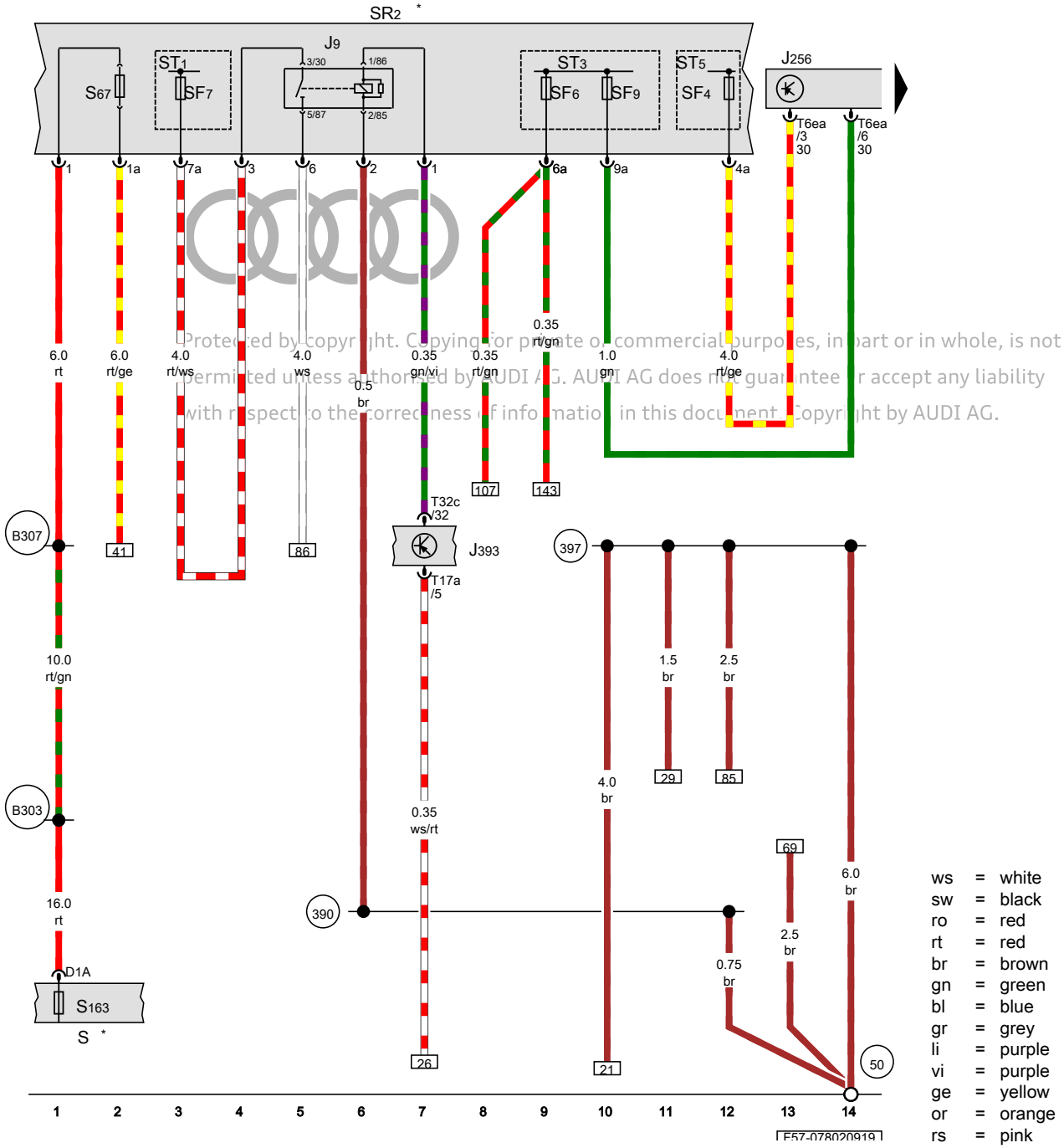

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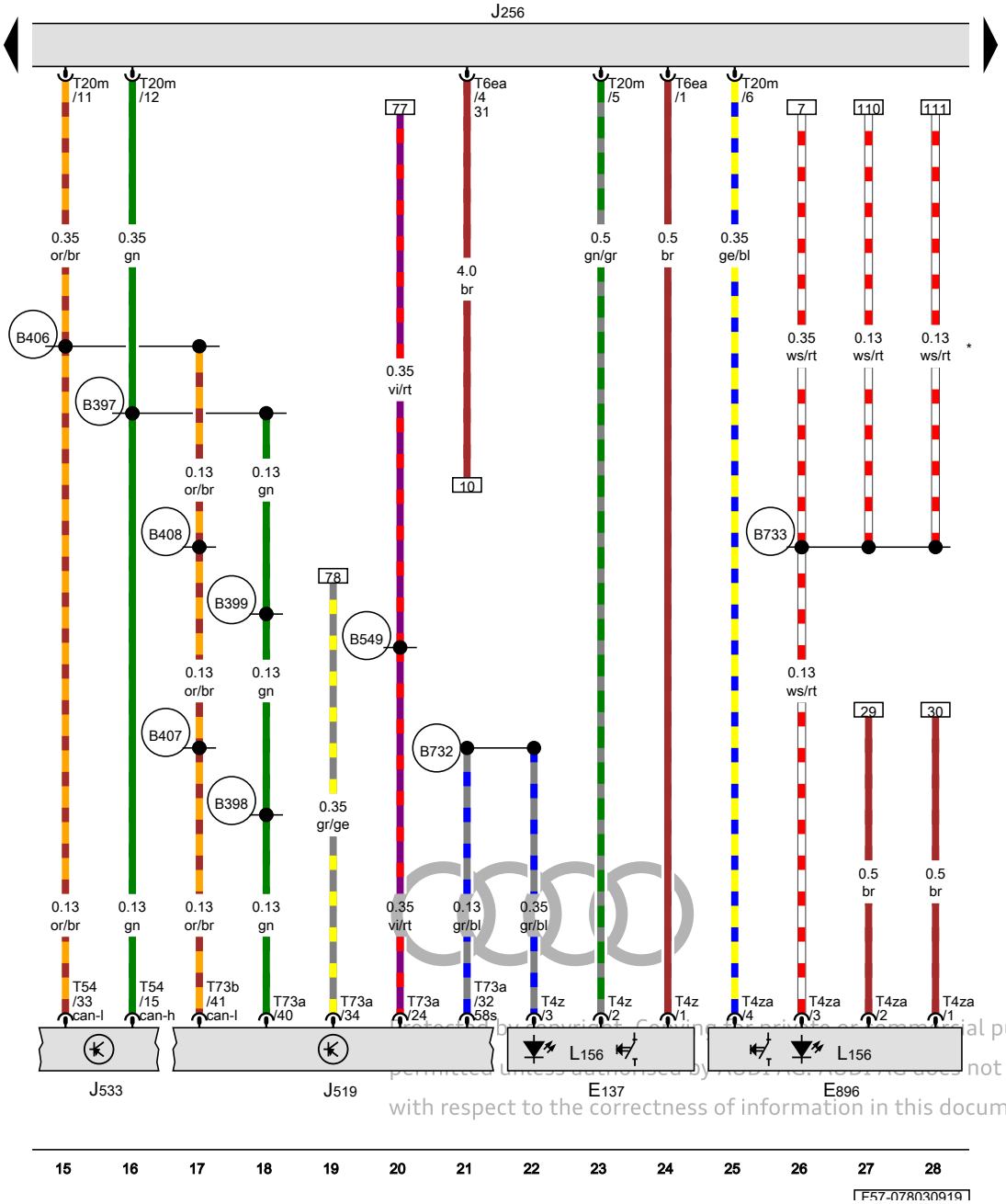
Heated rear window relay, Convertible roof actuation control unit, Relay and fuse carrier 2

J9	Heated rear window relay
J256	Convertible roof actuation control unit
J393	Convenience system central control unit
S	Fuses in fuse holder
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF4	Fuse 4 in fuse holder F
ST5	Fuse carrier 5, red
SF6	Fuse 6 in fuse holder F
SF7	Fuse 7 in fuse holder F
SF9	Fuse 9 in fuse holder F
S67	Convertible roof actuation fuse
S163	Fuse 2 (30), in battery fuse holder
T6ea	6-pin connector, black
T17a	17-pin connector, brown
T32c	32-pin connector, black
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
397	Earth connection 32, in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B307	Positive connection 11 (30), in main wiring harness
*	see applicable current flow diagram for fuse assignment



Convertible roof actuation button, Button for convertible roof box operation, Convertible roof actuation control unit

E137	Convertible roof actuation button
E896	Button for convertible roof box operation
J256	Convertible roof actuation control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
L156	Switch illumination bulb
T4z	4-pin connector, red
T4za	4-pin connector, brown
T6ea	6-pin connector, black
T20m	20-pin connector, black
T54	54-pin connector
T73a	73-pin connector, black
T73b	73-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
B549	Connection 2 (LIN bus) in main wiring harness
B732	Connection 2 (58s), in main wiring harness
B733	Connection 3 (58s), in main wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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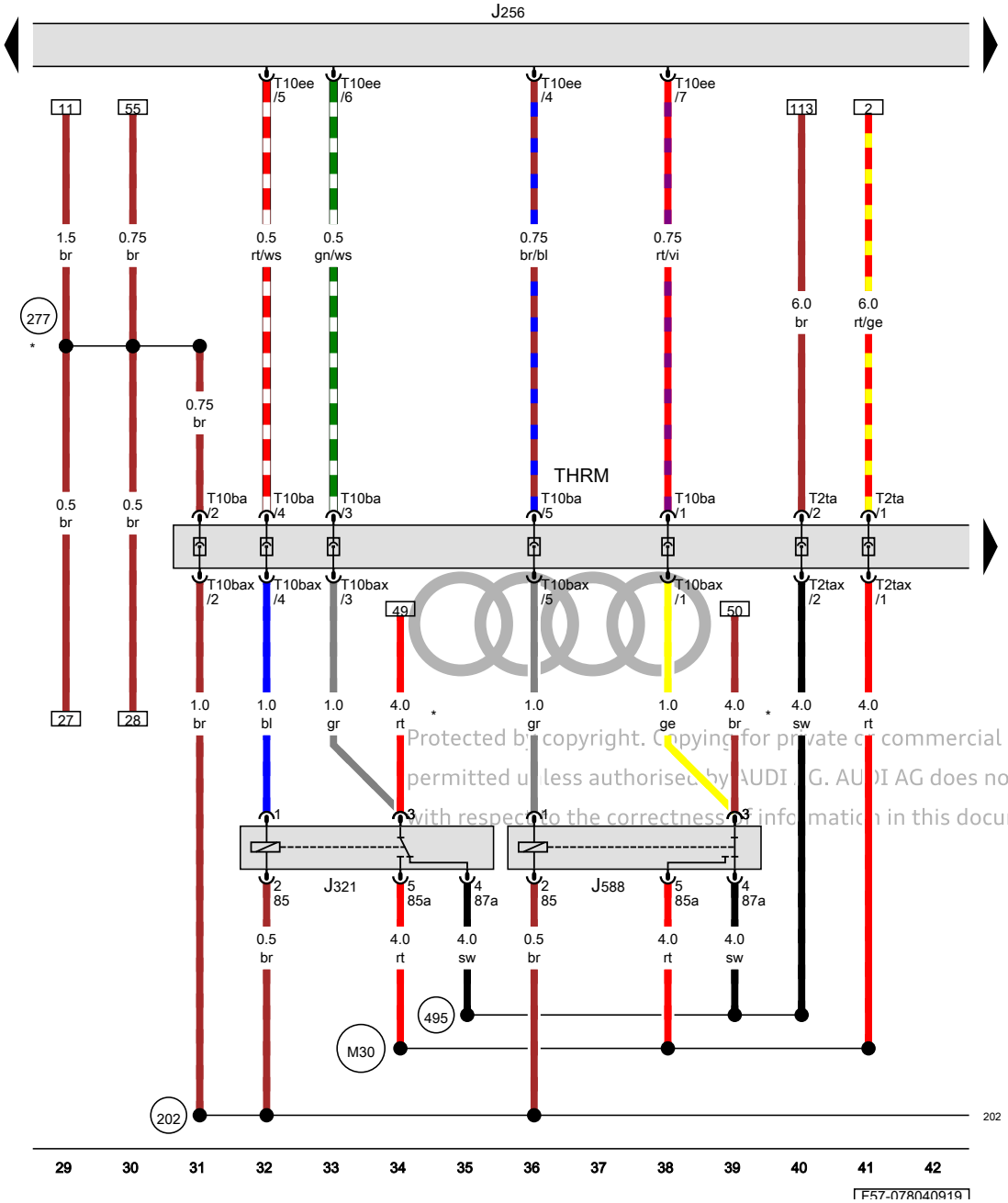

Convertible roof actuation control unit, Convertible roof actuation hydraulic pump relay, Hydraulic pump relay 2 for convertible roof

J256	Convertible roof actuation control unit
J321	Convertible roof actuation hydraulic pump relay
J588	Hydraulic pump relay 2 for convertible roof
T2ta	2-pin connector, black
T2tax	2-pin connector, black
T10ba	10-pin connector, black
T10bax	10-pin connector, black
T10ee	10-pin connector, red
THRM	Coupling point in luggage compartment, centre
202	Earth connection, in convertible roof wiring harness
277	Earth connection 3, in interior wiring harness
495	Earth connection 2 in convertible roof wiring harness
M30	Positive connection (30), in roof actuation wiring harness
*	Different wire colour possible

ws	=	white
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li	=	purple
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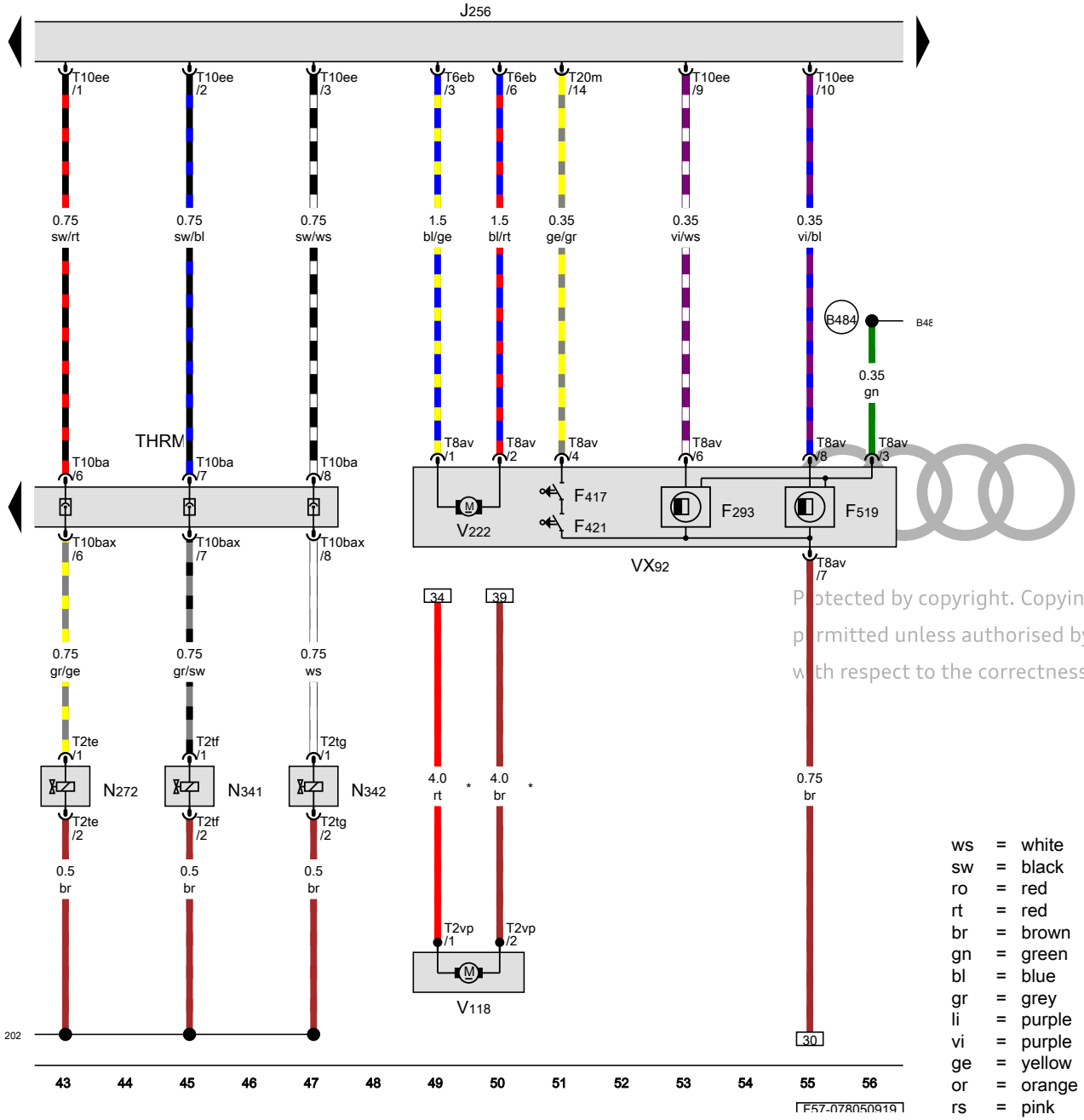

Convertible roof box lid released switch, Convertible roof box lid locked switch, left, Convertible roof box lid locked switch, right, Convertible roof box lid closed switch, Convertible roof actuation control unit, Power operated convertible roof valve 1, Power operated convertible roof valve 2, Power operated convertible roof valve 3, Lock unit for convertible roof compartment lid, Convertible roof actuation hydraulic pump, Convertible roof box lid lock motor

F293	Convertible roof box lid released switch
F417	Convertible roof box lid locked switch, left
F421	Convertible roof box lid locked switch, right
F519	Convertible roof box lid closed switch
J256	Convertible roof actuation control unit
N272	Power operated convertible roof valve 1
N341	Power operated convertible roof valve 2
N342	Power operated convertible roof valve 3
T2te	2-pin connector, black
T2tf	2-pin connector, black
T2tg	2-pin connector
T2vp	2-pin connector, black
T6eb	6-pin connector, brown
T8av	8-pin connector, black
T10ba	10-pin connector, black
T10bax	10-pin connector, black
T10ee	10-pin connector, red
T20m	20-pin connector, black
THRM	Coupling point in luggage compartment, centre
VX92	Lock unit for convertible roof compartment lid
V118	Convertible roof actuation hydraulic pump
V222	Convertible roof box lid lock motor
202	Earth connection, in convertible roof wiring harness
B484	Connection 20, in main wiring harness
*	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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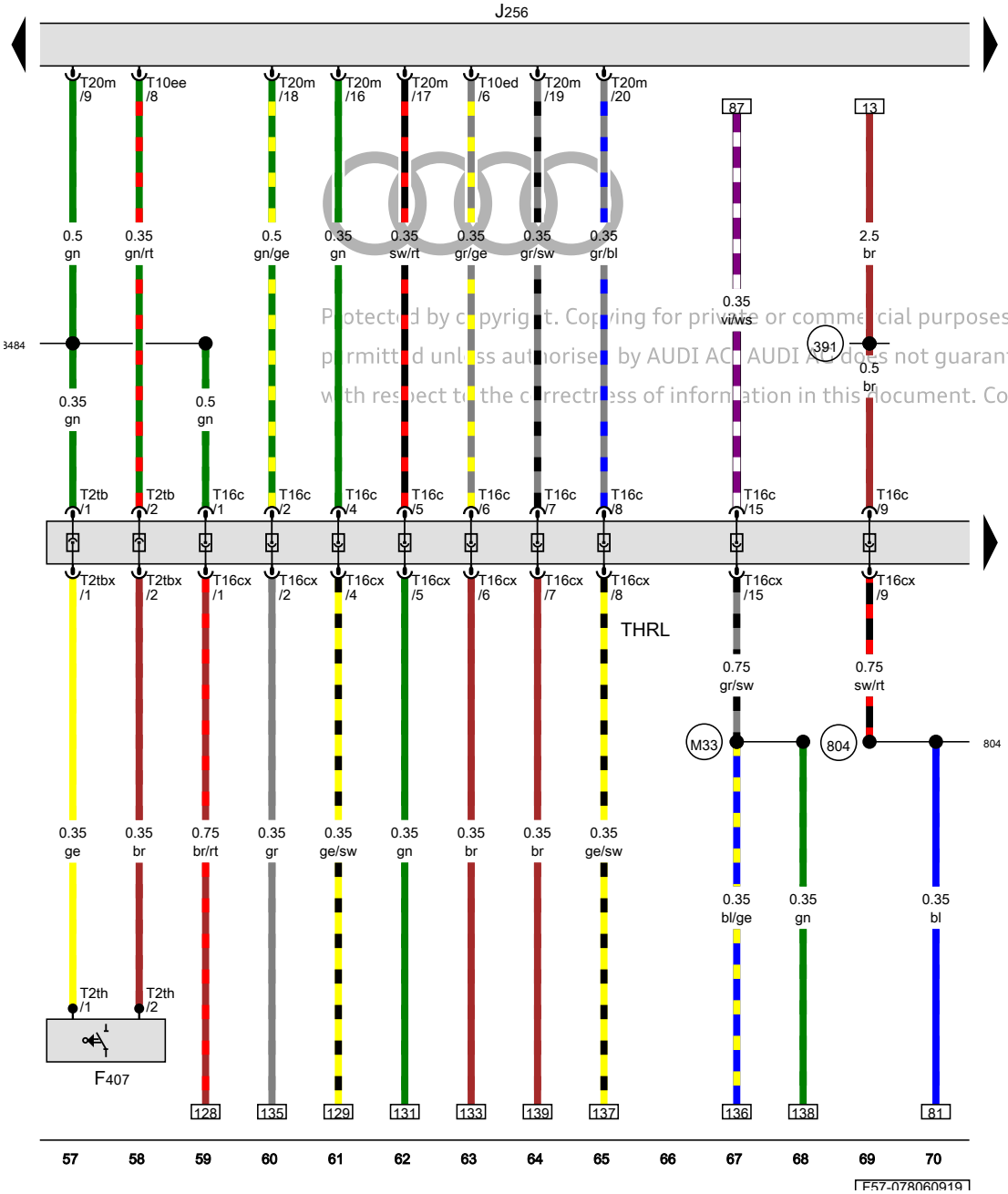

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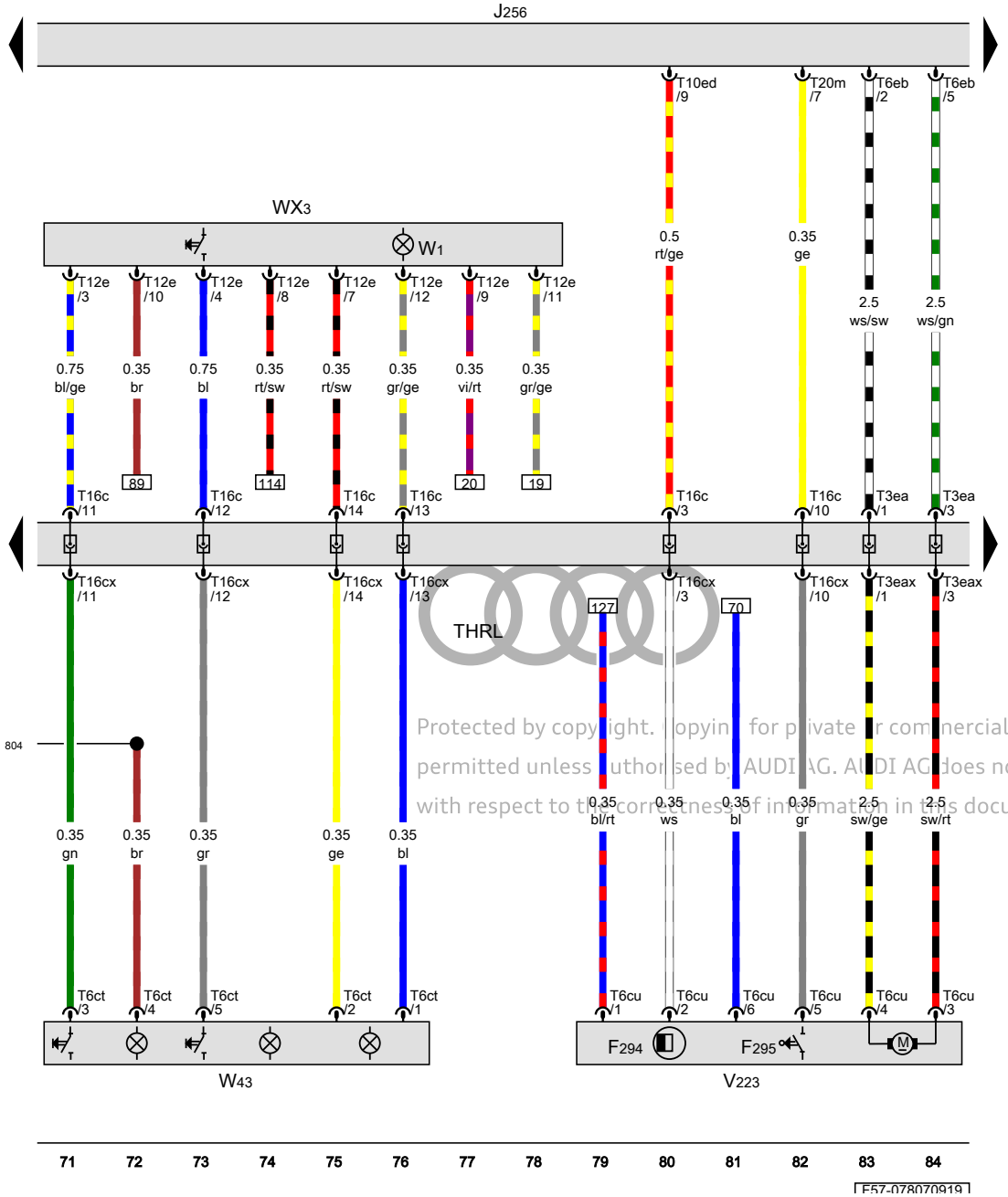
Convertible roof box lid open switch, Convertible roof actuation control unit

F407	Convertible roof box lid open switch
J256	Convertible roof actuation control unit
T2tb	2-pin connector, black
T2tbx	2-pin connector, black
T2th	2-pin connector
T10ed	10-pin connector, black
T10ee	10-pin connector, red
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T20m	20-pin connector, black
THRL	Coupling point in luggage compartment, left
391	Earth connection 26, in main wiring harness
804	Earth connection 3 in convertible roof wiring harness
B484	Connection 20, in main wiring harness
M33	Connection 2, in wiring harness for roof operation

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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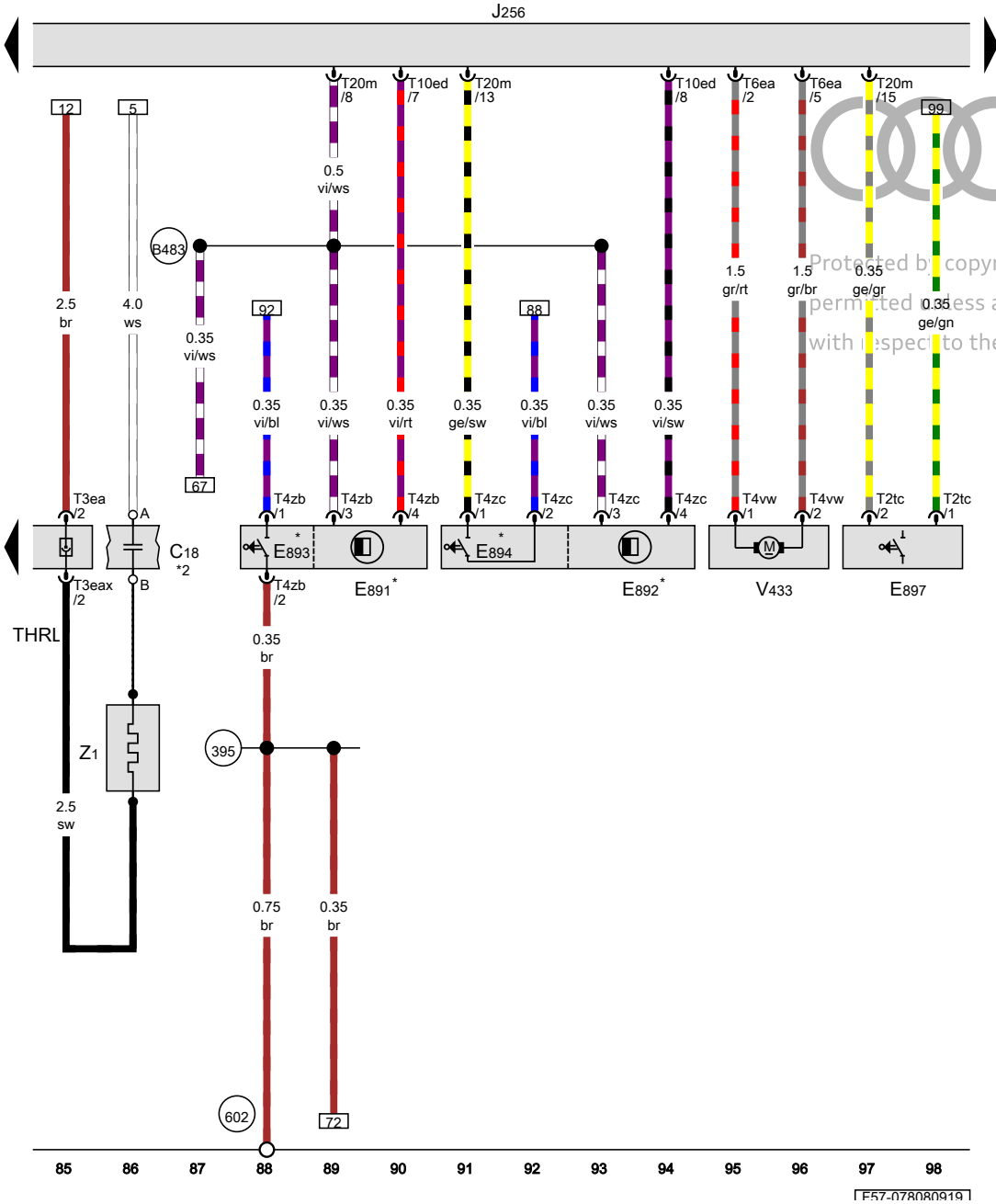
Convertible roof latch open switch, Convertible roof latch closed switch, Convertible roof actuation control unit, Convertible roof lock motor, Front roof module, Rear interior light

F294	Convertible roof latch open switch
F295	Convertible roof latch closed switch
J256	Convertible roof actuation control unit
T3ea	3-pin connector, black
T3eax	3-pin connector, black
T6ct	6-pin connector, black
T6cu	6-pin connector, black
T6eb	6-pin connector, brown
T10ed	10-pin connector, black
T12e	12-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T20m	20-pin connector, black
THRL	Coupling point in luggage compartment, left
V223	Convertible roof lock motor
W1	Front interior light
WX3	Front roof module
W43	Rear interior light
804	Earth connection 3 in convertible roof wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Convertible roof latch closed switch (left-side), Convertible roof latch closed switch (right-side), Switch on left for convertible roof box, bottom, Convertible roof actuation control unit, Left motor for convertible roof box, Heated rear window

C18	Window aerial suppression filter
E891	Convertible roof latch closed switch (left-side)
E892	Convertible roof latch closed switch (right-side)
E893	Convertible roof locking readiness switch (left-side)
E894	Convertible roof locking readiness switch (right-side)
E897	Switch on left for convertible roof box, bottom
J256	Convertible roof actuation control unit
T2tc	2-pin connector
T3ea	3-pin connector, black
T3eax	3-pin connector, black
T4vw	4-pin connector, black
T4zb	4-pin connector, black
T4zc	4-pin connector, black
T6ea	6-pin connector, black
T10ed	10-pin connector, black
T20m	20-pin connector, black
THRL	Coupling point in luggage compartment, left
V433	Left motor for convertible roof box, on left in luggage compartment
Z1	Heated rear window
395	Earth connection 30, in main wiring harness
602	Earth point, in front left footwell
B483	Connection 19, in main wiring harness
*	Pre-wired component
*2	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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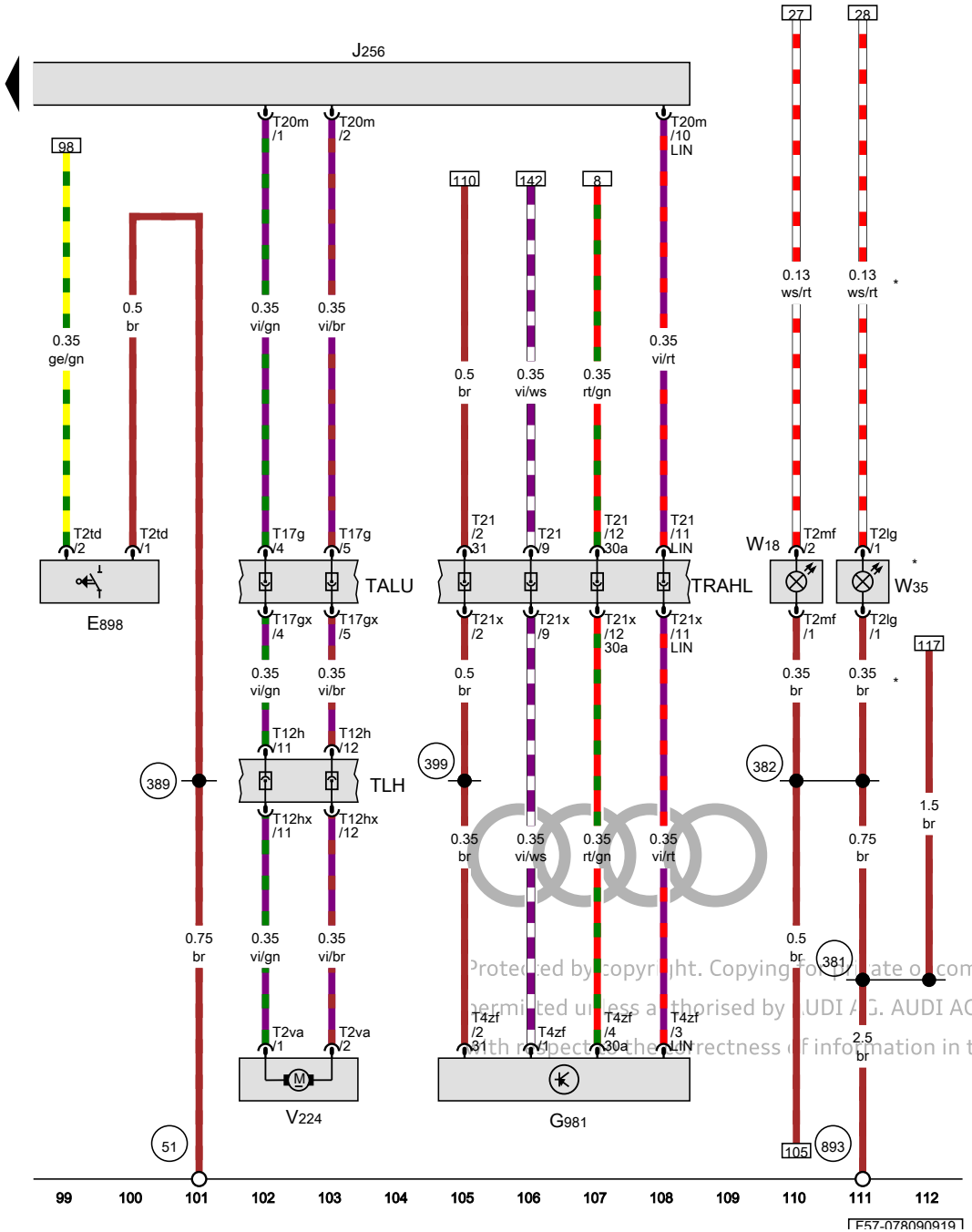

Switch on right for convertible roof box, bottom, Left ultrasonic sensor for passenger compartment monitoring system, rear, Convertible roof actuation control unit, Glove compartment locking motor, Left luggage compartment light

E898	Switch on right for convertible roof box, bottom
G981	Left ultrasonic sensor for passenger compartment monitoring system, rear
J256	Convertible roof actuation control unit
T2lg	2-pin connector, black
T2mf	2-pin connector, brown
T2td	2-pin connector
T2va	2-pin connector, black
T4zf	4-pin connector
T12h	12-pin connector, black
T12hx	12-pin connector, black
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20m	20-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TLH	Coupling point for glove compartment wiring harness
TRAHL	Coupling point in rear left wheel housing wiring
V224	Glove compartment locking motor
W18	Left luggage compartment light
W35	Right luggage compartment light
51	Earth point, on right in luggage compartment
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
389	Earth connection 24, in main wiring harness
399	Earth connection 34, in main wiring harness, behind side panel on driver side
893	Earth point 2, on left B-pillar
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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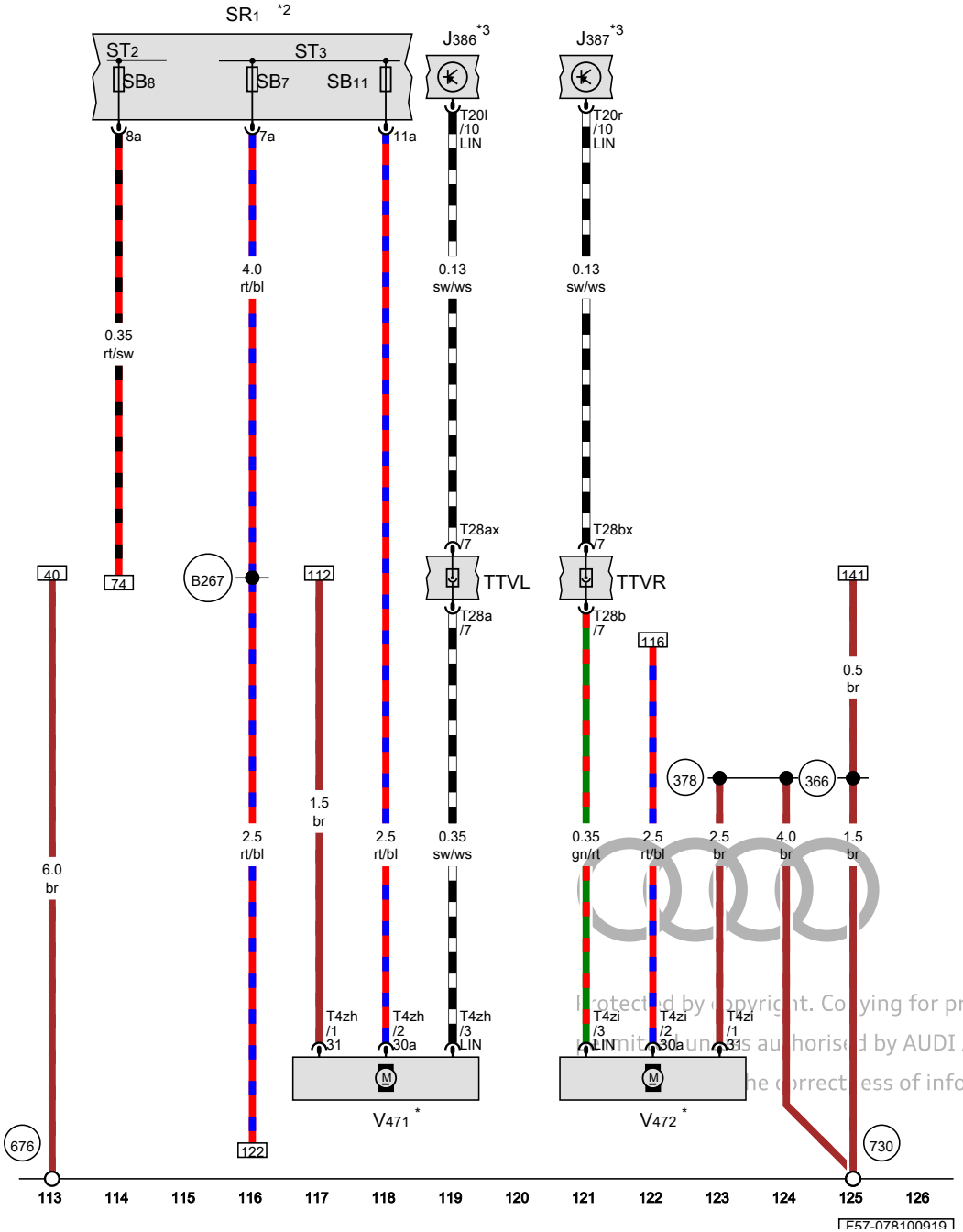

Relay and fuse carrier 1, Rear driver side window regulator motor, Rear passenger side window regulator motor

J386	Driver door control unit
J387	Front passenger door control unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
ST3	Fuse carrier 3, black
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB11	Fuse 11 on fuse holder B
T4zh	4-pin connector
T4zi	4-pin connector
T20l	20-pin connector, white
T20r	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVL	Coupling point for front left door
TTVR	Coupling point for front right door
V471	Rear driver side window regulator motor
V472	Rear passenger side window regulator motor
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
676	Earth point 2, on left in luggage compartment
730	Earth point 1, on right rear wheel housing
B267	Positive connection 2 (30a, door control unit), in interior wiring harness
*	Pre-wired component
*2	see applicable current flow diagram for fuse assignment
*3	see applicable current flow diagram for convenience system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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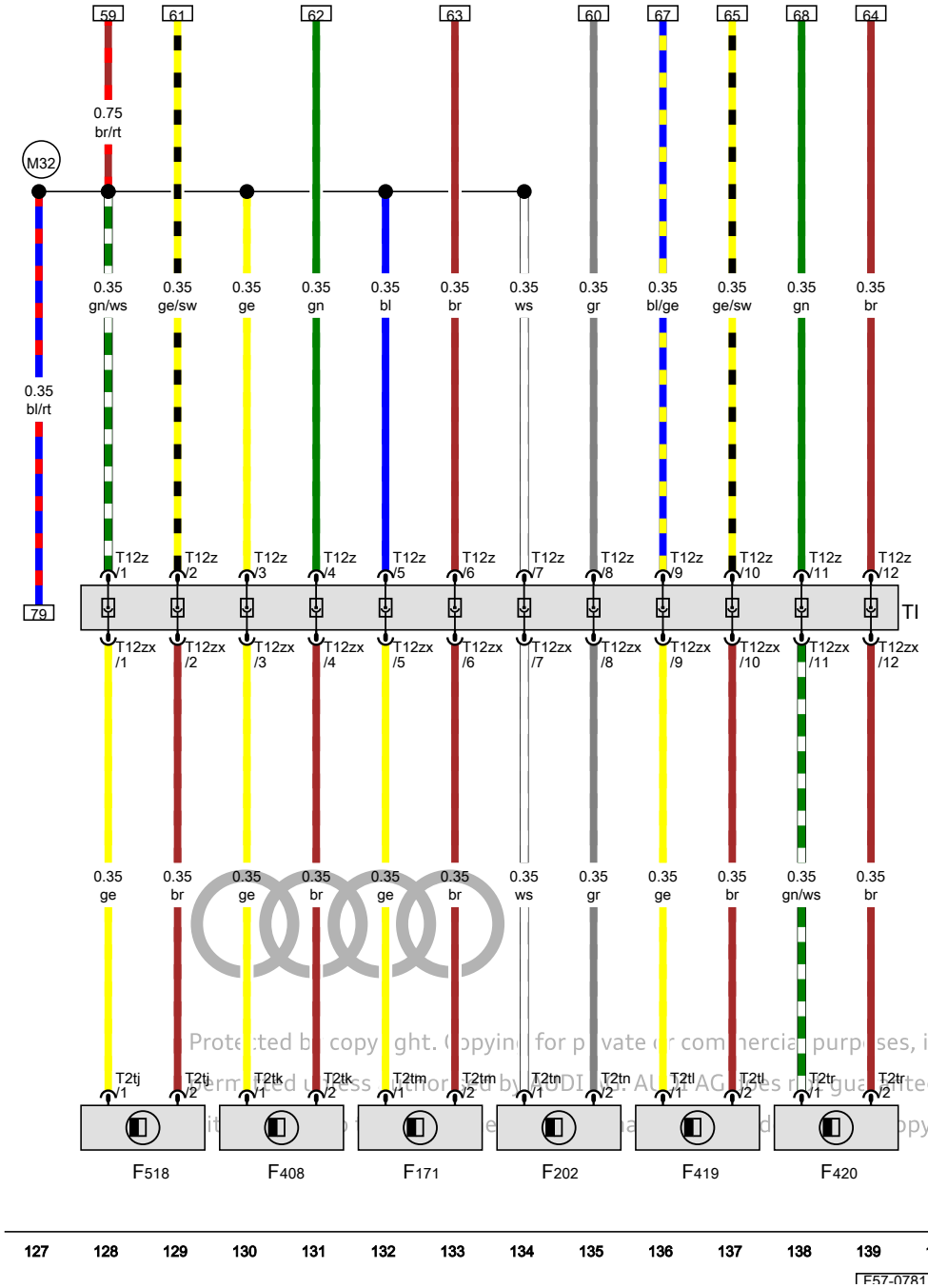

Convertible roof stowed switch, Convertible roof front switch, Tensioning strut top switch, Tensioning strut stowed switch, left, Tensioning strut stowed switch, right, Tensioning strut intermediate position switch

F171	Convertible roof stowed switch
F202	Convertible roof front switch
F408	Tensioning strut top switch
F419	Tensioning strut stowed switch, left
F420	Tensioning strut stowed switch, right
F518	Tensioning strut intermediate position switch
T2tj	2-pin connector, black
T2tk	2-pin connector, black
T2tl	2-pin connector, black
T2tm	2-pin connector, black
T2tn	2-pin connector, black
T2tr	2-pin connector, black
T12z	12-pin connector, black
T12zx	12-pin connector, black
TI	Coupling point in interior, in convertible roof
M32	Connection 1, in wiring harness for roof operation

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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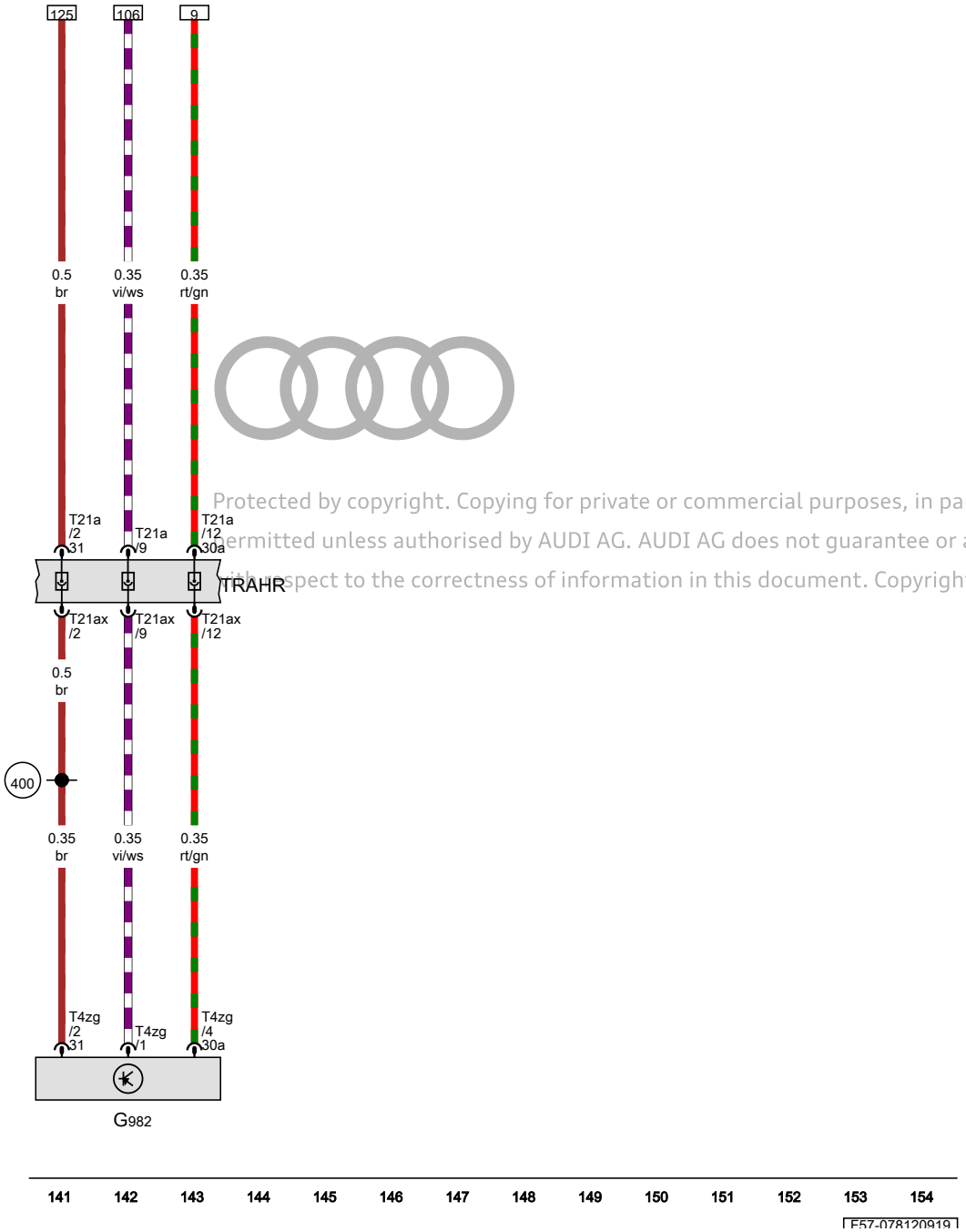

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Right ultrasonic sensor for passenger compartment monitoring system, rear

G982	Right ultrasonic sensor for passenger compartment monitoring system, rear
T4zg	4-pin connector
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
400	Earth connection 35, in main wiring harness, behind side panel on front passenger side

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Airbag systems , (L0L)

From July 2016

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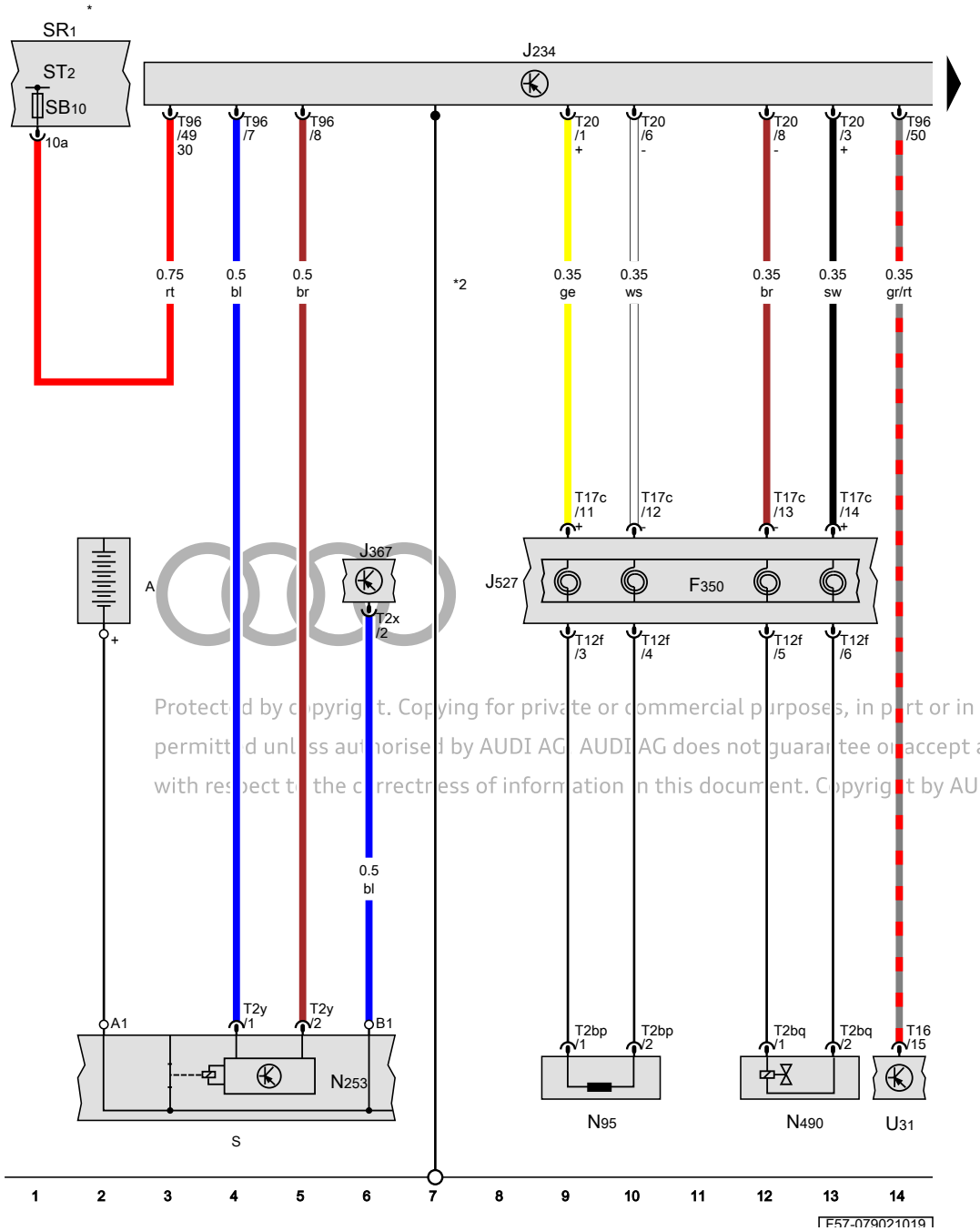

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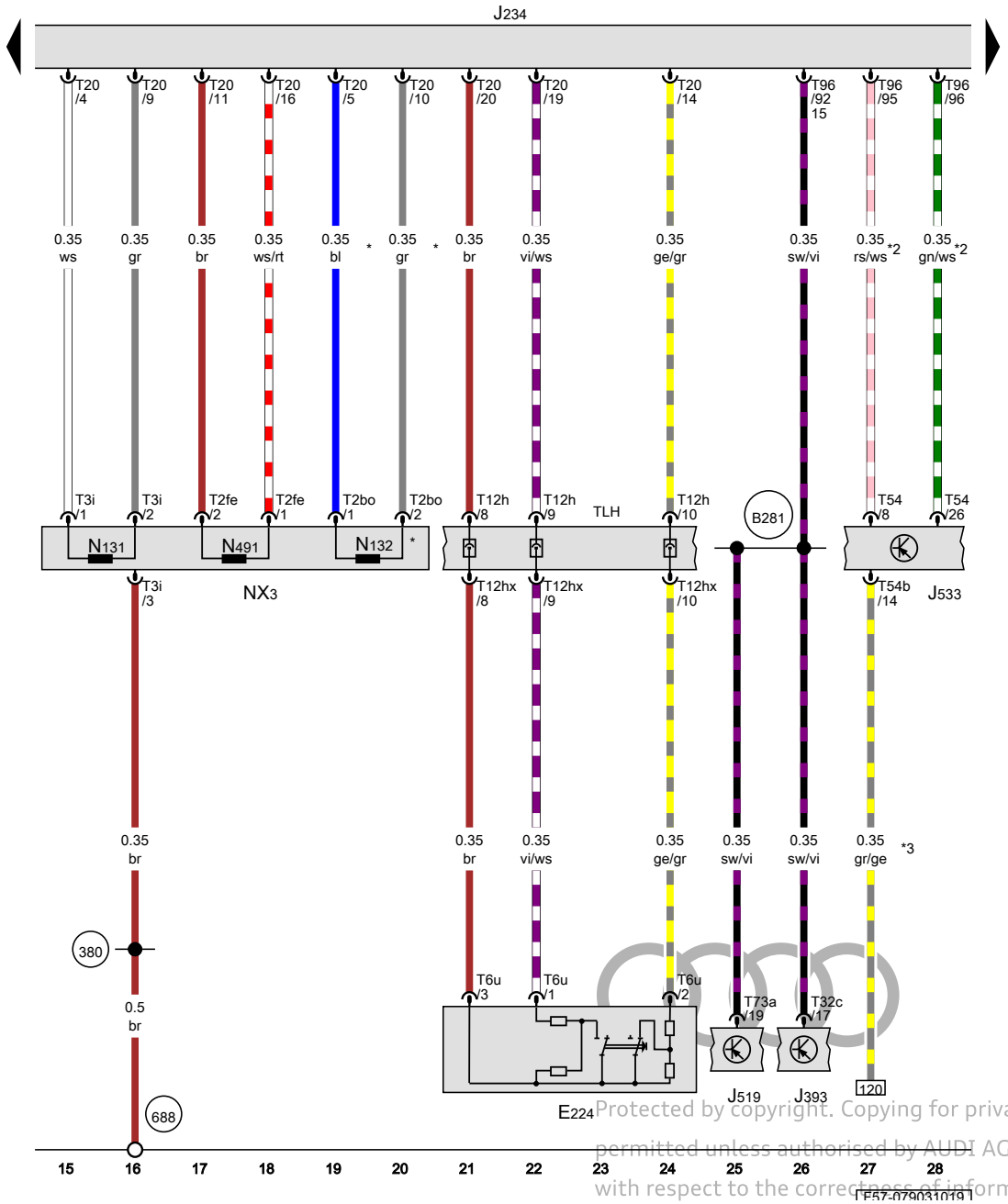
Coil connector, Airbag control unit, Airbag igniter on driver side, Igniter for exhaust valve for driver airbag, Fuses in fuse holder

A	Battery
F350	Coil connector
J234	Airbag control unit
J367	Battery monitor control unit
J527	Steering column electronics control unit
N95	Airbag igniter on driver side
N253	Battery isolation igniter
N490	Igniter for exhaust valve for driver airbag
S	Fuses in fuse holder, on fuse holder, battery
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB10	Fuse 10 on fuse holder B
T2bp	2-pin connector, yellow
T2bq	2-pin connector, yellow
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T12f	12-pin connector, black
T16	16-pin connector, black
T17c	17-pin connector, yellow
T20	20-pin connector, yellow
T96	96-pin connector, yellow
U31	Diagnostic connection
*	see applicable current flow diagram for fuse assignment
*2	Earth supply via housing



Key operated switch to deactivate airbag on front passenger side, Airbag control unit, Data bus diagnostic interface, Front passenger airbag unit

E224	Key operated switch to deactivate airbag on front passenger side
J234	Airbag control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
NX3	Front passenger airbag unit
N131	Airbag igniter 1 on front passenger side
N132	Airbag igniter 2 on front passenger side
N491	Igniter for exhaust valve for front passenger airbag
T2bo	2-pin connector, yellow
T2fe	2-pin connector, yellow
T3i	3-pin connector, yellow
T6u	6-pin connector, yellow
T12h	12-pin connector, black
T12hx	12-pin connector, black
T20	20-pin connector, yellow
T32c	32-pin connector, black
T54	54-pin connector, black
T54b	54-pin connector, blue
T73a	73-pin connector, black
T96	96-pin connector, yellow
TLH	Coupling point for glove compartment wiring harness
380	Earth connection 15, in main wiring harness
688	Earth point 2, on centre tunnel
B281	Positive connection 5 (15a) in main wiring harness
*	For models with equipment for Korea
*2	Data bus wire (FlexRay bus)
*3	For models with no electrically adjustable seat on driver side

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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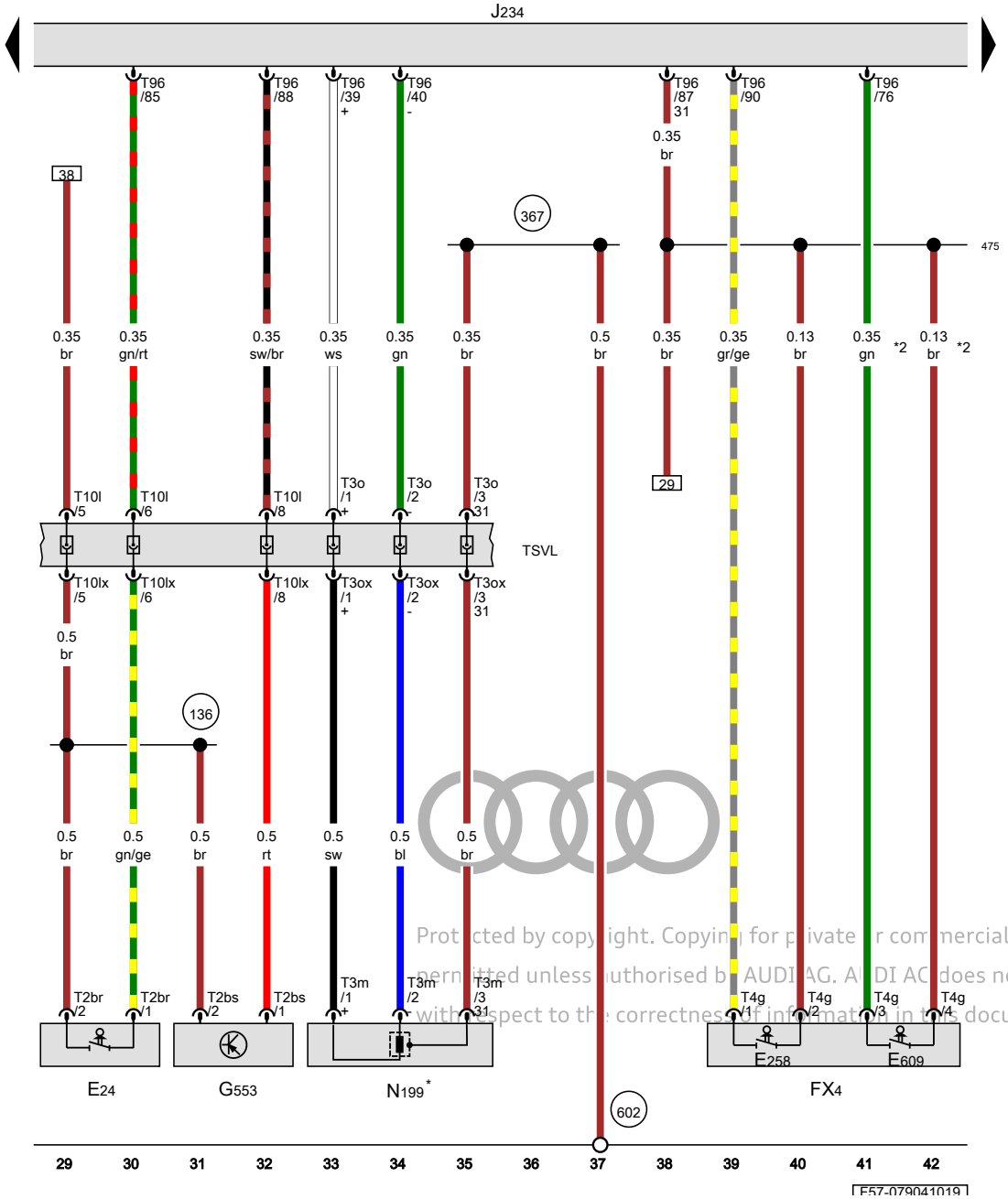
Driver side belt switch, Twin belt buckle, Driver side seat position sensor, Airbag control unit, Side airbag igniter on driver side



E24	Driver side belt switch
E258	Rear belt switch, driver side
E609	Rear centre belt switch
FX4	Twin belt buckle
G553	Driver side seat position sensor
J234	Airbag control unit
N199	Side airbag igniter on driver side
T2br	2-pin connector, black
T2bs	2-pin connector, black
T3m	3-pin connector, yellow
T3o	3-pin connector, yellow
T3ox	3-pin connector, yellow
T4g	4-pin connector, black
T10l	10-pin connector, black
T10lx	10-pin connector, black
T96	96-pin connector, yellow
TSVL	Coupling point for front left seat
136	Earth connection 2, in seat heating wiring harness
367	Earth connection 2, in main wiring harness
475	Earth connection (airbag), in main wiring harness
602	Earth point, in front left footwell
*	Pre-wired component
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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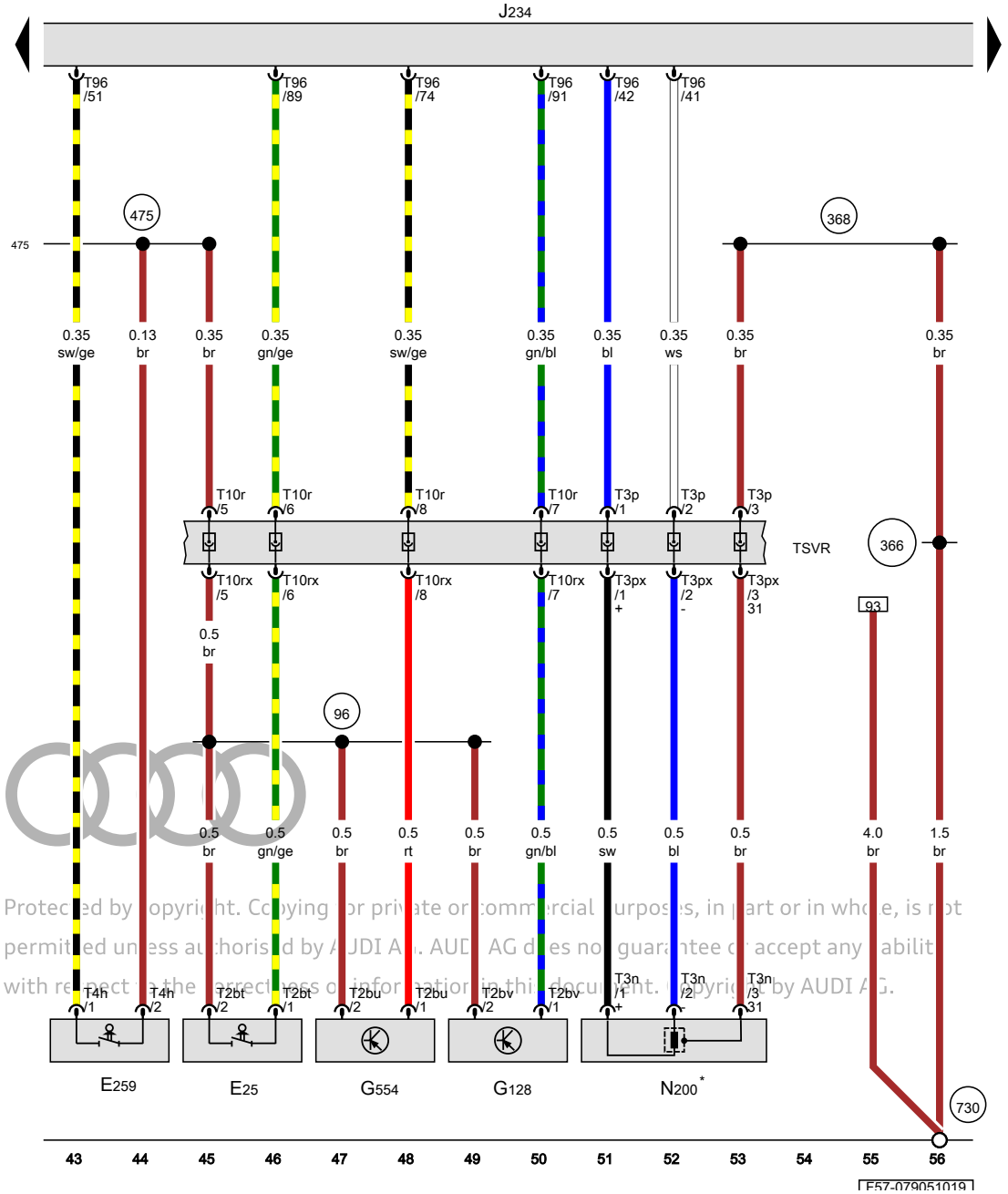

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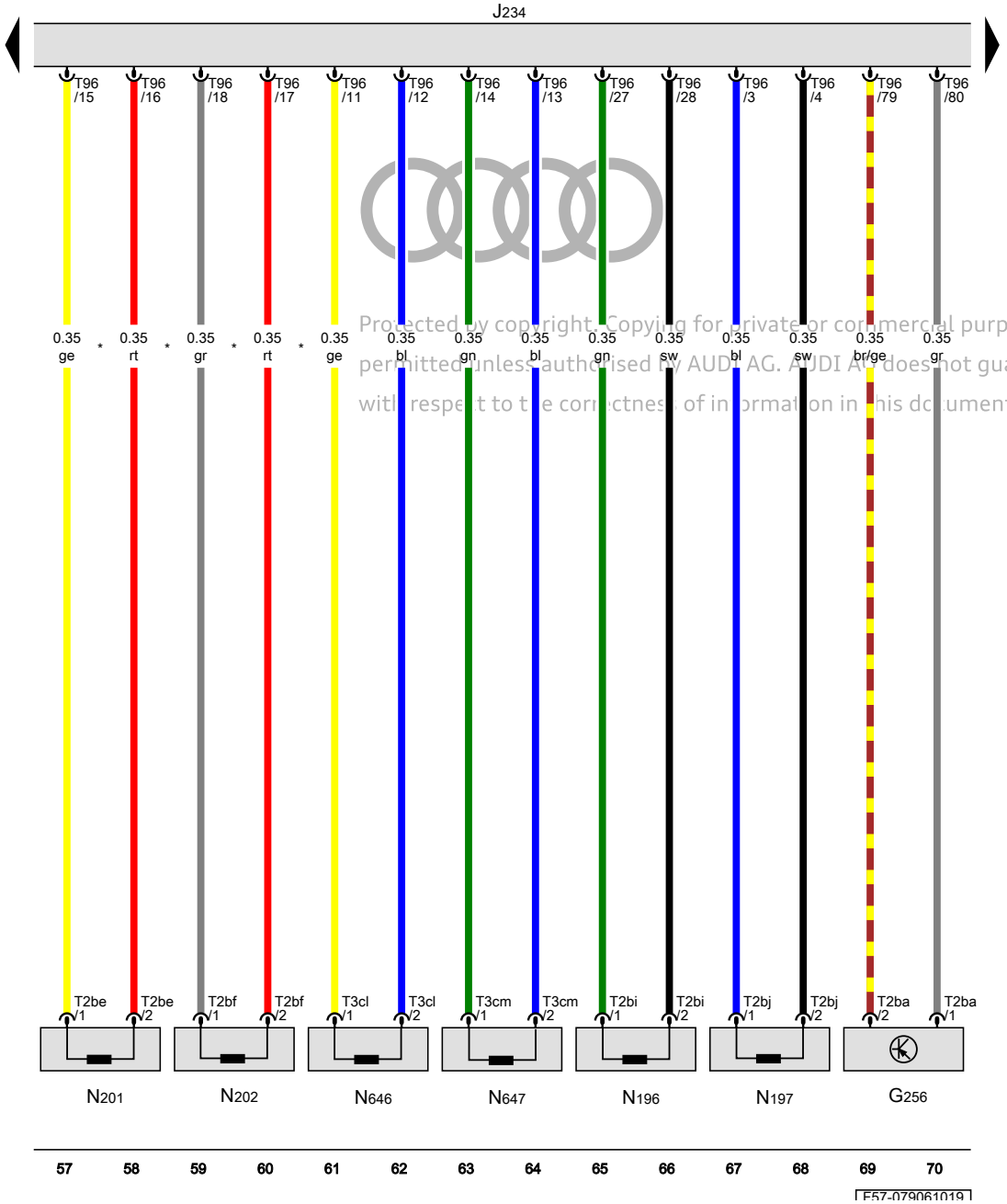
Front passenger side belt switch, Rear belt switch, passenger side, Seat occupied sensor on front passenger side, Front passenger side seat position sensor, Airbag control unit, Side airbag igniter on front passenger side

E25	Front passenger side belt switch
E259	Rear belt switch, passenger side
G128	Seat occupied sensor on front passenger side
G554	Front passenger side seat position sensor
J234	Airbag control unit
N200	Side airbag igniter on front passenger side
T2bt	2-pin connector, black
T2bu	2-pin connector, black
T2bv	2-pin connector, black
T3n	3-pin connector, yellow
T3p	3-pin connector, yellow
T3px	3-pin connector, yellow
T4h	4-pin connector, black
T10r	10-pin connector, black
T10rx	10-pin connector, black
T96	96-pin connector, yellow
TSVR	Coupling point for front right seat
96	Earth connection 1, in seat heating wiring harness
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
475	Earth connection (airbag), in main wiring harness
730	Earth point 1, on right rear wheel housing
*	Pre-wired component



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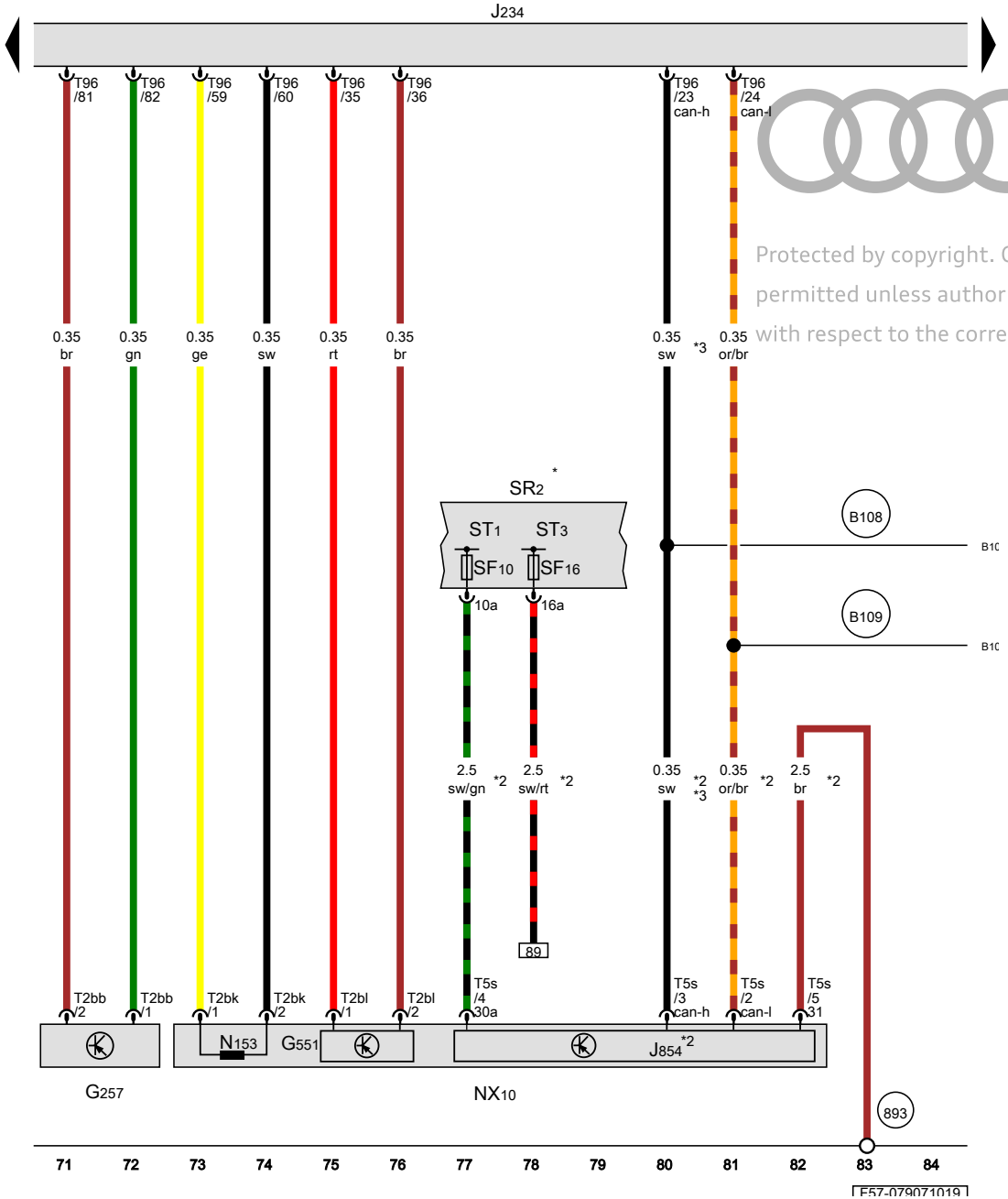
Rear side airbag crash sensor on driver side, Airbag control unit, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on passenger side, Rear side airbag igniter on driver side, Rear side airbag igniter on passenger side, Trigger for driver side roll-over bar, Trigger for passenger side roll-over bar

G256	Rear side airbag crash sensor on driver side
J234	Airbag control unit
N196	Rear belt tensioner igniter on driver side
N197	Rear belt tensioner igniter on passenger side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on passenger side
N646	Trigger for driver side roll-over bar
N647	Trigger for passenger side roll-over bar
T2ba	2-pin connector, black
T2be	2-pin connector, yellow
T2bf	2-pin connector, yellow
T2bi	2-pin connector, yellow
T2bj	2-pin connector, yellow
T3cl	3-pin connector, yellow
T3cm	3-pin connector, yellow
T96	96-pin connector, yellow
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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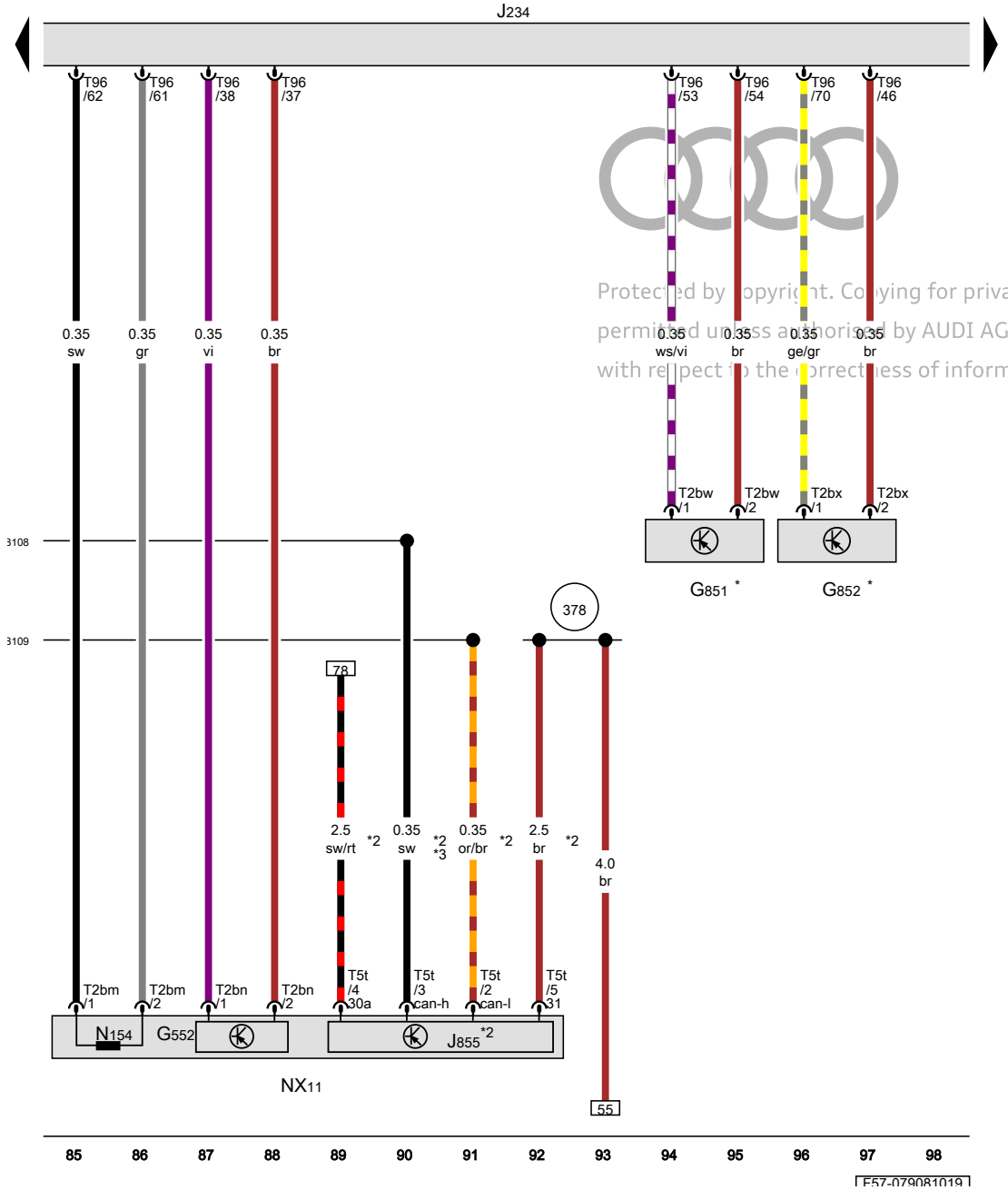
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Rear side airbag crash sensor on passenger side, Driver side belt force limiter, Airbag control unit, Front left seat belt, Driver seat belt tensioner igniter 1

G257	Rear side airbag crash sensor on passenger side
G551	Driver side belt force limiter
J234	Airbag control unit
J854	Control unit for front left belt tensioner
NX10	Front left seat belt
N153	Driver seat belt tensioner igniter 1
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF10	Fuse 10 in fuse holder F
SF16	Fuse 16 in fuse holder F
T2bb	2-pin connector, black
T2bk	2-pin connector, yellow, black
T2bl	2-pin connector, yellow
T5s	5-pin connector, colourless
T96	96-pin connector, yellow
893	Earth point 2, on left B-pillar
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	Different wire colour possible



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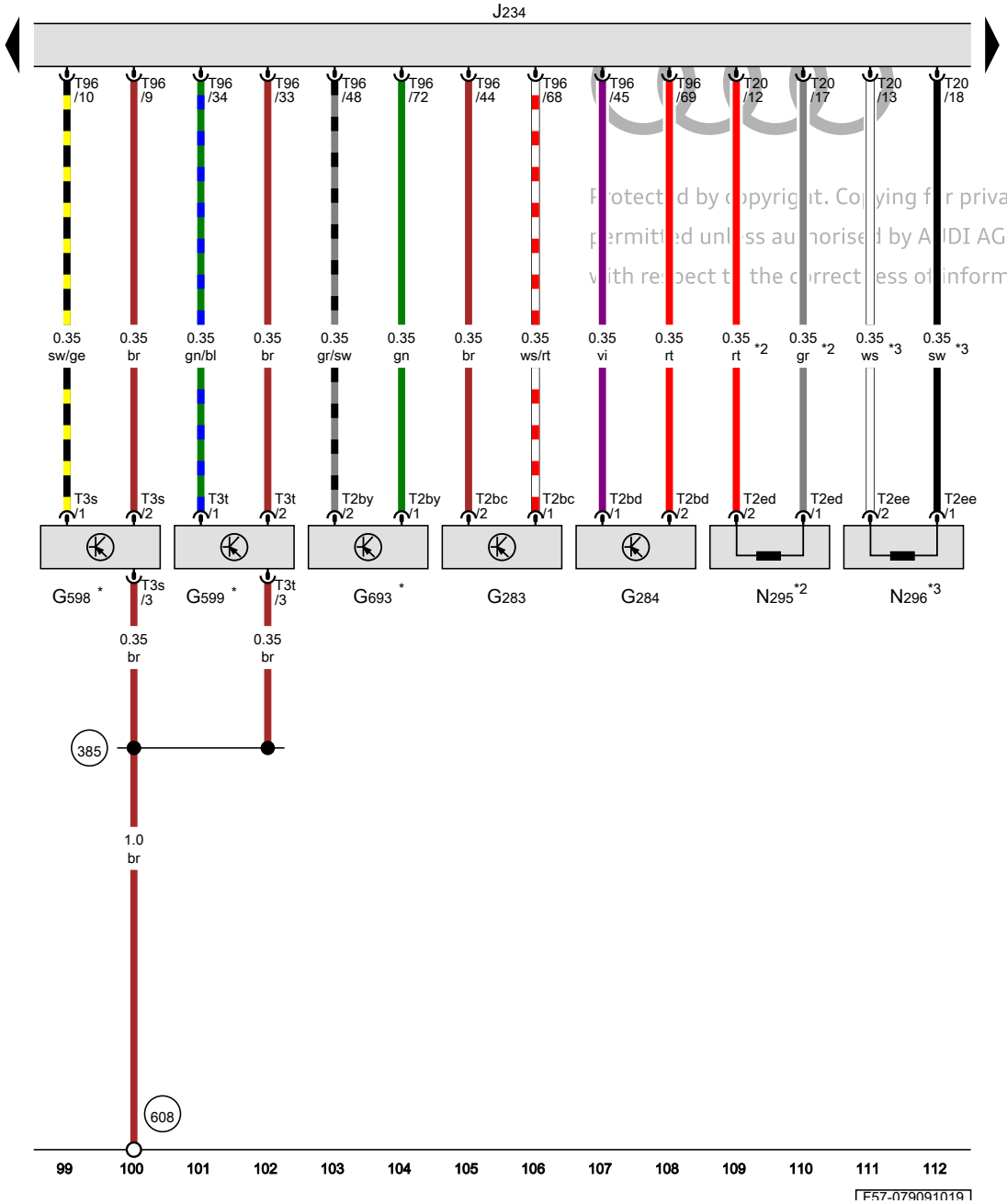
Front passenger side belt force limiter, Driver side crash sensor 2 for pedestrian protection, Front passenger side crash sensor 2 for pedestrian protection, Airbag control unit, Front right seat belt, Front passenger seat belt tensioner igniter 1

G552	Front passenger side belt force limiter
G851	Driver side crash sensor 2 for pedestrian protection
G852	Front passenger side crash sensor 2 for pedestrian protection
J234	Airbag control unit
J855	Control unit for front right belt tensioner
NX11	Front right seat belt
N154	Front passenger seat belt tensioner igniter 1
T2bm	2-pin connector, yellow, black
T2bn	2-pin connector, yellow
T2bw	2-pin connector, yellow
T2bx	2-pin connector, yellow
T5t	5-pin connector, colourless
T96	96-pin connector, yellow
378	Earth connection 13, in main wiring harness
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	For models with pedestrian protection system
*2	According to equipment
*3	Different wire colour possible



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Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Trigger 1 for pedestrian protection, Trigger 2 for pedestrian protection, Centre crash sensor for pedestrian protection, Airbag control unit, Driver side knee airbag igniter, Front passenger side knee airbag igniter

G283	Front airbag crash sensor for driver side
G284	Front airbag crash sensor for front passenger side
G598	Trigger 1 for pedestrian protection
G599	Trigger 2 for pedestrian protection
G693	Centre crash sensor for pedestrian protection
J234	Airbag control unit
N295	Driver side knee airbag igniter
N296	Front passenger side knee airbag igniter
T2bc	2-pin connector, yellow
T2bd	2-pin connector, yellow
T2by	2-pin connector, yellow
T2ed	2-pin connector, yellow
T2ee	2-pin connector, yellow
T3s	3-pin connector, yellow
T3t	3-pin connector, yellow
T20	20-pin connector, yellow
T96	96-pin connector, yellow
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
*	For models with pedestrian protection system
*2	For models with driver side knee airbag
*3	According to equipment

ws	=	white
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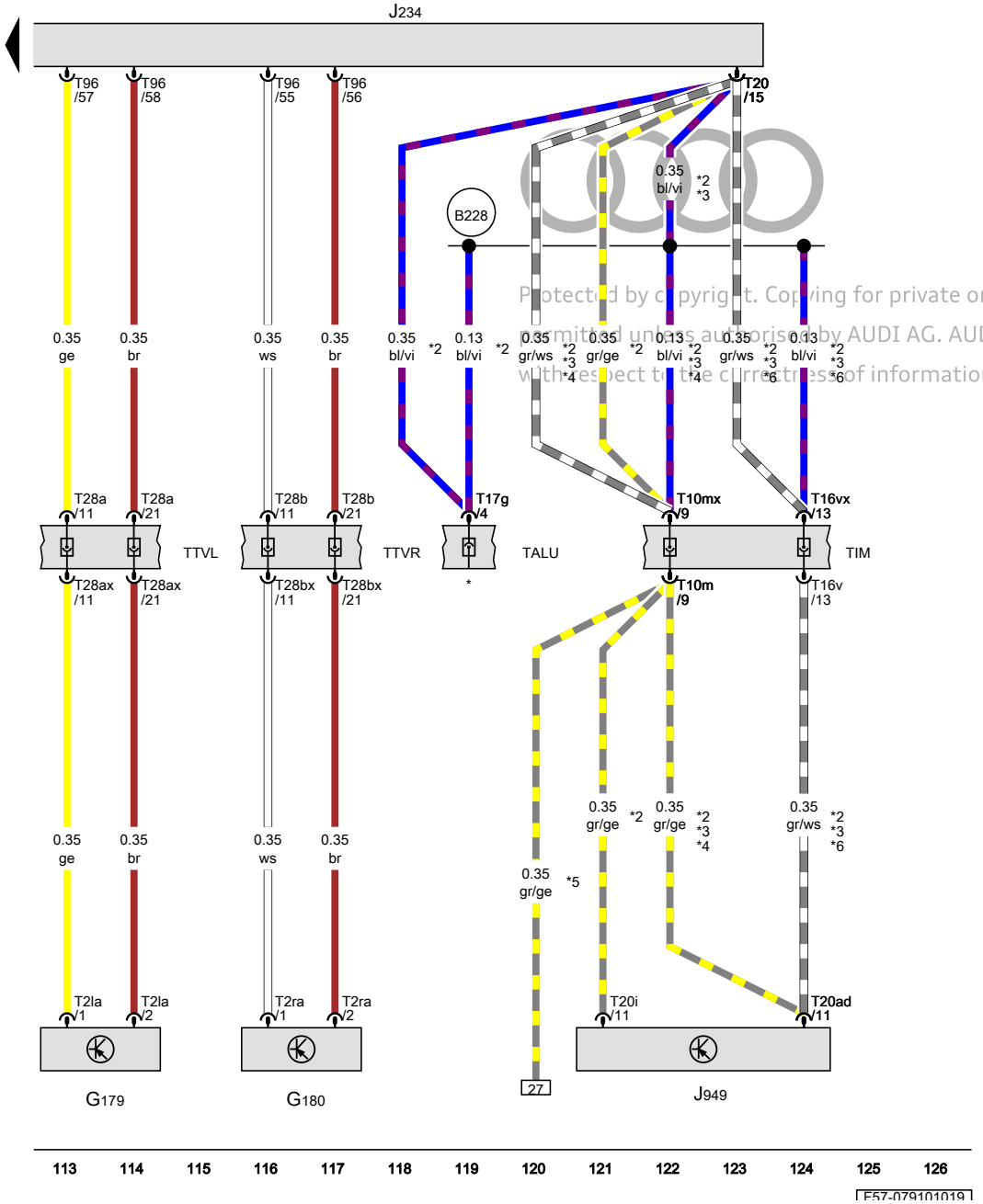

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Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Airbag control unit

G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
J234	Airbag control unit
J949	Emergency call module control unit and communication unit
T2la	2-pin connector, black
T2ra	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T17g	17-pin connector, blue
T20	20-pin connector, yellow
T20ad	20-pin connector, black
T20i	20-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
T96	96-pin connector, yellow
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
TTVL	Coupling point for front left door
TTVR	Coupling point for front right door
B228	Connection (crash signal), in interior wiring harness
*	see applicable current flow diagram for seat adjustment
*2	According to equipment
*3	see applicable current flow diagram for communication
*4	Up to November 2019
*5	For models with no electrically adjustable seat on driver side
*6	From December 2019

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Airbag systems for RHD vehicles , (L0R)

From July 2016

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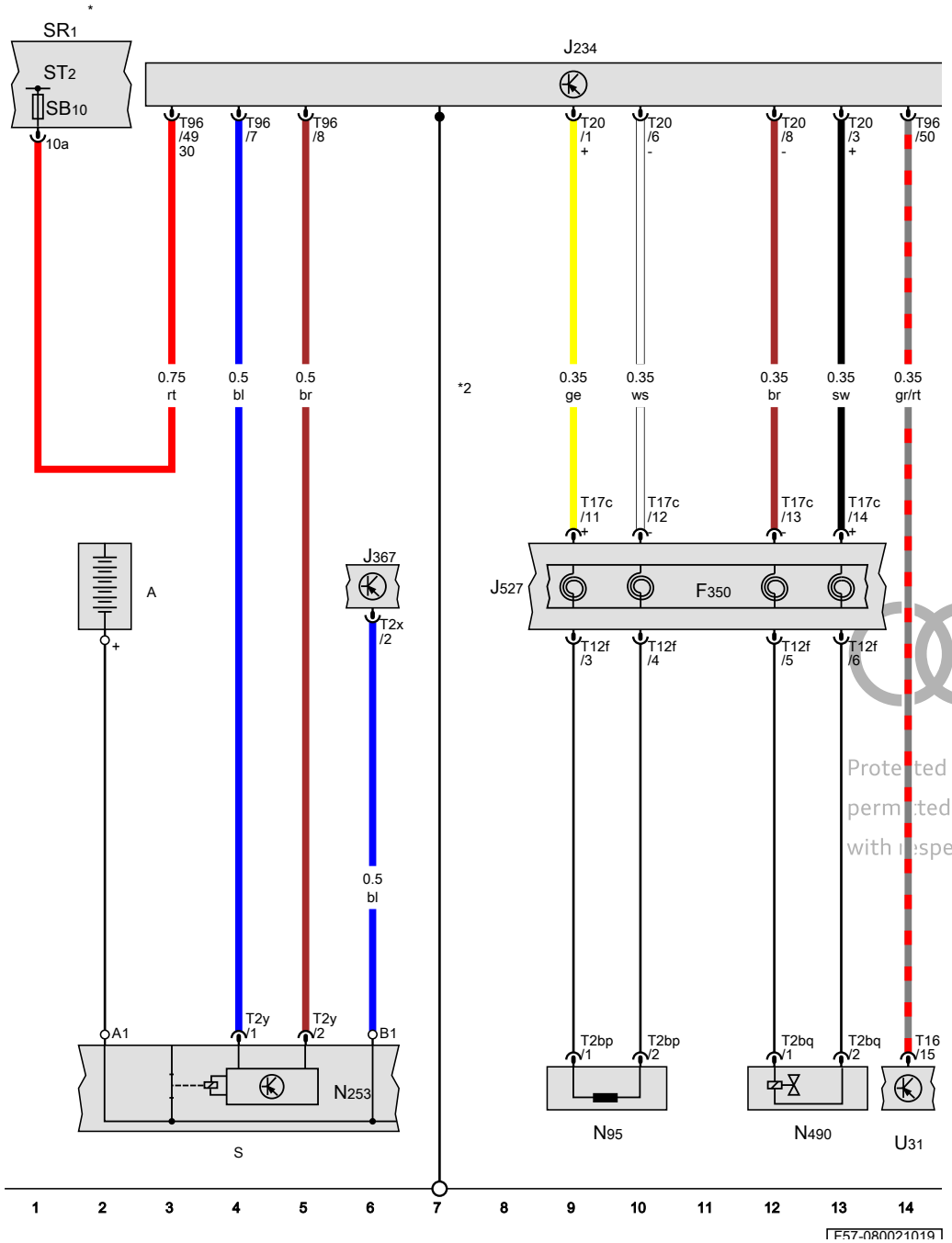

Coil connector, Airbag control unit, Airbag igniter on driver side, Igniter for exhaust valve for driver airbag, Fuses in fuse holder

A	Battery
F350	Coil connector
J234	Airbag control unit
J367	Battery monitor control unit
J527	Steering column electronics control unit
N95	Airbag igniter on driver side
N253	Battery isolation igniter
N490	Igniter for exhaust valve for driver airbag
S	Fuses in fuse holder, on fuse holder, battery
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB10	Fuse 10 on fuse holder B
T2bp	2-pin connector, yellow
T2bq	2-pin connector, yellow
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T12f	12-pin connector, black
T16	16-pin connector, black
T17c	17-pin connector, yellow
T20	20-pin connector, yellow
T96	96-pin connector, yellow
U31	Diagnostic connection
*	see applicable current flow diagram for fuse assignment
*2	Earth supply via housing

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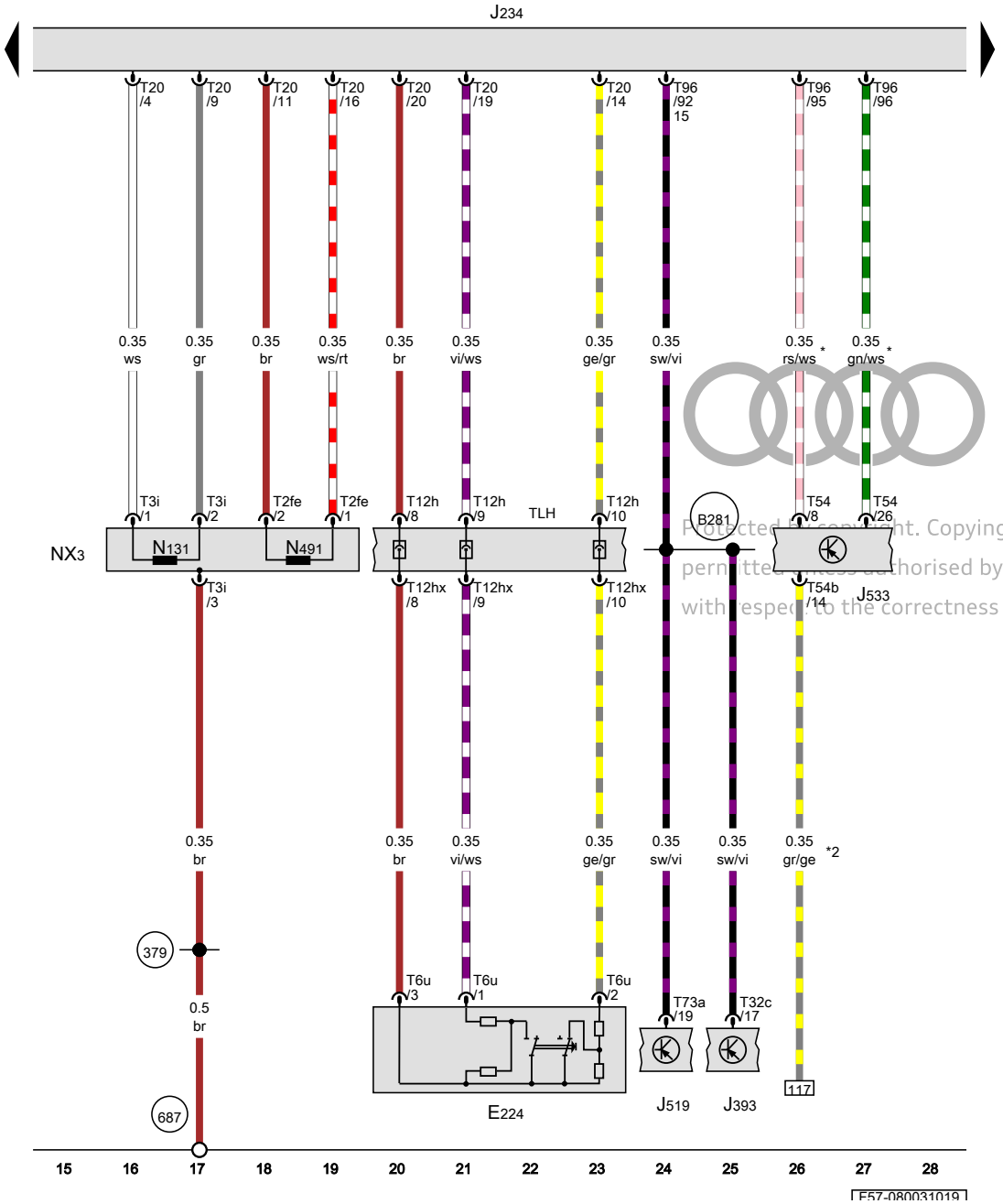

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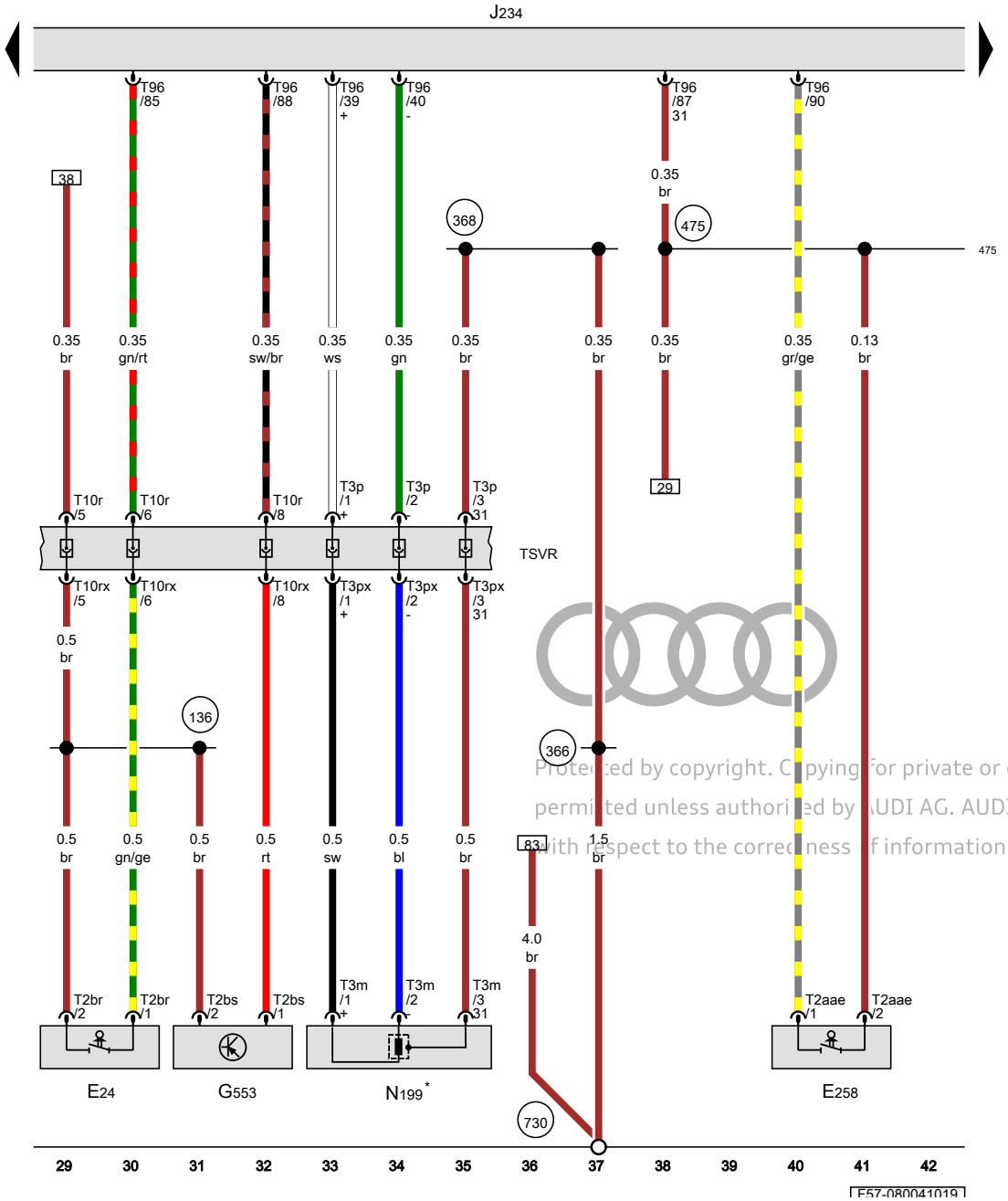
Key operated switch to deactivate airbag on front passenger side, Airbag control unit, Data bus diagnostic interface, Front passenger airbag unit

E224	Key operated switch to deactivate airbag on front passenger side
J234	Airbag control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
NX3	Front passenger airbag unit
N131	Airbag igniter 1 on front passenger side
N491	Igniter for exhaust valve for front passenger airbag
T2fe	2-pin connector, yellow
T3i	3-pin connector, yellow
T6u	6-pin connector, yellow
T12h	12-pin connector, black
T12hx	12-pin connector, black
T20	20-pin connector, yellow
T32c	32-pin connector, black
T54	54-pin connector, black
T54b	54-pin connector, blue
T73a	73-pin connector, black
T96	96-pin connector, yellow
TLH	Coupling point for glove compartment wiring harness
379	Earth connection 14, in main wiring harness
687	Earth point 1, on centre tunnel
B281	Positive connection 5 (15a) in main wiring harness
*	Data bus wire (FlexRay bus)
*2	For models with no electrically adjustable seat on driver side

Driver side belt switch, Rear belt switch, driver side, Driver side seat position sensor, Airbag control unit, Side airbag igniter on driver side



E24	Driver side belt switch
E258	Rear belt switch, driver side
G553	Driver side seat position sensor
J234	Airbag control unit
N199	Side airbag igniter on driver side
T2aae	2-pin connector, blue
T2br	2-pin connector, black
T2bs	2-pin connector, black
T3m	3-pin connector, yellow
T3p	3-pin connector, yellow
T3px	3-pin connector, yellow
T10r	10-pin connector, black
T10rx	10-pin connector, black
T96	96-pin connector, yellow
TSVR	Coupling point for front right seat
136	Earth connection 2, in seat heating wiring harness
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
475	Earth connection (airbag), in main wiring harness
730	Earth point 1, on right rear wheel housing
*	Pre-wired component

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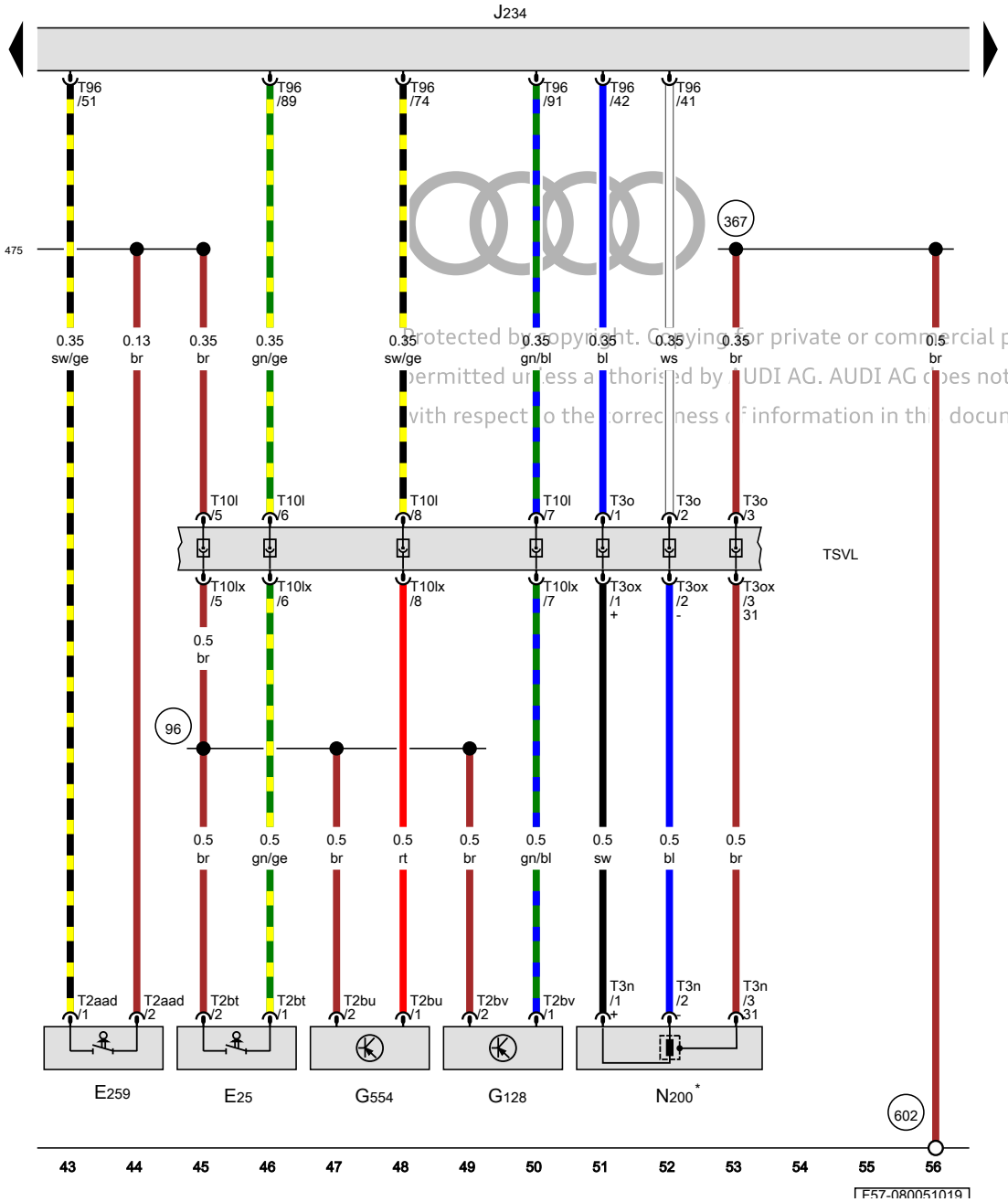

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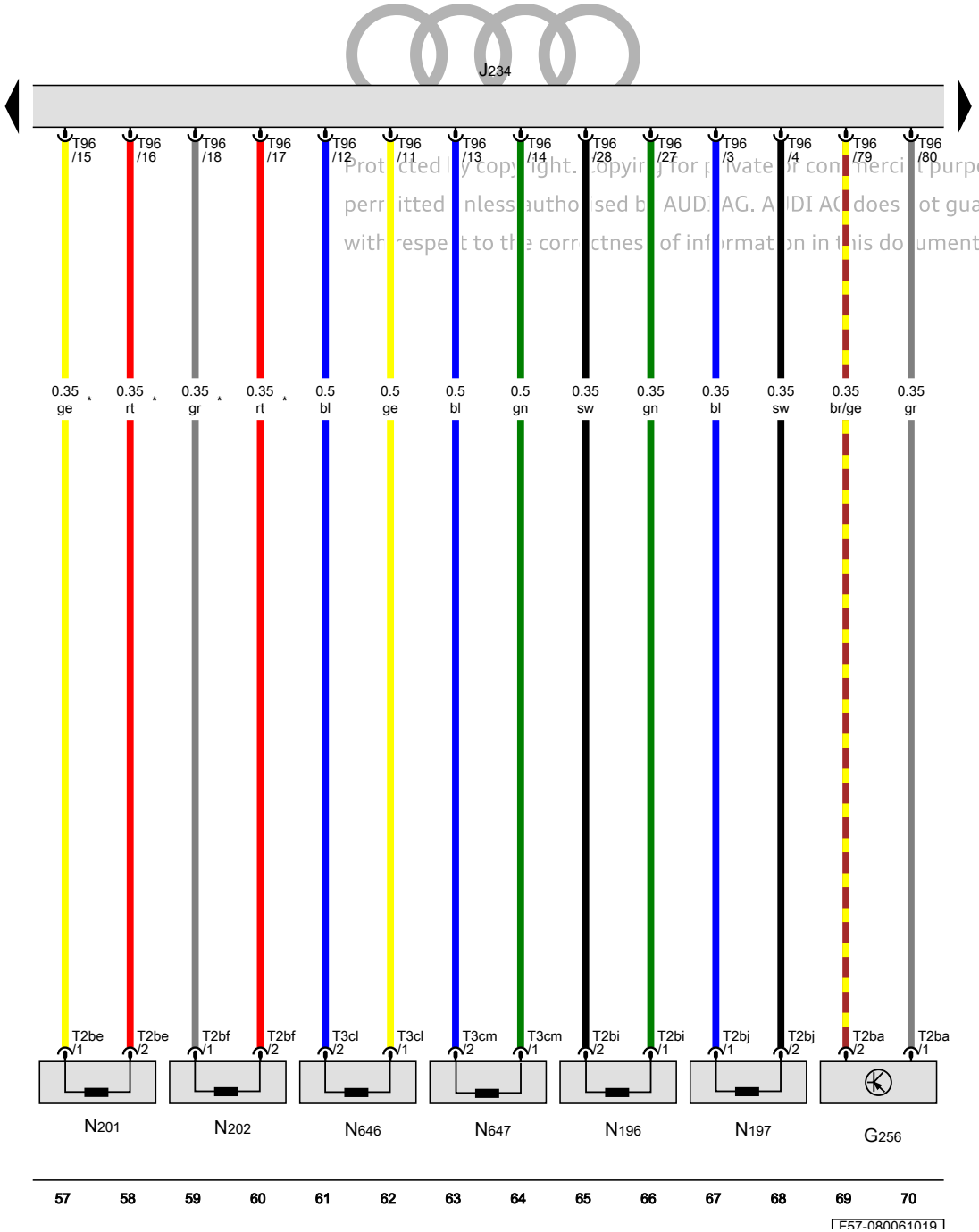
Front passenger side belt switch, Rear belt switch, passenger side, Seat occupied sensor on front passenger side, Front passenger side seat position sensor, Airbag control unit, Side airbag igniter on front passenger side

E25	Front passenger side belt switch
E259	Rear belt switch, passenger side
G128	Seat occupied sensor on front passenger side
G554	Front passenger side seat position sensor
J234	Airbag control unit
N200	Side airbag igniter on front passenger side
T2aad	2-pin connector, black
T2bt	2-pin connector, black
T2bu	2-pin connector, black
T2bv	2-pin connector, black
T3n	3-pin connector, yellow
T3o	3-pin connector, yellow
T3ox	3-pin connector, yellow
T10l	10-pin connector, black
T10lx	10-pin connector, black
T96	96-pin connector, yellow
TSVL	Coupling point for front left seat
96	Earth connection 1, in seat heating wiring harness
367	Earth connection 2, in main wiring harness
475	Earth connection (airbag), in main wiring harness
602	Earth point, in front left footwell
*	Pre-wired component



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Rear side airbag crash sensor on driver side, Airbag control unit, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on passenger side, Rear side airbag igniter on driver side, Rear side airbag igniter on passenger side, Trigger for driver side roll-over bar, Trigger for passenger side roll-over bar

G256	Rear side airbag crash sensor on driver side
J234	Airbag control unit
N196	Rear belt tensioner igniter on driver side
N197	Rear belt tensioner igniter on passenger side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on passenger side
N646	Trigger for driver side roll-over bar
N647	Trigger for passenger side roll-over bar
T2ba	2-pin connector, black
T2be	2-pin connector, yellow
T2bf	2-pin connector, yellow
T2bi	2-pin connector, yellow
T2bj	2-pin connector, yellow
T3cl	3-pin connector, yellow
T3cm	3-pin connector, yellow
T96	96-pin connector, yellow
*	According to equipment

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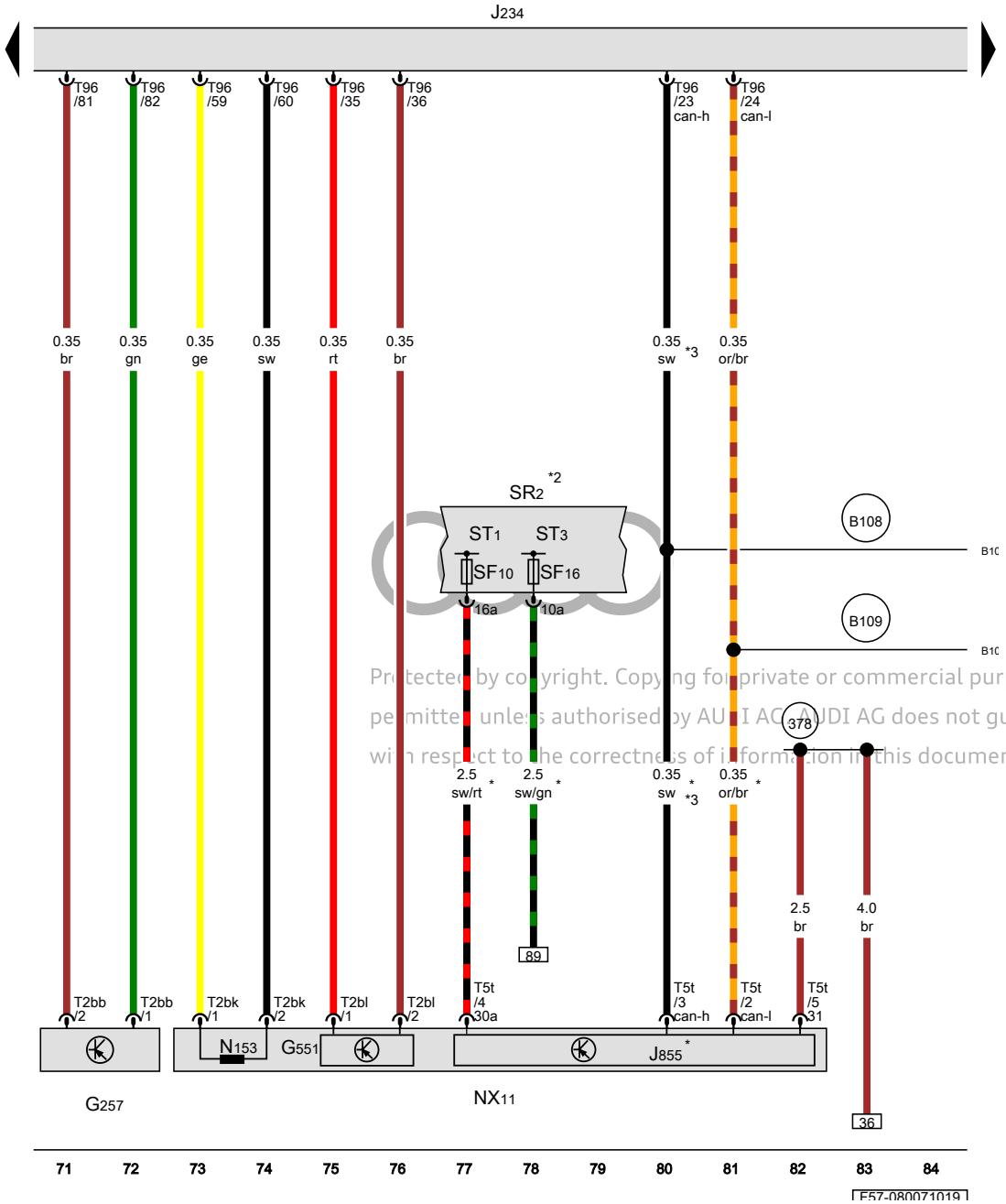

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Rear side airbag crash sensor on passenger side, Driver side belt force limiter, Airbag control unit, Front right seat belt, Driver seat belt tensioner igniter 1

G257	Rear side airbag crash sensor on passenger side
G551	Driver side belt force limiter
J234	Airbag control unit
J855	Control unit for front right belt tensioner
NX11	Front right seat belt
N153	Driver seat belt tensioner igniter 1
ST1	Fuse carrier 1, black
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF10	Fuse 10 in fuse holder F
SF16	Fuse 16 in fuse holder F
T2bb	2-pin connector, black
T2bk	2-pin connector, yellow, black
T2bl	2-pin connector, yellow
T5t	5-pin connector, colourless
T96	96-pin connector, yellow
378	Earth connection 13, in main wiring harness
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	According to equipment
*2	see applicable current flow diagram for fuse assignment
*3	Different wire colour possible

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rt	=	red
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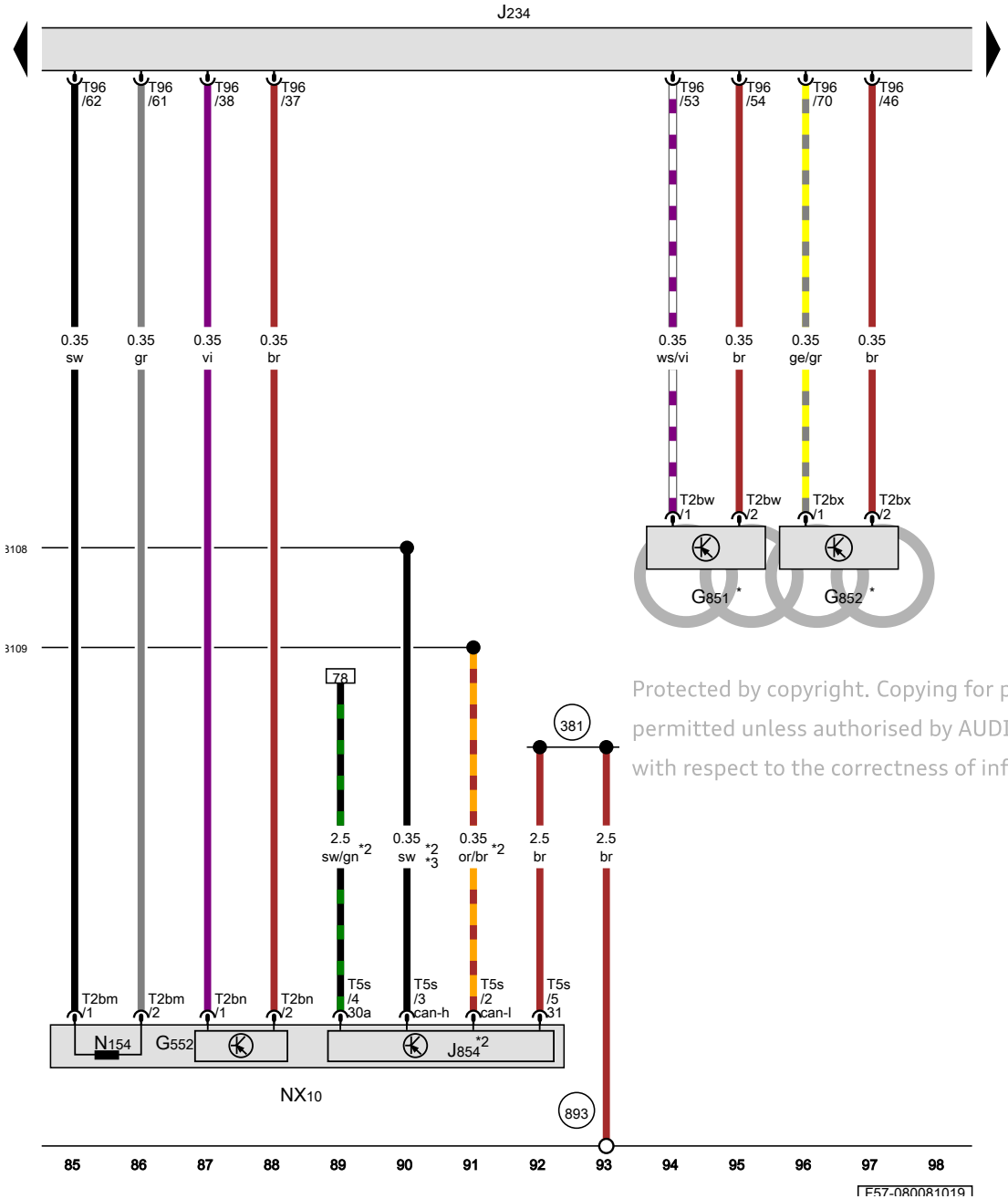

Front passenger side belt force limiter, Driver side crash sensor 2 for pedestrian protection, Front passenger side crash sensor 2 for pedestrian protection, Airbag control unit, Front left seat belt, Front passenger seat belt tensioner igniter 1

G552	Front passenger side belt force limiter
G851	Driver side crash sensor 2 for pedestrian protection
G852	Front passenger side crash sensor 2 for pedestrian protection
J234	Airbag control unit
J854	Control unit for front left belt tensioner
NX10	Front left seat belt
N154	Front passenger seat belt tensioner igniter 1
T2bm	2-pin connector, yellow, black
T2bn	2-pin connector, yellow
T2bw	2-pin connector, yellow
T2bx	2-pin connector, yellow
T5s	5-pin connector, colourless
T96	96-pin connector, yellow
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
*	For models with pedestrian protection system
*2	According to equipment
*3	Different wire colour possible

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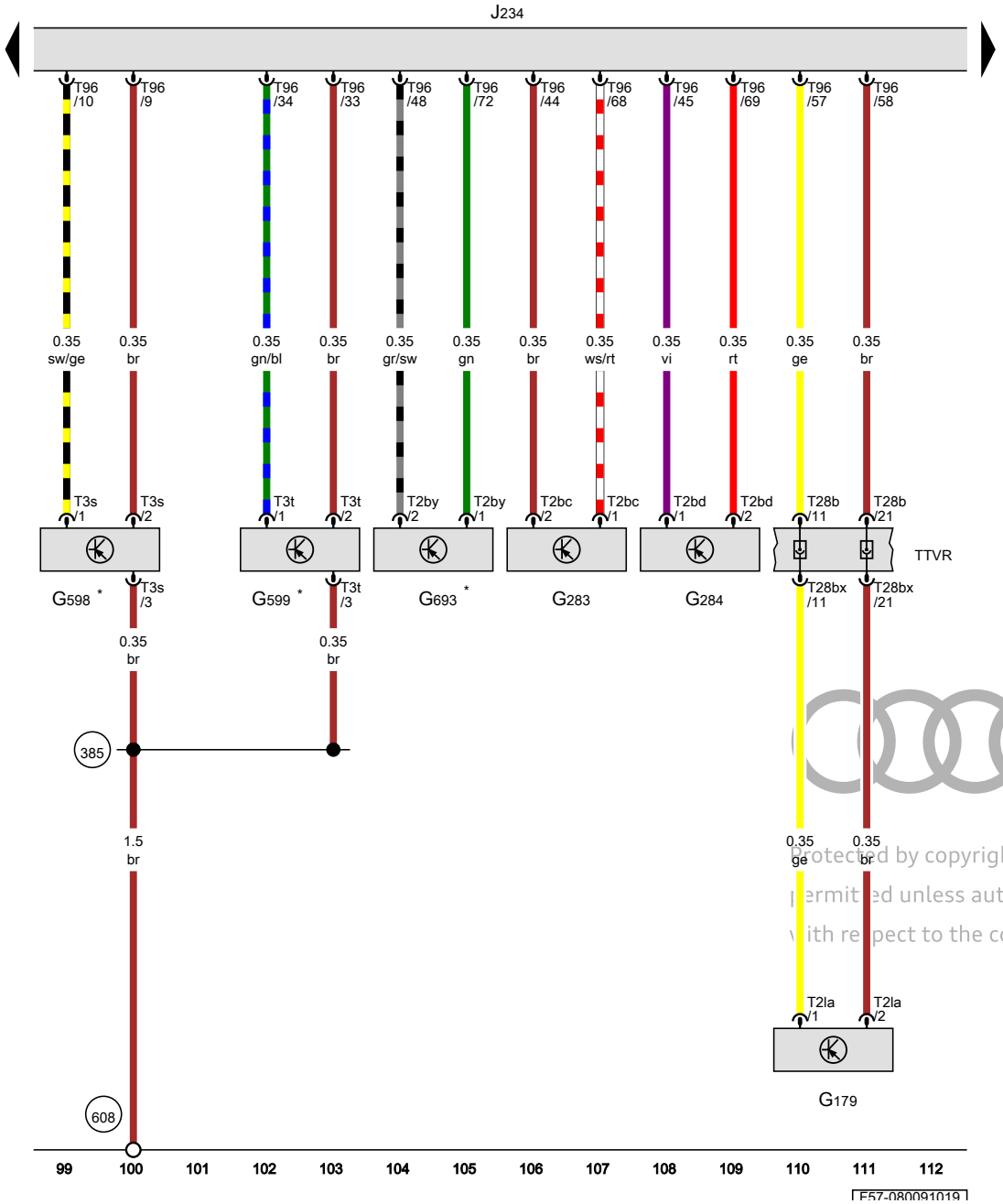

Side airbag crash sensor on driver side, Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Trigger 1 for pedestrian protection, Trigger 2 for pedestrian protection, Centre crash sensor for pedestrian protection, Airbag control unit

G179	Side airbag crash sensor on driver side
G283	Front airbag crash sensor for driver side
G284	Front airbag crash sensor for front passenger side
G598	Trigger 1 for pedestrian protection
G599	Trigger 2 for pedestrian protection
G693	Centre crash sensor for pedestrian protection
J234	Airbag control unit
T2bc	2-pin connector, yellow
T2bd	2-pin connector, yellow
T2by	2-pin connector, yellow
T2la	2-pin connector, black
T3s	3-pin connector, yellow
T3t	3-pin connector, yellow
T28b	28-pin connector, black
T28bx	28-pin connector, black
T96	96-pin connector, yellow
TTVR	Coupling point for front right door
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
*	For models with pedestrian protection system

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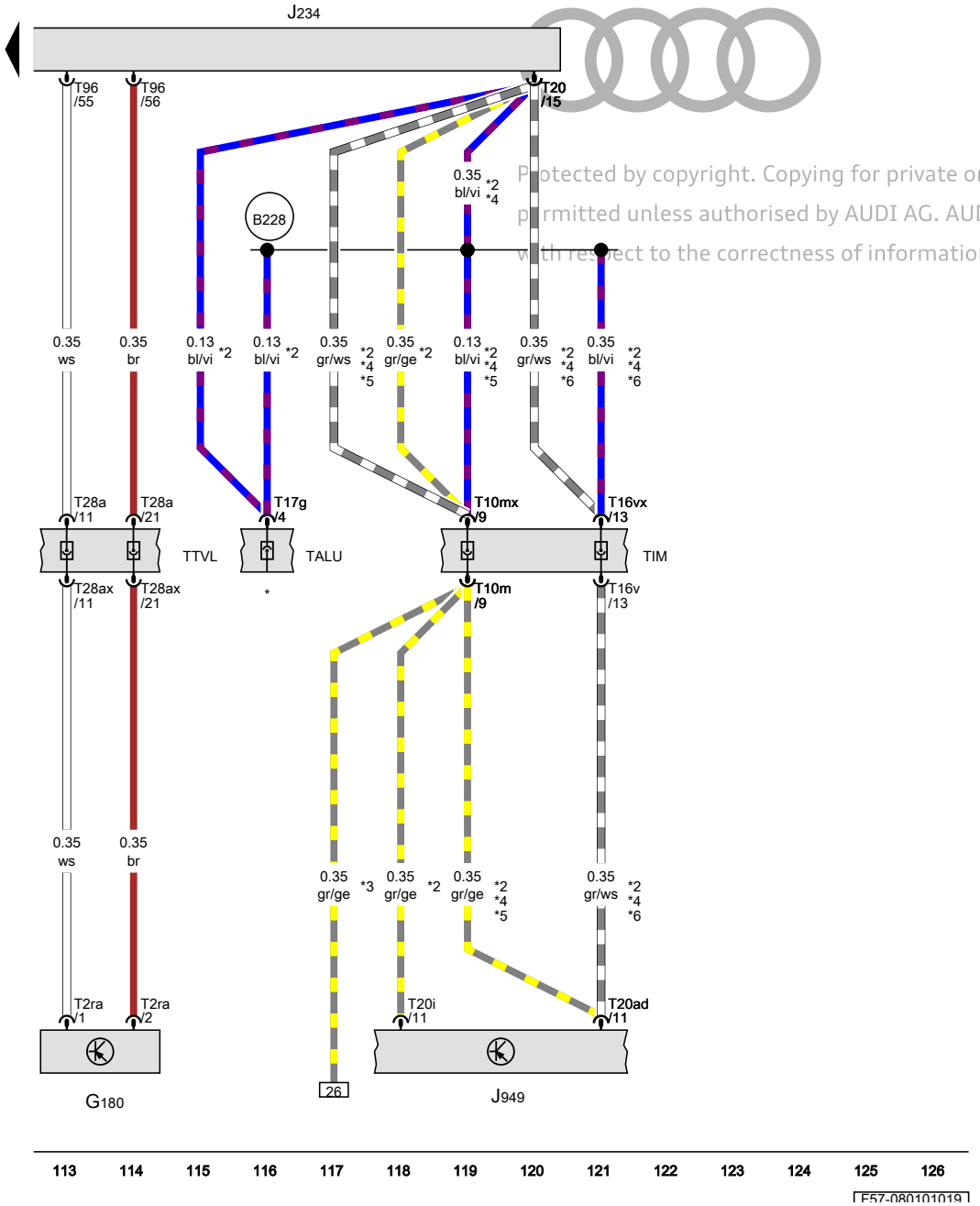

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Side airbag crash sensor on front passenger side, Airbag control unit, Emergency call module control unit and communication unit

G180	Side airbag crash sensor on front passenger side
J234	Airbag control unit
J949	Emergency call module control unit and communication unit
T2ra	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T17g	17-pin connector, blue
T20	20-pin connector, yellow
T20ad	20-pin connector, black
T20i	20-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
T96	96-pin connector, yellow
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
TTVL	Coupling point for front left door
B228	Connection (crash signal), in interior wiring harness
*	see applicable current flow diagram for seat adjustment
*2	According to equipment
*3	For models with no electrically adjustable seat on driver side
*4	see applicable current flow diagram for communication
*5	Up to November 2019
*6	From December 2019

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Neck heating

From July 2016

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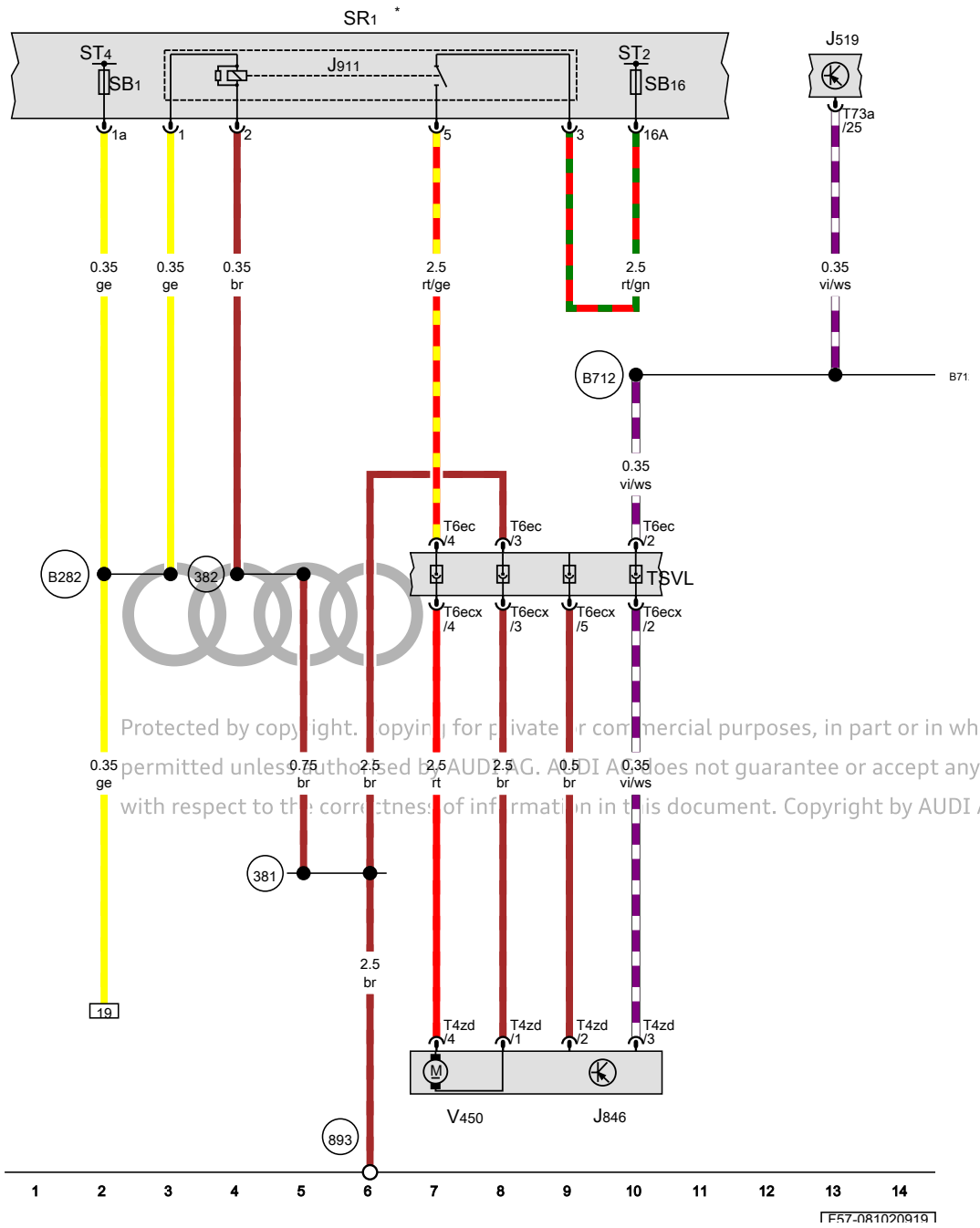

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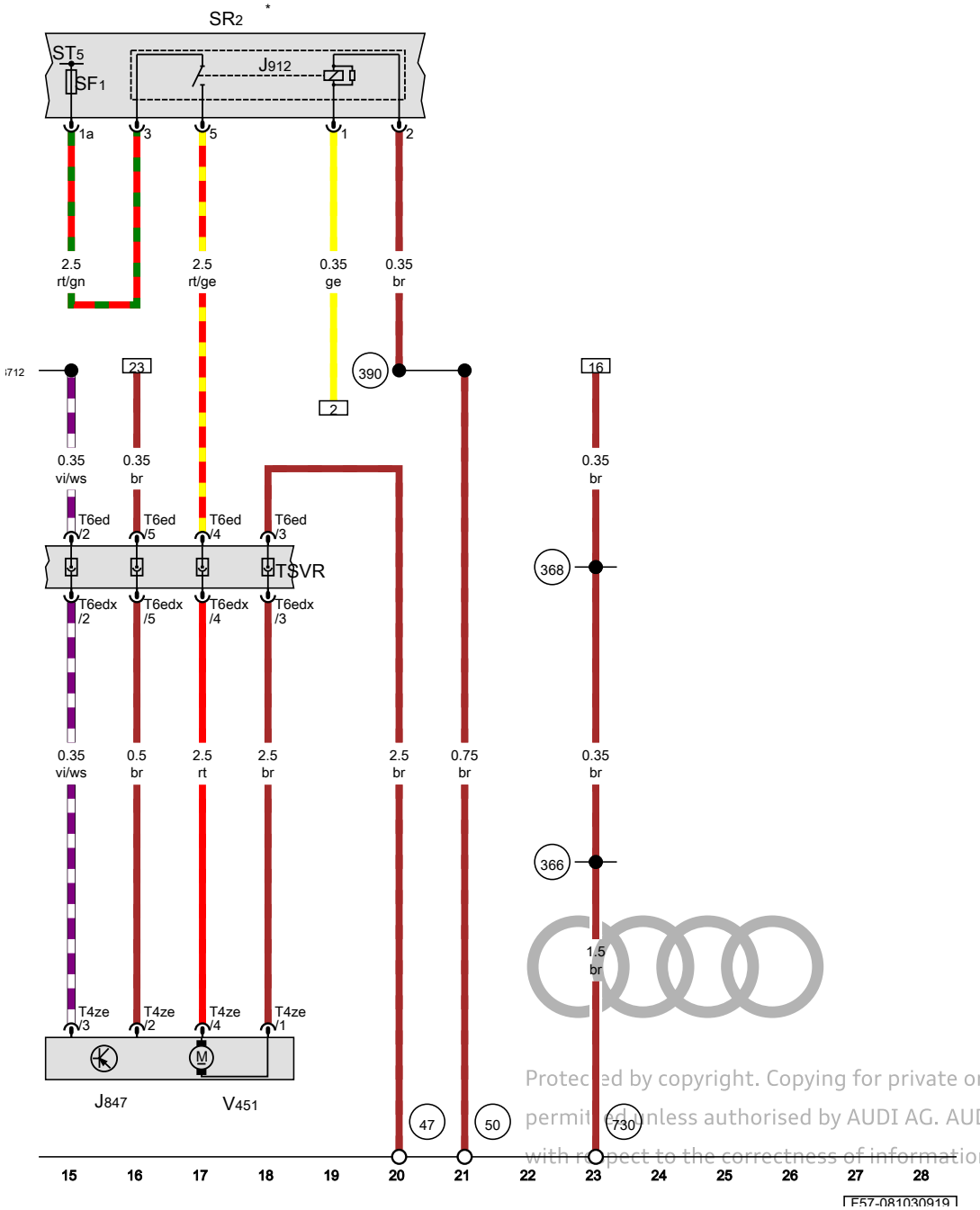
Control unit for left neck heating, Relay for left neck heating, Relay and fuse carrier 1, Blower for left neck heating

J519	Onboard supply control unit
J846	Control unit for left neck heating
J911	Relay for left neck heating
SR1	Relay and fuse carrier 1
SB1	Fuse 1 on fuse holder B
ST2	Fuse carrier 2, red
ST4	Fuse carrier 4, black
SB16	Fuse 16 on fuse holder B
T4zd	4-pin connector, black
T6ec	6-pin connector, grey
T6ecx	6-pin connector, grey
T73a	73-pin connector, black
TSVL	Coupling point for front left seat
V450	Blower for left neck heating
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
B282	Positive connection 6 (15a) in main wiring harness
B712	Connection 7 (LIN bus) in main wiring harness
*	see applicable current flow diagram for fuse assignment



Control unit for right neck heating, Relay for right neck heating, Relay and fuse carrier 2, Blower for right neck heating

J847	Control unit for right neck heating
J912	Relay for right neck heating
SF1	Fuse 1 in fuse holder F
SR2	Relay and fuse carrier 2
ST5	Fuse carrier 5, red
T4ze	4-pin connector, black
T6ed	6-pin connector, grey
T6edx	6-pin connector, grey
TSVR	Coupling point for front right seat
V451	Blower for right neck heating
47	Earth point, in front right footwell
50	Earth point, on left in luggage compartment
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
390	Earth connection 25, in main wiring harness
730	Earth point 1, on right rear wheel housing
B712	Connection 7 (LIN bus) in main wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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2.0l natural gas engine EcoFuel , CVLA,DRXA

From November 2016

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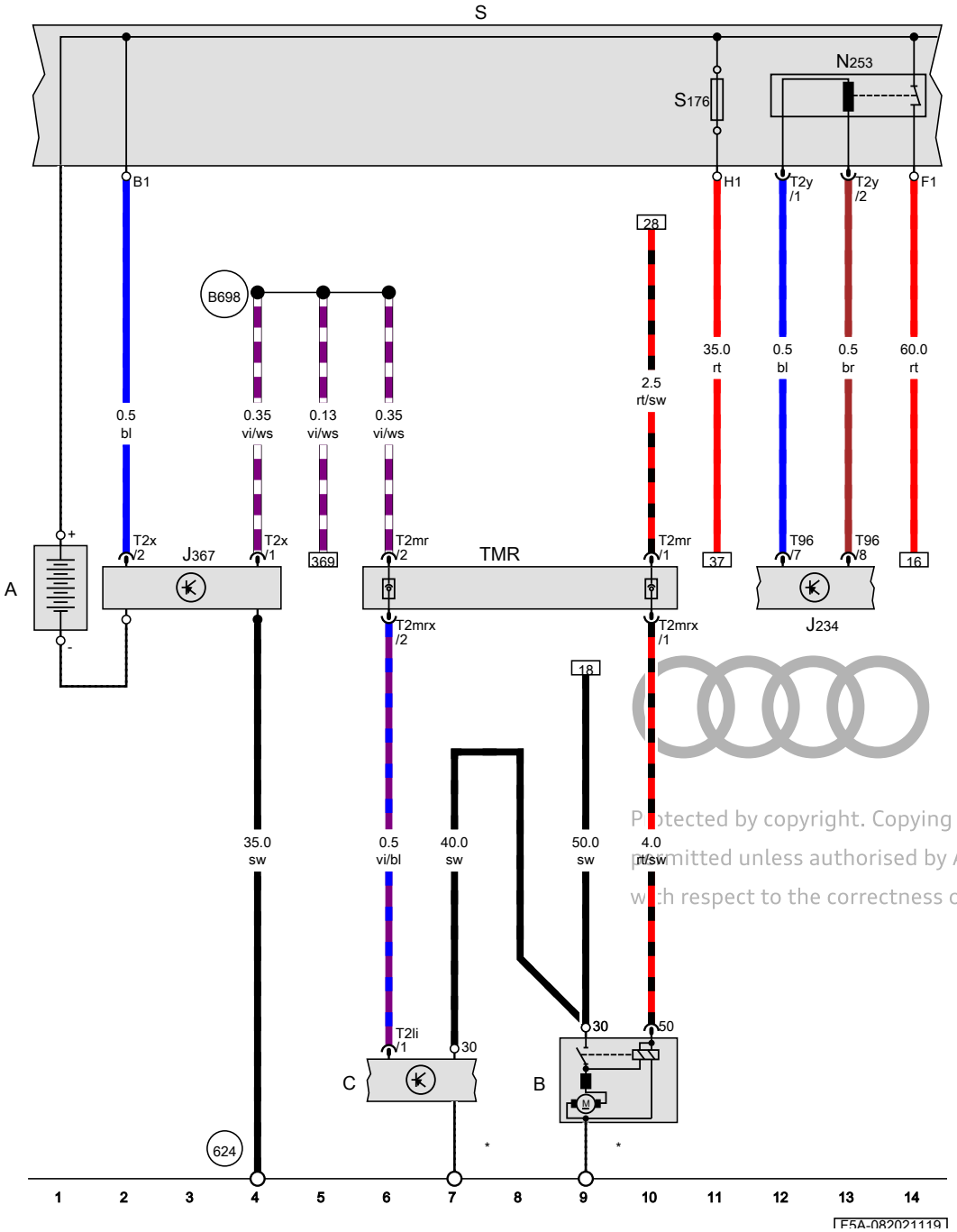

Battery, Starter, Alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, front in engine compartment
B	Starter
C	Alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S176	Fuse 4 (30), in battery fuse holder
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

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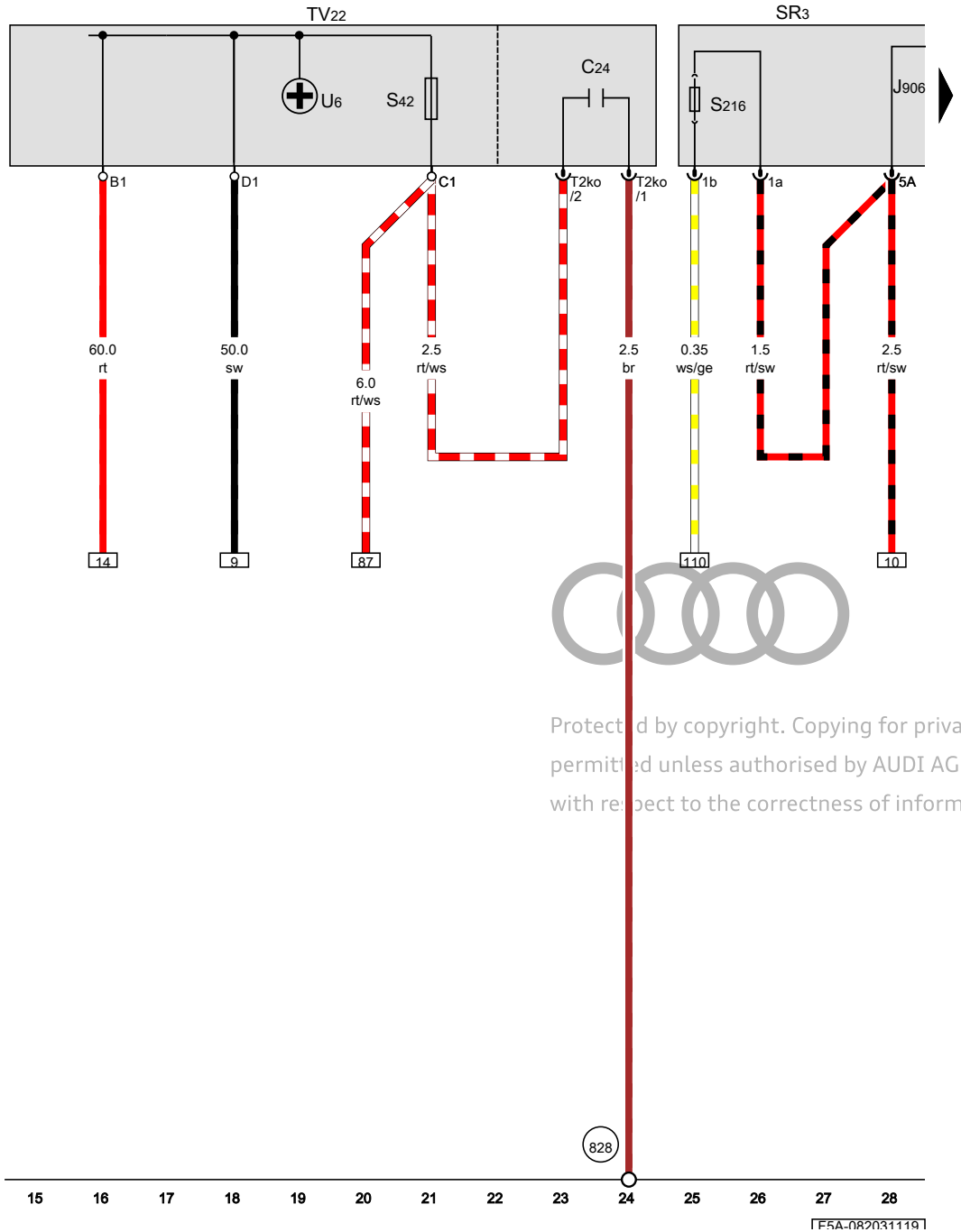

Starter relay 1, Relay and fuse carrier 3, Fuse (50), Terminal 30 wiring junction 2, Jump start socket

C24	Suppression filter
J906	Starter relay 1, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S42	Radiator fan single fuse
S216	Fuse (50), central in plenum chamber
T2ko	2-pin connector, black
TV22	Terminal 30 wiring junction 2, front right in engine compartment
U6	Jump start socket
828	Earth point on right suspension turret

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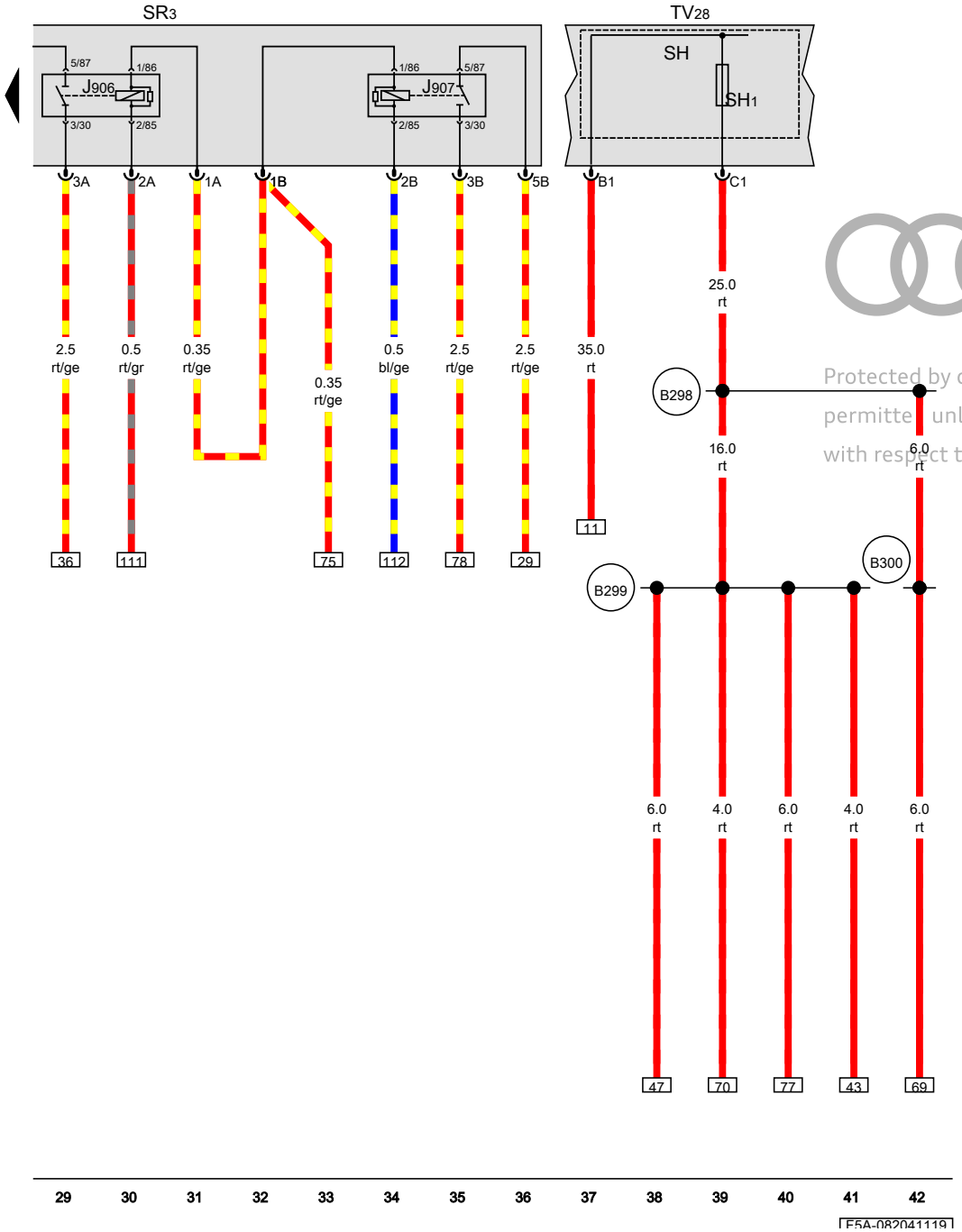

Starter relay 1, Starter relay 2, Fuse 1 in fuse holder H, Relay and fuse carrier 3, Terminal 30 wiring junction 3

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SH	Fuse holder H
SH1	Fuse 1 in fuse holder H
SR3	Relay and fuse carrier 3, central in plenum chamber
TV28	Terminal 30 wiring junction 3
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness

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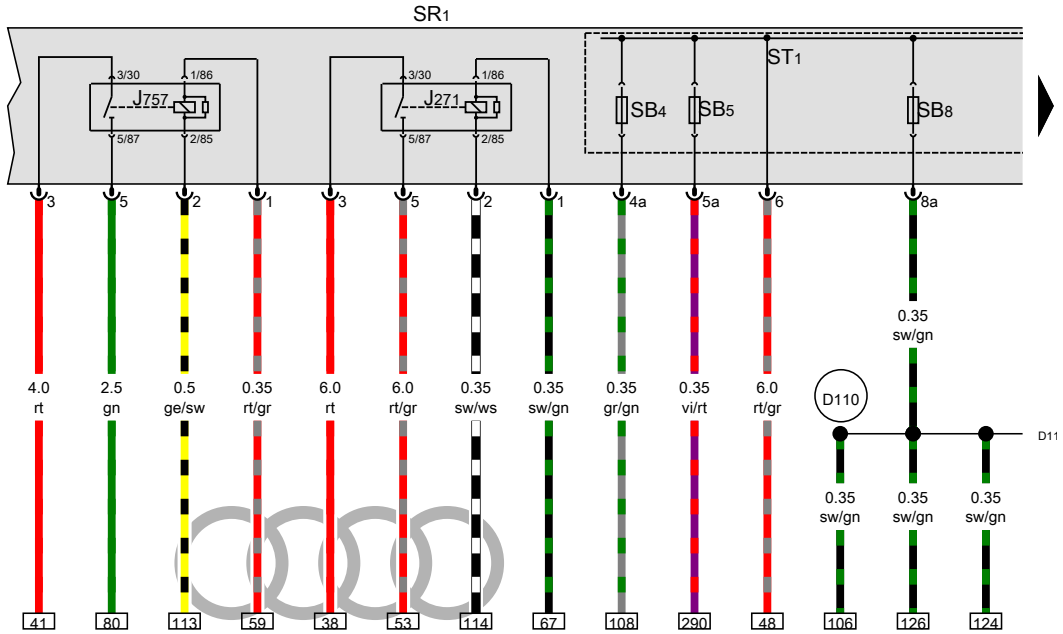

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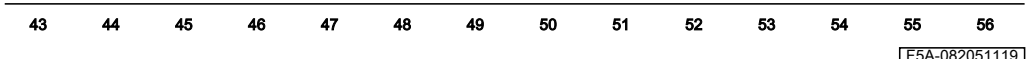

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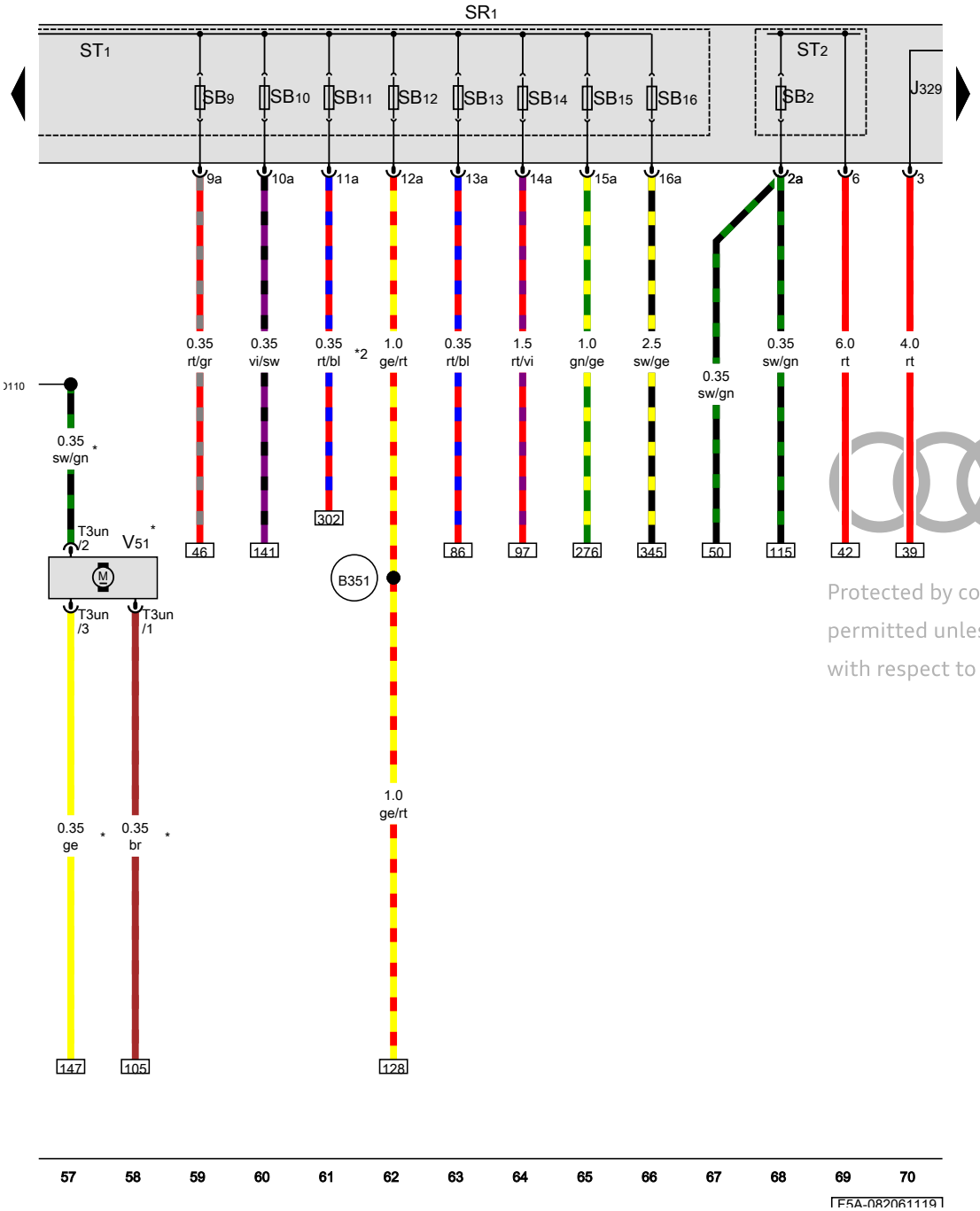
Main relay, Engine component current supply relay, Relay and fuse carrier 1

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB8	Fuse 8 on fuse holder B
D110	Connection 8 in engine compartment wiring harness



Terminal 15 voltage supply relay, Relay and fuse carrier 1, Continued coolant circulation pump

J329	Terminal 15 voltage supply relay, black
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
T3un	3-pin connector, black
V51	Continued coolant circulation pump
B351	Positive connection 2 (87a) in main wiring harness
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	For models with manual gearbox

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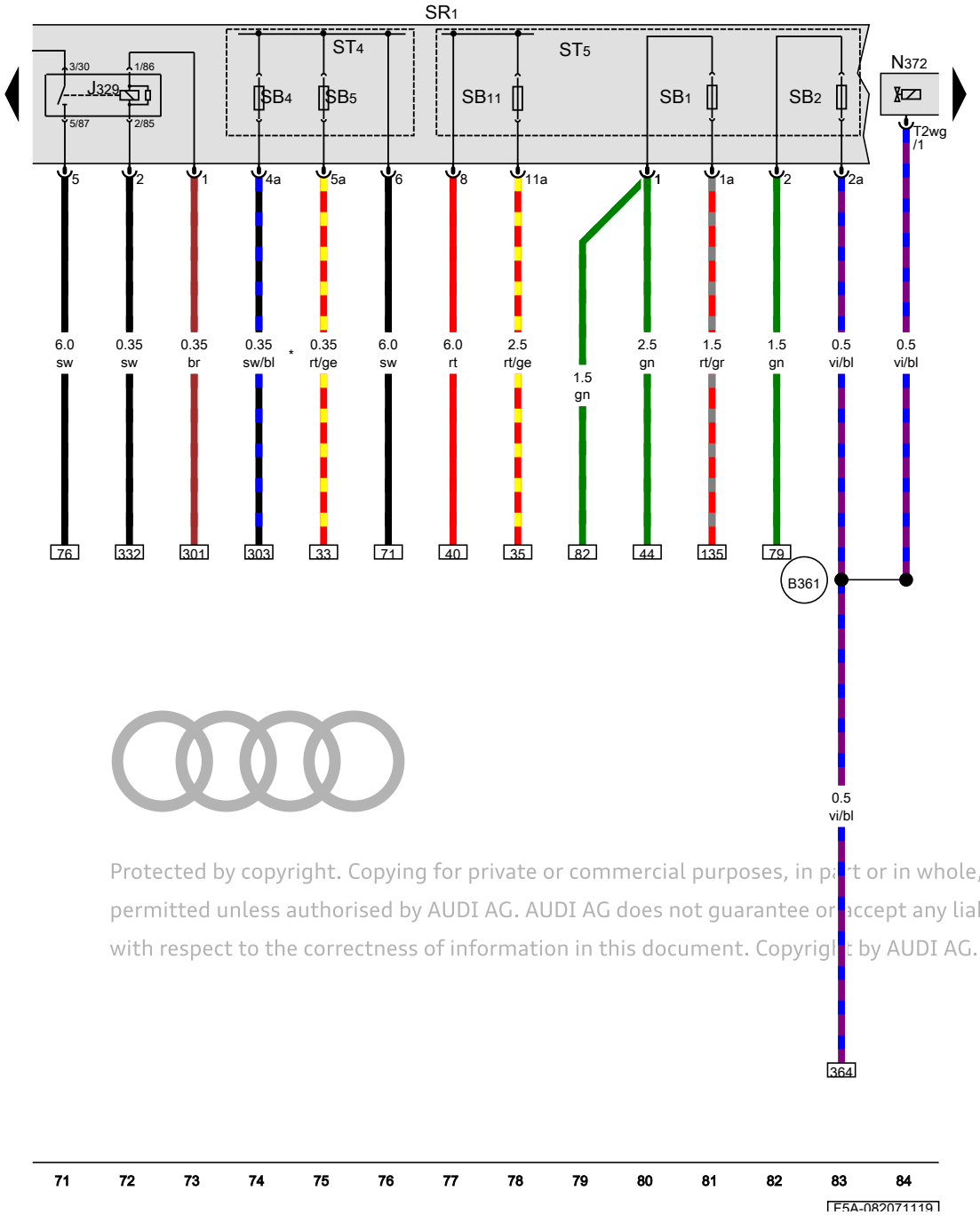

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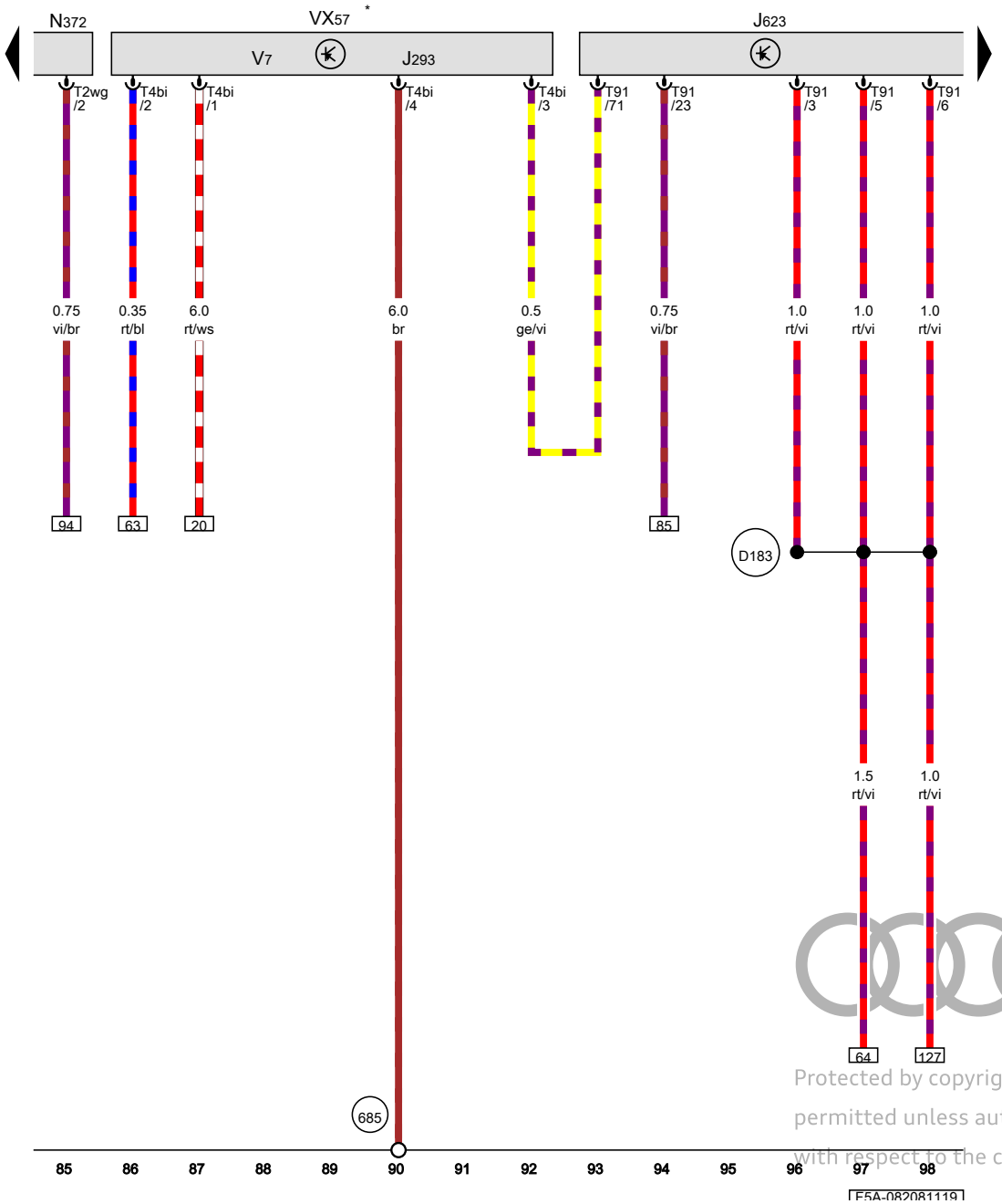
Terminal 15 voltage supply relay, High-pressure valve for gas mode, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
N372	High-pressure valve for gas mode
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB1	Fuse 1 on fuse holder B
SB2	Fuse 2 on fuse holder B
SB4	Fuse 4 on fuse holder B
ST4	Fuse carrier 4, black
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5, red
SB11	Fuse 11 on fuse holder B
T2wg	2-pin connector, black
B361	Positive connection 12 (87a) in main wiring harness
*	For models with manual gearbox



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rt = red
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gn = green
bl = blue
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li = purple
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Engine/motor control unit, High-pressure valve for gas mode, Radiator fan

J293	Radiator fan control unit
J623	Engine/motor control unit, front left in engine compartment
N372	High-pressure valve for gas mode
T2wg	2-pin connector, black
T4bi	4-pin connector, black
T91	91-pin connector, black
V7	Radiator fan
VX57	Radiator fan
685	Earth point 1, on front of right longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
*	Pre-wired component

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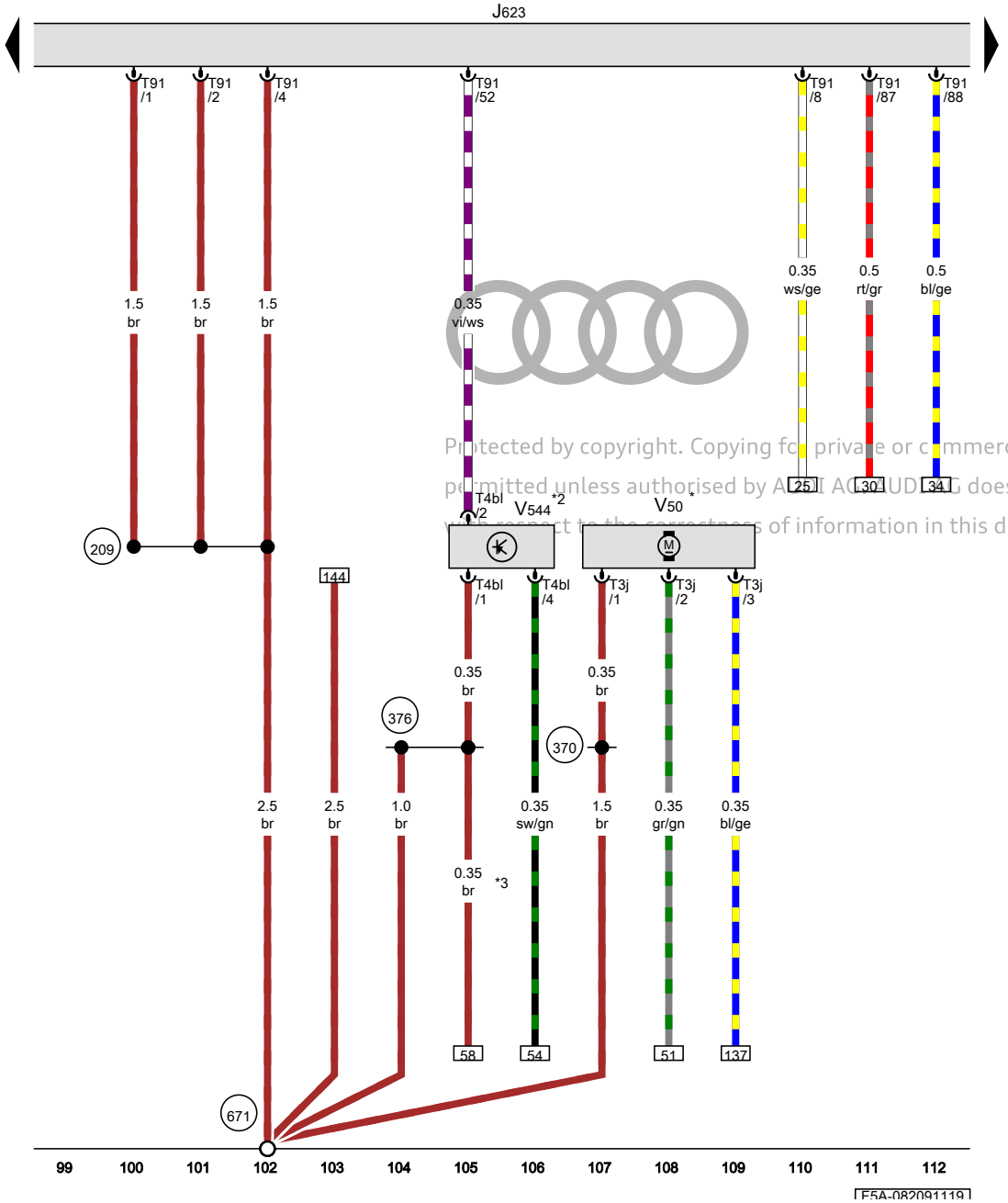

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Engine/motor control unit, Coolant circulation pump, Radiator blind control motor

J623	Engine/motor control unit, front left in engine compartment
T3j	3-pin connector, black
T4bl	4-pin connector, black
T91	91-pin connector, black
V50	Coolant circulation pump
V544	Radiator blind control motor
209	Earth connection 6, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
*	Heater support function
*2	Pre-wired component
*3	For models with automatic gearbox

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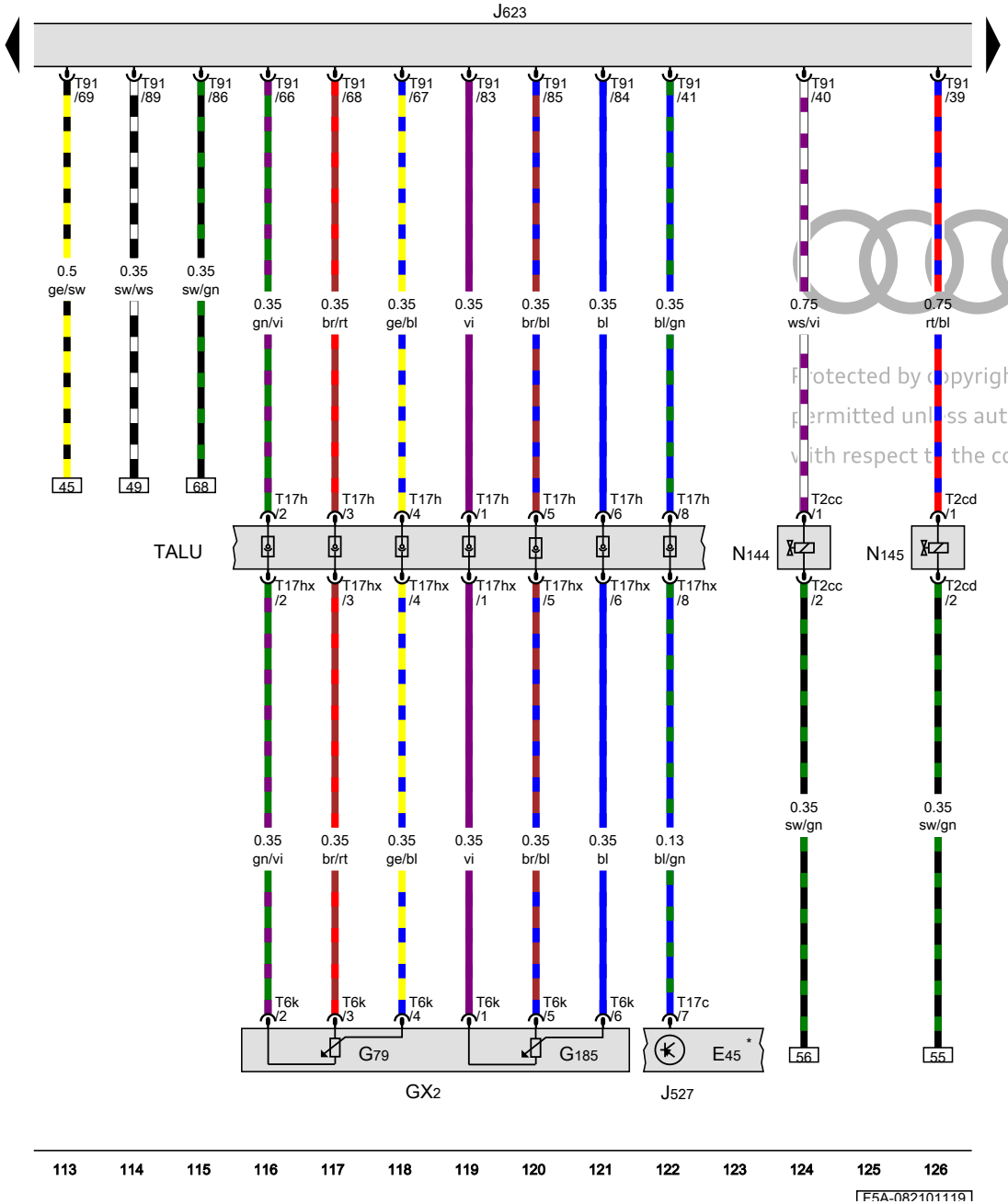
Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with cruise control system (CCS)



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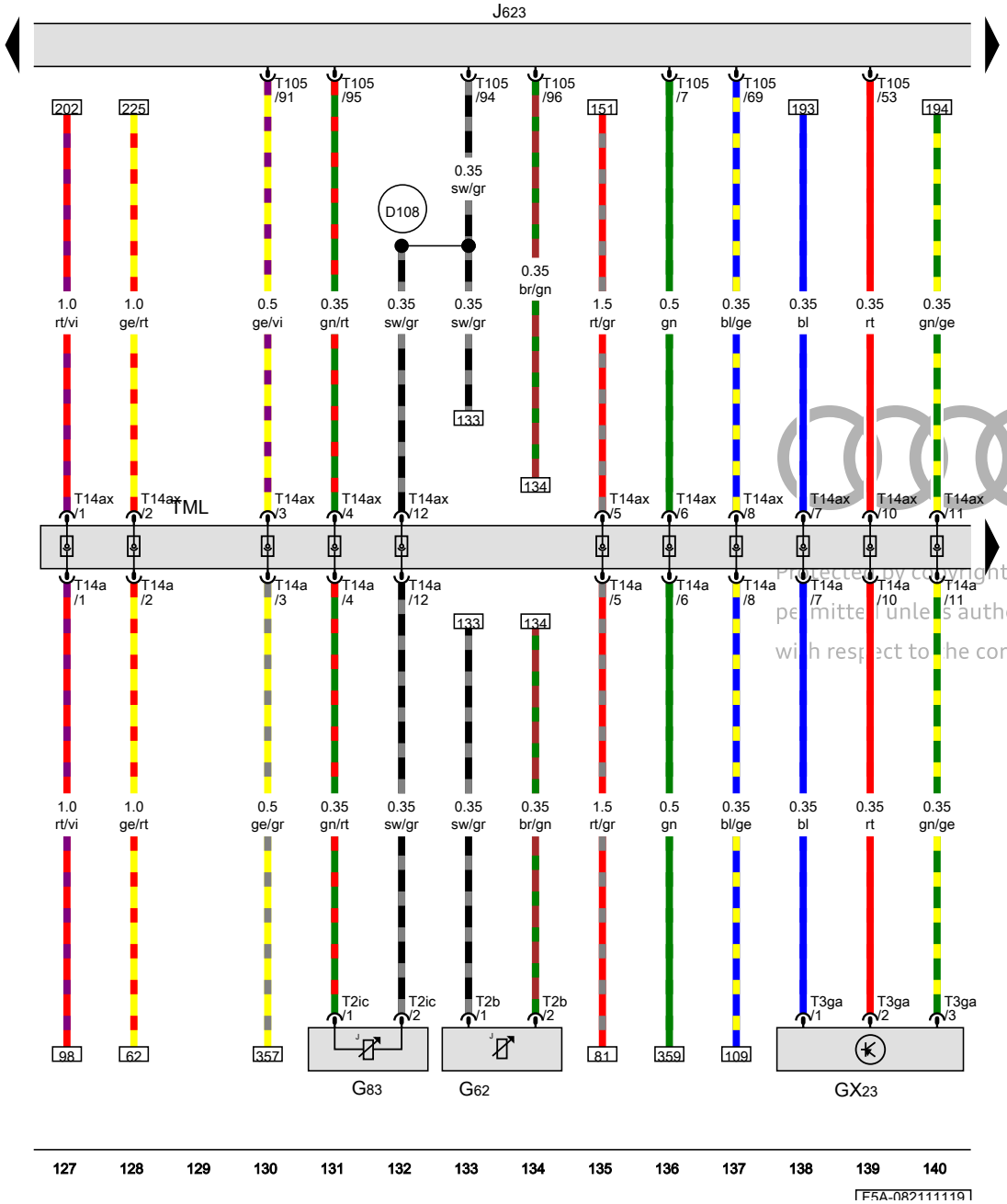

Sensor module, Coolant temperature sender, Radiator outlet coolant temperature sender, Engine/motor control unit

GX23	Sensor module
G62	Coolant temperature sender
G83	Radiator outlet coolant temperature sender
J623	Engine/motor control unit, front left in engine compartment
T2b	2-pin connector, black
T2ic	2-pin connector, black
T3ga	3-pin connector, black, purple
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
D108	Connection 6 in engine compartment wiring harness

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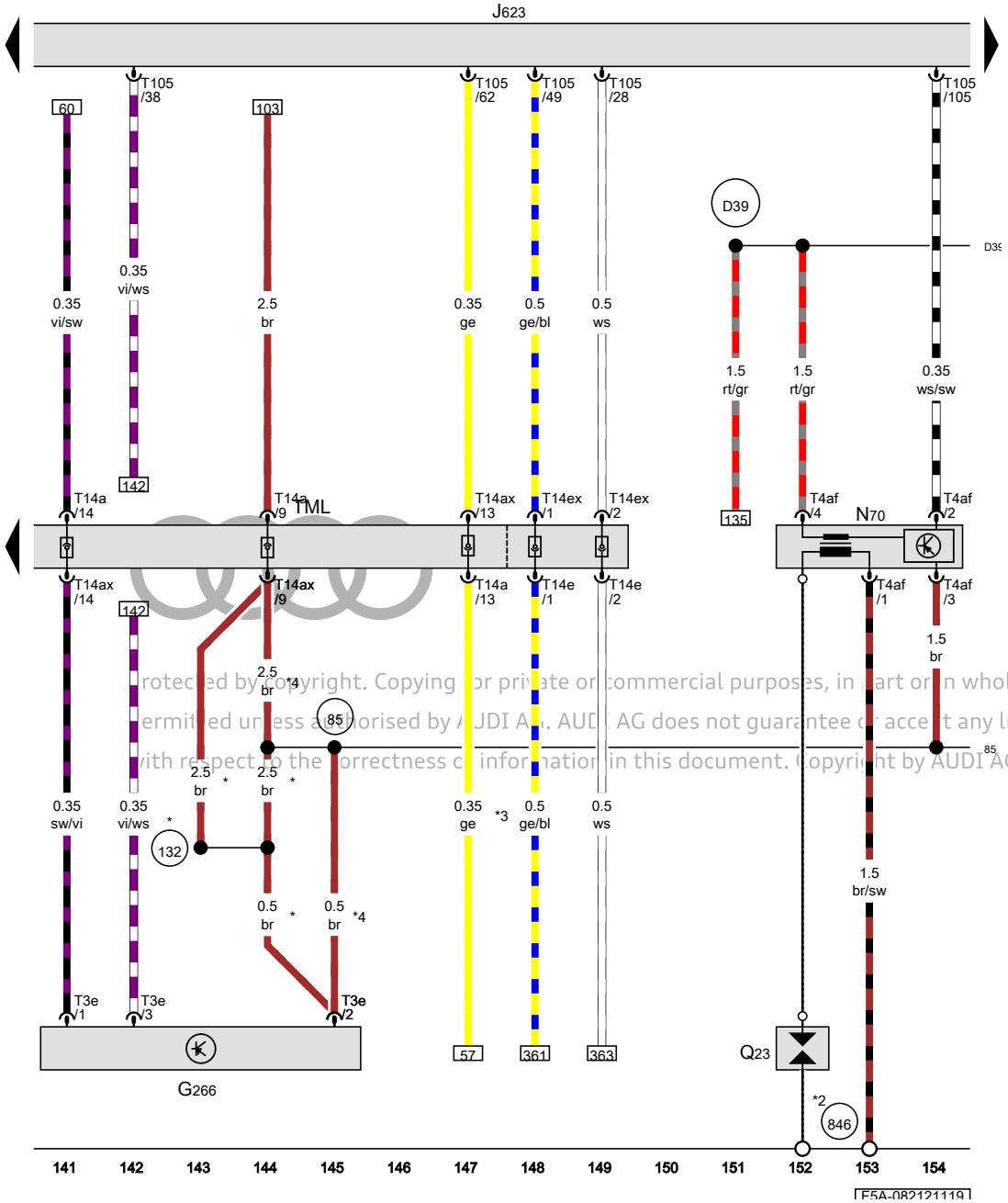
Oil level and oil temperature sender, Engine/motor control unit, Ignition coil 1 with output stage



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G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
Q23	Spark plug 1
T3e	3-pin connector, black
T4af	4-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14e	14-pin connector, black
T14ex	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
846	Earth point on ignition coil 1
D39	Connection 1, in engine prewiring harness
*	Gradually discontinued
*2	Earth supply via housing
*3	For models with automatic gearbox
*4	gradual introduction

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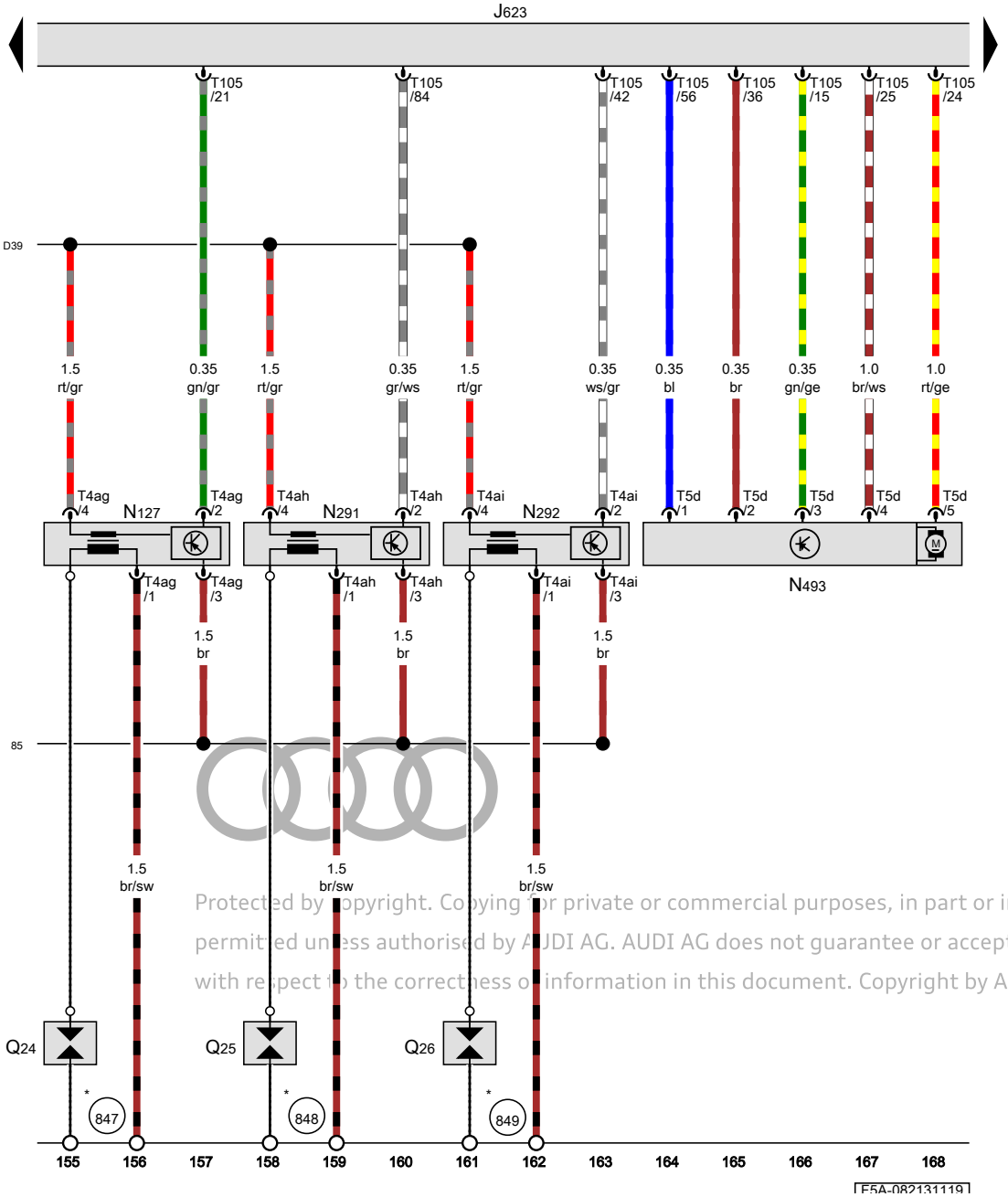

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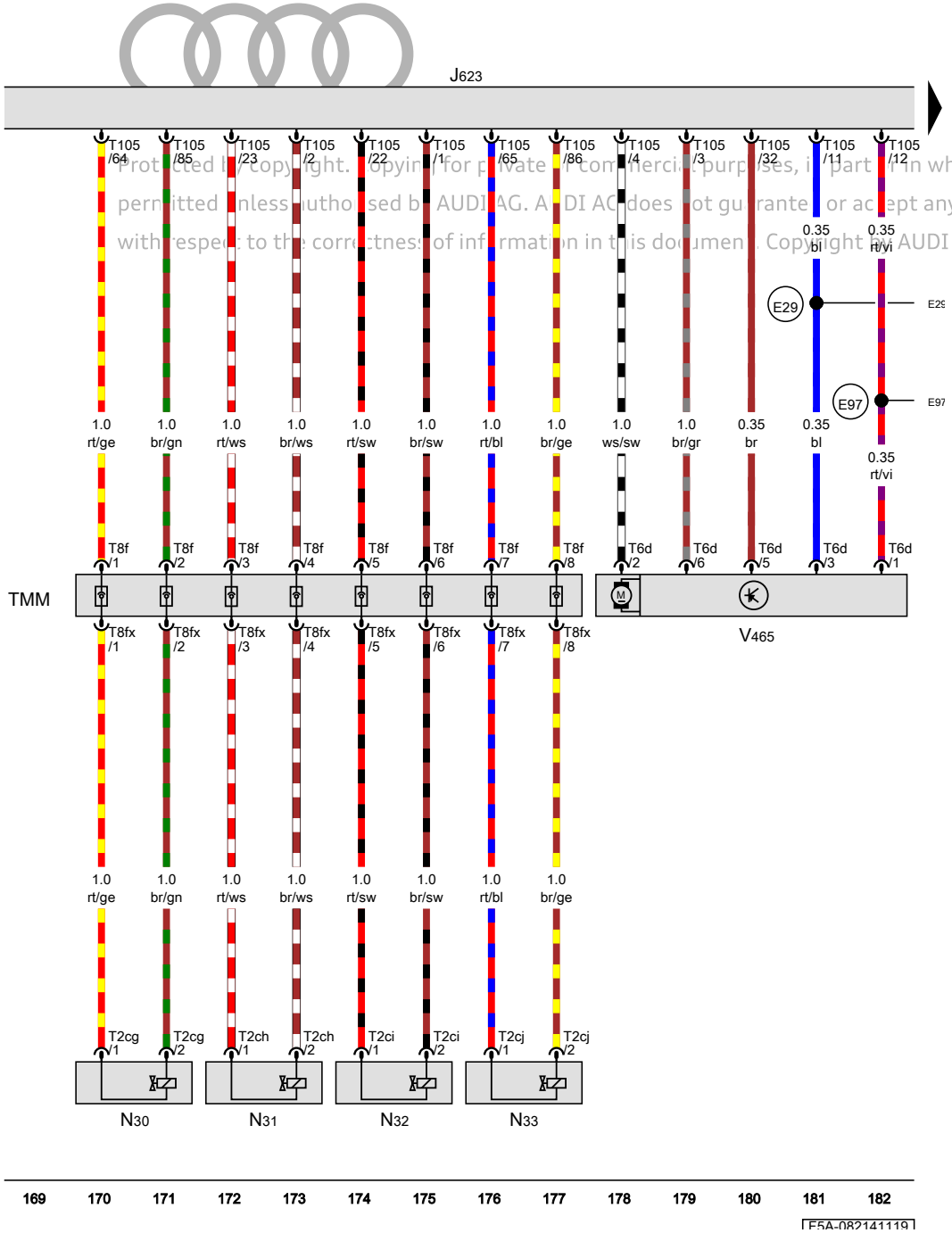
Engine/motor control unit, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Actuator for engine temperature regulation

J623	Engine/motor control unit, front left in engine compartment
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
N493	Actuator for engine temperature regulation
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T5d	5-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing



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Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge pressure positioner

J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T6d	6-pin connector, grey
T8f	8-pin connector, black
T8fx	8-pin connector, black
T105	105-pin connector, black
TMM	Coupling point in engine compartment, centre
V465	Charge pressure positioner
E29	Connection, in engine wiring harness
E97	Connection 2 in engine wiring harness

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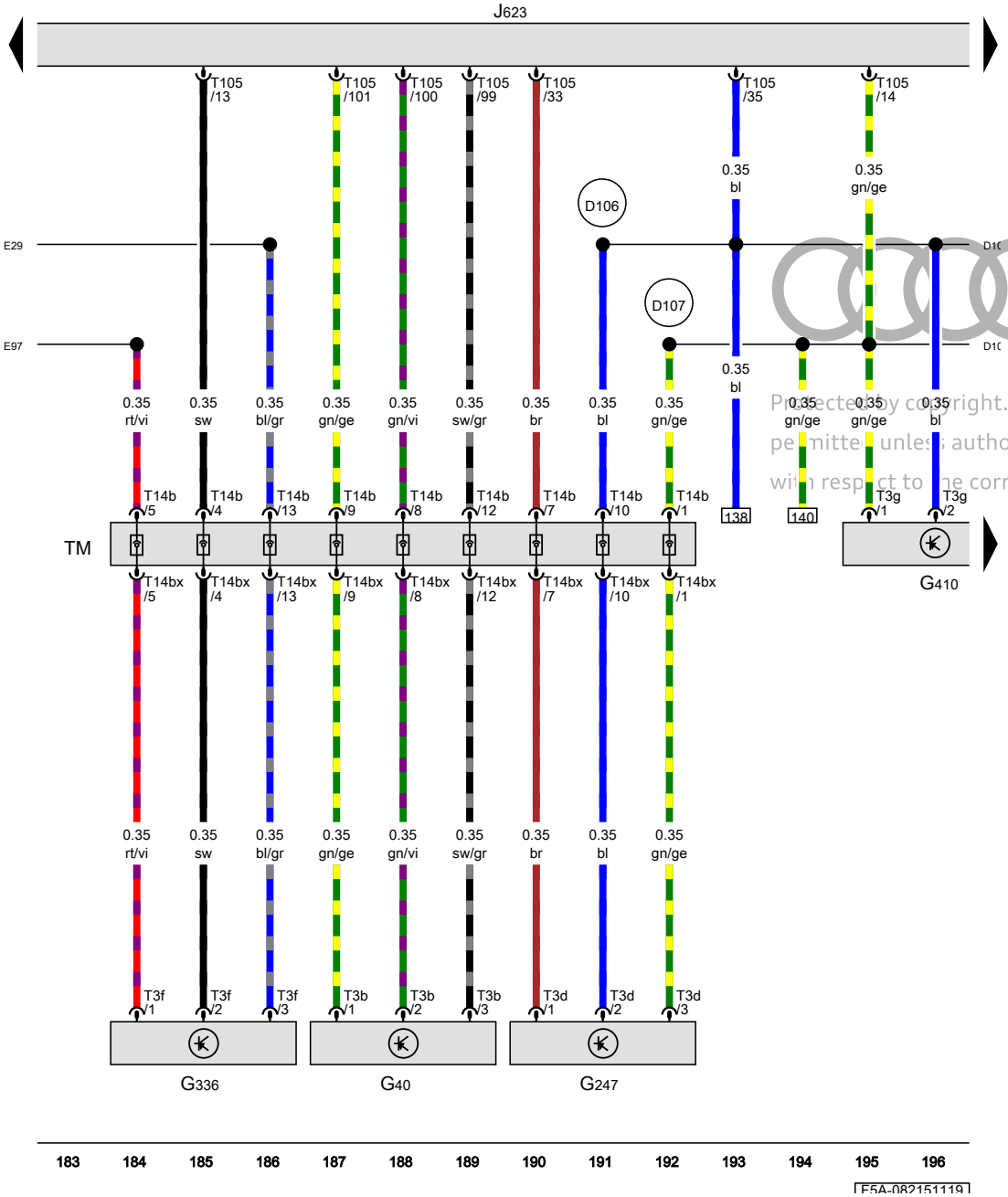

Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Fuel pressure sender for low pressure, Engine/motor control unit

G40	Hall sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, front left in engine compartment
T3b	3-pin connector, black
T3d	3-pin connector, black
T3f	3-pin connector, black
T3g	3-pin connector, black
T14b	14-pin connector, black
T14bx	14-pin connector, black
T105	105-pin connector, black
TM	Coupling point in engine compartment
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness
E29	Connection, in engine wiring harness
E97	Connection 2 in engine wiring harness

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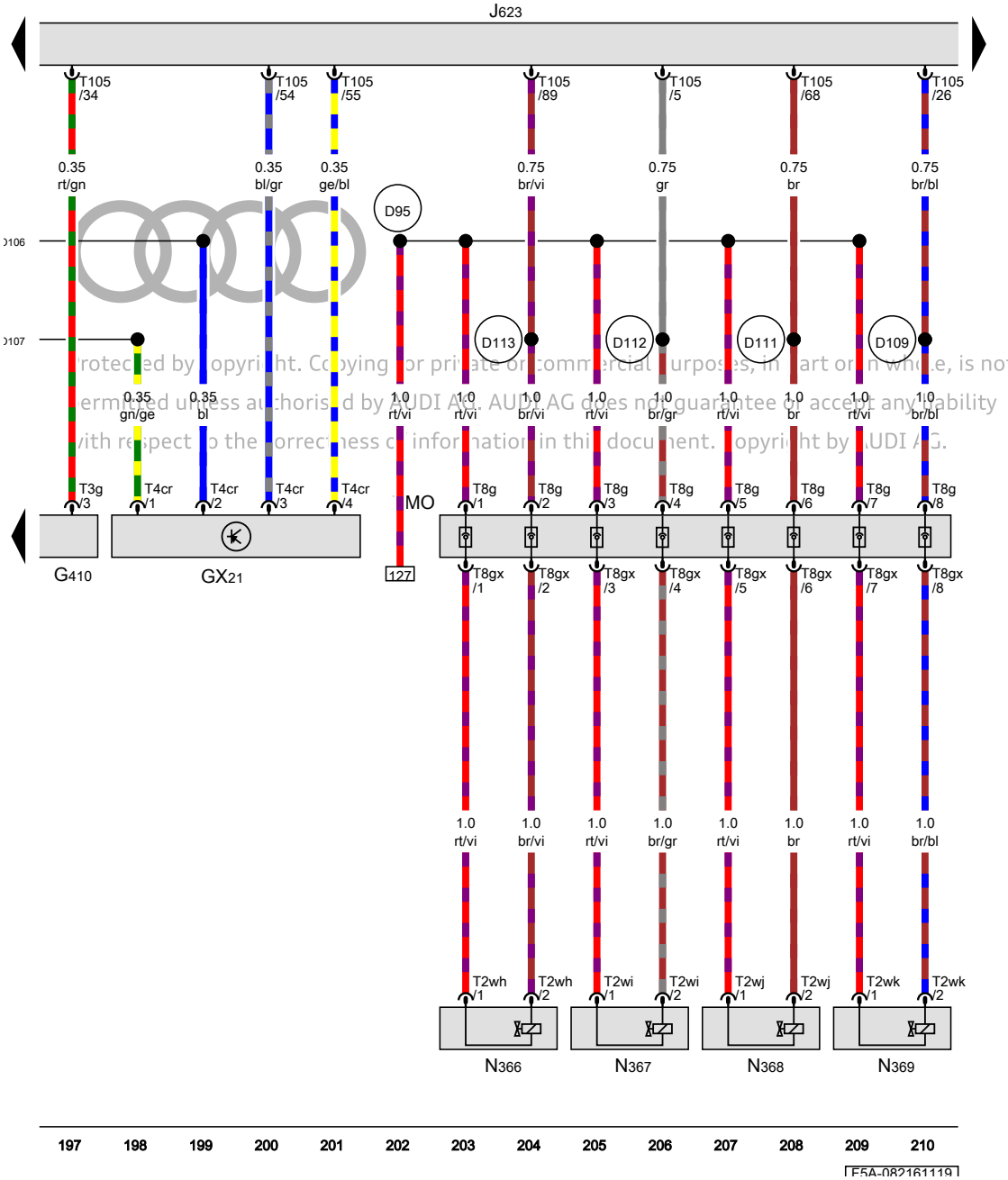

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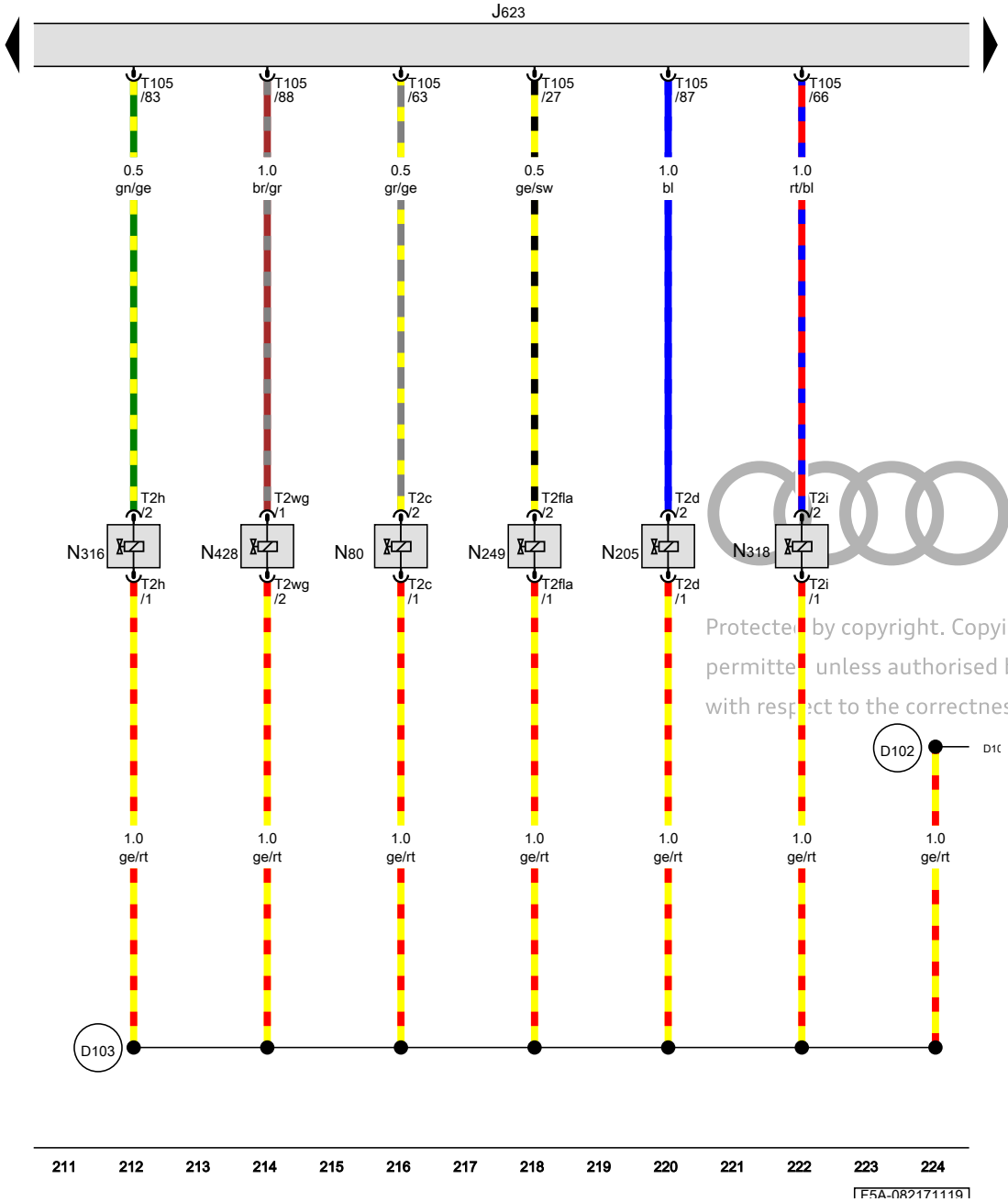
Gas rail temperature and pressure sensor, Fuel pressure sender for low pressure, Engine/motor control unit, Gas injection valve 1, Gas injection valve 2, Gas injection valve 3, Gas injection valve 4

GX21	Gas rail temperature and pressure sensor
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, front left in engine compartment
N366	Gas injection valve 1
N367	Gas injection valve 2
N368	Gas injection valve 3
N369	Gas injection valve 4
T2wh	2-pin connector, black
T2wi	2-pin connector, black
T2wj	2-pin connector, black
T2wk	2-pin connector, black
T3g	3-pin connector, black
T4cr	4-pin connector, black
T8g	8-pin connector, black
T8gx	8-pin connector, black
T105	105-pin connector, black
TMO	Coupling point on engine, top
D95	Connection (injectors), in engine compartment wiring harness
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness
D109	Connection 7 in engine compartment wiring harness
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
D113	Connection 11 in engine compartment wiring harness



Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control

J623	Engine/motor control unit, front left in engine compartment
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
T2c	2-pin connector, black
T2d	2-pin connector, black
T2fla	2-pin connector, brown
T2h	2-pin connector, black
T2i	2-pin connector, black
T2wg	2-pin connector, black
T105	105-pin connector, black
D102	Connection 2 in engine compartment wiring harness
D103	Connection 3 in engine compartment wiring harness

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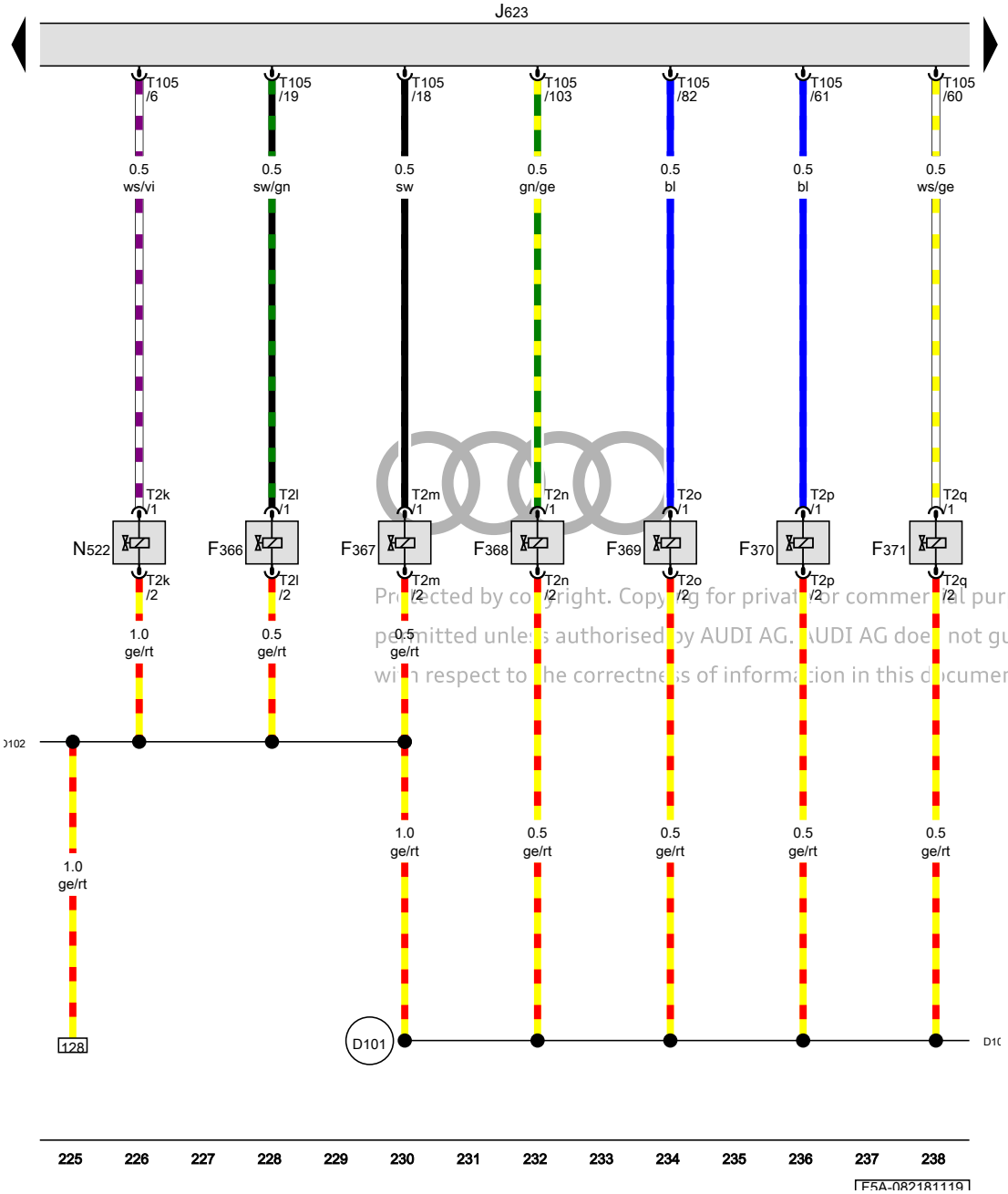

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Cam adjustment actuator 1, Cam adjustment actuator 2, Cam adjustment actuator 3, Cam adjustment actuator 4, Cam adjustment actuator 5, Cam adjustment actuator 6, Engine/motor control unit, Piston cooling jet control valve

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F370	Cam adjustment actuator 5
F371	Cam adjustment actuator 6
J623	Engine/motor control unit, front left in engine compartment
N522	Piston cooling jet control valve
T2k	2-pin connector, black
T2l	2-pin connector, black
T2m	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2p	2-pin connector, black
T2q	2-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness

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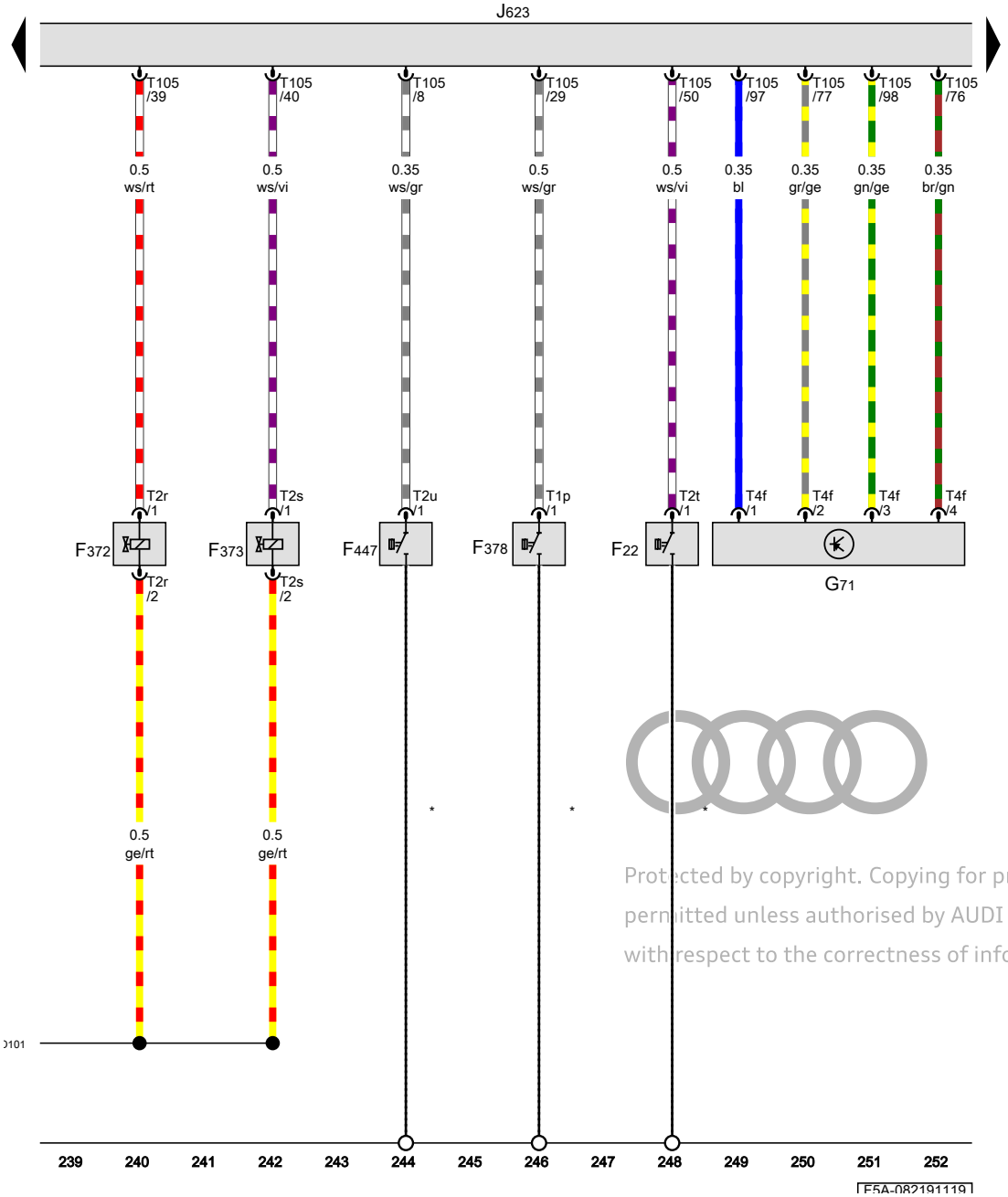

Oil pressure switch, Cam adjustment actuator 7, Cam adjustment actuator 8, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Intake manifold pressure sender, Engine/motor control unit

F22	Oil pressure switch
F372	Cam adjustment actuator 7
F373	Cam adjustment actuator 8
F378	Oil pressure switch for reduced oil pressure
F447	Stage 3 oil pressure switch
G71	Intake manifold pressure sender
J623	Engine/motor control unit, front left in engine compartment
T1p	1-pin connector, black
T2r	2-pin connector, black
T2s	2-pin connector, black
T2t	2-pin connector, black
T2u	2-pin connector, black
T4f	4-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
*	Earth supply via housing

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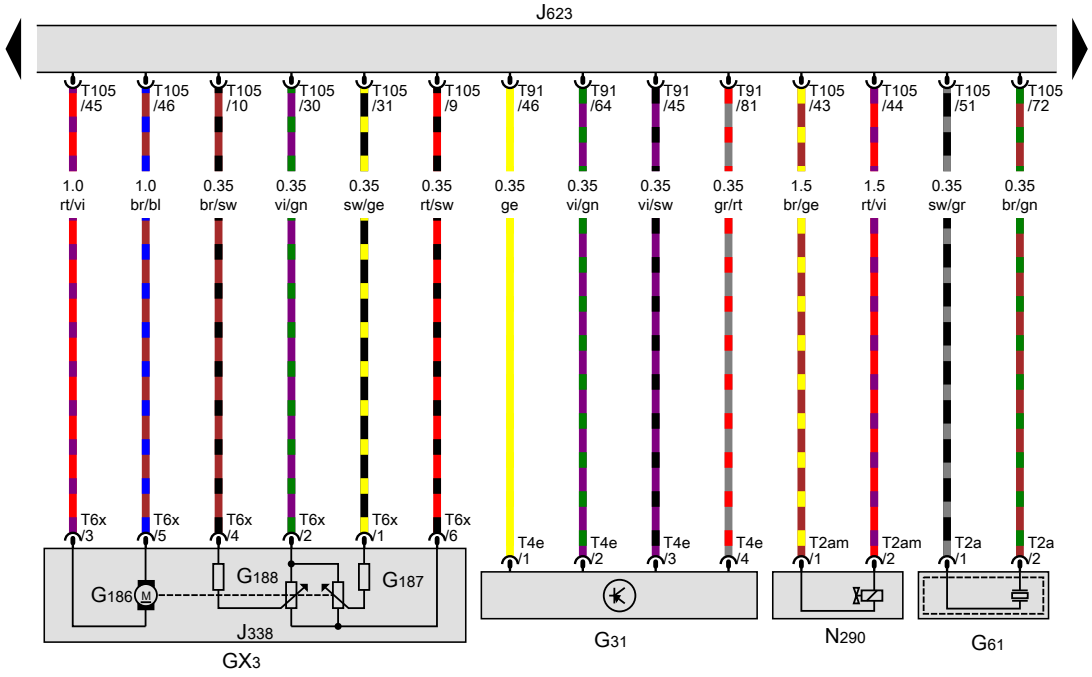
Throttle valve module, Charge pressure sender, Knock sensor 1, Engine/motor control unit, Fuel metering valve



GX3	Throttle valve module
G31	Charge pressure sender
G61	Knock sensor 1
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
N290	Fuel metering valve
T2a	2-pin connector, black
T2am	2-pin connector, black
T4e	4-pin connector, black
T6x	6-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black

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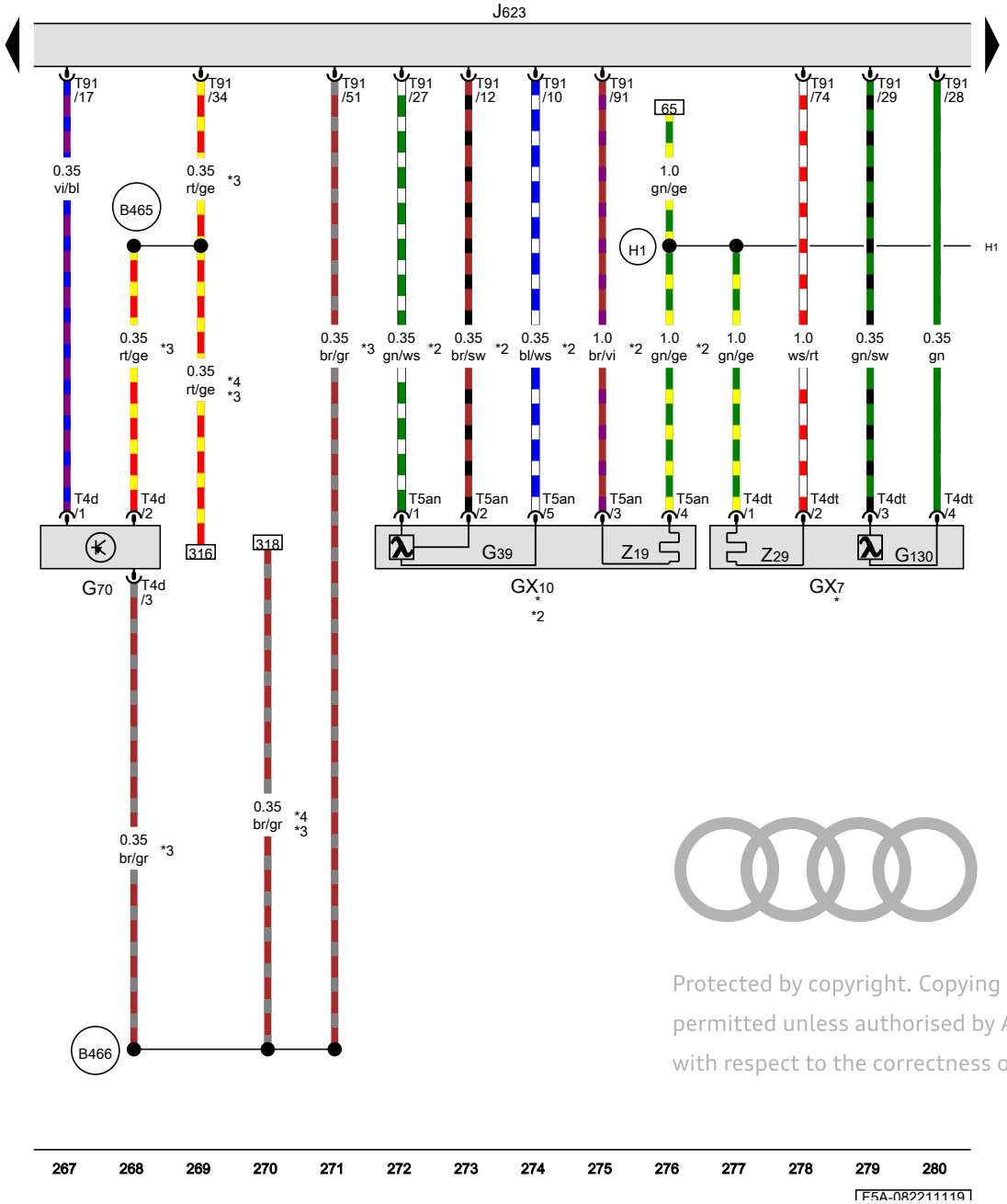

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Air mass meter, Engine/motor control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G70	Air mass meter
G130	Lambda probe after catalytic converter
J623	Engine/motor control unit, front left in engine compartment
T4d	4-pin connector, black
T4dt	4-pin connector, black
T5an	5-pin connector, grey
T91	91-pin connector, black
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
B465	Connection 1, in main wiring harness
B466	Connection 2, in main wiring harness
H1	Positive connection, in Lambda wiring harness
*	Pre-wired component
*2	For emission standard Euro 6 DG
*3	Different wire colour possible
*4	For models with manual gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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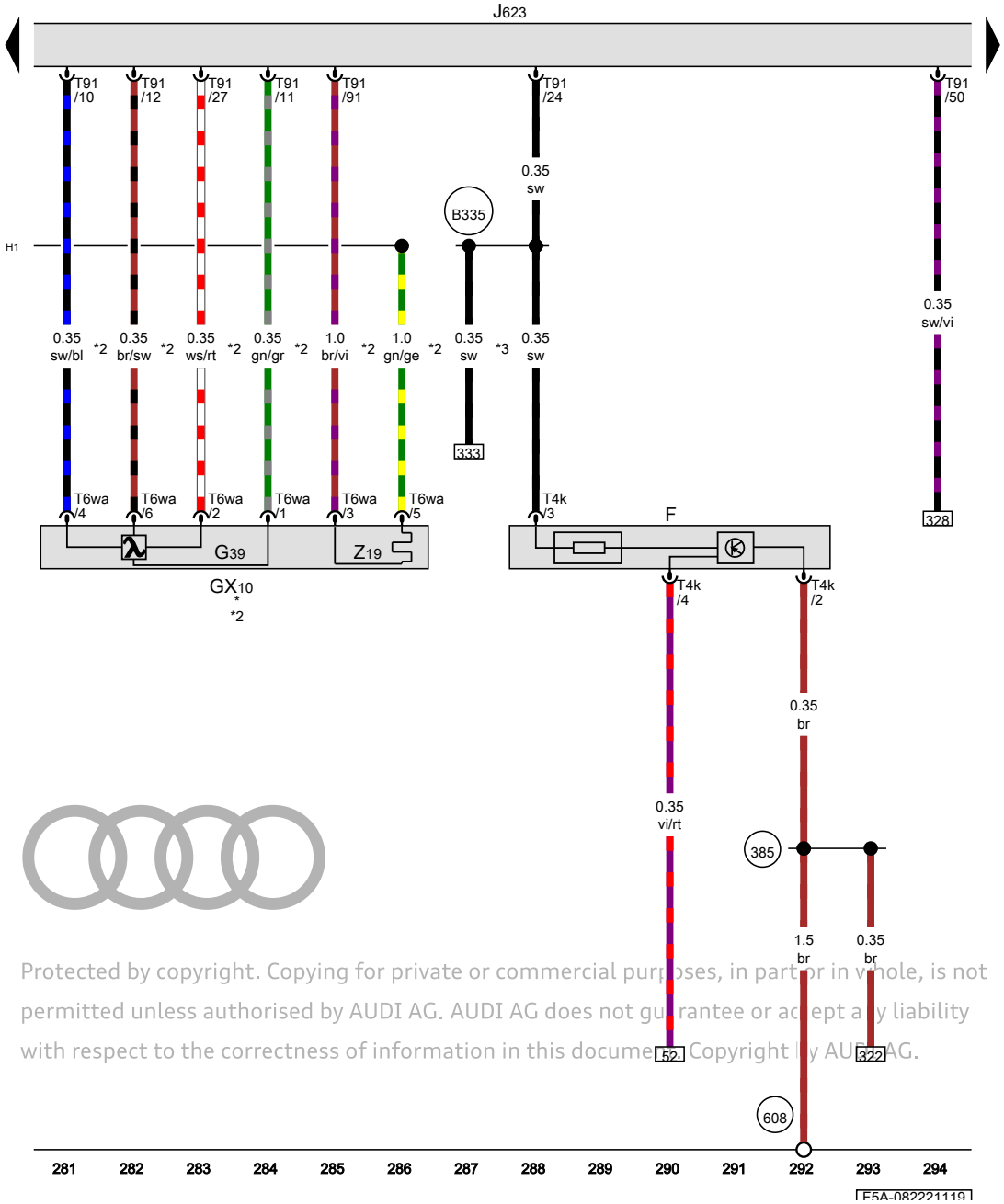

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Brake light switch, Lambda probe 1 before catalytic converter, Engine/motor control unit, Lambda probe heater

F	Brake light switch, on brake servo
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
J623	Engine/motor control unit, front left in engine compartment
T4k	4-pin connector, black
T6wa	6-pin connector, black
T91	91-pin connector, black
Z19	Lambda probe heater
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
H1	Positive connection, in Lambda wiring harness
*	Pre-wired component
*2	For emission standard Euro 6 AP
*3	Cross section depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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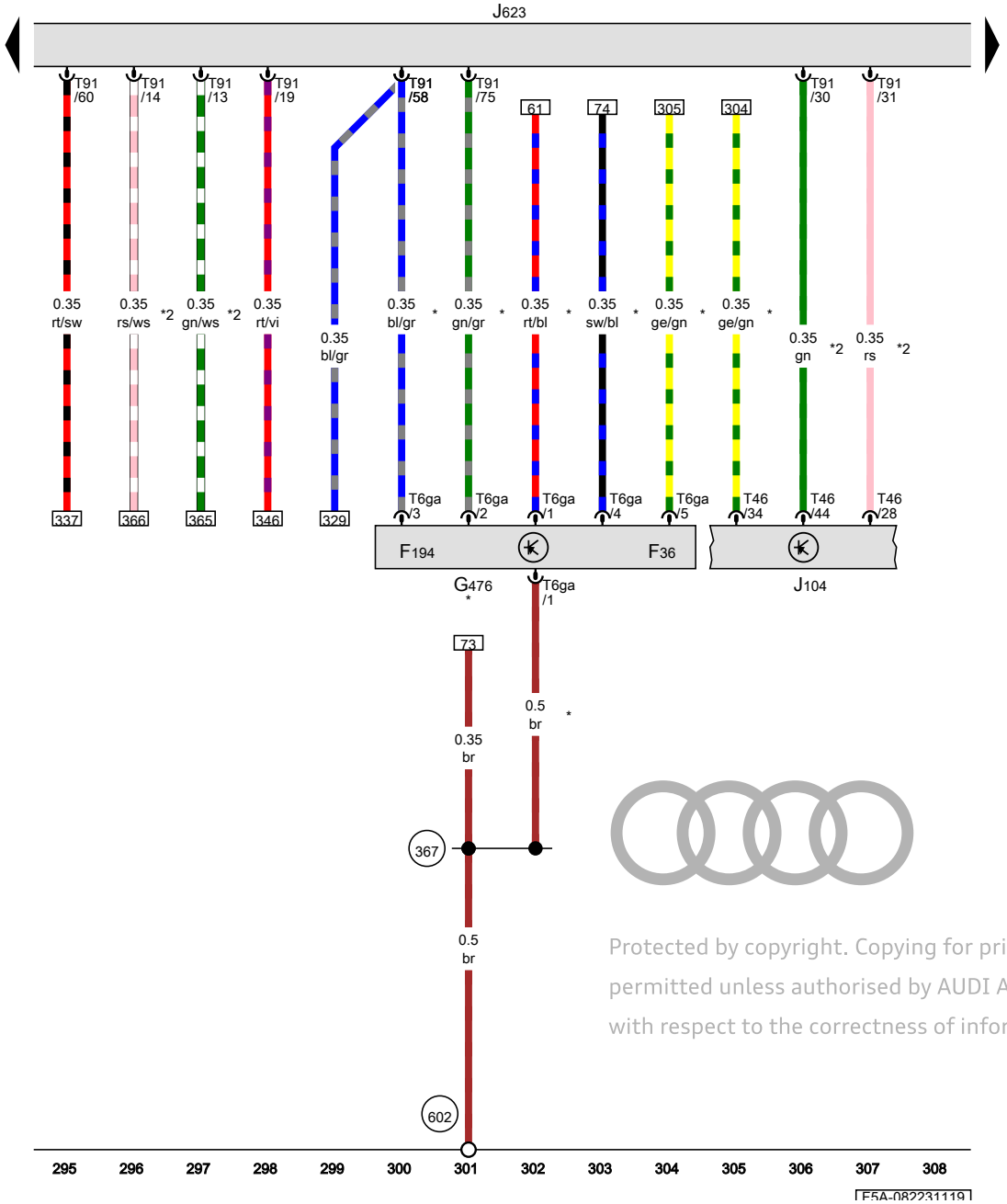

Clutch pedal switch, Clutch pedal switch for engine start, Clutch position sender, Engine/motor control unit

F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
G476	Clutch position sender
J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
T6ga	6-pin connector, black
T46	46-pin connector, black
T91	91-pin connector, black
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
*	For models with manual gearbox
*2	Data bus wire (FlexRay bus)

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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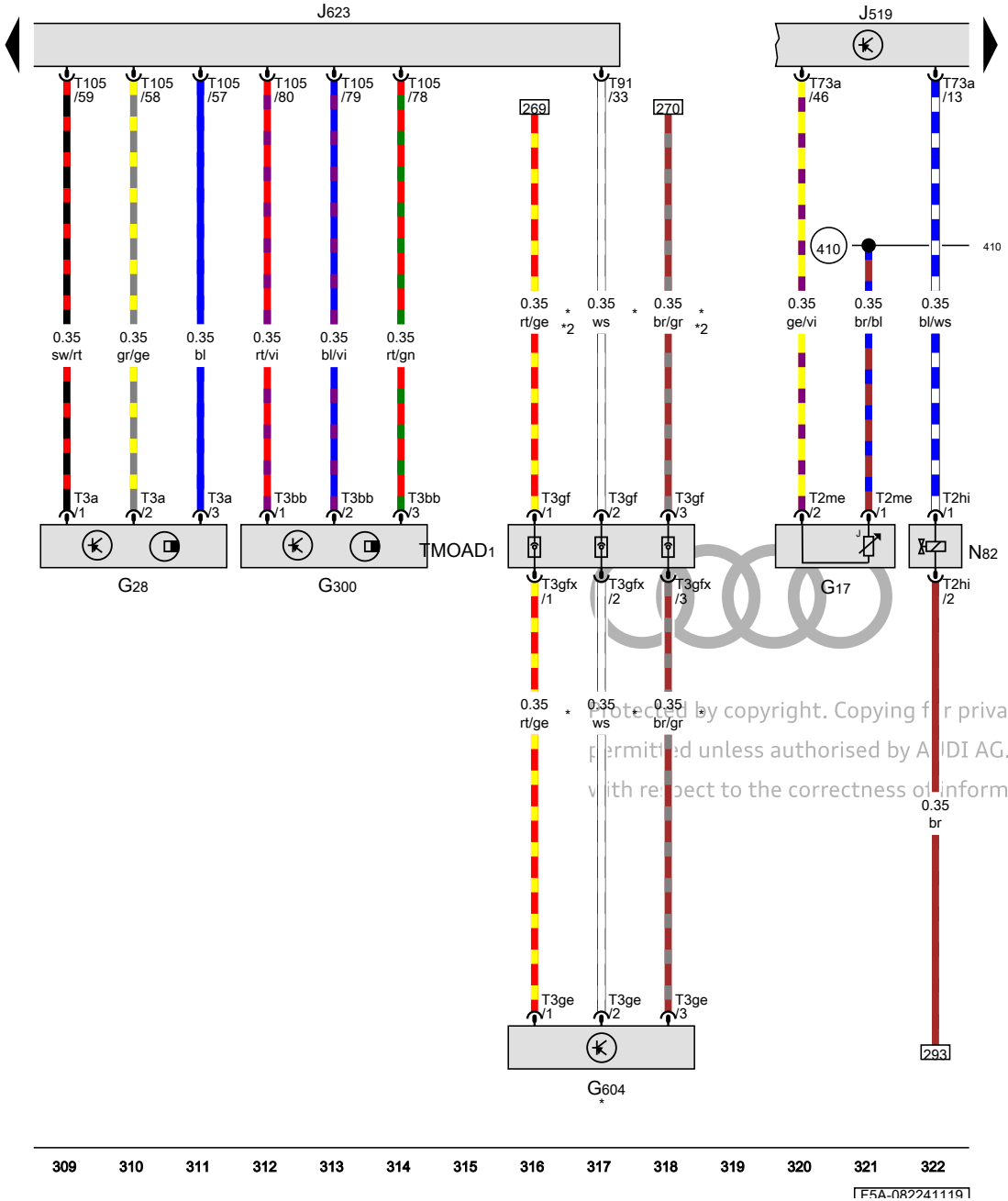

Ambient temperature sensor, Engine speed sender, Hall sender 3, Gear detection sensor, Onboard supply control unit, Engine/motor control unit, Coolant shut-off valve

G17	Ambient temperature sensor
G28	Engine speed sender
G300	Hall sender 3
G604	Gear detection sensor
J519	Onboard supply control unit
J623	Engine/motor control unit, front left in engine compartment
N82	Coolant shut-off valve
T2hi	2-pin connector, black
T2me	2-pin connector, black
T3a	3-pin connector, black
T3bb	3-pin connector, black
T3ge	3-pin connector, black, brown
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
T73a	73-pin connector, black
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T91	91-pin connector, black
T105	105-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
*	For models with manual gearbox
*2	Different wire colour possible

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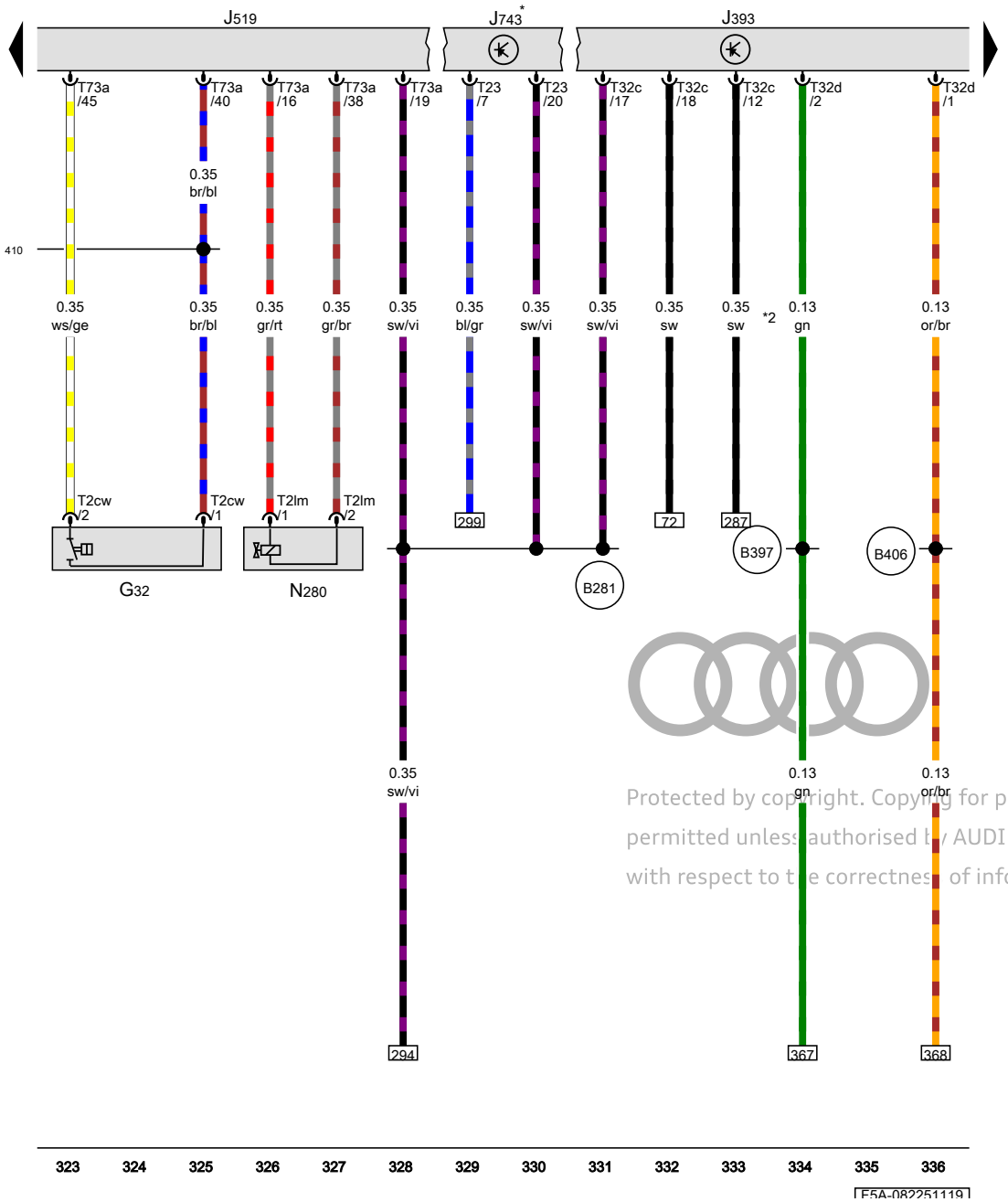

Coolant shortage indicator sender, Convenience system central control unit, Onboard supply control unit, Mechatronic unit for dual clutch gearbox, Air conditioner compressor regulating valve

G32	Coolant shortage indicator sender
J393	Convenience system central control unit
J519	Onboard supply control unit
J743	Mechatronic unit for dual clutch gearbox
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2lm	2-pin connector, black
T23	23-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
T73a	73-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	Cross section depends on equipment

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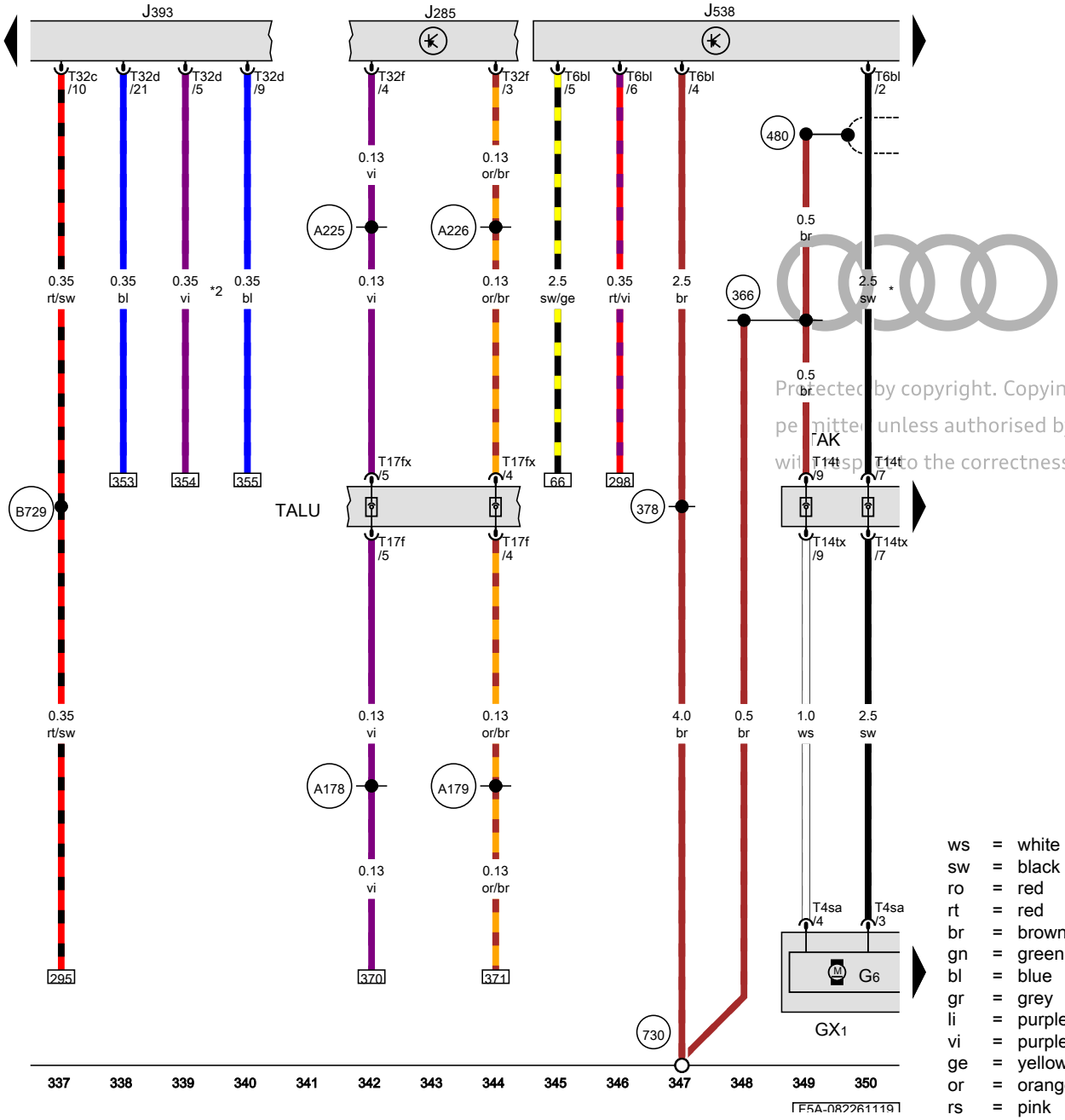

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gr = grey
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vi = purple
ge = yellow
or = orange
rs = pink

Fuel delivery unit, Control unit in dash panel insert, Convenience system central control unit, Fuel pump control unit, Coupling point for fuel tank

GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T14t	14-pin connector, black
T14tx	14-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32c	32-pin connector, black
T32d	32-pin connector, blue
T32f	32-pin connector, grey
TAK	Coupling point for fuel tank, near fuel tank
TALU	Coupling point on left A-pillar, bottom
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B729	Connection 1 (50), in main wiring harness
*	Different wire colour possible
*2	Up to July 2018

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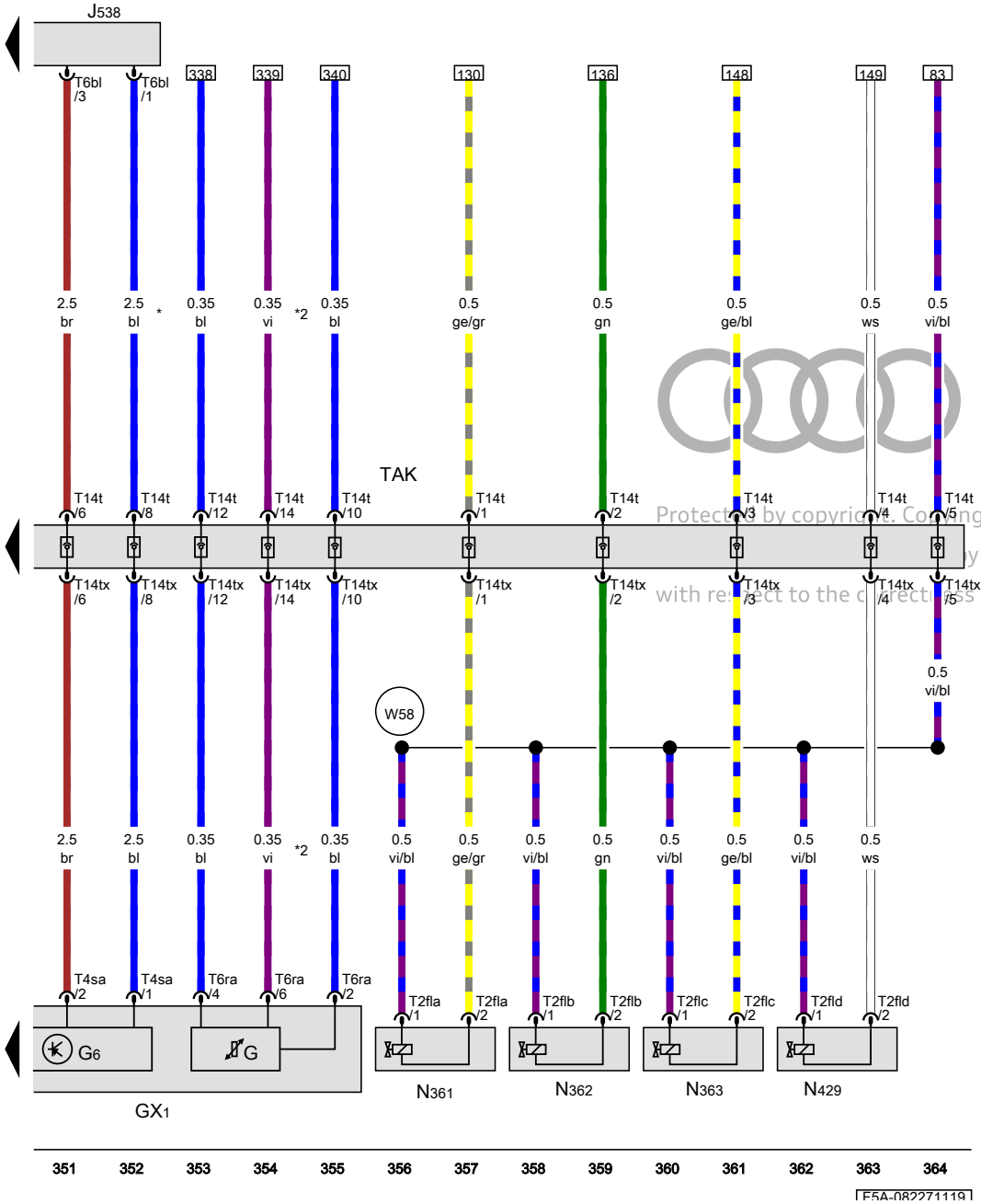

Fuel delivery unit, Fuel pump control unit, Fuel tank shut-off valve 1, Fuel tank shut-off valve 2, Fuel tank shut-off valve 3, Fuel tank shut-off valve 4, Coupling point for fuel tank

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
J538	Fuel pump control unit
N361	Fuel tank shut-off valve 1
N362	Fuel tank shut-off valve 2
N363	Fuel tank shut-off valve 3
N429	Fuel tank shut-off valve 4
T2fla	2-pin connector, black
T2flb	2-pin connector, black
T2flc	2-pin connector, black
T2fld	2-pin connector, black
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T14t	14-pin connector, black
T14tx	14-pin connector, black
TAK	Coupling point for fuel tank, near fuel tank
W58	Connection (87), in rear wiring harness
*	Different wire colour possible
*2	Up to July 2018

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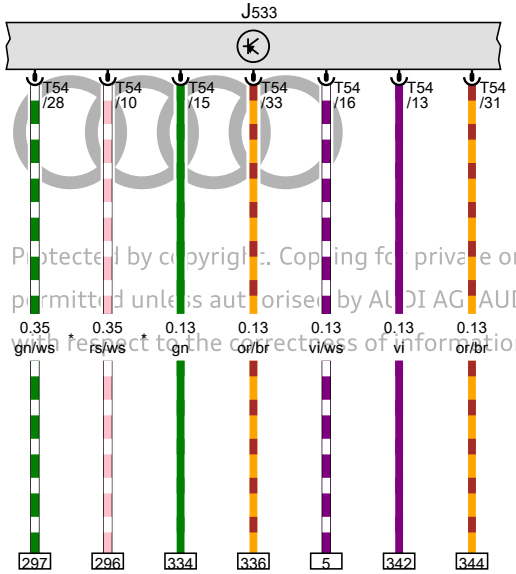
ge	=	yellow
or	=	orange
rs	=	pink

Data bus diagnostic interface

J533	Data bus diagnostic interface
T54	54-pin connector, black
*	Data bus wire (FlexRay bus)



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rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Adjustable driver and front passenger seats , (3L4),(3L5),(7P1),(7P7)

From July 2016

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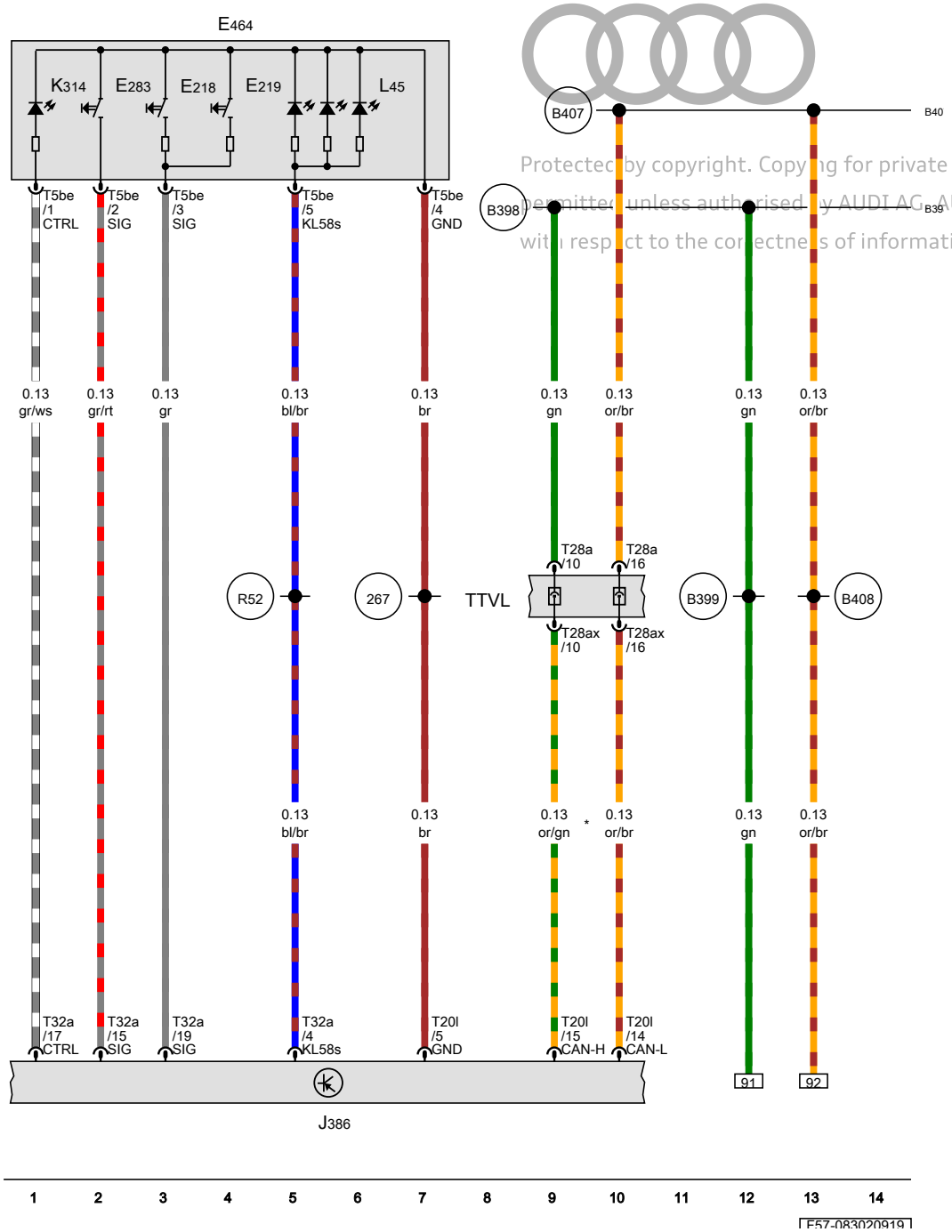

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Driver operating unit for memory settings, Driver door control unit

E218	Seat memory position button 1
E219	Seat memory position button 2
E283	Driver seat memory function button
E464	Driver operating unit for memory settings
J386	Driver door control unit
K314	Warning lamp for driver seat with memory function
L45	Memory operating unit illumination bulb
T5be	5-pin connector, black
T20l	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
T32a	32-pin connector, blue
TTVL	Coupling point for front left door
267	Earth connection 2, in drive side door wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
R52	Connection (58s), in driver side door wiring harness
*	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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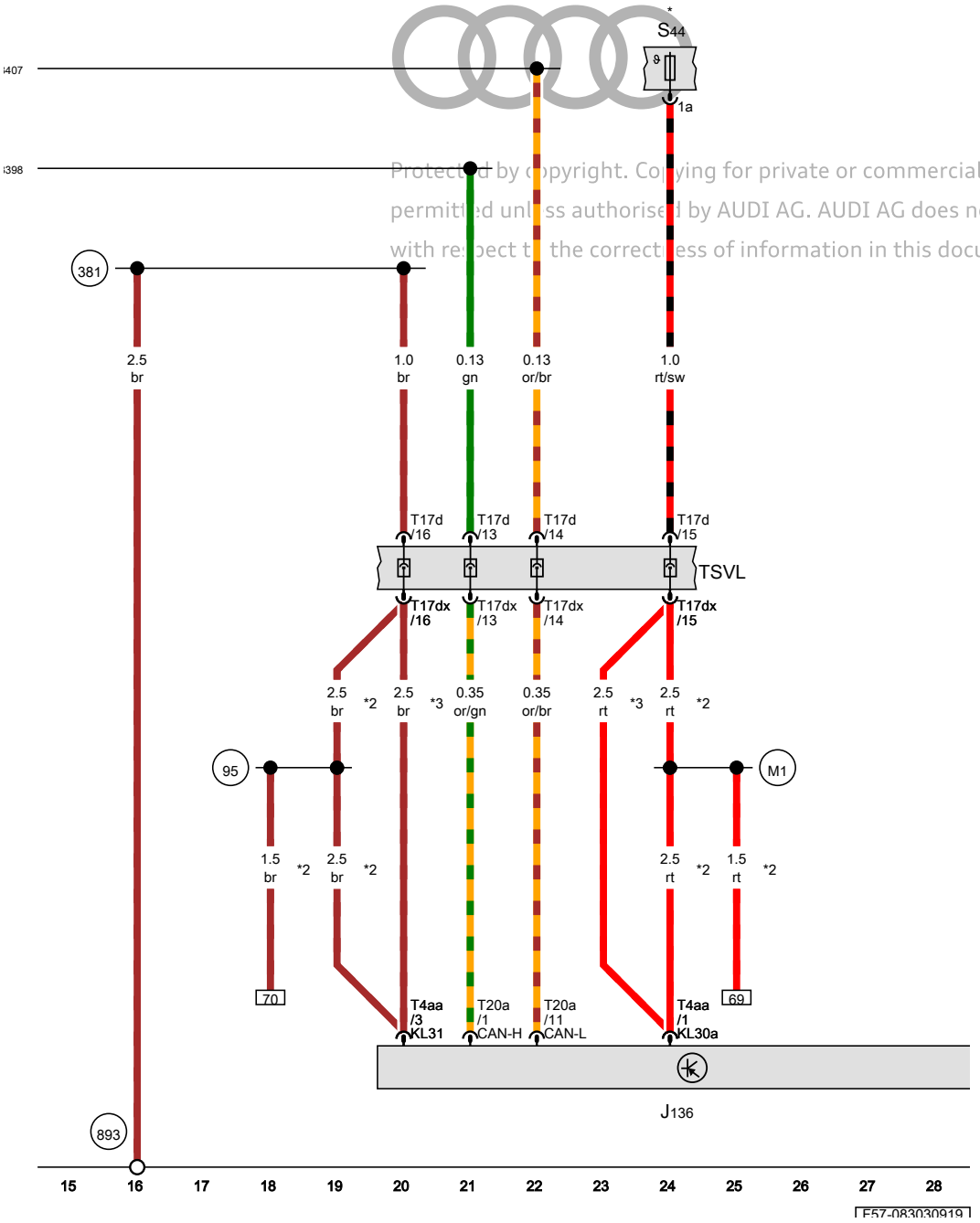

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Seat and steering column adjustment control unit with memory, Driver seat adjustment thermal fuse 1

J136	Seat and steering column adjustment control unit with memory
S44	Driver seat adjustment thermal fuse 1
T4aa	4-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T20a	20-pin connector, black
TSVL	Coupling point for front left seat
95	Earth connection 1, in seat adjustment wiring harness
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
M1	Positive connection 1 (30), in seat adjustment wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with adjustable lumbar support
*3	For models with no adjustable lumbar support

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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bl	=	blue
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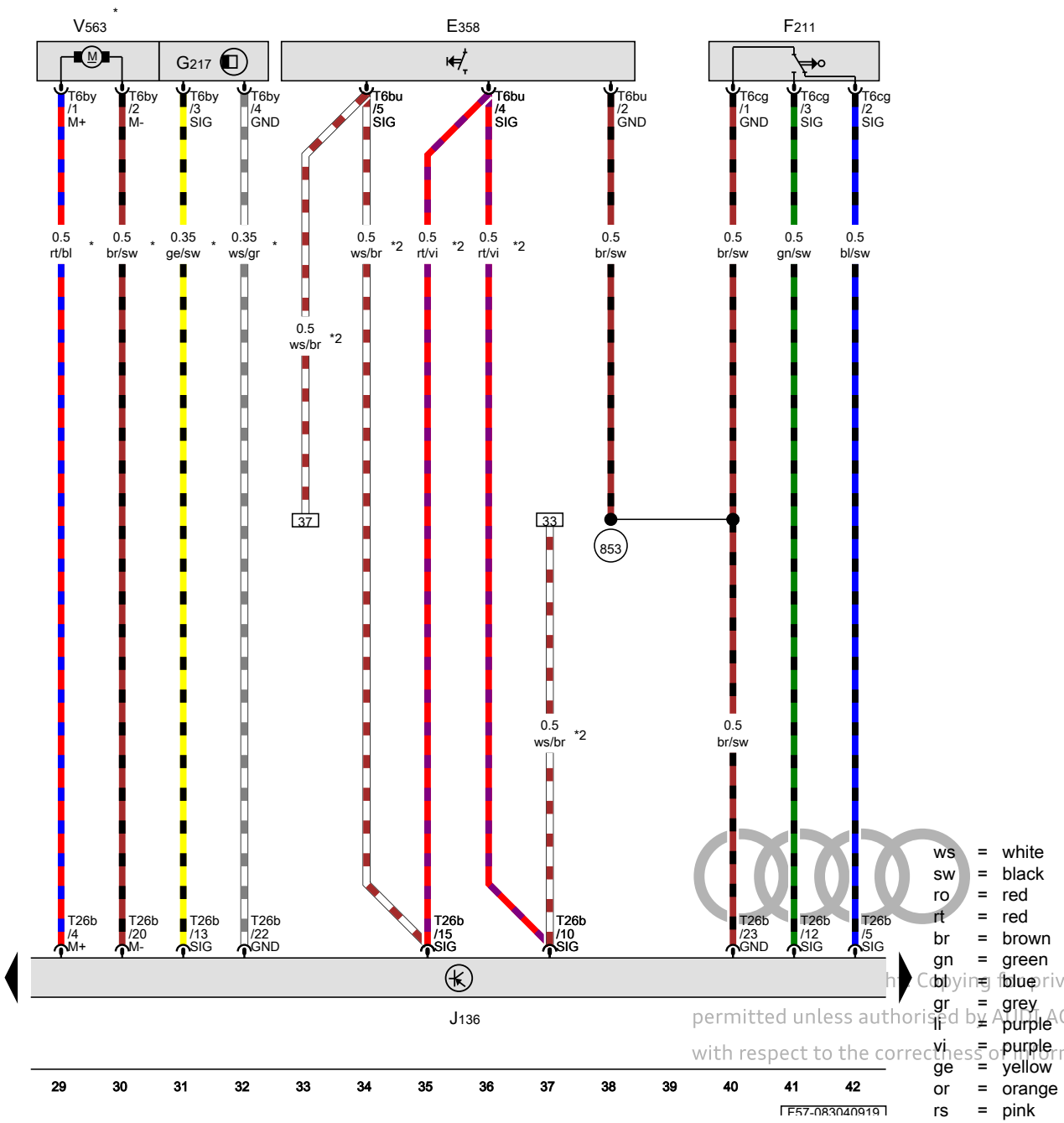

Easy entry button on driver side, Driver seat backrest locking switch, Head restraint height adjustment sender for driver seat, Seat and steering column adjustment control unit with memory, Head restraint height adjustment motor for driver seat

E358	Easy entry button on driver side
F211	Driver seat backrest locking switch
G217	Head restraint height adjustment sender for driver seat
J136	Seat and steering column adjustment control unit with memory
T6bu	6-pin connector, black
T6by	6-pin connector, black
T6cg	6-pin connector, black
T26b	26-pin connector, blue
V563	Head restraint height adjustment motor for driver seat
853	Earth connection 6, in seat adjustment wiring harness
*	For models with electric head restraint adjustment
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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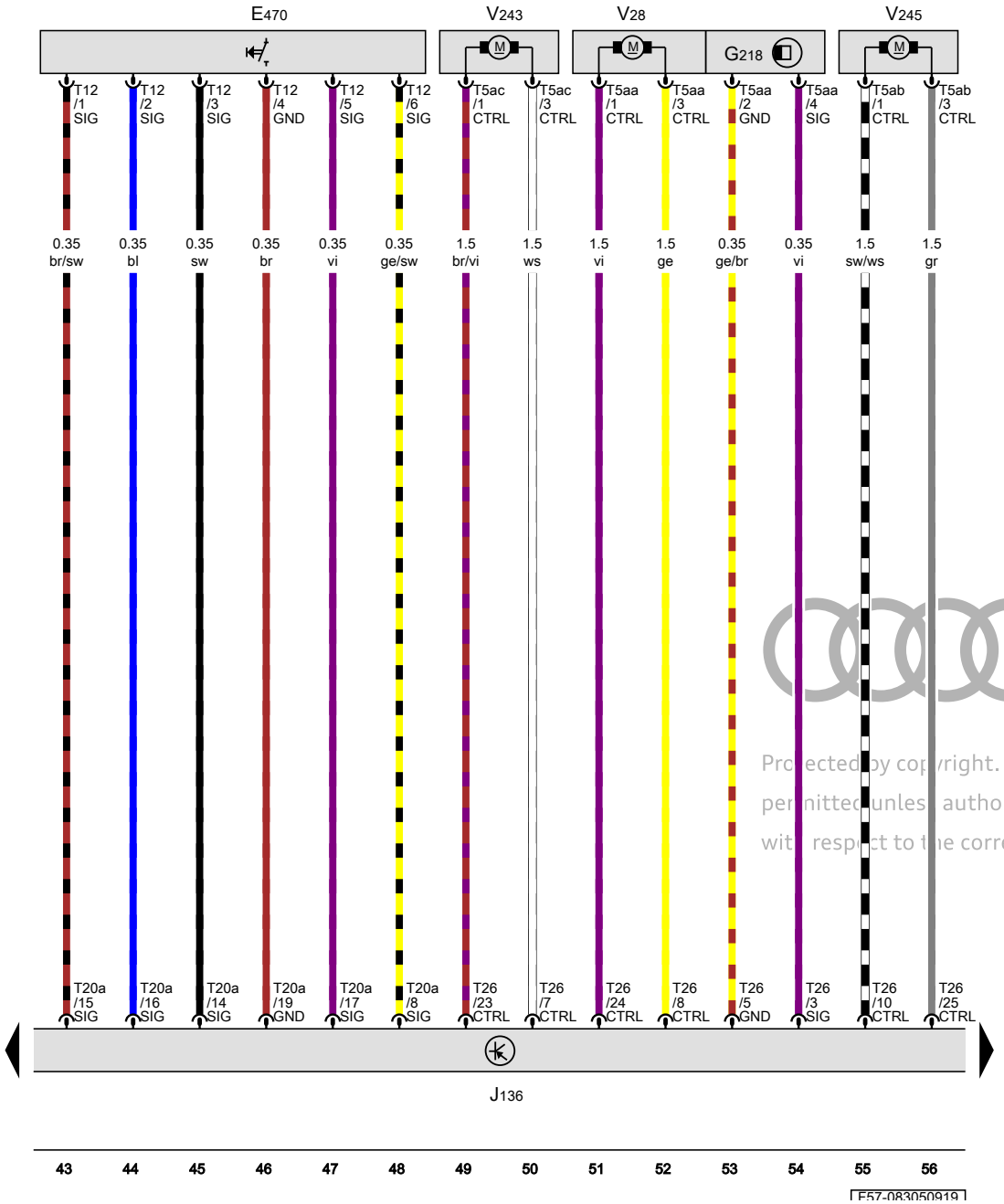

Driver seat adjustment operating unit, Longitudinal adjustment sender for driver seat, Seat and steering column adjustment control unit with memory, Driver seat longitudinal adjustment motor, Driver seat rake adjustment motor, Driver seat height adjustment motor

E470	Driver seat adjustment operating unit
G218	Longitudinal adjustment sender for driver seat
J136	Seat and steering column adjustment control unit with memory
T5aa	5-pin connector, brown
T5ab	5-pin connector, brown
T5ac	5-pin connector, brown
T12	12-pin connector, black
T20a	20-pin connector, black
T26	26-pin connector, white
V28	Driver seat longitudinal adjustment motor
V243	Driver seat rake adjustment motor
V245	Driver seat height adjustment motor

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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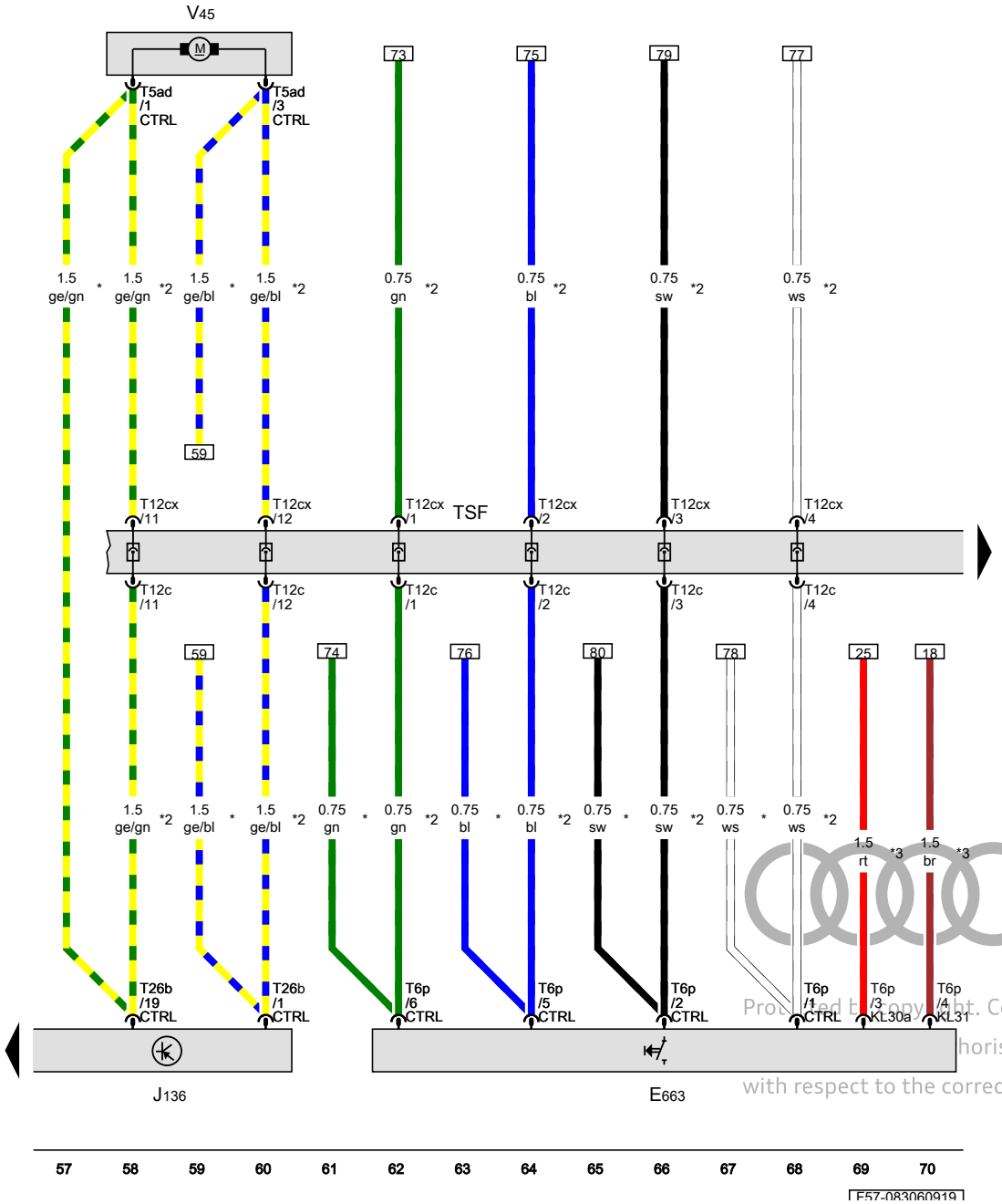

Switch module for driver seat, Seat and steering column adjustment control unit with memory, Driver seat backrest adjustment motor

E663	Switch module for driver seat
J136	Seat and steering column adjustment control unit with memory
T5ad	5-pin connector, brown
T6p	6-pin connector, white
T12c	12-pin connector, black
T12cx	12-pin connector, black
T26	26-pin connector, white
T26b	26-pin connector, blue
TSF	Coupling point for driver seat backrest
V45	Driver seat backrest adjustment motor
*	For models with no seat heating
*2	For models with seat heating
*3	For models with adjustable lumbar support

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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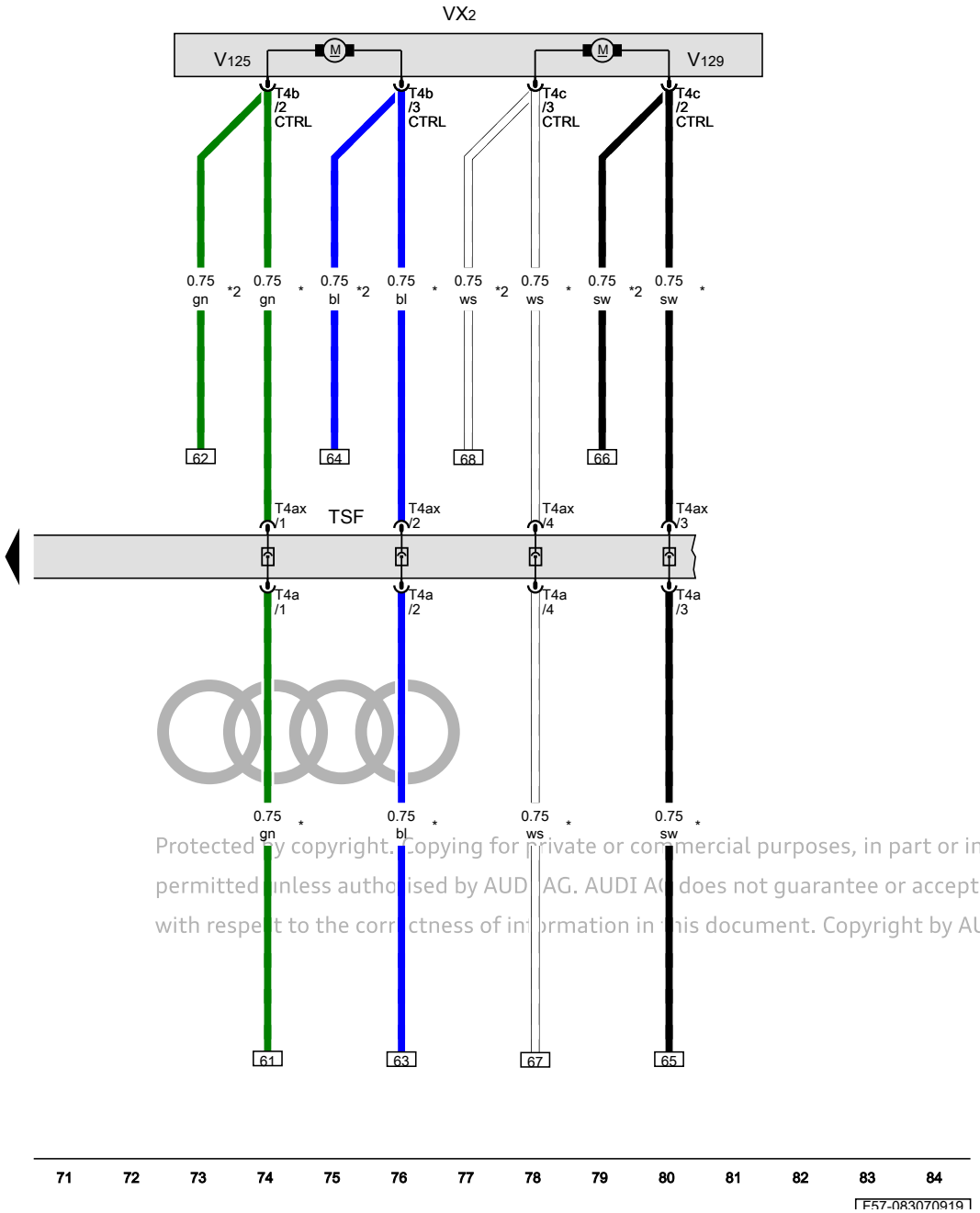

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Lumbar support for driver seat, Driver seat lumbar support longitudinal adjustment motor, Driver seat lumbar support height adjustment motor

T4a	4-pin connector, black
T4ax	4-pin connector, black
T4b	4-pin connector, black
T4c	4-pin connector, black
TSF	Coupling point for driver seat backrest
VX2	Lumbar support for driver seat
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor
*	For models with no seat heating
*2	For models with seat heating

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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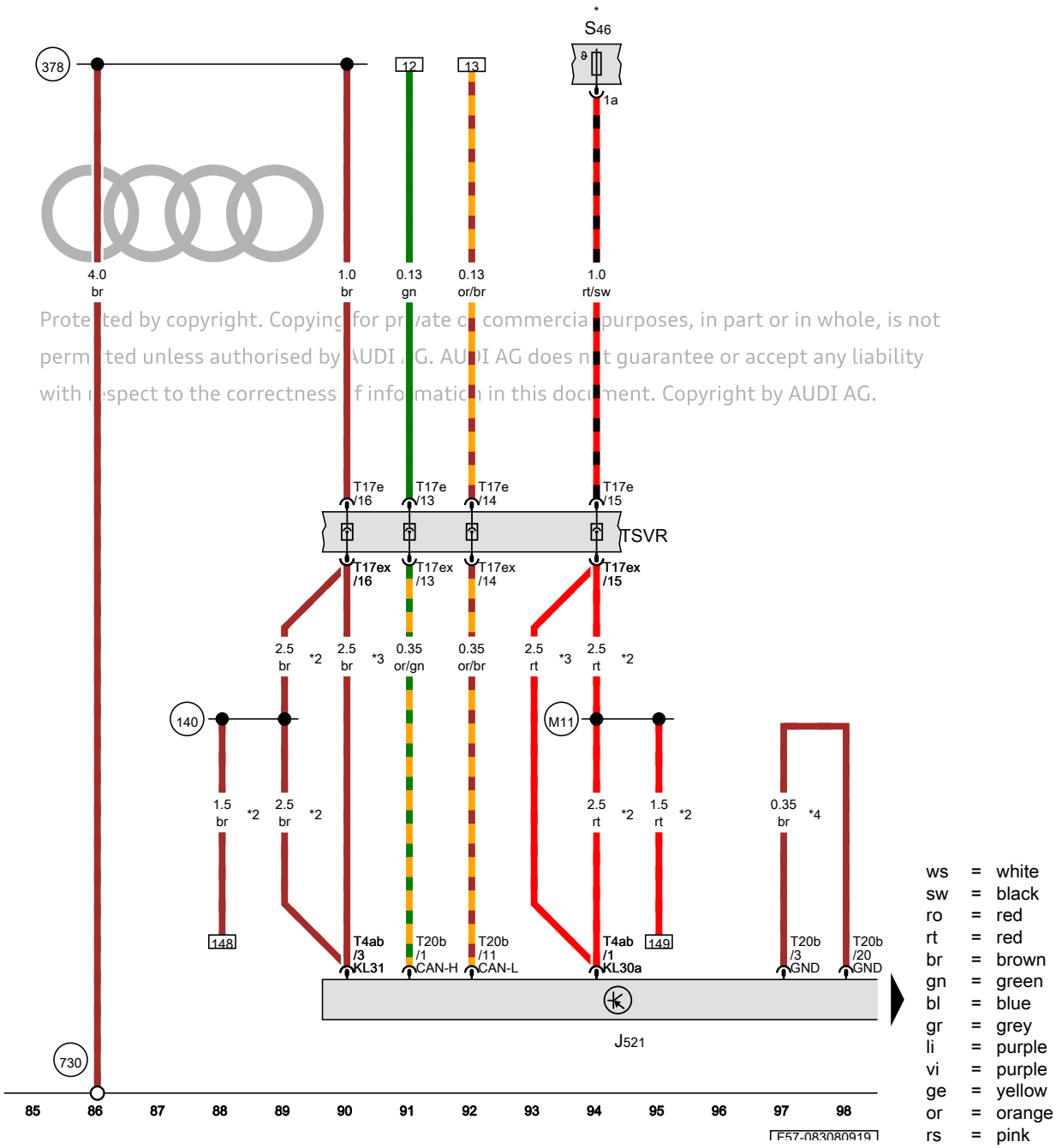

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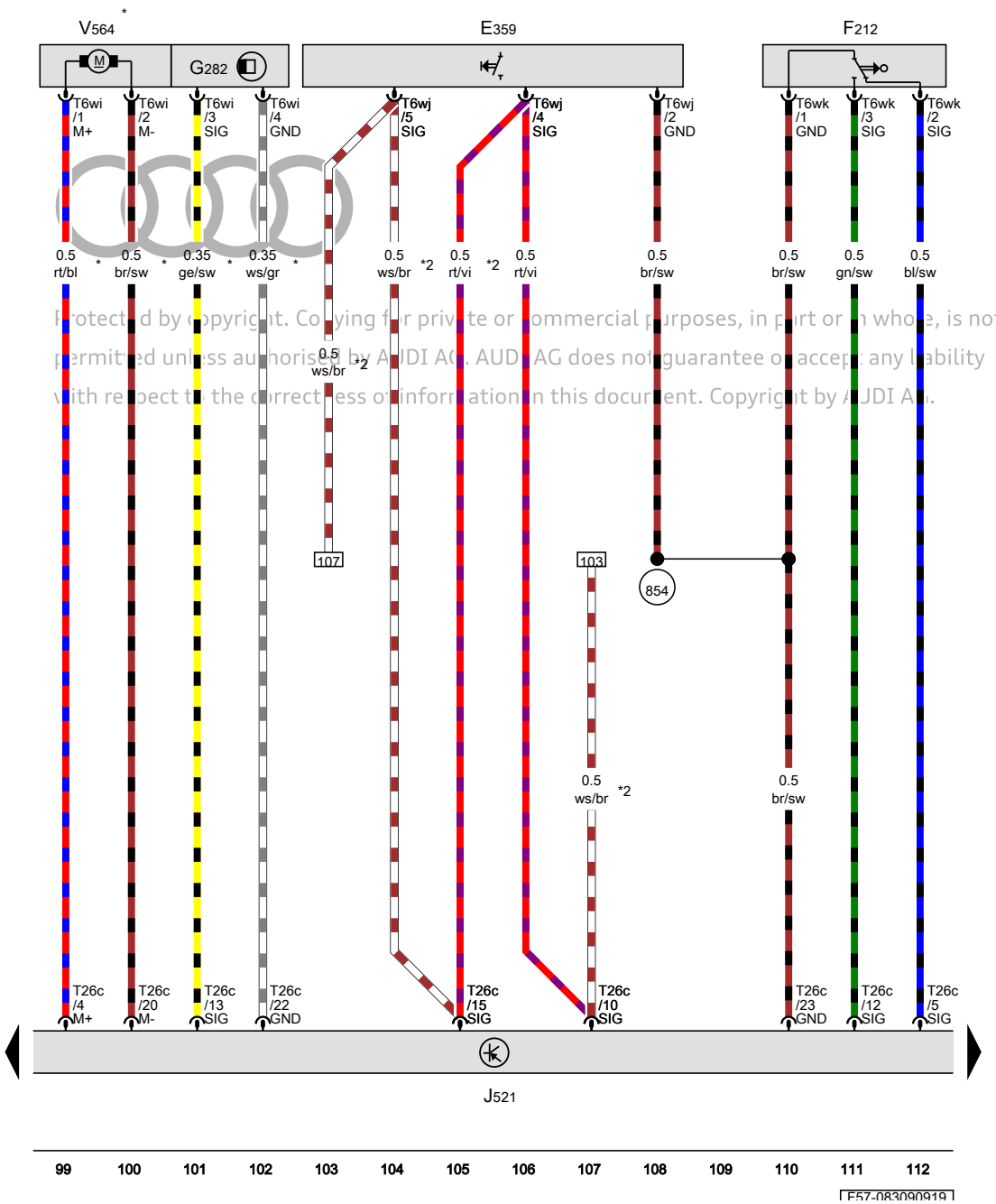
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Front passenger seat adjustment with memory control unit, Front passenger seat adjustment thermal fuse 1

J521	Front passenger seat adjustment with memory control unit
S46	Front passenger seat adjustment thermal fuse 1
T4ab	4-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
T20b	20-pin connector, black
TSVR	Coupling point for front right seat
140	Earth connection 2, in seat adjustment wiring harness
378	Earth connection 13, in main wiring harness
730	Earth point 1, on right rear wheel housing
M11	Connection 2, in driver seat adjustment wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with adjustable lumbar support
*3	For models with no adjustable lumbar support
*4	Coding wire for front passenger seat



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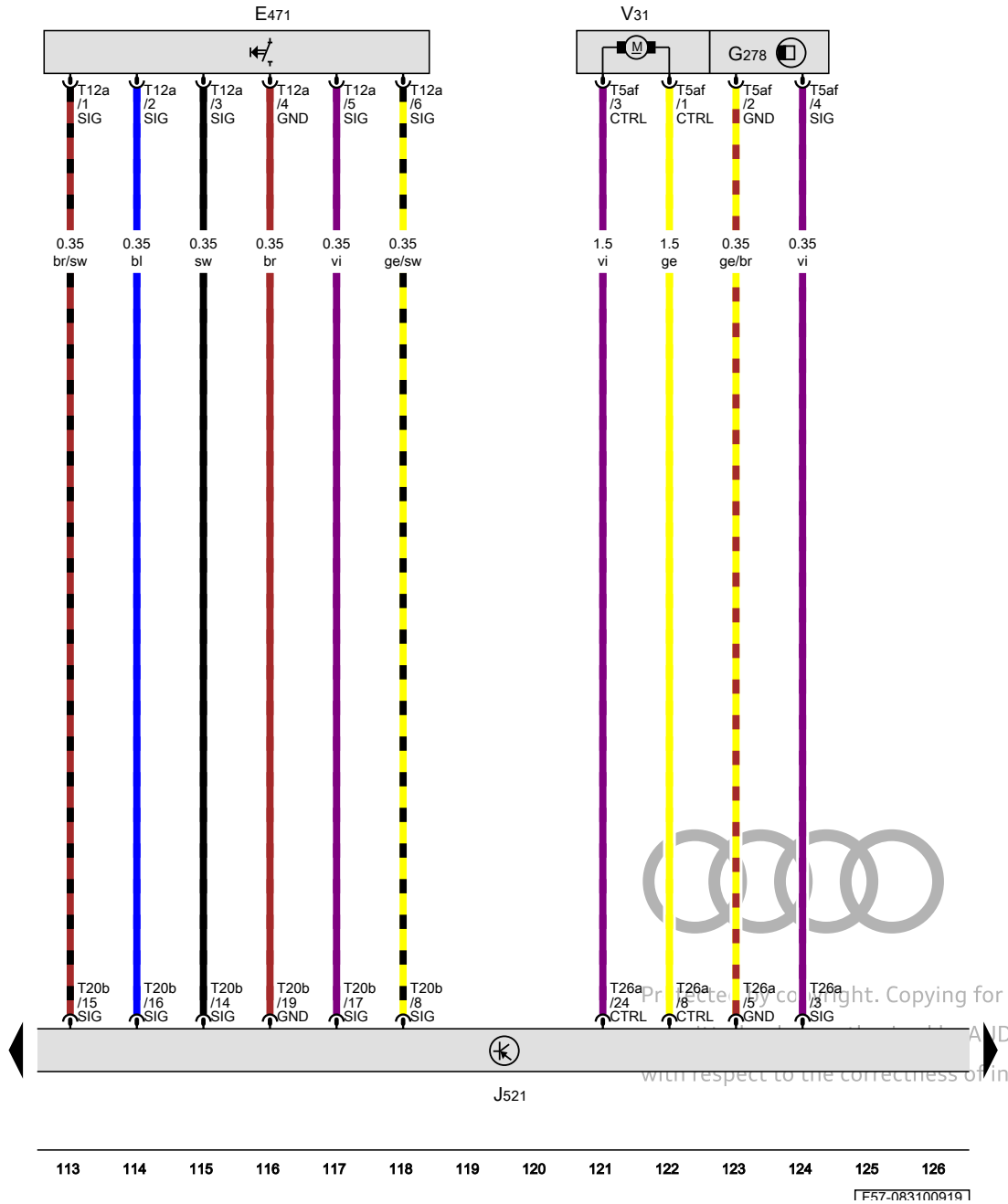
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Easy entry button on front passenger side, Front passenger seat backrest locking switch, Head restraint height adjustment sender for front passenger seat, Front passenger seat adjustment with memory control unit, Head restraint height adjustment motor for front passenger seat

E359	Easy entry button on front passenger side
F212	Front passenger seat backrest locking switch
G282	Head restraint height adjustment sender for front passenger seat
J521	Front passenger seat adjustment with memory control unit
T6wi	6-pin connector, black
T6wj	6-pin connector, black
T6wk	6-pin connector, black
T26c	26-pin connector, blue
V564	Head restraint height adjustment motor for front passenger seat
854	Earth connection 7, in seat adjustment wiring harness
*	For models with electric head restraint adjustment
*2	According to equipment



Front passenger seat adjustment operating unit, Longitudinal adjustment sender for front passenger seat, Front passenger seat adjustment with memory control unit, Front passenger seat longitudinal adjustment motor

E471	Front passenger seat adjustment operating unit
G278	Longitudinal adjustment sender for front passenger seat
J521	Front passenger seat adjustment with memory control unit
T5af	5-pin connector, brown
T12a	12-pin connector, black
T20b	20-pin connector, black
T26a	26-pin connector, white
V31	Front passenger seat longitudinal adjustment motor

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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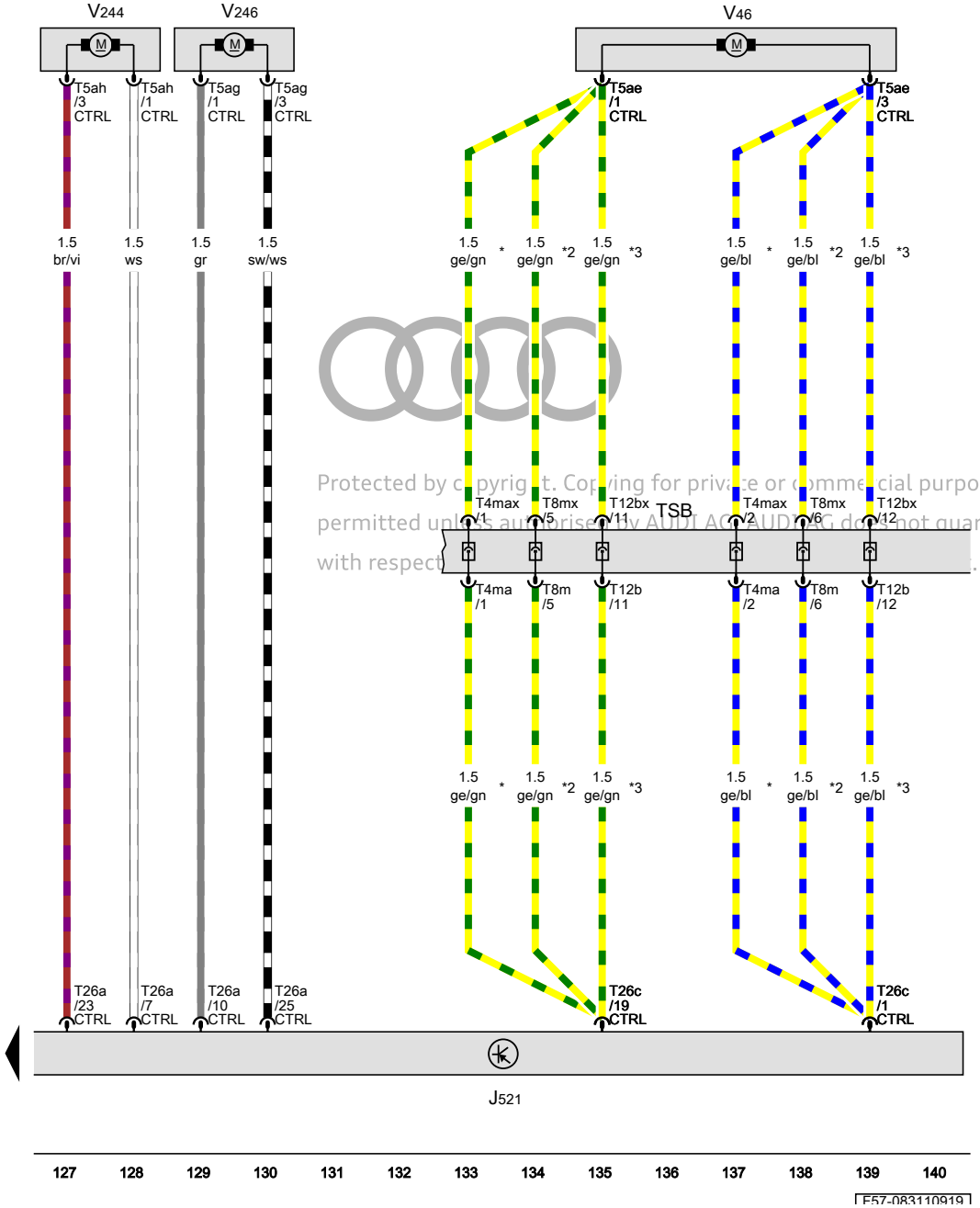
Front passenger seat adjustment with memory control unit, Front passenger seat backrest adjustment motor, Front passenger seat rake adjustment motor, Front passenger seat height adjustment motor



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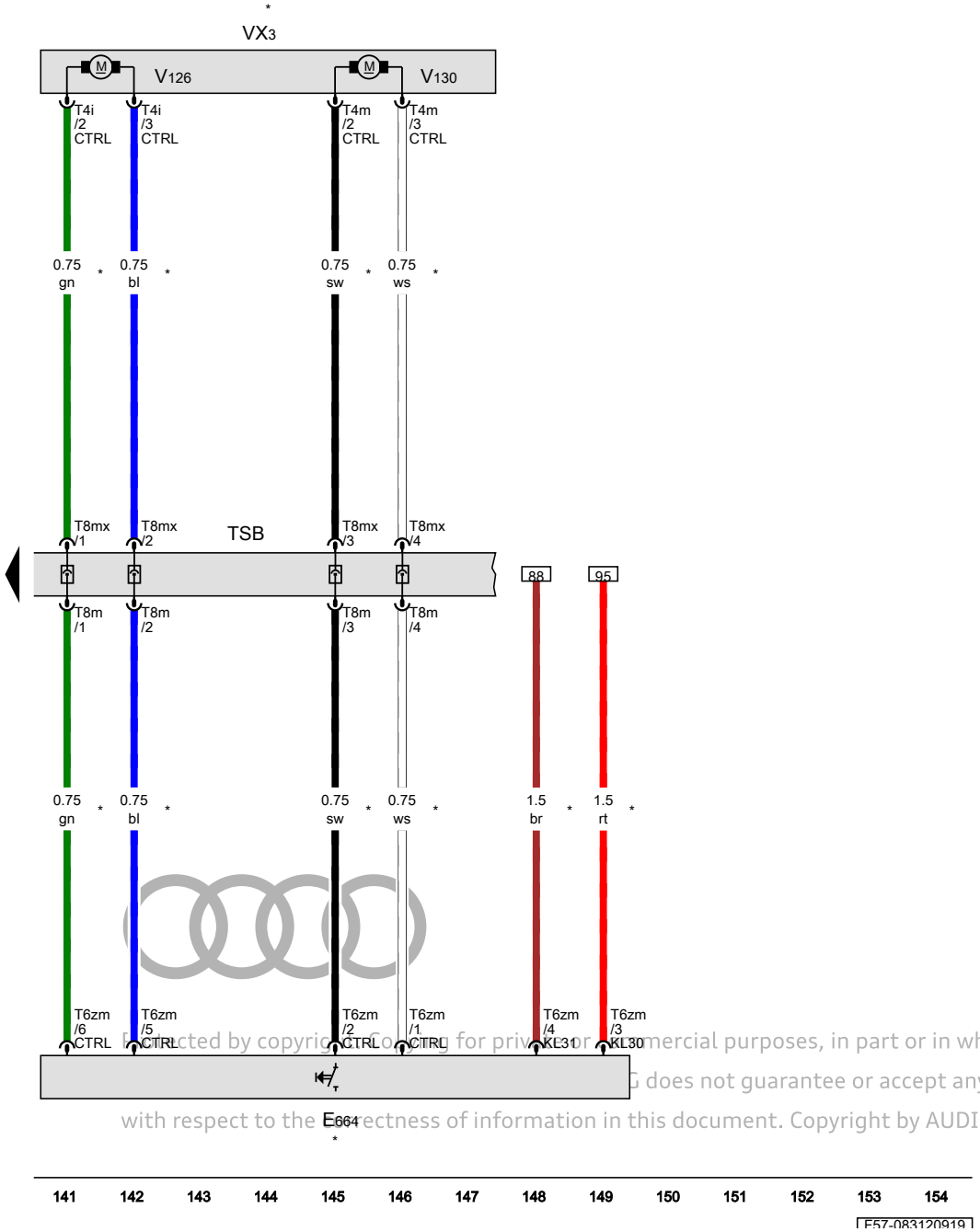
J521	Front passenger seat adjustment with memory control unit
T4ma	4-pin connector, black
T4max	4-pin connector, black
T5ae	5-pin connector, brown
T5ag	5-pin connector, brown
T5ah	5-pin connector, brown
T8m	8-pin connector, black
T8mx	8-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
T26a	26-pin connector, white
T26c	26-pin connector, blue
TSB	Coupling point for front passenger seat backrest
V46	Front passenger seat backrest adjustment motor
V244	Front passenger seat rake adjustment motor
V246	Front passenger seat height adjustment motor
*	For models with no adjustable lumbar support
*2	For models with adjustable lumbar support
*3	For models with seat ventilation

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Switch module for front passenger seat, Lumbar support for front passenger seat, Front passenger seat lumbar support longitudinal adjustment motor, Front passenger seat lumbar support height adjustment motor

E664	Switch module for front passenger seat
T4i	4-pin connector, black
T4m	4-pin connector, black
T6zm	6-pin connector, white
T8m	8-pin connector, black
T8mx	8-pin connector, black
TSB	Coupling point for front passenger seat backrest
VX3	Lumbar support for front passenger seat
V126	Front passenger seat lumbar support longitudinal adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
*	For models with adjustable lumbar support

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Adjustable driver and front passenger seats , (3L4),(3L5),(8I6)

From July 2016

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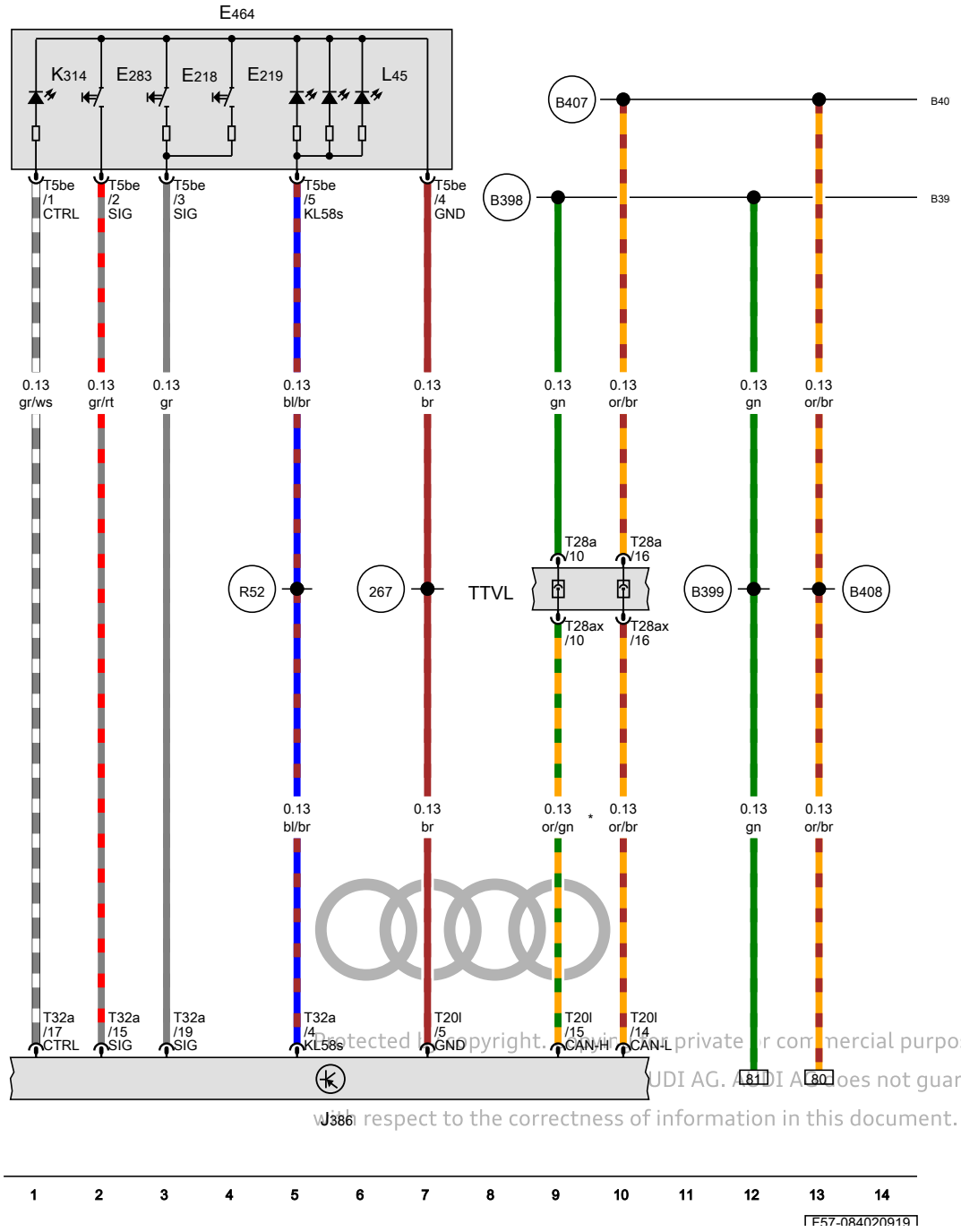

Driver operating unit for memory settings, Driver door control unit

E218	Seat memory position button 1
E219	Seat memory position button 2
E283	Driver seat memory function button
E464	Driver operating unit for memory settings
J386	Driver door control unit
K314	Warning lamp for driver seat with memory function
L45	Memory operating unit illumination bulb
T5be	5-pin connector, black
T20l	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
T32a	32-pin connector, blue
TTVL	Coupling point for front left door
267	Earth connection 2, in drive side door wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
R52	Connection (58s), in driver side door wiring harness
*	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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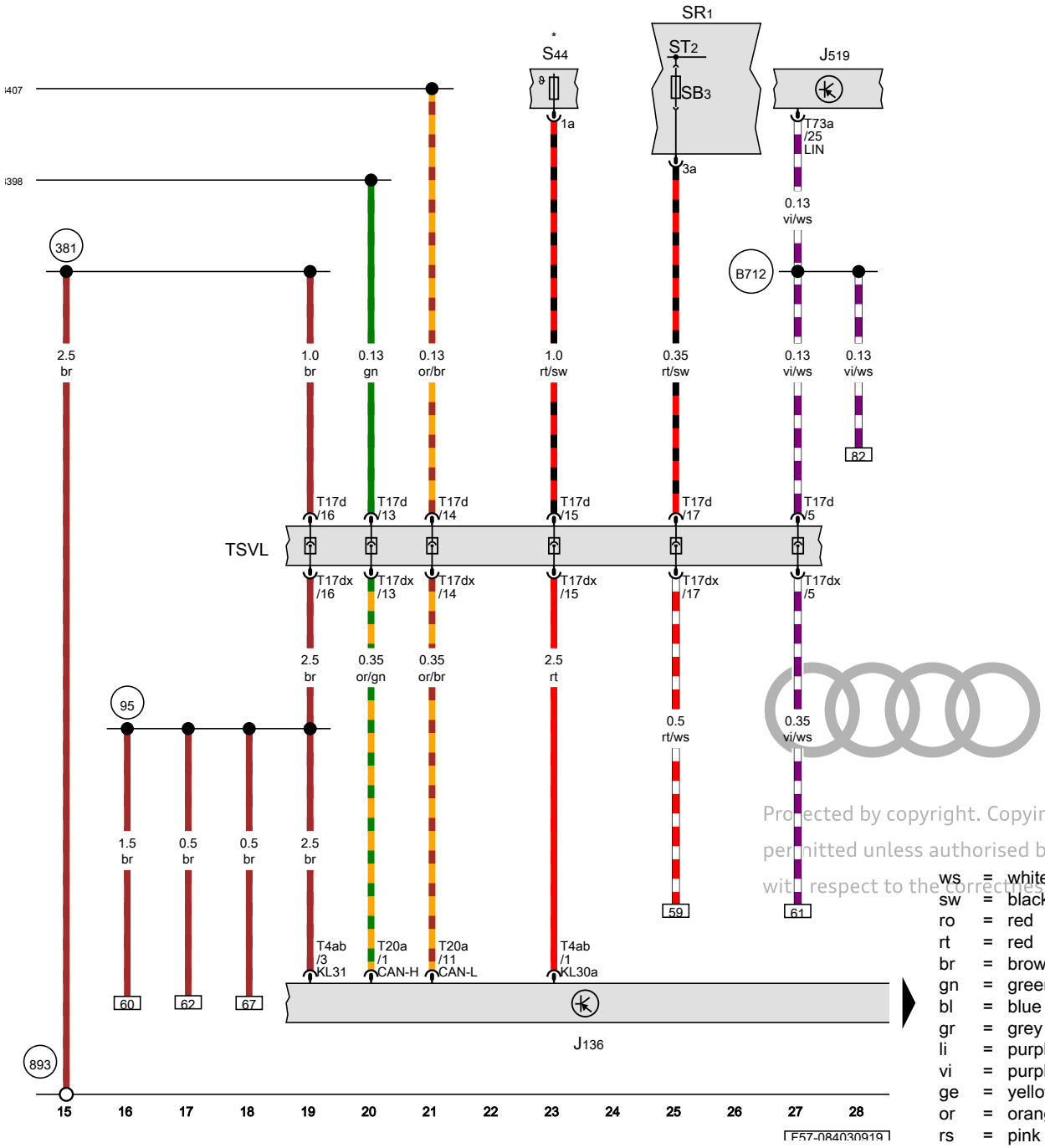

Seat and steering column adjustment control unit with memory, Onboard supply control unit, Driver seat adjustment thermal fuse 1

J136	Seat and steering column adjustment control unit with memory
J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
S44	Driver seat adjustment thermal fuse 1
T4ab	4-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T20a	20-pin connector, black
T73a	73-pin connector, black
TSVL	Coupling point for front left seat
95	Earth connection 1, in seat adjustment wiring harness
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B712	Connection 7 (LIN bus) in main wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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ge	=	yellow
or	=	orange
rs	=	pink

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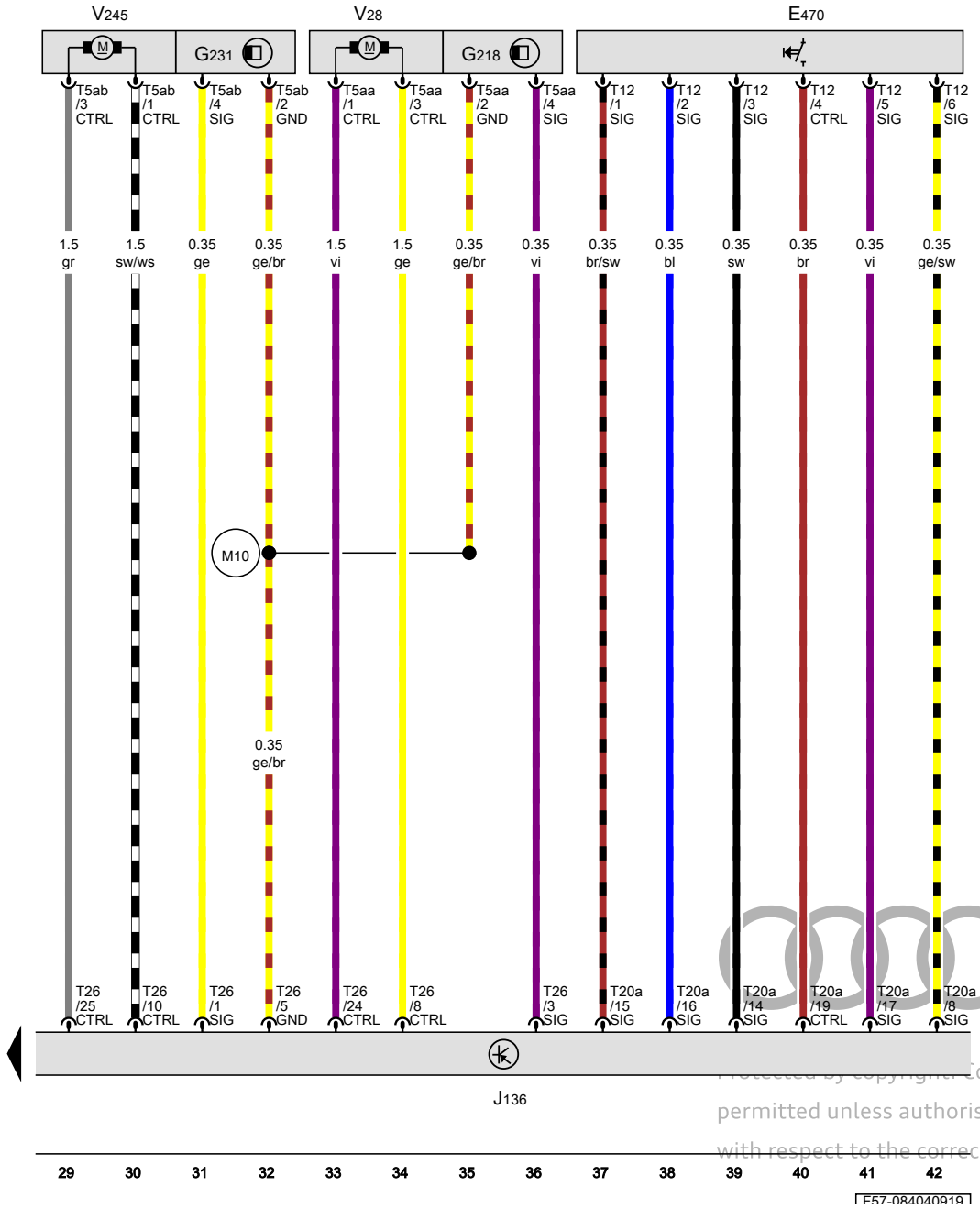

Driver seat adjustment operating unit, Longitudinal adjustment sender for driver seat, Height adjustment sender for driver seat, Seat and steering column adjustment control unit with memory, Driver seat longitudinal adjustment motor

E470	Driver seat adjustment operating unit
G218	Longitudinal adjustment sender for driver seat
G231	Height adjustment sender for driver seat
J136	Seat and steering column adjustment control unit with memory
T5aa	5-pin connector, brown
T5ab	5-pin connector, brown
T12	12-pin connector, black
T20a	20-pin connector, black
T26	26-pin connector, white
V28	Driver seat longitudinal adjustment motor
V245	Driver seat height adjustment motor
M10	Connection 1, in driver seat adjustment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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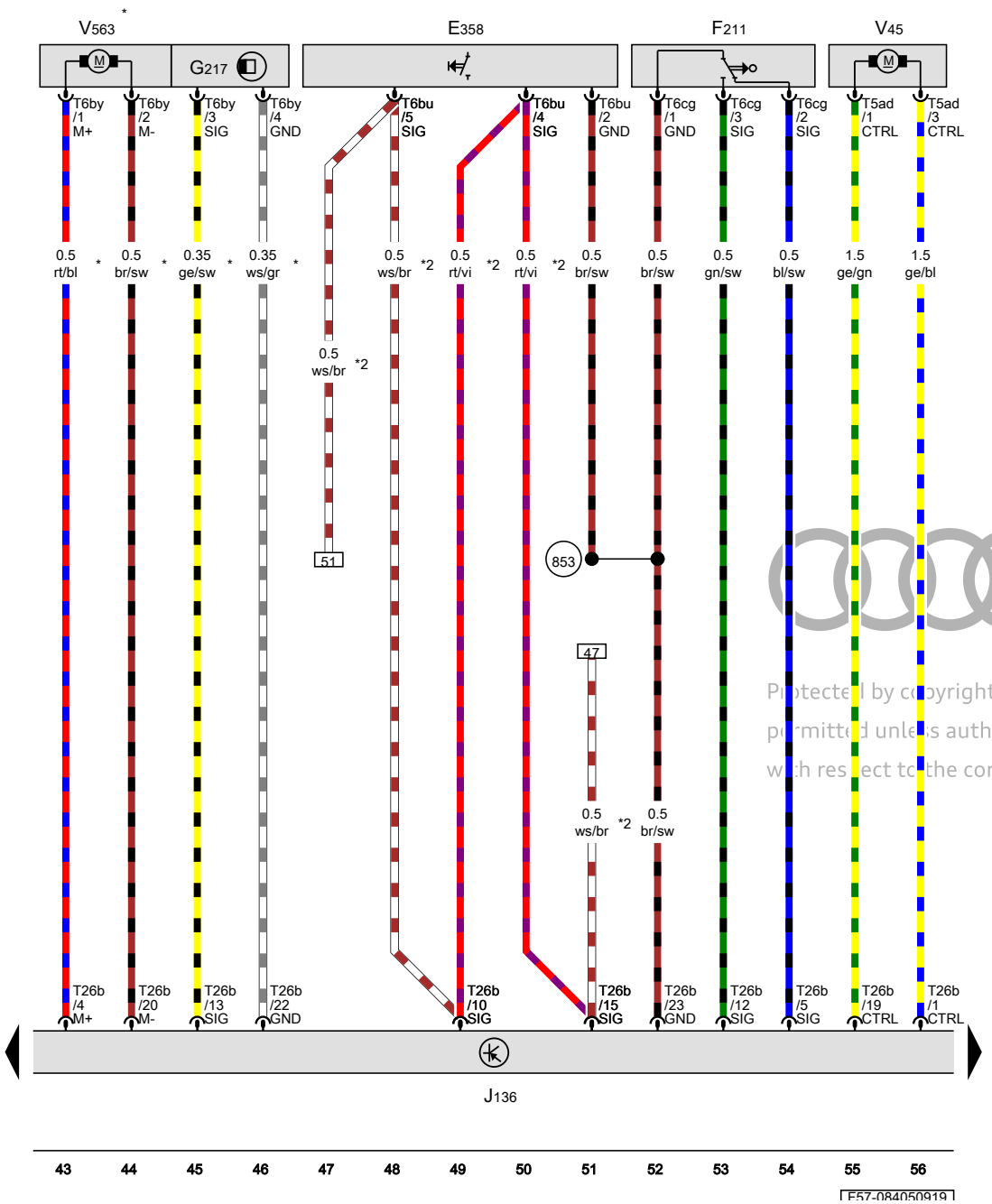

Easy entry button on driver side, Driver seat backrest locking switch, Head restraint height adjustment sender for driver seat, Seat and steering column adjustment control unit with memory, Driver seat backrest adjustment motor, Head restraint height adjustment motor for driver seat

E358	Easy entry button on driver side
F211	Driver seat backrest locking switch
G217	Head restraint height adjustment sender for driver seat
J136	Seat and steering column adjustment control unit with memory
T5ad	5-pin connector, brown
T6bu	6-pin connector, black
T6by	6-pin connector, black
T6cg	6-pin connector, black
T26b	26-pin connector, blue
V45	Driver seat backrest adjustment motor
V563	Head restraint height adjustment motor for driver seat
853	Earth connection 6, in seat adjustment wiring harness
*	For models with electric head restraint adjustment
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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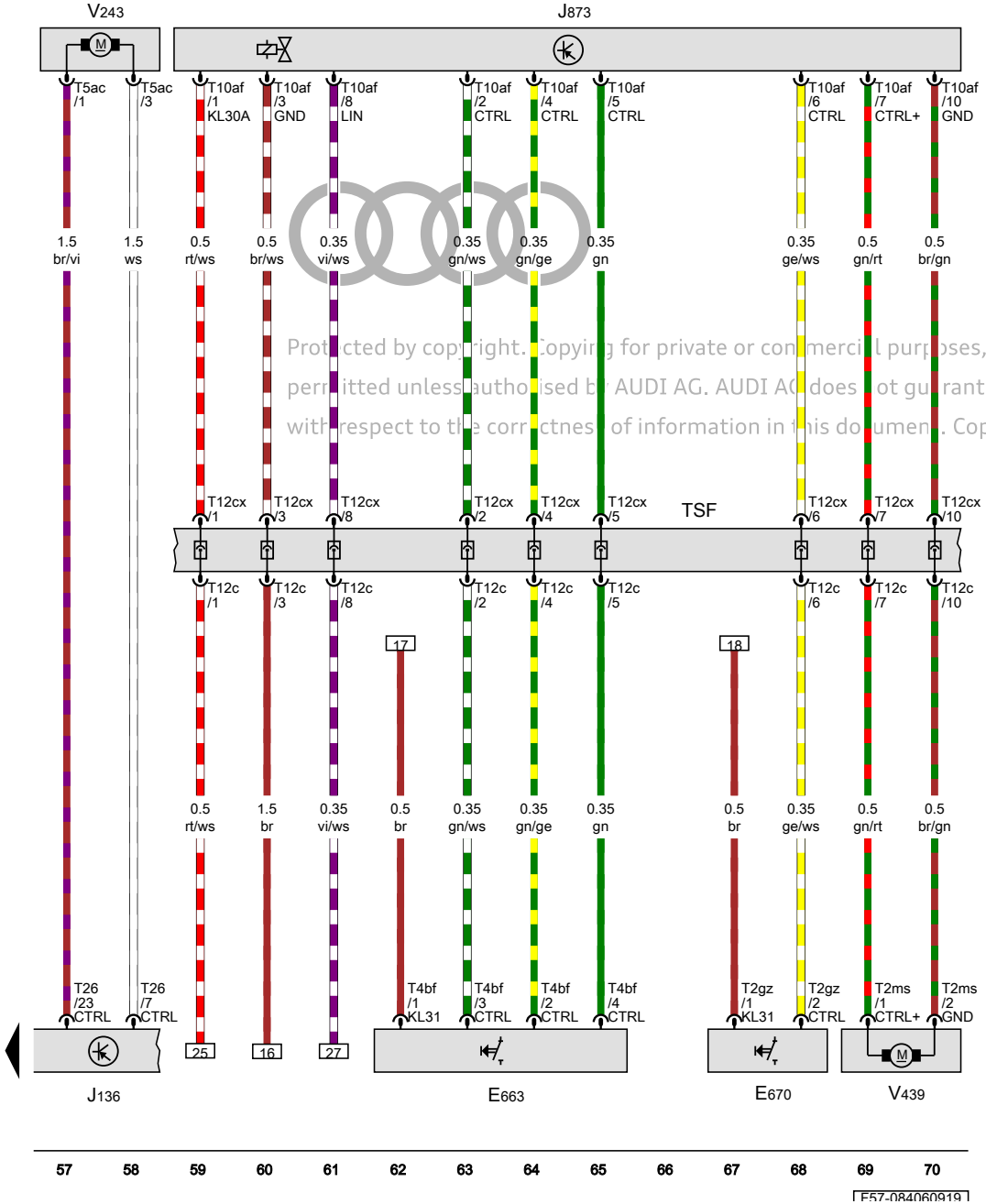

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Switch module for driver seat, Driver seat massage function button, Seat and steering column adjustment control unit with memory, Control unit for driver multicontour seat, Driver seat rake adjustment motor, Compressor for multicontour driver seat

E663	Switch module for driver seat
E670	Driver seat massage function button
J136	Seat and steering column adjustment control unit with memory
J873	Control unit for driver multicontour seat
T2gz	2-pin connector, black
T2ms	2-pin connector, black
T4bf	4-pin connector, brown
T5ac	5-pin connector, brown
T10af	10-pin connector, black
T12c	12-pin connector, black
T12cx	12-pin connector, black
T26	26-pin connector, white
TSF	Coupling point for driver seat backrest
V243	Driver seat rake adjustment motor
V439	Compressor for multicontour driver seat

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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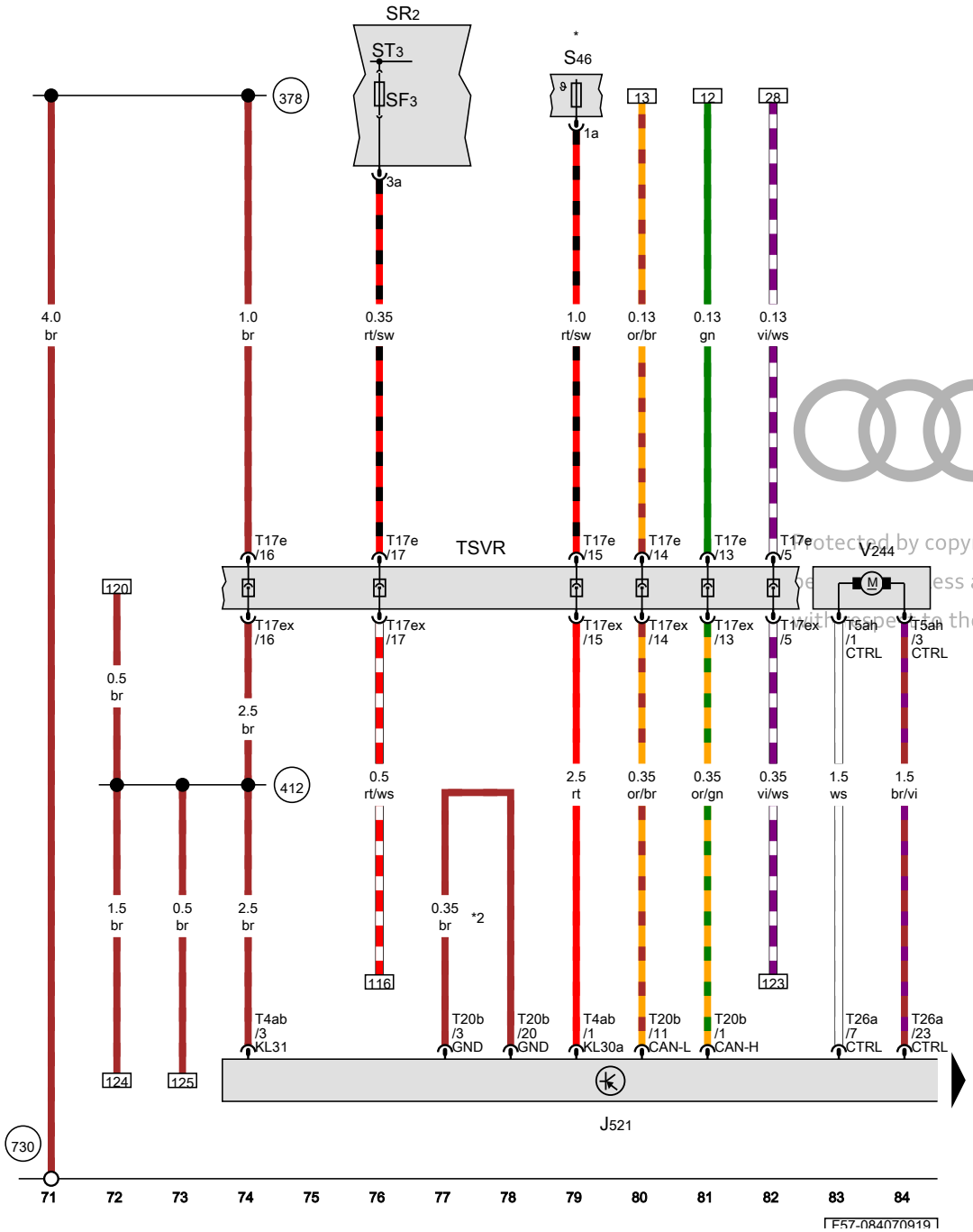

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Front passenger seat adjustment with memory control unit, Front passenger seat adjustment thermal fuse 1, Coupling point for front right seat, Front passenger seat rake adjustment motor

J521	Front passenger seat adjustment with memory control unit
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF3	Fuse 3 in fuse holder F
S46	Front passenger seat adjustment thermal fuse 1
T4ab	4-pin connector, black
T5ah	5-pin connector, brown
T17e	17-pin connector, red
T17ex	17-pin connector, red
T20b	20-pin connector, black
T26a	26-pin connector, white
TSVR	Coupling point for front right seat
V244	Front passenger seat rake adjustment motor
378	Earth connection 13, in main wiring harness
412	Earth connection 3, in seat adjustment wiring harness
730	Earth point 1, on right rear wheel housing
*	see applicable current flow diagram for fuse assignment
*2	Coding wire for front passenger seat

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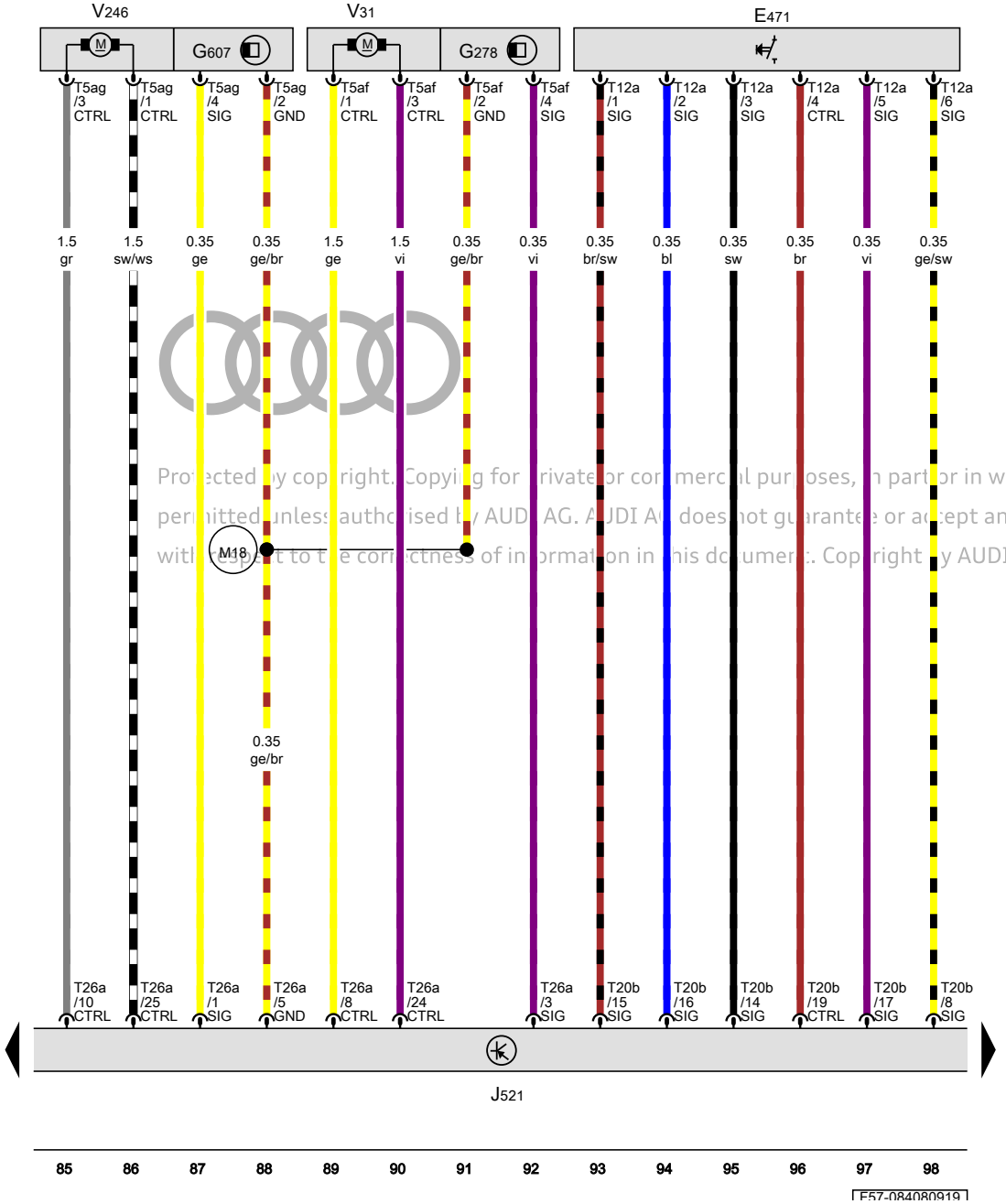

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gn = green
bl = blue
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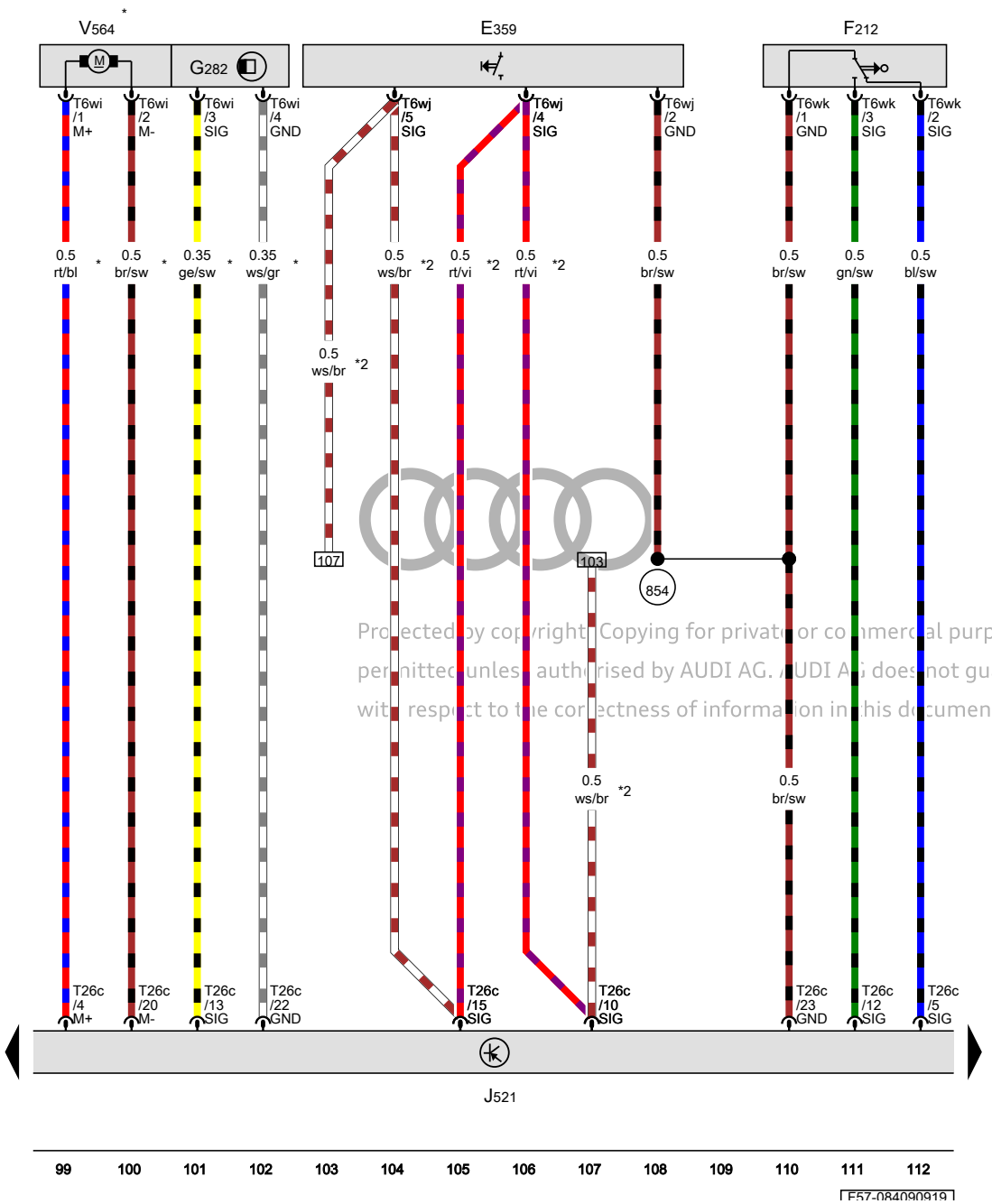
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Front passenger seat adjustment operating unit, Longitudinal adjustment sender for front passenger seat, Sender for height adjustment of front passenger seat, Front passenger seat adjustment with memory control unit, Front passenger seat longitudinal adjustment motor

E471	Front passenger seat adjustment operating unit
G278	Longitudinal adjustment sender for front passenger seat
G607	Sender for height adjustment of front passenger seat
J521	Front passenger seat adjustment with memory control unit
T5af	5-pin connector, brown
T5ag	5-pin connector, brown
T12a	12-pin connector, black
T20b	20-pin connector, black
T26a	26-pin connector, white
V31	Front passenger seat longitudinal adjustment motor
V246	Front passenger seat height adjustment motor
M18	Connection 1, in front passenger seat adjustment wiring harness



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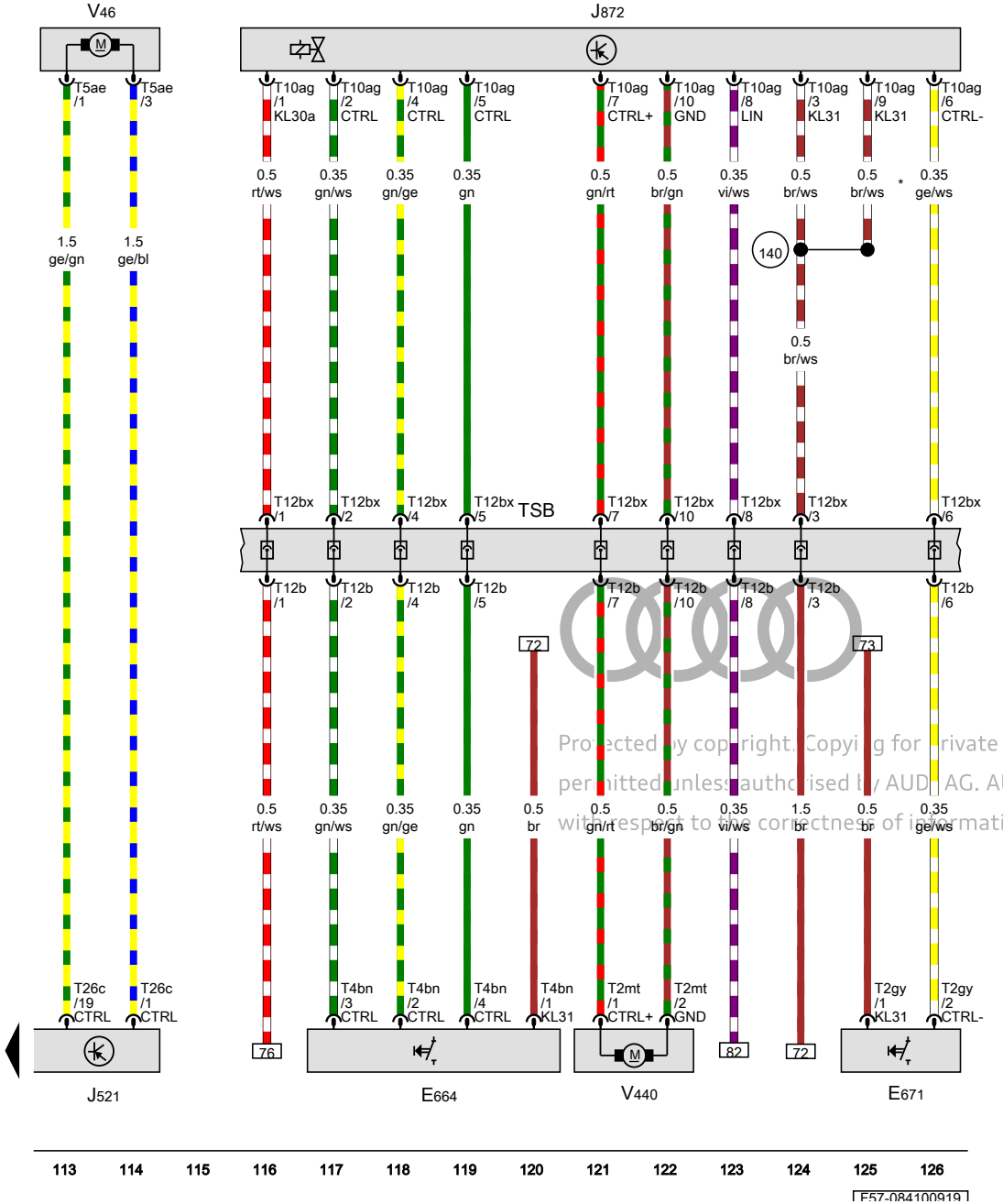
Easy entry button on front passenger side, Front passenger seat backrest locking switch, Head restraint height adjustment sender for front passenger seat, Front passenger seat adjustment with memory control unit, Head restraint height adjustment motor for front passenger seat

E359	Easy entry button on front passenger side
F212	Front passenger seat backrest locking switch
G282	Head restraint height adjustment sender for front passenger seat
J521	Front passenger seat adjustment with memory control unit
T6wi	6-pin connector, black
T6wj	6-pin connector, black
T6wk	6-pin connector, black
T26c	26-pin connector, blue
V564	Head restraint height adjustment motor for front passenger seat
854	Earth connection 7, in seat adjustment wiring harness
*	For models with electric head restraint adjustment
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Switch module for front passenger seat, Front passenger seat massage function button, Front passenger seat adjustment with memory control unit, Control unit for front passenger multicontour seat, Compressor for multicontour front passenger seat

E664	Switch module for front passenger seat
E671	Front passenger seat massage function button
J521	Front passenger seat adjustment with memory control unit
J872	Control unit for front passenger multicontour seat
T2gy	2-pin connector, black
T2mt	2-pin connector, black
T4bn	4-pin connector, brown
T5ae	5-pin connector, brown
T10ag	10-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
T26c	26-pin connector, blue
TSB	Coupling point for front passenger seat backrest
V46	Front passenger seat backrest adjustment motor
V440	Compressor for multicontour front passenger seat
140	Earth connection 2, in seat adjustment wiring harness
*	Coding wire

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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2.0l petrol engine , DEMA,DHDA,DKYA,DEMB

From May 2017

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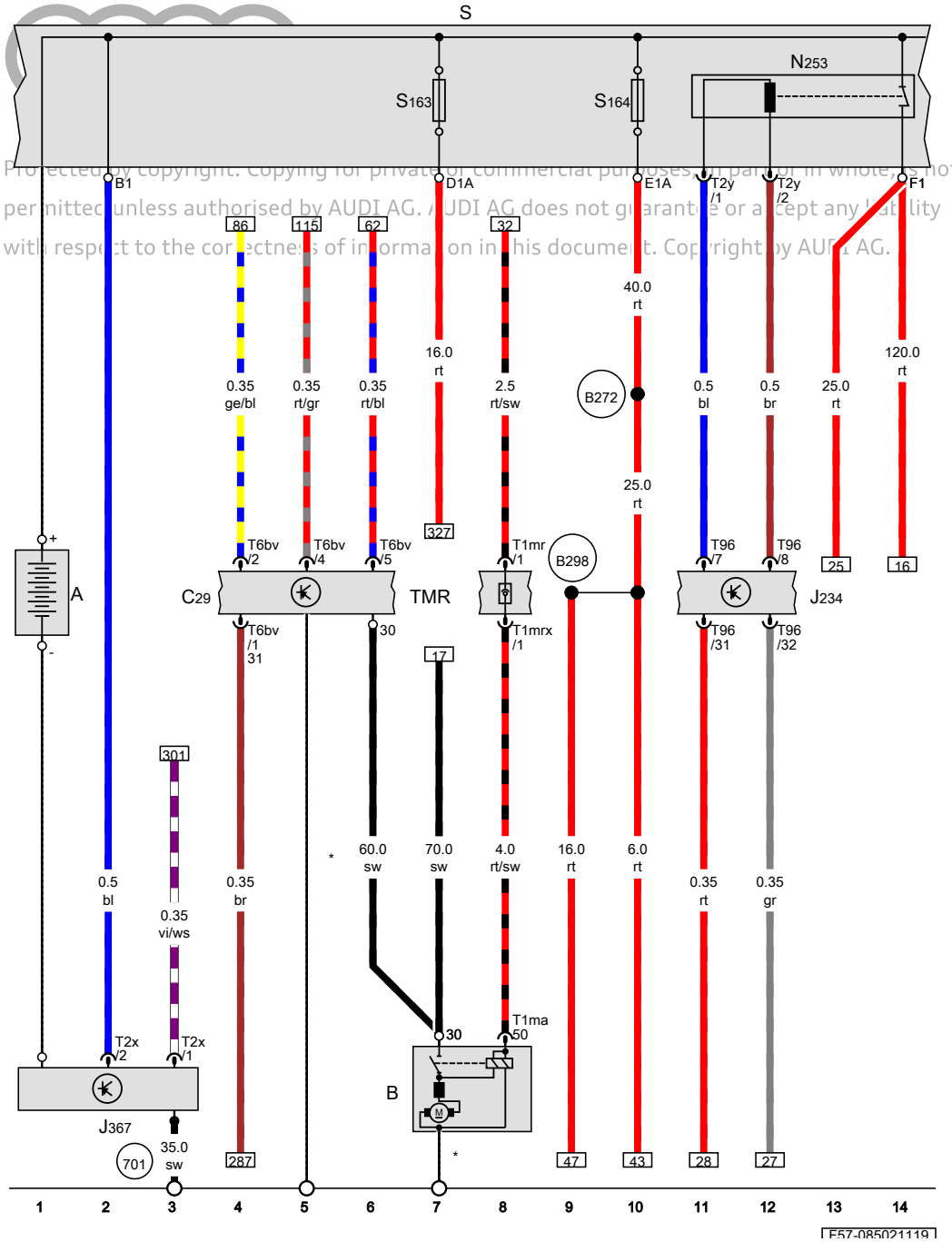
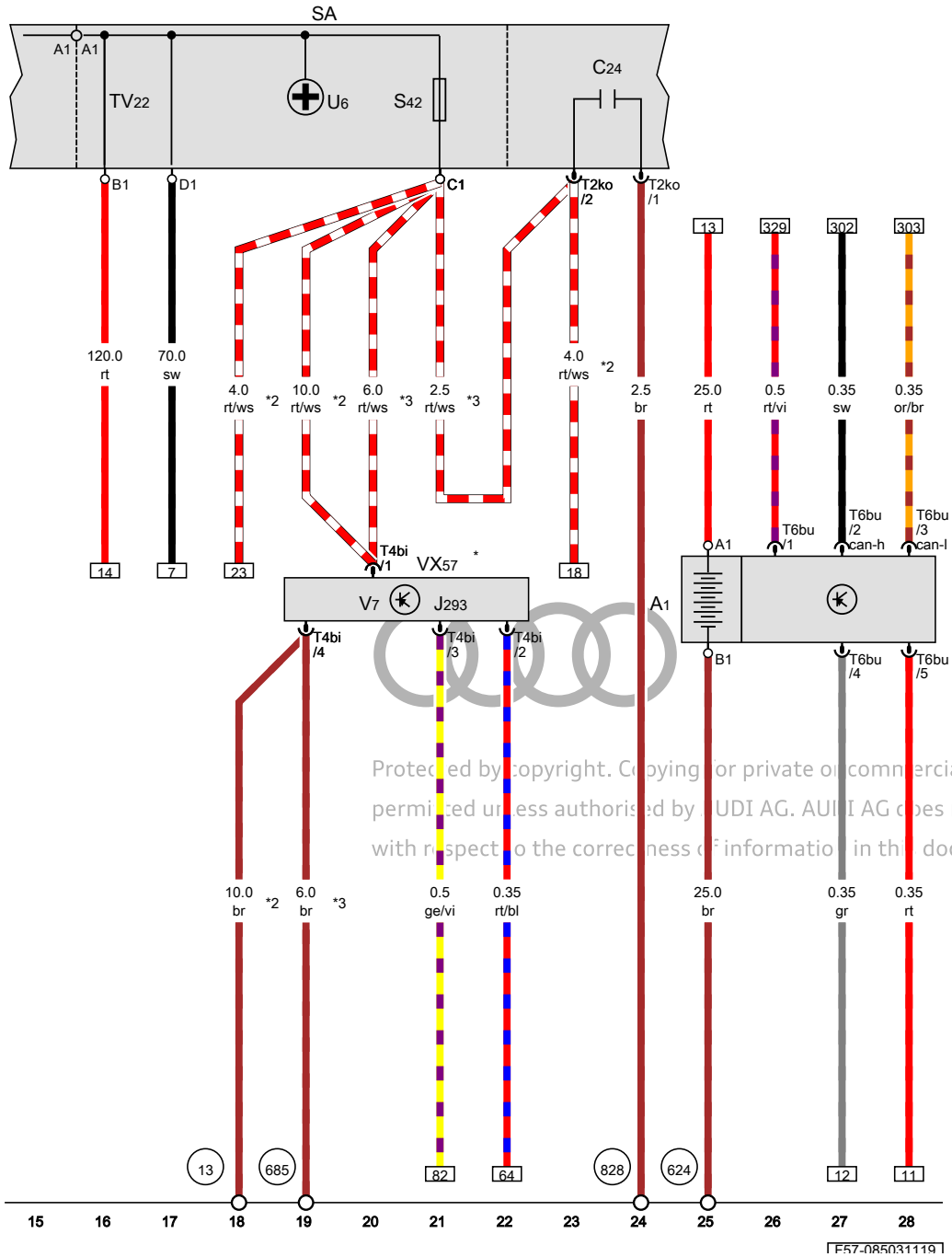


Battery, Starter, Starter-alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C29	Starter-alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T1mr	1-pin connector, black
T1mrx	1-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T6bv	6-pin connector, black
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
701	Earth point in luggage compartment
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Second battery, Fuse holder A, Jump start socket, Radiator fan

A1	Second battery
C24	Suppression filter
J293	Radiator fan control unit
S42	Radiator fan single fuse
SA	Fuse holder A, front right in engine compartment
T2ko	2-pin connector, black
T4bi	4-pin connector, black
T6bu	6-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
13	Earth point, on right in engine compartment
624	Earth point, starter battery
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with increased fan output
*3	For models with low fan output

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
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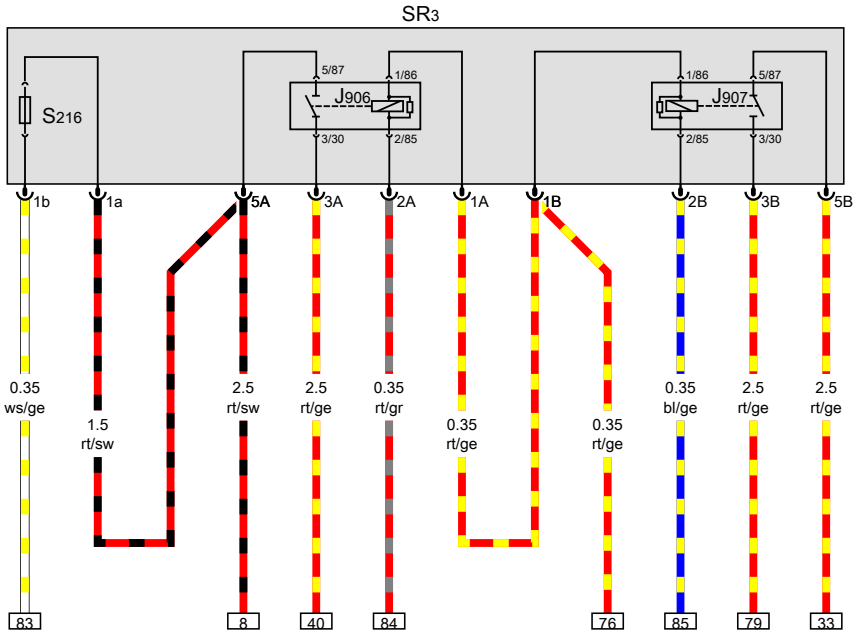

Starter relay 1, Starter relay 2, Relay and fuse carrier 3, Fuse (50)

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S216	Fuse (50), central in plenum chamber

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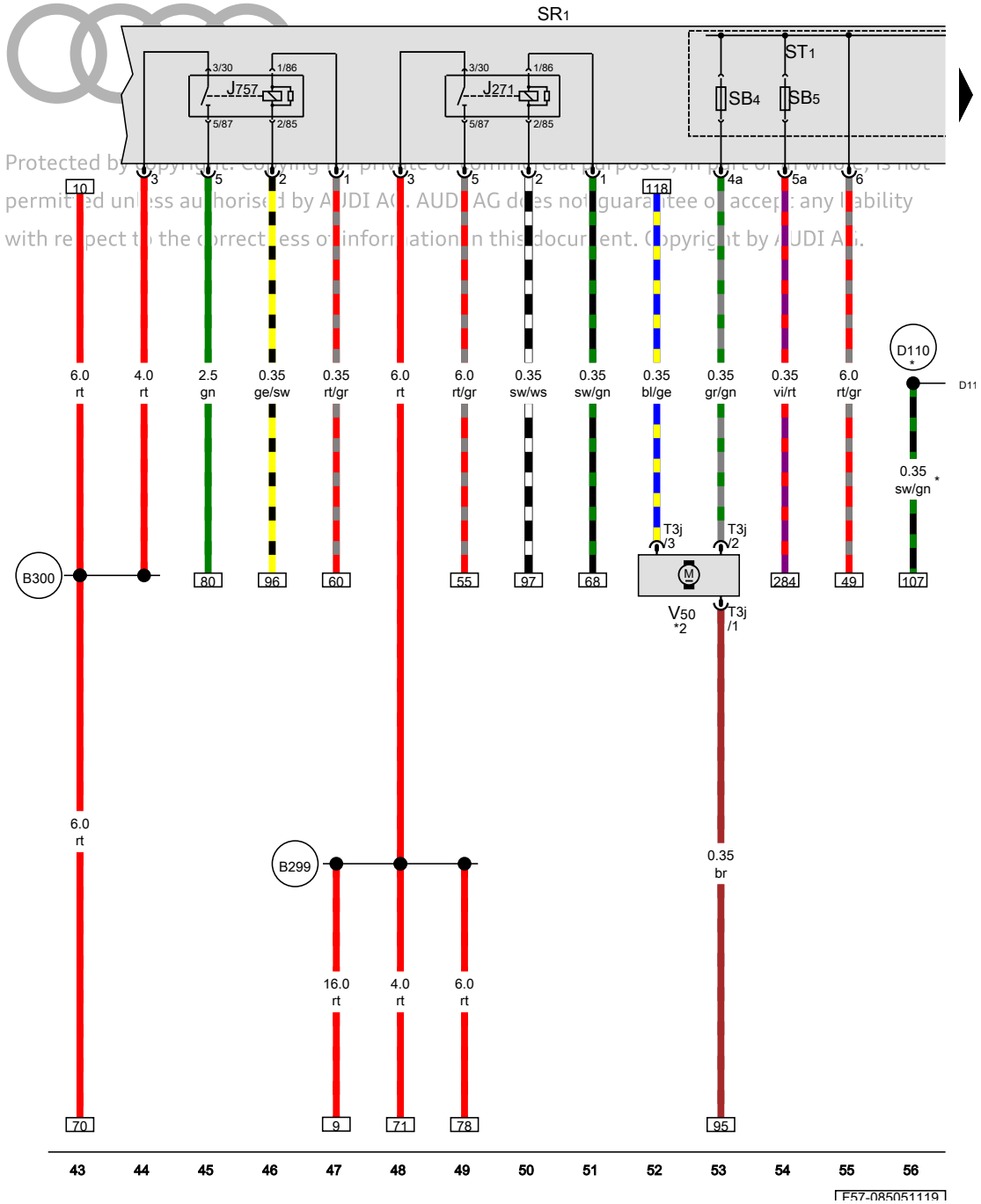

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Main relay, Engine component current supply relay, Relay and fuse carrier 1, Coolant circulation pump

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
T3j	3-pin connector, black
V50	Coolant circulation pump
B299	Positive connection 3 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	Heater support function

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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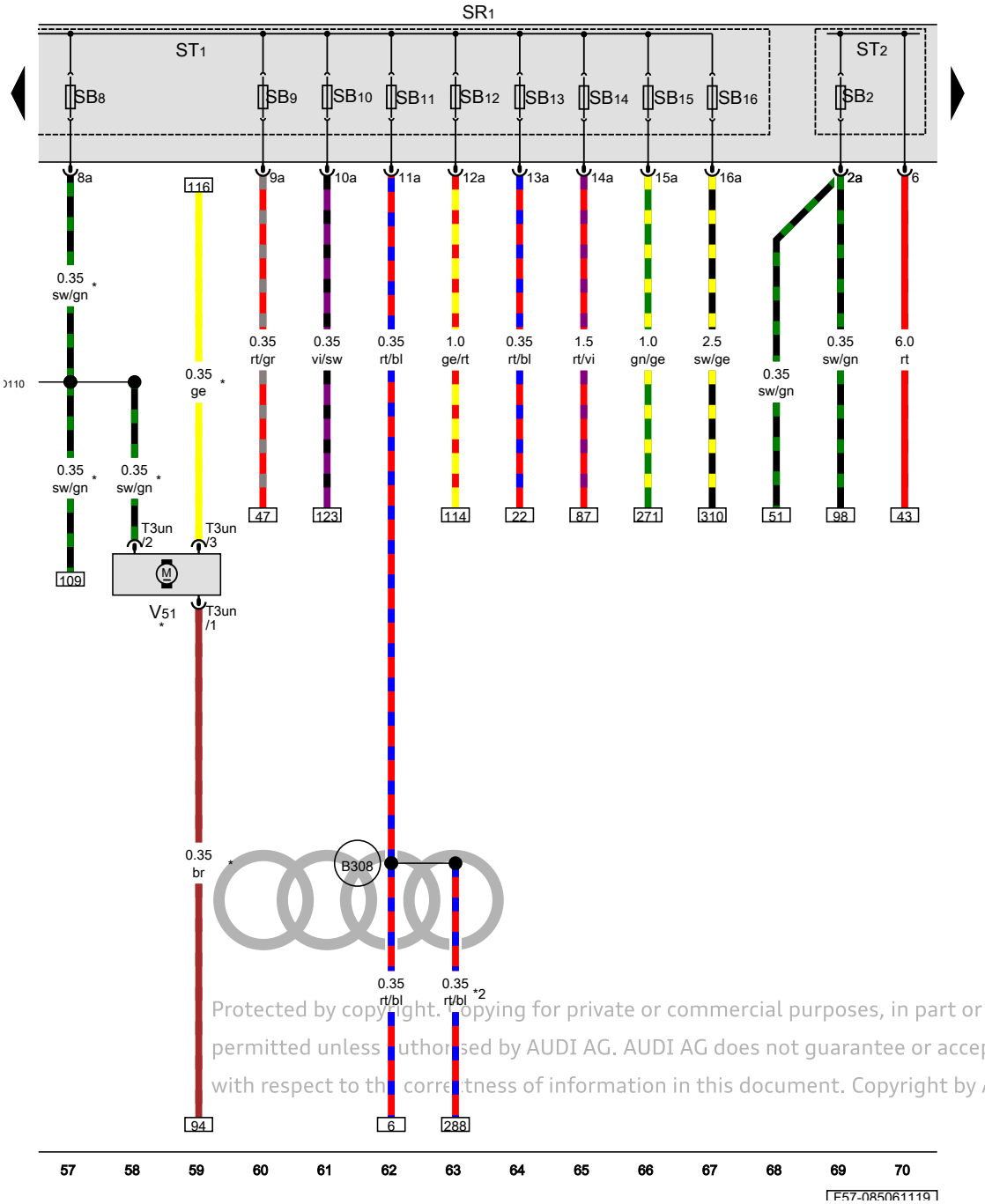

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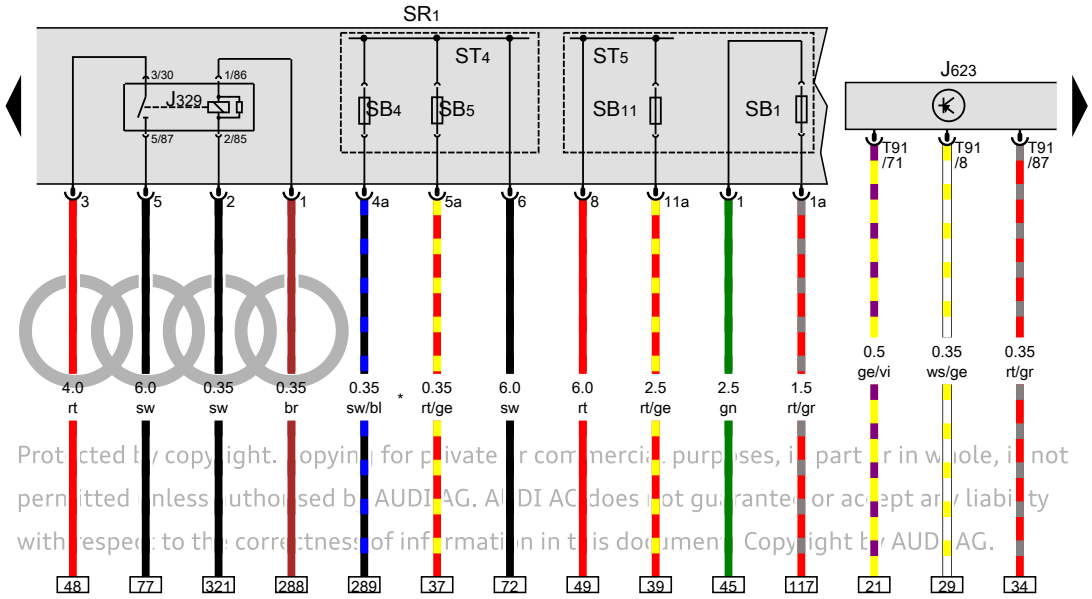
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Relay and fuse carrier 1, Continued coolant circulation pump

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
T3un	3-pin connector, black
V51	Continued coolant circulation pump
B308	Positive connection 12 (30), in main wiring harness
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	For models with manual gearbox



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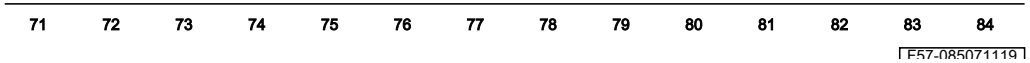

Terminal 15 voltage supply relay, Engine/motor control unit, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
J623	Engine/motor control unit, front left in engine compartment
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5, red
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
T91	91-pin connector, black
*	For models with manual gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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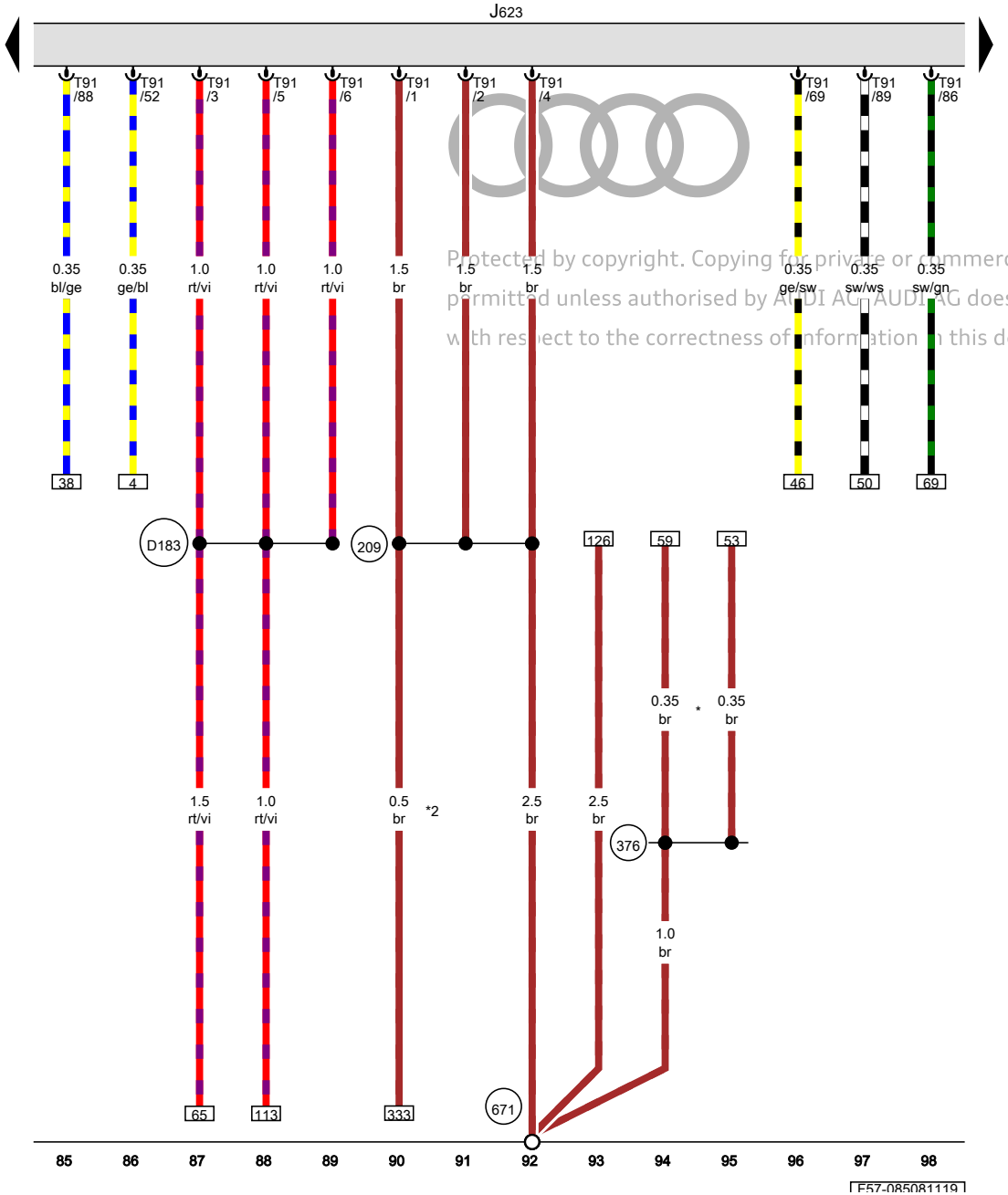

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Engine/motor control unit

J623	Engine/motor control unit, front left in engine compartment
T91	91-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
*	For models with automatic gearbox
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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gr	=	grey
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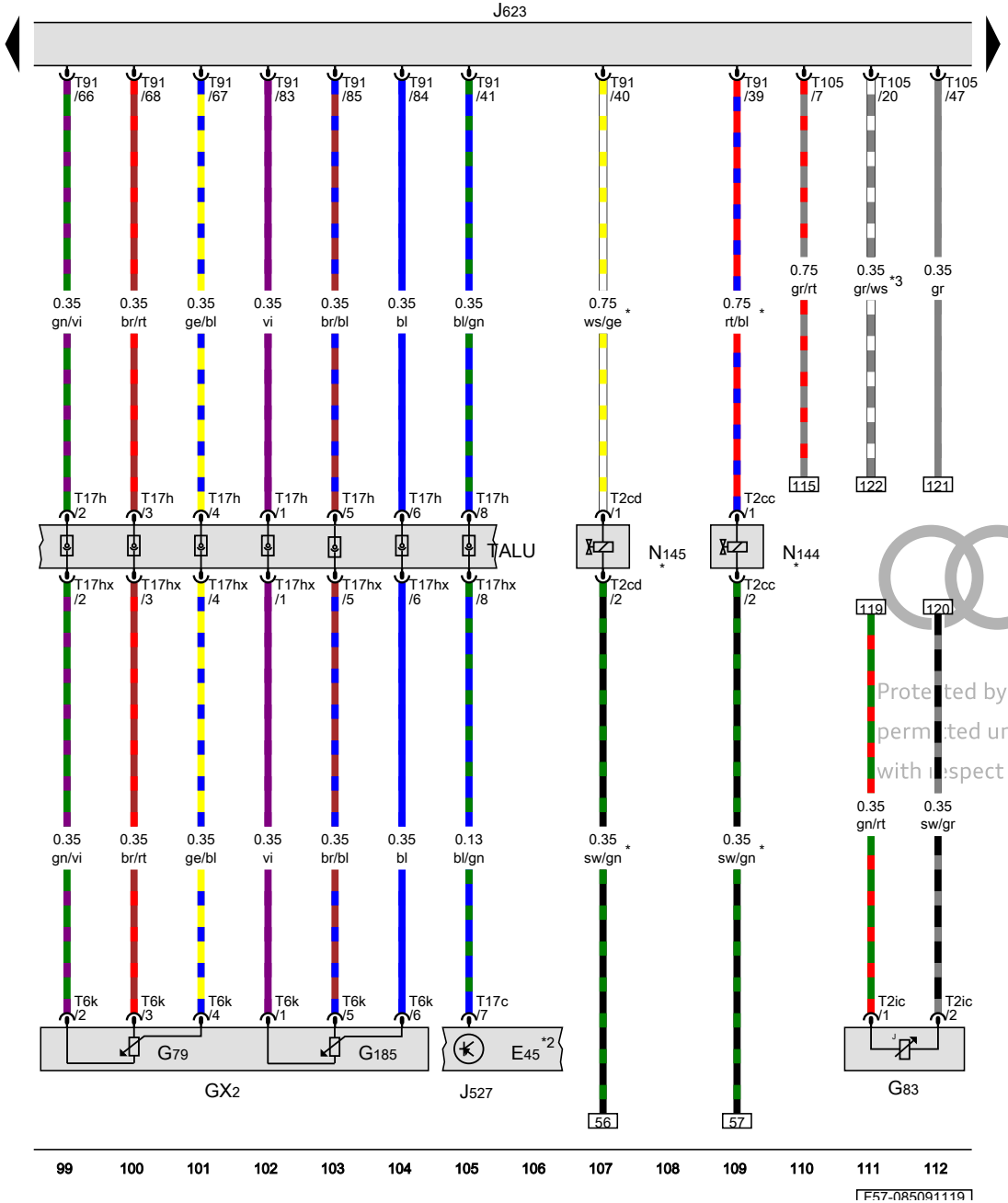

Accelerator pedal module, Radiator outlet coolant temperature sender, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G83	Radiator outlet coolant temperature sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T2ic	2-pin connector, black
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
T105	105-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with automatic gearbox
*2	For models with cruise control system (CCS)
*3	Wiring colour depends on equipment

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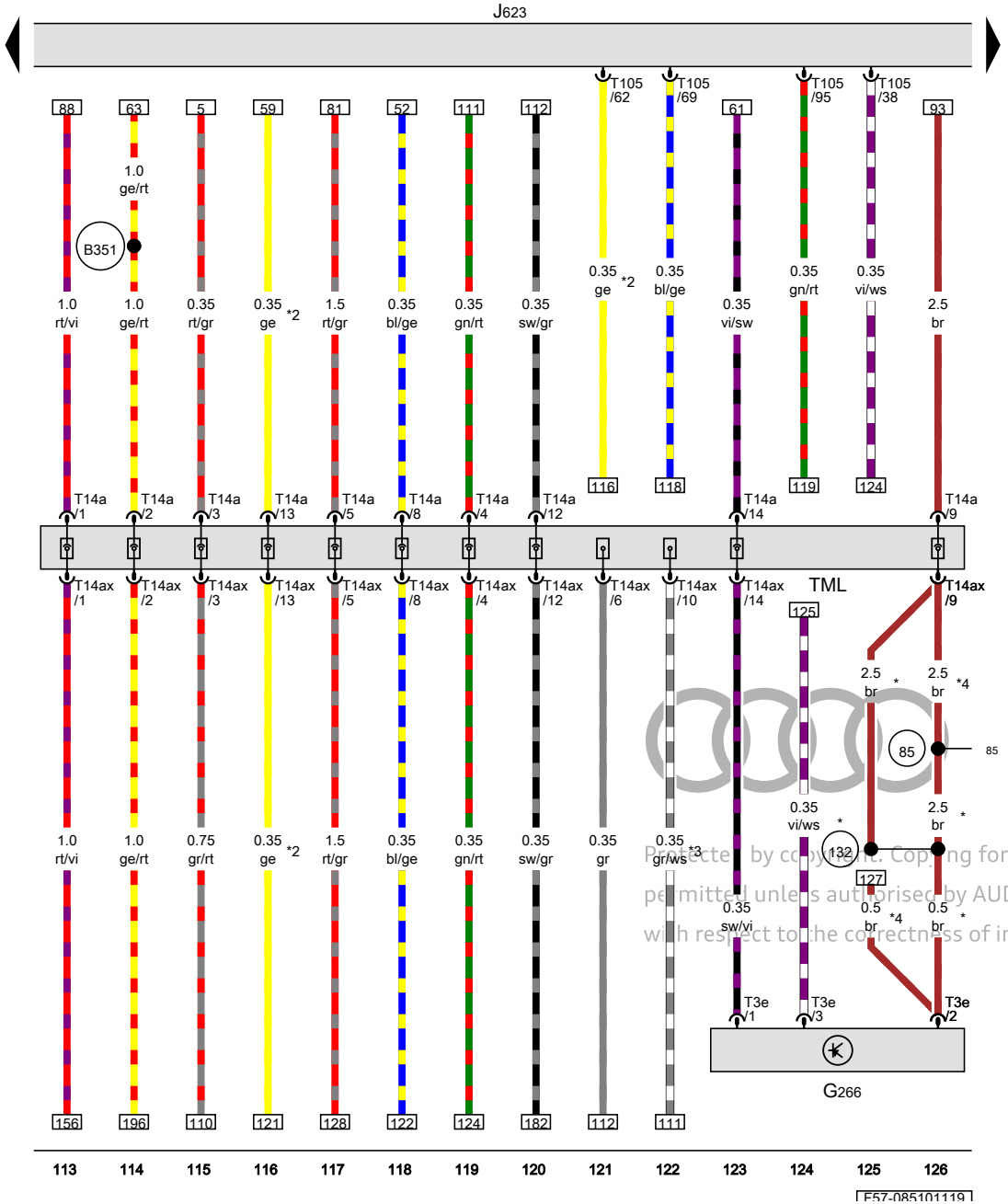

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Oil level and oil temperature sender, Engine/motor control unit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
B351	Positive connection 2 (87a) in main wiring harness
*	Gradually discontinued
*2	For models with automatic gearbox
*3	Wiring colour depends on equipment
*4	gradual introduction

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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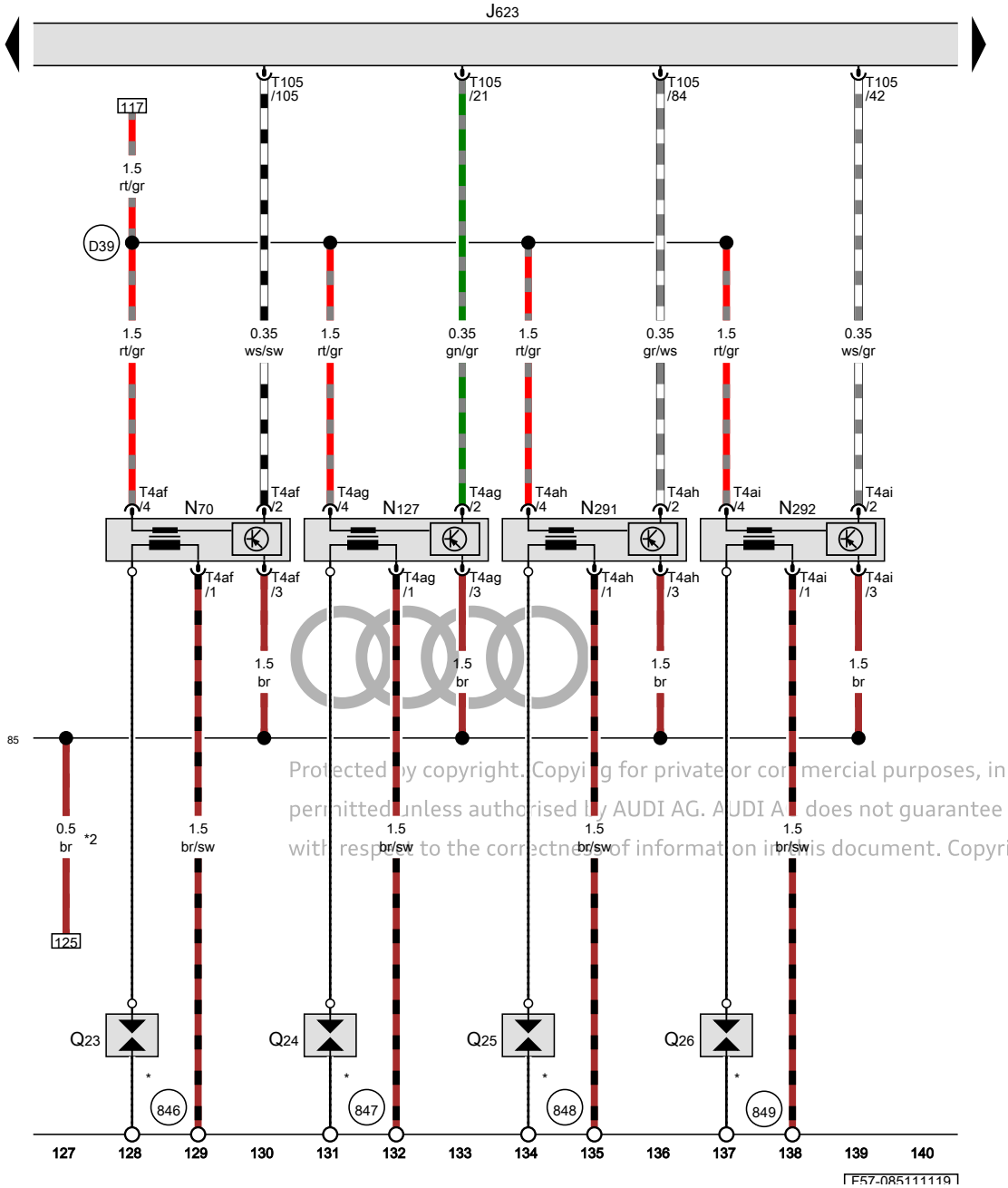
ge	=	yellow
or	=	orange
rs	=	pink



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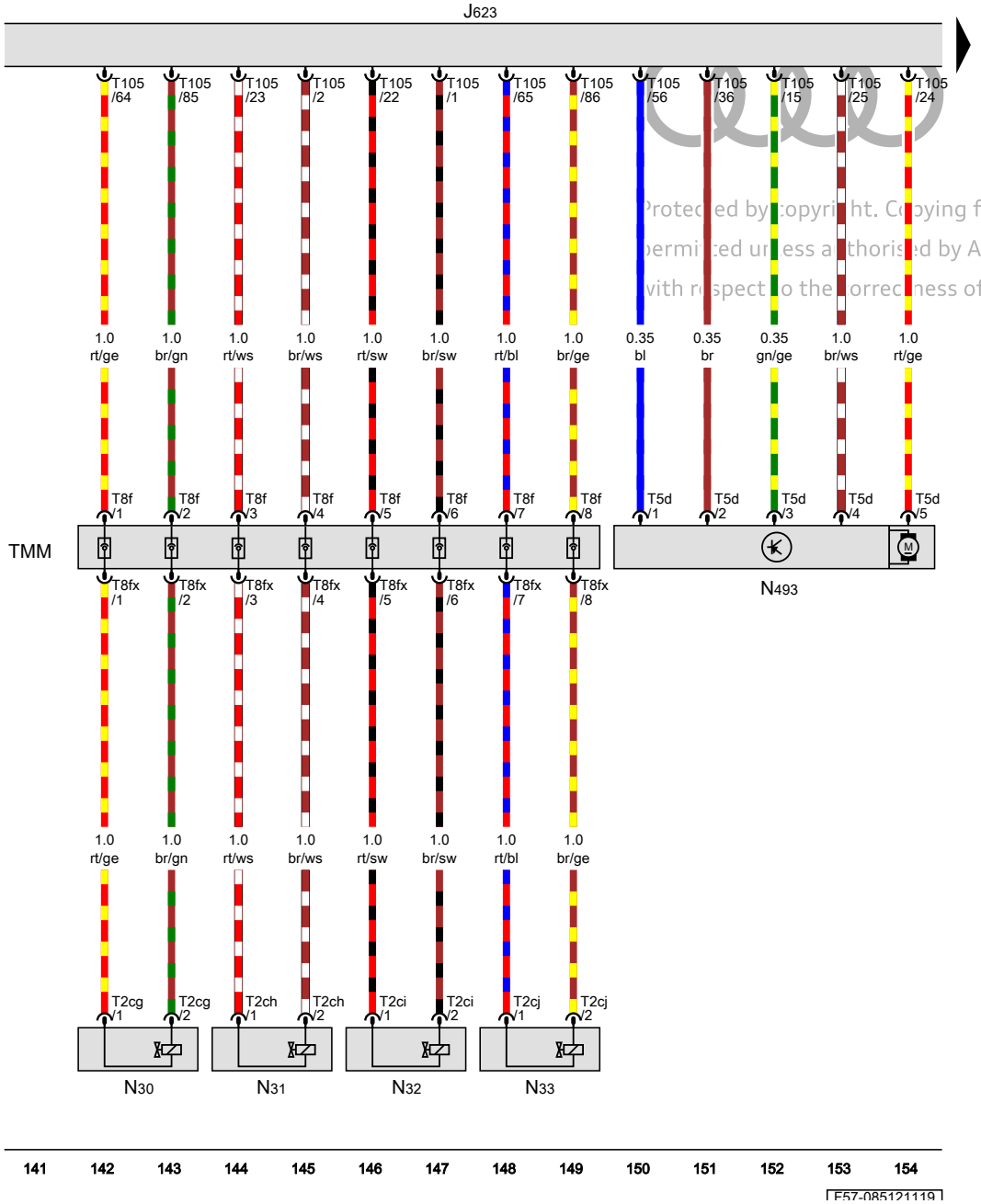
Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing
*2	gradual introduction

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Actuator for engine temperature regulation

J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N493	Actuator for engine temperature regulation
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T5d	5-pin connector, black
T8f	8-pin connector, black
T8fx	8-pin connector, black
T105	105-pin connector, black
TMM	Coupling point in engine compartment, centre

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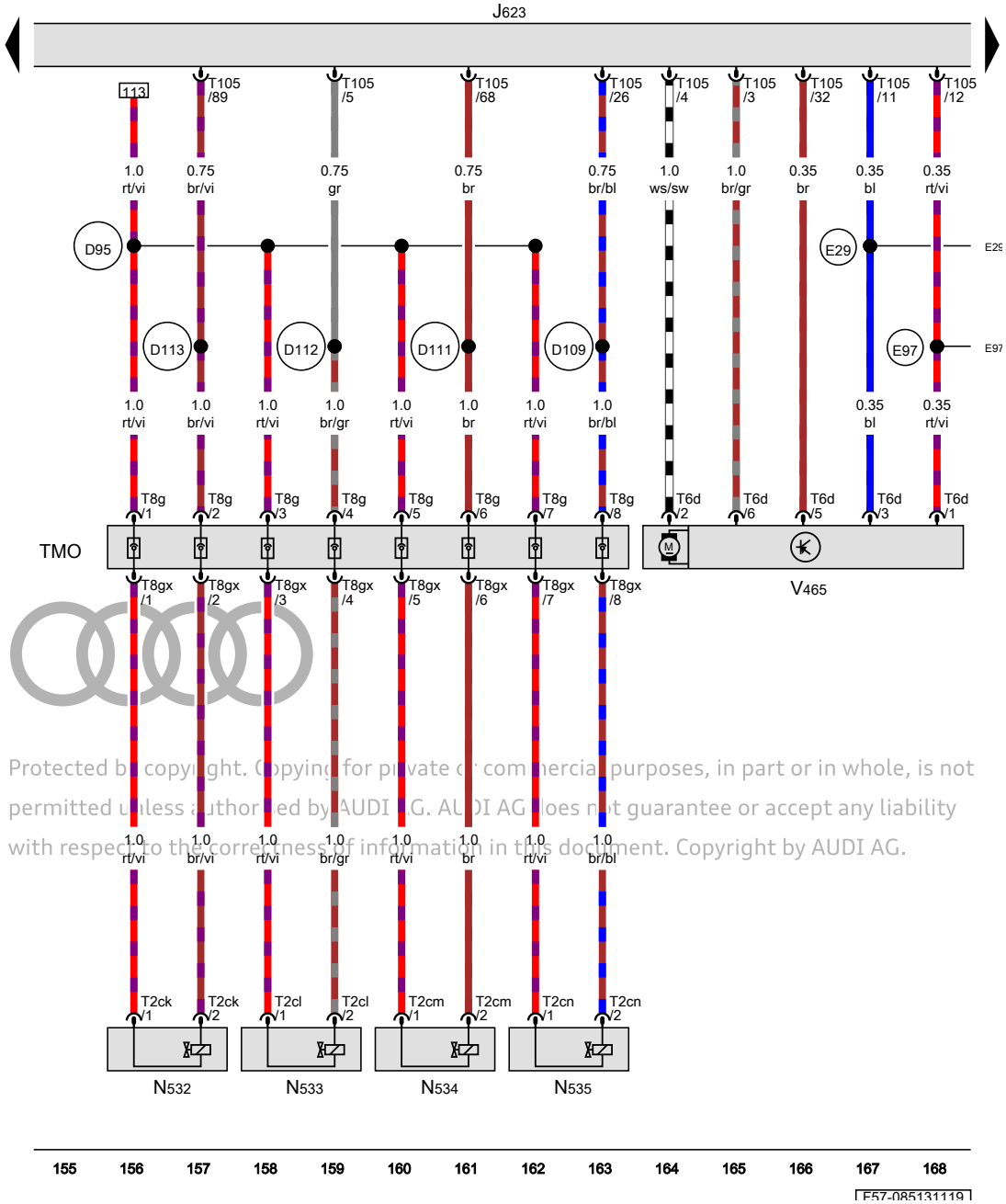

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Engine/motor control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4, Charge pressure positioner

J623	Engine/motor control unit, front left in engine compartment
N532	Injector 2, cylinder 1
N533	Injector 2, cylinder 2
N534	Injector 2, cylinder 3
N535	Injector 2, cylinder 4
T2ck	2-pin connector, black
T2cl	2-pin connector, black
T2cm	2-pin connector, black
T2cn	2-pin connector, black
T6d	6-pin connector, grey
T8g	8-pin connector, black
T8gx	8-pin connector, black
T105	105-pin connector, black
TMO	Coupling point on engine, top
V465	Charge pressure positioner
D95	Connection (injectors), in engine compartment wiring harness
D109	Connection 7 in engine compartment wiring harness
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
D113	Connection 11 in engine compartment wiring harness
E29	Connection, in engine wiring harness
E97	Connection 2 in engine wiring harness

ws	=	white
sw	=	black
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rt	=	red
br	=	brown
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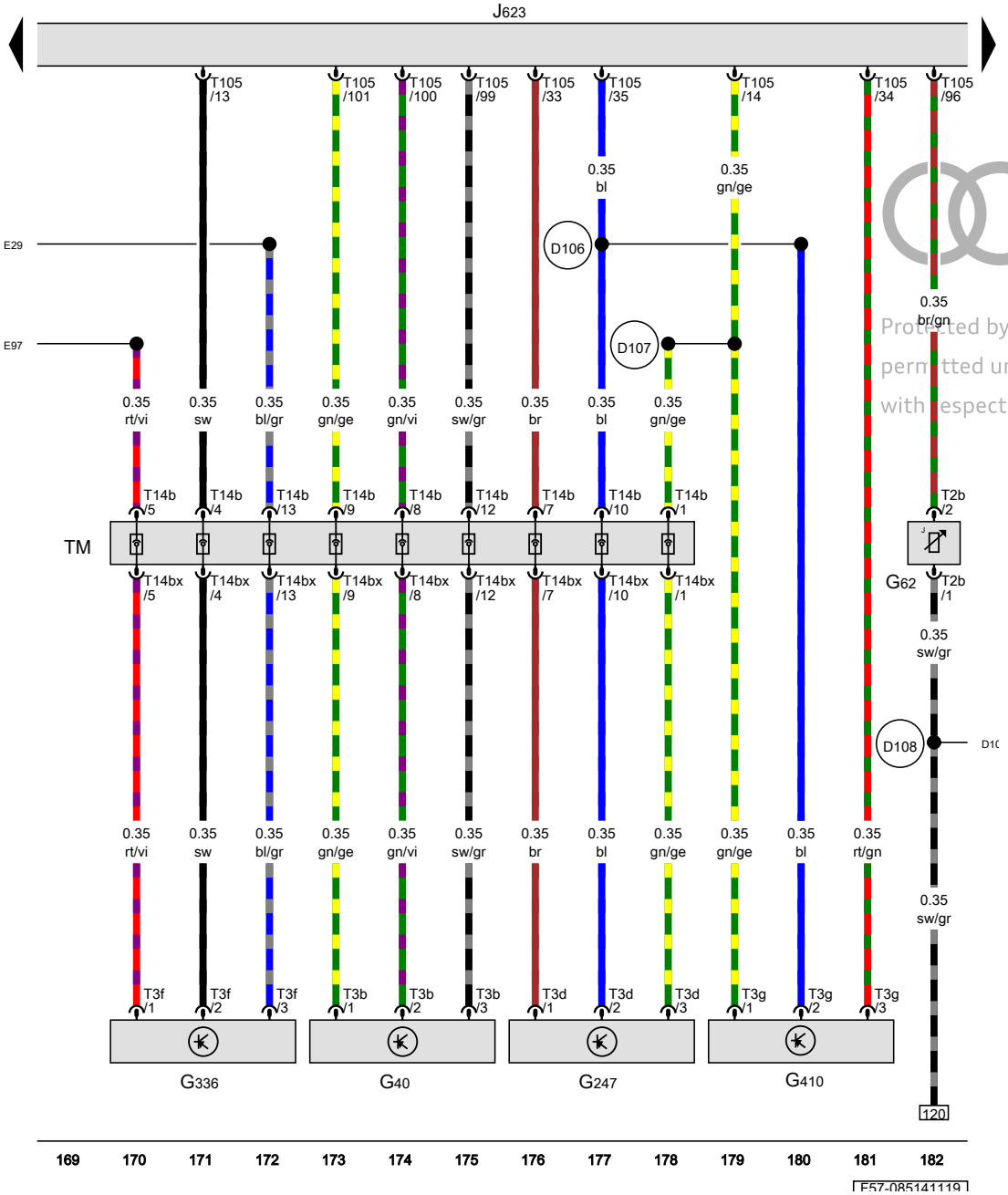

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Hall sender, Coolant temperature sender, Fuel pressure sender, Intake manifold flap potentiometer, Fuel pressure sender for low pressure, Engine/motor control unit

G40	Hall sender
G62	Coolant temperature sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, front left in engine compartment
T2b	2-pin connector, black
T3b	3-pin connector, black
T3d	3-pin connector, black
T3f	3-pin connector, black
T3g	3-pin connector, black
T14b	14-pin connector, black
T14bx	14-pin connector, black
T105	105-pin connector, black
TM	Coupling point in engine compartment
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness
E29	Connection, in engine wiring harness
E97	Connection 2 in engine wiring harness

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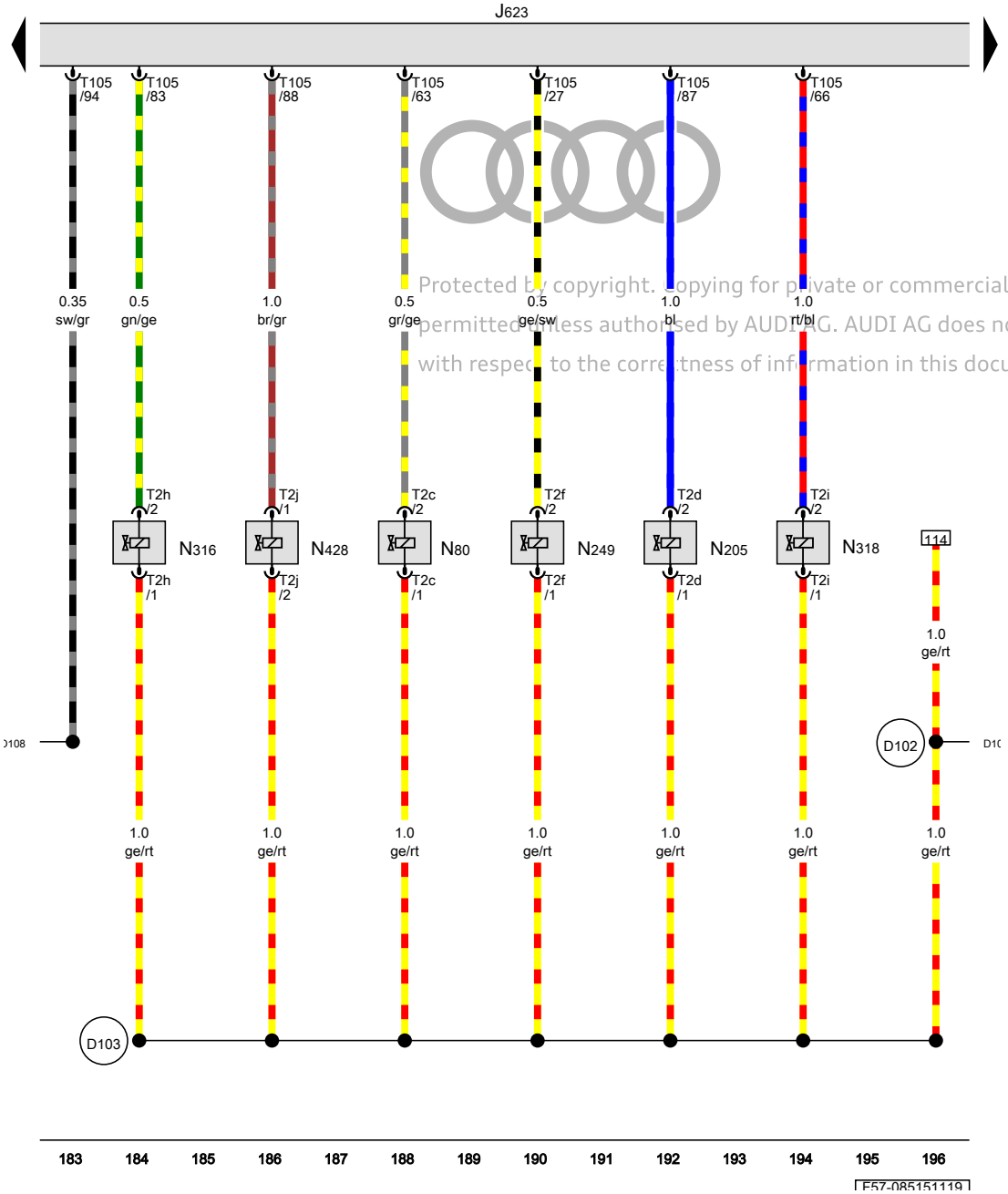

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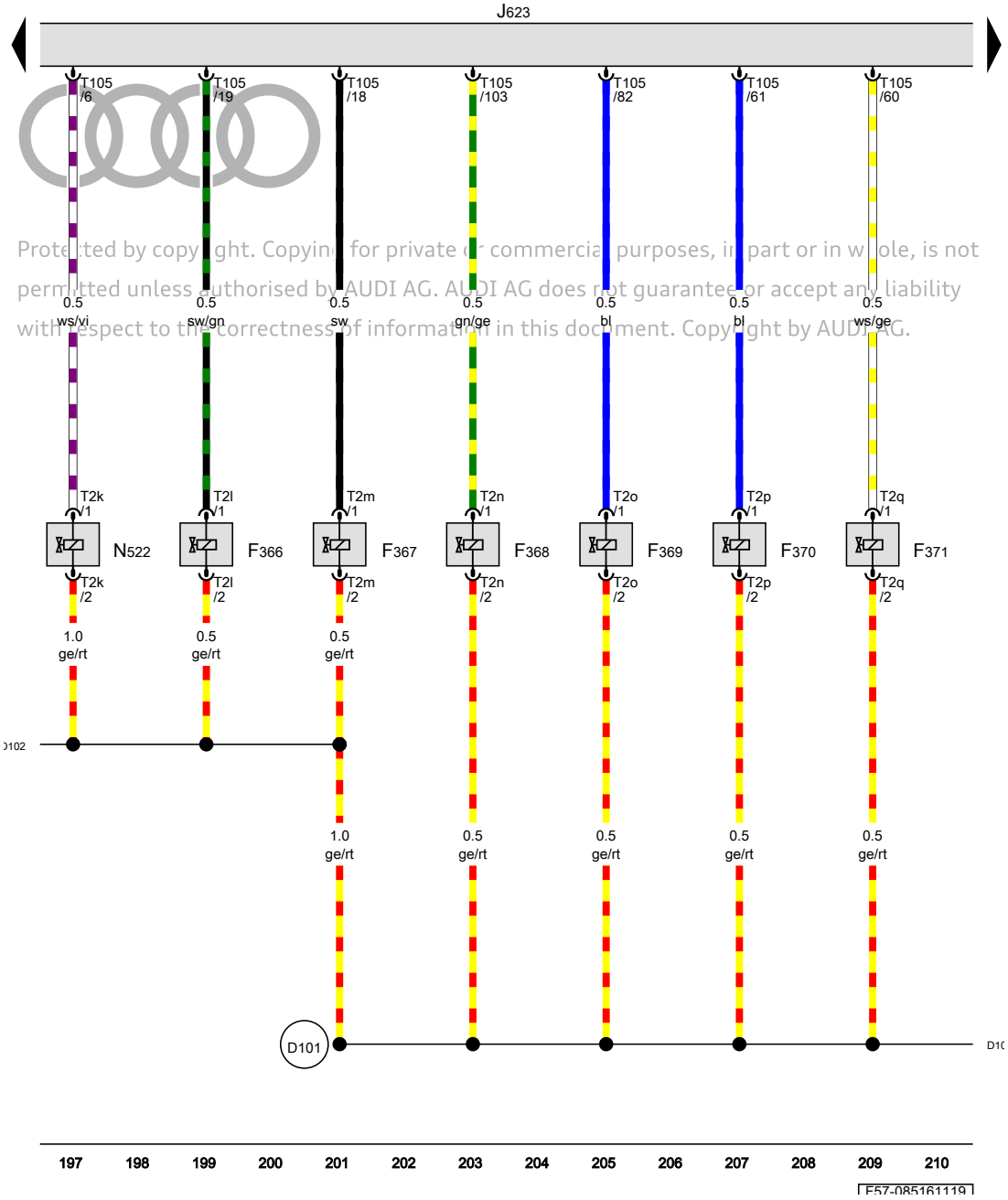
Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control

J623	Engine/motor control unit, front left in engine compartment
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
T2c	2-pin connector, black
T2d	2-pin connector, black
T2f	2-pin connector, brown
T2h	2-pin connector, black
T2i	2-pin connector, black
T2j	2-pin connector, black
T105	105-pin connector, black
D102	Connection 2 in engine compartment wiring harness
D103	Connection 3 in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness



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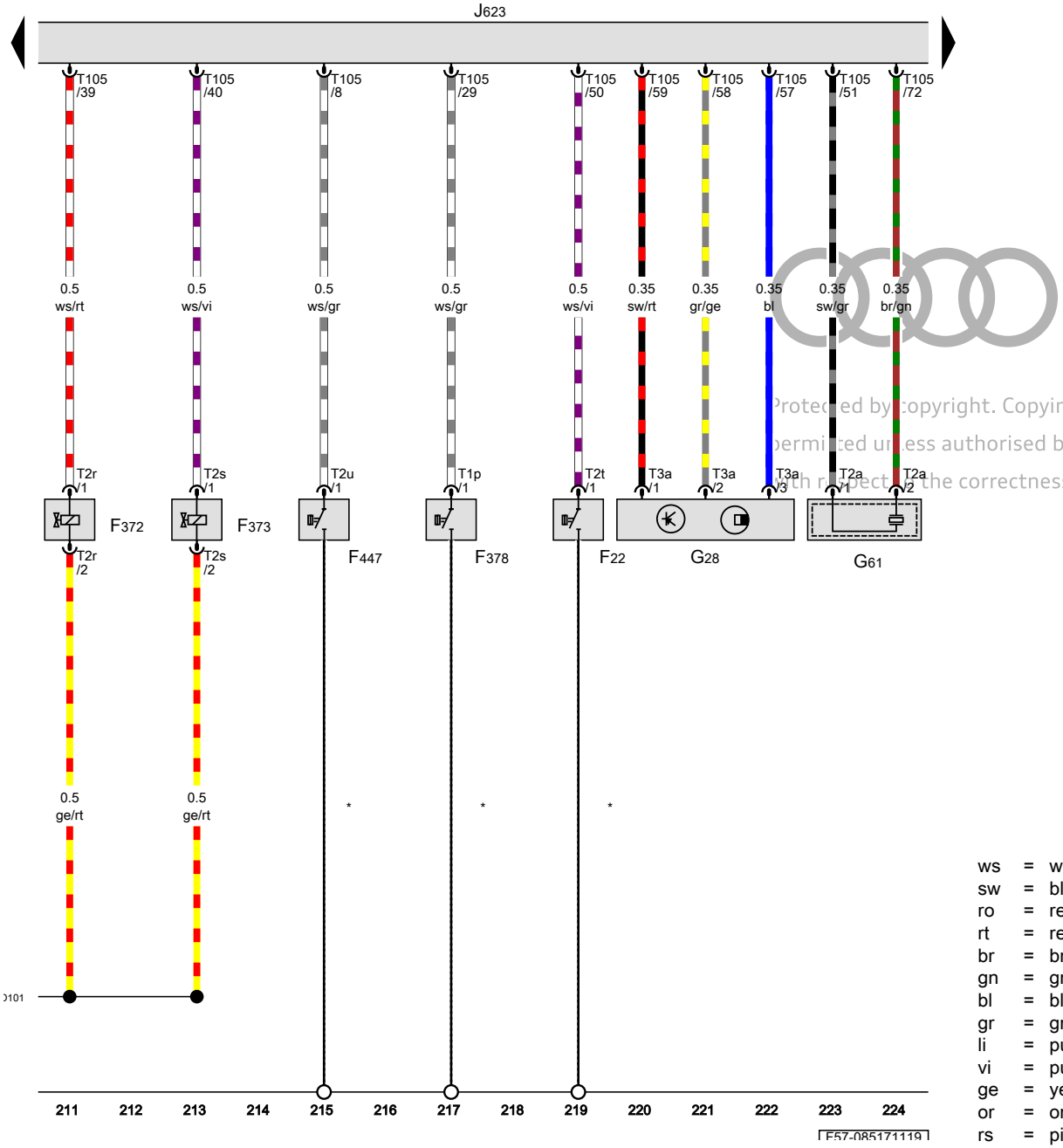
rs = pink

Cam adjustment actuator 1, Cam adjustment actuator 2, Cam adjustment actuator 3, Cam adjustment actuator 4, Cam adjustment actuator 5, Cam adjustment actuator 6, Engine/motor control unit, Piston cooling jet control valve

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F370	Cam adjustment actuator 5
F371	Cam adjustment actuator 6
J623	Engine/motor control unit, front left in engine compartment
N522	Piston cooling jet control valve
T2k	2-pin connector, black
T2l	2-pin connector, black
T2m	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2p	2-pin connector, black
T2q	2-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness



Oil pressure switch, Cam adjustment actuator 7, Cam adjustment actuator 8, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Engine speed sender, Knock sensor 1, Engine/motor control unit

F22	Oil pressure switch
F372	Cam adjustment actuator 7
F373	Cam adjustment actuator 8
F378	Oil pressure switch for reduced oil pressure
F447	Stage 3 oil pressure switch
G28	Engine speed sender
G61	Knock sensor 1
J623	Engine/motor control unit, front left in engine compartment
T1p	1-pin connector, black
T2a	2-pin connector, black
T2r	2-pin connector, black
T2s	2-pin connector, black
T2t	2-pin connector, black
T2u	2-pin connector, black
T3a	3-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
*	Earth supply via housing

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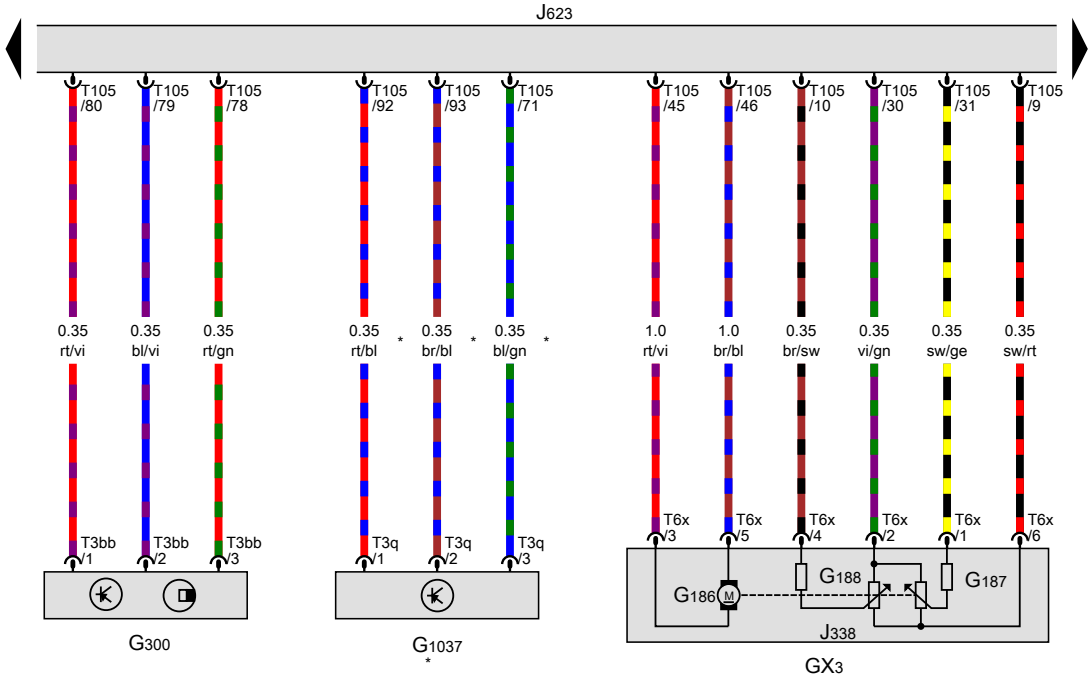
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Throttle valve module, Hall sender 3, Pressure differential sender for particulate filter, Engine/motor control unit

GX3	Throttle valve module
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
G300	Hall sender 3
G1037	Pressure differential sender for particulate filter
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T3bb	3-pin connector, black
T3q	3-pin connector, black
T6x	6-pin connector, black
T105	105-pin connector, black
*	For emission standard Euro 6 ZD/E/F

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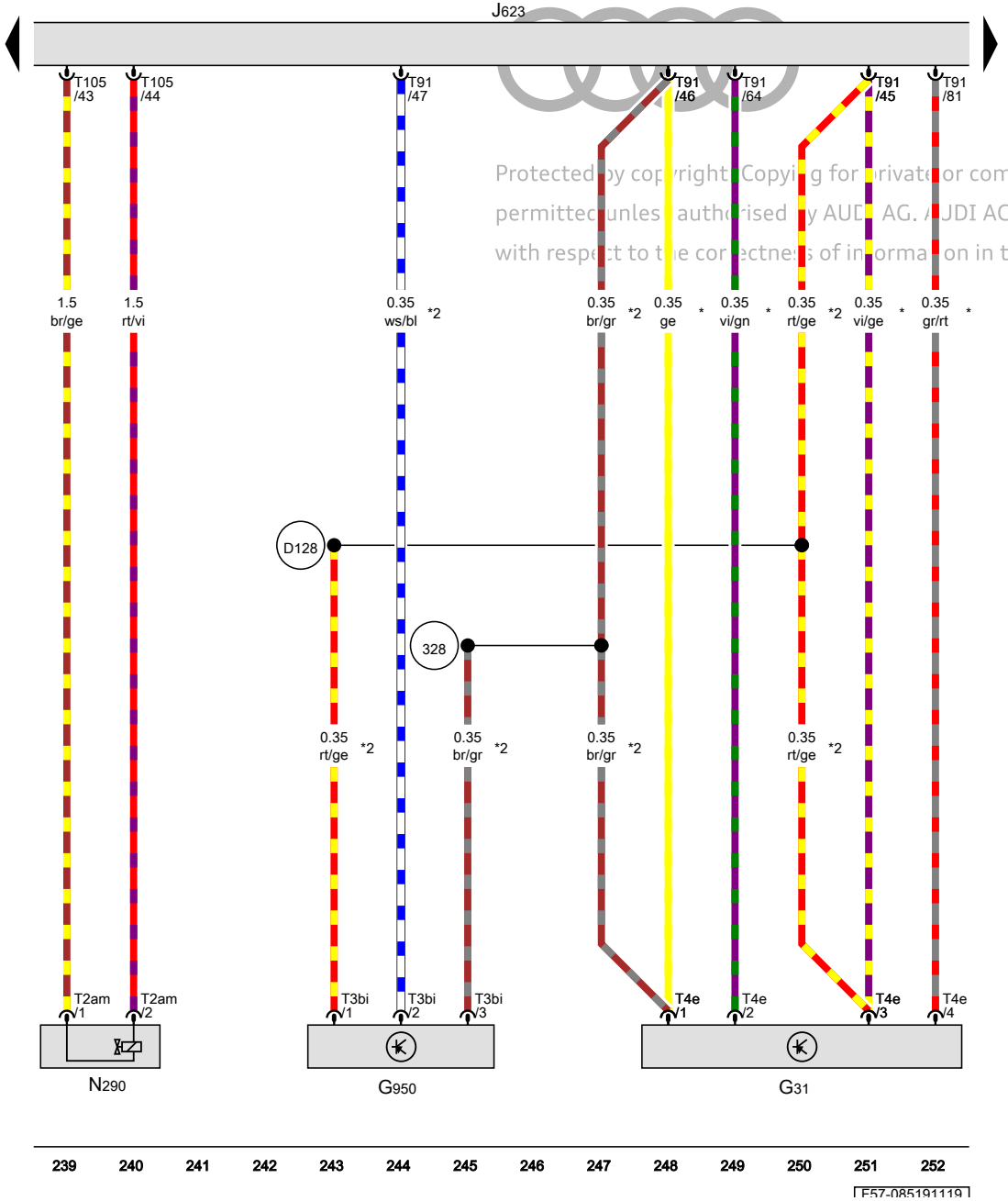

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Charge pressure sender, Tank breather pressure sensor 1, Engine/motor control unit, Fuel metering valve

G31	Charge pressure sender
G950	Tank breather pressure sensor 1
J623	Engine/motor control unit, front left in engine compartment
N290	Fuel metering valve
T2am	2-pin connector, black
T3bi	3-pin connector, black
T4e	4-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D128	Connection 26 in engine compartment wiring harness
*	For emission standard Euro 6 ZD/E/F
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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vi	=	purple
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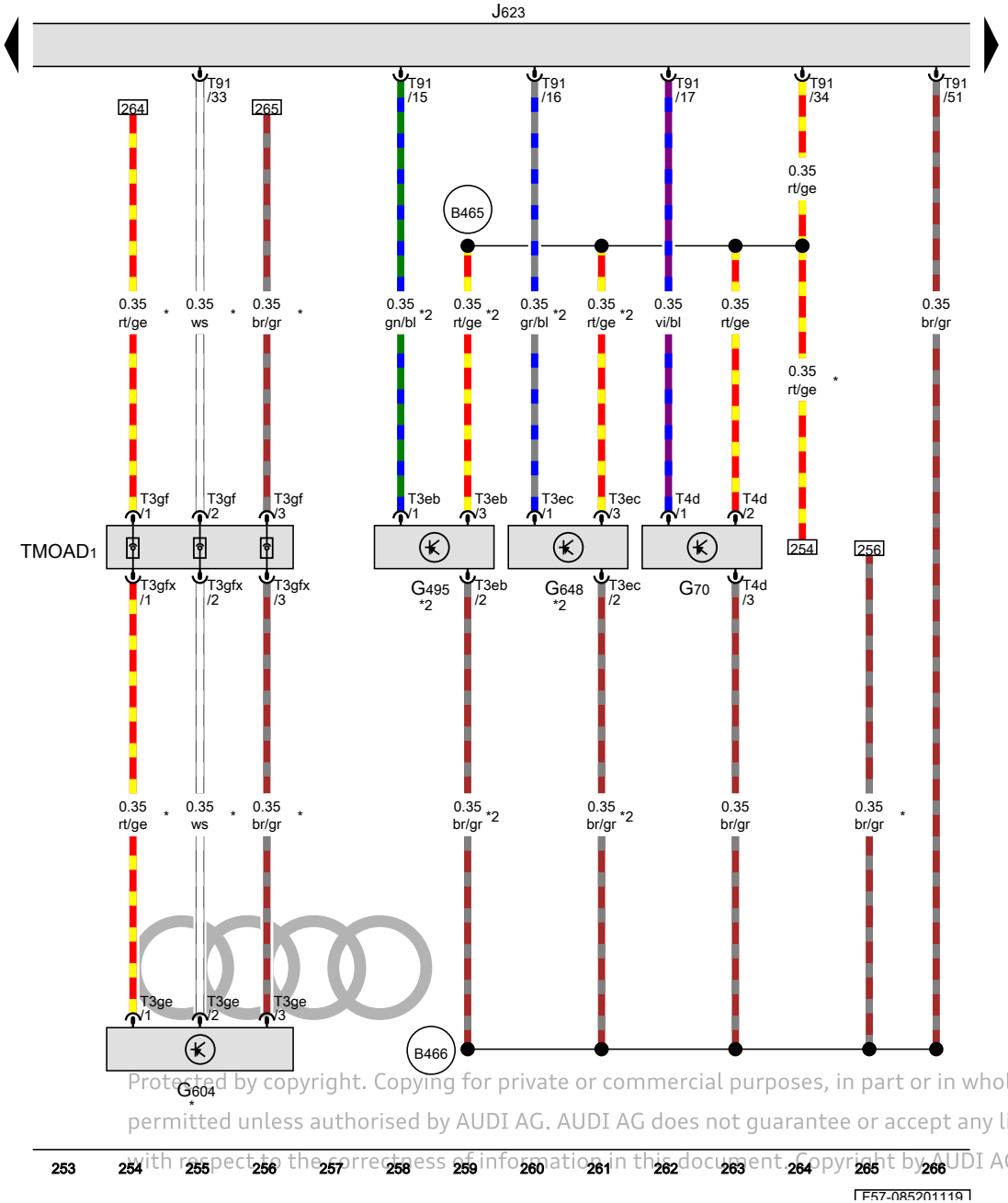

Air mass meter, Exhaust gas temperature sender 3, Gear detection sensor, Exhaust gas temperature sender 4, Engine/motor control unit

G70	Air mass meter
G495	Exhaust gas temperature sender 3
G604	Gear detection sensor
G648	Exhaust gas temperature sender 4
J623	Engine/motor control unit, front left in engine compartment
T3eb	3-pin connector, black
T3ec	3-pin connector
T3ge	3-pin connector, black, brown
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
T4d	4-pin connector, black
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T91	91-pin connector, black
B465	Connection 1, in main wiring harness
B466	Connection 2, in main wiring harness
*	For models with manual gearbox
*2	For models with particulate filter/preparation for particulate filter

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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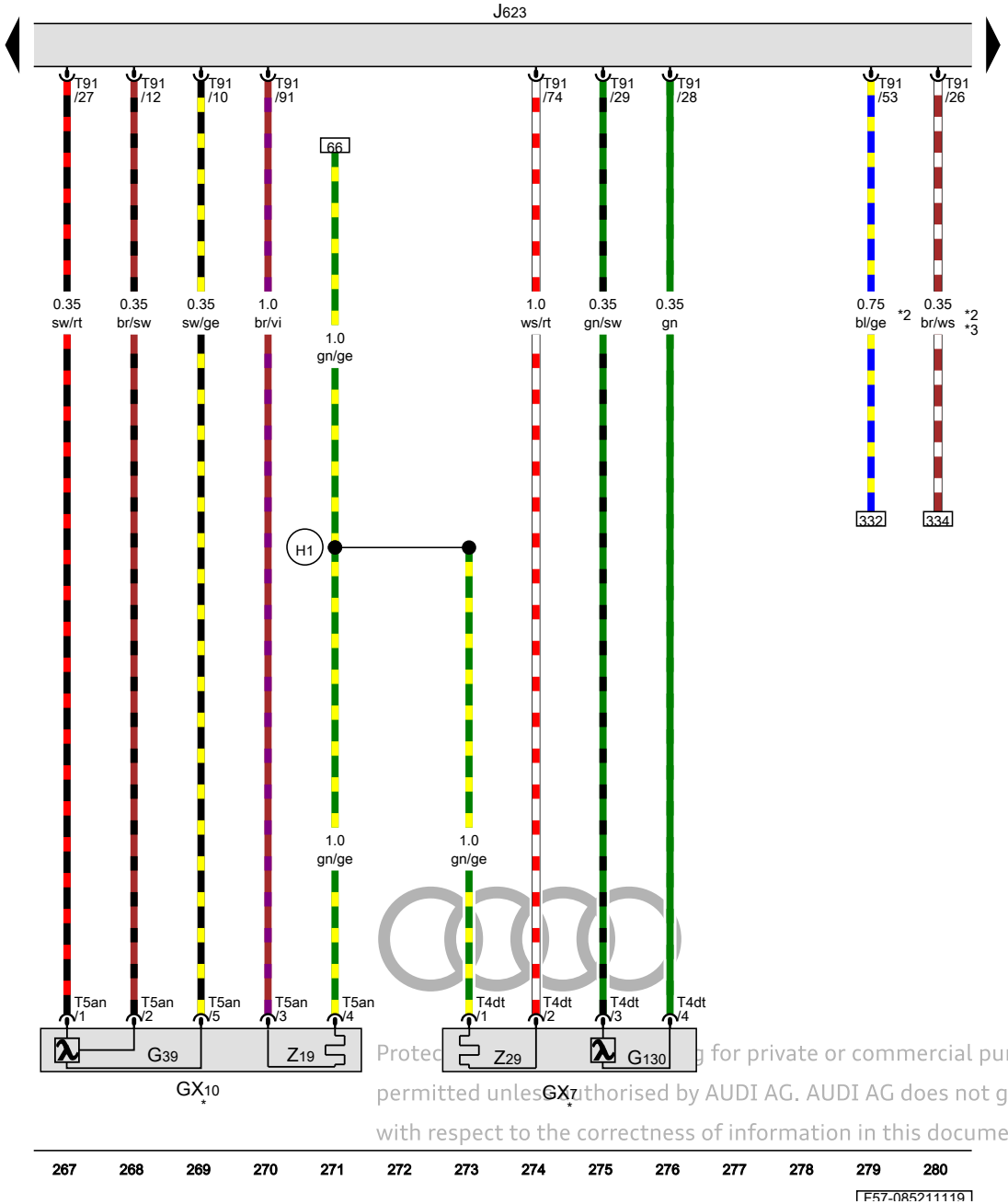

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine/motor control unit, front left in engine compartment
T4dt	4-pin connector, black
T5an	5-pin connector, grey
T91	91-pin connector, black
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
H1	Positive connection, in Lambda wiring harness
*	Pre-wired component
*2	According to equipment
*3	For emission standard Euro 6 ZD/E/F

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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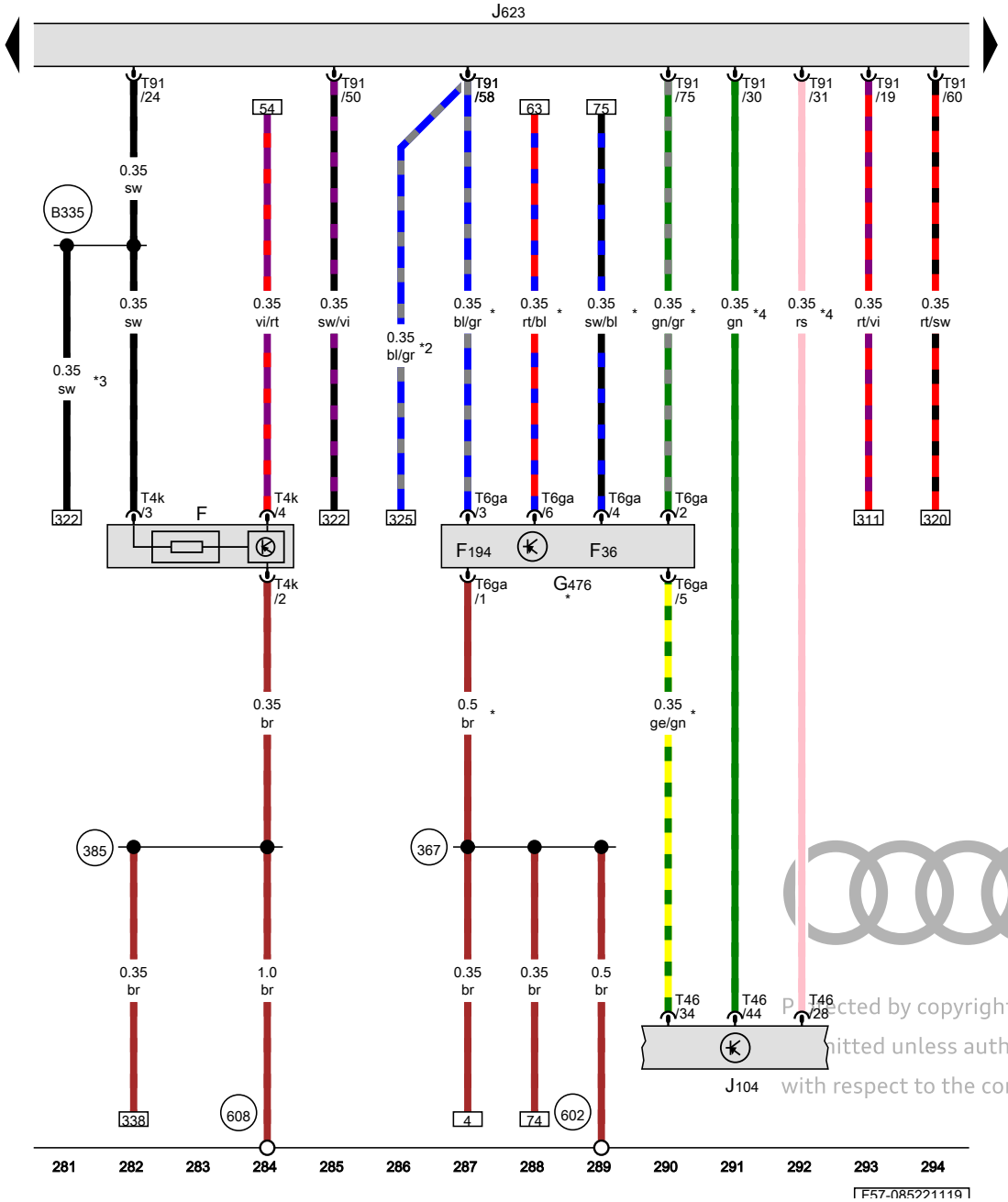

Brake light switch, Clutch pedal switch, Clutch pedal switch for engine start, Clutch position sender, Engine/motor control unit

F	Brake light switch, on brake servo
F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
G476	Clutch position sender
J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
T4k	4-pin connector, black
T6ga	6-pin connector, black
T46	46-pin connector, black
T91	91-pin connector, black
367	Earth connection 2, in main wiring harness
385	Earth connection 20, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
*	For models with manual gearbox
*2	For models with automatic gearbox
*3	Cross section depends on equipment
*4	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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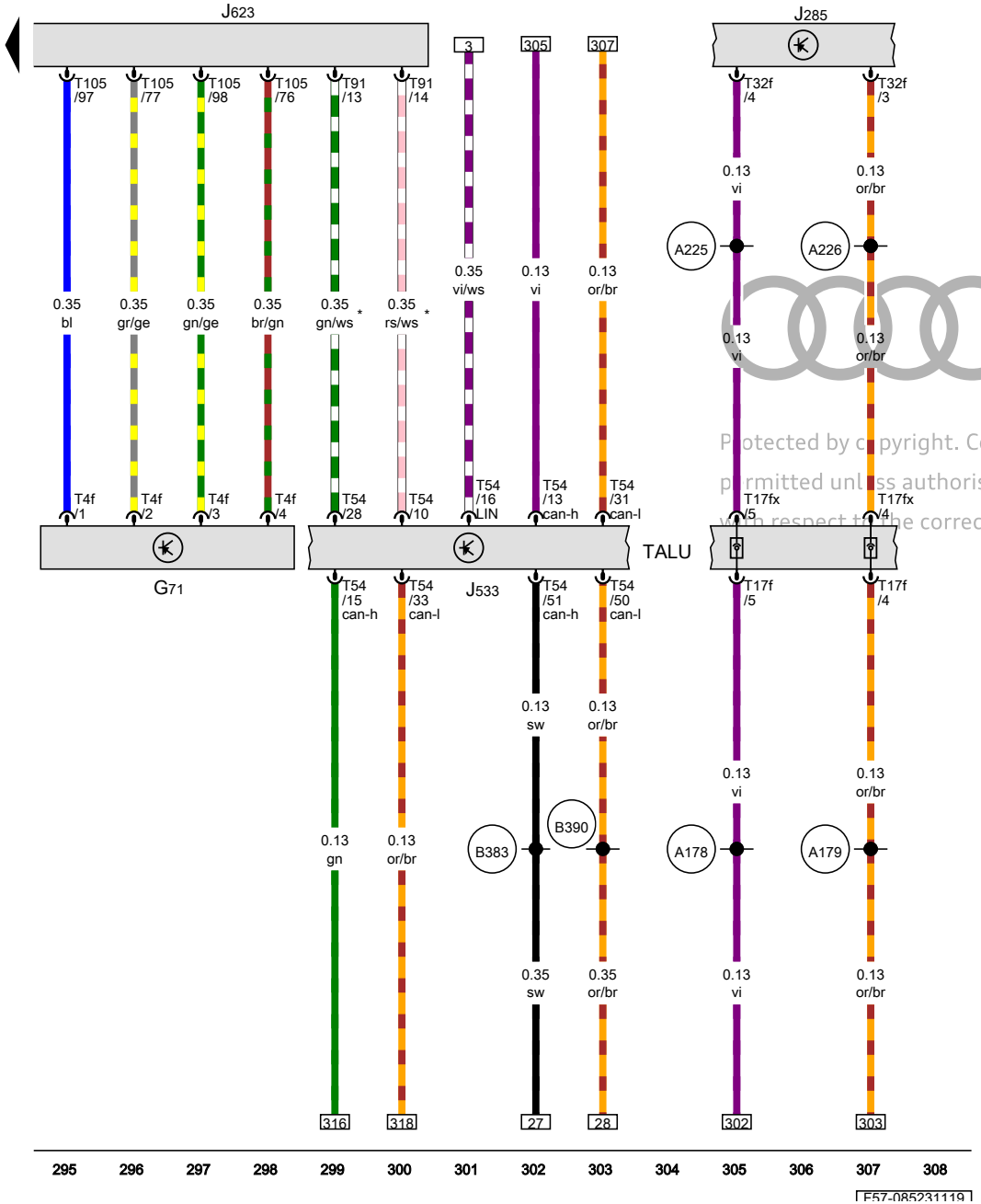

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
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Intake manifold pressure sender, Control unit in dash panel insert, Data bus diagnostic interface, Engine/motor control unit

G71	Intake manifold pressure sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
T4f	4-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
T54	54-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Data bus wire (FlexRay bus)

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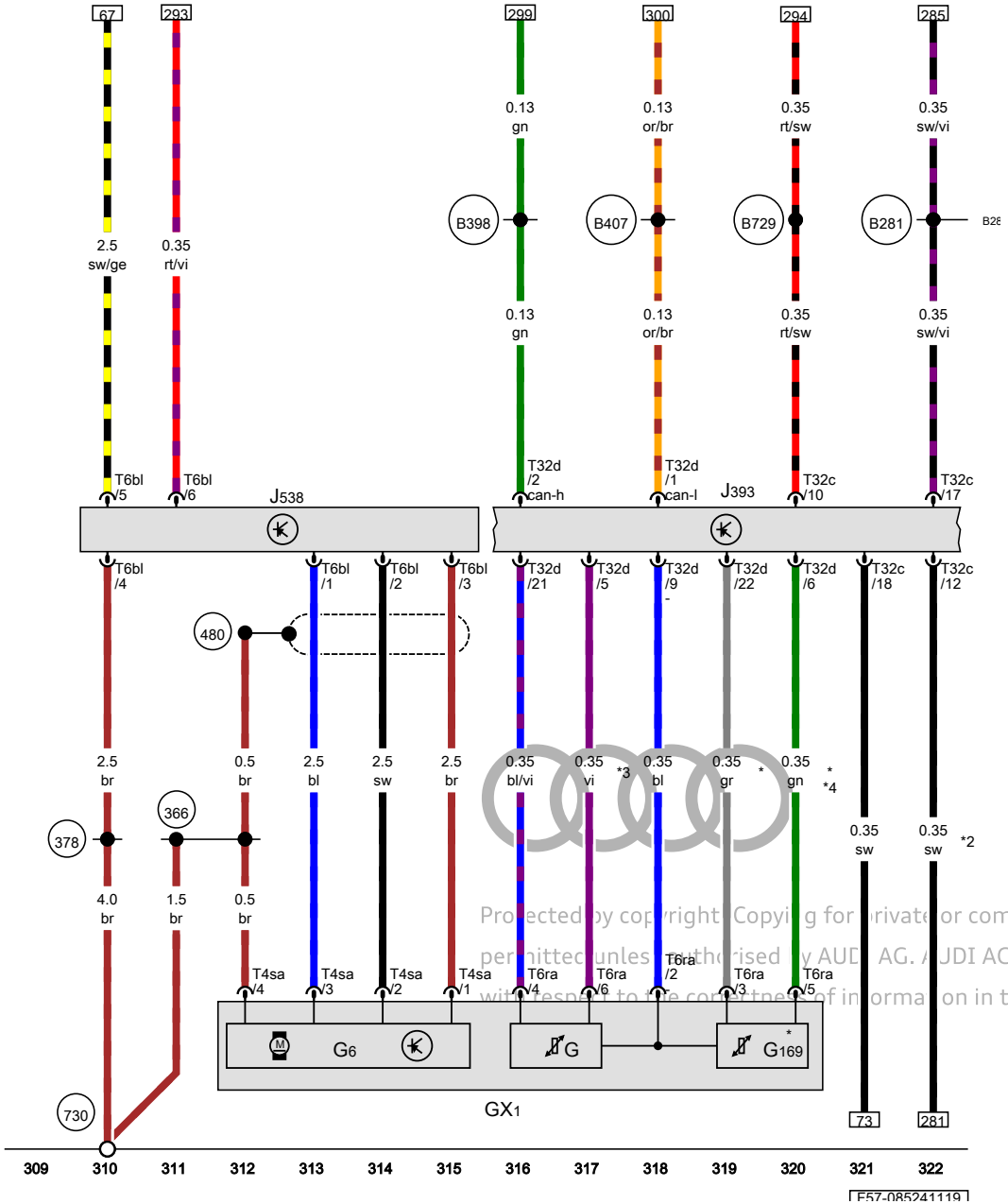

Fuel delivery unit, Convenience system central control unit, Fuel pump control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Cross section depends on equipment
*3	According to equipment
*4	Up to July 2018

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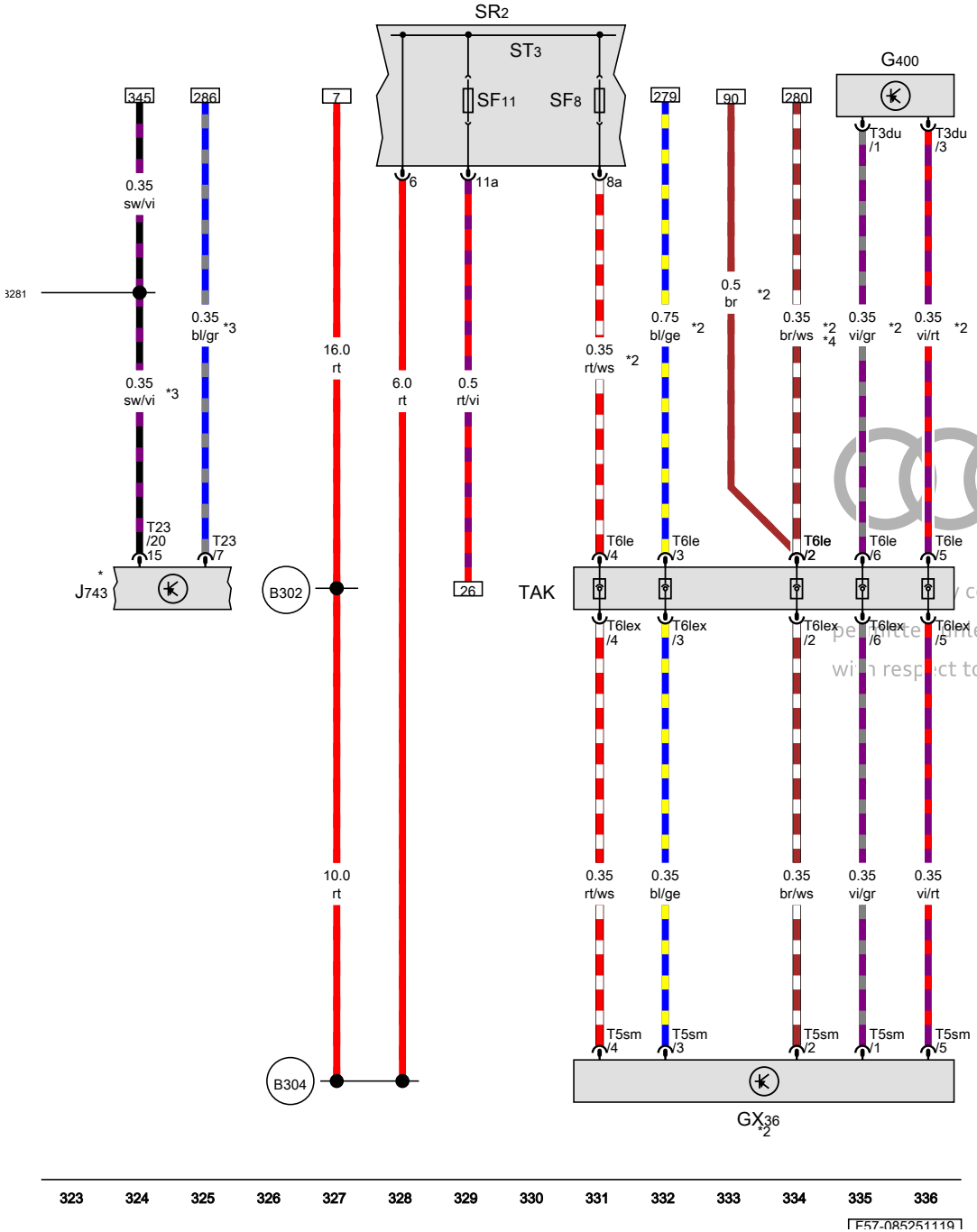

Fuel tank leak detection module, Tank pressure sensor, Mechatronic unit for dual clutch gearbox, Relay and fuse carrier 2

GX36	Fuel tank leak detection module, near fuel tank
G400	Tank pressure sensor, near fuel tank
J743	Mechatronic unit for dual clutch gearbox
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
ST3	Fuse carrier 3, brown
SF8	Fuse 8 in fuse holder F
SF11	Fuse 11 in fuse holder F
T3du	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T23	23-pin connector, black
TAK	Coupling point for fuel tank, near fuel tank
B281	Positive connection 5 (15a) in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	According to equipment
*3	For models with automatic gearbox
*4	For emission standard Euro 6 ZD/E/F

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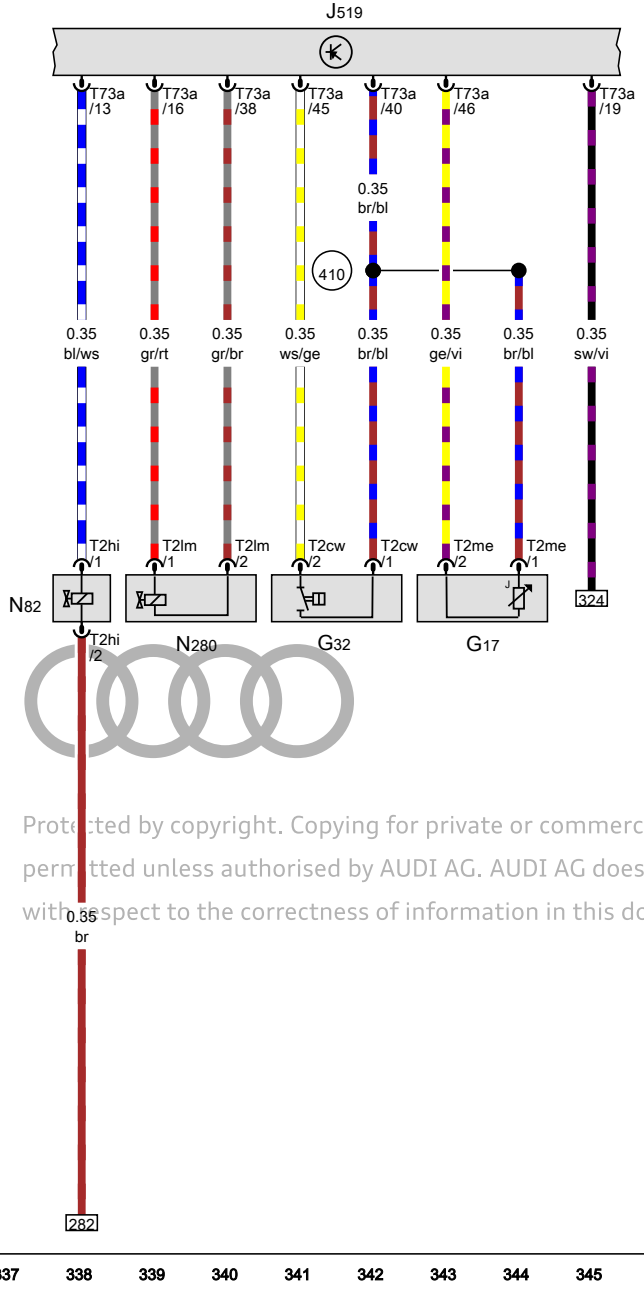

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Ambient temperature sensor, Coolant shortage indicator sender, Onboard supply control unit, Coolant shut-off valve, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
J519	Onboard supply control unit
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T2lm	2-pin connector, black
T2me	2-pin connector, black
T73a	73-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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2.9l petrol engine , DECA

From March 2017

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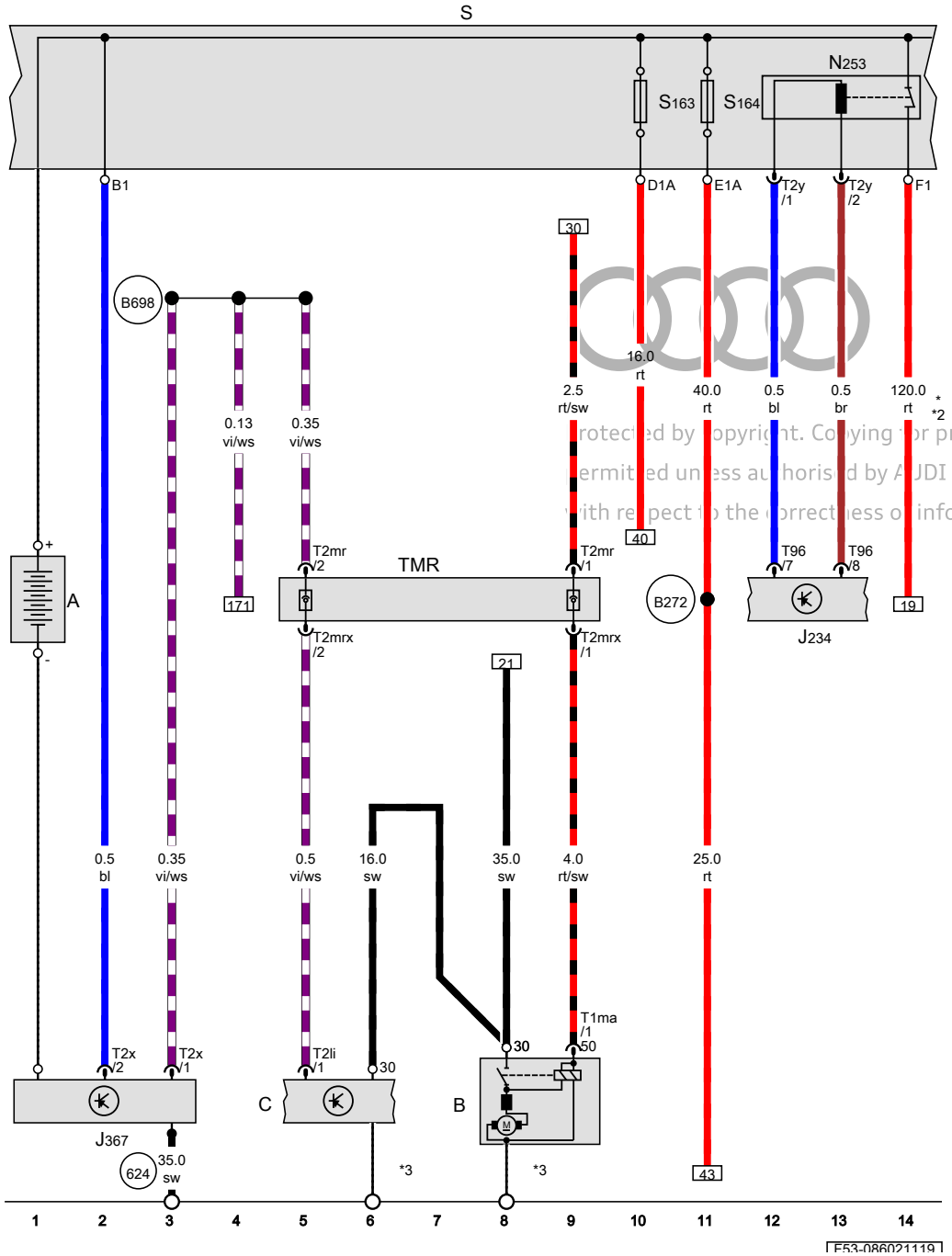

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Battery, Starter, Alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C	Alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Cross section depends on equipment
*2	Different wire colour possible
*3	Earth supply via housing

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ro	=	red
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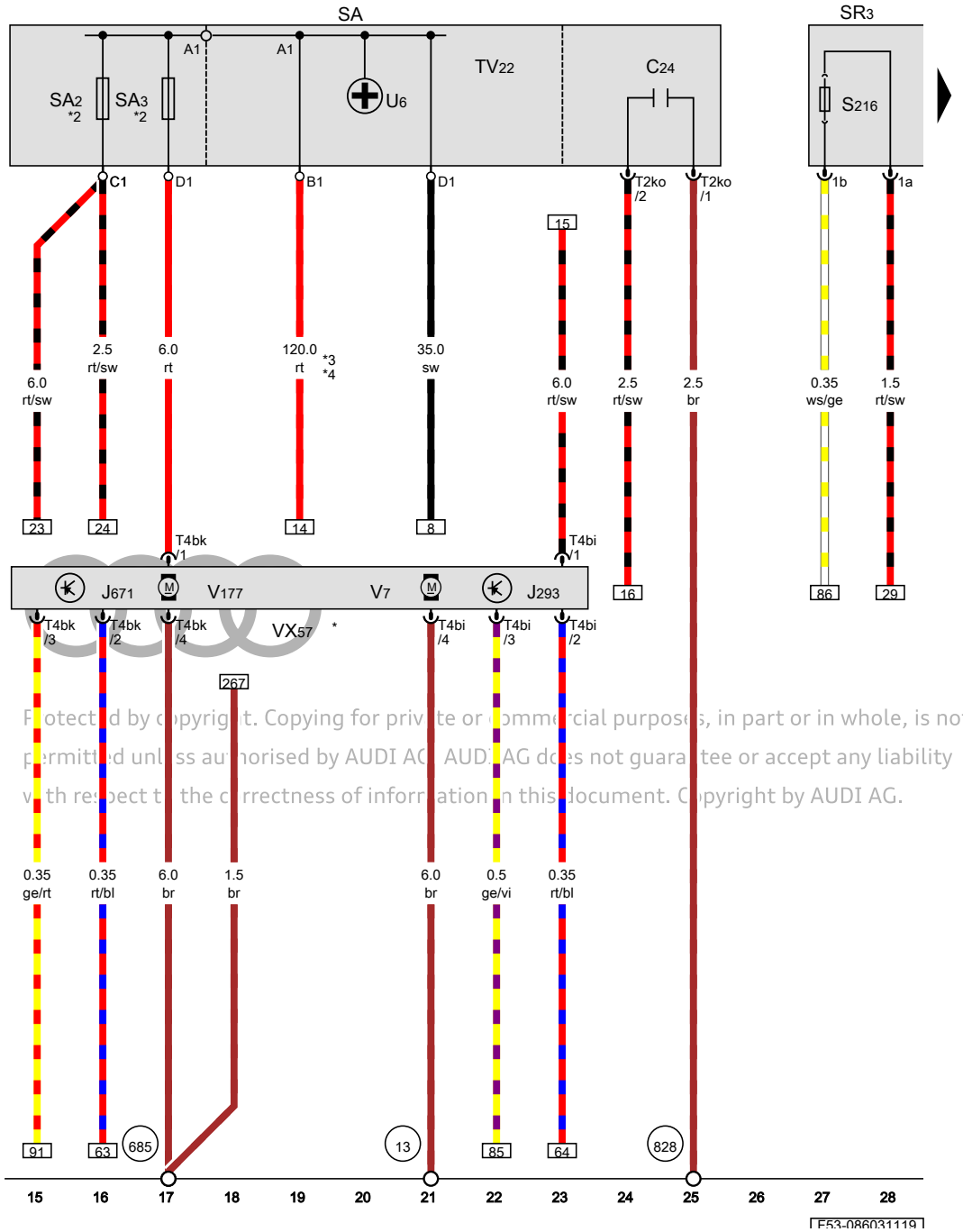

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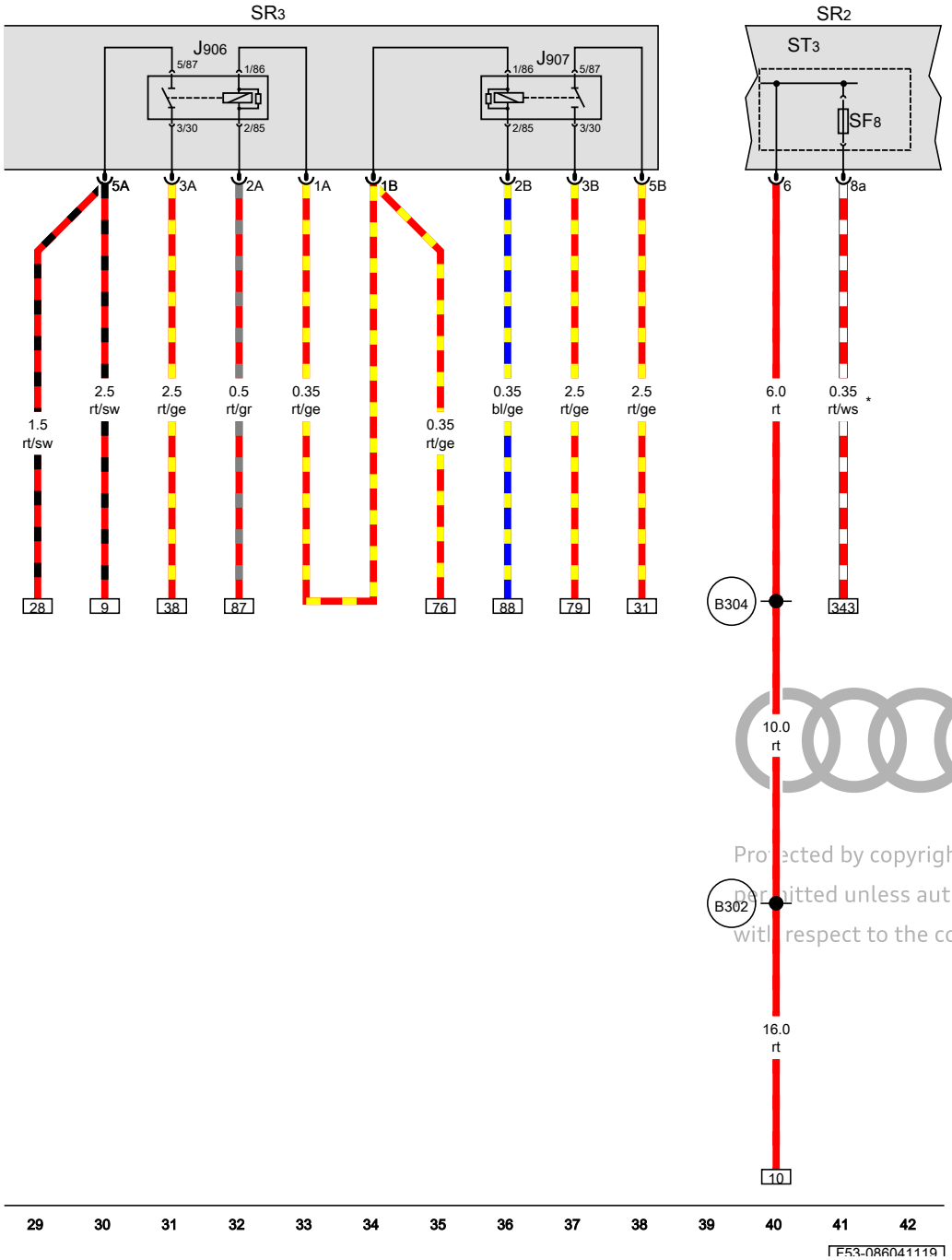
Fuse holder A, Relay and fuse carrier 3, Fuse (50), Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
J671	Radiator fan control unit 2
SA	Fuse holder A, front right in engine compartment
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SR3	Relay and fuse carrier 3, central in plenum chamber
S216	Fuse (50), central in plenum chamber
T2ko	2-pin connector, black
T4bi	4-pin connector, black
T4bk	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
V177	Radiator fan 2
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	Hot country version
*3	Cross section depends on equipment
*4	Different wire colour possible



Starter relay 1, Starter relay 2, Relay and fuse carrier 2, Relay and fuse carrier 3

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
ST3	Fuse carrier 3, brown
SR3	Relay and fuse carrier 3, central in plenum chamber
SF8	Fuse 8 in fuse holder F
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	For American markets

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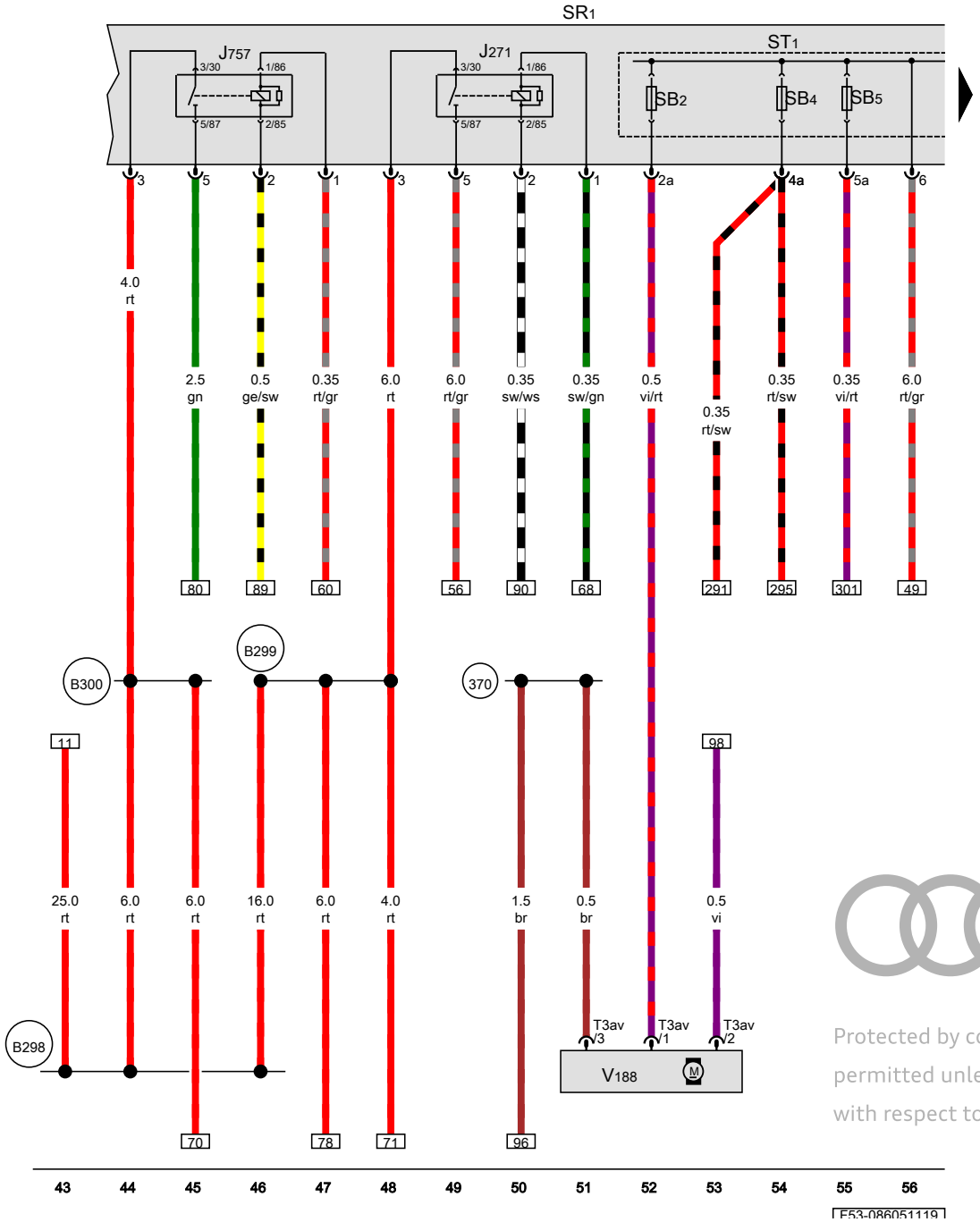

Main relay, Engine component current supply relay, Relay and fuse carrier 1, Charge air cooling pump

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST1	Fuse carrier 1, brown
SB2	Fuse 2 on fuse holder B
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
T3av	3-pin connector, black
V188	Charge air cooling pump
370	Earth connection 5, in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness

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sw	=	black
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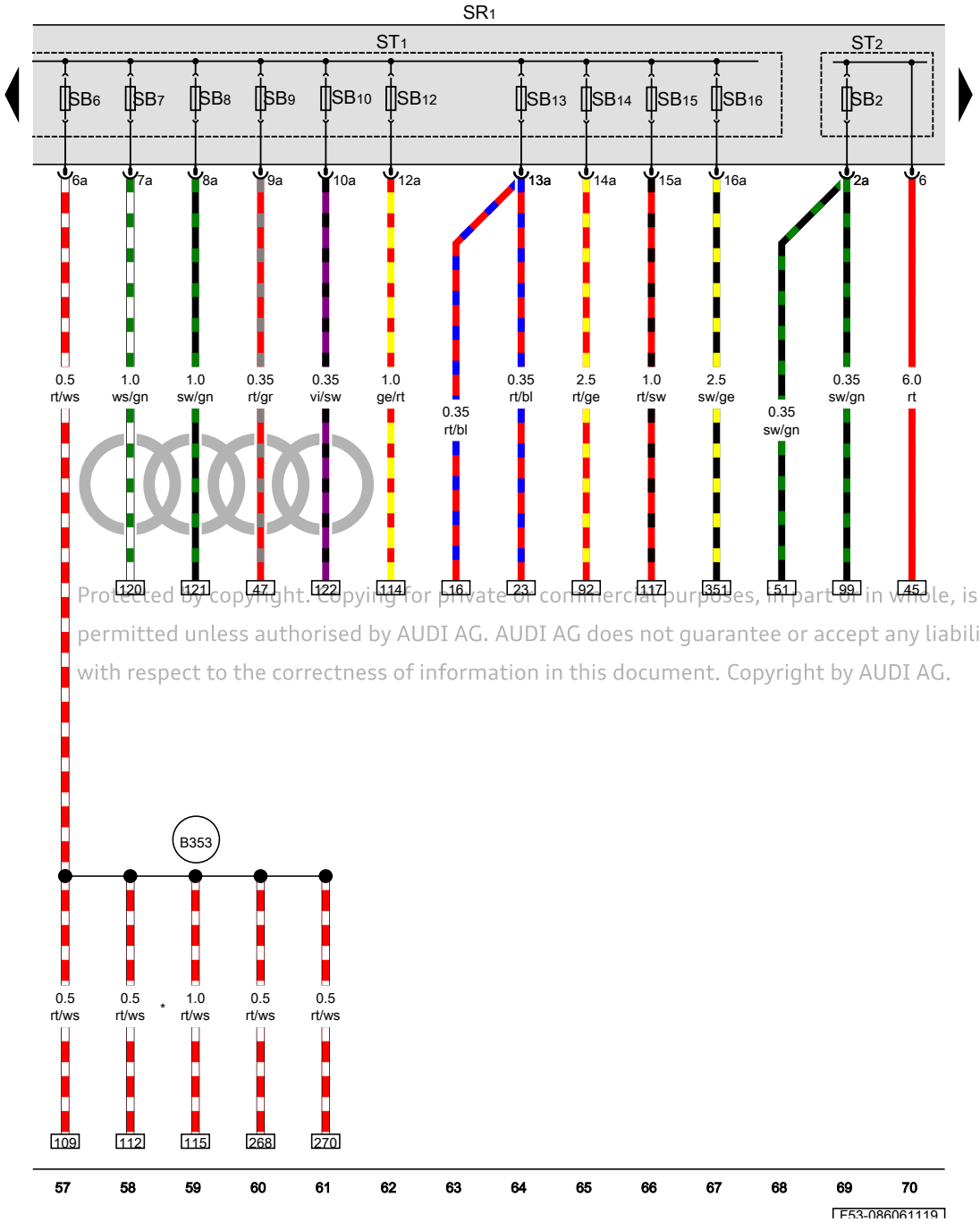

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Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
B353	Positive connection 4 (87a) in main wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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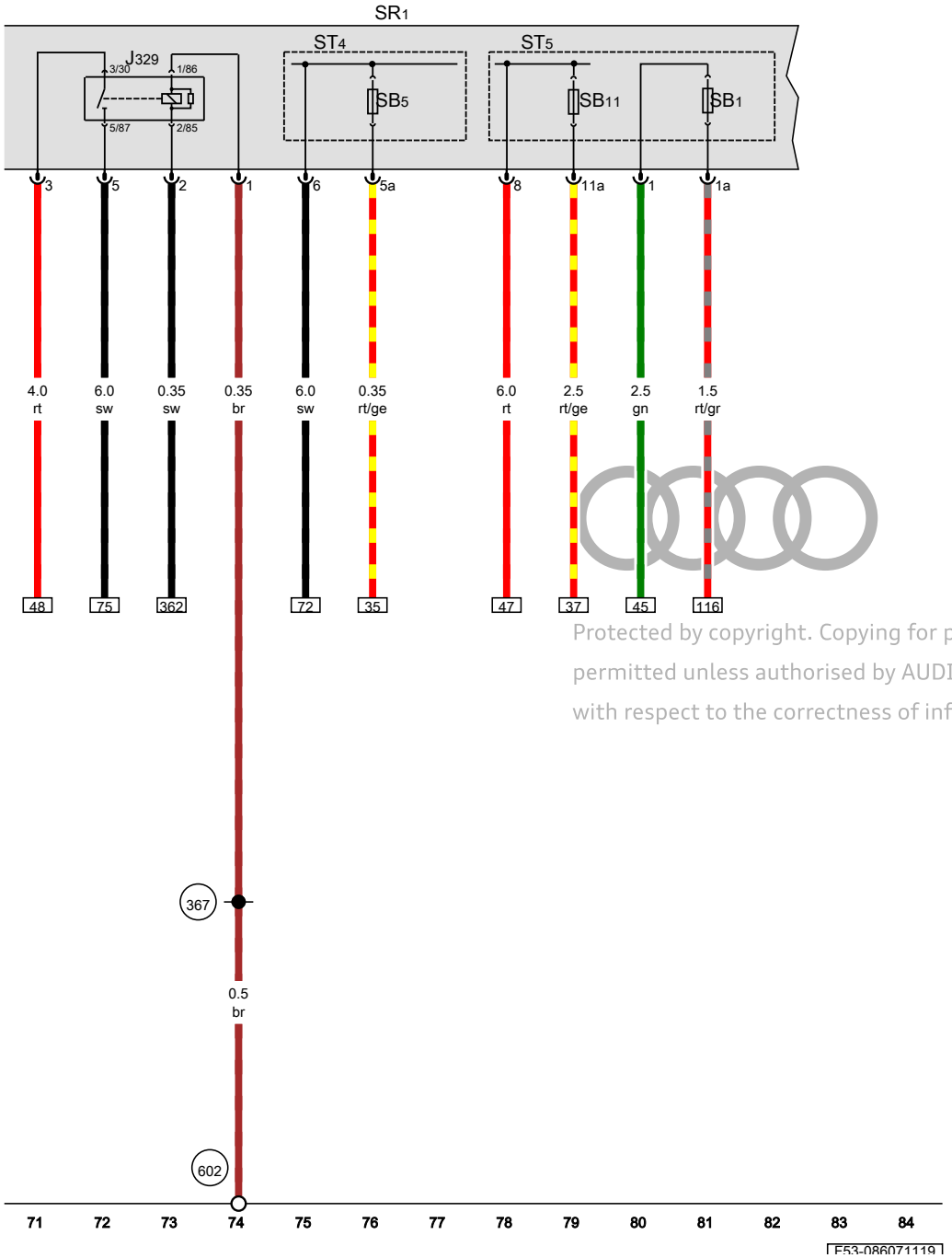

Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5, red
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell

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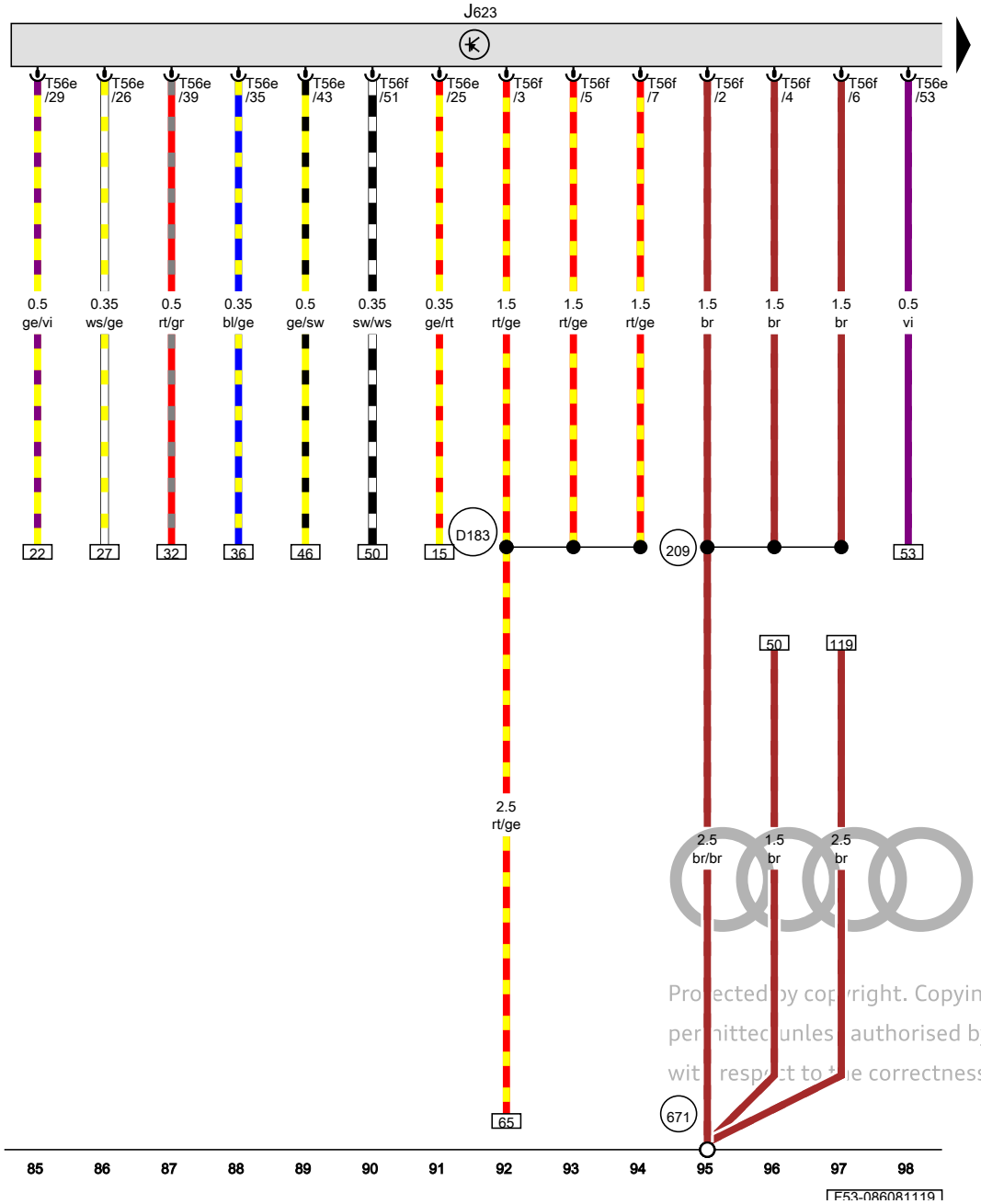
ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine/motor control unit

J623	Engine/motor control unit, front left in engine compartment
T56e	56-pin connector, black
T56f	56-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
vi	=	purple
ge	=	yellow
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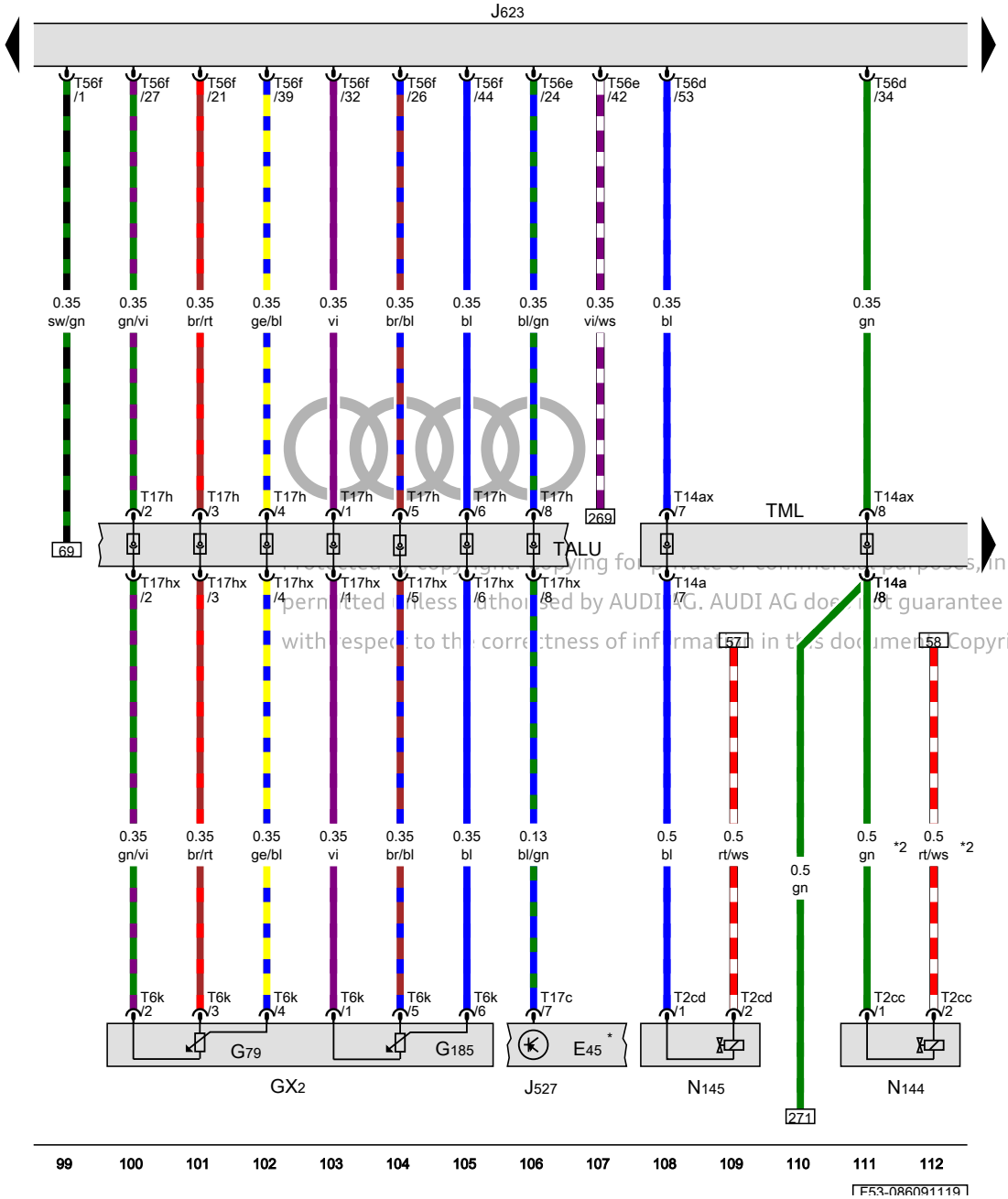

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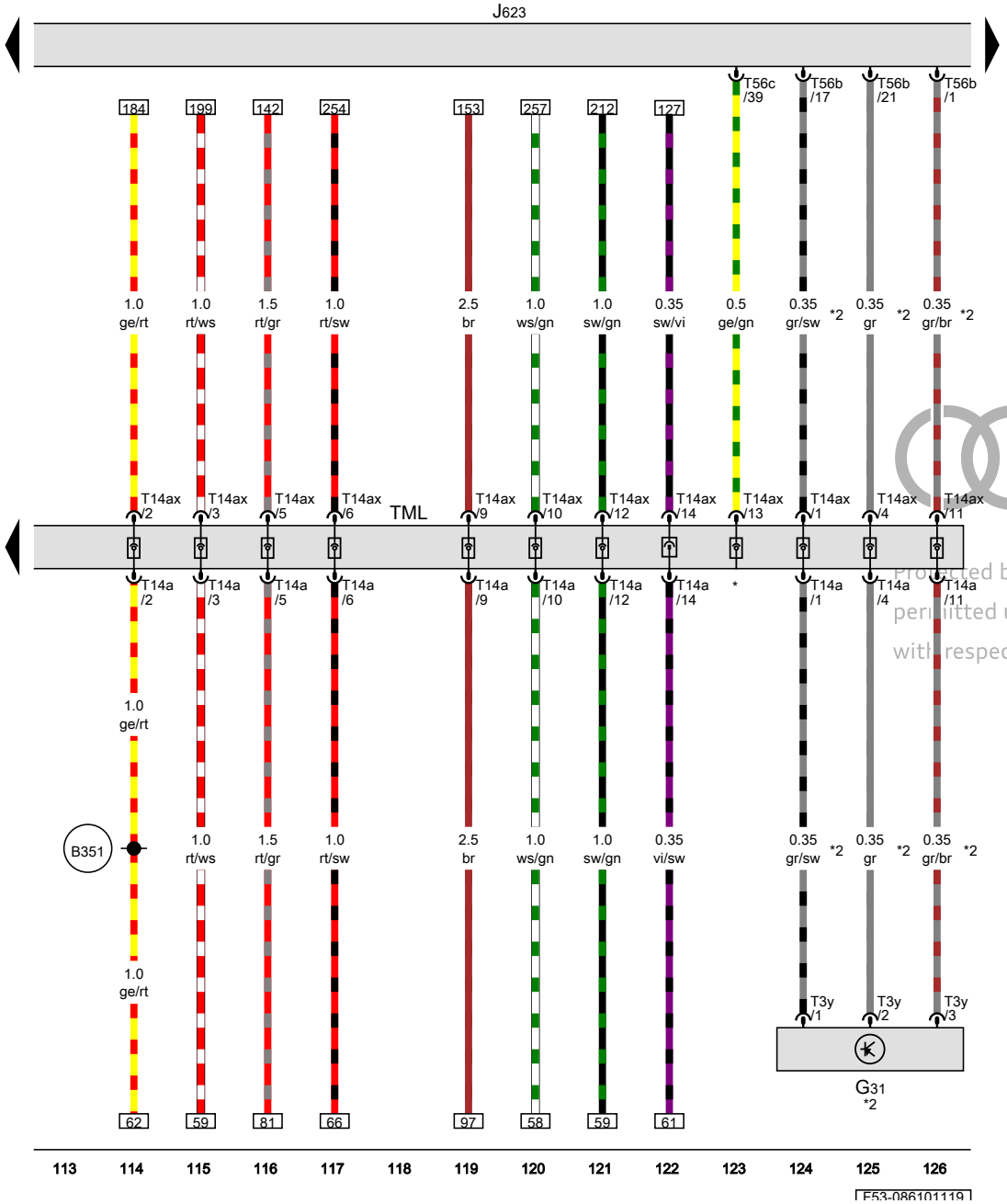
Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T6k	6-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T56d	56-pin connector, black, purple
T56e	56-pin connector, black
T56f	56-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TML	Coupling point in engine compartment, left
*	For models with cruise control system (CCS)
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Charge pressure sender, Engine/motor control unit

G31	Charge pressure sender
J623	Engine/motor control unit, front left in engine compartment
T3y	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
TML	Coupling point in engine compartment, left
B351	Positive connection 2 (87a) in main wiring harness
*	Not used
*2	gradual introduction



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ge	=	yellow
or	=	orange
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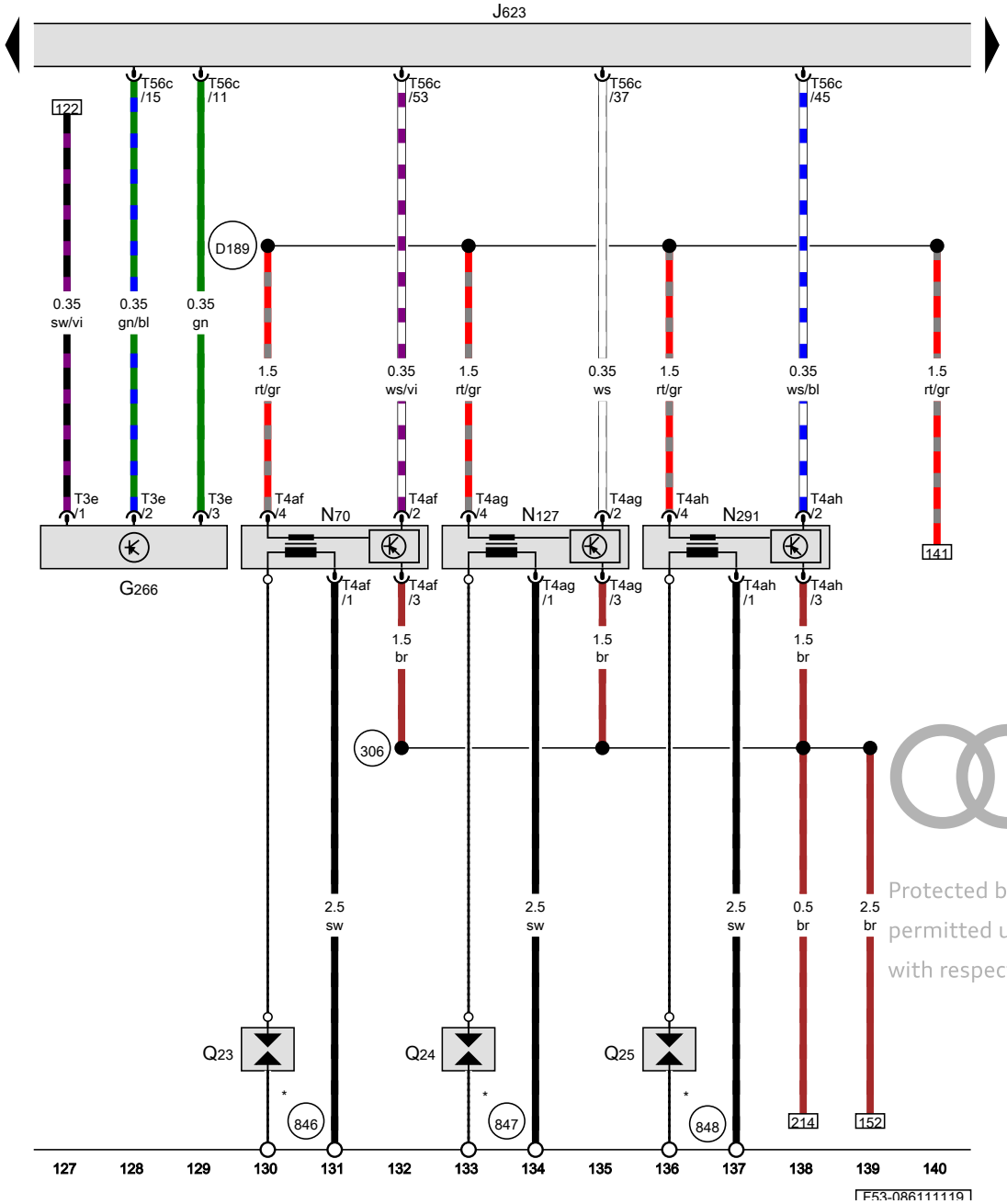

Oil level and oil temperature sender, Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Spark plug 1, Spark plug 2, Spark plug 3

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
T3e	3-pin connector, black
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T56c	56-pin connector, black, blue
306	Earth connection (ignition coils), in engine prewiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
D189	Connection (87a) in engine prewiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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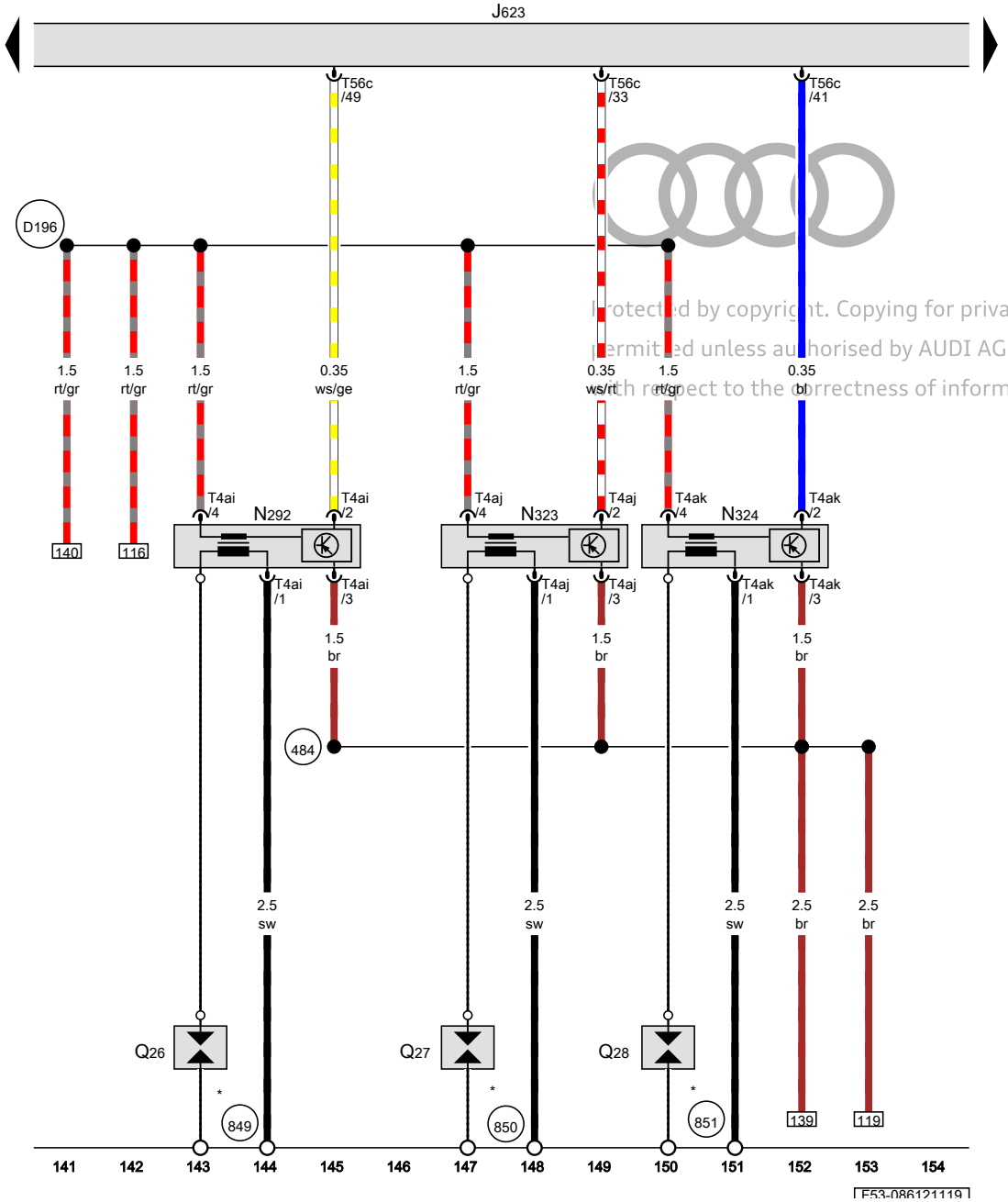

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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Engine/motor control unit, Ignition coil 4 with output stage, Ignition coil 5 with output stage, Ignition coil 6 with output stage, Spark plug 4, Spark plug 5, Spark plug 6

J623	Engine/motor control unit, front left in engine compartment
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
Q26	Spark plug 4
Q27	Spark plug 5
Q28	Spark plug 6
T4ai	4-pin connector, black
T4aj	4-pin connector, black
T4ak	4-pin connector, black
T56c	56-pin connector, black, blue
484	Earth connection 2 (ignition coils), in engine prewiring harness
849	Earth point on ignition coil 4
850	Earth point on ignition coil 5
851	Earth point on ignition coil 6
D196	Connection 2 (87a) in engine prewiring harness
*	Earth supply via housing

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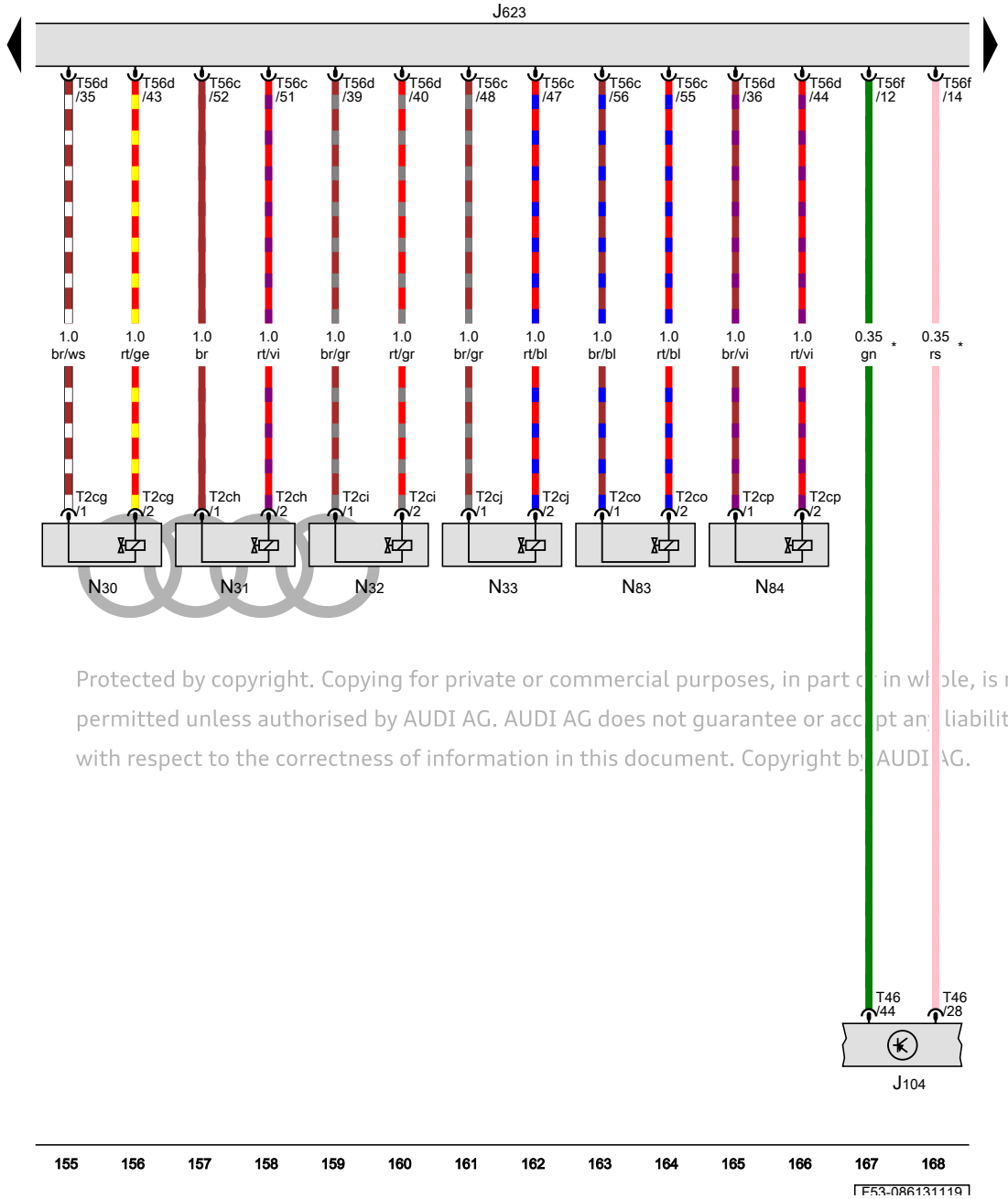

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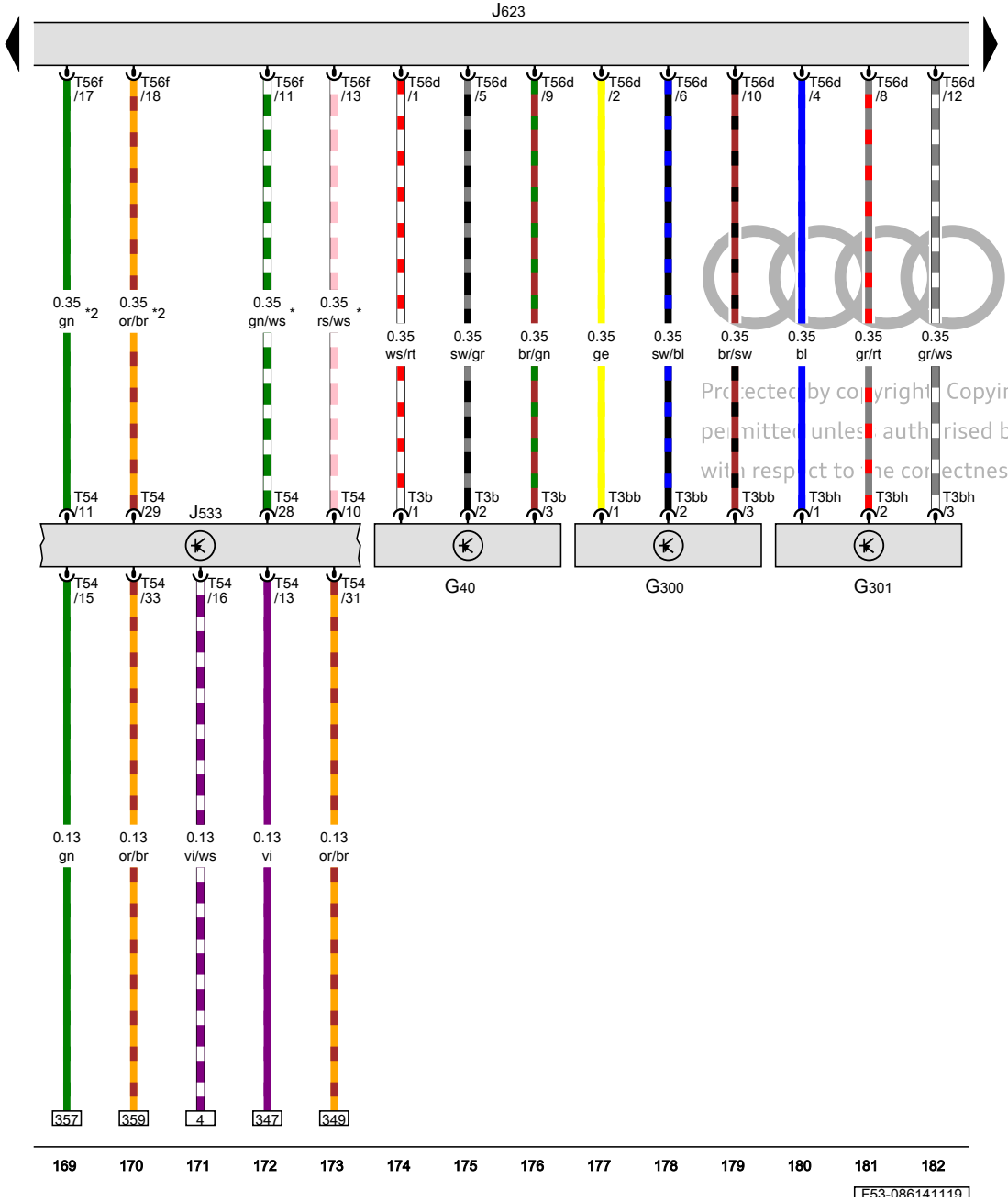
Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Injector, cylinder 6

J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T2co	2-pin connector, black
T2cp	2-pin connector, black
T46	46-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
T56f	56-pin connector, black
*	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Hall sender, Hall sender 3, Hall sender 4, Data bus diagnostic interface, Engine/motor control unit

G40	Hall sender
G300	Hall sender 3
G301	Hall sender 4
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
T3b	3-pin connector, black
T3bb	3-pin connector, black
T3bh	3-pin connector, black
T54	54-pin connector, black
T56d	56-pin connector, black, purple
T56f	56-pin connector, black
*	Data bus wire (FlexRay bus)
*2	Data bus wire (CAN bus)



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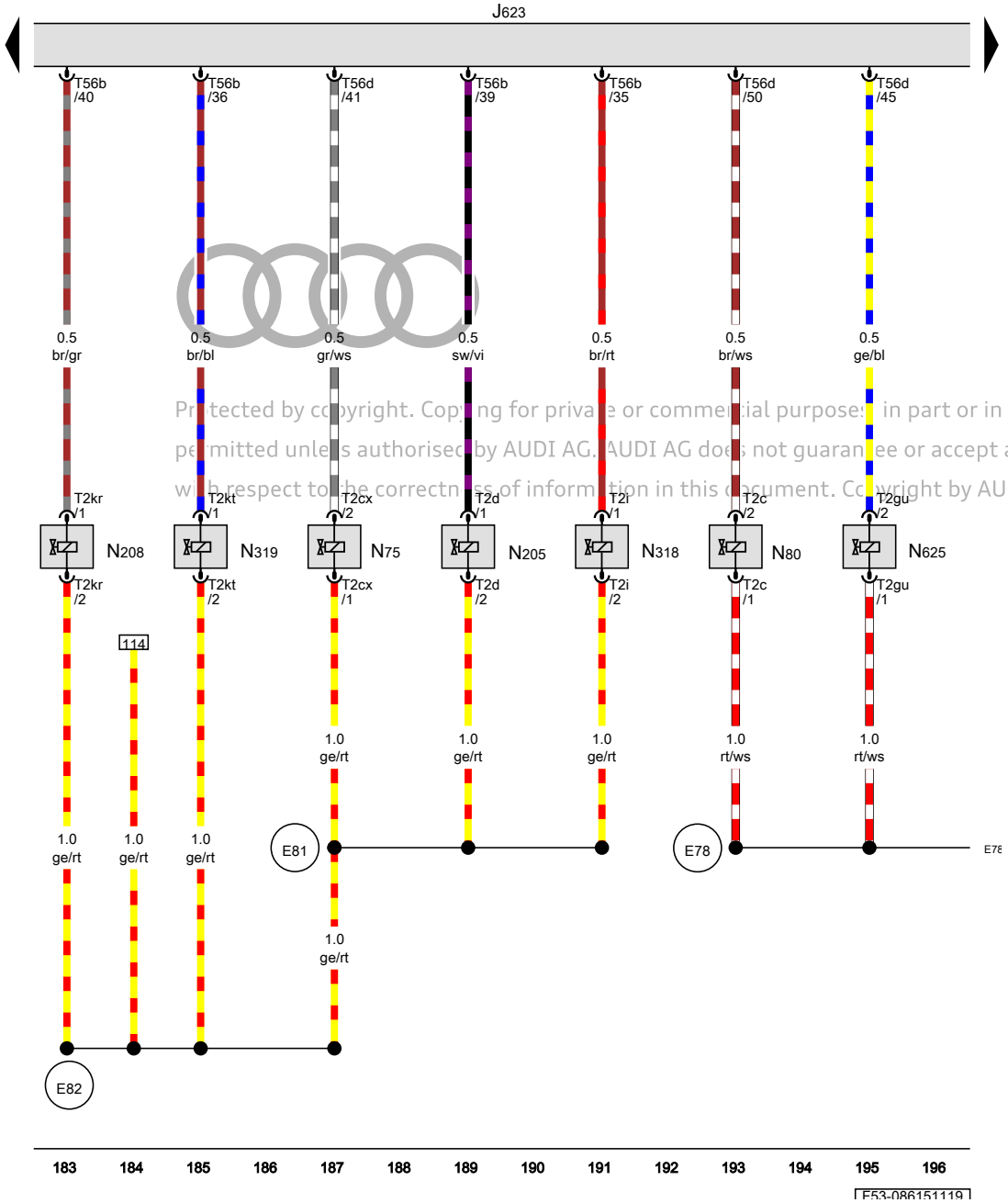

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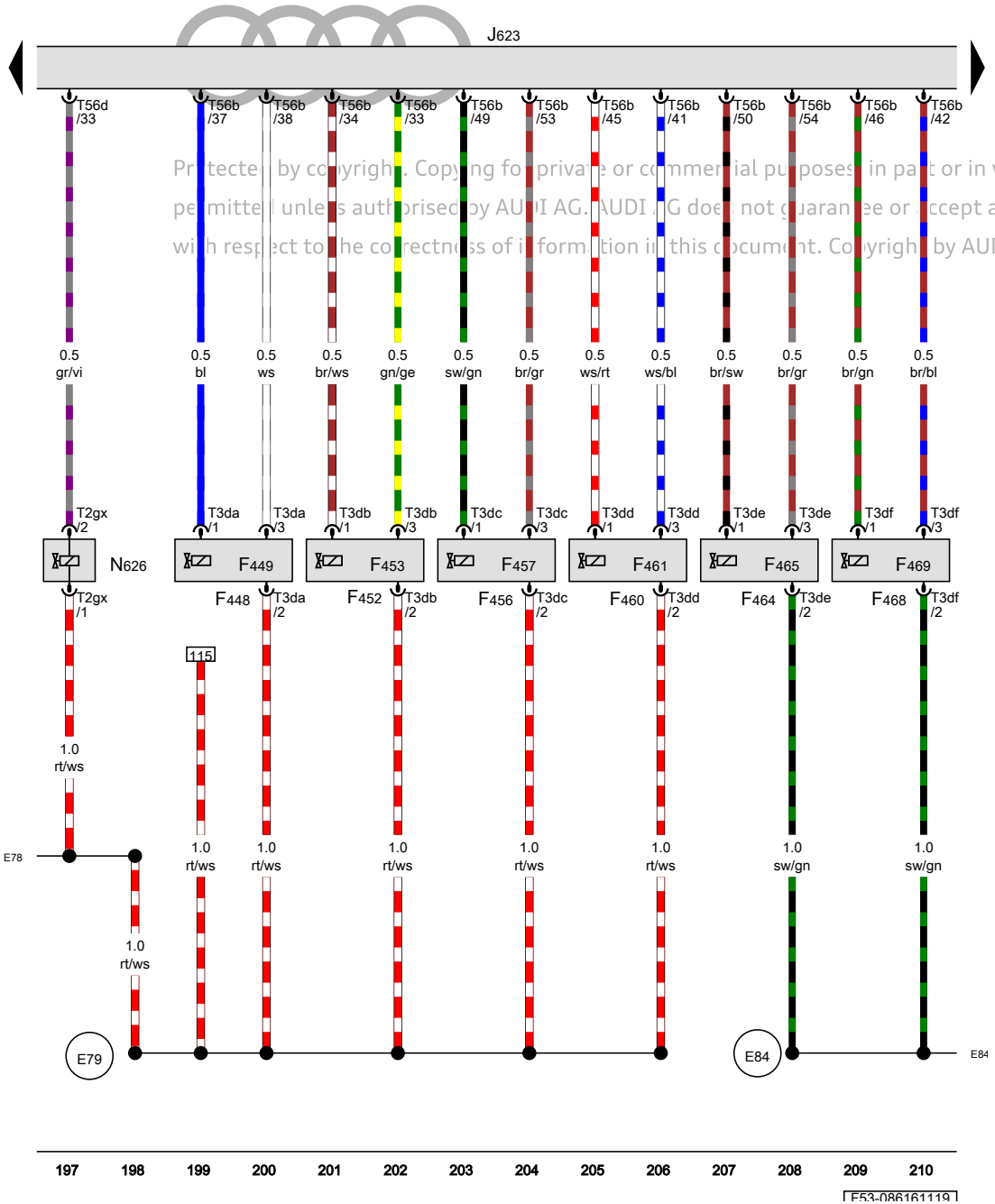
Engine/motor control unit, Charge pressure control solenoid valve, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Camshaft control valve 2, Exhaust camshaft control valve 1, Exhaust camshaft control valve 2, Overrun air recirculation valve for bank 1

J623	Engine/motor control unit, front left in engine compartment
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N208	Camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
N625	Overrun air recirculation valve for bank 1
T2c	2-pin connector, black
T2cx	2-pin connector, black
T2d	2-pin connector, black
T2gu	2-pin connector, black
T2i	2-pin connector, black
T2kr	2-pin connector, black
T2kt	2-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple
E78	Connection 2 (87a) in engine wiring harness
E81	Connection 5 (87a) in engine wiring harness
E82	Connection 6 (87a) in engine wiring harness



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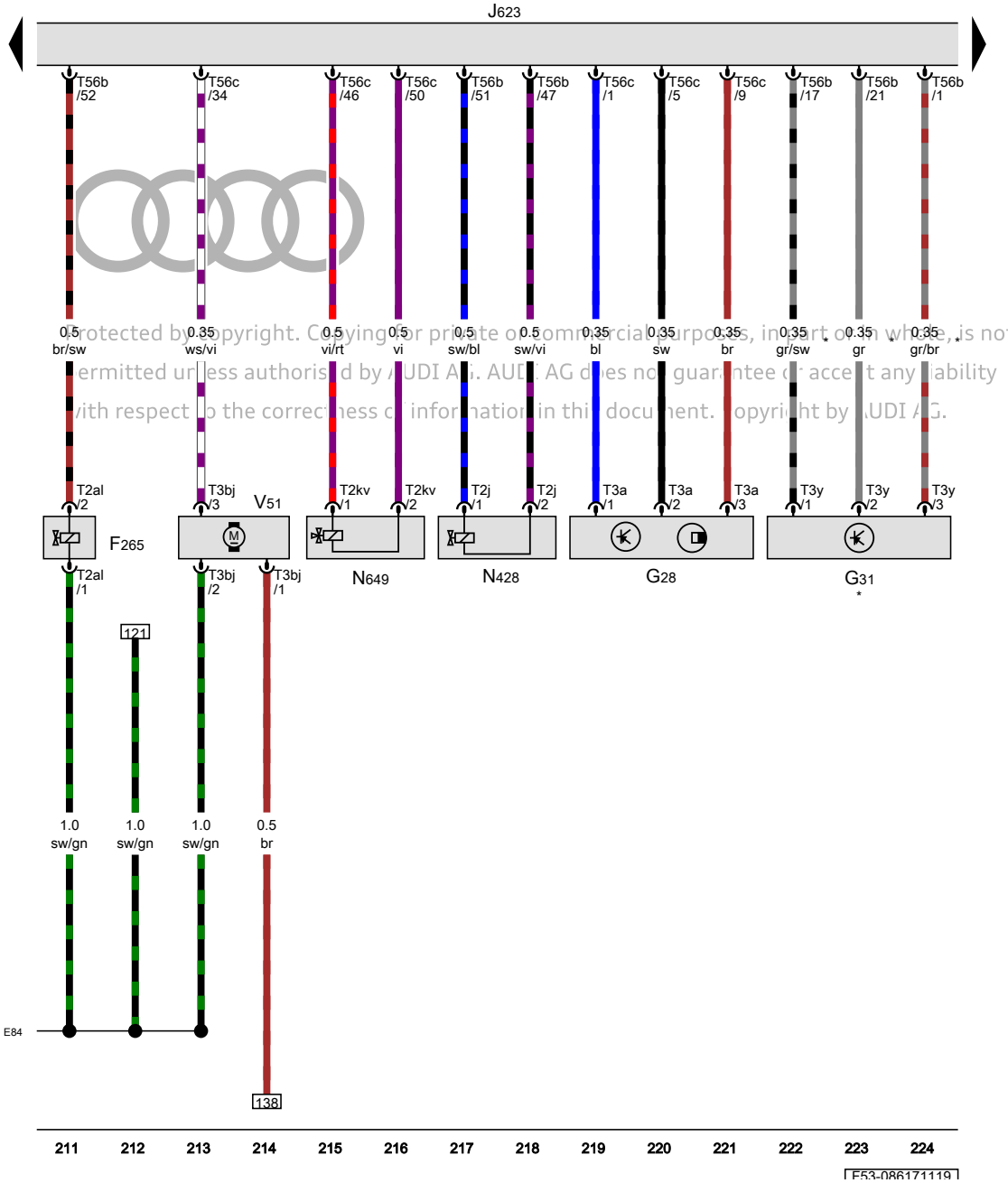
Inlet cam actuator 1 for cylinder 1, Inlet cam actuator 1 for cylinder 2, Inlet cam actuator 1 for cylinder 3, Inlet cam actuator 1 for cylinder 4, Inlet cam actuator 1 for cylinder 5, Inlet cam actuator 1 for cylinder 6, Engine/motor control unit

F448	Inlet cam actuator 1 for cylinder 1
F449	Inlet cam actuator 2 for cylinder 1
F452	Inlet cam actuator 1 for cylinder 2
F453	Inlet cam actuator 2 for cylinder 2
F456	Inlet cam actuator 1 for cylinder 3
F457	Inlet cam actuator 2 for cylinder 3
F460	Inlet cam actuator 1 for cylinder 4
F461	Inlet cam actuator 2 for cylinder 4
F464	Inlet cam actuator 1 for cylinder 5
F465	Inlet cam actuator 2 for cylinder 5
F468	Inlet cam actuator 1 for cylinder 6
F469	Inlet cam actuator 2 for cylinder 6
J623	Engine/motor control unit, front left in engine compartment
N626	Overrun air recirculation valve for bank 2
T2gx	2-pin connector, black
T3da	3-pin connector, black
T3db	3-pin connector, black
T3dc	3-pin connector, black
T3dd	3-pin connector, black
T3de	3-pin connector, black
T3df	3-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple
E78	Connection 2 (87a) in engine wiring harness
E79	Connection 3 (87a) in engine wiring harness
E84	Connection 8 (87a) in engine wiring harness



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Map-controlled engine cooling system thermostat, Engine speed sender, Charge pressure sender, Engine/motor control unit, Valve for oil pressure control, Switch valve for mechanical coolant pump, Continued coolant circulation pump

F265	Map-controlled engine cooling system thermostat
G28	Engine speed sender
G31	Charge pressure sender
J623	Engine/motor control unit, front left in engine compartment
N428	Valve for oil pressure control
N649	Switch valve for mechanical coolant pump
T2al	2-pin connector, black
T2j	2-pin connector, black
T2kv	2-pin connector, black
T3a	3-pin connector, black
T3bj	3-pin connector, black
T3y	3-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
V51	Continued coolant circulation pump
E84	Connection 8 (87a) in engine wiring harness
*	Gradually discontinued

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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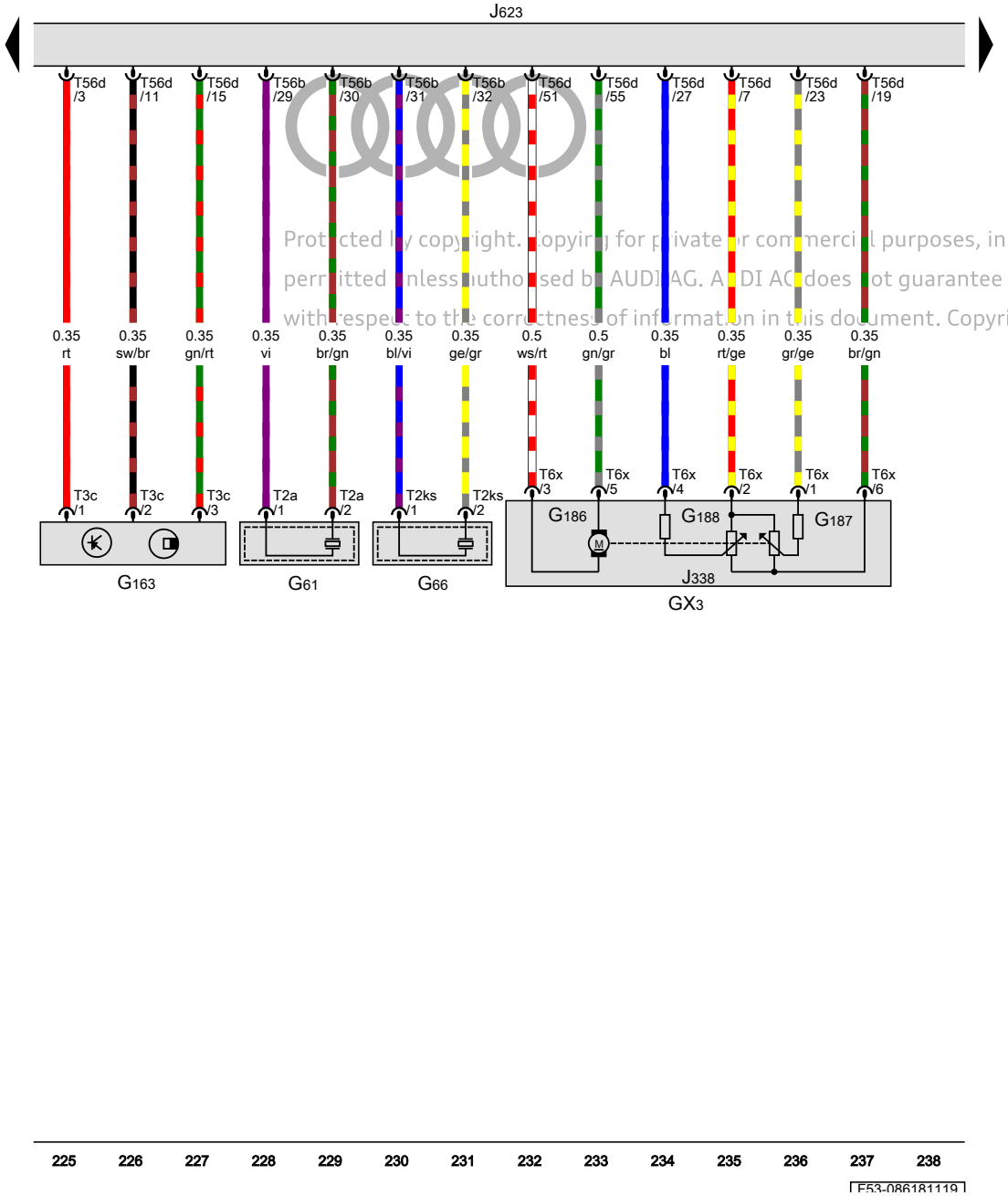

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Throttle valve module, Knock sensor 1, Knock sensor 2, Hall sender 2, Engine/motor control unit

GX3	Throttle valve module
G61	Knock sensor 1
G66	Knock sensor 2
G163	Hall sender 2
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T2a	2-pin connector, black
T2ks	2-pin connector, black
T3c	3-pin connector, black
T6x	6-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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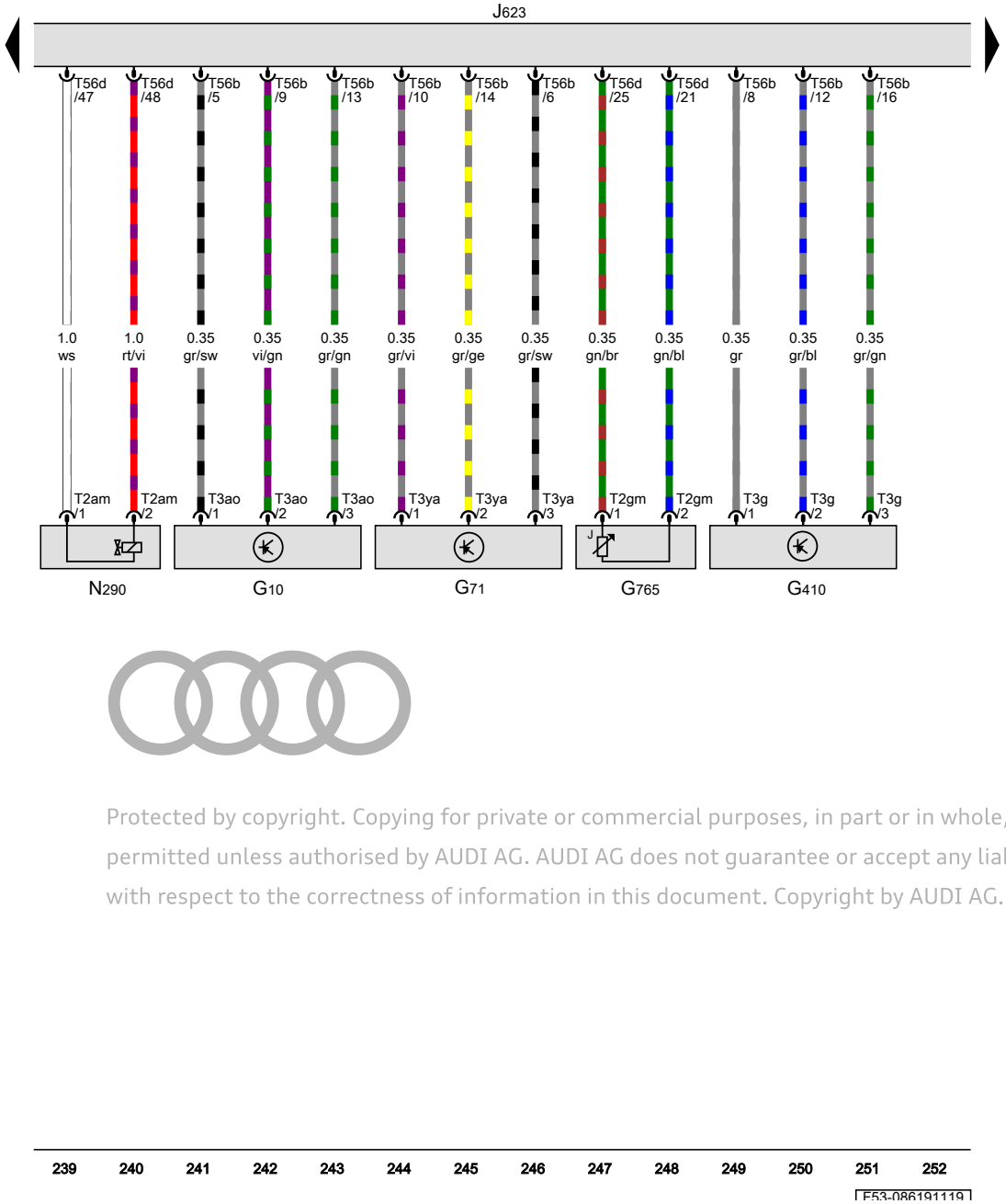

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Oil pressure sender, Intake manifold pressure sender, Fuel pressure sender for low pressure, Temperature sender for engine cover panel, Engine/motor control unit, Fuel metering valve

G10	Oil pressure sender
G71	Intake manifold pressure sender
G410	Fuel pressure sender for low pressure
G765	Temperature sender for engine cover panel
J623	Engine/motor control unit, front left in engine compartment
N290	Fuel metering valve
T2am	2-pin connector, black
T2gm	2-pin connector, black
T3ao	3-pin connector, black
T3g	3-pin connector, black
T3ya	3-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple

ws	=	white
sw	=	black
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rt	=	red
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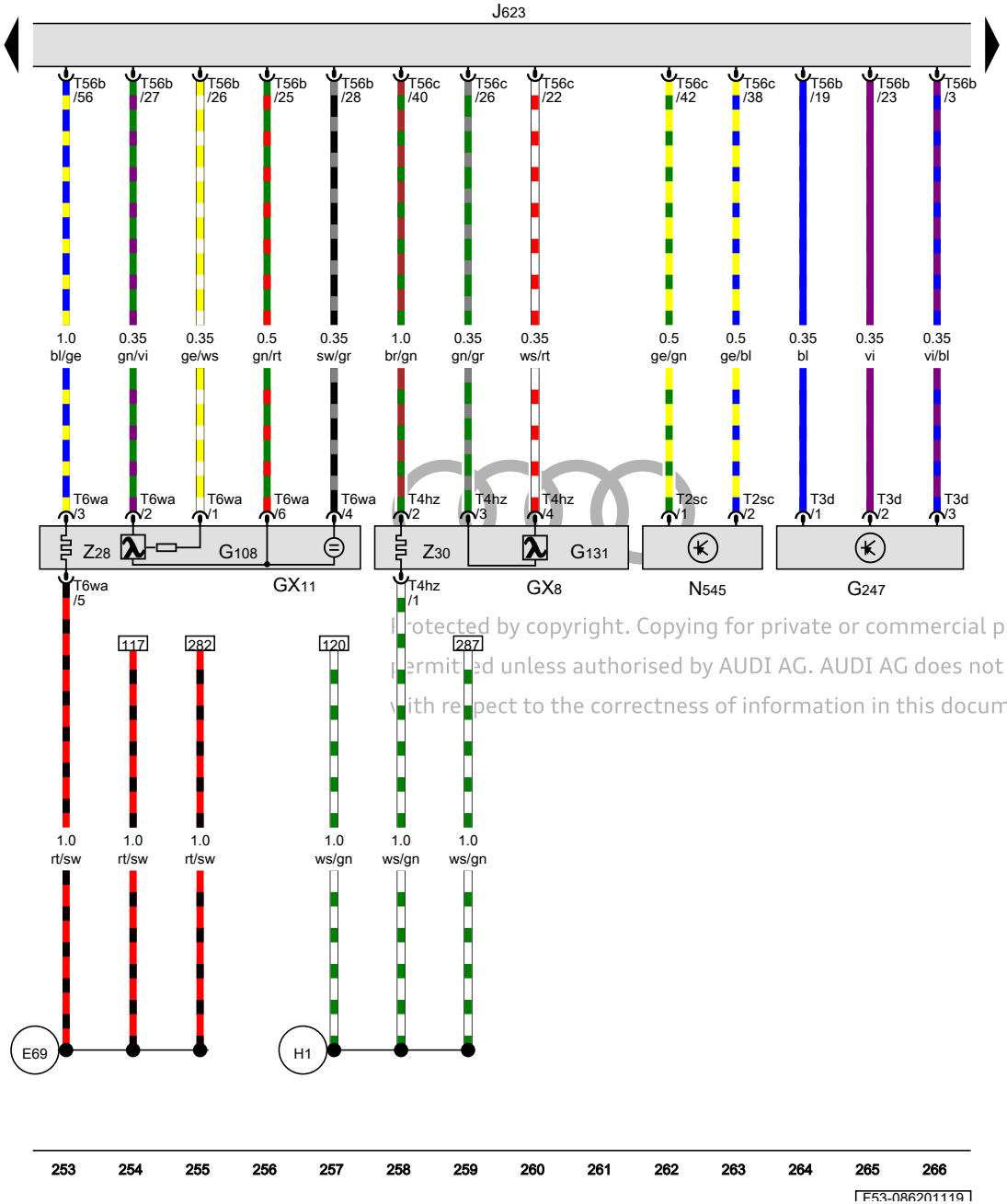
rs	=	pink



Lambda probe 2 after catalytic converter, Lambda probe 2 before catalytic converter, Fuel pressure sender, Engine/ motor control unit, Coolant valve for cylinder block

GX8	Lambda probe 2 after catalytic converter
GX11	Lambda probe 2 before catalytic converter
G108	Lambda probe 2
G131	Lambda probe 2 after catalytic converter
G247	Fuel pressure sender
J623	Engine/motor control unit, front left in engine compartment
N545	Coolant valve for cylinder block
T2sc	2-pin connector, black
T3d	3-pin connector, black
T4hz	4-pin connector, black
T6wa	6-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
Z28	Lambda probe heater 2
Z30	Lambda probe 2 heater after catalytic converter
E69	Connection 2 (Lambda probe heating) in Motronic wiring harness
H1	Positive connection, in Lambda wiring harness

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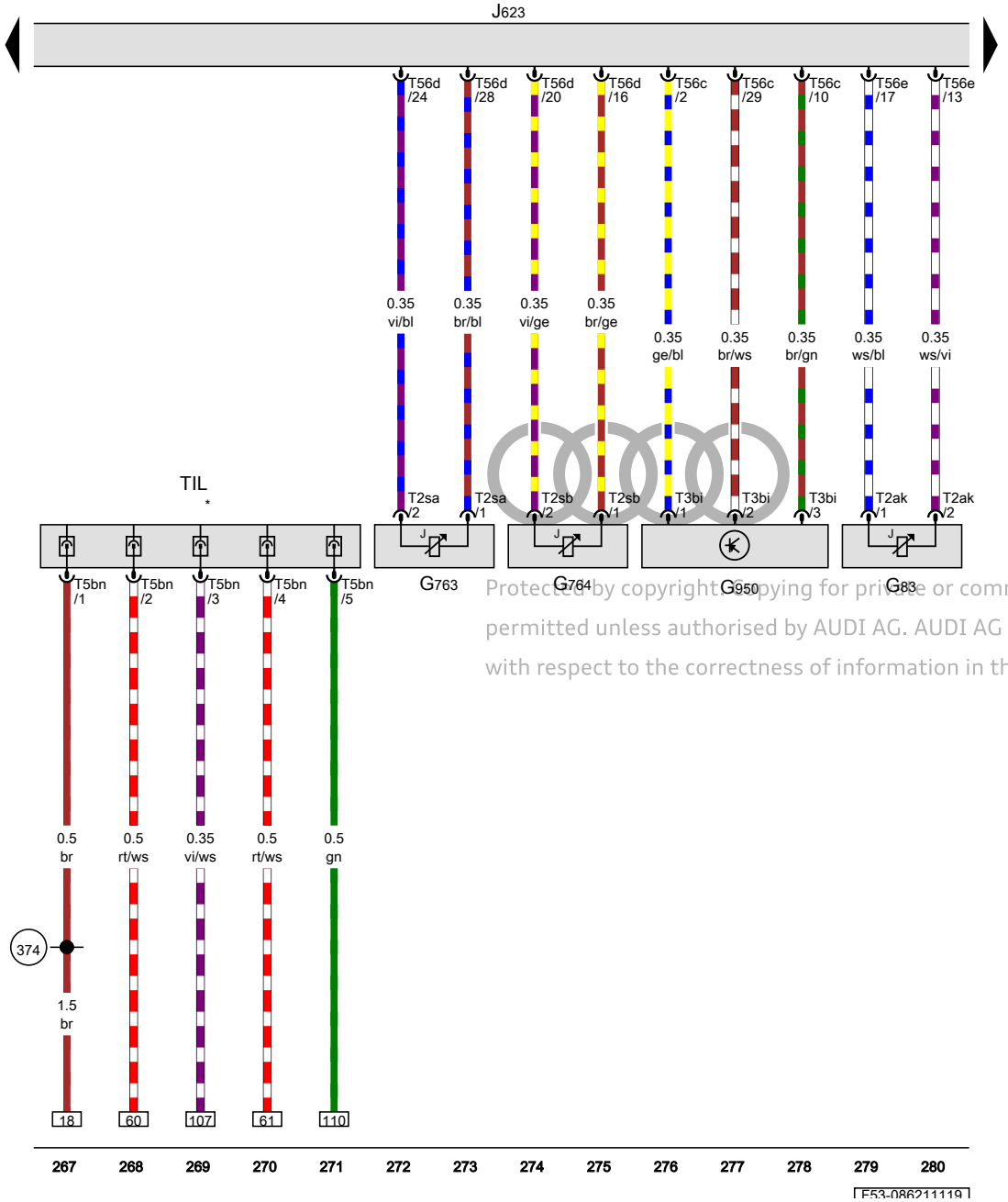

Radiator outlet coolant temperature sender, Temperature sender 1 for charge air cooler, Temperature sender 2 for charge air cooler, Tank breather pressure sensor 1, Engine/ motor control unit, Coupling point in interior, left

G83	Radiator outlet coolant temperature sender
G763	Temperature sender 1 for charge air cooler
G764	Temperature sender 2 for charge air cooler
G950	Tank breather pressure sensor 1
J623	Engine/motor control unit, front left in engine compartment
T2ak	2-pin connector, black
T2sa	2-pin connector, black
T2sb	2-pin connector, black
T3bi	3-pin connector, black
T5bn	5-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
T56e	56-pin connector, black
TIL	Coupling point in interior, left
374	Earth connection 9, in main wiring harness
*	Not used

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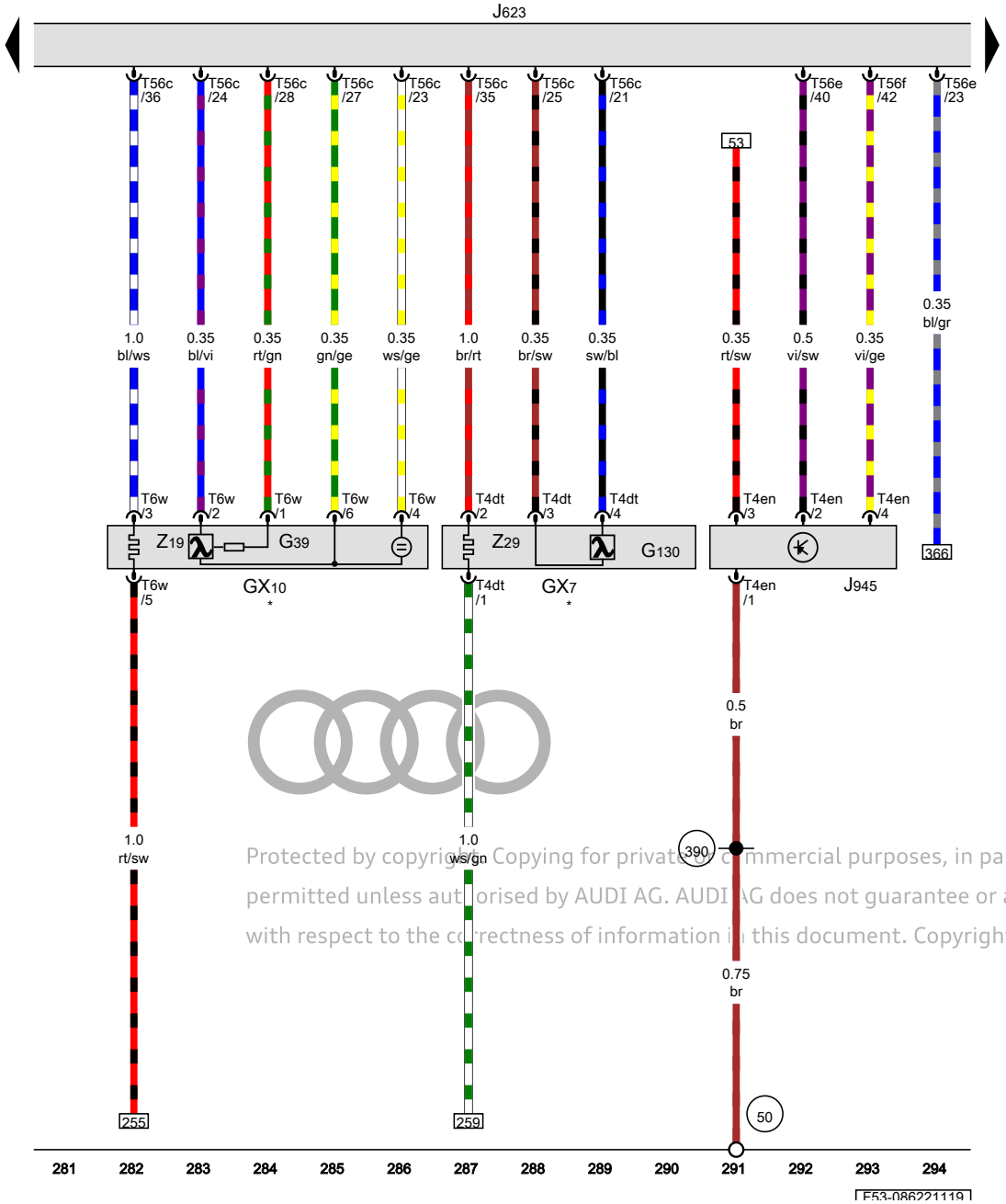

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gn = green
bl = blue
gr = grey
li = purple
vi = purple
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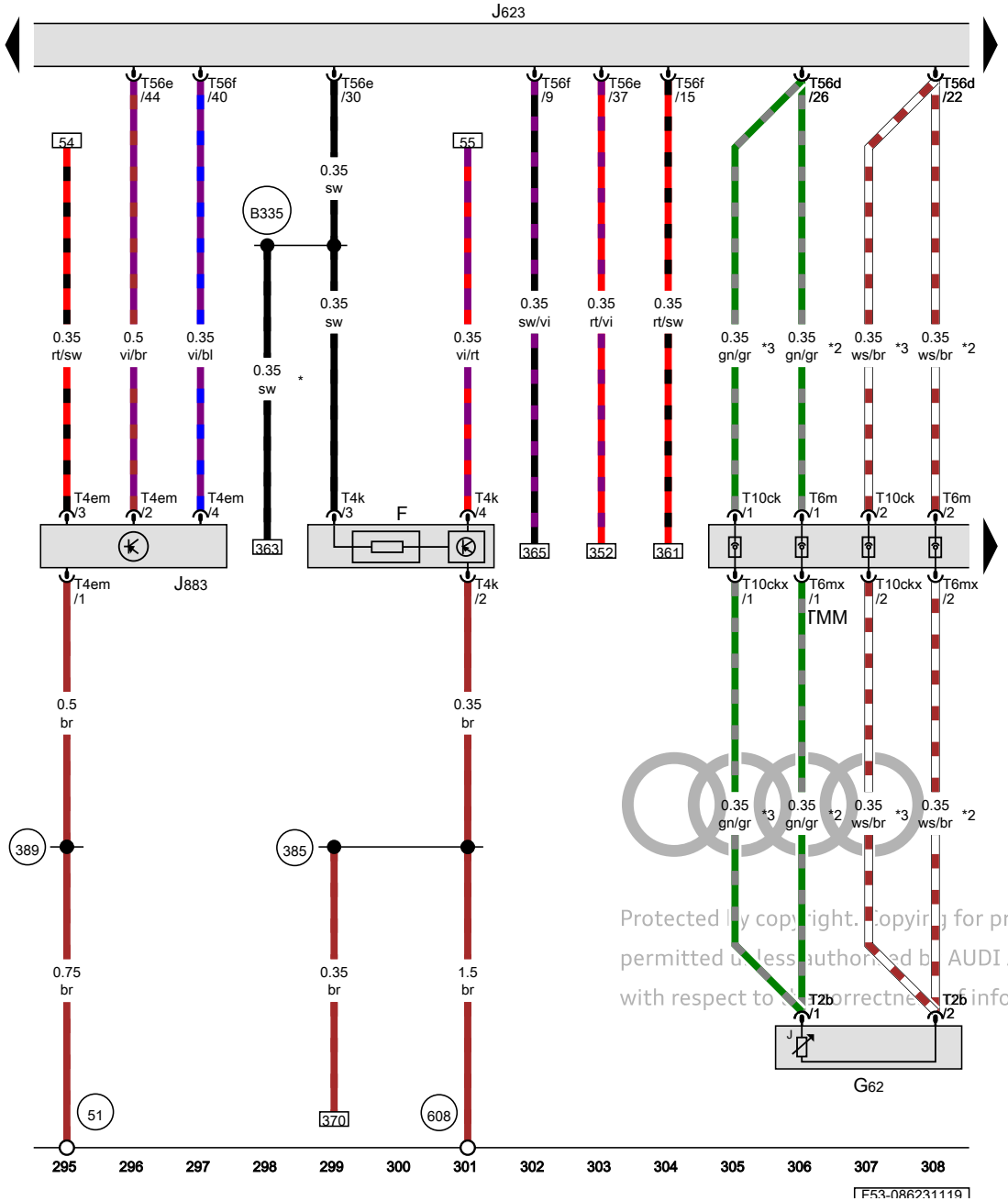
Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Lambda probe, Lambda probe after catalytic converter, Engine/motor control unit, Exhaust flap control unit 2, Lambda probe heater, Lambda probe 1 heater after catalytic converter

GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine/motor control unit, front left in engine compartment
J945	Exhaust flap control unit 2
T4dt	4-pin connector, black
T4en	4-pin connector, black
T6w	6-pin connector, black
T56c	56-pin connector, black, blue
T56e	56-pin connector, black
T56f	56-pin connector, black
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
*	Pre-wired component



Brake light switch, Coolant temperature sender, Engine/ motor control unit, Exhaust flap control unit

F	Brake light switch, on brake servo
G62	Coolant temperature sender
J623	Engine/motor control unit, front left in engine compartment
J883	Exhaust flap control unit
T2b	2-pin connector, black
T4em	4-pin connector, black
T4k	4-pin connector, black
T6m	6-pin connector, black
T6mx	6-pin connector, black
T10ck	10-pin connector, black
T10ckx	10-pin connector, black
T56d	56-pin connector, black, purple
T56e	56-pin connector, black
T56f	56-pin connector, black
TMM	Coupling point in engine compartment, centre
51	Earth point, on right in luggage compartment
385	Earth connection 20, in main wiring harness
389	Earth connection 24, in main wiring harness
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
*	Cross section depends on equipment
*2	Gradually discontinued
*3	gradual introduction

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rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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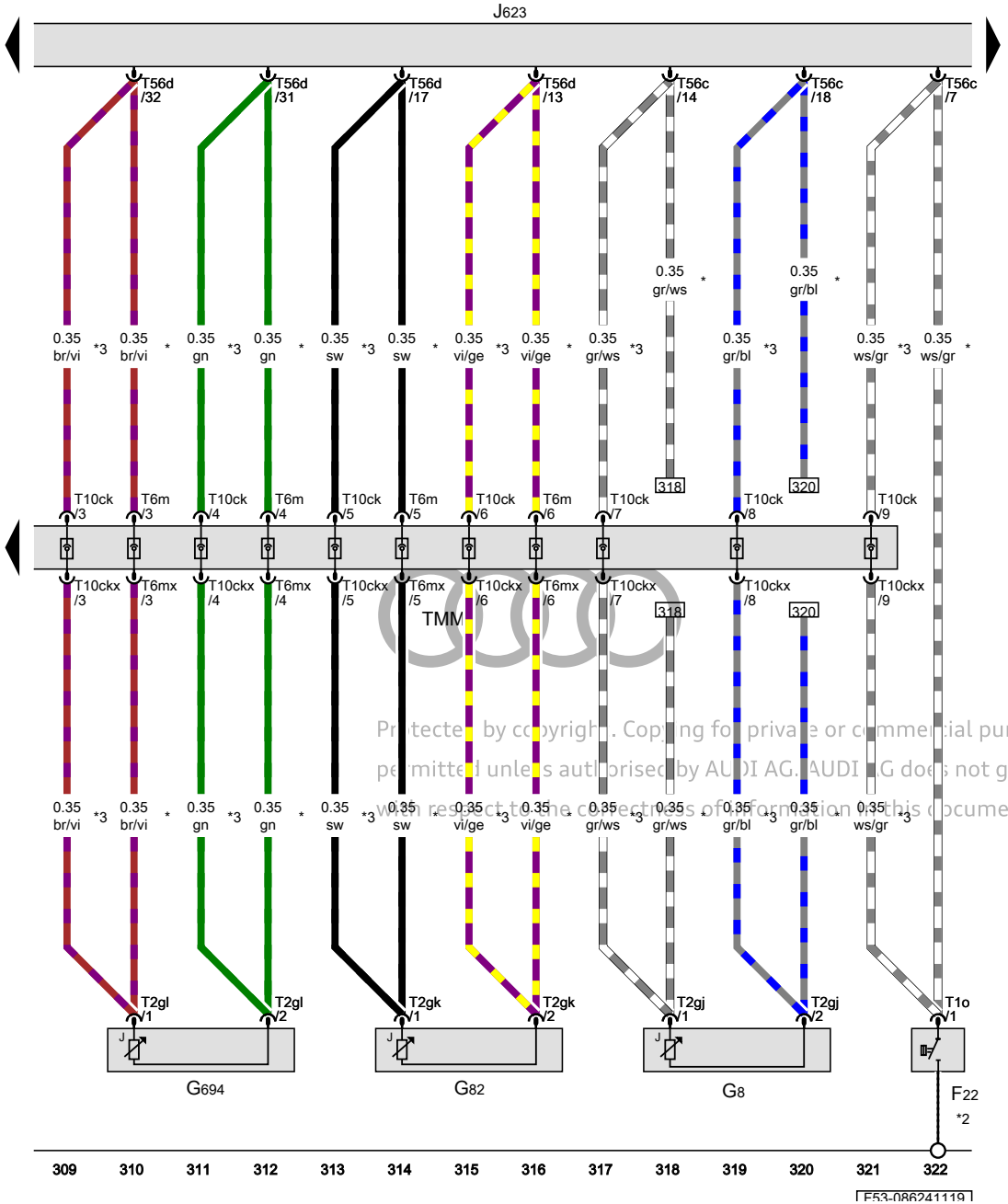
Oil pressure switch, Oil temperature sender, Engine outlet coolant temperature sender, Temperature sender for engine temperature regulation, Engine/motor control unit

F22	Oil pressure switch
G8	Oil temperature sender
G82	Engine outlet coolant temperature sender
G694	Temperature sender for engine temperature regulation
J623	Engine/motor control unit, front left in engine compartment
T1o	1-pin connector, black
T2gj	2-pin connector, black
T2gk	2-pin connector, black
T2gl	2-pin connector, black
T6m	6-pin connector, black
T6mx	6-pin connector, black
T10ck	10-pin connector, black
T10ckx	10-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
TMM	Coupling point in engine compartment, centre
*	Gradually discontinued
*2	Earth supply via housing
*3	gradual introduction



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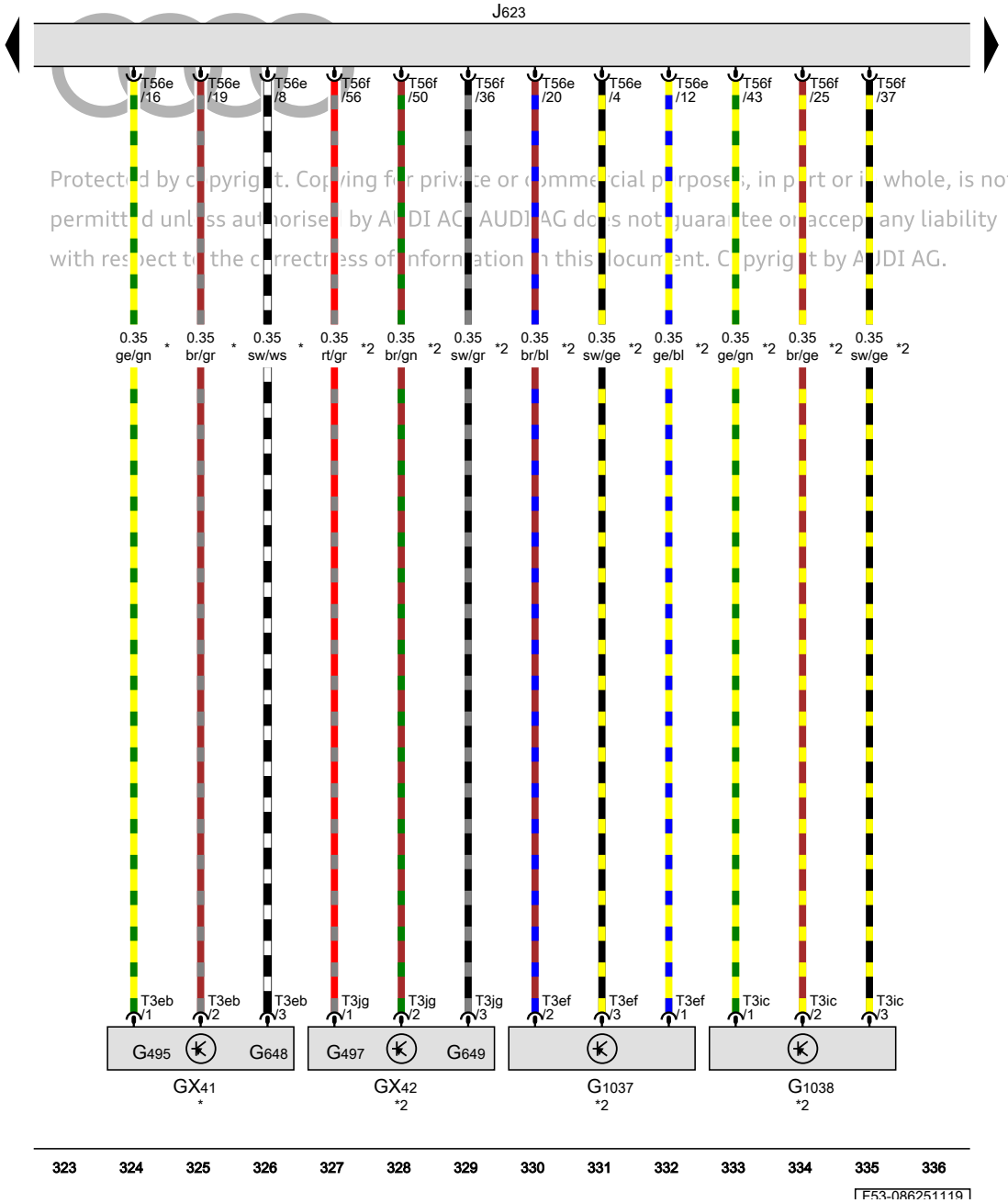

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Dual exhaust gas temperature sensor 1, Dual exhaust gas temperature sensor 2, Pressure differential sender for particulate filter, Pressure differential sender 2 for particulate filter, Engine/motor control unit

GX41	Dual exhaust gas temperature sensor 1
GX42	Dual exhaust gas temperature sensor 2
G495	Exhaust gas temperature sender 3
G497	Exhaust gas temperature sender 3 for bank 2
G648	Exhaust gas temperature sender 4
G649	Exhaust gas temperature sender 4 for bank 2
G1037	Pressure differential sender for particulate filter
G1038	Pressure differential sender 2 for particulate filter
J623	Engine/motor control unit, front left in engine compartment
T3eb	3-pin connector, black
T3ef	3-pin connector, black
T3ic	3-pin connector, black
T3jg	3-pin connector, black
T56e	56-pin connector, black
T56f	56-pin connector, black
*	According to equipment
*2	For emission standard Euro 6 DG

ws	=	white
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ro	=	red
rt	=	red
br	=	brown
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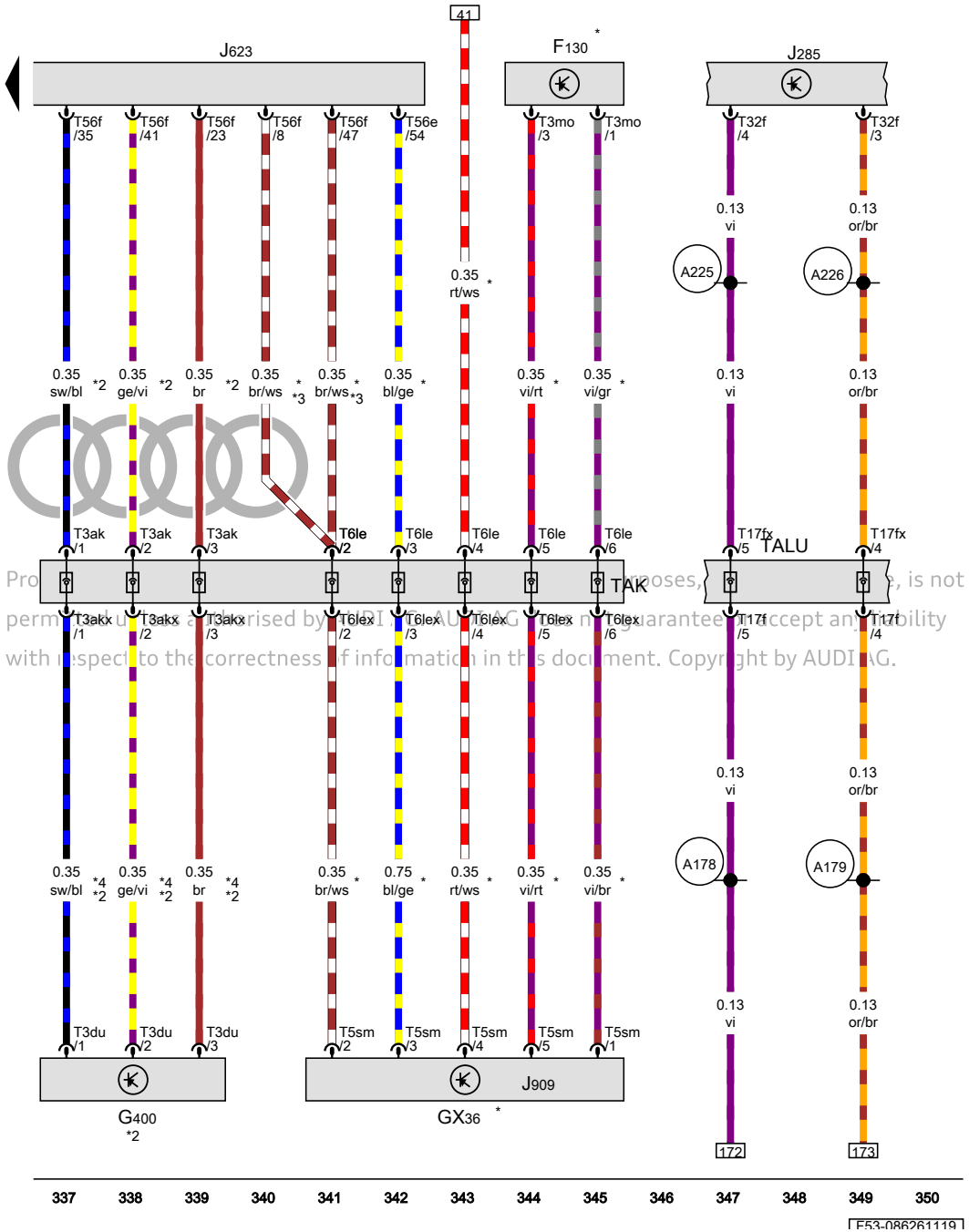

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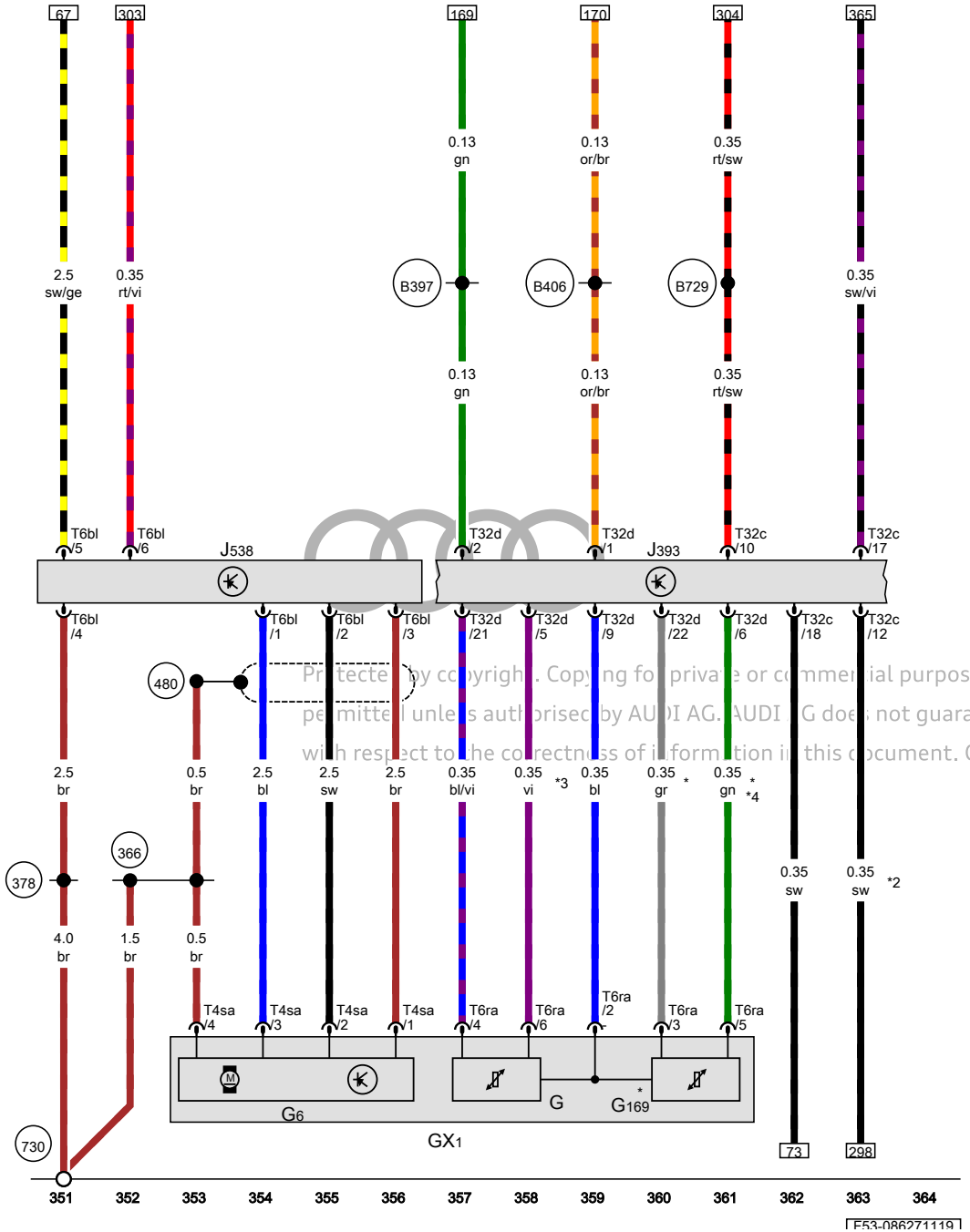
Fuel pump run-on pressure switch, Fuel tank leak detection module, Control unit in dash panel insert, Engine/motor control unit

F130	Fuel pump run-on pressure switch
GX36	Fuel tank leak detection module
G400	Tank pressure sensor
J285	Control unit in dash panel insert
J623	Engine/motor control unit, front left in engine compartment
J909	Control unit for fuel tank leak detection
T3ak	3-pin connector, black
T3akx	3-pin connector, black
T3du	3-pin connector, black
T3mo	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
T56e	56-pin connector, black
T56f	56-pin connector, black
TAK	Coupling point for fuel tank
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	For American markets
*2	For models with equipment for China
*3	According to equipment
*4	Different wire colour possible



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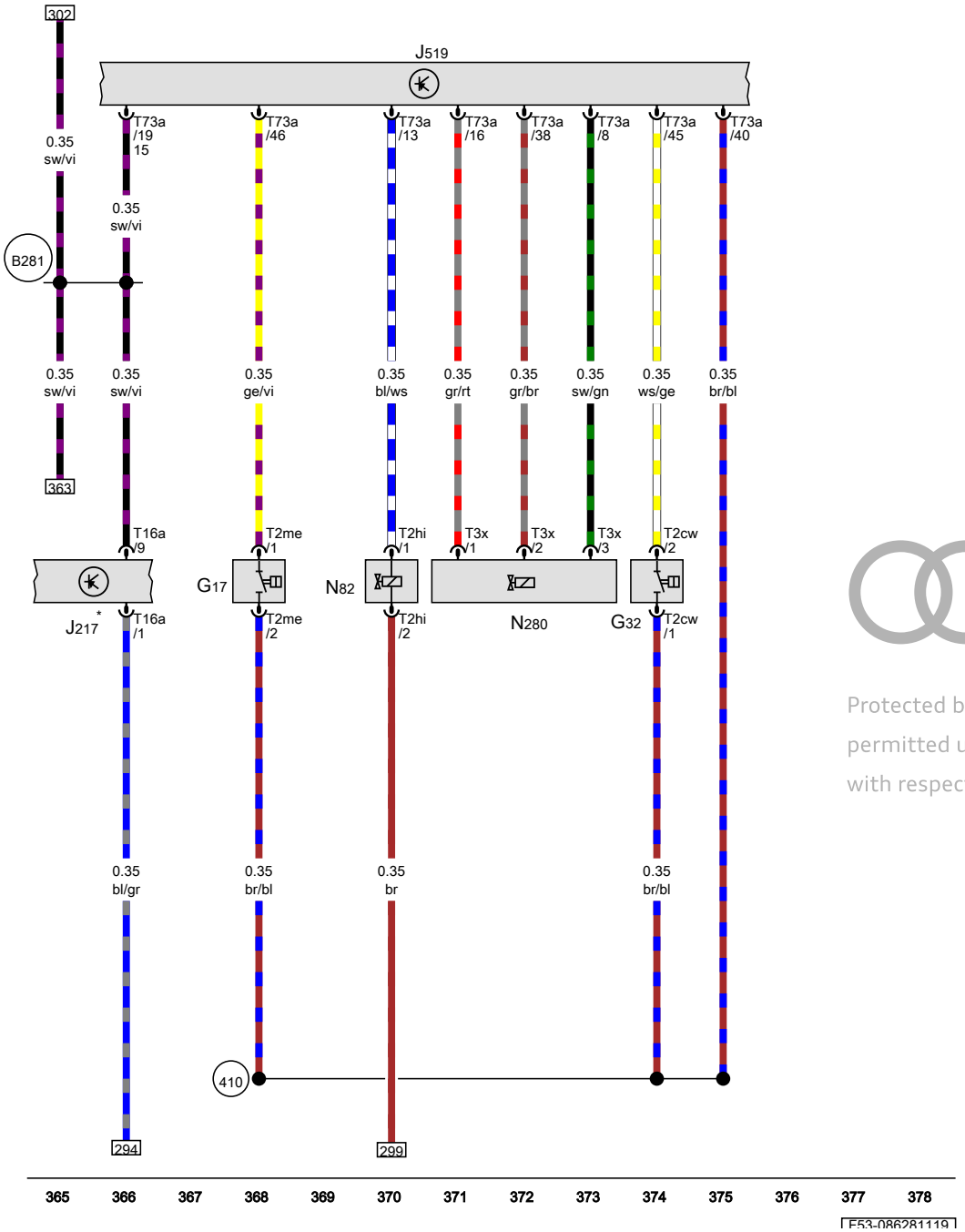
Fuel delivery unit, Convenience system central control unit, Fuel pump control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Cross section depends on equipment
*3	According to equipment
*4	Up to July 2018



Ambient temperature sensor, Coolant shortage indicator sender, Automatic gearbox control unit, Onboard supply control unit, Coolant shut-off valve, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
J217	Automatic gearbox control unit
J519	Onboard supply control unit
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T2me	2-pin connector, black
T3x	3-pin connector, black
T16a	16-pin connector, black
T73a	73-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for automatic gearbox

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3.0l diesel engine , DEWA,DEWB

From May 2017

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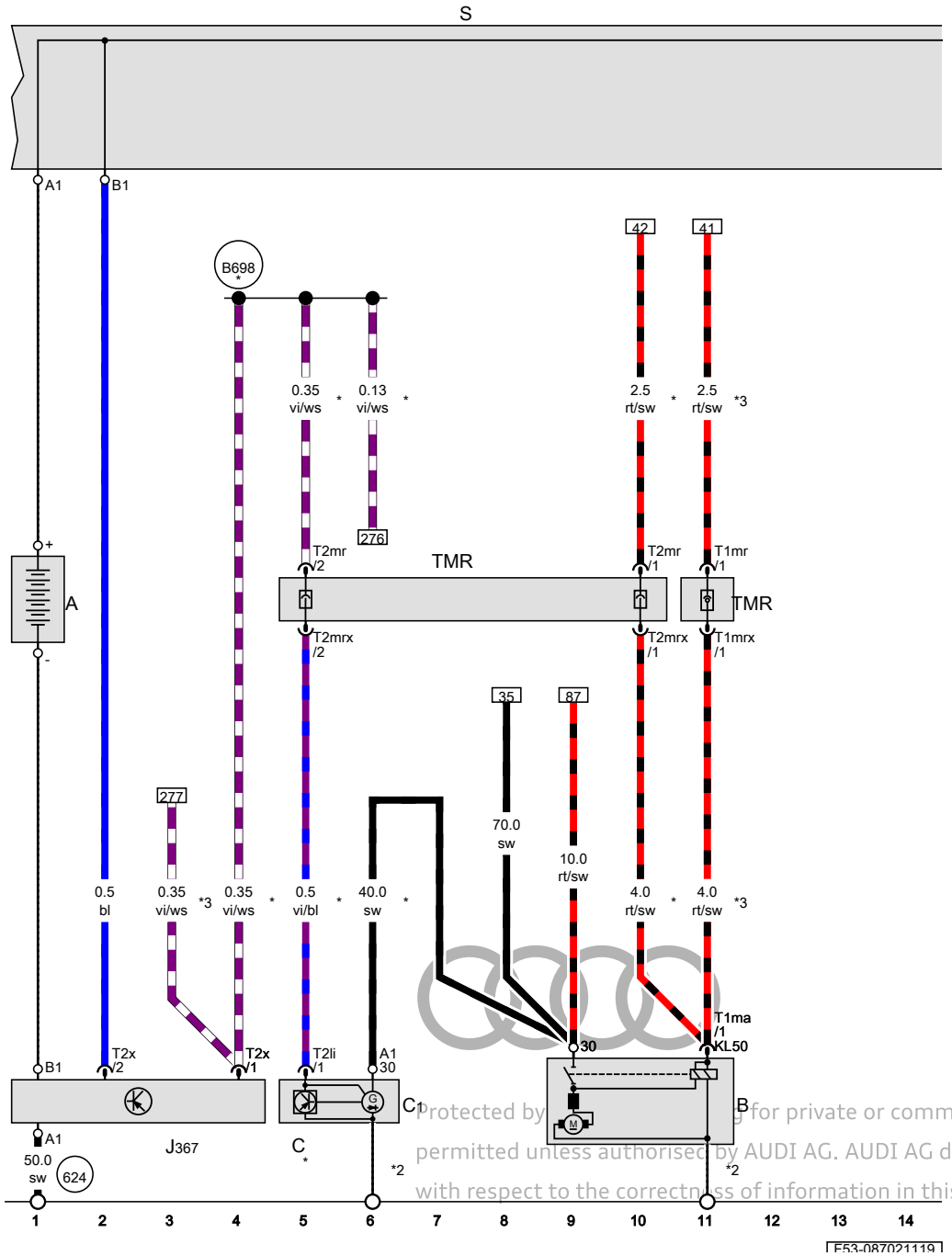

Battery, Starter, Alternator, Battery monitor control unit, Fuses in fuse holder

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J367	Battery monitor control unit
S	Fuses in fuse holder
T1ma	1-pin connector, black
T1mr	1-pin connector, black
T1mrx	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B698	Connection 3 (LIN bus) in main wiring harness
*	For models with no 48 V hybrid system
*2	Earth supply via housing
*3	For models with 48 V hybrid system

ws	=	white
sw	=	black
ro	=	red
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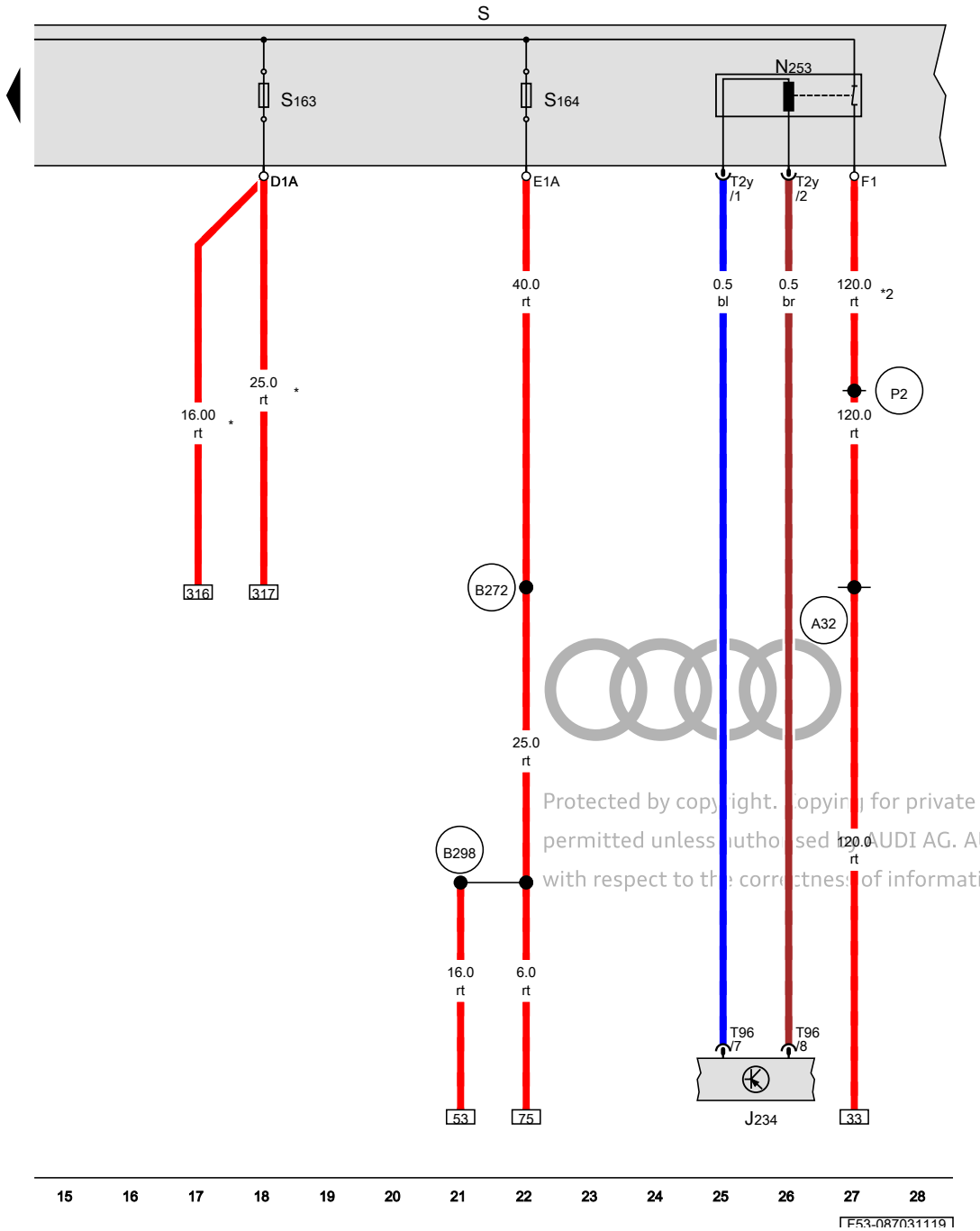

Battery isolation igniter, Fuses in fuse holder

J234	Airbag control unit
N253	Battery isolation igniter
S	Fuses in fuse holder
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
A32	Positive connection (30), in dash panel wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
P2	Positive connection (30), in battery wiring harness
*	According to equipment
*2	Cross section depends on equipment

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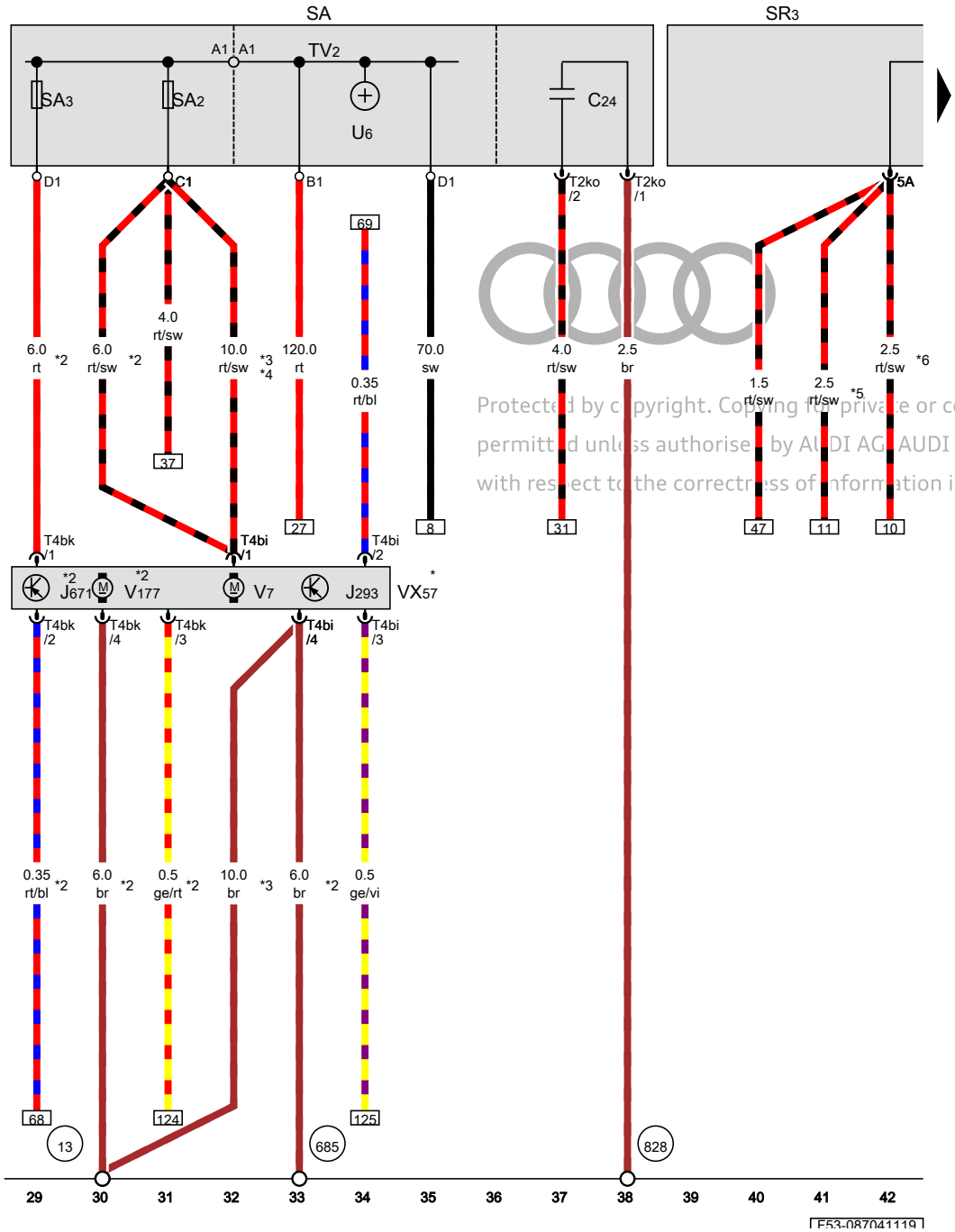

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Suppression filter, Fuse holder A, Relay and fuse carrier 3, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
J671	Radiator fan control unit 2
SA	Fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SR3	Relay and fuse carrier 3
T2ko	2-pin connector, black
T4bi	4-pin connector, black
T4bk	4-pin connector, black
TV2	Terminal 30 wiring junction
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
V177	Radiator fan 2
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with towing bracket
*3	For models with no towing bracket
*4	Different wire colour possible
*5	For models with 48 V hybrid system
*6	For models with no 48 V hybrid system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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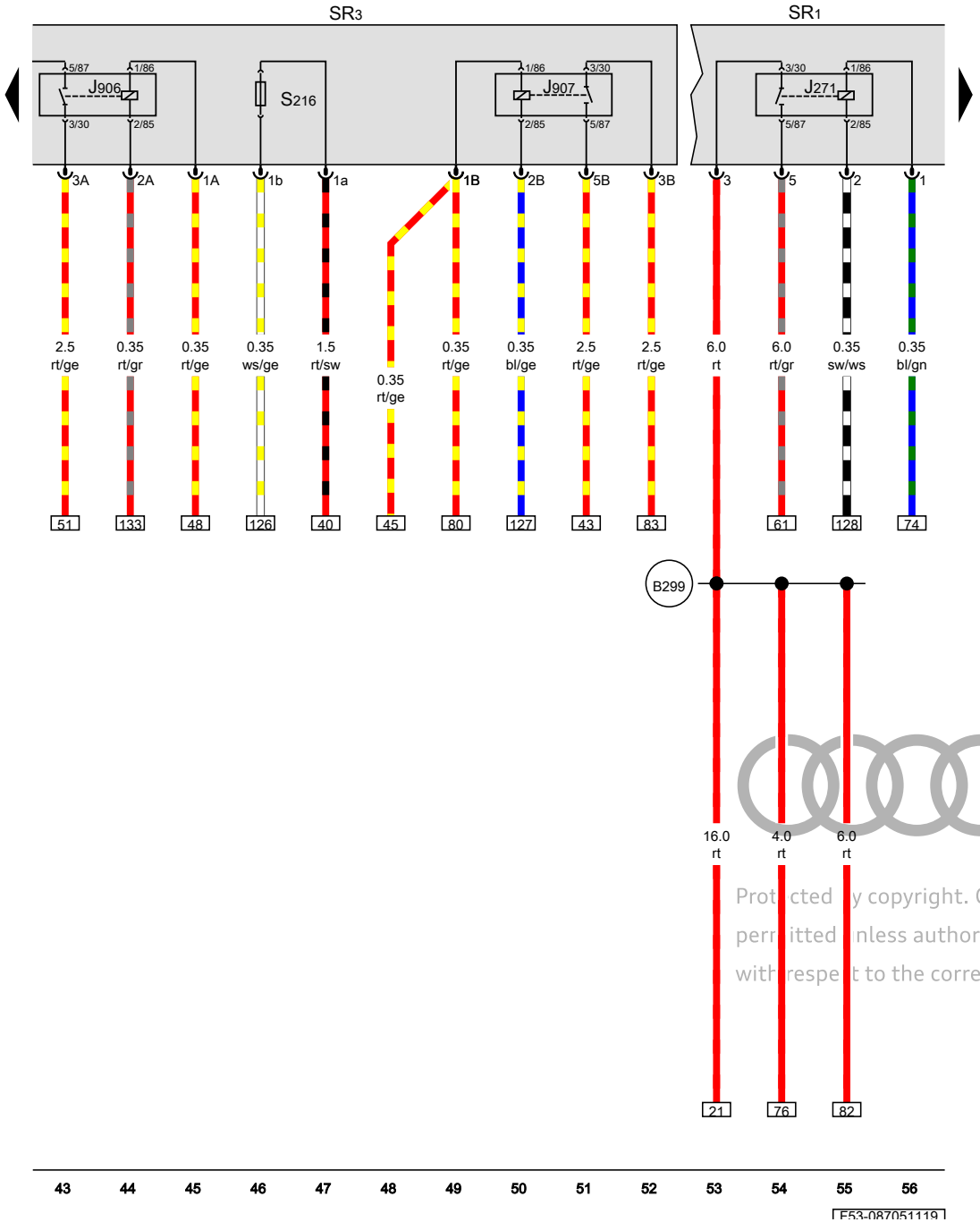

Main relay, Starter relay 1, Starter relay 2, Relay and fuse carrier 1, Relay and fuse carrier 3

J271	Main relay
J906	Starter relay 1
J907	Starter relay 2
SR1	Relay and fuse carrier 1
SR3	Relay and fuse carrier 3
S216	Fuse (50)
B299	Positive connection 3 (30), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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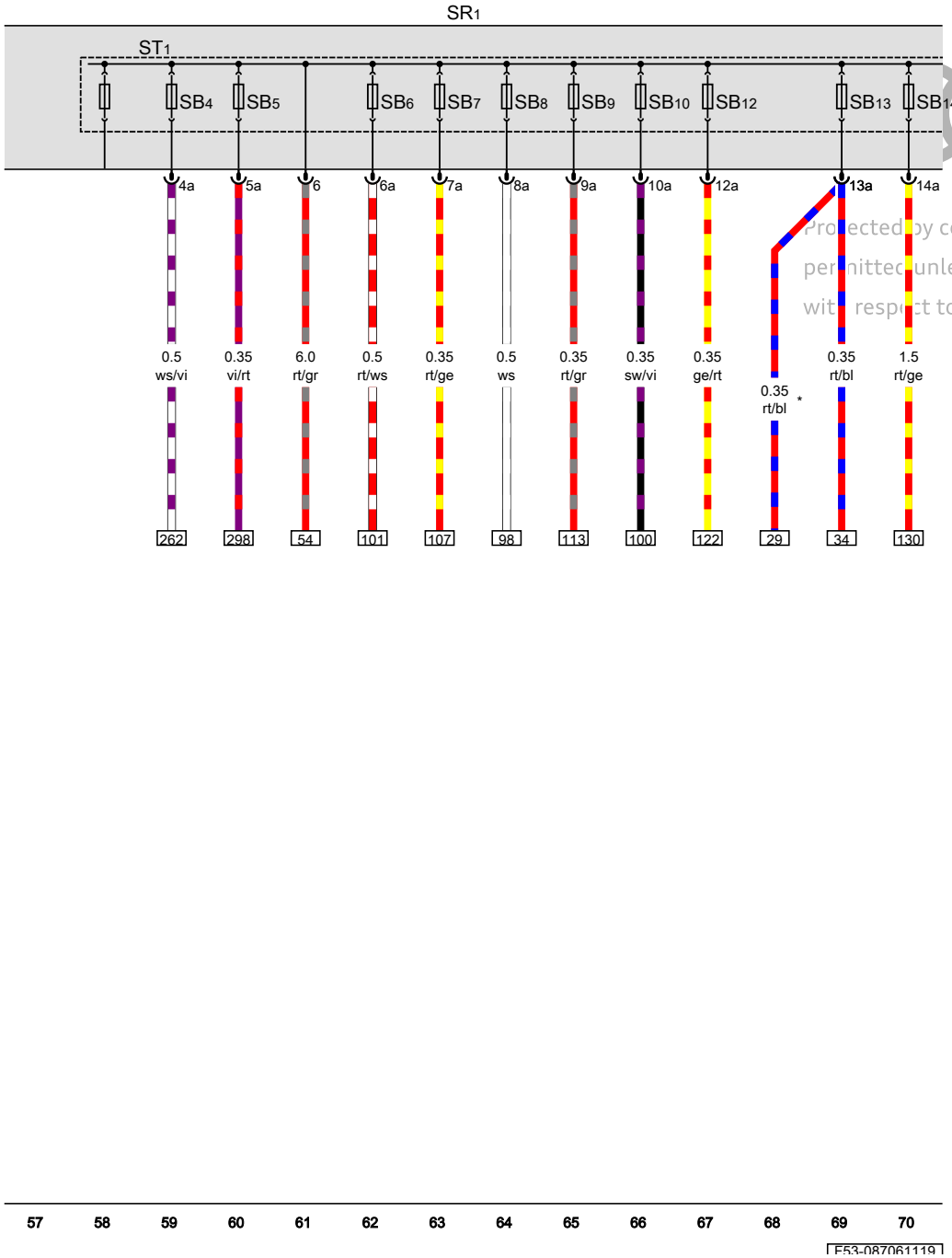

Fuse carrier 1, Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
*	For models with towing bracket

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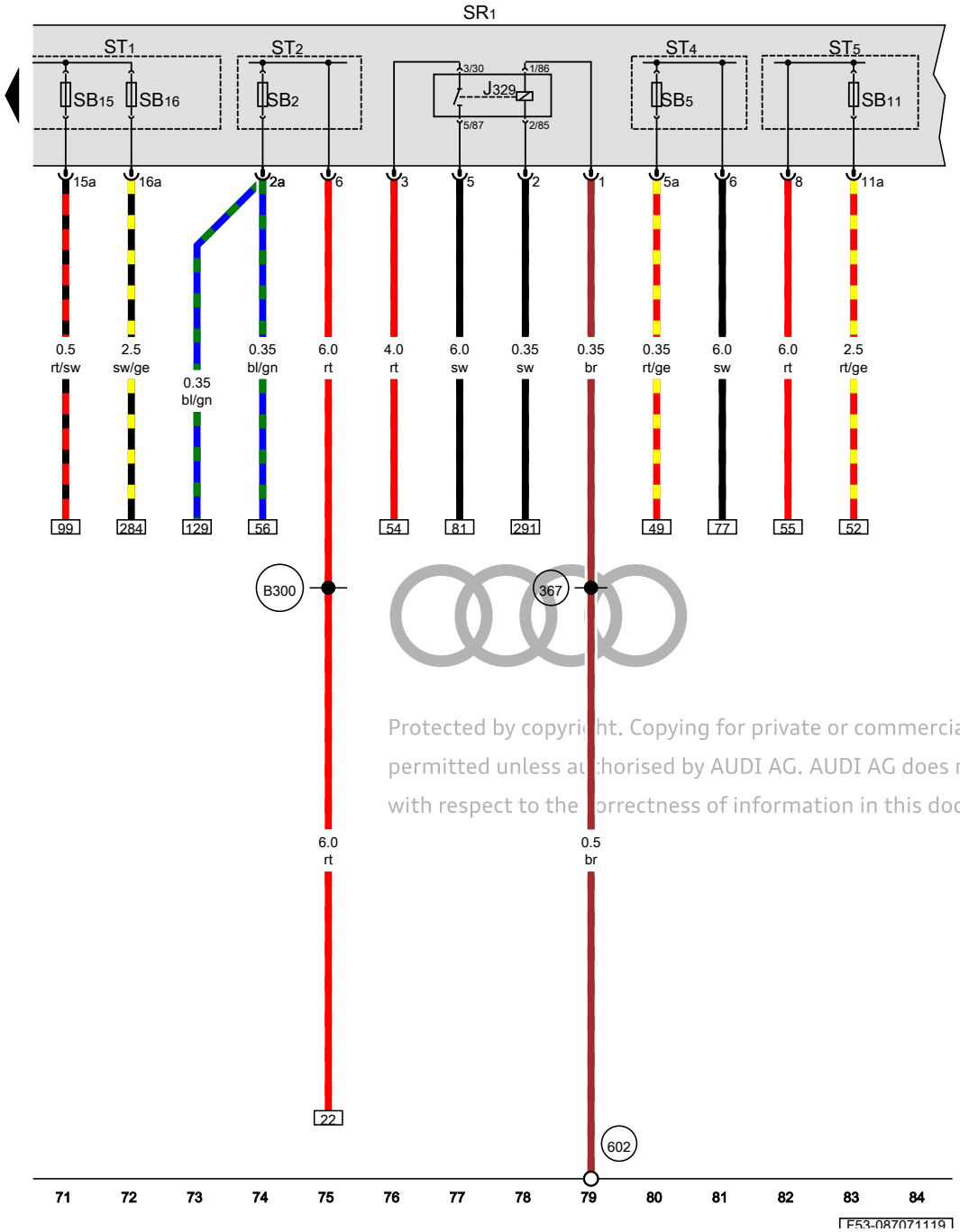

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Terminal 15 voltage supply relay, Relay and fuse carrier 1, Fuse carrier 1

J329	Terminal 15 voltage supply relay
SR1	Relay and fuse carrier 1
ST1	Fuse carrier 1, brown
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
ST4	Fuse carrier 4, black
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5
SB11	Fuse 11 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
B300	Positive connection 4 (30), in main wiring harness

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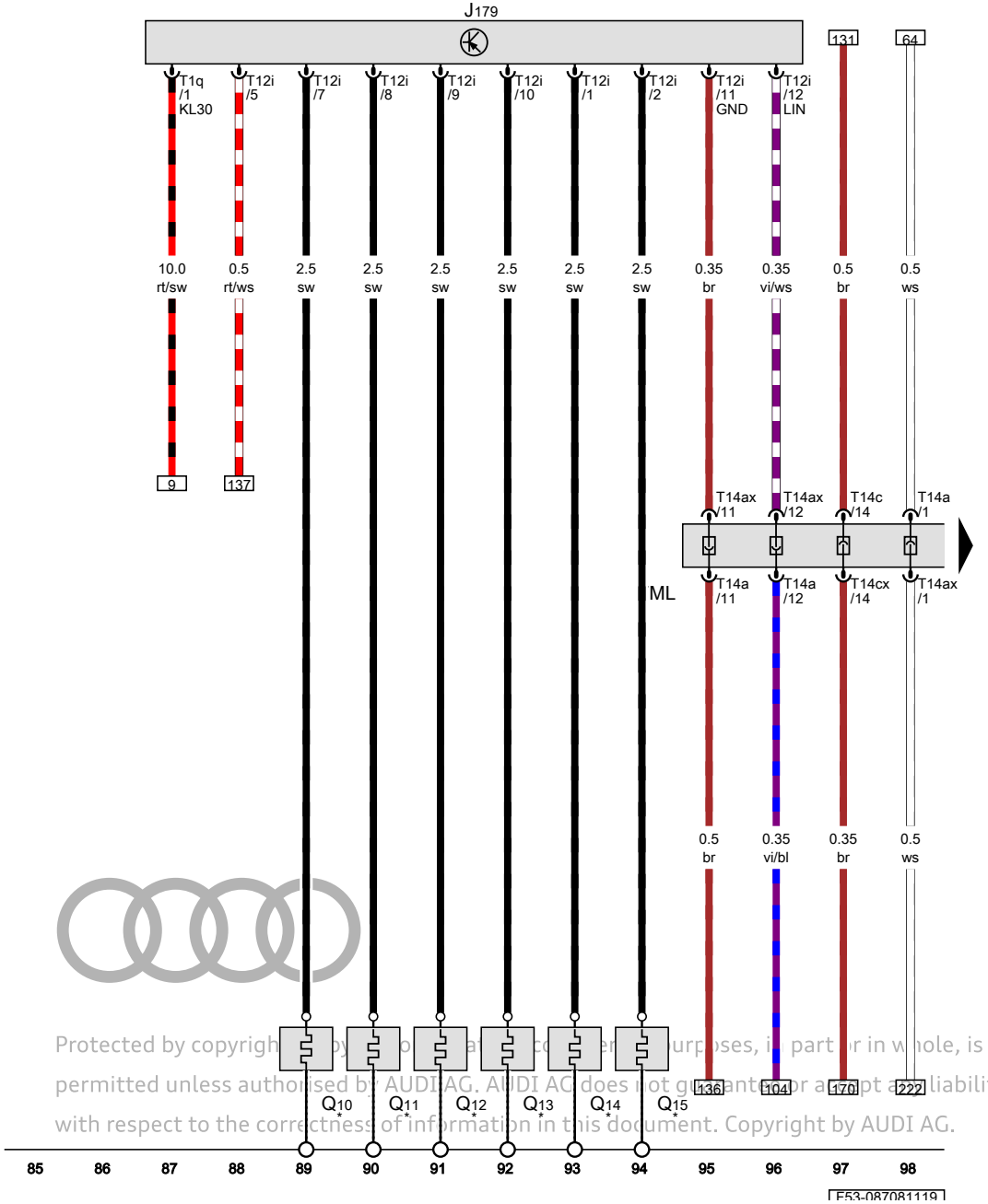
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Automatic glow period control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Glow plug 5, Glow plug 6

J179	Automatic glow period control unit
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
Q14	Glow plug 5
Q15	Glow plug 6
T1q	1-pin connector, black
T12i	12-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
TML	Coupling point in engine compartment, left
*	Earth supply via housing



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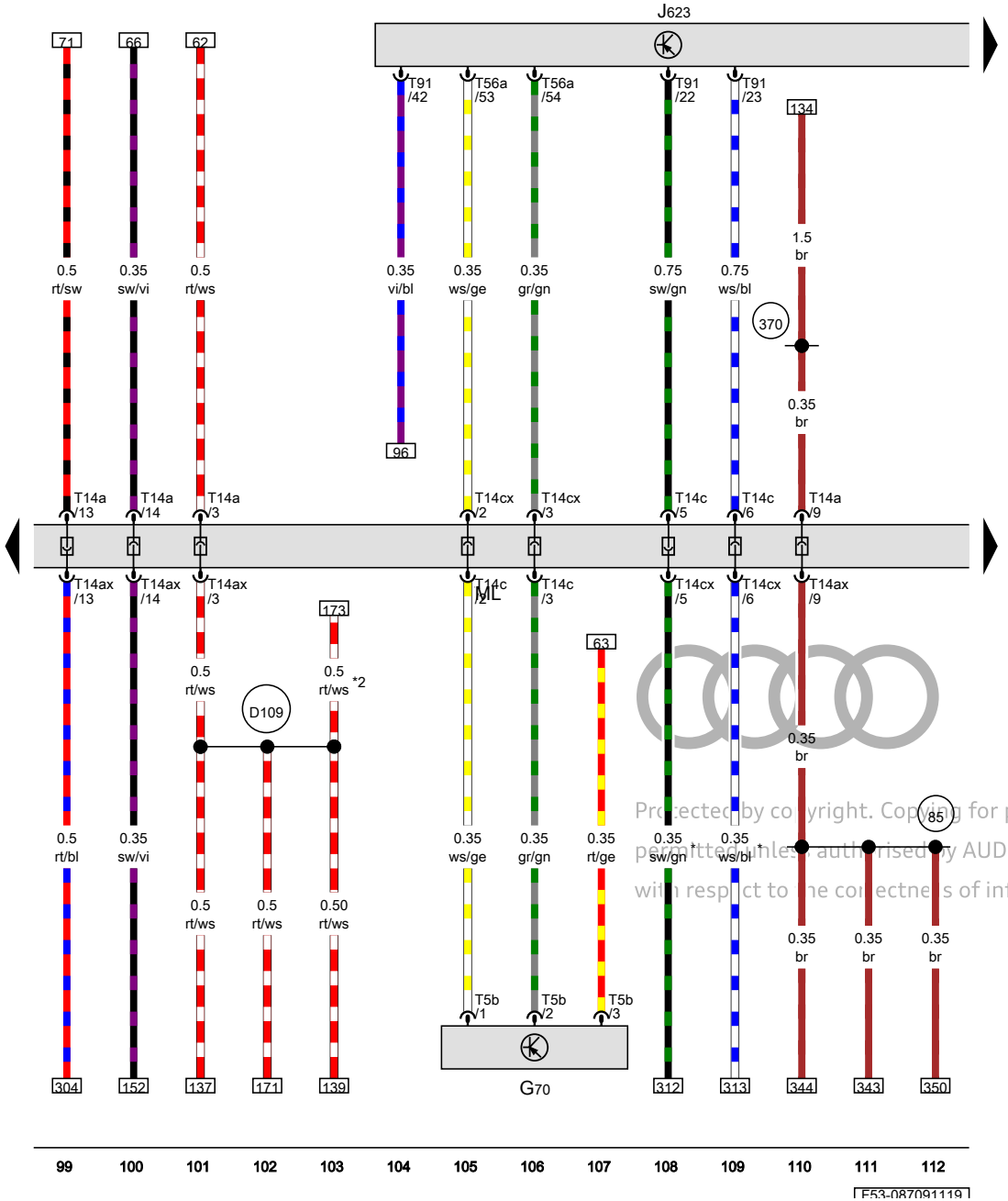

Air mass meter, Engine/motor control unit

G70	Air mass meter
J623	Engine/motor control unit, in plenum chamber
T5b	5-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
T56a	56-pin connector, black
T91	91-pin connector, black
TML	Coupling point in engine compartment, left
85	Earth connection 1, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
D109	Connection 7 in engine compartment wiring harness
*	For models with reducing agent metering system
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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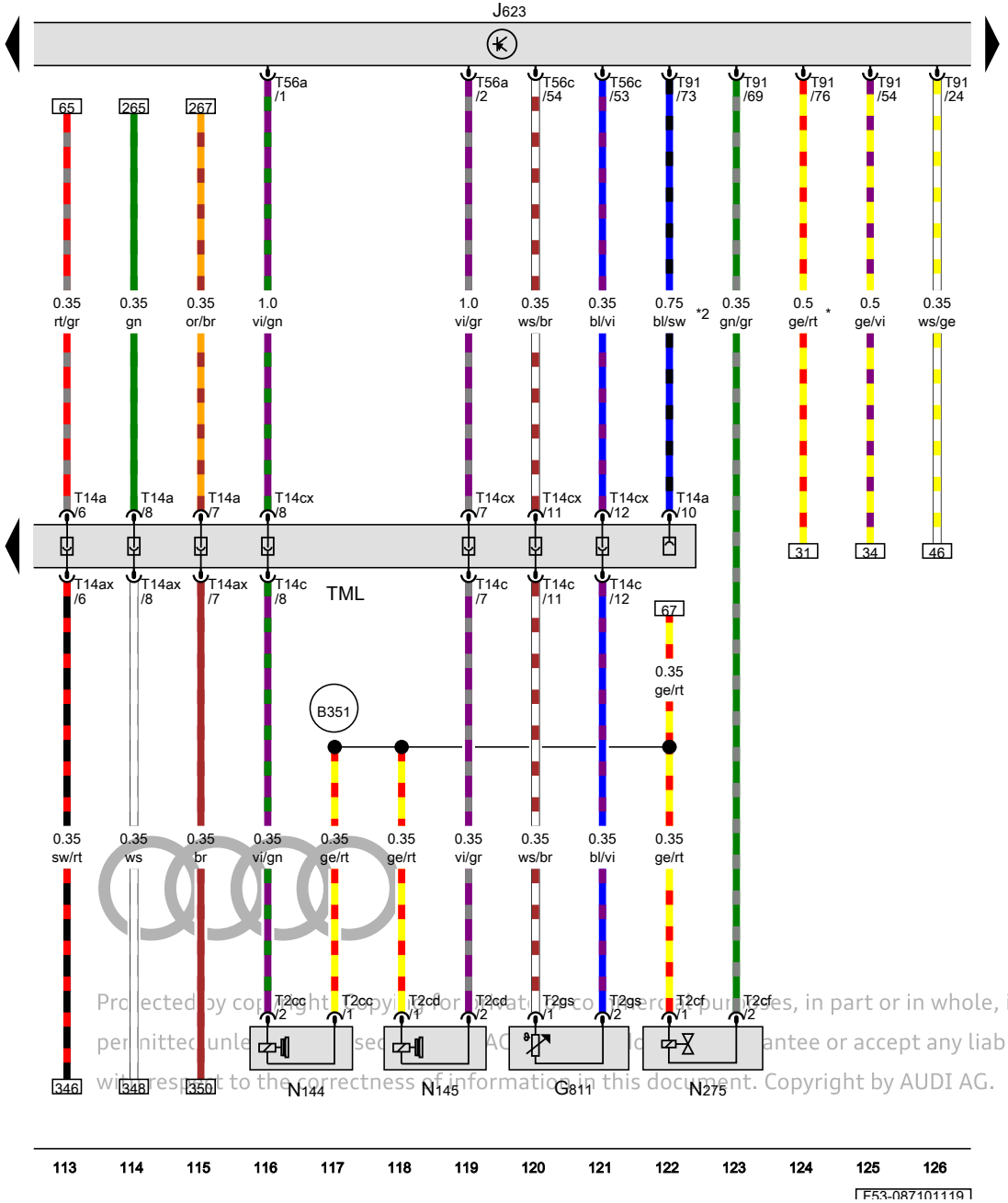

Charge air temperature sender after charge air cooler, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Air filter bypass flap valve

G811	Charge air temperature sender after charge air cooler
J623	Engine/motor control unit, in plenum chamber
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N275	Air filter bypass flap valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T2cf	2-pin connector, black
T2gs	2-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T14c	14-pin connector, black
T14cx	14-pin connector, black
T56a	56-pin connector, black
T56c	56-pin connector, black, blue
T91	91-pin connector, black
TML	Coupling point in engine compartment, left
B351	Positive connection 2 (87a) in main wiring harness
*	For models with towing bracket
*2	Gradually discontinued

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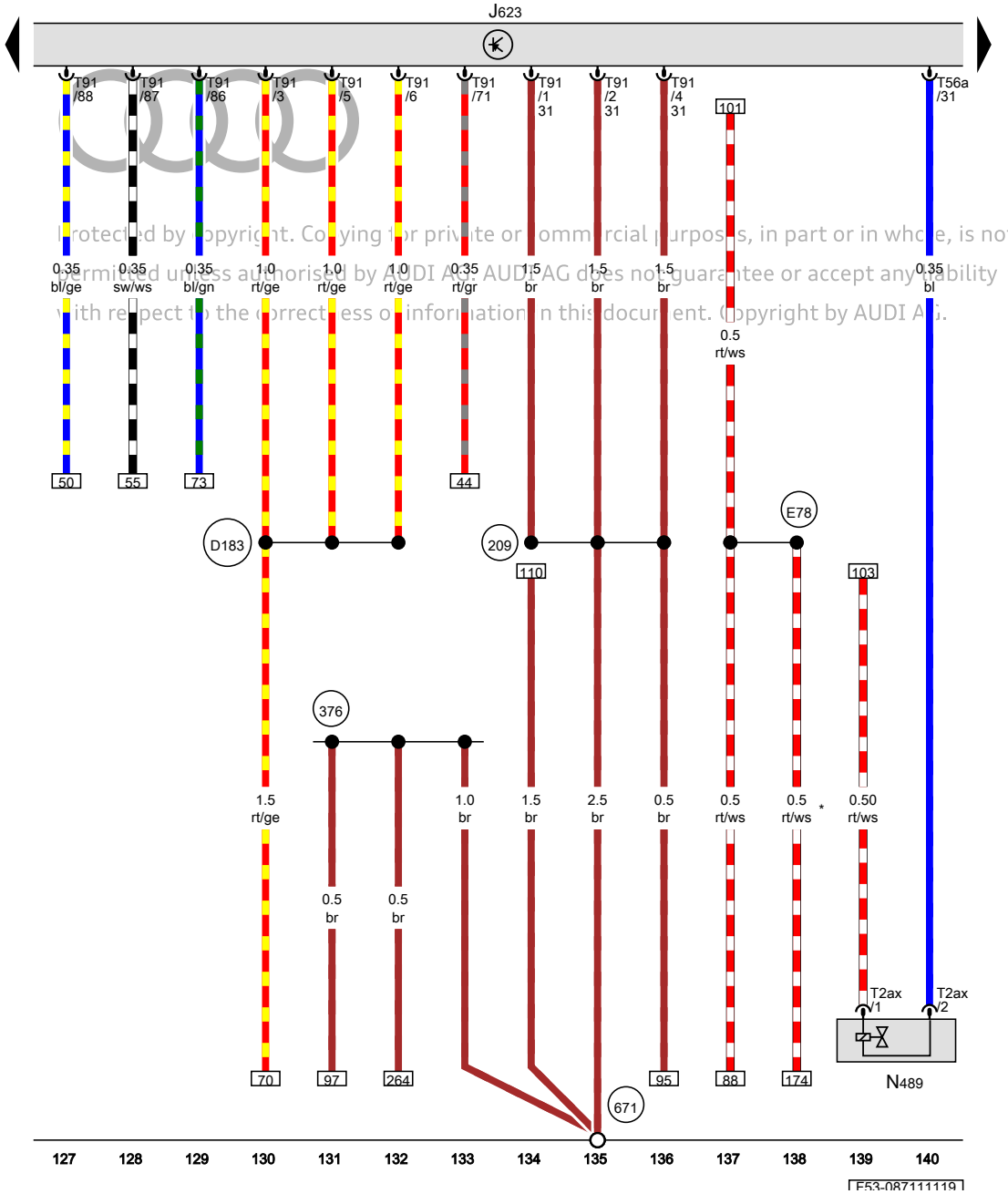

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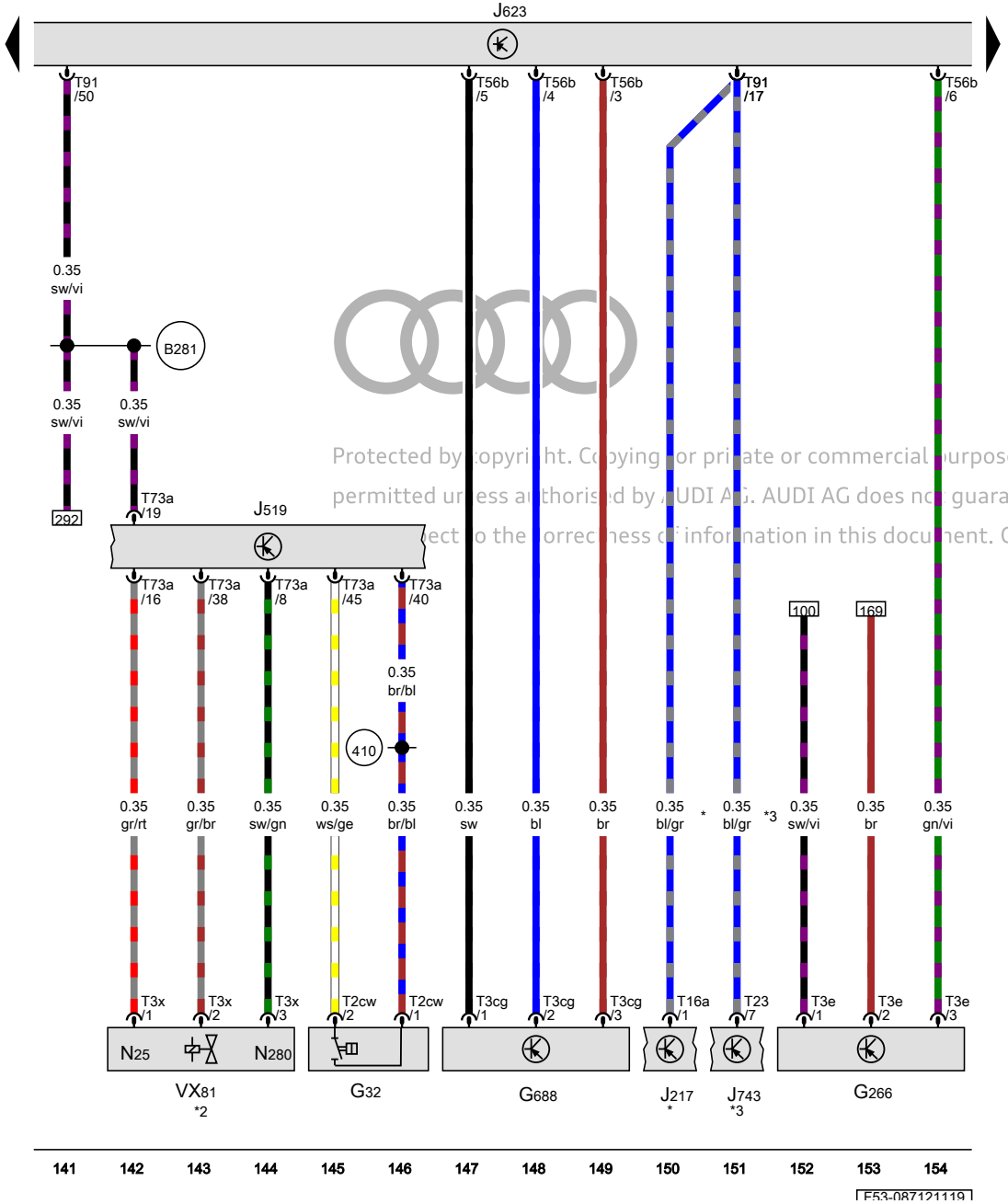
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Engine/motor control unit, Coolant valve for cylinder head

J623	Engine/motor control unit, in plenum chamber
N489	Coolant valve for cylinder head
T2ax	2-pin connector, black
T56a	56-pin connector, black
T91	91-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
E78	Connection 2 (87a) in engine wiring harness
*	According to equipment



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Coolant shortage indicator sender, Oil level and oil temperature sender, Sender 1 for turbocharger speed, Onboard supply control unit, Engine/motor control unit, Air conditioner compressor

G32	Coolant shortage indicator sender
G266	Oil level and oil temperature sender
G688	Sender 1 for turbocharger speed
J217	Automatic gearbox control unit
J519	Onboard supply control unit
J623	Engine/motor control unit, in plenum chamber
J743	Mechatronic unit for dual clutch gearbox
N25	Air conditioning system magnetic clutch
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T3cg	3-pin connector, black
T3e	3-pin connector, black
T3x	3-pin connector, black
T16a	16-pin connector, black
T23	23-pin connector, black
T56b	56-pin connector, black, white
T73a	73-pin connector, black
T91	91-pin connector, black
VX81	Air conditioner compressor
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	For models with automatic gearbox
*2	Pre-wired component
*3	For models with dual clutch gearbox (DSG)

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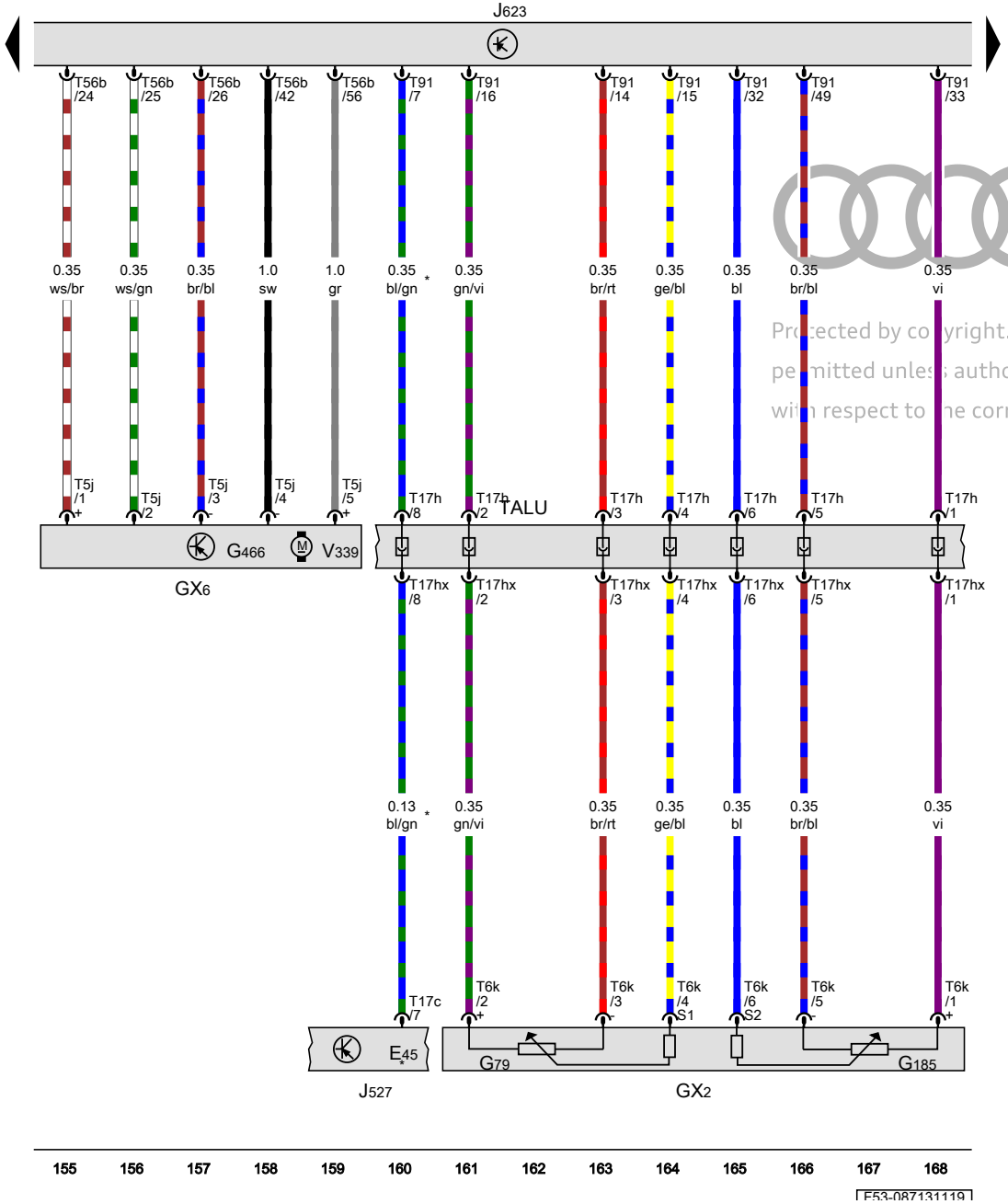

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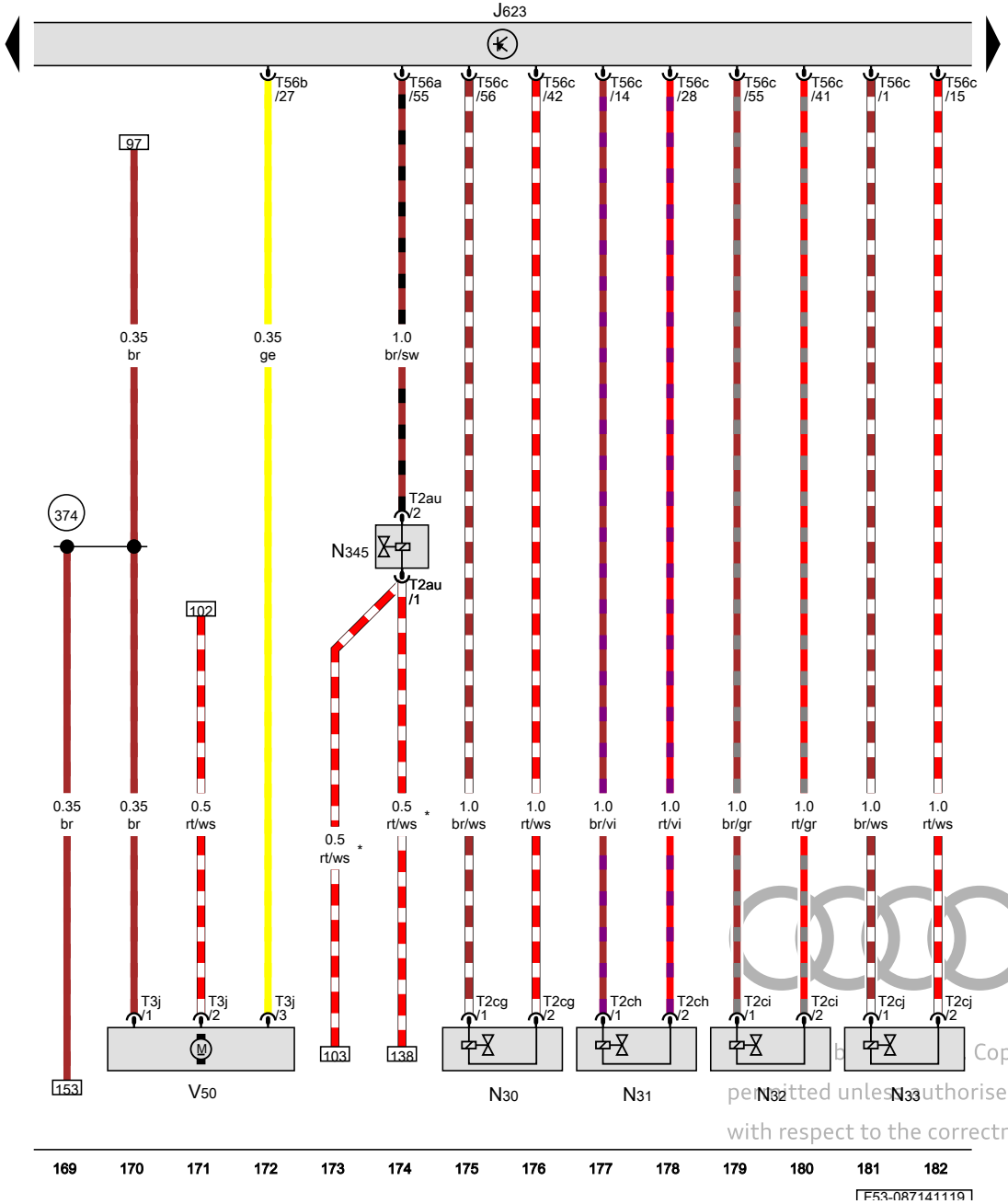
Accelerator pedal module, Exhaust gas recirculation valve 2, Engine/motor control unit

E45	Cruise control system switch
GX2	Accelerator pedal module
GX6	Exhaust gas recirculation valve 2
G79	Accelerator position sender
G185	Accelerator position sender 2
G466	Exhaust gas recirculation potentiometer 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, in plenum chamber
T5j	5-pin connector, yellow
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T56b	56-pin connector, black, white
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
V339	Exhaust gas recirculation control motor 2
*	For models with cruise control system (CCS)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Exhaust gas recirculation cooler changeover valve, Coolant circulation pump

J623	Engine/motor control unit, in plenum chamber
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N345	Exhaust gas recirculation cooler changeover valve
T2au	2-pin connector, black
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T3j	3-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
V50	Coolant circulation pump
374	Earth connection 9, in main wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
vi	=	purple
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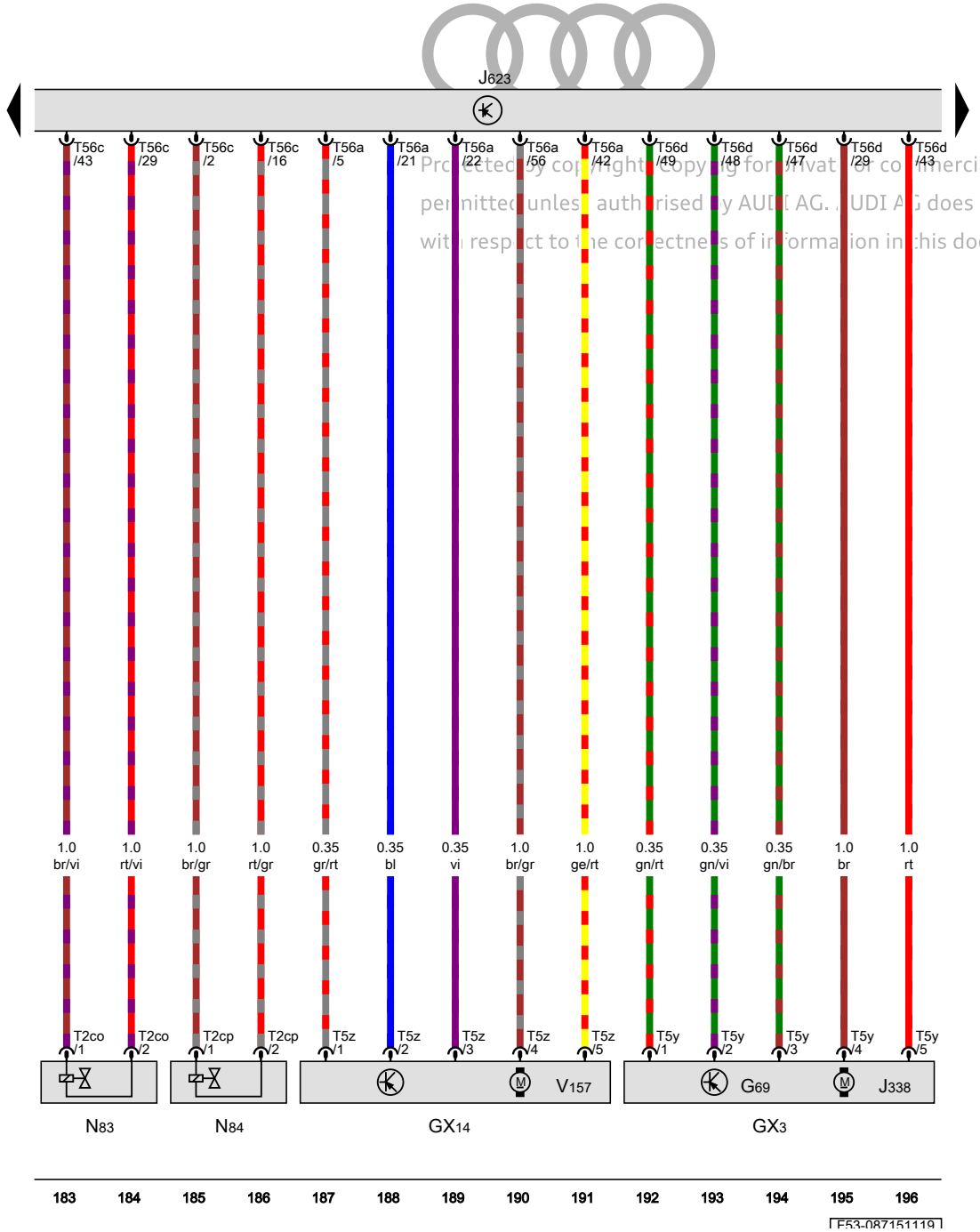

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Throttle valve module, Intake manifold flap control unit, Engine/motor control unit, Injector, cylinder 5, Injector, cylinder 6

GX3	Throttle valve module
GX14	Intake manifold flap control unit
G69	Throttle valve potentiometer
J338	Throttle valve module
J623	Engine/motor control unit, in plenum chamber
N83	Injector, cylinder 5
N84	Injector, cylinder 6
T2co	2-pin connector, black
T2cp	2-pin connector, black
T5y	5-pin connector, black
T5z	5-pin connector, black
T56a	56-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
V157	Intake manifold flap motor

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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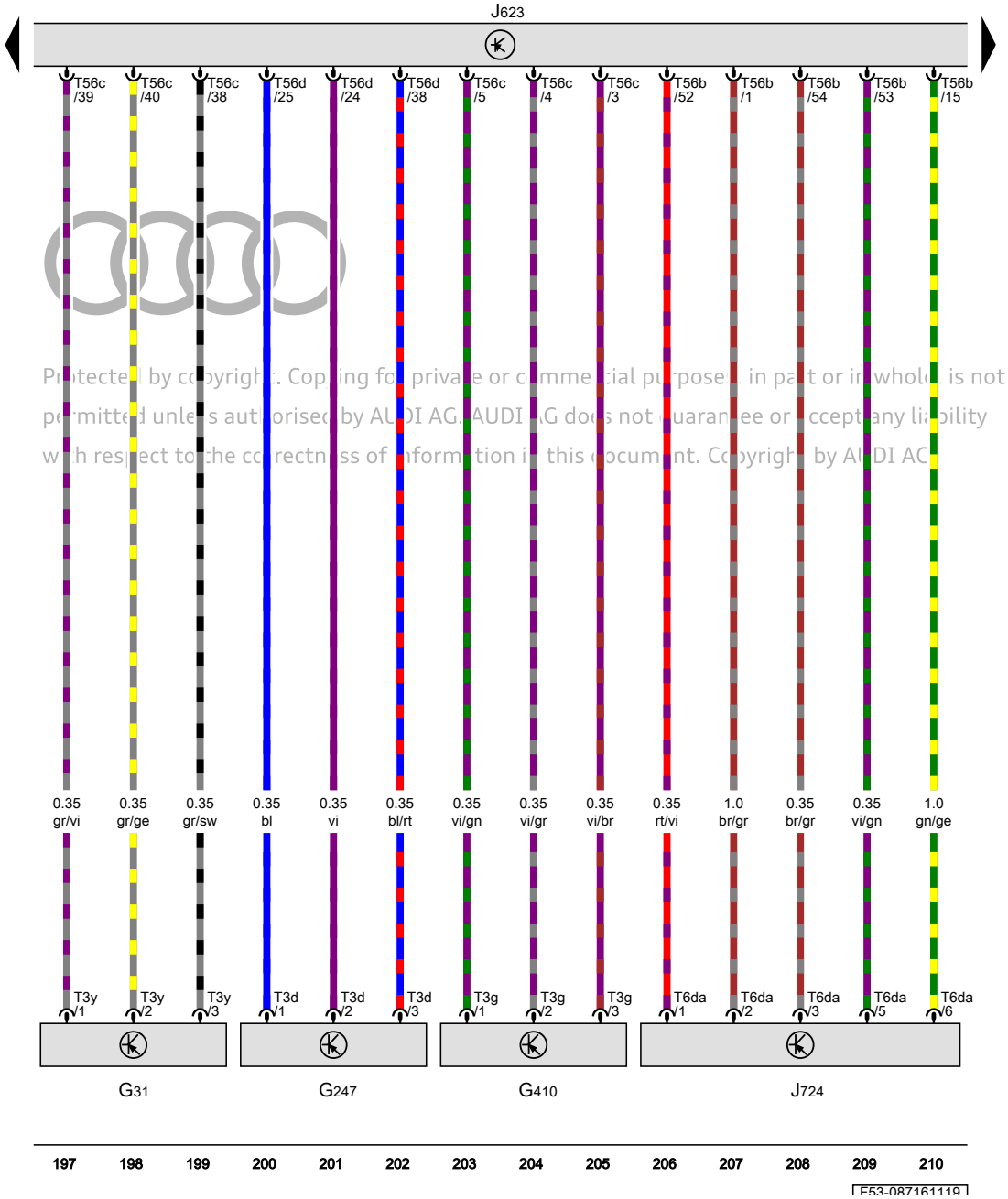
or	=	orange
rs	=	pink



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Charge pressure sender, Fuel pressure sender, Fuel pressure sender for low pressure, Engine/motor control unit, Turbocharger 1 control unit

G31	Charge pressure sender
G247	Fuel pressure sender
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, in plenum chamber
J724	Turbocharger 1 control unit
T3d	3-pin connector, black
T3g	3-pin connector, black
T3y	3-pin connector, black
T6da	6-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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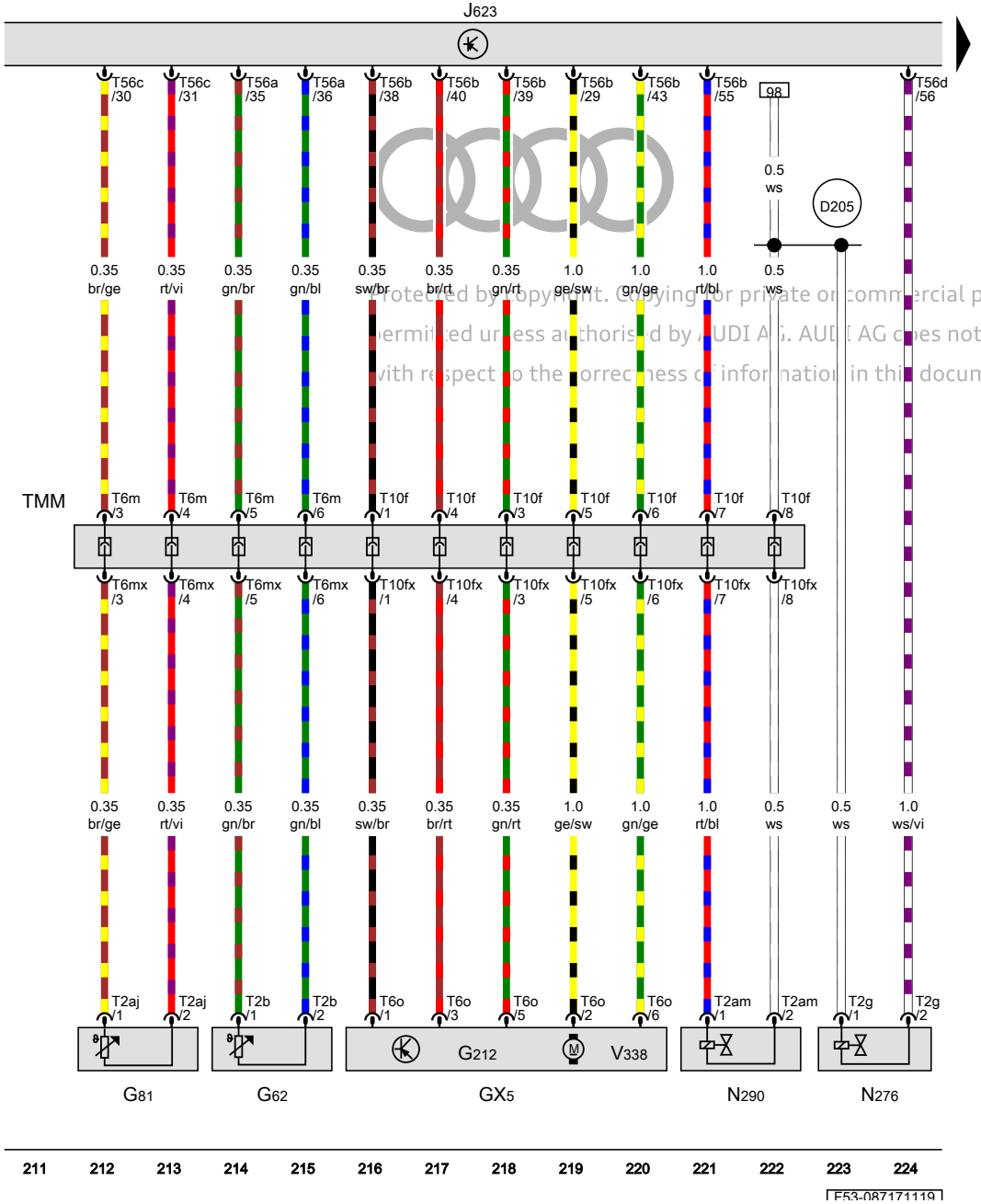
rs	=	pink



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Exhaust gas recirculation valve 1, Coolant temperature sender, Fuel temperature sender, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve

GX5	Exhaust gas recirculation valve 1
G62	Coolant temperature sender
G81	Fuel temperature sender
G212	Exhaust gas recirculation potentiometer
J623	Engine/motor control unit, in plenum chamber
N276	Fuel pressure regulating valve
N290	Fuel metering valve
T2aj	2-pin connector, black
T2am	2-pin connector, black
T2b	2-pin connector, black
T2g	2-pin connector, black
T6m	6-pin connector, black
T6mx	6-pin connector, black
T6o	6-pin connector, grey
T10f	10-pin connector, black
T10fx	10-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
TMM	Coupling point in engine compartment, centre
V338	Exhaust gas recirculation control motor
D205	Connection 3 (87a) in engine prewiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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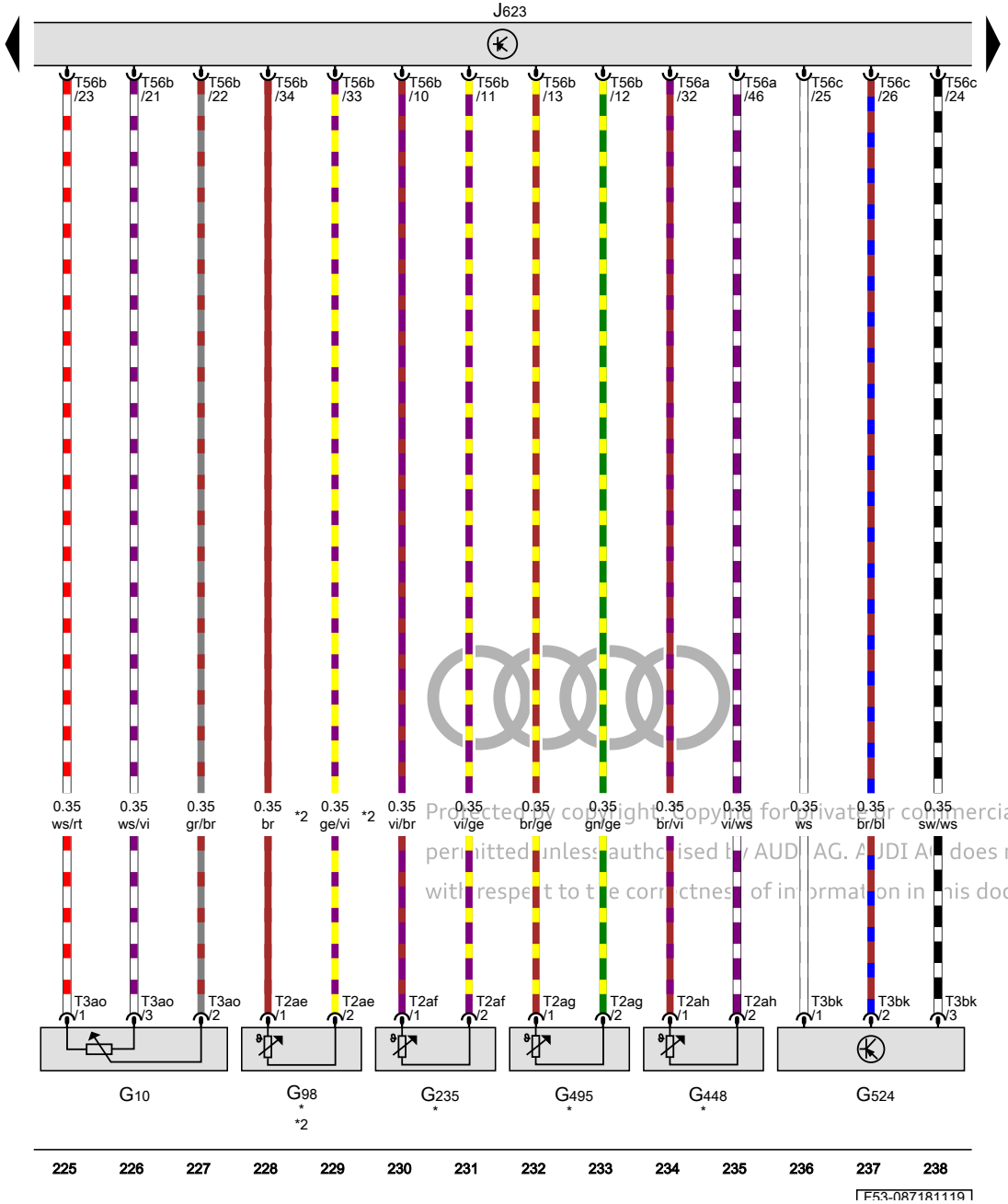
or	=	orange
rs	=	pink



Oil pressure sender, Exhaust gas recirculation temperature sensor, Exhaust gas temperature sender 1, Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Pressure differential sender 2, Engine/motor control unit

G10	Oil pressure sender
G98	Exhaust gas recirculation temperature sensor
G235	Exhaust gas temperature sender 1
G448	Exhaust gas temperature sender 2
G495	Exhaust gas temperature sender 3
G524	Pressure differential sender 2
J623	Engine/motor control unit, in plenum chamber
T2ae	2-pin connector, light brown
T2af	2-pin connector, black
T2ag	2-pin connector, black
T2ah	2-pin connector, black
T3ao	3-pin connector, black
T3bk	3-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
*	Pre-wired component
*2	According to equipment

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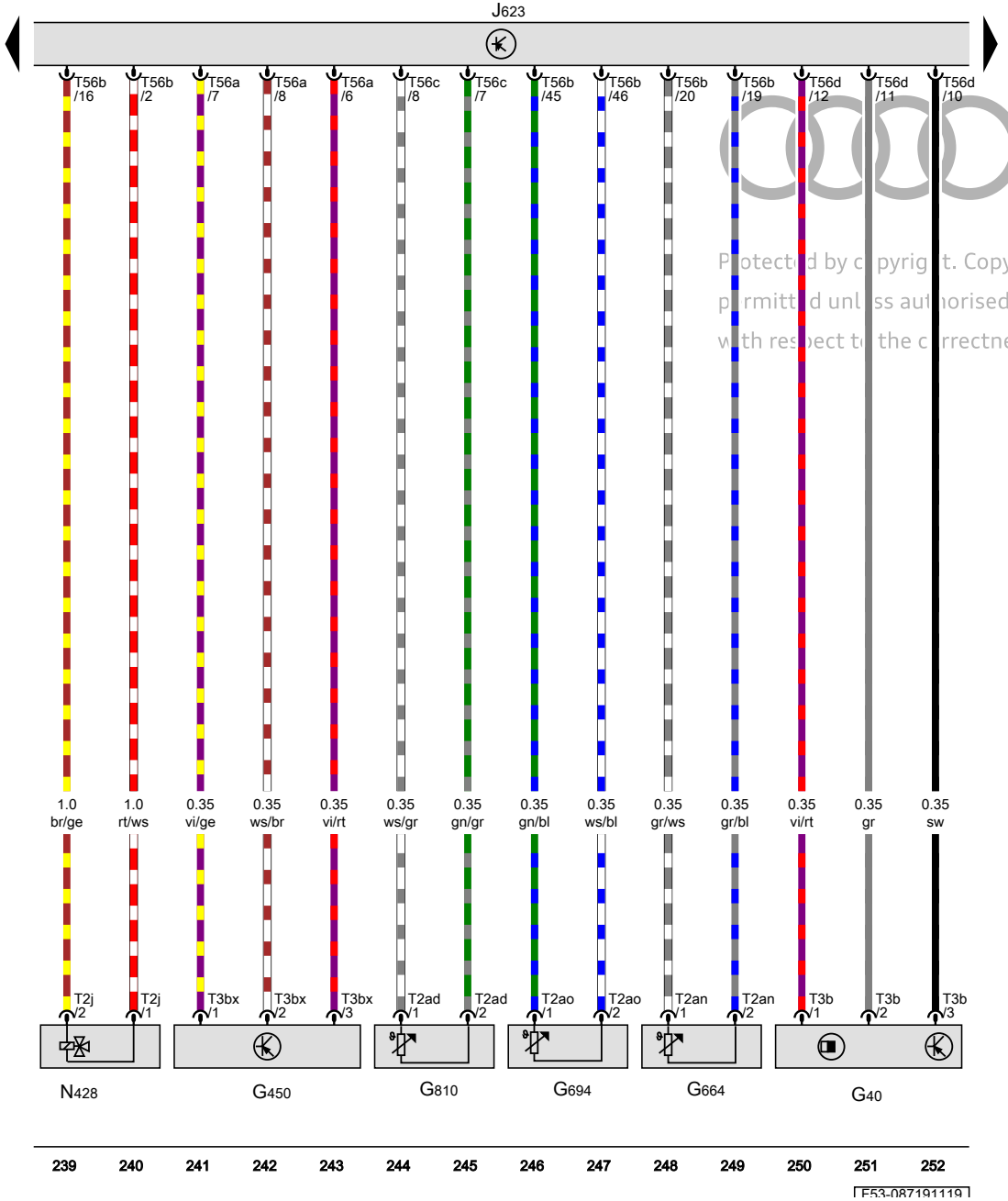

Hall sender, Exhaust gas pressure sensor 1, Oil temperature sender 2, Temperature sender for engine temperature regulation, Charge air temperature sender before charge air cooler, Engine/motor control unit, Valve for oil pressure control

G40	Hall sender
G450	Exhaust gas pressure sensor 1
G664	Oil temperature sender 2
G694	Temperature sender for engine temperature regulation
G810	Charge air temperature sender before charge air cooler
J623	Engine/motor control unit, in plenum chamber
N428	Valve for oil pressure control
T2ad	2-pin connector, black
T2an	2-pin connector, black
T2ao	2-pin connector, black
T2j	2-pin connector, black
T3b	3-pin connector, black
T3bx	3-pin connector, black
T56a	56-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple

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ge	=	yellow
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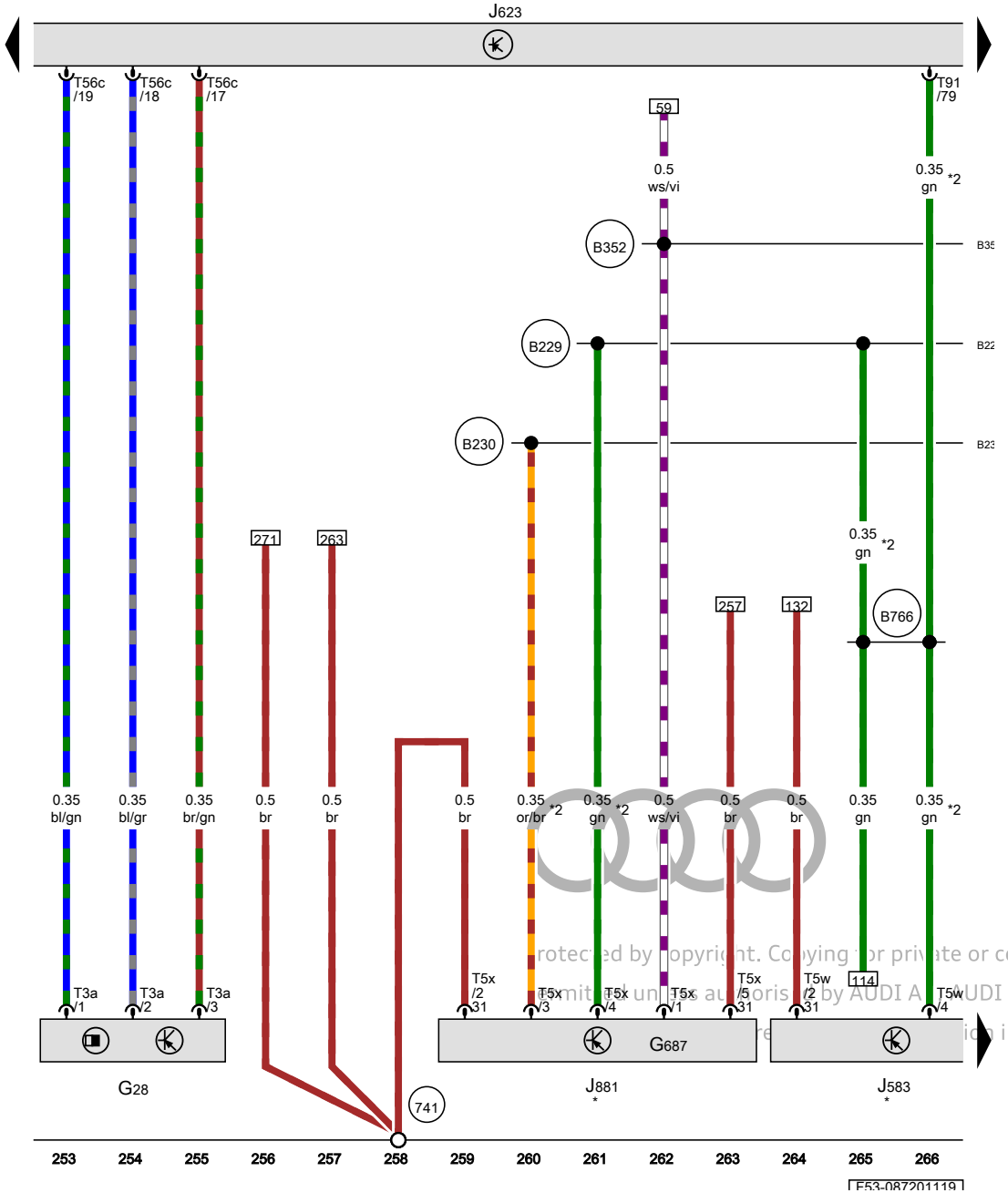
rs	=	pink



Engine speed sender, NOx sender 2, Control unit for NOx sender, Engine/motor control unit, Control unit for NOx sender 2

G28	Engine speed sender
G687	NOx sender 2
J583	Control unit for NOx sender
J623	Engine/motor control unit, in plenum chamber
J881	Control unit for NOx sender 2
T3a	3-pin connector, black
T5w	5-pin connector, black
T5x	5-pin connector, black
T56c	56-pin connector, black, blue
T91	91-pin connector, black
741	Earth point under seat on front left
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
B352	Positive connection 3 (87a) in main wiring harness
B766	Connection 2 (high bus), in interior wiring harness
*	Pre-wired component
*2	Data bus wire (CAN bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
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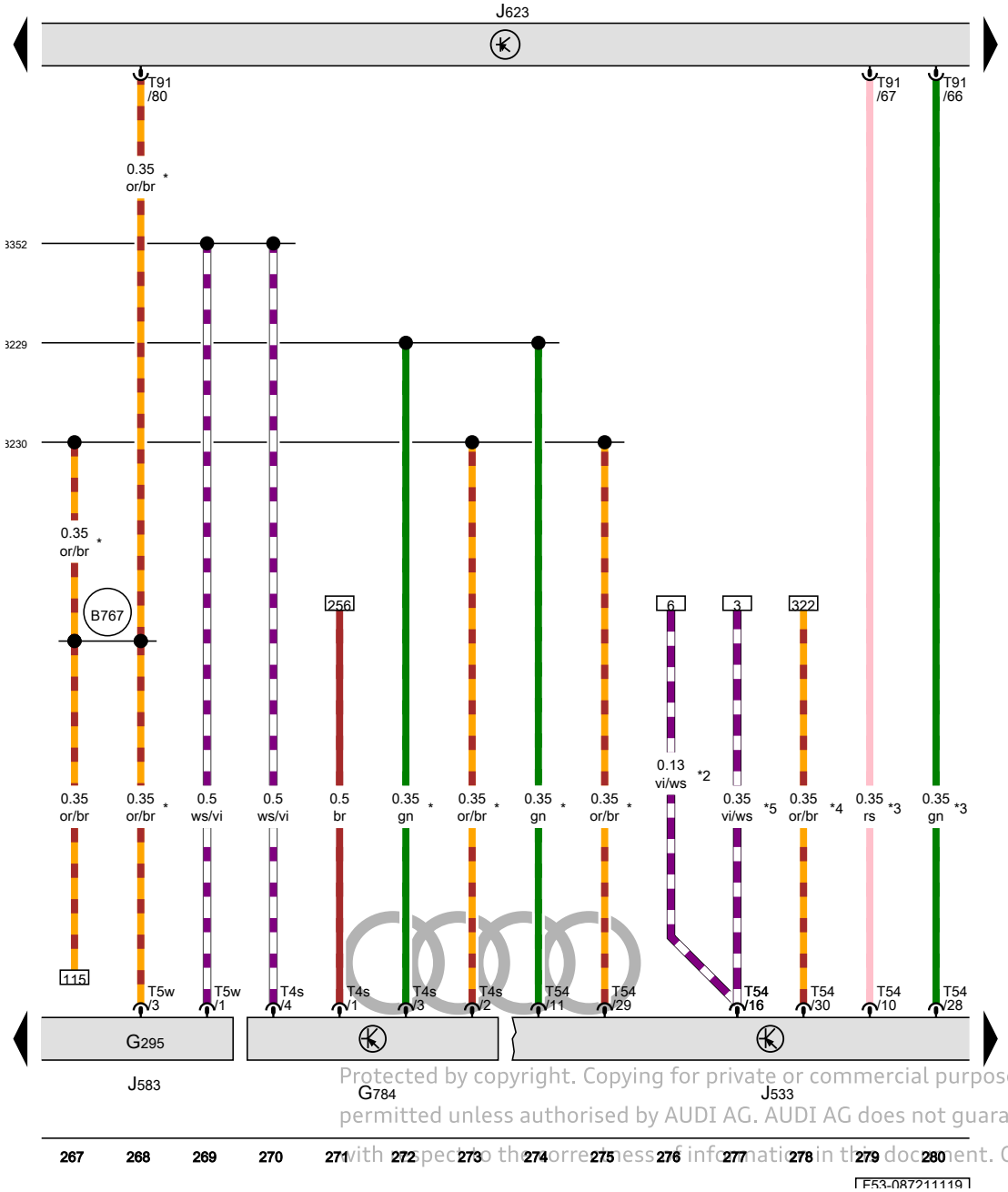

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rs = pink

NOx sender, Particulate sensor, Data bus diagnostic interface, Control unit for NOx sender, Engine/motor control unit

G295	NOx sender
G784	Particulate sensor
J533	Data bus diagnostic interface
J583	Control unit for NOx sender
J623	Engine/motor control unit, in plenum chamber
T4s	4-pin connector, black
T5w	5-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
B352	Positive connection 3 (87a) in main wiring harness
B767	Connection 2 (low bus), in interior wiring harness
*	Data bus wire (CAN bus)
*2	For models with no 48 V hybrid system
*3	Data bus wire (FlexRay bus)
*4	Cross section depends on equipment
*5	For models with 48 V hybrid system

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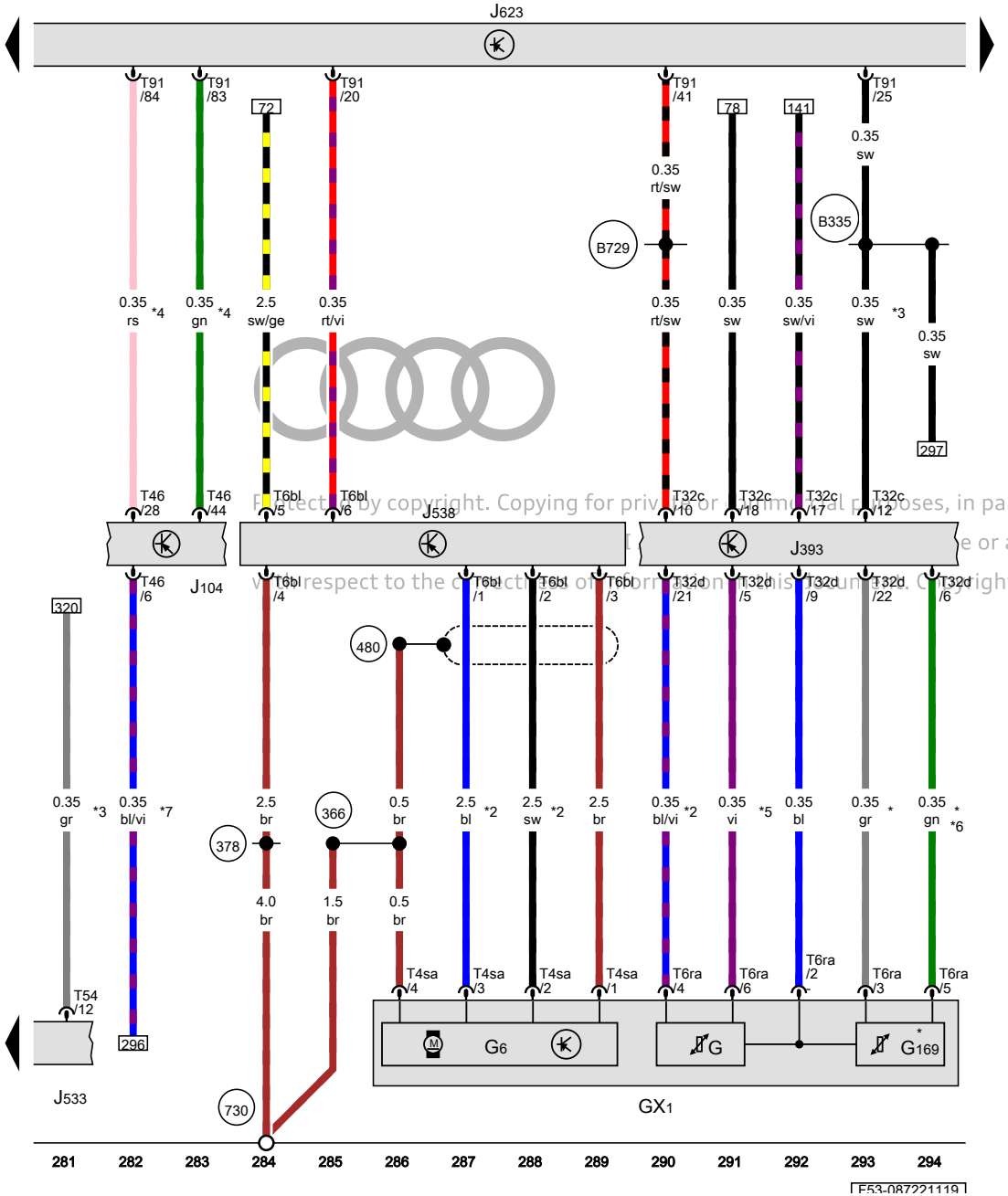

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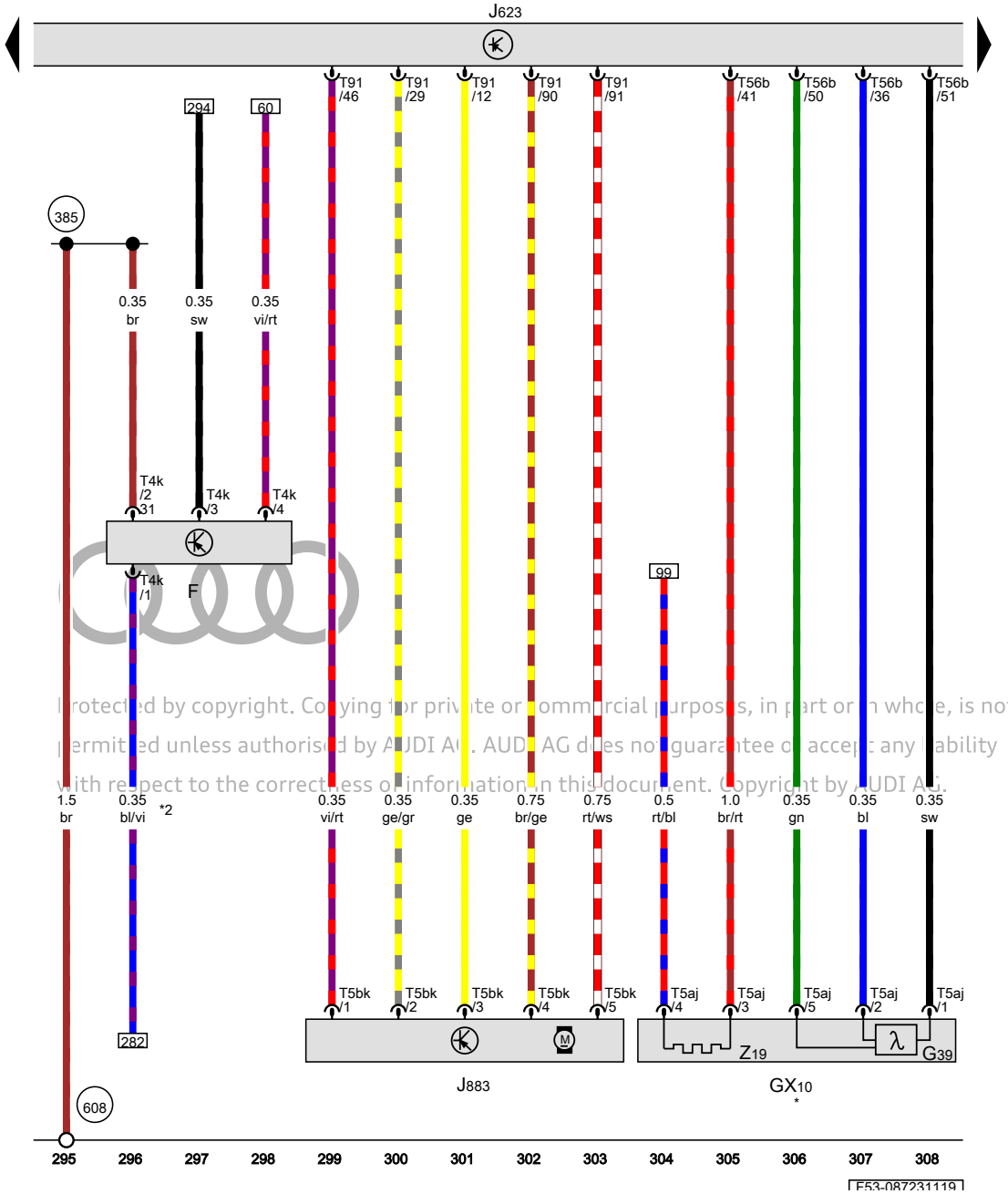
Fuel delivery unit, Fuel system pressurisation pump, Fuel gauge sender 2, Convenience system central control unit, Data bus diagnostic interface, Fuel pump control unit, Engine/motor control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J104	ABS control unit
J393	Convenience system central control unit
J533	Data bus diagnostic interface
J538	Fuel pump control unit
J623	Engine/motor control unit, in plenum chamber
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
T46	46-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B335	Connection 1 (54), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Wiring colour depends on equipment
*3	Cross section depends on equipment
*4	Data bus wire (FlexRay bus)
*5	According to equipment
*6	Up to July 2018
*7	For models with 48 V hybrid system



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li = purple
vi = purple
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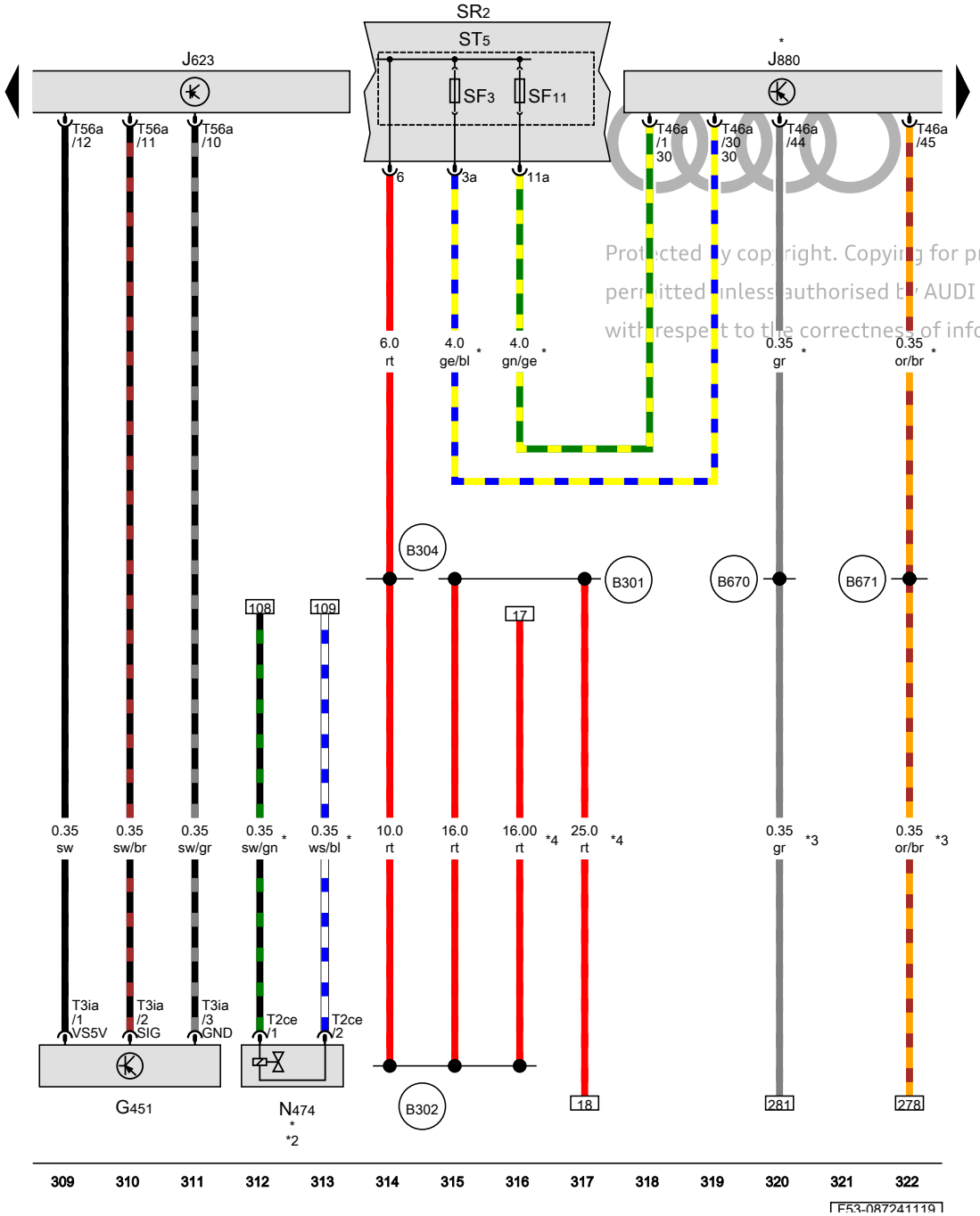
or = orange
rs = pink

Brake light switch, Lambda probe 1 before catalytic converter, Lambda probe, Engine/motor control unit, Exhaust flap control unit

F	Brake light switch
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
J623	Engine/motor control unit, in plenum chamber
J883	Exhaust flap control unit
T4k	4-pin connector, black
T5aj	5-pin connector, black
T5bk	5-pin connector, black
T56b	56-pin connector, black, white
T91	91-pin connector, black
Z19	Lambda probe heater
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
*	Pre-wired component
*2	For models with 48 V hybrid system



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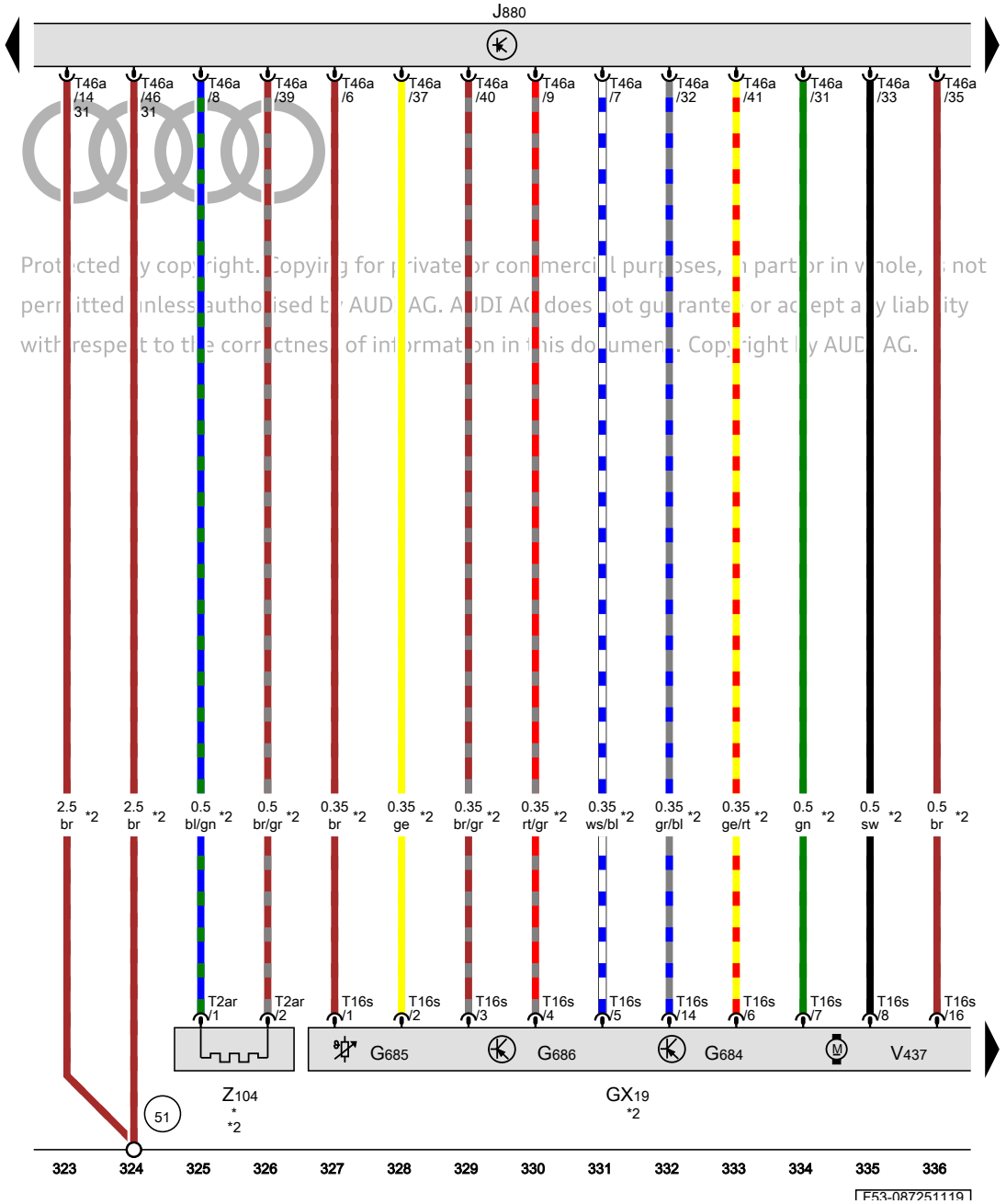
Exhaust gas pressure sensor 2, Engine/motor control unit, Control unit for reducing agent metering system, Injector for reducing agent

G451	Exhaust gas pressure sensor 2
J623	Engine/motor control unit, in plenum chamber
J880	Control unit for reducing agent metering system
N474	Injector for reducing agent
SR2	Relay and fuse carrier 2
SF3	Fuse 3 in fuse holder F
ST5	Fuse carrier 5, red
SF11	Fuse 11 in fuse holder F
T2ce	2-pin connector, black
T3ia	3-pin connector, black
T46a	46-pin connector, black
T56a	56-pin connector, black
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	For models with reducing agent metering system
*2	Pre-wired component
*3	Cross section depends on equipment
*4	According to equipment



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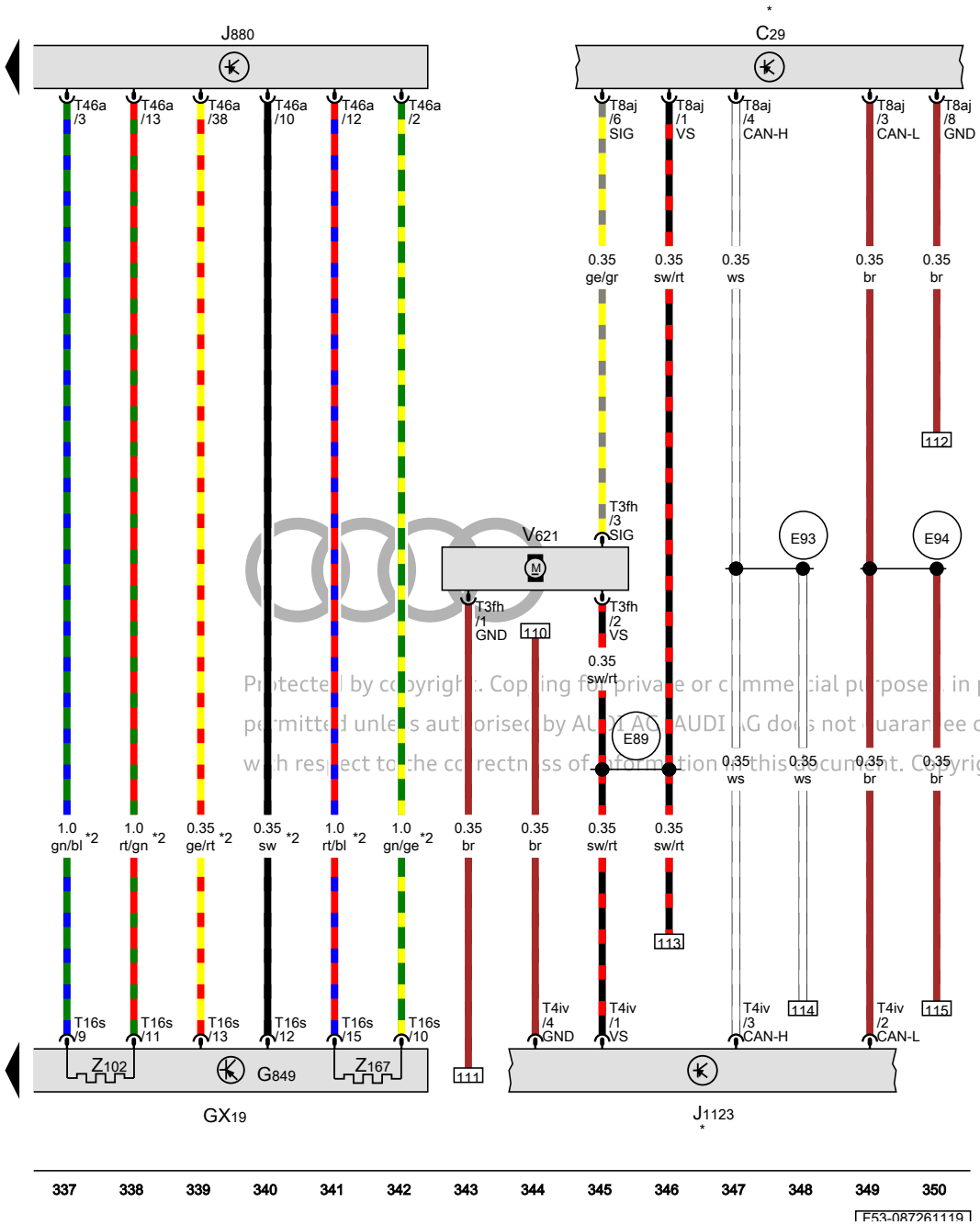
Delivery unit for reducing agent metering system, Tank sender for reducing agent, Temperature sender for reducing agent, Pressure sender for reducing agent metering system, Control unit for reducing agent metering system, Pump for reducing agent, Heater for reducing agent line (heater circuit 2)

GX19	Delivery unit for reducing agent metering system
G684	Tank sender for reducing agent
G685	Temperature sender for reducing agent
G686	Pressure sender for reducing agent metering system
J880	Control unit for reducing agent metering system
T2ar	2-pin connector, black
T16s	16-pin connector, black
T46a	46-pin connector, black
V437	Pump for reducing agent
Z104	Heater for reducing agent line (heater circuit 2)
51	Earth point, on right in luggage compartment
*	Pre-wired component
*2	For models with reducing agent metering system



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Starter-alternator, Delivery unit for reducing agent metering system, Reducing agent quality sensor, Control unit for reducing agent metering system, Control unit for electric compressor, Starter-alternator coolant pump, Heater for reducing agent tank (heater circuit 1), Heater 2 for reducing agent tank (heater circuit 3)

C29	Starter-alternator
GX19	Delivery unit for reducing agent metering system
G849	Reducing agent quality sensor
J880	Control unit for reducing agent metering system
J1123	Control unit for electric compressor
T3fh	3-pin connector, black
T4iv	4-pin connector, black
T8aj	8-pin connector, black
T16s	16-pin connector, black
T46a	46-pin connector, black
V621	Starter-alternator coolant pump
Z102	Heater for reducing agent tank (heater circuit 1)
Z167	Heater 2 for reducing agent tank (heater circuit 3)
E89	Positive connection (30a) in engine wiring harness
E93	Connection 1 (CAN bus high), in engine wiring harness
E94	Connection 1 (CAN bus low), in engine wiring harness
*	see applicable current flow diagram for battery
*2	For models with reducing agent metering system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Engine sound generator , (FN0),(FN1)

From July 2016

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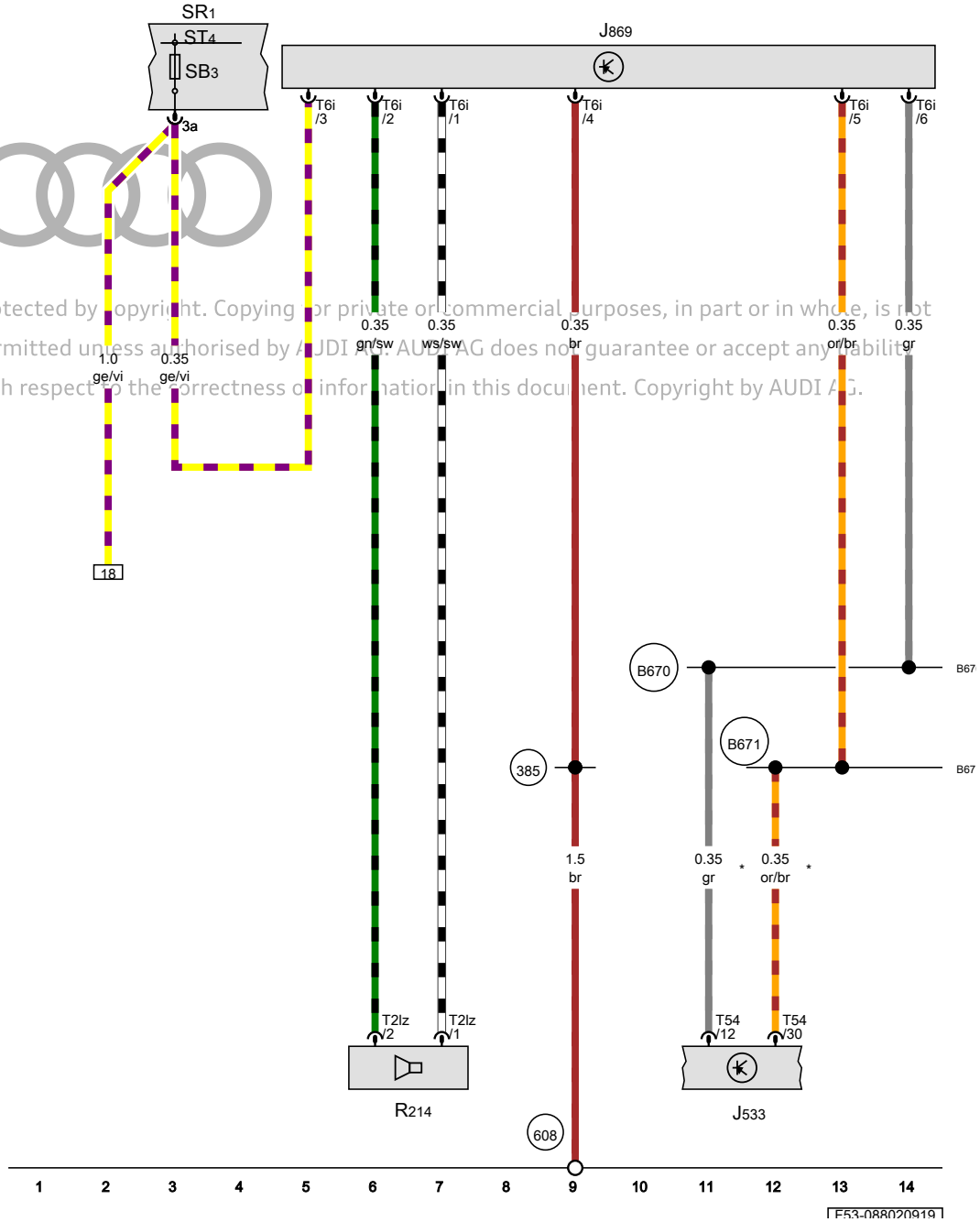

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Control unit for structure-borne sound, Actuator for structure-borne sound

J533	Data bus diagnostic interface
J869	Control unit for structure-borne sound
R214	Actuator for structure-borne sound
SR1	Relay and fuse carrier 1
SB3	Fuse 3 on fuse holder B
ST4	Fuse carrier 4, black
T2lz	2-pin connector, black
T6i	6-pin connector, black
T54	54-pin connector, black
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	Cross section depends on equipment

ws	=	white
sw	=	black
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rt	=	red
br	=	brown
gn	=	green
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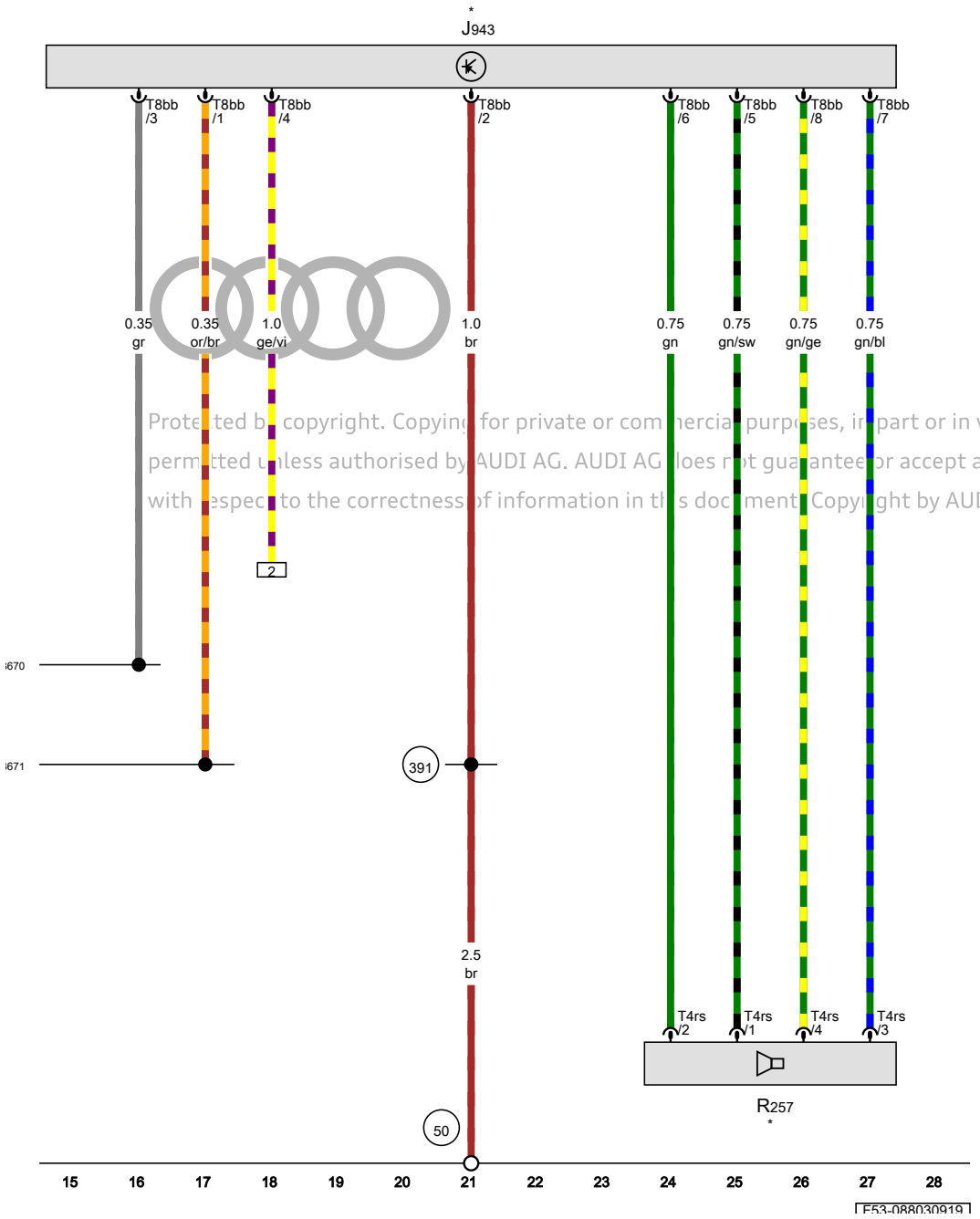

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vi = purple
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rs = pink

Engine sound generator control unit, Actuator 1 for engine sound generator

J943	Engine sound generator control unit
R257	Actuator 1 for engine sound generator
T4rs	4-pin connector, black
T8bb	8-pin connector, black
50	Earth point, on left in luggage compartment
391	Earth connection 26, in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	For models with diesel engine

2.0l petrol engine , DDWA,DKNA,DDWB,DLHB

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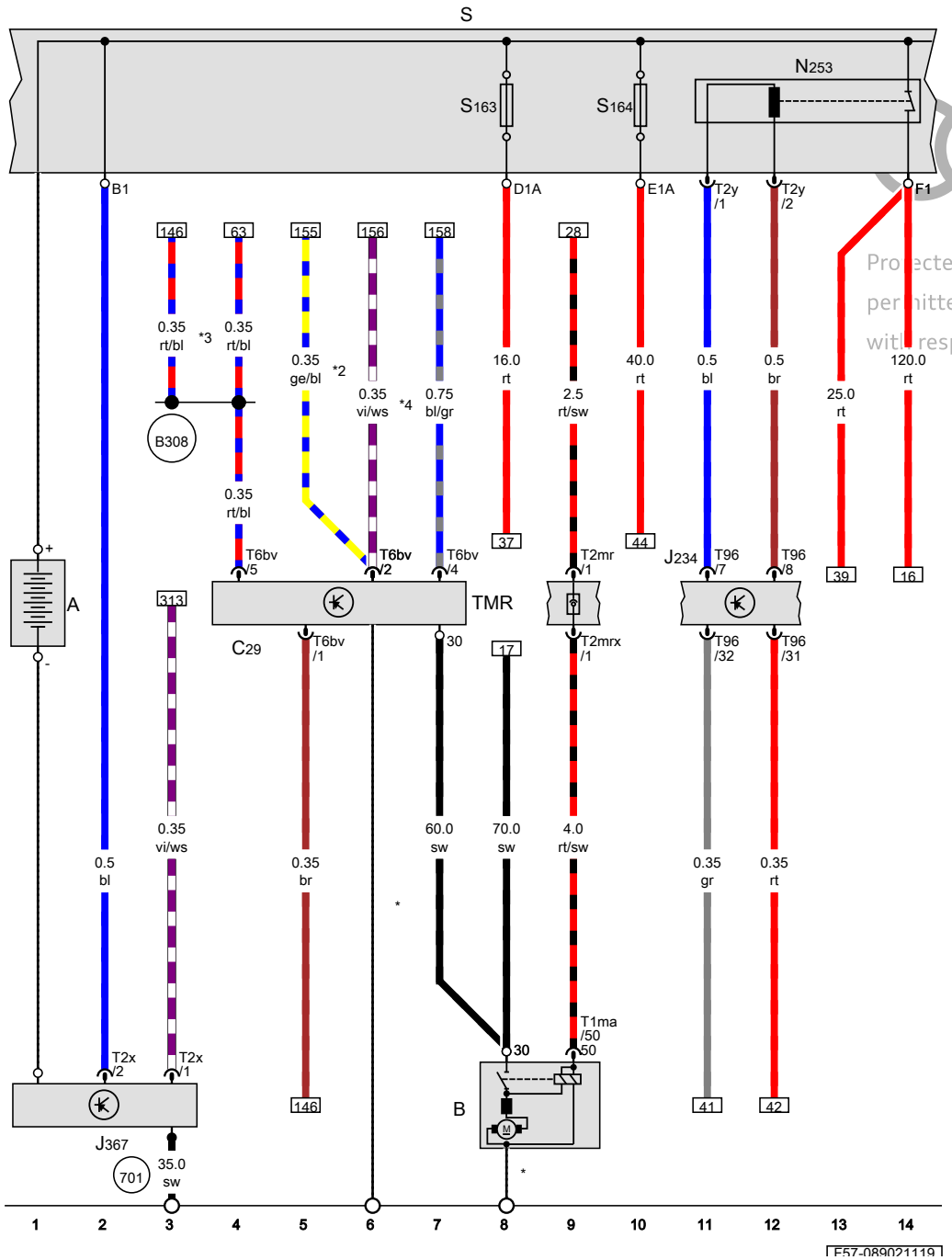

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Battery, Starter, Starter-alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C29	Starter-alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T6bv	6-pin connector, black
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
701	Earth point in luggage compartment
B308	Positive connection 12 (30), in main wiring harness
*	Earth supply via housing
*2	For emission standard Euro 6 ZD/E/F
*3	For models with manual gearbox
*4	For emission standard Euro 6 BG/H/I

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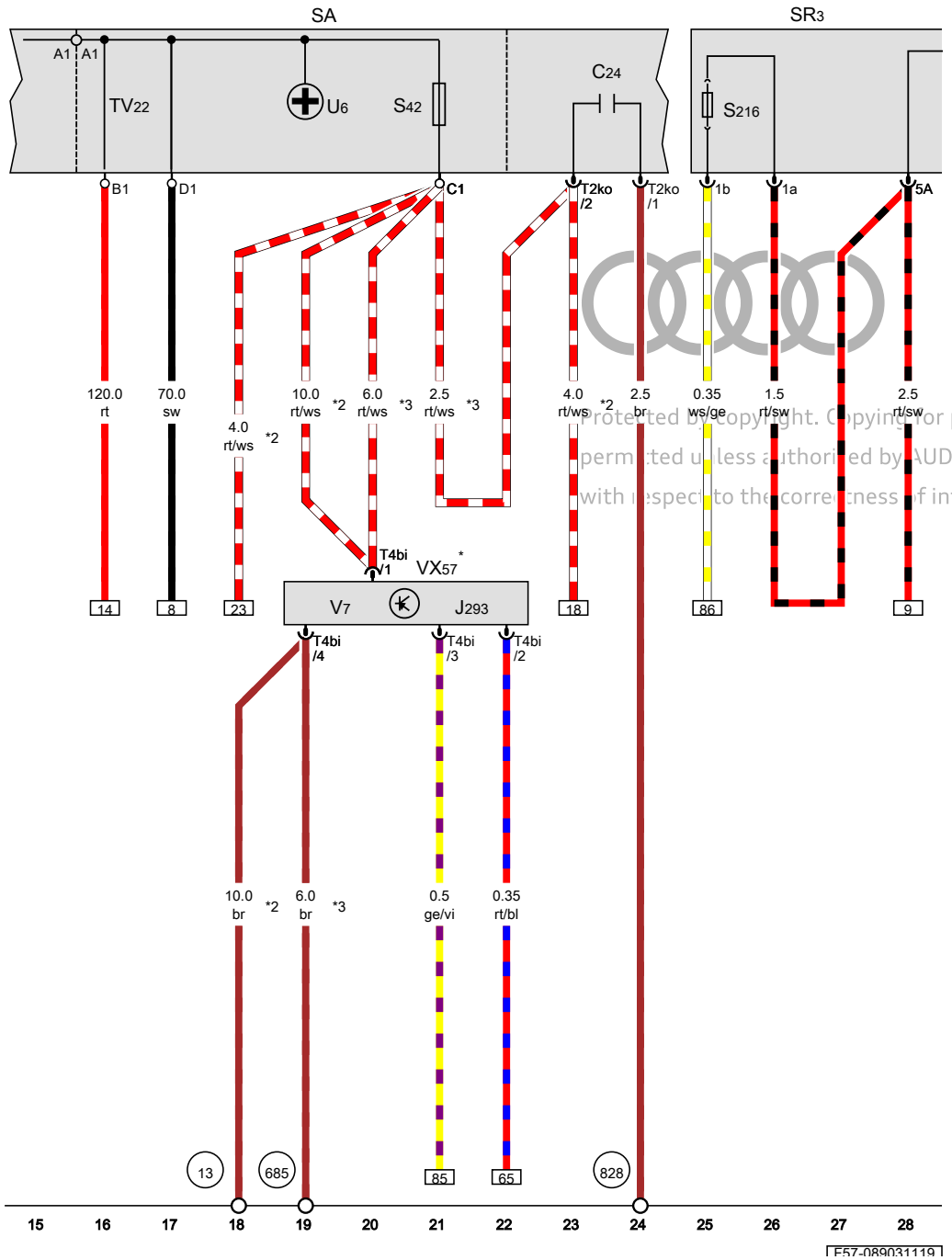

Fuse (50), Fuse holder A, Relay and fuse carrier 3, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
S42	Radiator fan single fuse
S216	Fuse (50), central in plenum chamber
SA	Fuse holder A, front right in engine compartment
SR3	Relay and fuse carrier 3, central in plenum chamber
T2ko	2-pin connector, black
T4bi	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with increased fan output
*3	For models with low fan output

ws	=	white
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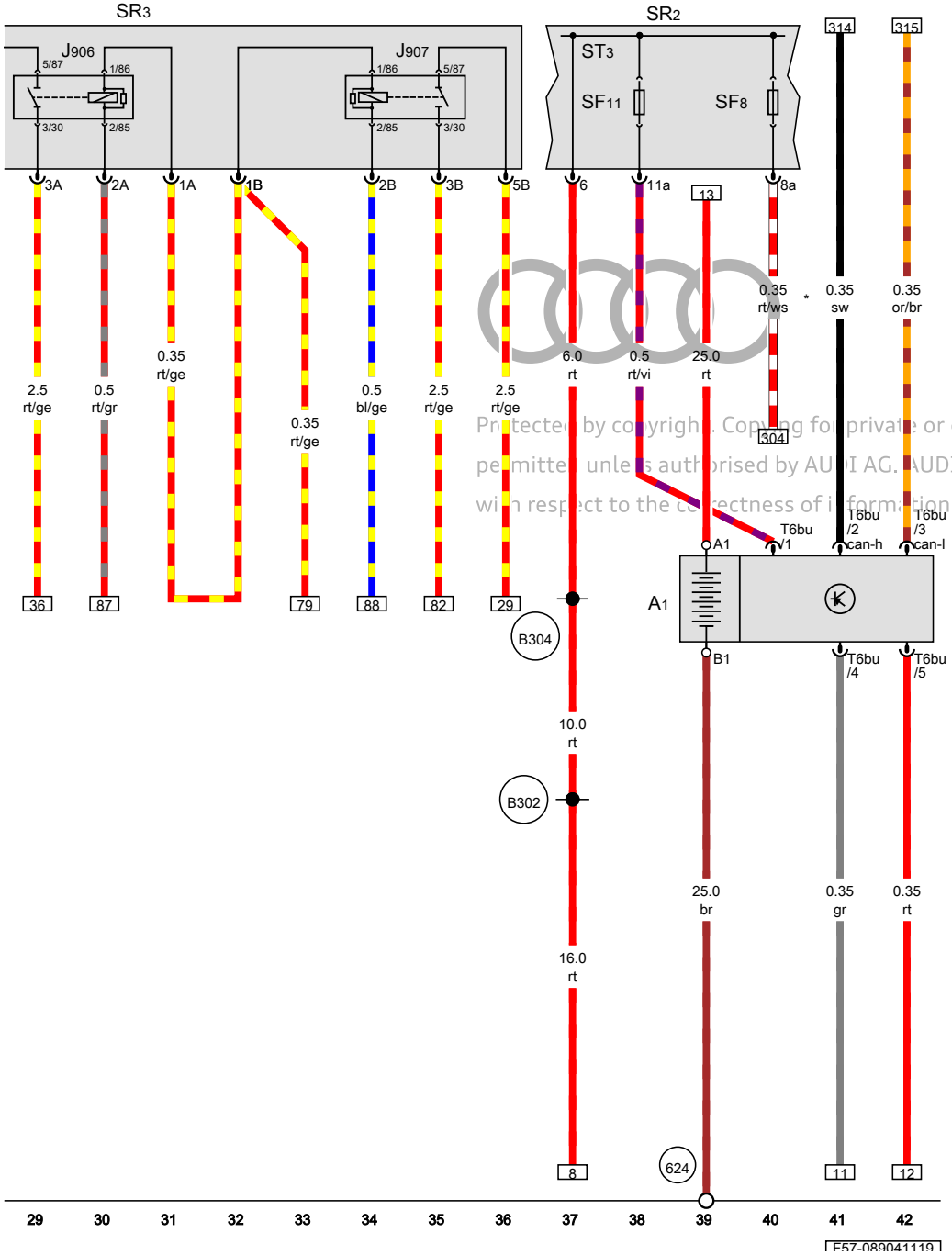

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Second battery, Starter relay 1, Starter relay 2, Relay and fuse carrier 2, Relay and fuse carrier 3

A1	Second battery
J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
SR3	Relay and fuse carrier 3, central in plenum chamber
ST3	Fuse carrier 3, brown
SF8	Fuse 8 in fuse holder F
SF11	Fuse 11 in fuse holder F
T6bu	6-pin connector, black
624	Earth point, starter battery
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	For models with equipment for China

ws	=	white
sw	=	black
ro	=	red
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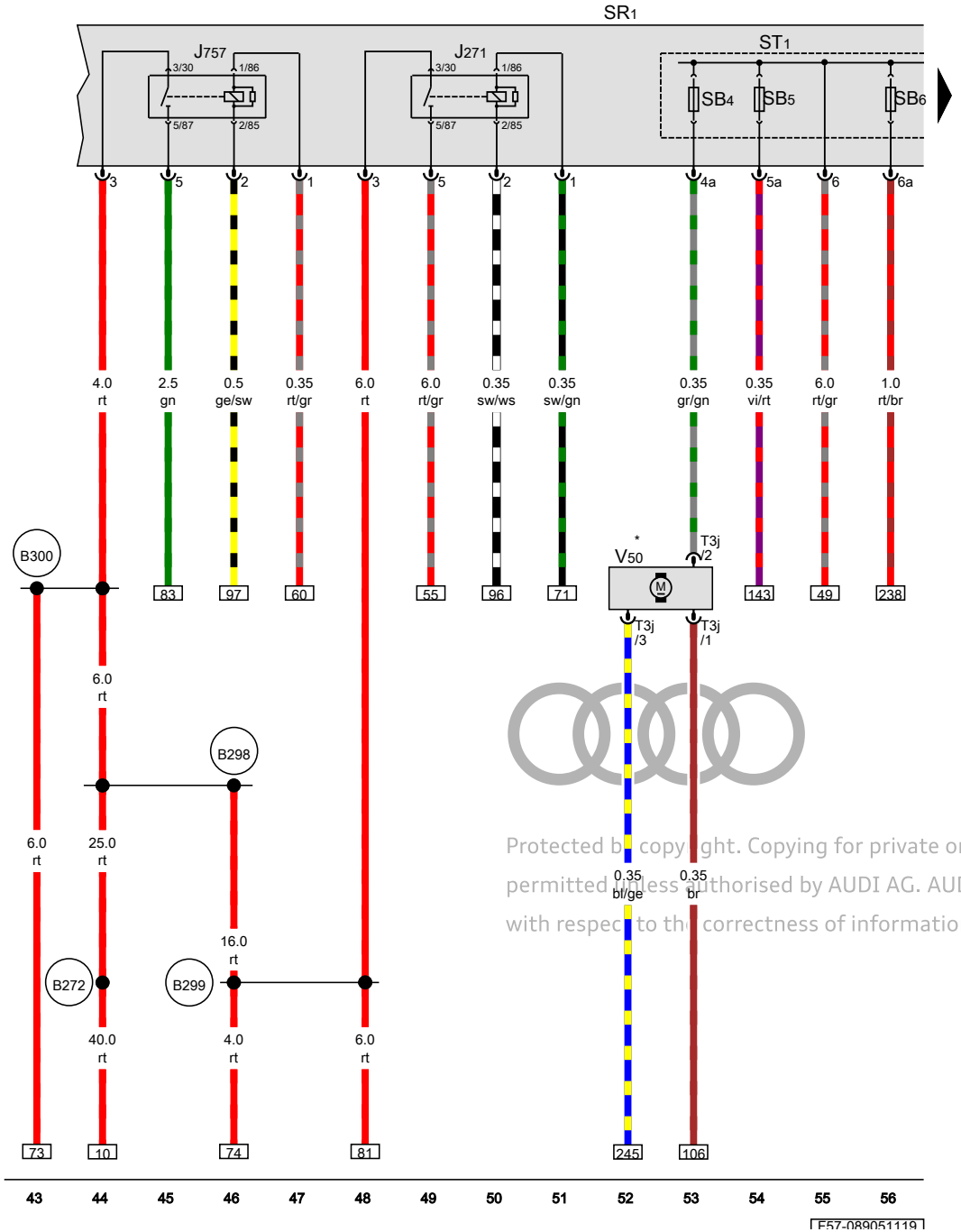

Main relay, Engine component current supply relay, Relay and fuse carrier 1, Coolant circulation pump

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
T3j	3-pin connector, black
V50	Coolant circulation pump
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
*	Heater support function

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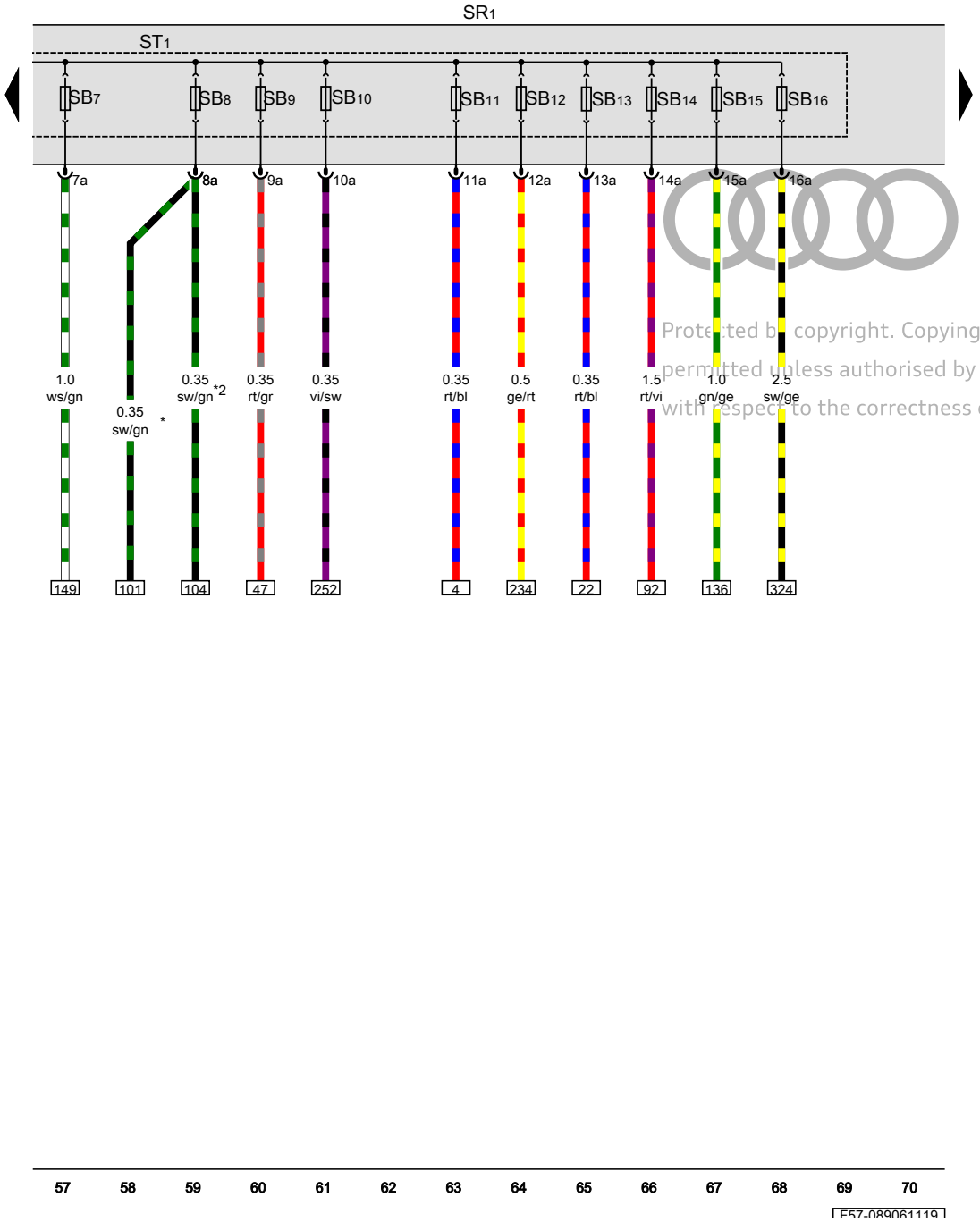

Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
*	For models with automatic gearbox
*2	For models with manual gearbox

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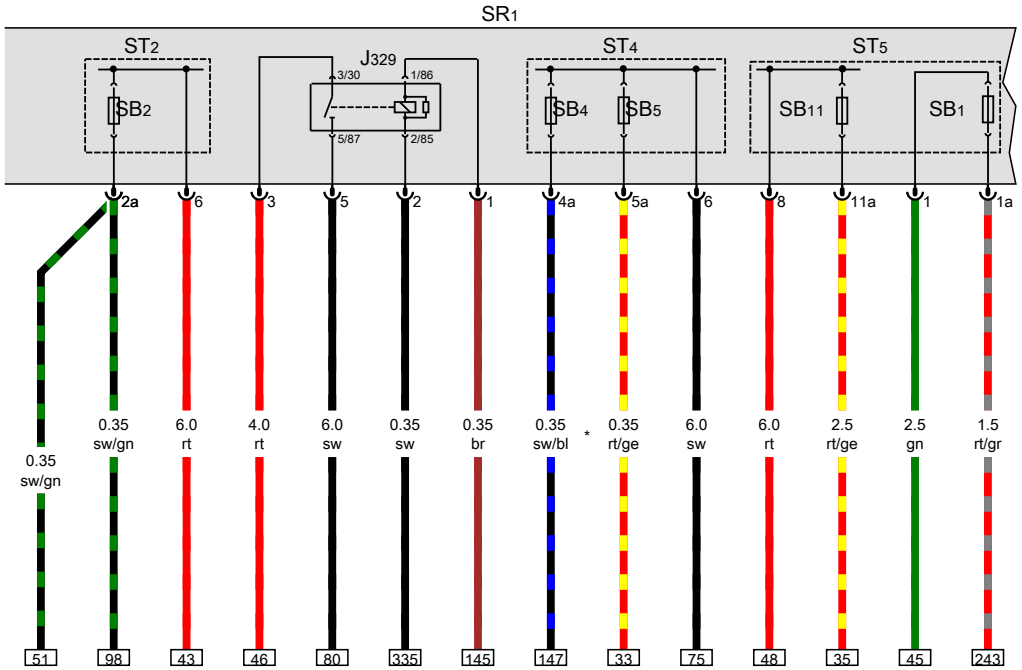

Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
ST4	Fuse carrier 4, black
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5, red
SB11	Fuse 11 on fuse holder B
*	For models with manual gearbox

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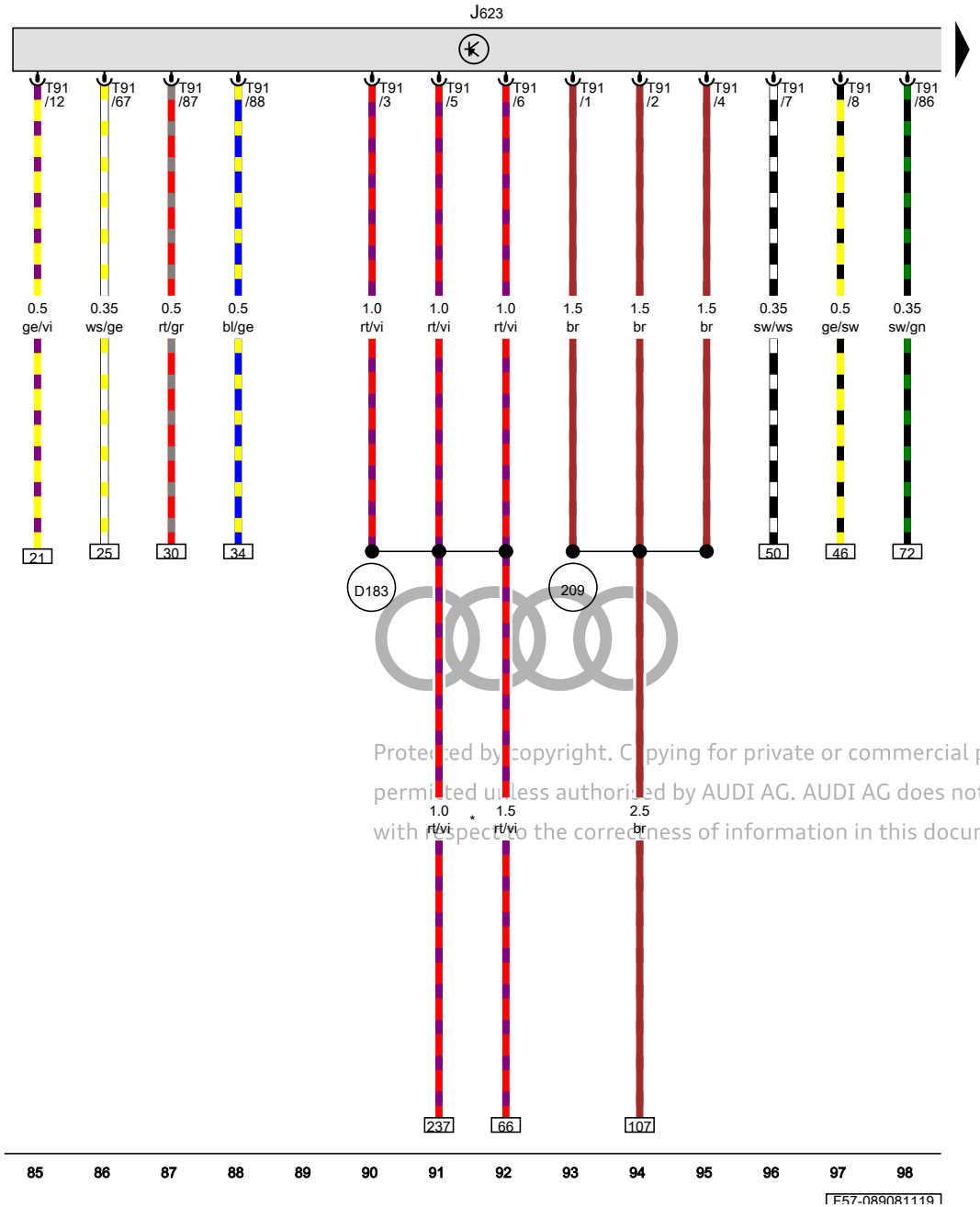
rs	=	pink



Engine/motor control unit

J623	Engine/motor control unit
T91	91-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
D183	Connection 4 (87a), in engine compartment wiring harness
*	For emission standard Euro 6 ZD/E/F

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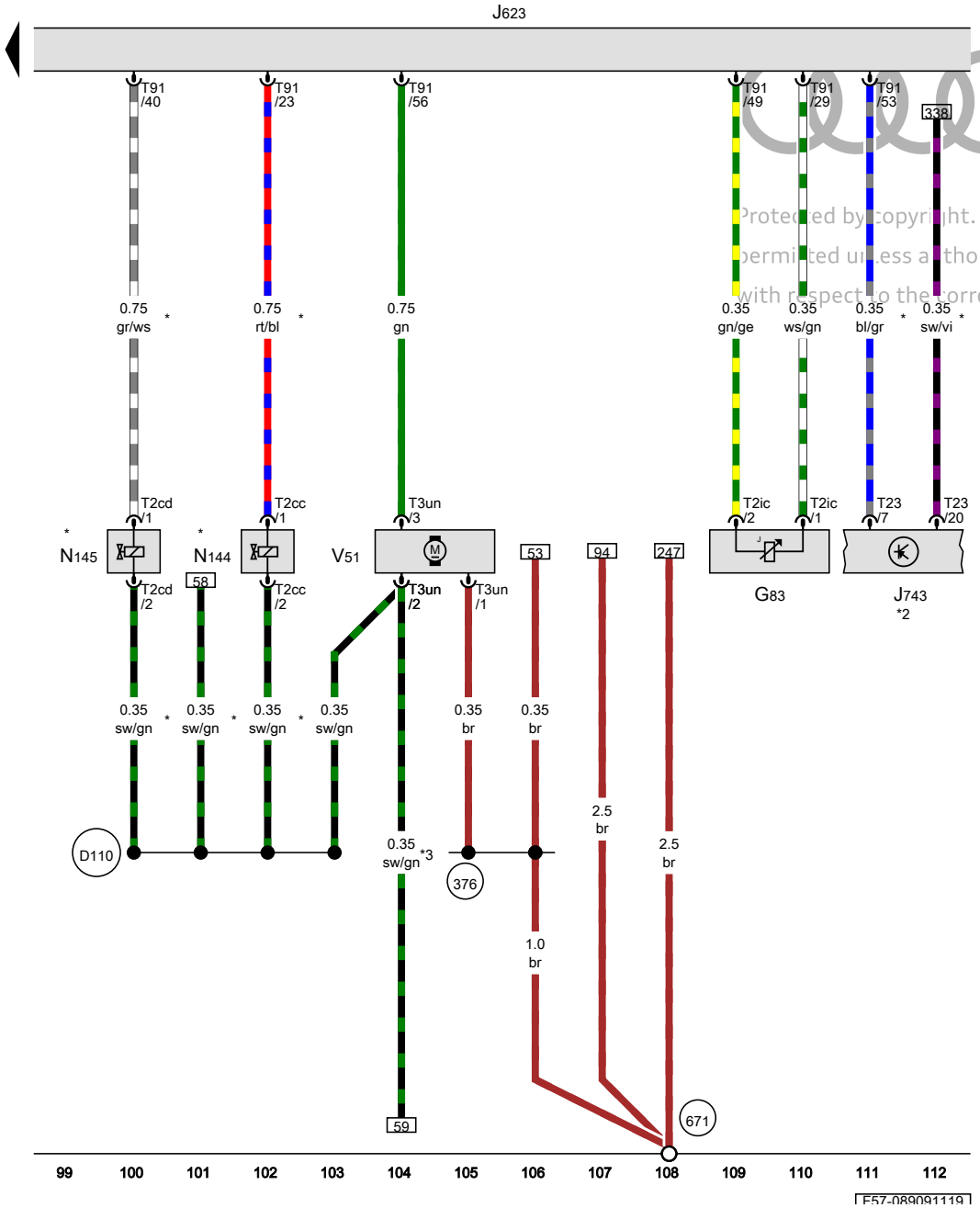

Radiator outlet coolant temperature sender, Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve, Continued coolant circulation pump

G83	Radiator outlet coolant temperature sender
J623	Engine/motor control unit
J743	Mechatronic unit for dual clutch gearbox
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T2ic	2-pin connector, grey
T3un	3-pin connector, black
T23	23-pin connector, black
T91	91-pin connector, black
V51	Continued coolant circulation pump
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	see applicable current flow diagram for automatic gearbox
*3	For models with manual gearbox

ws	=	white
sw	=	black
ro	=	red
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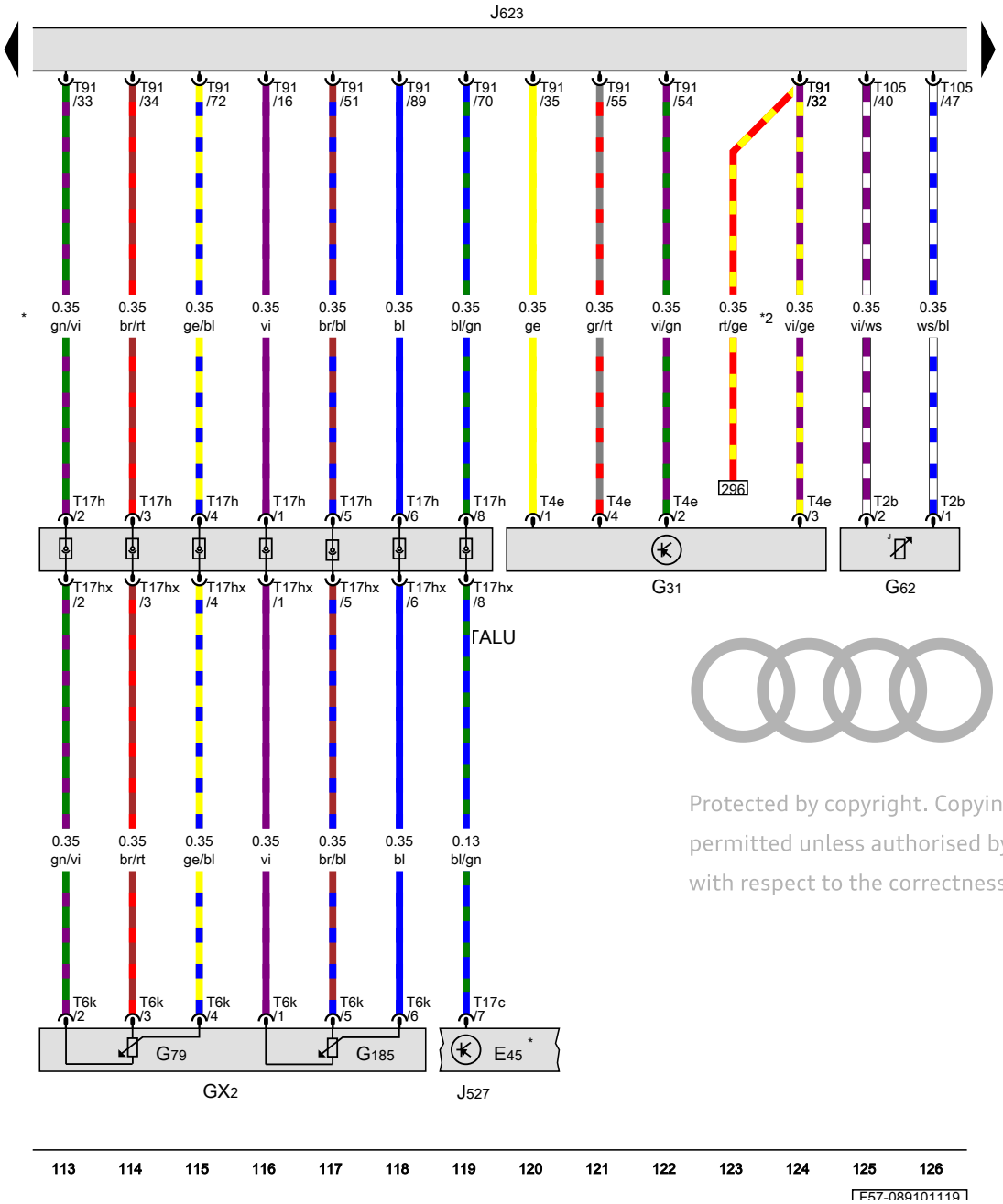

Accelerator pedal module, Charge pressure sender, Coolant temperature sender, Steering column electronics control unit, Engine/motor control unit, Coupling point on left A-pillar, bottom

E45	Cruise control system switch
GX2	Accelerator pedal module
G31	Charge pressure sender
G62	Coolant temperature sender
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit
T2b	2-pin connector, black
T4e	4-pin connector, black
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
T105	105-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with cruise control system (CCS)
*2	For models with equipment for China

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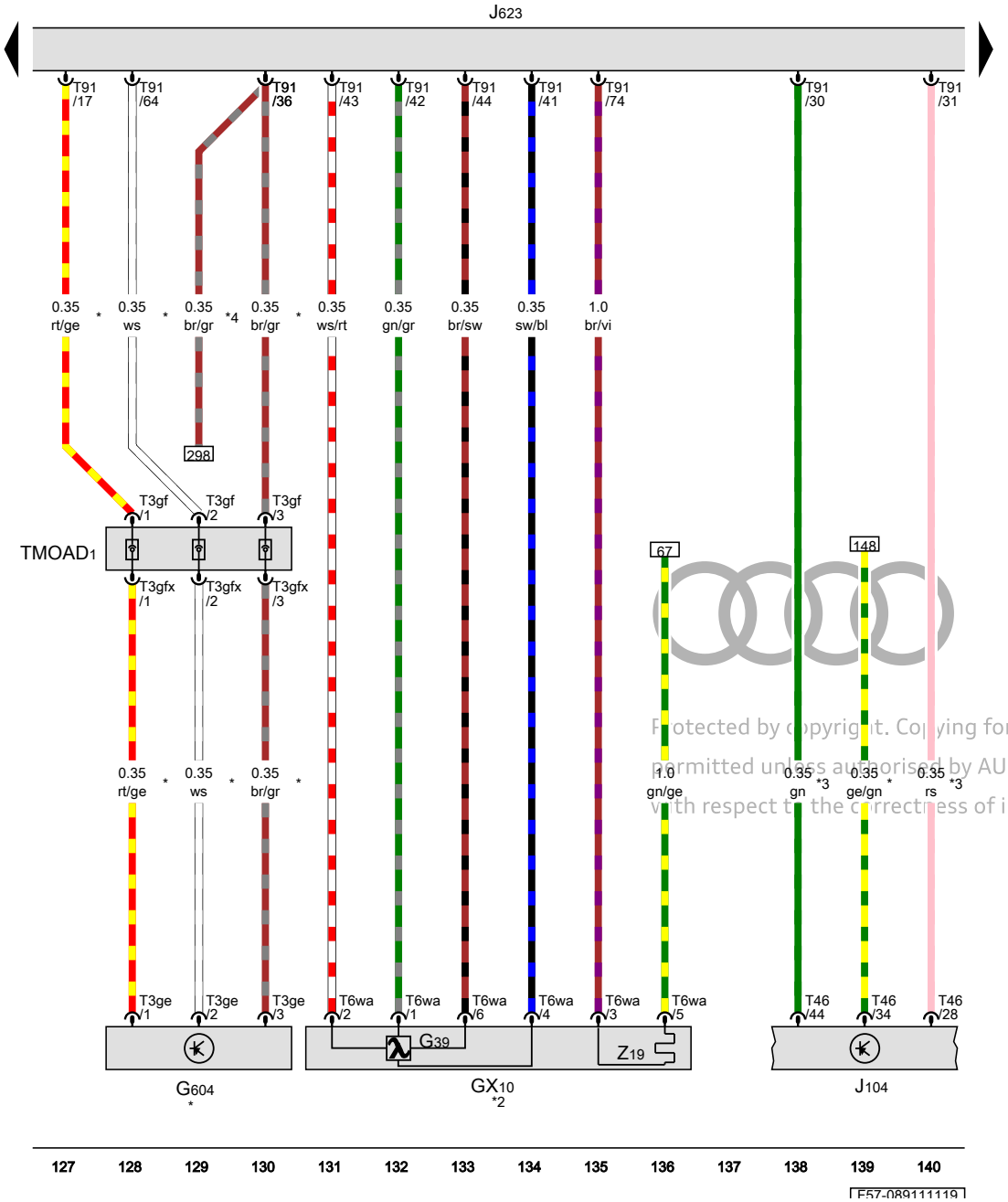
Lambda probe 1 before catalytic converter, Gear detection sensor, Engine/motor control unit, Lambda probe heater

GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G604	Gear detection sensor
J104	ABS control unit
J623	Engine/motor control unit
T3ge	3-pin connector, black, brown
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
T6wa	6-pin connector, black
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T46	46-pin connector, black
T91	91-pin connector, black
Z19	Lambda probe heater
*	For models with manual gearbox
*2	Pre-wired component
*3	Data bus wire (FlexRay bus)
*4	For models with equipment for China



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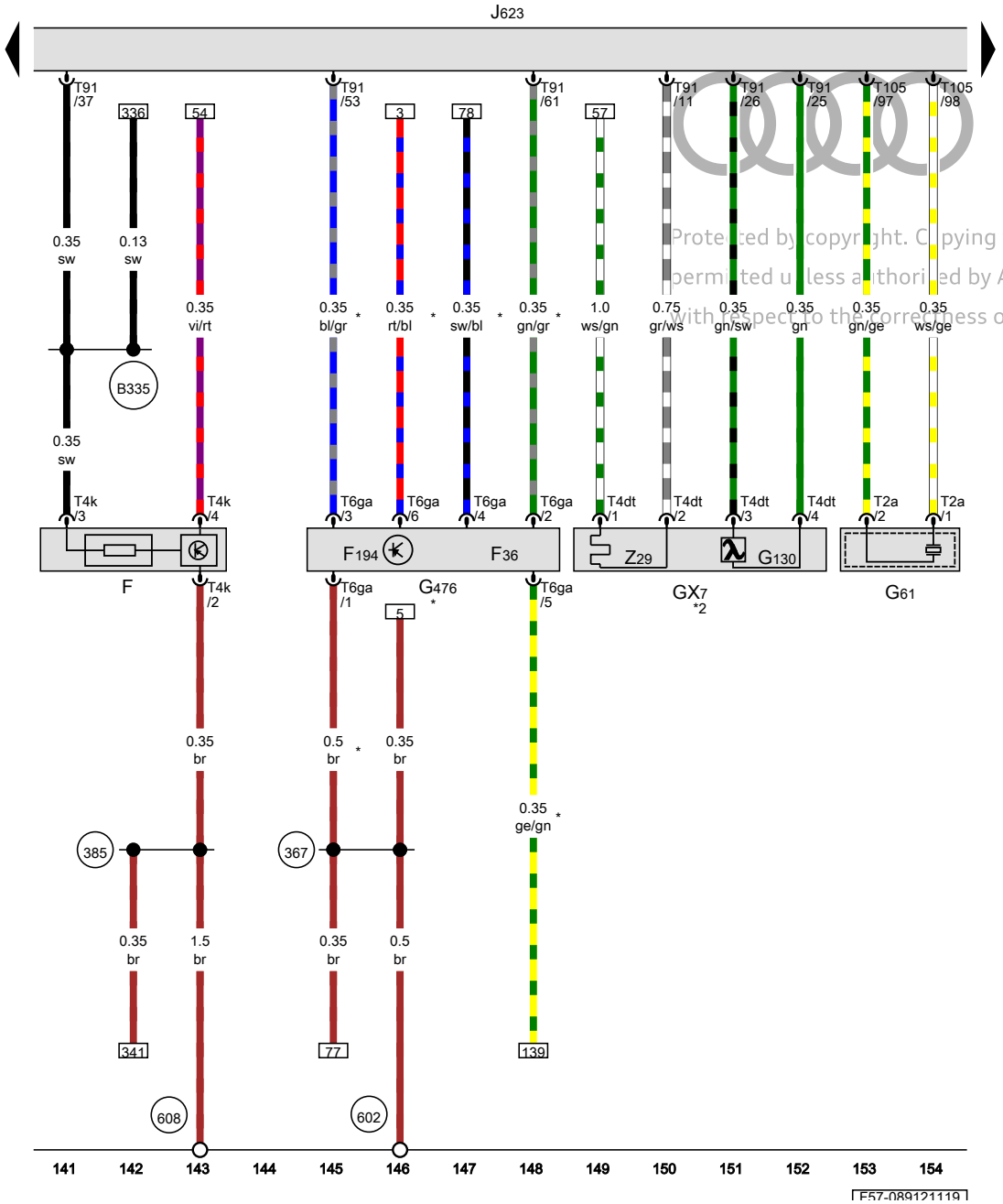

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Brake light switch, Clutch pedal switch, Clutch pedal switch for engine start, Lambda probe 1 after catalytic converter, Knock sensor 1, Clutch position sender, Engine/motor control unit, Lambda probe 1 heater after catalytic converter

F	Brake light switch
F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
GX7	Lambda probe 1 after catalytic converter
G61	Knock sensor 1
G130	Lambda probe after catalytic converter
G476	Clutch position sender
J623	Engine/motor control unit
T2a	2-pin connector, black
T4dt	4-pin connector, black
T4k	4-pin connector, black
T6ga	6-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
Z29	Lambda probe 1 heater after catalytic converter
367	Earth connection 2, in main wiring harness
385	Earth connection 20, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
*	For models with manual gearbox
*2	Pre-wired component

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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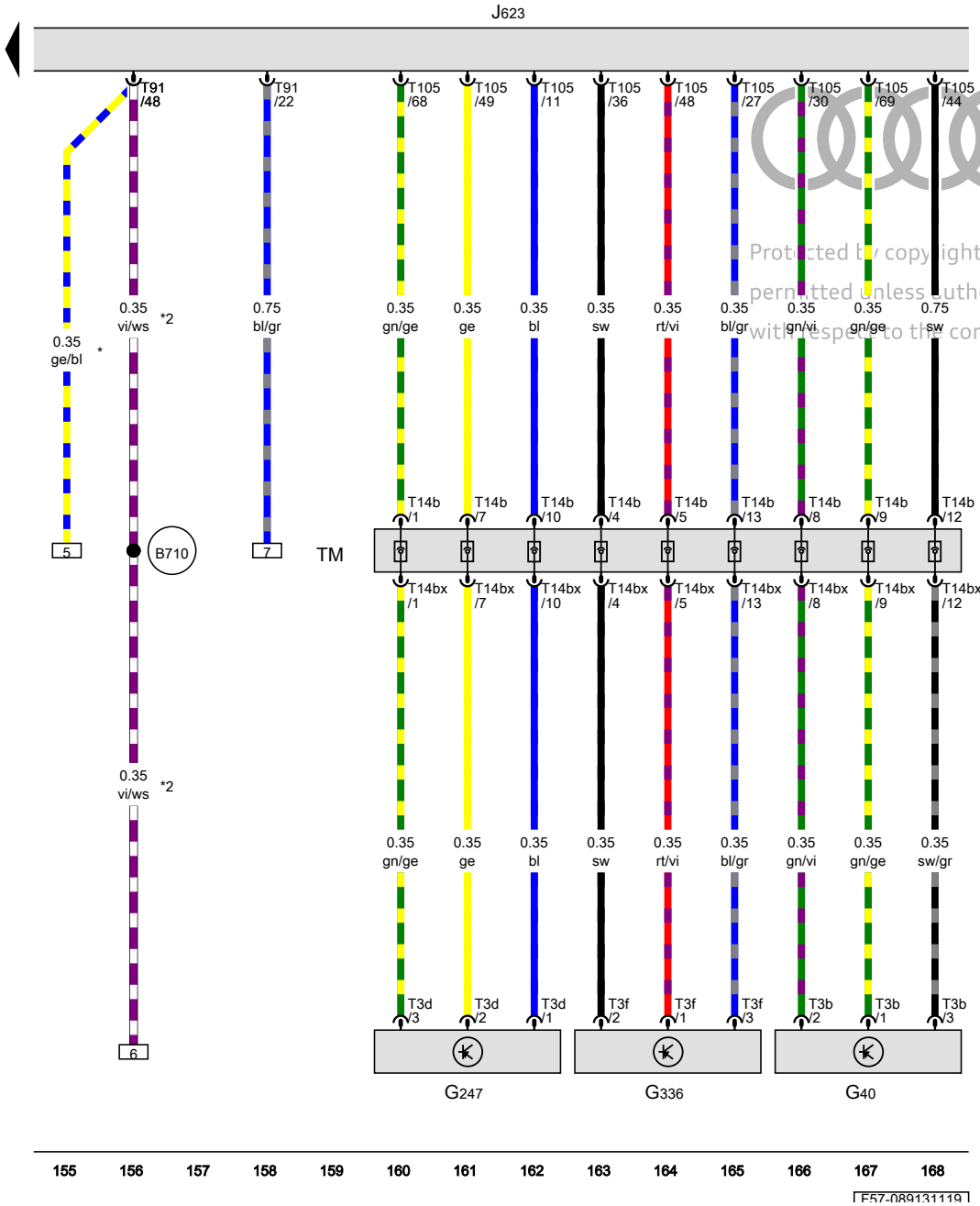

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Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine/motor control unit, Coupling point in engine compartment

G40	Hall sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
J623	Engine/motor control unit
T3b	3-pin connector, black
T3d	3-pin connector, black
T3f	3-pin connector, black
T14b	14-pin connector, black
T14bx	14-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
TM	Coupling point in engine compartment
B710	Connection 5 (LIN bus) in main wiring harness
*	For emission standard Euro 6 ZD/E/F
*2	For emission standard Euro 6 BG/H/I

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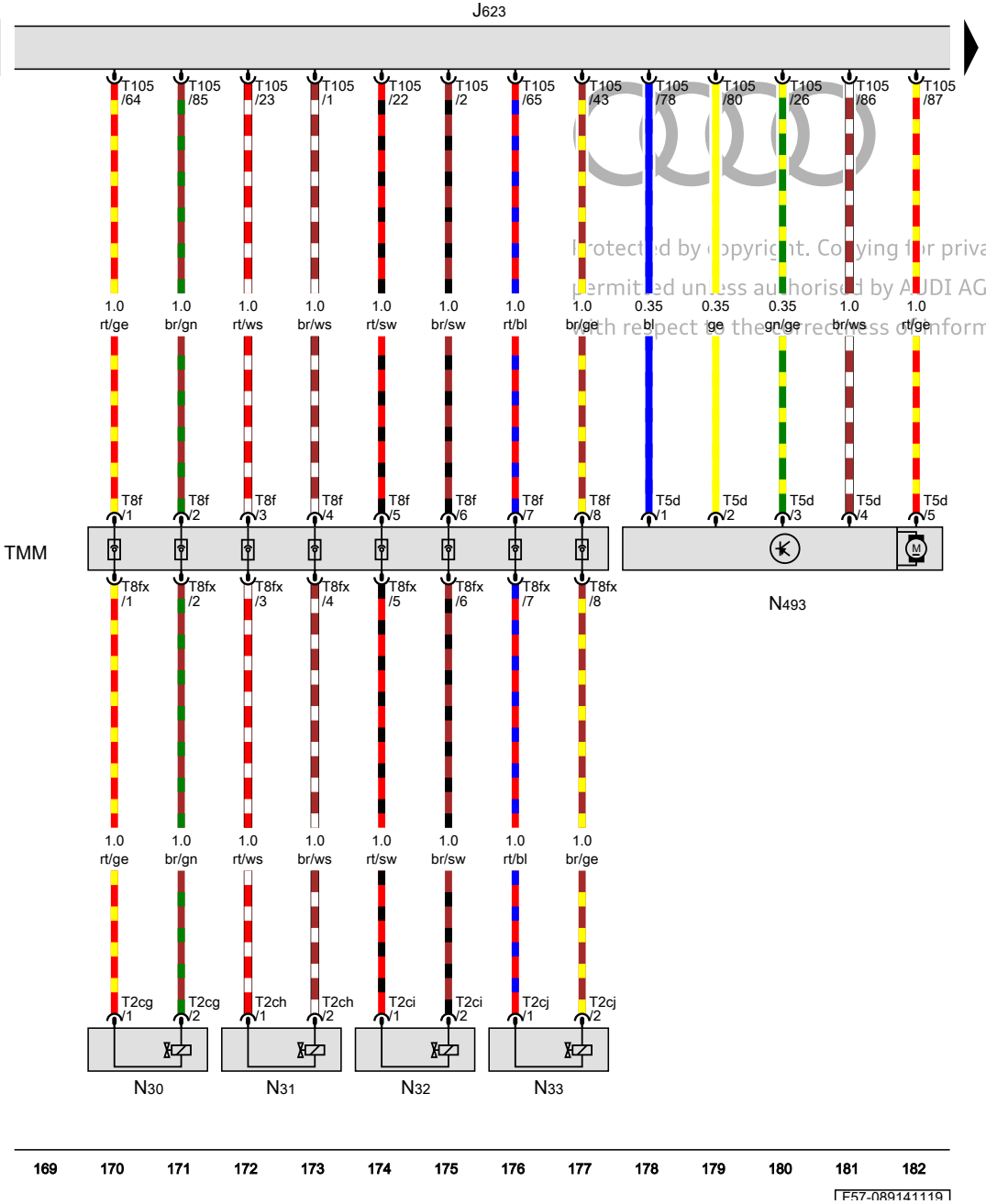

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Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Actuator for engine temperature regulation, Coupling point in engine compartment, centre

J623	Engine/motor control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N493	Actuator for engine temperature regulation
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T5d	5-pin connector, black
T8f	8-pin connector, black
T8fx	8-pin connector, black
T105	105-pin connector, black
TMM	Coupling point in engine compartment, centre

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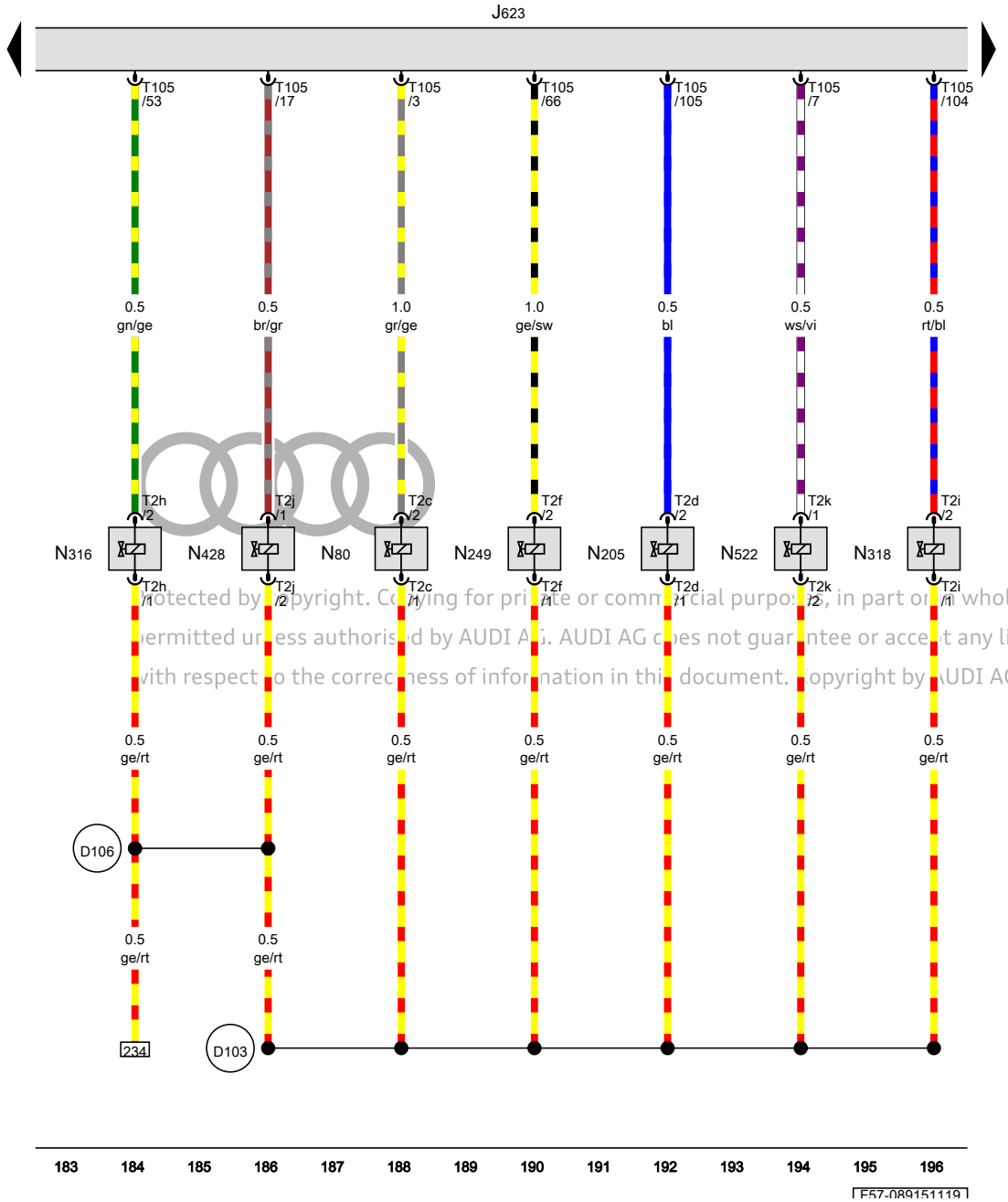

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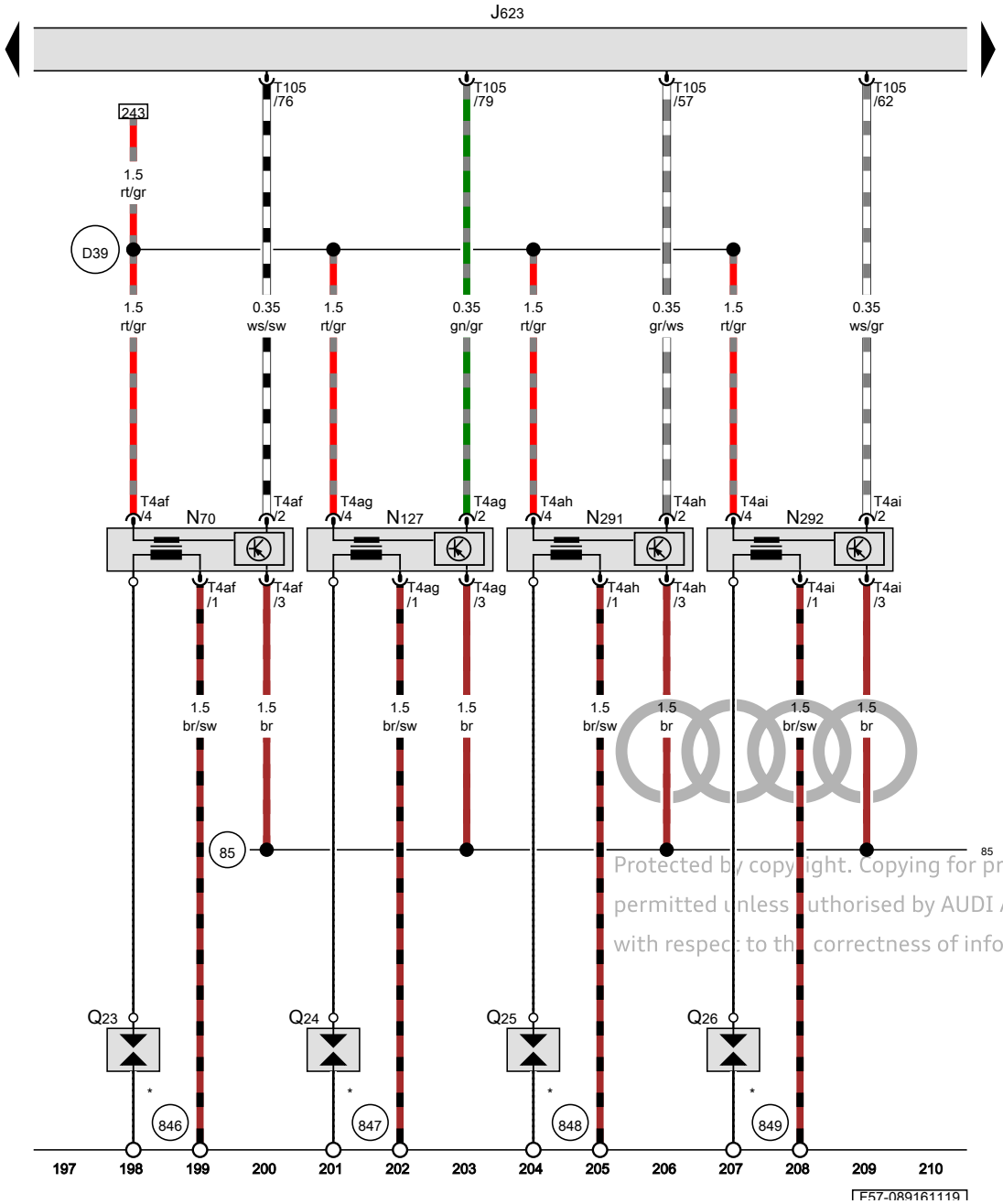
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control, Piston cooling jet control valve

J623	Engine/motor control unit
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
N522	Piston cooling jet control valve
T2c	2-pin connector, black
T2d	2-pin connector, black
T2f	2-pin connector, brown
T2h	2-pin connector, black
T2i	2-pin connector, black
T2j	2-pin connector, black
T2k	2-pin connector, black
T105	105-pin connector, black
D103	Connection 3 in engine compartment wiring harness
D106	Connection 4 in engine compartment wiring harness



Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing

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li	=	purple
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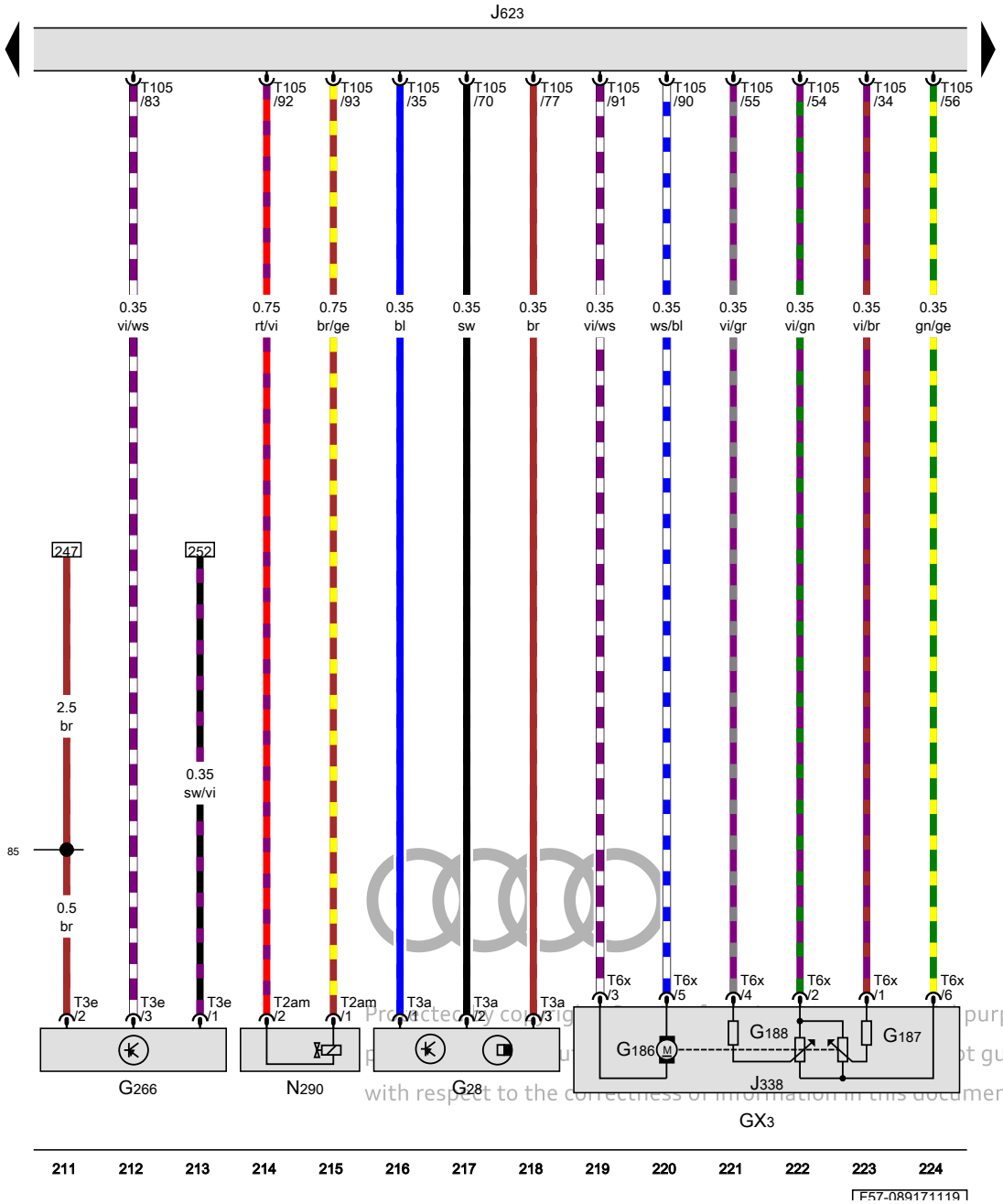
ge	=	yellow
or	=	orange
rs	=	pink



Throttle valve module, Engine speed sender, Oil level and oil temperature sender, Engine/motor control unit, Fuel metering valve

GX3	Throttle valve module
G28	Engine speed sender
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
G266	Oil level and oil temperature sender
J338	Throttle valve module
J623	Engine/motor control unit
N290	Fuel metering valve
T2am	2-pin connector, black
T3a	3-pin connector, black
T3e	3-pin connector, black
T6x	6-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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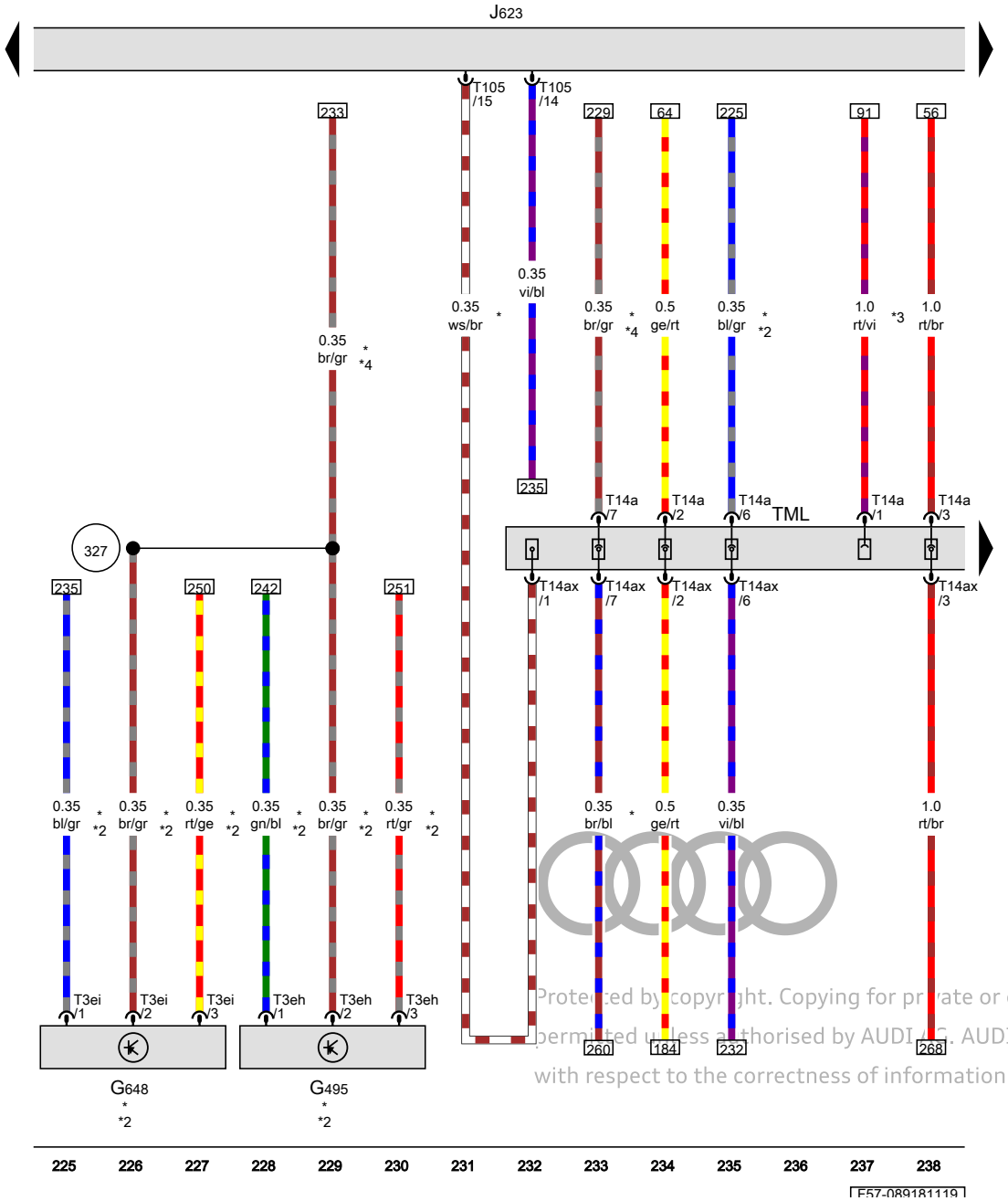

Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine/motor control unit, Coupling point in engine compartment, left

G495	Exhaust gas temperature sender 3
G648	Exhaust gas temperature sender 4
J623	Engine/motor control unit
T3eh	3-pin connector, black, brown
T3ei	3-pin connector, black, brown
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
327	Earth connection (sender earth), in engine compartment wiring harness
*	For emission standard Euro 6 BG/H/I
*2	For emission standard Euro 6 DG
*3	For emission standard Euro 6 ZD/E/F
*4	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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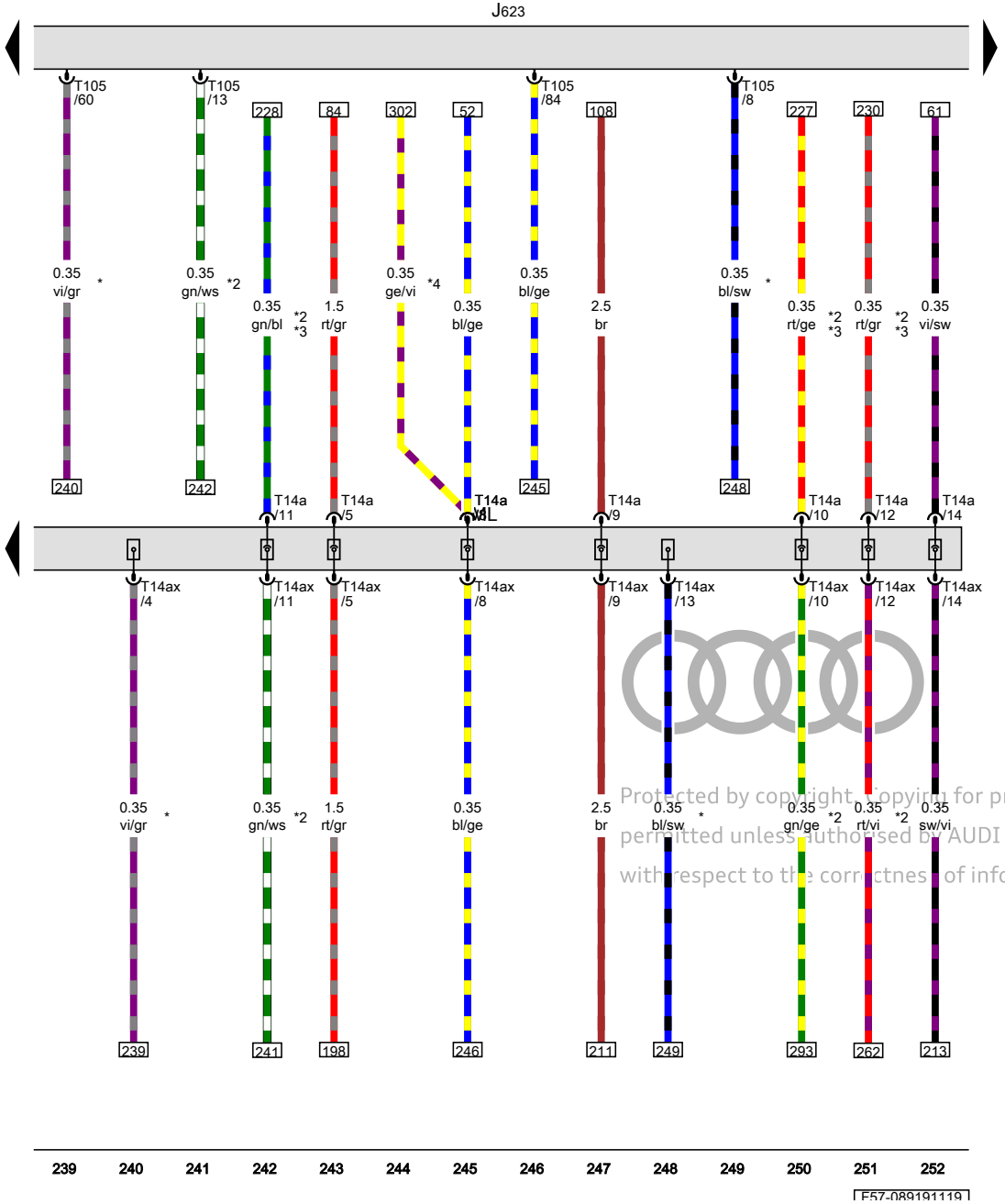

Engine/motor control unit, Coupling point in engine compartment, left

J623	Engine/motor control unit
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
*	According to equipment
*2	For emission standard Euro 6 BG/H/I
*3	For emission standard Euro 6 DG
*4	For models with equipment for China

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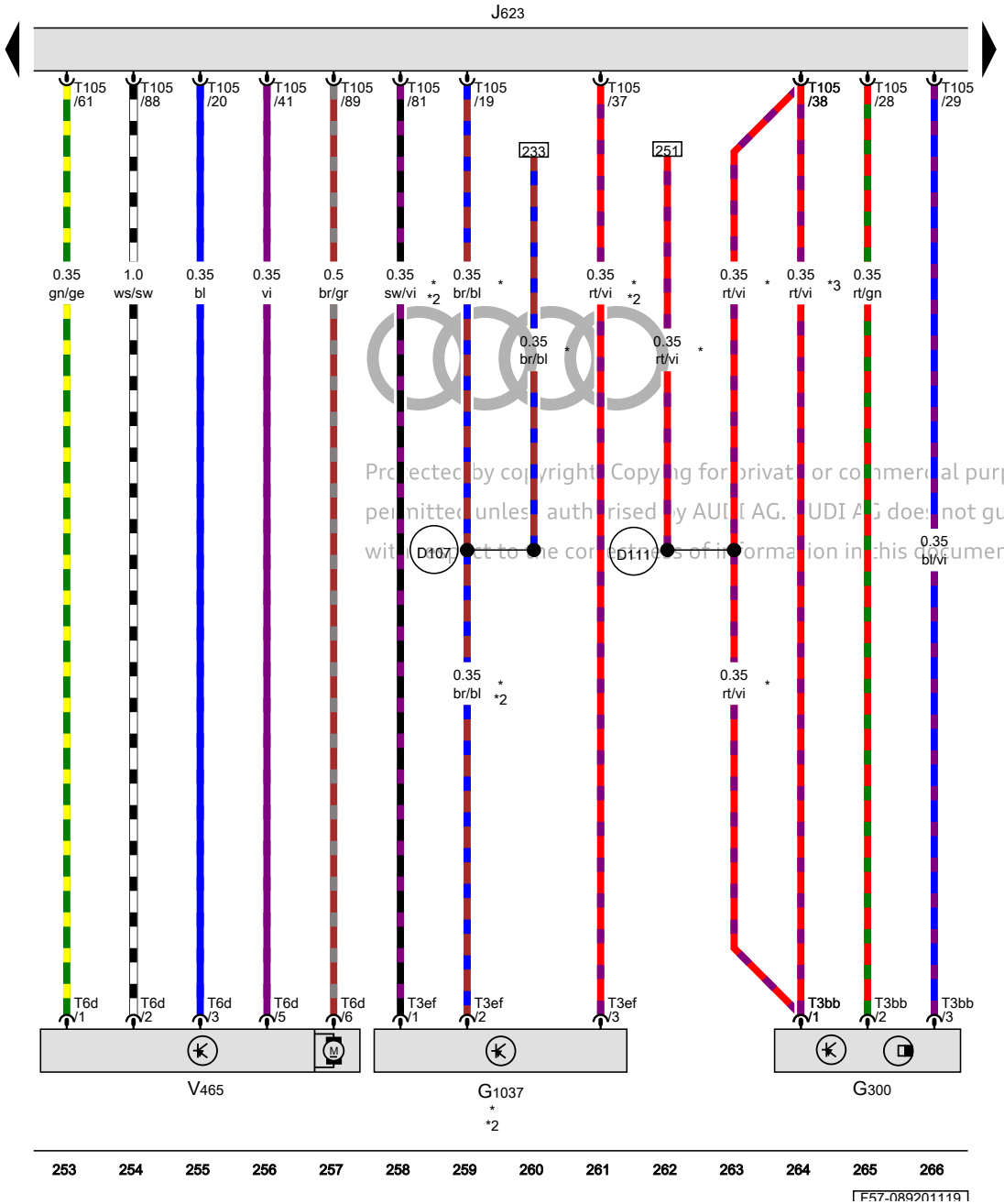
rs	=	pink

Hall sender 3, Pressure differential sender for particulate filter, Engine/motor control unit, Charge pressure positioner

G300	Hall sender 3
G1037	Pressure differential sender for particulate filter
J623	Engine/motor control unit
T3bb	3-pin connector, black
T3ef	3-pin connector, black
T6d	6-pin connector, grey
T105	105-pin connector, black
V465	Charge pressure positioner
D107	Connection 5 in engine compartment wiring harness
D111	Connection 9 in engine compartment wiring harness
*	For emission standard Euro 6 BG/H/I
*2	For emission standard Euro 6 DG
*3	For emission standard Euro 6 ZD/E/F



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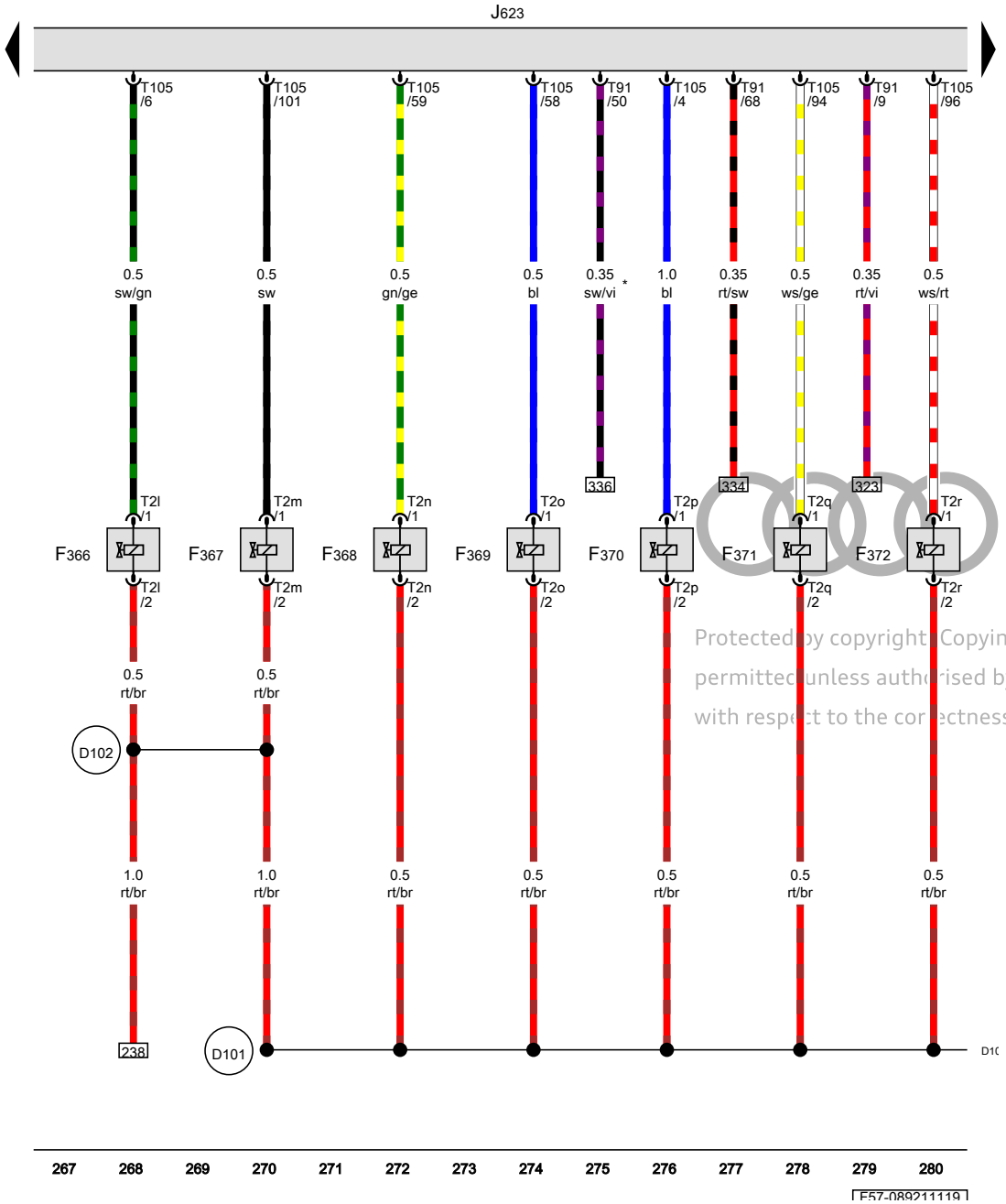

Cam adjustment actuator 1, Cam adjustment actuator 2, Cam adjustment actuator 3, Cam adjustment actuator 4, Cam adjustment actuator 5, Cam adjustment actuator 6, Cam adjustment actuator 7, Engine/motor control unit

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F370	Cam adjustment actuator 5
F371	Cam adjustment actuator 6
F372	Cam adjustment actuator 7
J623	Engine/motor control unit
T2l	2-pin connector, black
T2m	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2p	2-pin connector, black
T2q	2-pin connector, black
T2r	2-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness
*	For models with automatic gearbox

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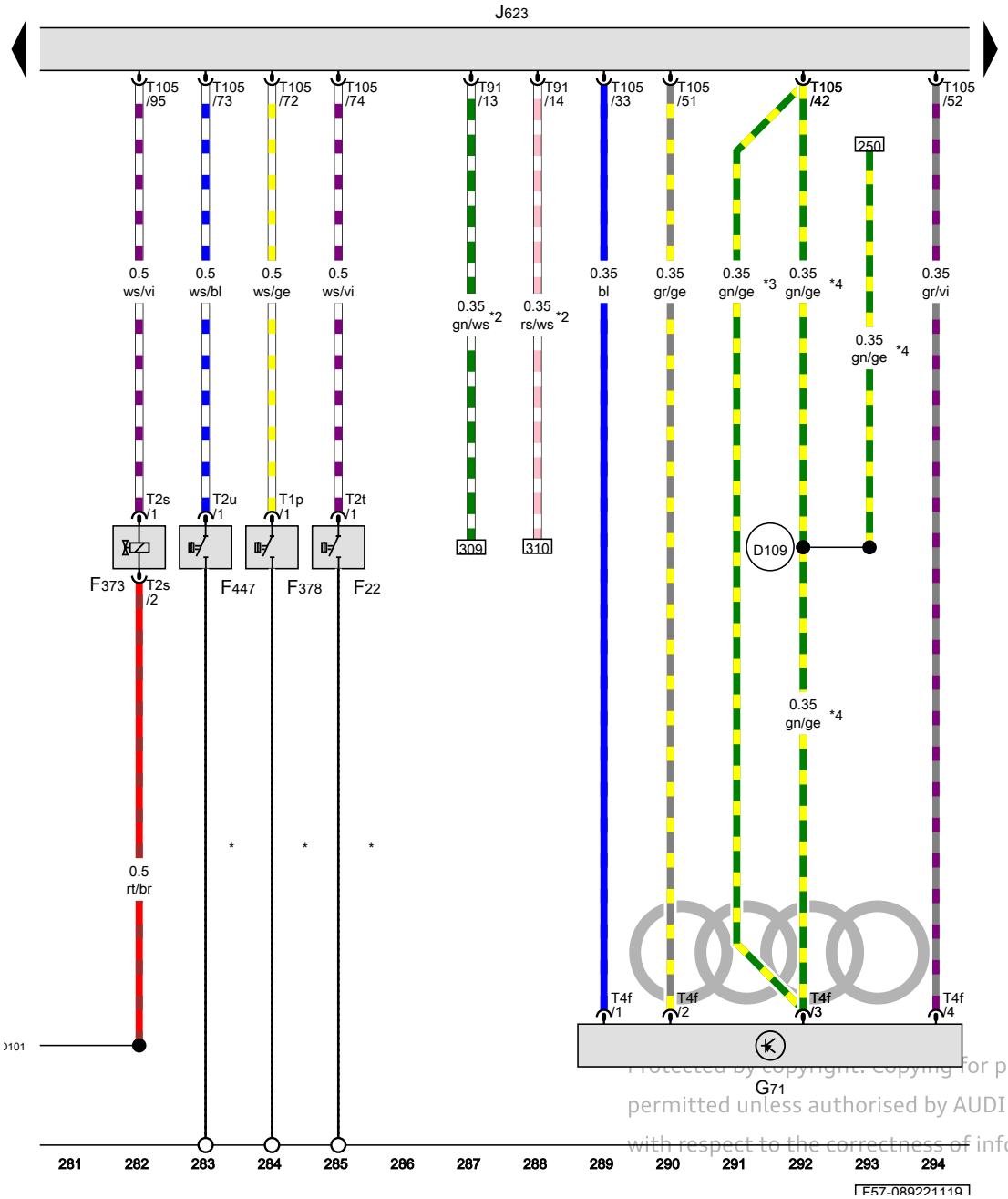

Cam adjustment actuator 8, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Intake manifold pressure sender, Engine/motor control unit

F22	Oil pressure switch
F373	Cam adjustment actuator 8
F378	Oil pressure switch for reduced oil pressure
F447	Stage 3 oil pressure switch
G71	Intake manifold pressure sender
J623	Engine/motor control unit
T1p	1-pin connector, black
T2s	2-pin connector, black
T2t	2-pin connector, black
T2u	2-pin connector, black
T4f	4-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D109	Connection 7 in engine compartment wiring harness
*	Earth supply via housing
*2	Data bus wire (FlexRay bus)
*3	For emission standard Euro 6 ZD/E/F
*4	For emission standard Euro 6 BG/H/I

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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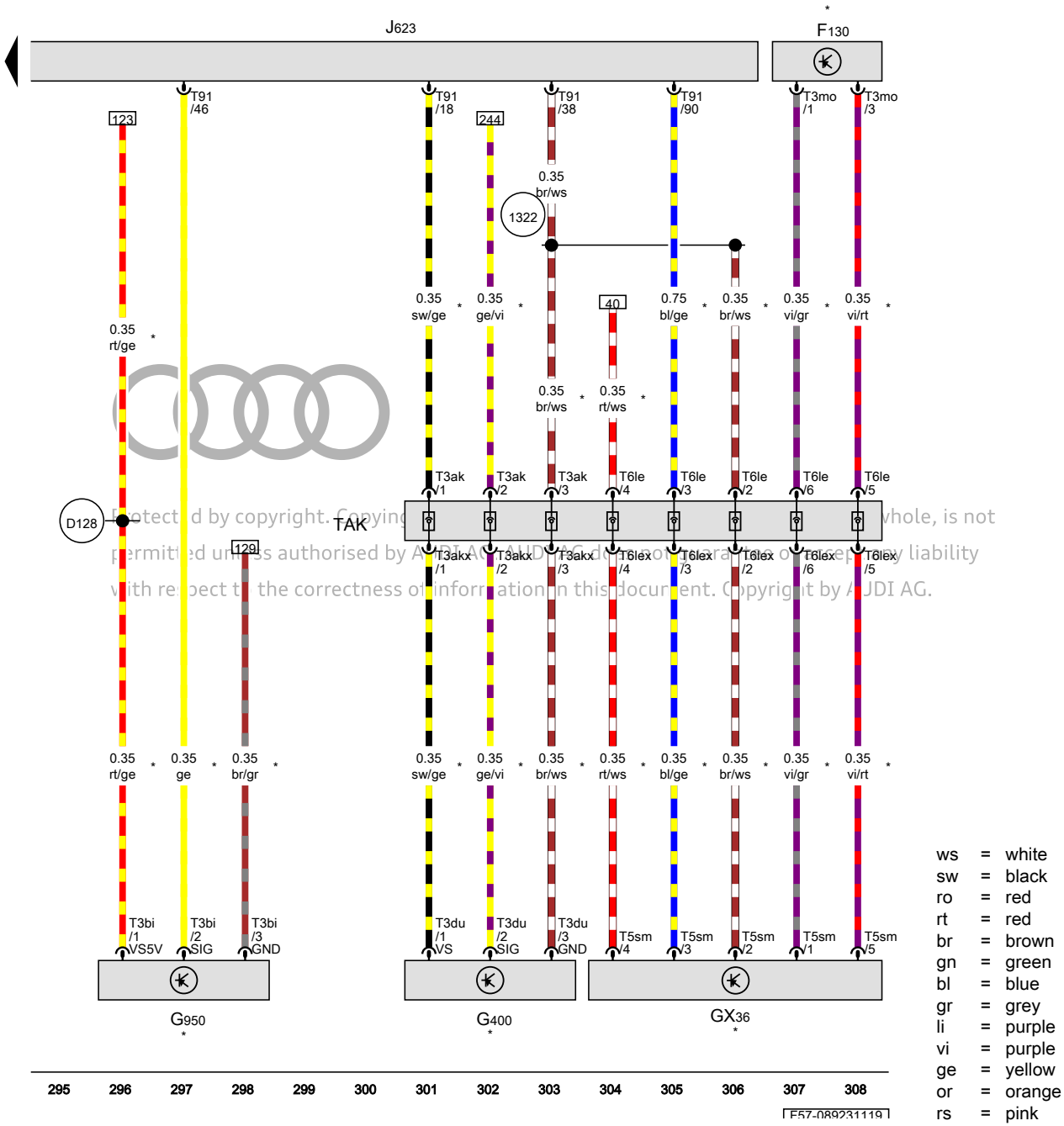

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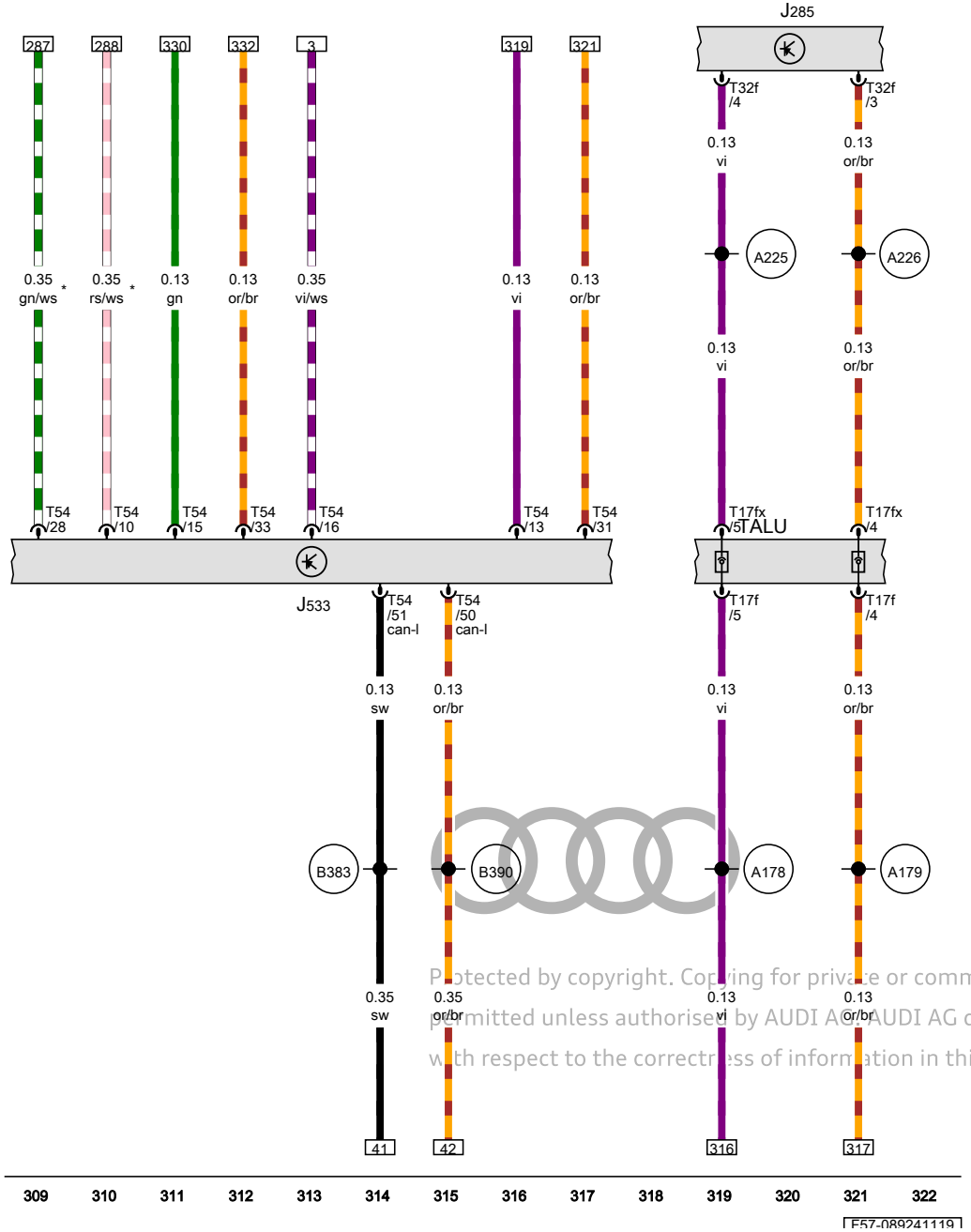
Fuel pump run-on pressure switch, Fuel tank leak detection module, Tank pressure sensor, Tank breather pressure sensor 1, Engine/motor control unit

F130	Fuel pump run-on pressure switch, near fuel tank
GX36	Fuel tank leak detection module, near fuel tank
G400	Tank pressure sensor
G950	Tank breather pressure sensor 1
J623	Engine/motor control unit
T3ak	3-pin connector, black
T3akx	3-pin connector, black
T3bi	3-pin connector, black
T3du	3-pin connector, black
T3mo	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T91	91-pin connector, black
TAK	Coupling point for fuel tank, near fuel tank
1322	Earth connection, in tank prewiring harness
D128	Connection 26 in engine compartment wiring harness
*	For models with equipment for China



Control unit in dash panel insert, Data bus diagnostic interface

J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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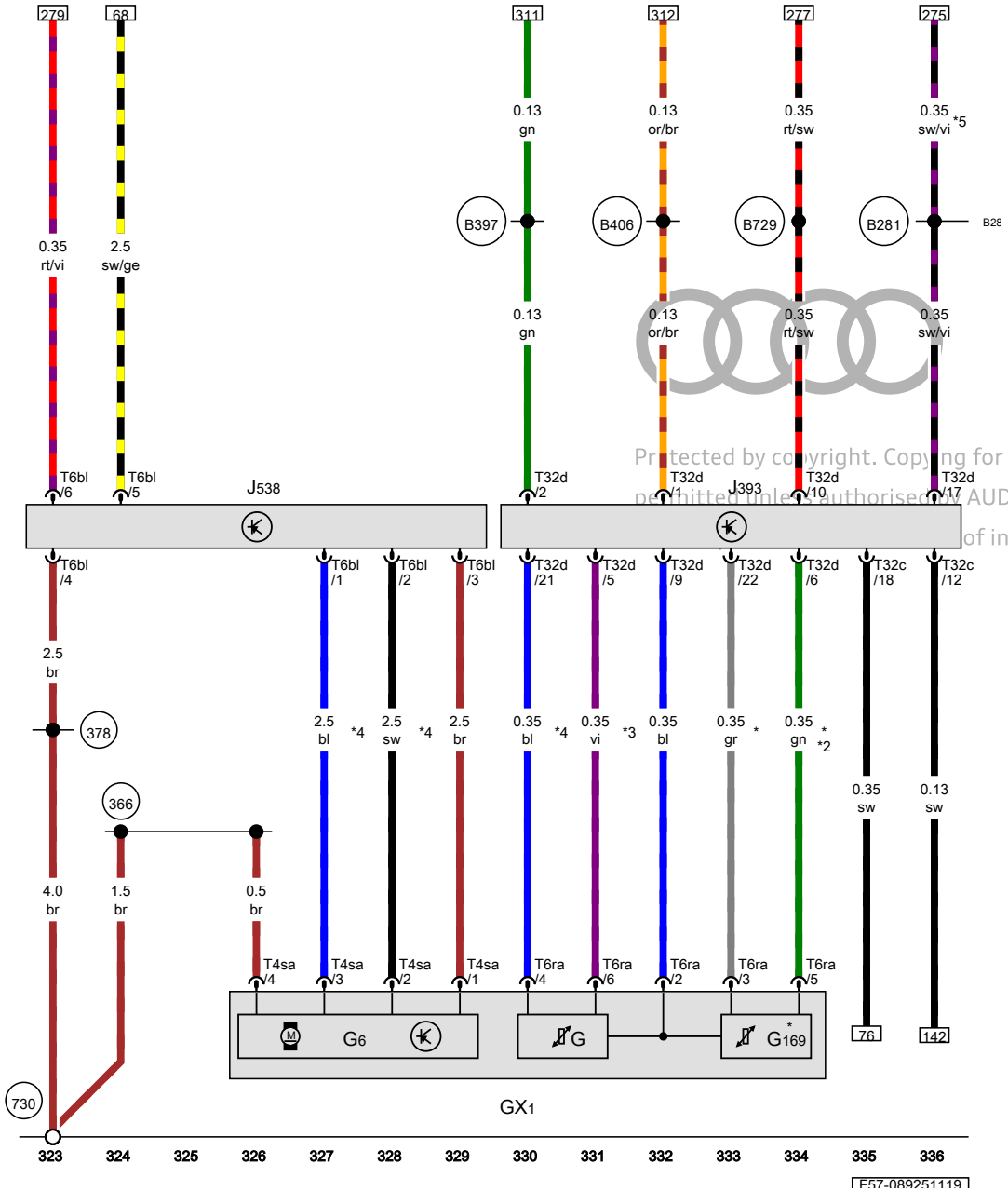
Fuel delivery unit, Convenience system central control unit, Fuel pump control unit



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sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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rs	=	pink

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, colourless
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Up to July 2018
*3	According to equipment
*4	Wiring colour depends on equipment
*5	For models with automatic gearbox

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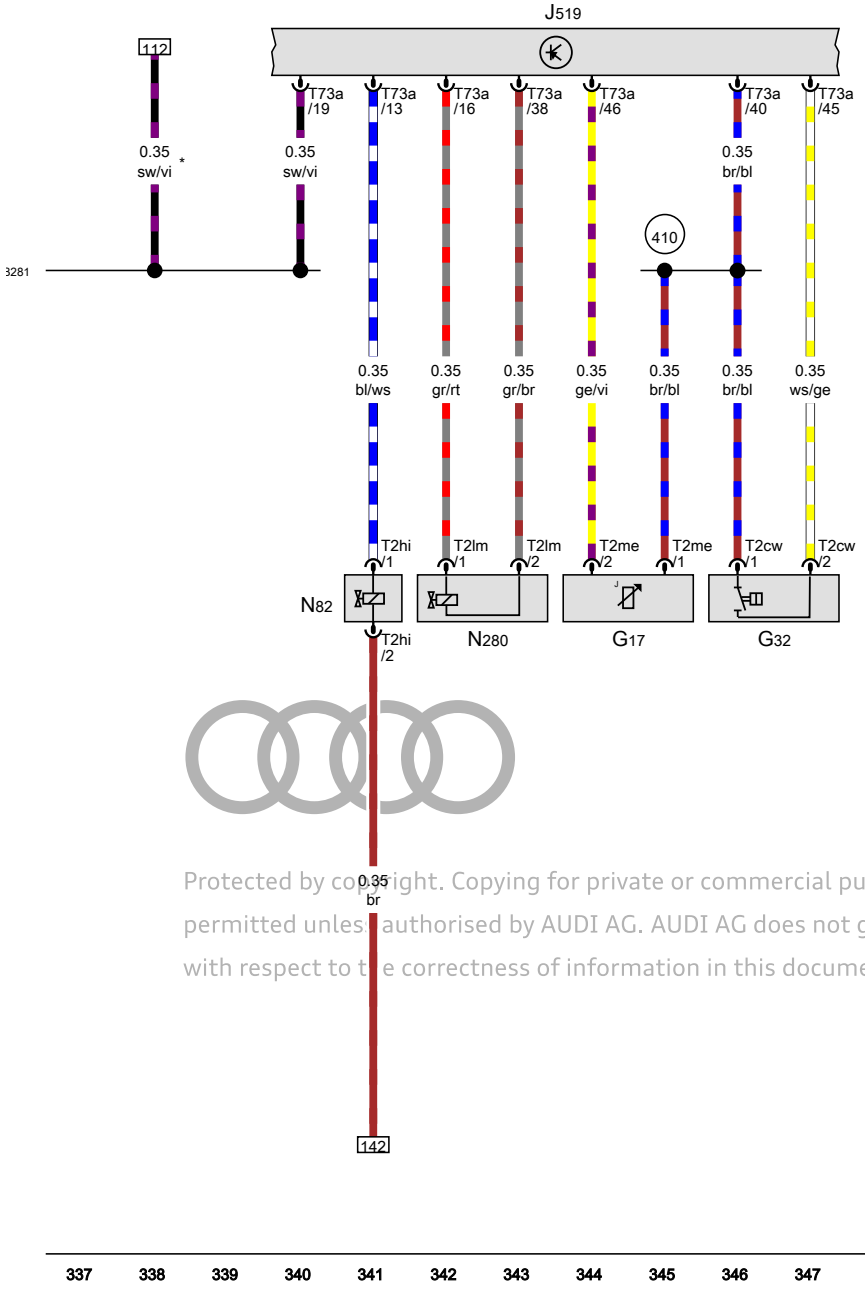

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Ambient temperature sensor, Coolant shortage indicator sender, Onboard supply control unit, Coolant shut-off valve, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
J519	Onboard supply control unit
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T2lm	2-pin connector, black
T2me	2-pin connector, black
T73a	73-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	For models with automatic gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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rs	=	pink

Mobile telephone systems , (9ZE),(9ZV),(9ZX)

From July 2016

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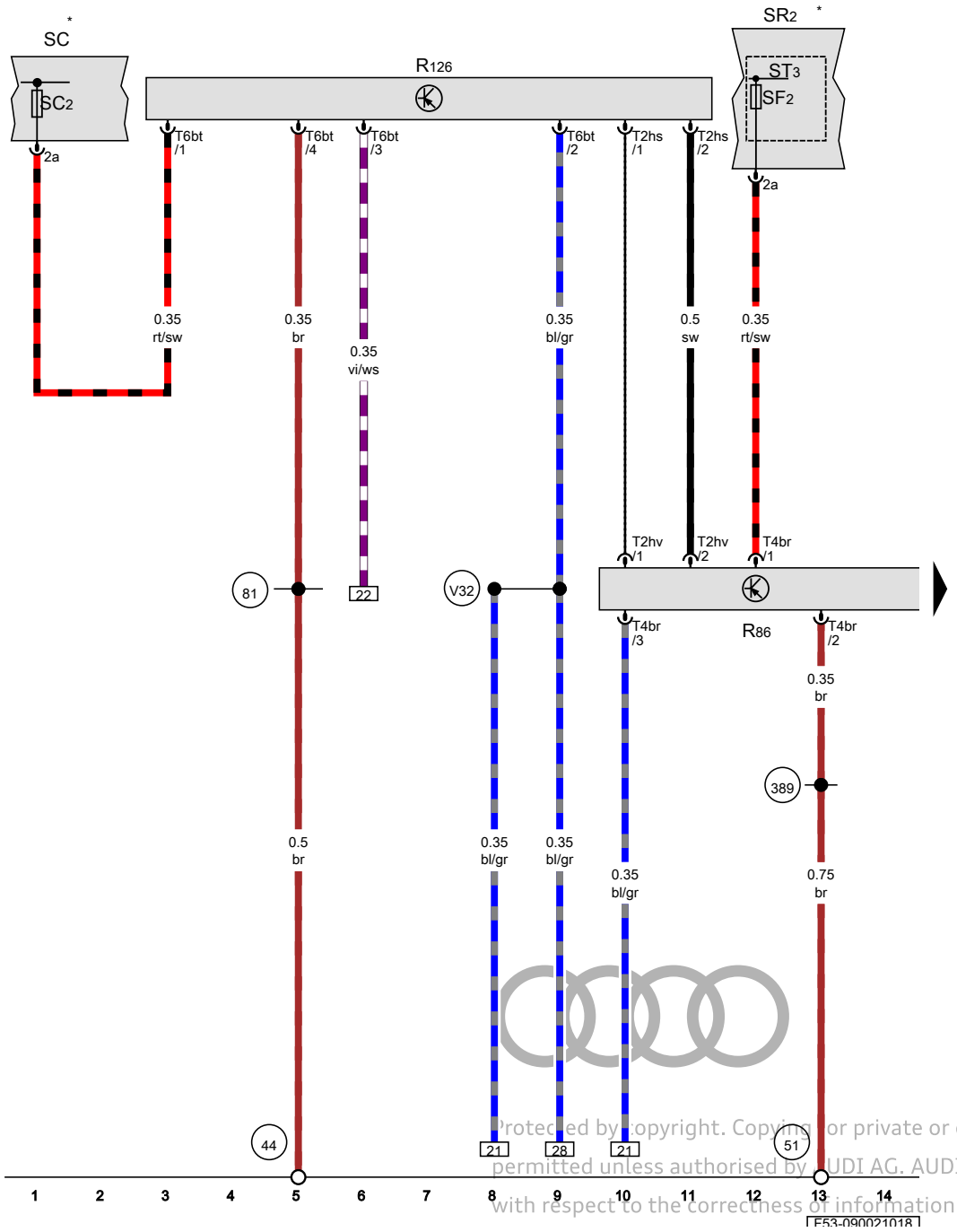

Aerial amplifier for mobile telephone, Telephone bracket, Relay and fuse carrier 2

R86	Aerial amplifier for mobile telephone
R126	Telephone bracket
SC	Fuse holder C
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
SF2	Fuse 2 in fuse holder F
SC2	Fuse 2 on fuse holder C
ST3	Fuse carrier 3, brown
T2hs	2-pin connector, purple
T2hv	2-pin connector, black
T4br	4-pin connector, black
T6bt	6-pin connector, black
44	Earth point, lower part of left A-pillar
51	Earth point, on right in luggage compartment
81	Earth connection 1, in dash panel wiring harness
389	Earth connection 24, in main wiring harness
V32	Positive connection (30), in telephone wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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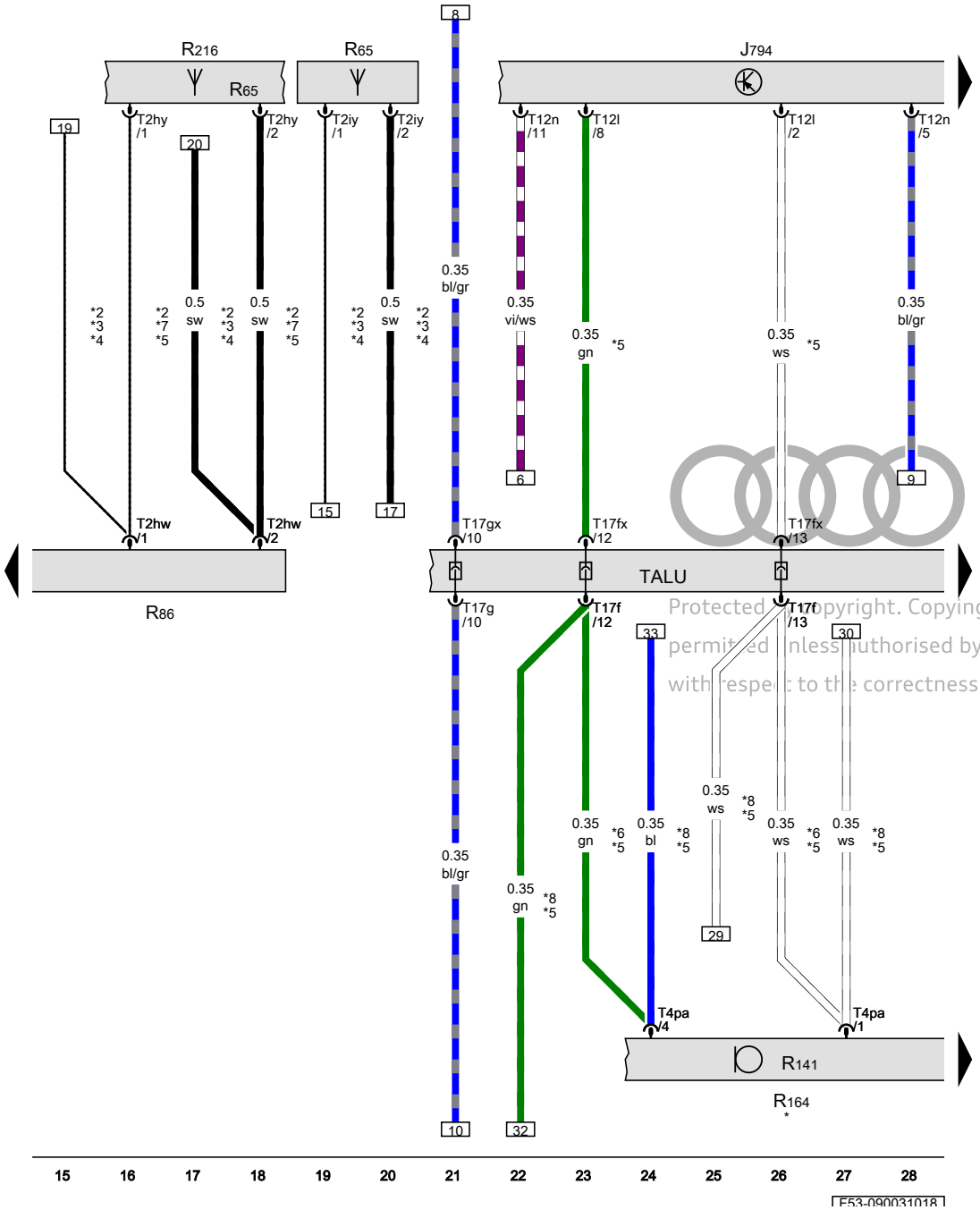

Control unit 1 for information electronics, Telephone aerial, Aerial amplifier for mobile telephone, Front right microphone, Microphone unit in front roof module, Roof aerial

J794	Control unit 1 for information electronics
R65	Telephone aerial, behind rear bumper on right
R86	Aerial amplifier for mobile telephone
R141	Front right microphone
R164	Microphone unit in front roof module
R216	Roof aerial
T2hw	2-pin connector, purple, yellow, colourless
T2hy	2-pin connector, purple
T2iy	2-pin connector, purple
T4pa	4-pin connector, blue
T12l	12-pin connector, blue
T12n	12-pin connector, grey
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
*	see applicable current flow diagram for emergency call module
*2	According to equipment
*3	For models with mobile online services
*4	For models with emergency call module
*5	For models with no emergency call module
*6	For left-hand drive models
*7	For models with no mobile online services
*8	For right-hand drive models

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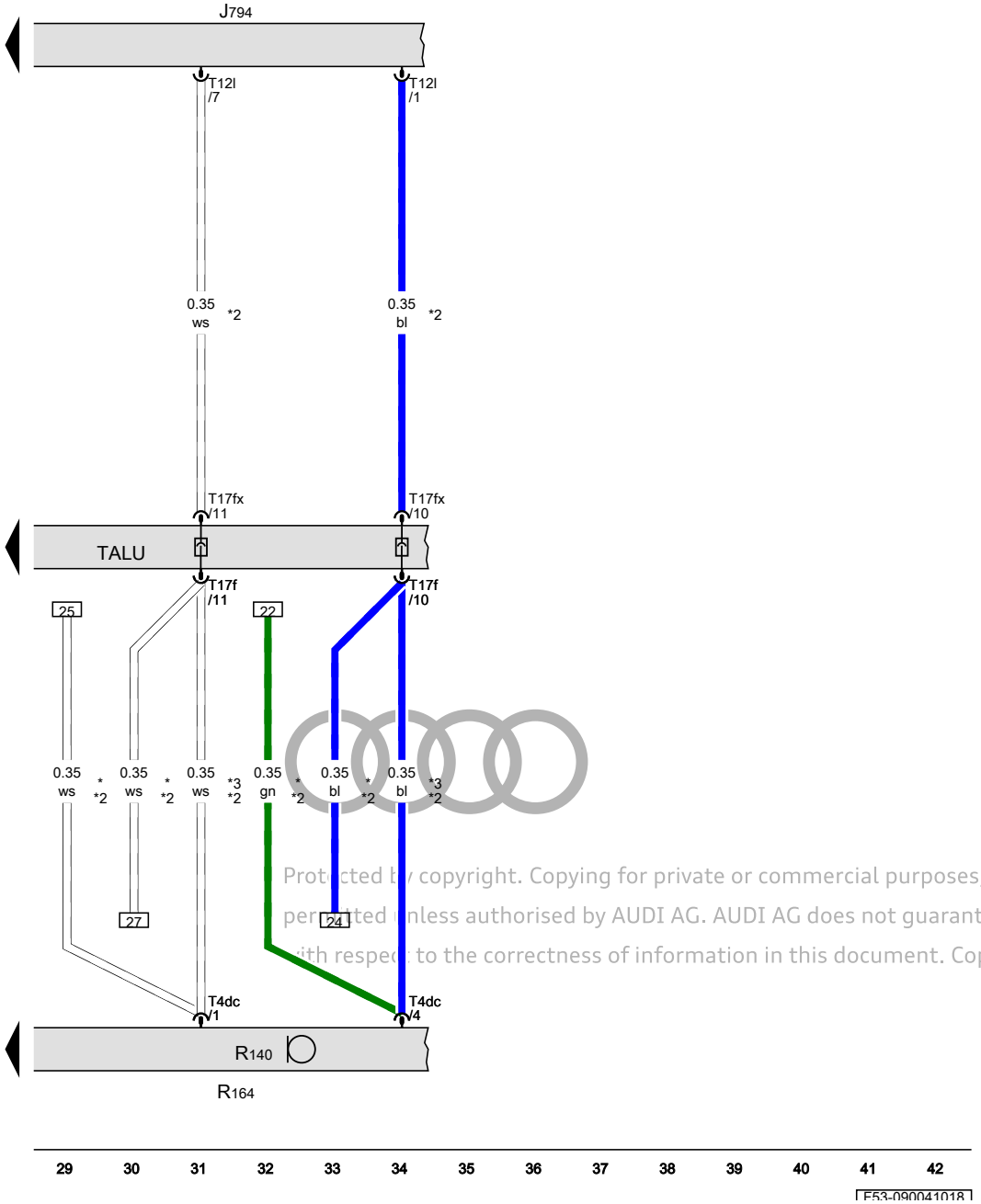

Control unit 1 for information electronics, Front left microphone, Microphone unit in front roof module

J794	Control unit 1 for information electronics
R140	Front left microphone
R164	Microphone unit in front roof module
T4dc	4-pin connector, grey
T12l	12-pin connector, blue
T17f	17-pin connector, red
T17fx	17-pin connector, red
TALU	Coupling point on left A-pillar, bottom
*	For right-hand drive models
*2	For models with no emergency call module
*3	For left-hand drive models

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ro	=	red
rt	=	red
br	=	brown
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3.0l petrol engine , CWGD

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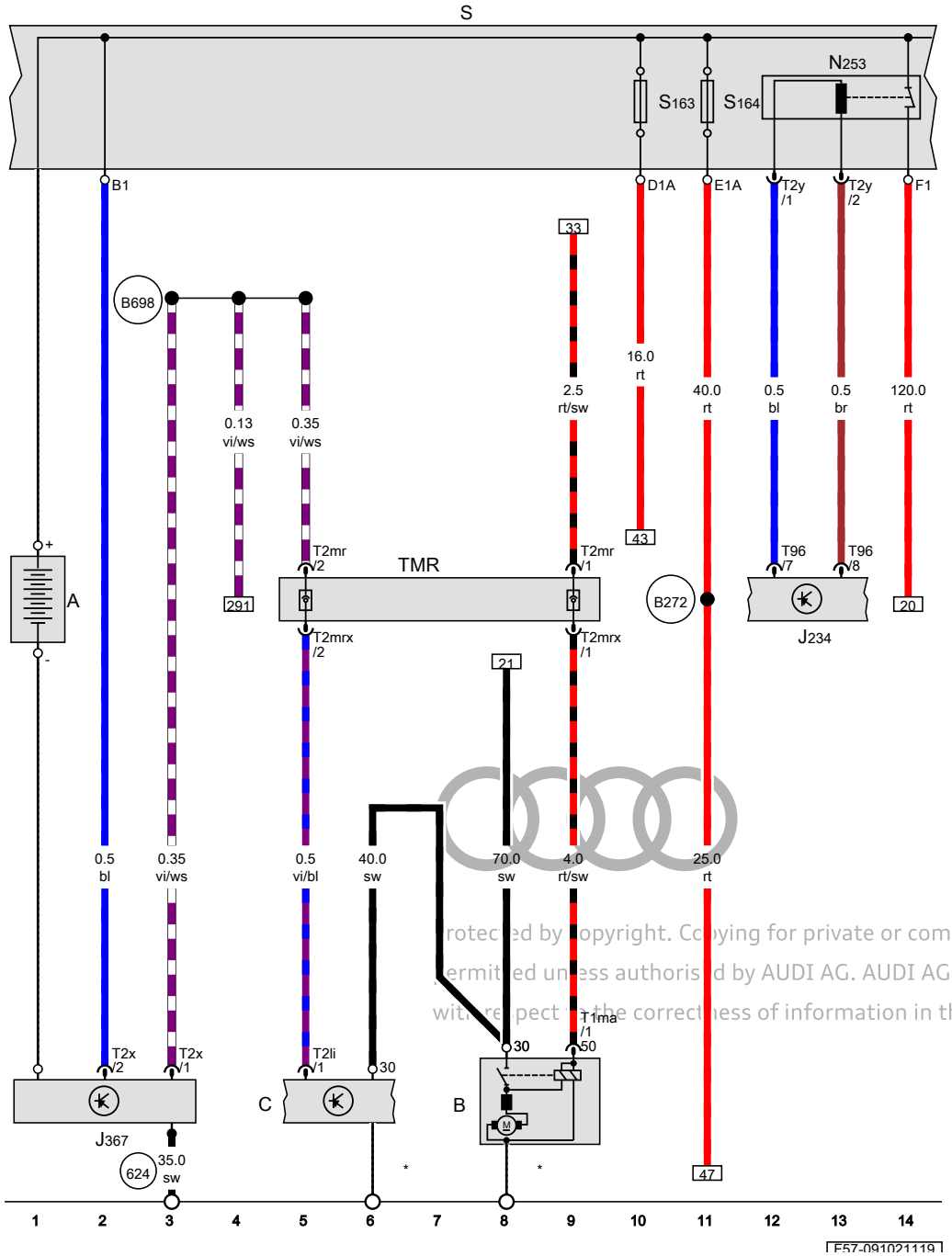

Battery, Starter, Alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C	Alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	Earth supply via housing

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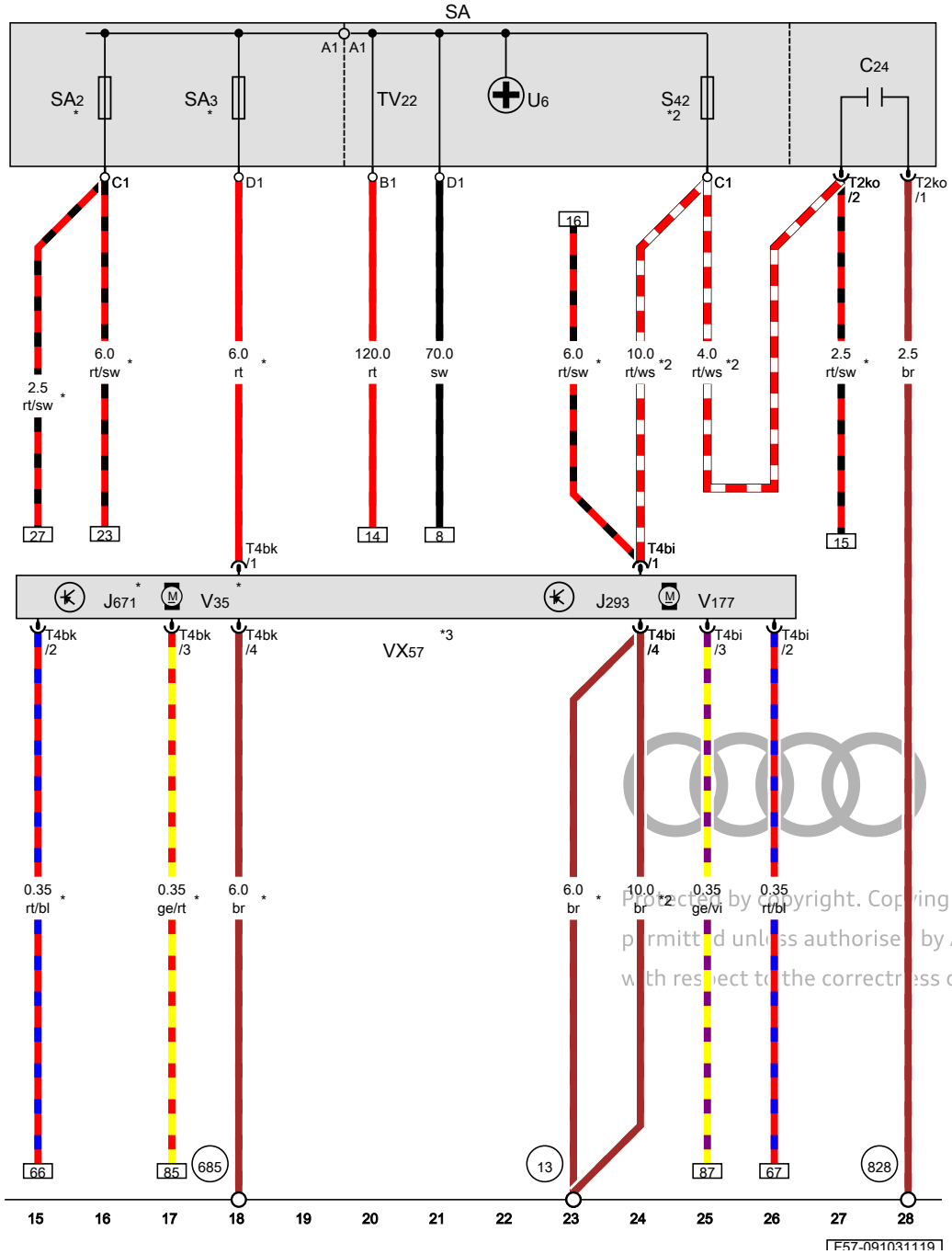

Suppression filter, Fuse holder A, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
J671	Radiator fan control unit 2
S42	Radiator fan single fuse
SA	Fuse holder A, front right in engine compartment
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
T2ko	2-pin connector, black
T4bi	4-pin connector, black
T4bk	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V35	Right radiator fan
VX57	Radiator fan
V177	Radiator fan 2
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	For models with towing bracket
*2	For models with no towing bracket
*3	Pre-wired component

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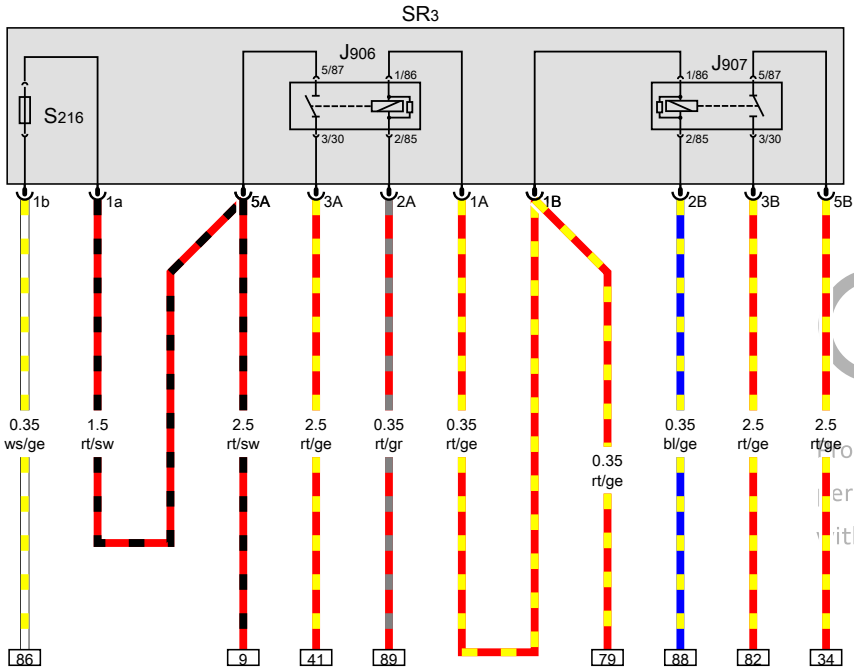

Starter relay 1, Starter relay 2, Relay and fuse carrier 3, Fuse (50)

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S216	Fuse (50), central in plenum chamber

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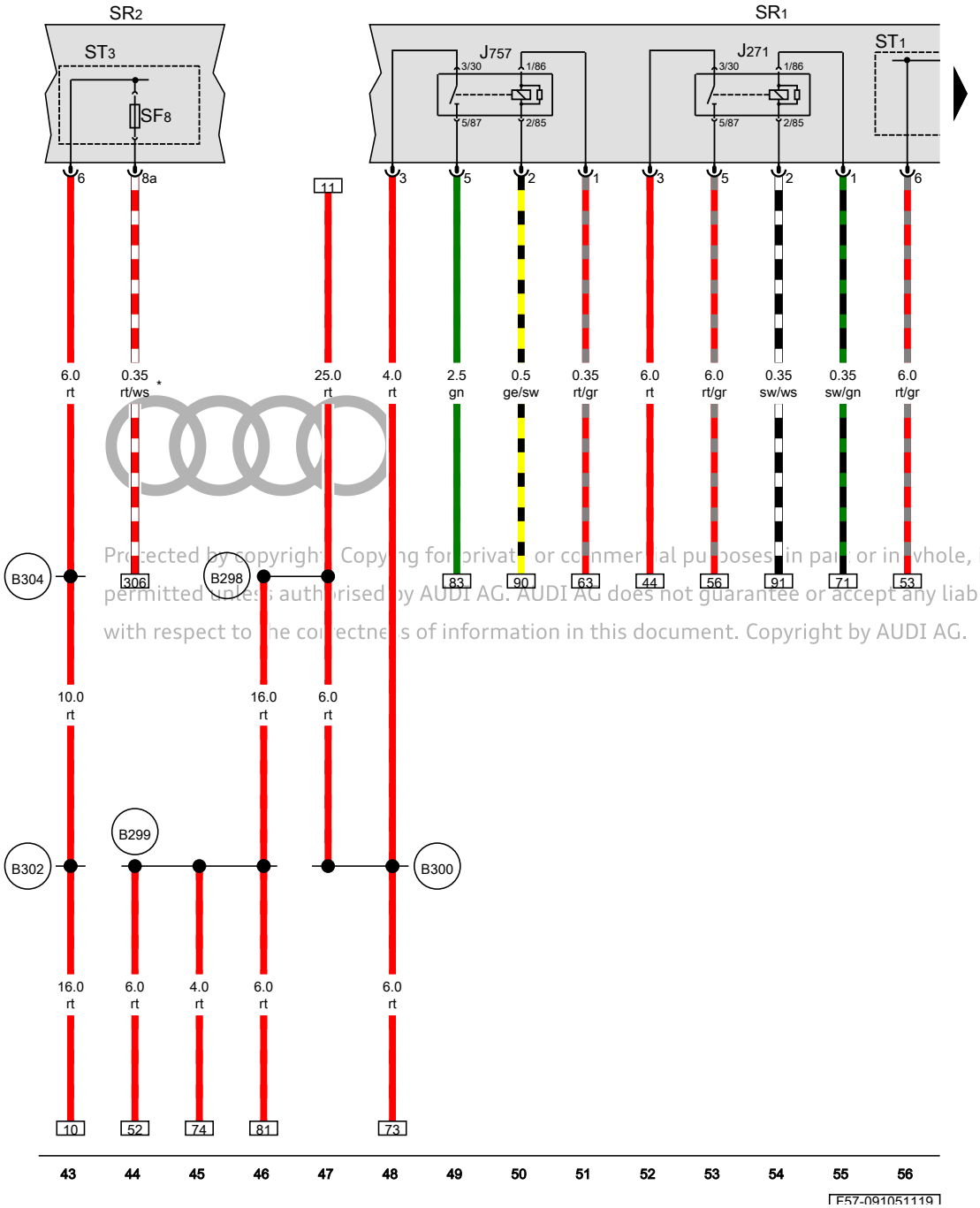

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Main relay, Engine component current supply relay, Relay and fuse carrier 1, Relay and fuse carrier 2

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST1	Fuse carrier 1, brown
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
ST3	Fuse carrier 3, brown
SF8	Fuse 8 in fuse holder F
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	For American markets

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sw	=	black
ro	=	red
rt	=	red
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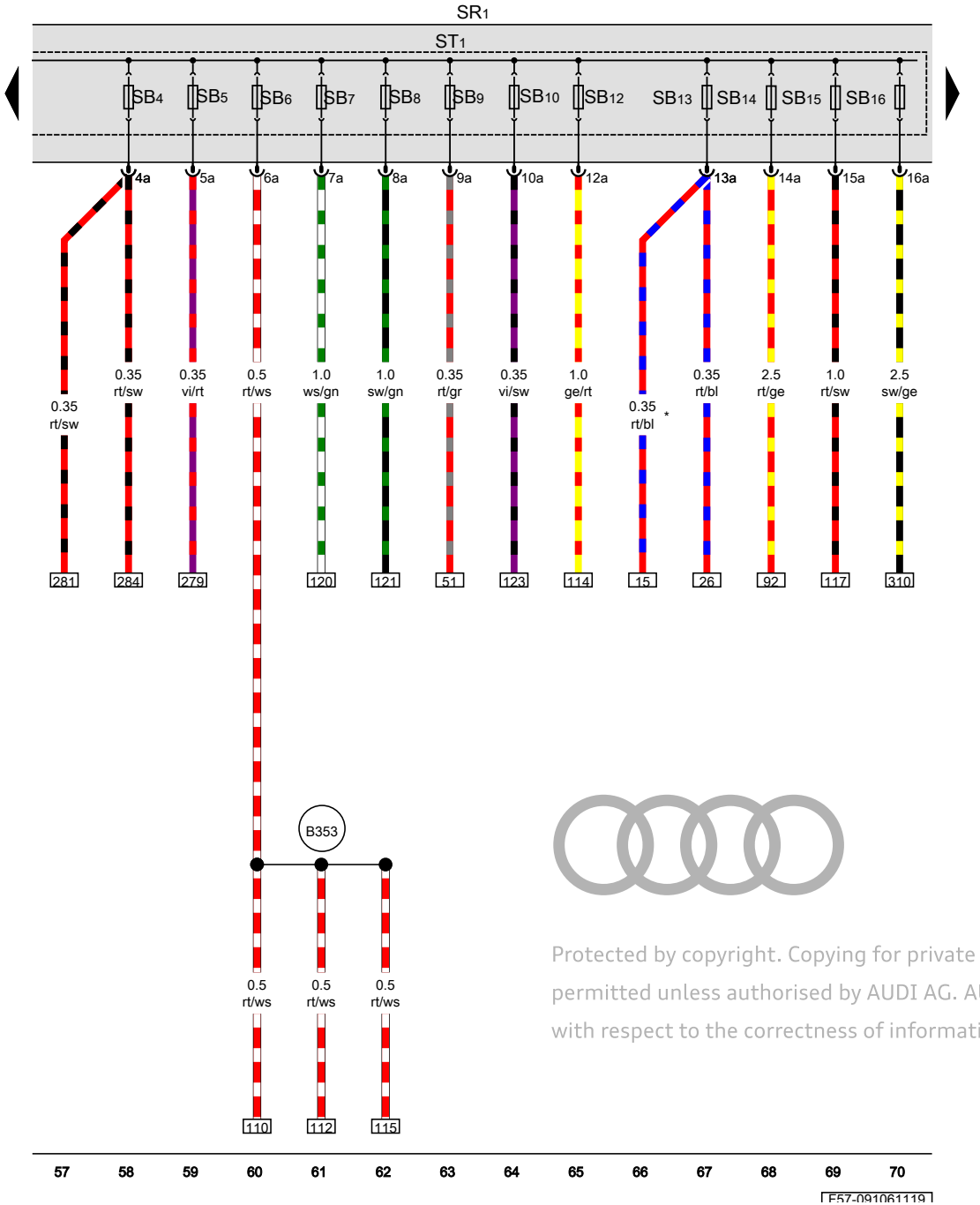

Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
B353	Positive connection 4 (87a) in main wiring harness
*	For models with towing bracket

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
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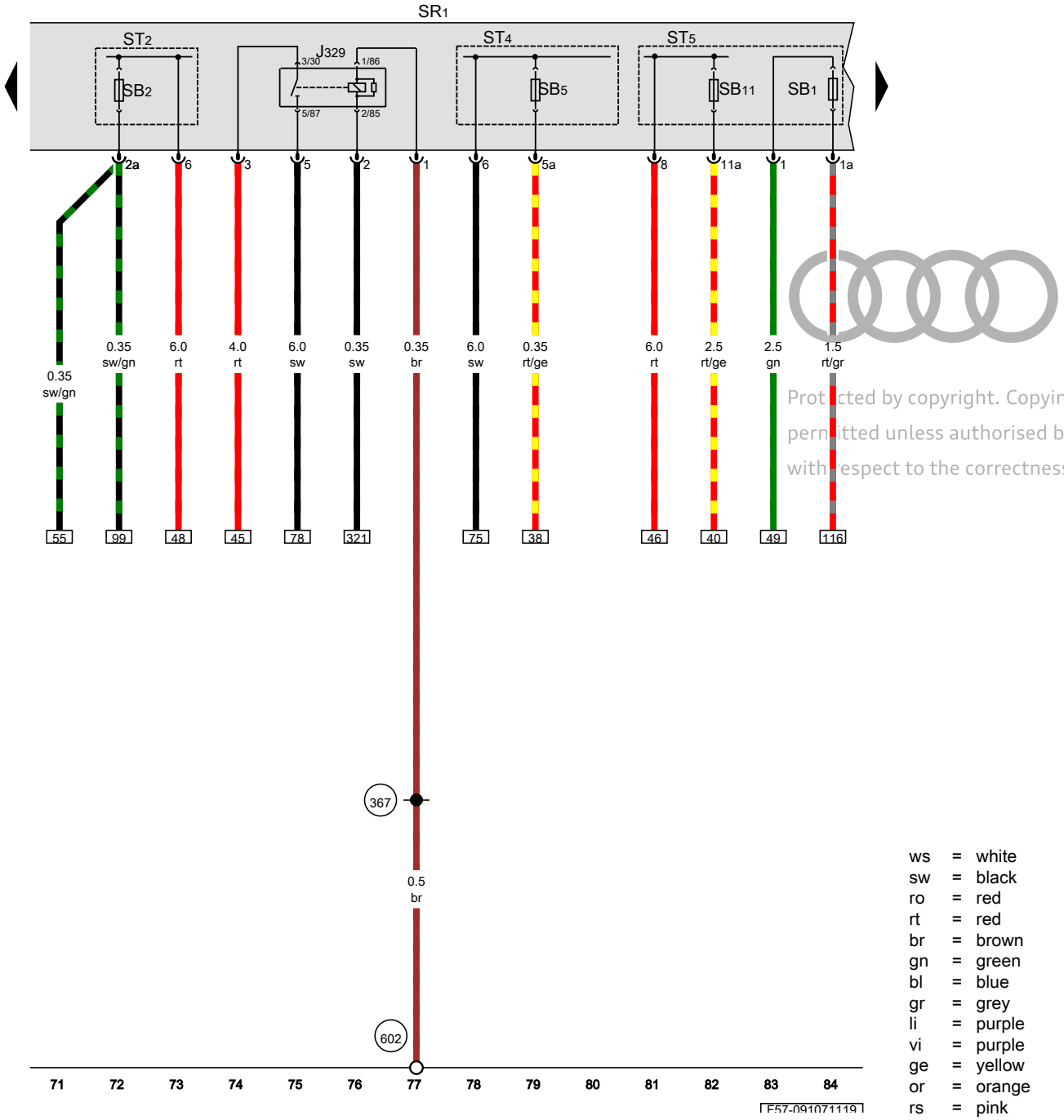

Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
ST4	Fuse carrier 4, black
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5, red
SB11	Fuse 11 on fuse holder B
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell

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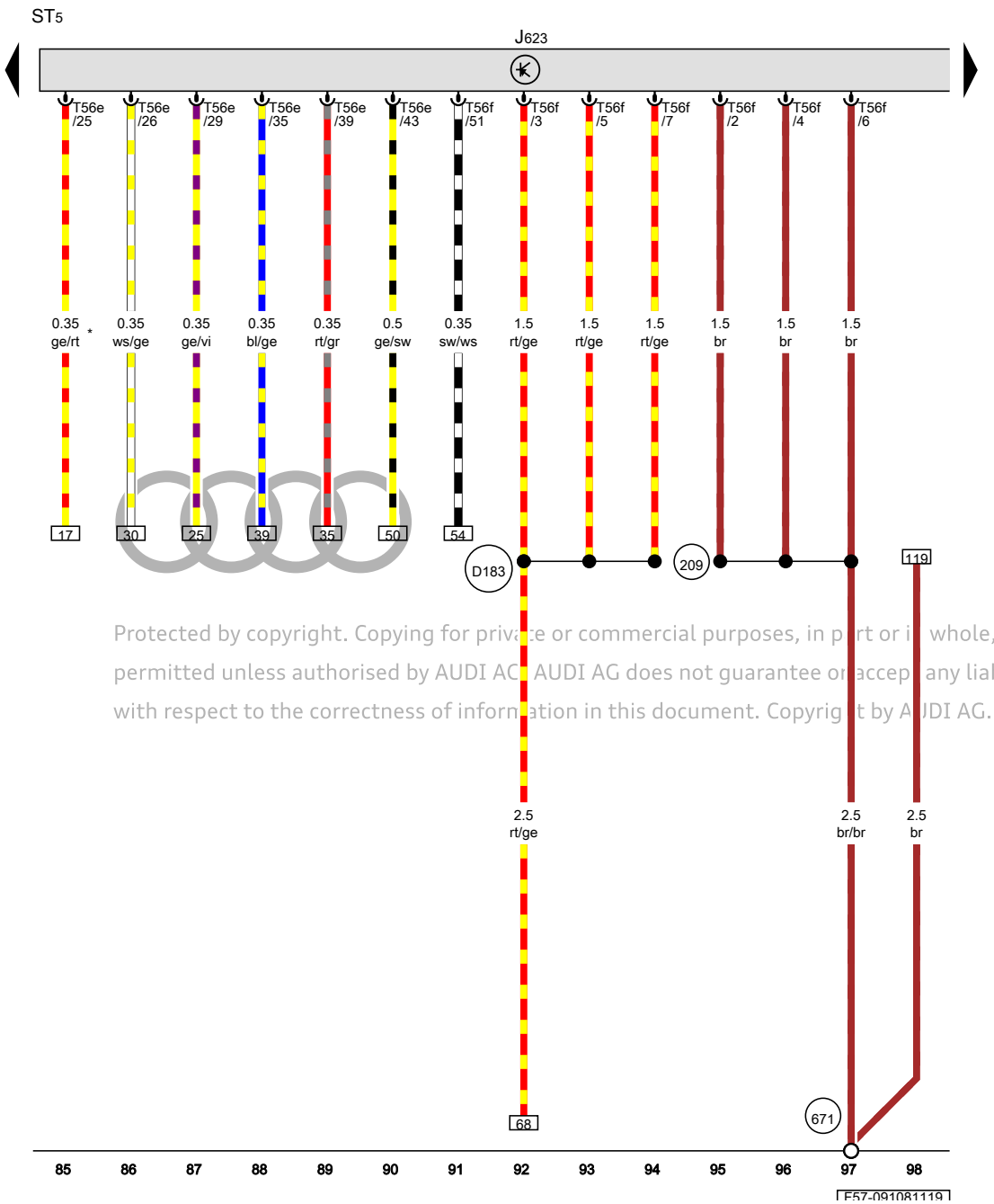

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Engine/motor control unit

J623	Engine/motor control unit, front left in engine compartment
ST5	Fuse carrier 5, red
T56e	56-pin connector, black, green
T56f	56-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
*	For models with towing bracket

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gn	=	green
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Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T6k	6-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T56d	56-pin connector, black, purple
T56e	56-pin connector, black, green
T56f	56-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TML	Coupling point in engine compartment, left
*	For models with cruise control system (CCS)

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sw	=	black
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rt	=	red
br	=	brown
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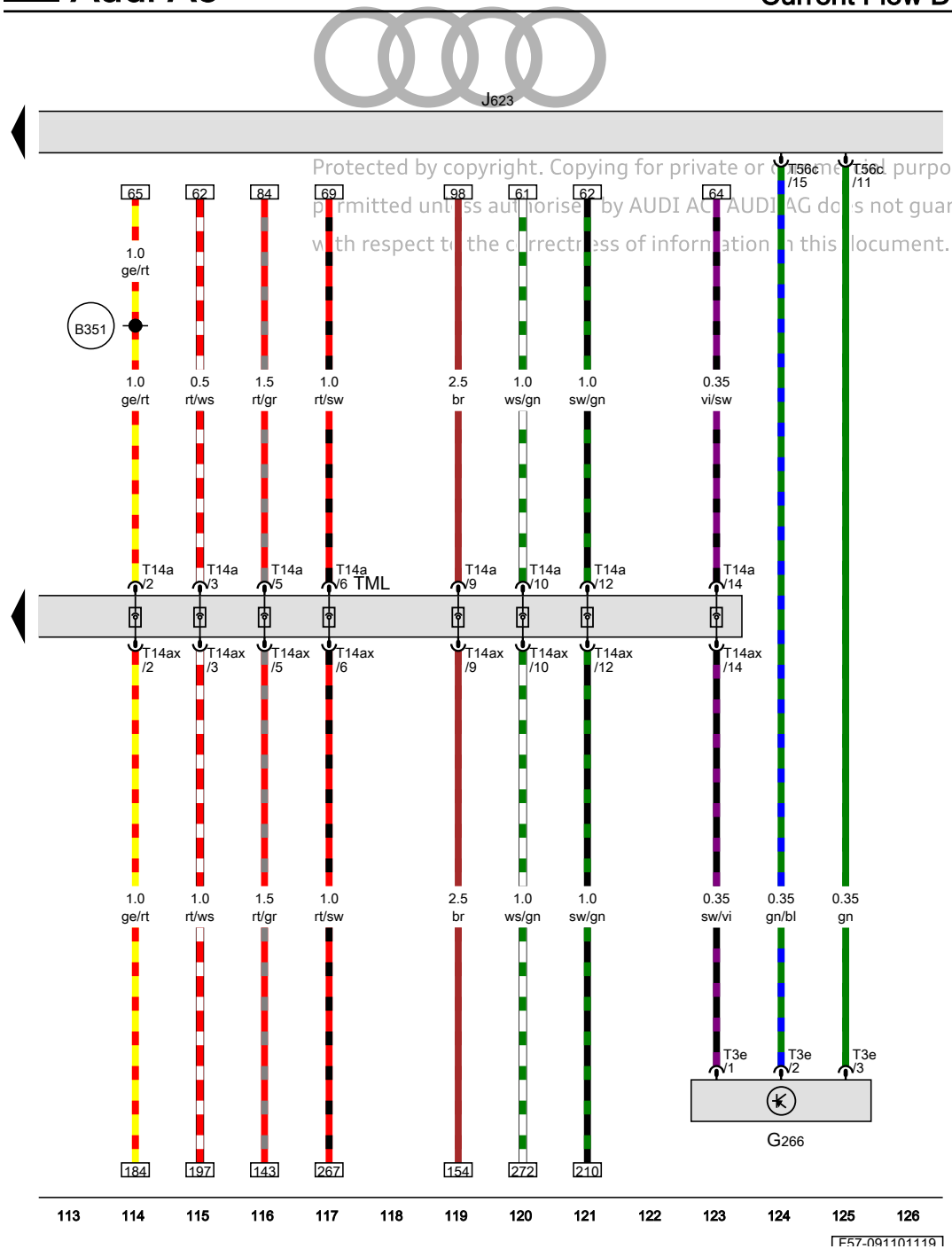

Oil level and oil temperature sender, Engine/motor control unit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T56c	56-pin connector, black, blue
TML	Coupling point in engine compartment, left
B351	Positive connection 2 (87a) in main wiring harness

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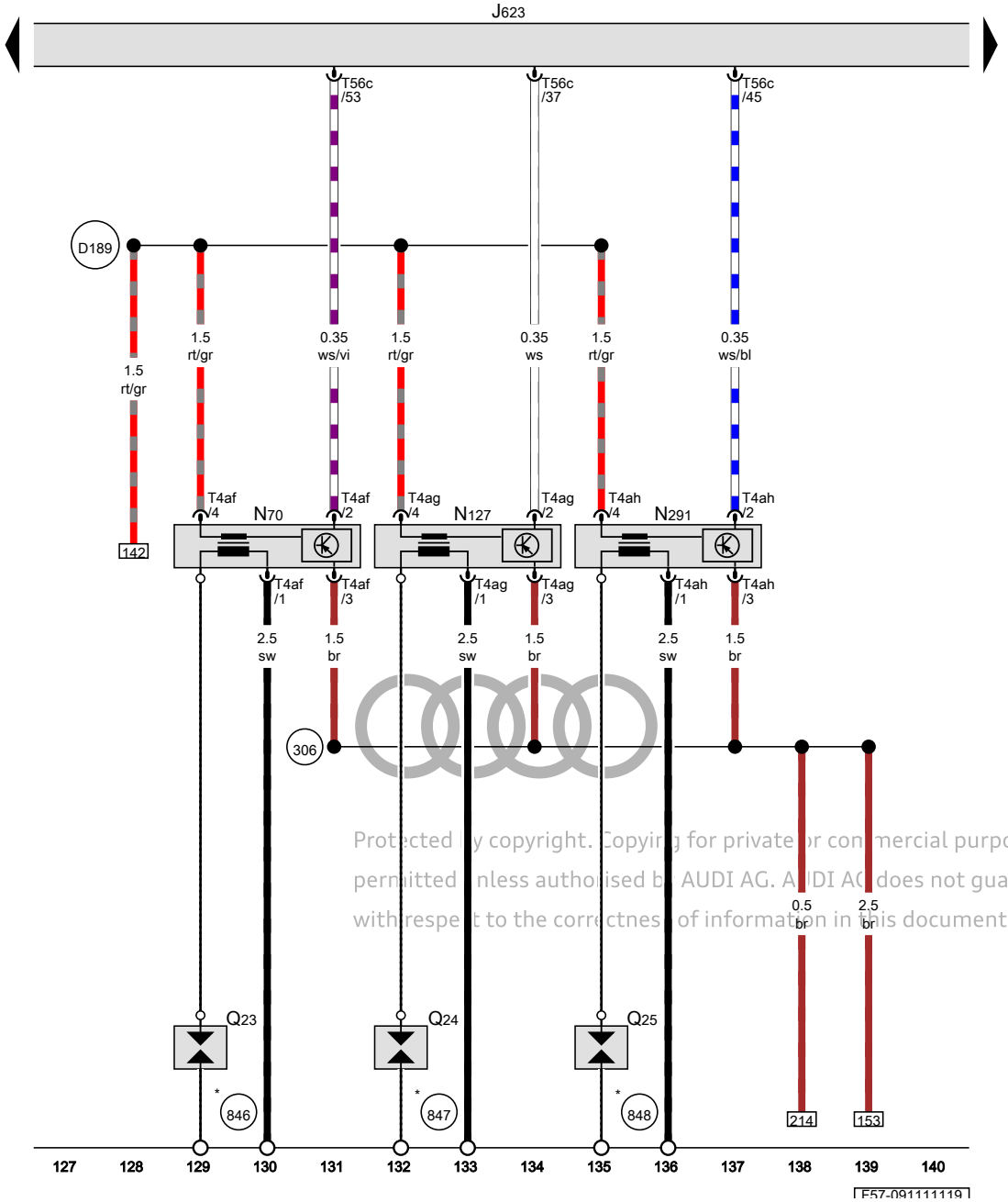

Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Spark plug 1, Spark plug 2, Spark plug 3

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T56c	56-pin connector, black, blue
306	Earth connection (ignition coils), in engine prewiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
D189	Connection (87a) in engine prewiring harness
*	Earth supply via housing

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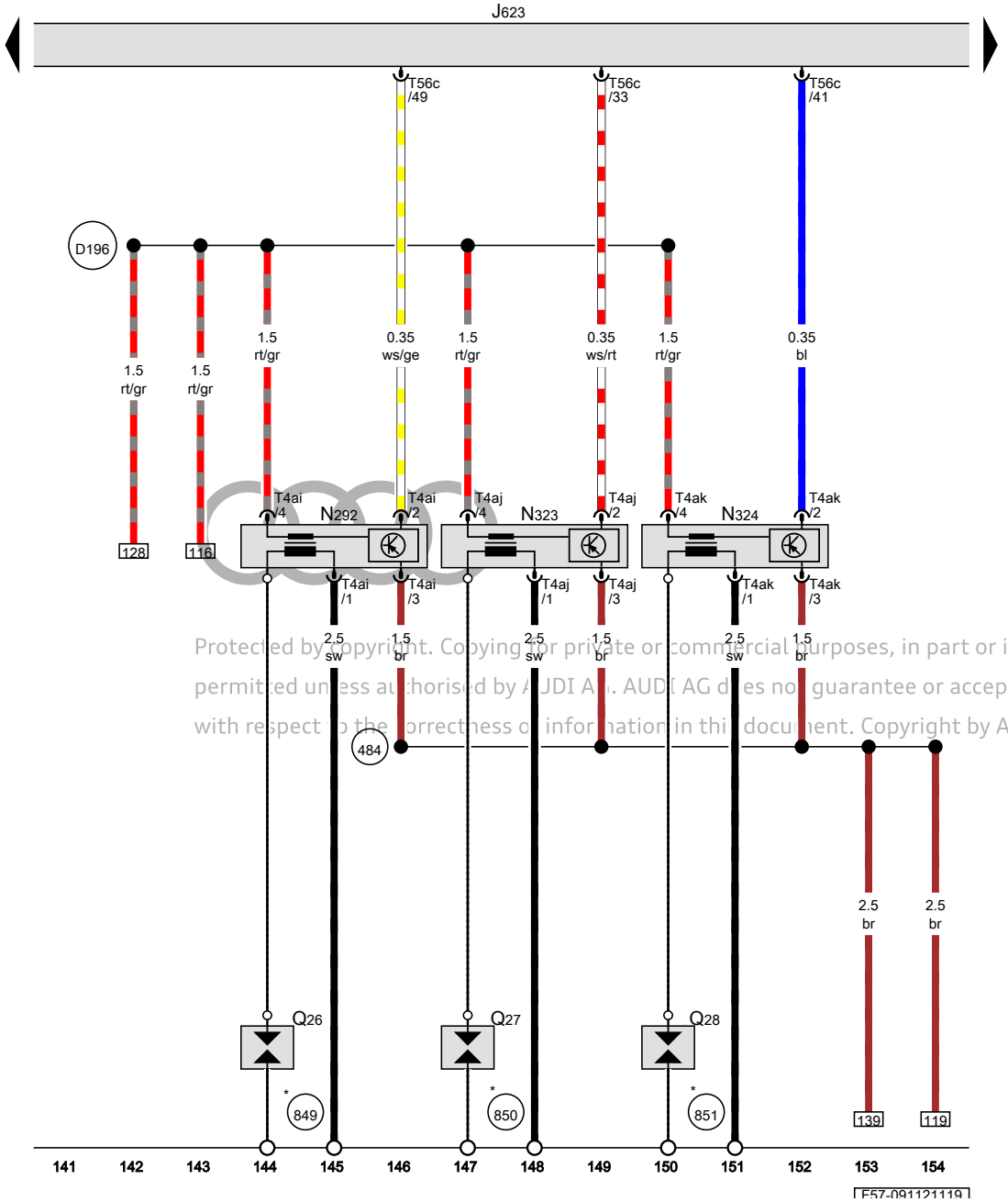

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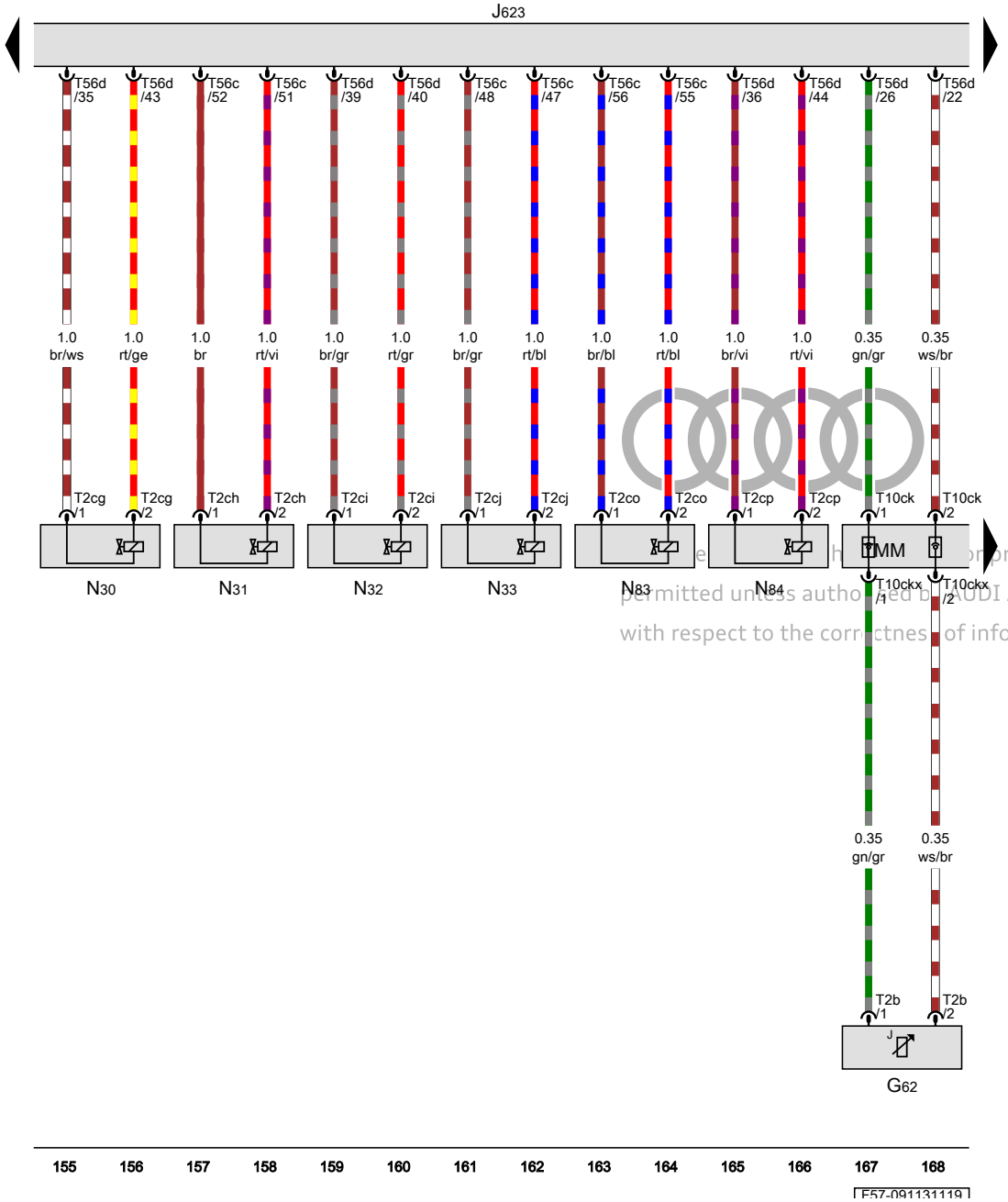
Engine/motor control unit, Ignition coil 4 with output stage, Ignition coil 5 with output stage, Ignition coil 6 with output stage, Spark plug 4, Spark plug 5, Spark plug 6

J623	Engine/motor control unit, front left in engine compartment
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
Q26	Spark plug 4
Q27	Spark plug 5
Q28	Spark plug 6
T4ai	4-pin connector, black
T4aj	4-pin connector, black
T4ak	4-pin connector, black
T56c	56-pin connector, black, blue
484	Earth connection 2 (ignition coils), in engine prewiring harness
849	Earth point on ignition coil 4
850	Earth point on ignition coil 5
851	Earth point on ignition coil 6
D196	Connection 2 (87a) in engine prewiring harness
*	Earth supply via housing



Coolant temperature sender, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Injector, cylinder 6

G62	Coolant temperature sender
J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
T2b	2-pin connector, black
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T2co	2-pin connector, black
T2cp	2-pin connector, black
T10ck	10-pin connector, black
T10ckx	10-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
TMM	Coupling point in engine compartment, centre

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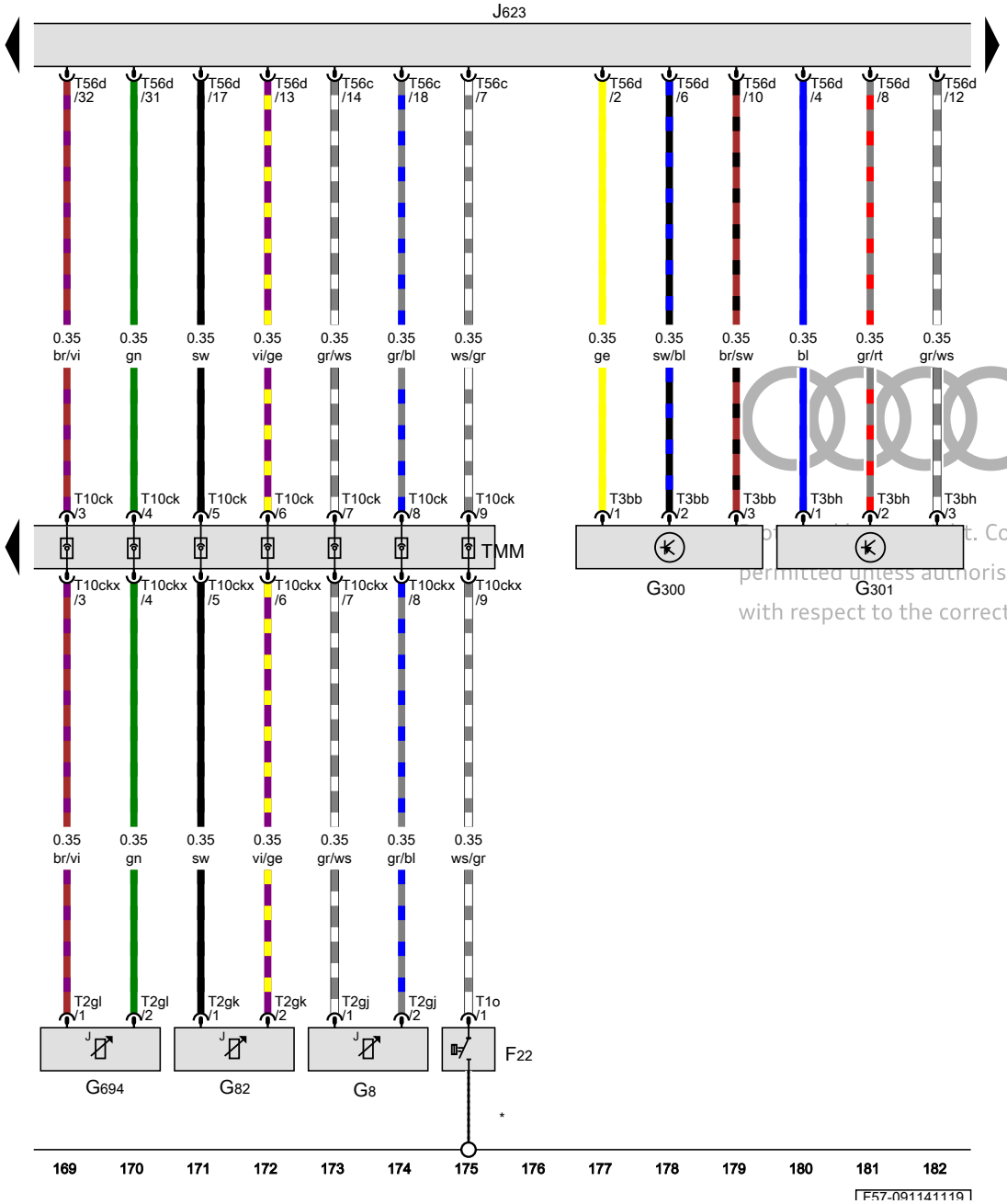

Oil pressure switch, Oil temperature sender, Engine outlet coolant temperature sender, Hall sender 3, Hall sender 4, Temperature sender for engine temperature regulation, Engine/motor control unit

F22	Oil pressure switch
G8	Oil temperature sender
G82	Engine outlet coolant temperature sender
G300	Hall sender 3
G301	Hall sender 4
G694	Temperature sender for engine temperature regulation
J623	Engine/motor control unit, front left in engine compartment
T1o	1-pin connector, black
T2gj	2-pin connector, black
T2gk	2-pin connector, black
T2gl	2-pin connector, black
T3bb	3-pin connector, black
T3bh	3-pin connector, black
T10ck	10-pin connector, black
T10ckx	10-pin connector, black
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
TMM	Coupling point in engine compartment, centre
*	Earth supply via housing

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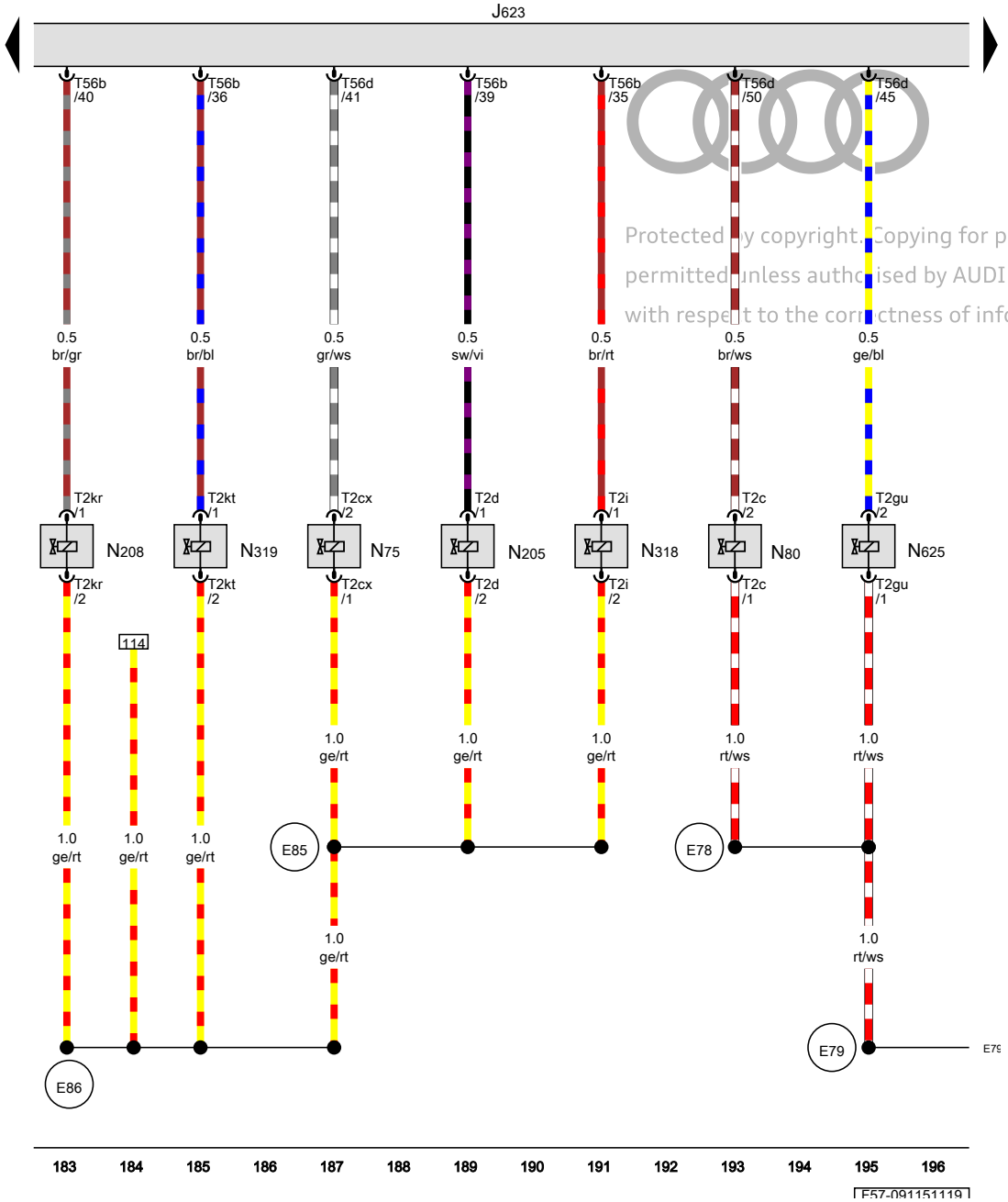

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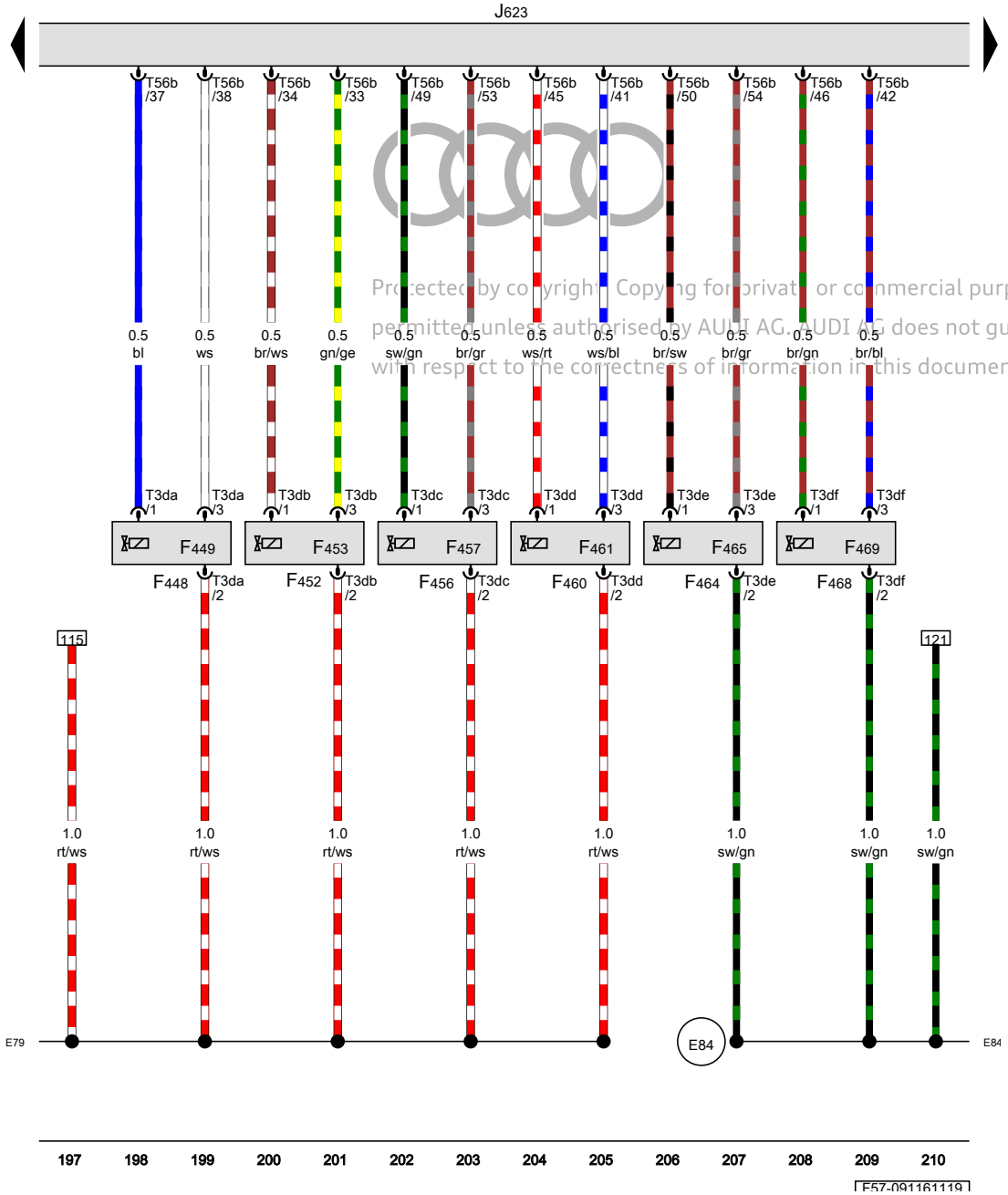
Engine/motor control unit, Charge pressure control solenoid valve, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Camshaft control valve 2, Exhaust camshaft control valve 1, Exhaust camshaft control valve 2, Overrun air recirculation valve for bank 1

J623	Engine/motor control unit, front left in engine compartment
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N208	Camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
N625	Overrun air recirculation valve for bank 1
T2c	2-pin connector, black
T2cx	2-pin connector, black
T2d	2-pin connector, black
T2gu	2-pin connector, black
T2i	2-pin connector, black
T2kr	2-pin connector, black
T2kt	2-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple
E78	Connection 2 (87a) in engine wiring harness
E79	Connection 3 (87a) in engine wiring harness
E85	Connection 9 (87a) in engine wiring harness
E86	Connection 10 (87a) in engine wiring harness



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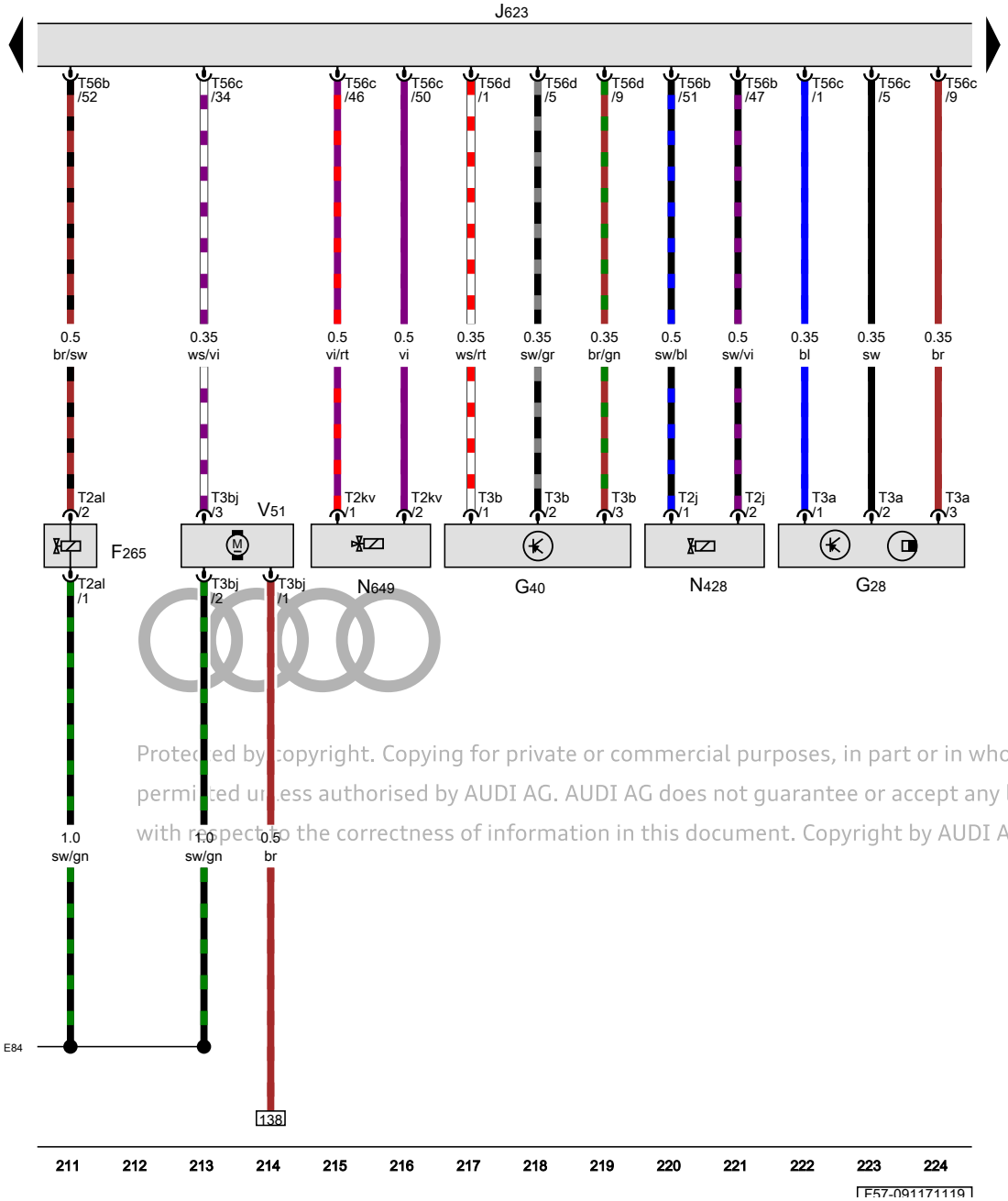
Inlet cam actuator 1 for cylinder 1, Inlet cam actuator 1 for cylinder 2, Inlet cam actuator 1 for cylinder 3, Inlet cam actuator 1 for cylinder 4, Inlet cam actuator 1 for cylinder 5, Inlet cam actuator 1 for cylinder 6, Engine/motor control unit

F448	Inlet cam actuator 1 for cylinder 1
F449	Inlet cam actuator 2 for cylinder 1
F452	Inlet cam actuator 1 for cylinder 2
F453	Inlet cam actuator 2 for cylinder 2
F456	Inlet cam actuator 1 for cylinder 3
F457	Inlet cam actuator 2 for cylinder 3
F460	Inlet cam actuator 1 for cylinder 4
F461	Inlet cam actuator 2 for cylinder 4
F464	Inlet cam actuator 1 for cylinder 5
F465	Inlet cam actuator 2 for cylinder 5
F468	Inlet cam actuator 1 for cylinder 6
F469	Inlet cam actuator 2 for cylinder 6
J623	Engine/motor control unit, front left in engine compartment
T3da	3-pin connector, black
T3db	3-pin connector, black
T3dc	3-pin connector, black
T3dd	3-pin connector, black
T3de	3-pin connector, black
T3df	3-pin connector, black
T56b	56-pin connector, black, white
E79	Connection 3 (87a) in engine wiring harness
E84	Connection 8 (87a) in engine wiring harness



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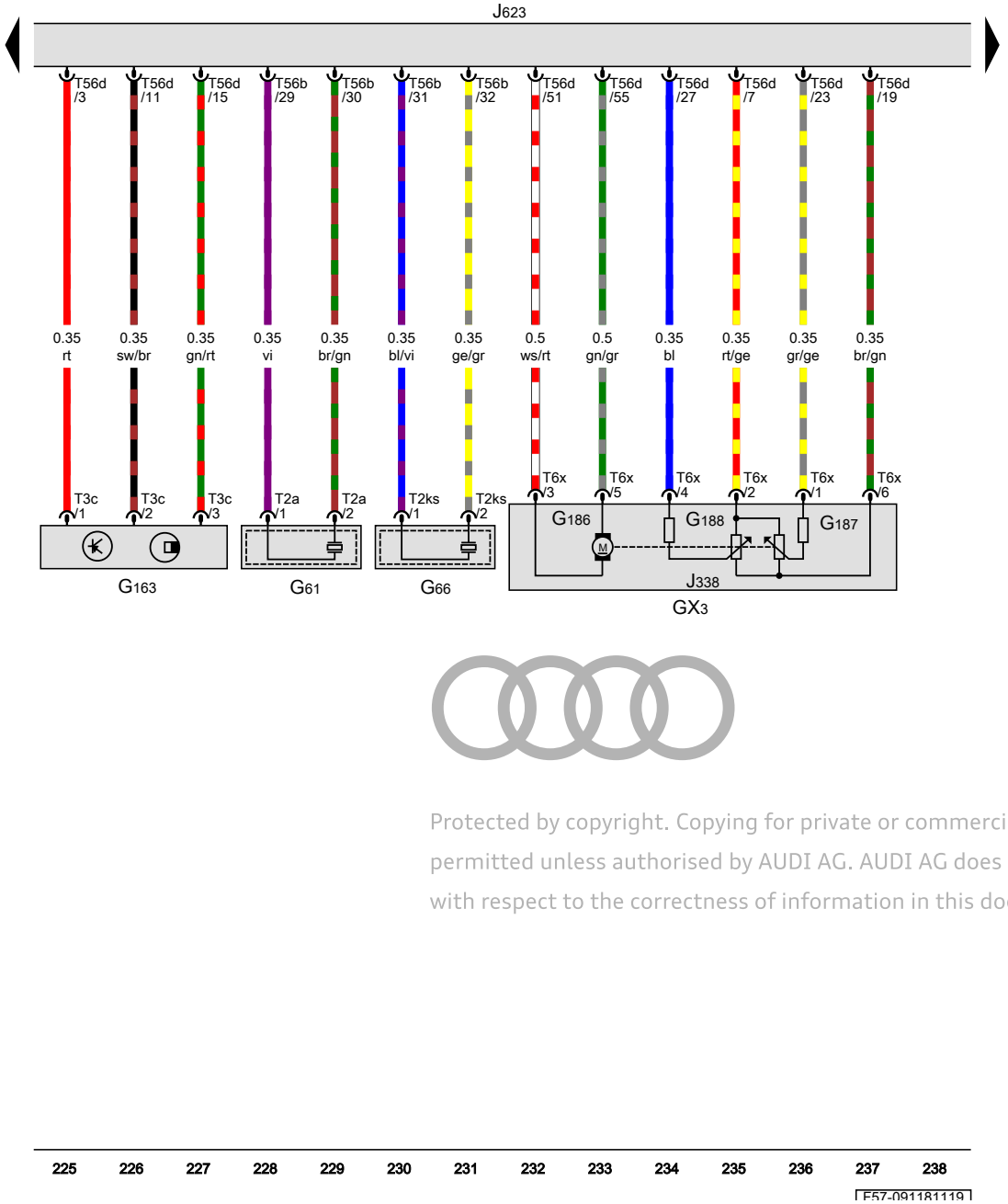
Map-controlled engine cooling system thermostat, Engine speed sender, Hall sender, Engine/motor control unit, Valve for oil pressure control, Switch valve for mechanical coolant pump, Continued coolant circulation pump

F265	Map-controlled engine cooling system thermostat
G28	Engine speed sender
G40	Hall sender
J623	Engine/motor control unit, front left in engine compartment
N428	Valve for oil pressure control
N649	Switch valve for mechanical coolant pump
T2al	2-pin connector, black
T2j	2-pin connector, black
T2kv	2-pin connector, black
T3a	3-pin connector, black
T3b	3-pin connector, black
T3bj	3-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
T56d	56-pin connector, black, purple
V51	Continued coolant circulation pump
E84	Connection 8 (87a) in engine wiring harness



Throttle valve module, Knock sensor 1, Knock sensor 2, Hall sender 2, Engine/motor control unit

GX3	Throttle valve module
G61	Knock sensor 1
G66	Knock sensor 2
G163	Hall sender 2
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T2a	2-pin connector, black
T2ks	2-pin connector, black
T3c	3-pin connector, black
T6x	6-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple

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rt	=	red
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gn	=	green
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vi	=	purple
ge	=	yellow
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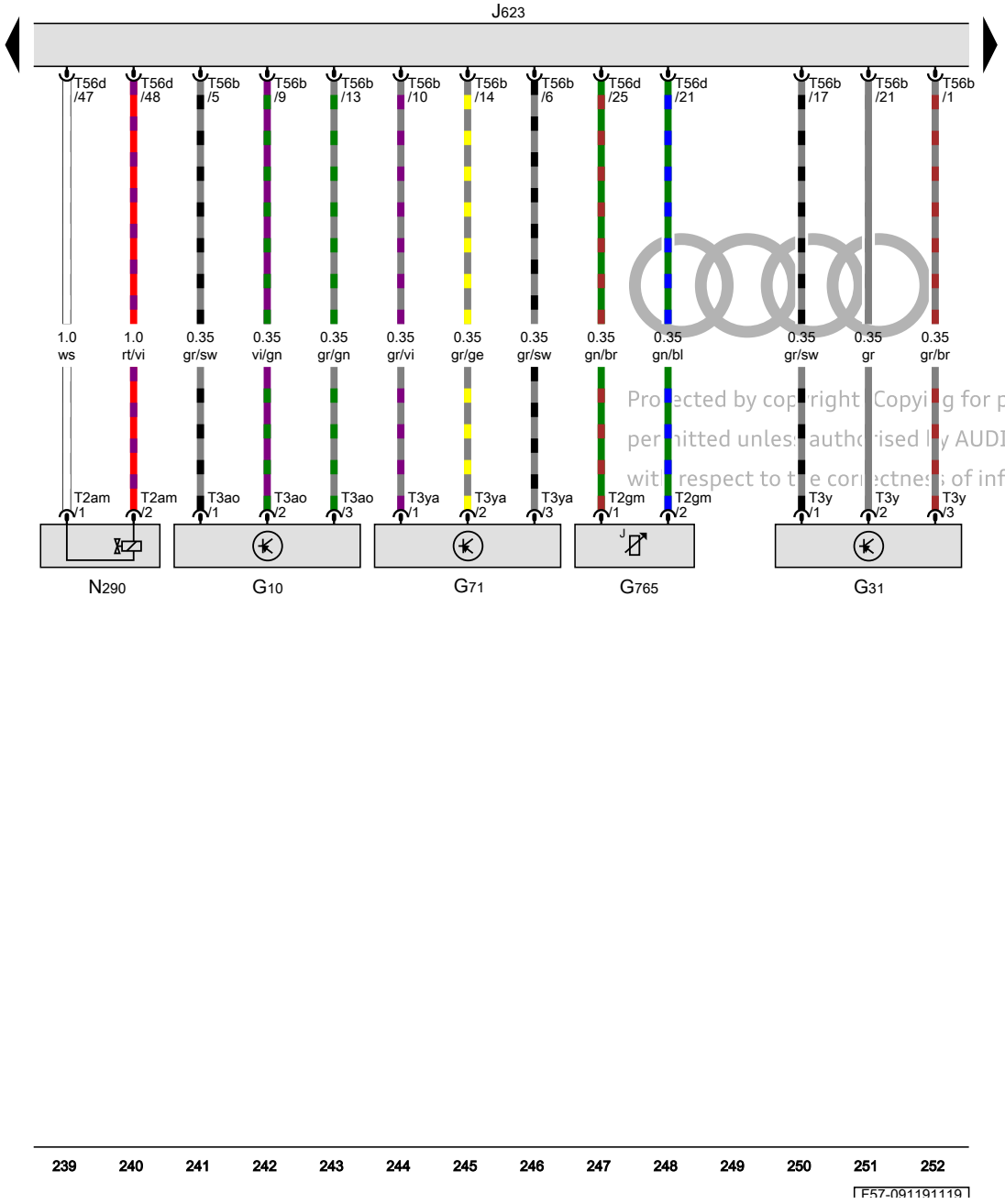
rs	=	pink



Oil pressure sender, Charge pressure sender, Intake manifold pressure sender, Temperature sender for engine cover panel, Engine/motor control unit, Fuel metering valve

G10	Oil pressure sender
G31	Charge pressure sender
G71	Intake manifold pressure sender
G765	Temperature sender for engine cover panel
J623	Engine/motor control unit, front left in engine compartment
N290	Fuel metering valve
T2am	2-pin connector, black
T2gm	2-pin connector, black
T3ao	3-pin connector, black
T3y	3-pin connector, black
T3ya	3-pin connector, black
T56b	56-pin connector, black, white
T56d	56-pin connector, black, purple

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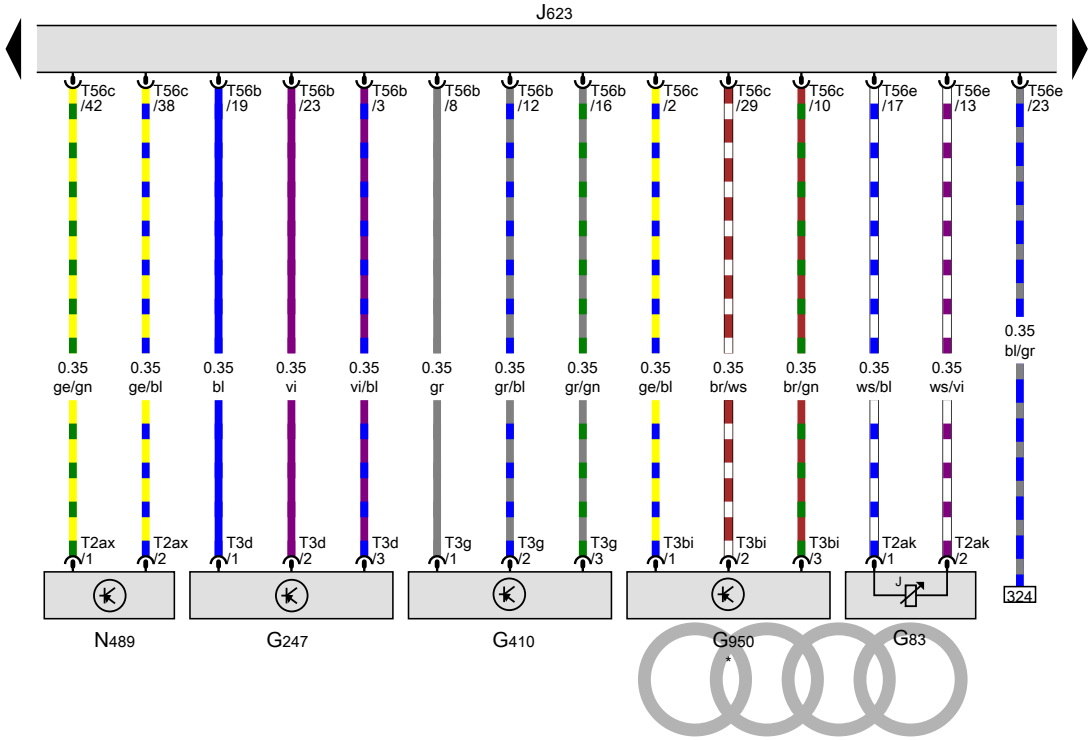

Radiator outlet coolant temperature sender, Fuel pressure sender, Fuel pressure sender for low pressure, Tank breather pressure sensor 1, Engine/motor control unit, Coolant valve for cylinder head

G83	Radiator outlet coolant temperature sender
G247	Fuel pressure sender
G410	Fuel pressure sender for low pressure
G950	Tank breather pressure sensor 1
J623	Engine/motor control unit, front left in engine compartment
N489	Coolant valve for cylinder head
T2ak	2-pin connector, black
T2ax	2-pin connector, black
T3bi	3-pin connector, black
T3d	3-pin connector, black
T3g	3-pin connector, black
T56b	56-pin connector, black, white
T56c	56-pin connector, black, blue
T56e	56-pin connector, black, green
*	For American markets

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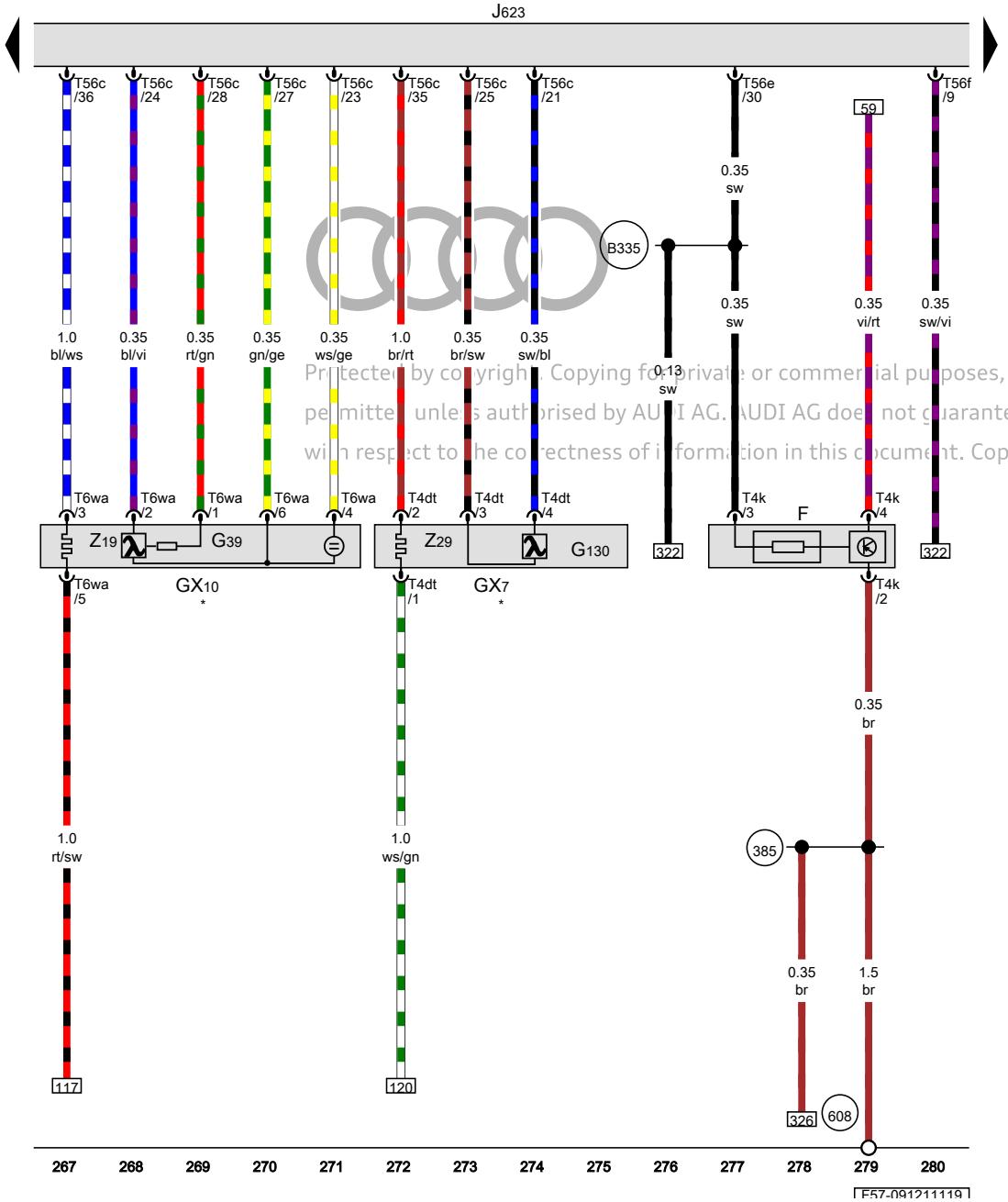

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Brake light switch, Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Lambda probe, Lambda probe after catalytic converter, Engine/motor control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

F	Brake light switch, on brake servo
GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine/motor control unit, front left in engine compartment
T4dt	4-pin connector, black
T4k	4-pin connector, black
T6wa	6-pin connector, black
T56c	56-pin connector, black, blue
T56e	56-pin connector, black, green
T56f	56-pin connector, black
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
*	Pre-wired component

ws	=	white
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br	=	brown
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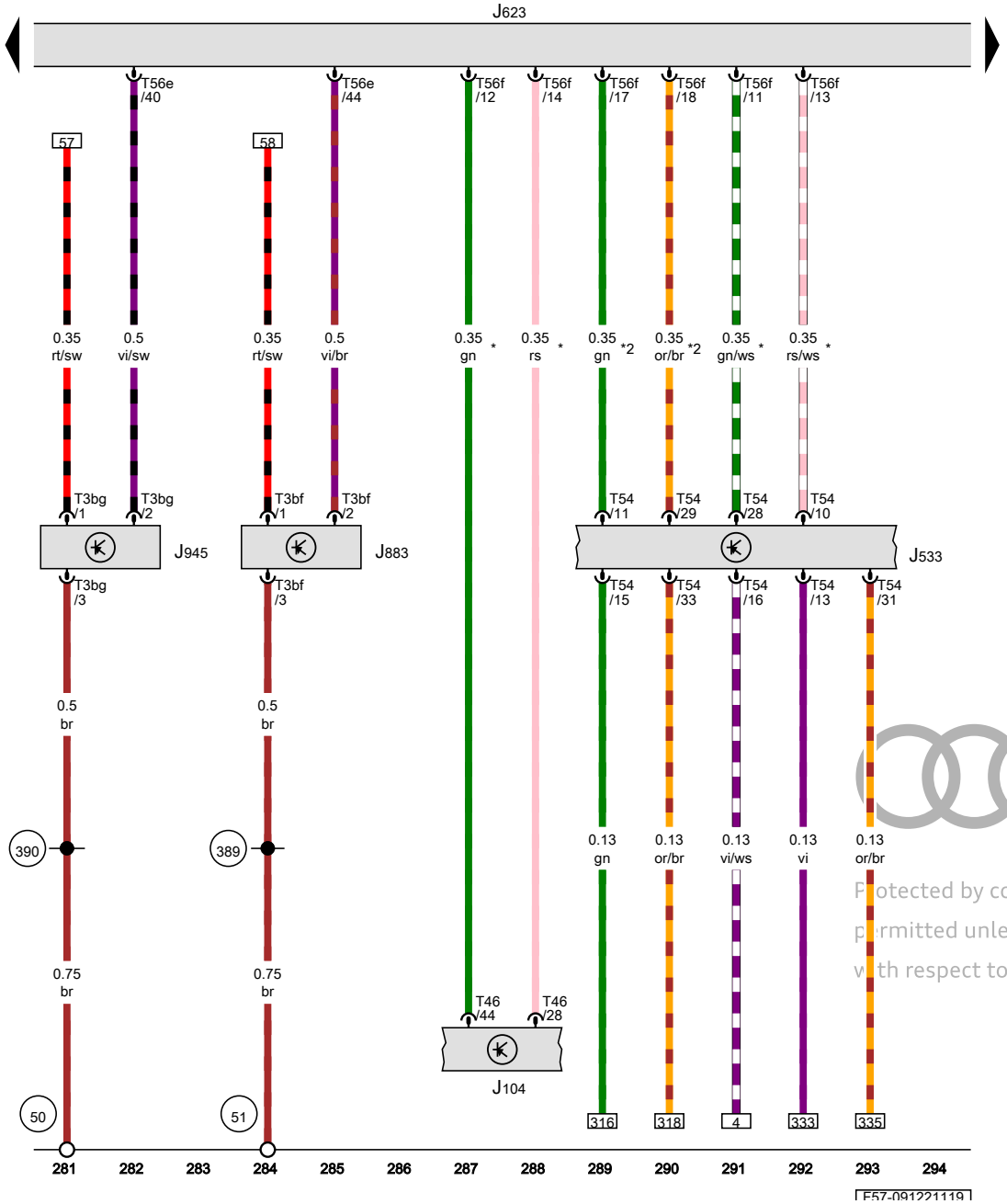

Data bus diagnostic interface, Engine/motor control unit, Exhaust flap control unit, Exhaust flap control unit 2

J104	ABS control unit
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
J883	Exhaust flap control unit
J945	Exhaust flap control unit 2
T3bf	3-pin connector, black
T3bg	3-pin connector, black
T46	46-pin connector, black
T54	54-pin connector, black
T56e	56-pin connector, black, green
T56f	56-pin connector, black
50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
389	Earth connection 24, in main wiring harness
390	Earth connection 25, in main wiring harness
*	Data bus wire (FlexRay bus)
*2	Data bus wire (CAN bus)

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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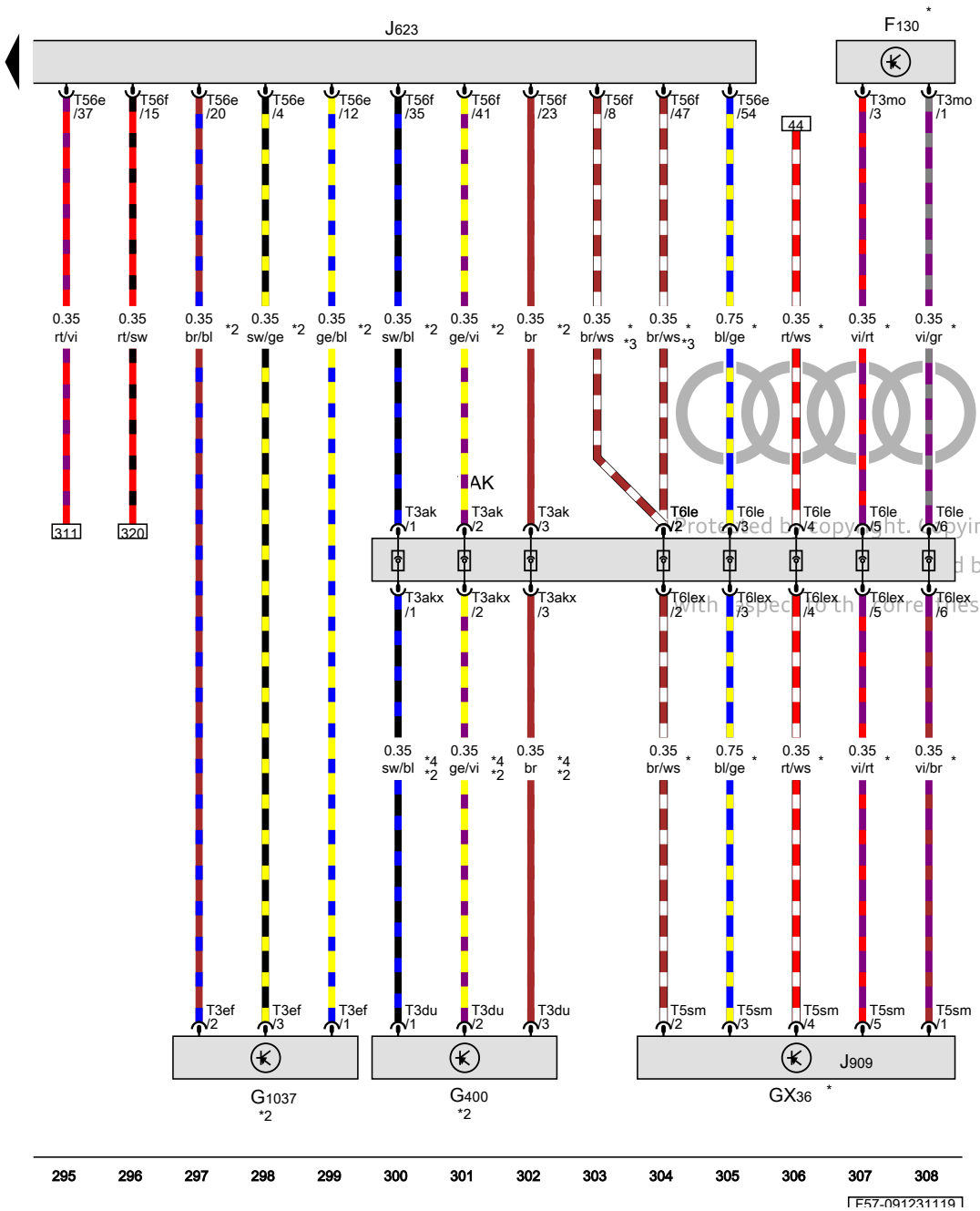

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Fuel pump run-on pressure switch, Fuel tank leak detection module, Tank pressure sensor, Pressure differential sender for particulate filter, Engine/motor control unit

F130	Fuel pump run-on pressure switch
GX36	Fuel tank leak detection module
G400	Tank pressure sensor
G1037	Pressure differential sender for particulate filter
J623	Engine/motor control unit, front left in engine compartment
J909	Control unit for fuel tank leak detection
T3ak	3-pin connector, black
T3akx	3-pin connector, black
T3du	3-pin connector, black
T3ef	3-pin connector, black
T3mo	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T56e	56-pin connector, black, green
T56f	56-pin connector, black
TAK	Coupling point for fuel tank
*	For American markets
*2	For models with equipment for China
*3	According to equipment
*4	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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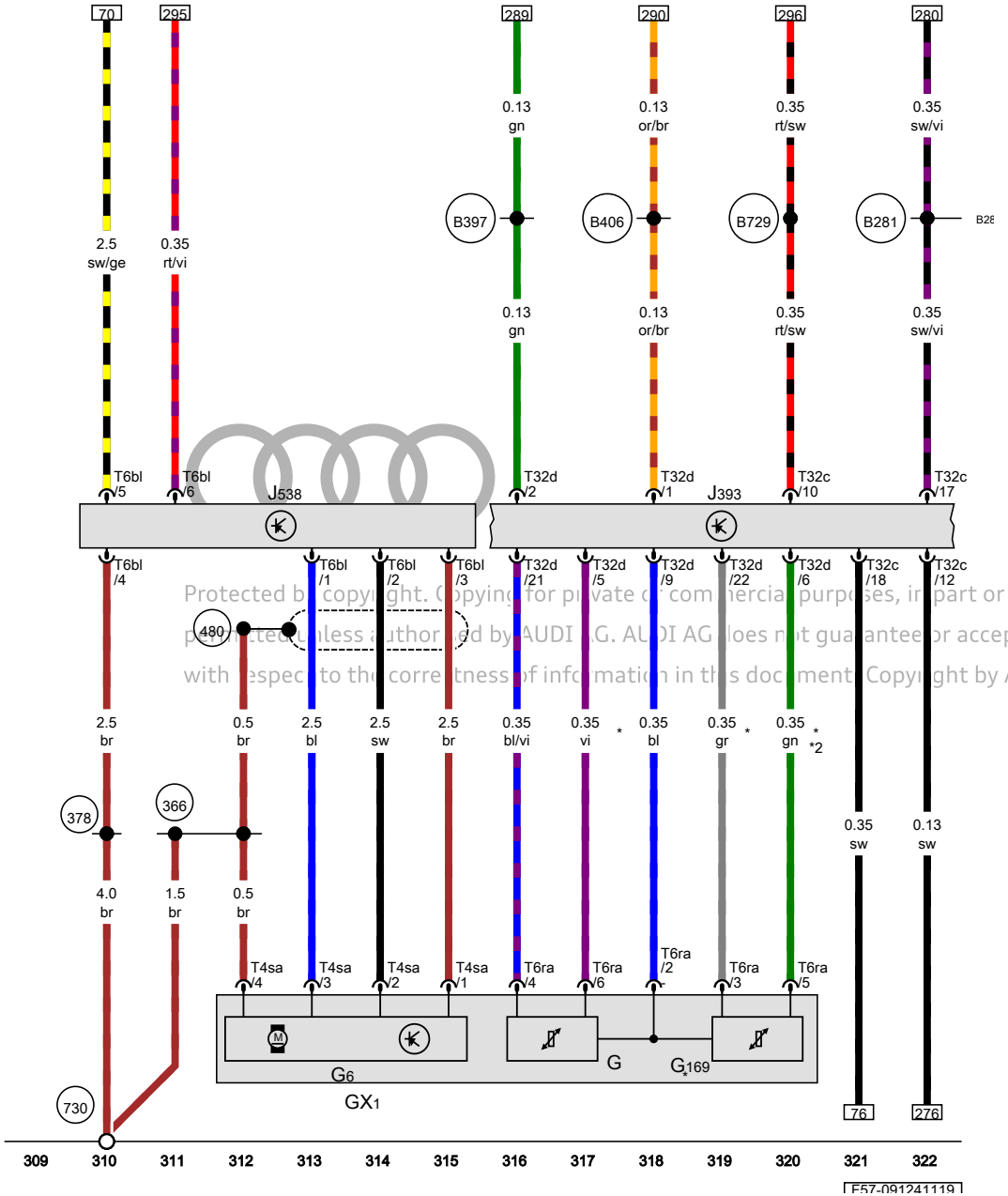

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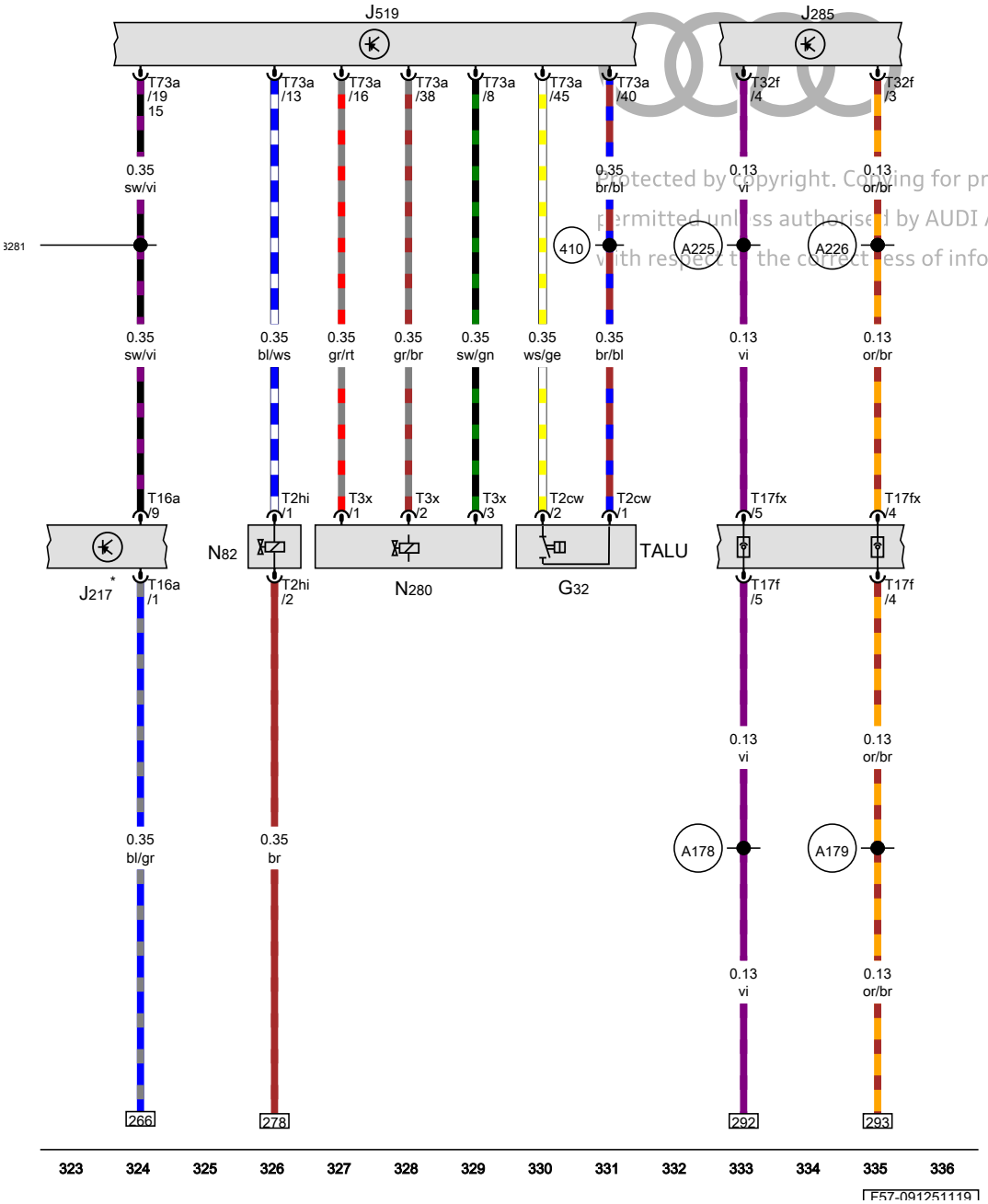
Fuel delivery unit, Convenience system central control unit, Fuel pump control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	According to equipment
*2	Up to July 2018



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Coolant shortage indicator sender, Automatic gearbox control unit, Control unit in dash panel insert, Onboard supply control unit, Coolant shut-off valve, Air conditioner compressor regulating valve

G32	Coolant shortage indicator sender
J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T3x	3-pin connector, black
T16a	16-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
T73a	73-pin connector, black
TALU	Coupling point on left A-pillar, bottom
410	Earth connection 1 (sender earth) in main wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for automatic gearbox

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rt	=	red
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Mobile telephone systems , (9ZE),(9ZV),(9ZX)

From July 2016

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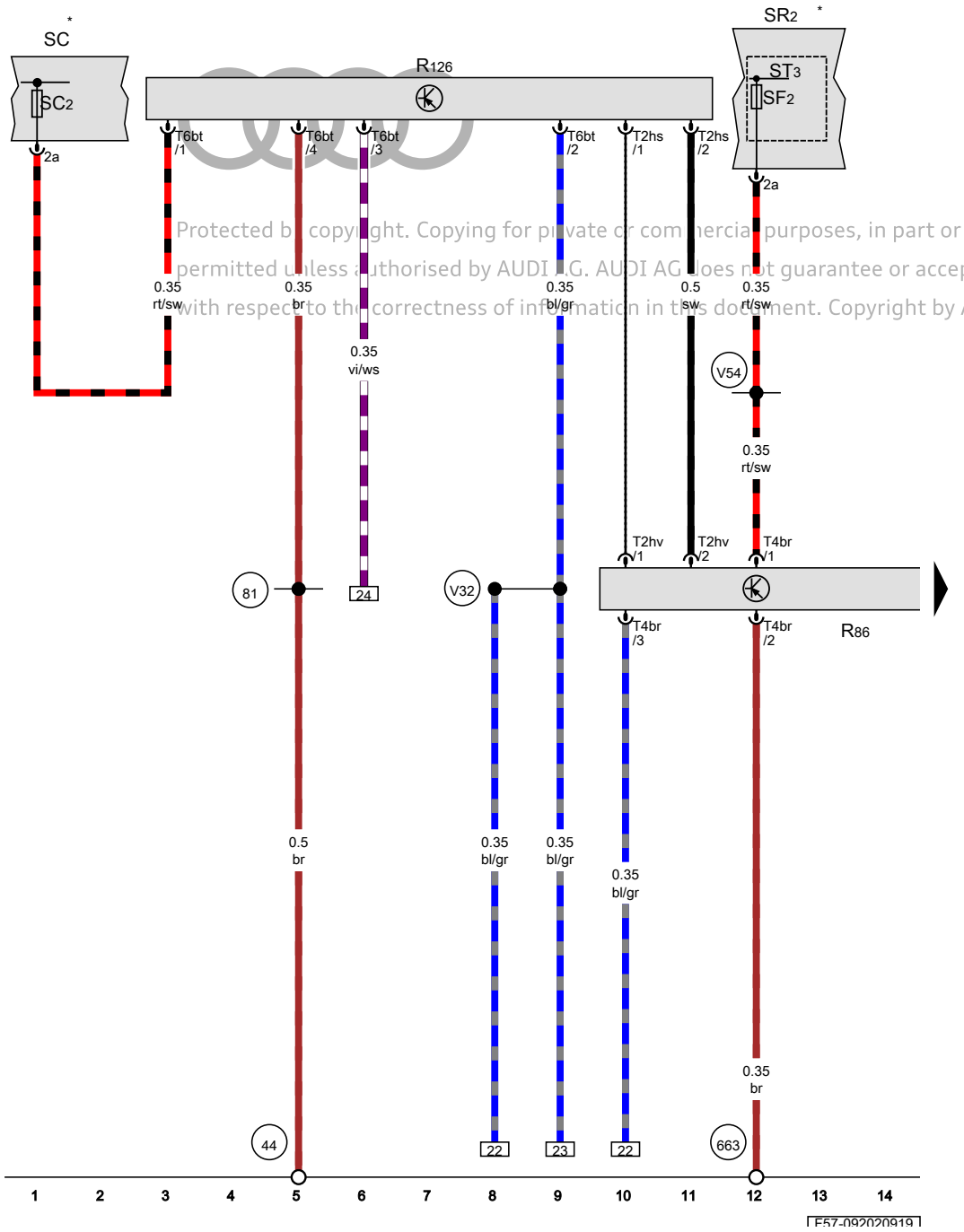

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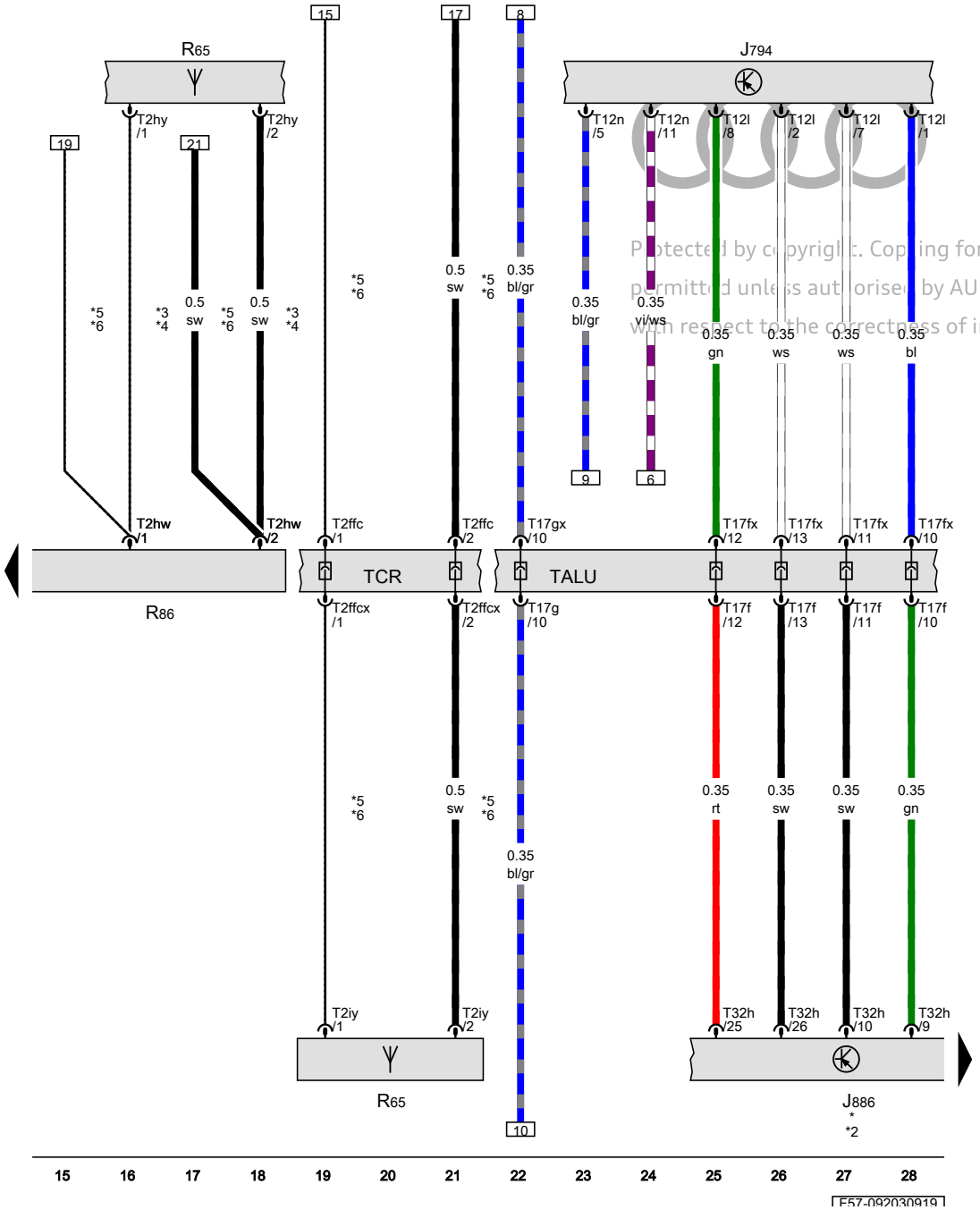
Aerial amplifier for mobile telephone, Telephone bracket, Relay and fuse carrier 2

R86	Aerial amplifier for mobile telephone
R126	Telephone bracket
SC	Fuse holder C
SR2	Relay and fuse carrier 2, behind left side trim in luggage compartment
SF2	Fuse 2 in fuse holder F
SC2	Fuse 2 on fuse holder C
ST3	Fuse carrier 3, brown
T2hs	2-pin connector, purple
T2hv	2-pin connector, black
T4br	4-pin connector, black
T6bt	6-pin connector, black
44	Earth point, lower part of left A-pillar
81	Earth connection 1, in dash panel wiring harness
663	Earth point, rear right side panel
V32	Positive connection (30), in telephone wiring harness
V54	Connection 1 (telephone), in main wiring harness
*	see applicable current flow diagram for fuse assignment



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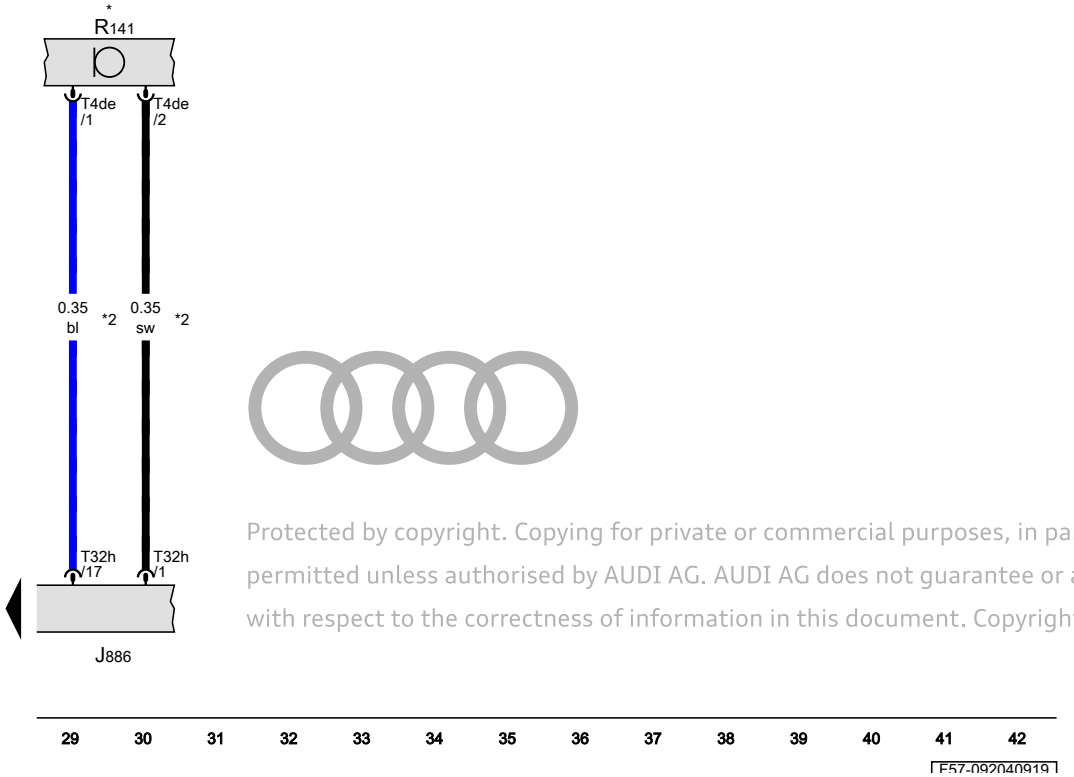
Control unit 1 for information electronics, Control unit for seat belt microphone, Telephone aerial, Aerial amplifier for mobile telephone

J794	Control unit 1 for information electronics
J886	Control unit for seat belt microphone
R65	Telephone aerial
R86	Aerial amplifier for mobile telephone
T2ffc	2-pin connector, purple
T2ffcx	2-pin connector, purple
T2hw	2-pin connector, purple, yellow, colourless
T2hy	2-pin connector, purple
T2iy	2-pin connector
T12l	12-pin connector, blue
T12n	12-pin connector, grey
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T32h	32-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TCR	Coupling point on right C-pillar
*	see applicable current flow diagram for emergency call module
*2	see applicable current flow diagram for MMI (information electronics)
*3	For models with emergency call module
*4	For models with mobile online services
*5	For models with no emergency call module
*6	For models with no mobile online services

Control unit for seat belt microphone, Front right microphone

J886	Control unit for seat belt microphone
R141	Front right microphone
T4de	4-pin connector, black
T32h	32-pin connector, black
*	see applicable current flow diagram for emergency call module
*2	For models with no emergency call module



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Adjustable driver and front passenger seats , (3L5),(8I6),(Q1A),(Q1D),(Q4Q)

From July 2016

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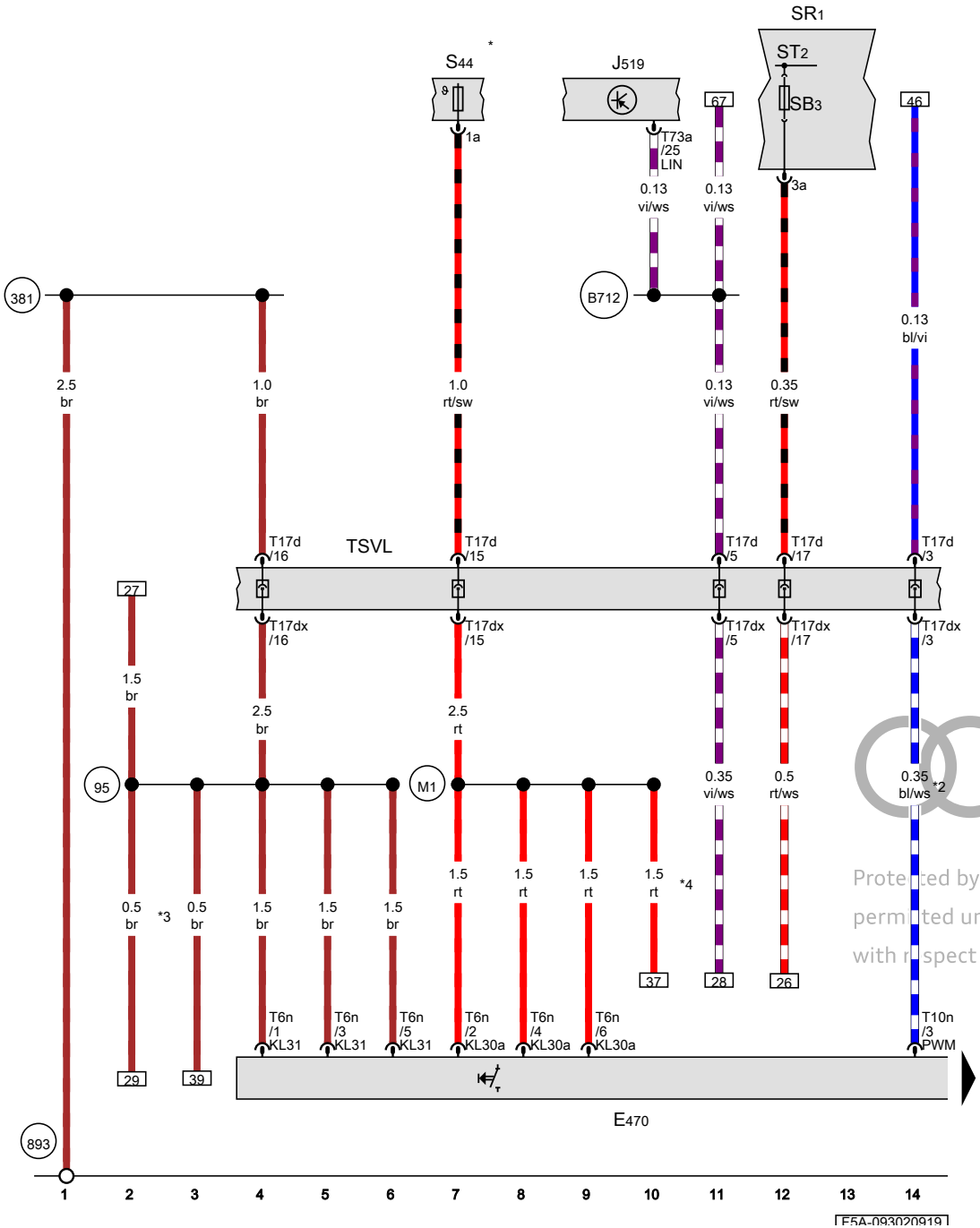

Driver seat adjustment operating unit, Onboard supply control unit, Driver seat adjustment thermal fuse 1

E470	Driver seat adjustment operating unit
J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
S44	Driver seat adjustment thermal fuse 1
T6n	6-pin connector, black
T10n	10-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T73a	73-pin connector, black
TSVL	Coupling point for front left seat
95	Earth connection 1, in seat adjustment wiring harness
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
B712	Connection 7 (LIN bus) in main wiring harness
M1	Positive connection 1 (30), in seat adjustment wiring harness
*	see applicable current flow diagram for fuse assignment
*2	From November 2016
*3	Version 1
*4	Version 2

ws	=	white
sw	=	black
ro	=	red
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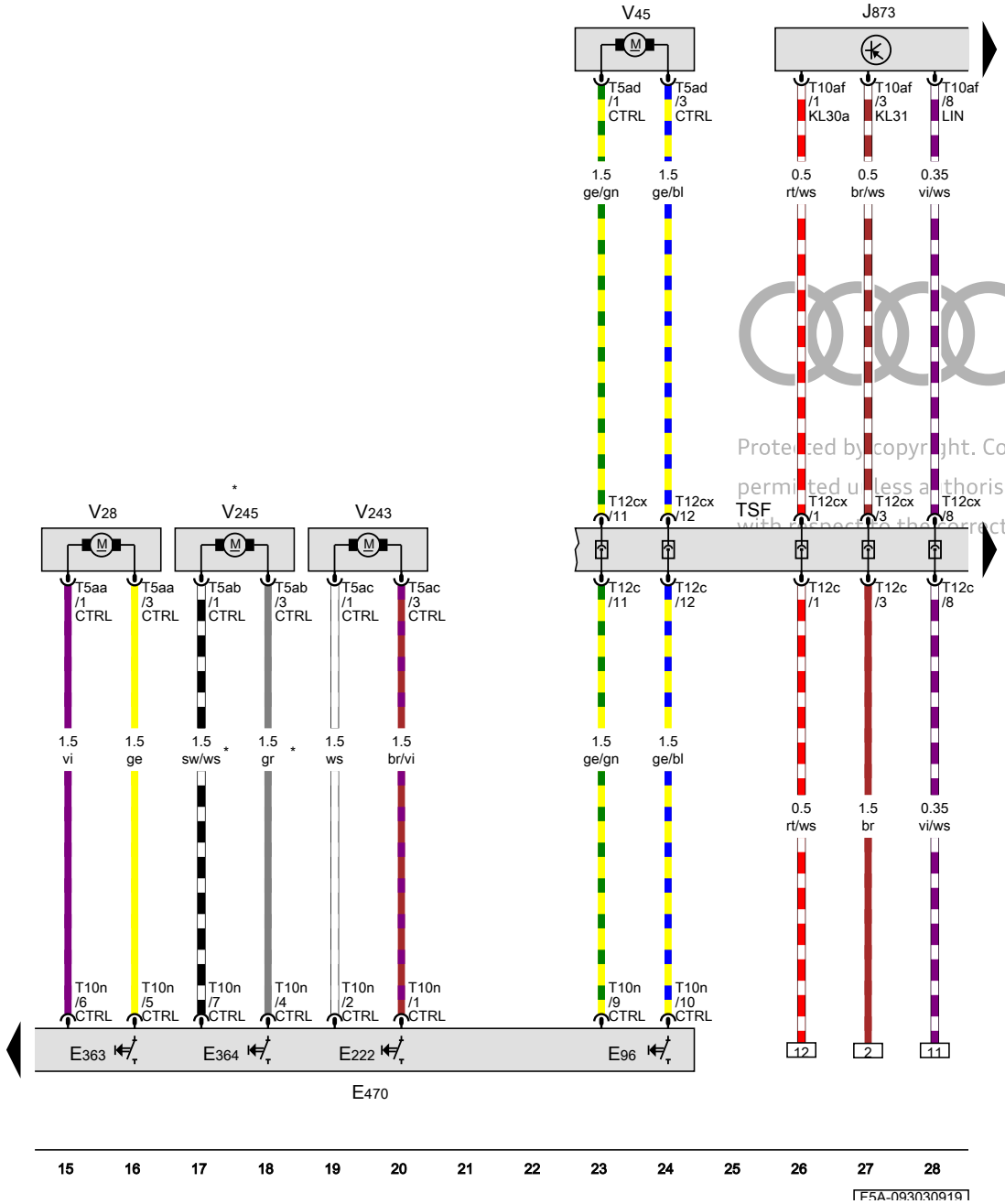
Driver seat adjustment operating unit, Control unit for driver multicontour seat, Driver seat backrest adjustment motor

E96	Driver seat backrest adjustment switch
E222	Driver seat rake adjustment switch
E363	Driver seat longitudinal adjustment switch
E364	Driver seat height adjustment switch
E470	Driver seat adjustment operating unit
J873	Control unit for driver multicontour seat
T5aa	5-pin connector, brown
T5ab	5-pin connector, brown
T5ac	5-pin connector, brown
T5ad	5-pin connector, brown
T10af	10-pin connector, black
T10n	10-pin connector, black
T12c	12-pin connector, black
T12cx	12-pin connector, black
TSF	Coupling point for driver seat backrest
V28	Driver seat longitudinal adjustment motor
V45	Driver seat backrest adjustment motor
V243	Driver seat rake adjustment motor
V245	Driver seat height adjustment motor
*	According to equipment



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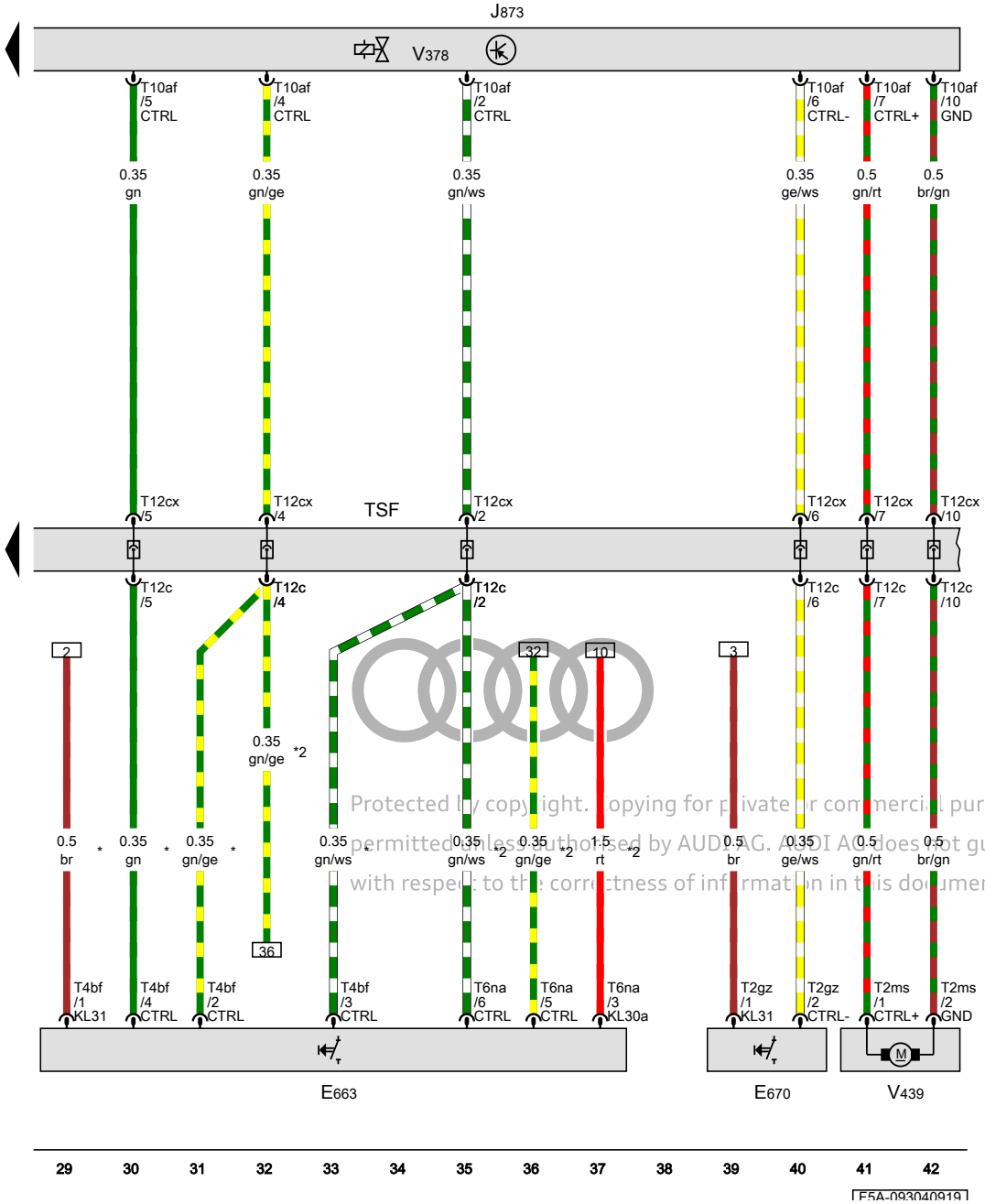

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Driver seat massage function button, Control unit for driver multicontour seat, Valve block for driver seat and backrest bolster adjustment, Compressor for multicontour driver seat

E663	Switch module for driver seat
E670	Driver seat massage function button
J873	Control unit for driver multicontour seat
T2gz	2-pin connector, black
T2ms	2-pin connector, black
T4bf	4-pin connector, brown
T6na	6-pin connector, black
T10af	10-pin connector, black
T12c	12-pin connector, black
T12cx	12-pin connector, black
TSF	Coupling point for driver seat backrest
V378	Valve block for driver seat and backrest bolster adjustment
V439	Compressor for multicontour driver seat
*	Version 1
*2	Version 2

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rt	=	red
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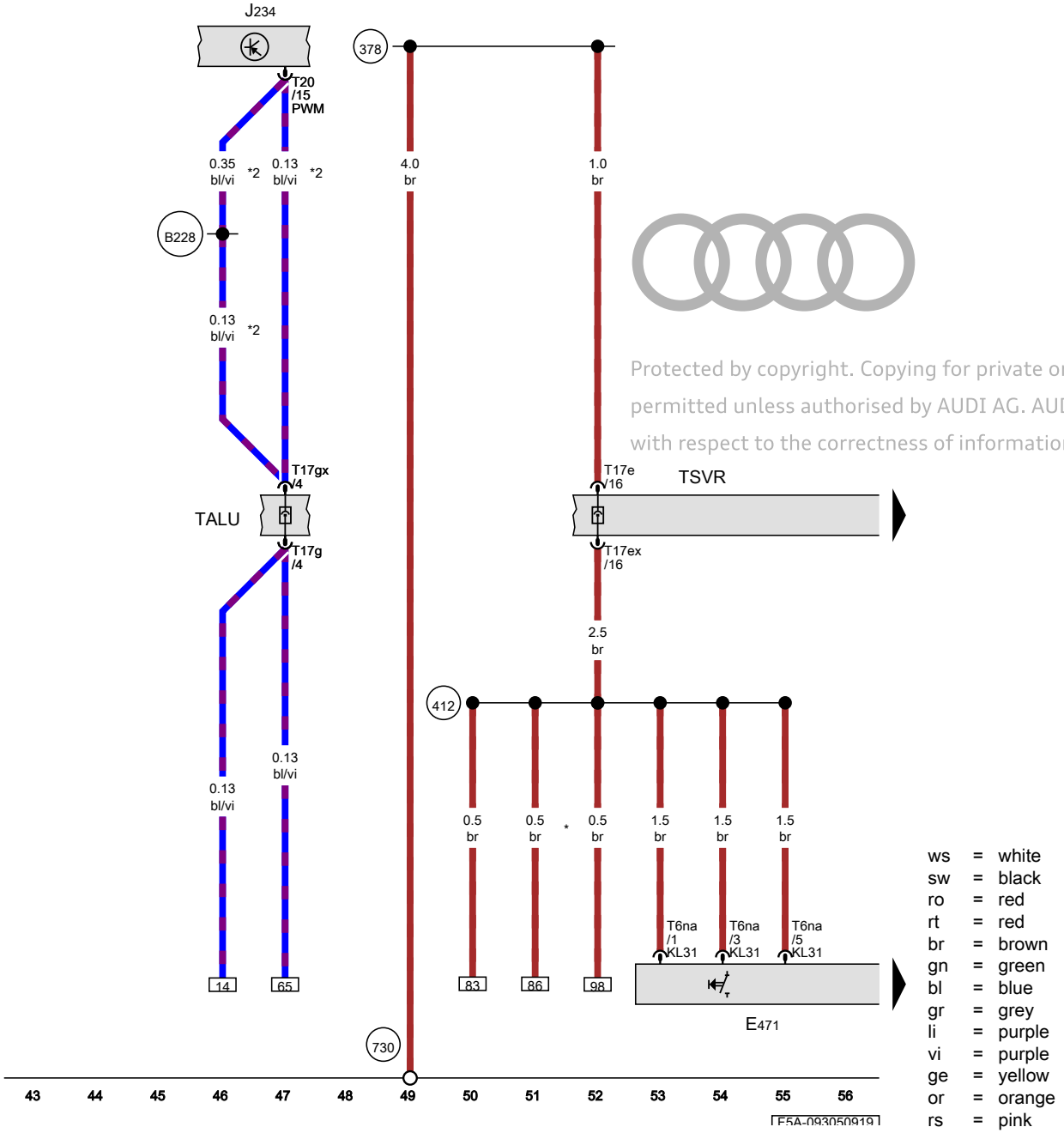

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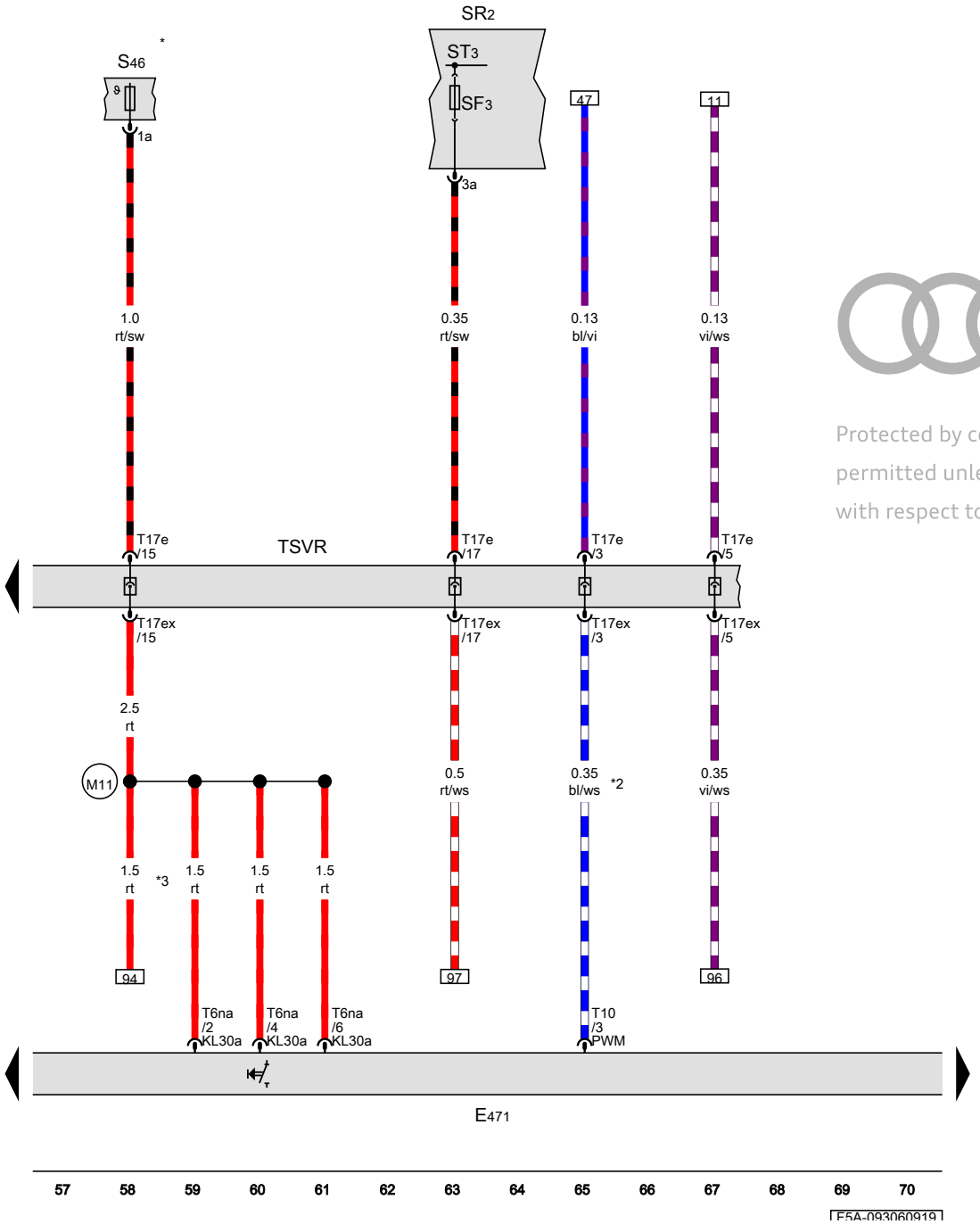
Front passenger seat adjustment operating unit, Coupling point for front right seat

E471	Front passenger seat adjustment operating unit
J234	Airbag control unit
T6na	6-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20	20-pin connector, yellow
TALU	Coupling point on left A-pillar, bottom
TSVR	Coupling point for front right seat
378	Earth connection 13, in main wiring harness
412	Earth connection 3, in seat adjustment wiring harness
730	Earth point 1, on right rear wheel housing
B228	Connection (crash signal), in interior wiring harness
*	Version 1
*2	According to equipment



Front passenger seat adjustment operating unit, Front passenger seat adjustment thermal fuse 1, Coupling point for front right seat

E471	Front passenger seat adjustment operating unit
SR2	Relay and fuse carrier 2
SF3	Fuse 3 in fuse holder F
ST3	Fuse carrier 3, brown
S46	Front passenger seat adjustment thermal fuse 1
T6na	6-pin connector, black
T10	10-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSVR	Coupling point for front right seat
M11	Connection 2, in driver seat adjustment wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	Version 2

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rt	=	red
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ge	=	yellow
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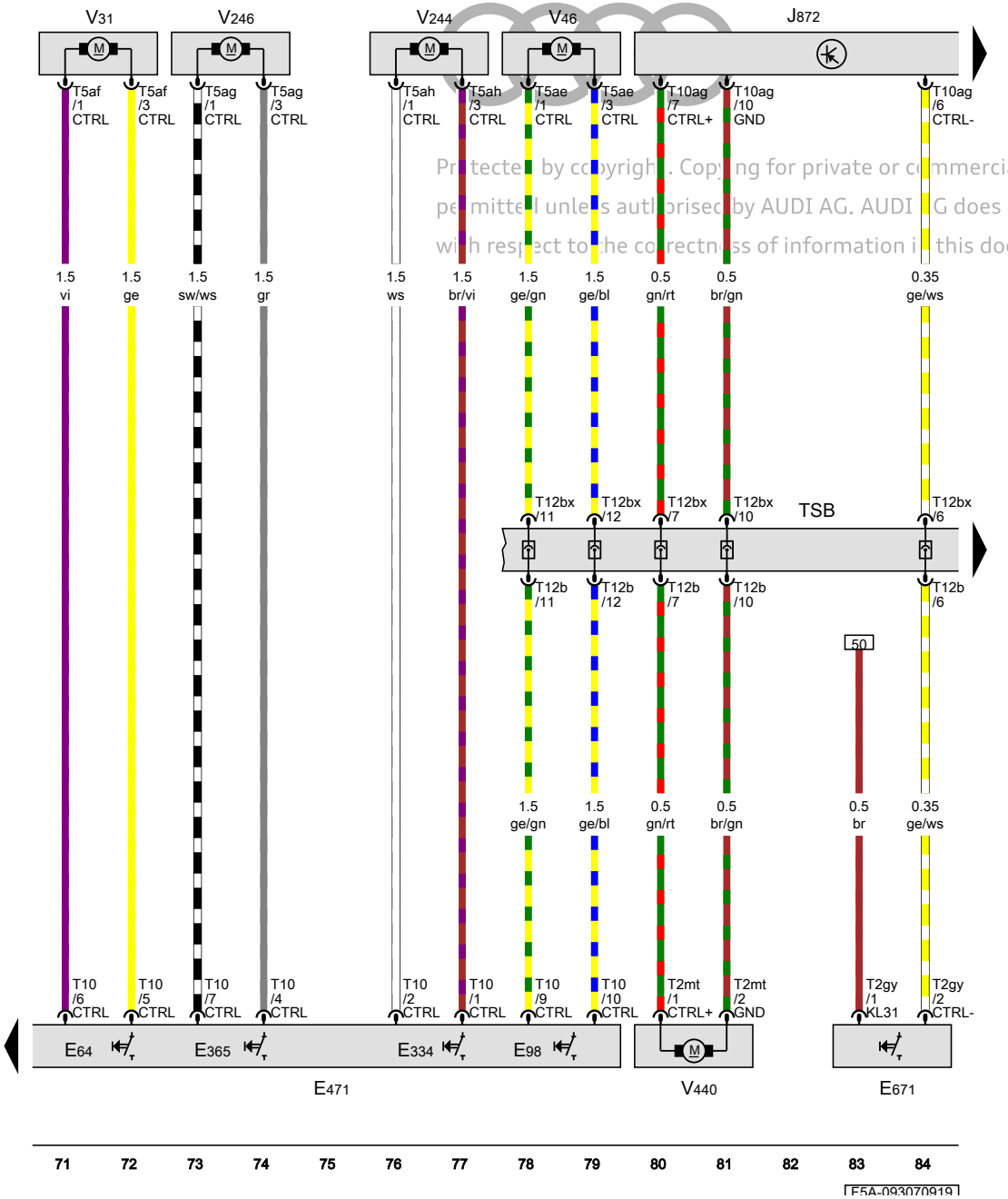
rs	=	pink



Front passenger seat adjustment operating unit, Front passenger seat massage function button, Control unit for front passenger multicontour seat, Front passenger seat longitudinal adjustment motor, Front passenger seat backrest adjustment motor, Front passenger seat rake adjustment motor, Front passenger seat height adjustment motor, Compressor for multicontour front passenger seat

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E64	Front passenger seat longitudinal adjustment switch
E98	Front passenger seat backrest adjustment switch
E334	Front passenger seat rake adjustment button
E365	Front passenger seat height adjustment switch
E471	Front passenger seat adjustment operating unit
E671	Front passenger seat massage function button
J872	Control unit for front passenger multicontour seat
T2gy	2-pin connector, black
T2mt	2-pin connector, black
T5ae	5-pin connector, brown
T5af	5-pin connector, brown
T5ag	5-pin connector, brown
T5ah	5-pin connector, brown
T10	10-pin connector, black
T10ag	10-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
TSB	Coupling point for front passenger seat backrest
V31	Front passenger seat longitudinal adjustment motor
V46	Front passenger seat backrest adjustment motor
V244	Front passenger seat rake adjustment motor
V246	Front passenger seat height adjustment motor
V440	Compressor for multicontour front passenger seat

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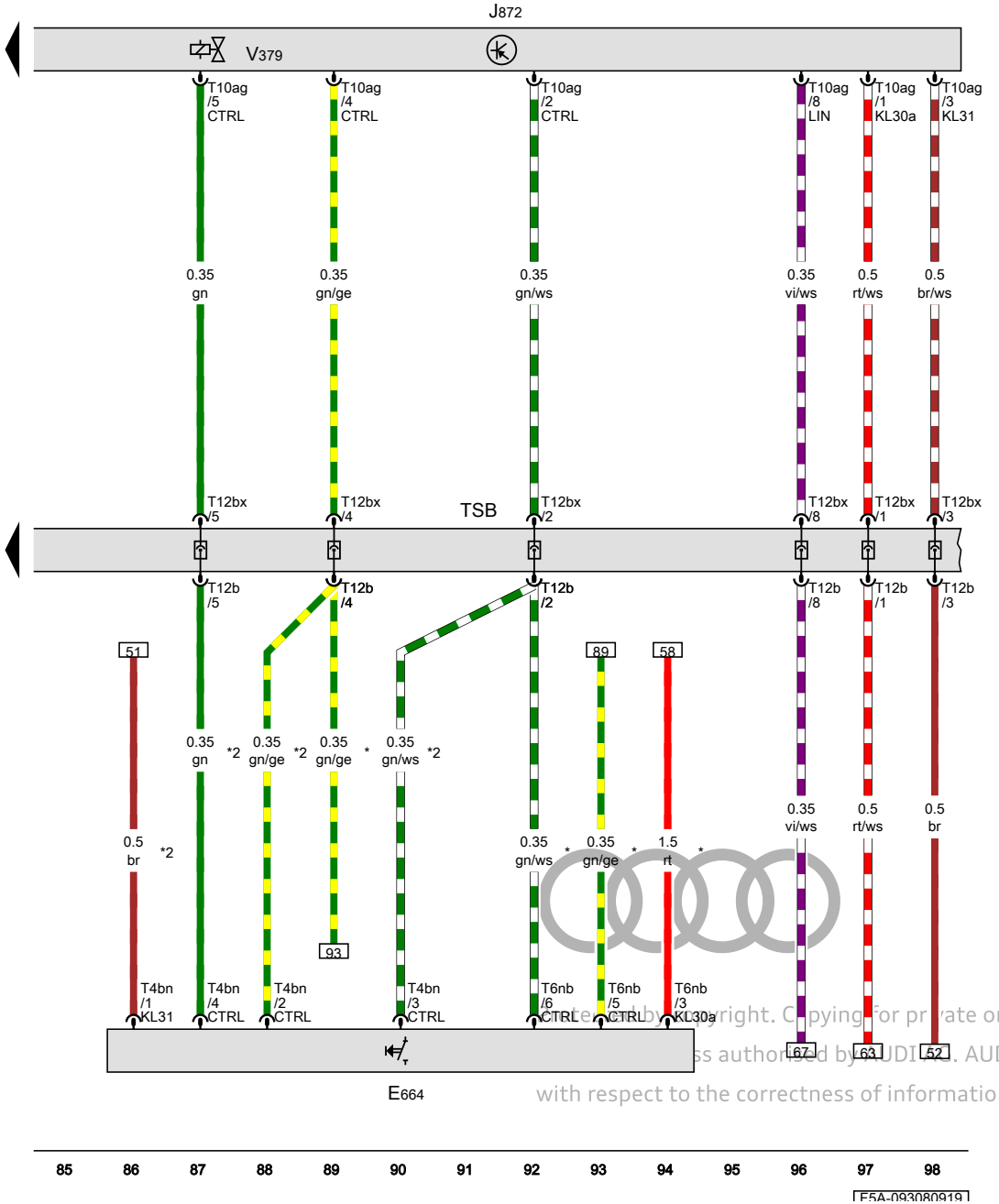

Switch module for front passenger seat, Control unit for front passenger multicontour seat, Valve block for front passenger seat and backrest bolster adjustment

E664	Switch module for front passenger seat
J872	Control unit for front passenger multicontour seat
T4bn	4-pin connector, brown
T6nb	6-pin connector, black
T10ag	10-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
TSB	Coupling point for front passenger seat backrest
V379	Valve block for front passenger seat and backrest bolster adjustment
*	Version 2
*2	Version 1

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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Adjustable driver and front passenger seats , (3L4),(8I6),(Q1A),(Q1D),(Q4Q)

From July 2016

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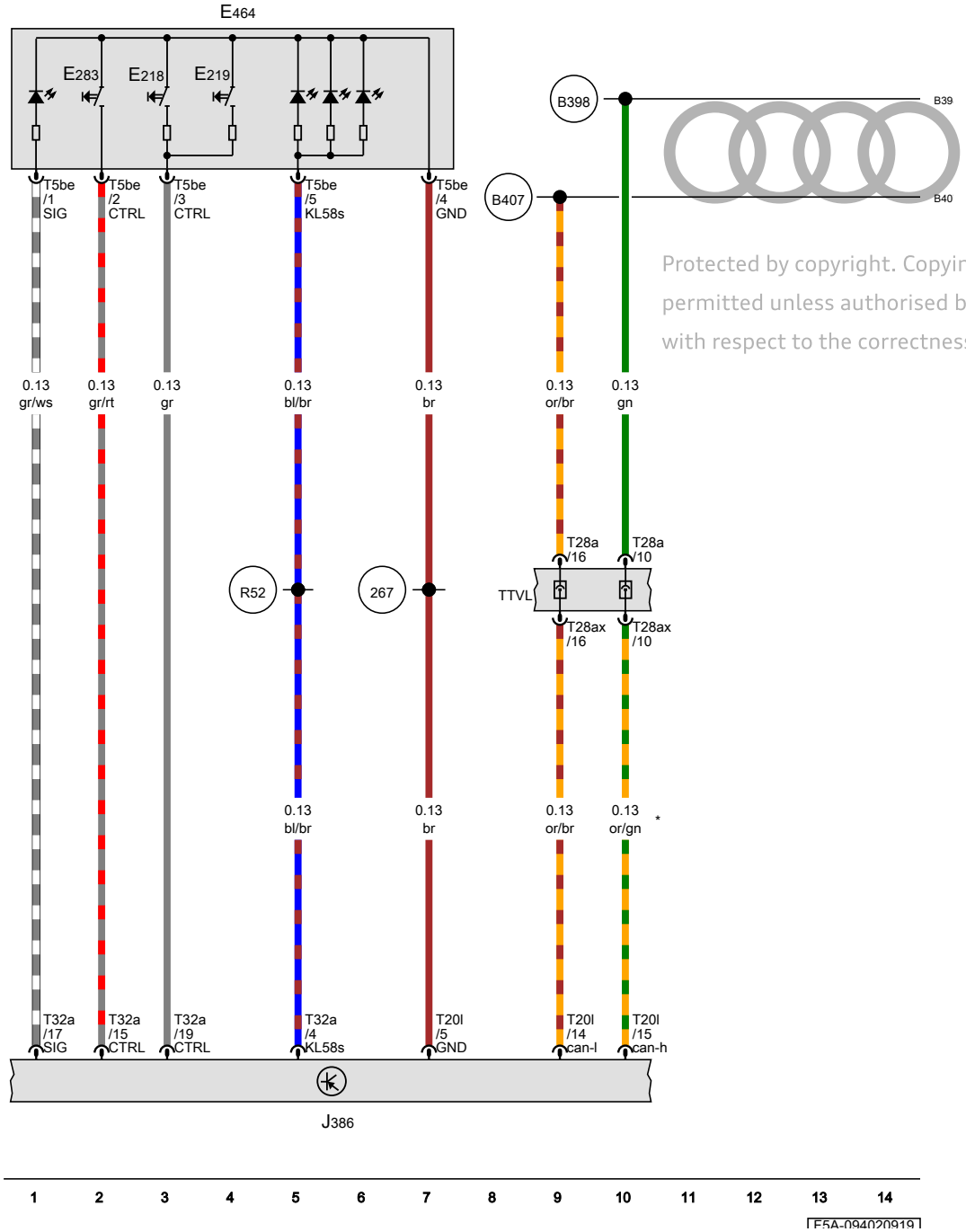

Driver operating unit for memory settings, Driver door control unit

E218	Seat memory position button 1
E219	Seat memory position button 2
E283	Driver seat memory function button
E464	Driver operating unit for memory settings
J386	Driver door control unit
T5be	5-pin connector, black
T20l	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
T32a	32-pin connector, blue
TTVL	Coupling point for front left door
267	Earth connection 2, in drive side door wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
R52	Connection (58s), in driver side door wiring harness
*	Different wire colour possible

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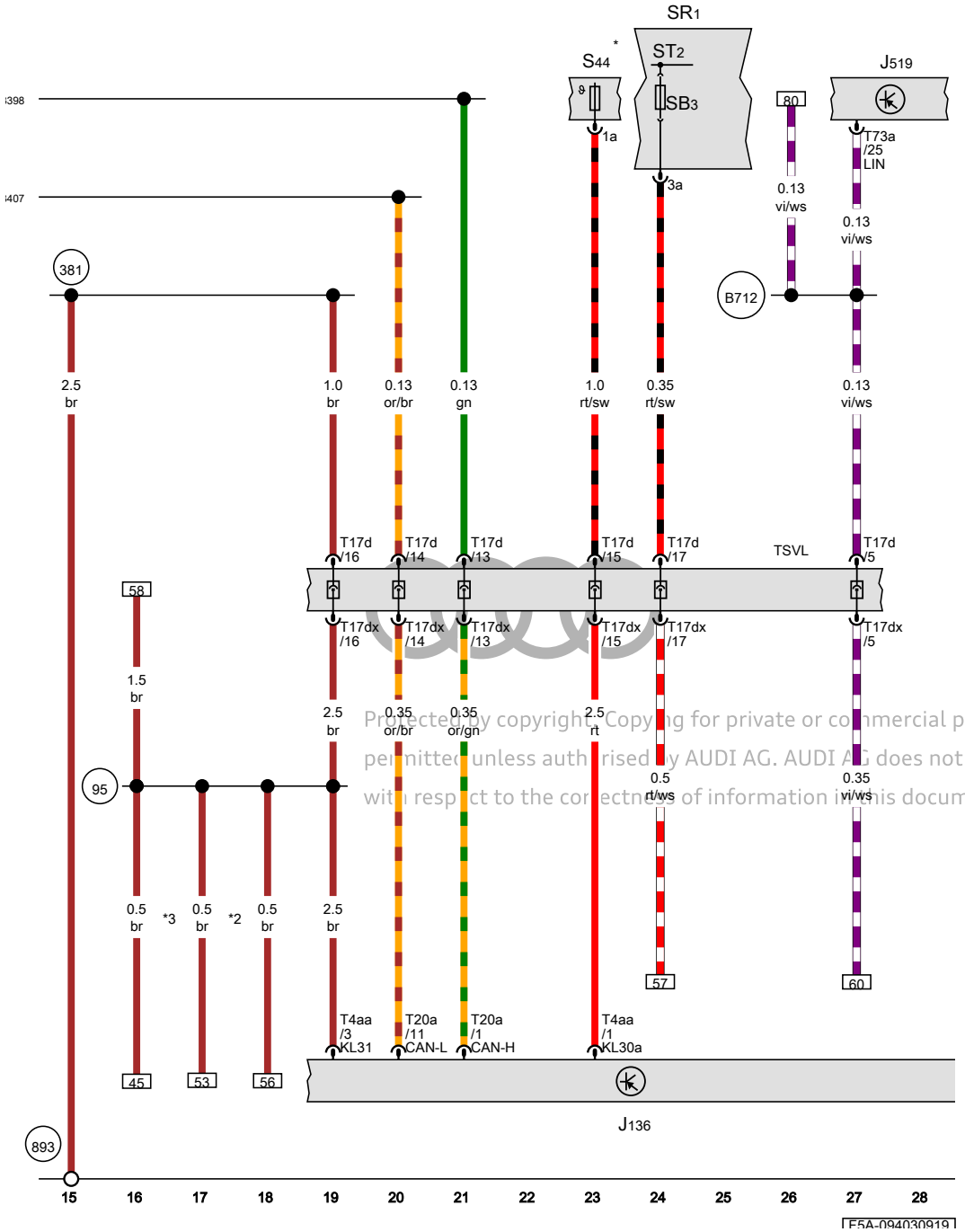

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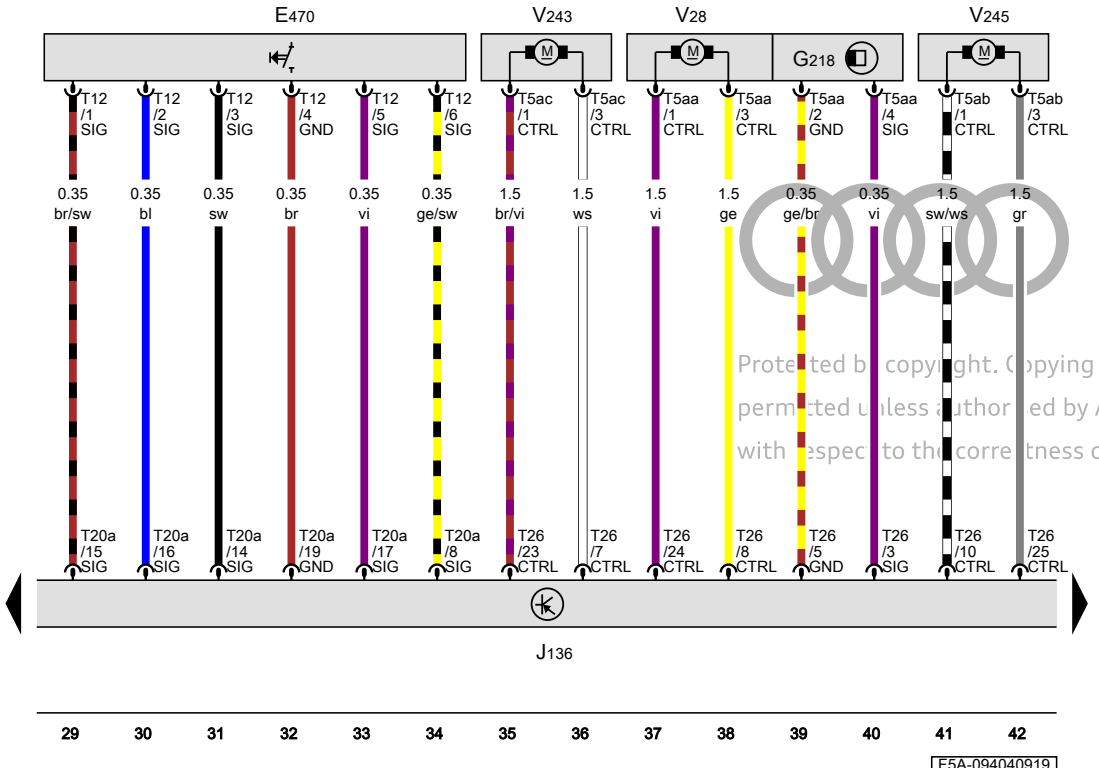
Seat and steering column adjustment control unit with memory, Onboard supply control unit, Driver seat adjustment thermal fuse 1

J136	Seat and steering column adjustment control unit with memory
J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
S44	Driver seat adjustment thermal fuse 1
T4aa	4-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T20a	20-pin connector, black
T73a	73-pin connector, black
TSVL	Coupling point for front left seat
95	Earth connection 1, in seat adjustment wiring harness
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B712	Connection 7 (LIN bus) in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Version 2
*3	Version 1

Driver seat adjustment operating unit, Longitudinal adjustment sender for driver seat, Seat and steering column adjustment control unit with memory, Driver seat longitudinal adjustment motor, Driver seat rake adjustment motor, Driver seat height adjustment motor

E470	Driver seat adjustment operating unit
G218	Longitudinal adjustment sender for driver seat
J136	Seat and steering column adjustment control unit with memory
T5aa	5-pin connector, brown
T5ab	5-pin connector, brown
T5ac	5-pin connector, brown
T12	12-pin connector, black
T20a	20-pin connector, black
T26	26-pin connector, white
V28	Driver seat longitudinal adjustment motor
V243	Driver seat rake adjustment motor
V245	Driver seat height adjustment motor



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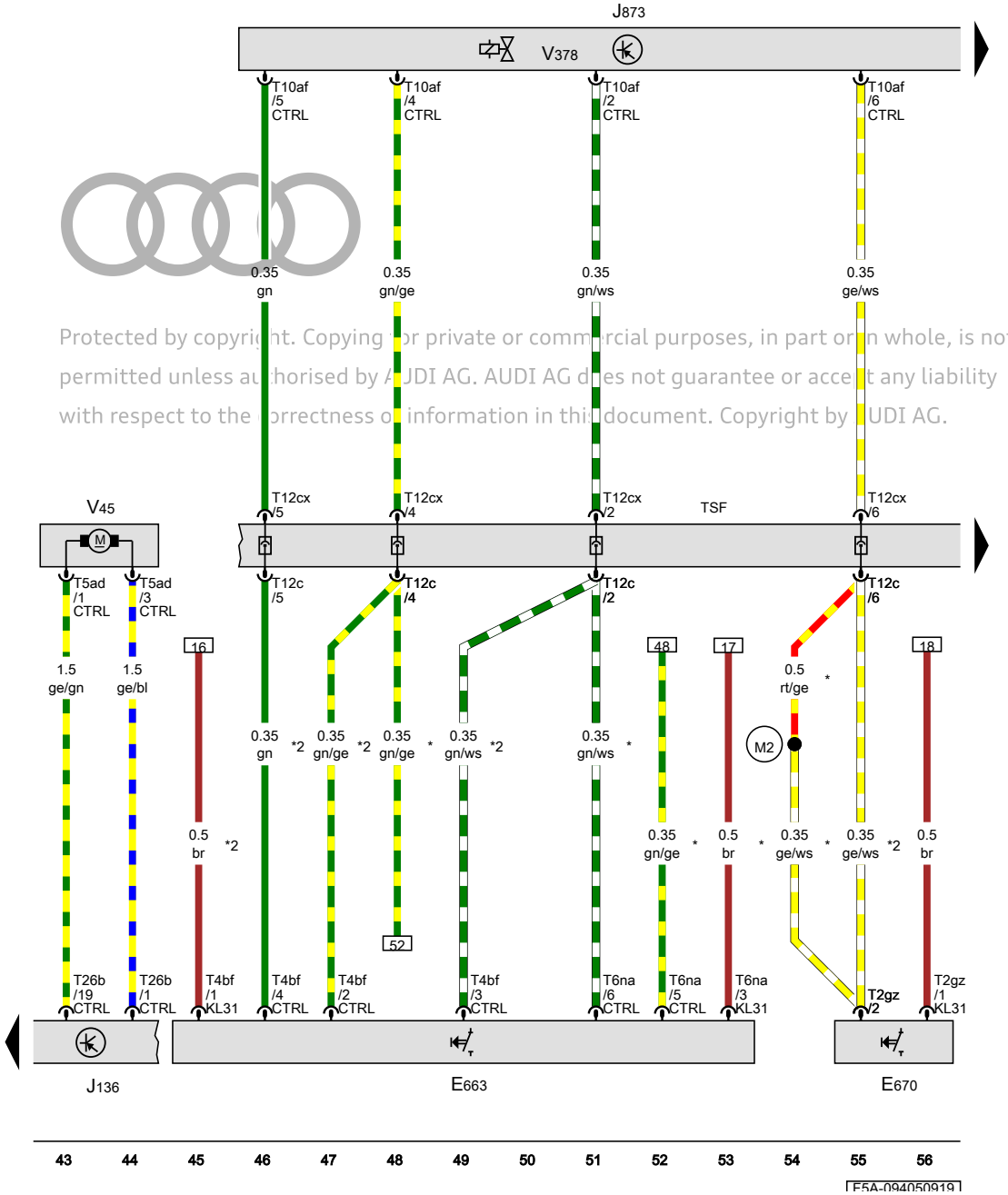

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Driver seat massage function button, Seat and steering column adjustment control unit with memory, Control unit for driver multicontour seat, Driver seat backrest adjustment motor, Valve block for driver seat and backrest bolster adjustment

E663	Switch module for driver seat
E670	Driver seat massage function button
J136	Seat and steering column adjustment control unit with memory
J873	Control unit for driver multicontour seat
T2gz	2-pin connector, black
T4bf	4-pin connector, brown
T5ad	5-pin connector, brown
T6na	6-pin connector, black
T10af	10-pin connector, black
T12c	12-pin connector, black
T12cx	12-pin connector, black
T26b	26-pin connector, blue
TSF	Coupling point for driver seat backrest
V45	Driver seat backrest adjustment motor
V378	Valve block for driver seat and backrest bolster adjustment
M2	Positive connection 2 (30), in seat adjustment wiring harness
*	Version 2
*2	Version 1

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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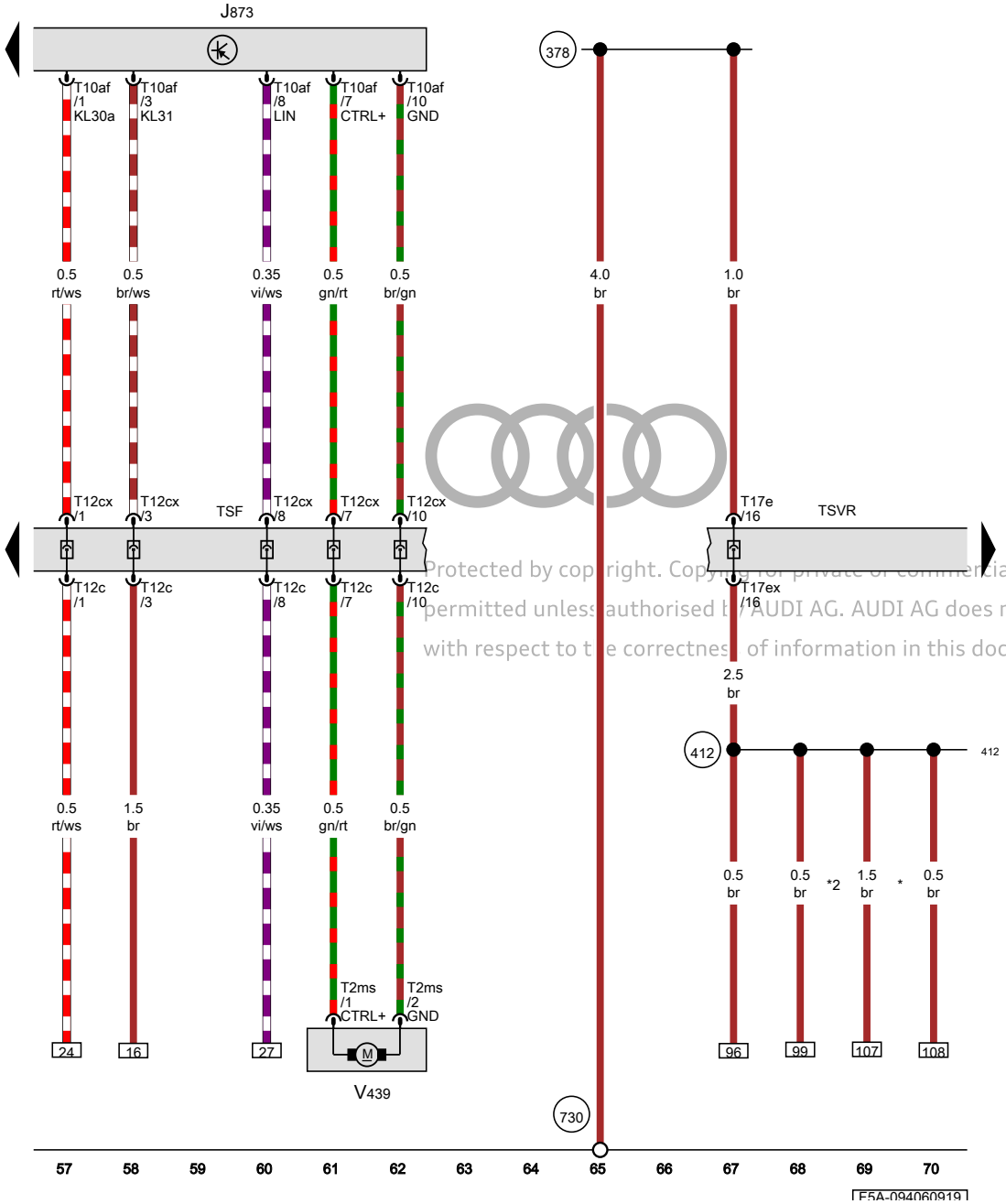

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Control unit for driver multicontour seat, Coupling point for front right seat, Compressor for multicontour driver seat

J873	Control unit for driver multicontour seat
T2ms	2-pin connector, black
T10af	10-pin connector, black
T12c	12-pin connector, black
T12cx	12-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSF	Coupling point for driver seat backrest
TSVR	Coupling point for front right seat
V439	Compressor for multicontour driver seat
378	Earth connection 13, in main wiring harness
412	Earth connection 3, in seat adjustment wiring harness
730	Earth point 1, on right rear wheel housing
*	Version 2
*2	Version 1

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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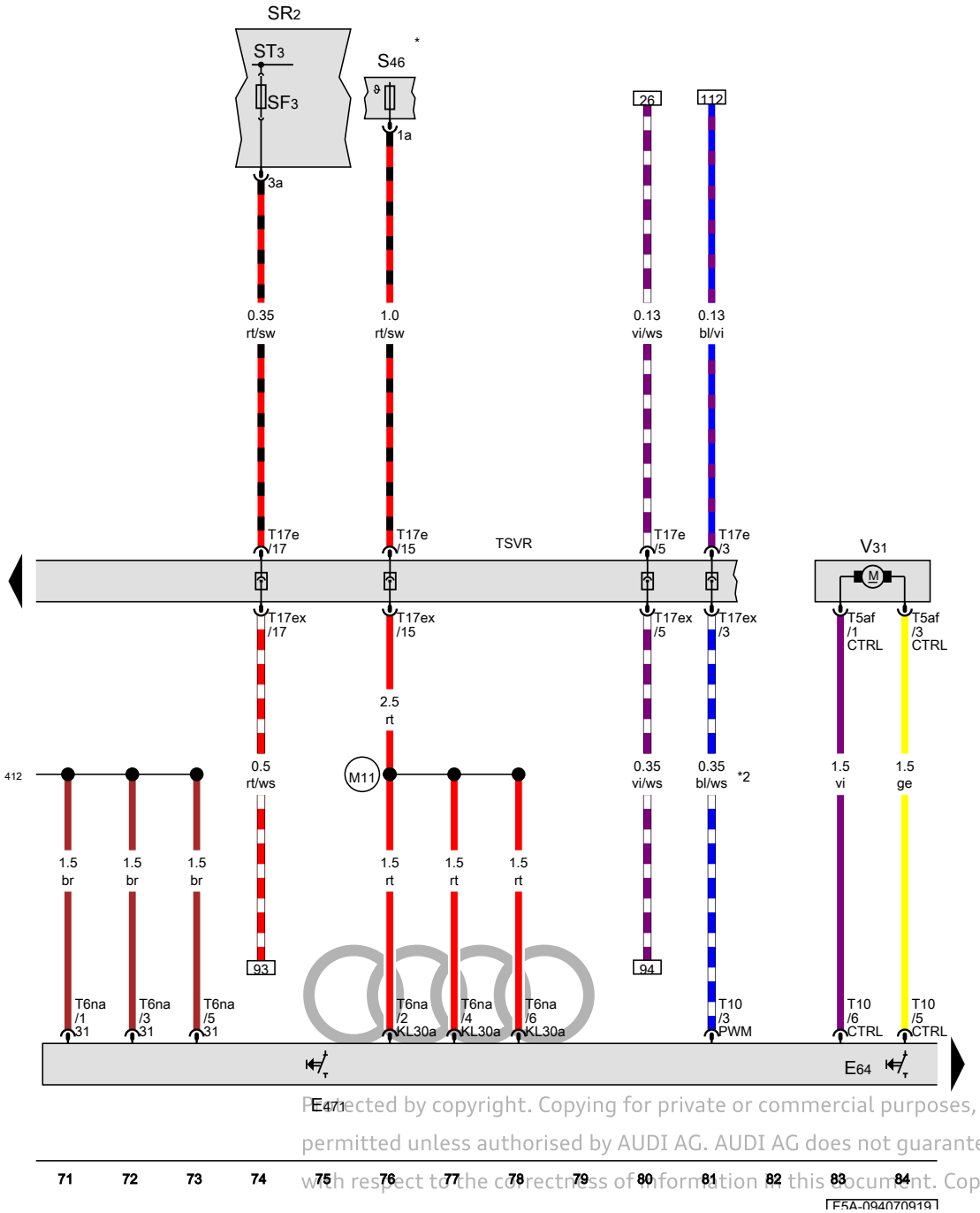

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Front passenger seat adjustment operating unit, Front passenger seat adjustment thermal fuse 1, Coupling point for front right seat, Front passenger seat longitudinal adjustment motor

E64	Front passenger seat longitudinal adjustment switch
E471	Front passenger seat adjustment operating unit
SR2	Relay and fuse carrier 2
SF3	Fuse 3 in fuse holder F
ST3	Fuse carrier 3, brown
S46	Front passenger seat adjustment thermal fuse 1
T5af	5-pin connector, brown
T6na	6-pin connector, black
T10	10-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSVR	Coupling point for front right seat
V31	Front passenger seat longitudinal adjustment motor
412	Earth connection 3, in seat adjustment wiring harness
M11	Connection 2, in driver seat adjustment wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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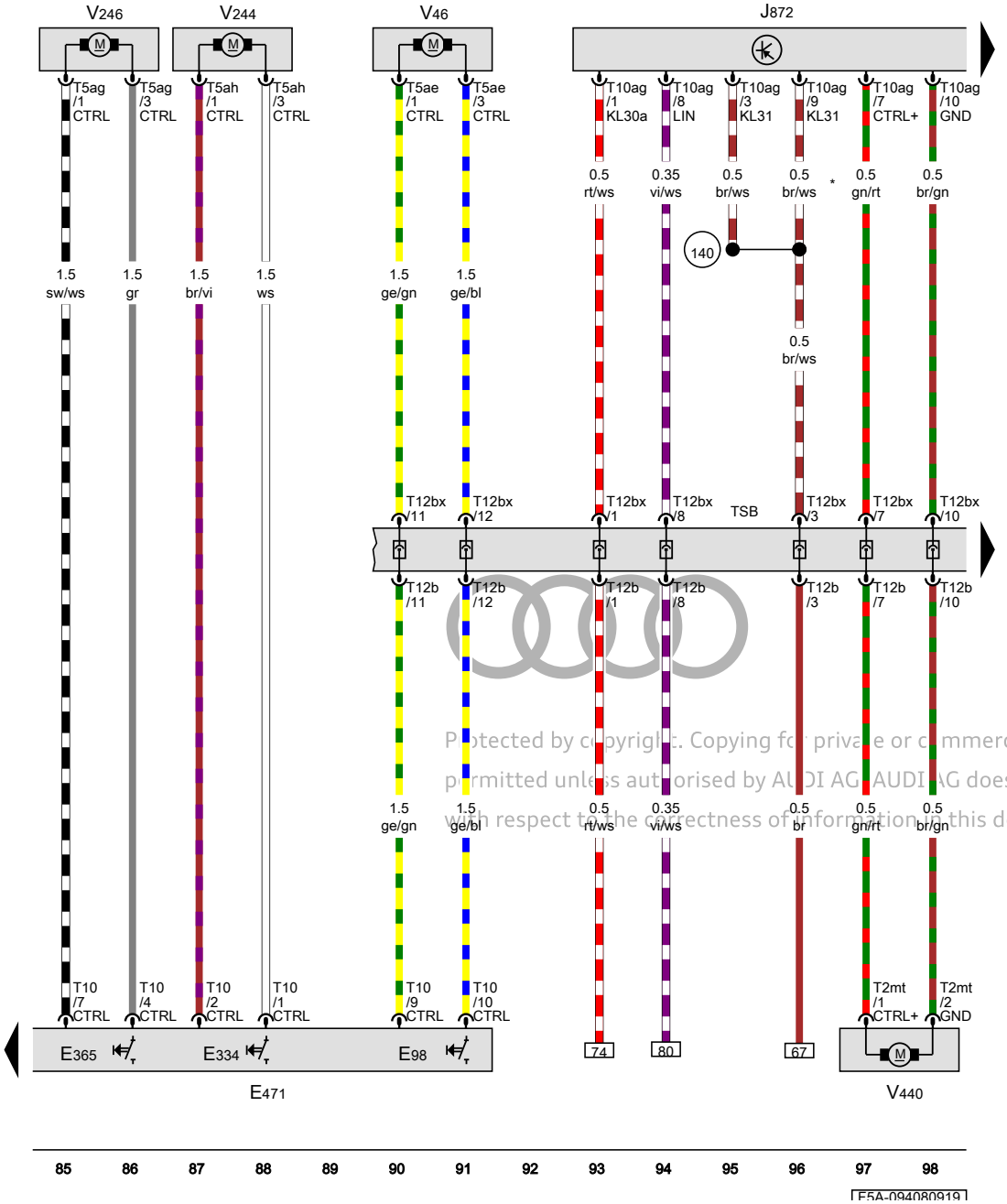

Front passenger seat adjustment operating unit, Control unit for front passenger multicontour seat, Front passenger seat backrest adjustment motor, Front passenger seat rake adjustment motor, Front passenger seat height adjustment motor, Compressor for multicontour front passenger seat

E98	Front passenger seat backrest adjustment switch
E334	Front passenger seat rake adjustment button
E365	Front passenger seat height adjustment switch
E471	Front passenger seat adjustment operating unit
J872	Control unit for front passenger multicontour seat
T2mt	2-pin connector, black
T5ae	5-pin connector, brown
T5ag	5-pin connector, brown
T5ah	5-pin connector, brown
T10	10-pin connector, black
T10ag	10-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
TSB	Coupling point for front passenger seat backrest
V46	Front passenger seat backrest adjustment motor
V244	Front passenger seat rake adjustment motor
V246	Front passenger seat height adjustment motor
V440	Compressor for multicontour front passenger seat
140	Earth connection 2, in seat adjustment wiring harness
*	Coding wire

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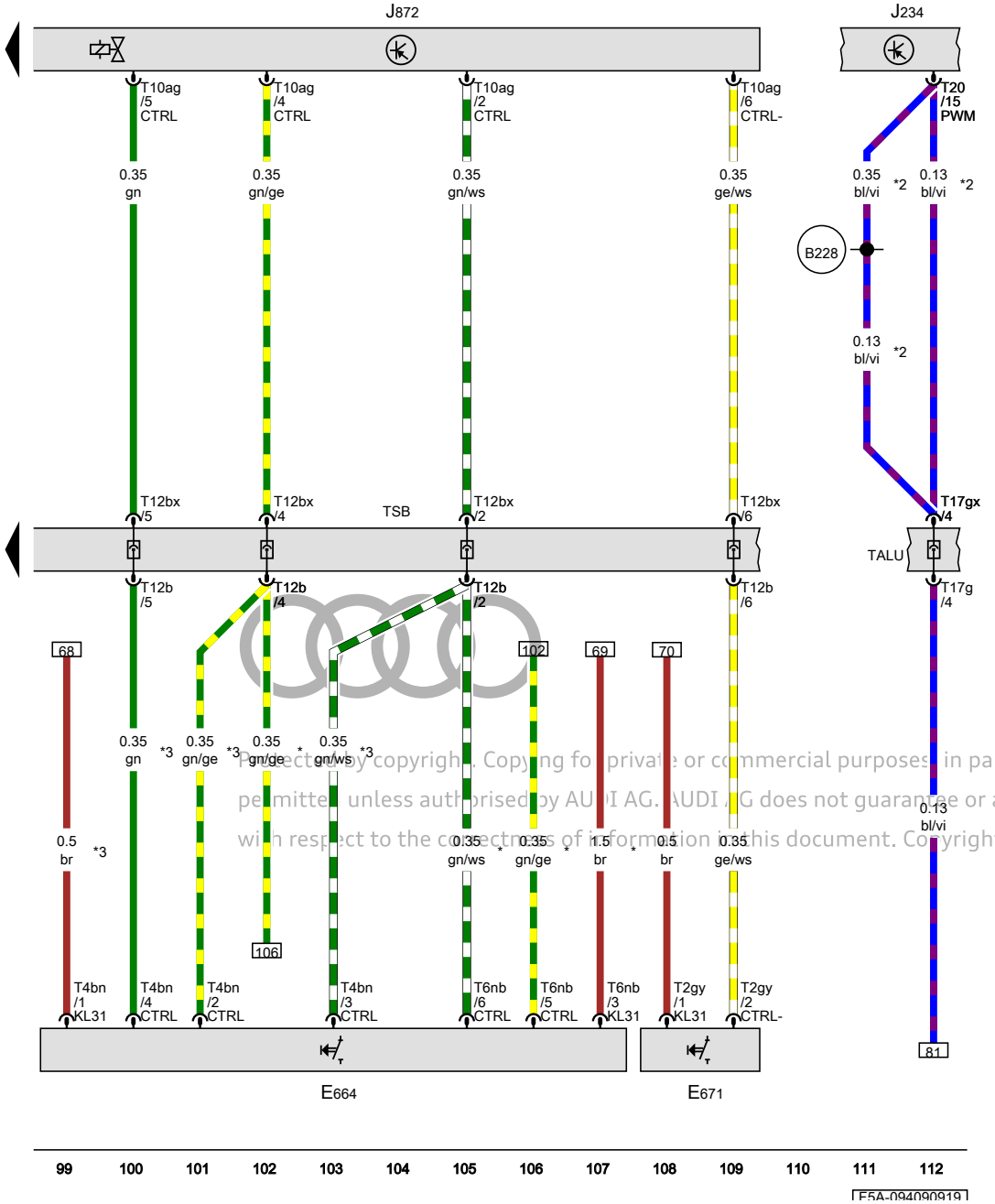

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Switch module for front passenger seat, Front passenger seat massage function button, Control unit for front passenger multicontour seat

E664	Switch module for front passenger seat
E671	Front passenger seat massage function button
J234	Airbag control unit
J872	Control unit for front passenger multicontour seat
T2gy	2-pin connector, black
T4bn	4-pin connector, brown
T6nb	6-pin connector, black
T10ag	10-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20	20-pin connector, yellow
TALU	Coupling point on left A-pillar, bottom
TSB	Coupling point for front passenger seat backrest
B228	Connection (crash signal), in interior wiring harness
*	Version 2
*2	According to equipment
*3	Version 1

Battery, starter and alternator , (VH0)

From July 2016

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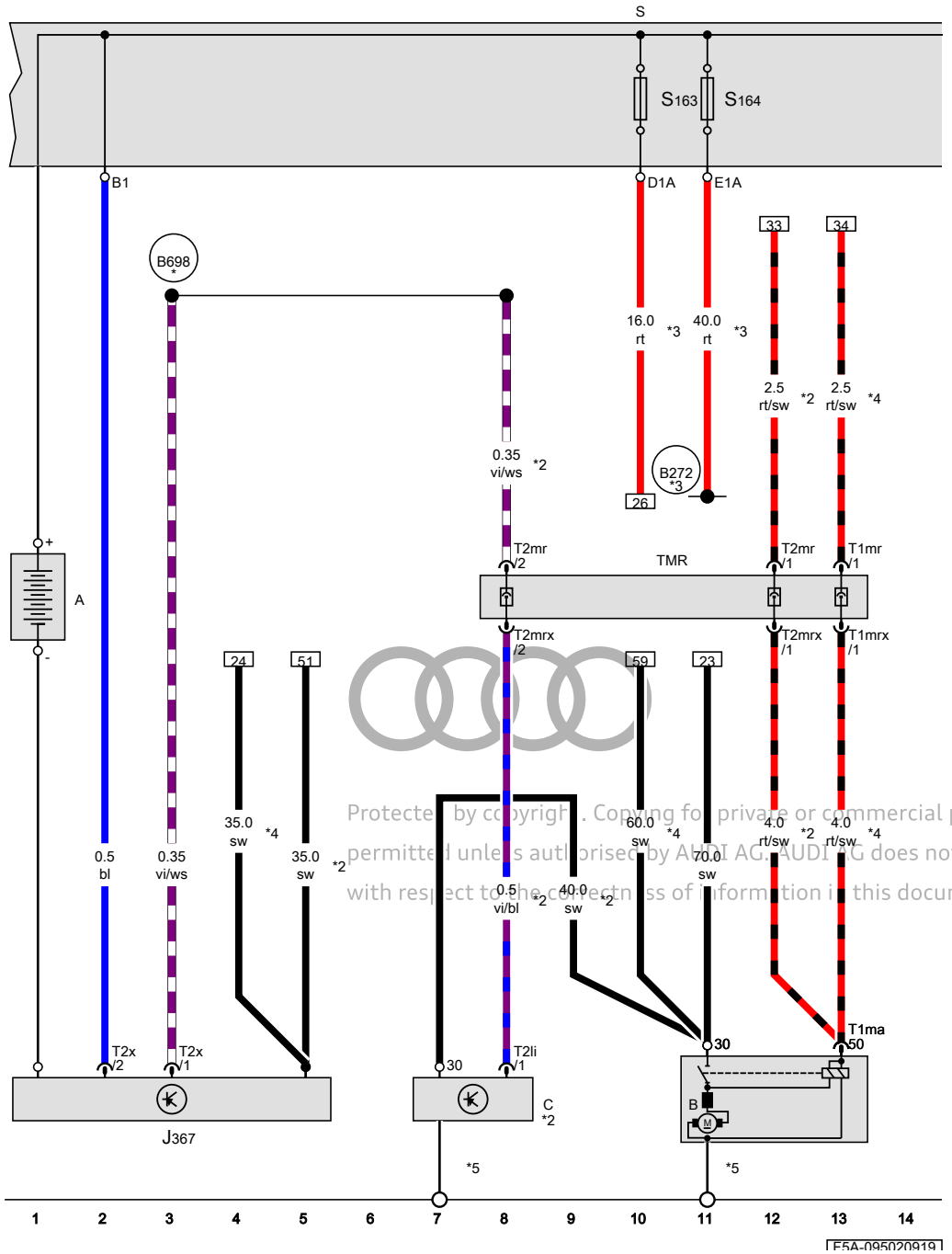

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Battery, Starter, Fuses in fuse holder

A	Battery, in luggage compartment
B	Starter
C	Alternator
J367	Battery monitor control unit
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T1mr	1-pin connector, black
T1mrx	1-pin connector, black
T2li	2-pin connector, black
T2mr	2-pin connector, black
T2mrx	2-pin connector, black
T2x	2-pin connector, black
TMR	Coupling point in engine compartment, right
B272	Positive connection (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	According to equipment
*2	For models with no 12 V hybrid system
*3	see applicable current flow diagram for fuse assignment
*4	For models with 12 V hybrid system
*5	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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vi	=	purple
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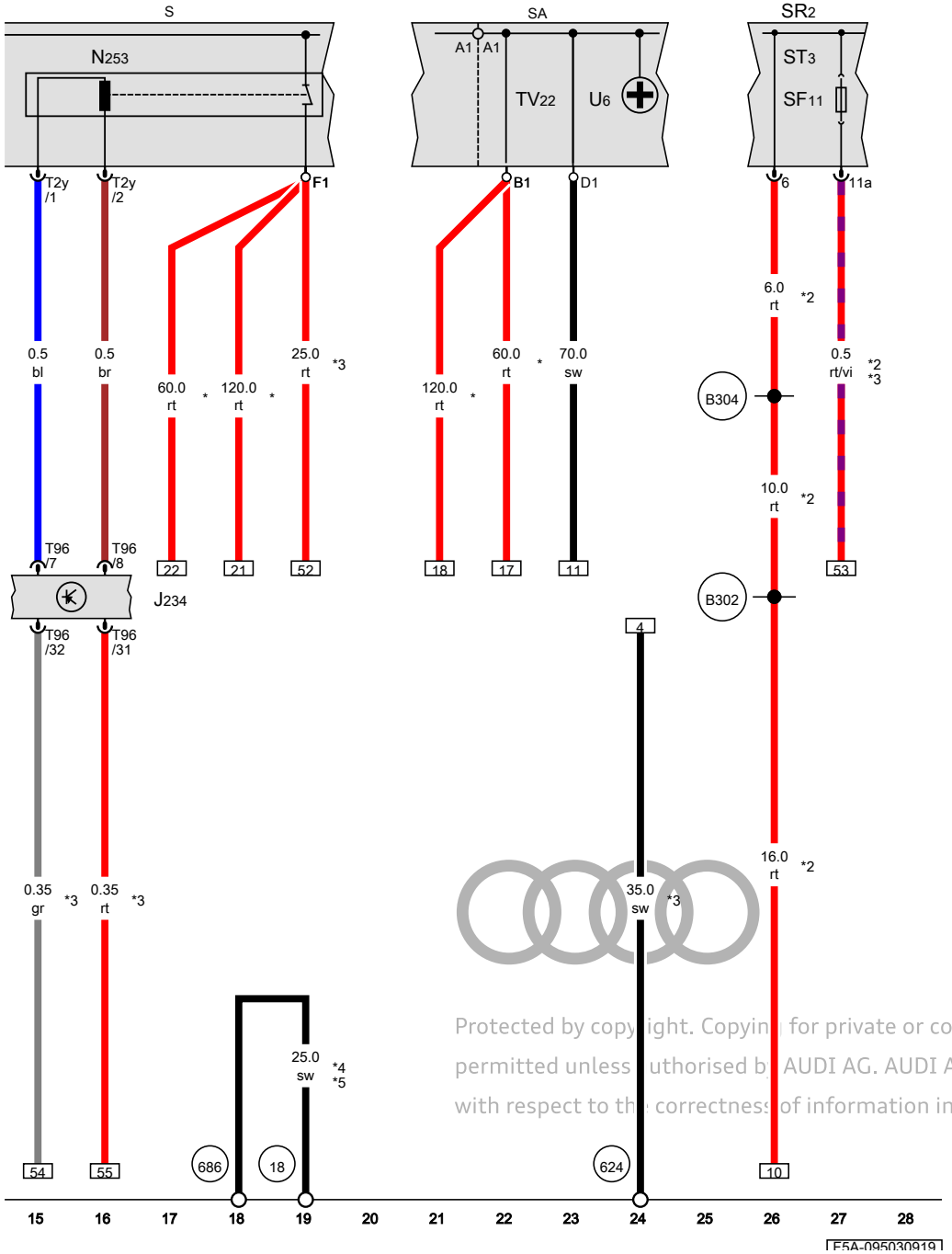

Fuses in fuse holder, Fuse holder A, Relay and fuse carrier 2

J234	Airbag control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
SA	Fuse holder A, front right in engine compartment
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
ST3	Fuse carrier 3, brown
SF11	Fuse 11 in fuse holder F
T2y	2-pin connector, yellow
TV22	Terminal 30 wiring junction 2
T96	96-pin connector, yellow
U6	Jump start socket
18	Earth point, on cylinder block
624	Earth point, starter battery
686	Earth point 2, on front of right longitudinal member
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	According to equipment
*2	see applicable current flow diagram for fuse assignment
*3	For models with 12 V hybrid system
*4	Cross-section 35.0 possible
*5	Different wire colour possible

ws	=	white
sw	=	black
ro	=	red
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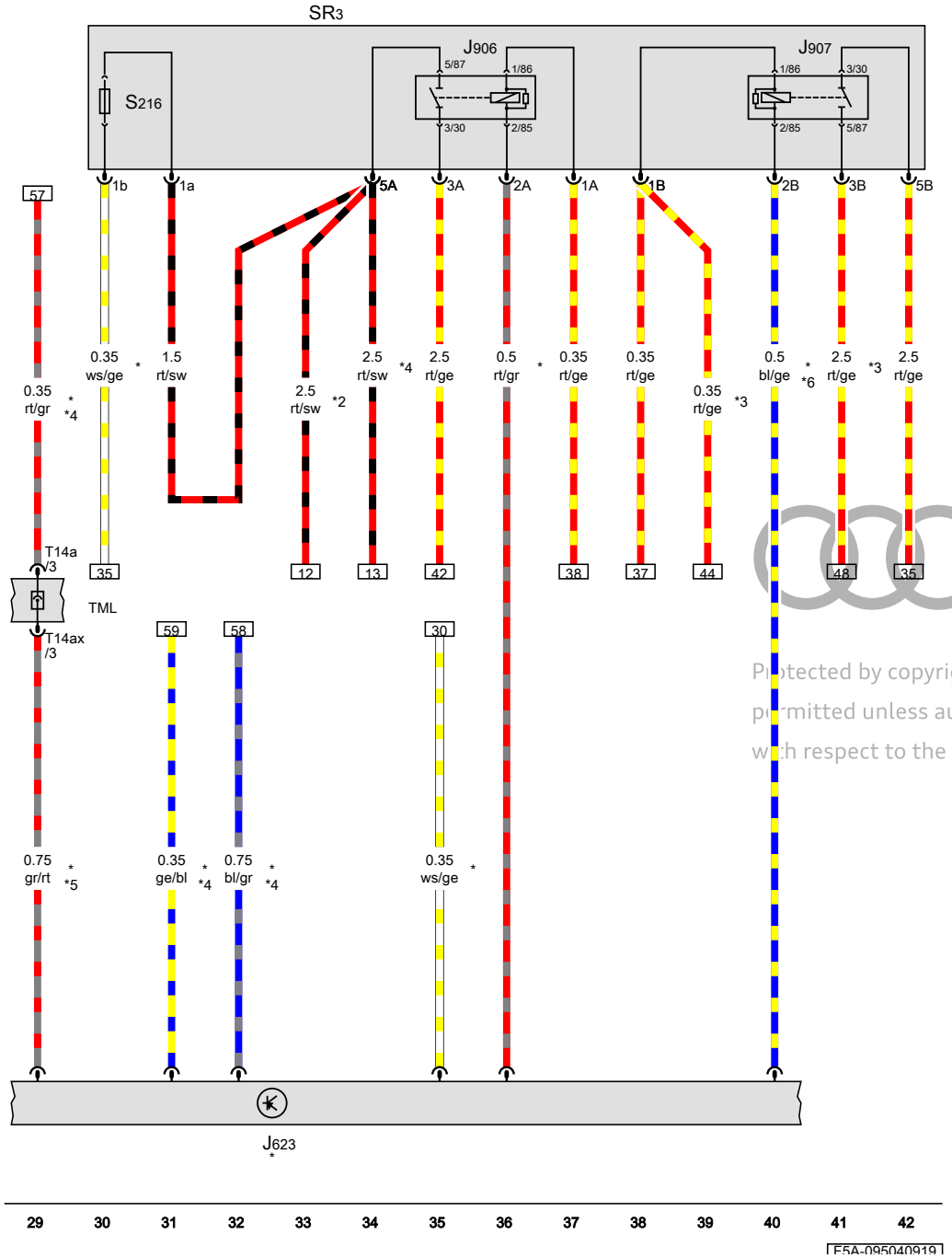

Relay and fuse carrier 3

J623	Engine/motor control unit
J906	Starter relay 1
J907	Starter relay 2
SR3	Relay and fuse carrier 3, central in plenum chamber
S216	Fuse (50)
T14a	14-pin connector, black
T14ax	14-pin connector, black
TML	Coupling point in engine compartment, left
*	see applicable current flow diagram for engine
*2	For models with no 12 V hybrid system
*3	see applicable current flow diagram for fuse assignment
*4	For models with 12 V hybrid system
*5	According to equipment
*6	Different wire colour possible

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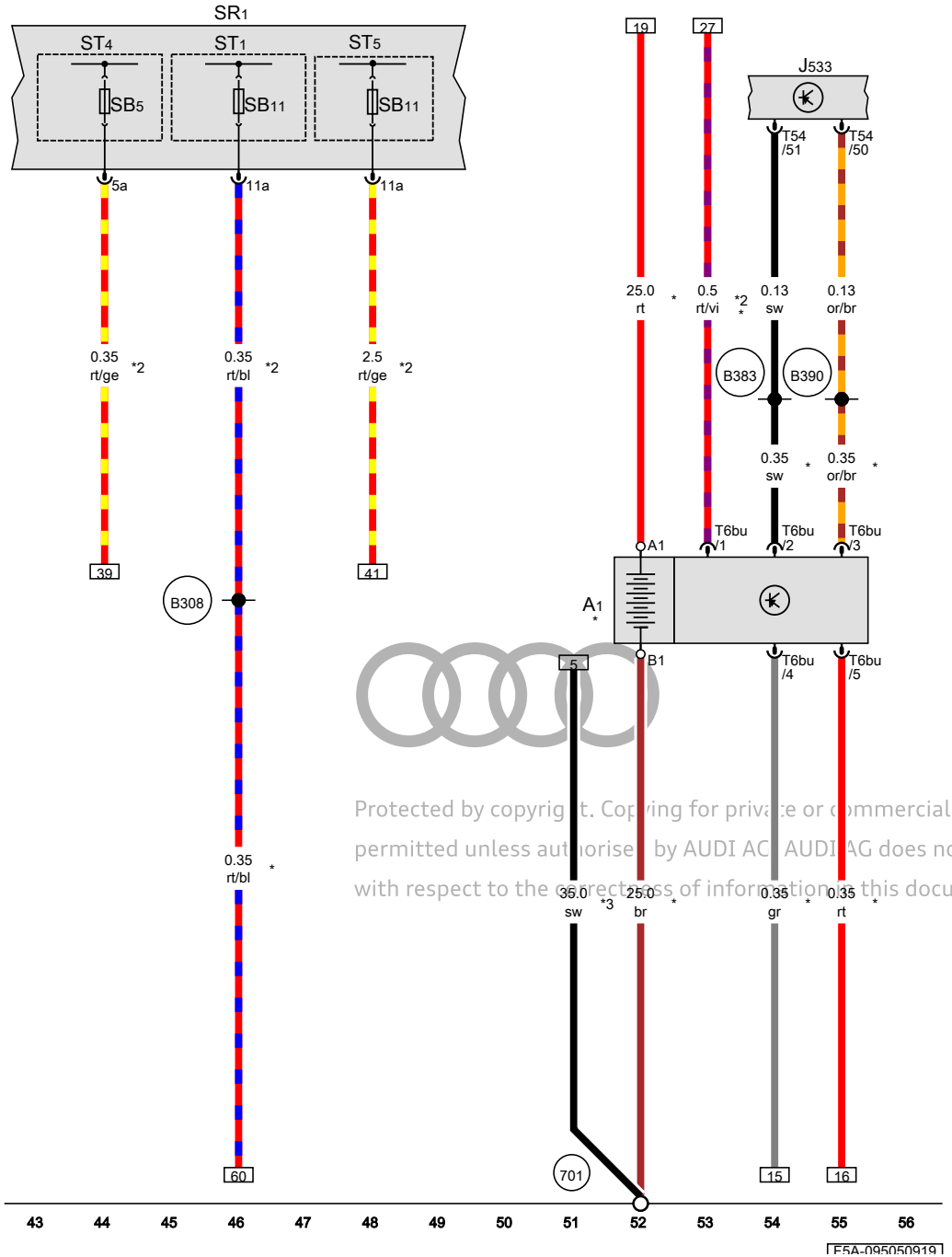

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Second battery, Data bus diagnostic interface, Relay and fuse carrier 1

A1	Second battery
J533	Data bus diagnostic interface
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST1	Fuse carrier 1, brown
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5, red
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
T6bu	6-pin connector, black
T54	54-pin connector
701	Earth point in luggage compartment
B308	Positive connection 12 (30), in main wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	For models with 12 V hybrid system
*2	see applicable current flow diagram for fuse assignment
*3	For models with no 12 V hybrid system

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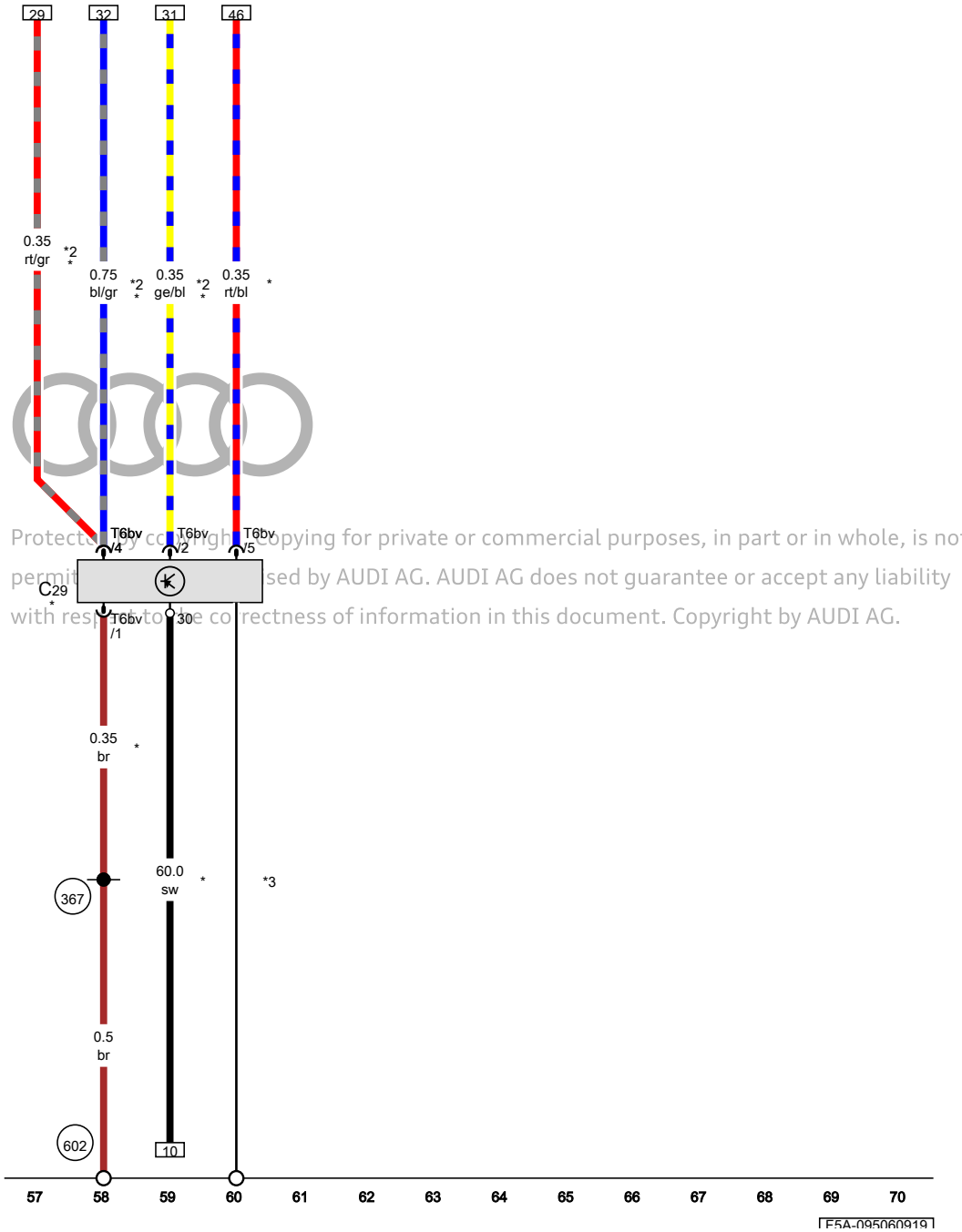
or	=	orange
rs	=	pink



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Starter-alternator

C29	Starter-alternator
T6bv	6-pin connector, black
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
*	For models with 12 V hybrid system
*2	see applicable current flow diagram for engine
*3	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

48 V system , (0K4),(VH2)

From May 2018

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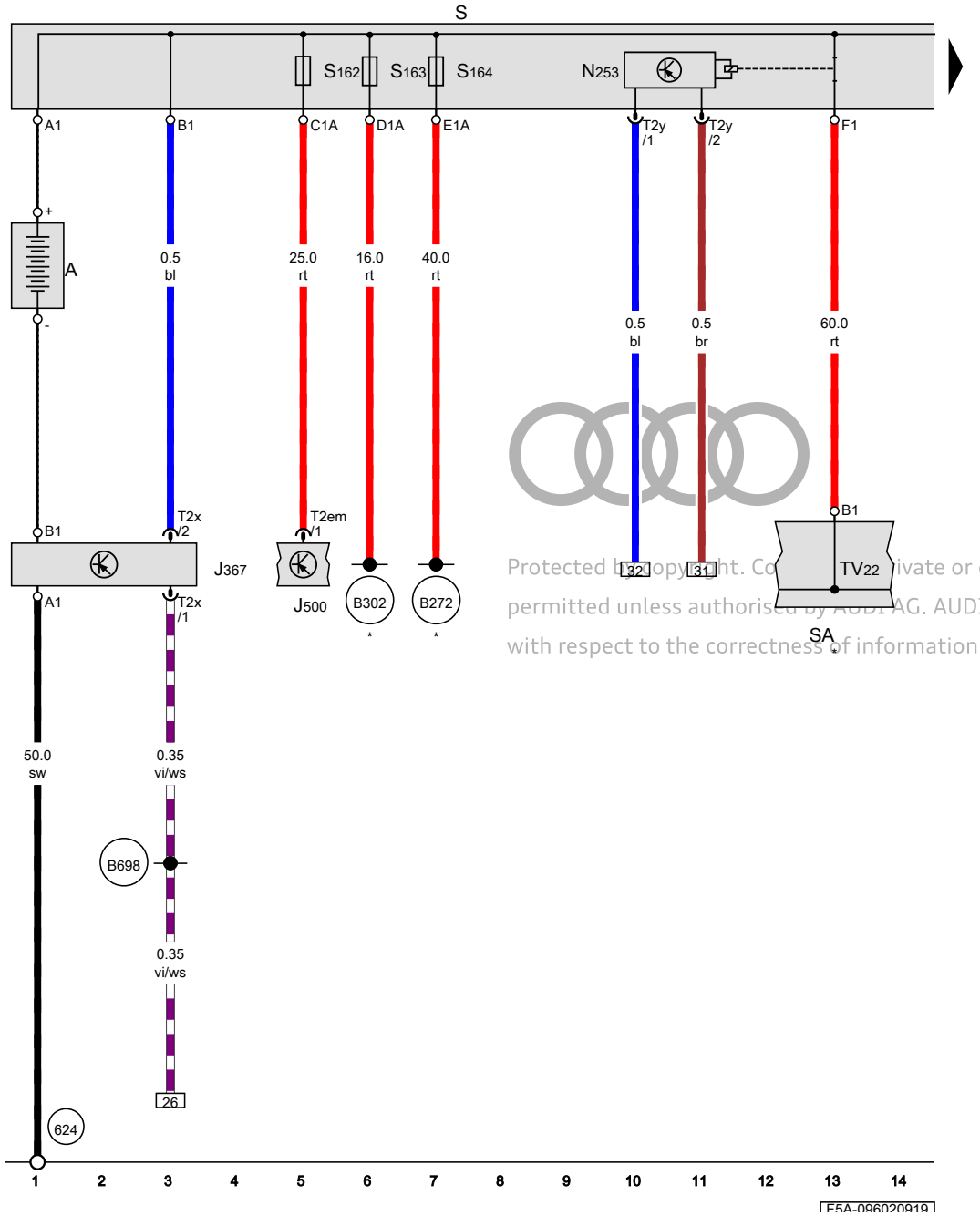

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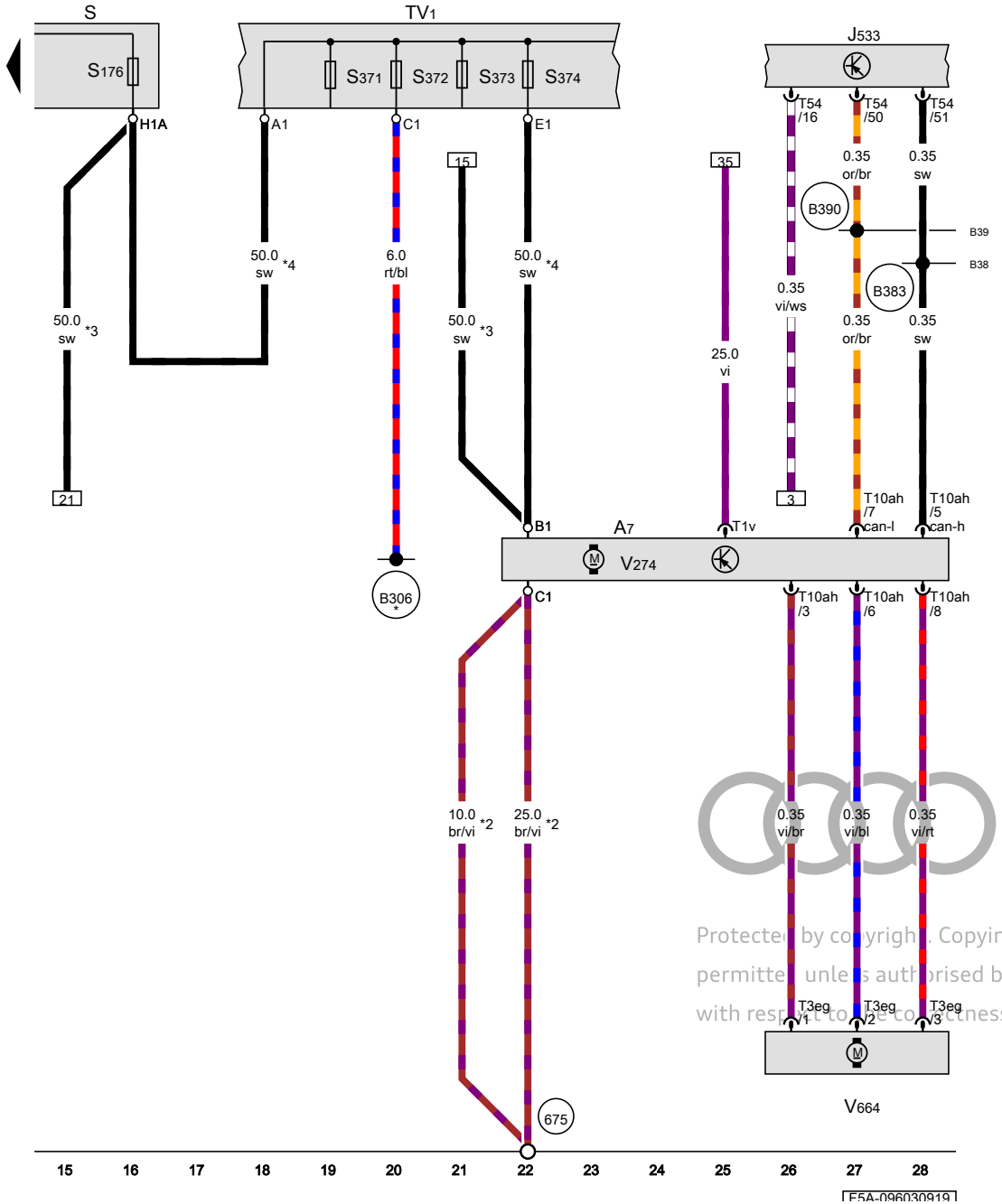
Battery, Battery monitor control unit, Battery isolation igniter, Fuses in fuse holder

A	Battery
J367	Battery monitor control unit
J500	Power steering control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S162	Fuse 1 (30), in battery fuse holder
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
SA	Fuse holder A
T2em	2-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
TV22	Terminal 30 wiring junction 2
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Voltage converter (48 V/12 V), Data bus diagnostic interface, Fuses in fuse holder, Voltage converter fan

A7	Voltage converter (48 V/12 V)
J533	Data bus diagnostic interface
S	Fuses in fuse holder, on fuse holder, battery
S176	Fuse 4 (30), in battery fuse holder
S371	Fuse 1 on wiring junction
S372	Fuse 2 on wiring junction
S373	Fuse 3 on wiring junction
S374	Fuse 4 on wiring junction
T1v	1-pin connector
T3eg	3-pin connector, black
T10ah	10-pin connector, black
TV1	Wiring junction, near battery
T54	54-pin connector, black
V274	Fan for control unit
V664	Voltage converter fan
675	Earth point 2, on right in luggage compartment
B306	Positive connection 10 (30), in main wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	For models with heat-reflecting glass
*4	For models with insulated glass

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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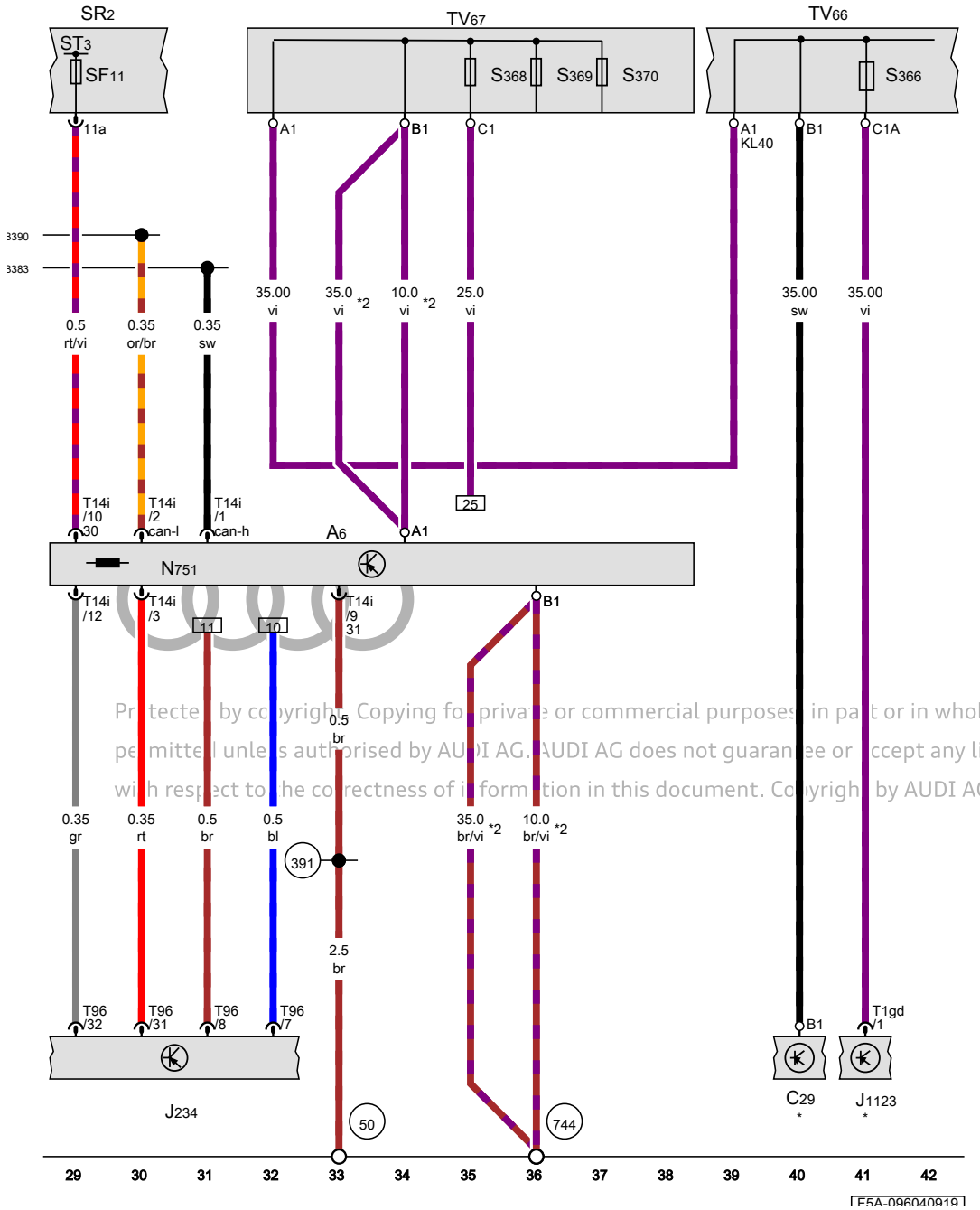

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li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Battery, 48 V, Battery isolation igniter, 48 V, Terminal 40 wiring junction, Terminal 40 wiring junction 2

A6	Battery, 48 V, in luggage compartment
C29	Starter-alternator
J234	Airbag control unit
J1123	Control unit for electric compressor
N751	Battery isolation igniter, 48 V
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF11	Fuse 11 in fuse holder F
S366	Fuse 1 on wiring junction for terminal 40
S368	Fuse 1 on wiring junction 2 for terminal 40
S369	Fuse 2 on wiring junction 2 for terminal 40
S370	Fuse 3 on wiring junction 2 for terminal 40
T1gd	1-pin connector
T14i	14-pin connector, black
TV66	Terminal 40 wiring junction, in engine compartment
TV67	Terminal 40 wiring junction 2, in luggage compartment
T96	96-pin connector, yellow
50	Earth point, on left in luggage compartment
391	Earth connection 26, in main wiring harness
744	Earth point in spare wheel well
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	see applicable current flow diagram for battery
*2	According to equipment

2.0l petrol engine , DLVA,DLVB

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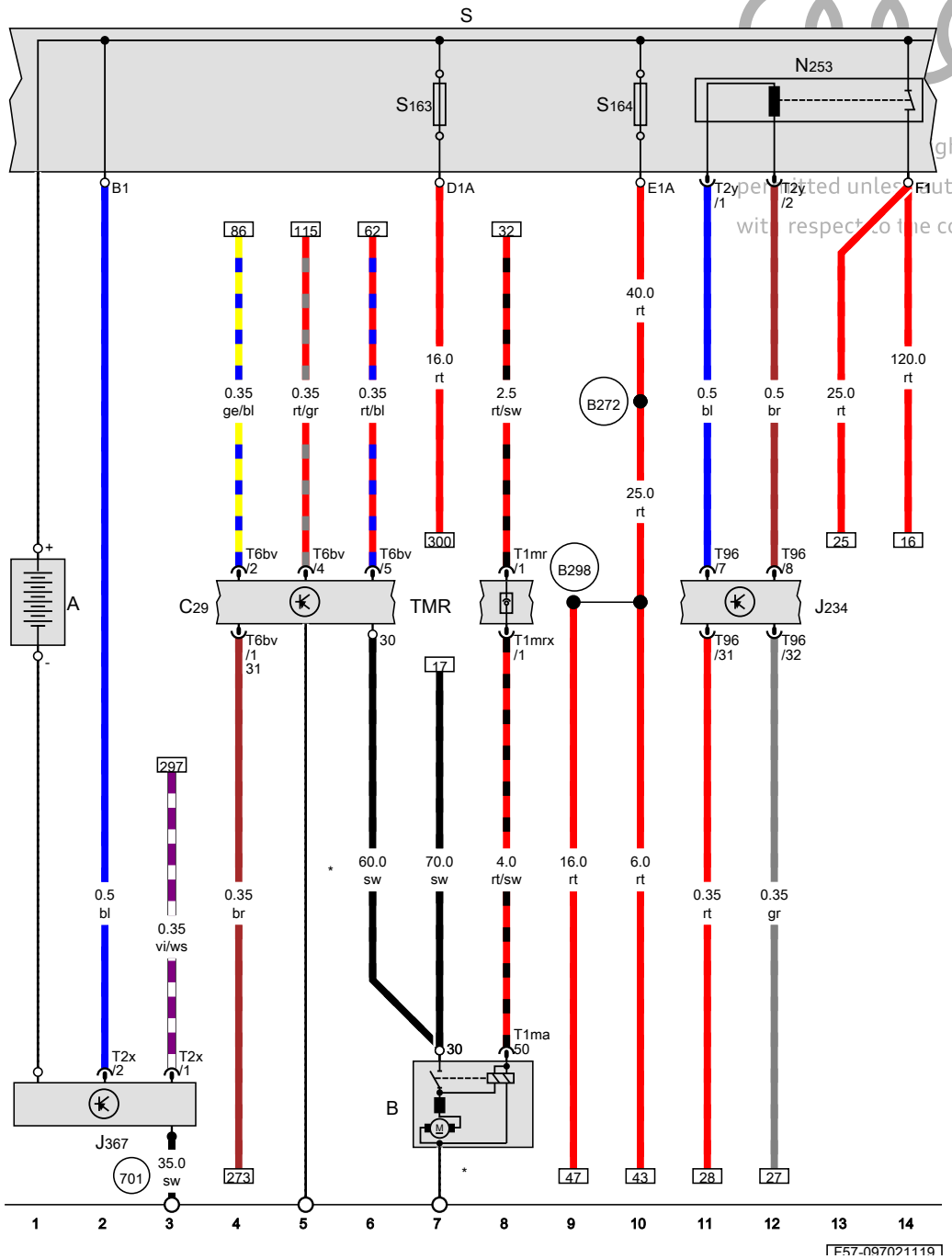

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ro = red
rt = red
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bl = blue
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li = purple
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ge = yellow
or = orange
rs = pink

Battery, Starter, Starter-alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C29	Starter-alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T1mr	1-pin connector, black
T1mrx	1-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T6bv	6-pin connector, black
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
701	Earth point in luggage compartment
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
*	Earth supply via housing

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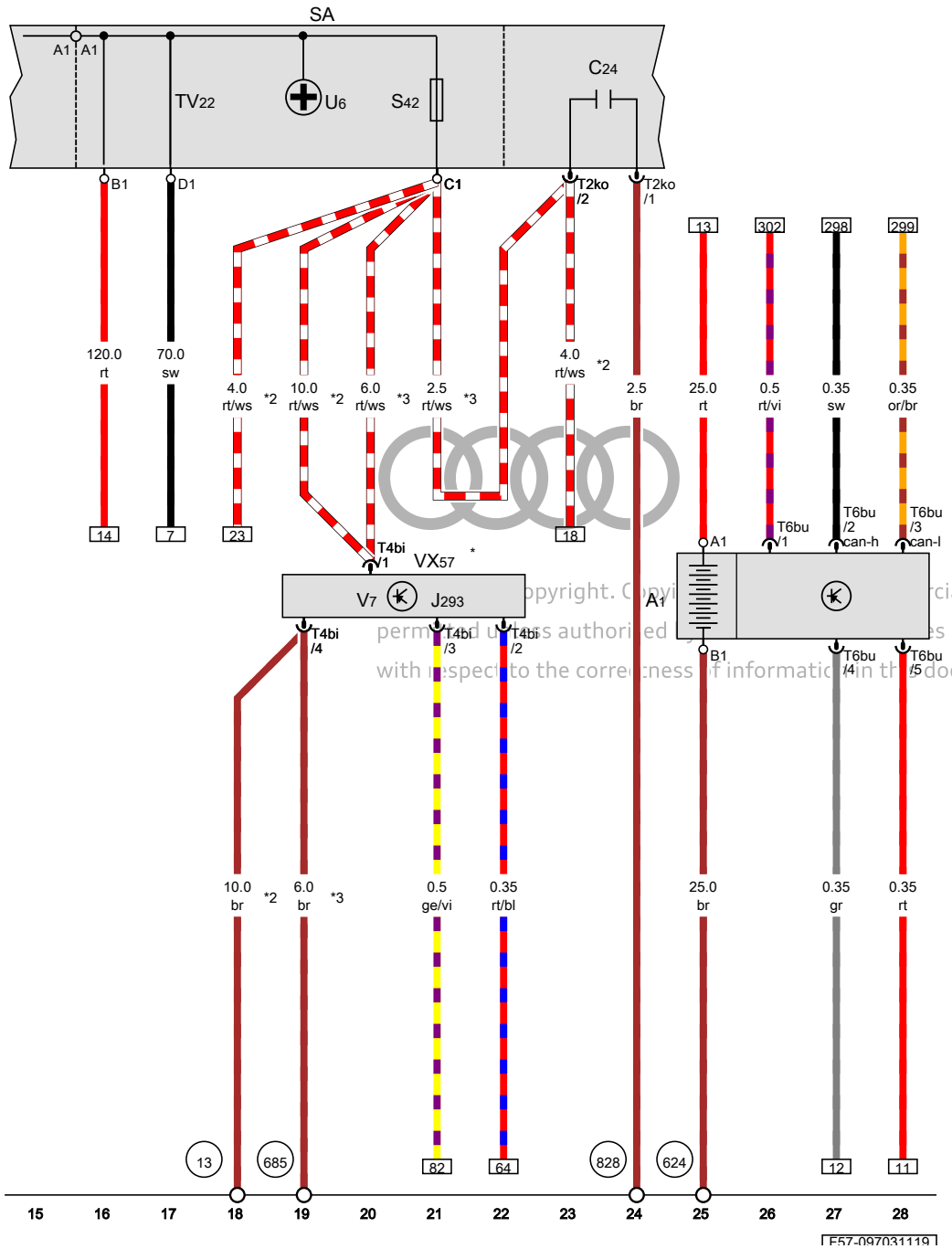

Second battery, Fuse holder A, Jump start socket, Radiator fan

A1	Second battery
C24	Suppression filter
J293	Radiator fan control unit
S42	Radiator fan single fuse
SA	Fuse holder A, front right in engine compartment
T2ko	2-pin connector, black
T4bi	4-pin connector, black
T6bu	6-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
13	Earth point, on right in engine compartment
624	Earth point, starter battery
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with increased fan output
*3	For models with low fan output

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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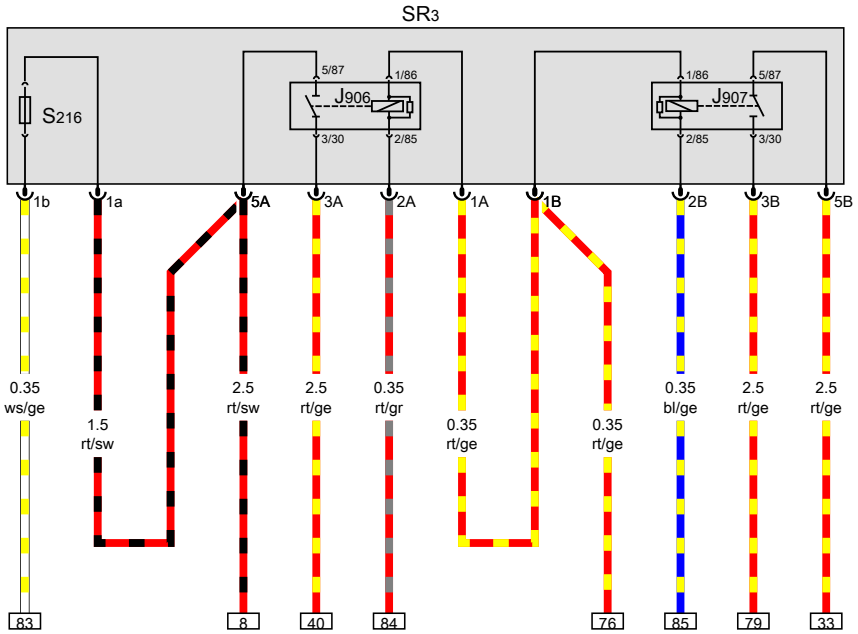

Starter relay 1, Starter relay 2, Relay and fuse carrier 3, Fuse (50)

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S216	Fuse (50), central in plenum chamber

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29 30 31 32 33 34 35 36 37 38 39 40 41 42

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
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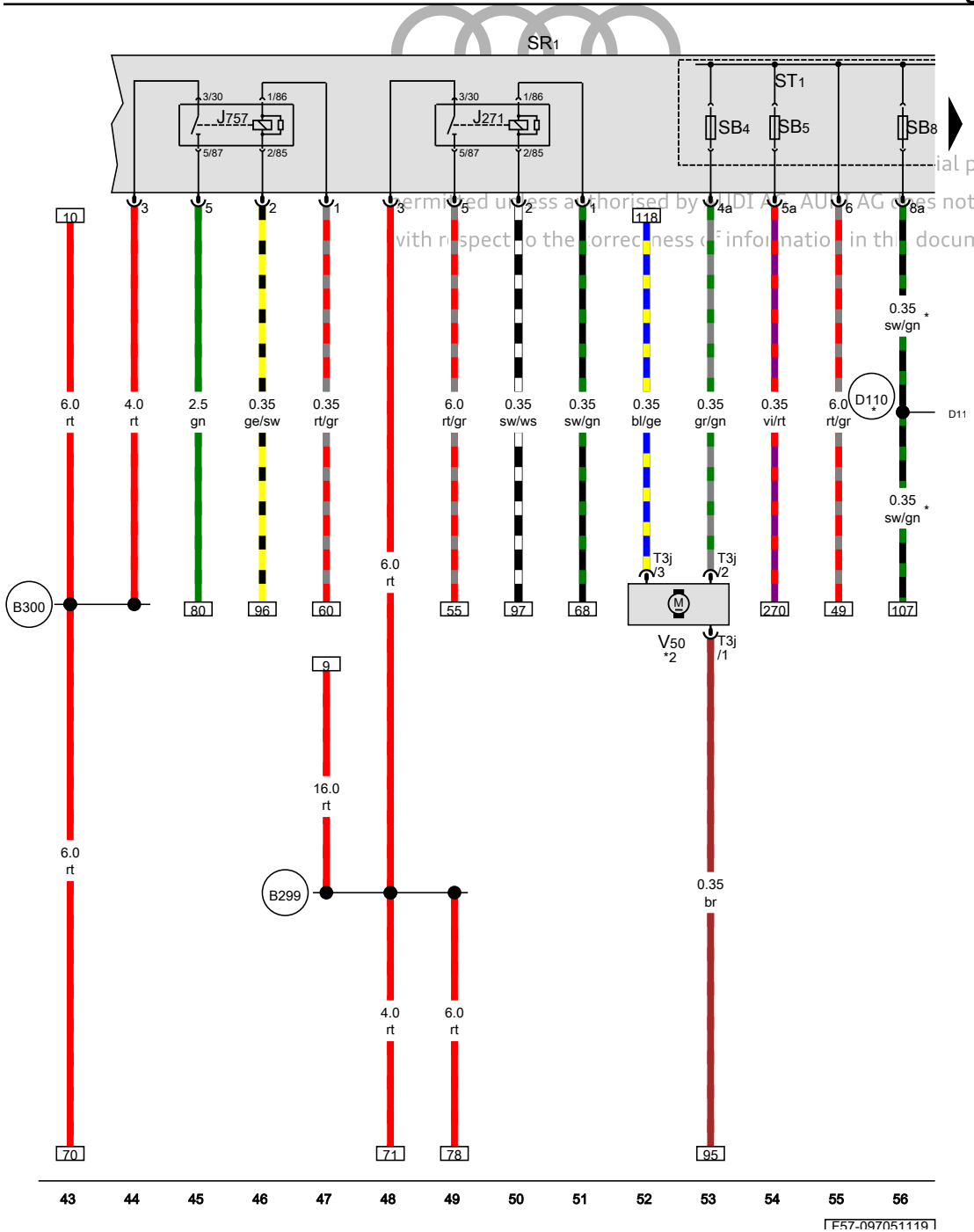

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Main relay, Engine component current supply relay, Relay and fuse carrier 1, Coolant circulation pump

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB8	Fuse 8 on fuse holder B
T3j	3-pin connector, black
V50	Coolant circulation pump
B299	Positive connection 3 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	Heater support function

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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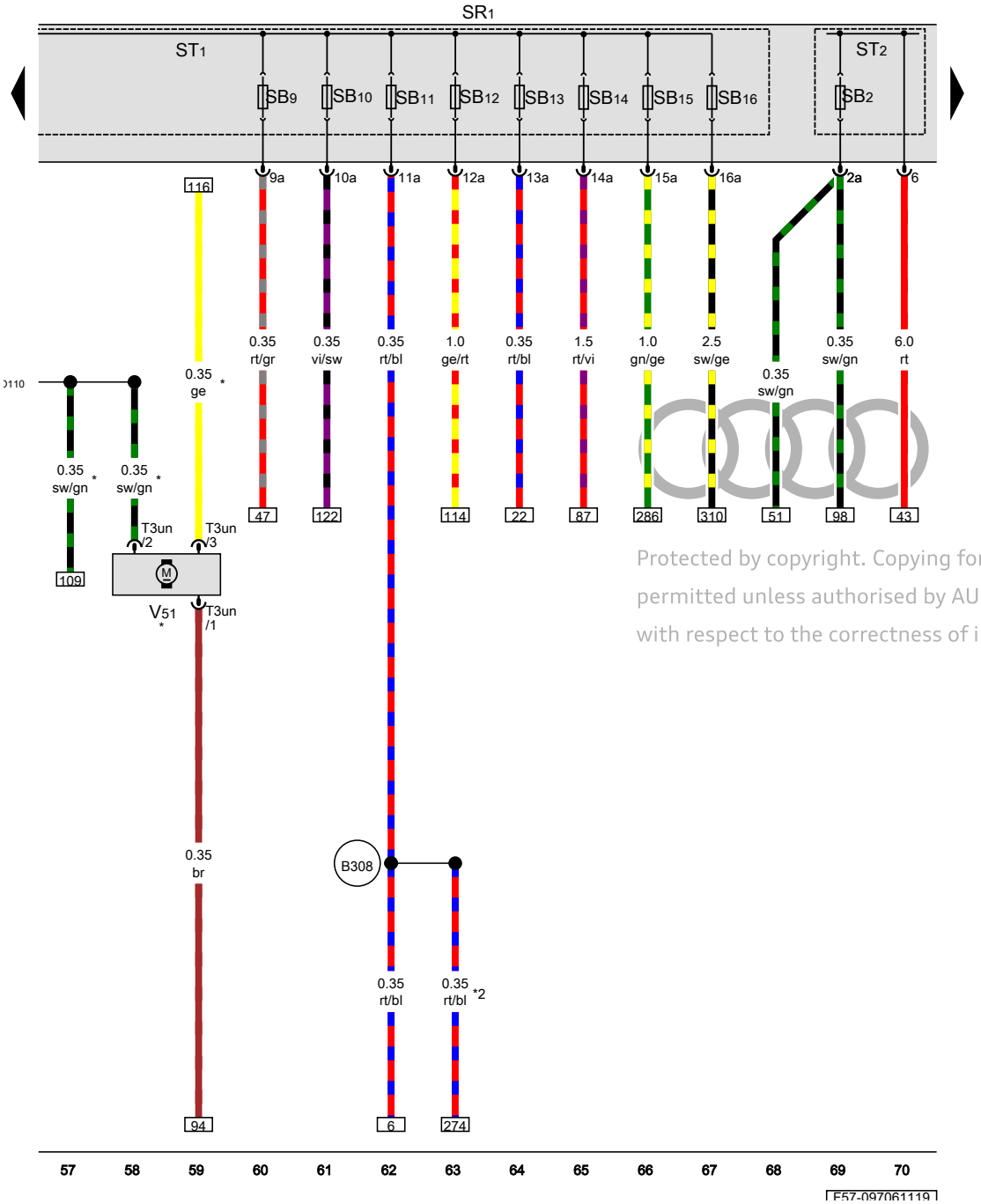

Relay and fuse carrier 1, Continued coolant circulation pump

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
T3un	3-pin connector, black
V51	Continued coolant circulation pump
B308	Positive connection 12 (30), in main wiring harness
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	For models with manual gearbox

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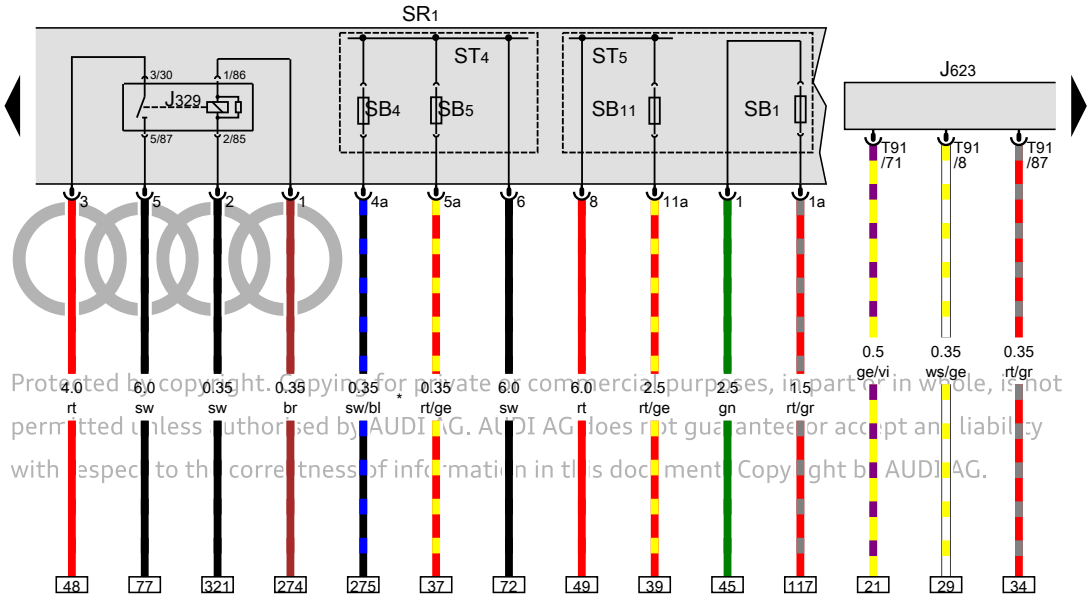
ge	=	yellow
or	=	orange
rs	=	pink



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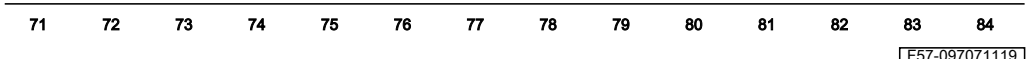

Terminal 15 voltage supply relay, Engine/motor control unit, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
J623	Engine/motor control unit, front left in engine compartment
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5, red
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
T91	91-pin connector, black
*	For models with manual gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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ge	=	yellow
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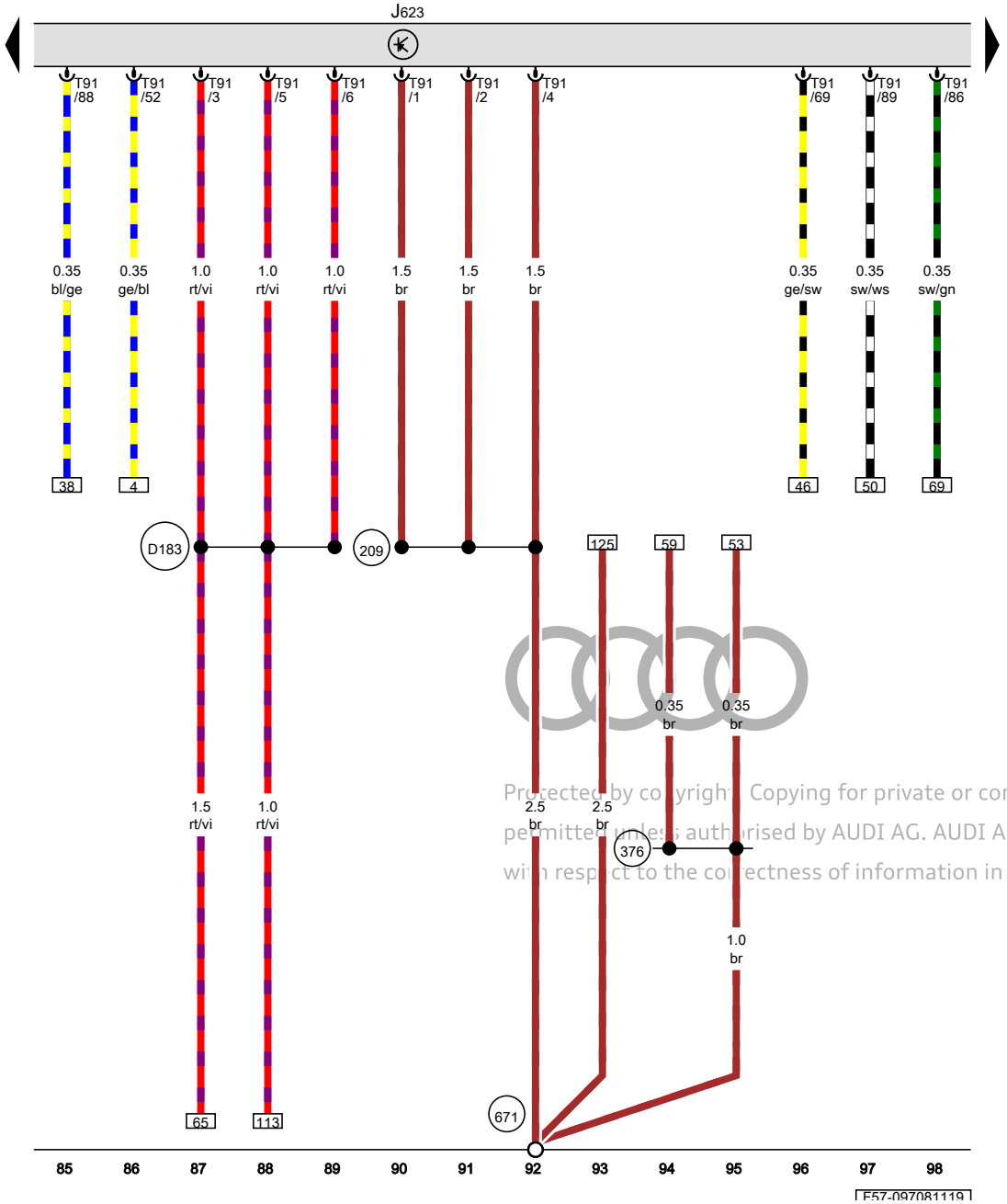

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Engine/motor control unit

J623	Engine/motor control unit, front left in engine compartment
T91	91-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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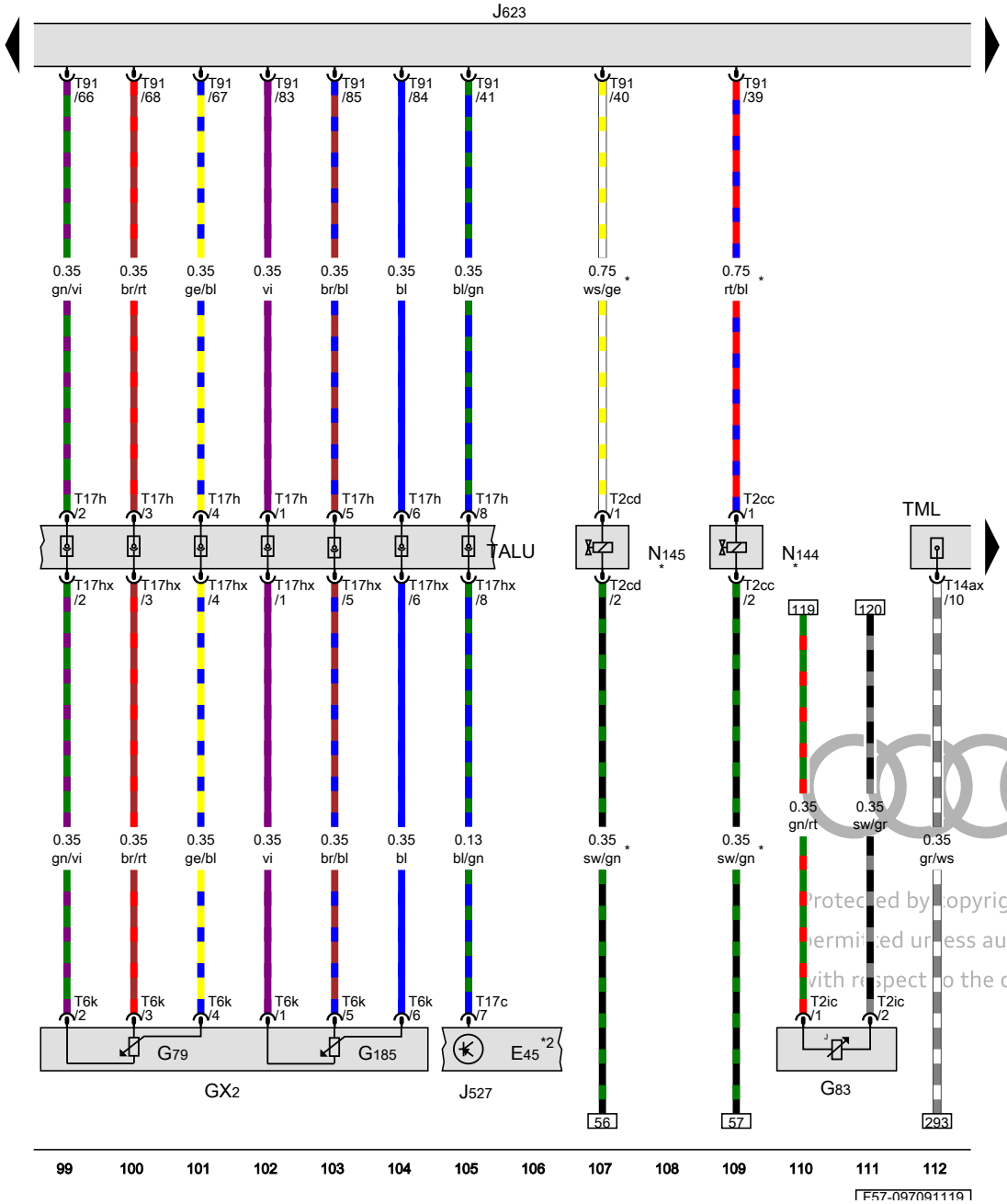
or	=	orange
rs	=	pink



Accelerator pedal module, Radiator outlet coolant temperature sender, Steering column electronics control unit, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G83	Radiator outlet coolant temperature sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T2ic	2-pin connector, black
T6k	6-pin connector, black
T14ax	14-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TML	Coupling point in engine compartment, left
*	For models with automatic gearbox
*2	For models with cruise control system (CCS)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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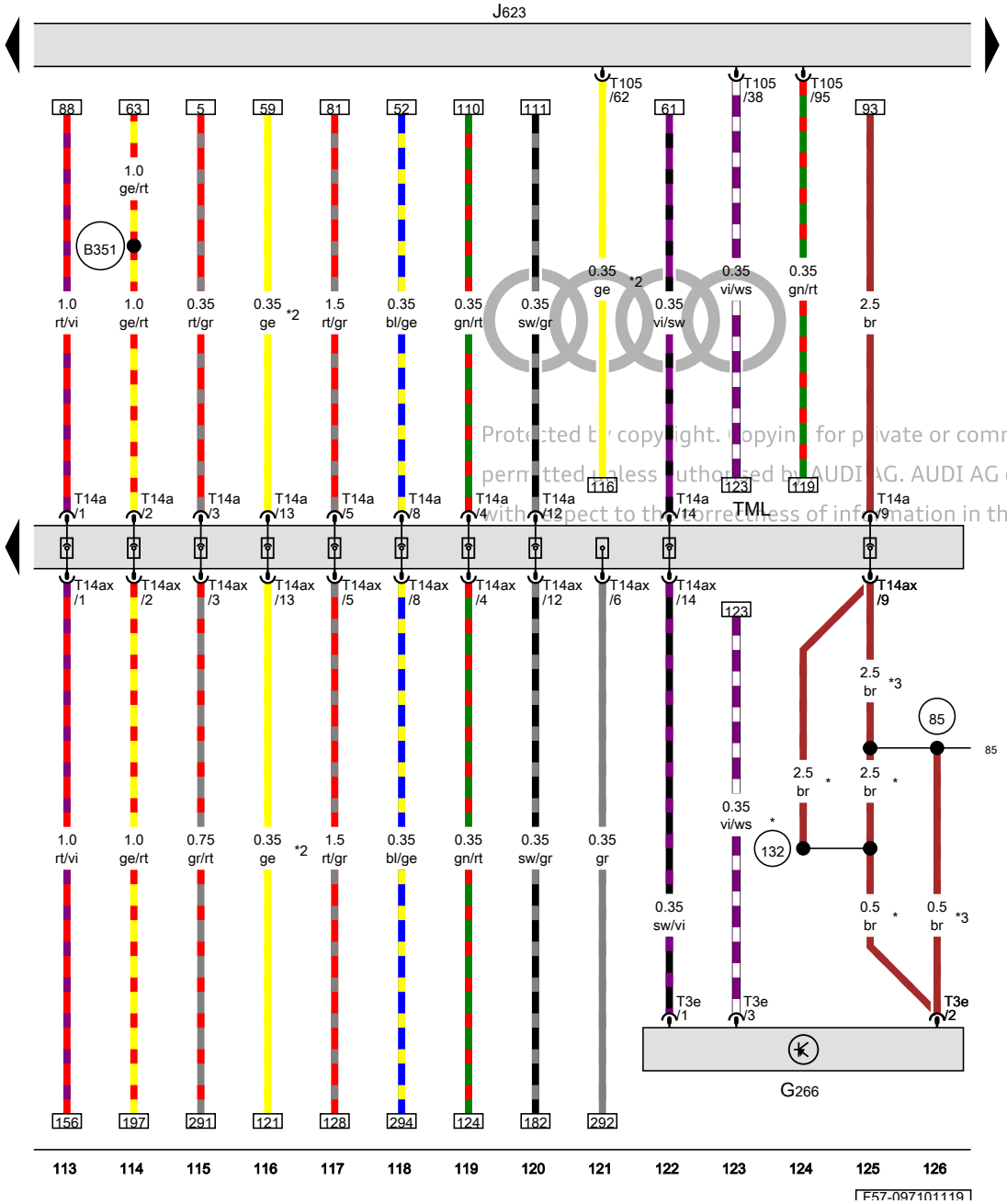
Oil level and oil temperature sender, Engine/motor control unit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
B351	Positive connection 2 (87a) in main wiring harness
*	Gradually discontinued
*2	For models with automatic gearbox
*3	gradual introduction



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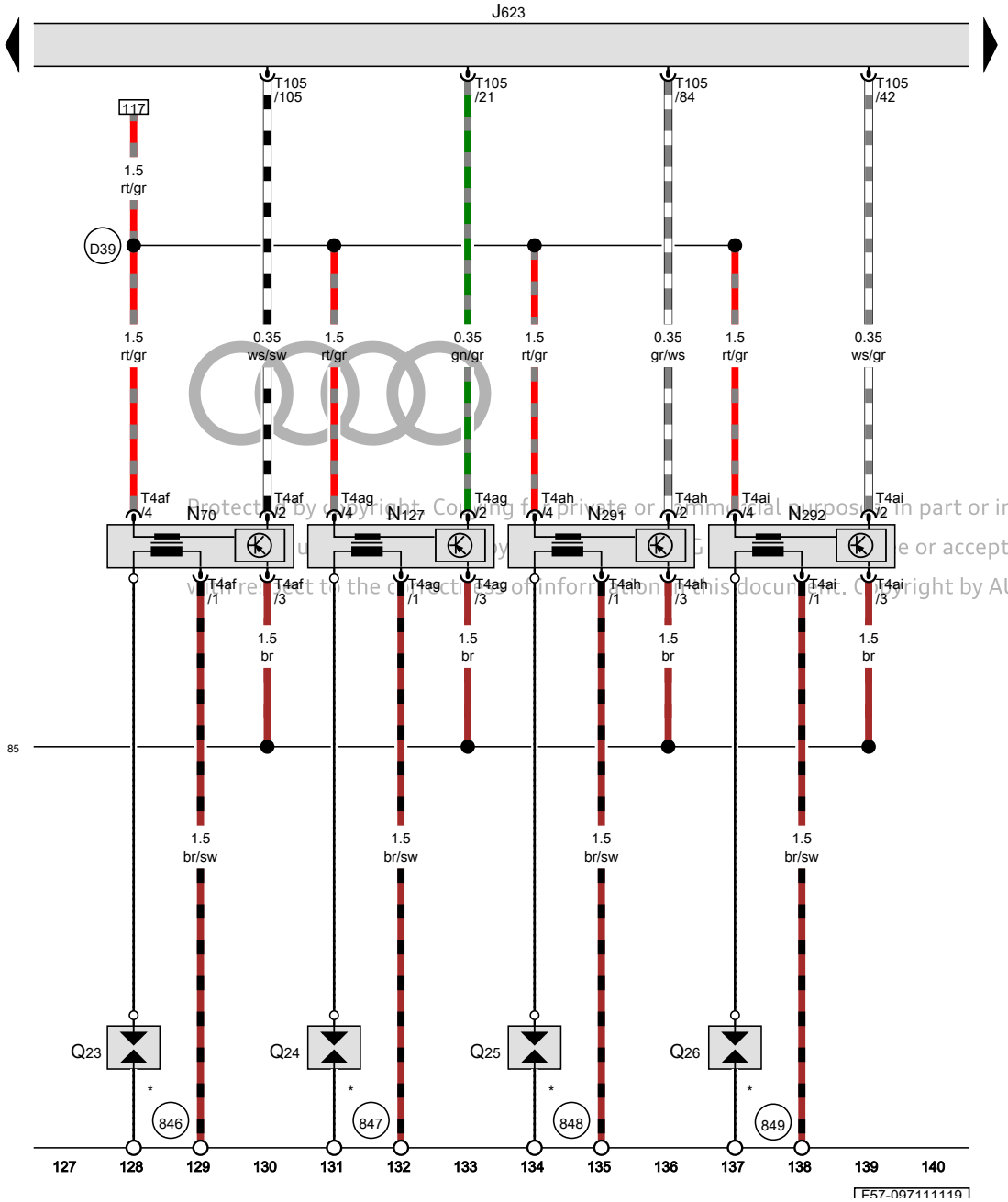

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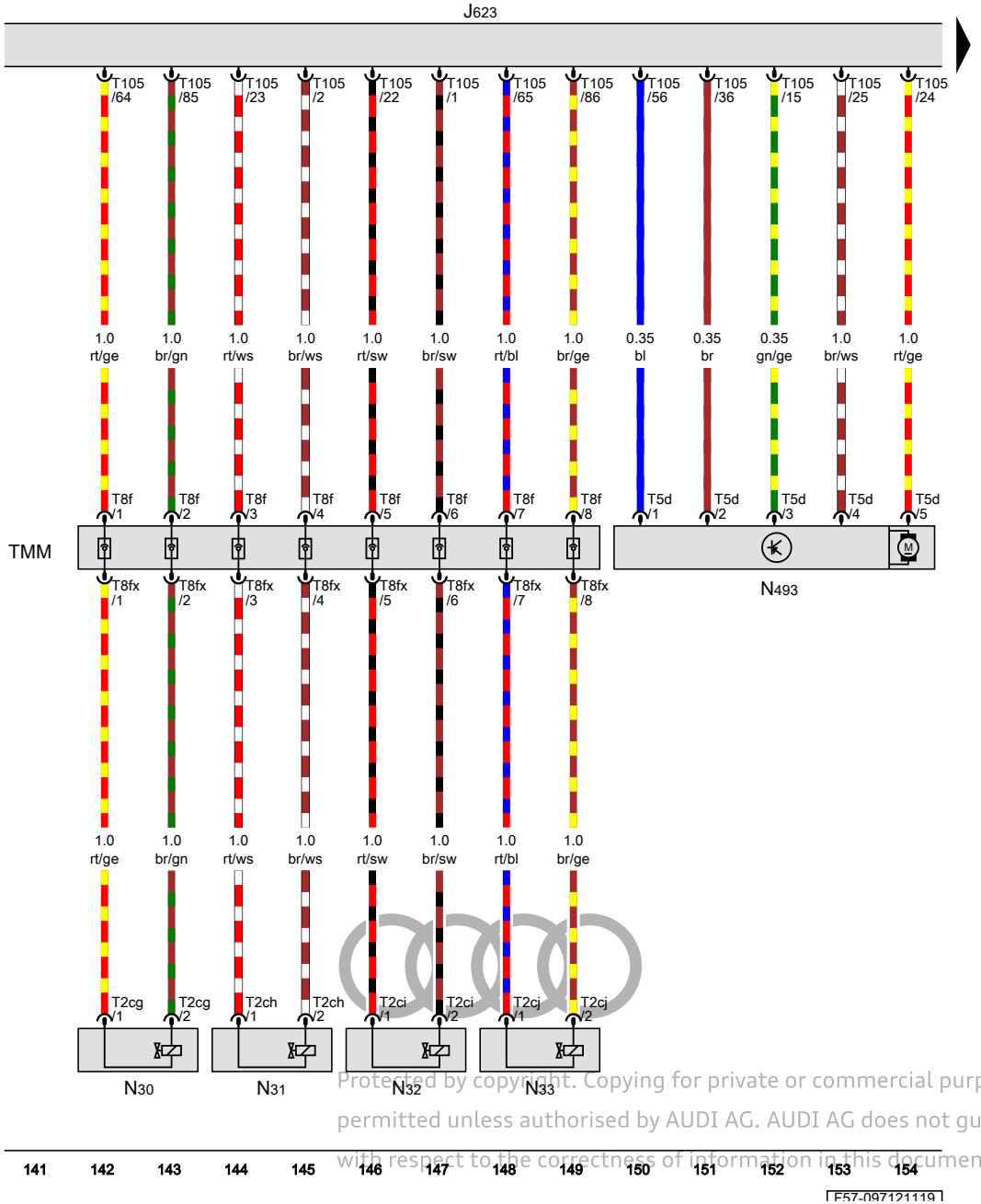
Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing



Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Actuator for engine temperature regulation

J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N493	Actuator for engine temperature regulation
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T5d	5-pin connector, black
T8f	8-pin connector, black
T8fx	8-pin connector, black
T105	105-pin connector, black
TMM	Coupling point in engine compartment, centre

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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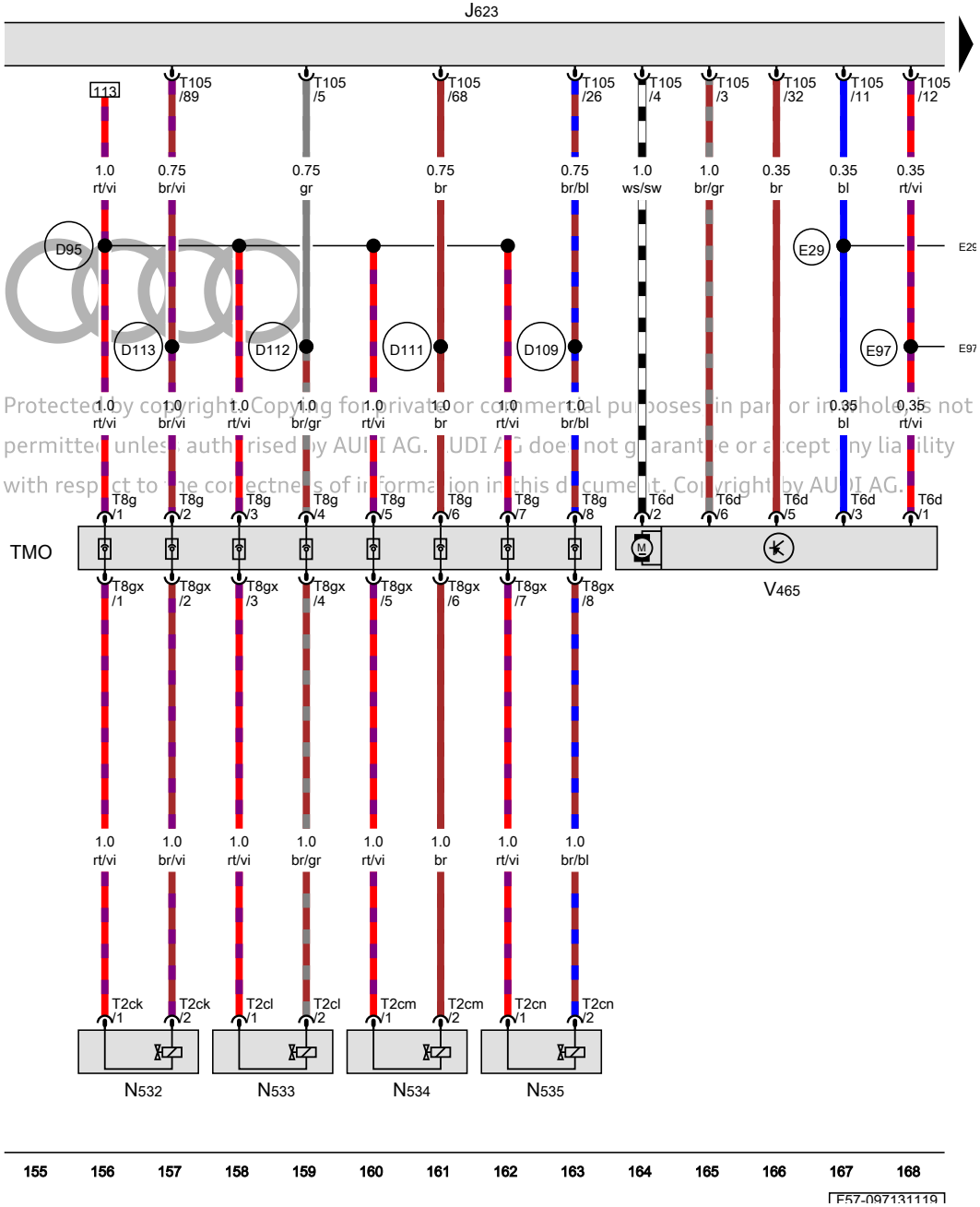

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rt = red
br = brown
gn = green
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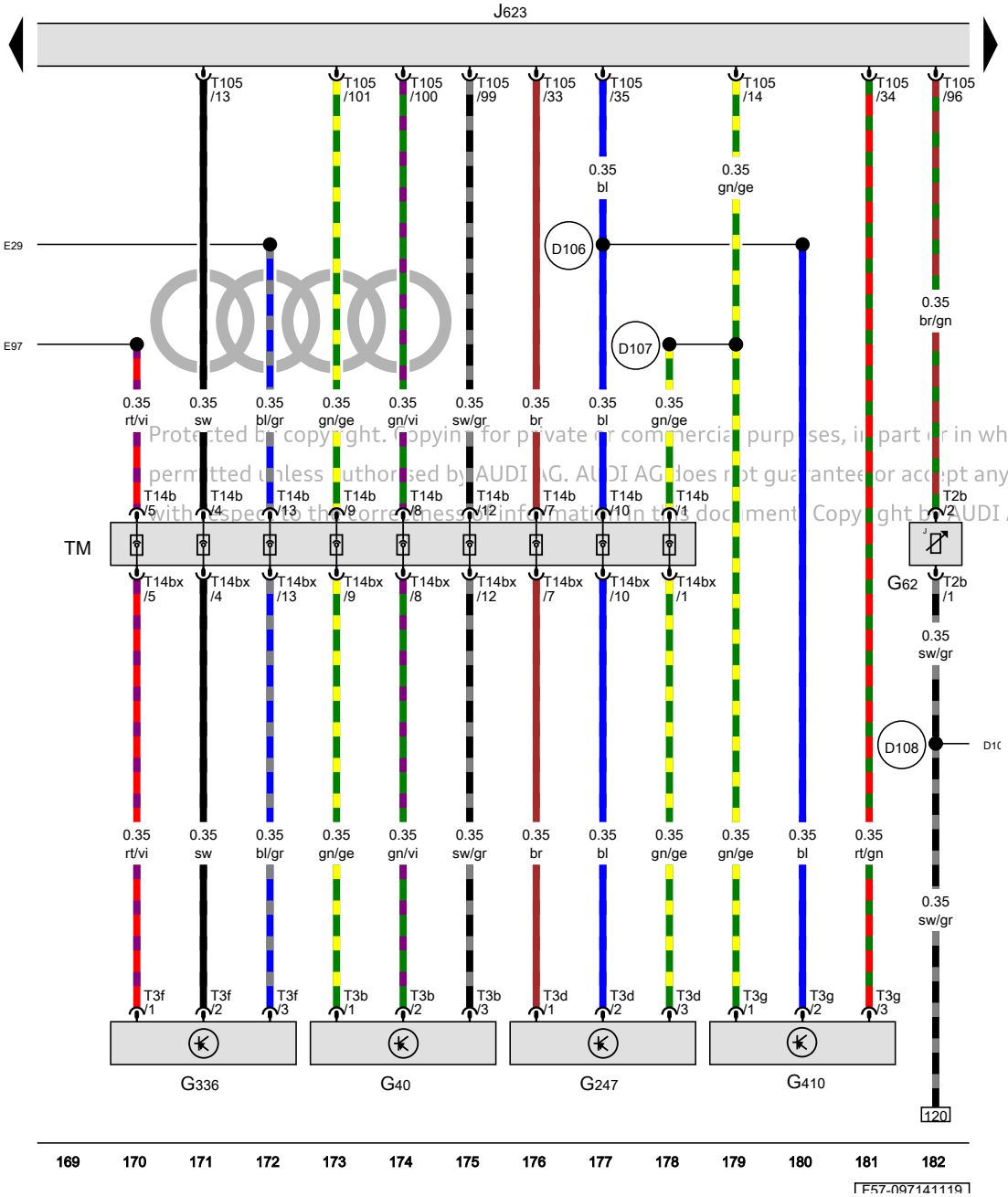
rs = pink

Engine/motor control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4, Charge pressure positioner

J623	Engine/motor control unit, front left in engine compartment
N532	Injector 2, cylinder 1
N533	Injector 2, cylinder 2
N534	Injector 2, cylinder 3
N535	Injector 2, cylinder 4
T2ck	2-pin connector, black
T2cl	2-pin connector, black
T2cm	2-pin connector, black
T2cn	2-pin connector, black
T6d	6-pin connector, grey
T8g	8-pin connector, black
T8gx	8-pin connector, black
T105	105-pin connector, black
TMO	Coupling point on engine, top
V465	Charge pressure positioner
D95	Connection (injectors), in engine compartment wiring harness
D109	Connection 7 in engine compartment wiring harness
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
D113	Connection 11 in engine compartment wiring harness
E29	Connection, in engine wiring harness
E97	Connection 2 in engine wiring harness



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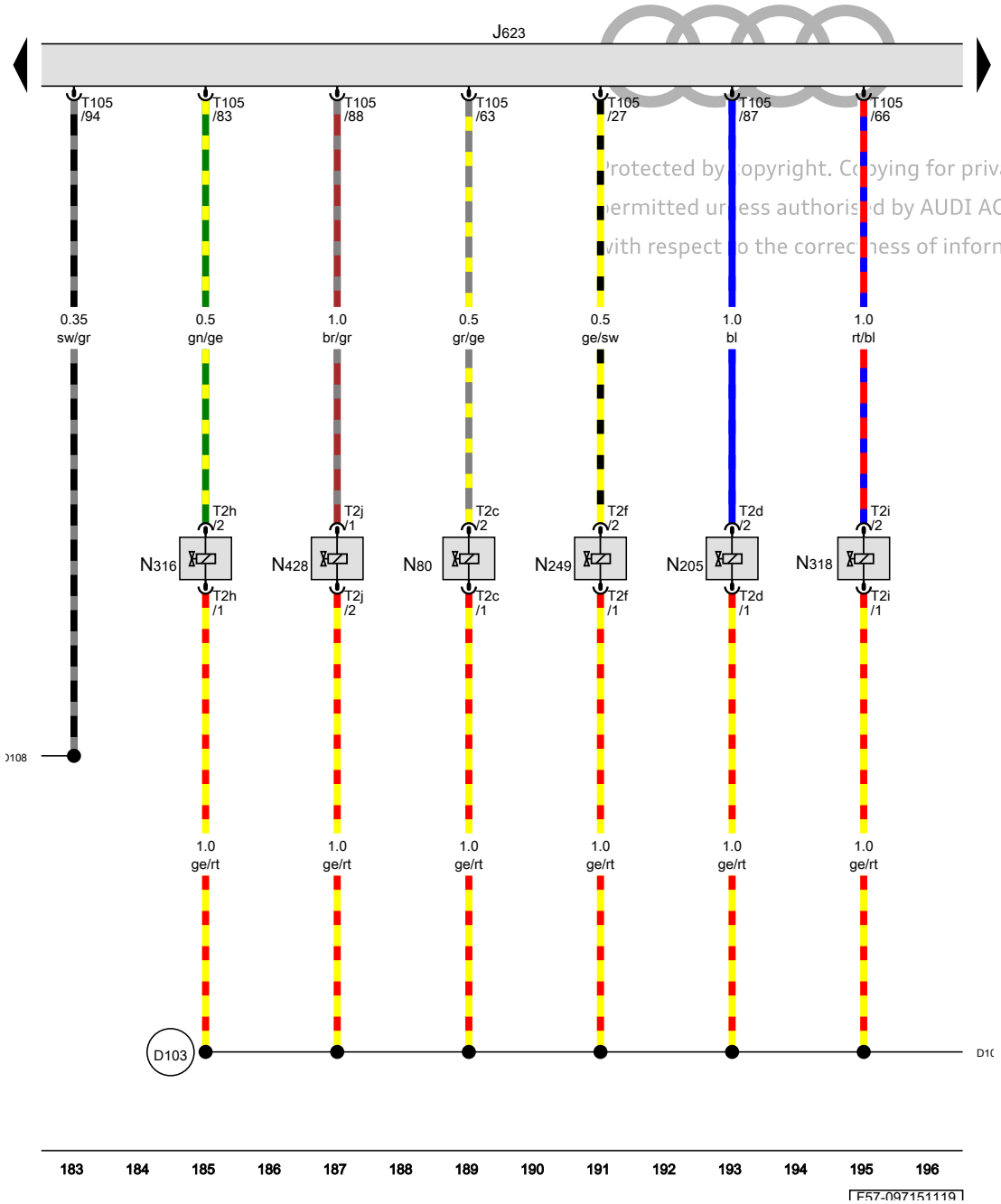
Hall sender, Coolant temperature sender, Fuel pressure sender, Intake manifold flap potentiometer, Fuel pressure sender for low pressure, Engine/motor control unit

G40	Hall sender
G62	Coolant temperature sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, front left in engine compartment
T2b	2-pin connector, black
T3b	3-pin connector, black
T3d	3-pin connector, black
T3f	3-pin connector, black
T3g	3-pin connector, black
T14b	14-pin connector, black
T14bx	14-pin connector, black
T105	105-pin connector, black
TM	Coupling point in engine compartment
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness
E29	Connection, in engine wiring harness
E97	Connection 2 in engine wiring harness



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Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control

J623	Engine/motor control unit, front left in engine compartment
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
T2c	2-pin connector, black
T2d	2-pin connector, black
T2f	2-pin connector, brown
T2h	2-pin connector, black
T2i	2-pin connector, black
T2j	2-pin connector, black
T105	105-pin connector, black
D103	Connection 3 in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness

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sw	=	black
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rt	=	red
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gn	=	green
bl	=	blue
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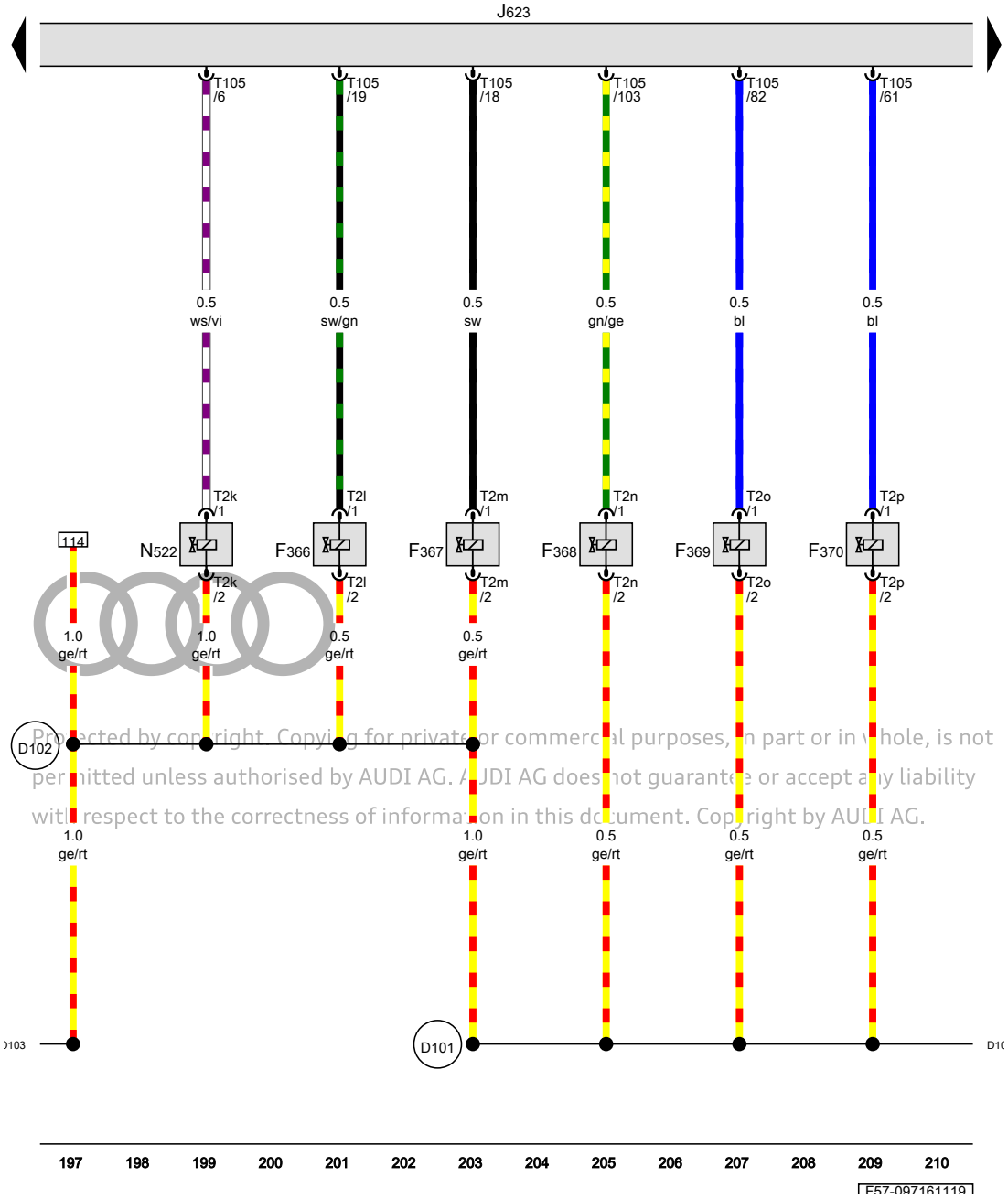

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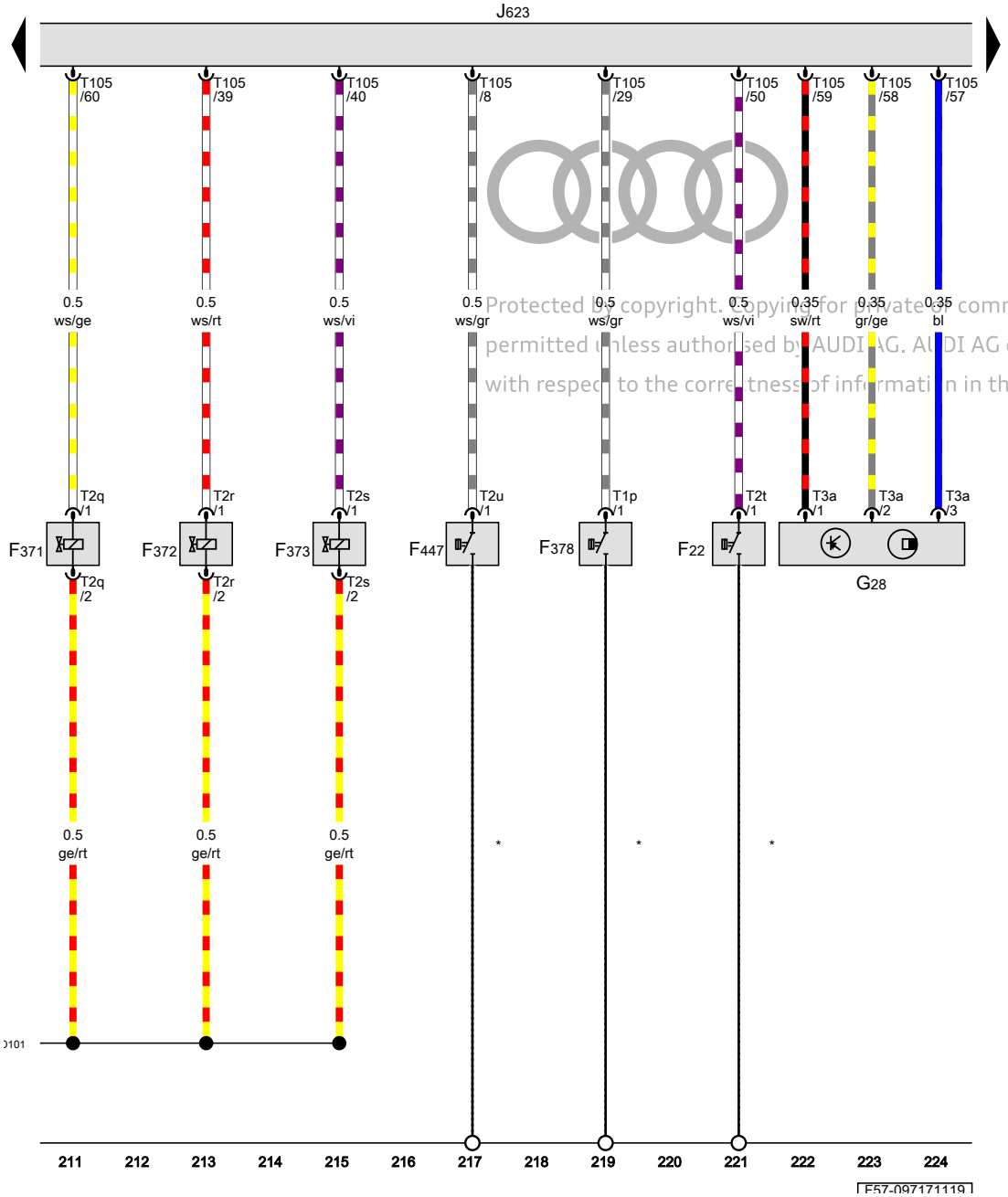
Cam adjustment actuator 1, Cam adjustment actuator 2, Cam adjustment actuator 3, Cam adjustment actuator 4, Cam adjustment actuator 5, Engine/motor control unit, Piston cooling jet control valve

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F370	Cam adjustment actuator 5
J623	Engine/motor control unit, front left in engine compartment
N522	Piston cooling jet control valve
T2k	2-pin connector, black
T2l	2-pin connector, black
T2m	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2p	2-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness
D103	Connection 3 in engine compartment wiring harness



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Oil pressure switch, Cam adjustment actuator 6, Cam adjustment actuator 7, Cam adjustment actuator 8, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Engine speed sender, Engine/motor control unit

F22	Oil pressure switch
F371	Cam adjustment actuator 6
F372	Cam adjustment actuator 7
F373	Cam adjustment actuator 8
F378	Oil pressure switch for reduced oil pressure
F447	Stage 3 oil pressure switch
G28	Engine speed sender
J623	Engine/motor control unit, front left in engine compartment
T1p	1-pin connector, black
T2q	2-pin connector, black
T2r	2-pin connector, black
T2s	2-pin connector, black
T2t	2-pin connector, black
T2u	2-pin connector, black
T3a	3-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
*	Earth supply via housing

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rt	=	red
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gn	=	green
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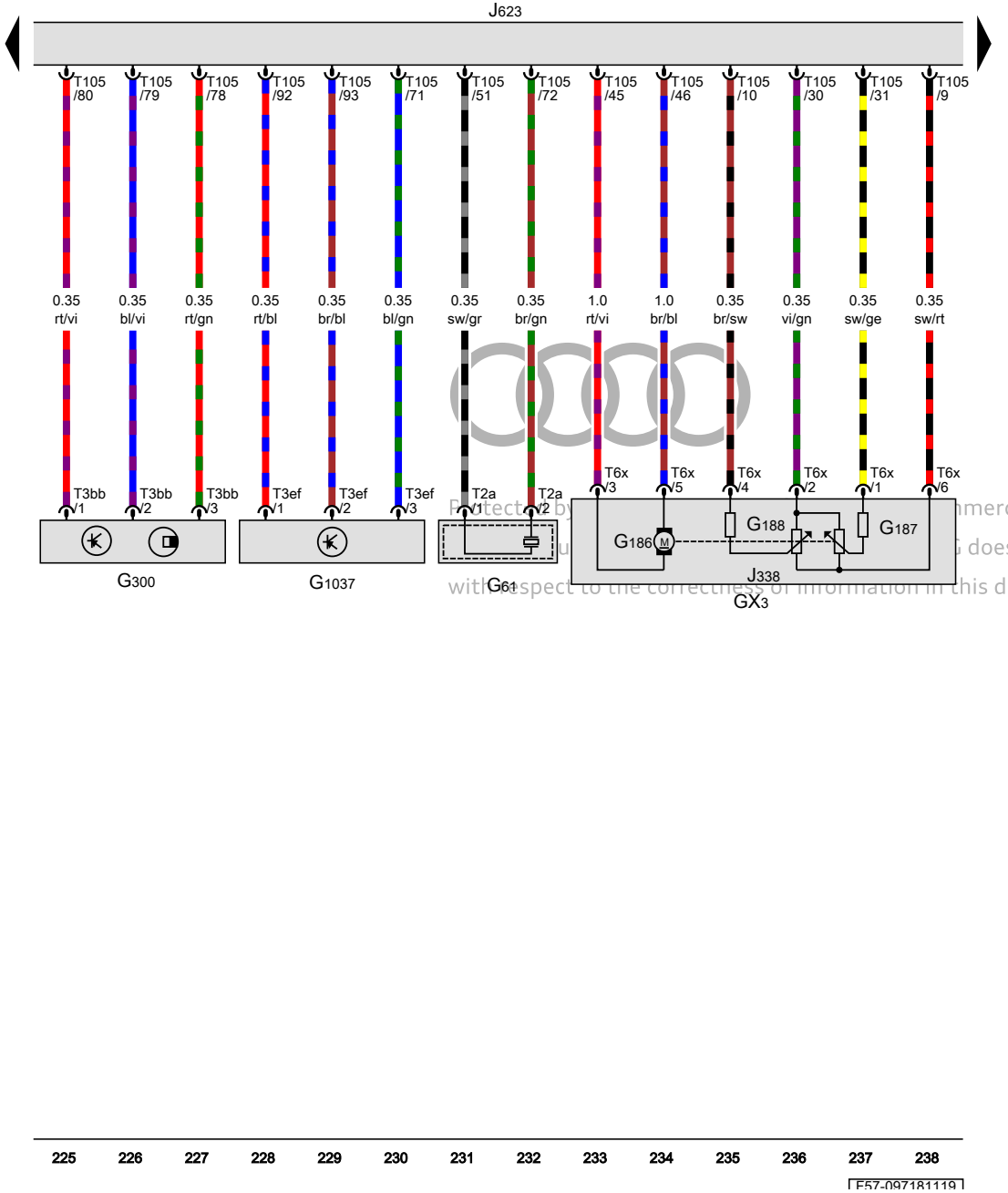
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Throttle valve module, Knock sensor 1, Hall sender 3, Pressure differential sender for particulate filter, Engine/ motor control unit

GX3	Throttle valve module
G61	Knock sensor 1
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
G300	Hall sender 3
G1037	Pressure differential sender for particulate filter
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T2a	2-pin connector, black
T3bb	3-pin connector, black
T3ef	3-pin connector, black
T6x	6-pin connector, black
T105	105-pin connector, black



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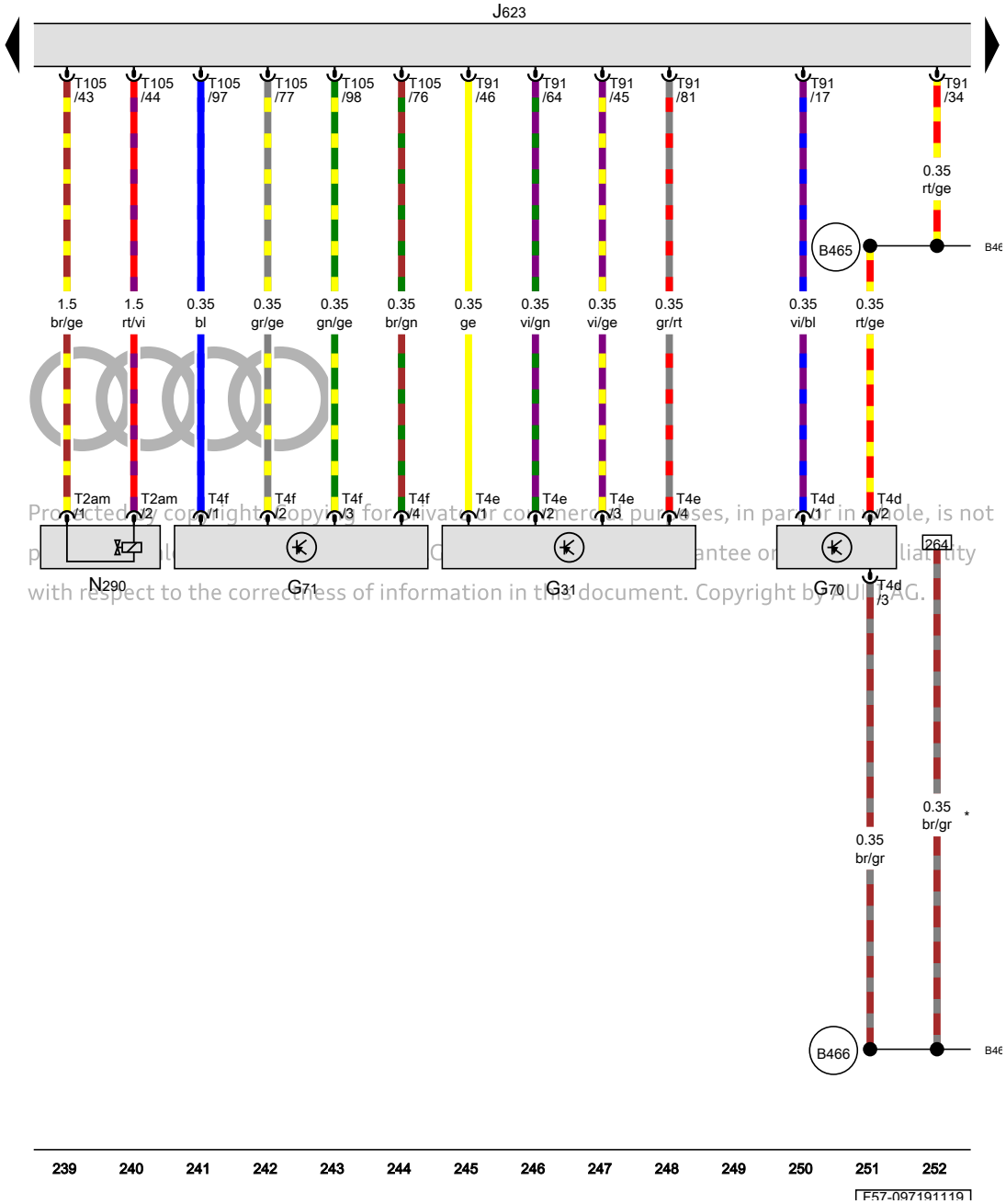

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Charge pressure sender, Air mass meter, Intake manifold pressure sender, Engine/motor control unit, Fuel metering valve

G31	Charge pressure sender
G70	Air mass meter
G71	Intake manifold pressure sender
J623	Engine/motor control unit, front left in engine compartment
N290	Fuel metering valve
T2am	2-pin connector, black
T4d	4-pin connector, black
T4e	4-pin connector, black
T4f	4-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
B465	Connection 1, in main wiring harness
B466	Connection 2, in main wiring harness
*	For models with manual gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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li	=	purple
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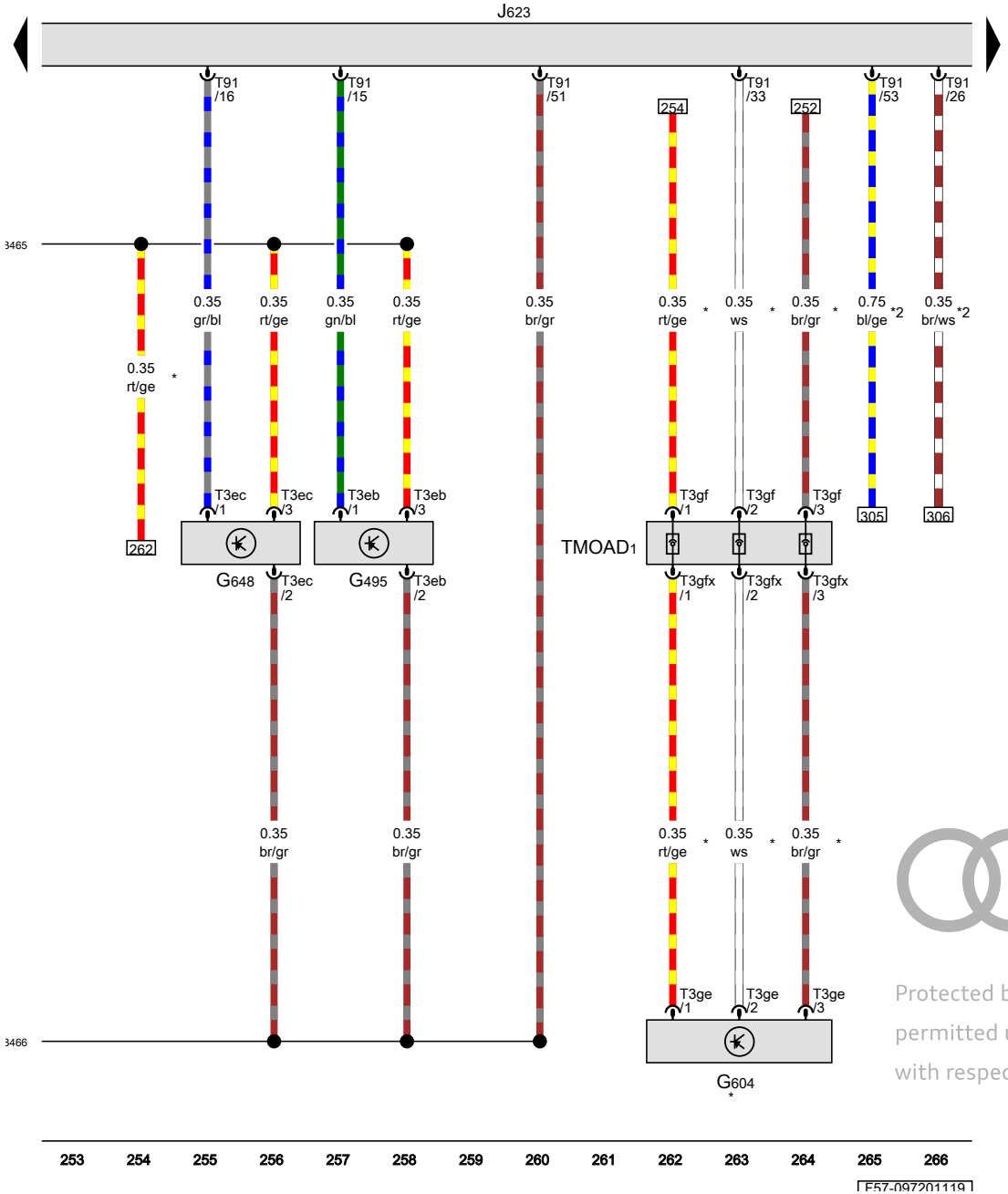

Gear detection sensor, Engine/motor control unit

G495	Exhaust gas temperature sender 3
G604	Gear detection sensor
G648	Exhaust gas temperature sender 4
J623	Engine/motor control unit, front left in engine compartment
T3eb	3-pin connector, black
T3ec	3-pin connector, black
T3ge	3-pin connector, black, brown
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T91	91-pin connector, black
B465	Connection 1, in main wiring harness
B466	Connection 2, in main wiring harness
*	For models with manual gearbox
*2	For American markets

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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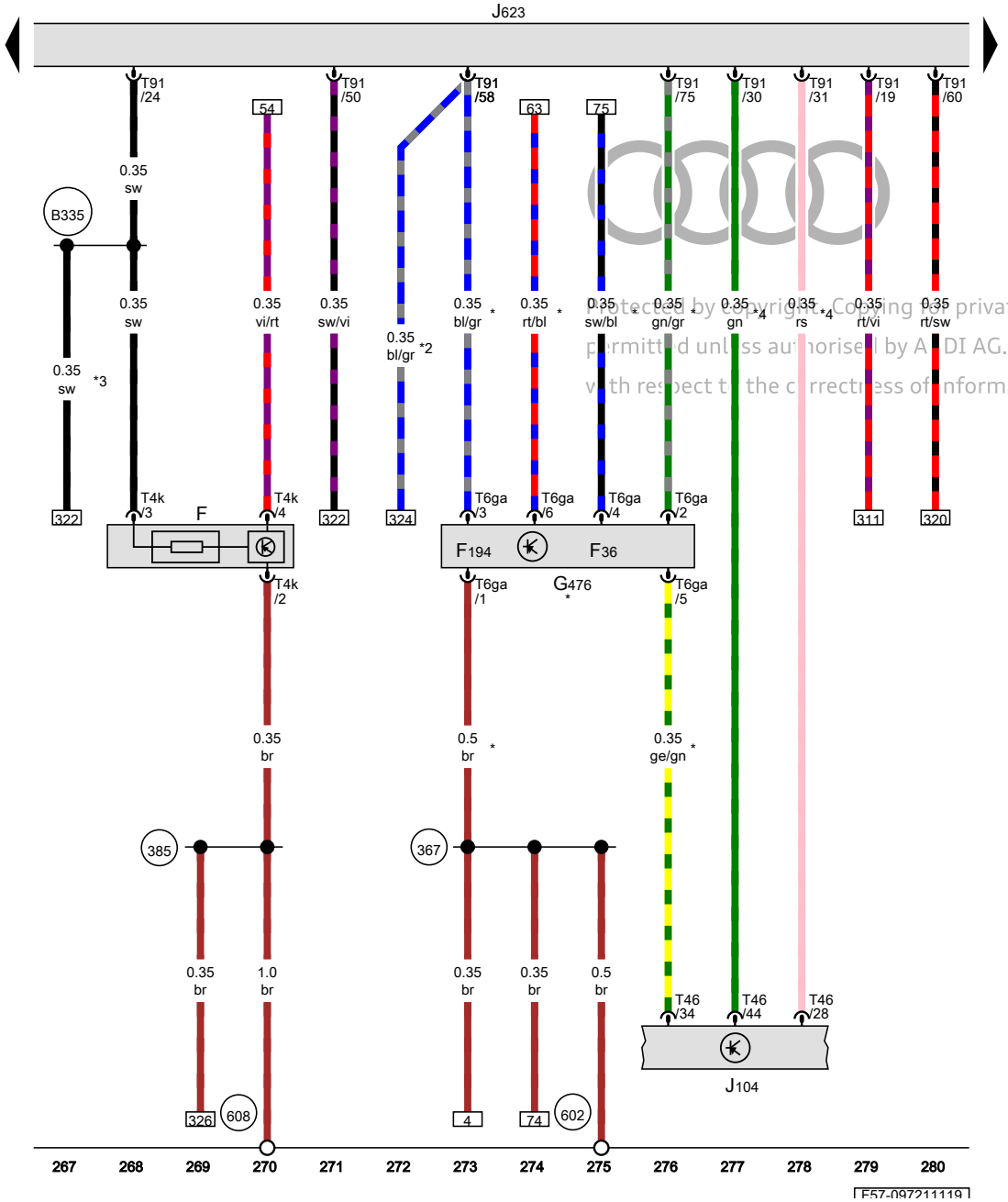

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Brake light switch, Clutch pedal switch, Clutch pedal switch for engine start, Clutch position sender, Engine/motor control unit

F	Brake light switch, on brake servo
F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
G476	Clutch position sender
J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
T4k	4-pin connector, black
T6ga	6-pin connector, black
T46	46-pin connector, black
T91	91-pin connector, black
367	Earth connection 2, in main wiring harness
385	Earth connection 20, in main wiring harness
602	Earth point, in front left footwell
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
*	For models with manual gearbox
*2	For models with automatic gearbox
*3	Cross section depends on equipment
*4	Data bus wire (FlexRay bus)

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sw	=	black
ro	=	red
rt	=	red
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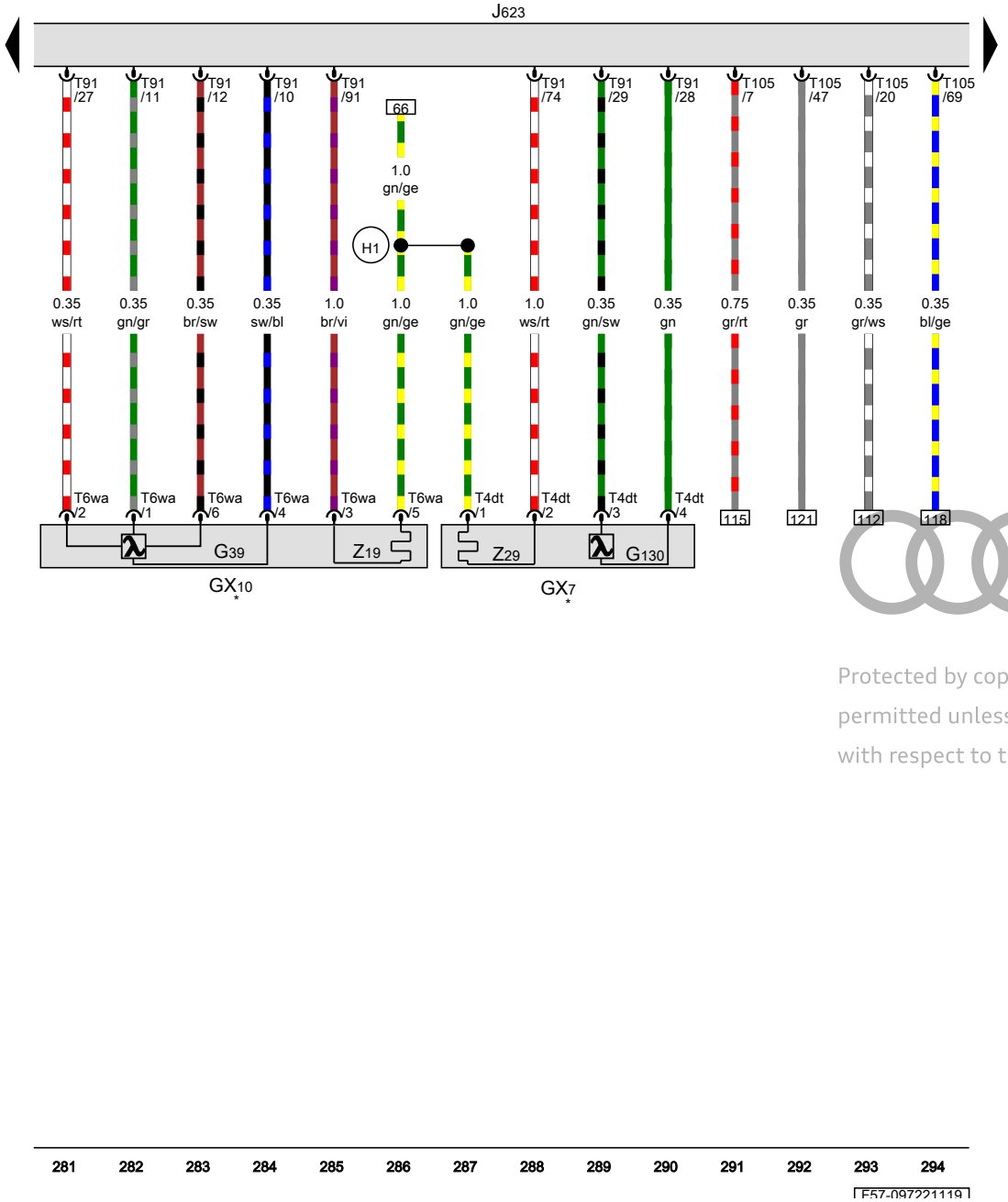

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine/motor control unit, front left in engine compartment
T4dt	4-pin connector, black
T6wa	6-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
H1	Positive connection, in Lambda wiring harness
*	Pre-wired component

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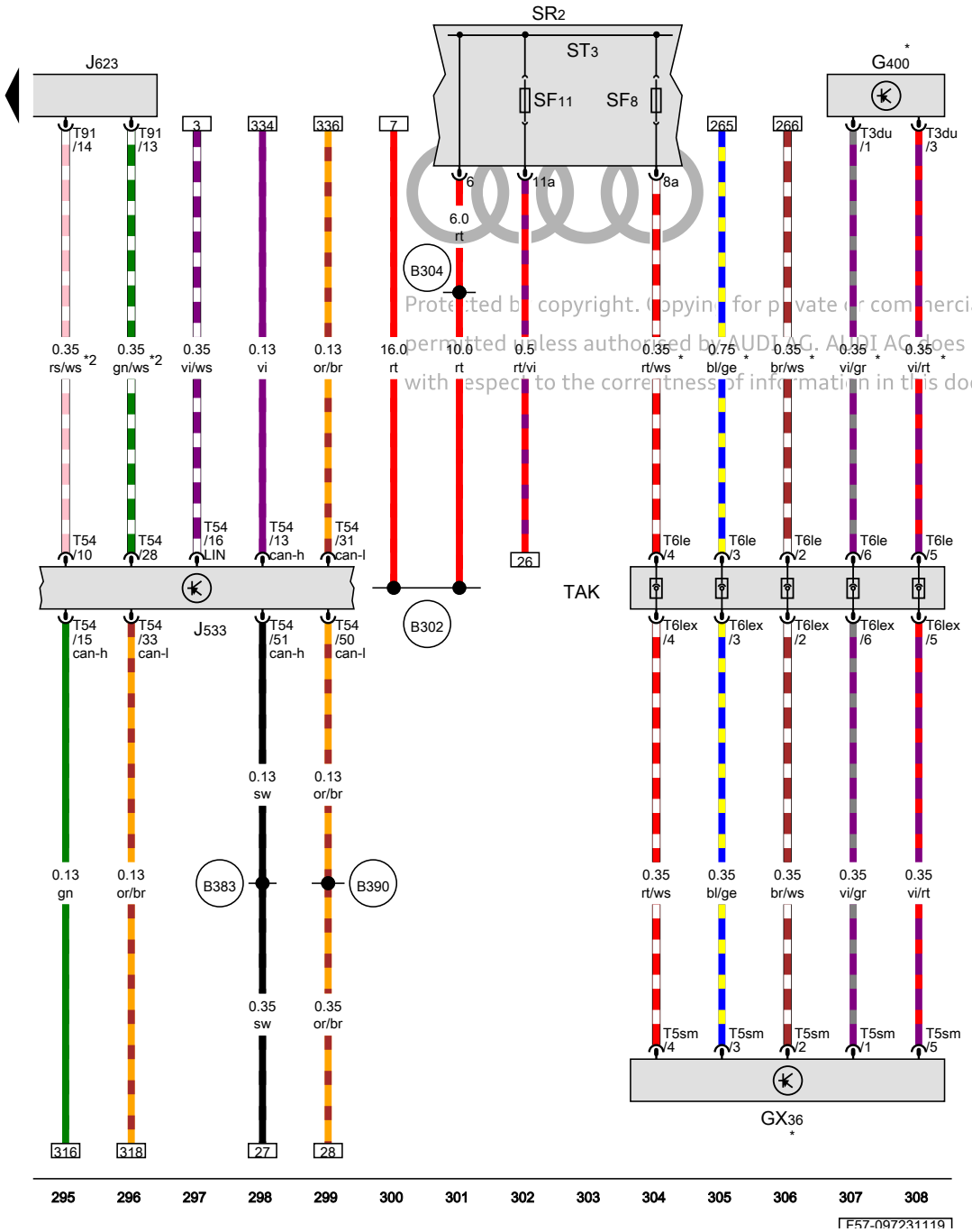

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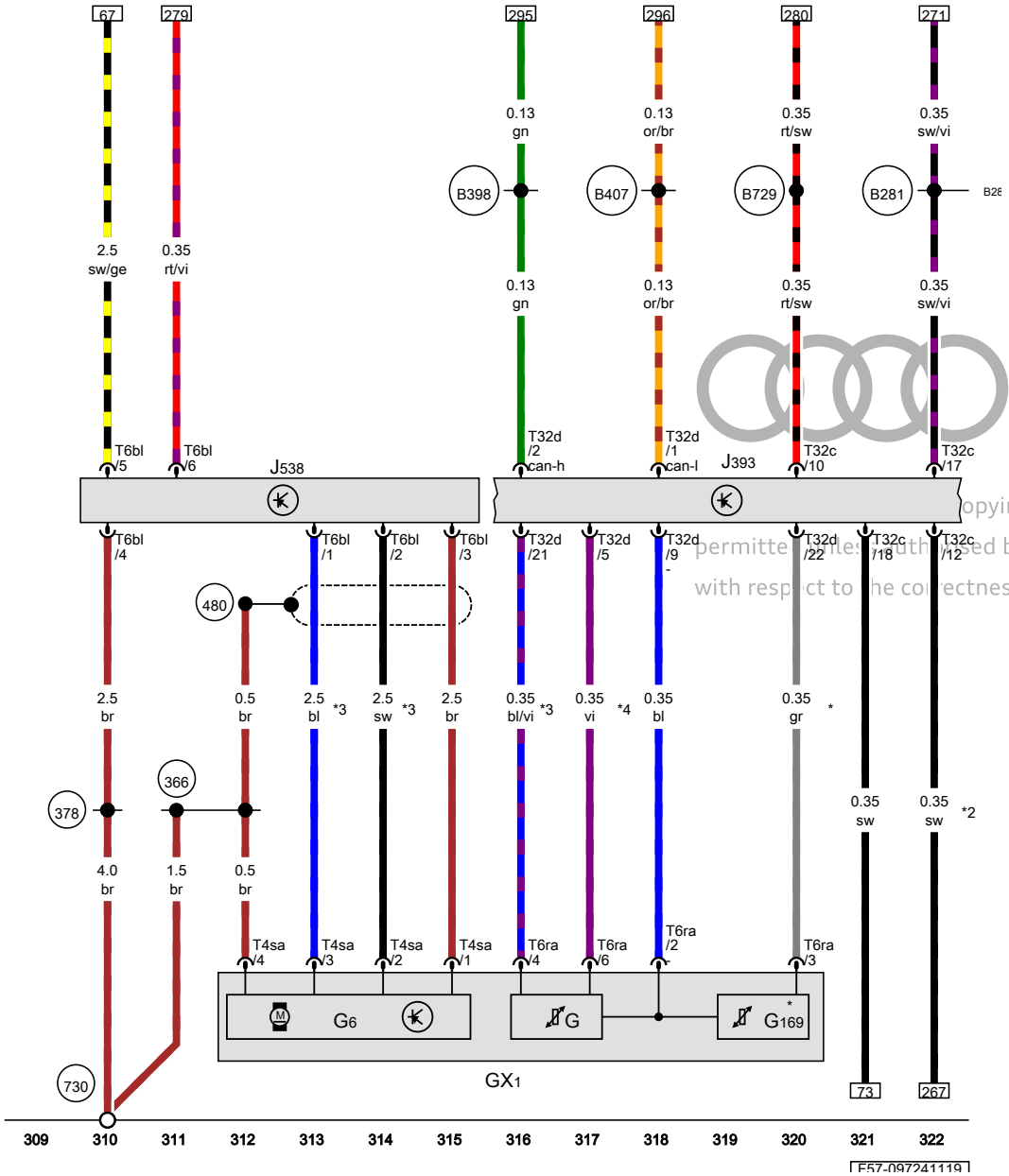
Fuel tank leak detection module, Tank pressure sensor, Data bus diagnostic interface, Engine/motor control unit, Relay and fuse carrier 2

GX36	Fuel tank leak detection module, near fuel tank
G400	Tank pressure sensor, near fuel tank
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
ST3	Fuse carrier 3, brown
SF8	Fuse 8 in fuse holder F
SF11	Fuse 11 in fuse holder F
T3du	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T54	54-pin connector, black
T91	91-pin connector, black
TAK	Coupling point for fuel tank, near fuel tank
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	For American markets
*2	Data bus wire (FlexRay bus)



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Fuel delivery unit, Convenience system central control unit, Fuel pump control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	Cross section depends on equipment
*3	Wiring colour depends on equipment
*4	According to equipment

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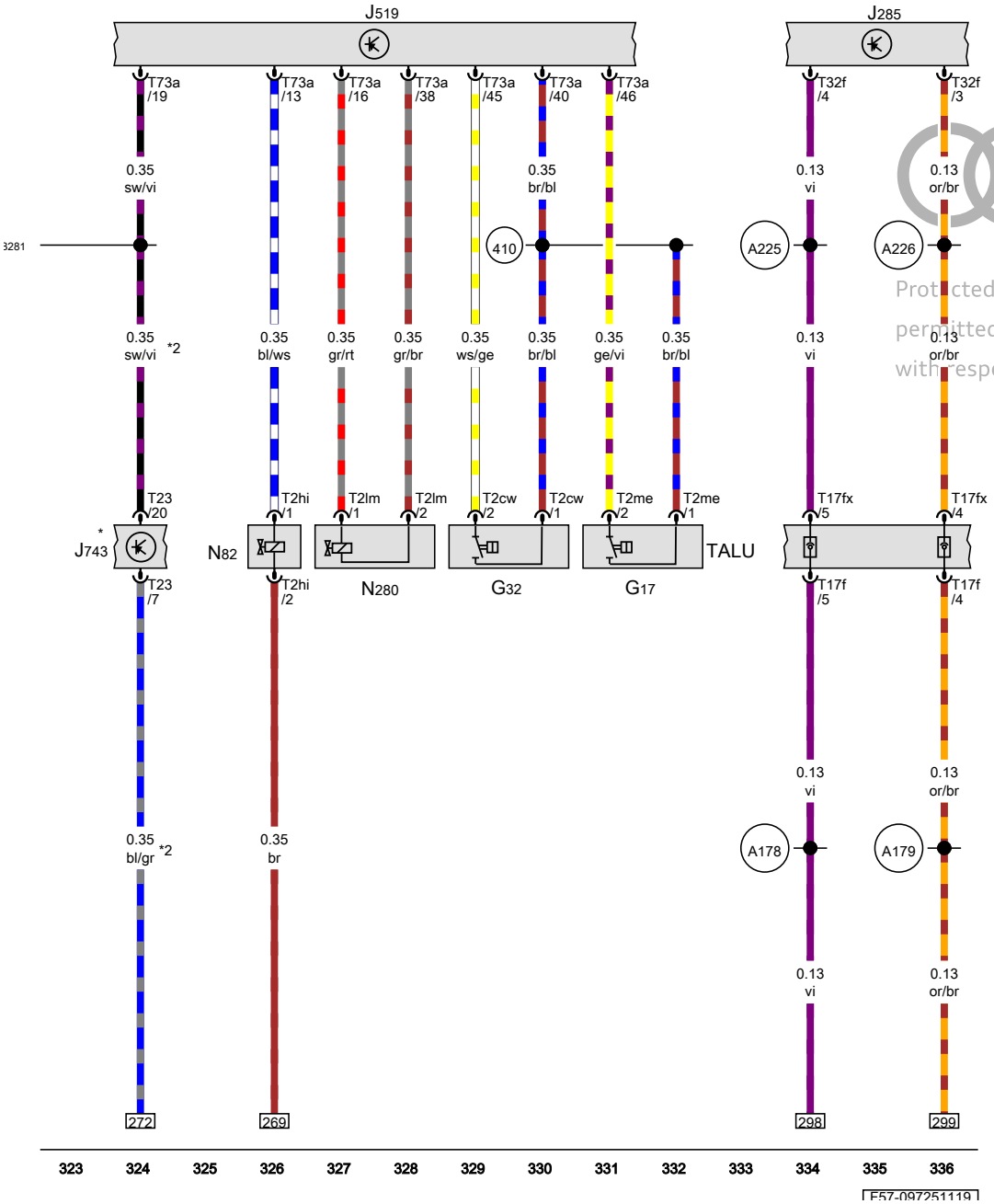

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Ambient temperature sensor, Coolant shortage indicator sender, Control unit in dash panel insert, Onboard supply control unit, Mechatronic unit for dual clutch gearbox, Coolant shut-off valve, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J743	Mechatronic unit for dual clutch gearbox
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T2lm	2-pin connector, black
T2me	2-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T23	23-pin connector, black
T32f	32-pin connector, grey
T73a	73-pin connector, black
TALU	Coupling point on left A-pillar, bottom
410	Earth connection 1 (sender earth) in main wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	For models with automatic gearbox

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Emergency call module , (IV1),(IV2),(IV3),(IV4),(IW3)

From July 2018

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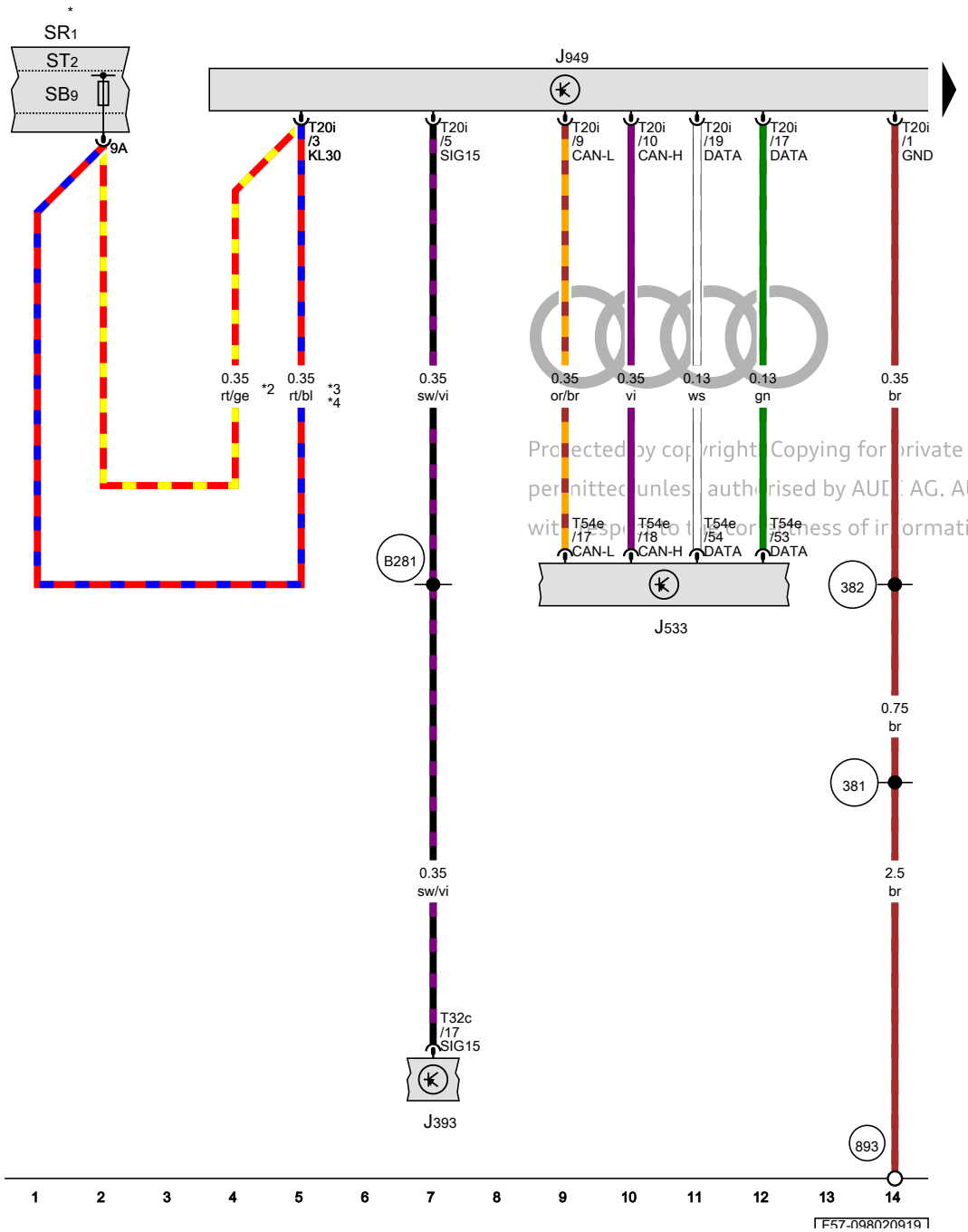

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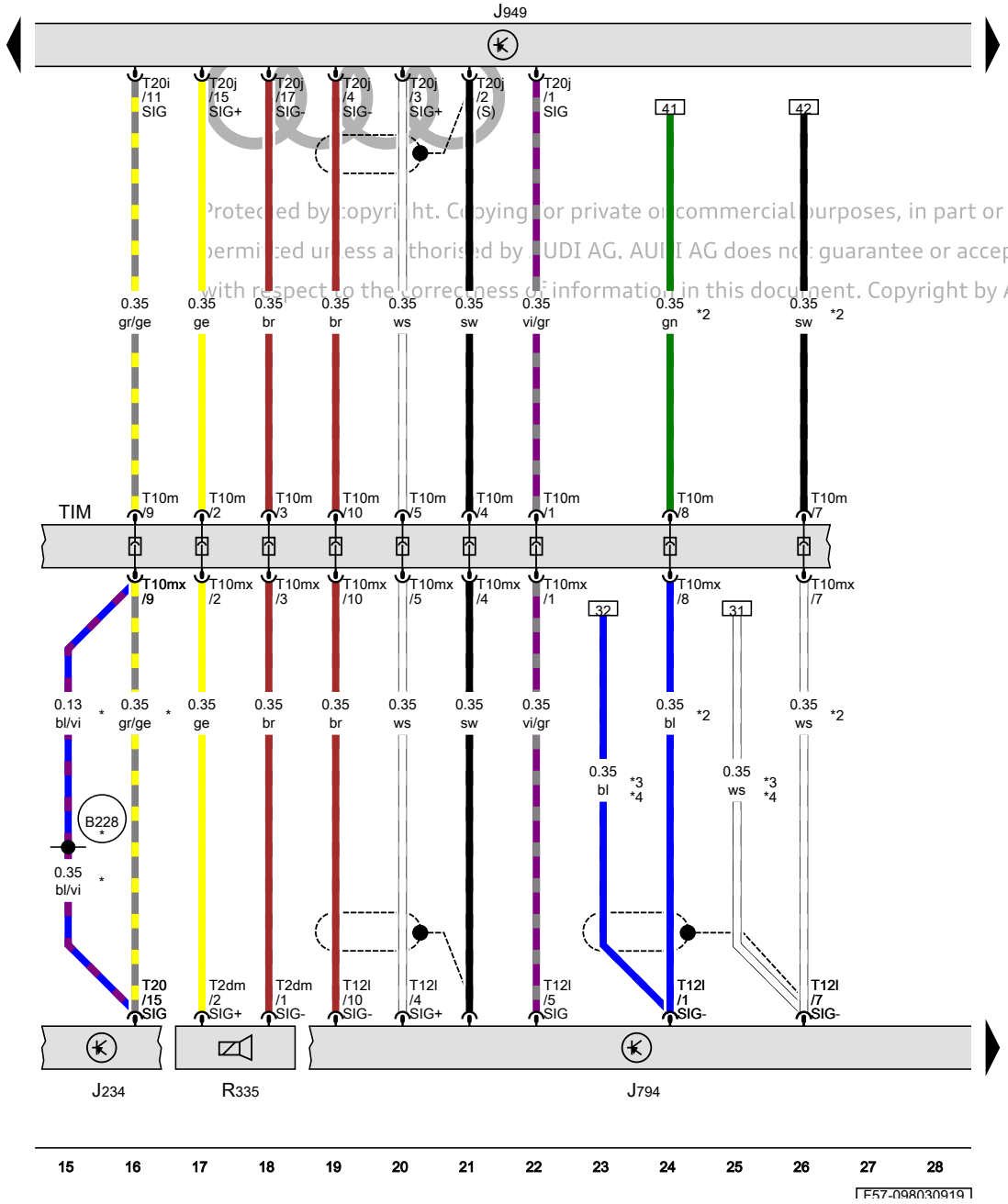
Convenience system central control unit, Data bus diagnostic interface, Emergency call module control unit and communication unit

J393	Convenience system central control unit
J533	Data bus diagnostic interface
J949	Emergency call module control unit and communication unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2
SB9	Fuse 9 on fuse holder B
T20i	20-pin connector, black
T32c	32-pin connector, colourless
T54e	54-pin connector, grey
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For Cabriolet models
*3	Sportback
*4	Coupé



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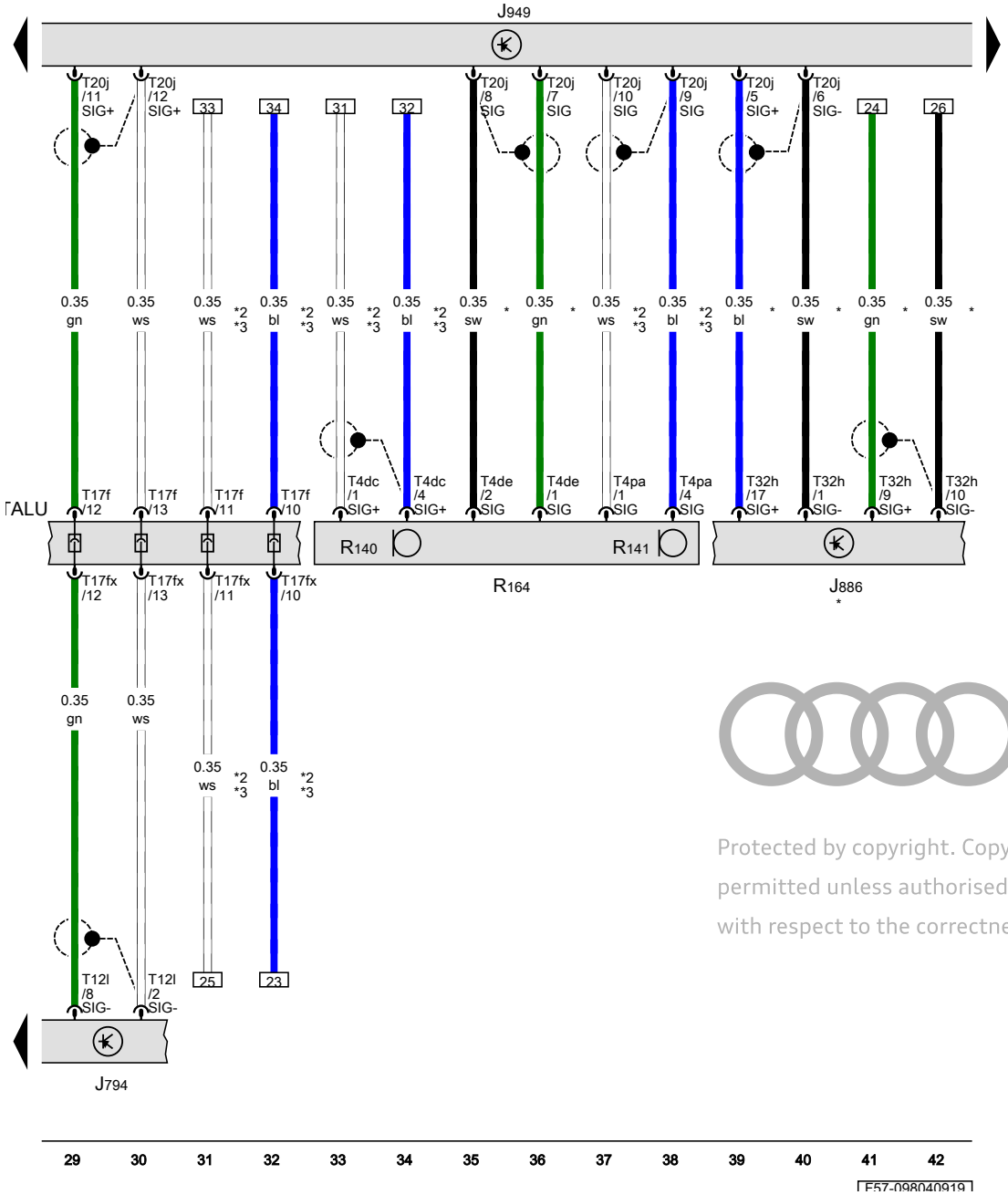
Airbag control unit, Control unit 1 for information electronics, Emergency call module control unit and communication unit, Loudspeaker for emergency call module

J234	Airbag control unit
J794	Control unit 1 for information electronics
J949	Emergency call module control unit and communication unit
R335	Loudspeaker for emergency call module
T2dm	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12l	12-pin connector, blue
T20	20-pin connector, yellow
T20i	20-pin connector, black
T20j	20-pin connector, colourless
TIM	Coupling point in interior, centre
B228	Connection (crash signal), in interior wiring harness
*	According to equipment
*2	For Cabriolet models
*3	Sportback
*4	Coupé



Control unit 1 for information electronics, Control unit for seat belt microphone, Emergency call module control unit and communication unit, Microphone unit in front roof module

J794	Control unit 1 for information electronics
J886	Control unit for seat belt microphone
J949	Emergency call module control unit and communication unit
R140	Front left microphone
R141	Front right microphone
R164	Microphone unit in front roof module
T4dc	4-pin connector, grey
T4de	4-pin connector, black
T4pa	4-pin connector, blue
T12l	12-pin connector, blue
T17f	17-pin connector, blue
T17fx	17-pin connector, red
T20j	20-pin connector, colourless
T32h	32-pin connector, colourless
TALU	Coupling point on left A-pillar, bottom
*	For Cabriolet models
*2	Sportback
*3	Coupé

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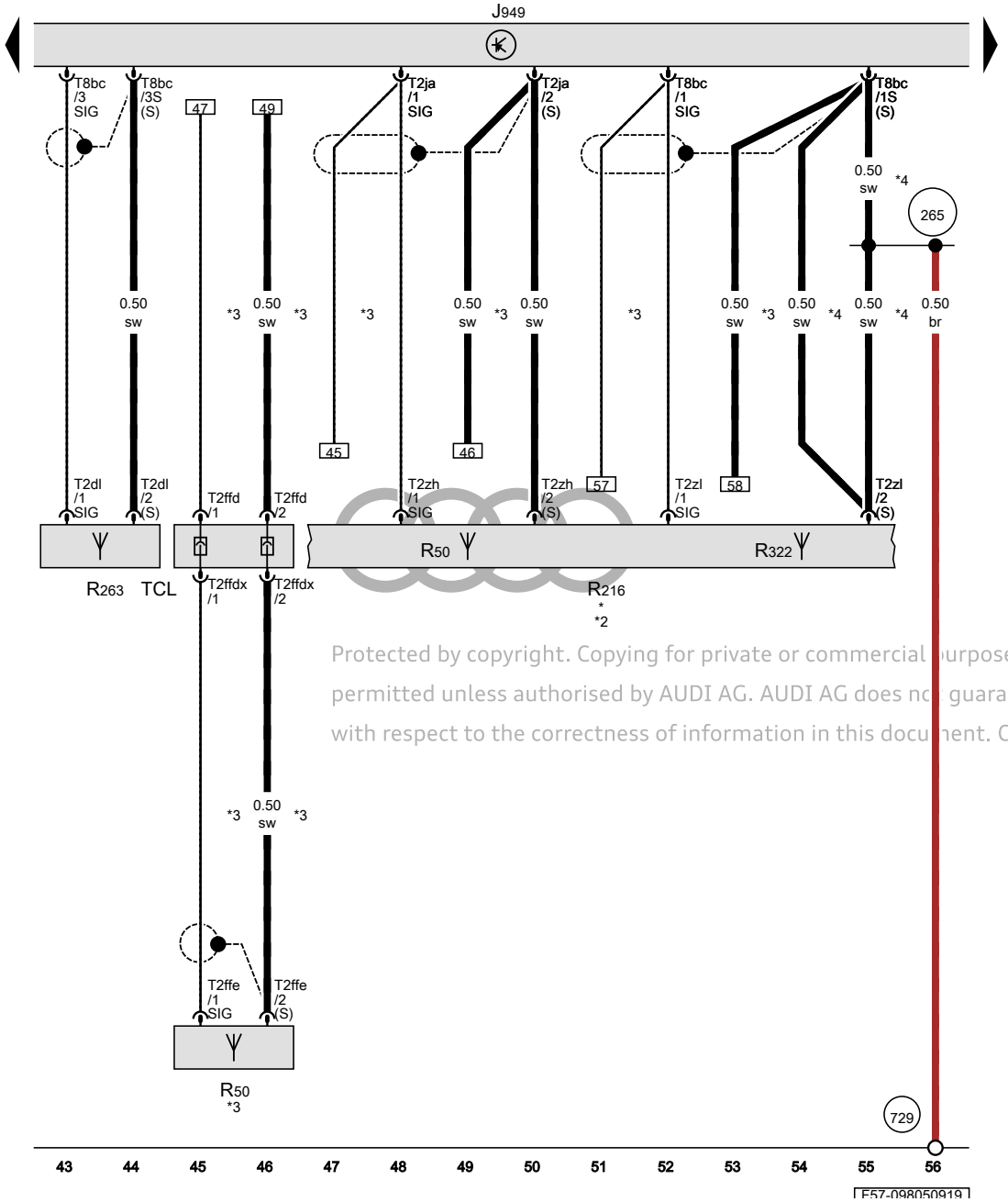

Emergency call module control unit and communication unit, Roof aerial, Emergency call module aerial

J949	Emergency call module control unit and communication unit
R50	GPS aerial
R216	Roof aerial
R263	Emergency call module aerial
R322	Emergency call module aerial 2
T2dl	2-pin connector, purple
T2ffd	2-pin connector, blue
T2ffdx	2-pin connector, blue
T2ffe	2-pin connector, blue
T2ja	2-pin connector, pink
T2zh	2-pin connector, blue
T2zl	2-pin connector, purple
T8bc	8-pin connector, black
TCL	Coupling point on left C-pillar
265	Earth connection (internal screening), in navigation wiring harness
729	Earth point, on left rear wheel housing
*	Sportback
*2	Coupé
*3	For Cabriolet models
*4	According to equipment

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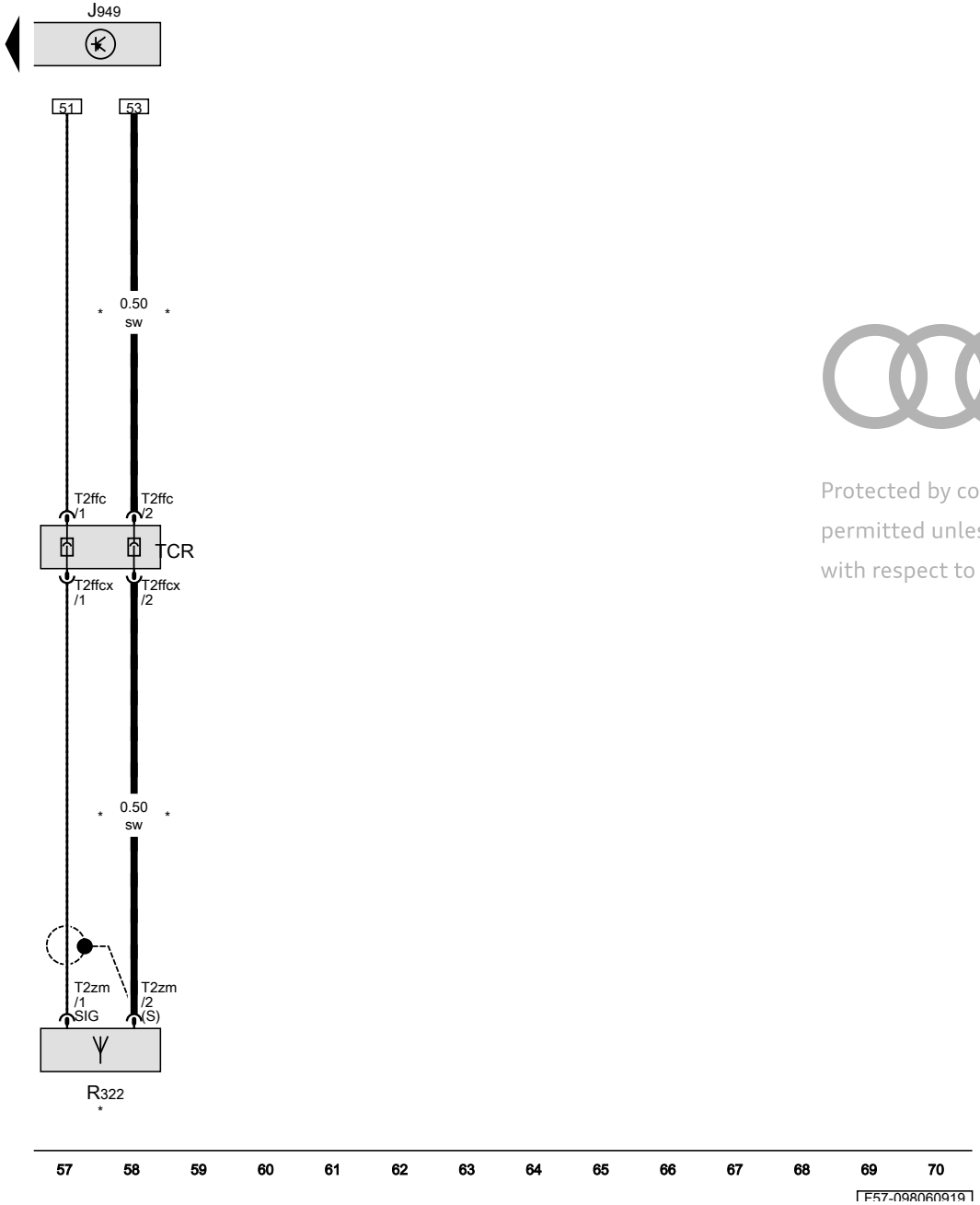
rs	=	pink

Emergency call module control unit and communication unit, Emergency call module aerial 2

J949	Emergency call module control unit and communication unit
R322	Emergency call module aerial 2
T2ffc	2-pin connector, purple
T2ffcx	2-pin connector, purple
T2zm	2-pin connector, purple
TCR	Coupling point on right C-pillar
*	For Cabriolet models



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Adjustable lumbar support , (3L3),(8I6)

From July 2016

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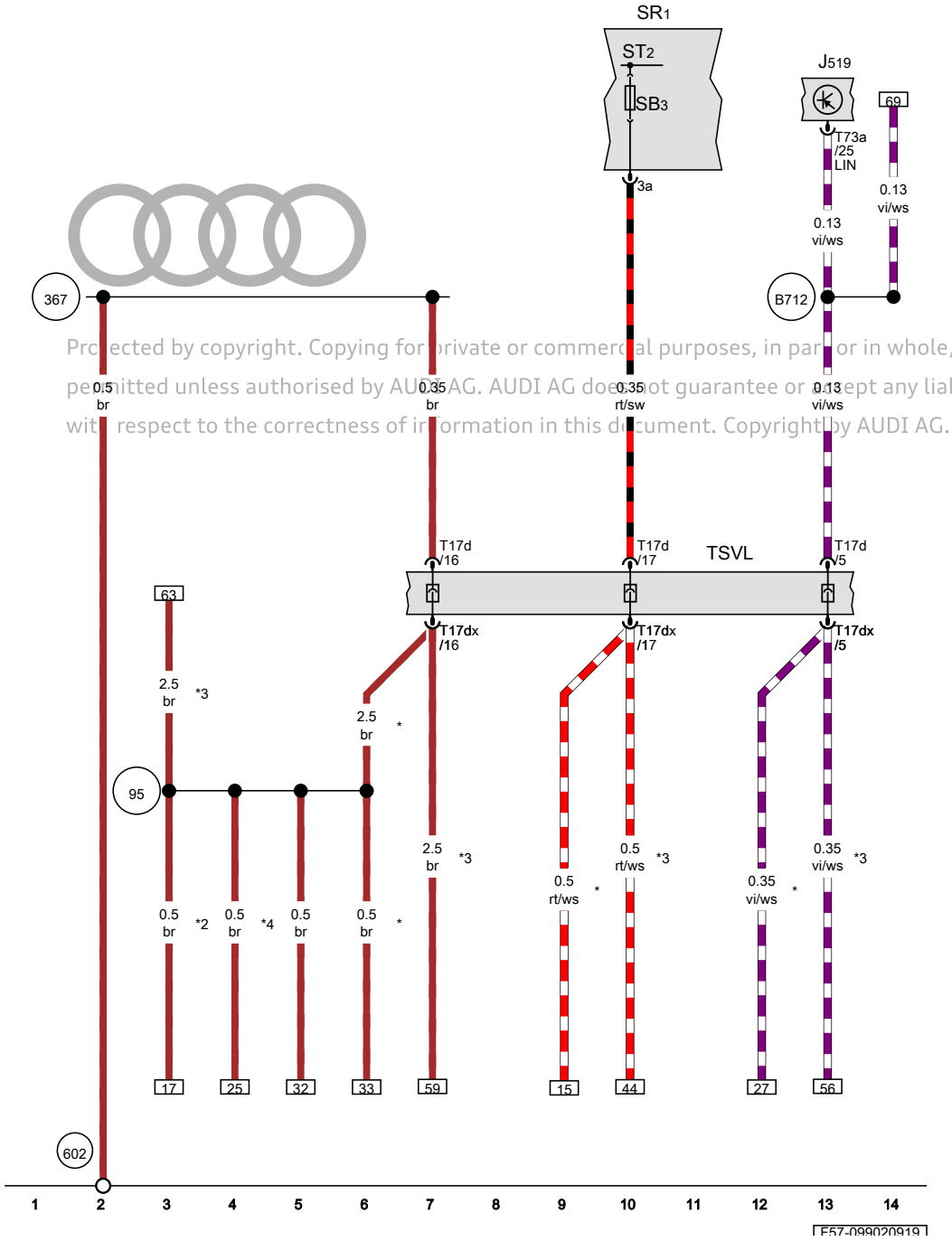

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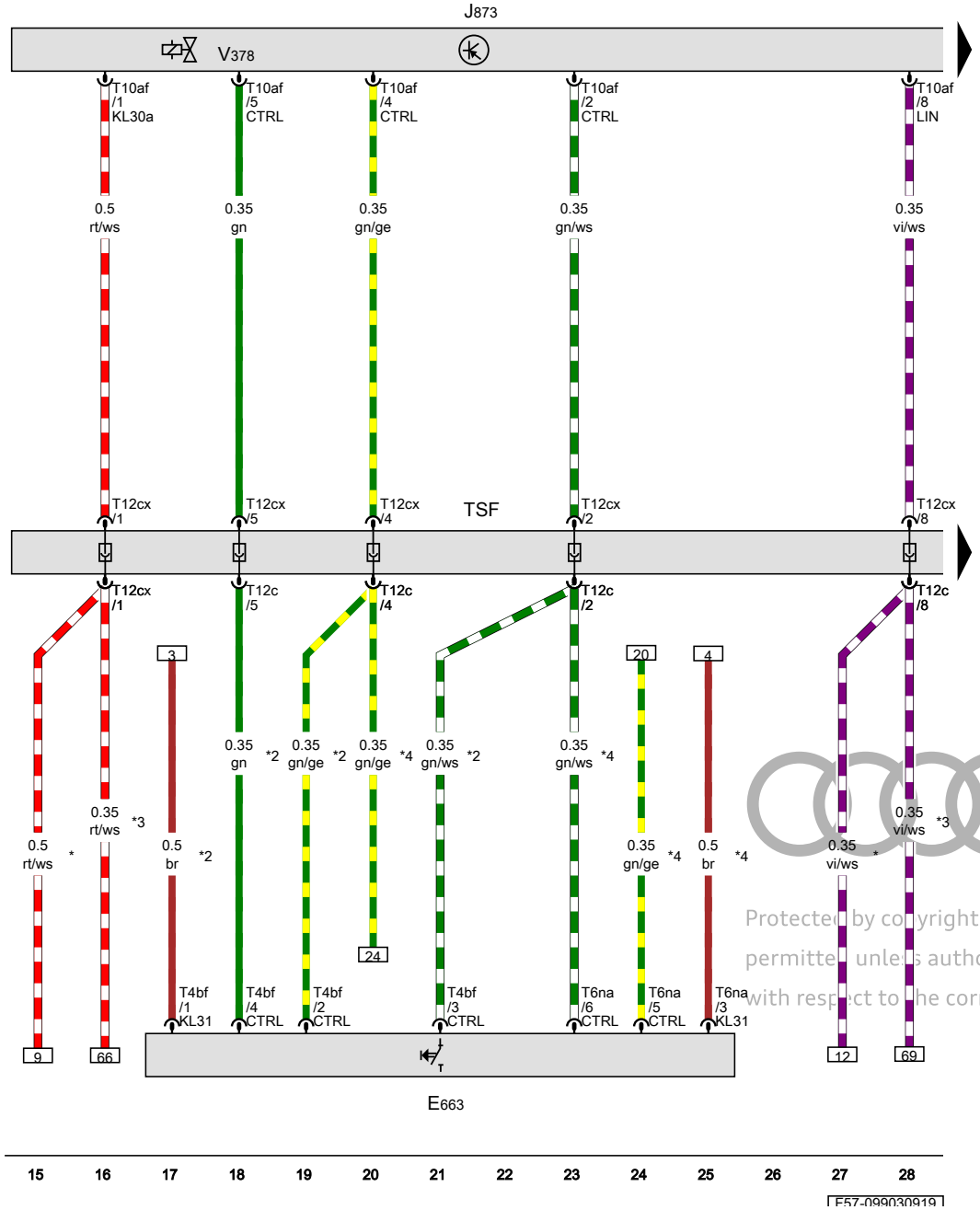
Onboard supply control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB3	Fuse 3 on fuse holder B
T17d	17-pin connector, red
T17dx	17-pin connector, red
T73a	73-pin connector, black
TSVL	Coupling point for front left seat
95	Earth connection 1, in seat adjustment wiring harness
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
B712	Connection 7 (LIN bus) in main wiring harness
*	For left-hand drive models
*2	Version 1
*3	For right-hand drive models
*4	Version 2



Control unit for driver multicontour seat, Valve block for driver seat and backrest bolster adjustment

E663	Switch module for driver seat
J873	Control unit for driver multicontour seat
T4bf	4-pin connector, brown
T6na	6-pin connector, black
T10af	10-pin connector, black
T12c	12-pin connector, black
T12cx	12-pin connector, black
TSF	Coupling point for driver seat backrest
V378	Valve block for driver seat and backrest bolster adjustment
*	For left-hand drive models
*2	Version 1
*3	For right-hand drive models
*4	Version 2

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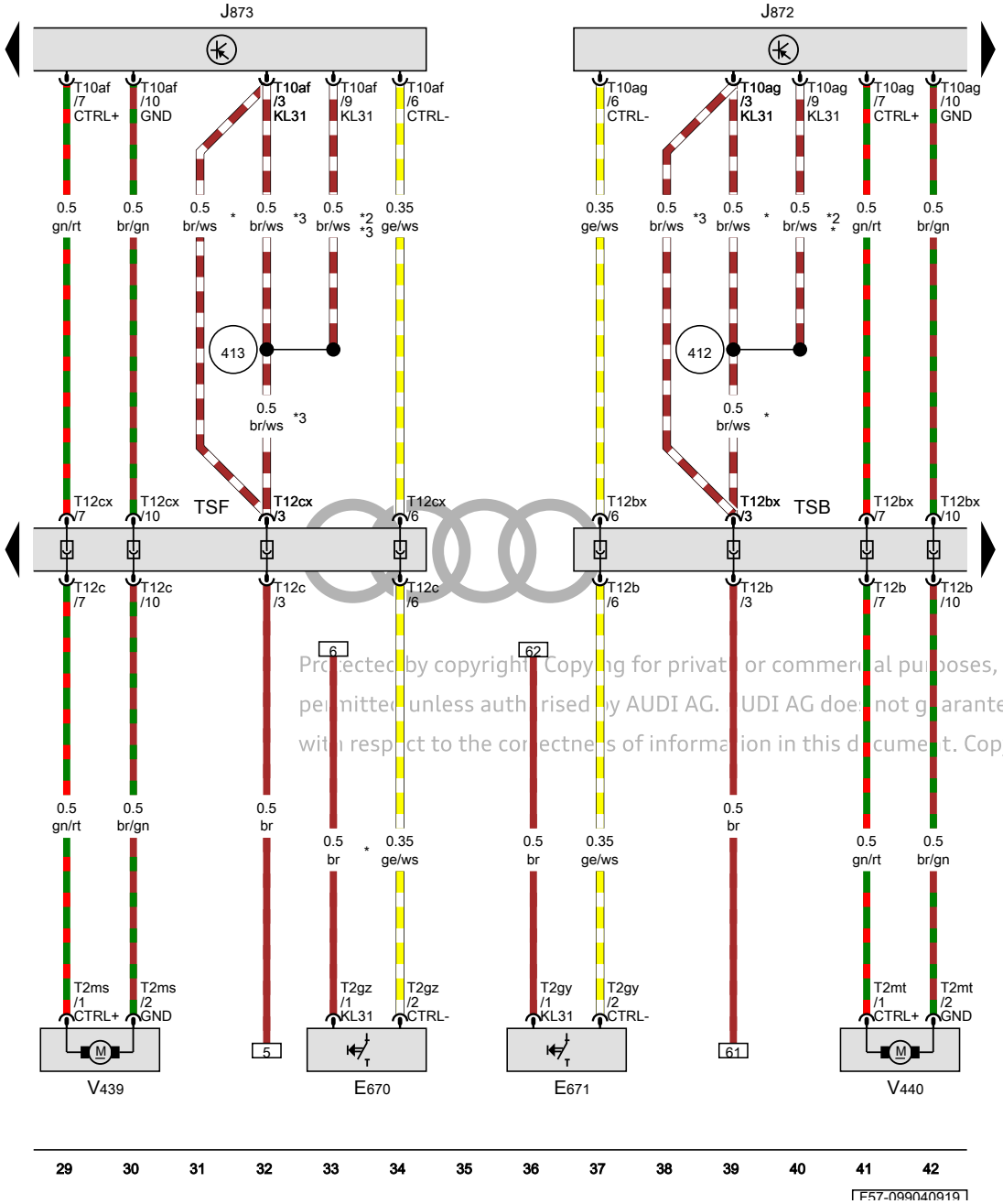

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Driver seat massage function button, Front passenger seat massage function button, Control unit for front passenger multicontour seat, Control unit for driver multicontour seat, Compressor for multicontour driver seat, Compressor for multicontour front passenger seat

E670	Driver seat massage function button
E671	Front passenger seat massage function button
J872	Control unit for front passenger multicontour seat
J873	Control unit for driver multicontour seat
T2gy	2-pin connector, black
T2gz	2-pin connector, black
T2ms	2-pin connector, black
T2mt	2-pin connector, black
T10af	10-pin connector, black
T10ag	10-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
T12c	12-pin connector, black
T12cx	12-pin connector, black
TSB	Coupling point for front passenger seat backrest
TSF	Coupling point for driver seat backrest
V439	Compressor for multicontour driver seat
V440	Compressor for multicontour front passenger seat
412	Earth connection 3, in seat adjustment wiring harness
413	Earth connection 4, in seat adjustment wiring harness
*	For left-hand drive models
*2	Coding wire
*3	For right-hand drive models

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rt	=	red
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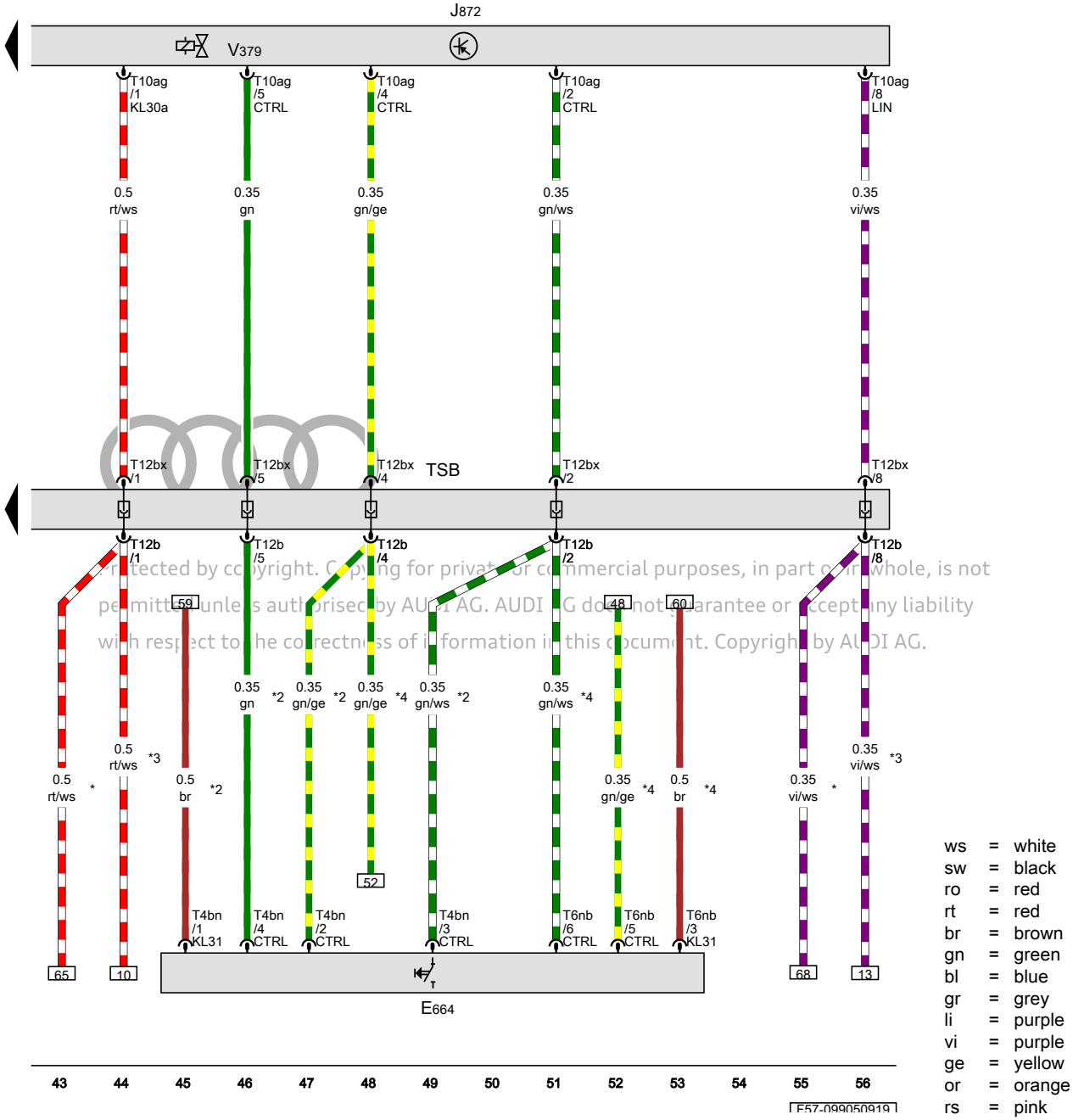

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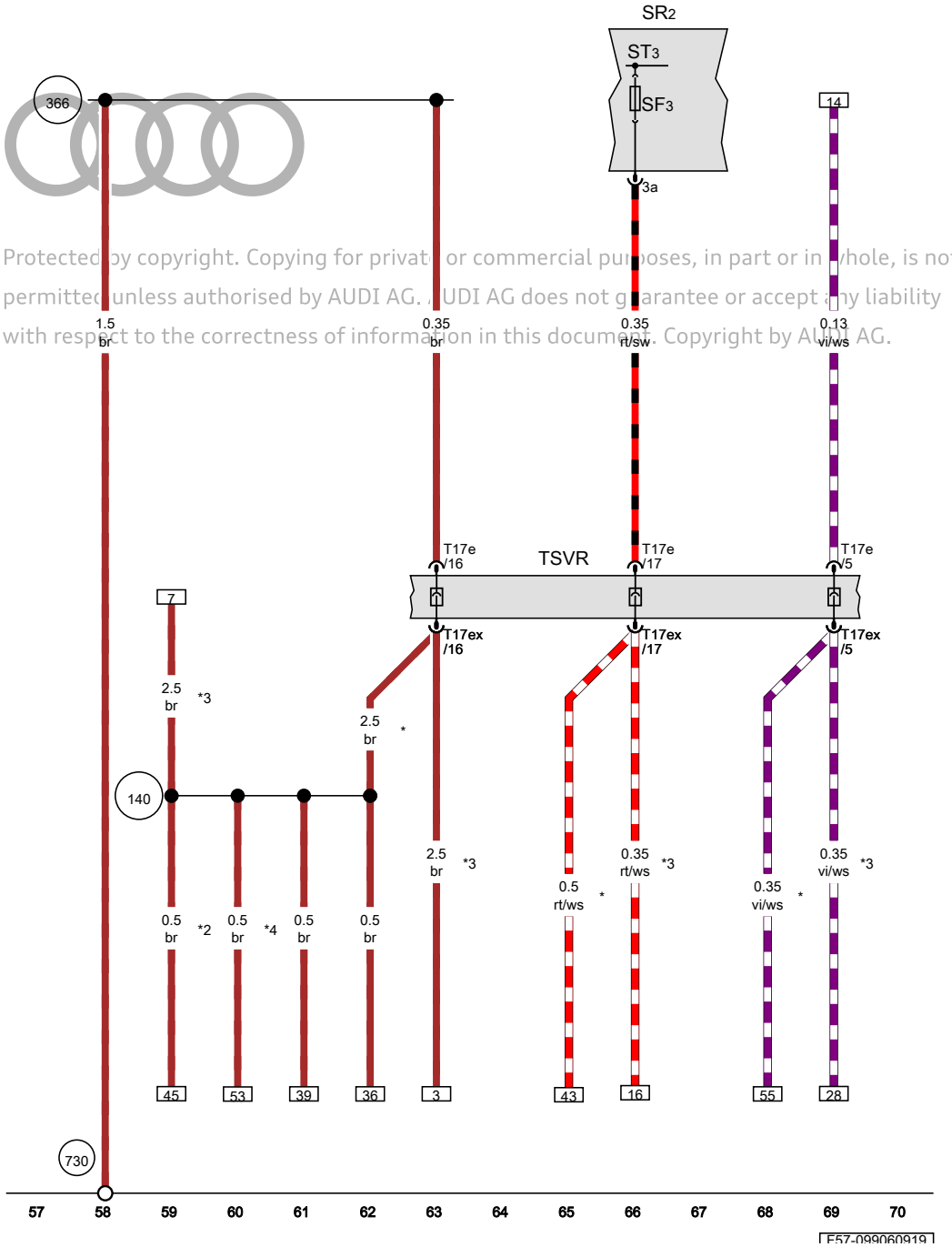
Switch module for front passenger seat, Control unit for front passenger multicontour seat, Valve block for front passenger seat and backrest bolster adjustment

E664	Switch module for front passenger seat
J872	Control unit for front passenger multicontour seat
T4bn	4-pin connector, brown
T6nb	6-pin connector, black
T10ag	10-pin connector, black
T12b	12-pin connector, black
T12bx	12-pin connector, black
TSB	Coupling point for front passenger seat backrest
V379	Valve block for front passenger seat and backrest bolster adjustment
*	For left-hand drive models
*2	Version 1
*3	For right-hand drive models
*4	Version 2



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Relay and fuse carrier 2

SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF3	Fuse 3 in fuse holder F
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSVR	Coupling point for front right seat
140	Earth connection 2, in seat adjustment wiring harness
366	Earth connection 1, in main wiring harness
730	Earth point 1, on right rear wheel housing
*	For left-hand drive models
*2	Version 1
*3	For right-hand drive models
*4	Version 2

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2.0l diesel engine , DEZB,DEZE

From November 2018

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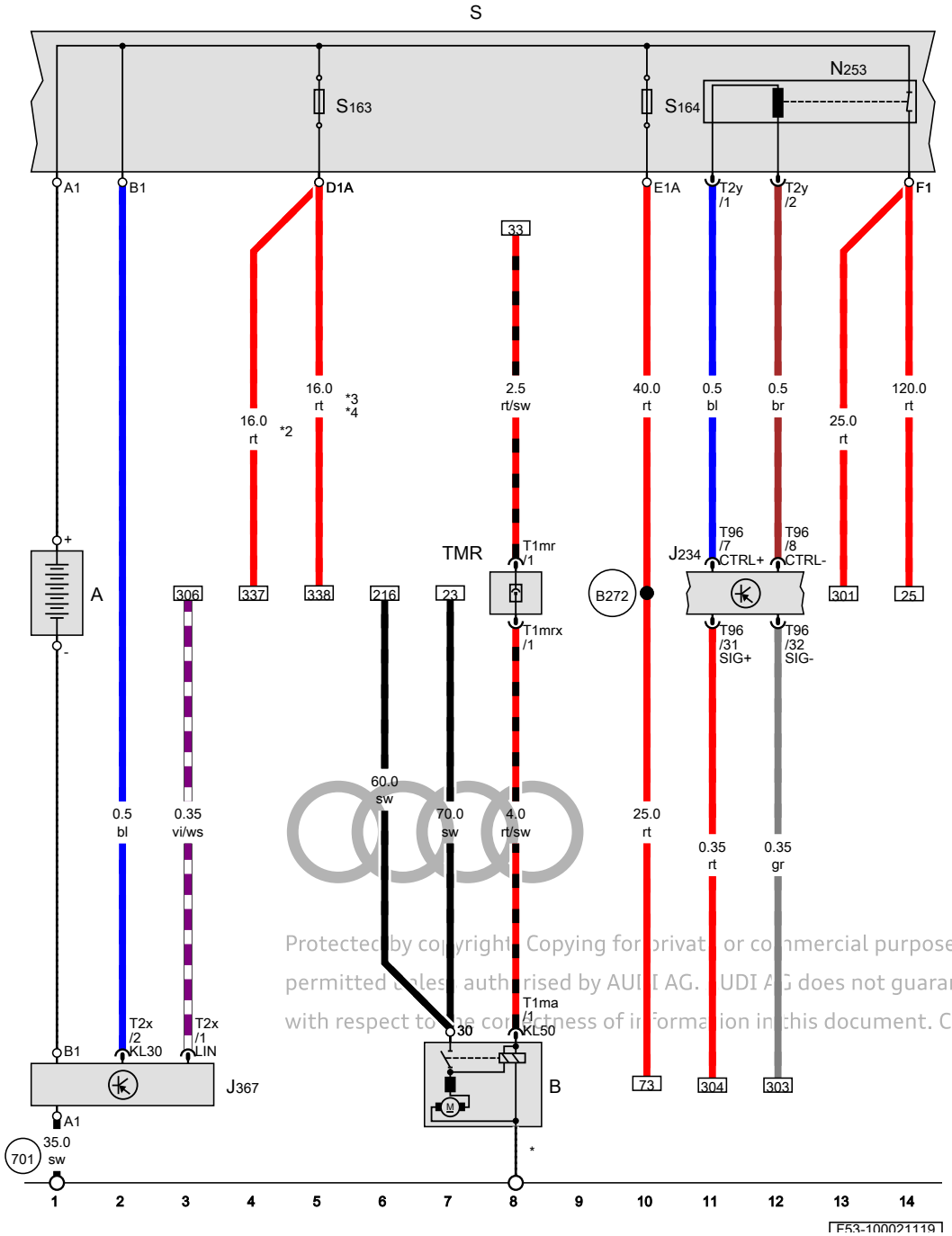

Battery, Starter, Battery monitor control unit, Battery isolation igniter, Fuses in fuse holder

A	Battery
B	Starter
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T1mr	1-pin connector, black
T1mrx	1-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
701	Earth point in luggage compartment
B272	Positive connection (30), in main wiring harness
*	Earth supply via housing
*2	For Cabriolet models
*3	Coupé
*4	Sportback

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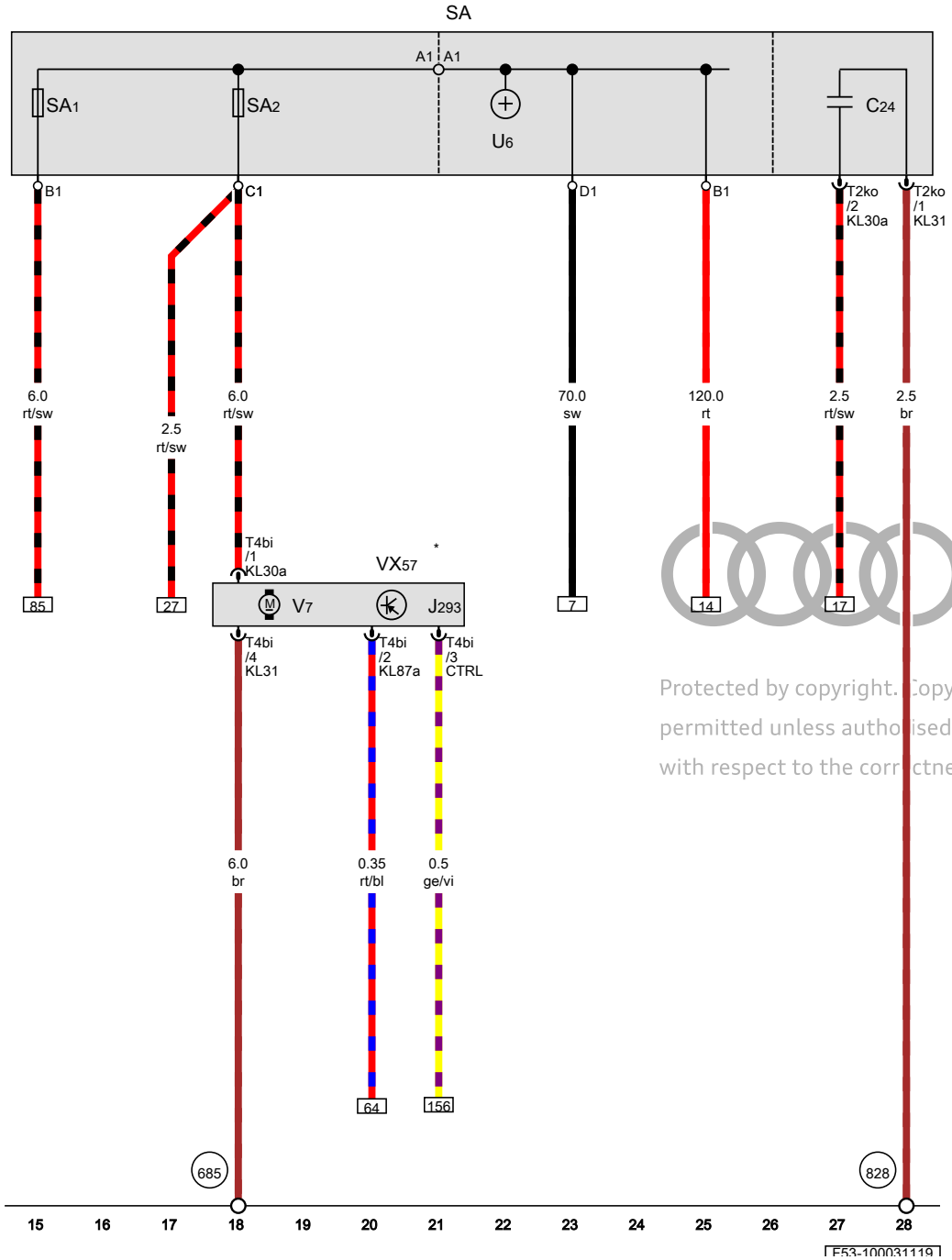

Suppression filter, Radiator fan control unit, Fuse holder A, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
SA	Fuse holder A
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
T2ko	2-pin connector, black
T4bi	4-pin connector, black
U6	Jump start socket
V7	Radiator fan
VX57	Radiator fan
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component

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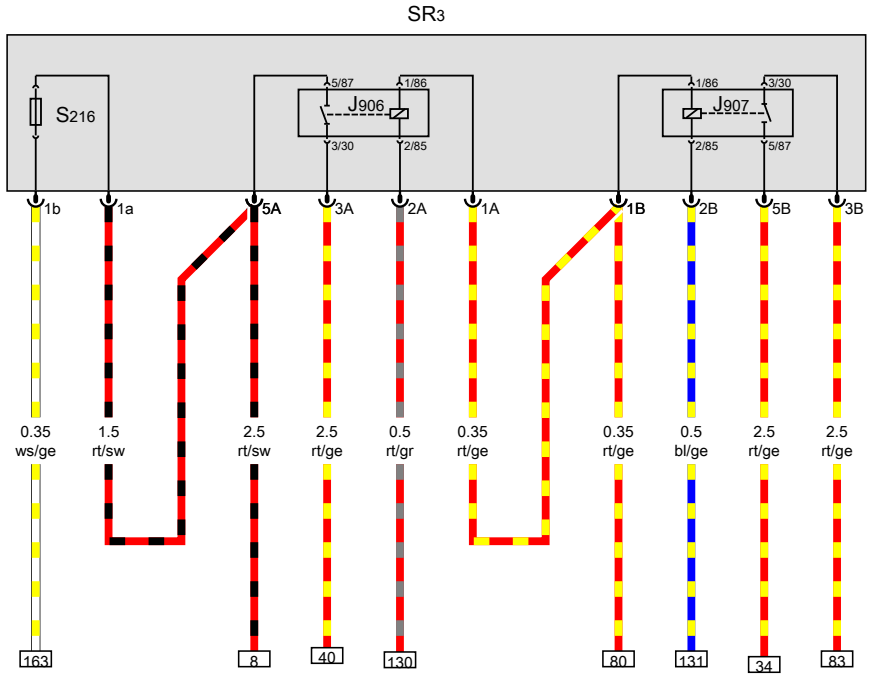

Starter relay 1, Starter relay 2, Relay and fuse carrier 3

J906	Starter relay 1
J907	Starter relay 2
SR3	Relay and fuse carrier 3
S216	Fuse (50)

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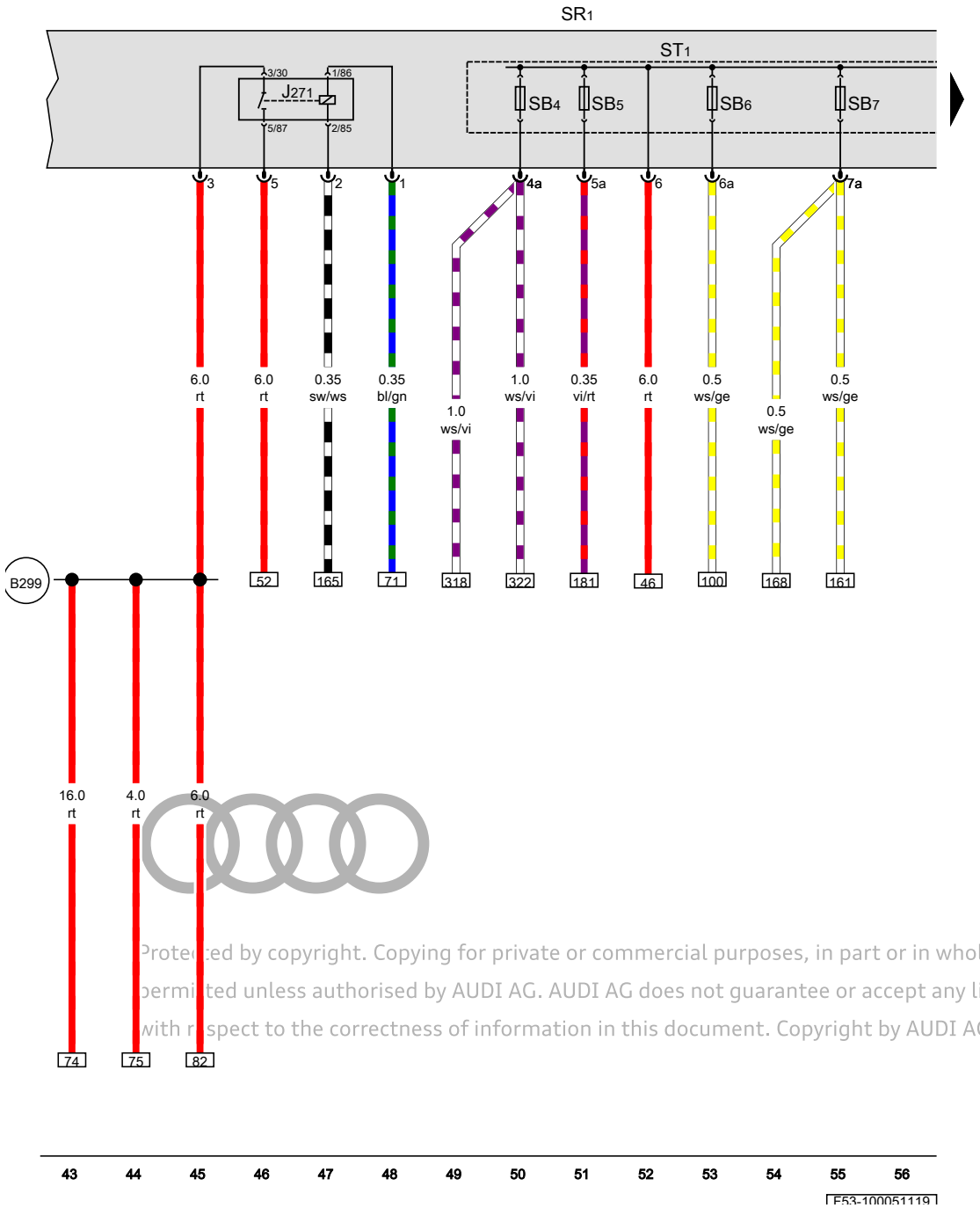

Main relay, Fuse carrier 1, Relay and fuse carrier 1

J271	Main relay
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
B299	Positive connection 3 (30), in main wiring harness

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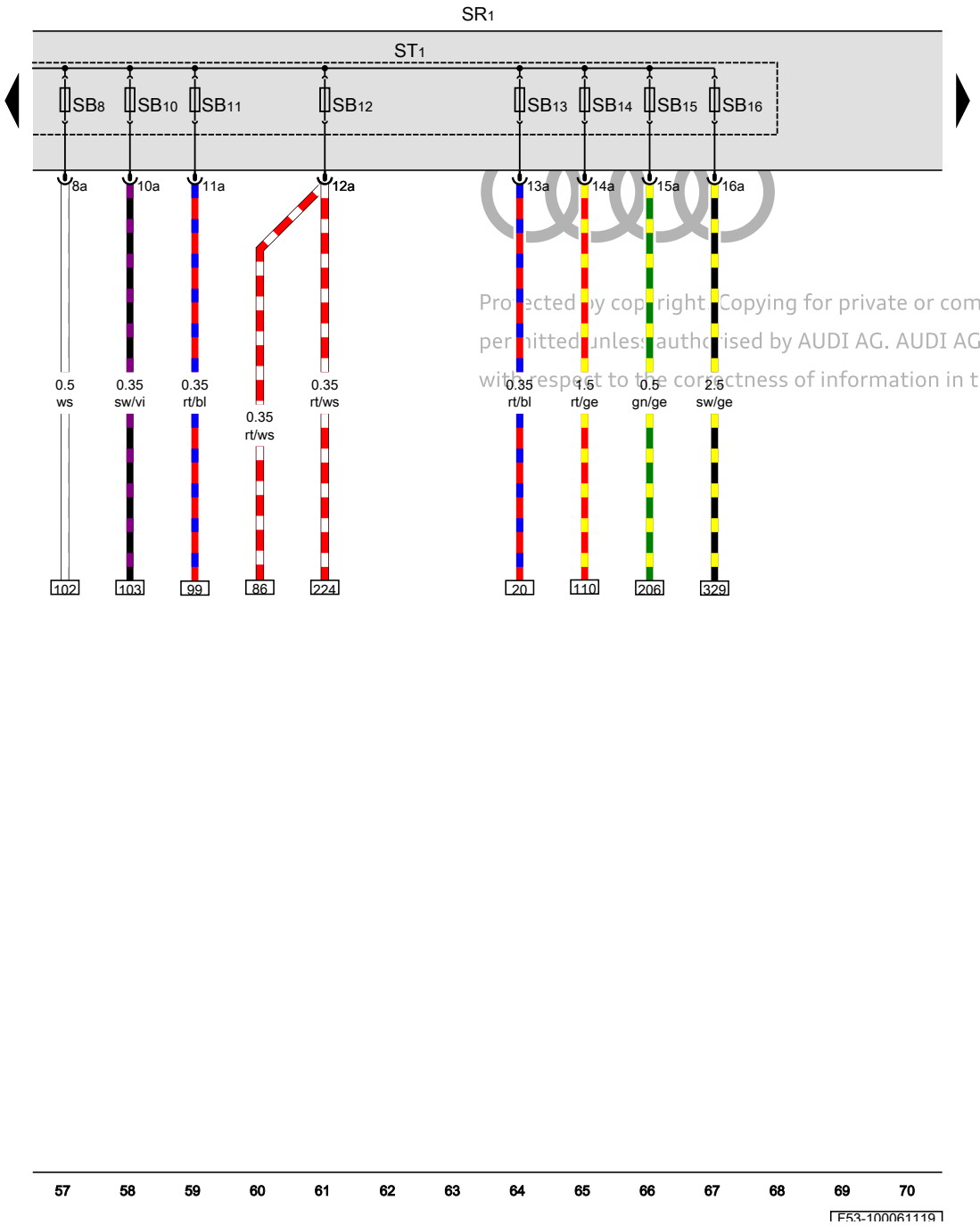

Fuse carrier 1, Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1
SB8	Fuse 8 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B

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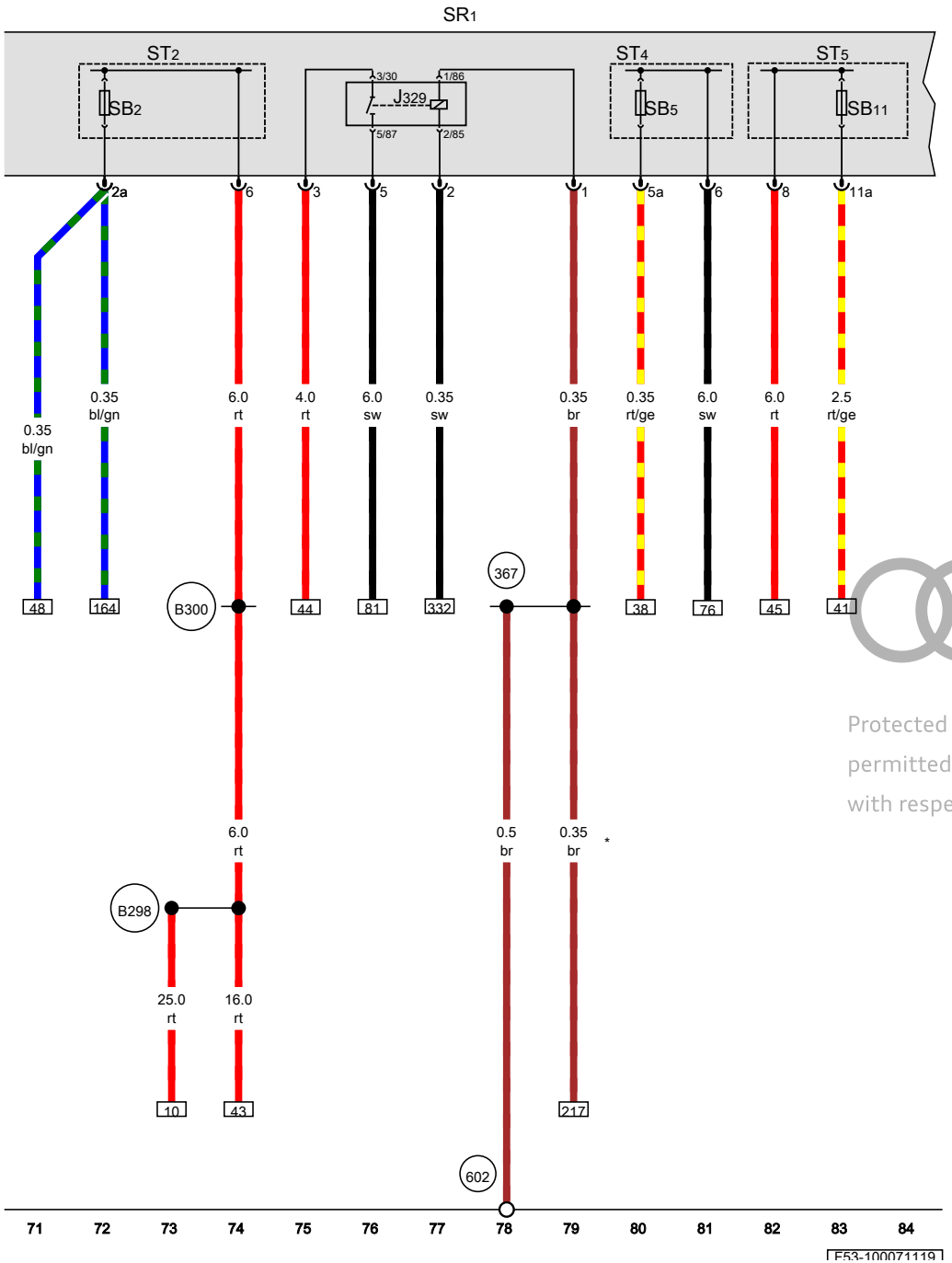

Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2, red
SB2	Fuse 2 on fuse holder B
ST4	Fuse carrier 4, black
ST5	Fuse carrier 5
SB5	Fuse 5 on fuse holder B
SB11	Fuse 11 on fuse holder B
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
B298	Positive connection 2 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
*	According to equipment

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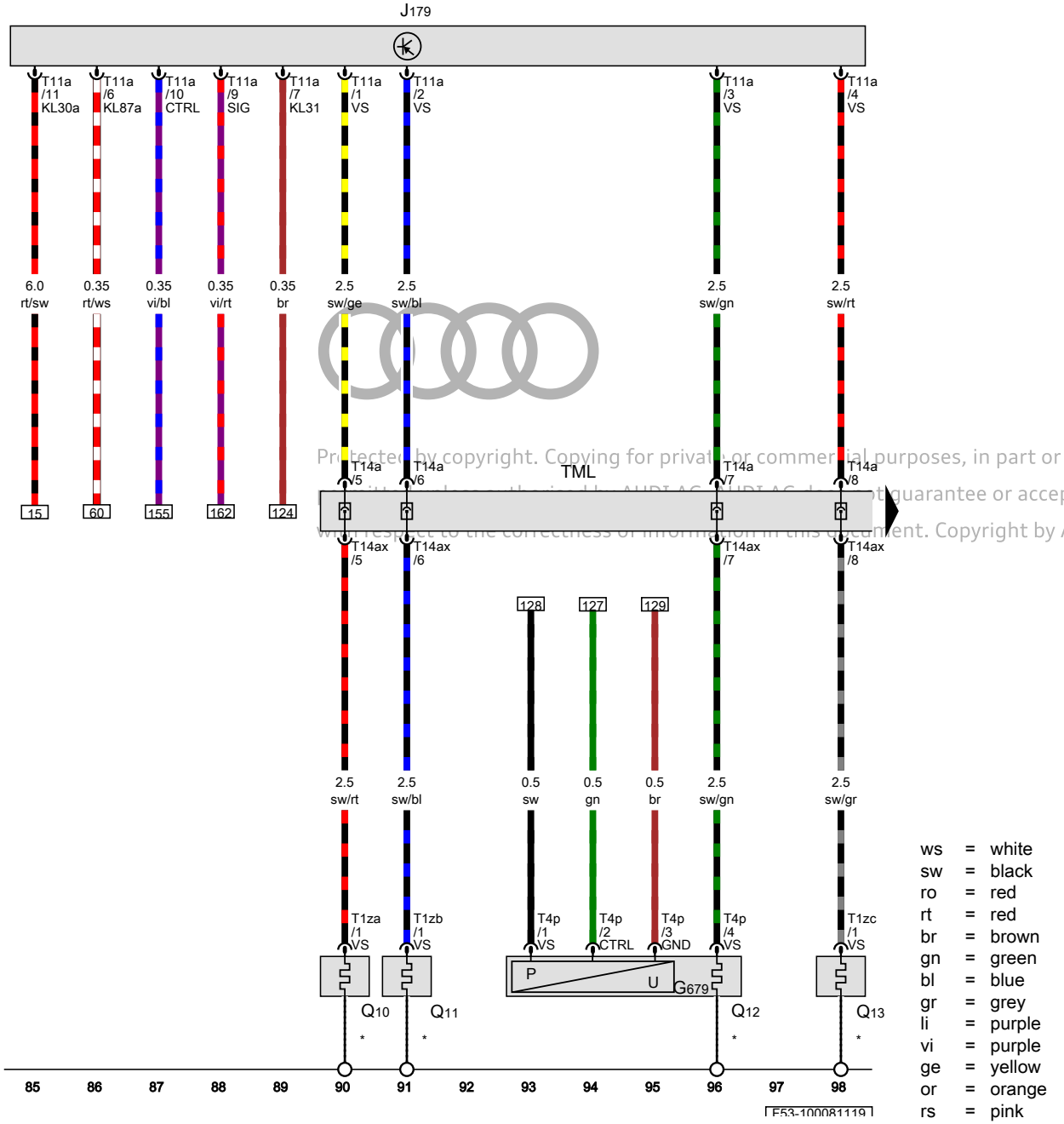
Cylinder 3 combustion chamber pressure sender, Automatic glow period control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

G679	Cylinder 3 combustion chamber pressure sender
J179	Automatic glow period control unit
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
T1bv	1-pin connector
T1za	1-pin connector, black
T1zb	1-pin connector, black
T1zc	1-pin connector, black
T4p	4-pin connector, black
T11a	11-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
TML	Coupling point in engine compartment, left
*	Earth supply via housing



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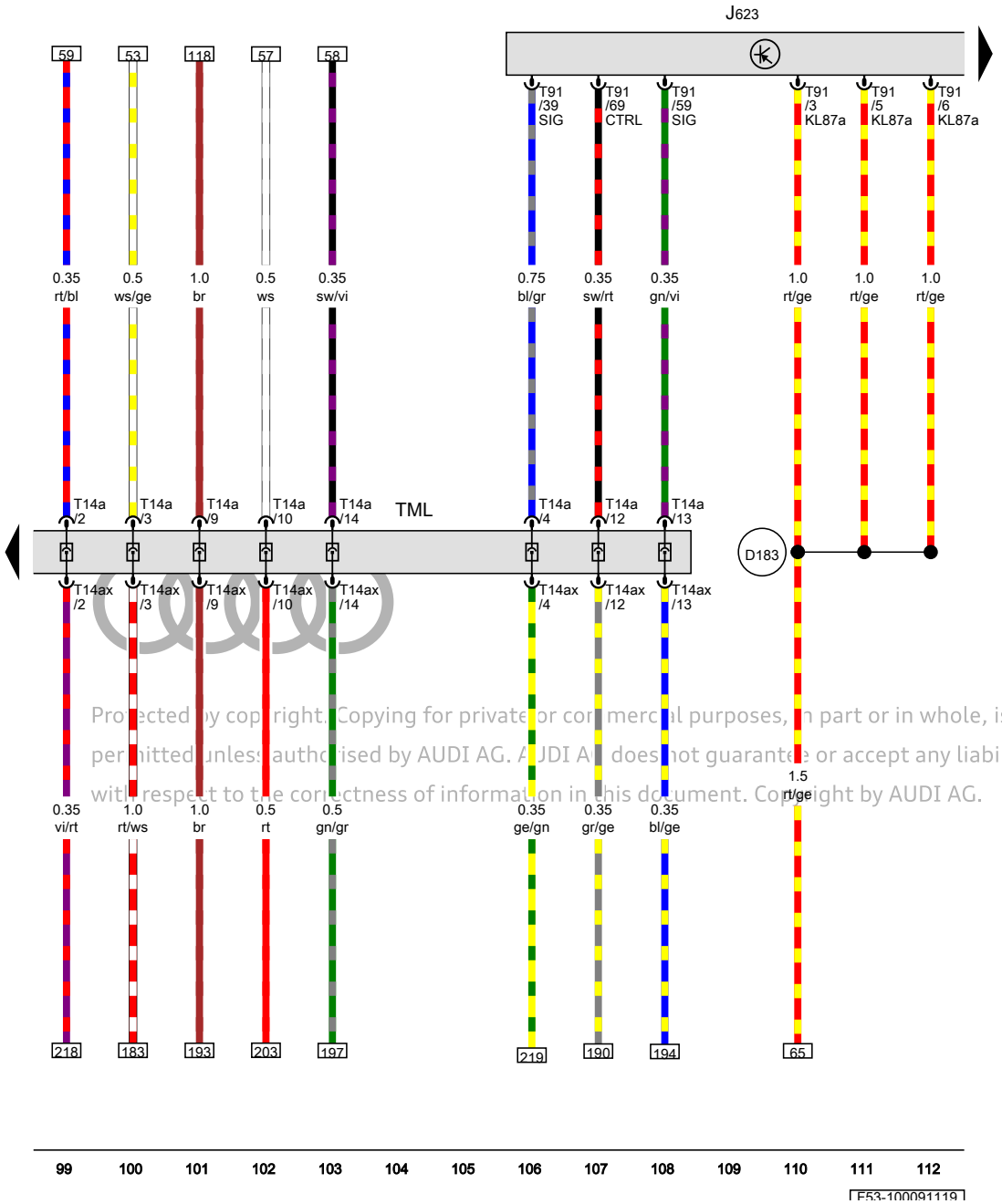

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Engine/motor control unit

J623	Engine/motor control unit, in plenum chamber
T14a	14-pin connector, black
T14ax	14-pin connector, black
T91	91-pin connector, black
TML	Coupling point in engine compartment, left
D183	Connection 4 (87a), in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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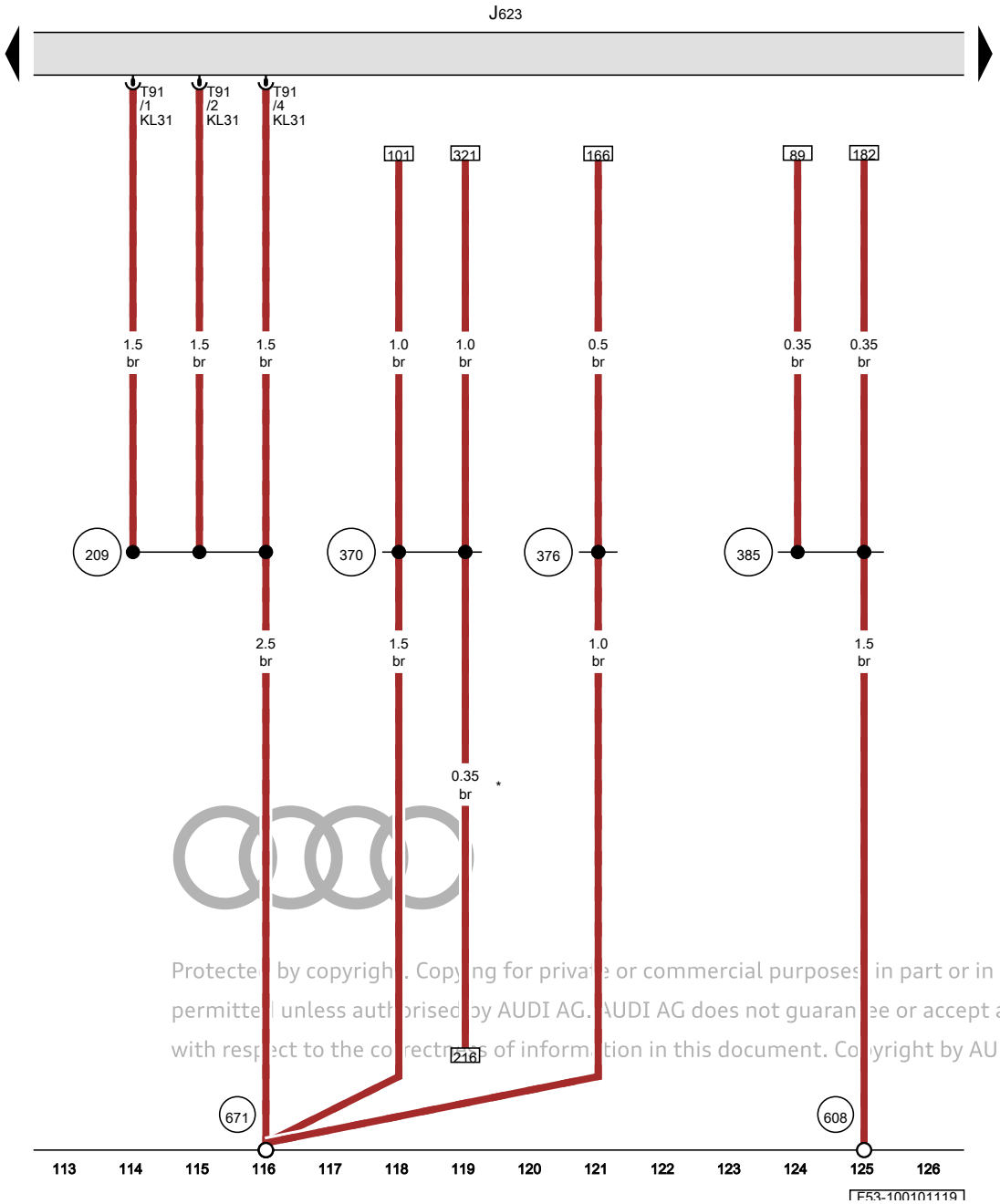

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li = purple
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Engine/motor control unit

J623 Engine/motor control unit, in plenum chamber
T91 91-pin connector, black

209 Earth connection 6, in engine compartment wiring harness

370 Earth connection 5, in main wiring harness

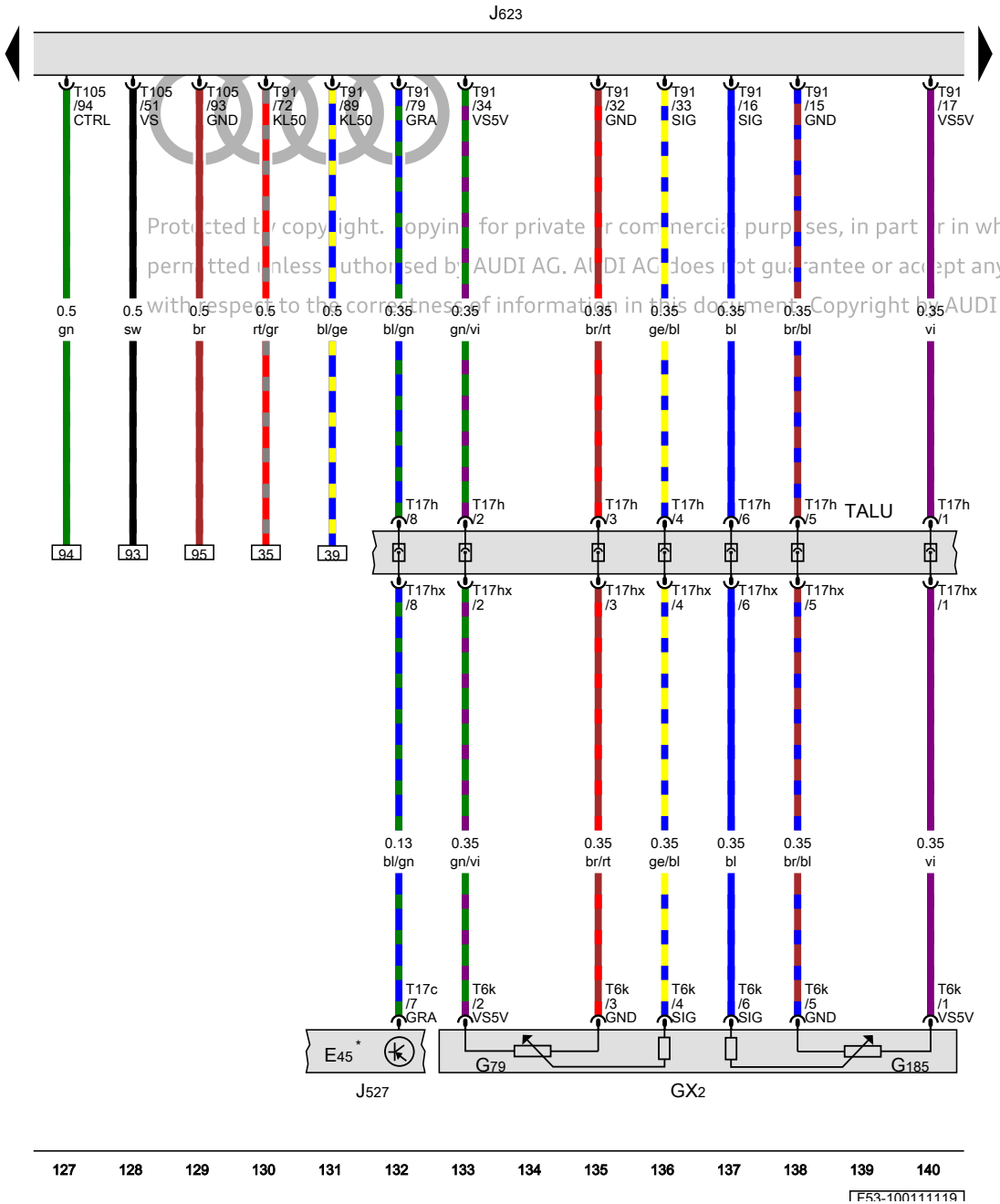
376 Earth connection 11, in main wiring harness

385 Earth connection 20, in main wiring harness

608 Earth point, central in plenum chamber

671 Earth point 1, on front of left longitudinal member

* According to equipment



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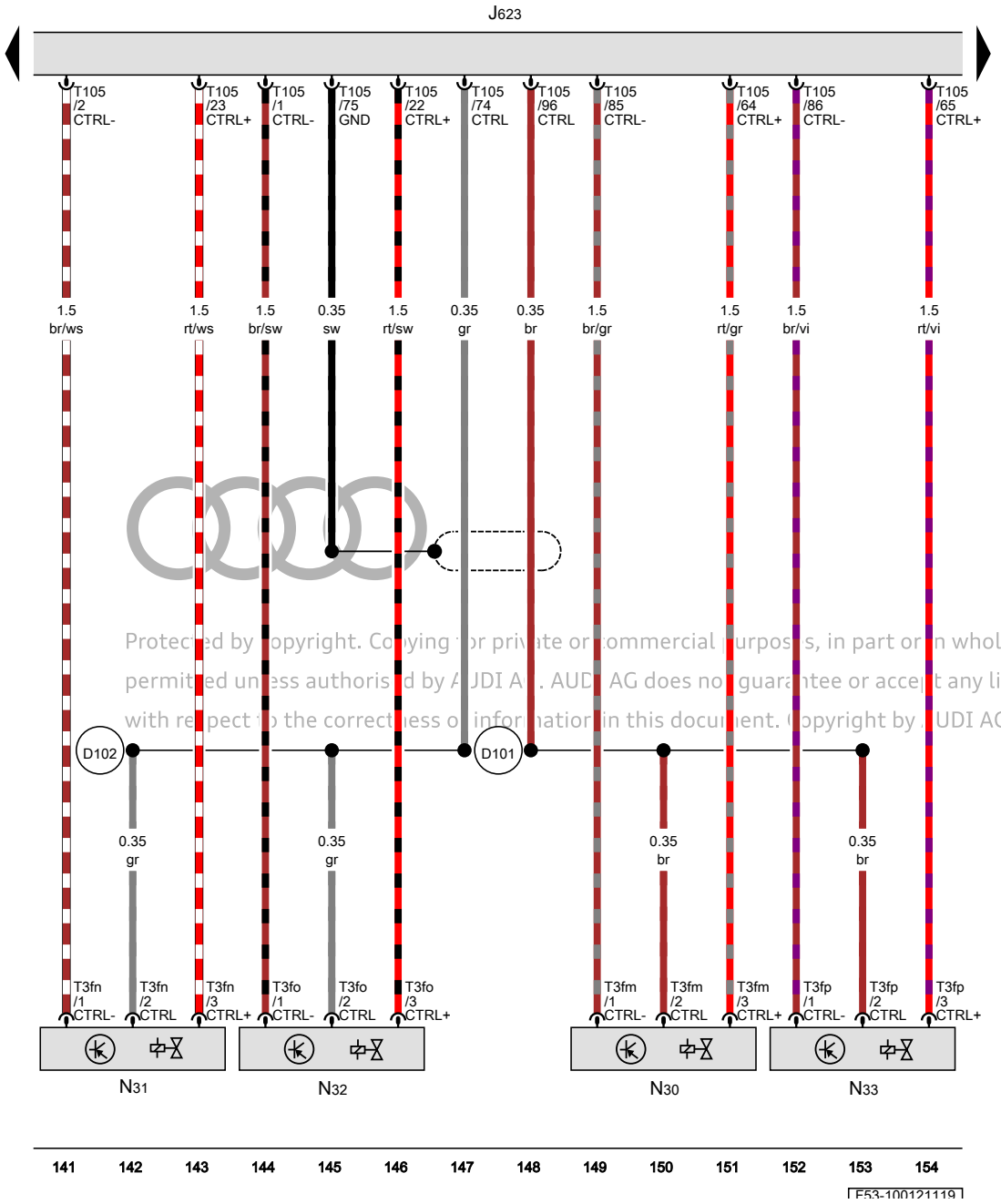
Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, in plenum chamber
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
T105	105-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with cruise control system (CCS)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

J623	Engine/motor control unit, in plenum chamber
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T3fm	3-pin connector, black
T3fn	3-pin connector, black
T3fo	3-pin connector, black
T3fp	3-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness



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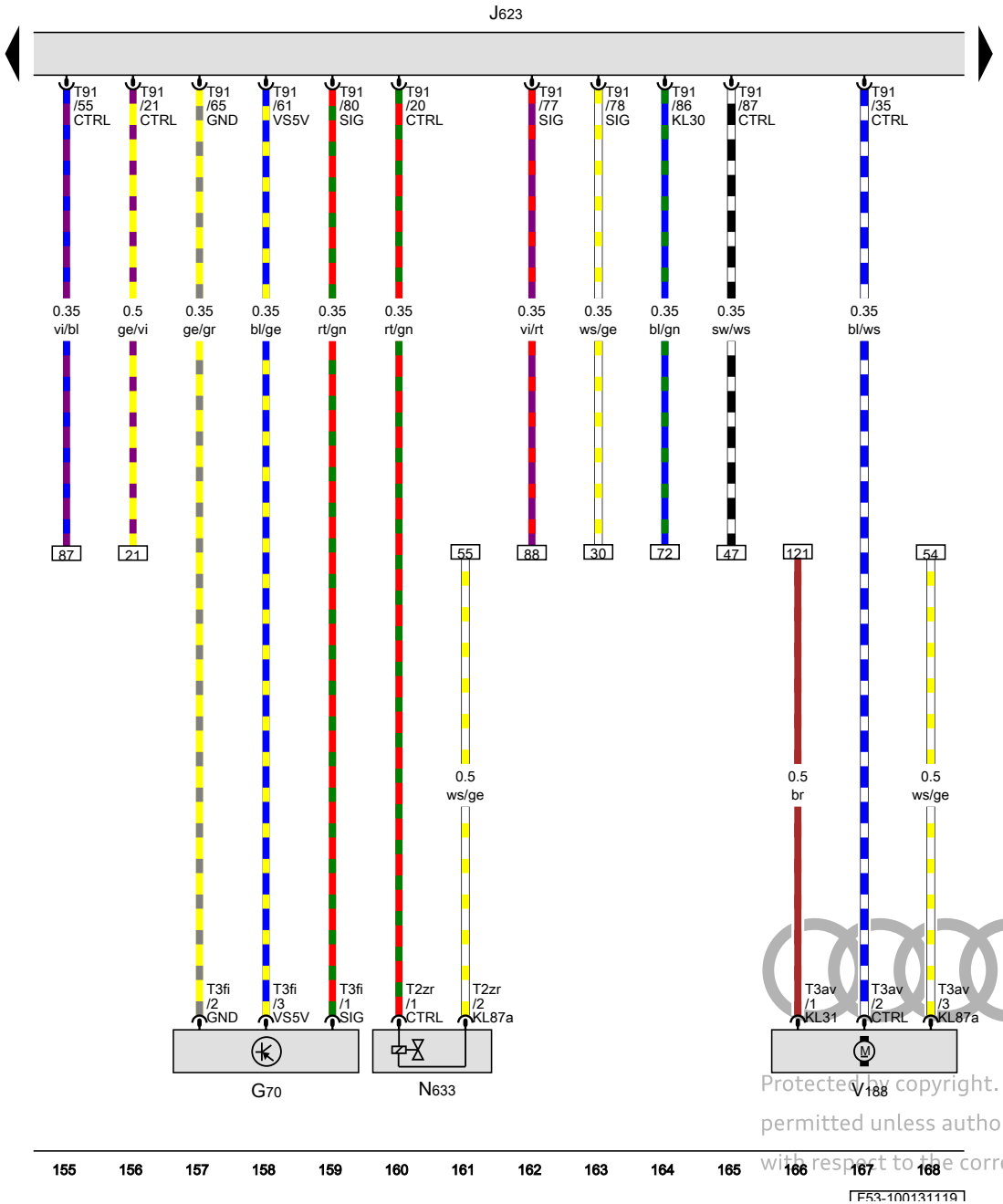
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Air mass meter, Engine/motor control unit, Coolant changeover valve 2, Charge air cooling pump

G70	Air mass meter
J623	Engine/motor control unit, in plenum chamber
N633	Coolant changeover valve 2
T2zr	2-pin connector, black
T3av	3-pin connector, black
T3fi	3-pin connector, black
T91	91-pin connector, black
V188	Charge air cooling pump



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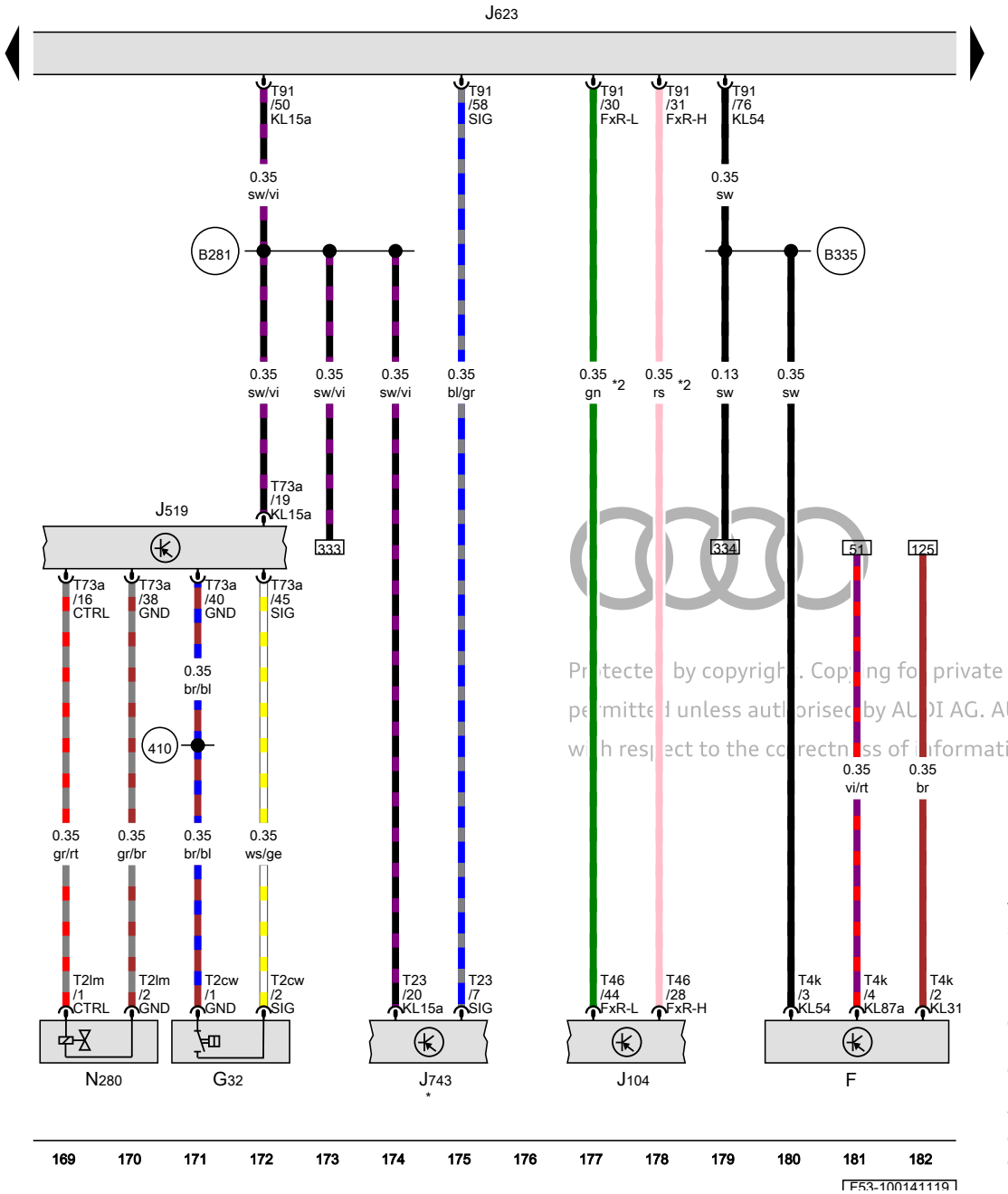

Brake light switch, Coolant shortage indicator sender, ABS control unit, Onboard supply control unit, Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Air conditioner compressor regulating valve

F	Brake light switch
G32	Coolant shortage indicator sender
J104	ABS control unit
J519	Onboard supply control unit
J623	Engine/motor control unit, in plenum chamber
J743	Mechatronic unit for dual clutch gearbox
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2lm	2-pin connector, black
T4k	4-pin connector, black
T23	23-pin connector, black
T46	46-pin connector, black
T73a	73-pin connector, black
T91	91-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
B335	Connection 1 (54), in main wiring harness
*	see applicable current flow diagram for dual clutch gearbox
*2	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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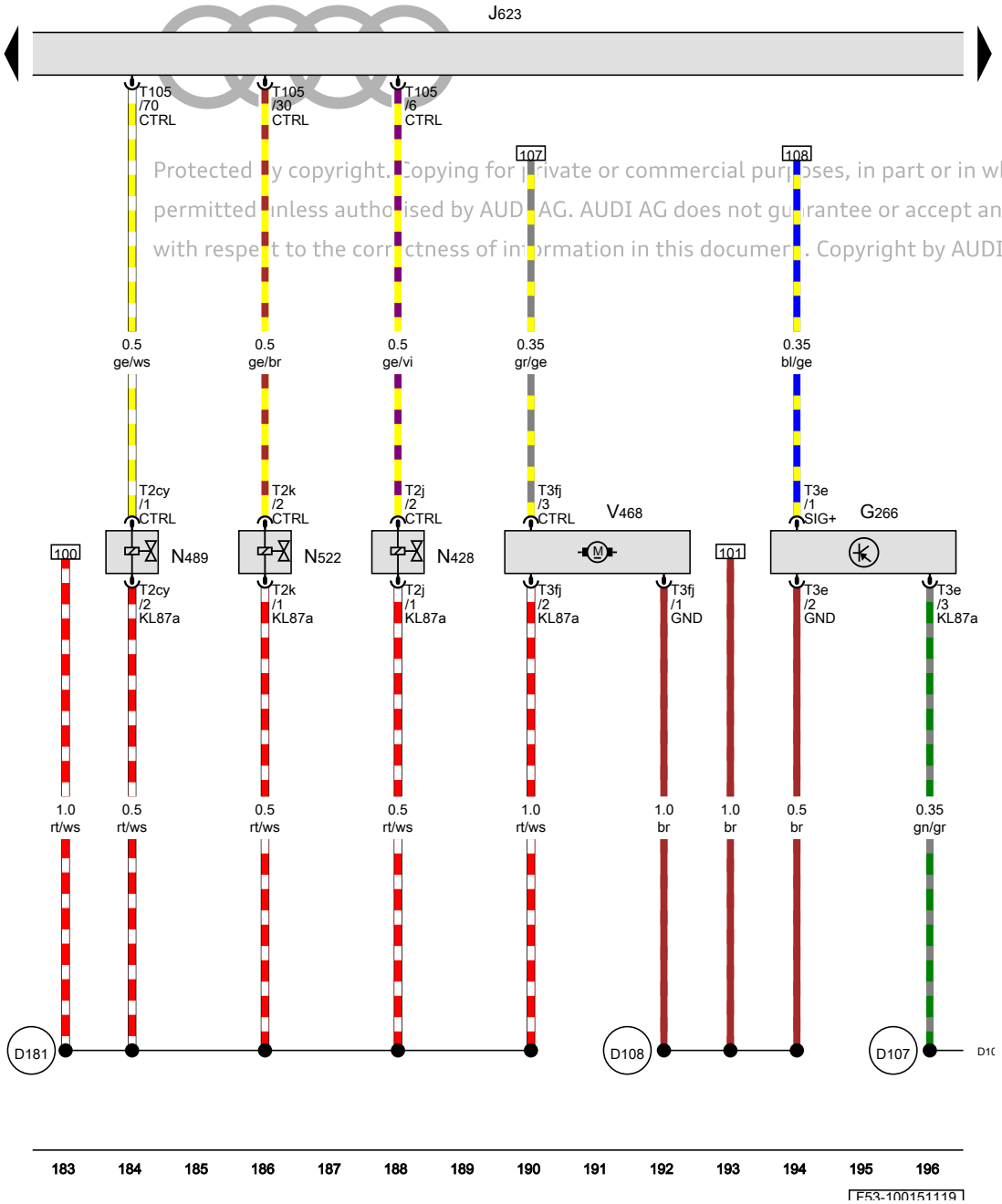

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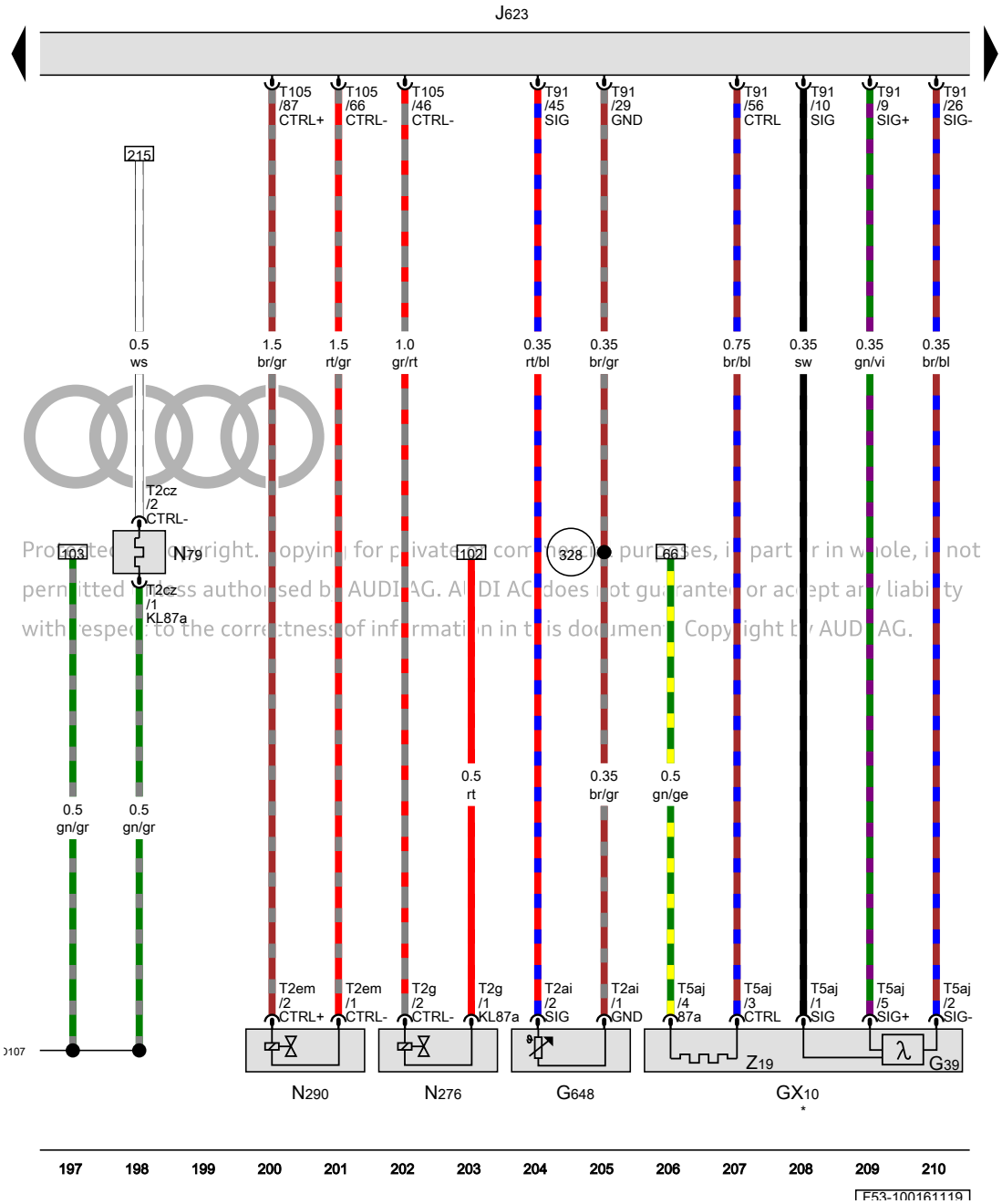
Oil level and oil temperature sender, Engine/motor control unit, Valve for oil pressure control, Coolant valve for cylinder head, Piston cooling jet control valve, Coolant pump for low-temperature circuit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, in plenum chamber
N428	Valve for oil pressure control
N489	Coolant valve for cylinder head
N522	Piston cooling jet control valve
T2cy	2-pin connector, brown
T2j	2-pin connector, black
T2k	2-pin connector, black
T3e	3-pin connector, black
T3fj	3-pin connector, black
T105	105-pin connector, black
V468	Coolant pump for low-temperature circuit
D107	Connection 5 in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness
D181	Connection 2 (87a), in engine compartment wiring harness



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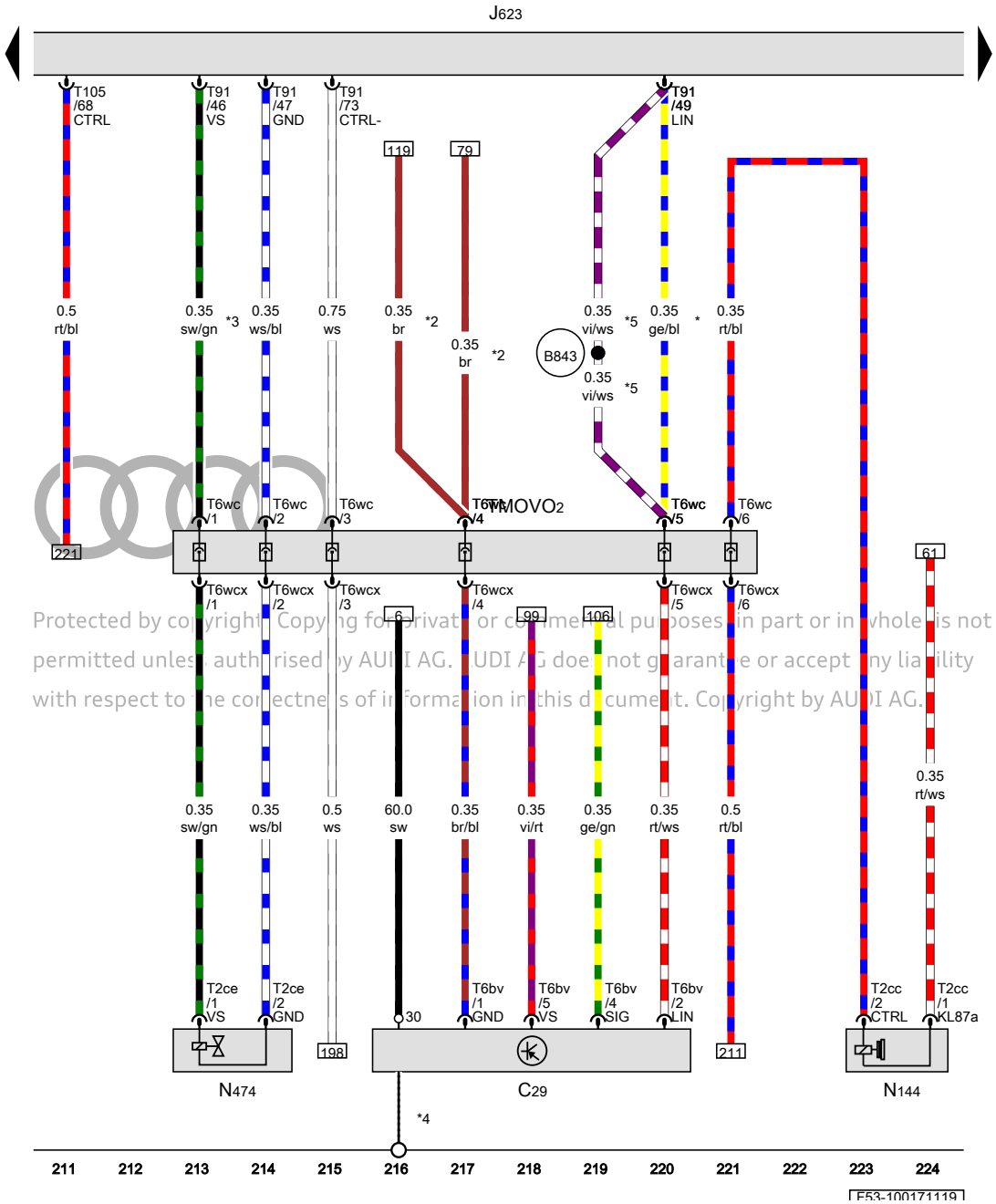
Lambda probe 1 before catalytic converter, Lambda probe, Exhaust gas temperature sender 4, Engine/motor control unit, Heater element for crankcase breather, Fuel pressure regulating valve, Fuel metering valve

GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G648	Exhaust gas temperature sender 4
J623	Engine/motor control unit, in plenum chamber
N79	Heater element for crankcase breather
N276	Fuel pressure regulating valve
N290	Fuel metering valve
T2ai	2-pin connector, black
T2cz	2-pin connector, black
T2em	2-pin connector, black
T2g	2-pin connector, black
T5aj	5-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
Z19	Lambda probe heater
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness
*	Pre-wired component



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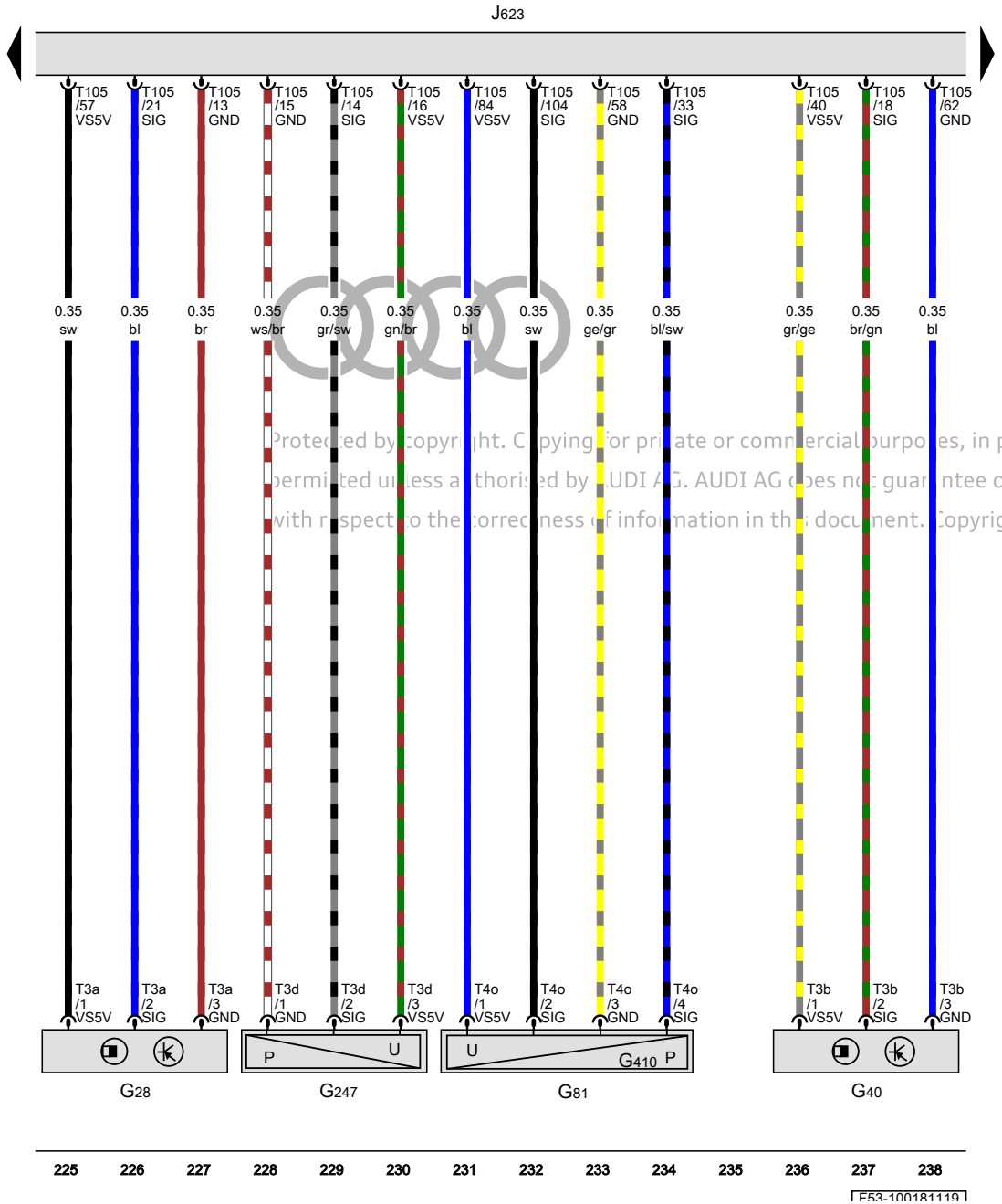
Starter-alternator, Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Injector for reducing agent

C29	Starter-alternator
J623	Engine/motor control unit, in plenum chamber
N144	Left electrohydraulic engine mounting solenoid valve
N474	Injector for reducing agent
T2cc	2-pin connector, colourless
T2ce	2-pin connector, colourless
T6bv	6-pin connector, black
T6wc	6-pin connector, black
T6wcx	6-pin connector, black
TMOVO2	Coupling point 2 for engine prewiring harness
T91	91-pin connector, black
T105	105-pin connector, black
B843	Connection 9 (LIN bus) in main wiring harness
*	Gradually discontinued
*2	According to equipment
*3	Different wire colour possible
*4	Earth supply via housing
*5	gradual introduction



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Engine speed sender, Hall sender, Fuel temperature sender, Fuel pressure sender, Engine/motor control unit

G28	Engine speed sender
G40	Hall sender
G81	Fuel temperature sender
G247	Fuel pressure sender
G410	Fuel pressure sender for low pressure
J623	Engine/motor control unit, in plenum chamber
T3a	3-pin connector, black
T3b	3-pin connector, black
T3d	3-pin connector, black
T4o	4-pin connector, black
T105	105-pin connector, black

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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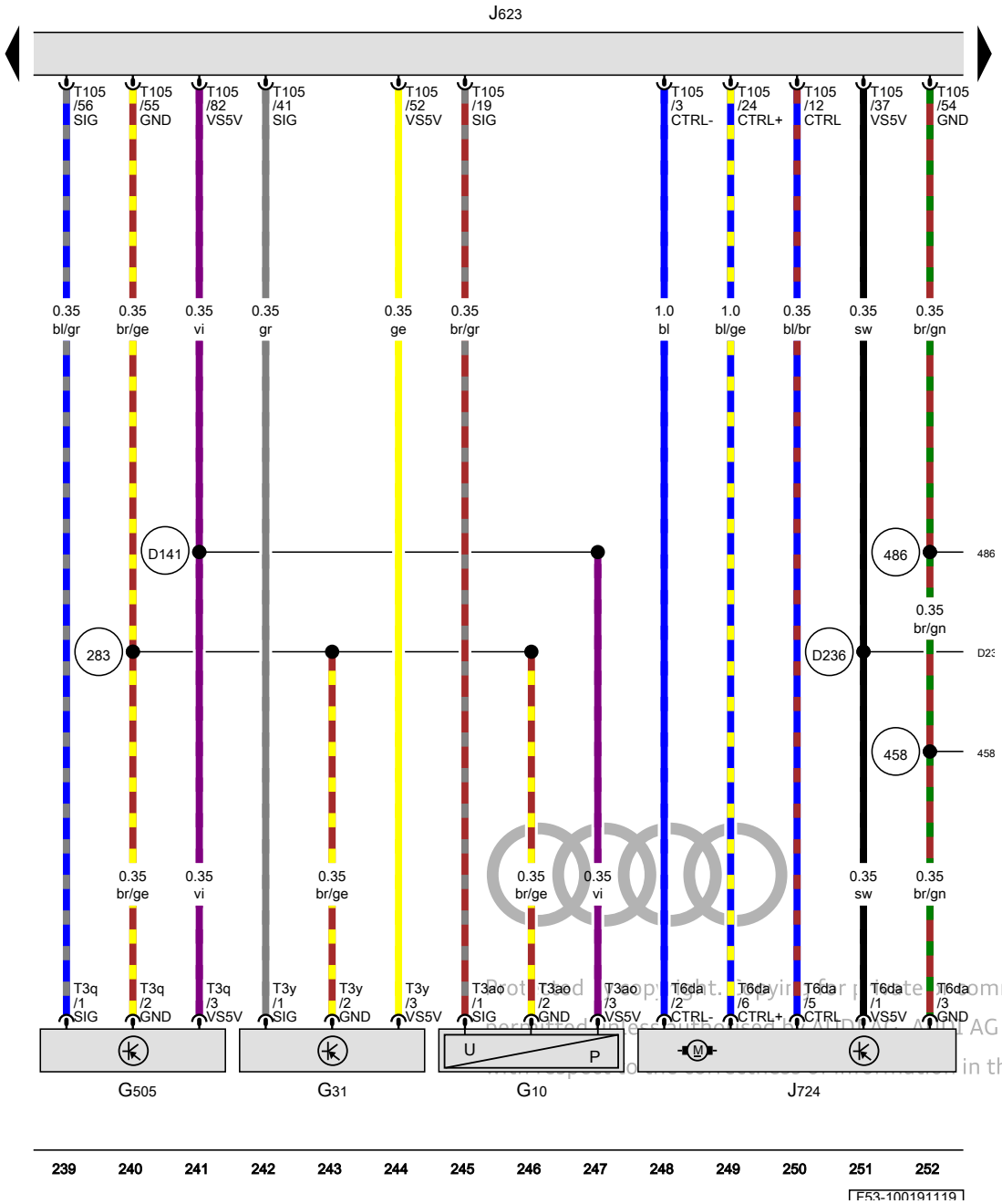

Oil pressure sender, Charge pressure sender, Pressure differential sender, Engine/motor control unit, Turbocharger 1 control unit

G10	Oil pressure sender
G31	Charge pressure sender
G505	Pressure differential sender
J623	Engine/motor control unit, in plenum chamber
J724	Turbocharger 1 control unit
T3ao	3-pin connector, black
T3q	3-pin connector, black
T3y	3-pin connector, black
T6da	6-pin connector, black
T105	105-pin connector, black
283	Earth point 2, engine prewiring harness
458	Earth point 3, engine prewiring harness
486	Earth point 4, engine prewiring harness
D141	Connection (5V) in engine prewiring harness
D236	Connection 5 (5V) in engine prewiring harness

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rt	=	red
br	=	brown
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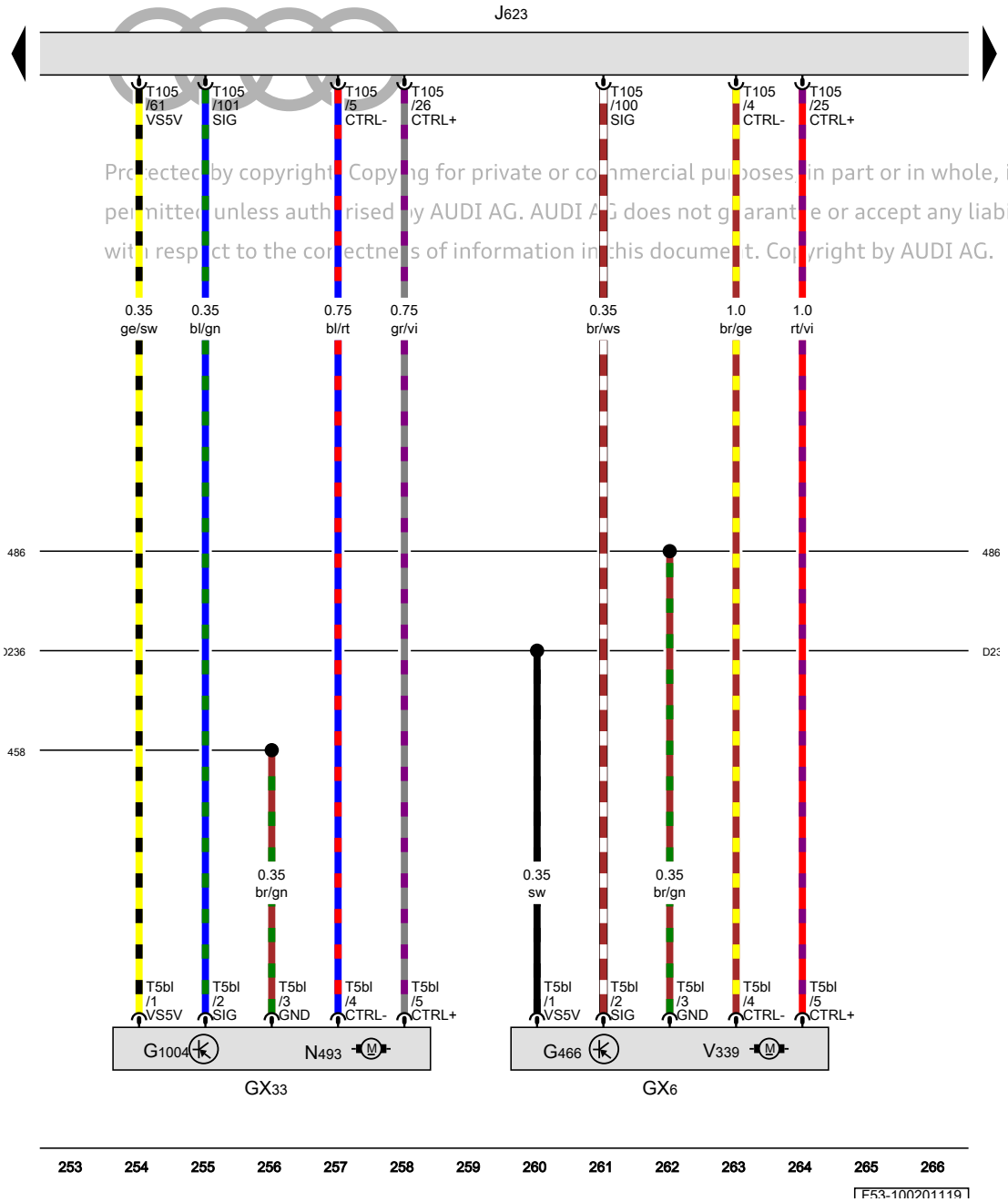

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Exhaust gas recirculation valve 2, Engine temperature regulation module, Engine/motor control unit

GX6	Exhaust gas recirculation valve 2
GX33	Engine temperature regulation module
G466	Exhaust gas recirculation potentiometer 2
G1004	Position sender for engine temperature regulation
J623	Engine/motor control unit, in plenum chamber
N493	Actuator for engine temperature regulation
T5bl	5-pin connector, brown
T105	105-pin connector, black
V339	Exhaust gas recirculation control motor 2
458	Earth point 3, engine prewiring harness
486	Earth point 4, engine prewiring harness
D236	Connection 5 (5V) in engine prewiring harness

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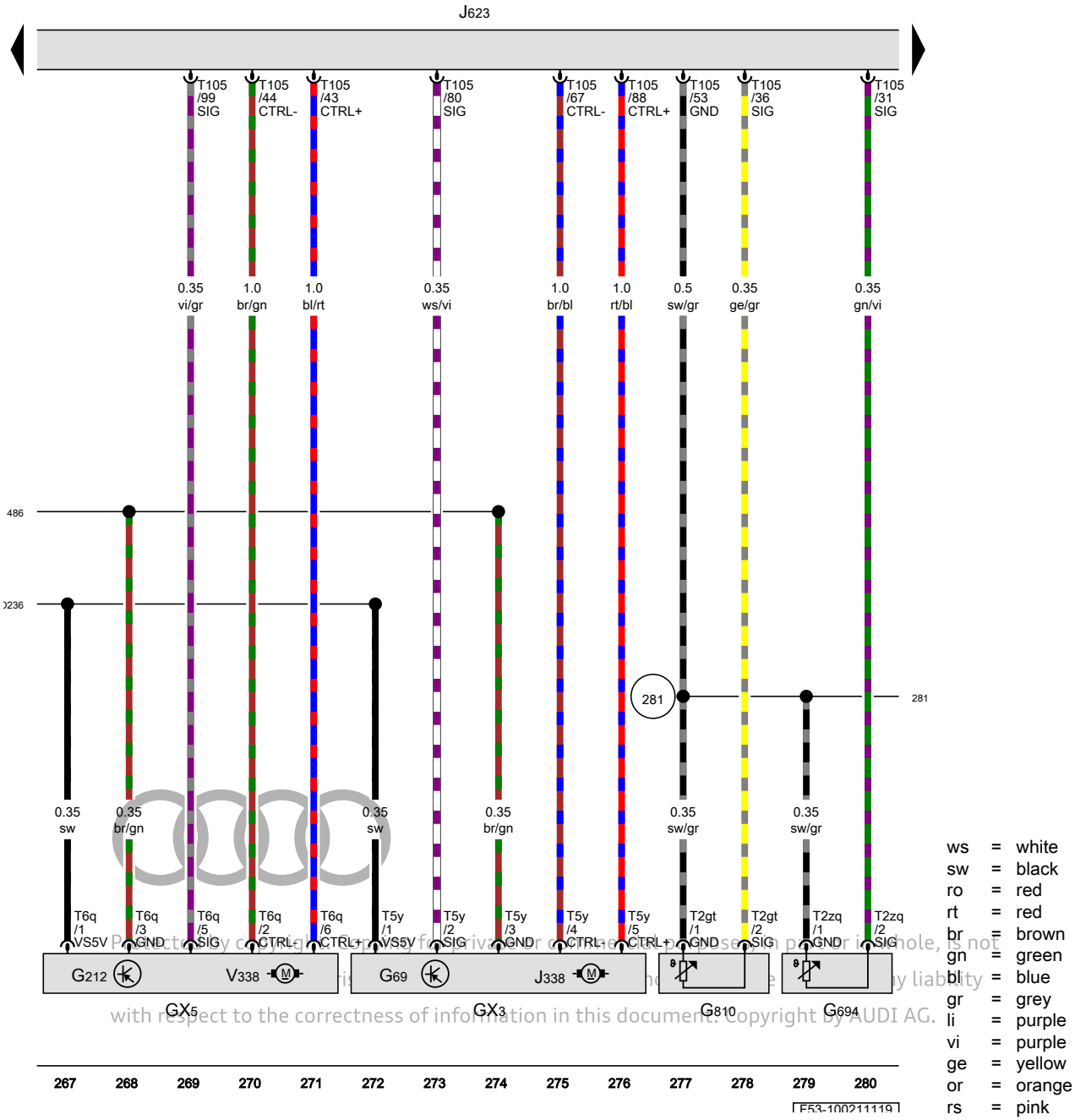

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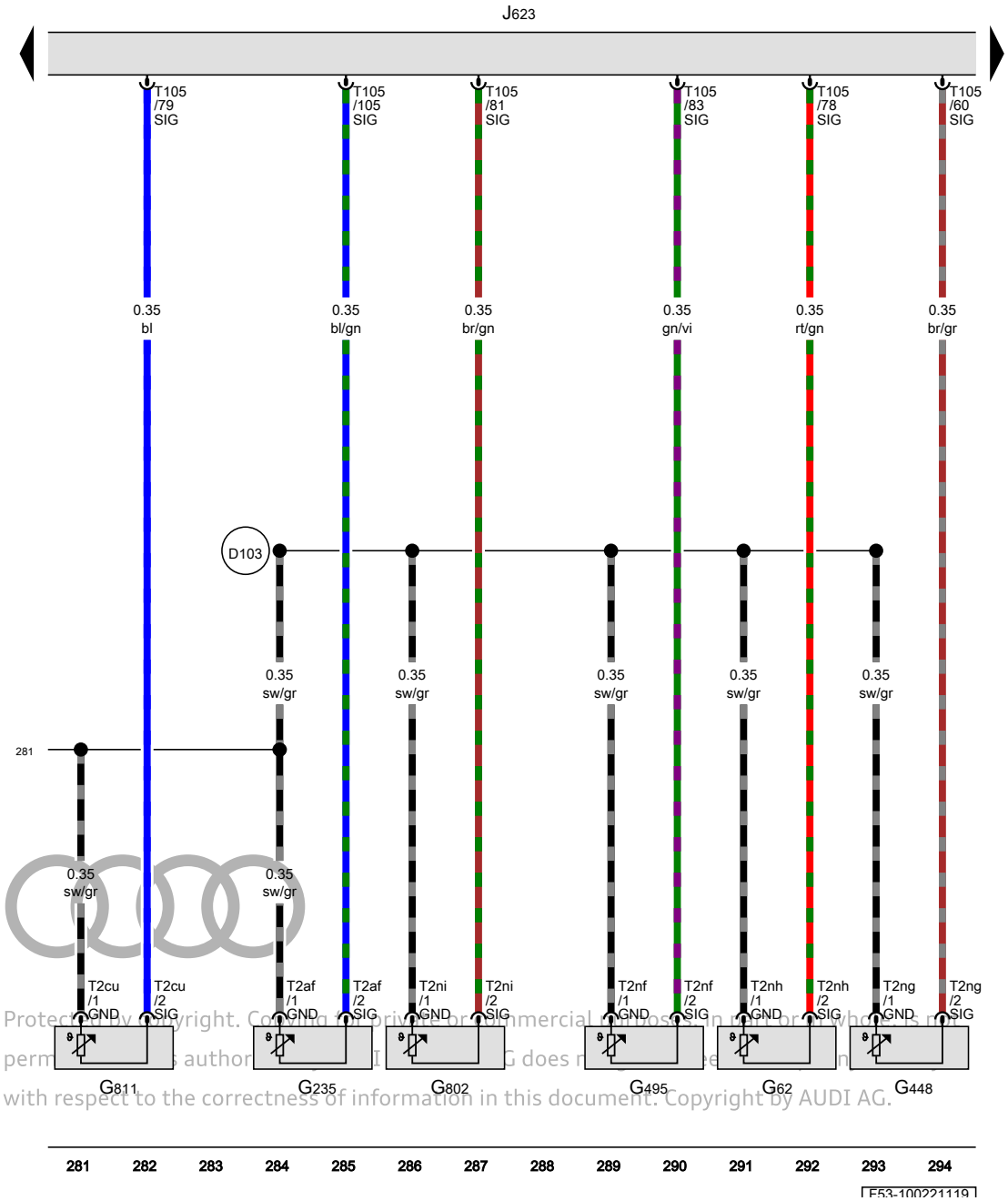
Throttle valve module, Exhaust gas recirculation valve 1, Temperature sender for engine temperature regulation, Charge air temperature sender before charge air cooler, Engine/motor control unit

GX3	Throttle valve module
GX5	Exhaust gas recirculation valve 1
G69	Throttle valve potentiometer
G212	Exhaust gas recirculation potentiometer
G694	Temperature sender for engine temperature regulation
G810	Charge air temperature sender before charge air cooler
J338	Throttle valve module
J623	Engine/motor control unit, in plenum chamber
T2gt	2-pin connector, black
T2zq	2-pin connector, brown
T5y	5-pin connector, black
T6q	6-pin connector, grey
T105	105-pin connector, black
V338	Exhaust gas recirculation control motor
281	Earth point 1, engine prewiring harness
486	Earth point 4, engine prewiring harness
D236	Connection 5 (5V) in engine prewiring harness



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Coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Coolant temperature sender 2, Charge air temperature sender after charge air cooler, Engine/motor control unit

G62	Coolant temperature sender
G235	Exhaust gas temperature sender 1
G448	Exhaust gas temperature sender 2
G495	Exhaust gas temperature sender 3
G802	Coolant temperature sender 2
G811	Charge air temperature sender after charge air cooler
J623	Engine/motor control unit, in plenum chamber
T2af	2-pin connector, black
T2cu	2-pin connector, black
T2nf	2-pin connector, brown
T2ng	2-pin connector, grey
T2nh	2-pin connector, brown
T2ni	2-pin connector, black
T105	105-pin connector, black
281	Earth point 1, engine prewiring harness
D103	Connection 3 in engine compartment wiring harness

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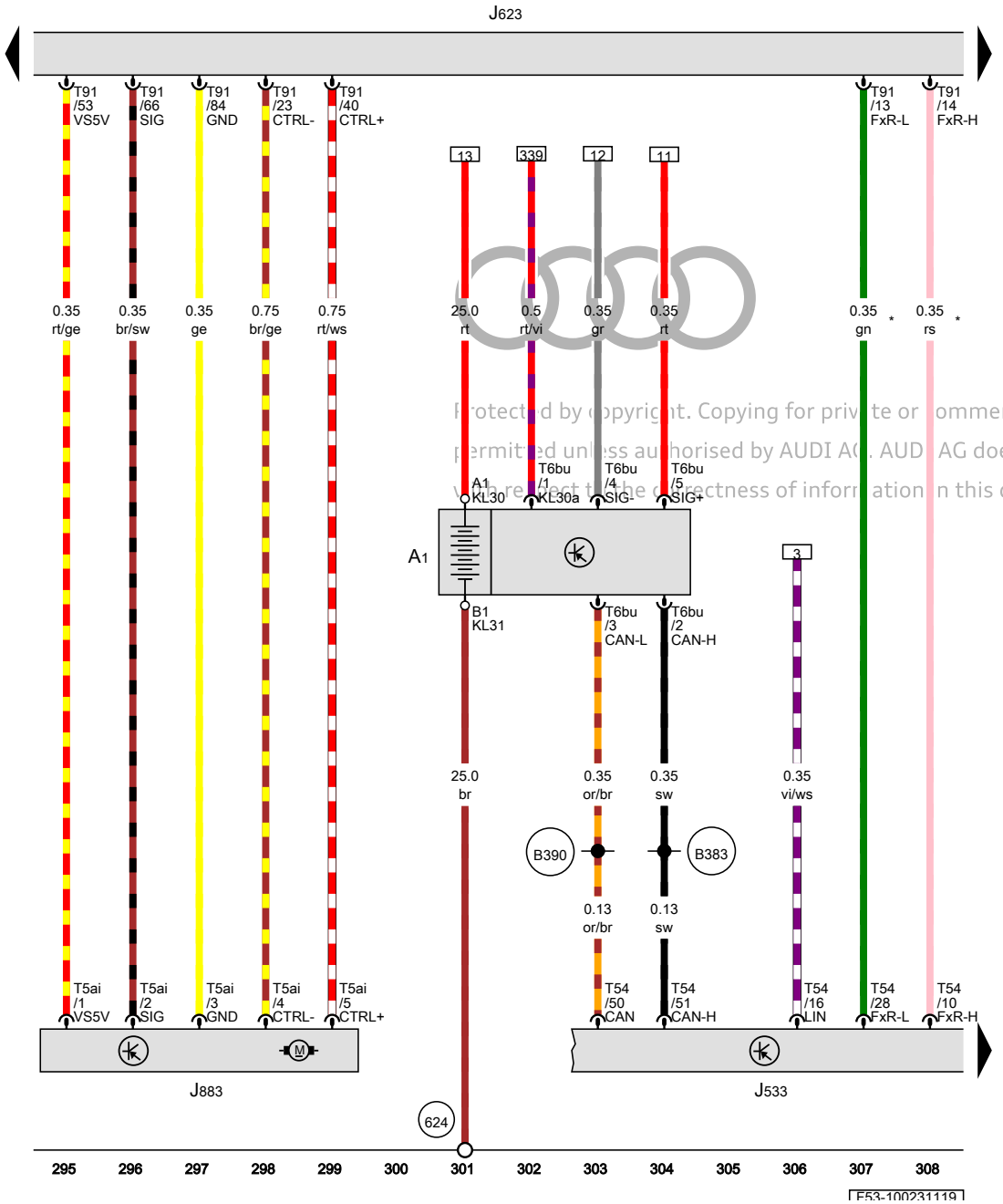

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Second battery, Data bus diagnostic interface, Engine/ motor control unit, Exhaust flap control unit

A1	Second battery, in luggage compartment
J533	Data bus diagnostic interface
J623	Engine/motor control unit, in plenum chamber
J883	Exhaust flap control unit
T5ai	5-pin connector, black
T6bu	6-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
624	Earth point, starter battery
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
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rt	=	red
br	=	brown
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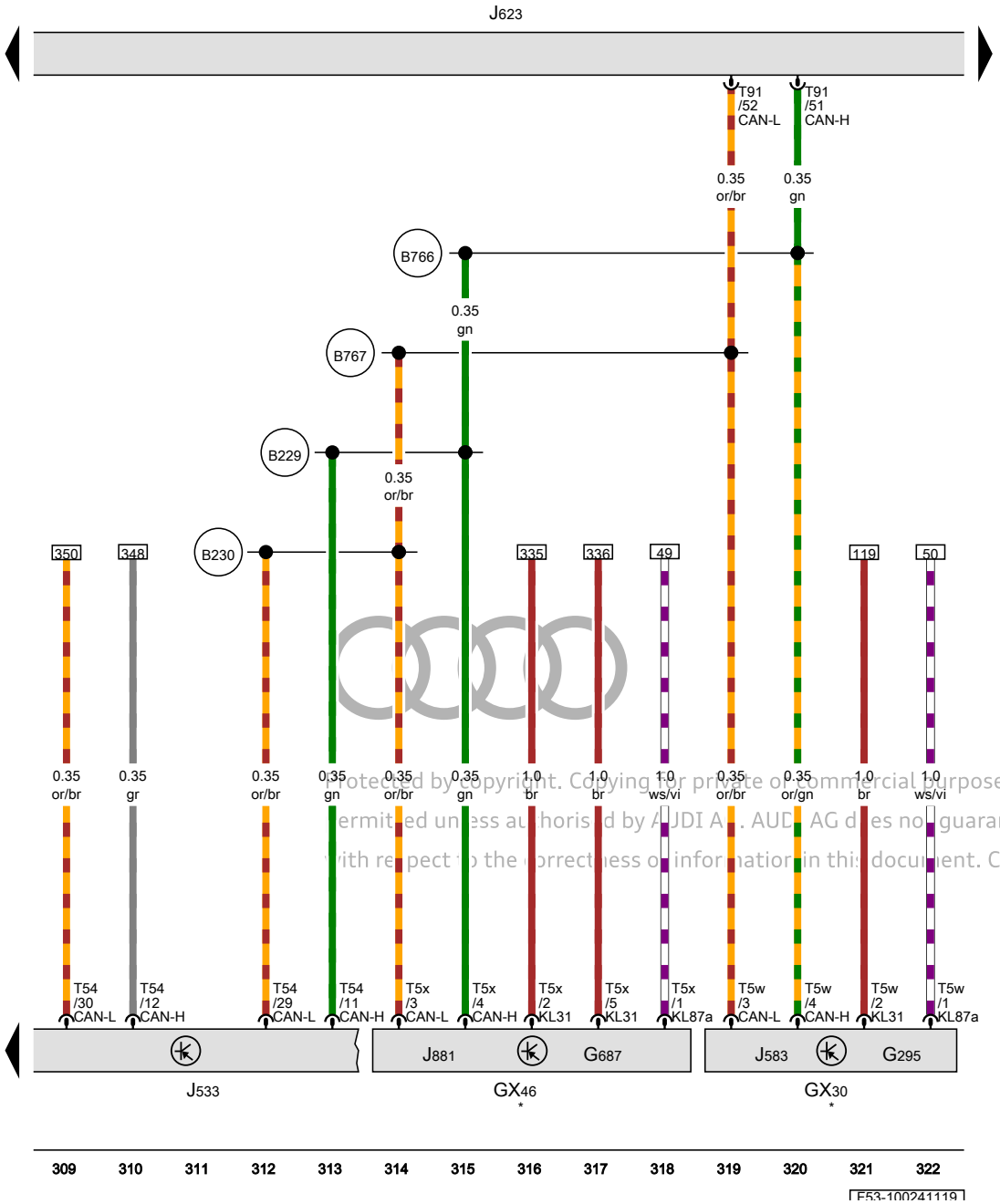

Control unit for NOx sender, Control unit 2 for NOx sender, Data bus diagnostic interface, Engine/motor control unit

GX30	Control unit for NOx sender
GX46	Control unit 2 for NOx sender
G295	NOx sender
G687	NOx sender 2
J533	Data bus diagnostic interface
J583	Control unit for NOx sender
J623	Engine/motor control unit, in plenum chamber
J881	Control unit for NOx sender 2
T5w	5-pin connector, black
T5x	5-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness
B766	Connection 2 (high bus), in interior wiring harness
B767	Connection 2 (low bus), in interior wiring harness
*	Pre-wired component

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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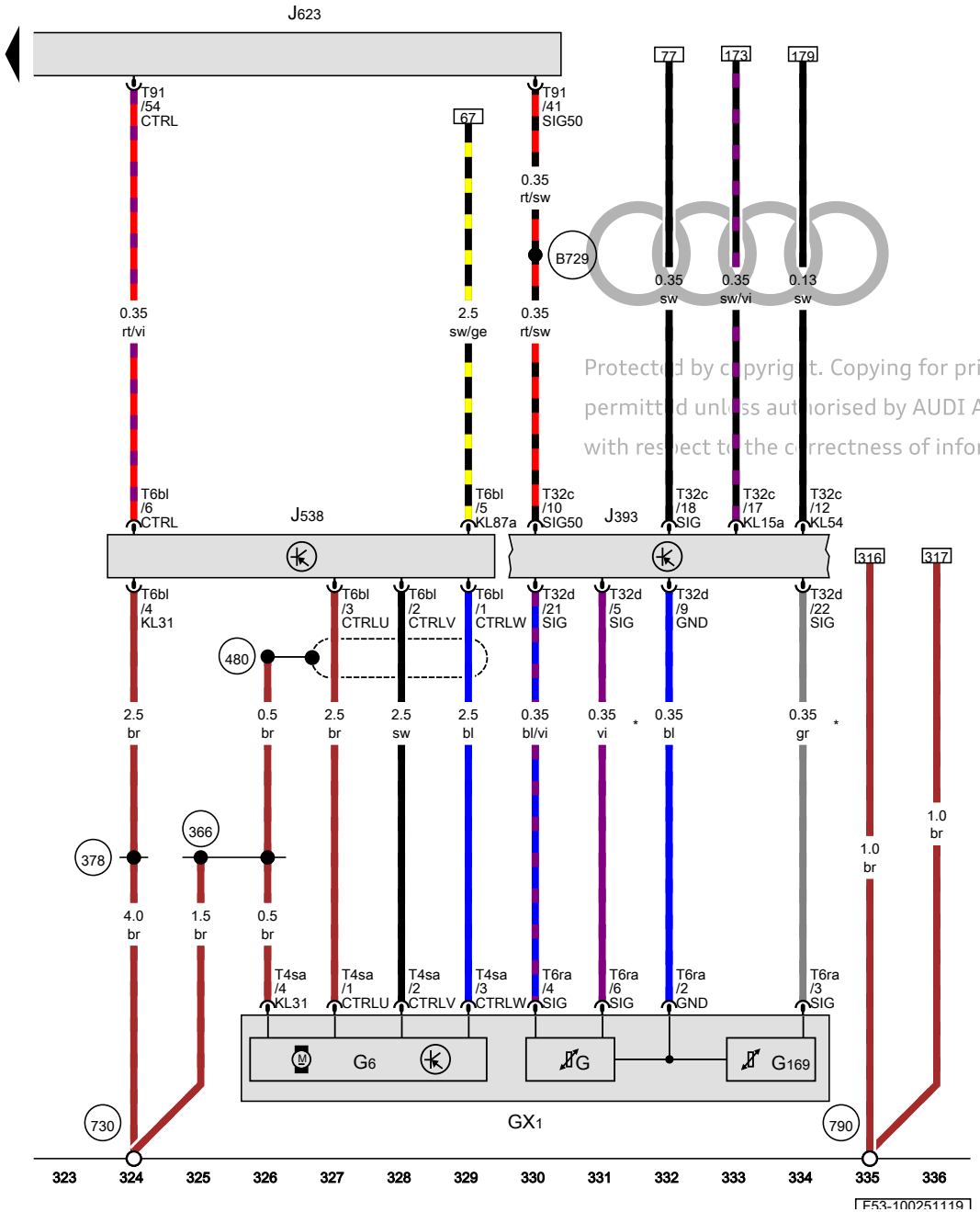

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Fuel gauge sender, Fuel delivery unit, Fuel system pressurisation pump, Fuel gauge sender 2, Convenience system central control unit, Fuel pump control unit, Engine/ motor control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
J623	Engine/motor control unit, in plenum chamber
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
T91	91-pin connector, black
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
790	Earth point on front left of underbody
B729	Connection 1 (50), in main wiring harness
*	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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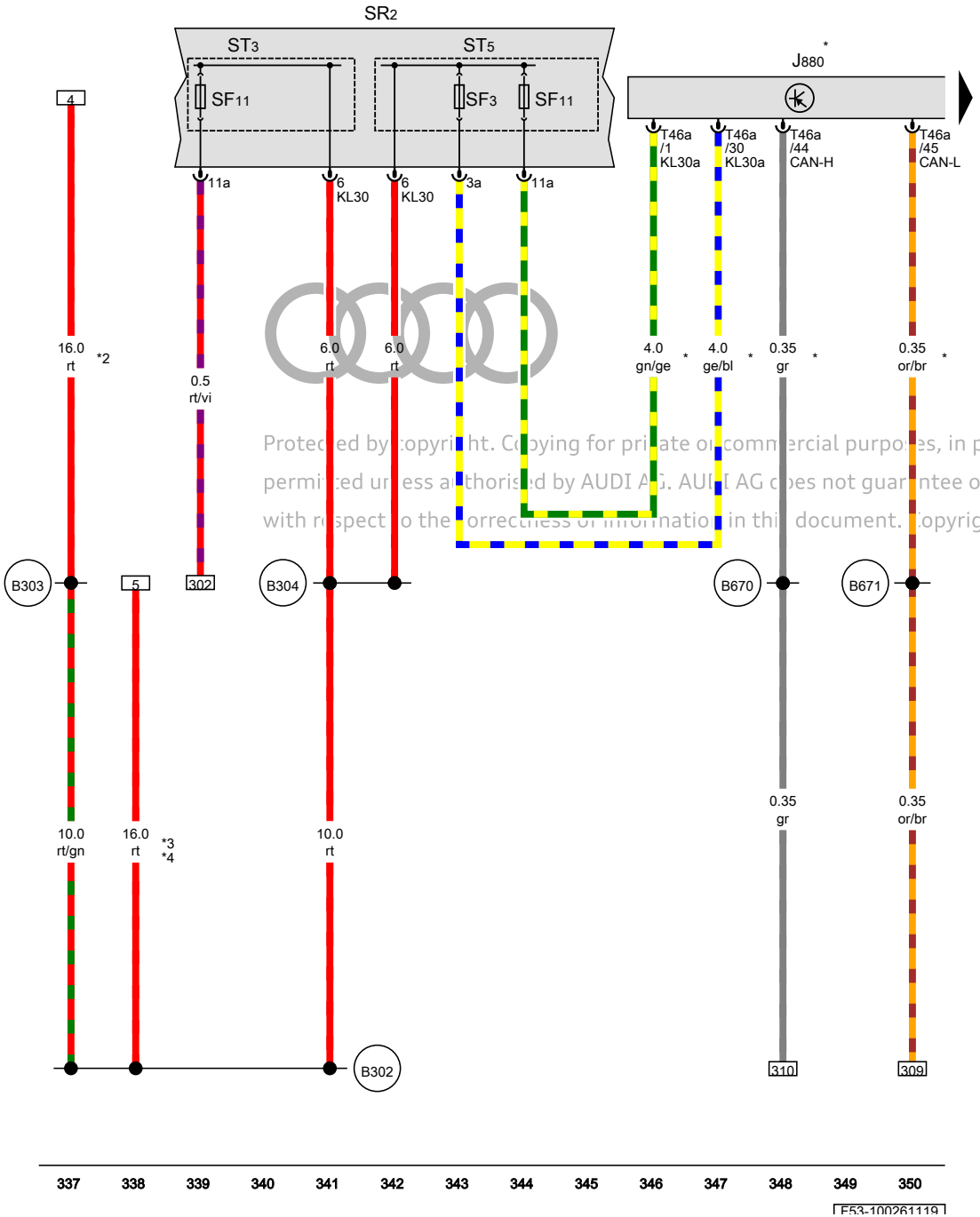

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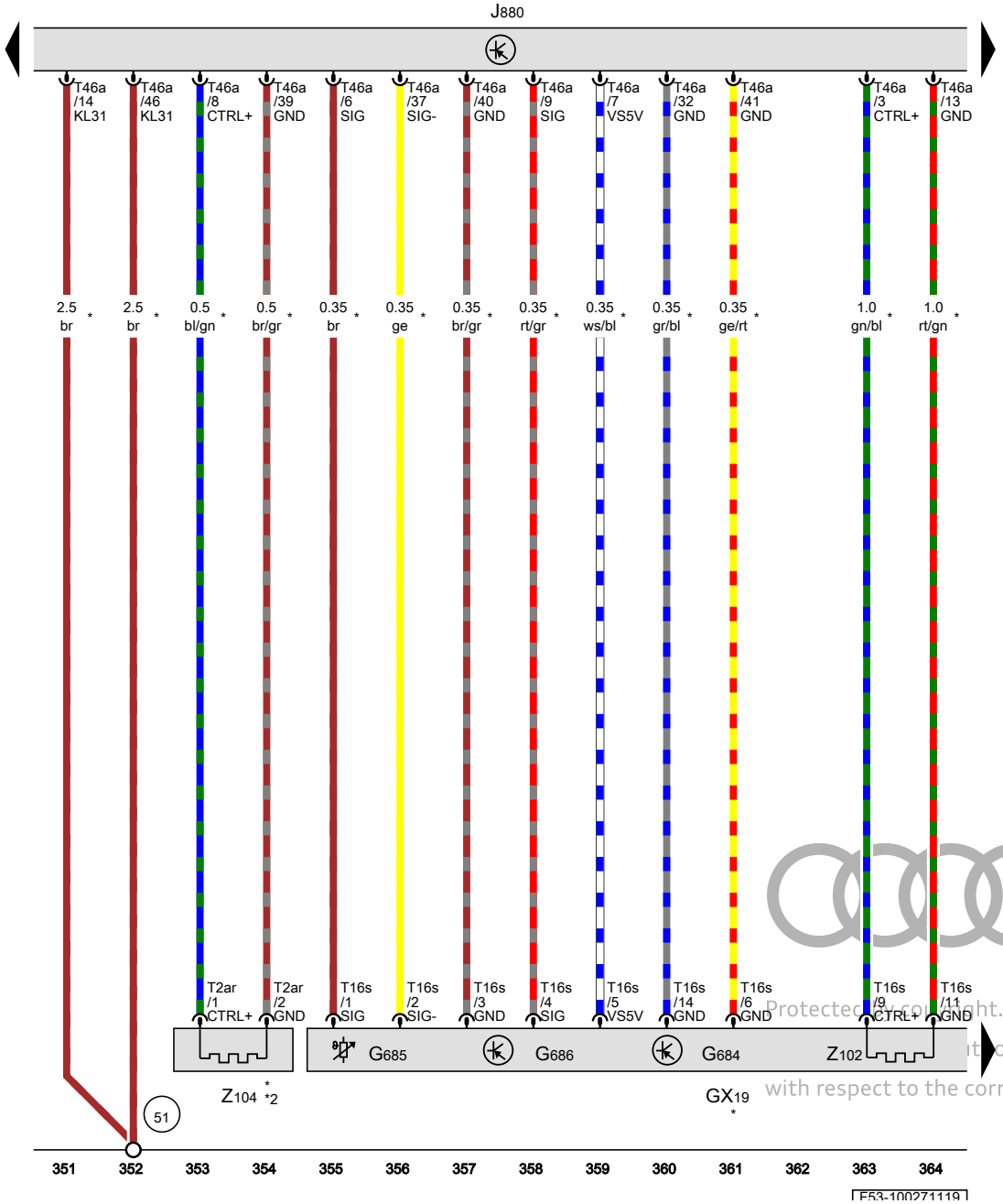
Control unit for reducing agent metering system, Relay and fuse carrier 2

J880	Control unit for reducing agent metering system
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SF3	Fuse 3 in fuse holder F
ST5	Fuse carrier 5, red
SF11	Fuse 11 in fuse holder F
T46a	46-pin connector, black
B302	Positive connection 6 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	For models with reducing agent metering system
*2	For Cabriolet models
*3	Coupé
*4	Sportback



Delivery unit for reducing agent metering system, Tank sender for reducing agent, Temperature sender for reducing agent, Pressure sender for reducing agent metering system, Control unit for reducing agent metering system, Heater for reducing agent tank (heater circuit 1), Heater for reducing agent line (heater circuit 2)

GX19	Delivery unit for reducing agent metering system
G684	Tank sender for reducing agent
G685	Temperature sender for reducing agent
G686	Pressure sender for reducing agent metering system
J880	Control unit for reducing agent metering system
T2ar	2-pin connector, black
T16s	16-pin connector, black
T46a	46-pin connector, black
Z102	Heater for reducing agent tank (heater circuit 1)
Z104	Heater for reducing agent line (heater circuit 2)
51	Earth point, on right in luggage compartment
*	For models with reducing agent metering system
*2	Heater for reducing agent line can comprise multiple sections

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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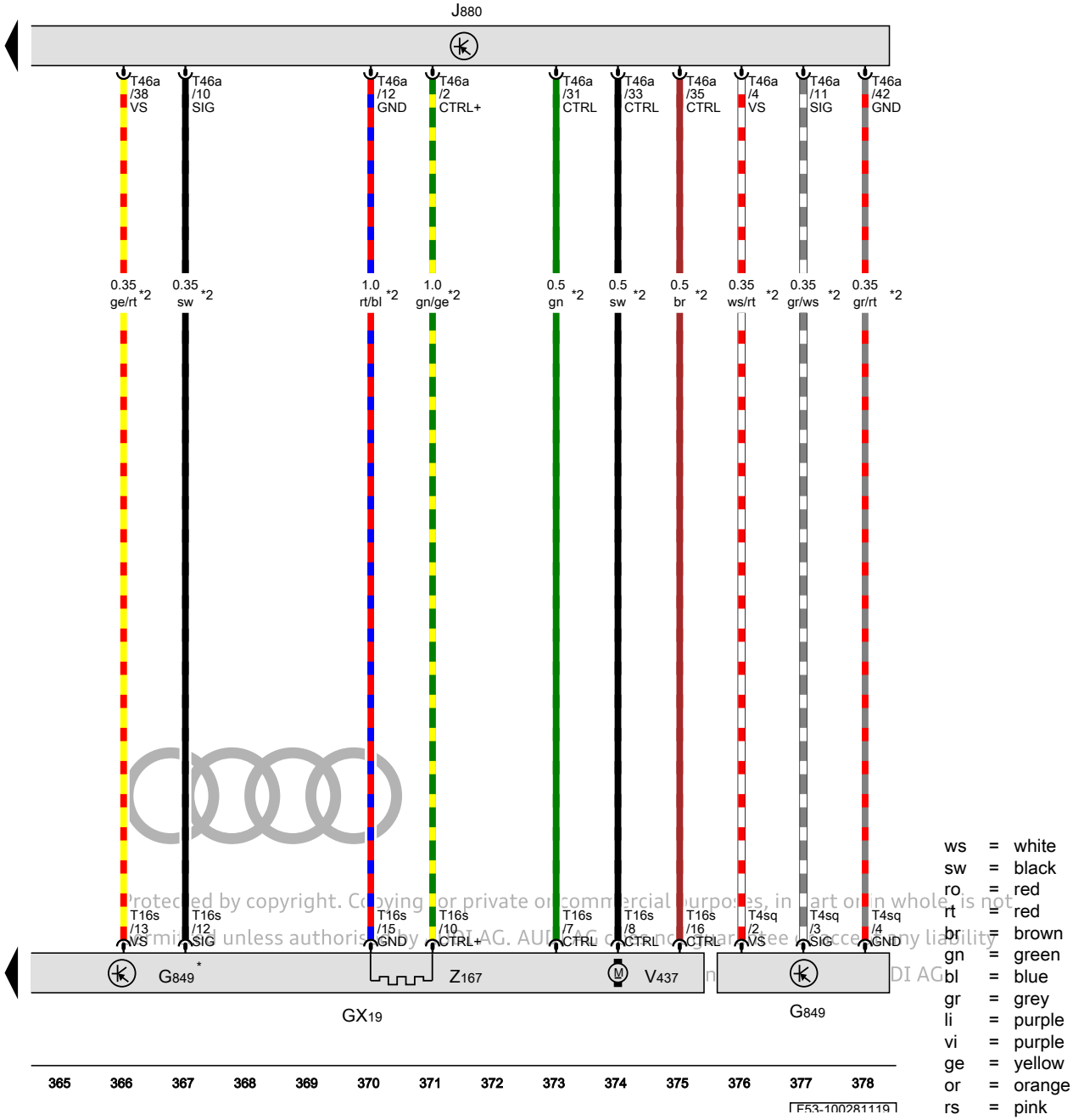

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Delivery unit for reducing agent metering system, Reducing agent quality sensor, Control unit for reducing agent metering system, Pump for reducing agent, Heater 2 for reducing agent tank (heater circuit 3)

GX19	Delivery unit for reducing agent metering system
G849	Reducing agent quality sensor
J880	Control unit for reducing agent metering system
T4sq	4-pin connector, black
T16s	16-pin connector, black
T46a	46-pin connector, black
V437	Pump for reducing agent
Z167	Heater 2 for reducing agent tank (heater circuit 3)
*	Gradually discontinued
*2	For models with reducing agent metering system

Entry and start authorisation , (2F1)

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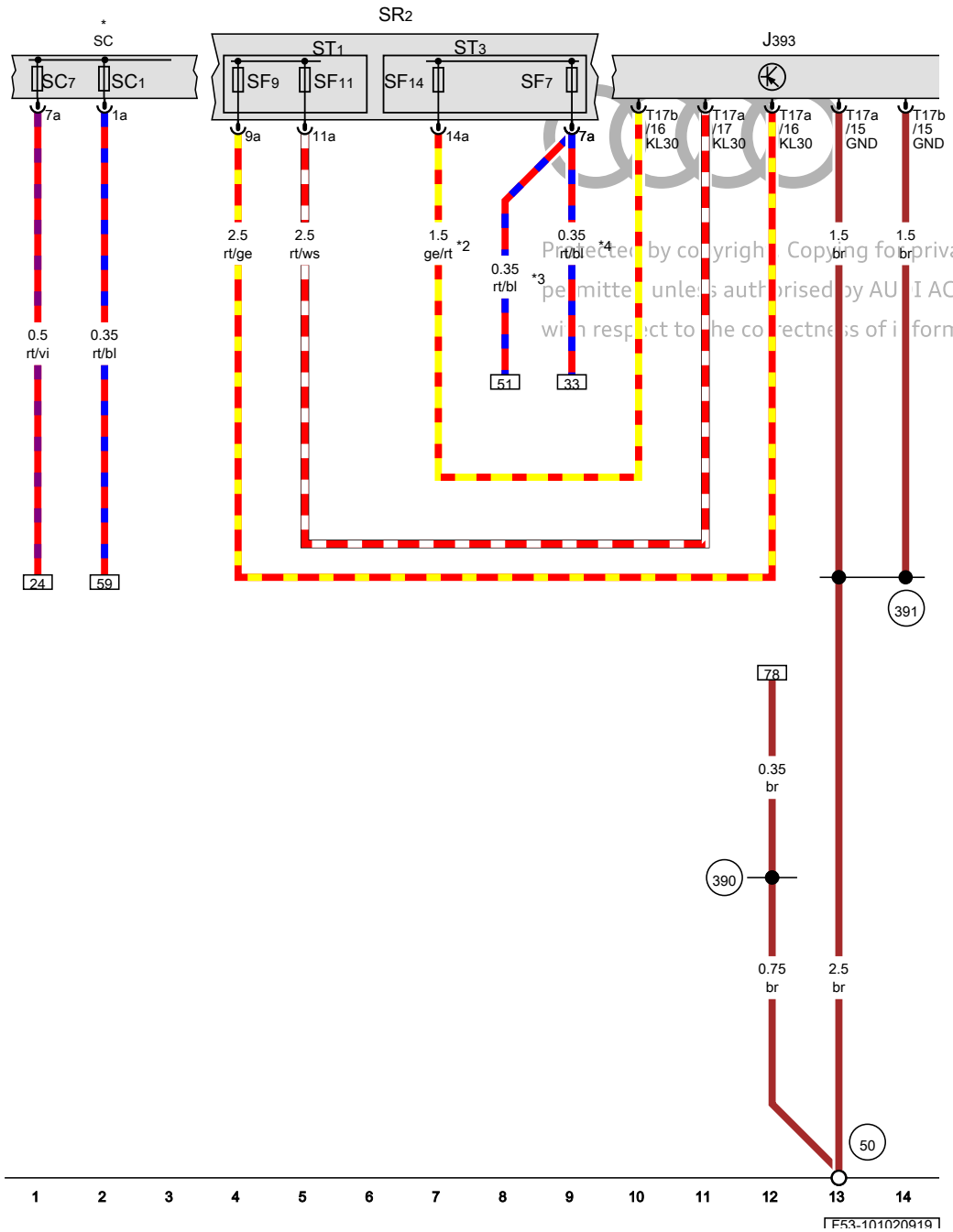

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Convenience system central control unit, Fuse holder C

J393	Convenience system central control unit
SC	Fuse holder C
ST1	Fuse carrier 1, black
SC1	Fuse 1 on fuse holder C
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3, brown
SC7	Fuse 7 on fuse holder C
SF7	Fuse 7 in fuse holder F
SF9	Fuse 9 in fuse holder F
SF11	Fuse 11 in fuse holder F
SF14	Fuse 14 in fuse holder F
T17a	17-pin connector, brown
T17b	17-pin connector, black
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
391	Earth connection 26, in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	Cross section depends on equipment
*3	For left-hand drive models
*4	For right-hand drive models

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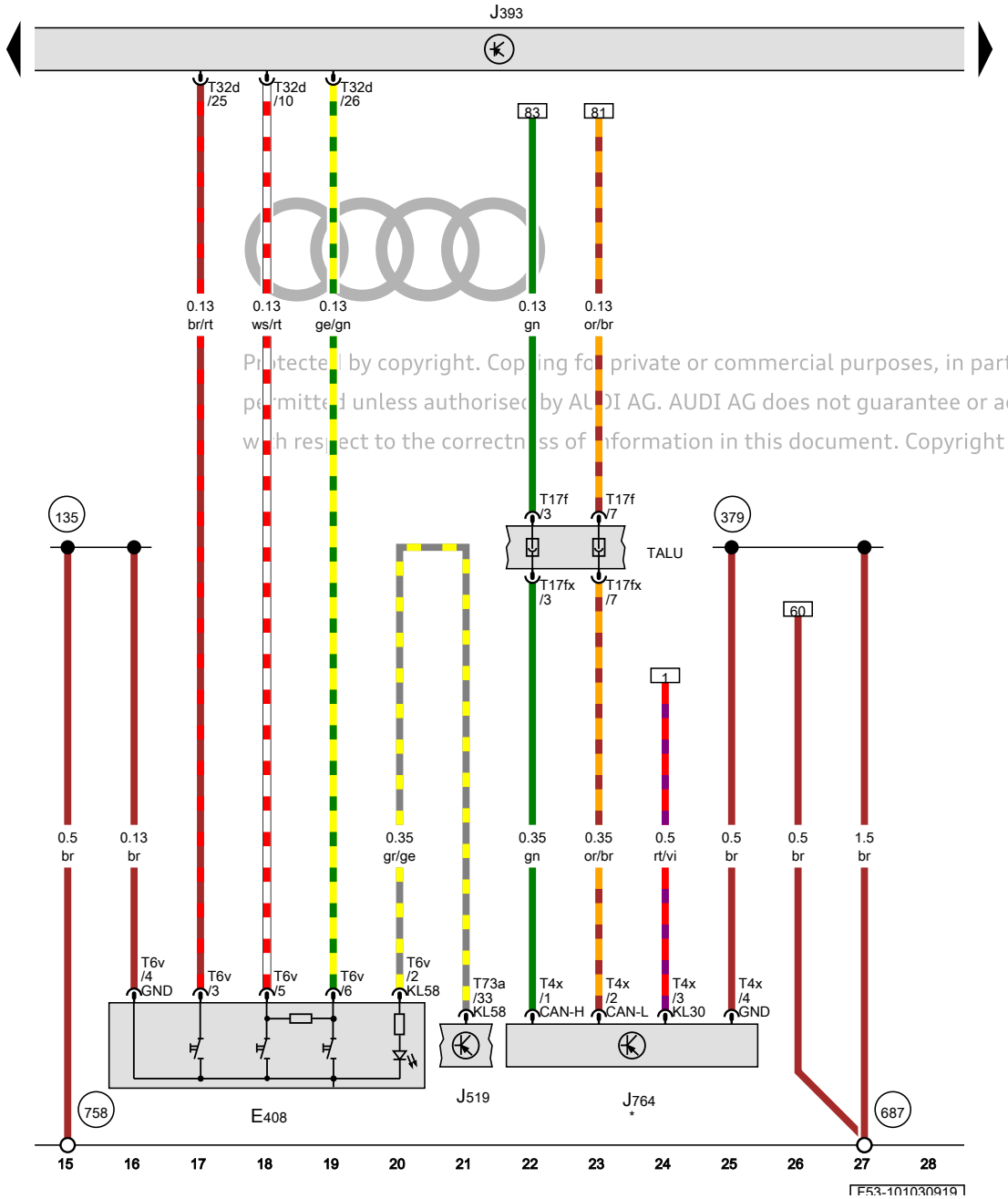

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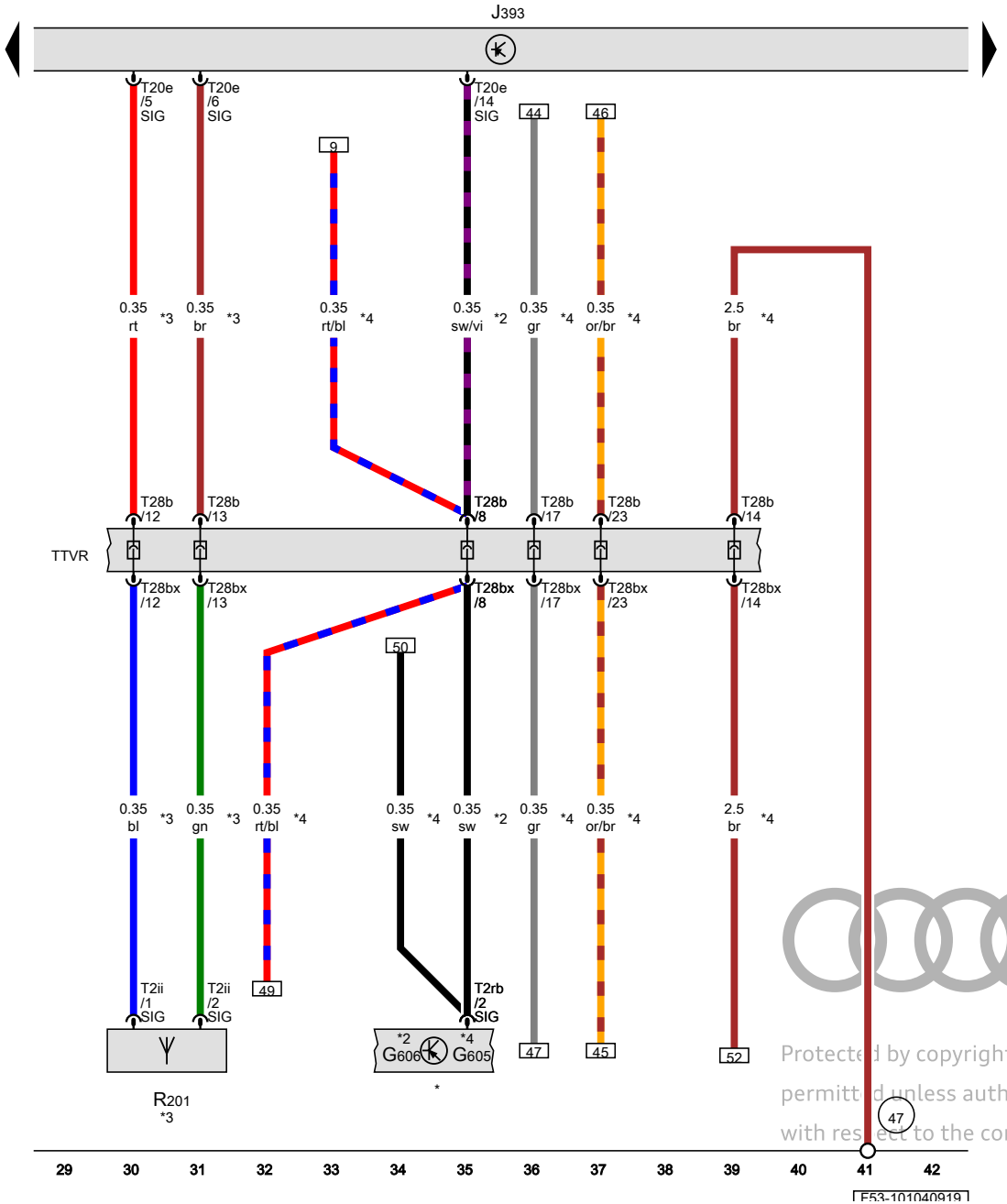
Entry and start authorisation button, Convenience system central control unit, Onboard supply control unit, Control unit for electronic steering column lock

E408	Entry and start authorisation button
J393	Convenience system central control unit
J519	Onboard supply control unit
J764	Control unit for electronic steering column lock
T4x	4-pin connector, black
T6v	6-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32d	32-pin connector, blue
T73a	73-pin connector, black
TALU	Coupling point on left A-pillar, bottom
135	Earth connection 2, in dash panel wiring harness
379	Earth connection 14, in main wiring harness
687	Earth point 1, on centre tunnel
758	Earth point 3, on centre tunnel
*	Country specific



Convenience system central control unit, Right aerial for entry and start authorisation

G605	Contact sensor for front left exterior door handle
G606	Contact sensor for front right exterior door handle
J393	Convenience system central control unit
R201	Right aerial for entry and start authorisation
T2ii	2-pin connector, black
T2rb	2-pin connector, black
T20e	20-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTVR	Coupling point for front right door
47	Earth point, in front right footwell
*	see applicable current flow diagram for convenience system
*2	For left-hand drive models
*3	For Cabriolet models
*4	For right-hand drive models

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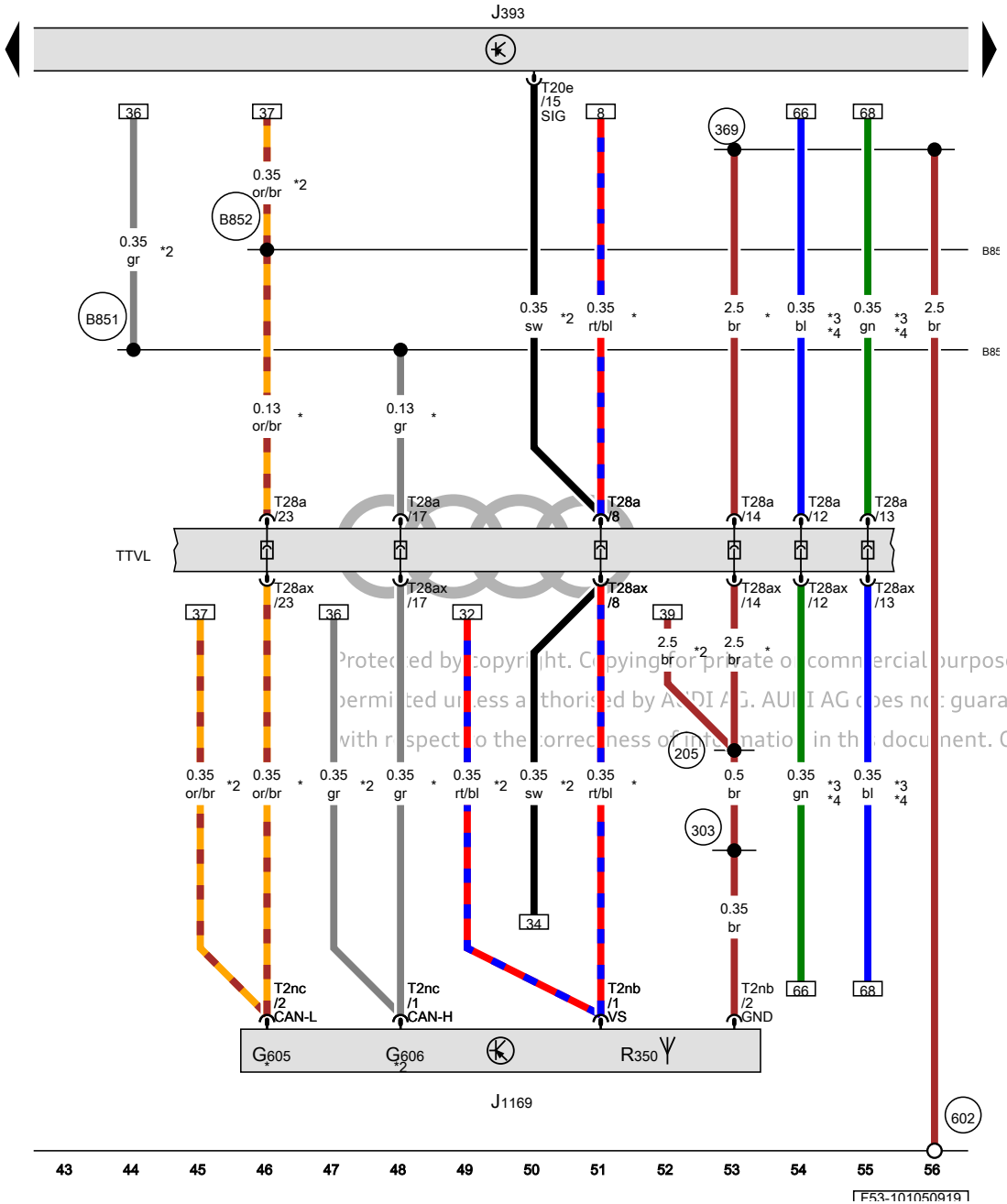

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Convenience system central control unit, Near field communication control unit

G605	Contact sensor for front left exterior door handle
G606	Contact sensor for front right exterior door handle
J393	Convenience system central control unit
J1169	Near field communication control unit
R350	Near field communication aerial
T2nb	2-pin connector, dark brown
T2nc	2-pin connector, black
T20e	20-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTVL	Coupling point for front left door
205	Earth connection, in driver door wiring harness
303	Earth connection 3, in drive side door wiring harness
369	Earth connection 4, in main wiring harness
602	Earth point, in front left footwell
B851	Connection (CAN bus, convenience system central control unit, High)
B852	Connection (CAN bus, convenience system central control unit, Low)
*	For left-hand drive models
*2	For right-hand drive models
*3	Coupé
*4	For Cabriolet models

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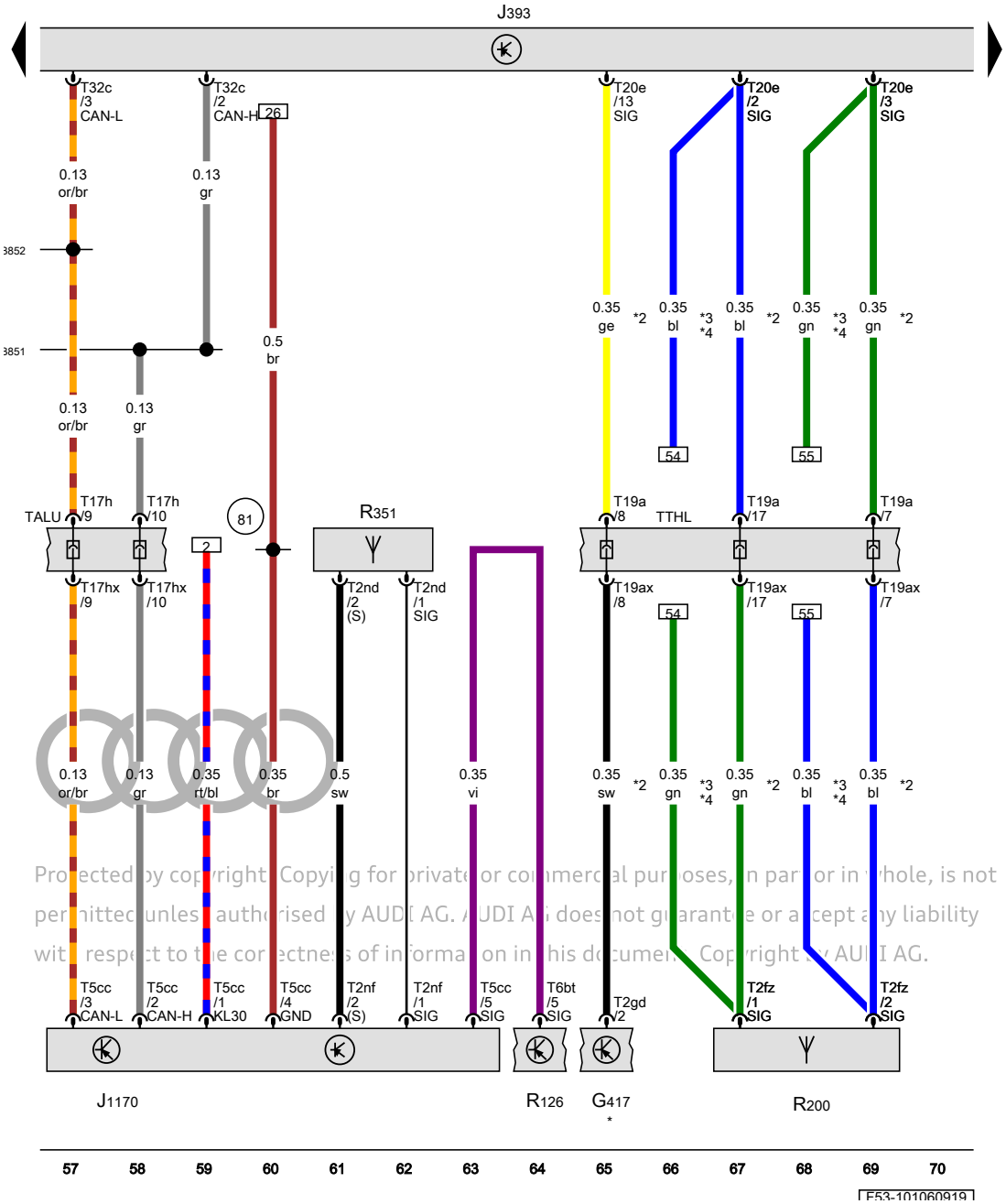

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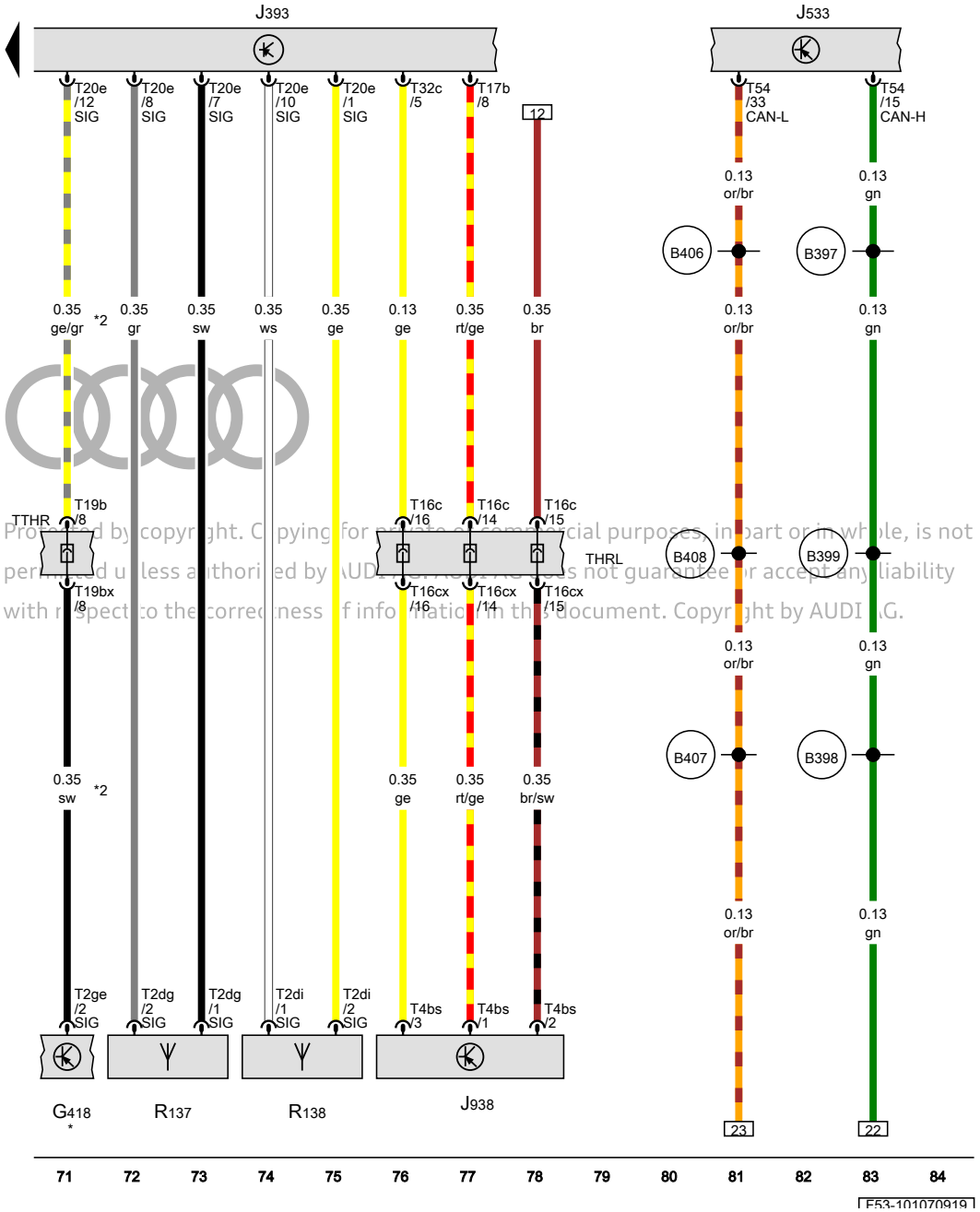
Convenience system central control unit, Near field communication control unit 2, Left aerial for entry and start authorisation, Near field communication aerial 2

G417	Contact sensor for rear left exterior door handle
J393	Convenience system central control unit
J1170	Near field communication control unit 2
R126	Telephone bracket
R200	Left aerial for entry and start authorisation
R351	Near field communication aerial 2, in centre console
T2fz	2-pin connector, black
T2gd	2-pin connector, black
T2nd	2-pin connector, black
T2nf	2-pin connector, black
T5cc	5-pin connector, black
T6bt	6-pin connector
T17h	17-pin connector, white
T17hx	17-pin connector, white
T19a	19-pin connector, black
T19ax	19-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, colourless
TALU	Coupling point on left A-pillar, bottom
TTHL	Coupling point for rear left door
81	Earth connection 1, in dash panel wiring harness
B851	Connection (CAN bus, convenience system central control unit, High)
B852	Connection (CAN bus, convenience system central control unit, Low)
*	see applicable current flow diagram for convenience system
*2	Sportback
*3	Coupé
*4	For Cabriolet models



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Convenience system central control unit, Data bus diagnostic interface, Luggage compartment aerial for entry and start system, Interior aerial 1 for entry and start system, Connection 1 (convenience CAN bus, high), in main wiring harness, Connection 3 (convenience CAN bus, high), in main wiring harness, Connection 1 (convenience CAN bus, low), in main wiring harness, Connection 3 (convenience CAN bus, low), in main wiring harness

G418	Contact sensor for rear right exterior door handle
J393	Convenience system central control unit
J533	Data bus diagnostic interface
J938	Rear lid power opening control unit
R137	Luggage compartment aerial for entry and start system
R138	Interior aerial 1 for entry and start system
T2dg	2-pin connector, black
T2di	2-pin connector, black
T2ge	2-pin connector, black
T4bs	4-pin connector, black
T16c	16-pin connector, brown
T16cx	16-pin connector, brown
T17b	17-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T20e	20-pin connector, black
T32c	32-pin connector, colourless
T54	54-pin connector, black
THRL	Coupling point in luggage compartment, left
TTHR	Coupling point for rear right door
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B399	Connection 3 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B408	Connection 3 (convenience CAN bus, low), in main wiring harness
*	see applicable current flow diagram for convenience system
*2	Sportback

Heated windscreen , (0K2),(4GR),(4GY)

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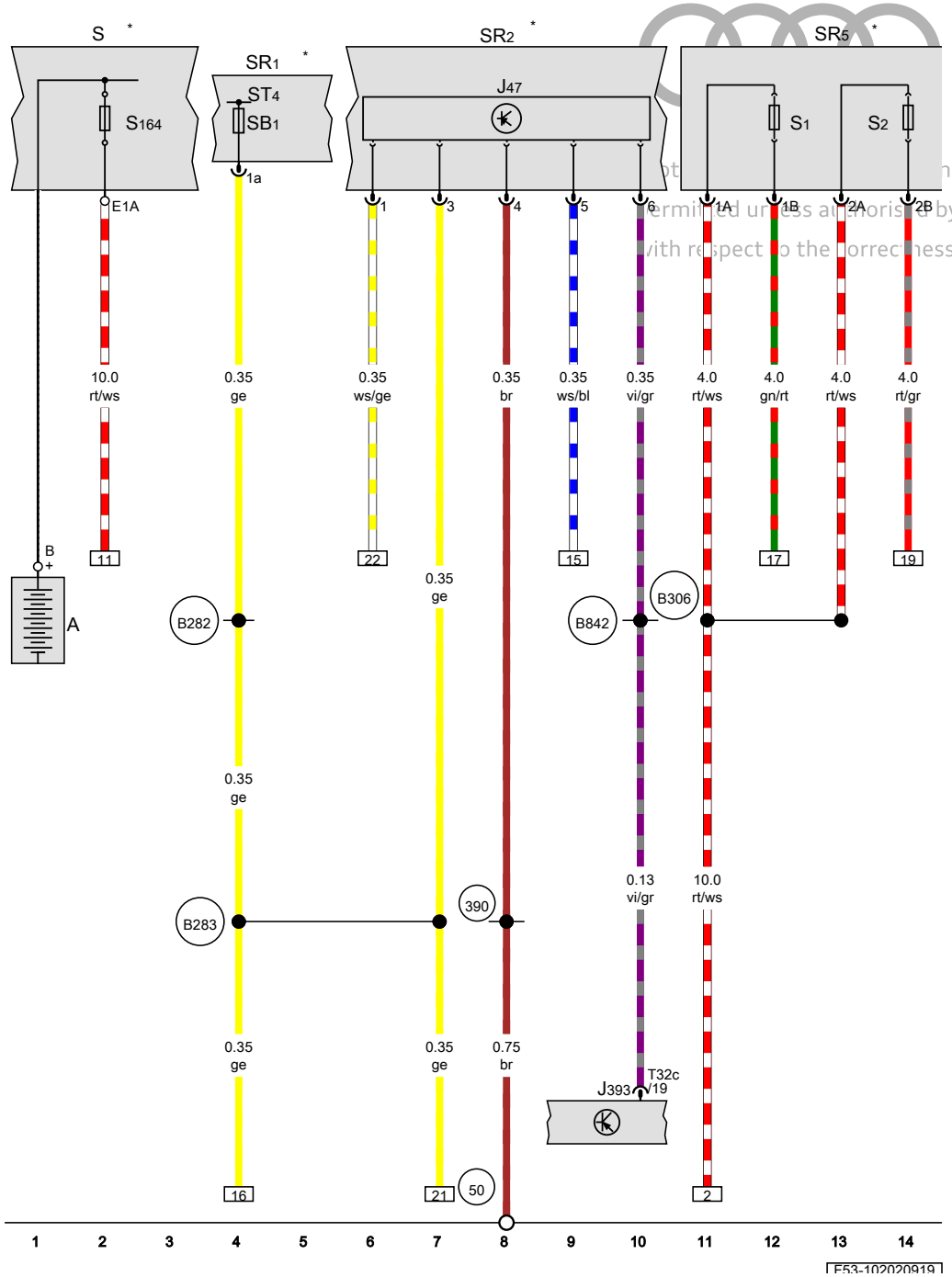

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Relay and fuse carrier 1, Relay and fuse carrier 5

A	Battery
J47	Heated windscreen relay
J393	Convenience system central control unit
S	Fuses in fuse holder, on fuse holder, battery
SR1	Relay and fuse carrier 1
SB1	Fuse 1 on fuse holder B
S1	Fuse 1 in fuse holder
SR2	Relay and fuse carrier 2
S2	Fuse 2 in fuse holder
ST4	Fuse carrier 4, black
SR5	Relay and fuse carrier 5, central in plenum chamber
S164	Fuse 3 (30), in battery fuse holder
T32c	32-pin connector, black
50	Earth point, on left in luggage compartment
390	Earth connection 25, in main wiring harness
B282	Positive connection 6 (15a) in main wiring harness
B283	Positive connection 7 (15a) in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
B842	Connection 8 (LIN bus) in main wiring harness
*	see applicable current flow diagram for fuse assignment

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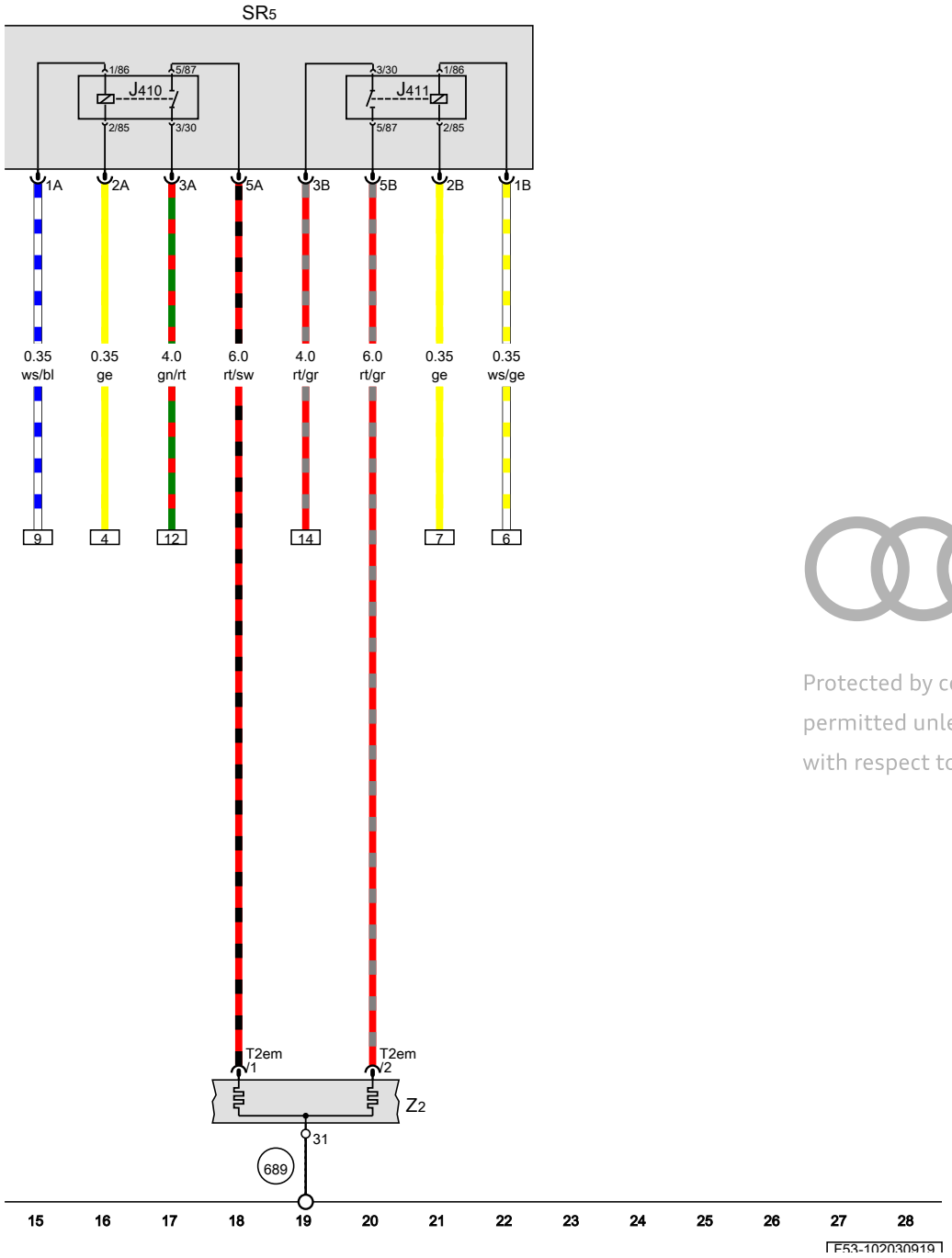

Heated windscreen relay for left side, Heated windscreen relay for right side, Relay and fuse carrier 5, Heated windscreen

J410	Heated windscreen relay for left side, brown
J411	Heated windscreen relay for right side, brown
SR5	Relay and fuse carrier 5, central in plenum chamber
T2em	2-pin connector, black
Z2	Heated windscreen
689	Earth point, at front, central in roof

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Battery, starter and alternator , (0K4),(VH2)

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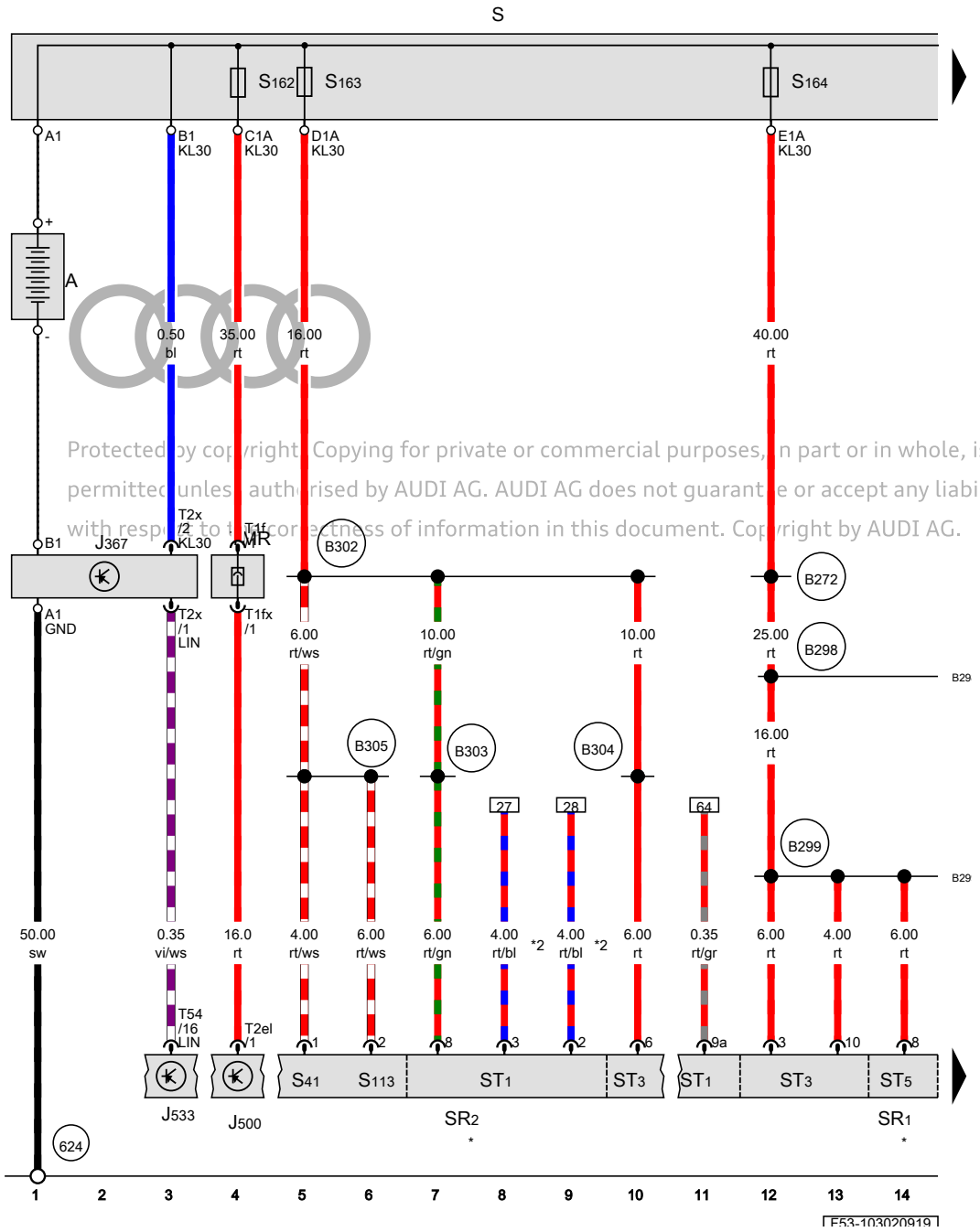

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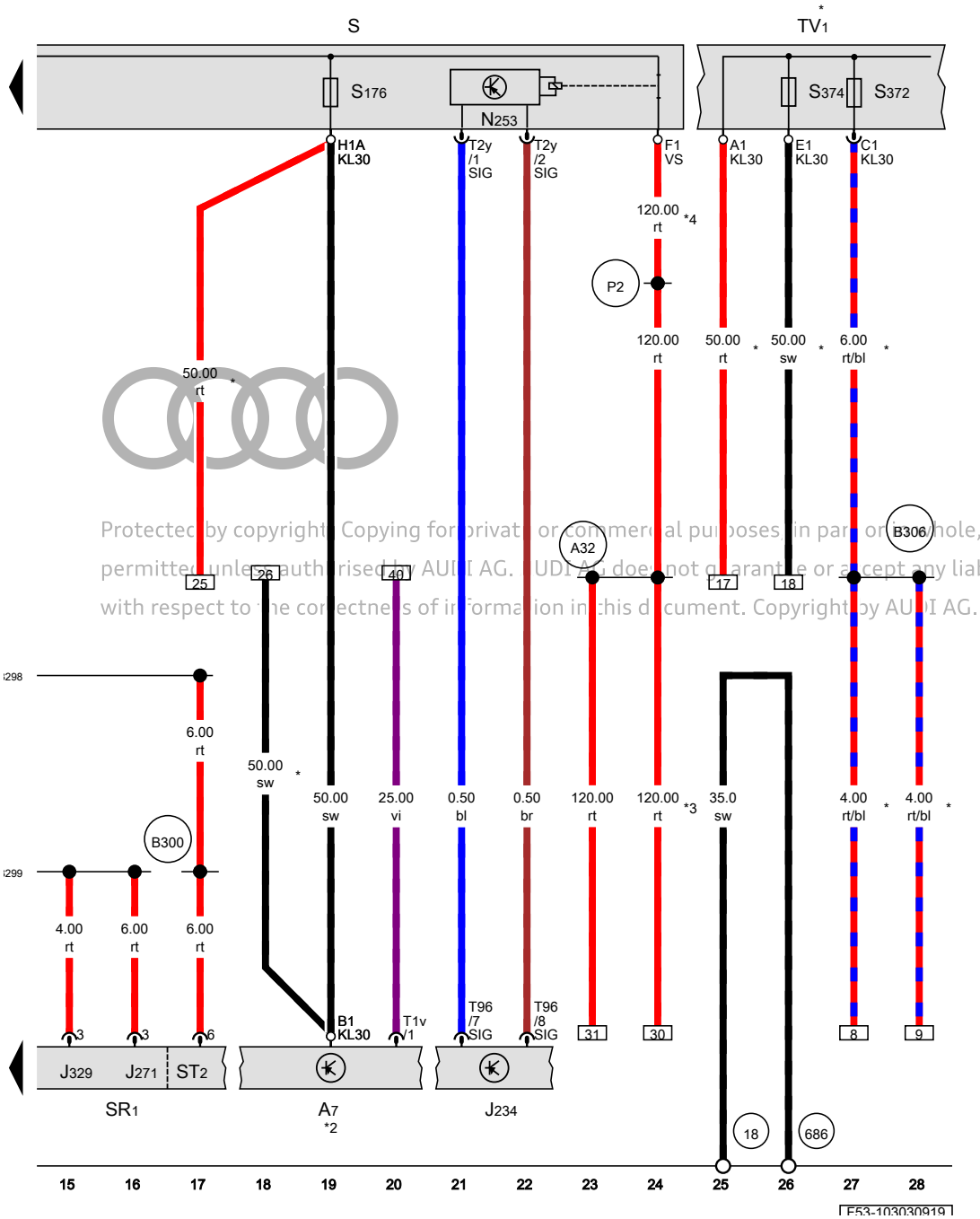
Battery, Battery monitor control unit, Data bus diagnostic interface

A	Battery
J367	Battery monitor control unit
J500	Power steering control unit
J533	Data bus diagnostic interface
S	Fuses in fuse holder
ST1	Fuse carrier 1
SR1	Relay and fuse carrier 1
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3
ST5	Fuse carrier 5
S41	Heated rear window single fuse
S113	Automatic gearbox control unit fuse
S162	Fuse 1 (30), in battery fuse holder
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1f	1-pin connector, black
T1fx	1-pin connector, black
T2el	2-pin connector, black
T2x	2-pin connector, black
T54	54-pin connector, black
TMR	Coupling point in engine compartment, right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with heated windscreen



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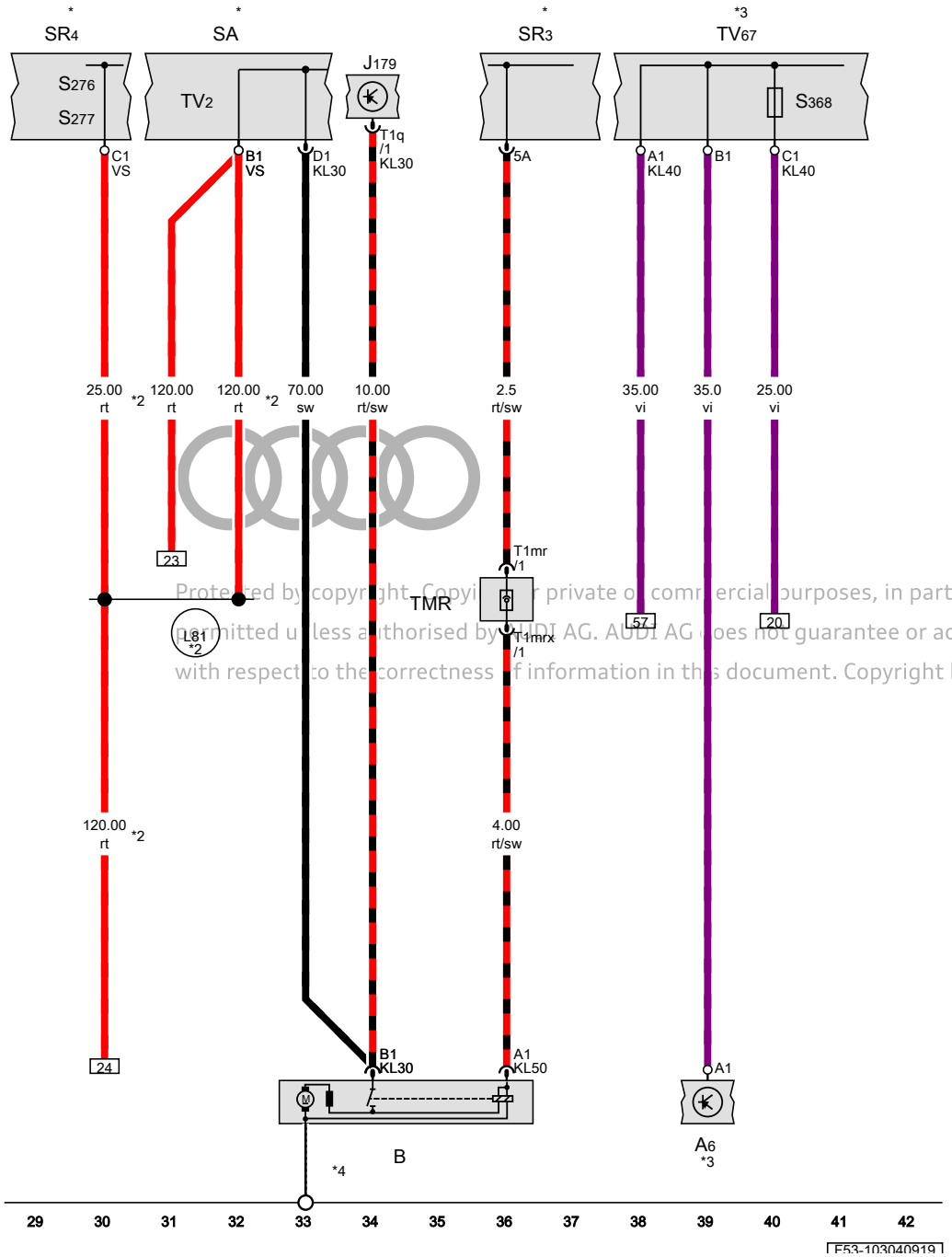
Airbag control unit, Wiring junction

A7	Voltage converter (48 V/12 V)
J234	Airbag control unit
J271	Main relay
J329	Terminal 15 voltage supply relay
N253	Battery isolation igniter
S	Fuses in fuse holder
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2
S176	Fuse 4 (30), in battery fuse holder
S372	Fuse 2 on wiring junction
S374	Fuse 4 on wiring junction
T1v	1-pin connector, black
T2y	2-pin connector, yellow
TV1	Wiring junction
T96	96-pin connector, yellow
18	Earth point, on cylinder block
686	Earth point 2, on front of right longitudinal member
A32	Positive connection (30), in dash panel wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
P2	Positive connection (30), in battery wiring harness

* For models with heated windscreen
*2 see applicable current flow diagram for 48 V system
*3 For models with auxiliary air heater
*4 Cross section depends on equipment



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Starter, Automatic glow period control unit, Terminal 40 wiring junction 2

A6	Battery, 48 V
B	Starter
J179	Automatic glow period control unit
SA	Fuse holder A
SR3	Relay and fuse carrier 3, central in plenum chamber
SR4	Relay and fuse carrier 4
S276	Heater element fuse 1
S277	Heater element fuse 2
S368	Fuse 1 on wiring junction 2 for terminal 40
T1mr	1-pin connector, black
T1mrx	1-pin connector, black
T1q	1-pin connector, black
TMR	Coupling point in engine compartment, right
TV2	Terminal 30 wiring junction
TV67	Terminal 40 wiring junction 2, in luggage compartment
L81	Connection in supplementary heater wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with auxiliary air heater
*3	see applicable current flow diagram for 48 V system
*4	Earth supply via housing

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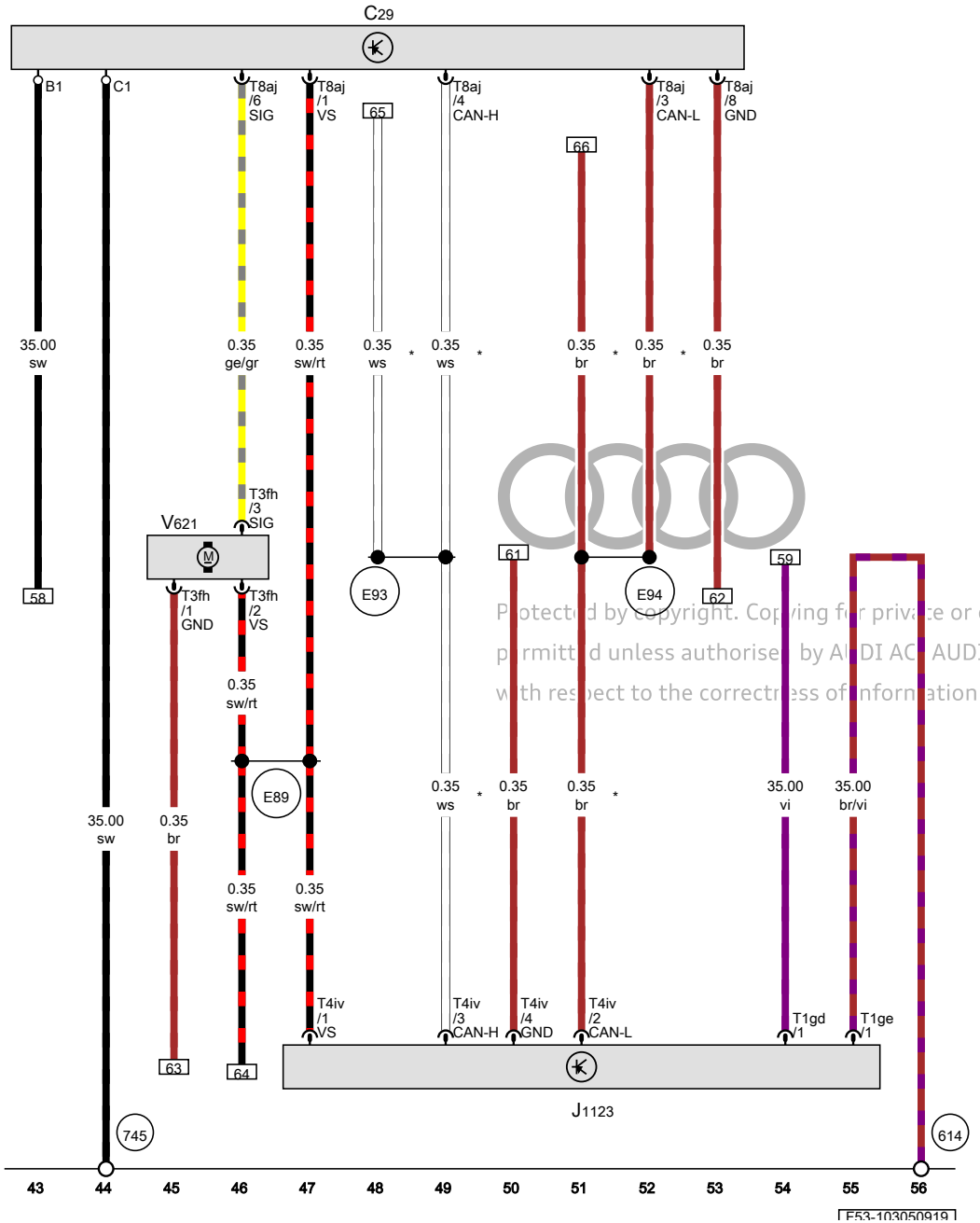

Starter-alternator, Control unit for electric compressor, Starter-alternator coolant pump

C29	Starter-alternator
J1123	Control unit for electric compressor
T1gd	1-pin connector
T1ge	1-pin connector
T3fh	3-pin connector, black
T4iv	4-pin connector, black
T8aj	8-pin connector, black
V621	Starter-alternator coolant pump
614	Earth point 2, on right in engine compartment
745	Earth point 3, on front of right longitudinal member
E89	Positive connection (30a) in engine wiring harness
E93	Connection 1 (CAN bus high), in engine wiring harness
E94	Connection 1 (CAN bus low), in engine wiring harness
*	Data bus wire (CAN bus)

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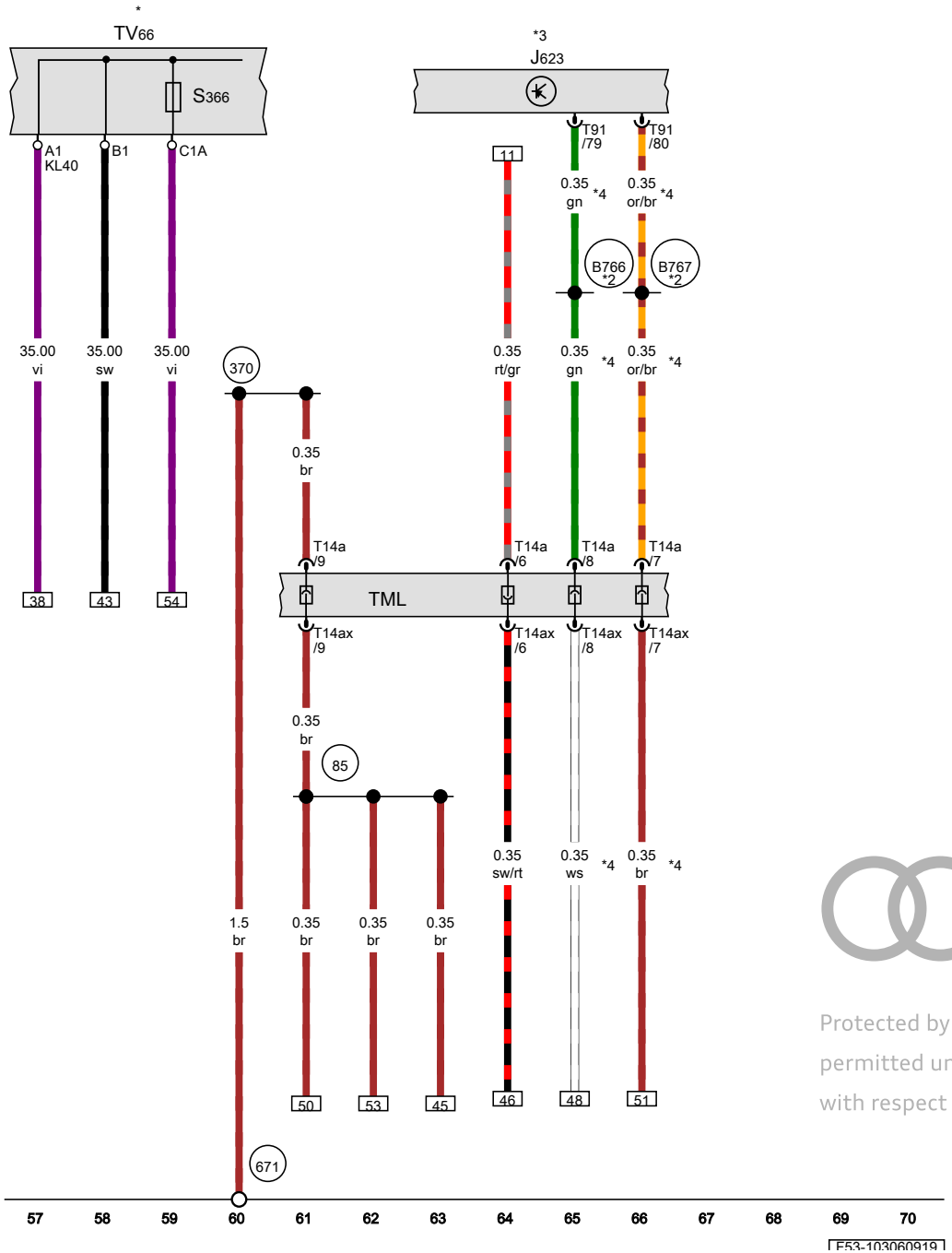

Engine/motor control unit, Terminal 40 wiring junction

J623	Engine/motor control unit, in plenum chamber
S366	Fuse 1 on wiring junction for terminal 40
T14a	14-pin connector, black
T14ax	14-pin connector, black
TML	Coupling point in engine compartment, left
TV66	Terminal 40 wiring junction, in engine compartment
T91	91-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
671	Earth point 1, on front of left longitudinal member
B766	Connection 2 (high bus), in interior wiring harness
B767	Connection 2 (low bus), in interior wiring harness
*	see applicable current flow diagram for 48 V system
*2	see applicable current flow diagram for CAN bus network
*3	see applicable current flow diagram for engine
*4	Data bus wire (CAN bus)

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Adjustable driver and front passenger seats , (3L4),(3PH),(7P1),(7P7)

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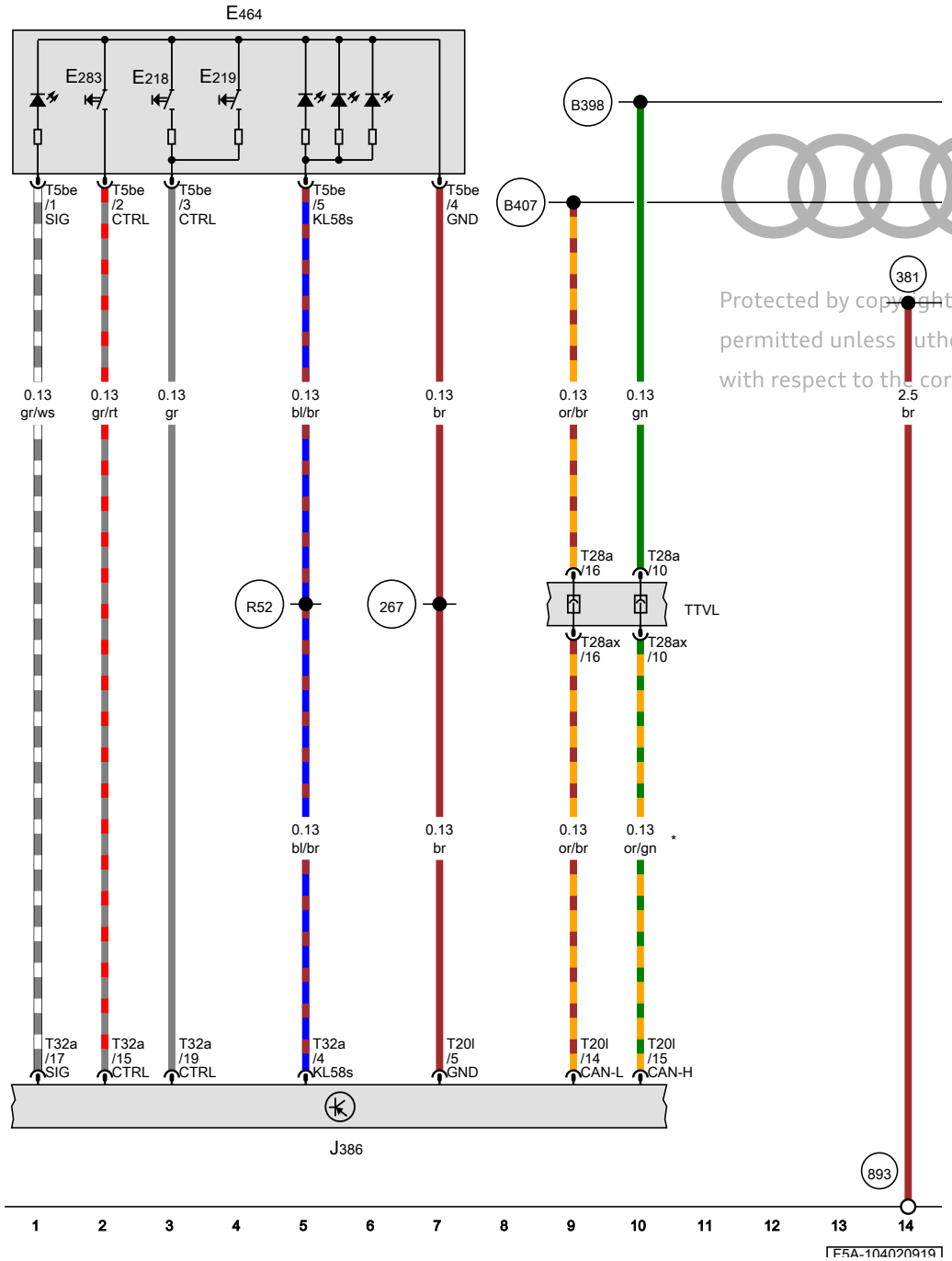

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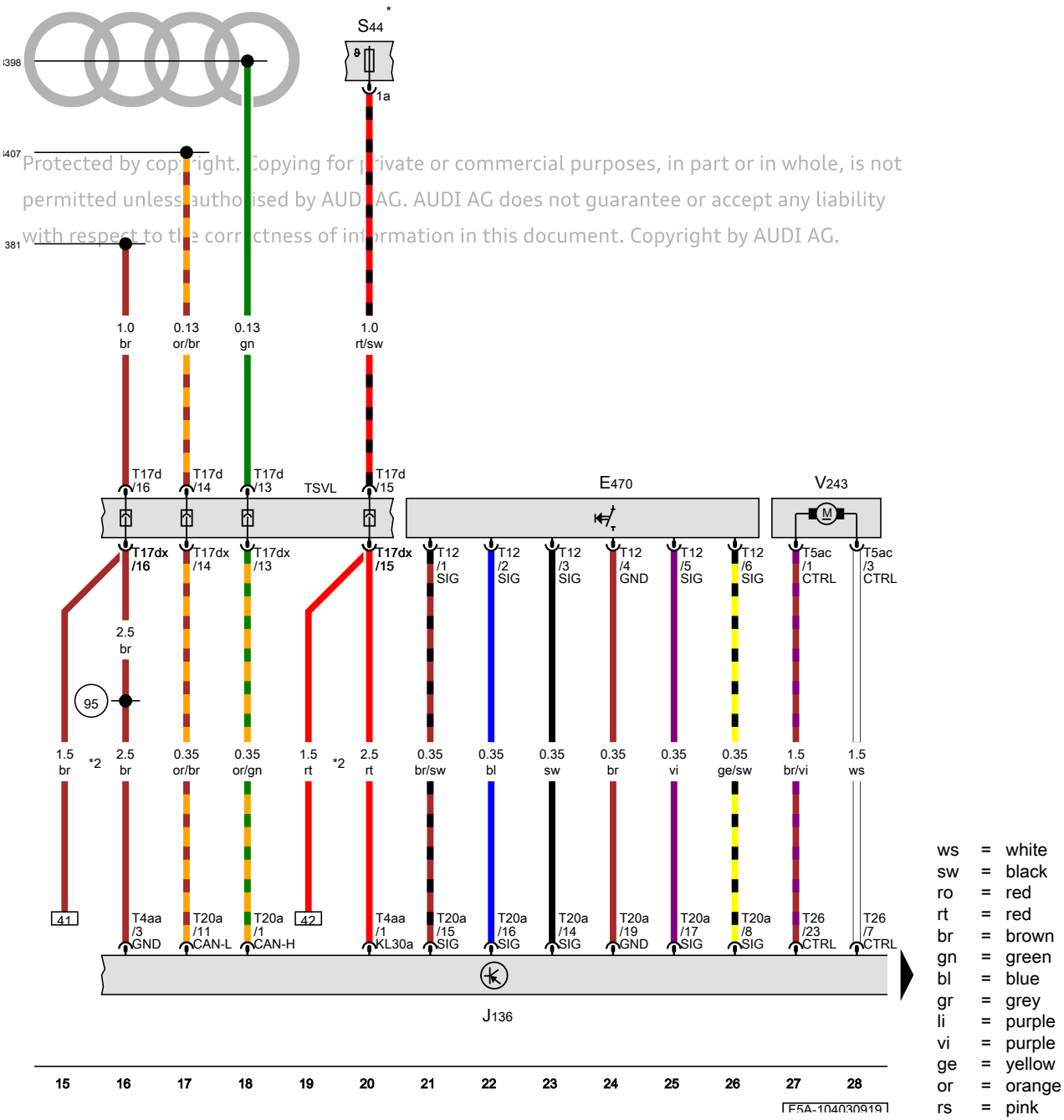
Driver operating unit for memory settings, Driver door control unit

E218	Seat memory position button 1
E219	Seat memory position button 2
E283	Driver seat memory function button
E464	Driver operating unit for memory settings
J386	Driver door control unit
T5be	5-pin connector, black
T20l	20-pin connector, white
T28a	28-pin connector, black
T28ax	28-pin connector, black
T32a	32-pin connector, blue
TTVL	Coupling point for front left door
267	Earth connection 2, in drive side door wiring harness
381	Earth connection 16, in main wiring harness
893	Earth point 2, on left B-pillar
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
R52	Connection (58s), in driver side door wiring harness
*	Different wire colour possible



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Driver seat adjustment operating unit, Seat and steering column adjustment control unit with memory, Driver seat adjustment thermal fuse 1, Driver seat rake adjustment motor

E470	Driver seat adjustment operating unit
J136	Seat and steering column adjustment control unit with memory
S44	Driver seat adjustment thermal fuse 1
T4aa	4-pin connector, black
T5ac	5-pin connector, brown
T12	12-pin connector, black
T17d	17-pin connector, red
T17dx	17-pin connector, red
T20a	20-pin connector, black
T26	26-pin connector, white
TSVL	Coupling point for front left seat
V243	Driver seat rake adjustment motor
95	Earth connection 1, in seat adjustment wiring harness
381	Earth connection 16, in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with adjustable lumbar support

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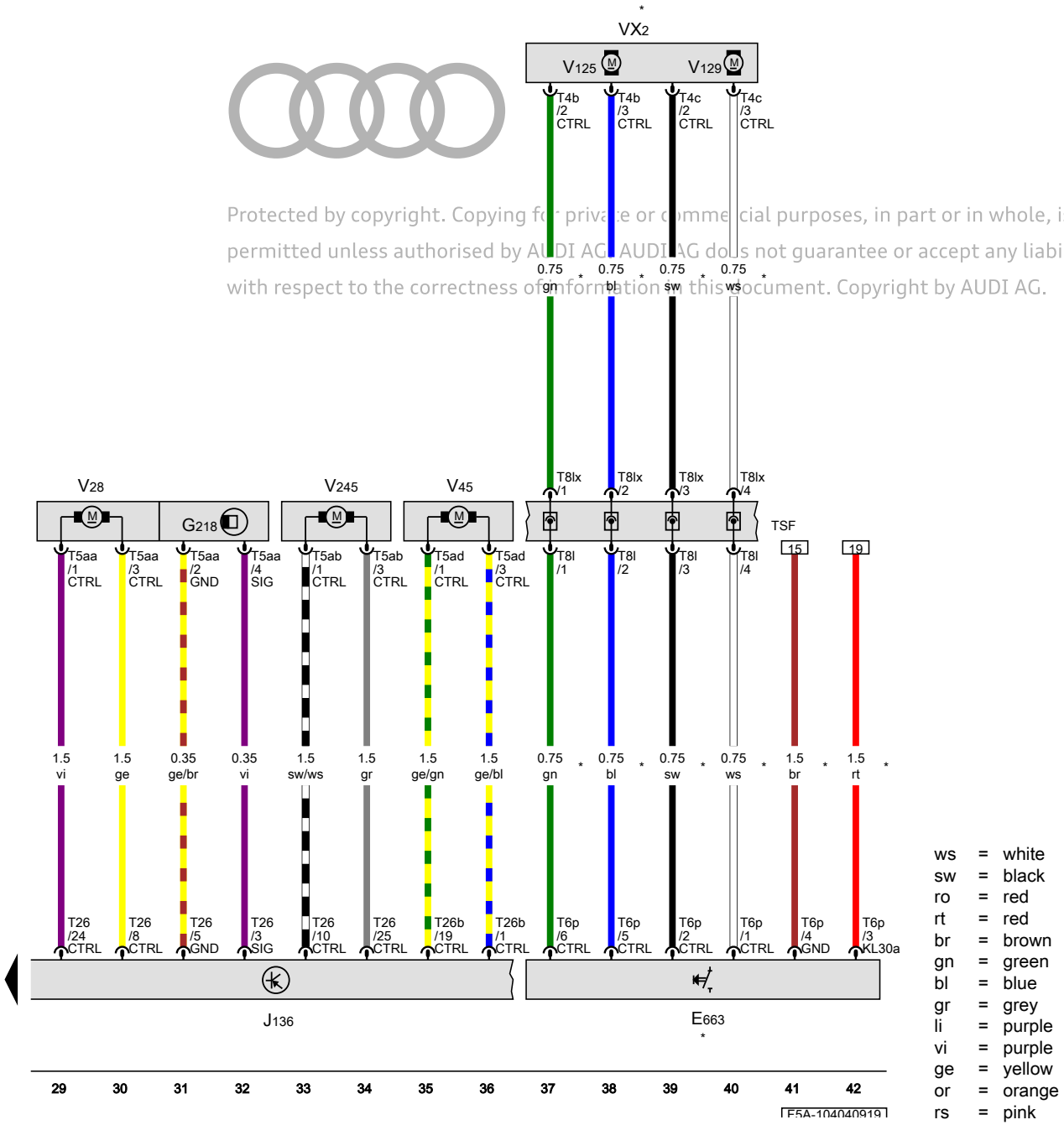

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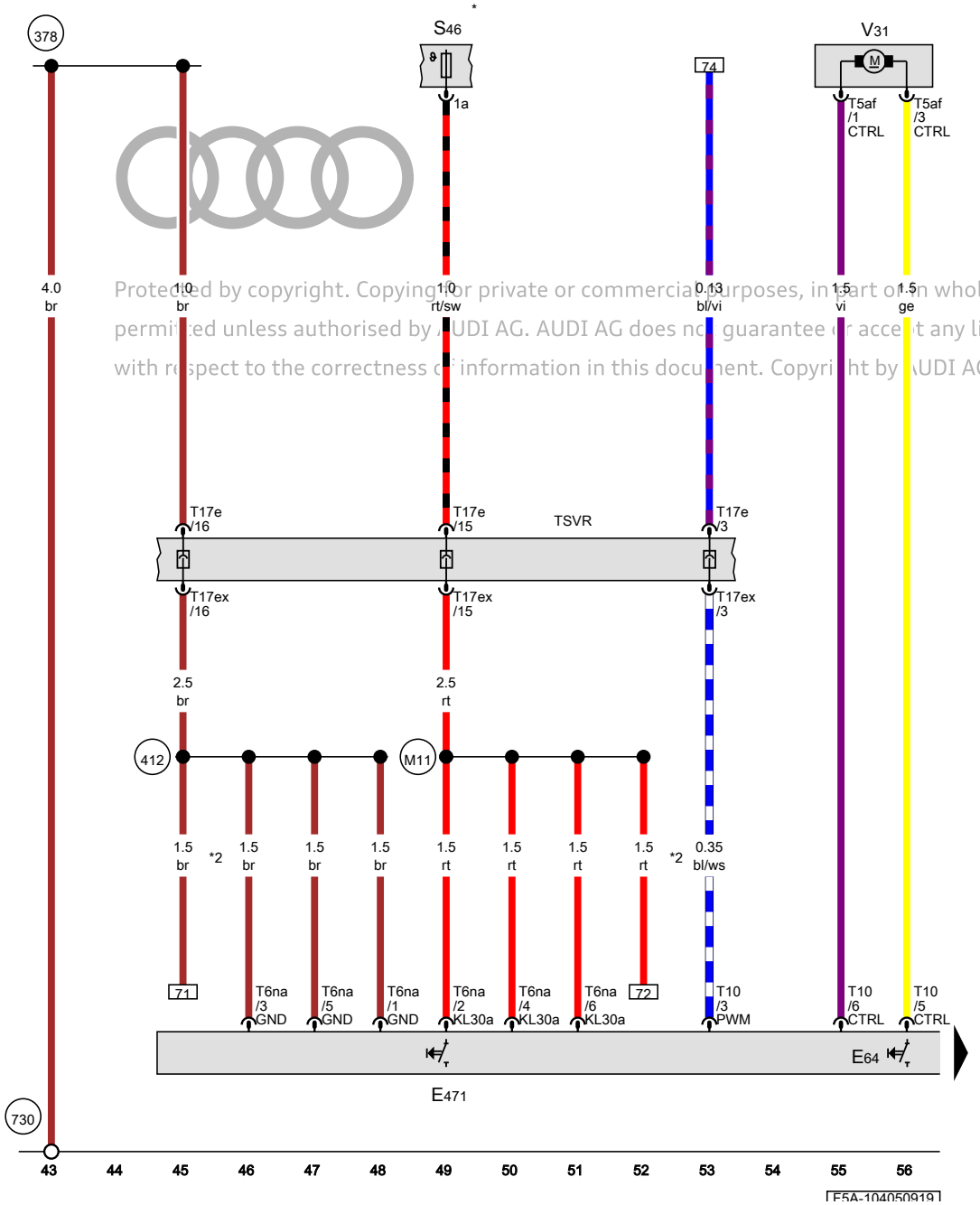
Switch module for driver seat, Seat and steering column adjustment control unit with memory, Driver seat longitudinal adjustment motor, Driver seat backrest adjustment motor, Driver seat height adjustment motor

E663	Switch module for driver seat
G218	Longitudinal adjustment sender for driver seat
J136	Seat and steering column adjustment control unit with memory
T4b	4-pin connector, black
T4c	4-pin connector, black
T5aa	5-pin connector, brown
T5ab	5-pin connector, brown
T5ad	5-pin connector, brown
T6p	6-pin connector, white
T8l	8-pin connector, black
T8lx	8-pin connector, black
T26	26-pin connector, white
T26b	26-pin connector, blue
TSF	Coupling point for driver seat backrest
VX2	Lumbar support for driver seat
V28	Driver seat longitudinal adjustment motor
V45	Driver seat backrest adjustment motor
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor
V245	Driver seat height adjustment motor
*	For models with adjustable lumbar support



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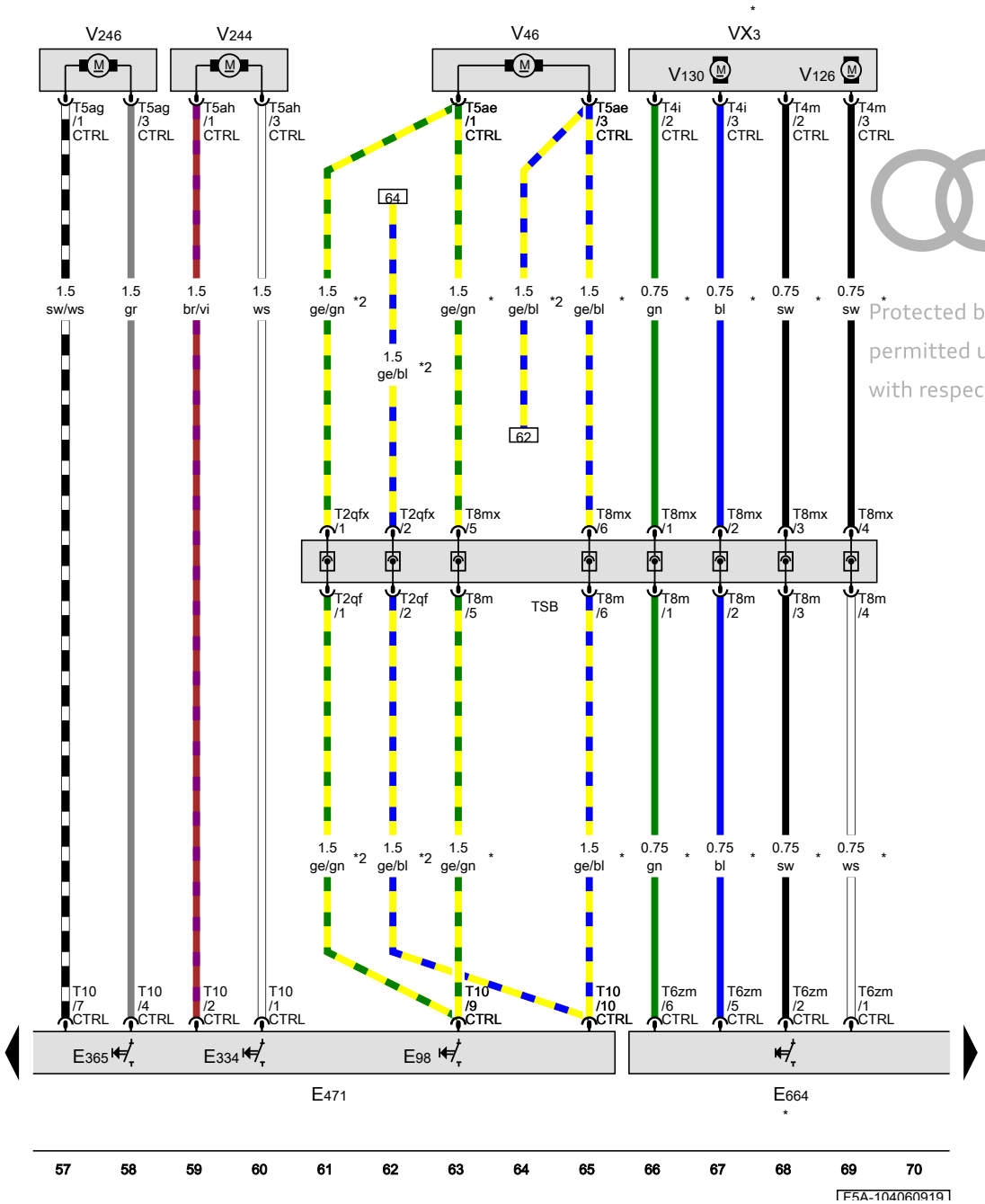
Front passenger seat adjustment operating unit, Front passenger seat adjustment thermal fuse 1, Coupling point for front right seat, Front passenger seat longitudinal adjustment motor

E64	Front passenger seat longitudinal adjustment switch
E471	Front passenger seat adjustment operating unit
S46	Front passenger seat adjustment thermal fuse 1
T5af	5-pin connector, brown
T6na	6-pin connector, black
T10	10-pin connector, black
T17e	17-pin connector, red
T17ex	17-pin connector, red
TSVR	Coupling point for front right seat
V31	Front passenger seat longitudinal adjustment motor
378	Earth connection 13, in main wiring harness
412	Earth connection 3, in seat adjustment wiring harness
730	Earth point 1, on right rear wheel housing
M11	Connection 2, in driver seat adjustment wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For models with adjustable lumbar support



Front passenger seat adjustment operating unit, Switch module for front passenger seat, Lumbar support for front passenger seat, Front passenger seat backrest adjustment motor, Front passenger seat rake adjustment motor, Front passenger seat height adjustment motor

E98	Front passenger seat backrest adjustment switch
E334	Front passenger seat rake adjustment button
E365	Front passenger seat height adjustment switch
E471	Front passenger seat adjustment operating unit
E664	Switch module for front passenger seat
T2qf	2-pin connector, black
T2qfx	2-pin connector, black
T4i	4-pin connector, black
T4m	4-pin connector, black
T5ae	5-pin connector, brown
T5ag	5-pin connector, brown
T5ah	5-pin connector, brown
T6zm	6-pin connector, white
T8m	8-pin connector, black
T8mx	8-pin connector, black
T10	10-pin connector, black
TSB	Coupling point for front passenger seat backrest
VX3	Lumbar support for front passenger seat
V46	Front passenger seat backrest adjustment motor
V126	Front passenger seat lumbar support longitudinal adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
V244	Front passenger seat rake adjustment motor
V246	Front passenger seat height adjustment motor
*	For models with adjustable lumbar support
*2	For models with no adjustable lumbar support

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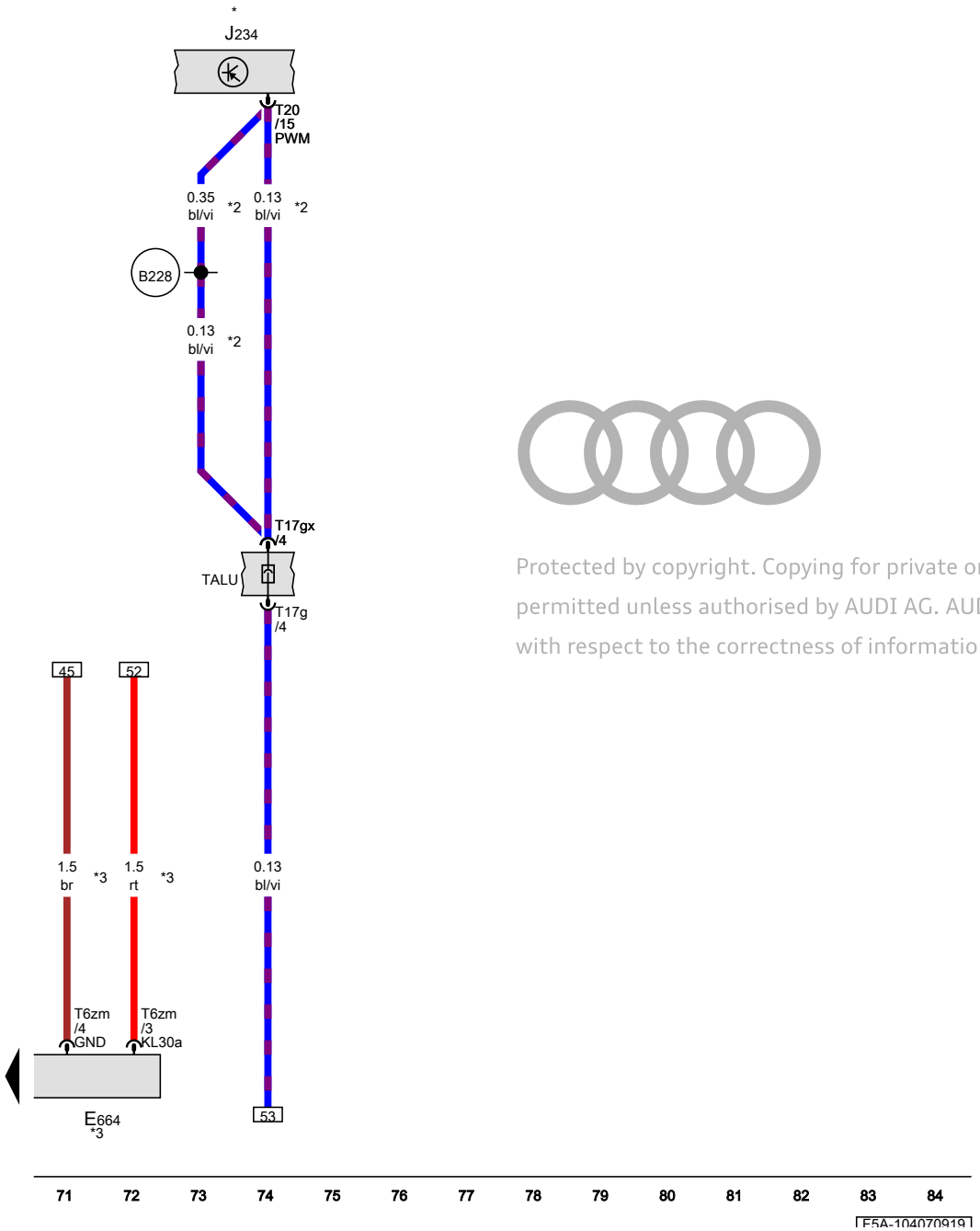

Switch module for front passenger seat

E664	Switch module for front passenger seat
J234	Airbag control unit
T6zm	6-pin connector, white
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20	20-pin connector, yellow
TALU	Coupling point on left A-pillar, bottom
B228	Connection (crash signal), in interior wiring harness
*	see applicable current flow diagram for airbag
*2	According to equipment
*3	For models with adjustable lumbar support

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MMI (information electronics 1)

From October 2019

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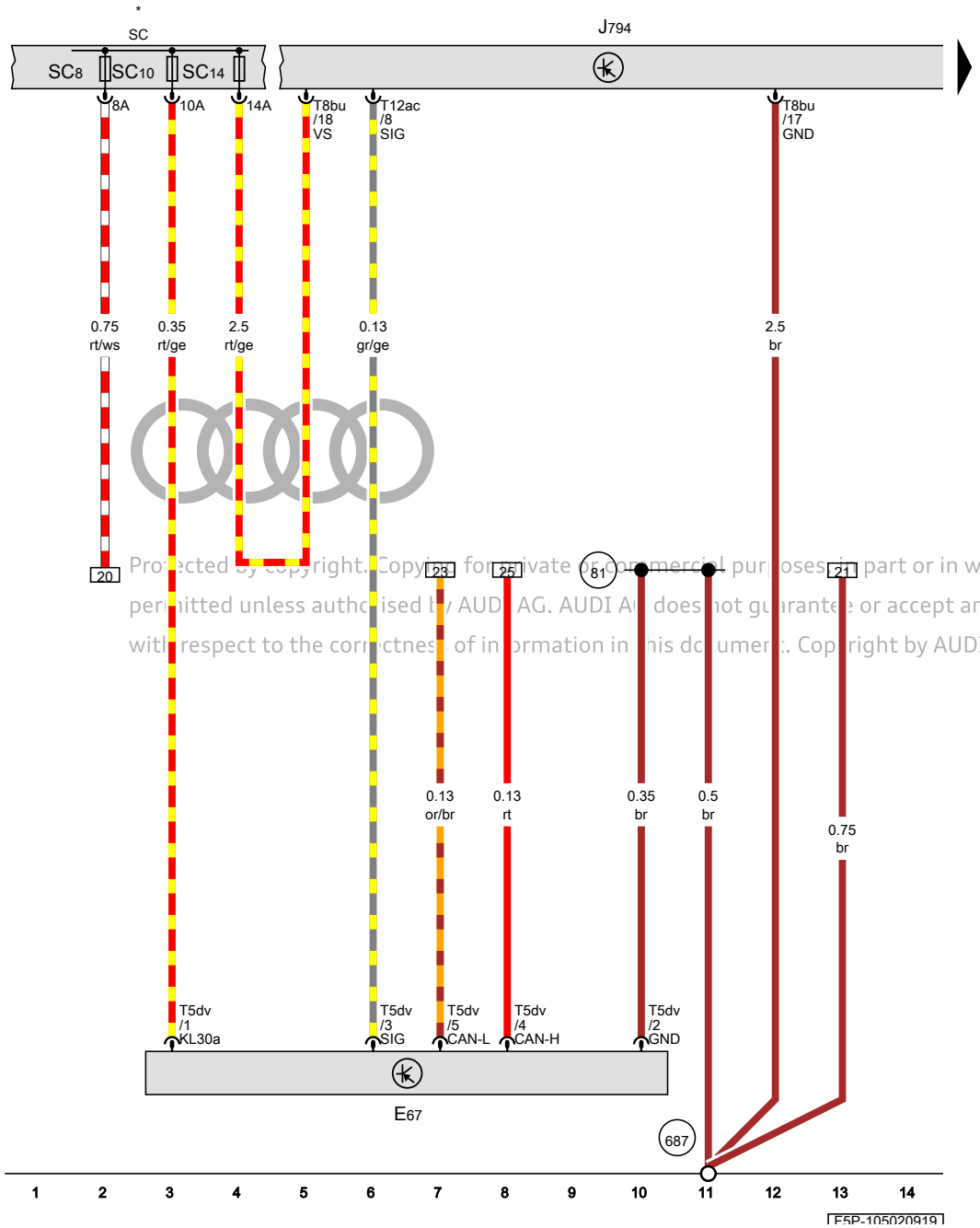

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Driver side volume regulator, Control unit 1 for information electronics

E67	Driver side volume regulator
J794	Control unit 1 for information electronics
SC	Fuse holder C
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
T5dv	5-pin connector, black
T8bu	8-pin connector, black
T12ac	12-pin connector, grey
81	Earth connection 1, in dash panel wiring harness
687	Earth point 1, on centre tunnel
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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gn	=	green
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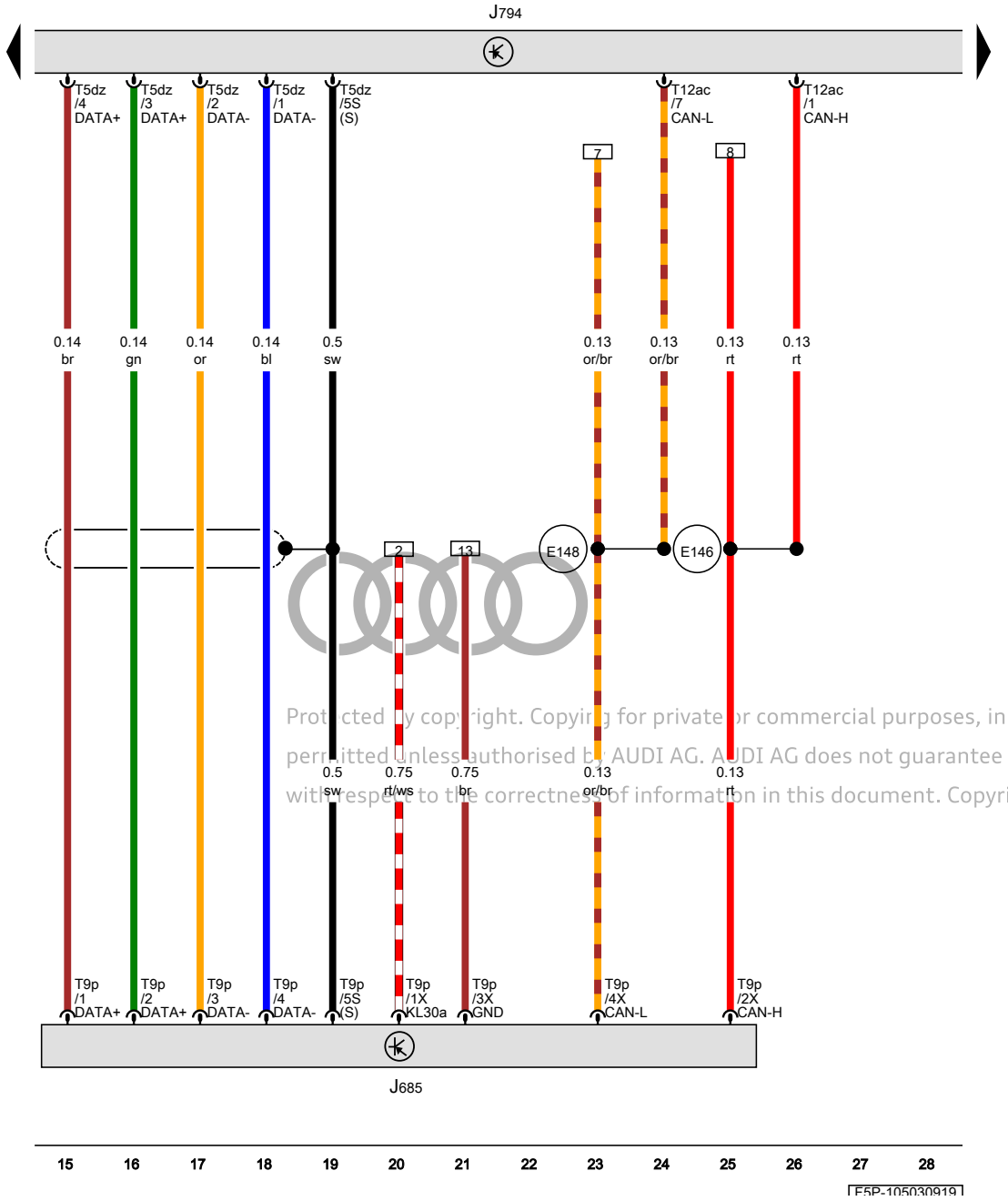

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Display unit for front information display and operating unit control unit, Control unit 1 for information electronics

J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
T5dz	5-pin connector, black
T9p	9-pin connector, black
T12ac	12-pin connector, grey
E146	Connection 2 (CAN bus, control unit 1 for information electronics, high)
E148	Connection 2 (CAN bus, control unit 1 for information electronics, low)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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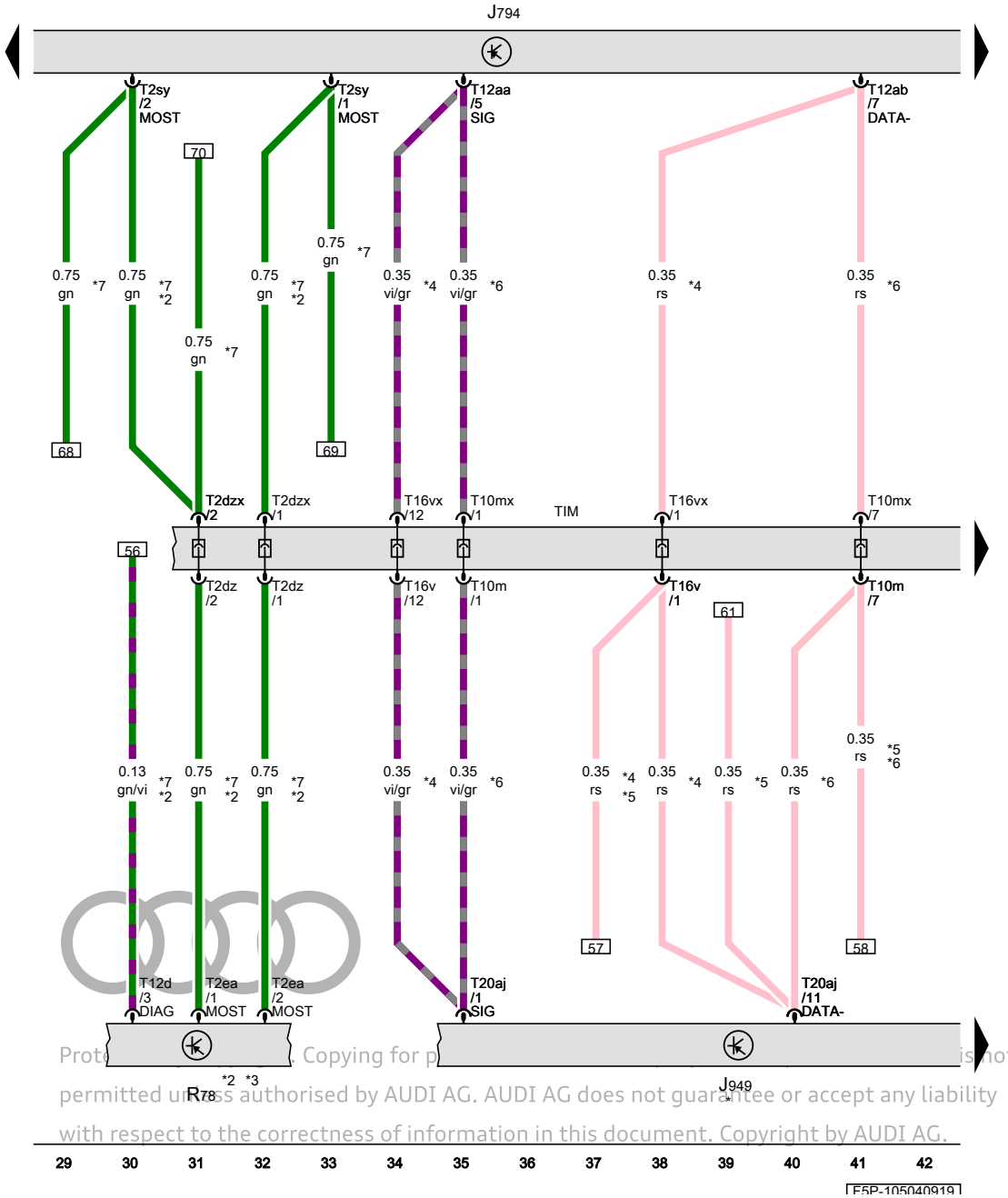

Control unit 1 for information electronics, Emergency call module control unit and communication unit, TV tuner

J794	Control unit 1 for information electronics
J949	Emergency call module control unit and communication unit
R78	TV tuner
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T2ea	2-pin connector, black
T2sy	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12aa	12-pin connector, blue
T12ab	12-pin connector, green
T12d	12-pin connector, black
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T20aj	20-pin connector, colourless
TIM	Coupling point in interior, centre
*	see applicable current flow diagram for communication
*2	For models with TV tuner
*3	see applicable current flow diagram for TV tuner
*4	From December 2019
*5	For models with Bang & Olufsen sound system
*6	Up to November 2019
*7	see applicable current flow diagram for infotainment MOST bus

ws	=	white
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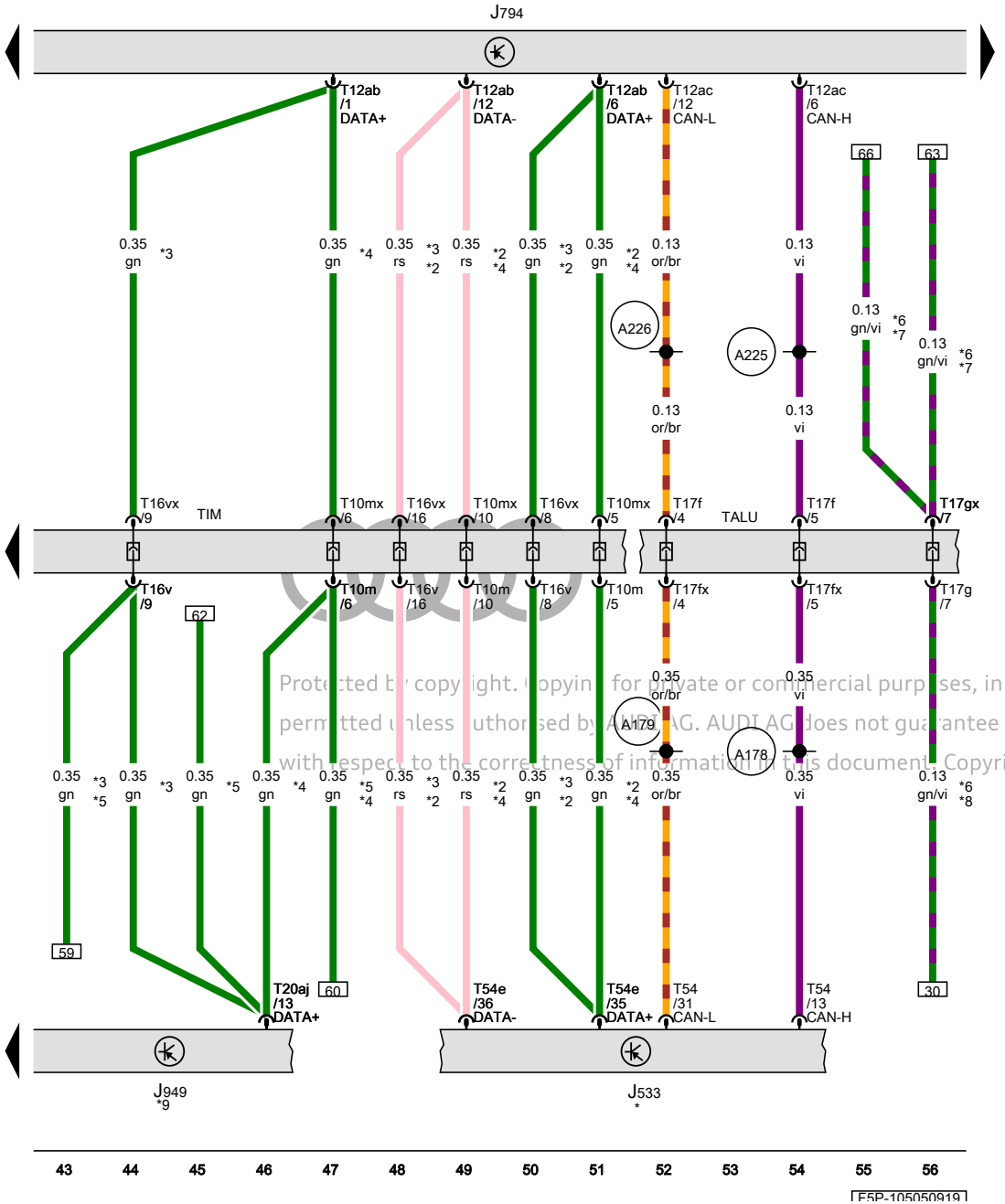

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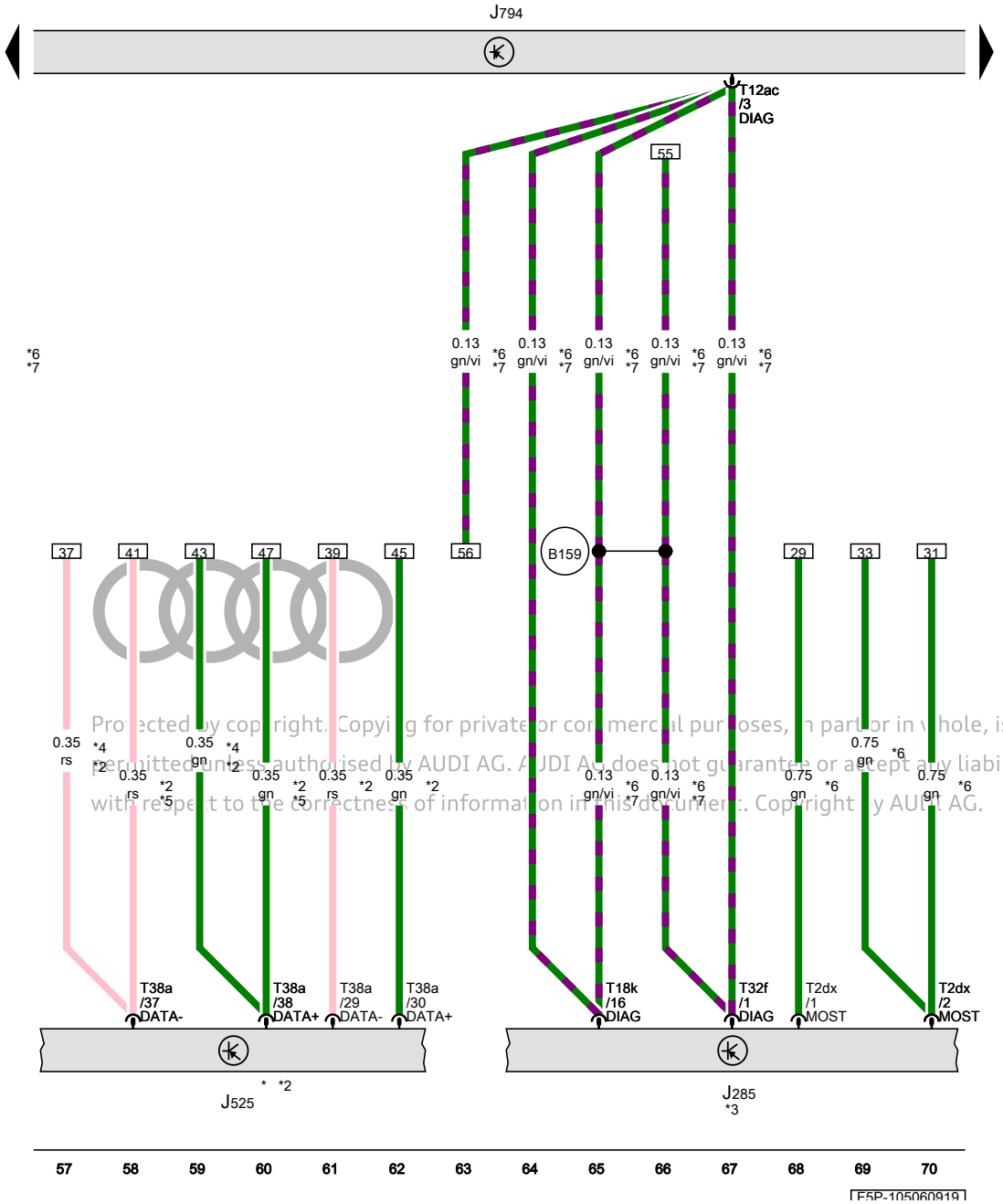
Data bus diagnostic interface, Control unit 1 for information electronics, Emergency call module control unit and communication unit

J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
J949	Emergency call module control unit and communication unit
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12ab	12-pin connector, green
T12ac	12-pin connector, grey
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20aj	20-pin connector, colourless
T54	54-pin connector, black
T54e	54-pin connector, grey
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	see applicable current flow diagram for data bus diagnostic interface
*2	Connection for ethernet
*3	From December 2019
*4	Up to November 2019
*5	For models with Bang & Olufsen sound system
*6	see applicable current flow diagram for infotainment MOST bus
*7	According to equipment
*8	For models with TV tuner
*9	see applicable current flow diagram for communication



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Digital sound package control unit, Control unit 1 for information electronics

J285	Control unit in dash panel insert
J525	Digital sound package control unit
J794	Control unit 1 for information electronics
T2dx	2-pin connector, black
T12ac	12-pin connector, grey
T18k	18-pin connector, black
T32f	32-pin connector, grey
T38a	38-pin connector, black
B159	Connection (diagnosis), in interior wiring harness
*	see applicable current flow diagram for sound system
*2	For models with Bang & Olufsen sound system
*3	see applicable current flow diagram for dash panel insert
*4	From December 2019
*5	Up to November 2019
*6	see applicable current flow diagram for infotainment MOST bus
*7	According to equipment

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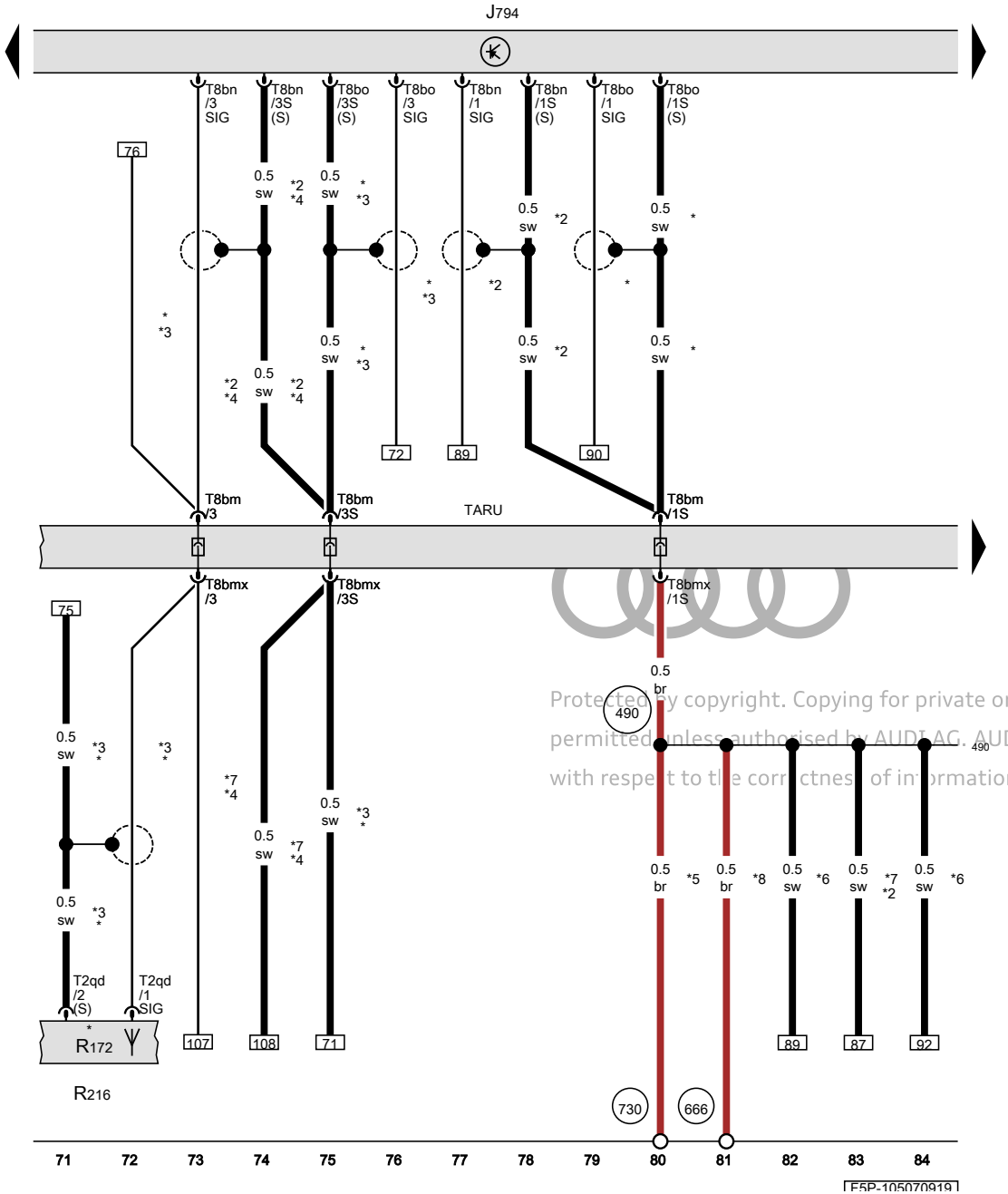

Control unit 1 for information electronics

J794	Control unit 1 for information electronics
R172	Satellite tuner aerial
R216	Roof aerial
T2qd	2-pin connector, green
T8bm	8-pin connector, white
T8bmx	8-pin connector, white
T8bn	8-pin connector, light blue
T8bo	8-pin connector, black
TARU	Coupling point on right A-pillar, bottom
490	Earth connection (screening 2), in radio-navigation system wiring harness
666	Earth point, on rear right of roof
730	Earth point 1, on right rear wheel housing
*	For American markets
*2	Not for American markets
*3	For models with satellite radio
*4	For models with digital radio
*5	Coupé
*6	For models with equipment for Japan
*7	For models with no equipment for Japan
*8	Sportback

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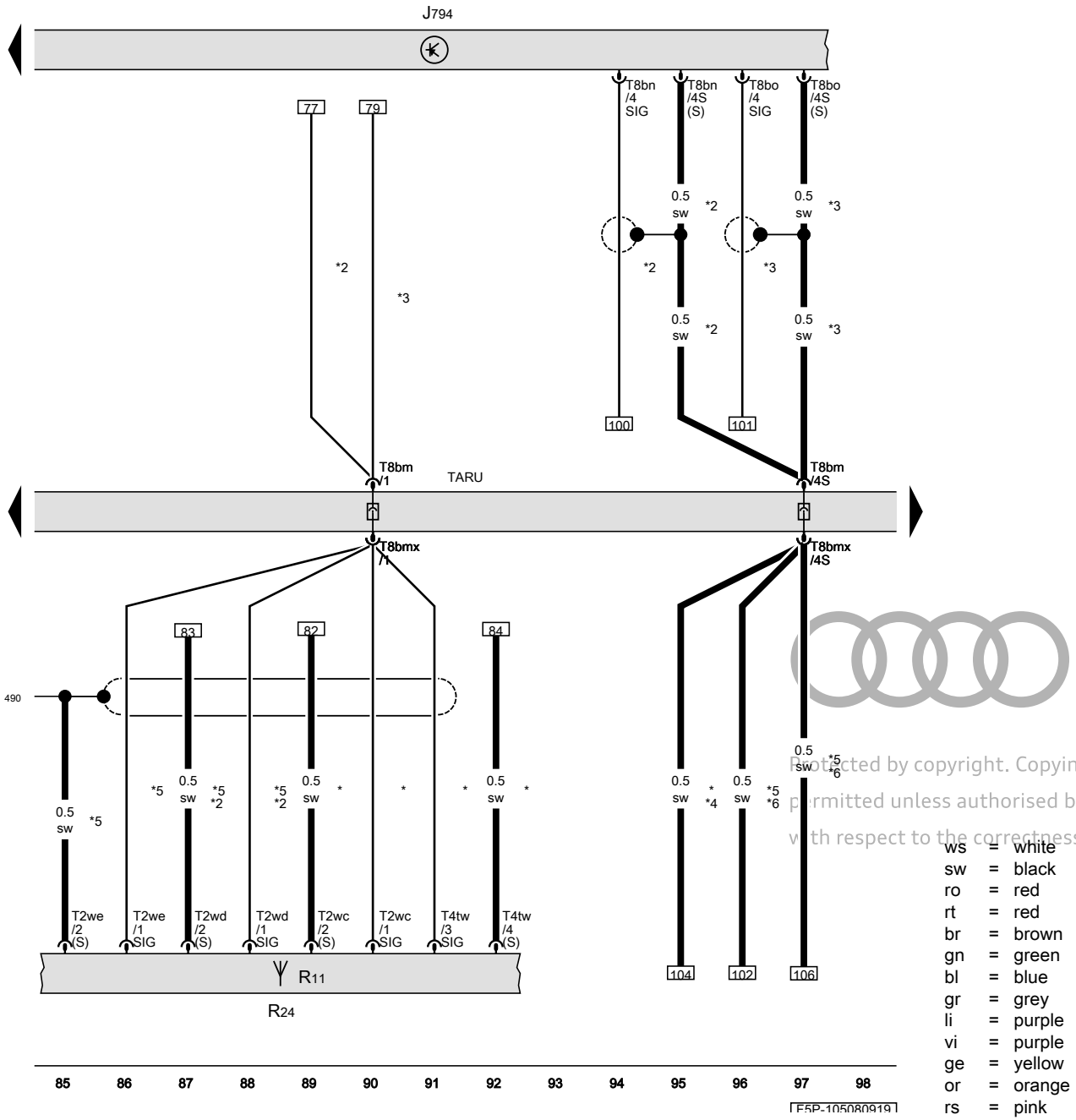
Control unit 1 for information electronics, Aerial amplifier

J794	Control unit 1 for information electronics
R11	Aerial
R24	Aerial amplifier
T2wc	2-pin connector, pink
T2wd	2-pin connector, green
T2we	2-pin connector, white
T4tw	4-pin connector, pink, white
T8bm	8-pin connector, white
T8bmx	8-pin connector, white
T8bn	8-pin connector, light blue
T8bo	8-pin connector, black
TARU	Coupling point on right A-pillar, bottom
490	Earth connection (screening 2), in radio-navigation system wiring harness
*	For models with equipment for Japan
*2	Not for American markets
*3	For American markets
*4	For models with no digital radio
*5	For models with no equipment for Japan
*6	For models with digital radio



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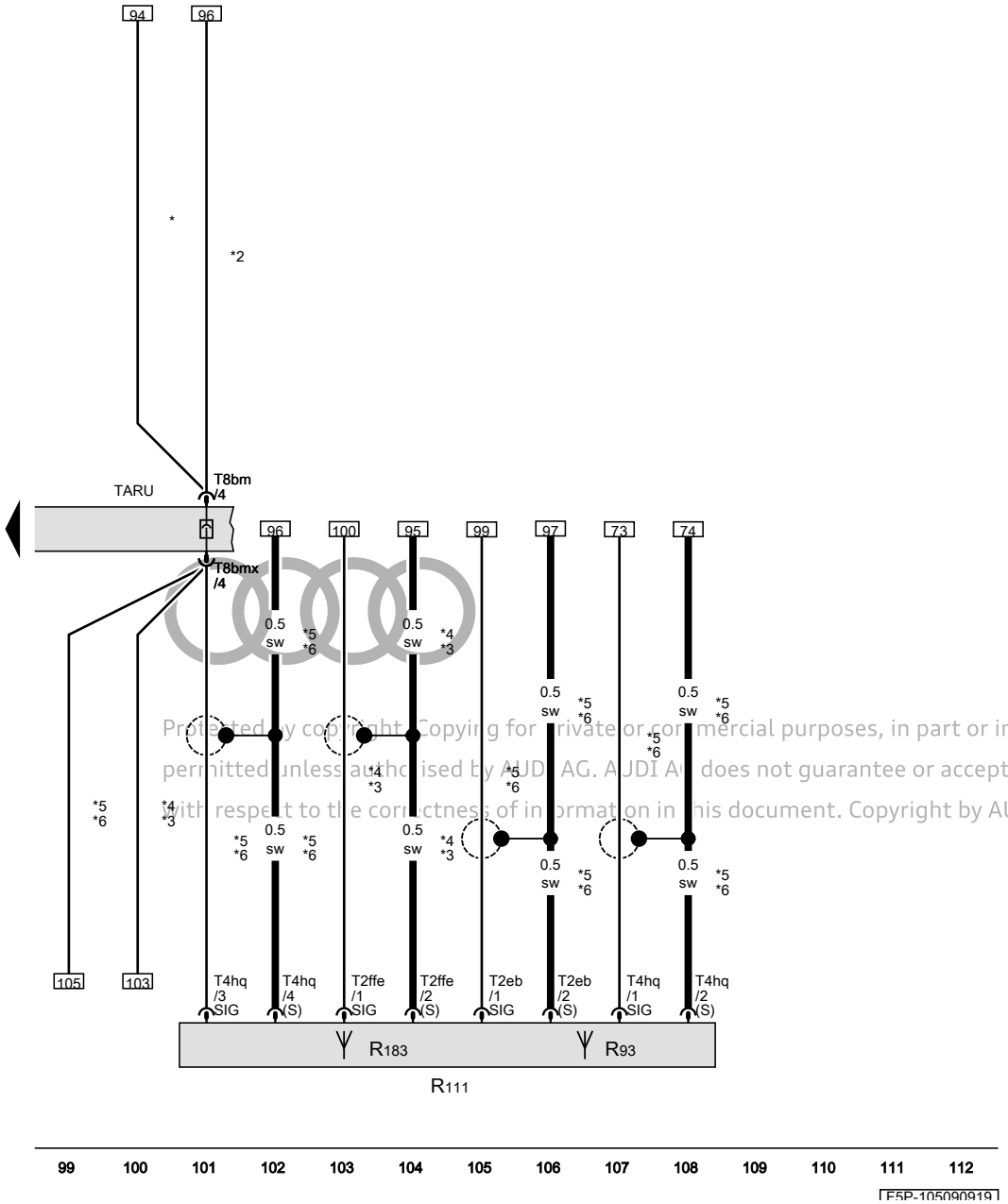

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Aerial amplifier 2

R93	Radio aerial 2
R111	Aerial amplifier 2
R183	Digital radio aerial
T2eb	2-pin connector, light brown
T2ffe	2-pin connector, blue
T4hq	4-pin connector, light brown
T8bm	8-pin connector, white
T8bmx	8-pin connector, white
TARU	Coupling point on right A-pillar, bottom
*	Not for American markets
*2	For American markets
*3	For models with no digital radio
*4	For models with equipment for Japan
*5	For models with no equipment for Japan
*6	For models with digital radio

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Sound system , (8RM),(9VD)

From October 2019

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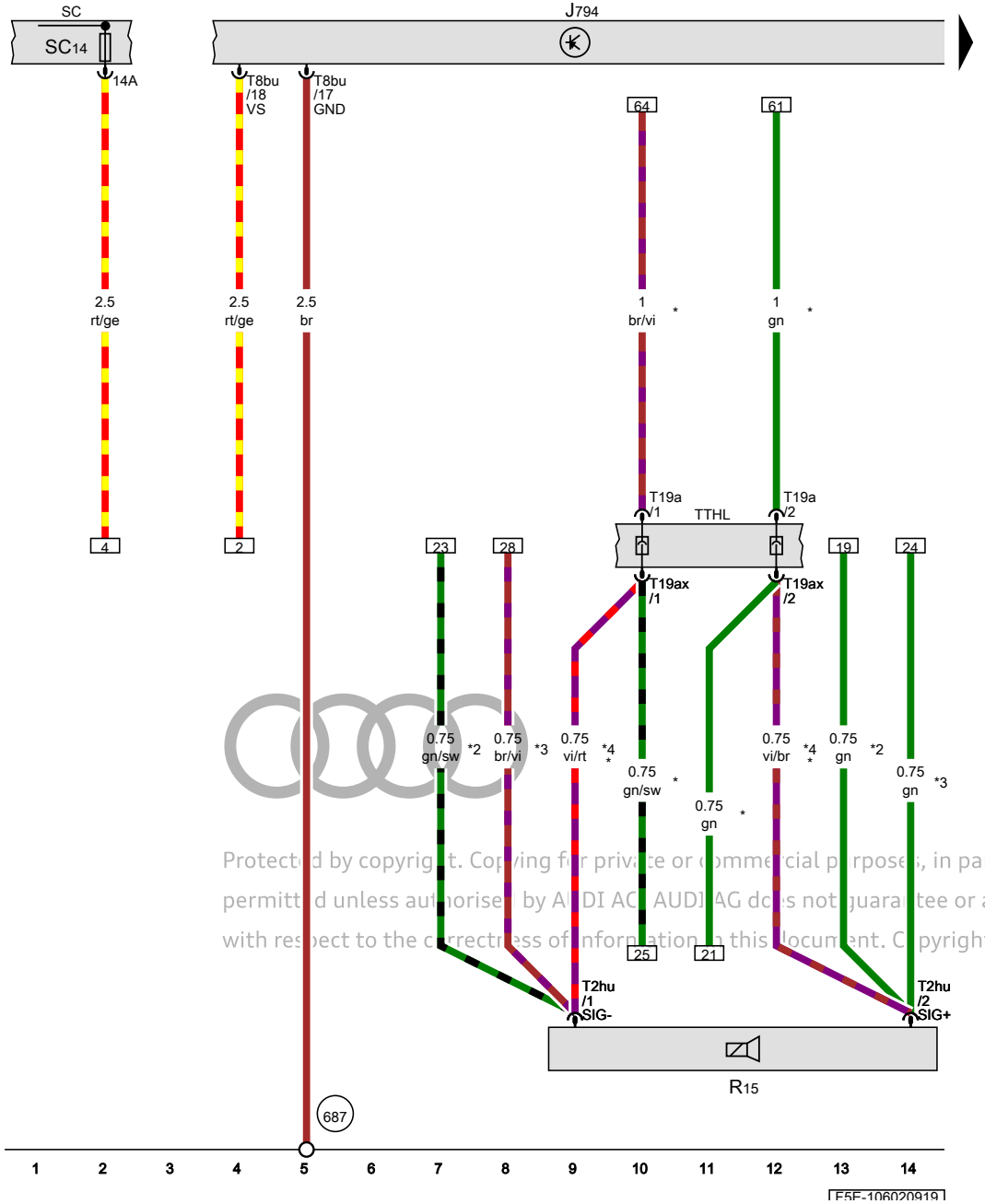

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Control unit 1 for information electronics, Rear left bass loudspeaker, Fuse holder C

J794	Control unit 1 for information electronics
R15	Rear left bass loudspeaker
SC	Fuse holder C
SC14	Fuse 14 on fuse holder C
T2hu	2-pin connector, black
T8bu	8-pin connector, black
T19a	19-pin connector, black
T19ax	19-pin connector, black
TTHL	Coupling point for rear left door
687	Earth point 1, on centre tunnel
*	Sportback
*2	Coupé
*3	For Cabriolet models
*4	Different wire colour possible

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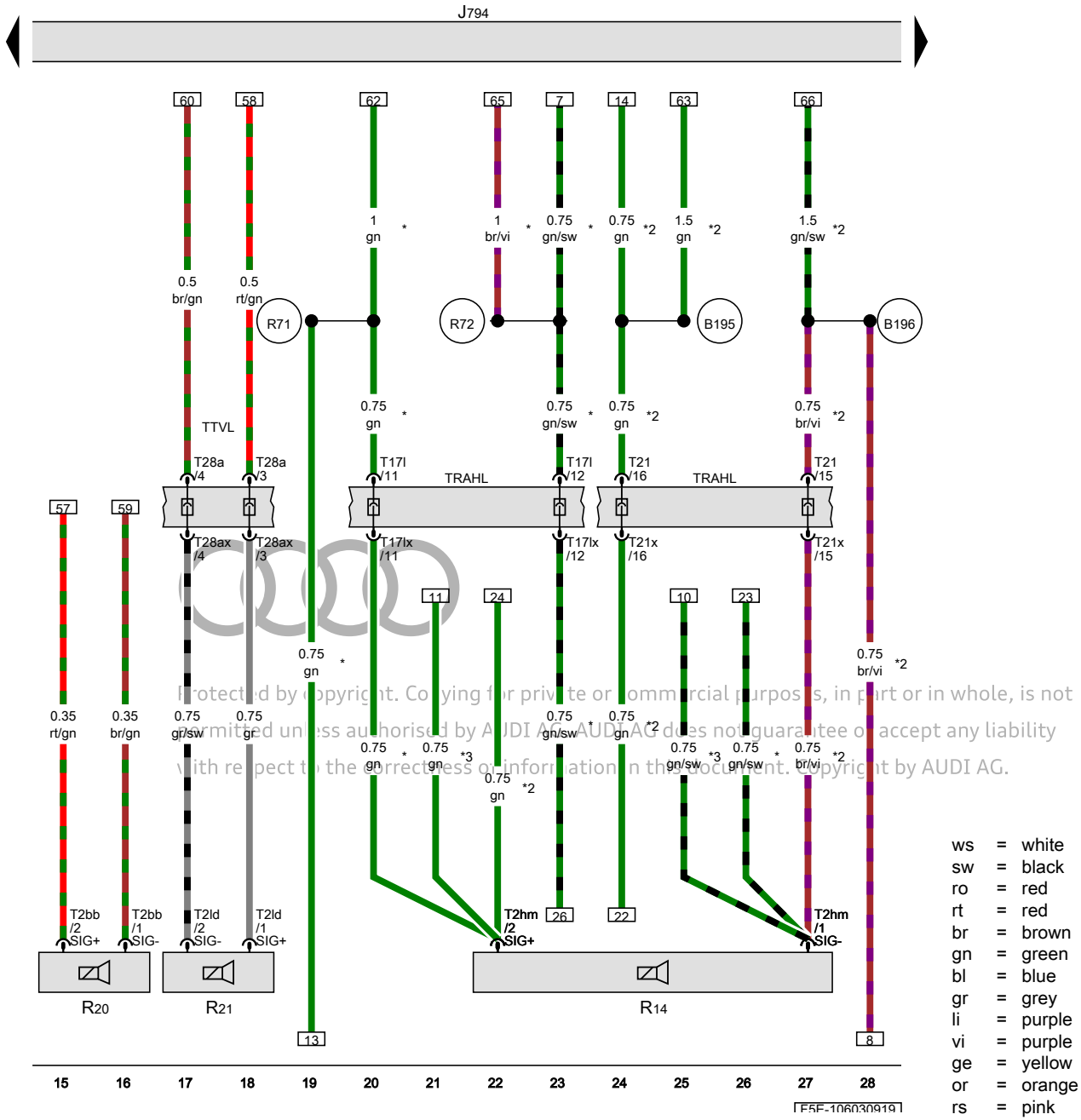
rs	=	pink



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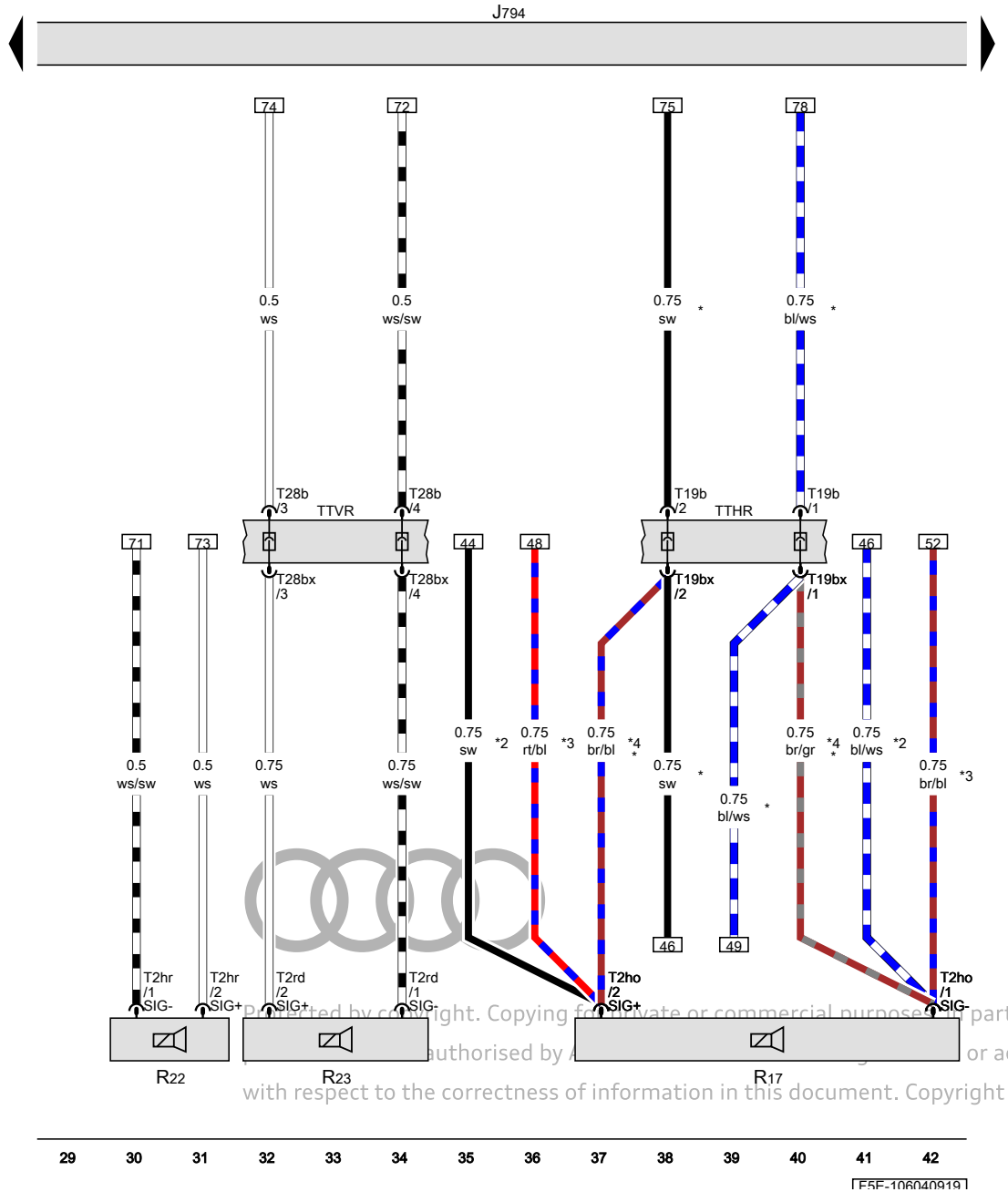
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Control unit 1 for information electronics, Rear left treble loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

J794	Control unit 1 for information electronics
R14	Rear left treble loudspeaker
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
T2bb	2-pin connector, black
T2hm	2-pin connector, black
T2ld	2-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
TTVL	Coupling point for front left door
B195	Connection (positive, rear left loudspeaker), in interior wiring harness
B196	Connection (negative, rear left loudspeaker), in interior wiring harness
R71	Connection (positive, loudspeaker)), in rear left door wiring harness
R72	Connection (negative, loudspeaker), in rear left door wiring harness
*	Coupé
*2	For Cabriolet models
*3	Sportback

Control unit 1 for information electronics, Rear right bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

J794	Control unit 1 for information electronics
R17	Rear right bass loudspeaker
R22	Front right treble loudspeaker
R23	Front right bass loudspeaker
T2ho	2-pin connector, black
T2hr	2-pin connector, black
T2rd	2-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTHR	Coupling point for rear right door
TTVR	Coupling point for front right door
*	Sportback
*2	Coupé
*3	For Cabriolet models
*4	Different wire colour possible



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or = orange
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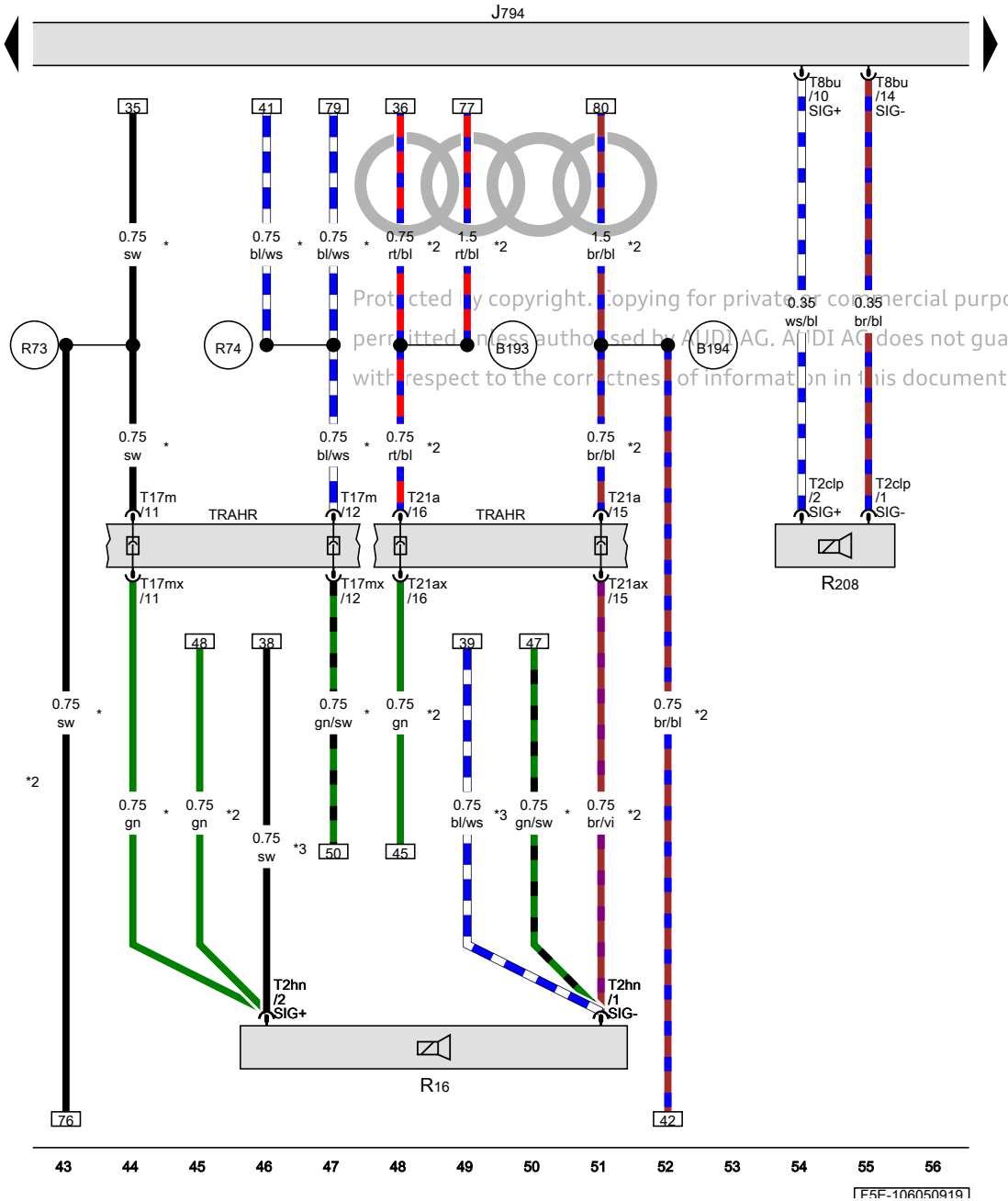

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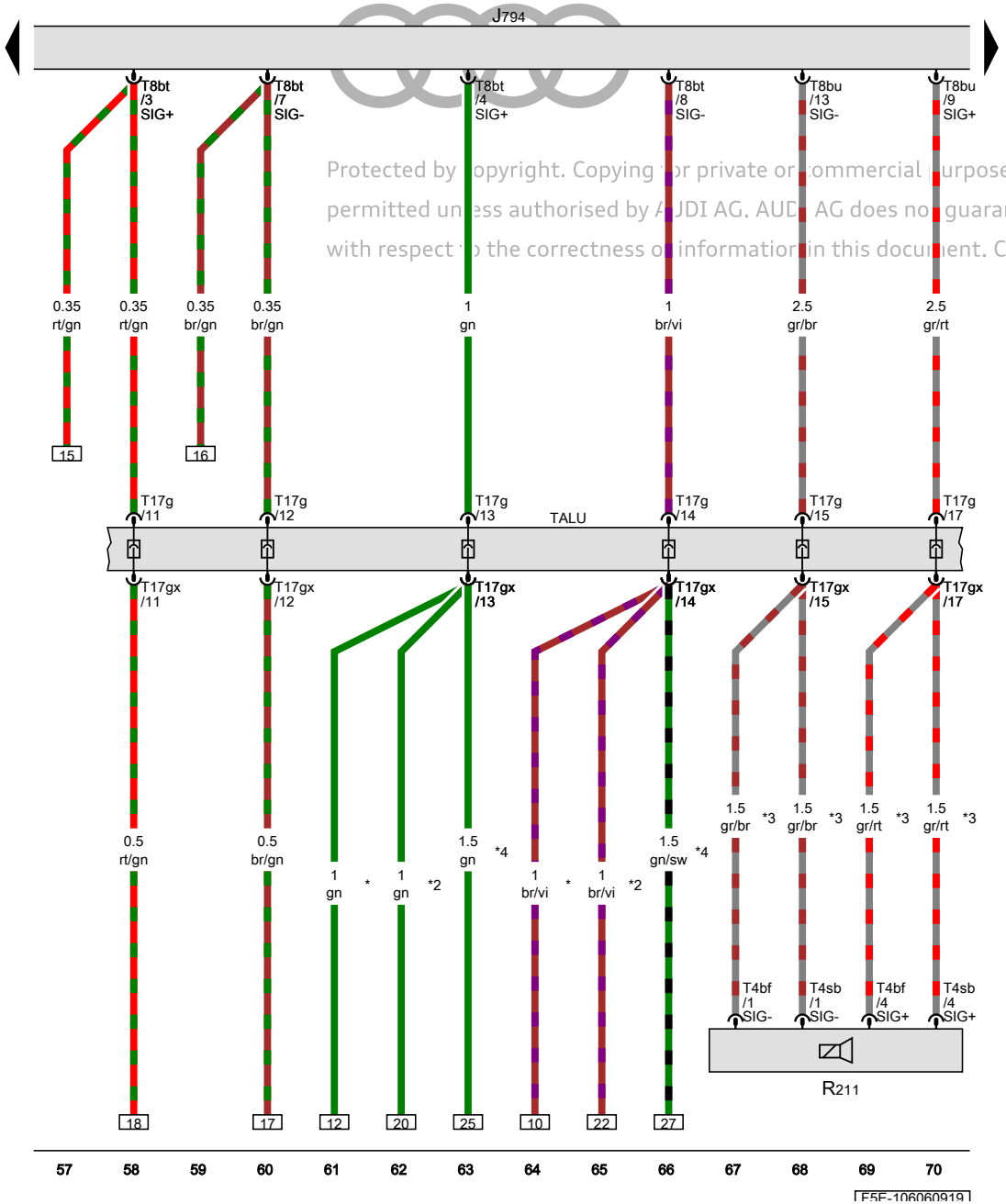
Control unit 1 for information electronics, Rear right treble loudspeaker, Centre loudspeaker

J794	Control unit 1 for information electronics
R16	Rear right treble loudspeaker
R208	Centre loudspeaker
T2clp	2-pin connector, black
T2hn	2-pin connector, black
T8bu	8-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
B193	Connection (positive, rear right loudspeaker), in interior wiring harness
B194	Connection (negative, rear right loudspeaker), in interior wiring harness
R73	Connection (positive, loudspeaker)), in rear right door wiring harness
R74	Connection (negative, loudspeaker), in rear right door wiring harness
*	Coupé
*2	For Cabriolet models
*3	Sportback

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit 1 for information electronics, Subwoofer

J794	Control unit 1 for information electronics
R211	Subwoofer
T4bf	4-pin connector, brown
T4sb	4-pin connector, black
T8bt	8-pin connector, brown
T8bu	8-pin connector, black
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
*	Sportback
*2	Coupé
*3	According to equipment
*4	For Cabriolet models



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gn	=	green
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gr	=	grey
li	=	purple
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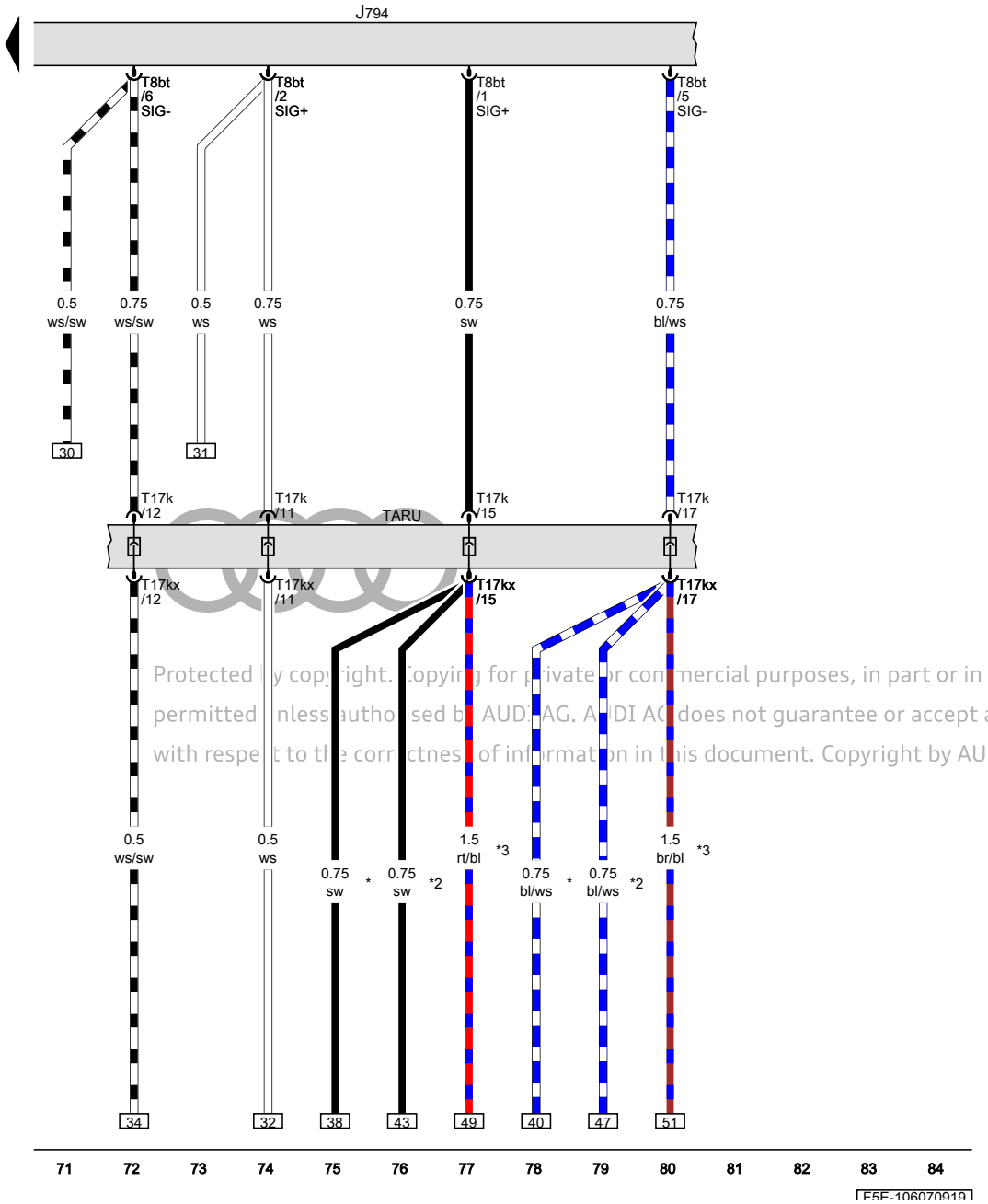

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Control unit 1 for information electronics

J794	Control unit 1 for information electronics
T8bt	8-pin connector, brown
T17k	17-pin connector, black
T17kx	17-pin connector, black
TARU	Coupling point on right A-pillar, bottom
*	Sportback
*2	Coupé
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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ge	=	yellow
or	=	orange
rs	=	pink

Sound system , (9VS)

From October 2019

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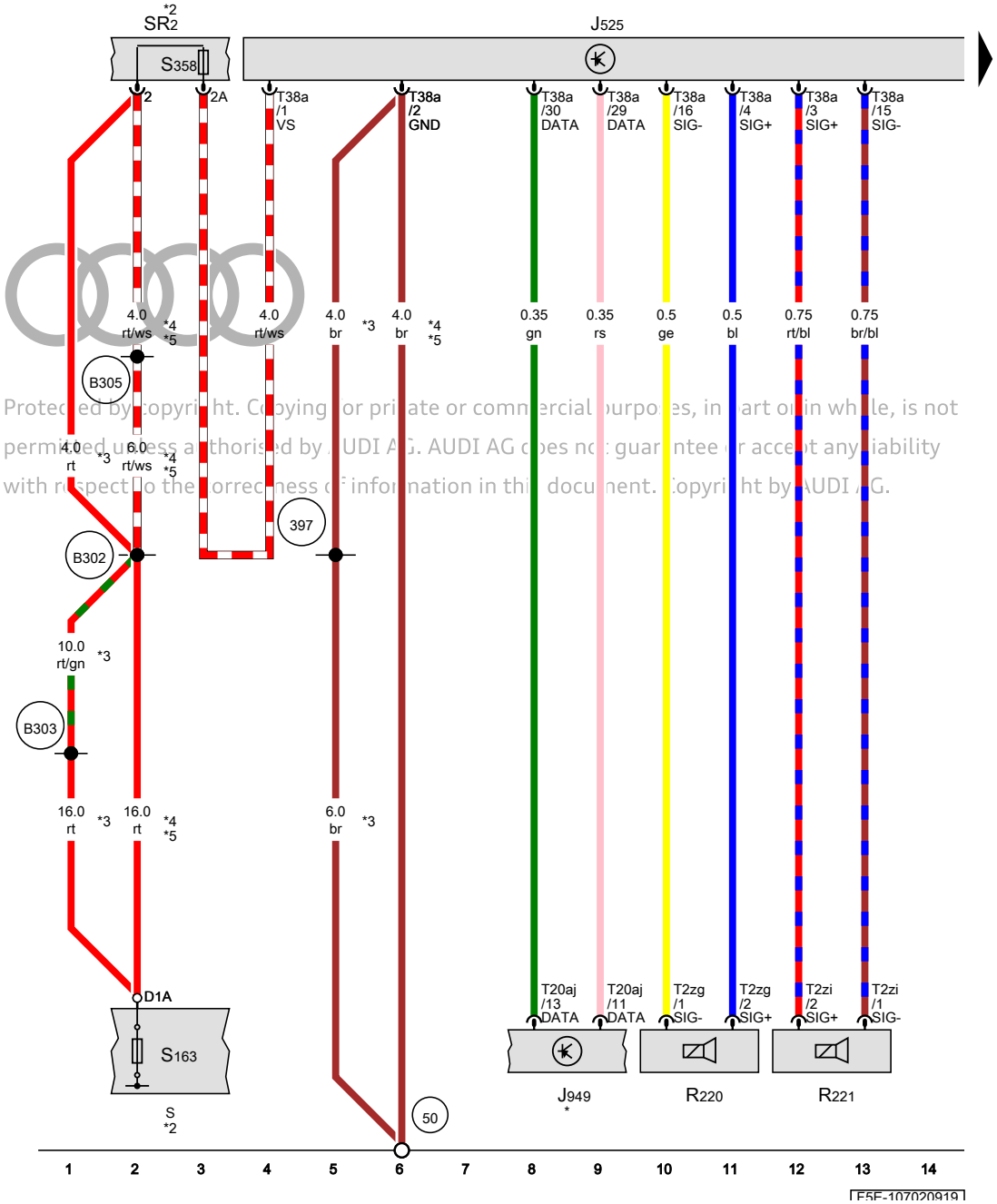

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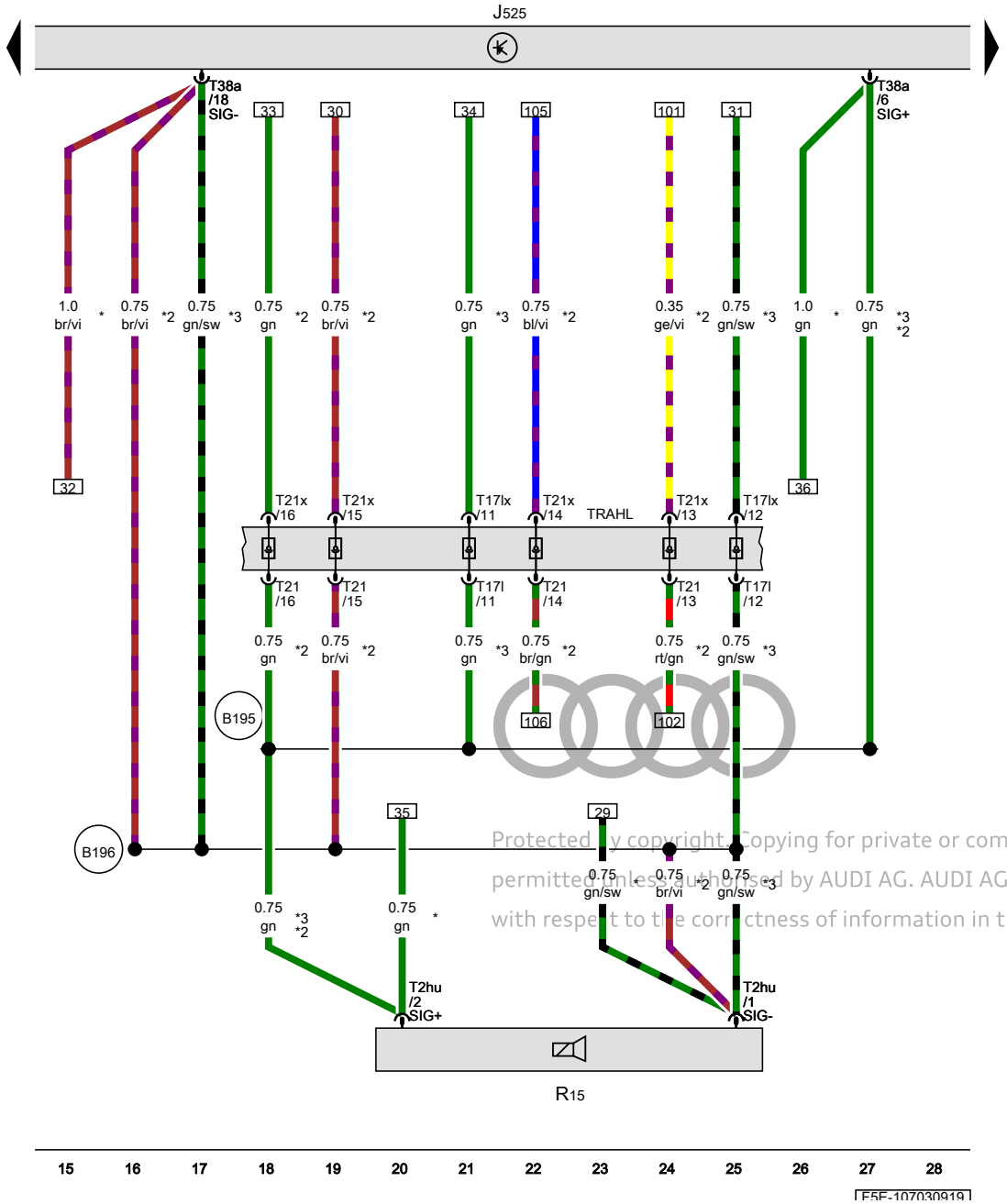
Digital sound package control unit, Emergency call module control unit and communication unit, Front left treble loudspeaker 2, Front right treble loudspeaker 2

J525	Digital sound package control unit
J949	Emergency call module control unit and communication unit
R220	Front left treble loudspeaker 2
R221	Front right treble loudspeaker 2
S	Fuses in fuse holder
SR2	Relay and fuse carrier 2
S163	Fuse 2 (30), in battery fuse holder
S358	Digital sound package fuse
T2zg	2-pin connector, black
T2zi	2-pin connector, black
T20aj	20-pin connector, colourless
T38a	38-pin connector, black
50	Earth point, on left in luggage compartment
397	Earth connection 32, in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	see applicable current flow diagram for communication
*2	see applicable current flow diagram for fuse assignment
*3	For Cabriolet models
*4	Sportback
*5	Coupé



Digital sound package control unit, Rear left bass loudspeaker

J525	Digital sound package control unit
R15	Rear left bass loudspeaker
T2hu	2-pin connector, black
T17l	17-pin connector, black
T17lx	17-pin connector, black
T21	21-pin connector, black
T21x	21-pin connector, black
T38a	38-pin connector, black
TRAHL	Coupling point in rear left wheel housing wiring
B195	Connection (positive, rear left loudspeaker), in interior wiring harness
B196	Connection (negative, rear left loudspeaker), in interior wiring harness
*	Sportback
*2	For Cabriolet models
*3	Coupé

ws	=	white
sw	=	black
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rt	=	red
br	=	brown
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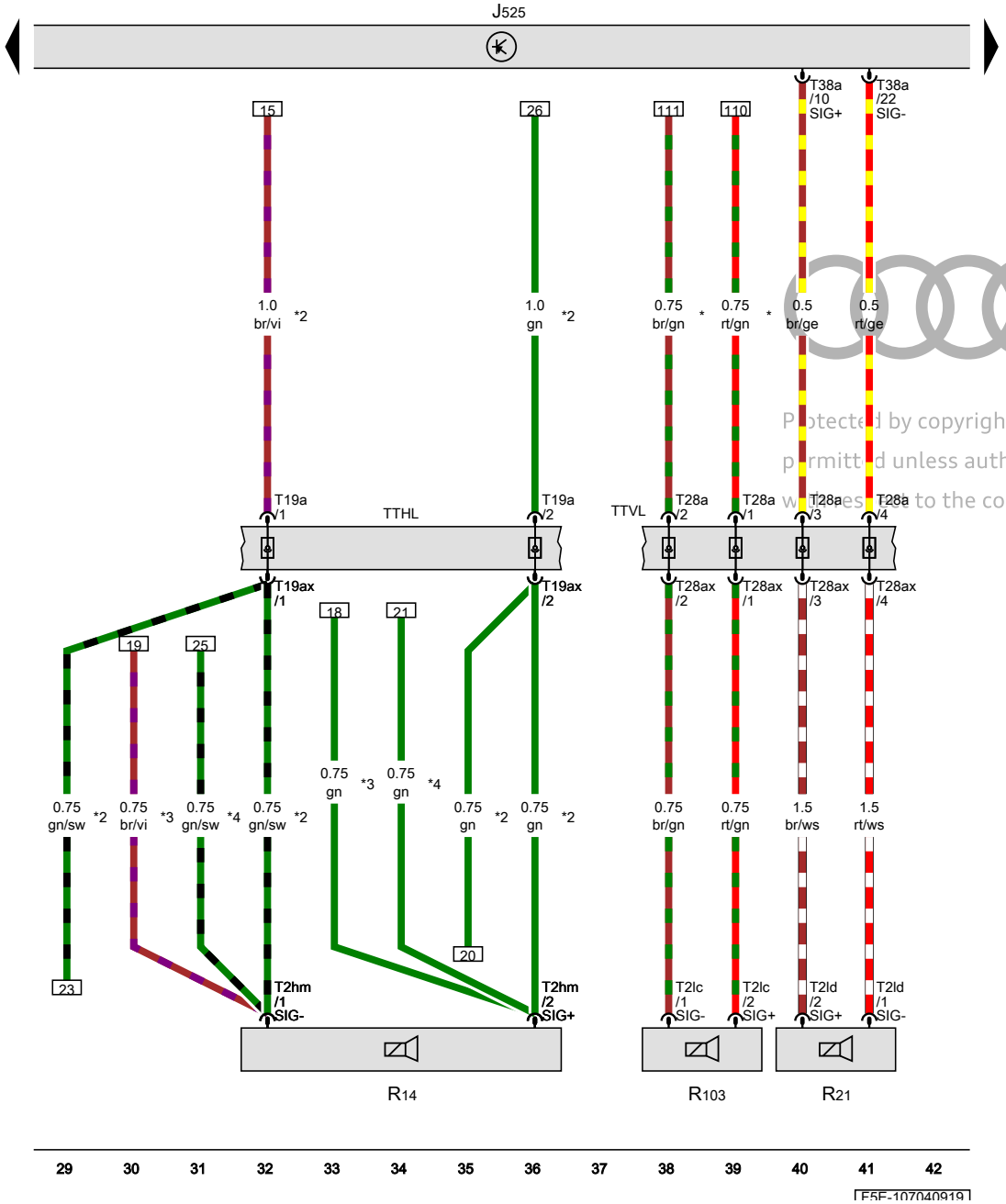
Digital sound package control unit, Rear left treble loudspeaker, Front left bass loudspeaker, Front left mid-range loudspeaker

J525	Digital sound package control unit
R14	Rear left treble loudspeaker
R21	Front left bass loudspeaker
R103	Front left mid-range loudspeaker
T2hm	2-pin connector, black
T2lc	2-pin connector, black
T2ld	2-pin connector, yellow
T19a	19-pin connector, black
T19ax	19-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
T38a	38-pin connector, black
TTHL	Coupling point for rear left door
TTVL	Coupling point for front left door
*	Cross section depends on equipment
*2	Sportback
*3	For Cabriolet models
*4	Coupé



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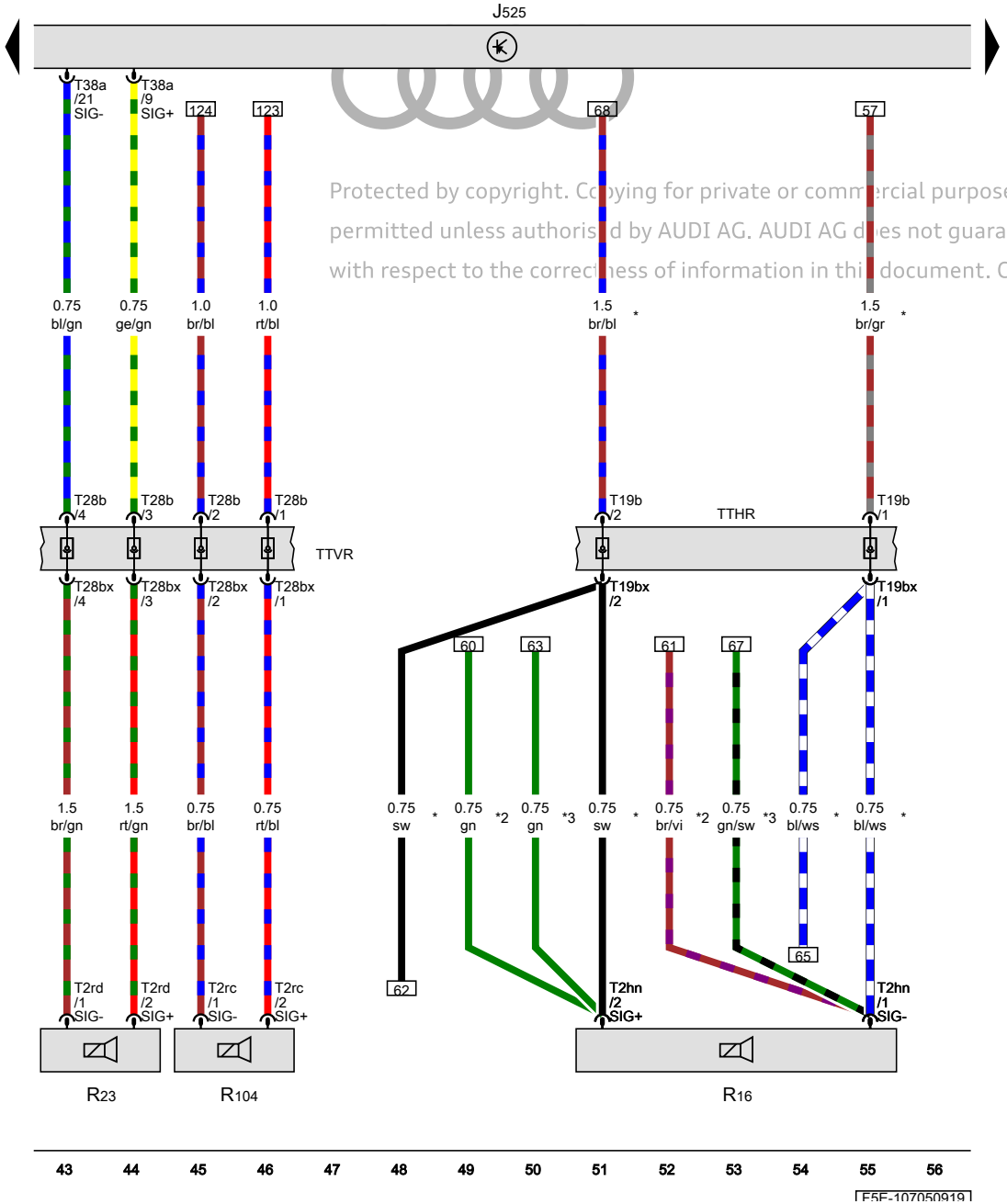
or	=	orange
rs	=	pink

Digital sound package control unit, Rear right treble loudspeaker, Front right bass loudspeaker, Front right mid-range loudspeaker

J525	Digital sound package control unit
R16	Rear right treble loudspeaker
R23	Front right bass loudspeaker
R104	Front right mid-range loudspeaker
T2hn	2-pin connector, black
T2rc	2-pin connector, black
T2rd	2-pin connector, black
T19b	19-pin connector, black
T19bx	19-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
T38a	38-pin connector, black
TTHR	Coupling point for rear right door
TTVR	Coupling point for front right door
*	Sportback
*2	For Cabriolet models
*3	Coupé



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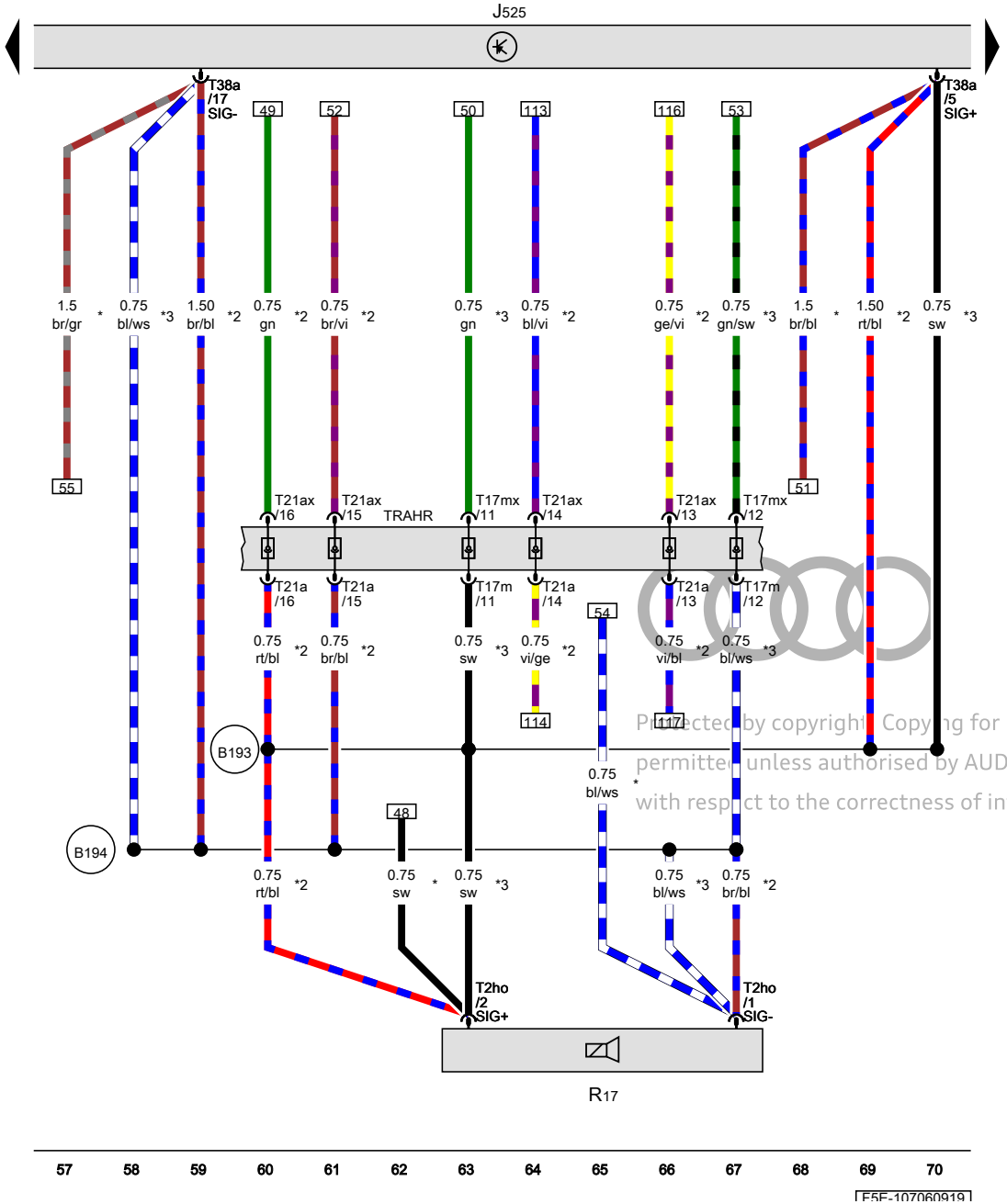

Digital sound package control unit, Rear right bass loudspeaker

J525	Digital sound package control unit
R17	Rear right bass loudspeaker
T2ho	2-pin connector, black
T17m	17-pin connector, black
T17mx	17-pin connector, black
T21a	21-pin connector, black
T21ax	21-pin connector, black
T38a	38-pin connector, black
TRAHR	Coupling point in rear right wheel housing wiring
B193	Connection (positive, rear right loudspeaker), in interior wiring harness
B194	Connection (negative, rear right loudspeaker), in interior wiring harness
*	Sportback
*2	For Cabriolet models
*3	Coupé

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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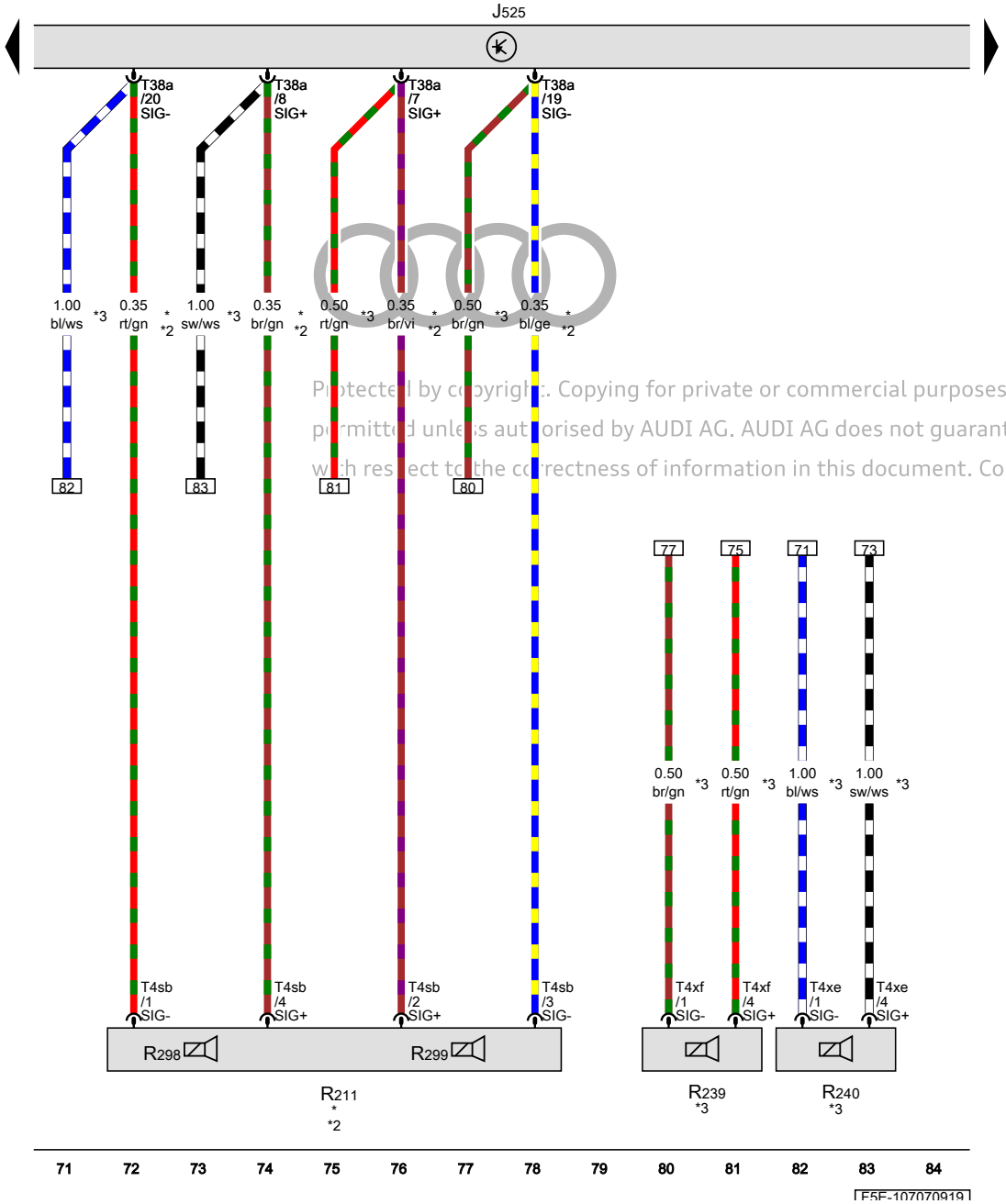
Digital sound package control unit, Subwoofer, Rear left subwoofer, Rear right subwoofer

J525	Digital sound package control unit
R211	Subwoofer
R239	Rear left subwoofer
R240	Rear right subwoofer
R298	Dual subwoofer loudspeaker 1
R299	Dual subwoofer loudspeaker 2
T4sb	4-pin connector, black
T4xe	4-pin connector, black
T4xf	4-pin connector, black
T38a	38-pin connector, black
*	Coupé
*2	Sportback
*3	For Cabriolet models



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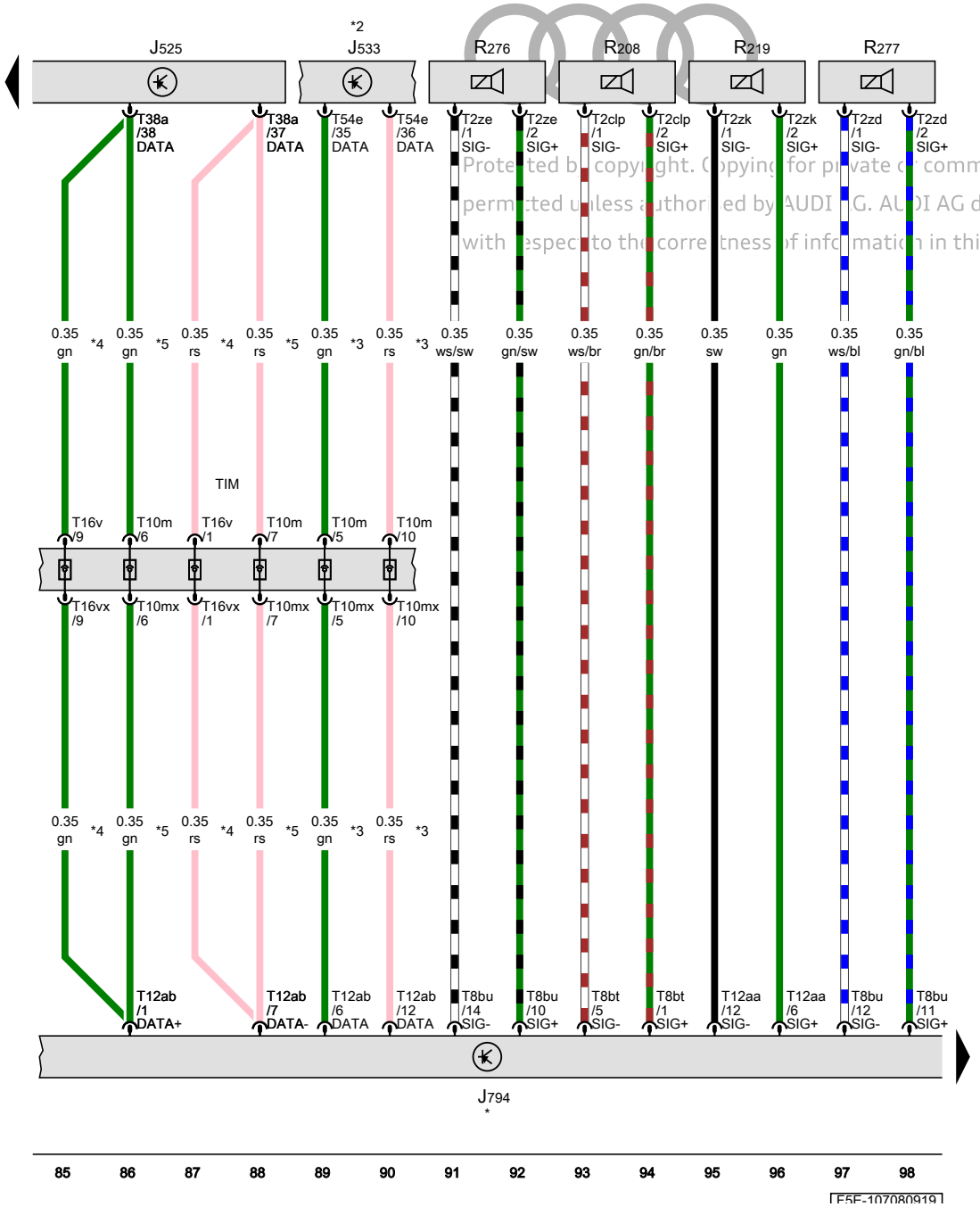

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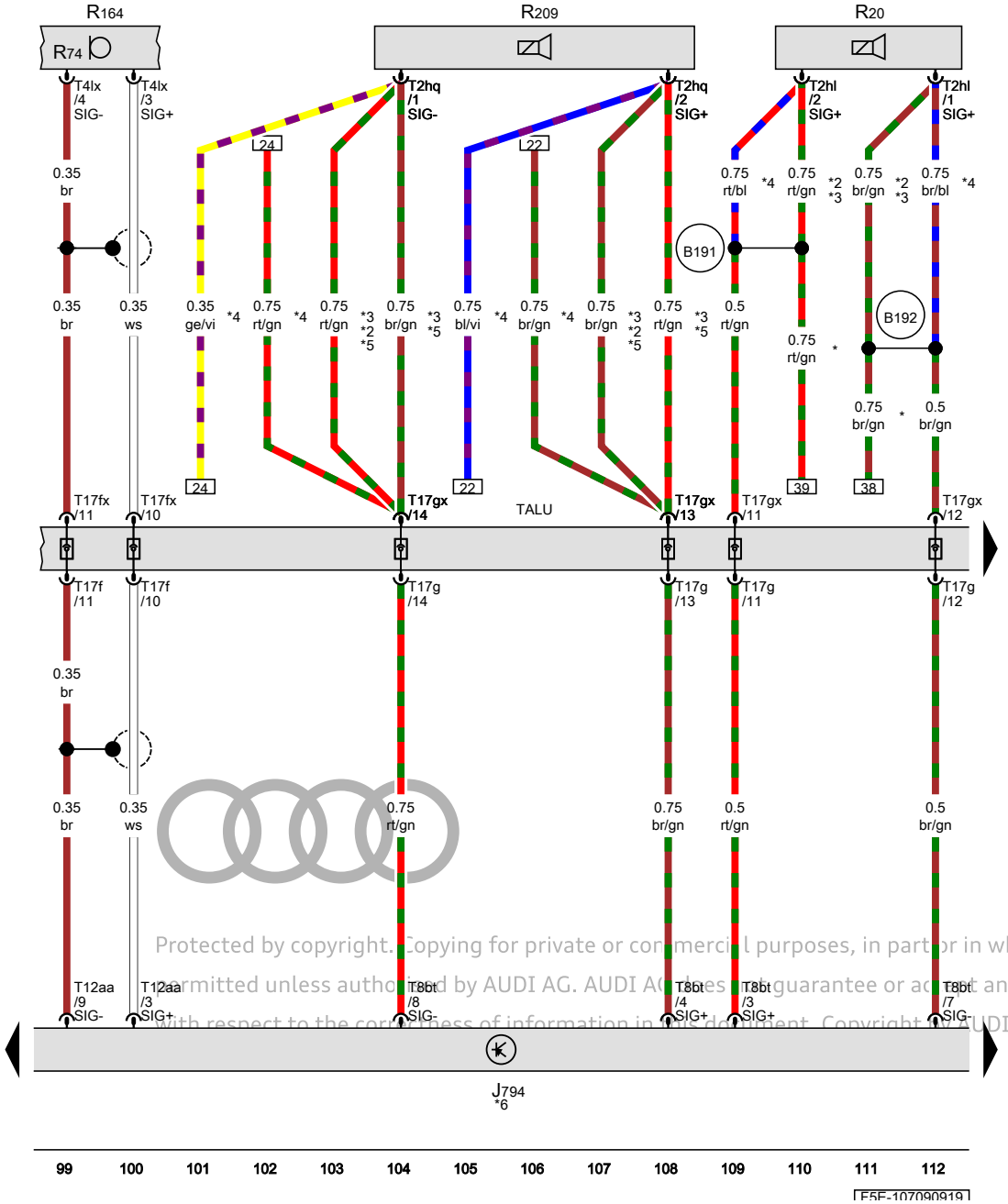
Digital sound package control unit, Data bus diagnostic interface, Control unit 1 for information electronics, Centre loudspeaker, Centre loudspeaker 2, Front left mid-range loudspeaker 2, Front right mid-range loudspeaker 2

J525	Digital sound package control unit
J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
R208	Centre loudspeaker
R219	Centre loudspeaker 2
R276	Front left mid-range loudspeaker 2
R277	Front right mid-range loudspeaker 2
T2clp	2-pin connector, black
T2zd	2-pin connector, black
T2ze	2-pin connector, black
T2zk	2-pin connector, black
T8bt	8-pin connector, brown
T8bu	8-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12aa	12-pin connector, blue
T12ab	12-pin connector, green
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T38a	38-pin connector, black
T54e	54-pin connector, grey
TIM	Coupling point in interior, centre
*	see applicable current flow diagram for MMI (information electronics)
*2	see applicable current flow diagram for data bus network
*3	Connection for ethernet
*4	From December 2019
*5	Up to November 2019



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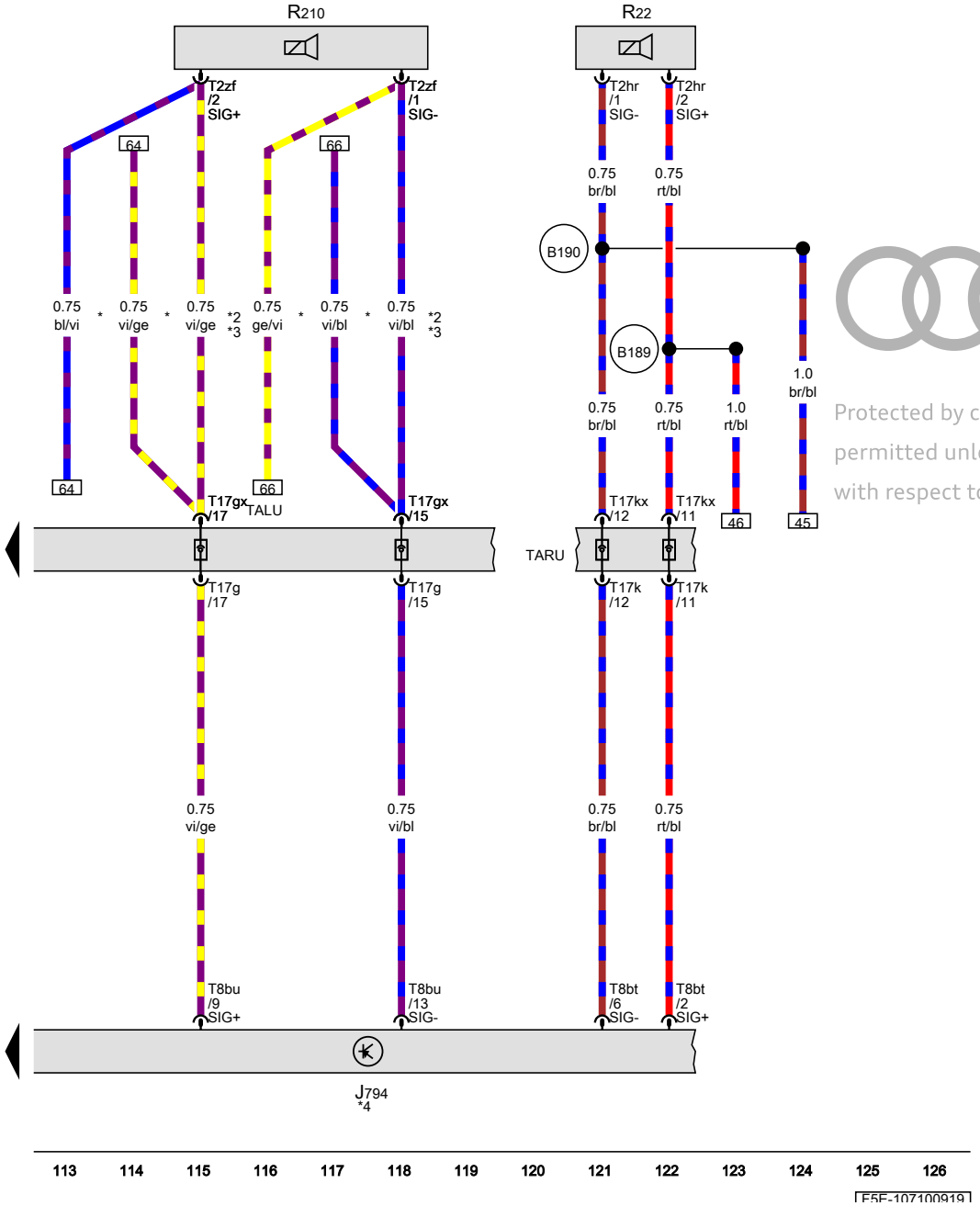
Control unit 1 for information electronics, Front left treble loudspeaker, Left effect loudspeaker

J794	Control unit 1 for information electronics
R20	Front left treble loudspeaker
R74	Internal microphone
R164	Microphone unit in front roof module
R209	Left effect loudspeaker
T2hl	2-pin connector, black
T2hq	2-pin connector, black
T4lx	4-pin connector, black
T8bt	8-pin connector, brown
T12aa	12-pin connector, blue
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness
*	Cross section depends on equipment
*2	Coupé
*3	Sportback
*4	For Cabriolet models
*5	According to equipment
*6	see applicable current flow diagram for MMI (information electronics)



Control unit 1 for information electronics, Front right treble loudspeaker, Right effect loudspeaker

J794	Control unit 1 for information electronics
R22	Front right treble loudspeaker
R210	Right effect loudspeaker
T2hr	2-pin connector, black
T2zf	2-pin connector, black
T8bt	8-pin connector, brown
T8bu	8-pin connector, black
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T17k	17-pin connector, black
T17kx	17-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TARU	Coupling point on right A-pillar, bottom
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
*	For Cabriolet models
*2	Coupé
*3	Sportback
*4	see applicable current flow diagram for MMI (information electronics)

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Communication, Japan

From October 2019

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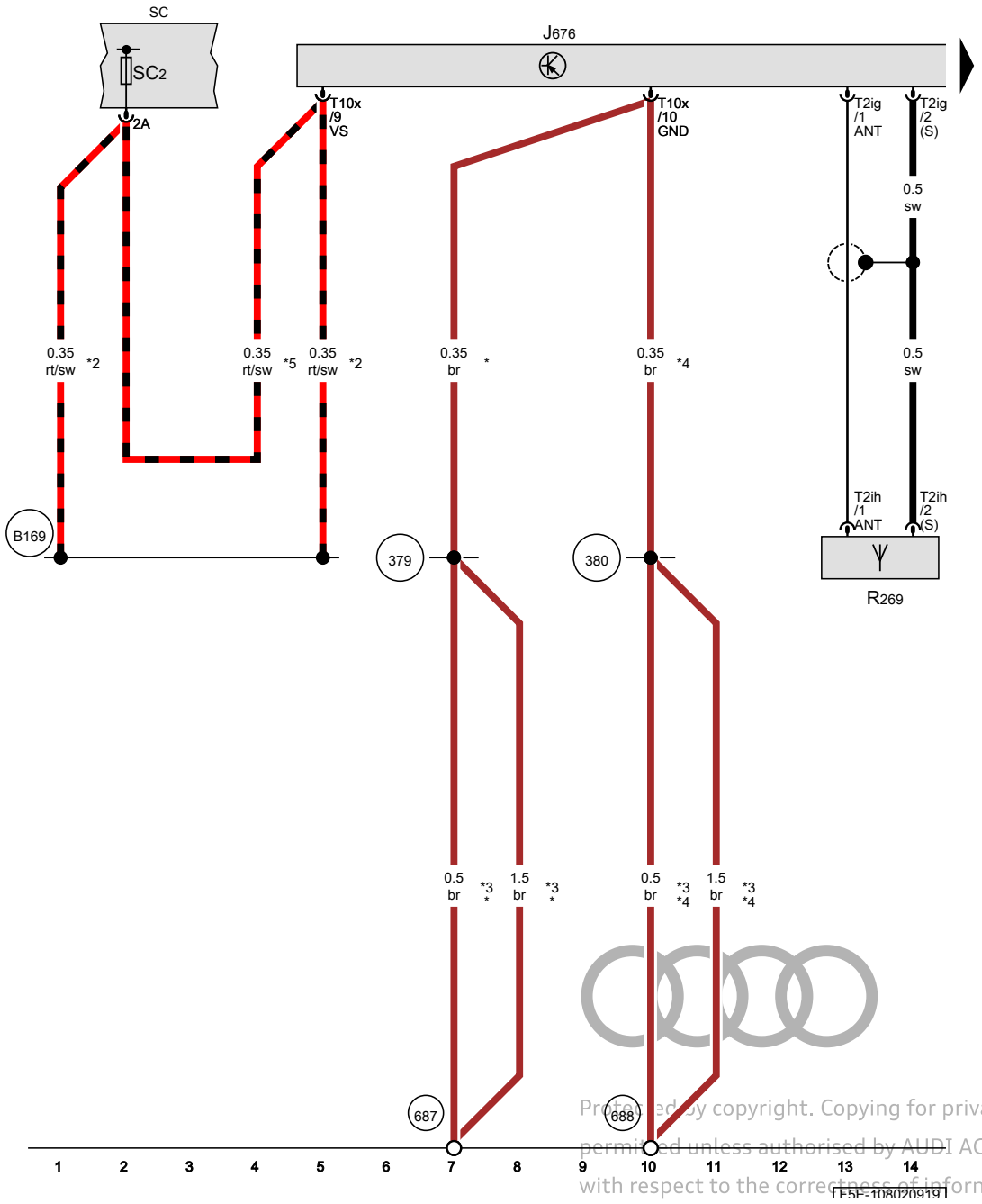

Chip card reader control unit, Dedicated short-range communication aerial, Fuse holder C

J676	Chip card reader control unit
R269	Dedicated short-range communication aerial
SC	Fuse holder C
SC2	Fuse 2 on fuse holder C
T2ig	2-pin connector, yellow
T2ih	2-pin connector, yellow
T10x	10-pin connector, black
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
B169	Positive connection 1 (30), in interior wiring harness
*	For right-hand drive models
*2	For models with mobile telephone/preparation for mobile telephone
*3	According to equipment
*4	For left-hand drive models
*5	For models with no telephone/preparation for mobile telephone

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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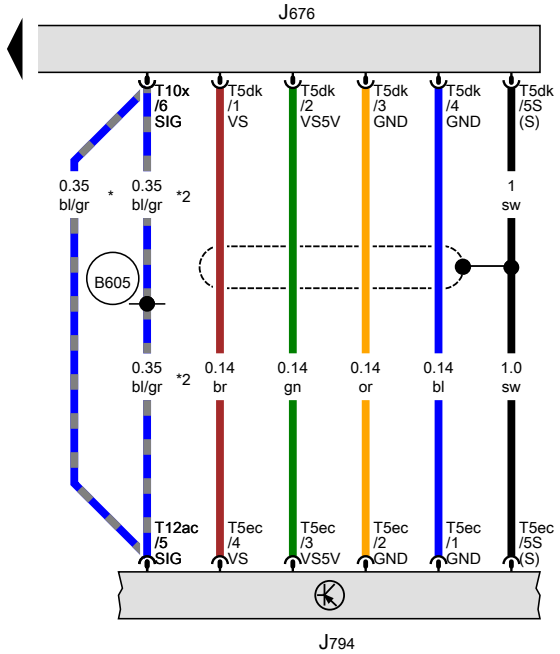

Chip card reader control unit

J676	Chip card reader control unit
J794	Control unit 1 for information electronics
T5dk	5-pin connector, brown
T5ec	5-pin connector, blue
T10x	10-pin connector, black
T12ac	12-pin connector, grey
B605	Connection 1, in interior wiring harness
*	For models with no telephone/preparation for mobile telephone
*2	For models with mobile telephone/preparation for mobile telephone

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15 16 17 18 19 20 21 22 23 24 25 26 27 28

E5E-1080309191

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

USB connections for data transfer

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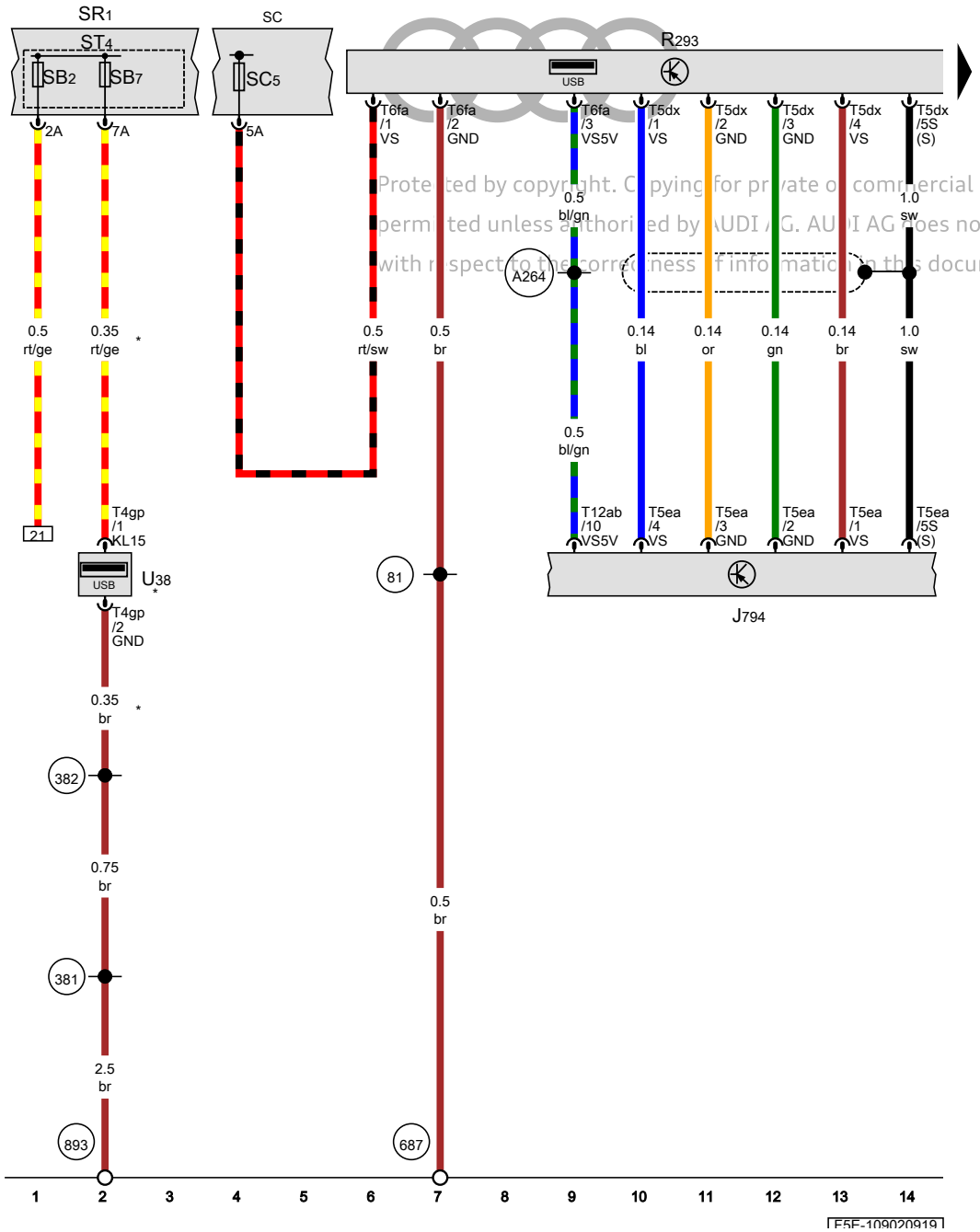

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Control unit 1 for information electronics, USB hub, Fuse holder C, Relay and fuse carrier 1, USB charging socket 2

J794	Control unit 1 for information electronics
R293	USB hub
SC	Fuse holder C
SR1	Relay and fuse carrier 1
SB2	Fuse 2 on fuse holder B
ST4	Fuse carrier 4, black
SC5	Fuse 5 on fuse holder C
SB7	Fuse 7 on fuse holder B
T4gp	4-pin connector, red
T5dx	5-pin connector, green
T5ea	5-pin connector, brown
T6fa	6-pin connector, black
T12ab	12-pin connector, green
U38	USB charging socket 2
81	Earth connection 1, in dash panel wiring harness
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
687	Earth point 1, on centre tunnel
893	Earth point 2, on left B-pillar
A264	Connection 1 (5V), in dash panel wiring harness
*	According to equipment

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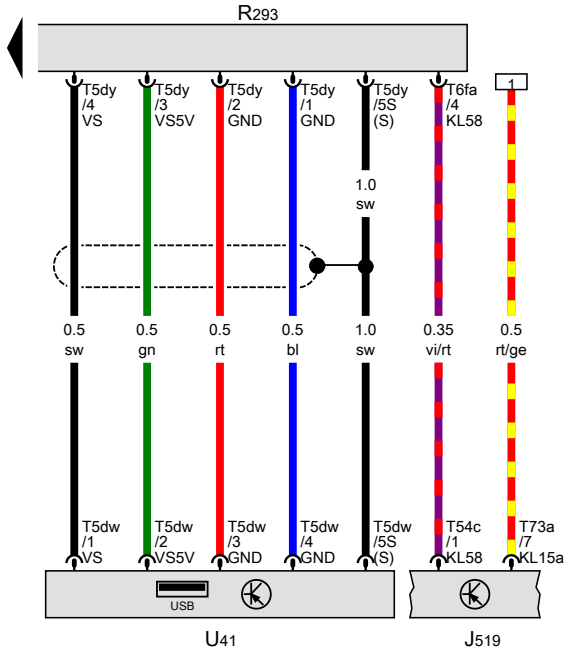
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Onboard supply control unit, USB hub, USB connection 1

J519	Onboard supply control unit
R293	USB hub
T5dw	5-pin connector, green
T5dy	5-pin connector, purple
T6fa	6-pin connector, black
T54c	54-pin connector, black
T73a	73-pin connector, black
U41	USB connection 1



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F5F-1090309191

Mobile telephone systems , (9ZE),(9ZV)

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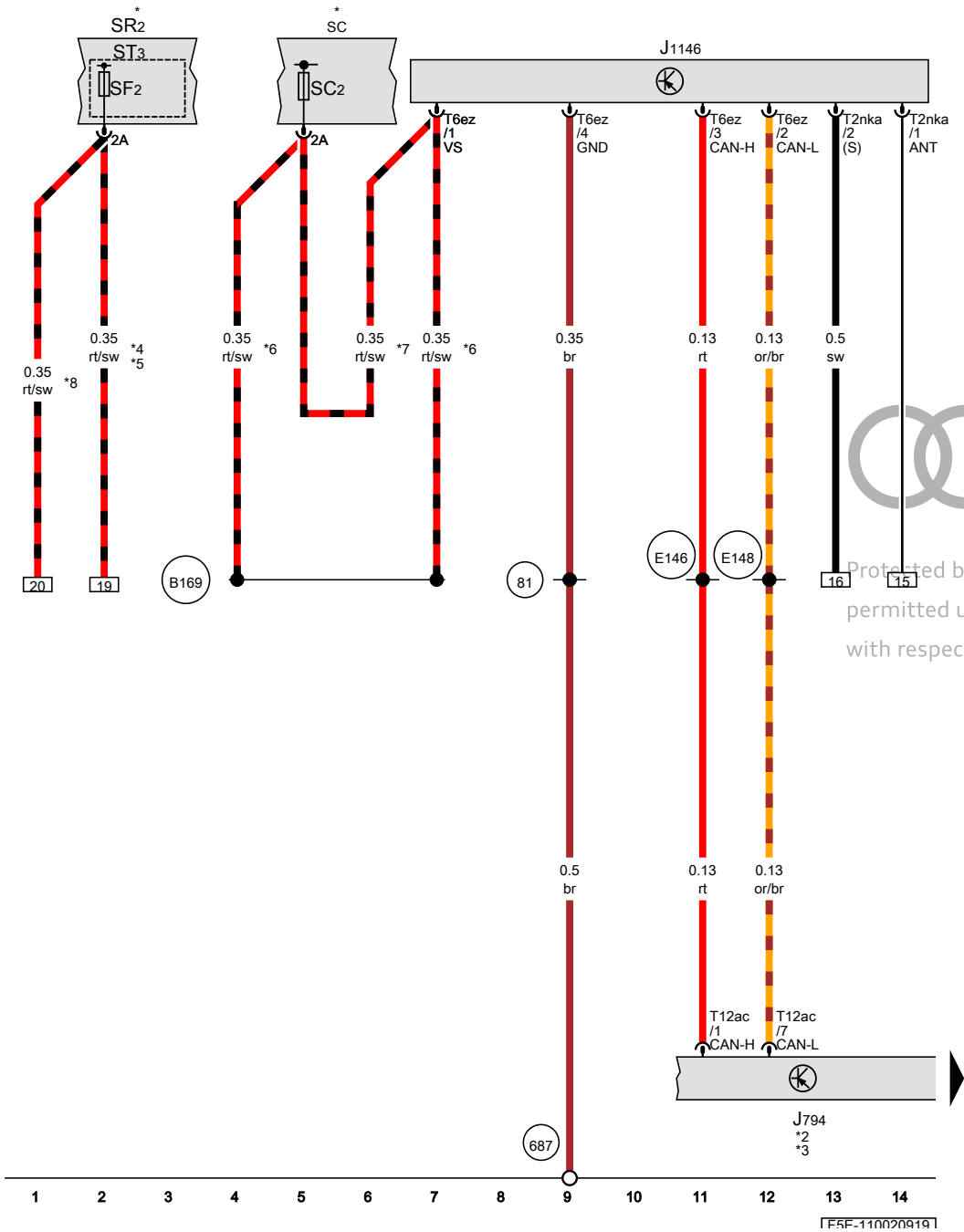

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gn = green
bl = blue
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vi = purple
ge = yellow
or = orange
rs = pink

Control unit 1 for information electronics, Charging unit 1 for mobile devices, Fuse holder C, Relay and fuse carrier 2

J794	Control unit 1 for information electronics
J1146	Charging unit 1 for mobile devices
SC	Fuse holder C
SR2	Relay and fuse carrier 2
SF2	Fuse 2 in fuse holder F
SC2	Fuse 2 on fuse holder C
ST3	Fuse carrier 3, brown
T2nka	2-pin connector, purple
T6ez	6-pin connector, black
T12ac	12-pin connector, grey
81	Earth connection 1, in dash panel wiring harness
687	Earth point 1, on centre tunnel
B169	Positive connection 1 (30), in interior wiring harness
E146	Connection 2 (CAN bus, control unit 1 for information electronics, high)
E148	Connection 2 (CAN bus, control unit 1 for information electronics, low)

* see applicable current flow diagram for fuse assignment
*2 see applicable current flow diagram for communication
*3 see applicable current flow diagram for MMI (information electronics)
*4 Sportback
*5 Coupé
*6 For models with equipment for Japan
*7 For models with no equipment for Japan
*8 For Cabriolet models

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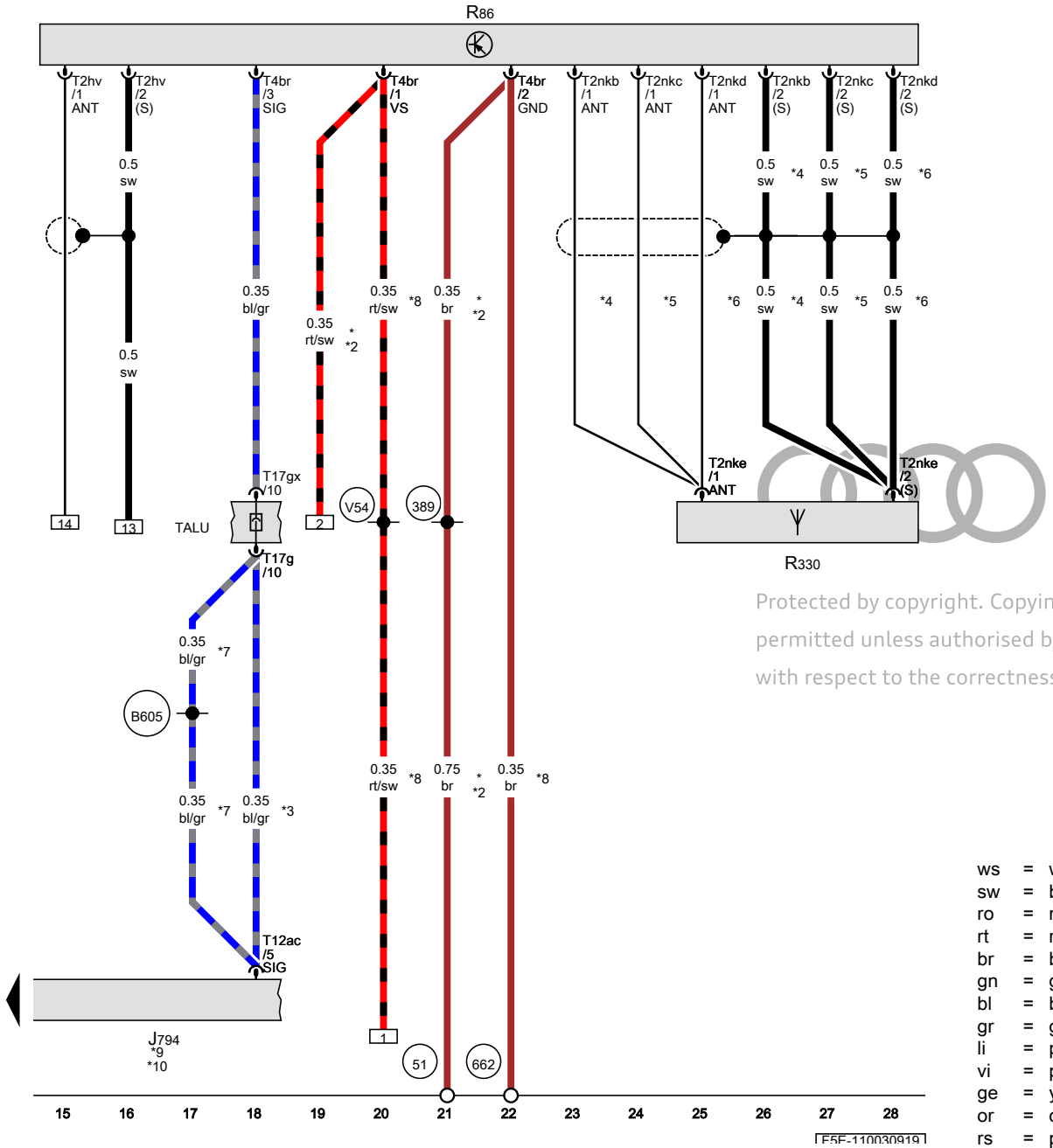

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Control unit 1 for information electronics, Aerial amplifier for mobile telephone, LTE aerial 3

J794	Control unit 1 for information electronics
R86	Aerial amplifier for mobile telephone
R330	LTE aerial 3, behind rear bumper on right
T2hv	2-pin connector, black
T2nkb	2-pin connector, purple
T2nkc	2-pin connector, colourless
T2nkd	2-pin connector, yellow
T2nke	2-pin connector, purple
T4br	4-pin connector, black
T12ac	12-pin connector, grey
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
51	Earth point, on right in luggage compartment
389	Earth connection 24, in main wiring harness
662	Earth point, rear left side panel
B605	Connection 1, in interior wiring harness
V54	Connection 1 (telephone), in main wiring harness
*	Sportback
*2	Coupé
*3	For models with no equipment for Japan
*4	Version 1
*5	Version 2
*6	Version 3
*7	For models with equipment for Japan
*8	For Cabriolet models
*9	see applicable current flow diagram for communication
*10	see applicable current flow diagram for MMI (information electronics)

Interface for external use , (ER6)

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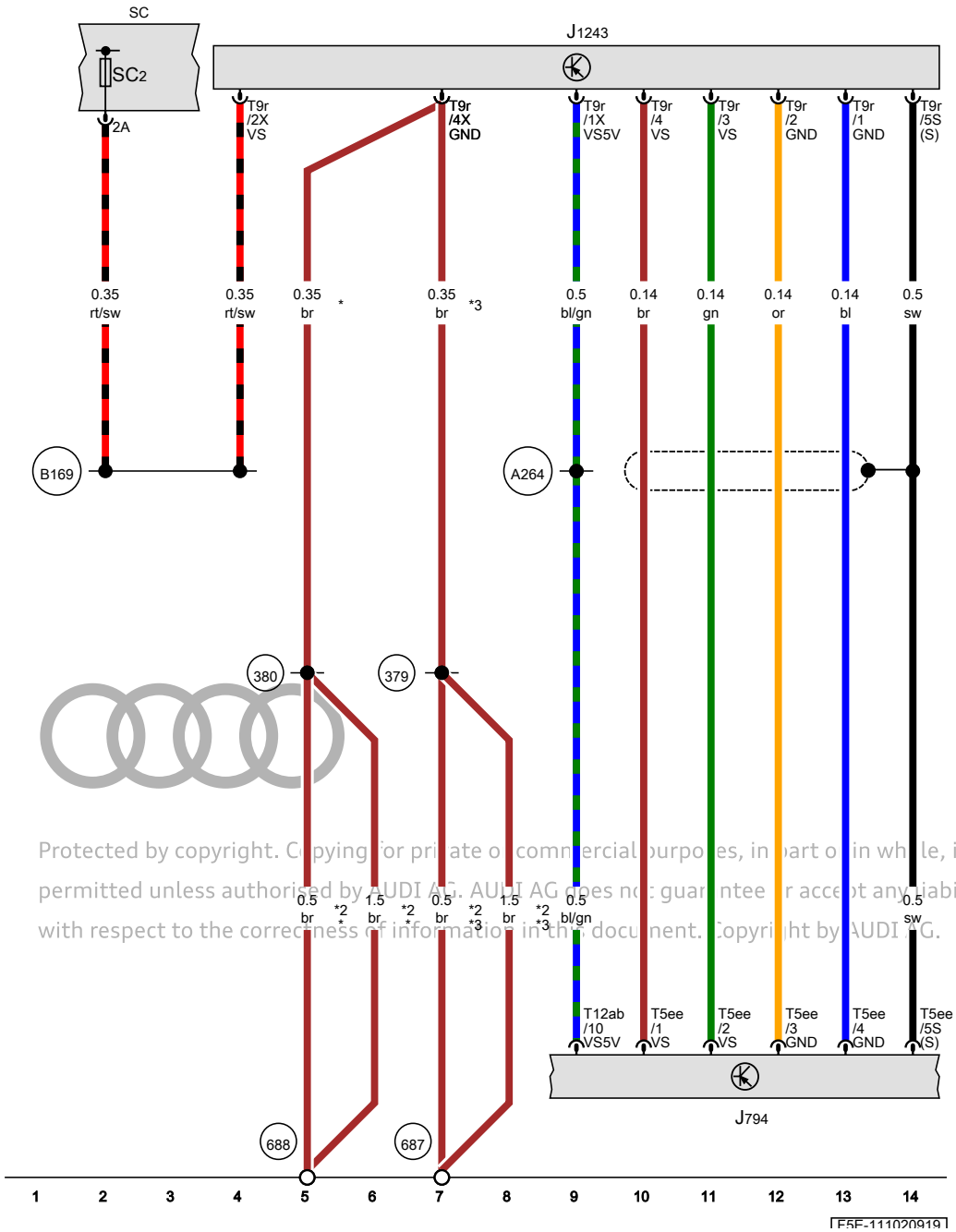

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Control unit 1 for information electronics, Control unit with Android operating system, Fuse holder C

J794	Control unit 1 for information electronics
J1243	Control unit with Android operating system
SC	Fuse holder C
SC2	Fuse 2 on fuse holder C
T5ee	5-pin connector, yellow
T9r	9-pin connector, blue
T12ab	12-pin connector, green
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A264	Connection 1 (5V), in dash panel wiring harness
B169	Positive connection 1 (30), in interior wiring harness
*	For left-hand drive models
*2	According to equipment
*3	For right-hand drive models

Headlights , (8EX)

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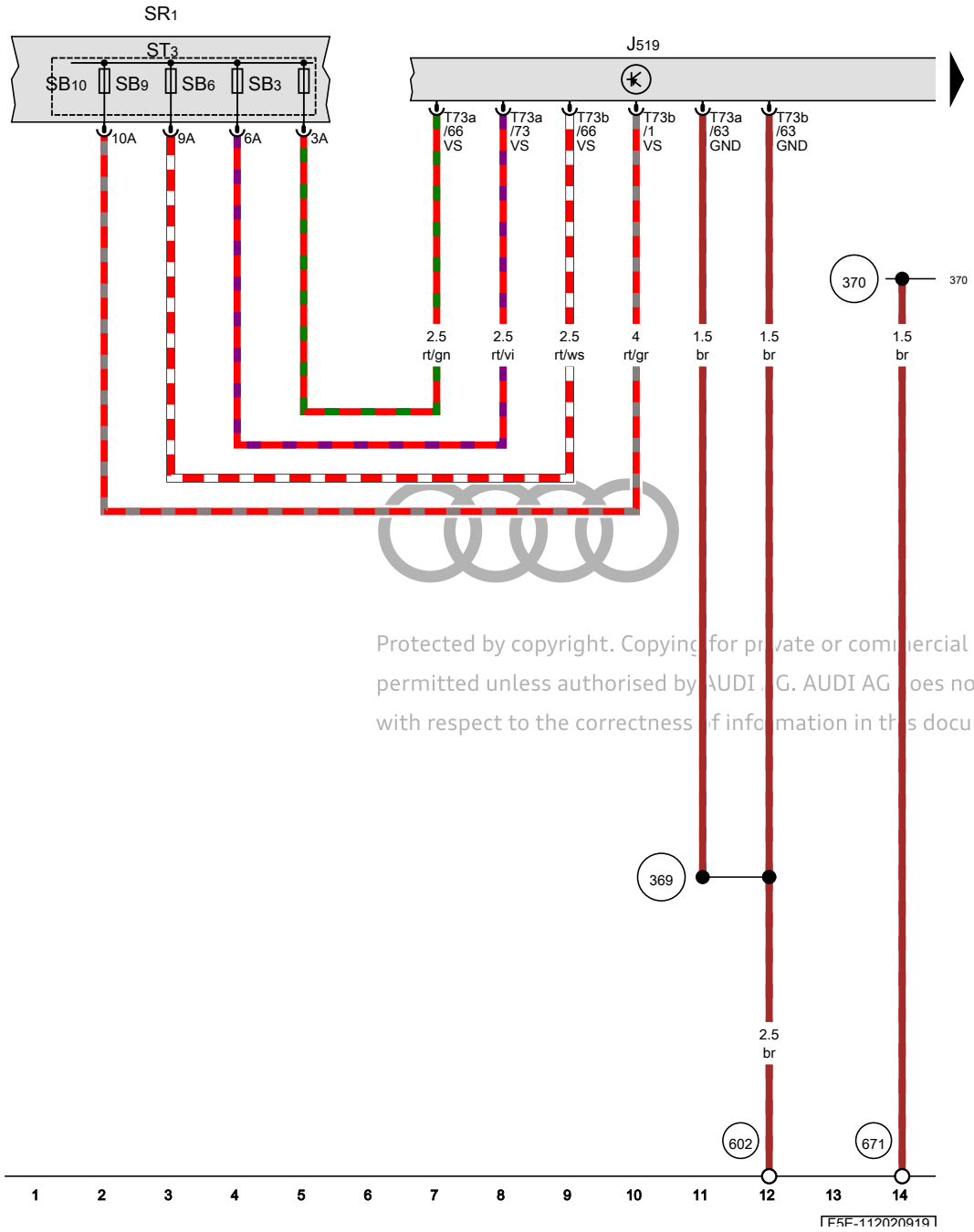

Onboard supply control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
ST3	Fuse carrier 3, red
SB3	Fuse 3 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
T73a	73-pin connector, black
T73b	73-pin connector, black
369	Earth connection 4, in main wiring harness
370	Earth connection 5, in main wiring harness
602	Earth point, in front left footwell
671	Earth point 1, on front of left longitudinal member

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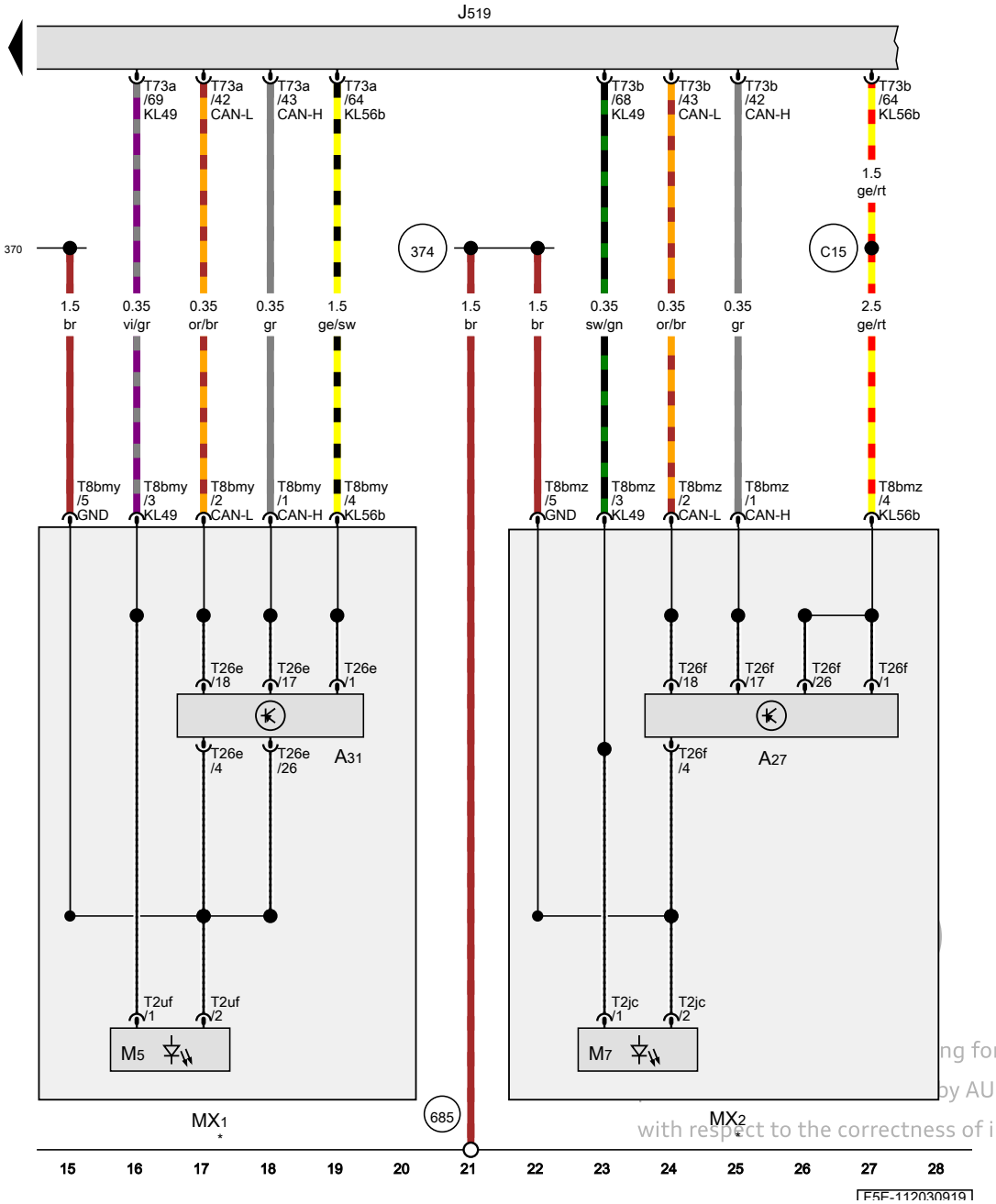

Output module 1 for right LED headlight, Output module 1 for left LED headlight, Onboard supply control unit, Front left headlight, Front left turn signal bulb, Front right turn signal bulb

A27	Output module 1 for right LED headlight
A31	Output module 1 for left LED headlight
J519	Onboard supply control unit
MX1	Front left headlight
MX2	Front right headlight
M5	Front left turn signal bulb
M7	Front right turn signal bulb
T2jc	2-pin connector
T2uf	2-pin connector
T8bmy	8-pin connector, black
T8bmz	8-pin connector, black
T26e	26-pin connector
T26f	26-pin connector
T73a	73-pin connector, black
T73b	73-pin connector, black
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
685	Earth point 1, on front of right longitudinal member
C15	Connection 1, in headlight wiring harness
*	Internal circuitry only partially illustrated

ws	=	white
sw	=	black
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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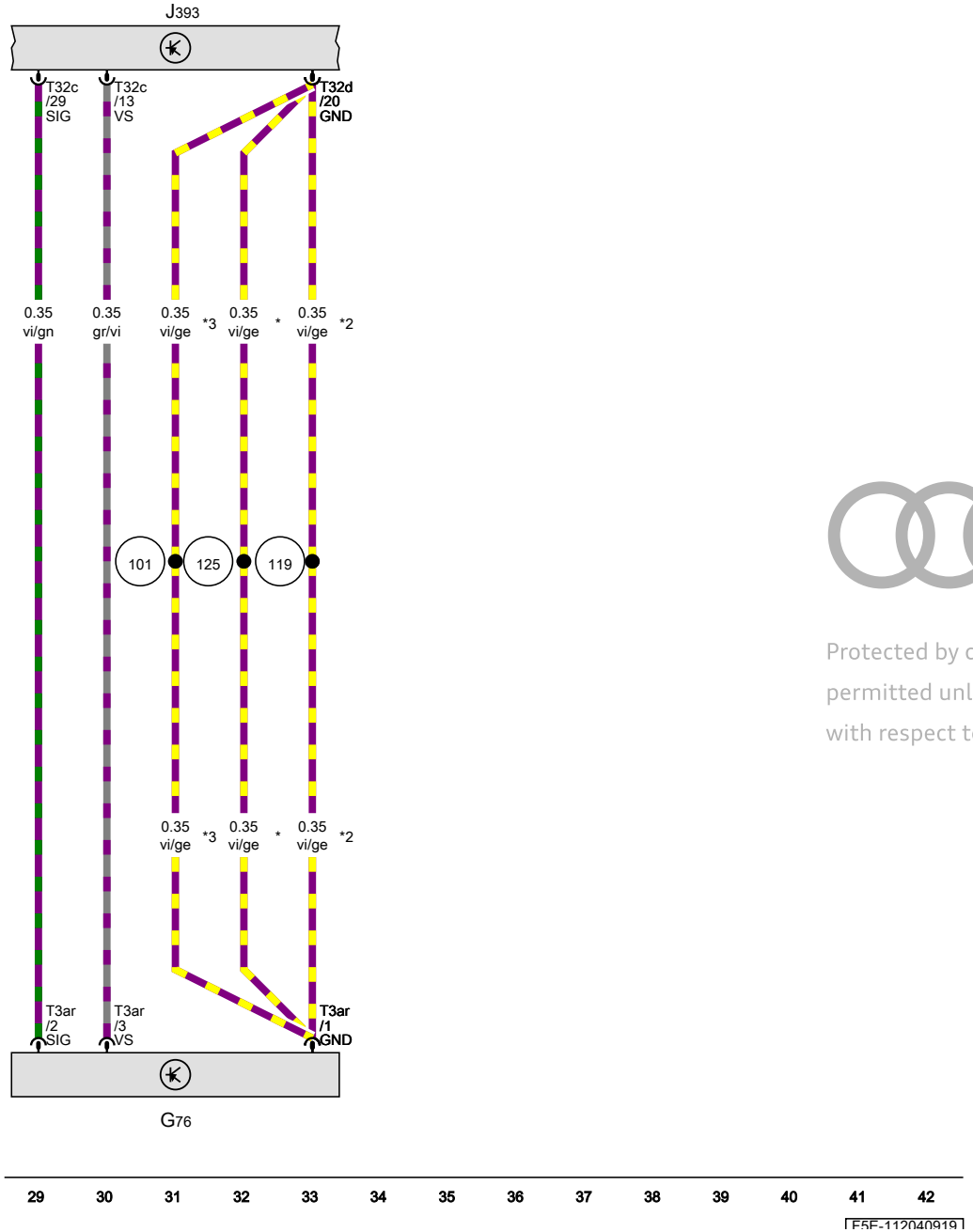

Rear left vehicle level sender, Convenience system central control unit

G76	Rear left vehicle level sender
J393	Convenience system central control unit
T3ar	3-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
101	Earth connection, in headlight range control wiring harness
119	Earth connection 1, in headlight wiring harness
125	Earth connection 3, in headlight wiring harness
*	Coupé
*2	Sportback
*3	For Cabriolet models

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Headlights , (8IY)

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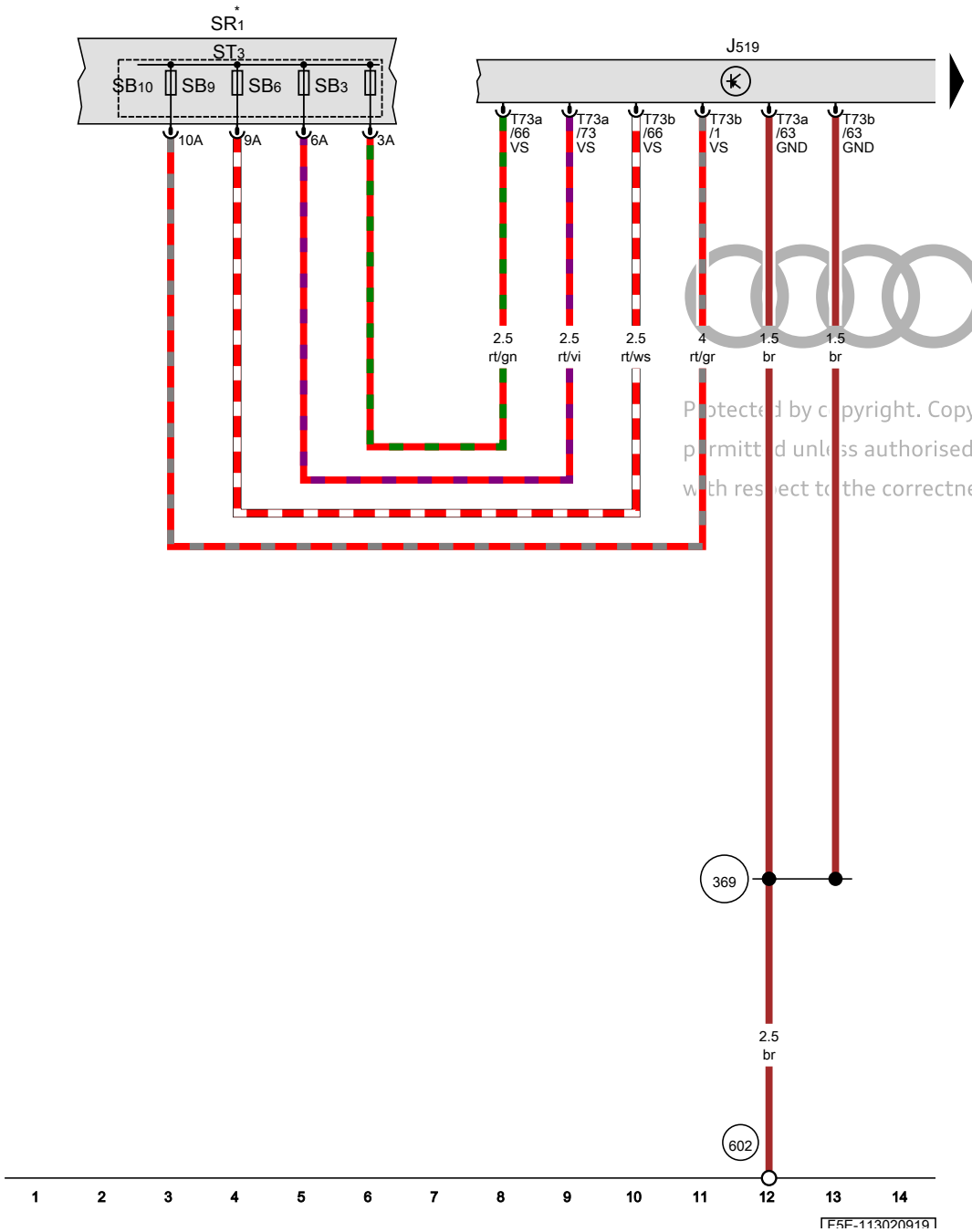

Onboard supply control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
SB3	Fuse 3 on fuse holder B
ST3	Fuse carrier 3, red
SB6	Fuse 6 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
T73a	73-pin connector, black
T73b	73-pin connector, black
369	Earth connection 4, in main wiring harness
602	Earth point, in front left footwell
*	see applicable current flow diagram for fuse assignment

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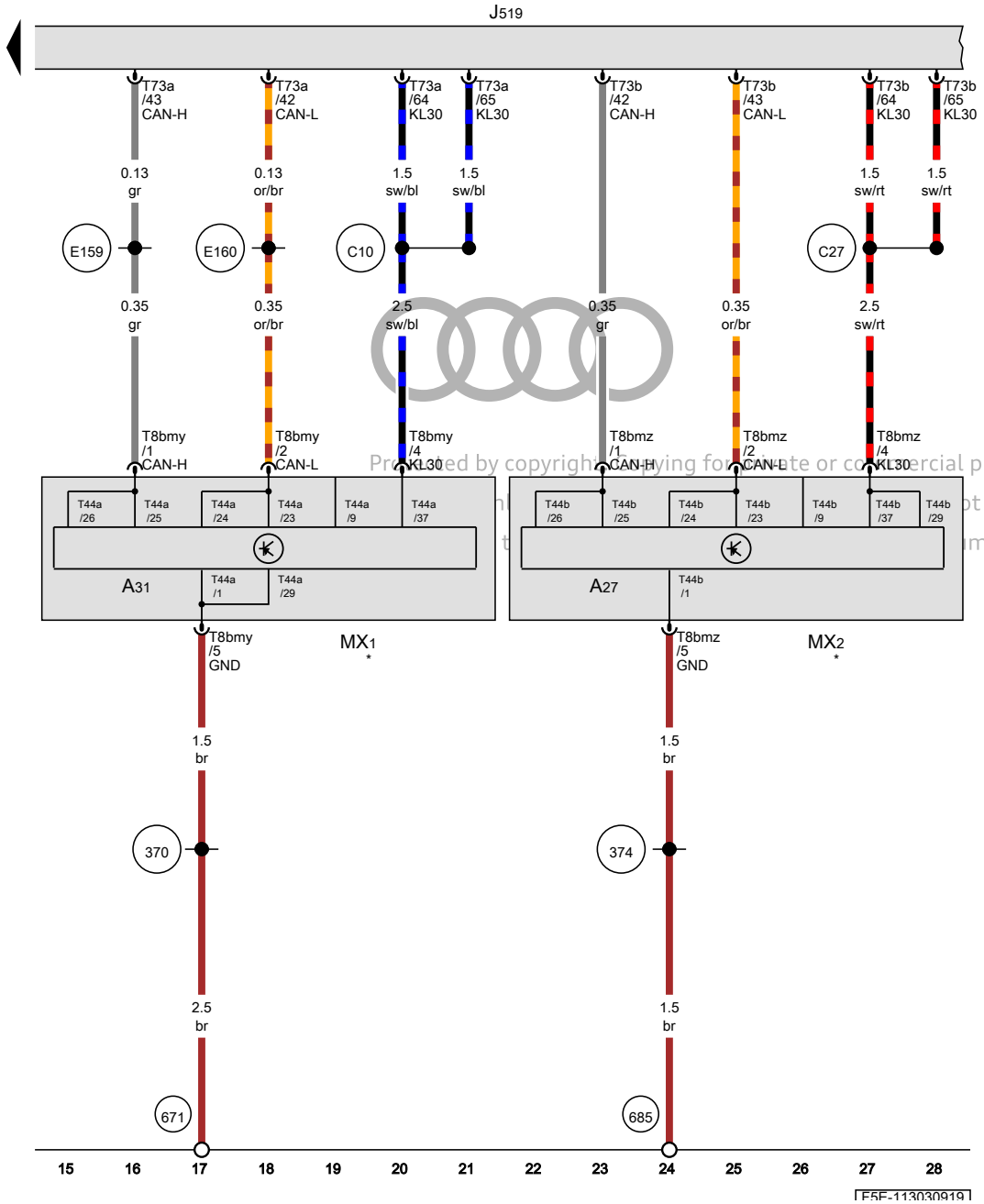

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Onboard supply control unit, Front left headlight, Front right headlight

A27	Output module 1 for right LED headlight
A31	Output module 1 for left LED headlight
J519	Onboard supply control unit
MX1	Front left headlight
MX2	Front right headlight
T8bmy	8-pin connector, black
T8bmz	8-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
671	Earth point 1, on front of left longitudinal member
685	Earth point 1, on front of right longitudinal member
C10	Positive connection 1 (30), in headlight wiring harness
C27	Positive connection 2 (30), in headlight wiring harness
E159	Connection 1 (CAN bus, onboard supply control unit, high)
E160	Connection 1 (CAN bus, onboard supply control unit, low)
*	Internal circuitry only partially illustrated

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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ge	=	yellow
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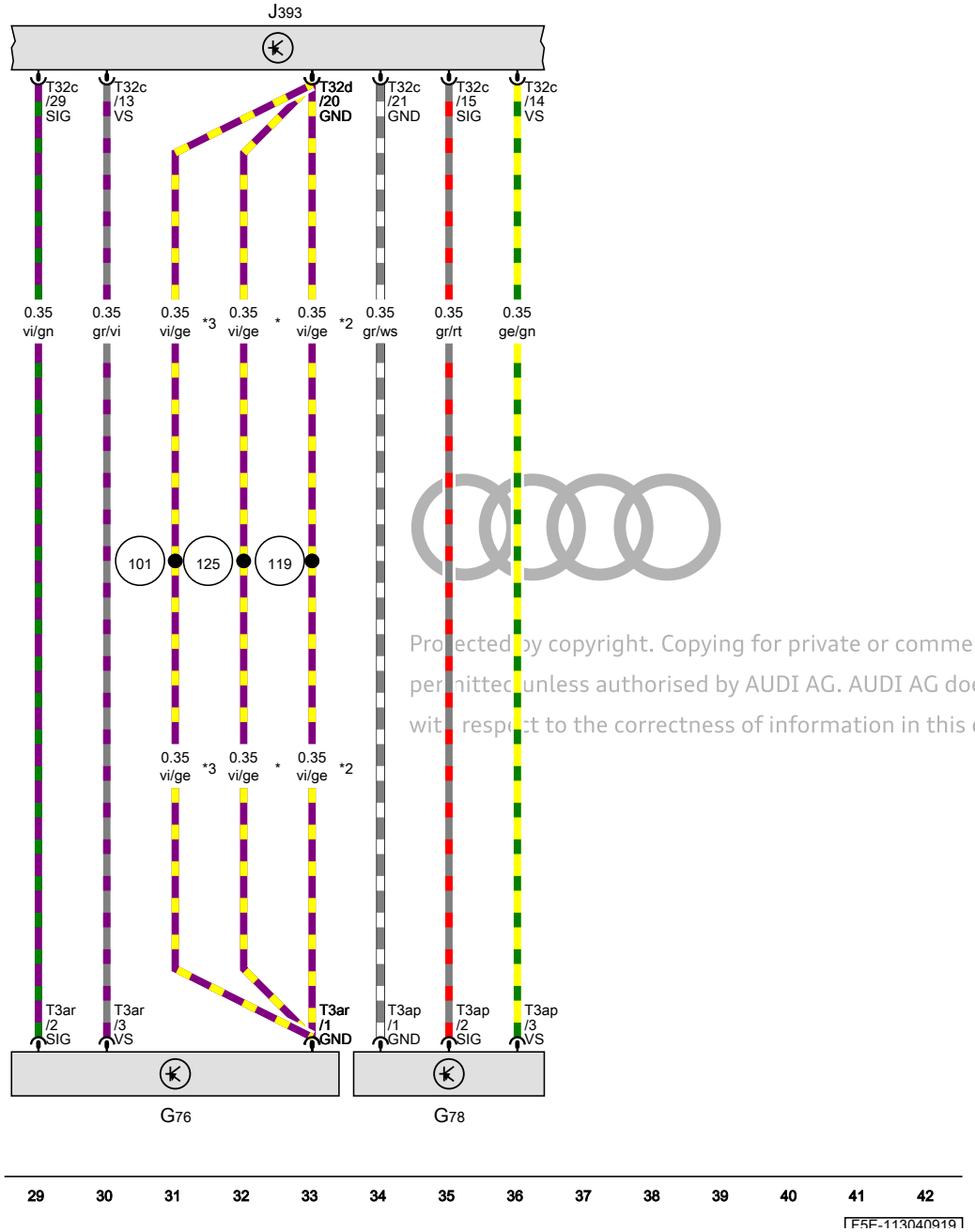

Rear left vehicle level sender, Front left vehicle level sender, Convenience system central control unit

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J393	Convenience system central control unit
T3ap	3-pin connector, black
T3ar	3-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
101	Earth connection, in headlight range control wiring harness
119	Earth connection 1, in headlight wiring harness
125	Earth connection 3, in headlight wiring harness
*	Coupé
*2	Sportback
*3	For Cabriolet models

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Headlights , (8IZ)

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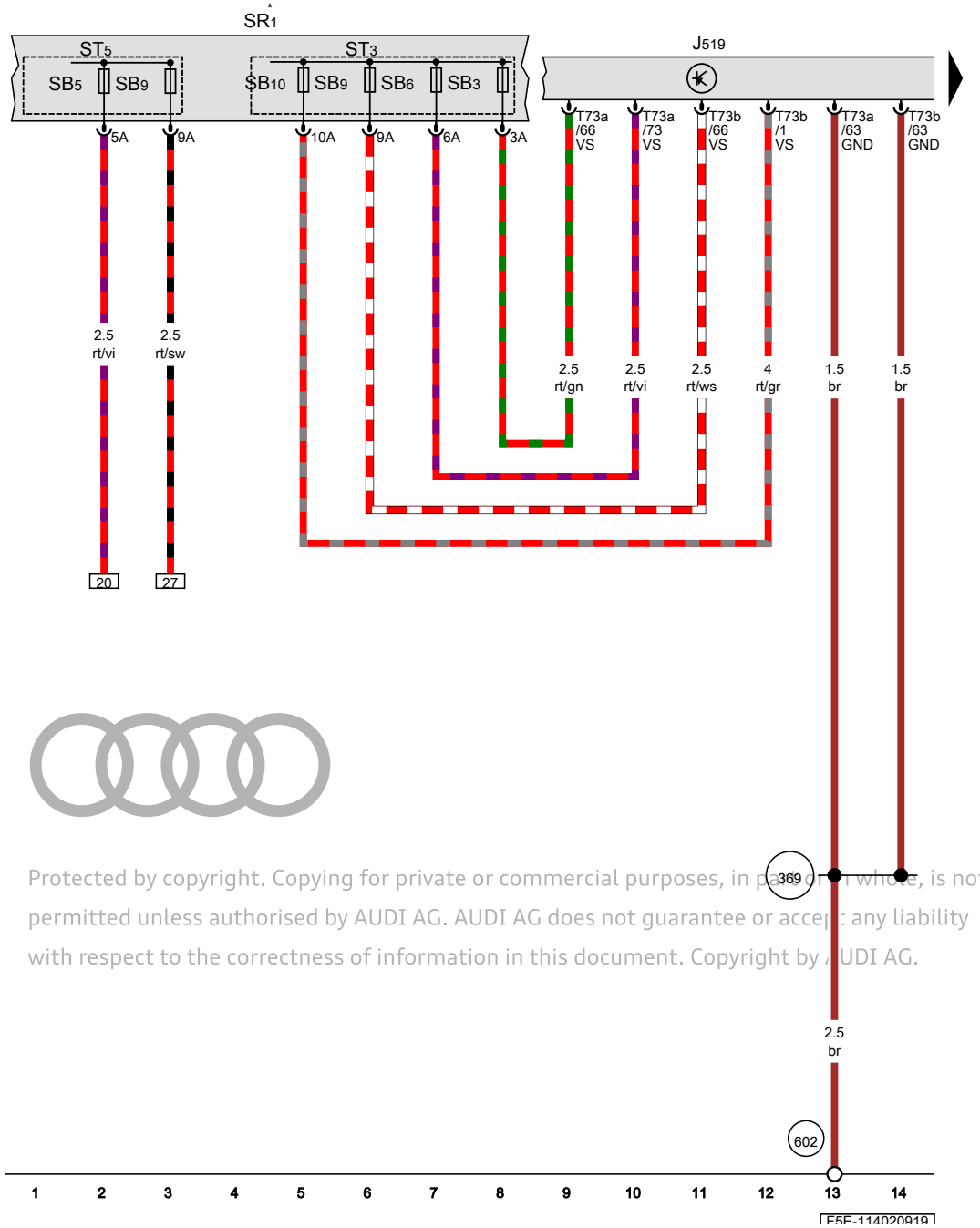

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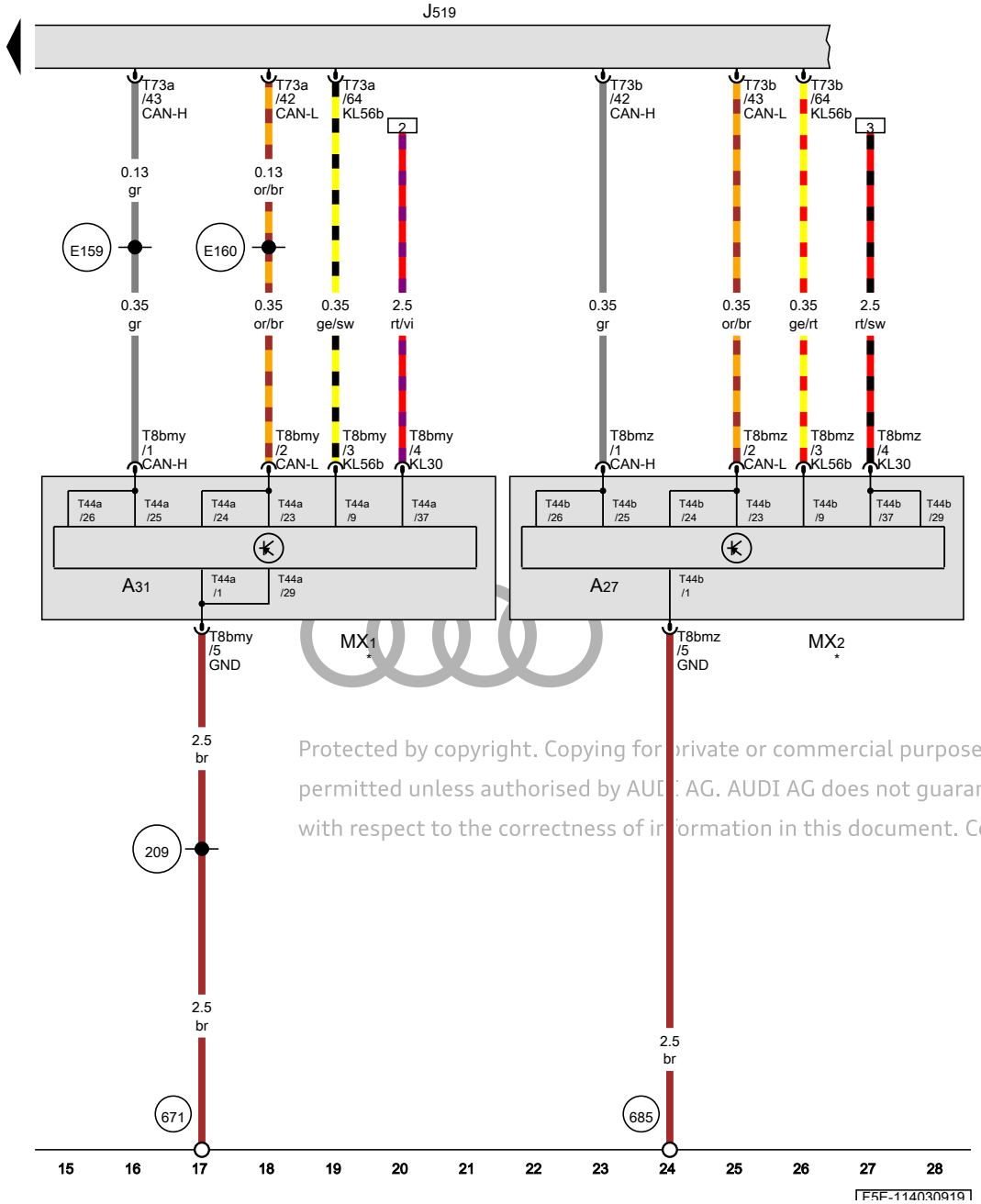
Onboard supply control unit, Relay and fuse carrier 1

J519	Onboard supply control unit
SR1	Relay and fuse carrier 1
SB3	Fuse 3 on fuse holder B
ST3	Fuse carrier 3, red
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5, red
SB6	Fuse 6 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
T73a	73-pin connector, black
T73b	73-pin connector, black
369	Earth connection 4, in main wiring harness
602	Earth point, in front left footwell
*	see applicable current flow diagram for fuse assignment

Onboard supply control unit, Front left headlight, Front right headlight



A27	Output module 1 for right LED headlight
A31	Output module 1 for left LED headlight
J519	Onboard supply control unit
MX1	Front left headlight
MX2	Front right headlight
T8bmy	8-pin connector, black
T8bmz	8-pin connector, black
T73a	73-pin connector, black
T73b	73-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
671	Earth point 1, on front of left longitudinal member
685	Earth point 1, on front of right longitudinal member
E159	Connection 1 (CAN bus, onboard supply control unit, high)
E160	Connection 1 (CAN bus, onboard supply control unit, low)
*	Internal circuitry only partially illustrated

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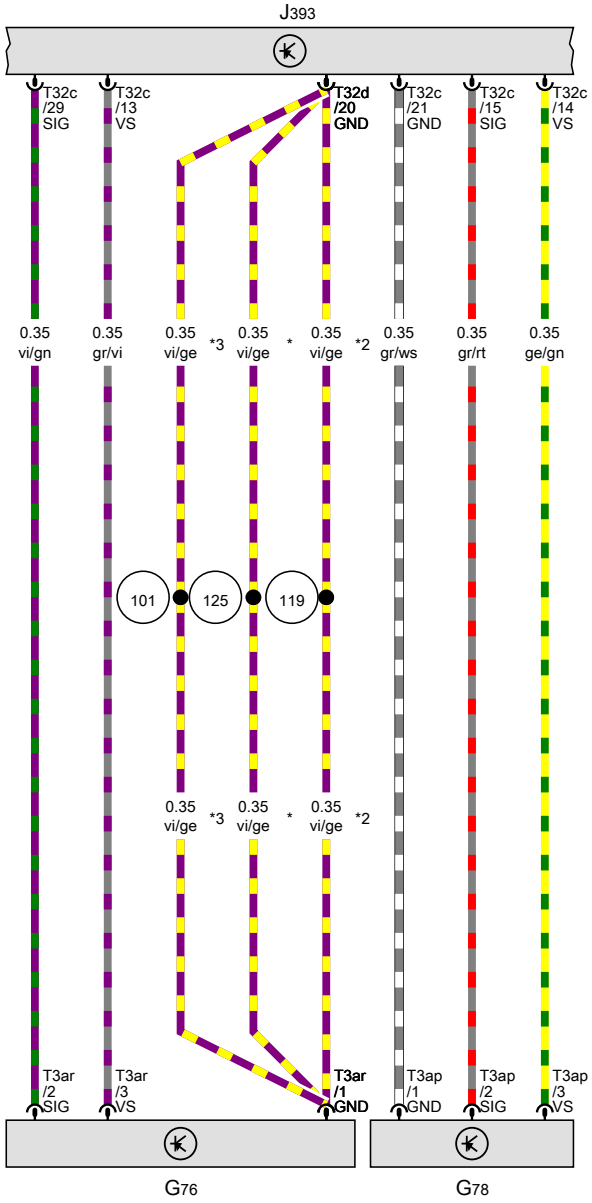

Rear left vehicle level sender, Front left vehicle level sender, Convenience system central control unit

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J393	Convenience system central control unit
T3ap	3-pin connector, black
T3ar	3-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
101	Earth connection, in headlight range control wiring harness
119	Earth connection 1, in headlight wiring harness
125	Earth connection 3, in headlight wiring harness
*	Coupé
*2	Sportback
*3	For Cabriolet models

ws	=	white
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Tail light clusters , (8VG),(AV0)

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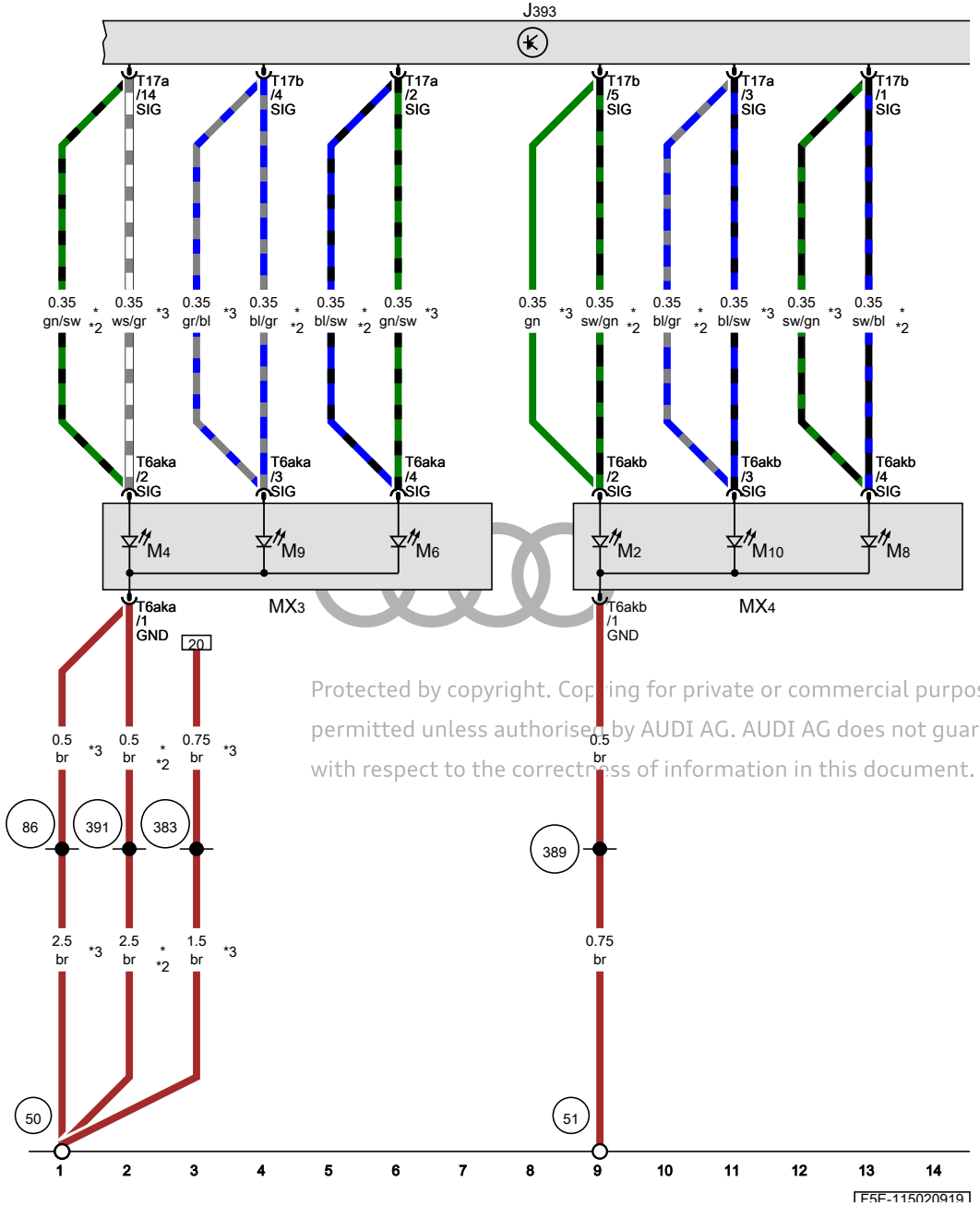

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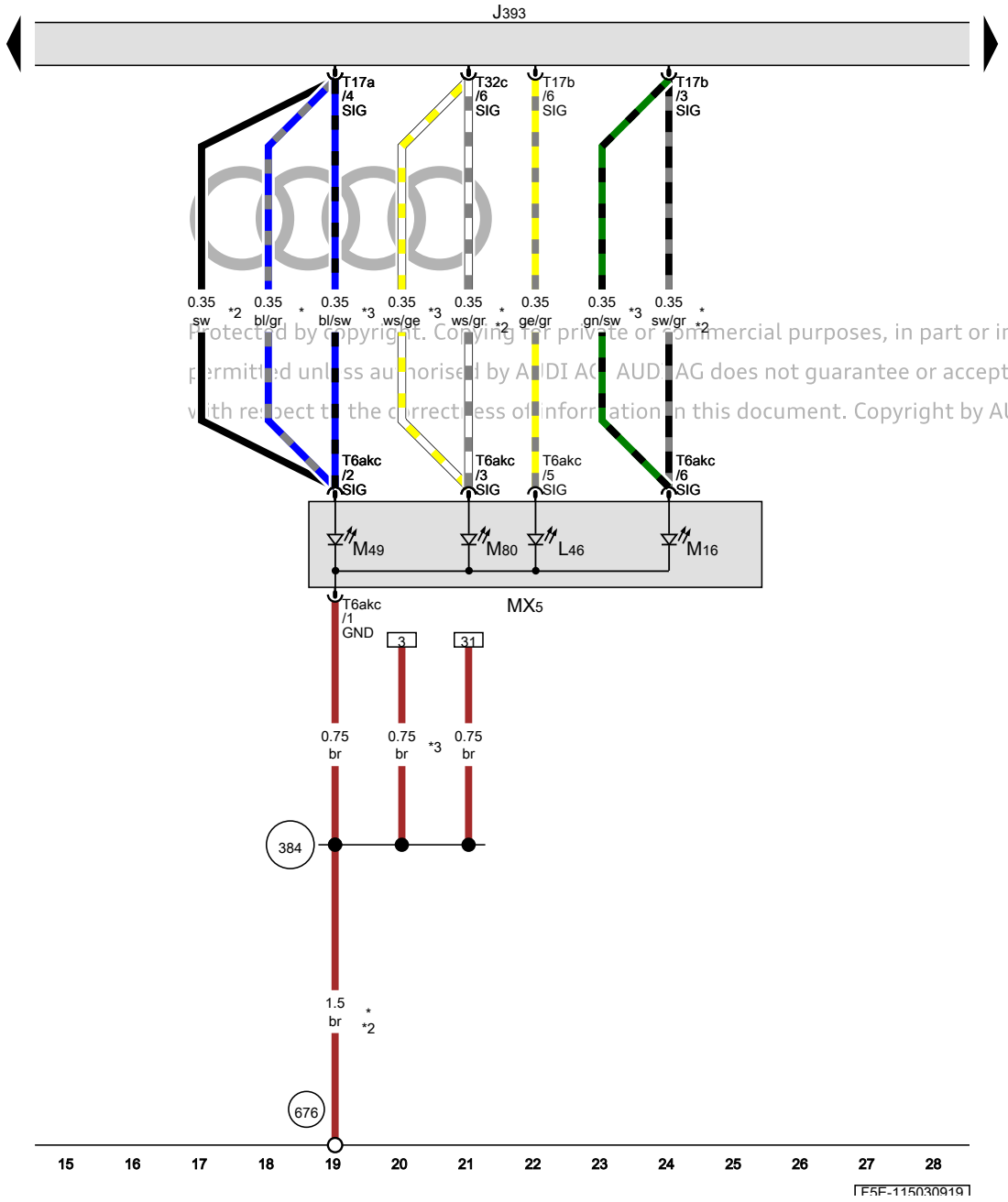
Convenience system central control unit, Left tail light cluster, Right tail light cluster

J393	Convenience system central control unit
M2	Right tail light bulb
MX3	Left tail light cluster
MX4	Right tail light cluster
M4	Left tail light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M9	Left brake light bulb
M10	Right brake light bulb
T6aka	6-pin connector, brown
T6akb	6-pin connector, brown
T17a	17-pin connector, brown
T17b	17-pin connector, black
50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
86	Earth connection 1, in rear wiring harness
383	Earth connection 18, in main wiring harness
389	Earth connection 24, in main wiring harness
391	Earth connection 26, in main wiring harness
*	Coupé
*2	Sportback
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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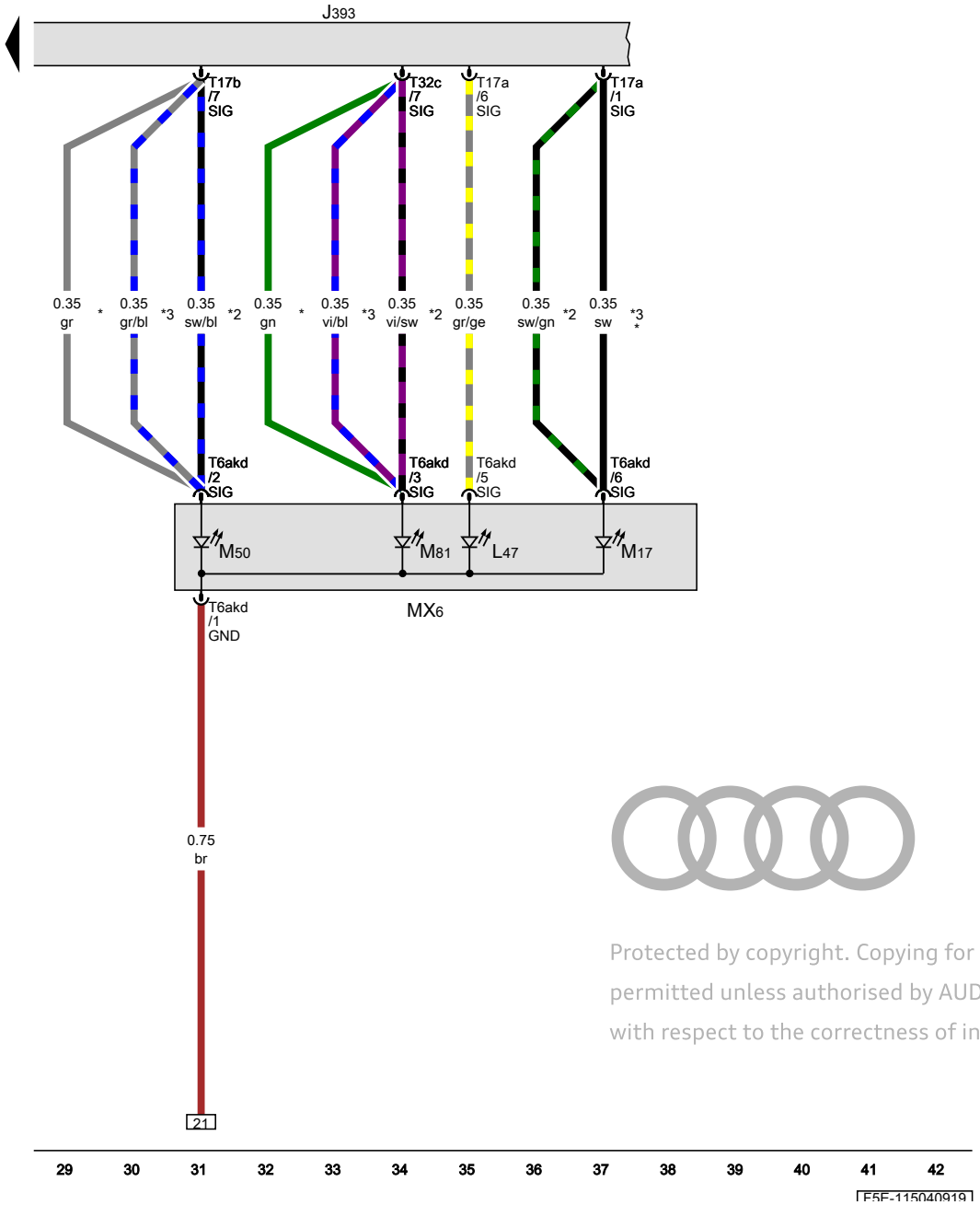
Convenience system central control unit, Left tail light cluster 2

J393	Convenience system central control unit
L46	Rear left fog light bulb
MX5	Left tail light cluster 2
M16	Left reversing light bulb
M49	Left tail light bulb 2
M80	Bulb 2 for rear left turn signal
T6akc	6-pin connector, brown
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
384	Earth connection 19, in main wiring harness
676	Earth point 2, on left in luggage compartment
*	Coupé
*2	Sportback
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Convenience system central control unit, Right tail light cluster 2

J393	Convenience system central control unit
L47	Rear right fog light bulb
MX6	Right tail light cluster 2
M17	Right reversing light bulb
M50	Right tail light bulb 2
M81	Bulb 2 for rear right turn signal
T6akd	6-pin connector, brown
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
*	Sportback
*2	For Cabriolet models
*3	Coupé

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rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Tail light clusters , (8VG),(AV1),(AV4)

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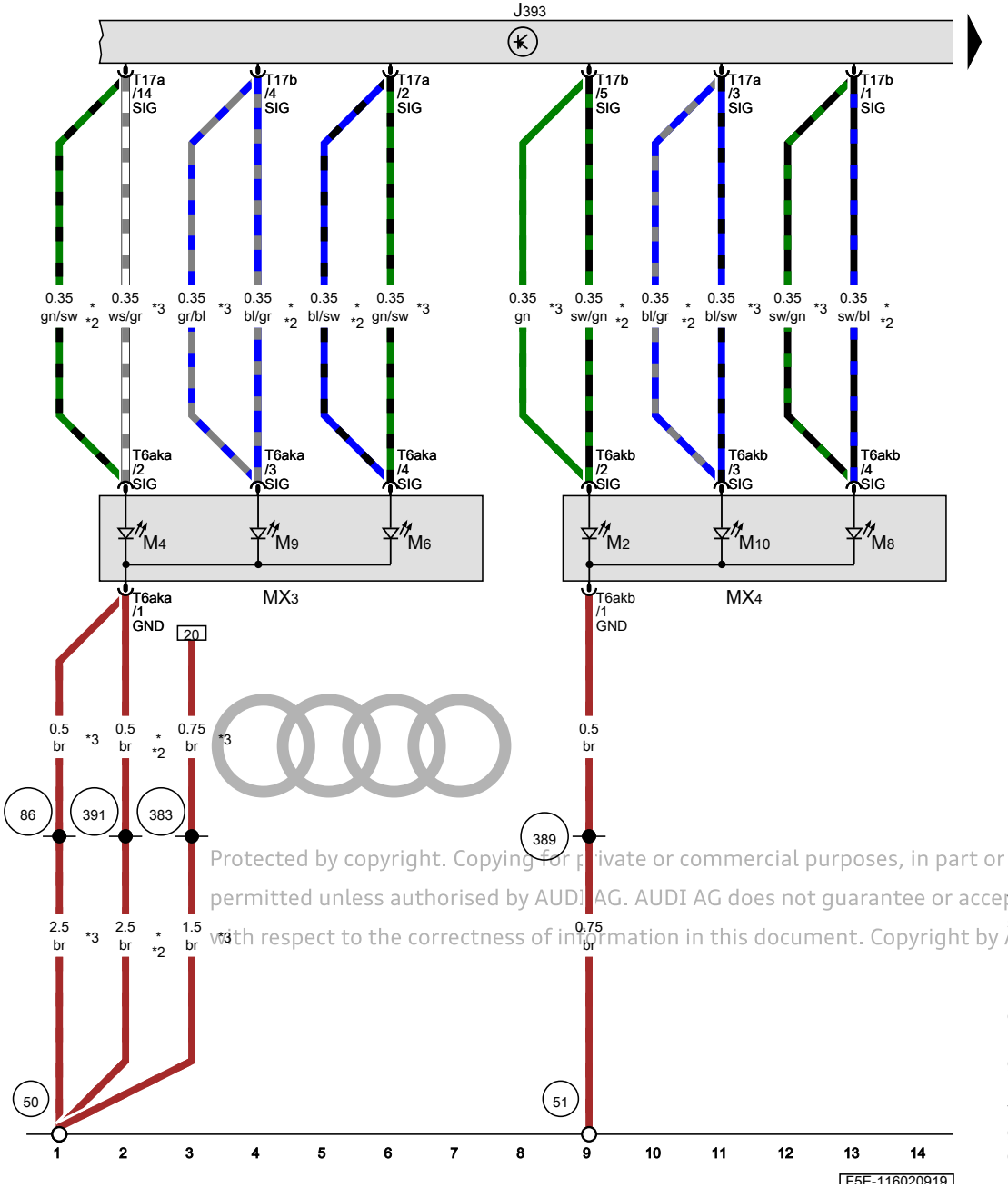

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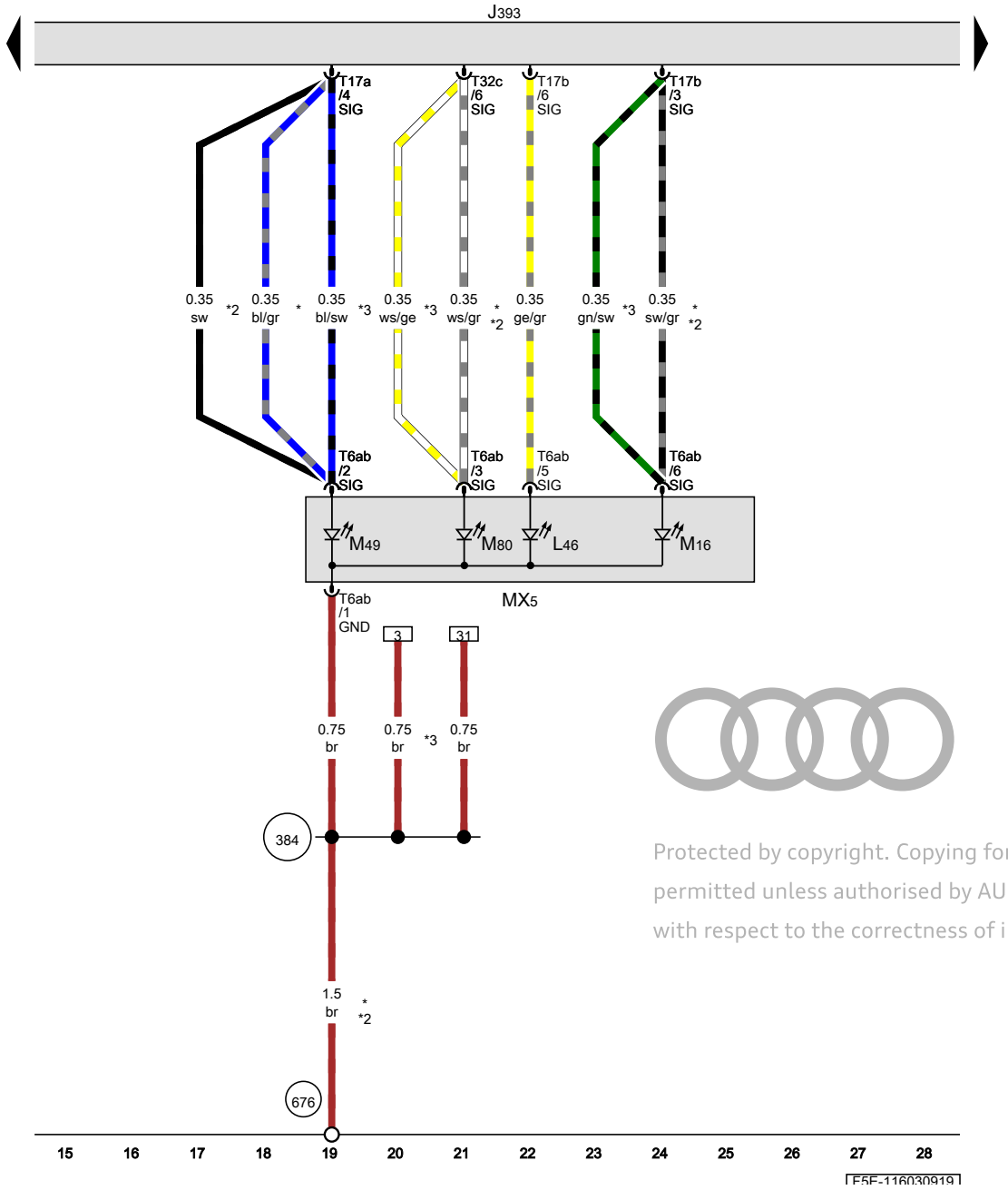
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, Left tail light cluster, Right tail light cluster

J393	Convenience system central control unit
M2	Right tail light bulb
MX3	Left tail light cluster
M4	Left tail light bulb
MX4	Right tail light cluster
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M9	Left brake light bulb
M10	Right brake light bulb
T6aka	6-pin connector, brown
T6akb	6-pin connector, brown
T17a	17-pin connector, brown
T17b	17-pin connector, black
50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
86	Earth connection 1, in rear wiring harness
383	Earth connection 18, in main wiring harness
389	Earth connection 24, in main wiring harness
391	Earth connection 26, in main wiring harness
*	Coupé
*2	Sportback
*3	For Cabriolet models



Convenience system central control unit, Left tail light cluster 2

J393	Convenience system central control unit
L46	Rear left fog light bulb
MX5	Left tail light cluster 2
M16	Left reversing light bulb
M49	Left tail light bulb 2
M80	Bulb 2 for rear left turn signal
T6ab	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
384	Earth connection 19, in main wiring harness
676	Earth point 2, on left in luggage compartment
*	Coupé
*2	Sportback
*3	For Cabriolet models

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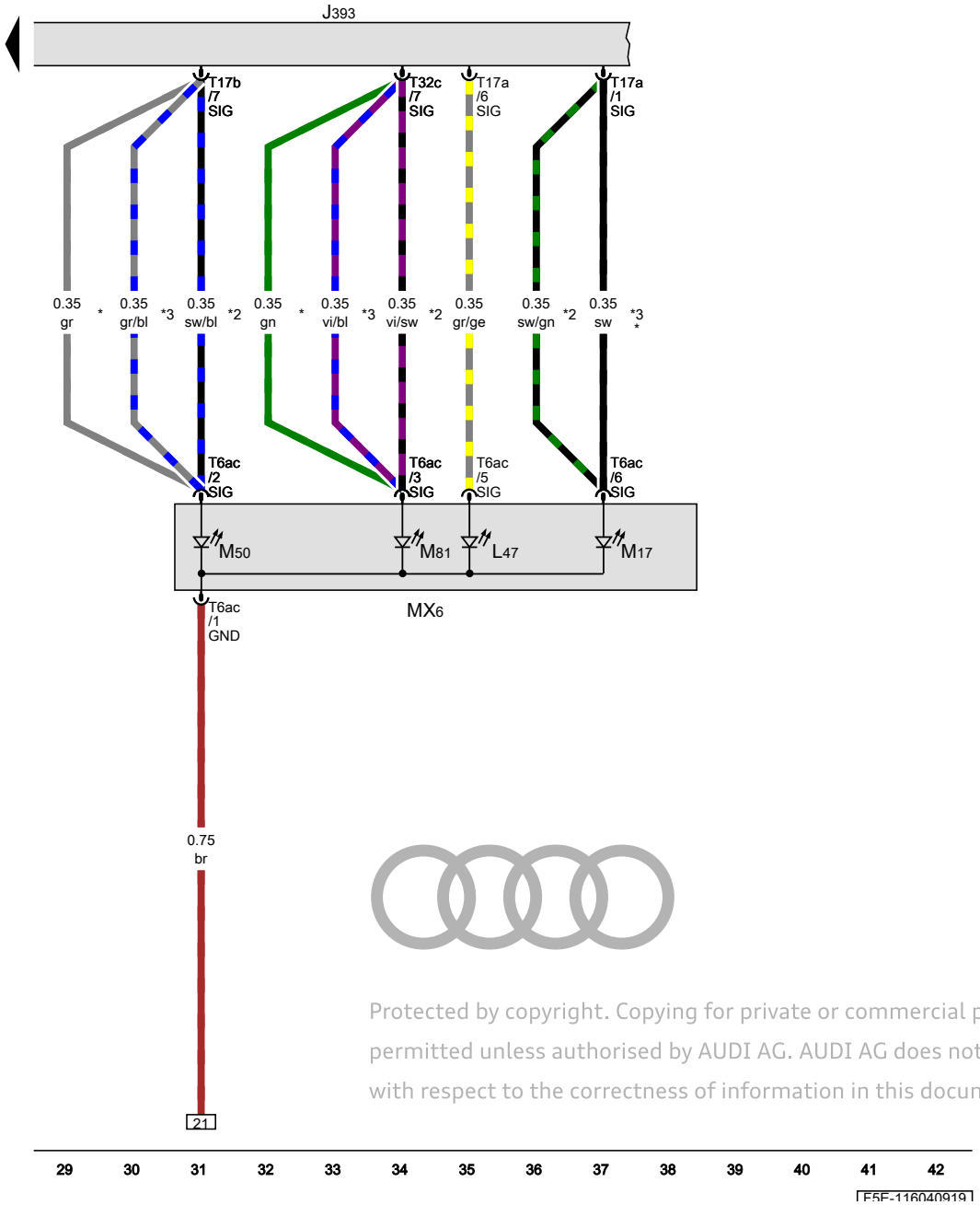
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Convenience system central control unit, Right tail light cluster 2

J393	Convenience system central control unit
L47	Rear right fog light bulb
MX6	Right tail light cluster 2
M17	Right reversing light bulb
M50	Right tail light bulb 2
M81	Bulb 2 for rear right turn signal
T6ac	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
*	Sportback
*2	For Cabriolet models
*3	Coupé



ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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Tail light clusters , (8VM),(8VP),(AV0),(AV1),(AV4)

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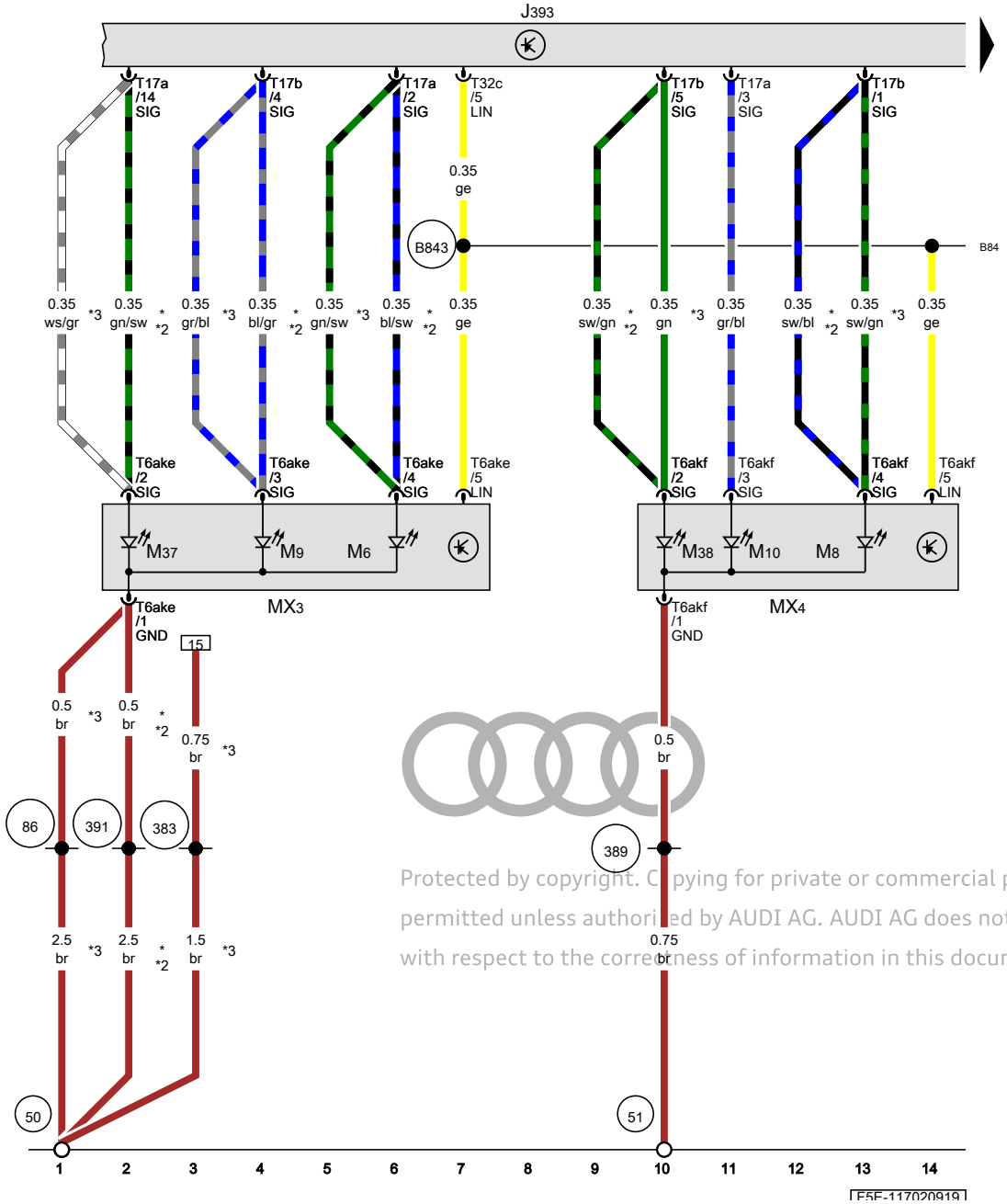

Convenience system central control unit, Left tail light cluster, Right tail light cluster

J393	Convenience system central control unit
MX3	Left tail light cluster
MX4	Right tail light cluster
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M9	Left brake light bulb
M10	Right brake light bulb
M37	Rear left side marker bulb
M38	Rear right side marker bulb
T6ake	6-pin connector, black
T6akf	6-pin connector, black
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
86	Earth connection 1, in rear wiring harness
383	Earth connection 18, in main wiring harness
389	Earth connection 24, in main wiring harness
391	Earth connection 26, in main wiring harness
B843	Connection 9 (LIN bus) in main wiring harness
*	Coupé
*2	Sportback
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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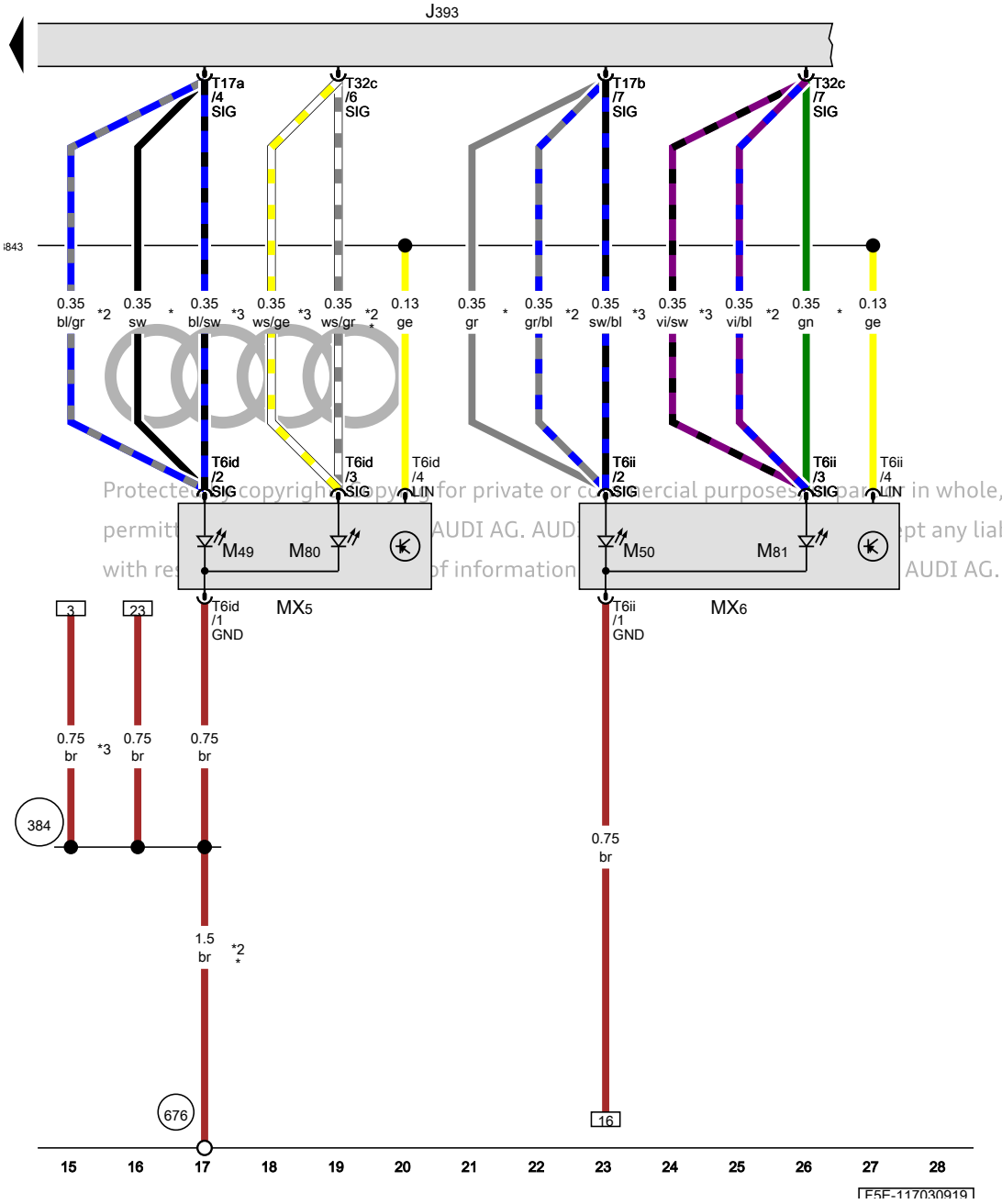

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Convenience system central control unit, Left tail light cluster 2, Right tail light cluster 2

J393	Convenience system central control unit
MX5	Left tail light cluster 2
MX6	Right tail light cluster 2
M49	Left tail light bulb 2
M50	Right tail light bulb 2
M80	Bulb 2 for rear left turn signal
M81	Bulb 2 for rear right turn signal
T6id	6-pin connector, red
T6ii	6-pin connector, red
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
384	Earth connection 19, in main wiring harness
676	Earth point 2, on left in luggage compartment
B843	Connection 9 (LIN bus) in main wiring harness
*	Sportback
*2	Coupé
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Tail light clusters , (8VM),(8VP),(AV2)

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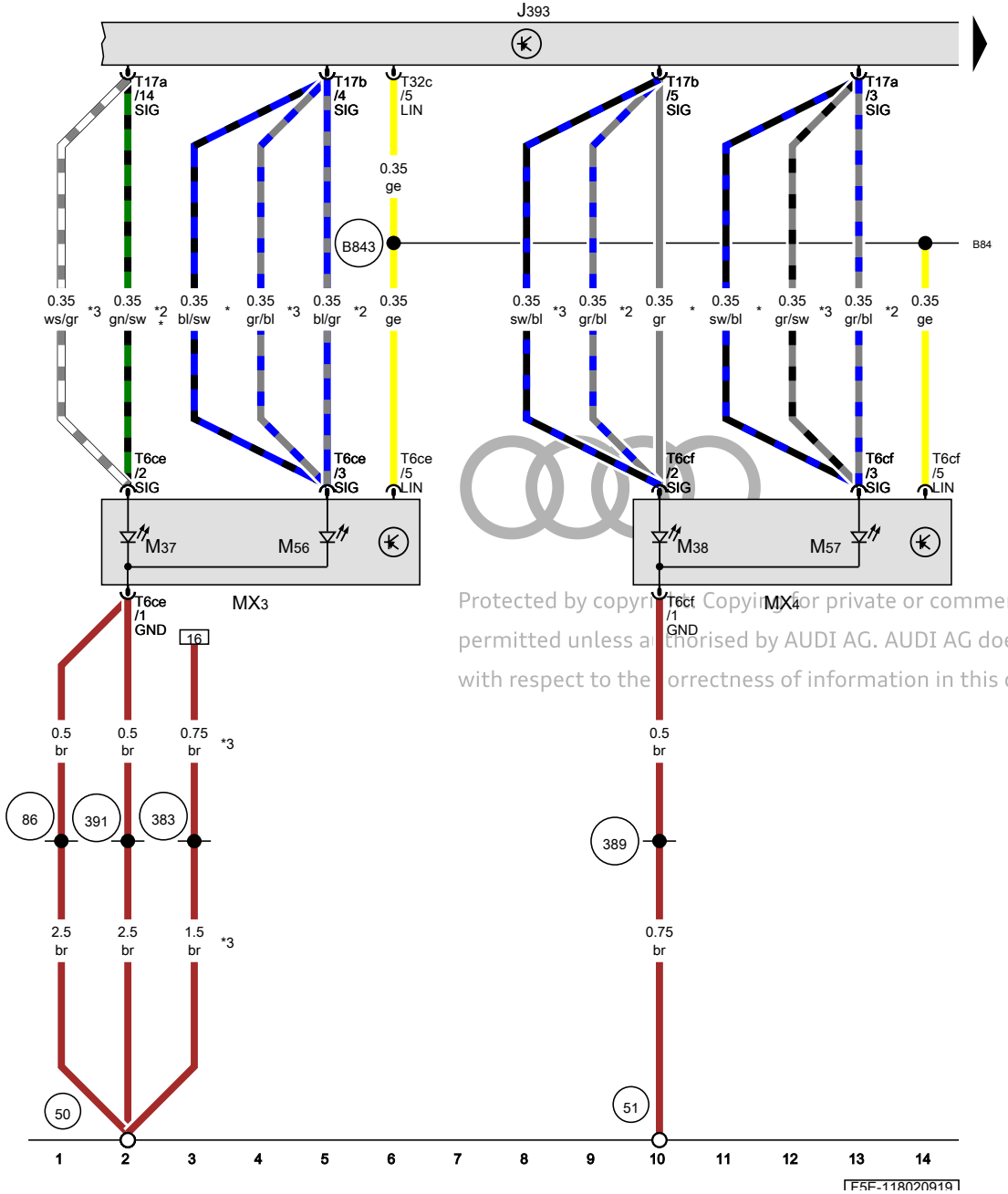

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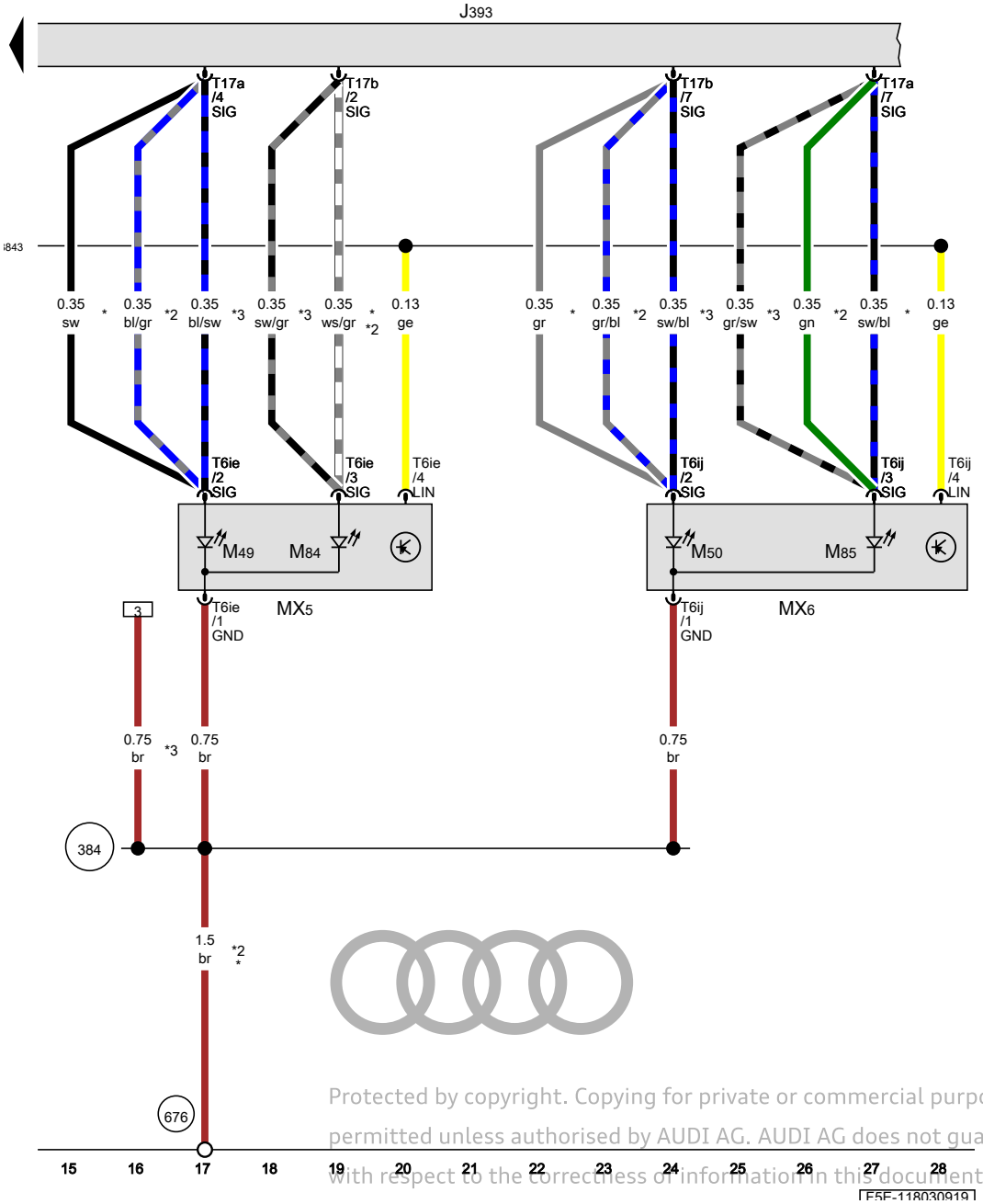
Convenience system central control unit, Left tail light cluster, Right tail light cluster

J393	Convenience system central control unit
MX3	Left tail light cluster
MX4	Right tail light cluster
M37	Rear left side marker bulb
M38	Rear right side marker bulb
M56	Left brake and turn signal bulb
M57	Right brake and turn signal bulb
T6ce	6-pin connector, green
T6cf	6-pin connector, green
T17a	17-pin connector, brown
T17b	17-pin connector, black
T32c	32-pin connector, colourless
50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
86	Earth connection 1, in rear wiring harness
383	Earth connection 18, in main wiring harness
389	Earth connection 24, in main wiring harness
391	Earth connection 26, in main wiring harness
B843	Connection 9 (LIN bus) in main wiring harness
*	Sportback
*2	Coupé
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Convenience system central control unit, Left tail light cluster 2, Right tail light cluster 2

J393	Convenience system central control unit
MX5	Left tail light cluster 2
MX6	Right tail light cluster 2
M49	Left tail light bulb 2
M50	Right tail light bulb 2
M84	Left brake and turn signal bulb 2
M85	Right brake and turn signal bulb 2
T6ie	6-pin connector, blue
T6ij	6-pin connector, blue
T17a	17-pin connector, brown
T17b	17-pin connector, black
384	Earth connection 19, in main wiring harness
676	Earth point 2, on left in luggage compartment
B843	Connection 9 (LIN bus) in main wiring harness
*	Sportback
*2	Coupé
*3	For Cabriolet models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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Infotainment MOST bus

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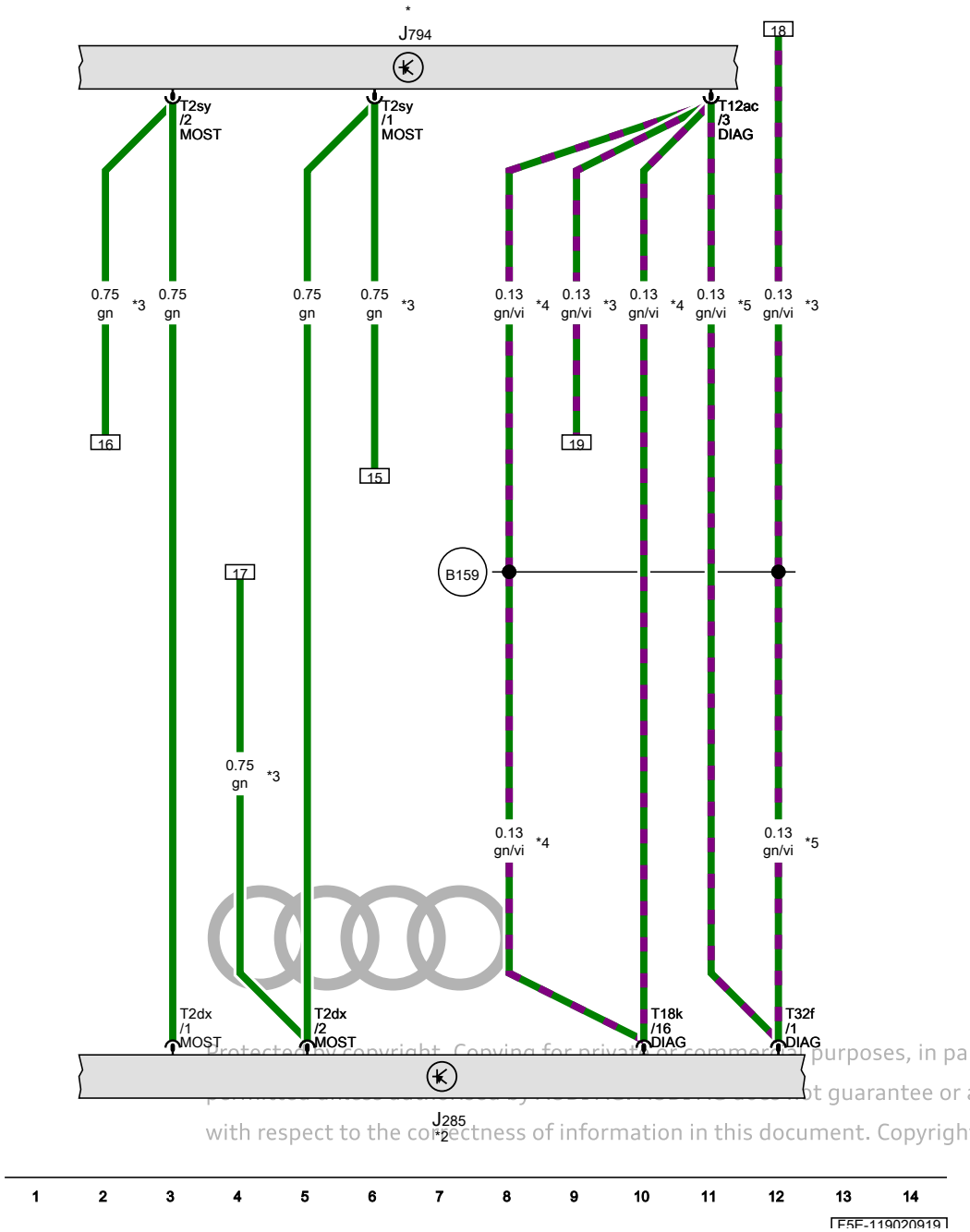

Control unit in dash panel insert, Control unit 1 for information electronics

J285	Control unit in dash panel insert
J794	Control unit 1 for information electronics
T2dx	2-pin connector, black
T2sy	2-pin connector, black
T12ac	12-pin connector, grey
T18k	18-pin connector, black
T32f	32-pin connector, grey
B159	Connection (diagnosis), in interior wiring harness
*	see applicable current flow diagram for MMI (information electronics)
*2	see applicable current flow diagram for dash panel insert
*3	For models with TV tuner
*4	Version 2
*5	Version 1

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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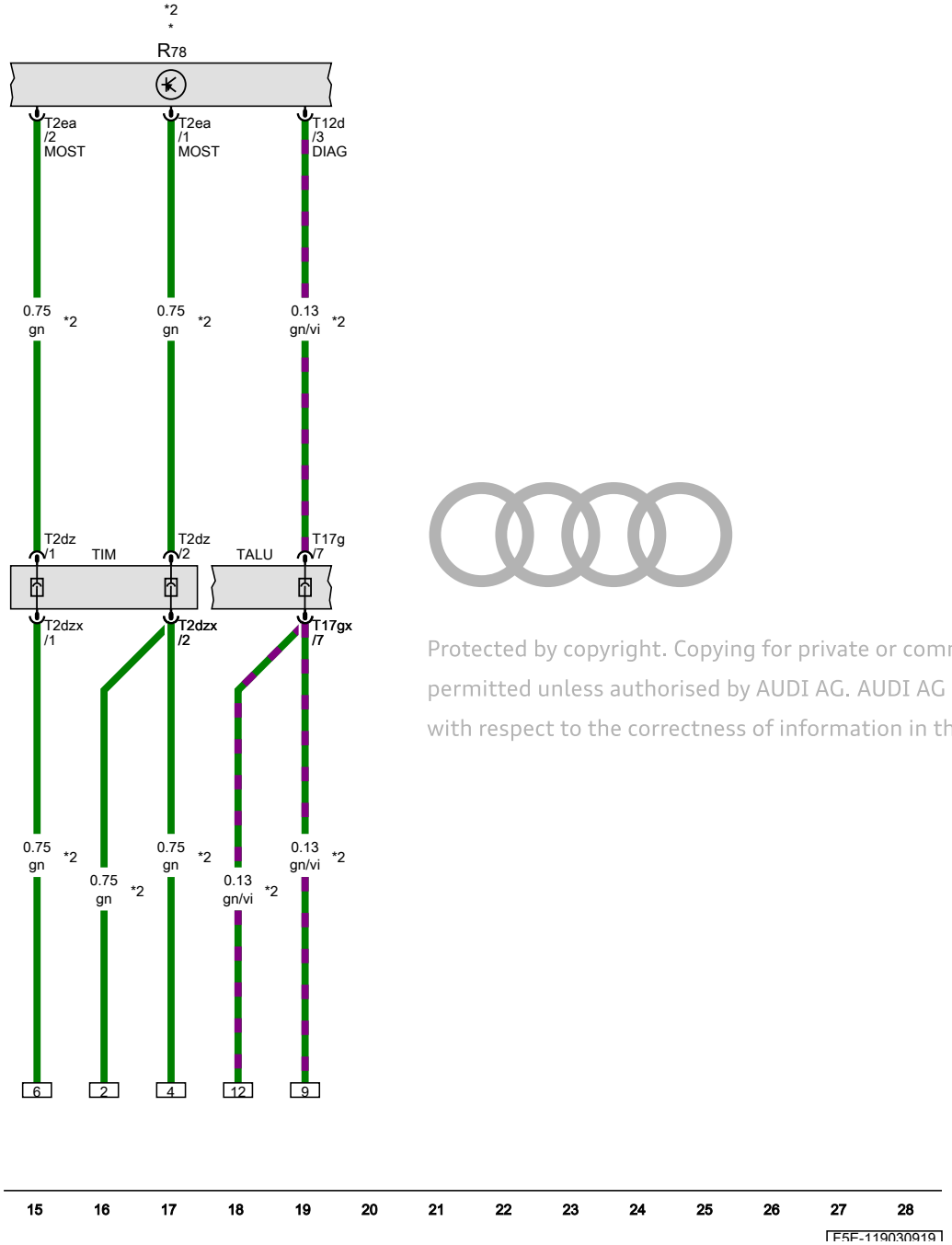

TV tuner

R78	TV tuner
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T2ea	2-pin connector, black
T12d	12-pin connector, black
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
*	see applicable current flow diagram for TV tuner
*2	For models with TV tuner

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ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Reversing camera (Rear Assist) , (KA2)

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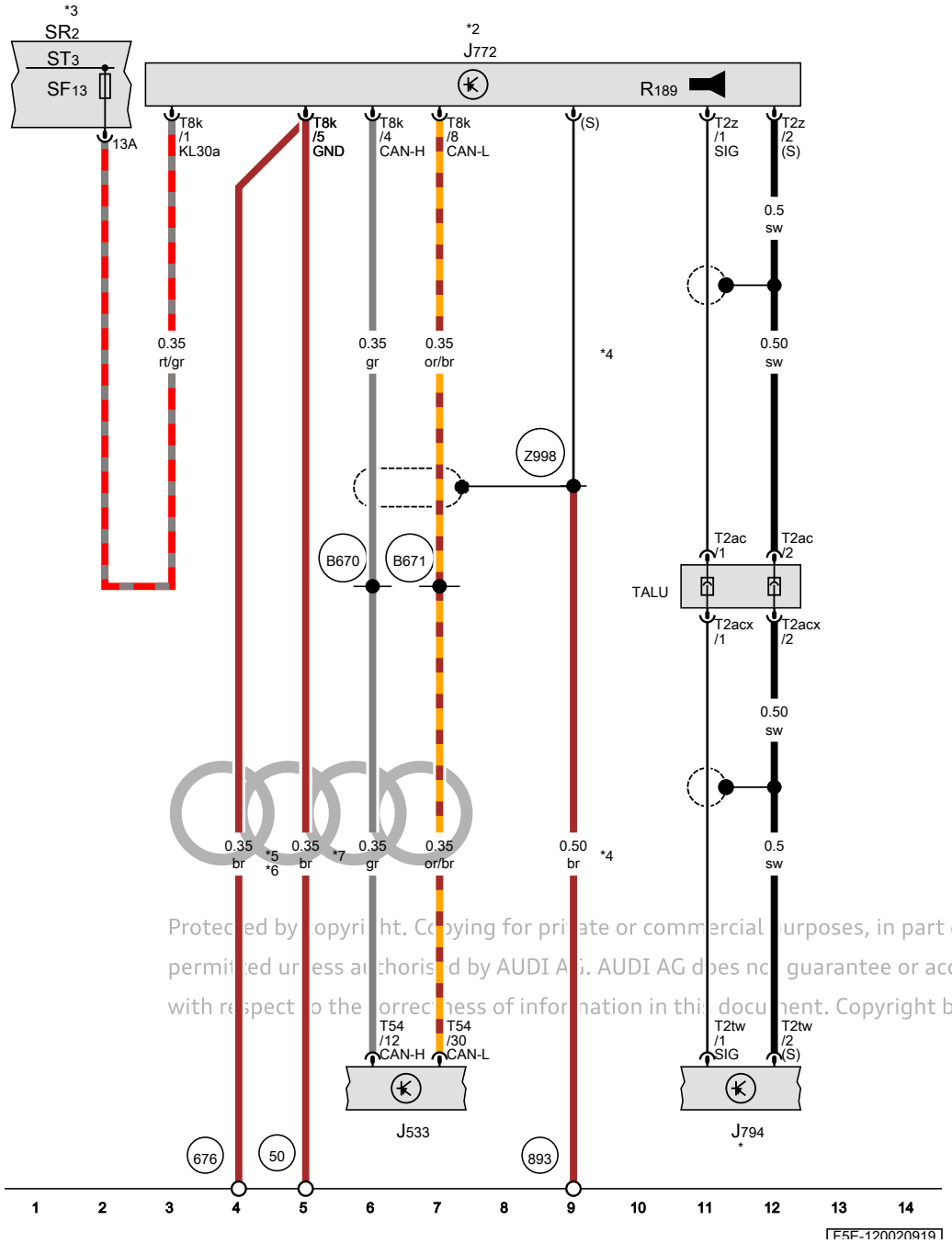

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rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Reversing camera system control unit

J533	Data bus diagnostic interface
J772	Reversing camera system control unit
J794	Control unit 1 for information electronics
R189	Reversing camera
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3
SF13	Fuse 13 in fuse holder F
T2ac	2-pin connector, blue
T2acx	2-pin connector, blue
T2tw	2-pin connector, green
T2z	2-pin connector, grey
T8k	8-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
50	Earth point, on left in luggage compartment
676	Earth point 2, on left in luggage compartment
893	Earth point 2, on left B-pillar
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
Z998	Wiring screen
*	see applicable current flow diagram for MMI (information electronics)
*2	Pre-wired component
*3	see applicable current flow diagram for fuse assignment
*4	According to equipment
*5	Sportback
*6	Coupé
*7	For Cabriolet models

Dash panel insert , (9S8),(9S9)

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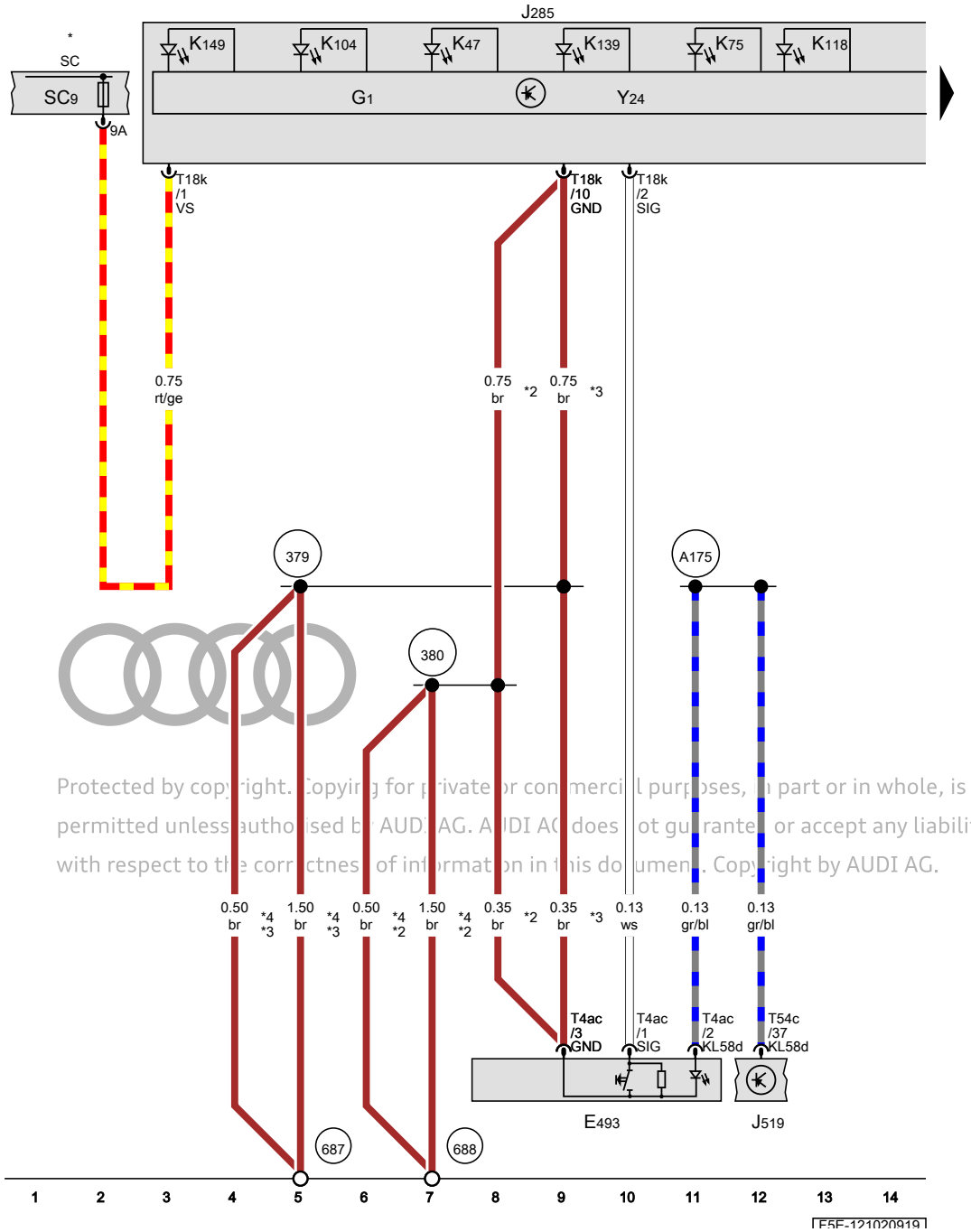

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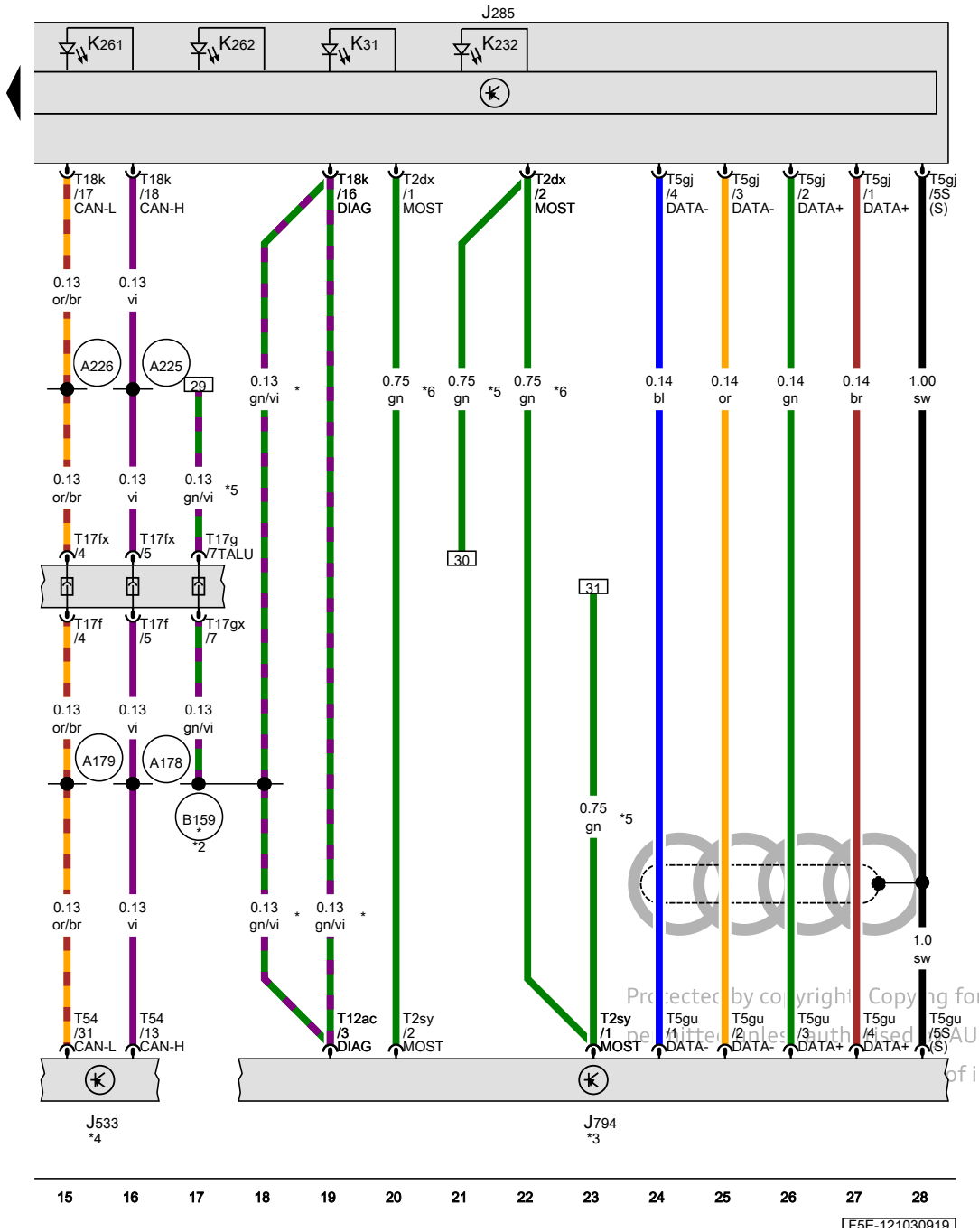
Dash panel insert operating button, Control unit in dash panel insert, Display in dash panel insert

E493	Dash panel insert operating button
G1	Fuel gauge
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K47	ABS warning lamp
K75	Airbag warning lamp
K104	Diesel electronics warning lamp
K118	Brake system warning lamp
K139	Handbrake warning lamp
K149	Engine electronics warning lamp
SC	Fuse holder C
SC9	Fuse 9 on fuse holder C
T4ac	4-pin connector, black
T18k	18-pin connector, black
T54c	54-pin connector, black
Y24	Display in dash panel insert
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A175	Connection (58s), in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment
*2	For right-hand drive models
*3	For left-hand drive models
*4	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Control unit in dash panel insert, Data bus diagnostic interface, Control unit 1 for information electronics

J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
K31	Cruise control system warning lamp
K232	Lane change assist warning lamp
K261	Warning lamp for left turn signal
K262	Warning lamp for right turn signal
T2dx	2-pin connector, black
T2sy	2-pin connector, black
T5gj	5-pin connector, black
T5gu	5-pin connector, white
T12ac	12-pin connector, grey
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T18k	18-pin connector, black
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B159	Connection (diagnosis), in interior wiring harness
*	According to equipment
*2	see applicable current flow diagram for infotainment MOST bus
*3	see applicable current flow diagram for MMI (information electronics)
*4	see applicable current flow diagram for data bus diagnostic interface
*5	For models with TV tuner
*6	For models with no TV tuner

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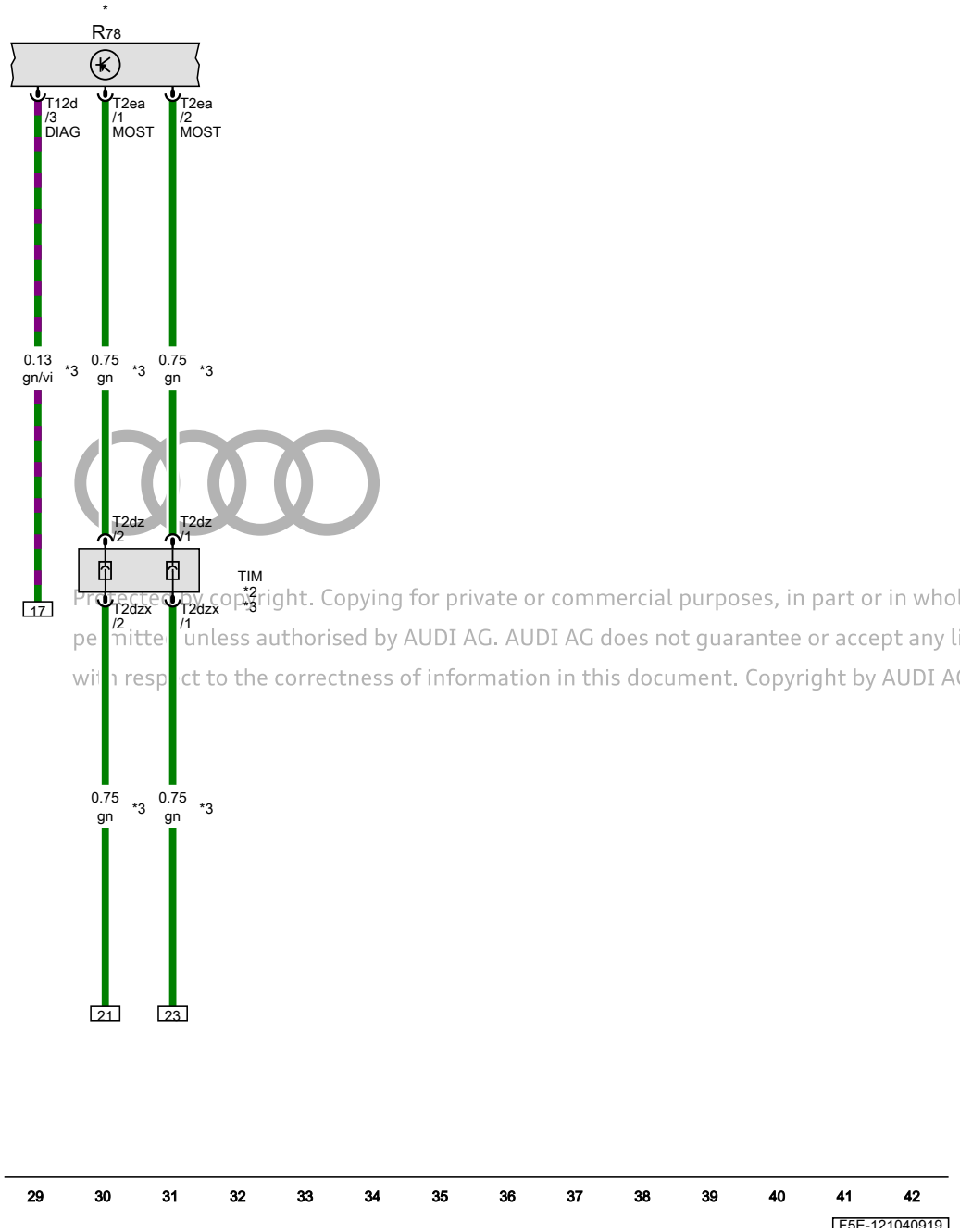

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TV tuner

R78	TV tuner
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T2ea	2-pin connector, black
T12d	12-pin connector, black
TIM	Coupling point in interior, centre
*	see applicable current flow diagram for TV tuner
*2	see applicable current flow diagram for infotainment MOST bus
*3	For models with TV tuner

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Dash panel insert , (9S5),(9S7)

From October 2019

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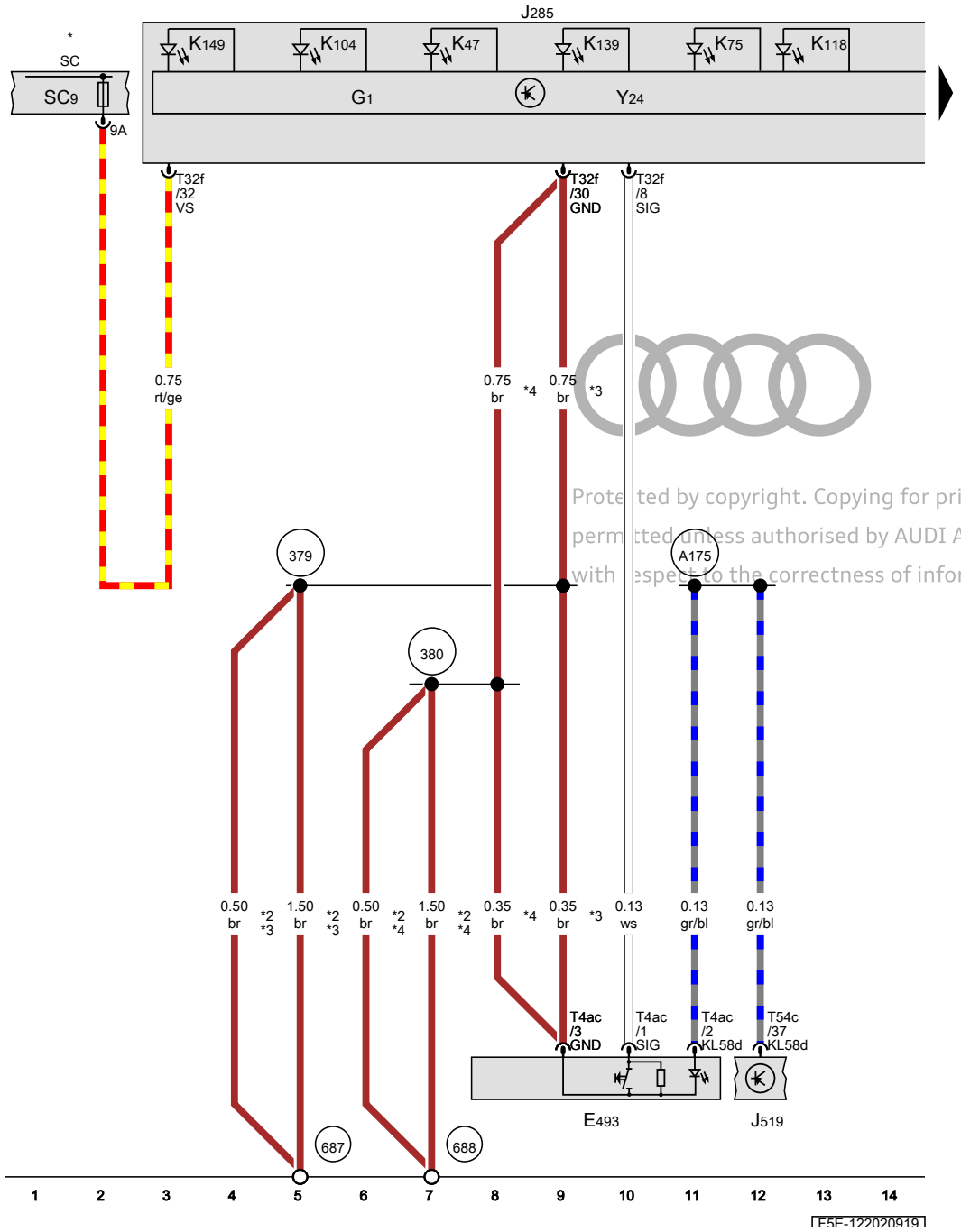

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Dash panel insert operating button, Control unit in dash panel insert, Display in dash panel insert

E493	Dash panel insert operating button
G1	Fuel gauge
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K47	ABS warning lamp
K75	Airbag warning lamp
K104	Diesel electronics warning lamp
K118	Brake system warning lamp
K139	Handbrake warning lamp
K149	Engine electronics warning lamp
SC	Fuse holder C
SC9	Fuse 9 on fuse holder C
T4ac	4-pin connector, black
T32f	32-pin connector, grey
T54c	54-pin connector, black
Y24	Display in dash panel insert
379	Earth connection 14, in main wiring harness
380	Earth connection 15, in main wiring harness
687	Earth point 1, on centre tunnel
688	Earth point 2, on centre tunnel
A175	Connection (58s), in dash panel wiring harness
*	see applicable current flow diagram for fuse assignment
*2	According to equipment
*3	For left-hand drive models
*4	For right-hand drive models

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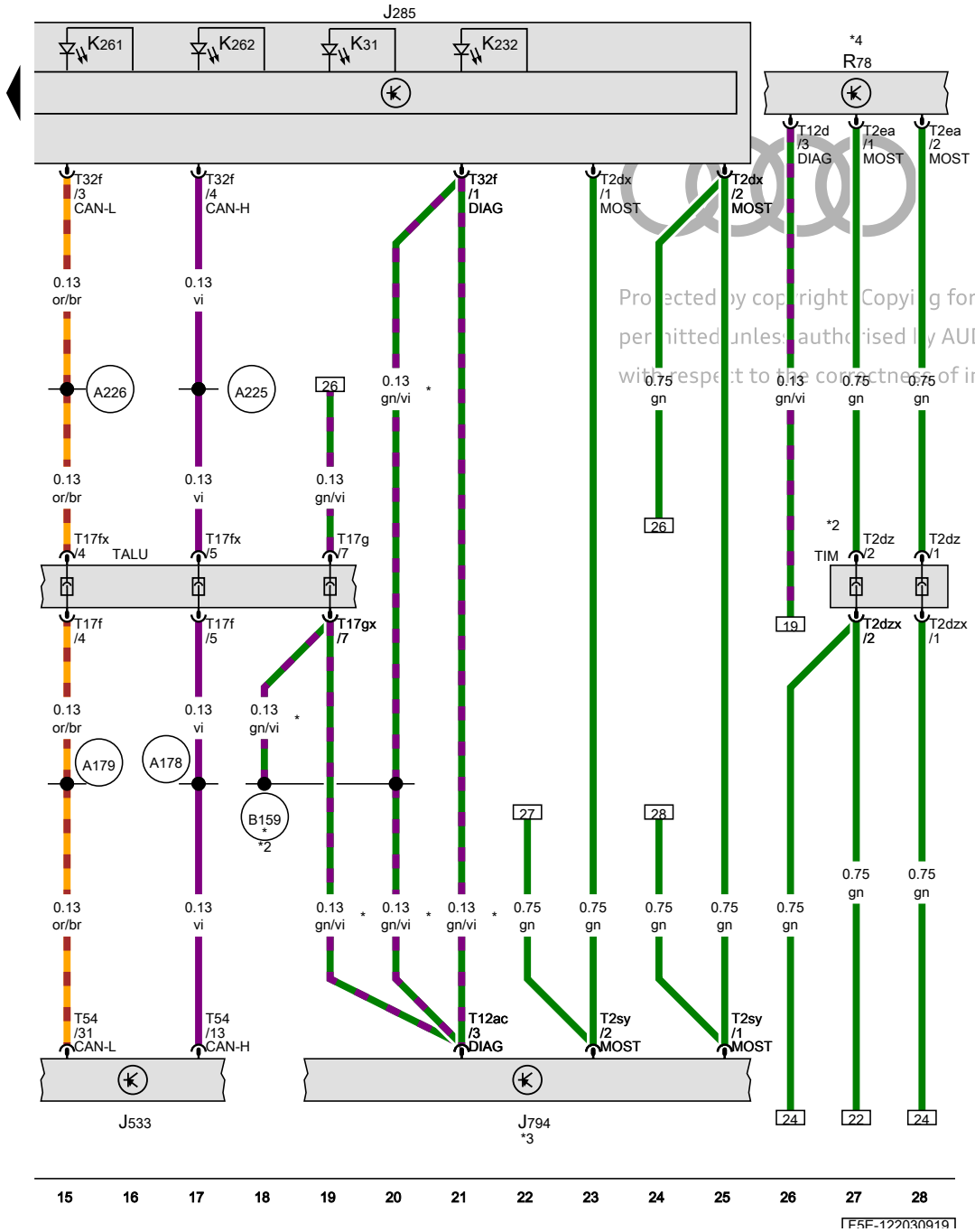
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Control unit in dash panel insert, Data bus diagnostic interface

J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
K31	Cruise control system warning lamp
K232	Lane change assist warning lamp
K261	Warning lamp for left turn signal
K262	Warning lamp for right turn signal
R78	TV tuner
T2dx	2-pin connector, black
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T2ea	2-pin connector, black
T2sy	2-pin connector, black
T12ac	12-pin connector, grey
T12d	12-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T32f	32-pin connector, grey
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B159	Connection (diagnosis), in interior wiring harness
*	According to equipment
*2	see applicable current flow diagram for infotainment MOST bus
*3	see applicable current flow diagram for MMI (information electronics)
*4	see applicable current flow diagram for TV tuner

Overhead view camera , (KA6)

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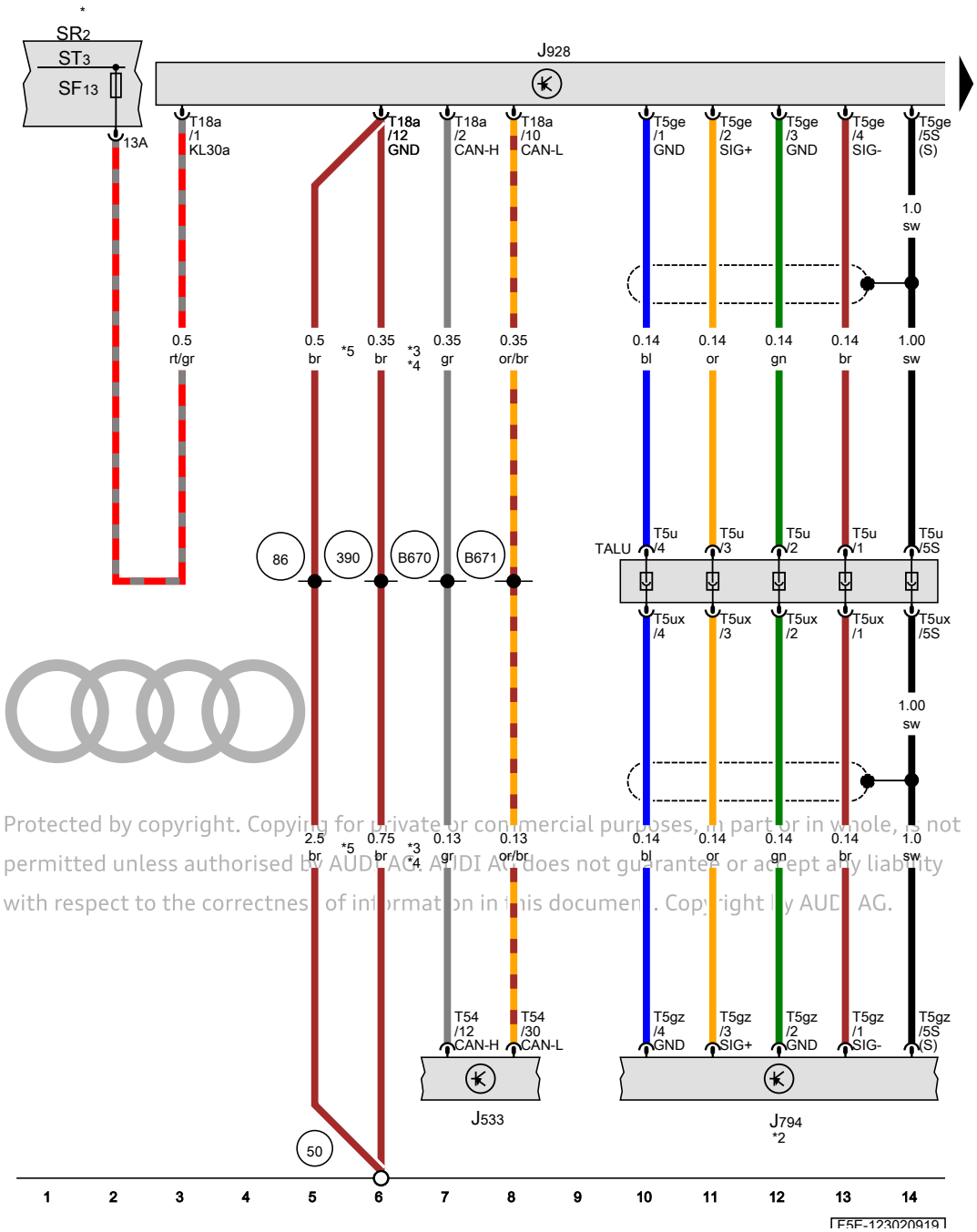

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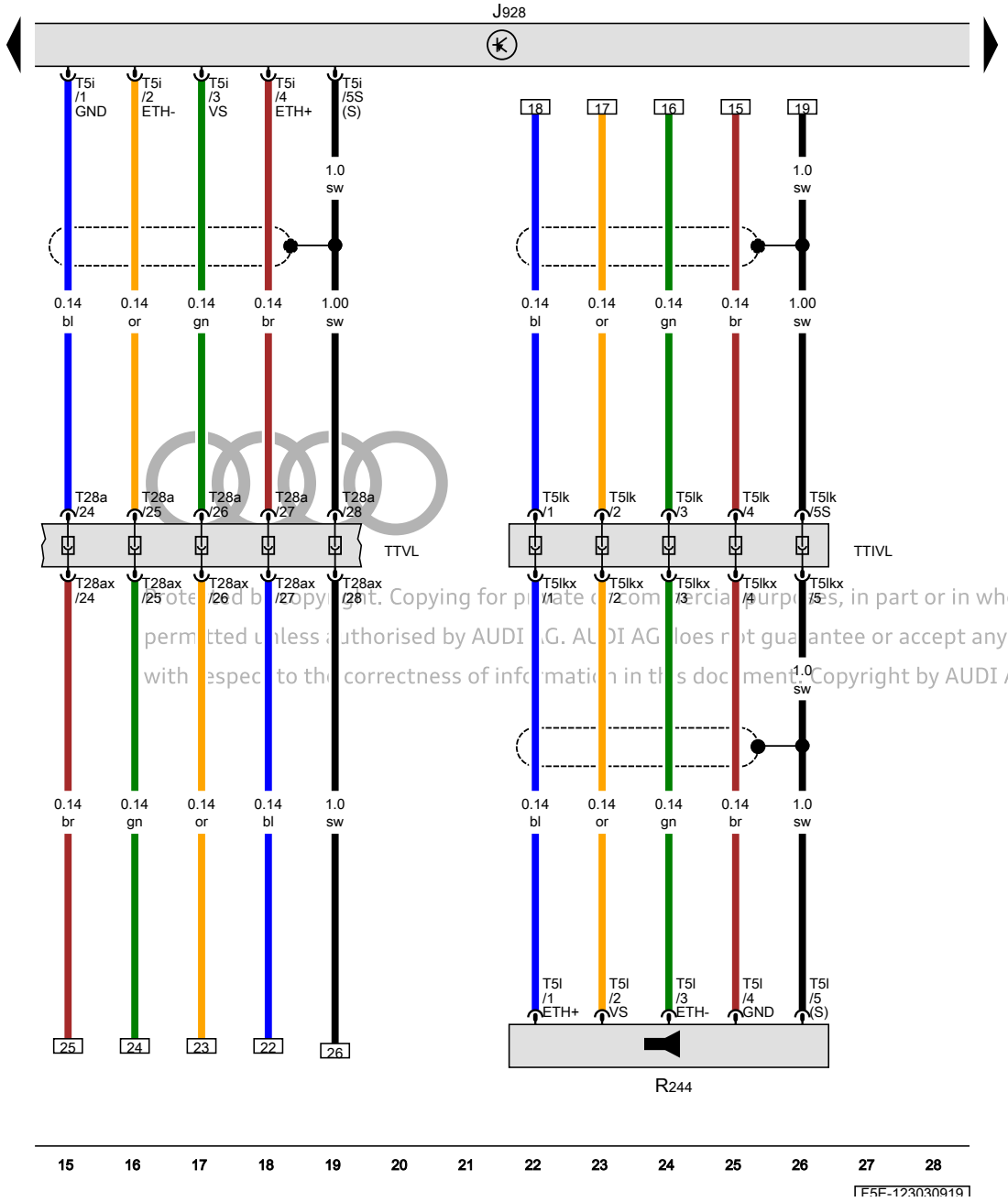
Data bus diagnostic interface, Control unit 1 for information electronics, Control unit for overhead view camera

J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
J928	Control unit for overhead view camera
SR2	Relay and fuse carrier 2
ST3	Fuse carrier 3
SF13	Fuse 13 in fuse holder F
T5ge	5-pin connector, dark brown
T5gz	5-pin connector, green
T5u	5-pin connector, white
T5ux	5-pin connector, white
T18a	18-pin connector
T54	54-pin connector, black
TALU	Coupling point on left A-pillar, bottom
50	Earth point, on left in luggage compartment
86	Earth connection 1, in rear wiring harness
390	Earth connection 25, in main wiring harness
B670	Connection 3 (CAN bus extended high), in main wiring harness
B671	Connection 3 (CAN bus extended low), in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	see applicable current flow diagram for MMI (information electronics)
*3	Coupé
*4	Sportback
*5	For Cabriolet models



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Control unit for overhead view camera, Left overhead view camera

J928	Control unit for overhead view camera
R244	Left overhead view camera
T5i	5-pin connector, green
T5l	5-pin connector, blue
T5lk	5-pin connector, black
T5lkx	5-pin connector, black
T28a	28-pin connector, black
T28ax	28-pin connector, black
TTIVL	Coupling point in front left door
TTVL	Coupling point for front left door

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
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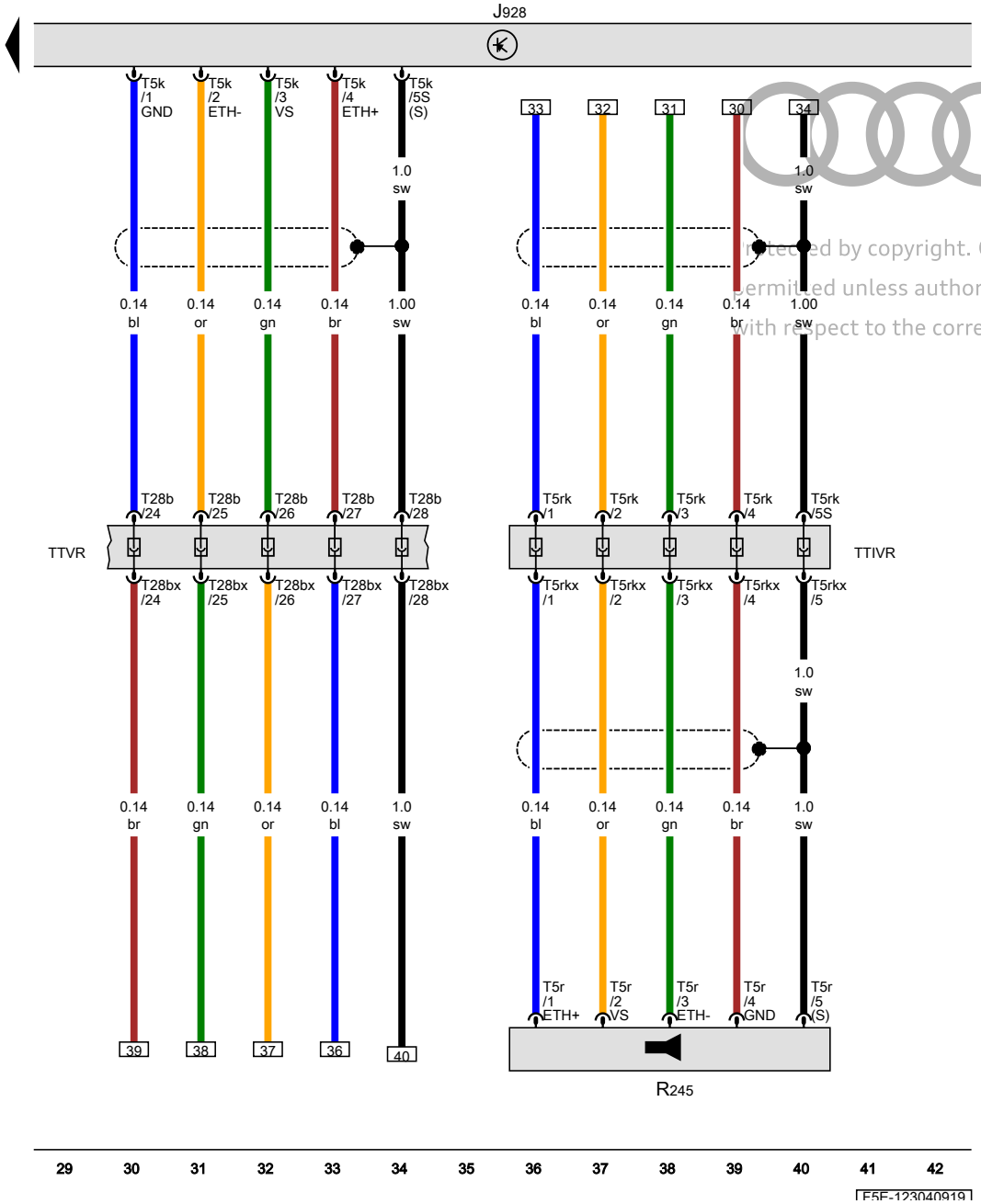

Control unit for overhead view camera, Right overhead view camera

J928	Control unit for overhead view camera
R245	Right overhead view camera
T5k	5-pin connector, black
T5r	5-pin connector, blue
T5rk	5-pin connector, black
T5rkx	5-pin connector, black
T28b	28-pin connector, black
T28bx	28-pin connector, black
TTIVR	Coupling point in front right door
TTVR	Coupling point for front right door

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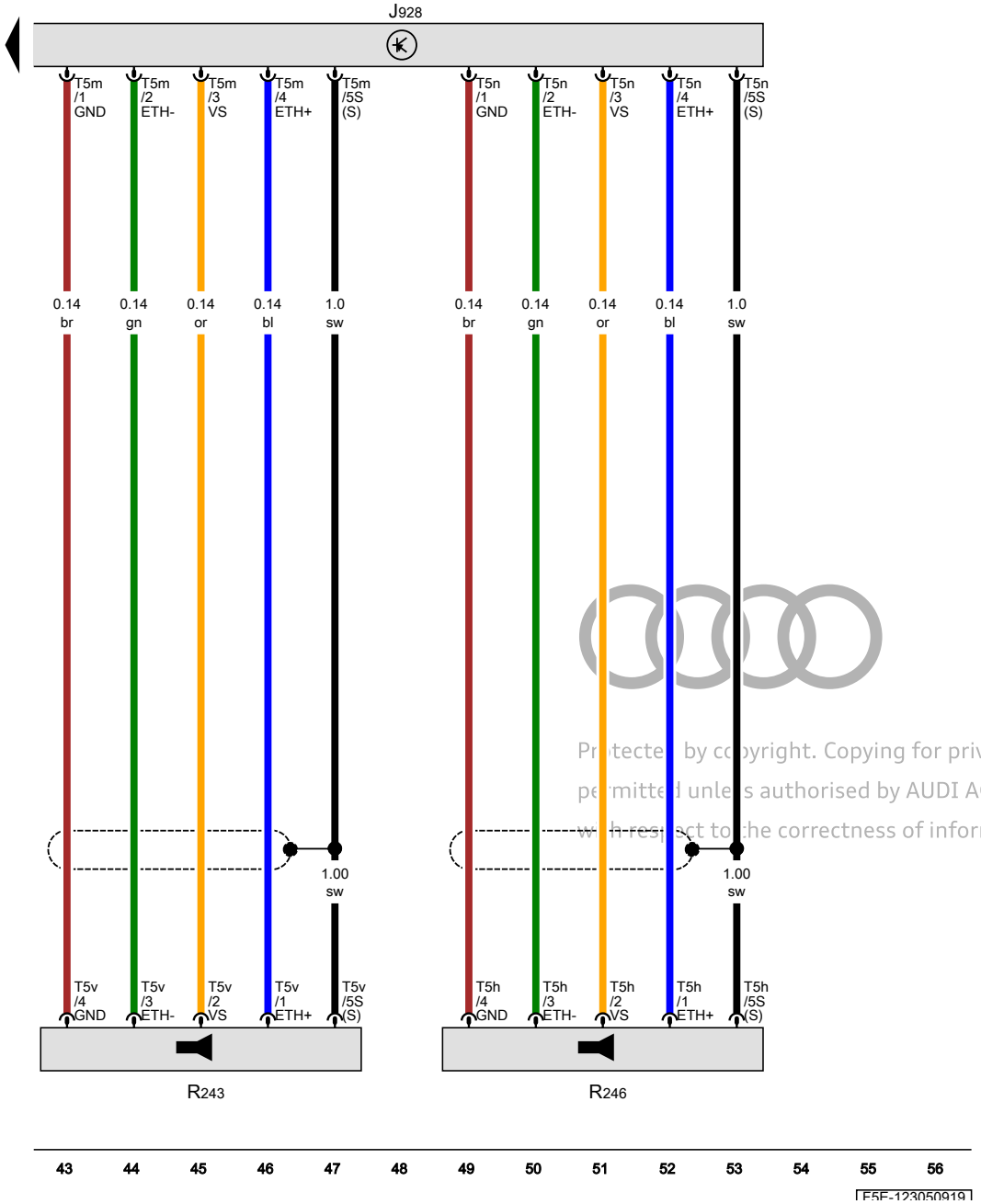
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit for overhead view camera, Front overhead view camera, Rear overhead view camera

J928	Control unit for overhead view camera
R243	Front overhead view camera
R246	Rear overhead view camera
T5h	5-pin connector, black
T5m	5-pin connector, white
T5n	5-pin connector, blue
T5v	5-pin connector, black



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ge	=	yellow
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rs	=	pink

Communication

From October 2019

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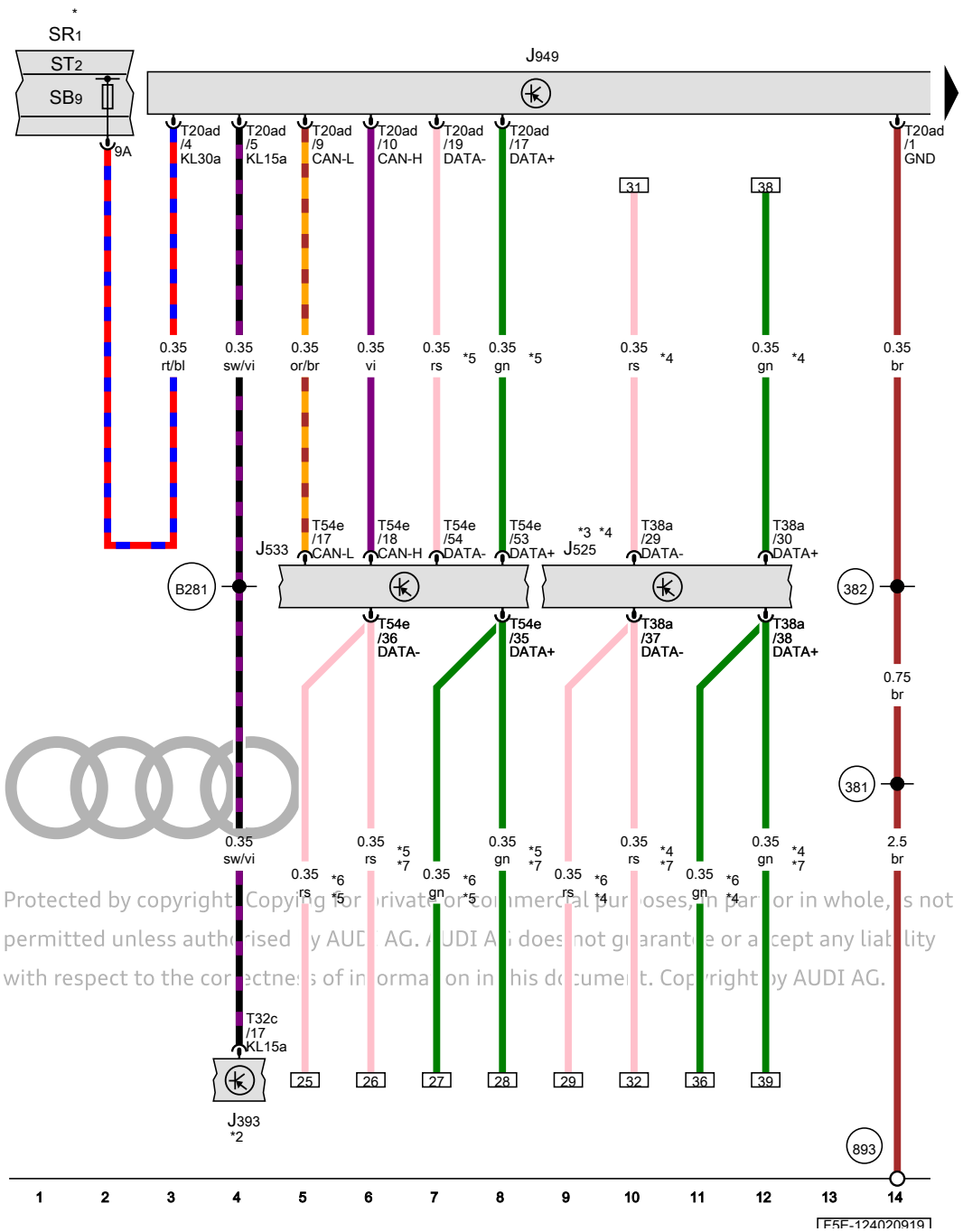

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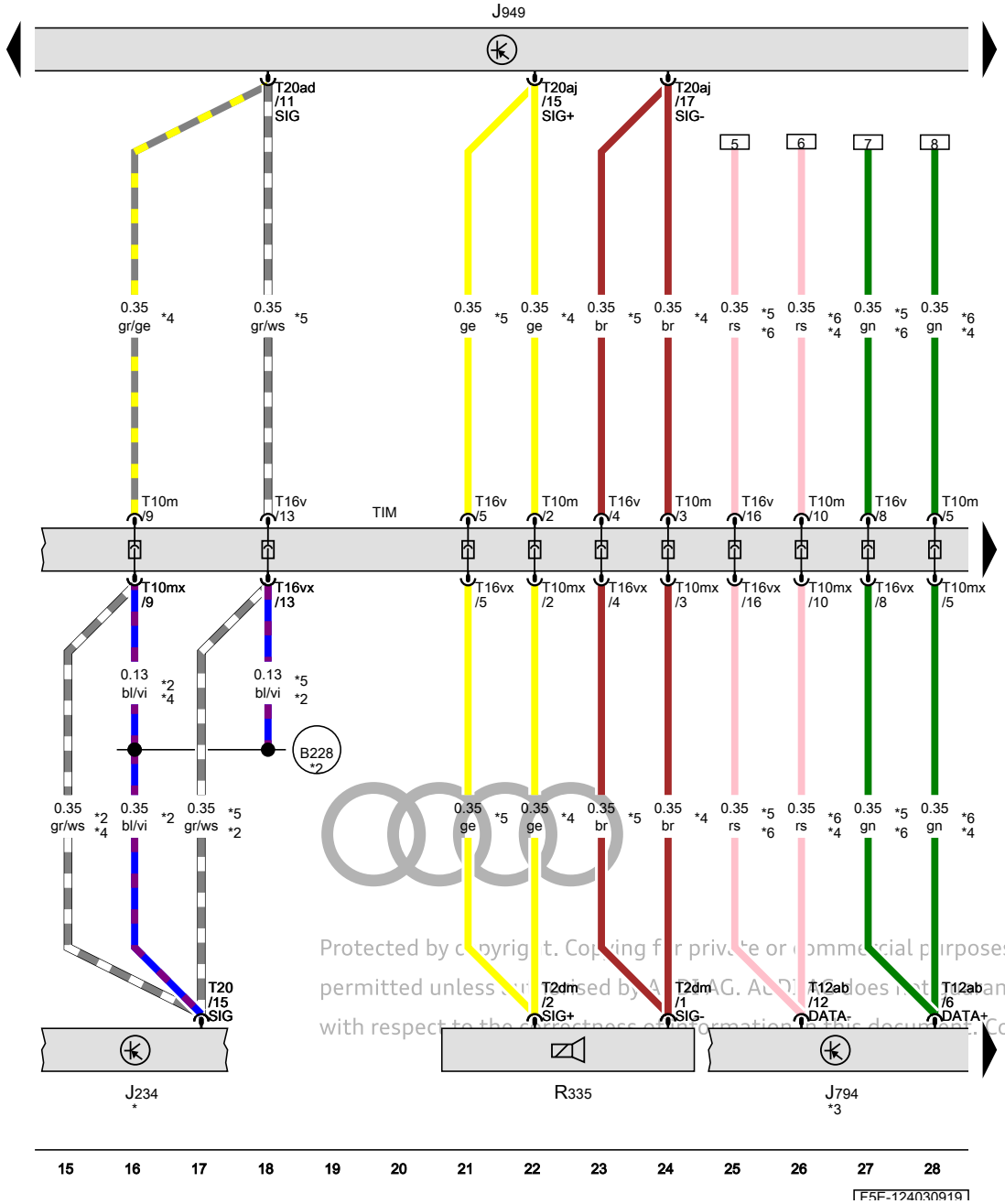
Convenience system central control unit, Digital sound package control unit, Data bus diagnostic interface, Emergency call module control unit and communication unit

J393	Convenience system central control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
J949	Emergency call module control unit and communication unit
SR1	Relay and fuse carrier 1
ST2	Fuse carrier 2
SB9	Fuse 9 on fuse holder B
T20ad	20-pin connector, black
T32c	32-pin connector, black
T38a	38-pin connector, black
T54e	54-pin connector, grey
381	Earth connection 16, in main wiring harness
382	Earth connection 17, in main wiring harness
893	Earth point 2, on left B-pillar
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for fuse assignment
*2	see applicable current flow diagram for convenience system
*3	see applicable current flow diagram for sound system
*4	For models with Bang & Olufsen sound system
*5	Connection for ethernet
*6	From December 2019
*7	Up to November 2019



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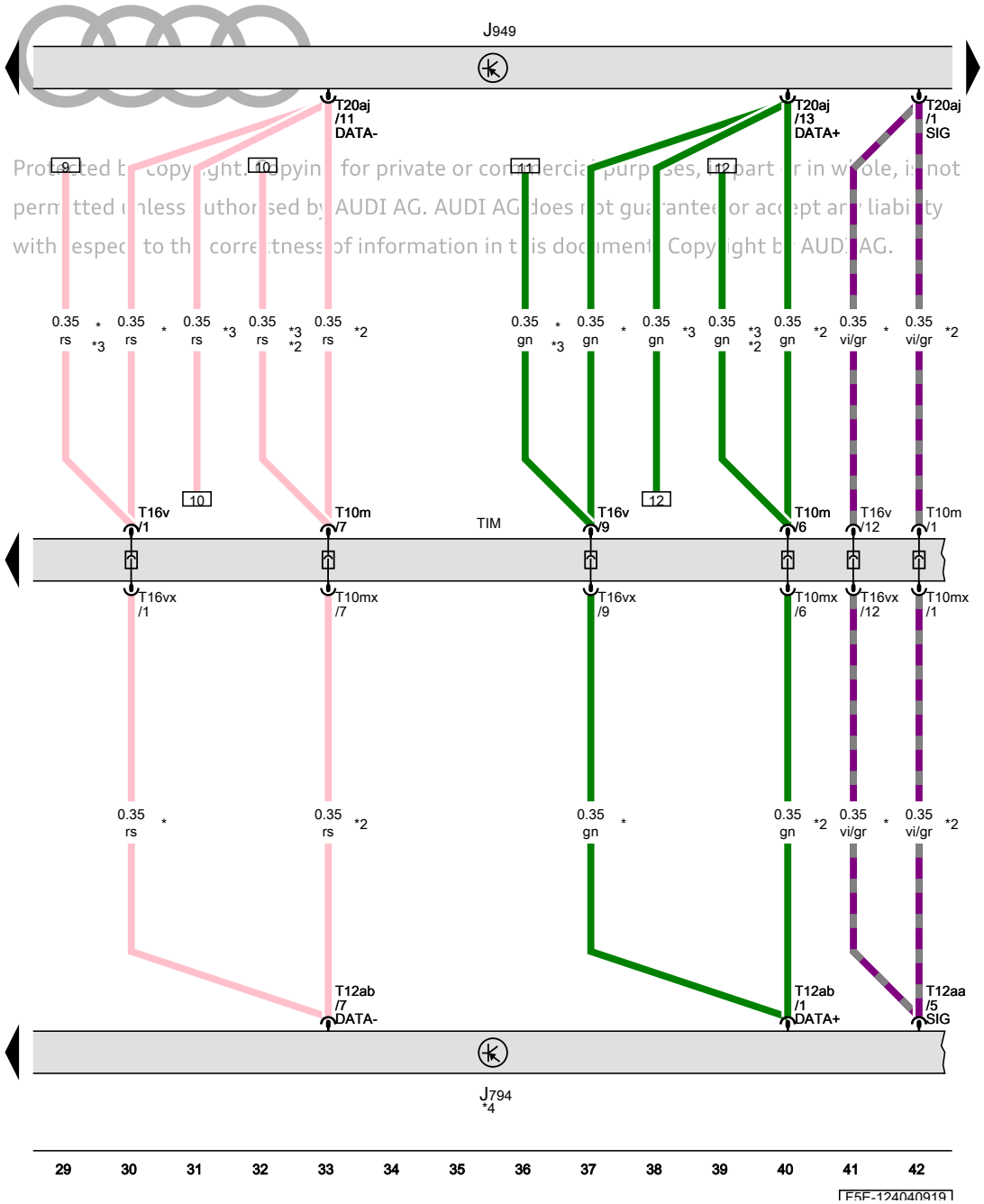
Airbag control unit, Control unit 1 for information electronics, Emergency call module control unit and communication unit, Loudspeaker for emergency call module

J234	Airbag control unit
J794	Control unit 1 for information electronics
J949	Emergency call module control unit and communication unit
R335	Loudspeaker for emergency call module
T2dm	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12ab	12-pin connector, green
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T20	20-pin connector, yellow
T20ad	20-pin connector, black
T20aj	20-pin connector, colourless
TIM	Coupling point in interior, centre
B228	Connection (crash signal), in interior wiring harness
*	see applicable current flow diagram for airbag
*2	According to equipment
*3	see applicable current flow diagram for MMI (information electronics)
*4	Up to November 2019
*5	From December 2019
*6	Connection for ethernet

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Control unit 1 for information electronics, Emergency call module control unit and communication unit

J794	Control unit 1 for information electronics
J949	Emergency call module control unit and communication unit
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12aa	12-pin connector, blue
T12ab	12-pin connector, green
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T20aj	20-pin connector, colourless
TIM	Coupling point in interior, centre
*	From December 2019
*2	Up to November 2019
*3	For models with Bang & Olufsen sound system
*4	see applicable current flow diagram for MMI (information electronics)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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vi	=	purple
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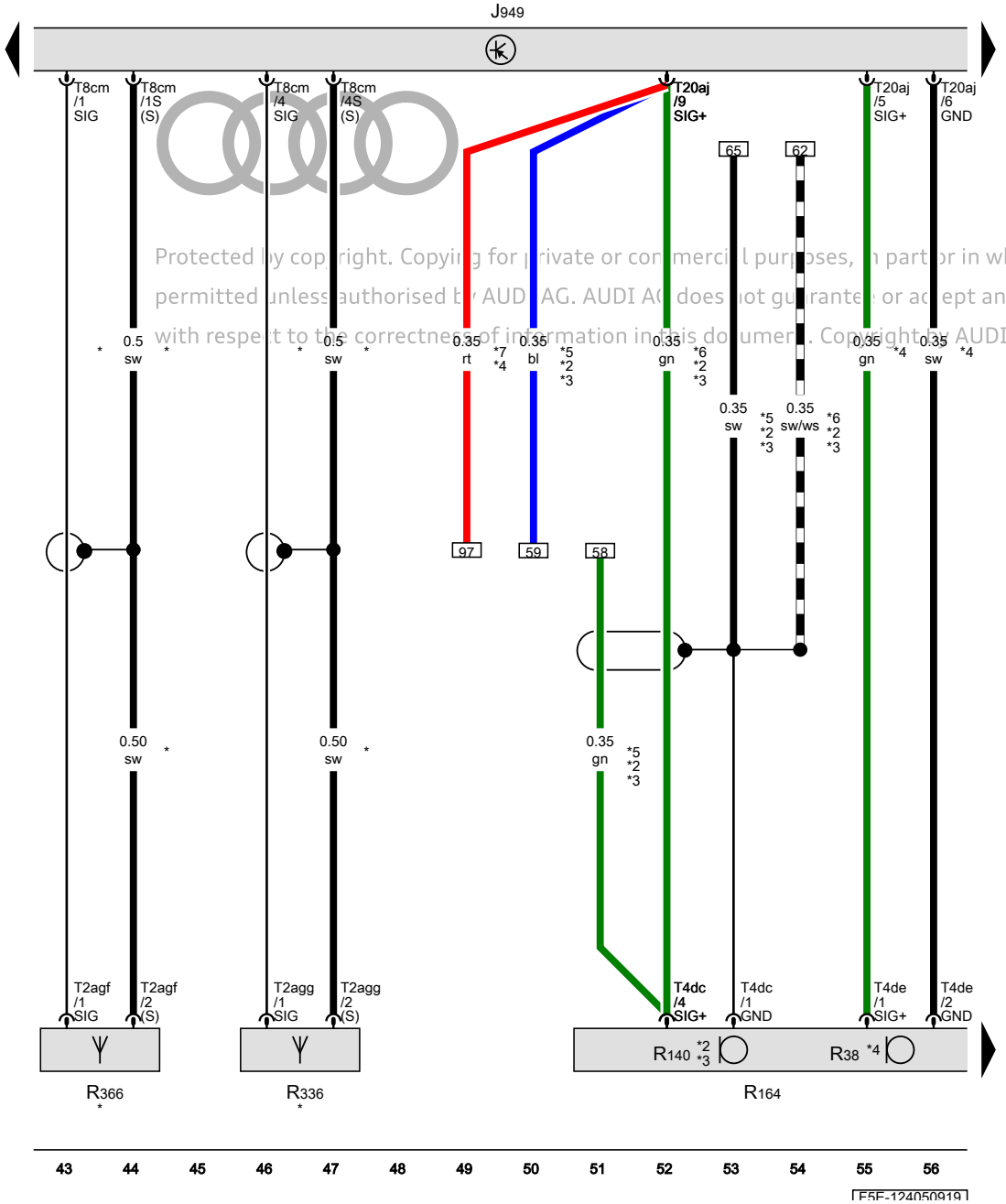
rs	=	pink



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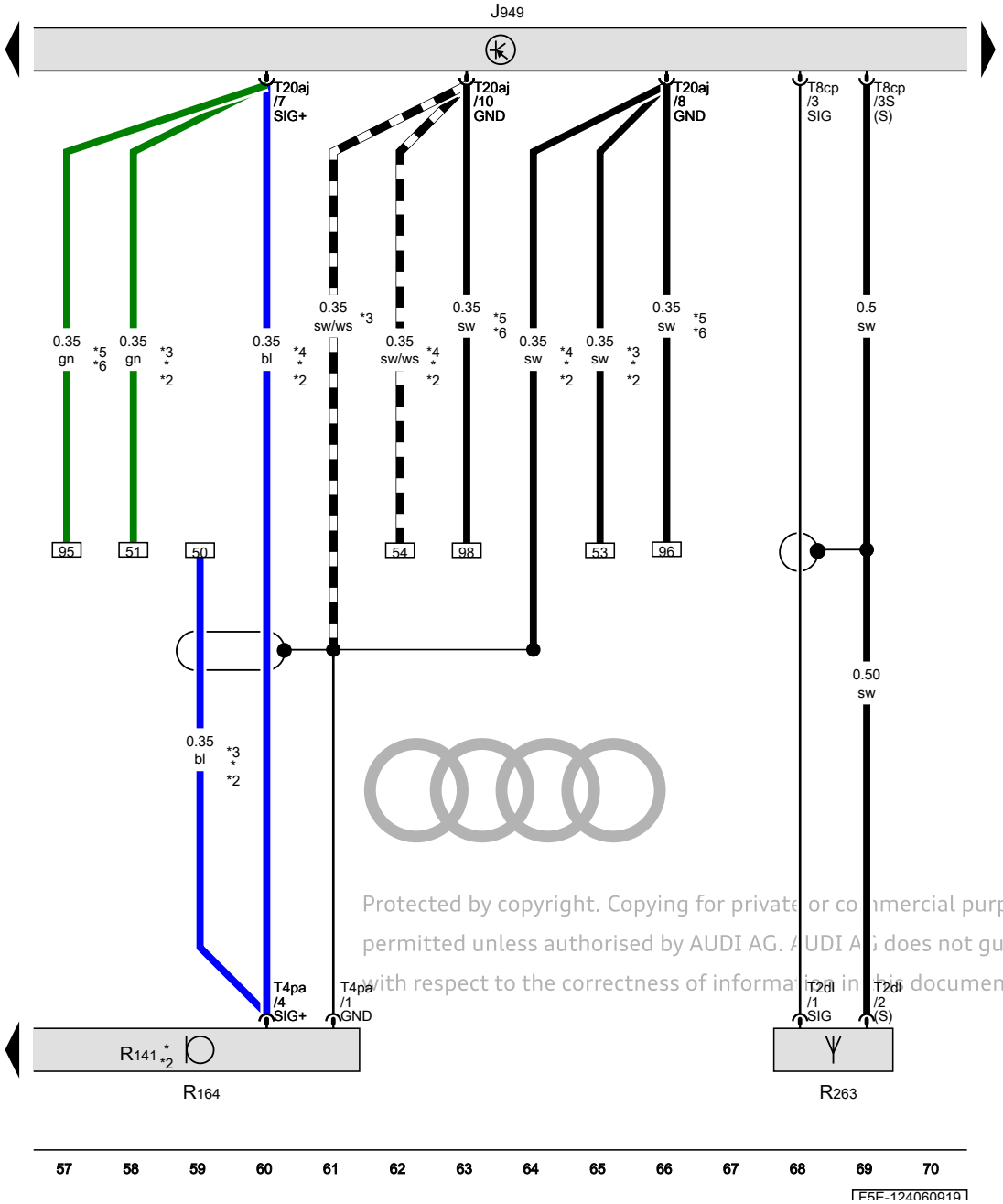
Emergency call module control unit and communication unit, Microphone unit in front roof module, Wireless data transfer aerial, Wireless data transfer aerial 2

J949	Emergency call module control unit and communication unit
R38	Telephone microphone
R140	Front left microphone
R164	Microphone unit in front roof module
R336	Wireless data transfer aerial, in right side window, under rear shelf, on right B-pillar
R366	Wireless data transfer aerial 2, in left side window, under centre rear seat
T2agf	2-pin connector, colourless
T2agg	2-pin connector, colourless
T4dc	4-pin connector, grey
T4de	4-pin connector, black
T8cm	8-pin connector, white
T20aj	20-pin connector, colourless
*	For models with mobile telephone/telephone
*2	Coupé
*3	Sportback
*4	For Cabriolet models
*5	For left-hand drive models
*6	For right-hand drive models
*7	For models with seat belt microphone

Emergency call module control unit and communication unit, Microphone unit in front roof module, Emergency call module aerial

J949	Emergency call module control unit and communication unit
R141	Front right microphone
R164	Microphone unit in front roof module
R263	Emergency call module aerial, behind rear bumper on left
T2dl	2-pin connector, purple
T4pa	4-pin connector, blue
T8cp	8-pin connector, black
T20aj	20-pin connector, colourless
*	Coupé
*2	Sportback
*3	For left-hand drive models
*4	For right-hand drive models
*5	For models with seat belt microphone
*6	For Cabriolet models



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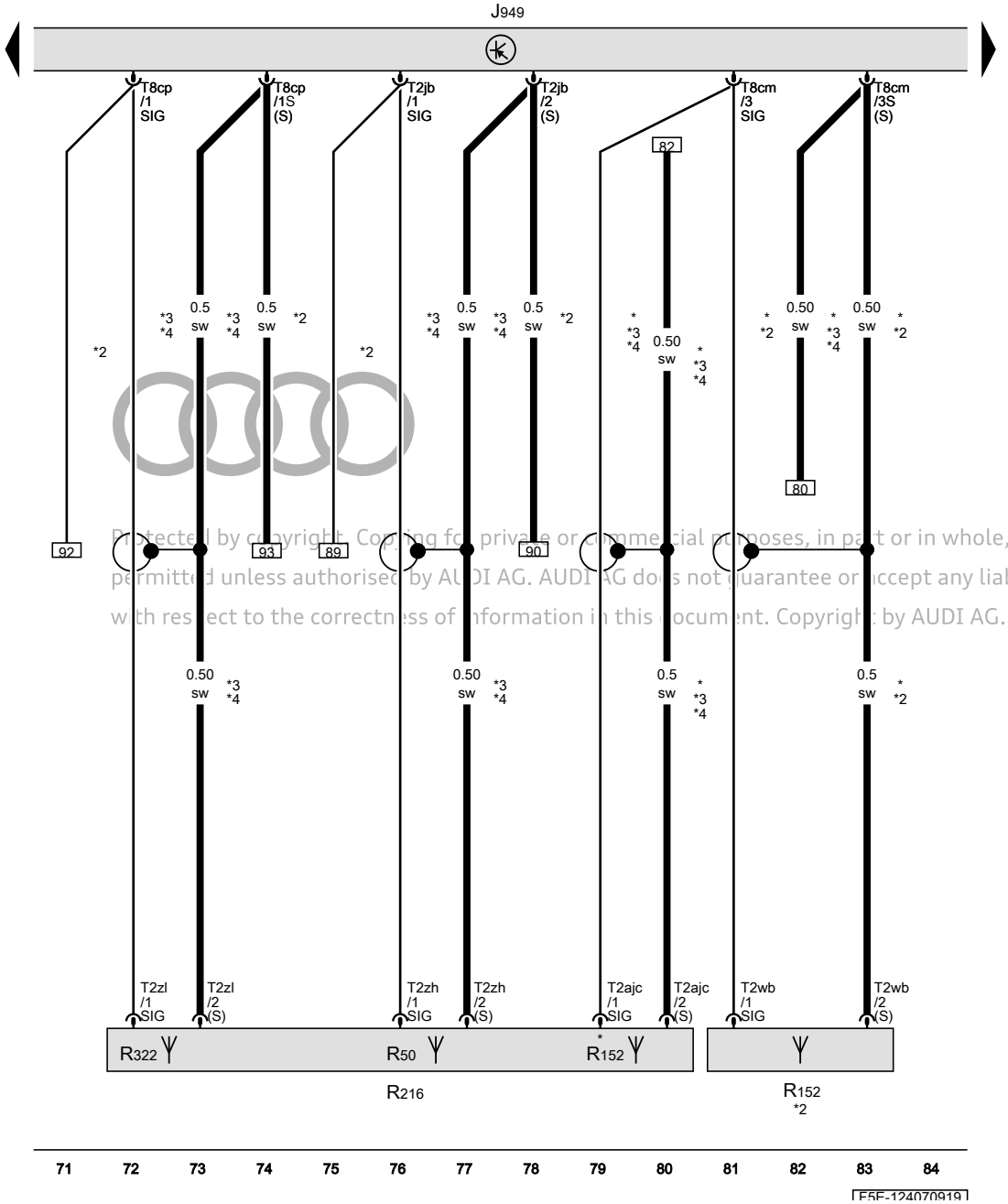

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Emergency call module control unit and communication unit, Roof aerial

J949	Emergency call module control unit and communication unit
R50	GPS aerial
R152	Aerial for Bluetooth
R216	Roof aerial
R322	Emergency call module aerial 2
T2ajc	2-pin connector, black
T2jb	2-pin connector, pink
T2wb	2-pin connector, blue
T2zh	2-pin connector, blue
T2zl	2-pin connector, purple
T8cm	8-pin connector, white
T8cp	8-pin connector, black
*	For models with mobile telephone/telephone
*2	For Cabriolet models
*3	Coupé
*4	Sportback

ws	=	white
sw	=	black
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rt	=	red
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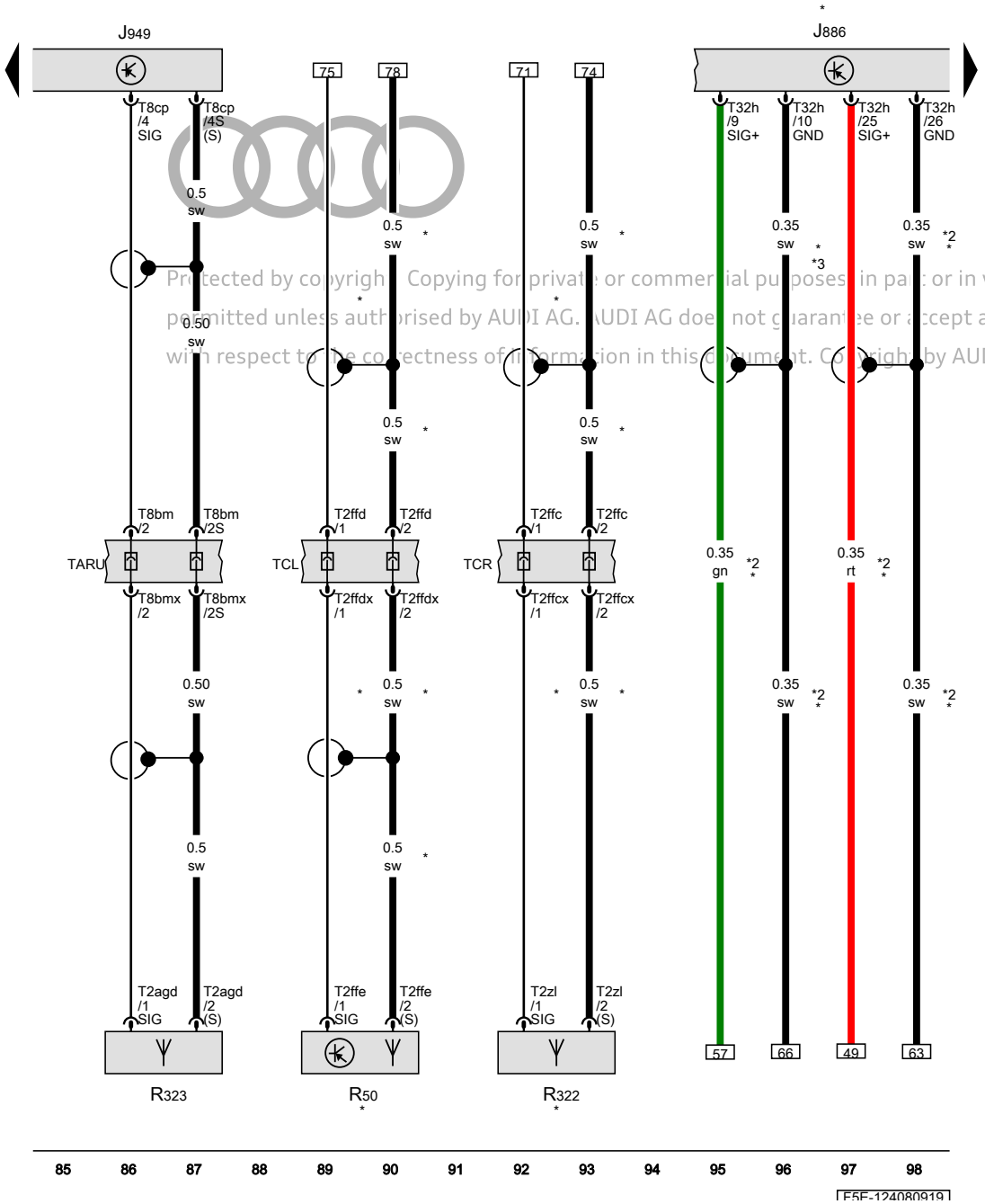

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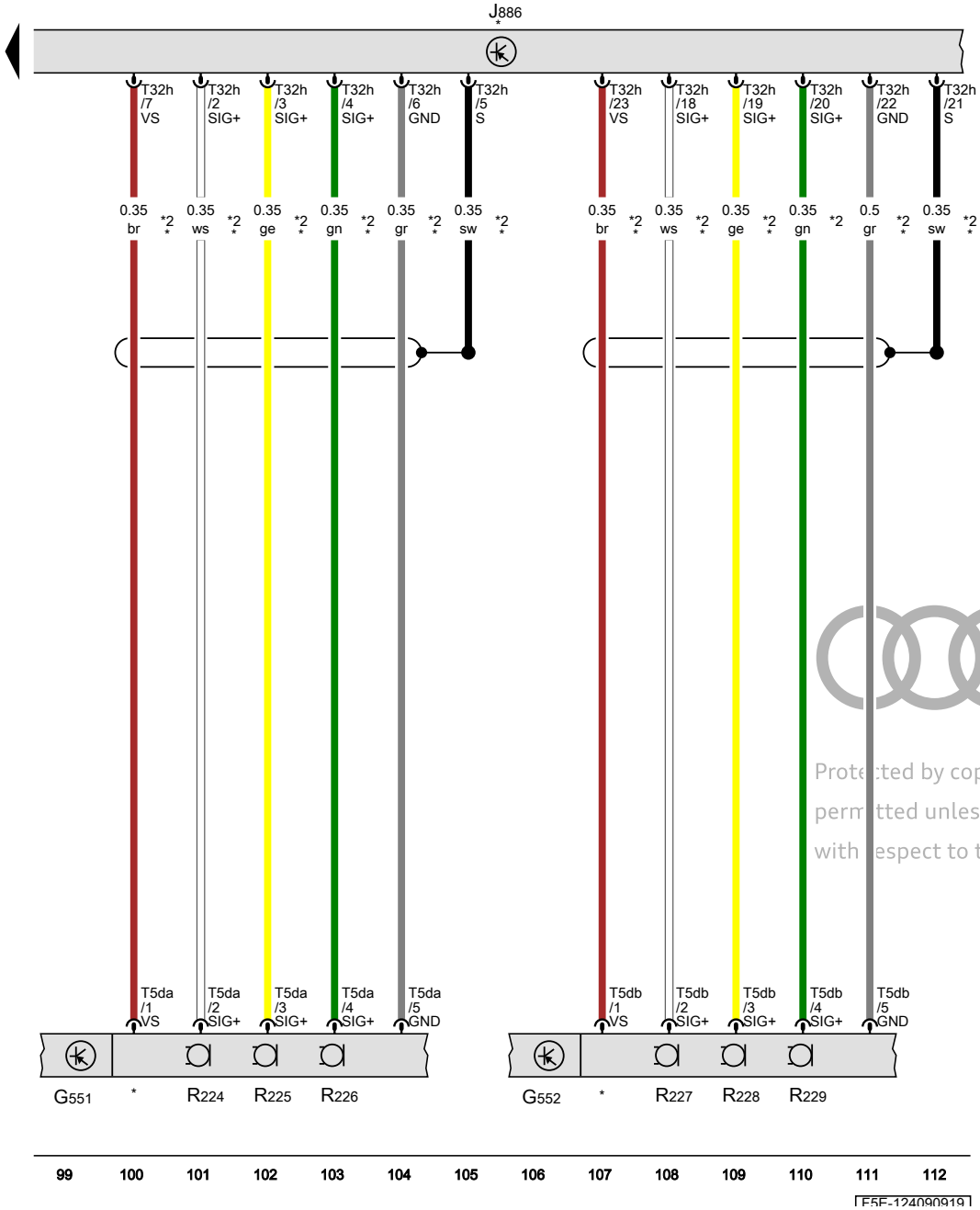
Control unit for seat belt microphone, Emergency call module control unit and communication unit, GPS aerial, Emergency call module aerial 2, Emergency call module aerial 3

J886	Control unit for seat belt microphone
J949	Emergency call module control unit and communication unit
R50	GPS aerial, on convertible roof box
R322	Emergency call module aerial 2, on convertible roof box
R323	Emergency call module aerial 3, in dash panel
T2agd	2-pin connector, purple
T2ffc	2-pin connector, purple
T2ffcx	2-pin connector, purple
T2ffd	2-pin connector, blue
T2ffdx	2-pin connector, blue
T2ffe	2-pin connector, blue
T2zl	2-pin connector, purple
T8bm	8-pin connector, white
T8bmx	8-pin connector, white
T8cp	8-pin connector, black
T32h	32-pin connector, black
TARU	Coupling point on right A-pillar, bottom
TCL	Coupling point on left C-pillar, in rear left side panel
TCR	Coupling point on right C-pillar
*	For Cabriolet models
*2	For models with seat belt microphone
*3	According to equipment



Control unit for seat belt microphone, Microphone 1 on driver side, Microphone 2 on driver side, Microphone 3 on driver side, Microphone 1 on front passenger side, Microphone 2 on front passenger side, Microphone 3 on front passenger side

G551	Driver side belt force limiter
G552	Front passenger side belt force limiter
J886	Control unit for seat belt microphone
R224	Microphone 1 on driver side
R225	Microphone 2 on driver side
R226	Microphone 3 on driver side
R227	Microphone 1 on front passenger side
R228	Microphone 2 on front passenger side
R229	Microphone 3 on front passenger side
T5da	5-pin connector, black
T5db	5-pin connector, black
T32h	32-pin connector, black
*	For Cabriolet models
*2	For models with seat belt microphone

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2.0l petrol engine , DMSA,DMSB

From March 2020

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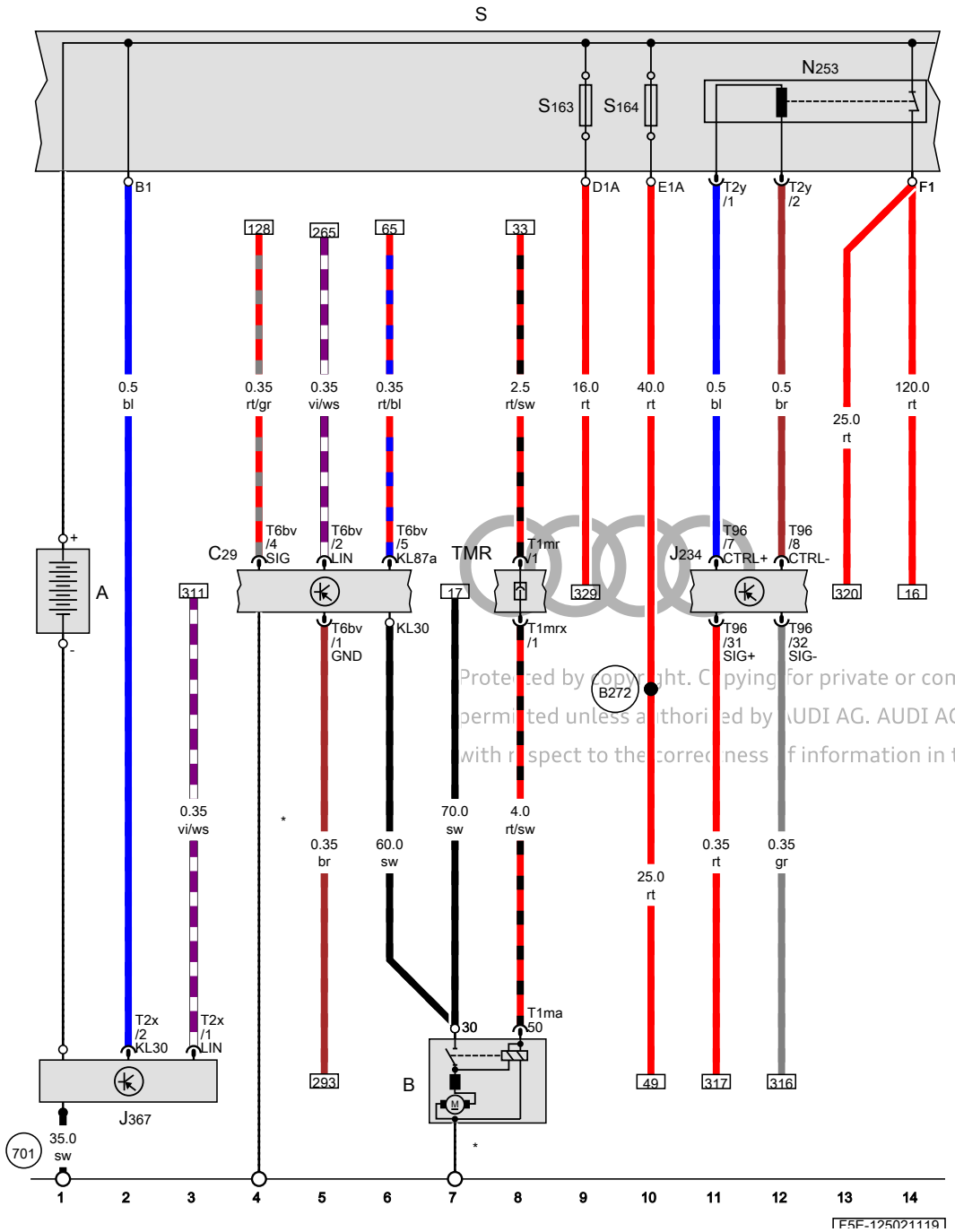

Battery, Starter, Starter-alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C29	Starter-alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T1mr	1-pin connector, black
T1mrx	1-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T6bv	6-pin connector, black
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
701	Earth point in luggage compartment
B272	Positive connection (30), in main wiring harness
*	Earth supply via housing

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sw	=	black
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rt	=	red
br	=	brown
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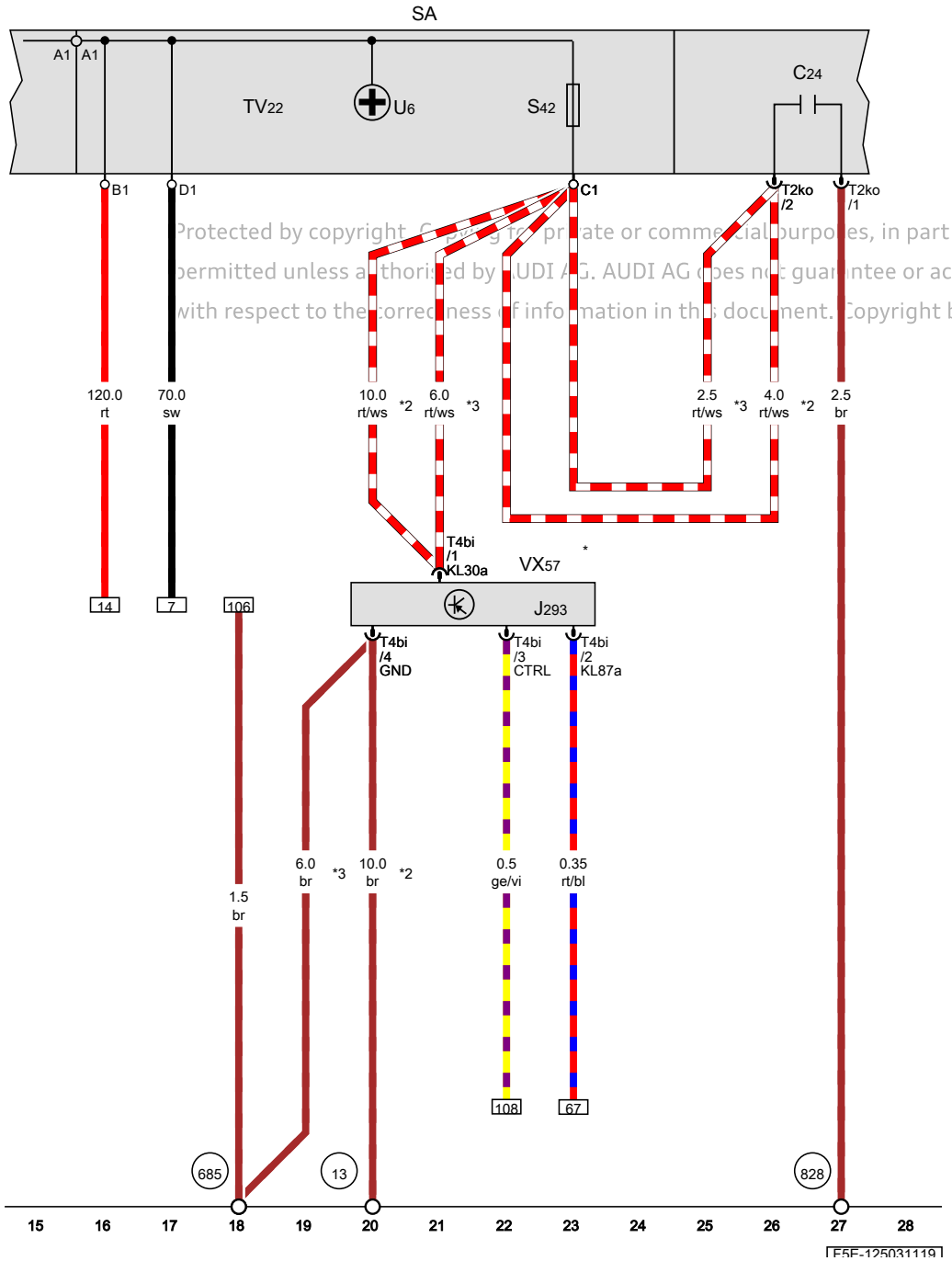
rs	=	pink



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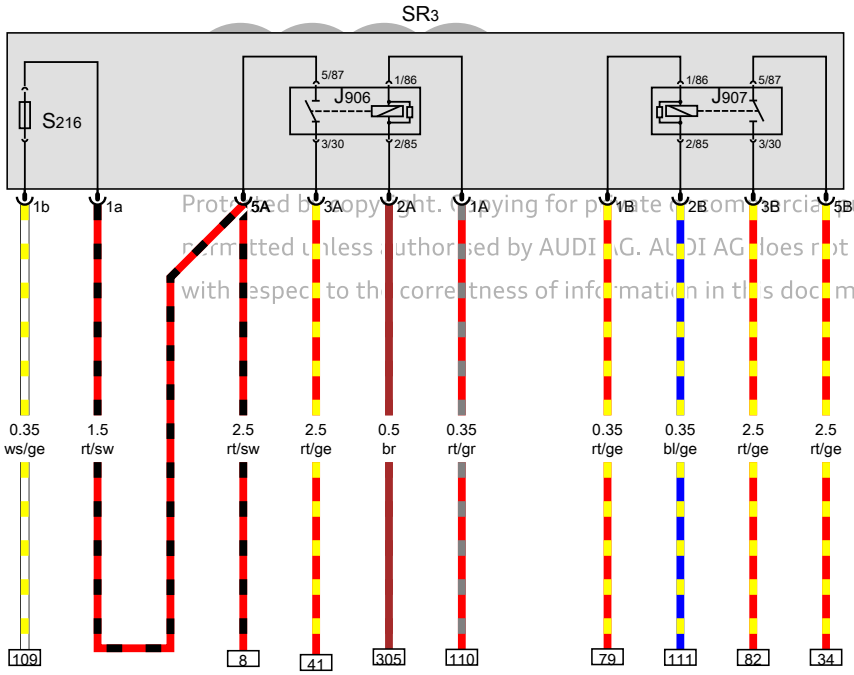
Fuse holder A, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
S42	Radiator fan single fuse
SA	Fuse holder A, front right in engine compartment
T2ko	2-pin connector, black
T4bi	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
VX57	Radiator fan
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with increased fan output
*3	For models with low fan output



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Starter relay 1, Starter relay 2, Relay and fuse carrier 3, Fuse (50)

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S216	Fuse (50), central in plenum chamber

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gn	=	green
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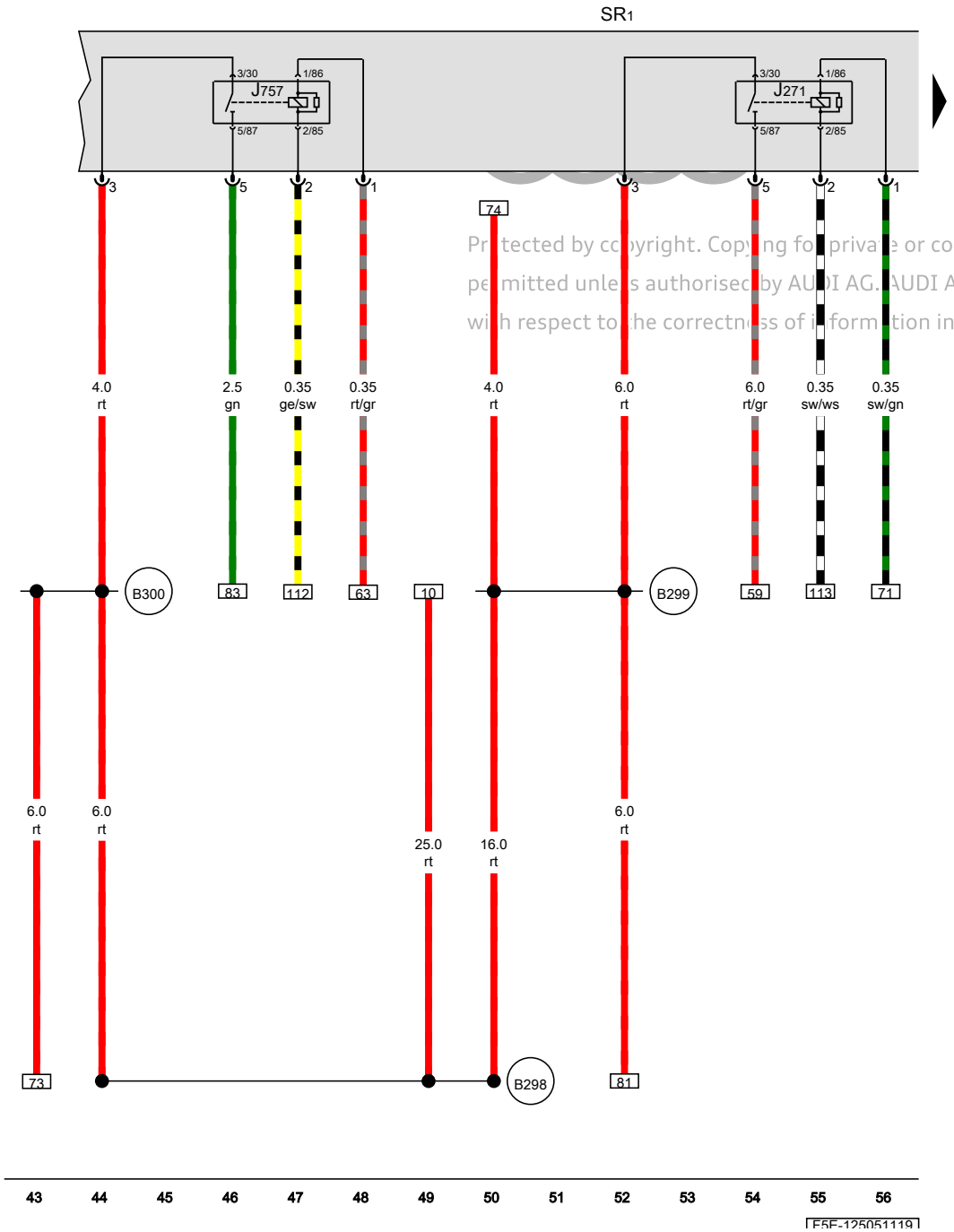

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Main relay, Engine component current supply relay, Relay and fuse carrier 1

J271 Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757 Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
SR1 Relay and fuse carrier 1, on lower section of left A-pillar

B298 Positive connection 2 (30), in main wiring harness
B299 Positive connection 3 (30), in main wiring harness
B300 Positive connection 4 (30), in main wiring harness

ws = white
sw = black
ro = red
rt = red
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gn = green
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li = purple
vi = purple
ge = yellow
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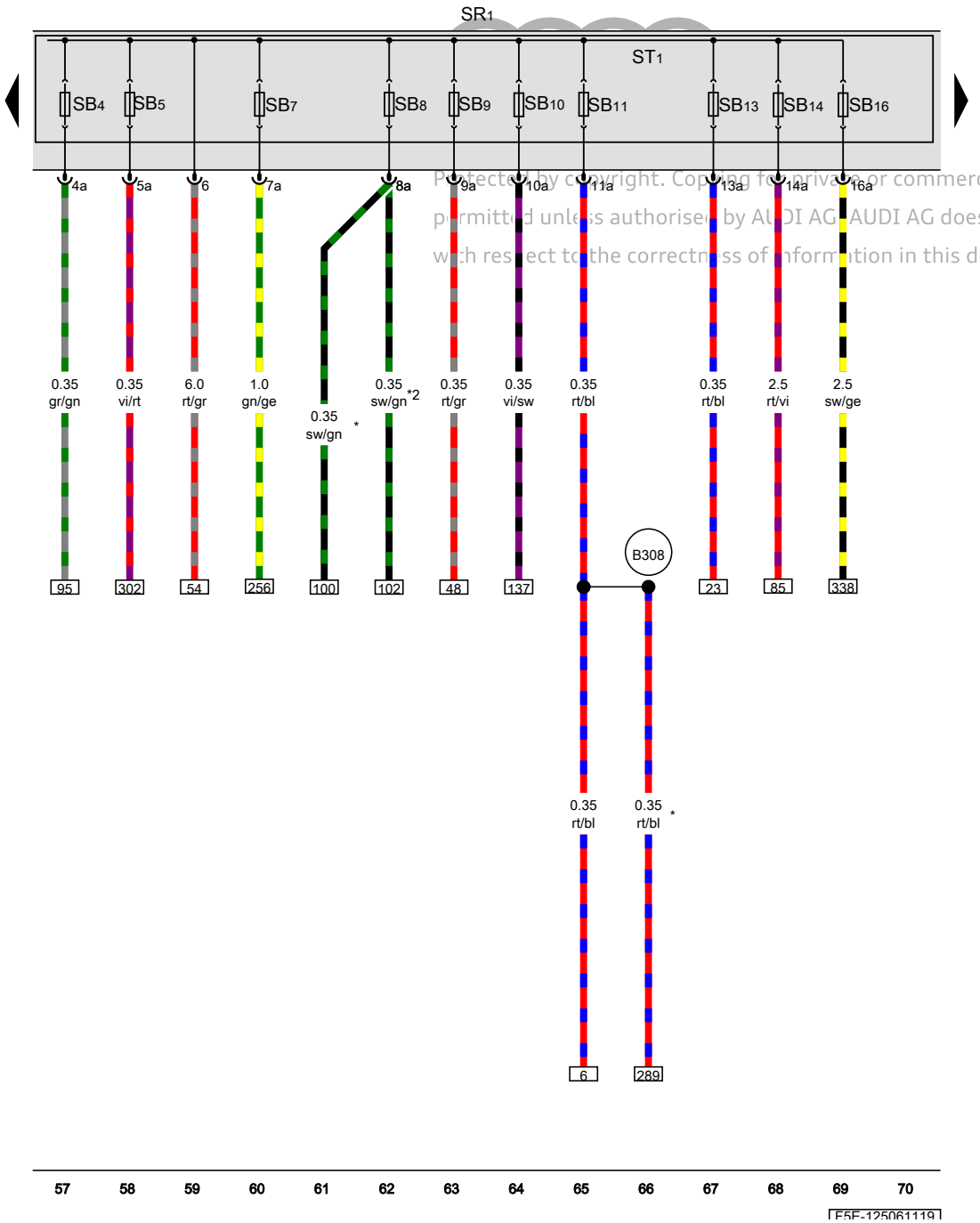
rs = pink



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Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB16	Fuse 16 on fuse holder B
B308	Positive connection 12 (30), in main wiring harness
*	For models with manual gearbox
*2	For models with automatic gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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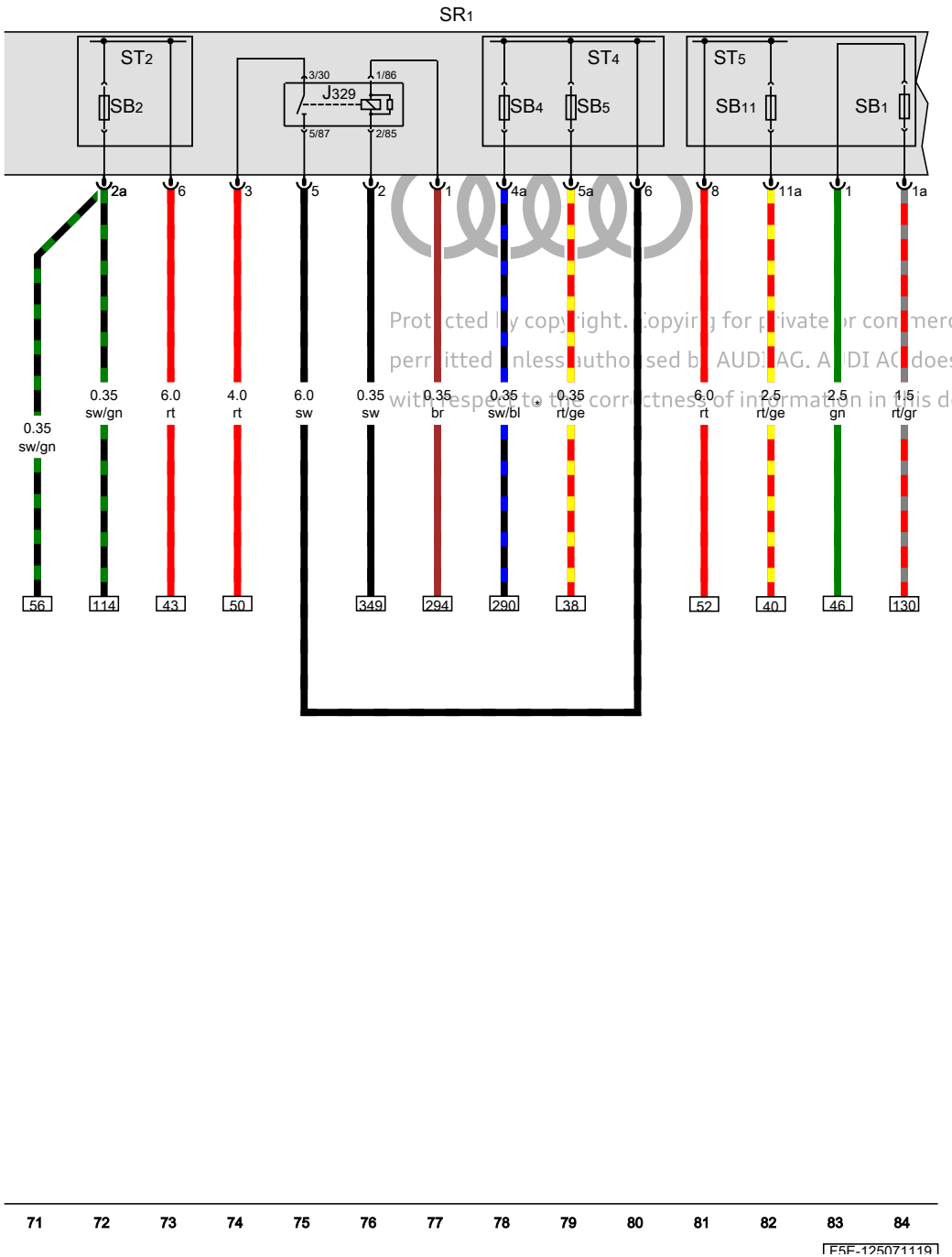

Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
SB1	Fuse 1 on fuse holder B
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
SB4	Fuse 4 on fuse holder B
ST4	Fuse carrier 4, black
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5, red
SB11	Fuse 11 on fuse holder B
*	For models with manual gearbox

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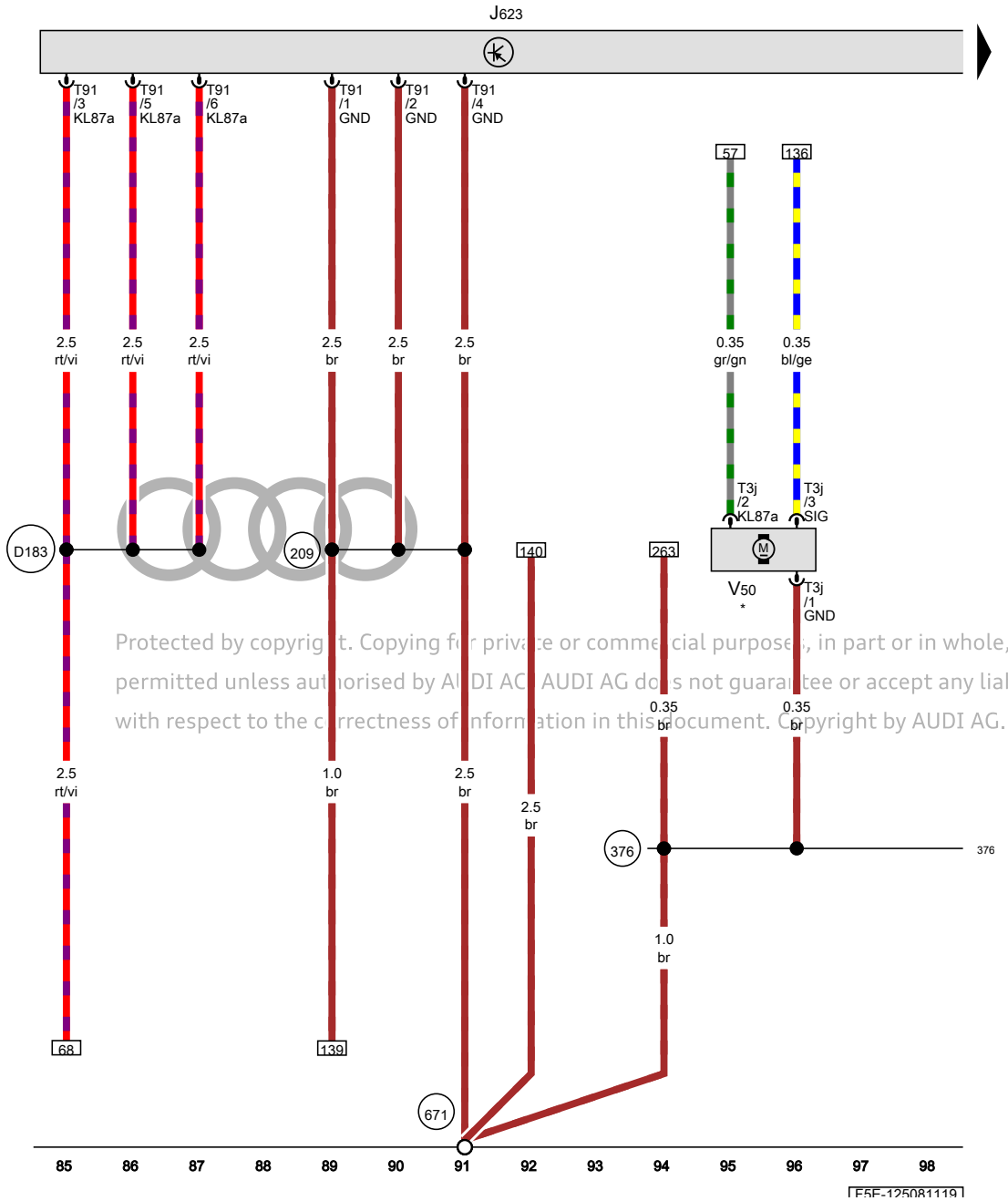

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Engine/motor control unit, Coolant circulation pump

J623	Engine/motor control unit, front left in engine compartment
T3j	3-pin connector, black
T91	91-pin connector, black
V50	Coolant circulation pump
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
*	Heater support function

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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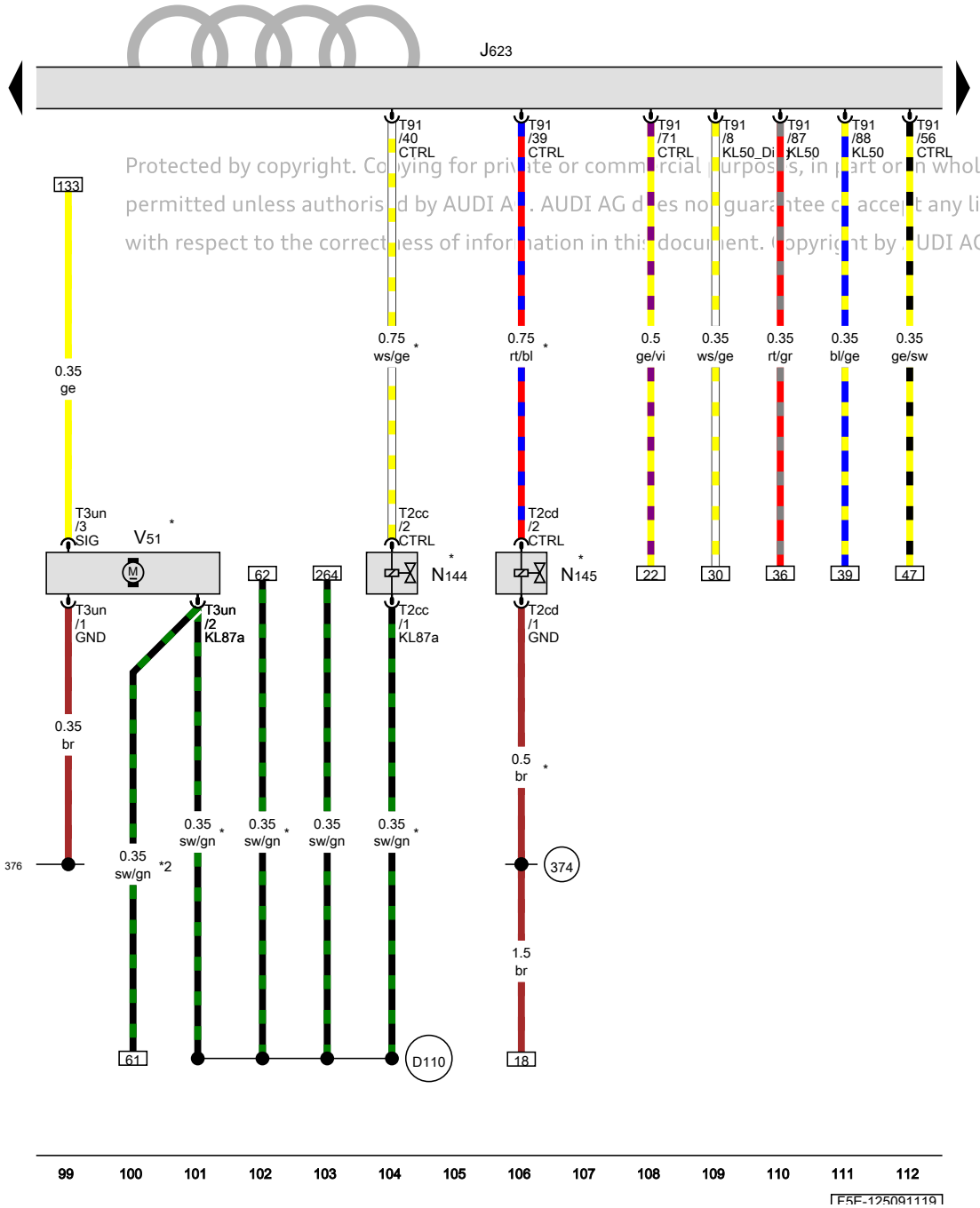

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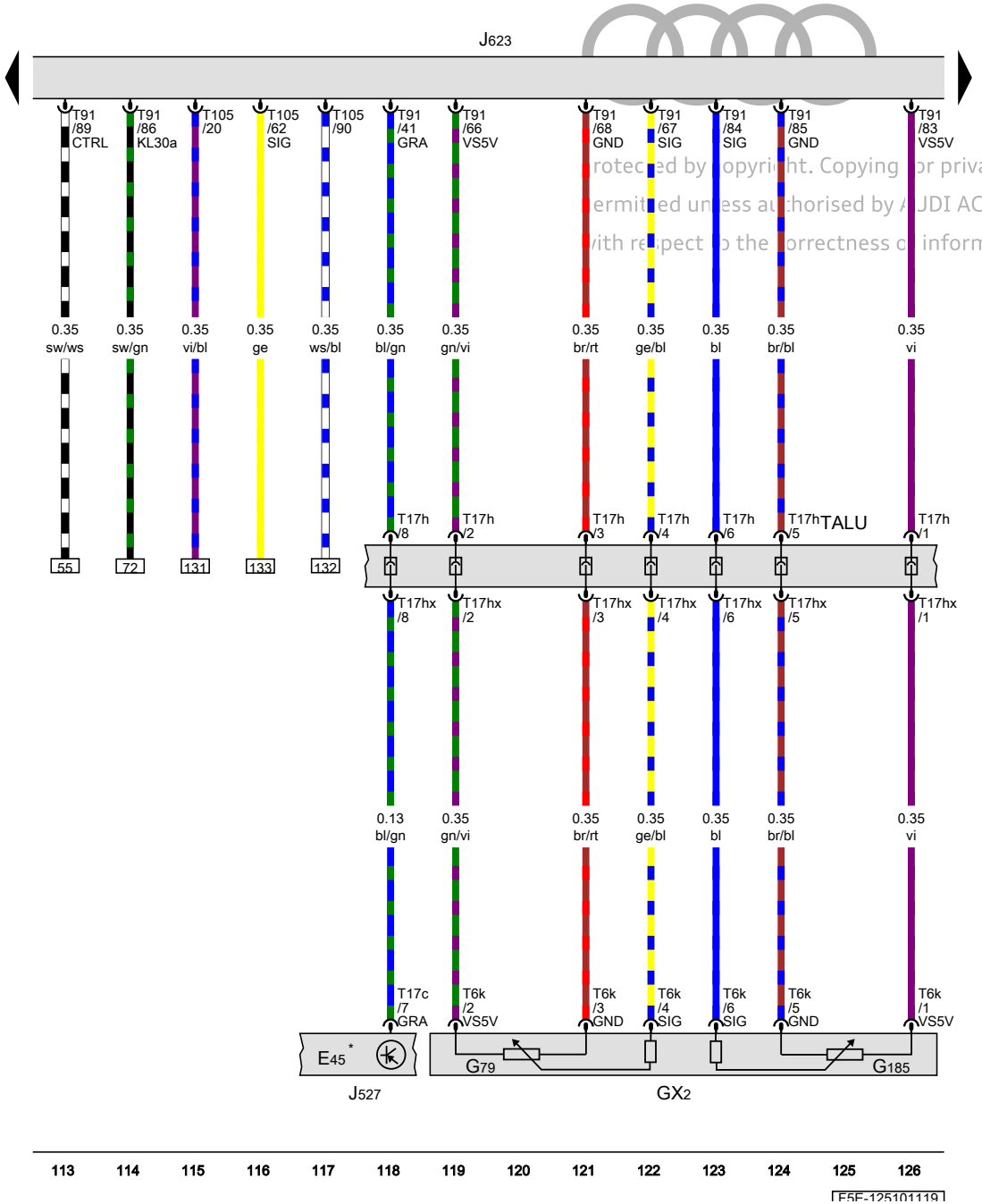
Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve, Continued coolant circulation pump

J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T3un	3-pin connector, black
T91	91-pin connector, black
V51	Continued coolant circulation pump
374	Earth connection 9, in main wiring harness
376	Earth connection 11, in main wiring harness
D110	Connection 8 in engine compartment wiring harness
*	For models with automatic gearbox
*2	For models with manual gearbox



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Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
T105	105-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with cruise control system (CCS)

ws	=	white
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rt	=	red
br	=	brown
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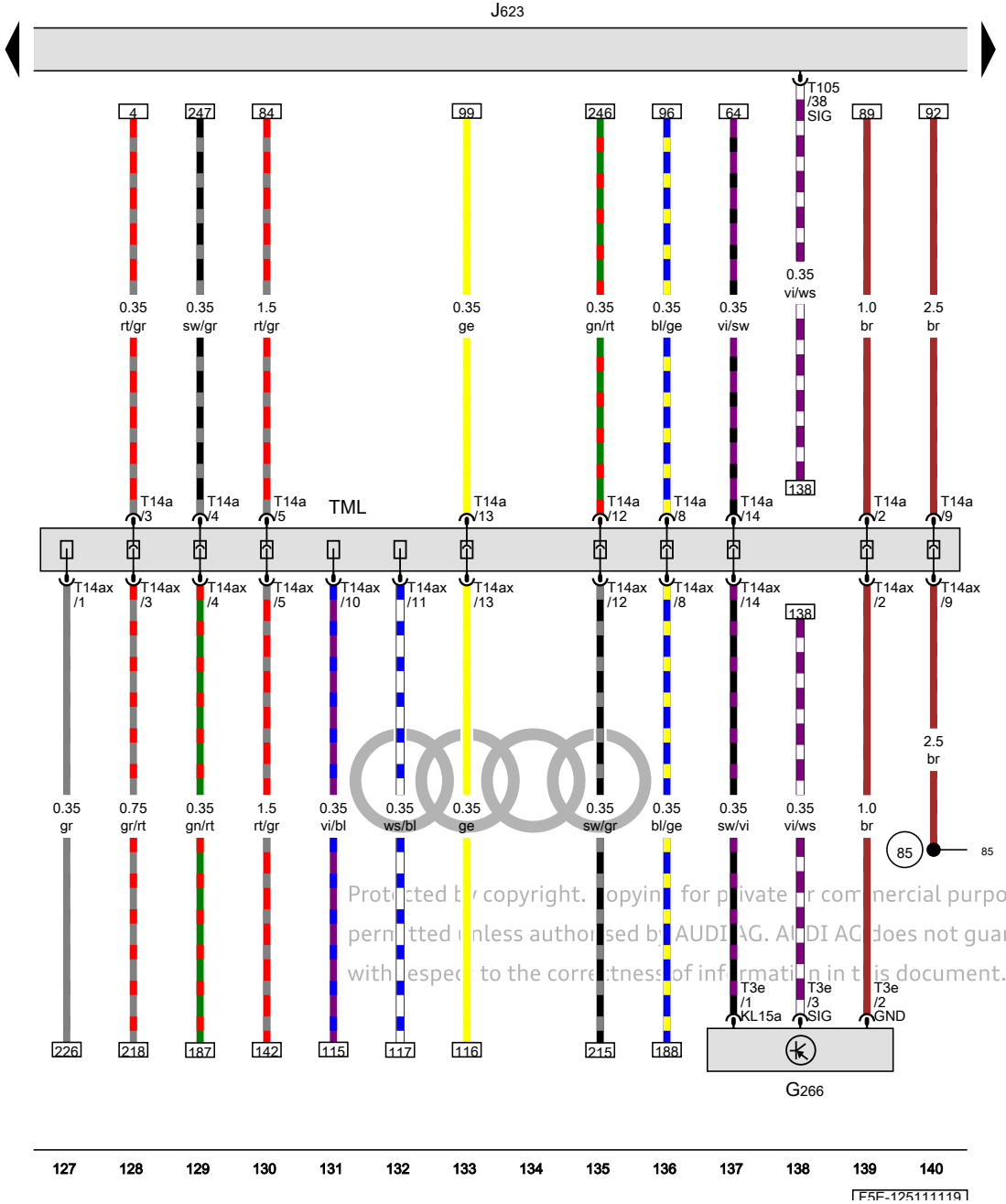

Oil level and oil temperature sender, Engine/motor control unit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
85	Earth connection 1, in engine compartment wiring harness

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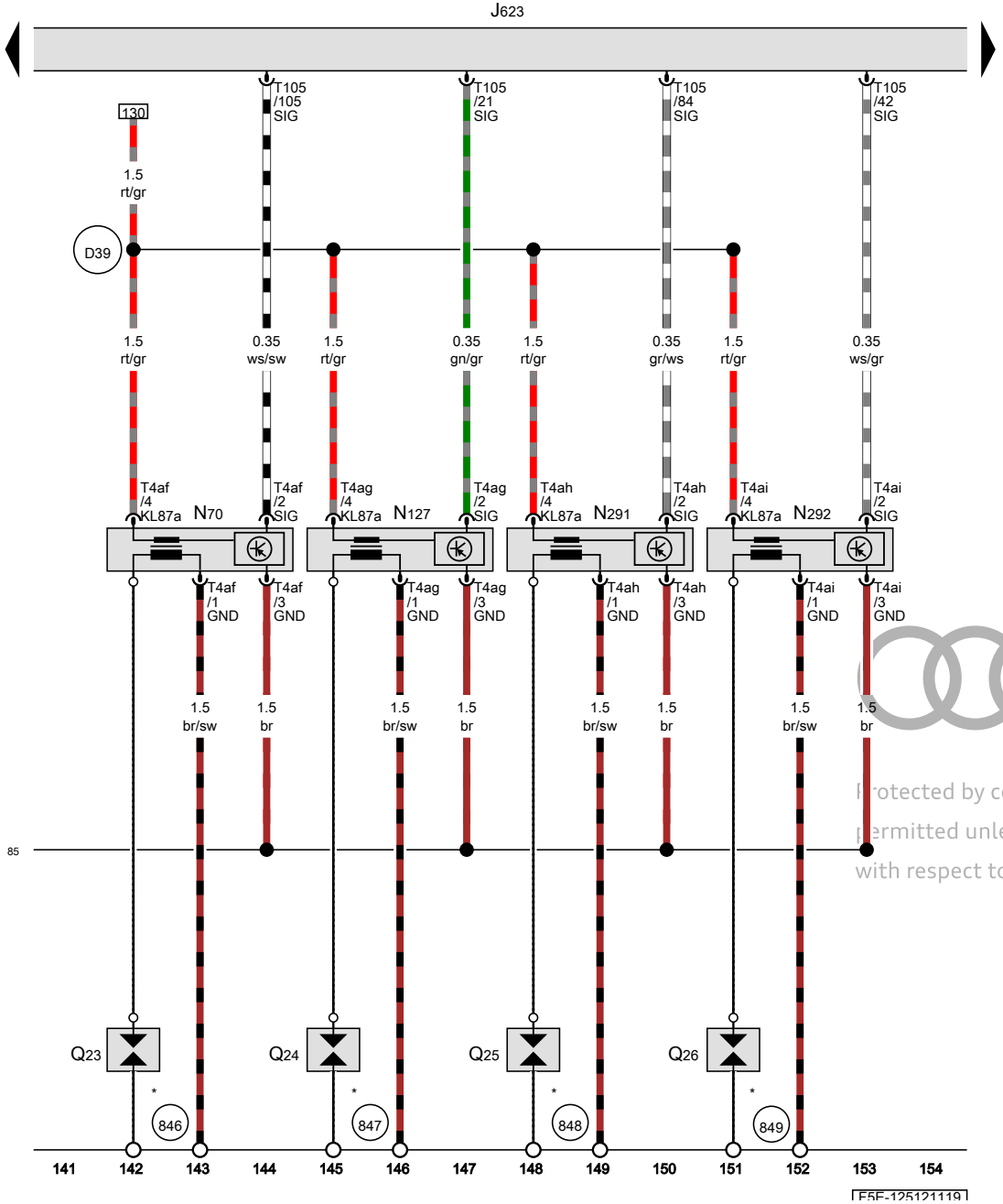

Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing

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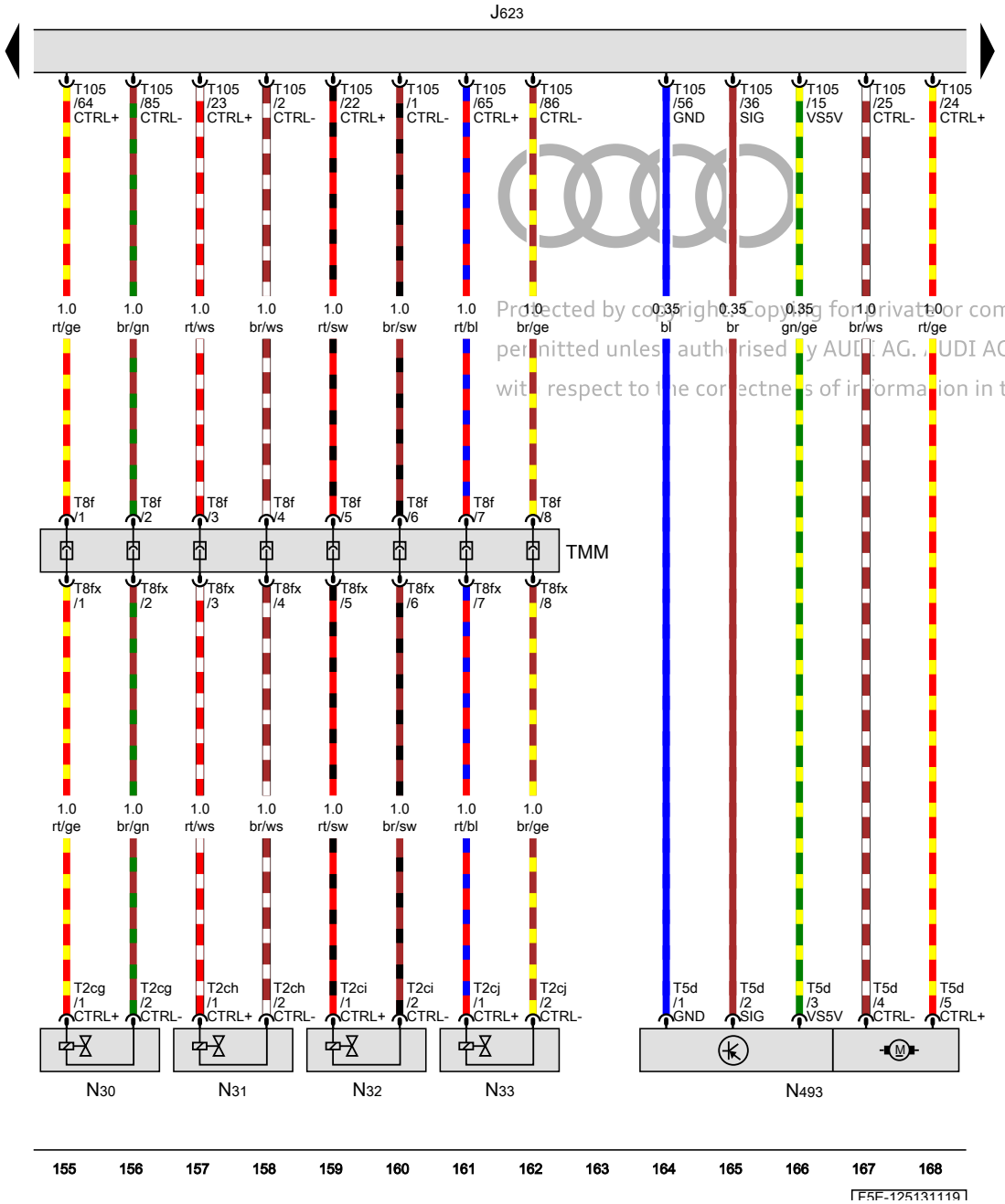

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Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Actuator for engine temperature regulation

J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N493	Actuator for engine temperature regulation
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T5d	5-pin connector, black
T8f	8-pin connector, black
T8fx	8-pin connector, black
T105	105-pin connector, black
TMM	Coupling point in engine compartment, centre

ws	=	white
sw	=	black
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rt	=	red
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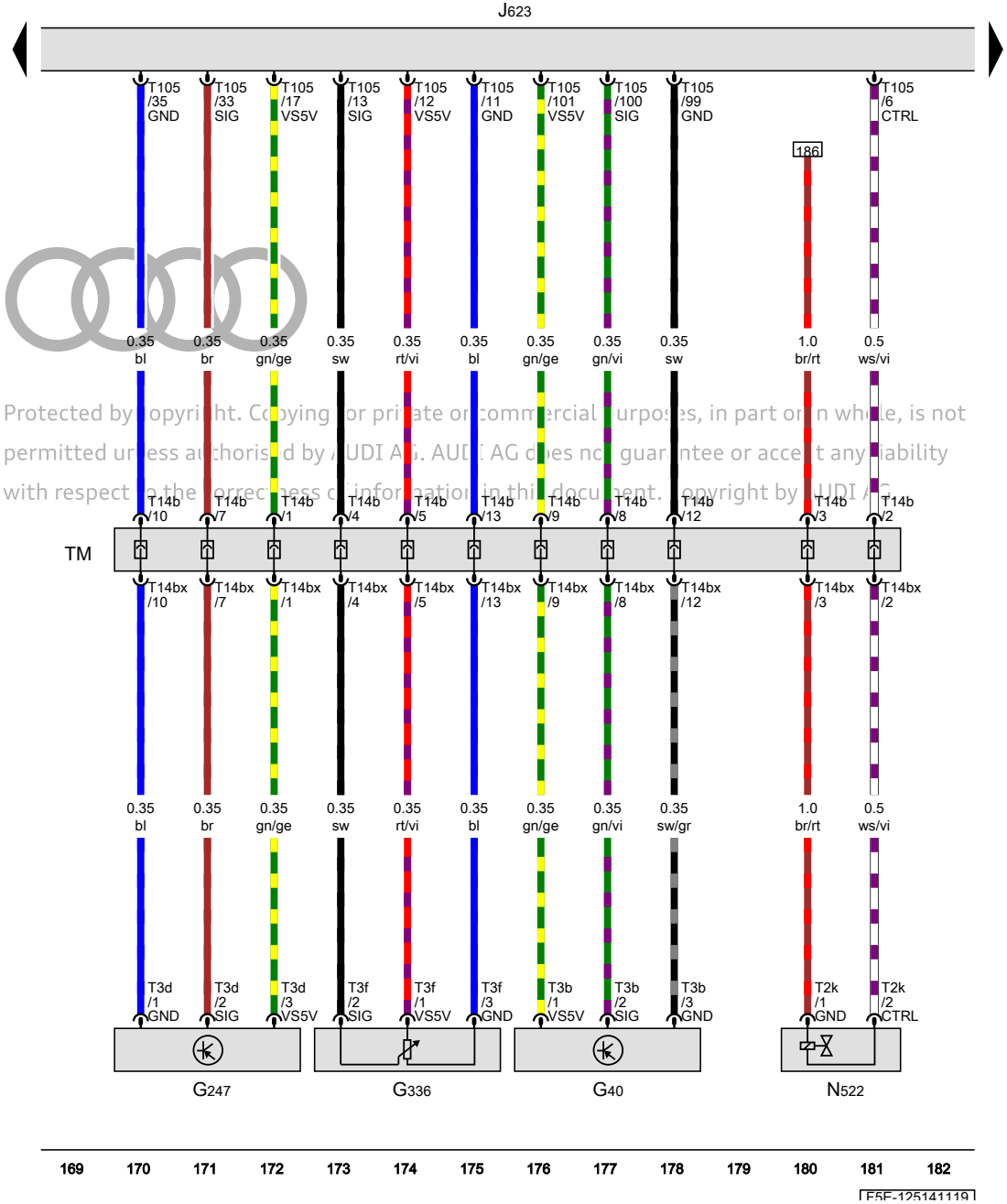

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Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine/motor control unit, Piston cooling jet control valve

G40	Hall sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
J623	Engine/motor control unit, front left in engine compartment
N522	Piston cooling jet control valve
T2k	2-pin connector, black
T3b	3-pin connector, black
T3d	3-pin connector, black
T3f	3-pin connector, black
T14b	14-pin connector, black
T14bx	14-pin connector, black
T105	105-pin connector, black
TM	Coupling point in engine compartment

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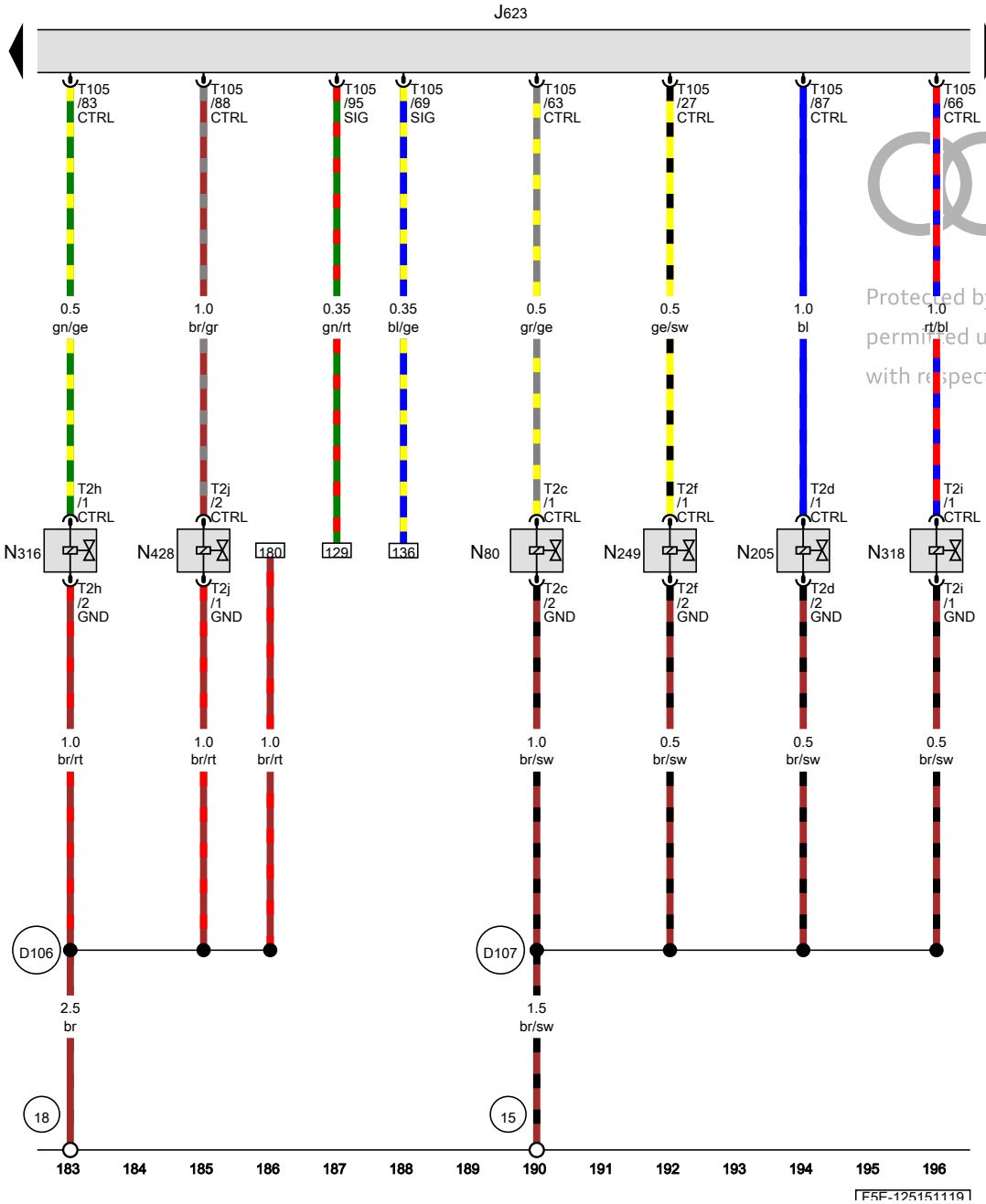

Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control

J623	Engine/motor control unit, front left in engine compartment
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
T2c	2-pin connector, black
T2d	2-pin connector, black
T2f	2-pin connector, brown
T2h	2-pin connector, black
T2i	2-pin connector, black
T2j	2-pin connector, black
T105	105-pin connector, black
15	Earth point, on cylinder head
18	Earth point, on cylinder block
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness

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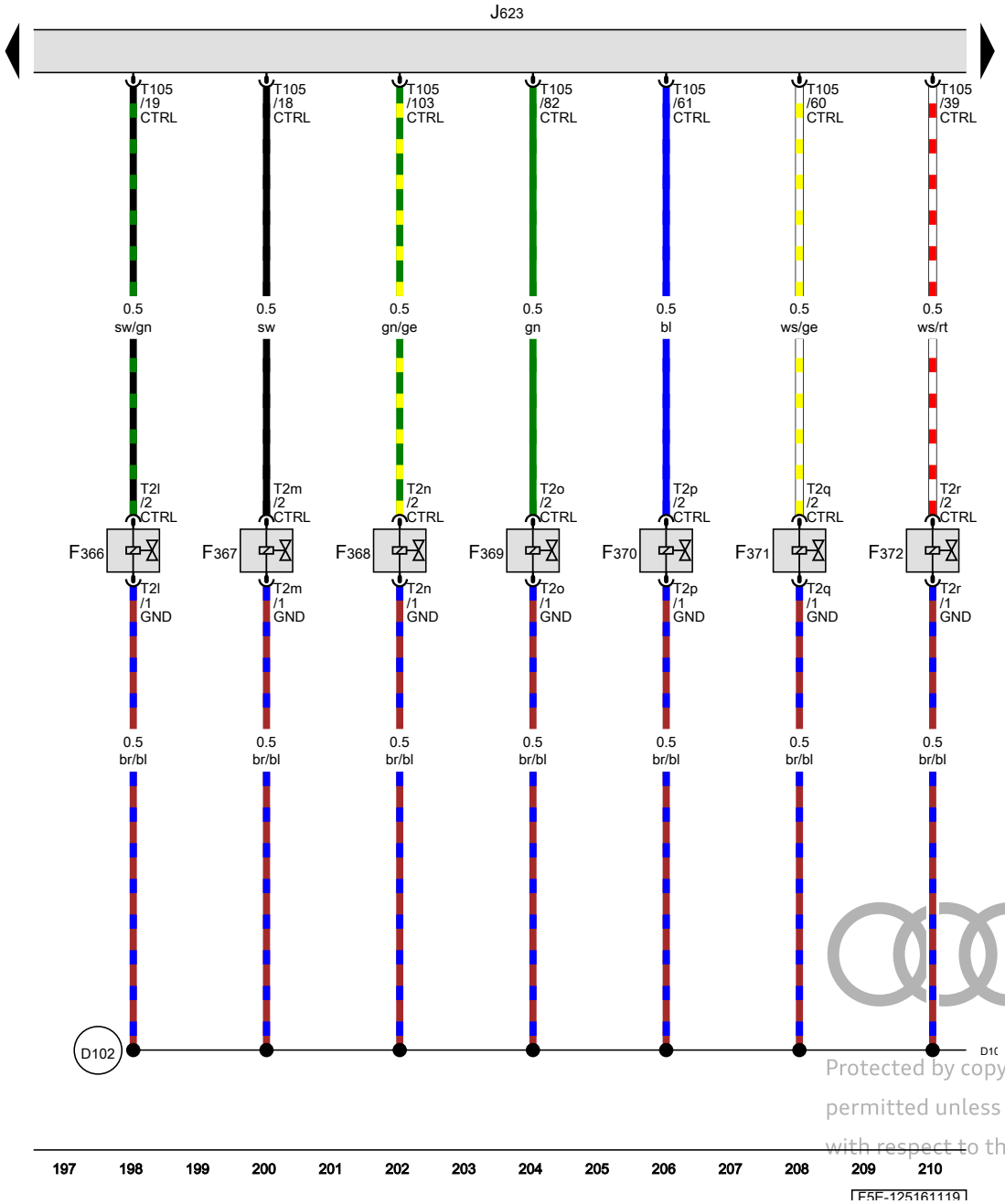

Cam adjustment actuator 1, Cam adjustment actuator 2, Cam adjustment actuator 3, Cam adjustment actuator 4, Cam adjustment actuator 5, Cam adjustment actuator 6, Cam adjustment actuator 7, Engine/motor control unit

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F370	Cam adjustment actuator 5
F371	Cam adjustment actuator 6
F372	Cam adjustment actuator 7
J623	Engine/motor control unit, front left in engine compartment
T2l	2-pin connector, black
T2m	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2p	2-pin connector, black
T2q	2-pin connector, black
T2r	2-pin connector, black
T105	105-pin connector, black
D102	Connection 2 in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
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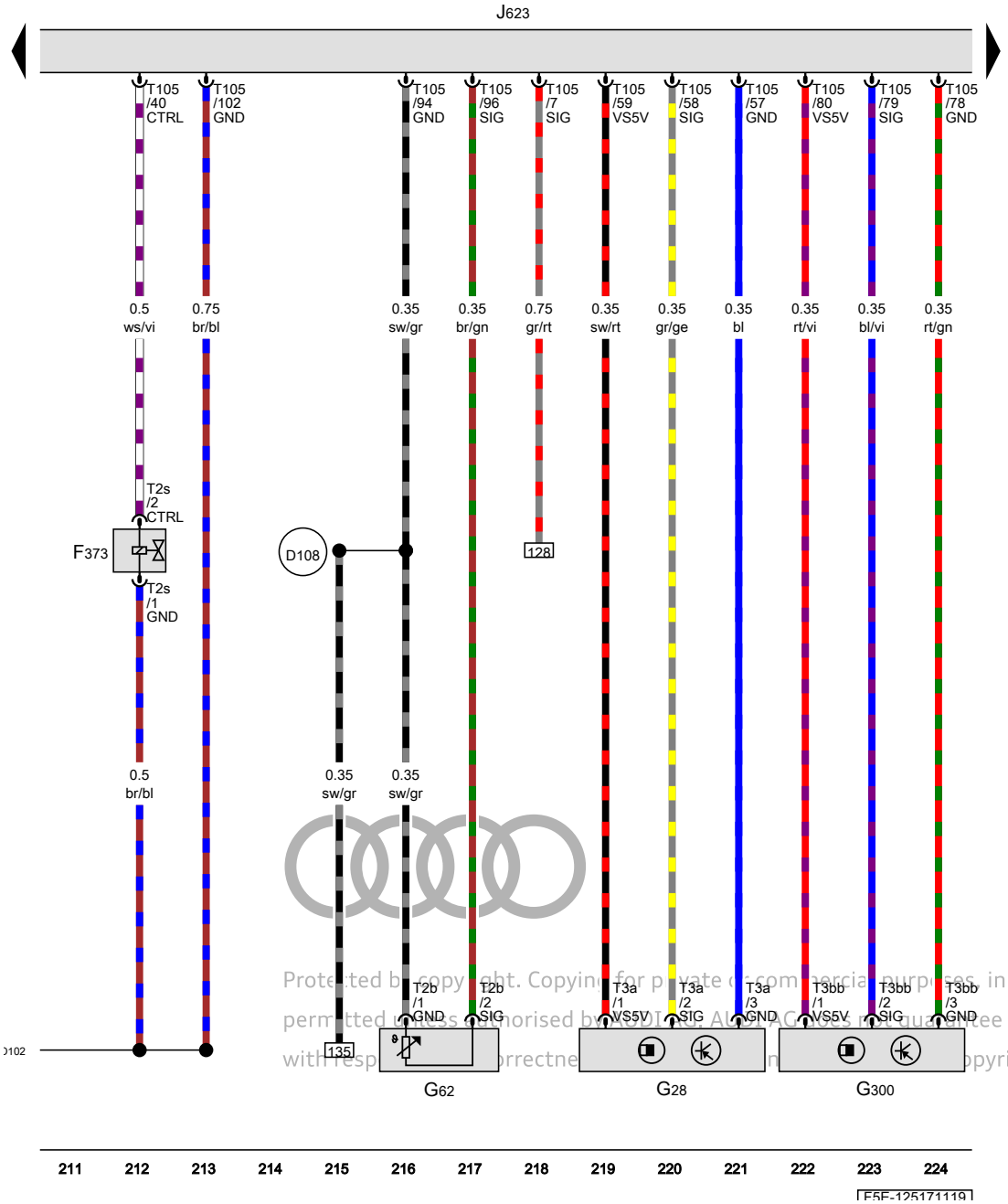

Cam adjustment actuator 8, Engine speed sender, Coolant temperature sender, Hall sender 3, Engine/motor control unit

F373	Cam adjustment actuator 8
G28	Engine speed sender
G62	Coolant temperature sender
G300	Hall sender 3
J623	Engine/motor control unit, front left in engine compartment
T2b	2-pin connector, black
T2s	2-pin connector, black
T3a	3-pin connector, black
T3bb	3-pin connector, black
T105	105-pin connector, black
D102	Connection 2 in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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gn	=	green
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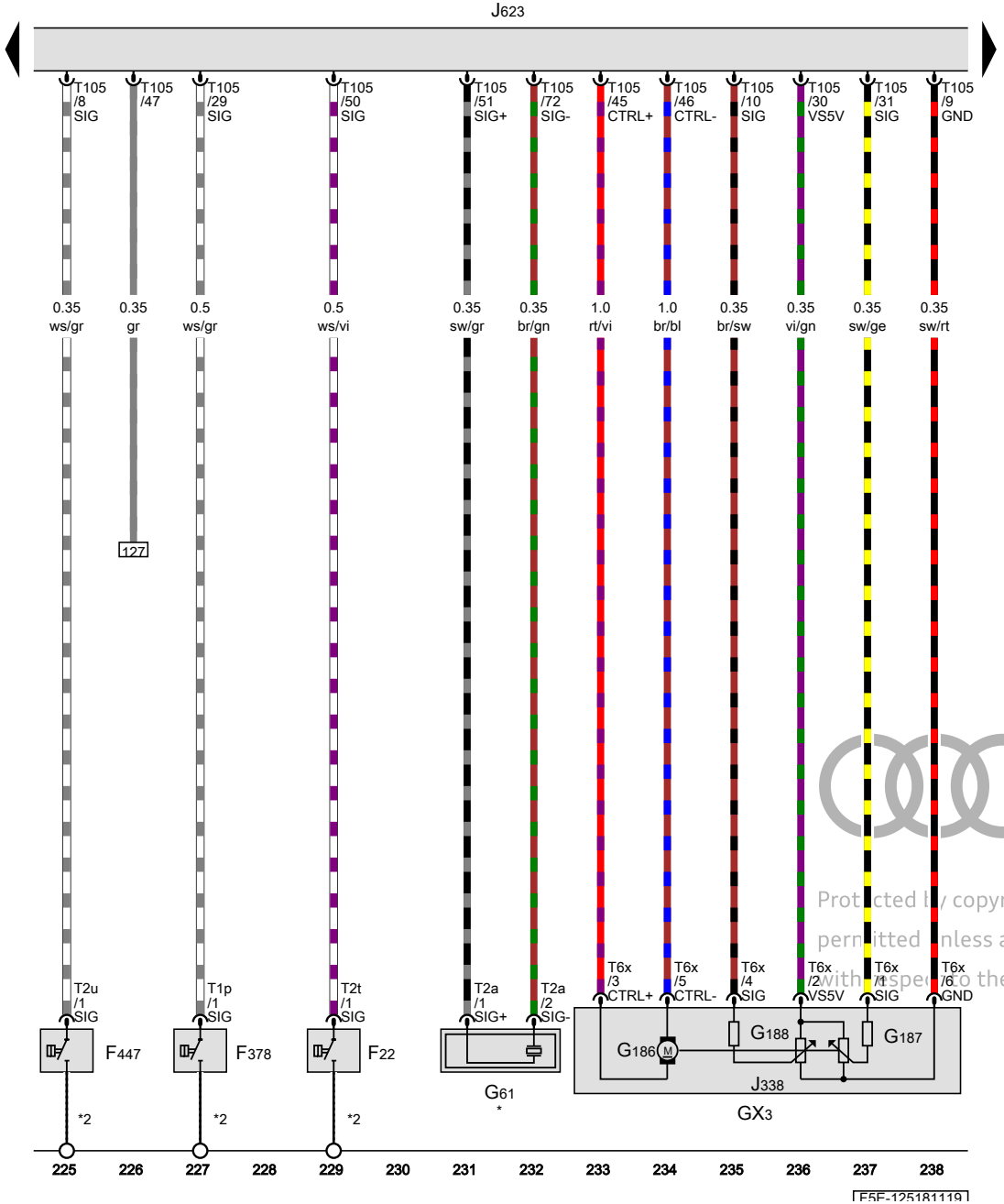

Oil pressure switch, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Throttle valve module, Knock sensor 1, Engine/motor control unit

F22	Oil pressure switch
F378	Oil pressure switch for reduced oil pressure
F447	Stage 3 oil pressure switch
GX3	Throttle valve module
G61	Knock sensor 1
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T1p	1-pin connector, black
T2a	2-pin connector, black
T2t	2-pin connector, black
T2u	2-pin connector, black
T6x	6-pin connector, black
T105	105-pin connector, black
*	Pre-wired component
*2	Earth supply via housing

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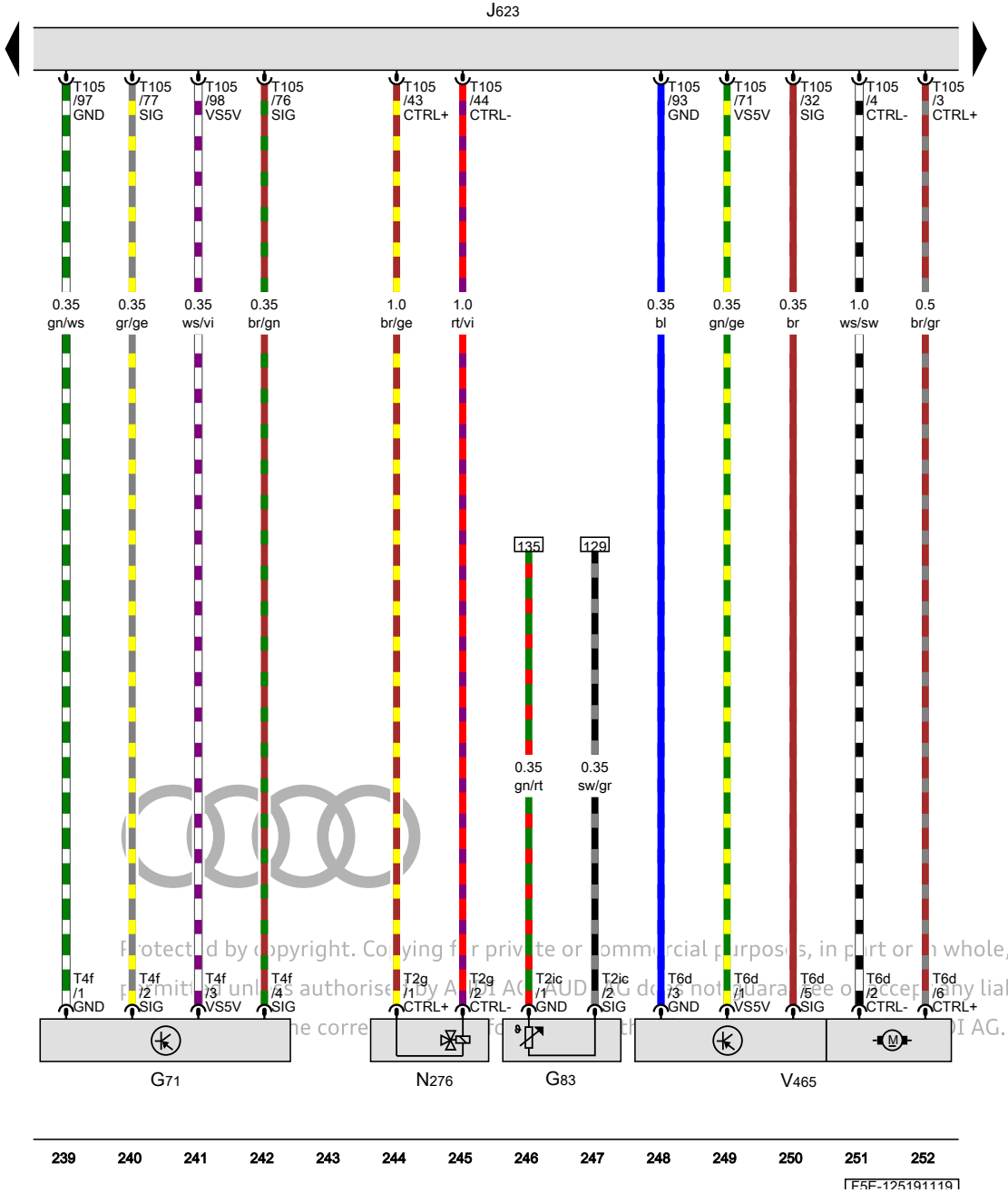

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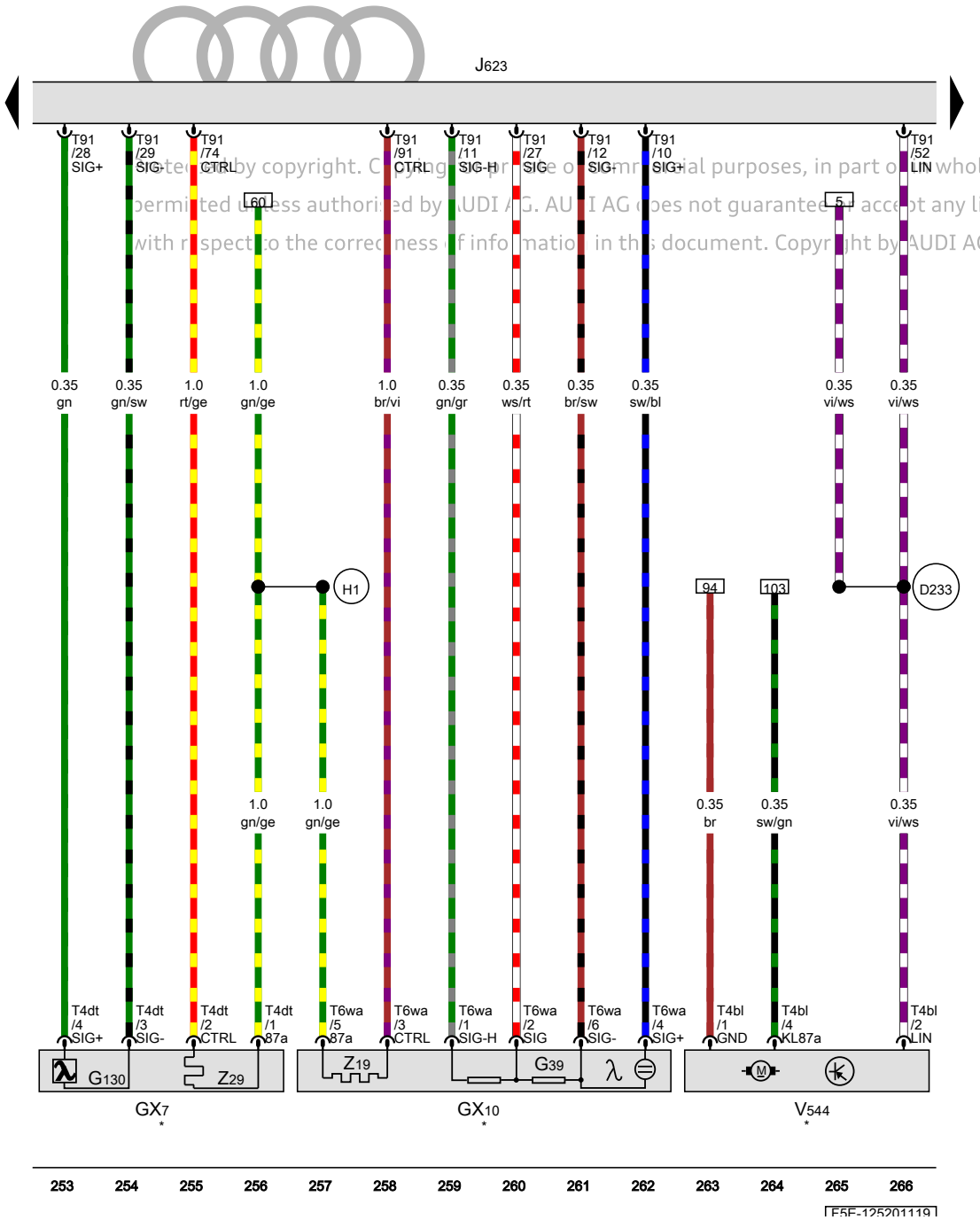
Intake manifold pressure sender, Radiator outlet coolant temperature sender, Engine/motor control unit, Fuel pressure regulating valve, Charge pressure positioner

G71	Intake manifold pressure sender
G83	Radiator outlet coolant temperature sender
J623	Engine/motor control unit, front left in engine compartment
N276	Fuel pressure regulating valve
T2g	2-pin connector, black
T2ic	2-pin connector, black
T4f	4-pin connector, black
T6d	6-pin connector, black
T105	105-pin connector, black
V465	Charge pressure positioner



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Radiator blind control motor, Lambda probe 1 heater after catalytic converter

GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine/motor control unit, front left in engine compartment
T4bl	4-pin connector, black
T4dt	4-pin connector, black
T6wa	6-pin connector, black
T91	91-pin connector, black
V544	Radiator blind control motor
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
D233	Connection 2 (LIN bus) in engine compartment wiring harness
H1	Positive connection, in Lambda wiring harness
*	Pre-wired component

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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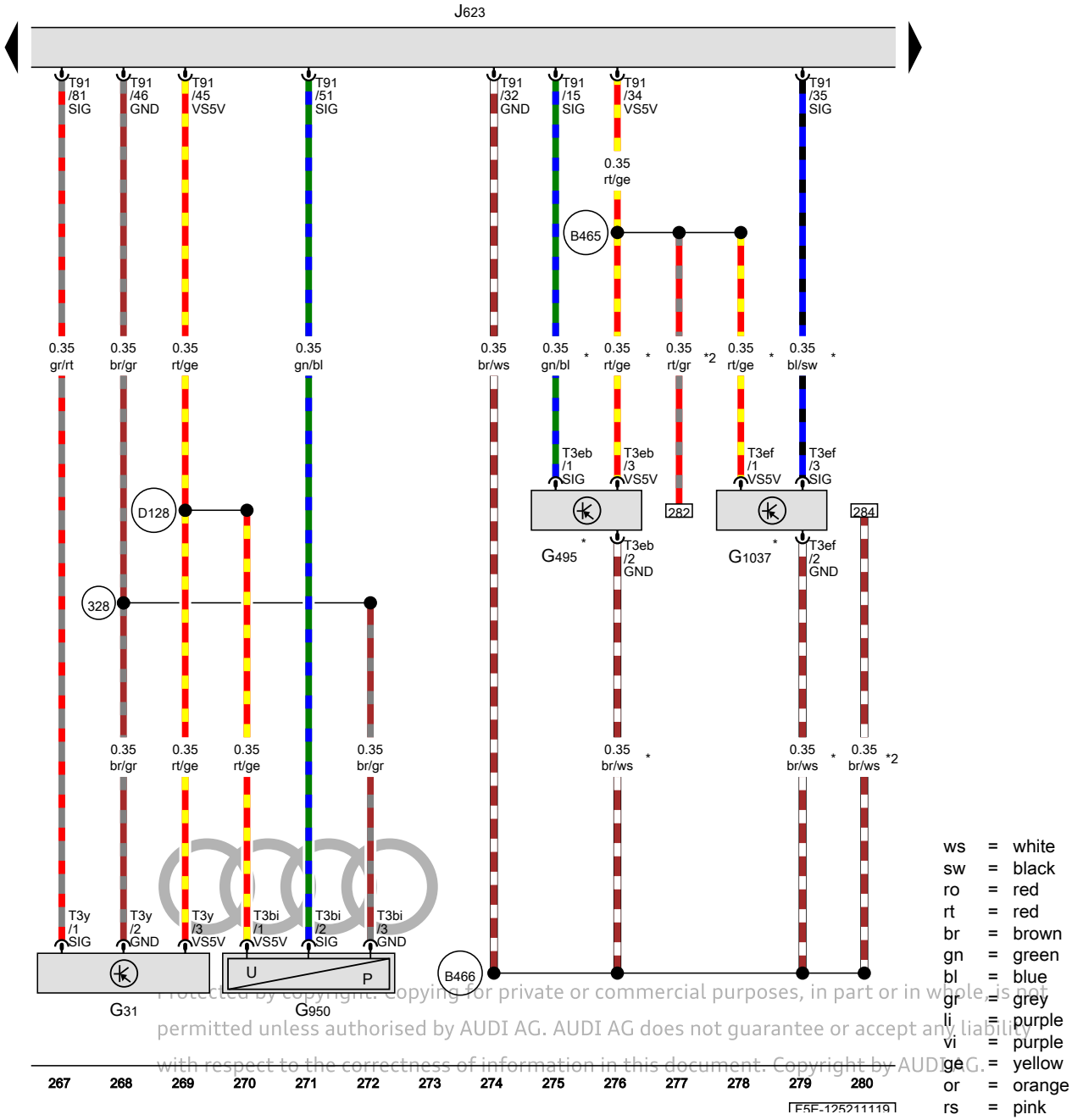

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

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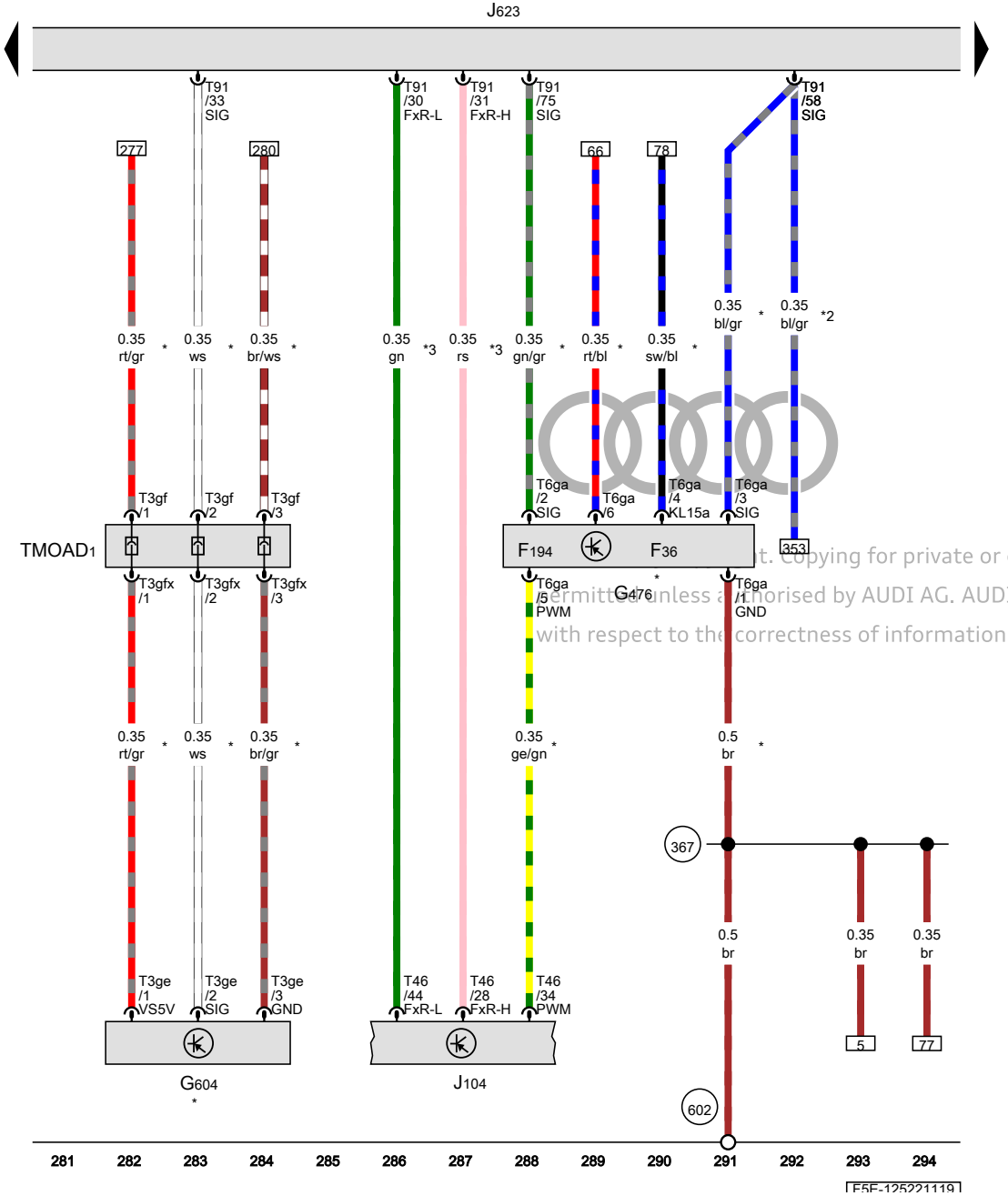
Charge pressure sender, Tank breather pressure sensor 1, Pressure differential sender for particulate filter, Engine/ motor control unit

G31	Charge pressure sender
G495	Exhaust gas temperature sender 3
G950	Tank breather pressure sensor 1
G1037	Pressure differential sender for particulate filter
J623	Engine/motor control unit, front left in engine compartment
T3bi	3-pin connector, black
T3eb	3-pin connector, black
T3ef	3-pin connector, black
T3y	3-pin connector
T91	91-pin connector, black
328	Earth connection 2 (sender earth), in engine compartment wiring harness
B465	Connection 1, in main wiring harness
B466	Connection 2, in main wiring harness
D128	Connection 26 in engine compartment wiring harness
*	Not for American markets
*2	For models with manual gearbox



Clutch pedal switch, Clutch pedal switch for engine start, Clutch position sender, Gear detection sensor, Engine/ motor control unit

F36	Clutch pedal switch
F194	Clutch pedal switch for engine start
G476	Clutch position sender
G604	Gear detection sensor
J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
T3ge	3-pin connector, black, brown
T3gf	3-pin connector, black
T3gfx	3-pin connector, black
T6ga	6-pin connector, black
TMOAD1	Coupling point 1 for engine prewiring harness, adapter wire
T46	46-pin connector, black
T91	91-pin connector, black
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell
*	For models with manual gearbox
*2	For models with automatic gearbox
*3	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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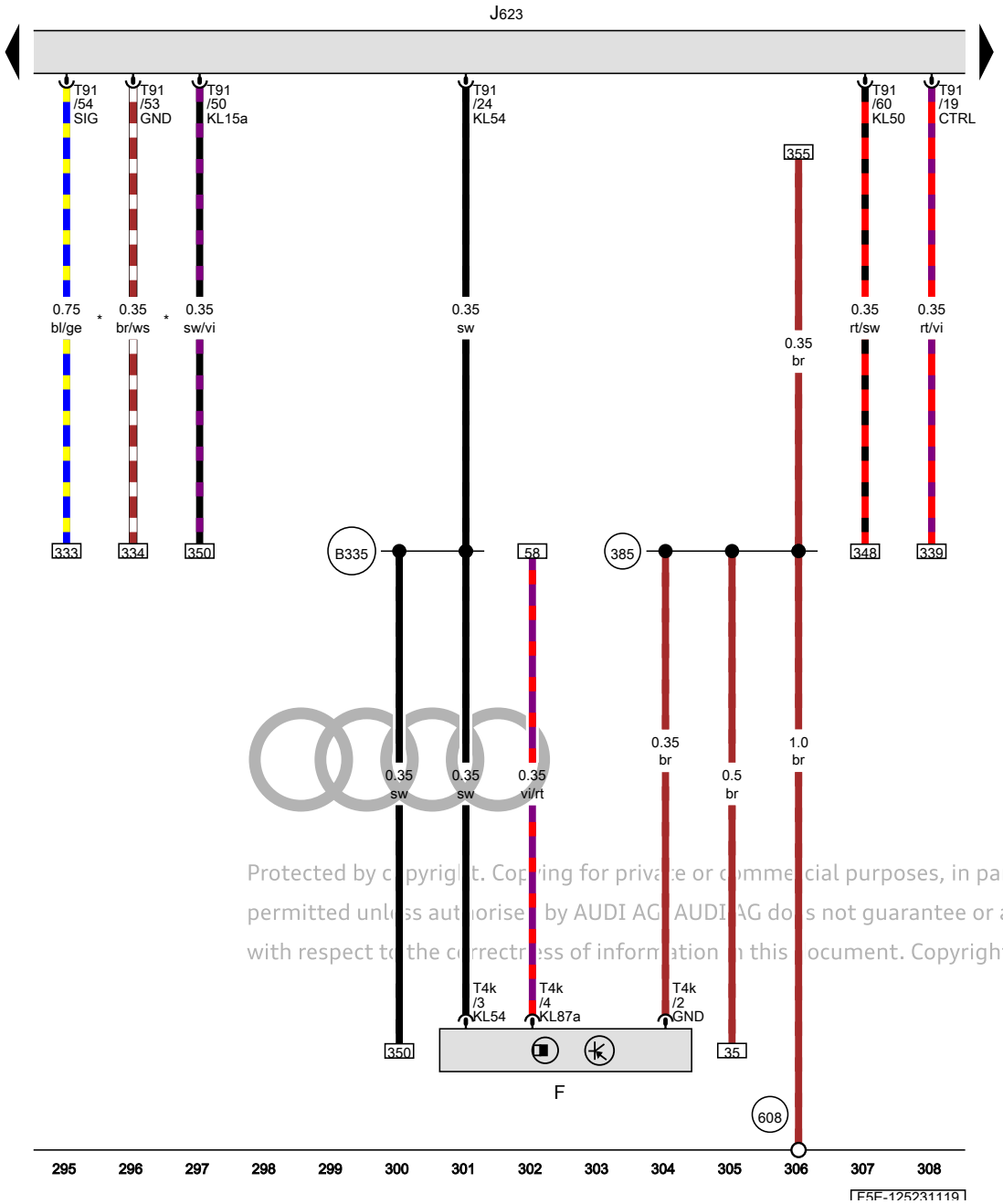

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Brake light switch, Engine/motor control unit

F	Brake light switch, on brake servo
J623	Engine/motor control unit, front left in engine compartment
T4k	4-pin connector, black
T91	91-pin connector, black
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
*	Not for emission standard Euro 6 AP

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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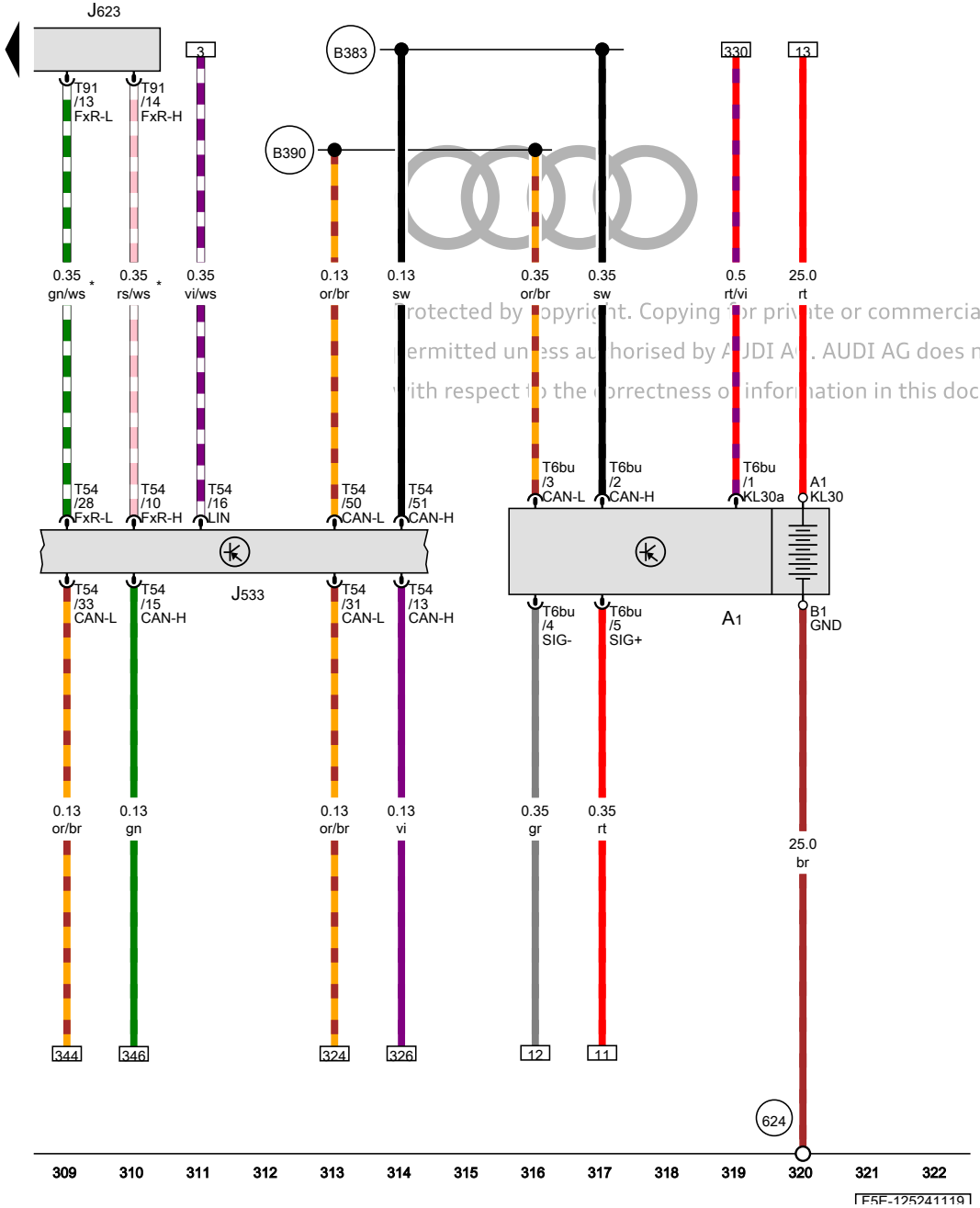

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Second battery, Data bus diagnostic interface, Engine/ motor control unit

A1	Second battery
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
T6bu	6-pin connector, black
T54	54-pin connector, black
T91	91-pin connector, black
624	Earth point, starter battery
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Data bus wire (FlexRay bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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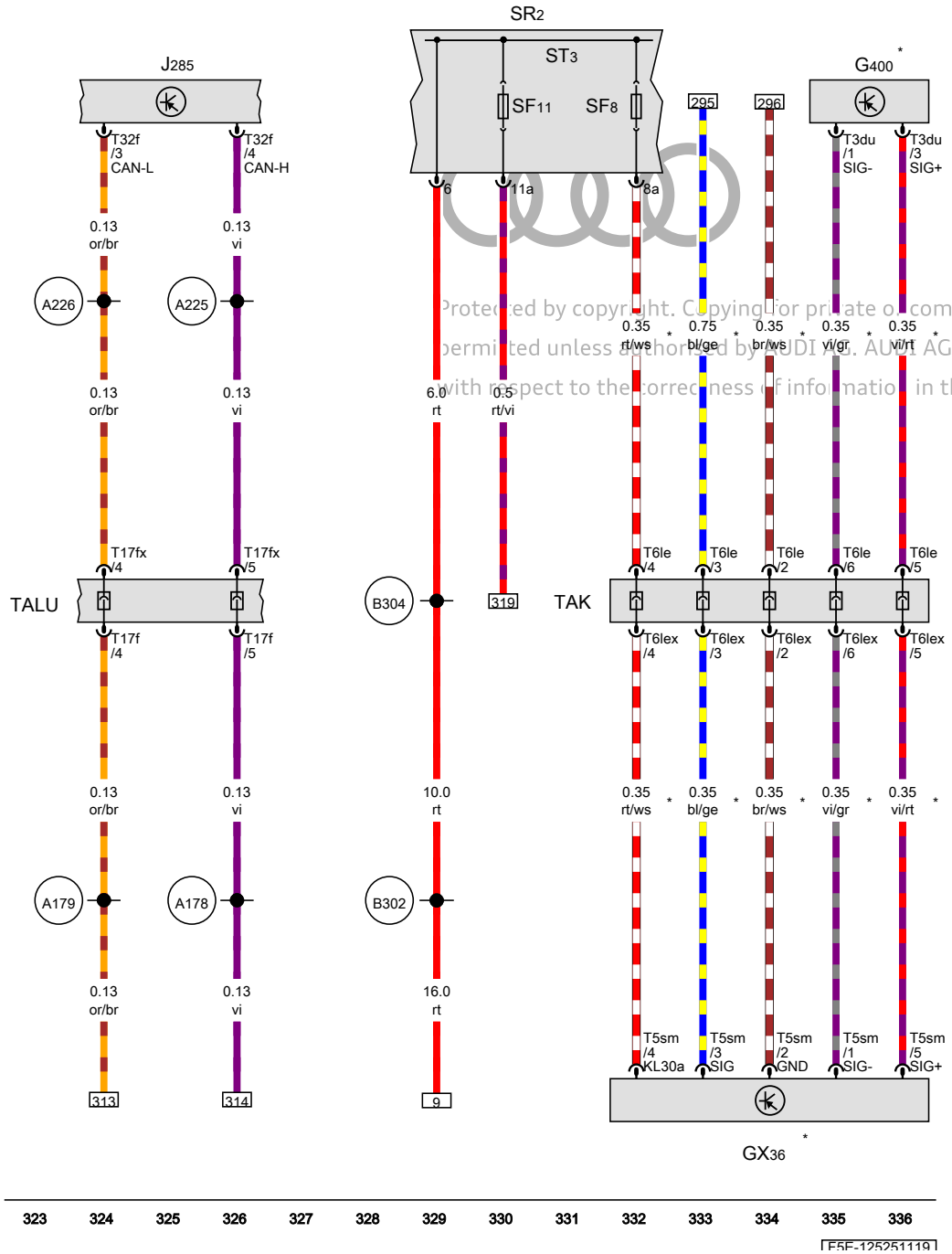

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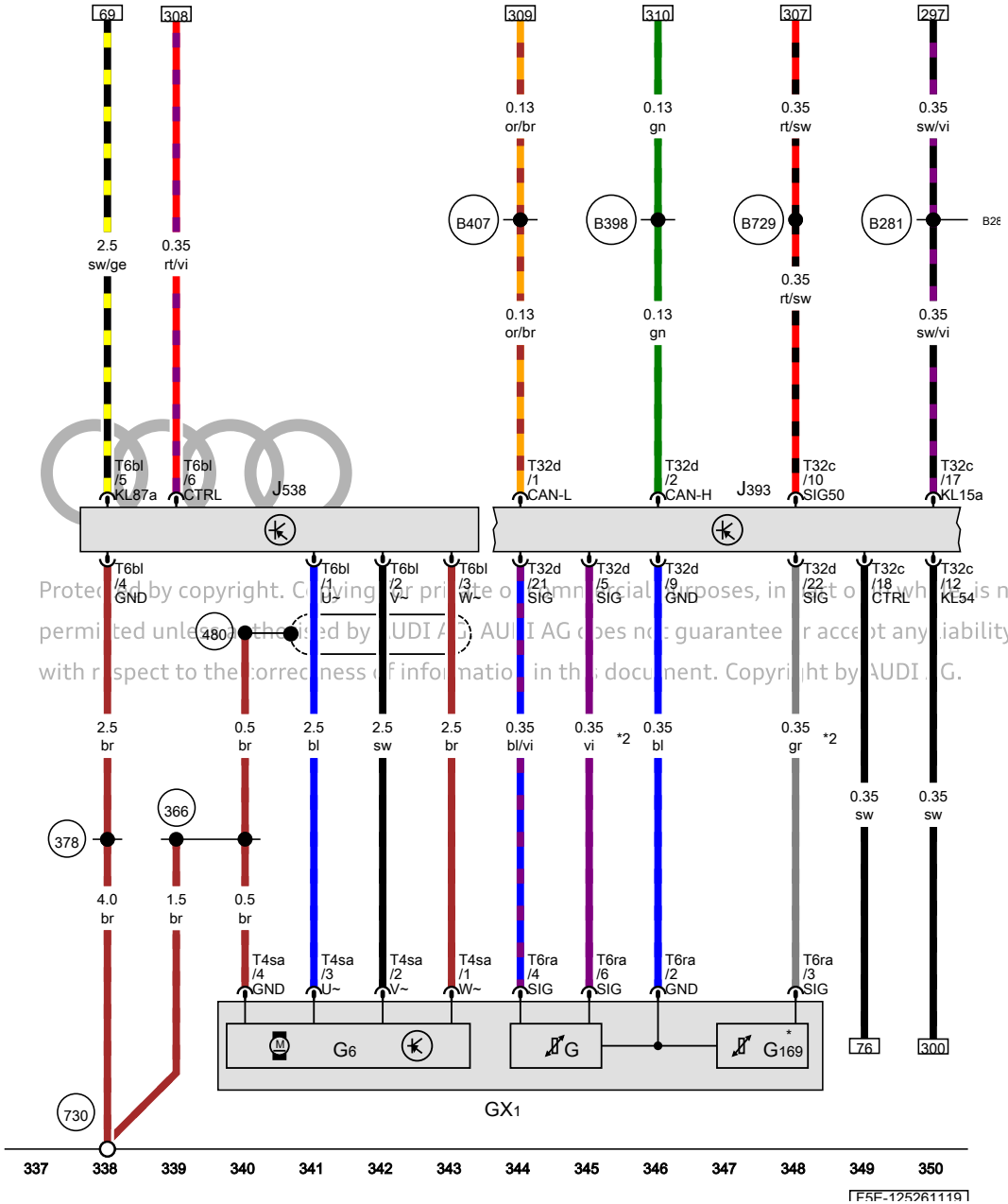
Fuel tank leak detection module, Tank pressure sensor, Control unit in dash panel insert, Relay and fuse carrier 2

GX36	Fuel tank leak detection module, near fuel tank
G400	Tank pressure sensor, near fuel tank
J285	Control unit in dash panel insert
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
ST3	Fuse carrier 3, brown
SF8	Fuse 8 in fuse holder F
SF11	Fuse 11 in fuse holder F
T3du	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
TAK	Coupling point for fuel tank, near fuel tank
TALU	Coupling point on left A-pillar, bottom
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	Not for emission standard Euro 6 AP



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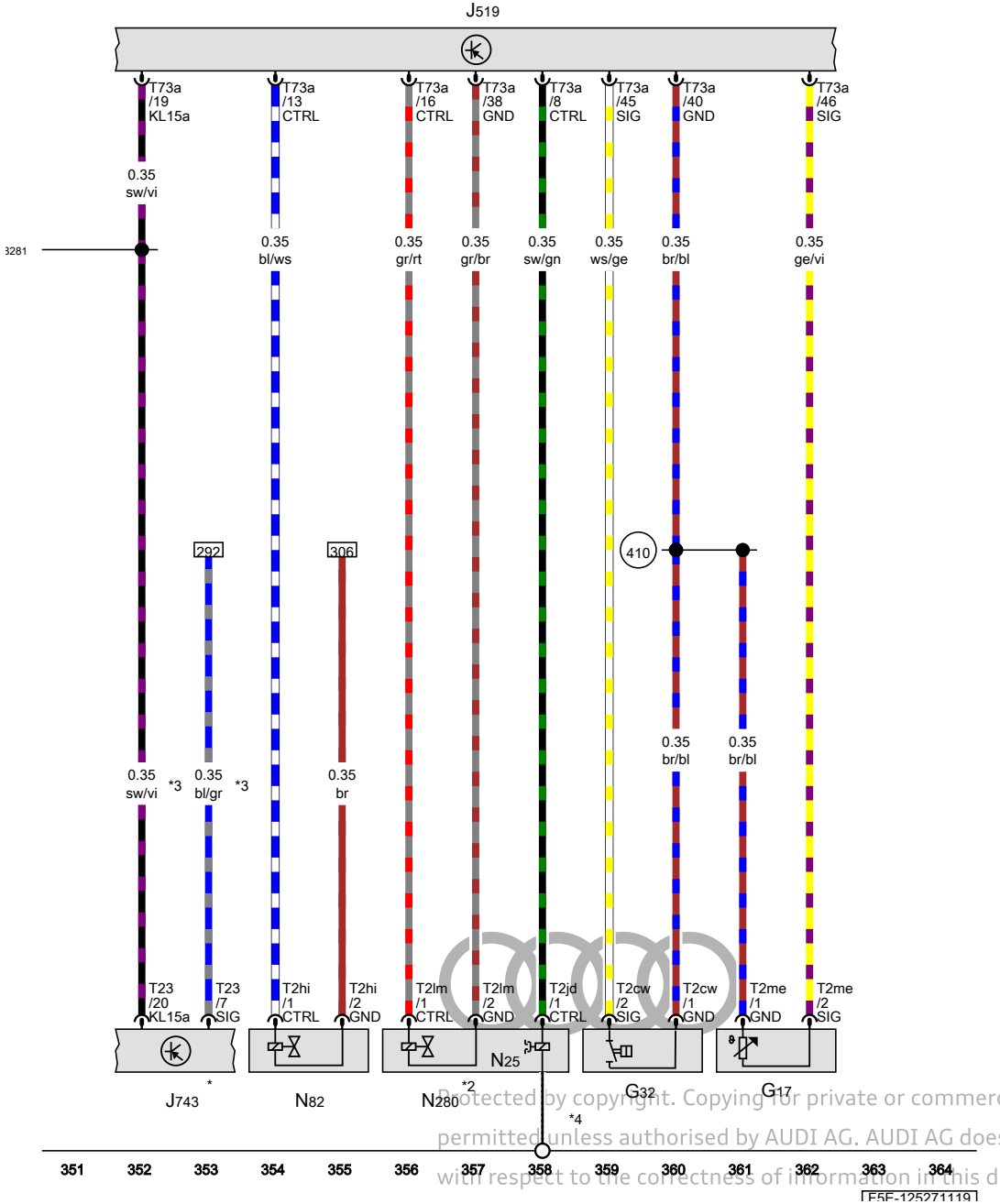
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Fuel delivery unit, Convenience system central control unit, Fuel pump control unit

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	According to equipment



Ambient temperature sensor, Coolant shortage indicator sender, Onboard supply control unit, Mechatronic unit for dual clutch gearbox, Coolant shut-off valve, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
J519	Onboard supply control unit
J743	Mechatronic unit for dual clutch gearbox
N25	Air conditioning system magnetic clutch
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T2jd	2-pin connector, brown
T2lm	2-pin connector, black
T2me	2-pin connector, black
T23	23-pin connector, black
T73a	73-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	Pre-wired component
*3	For models with automatic gearbox
*4	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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2.0l petrol engine , DMTA,DPAA

From January 2020

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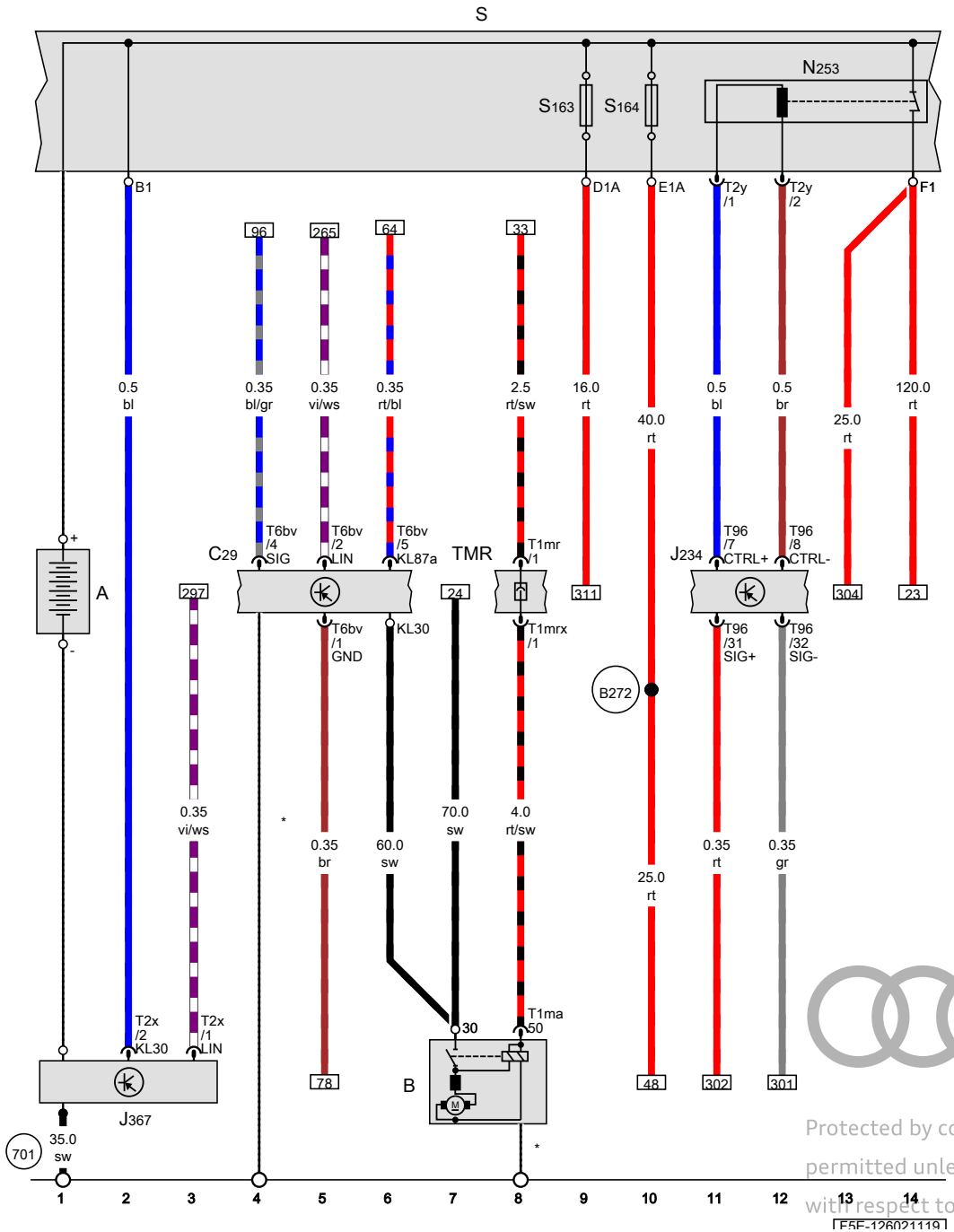

Battery, Starter, Starter-alternator, Fuses in fuse holder, Coupling point in engine compartment, right

A	Battery, in luggage compartment
B	Starter
C29	Starter-alternator
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S	Fuses in fuse holder, on fuse holder, battery
S163	Fuse 2 (30), in battery fuse holder
S164	Fuse 3 (30), in battery fuse holder
T1ma	1-pin connector, black
T1mr	1-pin connector, black
T1mrx	1-pin connector, black
T2x	2-pin connector, black
T2y	2-pin connector, yellow
T6bv	6-pin connector, black
T96	96-pin connector, yellow
TMR	Coupling point in engine compartment, right
701	Earth point in luggage compartment
B272	Positive connection (30), in main wiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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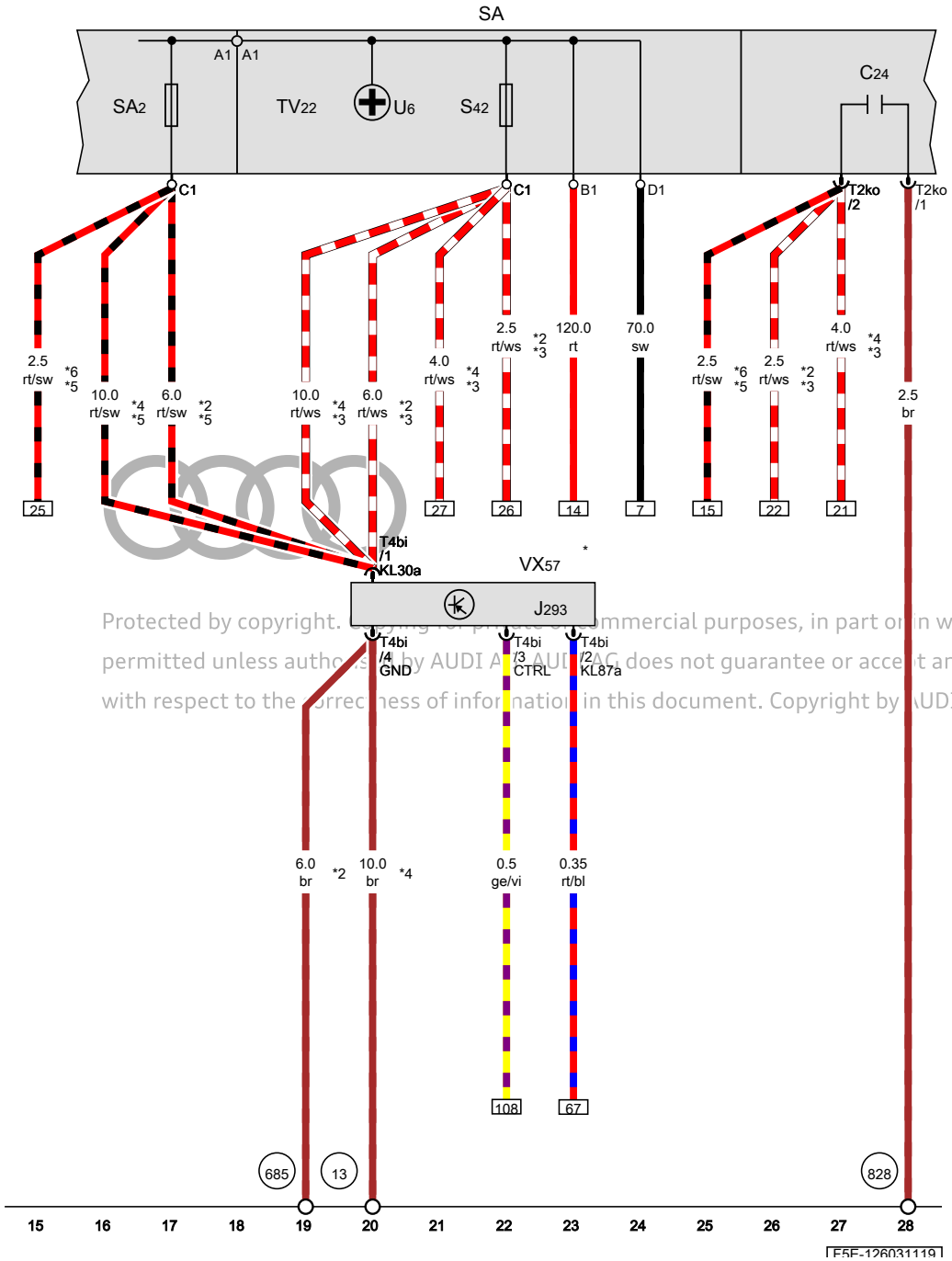

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Fuse holder A, Jump start socket, Radiator fan

C24	Suppression filter
J293	Radiator fan control unit
S42	Radiator fan single fuse
SA	Fuse holder A, front right in engine compartment
SA2	Fuse 2 on fuse holder A
T2ko	2-pin connector, black
T4bi	4-pin connector, black
TV22	Terminal 30 wiring junction 2
U6	Jump start socket
VX57	Radiator fan
13	Earth point, on right in engine compartment
685	Earth point 1, on front of right longitudinal member
828	Earth point on right suspension turret
*	Pre-wired component
*2	For models with low fan output
*3	Not for American markets
*4	For models with increased fan output
*5	For American markets
*6	Cross-section 4.0 possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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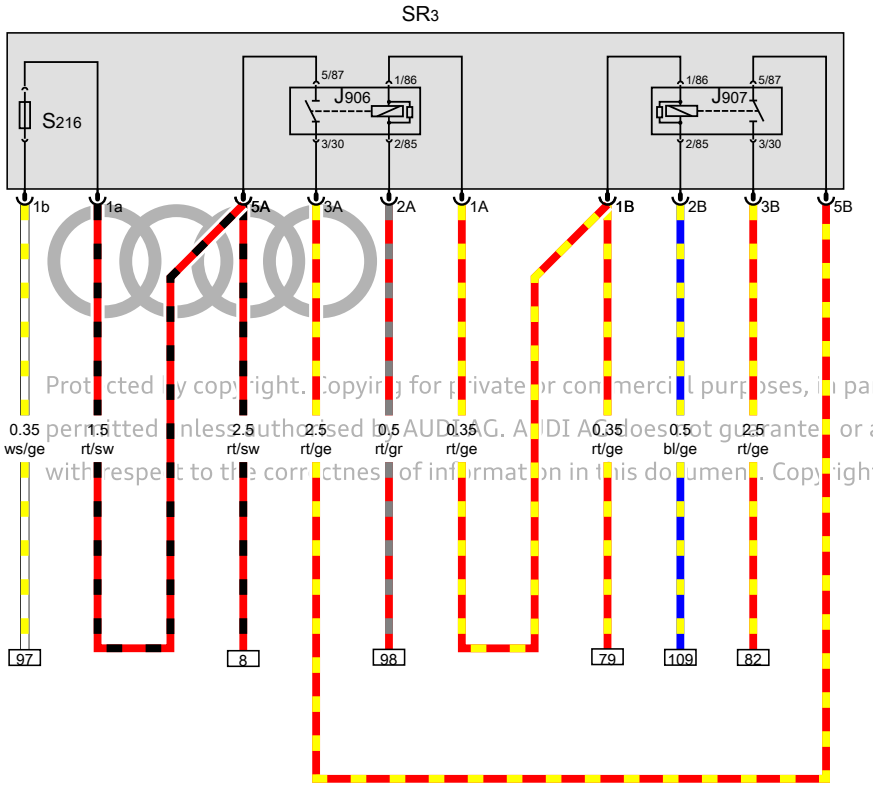
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Starter relay 1, Starter relay 2, Relay and fuse carrier 3, Fuse (50)

J906	Starter relay 1, central in plenum chamber
J907	Starter relay 2, central in plenum chamber
SR3	Relay and fuse carrier 3, central in plenum chamber
S216	Fuse (50), central in plenum chamber

29 30 31 32 33 34 35 36 37 38 39 40 41 42

F5F-126041119

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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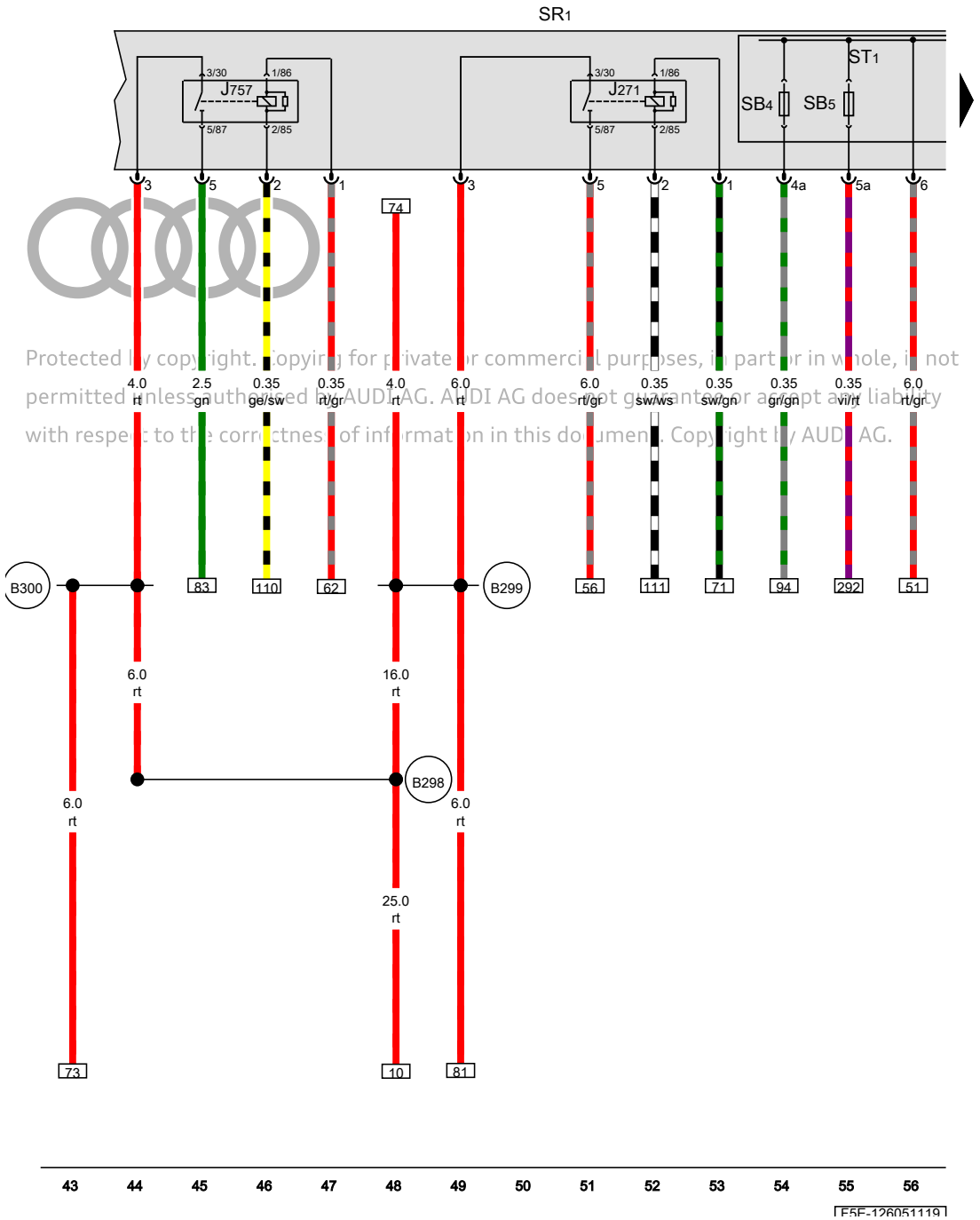
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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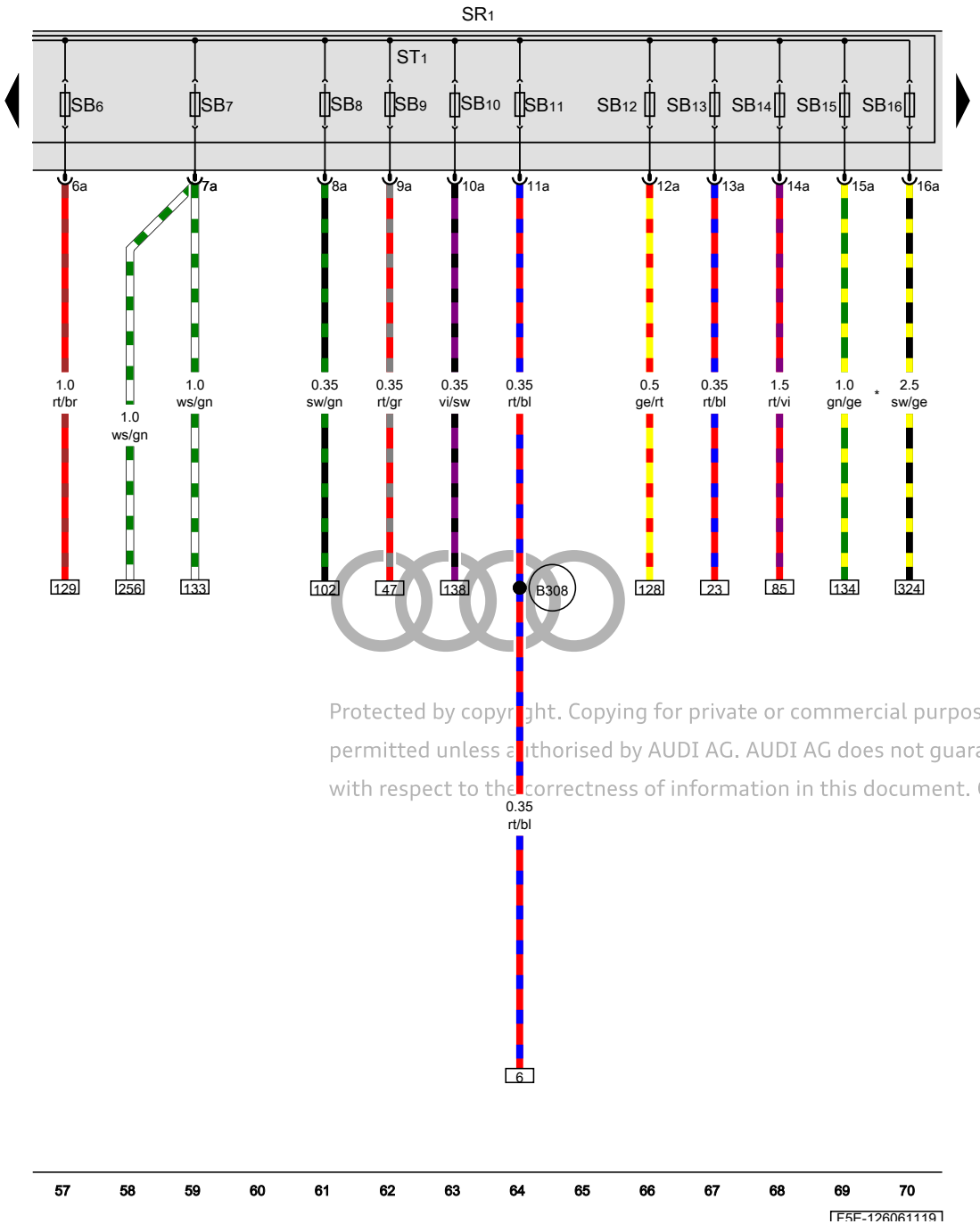
Main relay, Engine component current supply relay, Relay and fuse carrier 1

J271	Main relay, on relay carrier, lower part of A-pillar, driver side, brown
J757	Engine component current supply relay, on relay carrier, lower part of A-pillar, driver side, red
ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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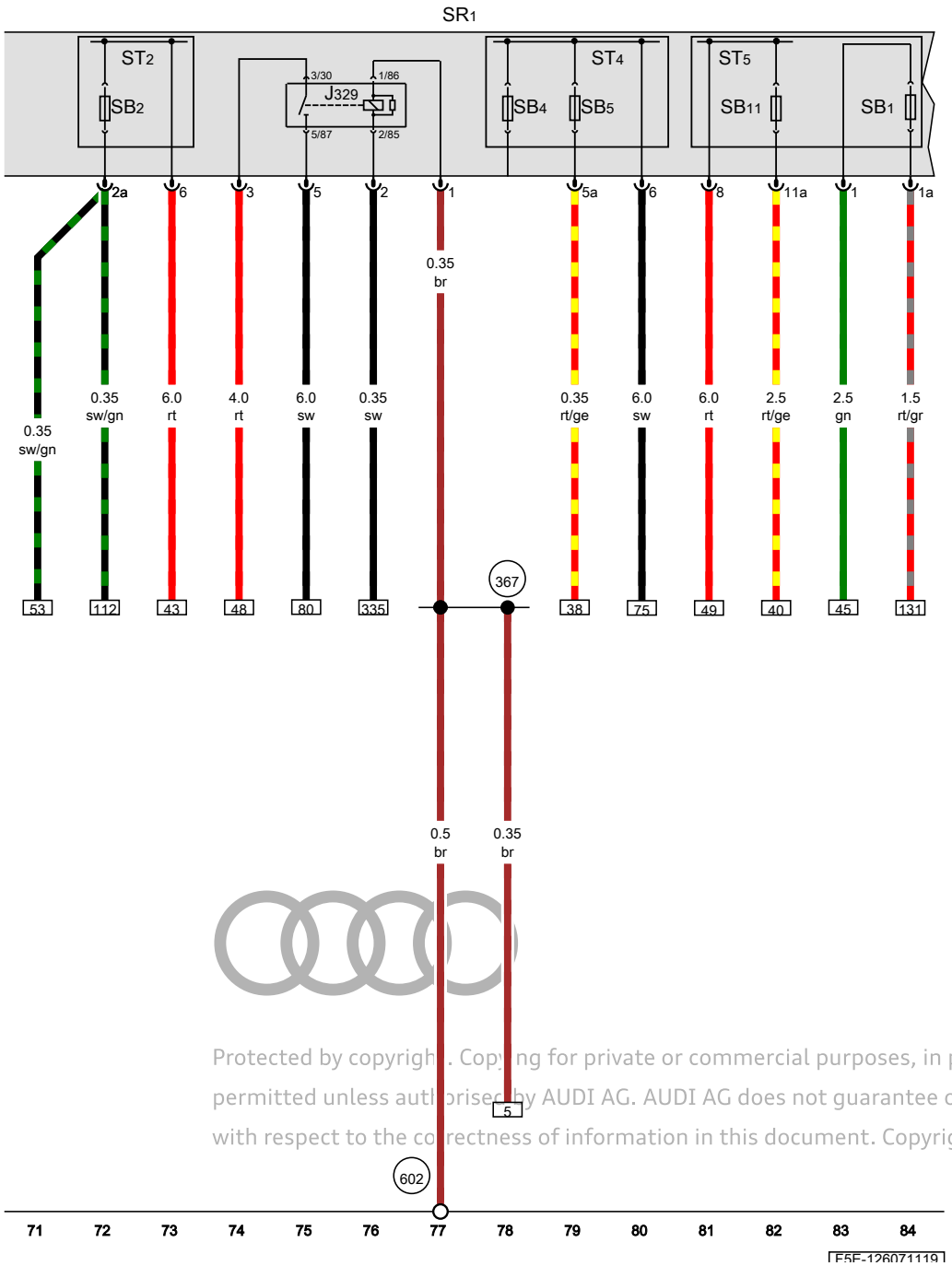
Relay and fuse carrier 1

ST1	Fuse carrier 1, brown
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB10	Fuse 10 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
B308	Positive connection 12 (30), in main wiring harness
*	For American markets

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Terminal 15 voltage supply relay, Relay and fuse carrier 1

J329	Terminal 15 voltage supply relay, black
SR1	Relay and fuse carrier 1, on lower section of left A-pillar
SB1	Fuse 1 on fuse holder B
SB2	Fuse 2 on fuse holder B
ST2	Fuse carrier 2, red
ST4	Fuse carrier 4, black
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
ST5	Fuse carrier 5, red
SB11	Fuse 11 on fuse holder B
367	Earth connection 2, in main wiring harness
602	Earth point, in front left footwell

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
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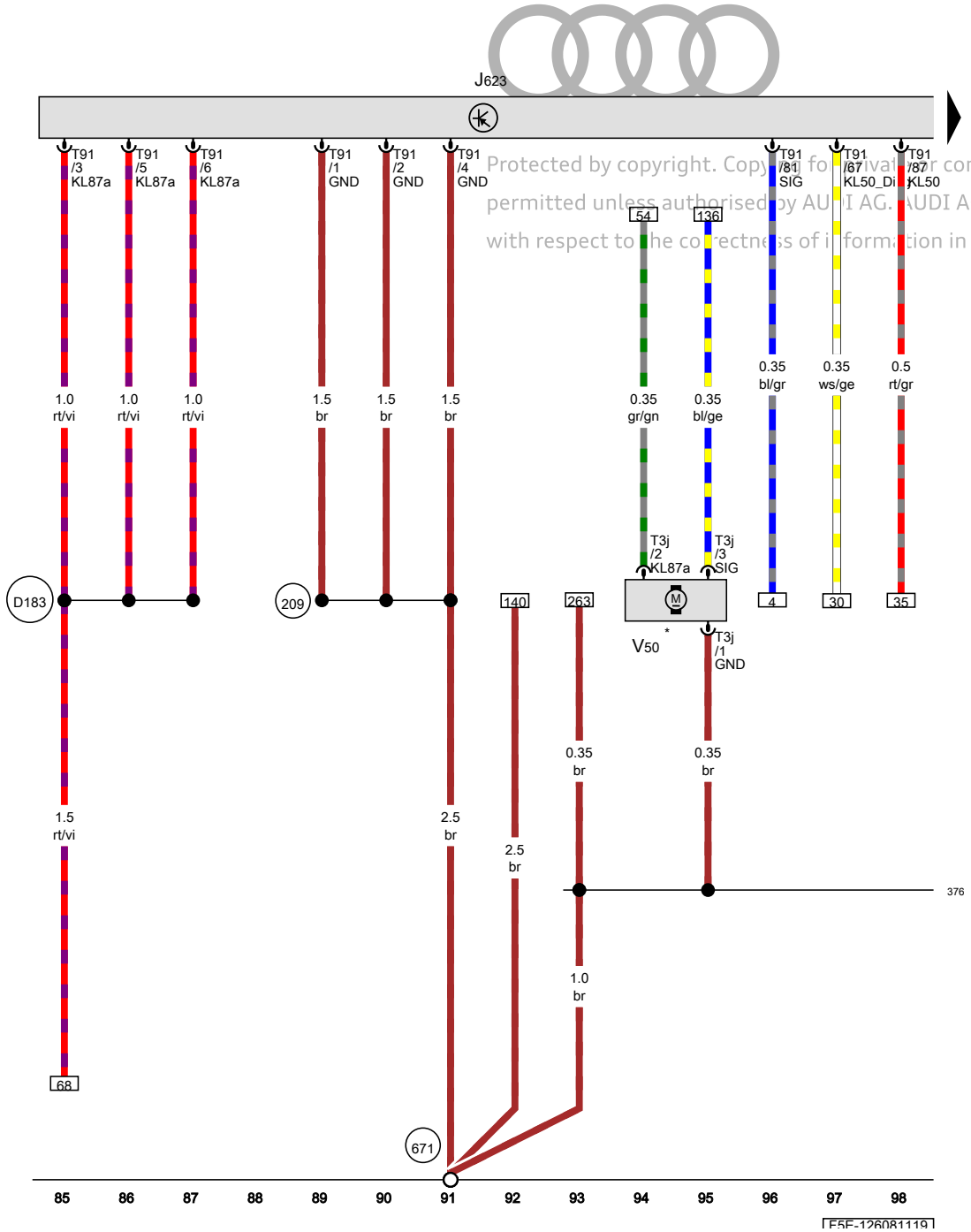

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Engine/motor control unit, Coolant circulation pump

J623	Engine/motor control unit, front left in engine compartment
T3j	3-pin connector, black
T91	91-pin connector, black
V50	Coolant circulation pump
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
671	Earth point 1, on front of left longitudinal member
D183	Connection 4 (87a), in engine compartment wiring harness
*	Heater support function

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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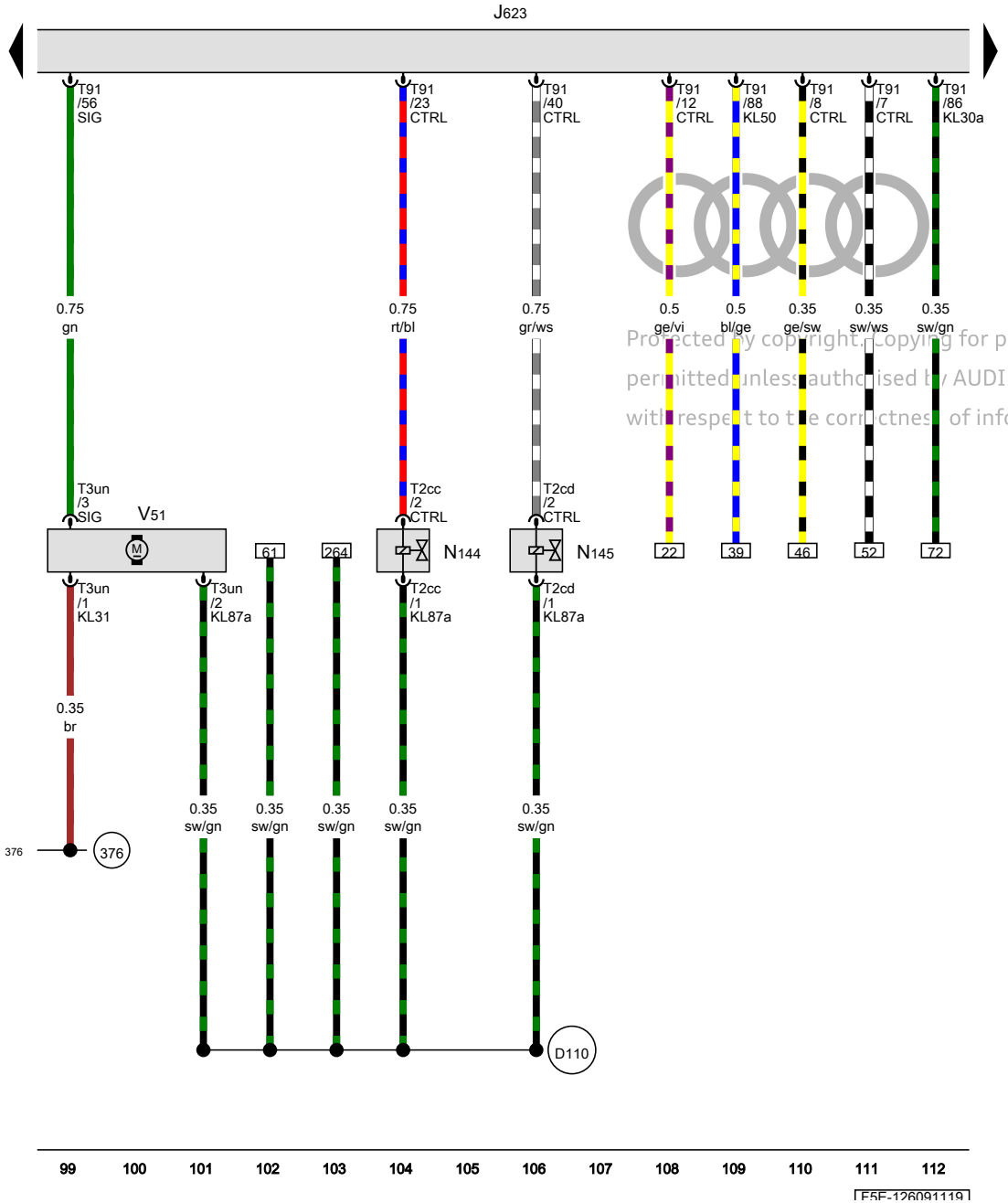

Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve, Continued coolant circulation pump

J623	Engine/motor control unit, front left in engine compartment
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T2cc	2-pin connector, colourless
T2cd	2-pin connector, colourless
T3un	3-pin connector, black
T91	91-pin connector, black
V51	Continued coolant circulation pump
376	Earth connection 11, in main wiring harness
D110	Connection 8 in engine compartment wiring harness

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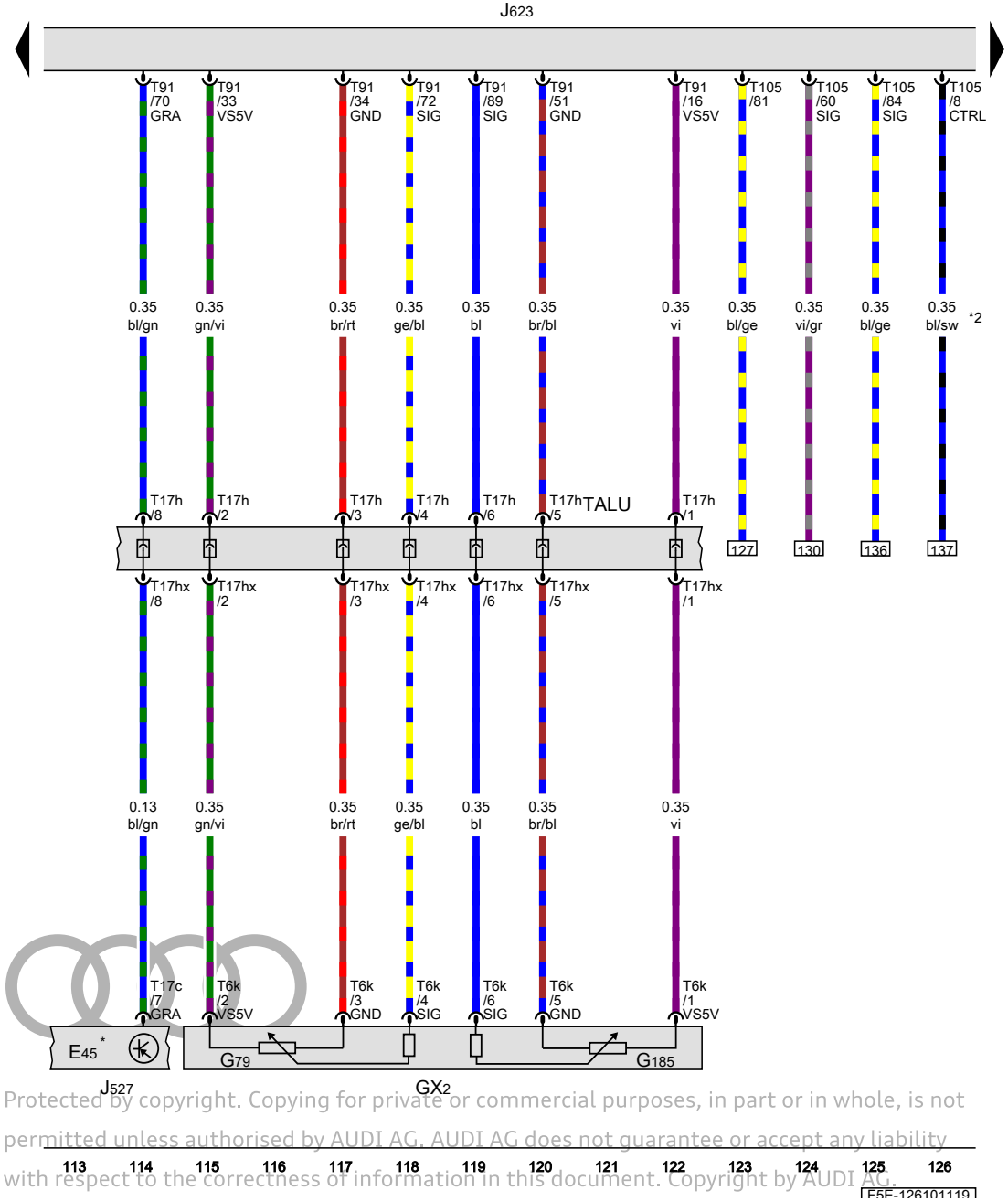

Accelerator pedal module, Steering column electronics control unit, Engine/motor control unit

E45	Cruise control system switch
GX2	Accelerator pedal module
G79	Accelerator position sender
G185	Accelerator position sender 2
J527	Steering column electronics control unit
J623	Engine/motor control unit, front left in engine compartment
T6k	6-pin connector, black
T17c	17-pin connector, yellow
T17h	17-pin connector, white
T17hx	17-pin connector, white
T91	91-pin connector, black
T105	105-pin connector, black
TALU	Coupling point on left A-pillar, bottom
*	For models with cruise control system (CCS)
*2	For American markets

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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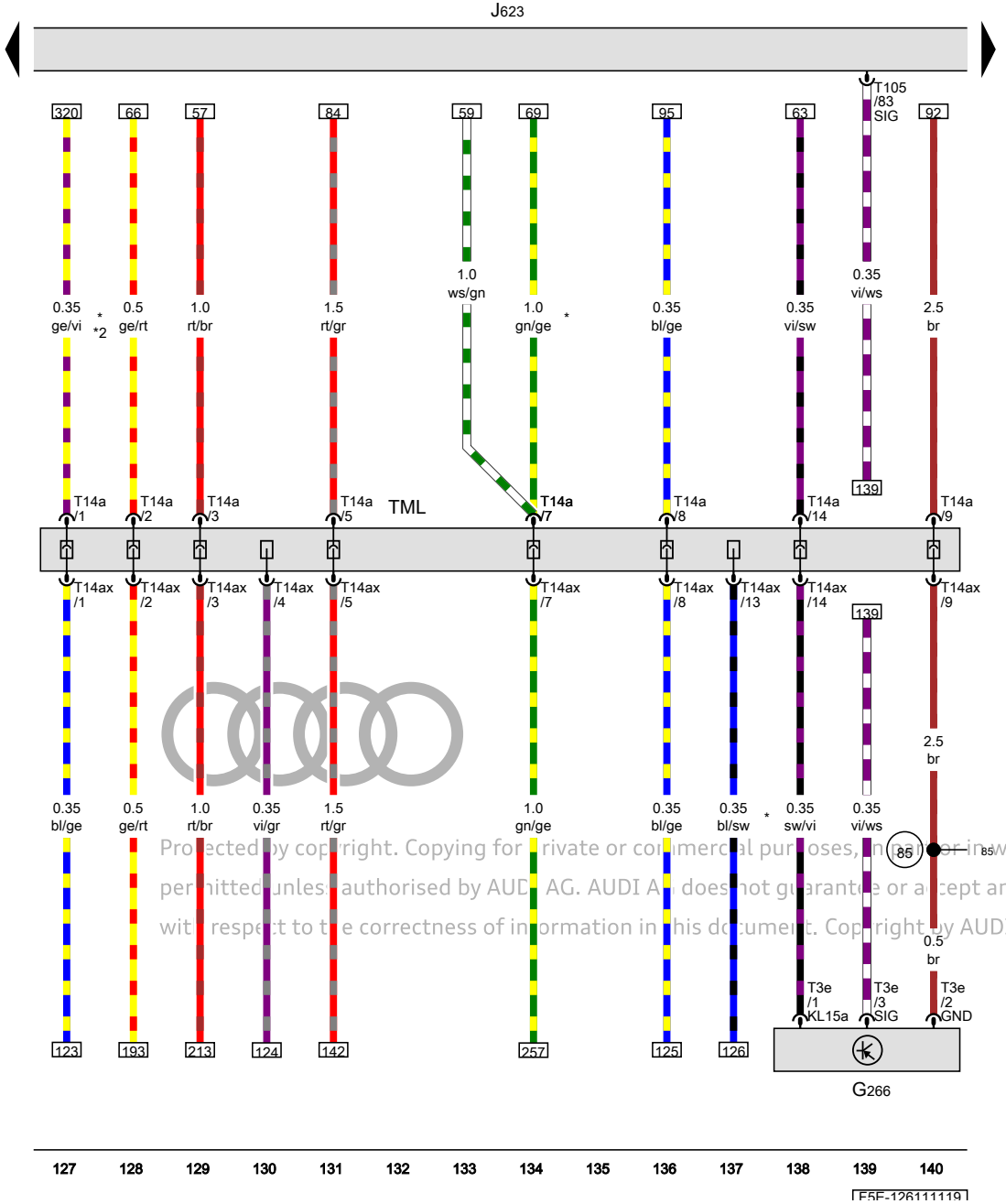

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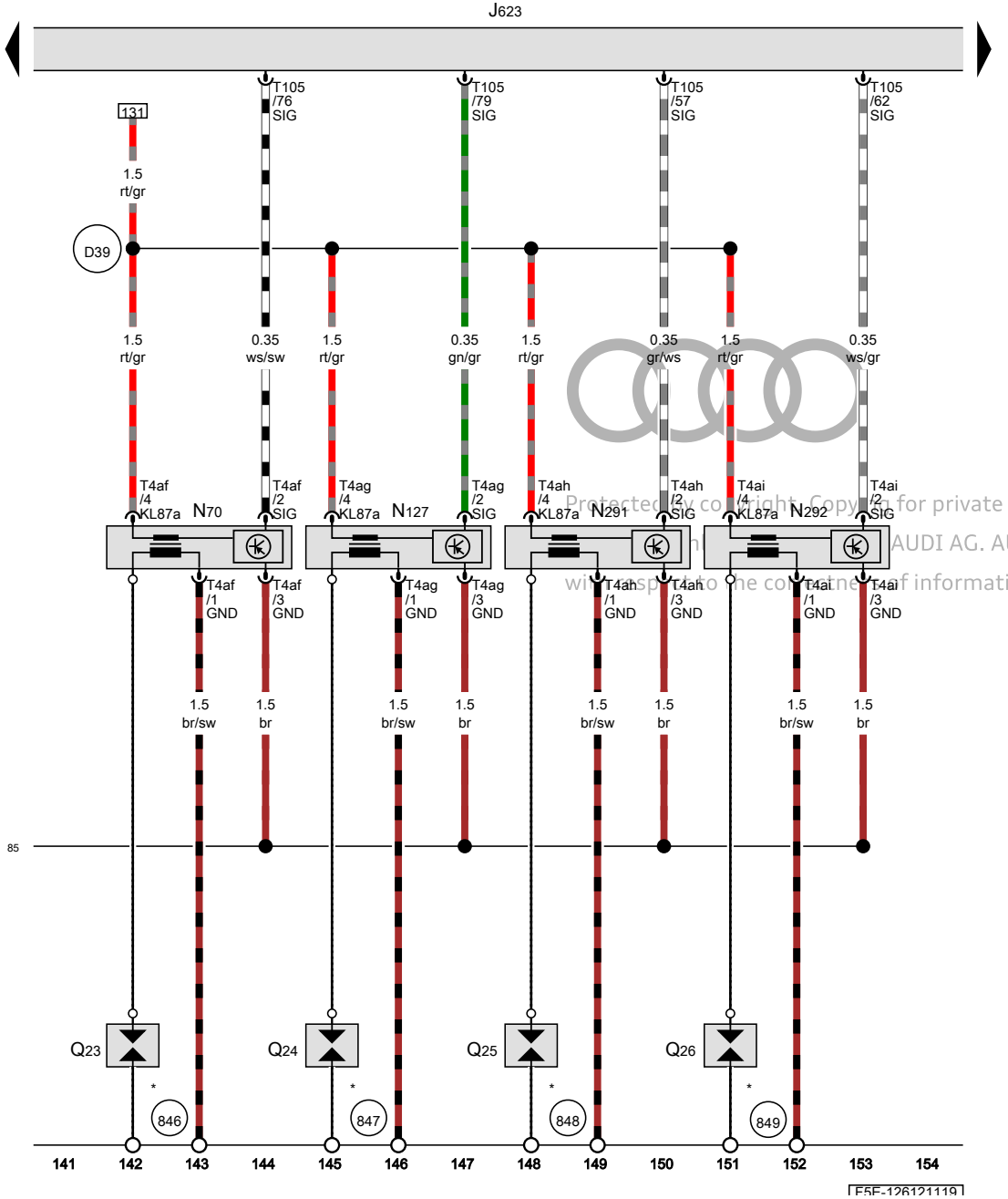
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Oil level and oil temperature sender, Engine/motor control unit

G266	Oil level and oil temperature sender
J623	Engine/motor control unit, front left in engine compartment
T3e	3-pin connector, black
T14a	14-pin connector, black
T14ax	14-pin connector, black
T105	105-pin connector, black
TML	Coupling point in engine compartment, left
85	Earth connection 1, in engine compartment wiring harness
*	For American markets
*2	For models with equipment for China



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Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit, front left in engine compartment
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
Q23	Spark plug 1
Q24	Spark plug 2
Q25	Spark plug 3
Q26	Spark plug 4
T4af	4-pin connector, black
T4ag	4-pin connector, black
T4ah	4-pin connector, black
T4ai	4-pin connector, black
T105	105-pin connector, black
85	Earth connection 1, in engine compartment wiring harness
846	Earth point on ignition coil 1
847	Earth point on ignition coil 2
848	Earth point on ignition coil 3
849	Earth point on ignition coil 4
D39	Connection 1, in engine prewiring harness
*	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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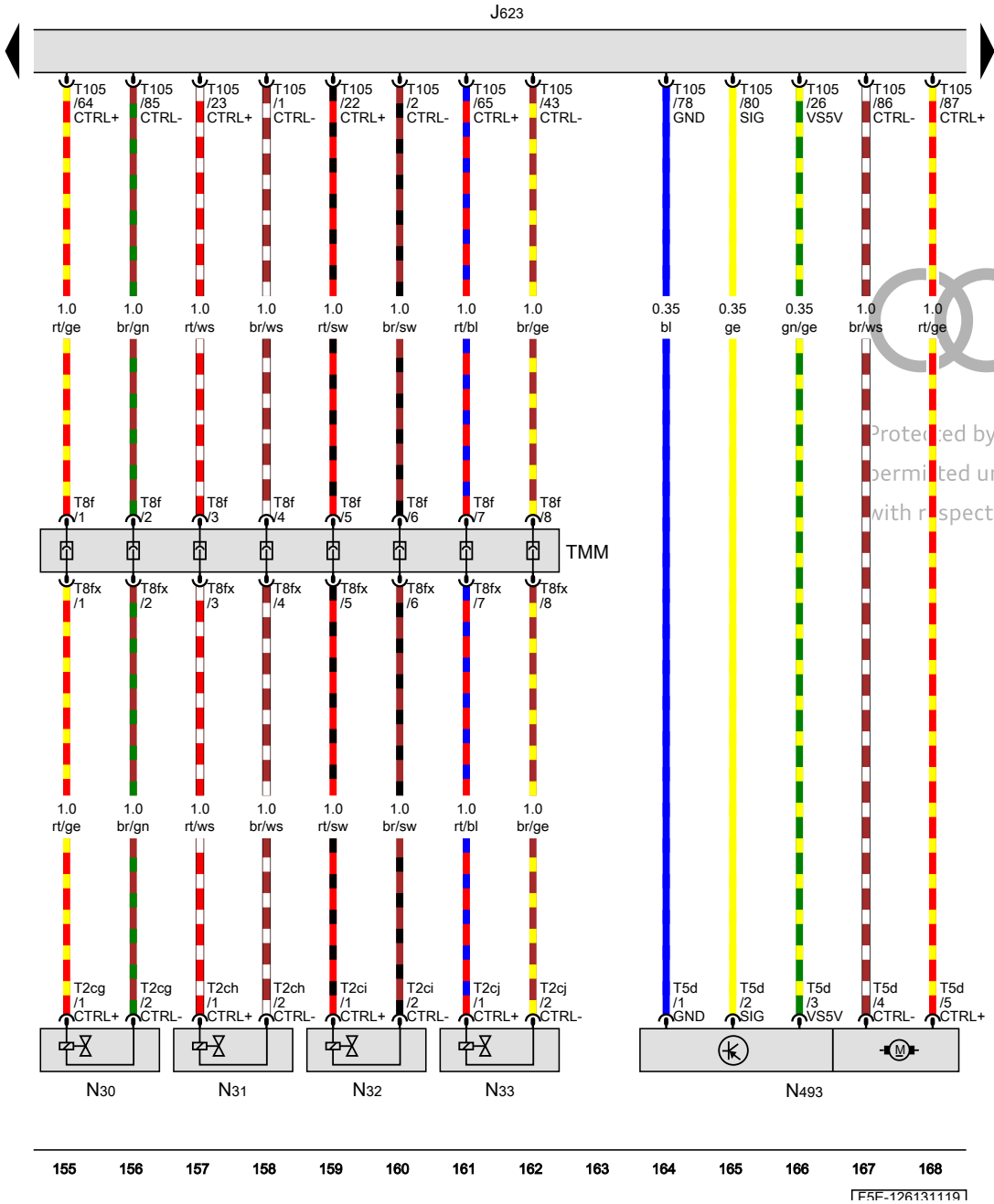
rs	=	pink



Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Actuator for engine temperature regulation

J623	Engine/motor control unit, front left in engine compartment
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N493	Actuator for engine temperature regulation
T2cg	2-pin connector, black
T2ch	2-pin connector, black
T2ci	2-pin connector, black
T2cj	2-pin connector, black
T5d	5-pin connector, black
T8f	8-pin connector, black
T8fx	8-pin connector, black
T105	105-pin connector, black
TMM	Coupling point in engine compartment, centre

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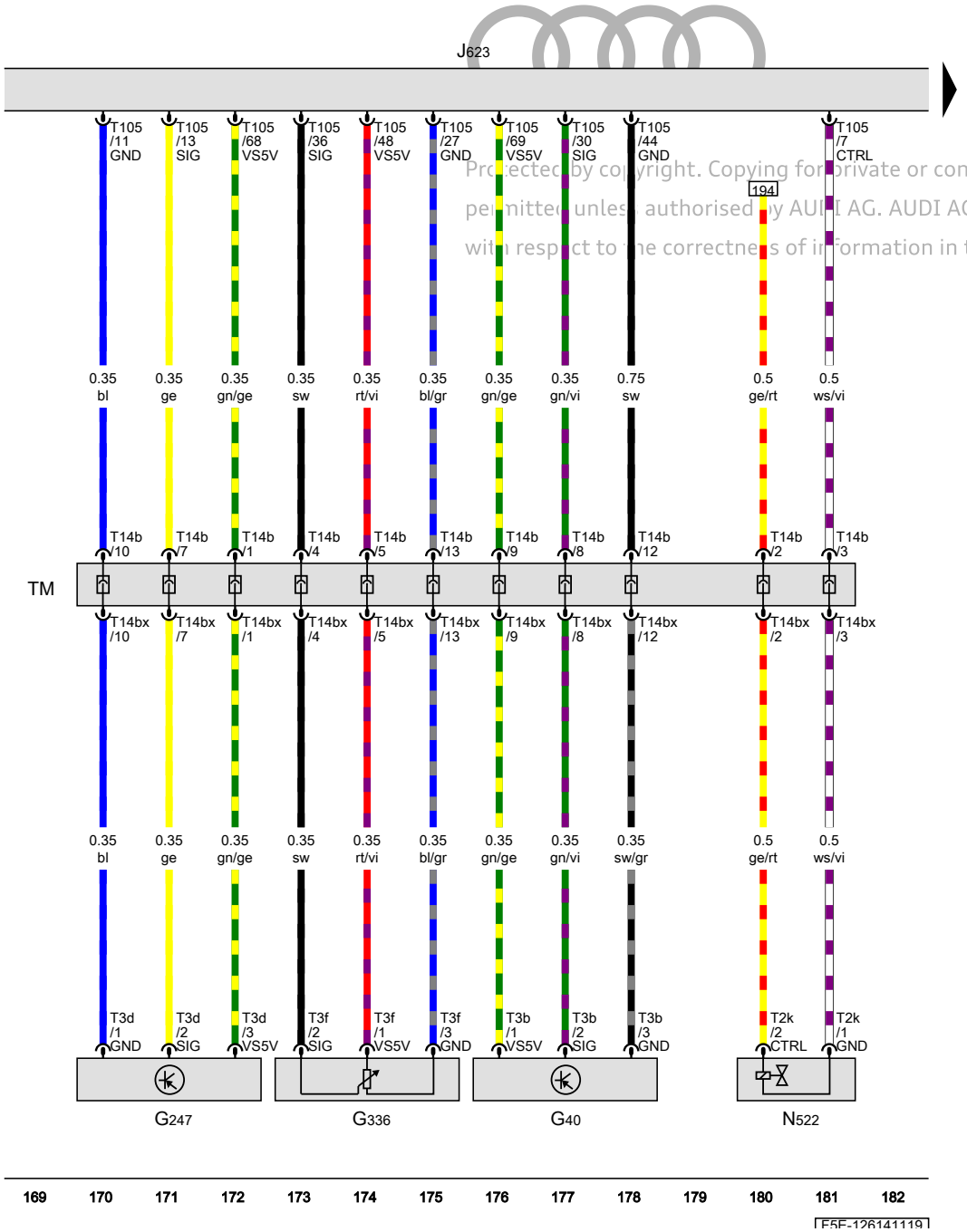

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Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine/motor control unit, Piston cooling jet control valve

G40	Hall sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
J623	Engine/motor control unit, front left in engine compartment
N522	Piston cooling jet control valve
T2k	2-pin connector, black
T3b	3-pin connector, black
T3d	3-pin connector, black
T3f	3-pin connector, black
T14b	14-pin connector, black
T14bx	14-pin connector, black
T105	105-pin connector, black
TM	Coupling point in engine compartment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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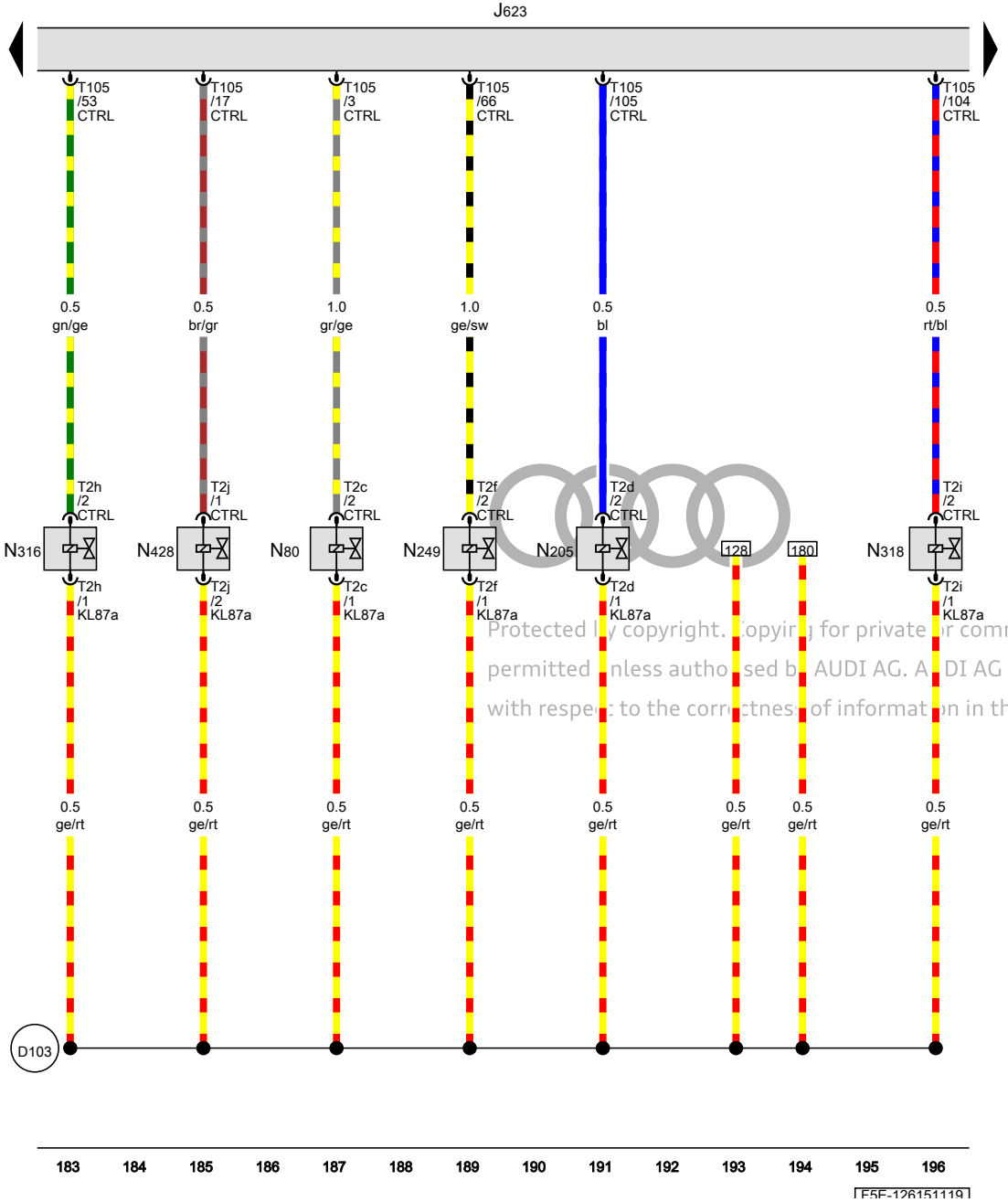

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Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control

J623	Engine/motor control unit, front left in engine compartment
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N249	Turbocharger air recirculation valve
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
T2c	2-pin connector, black
T2d	2-pin connector, black
T2f	2-pin connector, brown
T2h	2-pin connector, black
T2i	2-pin connector, black
T2j	2-pin connector, black
T105	105-pin connector, black
D103	Connection 3 in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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gr	=	grey
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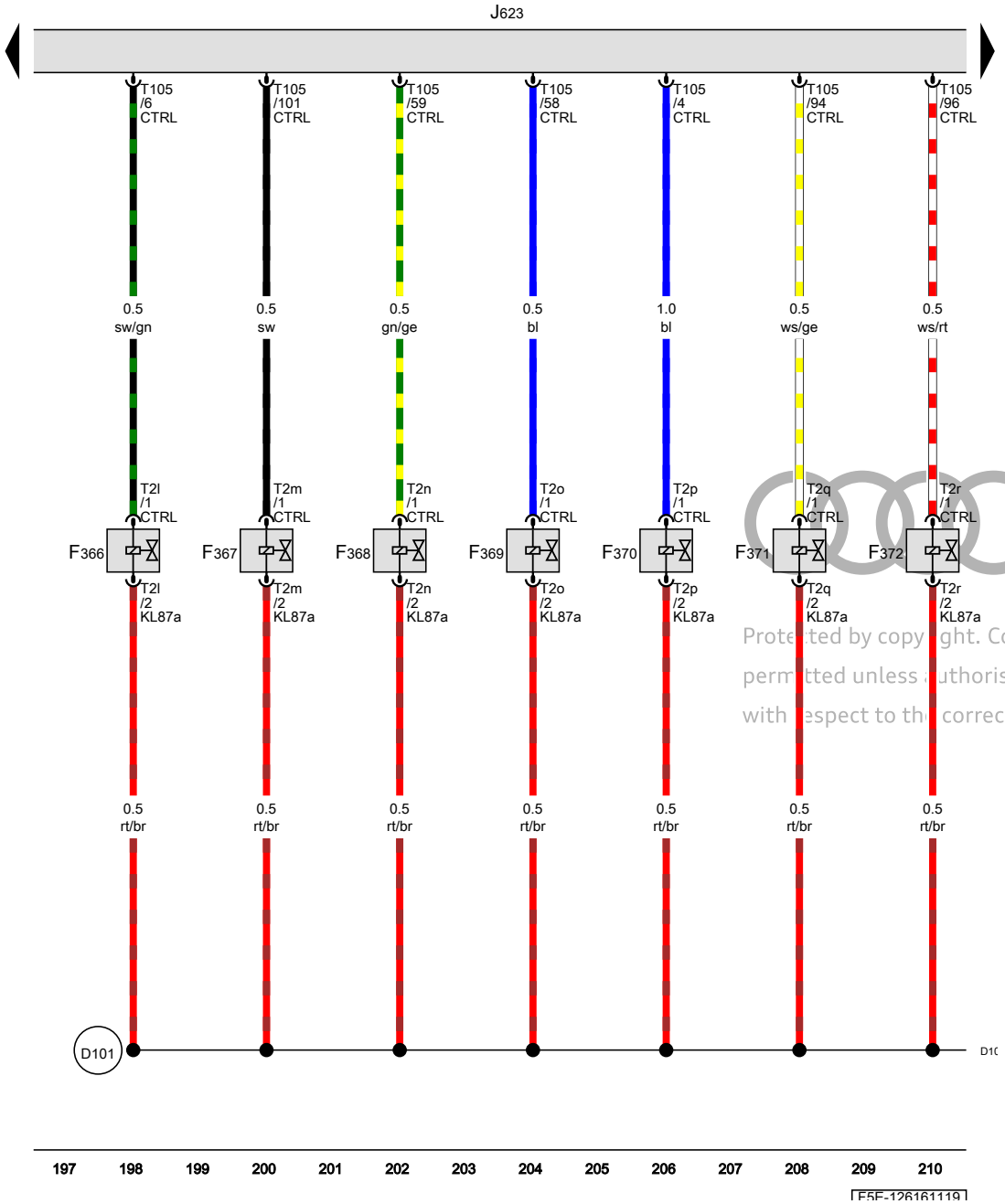

Cam adjustment actuator 1, Cam adjustment actuator 2, Cam adjustment actuator 3, Cam adjustment actuator 4, Cam adjustment actuator 5, Cam adjustment actuator 6, Cam adjustment actuator 7, Engine/motor control unit

F366	Cam adjustment actuator 1
F367	Cam adjustment actuator 2
F368	Cam adjustment actuator 3
F369	Cam adjustment actuator 4
F370	Cam adjustment actuator 5
F371	Cam adjustment actuator 6
F372	Cam adjustment actuator 7
J623	Engine/motor control unit, front left in engine compartment
T2l	2-pin connector, black
T2m	2-pin connector, black
T2n	2-pin connector, black
T2o	2-pin connector, black
T2p	2-pin connector, black
T2q	2-pin connector, black
T2r	2-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness

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ro	=	red
rt	=	red
br	=	brown
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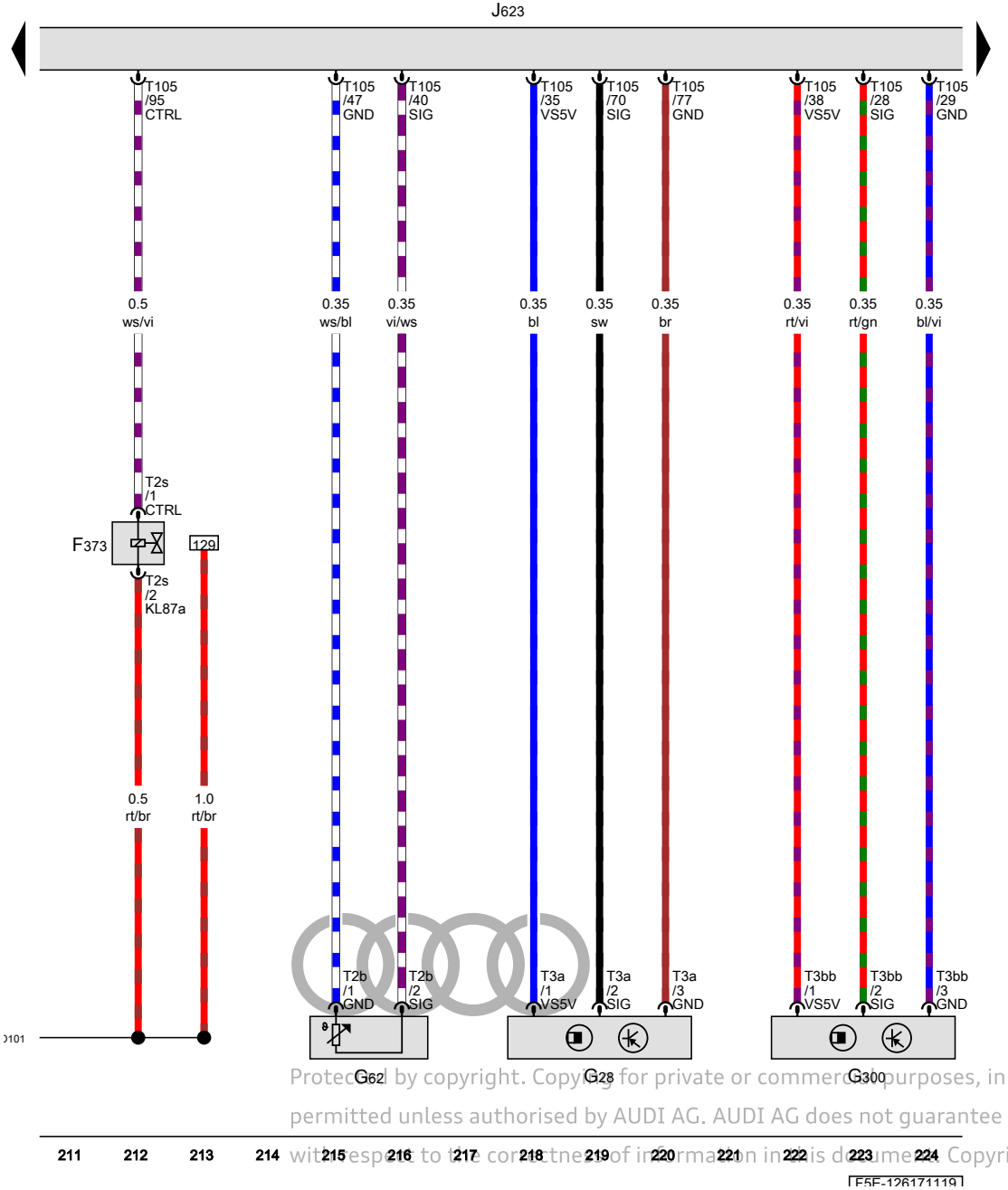

Cam adjustment actuator 8, Engine speed sender, Coolant temperature sender, Hall sender 3, Engine/motor control unit

F373	Cam adjustment actuator 8
G28	Engine speed sender
G62	Coolant temperature sender
G300	Hall sender 3
J623	Engine/motor control unit, front left in engine compartment
T2b	2-pin connector, black
T2s	2-pin connector, black
T3a	3-pin connector, black
T3bb	3-pin connector, black
T105	105-pin connector, black
D101	Connection 1 in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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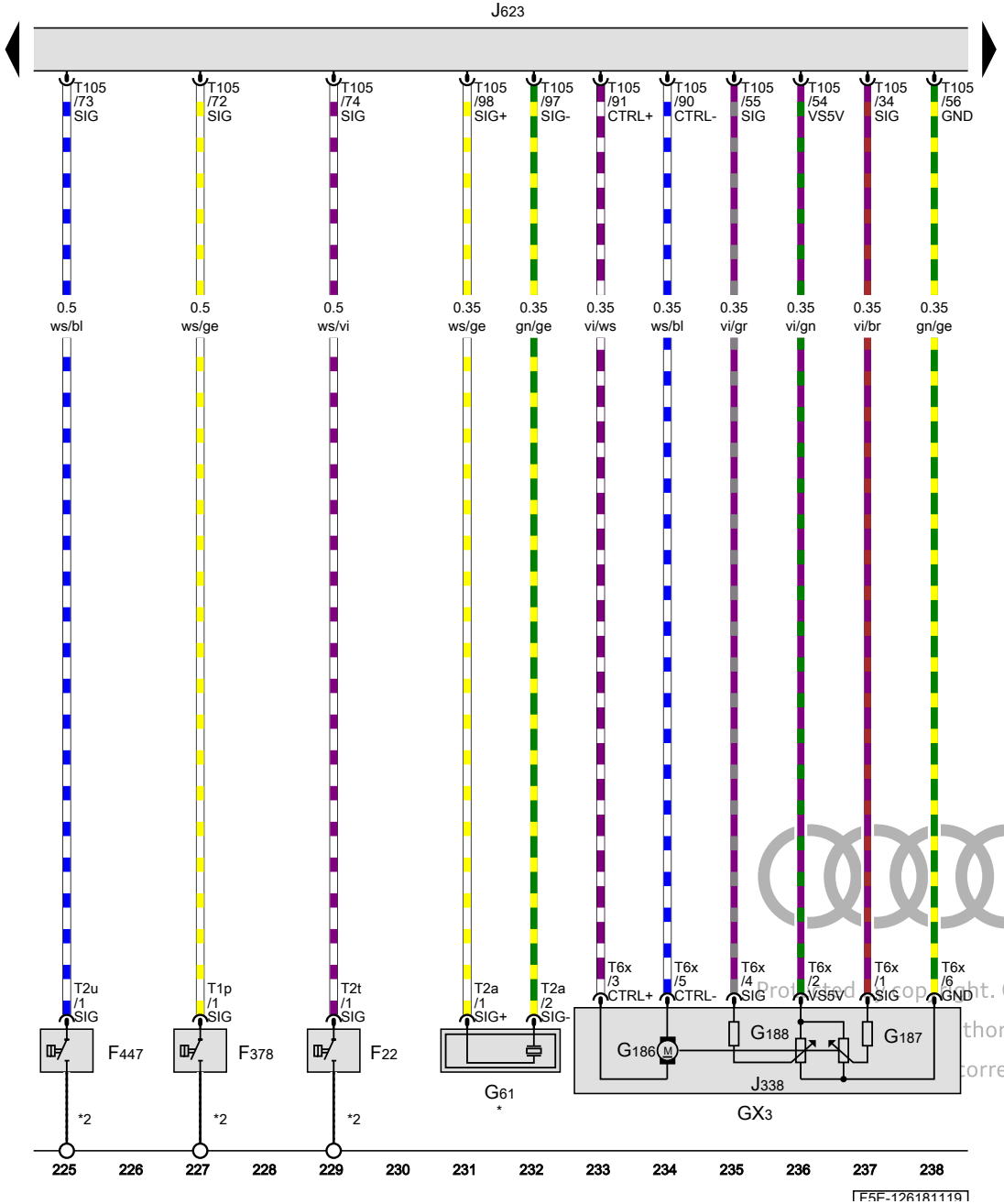

Oil pressure switch, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Throttle valve module, Knock sensor 1, Engine/motor control unit

F22	Oil pressure switch
F378	Oil pressure switch for reduced oil pressure
F447	Stage 3 oil pressure switch
GX3	Throttle valve module
G61	Knock sensor 1
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine/motor control unit, front left in engine compartment
T1p	1-pin connector, black
T2a	2-pin connector, black
T2t	2-pin connector, black
T2u	2-pin connector, black
T6x	6-pin connector, black
T105	105-pin connector, black
*	Pre-wired component
*2	Earth supply via housing

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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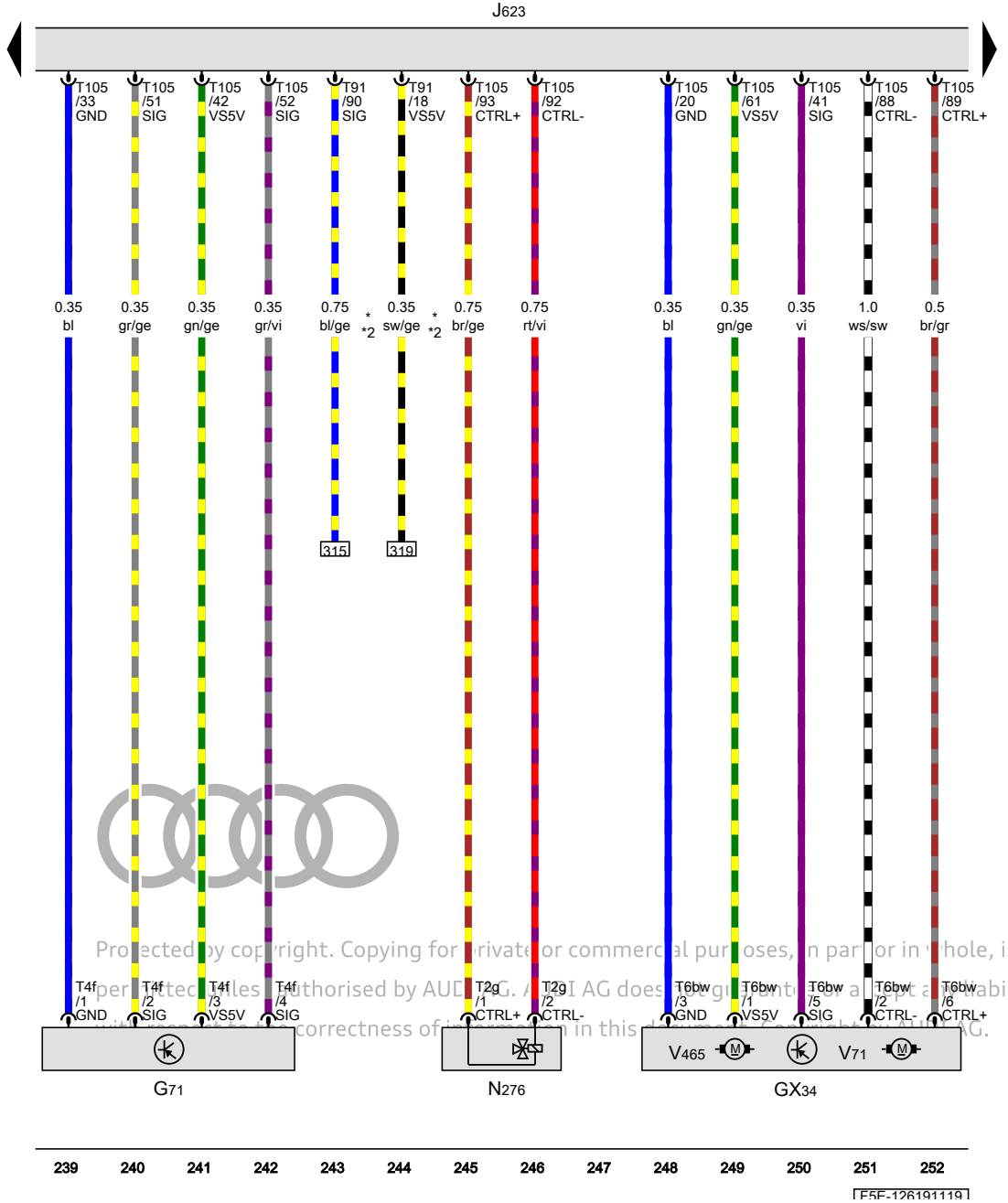

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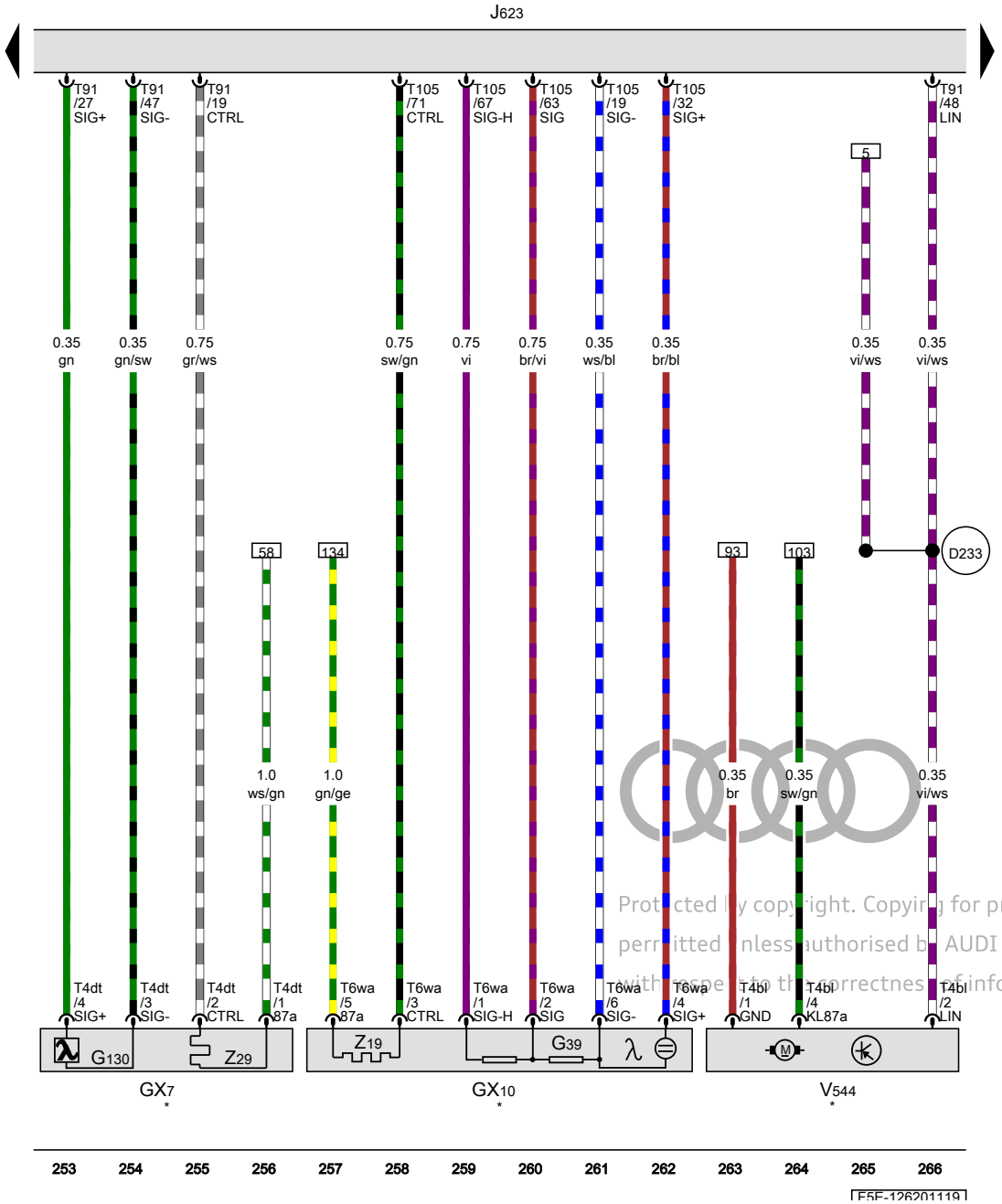
Charge pressure control module, Intake manifold pressure sender, Engine/motor control unit, Fuel pressure regulating valve

GX34	Charge pressure control module
G71	Intake manifold pressure sender
J623	Engine/motor control unit, front left in engine compartment
N276	Fuel pressure regulating valve
T2g	2-pin connector, black
T4f	4-pin connector, black
T6bw	6-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
V71	Air flow flap control motor
V465	Charge pressure positioner
*	For American markets
*2	For models with equipment for China



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Radiator blind control motor, Lambda probe 1 heater after catalytic converter

GX7	Lambda probe 1 after catalytic converter
GX10	Lambda probe 1 before catalytic converter
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine/motor control unit, front left in engine compartment
T4bl	4-pin connector, black
T4dt	4-pin connector, black
T6wa	6-pin connector, black
T91	91-pin connector, black
T105	105-pin connector, black
V544	Radiator blind control motor
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
D233	Connection 2 (LIN bus) in engine compartment wiring harness
*	Pre-wired component

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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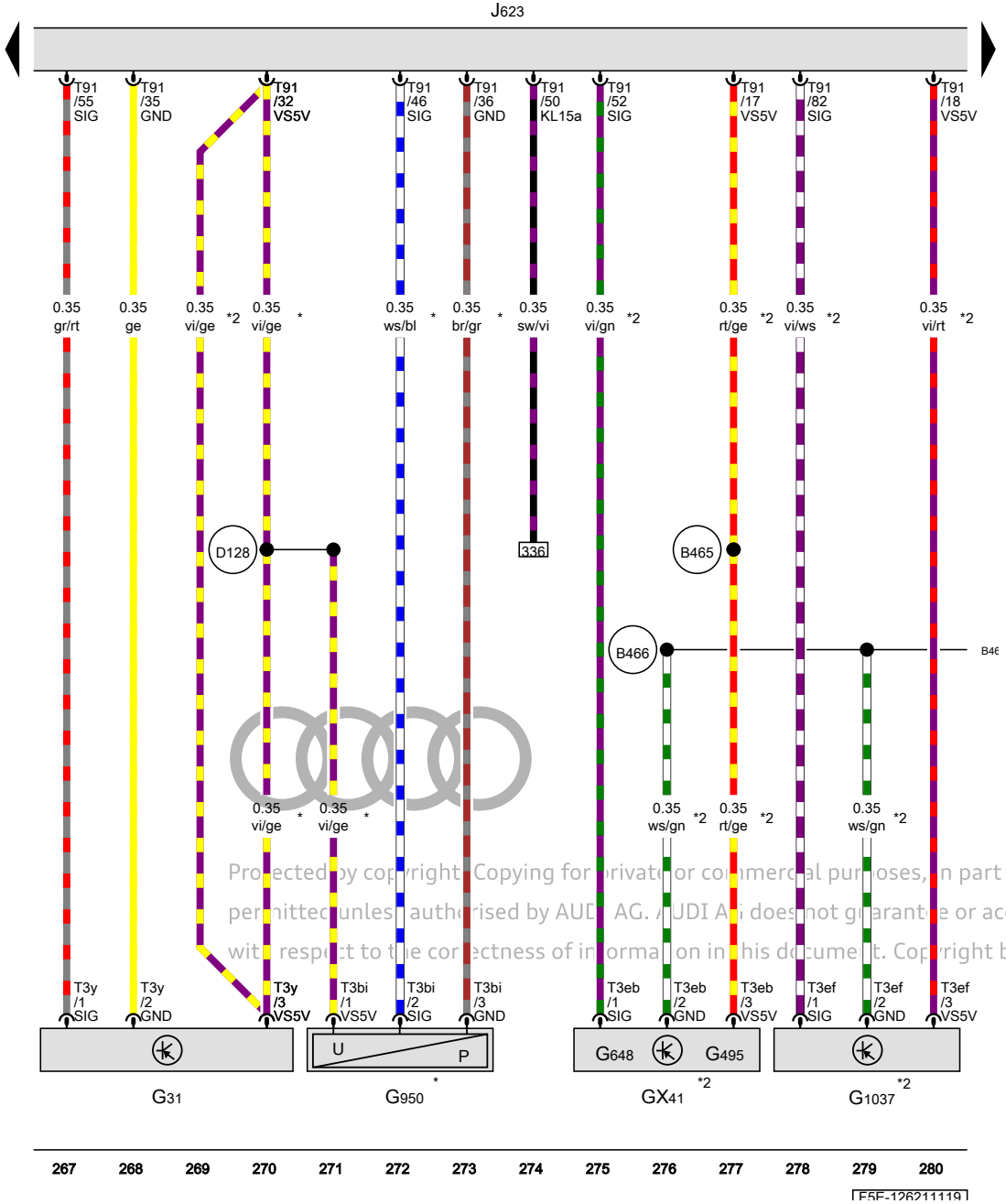

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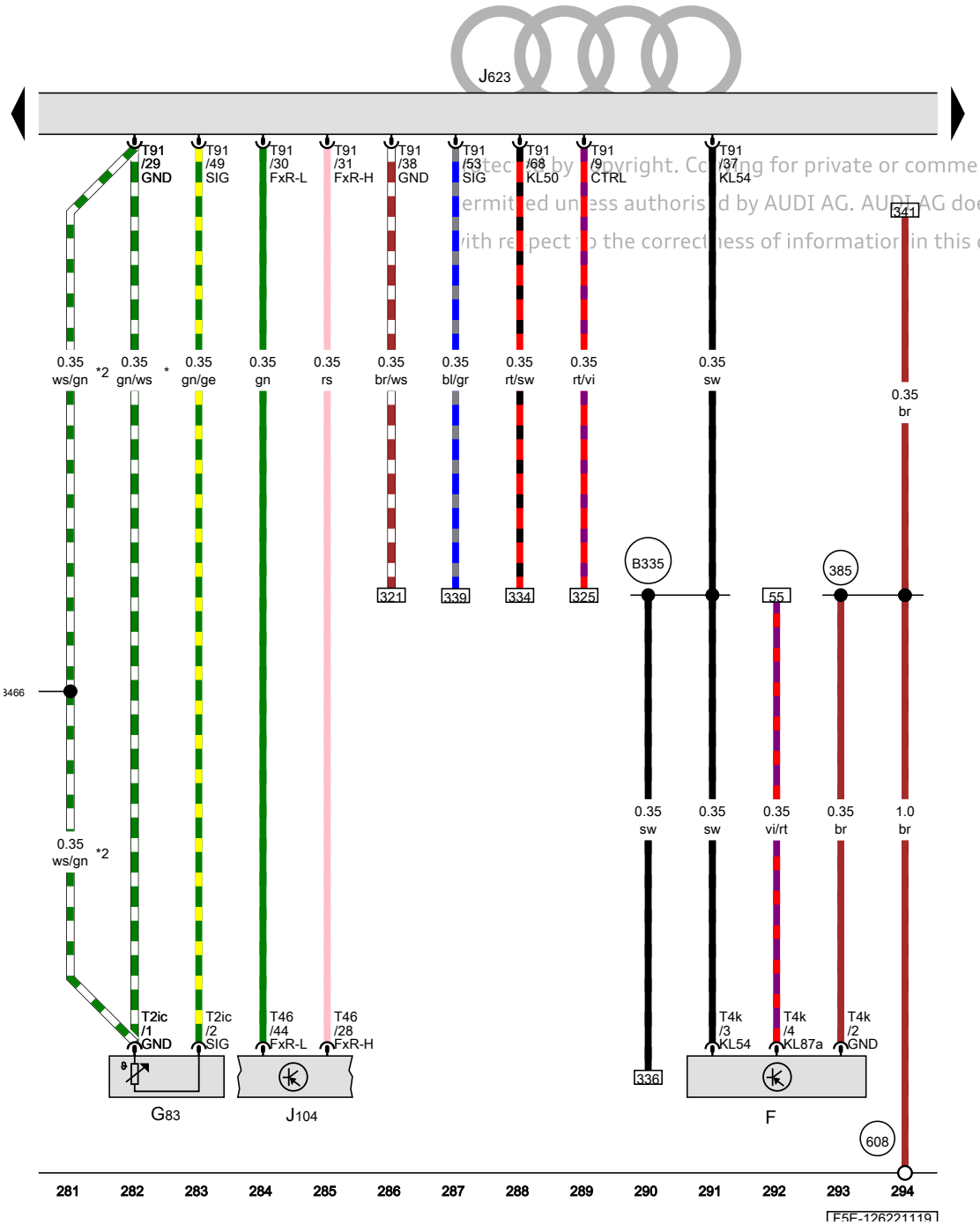
Tank breather pressure sensor 1, Pressure differential sender for particulate filter, Engine/motor control unit

G31	Charge pressure sender
GX41	Dual exhaust gas temperature sensor 1
G495	Exhaust gas temperature sender 3
G648	Exhaust gas temperature sender 4
G950	Tank breather pressure sensor 1
G1037	Pressure differential sender for particulate filter
J623	Engine/motor control unit, front left in engine compartment
T3bi	3-pin connector, black
T3eb	3-pin connector, black
T3ef	3-pin connector, black
T3y	3-pin connector, black
T91	91-pin connector, black
B465	Connection 1, in main wiring harness
B466	Connection 2, in main wiring harness
D128	Connection 26 in engine compartment wiring harness
*	For American markets
*2	Not for American markets



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Brake light switch, Radiator outlet coolant temperature sender, ABS control unit, Engine/motor control unit

F	Brake light switch, on brake servo
G83	Radiator outlet coolant temperature sender
J104	ABS control unit
J623	Engine/motor control unit, front left in engine compartment
T2ic	2-pin connector, black
T4k	4-pin connector, black
T46	46-pin connector, black
T91	91-pin connector, black
385	Earth connection 20, in main wiring harness
608	Earth point, central in plenum chamber
B335	Connection 1 (54), in main wiring harness
B466	Connection 2, in main wiring harness
*	For American markets
*2	Not for American markets

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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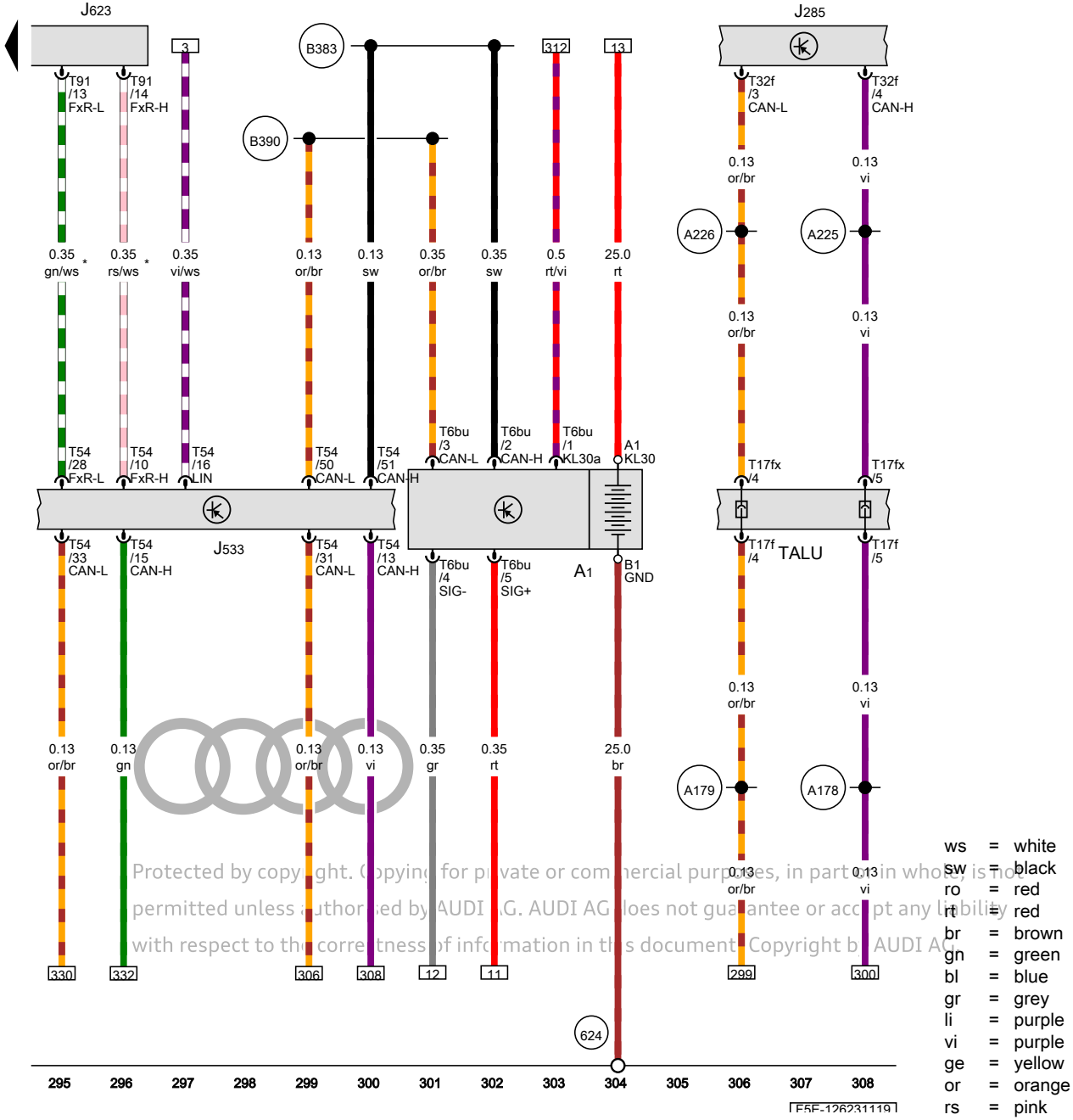

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gn = green
bl = blue
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li = purple
vi = purple
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or = orange
rs = pink

Second battery, Control unit in dash panel insert, Data bus diagnostic interface, Engine/motor control unit

A1	Second battery
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J623	Engine/motor control unit, front left in engine compartment
T6bu	6-pin connector, black
T17f	17-pin connector, red
T17fx	17-pin connector, red
T32f	32-pin connector, grey
T54	54-pin connector, black
T91	91-pin connector, black
TALU	Coupling point on left A-pillar, bottom
624	Earth point, starter battery
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Data bus wire (FlexRay bus)

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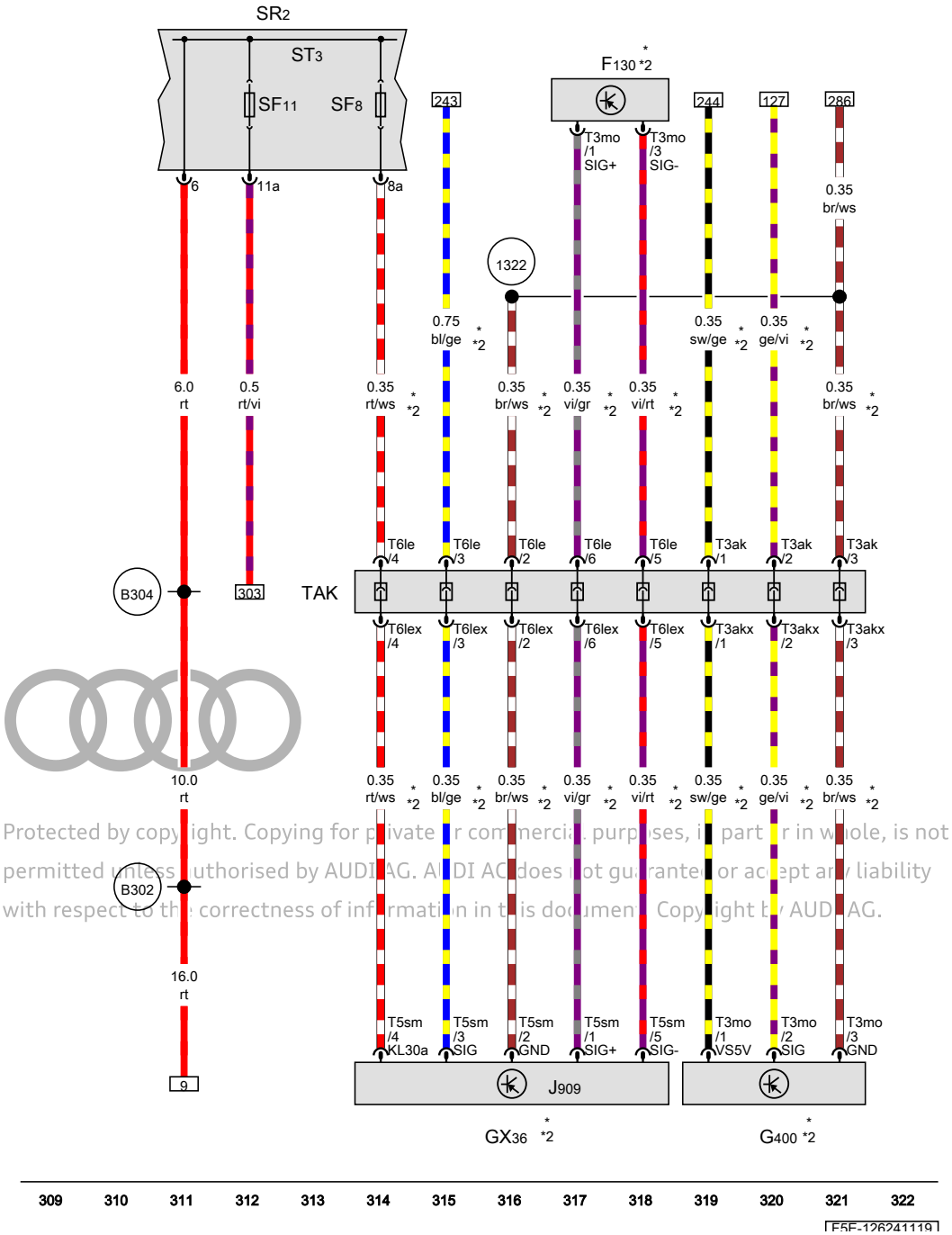

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Fuel pump run-on pressure switch, Fuel tank leak detection module, Tank pressure sensor, Relay and fuse carrier 2

F130	Fuel pump run-on pressure switch, near fuel tank
GX36	Fuel tank leak detection module, near fuel tank
G400	Tank pressure sensor
J909	Control unit for fuel tank leak detection
SR2	Relay and fuse carrier 2, in luggage compartment, rear left
ST3	Fuse carrier 3, brown
SF8	Fuse 8 in fuse holder F
SF11	Fuse 11 in fuse holder F
T3ak	3-pin connector, black
T3akx	3-pin connector, black
T3mo	3-pin connector, black
T5sm	5-pin connector, black
T6le	6-pin connector, green
T6lex	6-pin connector, green
TAK	Coupling point for fuel tank, near fuel tank
1322	Earth connection, in tank prewiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	For American markets
*2	For models with equipment for China

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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ge	=	yellow
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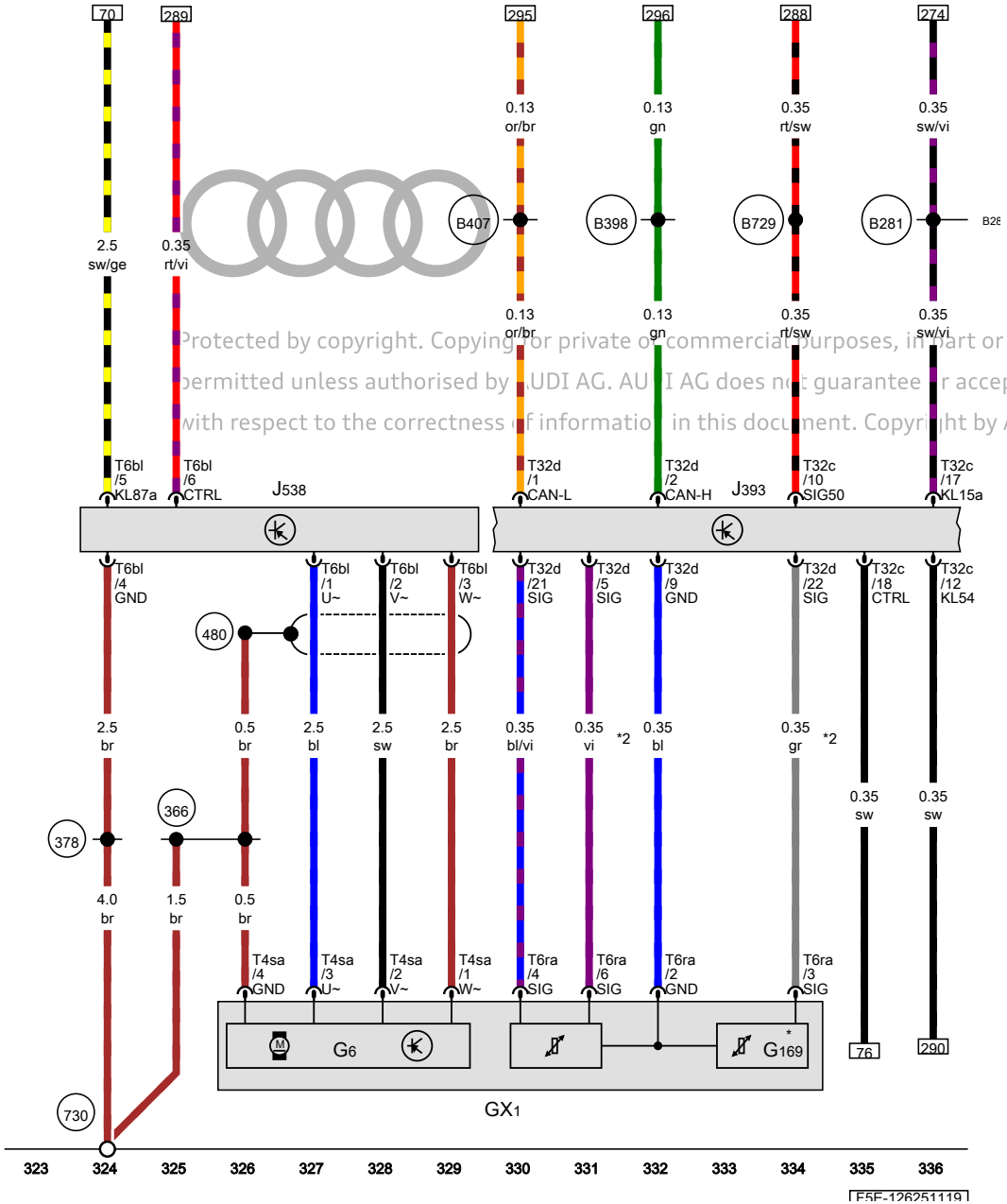

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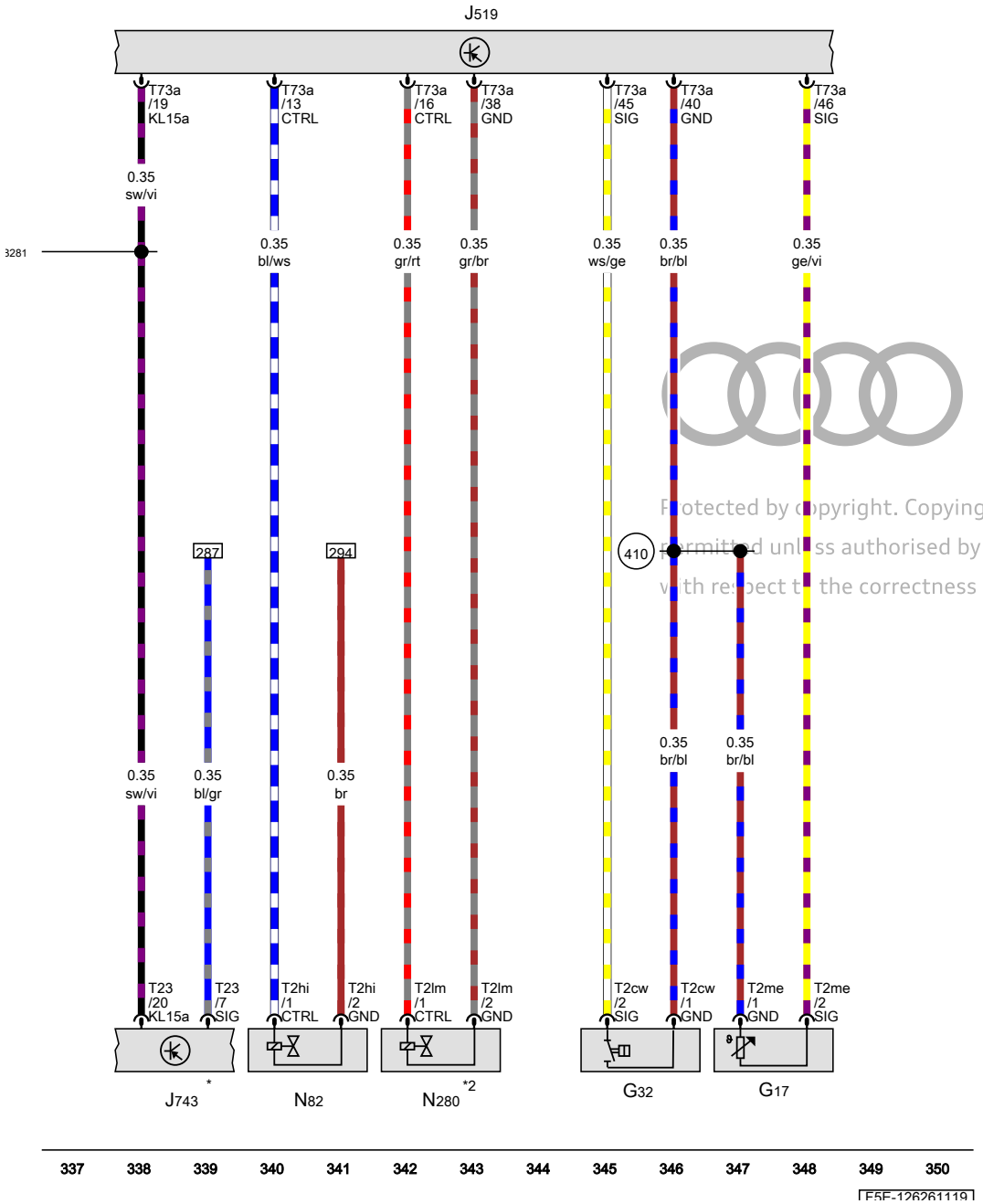
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Fuel delivery unit, Convenience system central control unit, Fuel pump control unit

GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J393	Convenience system central control unit
J538	Fuel pump control unit
T4sa	4-pin connector, black
T6bl	6-pin connector, black
T6ra	6-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
366	Earth connection 1, in main wiring harness
378	Earth connection 13, in main wiring harness
480	Earth connection, in fuel tank wiring harness
730	Earth point 1, on right rear wheel housing
B281	Positive connection 5 (15a) in main wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
B729	Connection 1 (50), in main wiring harness
*	For models with all-wheel drive
*2	According to equipment



Ambient temperature sensor, Coolant shortage indicator sender, Onboard supply control unit, Mechatronic unit for dual clutch gearbox, Coolant shut-off valve, Air conditioner compressor regulating valve

G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
J519	Onboard supply control unit
J743	Mechatronic unit for dual clutch gearbox
N82	Coolant shut-off valve
N280	Air conditioner compressor regulating valve
T2cw	2-pin connector, black
T2hi	2-pin connector, black
T2lm	2-pin connector, black
T2me	2-pin connector, black
T23	23-pin connector, black
T73a	73-pin connector, black
410	Earth connection 1 (sender earth) in main wiring harness
B281	Positive connection 5 (15a) in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	Pre-wired component

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gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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rs	=	pink

MMI (information electronics 1)

From October 2019

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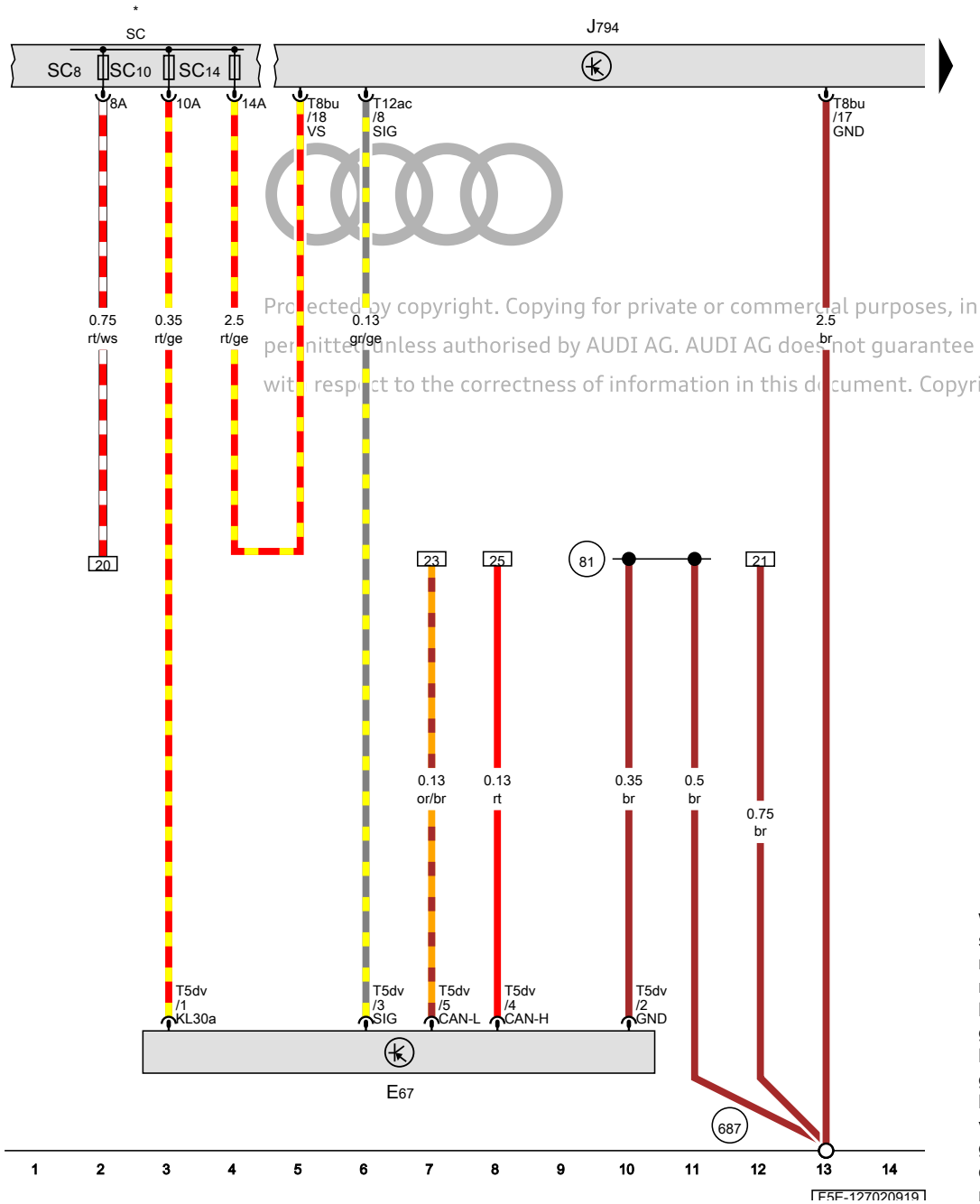

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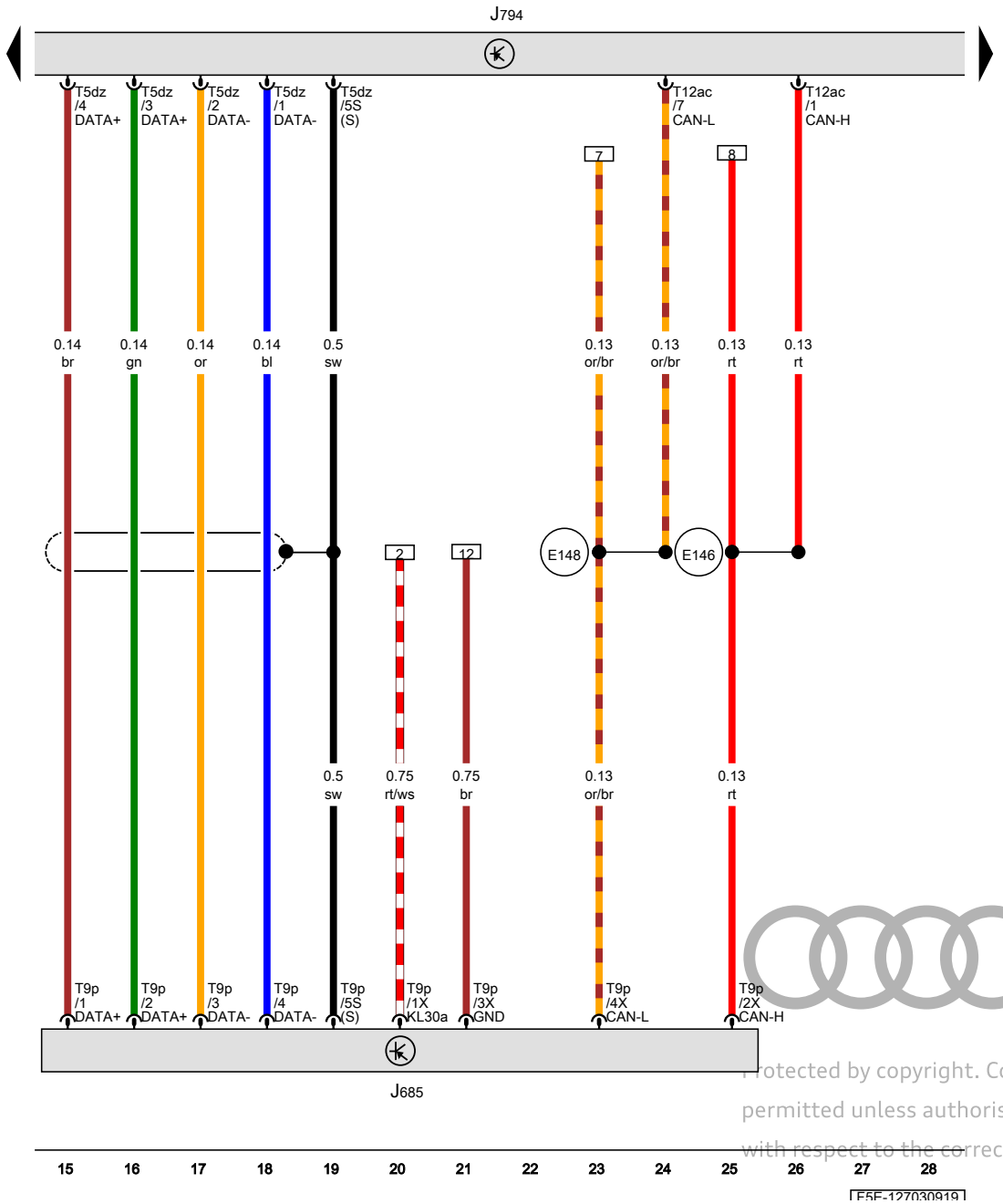
Driver side volume regulator, Control unit 1 for information electronics

E67	Driver side volume regulator
J794	Control unit 1 for information electronics
SC	Fuse holder C
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
T5dv	5-pin connector, black
T8bu	8-pin connector, black
T12ac	12-pin connector, grey
81	Earth connection 1, in dash panel wiring harness
687	Earth point 1, on centre tunnel
*	see applicable current flow diagram for fuse assignment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Display unit for front information display and operating unit control unit, Control unit 1 for information electronics

J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
T5dz	5-pin connector, black
T9p	9-pin connector, black
T12ac	12-pin connector, grey
E146	Connection 2 (CAN bus, control unit 1 for information electronics, high)
E148	Connection 2 (CAN bus, control unit 1 for information electronics, low)



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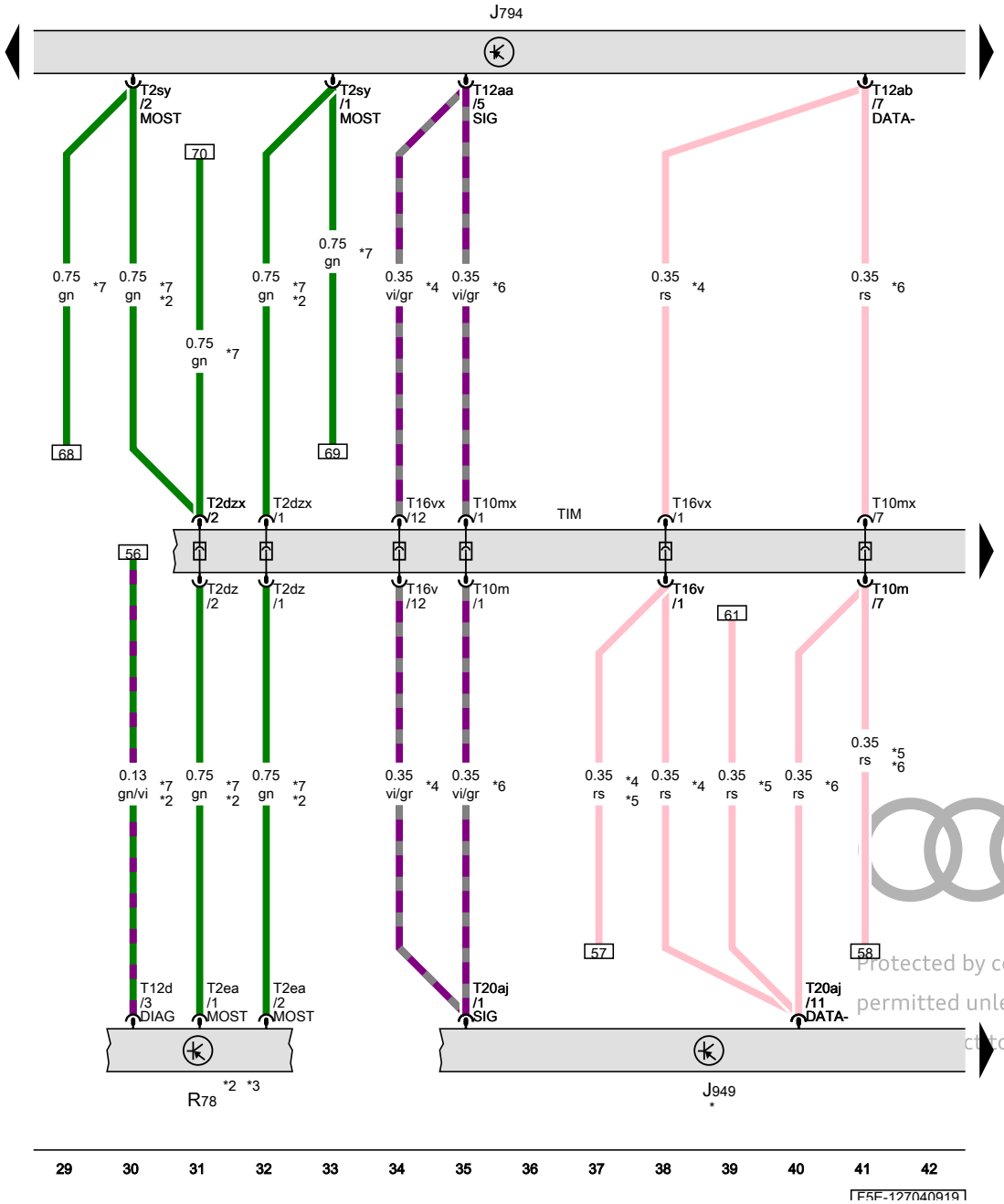

Control unit 1 for information electronics, Emergency call module control unit and communication unit, TV tuner

J794	Control unit 1 for information electronics
J949	Emergency call module control unit and communication unit
R78	TV tuner
T2dz	2-pin connector, black
T2dzx	2-pin connector, black
T2ea	2-pin connector, black
T2sy	2-pin connector, black
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12aa	12-pin connector, blue
T12ab	12-pin connector, green
T12d	12-pin connector, black
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T20aj	20-pin connector, colourless
TIM	Coupling point in interior, centre
*	see applicable current flow diagram for communication
*2	For models with TV tuner
*3	see applicable current flow diagram for TV tuner
*4	From December 2019
*5	For models with Bang & Olufsen sound system
*6	Up to November 2019
*7	see applicable current flow diagram for infotainment MOST bus

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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vi	=	purple
ge	=	yellow
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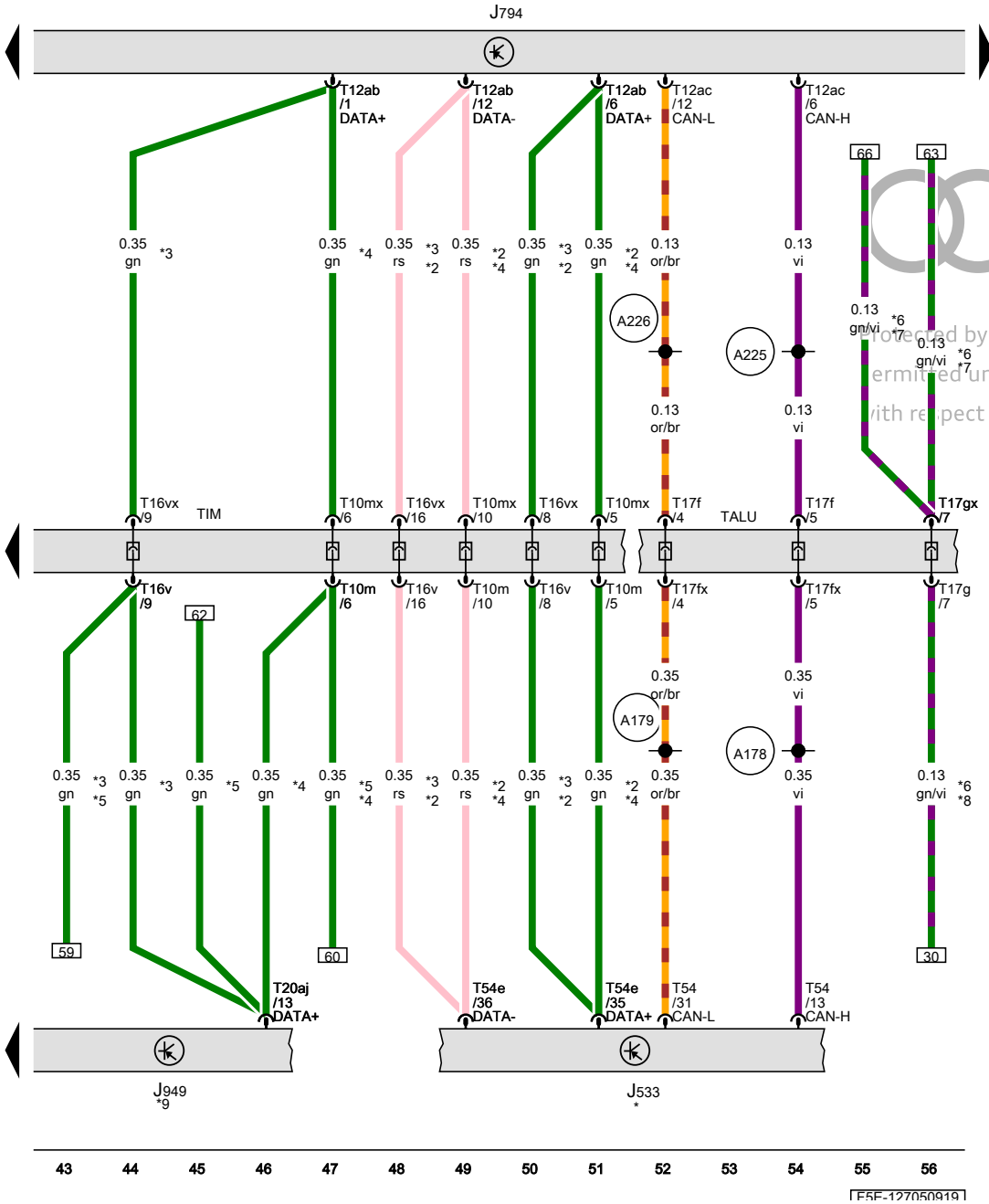

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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Data bus diagnostic interface, Control unit 1 for information electronics, Emergency call module control unit and communication unit

J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
J949	Emergency call module control unit and communication unit
T10m	10-pin connector, black
T10mx	10-pin connector, black
T12ab	12-pin connector, green
T12ac	12-pin connector, grey
T16v	16-pin connector, brown
T16vx	16-pin connector, brown
T17f	17-pin connector, red
T17fx	17-pin connector, red
T17g	17-pin connector, blue
T17gx	17-pin connector, blue
T20aj	20-pin connector, colourless
T54	54-pin connector, black
T54e	54-pin connector, grey
TALU	Coupling point on left A-pillar, bottom
TIM	Coupling point in interior, centre
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A225	Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
A226	Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
*	see applicable current flow diagram for data bus diagnostic interface
*2	Connection for ethernet
*3	From December 2019
*4	Up to November 2019
*5	For models with Bang & Olufsen sound system
*6	see applicable current flow diagram for infotainment MOST bus
*7	According to equipment
*8	For models with TV tuner
*9	see applicable current flow diagram for communication

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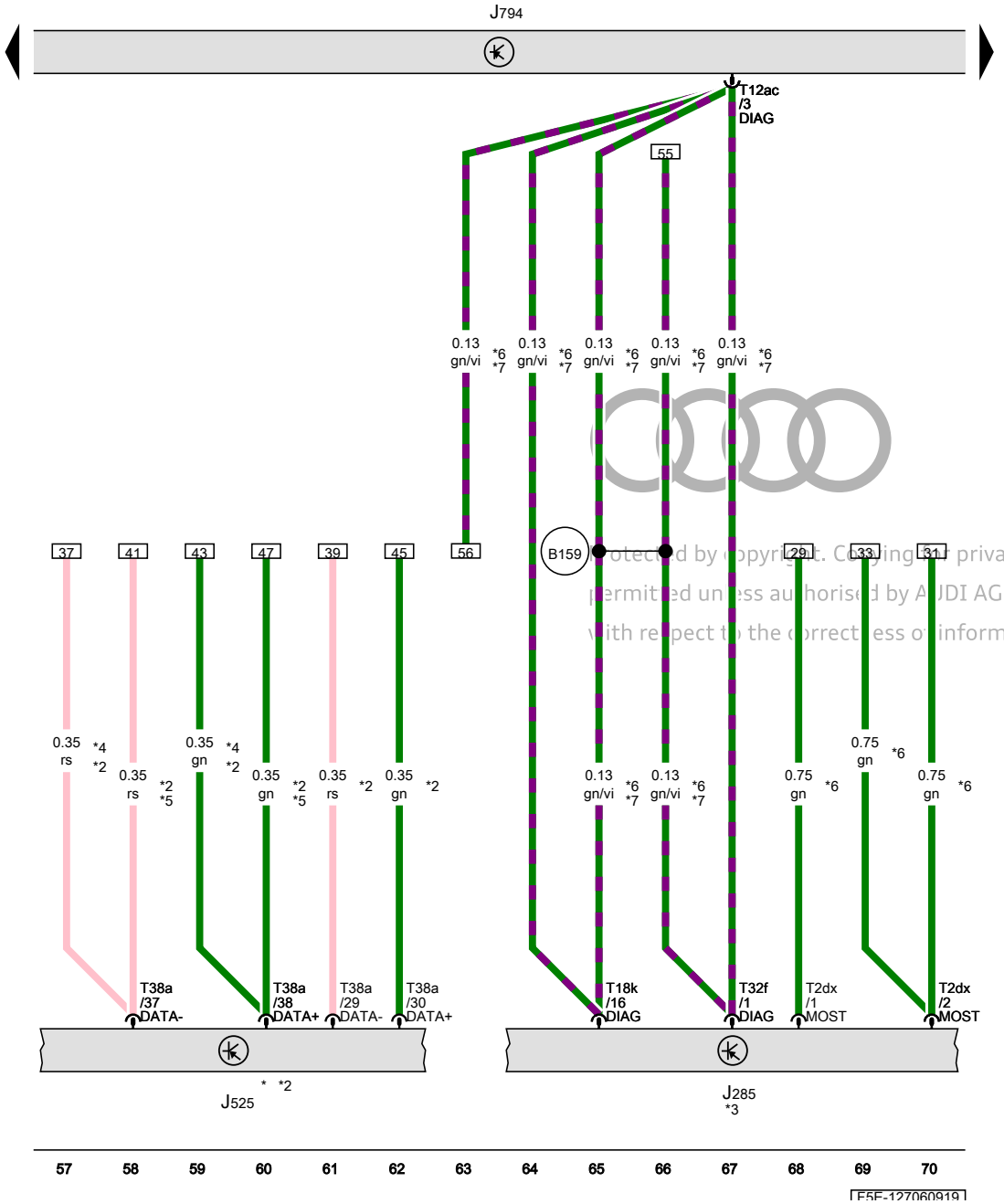

Digital sound package control unit, Control unit 1 for information electronics

J285	Control unit in dash panel insert
J525	Digital sound package control unit
J794	Control unit 1 for information electronics
T2dx	2-pin connector, black
T12ac	12-pin connector, grey
T18k	18-pin connector, black
T32f	32-pin connector, grey
T38a	38-pin connector, black
B159	Connection (diagnosis), in interior wiring harness
*	see applicable current flow diagram for sound system
*2	For models with Bang & Olufsen sound system
*3	see applicable current flow diagram for dash panel insert
*4	From December 2019
*5	Up to November 2019
*6	see applicable current flow diagram for infotainment MOST bus
*7	According to equipment

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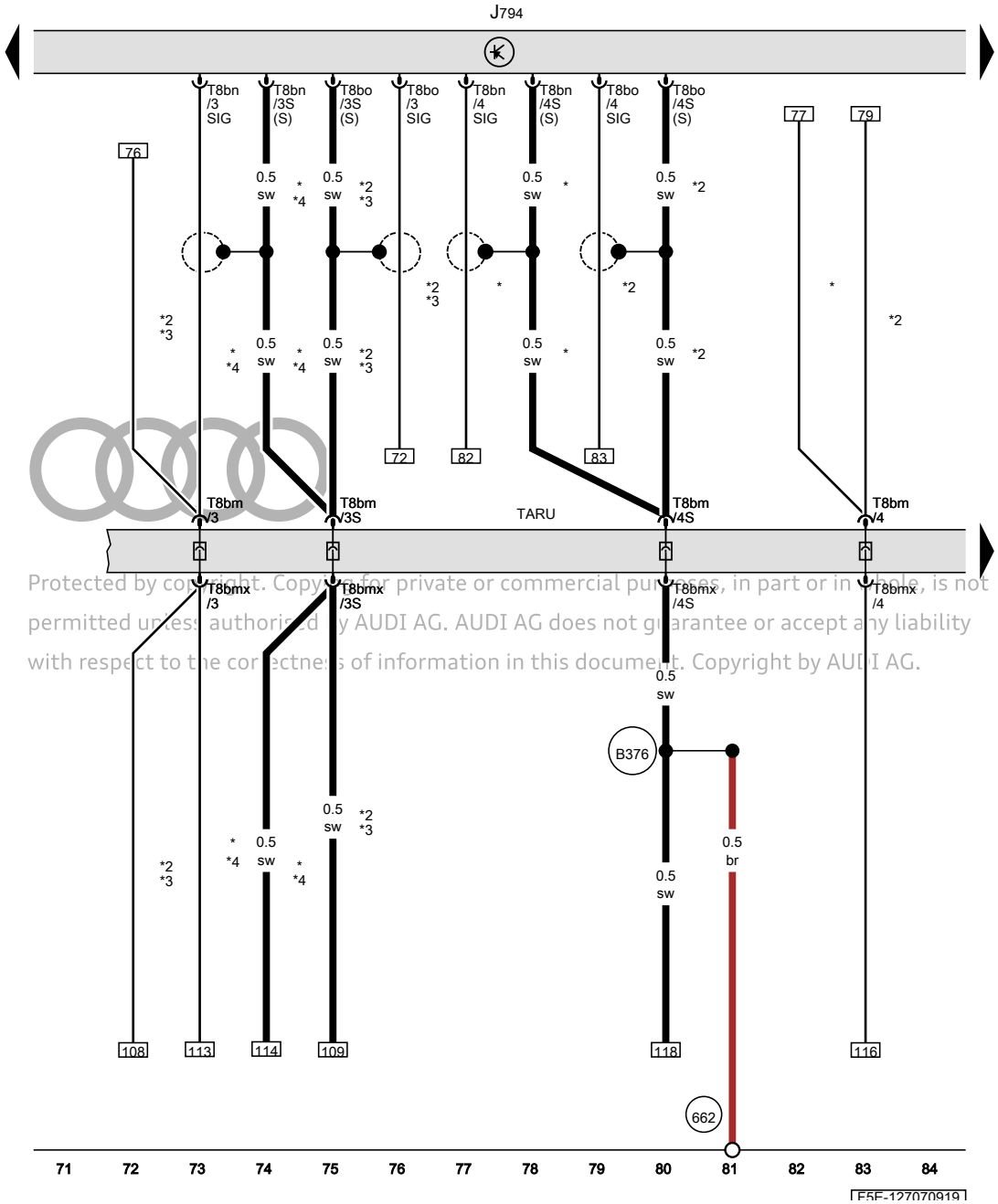
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Control unit 1 for information electronics

J794	Control unit 1 for information electronics
T8bm	8-pin connector, white
T8bmx	8-pin connector, white
T8bn	8-pin connector, light blue
T8bo	8-pin connector, black
TARU	Coupling point on right A-pillar, bottom
662	Earth point, rear left side panel
B376	Connection 6 (aerial), in main wiring harness
*	Not for American markets
*2	For American markets
*3	For models with satellite radio
*4	For models with digital radio

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
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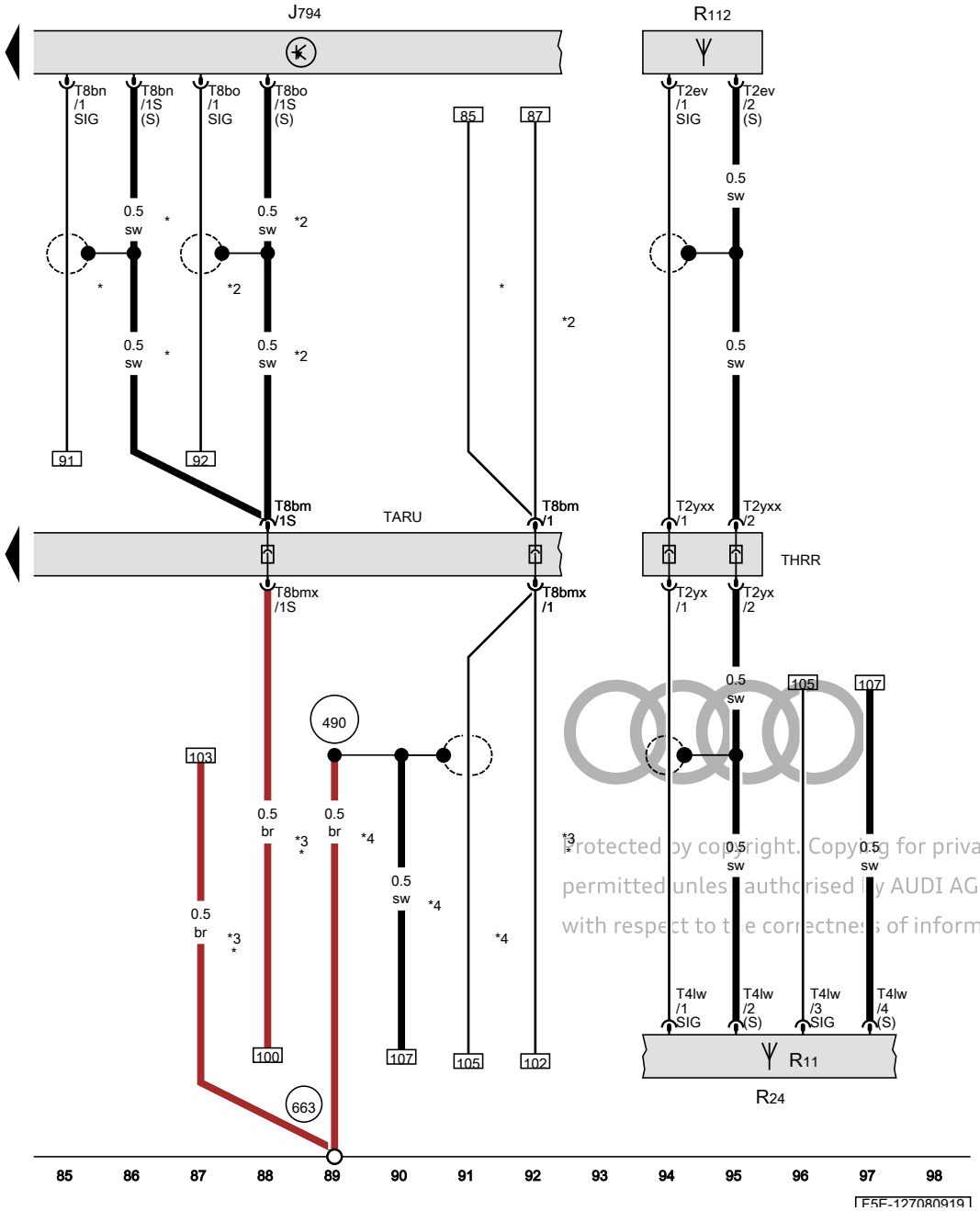

Control unit 1 for information electronics, Aerial amplifier, Aerial amplifier 3

J794	Control unit 1 for information electronics
R11	Aerial
R24	Aerial amplifier
R112	Aerial amplifier 3
T2ev	2-pin connector, grey
T2yx	2-pin connector, white
T2yxx	2-pin connector, white
T4lw	4-pin connector, brown, green
T8bm	8-pin connector, white
T8bmx	8-pin connector, white
T8bn	8-pin connector, light blue
T8bo	8-pin connector, black
TARU	Coupling point on right A-pillar, bottom
THRR	Coupling point in luggage compartment, right
490	Earth connection (screening 2), in radio-navigation system wiring harness
663	Earth point, rear right side panel
*	Not for American markets
*2	For American markets
*3	For models with digital radio
*4	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
vi	=	purple
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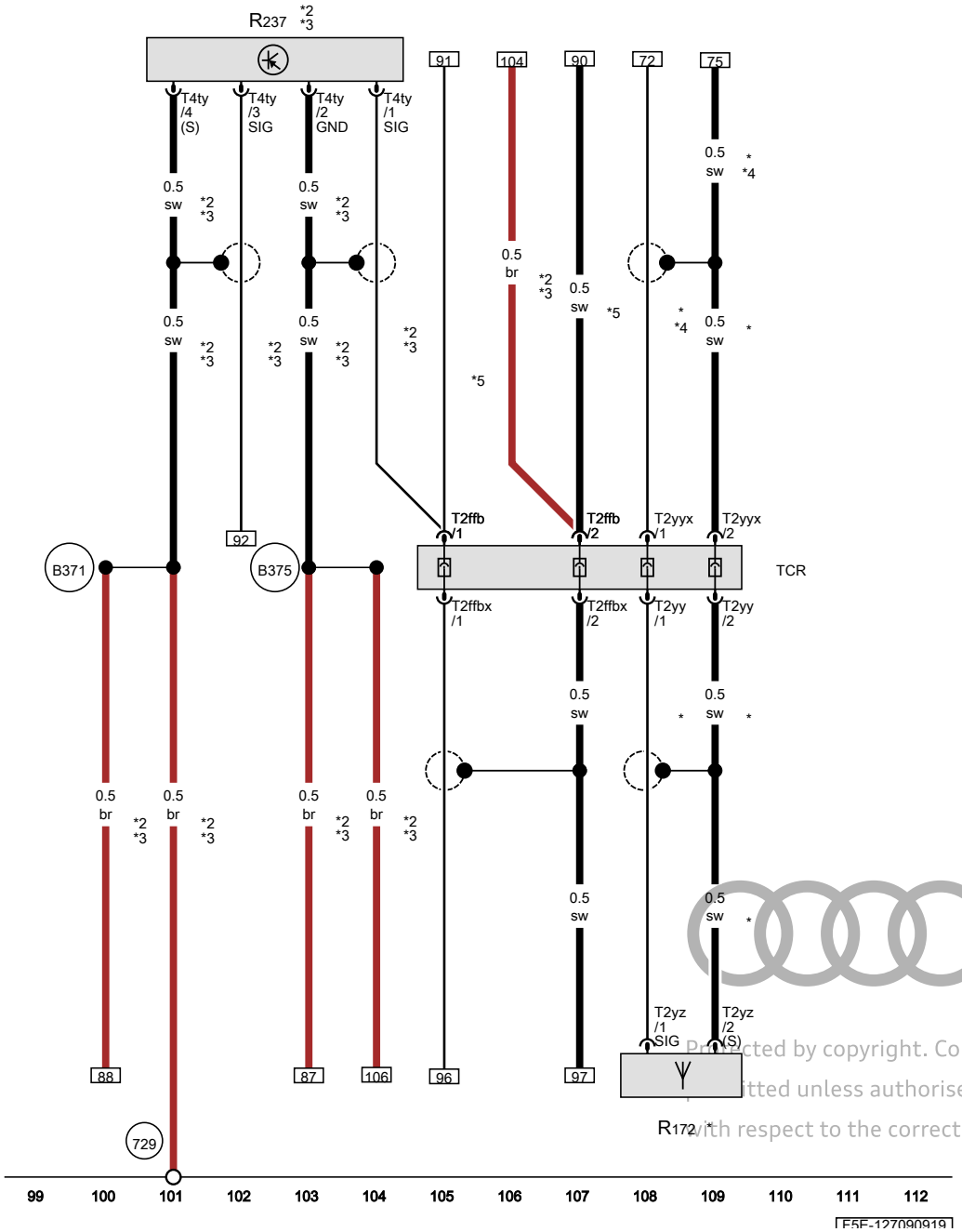

Satellite tuner aerial, Impedance converter for digital radio reception

R172	Satellite tuner aerial
R237	Impedance converter for digital radio reception
T2ffb	2-pin connector, green
T2ffbx	2-pin connector, green
T2yy	2-pin connector, grey
T2yyx	2-pin connector, grey
T2yz	2-pin connector, green
T4ty	4-pin connector, green
TCR	Coupling point on right C-pillar, in rear right side panel
729	Earth point, on left rear wheel housing
B371	Connection 1 (aerial), in main wiring harness
B375	Connection 5 (aerial), in main wiring harness
*	For American markets
*2	For models with digital radio
*3	Not for American markets
*4	For models with satellite radio
*5	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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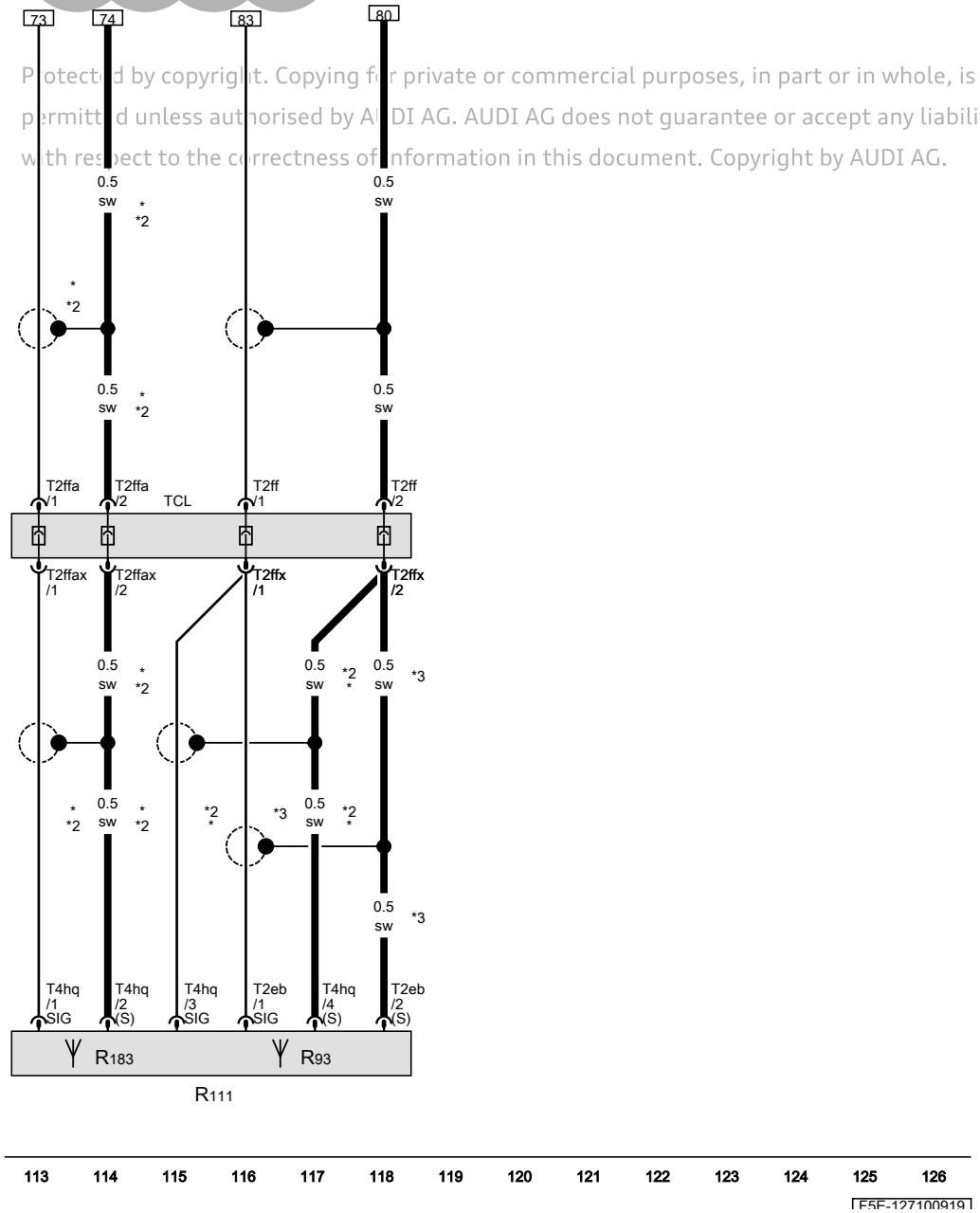

Aerial amplifier 2

R93	Radio aerial 2
R111	Aerial amplifier 2
R183	Digital radio aerial
T2eb	2-pin connector, light brown
T2ff	2-pin connector, yellow
T2ffa	2-pin connector, black
T2ffax	2-pin connector, black
T2ffx	2-pin connector, yellow
T4hq	4-pin connector, light brown
TCL	Coupling point on left C-pillar, in rear left side panel
*	Not for American markets
*2	For models with digital radio
*3	According to equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
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gn	=	green
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or	=	orange
rs	=	pink

1 Earth points

1.1 Overview of earth points

764 - Earth point, in front left wheel housing

- ❑ Specified torque 9 Nm

671 - Earth point 1, on front of left longitudinal member

- ❑ Specified torque 9 Nm

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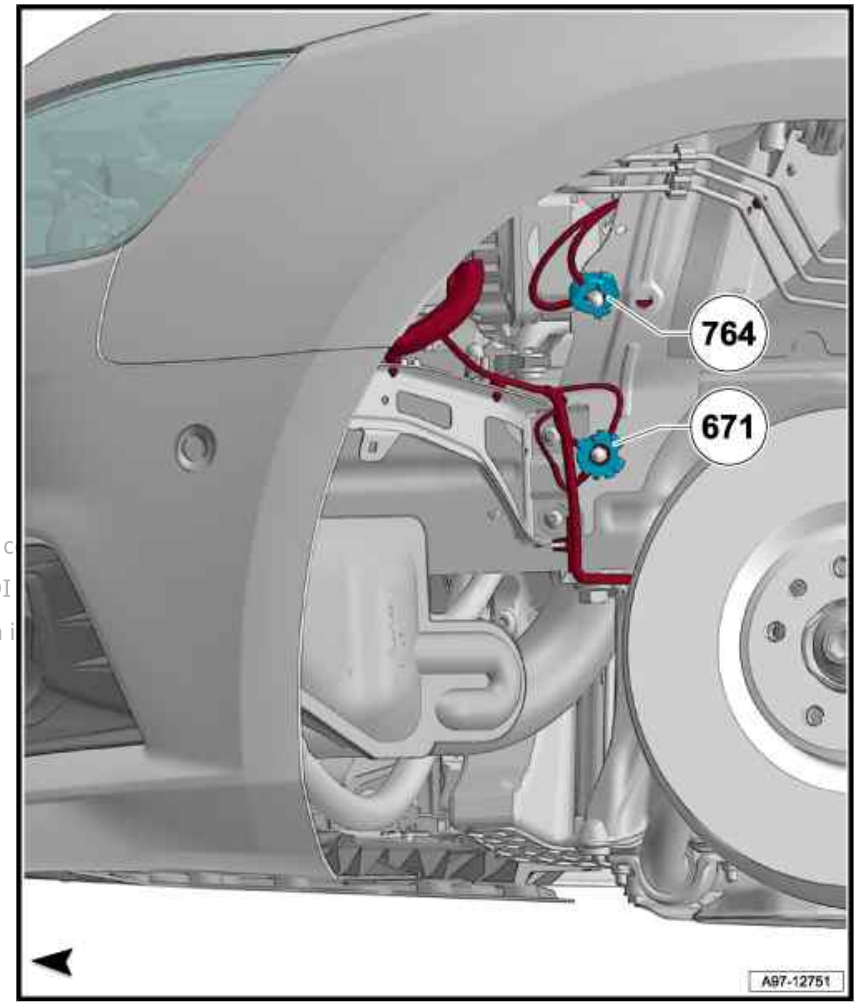
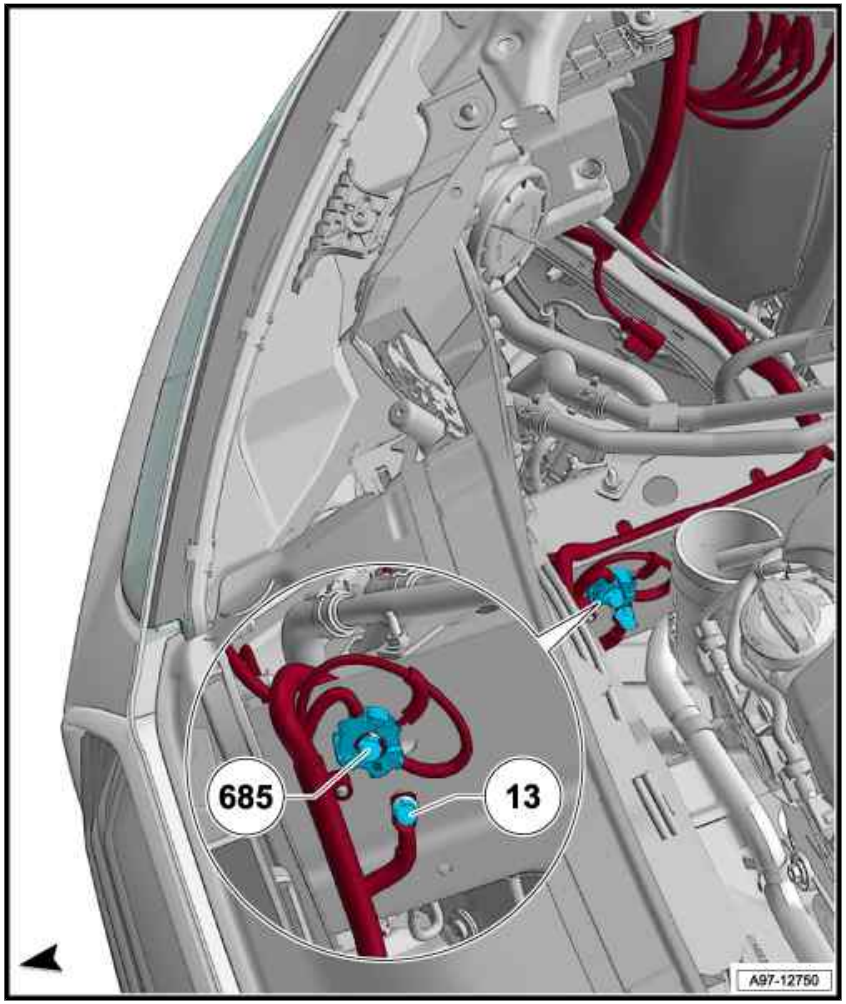


13 - Earth point, on right in engine compartment

- ❑ Specified torque 9 Nm

685 - Earth point 1, on front of right longitudinal member

- ❑ Specified torque 9 Nm



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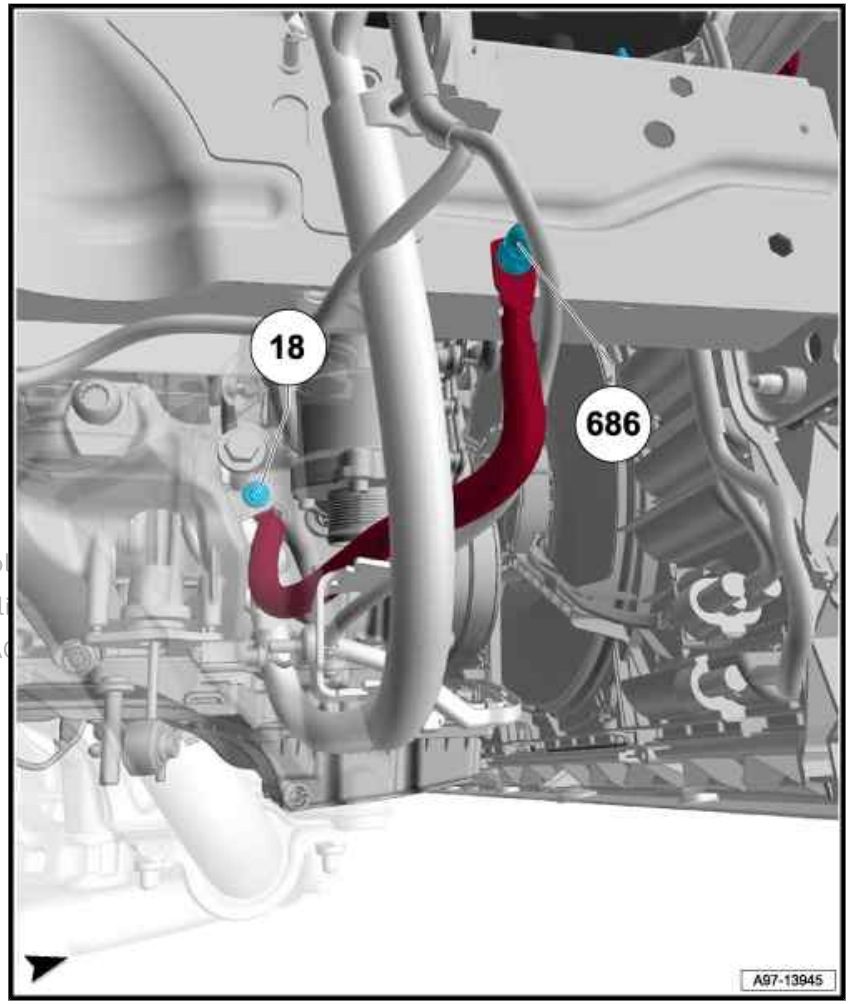
18 - Earth point, on cylinder block

- ❑ Specified torque 20 Nm

686 - Earth point 2, on front of right longitudinal member

- ❑ Specified torque 20 Nm



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828 - Earth point on right suspension turret

- ❑ Specified torque 9 Nm

608 - Earth point, central in plenum chamber

- ❑ Specified torque 9 Nm

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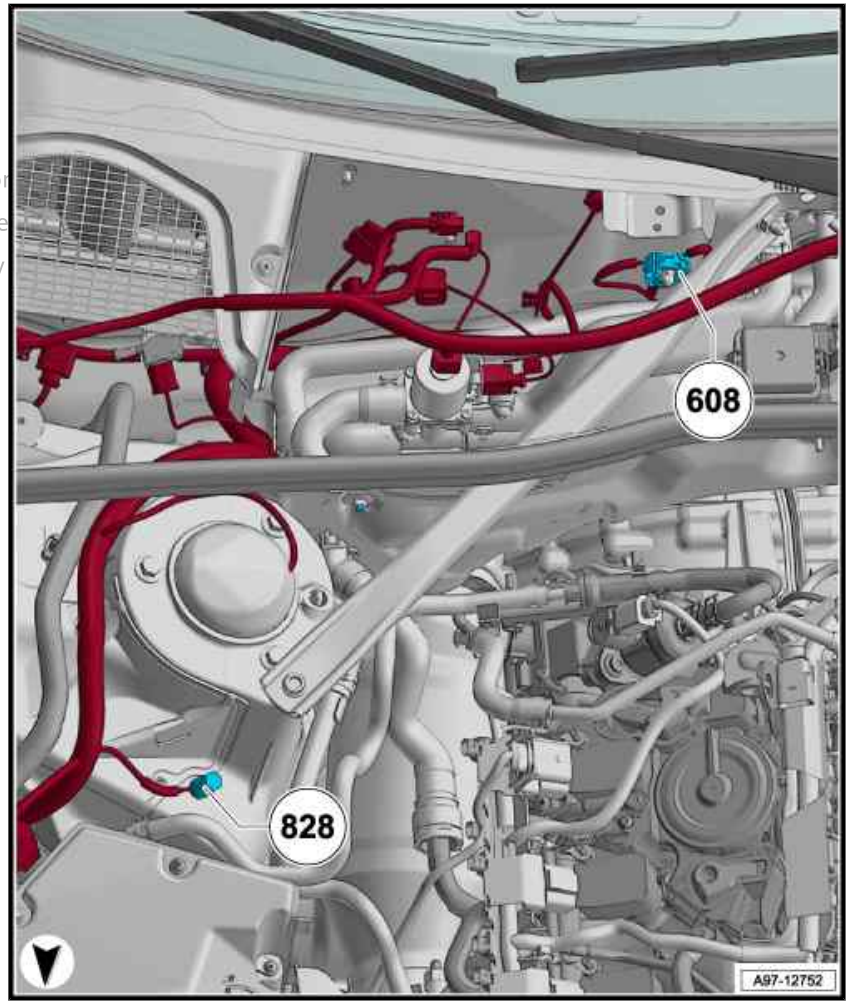


Earth points on cylinder head, 4 cylinder petrol engines

846 - Earth point on ignition coil 1

- ❑ for 6-cylinder petrol engines ⇒ item 846 (page 6)
- ❑ Specified torque 9 Nm

847 - Earth point on ignition coil 2

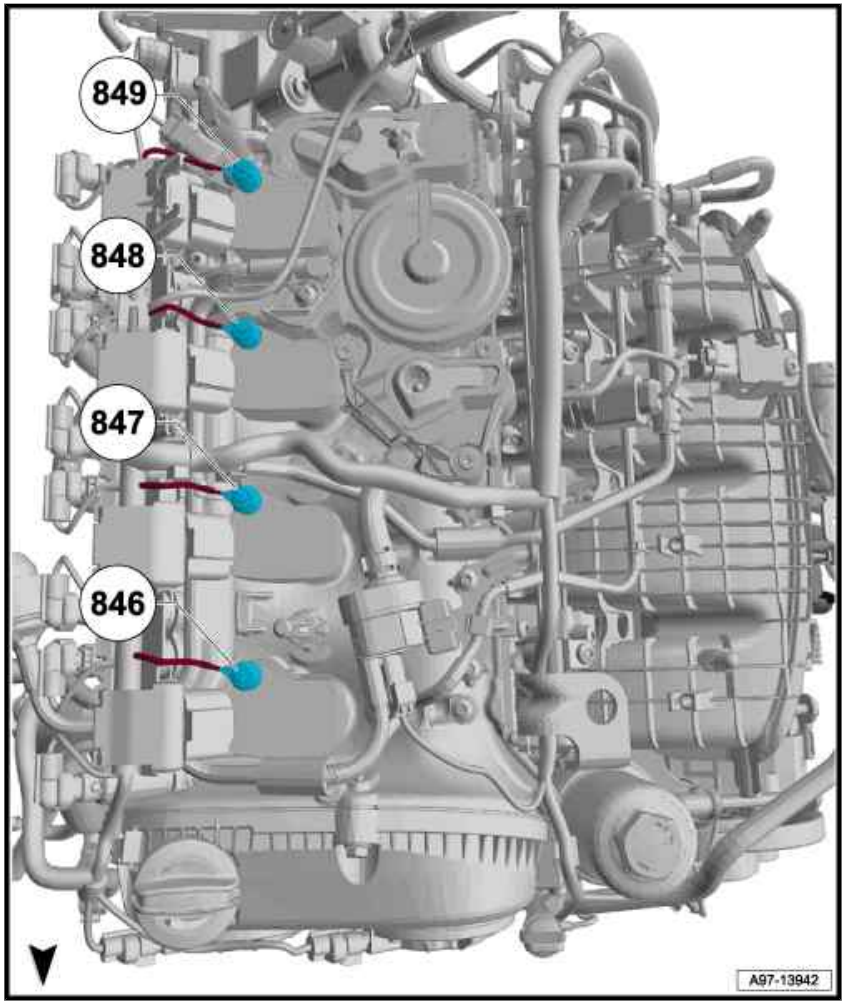
- ❑ for 6-cylinder petrol engines ⇒ item 847 (page 6)
- ❑ Specified torque 9 Nm

848 - Earth point on ignition coil 3

- ❑ for 6-cylinder petrol engines ⇒ item 848 (page 6)
- ❑ Specified torque 9 Nm

849 - Earth point on ignition coil 4

- ❑ for 6-cylinder petrol engines ⇒ item 849 (page 6)
- ❑ Specified torque 9 Nm



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Earth points on cylinder head, 6 cylinder petrol engines

846 - Earth point on ignition coil 1

- ❑ Specified torque 9 Nm

847 - Earth point on ignition coil 2

- ❑ Specified torque 9 Nm

848 - Earth point on ignition coil 3

- ❑ Specified torque 9 Nm

849 - Earth point on ignition coil 4

- ❑ Specified torque 9 Nm

850 - Earth point on ignition coil 5

- ❑ Specified torque 9 Nm

851 - Earth point on ignition coil 6

- ❑ Specified torque 9 Nm

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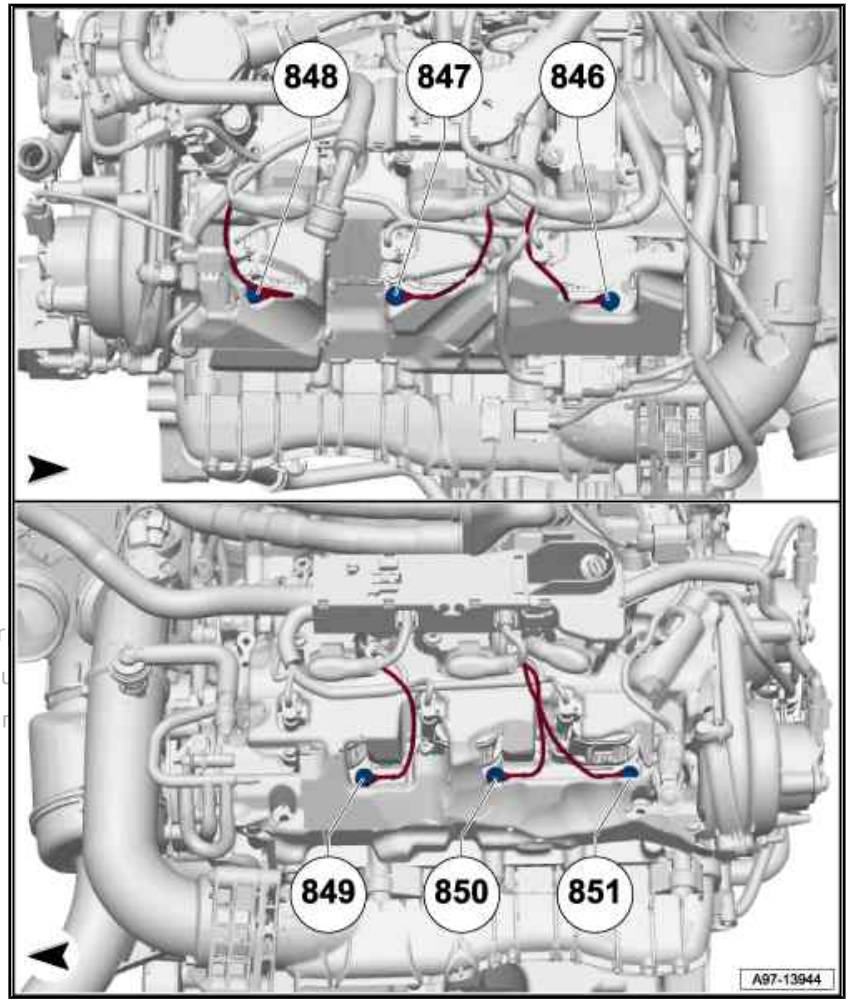

35 - Earth point, under front passenger seat

- ❑ For American markets
- ❑ Specified torque 5 Nm

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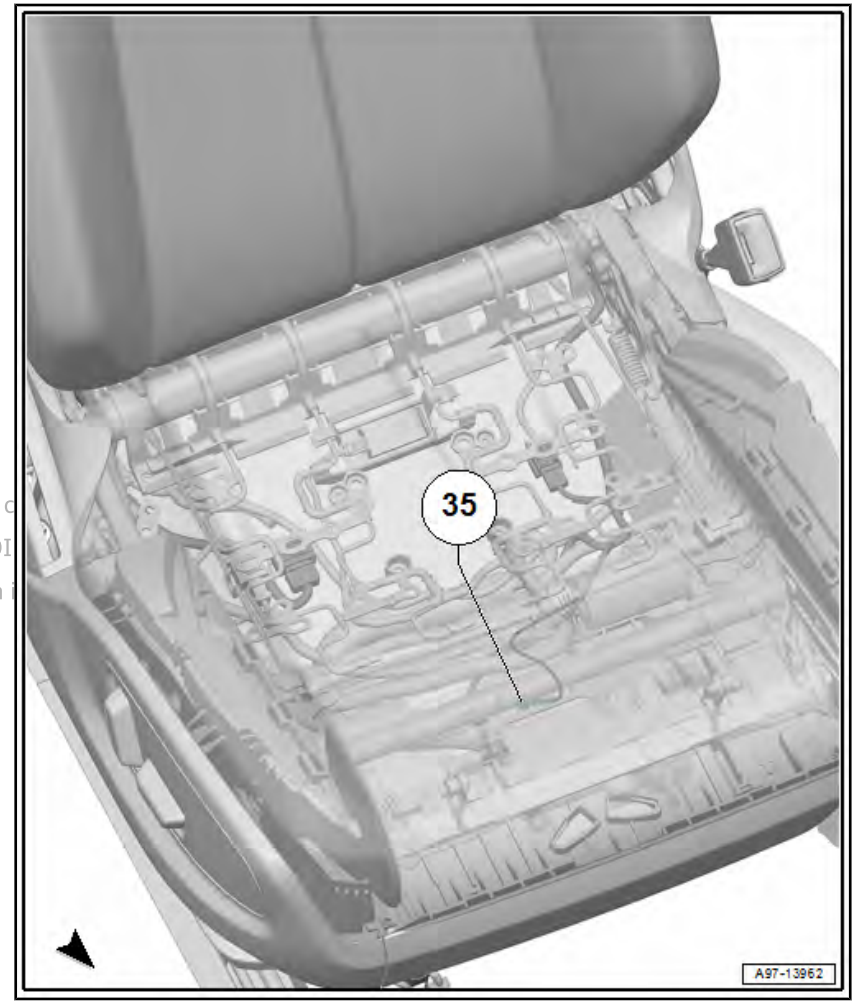

47 - Earth point, in front right footwell

- ❑ Specified torque 9 Nm

687 - Earth point 1, on centre tunnel

- ❑ Specified torque 9 Nm

741 - Earth point under seat on front left

- ❑ Specified torque 9 Nm

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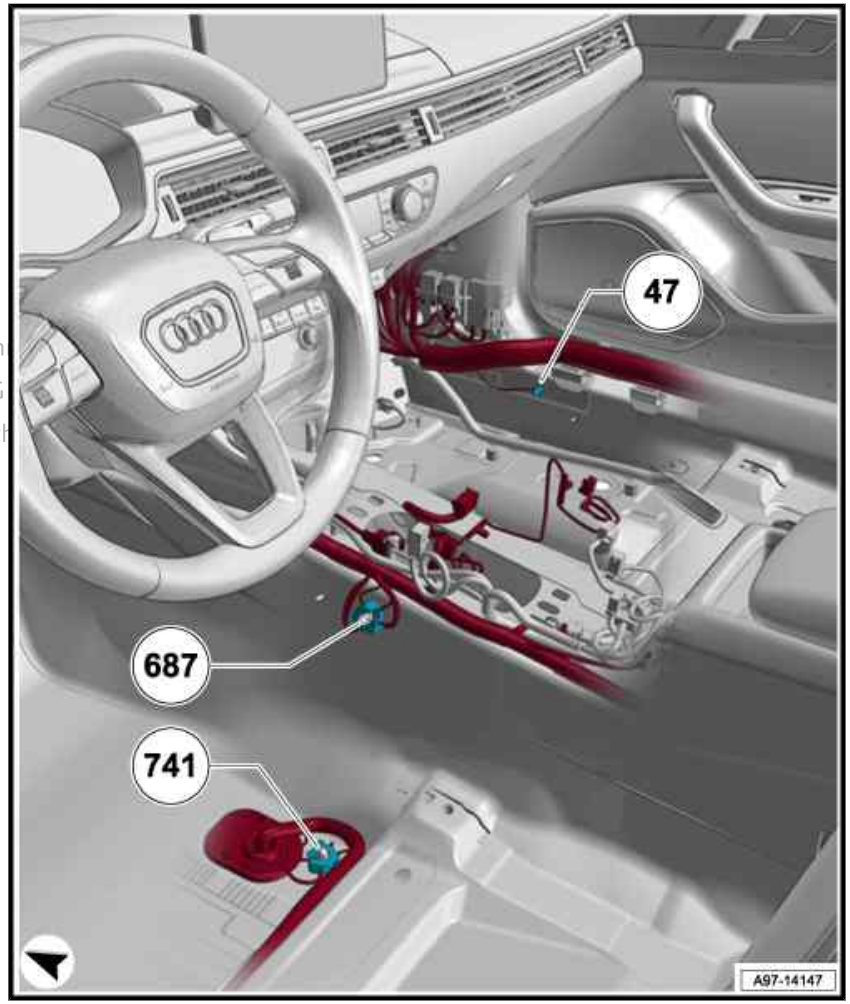

758 - Earth point 3, on centre tunnel

- ❑ Specified torque 9 Nm

688 - Earth point 2, on centre tunnel

- ❑ Specified torque 9 Nm

602 - Earth point, in front left footwell

- ❑ Specified torque 9 Nm

893 - Earth point 2 on left B-pillar

- ❑ Specified torque 9 Nm

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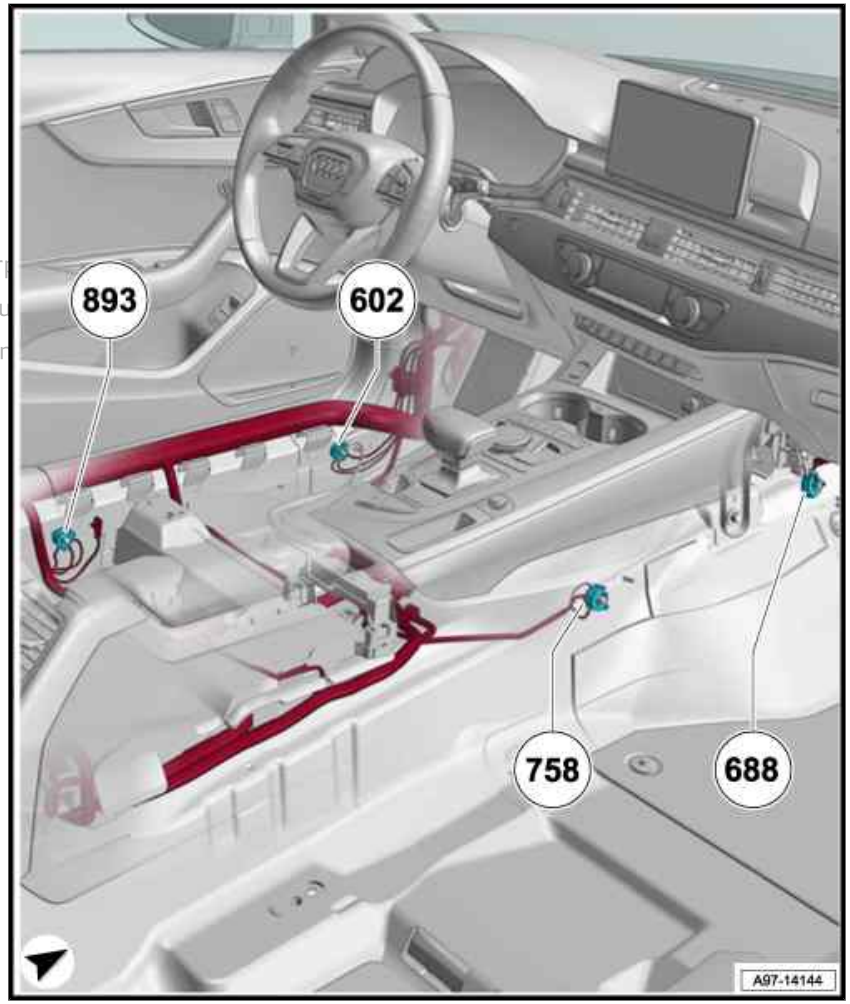
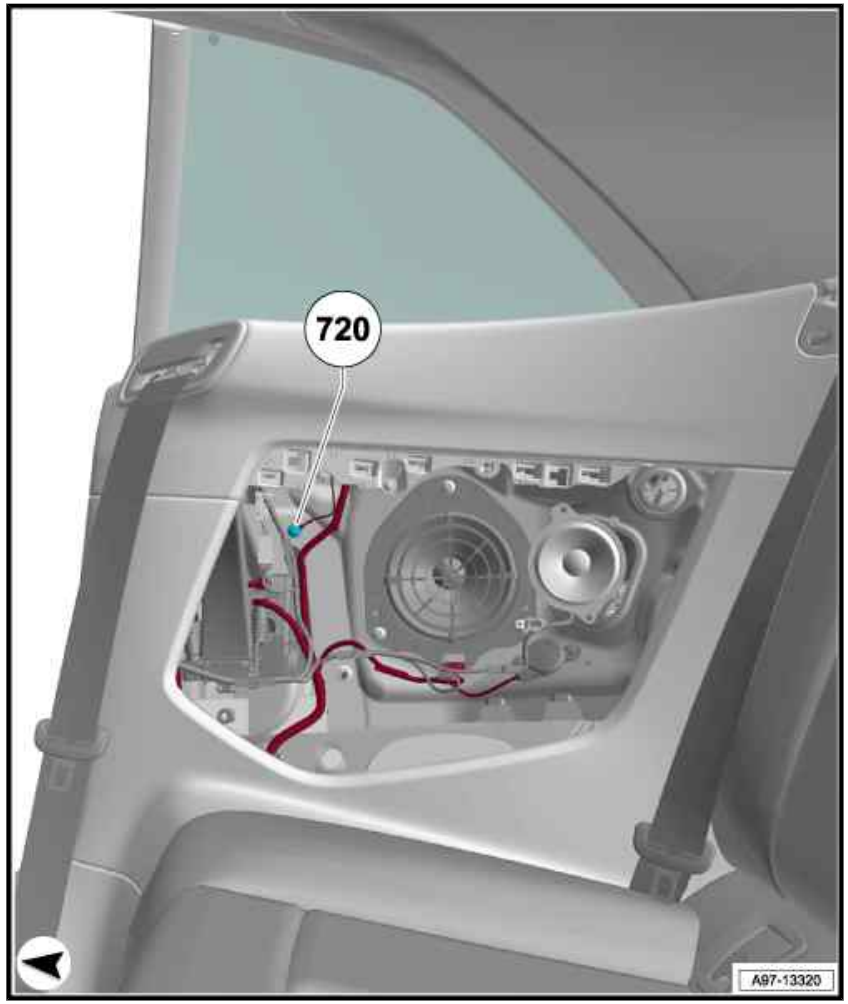


720 - Earth point on right B-pillar

- ❑ Only Cabriolet models
- ❑ Specified torque 1.5 Nm



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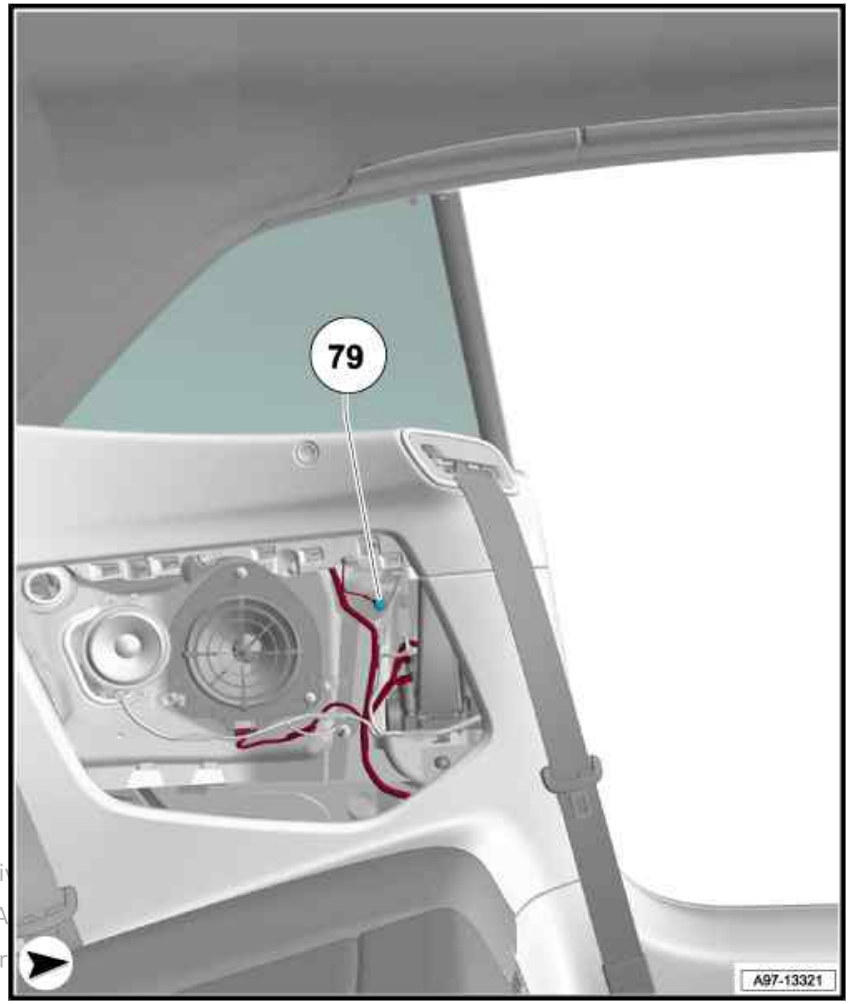
79 - Earth point on left B-pillar

- ❑ Only Cabriolet models
- ❑ Specified torque 1.5 Nm



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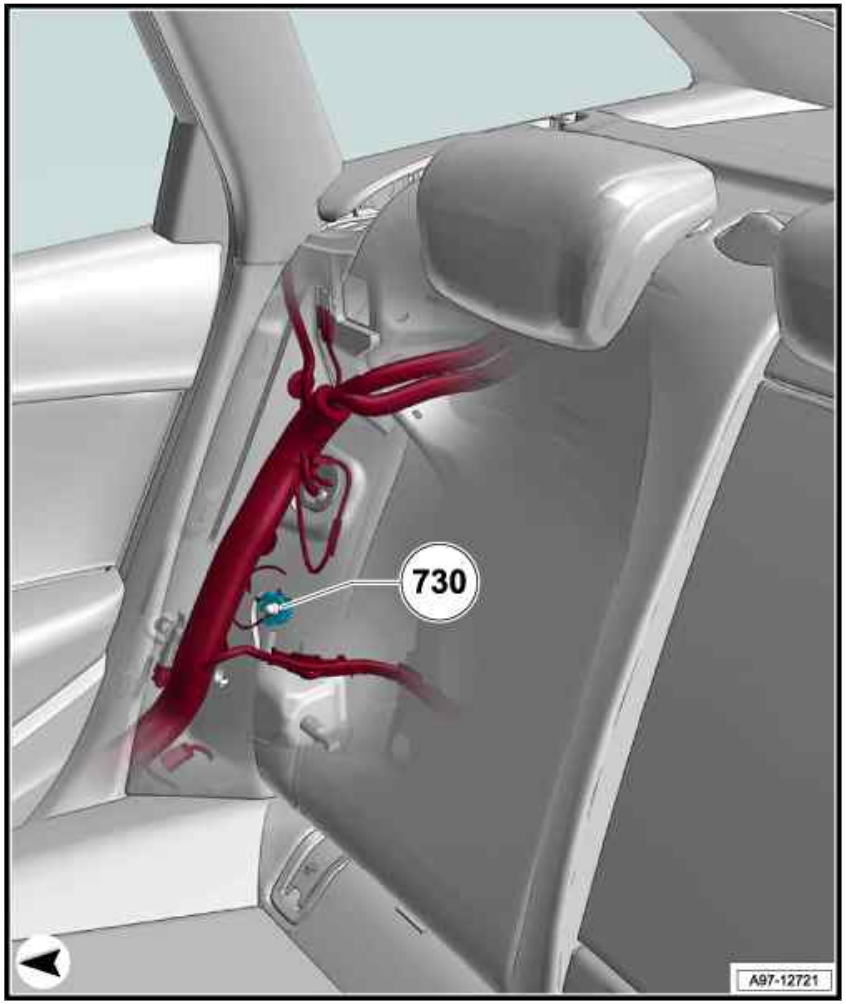
730 - Earth point 1, on right rear wheel housing

- ❑ Only Coupé or Sportback models
- ❑ For Cabriolet ⇒ item 730 (page 13)
- ❑ Specified torque 9 Nm



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730 - Earth point 1, on right rear wheel housing

- ❑ Only Cabriolet models
- ❑ Specified torque 9 Nm

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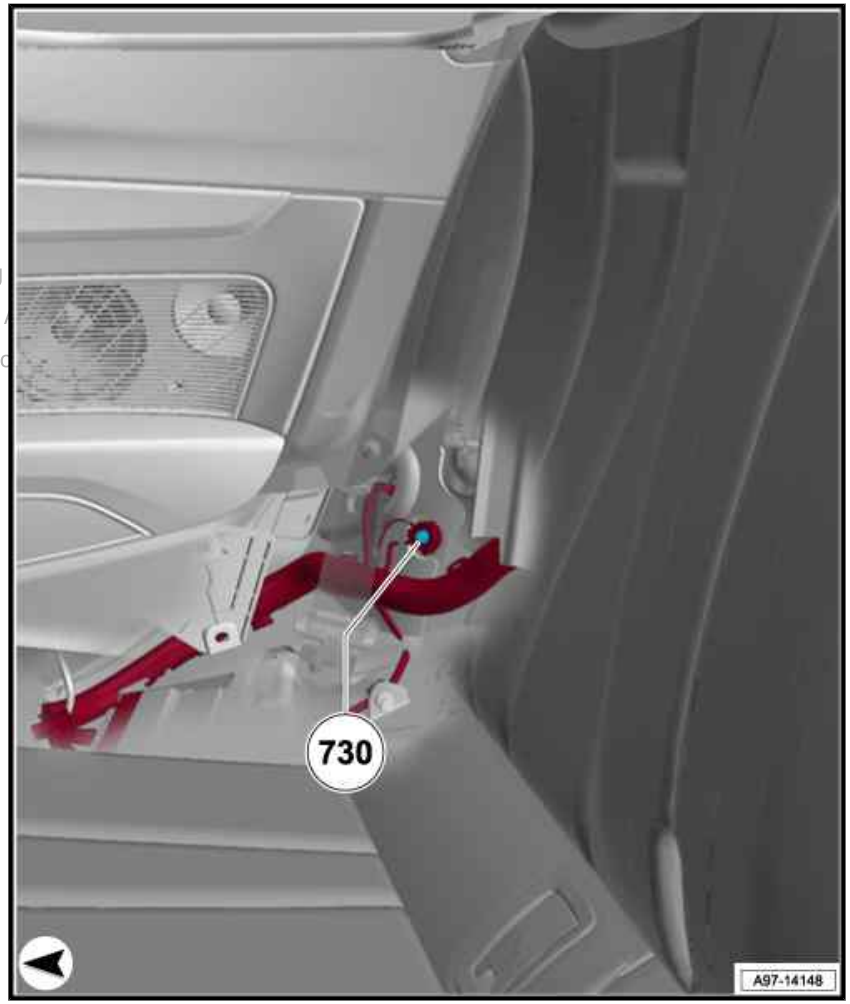
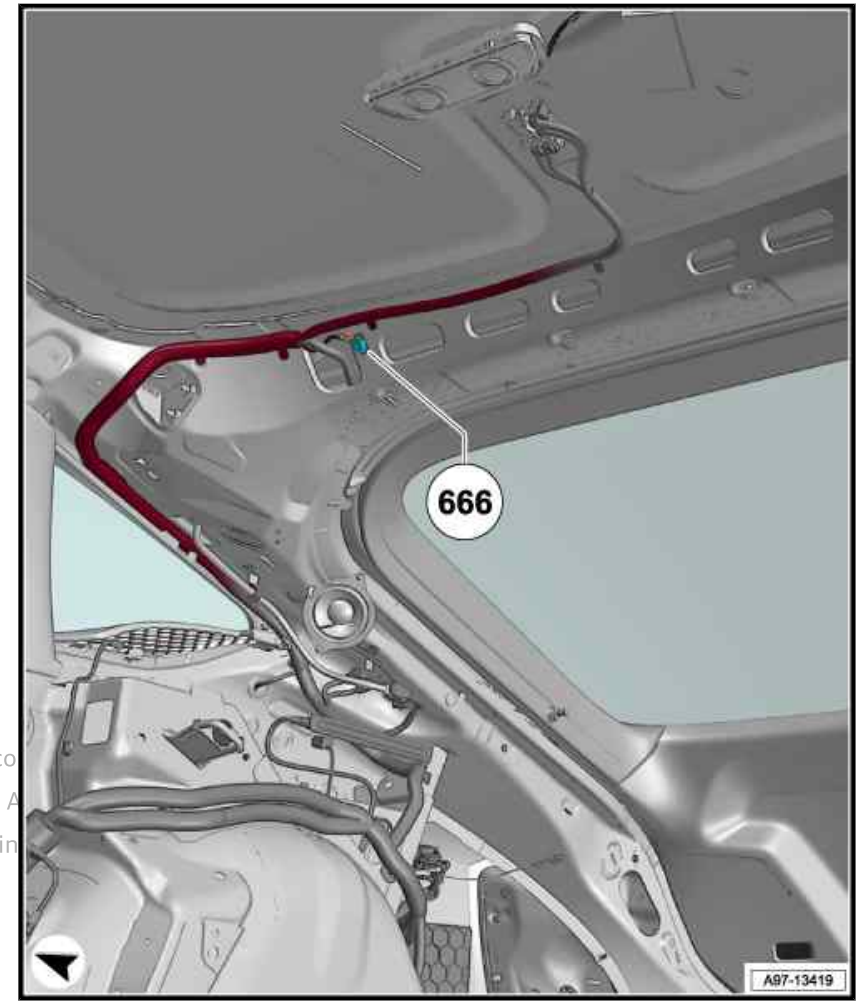


666 - Earth point, on rear right of roof

- ❑ Specified torque 1.5 Nm



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667 - Earth point, on rear left of roof

- ❑ Specified torque 1.5 Nm

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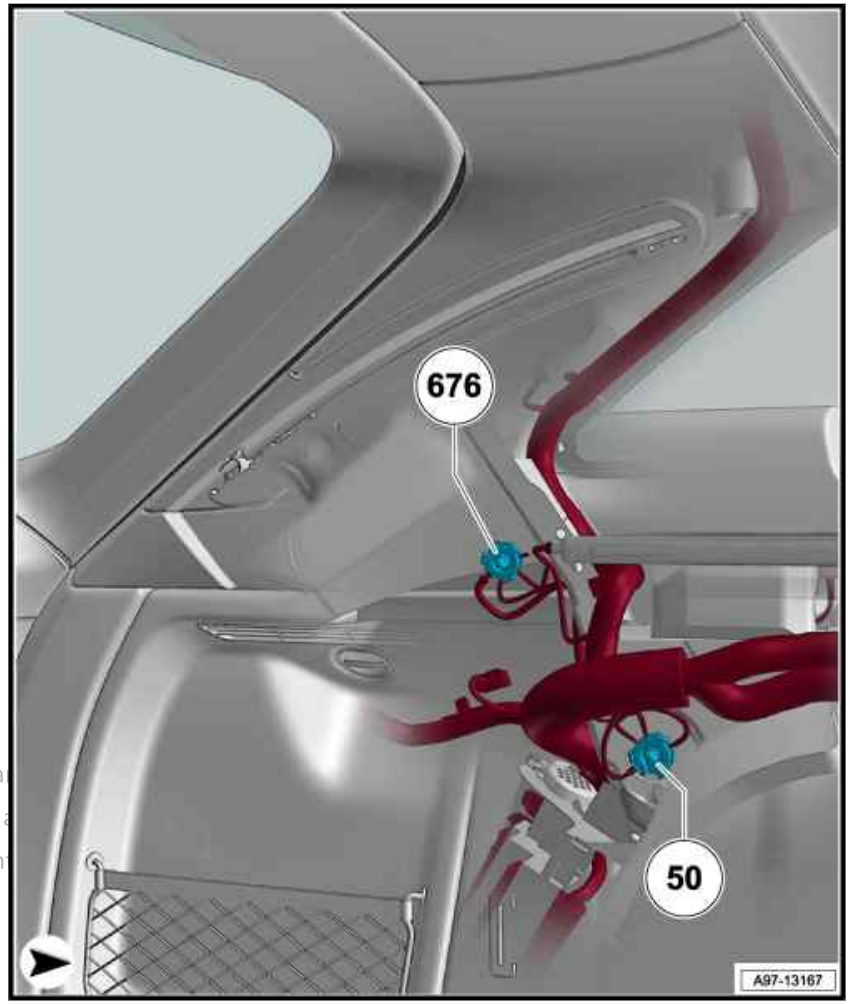
676 - Earth point 2, on left in boot

- ❑ Only Coupé or Sportback models
- ❑ For Cabriolet ⇒ item 676 (page 17)
- ❑ Specified torque 9 Nm

50 - Earth point, on left in boot

- ❑ Only Coupé or Sportback models
- ❑ For Cabriolet ⇒ item 50 (page 18)
- ❑ Specified torque 9 Nm



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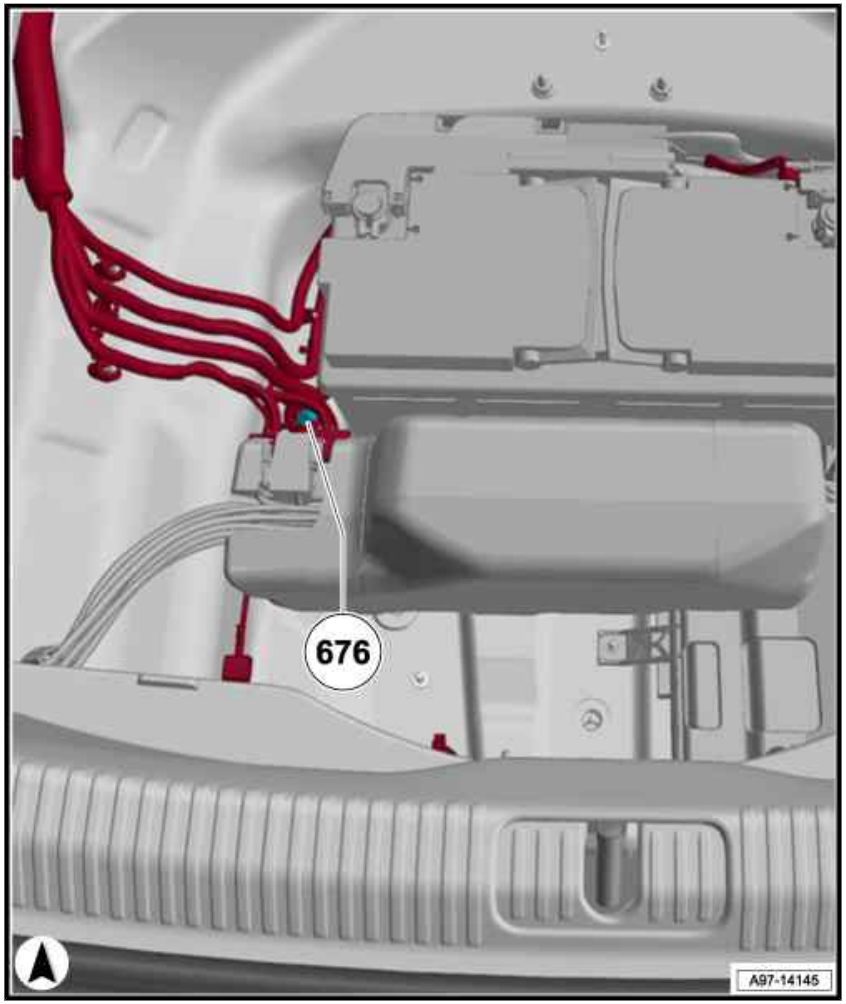
676 - Earth point 2, on left in boot

- ❑ Only Cabriolet models
- ❑ Specified torque 9 Nm



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50 - Earth point, on left in boot

- ❑ Only Cabriolet models
- ❑ Specified torque 9 Nm

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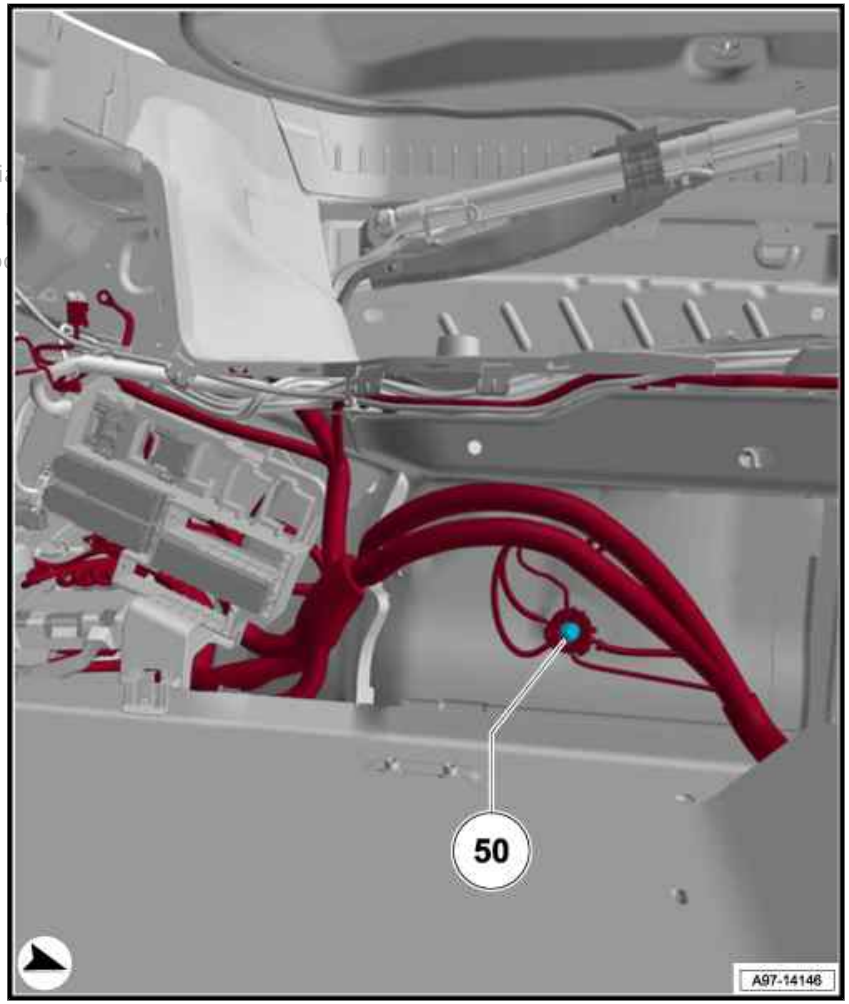
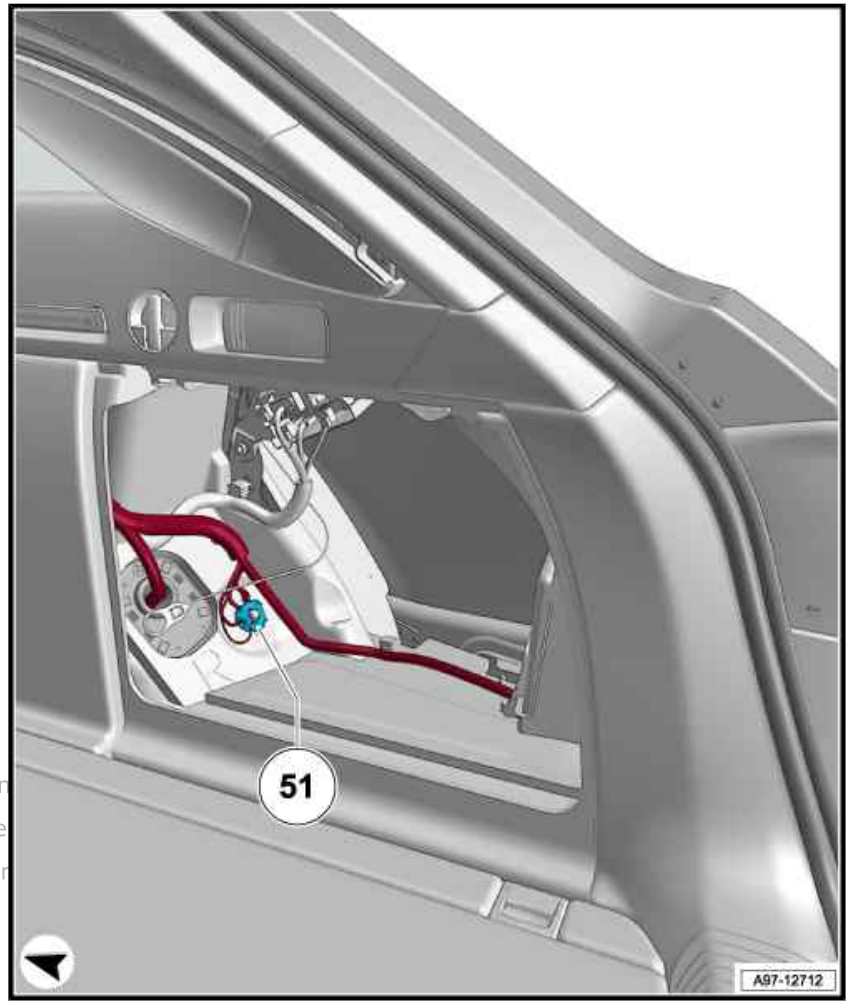


51 - Earth point, on right in boot

- ❑ Only Coupé or Sportback models
- ❑ For Cabriolet models ⇒ item 51 (page 20)
- ❑ Specified torque 9 Nm



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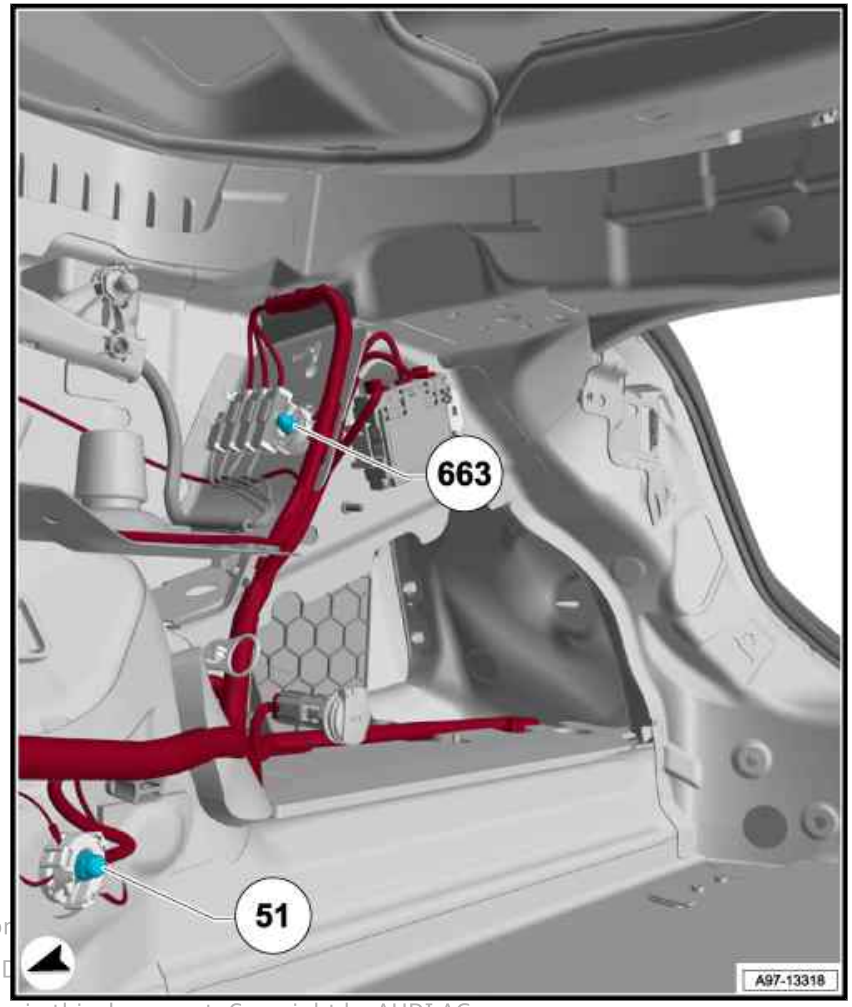
51 - Earth point, on right in boot

- ❑ Only Cabriolet models
- ❑ Specified torque 9 Nm

663 - Earth point, rear right side panel

- ❑ Only Cabriolet models
- ❑ Specified torque 9 Nm



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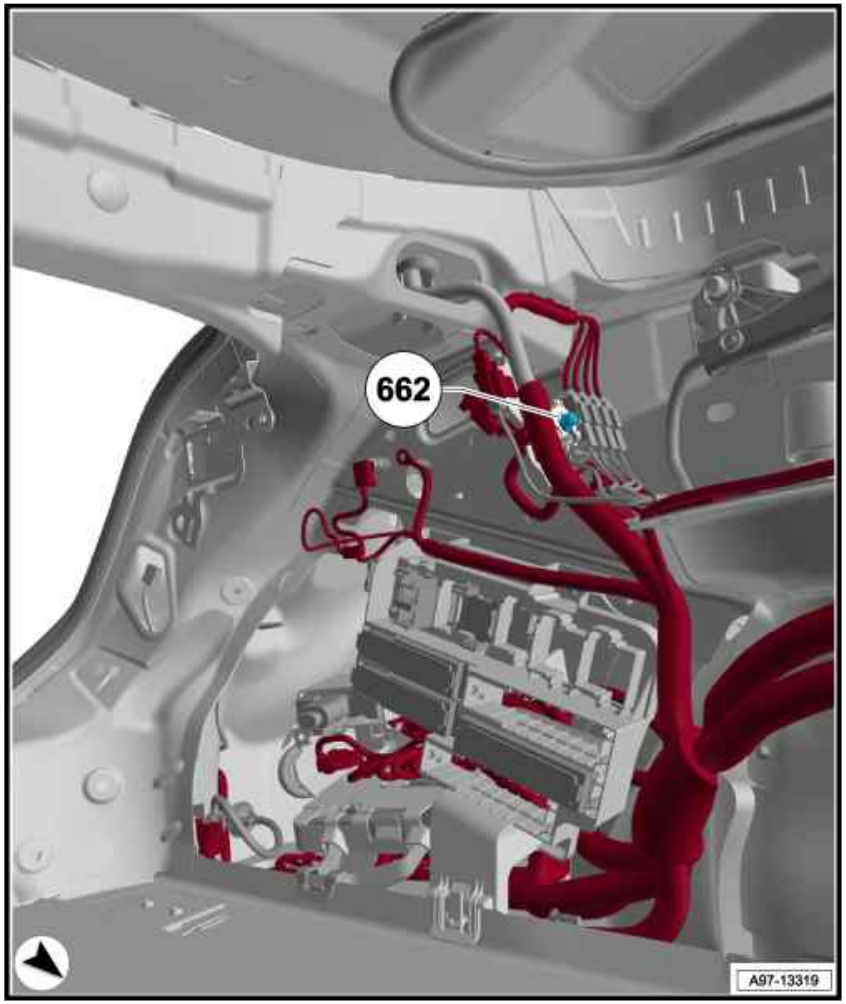
662 - Earth point, rear left side panel

- ❑ Only Cabriolet models
- ❑ Specified torque 9 Nm



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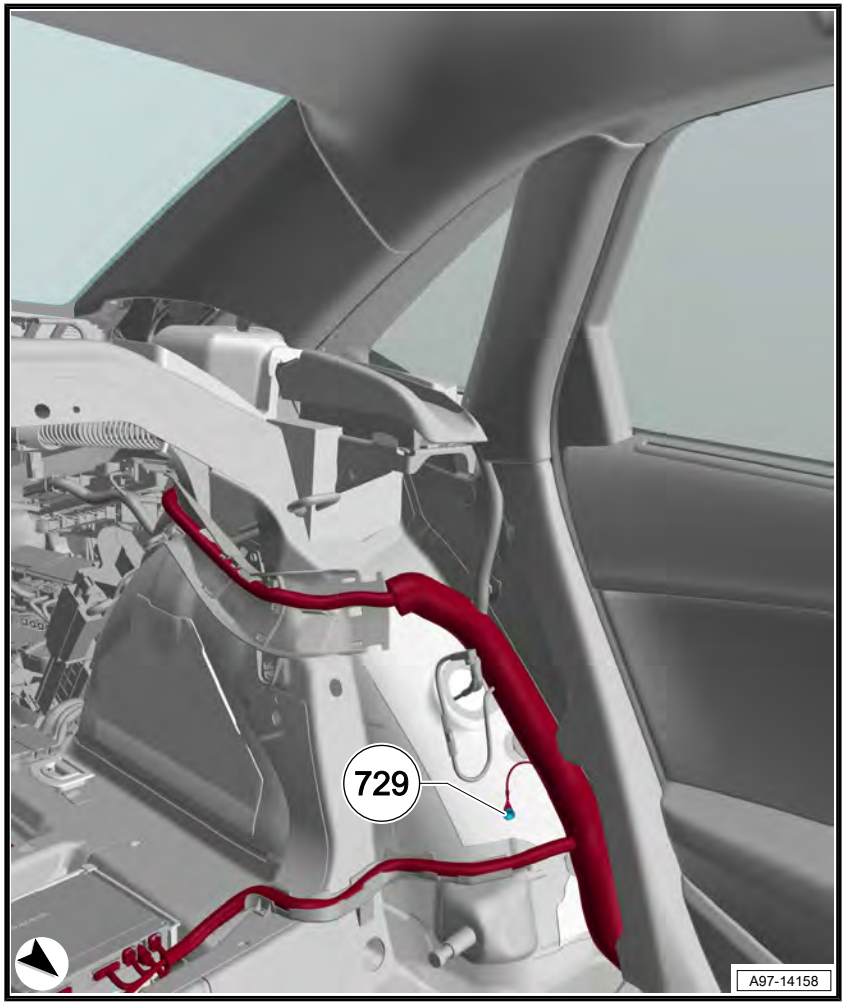
729 - Earth point, on left rear wheel housing

- ❑ Specified torque 9 Nm



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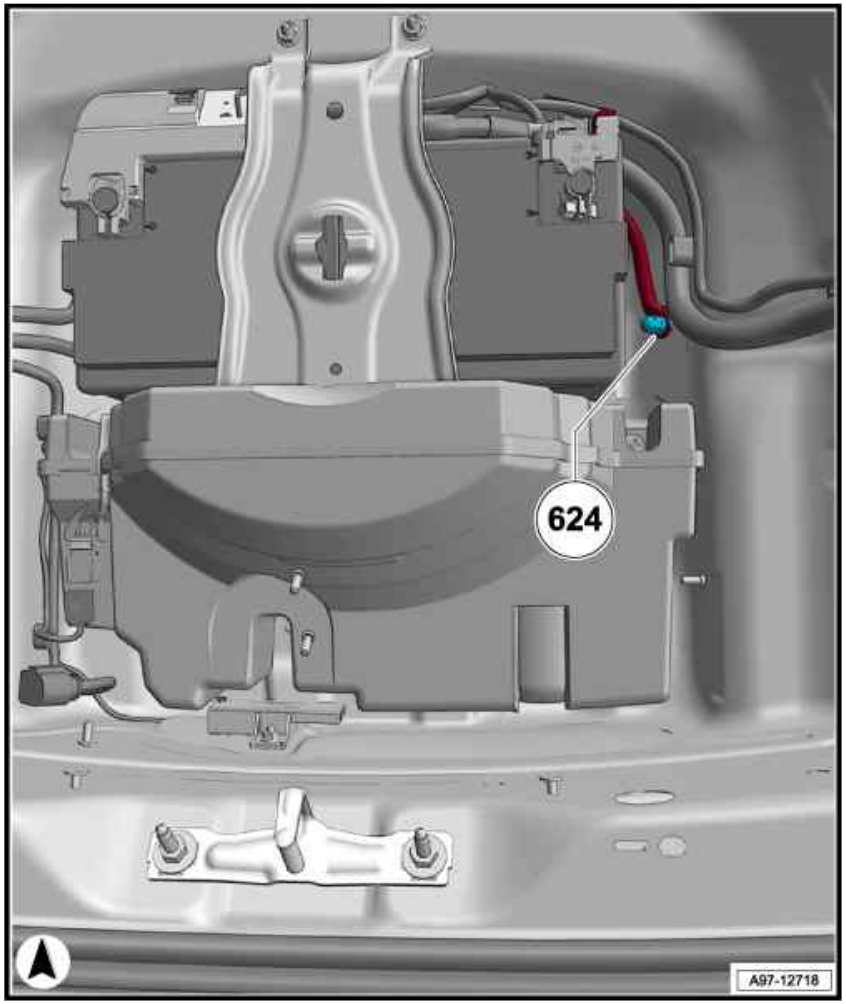
624 - Earth point, starter battery

- ❑ For models without 12 volt hybrid system
- ❑ For models without 48 volt hybrid system
- ❑ Specified torque 18 Nm



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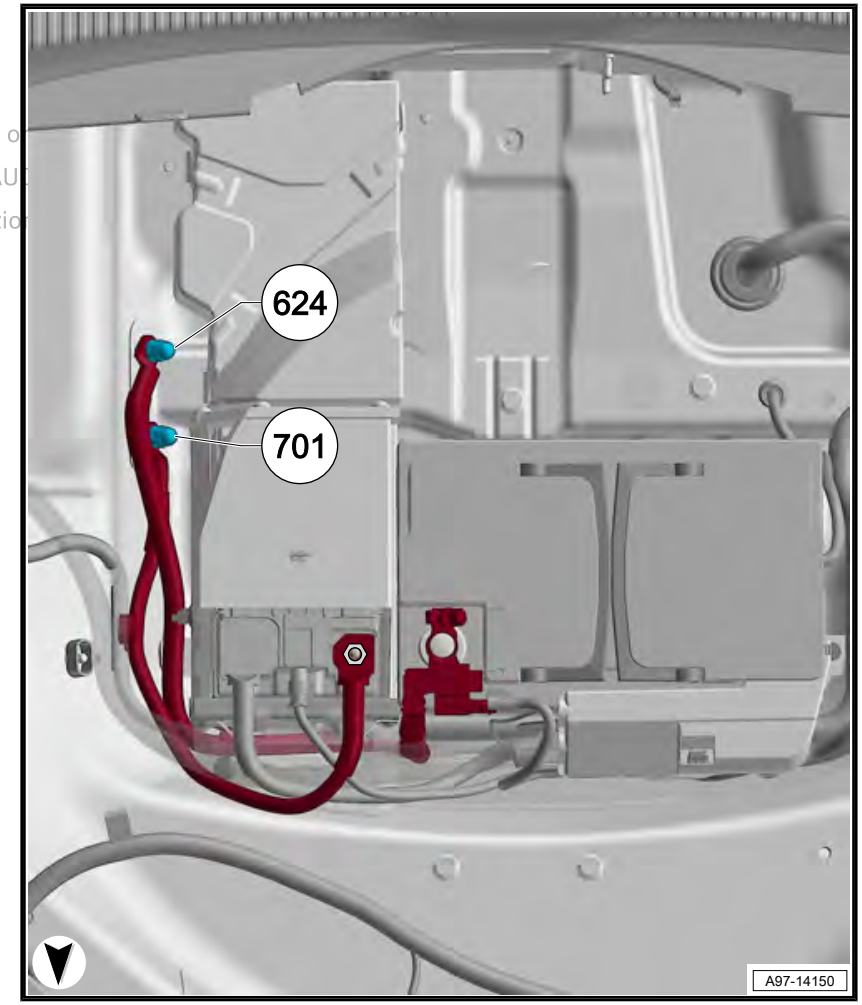
624 - Earth point, starter battery

- ❑ for vehicles with 12 volt hybrid system
- ❑ for models with 48 volt hybrid system ⇒ item 624 (page 25)
- ❑ for models without 12 volt hybrid system ⇒ item 624 (page 23)
- ❑ for models without 48 volt hybrid system ⇒ item 624 (page 23)
- ❑ for natural gas models ⇒ item 624 (page 26)
- ❑ Specified torque 18 Nm

701 - Earth point in boot

- ❑ for vehicles with 12 volt hybrid system
- ❑ Specified torque 18 Nm



624 - Earth point, starter battery

- ❑ for vehicles with 48 volt hybrid system
- ❑ Specified torque 18 Nm

744 - Earth point in spare wheel well

- ❑ for vehicles with 48 volt hybrid system
- ❑ Specified torque 18 Nm

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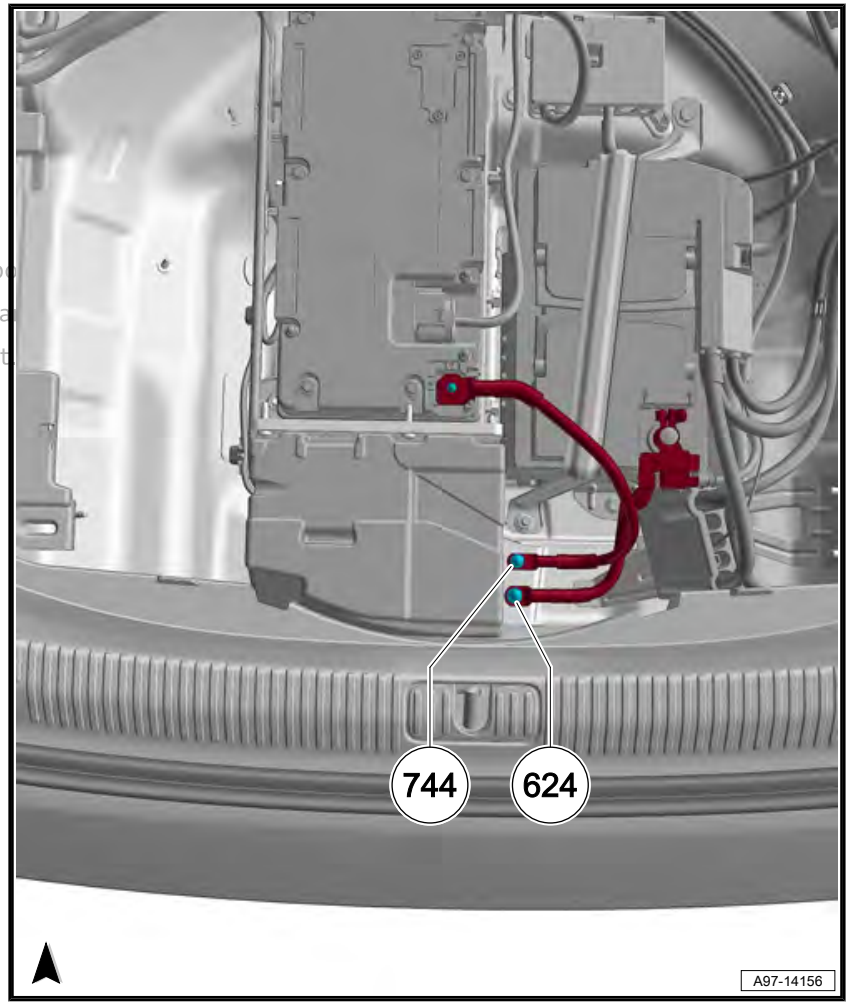
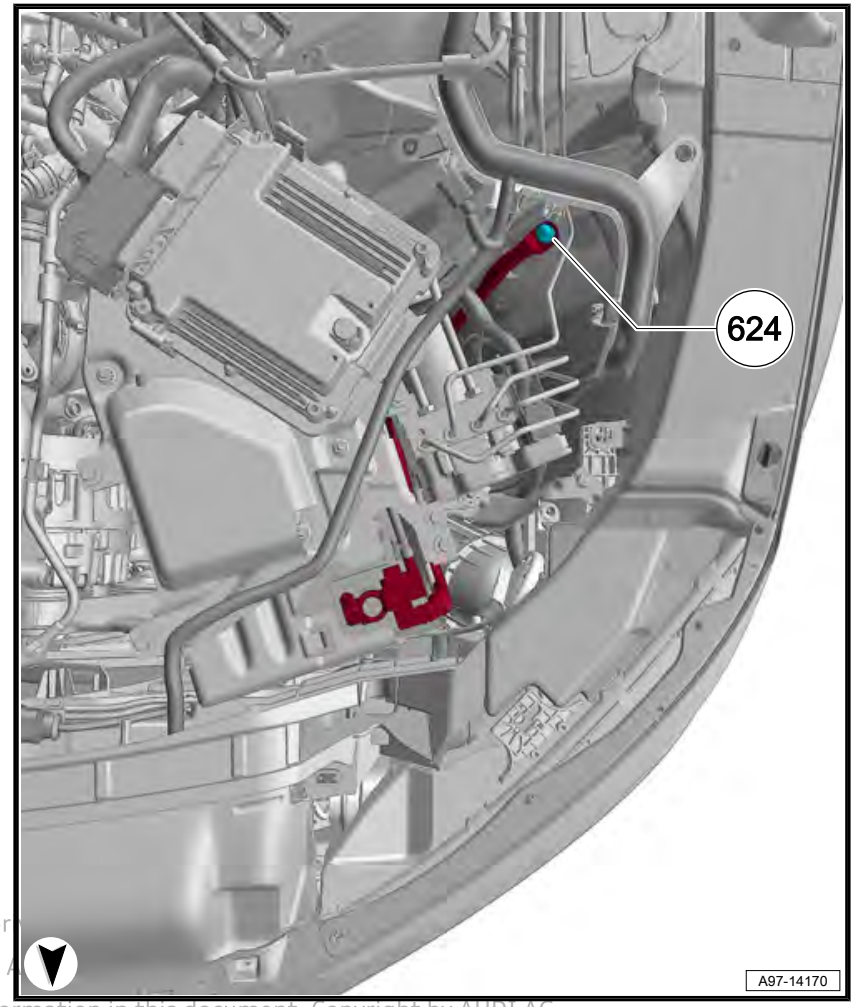


624 - Earth point, starter battery

- ❑ For models with natural gas engine
- ❑ Specified torque 18 Nm



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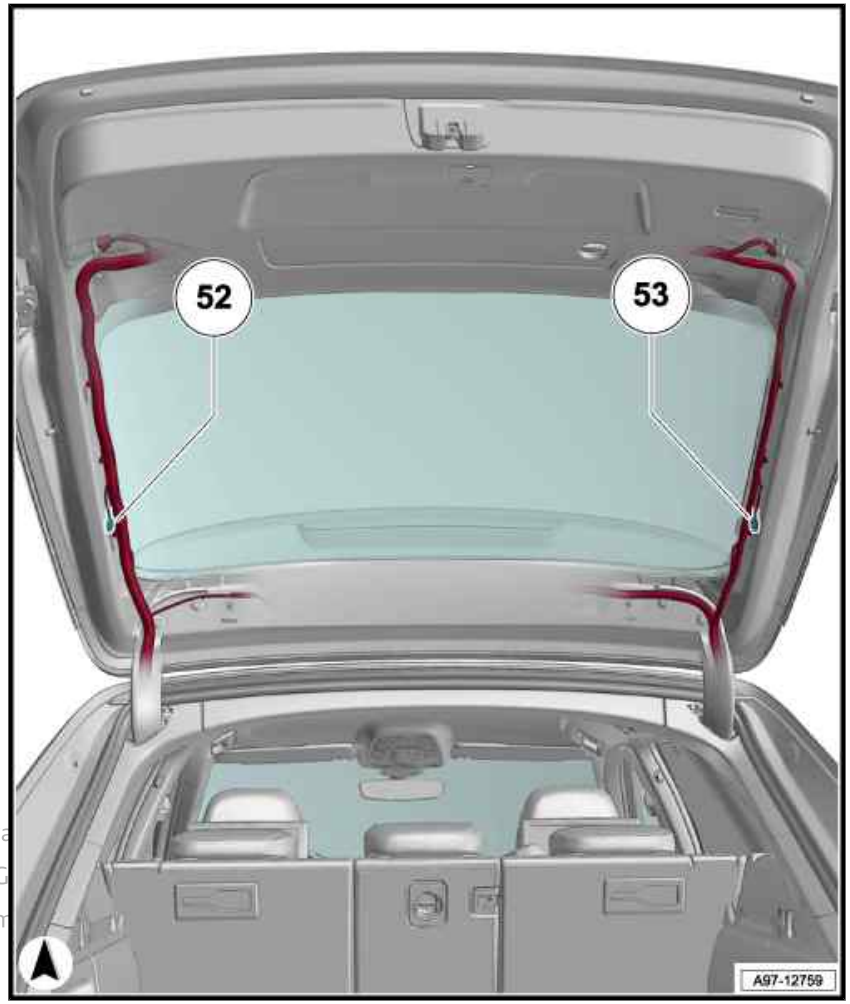
52 - Earth point, on left in rear lid

- ❑ Only Sportback models
- ❑ Specified torque 1.5 Nm

53 - Earth point, on right in rear lid

- ❑ Only Sportback models
- ❑ Specified torque 1.5 Nm



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675 - Earth point 2, on right in boot

- ❑ for vehicles with 48 volt hybrid system
- ❑ Specified torque 9 Nm

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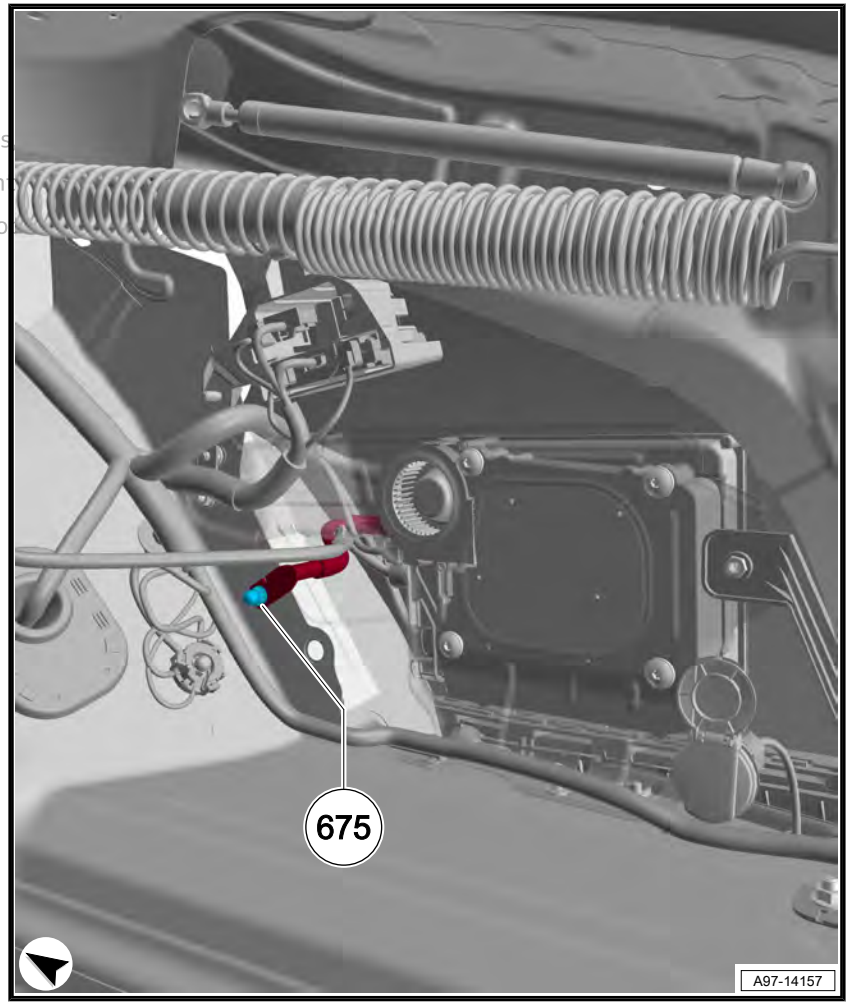

745 - Earth point 3, on front of right longitudinal member

- ❑ for vehicles with 48 volt hybrid system
- ❑ Specified torque 20 Nm

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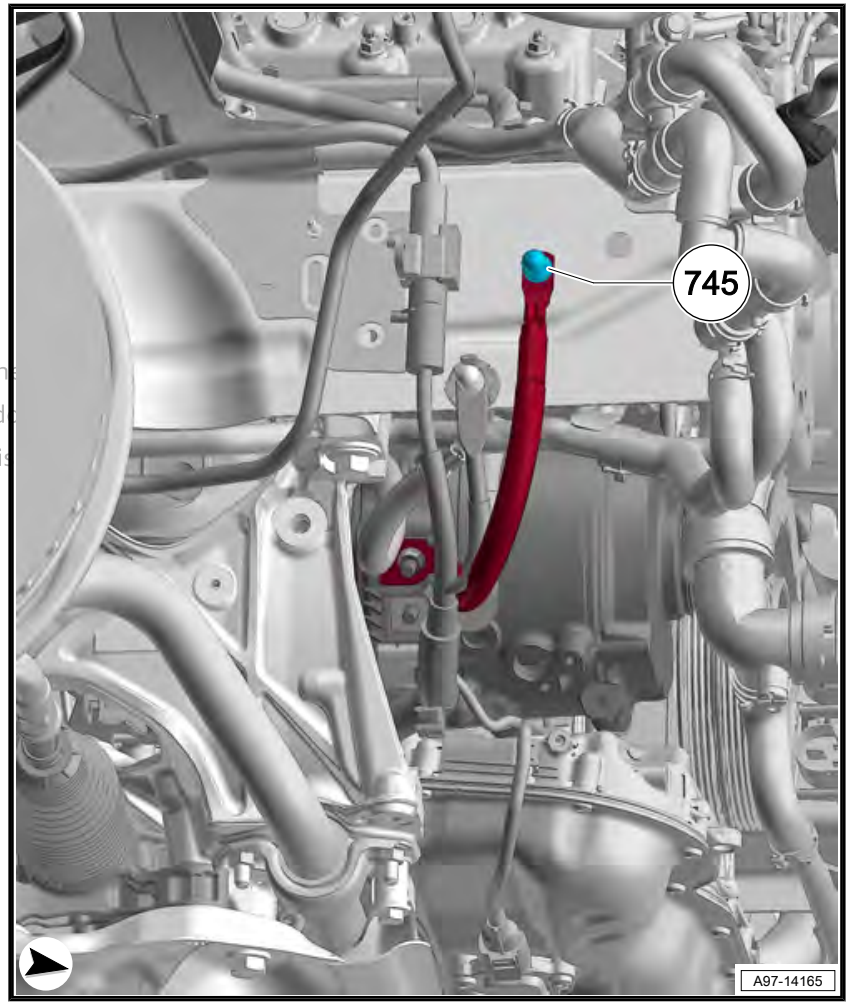
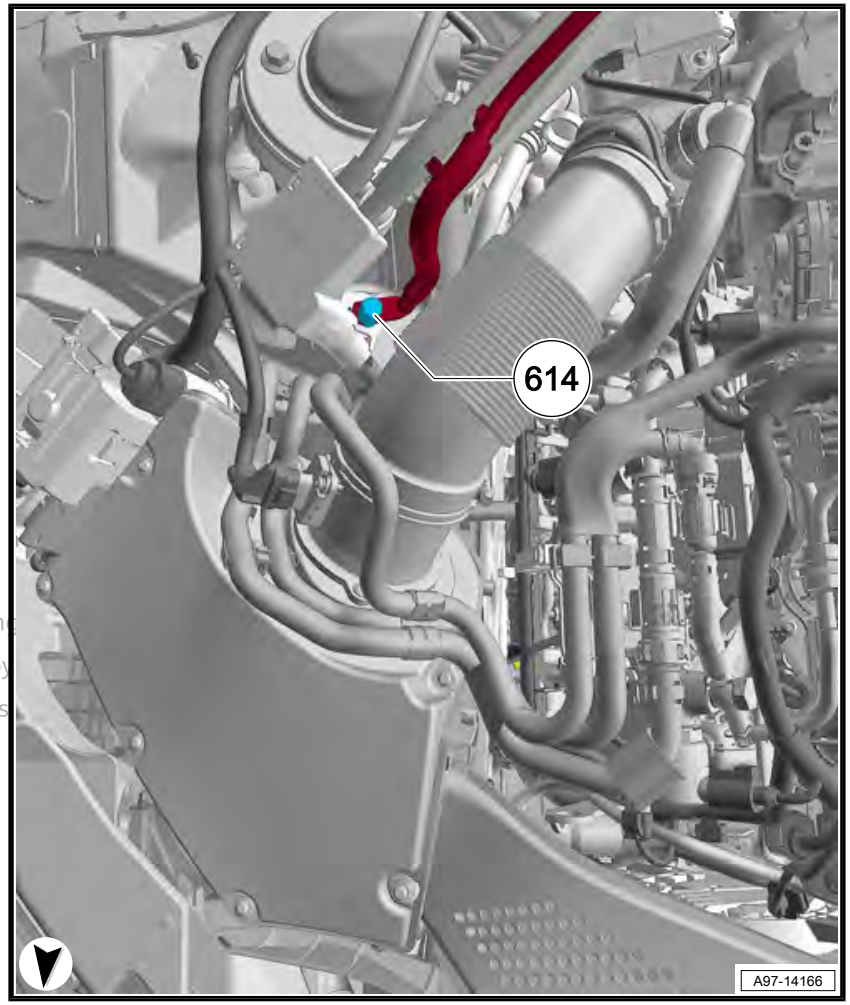


614 - Earth point 2, on right in engine compartment

- ❑ for vehicles with 48 volt hybrid system
- ❑ Specified torque 9 Nm



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1 Fuses

1.1 Overview of fuses

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1 -
Relay and fuse carrier 2 -SR2-

- Heated rear window fuse -S41- , not for Cabriolet
- Front passenger seat adjustment thermal fuse 1 -S46-
- Convertible roof actuation fuse -S67-
- Automatic gearbox control unit fuse -S113- , for models without natural gas engine
- Special vehicle fuse 1 -S291-
- Relay and fuse carrier 2 -SR2-
  - Fitting location, Coupé and Sportback models ⇒ page 22
  - Fitting location, only Cabriolet models ⇒ page 23
  - Fuse assignment on Relay and fuse carrier 2 -SR2- ⇒ page 23

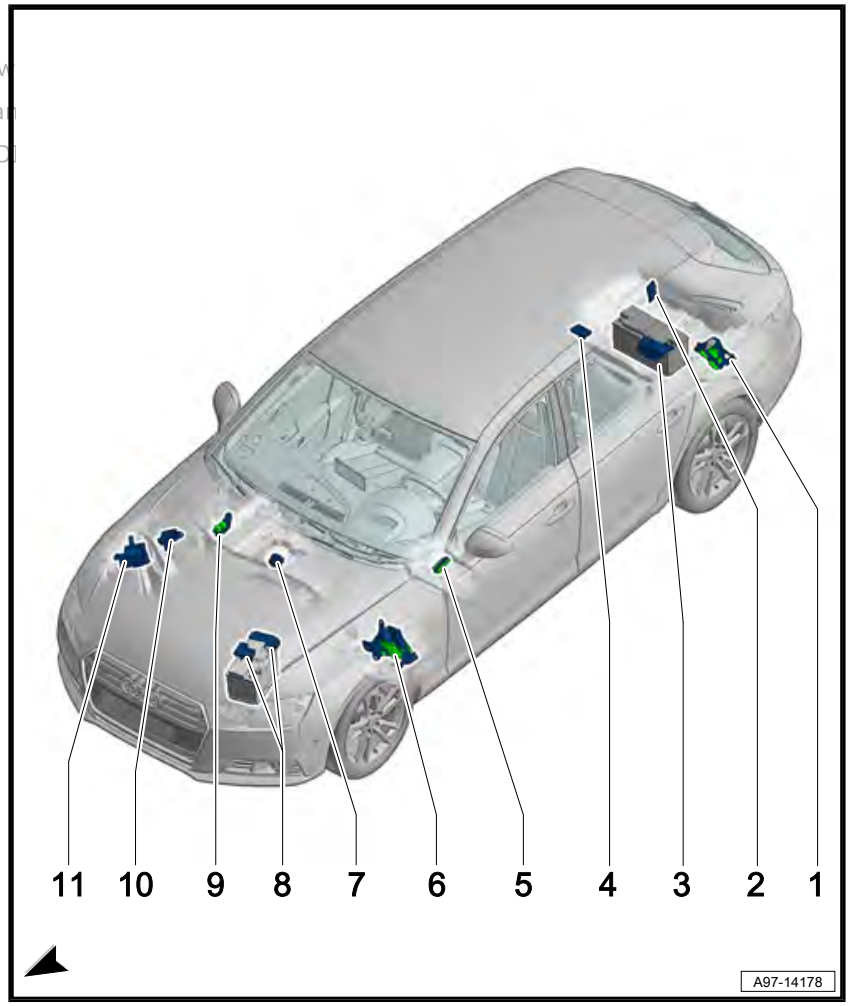
2 -
Wiring junction -TV1- , for models with 48 volt hybrid system

- Fuse 2 on wiring junction -S372-
- Fuse 4 on wiring junction -S374-
  - in luggage compartment
  - Fitting location and assignment ⇒ page 32

3 -
Fuses in fuse holder -S- , not for models with natural gas engine

Fuses in fuse holder -S- for models with natural gas engine ⇒ item 8 (page 2)

- Fuse 1 (30), in battery fuse holder -S162-
- Fuse 2 (30), in battery fuse holder -S163-
- Fuse 3 (30), in battery fuse holder -S164-
- Fuse 4 (30), in battery fuse holder -S176-
  - in luggage compartment
  - Fitting location and assignment ⇒ page 27



4 -
Wiring junction 2 for terminal 40 -TV67- , for models with 48 volt hybrid system

- Fuse 1 on wiring junction 2 for terminal 40 -S368-
  - in luggage compartment
  - Fitting location and assignment ⇒ page 33

5 - Fuse holder C -SC-

- Fitting location ⇒ page 20
- Fuse assignment on fuse holder C -SC- ⇒ page 21

6 -
Relay and fuse carrier 1 -SR1-

- Automatic gearbox control unit fuse -S113- , for models with natural gas engine
- ABS control unit fuse 1 -S123-
- ABS control unit fuse 2 -S124-
- Driver seat adjustment thermal fuse 1 -S44-
- Relay and fuse carrier 1 -SR1-
  - Fitting location, left-hand drive models ⇒ page 6
  - Fitting location, right-hand drive models ⇒ page 7
  - Fuse assignment on Relay and fuse carrier 1 -SR1- ⇒ page 8

7 -
Relay and fuse carrier 3 -SR3- / relay and fuse carrier 5 -SR5-

- Fuse (50) -S216-
- Fuse 1 in fuse holder -S1-
- Fuse 2 in fuse holder -S2-
  - Fitting location and assignment, relay and fuse carrier 3 -SR3- ⇒ page 4
  - Fitting location and assignment, relay and fuse carrier 5 -SR5- ⇒ page 5

8 -
Fuses in fuse holder -S- , only for models with natural gas engine

Fuses in fuse holder -S- , for models that do not have a natural gas engine ⇒ item 3 (page 1)

- Fuse 1 (30), in battery fuse holder -S162-
- Fuse 3 (30), in battery fuse holder -S164-
- Fuse 4 (30), in battery fuse holder -S176-

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- Terminal 30 wiring junction 3 -TV28-
- Fuse holder H -SH-
- Fuse 1 in fuse holder H -SH1-
- Fuse 2 in fuse holder H -SH2-
  - in engine compartment
  - Fitting location and assignment ⇒ page 29

9 -
Relay and fuse carrier 4 -SR4-

- Heater element fuse 1 -S276-
- Heater element fuse 2 -S277-
  - in front right footwell
  - Fitting location and assignment ⇒ page 30

10 -
Wiring junction for terminal 40 -TV66- , for models with 48 volt hybrid system

- Fuse 1 on wiring junction for terminal 40 -S366-
  - in engine compartment
  - Fitting location and assignment ⇒ page 34

11 -
Fuse holder A -SA-

- Suppression filter -C24-
- Fuse 1 on fuse holder A -SA1-
- Fuse 2 on fuse holder A -SA2-
- Fuse 3 on fuse holder A -SA3-
  - Fitting location and assignment ⇒ page 31

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1.2 Fitting location, relay and fuse carrier 3 -SR3-

R1.1 - not assigned

R1.2 - Fuse (50) -S216- , 5 A, to engine control unit -J623-

R2 - Ignore

R3 - Ignore

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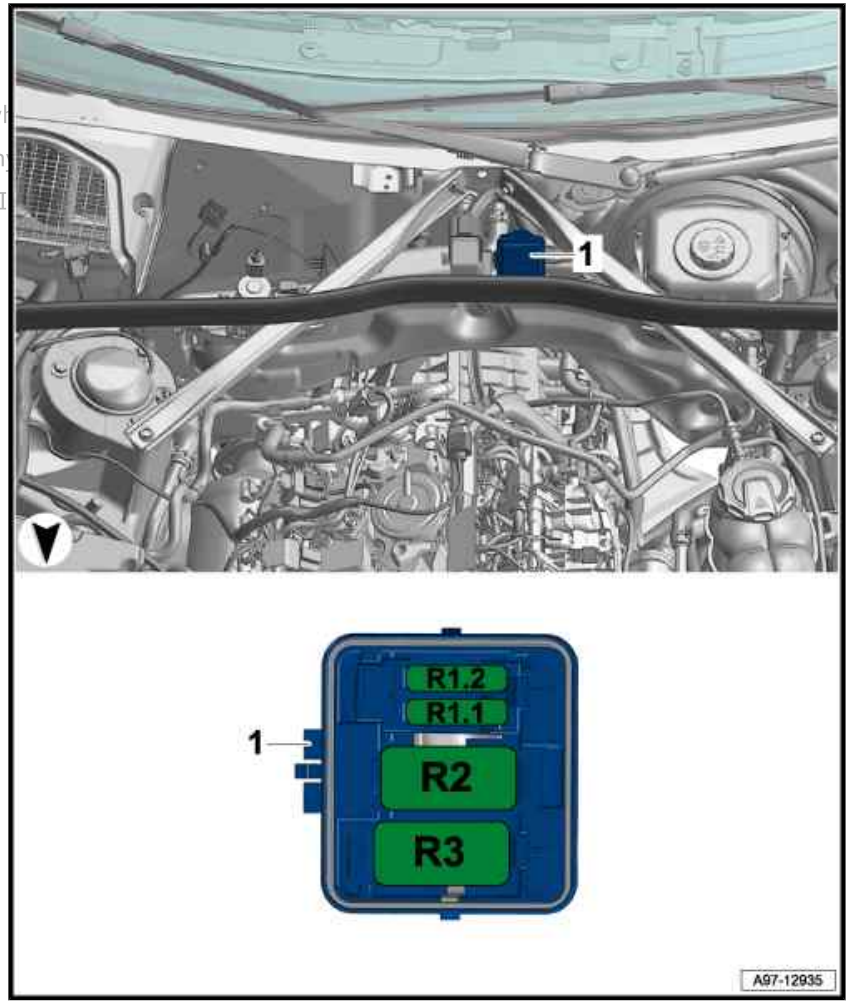


Back to overview ⇒ page 1 .

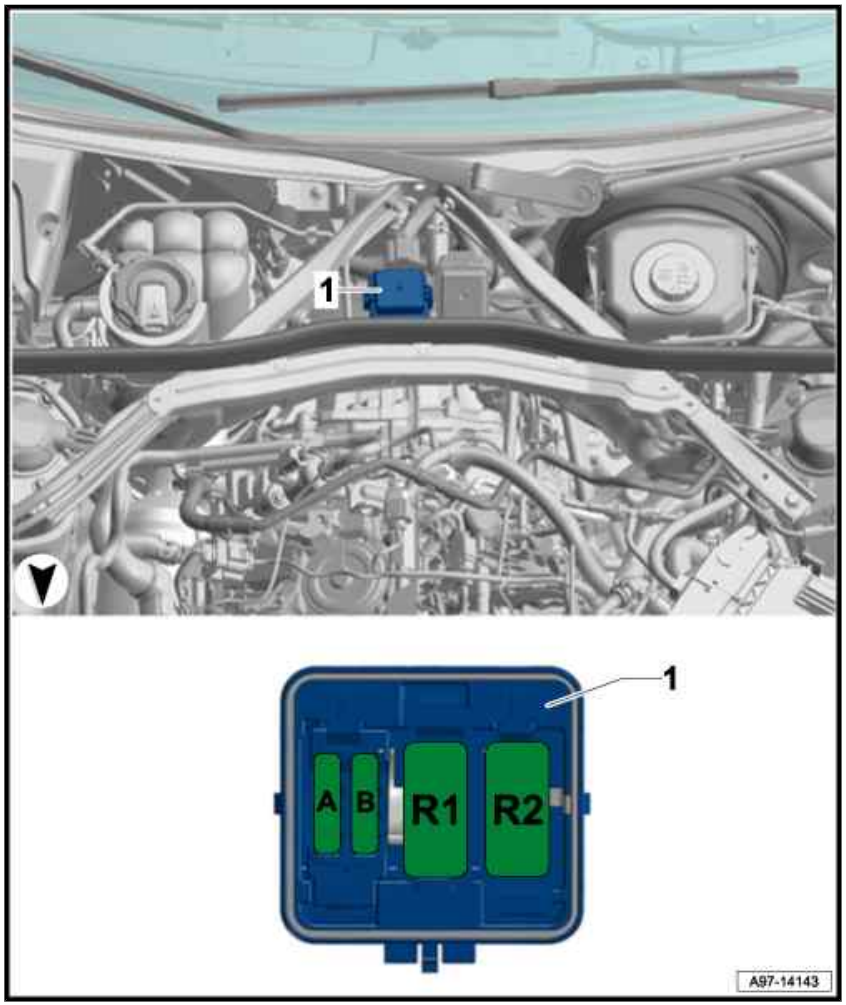
1.3 Fitting location, relay and fuse carrier 5 -SR5-

A - Fuse 1 in fuse holder -S1- , 35 A

B - Fuse 2 in fuse holder -S2- , 35 A

R1 - Ignore

R2 - Ignore



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1.4 Fitting location, relay and fuse carrier 1 -SR1- , left-hand drive models

1 - Relay and fuse carrier 1 -SR1-

A - ABS control unit fuse 1 -S123- , 40 A

A - ABS control unit fuse 2 -S124- , 40 A

B - Automatic gearbox control unit fuse -S113- , 50 A

- ❑ For models with natural gas engine

C - Driver seat adjustment thermal fuse 1 -S44- , 15 A

ST1 - Fuse carrier 1, brown

- ❑ Position of fuses for models with diesel engine ⇒ page 8
- ❑ Position of fuses for models with 4-cylinder petrol engine ⇒ page 11
- ❑ Position of fuses for models with 6-cylinder petrol engine ⇒ page 13

ST2 - Fuse carrier 2, red

- ❑ Fuse assignment ⇒ page 15

ST3 - Fuse carrier 3, black

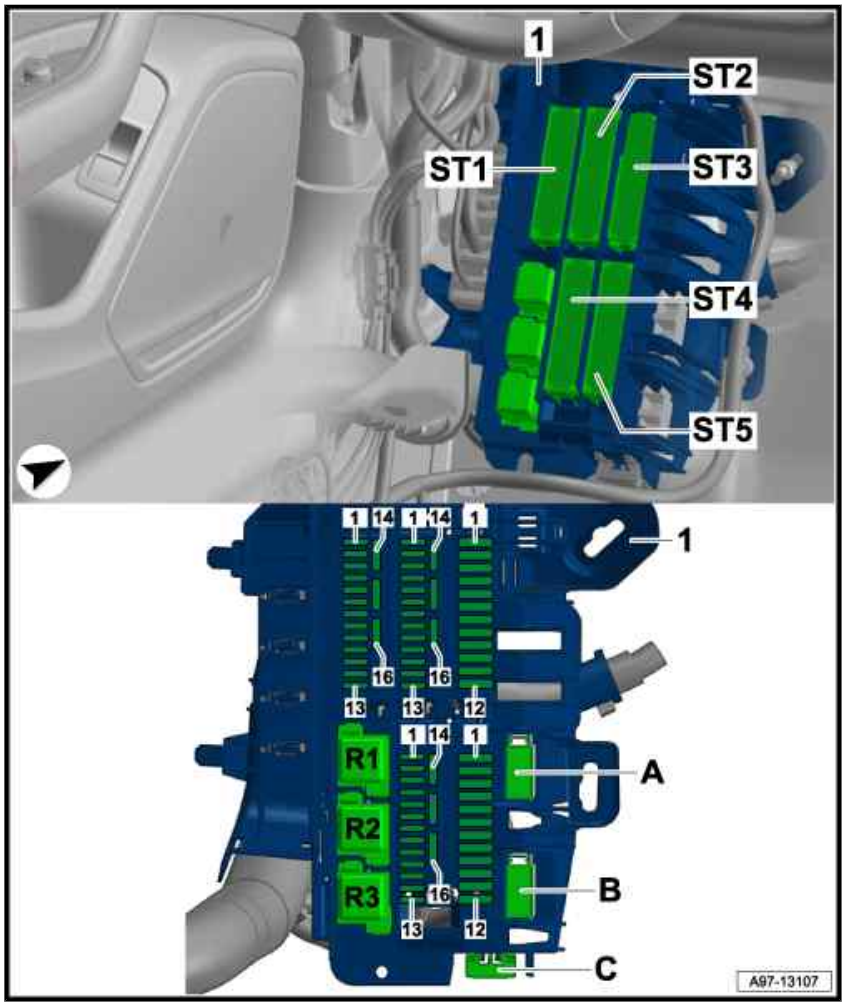
- ❑ Fuse assignment ⇒ page 16

ST4 - Fuse carrier 4, black

- ❑ Fuse assignment ⇒ page 18

ST5 - Fuse carrier 5, red

- ❑ Fuse assignment ⇒ page 19



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1.5 Fitting location, relay and fuse carrier 1 -SR1- , right-hand drive models

1 - Relay and fuse carrier 1 -SR1-

A - ABS control unit fuse 1 -S123- , 40 A

A - ABS control unit fuse 2 -S124- , 40 A

B - Automatic gearbox control unit fuse -S113- , 50 A

- ❑ For models with natural gas engine

C - Driver seat adjustment thermal fuse 1 -S44- , 15 A

ST1 - Fuse carrier 1, brown

- ❑ Position of fuses for models with diesel engine ⇒ page 8
- ❑ Position of fuses for models with 4-cylinder petrol engine ⇒ page 11
- ❑ Position of fuses for models with 6-cylinder petrol engine ⇒ page 13

ST2 - Fuse carrier 2, red

- ❑ Fuse assignment ⇒ page 15

ST3 - Fuse carrier 3, black

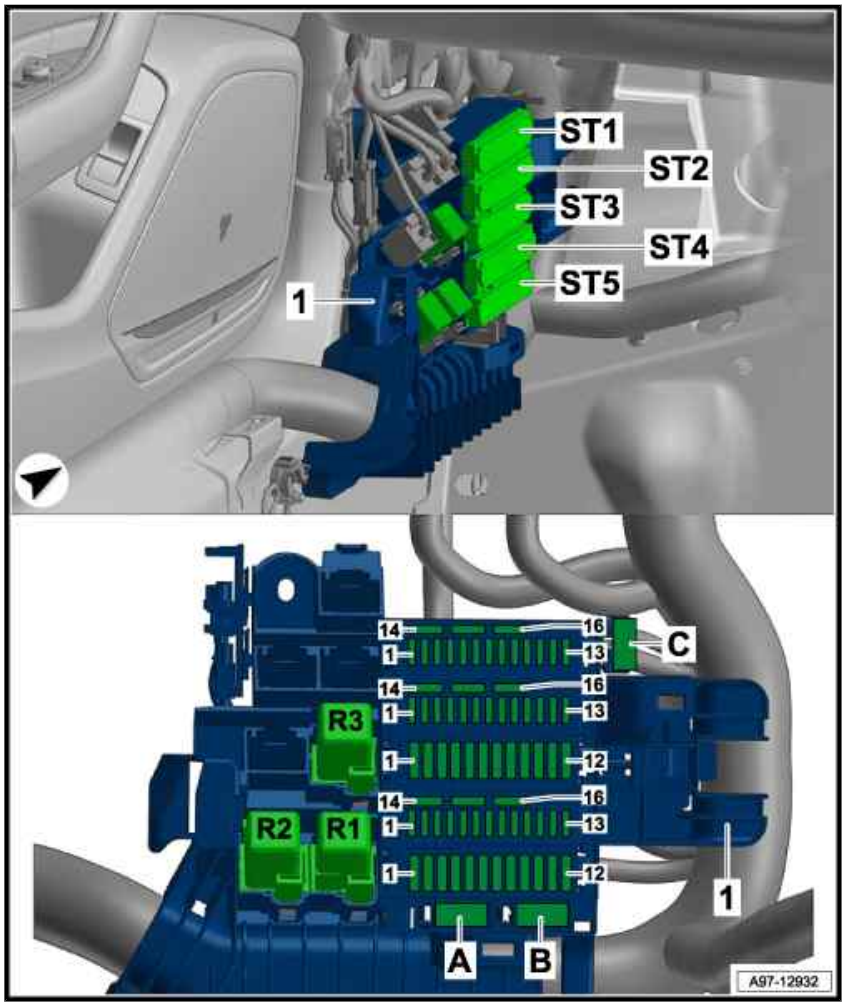
- ❑ Fuse assignment ⇒ page 16

ST4 - Fuse carrier 4, black

- ❑ Fuse assignment ⇒ page 18

ST5 - Fuse carrier 5, red

- ❑ Fuse assignment ⇒ page 19



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1.6 Fuse assignment on relay and fuse carrier 1 -SR1-

Fuse colours

- 40 A - orange
- 30 A - light green
- 25 A - clear
- 20 A - yellow
- 15 A - light blue
- 10 A - red
- 7.5 A - brown
- 5 A - light brown

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1.6.1 Position of fuses, fuse carrier 1 -ST1- , brown, vehicles with diesel engine

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	not assigned		-		
2	-	Fuse 2 on fuse holder B -SB2-	15 A	-	Exhaust cam actuator 1 for cylinder 1 -F450- 1) Exhaust cam actuator 1 for cylinder 2 -F454- 1) Exhaust cam actuator 1 for cylinder 3 -F458- 1) Exhaust cam actuator 1 for cylinder 4 -F462- 1) Exhaust cam actuator 1 for cylinder 5 -F466- 1) Exhaust cam actuator 1 for cylinder 6 -F470- 1)	87
3	-	Fuse 3 on fuse holder B -SB3-	5 A	-	Radiator blind control motor -V544- 2) Radiator blind control motor 2 -V550- 2)	87

4	-	Fuse 4 on fuse holder B -SB4-	5 A [2] 10 A [3] 15 A [8]	-	Control unit for NOx sender -GX30- ◆ NOx sender -G295- ◆ Control unit for NOx sender -J583- Control unit 2 for NOx sender -GX46- ◆ NOx sender 2 -G687- ◆ Control unit for NOx sender 2 -J881- Biodiesel concentration sender -G855- [7] Particulate sensor -G784- [3] Control unit for NOx sender 2 -J881- [3] Coolant circulation pump -V50-	87
5	-	Fuse 5 on fuse holder B -SB5-	5 A	-	Brake light switch -F-	87
6	-	Fuse 6 on fuse holder B -SB6-	10 A [1] [8] 5 A [2] 7.5 A [4]	-	Charge pressure control solenoid valve -N75- [2] Valve for oil pressure control -N428- [2] Coolant valve for cylinder head -N489- Actuator for engine temperature regulation -N493- Left electrohydraulic engine mounting solenoid valve -N144- [2] Right electrohydraulic engine mounting solenoid valve -N145- [2] Automatic glow period control unit -J179- [3] Map-controlled engine cooling system thermostat -F265- [4] Coolant circulation pump -V50- [1] Exhaust gas recirculation cooler changeover valve -N345- [3] [5] Valve for oil pressure control -N428- [8] Coolant valve for cylinder head -N489- [8] Piston cooling jet control valve -N522- [8]	87
7	-	Fuse 7 on fuse holder B -SB7-	5 A [2] [3] 10 A [8]	-	Air mass meter -G70- Engine control unit -J623- [3] Heater element for crankcase breather -N79- [2] Coolant changeover valve 2 -N633- [8] Charge air cooling pump -V188- [8]	87
8	-	Fuse 8 on fuse holder B -SB8-	10 A	-	Fuel pressure regulating valve -N276- Fuel metering valve -N290- Coolant circulation pump -V50- Radiator blind control motor -V544-	87
9	-	Fuse 9 on fuse holder B -SB9-	5 A	-	Engine component current supply relay -J757-	
10	-	Fuse 10 on fuse holder B -SB10-	5 A	-	Oil level and oil temperature sender -G266- Heater element for crankcase breather -N79- [8]	87
11	-	Fuse 11 on fuse holder B -SB11-	5 A	-	Clutch position sender -G476- Starter-alternator -C29- [8]	

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12	-	Fuse 12 on fuse holder B -SB12-	5 A [8)] 7.5 A[2)] 10 A[3)]	-	Actuator 1 for camshaft adjustment -F366- Actuator 2 for camshaft adjustment -F367- Air filter bypass flap valve -N275- Charge air temperature sender before charge air cooler -G810- [1)] Coolant circulation pump -V50- [4)] Left electrohydraulic engine mounting solenoid valve -N144- [3)] Right electrohydraulic engine mounting solenoid valve -N145- [3)] Auxiliary pump for heating -V488- [2)] Automatic glow period control unit -J179- [2)] Charge air cooling pump -V188- [2)] Left electrohydraulic engine mounting solenoid valve -N144- [8)] Automatic glow period control unit -J179- [8)]	87
13	-	Fuse 13 on fuse holder B -SB13-	5 A	-	Radiator fan -VX57- ◆ Radiator fan control unit -J293- Radiator fan control unit 2 -J671- [6)]	87
14	-	Fuse 14 on fuse holder B -SB14-	15 A	-	Engine control unit -J623-	87
15	-	Fuse 15 on fuse holder B -SB15-	10 A	-	Lambda probe 1 before catalytic converter -GX10- ◆ Lambda probe heater -Z19-	87
16	-	Fuse 16 on fuse holder B -SB16-	25 A[2)] 30 A[3)]	-	Fuel pump control unit -J538-	87

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- [1)] only DCPC
- [2)]Only models with 4-cylinder engine
- [3)]Only models with 6-cylinder engine
- [4)]Only CRTC, DCPC
- [5)] Only for American markets
- [6)]Only models with trailer hitch
- [7)]Only models with Euro 5 plus emission standard (7MJ)
- [8)] Only DEZB, DEZE

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1.6.2 Position of fuses, fuse carrier 1 -ST1- , brown, models with 4-cylinder petrol engine

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	not assigned		-		
2	-	not assigned		-		
3	-	not assigned		-		
4	-	Fuse 4 on fuse holder B -SB4-	5 A 2) 12) 7.5 A 2) 11)	-	Coolant circulation pump -V50-	87
5	-	Fuse 5 on fuse holder B -SB5-	5 A	-	Brake light switch -F-	87
6	-	Fuse 6 on fuse holder B -SB6-	15 A	-	Actuator 1 for camshaft adjustment -F366- 4) 5) 10) Actuator 2 for camshaft adjustment -F367- 4) 5) 10) Actuator 3 for camshaft adjustment -F368- 4) 5) 10) Actuator 4 for camshaft adjustment -F369- 4) 5) 10) Actuator 5 for camshaft adjustment -F370- 4) 5) 10) Actuator 6 for camshaft adjustment -F371- 4) 5) 10) Actuator 7 for camshaft adjustment -F372- 4) 5) 10) Actuator 8 for camshaft adjustment -F373- 4) 5) 10) Piston cooling jet control valve -N522-	87
7	-	Fuse 7 on fuse holder B -SB7-	15 A	-	Lambda probe 1 after catalytic converter -GX7- 1) 4) 5) 9) 10) ◆ Lambda probe 1 heater after catalytic converter -Z29- Lambda probe 1 before catalytic converter -GX10- 1) 9) 10) ◆ Lambda probe heater -Z19-	87
8	-	Fuse 8 on fuse holder B -SB8-	15 A 1) 5 A 2) 12) 7.5 A 2) 11)	-	Left electrohydraulic engine mounting solenoid valve -N144- 2) 7) 9) 10) Charge air cooling pump -V188- 1) Right electrohydraulic engine mounting solenoid valve -N145- 2) 7) 10) Continued coolant circulation pump -V51- Radiator blind control motor -V544-	87
9	-	Fuse 9 on fuse holder B -SB9-	5 A	-	Circulation pump -V55- 1) Engine component current supply relay -J757- 2)	87
10	-	Fuse 10 on fuse holder B -SB10-	5 A	-	Oil level and oil temperature sender -G266-	87
11	-	Fuse 11 on fuse holder B -SB11-	5 A	-	Clutch position sender -G476- Starter-alternator -C29- 8) 9) 10)	87

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12	-	Fuse 12 on fuse holder B -SB12-	15 A[1)] 10 A[2)]	-	Activated charcoal filter solenoid valve 1 -N80- Secondary air inlet valve -N112- [5)] Camshaft control valve 1 -N205- Turbocharger air recirculation valve -N249- [2)] Intake manifold flap valve -N316- [2) 3) 4) 5)] Exhaust camshaft control valve 1 -N318- Oil pressure control valve -N428- Piston cooling jet control valve -N522- [2)] Actuator 1 for camshaft adjustment -F366- [2) 3) 6)] Actuator 2 for camshaft adjustment -F367- [2) 3) 6)] Actuator 3 for camshaft adjustment -F368- [2) 3) 6)] Actuator 4 for camshaft adjustment -F369- [2) 3) 6)] Actuator 5 for camshaft adjustment -F370- [2) 3) 6)] Actuator 6 for camshaft adjustment -F371- [2) 3) 6)] Actuator 7 for camshaft adjustment -F372- [2) 3) 6)] Actuator 8 for camshaft adjustment -F373- [2) 3) 6)]	87
13	-	Fuse 13 on fuse holder B -SB13-	5 A	-	Radiator fan -VX57- ◆ Radiator fan control unit -J293-	87
14	-	Fuse 14 on fuse holder B -SB14-	15 A 30 A [9)]	-	Engine control unit -J623- Injector 2 for cylinder 1 -N532- [2) 3) 4)] Injector 2 for cylinder 2 -N533- [2) 3) 4)] Injector 2 for cylinder 3 -N534- [2) 3) 4)] Injector 2 for cylinder 4 -N535- [2) 3) 4)]	87
15	-	Fuse 15 on fuse holder B -SB15-	20 A[1) 9)] 15 A[2)]	-	Lambda probe 1 before catalytic converter -GX10- [2)] ◆ Lambda probe heater -Z19- Lambda probe 1 after catalytic converter -GX7- [2) 3) 6)] ◆ Lambda probe 1 heater after catalytic converter -Z29- Ignition coil 1 with output stage -N70- [1)] Ignition coil 2 with output stage -N127- [1)] Ignition coil 3 with output stage -N291- [1)] Ignition coil 4 with output stage -N292- [1)]	87
16	-	Fuse 16 on fuse holder B -SB16-	25 A	-	Fuel pump control unit -J538-	87

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◆ [1)] only with 1.4 l petrol engine

◆ [2)] only with 2.0 l petrol engine

◆ [3)] CVKB

◆ [4)] CYRB,CYRC

- 5) CYMC
- 6) DBPC
- 7) only automatic gearbox
- 8) 12V MHEV
- 9) DMSA, DMSB
- 10) DMTA, DPAA
- 11 From October 2019
- 12) To September 2019

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1.6.3 Position of fuses, fuse carrier 1 -ST1- , brown, models with 6-cylinder petrol engine

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	not assigned		-		
2	-	Fuse 2 on fuse holder B -SB2-	10 A	-	Charge air cooling pump -V188-	87
3	-	not assigned		-		
4	-	Fuse 4 on fuse holder B -SB4-	7.5 A 1) 5 A 1)	-	Exhaust flap control unit -J883- Exhaust flap control unit 2 -J945-	87
5	-	Fuse 5 on fuse holder B -SB5-	5 A	-	Brake light switch -F-	87
6	-	Fuse 6 on fuse holder B -SB6-	10 A 1) 15 A 1)	-	Left electrohydraulic engine mounting solenoid valve -N144- Right electrohydraulic engine mounting solenoid valve -N145- Activated charcoal filter solenoid valve 1 -N80- Overrun air recirculation valve for bank 1 -N625- Inlet cam actuator 1 for cylinder 1 -F448- Inlet cam actuator 1 for cylinder 2 -F452- Inlet cam actuator 1 for cylinder 3 -F456- Inlet cam actuator 1 for cylinder 4 -F460-	87
7	-	Fuse 7 on fuse holder B -SB7-	15 A 1) 20 A 1)	-	Lambda probe 1 after catalytic converter -GX7-	87
8	-	Fuse 8 on fuse holder B -SB8-	7.5 A 1) 10 A 1) 15 A 1)	-	Inlet cam actuator 1 for cylinder 5 -F464- Inlet cam actuator 1 for cylinder 6 -F468- Map-controlled engine cooling system thermostat -F265-	87
9	-	Fuse 9 on fuse holder B -SB9-	5 A	-	Engine component current supply relay -J757-	87

10	-	Fuse 10 on fuse holder B -SB10-	5 A	-	Oil level and oil temperature sender -G266-	87
11	-	not assigned		-		
12	-	Fuse 12 on fuse holder B -SB12-	10 A 1) 15 A 1)	-	Charge pressure control solenoid valve -N75- Camshaft control valve 1 -N205- Camshaft control valve 2 -N208- Exhaust camshaft control valve 1 -N318- Exhaust camshaft control valve 2 -N319-	87
13	-	Fuse 13 on fuse holder B -SB13-	5 A	-	Radiator fan -VX57-	87
14	-	Fuse 14 on fuse holder B -SB14-	15 A	-	Engine control unit -J623-	87
15	-	Fuse 15 on fuse holder B -SB15-	15 A	-	Lambda probe 1 before catalytic converter -GX10-	87
16	-	Fuse 16 on fuse holder B -SB16-	30 A	-	Fuel pump control unit -J538-	87

◆ 1) According to equipment

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1.6.4 Position of fuses, fuse carrier 1 -ST1- , brown, vehicles with 2.0l CNG engine

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	not assigned	-	-		
2	-	not assigned	-	-		
3	-	not assigned	-	-		
4	-	Fuse 4 on fuse holder B -SB4-	5 A	-	Circulation pump -V55- 2)	87
5	-	Fuse 5 on fuse holder B -SB5-	5 A	-	Brake light switch -F-	87
6	-	not assigned	-	-		
7	-	not assigned	-	-		
8	-	Fuse 8 on fuse holder B -SB8-	7.5 A	-	Left electrohydraulic engine mounting solenoid valve -N144- Right electrohydraulic engine mounting solenoid valve -N145- Coolant circulation pump -V50- Radiator blind control motor -V544-	87
9	-	Fuse 9 on fuse holder B -SB9-	5 A	-	Engine component current supply relay -J757-	87
10	-	Fuse 10 on fuse holder B -SB10-	5 A	-	Oil level and oil temperature sender -G266-	87
11	-	not assigned	-	-		

12	-	Fuse 12 on fuse holder B -SB12-	15 A	-	Activated charcoal filter solenoid valve 1 -N80- Camshaft control valve 1 -N205- Turbocharger air recirculation valve -N249- Intake manifold flap valve -N316- Exhaust camshaft control valve 1 -N318- Oil pressure control valve -N428- Piston cooling jet control valve -N522- Actuator 1 for camshaft adjustment -F366- Actuator 2 for camshaft adjustment -F367- Actuator 3 for camshaft adjustment -F368- Actuator 4 for camshaft adjustment -F369- Actuator 5 for camshaft adjustment -F370- Actuator 6 for camshaft adjustment -F371- Actuator 7 for camshaft adjustment -F372- Actuator 8 for camshaft adjustment -F373-	87
13	-	Fuse 13 on fuse holder B -SB13-	5 A	-	Radiator fan -VX57-	87
14	-	Fuse 14 on fuse holder B -SB14-	15 A	-	Engine control unit -J623- Gas injection valve 1 -N366- Gas injection valve 2 -N367- Gas injection valve 3 -N368- Gas injection valve 4 -N369-	87
15	-	Fuse 15 on fuse holder B -SB15-	15 A	-	Lambda probe 1 before catalytic converter -GX10- Lambda probe 1 after catalytic converter -GX7- Ignition coil 1 with output stage -N70- Ignition coil 2 with output stage -N127- Ignition coil 3 with output stage -N291- Ignition coil 4 with output stage -N292-	87
16	-	Fuse 16 on fuse holder B -SB16-	25 A	-	Fuel pump control unit -J538-	87

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1.6.5 Position of fuses on fuse carrier ST2, red

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	Fuse 1 on fuse holder B -SB1-	5 A	-	Anti-theft alarm sensor -G578- Alarm horn -H12-	30
2	-	Fuse 2 on fuse holder B -SB2-	5 A	-	Main relay -J271- Engine control unit -J623-	30
3	-	Fuse 3 on fuse holder B -SB3-	7.5 A	-	Front left lumbar support adjustment switch -E752- Control unit for driver multicontour seat -J873- Driver seat lumbar support longitudinal adjustment motor -V125- Driver seat lumbar support height adjustment motor -V129- Valve block for driver seat and backrest bolster adjustment -V378-	30

4	-	Fuse 4 on fuse holder B -SB4-	7.5 A	-	Selector lever -E313-	30
5	-	Fuse 5 on fuse holder B -SB5-	15 A	-	Onboard supply control unit -J519- , (T73b/12) Supply: Treble horn -H2- Bass horn -H7-	30
6	-	Fuse 6 on fuse holder B -SB6-	5 A	-	Electromechanical parking brake button -E538-	30
7	-	Fuse 7 on fuse holder B -SB7-	10 A	-	Data bus diagnostic interface -J533-	30
8	-	Fuse 8 on fuse holder B -SB8-	5 A	-	Roof electronics control unit -J528- Front roof module -WX3-	30
9	-	Fuse 9 on fuse holder B -SB9-	5 A	-	Emergency call module control unit and communication unit -J949-	30
10	-	Fuse 10 on fuse holder B -SB10-	5 A	-	Airbag control unit -J234-	30
11	-	Fuse 11 on fuse holder B -SB11-	5 A	-	ABS control unit -J104-	30
12	-	Fuse 12 on fuse holder B -SB12-	10 A	-	Rain and light sensor -G397- Light sensor -G399- Diagnostic connection -U31-	30
13	-	Fuse 13 on fuse holder B -SB13-	20 A	-	Onboard supply control unit -J519- , (T73a/2) Supply: --air conditioner: Air conditioning system magnetic clutch -N25- Air conditioner compressor regulating valve -N280-	30
14	-	Fuse 14 on fuse holder B -SB14-	20 A	-	Front passenger door control unit -J387-	30
15	-	Fuse 15 on fuse holder B -SB15-	20 A	-	Onboard supply control unit -J519- , (T73a/12) Supply: --interior lighting: Rear interior light -WX2- Front roof module -WX3-	30
16	-	Fuse 16 on fuse holder B -SB16-	30 A	-	Relay for left neck heating -J911- ◆ Control unit for left neck heating -J846- ◆ Blower for left neck heating -V450- Control unit for left neck heating -J846- Blower for left neck heating -V450-	30

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1.6.6 Position of fuses on fuse carrier ST3, black

No.		Current flow diagram designation	Nominal value		Function/component	Terminal

1	-	Fuse 1 on fuse holder B -SB1-	30 A	-	Onboard supply control unit -J519- , (T73b/73) Supply: - seat heating Heated bench seat cushion for rear left seat -Z10- heated backrest for rear left seat -Z11- Heated bench seat cushion for rear right seat -Z12- Heated backrest for rear right seat -Z13- Heated seat cushion for front left seat -Z45- Heated seat cushion for front right seat -Z46- Front left heated seat backrest -Z116- Front right heated seat backrest -Z117-	30
2	-	Fuse 2 on fuse holder B -SB2-	30 A	-	Wiper motor control unit -J400-	30
3	-	Fuse 3 on fuse holder B -SB3-	30 A	-	Onboard supply control unit -J519- , (T73a/66) Supply: - front left lights Front left headlight -MX1-	30
4	-	Fuse 4 on fuse holder B -SB4-	30 A	-	Sliding sunroof adjustment control unit -J245-	30
5	-	Fuse 5 on fuse holder B -SB5-	20 A	-	Driver door control unit -J386-	30
6	-	Fuse 6 on fuse holder B -SB6-	20 A	-	Onboard supply control unit -J519- , (T73a/73) Supply: Cigarette lighter -U1- or 12 V socket -U5- 12 V socket 2 -U18- 12 V socket 3 -U19- 12 V socket 4 -U20-	30
7	-	Fuse 7 on fuse holder B -SB7-	20 A	-	Rear passenger side door control unit -J927- Rear passenger side window regulator motor -V472-	30
8	-	Fuse 8 on fuse holder B -SB8-	15 A	-	All-wheel drive control unit -J492-	30
9	-	Fuse 9 on fuse holder B -SB9-	30 A	-	Onboard supply control unit -J519- , (T73b/66) Supply: - front right lights Front right headlight -MX2-	30
10	-	Fuse 10 on fuse holder B -SB10-	35 A	-	Onboard supply control unit -J519- , (T73b/1) Supply: Washer pump -V5- Headlight washer system pump -V11- Left washer jet heater element -Z20- Right washer jet heater element -Z21-	30
11	-	Fuse 11 on fuse holder B -SB11-	20 A	-	Rear driver side door control unit -J926- Rear driver side window regulator motor -V471-	30
12	-	Fuse 12 on fuse holder B -SB12-	30 A	-	Auxiliary heater control unit -J364-	30

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1.6.7 Position of fuses on fuse carrier ST4, black

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	Fuse 1 on fuse holder B -SB1-	5 A	-	Diagnostic connection -U31- Main beam assist control unit -J844- Seat and steering column adjustment control unit with memory -J136- Operating and display unit for rear air conditioning system -E265- Heated windscreen relay -J47- Heated windscreen relay for left side -J410- Heated windscreen relay for right side -J411- Relay for left neck heating -J911- Relay for right neck heating -J912-	15
2	-	Fuse 2 on fuse holder B -SB2-	10 A	-	Data bus diagnostic interface -J533- Onboard supply control unit -J519- , (T73a/7) Supply: - parking aid (Park Distance Control - PDC)	15
3	-	Fuse 3 on fuse holder B -SB3-	5 A 1) 15 A 2)	-	Control unit for structure-borne sound -J869- Engine sound generator control unit -J943-	15
4	-	Fuse 4 on fuse holder B -SB4-	5 A	-	Clutch position sender -G476-	15
5	-	Fuse 5 on fuse holder B -SB5-	5 A	-	Starter relay 1 -J906- Starter relay 2 -J907-	15
6	-	Fuse 6 on fuse holder B -SB6-	5 A	-	Coupling point on left A-pillar -TAL- 3)	15
7	-	Fuse 7 on fuse holder B -SB7-	5 A	-	USB charging socket 2 -U38-	15
8	-	Fuse 8 on fuse holder B -SB8-	5 A	-	Garage door operating unit -E284-	15
9	-	Fuse 9 on fuse holder B -SB9-	10 A	-	Adaptive cruise control unit -J428- Control unit 2 for adaptive cruise control -J850-	15
10	-	not assigned		-		
11	-	Fuse 11 on fuse holder B -SB11-	7.5 A	-	Front camera for driver assist systems -R242-	15
12	-	Fuse 12 on fuse holder B -SB12-	10 A	-	Front right headlight -MX2-	15
13	-	Fuse 13 on fuse holder B -SB13-	10 A	-	Front left headlight -MX1-	15
14	-	Fuse 14 on fuse holder B -SB14-	5 A	-	Gearbox oil cooling valve -N509-	15
15	-	not assigned		-		
16	-	Fuse 16 on fuse holder B -SB16-	10 A	-	Coupling point for front left seat -TSVL- 4) Coupling point for front right seat -TSVR- 4)	15

◆ 1) With structure-borne noise control unit

◆ 2) With engine sound generator control unit

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- 3) For models with special equipment, driving aids for disabled persons
- 4) For models with preparation for Rear Seat Entertainment (RSE)

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1.6.8 Position of fuses on fuse carrier ST5, red

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	Fuse 1 on fuse holder B -SB1-	20 A	-	Ignition coil 1 with output stage -N70- 1) 2) Ignition coil 2 with output stage -N127- 1) 2) Ignition coil 3 with output stage -N291- 1) 2) Ignition coil 4 with output stage -N292- 1) 2)	87
2	-	Fuse 2 on fuse holder B -SB2-	10 A	-	High-pressure valve for gas mode -N372- 2) Fuel tank shut-off valve 1 -N361- 2) Fuel tank shut-off valve 2 -N362- 2) Fuel tank shut-off valve 3 -N363- 2) Fuel tank shut-off valve 4 -N429- 2)	87
3	-	not assigned		-		
4	-	not assigned		-		
5	-	Fuse 5 on fuse holder B -SB5-	25 A	-	Front left headlight -MX1-	
6	-	Fuse 6 on fuse holder B -SB6-	15 A	-	Electric pump 2 for gearbox -V553-	87
7	-	Fuse 7 on fuse holder B -SB7-	40 A	-	Supply for fuse holder C -SC-	87
8	-	Fuse 8 on fuse holder B -SB8-	30 A	-	Fresh air blower control unit -J126-	87
9	-	Fuse 9 on fuse holder B -SB9-	25 A	-	Front right headlight -MX2-	
10	-	Fuse 10 on fuse holder B -SB10-	40 A	-	Active steering control unit -J792-	87
11	-	Fuse 11 on fuse holder B -SB11-	35 A	-	Starter relay 2 -J907- Starter relay 1 -J906- ◆ Starter -B- ◆ Fuse (50) -S216- Starter -B- fuse (50) -S216-	87
12	-	Fuse 12 on fuse holder B -SB12-	10 A	-	Special vehicle control unit -J608- , T12o/10, T12o/12 Coupling point on left A-pillar -TAL- , T4fh/1	

- 1) only with 2.0 l petrol engine
- 2) only with 2.0 l CNG engine

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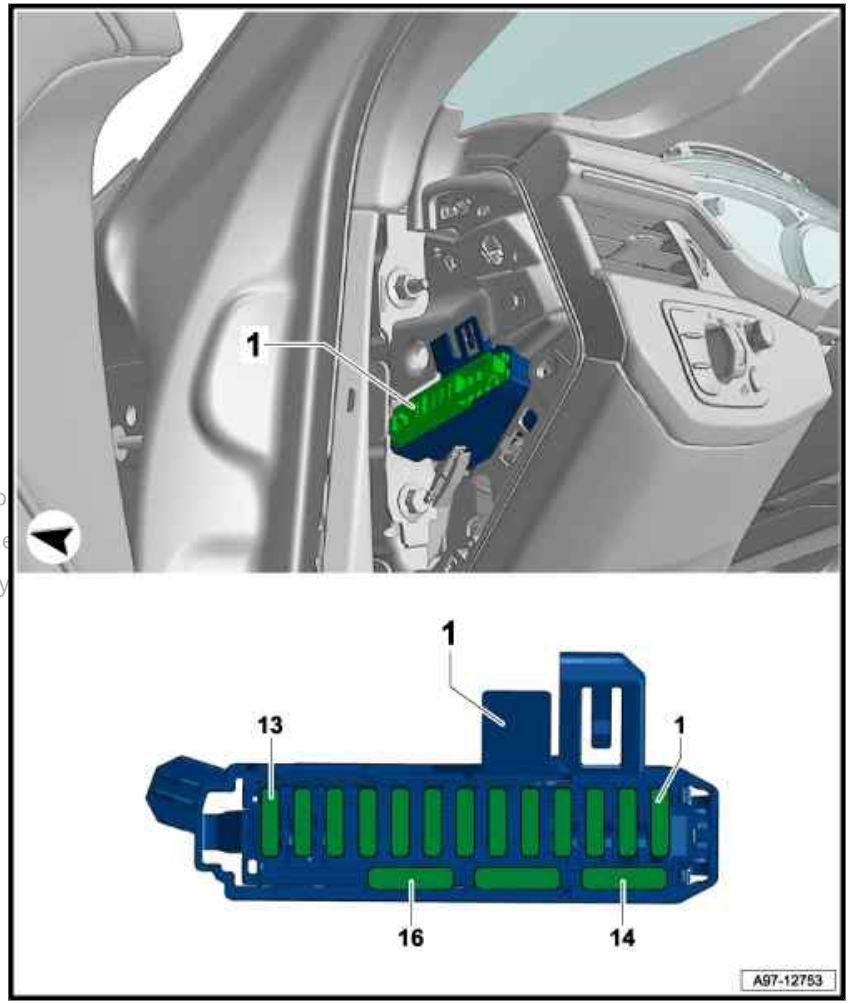
1.7 Fitting location of fuse holder C -SC-

1 - Fuse holder C -SC-

- ❑ Fuse assignment ⇒ page 21

Fuse colours

- ♦ 40 A - orange
- ♦ 30 A - light green
- ♦ 25 A - clear
- ♦ 20 A - yellow
- ♦ 15 A - light blue
- ♦ 10 A - red
- ♦ 7.5 A - brown
- ♦ 5 A - light brown



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1.8 Fuse assignment, fuse holder C -SC-

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	5 A	-	Near field communication control unit 2 -J1170-	30
2	-	Fuse 2 on fuse holder C -SC2-	5 A	-	Chip card reader control unit -J676- Telephone bracket -R126- Charger 1 for mobile devices -J1146- 4) Android operating system control unit -J1243- 4)	30
3	-	not assigned		-		
4	-	Fuse 4 on fuse holder C -SC4-	5 A	-	Control unit for heads-up display -J898-	30
5	-	Fuse 5 on fuse holder C -SC5-	5 A	-	Connection for external audio sources -R199- 5) USB hub -R293- 4)	30
6	-	Fuse 6 on fuse holder C -SC6-	10 A	-	Operating and display unit for front air conditioning system -E87- Heater control unit -J65-	30
7	-	Fuse 7 on fuse holder C -SC7-	10 A	-	Control unit for electronic steering column lock -J764-	30
8	-	Fuse 8 on fuse holder C -SC8-	10 A 4) 5 A 5)	-	Display unit for front information display and operating unit control unit -J685-	30
9	-	Fuse 9 on fuse holder C -SC9-	10 A	-	Control unit in dash panel insert -J285-	30
10	-	Fuse 10 on fuse holder C -SB10-	5 A	-	Multimedia system operating unit -E380- 5) Driver side volume regulator -E67- 4)	30
11	-	Fuse 11 on fuse holder C -SC11-	5 A	-	Light switch -E1- Operating unit 1 for driving and comfort functions -E791-	30
12	-	Fuse 12 on fuse holder C -SC12-	1 A	-	Steering column electronics control unit -J527-	30
13	-	not assigned		-		
14	-	Fuse 14 on fuse holder C -SC14-	20 A 1) 5 A 2)	-	Control unit 1 for information electronics -J794-	30
15	-	not assigned		-		
16	-	Fuse 16 on fuse holder C -SC16-	10 A	-	Steering column electronics control unit -J527- Heated steering wheel -Z36-	30

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- 1) 8RM sound system
- 2) 9VS and 8RF sound system
- 3) According to equipment
- 4 From October 2019

◆ 5) To September 2019

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1.9 Fitting location, relay and fuse carrier 2 -SR2- , Coupé and Sportback models

1 - Relay and fuse carrier 2 -SR2-

ST1 - Fuse carrier 1, black
- ❑ Fuse assignment ⇒ page 24

ST2 - Fuse carrier 2, red
- ❑ not assigned

ST3 - Fuse carrier 3, brown
- ❑ Fuse assignment ⇒ page 25

ST4 - Fuse carrier 4
- ❑ not assigned

ST5 - Fuse carrier 5, red
- ❑ Fuse assignment ⇒ page 26

ST6 - Fuse carrier 6
- ❑ Fuse assignment ⇒ page 27

A - Heated rear window fuse -S41- , 40 A
- ❑ Position 1
- ❑ not for Cabriolet

A - Automatic gearbox control unit fuse -S113- , 50 A
- ❑ Position 2
- ❑ not for natural gas vehicles

B - Heater element fuse 1 -S291- , 15 A

C - Front passenger seat adjustment thermal fuse 1 -S46- , 15 A

R5 - Digital sound package fuse -S358- , 40 A

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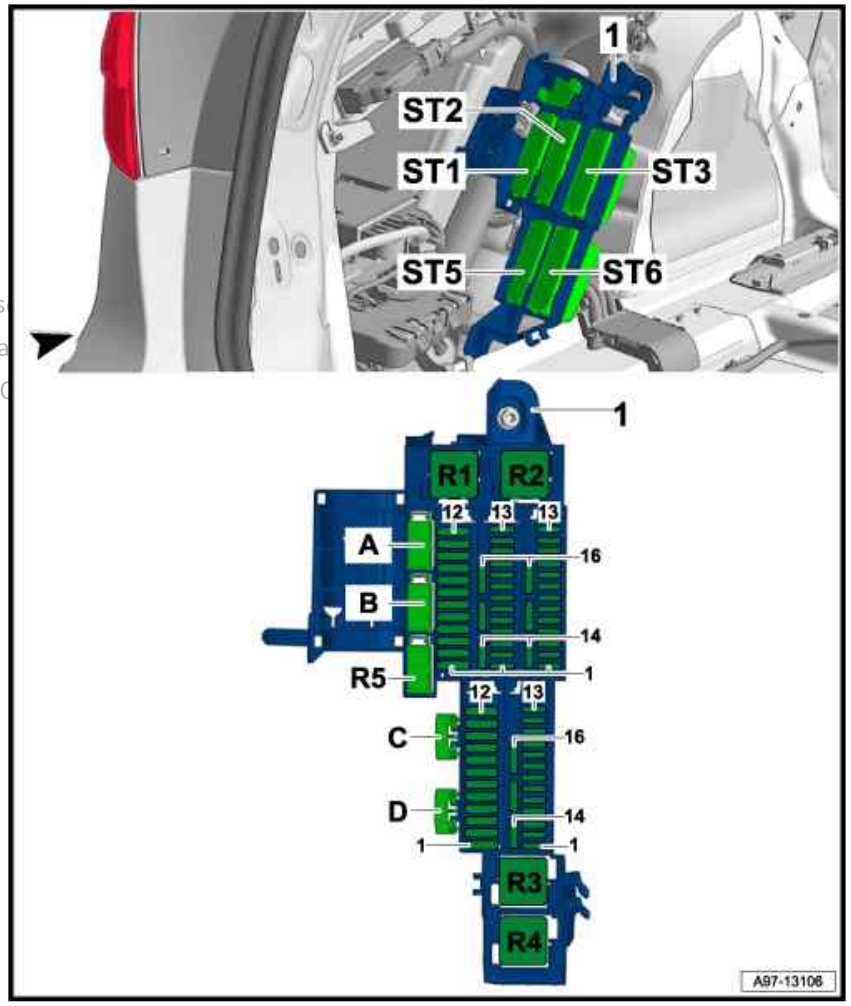


1.10 Fitting location, relay and fuse carrier 2 -SR2- , only Cabriolet models

1 - Relay and fuse carrier 2 -SR2-

ST1 - Fuse carrier 1, black

- ❑ Fuse assignment

ST2 - Fuse carrier 2, red

- ❑ not assigned

ST3 - Fuse carrier 3, brown

- ❑ Fuse assignment

ST5 - Fuse carrier 5, red

- ❑ Fuse assignment

2 - Convertible roof actuation fuse -S67- , 50 A

- ❑ Position 1

2 - Automatic gearbox control unit fuse -S113- , 50 A

- ❑ Position 2

3 - Digital sound package fuse -S358- , 40 A

4 - Ignore

5 - not assigned

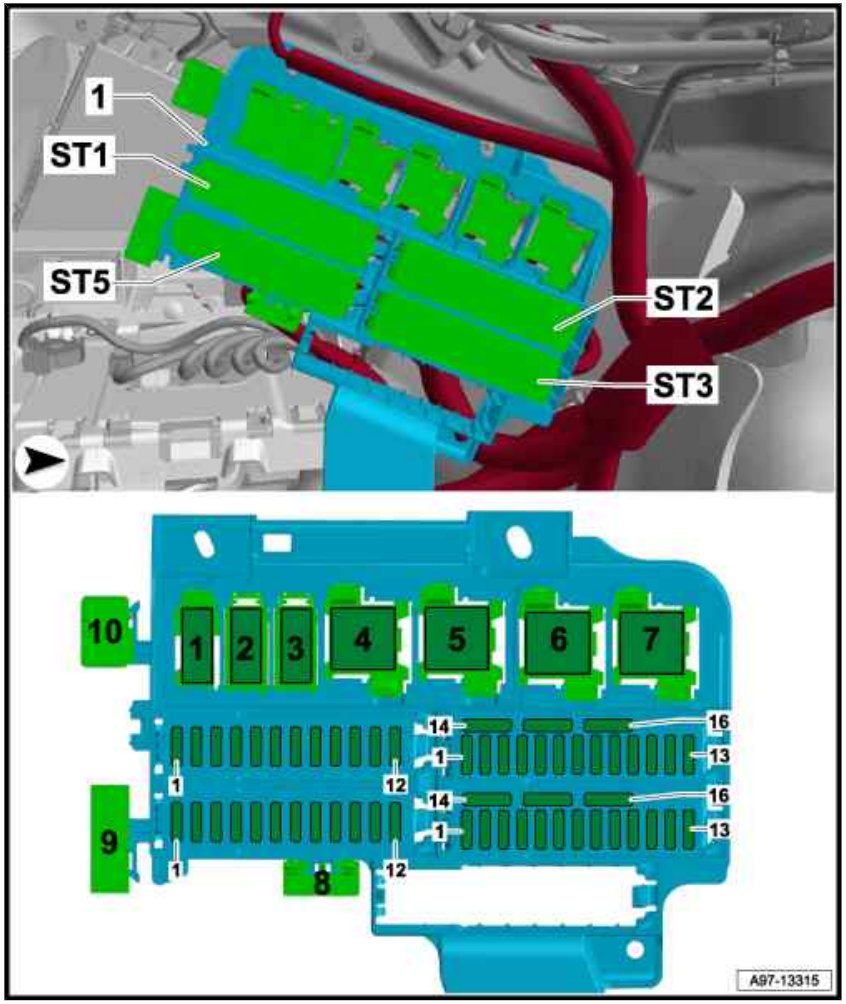
6 - not assigned

7 - not assigned

8 - Front passenger seat adjustment thermal fuse 1 -S46- , 15 A

9 - Ignore

10 - Ignore



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1.11 Fuse assignment on relay and fuse carrier 2 -SR2-

Fuse colours

- ◆ 40 A - orange
- ◆ 30 A - light green

- 25 A - clear
- 20 A - yellow
- 15 A - light blue
- 10 A - red
- 7.5 A - brown
- 5 A - light brown

1.11.1 Position of fuses on fuse carrier ST1, black

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	not assigned		-		
2	-	Fuse 2 in fuse holder F -SF2-	35 A	-	Heated windscreen relay for right side -J411- Heated windscreen -Z2-	30
3	-	Fuse 3 in fuse holder F -SF3-	35 A	-	Heated windscreen relay for left side -J410- Heated windscreen -Z2-	30
4	-	not assigned		-		
5	-	Fuse 5 in fuse holder F -SF5-	15 A	-	Running gear control unit -J775-	30
6	-	Fuse 6 in fuse holder F -SF6-	15 A	-	Automatic gearbox control unit -J217- Selector lever -E313- 1) 2)	30
7	-	Fuse 7 in fuse holder F -SF7-	30 A	-	Heated rear window relay -J9- 3) Heated rear window -Z1-	30
8	-	Fuse 8 in fuse holder F -SF8-	30 A	-	Operating and display unit for rear air conditioning system -E265-	30
9	-	Fuse 9 in fuse holder F -SF9-	20 A	-	Comfort system central control unit -J393- 4) Supply: - rear left lights Left tail light -MX3-	30
10	-	Fuse 10 in fuse holder F -SF10-	25 A	-	Control unit for front left belt tensioner -J854-	30
11	-	Fuse 11 in fuse holder F -SF11-	20 A	-	Comfort system central control unit -J393- 5) Supply: - rear centre light Left tail light 2 -MX5- Right tail light 2 -MX6-	30
12	-	Fuse 12 in fuse holder F -SF12-	30 A	-	Rear lid control unit -J605-	30

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- 1) According to equipment
- 2) 7.5 A
- 3) Only for Cabriolet models

- 4) (T17a/16)
- 5) (T17a/17)

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1.11.2 Fuse assignment on fuse carrier ST3, brown

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	not assigned		-		
2	-	Fuse 2 in fuse holder F -SF2-	5 A	-	Aerial amplifier for mobile telephone -R86- Control unit for seat belt microphone -J886-	30
3	-	Fuse 3 in fuse holder F -SF3-	7.5 A	-	Front right lumbar support adjustment switch -E753- Control unit for front passenger multicontour seat -J872- Front passenger seat lumbar support longitudinal adjustment motor -V126- Front passenger seat lumbar support height adjustment motor -V130- Valve block for front passenger seat and backrest bolster adjustment -V379-	30
4	-	Fuse 4 in fuse holder F -SF4-	5 A	-	Lane change assist control unit 2 -J770- Lane change assist control unit -J769-	30
5	-	Fuse 5 in fuse holder F -SF5-	10 A	-	Rear left information display and operating unit control unit -J648- Rear right information display and operating unit control unit -J649-	30
6	-	Fuse 6 in fuse holder F -SF6-	5 A	-	Left ultrasonic sensor for passenger compartment monitoring system, rear -G981- Right ultrasonic sensor for passenger compartment monitoring system, rear -G982- Tyre Pressure Monitoring System control unit -J502-	30
7	-	Fuse 7 in fuse holder F -SF7-	5 A	-	Near field communication control unit 2 -J1170-	30
8	-	Fuse 8 in fuse holder F -SF8-	5 A	-	Remote control receiver for auxiliary heater -R64- Metering pump -V54- Control unit for fuel tank leak detection -J909-	30
9	-	Fuse 6 in fuse holder F -SF6-	10 A	-	Convertible roof actuation control unit -J256-	30
10	-	Fuse 10 in fuse holder F -SF10-	5 A	-	TV tuner -R78-	30
11	-	Fuse 11 in fuse holder F -SF11-	10 A	-	Battery 48 V -A6- Second battery -A1- Coupling point in interior -TI- (/3)	30
12	-	Fuse 12 in fuse holder F -SF12-	5 A	-	Garage door operation control unit -J530- Garage door operating unit -E284-	30
13	-	Fuse 13 in fuse holder F -SF13-	5 A	-	Reversing camera system control unit -J772- Control unit for overhead view camera -J928-	30

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14	-	Fuse 14 in fuse holder F -SF14-	20 A	-	Convenience system central control unit -J393- , (T17b/16) Supply: - rear right lights Right tail light -MX4-	30
15	-	not assigned		-		
16	-	Fuse 16 in fuse holder F -SF16-	25 A	-	Control unit for front right belt tensioner -J855-	30

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1.11.3 Position of fuses on fuse carrier ST5, red

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	Fuse 1 in fuse holder F -SF1-	30 A	-	Relay for right neck heating -J912- ◆ Control unit for right neck heating -J847- ◆ Blower for right neck heating -V451-	30
2	-	Fuse 2 in fuse holder F -SF2-	30 A	-	Digital sound package control unit -J525- 3)	30
3	-	Fuse 3 in fuse holder F -SF3-	30 A	-	Control unit for reducing agent metering system -J880-	30
4	-	Fuse 4 in fuse holder F -SF4-	30 A	-	Convertible roof actuation control unit -J256-	30
5	-	Fuse 5 in fuse holder F -SF5-	25 A	-	Trailer detector control unit -J345-	30
6	-	not assigned		-		
7	-	Fuse 7 in fuse holder F -SF7-	15 A1) 20 A2)	-	Trailer detector control unit -J345-	30
8	-	Fuse 8 in fuse holder F -SF8-	25 A	-	Trailer detector control unit -J345-	30
9	-	Fuse 9 in fuse holder F -SF9-	15 A1) 20 A2)	-	Trailer detector control unit -J345-	30
10	-	Fuse 10 in fuse holder F -SF10-	40 A	-	Differential lock control unit -J187-	30
11	-	Fuse 11 in fuse holder F -SF11-	25 A	-	Control unit for reducing agent metering system -J880-	30
12	-	not assigned		-		

◆ 1) up to June 2019

◆ 2) from June 2019

◆ 3) To September 2019

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1.11.4 Position of fuses on fuse carrier ST6, black

not for Cabriolet

No.		Current flow diagram designation	Nominal value		Function/component	Terminal
1	-	Fuse 1 on fuse holder F -SF1-	5 A	-	Coupling point on bottom of left A-pillar -TALU- , T4lm	30
2	-	Fuse 2 in fuse holder F -SF2-	15 A	-	12 V socket -U5-	30
3	-	Fuse 3 in fuse holder F -SF3-	15 A	-	12 V socket 2 -U18-	30
4	-	Fuse 4 in fuse holder F -SF4-	15 A	-	12 V socket 3 -U19-	30
5	-	Fuse 5 in fuse holder F -SF5-	10 A	-	Two-way radio voltage relay -J84-	30
6	-	Fuse 6 in fuse holder F -SF6-	10 A	-	Two-way radio voltage relay -J84-	30
7	-	Fuse 7 in fuse holder F -SF7-	10 A	-	Two-way radio voltage relay 2 -J888-	30
8	-	Fuse 8 in fuse holder F -SF8-	10 A	-	Two-way radio voltage relay 2 -J888-	30
9	-	Fuse 9 in fuse holder F -SF9-	5 A	-	not assigned	30
10	-	Fuse 10 in fuse holder F -SF10-	10 A	-	Positive connection 2 (58), in special vehicle wiring harness -A251-	30
11	-	Fuse 11 in fuse holder F -SF11-	5 A	-	Coupling point in luggage compartment, centre -THRM- , pin 16	30
12	-	Fuse 12 in fuse holder F -SF12-	7.5 A	-	Interface for CiA MIB CAN bus, special vehicle interface -J1140-	30
13	-	Fuse 13 in fuse holder F -SF13-	1 A	-	Special vehicle control unit -J608- , pin 18	30
14	-	not assigned		-		
15	-	Fuse 15 in fuse holder F -SF15-	20 A	-	Coupling point in luggage compartment, right -THRR-	30
16	-	not assigned		-		

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1.12 Fitting location, fuses in fuse holder -S- , for models that do not have a natural gas engine

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1 - Fuses in fuse holder -S-

A - Fuse 4 (30) in battery fuse holder -S176- , 80 A, to relay and fuse carrier 2 -SR2- , fuse 2 on fuse holder F -SF2- , fuse 3 on fuse holder F -SF3-

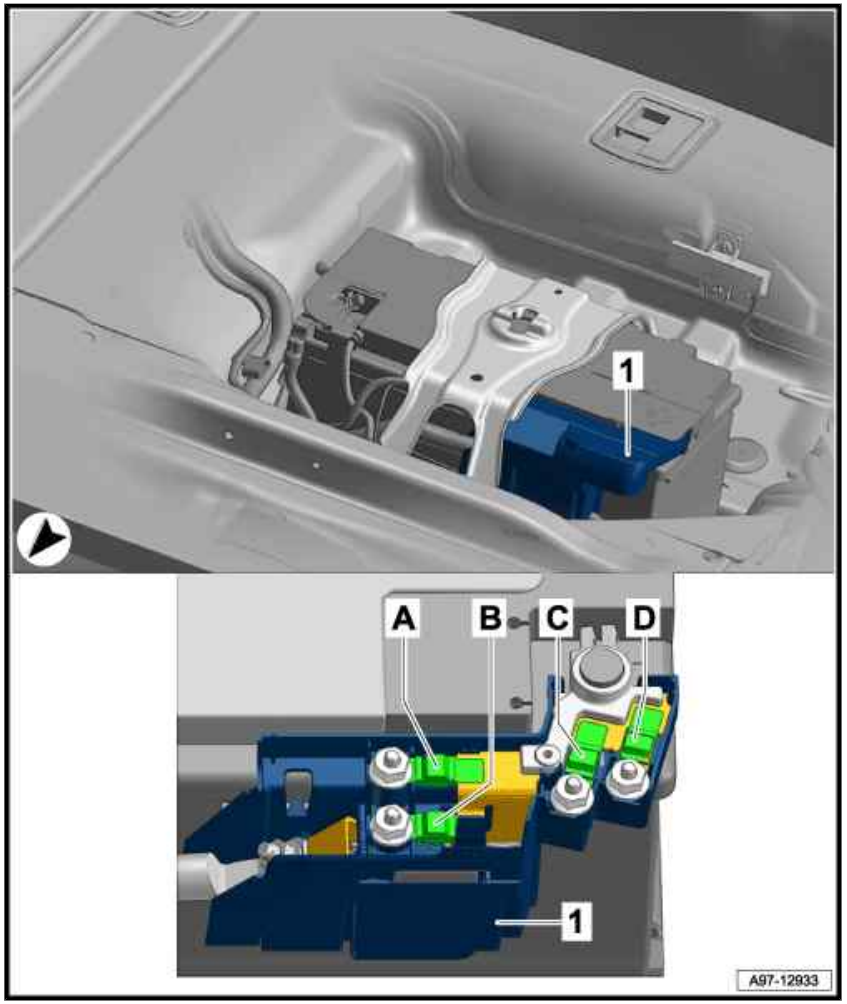
A - Fuse 4 (30) in battery fuse holder -S176- , 300 A, supply for Terminal 30 wiring junction 3 -TV28- , to relay and fuse carrier 1 -SR1- and relay and fuse carrier 2 -SR2-

- ❑ for models with CNG engine only

B - Fuse 1 (30) in battery fuse holder -S162- , 125 A, to power steering control unit -J500-

C - Fuse 2 (30), in battery fuse holder -S163- , 150 A, to B302 positive connection 6(30) in main wiring harness

D - Fuse 3 (30) in battery fuse holder -S164- , 200 A, to B272 positive connection (30) in main wiring harness/ B298 positive connection 2 (30) in main wiring harness



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1.13 Fitting location, fuses in fuse holder -S- , for models with natural gas engine

1 - Fuses in fuse holder -S-

2 - Terminal 30 wiring junction 3 -TV28-

A - Fuse 1 (30) in battery fuse holder -S162- , 125 A, to power steering control unit -J500-

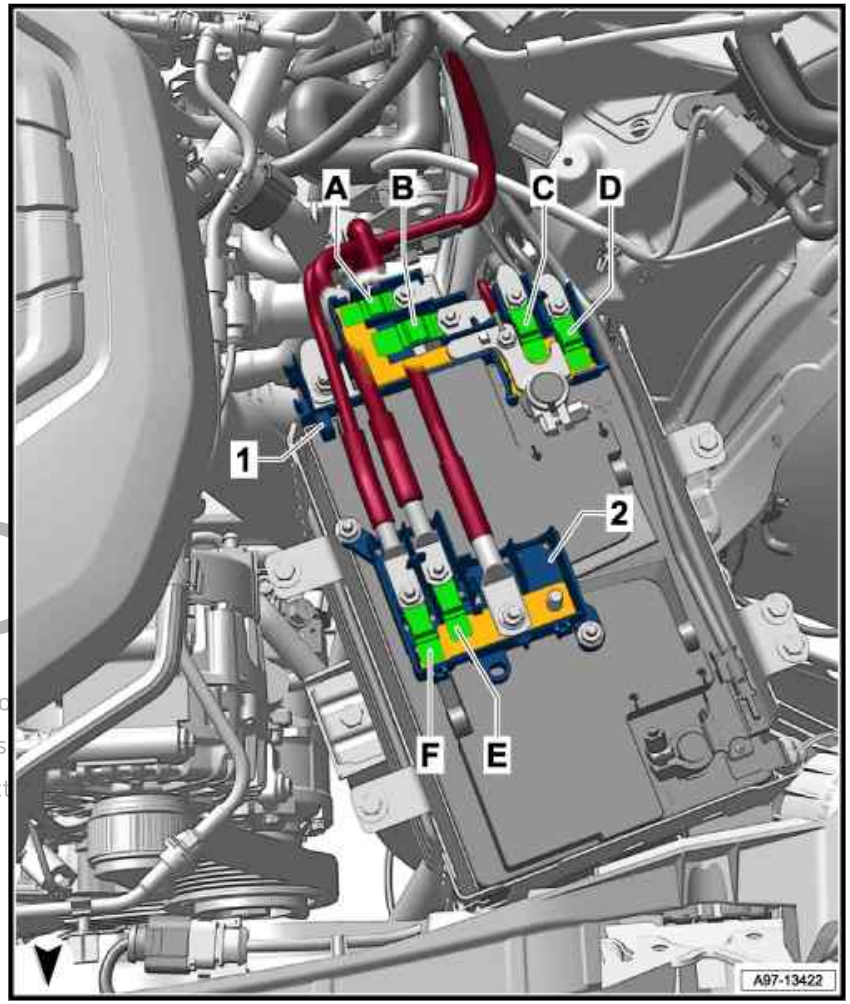
B - Fuse 4 (30) in battery fuse holder -S176- , 300 A, supply for terminal 30 wiring junction 3 -TV28-

C - not assigned

D - Fuse 3 (30) in battery fuse holder -S164- , 70 A, supply for heated windscreen -Z2-

E - Fuse 1 on fuse holder H -SH1- , 200 A, supply for relay and fuse carrier 1 -SR1-

F - Fuse 2 on fuse holder H -SH2- , 150 A, supply for relay and fuse carrier 2 -SR2-



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1.14 Fitting location, relay and fuse carrier 4 -SR4-

1 - Relay and fuse carrier 4 -SR4-

A - Heater element fuse 2 -S277- , 70 A

B - Heater element fuse 1 -S276- , 40 A

R1 - Ignore

R2 - Ignore

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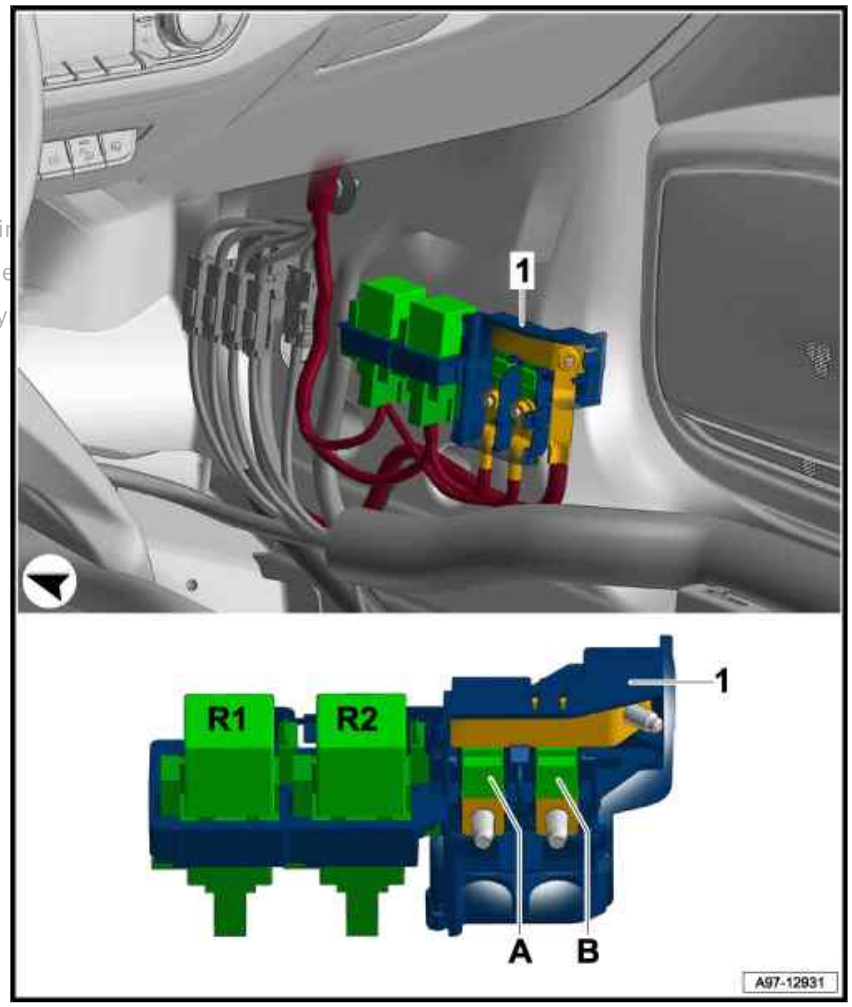

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1.15 Fitting location fuse holder A -SA-

1 - Fuse holder A -SA-

2 - Suppression filter -C24-

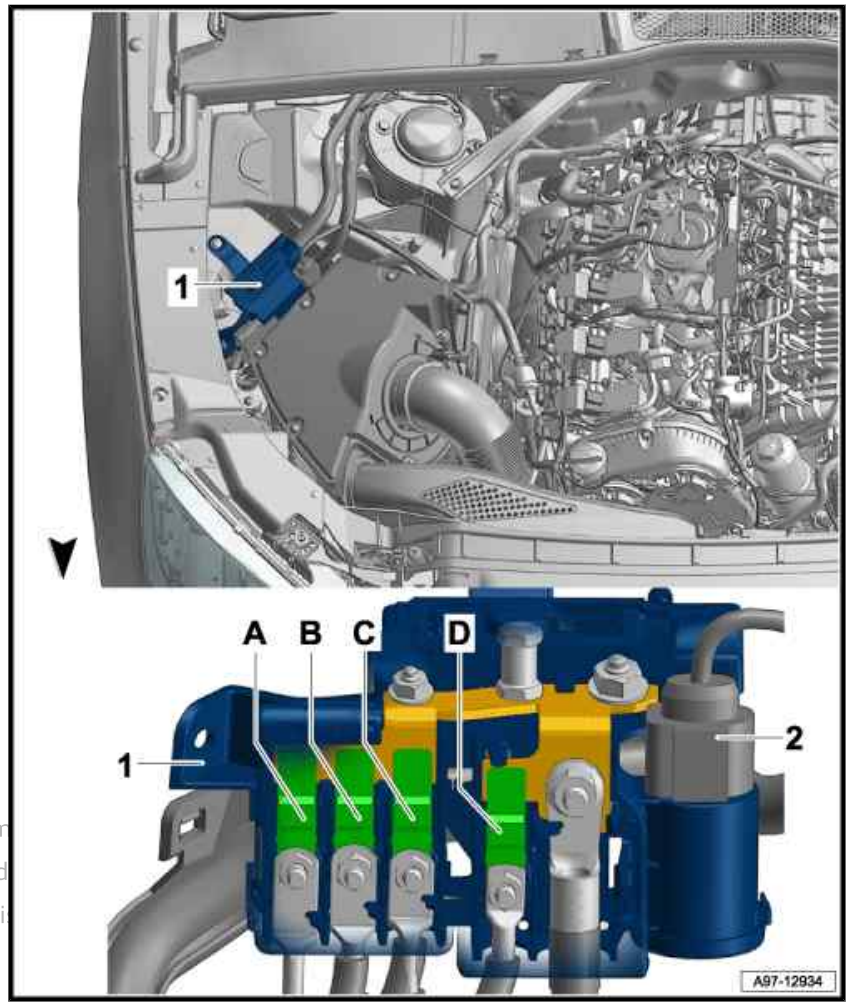
A - Fuse 3 on fuse holder A -SA3- , 50 A, to radiator fan control unit 2 -J671-

B - Fuse 2 on fuse holder A -SA2- , 50 A/ 70 A[1], to radiator fan control unit -J293-

C - Fuse 1 on fuse holder A -SA1- , 80 A[2]/ 125 A[3], diesel, to automatic glow period control unit -J179-

D - Individual fuse for radiator fan -S42- , 50 A[2]/ 70A[3]

- ❑ only for vehicles with petrol engine and a radiator fan



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- ♦ [1] Depending on equipment
- ♦ [2] 4-cylinder engine

◆ 3 6-cylinder engine

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1.16 Fitting location of wiring junction -TV1-

1 - Wiring junction -TV1-

A - Fuse 4 on wiring junction -S374- , 300 A, to voltage converter, 48 V/12 V -A7-

B - not assigned

C - Fuse 2 on wiring junction -S372- , 70 A, to relay and fuse carrier 2 -SR2-

D - not assigned

E - Terminal 30 connection, from fuses in fuse holder -S-

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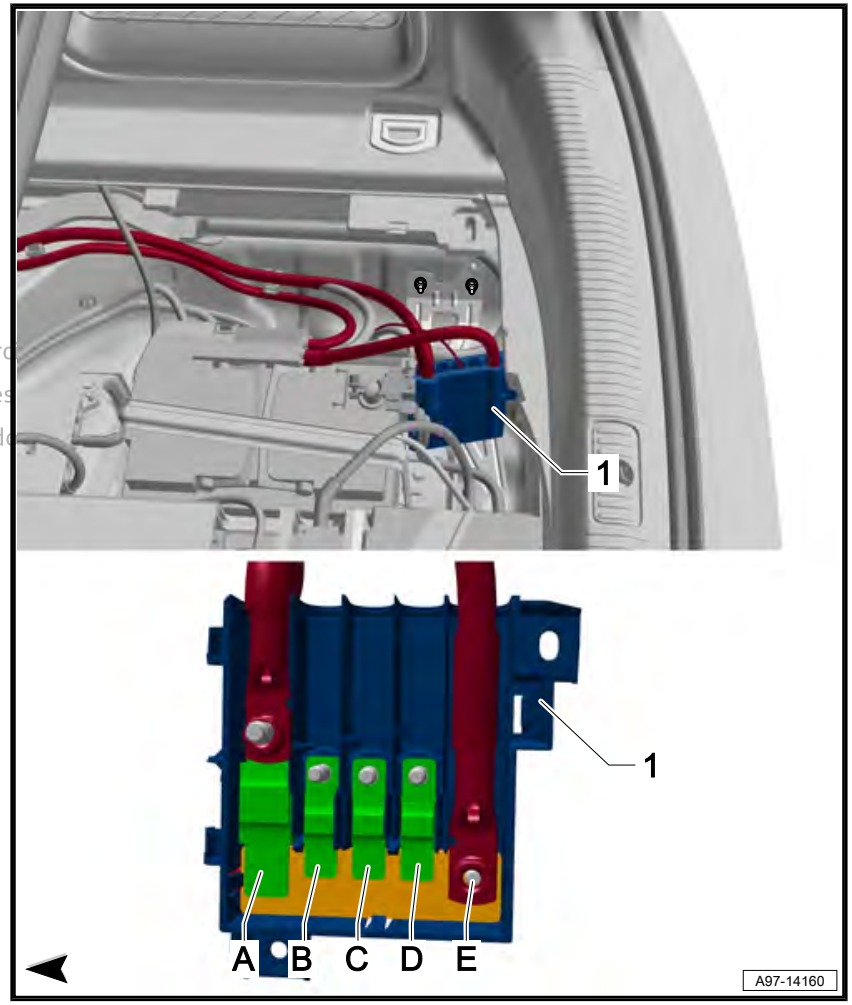

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1.17 Fitting location, terminal 40 wiring junction 2 -TV67-

1 - Terminal 40 wiring junction 2 -TV67-

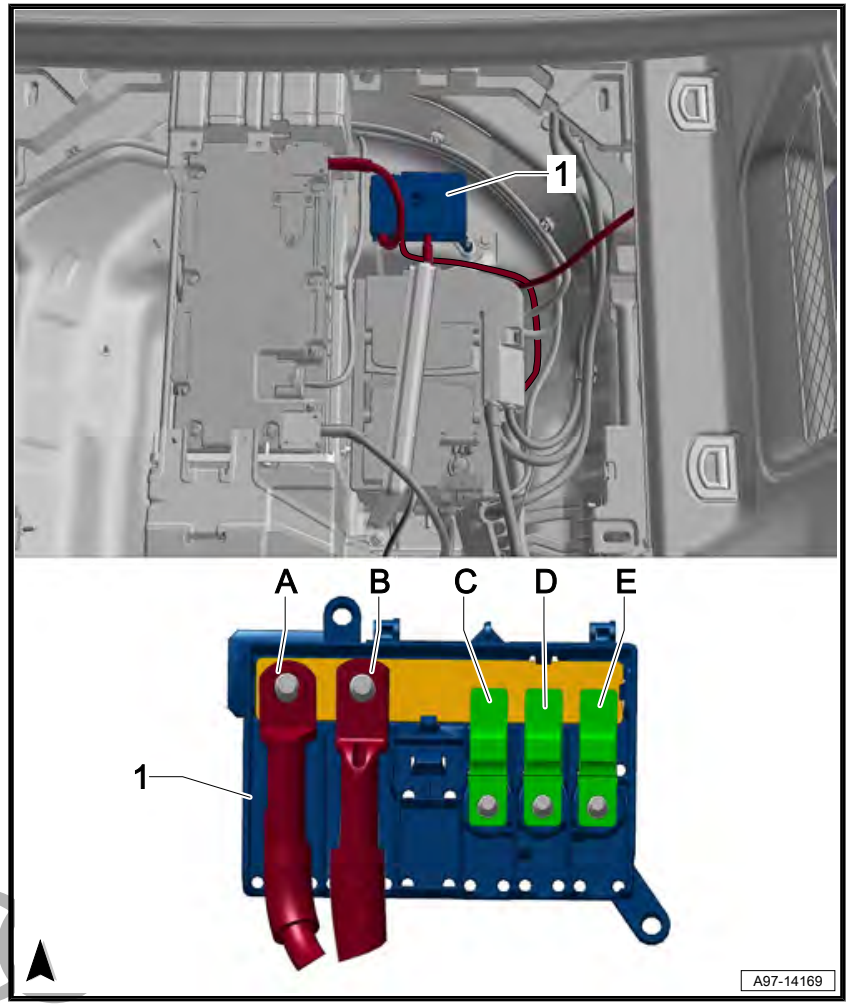
A - Terminal 40 connection from terminal 40 wiring junction -TV66-

B - Terminal 40 connection to battery, 48 V -A6-

C - Fuse 1 on wiring junction 2 for terminal 40 -S368- , 125 A, to voltage converter, 48 V/12 V -A7-

D - not assigned

E - not assigned



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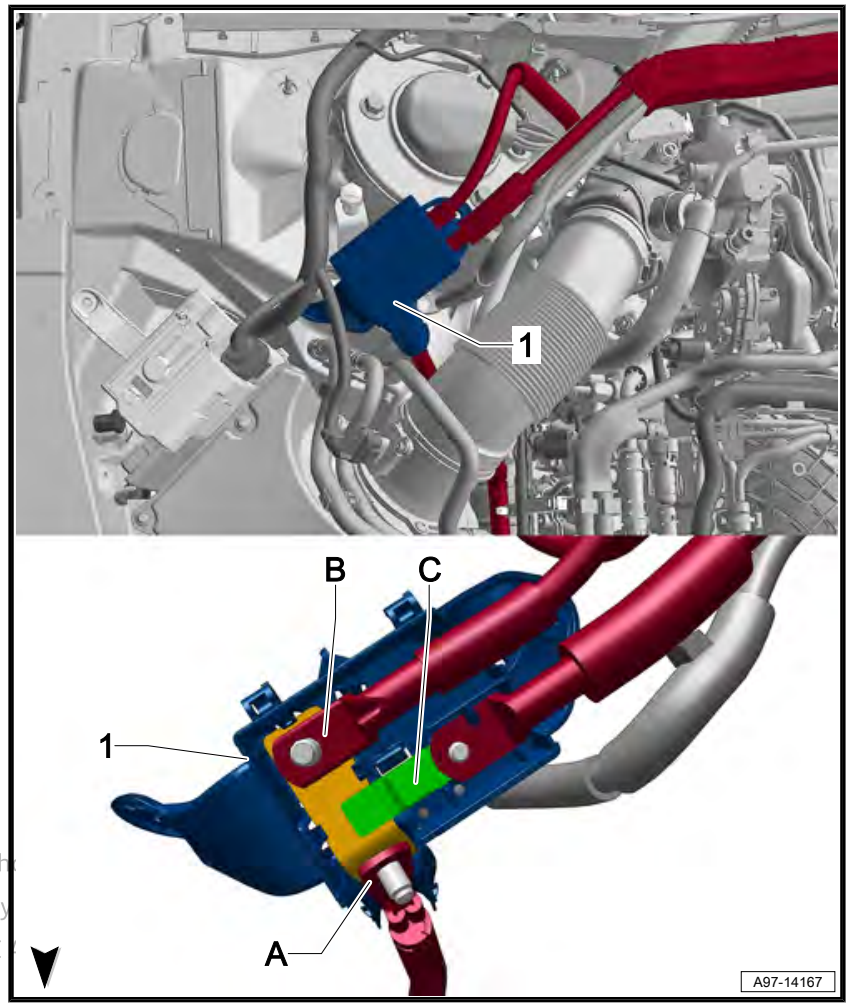
1.18 Fitting location, terminal 40 wiring junction -TV66-

1 - Terminal 40 wiring junction -TV66-

A - Terminal 40 connection to terminal 40 wiring junction 2 -TV67-

B - Terminal 40 connection from starter -C29-

C - Fuse 1 on wiring junction for terminal 40 -S366- , 150 A, to control unit for electric compressor -J1123-



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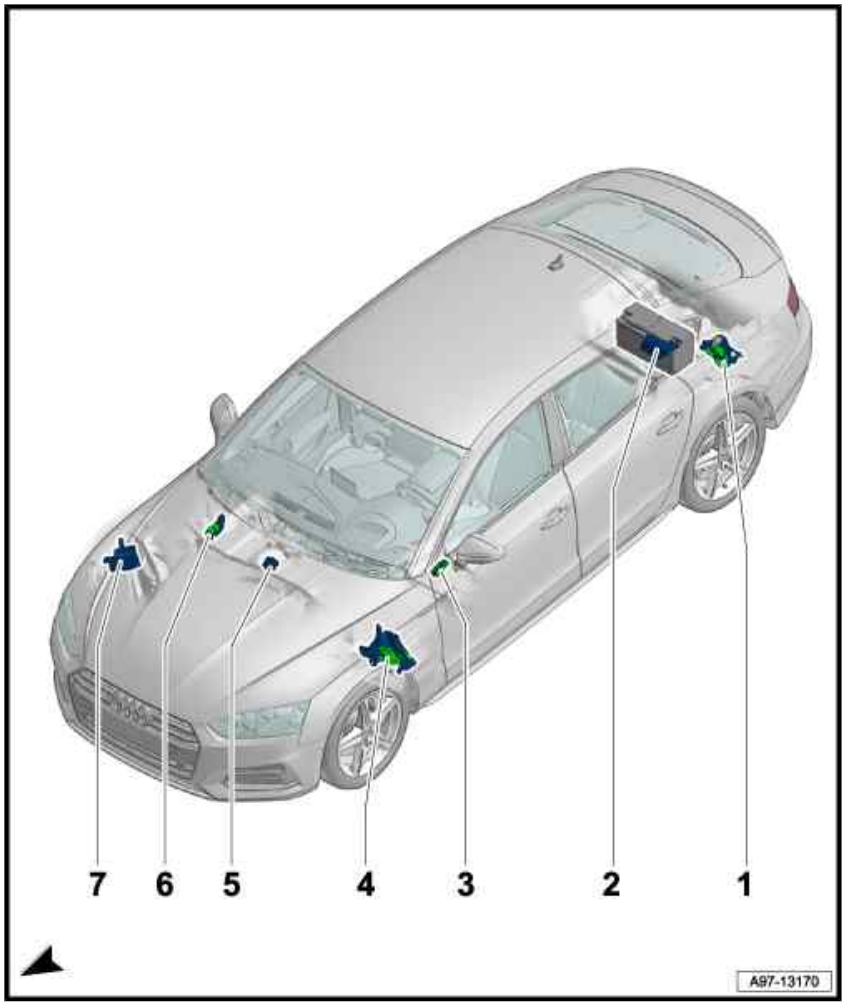
1 Relays

1.1 Overview of relay carriers



1 -
Relay and fuse carrier 2 -SR2-

- Heated rear window relay -J9-
- Heated windscreen relay -J47- , not for Cabriolet models
- Two-way radio voltage relay -J84- , not for Cabriolet models
- Heated windscreen relay for left side -J410- , not for Cabriolet models
- Heated windscreen relay for right side -J411- , not for Cabriolet models
- Two-way radio voltage relay 2 -J888- , not for Cabriolet models
- Relay for right neck heating -J911- , only Cabriolet models
- Relay for right neck heating -J912- , only Cabriolet models
  - Fitting location and relay slot assignment, Coupé and Sportback models ⇒ page 8
  - Fitting location and relay slot assignment, only Cabriolet models ⇒ page 9

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2 - Ignore

3 - Ignore

4 -
Relay and fuse carrier 1 -SR1-

- Main relay -J271-
- Engine component current supply relay -J757-
- Terminal 15 voltage supply relay -J329-
- Relay for left neck heating -J911- , only Cabriolet models, up to Week 22, 2019
  - Fitting location and position of relays, left-hand drive ⇒ page 6
  - Fitting location and position of relays, right-hand drive ⇒ page 7

5 -
Relay and fuse carrier 3 -SR3- / relay and fuse carrier 5 -SR5-

- Starter relay 1 -J906-

- Starter relay 2 -J907-
- Heated windscreen relay for left side -J410-
- Heated windscreen relay for right side -J411-
  - Fitting location and relay slot assignment, relay and fuse carrier 3 -SR3- ⇒ page 4
  - Fitting location and relay slot assignment, relay and fuse carrier 5 -SR5- ⇒ page 5

6 - Relay and fuse carrier 4 -SR4-

- Low heat output relay -J359-
- High heat output relay -J360-
  - Fitting location and relay assignment ⇒ page 3

7 - Ignore

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1.2 Fitting location, relay and fuse carrier 4 -SR4-

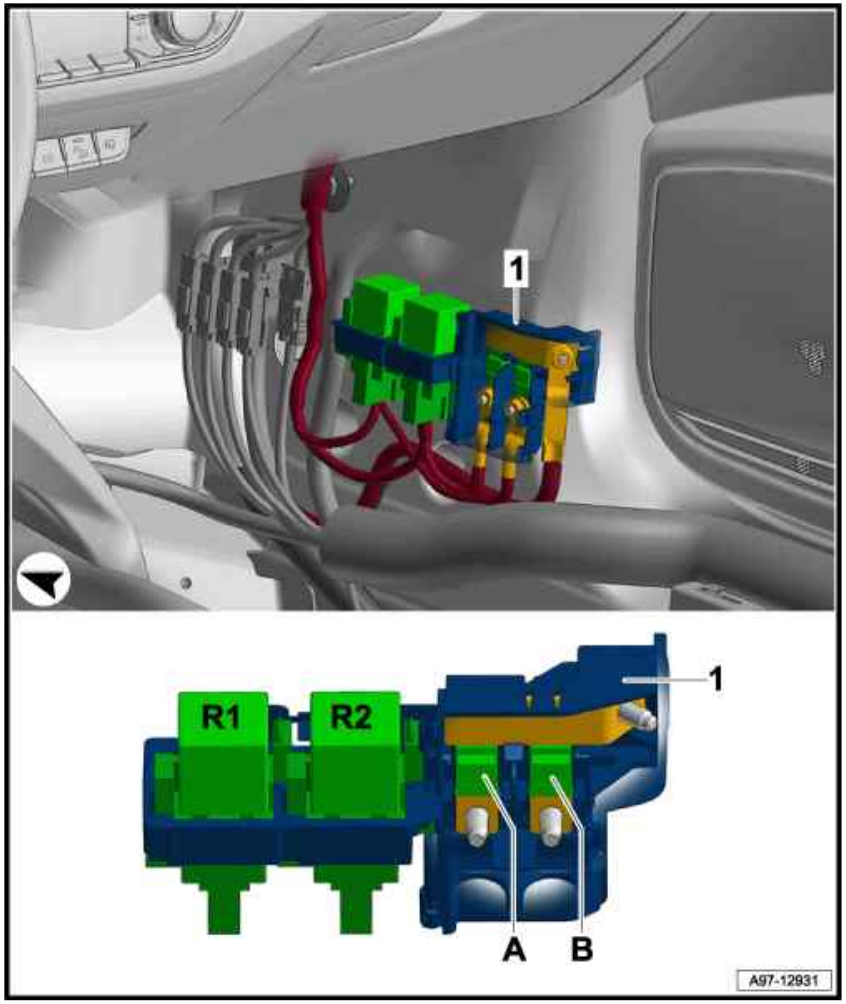
1 - Relay and fuse carrier 4 -SR4-

A - Ignore

B - Ignore

R1 - Low heat output relay -J359-

R2 - High heat output relay -J360-



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1.3 Fitting location, relay and fuse carrier 3 -SR3-

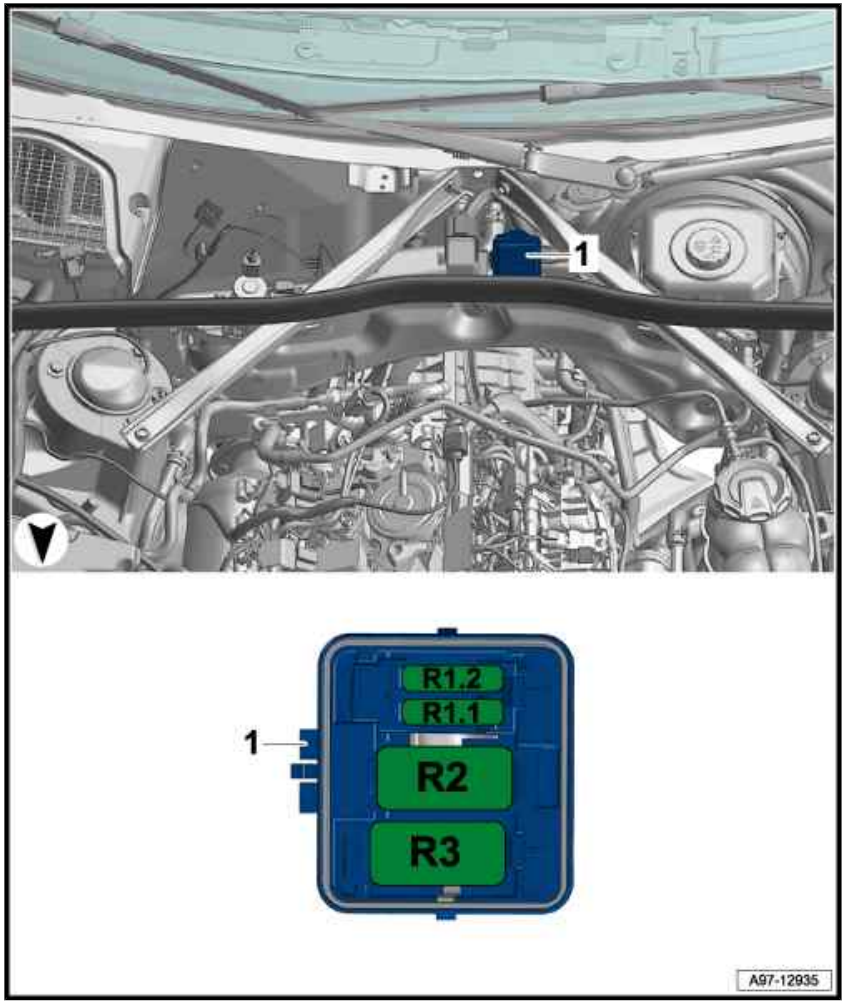
1 - Relay and fuse carrier 3 -SR3-

R1.1 - Ignore

R1.2 - Ignore

R2 - Starter relay 1 -J906-

R3 - Starter relay 2 -J907-



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1.4 Fitting location, relay and fuse carrier 5 -SR5-

1 - Relay and fuse carrier 5 -SR5-

A - Ignore

B - Ignore

R1 - Heated windscreen relay for left side -J410-

R2 - Heated windscreen relay for right side -J411-

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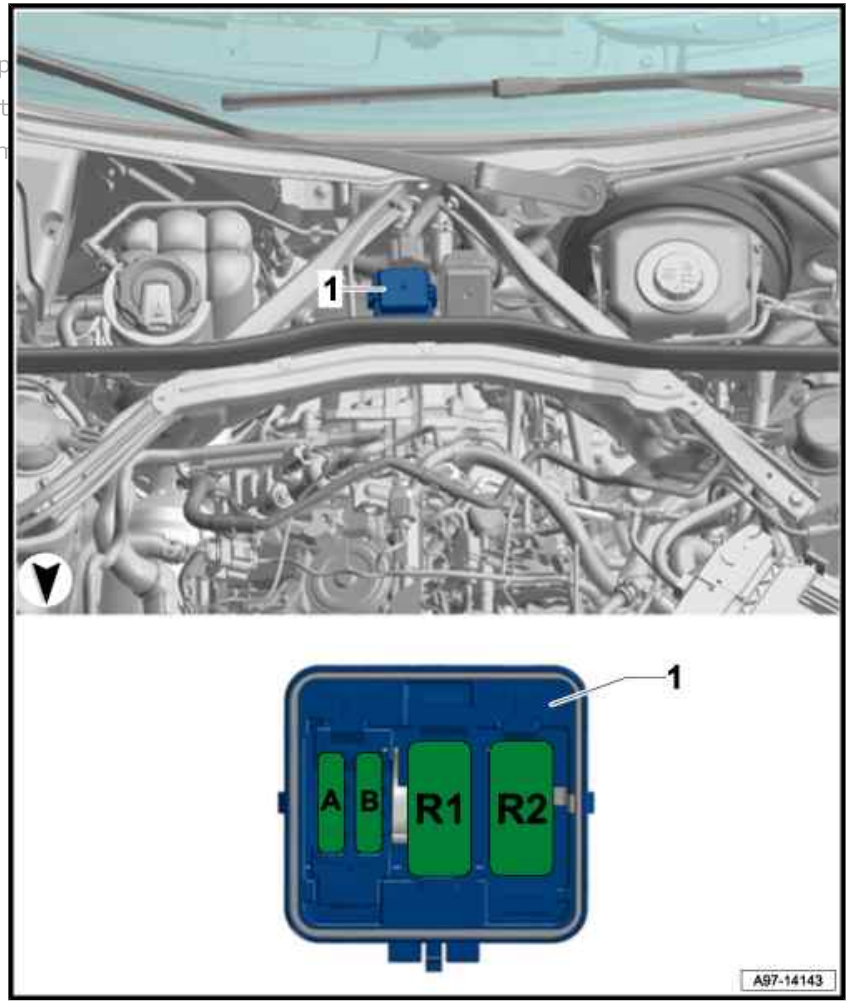


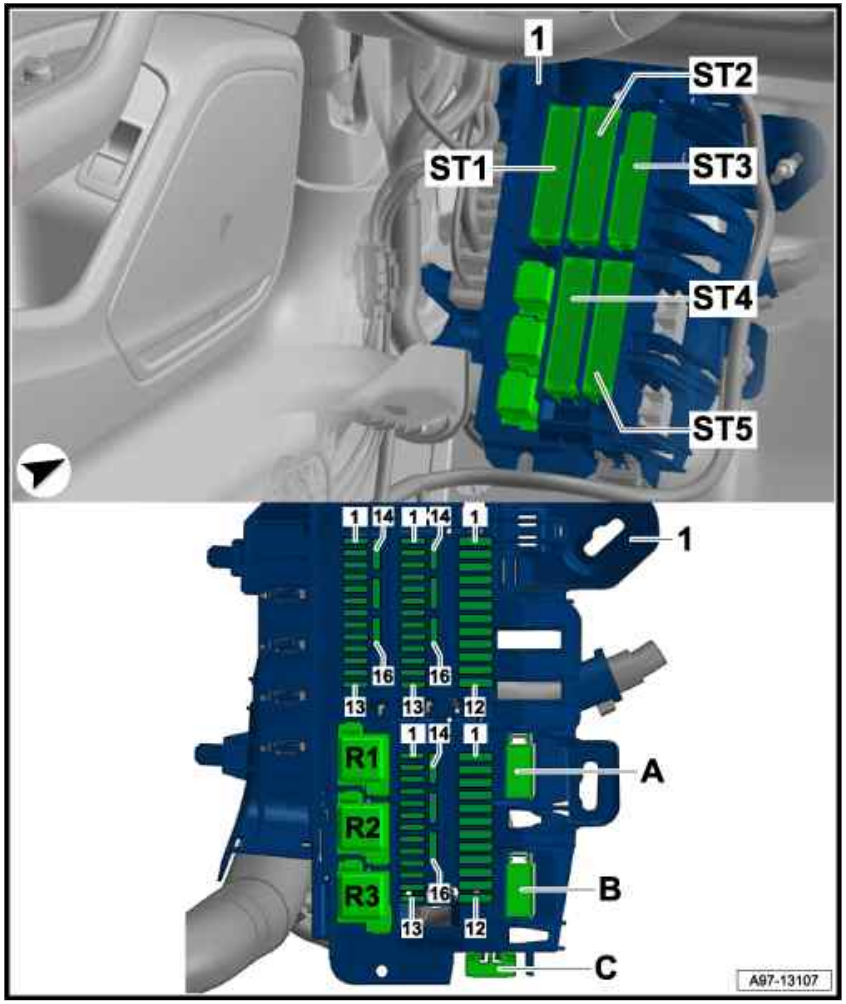
1.5 Fitting location, relay and fuse carrier 1 -SR1- , left-hand drive models

1 - Relay and fuse carrier 1 -SR1-

R1 - Main relay -J271-

R2 - Engine component current supply relay -J757-

R3 - Terminal 15 voltage supply relay -J329-



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1.6 Fitting location, relay and fuse carrier 1 -SR1- , right-hand drive models

1 - Relay and fuse carrier 1 -SR1-

R1 - Engine component current supply relay -J757-

R2 - Main relay -J271-

R3 - Terminal 15 voltage supply relay -J329-

B - Relay for left neck heating -J911- 1)

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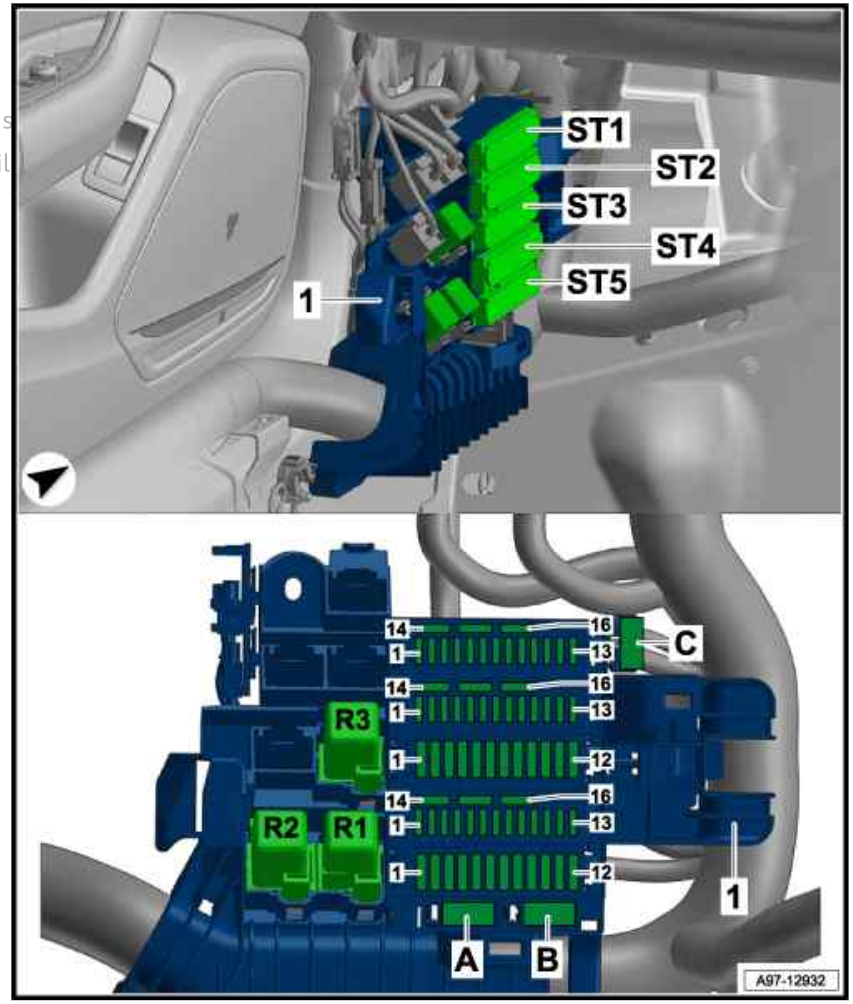


1) Only Cabriolet models

1.7 Fitting location, relay and fuse carrier 2 -SR2- , Coupé and Sportback models

R1 - Heated windscreen relay -J47-

R1 - Two-way radio voltage relay 2 -J888- 2)

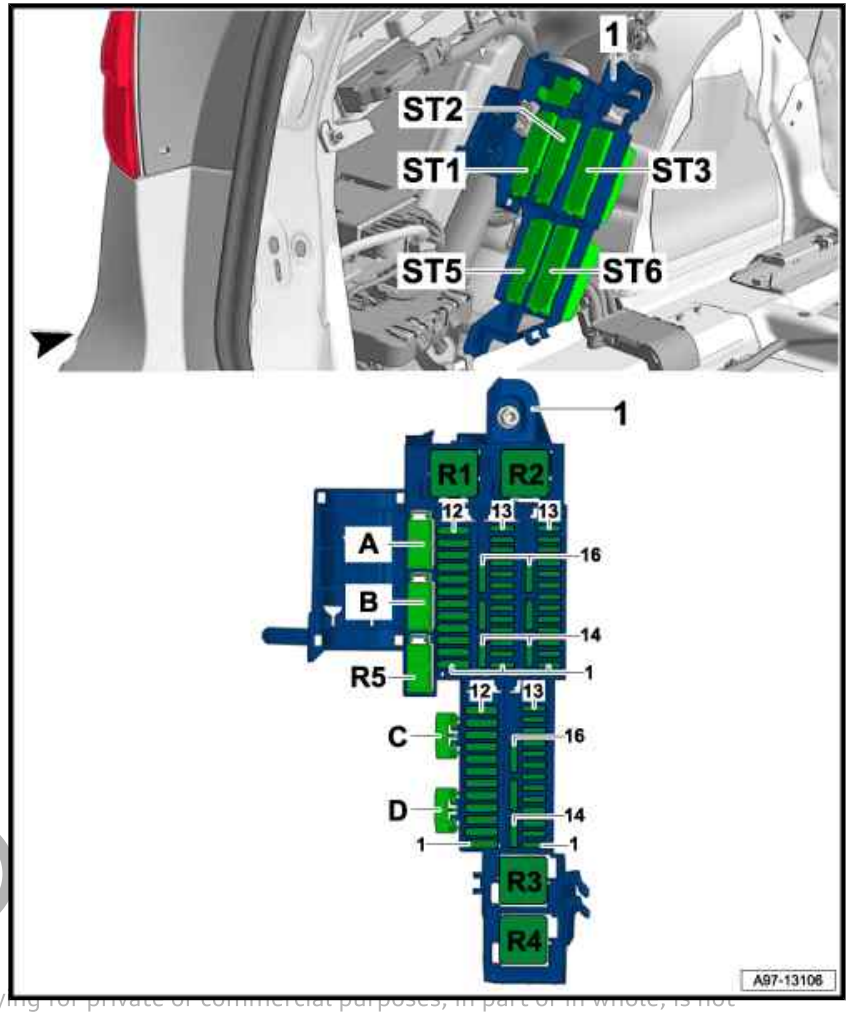
R2 - not assigned

R2 - Two-way radio voltage relay -J84- 2)

R3 - Heated rear window relay -J9-

R4.1 - Heated windscreen relay for left side -J410-

R4.2 - Heated windscreen relay for right side -J411-



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2) Only for special vehicles

1.8 Fitting location, relay and fuse carrier 2 -SR2- , only Cabriolet models

1 - Relay for right neck heating -J912-
2 - Ignore
3 - Relay for left neck heating -J911-
4 - Heated rear window relay -J9-
5 - not assigned
6 - not assigned
7 - not assigned

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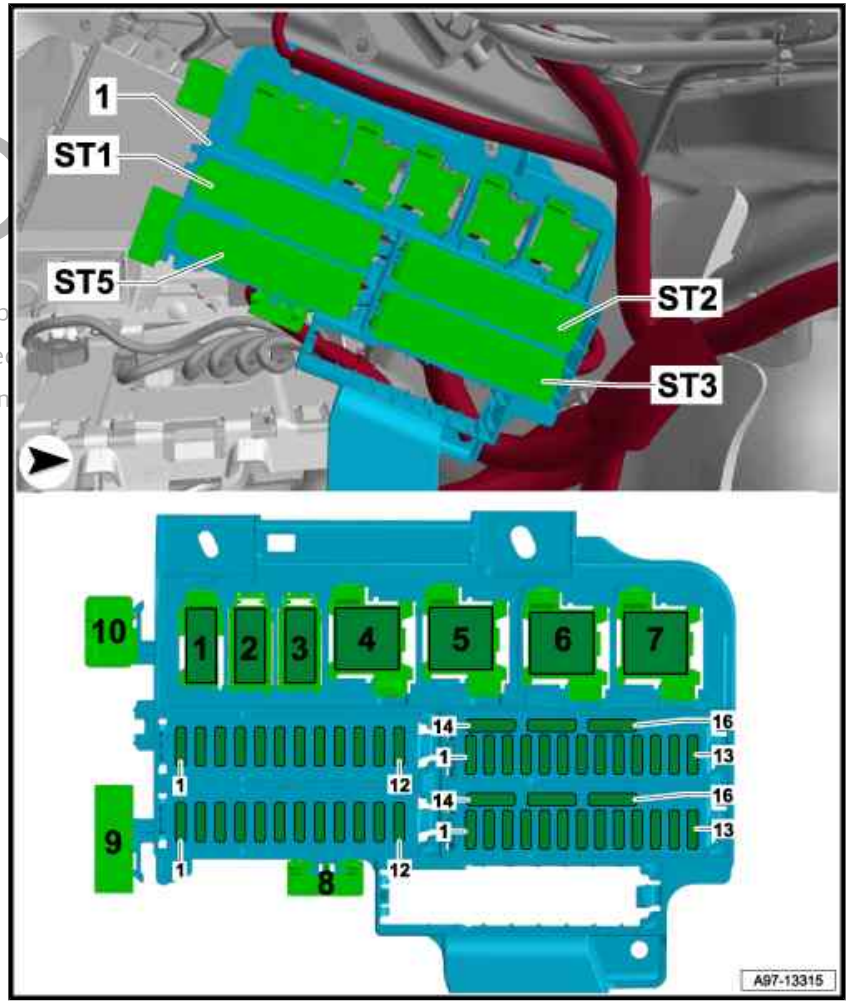
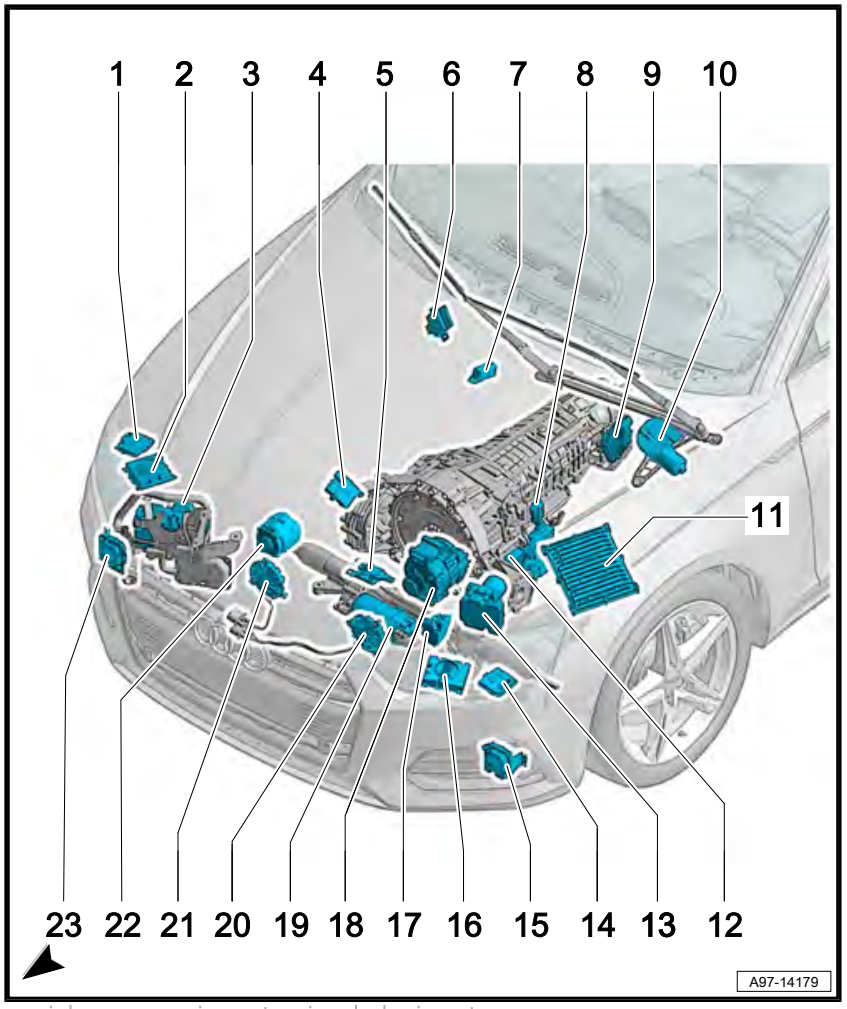


1 Control units in front part of vehicle

1.1 Overview of control units in front part of vehicle



1 - Right light control unit -J1023-

- ❑ Fitting location up to September 2019 ⇒ page 4

2 - Output module 1 for right LED headlight -A27-

- ❑ Fitting location up to September 2019 ⇒ page 4
- ❑ Fitting location (8EX) from October 2019 ⇒ page 5
- ❑ Fitting location (8IY, 8IZ) from October 2019 ⇒ page 6

3 - Auxiliary heater control unit -J364-

- ❑ Fitting location ⇒ page 14
- ❑ Connector assignment ⇒ page 15

4 - Automatic glow period control unit -J179-

- ❑ Fitting location ⇒ page 10
- ❑ Connector assignment ⇒ page 11

5 - NOx sensor control unit -J583-

- ❑ Fitting location ⇒ page 21
- ❑ Connector assignment ⇒ page 22

6 - Control unit for structure-borne sound -J869-

- ❑ Fitting location for left-hand drive models ⇒ page 27
- ❑ Connector assignment ⇒ page 28
- ❑ Fitting location for right-hand drive models laterally reversed

7 - Automatic glow period control unit -J179-

- ❑ Fitting location ⇒ page 8
- ❑ Connector assignment ⇒ page 9
- ❑ Fitting location and connector assignment for 3.0 l diesel engine: ⇒ item 4 (page 1)

8 - Mechatronic unit for dual clutch gearbox -J743-

- ❑ Fitting location ⇒ page 29
- ❑ Connector assignment ⇒ page 30

9 - All-wheel drive control unit -J492-

- ❑ Location on gearbox ⇒ page 32
- ❑ Connector assignment ⇒ page 33

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10 - Wiper motor control unit -J400-

- Fitting location for left-hand drive models ⇒ page 16
- Fitting location for right-hand drive models laterally reversed
- Connector assignment, left-hand drive models, ⇒ page 17
- Connector assignment, right-hand drive models, ⇒ page 18

11 - Engine control unit -J623-

- Fitting location, 196-pin ⇒ page 23
- Fitting location, 315-pin ⇒ page 24
- Fitting location, 280-pin ⇒ page 25

12 - Automatic gearbox control unit -J217-

- Fitting location ⇒ page 31
- Connector assignment ⇒ page 31

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13 - ABS control unit -J104-

- Fitting location ⇒ page 7
- Connector assignment ⇒ page 7

14 - Left light control unit -J1018-

- Fitting location up to September 2019 ⇒ page 4

15 - Control unit 2 for adaptive cruise control -J850-

- Fitting location ⇒ page 26
- Connector assignment ⇒ page 26

16 - Output module 1 for left LED headlight -A31-

- Fitting location up to September 2019 ⇒ page 4
- Fitting location (8EX) from October 2019 ⇒ page 5
- Fitting location (8IY, 8IZ) from October 2019 ⇒ page 6

17 - Control unit for electric compressor -J1123-

- for vehicles with 48 volt hybrid system
- Fitting location ⇒ page 37
- Connector assignment ⇒ page 38

18 - Starter-alternator -C29-

- for vehicles with 12 volt hybrid system
- for models with 48 volt hybrid system ⇒ item 22 (page 3)
- Fitting location ⇒ page 34
- Connector assignment ⇒ page 35

19 - Power steering control unit -J500-

- Fitting location ⇒ page 20
- Connector assignment ⇒ page 21

20 - Radiator fan control unit 2 -J671-

- Installation location with 800 watt or 1200 watt radiator fan ⇒ page 13
- Connector assignment with 800 watt or 1200 watt radiator fan ⇒ page 14

21 - Radiator fan control unit -J293-

- Installation location with 400 watt or 600 watt radiator fan ⇒ page 11
- Installation location with 800 watt or 1200 watt radiator fan ⇒ page 13
- Connector assignment with 400 watt or 600 watt radiator fan ⇒ page 12
- Connector assignment with 800 watt or 1200 watt radiator fan ⇒ page 14

22 - Starter-alternator -C29-

- for vehicles with 48 volt hybrid system
- Fitting location ⇒ page 36
- Connector assignment ⇒ page 37

23 - Adaptive cruise control unit -J428-

- Fitting location ⇒ page 18
- Connector assignment ⇒ page 19

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1.2 Fitting location, control units on headlight -MX1- / -MX2-

1.2.1 Fitting location of control units on front headlight -MX1- / -MX2- , to September 2019

Fitting location

At front of vehicle.

1 - Output module 1 for left LED headlight -A31- / output module 1 for right LED headlight -A27-

2 - Left light control unit -J1018- / right light control unit -J1023-

A - 14-pin connector -T14l- / -T14r- , black

- ❑ Left headlight: -T14l-
- ❑ Right headlight: -T14r-

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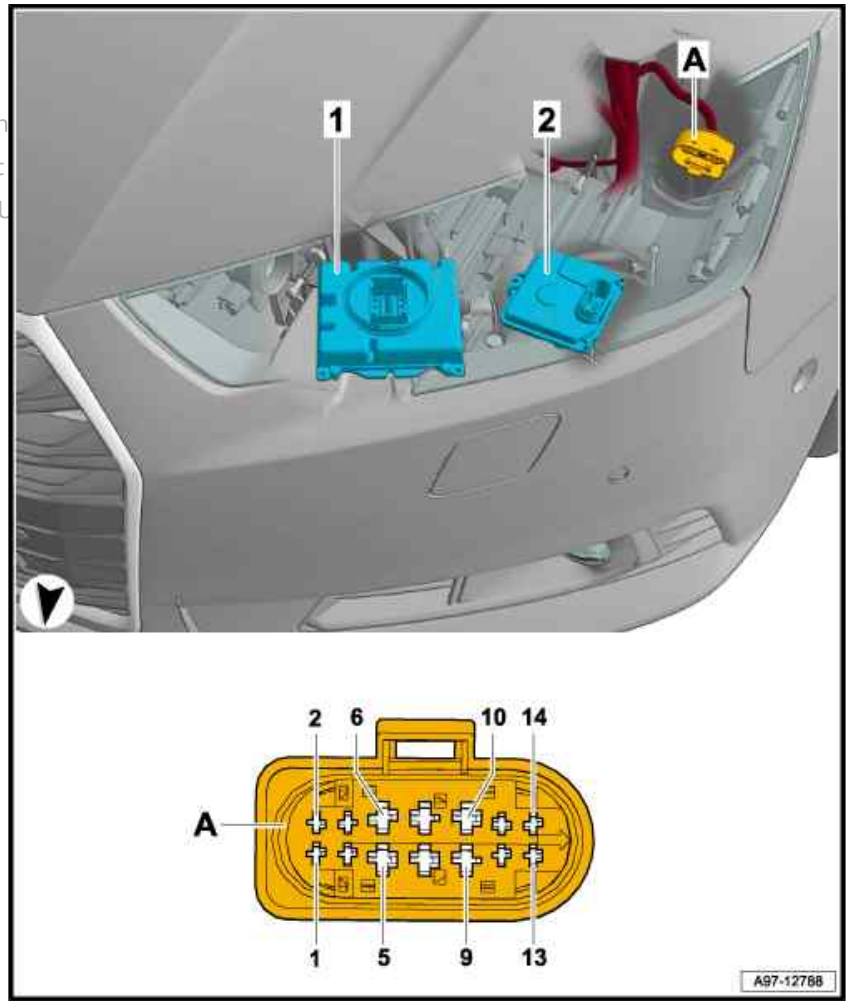

Back to overview ⇒ page 1 .

1.2.2 Fitting location of control units on front headlight -MX1- / -MX2- , (8EX) from October 2019

Fitting location

At front of vehicle.

1 - Output module 1 for left LED headlight -A31- / output module 1 for right LED headlight -A27-

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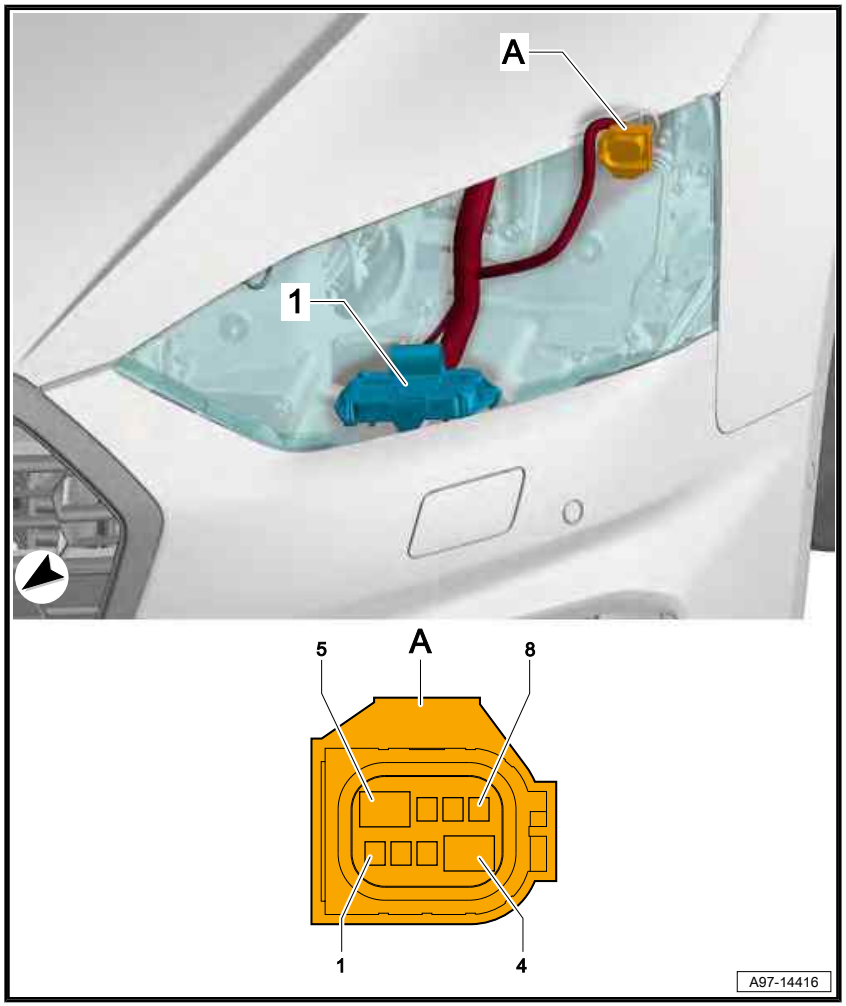
A - 8-pin connector -T8bmy- / -T8bmz-

- ❑ Left headlight: -T8bmy-
- ❑ Right headlight: -T8bmz-



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1.2.3 Fitting location of control units on front headlight -MX1- / -MX2- , (8IY, 8IZ) from October 2019

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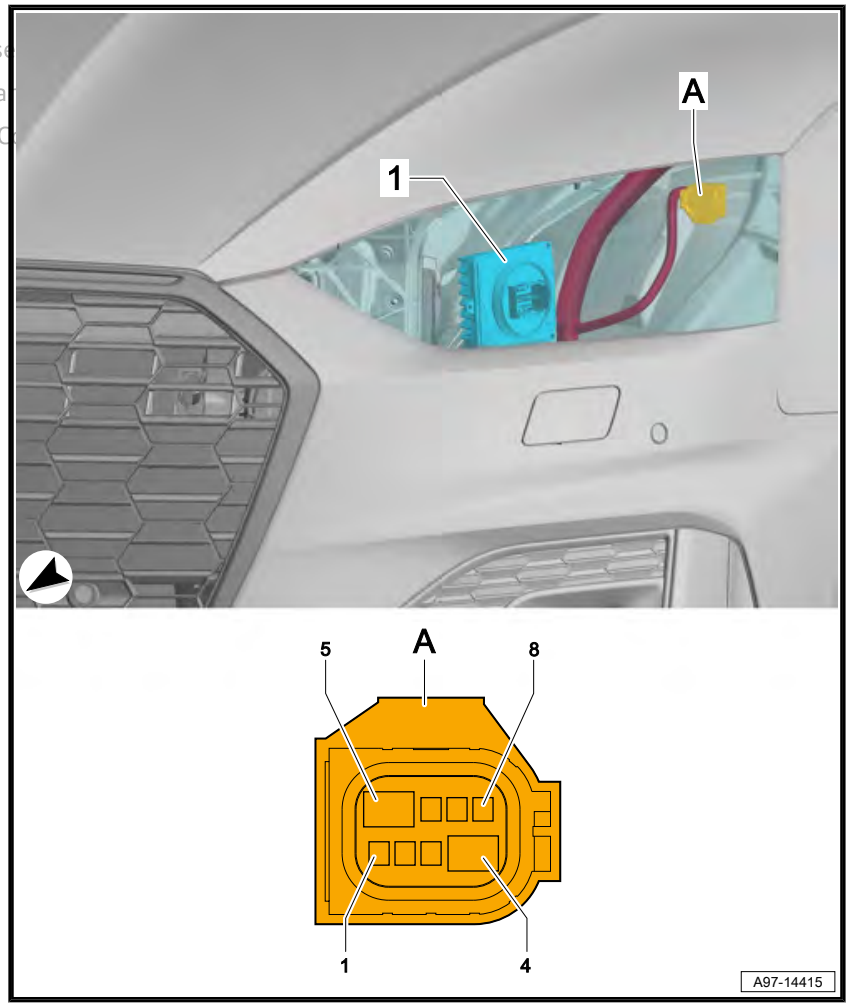
Fitting location

At front of vehicle.

1 - Output module 1 for left LED headlight -A31- / output module 1 for right LED headlight -A27-

A - 8-pin connector -T8bmy- / -T8bmz-

- ❑ Left headlight: -T8bmy-
- ❑ Right headlight: -T8bmz-



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1.3 Fitting location, ABS control unit -J104-

Fitting location

On left in engine compartment.

1 - ABS control unit -J104-

A - 46-pin connector -T46- , black

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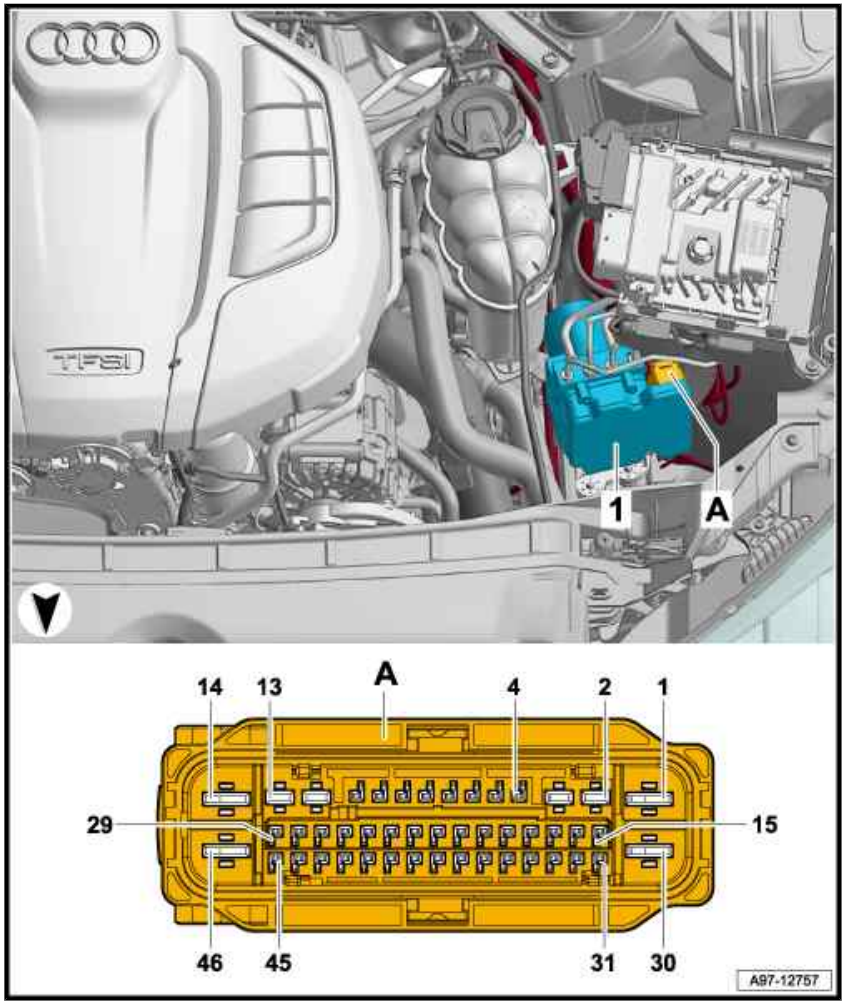

Connector assignment, ABS control unit -J104-

-T46- (A)	Designation		-T46- (A)	Designation
1	Terminal 30		24	Front left speed sensor -G47-

-T46- (A)	Designation		-T46- (A)	Designation
2	Right parking brake motor -V283-		25	Electromechanical parking brake warning lamp -K213-
3	Right parking brake motor -V283-		26	Front right speed sensor -G45-
4	Terminal 30		27	
5			28	Engine control unit -J623- / data bus line (FlexRay bus)
6			29	
7	Front left speed sensor -G47-		30	Terminal 30
8			31	Electromechanical parking brake button -E538-
9			32	Electromechanical parking brake button -E538-
10			33	
11			34	Clutch position sender -G476-
12	Left parking brake motor -V282-		35	
13	Left parking brake motor -V282-		36	Terminal 15
14	Terminal 31		37	Rear right speed sensor -G44-
15	Electromechanical parking brake button -E538-		38	
16	Electromechanical parking brake button -E538-		39	Rear left speed sensor -G46-
17			40	Vacuum sender -G608-
18			41	Vacuum sender -G608-
19			42	
20			43	
21	Front right speed sensor -G45-		44	Engine control unit -J623- / data bus line (FlexRay bus)
22	Rear right speed sensor -G44-		45	Vacuum sender -G608-
23	Rear left speed sensor -G46-		46	Terminal 31

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1.4 Fitting location automatic glow period control unit -J179-

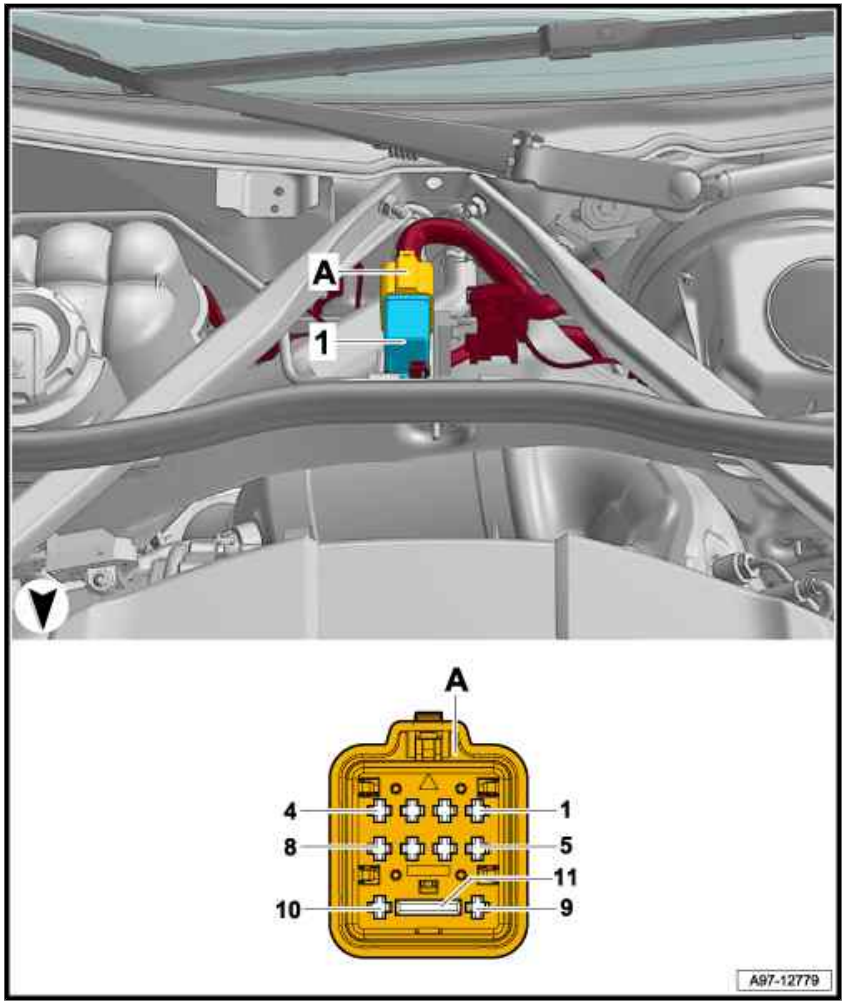
1.4.1 Fitting location of automatic glow period control unit -J179- , for models with engine code DFVA, CZHA, DESA, DETA, DETB, DEUA, DEUB, DEUC, CRTC, CSWB, DCPC, DCPE

Fitting location

central in plenum chamber.

1 - Automatic glow period control unit -J179-

A - 11-pin connector -T11a- , black



Connector assignment of automatic glow period control unit -J179-

-T11a- (A)	Designation	-T11a- (A)	Designation
1	Glow plug 1 -Q10-	7	Terminal 31
2	Glow plug 2 -Q11-	8	Glow plug 6 -Q15-
3	Glow plug 3 -Q12-	9	
4	Glow plug 4 -Q13-	10	Engine control unit -J623-
5	Glow plug 5 -Q14-	11	Terminal 30

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-T11a- (A)	Designation		-T11a- (A)	Designation
6	B353 Positive connection 4 (87a) in main wiring harness			

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1.4.2 Fitting location of automatic glow period control unit -J179- , for models with engine code DEWA, DEWB

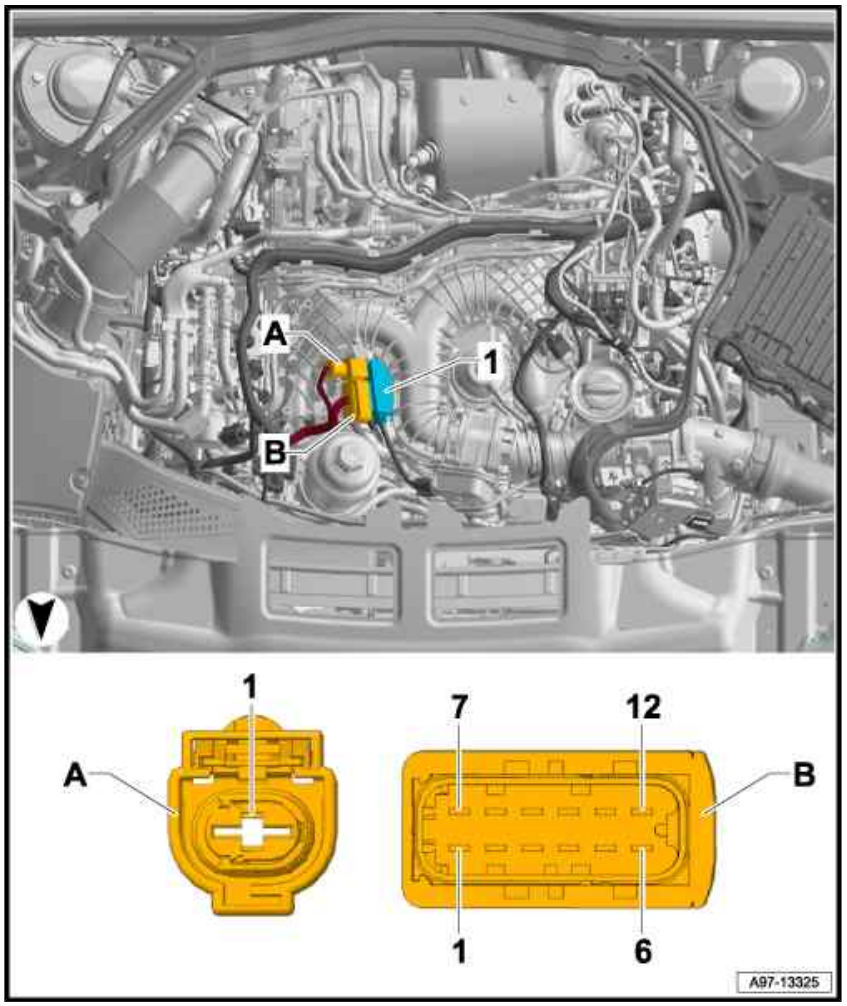
Fitting location

In centre of engine compartment, near oil filter.

1 - Automatic glow period control unit -J179-

A - Single connector -T1q- , black

B - 12-pin connector -T12i- , black



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Connector assignment of automatic glow period control unit -J179-

-T1q- (A)	Designation		-T12i- (B)	Designation
1	Terminal 30		1	Glow plug 5 -Q14-
			2	Glow plug 6 -Q15-
			3	
			4	
			5	Relay and fuse carrier 1 -SR1-
			6	
			7	Glow plug 1 -Q10-
			8	Glow plug 2 -Q11-
			9	Glow plug 3 -Q12-
			10	Glow plug 4 -Q13-
			11	Terminal 31
			12	Engine control unit -J623-

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1.5 Fitting location, radiator fan control unit

1.5.1 Fitting location, radiator fan control unit -J293- , 400 watt or 600 watt

Fitting location

On radiator.

1 - Radiator fan control unit -J293-

A - 4-pin connector -T4bi- , black

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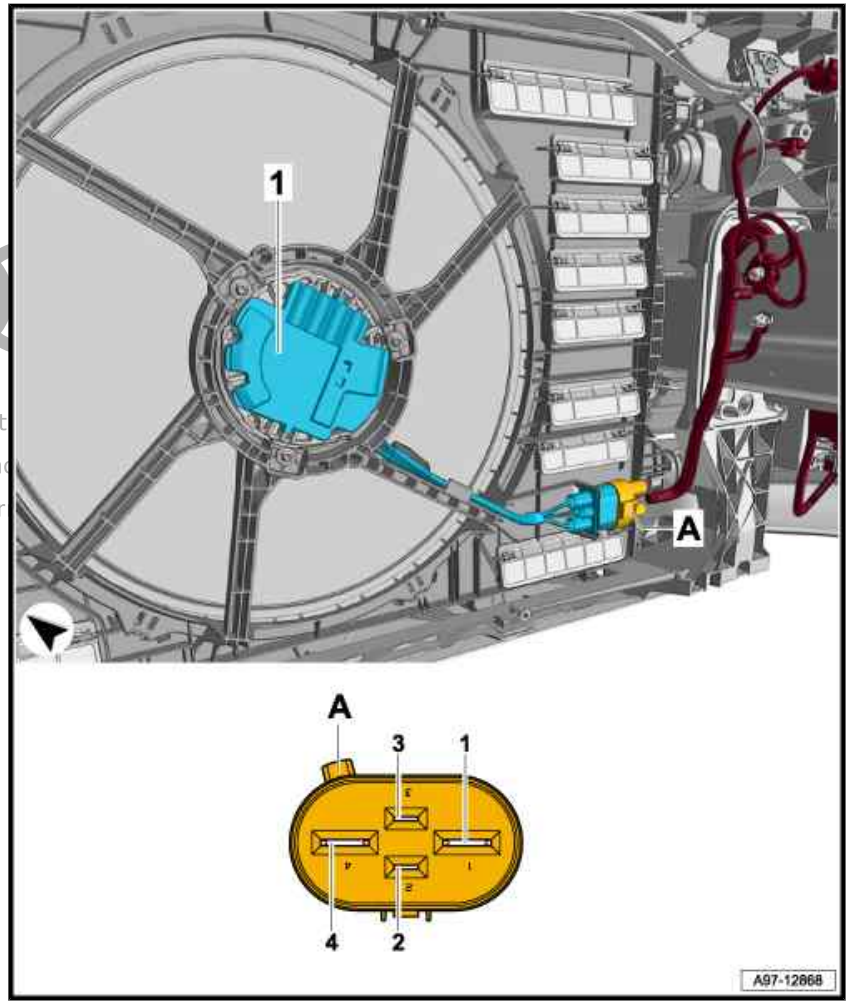


Connector assignment, radiator fan control unit -J293- , 400 watt or 600 watt

-T4bi- (A)	Designation
1	Terminal 30
2	Relay and fuse carrier 1 -SR1- , fuse carrier 1 -ST1-
3	Engine control unit -J623-
4	Terminal 31

Back to overview ⇒ page 1 .

1.5.2 Fitting location, radiator fan control unit -J293- / -J671- , 800 watt or 1200 watt

Fitting location

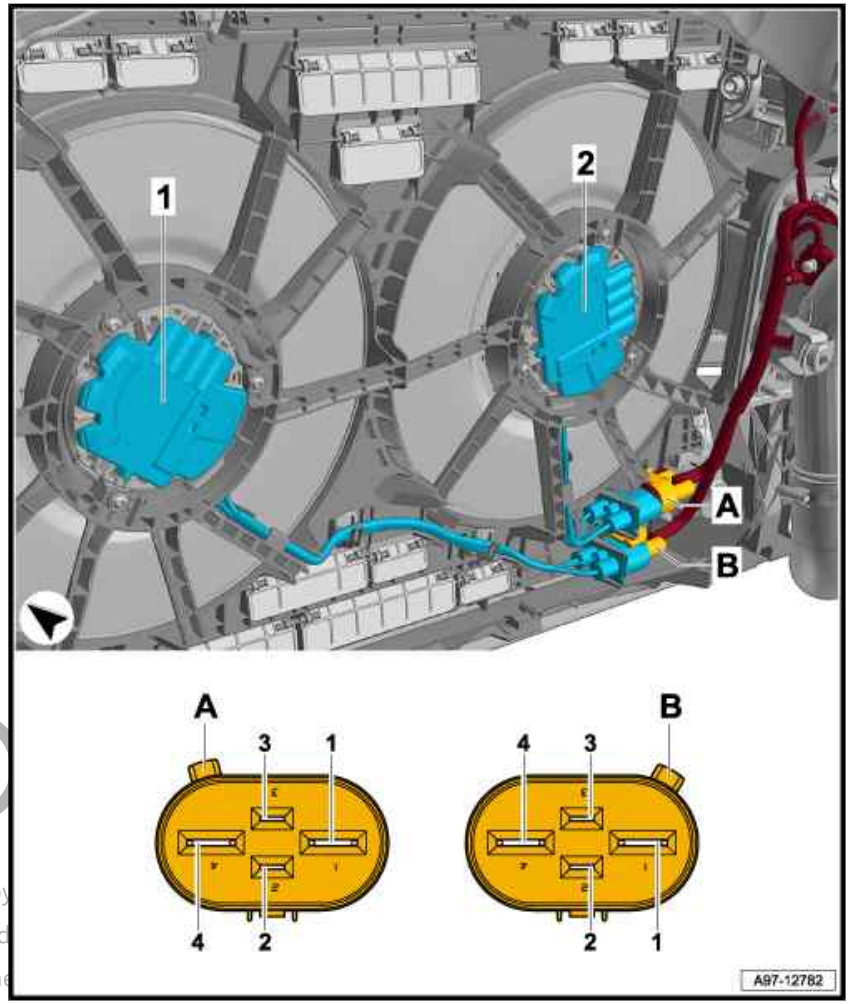
On radiator.

1 - Radiator fan control unit 2 -J671-

2 - Radiator fan control unit -J293-

A - 4-pin connector -T4bk- , black

B - 4-pin connector -T4bi- , black



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Connector assignment, radiator fan control unit -J293- / -J671- , 800 watt or 1200 watt

-T4bk- (A)	Designation	-T4bi- (B)	Designation
1	Terminal 30	1	Terminal 30
2	Relay and fuse carrier 1 -SR1- , fuse carrier 1 -ST1-	2	Relay and fuse carrier 1 -SR1- , fuse carrier 1 -ST1-
3	Engine control unit -J623-	3	Engine control unit -J623-
4	Terminal 31	4	Terminal 31

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1.6 Fitting location, auxiliary heater control unit -J364-

Fitting location

In front right wheel housing on side member.

1 - Auxiliary heater control unit -J364-

A - 6-pin connector -T6z- , black

B - 2-pin connector -T2da- , brown

C - 3-pin connector -T3au- , black

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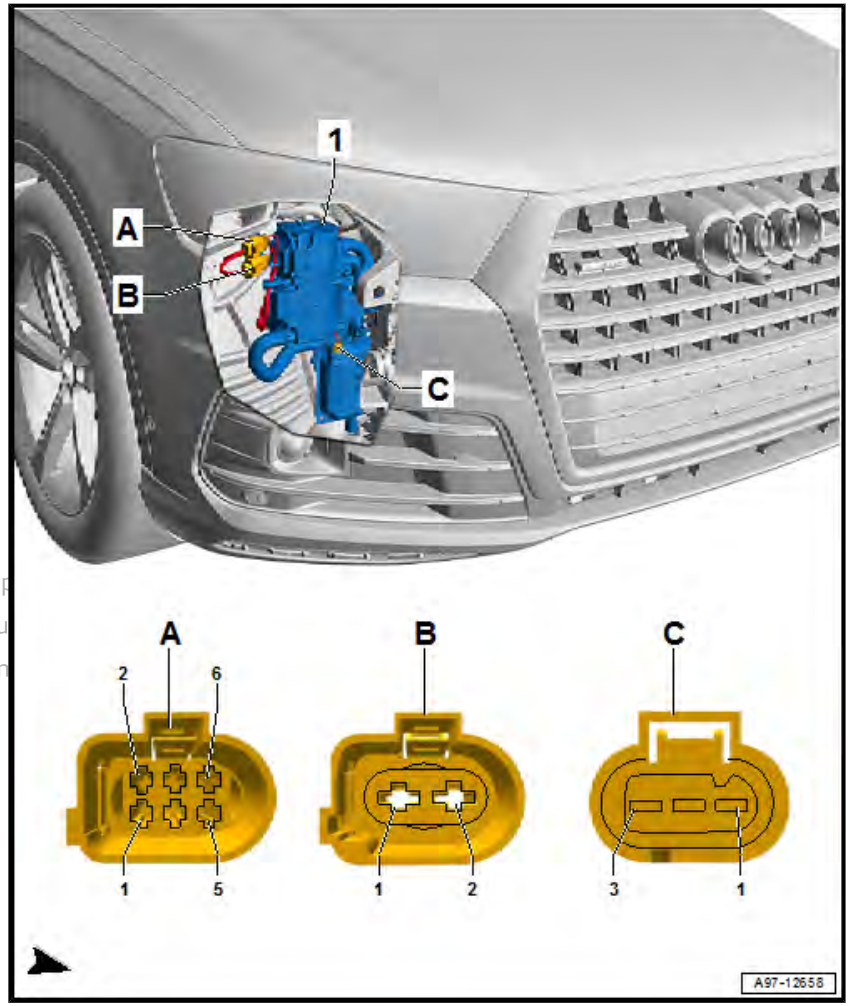

Connector assignment, auxiliary heater control unit -J364-

-T6z- (A)	Designation		-T2da- (B)	Designation
1	B670 Connection 3 (CAN bus extended, high), in main wiring harness		1	Terminal 30
2	B671 Connection 3 (CAN bus extended, low) in main wiring harness		2	Terminal 31
3	Heater coolant shut-off valve -N279-			
4	Metering pump -V54-			

-T6z- (A)	Designation		-T2da- (B)	Designation
5	Terminal 31			
6	Remote control receiver for auxiliary heater -R64-			

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1.7 Fitting location, control unit for wiper motor -J400-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed in plenum chamber. The connector assignment is also different, ⇒ page 18 .

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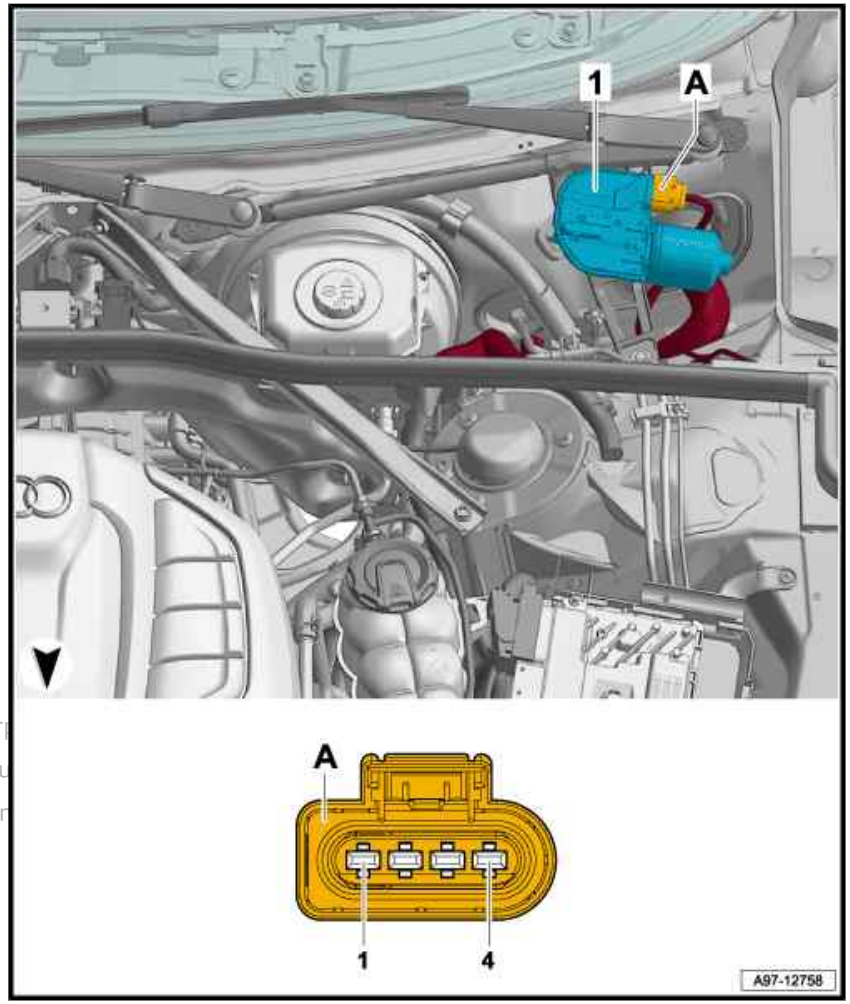
Fitting location

On left in plenum chamber.

1 - Wiper motor control unit -J400-

A - 4-pin connector -T4fr- , black



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Connector assignment, left-hand drive, wiper motor control unit -J400-

-T4fr- (A)	Designation
1	Data bus wire (LIN bus)
2	
3	Terminal 31
4	Terminal 30

Connector assignment, right-hand drive, wiper motor control unit -J400-

-T4fr- (A)	Designation
1	Terminal 30
2	Terminal 31
3	
4	Data bus wire (LIN bus)

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1.8 Fitting location, adaptive cruise control unit -J428-

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Fitting location

Behind front bumper on right.

1 - Adaptive cruise control unit -J428-

A - 8-pin connector -T8r- , black

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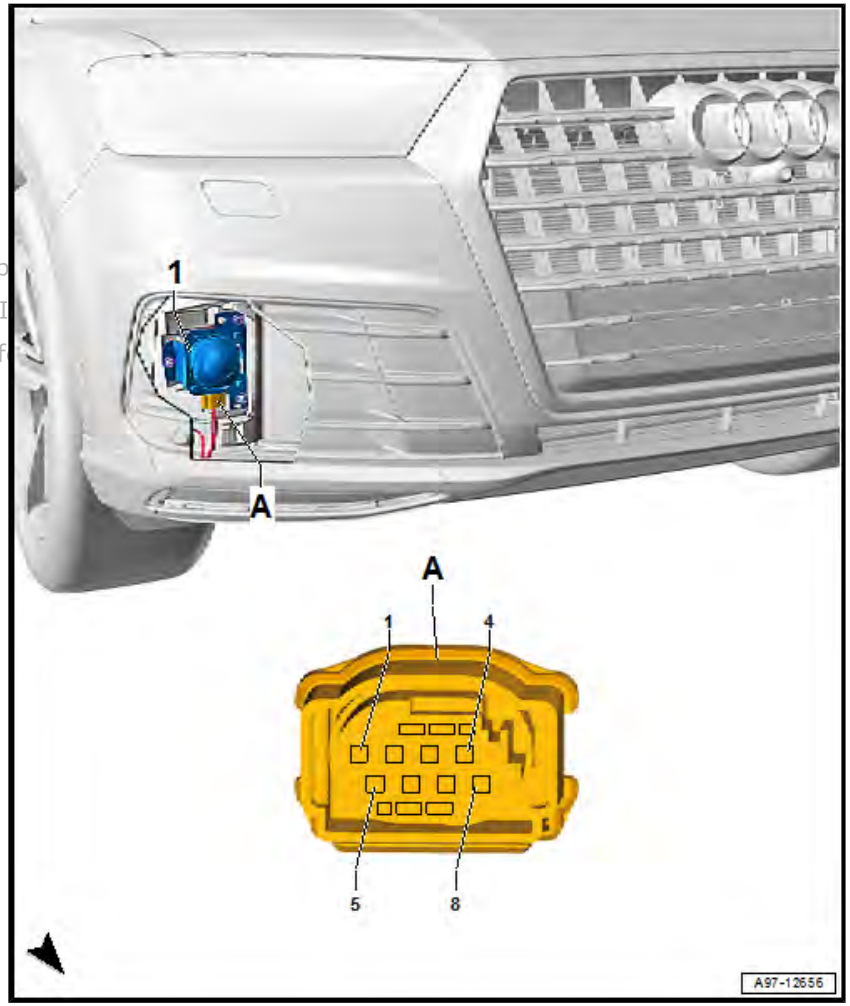

Connector assignment of adaptive cruise control unit -J428-

-T8r- (A)	Designation
1	Terminal 31
2	
3	
4	
5	Control unit 2 for adaptive cruise control -J850- / data bus line (FlexRay bus)

-T8r- (A)	Designation
6	Control unit 2 for adaptive cruise control -J850- / data bus line (FlexRay bus)
7	
8	Terminal 15

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1.9 Fitting location, power steering control unit -J500-

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Fitting location

On steering box.

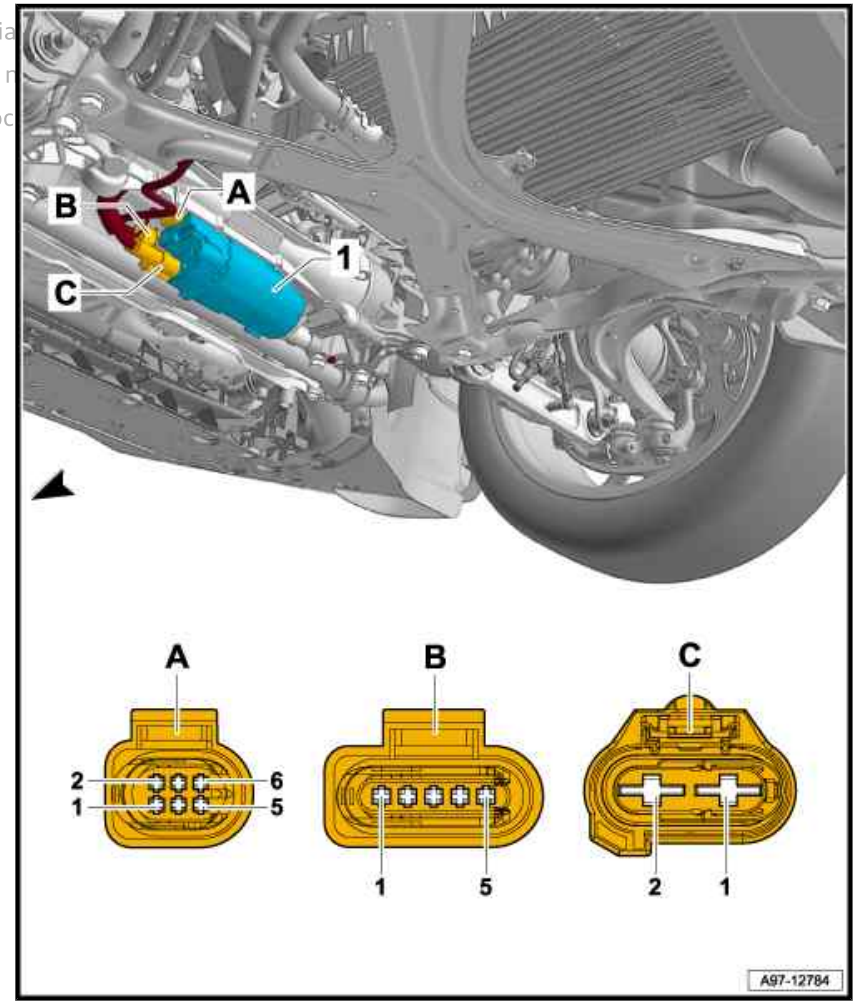
1 - Power steering control unit -J500-

A - 6-pin connector -T6f- , brown

B - 5-pin connector -T5bf- , black

- ❑ to steering moment sender -G269-

C - 2-pin connector -T2el- , black



Connector assignment, power steering control unit -J500-

-T6f- (A)	Designation		-T2el- (C)	Designation
1	Terminal 15		1	Terminal 30
2			2	Terminal 31
3	Data bus wire (FlexRay bus)			
4				
5	Data bus wire (FlexRay bus)			
6				

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1.10 Fitting location NOx sensor control unit -J583-

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Fitting location

Near front end.

1 - NOx sensor control unit -J583-

A - 5-pin connector -T5w- , black

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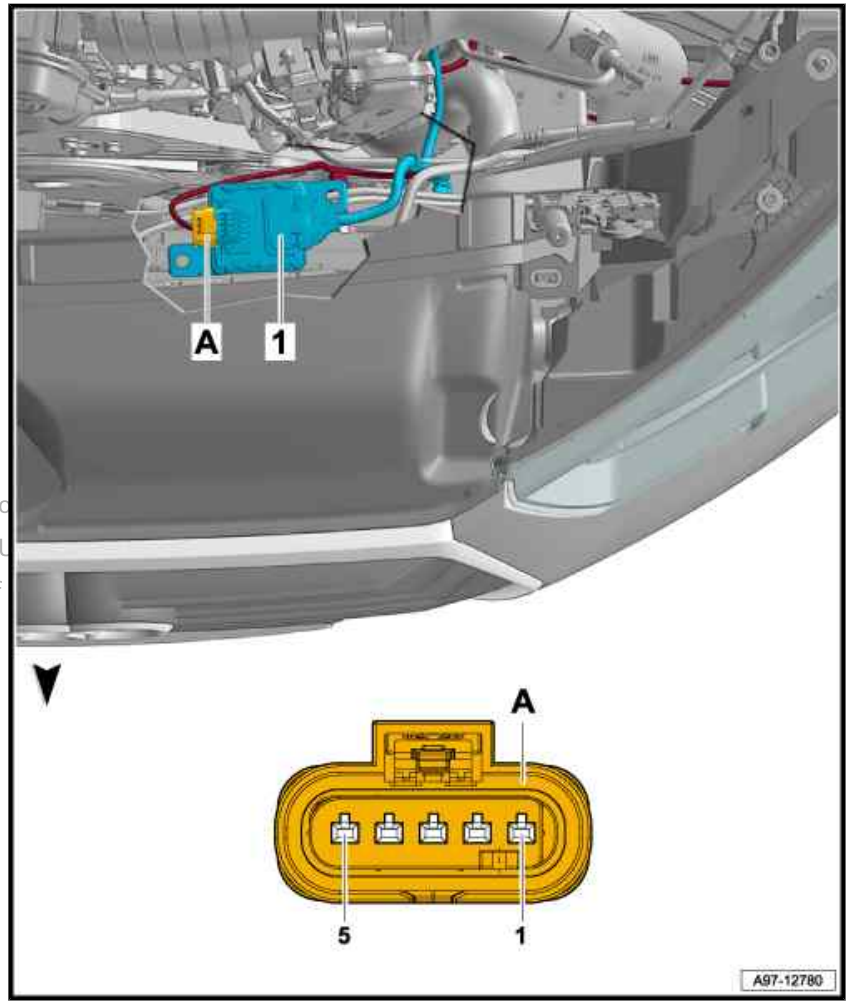

Connector assignment for NOx sensor control unit -J583-

-T5w- (A)	Designation
1	Terminal 87
2	Terminal 31
3	Powertrain CAN bus, low
4	Powertrain CAN bus, high

-T5w- (A)	Designation
5	

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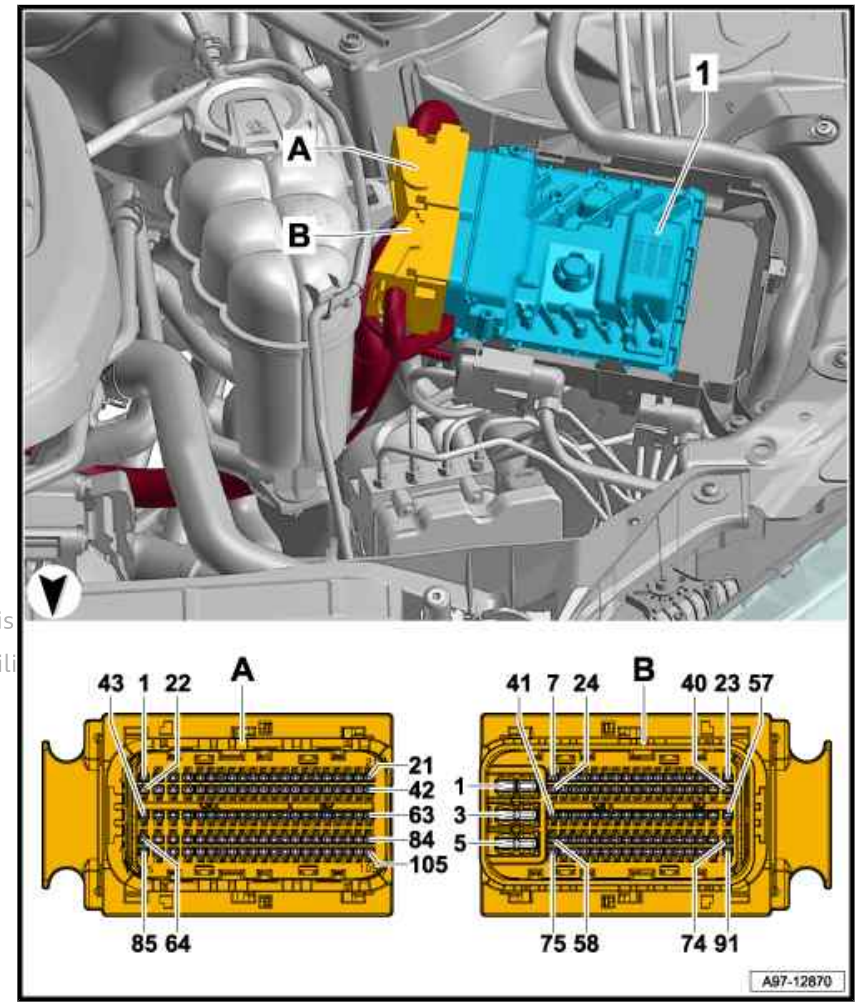
1.11 Fitting location, engine control unit -J623-

1.11.1 Fitting location, engine control unit -J623- , 196-pin

Fitting location

On left in engine compartment.



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1 - Engine control unit -J623-

A - 105-pin connector -T105- , black

B - 91-pin connector -T91- , black

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1.11.2 Fitting location, engine control unit -J623- , 315-pin

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Fitting location

On left in engine compartment.

1 - Engine control unit -J623-

A - 56-pin connector -T56d- , black

- ❑ Contact carrier colour: purple

B - 56-pin connector -T56c- , black

- ❑ Contact carrier colour: blue

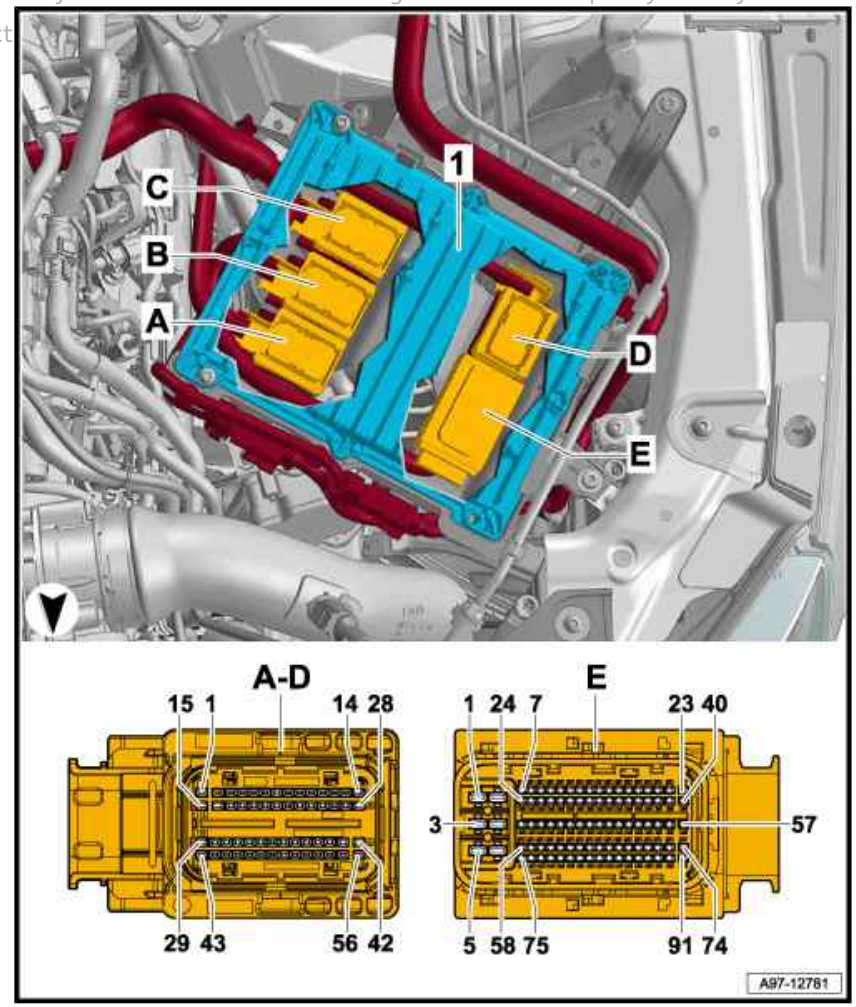
C - 56-pin connector -T56b- , black

- ❑ Contact carrier colour: white

D - 56-pin connector -T56a- , black

- ❑ Contact carrier colour: black

E - 91-pin connector -T91- , black



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1.11.3 Fitting location, engine control unit -J623- , 280-pin

Fitting location

On left in engine compartment.

1 - Engine control unit -J623-

A - 56-pin connector -T56a-

- ❑ Blanking plug as not assigned

B - 56-pin connector -T56b- , black

- ❑ Contact carrier colour: white

C - 56-pin connector -T56c- , black

- ❑ Contact carrier colour: blue

D - 56-pin connector -T56d- , black

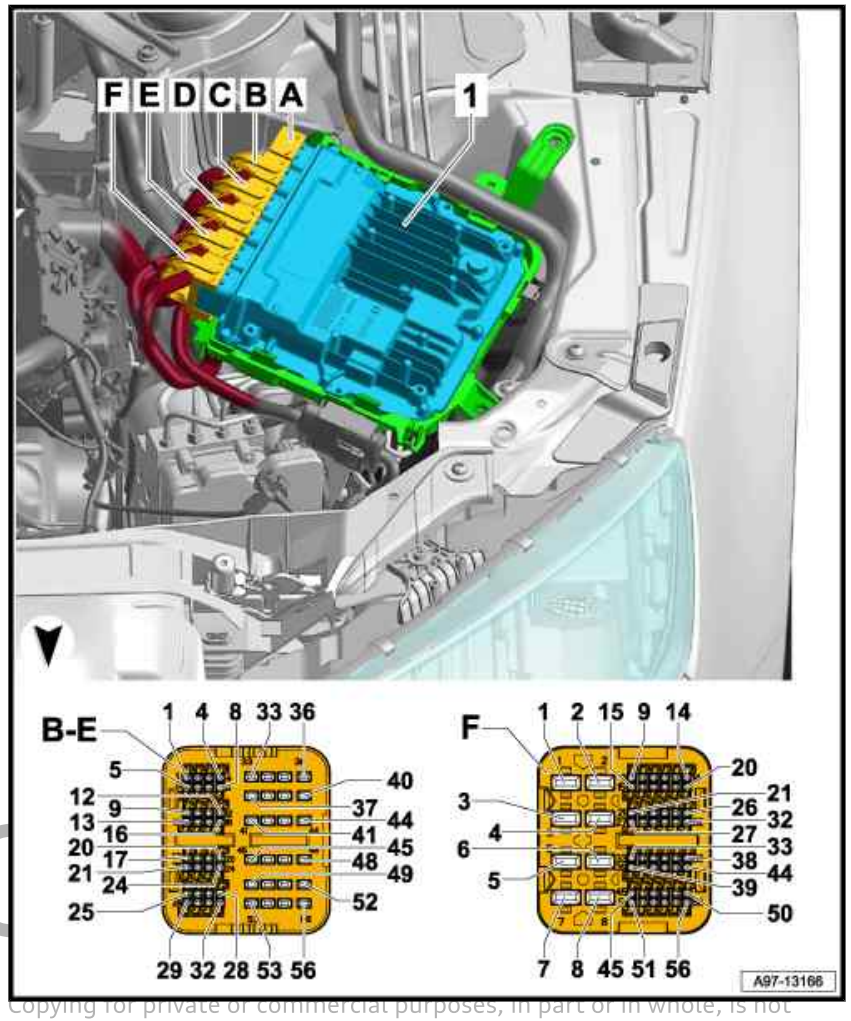
- ❑ Contact carrier colour: purple

E - 56-pin connector -T56e- , black

- ❑ Contact carrier colour: green

F - 56-pin connector -T56f- , black

- ❑ Contact carrier colour: black



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1.12 Fitting location, control unit 2 for adaptive cruise control -J850-

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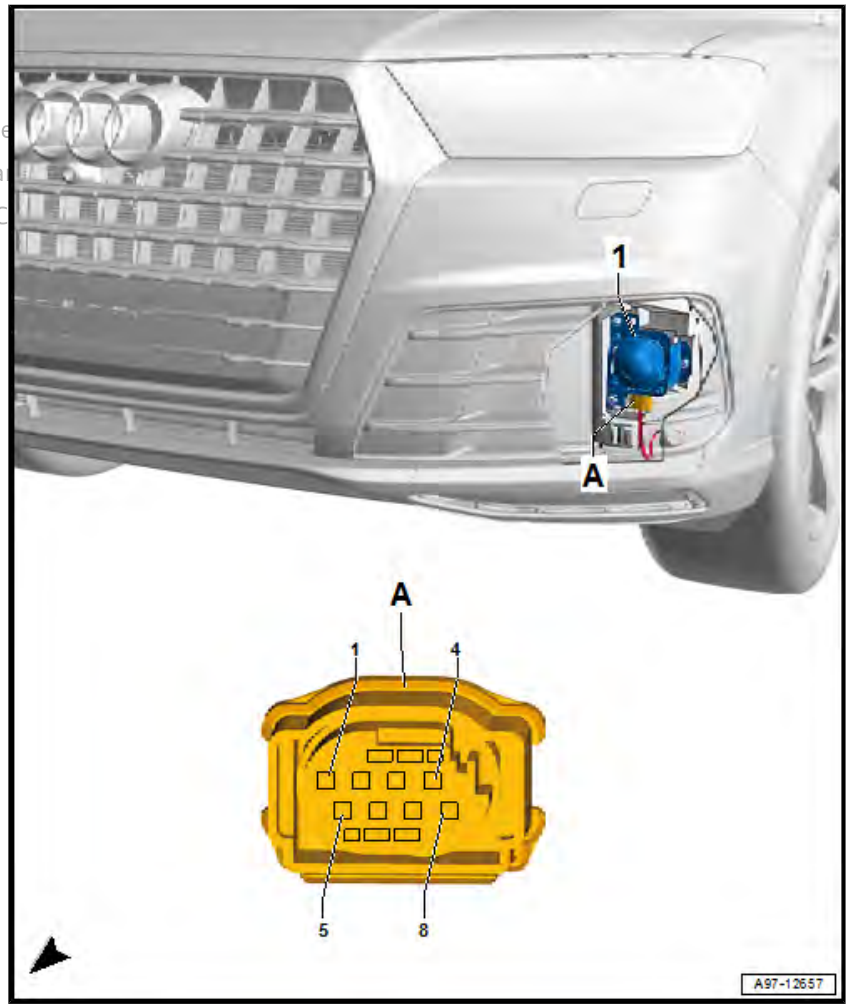
Fitting location

Behind front bumper on left.

1 - Control unit 2 for adaptive cruise control -J850-

A - 8-pin connector -T8s- , black



Connector assignment of control unit 2 for adaptive cruise control -J850-

-T8s- (A)	Designation
1	Terminal 31

-T8s- (A)	Designation
2	Control unit for adaptive cruise control -J428- / data bus line (FlexRay bus)
3	Control unit for adaptive cruise control -J428- / data bus line (FlexRay bus)
4	
5	Data bus diagnostic interface -J533- / data bus line (FlexRay bus)
6	Data bus diagnostic interface -J533- / data bus line (FlexRay bus)
7	
8	Terminal 15

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1.13 Fitting location, control unit for structure-borne sound -J869-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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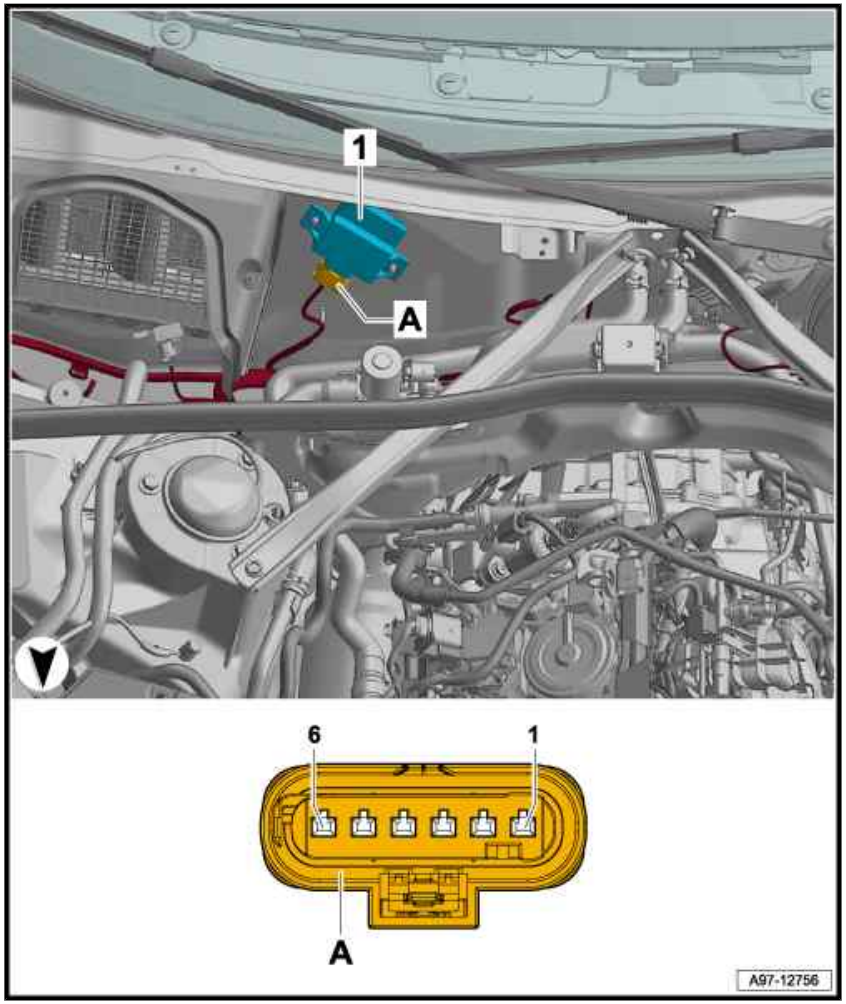
Fitting location

in plenum chamber.

1 - Control unit for structure-borne sound -J869-

A - 6-pin connector -T6i- , black



Connector assignment, control unit for structure-borne sound -J869-

-T6i- (A)	Designation
1	Actuator for structure-borne sound -R214-
2	Actuator for structure-borne sound -R214-
3	Terminal 15
4	Terminal 31
5	CAN bus

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-T6i- (A)	Designation
6	CAN bus

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1.14 Mechatronic unit for dual clutch gearbox -J743-

1.14.1 Mechatronic unit for dual clutch gearbox -J743- (7-speed dual clutch gearbox)

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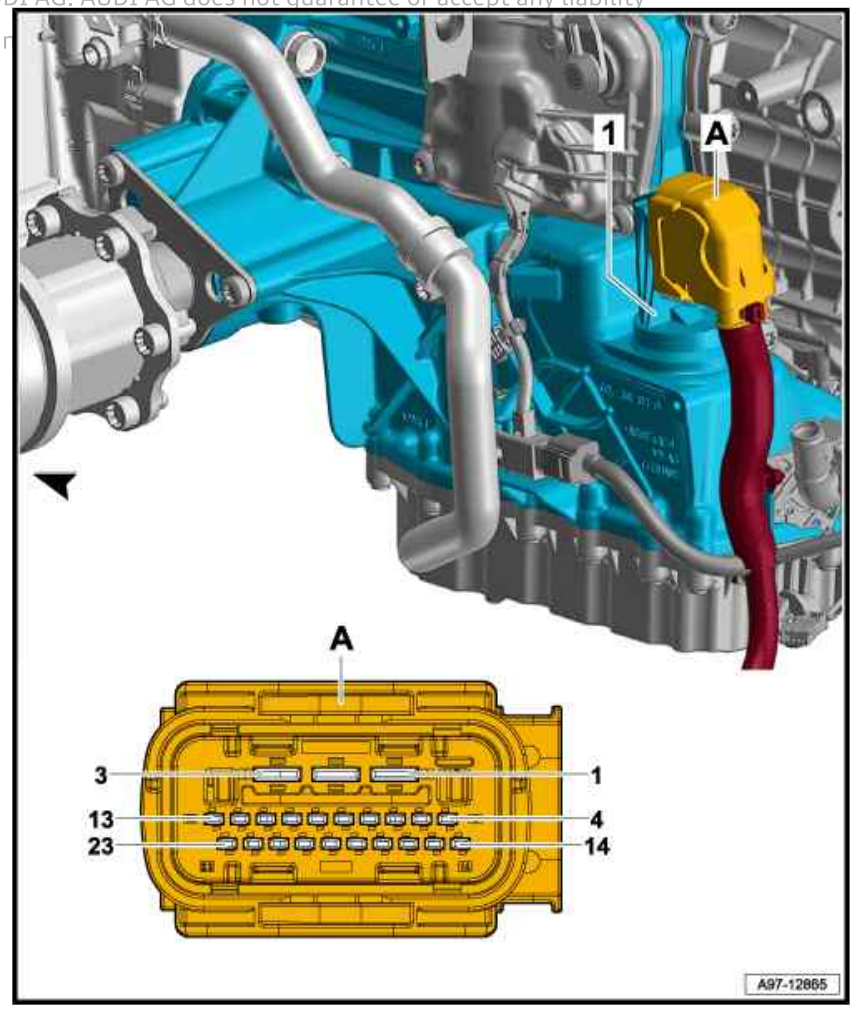
Fitting location

On gearbox.



1 - Mechatronic unit for dual clutch gearbox -J743-

A - 23-pin connector -T23- , black

Connector assignment, mechatronic unit for dual clutch gearbox -J743-

-T23- (A)	Designation		-T23- (A)	Designation
1	Terminal 30		13	
2	Terminal 31		14	Data bus diagnostic interface -J533- / data bus line (FlexRay bus)
3			15	Power steering control unit -J500- / data bus line (FlexRay bus)
4			16	Data bus diagnostic interface -J533- / data bus line (FlexRay bus)
5			17	Power steering control unit -J500- / data bus line (FlexRay bus)
6	Electric pump 2 for gearbox -V553-		18	
7	Engine control unit -J623-		19	
8			20	Terminal 15
9	Electric pump 2 for gearbox -V553-		21	
10			22	
11			23	
12				

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1.15 Automatic gearbox control unit -J217-

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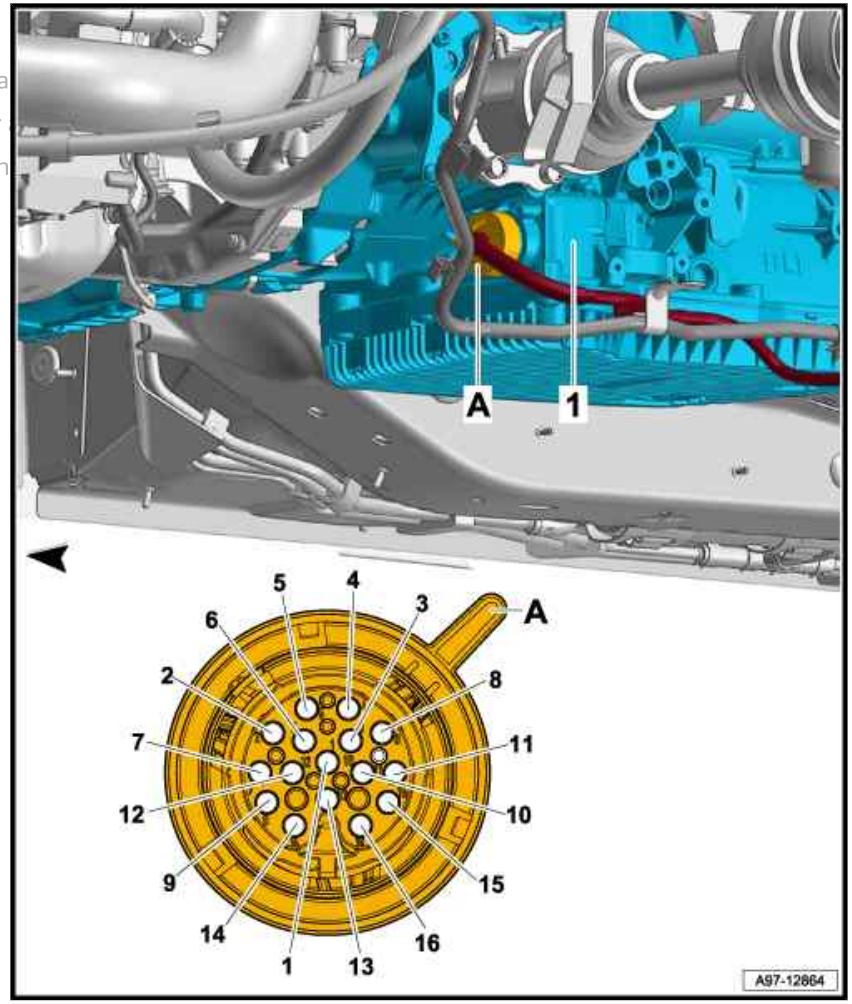
Fitting location

On gearbox.

1 - Automatic gearbox control unit -J217-

A - 16-pin connector -T16a- , black



Connector assignment of automatic gearbox control unit -J217-

-T16a- (A)	Designation		-T16a- (A)	Designation
1	Engine control unit -J623-		9	Terminal 15
2			10	
3	Data bus diagnostic interface -J533- / data bus line (FlexRay bus)		11	

-T16a- (A)	Designation		-T16a- (A)	Designation
4	Data bus diagnostic interface -J533- / data bus line (FlexRay bus)		12	
5	Power steering control unit -J500- / data bus line (FlexRay bus)		13	Terminal 30
6	Power steering control unit -J500- / data bus line (FlexRay bus)		14	Terminal 31
7			15	
8			16	

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1.16 All-wheel drive control unit -J492-

Fitting location

On gearbox.

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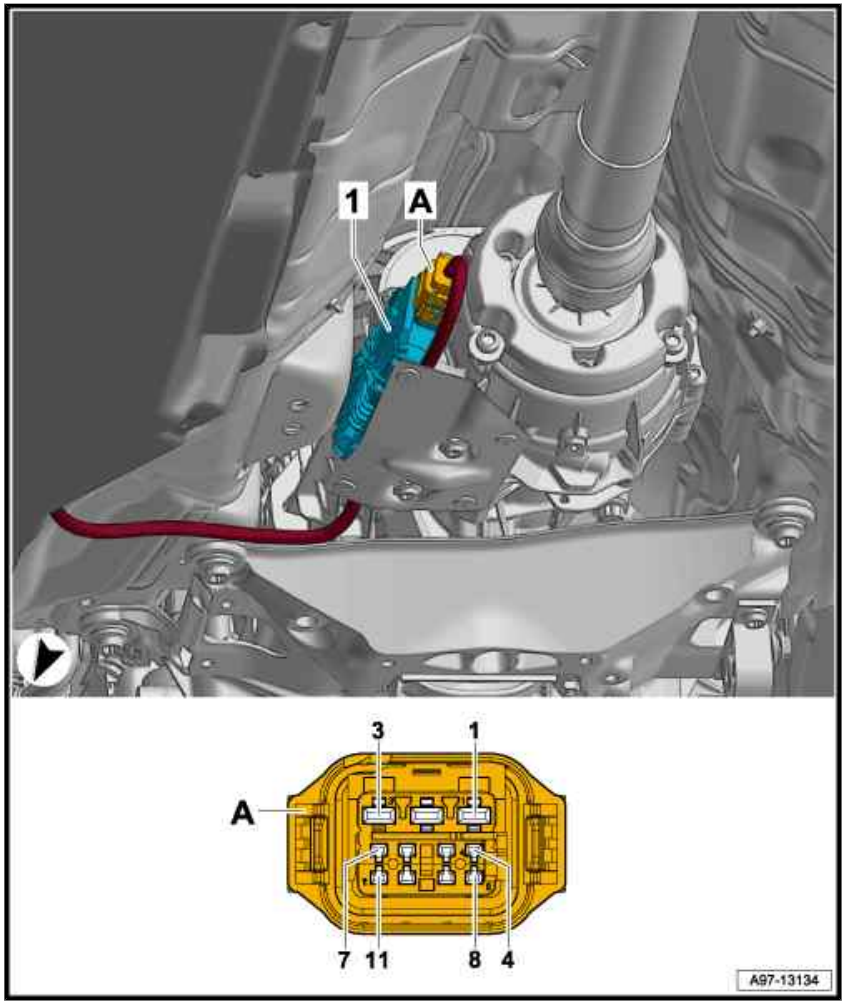
1 - All-wheel drive control unit -J492-

A - 11-pin connector -T11b- , black



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Connector assignment, all-wheel drive control unit -J492-

-T11b- (A)	Designation
1	Terminal 31
2	Clutch actuator 2 for all-wheel drive -V623- , near rear axle
3	Terminal 30
4	Propshaft speed sender -G970- , GND, near rear axle
5	Propshaft speed sender -G970- , VCC, near rear axle

-T11b- (A)	Designation
6	Data bus wire (FlexRay bus)
7	Data bus wire (FlexRay bus)
8	Terminal 15
9	Propshaft speed sender -G970- , signal, near rear axle
10	Data bus wire (FlexRay bus)
11	Data bus wire (FlexRay bus)

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1.17 Starter-alternator -C29- , for models with 12 volt hybrid system

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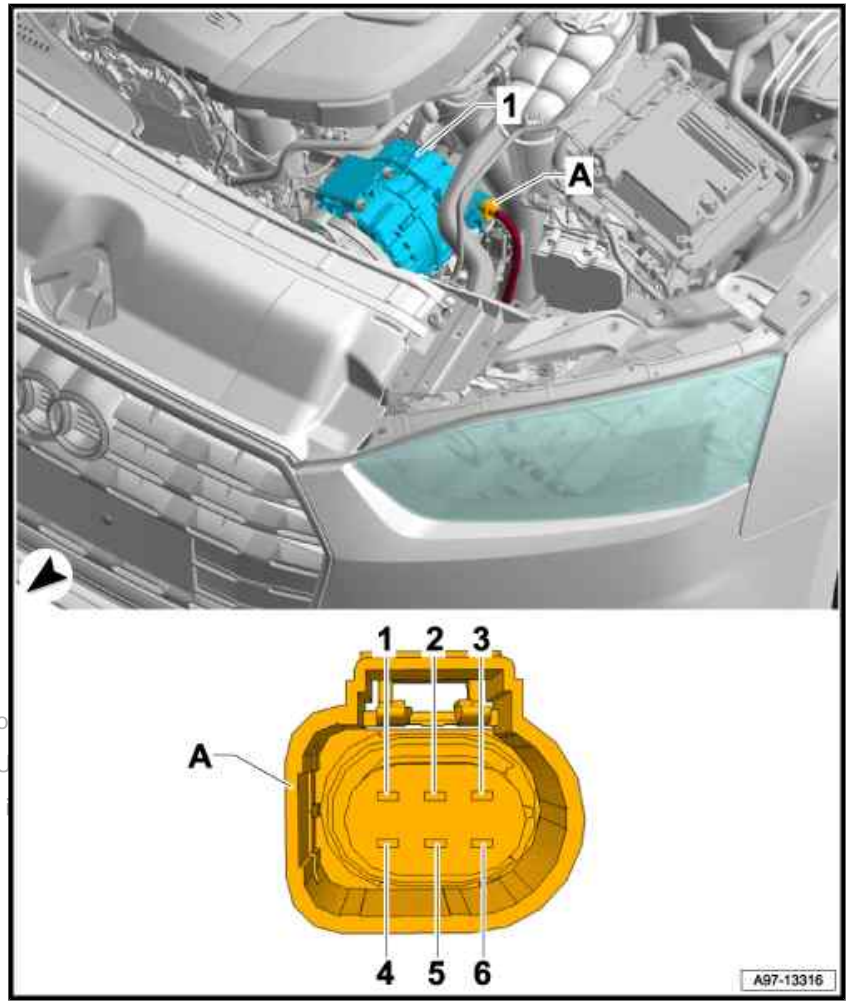
Fitting location

in engine compartment, front left.

1 - Starter-alternator -C29-

A - 6-pin connector -T6bv- , black



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Connector assignment, starter-alternator -C29-

-T6bv- (A)	Designation
1	Terminal 31
2	Engine control unit -J623-
3	
4	Engine control unit -J623-
5	Terminal 30

-T6bv- (A)	Designation
6	

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1.18 Starter-alternator -C29- , for models with 48 volt hybrid system

Fitting location

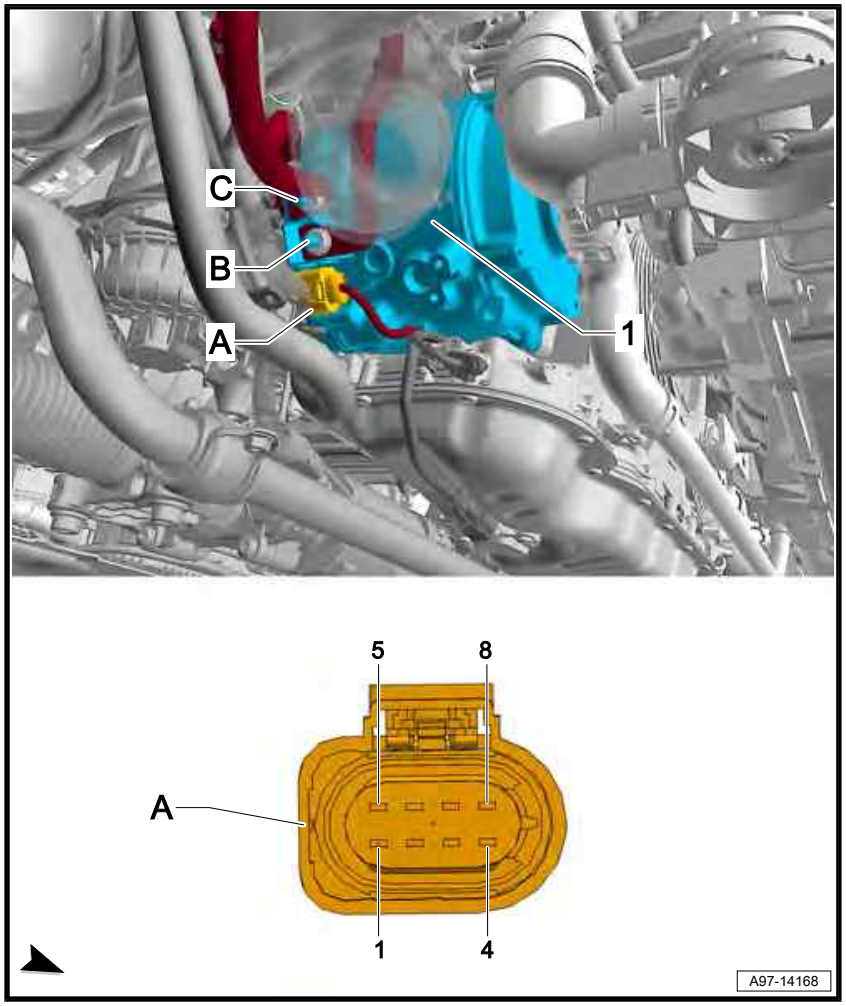
Front right in engine compartment.

1 - Starter-alternator -C29-

A - 8-pin connector -T8aj- , black

B - Terminal 40 connection to terminal 40 wiring junction -TV66-

C - Terminal 41 connection from (745) **earth point 3 on front of right side member**



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Connector assignment, starter-alternator -C29-

-T8aj- (A)	Designation
1	Terminal 30
2	
3	CAN-L
4	CAN-H
5	
6	Starter-alternator coolant pump -V621-
7	
8	Terminal 31

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1.19 Control unit for electric compressor -J1123-

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Fitting location

in engine compartment, front left.

1 - Control unit for electric compressor -J1123-

A - Single connector -T1gd- , black

B - Single connector -T1ge- , black

C - 4-pin connector -T4iv- , black

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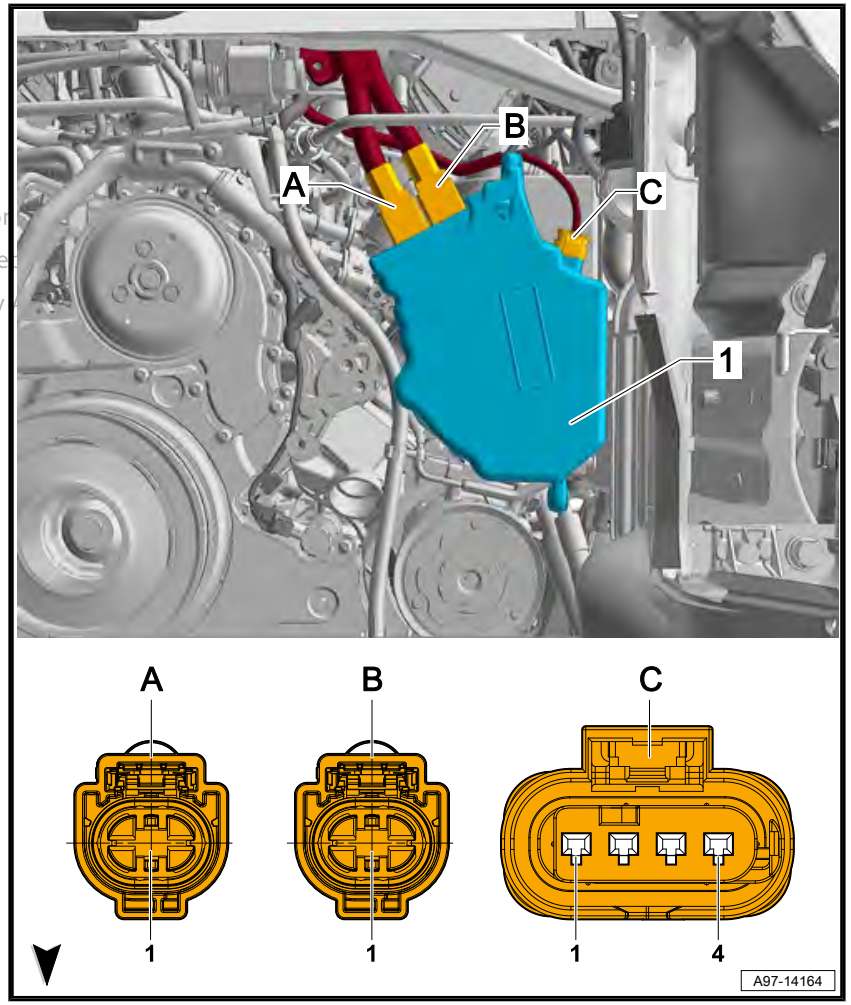

Fitting location of control unit for electric compressor -J1123-

-T1gd- (A)	Designation
1	Fuse 1 on wiring junction for terminal 40 -S366-

-T1ge- (B)	Designation
1	614 Earth point 2 on right in engine compartment

-T4iv- (C)	Designation
1	Terminal 30
2	CAN-L
3	CAN-H
4	Terminal 31

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1 Control units in middle part of vehicle

1.1 Overview of control units in middle part of vehicle

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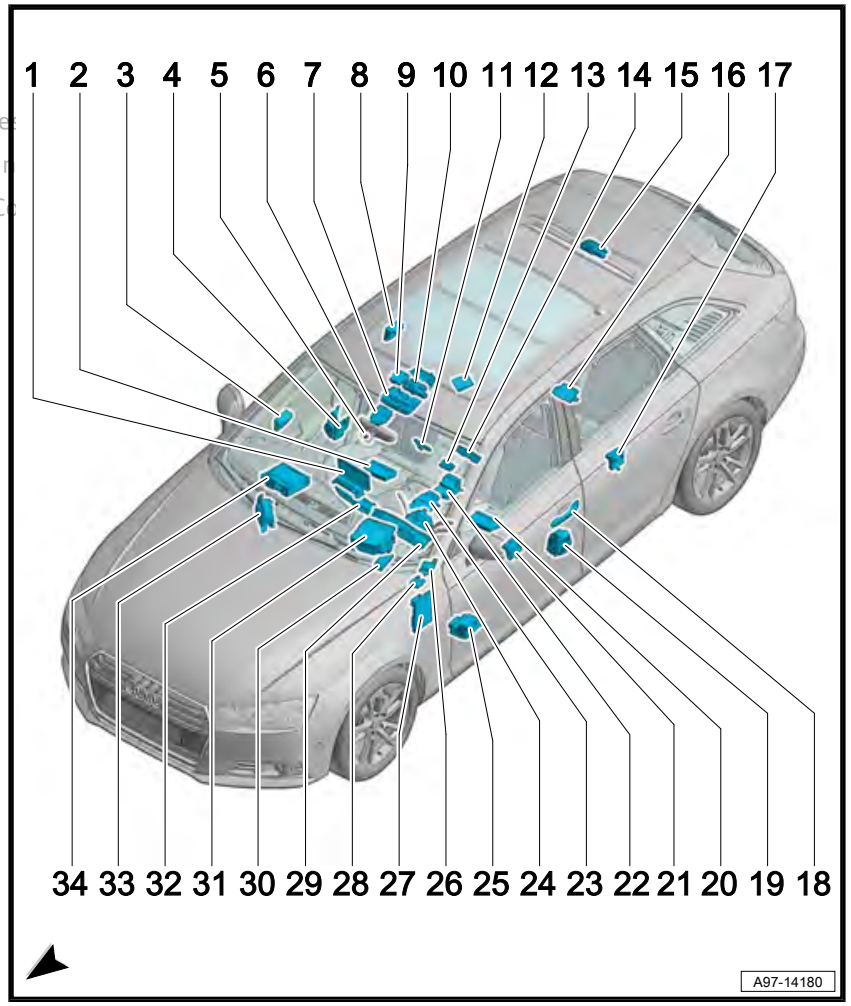

1 - Display unit for front information display and operating unit control unit -J685-

- ❑ Fitting location ⇒ page 89

2 - Ignore

3 - Front passenger door control unit -J387-

- ❑ Fitting location for left-hand drive models ⇒ page 28
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 29

4 - Control unit for front right belt tensioner -J855-

- ❑ Fitting location ⇒ page 70
- ❑ Connector assignment ⇒ page 71

5 - Main beam assist control unit -J844-

- ❑ Fitting location ⇒ page 69
- ❑ Connector assignment ⇒ page 69

6 - Front camera for driver assist systems -R242-

- ❑ Fitting location ⇒ page 80
- ❑ Connector assignment ⇒ page 81

7 - Roof electronics control unit -J528-

- ❑ Fitting location, Coupé and Sportback models ⇒ page 38
- ❑ Fitting location, Cabriolet models ⇒ page 40
- ❑ Connector assignment, Coupé and Sportback models ⇒ page 39
- ❑ Connector assignment, Cabriolet models ⇒ page 41

8 - Rear passenger side door control unit -J927-

- ❑ Fitting location for left-hand drive models ⇒ page 78
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 79

9 - Sliding sunroof adjustment control unit -J245-

- ❑ Fitting location ⇒ page 16
- ❑ Connector assignment ⇒ page 17

10 - Sliding sunroof motor -V1-

- Fitting location ⇒ page 16

11 - Control unit for fuel tank leak detection -J909-

- Fitting location ⇒ page 72
- Connector assignment ⇒ page 73

12 - Fuel pump control unit -J538-

- Fitting location ⇒ page 53
- Connector assignment ⇒ page 54

13 - Near field communication control unit 2 -J1170-

- Fitting location ⇒ page 55
- Connector assignment ⇒ page 56

13 - Charger 1 for mobile devices -J1146-

- Fitting location ⇒ page 56
- Connector assignment ⇒ page 57

14 - Rear Climatronic operating and display unit -E265-

- Fitting location ⇒ page 9
- Connector assignment ⇒ page 10

15 - Sunroof roller blind motor -V260-

- Fitting location ⇒ page 16

16 - Data bus diagnostic interface -J533-

- Fitting location without emergency call function (IW0), Coupé and Sportback models ⇒ page 46
- Fitting location with emergency call function (IW1, IW3) and Conncet Plus (IV0), Coupé and Sportback models ⇒ page 47
- Fitting location with emergency call function (IW1, IW3) and Conncet Plus (IV1, IV2, IV3, IV4, IV5, IV6, IV7, V8, IV9, JE0, JE1, JE2, JE3, JE4, JE5), Coupé and Sportback models ⇒ page 50
- Fitting location without emergency call function (IW0), Cabriolet models ⇒ page 42
- Fitting location with emergency call function (IW1, IW3) and Conncet Plus (IV0), Cabriolet models ⇒ page 44
- Fitting location with emergency call function (IW1, IW3) and Conncet Plus (IV1, IV2, IV3, IV4, IV5, IV6, IV7, V8, IV9, JE0, JE1, JE2, JE3, JE4, JE5), Cabriolet models ⇒ page 45
- Connector assignment without emergency call function (IW0) ⇒ page 47
- Connector assignment with emergency call function (IW1, IW3) and Conncet Plus (IV0) ⇒ page 48
- Connector assignment with emergency call function (IW1, IW3) and Conncet Plus (IV1, V2, IV3, IV4, IV5, IV6, IV7, IV8, IV9, JE0, JE1, JE2, JE3, JE4, JE5) ⇒ page 51

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17 - Rear driver side door control unit -J926-

- ❑ Fitting location for left-hand drive models ⇒ page 73
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 74

18 - Near field communication control unit -J1169-

- ❑ Fitting location ⇒ page 76
- ❑ Connector assignment ⇒ page 77

19 - Control unit for front left belt tensioner -J854-

- ❑ Fitting location ⇒ page 70
- ❑ Connector assignment ⇒ page 71

20 - Seat and steering column adjustment control unit with memory -J136-

- ❑ Fitting location for left-hand drive models ⇒ page 11
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 12

20 - Control unit for seat belt microphone -J886-

- ❑ Fitting location ⇒ page 92
- ❑ Connector assignment ⇒ page 93

21 - Driver door control unit -J386-

- ❑ Fitting location for left-hand drive models ⇒ page 24
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 25

22 - Airbag control unit -J234-

- ❑ Fitting location ⇒ page 14

23 - Running gear control unit -J775-

- ❑ Fitting location ⇒ page 60
- ❑ Connector assignment ⇒ page 60

24 - Steering column electronics control unit -J527-

- ❑ Fitting location for left-hand drive models ⇒ page 36
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 37

25 - Active steering control unit -J792-

- ❑ Fitting location for left-hand drive models ⇒ page 90
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 91

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26 - Particulate sensor -G784-

- ❑ Fitting location ⇒ page 85
- ❑ Connector assignment ⇒ page 86

27 - Onboard supply control unit -J519-

- ❑ Fitting location ⇒ page 32
- ❑ Connector assignment ⇒ page 33

28 - Control unit for NOx sender 2 -J881-

- ❑ Fitting location ⇒ page 84
- ❑ Connector assignment ⇒ page 84

29 - Control unit in dash panel insert -J285-

- ❑ Fitting location for left-hand drive models without virtual cockpit, (9S5), (9S7) ⇒ page 18
- ❑ Fitting location for left-hand drive models with virtual cockpit, (9S8), to September 2019 ⇒ page 20
- ❑ Fitting location for left-hand drive models with virtual cockpit, (9S8), (9S9) from October 2019 ⇒ page 22
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment, without virtual cockpit, (9S5), (9S7) ⇒ page 21
- ❑ Connector assignment, with virtual cockpit, (9S8), to September 2019 ⇒ page 21
- ❑ Connector assignment, with virtual cockpit, (9S8), (9S9) from October 2019 ⇒ page 23

30 - Control unit for electronic steering column lock -J764-

- ❑ Fitting location for left-hand drive models ⇒ page 58
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 59

31 - Control unit for heads-up display -J898-

- ❑ Fitting location for left-hand drive models ⇒ page 87
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 88

32 - Operating and display unit for Climatronic air conditioning system -E87-

- ❑ Fitting location ⇒ page 6
- ❑ Connector assignment (9AK), ⇒ page 6
- ❑ Connector assignment (9AQ), ⇒ page 7

33 - Fresh air blower control unit -J126-

- ❑ Fitting location for left-hand drive models ⇒ page 82
- ❑ Fitting location for right-hand drive models laterally reversed
- ❑ Connector assignment ⇒ page 83

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34 - Control unit 1 for information electronics -J794-

- ❑ Fitting location for left-hand drive models, MMI radio (I8E), (I8S), to September 2019 ⇒ page 62
- ❑ Fitting location for left-hand drive models, MMI Navigation plus (I8H), to September 2019 ⇒ page 64
- ❑ Fitting location for left-hand drive models, MMI (information electronics 1), from October 2019 ⇒ page 66
- ❑ Fitting location for right-hand drive models laterally reversed

34 - Chip card reader control unit -J676-

- ❑ Fitting location for left-hand drive models ⇒ page 94
- ❑ Fitting location for right-hand drive models laterally reversed

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1.2 Fitting location Operating and display unit for Climatronic air conditioning system -E87-

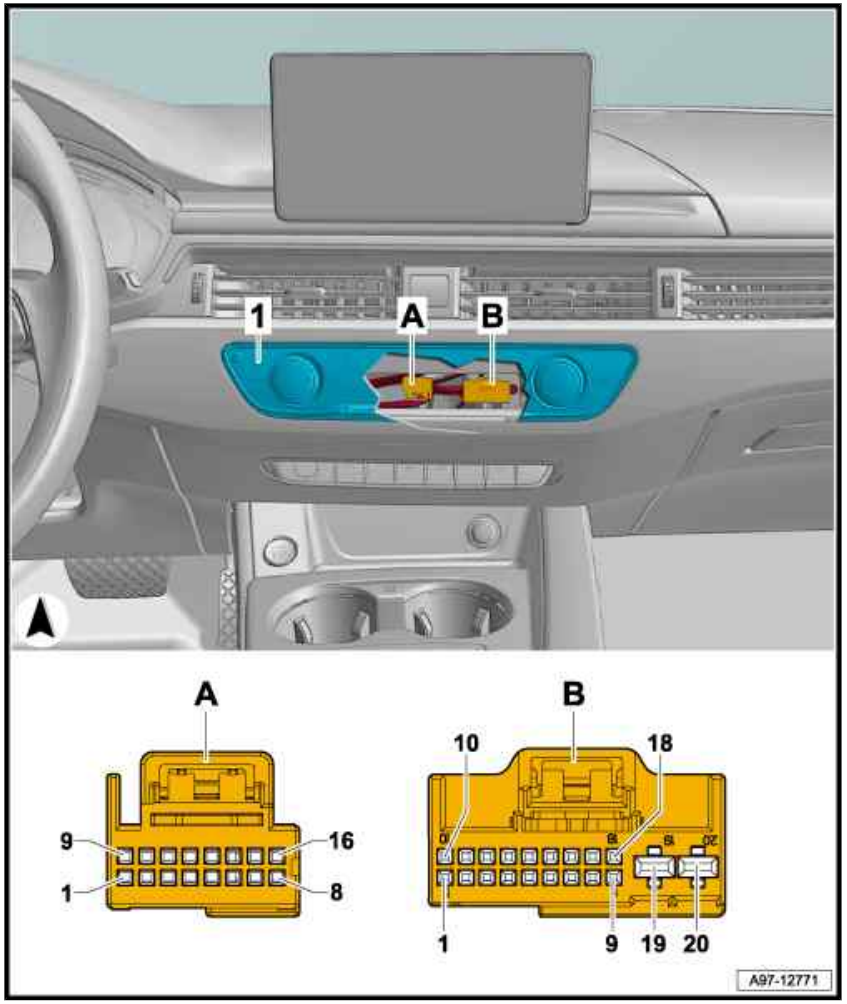
Fitting location

In centre of dash panel.

1 - Operating and display unit for Climatronic air conditioning system -E87-

A - 16-pin connector -T16k- , black

B - 20-pin connector -T20d- , black



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Connector assignment of operating and display unit for Climatronic air conditioning system -E87- (9AK)

-T20d- (B)	Designation		-T16k- (A)	Designation
1			1	LIN bus, Temperature flap control motor -V68-

-T20d- (B)	Designation		-T16k- (A)	Designation
2	Data bus diagnostic interface -J533-		2	Temperature flap control motor -V68- Defroster flap control motor -V107- Air recirculation flap control motor -V113- Air distribution flap control motor -V428- Fresh air flap control motor -V438-
3	Data bus diagnostic interface -J533-		3	Temperature flap control motor -V68- Defroster flap control motor -V107- Air recirculation flap control motor -V113- Air distribution flap control motor -V428- Fresh air flap control motor -V438-
4	LIN bus		4	Evaporator output temperature sender -G263-
5			5	Left footwell vent temperature sender -G261-
6	Sunlight penetration photosensor -G107-		6	Right footwell vent temperature sender -G262-
7	Sunlight penetration photosensor -G107-		7	
8	Sunlight penetration photosensor -G107-		8	
9	Sunlight penetration photosensor -G107-		9	Left footwell vent temperature sender -G261- Right footwell vent temperature sender -G262- Evaporator output temperature sender -G263-
10			10	
11			11	
12			12	
13			13	
14			14	
15			15	
16	High-pressure sender -G65- Humidity sender in fresh air intake duct -G657-		16	
17				
18				
19	Terminal 31			
20	Terminal 30			

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Connector assignment of operating and display unit for Climatronic air conditioning system -E87- (9AQ)

-T20d- (B)	Designation		-T16k- (A)	Designation
1			1	LIN bus, Rear temperature flap control motor -V137-

-T20d- (B)	Designation		-T16k- (A)	Designation
2	Data bus diagnostic interface -J533-		2	Defroster flap control motor -V107- Air recirculation flap control motor -V113- Rear temperature flap control motor -V137- Left temperature flap control motor -V158- Right temperature flap control motor -V159- Left side vent control motor -V299- Right side vent control motor -V300- Rear air distribution flap control motor -V427- Fresh air flap control motor -V438-
3	Data bus diagnostic interface -J533-		3	Defroster flap control motor -V107- Air recirculation flap control motor -V113- Rear temperature flap control motor -V137- Left temperature flap control motor -V158- Right temperature flap control motor -V159- Left side vent control motor -V299- Right side vent control motor -V300- Rear air distribution flap control motor -V427- Fresh air flap control motor -V438-
4	LIN bus		4	Evaporator output temperature sender -G263-
5			5	Left footwell vent temperature sender -G261-
6	Sunlight penetration photosensor -G107-		6	Right footwell vent temperature sender -G262-
7	Sunlight penetration photosensor -G107- Front left chest vent temperature sensor -G385- Front right chest vent temperature sensor -G386-		7	
8	Sunlight penetration photosensor -G107-		8	
9	Sunlight penetration photosensor -G107-		9	Left footwell vent temperature sender -G261- Right footwell vent temperature sender -G262- Evaporator output temperature sender -G263-
10			10	
11	Front left chest vent temperature sensor -G385-		11	
12	Front right chest vent temperature sensor -G386-		12	
13			13	
14			14	
15			15	
16	High-pressure sender -G65- Humidity sender in fresh air intake duct -G657-		16	
17	Dash panel vent control motor -V562-			
18				
19	Terminal 31			

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-T20d- (B)	Designation		-T16k- (A)	Designation
20	Terminal 30			

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1.3 Fitting location Rear Climatronic operating and display unit -E265-

1.3.1 Fitting location Rear Climatronic operating and display unit -E265-

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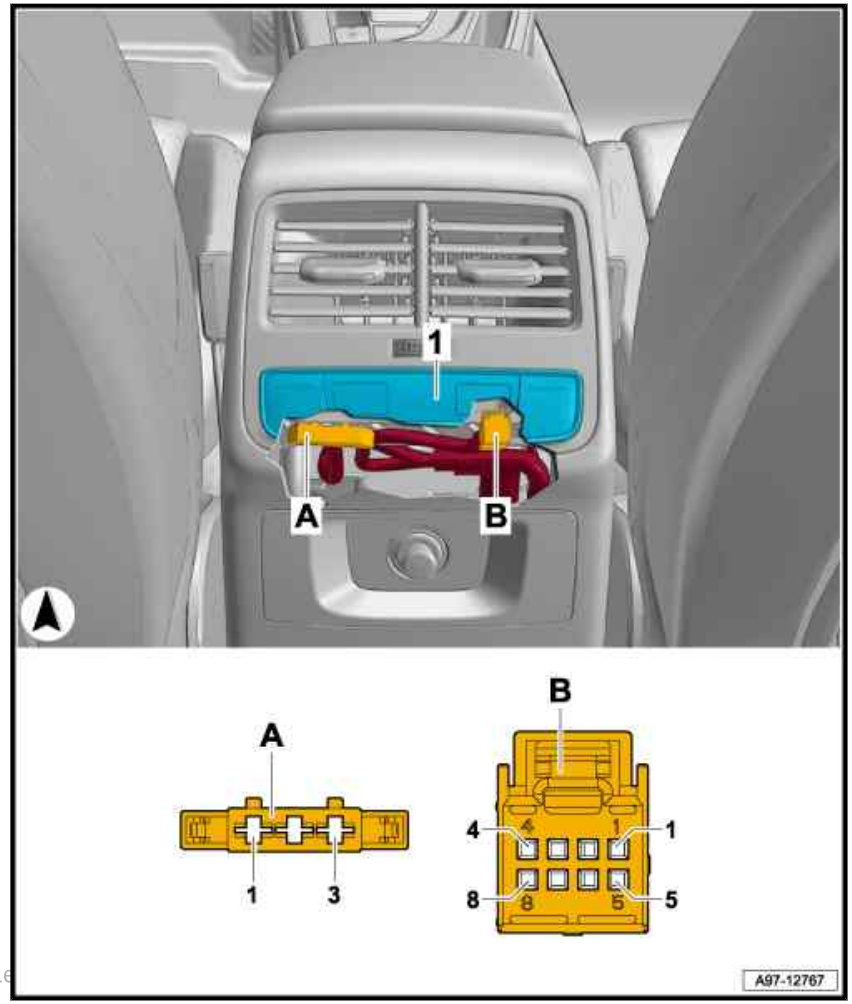
Fitting location

In rear of centre console.

1 - Rear Climatronic operating and display unit -E265-

A - 3-pin connector -T3z- , black

B - 8-pin connector -T8n- , black



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Connector assignment Rear Climatronic operating and display unit -E265-

-T3z- (A)	Designation		-T8n- (B)	Designation
1	Heated bench seat cushion for rear left seat -Z10- heated backrest for rear left seat -Z11-		1	LIN bus
2	Terminal 30		2	Terminal 15
3	Heated bench seat cushion for rear right seat -Z12- Heated backrest for rear right seat -Z13-		3	Terminal 31

-T3z- (A)	Designation		-T8n- (B)	Designation
			4	Rear chest vent temperature sensor -G537- Vent temperature sender for rear left footwell -G637-
			5	Rear chest vent temperature sensor -G537-
			6	Vent temperature sender for rear left footwell -G637-
			7	Rear left seat temperature sensor -G94-
			8	Rear right seat temperature sensor -G95-

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1.4 Fitting location, seat and steering column adjustment control unit with memory -J136-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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Fitting location

At bottom of seat.

1 - Seat and steering column adjustment control unit with memory -J136-

A - 20-pin connector -T20a- , black

- ❑ 20-pin connector -T20a- on seat and steering column adjustment control unit with memory -J136-

B - not assigned

C - 4-pin connector -T4aa- , black

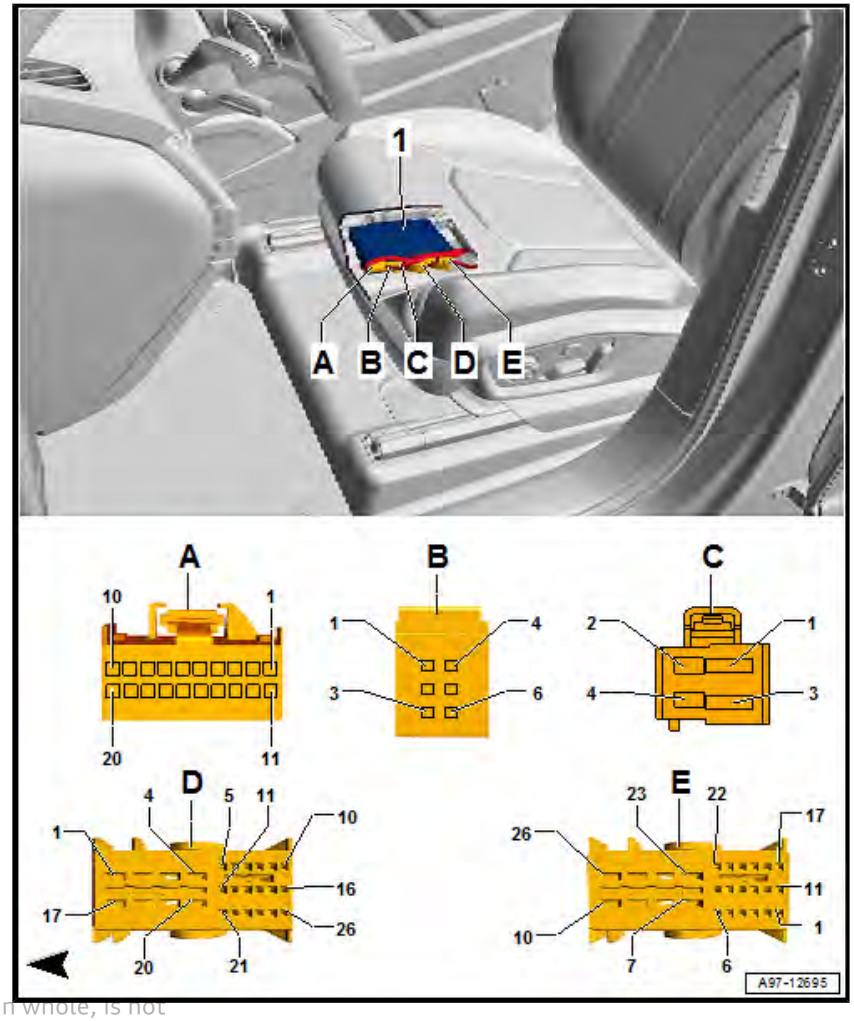
- ❑ 4-pin connector -T4aa- on seat and steering column adjustment control unit with memory -J136-

D - 26-pin connector -T26b- , blue

- ❑ 26-pin connector -T26b- on seat and steering column adjustment control unit with memory -J136-

E - 26-pin connector -T26- , white

- ❑ 26-pin connector -T26- on seat and steering column adjustment control unit with memory -J136-



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Connector assignment, seat and steering column adjustment control unit with memory -J136-

-T20a- (A)	Designation		-T20a- (A)	Designation
1	Convenience CAN bus, high		11	Convenience CAN bus, low
2			12	
3	Coding wire		13	
4			14	Driver seat adjustment operating unit -E470-
5			15	Driver seat adjustment operating unit -E470-

-T20a- (A)	Designation		-T20a- (A)	Designation
6			16	Driver seat adjustment operating unit -E470-
7			17	Driver seat adjustment operating unit -E470-
8	Driver seat adjustment operating unit -E470-		18	
9			19	Driver seat adjustment operating unit -E470-
10			20	Coding wire

-T4aa- (C)	Designation	-T26b- (D)	Designation	-T26- (E)	Designation
1	Terminal 30	1	Driver seat backrest adjustment motor -V45-	1	
2		2		2	
3	Terminal 31	3		3	Driver seat longitudinal adjustment motor -V28-
4		4		4	
		5		5	Driver seat longitudinal adjustment motor -V28-
		6		6	Driver seat rake adjustment motor -V243-
		7		7	
		8		8	Driver seat longitudinal adjustment motor -V28-
		9		9	
		10		10	Driver seat height adjustment motor -V245-
		11		11	
		12		12	
		13		13	
		14		14	
		15		15	
		16		16	
		17		17	
		18		18	
		19	Driver seat backrest adjustment motor -V45-	19	
		20		20	
		21		21	

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-T4aa- (C)	Designation		-T26b- (D)	Designation		-T26- (E)	Designation
			22			22	
			23			23	Driver seat rake adjustment motor -V243-
			24			24	Driver seat longitudinal adjustment motor -V28-
			25			25	Driver seat height adjustment motor -V245-
			26			26	

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1.5 Fitting location, airbag control unit -J234-

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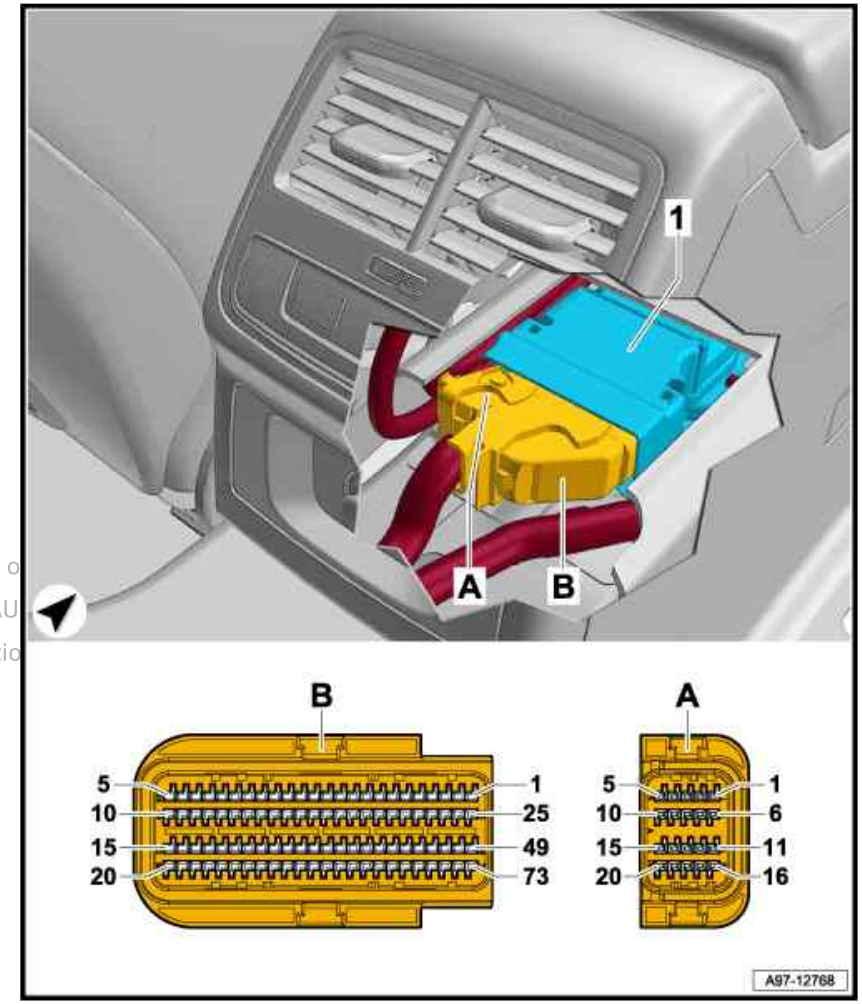
Fitting location

under centre console.

1 - Airbag control unit -J234-

A - 20-pin connector -T20- , yellow

B - 96-pin connector -T96- , yellow



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1.6 Fitting location, sliding sunroof adjustment control unit -J245- / sliding sunroof motor -V1- / sunroof roller blind motor -V260-

Fitting location

On front and rear of sliding sunroof frame.

1 - Sliding sunroof motor -V1-

2 - Sliding sunroof adjustment control unit -J245-

3 - Sunroof roller blind motor -V260-

A - 6-pin connector -T6al-

B - 16-pin connector -T16g- , black

C - 4-pin connector -T4bt- , black

D - 5-pin connector -T5ak- , black

E - 6-pin connector -T6am- , black

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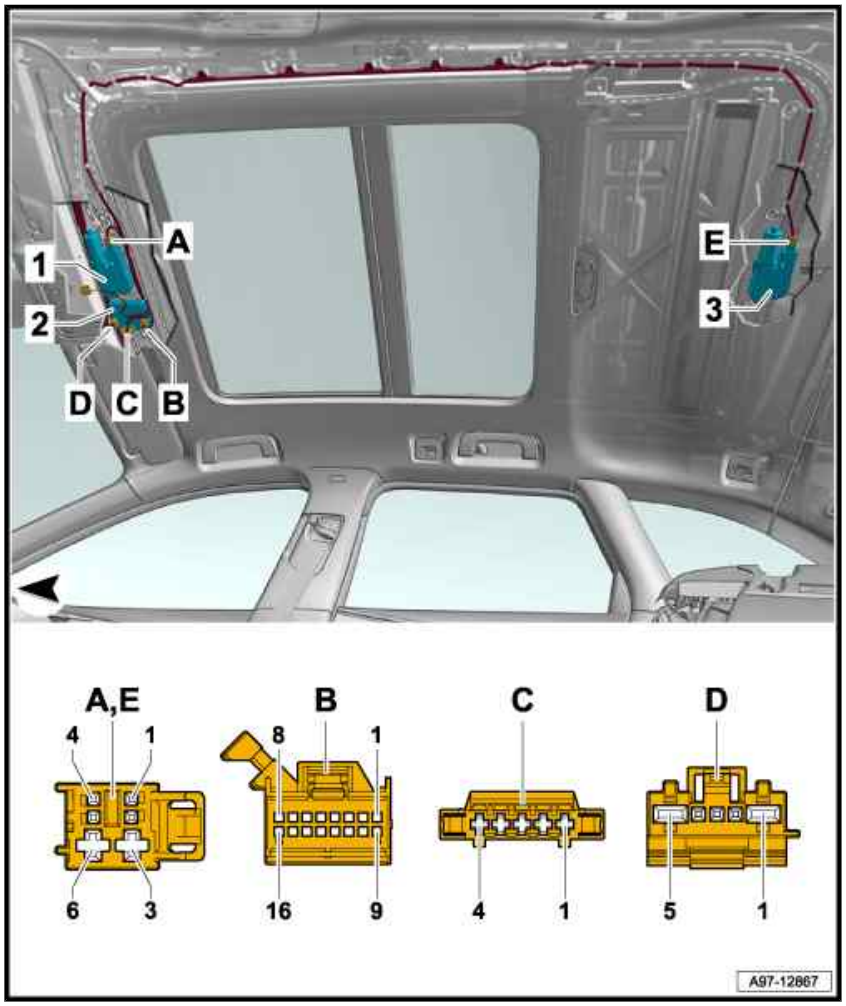

Connector assignment, sliding sunroof adjustment control unit -J245-

-T16g- (B)	Designation	-T4bt- (C)	Designation	-T5ak- (D)	Designation
1	Sliding sunroof motor -V1-	1	Sunroof roller blind motor -V260-	1	Terminal 31
2	Sliding sunroof motor -V1-	2	Sunroof roller blind motor -V260-	2	
3	Sliding sunroof motor -V1- Sunroof roller blind motor -V260-	3	Sliding sunroof motor -V1-	3	Convenience CAN bus, high
4	Sunroof button -E325- Button 1 for roof roller blind -E584-	4	Sliding sunroof motor -V1-	4	Convenience CAN bus, low
5	Sunroof button -E325- Button 1 for roof roller blind -E584-			5	Terminal 30
6	Sunroof button -E325- Button 1 for roof roller blind -E584-				
7					
8					
9	Sunroof roller blind motor -V260-				
10	Sunroof roller blind motor -V260-				
11	Sliding sunroof motor -V1- Sunroof roller blind motor -V260-				
12	Sunroof button -E325- Button 1 for roof roller blind -E584-				
13					
14					
15					
16	Sunroof button -E325- Button 1 for roof roller blind -E584-				

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1.7 Fitting location, control unit in dash panel insert -J285-

1.7.1 Fitting location, control unit in dash panel insert -J285- , without virtual cockpit (9S5)

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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Fitting location

In driver side dash panel.

1 - Control unit in dash panel insert -J285-

A - 32-pin connector -T32f- , grey

B - 2-pin connector -T2dx- , black

- ❑ MOST bus

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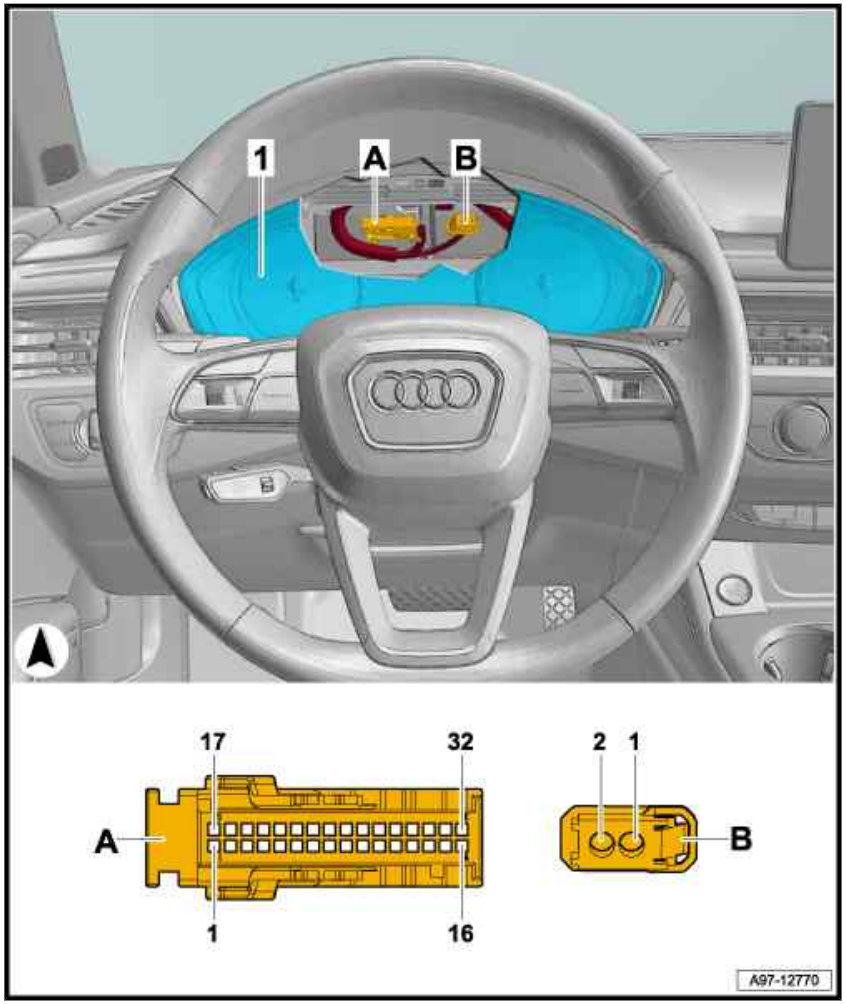

Connector assignment, control unit in dash panel insert, -J285- ⇒ page 21

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1.7.2 Fitting location, control unit in dash panel insert -J285- , with virtual cockpit (9S8), to September 2019

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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Fitting location

In driver side dash panel.

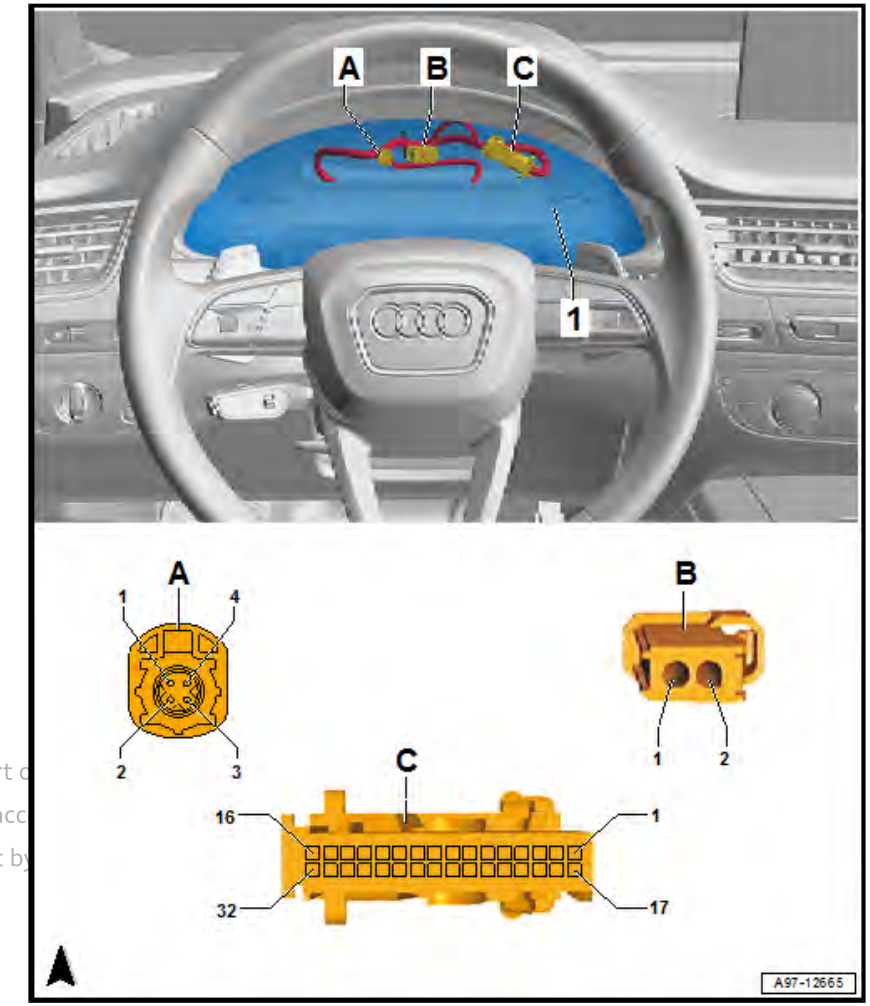
1 - Control unit in dash panel insert -J285-

A - 4-pin connector -T4bd- , black

B - 2-pin connector -T2dx- , black

- ❑ MOST bus

C - 32-pin connector -T32f- , grey



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Connector assignment, control unit in dash panel insert -J285-

-T32f- (C)	Designation	-T32f- (C)	Designation	-T32f- (C)	Designation
1	B159 Connection (diagnosis), in interior wiring harness	12		23	
2		13		24	
3	Infotainment CAN bus, low	14		25	
4	Infotainment CAN bus, high	15		26	

-T32f- (C)	Designation	-T32f- (C)	Designation	-T32f- (C)	Designation
5		16		27	
6		17		28	
7		18		29	
8	Dash panel insert operating buttons -E493-	19		30	Terminal 31
9		20		31	
10		21		32	Terminal 30
11		22			

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1.7.3 Fitting location, control unit in dash panel insert -J285- , with virtual cockpit, (9S8), (9S9), from October 2019

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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Fitting location

In driver side dash panel.

1 - Control unit in dash panel insert -J285-

A - 5-pin connector -T5gj- , black

B - 2-pin connector -T2dx- , black

- ❑ MOST bus

C - 18-pin connector -T18k- , black

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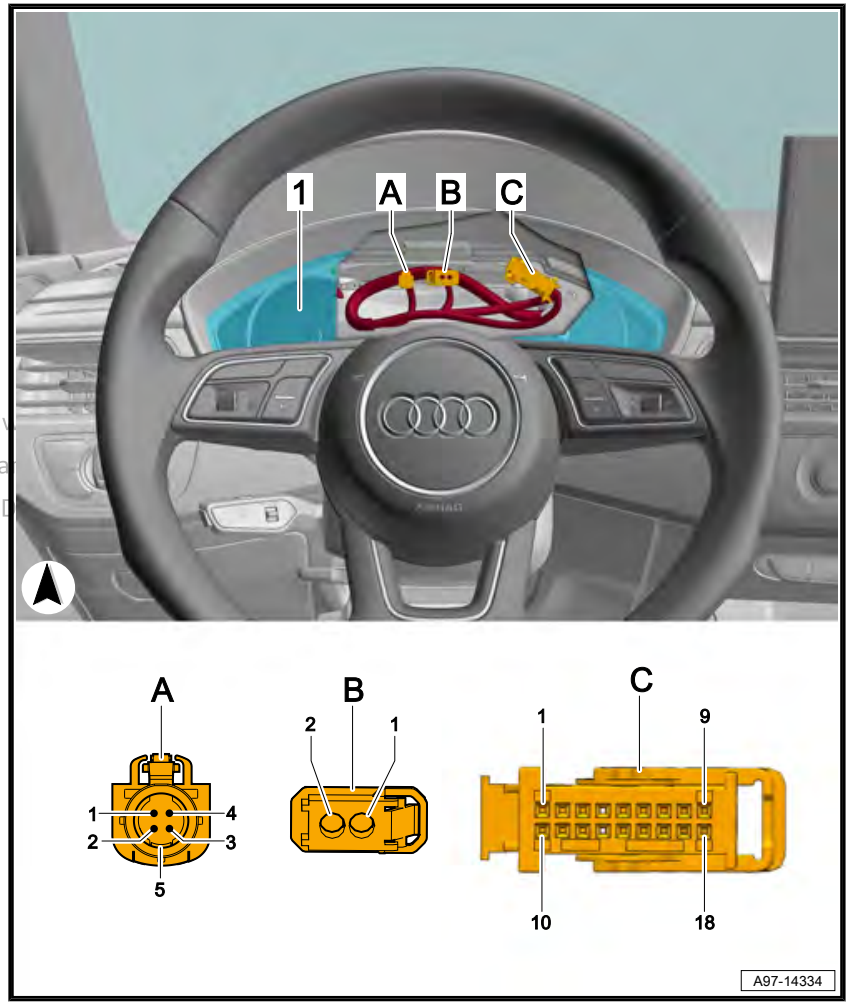

Connector assignment, control unit in dash panel insert -J285-

-T18k- (A)	Designation		-T18k- (A)	Designation
1	VS		10	GND
2	SIG, Dash panel insert operating buttons -E493-		11	
3			12	
4			13	
5			14	

-T18k- (A)	Designation		-T18k- (A)	Designation
6			15	
7			16	B159 Connection (diagnosis), in interior wiring harness
8			17	Infotainment CAN bus, low
9			18	Infotainment CAN bus, high

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1.8 Fitting location, driver door control unit -J386-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

Fitting location

In driver door.

1 - Driver door control unit -J386-

A - 32-pin connector -T32a- , blue

B - 16-pin connector -T16b- , white

C - 20-pin connector -T20l- , white

D - 6-pin connector -T6l- , black

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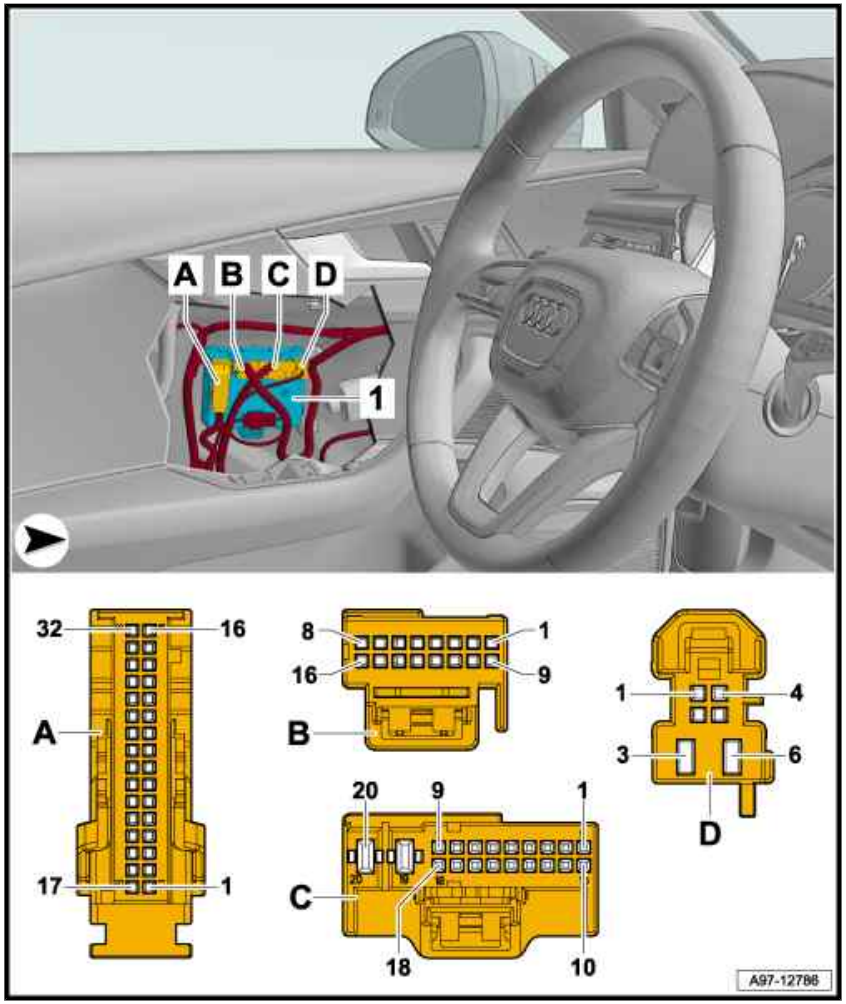

Connector assignment, driver door control unit -J386-

-T32a- (A)	Designation		-T16b- (B)	Designation
1	Central locking SAFELOCK function warning lamp -K133-		1	
2			2	Driver side automatic anti-dazzle exterior mirror -Y20- Driver side exterior mirror -VX4-
3	Light for driver side interior door handle illumination -L219-		3	Driver side turn signal repeater bulb -L131- Heated exterior mirror on driver side -Z4- Driver side exterior mirror -VX4-

-T32a- (A)	Designation	-T16b- (B)	Designation
4	Terminal 58s	4	Lane change assist warning lamp in driver side exterior mirror -K233- Driver side exterior mirror -VX4-
5	Terminal 31	5	Driver side exterior mirror -VX4-
6	Driver door exit warning light -W111-	6	Driver side automatic anti-dazzle exterior mirror -Y20- Driver side exterior mirror -VX4-
7		7	Motor 2 for driver side mirror adjustment -V17- Driver side exterior mirror -VX4-
8	Light for driver door loudspeaker trim -L223- Light for driver door ambient lighting -W86-	8	Driver side mirror adjustment motor -V149- Driver side exterior mirror -VX4-
9		9	Driver side fold-in mirror motor -V121- Driver side exterior mirror -VX4-
10	Button for deactivating interior monitoring and vehicle inclination sensor -E616-	10	Driver side fold-in mirror motor -V121- Driver side exterior mirror -VX4-
11	Operating unit for driver door window regulator -E512-	11	Driver side turn signal repeater bulb -L131- Driver side exterior mirror -VX4-
12	Operating unit for driver door window regulator -E512-	12	Lane change assist warning lamp in driver side exterior mirror -K233- Driver side exterior mirror -VX4-
13	Driver side interior locking button for central locking system -E308-	13	Potentiometer for horizontal adjustment of driver side mirror -G514- Driver side exterior mirror -VX4-
14		14	Potentiometer for horizontal adjustment of driver side mirror -G514- Potentiometer for vertical adjustment of driver side mirror -G515- Driver side exterior mirror -VX4-
15	Driver side operating unit for memory settings -E464-	15	Heated exterior mirror on driver side -Z4- Driver side exterior mirror -VX4-
16	Driver side entry light -W92-	16	Potentiometer for vertical adjustment of driver side mirror -G515- Driver side exterior mirror -VX4-
17	Driver side operating unit for memory settings -E464-		
18			
19	Driver side operating unit for memory settings -E464-		
20	Button for deactivating interior monitoring and vehicle inclination sensor -E616-		
21			
22			
23	Rear lid remote release button -E233-		
24	Mirror adjustment switch -E43-		
25	Mirror adjustment switch -E43-		
26			

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-T32a- (A)	Designation		-T16b- (B)	Designation
27	Operating unit for driver door window regulator -E512-			
28	Driver side interior locking button for central locking system -E308-			
29	Rear passenger side window regulator button, in driver door -E714- Operating unit for driver door window regulator -E512-			
30	Rear driver side window regulator button, in driver door -E712- Operating unit for driver door window regulator -E512-			
31	Front passenger side window regulator button, in driver door -E715- Operating unit for driver door window regulator -E512-			
32	Front driver side window regulator button -E710- Operating unit for driver door window regulator -E512-			

-T20l- (C)	Designation		-T6l- (D)	Designation
1	Driver door lock unit -VX21-		1	
2			2	
3	Front left door exterior handle illumination bulb -L162-		3	Driver side window regulator motor -V147-
4			4	
5	Driver door lock unit -VX21-		5	
6	Driver door lock unit -VX21-		6	Driver side window regulator motor -V147-
7				
8				
9				
10	LIN bus			
11	Driver door lock unit -VX21-			
12	Driver door lock unit -VX21-			
13	Driver door lock unit -VX21-			
14	Convenience CAN bus, low			
15	Convenience CAN bus, high			
16	Light for driver side sill panel moulding ambient lighting -W102-			
17				
18				
19	Terminal 30			
20	Terminal 31			

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1.9 Fitting location, front passenger door control unit -J387-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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Fitting location

In front passenger door.

1 - Front passenger door control unit -J387-

A - 32-pin connector -T32b- , blue

B - 16-pin connector -T16cd- , white

C - 20-pin connector -T20r- , white

D - 6-pin connector -T6r- , black

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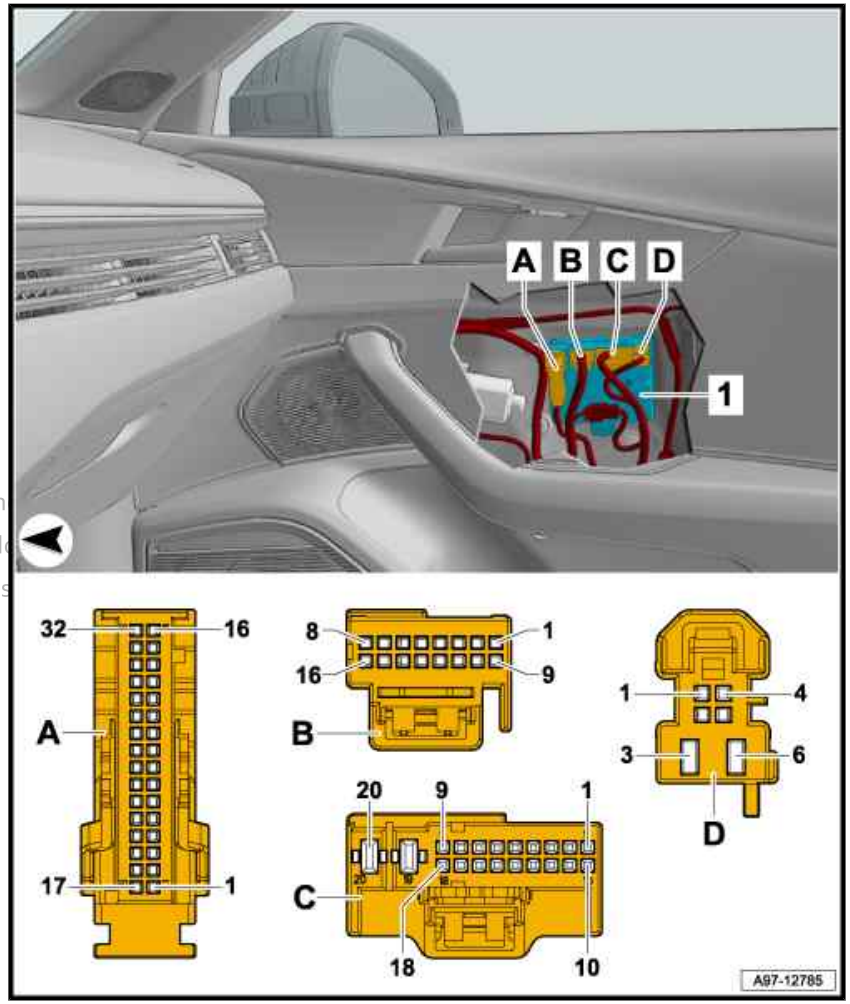

Connector assignment, front passenger door control unit -J387-

-T32b- (A)	Designation		-T16cd- (B)	Designation
1			1	
2			2	Front passenger side automatic anti-dazzle exterior mirror -Y21- Passenger side exterior mirror -VX5-
3	Light for front passenger side interior door handle illumination -L220-		3	Front passenger side turn signal repeater bulb -L132- Heated exterior mirror on front passenger side -Z5- Passenger side exterior mirror -VX5-

-T32b- (A)	Designation		-T16cd- (B)	Designation
4	Terminal 58s		4	Lane change assist warning lamp in front passenger side exterior mirror -K234- Passenger side exterior mirror -VX5-
5	Terminal 31		5	Passenger side exterior mirror -VX5-
6	Front passenger door exit warning light -W112-		6	Front passenger side automatic anti-dazzle exterior mirror -Y21- Passenger side exterior mirror -VX5-
7			7	Front passenger side mirror adjustment motor 2 -V25- Passenger side exterior mirror -VX5-
8	Light for passenger side door loudspeaker trim -L224- Light for passenger door ambient lighting -W87-		8	Front passenger side mirror adjustment motor -V150- Passenger side exterior mirror -VX5-
9			9	Front passenger side fold-in mirror motor -V122- Passenger side exterior mirror -VX5-
10			10	Front passenger side fold-in mirror motor -V122- Passenger side exterior mirror -VX5-
11			11	Front passenger side turn signal repeater bulb -L132- Passenger side exterior mirror -VX5-
12			12	Lane change assist warning lamp in front passenger side exterior mirror -K234- Passenger side exterior mirror -VX5-
13	Front passenger side interior locking button for central locking system -E309-		13	Potentiometer for horizontal adjustment of front passenger side mirror -G516- Passenger side exterior mirror -VX5-
14			14	Potentiometer for horizontal adjustment of front passenger side mirror -G516- Front passenger side potentiometer for vertical mirror adjustment -G517- Passenger side exterior mirror -VX5-
15	Front passenger side operating unit for memory settings -E465-		15	Heated exterior mirror on front passenger side -Z5- Passenger side exterior mirror -VX5-
16	Front passenger side entry light -W93-		16	Front passenger side potentiometer for vertical mirror adjustment -G517- Passenger side exterior mirror -VX5-
17	Front passenger side operating unit for memory settings -E465-			
18				
19	Front passenger side operating unit for memory settings -E465-			
20				
21				
22				
23				

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-T32b- (A)	Designation		-T16cd- (B)	Designation
24				
25				
26				
27				
28	Front passenger side interior locking button for central locking system -E309-			
29				
30				
31				
32	Front passenger side window regulator button -E716-			

-T20r- (C)	Designation		-T6r- (D)	Designation
1			1	
2			2	
3	Front right door exterior handle illumination bulb -L163-		3	Front passenger side window regulator motor -V148-
4			4	
5	Front passenger door lock unit -VX22-		5	
6	Front passenger door lock unit -VX22-		6	Front passenger side window regulator motor -V148-
7				
8				
9				
10	LIN bus			
11	Front passenger door lock unit -VX22-			
12	Front passenger door lock unit -VX22-			
13	Front passenger door lock unit -VX22-			
14	Convenience CAN bus, low			
15	Convenience CAN bus, high			
16	Light for sill panel moulding ambient lighting, front passenger side -W103-			
17				
18				
19	Terminal 30			

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-T20r- (C)	Designation		-T6r- (D)	Designation
20	Terminal 31			

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1.10 Fitting location, onboard supply control unit -J519-

Fitting location

On left A-pillar.

1 - Onboard supply control unit -J519-

A - 54-pin connector -T54c- (connector C), black

B - 73-pin connector -T73a- (connector A), black

C - 73-pin connector -T73b- (connector B), black

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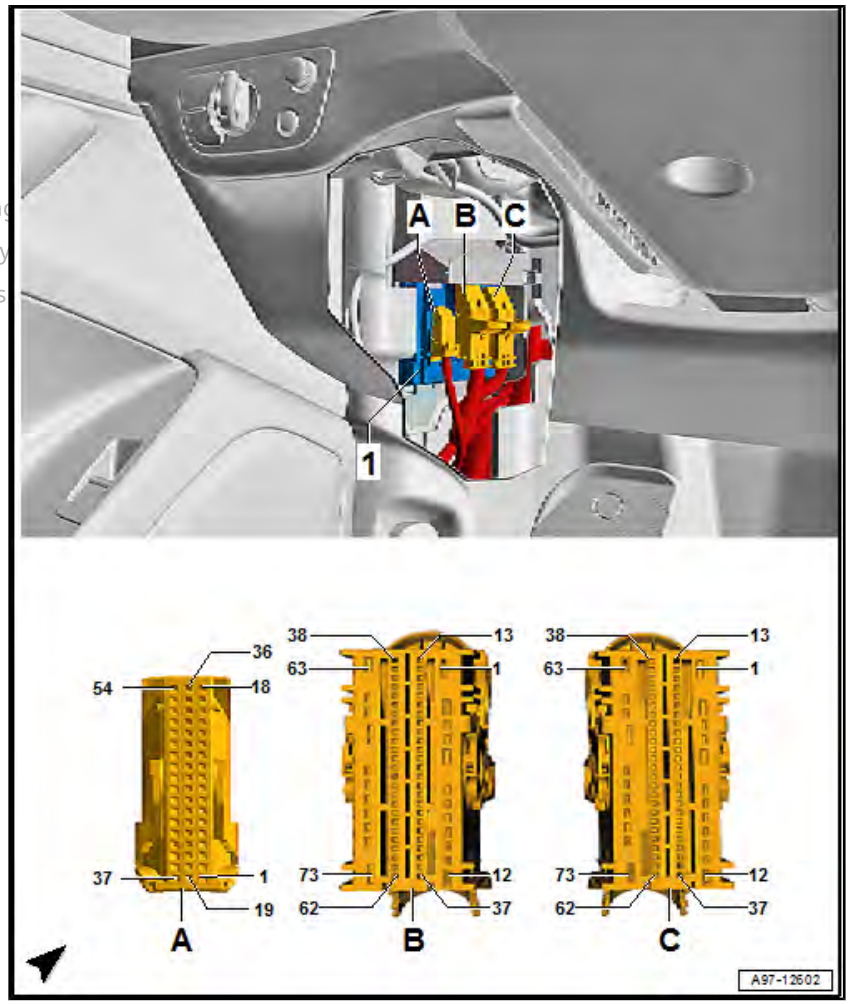

Connector assignment, onboard supply control unit -J519-

-T54c- (A)	Designation	-T73a- (B)	Designation	-T73b- (C)	Designation
1		1	12 V socket -U5- 12 V socket 2 -U18- 12 V socket 3 -U19- 12 V socket 4 -U20-	1	Terminal 30
2	Front right footwell light -K269-	2	Terminal 30	2	Headlight washer system pump -V11-
3	Front left footwell light -K268-	3		3	Washer pump -V5-
4		4		4	Washer pump -V5-
5		5		5	Treble horn -H2- Bass horn -H7-
6		6		6	Right dipped beam screen -V295-
7		7	Terminal 15	7	
8		8	Air conditioner compressor regulating valve -N280-	8	
9		9		9	Left washer jet heater element -Z20- Right washer jet heater element -Z21-
10		10		10	Front right heated seat backrest -Z117-
11	Terminal 31	11	Front left footwell light -K268- Front right footwell light -K269-	11	Heated seat cushion for front right seat -Z46-
12		12	Terminal 30	12	Terminal 30
13		13	Coolant shut-off valve -N82-	13	
14		14		14	
15		15		15	
16		16	Air conditioner compressor regulating valve -N280-	16	Front right parking aid sender -G252- Front centre right parking aid sender -G253- Front centre left parking aid sender -G254- Front left parking aid sender -G255-
17		17		17	Rear left parking aid sender -G203- Rear centre left parking aid sender -G204- Rear centre right parking aid sender -G205- Rear right parking aid sender -G206-
18		18		18	Front left parking aid sender -G255-

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-T54c- (A)	Designation	-T73a- (B)	Designation	-T73b- (C)	Designation
19	Front parking aid warning buzzer -H22-	19	Terminal 15	19	Front right parking aid sender -G252- Front centre right parking aid sender -G253- Front centre left parking aid sender -G254- Front left parking aid sender -G255- Front left sender for park assist steering on left side of vehicle -G568- Front right sender for park assist steering on right side of vehicle -G569-
20	Front parking aid warning buzzer -H22-	20	Front left brake pad wear sender -G34- Rear right brake pad wear sender -G37-	20	Rear left parking aid sender -G203- Rear centre left parking aid sender -G204- Rear centre right parking aid sender -G205- Rear right parking aid sender -G206- Rear left park assist steering sender -G716- Rear right park assist steering sender -G717-
21		21	Brake fluid level warning contact -F34-	21	Front right parking aid sender -G252-
22		22	Wiper motor control unit -J400- (LIN bus)	22	Front centre right parking aid sender -G253-
23		23	Rain and light sensor -G397- (LIN bus)	23	Front left seat temperature sender -G344-
24		24	B549 Connection 2 (LIN bus), in main wiring harness	24	
25		25	B712 Connection 7 (LIN bus), in main wiring harness	25	
26		26		26	Front right seat temperature sender -G345-
27	Valet parking button -E536-	27	B711 connection 6 (LIN bus) in main wiring harness (door storage compartment illumination)	27	
28		28	Front footwell lights, ambient lighting (LIN bus)	28	
29		29		29	
30	Light switch -E1- (LIN bus)	30	Bonnet contact switch 2 -F329-	30	
31	Hazard warning lights button -E229-	31	Bonnet contact switch -F266-	31	
32		32	Terminal 58	32	Front right side marker bulb -M34-
33	Valet parking button -E536-	33	Entry and start authorisation button -E408-	33	
34		34	Terminal 58	34	
35		35	Rear parking aid warning buzzer -H15-	35	

-T54c- (A)	Designation	-T73a- (B)	Designation	-T73b- (C)	Designation
36		36	Ambient lighting	36	
37	Terminal 58	37		37	
38		38	Air conditioner compressor regulating valve -N280-	38	
39	Glove compartment light -W6-	39		39	
40		40	Terminal 31	40	Convenience CAN bus, high
41		41	Left headlight range control motor -V48- Right headlight range control motor -V49-	41	Convenience CAN bus, low
42		42	Onboard supply control unit CAN bus, low	42	Onboard supply control unit CAN bus, high
43		43	Onboard supply control unit CAN bus, high	43	Onboard supply control unit CAN bus, low
44		44	Windscreen washer fluid level sender -G33-	44	
45		45	Coolant shortage indicator sender -G32-	45	
46		46	Ambient temperature sensor -G17-	46	
47		47		47	
48	Hazard warning lights button -E229-	48		48	Front centre left parking aid sender -G254-
49		49		49	
50	Light switch -E1- (LIN bus)	50		50	Front right sender for park assist steering on right side of vehicle -G569-
51	Operating unit 1 for driving and comfort functions -E791- (LIN bus)	51		51	Front left sender for park assist steering on left side of vehicle -G568-
52		52		52	Rear right parking aid sender -G206-
53	Front left footwell light -K268- (LIN bus)	53	Rear parking aid warning buzzer -H15-	53	Rear left parking aid sender -G203-
54		54		54	
		55	Left headlight range control motor -V48- Right headlight range control motor -V49-	55	Rear centre right parking aid sender -G205-
		56		56	Rear centre left parking aid sender -G204-
		57	Front left side marker bulb -M33-	57	Rear right park assist steering sender -G717-
		58	Left LED module for daytime running light and side light -L176-	58	Rear left park assist steering sender -G716-
		59	Front footwell lights, ambient lighting, entry lights, door contour lighting, door storage compartment illumination	59	
		60	Right LED module for daytime running light and side light -L177-	60	

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-T54c- (A)	Designation	-T73a- (B)	Designation	-T73b- (C)	Designation
		61	Left headlight range control motor -V48- Right headlight range control motor -V49-	61	
		62		62	
		63	Terminal 31	63	Terminal 31
		64	Left gas discharge bulb control unit -L13- or output module 1 for left LED headlight -A31-	64	Right gas discharge bulb control unit -L14- or output module 1 for right LED headlight -A27-
		65	Left static cornering light -M51- or output module 1 for left LED headlight -A31-	65	Right static cornering light -M52- or output module 1 for right LED headlight -A27-
		66	Terminal 30	66	Terminal 30
		67	Right LED module for daytime running light and side light -L177- or right light control unit -J1023-	67	Left LED module for daytime running light and side light -L176- or left light control unit -J1018-
		68		68	Front right turn signal bulb -M7-
		69	Front left turn signal bulb -M5-	69	
		70	Left dipped beam screen -V294-	70	
		71		71	Heated seat cushion for front left seat -Z45-
		72	Driver side vanity mirror contact switch -F147- Front passenger side vanity mirror contact switch -F148- Front passenger side illuminated vanity mirror -W14- Driver side illuminated vanity mirror -W20-	72	Front left heated seat backrest -Z116-
		73	Terminal 30	73	Terminal 30

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1.11 Fitting location, steering column electronics control unit -J527-

Note

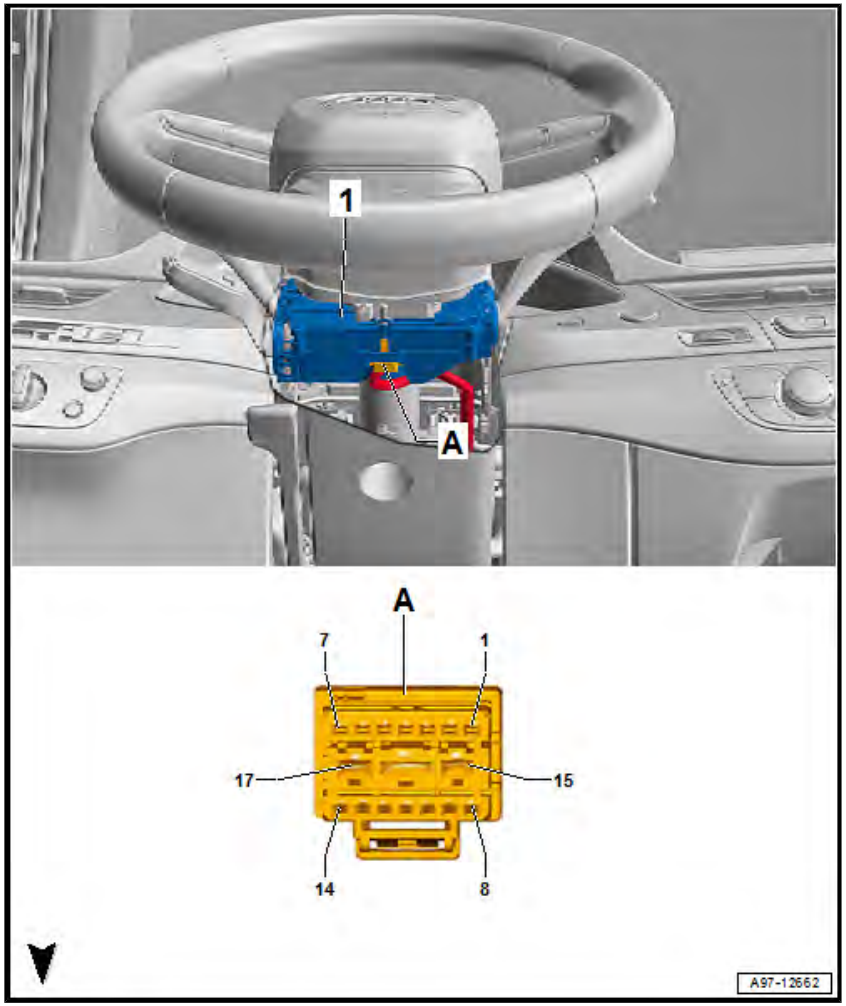
Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

Fitting location

On steering column.

1 - Steering column electronics control unit -J527-

A - 17-pin connector -T17c- , yellow



Connector assignment, steering column electronics control unit -J527-

-T17c- (A)	Designation	-T17c- (A)	Designation
1	Terminal 30	10	
2	LIN bus	11	Airbag control unit -J234-
3	Data bus wire (FlexRay bus)	12	Airbag control unit -J234-
4	Data bus wire (FlexRay bus)	13	Airbag control unit -J234-
5		14	Airbag control unit -J234-

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-T17c- (A)	Designation		-T17c- (A)	Designation
6			15	Terminal 30 (steering wheel heating)
7	CCS		16	
8			17	Terminal 31
9				

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1.12 Fitting location, roof electronics control unit -J528-

1.12.1 Fitting location, roof electronics control unit -J528- , Coupé and Sportback models

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Fitting location

In front roof module -WX3- .

1 - Roof electronics control unit -J528-

A - 6-pin connector -T6bc- , black

B - 16-pin connector -T16p- , brown

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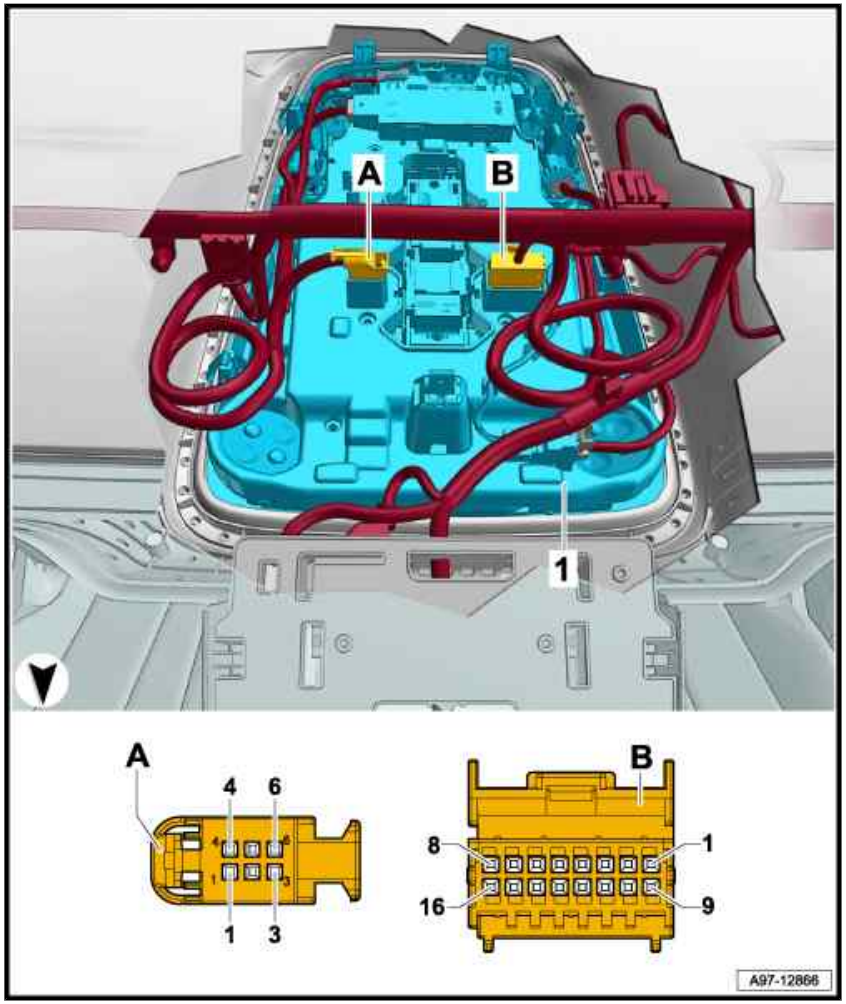

Connector assignment of roof electronics control unit -J528-

-T6bc- (A)	Designation
1	
2	Terminal 58
3	Terminal 30
4	
5	Terminal 31

-T6bc- (A)	Designation
6	LIN bus

-T16p- (B)	Designation
1	Rear left reading light -W11-
2	Rear left reading light button -E454-
3	Terminal 31
4	
5	
6	
7	
8	
9	Rear right reading light -W12-
10	Rear right reading light button -E455-
11	Terminal 58
12	
13	
14	
15	
16	

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1.12.2 Fitting location, roof electronics control unit -J528- , Cabriolet models

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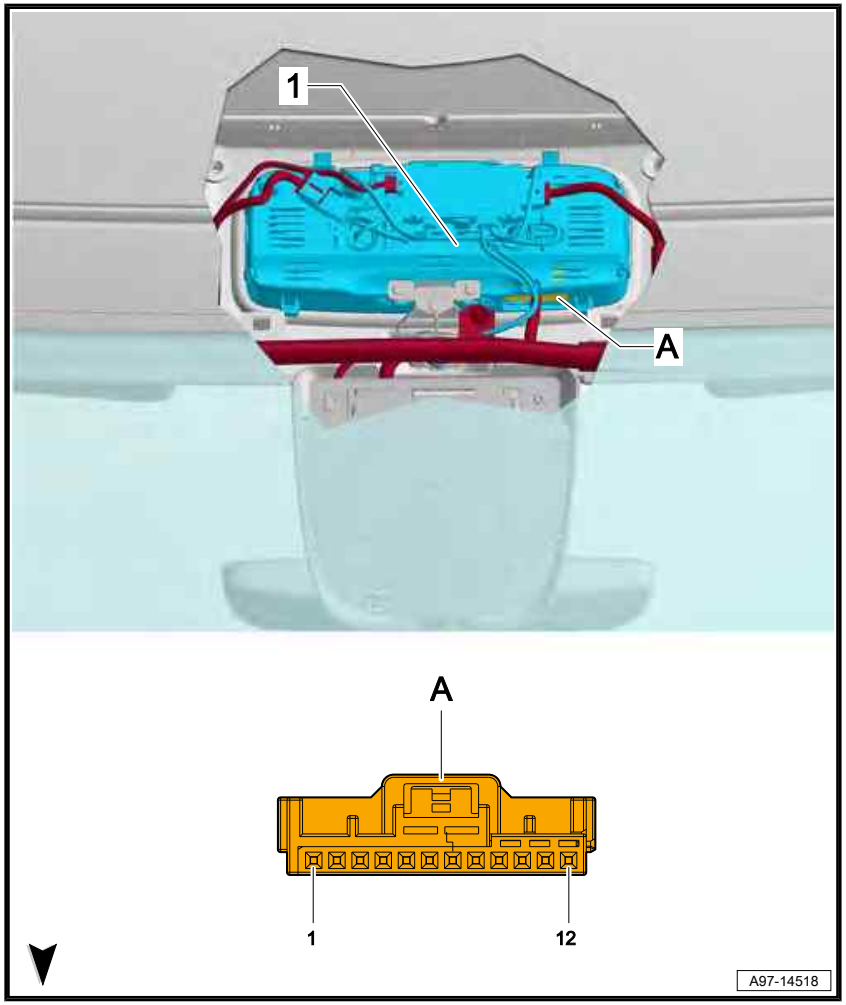
Fitting location

In front roof module -WX3- .

1 - Roof electronics control unit -J528-

A - 12-pin connector -T12e- , black



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Connector assignment of roof electronics control unit -J528-

-T12e- (A)	Designation
1	
2	
3	Rear interior light -W43-
4	Rear interior light -W43-
5	

-T12e- (A)	Designation
6	
7	Rear interior light -W43-
8	VS
9	B549 Connection 2 (LIN bus), in main wiring harness
10	GND
11	Onboard supply control unit -J519-
12	Rear interior light -W43-

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1.13 Fitting location, data bus diagnostic interface -J533-

1.13.1 Fitting location, data bus diagnostic interface -J533- , without emergency call function (IW0), Cabriolet models

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Fitting location

Near rear seat bench.

1 - Data bus diagnostic interface -J533-

A - 54-pin connector -T54- , black

B - not assigned

C - not assigned

D - not assigned

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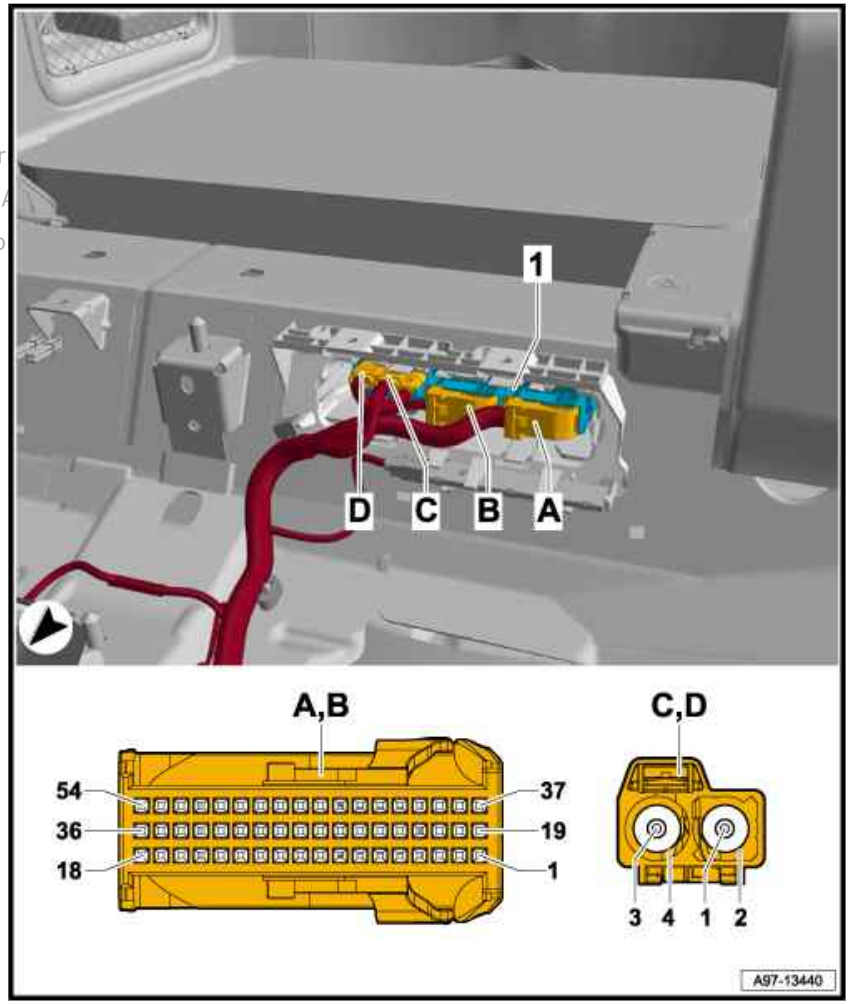

Connector assignment, data bus diagnostic interface -J533- ⇒ page 47

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1.13.2 Fitting location, data bus diagnostic interface -J533- , with emergency call function (IW1, IW3) and Conncet Plus (IV0), Cabriolet models

Fitting location

Near rear seat bench.

1 - Data bus diagnostic interface -J533-

A - 54-pin connector -T54- , black

B - 54-pin connector -T54b- , blue

C - 4-pin connector -T4da- , pink

D - 4-pin connector -T4ee- , purple

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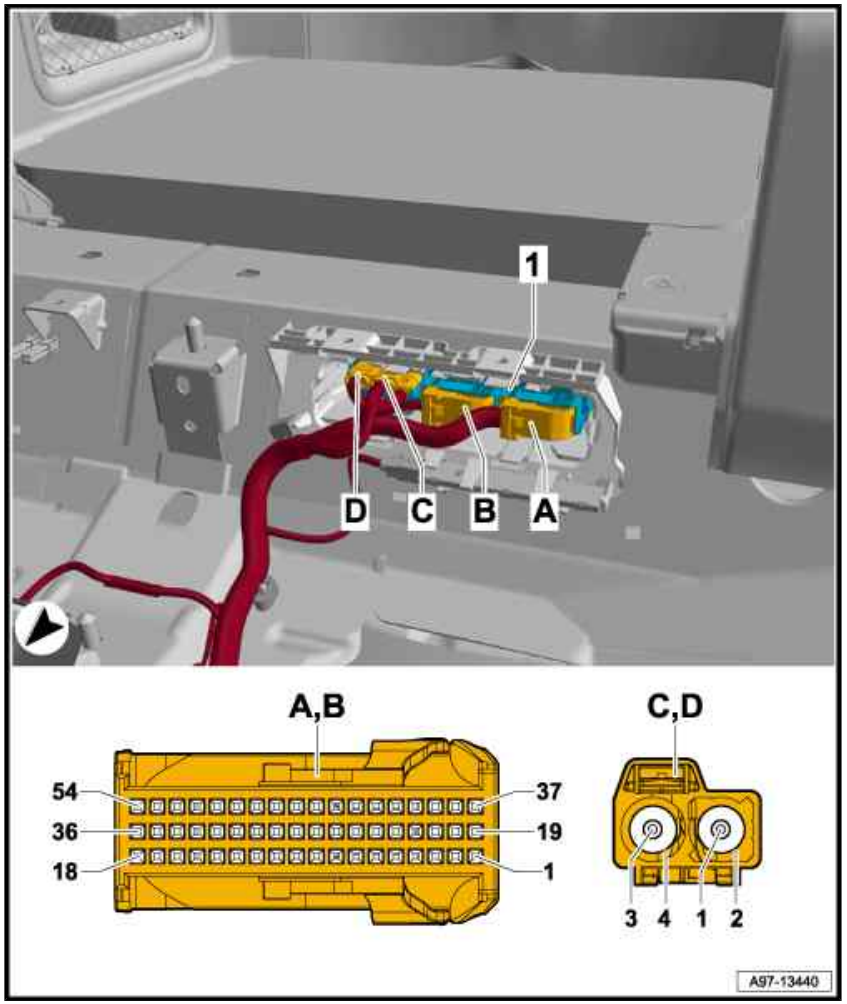

Connector assignment, data bus diagnostic interface -J533- ⇒ page 48

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1.13.3 Fitting location, data bus diagnostic interface -J533- , with emergency call function (IW1, IW3) and Conncet Plus (IV1, IV2, IV3, IV4, IV5, IV6, IV7, IV8, IV9, JE0, JE1, JE2, JE3, JE4, JE5), Cabriolet models

Fitting location

Near rear seat bench.

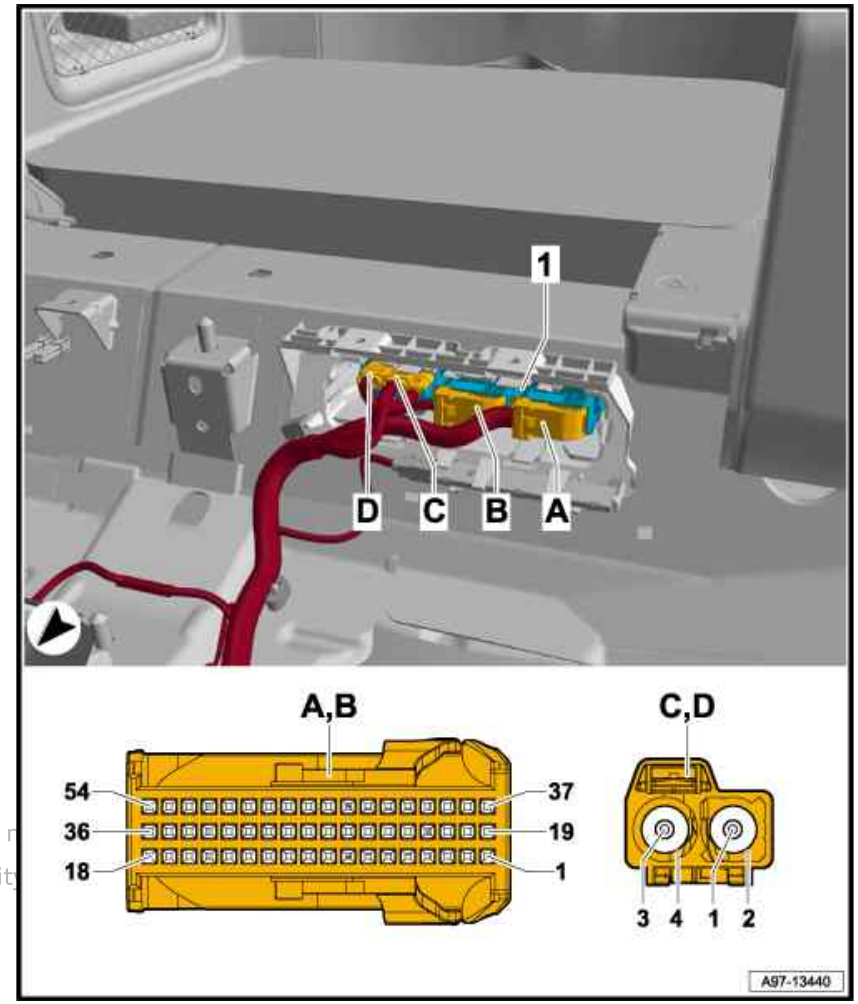
1 - Data bus diagnostic interface -J533-

A - 54-pin connector -T54- , black

B - 54-pin connector -T54e- , grey

C - not assigned

D - not assigned



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Connector assignment, data bus diagnostic interface -J533- ⇒ page 51

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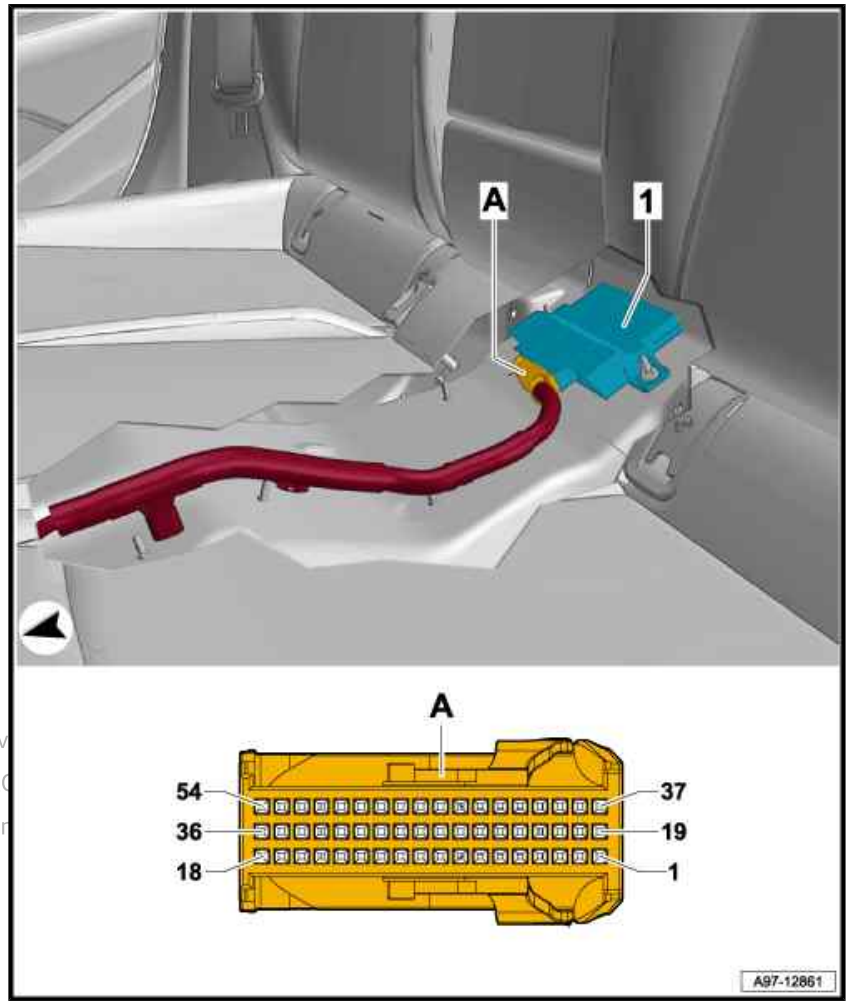
1.13.4 Fitting location, data bus diagnostic interface -J533- , without emergency call function (IW0), Coupé and Sportback models

Fitting location

Near rear seat bench.

1 - Data bus diagnostic interface -J533-

A - 54-pin connector -T54- , black



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Connector assignment, data bus diagnostic interface -J533-

-T54- (A)	Designation	-T54- (A)	Designation	-T54- (A)	Designation
1		19		37	
2		20		38	
3	Diagnostic connection -U31- / FlexRay bus	21	Diagnostic connection -U31- / FlexRay bus	39	
4	Diagnostic connection -U31-	22	Diagnostic connection -U31-	40	
5	All-wheel drive control unit -J492- / FlexRay bus	23	All-wheel drive control unit -J492- / FlexRay bus	41	All-wheel drive control unit -J492-
6		24		42	All-wheel drive control unit -J492-
7	Control unit 2 for adaptive cruise control -J850- / FlexRay bus	25	Control unit 2 for adaptive cruise control -J850- / FlexRay bus	43	
8	Airbag control unit -J234- / FlexRay bus	26	Airbag control unit -J234- / FlexRay bus	44	
9	FlexRay bus/ automatic gearbox	27	FlexRay bus/ automatic gearbox	45	FlexRay bus for driver assist systems, adaptive suspension
10	Engine control unit -J623- / FlexRay bus	28	Engine control unit -J623- / FlexRay bus	46	FlexRay bus for driver assist systems, adaptive suspension
11	B229 connection (high bus) in interior wiring harness	29	B230 connection (low bus) in interior wiring harness	47	
12	Extended CAN bus, high	30	Extended CAN bus, low	48	Diagnosis CAN bus, low
13	Infotainment CAN bus, high	31	Infotainment CAN bus, low	49	Diagnosis CAN bus, high
14		32		50	Operating and display unit for front air conditioning system -E87- / CAN bus, low
15	Convenience CAN bus, high	33	Convenience CAN bus, low	51	Operating and display unit for front air conditioning system -E87- / CAN bus, high
16	LIN bus	34	LIN bus	52	
17	Terminal 15	35		53	
18	Terminal 30	36	Diagnostic connection -U31-	54	Terminal 31

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1.13.5 Fitting location, data bus diagnostic interface -J533-, with emergency call function (IW1, IW3) and Conncet Plus (IV0), Coupé and Sportback models

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Fitting location

Near rear seat bench.

1 - Data bus diagnostic interface -J533-

A - 54-pin connector -T54- , black

B - 54-pin connector -T54b- , blue

C - 4-pin connector -T4da- , pink

D - 4-pin connector -T4ee- , purple

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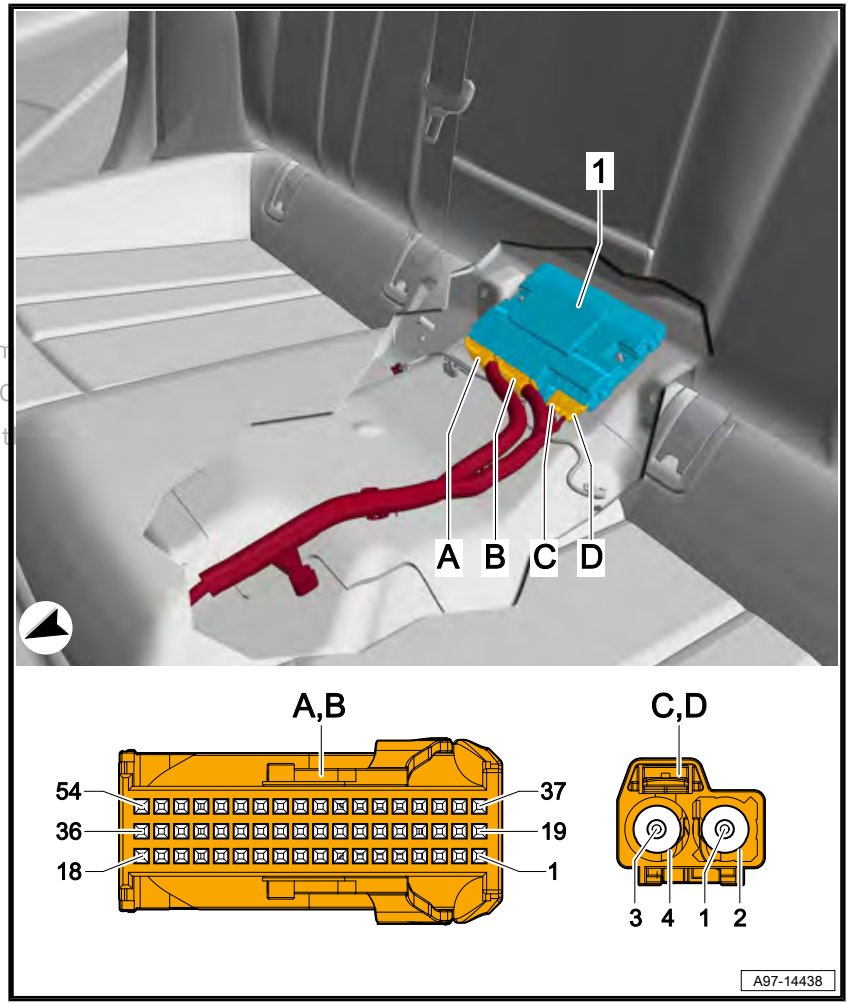

Connector assignment, data bus diagnostic interface -J533-

-T54- (A)	Designation		-T54- (A)	Designation		-T54- (A)	Designation
1			19			37	
2			20			38	
3	Diagnostic connection -U31- / FlexRay bus		21	Diagnostic connection -U31- / FlexRay bus		39	
4	Diagnostic connection -U31-		22	Diagnostic connection -U31-		40	

-T54- (A)	Designation	-T54- (A)	Designation	-T54- (A)	Designation
5	All-wheel drive control unit -J492- / FlexRay bus	23	All-wheel drive control unit -J492- / FlexRay bus	41	All-wheel drive control unit -J492-
6		24		42	All-wheel drive control unit -J492-
7	Control unit 2 for adaptive cruise control -J850- / FlexRay bus	25	Control unit 2 for adaptive cruise control -J850- / FlexRay bus	43	
8	Airbag control unit -J234- / FlexRay bus	26	Airbag control unit -J234- / FlexRay bus	44	
9	FlexRay bus/ automatic gearbox	27	FlexRay bus/ automatic gearbox	45	FlexRay bus for driver assist systems, adaptive suspension
10	Engine control unit -J623- / FlexRay bus	28	Engine control unit -J623- / FlexRay bus	46	FlexRay bus for driver assist systems, adaptive suspension
11	B229 connection (high bus) in interior wiring harness	29	B230 connection (low bus) in interior wiring harness	47	
12	Extended CAN bus, high	30	Extended CAN bus, low	48	Diagnosis CAN bus, low
13	Infotainment CAN bus, high	31	Infotainment CAN bus, low	49	Diagnosis CAN bus, high
14		32		50	Operating and display unit for front air conditioning system -E87- / CAN bus, low
15	Convenience CAN bus, high	33	Convenience CAN bus, low	51	Operating and display unit for front air conditioning system -E87- / CAN bus, high
16	LIN bus	34	LIN bus	52	
17	Terminal 15	35		53	
18	Terminal 30	36	Diagnostic connection -U31-	54	Terminal 31

-T54b- (B)	Designation	-T54b- (B)	Designation	-T54b- (B)	Designation
1		19		37	
2	Emergency call module loudspeaker -R335-	20		38	
3	Emergency call module loudspeaker -R335-	21		39	
4		22		40	
5	Control unit 1 for information electronics -J794-	23		41	
6	Control unit 1 for information electronics -J794-	24		42	
7		25		43	

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-T54b- (B)	Designation	-T54b- (B)	Designation	-T54b- (B)	Designation
8		26		44	
9	Left front microphone -R140-	27		45	
10	Left front microphone -R140-	28		46	
11	Control unit 1 for information electronics -J794-	29		47	
12	Control unit 1 for information electronics -J794-	30		48	
13	Control unit 1 for information electronics -J794-	31		49	
14	Airbag control unit -J234-	32		50	
15		33		51	
16		34		52	
17		35		53	
18		36		54	Shield

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1.13.6 Fitting location, data bus diagnostic interface -J533- , with emergency call function (IW1, IW3) and Conncet Plus (IV1, IV2, IV3, IV4, IV5, IV6, IV7, IV8, IV9, JE0, JE1, JE2, JE3, JE4, JE5), Coupé and Sportback models

Fitting location

Near rear seat bench.

1 - Data bus diagnostic interface -J533-

A - 54-pin connector -T54- , black

B - 54-pin connector -T54e- , grey

C - not assigned

D - not assigned

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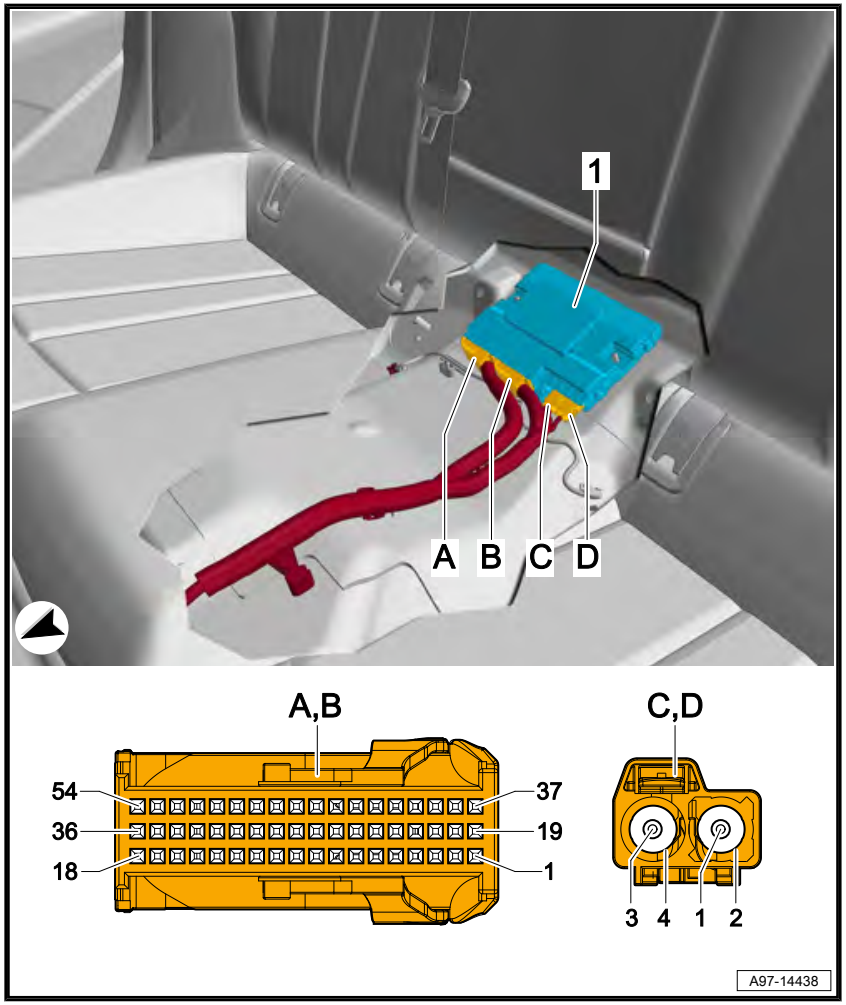

Connector assignment, data bus diagnostic interface -J533-

-T54- (A)	Designation		-T54- (A)	Designation		-T54- (A)	Designation
1			19			37	
2			20			38	
3	Diagnostic connection -U31- / FlexRay bus		21	Diagnostic connection -U31- / FlexRay bus		39	
4	Diagnostic connection -U31-		22	Diagnostic connection -U31-		40	

-T54- (A)	Designation	-T54- (A)	Designation	-T54- (A)	Designation
5	All-wheel drive control unit -J492- / FlexRay bus	23	All-wheel drive control unit -J492- / FlexRay bus	41	All-wheel drive control unit -J492-
6		24		42	All-wheel drive control unit -J492-
7	Control unit 2 for adaptive cruise control -J850- / FlexRay bus	25	Control unit 2 for adaptive cruise control -J850- / FlexRay bus	43	
8	Airbag control unit -J234- / FlexRay bus	26	Airbag control unit -J234- / FlexRay bus	44	
9	FlexRay bus/ automatic gearbox	27	FlexRay bus/ automatic gearbox	45	FlexRay bus for driver assist systems, adaptive suspension
10	Engine control unit -J623- / FlexRay bus	28	Engine control unit -J623- / FlexRay bus	46	FlexRay bus for driver assist systems, adaptive suspension
11	B229 connection (high bus) in interior wiring harness	29	B230 connection (low bus) in interior wiring harness	47	
12	Extended CAN bus, high	30	Extended CAN bus, low	48	Diagnosis CAN bus, low
13	Infotainment CAN bus, high	31	Infotainment CAN bus, low	49	Diagnosis CAN bus, high
14		32		50	Operating and display unit for front air conditioning system -E87- / CAN bus, low
15	Convenience CAN bus, high	33	Convenience CAN bus, low	51	Operating and display unit for front air conditioning system -E87- / CAN bus, high
16	LIN bus	34	LIN bus	52	
17	Terminal 15	35		53	
18	Terminal 30	36	Diagnostic connection -U31-	54	Terminal 31

-T54e- (B)	Designation	-T54e- (B)	Designation	-T54e- (B)	Designation
1		19		37	
2		20		38	
3		21		39	
4		22		40	
5		23		41	
6		24		42	
7		25		43	
8		26		44	
9		27		45	
10		28		46	

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-T54e- (B)	Designation		-T54e- (B)	Designation		-T54e- (B)	Designation
11			29			47	
12			30			48	
13			31			49	
14			32			50	
15			33			51	
16			34			52	
17	Emergency call module control unit and communication unit -J949-		35	Control unit 1 for information electronics -J794-		53	Emergency call module control unit and communication unit -J949-
18	Emergency call module control unit and communication unit -J949-		36	Control unit 1 for information electronics -J794-		54	Emergency call module control unit and communication unit -J949-

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1.14 Fitting location, fuel pump control unit -J538-

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Fitting location

Rear right wheel housing under the trim.

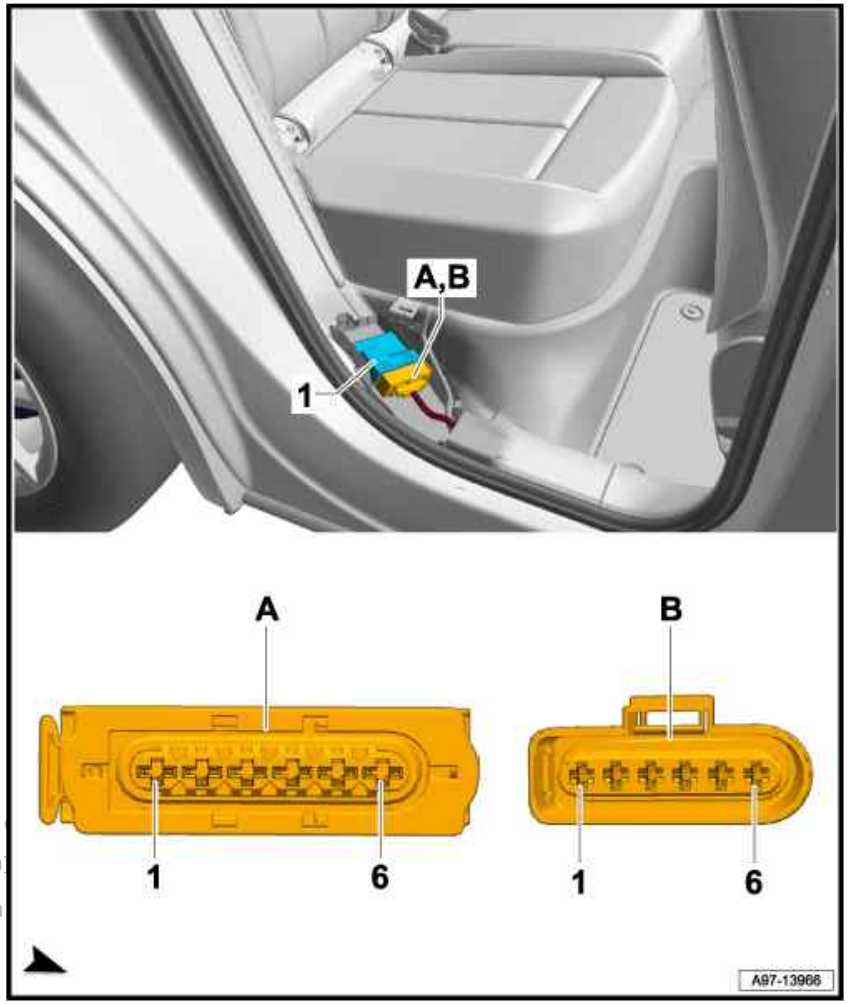
1 - Fuel pump control unit -J538-

A - 6-pin connector -T6bl- , black

- ❑ For models with 6 cylinder engine

B - 6-pin connector -T6bl- , black

- ❑ For models with 4 cylinder engine



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Connector assignment, fuel pump control unit -J538-

-T6bl- (A)	Designation
1	Fuel system pressurisation pump -G6-
2	Fuel system pressurisation pump -G6-
3	Fuel system pressurisation pump -G6-
4	Terminal 31
5	Terminal 87

-T6bl- (A)	Designation
6	Engine control unit -J623-

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1.15 Fitting location, near field communication control unit 2 -J1170-

Fitting location

under centre console.

1 - Near field communication control unit 2 -J1170-

A - 5-pin connector -T5cc- , black

B - 2-pin connector -T2nf- , black

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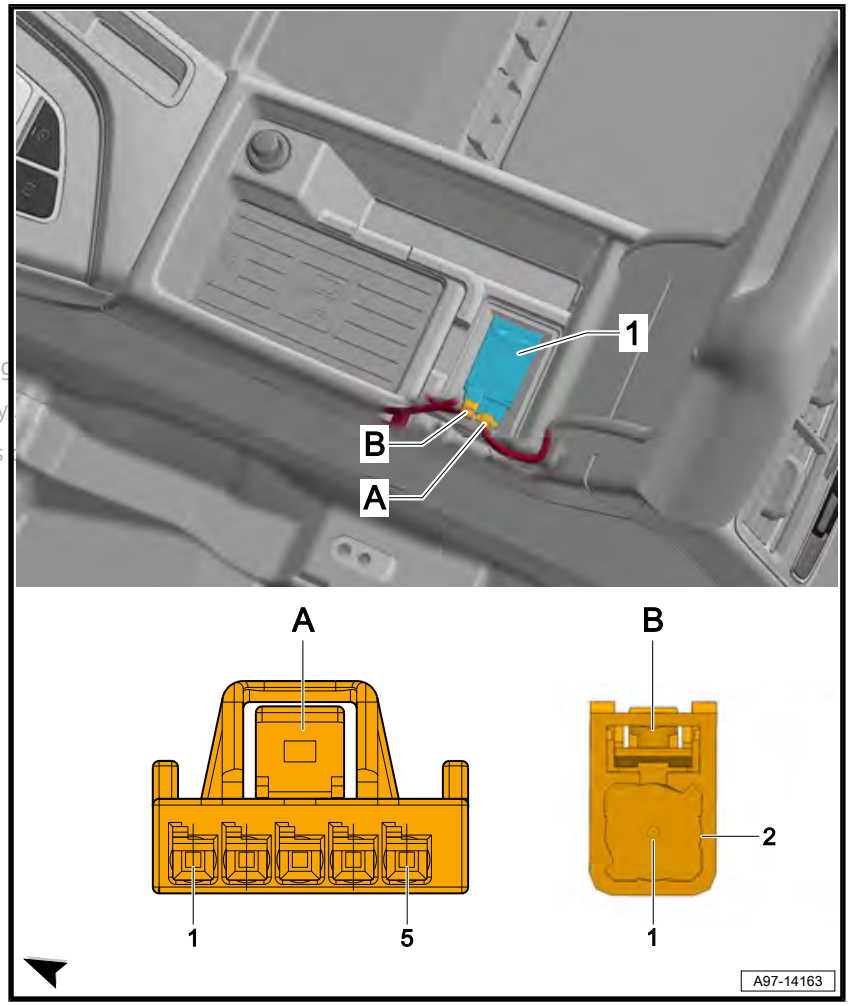

Connector assignment of near field communication control unit 2 -J1170-

-T5cc- (A)	Designation
1	KL30
2	CAN-H
3	CAN-L
4	GND
5	SIG, telephone bracket -R126-

-T2nf- (B)	Designation
1	SIG
2	(S)

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1.16 Charger 1 for mobile devices -J1146- , from October 2019

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Fitting location

in centre console

1 - Charger 1 for mobile devices -J1146-

A - 6-pin connector -T6ez- , black

B - 2-pin connector -T2nka- , purple

C - 2-pin connector -T2tz-

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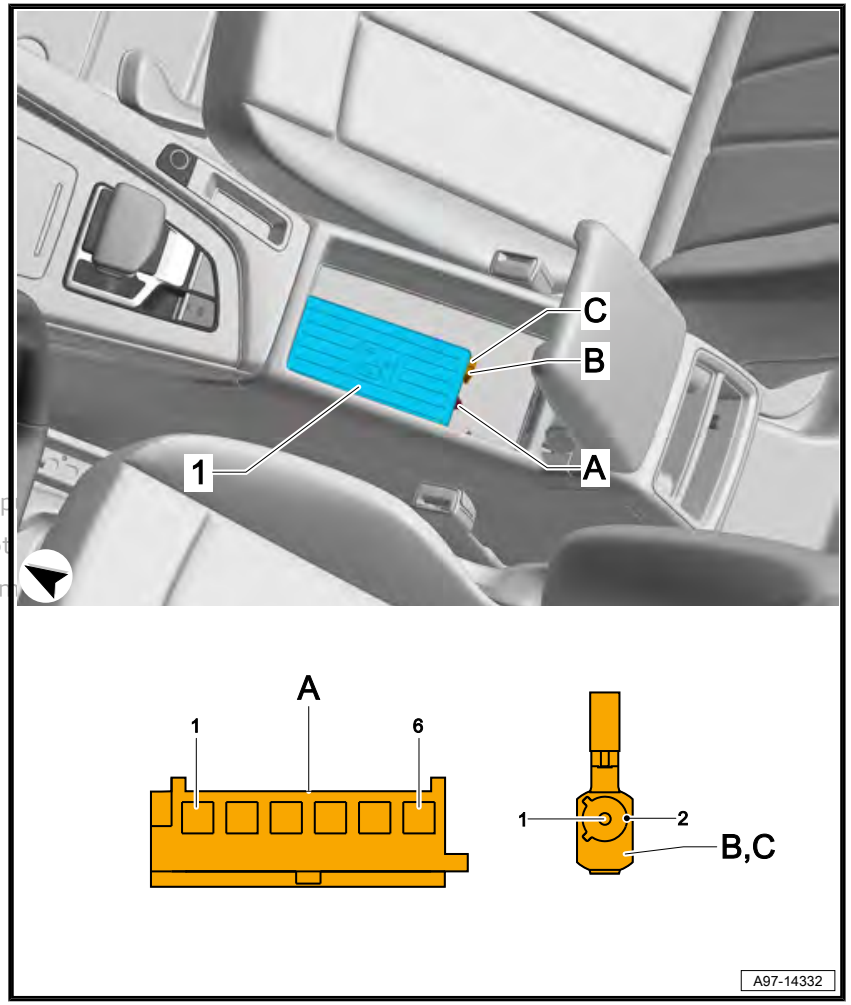

Connector assignment, charger 1 for mobile devices -J1146-

-T6ez- (A)	Designation
1	VS
2	E148 Connection 2 (CAN bus, control unit 1 for information electronics, low)
3	E146 Connection 2 (CAN bus, control unit 1 for information electronics, high)

-T6ez- (A)	Designation
4	GND
5	

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1.17 Fitting location, control unit for electronic steering column lock -J764-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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Fitting location

On steering column.

1 - Control unit for electronic steering column lock -J764-

A - 4-pin connector -T4x- , black

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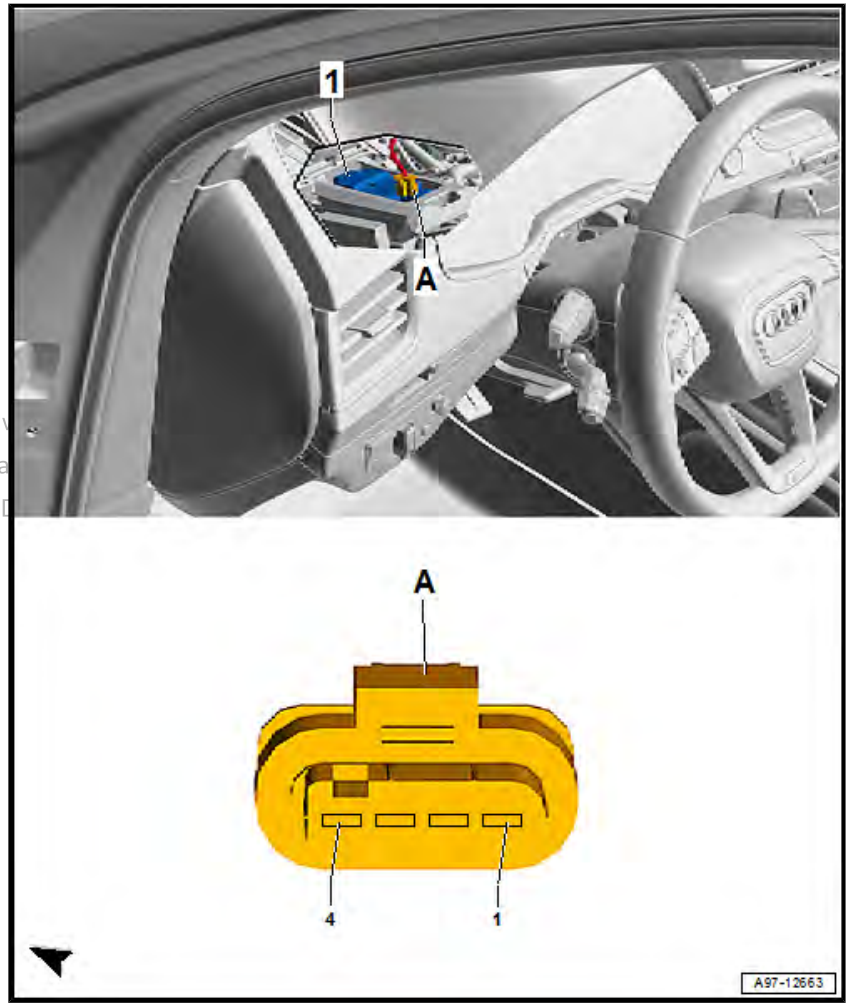


Connector assignment of control unit for electronic steering column lock -J764-

-T4x- (A)	Designation
1	Convenience CAN bus, high
2	Convenience CAN bus, low
3	Terminal 30
4	Terminal 31

Back to overview.

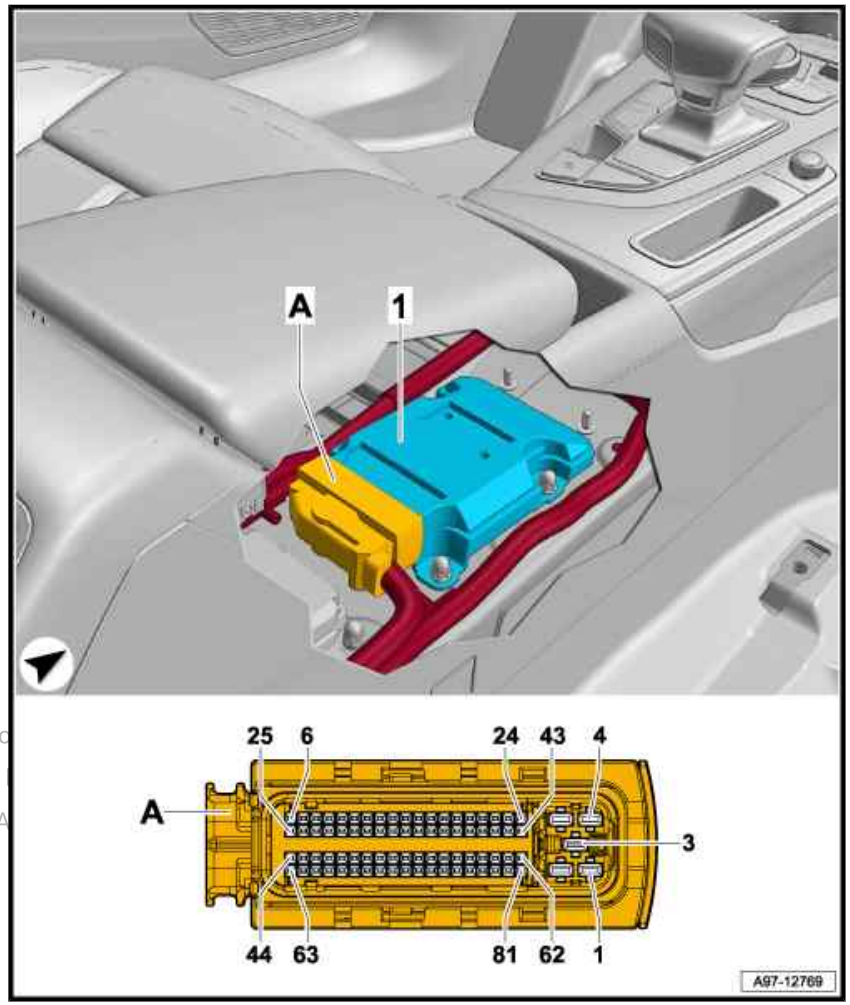
1.18 Fitting location Running gear control unit -J775-

Fitting location

Under centre console at front on centre tunnel.

1 - Running gear control unit -J775-

A - 81-pin connector -T81- , black



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Connector assignment of running gear control unit -J775-

-T81- (A)	Designation		-T81- (A)	Designation		-T81- (A)	Designation
1	Terminal 30		28			55	

-T81- (A)	Designation	-T81- (A)	Designation	-T81- (A)	Designation
2		29		56	
3		30		57	
4		31	Front right vehicle level sender -G289-	58	
5	Terminal 31	32	Rear left vehicle level sender -G76-	59	
6		33		60	
7		34	Front right vehicle level sender -G289-	61	
8		35		62	Terminal 15
9	Front left vehicle level sender -G78-	36		63	Front camera for driver assist systems -R242- / FlexRay-Bus or steering column electronics control unit -J527- / FlexRay bus
10	Front left vehicle level sender -G78-	37		64	Front camera for driver assist systems -R242- / FlexRay-Bus or steering column electronics control unit -J527- / FlexRay bus
11	Front left vehicle level sender -G78-	38		65	
12	Front right vehicle level sender -G289-	39		66	
13	Rear left vehicle level sender -G76-	40		67	
14	Rear left vehicle level sender -G76-	41		68	Rear right shock absorber damping adjustment valve -N339-
15		42		69	Rear right shock absorber damping adjustment valve -N339-
16		43		70	
17	Rear right vehicle inclination sender -G77-	44	Data bus diagnostic interface -J533- / FlexRay bus	71	
18	Rear right vehicle inclination sender -G77-	45	Data bus diagnostic interface -J533- / FlexRay bus	72	Rear left shock absorber damping adjustment valve -N338-
19	Rear right vehicle inclination sender -G77-	46		73	Rear left shock absorber damping adjustment valve -N338-
20		47		74	
21		48		75	
22		49		76	Front right shock absorber damping adjustment valve -N337-
23		50		77	Front right shock absorber damping adjustment valve -N337-
24		51		78	
25		52		79	

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-T81- (A)	Designation		-T81- (A)	Designation		-T81- (A)	Designation
26			53			80	Front left shock absorber damping adjustment valve -N336-
27			54			81	Front left shock absorber damping adjustment valve -N336-

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1.19 Fitting location, control unit 1 for information electronics -J794-

1.19.1 Fitting location, control unit 1 for information electronics -J794- , MMI radio (I8E), (I8S), to September 2019

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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Fitting location

In glove compartment.

1 - Control unit 1 for information electronics -J794-

A - 2-pin connector -T2dna- , black

- ❑ Connection for digital radio aerial

A - 2-pin connector -T2dnb- , brown

- ❑ Connection for satellite aerial

B - 4-pin connector -T4fc- , purple

- ❑ Connection for GSM/LTE aerial
- ❑ According to equipment

C - 2-pin connector -T2zia- , blue

- ❑ Connection for GPS aerial
- ❑ According to equipment

D - 4-pin connector -T4aw- , white

- ❑ Connection for radio aerials

E - 4-pin connector -T4ae- , purple

- ❑ Connection for display

F - 4-pin connector -T4fa- , yellow

- ❑ Connection for USB

G - 2-pin connector -T2dw- , black

- ❑ Connection for fibre-optic data bus (MOST bus)

H - 12-pin connector -T12m- , green

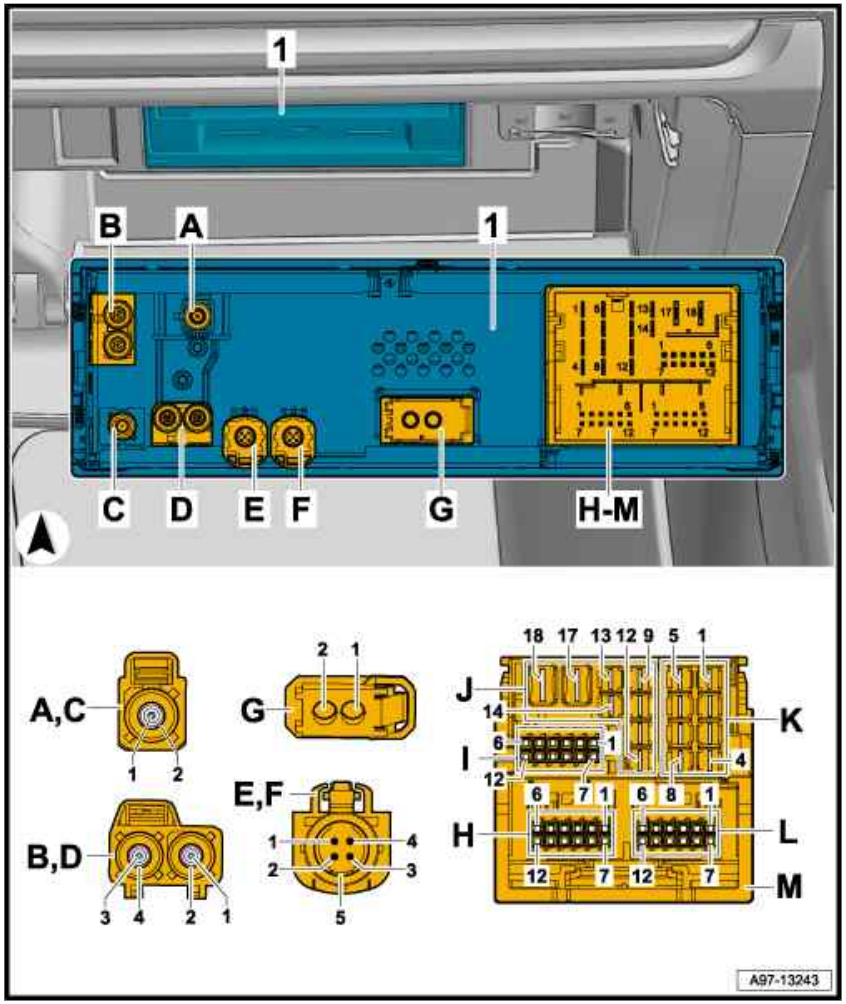
I - 12-pin connector -T12n- , grey

J - 8-pin connector -T8t- , black

K - 8-pin connector -T8p- , brown

L - 12-pin connector -T12l- , blue

M - Terminal block



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1.19.2 Fitting location, control unit 1 for information electronics -J794- , MMI Navigation plus (I8H), to September 2019

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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Fitting location

In glove compartment.

1 - Control unit 1 for information electronics -J794-

A - 2-pin connector -T2dna- , black

- ❑ Connection for digital radio aerial

A - 2-pin connector -T2dnb- , brown

- ❑ Connection for satellite aerial

B - 4-pin connector -T4fc- , purple

- ❑ Connection for GSM/LTE aerial

C - 2-pin connector -T2zia- , blue

- ❑ Connection for GPS aerial

D - 4-pin connector -T4aw- , white

- ❑ Connection for radio aerials

E - 5-pin connector -T5q- , brown

- ❑ Connection for overhead view camera

F - 4-pin connector -T4ef- , yellow

- ❑ Connection for control unit in dash panel insert

G - 4-pin connector -T4fa- , yellow

- ❑ Connection for USB

H - 4-pin connector -T4be- , grey, blue

- ❑ Connection for display

I - 12-pin connector -T12m- , green

J - 12-pin connector -T12n- , grey

K - 8-pin connector -T8t- , black

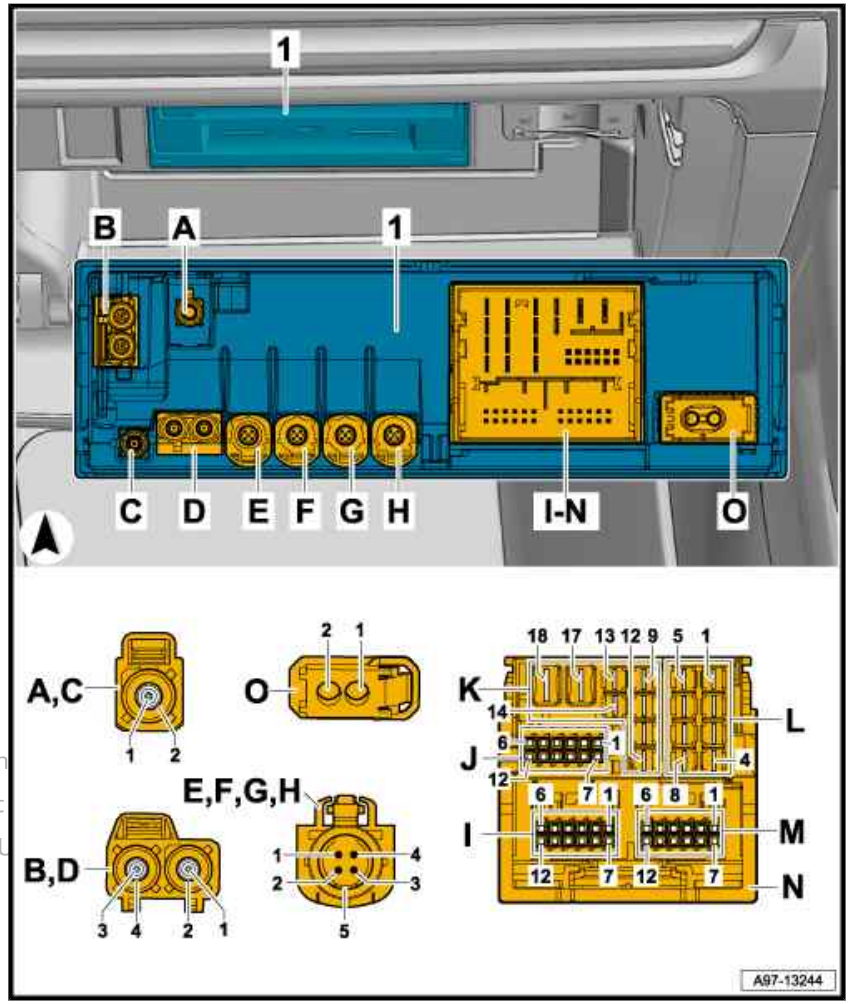
L - 8-pin connector -T8p- , brown

M - 12-pin connector -T12l- , blue

N - Terminal block

O - 2-pin connector -T2dw- , black

- ❑ Connection for fibre-optic data bus (MOST bus)



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1.19.3 Fitting location, control unit 1 for information electronics -J794- , MMI (information electronics 1), from October 2019

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Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

Fitting location

In glove compartment.

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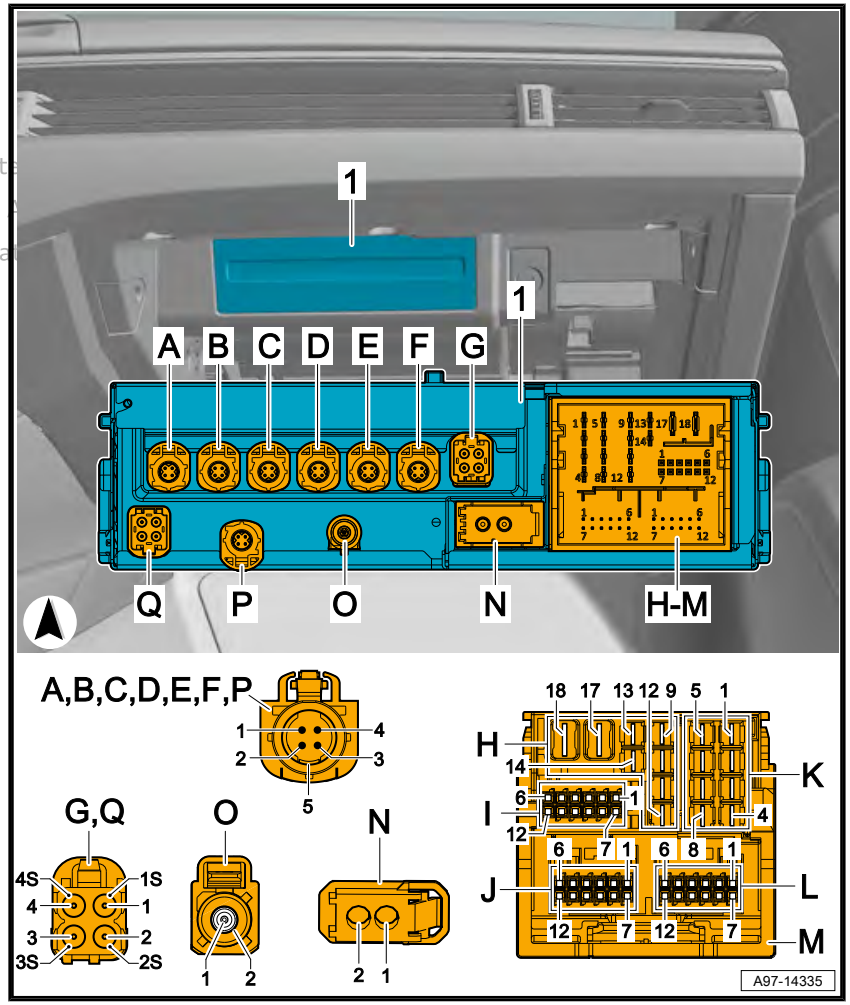

1 - Control unit 1 for information electronics -J794-

A - 5-pin connector -T5ee- , yellow
- ❑ Connection for USB 3

B - 5-pin connector -T5ea- , brown
- ❑ Connection for USB 1 and 2

C - 5-pin connector -T5dz- , black
- ❑ Connection for display

D - 5-pin connector -T5gn- , white
- ❑ Connection for control unit in dash panel insert

E - not assigned

F - 5-pin connector -T5gz- , green
- ❑ Connection for overhead view camera

G - not assigned

H - 8-pin connector -T8bn- , black

I - 12-pin connector -T12ac- , grey

J - 12-pin connector -T12ab- , green

K - 8-pin connector -T8bt- , brown

L - 12-pin connector -T12aa- , blue

M - Terminal block

N - 2-pin connector -T2sy- , black
- ❑ Connection for fibre-optic data bus (MOST bus)

O - 2-pin connector -T2tw- , green
- ❑ Connection for reversing camera

P - 5-pin connector -T5ec- , blue
- ❑ Connection for chip card reader

Q - 8-pin connector -T8bo- , black
- ❑ For American markets
- ❑ Connection for radio aerials

Q - 8-pin connector -T8bn- , blue
- ❑ Not for American markets
- ❑ Connection for radio aerials

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1.20 Fitting location Main beam assist control unit -J844-

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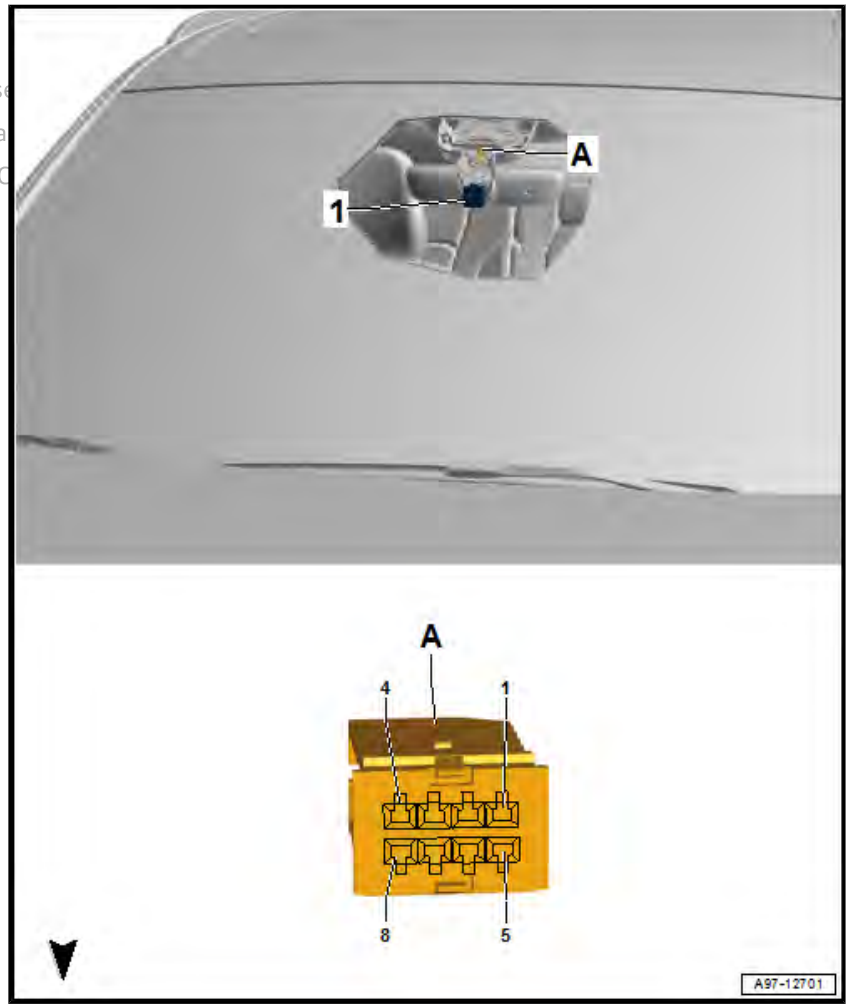
Fitting location

On interior mirror.

1 - Main beam assist control unit -J844-

A - 8-pin connector -T8o- , black



Connector assignment of main beam assist control unit -J844-

-T8o- (A)	Designation		-T8o- (A)	Designation
1	Terminal 15		5	

-T8o- (A)	Designation		-T8o- (A)	Designation
2	Terminal 31		6	
3	Extended CAN bus, high		7	LIN bus
4			8	Extended CAN bus, low

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1.21 Fitting location, control units for front belt tensioners -J854- / -J855-

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Fitting location

On belt retractor in B-pillar.

1 - Control units for front belt tensioners -J854- / -J855-

A - 5-pin connector -T5s- / -T5t- , translucent

- ❑ 5-pin connector -T5s- on control unit for front left belt tensioner -J854-
- ❑ 5-pin connector -T5t- on control unit for front right belt tensioner -J855-

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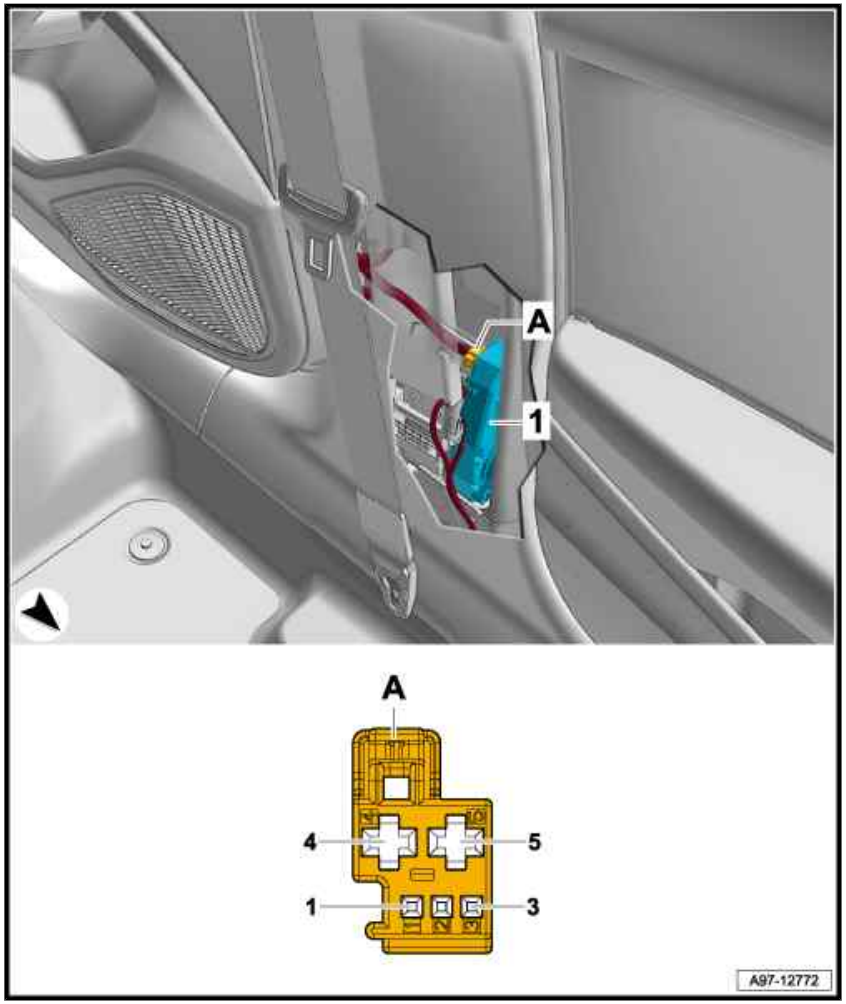

Connector assignment of control unit for front belt tensioner -J854- / -J855-

-T5s- (A)	Designation		-T5t- (A)	Designation
1			1	
2	Extended CAN bus, low		2	Extended CAN bus, low
3	Extended CAN bus, high		3	Extended CAN bus, high
4	Terminal 30		4	Terminal 30

-T5s- (A)	Designation		-T5t- (A)	Designation
5	Terminal 31		5	Terminal 31

Back to overview ⇒ page 1 .

1.22 Fitting location, Control unit for fuel tank leak detection -J909-

Fitting location

On fuel tank.

1 - Control unit for fuel tank leak detection -J909-

A - 5-pin connector -T5sm- , black

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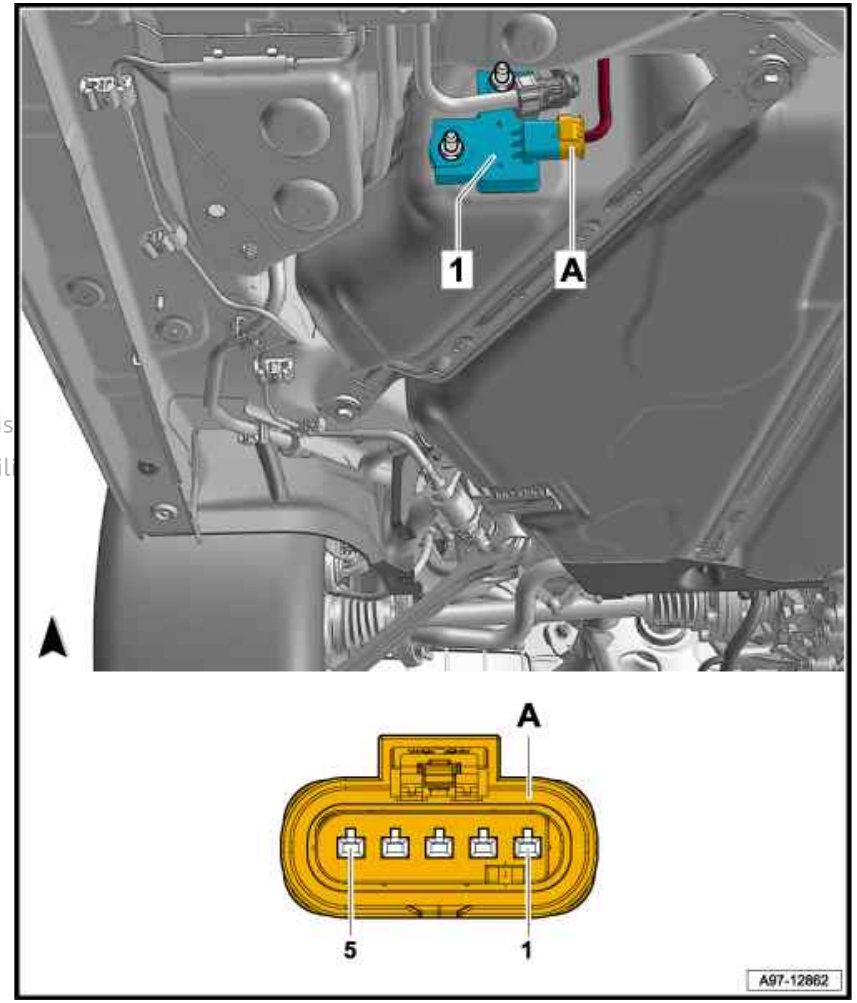

Connector assignment of fuel tank leak diagnosis control unit -J909-

-T5sm- (A)	Designation
1	Tank pressure sensor -G400-
2	Engine control unit -J623-
3	Engine control unit -J623-
4	Terminal 30
5	Tank pressure sensor -G400-

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1.23 Fitting location Rear driver side door control unit -J926-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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Fitting location

in rear driver side door.

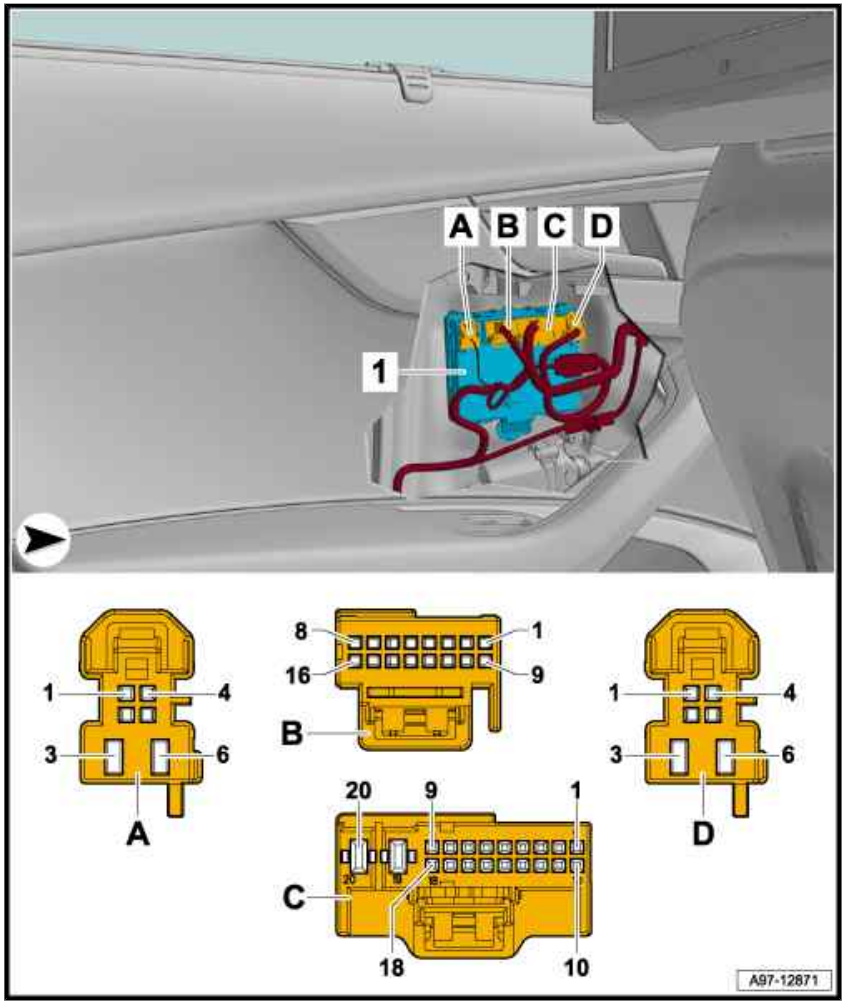
1 - Rear driver side door control unit -J926-

A - 6-pin connector -T6ao- , brown

B - 16-pin connector -T16h- , black

C - 20-pin connector -T20hl- , white

D - 6-pin connector -T6hl- , black



Connector assignment of rear driver side door control unit -J926-

-T6ao- (A)	Designation		-T16h- (B)	Designation
1	Rear driver side door exit warning light -W113-		1	Light for rear driver side interior door handle illumination -L221-
2			2	Terminal 58s
3			3	Light for rear driver side door ambient lighting -W88-
4			4	
5			5	

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-T6ao- (A)	Designation
6	

-T16h- (B)	Designation
6	
7	
8	
9	Rear driver side window regulator button -E711-
10	Rear driver side interior locking button for central locking system -E717-
11	Rear driver side interior locking button for central locking system -E717-
12	Rear driver side entry light -W83-
13	Terminal 31
14	
15	
16	

-T20hl- (C)	Designation
1	Light for rear driver side exterior door handle illumination -L285-
2	
3	
4	Rear door lock unit, driver side -VX83- 1) Rear door lock unit, front passenger side -VX84- 2)
5	Rear door lock unit, driver side -VX83- 1) Rear door lock unit, front passenger side -VX84- 2)
6	Rear door lock unit, driver side -VX83- 1) Rear door lock unit, front passenger side -VX84- 2)
7	
8	
9	Rear door lock unit, driver side -VX83- 1) Rear door lock unit, front passenger side -VX84- 2)
10	LIN bus
11	Rear door lock unit, driver side -VX83- 1) Rear door lock unit, front passenger side -VX84- 2)
12	Rear door lock unit, driver side -VX83- 1) Rear door lock unit, front passenger side -VX84- 2)

-T6hl- (D)	Designation
1	
2	
3	Rear driver side window regulator motor -V471-
4	
5	
6	Rear driver side window regulator motor -V471-

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-T20hl- (C)	Designation		-T6hl- (D)	Designation
13	Rear door lock unit, driver side -VX83- 1) Rear door lock unit, front passenger side -VX84- 2)			
14				
15				
16				
17				
18				
19	Terminal 30			
20	Terminal 31			

1) only on left-hand drive models

2) only on right-hand drive models

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1.24 Fitting location, near field communication control unit -J1169-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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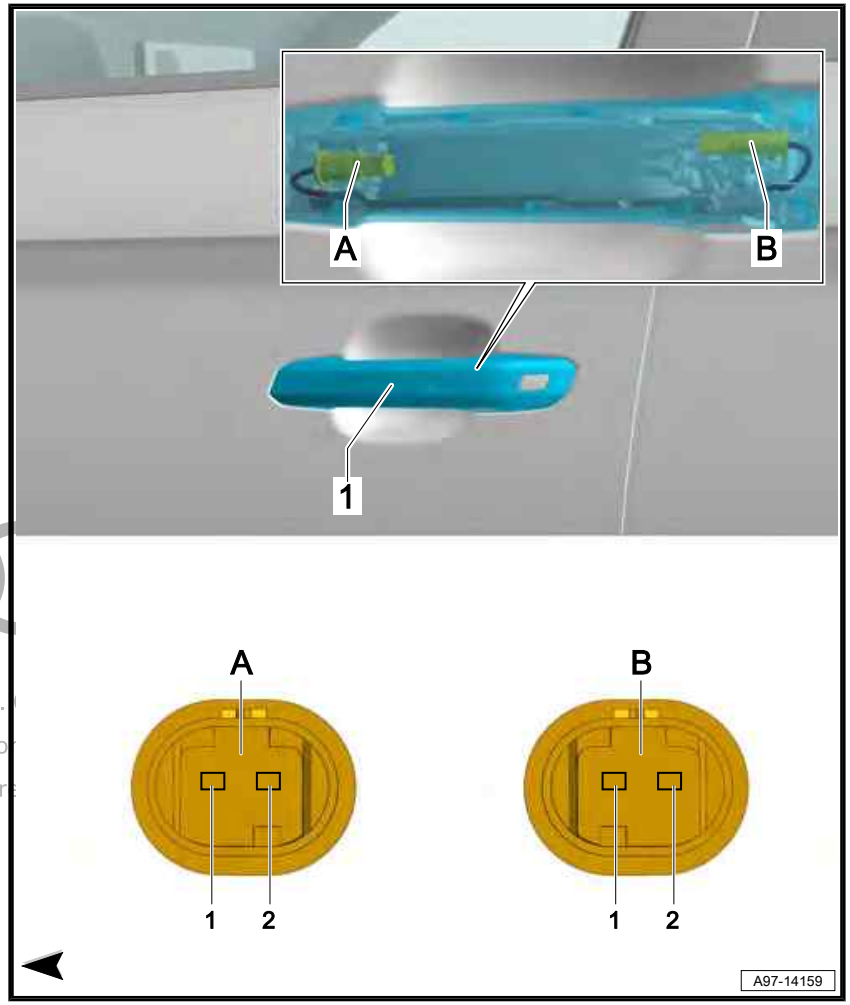
Fitting location

in driver side door.

1 - Near field communication control unit -J1169-

A - 2-pin connector -T2nc- , black

B - 2-pin connector -T2nb- , dark brown



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Connector assignment of near field communication control unit -J1169-

-T2nc- (A)	Designation		-T2nb- (B)	Designation
1	CAN-H		1	VS
2	CAN-L		2	GND

Back to overview ⇒ page 1 .

1.25 Fitting location Rear passenger side door control unit -J927-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

Fitting location

in rear passenger side door.

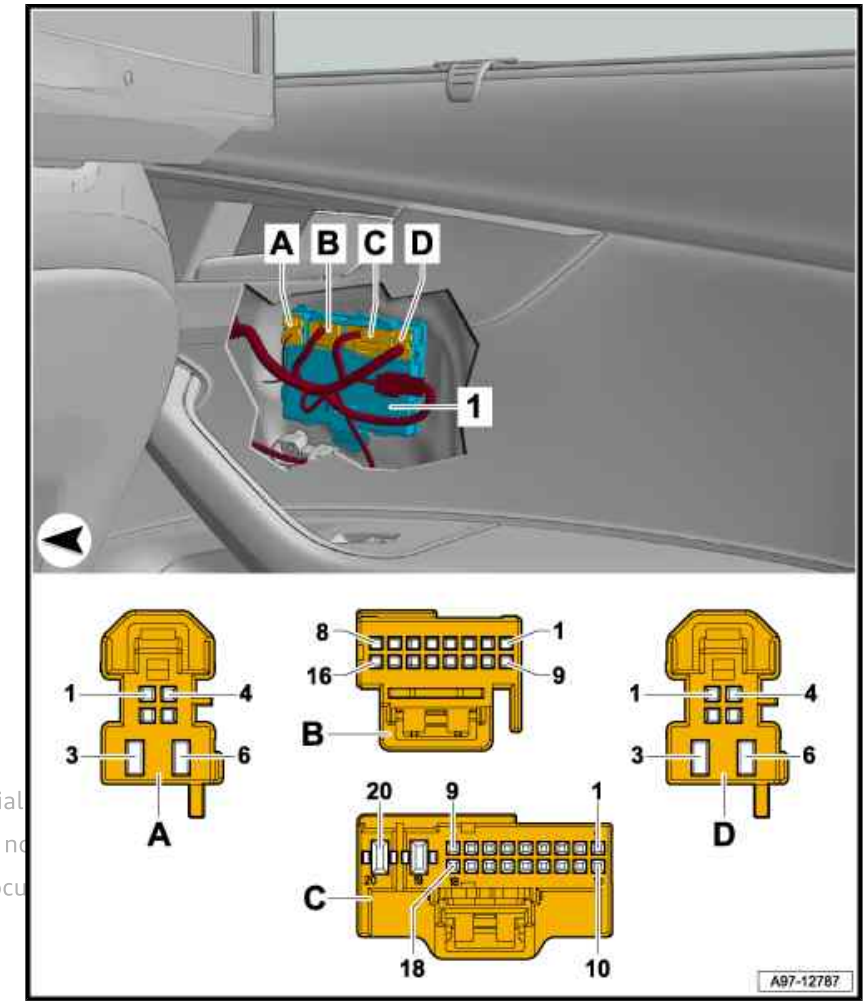
1 - Rear passenger side door control unit -J927-

A - 6-pin connector -T6ap- , brown

B - 16-pin connector -T16i- , black

C - 20-pin connector -T20hr- , white

D - 6-pin connector -T6hr- , black



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Connector assignment of rear passenger side door control unit -J927-

-T6ap- (A)	Designation		-T16i- (B)	Designation
1	Rear passenger side door exit warning light -W114-		1	Light for rear passenger side interior door handle illumination -L222-
2			2	Terminal 58s
3			3	Light for rear passenger side door ambient lighting -W89-
4			4	
5			5	
6			6	
			7	
			8	
			9	Rear passenger side window regulator button -E713-
			10	Rear passenger side interior locking button for central locking system -E718-
			11	Rear passenger side interior locking button for central locking system -E718-
			12	Rear passenger side entry light -W84-
			13	Terminal 31
			14	
			15	
			16	

-T20hr- (C)	Designation		-T6hr- (D)	Designation
1	Light for rear passenger side exterior door handle illumination -L286-		1	
2			2	
3			3	Rear passenger side window regulator motor -V472-
4	Rear door lock unit, front passenger side -VX84- 1) Rear door lock unit, driver side -VX83- 2)		4	
5	Rear door lock unit, front passenger side -VX84- 1) Rear door lock unit, driver side -VX83- 2)		5	
6	Rear door lock unit, front passenger side -VX84- 1) Rear door lock unit, driver side -VX83- 2)		6	Rear passenger side window regulator motor -V472-
7				
8				

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-T20hr- (C)	Designation		-T6hr- (D)	Designation
9	Rear door lock unit, front passenger side -VX84- [1] Rear door lock unit, driver side -VX83- [2]			
10	LIN bus			
11	Rear door lock unit, front passenger side -VX84- [1] Rear door lock unit, driver side -VX83- [2]			
12	Rear door lock unit, front passenger side -VX84- [1] Rear door lock unit, driver side -VX83- [2]			
13	Rear door lock unit, front passenger side -VX84- [1] Rear door lock unit, driver side -VX83- [2]			
14				
15				
16				
17				
18				
19	Terminal 30			
20	Terminal 31			

[1] only on left-hand drive models

[2] only on right-hand drive models

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1.26 Fitting location, front camera for driver assist systems -R242-

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Fitting location

Near interior mirror.

1 - Front camera for driver assist systems -R242-

A - 12-pin connector -T12k- , black

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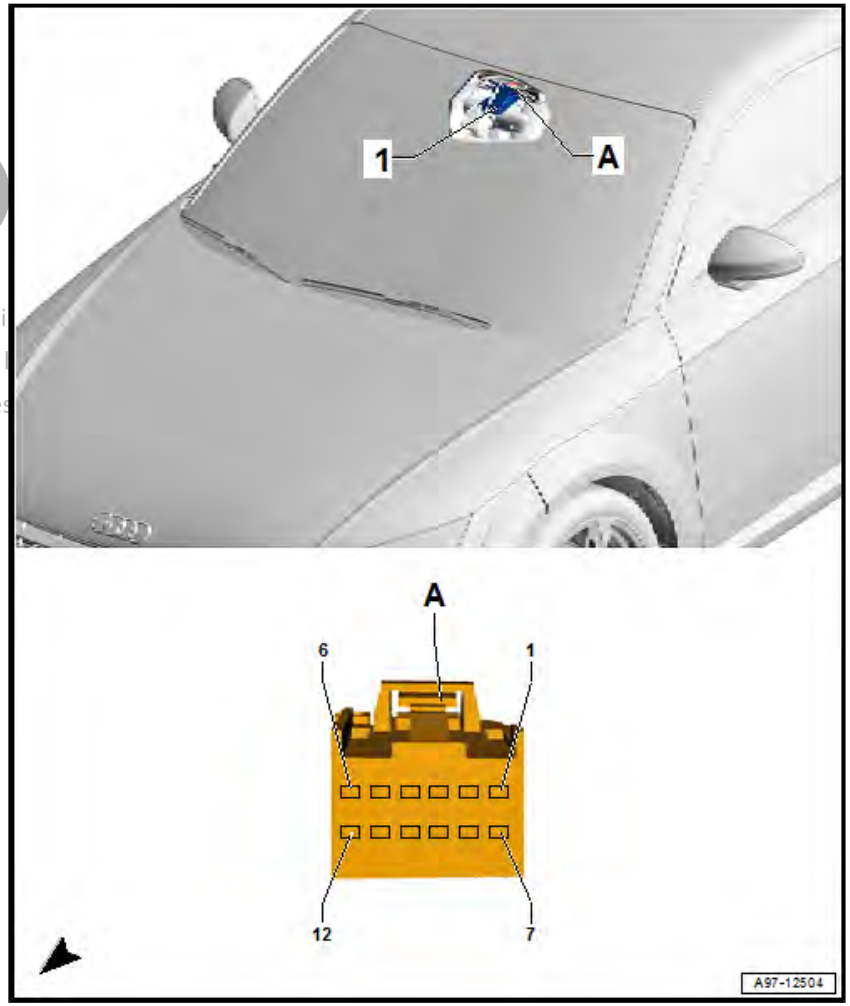

Fitting location, front camera for driver assist systems -R242-

-T12k- (A)	Designation		-T12k- (A)	Designation
1	Onboard supply control unit CAN bus, low		7	Onboard supply control unit CAN bus, high
2	Data bus wire (FlexRay bus)		8	Data bus wire (FlexRay bus)
3	Data bus wire (FlexRay bus)		9	Data bus wire (FlexRay bus)
4			10	
5	Terminal 31		11	

-T12k- (A)	Designation		-T12k- (A)	Designation
6	Terminal 15		12	

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1.27 Fitting location, fresh air blower control unit -J126-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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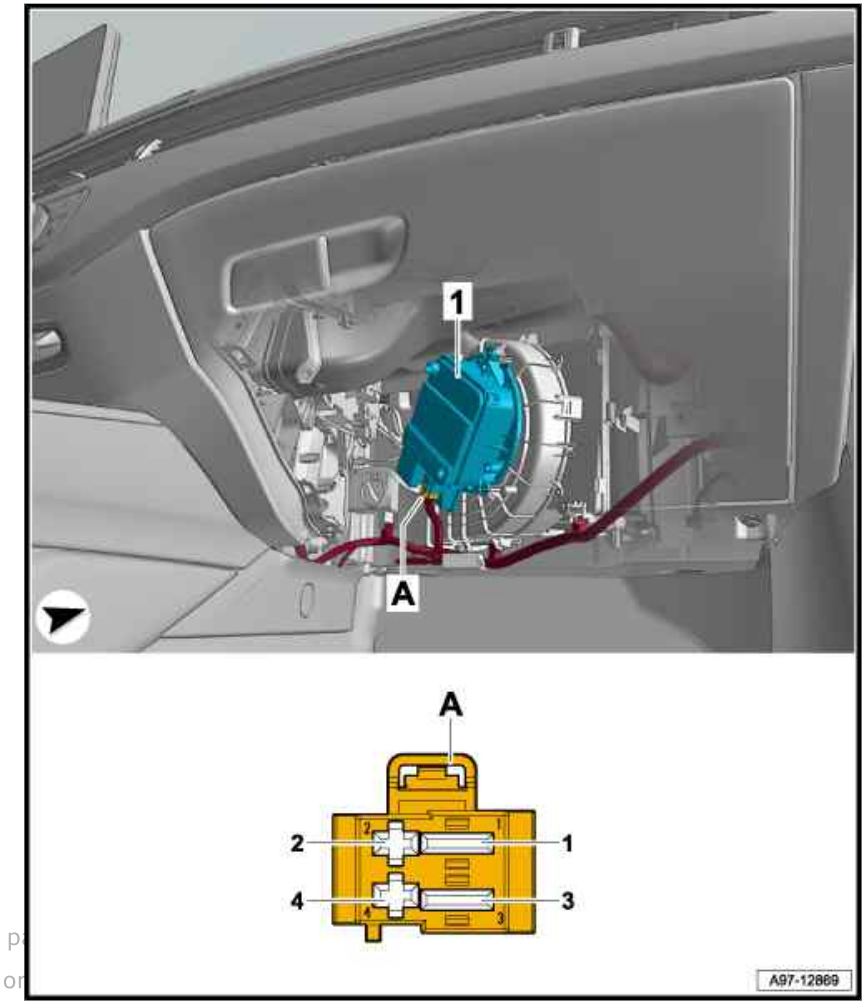
Fitting location

Behind the glove component on front heater and air conditioner unit.

1 - Fresh air blower control unit -J126-

A - 4-pin connector -T4bc- , black



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Connector assignment, fresh air blower control unit -J126-

-T4bc- (A)	Designation
1	Terminal 31
2	
3	Terminal 30
4	LIN bus

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1.28 Fitting location, control unit for NOx sender 2 -J881-

Fitting location

On underbody.

2 - Control unit for NOx sender 2 -J881-

B - 5-pin connector -T5x- , black

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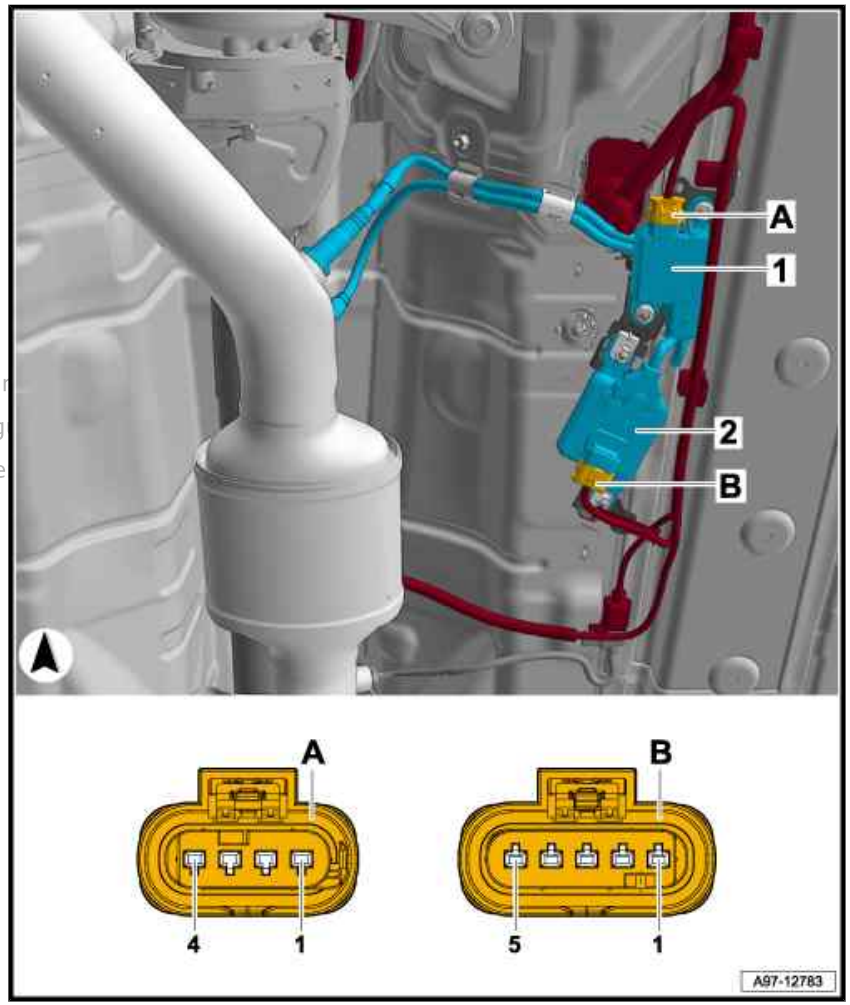

Connector assignment, control unit for NOx sender 2 -J881-

-T5x- (B)	Designation
1	Terminal 87

-T5x- (B)	Designation
2	Terminal 31
3	Powertrain CAN bus, low
4	Powertrain CAN bus, high
5	Terminal 31

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1.29 Fitting location of particle sensor -G784-

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Fitting location

On underbody.

1 - Particulate sensor -G784-

A - 4-pin connector -T4s-, black

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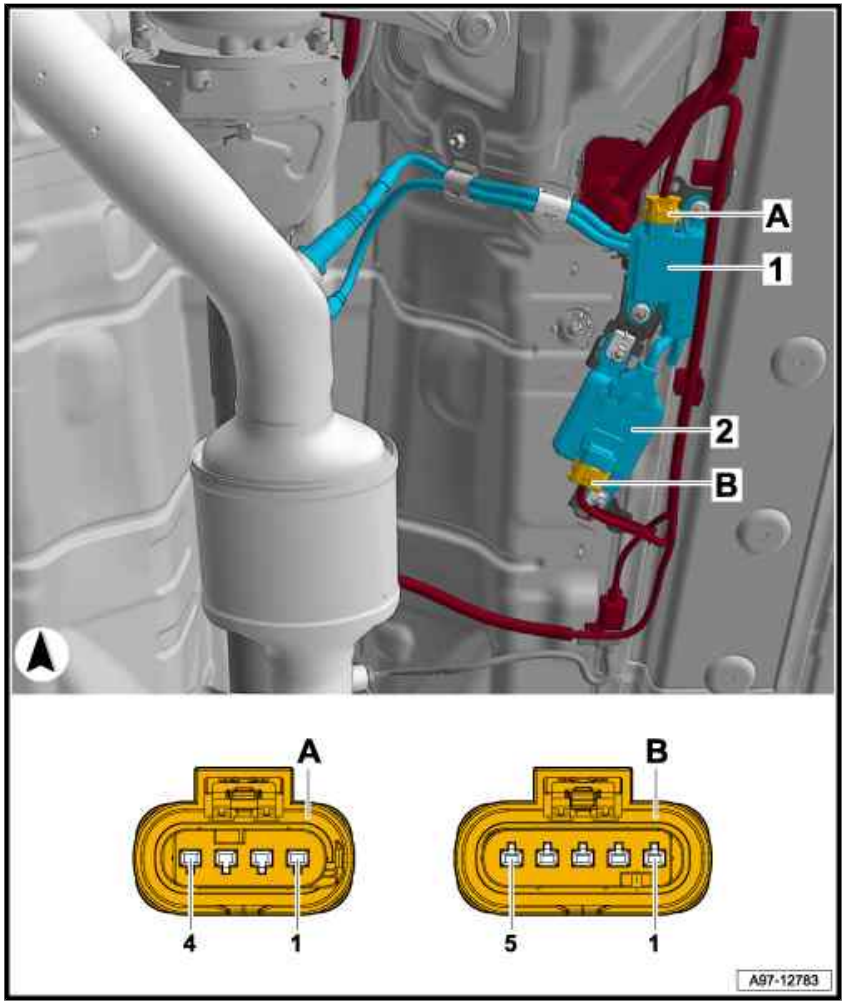

Connector assignment particle sensor -G784-

-T4s- (A)	Designation
1	Terminal 31
2	Powertrain CAN bus, low
3	Powertrain CAN bus, high
4	Terminal 87

Back to overview ⇒ page 1 .

1.30 Control unit for heads-up display -J898-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

Fitting location

In driver side dash panel.

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1 - Control unit for heads-up display -J898-

A - 10-pin connector -T10d- , black

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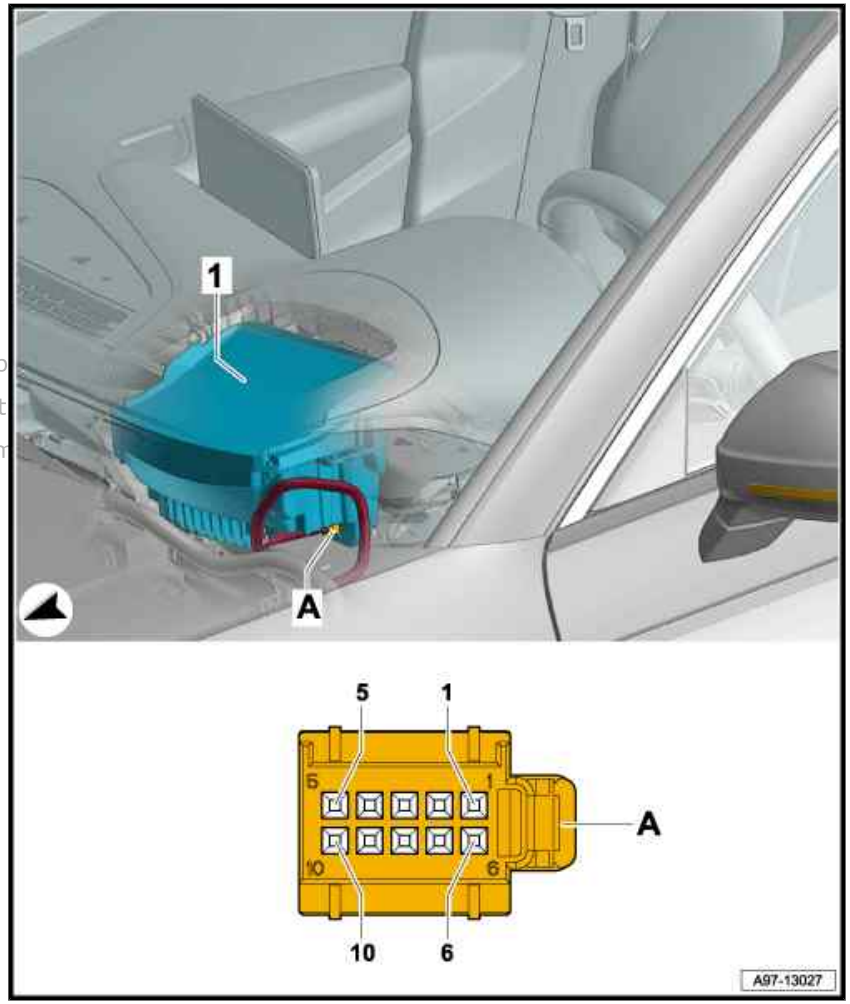

Connector assignment for control unit for heads-up display -J898-

-T10d- (A)	Designation
1	Infotainment CAN bus, high
2	Infotainment CAN bus, low
3	
4	
5	Terminal 30

-T10d- (A)	Designation
6	
7	
8	
9	
10	Terminal 31

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1.31 Display unit for front information display and operating unit control unit -J685-

Fitting location

In centre of dash panel.

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1 - Display unit for front information display and operating unit control unit -J685-

A - 9-pin connector -T9a- , black

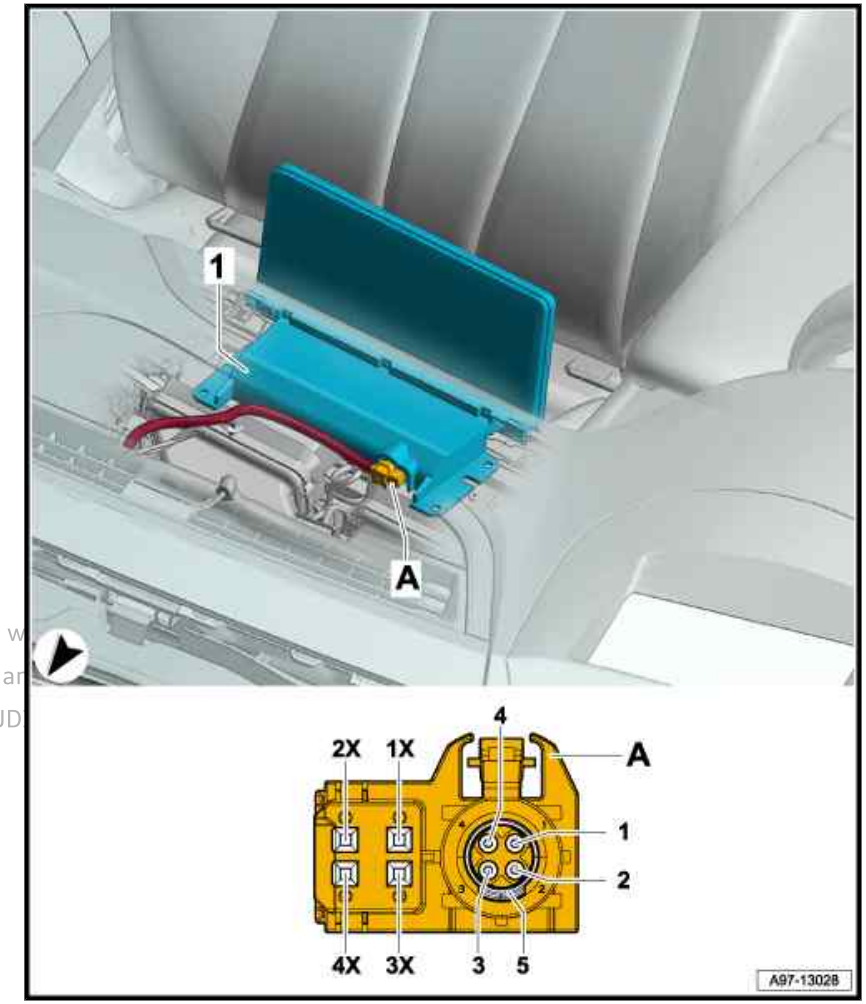
- ❑ Only for MMI with radio
- ❑ Up to September 2019

A - 9-pin connector -T9b- , blue

- ❑ for MMI Navigation plus only
- ❑ Up to September 2019

A - 9-pin connector -T9p- , black

- ❑ from October 2019



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1.32 Active steering control unit -J792-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

Fitting location

In driver footwell.

1 - Active steering control unit -J792-

A - 30-pin connector -T30- , black

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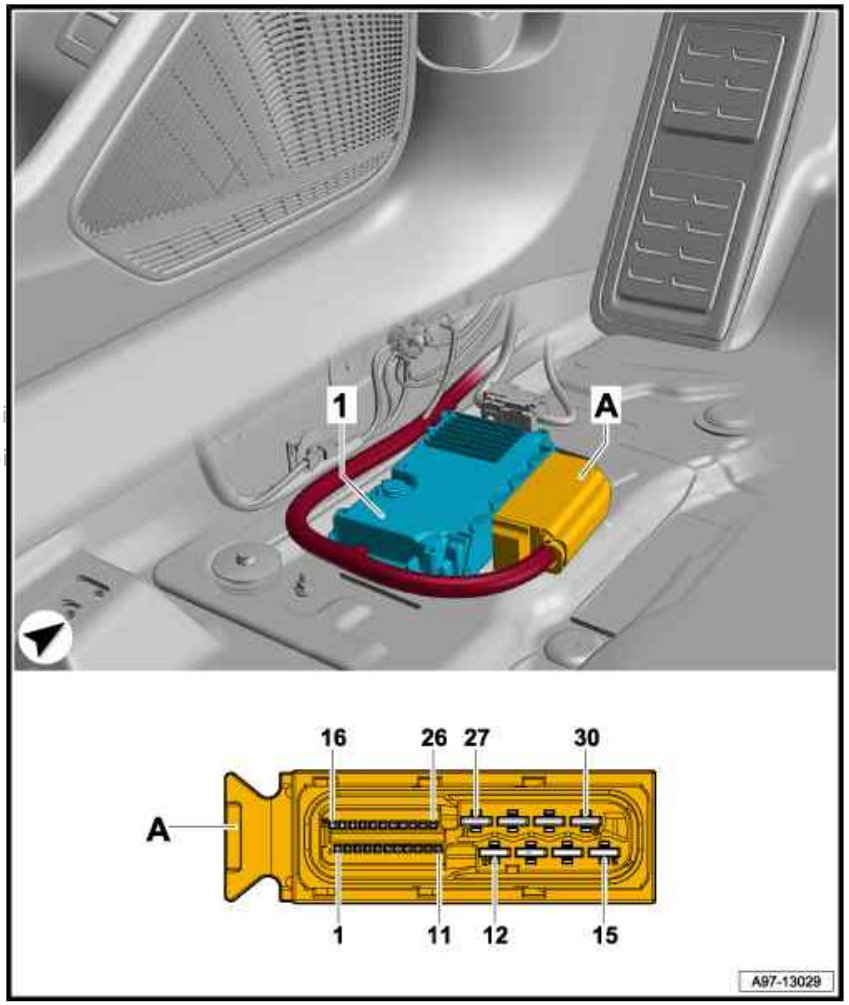

Connector assignment, active steering control unit -J792-

-T30- (A)	Designation		-T30- (A)	Designation
1	Terminal 15		16	
2			17	

-T30- (A)	Designation		-T30- (A)	Designation
3	Data bus wire (FlexRay bus)		18	Data bus wire (FlexRay bus)
4	Data bus wire (FlexRay bus)		19	Data bus wire (FlexRay bus)
5			20	
6	Active steering motor -V477-		21	Active steering motor -V477-
7			22	
8	Active steering motor -V477-		23	Active steering motor -V477-
9	Active steering motor -V477-		24	Active steering motor -V477-
10	Active steering motor -V477-		25	
11			26	Active steering motor -V477-
12			27	Terminal 30
13	Terminal 31		28	
14	Active steering motor -V477-		29	Shield
15	Active steering motor -V477-		30	Active steering motor -V477-

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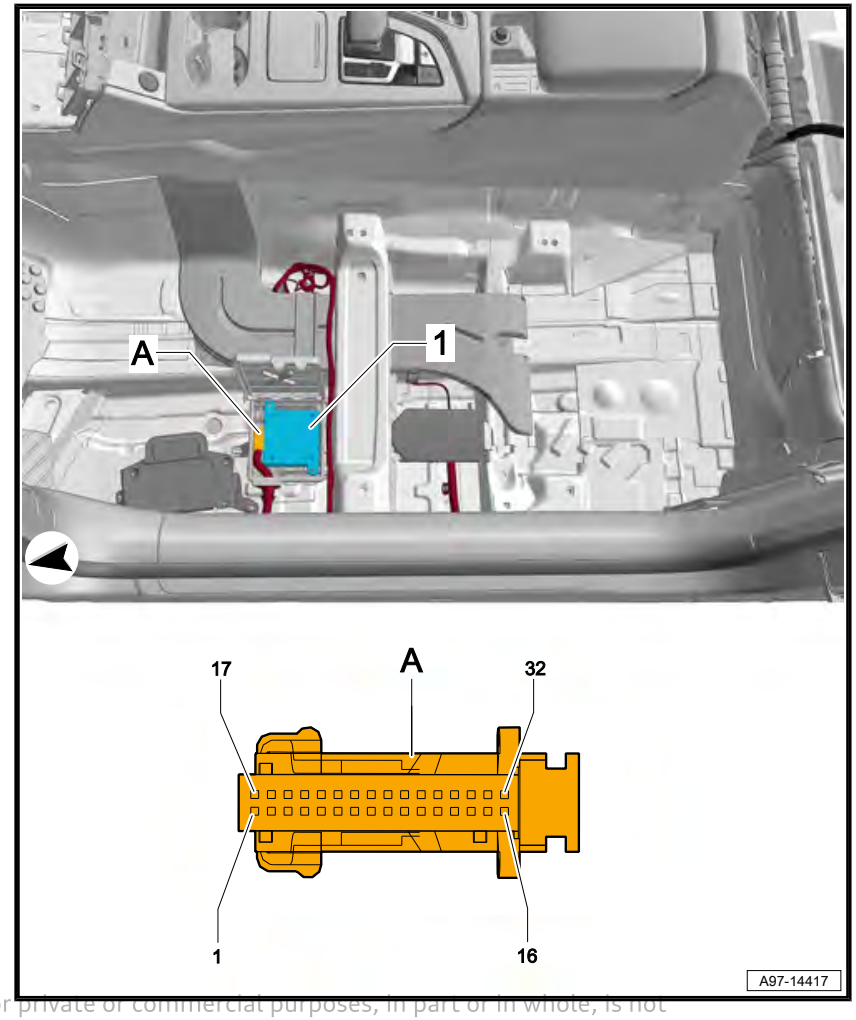
1.33 Control unit for seat belt microphone -J886-

Fitting location

Under left front seat.

1 - Control unit for seat belt microphone -J886-

A - 32-pin connector -T32h- , black



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Connector assignment, control unit for seat belt microphone -J886-

-T32h- (A)	Designation		-T32h- (A)	Designation
1	Front right microphone -R141- 1) 3) Emergency call module control unit and communication unit -J949- 1) 4) Data bus diagnostic interface -J533- 1) 5)		17	Front right microphone -R141- 1) 3) Emergency call module control unit and communication unit -J949- 1) 4) Data bus diagnostic interface -J533- 1) 5)
2	Driver side belt force limiter -G551-		18	Front passenger side belt force limiter -G552-
3	Driver side belt force limiter -G551-		19	Front passenger side belt force limiter -G552-

-T32h- (A)	Designation		-T32h- (A)	Designation
4	Driver side belt force limiter -G551-		20	Front passenger side belt force limiter -G552-
5	Shield		21	Shield
6	Driver side belt force limiter -G551-		22	Front passenger side belt force limiter -G552-
7	Driver side belt force limiter -G551-		23	Front passenger side belt force limiter -G552-
8	Terminal 31		24	
9	Control unit for information electronics 1 -J794- 1) Emergency call module control unit and communication unit -J949- 2)		25	Control unit for information electronics 1 -J794- 1) Emergency call module control unit and communication unit -J949- 2)
10	Control unit for information electronics 1 -J794- 1) Emergency call module control unit and communication unit -J949- 2)		26	Control unit for information electronics 1 -J794- 1) Emergency call module control unit and communication unit -J949- 2)
11			27	
12			28	
13			29	
14	V54 Connection 1 (telephone) in main wiring harness		30	
15			31	
16	A178 Connection (infotainment CAN bus, high), in dash panel wiring harness		32	A179 Connection (Infotainment CAN bus, low), in dash panel wiring harness

- 1) To September 2019
- 2 From October 2019
- 3) For models without emergency call module
- 4) For models with emergency call module
- 5) According to equipment

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1.34 Chip card reader control unit -J676-

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Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

Fitting location

In glove compartment.

1 - Chip card reader control unit -J676-

A - 2-pin connector -T2ig- , yellow

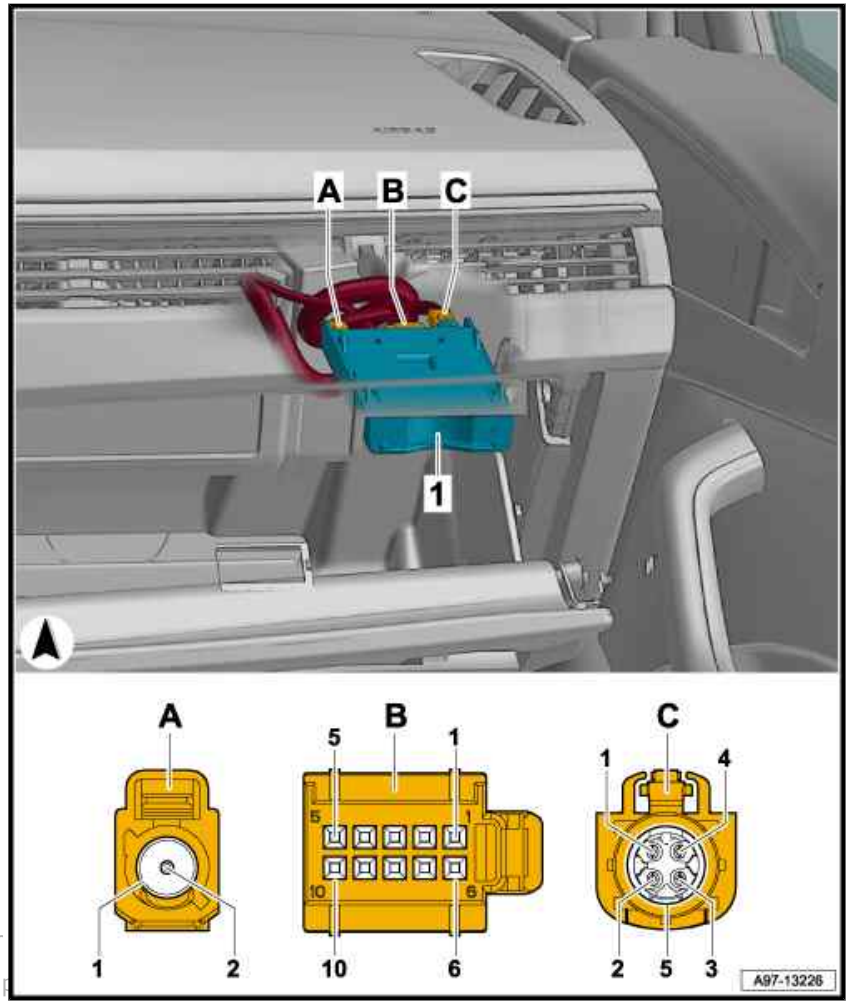
B - 10-pin connector -T10x- , black

C - 4-pin connector -T4fu- , brown

- ❑ Connection for USB
- ❑ Up to September 2019

C - 5-pin connector -T5dk- , brown

- ❑ Connection for USB
- ❑ from October 2019



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1 Control units in rear part of vehicle

1.1 Overview of control units in rear part of vehicle (Coupé or Sportback)

Note

Overview of control units (Cabriolet) ⇒ *page 5*

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1 - Aerial amplifier for mobile telephone -R86-
- ❑ Overview (Cabriolet): ⇒ item 1 (page 5)
- ❑ Fitting location ⇒ page 39
- ❑ Connector assignment ⇒ page 40

2 - Remote control receiver for auxiliary heater -R64-
- ❑ Fitting location ⇒ page 35
- ❑ Connector assignment up to June 2018 ⇒ page 36
- ❑ Connector assignment from June 2018 ⇒ page 37

3 - TV tuner -R78-
- ❑ Overview (Cabriolet): ⇒ item 2 (page 5)
- ❑ Fitting location ⇒ page 37
- ❑ Connector assignment ⇒ page 38

4 - Voltage converter, 48 V/12 V -A7-
- ❑ Fitting location ⇒ page 56
- ❑ Connector assignment ⇒ page 57

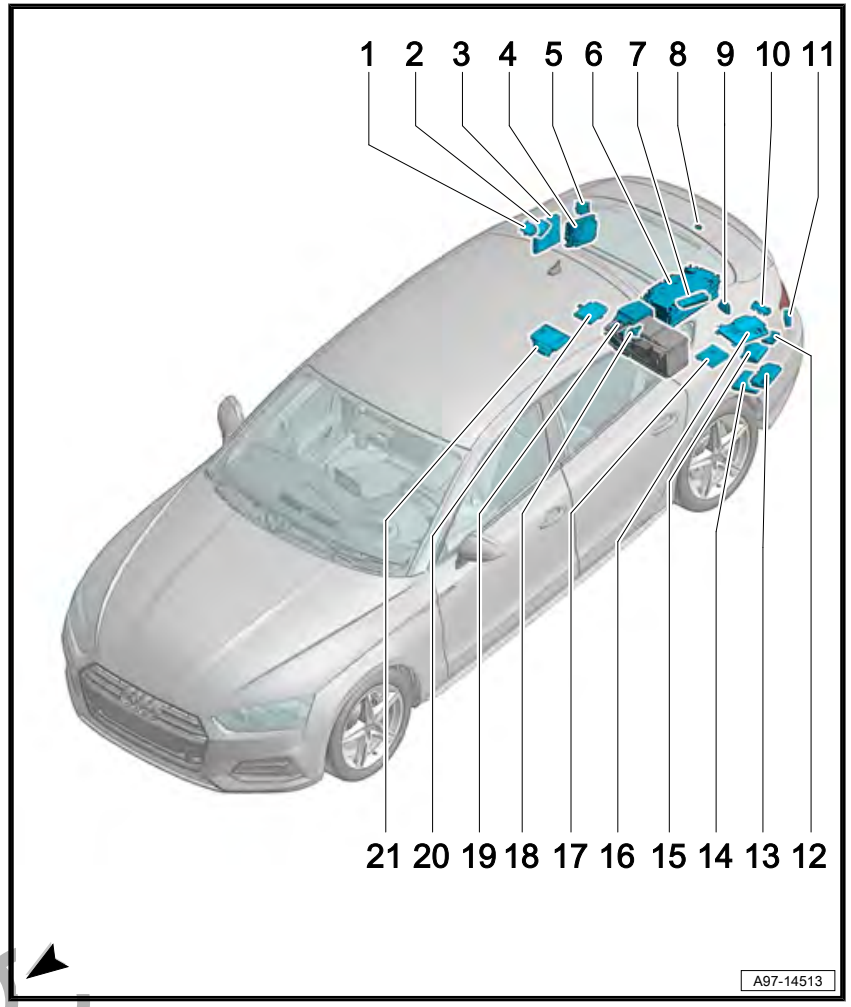
5 - Lane change assist control unit -J769-
- ❑ Overview (Cabriolet): ⇒ item 3 (page 5)
- ❑ Fitting location ⇒ page 23
- ❑ Connector assignment ⇒ page 24

6 - Battery 48 V -A6-
- ❑ Fitting location ⇒ page 54
- ❑ Connector assignment ⇒ page 55

7 - Rear lid control unit -J605-
- ❑ Fitting location ⇒ page 22
- ❑ Connector assignment ⇒ page 23

8 - Reversing camera system control unit -J772-
- ❑ Overview (Cabriolet): ⇒ item 5 (page 5)
- ❑ Fitting location ⇒ page 26
- ❑ Connector assignment ⇒ page 27

9 - Garage door operation control unit -J530-
- ❑ Overview (Cabriolet): ⇒ item 4 (page 5)
- ❑ Fitting location ⇒ page 20
- ❑ Connector assignment ⇒ page 21



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10 - Rear lid power opening control unit -J938-

- Fitting location up to September 2019 ⇒ page 32
- Fitting location from October 2019 ⇒ page 34
- Connector assignment up to September 2019 ⇒ page 33
- Connector assignment from October 2019 ⇒ page 35

11 - Lane change assist control unit 2 -J770-

- Overview (Cabriolet): ⇒ item 8 (page 5)
- Fitting location ⇒ page 25
- Connector assignment ⇒ page 26

12 - Engine sound generator control unit -J943-

- Overview (Cabriolet): ⇒ item 6 (page 5)
- Fitting location ⇒ page 44
- Connector assignment ⇒ page 44

13 - Control unit for overhead view camera -J928-

- Overview (Cabriolet): ⇒ item 12 (page 6)
- Fitting location ⇒ page 30
- Connector assignment ⇒ page 31

14 - Convenience system central control unit -J393-

- Overview (Cabriolet): ⇒ item 13 (page 6)
- Fitting location ⇒ page 8
- Connector assignment ⇒ page 9

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15 - Trailer detector control unit -J345-

- Overview (Cabriolet): ⇒ item 11 (page 6)
- Fitting location ⇒ page 7
- Connector assignment ⇒ page 7

16 - Special vehicle control unit -J608-

- Overview (Cabriolet): ⇒ item 7 (page 5)
- Fitting location ⇒ page 49
- Connector assignment ⇒ page 50

16 - Digital sound package control unit -J525-

- Overview (Cabriolet): ⇒ item 9 (page 6)
- Fitting location ⇒ page 14
- Connector assignment up to September 2019 ⇒ page 15
- Connector assignment from October 2019 ⇒ page 16

17 - Emergency call module control unit and communication unit -J949-

- Overview (Cabriolet): ⇒ item 17 (page 6)
- Fitting location ⇒ page 58
- Connector assignment up to September 2019 ⇒ page 59
- Connector assignment from October 2019 ⇒ page 60

18 - Battery monitor control unit -J367-

- Overview (Cabriolet): ⇒ item 14 (page 6)
- Fitting location ⇒ page 42
- Connector assignment ⇒ page 43

19 - Second battery -A1-

- Fitting location ⇒ page 45

20 - Differential lock control unit -J187-

- Overview (Cabriolet): ⇒ item 15 (page 6)
- Fitting location ⇒ page 12
- Connector assignment ⇒ page 13

21 - Control unit for reducing agent metering system -J880-

- Overview (Cabriolet): ⇒ item 16 (page 6)
- Fitting location ⇒ page 28
- Connector assignment ⇒ page 29

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1.2 Overview of control units in rear part of vehicle (Cabriolet)

Note

Overview of control units (Coupé or Sportback) ⇒ page 1

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1 - Aerial amplifier for mobile telephone -R86-
- ❑ Fitting location ⇒ page 41
- ❑ Connector assignment ⇒ page 41

2 - TV tuner -R78-
- ❑ Fitting location ⇒ page 37
- ❑ Connector assignment ⇒ page 38

3 - Lane change assist control unit -J769-
- ❑ Fitting location ⇒ page 23
- ❑ Connector assignment ⇒ page 24

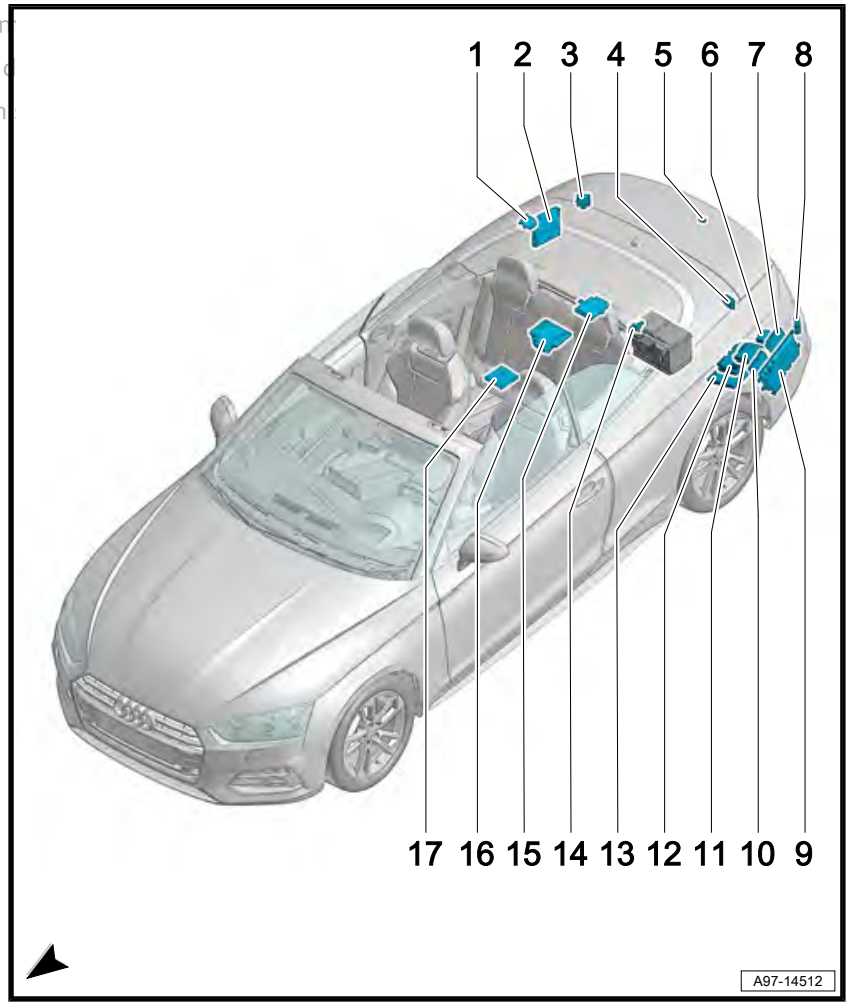
4 - Garage door operation control unit -J530-
- ❑ Fitting location ⇒ page 20
- ❑ Connector assignment ⇒ page 21

5 - Reversing camera system control unit -J772-
- ❑ Fitting location ⇒ page 26
- ❑ Connector assignment ⇒ page 27

6 - Engine sound generator control unit -J943-
- ❑ Fitting location ⇒ page 44
- ❑ Connector assignment ⇒ page 44

7 - Special vehicle control unit -J608-
- ❑ Fitting location ⇒ page 52
- ❑ Connector assignment ⇒ page 53

8 - Lane change assist control unit 2 -J770-
- ❑ Fitting location ⇒ page 25
- ❑ Connector assignment ⇒ page 26



9 - Digital sound package control unit -J525-

- Fitting location ⇒ page 17
- Connector assignment up to September 2019 ⇒ page 18
- Connector assignment from October 2019 ⇒ page 19

10 - Convertible roof actuation control unit -J256-

- Fitting location ⇒ page 47
- Connector assignment ⇒ page 47

11 - Trailer detector control unit -J345-

- Fitting location ⇒ page 7
- Connector assignment ⇒ page 7

12 - Control unit for overhead view camera -J928-

- Fitting location ⇒ page 30
- Connector assignment ⇒ page 31

13 - Convenience system central control unit -J393-

- Fitting location ⇒ page 8
- Connector assignment ⇒ page 9

14 - Battery monitor control unit -J367-

- Fitting location ⇒ page 42
- Connector assignment ⇒ page 43

15 - Differential lock control unit -J187-

- Fitting location ⇒ page 12
- Connector assignment ⇒ page 13

16 - Control unit for reducing agent metering system -J880-

- Fitting location ⇒ page 28
- Connector assignment ⇒ page 29

17 - Emergency call module control unit and communication unit -J949-

- Fitting location ⇒ page 61
- Connector assignment up to September 2019 ⇒ page 59
- Connector assignment from October 2019 ⇒ page 60

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1.3 Fitting location, trailer detector control unit -J345-

Fitting location

on left in luggage compartment, behind the side trim.

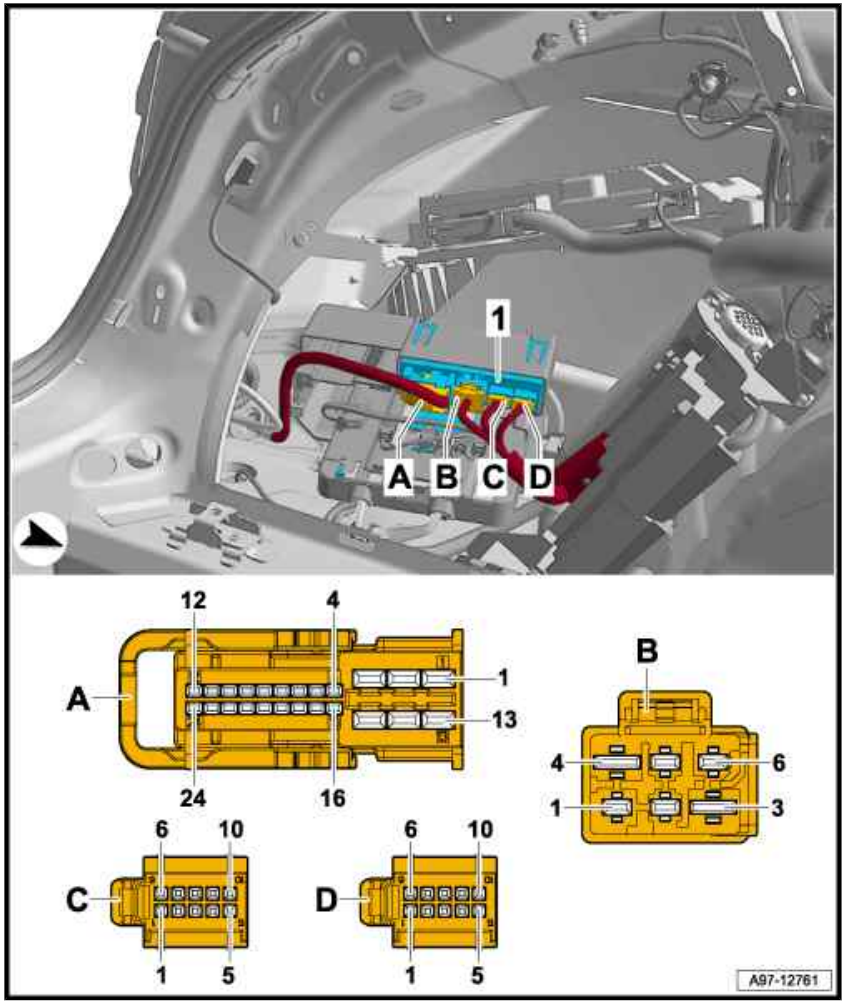
1 - Trailer detector control unit -J345-

A - 24-pin connector -T24- , black

B - 6-pin connector -T6e- , black

C - 10-pin connector -T10i- , black

D - 10-pin connector -T10k- , red



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Connector assignment, trailer detector control unit -J345-

-T24- (A)	Designation		-T24- (A)	Designation		-T24- (A)	Designation
1	Trailer socket -U10-		9			17	
2	Trailer socket -U10-		10			18	Trailer socket -U10-
3	Trailer socket -U10-		11			19	Trailer socket -U10-

-T24- (A)	Designation		-T24- (A)	Designation		-T24- (A)	Designation
4			12	Trailer socket -U10-		20	
5	Hinged tow attachment ball head motor -V317-		13	Hinged tow attachment ball head motor -V317-		21	
6			14	Hinged tow attachment ball head motor -V317-		22	
7	Hinged tow attachment ball head motor -V317-		15	Trailer socket -U10-		23	Trailer socket -U10-
8			16			24	Trailer socket -U10-

-T6e- (B)	Designation		-T10i- (C)	Designation		-T10k- (D)	Designation
1	Terminal 30		1	Terminal 15		1	Towing bracket release button -E754-
2	Terminal 31		2	Brake light switch -F-		2	
3	Terminal 30		3	Convenience CAN bus, high		3	Towing bracket release button -E754-
4	Terminal 30		4	Convenience CAN bus, low		4	Towing bracket release button -E754-
5	Terminal 30		5			5	
6	Terminal 30		6			6	
			7			7	
			8			8	Towing bracket release button -E754-
			9			9	
			10			10	Hinged tow attachment ball head motor -V317-

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1.4 Fitting location, convenience system central control unit -J393-

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Fitting location

In left of luggage compartment, behind side trim.

1 - Convenience system central control unit -J393-

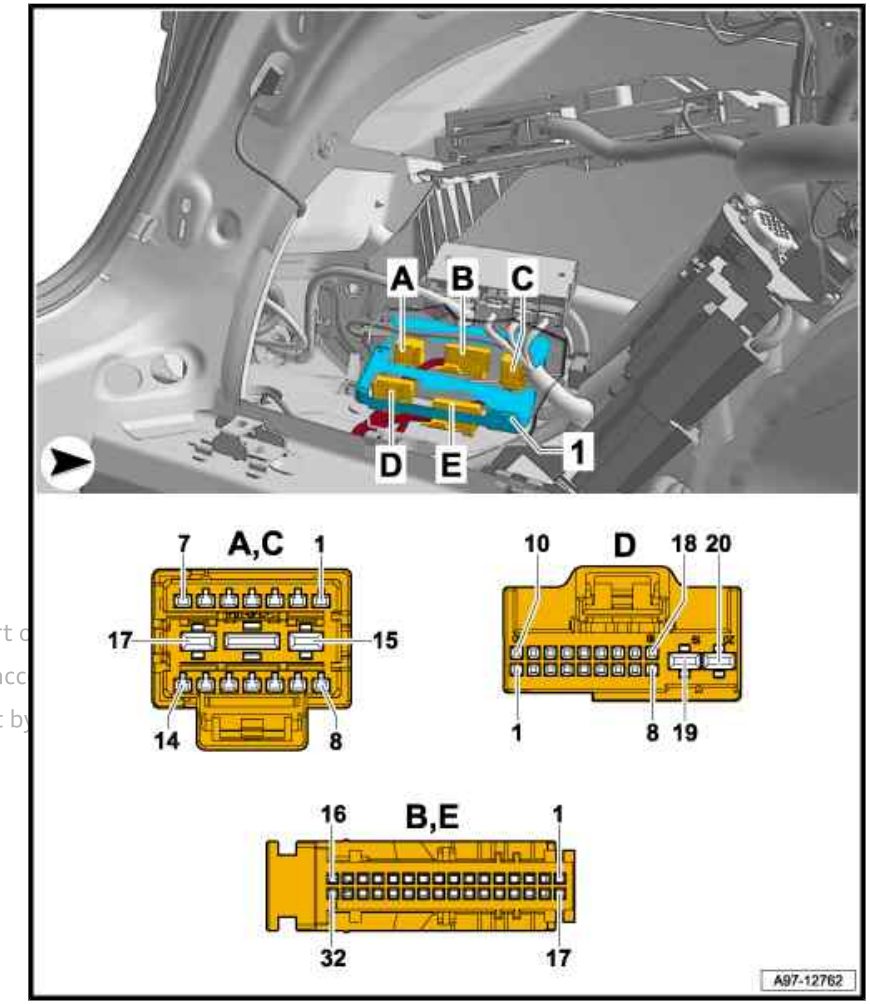
A - 17-pin connector -T17a- (connector A), brown

B - 32-pin connector -T32c- (connector C), black

C - 17-pin connector -T17b- (connector B), black

D - 20-pin connector -T20e- (connector E), black

E - 32-pin connector -T32d- (connector D), blue



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Connector assignment, convenience system central control unit -J393-

-T17a- (A)	Designation		-T32c- (B)	Designation		-T17b- (C)	Designation
1	Right reversing light bulb -M17-		1	Left number plate light -X4- Right number plate light -X5-		1	Rear right turn signal bulb -M8-
2	Rear left turn signal bulb -M6-		2			2	Left tail light bulb 2 -M49- or left tail light bulb -M4-

-T17a- (A)	Designation		-T32c- (B)	Designation		-T17b- (C)	Designation
3	Rear right side marker bulb -M38- or right tail light bulb -M2- (LED)		3			3	Left reversing light bulb -M16-
4	Rear left turn signal bulb -M6- Left brake light and turn signal bulb -M56- or left brake light bulb -M9- (LED)		4			4	Rear left side marker bulb -M37- or left tail light bulb -M4- (LED)
5	Terminal 58s		5	Rear lid power opening control unit -J938- / LIN bus		5	Bulb 2 for rear right turn signal -M81-
6	Rear right fog light bulb -L47-		6			6	Rear left fog light bulb -L46-
7	Right tail light bulb 2 -M50- or right tail light bulb -M2-		7			7	Rear right turn signal bulb -M8- Right brake light and turn signal bulb -M57- or right brake light bulb -M10- (LED)
8			8			8	Rear lid power opening control unit -J938- / terminal 30
9			9			9	
10			10	Terminal 50		10	
11			11			11	
12			12	Brake light switch -F- Engine control unit -J623-		12	
13			13	Rear left vehicle level sender -G76-		13	
14	Bulb 2 for rear left turn signal -M80-		14	Front left vehicle level sender -G78-		14	
15	Terminal 31		15	Front left vehicle level sender -G78-		15	Terminal 31
16	Terminal 30		16	High-level brake light bulb -M25-		16	Terminal 30
17	Terminal 30		17	Terminal 15		17	
			18	Terminal 15 voltage supply relay -J329-			
			19	Anti-theft alarm sensor -G578- / LIN bus			
			20	Alarm horn -H12- / LIN bus			
			21	Front left vehicle level sender -G78-			
			22				
			23				
			24				
			25				
			26				
			27				
			28				
			29	Rear left vehicle level sender -G76-			

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-T17a- (A)	Designation		-T32c- (B)	Designation		-T17b- (C)	Designation
			30	Tank filler flap locking motor -V155-			
			31	Tank filler flap locking motor -V155-			
			32	Heated rear window relay -J9-			

-T20e- (D)	Designation		-T32d- (E)	Designation		-T32d- (E)	Designation
1	Interior aerial 1 for entry and start system -R138-		1	Convenience CAN bus, low		17	
2	Left aerial for entry and start authorisation -R200-		2	Convenience CAN bus, high		18	
3	Left aerial for entry and start authorisation -R200-		3			19	
4			4			20	Rear left vehicle level sender -G76-
5			5	Fuel gauge sender -G-		21	Fuel gauge sender -G-
6			6	Fuel level sender 2 -G169-		22	Fuel level sender 2 -G169-
7	Luggage compartment aerial for entry and start system -R137-		7			23	
8	Luggage compartment aerial for entry and start system -R137-		8			24	
9			9	Fuel gauge sender -G-		25	Entry and start authorisation button -E408-
10	Interior aerial 1 for entry and start system -R138-		10	Entry and start authorisation button -E408-		26	Entry and start authorisation button -E408-
11	Rear lid central locking motor -V53-		11			27	
12	Contact sensor for rear right exterior door handle -G418-		12	Rear left side window glass breakage sensor -G183- Rear right side window glass breakage sensor -G184- Rear window glass breakage sensor -G304-		28	Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system -F124-
13	Contact sensor for rear left exterior door handle -G417-		13			29	
14	Contact sensor for front right exterior door handle -G606-		14			30	Rear lid handle release button -E234-
15	Contact sensor for front left exterior door handle -G605-		15	Rear lid contact switch for anti-theft alarm -F123-		31	
16			16			32	

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-T20e- (D)	Designation	-T32d- (E)	Designation	-T32d- (E)	Designation
17					
18					
19					
20					

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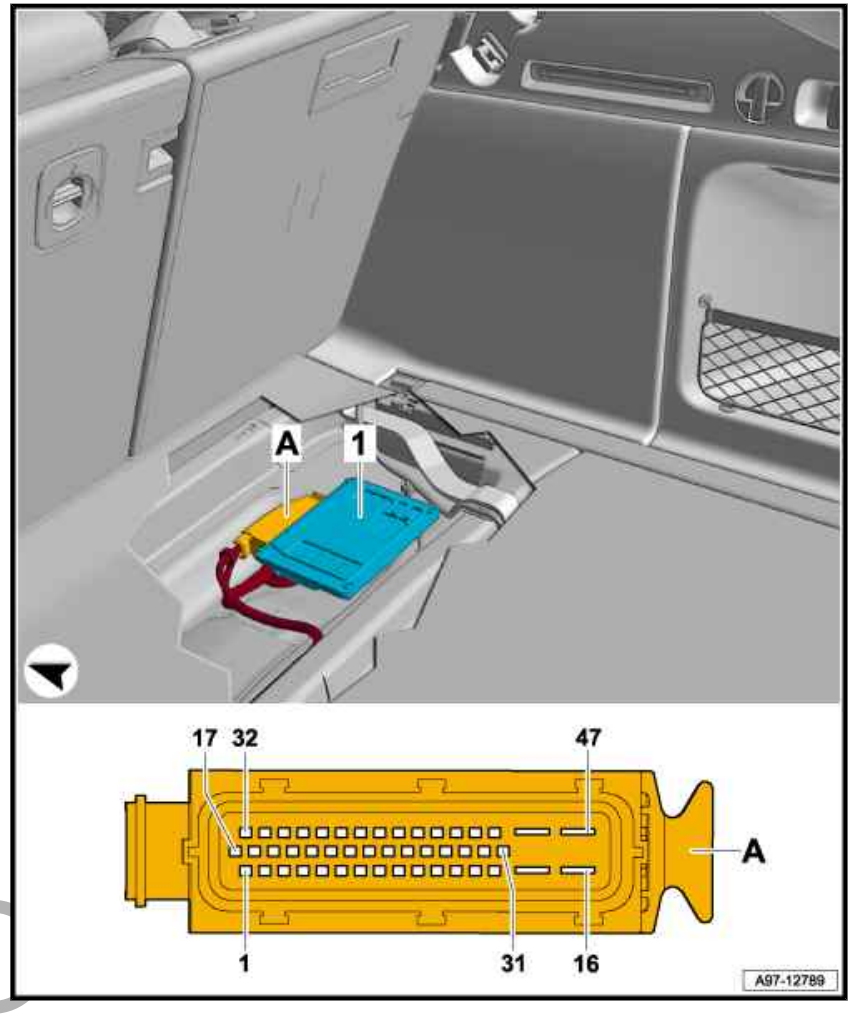
1.5 Fitting location, differential lock control unit -J187-

Fitting location

In luggage compartment.

1 - Differential lock control unit -J187-

A - 47-pin connector -T47a- , black



Connector assignment, thermal management control unit -J187-

-T47a- (A)	Designation		-T47a- (A)	Designation		-T47a- (A)	Designation
1	Oil pressure and oil temperature sender -G437-		17	Oil pressure and oil temperature sender -G437-		33	
2			18	Oil pressure and oil temperature sender -G437-		34	

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-T47a- (A)	Designation	-T47a- (A)	Designation	-T47a- (A)	Designation
3		19		35	Oil pressure and oil temperature sender 2 -G640-
4	Oil pressure and oil temperature sender 2 -G640-	20	Oil pressure and oil temperature sender 2 -G640-	36	
5		21	Oil pressure and oil temperature sender 2 -G640-	37	
6		22		38	
7		23		39	
8		24		40	Data bus wire (FlexRay bus)
9		25		41	Data bus wire (FlexRay bus)
10		26		42	Data bus wire (FlexRay bus)
11		27		43	Data bus wire (FlexRay bus)
12		28	Terminal 15	44	Clutch valve 2 for all-wheel drive -N446-
13	Clutch valve for all-wheel drive -N445-	29		45	Clutch valve 2 for all-wheel drive -N446-
14	Clutch valve for all-wheel drive -N445-	30		46	Terminal 30
15	All-wheel drive pump -V415-	31		47	Terminal 31
16	All-wheel drive pump -V415-	32	Oil pressure and oil temperature sender -G437-		

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1.6 Fitting location, digital sound package control unit -J525-

1.6.1 Fitting location, digital sound package control unit -J525- (Coupé or Sportback)

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Fitting location

At the rear left of the luggage compartment.

1 - Digital sound package control unit -J525-

A - 38-pin connector -T38- , black

- ❑ Up to September 2019

A - 38-pin connector -T38a- , black

- ❑ from October 2019

B - 2-pin connector -T2vb- , black

- ❑ MOST bus
- ❑ Up to September 2019

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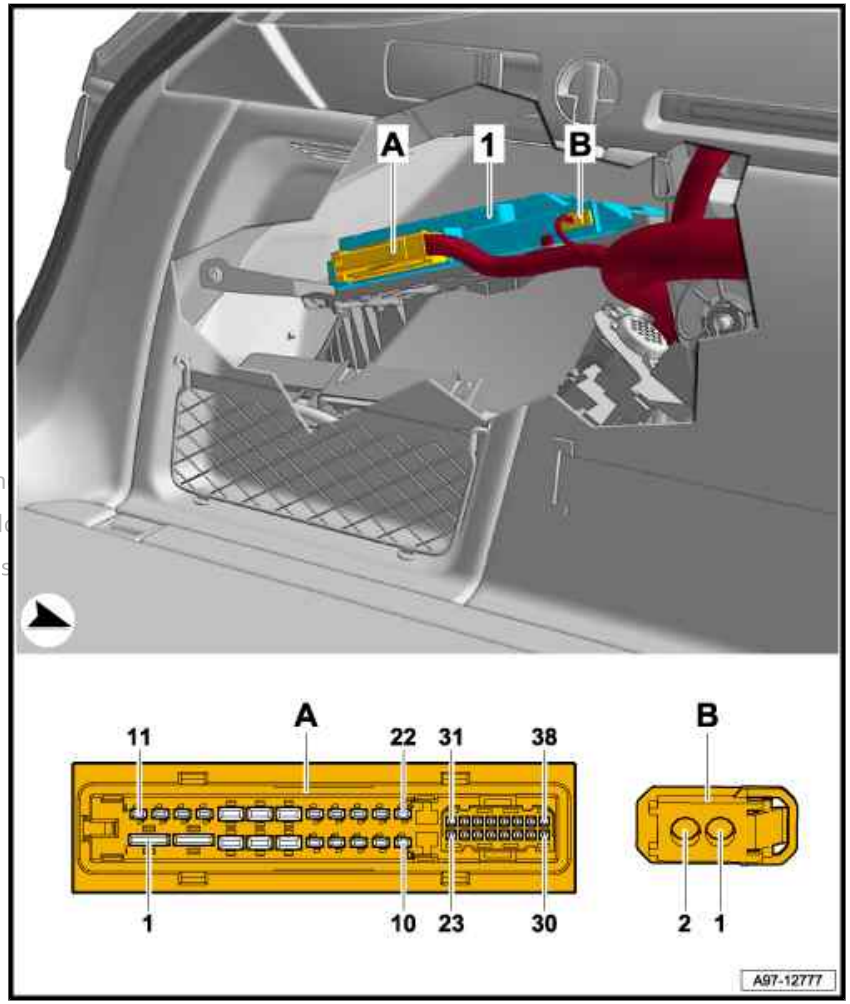

Connector assignment, digital sound package control unit -J525- (Coupé or Sportback), up to September 2019

-T38- (A)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
1	Terminal 30	14	Front right treble loudspeaker -R22- Front right mid-range loudspeaker -R104-	27	Left effect loudspeaker -R209-
2	Terminal 31	15	Centre loudspeaker 2 -R219-	28	Right effect loudspeaker -R210-
3	Centre loudspeaker 2 -R219-	16	Rear right treble loudspeaker -R16- Rear right bass loudspeaker -R17-	29	Microphone unit in front roof module -R164-

-T38- (A)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
4	Rear left treble loudspeaker -R14- Rear left bass loudspeaker -R15-	17	Rear right treble loudspeaker -R16- Rear right bass loudspeaker -R17-	30	Shield
5	Rear left treble loudspeaker -R14- Rear left bass loudspeaker -R15-	18	Centre loudspeaker -R208-	31	Front left treble loudspeaker 2 -R220-
6	Centre loudspeaker -R208-	19	Subwoofer -R211-	32	Front right treble loudspeaker 2 -R221-
7	Front left bass loudspeaker -R21-	20	Subwoofer -R211-	33	Front left mid-range loudspeaker 2 -R276-
8	Front left bass loudspeaker -R21-	21	Subwoofer -R211-	34	Front right mid-range loudspeaker 2 -R277-
9	Front right bass loudspeaker -R23-	22	Subwoofer -R211-	35	Left effect loudspeaker -R209-
10	Front right bass loudspeaker -R23-	23	Front left treble loudspeaker 2 -R220-	36	Right effect loudspeaker -R210-
11	Front left treble loudspeaker -R20- Front left mid-range loudspeaker -R103-	24	Front right treble loudspeaker 2 -R221-	37	Microphone unit in front roof module -R164-
12	Front left treble loudspeaker -R20- Front left mid-range loudspeaker -R103-	25	Front left mid-range loudspeaker 2 -R276-	38	Ring break diagnosis
13	Front right treble loudspeaker -R22- Front right mid-range loudspeaker -R104-	26	Front right mid-range loudspeaker 2 -R277-		

Connector assignment, digital sound package control unit -J525- (Coupé or Sportback), from October 2019

-T38a- (A)	Designation	-T38a- (A)	Designation	-T38a- (A)	Designation
1	VS	14		27	
2	GND	15	SIG-, front right treble loudspeaker 2 -R221-	28	
3	SIG+, front right treble loudspeaker 2 -R221-	16	SIG-, front left treble loudspeaker 2 -R220-	29	DATA, emergency call module control unit and communication unit -J949-
4	SIG+, front left treble loudspeaker 2 -R220-	17	SIG-, rear right treble loudspeaker -R16- / rear right bass loudspeaker -R17-	30	DATA, emergency call module control unit and communication unit -J949-
5	SIG+, rear right treble loudspeaker -R16- , rear right bass loudspeaker -R17-	18	SIG-, rear left treble loudspeaker -R14- , rear left bass loudspeaker -R15-	31	
6	SIG+, rear left treble loudspeaker -R14- , rear left bass loudspeaker -R15-	19	Subwoofer -R211-	32	
7	Subwoofer -R211-	20	Subwoofer -R211-	33	
8	Subwoofer -R211-	21	SIG-, front right bass loudspeaker -R23-	34	
9	SIG+, front right bass loudspeaker -R23-	22	SIG-, front left bass loudspeaker -R21-	35	
10	SIG+, front left bass loudspeaker -R21-	23		36	

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-T38a- (A)	Designation		-T38a- (A)	Designation		-T38a- (A)	Designation
11			24			37	DATA, control unit 1 for information electronics -J794-
12			25			38	DATA, control unit 1 for information electronics -J794-
13			26				

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1.6.2 Fitting location, digital sound package control unit -J525- (Cabriolet)

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Fitting location

At the rear left of the luggage compartment.

1 - Digital sound package control unit -J525-

A - 38-pin connector -T38- , black

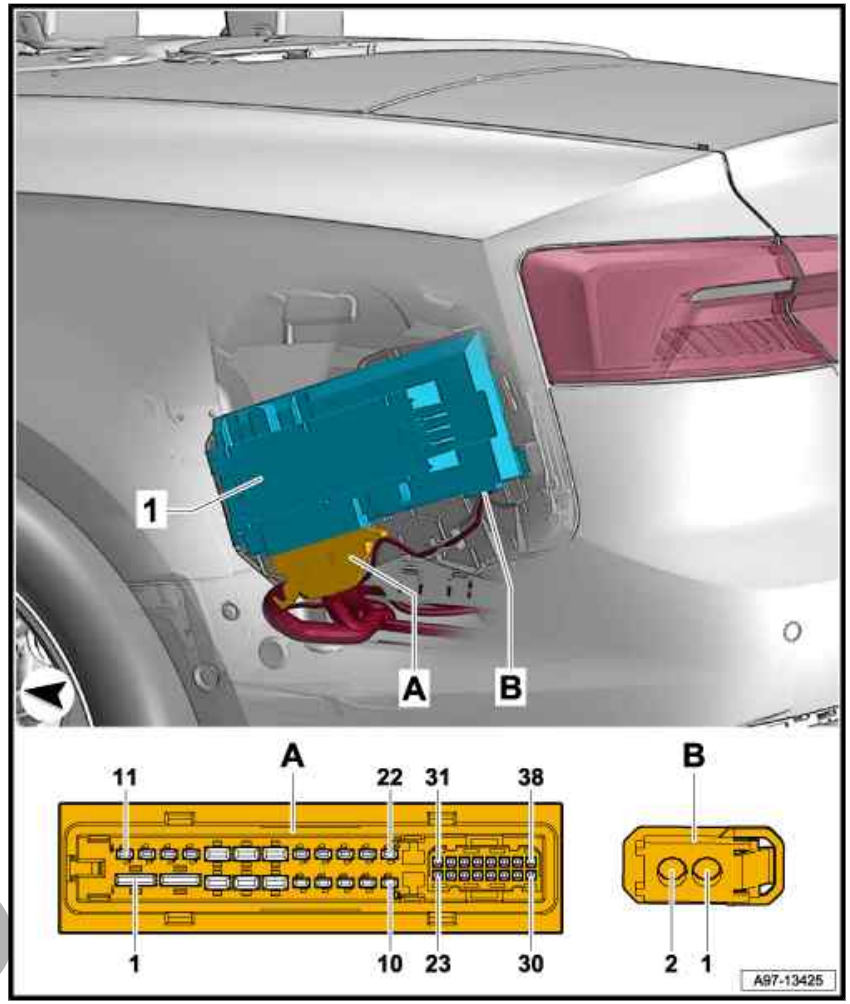
- ❑ Up to September 2019

A - 38-pin connector -T38a- , black

- ❑ from October 2019

B - 2-pin connector -T2vb- , black

- ❑ MOST bus
- ❑ Up to September 2019



Connector assignment, digital sound package control unit -J525- , (Cabriolet), to September 2019

-T38- (A)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
1	Terminal 30	14	Front right treble loudspeaker -R22- Front right mid-range loudspeaker -R104-	27	Left effect loudspeaker -R209-
2	Terminal 31	15	Centre loudspeaker 2 -R219-	28	Right effect loudspeaker -R210-
3	Centre loudspeaker 2 -R219-	16	Rear right treble loudspeaker -R16-	29	Microphone unit in front roof module -R164-

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-T38- (A)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
4	Rear left treble loudspeaker -R14-	17	Rear right treble loudspeaker -R16-	30	Shield
5	Rear left treble loudspeaker -R14-	18	Centre loudspeaker -R208-	31	Front left treble loudspeaker 2 -R220-
6	Centre loudspeaker -R208-	19	Rear right subwoofer -R240-	32	Front right treble loudspeaker 2 -R221-
7	Front left bass loudspeaker -R21-	20	Rear right subwoofer -R240-	33	Front left mid-range loudspeaker 2 -R276-
8	Front left bass loudspeaker -R21-	21	Rear left subwoofer -R239-	34	Front right mid-range loudspeaker 2 -R277-
9	Front right bass loudspeaker -R23-	22	Rear left subwoofer -R239-	35	Left effect loudspeaker -R209-
10	Front right bass loudspeaker -R23-	23	Front left treble loudspeaker 2 -R220-	36	Right effect loudspeaker -R210-
11	Front left treble loudspeaker -R20- Front left mid-range loudspeaker -R103-	24	Front right treble loudspeaker 2 -R221-	37	Microphone unit in front roof module -R164-
12	Front left treble loudspeaker -R20- Front left mid-range loudspeaker -R103-	25	Front left mid-range loudspeaker 2 -R276-	38	Ring break diagnosis
13	Front right treble loudspeaker -R22- Front right mid-range loudspeaker -R104-	26	Front right mid-range loudspeaker 2 -R277-		

Connector assignment, digital sound package control unit -J525- (Cabriolet), from October 2019

-T38a- (A)	Designation	-T38a- (A)	Designation	-T38a- (A)	Designation
1	VS	14		27	
2	GND	15	SIG-, front right treble loudspeaker 2 -R221-	28	
3	SIG+, front right treble loudspeaker 2 -R221-	16	SIG-, front left treble loudspeaker 2 -R220-	29	DATA, emergency call module control unit and communication unit -J949-
4	SIG+, front left treble loudspeaker 2 -R220-	17	SIG-, rear right treble loudspeaker -R16- / rear right bass loudspeaker -R17-	30	DATA, emergency call module control unit and communication unit -J949-
5	SIG+, rear right treble loudspeaker -R16- , rear right bass loudspeaker -R17-	18	SIG-, rear left treble loudspeaker -R14- , rear left bass loudspeaker -R15-	31	
6	SIG+, rear left treble loudspeaker -R14- , rear left bass loudspeaker -R15-	19	Rear left subwoofer -R239-	32	
7	Rear left subwoofer -R239-	20	Rear right subwoofer -R240-	33	
8	Rear right subwoofer -R240-	21	SIG-, front right bass loudspeaker -R23-	34	
9	SIG+, front right bass loudspeaker -R23-	22	SIG-, front left bass loudspeaker -R21-	35	
10	SIG+, front left bass loudspeaker -R21-	23		36	
11		24		37	DATA, control unit 1 for information electronics -J794-

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-T38a- (A)	Designation		-T38a- (A)	Designation		-T38a- (A)	Designation
12			25			38	DATA, control unit 1 for information electronics -J794-
13			26				

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1.7 Fitting location, garage door operation control unit -J530-

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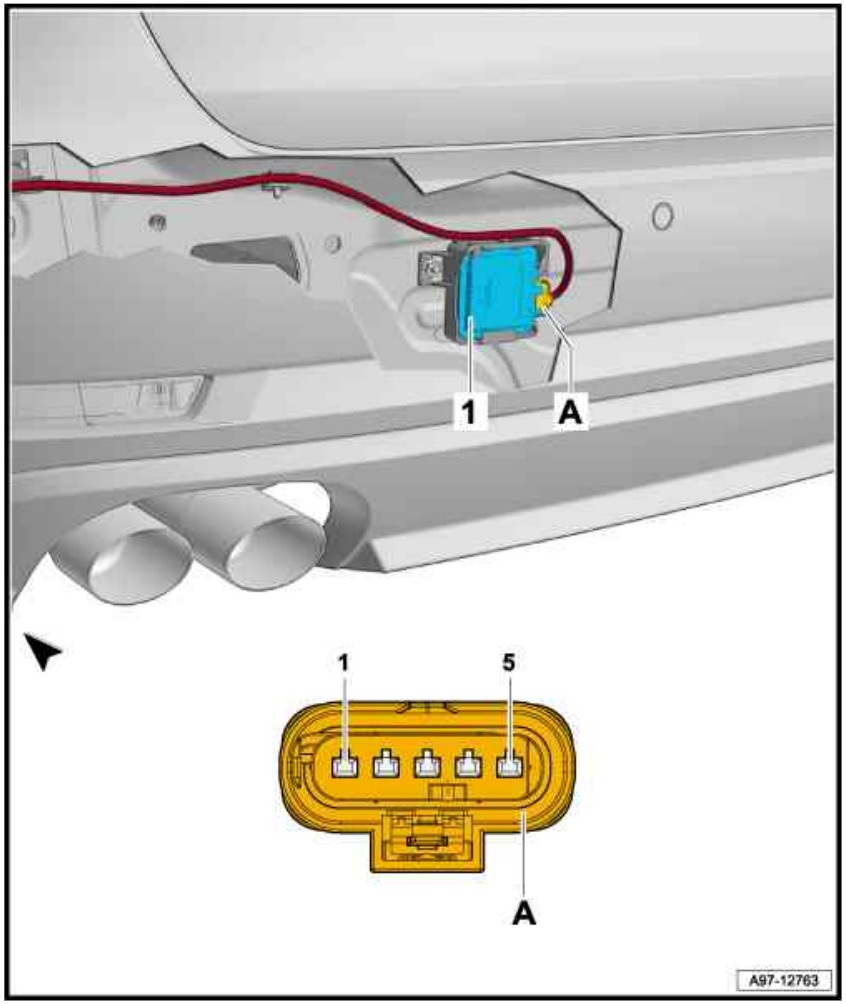
Fitting location

on centre left behind rear bumper cover.

1 - Garage door operation control unit -J530-

A - 5-pin connector -T5ao- , black



Connector assignment, garage door operation control unit -J530-

-T5ao- (A)	Designation
1	Terminal 30
2	Terminal 31
3	Data bus wire (LIN bus)
4	Programming aerial for garage door opener -R278-

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-T5ao- (A)	Designation
5	Programming aerial for garage door opener -R278-

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1.8 Fitting location, rear lid control unit -J605-

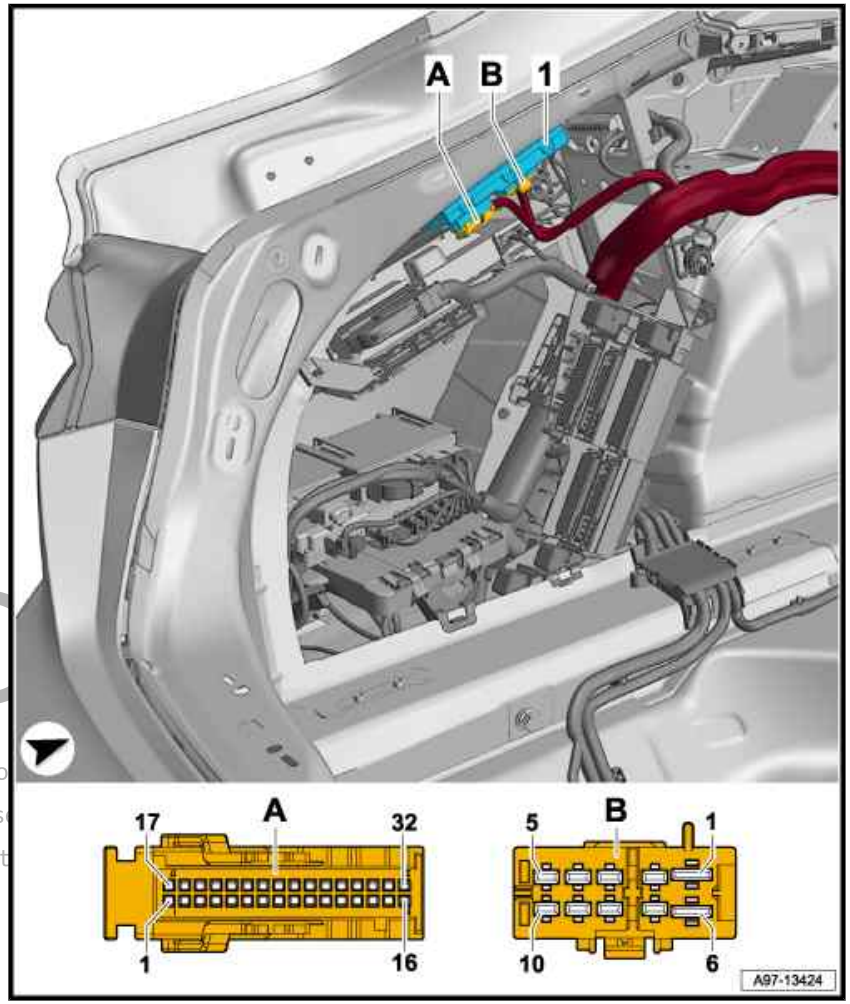
Fitting location

Behind left side trim in luggage compartment.

1 - Rear lid control unit -J605-

A - 10-pin connector -T10q- , black

B - 32-pin connector -T32e- , black



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Connector assignment for rear lid control unit -J605-

-T10q-(A)	Designation		-T32e-(B)	Designation		-T32e-(B)	Designation
1	Terminal 30		1			17	
2	Motor 1 for rear lid -V444-		2			18	
3	Motor 2 for rear lid -V445-		3			19	
4	Motor 1 for rear lid -V444-		4			20	
5	Power latching motor for rear lid -V382-		5	Rear lid warning buzzer -H32-		21	Rear lid warning buzzer -H32-
6	Terminal 31		6			22	
7			7			23	
8			8			24	Motor 2 for rear lid -V445-
9	Motor 2 for rear lid -V445-		9			25	Motor 2 for rear lid -V445-
10	Power latching motor for rear lid -V382-		10	Motor 1 for rear lid -V444-		26	Motor 1 for rear lid -V444-
			11	Motor 2 for rear lid -V445-		27	Motor 1 for rear lid -V444-
			12	Motor 2 for rear lid -V445-		28	Motor 1 for rear lid -V444-
			13	Locking button in rear lid -E806-		29	
			14	Locking button in rear lid -E806- Button to close rear lid in luggage compartment -E406-		30	
			15			31	Convenience CAN bus, low
			16			32	Convenience CAN bus, high

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1.9 Fitting location, lane change assist control unit -J769-

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Fitting location

on right behind rear bumper cover.

1 - Lane change assist control unit -J769-

A - 8-pin connector -T8j- , black

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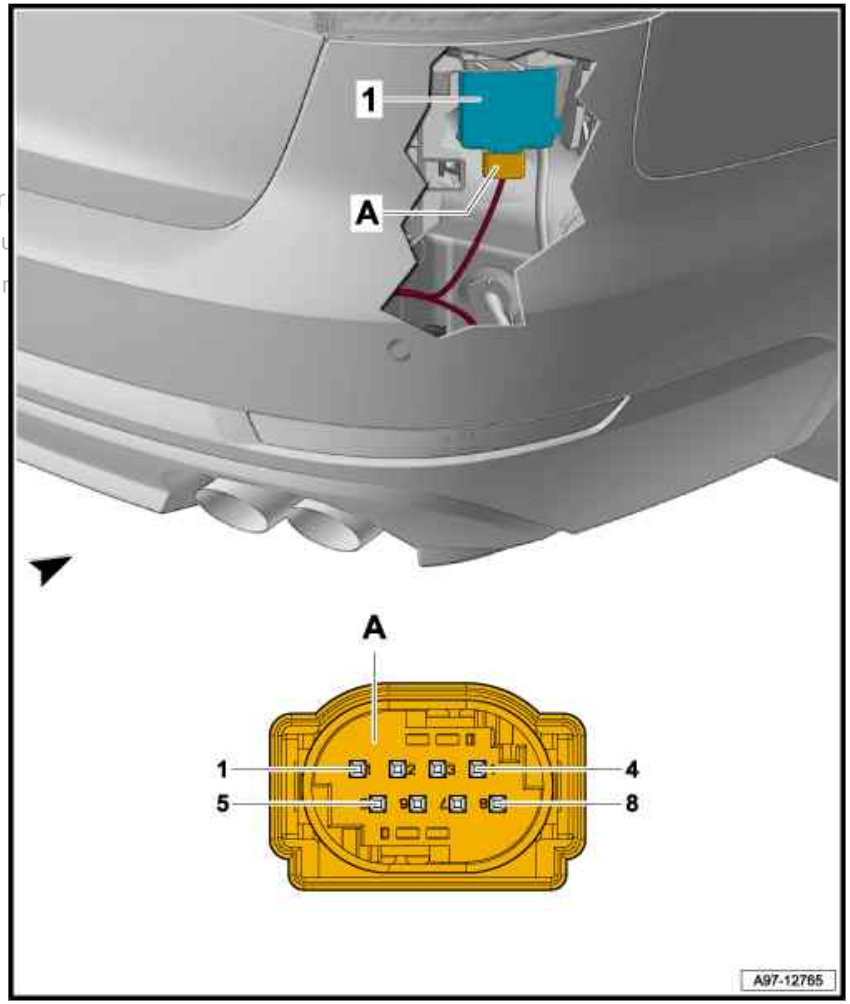

Connector assignment, lane change assist control unit -J769-

-T8j- (A)	Designation		-T8j- (A)	Designation
1	Terminal 31		5	Lane change assist control unit 2 -J770-
2	Extended CAN bus, high		6	Lane change assist control unit 2 -J770-
3	Extended CAN bus, low		7	
4			8	Terminal 30

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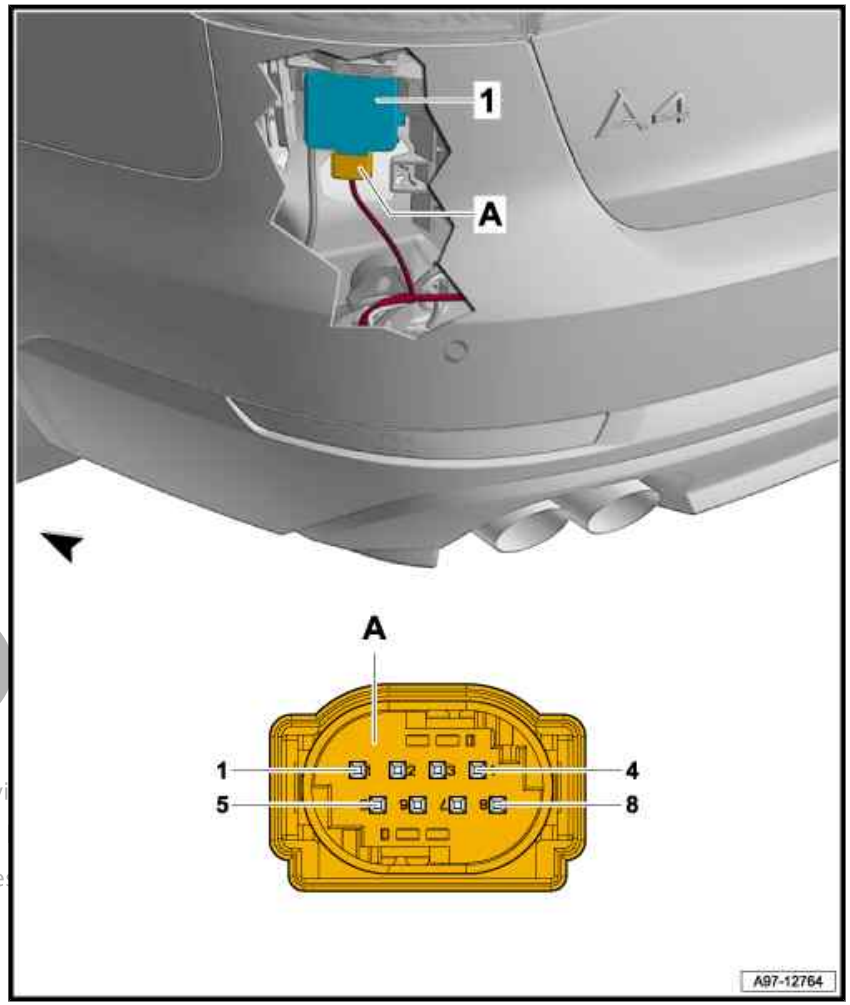
1.10 Fitting location, lane change assist control unit 2 -J770-

Fitting location

on left behind rear bumper cover.

1 - Lane change assist control unit 2 -J770-

A - 8-pin connector -T8q- , black



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Connector assignment, lane change assist control unit 2 -J770-

-T8q- (A)	Designation		-T8q- (A)	Designation
1	Terminal 31		5	Lane change assist control unit -J769-
2	Extended CAN bus, high		6	Lane change assist control unit -J769-
3	Extended CAN bus, low		7	
4			8	Terminal 30

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1.11 Fitting location Reversing camera system control unit -J772-

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Fitting location

in rear lid button handle.

1 - Reversing camera system control unit -J772-

A - 8-pin connector -T8k- , black

B - 2-pin connector -T2z- , grey

- ❑ to control unit for information electronics 1 -J794-

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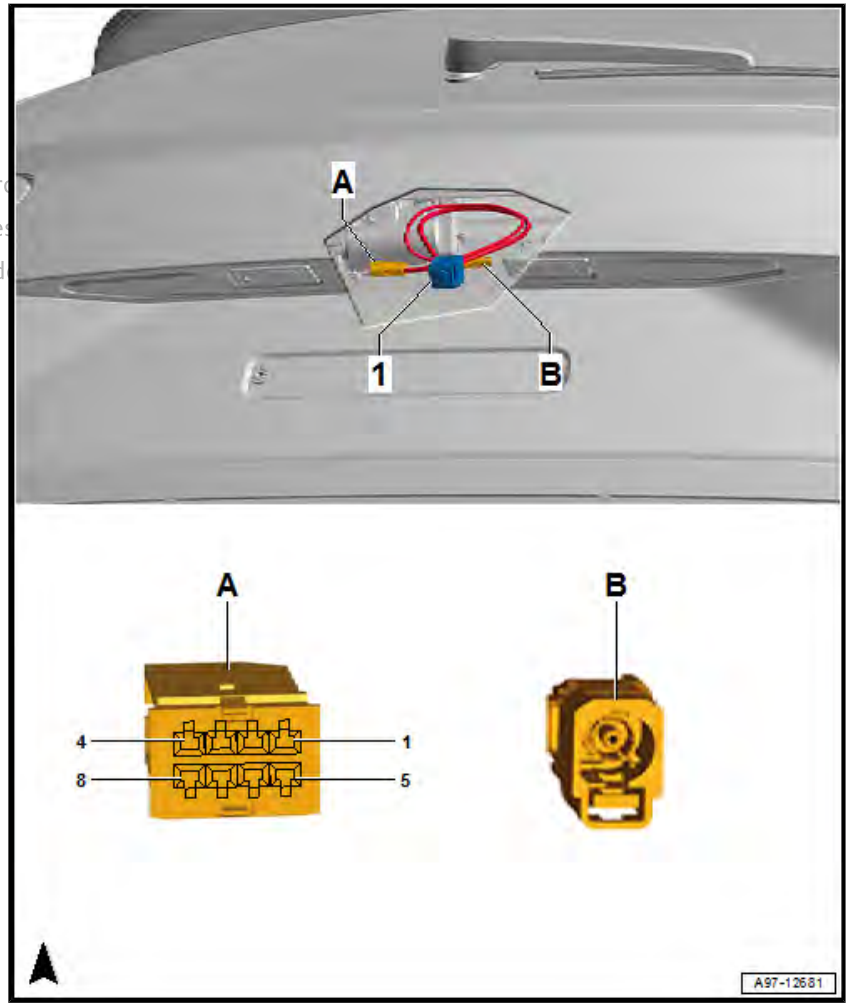

Connector assignment, reversing camera system control unit -J772-

-T8k- (A)	Designation		-T8k- (A)	Designation
1	Terminal 30		5	Terminal 31
2			6	
3			7	
4	Extended CAN bus, high		8	Extended CAN bus, low

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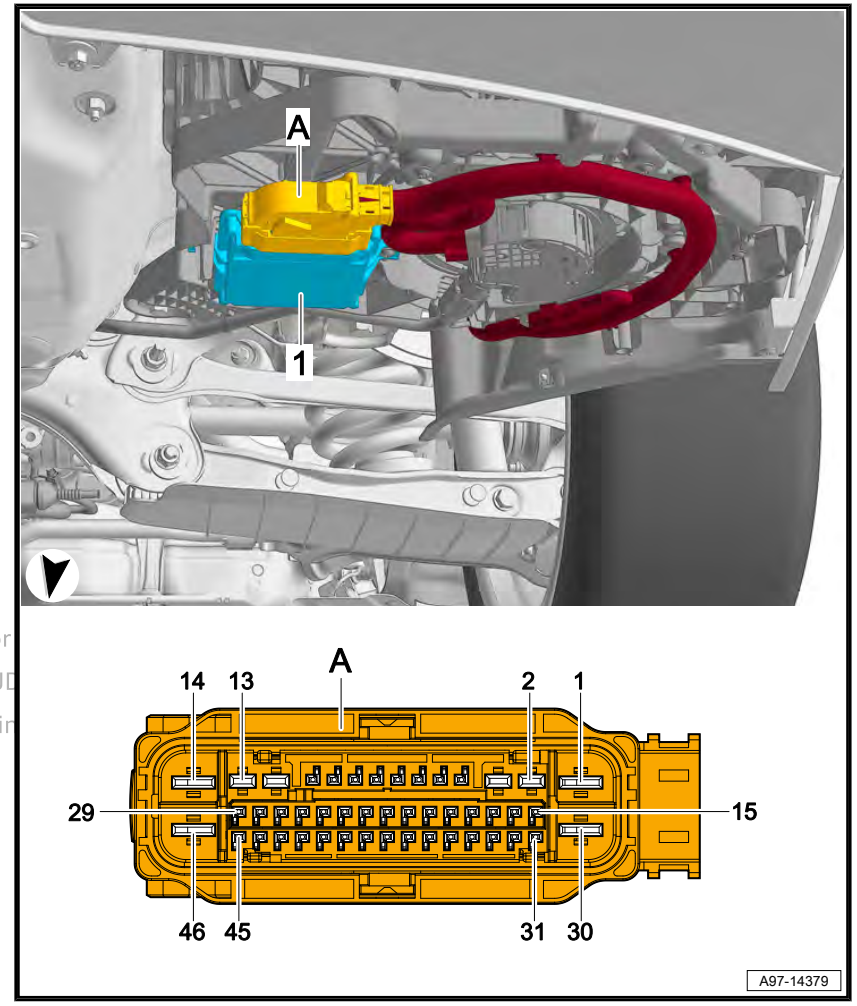
1.12 Fitting location, reducing agent metering system control unit -J880-

Fitting location

On reducing agent tank.

1 - Control unit for reducing agent metering system -J880-

A - 46-pin connector -T46a- , black



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Connector assignment for reducing agent metering system control unit -J880-

-T46a- (A)	Designation	-T46a- (A)	Designation	-T46a- (A)	Designation
1	Terminal 30	17		33	Pump for reducing agent -V437- in reducing agent metering system control unit -GX19-
2	Heater 2 for reducing-agent tank (heater circuit 3) -Z167- in reducing agent metering system control unit -GX19-	18		34	
3	Heater for reducing-agent tank (heater circuit 1) -Z102- in reducing agent metering system control unit -GX19-	19		35	Pump for reducing agent -V437- in reducing agent metering system control unit -GX19-
4		20		36	
5		21		37	Temperature sender for reducing agent -G685- in reducing agent metering system control unit -GX19-
6	Temperature sender for reducing agent -G685- in reducing agent metering system control unit -GX19-	22		38	Reducing agent quality sensor -G849- in reducing agent metering system control unit -GX19-
7	Pressure sender for reducing agent metering system -G686- in reducing agent metering system control unit -GX19-	23		39	Heater for reducing-agent line (heater circuit 2) -Z104-
8	Heater for reducing-agent line (heater circuit 2) -Z104-	24		40	Pressure sender for reducing agent metering system -G686- in reducing agent metering system control unit -GX19-
9	Pressure sender for reducing agent metering system -G686- in reducing agent metering system control unit -GX19-	25		41	Tank sender for reducing agent -G684- in reducing agent metering system control unit -GX19-
10	Reducing agent quality sensor -G849- in reducing agent metering system control unit -GX19-	26		42	
11		27		43	
12	Heater 2 for reducing-agent tank (heater circuit 3) -Z167- in reducing agent metering system control unit -GX19-	28		44	Extended CAN bus, high
13	Heater for reducing-agent tank (heater circuit 1) -Z102- in reducing agent metering system control unit -GX19-	29		45	Extended CAN bus, low
14	Terminal 31	30	Terminal 30	46	Terminal 31
15		31	Pump for reducing agent -V437- in reducing agent metering system control unit -GX19-		

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-T46a- (A)	Designation		-T46a- (A)	Designation		-T46a- (A)	Designation
16			32	Tank sender for reducing agent -G684- in reducing agent metering system control unit -GX19-			

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1.13 Fitting location Control unit for overhead view camera -J928-

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Fitting location

on left in luggage compartment, behind the side trim.

1 - Control unit for overhead view camera -J928-

A - 18-pin connector -T18a- , black

B - 5-pin connector -T5o- , brown

- ❑ to control unit for information electronics 1 -J794-

C - 5-pin connector -T5i- , green

- ❑ to left overhead view camera -R244-

D - 5-pin connector -T5k- , black

- ❑ to right overhead view camera -R245-

E - 5-pin connector -T5m- , white

- ❑ to front overhead view camera -R243-

F - 5-pin connector -T5n- , blue

- ❑ to rear overhead view camera -R246-

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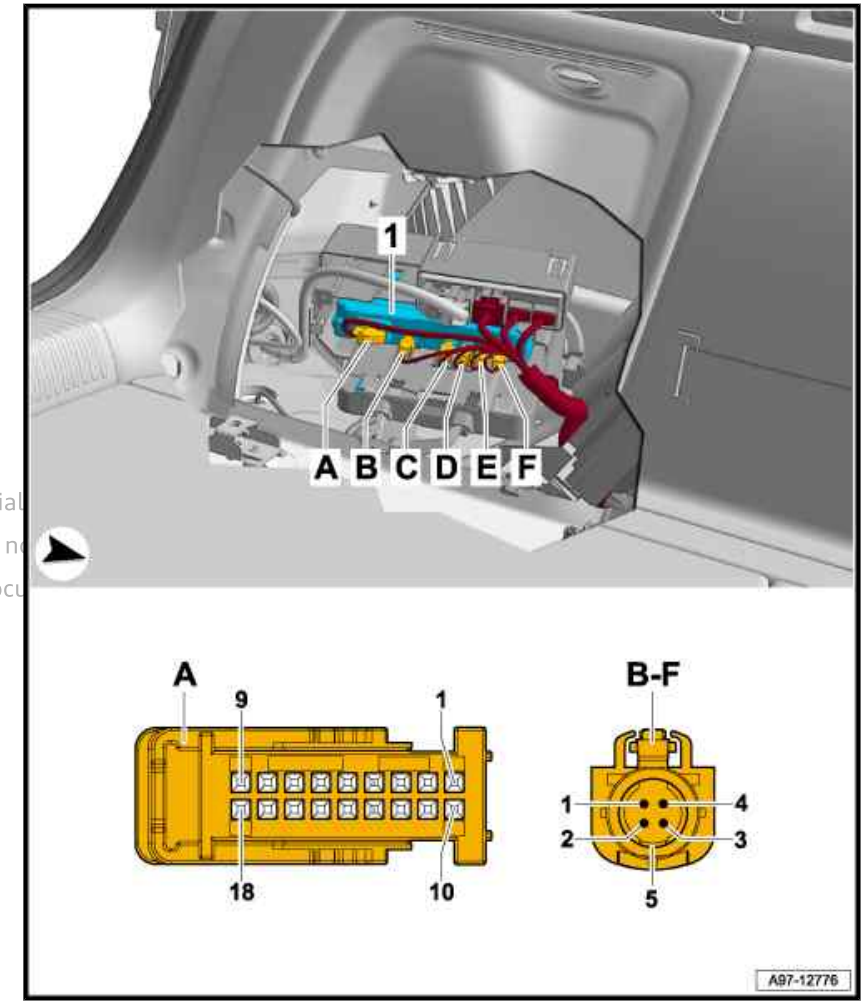

Connector assignment, control unit for overhead view camera -J928-

-T18a- (A)	Designation		-T18a- (A)	Designation		-T18a- (A)	Designation
1	Terminal 30		7			13	
2	Extended CAN bus, high		8			14	
3			9			15	
4			10	Extended CAN bus, low		16	

-T18a- (A)	Designation		-T18a- (A)	Designation		-T18a- (A)	Designation
5			11			17	
6			12	Terminal 31		18	

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1.14 Fitting location, rear lid power opening control unit -J938-

1.14.1 Fitting location, rear lid power opening control unit -J938- , up to September 2019

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Fitting location

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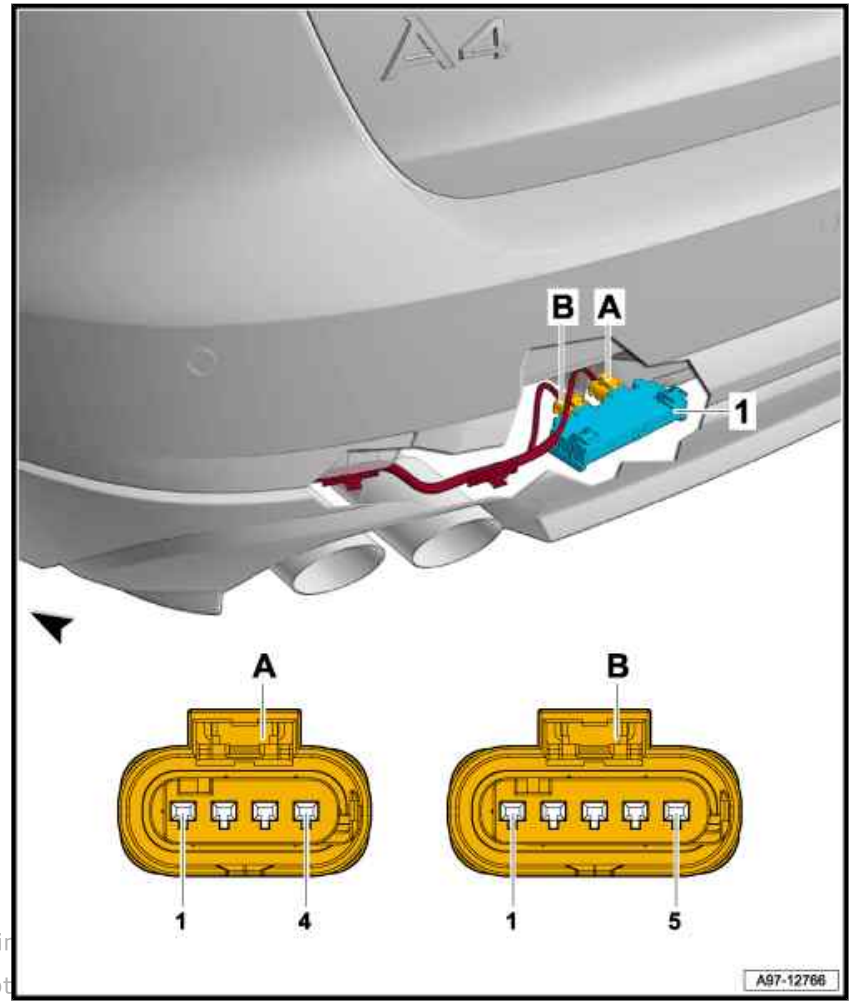
1 - Rear lid power opening control unit -J938-

A - 4-pin connector -T4bs- , black

B - 5-pin connector -T5bd- , black



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Connector assignment, rear lid power opening control unit -J938- , to September 2019

-T4bs- (A)	Designation		-T5bd- (B)	Designation
1	Terminal 30		1	Rear lid power opening sender -G750-
2	Terminal 31		2	Rear lid power opening sender -G750-
3	Data bus wire (LIN bus)		3	
4			4	Rear lid power opening sender 2 -G760-

-T4bs- (A)	Designation		-T5bd- (B)	Designation
			5	Rear lid power opening sender 2 -G760-

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1.14.2 Fitting location, rear lid power opening control unit -J938- , from October 2019

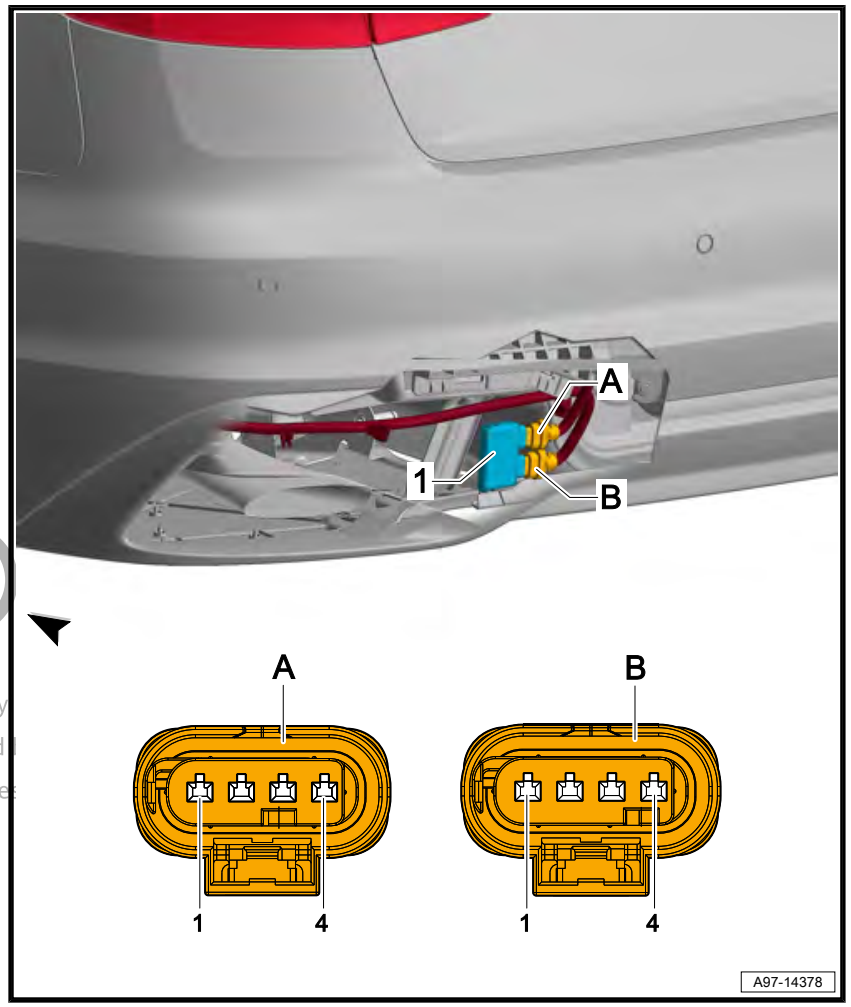
Fitting location

on centre left at bottom on rear bumper cover.

1 - Rear lid power opening control unit -J938-

A - 4-pin connector -T4mb- , black

B - 4-pin connector -T4ma- , black



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Connector assignment, rear lid power opening control unit -J938- , from October 2019

-T4ma- (B)	Designation		-T4mb- (A)	Designation
1	Terminal 31		1	Rear lid power opening sender -G750-
2			2	Rear lid power opening sender -G750-
3	Data bus wire (LIN bus)		3	Rear lid power opening sender 2 -G760-
4	Terminal 30		4	Rear lid power opening sender 2 -G760-

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1.15 Fitting location, remote control receiver for auxiliary heater -R64-

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Fitting location

on right in luggage compartment, behind the side trim.

1 - Remote control receiver for auxiliary heater -R64-

A - 2-pin connector -T2dc- , translucent

- ❑ from auxiliary heater aerial -R182- in roof aerial -R216-

B - 6-pin connector -T6y- , blue

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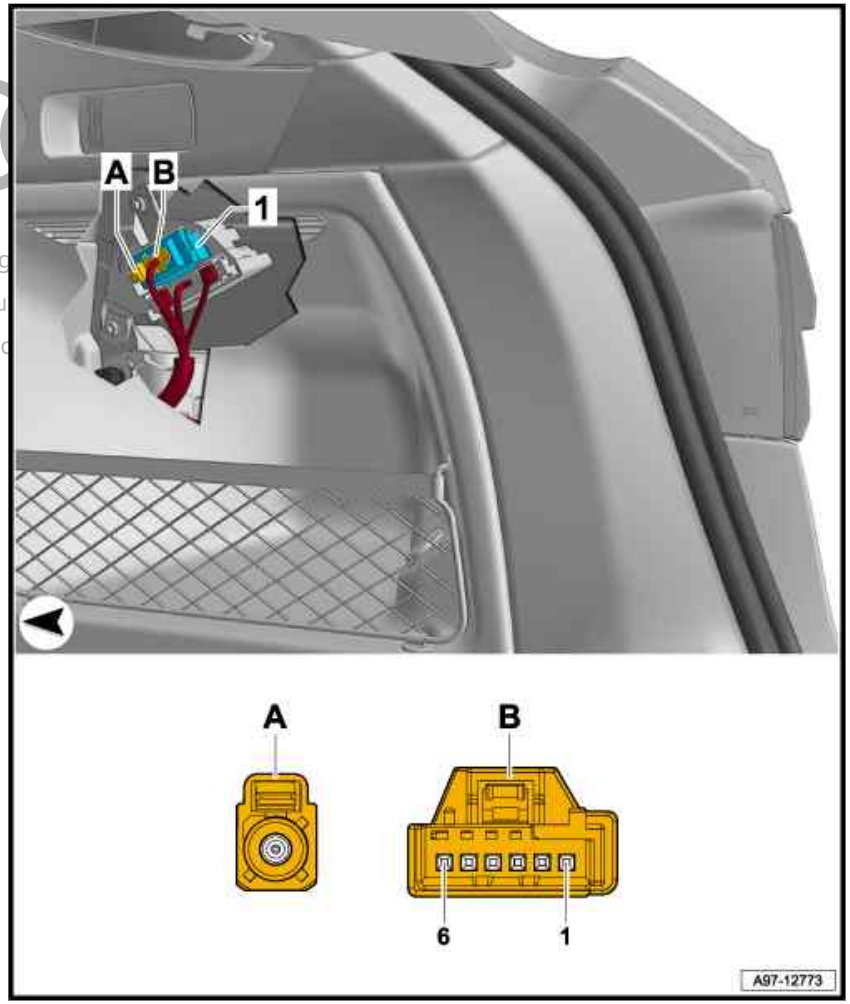

Connector assignment, remote control receiver for auxiliary heater -R64- , up to June 2018

-T6y- (A)	Designation
1	Terminal 31
2	Terminal 30
3	
4	

-T6y- (A)	Designation
5	Data bus wire (LIN bus)
6	

Connector assignment, remote control receiver for auxiliary heater -R64- , from June 2018

-T6y- (A)	Designation
1	Terminal 30
2	Data bus wire (LIN bus)
3	
4	
5	
6	Terminal 31

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1.16 Fitting location TV tuner -R78-

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Fitting location

on right in luggage compartment, behind the side trim.

1 - TV tuner -R78-

A - 12-pin connector -T12d- , black

B - 2-pin connector -T2ea- , black

- ❑ MOST bus

C - 4-pin connector -T4tv- , green

D - 2-pin connector -T2tv- , brown

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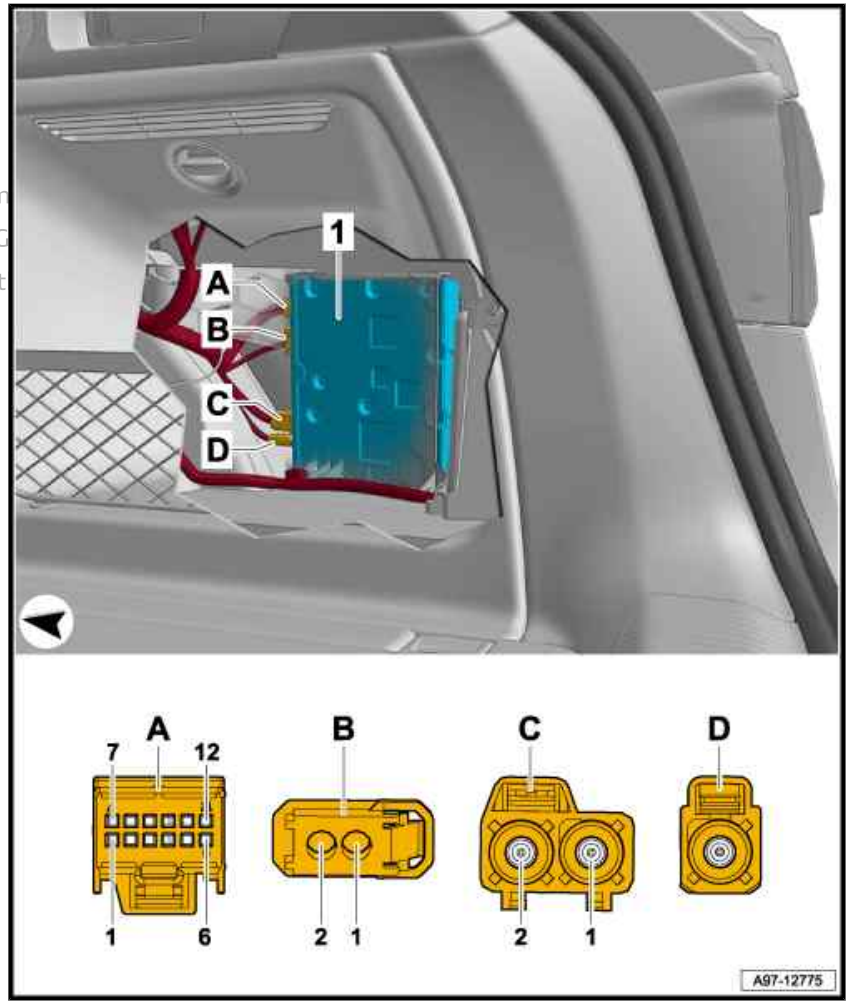

Connector assignment, TV tuner -R78-

-T12d- (A)	Designation		-T12d- (A)	Designation
1	Terminal 30		7	
2	Terminal 31		8	
3	Ring break diagnosis		9	
4			10	
5			11	

-T12d- (A)	Designation		-T12d- (A)	Designation
6			12	

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1.17 Fitting location, aerial amplifier for mobile telephone -R86-

1.17.1 Fitting location, aerial amplifier for mobile telephone -R86- (Coupé or Sportback)

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Fitting location

on right in luggage compartment, behind the side trim.

1 - Aerial amplifier for mobile telephone -R86-

A - 2-pin connector -T2hw- , purple, yellow, translucent

- ❑ Up to September 2019

A - 2-pin connector -T2nkb- , purple

- ❑ from October 2019
- ❑ Only with (GB1)

A - 2-pin connector -T2nkc- , translucent

- ❑ from October 2019
- ❑ Only with (GB2)

A - 2-pin connector -T2nkd- , yellow

- ❑ from October 2019
- ❑ Only with (GB3)

B - 4-pin connector -T4br- , black

C - 2-pin connector -T2hv- , black

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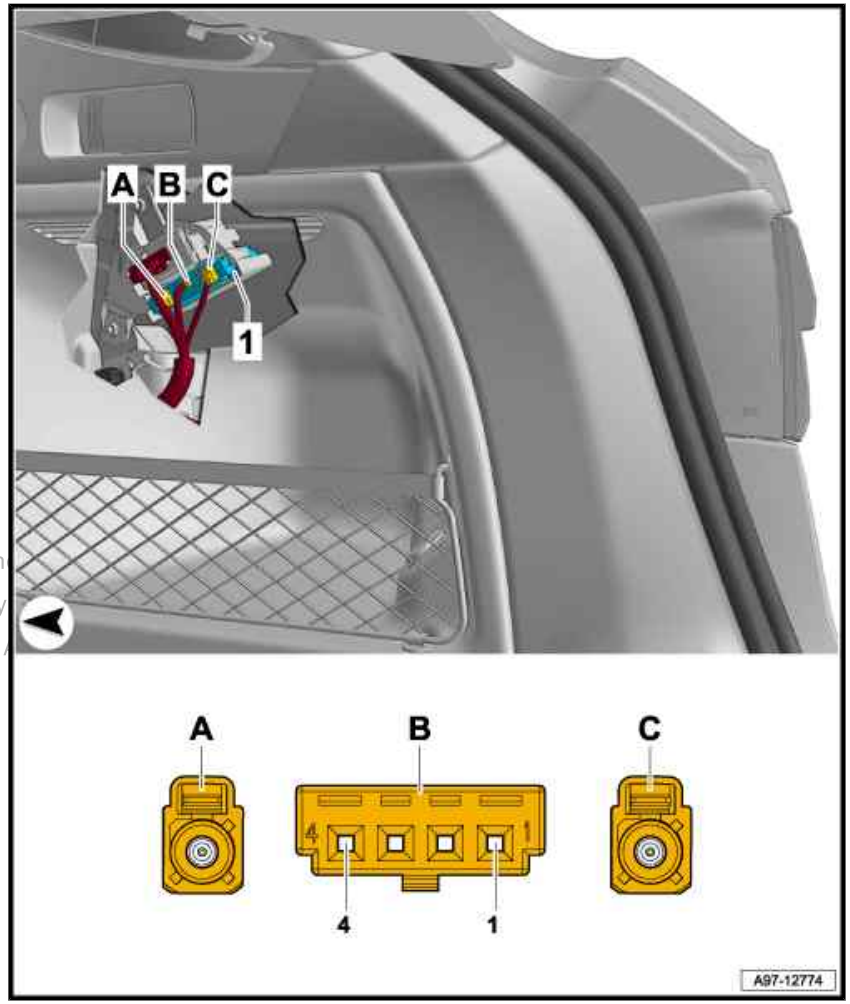

Connector assignment, aerial amplifier for mobile telephone -R86- (Coupé or Sportback)

-T4br- (B)	Designation
1	Terminal 30
2	Terminal 31
3	Control unit 1 for information electronics -J794-
4	

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1.17.2 Fitting location, aerial amplifier for mobile telephone -R86- (Cabriolet)

Fitting location

on right in luggage compartment, behind the side trim.

1 - Aerial amplifier for mobile telephone -R86-

A - 2-pin connector -T2hw- , purple, yellow, translucent

- ❑ Up to September 2019

A - 2-pin connector -T2nkb- , purple

- ❑ from October 2019
- ❑ Only with (GB1)

A - 2-pin connector -T2nkc- , translucent

- ❑ from October 2019
- ❑ Only with (GB2)

A - 2-pin connector -T2nkd- , yellow

- ❑ from October 2019
- ❑ Only with (GB3)

B - 4-pin connector -T4br- , black

C - 2-pin connector -T2hv- , black

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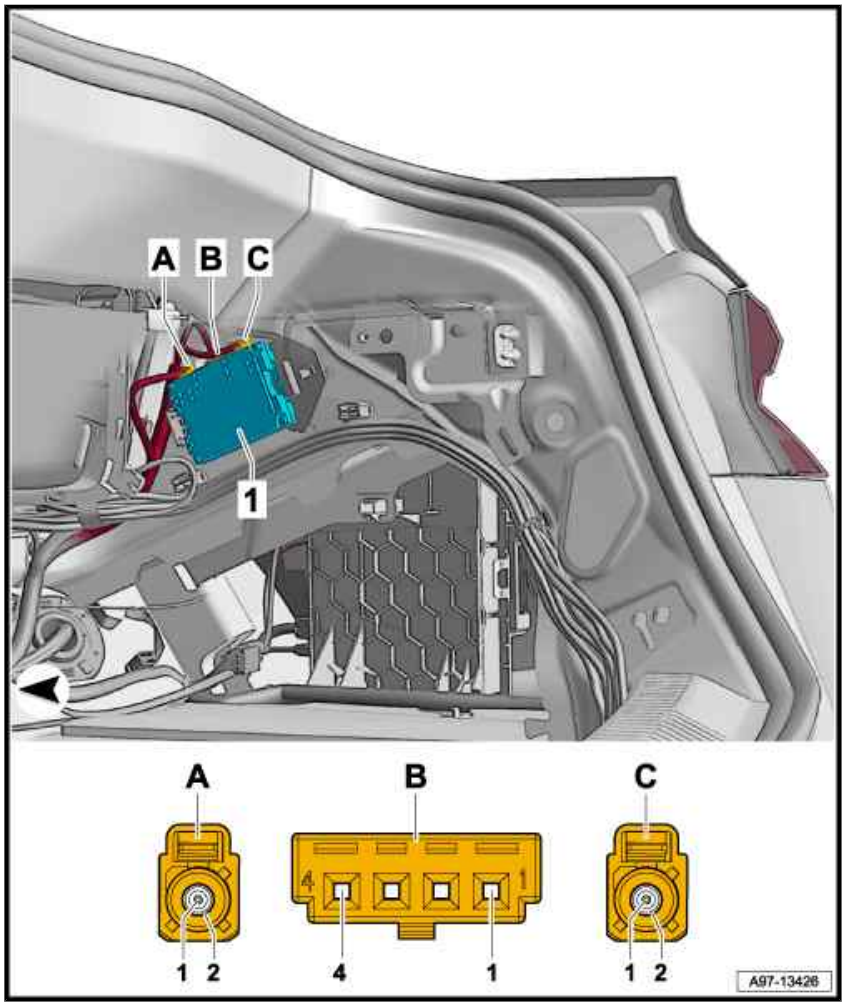

Connector assignment, aerial amplifier for mobile telephone -R86- (Cabriolet)

-T4br- (B)	Designation
1	Terminal 30

T4br (B)	Designation
2	Terminal 31
3	Control unit 1 for information electronics -J794-
4	

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1.18 Fitting location, battery monitor control unit -J367-

Fitting location

At negative terminal of battery -A- .

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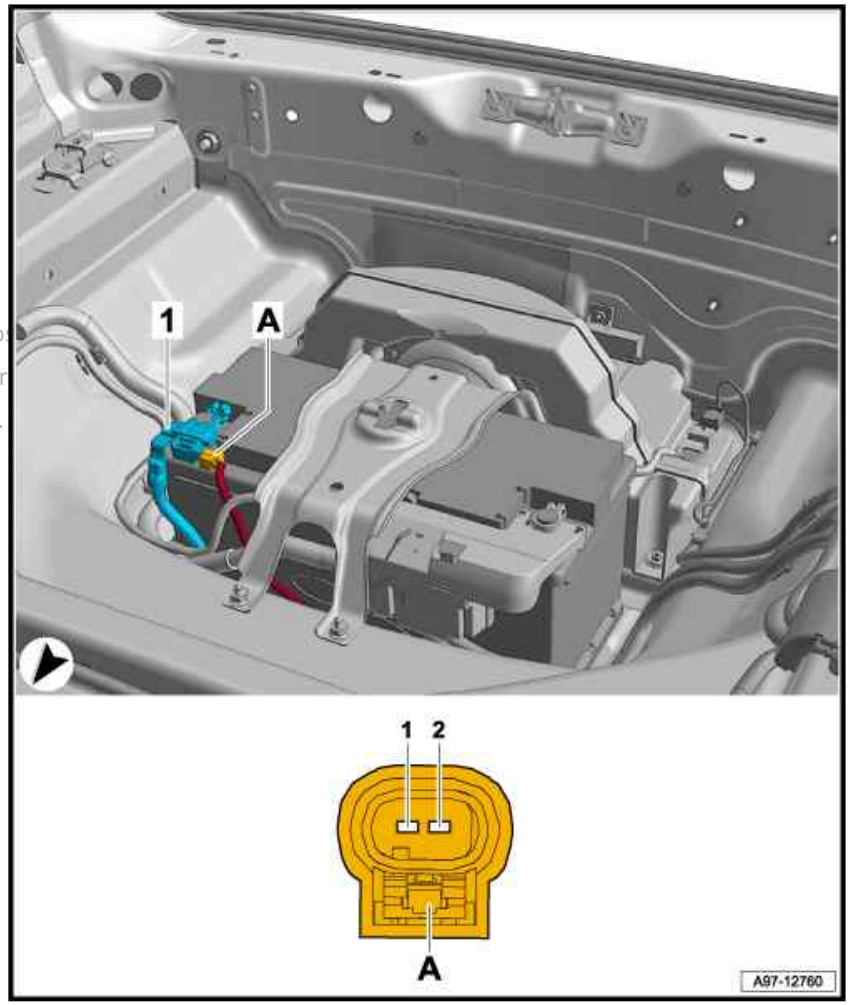

1 - Battery monitor control unit -J367-

A - 2-pin connector -T2x- , black

Connector assignment, battery monitor control unit -J367-

-T2x- (A)	Designation
1	LIN bus
2	Terminal 30

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1.19 Engine sound generator control unit -J943-

Fitting location

on left in luggage compartment, behind the side trim.

1 - Engine sound generator control unit -J943-

A - 8-pin connector -T8ba- , black

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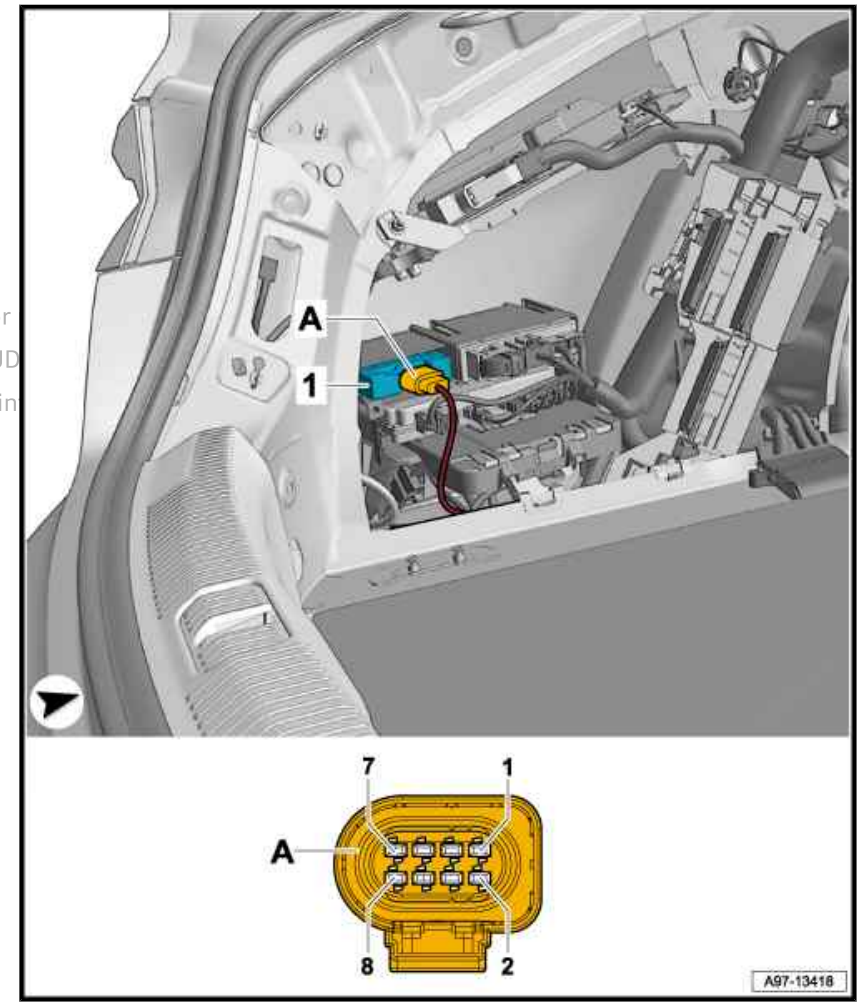

Connector assignment, engine sound generator control unit -J943-

-T8ba- (A)	Designation
1	CAN bus

-T8ba- (A)	Designation
2	Terminal 31
3	CAN bus
4	Terminal 15
5	Actuator 1 for engine sound generator -R257-
6	Actuator 1 for engine sound generator -R257-
7	Actuator 1 for engine sound generator -R257-
8	Actuator 1 for engine sound generator -R257-

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1.20 Second battery -A1-

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Fitting location

In luggage compartment.

1 - Second battery -A1-

A - 6-pin connector -T6bu- , black

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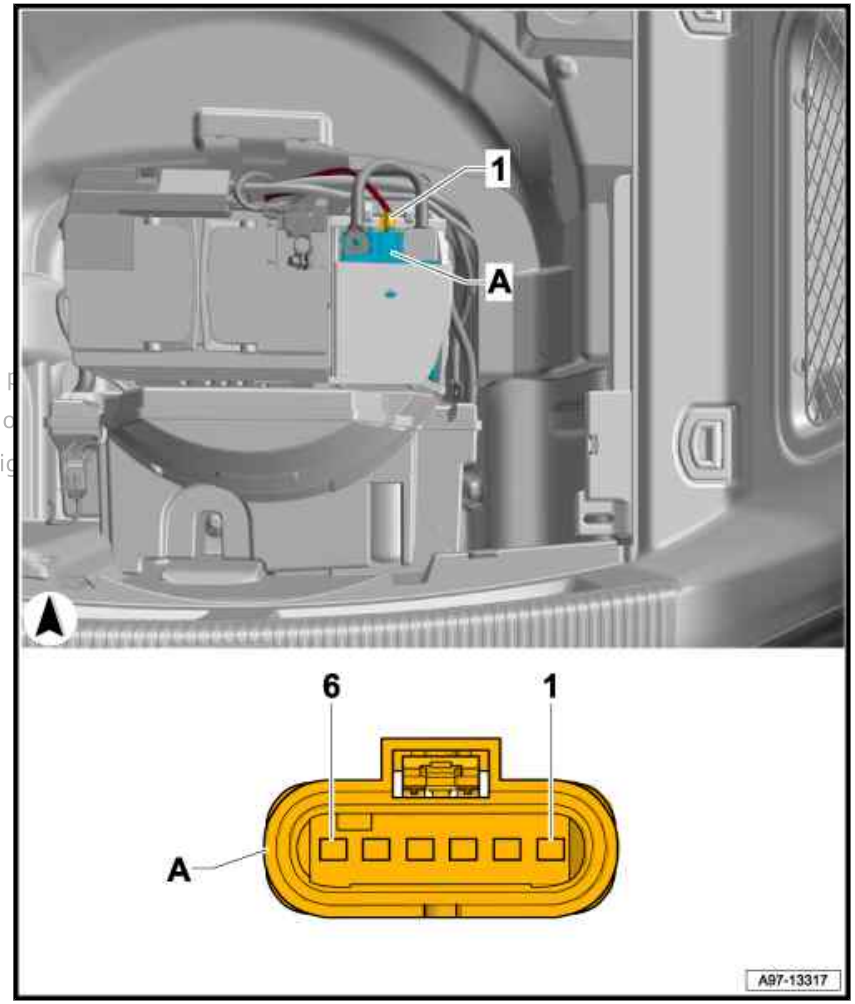

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1.21 Convertible roof actuation control unit -J256-

Fitting location

on left in luggage compartment, behind the side trim.

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1 - Convertible roof actuation control unit -J256-

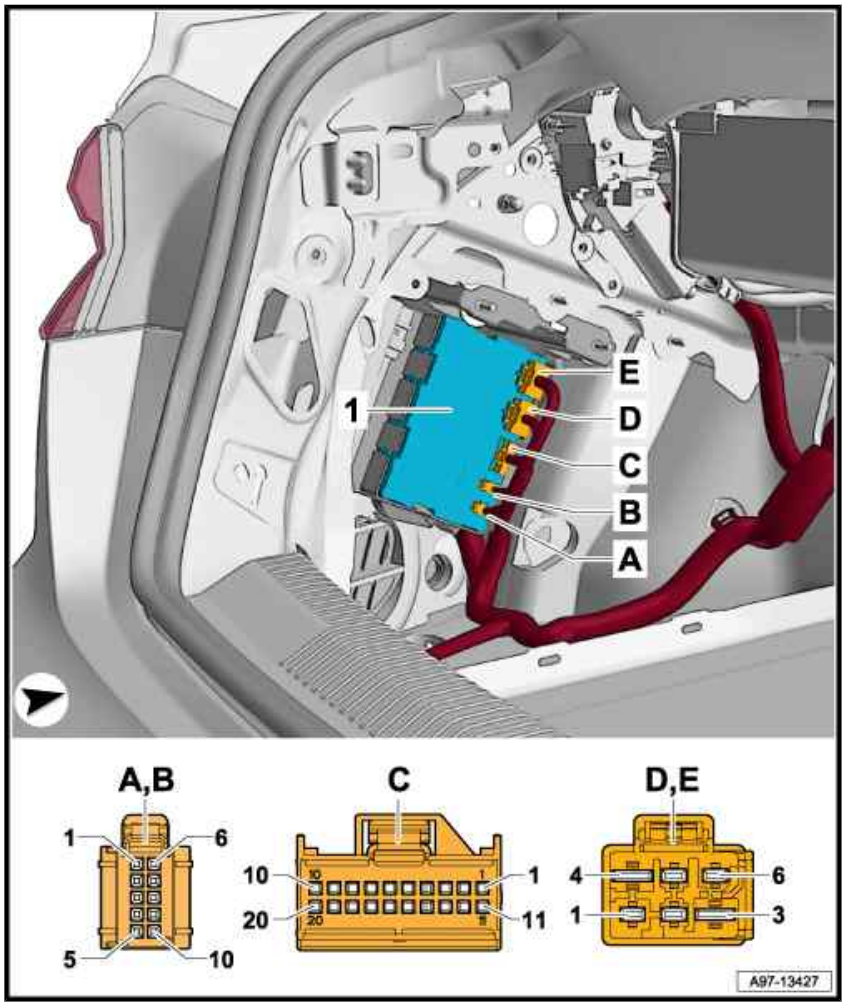
A - 10-pin connector -T10ee- , red

B - 10-pin connector -T10ed- , black

C - 20-pin connector -T20m- , black

D - 6-pin connector -T6eb- , brown

E - 6-pin connector -T6ea- , black



Connector assignment, convertible roof actuation control unit -J256-

-T10ee- (A)	Designation		-T10ed- (B)	Designation
1	Power operated convertible roof valve 1 -N272-		1	

-T10ee- (A)	Designation		-T10ed- (B)	Designation
2	Power operated convertible roof valve 2 -N341-		2	
3	Power operated convertible roof valve 3 -N342-		3	
4	Hydraulic pump relay 2 for convertible roof -J588-		4	
5	Convertible roof actuation hydraulic pump relay -J321-		5	
6	Convertible roof actuation hydraulic pump relay -J321-		6	Tensioning strut up switch -F408-
7	Hydraulic pump relay 2 for convertible roof -J588-		7	Switch on left for convertible roof latch closed -E891-
8	Convertible roof box lid open switch -F407-		8	Switch on right for convertible roof latch closed -E892-
9	Convertible roof box lid released switch -F293- Convertible roof box lid lock unit -VX92-		9	Convertible roof latch open switch -F294-
10	Convertible roof box lid closed switch -F519- Convertible roof box lid lock unit -VX92-		10	

-T20m- (C)	Designation		-T6eb- (D)	Designation		-T6ea- (E)	Designation
1	Glove compartment locking motor -V224-		1			1	Convertible roof actuation button -E137-
2	Glove compartment locking motor -V224-		2	Convertible roof lock motor -V223-		2	Left motor for convertible roof box -V433-
3			3	Convertible roof box lid lock motor -V222- Convertible roof box lid lock unit -VX92-		3	Terminal 30
4			4			4	Terminal 31
5	Convertible roof actuation button -E137-		5	Convertible roof lock motor -V223-		5	Left motor for convertible roof box -V433-
6	Convertible roof box operation button -E896-		6	Convertible roof box lid lock motor -V222- Convertible roof box lid lock unit -VX92-		6	Terminal 30
7	Convertible roof latch closed switch -F295-						
8	Switch on left for convertible roof latch closed -E891- Switch on right for convertible roof latch closed -E892- Switch on left for tensioning strut stowed -F419- Switch on right for tensioning strut stowed -F420-						
9	Convertible roof box lid open switch -F407-						
10	LIN bus						
11	CAN bus						
12	CAN bus						

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-T20m- (C)	Designation		-T6eb- (D)	Designation		-T6ea- (E)	Designation
13	Switch on right for convertible roof locking readiness -E894- Switch on left for convertible roof locking readiness -E893-						
14	Convertible roof box lid locked switch, left -F417- Convertible roof box lid locked switch, right -F421- Convertible roof box lid lock unit -VX92-						
15	Switch on left for convertible roof box, bottom -E897- Switch on right for convertible roof box, bottom -E898-						
16	Convertible roof front switch -F202-						
17	Convertible roof stowed switch -F171-						
18	Switch for tensioning strut intermediate position -F518-						
19	Switch on right for tensioning strut stowed -F420-						
20	Switch on left for tensioning strut stowed -F419-						

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1.22 Special vehicle control unit -J608-

1.22.1 Special vehicle control unit -J608- (Coupé or Sportback)

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Fitting location

on left in luggage compartment, behind the side trim.

1 - Special vehicle control unit -J608-

A - 12-pin connector -T12o- , black

B - 16-pin connector -T16d- , black

C - 20-pin connector -T20k- , black

D - 16-pin connector -T16e- , black

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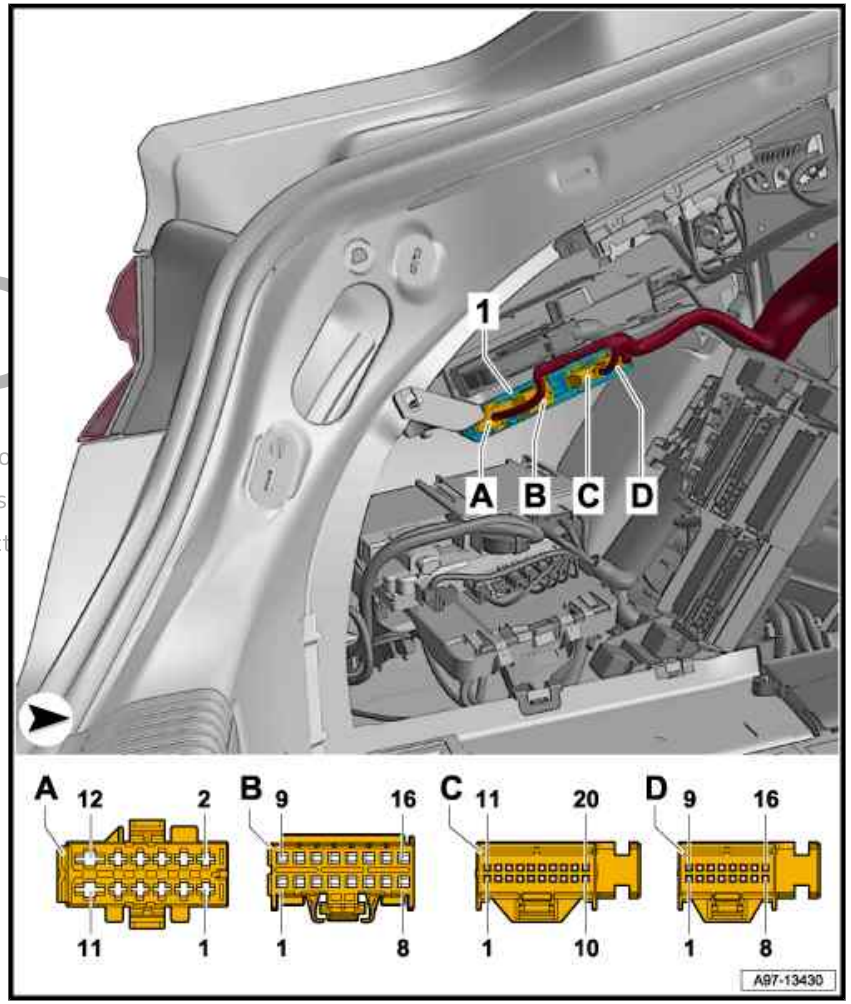

Connector assignment, special vehicle control unit -J608- (Coupé or Sportback)

-T12o- (A)	Designation		-T16d- (B)	Designation
1			1	Driving aids button -E767-
2			2	
3			3	
4	Driving aids operating unit -E770-		4	
5			5	

-T12o- (A)	Designation
6	
7	
8	
9	Terminal 31
10	Terminal 30a
11	Terminal 31
12	Terminal 30a

-T16d- (B)	Designation
6	
7	
8	
9	
10	
11	
12	
13	Coupling point in centre of interior -TIM-
14	
15	
16	

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-T20k- (C)	Designation
1	
2	
3	
4	Coupling point in centre of interior -TIM-
5	Coupling point in centre of interior -TIM-
6	Coupling point in centre of interior -TIM-
7	Coupling point in centre of interior -TIM-
8	
9	
10	Driving aids button -E767-
11	
12	
13	
14	
15	
16	
17	
18	
19	

-T16e- (D)	Designation
1	CAN bus
2	CAN bus
3	
4	
5	
6	Driving aids operating unit -E770-
7	Driving aids operating unit -E770-
8	
9	
10	
11	
12	
13	
14	
15	
16	

-T20k- (C)	Designation		-T16e- (D)	Designation
20				

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1.22.2 Special vehicle control unit -J608- (Cabriolet)

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Fitting location

on left in luggage compartment, behind the side trim.

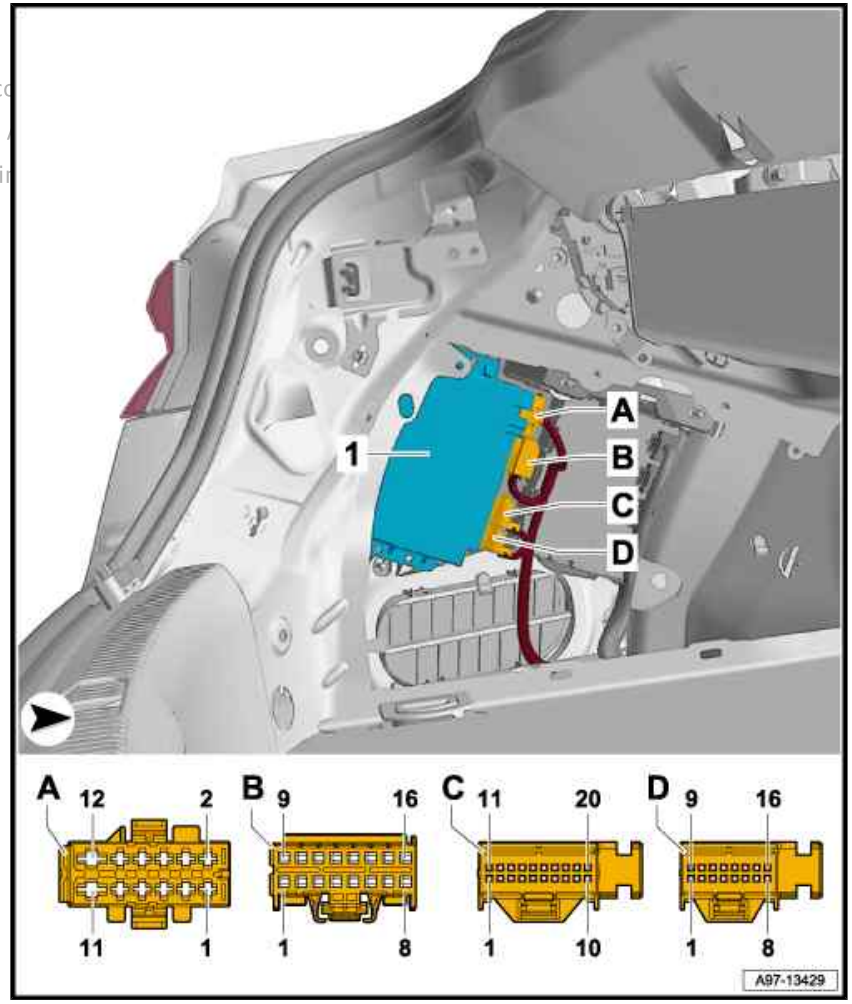
1 - Special vehicle control unit -J608-

A - 12-pin connector -T12o- , black

B - 16-pin connector -T16d- , black

C - 20-pin connector -T20k- , black

D - 16-pin connector -T16e- , black



Connector assignment, special vehicle control unit -J608- (Cabriolet)

-T12o- (A)	Designation		-T16d- (B)	Designation
1			1	Driving aids button -E767-
2			2	
3			3	
4	Driving aids operating unit -E770-		4	
5			5	
6			6	
7			7	
8			8	
9	Terminal 31		9	
10	Terminal 30a		10	
11	Terminal 31		11	
12	Terminal 30a		12	
			13	Coupling point in centre of interior -TIM-
			14	
			15	
			16	

-T20k- (C)	Designation		-T16e- (D)	Designation
1			1	CAN bus
2			2	CAN bus
3			3	
4	Coupling point in centre of interior -TIM-		4	
5	Coupling point in centre of interior -TIM-		5	
6	Coupling point in centre of interior -TIM-		6	Driving aids operating unit -E770-
7	Coupling point in centre of interior -TIM-		7	Driving aids operating unit -E770-
8			8	
9			9	
10	Driving aids button -E767-		10	
11			11	
12			12	
13			13	

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-T20k- (C)	Designation		-T16e- (D)	Designation
14			14	
15			15	
16			16	
17				
18				
19				
20				

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1.23 Battery 48 V -A6-

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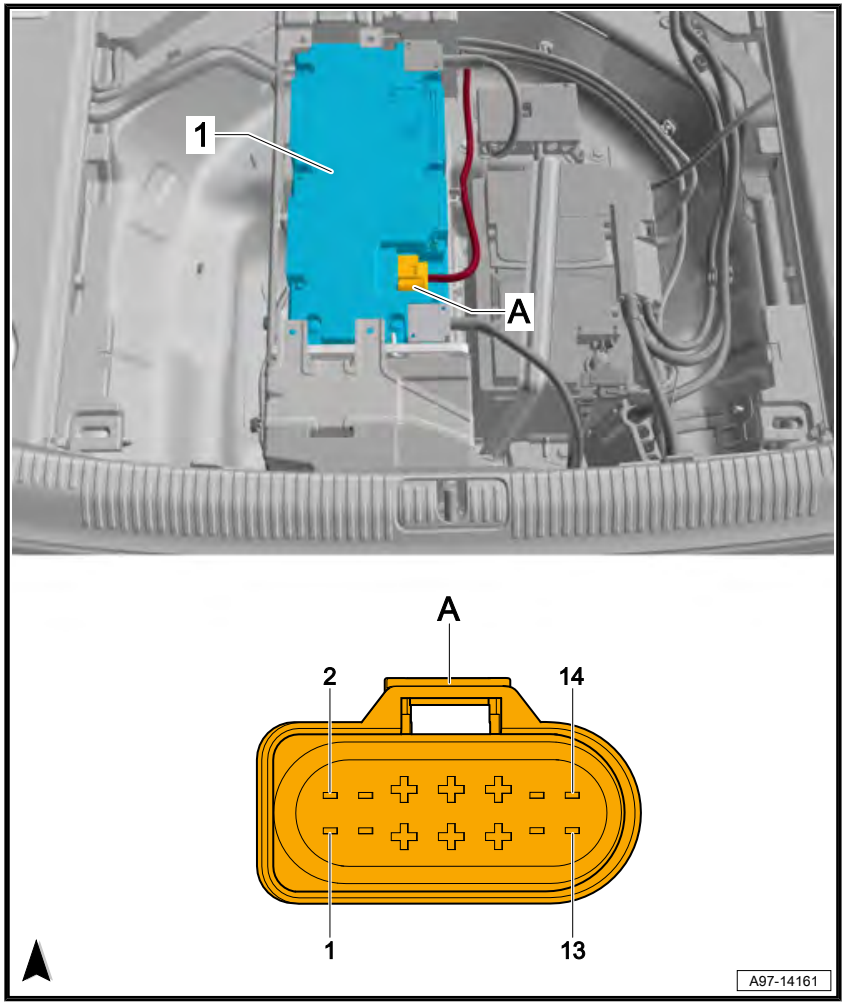
Fitting location

In luggage compartment.

1 - Battery 48 V -A6-

A - 14-pin connector -T14i- , black



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Connector assignment Battery, 48 V -A6-

-T14i- (A)	Designation
1	CAN-H
2	CAN-L
3	Airbag control unit -J234-
4	
5	

-T14i- (A)	Designation
6	
7	
8	
9	GND
10	KL30
11	
12	Airbag control unit -J234-
13	
14	

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1.24 Voltage converter, 48 V/12 V -A7-

Fitting location

on right in luggage compartment, behind the side trim.

1 - Voltage converter, 48 V/12 V -A7-

A - 10-pin connector -T10ah- , black

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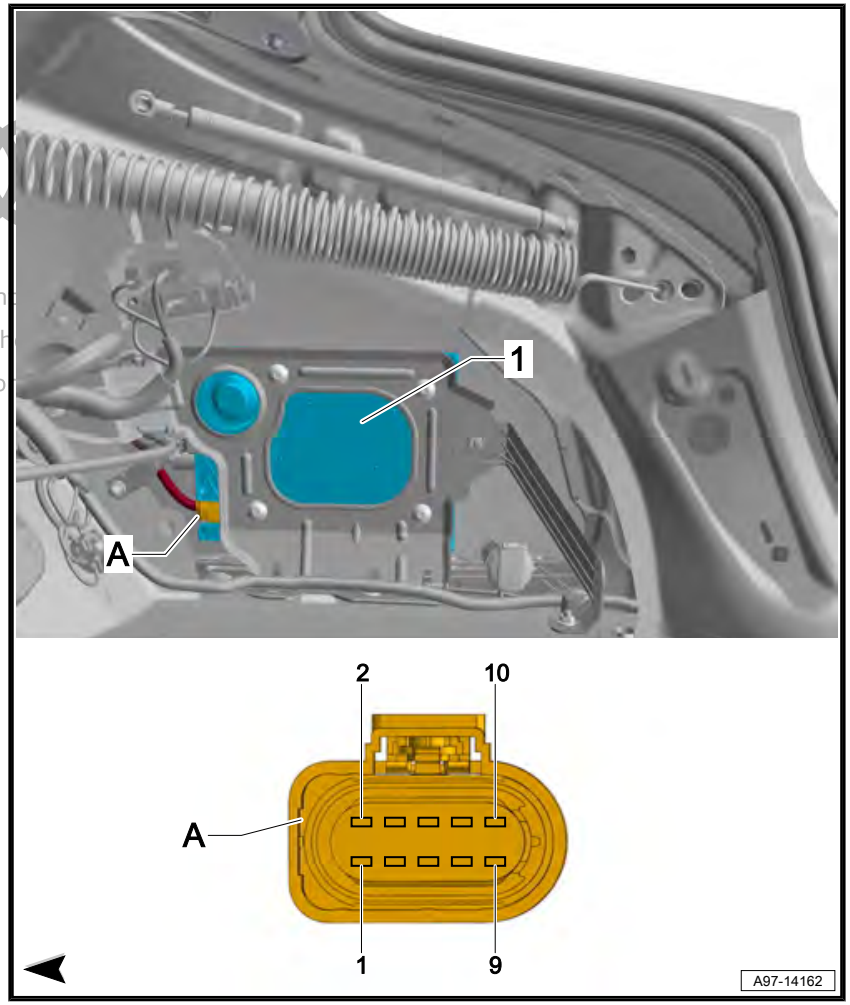

Connector assignment voltage converter, 48 V/12 V -A7-

-T10ah- (A)	Designation
1	
2	
3	Voltage converter fan -V664-
4	
5	CAN-H

-T10ah- (A)	Designation
6	Voltage converter fan -V664-
7	CAN-L
8	Voltage converter fan -V664-
9	
10	

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1.25 Fitting location emergency call module control unit and communication unit -J949-

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1.25.1 Fitting location, emergency call module control unit and communication unit -J949- (Coupé or Sportback)

Fitting location

In luggage compartment.

1 - Emergency call module control unit and communication unit -J949-

A - 20-pin connector -T20i- , black
- ❑ Up to September 2019

A - 20-pin connector -T20ad- , black
- ❑ from October 2019

B - 20-pin connector -T20j- , translucent
- ❑ Up to September 2019

B - 20-pin connector -T20aj- , translucent
- ❑ from October 2019

C - not assigned
- ❑ Up to September 2019

C - 8-pin connector -T8cm- , white
- ❑ from October 2019

D - 2-pin connector -T2ja- , pink
- ❑ Up to September 2019

D - 2-pin connector -T2jb- , pink
- ❑ from October 2019

E - 8-pin connector -T8bc- , black
- ❑ Up to September 2019

E - 8-pin connector -T8cp- , black
- ❑ from October 2019

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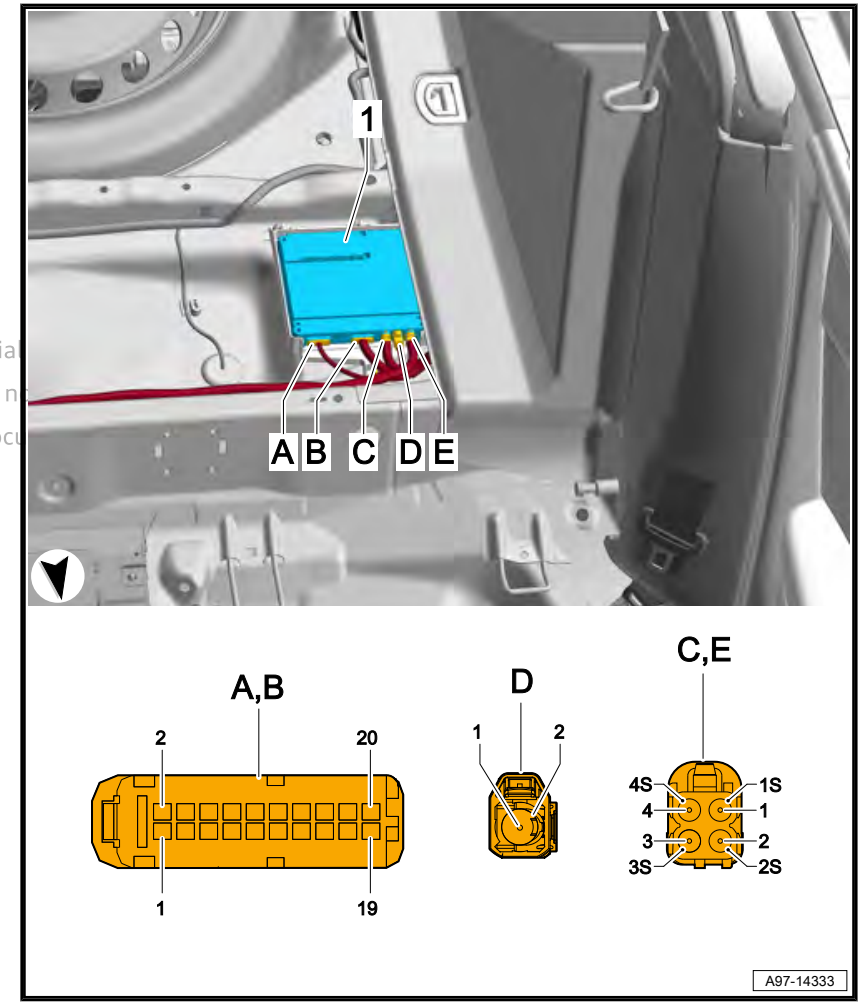

Connector assignment, emergency call module control unit and communication unit -J949- , to September 2019

-T20i- (A)	Designation		-T20i- (A)	Designation
1	GND		11	SIG, airbag control unit -J234-
2			12	
3	KL30		13	
4			14	
5	SIG15		15	

-T20i- (A)	Designation		-T20i- (A)	Designation
6			16	
7			17	DATA, data bus diagnostic interface -J533-
8			18	
9	CAN-L, data bus diagnostic interface -J533-		19	DATA, data bus diagnostic interface -J533-
10	CAN-H, data bus diagnostic interface -J533-		20	

-T20j- (B)	Designation		-T20j- (B)	Designation
1	Control unit 1 for information electronics -J794-		11	Control unit 1 for information electronics -J794-
2	Control unit 1 for information electronics -J794-		12	Control unit 1 for information electronics -J794-
3	Control unit 1 for information electronics -J794-		13	
4	Control unit 1 for information electronics -J794-		14	
5	Control unit for seat belt microphone -J886- (for Cabriolet)		15	Emergency call module loudspeaker -R335-
6	Control unit for seat belt microphone -J886- (for Cabriolet)		16	
7	Microphone unit in front roof module -R164-		17	Emergency call module loudspeaker -R335-
8	Microphone unit in front roof module -R164-		18	
9	Microphone unit in front roof module -R164-		19	
10	Microphone unit in front roof module -R164-		20	

Connector assignment, emergency call module control unit and communication unit -J949- , from October 2019

-T20ad- (A)	Designation		-T20ad- (A)	Designation
1	GND		11	SIG, airbag control unit -J234-
2			12	
3			13	
4	KL30		14	
5	SIG15		15	
6			16	
7			17	DATA, data bus diagnostic interface -J533-
8			18	
9	CAN-L, data bus diagnostic interface -J533-		19	DATA, data bus diagnostic interface -J533-
10	CAN-H, data bus diagnostic interface -J533-		20	

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-T20aj- (B)	Designation		-T20aj- (B)	Designation
1	SIG, control unit 1 for information electronics -J794-		11	DATA
2			12	
3			13	DATA
4			14	
5	SIG+, microphone unit in front roof module -R164- (for Cabriolet)		15	SIG+, emergency call module loudspeaker -R335-
6	SIG-, microphone unit in front roof module -R164- (for Cabriolet)		16	
7	SIG+, microphone unit in front roof module -R164-		17	SIG-, emergency call module loudspeaker -R335-
8	SIG-, microphone unit in front roof module -R164-		18	
9	SIG+, microphone unit in front roof module -R164-		19	
10	SIG-, microphone unit in front roof module -R164-		20	

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1.25.2 Fitting location, emergency call module control unit and communication unit -J949- (Cabriolet)

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Fitting location

Near rear seat bench.

1 - Emergency call module control unit and communication unit -J949-

A - 20-pin connector -T20i- , black

- ❑ Up to September 2019

A - 20-pin connector -T20ad- , black

- ❑ from October 2019

B - 20-pin connector -T20j- , translucent

- ❑ Up to September 2019

B - 20-pin connector -T20aj- , translucent

- ❑ from October 2019

C - not assigned

- ❑ Up to September 2019

C - 8-pin connector -T8cm- , white

- ❑ from October 2019

D - 2-pin connector -T2ja- , pink

- ❑ Up to September 2019

D - 2-pin connector -T2jb- , pink

- ❑ from October 2019

E - 8-pin connector -T8bc- , black

- ❑ Up to September 2019

E - 8-pin connector -T8cp- , black

- ❑ from October 2019

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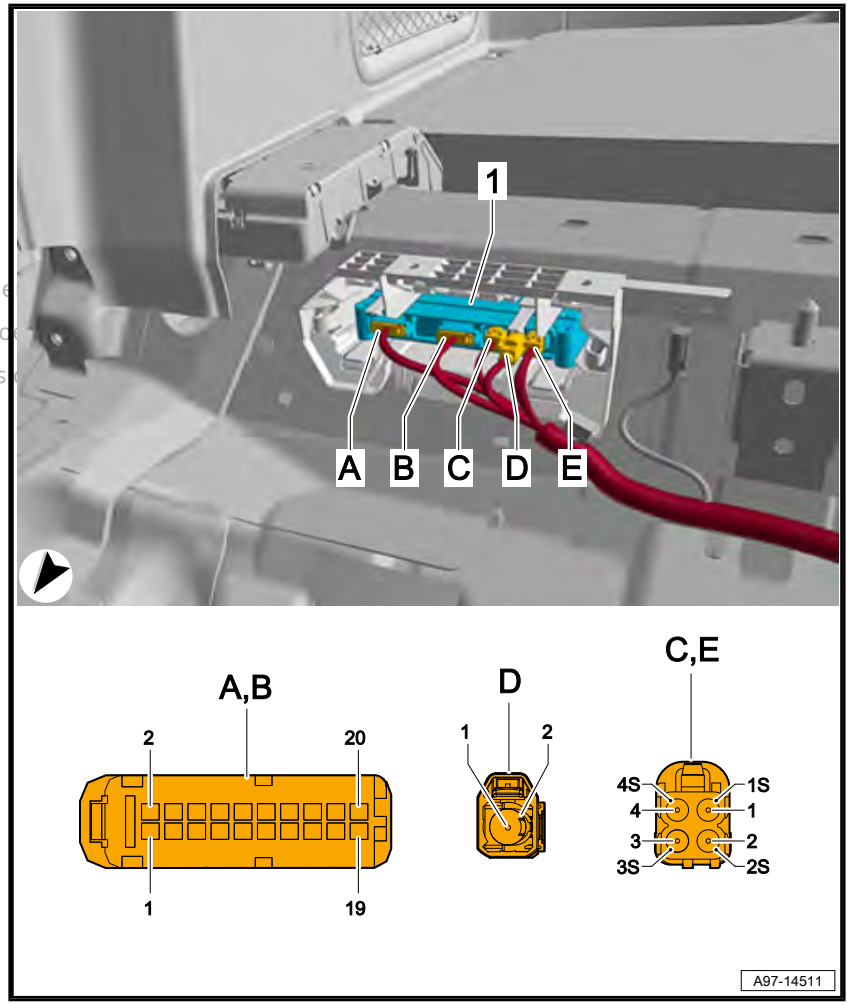

Connector assignment, emergency call module control unit and communication unit -J949- , to September 2019 ⇒ page 59

Connector assignment, emergency call module control unit and communication unit -J949- , from October 2019 ⇒ page 60

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1 Coupling points

1.1 Coupling point at top of engine -TMO- / coupling point at left in engine compartment -TML- / coupling point at centre in engine compartment -TMM- / coupling point in engine compartment -TM-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

1.1.1 Coupling point in engine compartment -TM- , all engines

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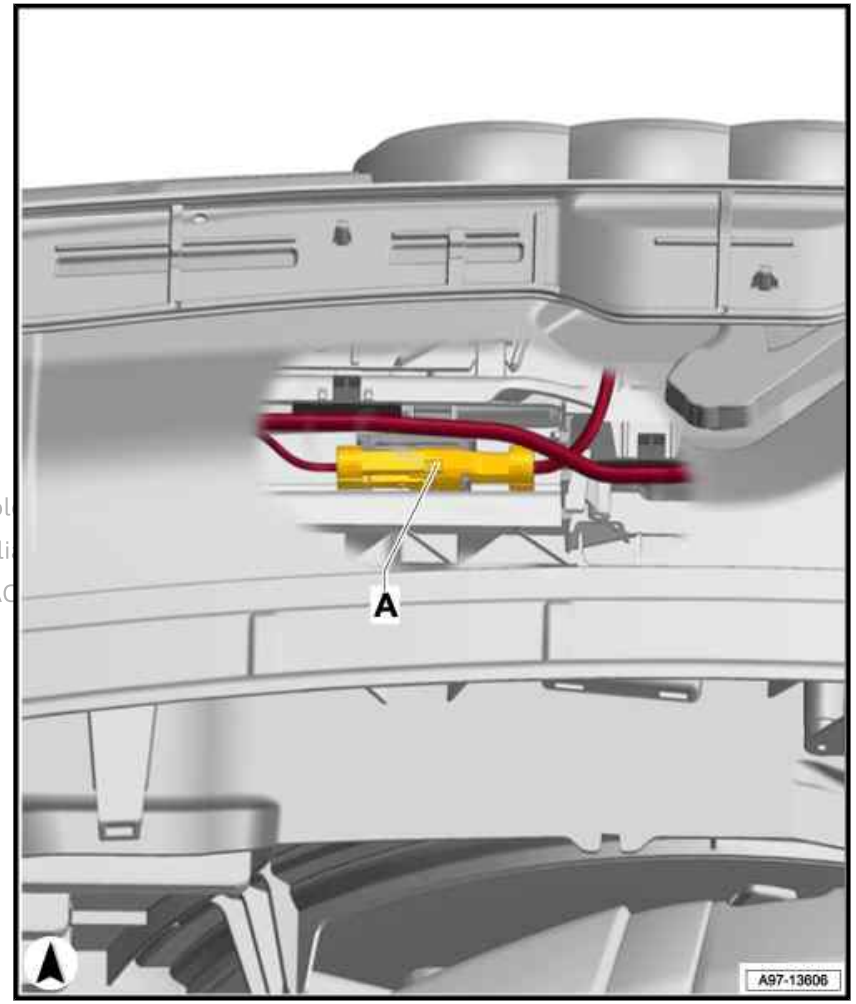
A - 5-pin connector -T5p- , black/ 5-pin connector -T5px- , black



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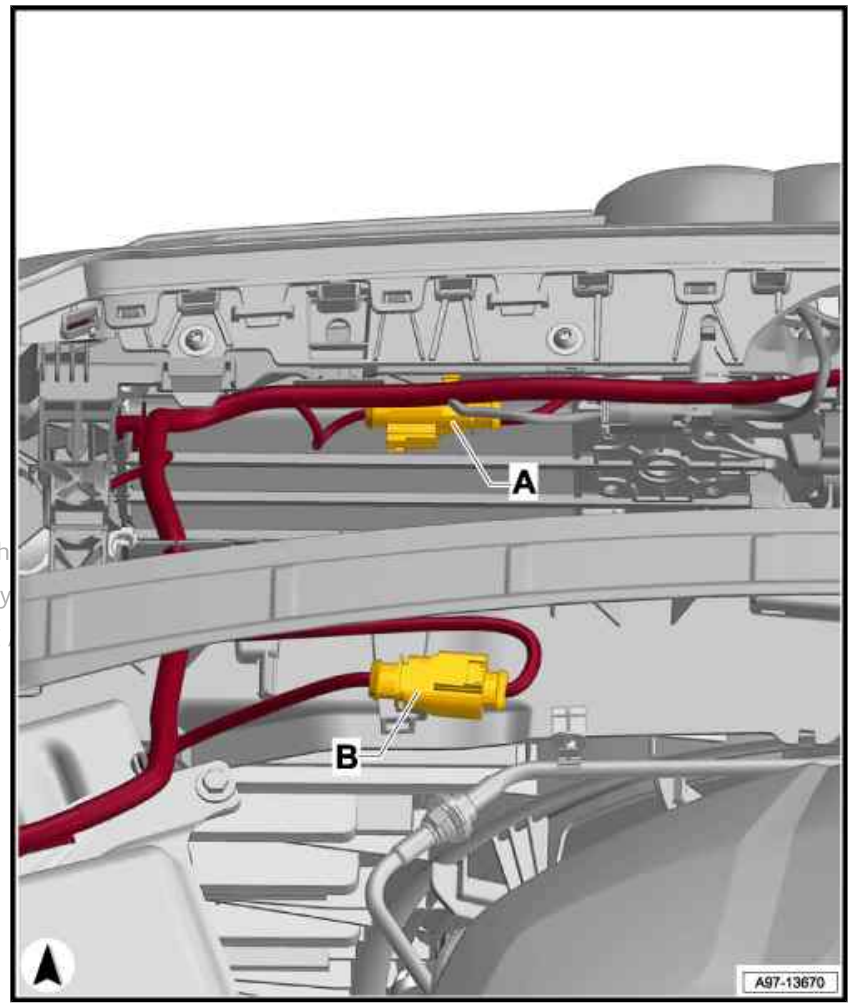
1.1.2 Coupling point for radiator blind -TKJ- / Coupling point in engine compartment -TM-

A - 4-pin connector -T4ja- , black/ 4-pin connector -T4jax- , black

- ❑ 2.0 litre diesel engines
- ❑ Natural gas engines

B - 4-pin connector -T4ia- , black/ 4-pin connector -T4iax- , black

- ❑ Natural gas engines



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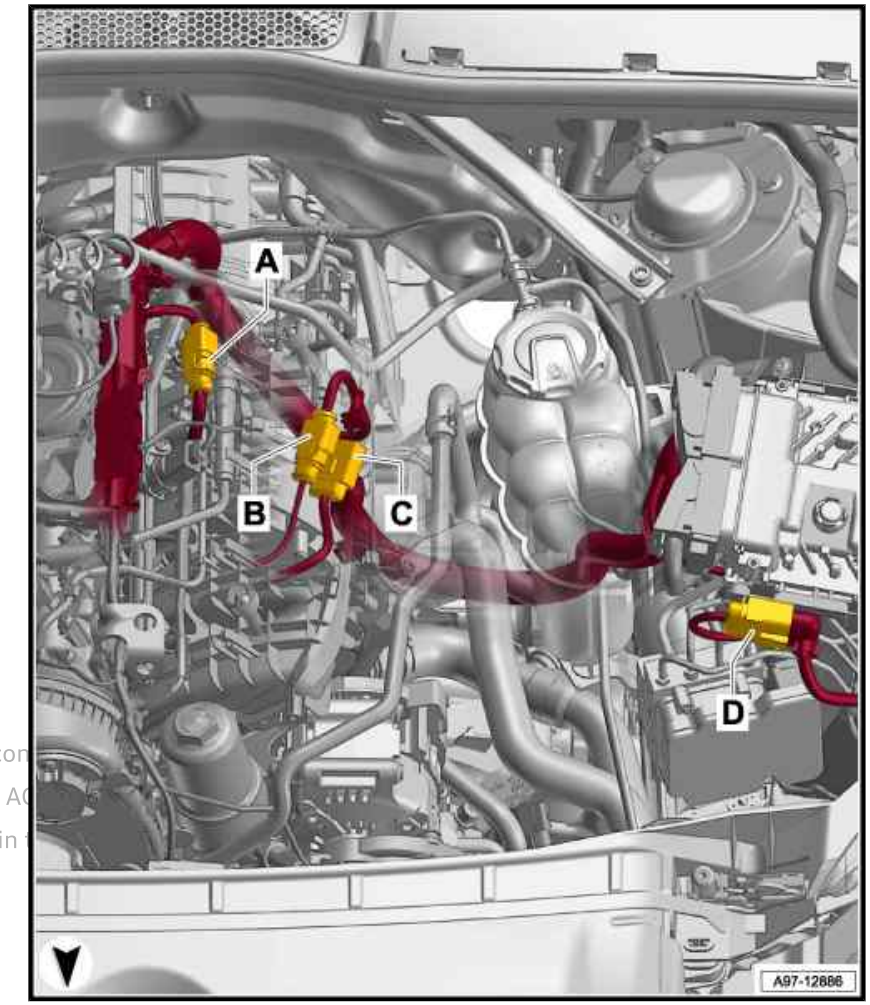
1.1.3 Coupling point in engine compartment -TM- / coupling point at left in engine compartment -TML- / coupling point at centre of engine compartment -TMM- / coupling point at top of engine compartment -TMO- , 2.0 l petrol engine

A - 8-pin connector -T8g- , black/ 8-pin connector -T8gx- , black

B - 8-pin connector -T8f- , black/ 8-pin connector -T8fx- , black

C - 14-pin connector -T14b- , black/ 14-pin connector -T14bx- , black

D - 14-pin connector -T14a- , black/ 14-pin connector -T14ax- , black



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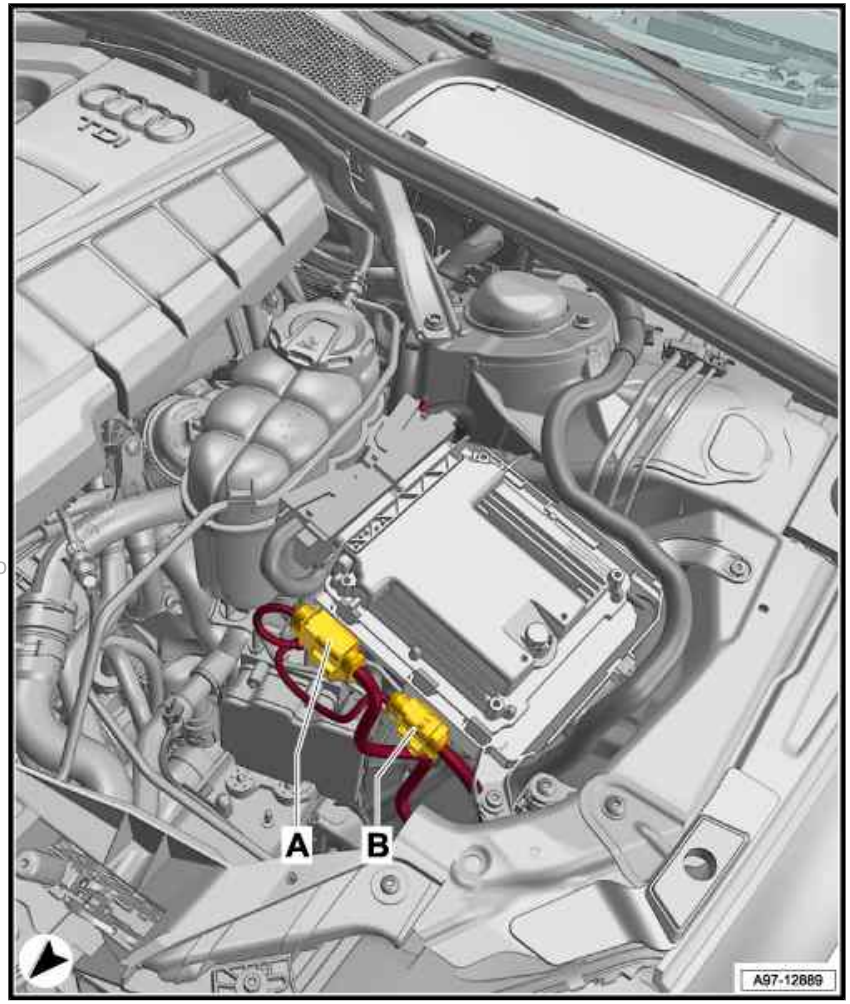
1.1.4 Coupling point at left in engine compartment -TML- , 1.4 l petrol engine or 2.0 l diesel engine

A - 14-pin connector -T14a- , black/ 14-pin connector -T14ax- , black

- ❑ only with 1.4 l petrol engine
- ❑ only with 2.0 l diesel engine

B - 14-pin connector -T14c- , black/ 14-pin connector -T14cx- , black

- ❑ only with 2.0 l diesel engine



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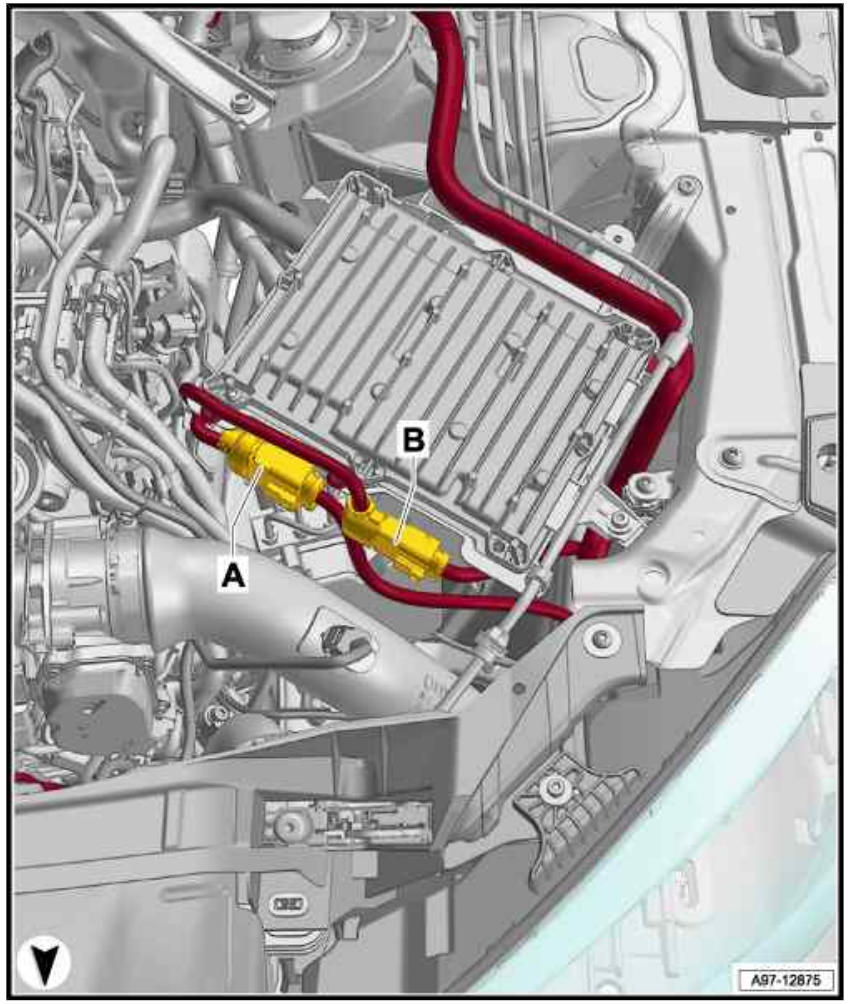
1.1.5 Coupling point at left in engine compartment -TML- , 3.0 l diesel engine

A - 14-pin connector -T14a- , black/ 14-pin connector -T14ax- , black

B - 14-pin connector -T14c- , black/ 14-pin connector -T14cx- , black



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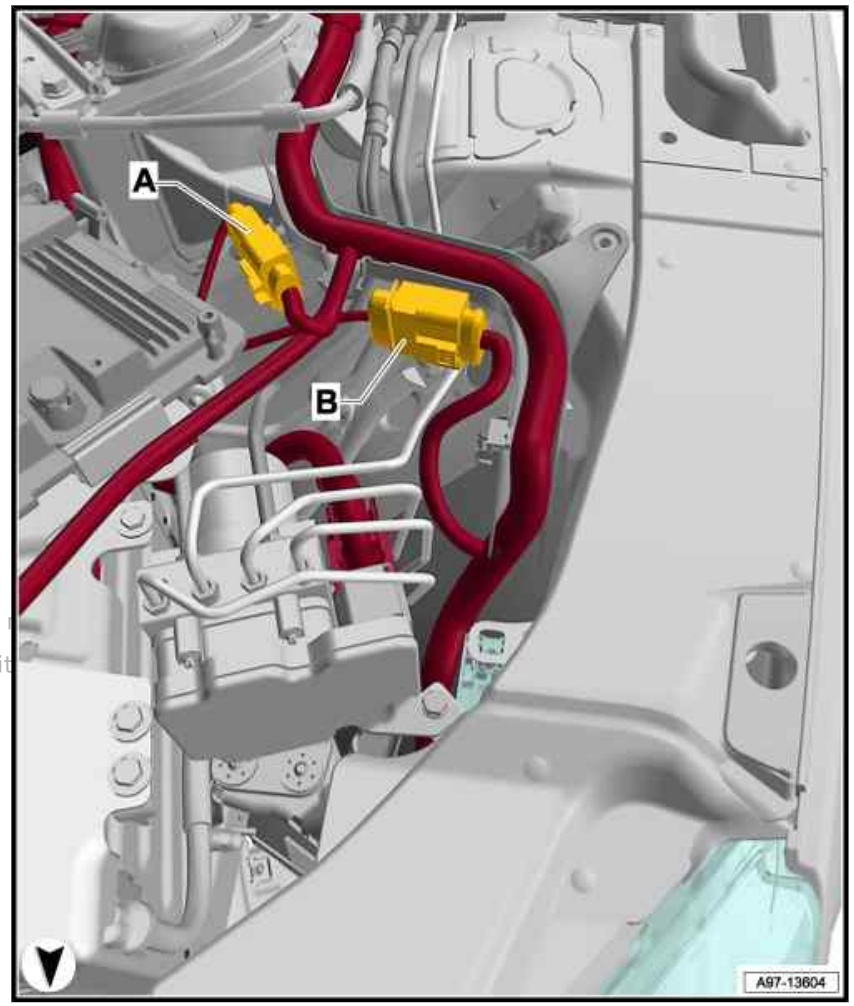
1.1.6 Coupling point on left in engine compartment -TML- , 2.0 l CNG engine

A - 14-pin connector -T14a- , black/ 14-pin connector -T14ax- , black

B - 14-pin connector -T14e- , black/ 14-pin connector -T14ex- , black



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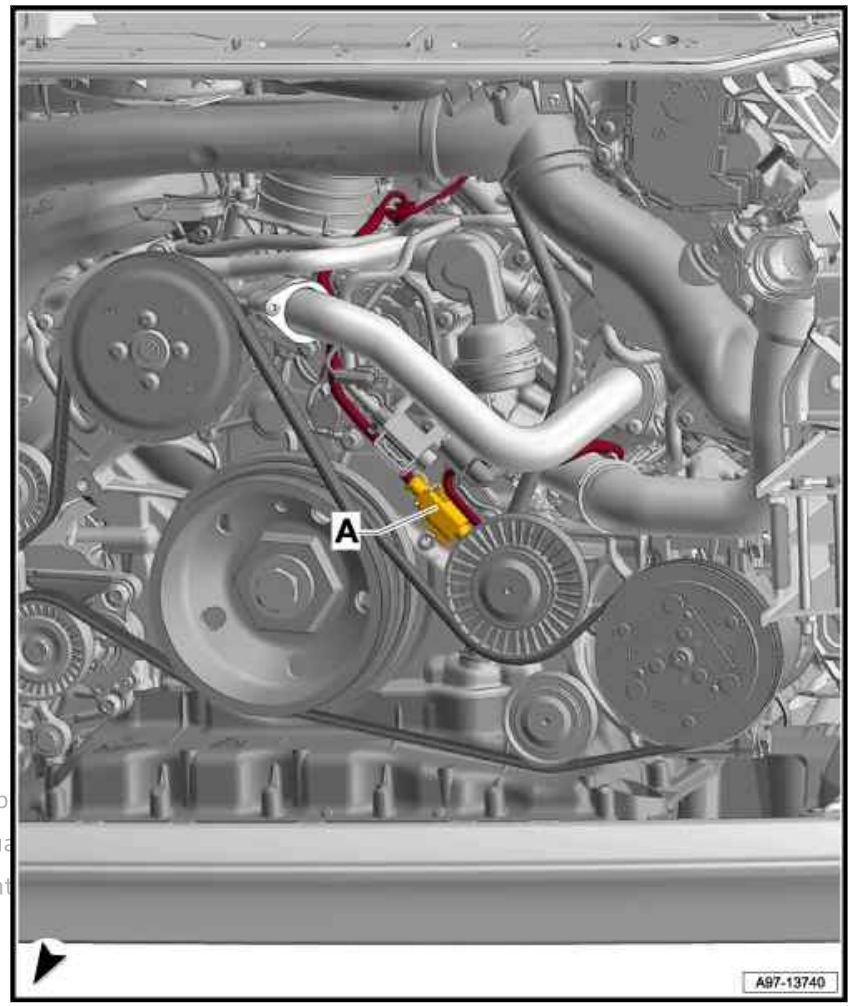
1.1.7 Coupling point in middle of engine compartment -TMM- , 3.0 litre petrol engine

A - 6-pin connector -T6m- , black/ 6-pin connector -T6mx- , black

- ❑ According to equipment

B - 10-pin connector -T10ck- , black/ 10-pin connector -T10ckx- , black

- ❑ According to equipment



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1.1.8 Coupling point at left in engine compartment -TMM- , 3.0 l diesel engine

A - 6-pin connector -T6m- , black/ 6-pin connector -T6mx- , black

B - 10-pin connector -T10f- , black/ 10-pin connector -T10fx- , black

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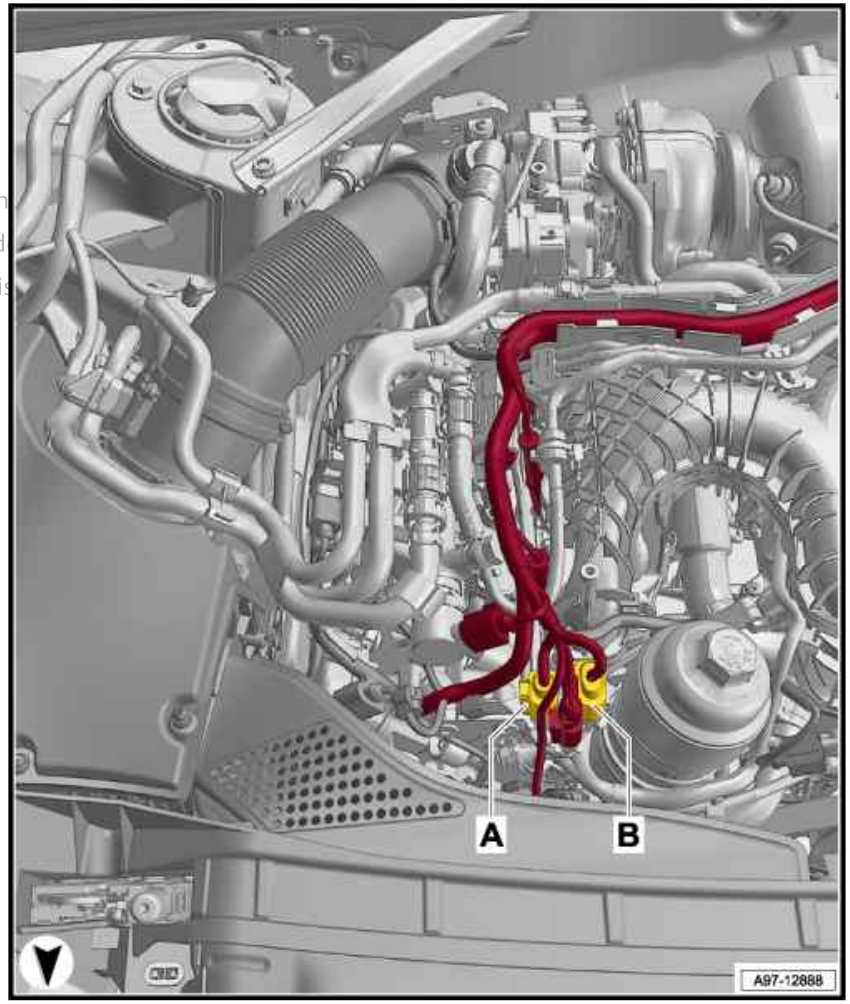
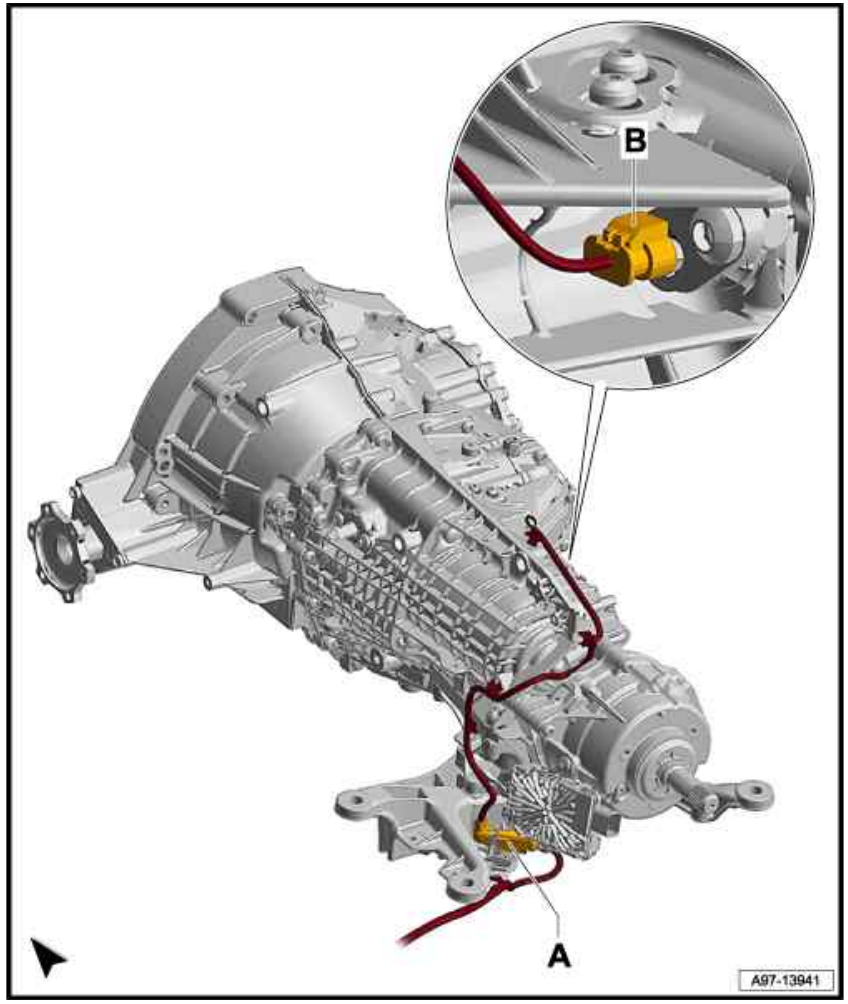


1.1.9 Coupling point 1 for engine prewiring harness, adapter wire -TMOAD1-

- For models with manual gearbox

A - Coupling point 1 for engine pre-wiring harness, adapter wire -TMOAD1- , with 3-pin connector -T3gf- , black/ 3-pin connector -T3gfx- , black

B - Gear detection sensor -G604- , with 3-pin connector -T3ge- , black, brown



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1.2 Coupling point in engine compartment, right -TMR-

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A - Single-pin connector -T1f- , black/ single-pin connector -T1fx- , black

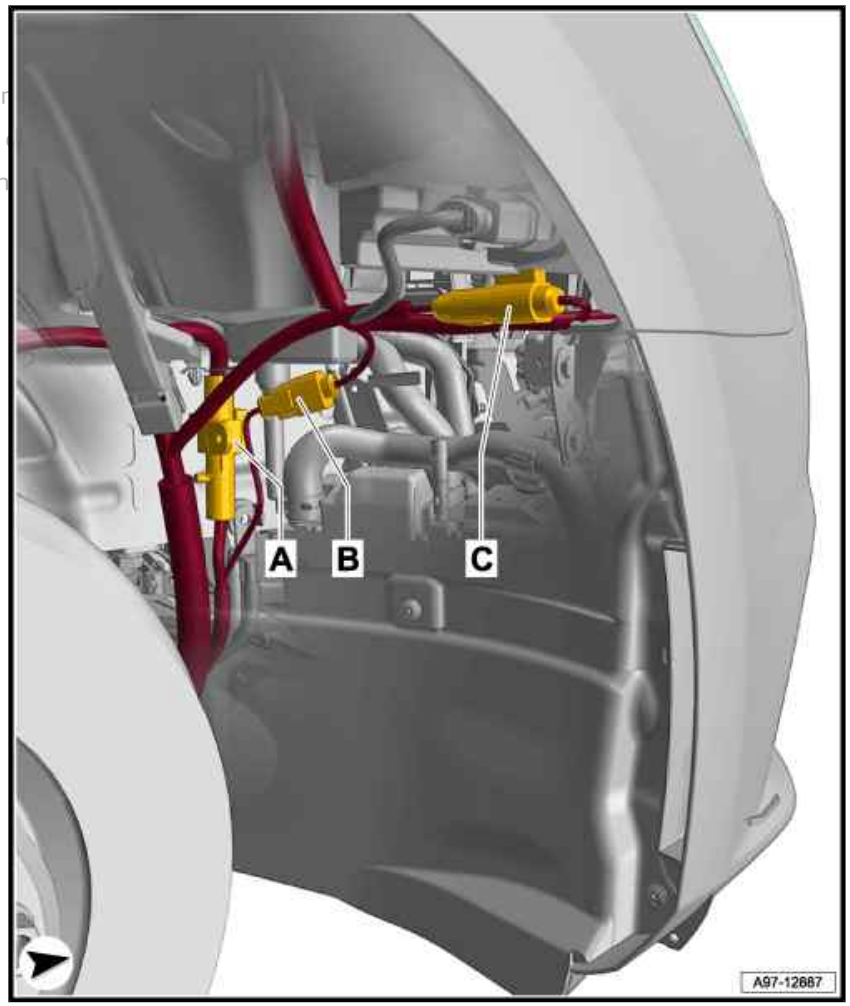
B - 3-pin connector -T3u- , black/ 3-pin connector -T3ux- , black

C - 2-pin connector -T2mr- , black/ 2-pin connector -T2mrx- , black

- ❑ According to equipment

C - 1-pin connector -T1mr- , black/ 1-pin connector -T1mrx- , black

- ❑ According to equipment



1.3 Coupling point on front left door -TTVL-

A - 28-pin connector -T28a- , black/ 28-pin connector -T28ax- , black

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1.4 Coupling point on front right door -TTVR-

A - 28-pin connector -T28b- , black/ 28-pin connector -T28bx- , black

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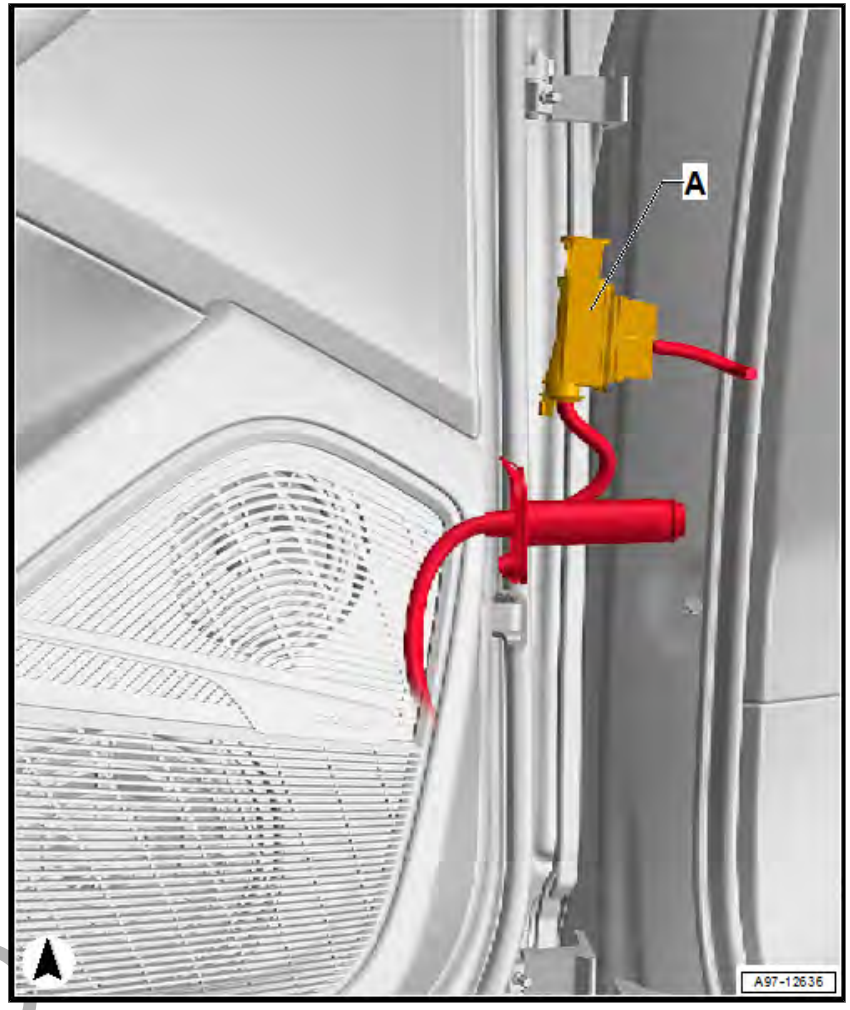
1.5 Coupling point on rear left door -TTHL-

A - 19-pin connector -T19a- , black/ 19-pin connector -T19ax- , black



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1.6 Coupling point on rear right door -TTHR-

A - 19-pin connector -T19b- , black/ 19-pin connector -T19bx- , black

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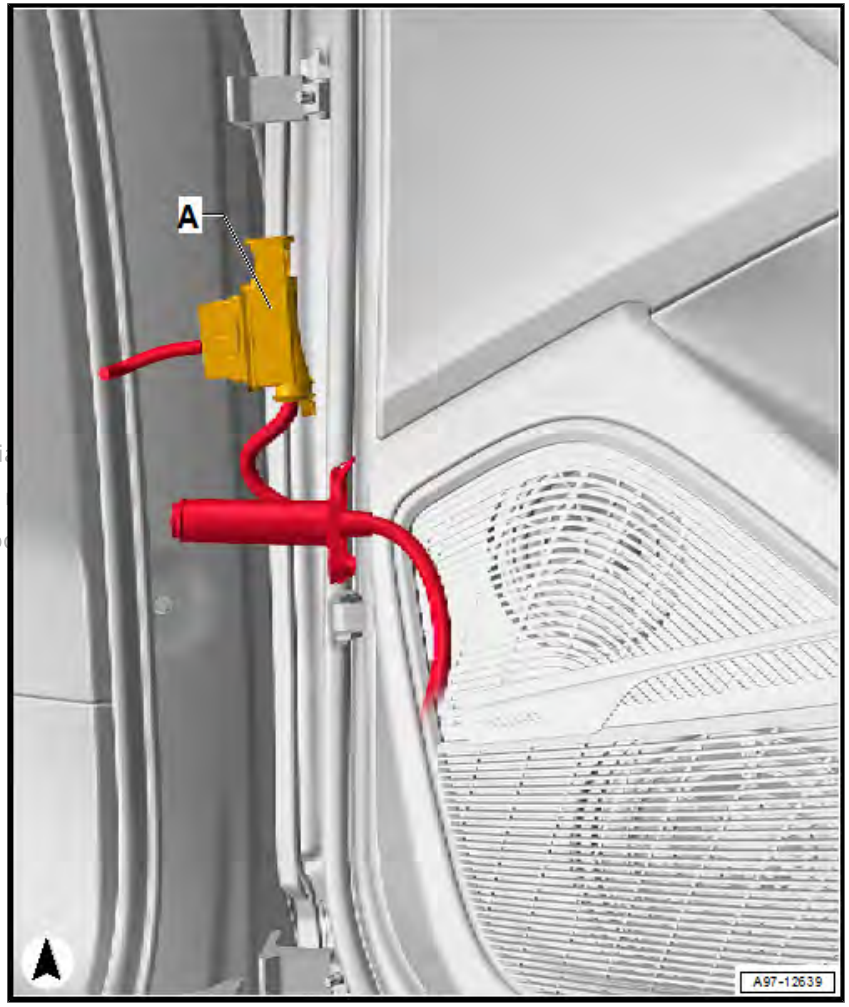


1.7 Coupling point on left A-pillar, bottom -TALU-

1.7.1 Coupling point on left A-pillar, bottom -TALU- , left-hand drive models

A - 17-pin connector -T17h- , white/ 17-pin connector -T17hx- , white

B - 17-pin connector -T17f- , red/ 17-pin connector -T17fx- , red

C - 17-pin connector -T17g- , blue/ 17-pin connector -T17gx- , blue

D - 17-pin connector -T17i- , green/ 17-pin connector -T17ix- , green

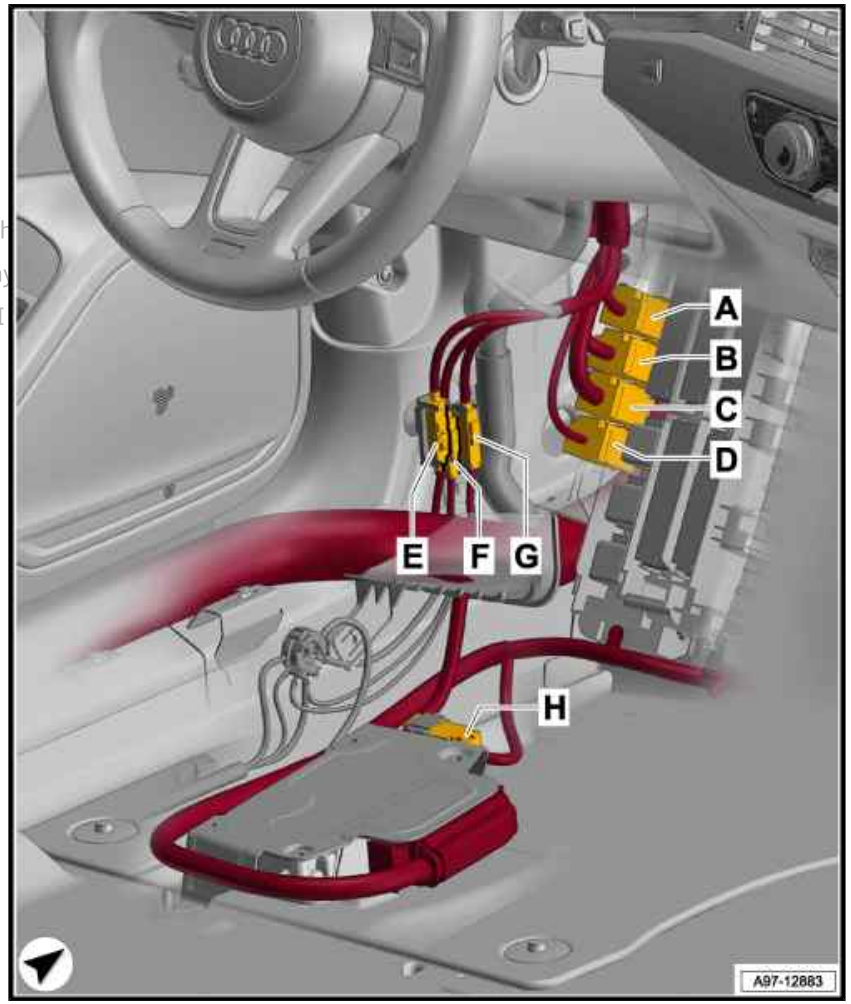
- ❑ not assigned

E - 2-pin connector -T2ac- , blue/ 2-pin connector -T2acx- , blue

F - 2-pin connector

G - 5-pin connector -T5u- , white/ 5-pin connector -T5ux- , white

H - 6-pin connector -T6aq- , green/ 6-pin connector -T6aqx- , green



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1.7.2 Coupling point on left A-pillar, bottom -TALU- , right-hand drive models

A - 2-pin connector

B - 5-pin connector -T5u- , white/ 5-pin connector -T5ux- , white

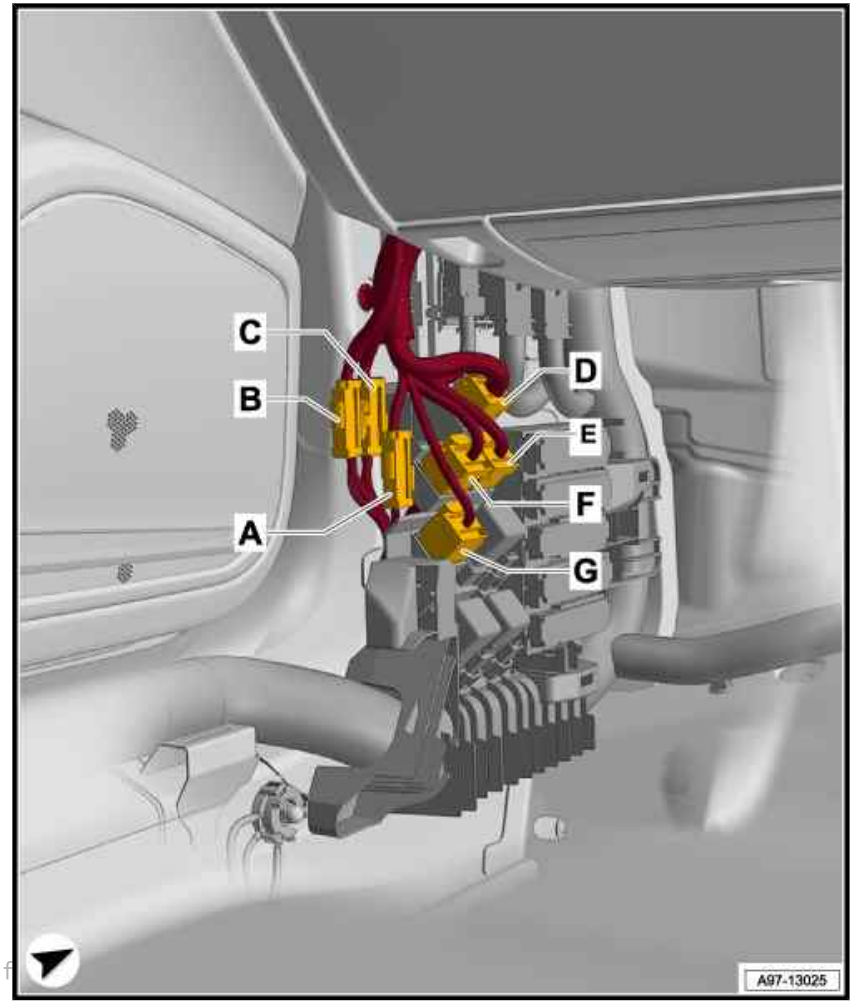
C - 2-pin connector -T2ac- , blue/ 2-pin connector -T2acx- , blue

D - 17-pin connector -T17g- , blue/ 17-pin connector -T17gx- , blue

E - 17-pin connector -T17f- , red/ 17-pin connector -T17fx- , red

F - 17-pin connector -T17h- , white/ 17-pin connector -T17hx- , white

G - 17-pin connector -T17i- , green/ 17-pin connector -T17ix- , green



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1.8 Coupling point right A-pillar, bottom -TARU-

1.8.1 Coupling point on right A-pillar, bottom -TARU- , left-hand drive models

A - 2-pin connector , purple

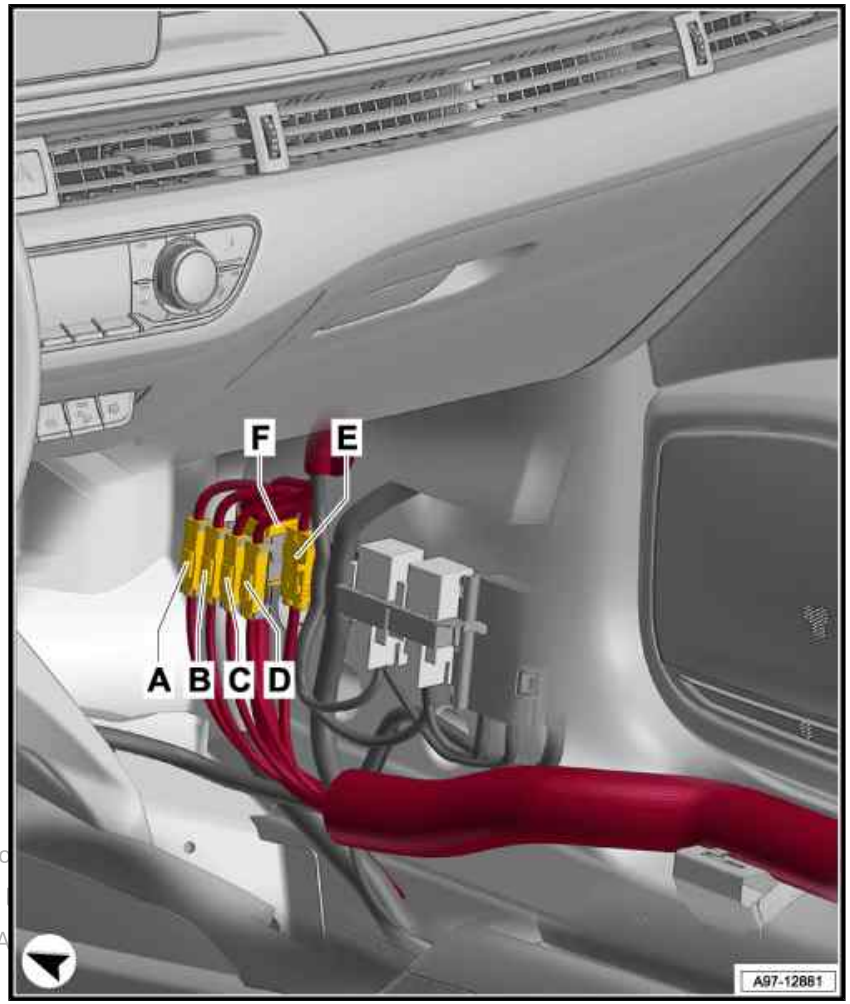
B - 2-pin connector -T2dr- , black/ 2-pin connector -T2drx- , black

C - 2-pin connector , blue

D - 2-pin connector -T2ds- , brown/ 2-pin connector -T2dsx- , brown

E - 4-pin connector -T4am- , white/ 4-pin connector -T4amx- , white

F - 17-pin connector -T17k- , black/ 17-pin connector -T17kx- , black



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1.8.2 Coupling point on right A-pillar, bottom -TARU- , right-hand drive models

A - 2-pin connector , purple

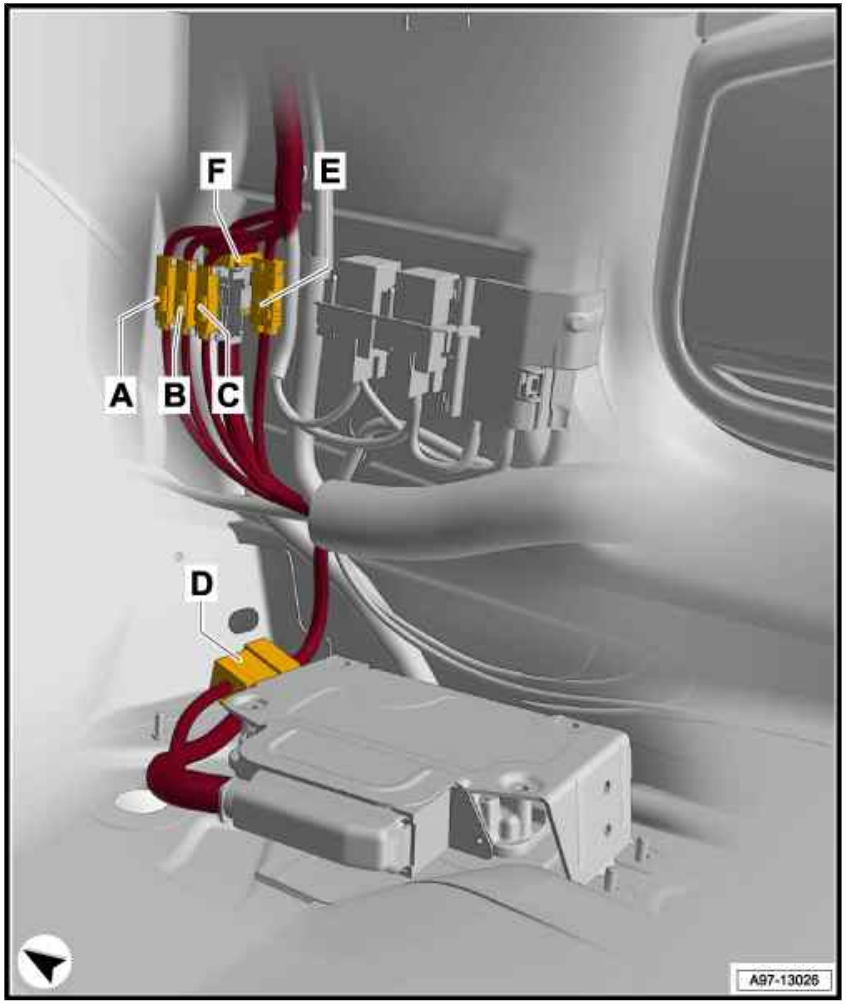
B - 2-pin connector -T2dr- , black/ 2-pin connector -T2drx- , black

C - 2-pin connector , blue

D - 6-pin connector -T6aq- , green/ 6-pin connector -T6aqx- , green

E - 4-pin connector -T4am- , white/ 4-pin connector -T4amx- , white

F - 17-pin connector -T17k- , black/ 17-pin connector -T17kx- , black



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1.9 Coupling point in centre of interior -TIM-

A - 2-pin connector -T2dz- , black/ 2-pin connector -T2dzx- , black

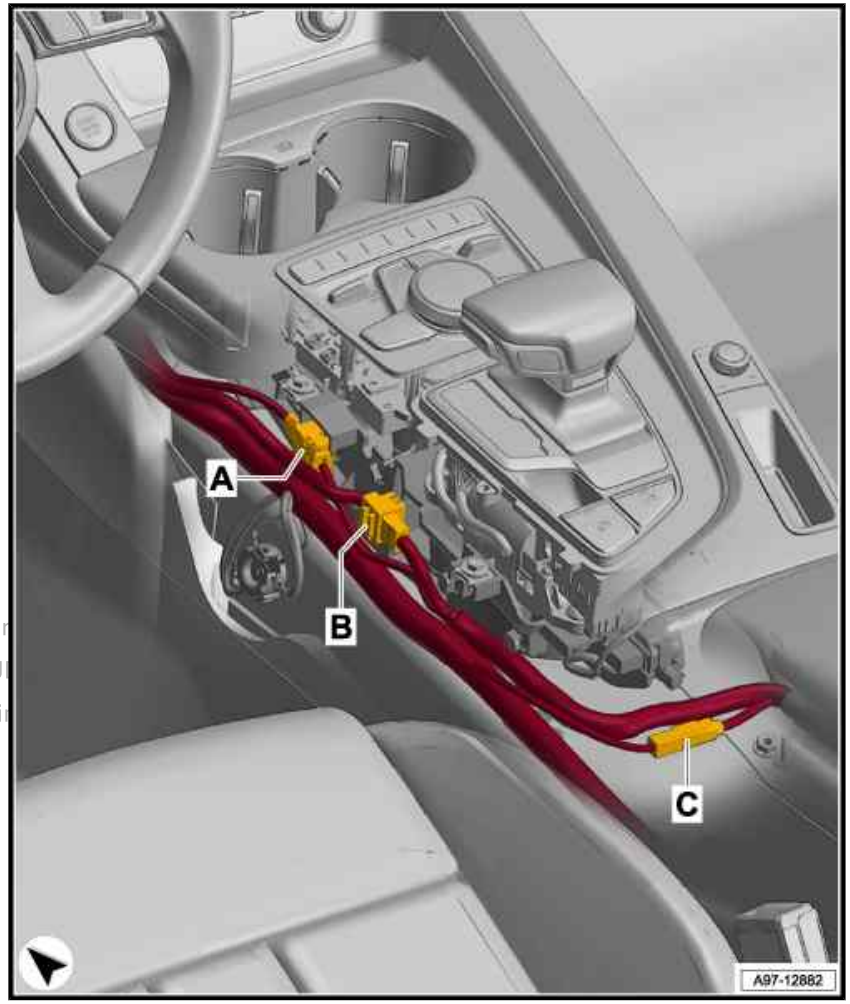
B - 10-pin connector -T10m- , black/ 10-pin connector -T10mx- , black

- ❑ Up to November 2019

B - 16-pin connector -T16v- , brown/ 16-pin connector -T16vx- , brown

- ❑ From December 2019

C - 2-pin connector -T2dk- , purple/ 2-pin connector -T2dkx- , purple



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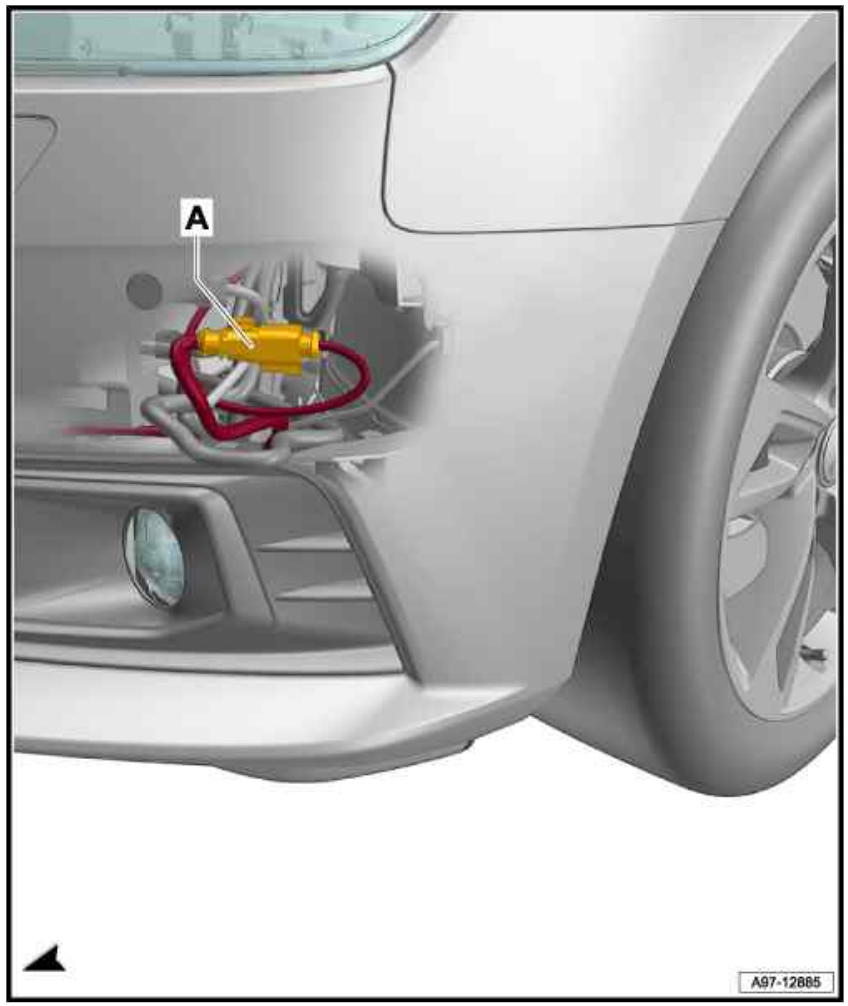
1.10 Coupling point on front left bumper -TSFVL-

A - 8-pin connector -T8d- , black/ 8-pin connector -T8dx- , black



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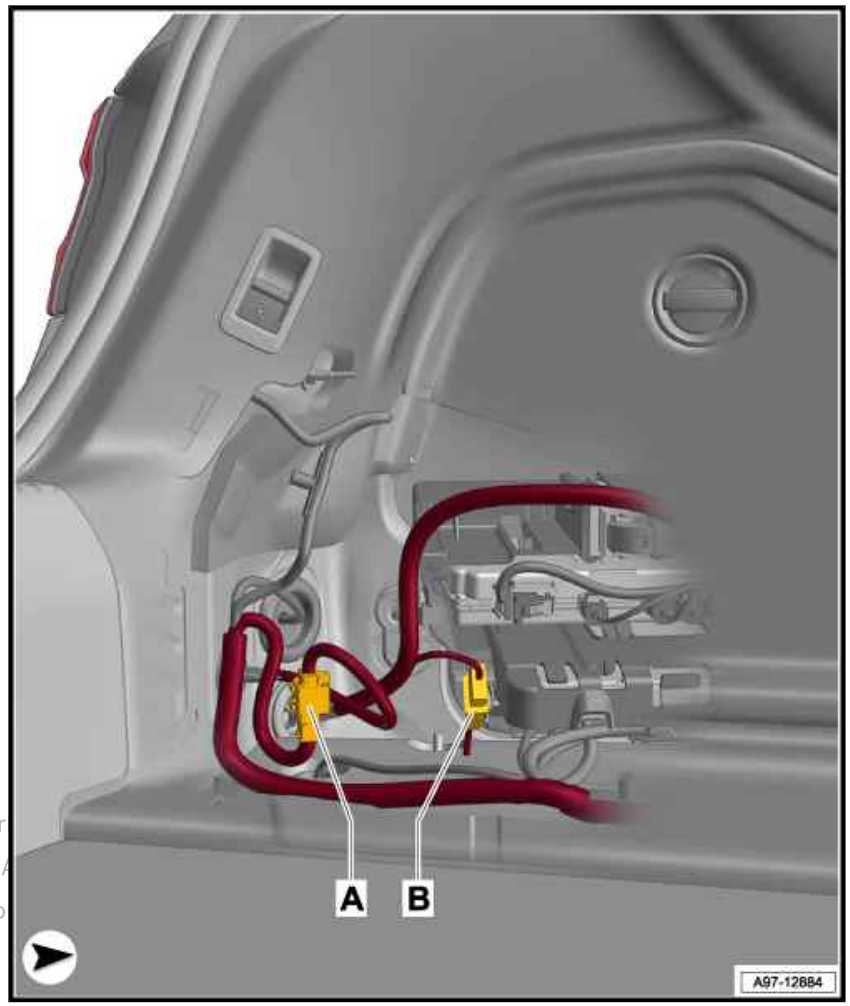
1.11 Coupling point in left of boot -THRL-

A - 16-pin connector -T16c- , brown/ 16-pin connector -T16cx- , brown

B - Single-pin connector -T1a- , black/ single-pin connector -T1ax- , black



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1.12 Coupling point for front left seat -TSVL-

A - 4-pin connector -T4sl- , black/ 4-pin connector -T4slx- , black

B - 10-pin connector -T10l- , black/ 10-pin connector -T10lx- , black

C - 3-pin connector -T3o- , yellow/ 3-pin connector -T3ox- , yellow

D - 6-pin connector -T6s- , green/ 6-pin connector -T6sx- , green

E - 17-pin connector -T17d- , red/ 17-pin connector -T17dx- , red

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1.13 Coupling point for front right seat -TSVR-

A - 6-pin connector -T6t- , green/ 6-pin connector -T6tx- , green

B - 17-pin connector -T17e- , red/ 17-pin connector -T17ex- , red

C - 3-pin connector -T3p- , yellow/ 3-pin connector -T3px- , yellow

D - 10-pin connector -T10r- , black/ 10-pin connector -T10rx- , black

E - 4-pin connector -T4sr- , black/ 4-pin connector -T4srx- , black

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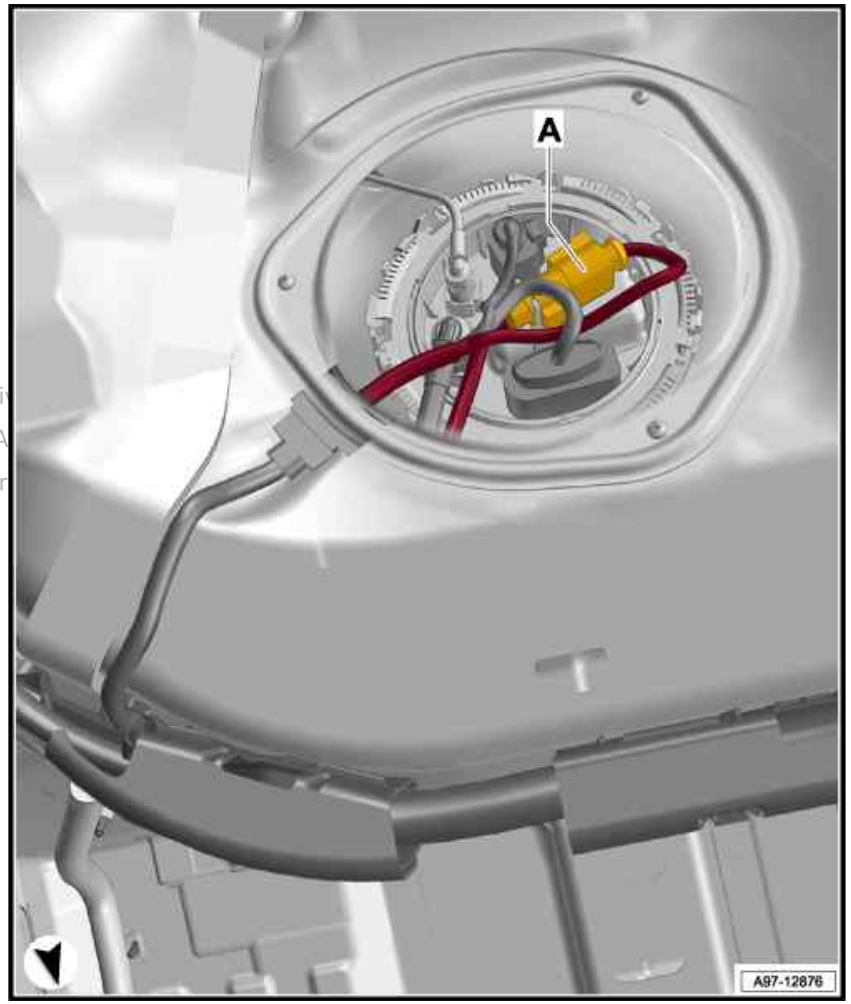
1.14 Coupling point for fuel tank -TAK-

1.14.1 Coupling point for fuel tank -TAK- , without 2.0 l CNG engine

A - 6-pin connector -T6le- , green/ 6-pin connector -T6lex- , green



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1.14.2 Coupling point for fuel tank -TAK- , with 2.0 l CNG engine

A - 14-pin connector -T14t- , black/ 14-pin connector -T14tx- , black

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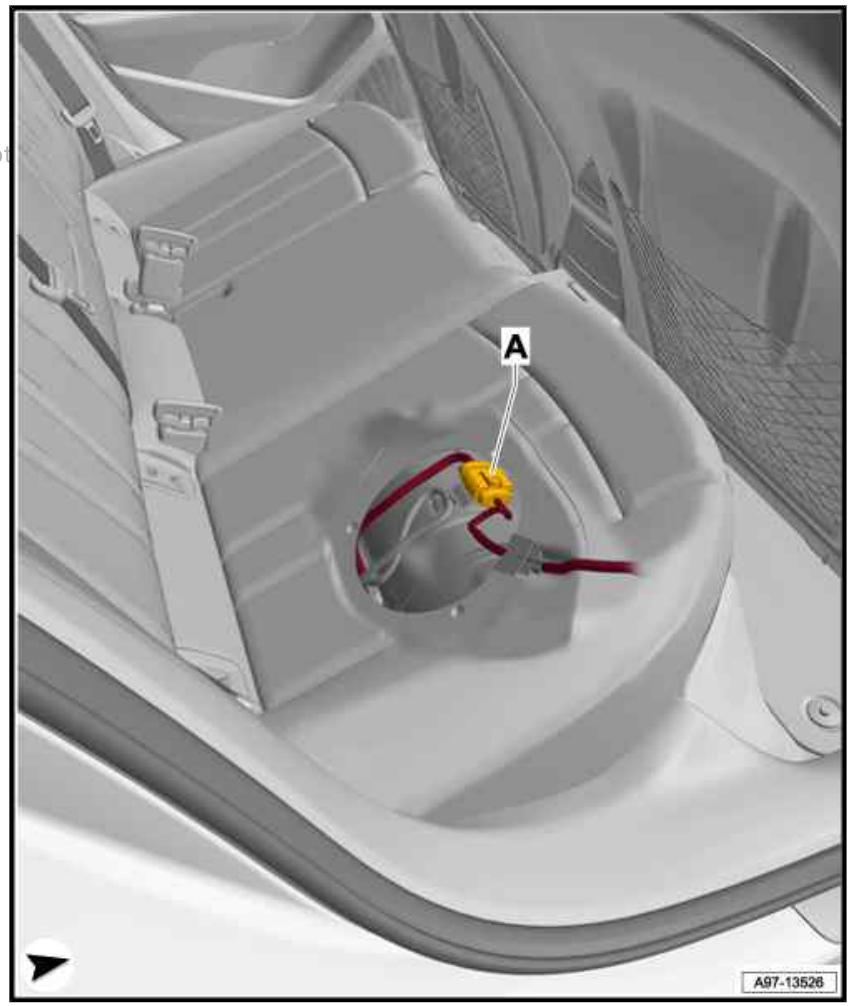

1.15 Coupling point for roof -TH-

A - 8-pin connector -T8y- , black/ 8-pin connector -T8yx- , black

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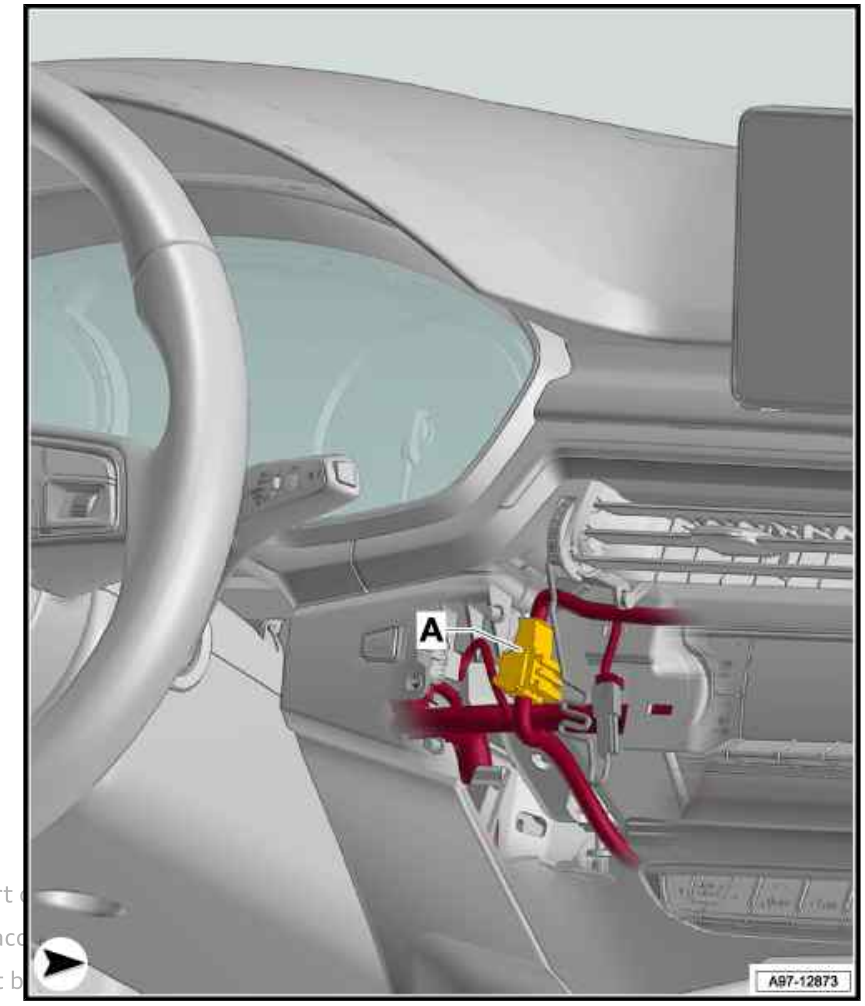
1.16 Coupling point on dash panel -TCP-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

A - 10-pin connector -T10b- , black/ 10-pin connector -T10bx- , black



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1.17 Coupling point for glove compartment wiring harness -TLH-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

A - 12-pin connector -T12h- , black/ 12-pin connector -T12hx- , black

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1.18 Coupling point for rear left seat -TSHL- / coupling point for rear right seat -TSHR-

A - 6-pin connector -T6ar- , green/ 6-pin connector -T6arx- , green

B - 6-pin connector -T6as- , green/ 6-pin connector -T6asx- , green

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1.19 Coupling point in rear left wheel housing wiring -TRAHL- / coupling point in rear right wheel housing wiring -TRAHR-

Note

Illustration shows location for rear left coupling point. Installation for rear right coupling point is laterally reversed.

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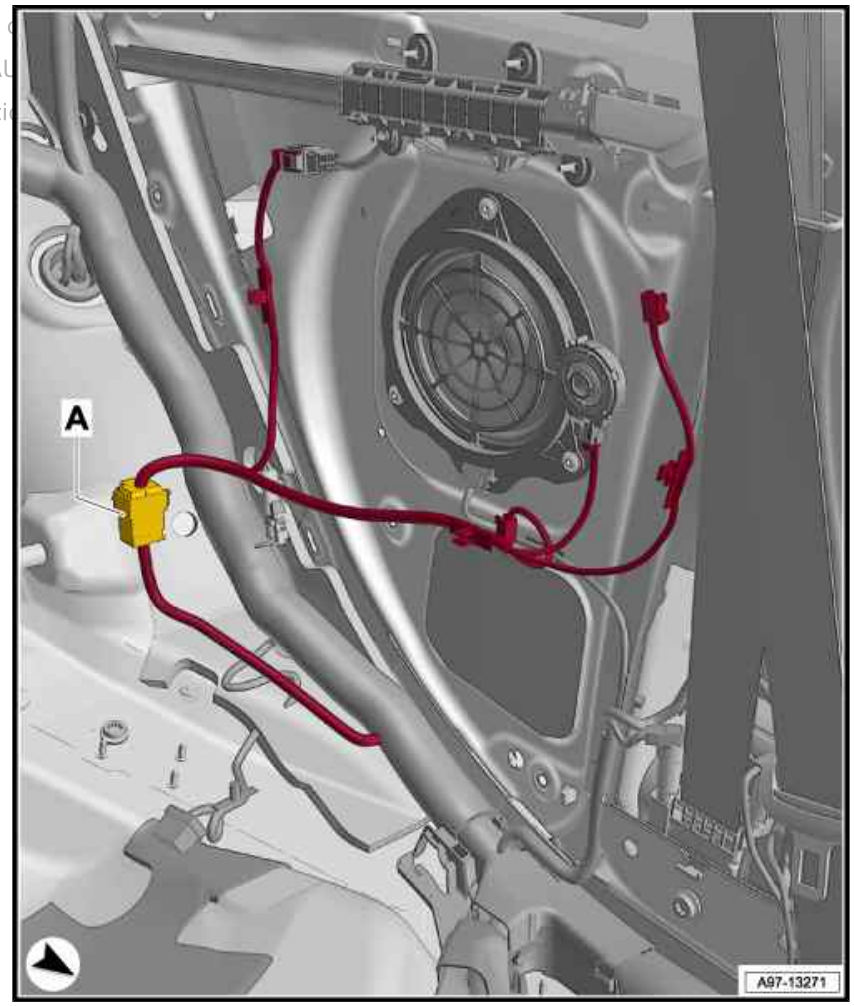
A - Coupling point in rear left wheel housing wiring -TRAHL-

- 17-pin connector -T17l- , black/ 17-pin connector -T17lx- , black (Coupé)
- 21-pin connector -T21- , black/ 21-pin connector -T21x- , black (Cabriolet)

A - Coupling point in rear right wheel housing wiring -TRAHR-

- 17-pin connector -T17m- , black/ 17-pin connector -T17mx- , black (Coupé)
- 21-pin connector -T21a- , black/ 21-pin connector -T21ax- , black (Cabriolet)



1.20 Coupling point in front left door -TTIVL- / coupling point in front right door -TTIVR-

Note

Illustration shows location for left-hand drive models. In right-hand drive models, installation is laterally reversed.

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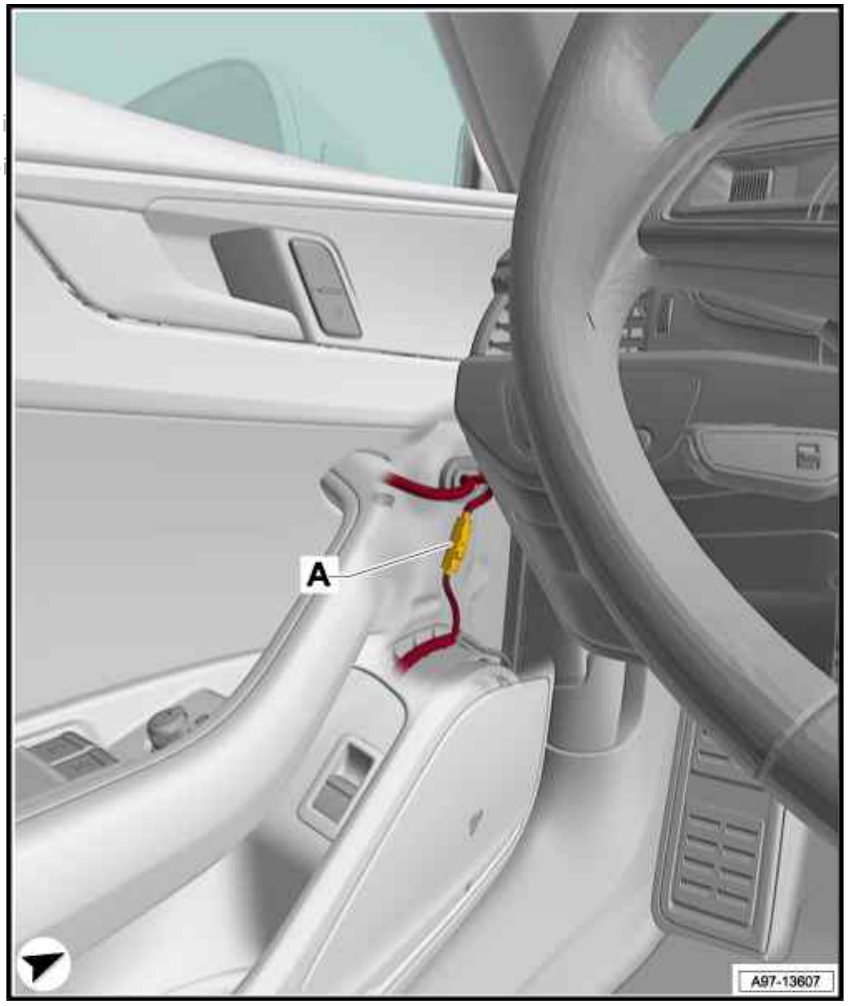
A - Coupling point in front left door -TTIVL-

- 5-pin connector -T5lk- , black/ 5-pin connector -T5lkx- , black

A - Coupling point in front right door -TTIVR-

- 5-pin connector -T5rk- , black/ 5-pin connector -T5rkx- , black