Basic equipment

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

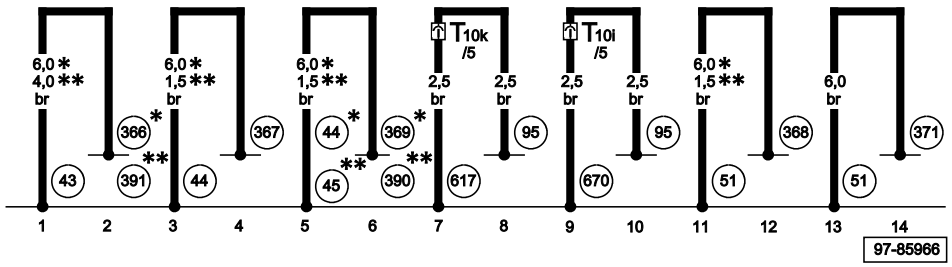
For information concerning

- Fault Finding Programs

⇒ guided fault finding

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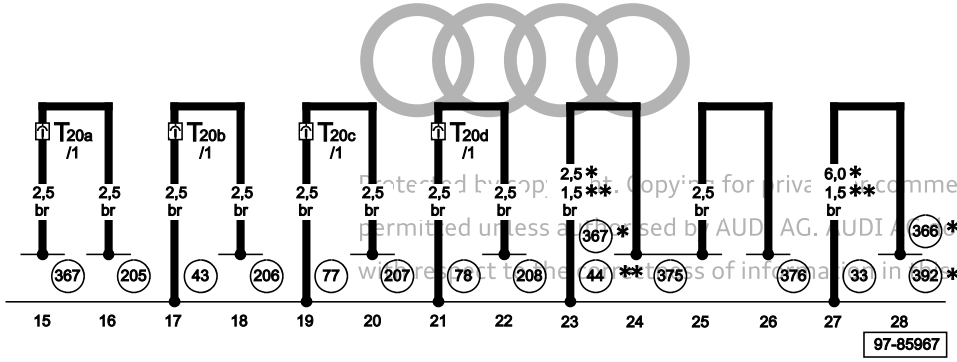
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Earth connections

T10i 10-pin connector, red, on left seat cross member
T10k 10-pin connector, red, on right of seat cross member

43 Earth point, lower part of right A-pillar
44 Earth point, lower part of left A-pillar
45 Earth point, centre behind dash panel
51 Earth point, on right in luggage compartment
95 Earth connection 1, in seat adjuster wiring harness
366 Earth connection 1, in main wiring harness
367 Earth connection 2, in main wiring harness
368 Earth connection 3, in main wiring harness
369 Earth connection 4, in main wiring harness
371 Earth connection 6, in main wiring harness
390 Earth connection 25, in main wiring harness
391 Earth connection 26, in main wiring harness
617 Earth point 2, on lower part of right A-pillar
670 Earth point 2, left A-pillar

* up to October 2005
** from November 2005



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Earth connections

T20a 20-pin connector, black, left A-pillar
T20b 20-pin connector, black, right A-pillar
T20c 20-pin connector, black, left B-pillar
T20d 20-pin connector, black, right B-pillar

33 Earth point, on right behind dash panel

43 Earth point, lower part of right A-pillar

44 Earth point, lower part of left A-pillar

77 Earth point, lower part of left B-pillar

78 Earth point, lower part of right B-pillar

205 Earth connection, in driver door wiring harness

206 Earth connection, in door wiring harness, front passenger side

207 Earth connection, in rear left door wiring harness

208 Earth connection, in rear right door wiring harness

366 Earth connection 1, in main wiring harness

367 Earth connection 2, in main wiring harness

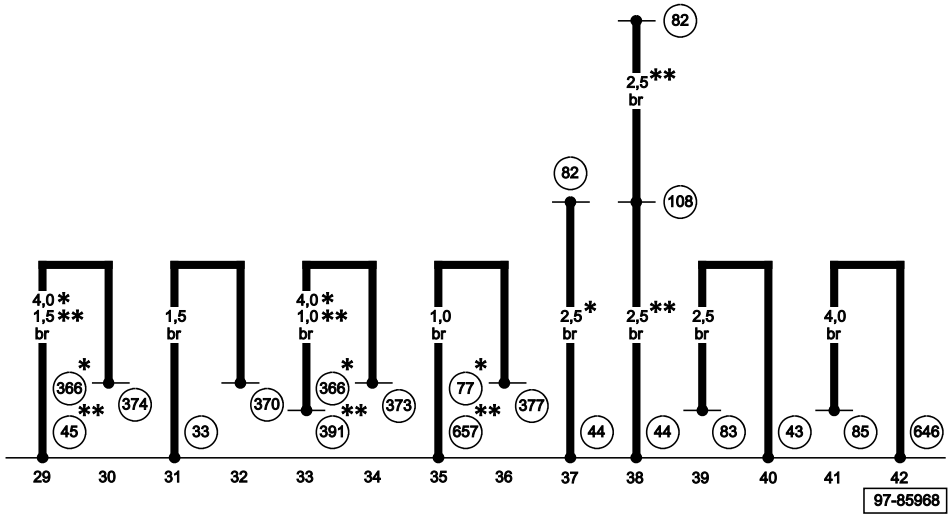
375 Earth connection 10, in main wiring harness

376 Earth connection 11, in main wiring harness

392 Earth connection 27, in main wiring harness

* up to October 2005
** from November 2005

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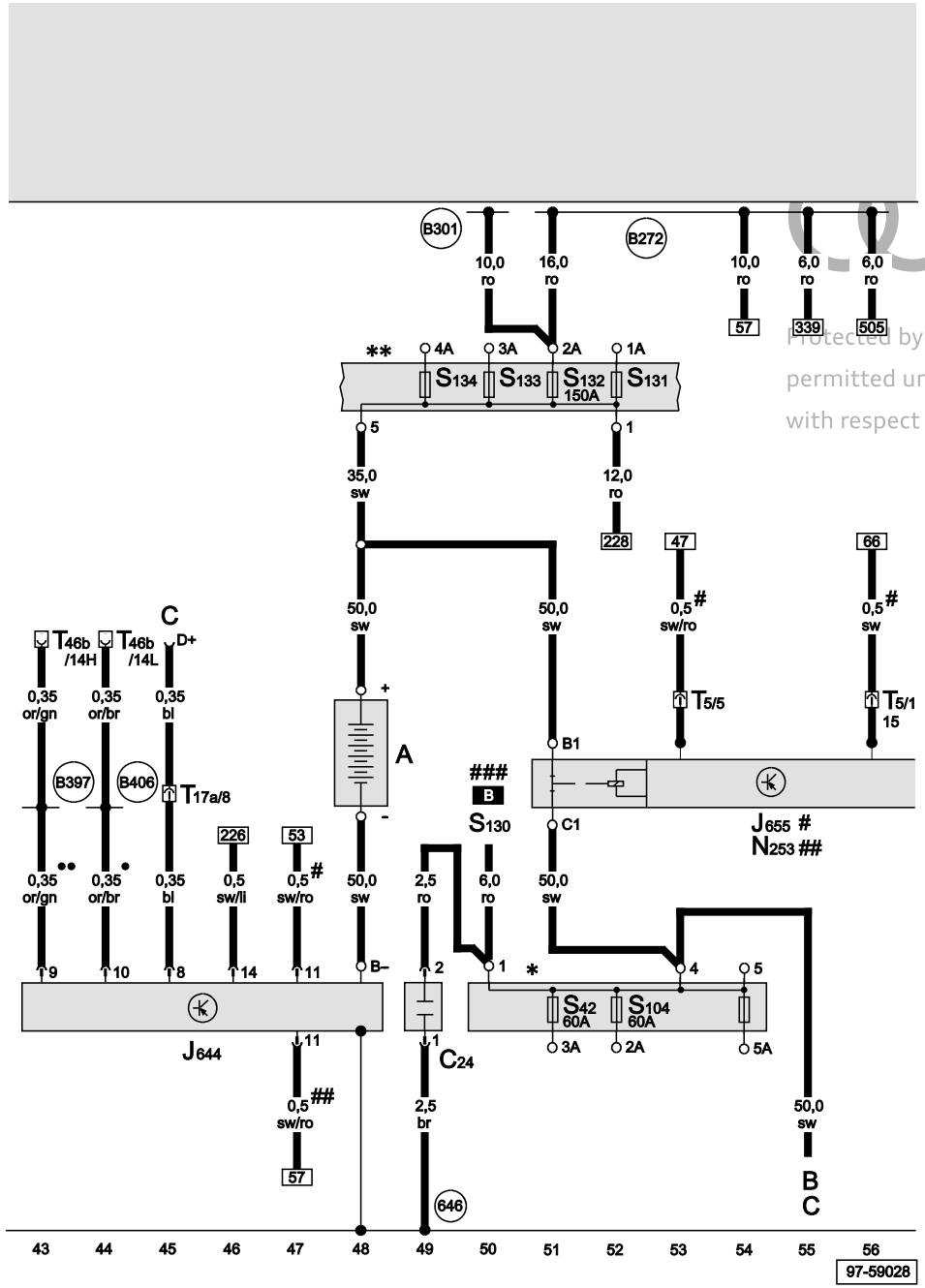


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Earth connections

33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
77	Earth point, lower part of left B-pillar
82	Earth connection 1, in front left wiring harness
83	Earth connection 1, in front right wiring harness
85	Earth connection 1, in engine compartment wiring harness
108	Earth connection 2, in front left wiring harness
366	Earth connection 1, in main wiring harness
370	Earth connection 5, in main wiring harness
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
377	Earth connection 12, in main wiring harness
391	Earth connection 26, in main wiring harness
646	Earth point 2, on bulkhead
657	Earth point 1, on left near rear window

* up to October 2005
** from November 2005



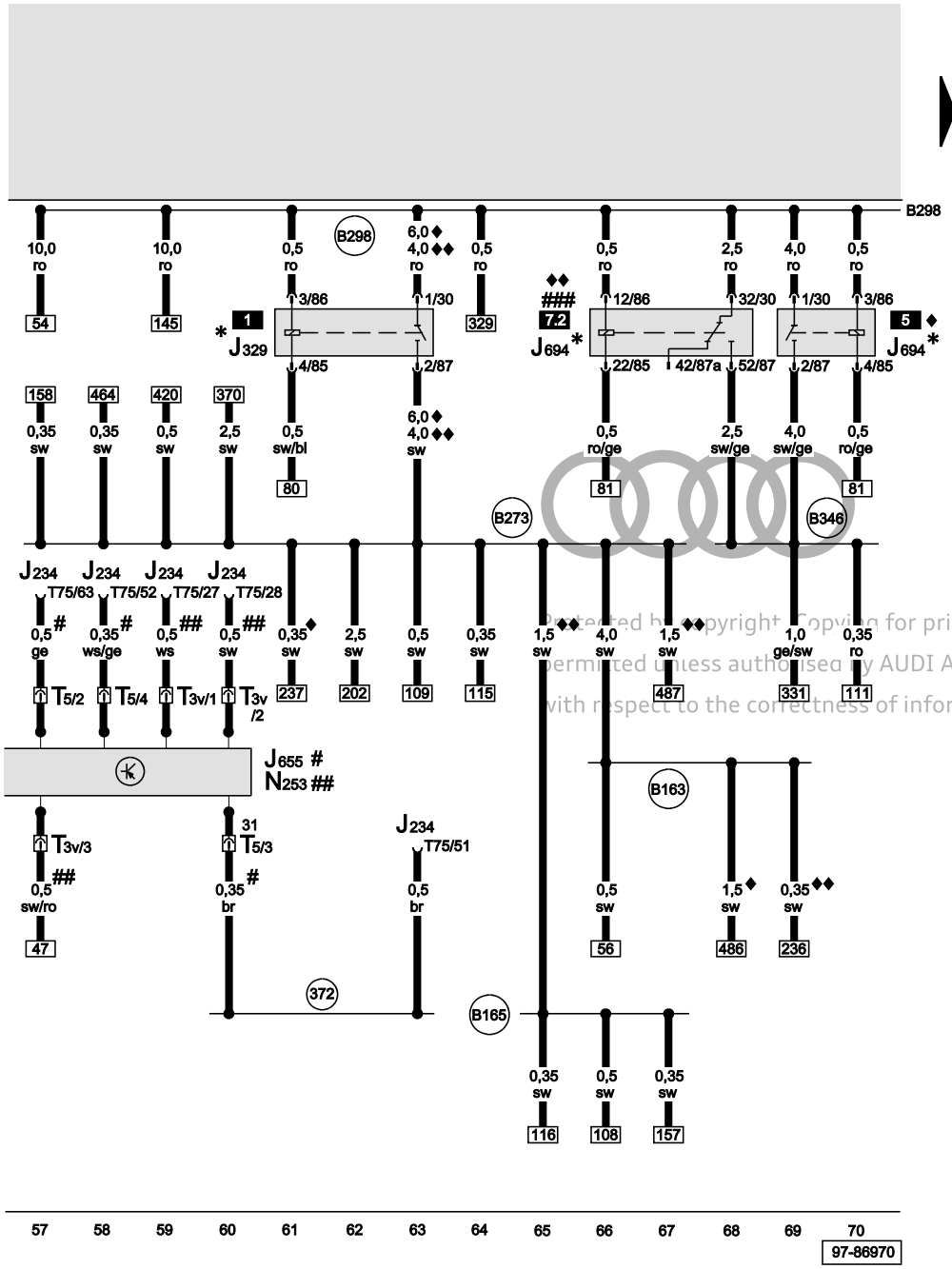
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Battery, energy management control unit, battery cut-off relay, suppression filter

A	Battery
B	Starter
C	Alternator
C24	Suppression filter
J644	Energy management control unit
J655	Battery cut-off relay
N253	Battery isolation igniter
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
S130	Secondary air pump fuse
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
T5	5-pin connector, yellow, on relay and fuse carrier in luggage compartment, right
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46b	46-pin connector, CAN disconnector right
646	Earth point 2, on bulkhead
B272	Positive connection (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	Main fuse carrier electronics box right in plenum chamber
**	Fuse and relay carrier right in luggage compartment
#	up to about June 2004
##	from to about July 2004
###	models with secondary air pump

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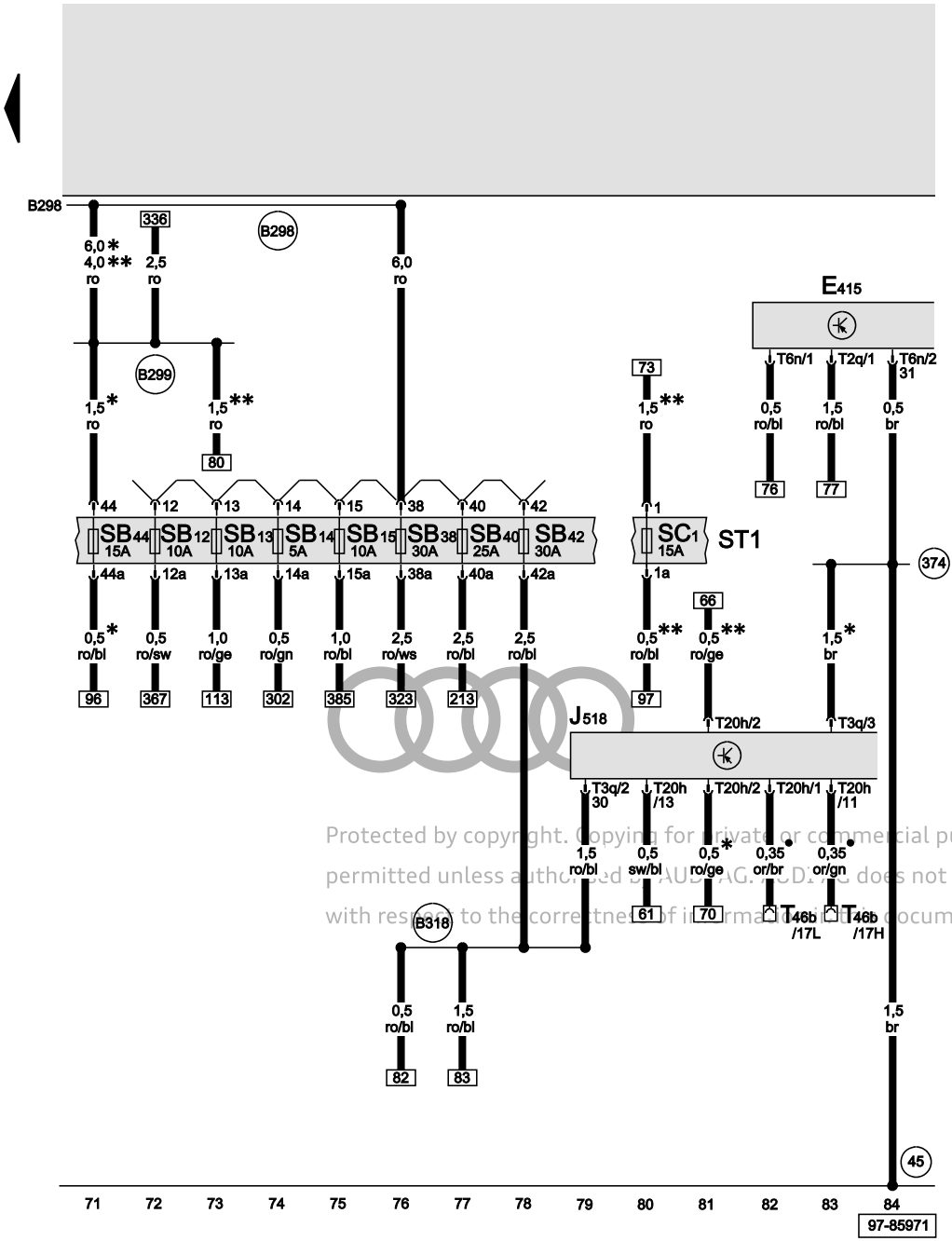
Terminal 15 voltage supply relay, terminal 75x voltage supply relay



J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J655	Battery cut-off relay
J694	Terminal 75x voltage supply relay
N253	Battery isolation igniter
T3v	3-pin connector, yellow, on relay and fuse carrier in luggage compartment, right
T5	5-pin connector, yellow, on relay and fuse carrier in luggage compartment, right
T75	75-pin connector, grey**, on airbag control unit
372	Earth connection 7, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B346	Connection 1 (75), in main wiring harness
*	9-point relay carrier, behind driver storage compartment
**	USA: white
#	up to about June 2004
##	from to about July 2004
###	from model year 2006
◆	up to October 2005
◆◆	from November 2005

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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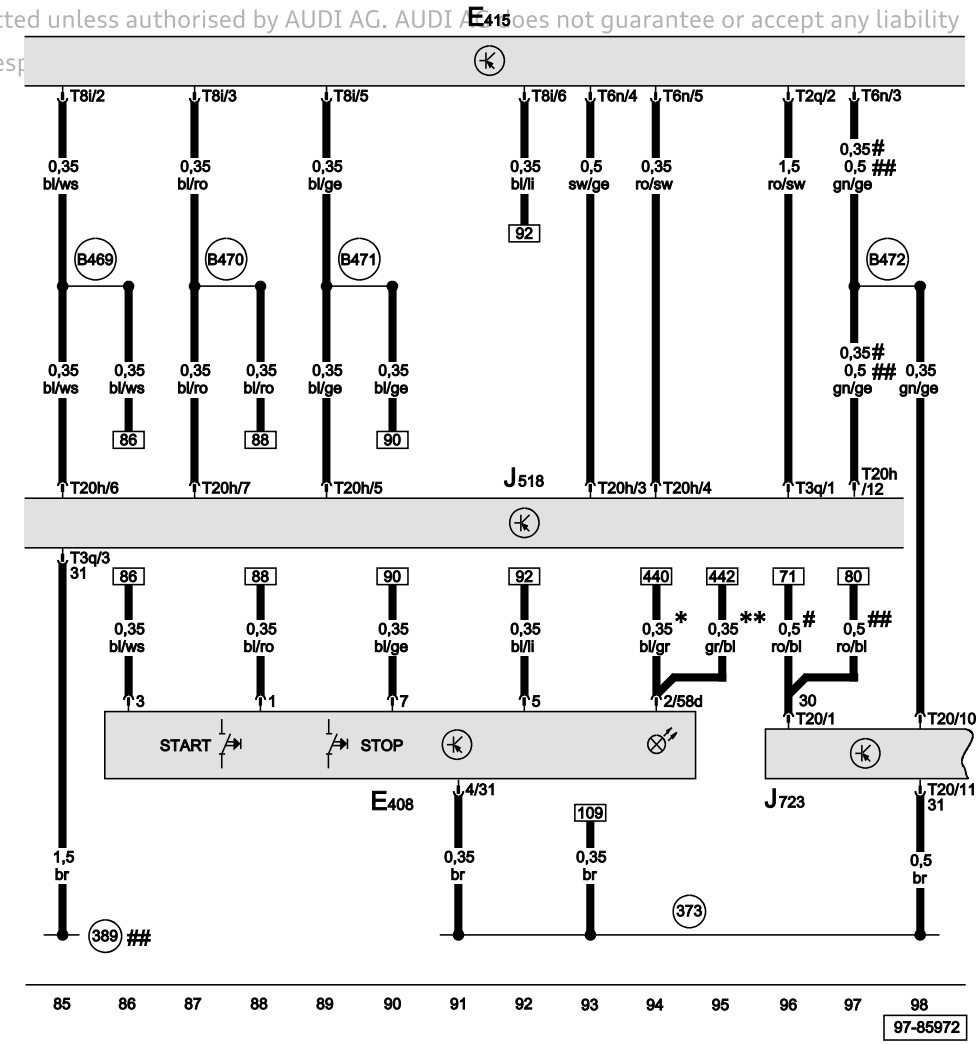
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Entry and start authorisation switch, entry and start authorisation control unit, fuses

E415	Entry and start authorisation switch
J518	Entry and start authorisation control unit
SB12	Fuse 12 in fuse holder
SB13	Fuse 13 in fuse holder
SB14	Fuse 14 in fuse holder
SB15	Fuse 15 in fuse holder
SB38	Fuse 38 in fuse holder
SB40	Fuse 40 in fuse holder
SB42	Fuse 42 in fuse holder
SB44	Fuse 44 in fuse holder
SC1	Fuse 1 in fuse holder
T2q	2-pin connector, black, connector C, on entry and start authorisation switch
T3q	3-pin connector, black, connector B, on entry and start authorisation control unit
T6n	6-pin connector, black, connector B, on entry and start authorisation switch
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46b	46-pin connector, CAN disconnector right
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005

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

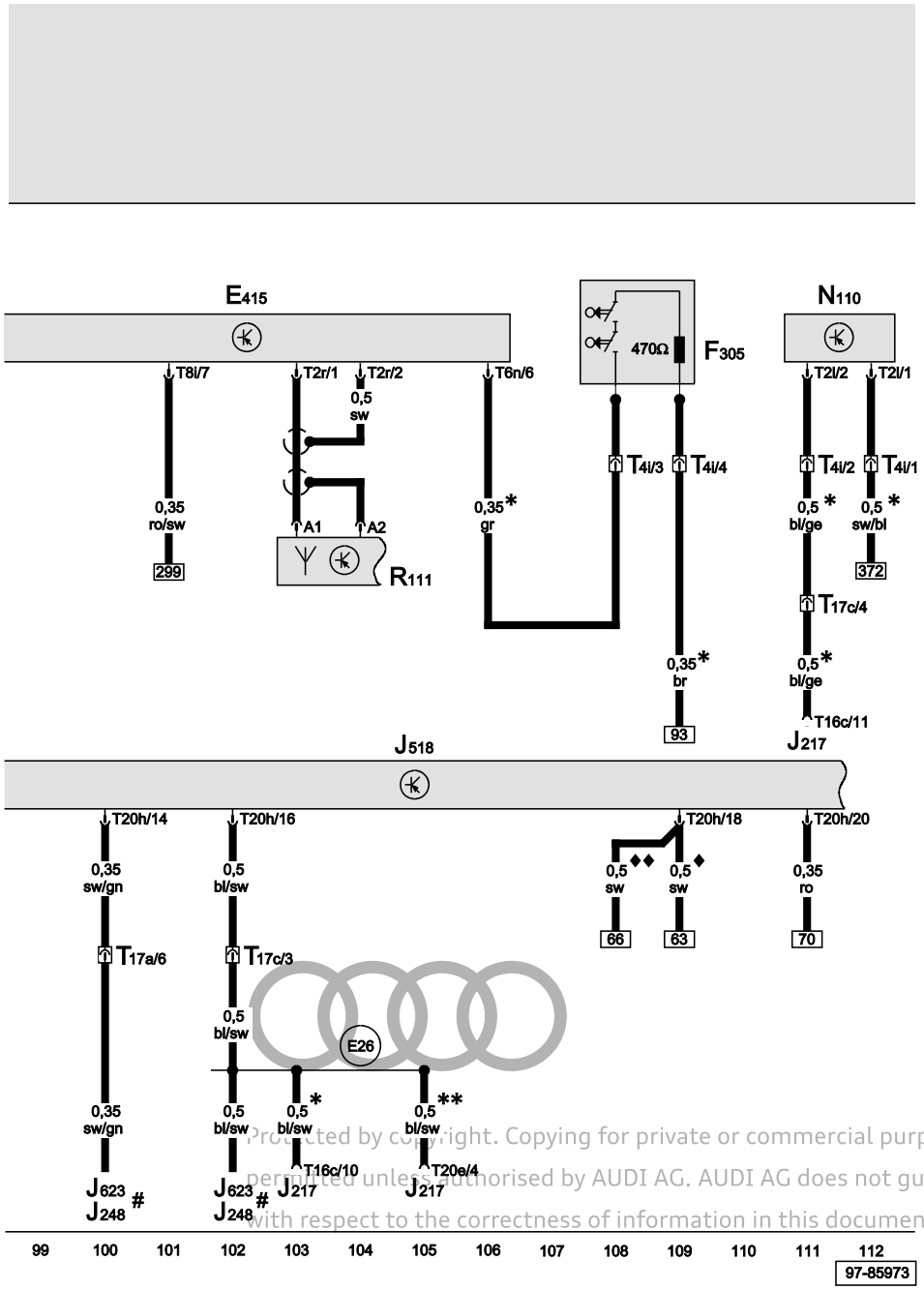
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Entry and start authorisation switch, entry and start authorisation control unit, entry and start authorisation button

E408	Entry and start authorisation button
E415	Entry and start authorisation switch
J518	Entry and start authorisation control unit
J723	Aerial reader unit for keyless entry system
T2q	2-pin connector, black, connector C, on entry and start authorisation switch
T3q	3-pin connector, black, connector B, on entry and start authorisation control unit
T6n	6-pin connector, black, connector B, on entry and start authorisation switch
T8i	8-pin connector, black, connector A, on entry and start authorisation switch
T20	20-pin connector, red, on aerial reader unit for keyless entry system
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
373	Earth connection 8, in main wiring harness
389	Earth connection 24, in main wiring harness
B469	Connection 5, in main wiring harness
B470	Connection 6, in main wiring harness
B471	Connection 7, in main wiring harness
B472	Connection 8, in main wiring harness
*	models with manual gearbox
**	models with automatic gearbox
#	up to October 2005
##	from November 2005



Entry and start authorisation switch, entry and start authorisation control unit

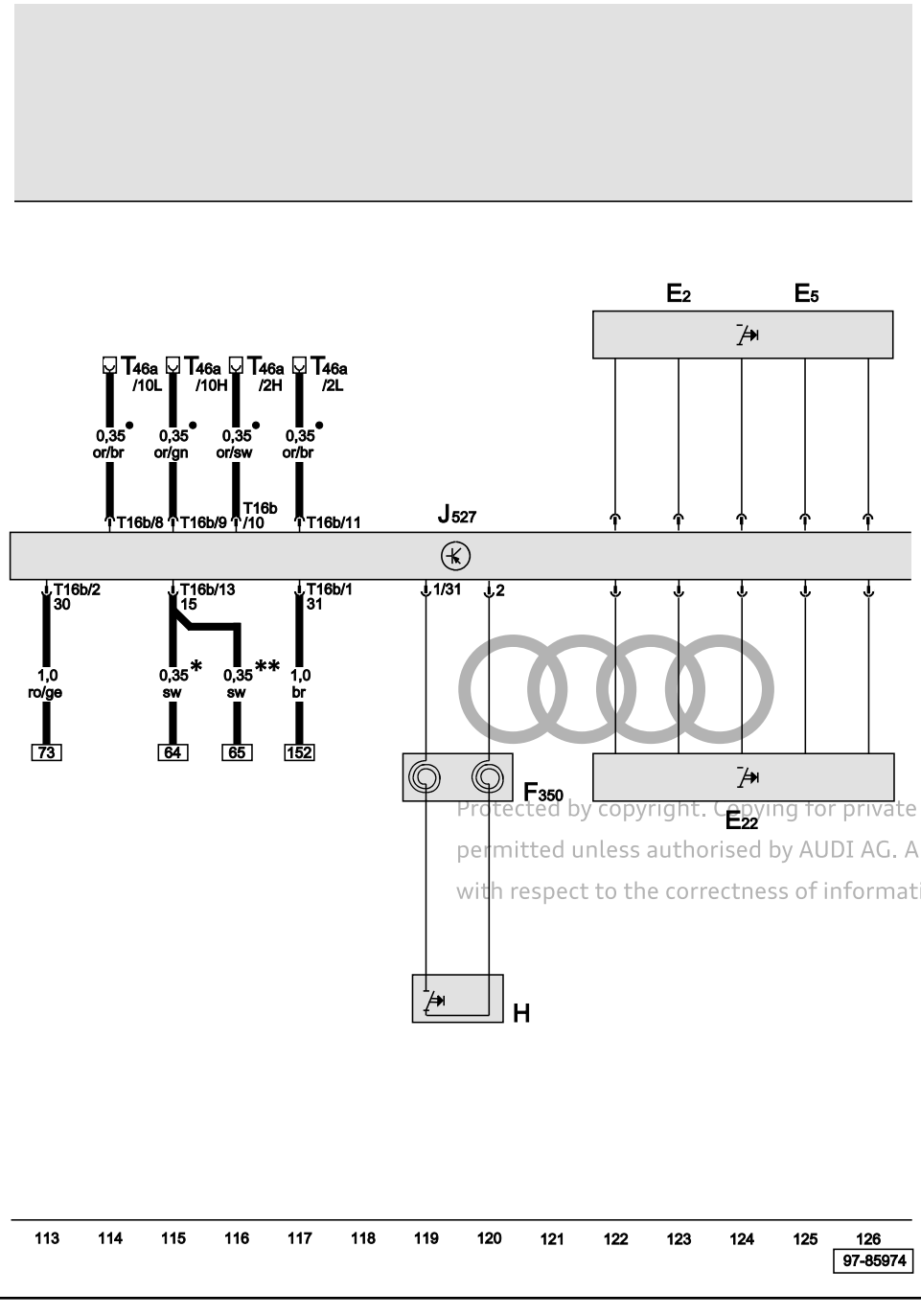
E415	Entry and start authorisation switch
F305	Gear selector position P switch
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
N110	Selector lever lock solenoid
R111	Aerial amplifier 2
T2l	2-pin connector, black, on selector lever lock solenoid
T2r	2-pin connector, connector D, on entry and start authorisation switch
T4i	4-pin connector, black, in centre console on selector lever console
T6n	6-pin connector, black, connector B, on entry and start authorisation switch
T8i	8-pin connector, black, connector A, on entry and start authorisation switch
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
E26	Connection selector lever lock, in Motronic wiring harness
*	models with automatic gearbox 09L
**	models with automatic gearbox 01J
#	⇒ Engine Current Flow Diagram
♦	up to October 2005
♦♦	from November 2005

ws	=	white
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Steering column electronics control unit, horn plate, intermittent wiper switch, turn signal switch, headlight flasher switch

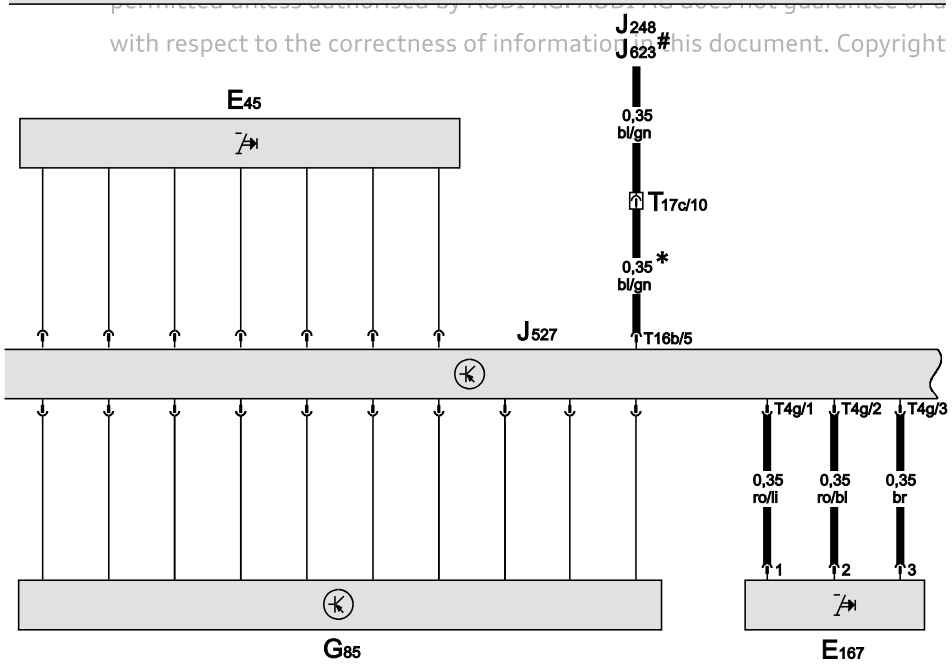
E2	Turn signal switch
E5	Headlight flasher switch
E22	Intermittent wiper switch
F350	Coil connector
H	Horn plate
J527	Steering column electronics control unit
T16b	16-pin connector, behind steering column switch trim
T46a	46-pin connector, CAN disconnector left
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005



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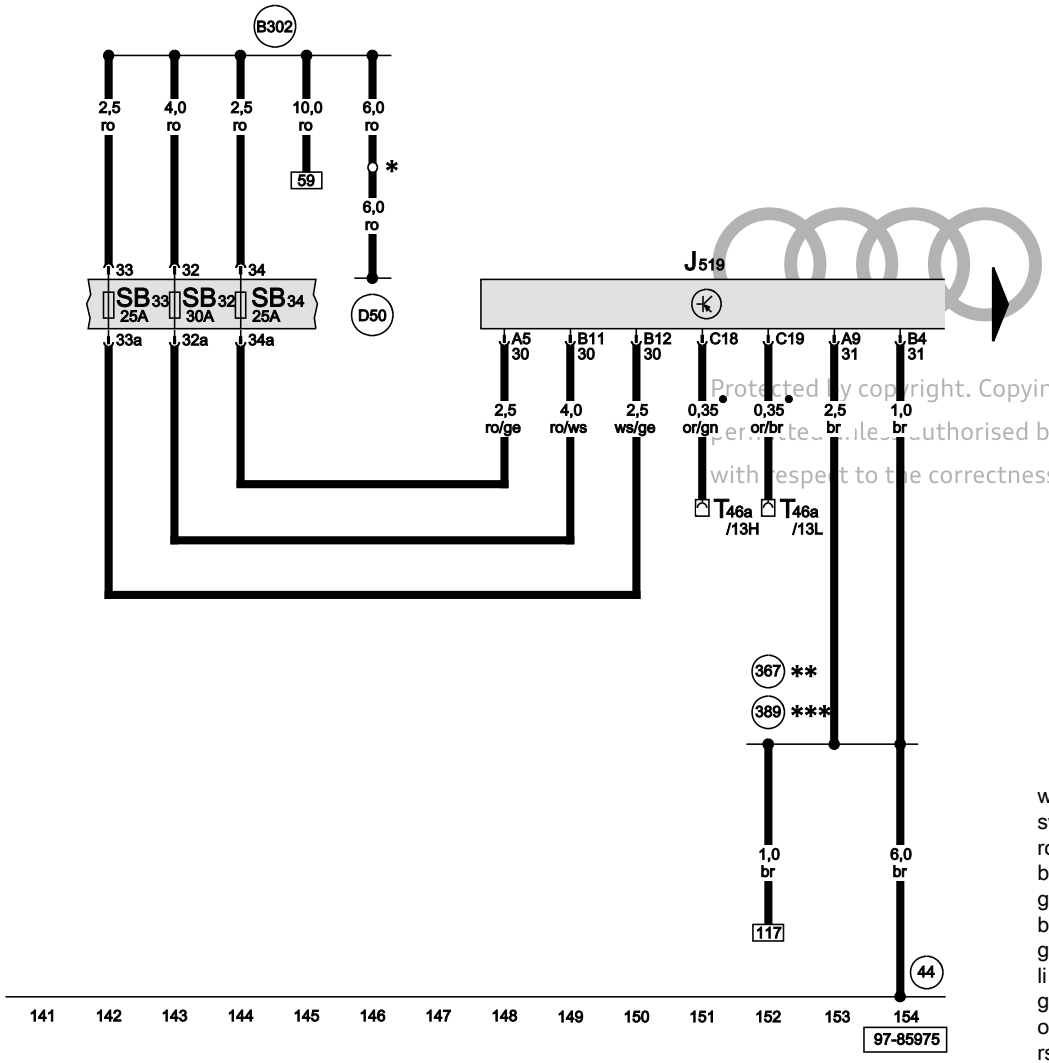
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Steering column electronics control unit, cruise control system switch, steering angle sender

E45	Cruise control system switch
E167	Steering column adjustment switch
G85	Steering angle sender
J248	Diesel direct injection system control unit
J527	Steering column electronics control unit
J623	Engine control unit
T4g	4-pin connector, black, behind steering column switch trim
T16b	16-pin connector, behind steering column switch trim
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
*	models with cruise control system
#	⇒ Engine Current Flow Diagram

ws	=	white
sw	=	black
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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Onboard power supply control unit, fuses

J519	Onboard supply control unit
SB32	Fuse 32 in fuse holder
SB33	Fuse 33 in fuse holder
SB34	Fuse 34 in fuse holder
T46a	46-pin connector, CAN disconnector left
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
389	Earth connection 24, in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
•	CAN bus (data wire)
*	Screw connection in electronics box left in plenum chamber
**	up to October 2005
***	from November 2005

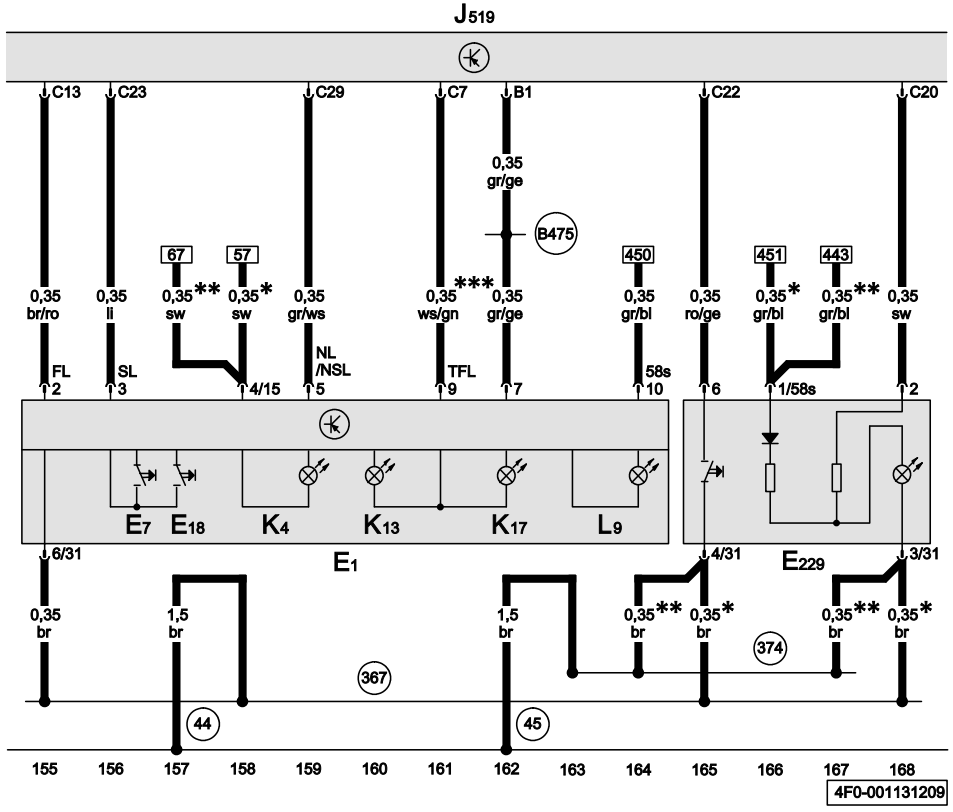
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Onboard supply control unit, light switch, hazard warning lights button

E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
E229	Hazard warning lights button
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
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
374	Earth connection 9, in main wiring harness
B475	Connection 11, in main wiring harness
*	up to October 2005
**	from November 2005
***	models with day driving light

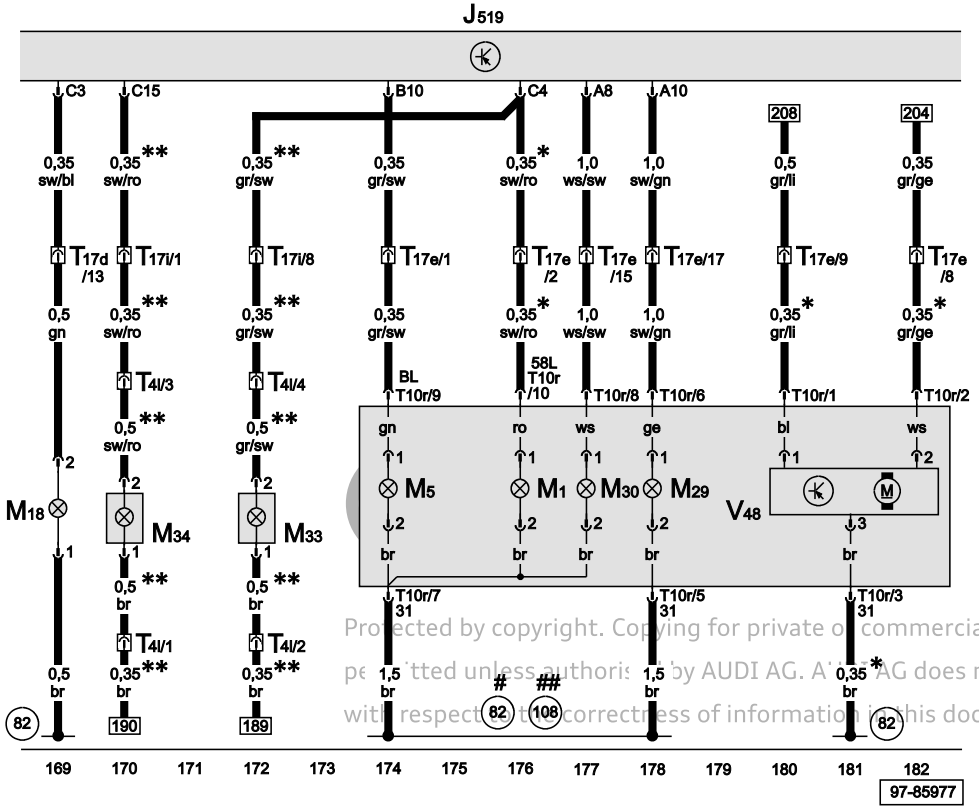
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Onboard supply control unit, left side light bulb, front left turn signal bulb, left dipped beam bulb, left main beam bulb, left headlight range control motor, side marker light bulb

J519	Onboard supply control unit
M1	Left side light bulb
M5	Front left turn signal bulb
M18	Left side mounted turn signal bulb
M29	Left dipped beam bulb
M30	Left main beam bulb
M33	Front left side marker bulb
M34	Front right side marker bulb
T4l	4-pin connector, black, in front right engine compartment
T10r	10-pin connector, black, left headlight
T17d	17-pin connector, black, coupling station, left A-pillar
T17e	17-pin connector, red, coupling station, left A-pillar
T17i	17-pin connector, red, coupling station, right A-pillar
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
*	not USA
**	only USA
#	up to October 2005
##	from November 2005



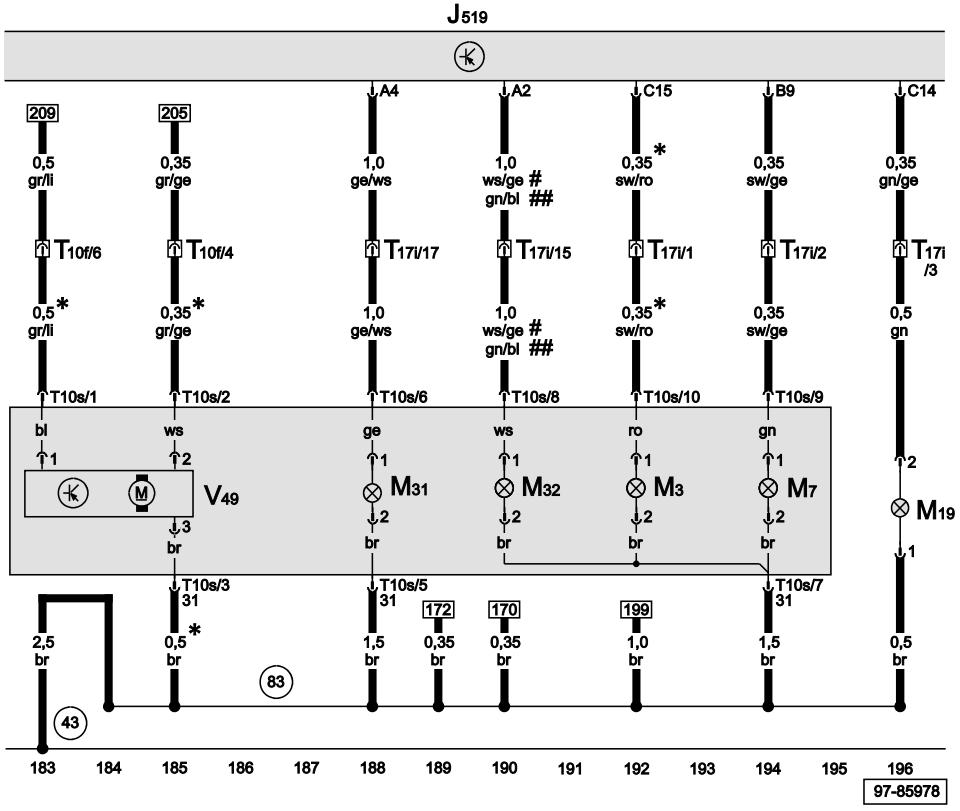
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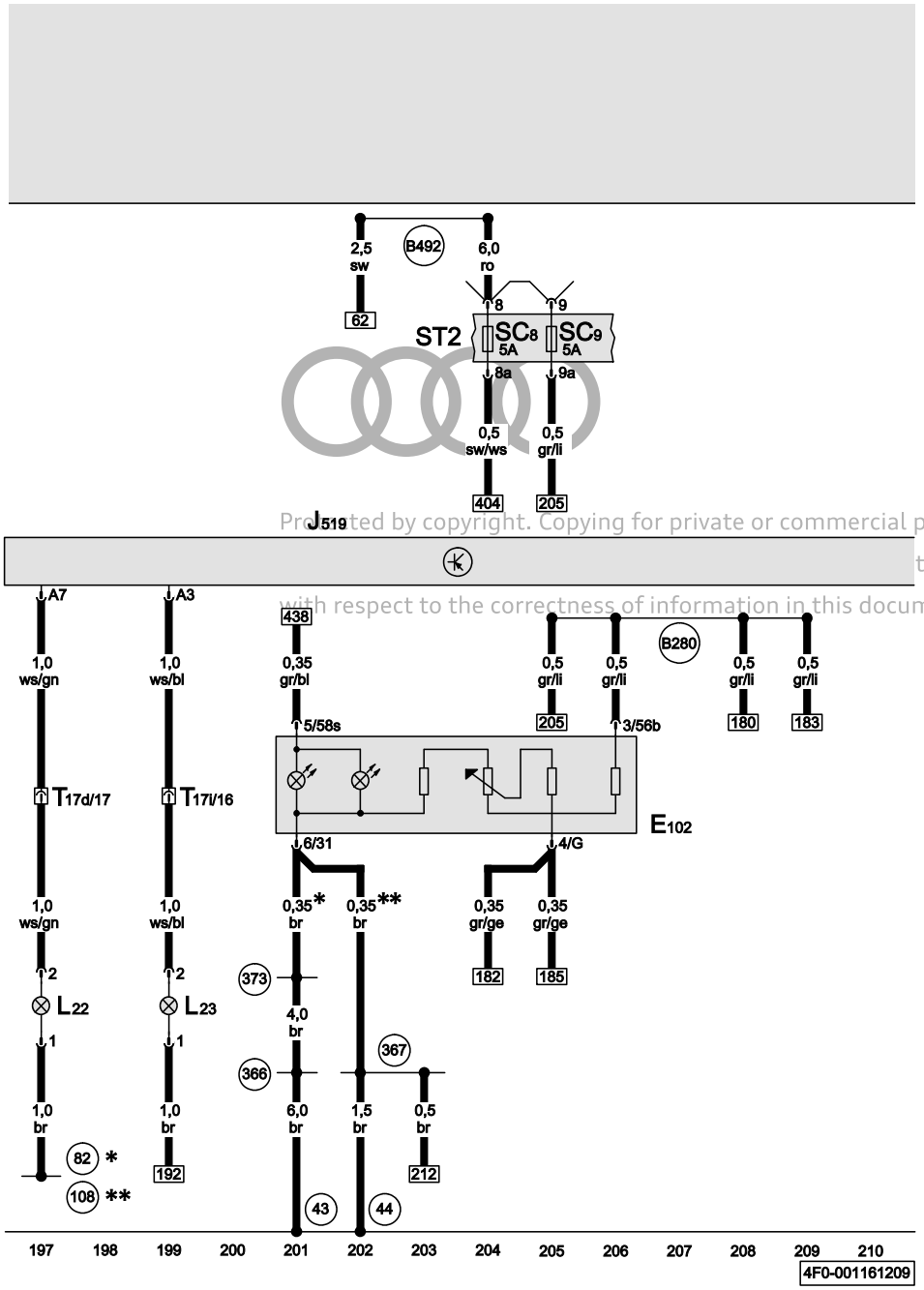
Onboard supply control unit, right side light bulb, front right turn signal bulb, right dipped beam bulb, right main beam bulb, right headlight range control motor

J519	Onboard supply control unit
M3	Right side light bulb
M7	Front right turn signal bulb
M19	Right side mounted turn signal bulb
M31	Right dipped beam bulb
M32	Right main beam bulb
T10f	10-pin connector, white, coupling station, right A-pillar
T10s	10-pin connector, black, right headlight
T17i	17-pin connector, red, coupling station, right A-pillar
V49	Right headlight range control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	not USA
#	up to model year 2005
##	from model year 2006

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Onboard supply control unit, fog light bulb, headlight range control regulator

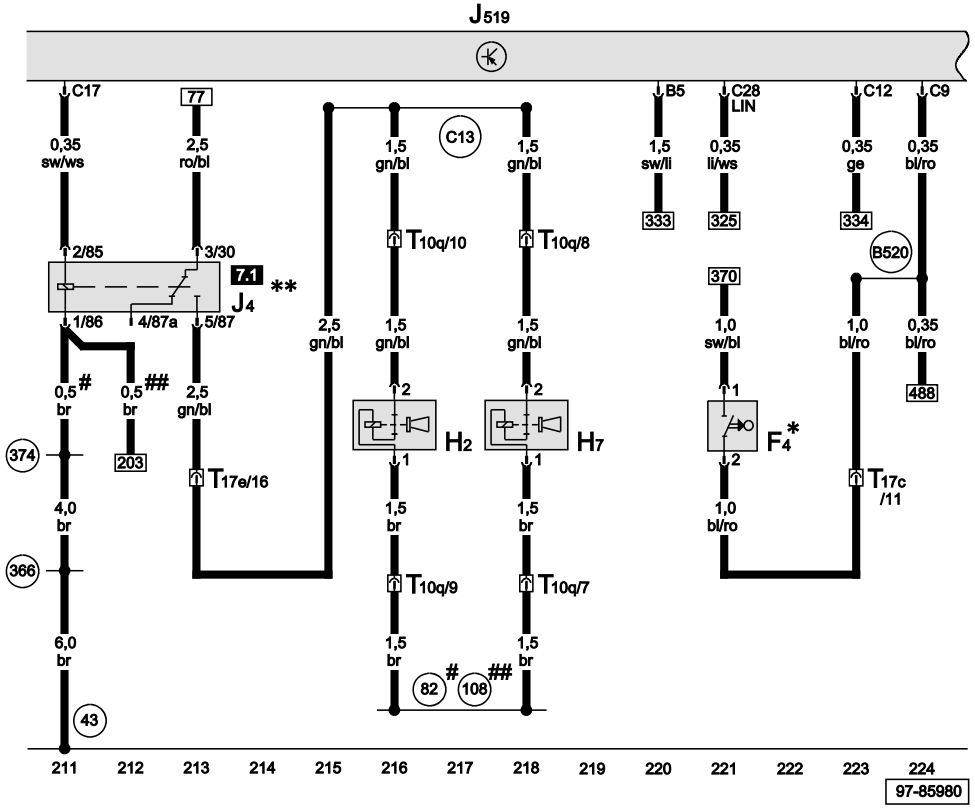
E102	Headlight range control regulator
J519	Onboard supply control unit
L22	Left fog light bulb
L23	Right fog light bulb
SC8	Fuse 8 in fuse holder
SC9	Fuse 9 in fuse holder
T17d	17-pin connector, black, coupling station, left A-pillar
T17i	17-pin connector, red, coupling station, right A-pillar
43	Earth point, lower part of right A-pillar
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
366	Earth connection 1, in main wiring harness
367	Earth connection 2, in main wiring harness
373	Earth connection 8, in main wiring harness
B280	Positive connection 4 (15a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	up to October 2005
**	from November 2005

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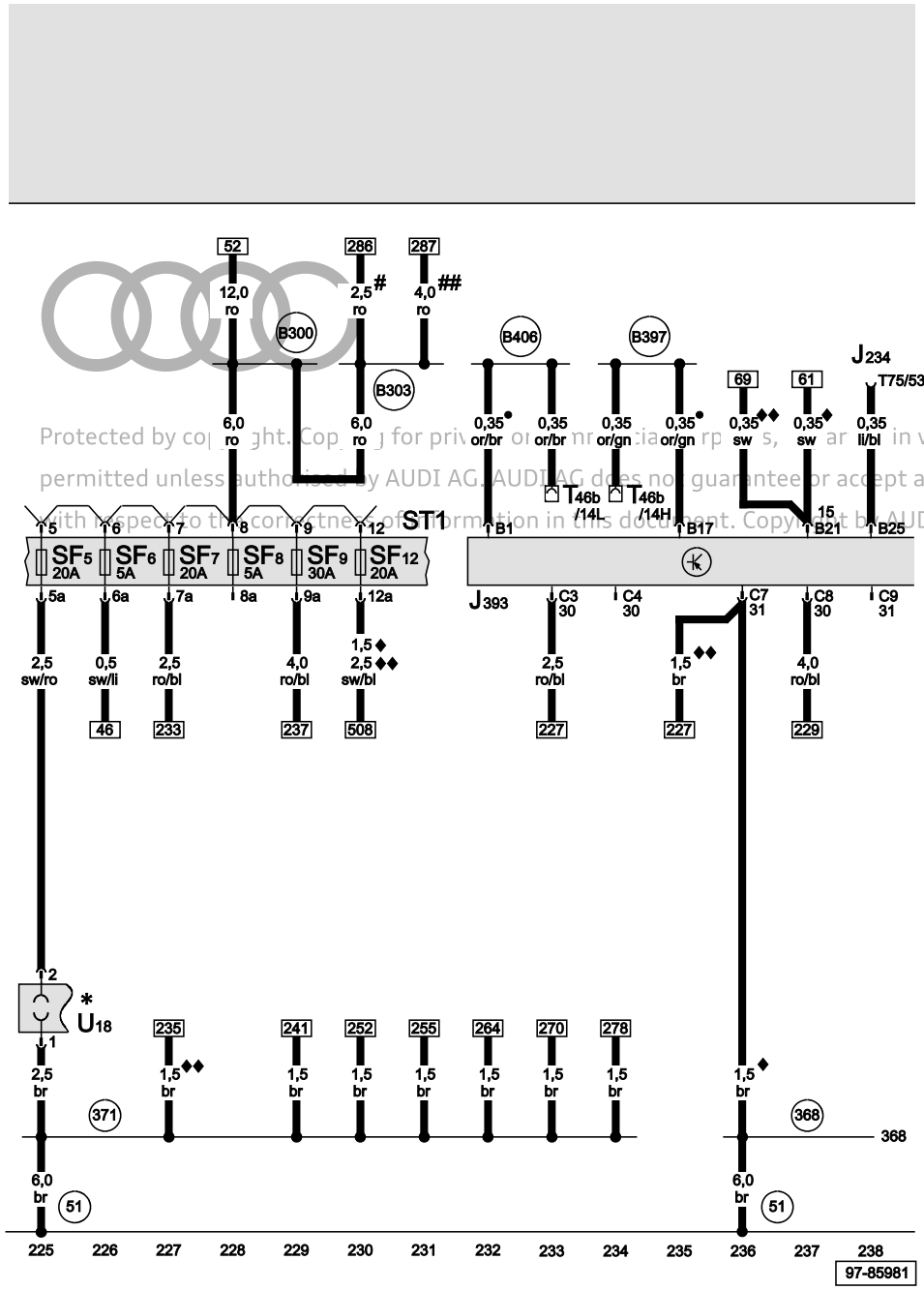
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Onboard supply control unit, treble tone horn, bass tone horn, dual tone horn relay, reversing light switch

F4	Reversing light switch
H2	Treble tone horn
H7	Bass tone horn
J4	Dual tone horn relay
J519	Onboard supply control unit
T10q	10-pin connector, black, near left headlight
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17e	17-pin connector, red, coupling station, left A-pillar
43	Earth point, lower part of right A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
366	Earth connection 1, in main wiring harness
374	Earth connection 9, in main wiring harness
B520	Connection (RL), in main wiring harness
C13	Positive connection in dual tone horn wiring harness
*	models with manual gearbox
**	9-point relay carrier, behind driver storage compartment
#	up to October 2005
##	from November 2005



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



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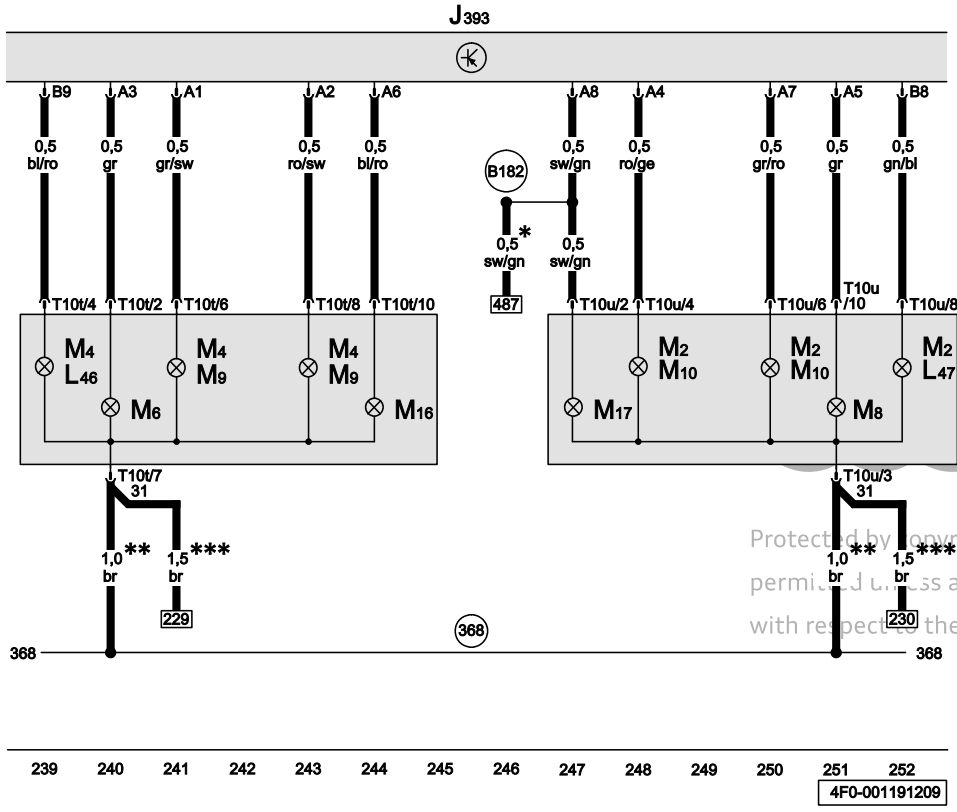
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rs = pink

Convenience system central control unit, fuses

J234	Airbag control unit
J393	Convenience system central control unit
SF5	Fuse 5 in fuse holder
SF6	Fuse 6 in fuse holder
SF7	Fuse 7 in fuse holder
SF8	Fuse 8 in fuse holder
SF9	Fuse 9 in fuse holder
SF12	Fuse 12 in fuse holder
T46b	46-pin connector, CAN disconnector right
T75	75-pin connector, grey, on airbag control unit
U18	12 V socket 2
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
368	Earth connection 3, in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B303	Positive connection 7 (30), 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
•	CAN bus (data wire)
*	models with 12 V socket 2
#	up to model year 2005
##	from model year 2006
♦	up to October 2005
♦♦	from November 2005

Convenience system central control unit, left and right tail light, lowline, not USA

J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M2	Right tail light bulb
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
M16	Left reversing light bulb
M17	Right reversing light bulb
T10t	10-pin connector, black, on left rear fog light
T10u	10-pin connector, black, on right rear fog light
368	Earth connection 3, in main wiring harness
B182	Connection (RL), in interior wiring harness
*	models with automatic gearbox
**	up to October 2005
***	from November 2005



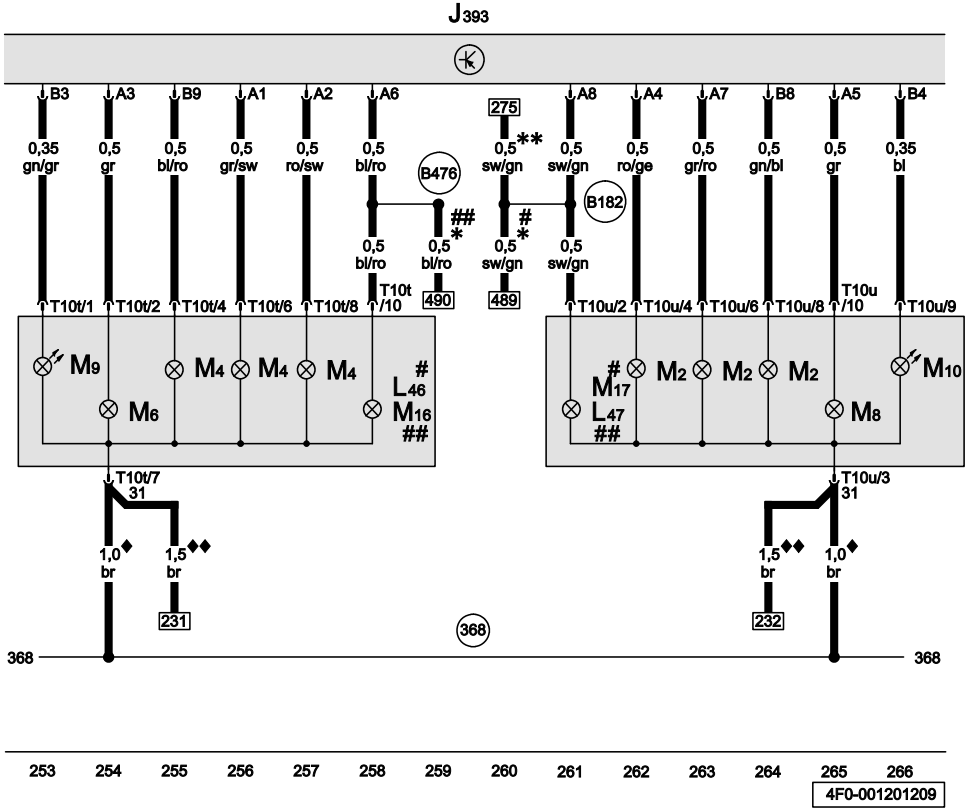
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Convenience system central control unit, left and right tail light, highline, not USA

J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M2	Right tail light bulb
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
M16	Left reversing light bulb
M17	Right reversing light bulb
T10t	10-pin connector, black, on left rear fog light
T10u	10-pin connector, black, on right rear fog light
368	Earth connection 3, in main wiring harness
B182	Connection (RL), in interior wiring harness
B476	Connection 12, in main wiring harness
*	models with automatic gearbox
**	USA
#	not Japan
##	only Japan
◆	up to October 2005
◆◆	from November 2005

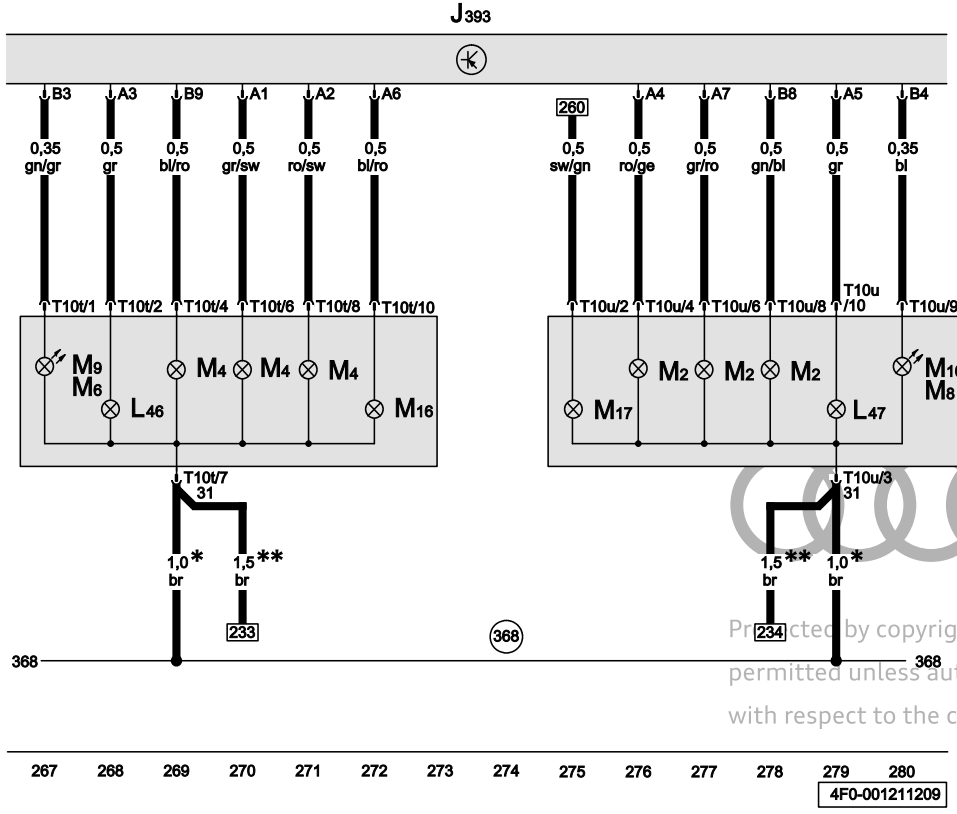
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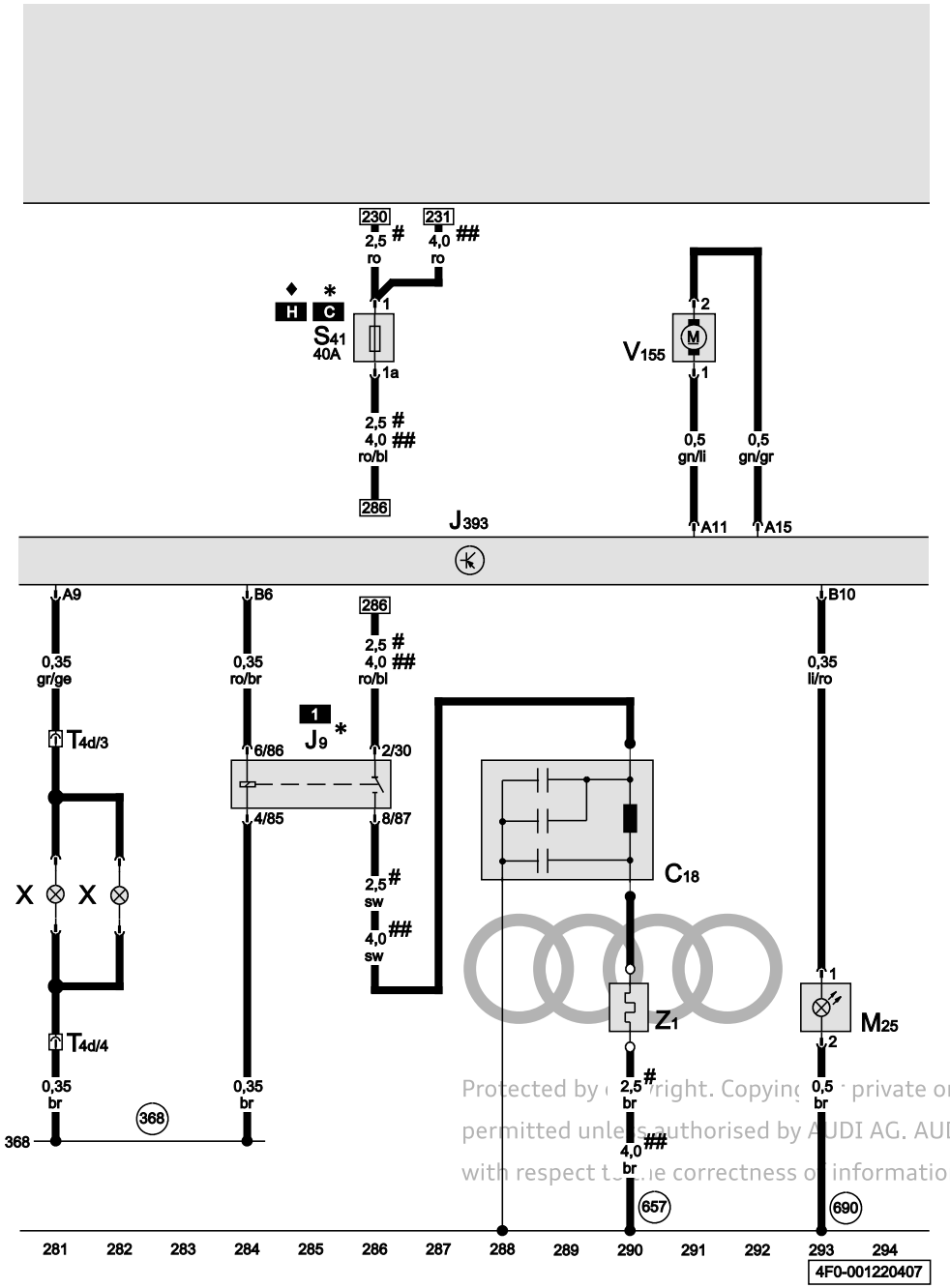
Convenience system central control unit, left and right tail light, highline, only USA

J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M2	Right tail light bulb
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
M16	Left reversing light bulb
M17	Right reversing light bulb
T10t	10-pin connector, black, on left rear fog light
T10u	10-pin connector, black, on right rear fog light
368	Earth connection 3, in main wiring harness
*	up to October 2005
**	from November 2005



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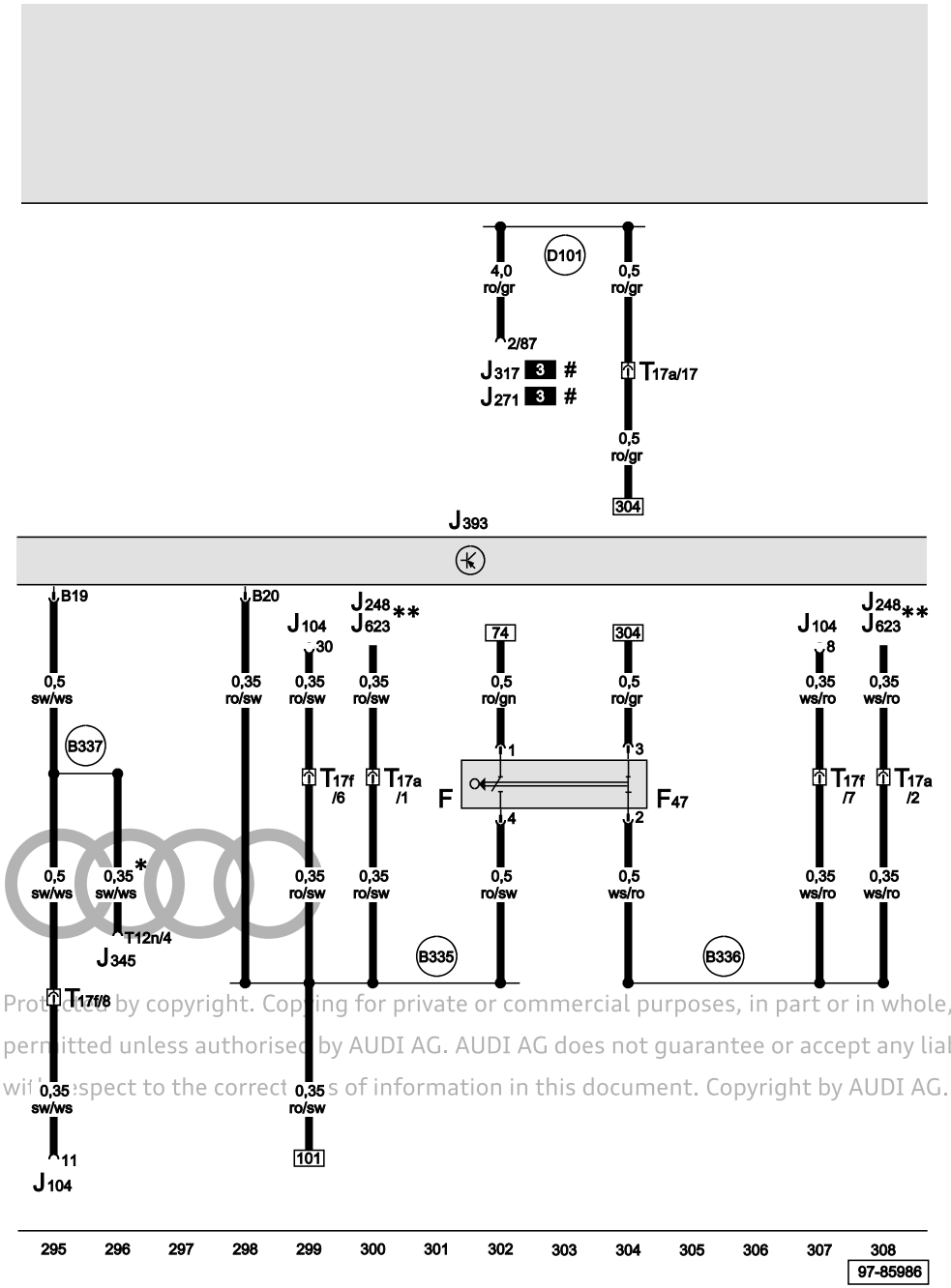


Convenience system central control unit, number plate light, heated rear window relay, high level brake light bulb, heated rear window, tank filler flap locking motor

C18	Window aerial suppression filter
J9	Heated rear window relay
J393	Convenience system central control unit
M25	High level brake light bulb
S41	Heated rear window fuse
T4d	4-pin connector, black, rear lid
V155	Tank filler flap locking motor
X	Number plate light
Z1	Heated rear window
368	Earth connection 3, in main wiring harness
657	Earth point 1, on left near rear window
690	Earth point, rear centre roof frame
*	Fuse and relay carrier right in luggage compartment
#	up to model year 2005
##	from model year 2006
◆	phased-in modification

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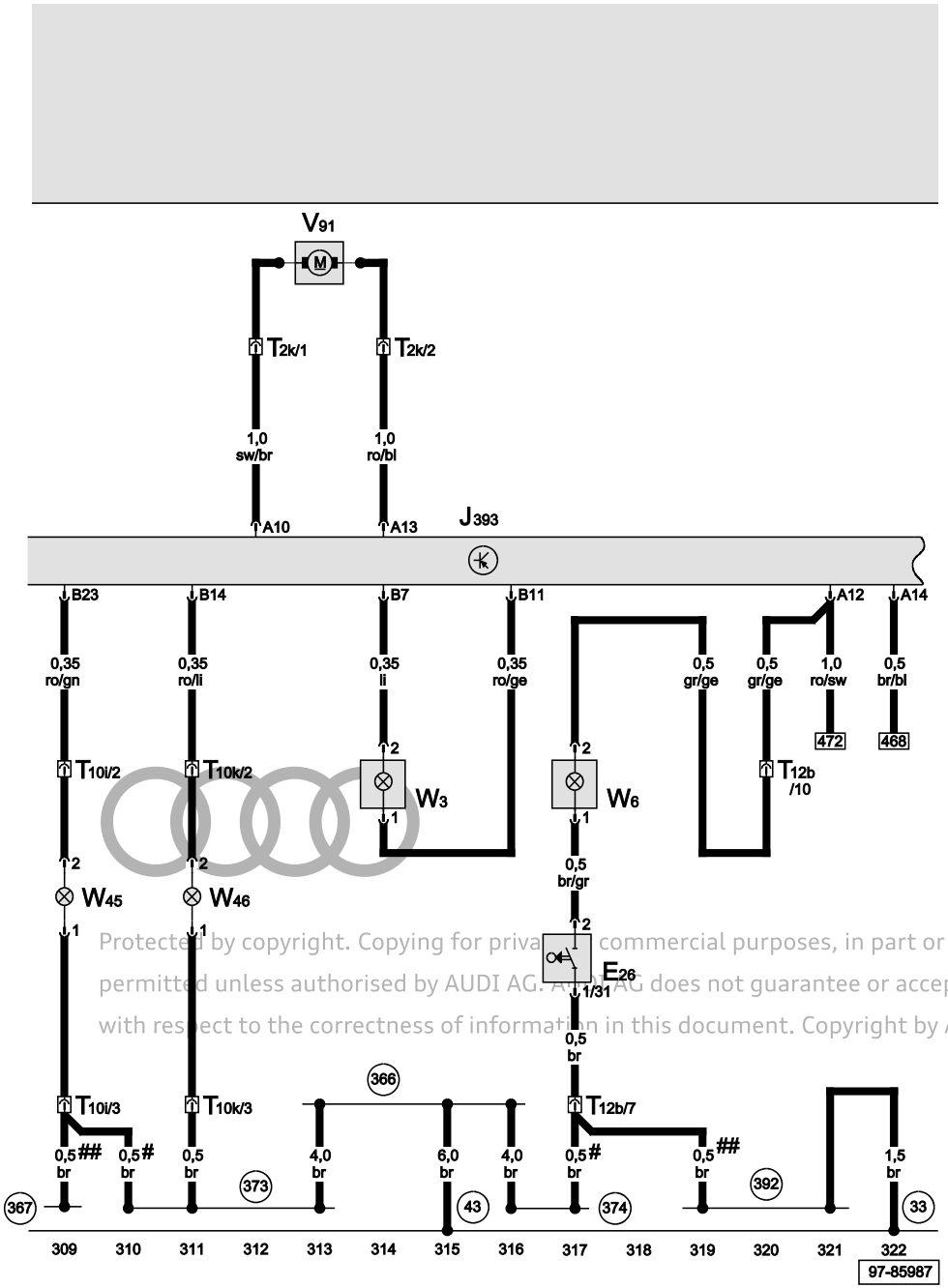


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Convenience system central control unit, brake light switch

F	Brake light switch
F47	Brake pedal switch
J104	ABS control unit
J248	Diesel direct injection system control unit
J271	Motronic current supply relay
J317	Terminal 30 voltage supply relay
J345	Trailer detector control unit
J393	Convenience system central control unit
J623	Engine control unit
T12n	12-pin connector, red, connector B, on trailer detector control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station, left A-pillar
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B337	Connection 3 (54), in main wiring harness
D101	Connection 1, in engine compartment wiring harness
*	models with trailer towing attachment
**	⇒ Engine Current Flow Diagram
#	Relay carrier electronics box left in plenum chamber

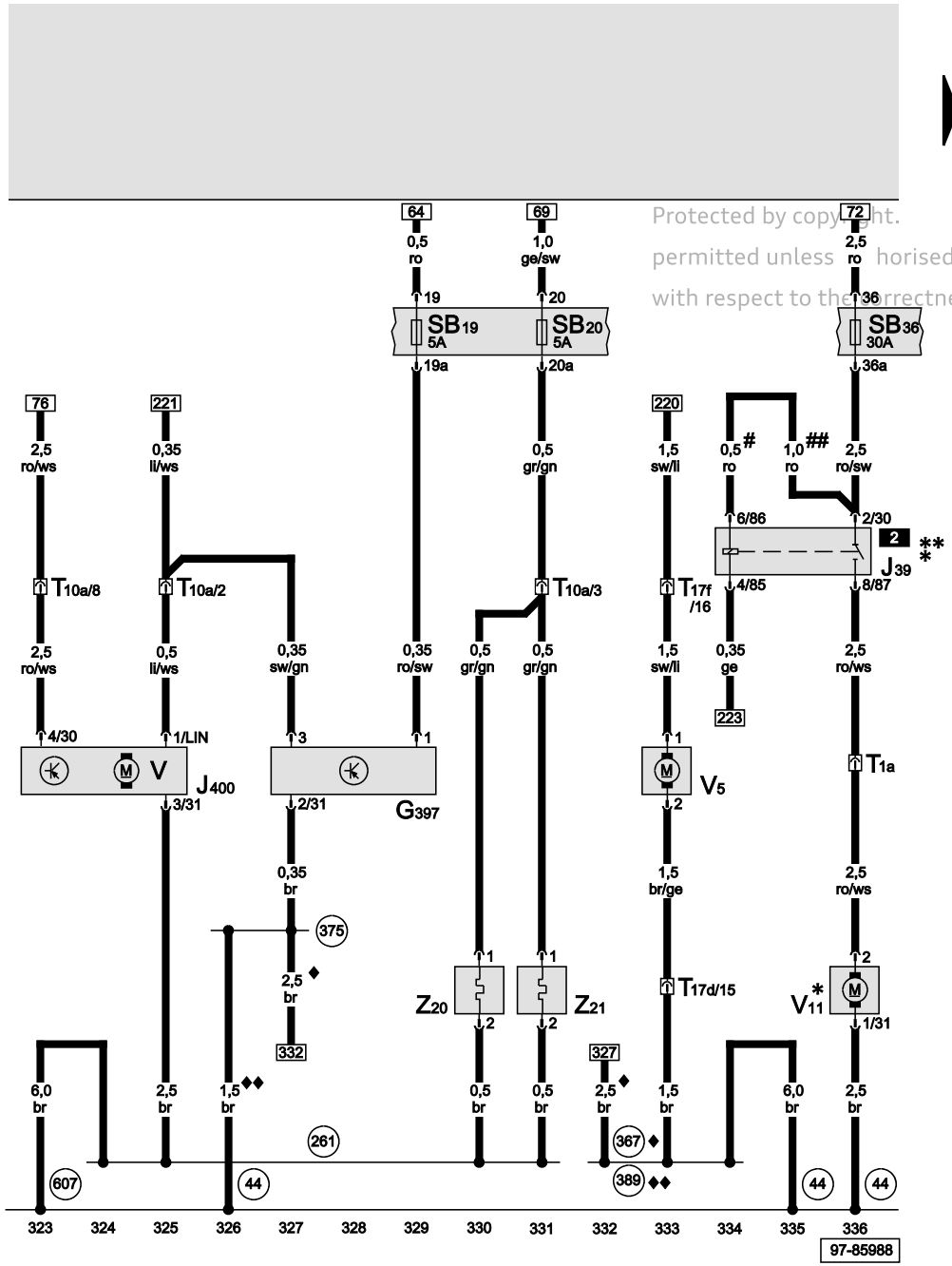


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Convenience system central control unit, luggage compartment light, rear left and right footwell light, glove compartment light switch, glove compartment light, rear roller blind motor

E26	Glove compartment light switch
J393	Convenience system central control unit
T2k	2-pin connector, black, left of D-pillar
T10i	10-pin connector, red, on left seat cross member
T10k	10-pin connector, red, on right of seat cross member
T12b	12-pin connector, black, on right behind dash panel
V91	Rear roller blind motor
W3	Luggage compartment light
W6	Glove compartment light
W45	Rear left footwell light
W46	Rear right footwell light
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
367	Earth connection 2, in main wiring harness
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
392	Earth connection 27, in main wiring harness
#	up to October 2005
##	from November 2005



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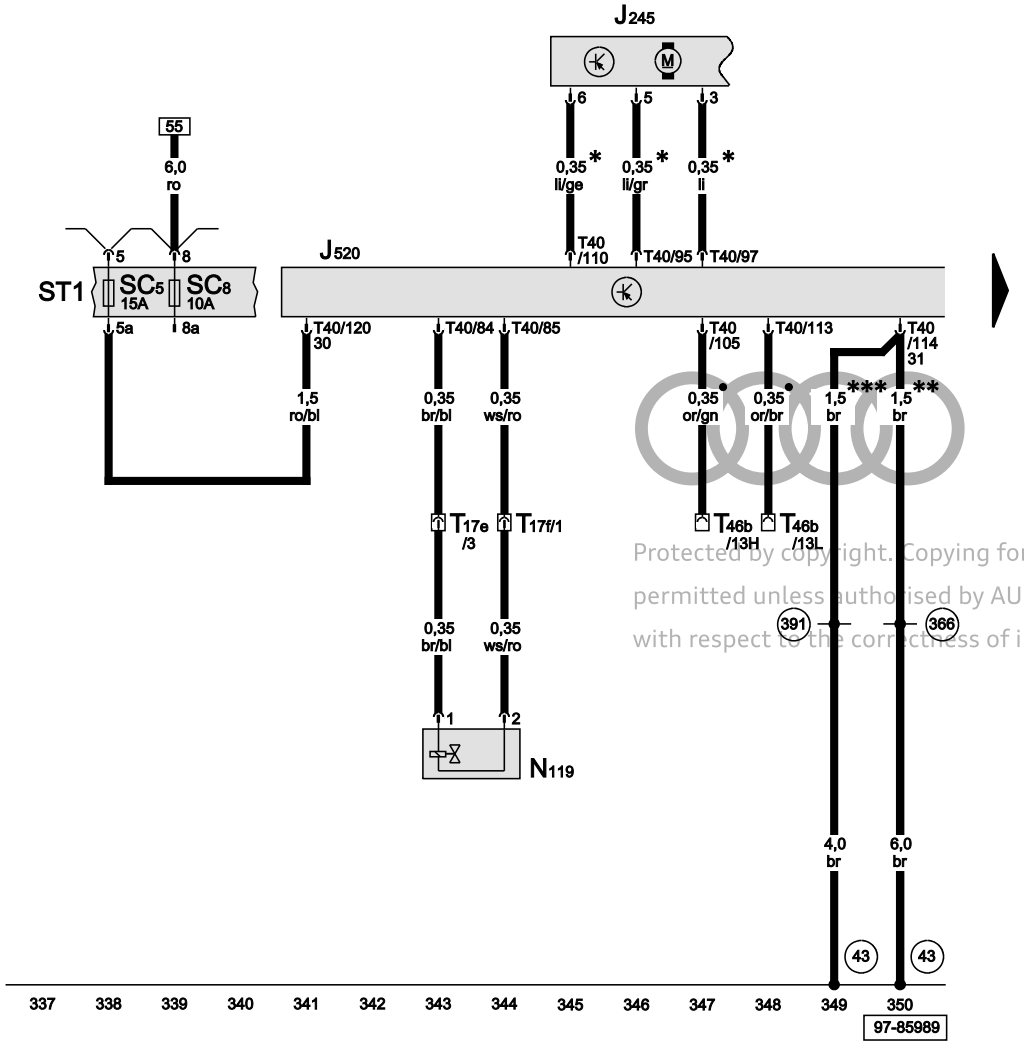
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Wiper motor control unit, rain and light detector sensor, washer jet heater element, headlight washer system pump, washer pump

G397	Rain and light detector sensor
J39	Headlight washer system relay
J400	Wiper motor control unit
SB19	Fuse 19 in fuse holder
SB20	Fuse 20 in fuse holder
SB36	Fuse 36 in fuse holder
T1a	1-pin connector, black, coupling station, left A-pillar
T10a	10-pin connector, purple, coupling station on left electronics box
T17d	17-pin connector, black, coupling station, left A-pillar
T17f	17-pin connector, green, coupling station, left A-pillar
V	Windscreen wiper motor
V5	Washer pump
V11	Headlight washer system pump
Z20	Left washer jet heater element
Z21	Right washer jet heater element
44	Earth point, lower part of left A-pillar
261	Earth connection, in heated washer jet wiring harness
367	Earth connection 2, in main wiring harness
375	Earth connection 10, in main wiring harness
389	Earth connection 24, in main wiring harness
607	Earth point, on left in plenum chamber
*	models with headlight washer system
**	9-point relay carrier, behind driver storage compartment
#	up to model year 2005
##	from model year 2006
♦	up to October 2005
♦♦	from November 2005

Onboard supply control unit 2, servotronic solenoid valve

J245	Sliding sunroof adjustment control unit
J520	Onboard supply control unit 2
N119	Servotronic solenoid valve
SC5	Fuse 5 in fuse holder
SC8	Fuse 8 in fuse holder
T17e	17-pin connector, red, coupling station, left A-pillar
T17f	17-pin connector, green, coupling station, left A-pillar
T40	40-pin connector, black, on onboard supply control unit 2
T46b	46-pin connector, CAN disconnector right
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
391	Earth connection 26, in main wiring harness
•	CAN bus (data wire)
*	models with sunroof
**	up to October 2005
***	from November 2005

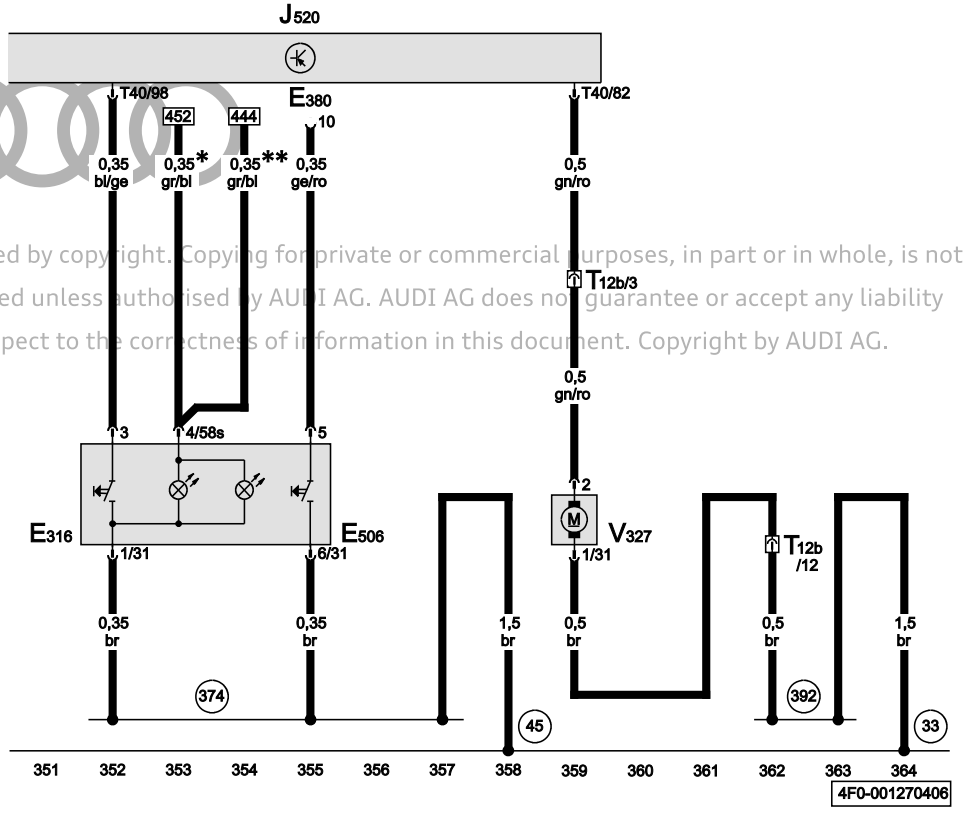


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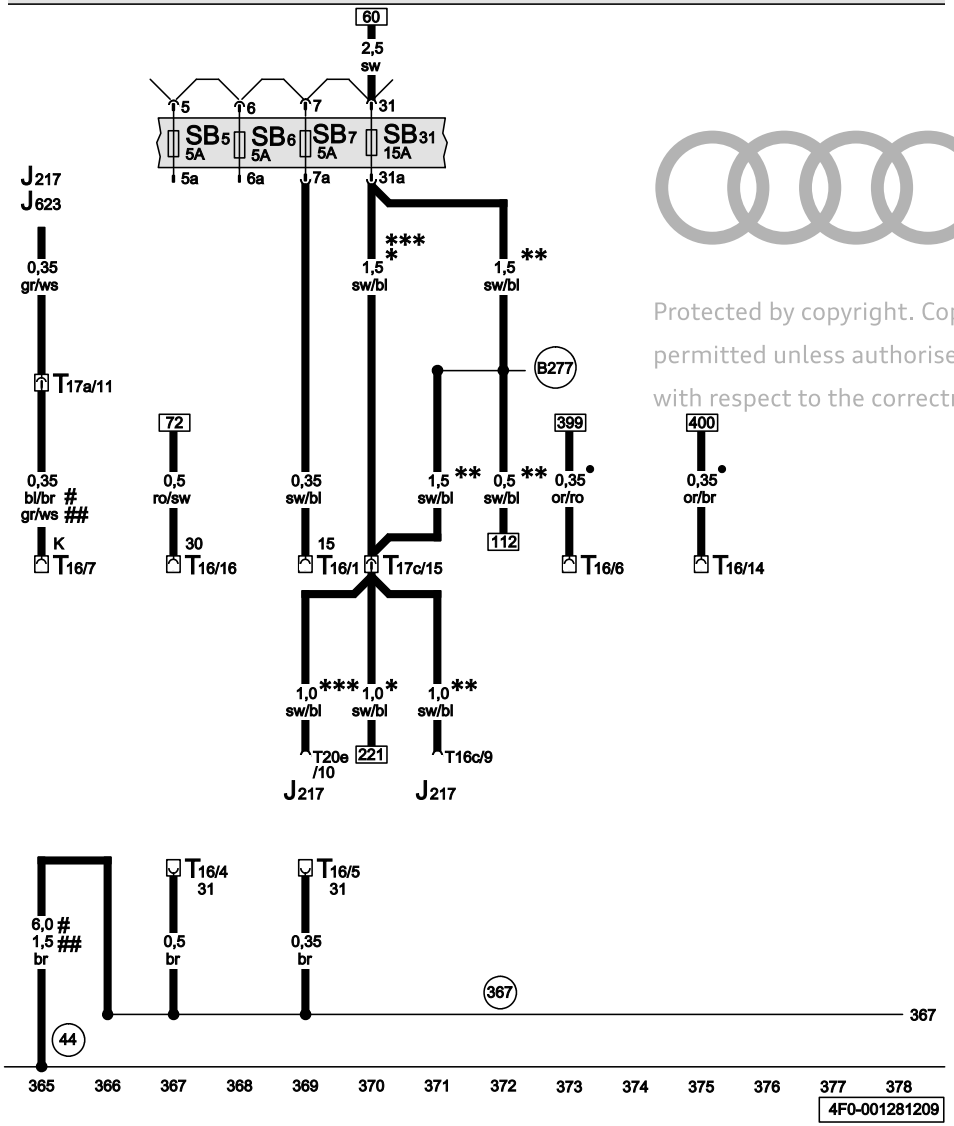
Onboard supply control unit 2, glove compartment release motor, glove compartment button, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J520	Onboard supply control unit 2
T12b	12-pin connector, black, on right behind dash panel
T40	40-pin connector, black, on onboard supply control unit 2
V327	Glove compartment release motor
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
392	Earth connection 27, in main wiring harness
*	up to October 2005
**	from November 2005



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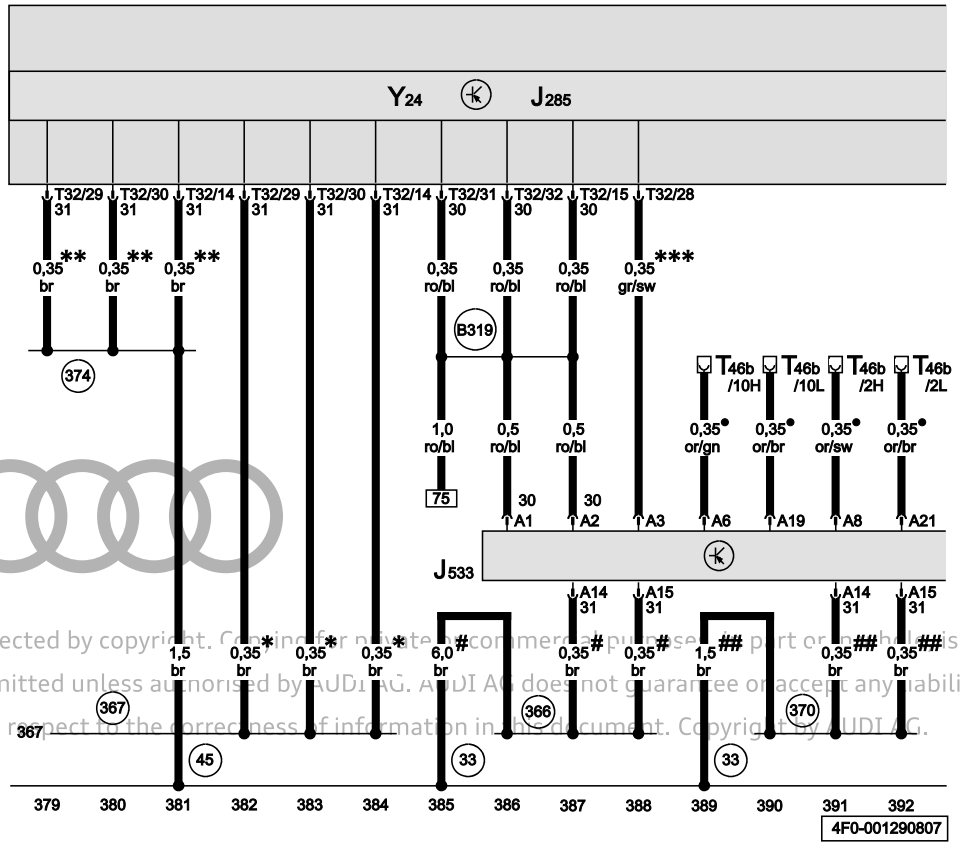
Diagnosic connection

J217	Automatic gearbox control unit
J623	Engine control unit
SB5	Fuse 5 in fuse holder
SB6	Fuse 6 in fuse holder
SB7	Fuse 7 in fuse holder
SB31	Fuse 31 in fuse holder
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
•	CAN bus (data wire)
*	models with manual gearbox
**	models with automatic gearbox 09L
***	models with automatic gearbox 01J
#	up to model year 2005
##	from model year 2006

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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
T32	32-pin connector, grey, on dash panel insert
T46b	46-pin connector, CAN disconnector right
Y24	Display in dash panel insert
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
366	Earth connection 1, in main wiring harness
367	Earth connection 2, in main wiring harness
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005
***	Wake Up wire (exciter wire)
#	up to model year 2005
##	from model year 2006

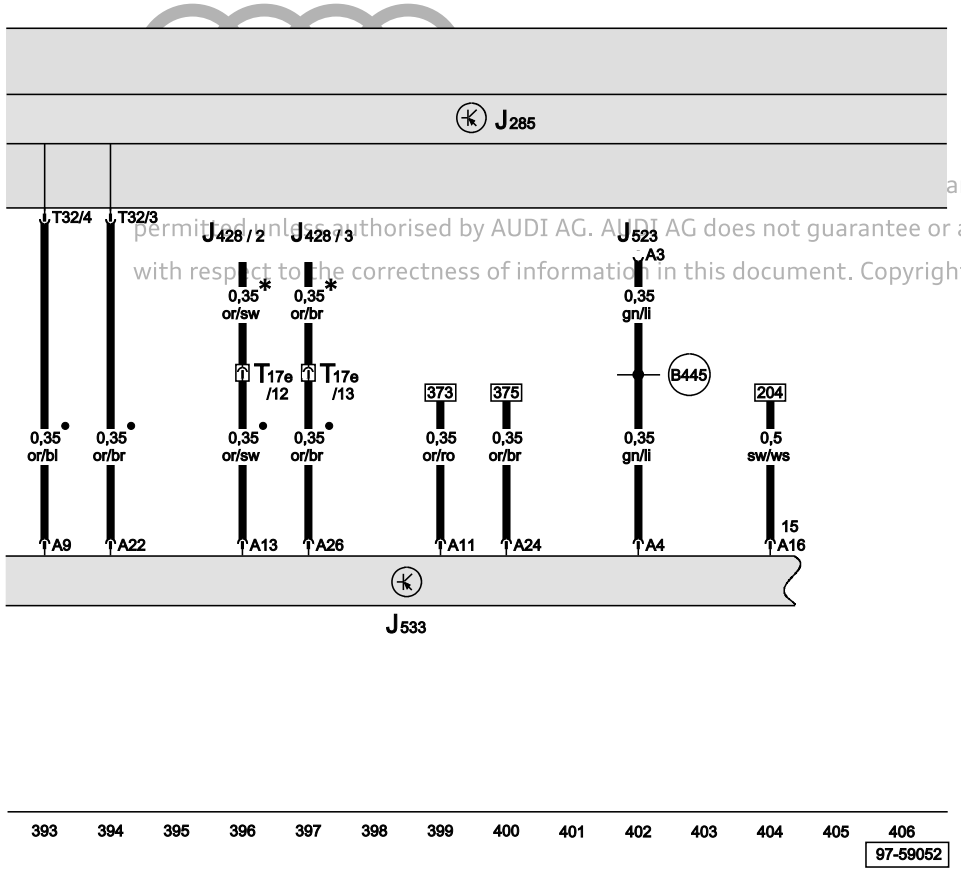


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Control unit in dash panel insert, data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
T17e	17-pin connector, red, coupling station, left A-pillar
T32	32-pin connector, grey, on dash panel insert
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
•	CAN bus (data wire)
*	models with adaptive cruise control (ACC)

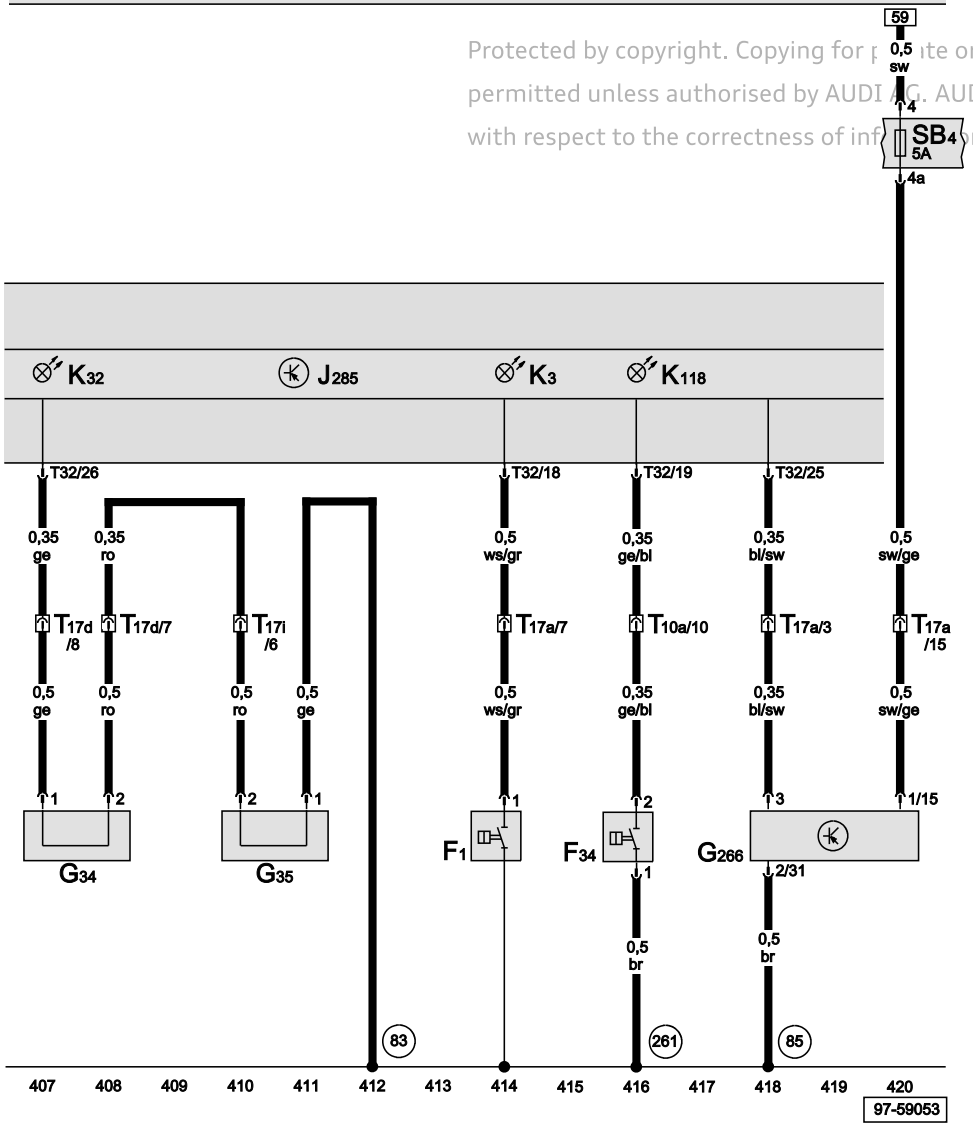


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Control unit in dash panel insert, front brake pad wear sender, oil pressure switch, brake fluid level warning contact, oil level and oil temperature sender

F1	Oil pressure switch
F34	Brake fluid level warning contact
G34	Front left brake pad wear sender
G35	Front right brake pad wear sender
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K32	Brake pad warning lamp
K118	Brake system warning lamp
SB4	Fuse 4 in fuse holder
T10a	10-pin connector, purple, coupling station on left electronics box
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17d	17-pin connector, black, coupling station, left A-pillar
T17i	17-pin connector, red, coupling station, right A-pillar
T32	32-pin connector, grey, on dash panel insert
83	Earth connection 1, in front right wiring harness
85	Earth connection 1, in engine compartment wiring harness
261	Earth connection, in heated washer jet wiring harness

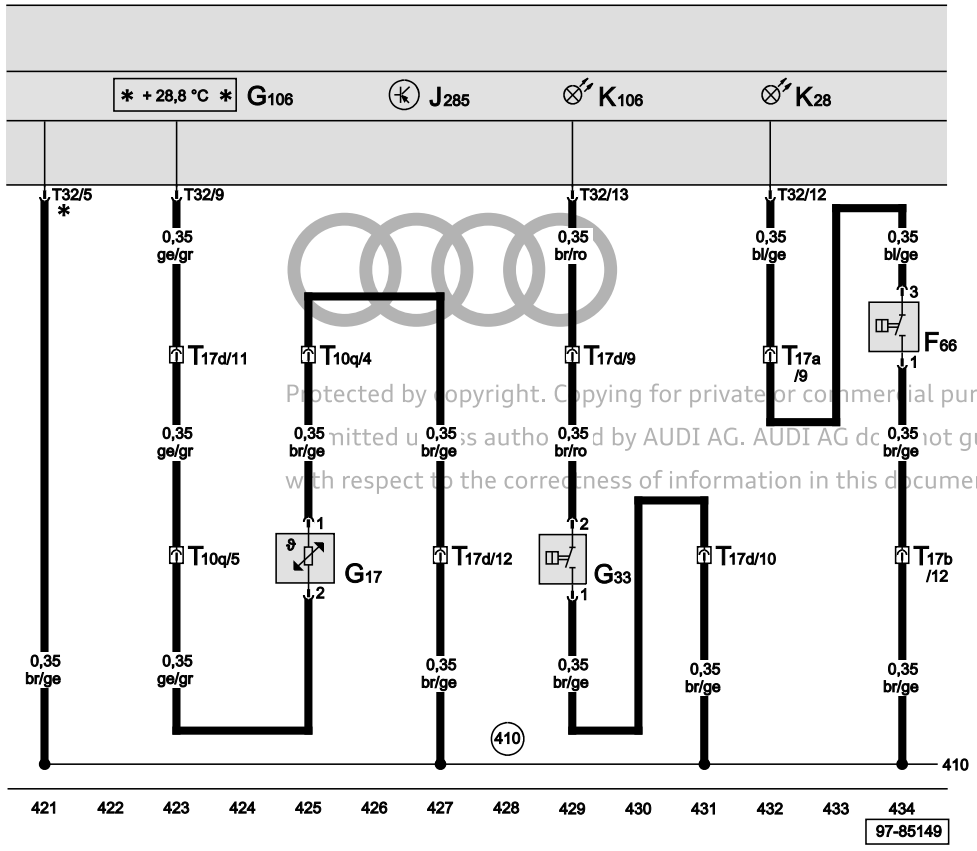


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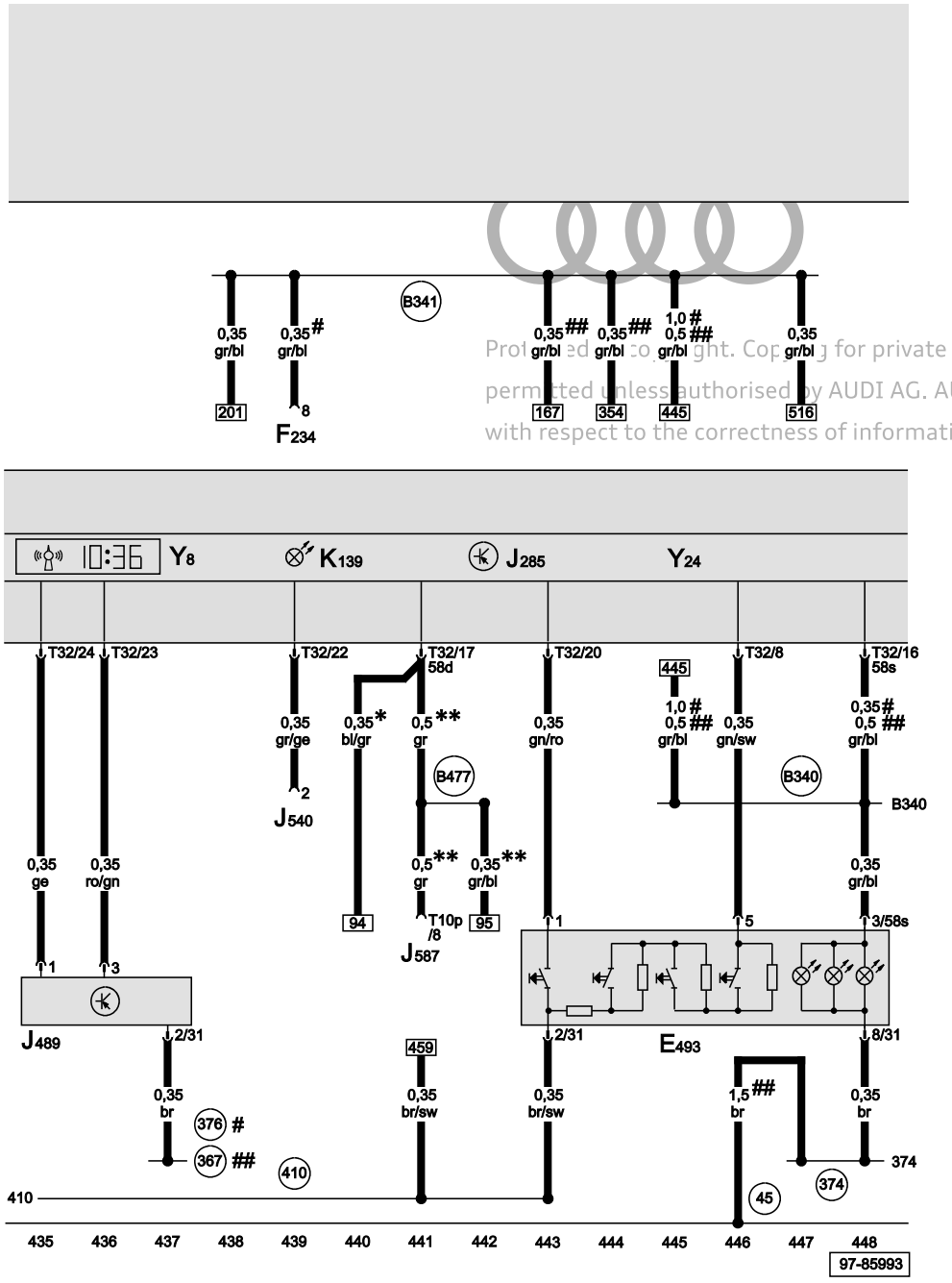
Control unit in dash panel insert, ambient temperature sensor, coolant shortage indicator switch, windscreen washer fluid level sender

F66	Coolant shortage indicator switch
G17	Ambient temperature sensor
G33	Windscreen washer fluid level sender
G106	Ambient temperature indicator
J285	Control unit in dash panel insert
K28	Coolant temperature and coolant shortage warning lamp
K106	Washer fluid low warning lamp
T10q	10-pin connector, black, near left headlight
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T17d	17-pin connector, black, coupling station, left A-pillar
T32	32-pin connector, grey, on dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth



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Control unit in dash panel insert, radio controlled clock, radio controlled clock receiver, handbrake warning lamp

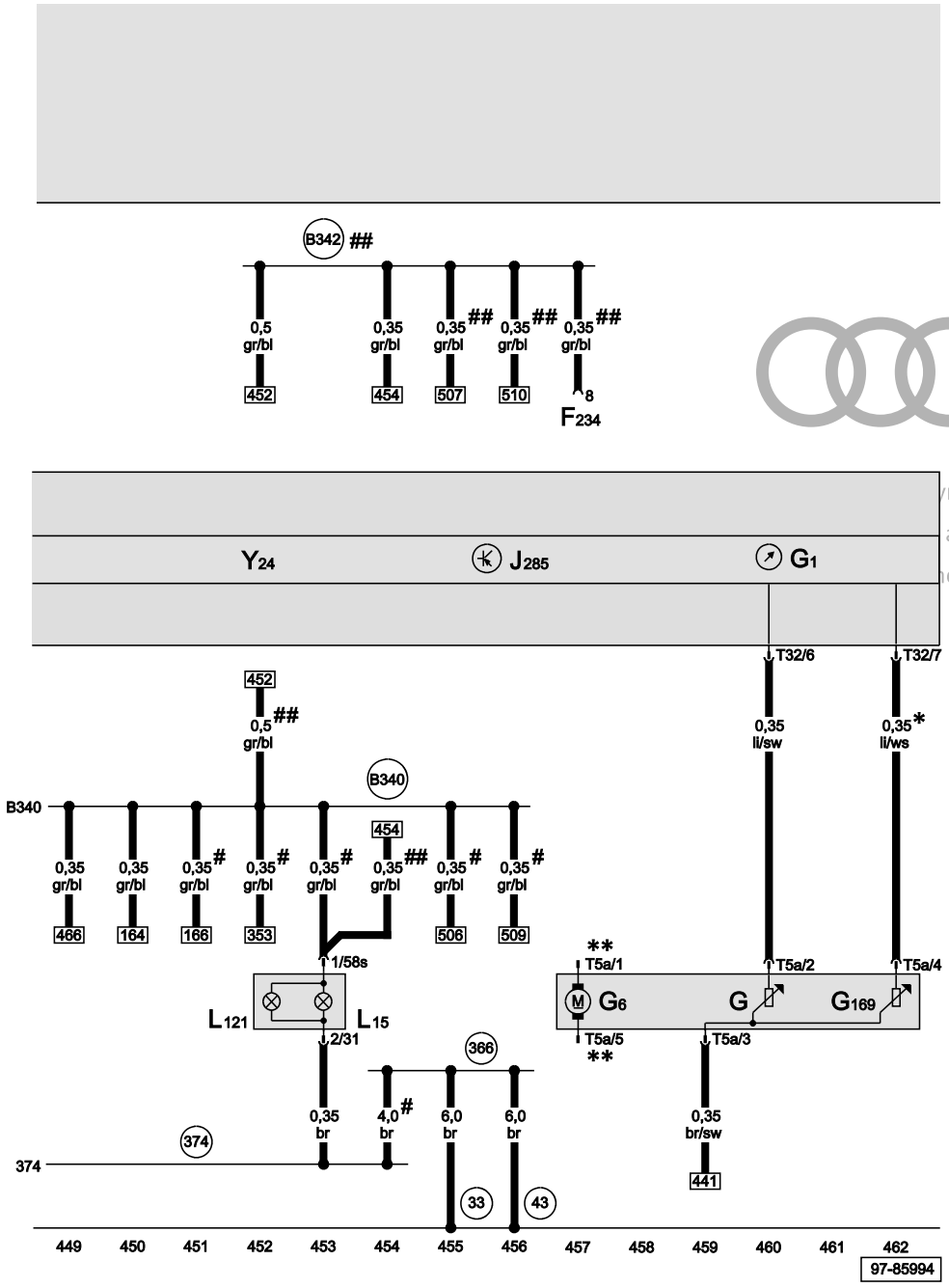
E493	Dash panel insert operating buttons
F234	Parking brake pressure switch
J285	Control unit in dash panel insert
J489	Radio controlled clock receiver
J540	Electric park and handbrake control unit
J587	Selector lever sensors control unit
K139	Handbrake warning lamp
T10p	10-pin connector, black, on selector lever sensors control unit
T32	32-pin connector, grey, on dash panel insert
Y8	Radio controlled clock
Y24	Display in dash panel insert
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
374	Earth connection 9, in main wiring harness
376	Earth connection 11, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B477	Connection 13, in main wiring harness

* models with manual gearbox
** models with automatic gearbox
\# up to October 2005
from November 2005

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

Control unit in dash panel insert, fuel gauge, fuel gauge sender 2, ashtray illumination bulb, cup holder illumination bulb

F234	Parking brake pressure switch
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
L15	Ashtray illumination bulb
L121	Cup holder illumination bulb
T5a	5-pin connector, black, on fuel tank
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness
*	only four-wheel drive
**	connections fuel pump ⇒ engine Current Flow Diagram
#	up to October 2005
##	from November 2005



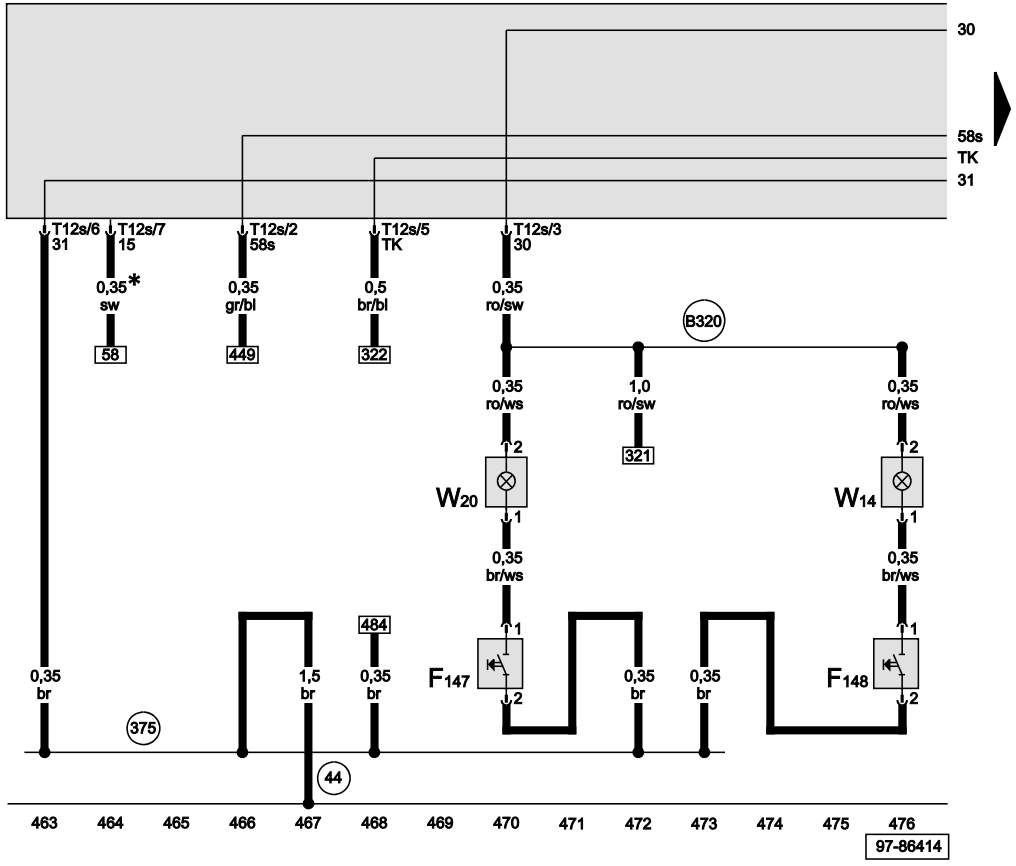
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Driver and front passenger side illuminated vanity mirror, driver and front passenger vanity mirror contact switch

F147	Driver vanity mirror contact switch
F148	Front passenger side vanity mirror contact switch
T12s	12-pin connector, black, connector A, on front roof console
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
44	Earth point, lower part of left A-pillar
375	Earth connection 10, in main wiring harness
B320	Positive connection 6 (30a), in main wiring harness
*	no longer fitted, phased

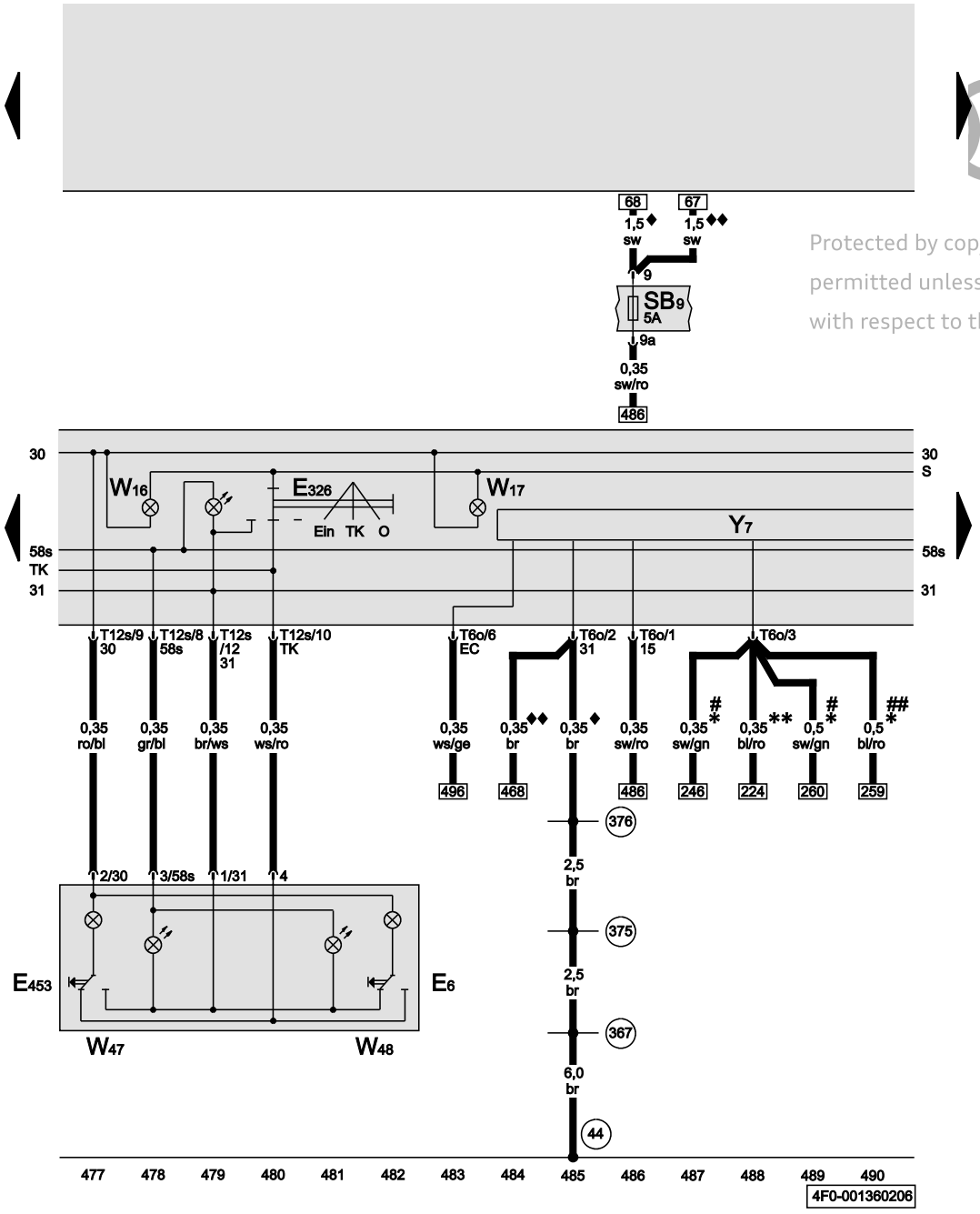


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Interior light rear switch, rear left and right interior light, automatic anti-dazzle interior mirror

E6	Interior light rear switch
E326	Front interior light button
E453	Rear left interior light switch 1
SB9	Fuse 9 in fuse holder
T6o	6-pin connector, black, connector B, on roof console
T12s	12-pin connector, black, connector A, on front roof console
W16	Left interior light
W17	Right interior light
W47	Rear left interior light
W48	Rear right interior light
Y7	Automatic anti-dazzle interior mirror
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
375	Earth connection 10, in main wiring harness
376	Earth connection 11, in main wiring harness
*	models with automatic gearbox
**	models with manual gearbox
#	not Japan
##	only Japan
◆	up to October 2005
◆◆	from November 2005

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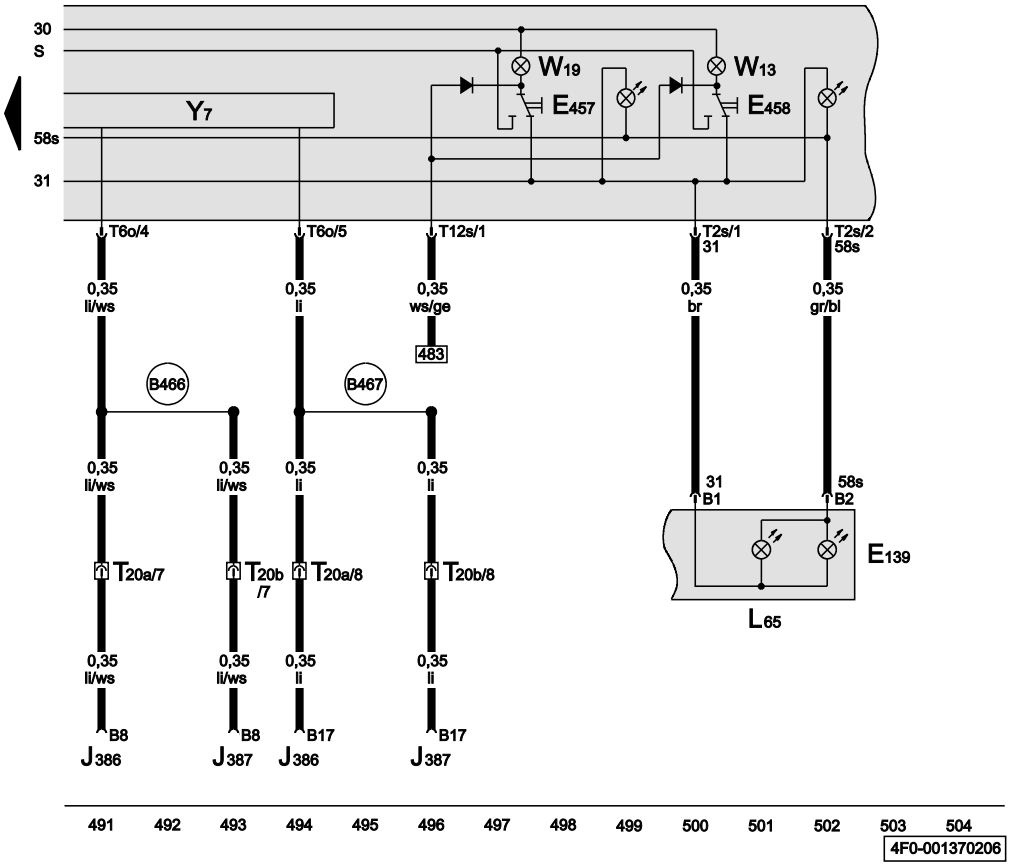


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Automatic anti-dazzle interior mirror, driver and front passenger side reading light, sliding sunroof adjustment regulator

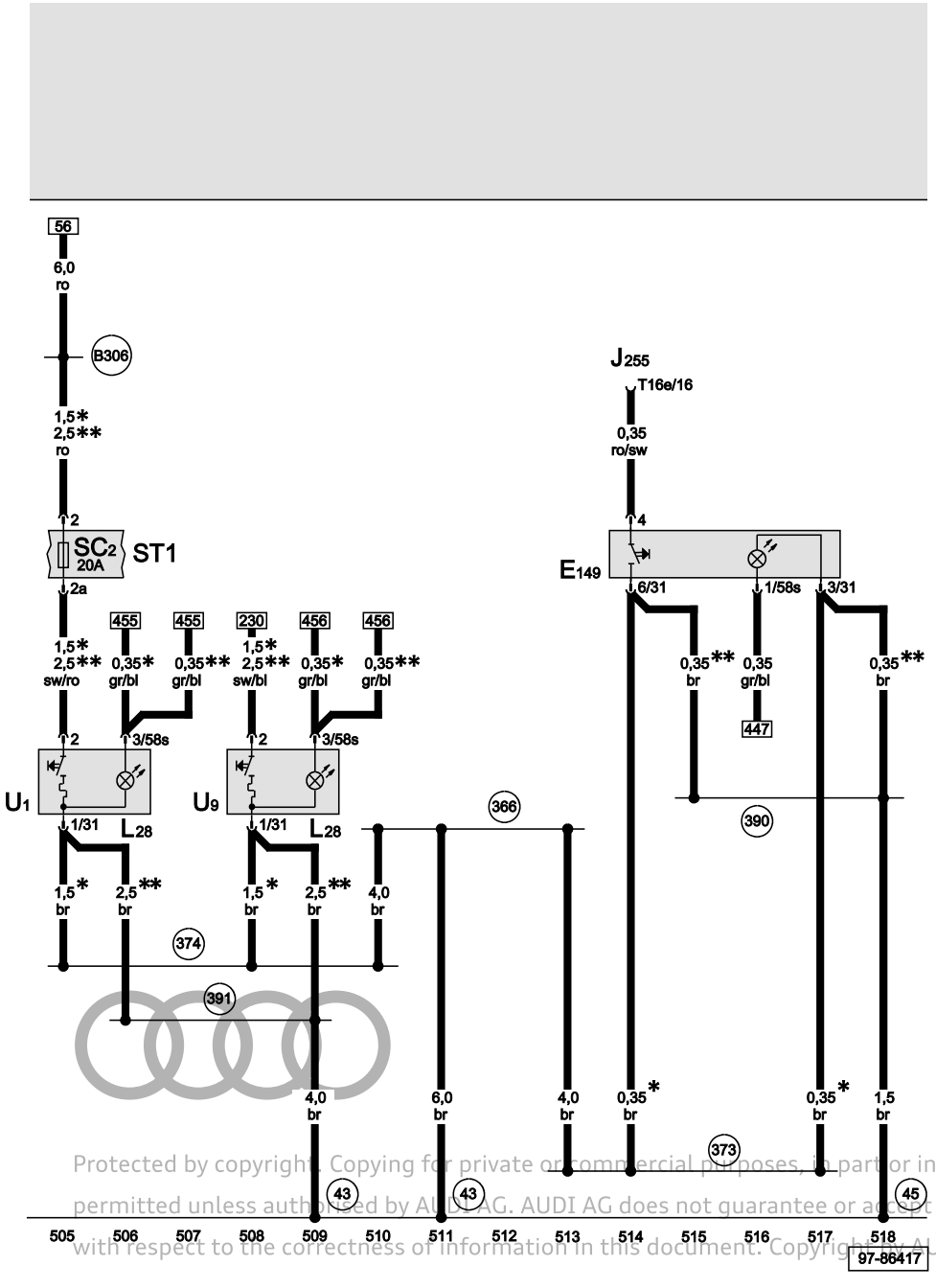
E139	Sliding sunroof adjustment regulator
E457	Driver side reading light button
E458	Front passenger side reading light button
J386	Driver door control unit
J387	Front passenger side door control unit
L65	Sliding sunroof switch illumination bulb
T2s	2-pin connector, connector C, on front roof console
T6o	6-pin connector, black, connector B, on roof console
T12s	12-pin connector, black, connector A, on front roof console
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
B466	Connection 2, in main wiring harness
B467	Connection 3 in main wiring harness

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Rear roller blind switch, cigarette lighter, rear cigarette lighter



E149 Rear roller blind switch
J255 Climatronic control unit
L28 Cigarette lighter illumination bulb
SC2 Fuse 2 in fuse holder
T16e 16-pin connector, black, connector D, on Climatronic control unit
U1 Cigarette lighter
U9 Rear cigarette lighter

43 Earth point, lower part of right A-pillar

45 Earth point, centre behind dash panel

366 Earth connection 1, in main wiring harness

373 Earth connection 8, in main wiring harness

374 Earth connection 9, in main wiring harness

390 Earth connection 25, in main wiring harness

391 Earth connection 26, in main wiring harness

B306 Positive connection 10 (30), in main wiring harness

* up to October 2005
** from November 2005

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Audi A6 4.2 l - Fuel injection engine (246 kW - Motronic - 8 cylinder), engine code BAT, BNK

from model year 2005

Notes:

For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

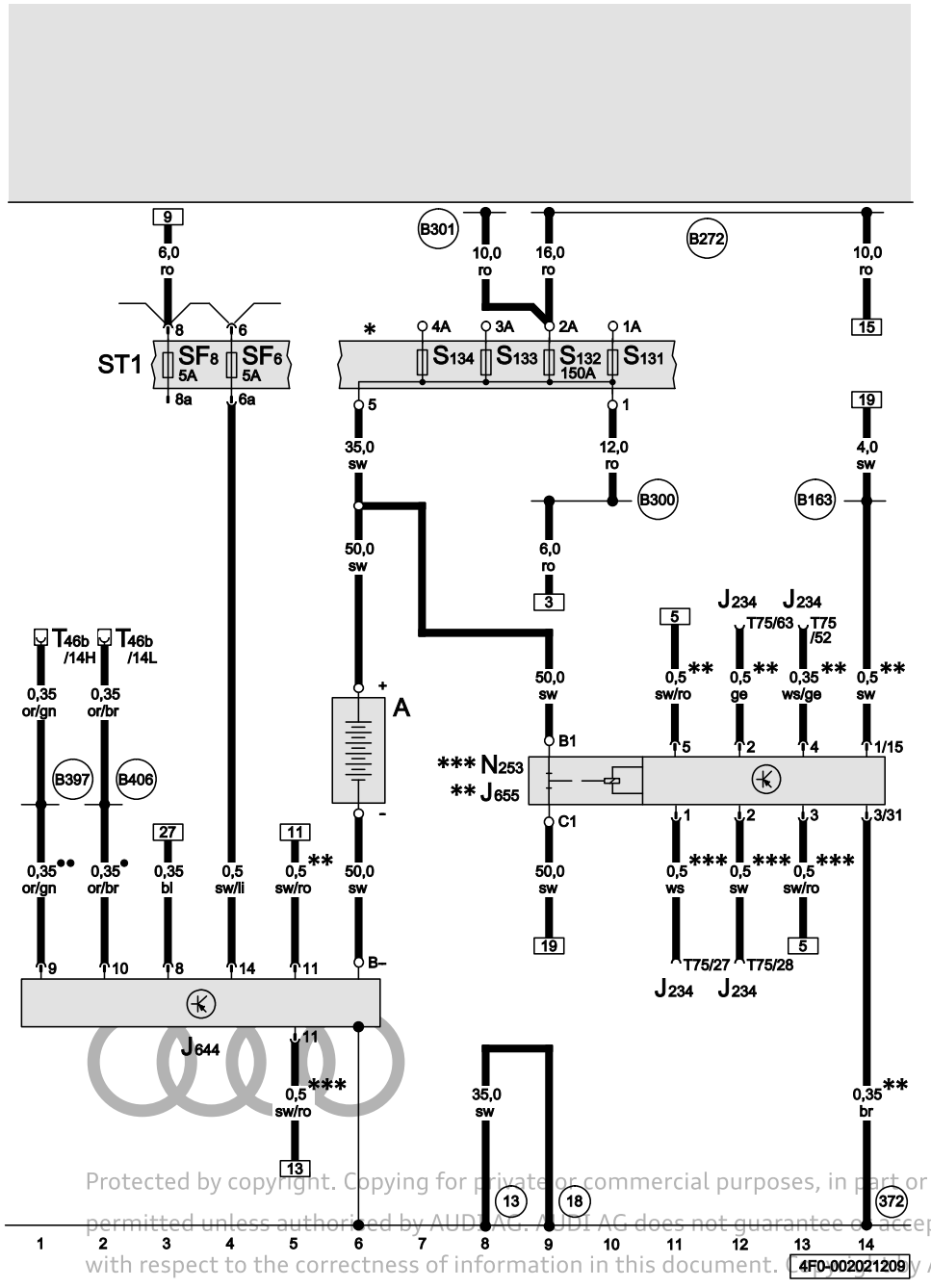
⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

⇒ guided fault finding

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Battery, energy management control unit, battery cut-off relay, fuse

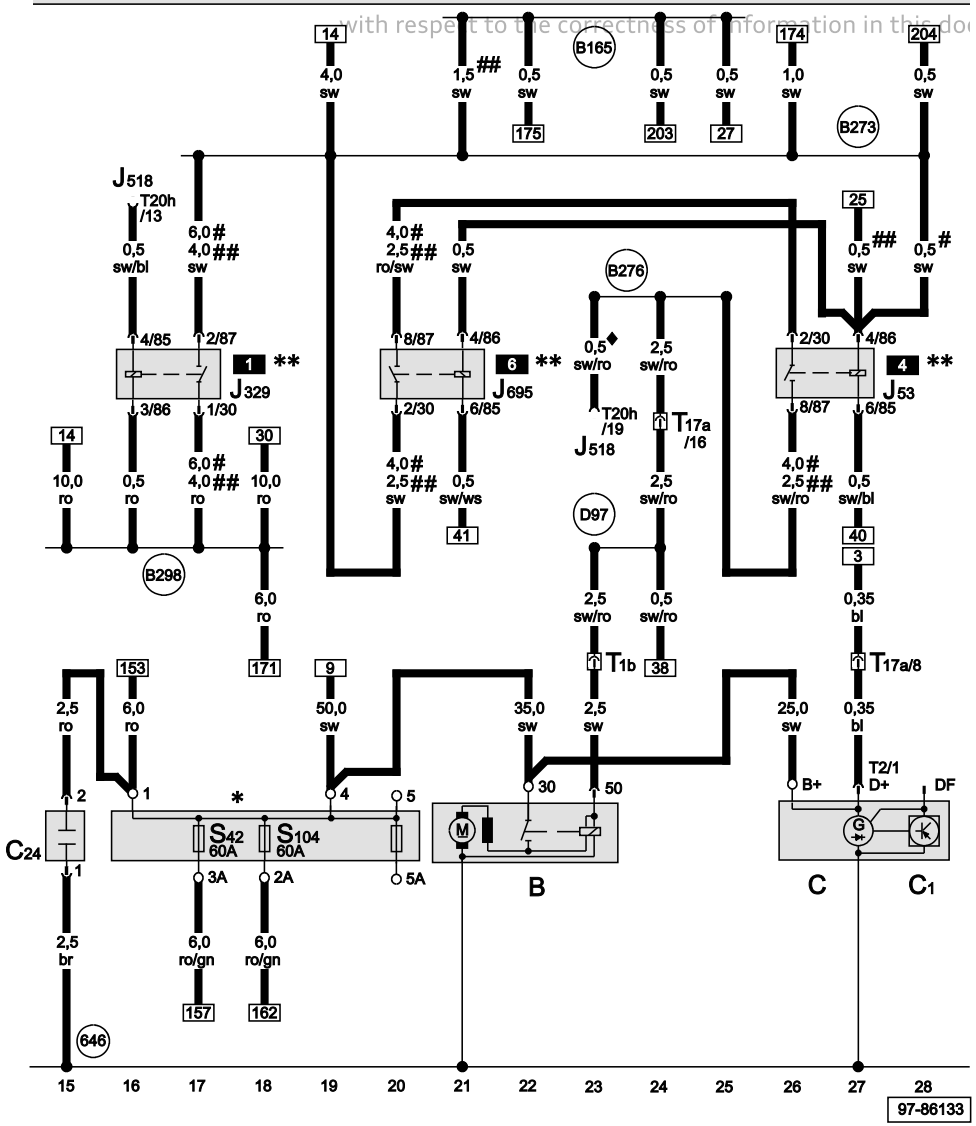


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A	Battery
J234	Airbag control unit
J644	Energy management control unit
J655	Battery cut-off relay
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
T46b	46-pin connector, CAN disconnector right
T75	75-pin connector, grey, on airbag control unit (USA: white)
13	Earth point, on right in engine compartment
18	Earth point on engine block
372	Earth connection 7, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
**	up to about week 26.04
***	from about week 27.04

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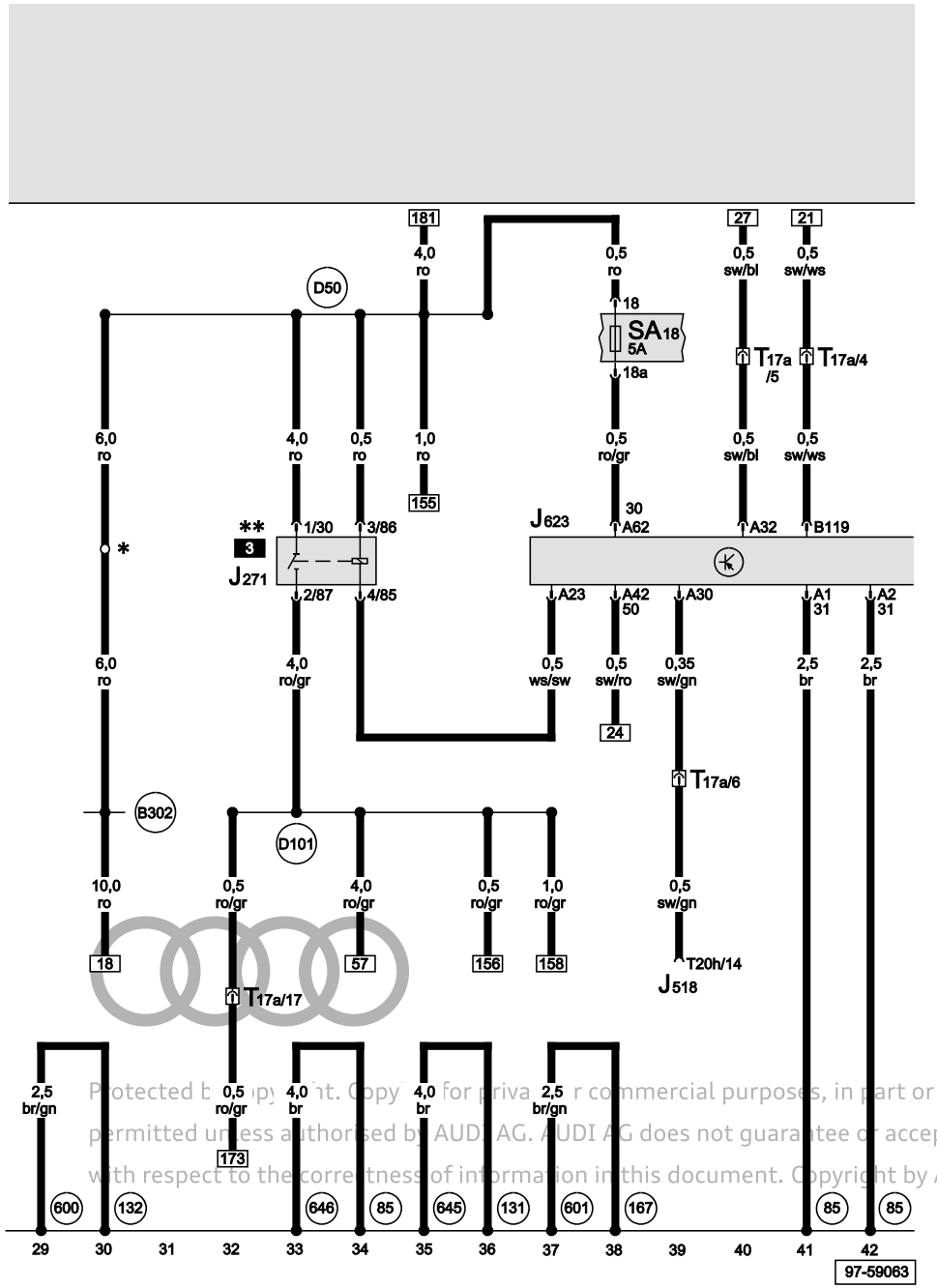
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Starter, alternator, terminal 15 voltage supply relay, starter motor relay

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B276	Positive connection (50), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	9-point relay carrier, behind driver storage compartment
#	up to October 2005
##	from November 2005
♦	no longer fitted, phased from model year 2006

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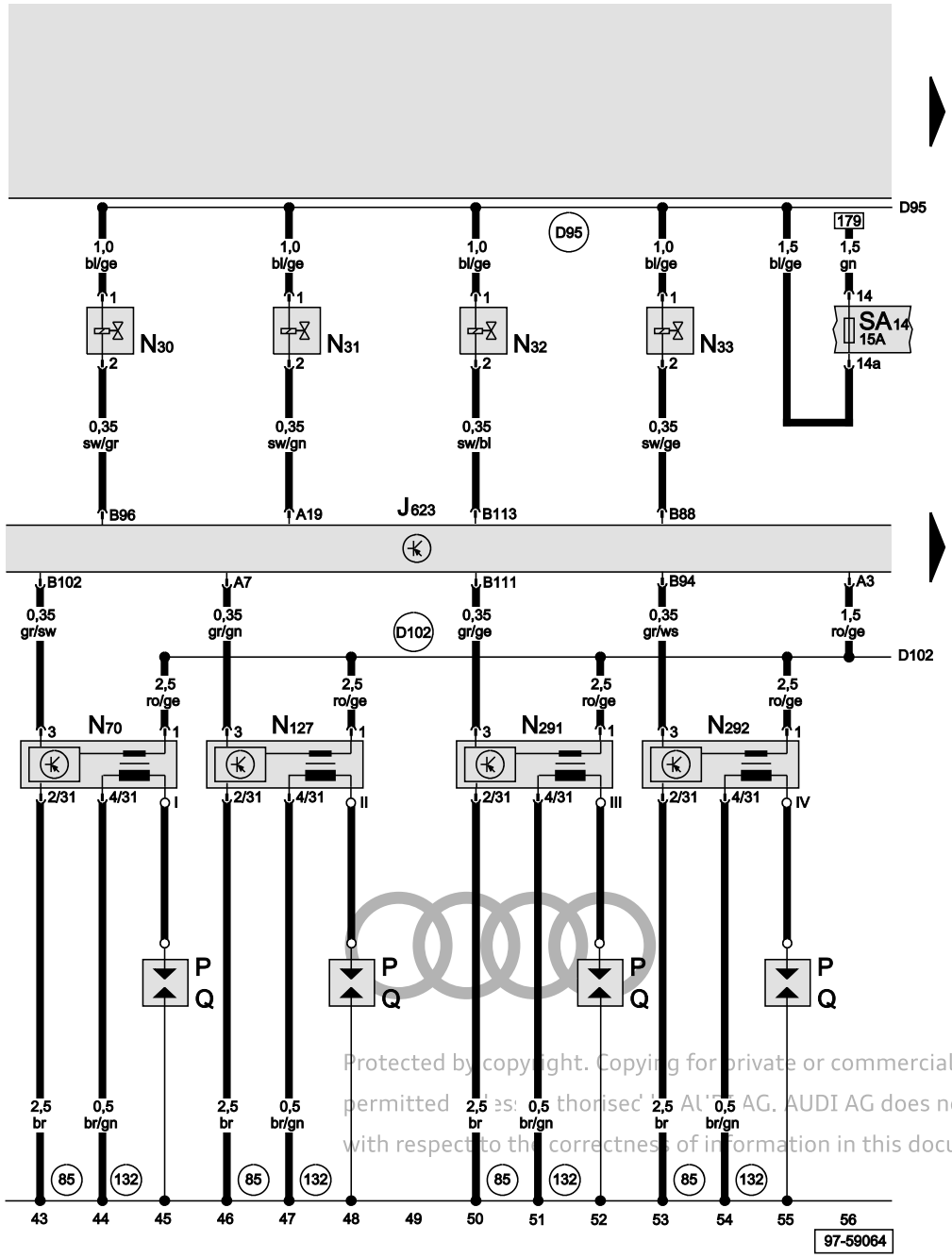
Engine control unit, Motronic current supply relay

J271 Motronic current supply relay
J518 Entry and start authorisation control unit
J623 Engine control unit
SA18 Fuse 8 on fuse holder in engine compartment
T17a 17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h 20-pin connector, black, connector A, on entry and start authorisation control unit

85 Earth connection 1, in engine compartment wiring harness
131 Earth connection 2, in engine compartment wiring harness
132 Earth connection 3, in engine compartment wiring harness
167 Earth connection 4, in engine compartment wiring harness
600 Earth point, on right of cylinder head
601 Earth point, on left of cylinder head
645 Earth point 1, on bulkhead
646 Earth point 2, on bulkhead
B302 Positive connection 6 (30), in main wiring harness
D50 Positive connection (30), in engine compartment wiring harness
D101 Connection 1, in engine compartment wiring harness

* Screw connection in electronics box left in plenum chamber
** Relay carrier electronics box left in plenum chamber

Engine control unit, injector, cylinder 1 - 4, ignition coil 1 - 4 with output stage



J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA14	Fuse 4 on coupling station on left compartment
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness

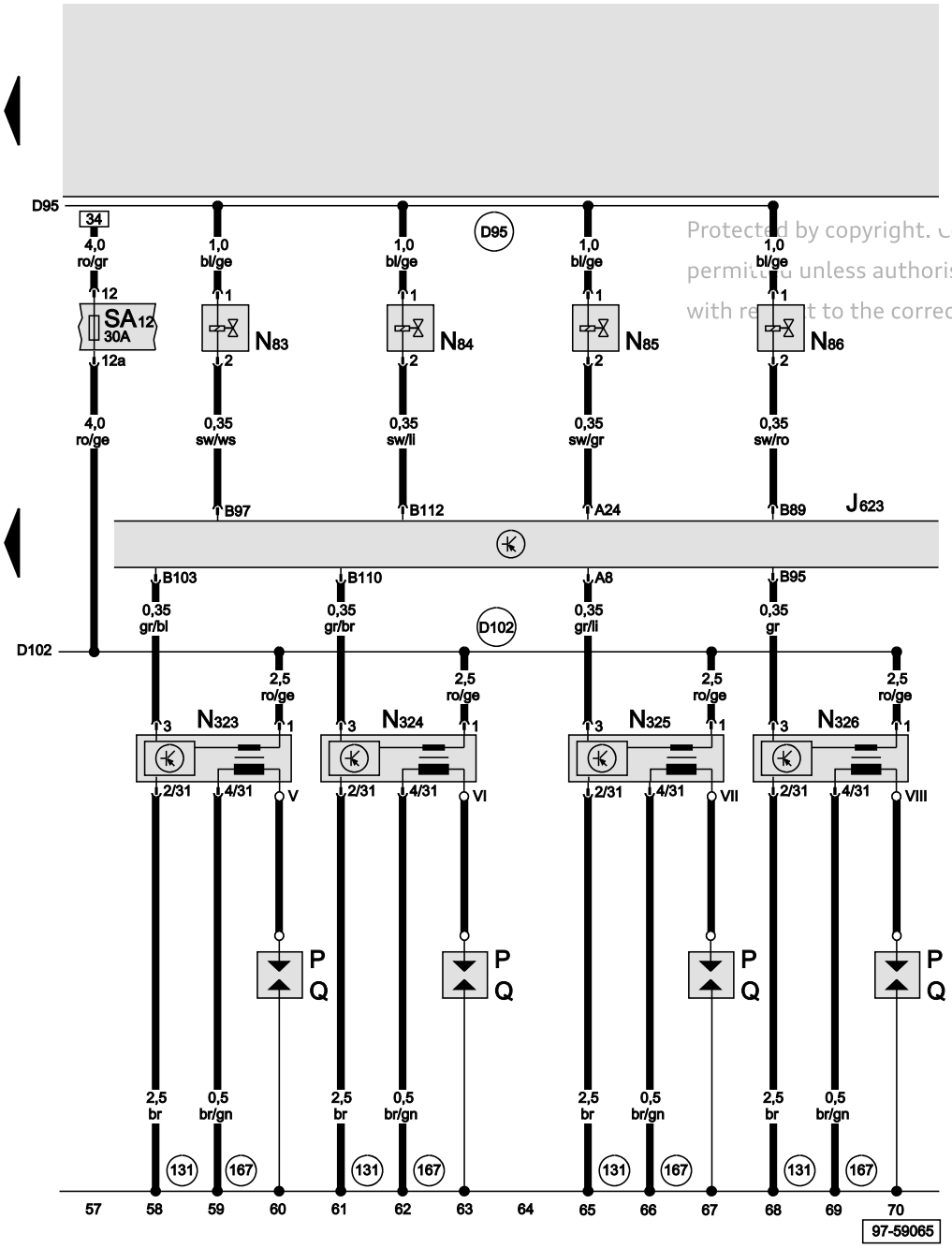
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Engine control unit, injector, cylinder 5 - 8, ignition coil 5 - 8 with output stage

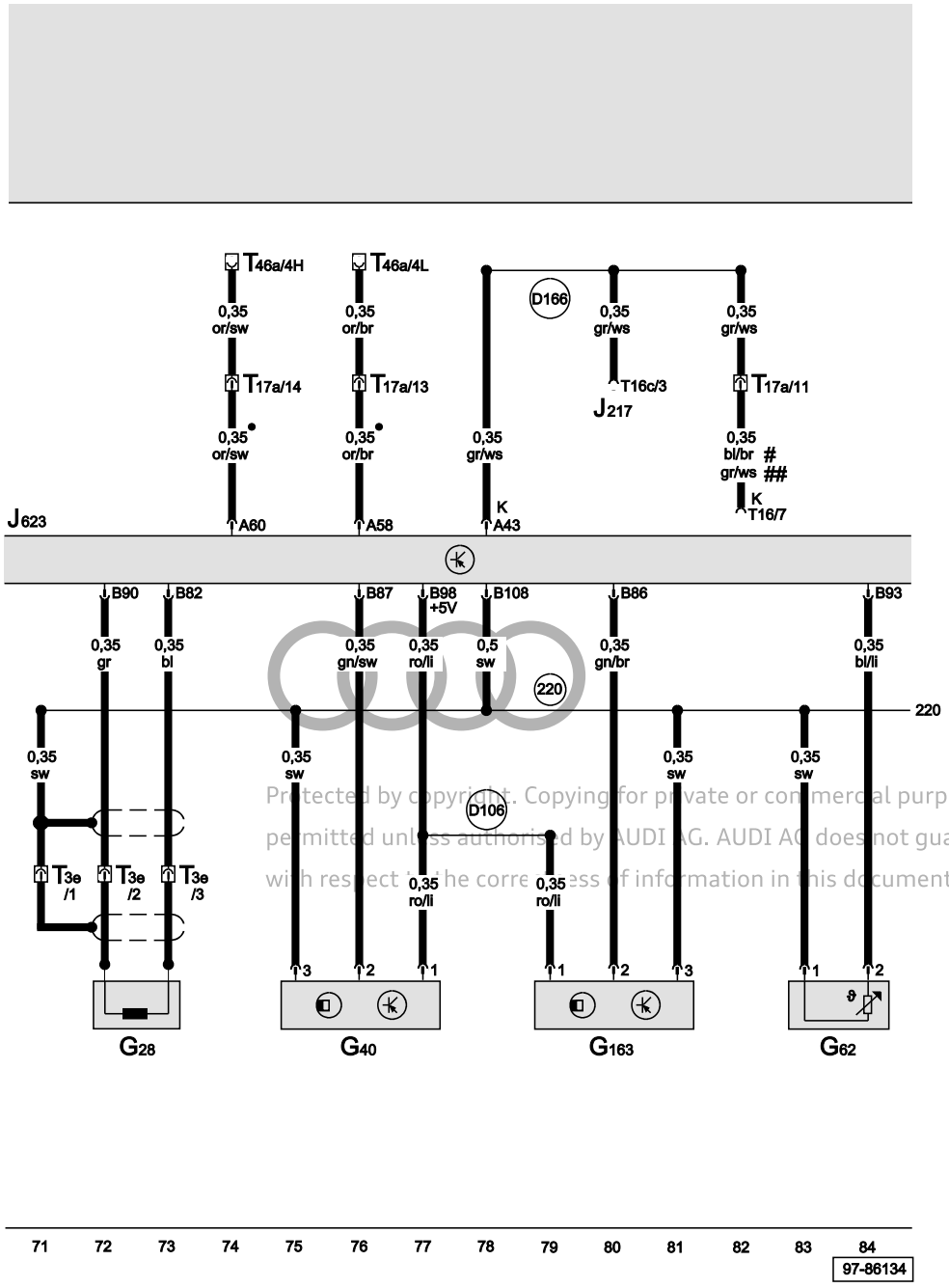
J623	Engine control unit
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N85	Injector, cylinder 7
N86	Injector, cylinder 8
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
N325	Ignition coil 7 with output stage
N326	Ignition coil 8 with output stage
P	Spark plug connector
Q	Spark plugs
SA12	Fuse 2 on fuse holder in engine compartment
131	Earth connection 2, in engine compartment wiring harness
167	Earth connection 4, in engine compartment wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness

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Engine control unit, engine speed sender, Hall sender, Hall sender 2, coolant temperature sender



G28	Engine speed sender
G40	Hall sender
G62	Coolant temperature sender
G163	Hall sender 2
J217	Automatic gearbox control unit
J623	Engine control unit
T3e	3-pin connector, grey, on engine speed sender
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN disconnector left
220	Earth connection (sender earth), in engine wiring harness
D106	Connection 4, in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
•	CAN bus (data wire)
#	up to model year 2005
##	from model year 2006

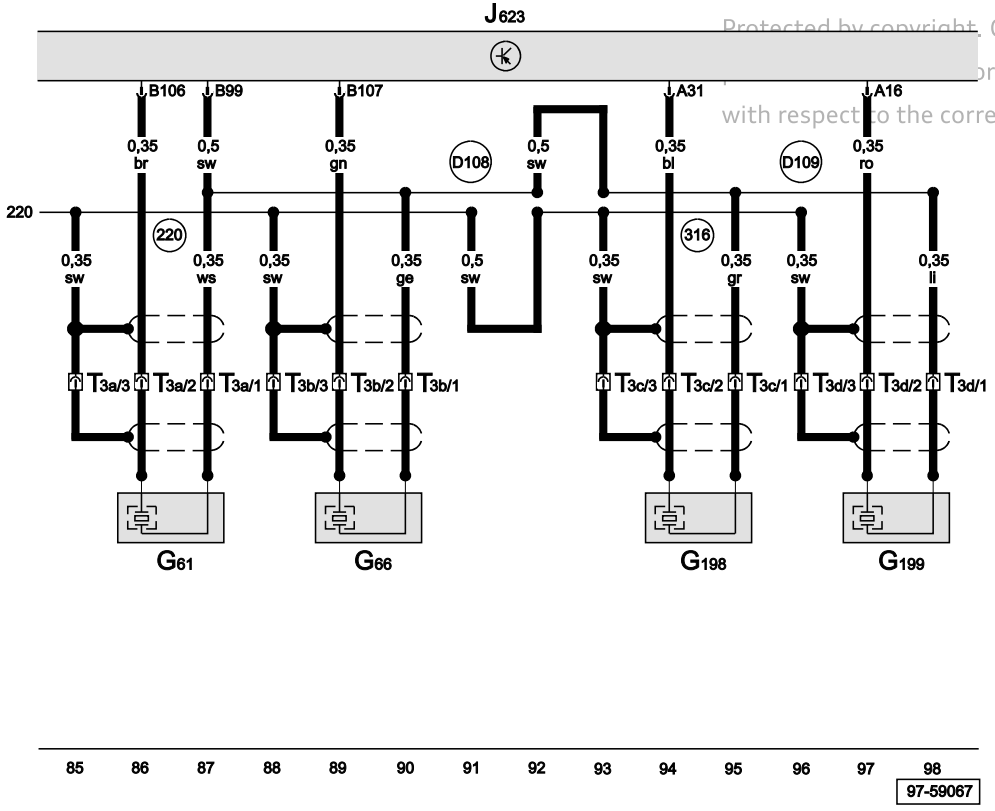
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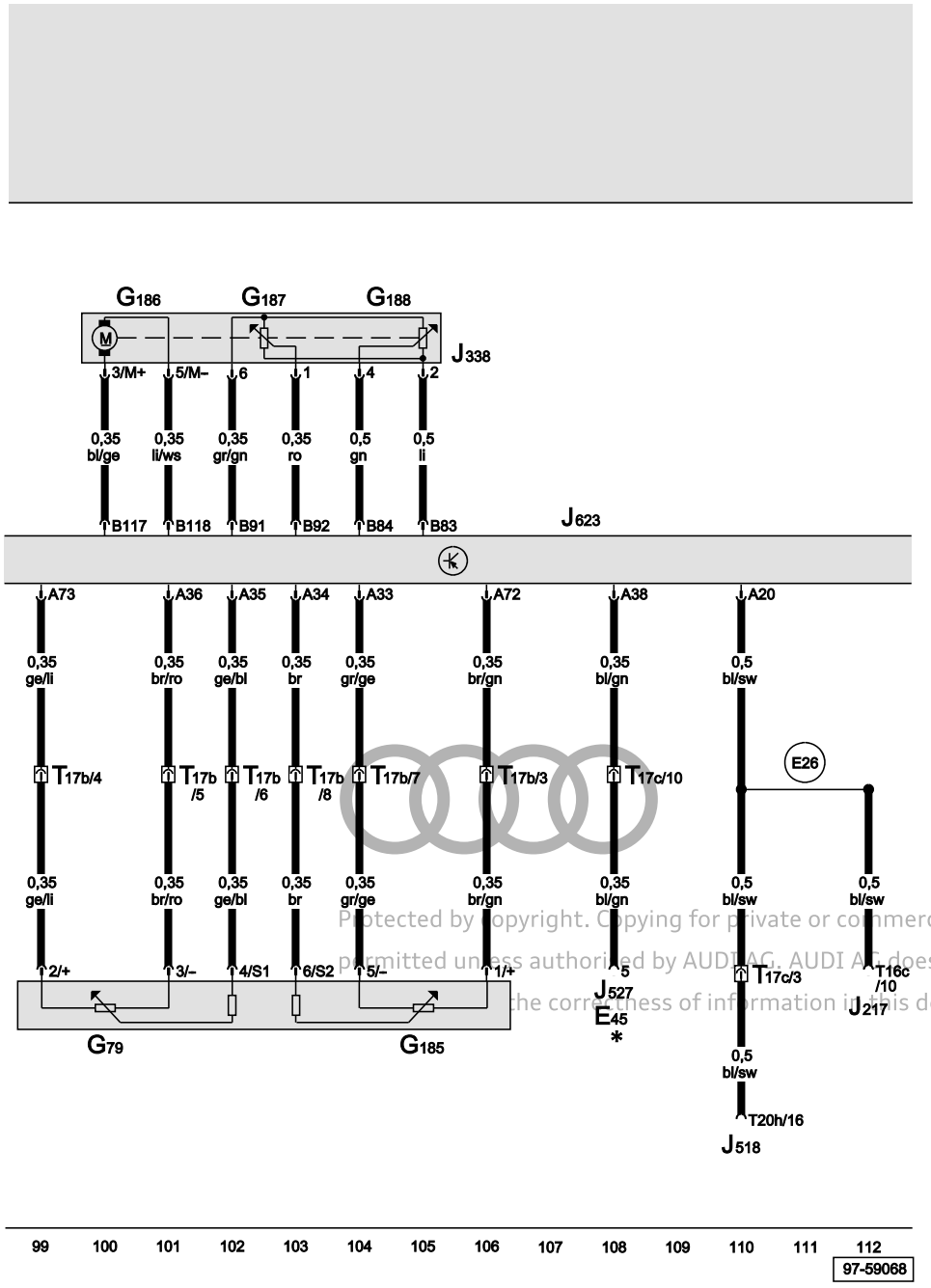
Engine control unit, knock sensors 1 - 4

G61	Knock sensor 1
G66	Knock sensor 2
G198	Knock sensor 3
G199	Knock sensor 4
J623	Engine control unit
T3a	3-pin connector, blue, on knock sensor 1
T3b	3-pin connector, black, on knock sensor 2
T3c	3-pin connector, black, on knock sensor 3
T3d	3-pin connector, blue, on knock sensor 4
220	Earth connection (sender earth), in engine wiring harness
316	Earth connection (sender earth 2), in engine wiring harness
D108	Connection 6, in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness

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Engine control unit, accelerator position sender, throttle valve module

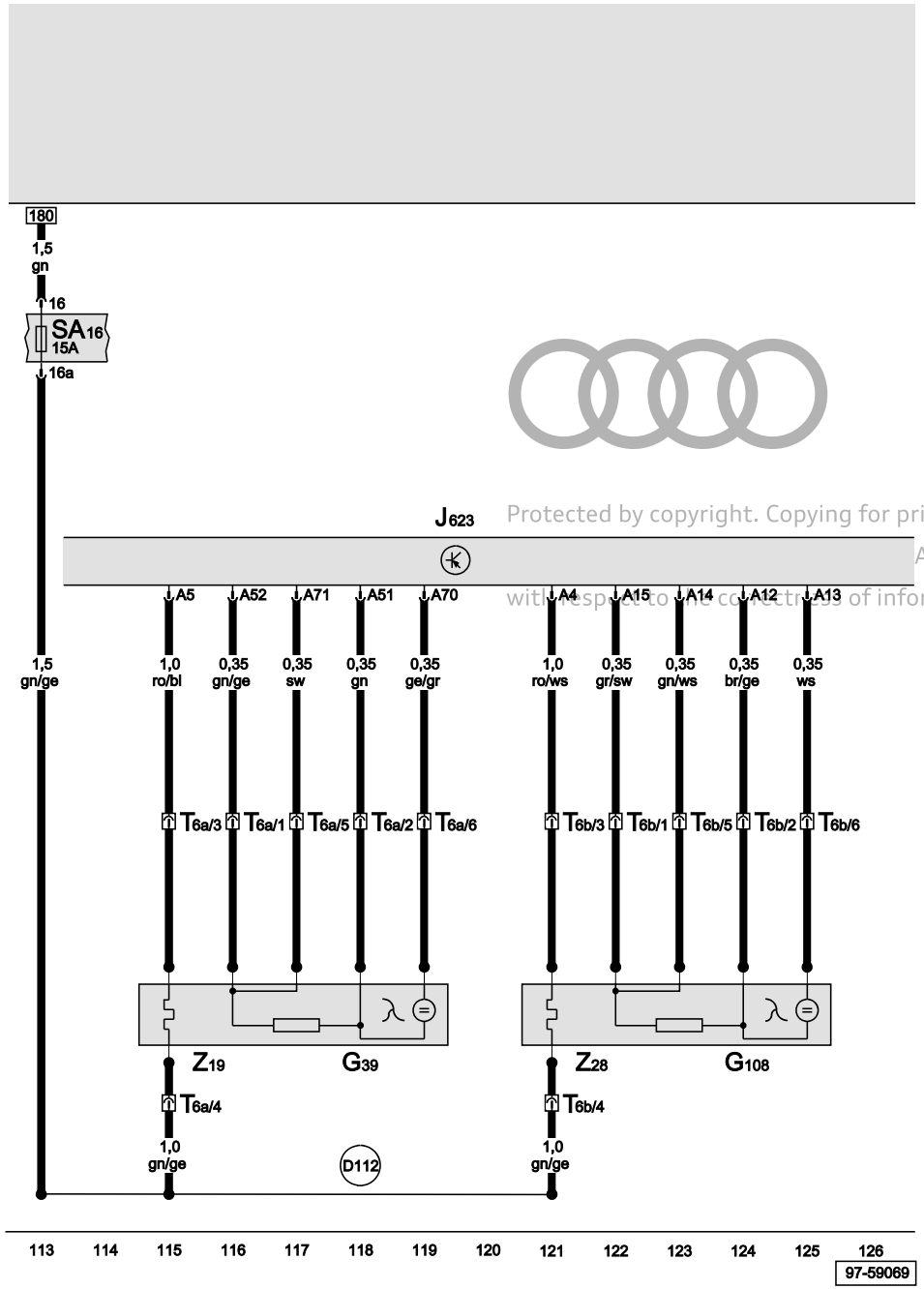
E45	Cruise control system switch
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J217	Automatic gearbox control unit
J338	Throttle valve module
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
E26	Connection selector lever lock, in Motronic wiring harness
*	models with cruise control system

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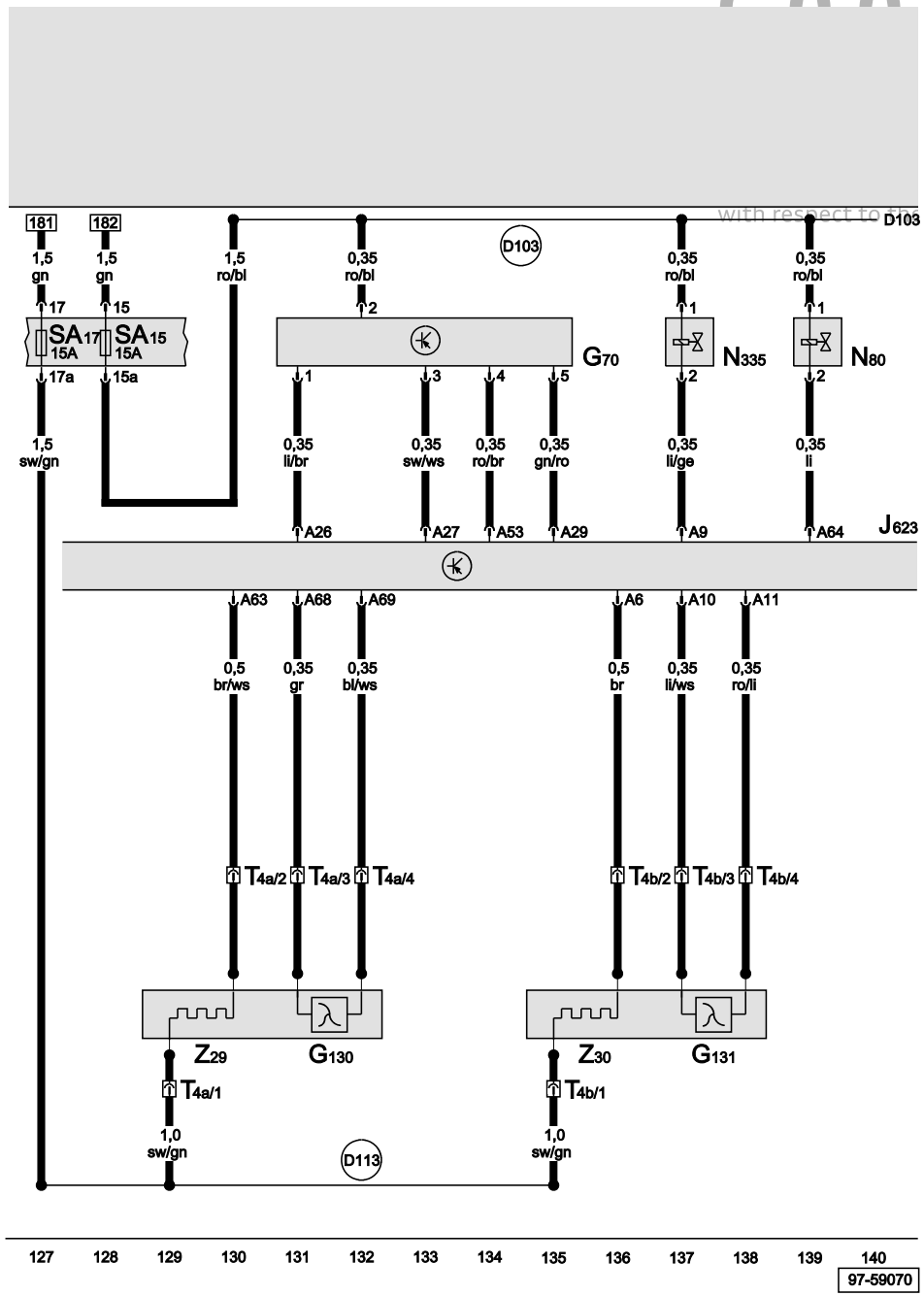
Engine control unit, lambda probe, lambda probe 2

G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA16	Fuse 6 on fuse holder in engine compartment
T6a	6-pin connector, black, for Lambda probe
T6b	6-pin connector, black, for Lambda probe 2
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D112	Connection 10, in engine compartment wiring harness



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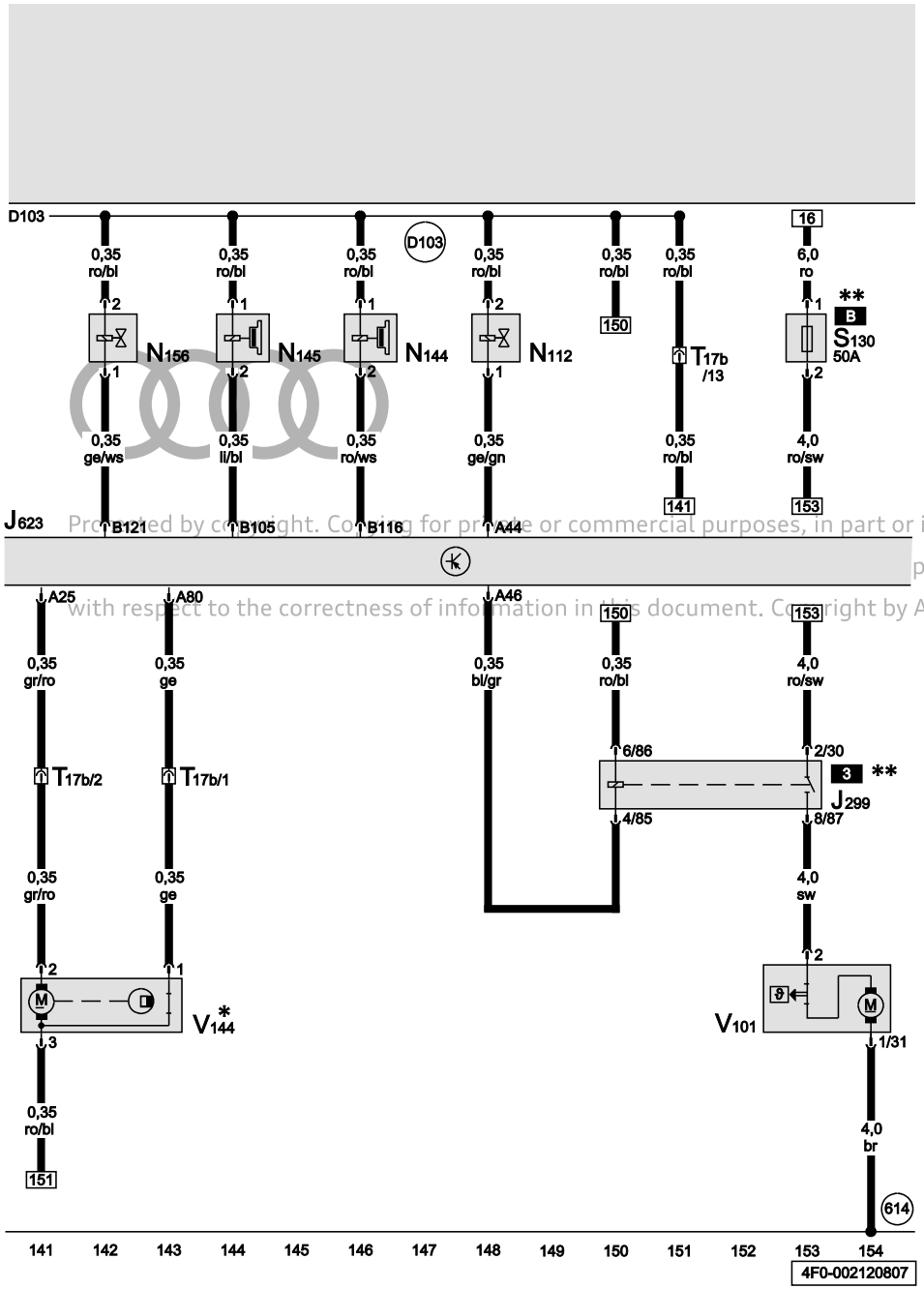


Engine control unit, air mass meter, active charcoal filter system solenoid valve 1, variable intake manifold change-over valve, lambda probe after catalytic converter

G70	Air mass meter
G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N335	Variable intake manifold change-over valve
SA15	Fuse 5 on fuse holder in engine compartment
SA17	Fuse 7 on fuse holder in engine compartment
T4a	4-pin connector, black, for Lambda probe 1 after catalytic converter
T4b	4-pin connector, brown, for Lambda probe 2 after catalytic converter
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D103	Connection 3, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness

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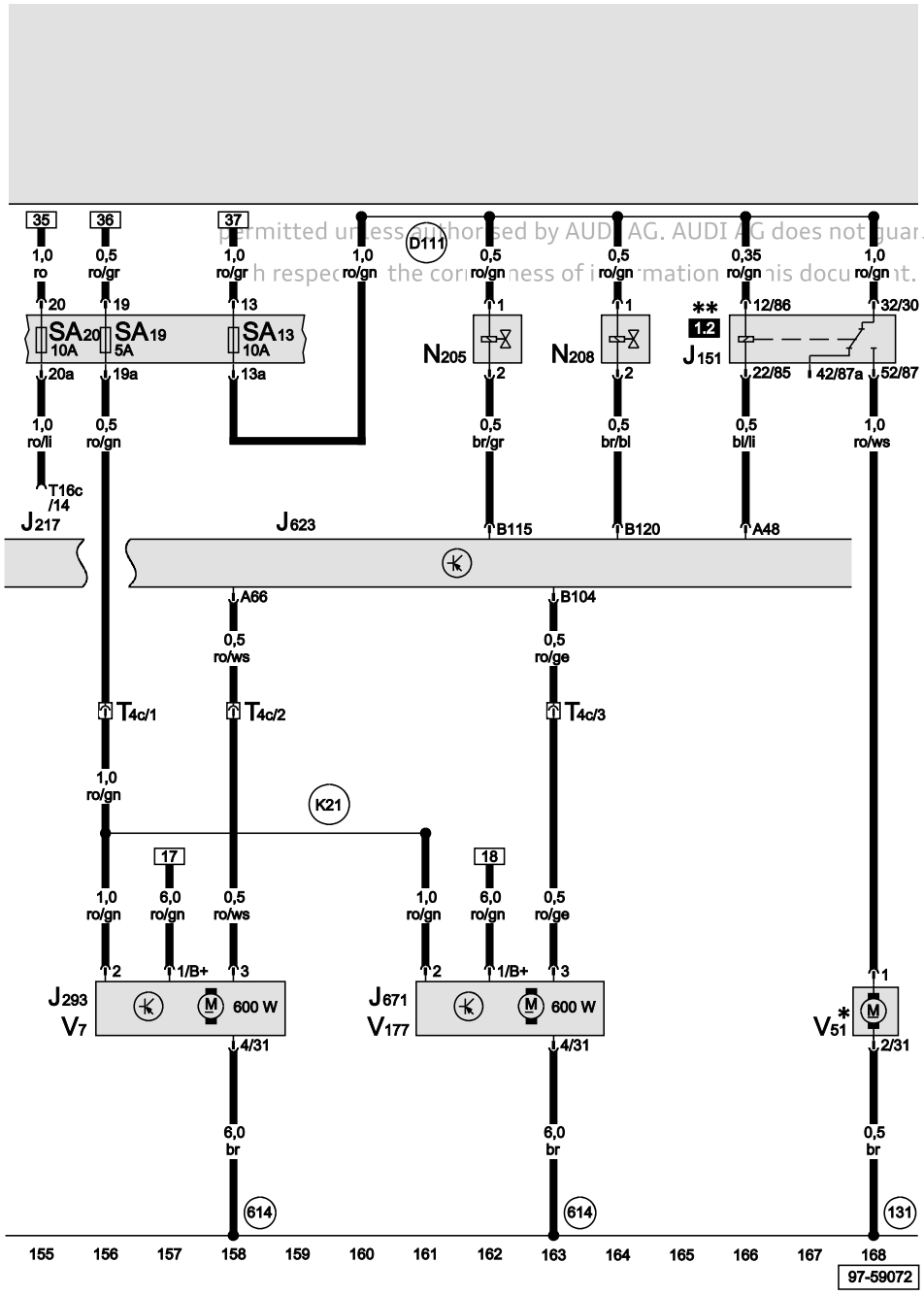


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Engine control unit, secondary air pump relay, electrohydraulic engine mounting solenoid valves, variable intake manifold change-over valve, secondary air pump motor, fuel system diagnostic pump

J299	Secondary air pump relay
J623	Engine control unit
N112	Secondary air inlet valve
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N156	Variable intake manifold change-over valve
S130	Secondary air pump fuse
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
V101	Secondary air pump motor
V144	Fuel system diagnostic pump
614	Earth point 2, on right in engine compartment
D103	Connection 3, in engine compartment wiring harness
*	models with fuel system diagnostic pump
**	Relay carrier electronics box on right in plenum chamber

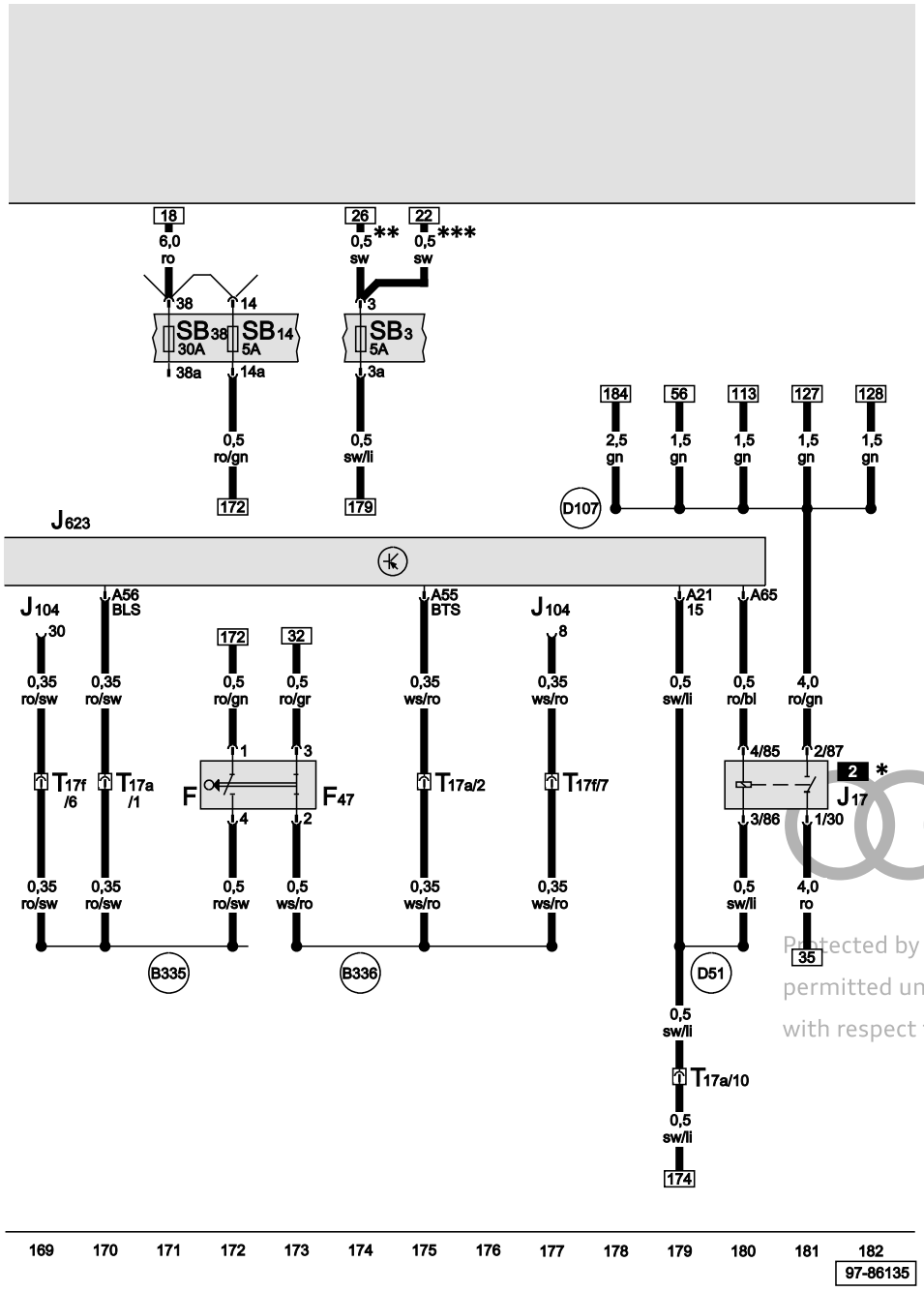


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Engine control unit, continued coolant circulation relay, inlet camshaft control valve, radiator fan, continued coolant circulation pump

J151	Continued coolant circulation relay
J217	Automatic gearbox control unit
J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit -2-
N205	Inlet camshaft control valve 1
N208	Inlet camshaft control valve 2
SA13	Fuse 3 on fuse holder in engine compartment
SA19	Fuse 9 on fuse holder in engine compartment
SA20	Fuse 10 on fuse holder in engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T16c	16-pin connector, black, on automatic gearbox control unit
V7	Radiator fan
V51	Continued coolant circulation pump
V177	Radiator fan 2
131	Earth connection 2, in engine compartment wiring harness
614	Earth point 2, on right in engine compartment
D111	Connection 9, in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	for super hot countries only
**	Relay carrier electronics box left in plenum chamber

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



Engine control unit, brake light switch, fuel pump relay

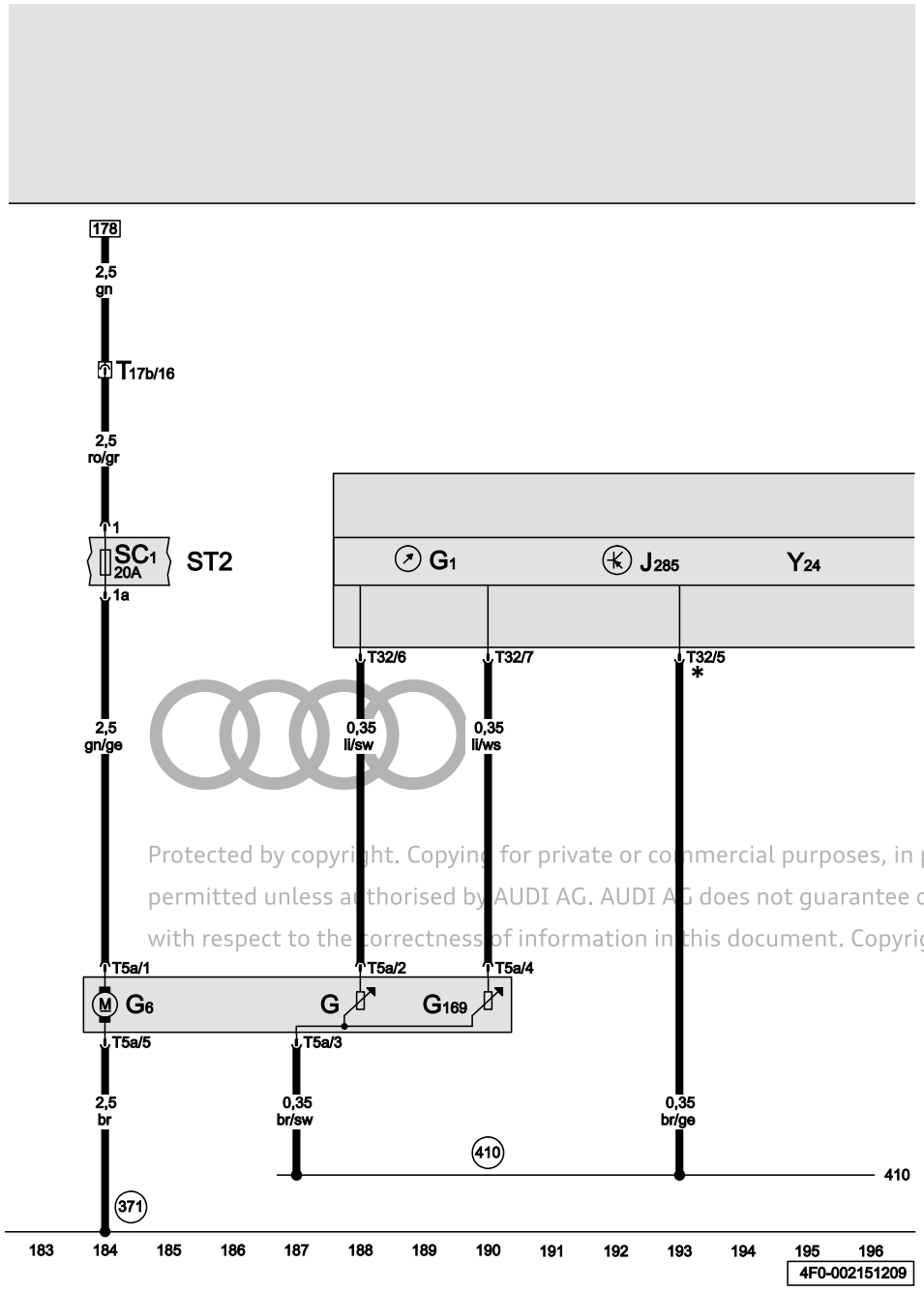
F	Brake light switch
F47	Brake pedal switch
J17	Fuel pump relay
J104	ABS control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left A-pillar
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	up to October 2005
***	from November 2005

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Control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sender, fuel gauge sender 2

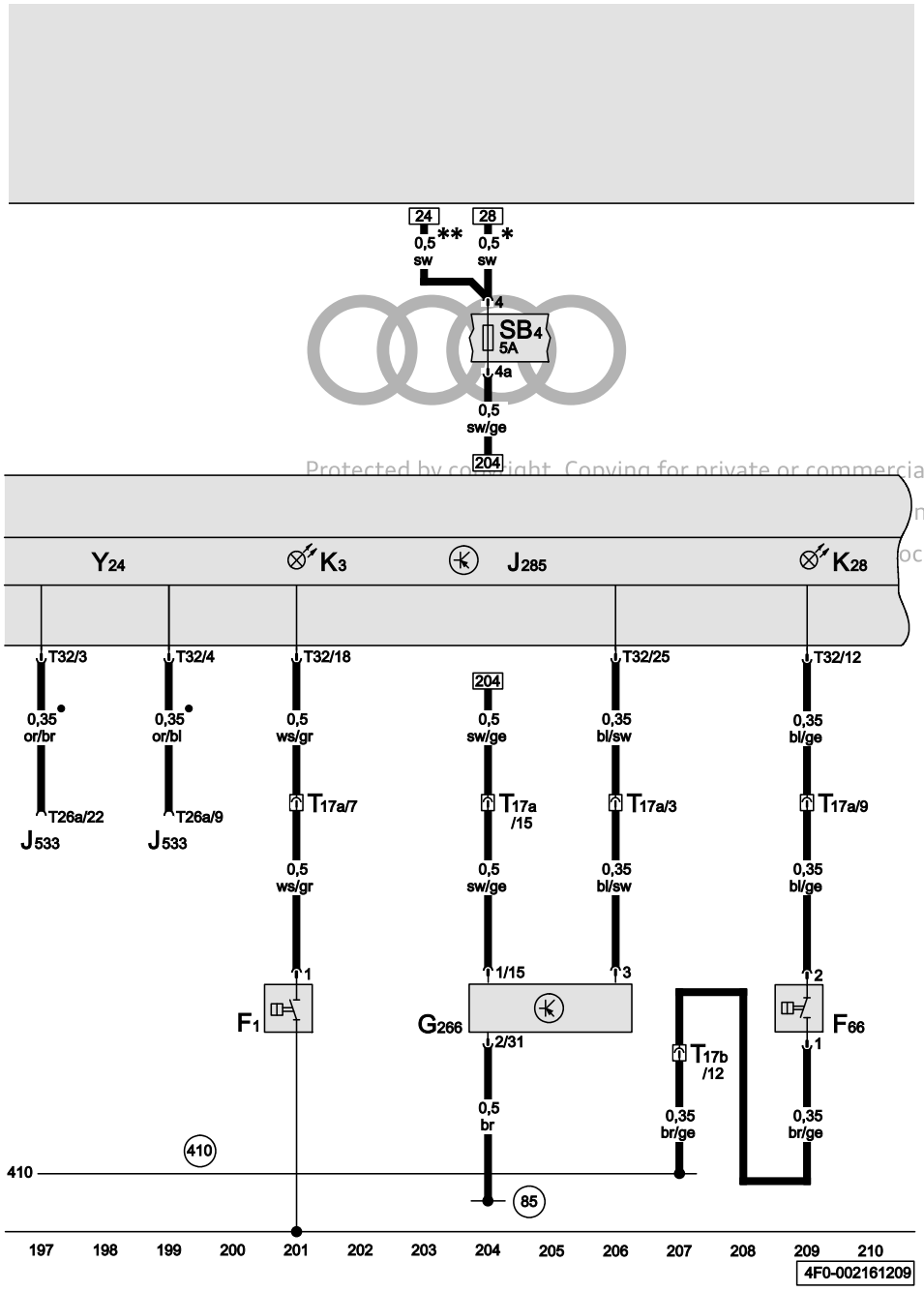
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth



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Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil pressure switch, coolant shortage indicator switch, oil level and oil temperature sender



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F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
85	Earth connection 1, in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005

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Audi A6 2.4 l Fuel injection engine (130 kW - 6 cylinder), engine code BDW

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

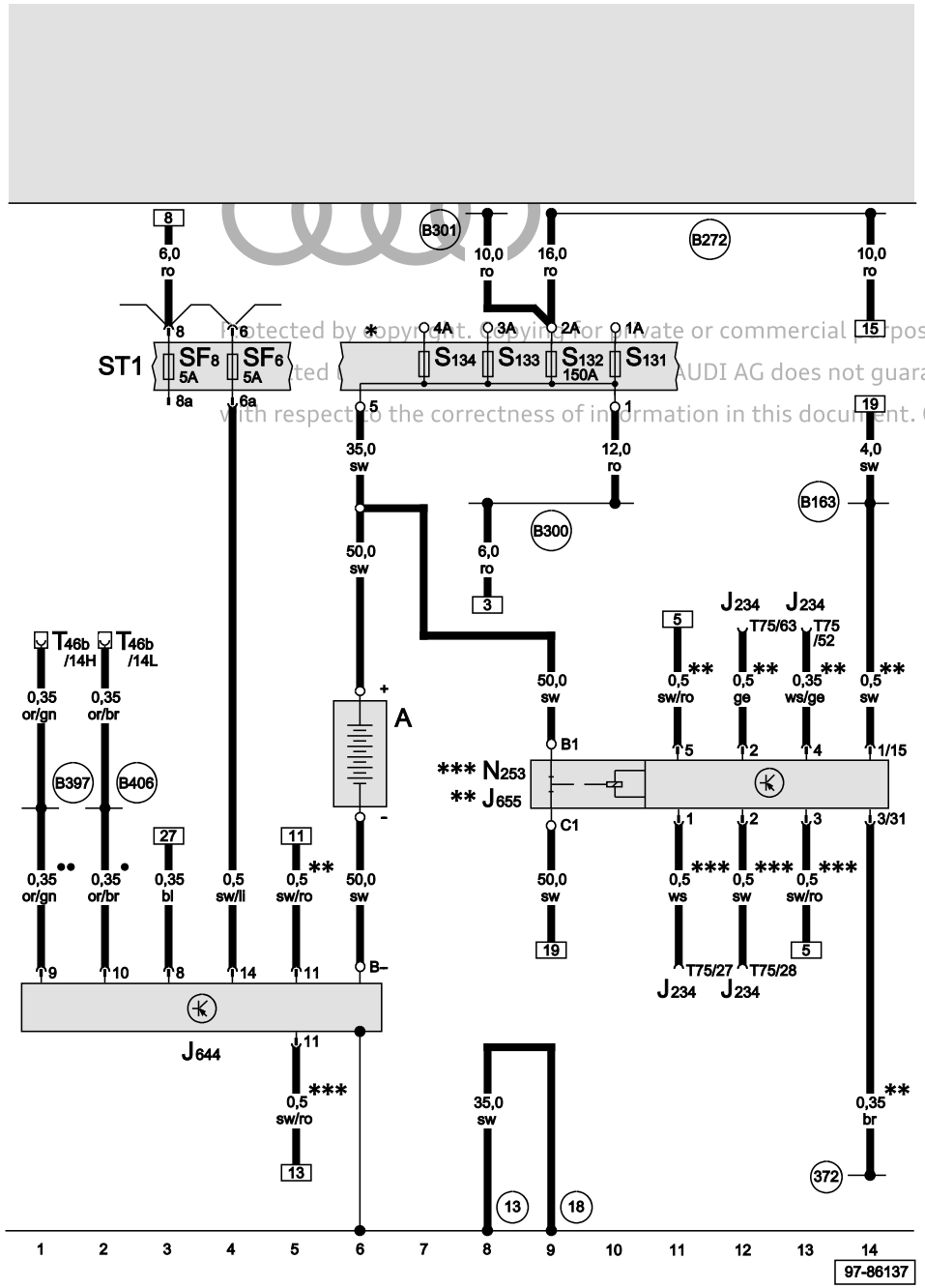
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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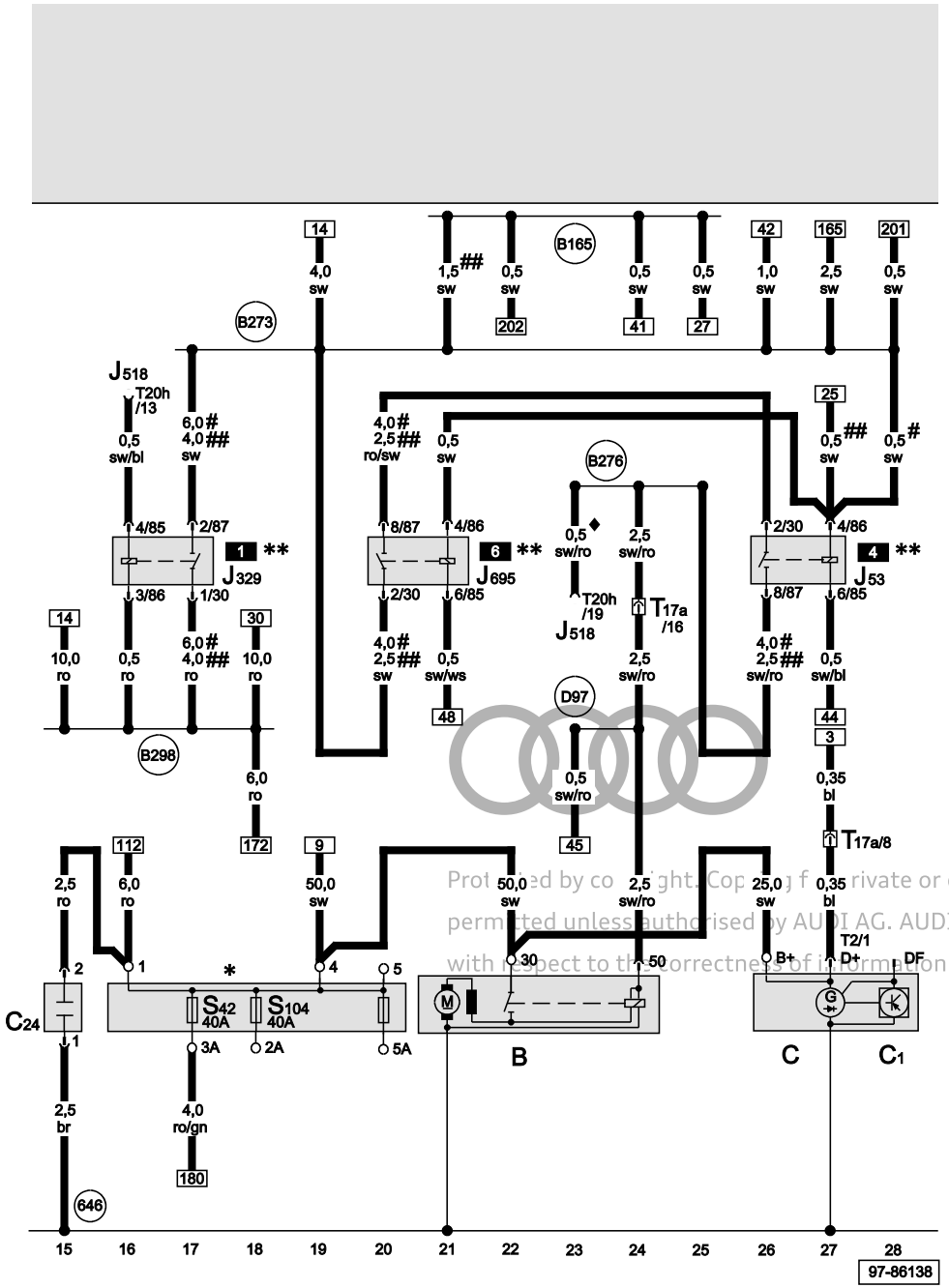
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Battery, energy management control unit, battery cut-off relay, fuse

A	Battery
J234	Airbag control unit
J644	Energy management control unit
J655	Battery cut-off relay
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF6	Fuse 6 on fuse holder
SF8	Fuse 8 on fuse holder
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
372	Earth connection 7, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
**	up to about week 26.04
***	from about week 27.04

Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter



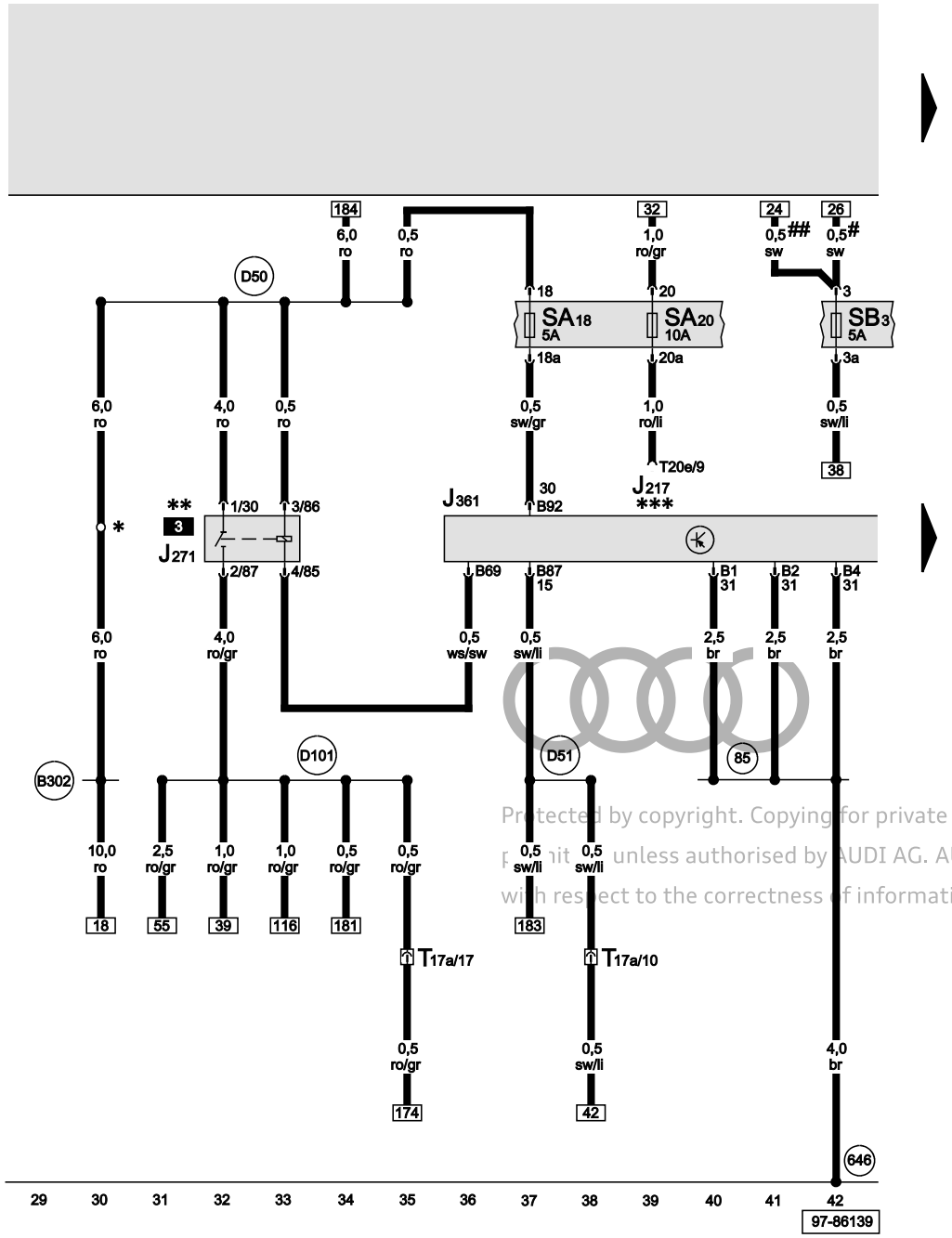
B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B276	Positive connection (50), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	9-point relay carrier, behind driver storage compartment
#	up to October 2005
##	from November 2005
♦	no longer fitted, phased from model year 2006

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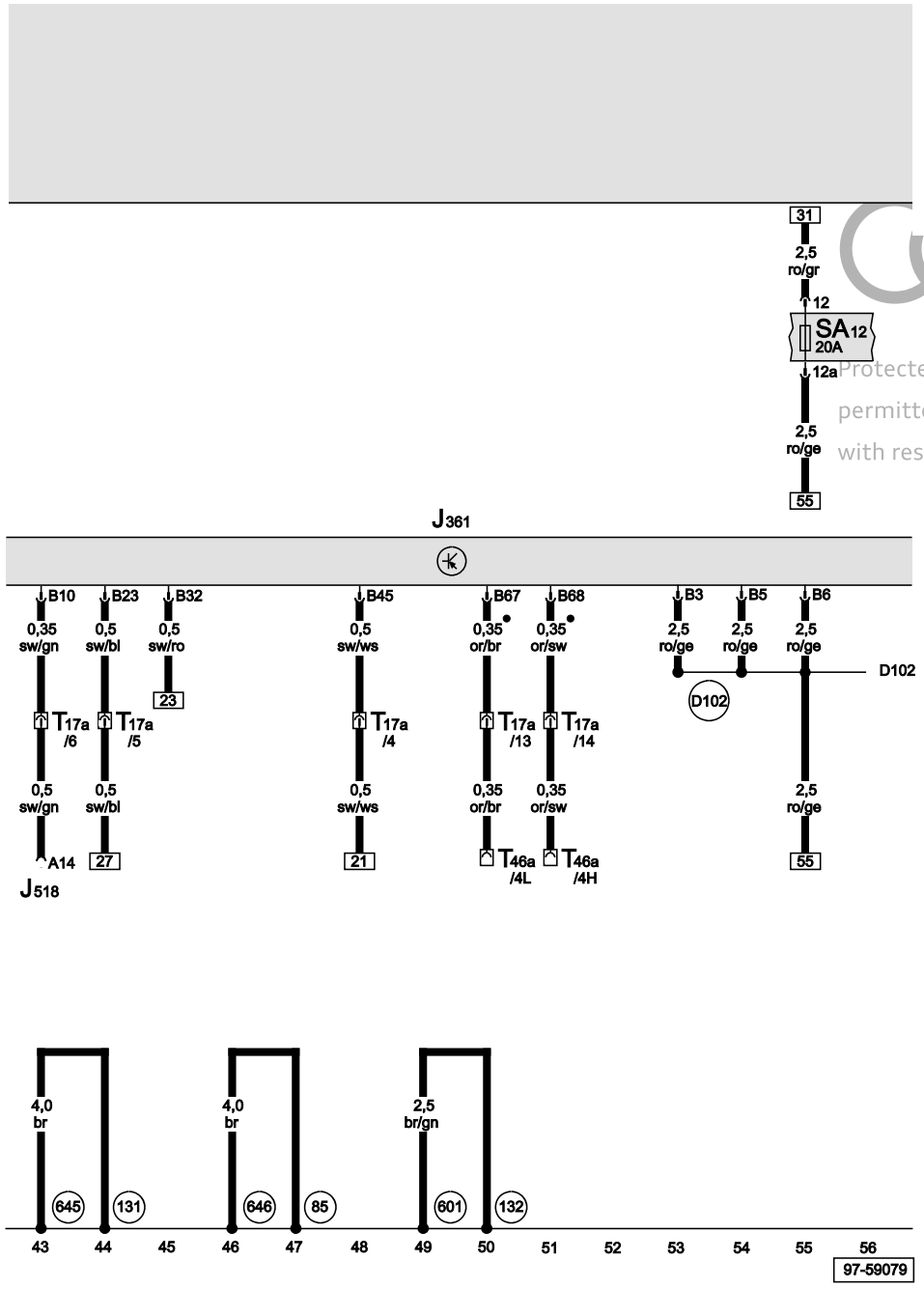
Simos control unit, Motronic current supply relay

J217	Automatic gearbox control unit
J271	Motronic current supply relay
J361	Simos control unit
SA18	Fuse 8 on fuse holder engine compartment
SA20	Fuse 10 on fuse holder engine compartment
SB3	Fuse 3 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber
***	models with automatic gearbox 01J
#	up to October 2005
##	from November 2005



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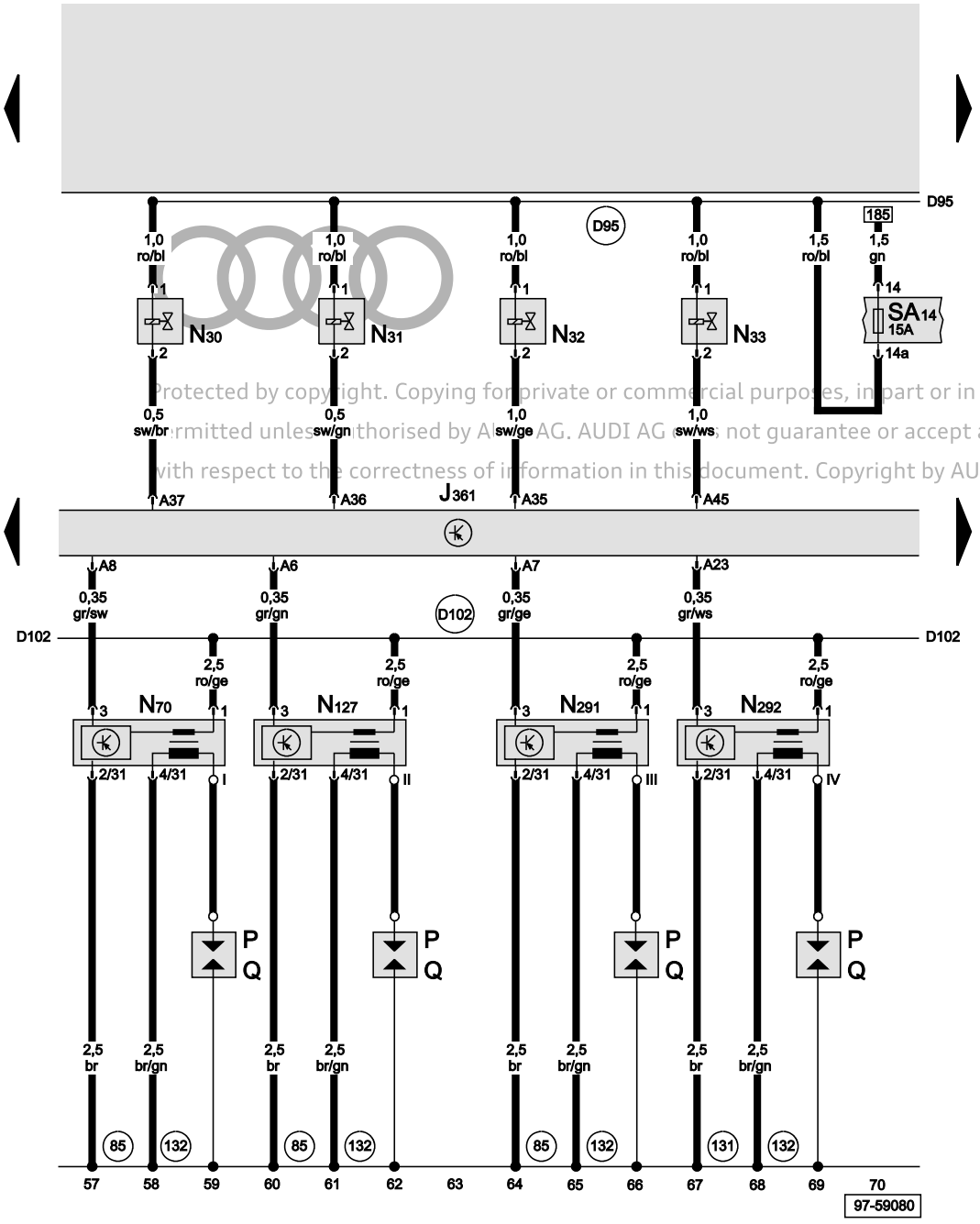
Simos control unit, CAN separating connector, earth connections

J361	Simos control unit
J518	Entry and start authorisation control unit
SA12	Fuse 2 on fuse holder engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN separating connector left
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)

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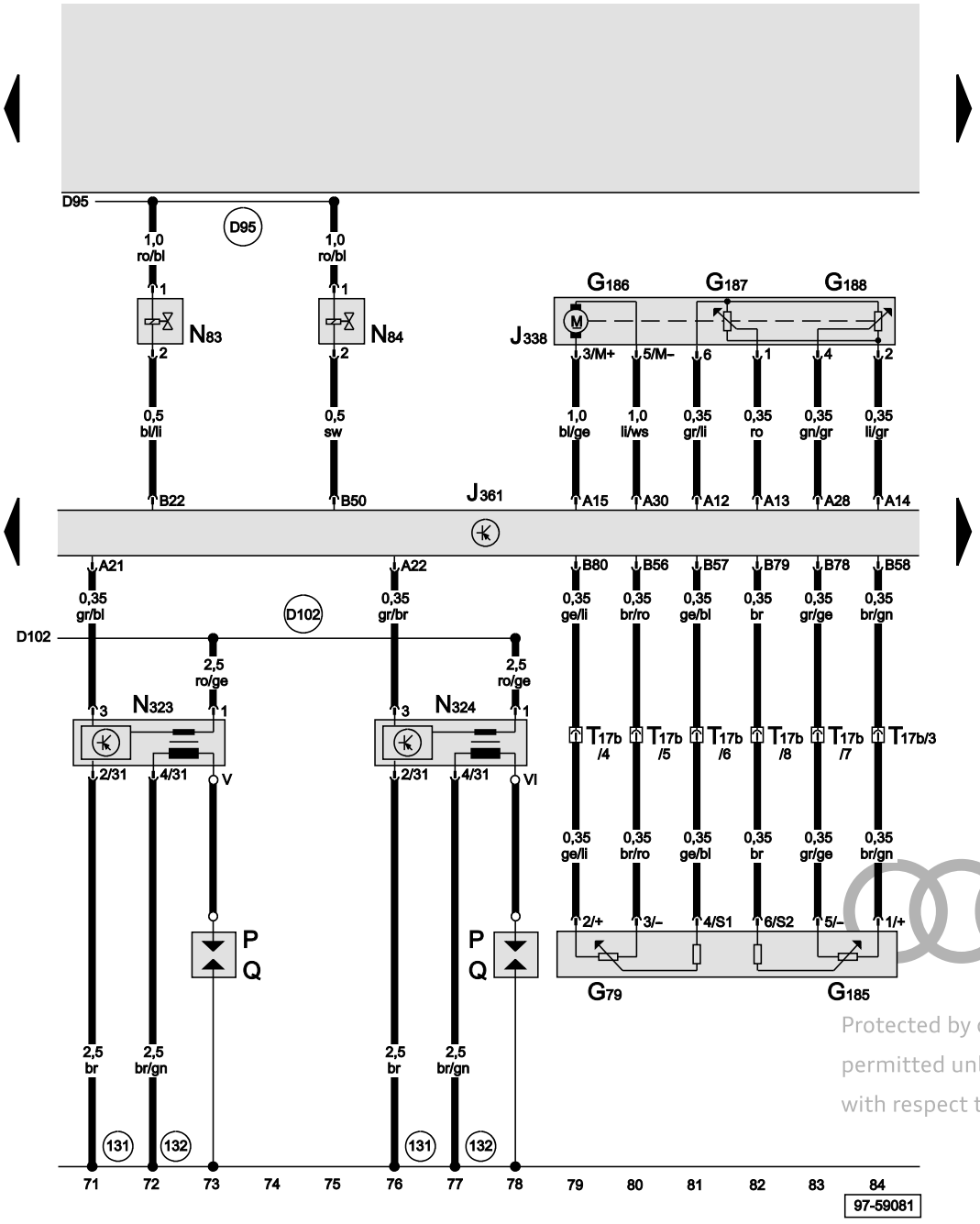
Simos control unit, injector, cylinder 1 - 4, ignition coil 1 - 4 with output stage



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J361	Simos control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA14	Fuse 4 on fuse holder engine compartment
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness

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Simos control unit, injector, cylinder 5 and 6, ignition coil 5 and 6 with output stage, accelerator position sender, throttle valve module

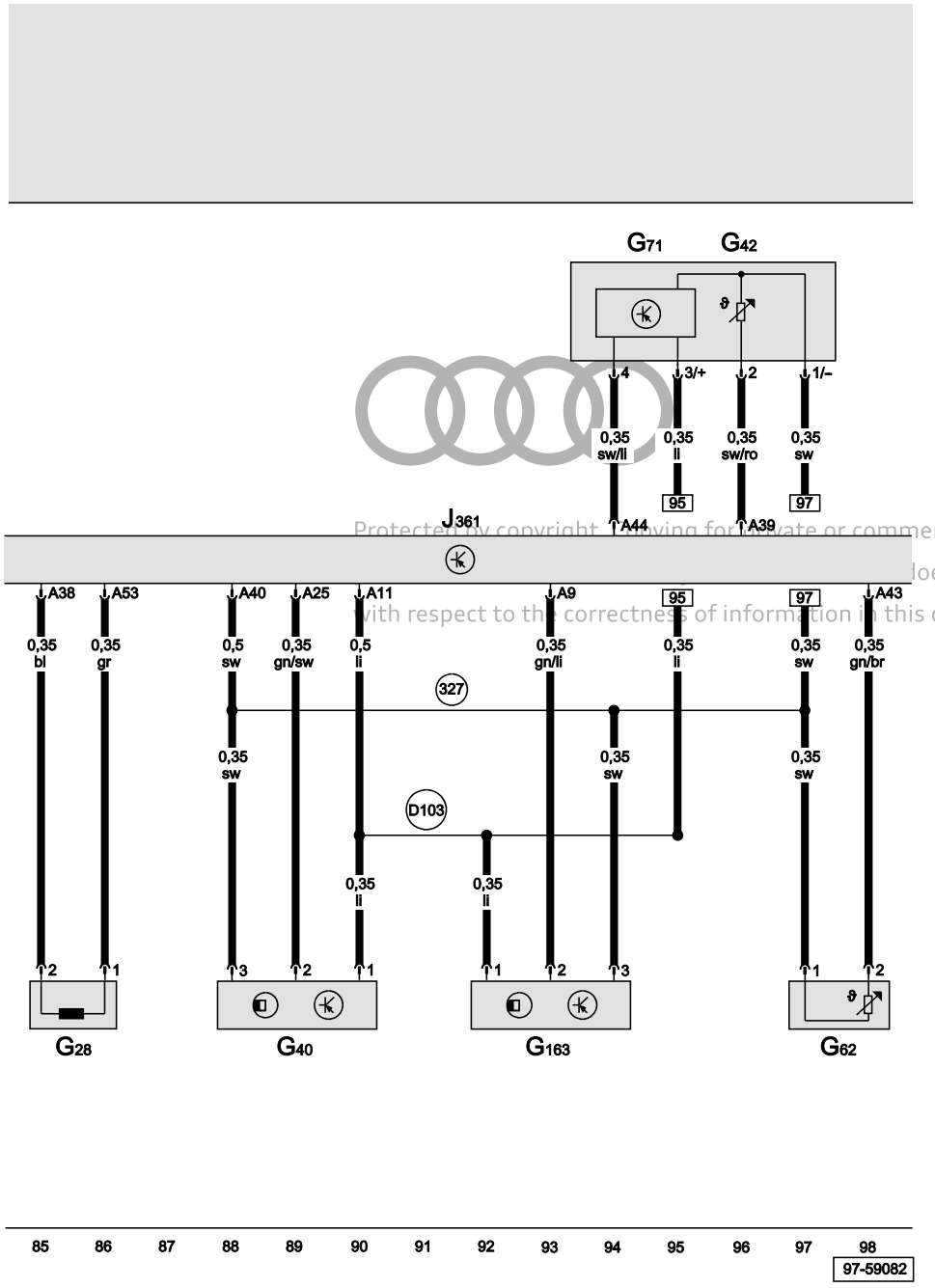
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive, electric throttle
G187	Throttle valve drives angle sender 1, electric throttle
G188	Throttle valve drives angle sender 2, electric throttle
J338	Throttle valve module
J361	Simos control unit
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness

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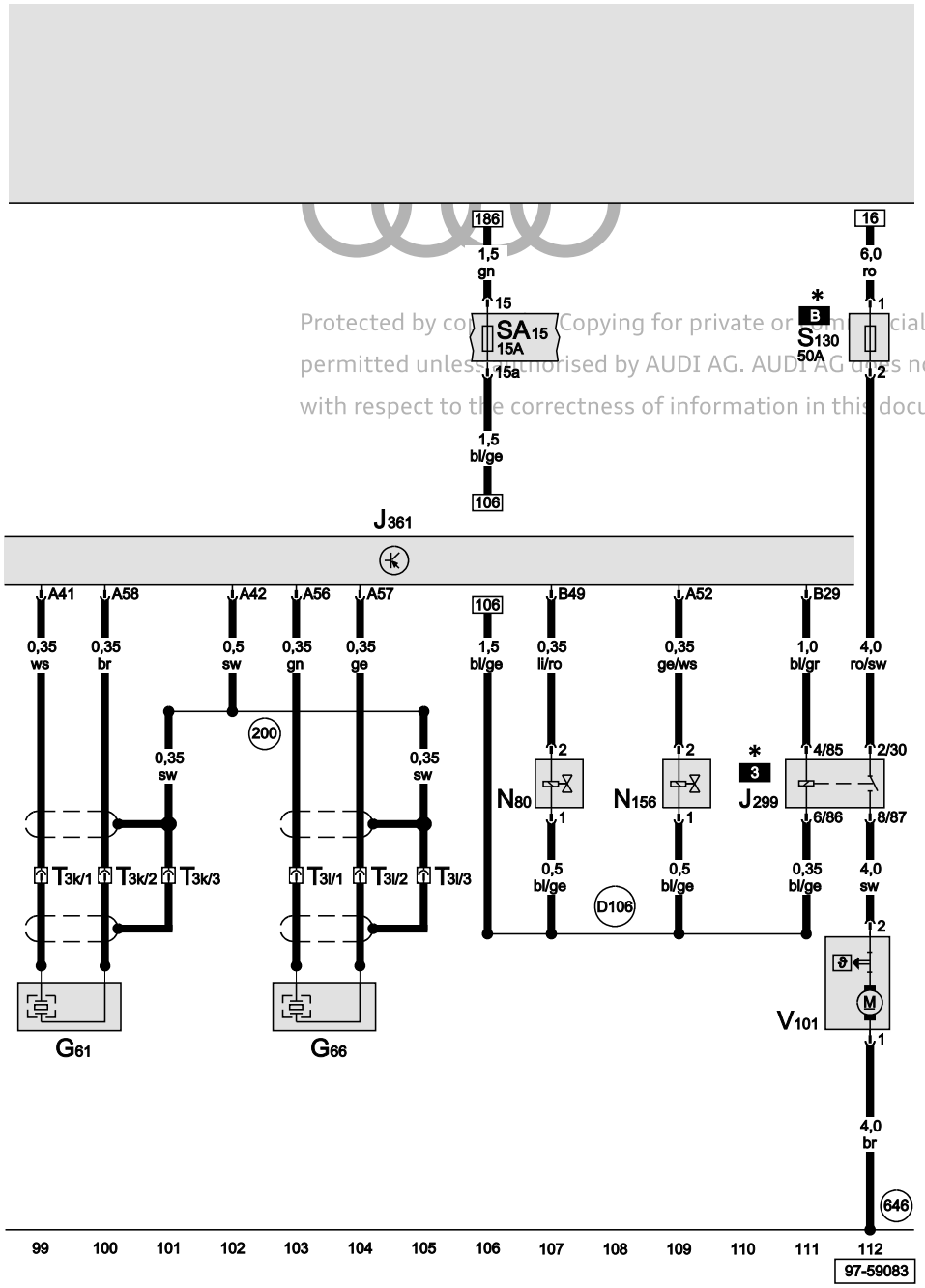
Simos control unit, engine speed sender, Hall sender, coolant temperature sender, intake manifold pressure sender, intake air temperature sender

G28	Engine speed sender
G40	Hall sender
G42	Intake air temperature sender
G62	Coolant temperature sender
G71	Intake manifold pressure sender
G163	Hall sender 2
J361	Simos control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness



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Simos control unit, knock sensors, active charcoal filter system solenoid valve 1, variable intake manifold change-over valve, secondary air pump relay, secondary air pump motor

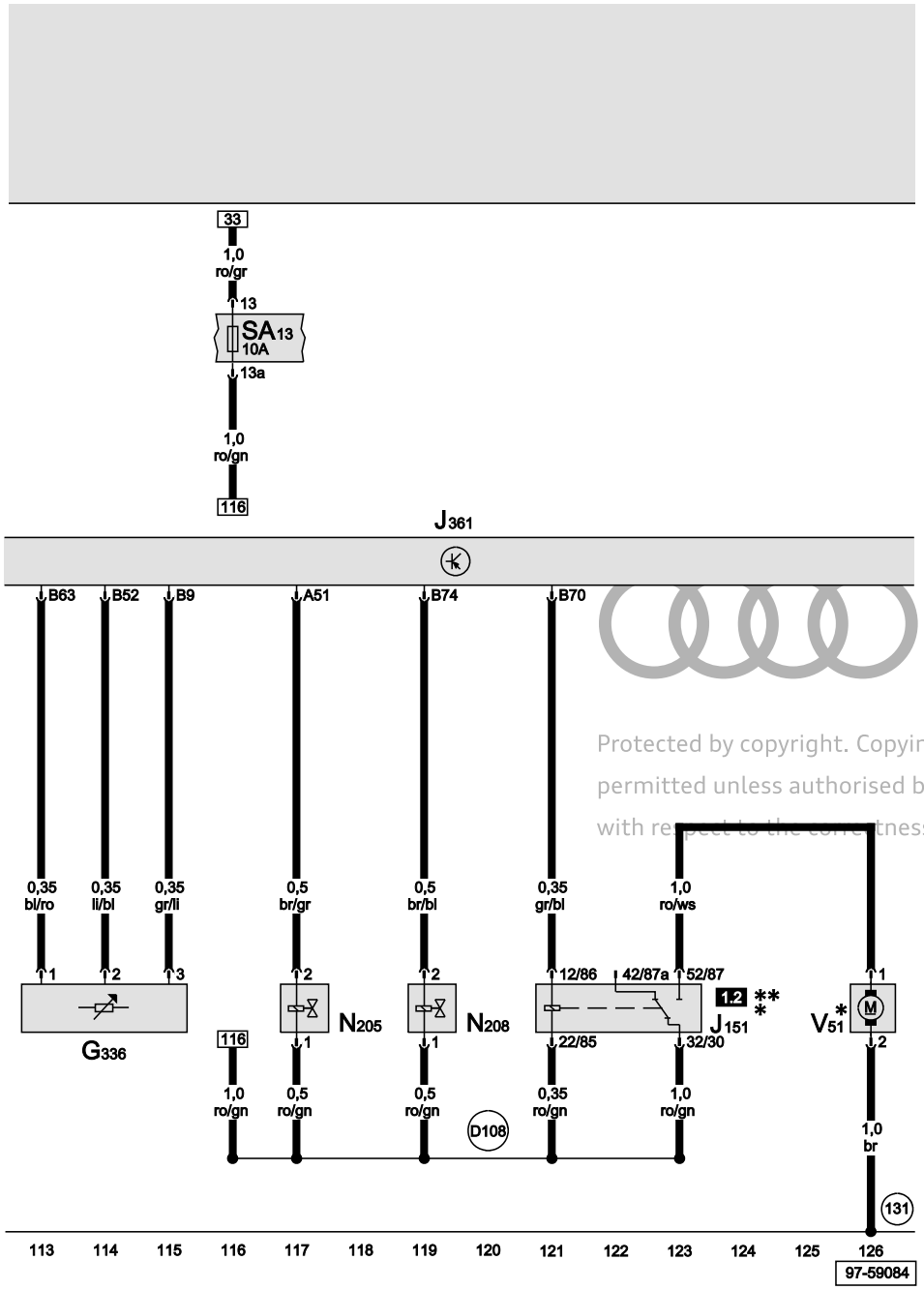
G61	Knock sensor 1
G66	Knock sensor 2
J299	Secondary air pump relay
J361	Simos control unit
N80	Activated charcoal filter system solenoid valve 1
N156	Variable intake manifold change-over valve
S130	Secondary air pump fuse
SA15	Fuse 5 on fuse holder engine compartment
T3k	3-pin connector, green, on knock sensor 1
T3l	3-pin connector, grey, on knock sensor 2
V101	Secondary air pump motor
200	Earth connection (screening) in engine compartment wiring harness
646	Earth point 2, on bulkhead
D106	Connection 4, in engine compartment wiring harness
*	Relay carrier electronics box on right in plenum chamber

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Simos control unit, continued coolant circulation relay, inlet camshaft control valve, continued coolant circulation pump, intake manifold flap potentiometer

G336	Intake manifold flap potentiometer
J151	Continued coolant circulation relay
J361	Simos control unit
N205	Inlet camshaft control valve 1
N208	Inlet camshaft control valve 2
SA13	Fuse 3 on fuse holder engine compartment
V51	Continued coolant circulation pump
131	Earth connection 2, in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
*	only countries with hot climate
**	Relay carrier electronics box left in plenum chamber

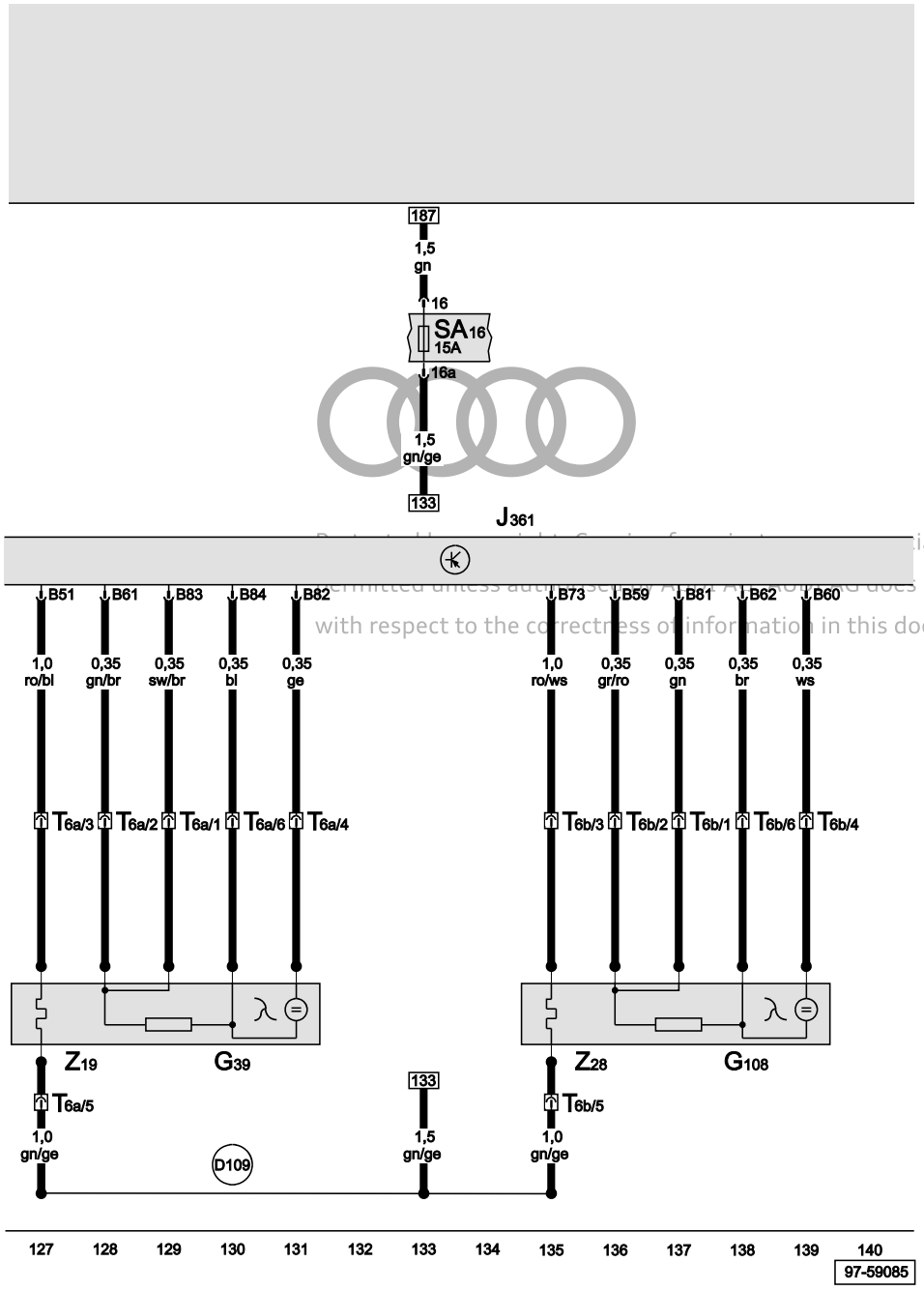


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Simos control unit, lambda probe, lambda probe 2

G39	Lambda probe
G108	Lambda probe 2
J361	Simos control unit
SA16	Fuse 6 on fuse holder engine compartment
T6a	6-pin connector, black, for lambda probe
T6b	6-pin connector, black, for lambda probe 2
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D109	Connection 7, in engine compartment wiring harness

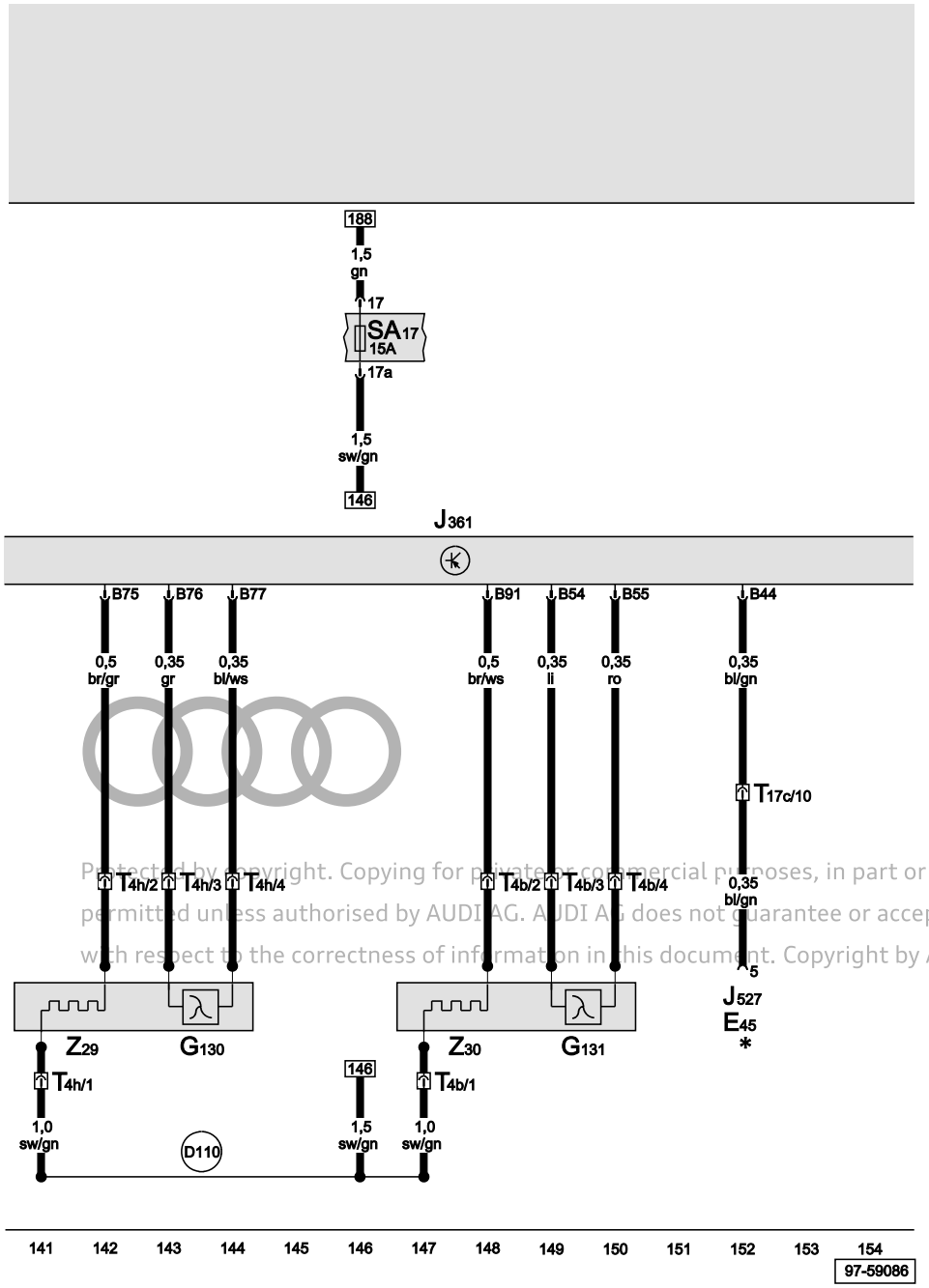


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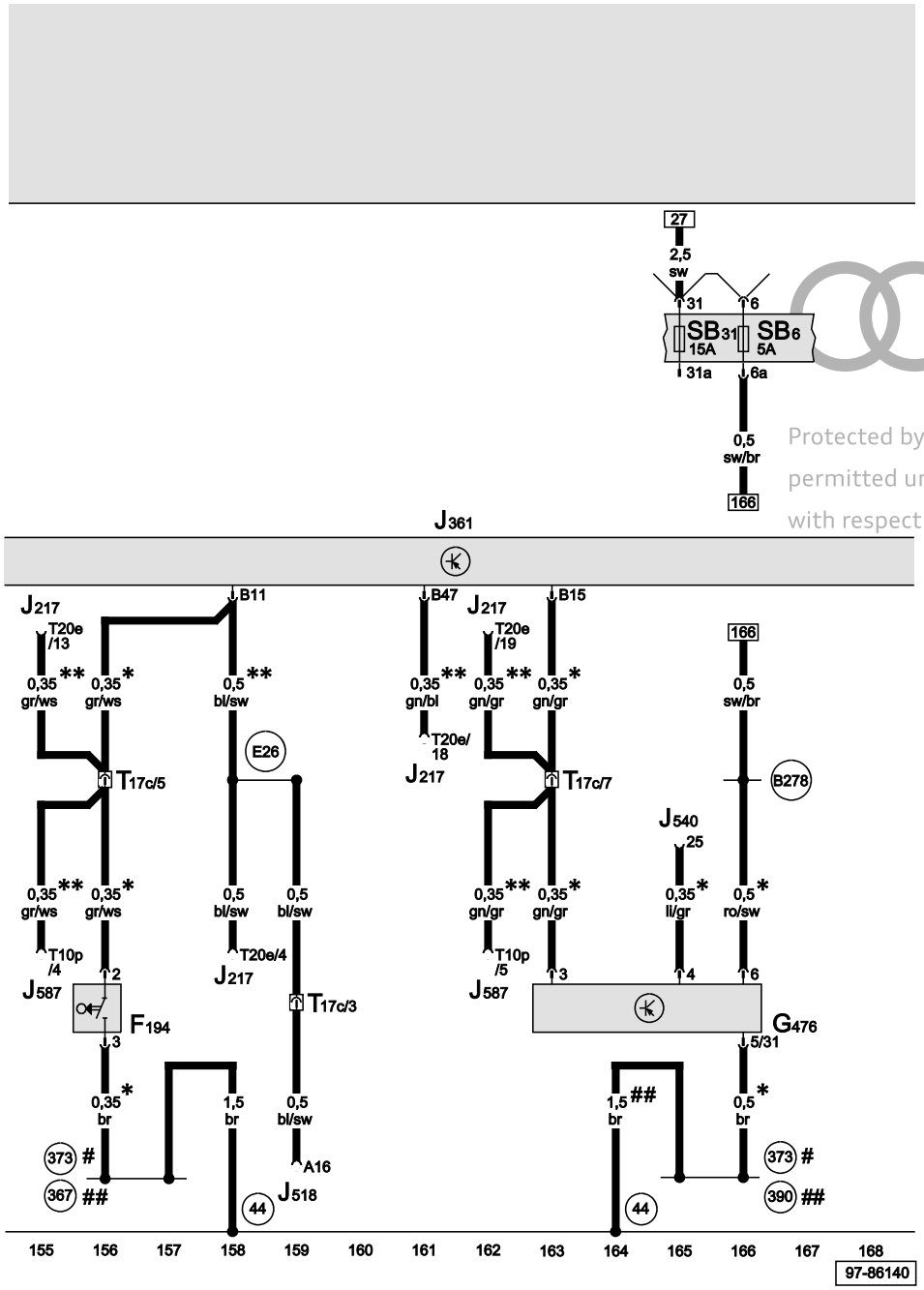
Simos control unit, lambda probe after catalytic converter

E45	Cruise control system switch
G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J361	Simos control unit
J527	Steering column electronics control unit
SA17	Fuse 7 on fuse holder engine compartment
T4b	4-pin connector, brown, for lambda probe 2 after catalytic converter
T4h	4-pin connector, black, for lambda probe after catalytic converter
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D110	Connection 8, in engine compartment wiring harness
*	models with cruise control system



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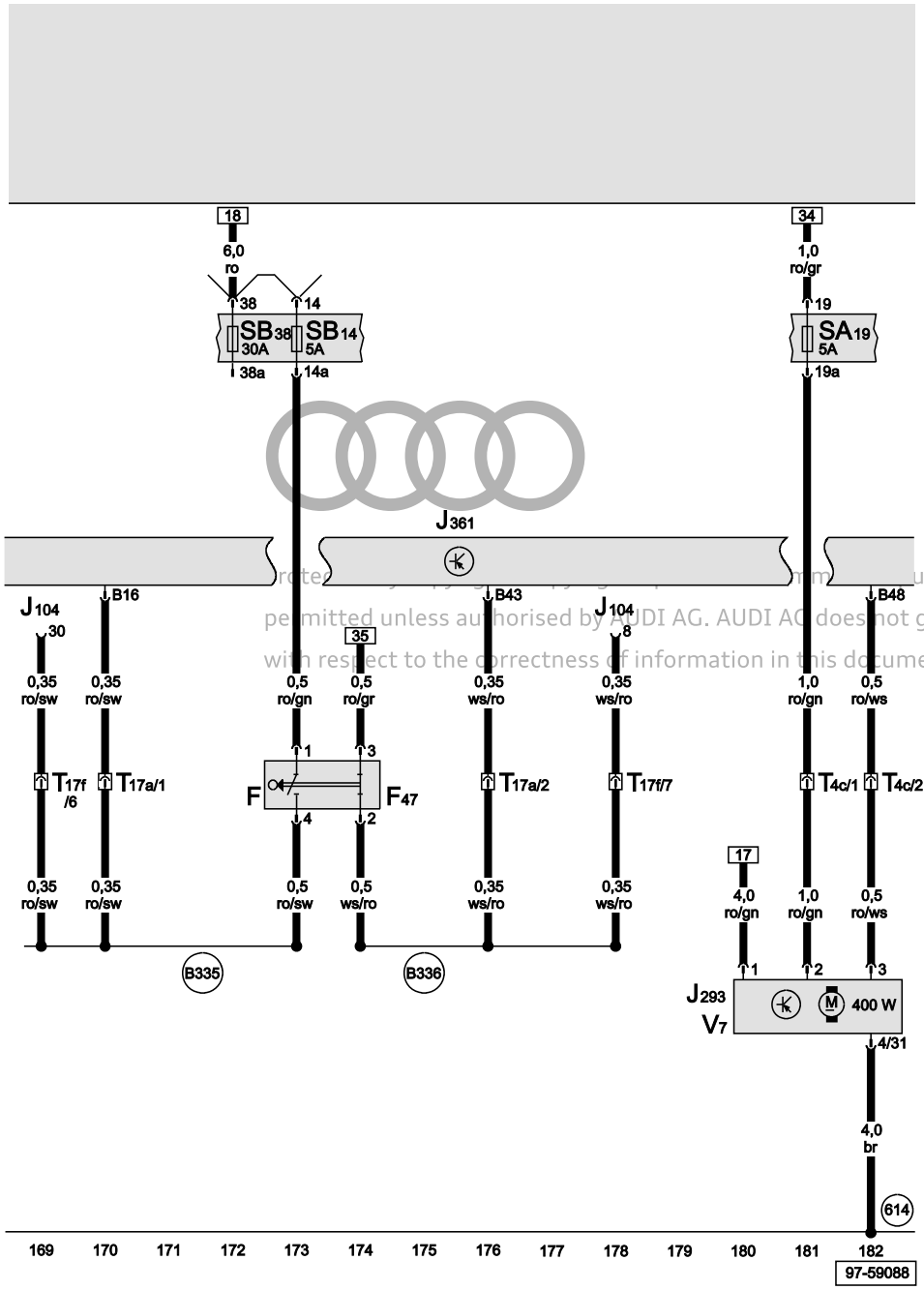


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gr = grey
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Simos control unit, clutch pedal switch for engine start, clutch position sender

F194	Clutch pedal switch for engine start
G476	Clutch position sender
J217	Automatic gearbox control unit
J361	Simos control unit
J518	Entry and start authorisation control unit
J540	Electric park and handbrake control unit
J587	Selector lever sensors control unit
SB6	Fuse 6 on fuse holder
SB31	Fuse 31 on fuse holder
T10p	10-pin connector, black, on selector lever sensors control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J
#	up to October 2005
##	from November 2005

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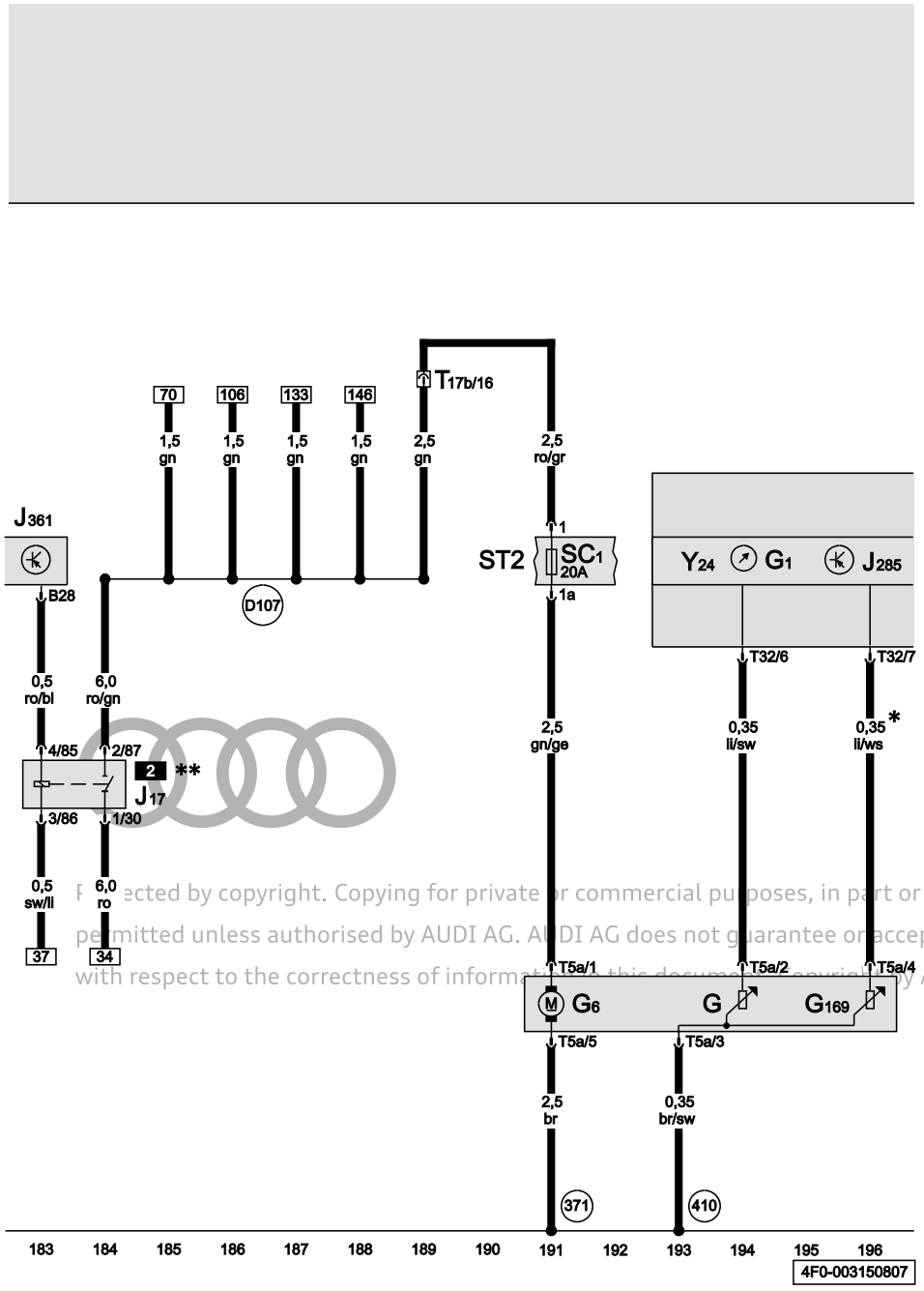
Simos control unit, brake light switch, brake pedal switch, radiator fan

F	Brake light switch
F47	Brake pedal switch
J104	ABS control unit
J293	Radiator fan control unit
J361	Simos control unit
SA19	Fuse 9 on fuse holder engine compartment
SB14	Fuse 14 on fuse holder
SB38	Fuse 38 on fuse holder
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
V7	Radiator fan
614	Earth point 2, on right in engine compartment
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness

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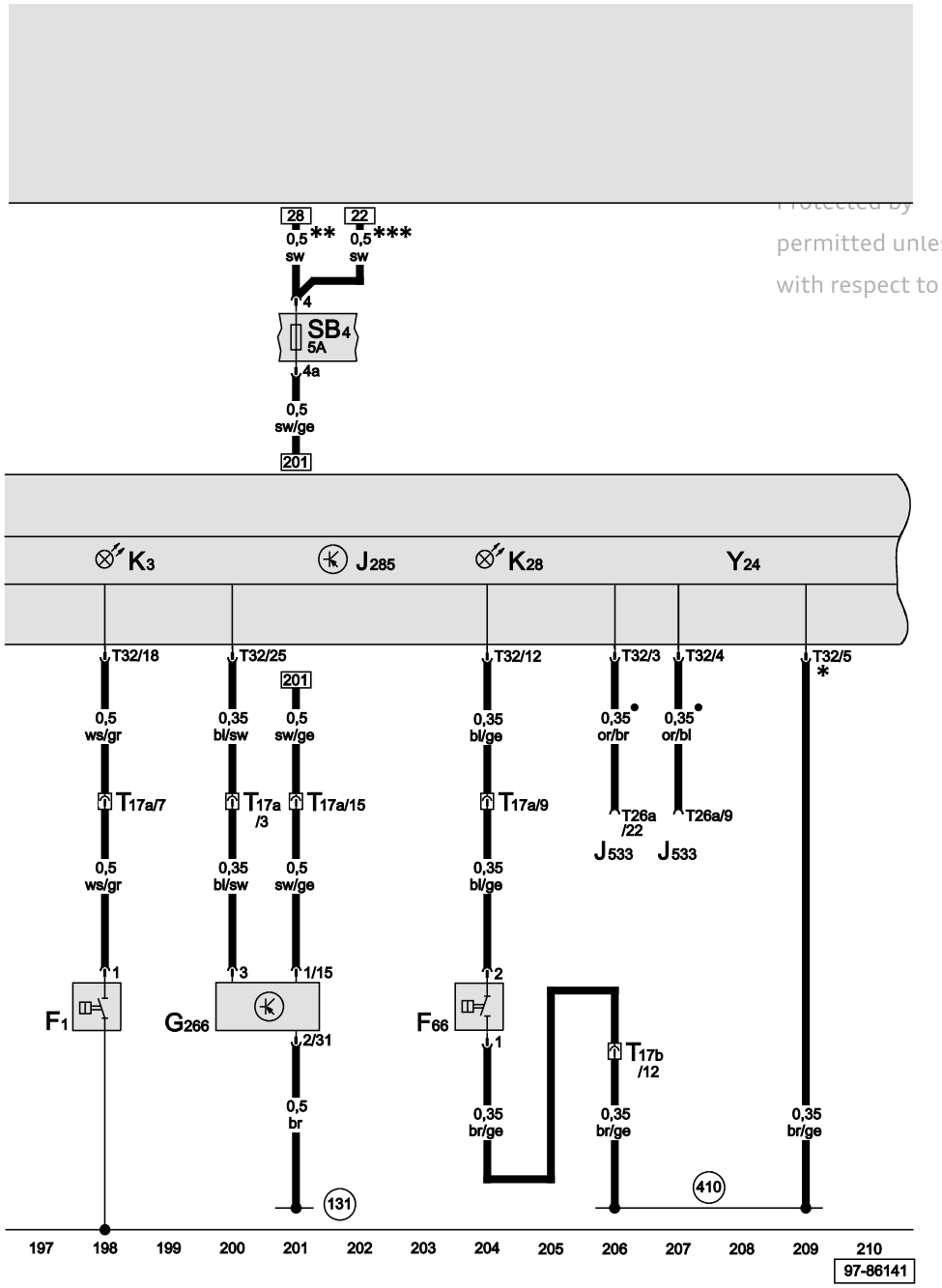
Control unit in dash panel insert, fuel pump relay, fuel system pressurisation pump, fuel gauge sender, fuel gauge

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
J361	Simos control unit
SC1	Fuse 1 on fuse holder
T5a	5-pin connector, black, on fuel tank
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
D107	Connection 5, in engine compartment wiring harness
*	only four-wheel drive
**	Relay carrier electronics box left in plenum chamber



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Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil pressure switch, oil level and oil temperature sender

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
131	Earth connection 2, in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	output sender earth
**	up to October 2005
***	from November 2005

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Audi A6 3.0 l - Fuel injection engine (160 kW - Motronic - 6 cylinder), engine code BBJ

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

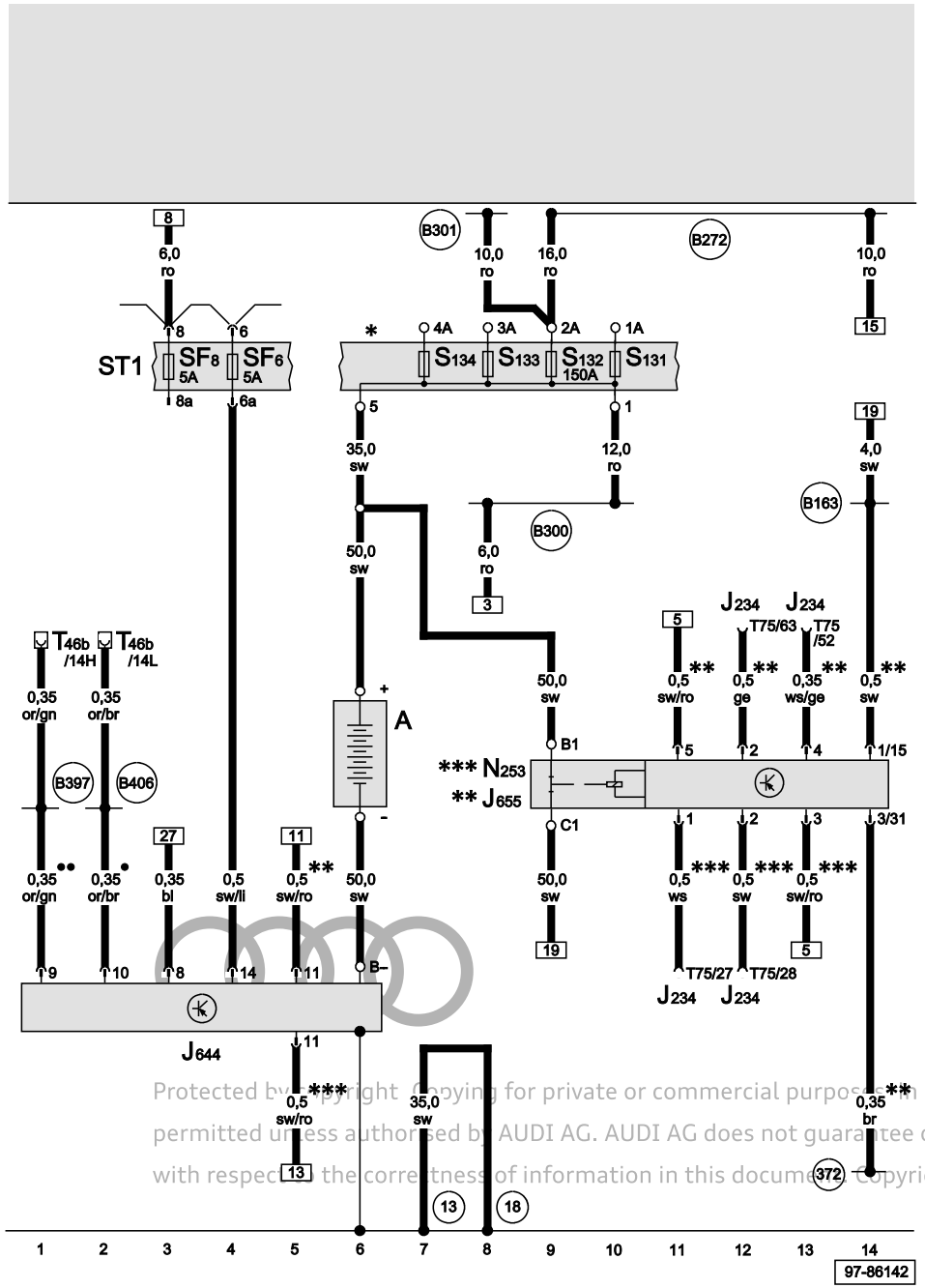
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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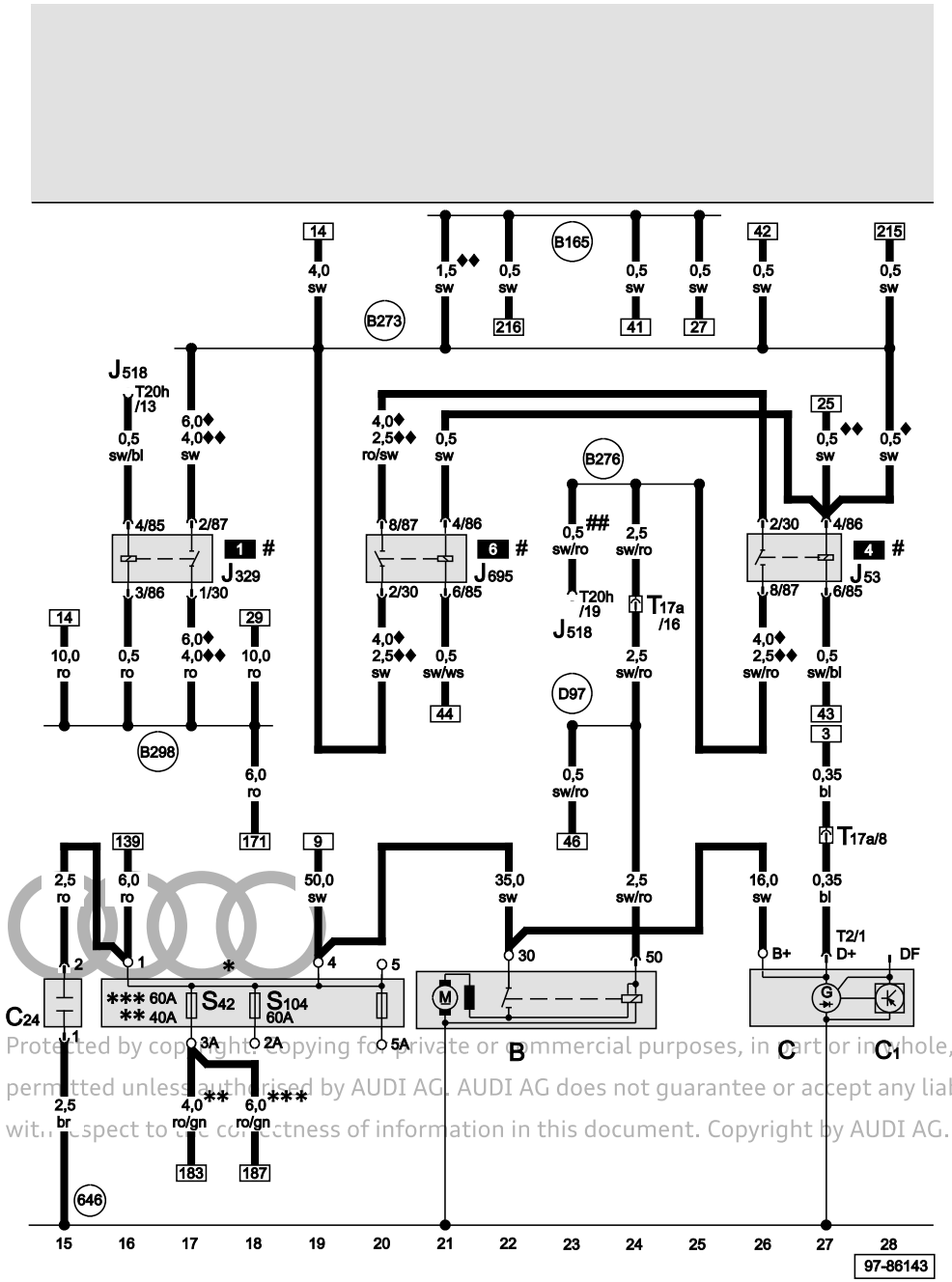
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Battery, energy management control unit, battery cut-off relay, fuse

A	Battery
J234	Airbag control unit
J644	Energy management control unit
J655	Battery cut-off relay
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF6	Fuse 6 on fuse holder
SF8	Fuse 8 on fuse holder
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
372	Earth connection 7, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
**	up to about week 26.04
***	from about week 27.04

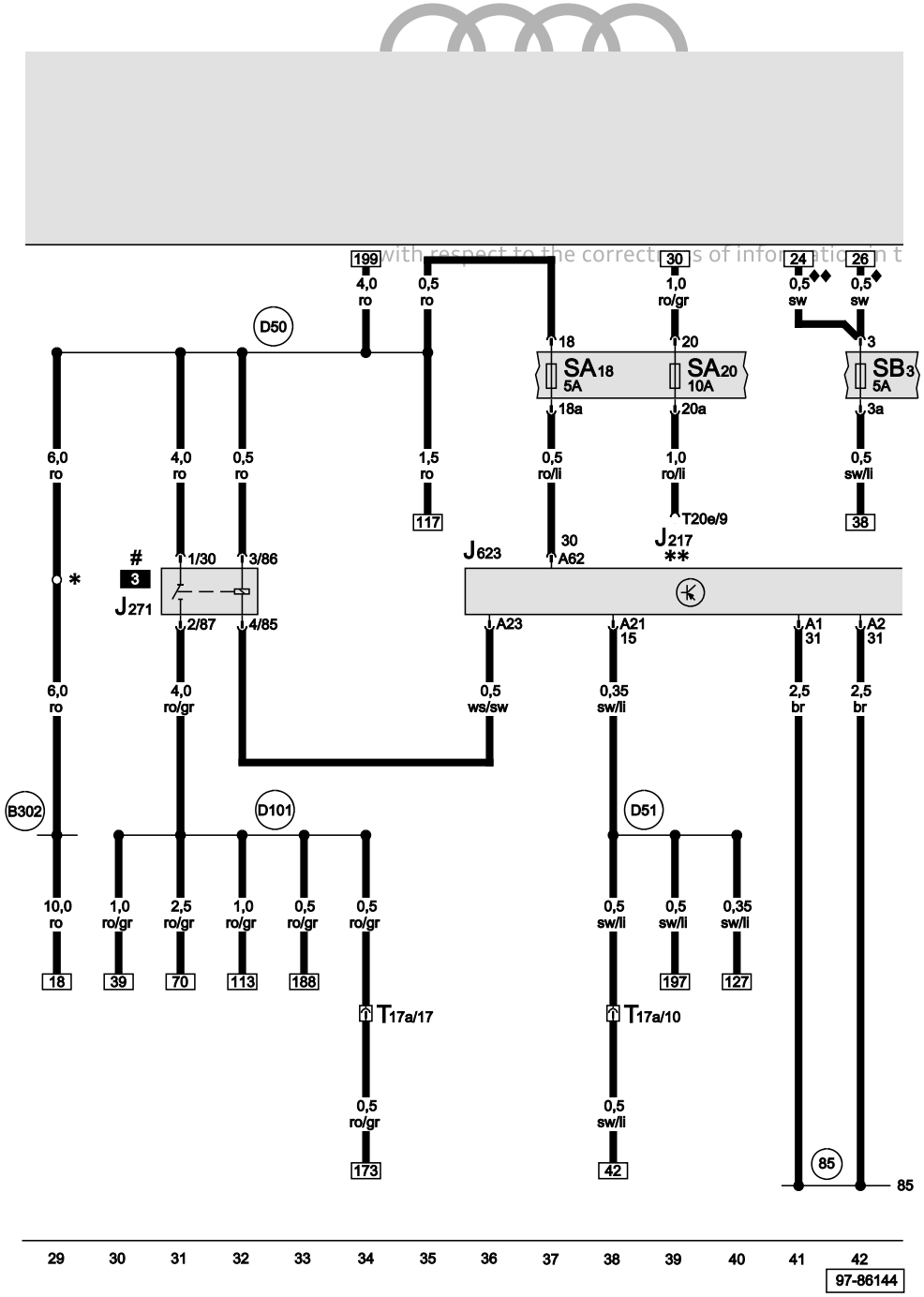
Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter



B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B276	Positive connection (50), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	models without trailer towing attachment
***	models with trailer towing attachment
#	9-point relay carrier, behind driver storage compartment
##	no longer fitted, phased from model year 2006
◆	up to October 2005
◆◆	from November 2005

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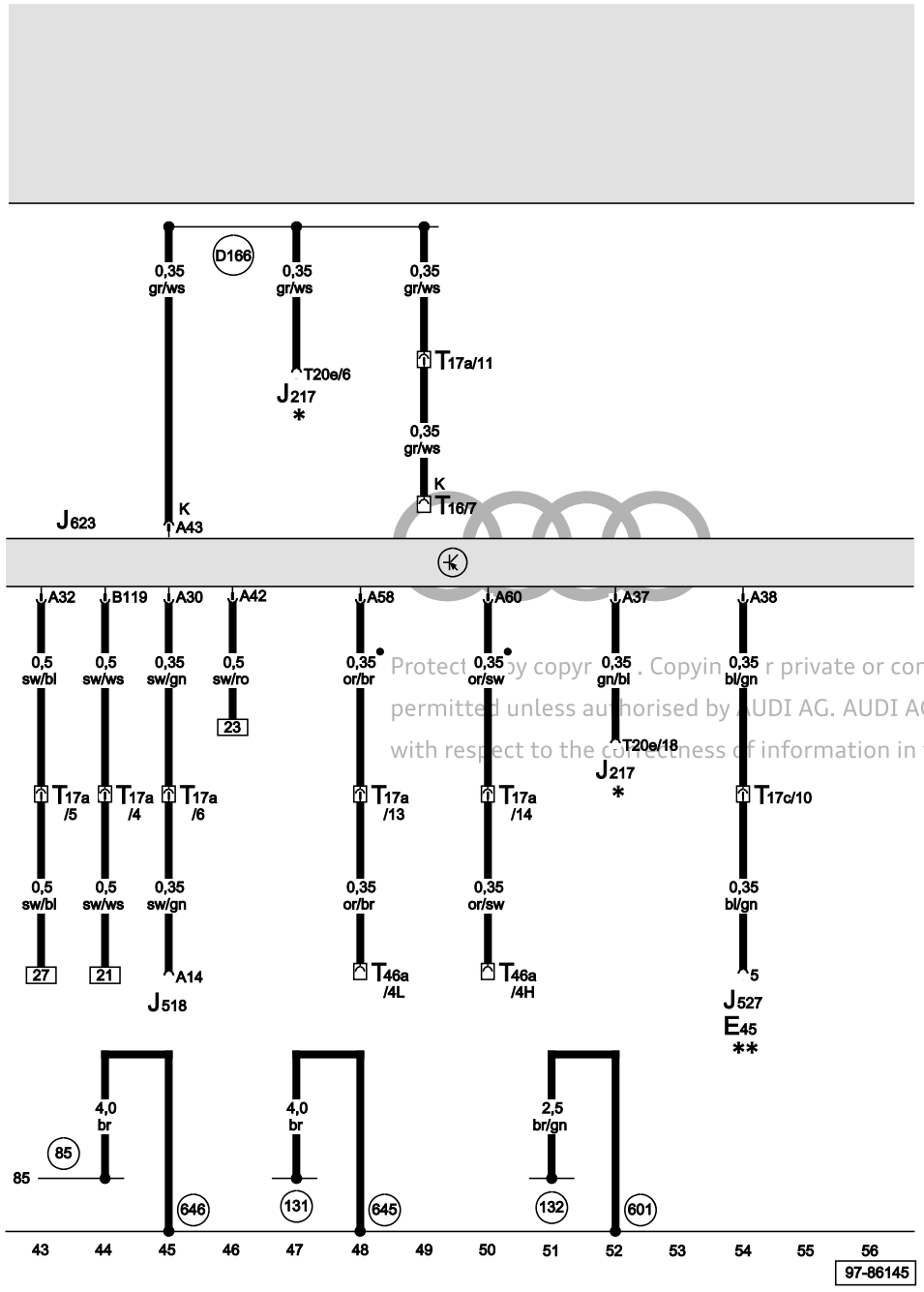


Engine control unit, Motronic current supply relay

J217	Automatic gearbox control unit
J271	Motronic current supply relay
J623	Engine control unit
SA18	Fuse 8 on fuse holder engine compartment
SA20	Fuse 10 on fuse holder engine compartment
SB3	Fuse 3 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
85	Earth connection 1, in engine compartment wiring harness
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	models with automatic gearbox 01J
#	Relay carrier electronics box left in plenum chamber
◆	up to October 2005
◆◆	from November 2005

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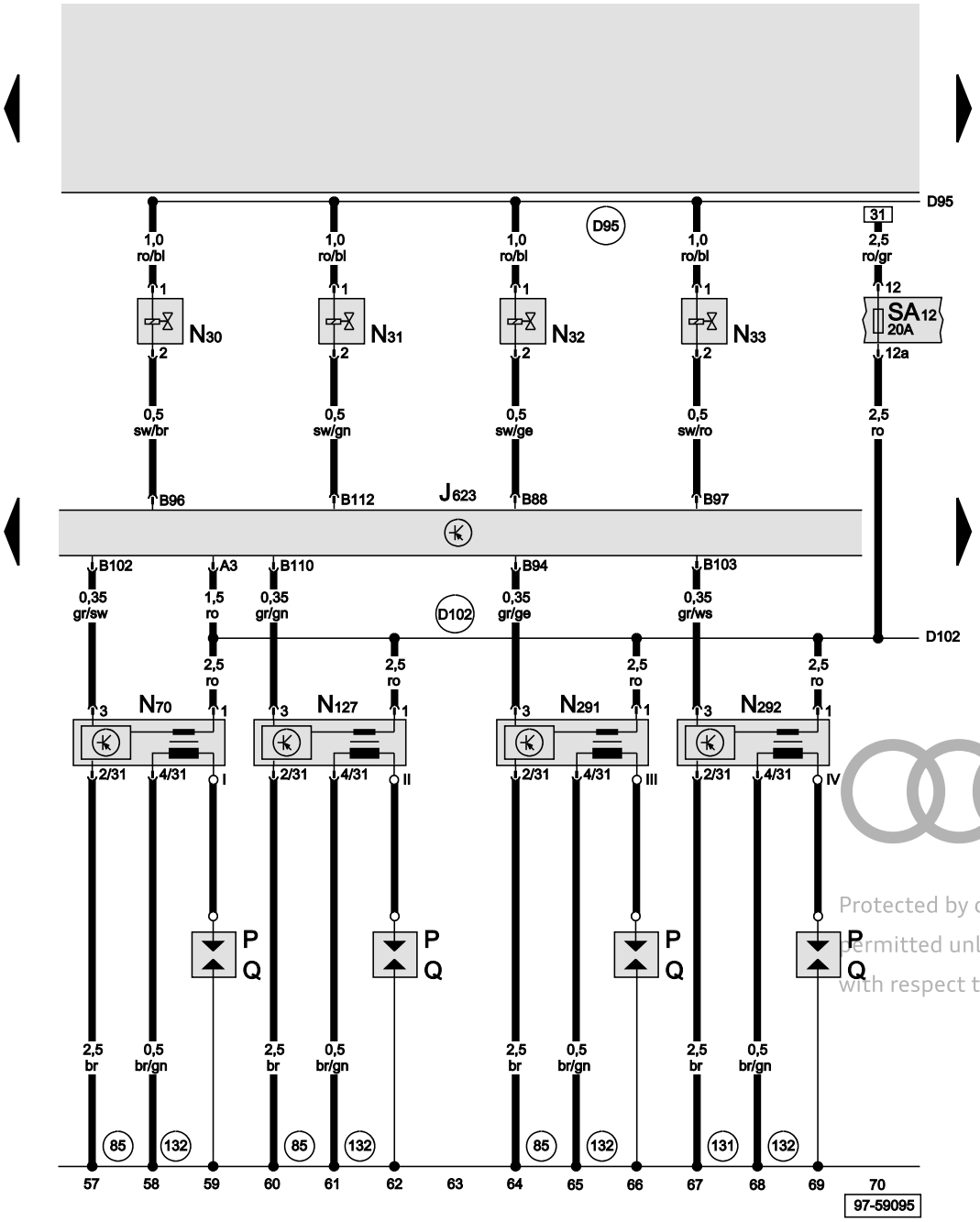


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Engine control unit, CAN separating connector, earth connections

E45	Cruise control system switch
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16	16-pin connector, diagnostic connector
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T46a	46-pin connector, CAN separating connector left
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
•	CAN bus (data wire)
*	models with automatic gearbox 01J
**	models with cruise control system

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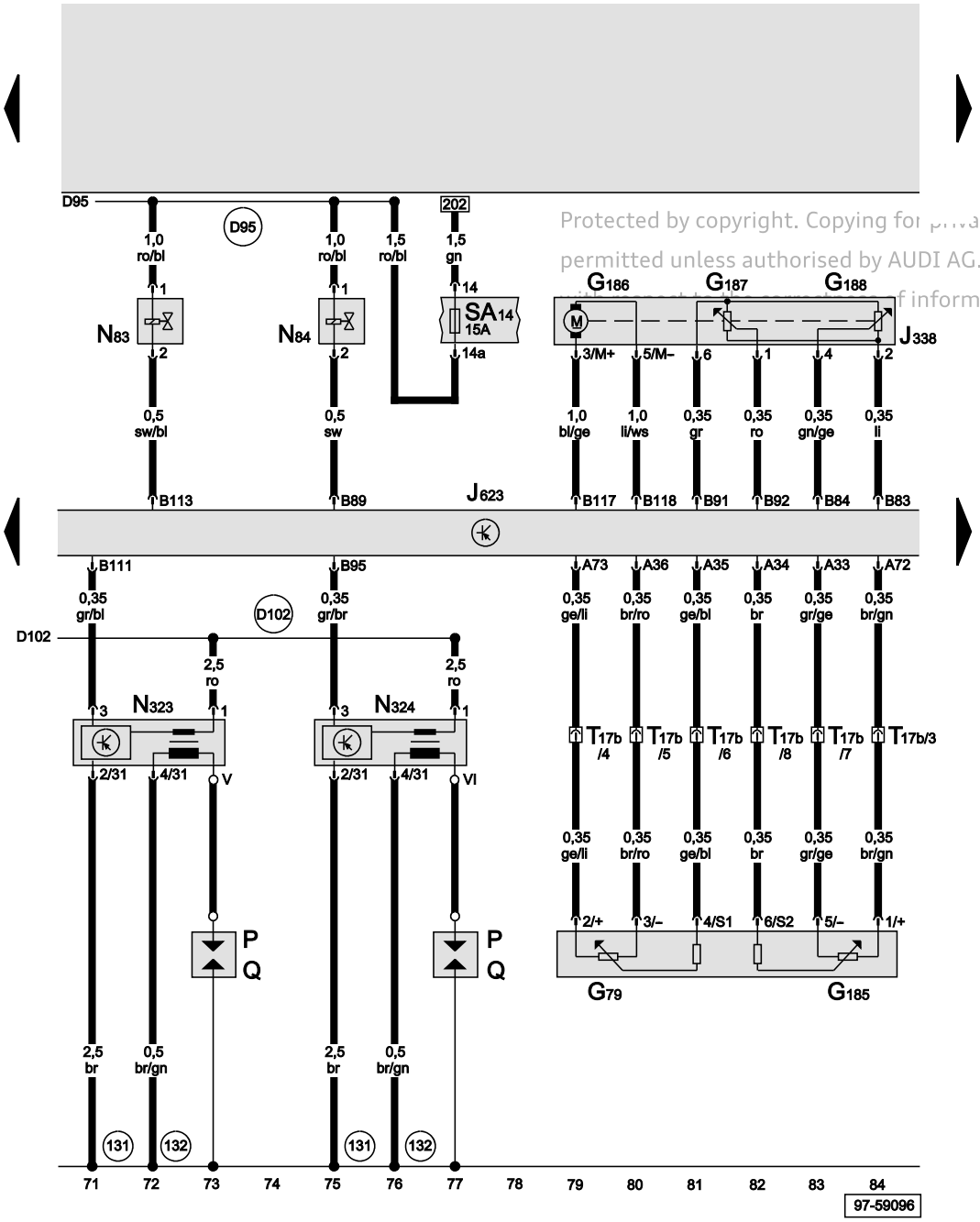


Engine control unit, injector, cylinder 1 - 4, ignition coil 1 - 4 with output stage

J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA12	Fuse 2 on fuse holder engine compartment
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness

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Engine control unit, injector, cylinder 5 and 6, ignition coil 5 and 6 with output stage, accelerator position sender, throttle valve module

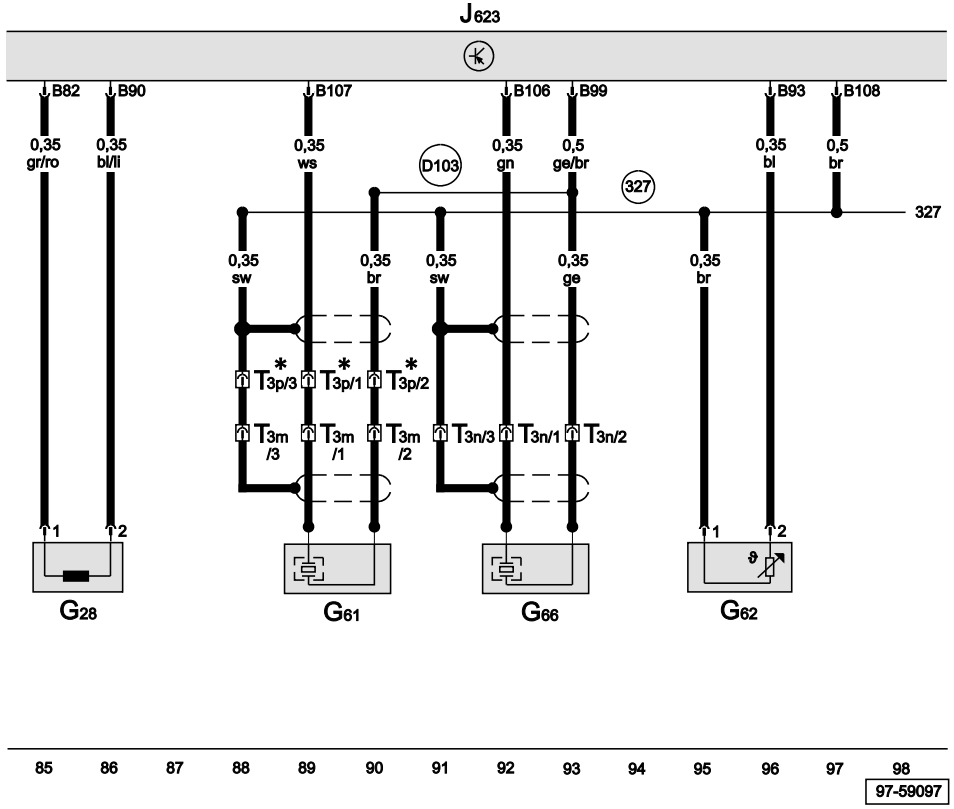
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive, electric throttle
G187	Throttle valve drives angle sender 1, electric throttle
G188	Throttle valve drives angle sender 2, electric throttle
J338	Throttle valve module
J623	Engine control unit
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
SA14	Fuse 4 on fuse holder engine compartment
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness

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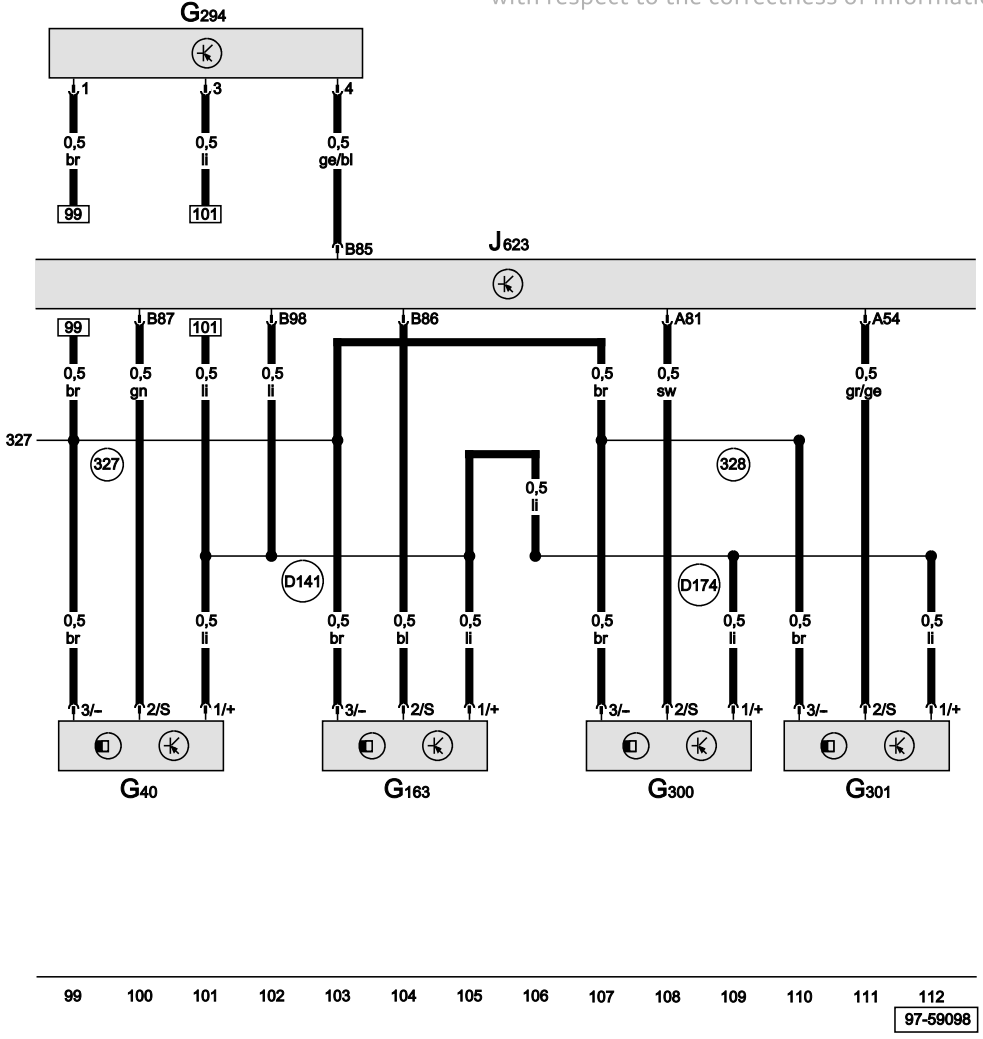
Engine control unit, engine speed sender, coolant temperature sender, knock sensors

G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J623	Engine control unit
T3m	3-pin connector, brown, on knock sensor 1
T3n	3-pin connector, blue, on knock sensor 2
T3p	3-pin connector, black, on knock sensor 1
327	Earth connection (sender earth), in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
*	from 01/2004 phased

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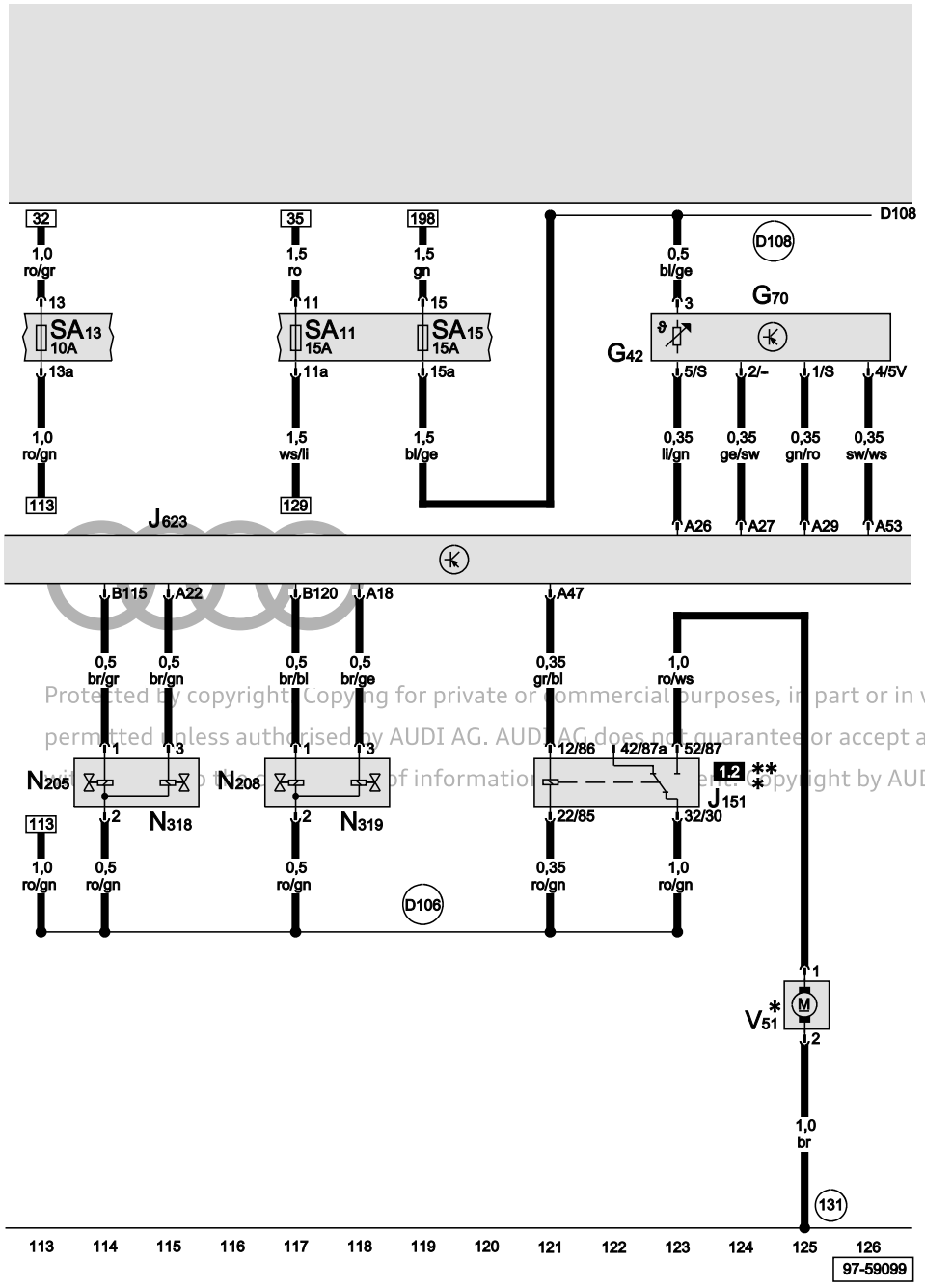
Engine control unit, Hall sender, brake servo pressure sensor

G40	Hall sender
G163	Hall sender 2
G294	Brake servo pressure sensor
G300	Hall sender 3
G301	Hall sender 4
J623	Engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
D174	Connection 2 (5V), in engine wiring harness

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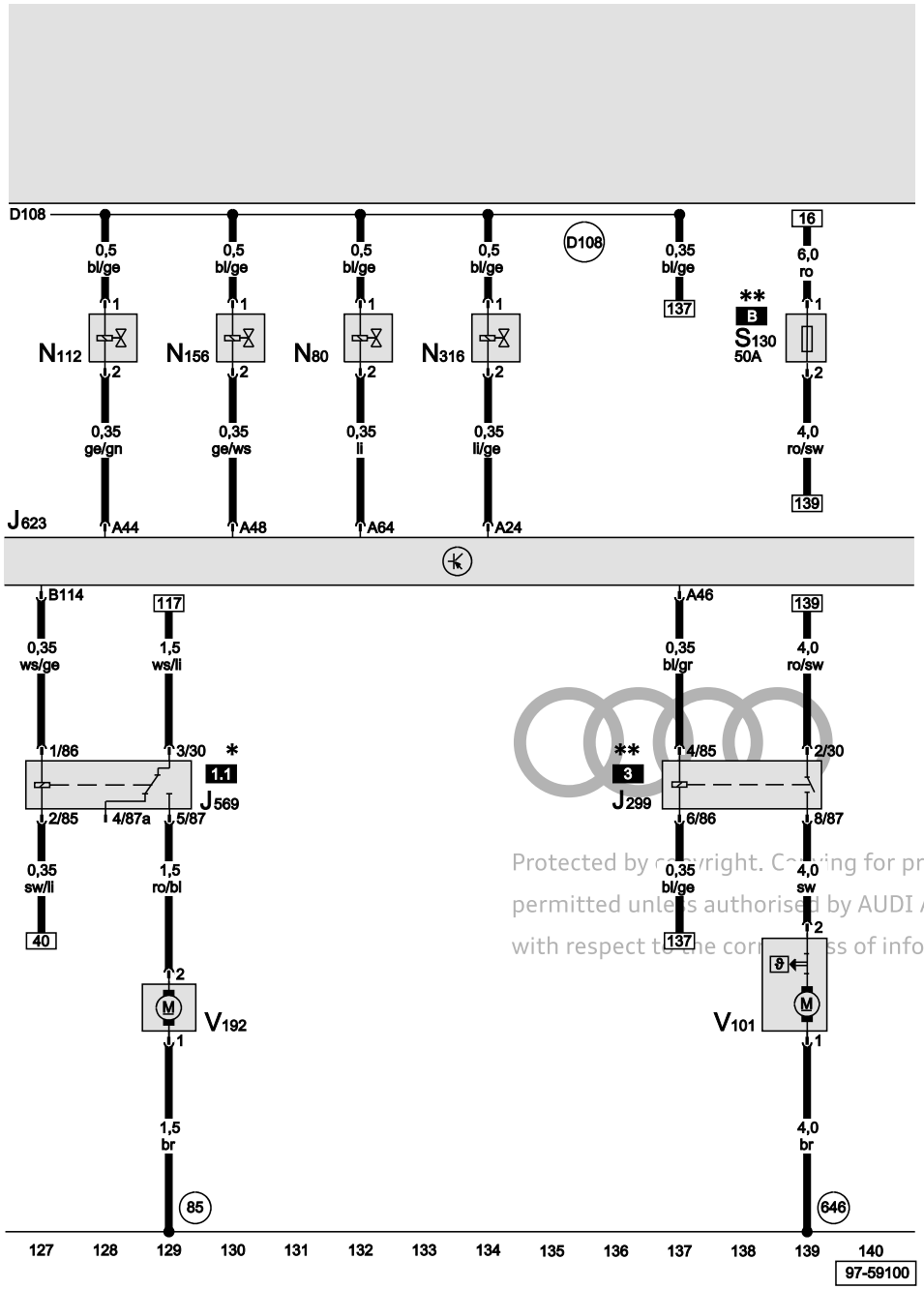
Engine control unit, inlet camshaft control valve, continued coolant circulation relay, continued coolant circulation pump, air mass meter, intake air temperature sender



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G42	Intake air temperature sender
G70	Air mass meter
J151	Continued coolant circulation relay
J623	Engine control unit
N205	Inlet camshaft control valve 1
N208	Inlet camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
SA11	Fuse 1 on fuse holder engine compartment
SA13	Fuse 3 on fuse holder engine compartment
SA15	Fuse 5 on fuse holder engine compartment
V51	Continued coolant circulation pump
131	Earth connection 2, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
*	only countries with hot climate
**	Relay carrier electronics box left in plenum chamber

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Engine control unit, active charcoal filter system solenoid valve 1, secondary air inlet valve, variable intake manifold change-over valve, intake manifold flap valve, secondary air pump relay, secondary air pump motor, vacuum pump for brakes

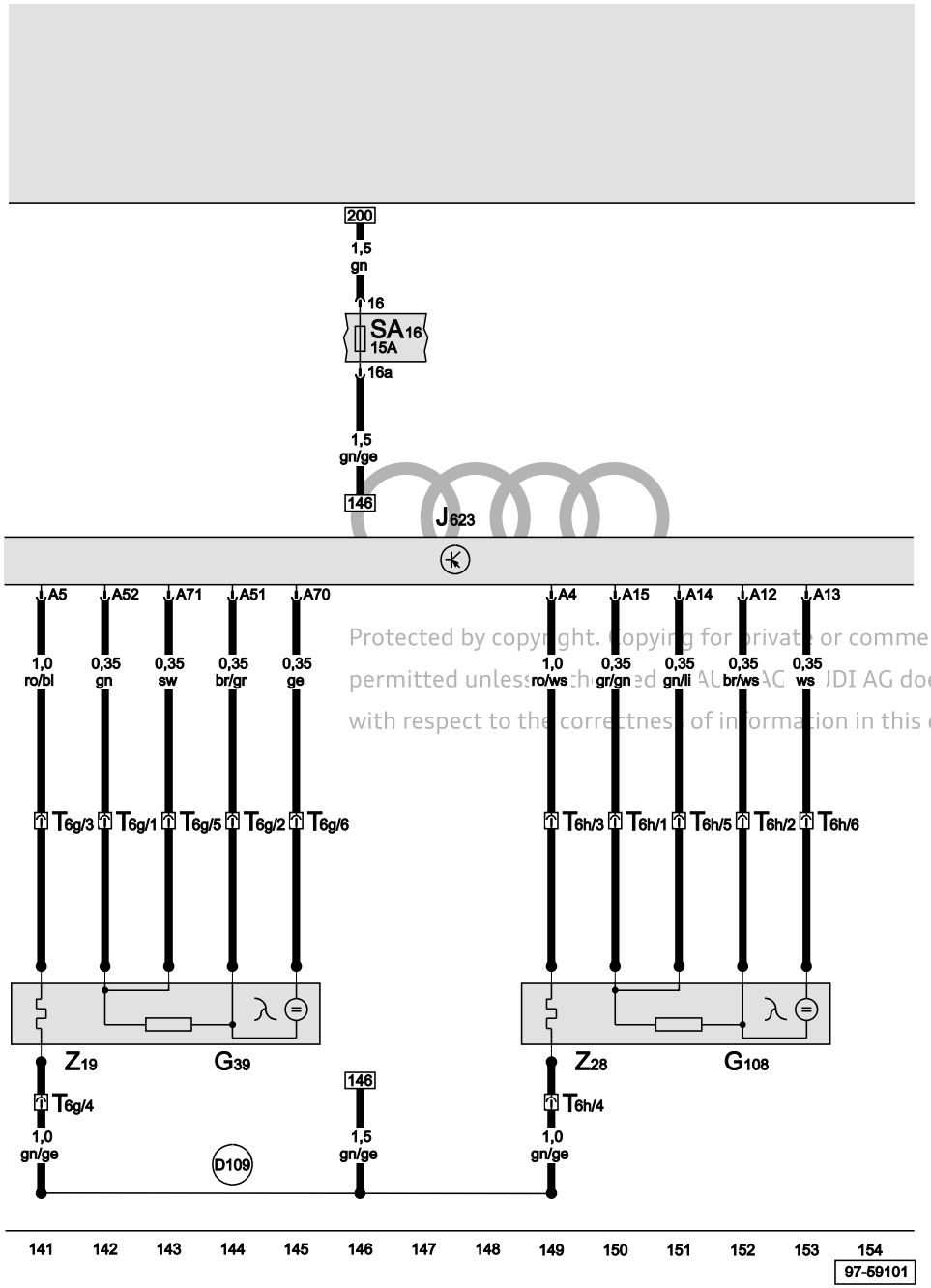
J299	Secondary air pump relay
J569	Brake servo relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N156	Variable intake manifold change-over valve
N316	Intake manifold flap valve
S130	Secondary air pump fuse
V101	Secondary air pump motor
V192	Vacuum pump for brakes
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
D108	Connection 6, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	Relay carrier electronics box on right in plenum chamber

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Engine control unit, lambda probe, lambda probe 2

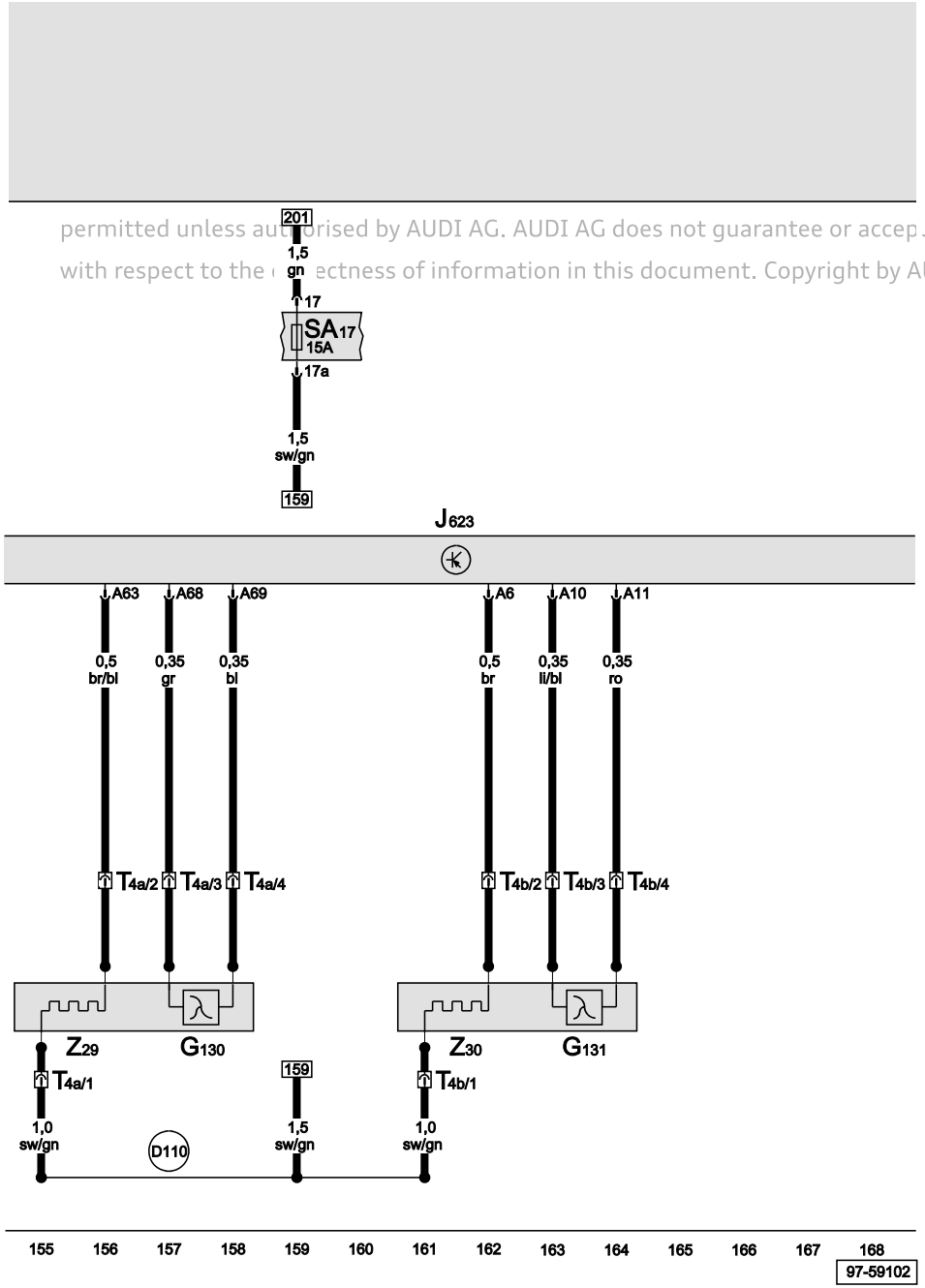
G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA16	Fuse 6 on fuse holder engine compartment
T6g	6-pin connector, brown, for lambda probe
T6h	6-pin connector, brown, for lambda probe 2
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D109	Connection 7, in engine compartment wiring harness



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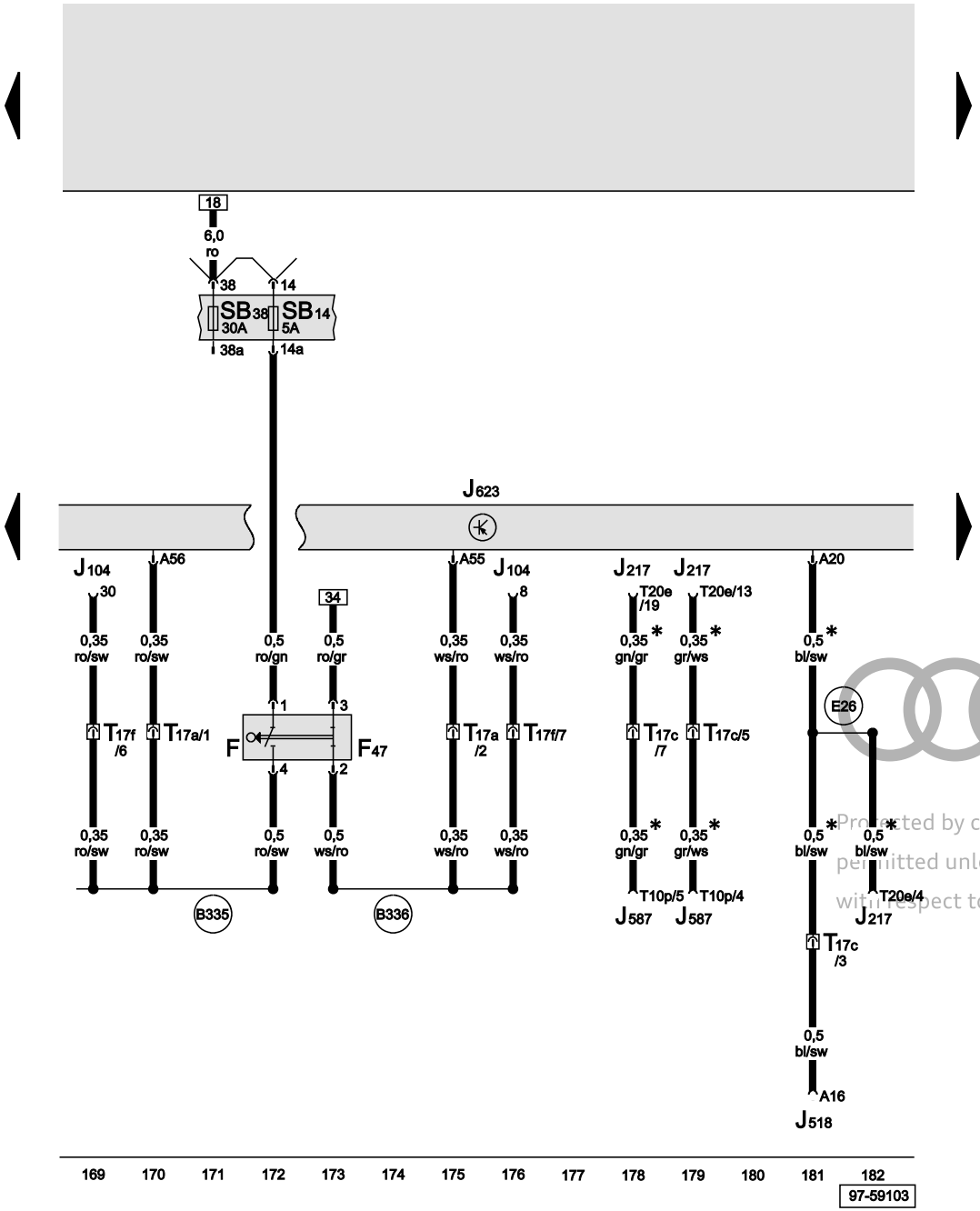
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Engine control unit, lambda probes after catalytic converter

G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SA17	Fuse 7 on fuse holder engine compartment
T4a	4-pin connector, black, for lambda probe 1 after catalytic converter
T4b	4-pin connector, brown, for lambda probe 2 after catalytic converter
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D110	Connection 8, in engine compartment wiring harness

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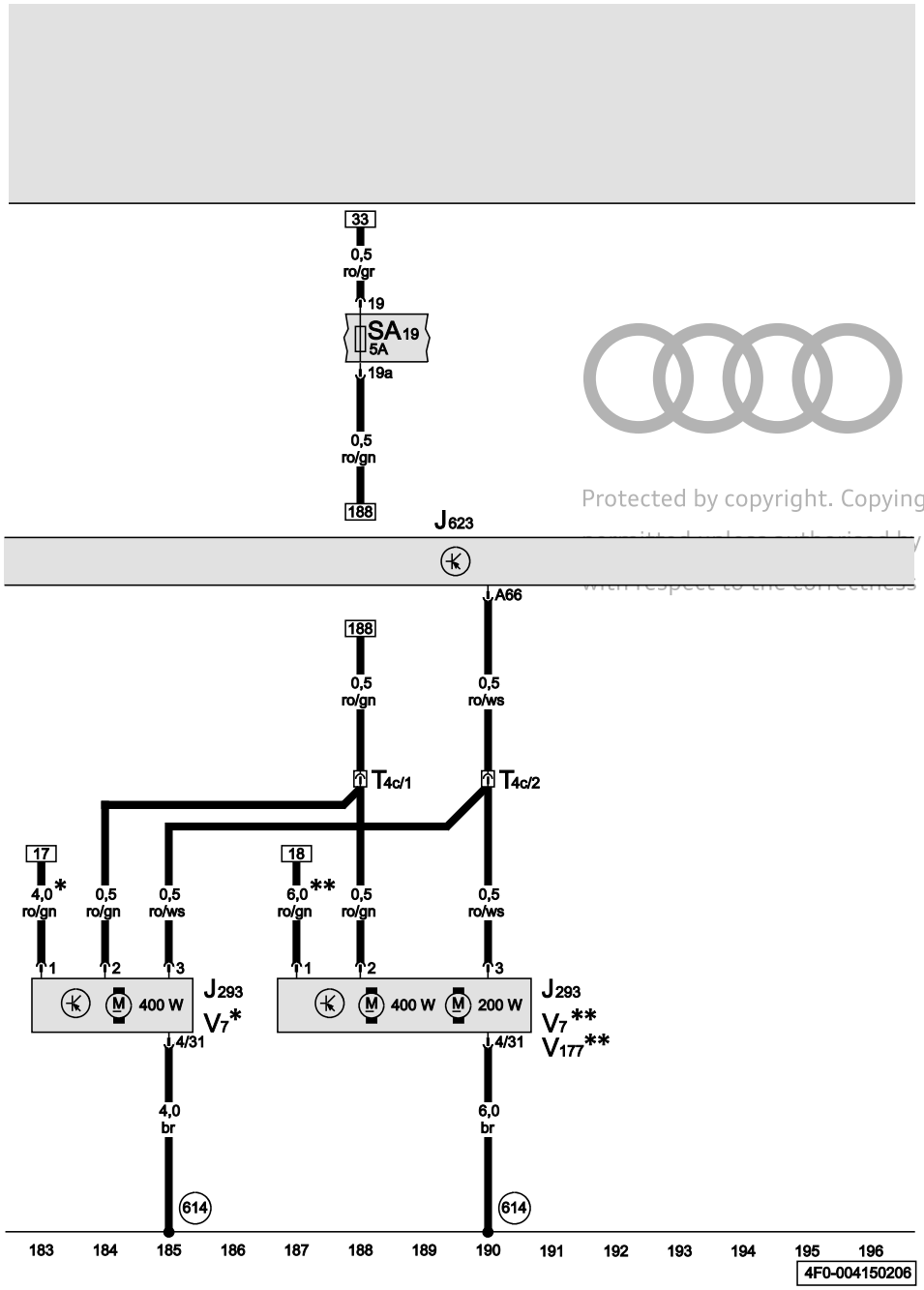


Engine control unit, brake light switchbrake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
J104	ABS control unit
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder
SB38	Fuse 38 on fuse holder
T10p	10-pin connector, black, on selector lever sensors control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T20e	20-pin connector, black, on automatic gearbox control unit
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
*	models with automatic gearbox 01J

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ge	=	yellow
or	=	orange
rs	=	pink



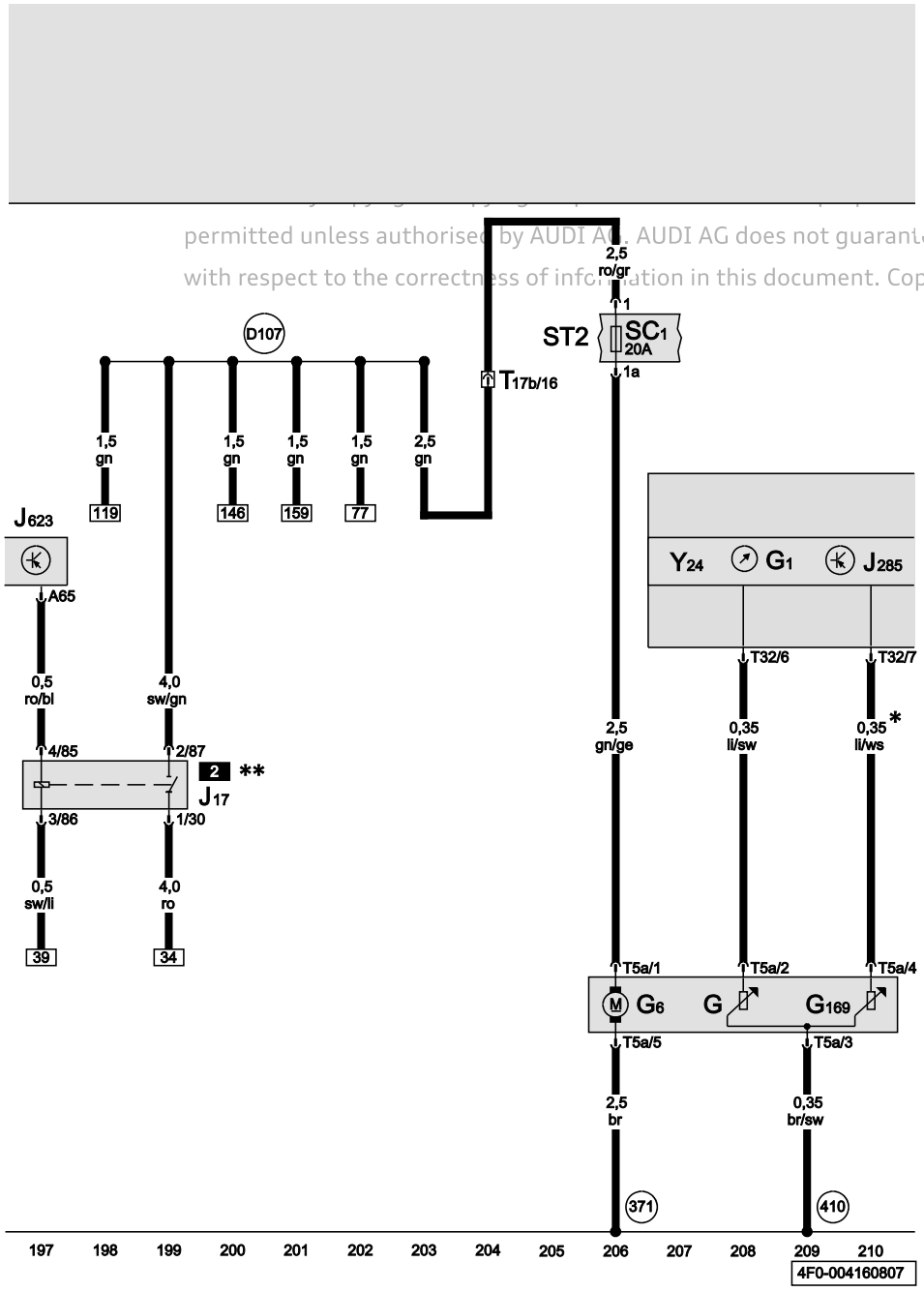
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Engine control unit, radiator fan

J293	Radiator fan control unit
J623	Engine control unit
SA19	Fuse 9 on fuse holder engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
*	models without trailer towing attachment
**	models with trailer towing attachment

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gn	=	green
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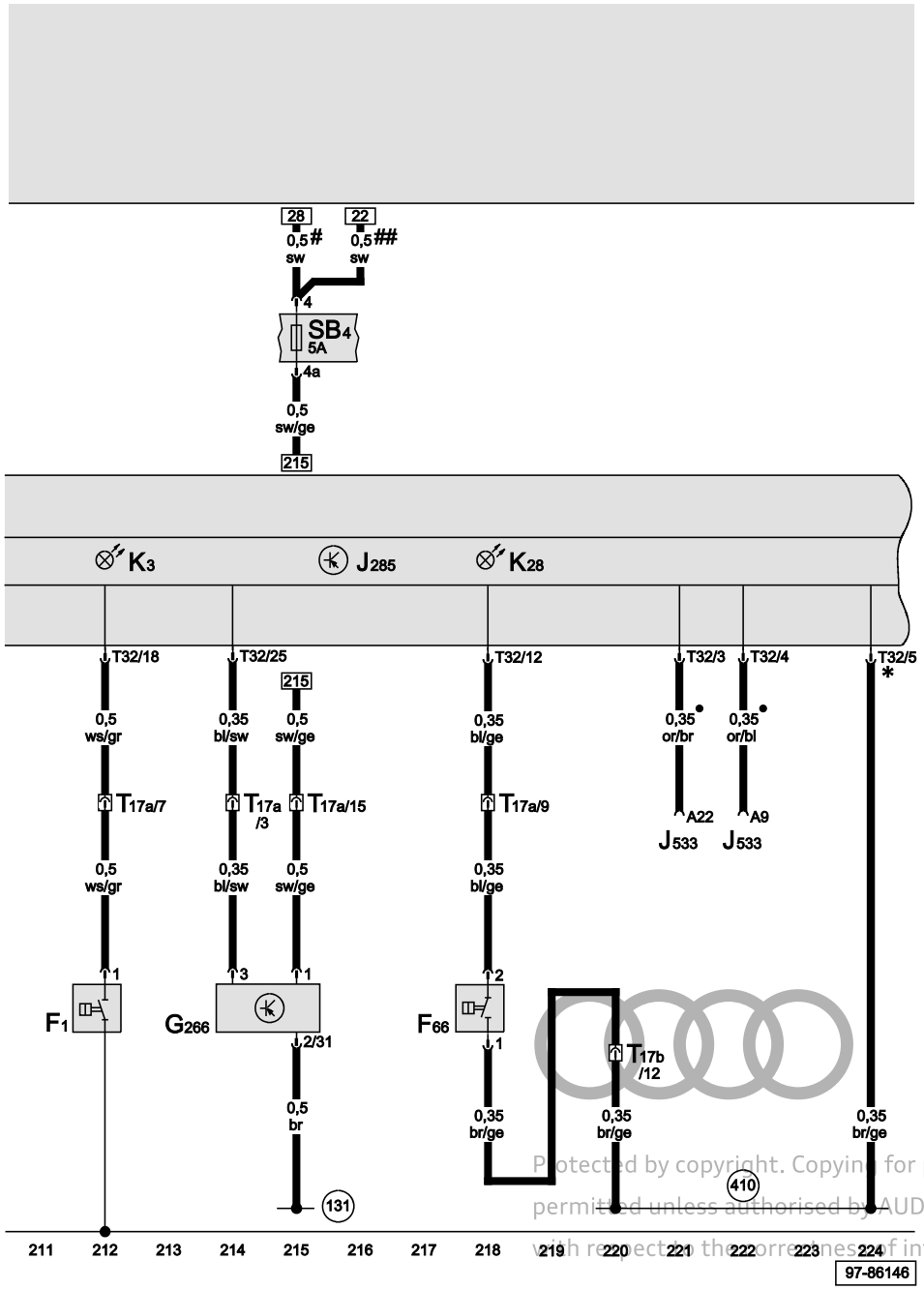
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Engine control unit, control unit in dash panel insert, fuel pump relay, fuel system pressurisation pump, fuel gauge sender, fuel gauge

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
J623	Engine control unit
SC1	Fuse 1 on fuse holder
T5a	5-pin connector, black, on fuel tank
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
D107	Connection 5, in engine compartment wiring harness
*	only four-wheel drive
**	Relay carrier electronics box left in plenum chamber



Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil pressure switch, oil level and oil temperature sender

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
131	Earth connection 2, in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	output sender earth
#	up to October 2005
##	from November 2005

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Audi A6 3.2 l Fuel injection engine (188 kW - 6 cylinder), engine codes AUK, BKH

from model year 2005

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Notes:

For information concerning

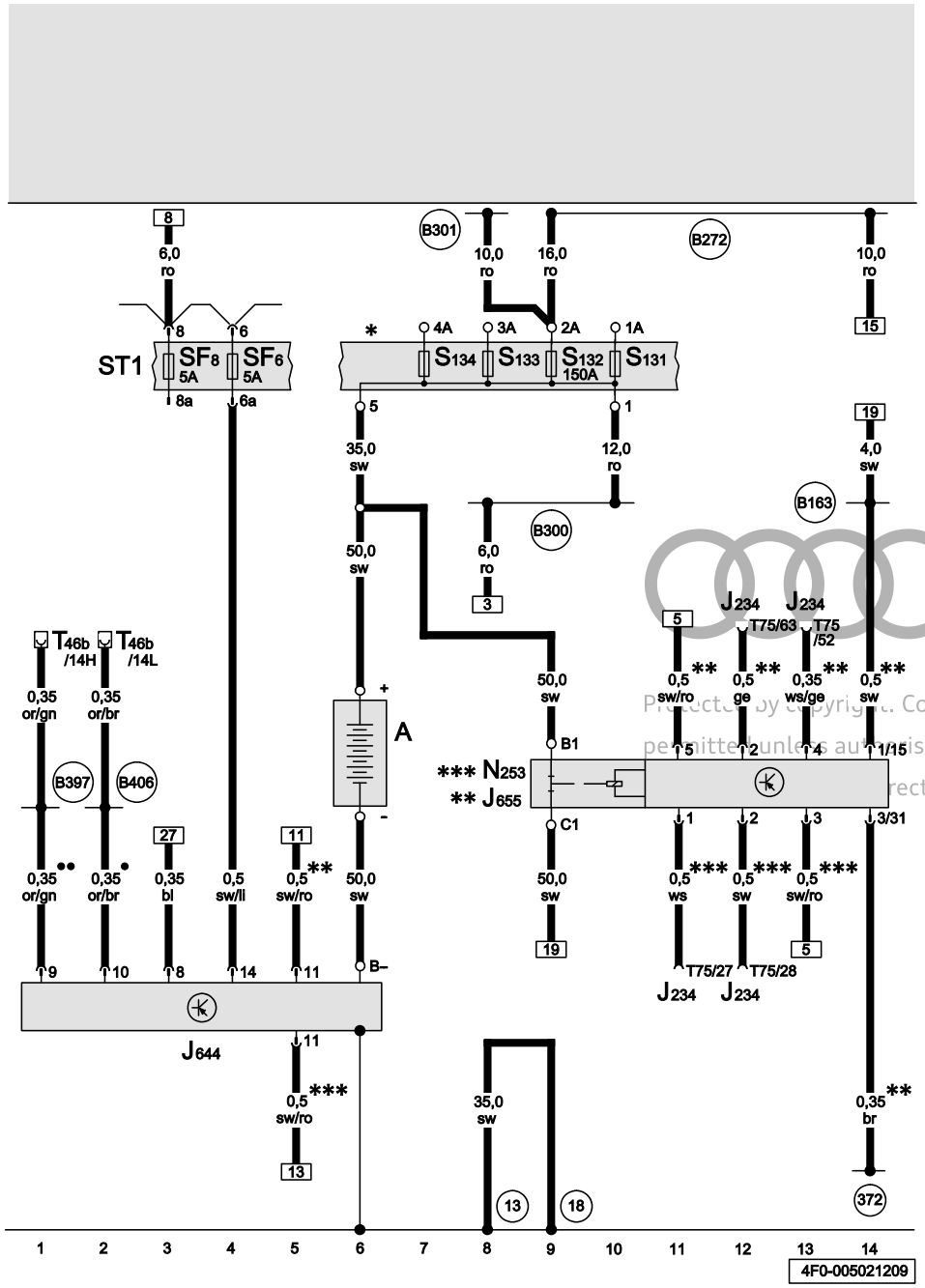
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



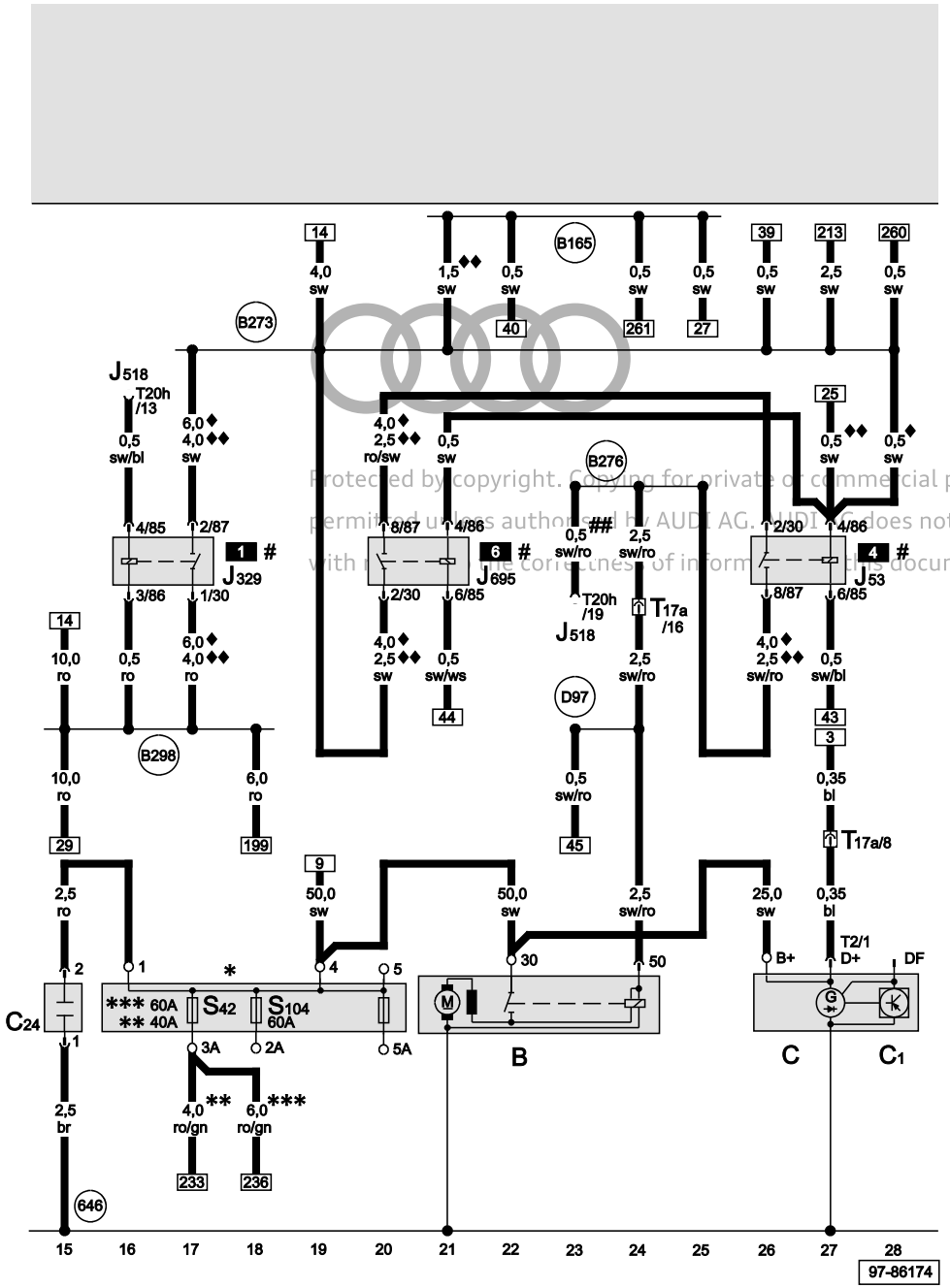
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Battery, energy management control unit, battery cut-off relay, fuse

A	Battery
J234	Airbag control unit
J644	Energy management control unit
J655	Battery cut-off relay
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
T46b	46-pin connector, CAN disconnector right
T75	75-pin connector, grey, on airbag control unit (USA: white)
13	Earth point, on right in engine compartment
18	Earth point on engine block
372	Earth connection 7, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
**	up to about week 26.04
***	from about week 27.04

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Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter



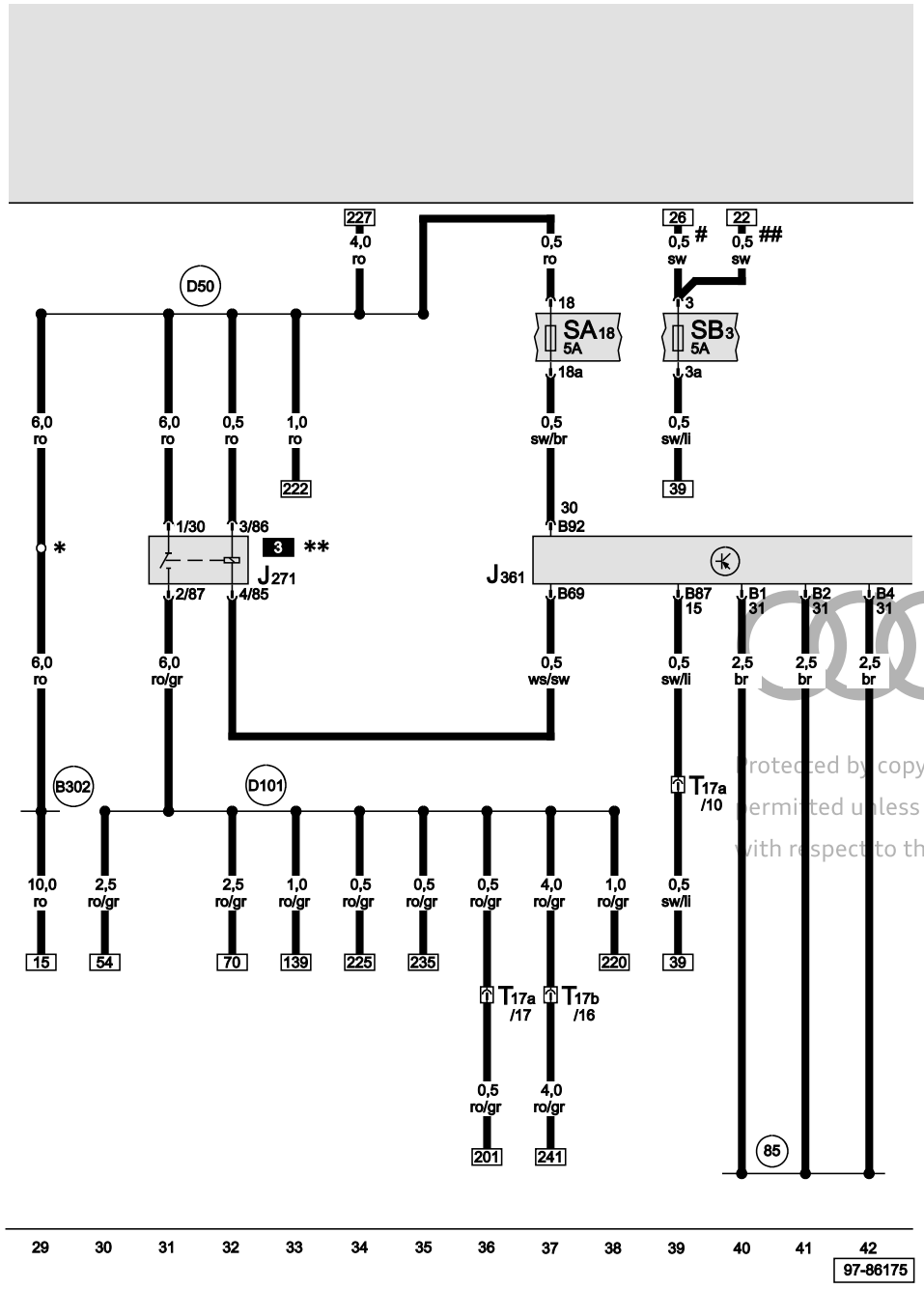
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B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B276	Positive connection (50), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	models without trailer towing attachment
***	models with trailer towing attachment
#	9-point relay carrier, behind driver storage compartment
##	no longer fitted, phased from model year 2006
◆	up to October 2005
◆◆	from November 2005

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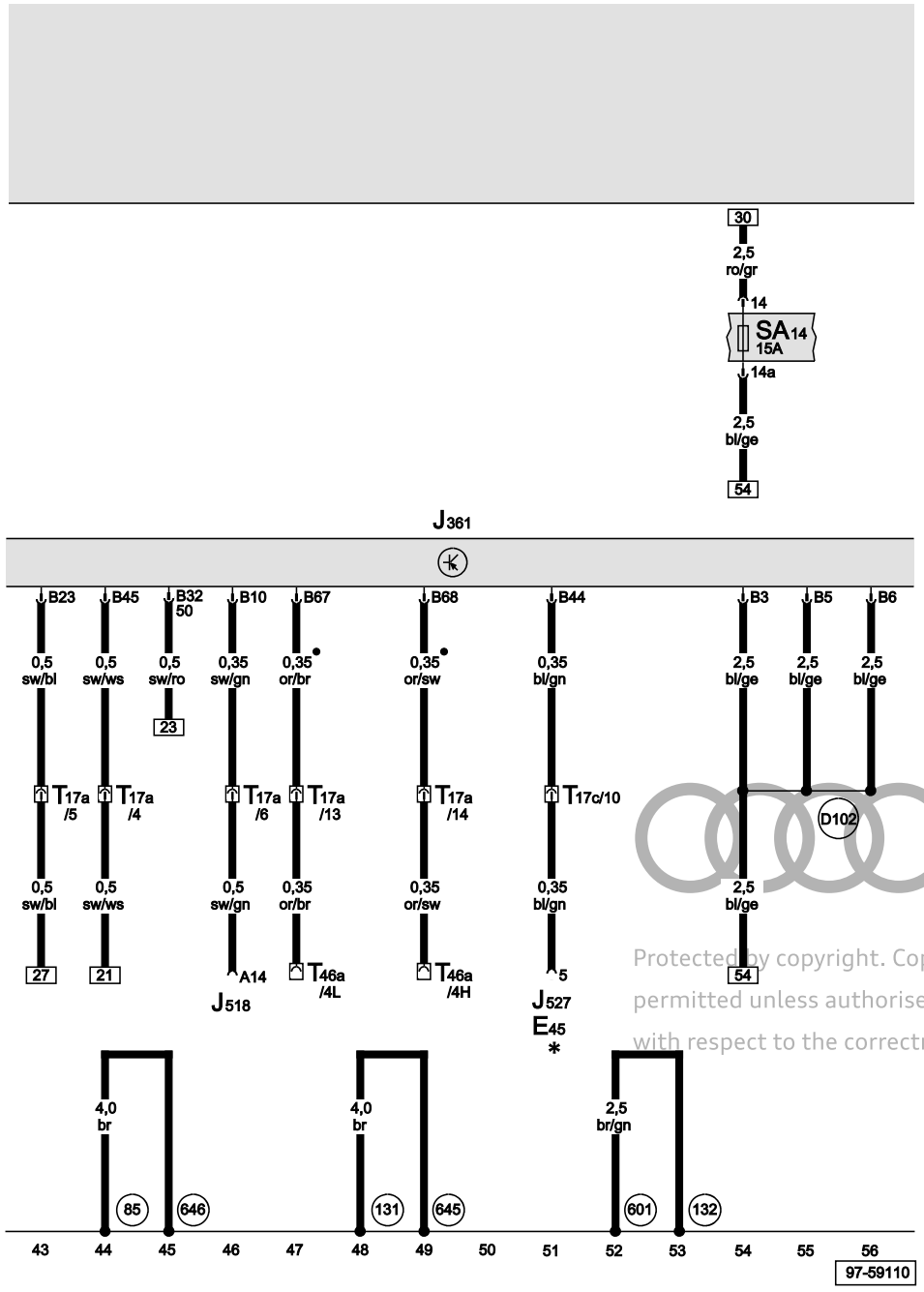
Simos control unit, Motronic current supply relay

J271	Motronic current supply relay
J361	Simos control unit
SA18	Fuse 8 on fuse holder in engine compartment
SB3	Fuse 3 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
85	Earth connection 1, in engine compartment wiring harness
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber
#	up to October 2005
##	from November 2005



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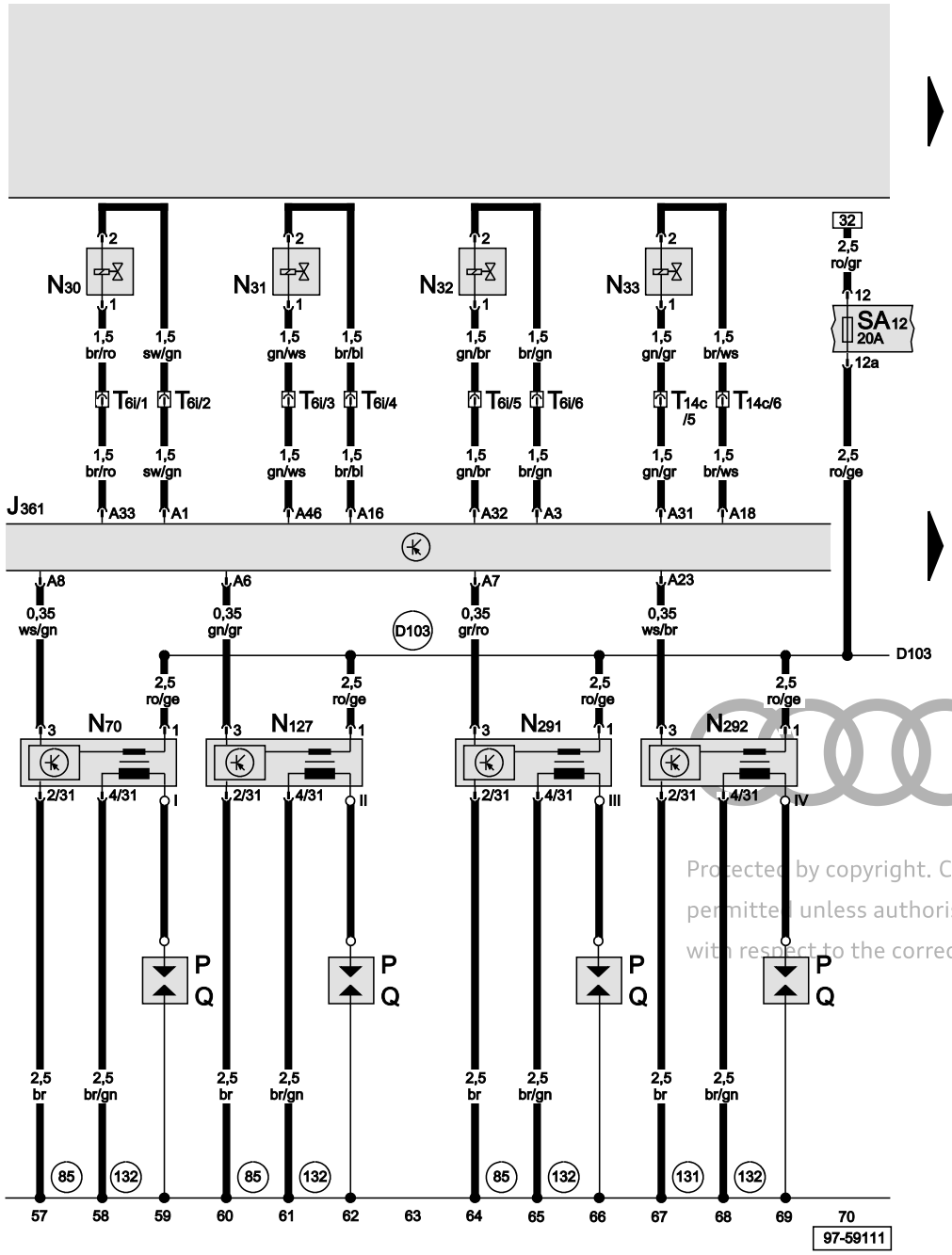


Simos control unit, CAN disconnector, earth connections

E45	Cruise control system switch
J361	Simos control unit
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
SA14	Fuse 4 on fuse holder in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN disconnector left
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)
*	models with cruise control system

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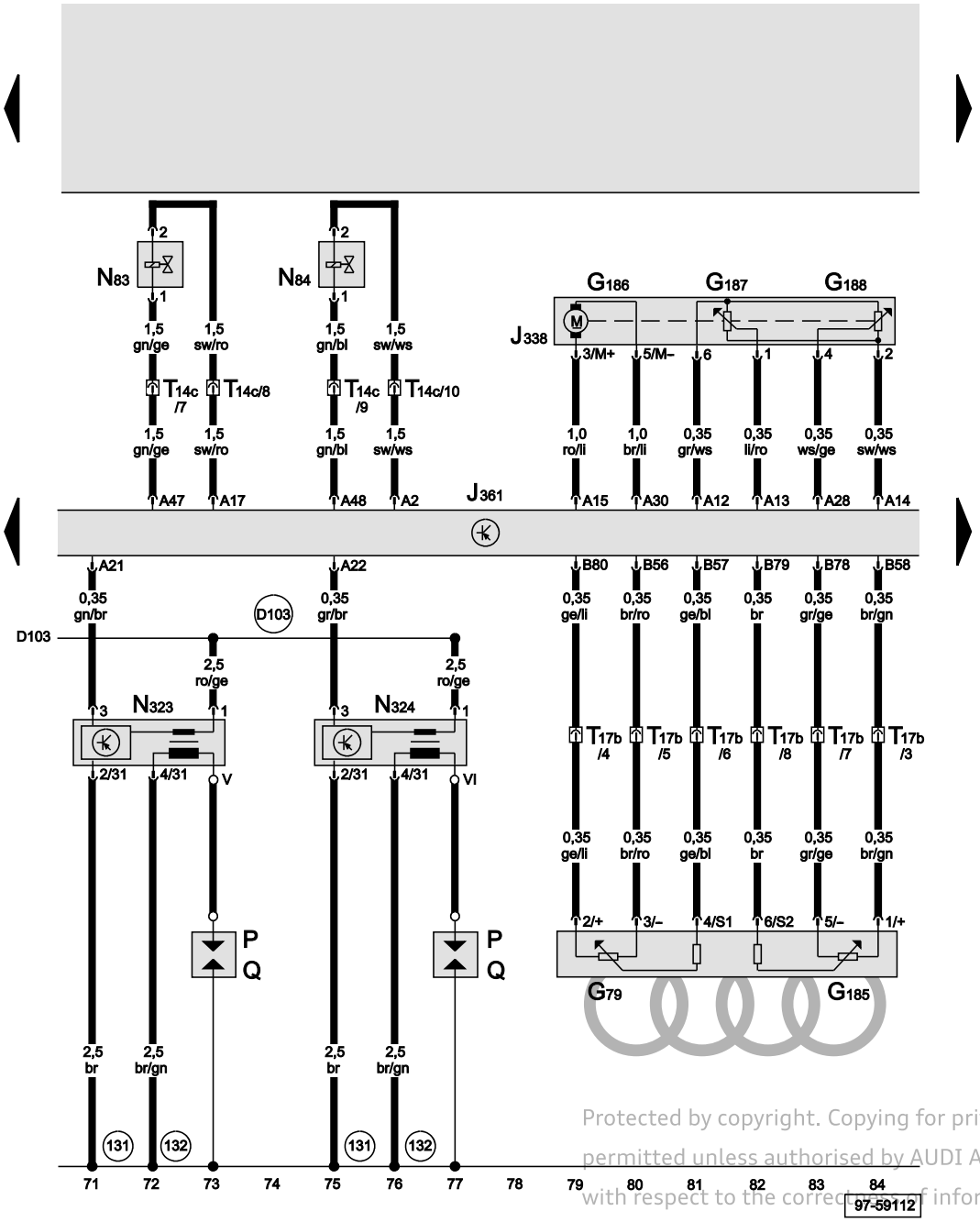


Simos control unit, injector, cylinder 1 - 4, ignition coil 1 - 4 with output stage

J361	Simos control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA12	Fuse 2 on fuse holder in engine compartment
T6i	6-pin connector, black, in right engine compartment
T14c	14-pin connector, black, on left in engine compartment
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness

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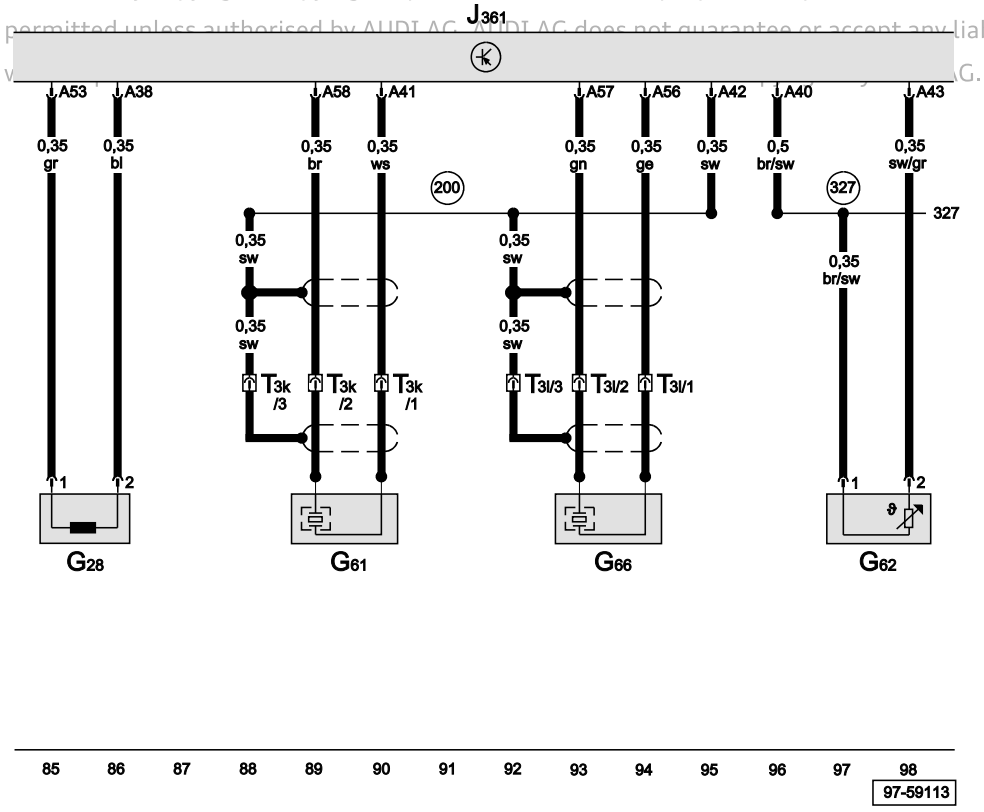
Simos control unit, injector, cylinder 5 and 6, ignition coil 5 and 6 with output stage, accelerator position sender, throttle valve module

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive, electric throttle
G187	Throttle valve drives angle sender 1, electric throttle
G188	Throttle valve drives angle sender 2, electric throttle
J338	Throttle valve module
J361	Simos control unit
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
T14c	14-pin connector, black, on left in engine compartment
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness

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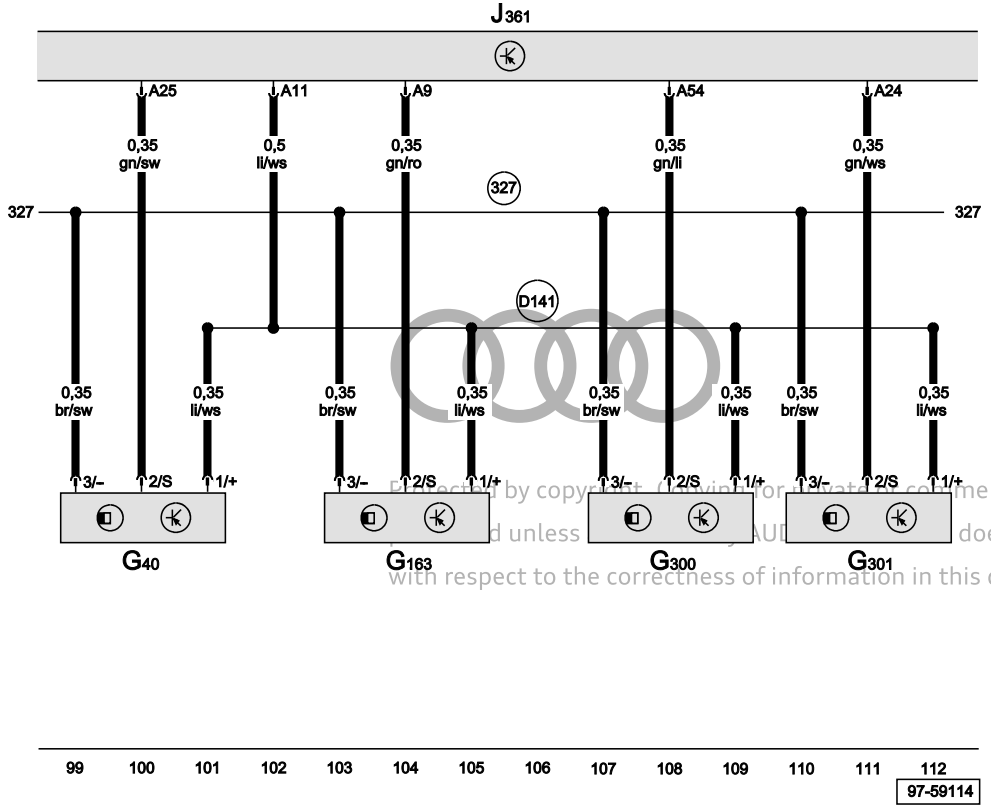
Simos control unit, engine speed sender, coolant temperature sender, knock sensors

G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J361	Simos control unit
T3k	3-pin connector, green, on knock sensor 1
T3l	3-pin connector, grey, on knock sensor 2
200	Earth connection (screening) in engine compartment wiring harness
327	Earth connection (sender earth), in engine compartment wiring harness

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

Simos control unit, Hall sender

G40	Hall sender
G163	Hall sender 2
G300	Hall sender 3
G301	Hall sender 4
J361	Simos control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness



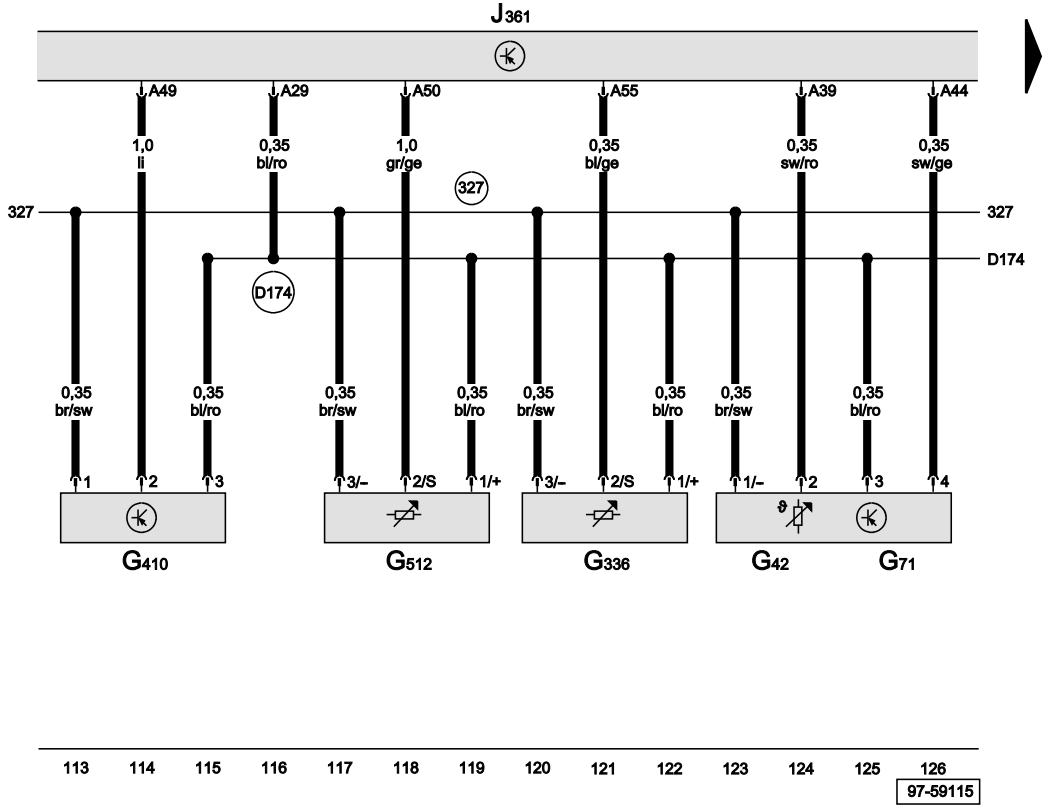
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Simos control unit, intake manifold pressure sender, intake air temperature sender, intake manifold flap potentiometer, fuel pressure sender, low pressure

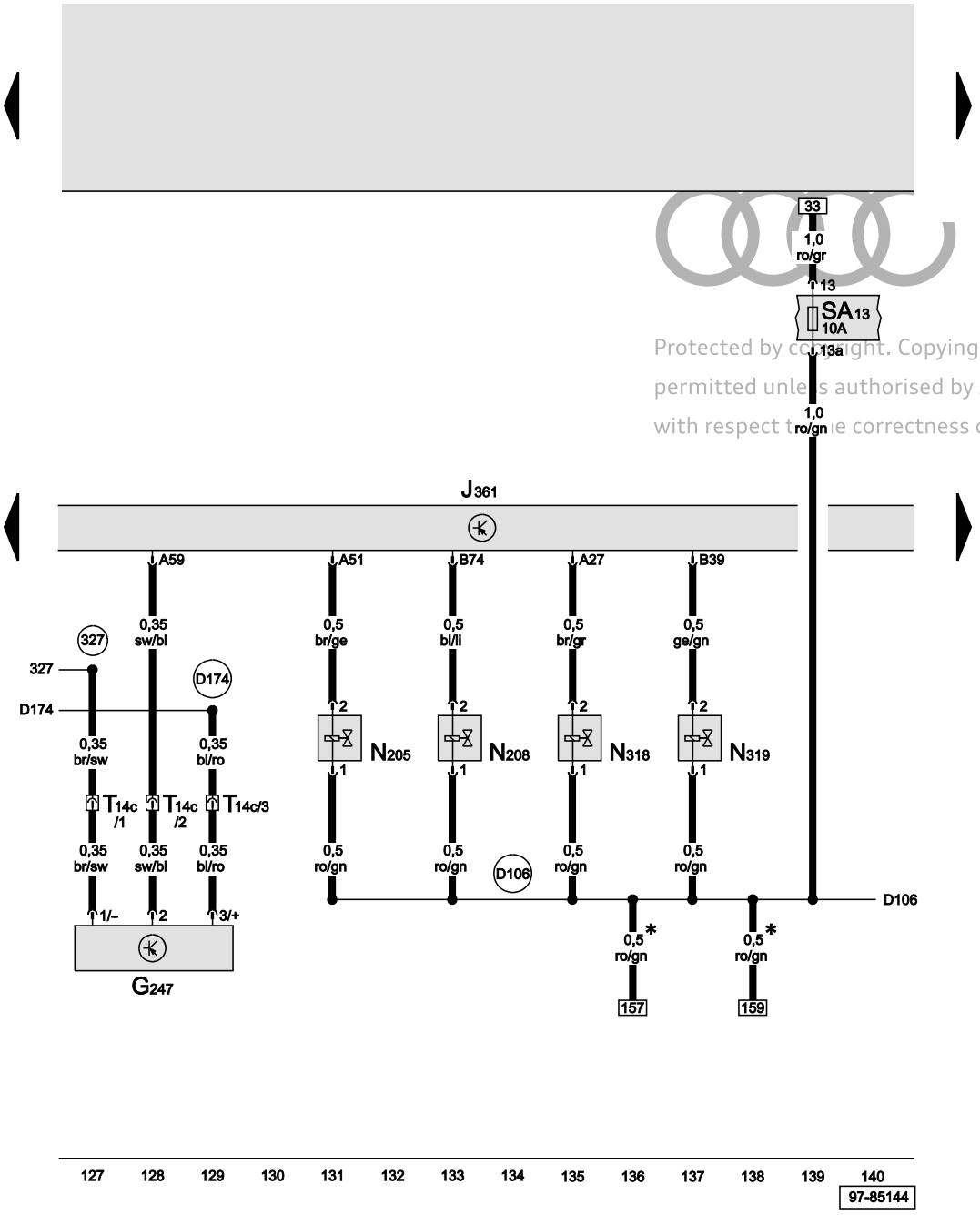
G42	Intake air temperature sender
G71	Intake manifold pressure sender
G336	Intake manifold flap potentiometer
G410	Fuel pressure sender, low pressure
G512	Intake manifold flap 2 potentiometer
J361	Simos control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D174	Connection 2 (5V), in engine wiring harness



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Simos control unit, fuel pressure sender, inlet camshaft control valve, exhaust camshaft control valve

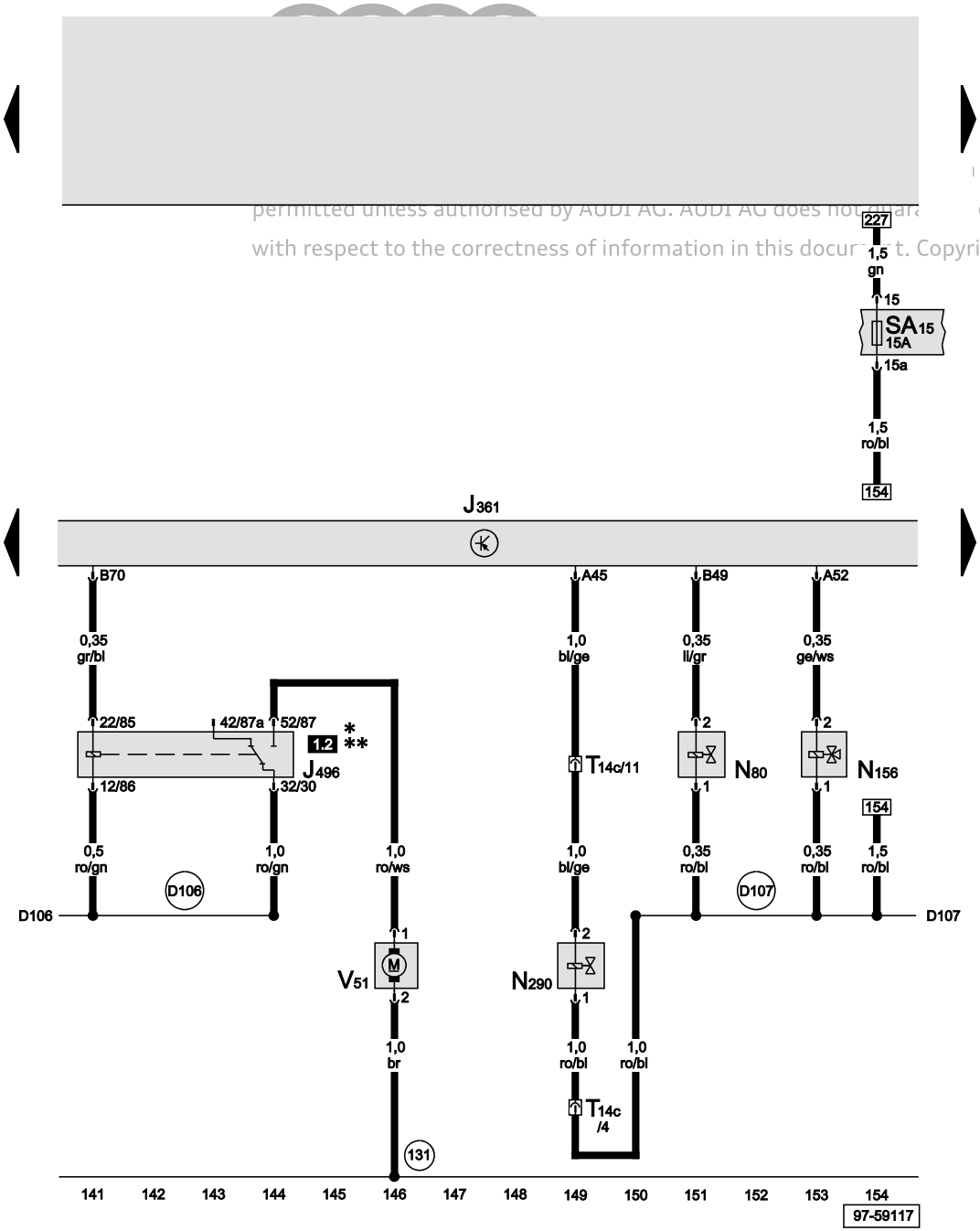
G247	Fuel pressure sender
J361	Simos control unit
N205	Inlet camshaft control valve 1
N208	Inlet camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
SA13	Fuse 3 on fuse holder in engine compartment
T14c	14-pin connector, black, on left in engine compartment
(327)	Earth connection (sender earth), in engine compartment wiring harness
(D106)	Connection 4, in engine compartment wiring harness
(D174)	Connection 2 (5V), in engine wiring harness
*	from week 39/2004



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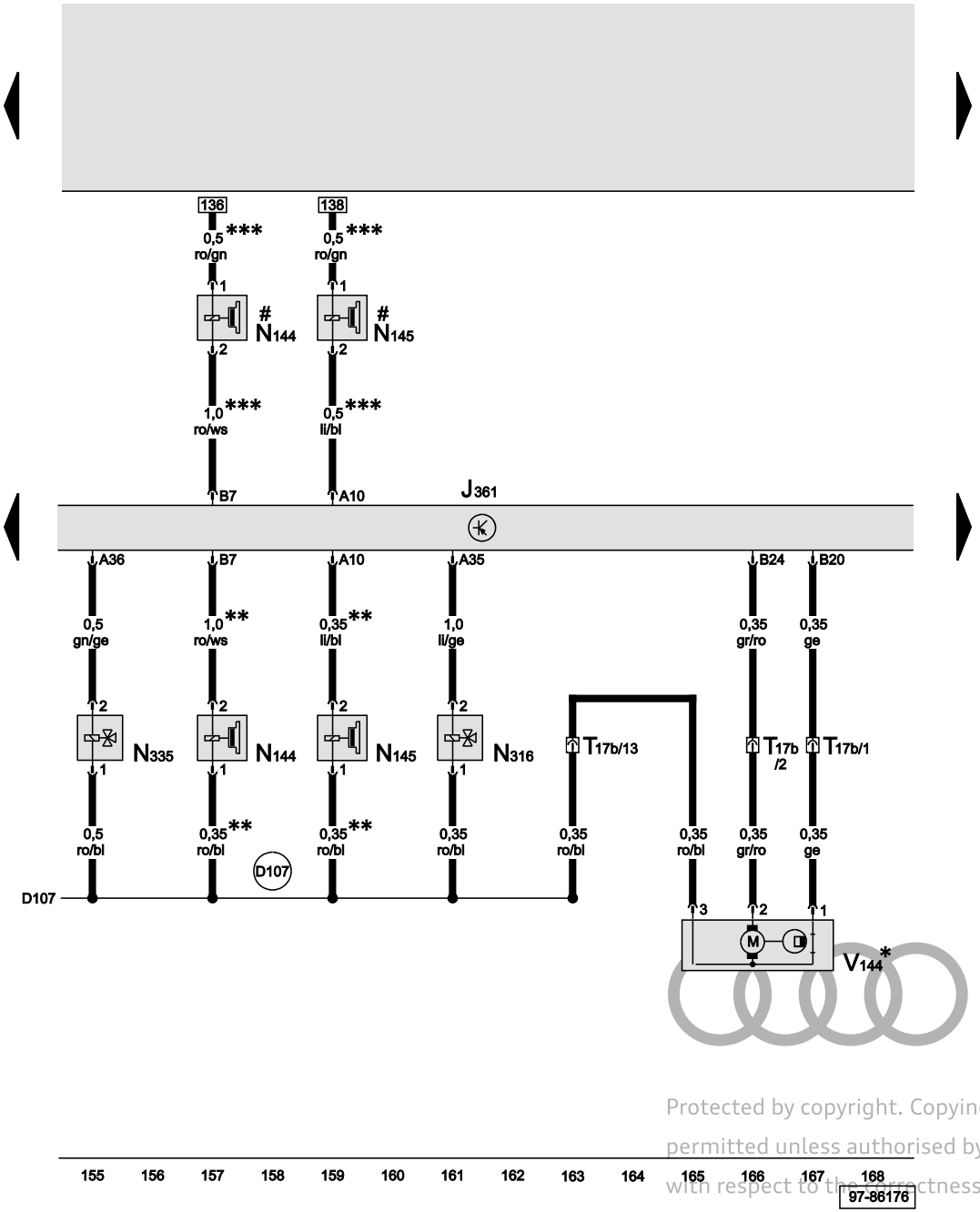
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Simos control unit, additional coolant pump relay, continued coolant circulation pump, active charcoal filter system solenoid valve 1, variable intake manifold change-over valve, fuel metering valve

J361	Simos control unit
J496	Additional coolant pump relay
N80	Activated charcoal filter system solenoid valve 1
N156	Variable intake manifold change-over valve
N290	Fuel metering valve
SA15	Fuse 5 on fuse holder in engine compartment
T14c	14-pin connector, black, on left in engine compartment
V51	Continued coolant circulation pump
131	Earth connection 2, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	only countries with hot climate

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Simos control unit, variable intake manifold change-over valve, left electrohydraulic engine mounting solenoid valve, right electrohydraulic engine mounting solenoid valve, intake manifold flap valve, fuel system diagnostic pump

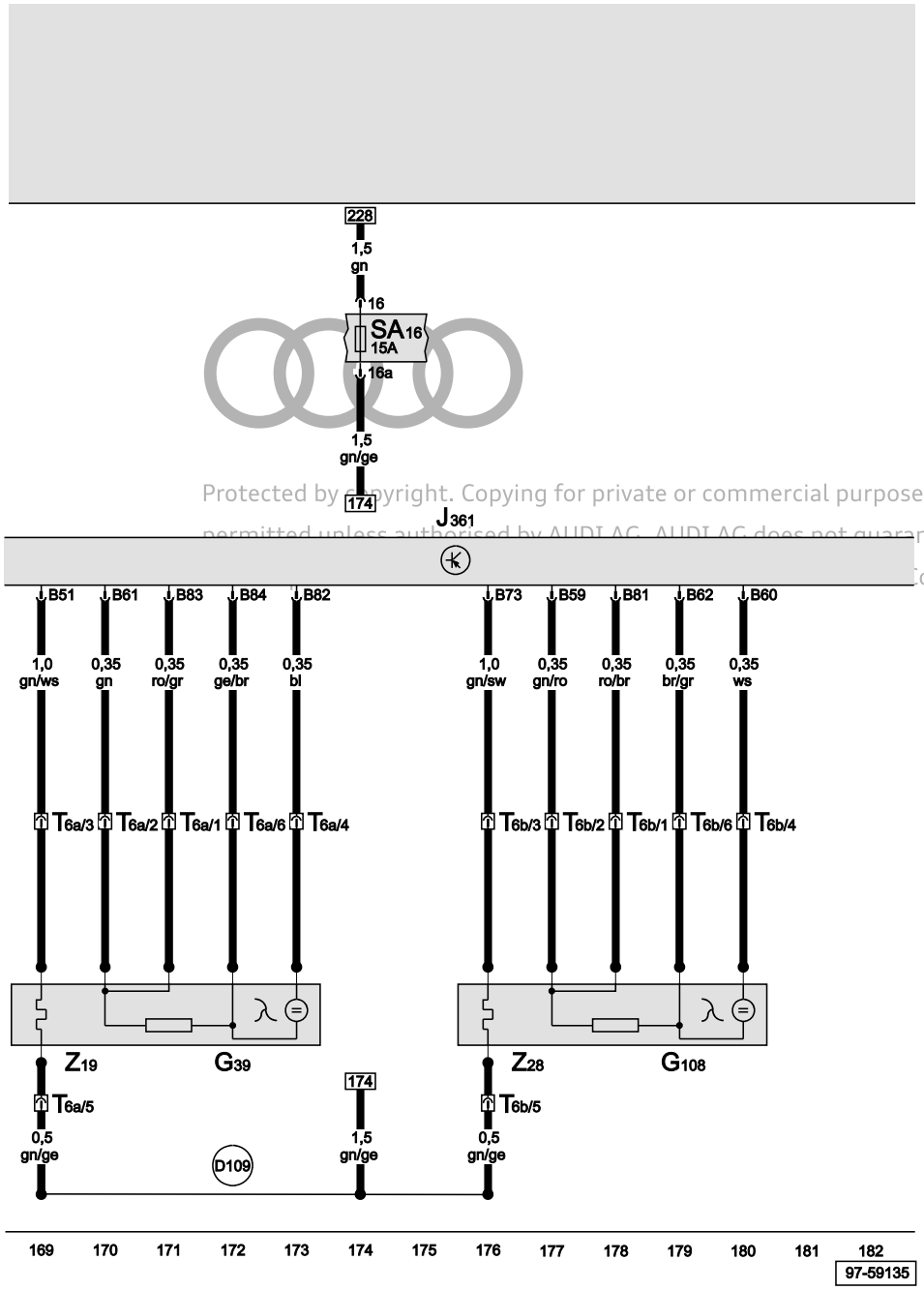
J361	Simos control unit
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N316	Intake manifold flap valve
N335	Variable intake manifold change-over valve
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
V144	Fuel system diagnostic pump
D107	Connection 5, in engine compartment wiring harness
*	models with fuel system diagnostic pump
**	up to week 38/2004
***	from week 39/2004
#	from week 22/2005, only models with automatic gearbox 09L

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sw	=	black
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Simos control unit, lambda probe, lambda probe 2

G39	Lambda probe
G108	Lambda probe 2
J361	Simos control unit
SA16	Fuse 6 on fuse holder in engine compartment
T6a	6-pin connector, black, for Lambda probe
T6b	6-pin connector, black, for Lambda probe 2
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D109	Connection 7, in engine compartment wiring harness

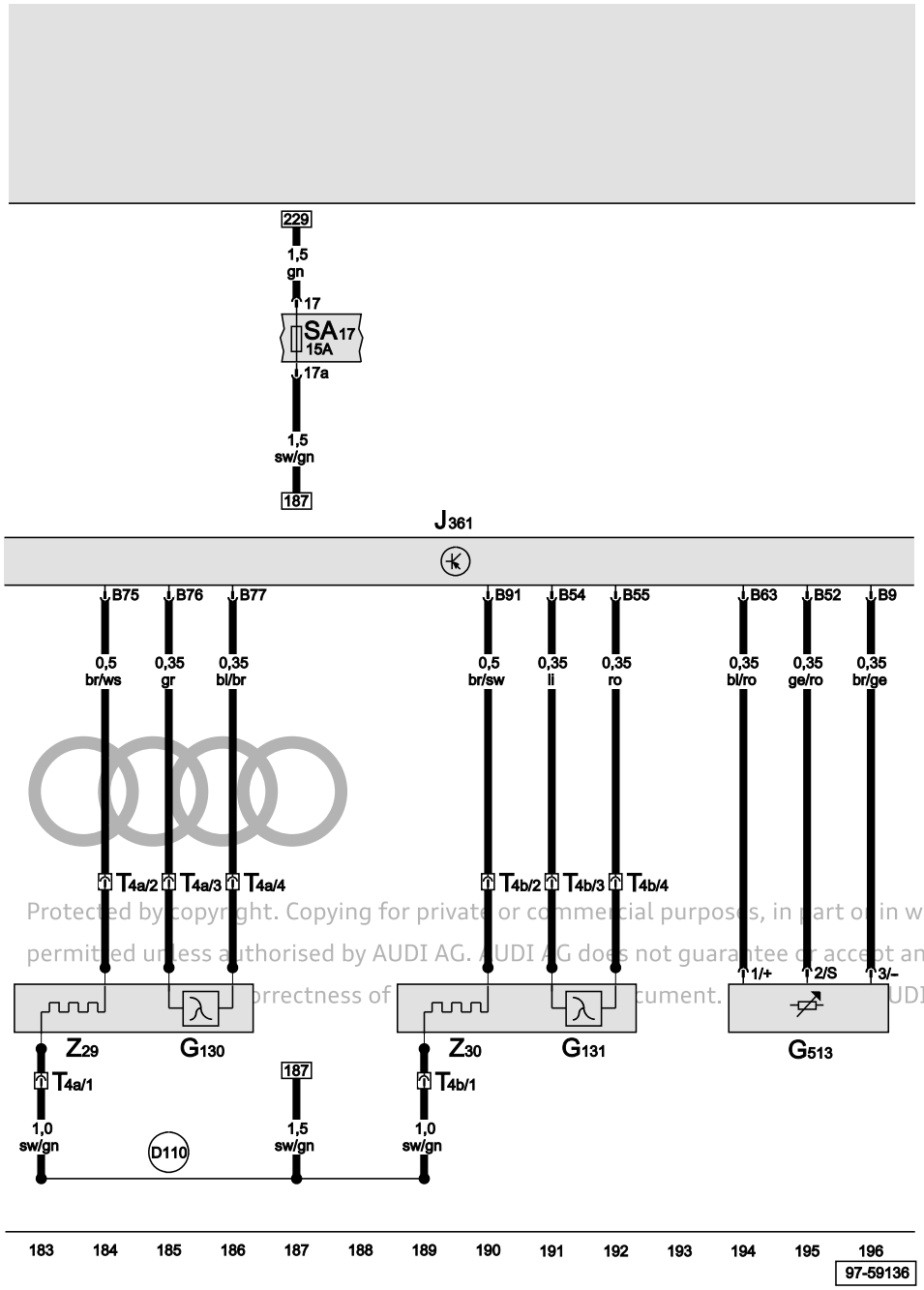


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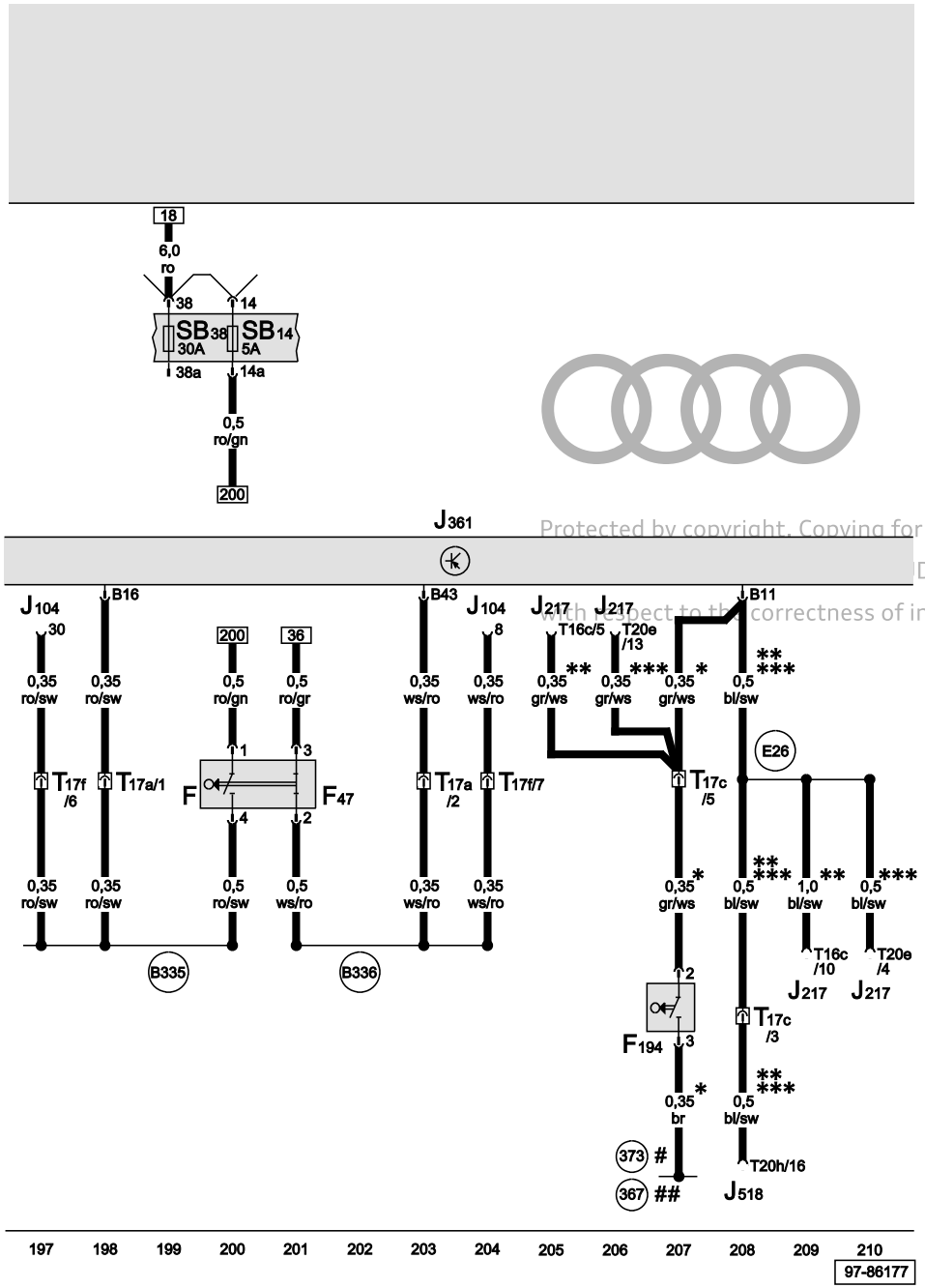
Simos control unit, variable intake manifold position sender, lambda probe after catalytic converter

G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
G513	Variable intake manifold position sender
J361	Simos control unit
SA17	Fuse 7 on fuse holder in engine compartment
T4a	4-pin connector, black, for Lambda probe 1 after catalytic converter
T4b	4-pin connector, brown, for Lambda probe 2 after catalytic converter
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D110	Connection 8, in engine compartment wiring harness



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or	=	orange
rs	=	pink

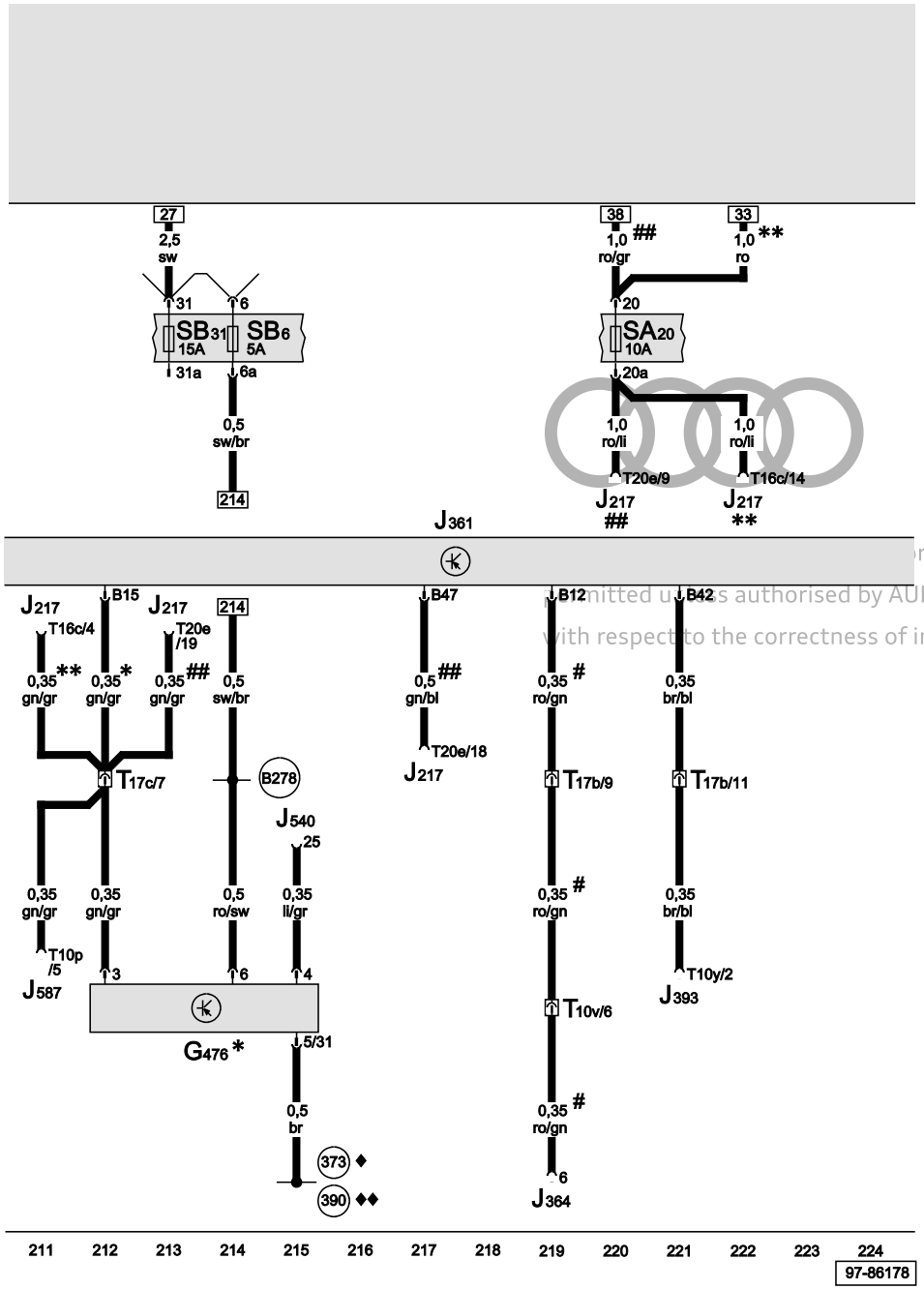


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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Simos control unit, clutch pedal switch for engine start, brake light switch, clutch pedal switch

F	Brake light switch
F47	Brake pedal switch
F194	Clutch pedal switch for engine start
J104	ABS control unit
J217	Automatic gearbox control unit
J361	Simos control unit
J518	Entry and start authorisation control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left A-pillar
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
367	Earth connection 2, in main wiring harness
373	Earth connection 8, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
*	models with manual gearbox
**	models with automatic gearbox 09L
***	models with automatic gearbox 01J
#	up to October 2005
##	from November 2005



Simos control unit, clutch position sender

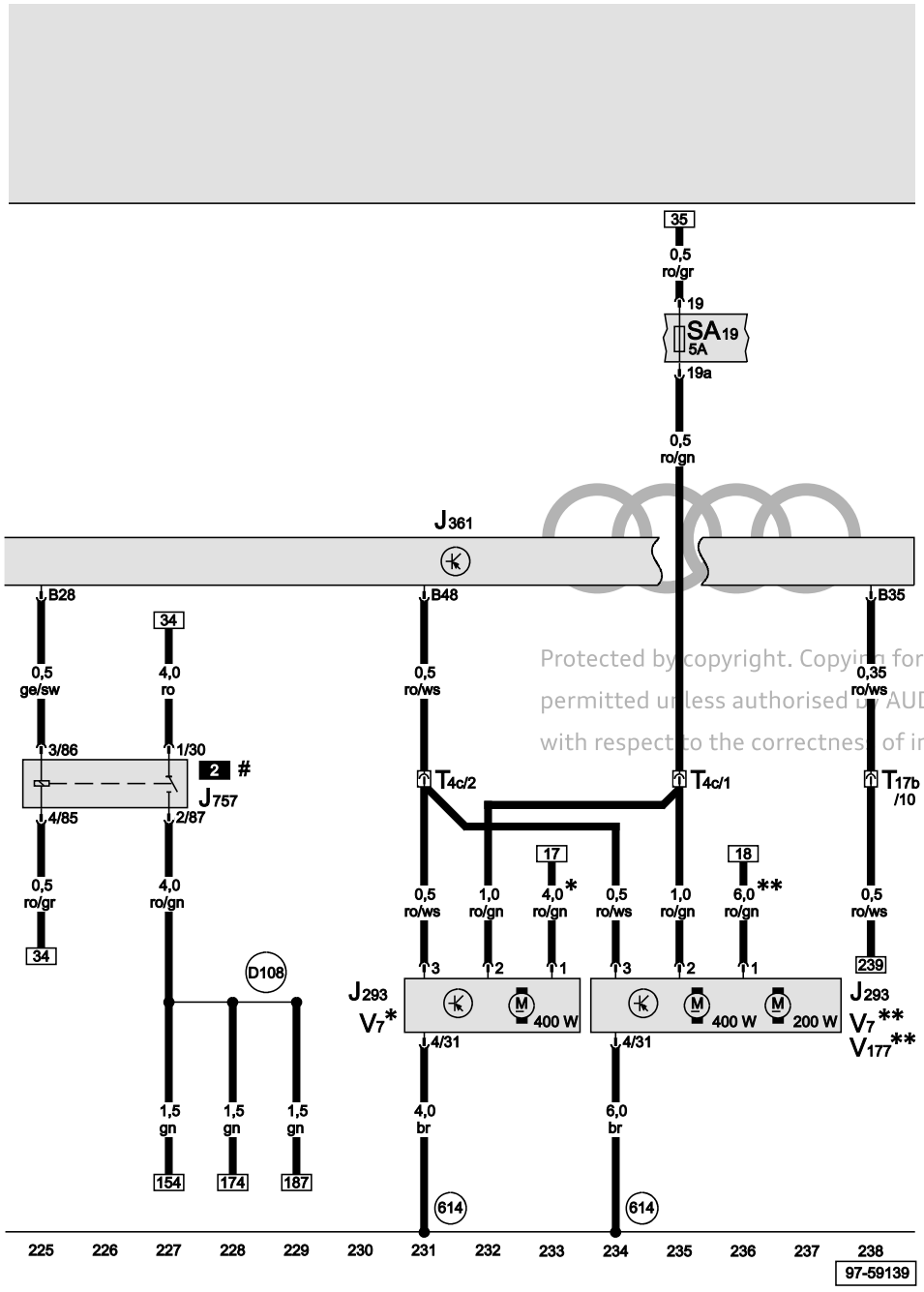
G476	Clutch position sender
J217	Automatic gearbox control unit
J361	Simos control unit
J364	Auxiliary heater control unit
J393	Convenience system central control unit
J540	Electric park and handbrake control unit
J587	Selector lever sensors control unit
SA20	Fuse 10 on fuse holder in engine compartment
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T10p	10-pin connector, black, on selector lever sensors control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T10y	10-pin connector, black, connector C, on convenience system control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	models with manual gearbox
**	models with automatic gearbox 09L
#	models with auxiliary heater
##	models with automatic gearbox 01J
♦	up to October 2005
♦♦	from November 2005

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ro	=	red
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or	=	orange
rs	=	pink

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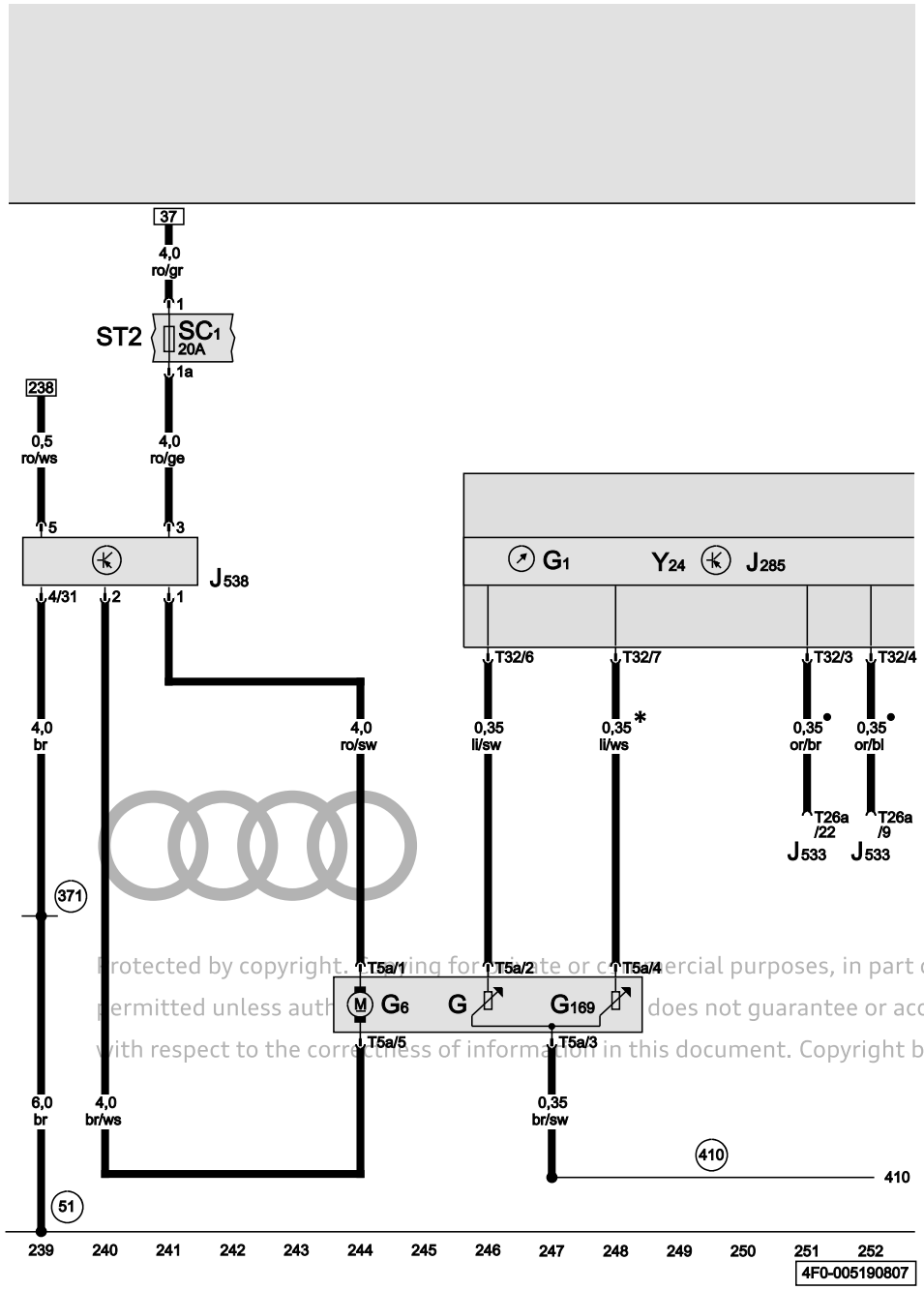
Simos control unit, engine component current supply relay, radiator fan

J293	Radiator fan control unit
J361	Simos control unit
J757	Engine component current supply relay
SA19	Fuse 9 on fuse holder in engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
D108	Connection 6, in engine compartment wiring harness
*	models without trailer towing attachment
**	models with trailer towing attachment
#	Relay carrier electronics box left in plenum chamber



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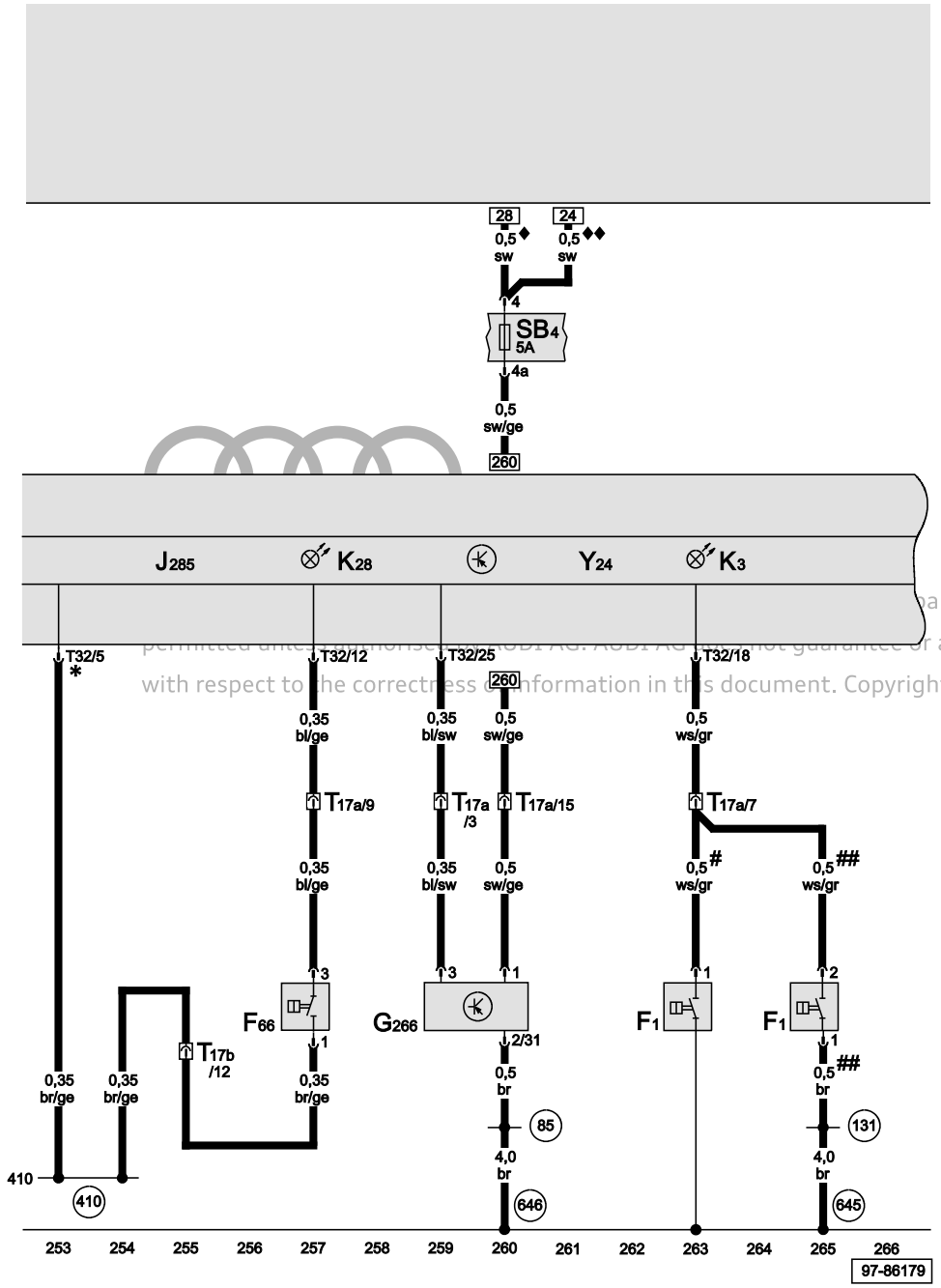


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Fuel pump control unit, control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sender, fuel gauge, fuel gauge sender

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J538	Fuel pump control unit
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive

ws	=	white
sw	=	black
ro	=	red
br	=	brown
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li	=	purple
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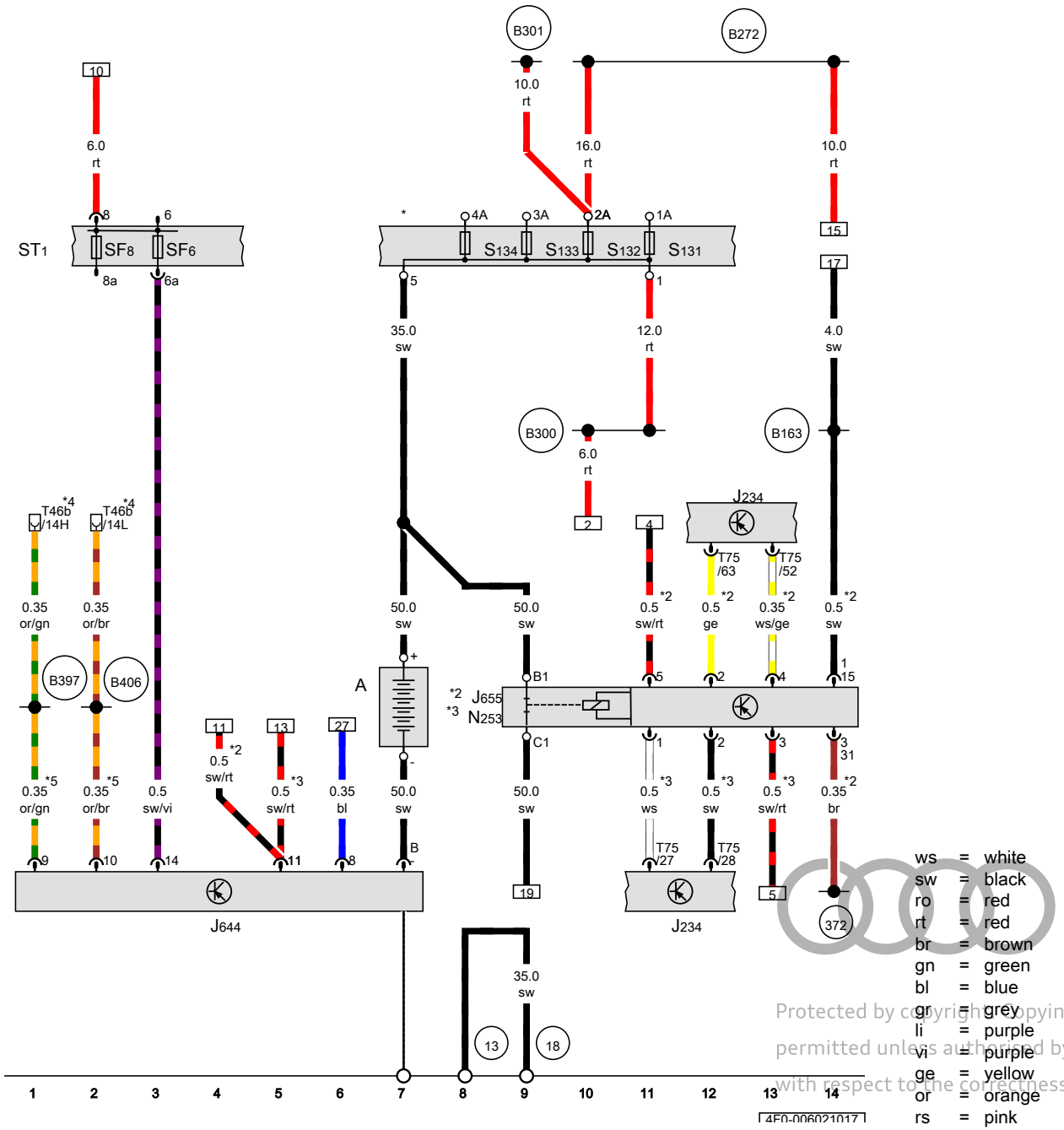
Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil level and oil temperature sender, oil pressure switch, coolant shortage indicator switch

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 in fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
85	Earth connection 1, in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
*	output sender earth
#	up to model year 2005
##	from model year 2006
♦	up to October 2005
♦♦	from November 2005

6-cylinder diesel engine , BMK,BNG,BPP,BSG

From June 2004

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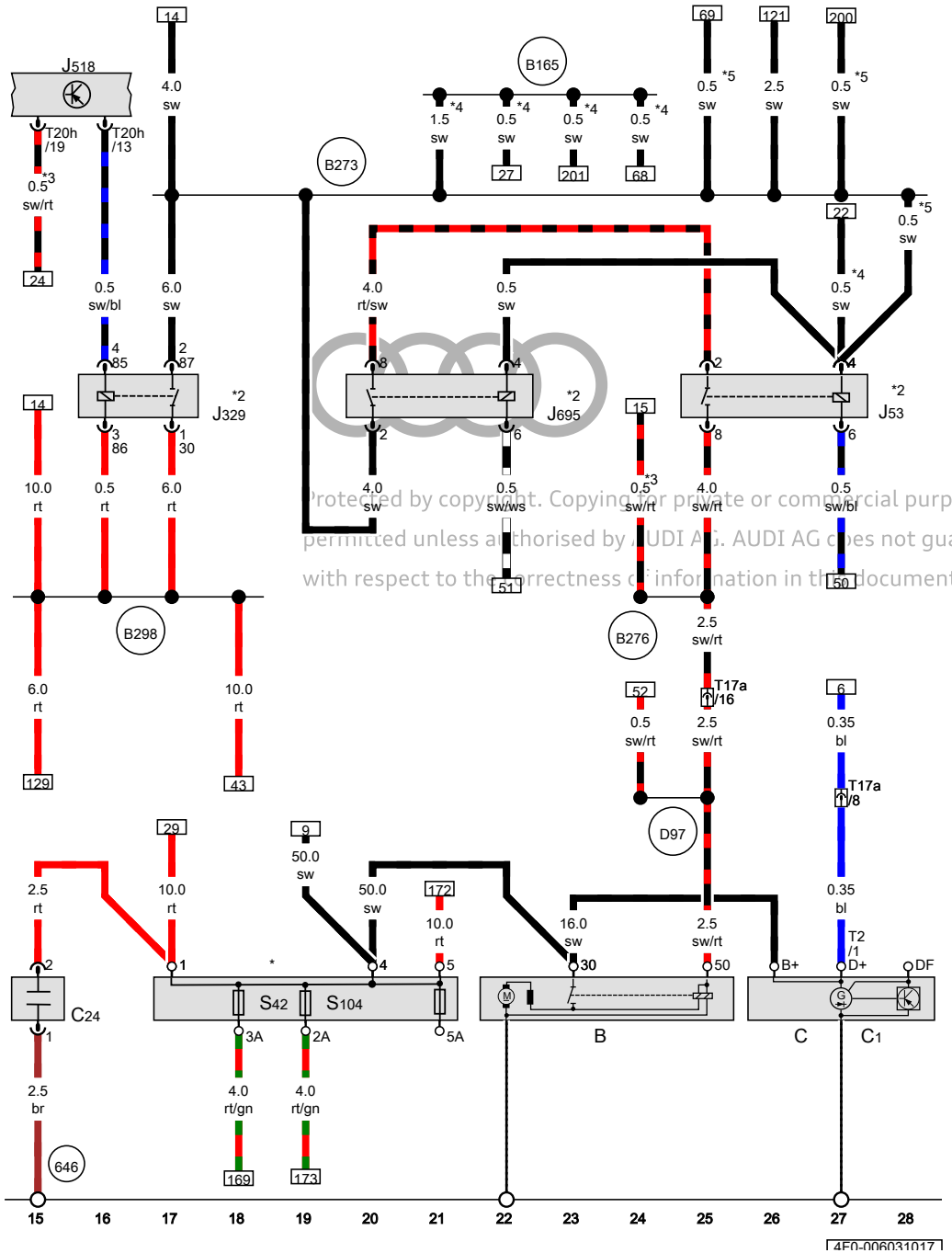


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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Battery, Energy management control unit, Battery cut-off relay, Battery isolation igniter

A	Battery
J234	Airbag control unit
J644	Energy management control unit
J655	Battery cut-off relay
N253	Battery isolation igniter
ST1	Fuse carrier 1
SF6	Fuse 6 in fuse holder F
SF8	Fuse 8 in fuse holder F
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
T46b	46-pin connector, right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point, on cylinder block
372	Earth connection 7, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
*	Relay and fuse carrier, on rear right in luggage compartment
*2	Up to June 2004
*3	From July 2004
*4	see applicable current flow diagram for CAN separating connector
*5	Data bus wire (CAN bus)

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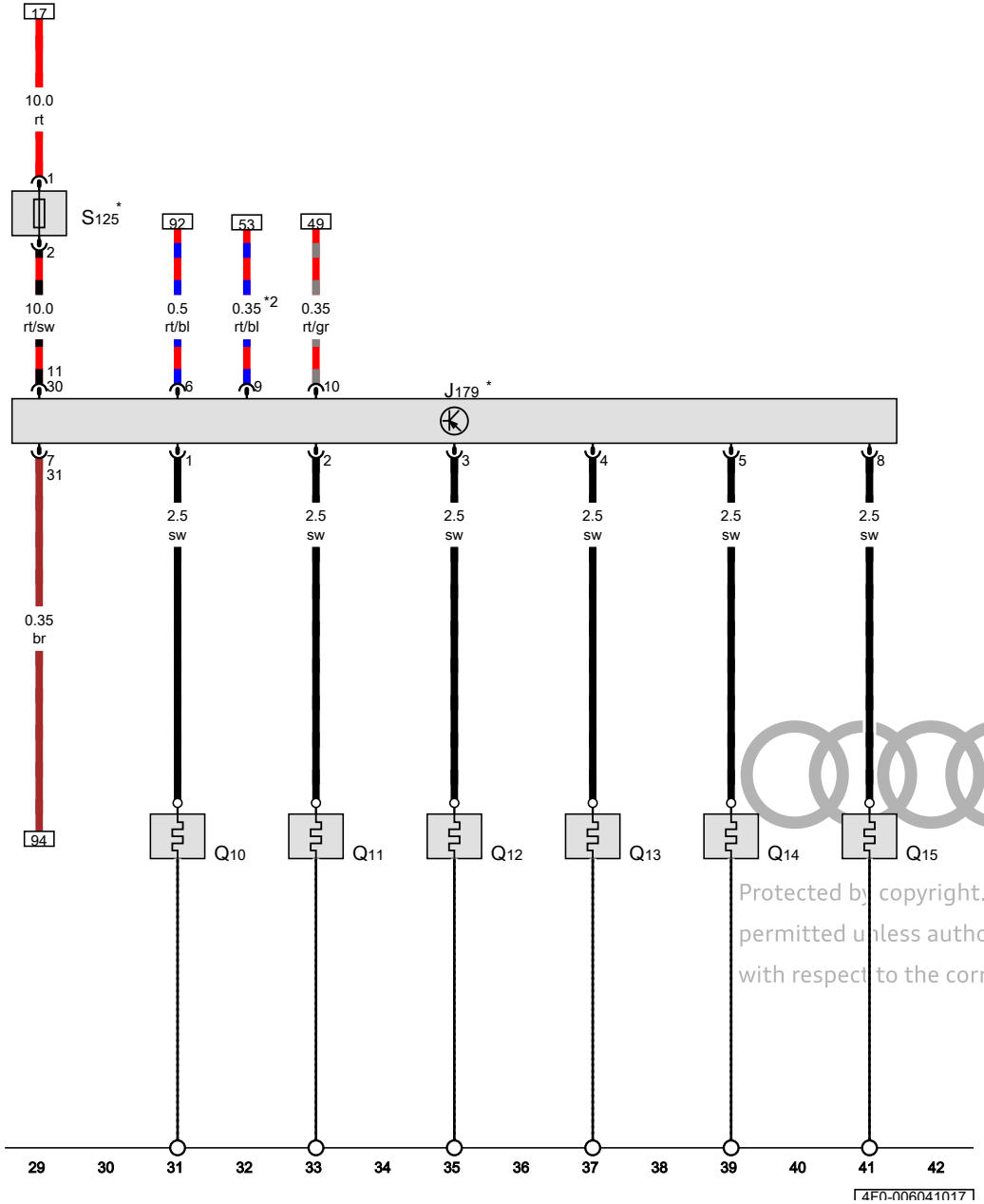
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br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Starter, Alternator, Suppression filter, Starter motor relay, Terminal 15 voltage supply relay, Starter motor relay 2

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T20h	20-pin connector, black, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B276	Positive connection (50), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier, in E-box on right of plenum chamber
*2	Relay carrier on left under dash panel
*3	Up to December 2005
*4	From November 2005
*5	Up to October 2005

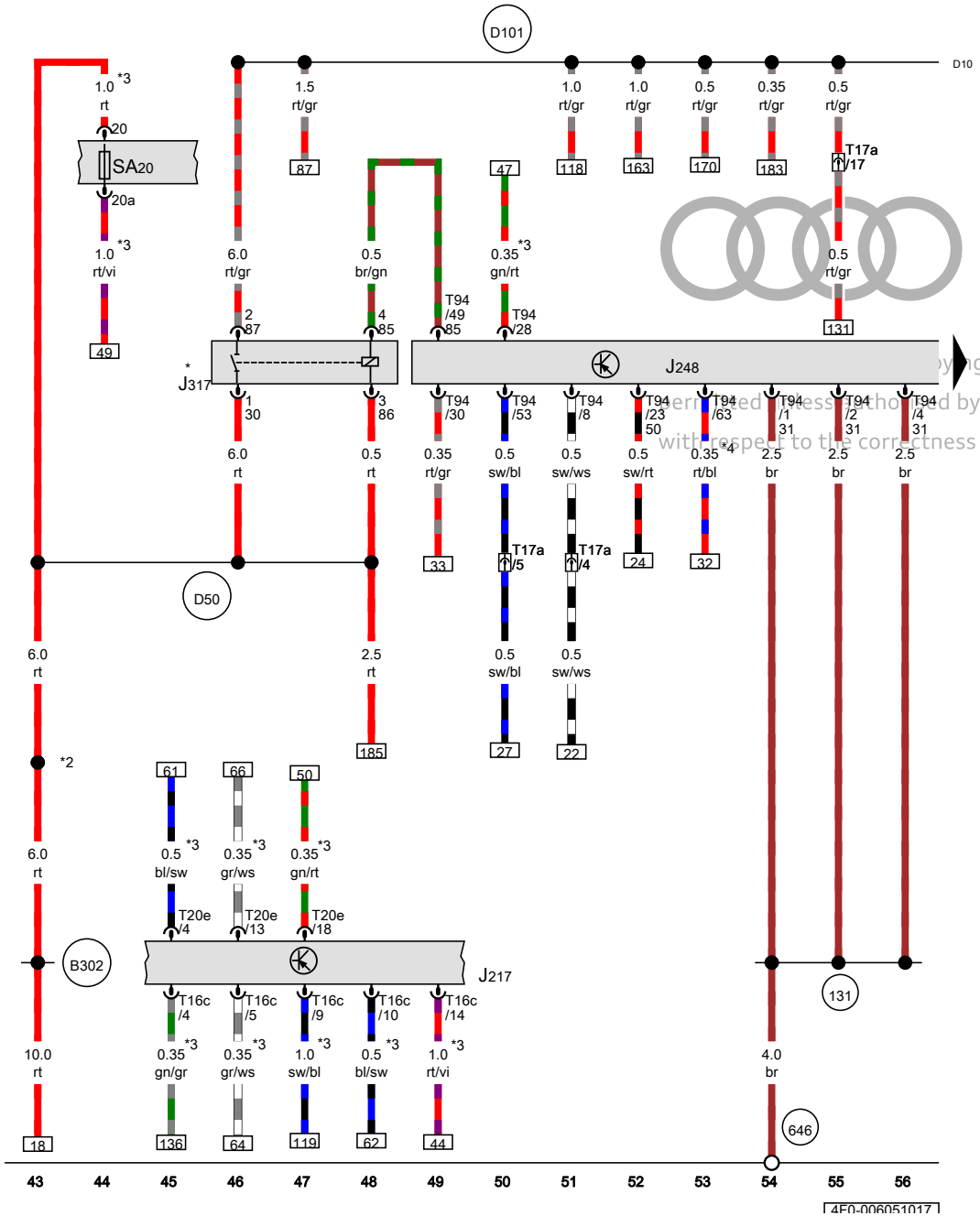
Automatic glow period control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Glow plug 5, Glow plug 6

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
S125	Glow plug fuse
*	Main fuse carrier, in E-box on right of plenum chamber
*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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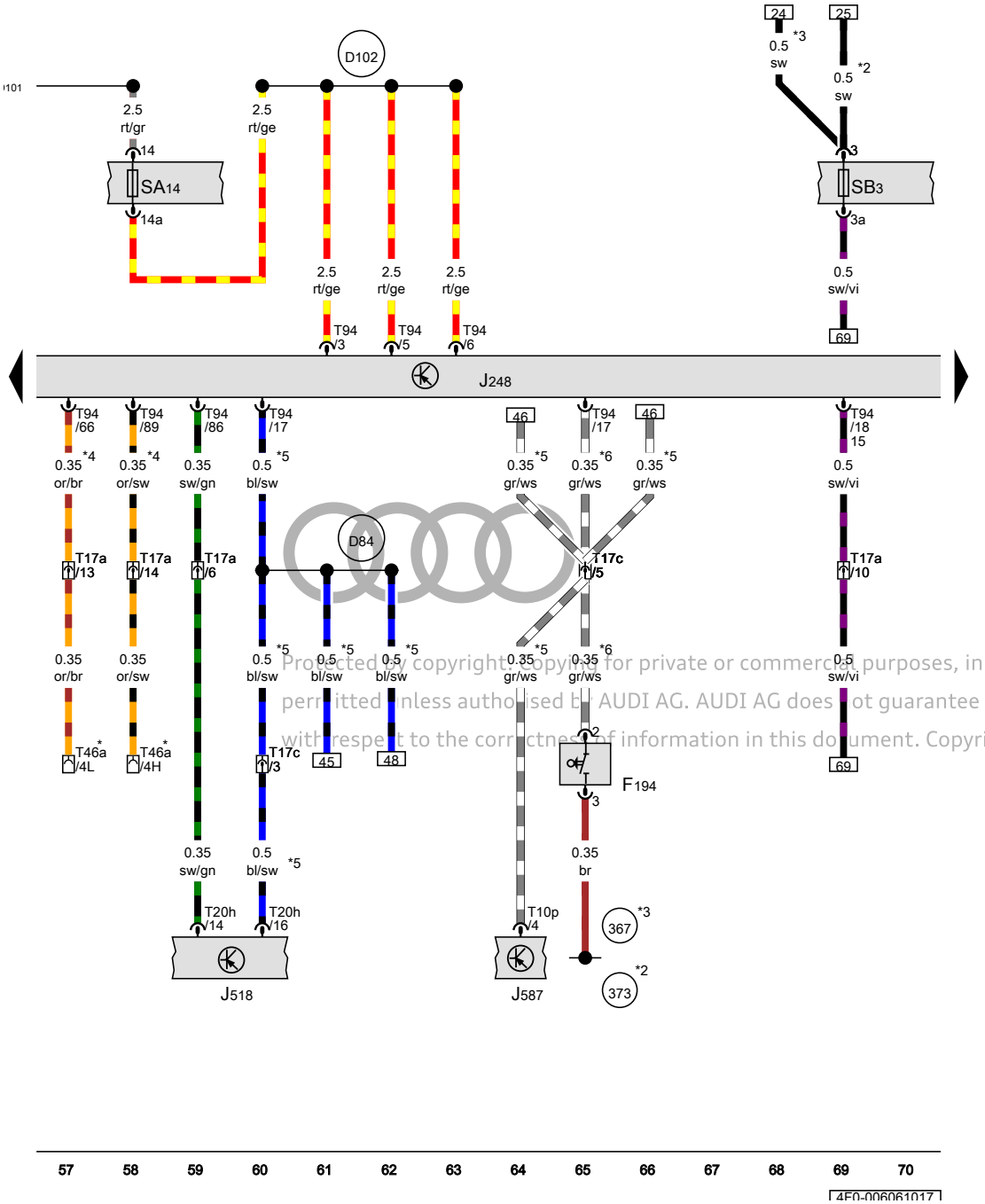


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Diesel direct injection system control unit, Terminal 30 voltage supply relay

J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J317	Terminal 30 voltage supply relay
SA20	Fuse 20 on fuse holder A
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94	94-pin connector, black, on diesel direct injection system control unit
131	Earth connection 2, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	Threaded connection, in E-box in plenum chamber
*3	see applicable current flow diagram for automatic gearbox
*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



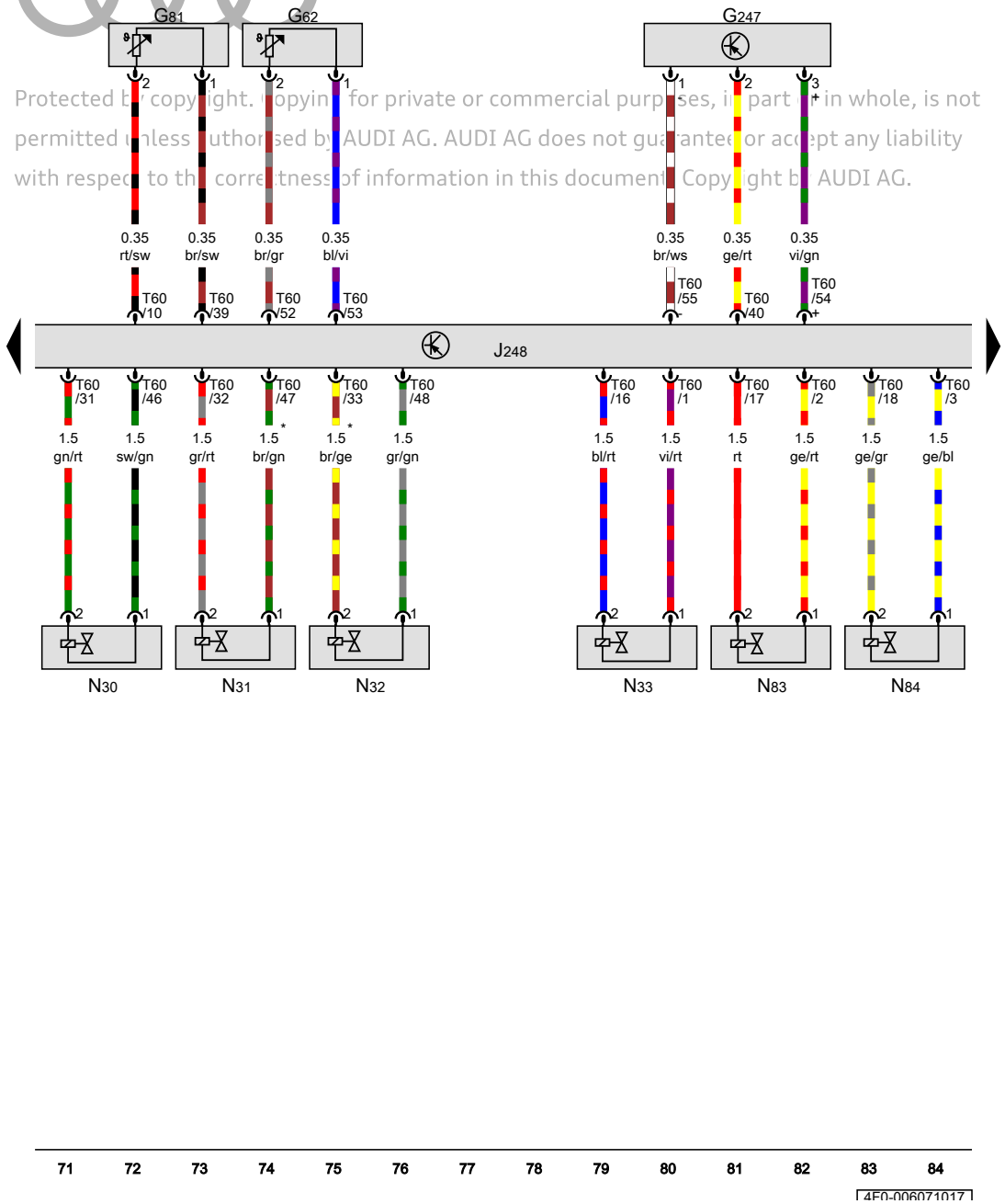
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gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Clutch pedal switch for engine start, Diesel direct injection system control unit

F194	Clutch pedal switch for engine start
J248	Diesel direct injection system control unit
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
SB3	Fuse 3 on fuse holder B
SA14	Fuse 14 on fuse holder A
T10p	10-pin connector, black, on selector lever sensors control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T20h	20-pin connector, black, on entry and start authorisation switch
T46a	46-pin connector, left
T94	94-pin connector, black, on diesel direct injection system control unit
367	Earth connection 2, in main wiring harness
373	Earth connection 8, in main wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness
*	see applicable current flow diagram for CAN separating connector
*2	Up to October 2005
*3	From November 2005
*4	Data bus wire (CAN bus)
*5	see applicable current flow diagram for automatic gearbox
*6	For models with manual gearbox

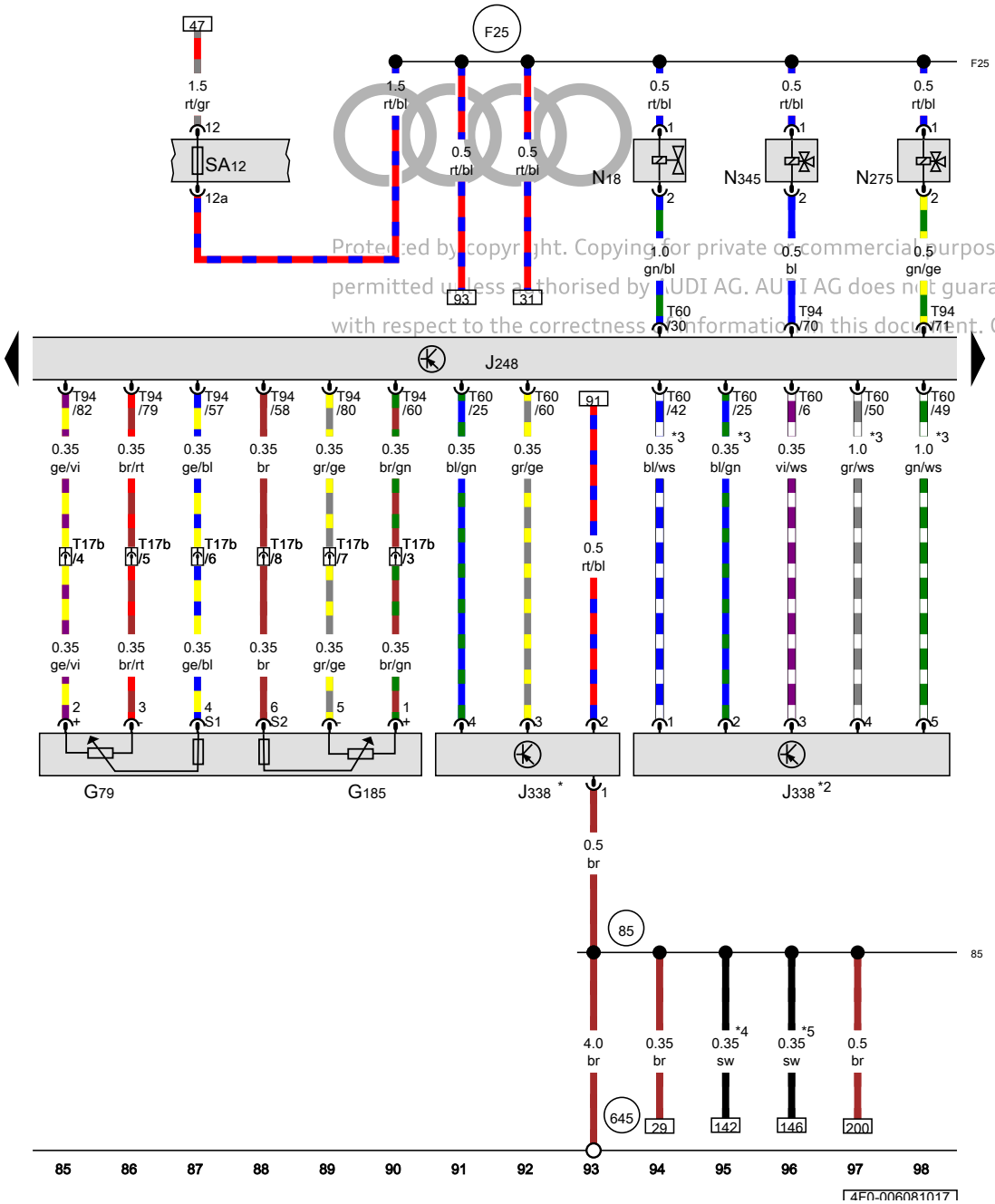
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Coolant temperature sender, Fuel temperature sender, Fuel pressure sender, Diesel direct injection system control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Injector, cylinder 6

G62	Coolant temperature sender
G81	Fuel temperature sender
G247	Fuel pressure sender
J248	Diesel direct injection system control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
T60	60-pin connector, black, on diesel direct injection system control unit
*	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

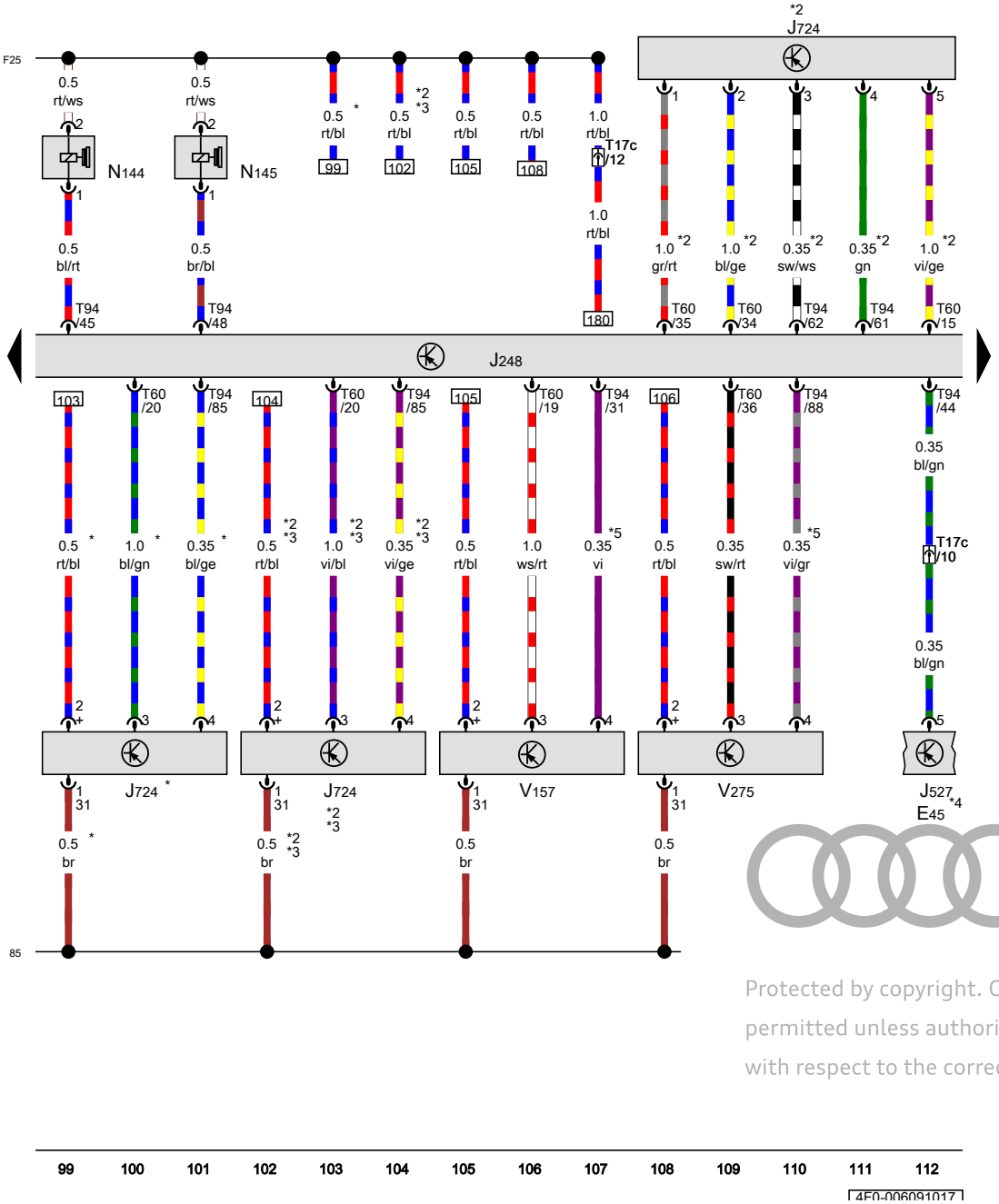


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Accelerator position sender, Accelerator position sender 2, Diesel direct injection system control unit, Throttle valve module, Exhaust gas recirculation valve, Air filter bypass flap valve, Exhaust gas recirculation cooler changeover valve

G79	Accelerator position sender
G185	Accelerator position sender 2
J248	Diesel direct injection system control unit
J338	Throttle valve module
N18	Exhaust gas recirculation valve
N275	Air filter bypass flap valve
N345	Exhaust gas recirculation cooler changeover valve
SA12	Fuse 12 on fuse holder A
T17b	17-pin connector, black, Coupling station, E-box on left in plenum chamber
T60	60-pin connector, black, on diesel direct injection system control unit
T94	94-pin connector, black, on diesel direct injection system control unit
85	Earth connection 1, in engine compartment wiring harness
645	Earth point 1, on bulkhead
F25	Connection 1, in diesel direct injection system wiring harness
*	Up to October 2005
*2	From November 2005
*3	Wiring colour depends on equipment
*4	For models with manual gearbox
*5	see applicable current flow diagram for automatic gearbox

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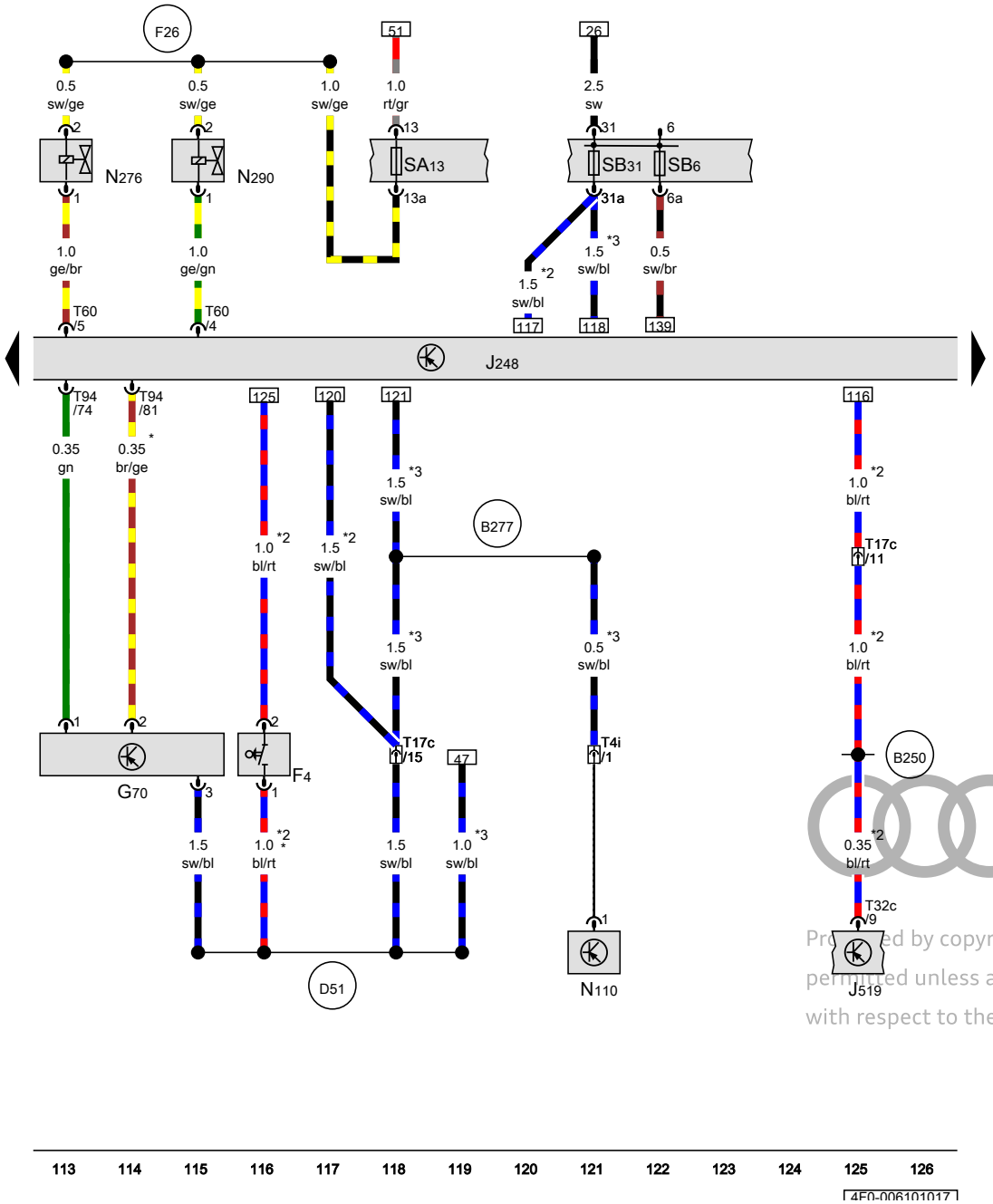


Diesel direct injection system control unit, Turbocharger 1 control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve, Intake manifold flap motor, Intake manifold flap 2 motor

E45	Cruise control system switch
J248	Diesel direct injection system control unit
J527	Steering column electronics control unit
J724	Turbocharger 1 control unit
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T60	60-pin connector, black, on diesel direct injection system control unit
T94	94-pin connector, black, on diesel direct injection system control unit
V157	Intake manifold flap motor
V275	Intake manifold flap 2 motor
85	Earth connection 1, in engine compartment wiring harness
F25	Connection 1, in diesel direct injection system wiring harness
*	Up to October 2005
*2	From November 2005
*3	For models with 3.0l engine
*4	For models with cruise control system
*5	Wiring colour depends on equipment

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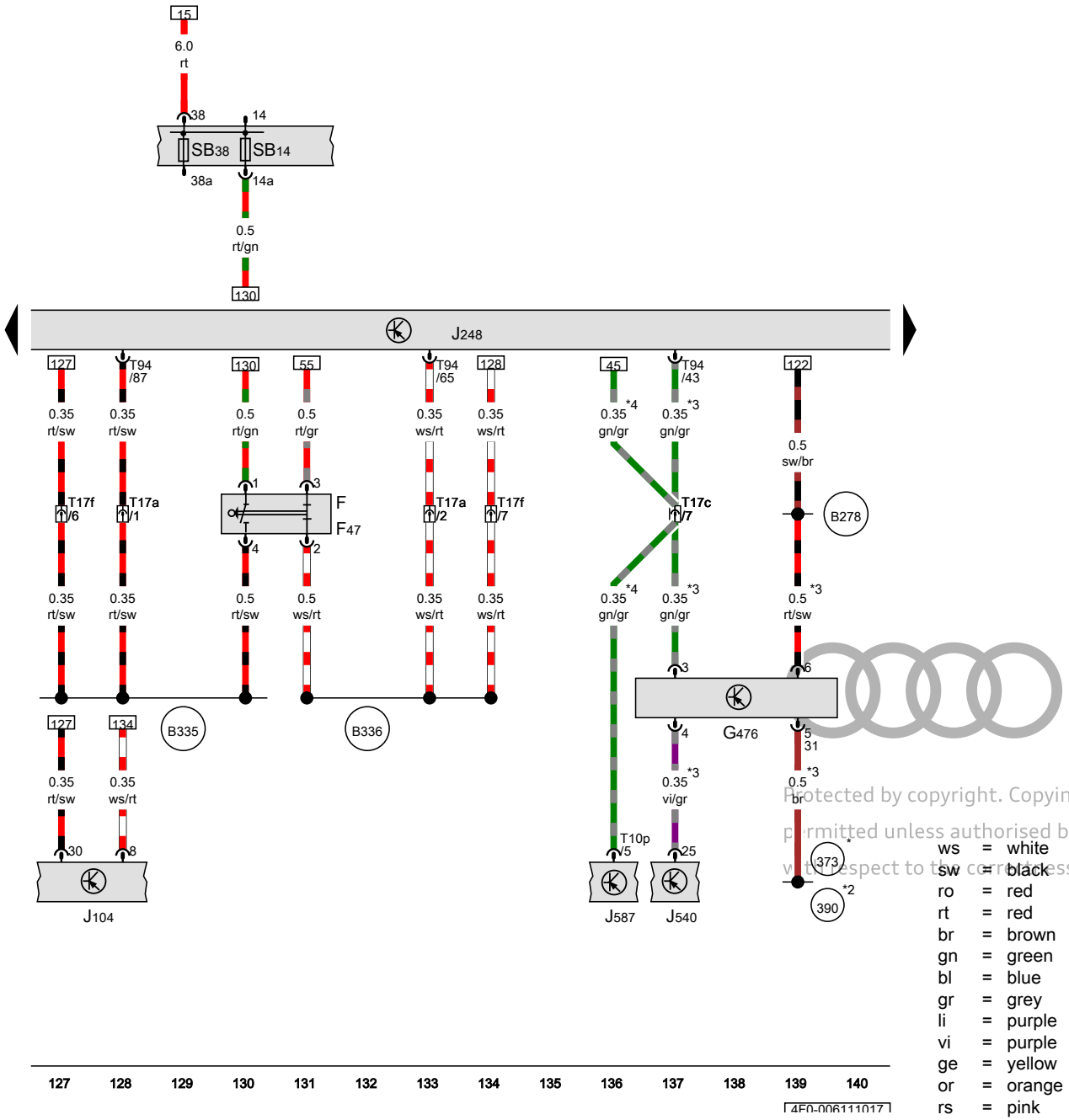


Reversing light switch, Air mass meter, Diesel direct injection system control unit, Fuel pressure regulating valve, Fuel metering valve

F4	Reversing light switch
G70	Air mass meter
J248	Diesel direct injection system control unit
J519	Onboard supply control unit
N110	Selector lever lock solenoid
N276	Fuel pressure regulating valve
N290	Fuel metering valve
SB6	Fuse 6 on fuse holder B
SA13	Fuse 13 on fuse holder A
SB31	Fuse 31 on fuse holder B
T4i	4-pin connector, black, on selector lever bracket
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T32c	32-pin connector, white, on onboard supply control unit
T60	60-pin connector, black, on diesel direct injection system control unit
T94	94-pin connector, black, on diesel direct injection system control unit
B250	Positive connection, in roof wiring harness
B277	Positive connection 1 (15a) in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
F26	Connection 2, in diesel direct injection system wiring harness
*	Wiring colour depends on equipment
*2	For models with manual gearbox
*3	see applicable current flow diagram for automatic gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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Brake light switch, Brake pedal switch, Clutch position sender, Diesel direct injection system control unit

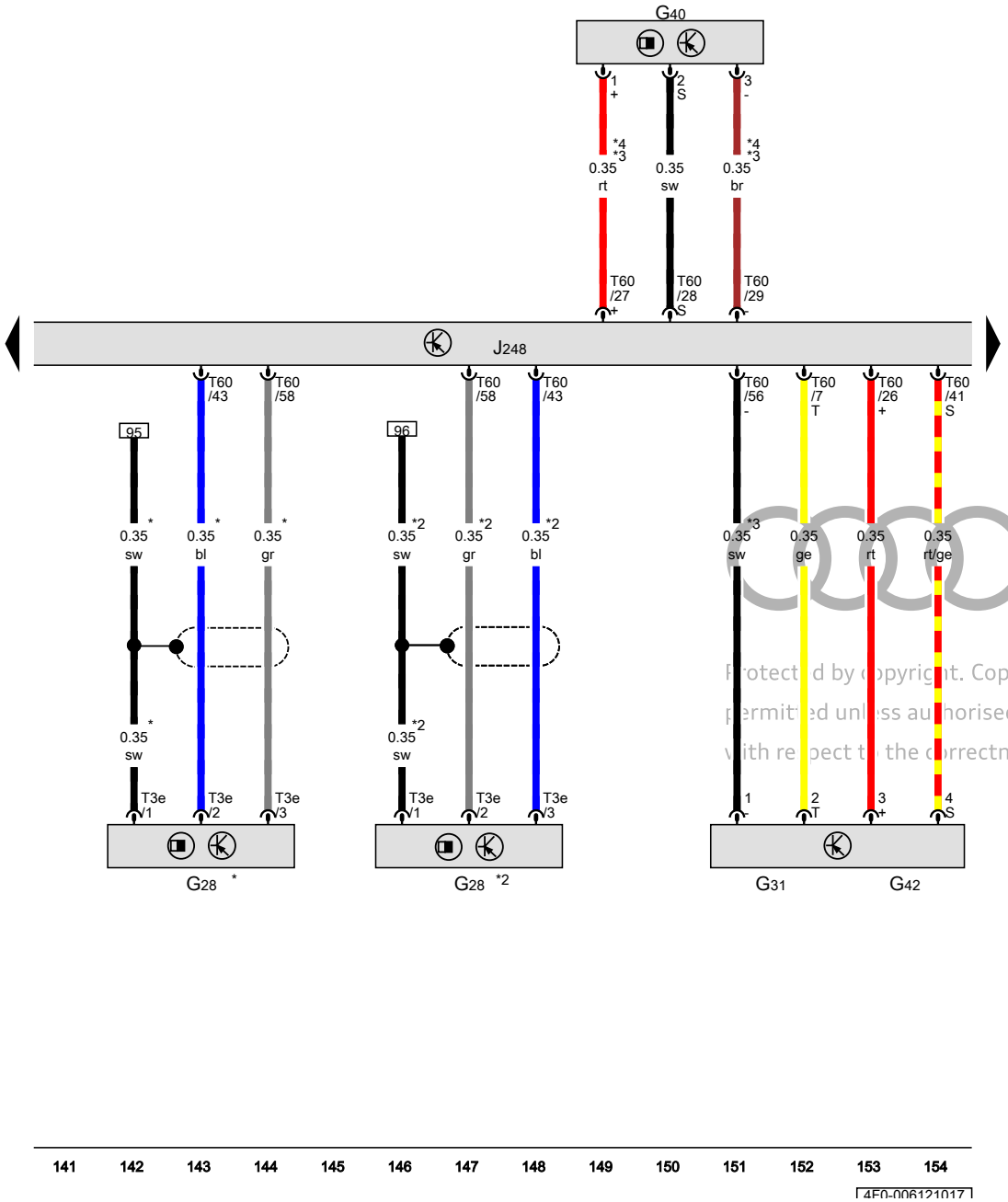
F	Brake light switch
F47	Brake pedal switch
G476	Clutch position sender
J104	ABS control unit
J248	Diesel direct injection system control unit
J540	Control unit for electromechanical parking brake
J587	Selector lever sensors control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T10p	10-pin connector, black, on selector lever sensors control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T17f	17-pin connector, green, in left A-pillar coupling station
T94	94-pin connector, black, on diesel direct injection system control unit
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a) in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
*	Up to October 2005
*2	From November 2005
*3	For models with manual gearbox
*4	see applicable current flow diagram for automatic gearbox

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rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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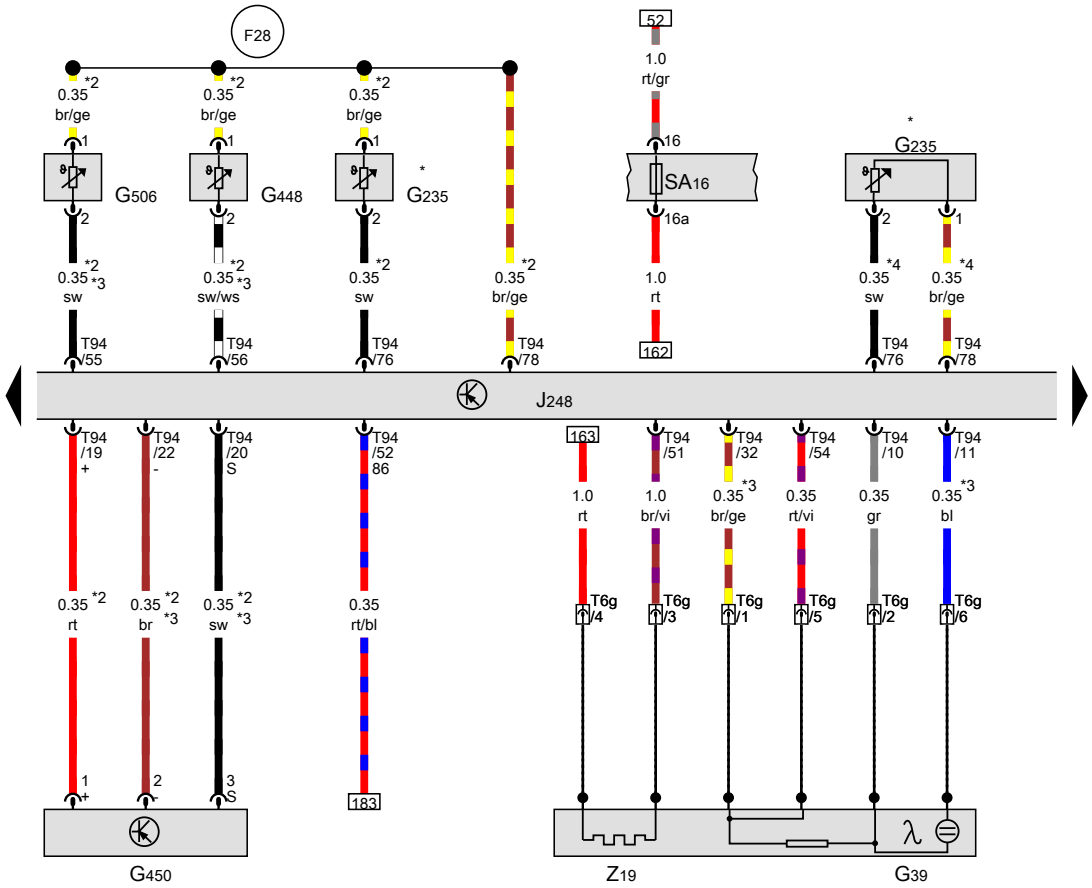
Engine speed sender, Charge pressure sender, Hall sender, Intake air temperature sender, Diesel direct injection system control unit

G28	Engine speed sender
G31	Charge pressure sender
G40	Hall sender
G42	Intake air temperature sender
J248	Diesel direct injection system control unit
T3e	3-pin connector, grey, on engine speed sender
T60	60-pin connector, black, on diesel direct injection system control unit
*	For models with manual gearbox
*2	see applicable current flow diagram for automatic gearbox
*3	Wiring colour depends on equipment
*4	Cross section depends on equipment



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Lambda probe, Exhaust gas temperature sender 1, Exhaust gas temperature sender 2, Exhaust gas pressure sensor 1, Temperature sender before particulate filter, Diesel direct injection system control unit

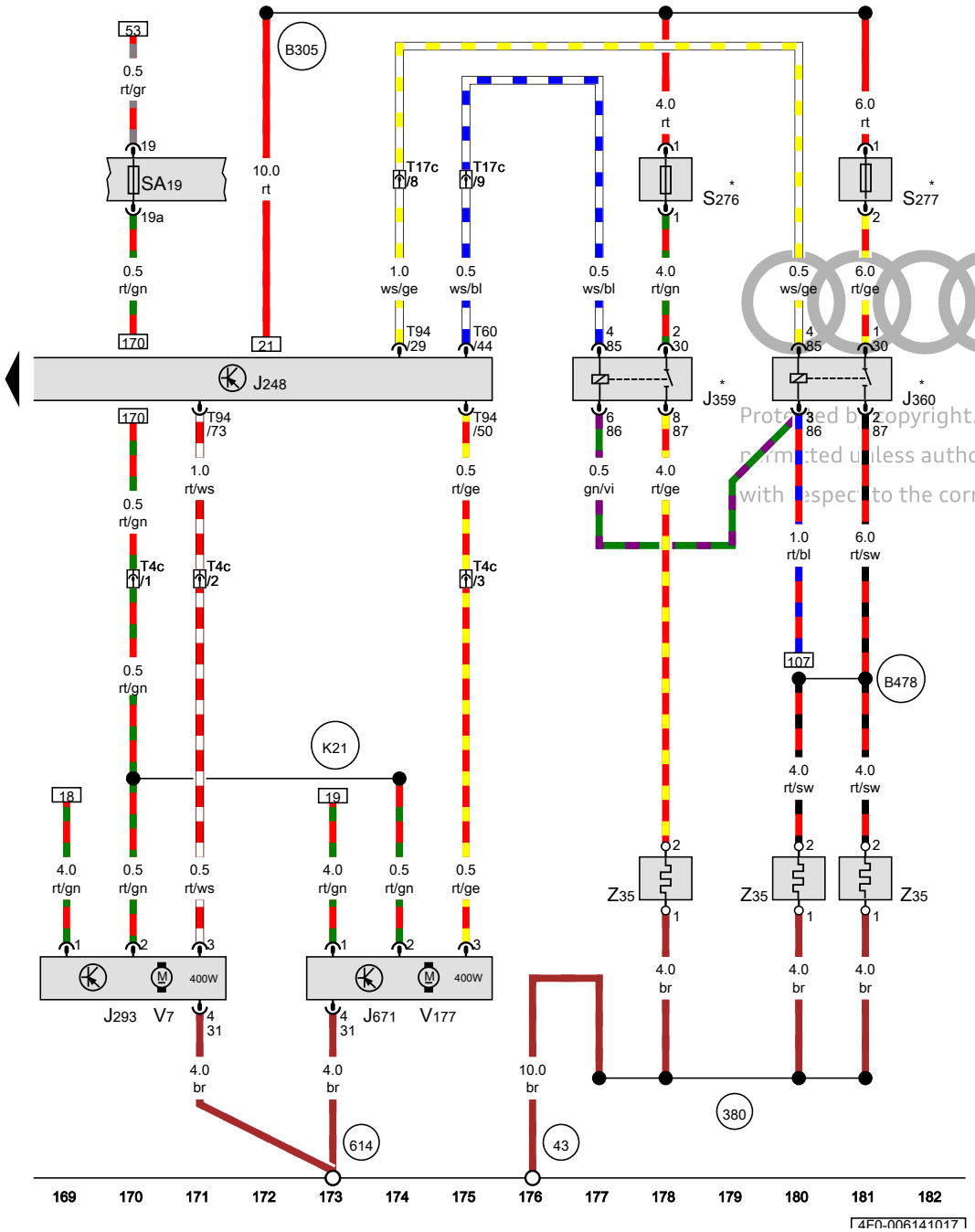
G39	Lambda probe
G235	Exhaust gas temperature sender 1
G448	Exhaust gas temperature sender 2
G450	Exhaust gas pressure sensor 1
G506	Temperature sender before particulate filter
J248	Diesel direct injection system control unit
SA16	Fuse 16 on fuse holder A
T6g	6-pin connector, brown, on Lambda probe before catalytic converter
T94	94-pin connector, black, on diesel direct injection system control unit
Z19	Lambda probe heater
F28	Connection 3, in diesel direct injection system wiring harness
*	For models with 3.0l engine
*2	For models with diesel particulate filter
*3	Wiring colour depends on equipment
*4	For models with no diesel particulate filter or with no preparation for diesel particulate filter

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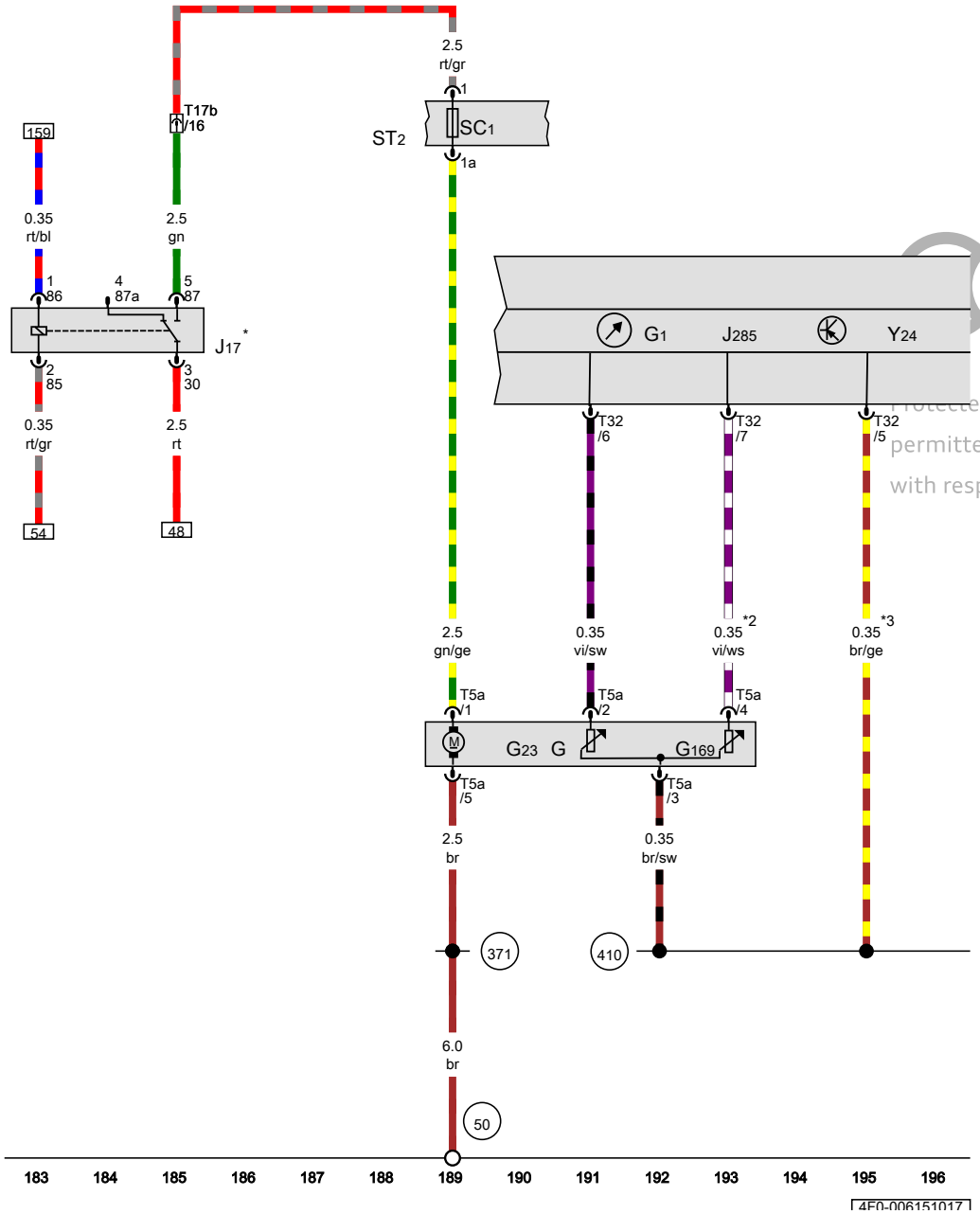


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Diesel direct injection system control unit, Radiator fan control unit, Low heat output relay, High heat output relay, Radiator fan control unit 2, Auxiliary air heater element

J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J359	Low heat output relay
J360	High heat output relay
J671	Radiator fan control unit 2
SA19	Fuse 19 on fuse holder A
S276	Heater element fuse 1
S277	Heater element fuse 2
T4c	4-pin connector, black, Coupling station, E-box on right in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T60	60-pin connector, black, on diesel direct injection system control unit
T94	94-pin connector, black, on diesel direct injection system control unit
V7	Radiator fan
V177	Radiator fan 2
Z35	Auxiliary air heater element
43	Earth point, lower part of right A-pillar
380	Earth connection 15, in main wiring harness
614	Earth point 2, on right in engine compartment
B305	Positive connection 9 (30), in main wiring harness
B478	Connection 14, in main wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Relay carrier, on steering cross member

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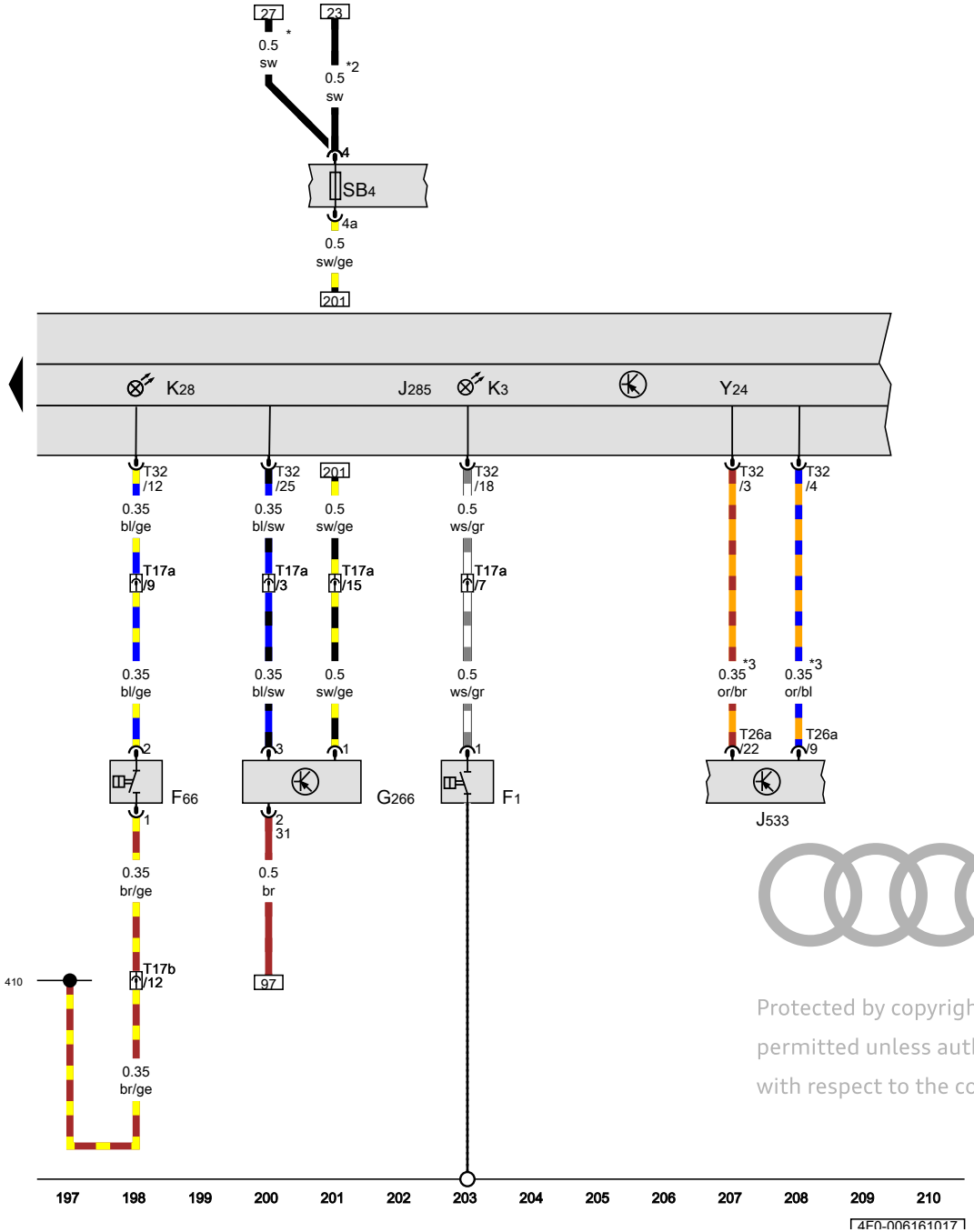


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Fuel gauge sender, Fuel gauge, Fuel pump, Fuel pump relay, Control unit in dash panel insert, Display in dash panel insert

G	Fuel gauge sender
G1	Fuel gauge
G23	Fuel pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
SC1	Fuse 1 on fuse holder C
ST2	Fuse carrier 2
T5a	5-pin connector, black, on fuel tank
T17b	17-pin connector, black, Coupling station, E-box on left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
50	Earth point, on left in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	For models with all-wheel drive
*3	Output for sender earth

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Oil pressure switch, Coolant shortage indicator switch, Oil level and oil temperature sender, Control unit in dash panel insert, Oil pressure warning lamp, Coolant temperature and coolant shortage warning lamp, Display in dash panel insert

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17b	17-pin connector, black, Coupling station, E-box on left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth) in main wiring harness
*	Up to October 2005
*2	From November 2005
*3	Data bus wire (CAN bus)

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Trailer towing attachment

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

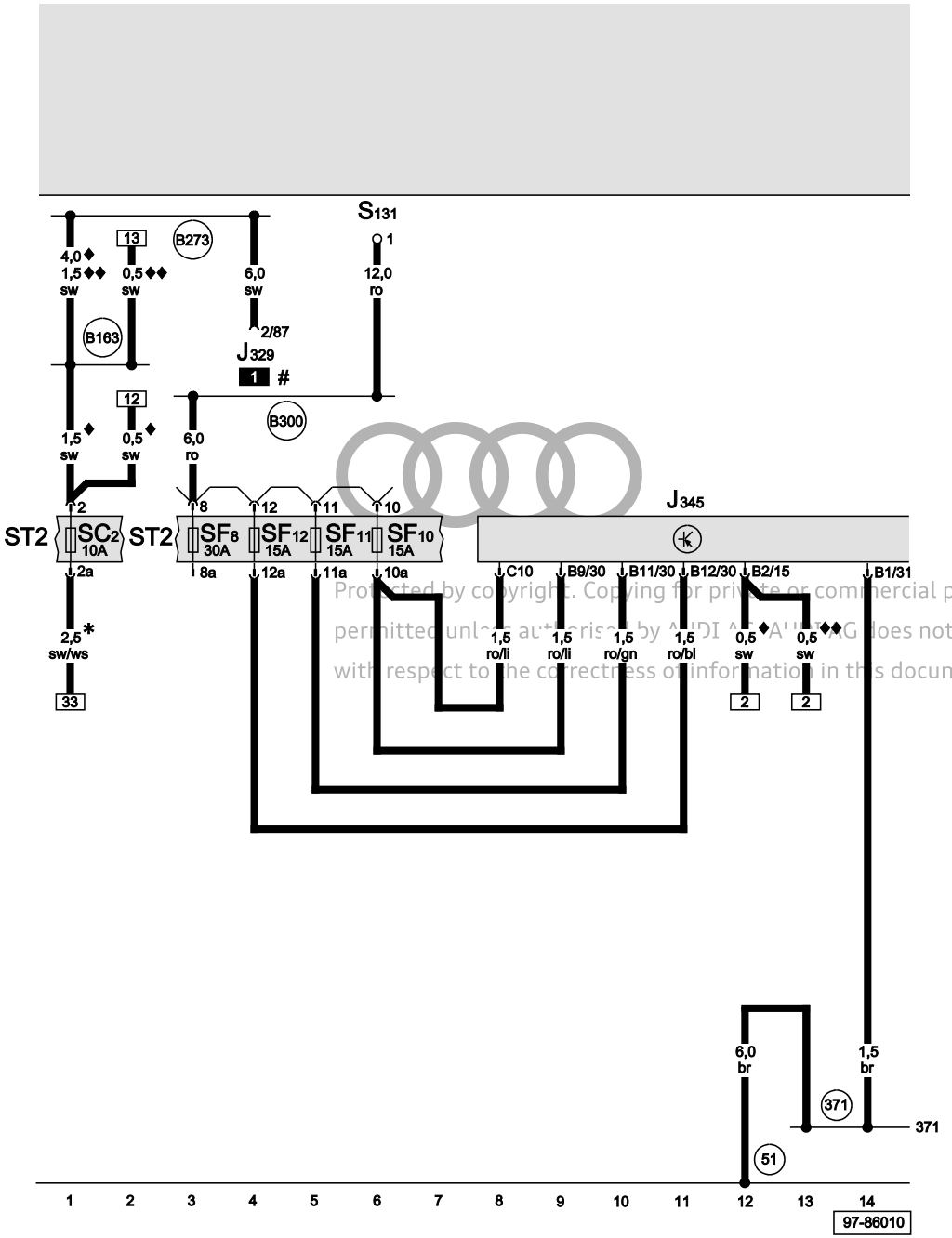
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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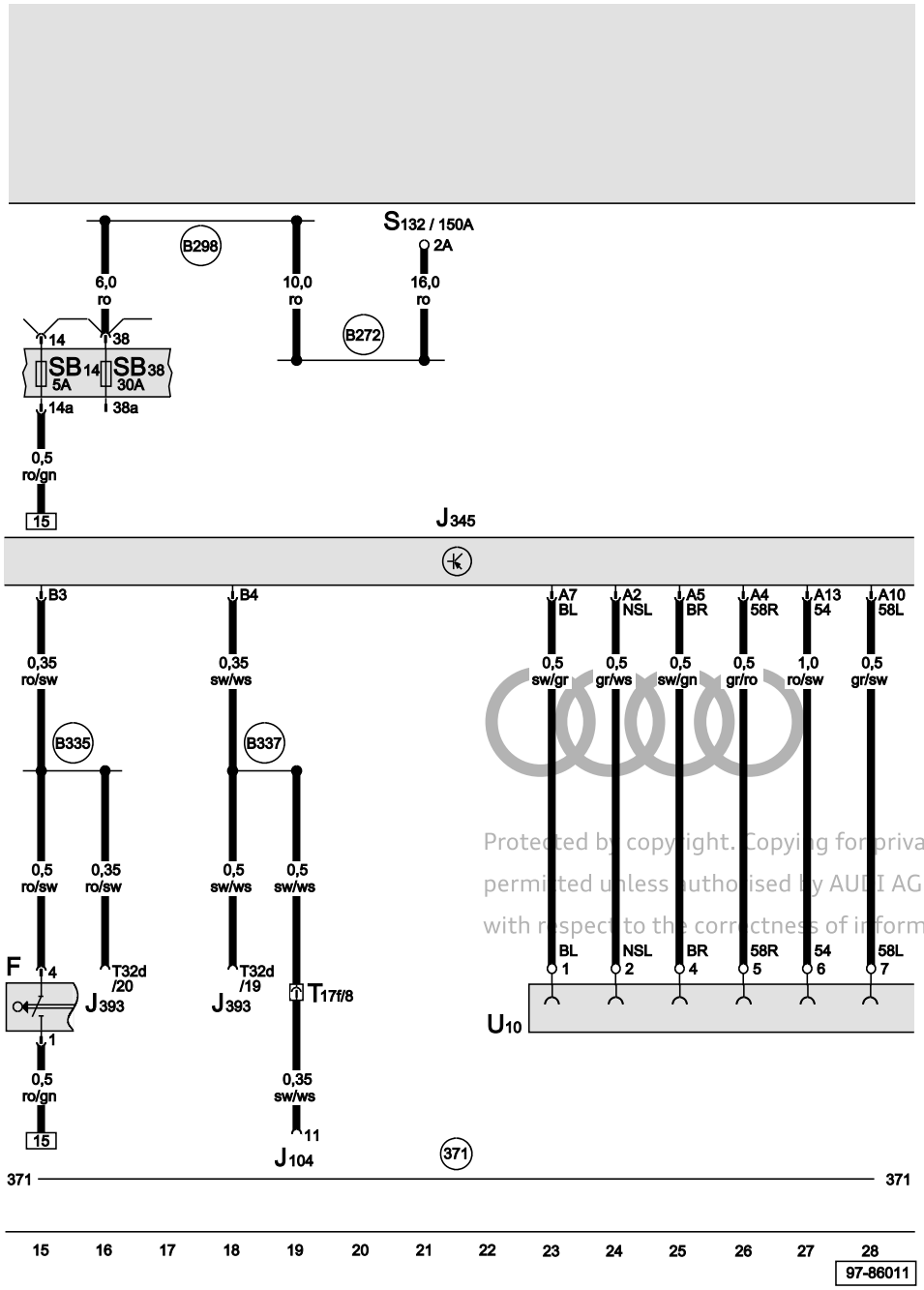


Trailer detector control unit, fuses

J329	Terminal 15 voltage supply relay
J345	Trailer detector control unit
S131	Fuse 1
SC2	Fuse 2 on fuse holder
SF8	Fuse 8 on fuse holder
SF10	Fuse 10 on fuse holder
SF11	Fuse 11 on fuse holder
SF12	Fuse 12 on fuse holder
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
#	9-point relay carrier, behind driver storage compartment
*	no longer fitted, phased from October 2004
◆	up to October 2005
◆◆	from November 2005

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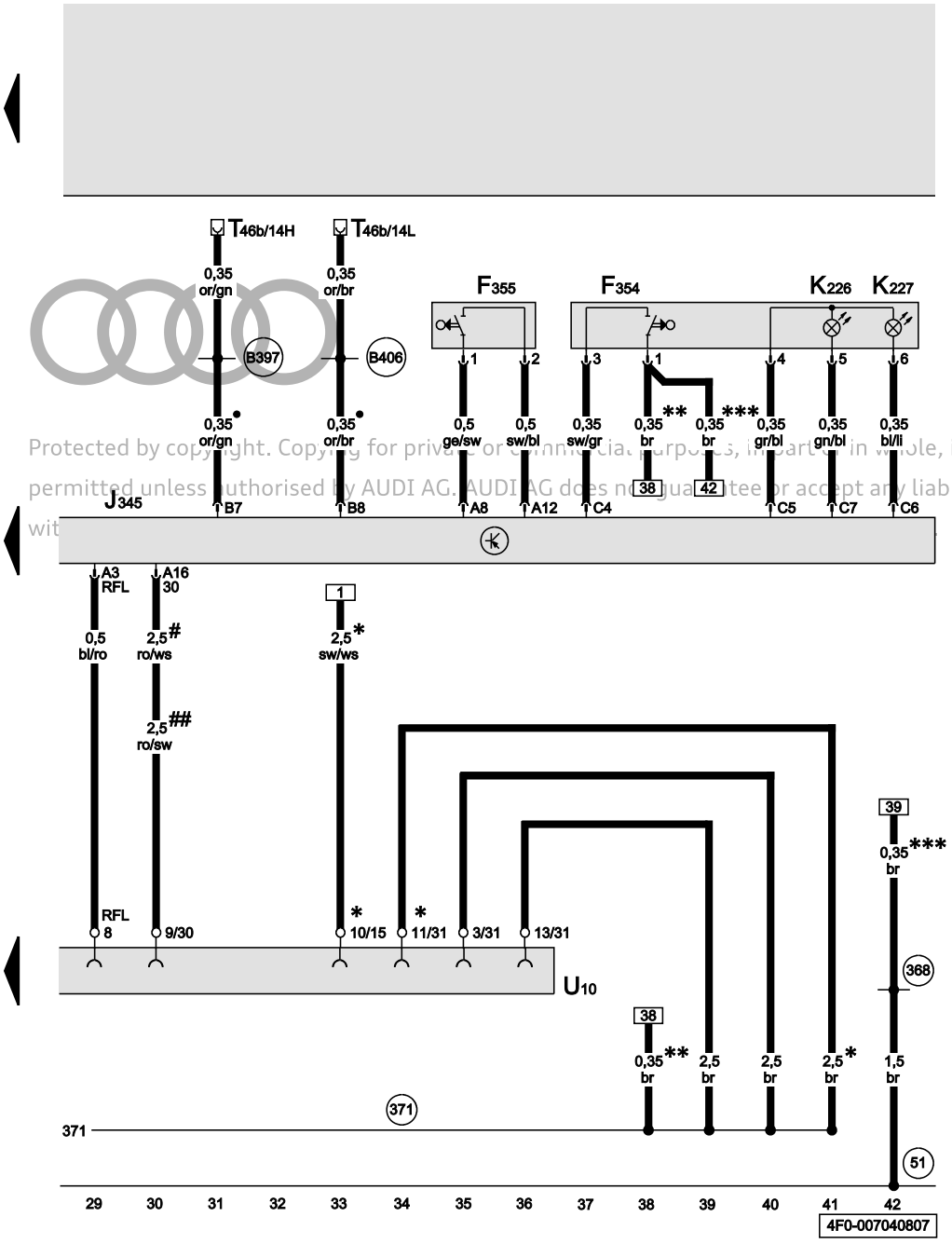
Trailer detector control unit, trailer socket

F	Brake light switch
J104	ABS control unit
J345	Trailer detector control unit
J393	Convenience system central control unit
S132	Fuse 2
SB14	Fuse 14 on fuse holder
SB38	Fuse 38 on fuse holder
T17f	17-pin connector, green, coupling station on left of A-pillar
T32d	32-pin connector, white, connector B, on convenience system central control unit
U10	Trailer socket
371	Earth connection 6, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B335	Connection 1 (54), in main wiring harness
B337	Connection 3 (54), in main wiring harness

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Trailer detector control unit, trailer socket, contact switch on hand wheel, contact switch on locking pin, trailer towing attachment warning lamps



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F354	Contact switch on hand wheel
F355	Contact switch on locking pin
J345	Trailer detector control unit
K226	Trailer towing attachment locked warning lamp
K227	Trailer towing attachment released warning lamp
T46b	46-pin connector, CAN separating connector right
U10	Trailer socket
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, 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
•	CAN bus (data wire)
*	no longer fitted, phased from October 2004
**	up to October 2005
***	from November 2005
#	saloon models
##	Avant

Airbag

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

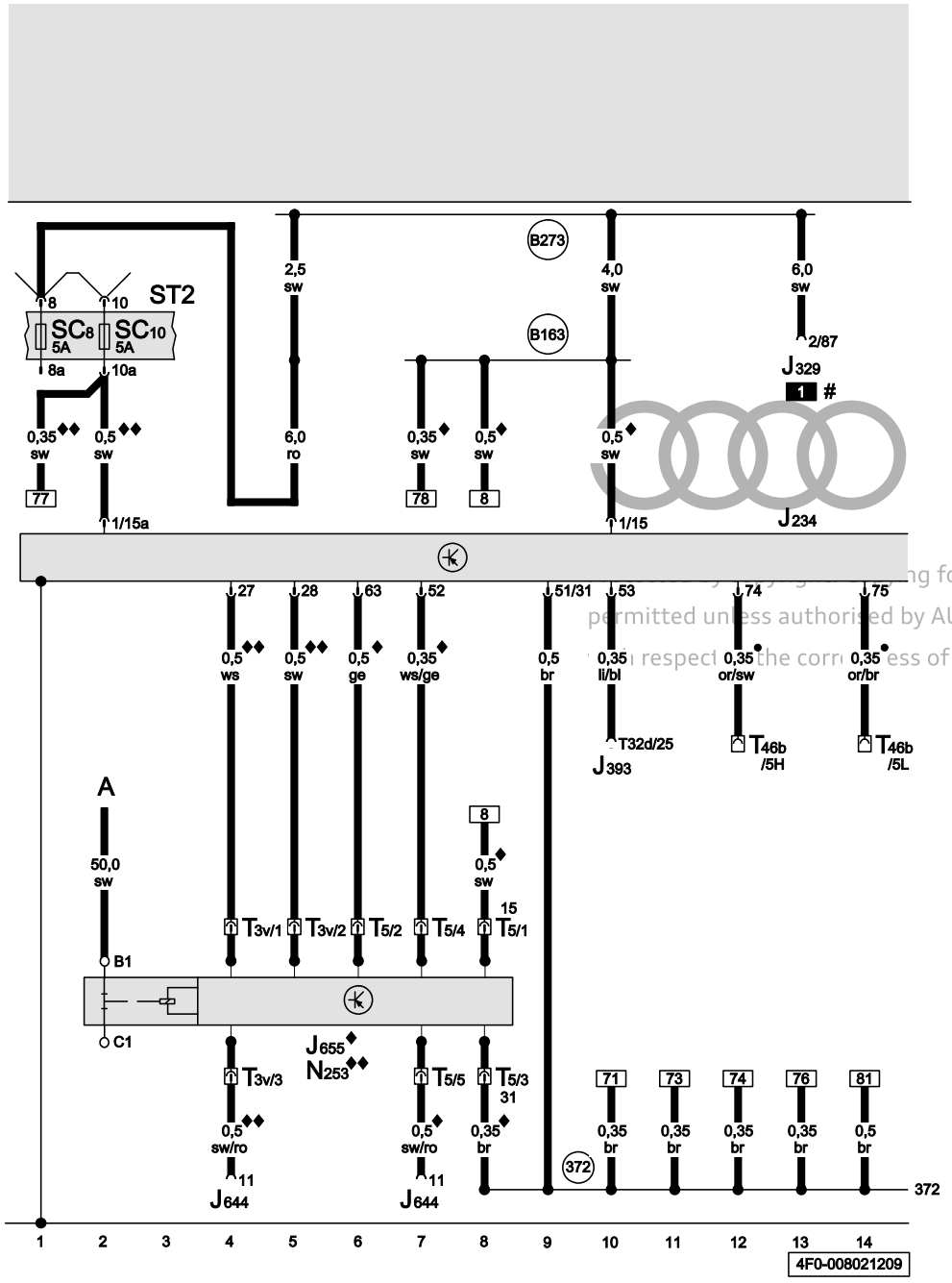
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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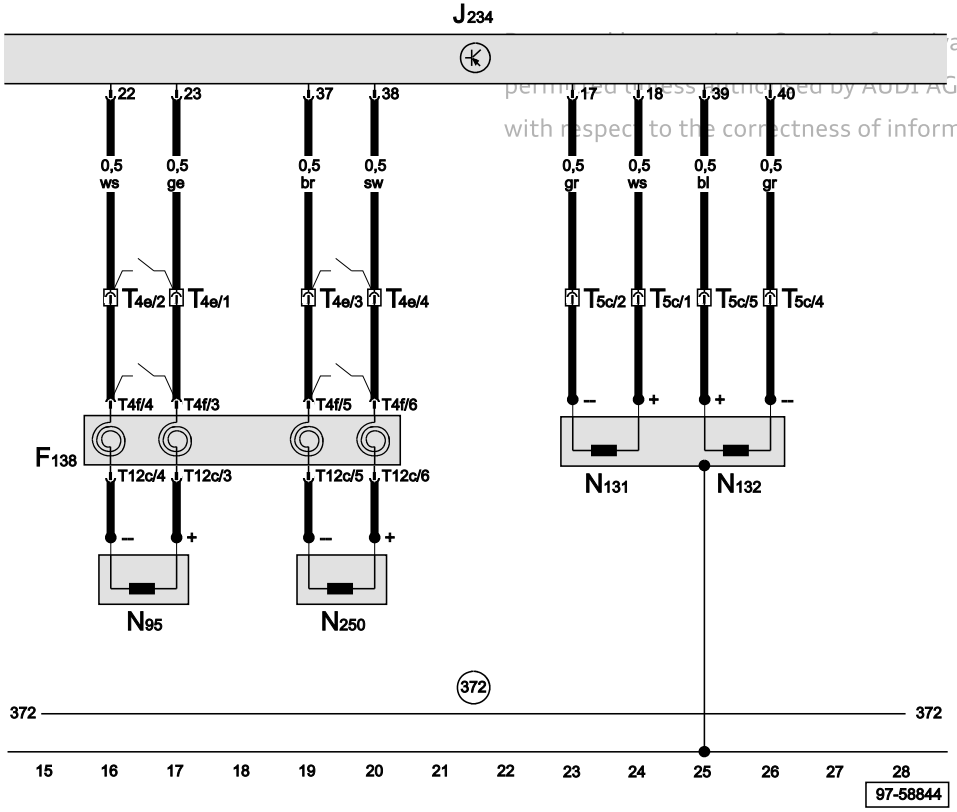


Airbag control unit, battery cut-off relay

A	Battery
J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
J644	Energy management control unit
J655	Battery cut-off relay
N253	Battery isolation igniter
SC8	Fuse 8 in fuse holder
SC10	Fuse 10 in fuse holder
T3v	3-pin connector, yellow, on relay and fuse carrier in luggage compartment, right
T5	5-pin connector, yellow, on relay and fuse carrier in luggage compartment, right
T32d	32-pin connector, white, connector B, on convenience system central control unit
T46b	46-pin connector, CAN disconnector right
372	Earth connection 7, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
•	CAN bus (data wire)
#	9-point relay carrier, behind driver storage compartment
◆	up to about June 2004
◆◆	from to about July 2004

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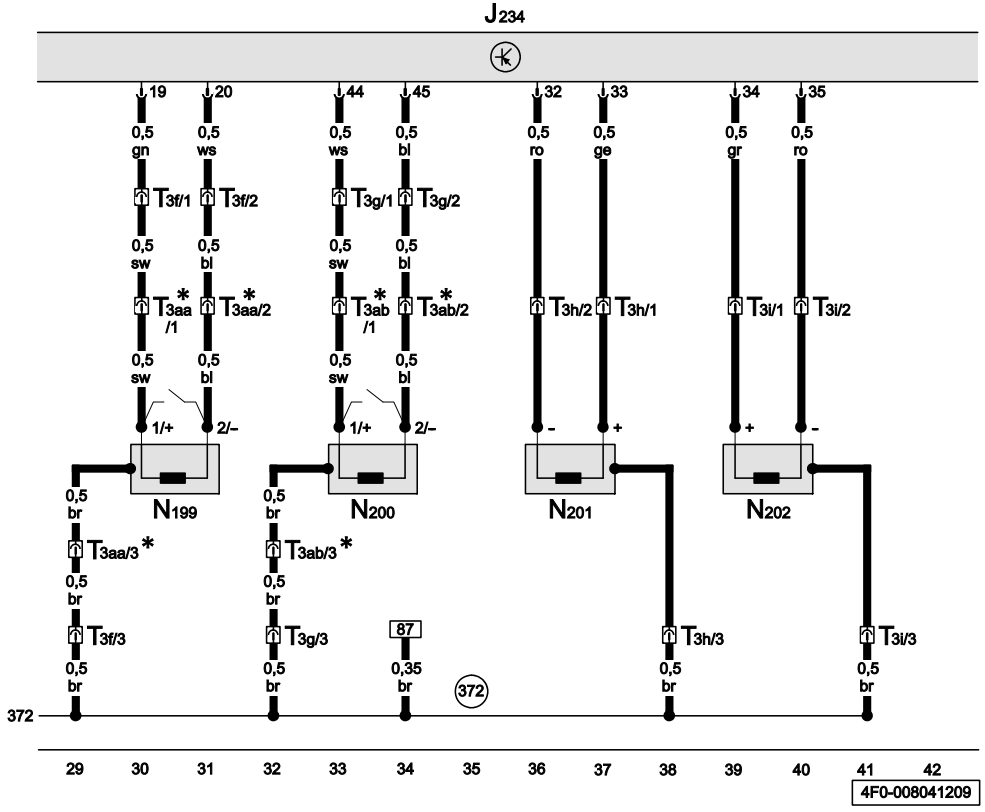


Airbag control unit, driver side airbag igniter, front passenger side airbag igniter

F138	Airbag coil connector and return spring with slip ring
J234	Airbag control unit
N95	Driver side airbag igniter
N131	Front passenger side airbag igniter 1
N132	Front passenger side airbag igniter 2
N250	Driver side airbag igniter 2
T4e	4-pin connector, yellow, behind steering column switch trim (airbag)
T4f	4-pin connector, yellow, behind steering column switch trim (coil connector)
T5c	5-pin connector, yellow, behind the dash panel, right
T12c	12-pin connector, yellow, on steering wheel
372	Earth connection 7, in main wiring harness
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/kurzbr_r.png" content-width="20pt" scaling="uniform"/>	short circuit bridge becomes effective when connector is unplugged

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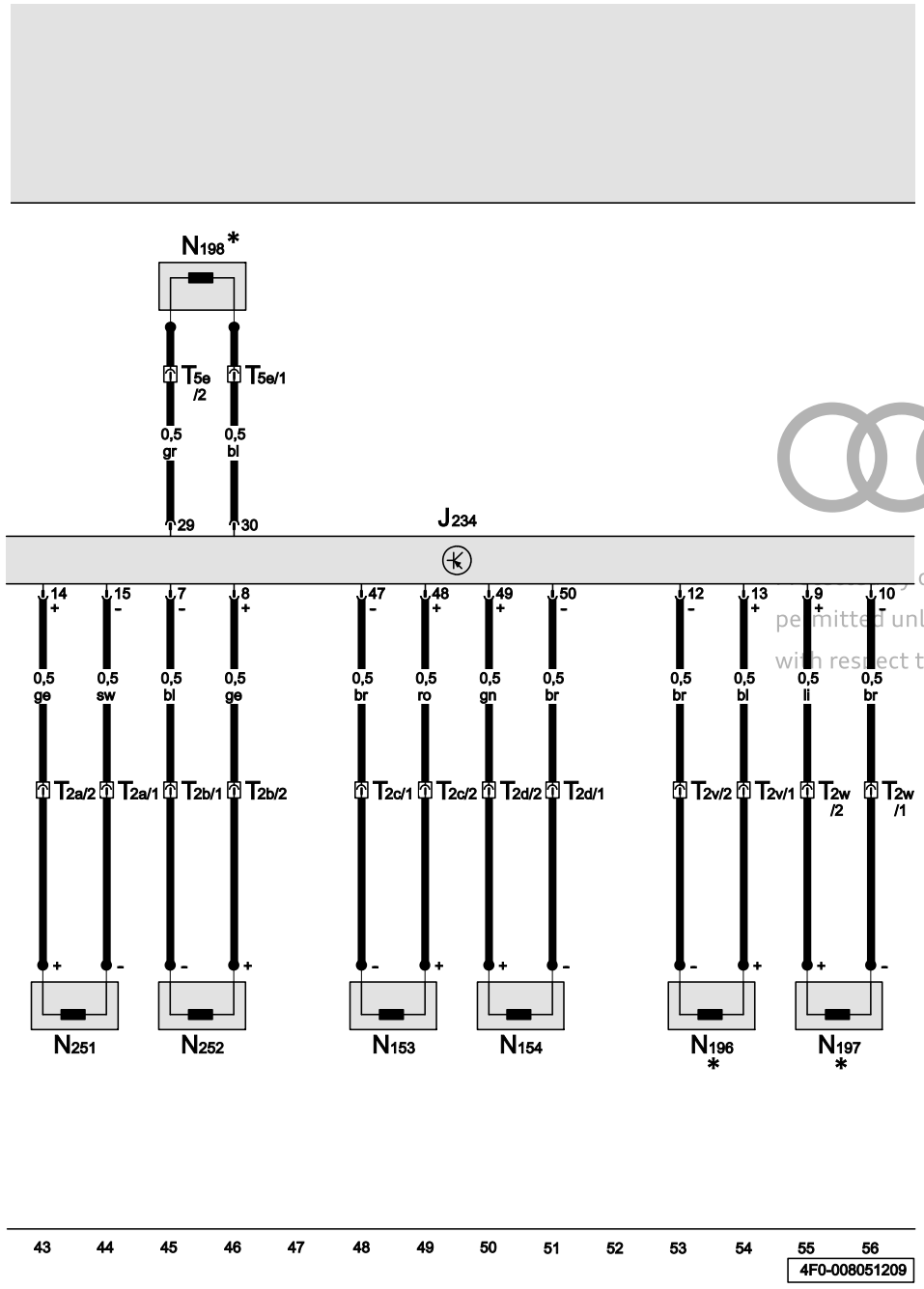
Airbag control unit, side airbag igniter on driver and front passenger side, rear side airbag igniter on driver and front passenger side

J234	Airbag control unit
N199	Side airbag igniter on driver side
N200	Side airbag igniter on front passenger side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on front passenger side
T3f	3-pin connector, yellow, on left of seat cross member
T3g	3-pin connector, yellow, on right of seat cross member
T3h	3-pin connector, yellow, under left of rear seat
T3i	3-pin connector, yellow, under right of rear seat
T3aa	3-pin connector, in driver seat
T3ab	3-pin connector, in front passenger seat
372	Earth connection 7, in main wiring harness
<fo:exter nal-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/kurzbr_r.png" content-width="20pt" scaling="uniform"/>	short circuit bridge becomes effective when connector is unplugged
*	no longer fitted, phased

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Airbag control unit, driver and front passenger side seat belt tensioner igniter, driver and front passenger side curtain airbag igniter, rear belt tensioner igniter

J234	Airbag control unit
N153	Driver seat belt tensioner igniter 1
N154	Front passenger side seat belt tensioner igniter 2
N196	Rear belt tensioner igniter on driver side
N197	Rear belt tensioner igniter on front passenger side
N198	Rear centre belt tensioner igniter
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T2a	2-pin connector, yellow, on driver side curtain airbag
T2b	2-pin connector, yellow, on front passenger side curtain airbag
T2c	2-pin connector, purple, left B-pillar
T2d	2-pin connector, purple, right B-pillar
T2v	2-pin connector, yellow, left C-pillar
T2w	2-pin connector, yellow, right C-pillar
T5e	5-pin connector, yellow, under rear seat
*	only USA

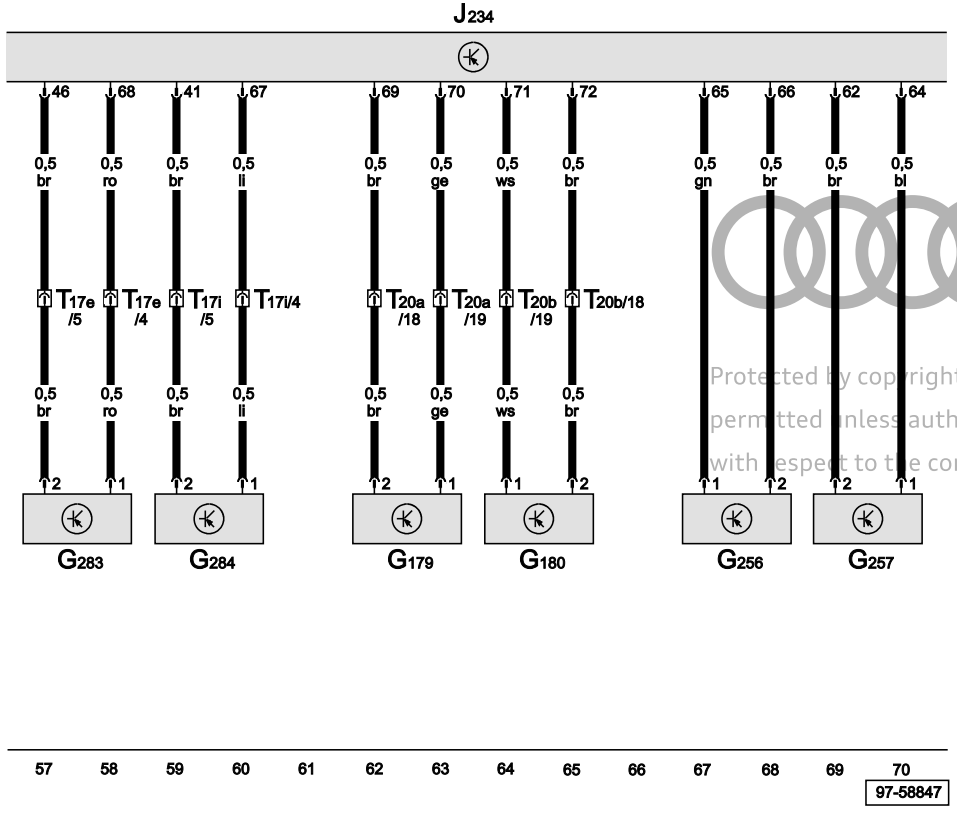


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Airbag control unit, side airbag crash sensor on driver and front passenger side, rear side airbag crash sensor on driver and front passenger side, front airbag crash sensor for driver and front passenger side

G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on front passenger side
G283	Front airbag crash sensor for driver side
G284	Front airbag crash sensor for front passenger side
J234	Airbag control unit
T17e	17-pin connector, red, coupling station on left A-pillar
T17i	17-pin connector, red, coupling station on right A-pillar
T20a	20-pin connector, left A-pillar
T20b	20-pin connector, right A-pillar

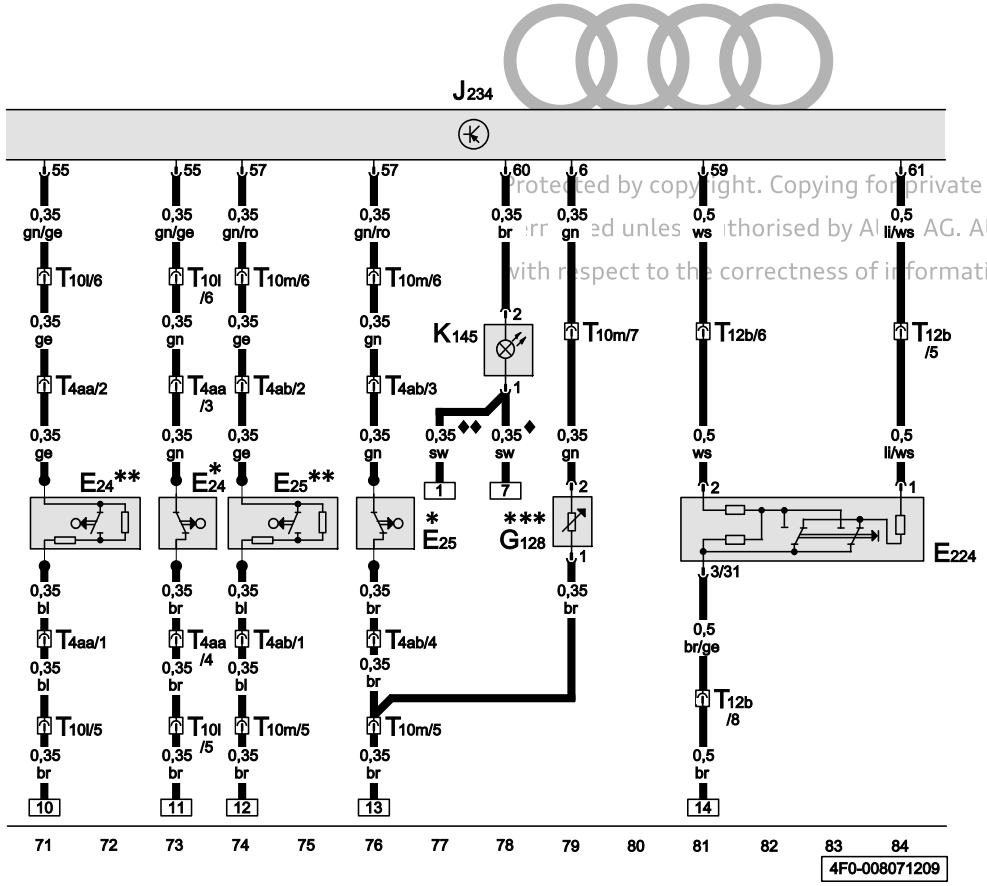


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Airbag control unit, driver and front passenger side belt switch, key operated switch to deactivate front passenger side airbag, front passenger side airbag deactivated warning lamp

E24	Driver side belt switch
E25	Front passenger side belt switch
E224	Key operated switch to deactivate front passenger side airbag
G128	Seat occupied sensor, front passenger side
J234	Airbag control unit
K145	Front passenger side airbag deactivated warning lamp
T4aa	4-pin connector, in driver seat
T4ab	4-pin connector, in front passenger seat
T10l	10-pin connector, black, on left of seat cross member
T10m	10-pin connector, black, on right of seat cross member
T12b	12-pin connector, black, on right behind dash panel
*	models with seat belt warning
**	models with seat belt warning, only USA
***	models with seat occupied sensor, front passenger side
♦	up to about June 2004
♦♦	from to about July 2004

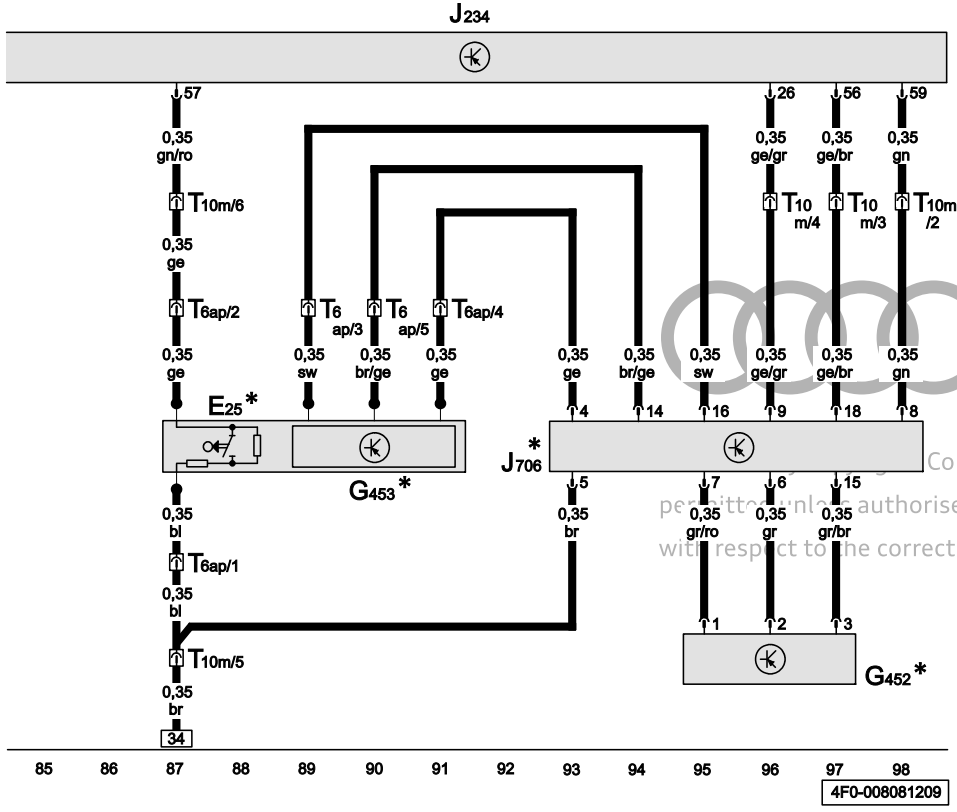


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Airbag control unit, seat occupied recognition control unit, pressure sensor for seat occupied recognition, seat belt force sensor for seat occupied recognition

E25	Front passenger side belt switch
G452	Pressure sensor for seat occupied recognition
G453	Seat belt force sensor for seat occupied recognition
J234	Airbag control unit
J706	Seat occupied recognition control unit
T6ap	6-pin connector, in front passenger seat
T10m	10-pin connector, black, on right of seat cross member
*	Models with seat occupied sensor



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rs = pink

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Anti-lock brake system (ABS) with traction control system (TCS) and electronic stabilisation program (ESP)

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

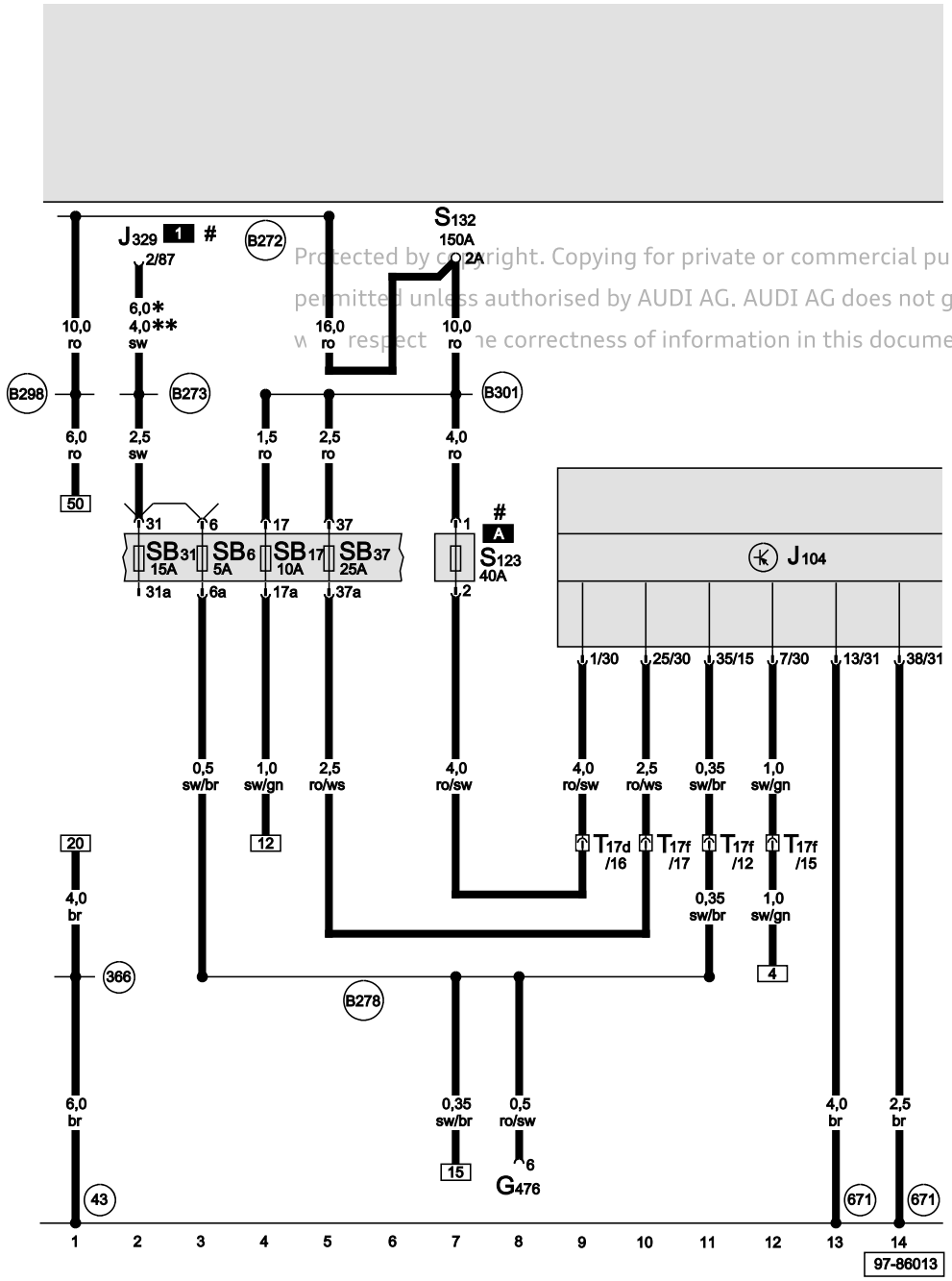
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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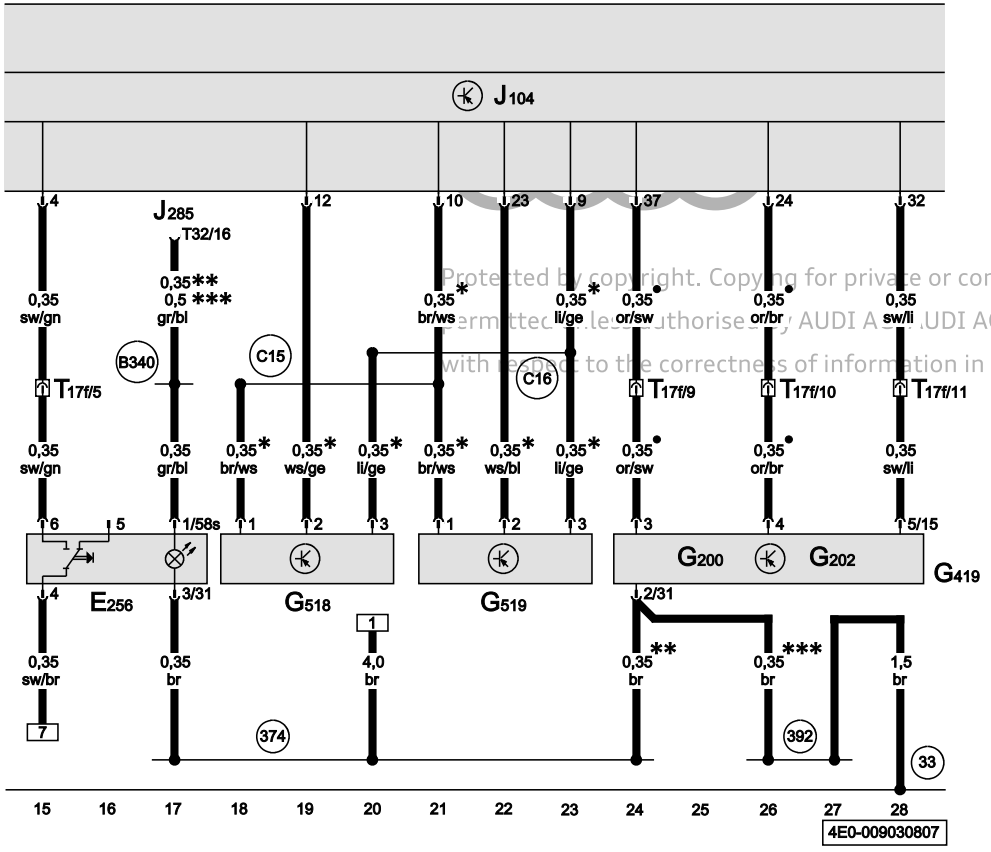
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ABS control unit, ABS control unit fuse 1

G476	Clutch position sender
J104	ABS control unit
J329	Terminal 15 voltage supply relay
S123	ABS control unit fuse 1
S132	Fuse 2
SB6	Fuse 6 on fuse holder
SB17	Fuse 17 on fuse holder
SB31	Fuse 31 on fuse holder
SB37	Fuse 37 on fuse holder
T17d	17-pin connector, black, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
671	Earth point 1, on front of left longitudinal member
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
*	up to October 2005
**	from November 2005
#	9-point relay carrier, behind driver storage compartment

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

ABS control unit, ESP TCS and ESP button, lateral acceleration sender, yaw rate sender, ESP sensor unit, front brake pressure sender

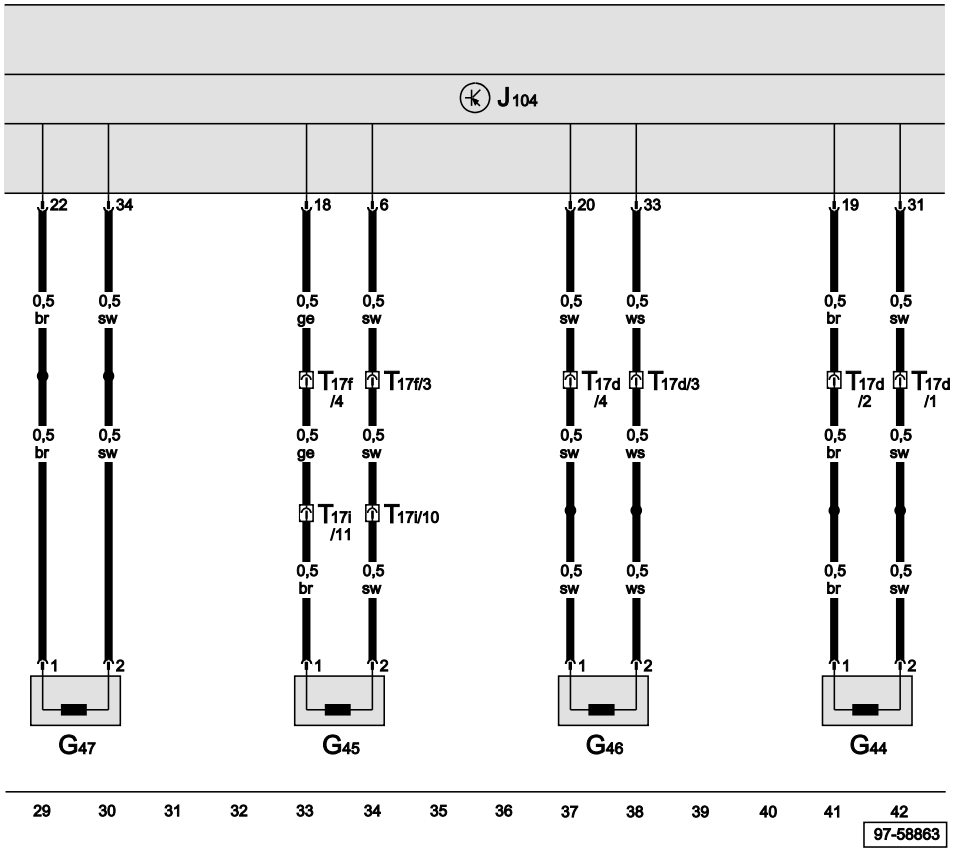


E256	TCS and ESP button
G200	Lateral acceleration sender
G202	Yaw rate sender
G419	ESP sensor unit
G518	Front left brake pressure sender
G519	Front right brake pressure sender
J104	ABS control unit
J285	Control unit in dash panel insert
T17f	17-pin connector, green, coupling station on left of A-pillar
T32	32-pin connector, grey, on dash panel insert
33	Earth point, on right behind dash panel
374	Earth connection 9, in main wiring harness
392	Earth connection 27, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
C15	Connection 1, in headlight wiring harness
C16	Connection 2, in headlight wiring harness
•	CAN bus (data wire)
*	models with adaptive cruise control (ACC)
**	up to October 2005
***	from November 2005

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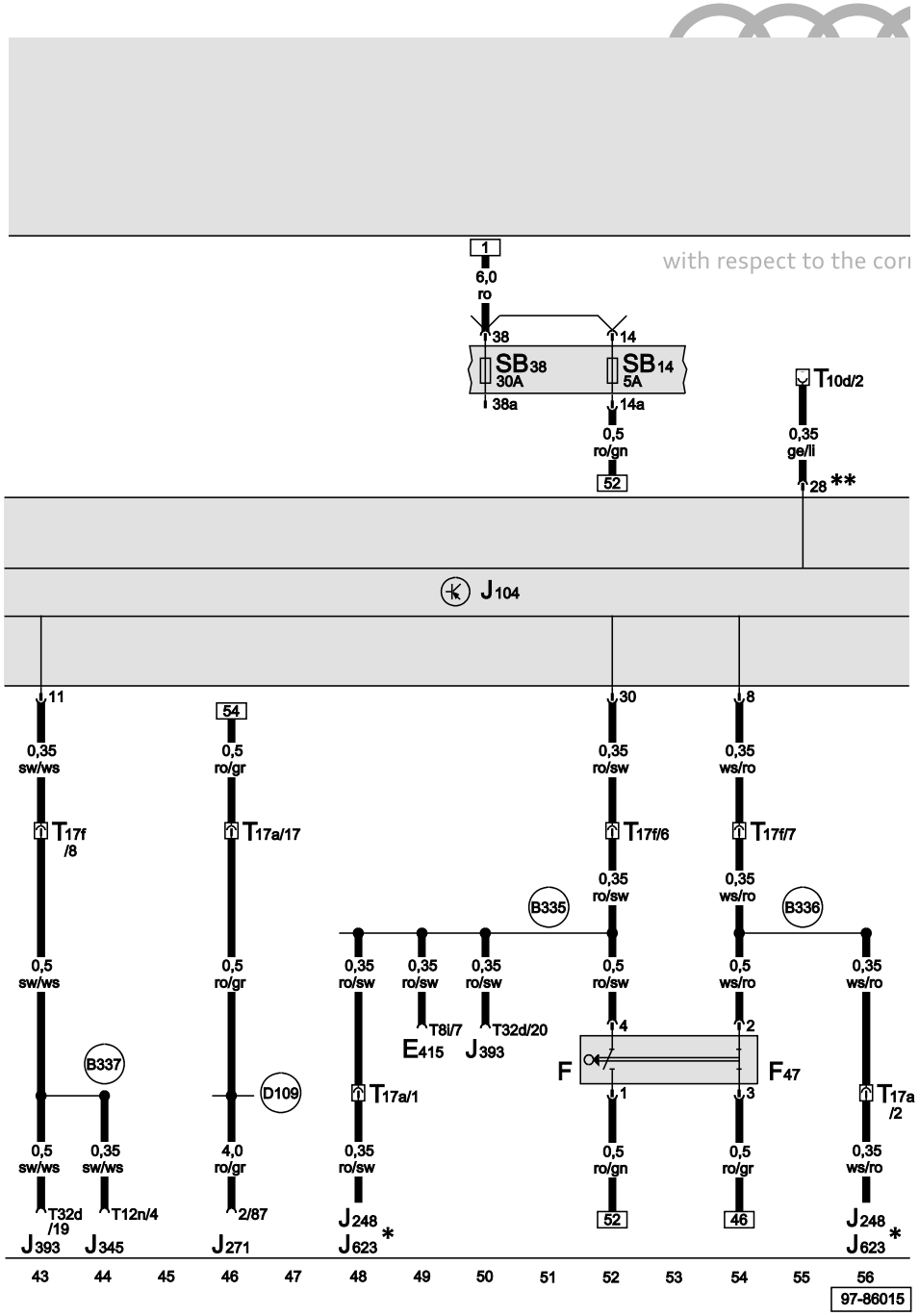


ABS control unit, speed sensor

G44	Rear right speed sensor
G45	Front right speed sensor
G46	Rear left speed sensor
G47	Front left speed sensor
J104	ABS control unit
T17d	17-pin connector, black, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar

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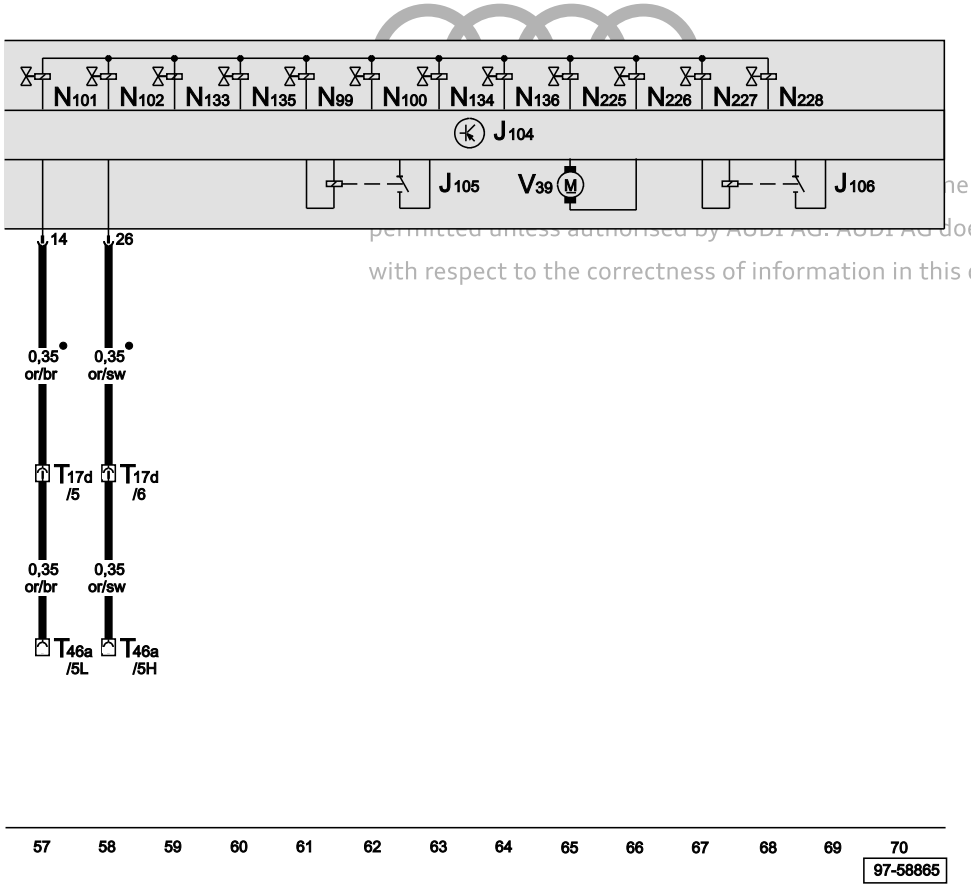
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br = brown
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bl = blue
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ABS control unit, brake light switch, output V-signal

E415	Entry and start authorisation switch
F	Brake light switch
F47	Brake pedal switch
J104	ABS control unit
J248	Diesel direct injection system control unit
J271	Motronic current supply relay
J345	Trailer detector control unit
J393	Convenience system central control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder
SB38	Fuse 38 on fuse holder
T8i	8-pin connector, black, connector A, on entry and start authorisation switch
T10d	10-pin connector, pink, coupling station on left of A-pillar
T12n	12-pin connector, red, connector B, on trailer detector control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T32d	32-pin connector, white, connector B, on convenience system central control unit
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B337	Connection 3 (54), in main wiring harness
D109	Connection 7, in engine compartment wiring harness
*	⇒ Engine Current Flow Diagram
**	Output V-signal, optimal equipment

ABS control unit, ABS return flow pump, inlet and outlet valve, ABS return flow pump relay

J104	ABS control unit
J105	ABS return flow pump relay
J106	ABS solenoid valve relay
N99	Front right ABS inlet valve
N100	Front right ABS outlet valve
N101	Front left ABS inlet valve
N102	Front left ABS outlet valve
N133	Rear right ABS inlet valve
N134	Rear left ABS inlet valve
N135	Rear right ABS outlet valve
N136	Rear left ABS outlet valve
N225	Vehicle stabilization program switch valve 1
N226	Vehicle stabilization program switch valve 2
N227	Vehicle stabilization program high pressure valve 1
N228	Vehicle stabilization program high pressure valve 2
T17d	17-pin connector, black, coupling station on left of A-pillar
T46a	46-pin connector, CAN separating connector left
V39	ABS return flow pump
•	CAN bus (data wire)



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Adaptive cruise control (ACC)

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

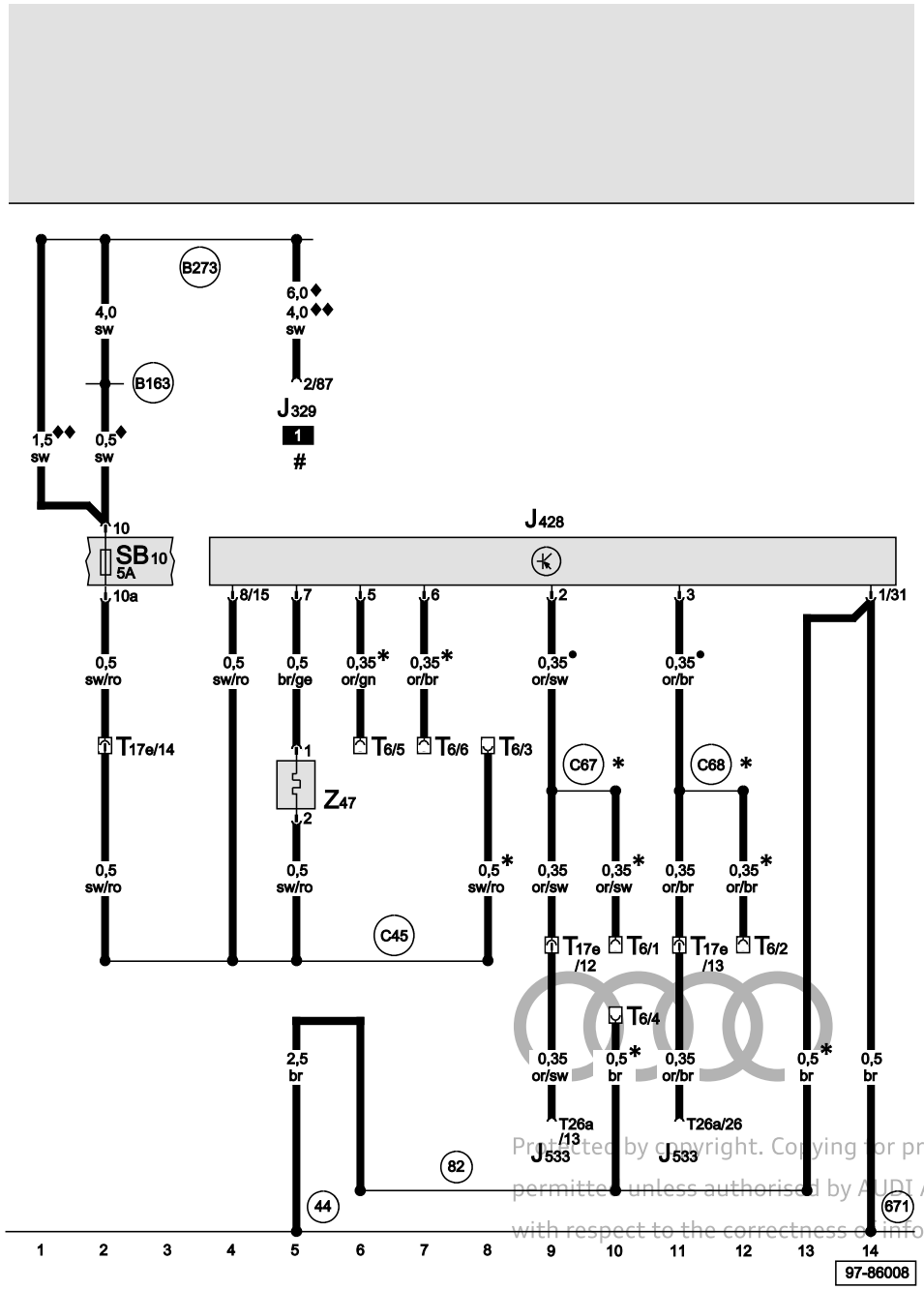
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Adaptive cruise control unit, sensor heater for adaptive cruise control system

J329	Terminal 15 voltage supply relay
J428	Adaptive cruise control unit
J533	Data bus diagnostic interface
SB10	Fuse 10 on fuse holder
T6	6-pin connector, diagnosic connetion, adaptive cruise control
T17e	17-pin connector, red, coupling station on left of A-pillar
T26a	26-pin connector, black, on data bus diagnostic interface
Z47	Sensor heater for adaptive cruise control system
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
671	Earth point 1, on front of left longitudinal member
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
C45	Positive connection 1 (15), in front wiring harness
C67	Connection (CAN bus, high), in headlight wiring harness
C68	Connection (CAN bus, low), in headlight wiring harness
•	CAN bus (data wire)
*	is dropped from November 2004
#	9-point relay carrier, behind driver storage compartment
◆	up to October 2005
◆◆	from November 2005

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Automatic gearbox 09L

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

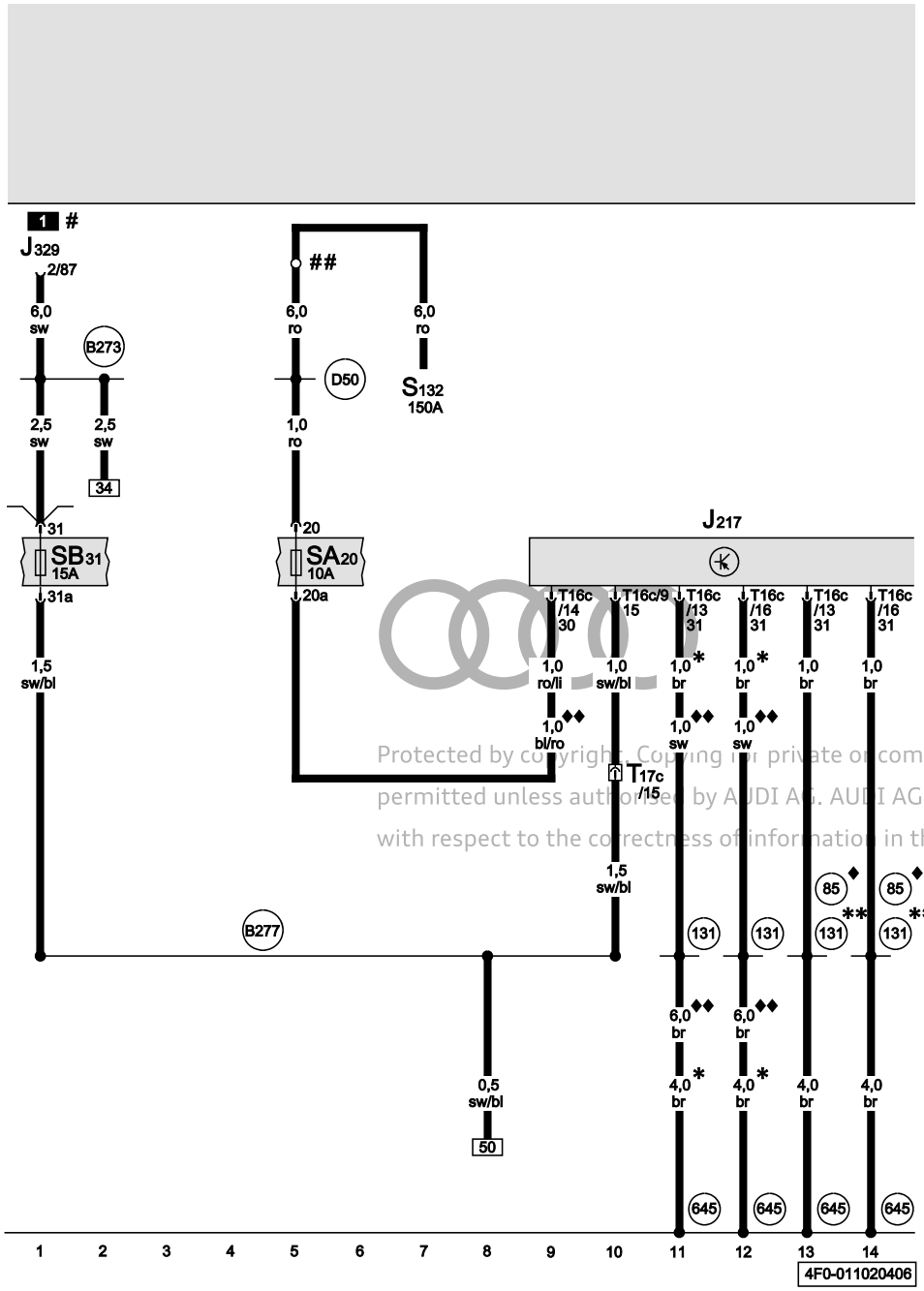
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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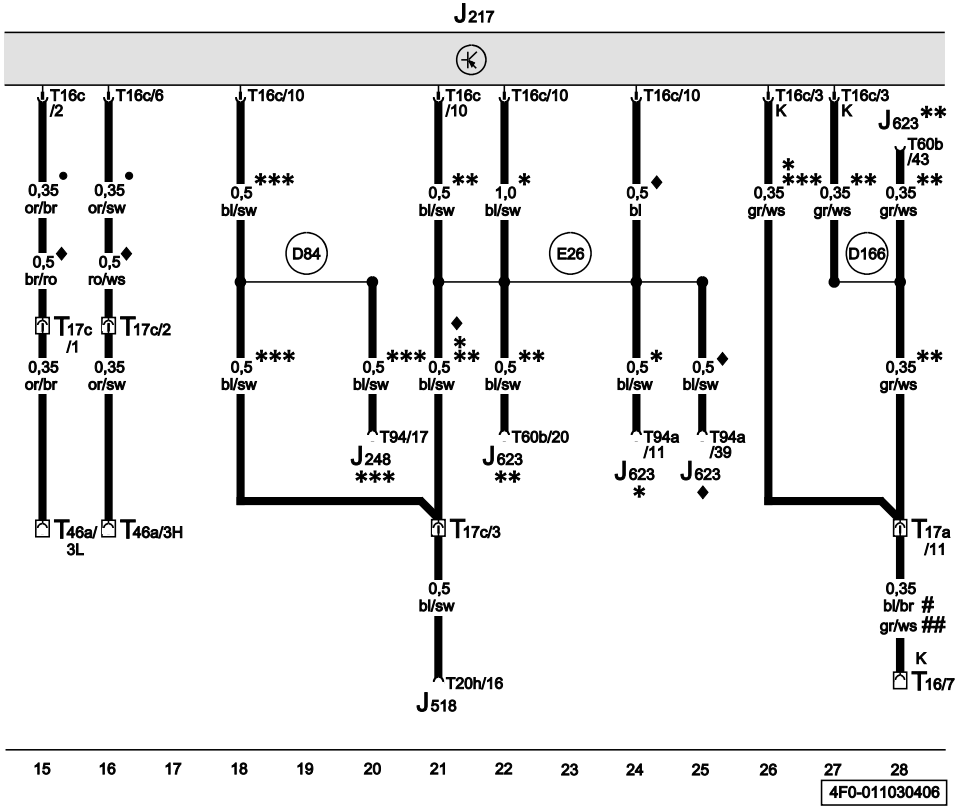


Automatic gearbox control unit, fuses

J217	Automatic gearbox control unit
J329	Terminal 15 voltage supply relay
S132	Fuse 2
SA20	Fuse 10 on fuse holder engine compartment
SB31	Fuse 31 on fuse holder
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
645	Earth point 1, on bulkhead
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
*	3.2 l engine, engine codes AUK, BKH
**	4.2 l engine, engine code BAT, BNK
#	9-point relay carrier, behind driver storage compartment
##	Screw connection in electronics box left in plenum chamber
♦	2.7 l Diesel engine, engine codes BPP, BSG 3.0 l Diesel engine, engine codes BMK, BNG
♦♦	5.2 l engine, engine code BGS

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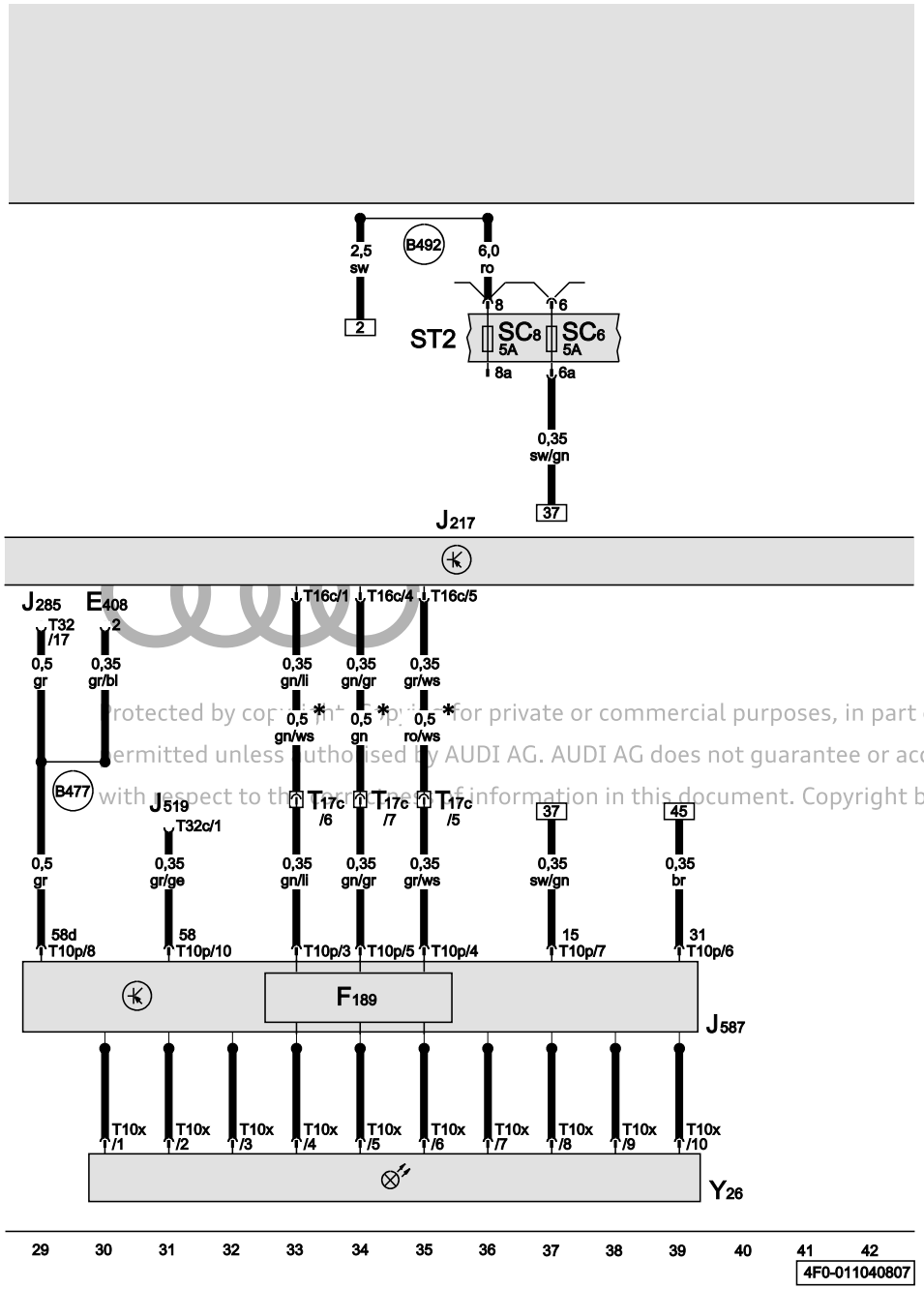
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gn = green
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rs = pink

Automatic gearbox control unit

J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN separating connector left
T60b	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
T94a	94-pin connector, black, connector B, on engine control unit
D84	Connection (automatic gearbox), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
E26	Connection selector lever lock, in Motronic wiring harness

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•	CAN bus (data wire)
*	3.2 l engine, engine codes AUK, BKH
**	4.2 l engine, engine code BAT, BNK
***	2.7 l Diesel engine, engine codes BPP, BSG 3.0 l Diesel engine, engine codes BMK, BNG
#	up to model year 2005
##	from model year 2006
♦	5.2 l engine, engine code BGS



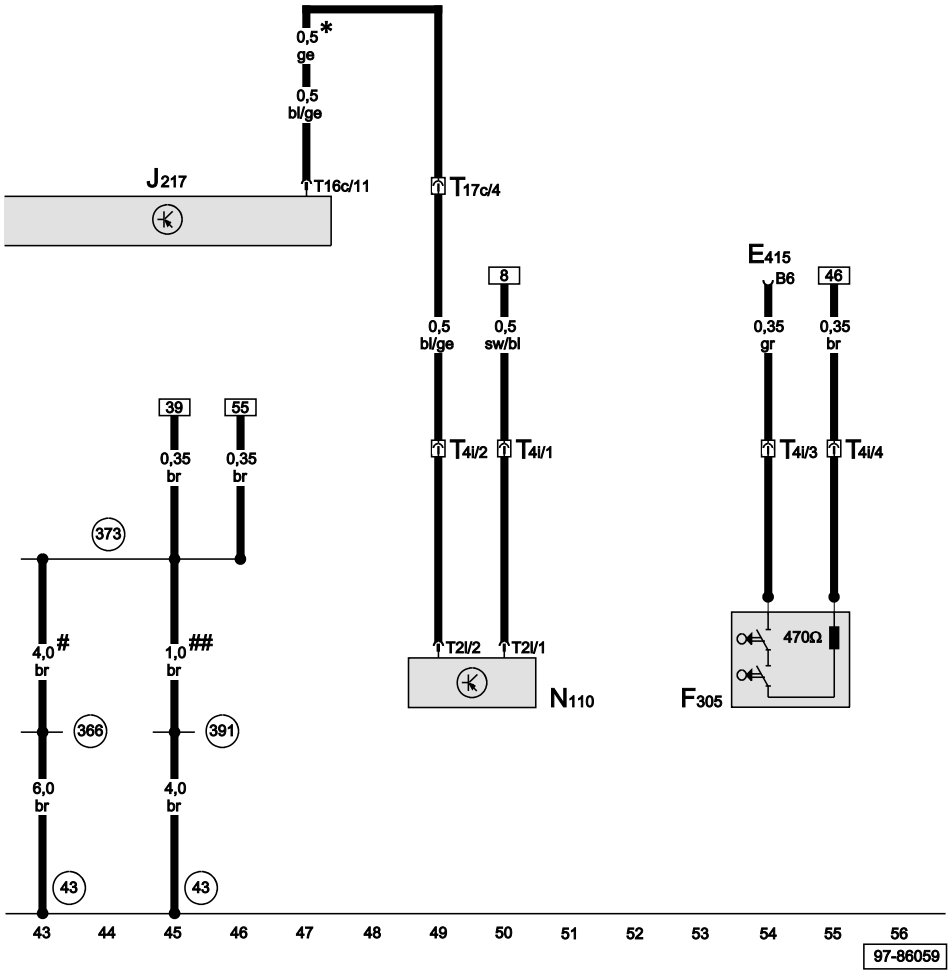
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Automatic gearbox control unit, selector lever sensors control unit, Tiptronic switch, selector lever position display

E408	Entry and start authorisation button
F189	Tiptronic switch
J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J587	Selector lever sensors control unit
SC6	Fuse 6 on fuse holder
SC8	Fuse 8 on fuse holder
T10p	10-pin connector, black, on selector lever sensors control unit
T10x	10-pin connector, black, in centre console on selector lever position display
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, connector C, on onboard supply control unit
Y26	Selector lever position display
B477	Connection 13 in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	5.2 l engine, engine code BGS

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

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Automatic gearbox control unit, selector lever lock solenoid, gear selector position P switch

E415	Entry and start authorisation switch
F305	Gear selector position P switch
J217	Automatic gearbox control unit
N110	Selector lever lock solenoid
T2i	2-pin connector, black, on selector lever lock solenoid
T4i	4-pin connector, black, in centre console on selector lever console
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
*	5.2 l engine, engine code BGS
#	up to October 2005
##	from November 2005

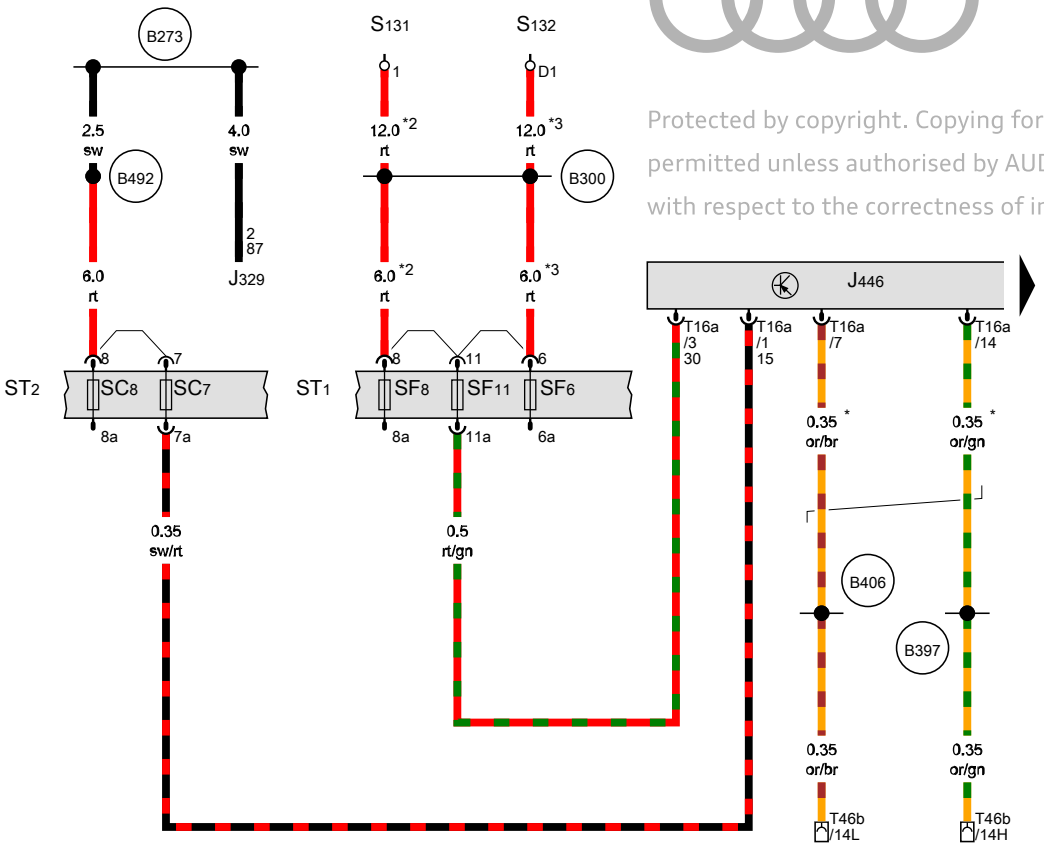
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Front and rear parking aid (PDC)

From June 2004

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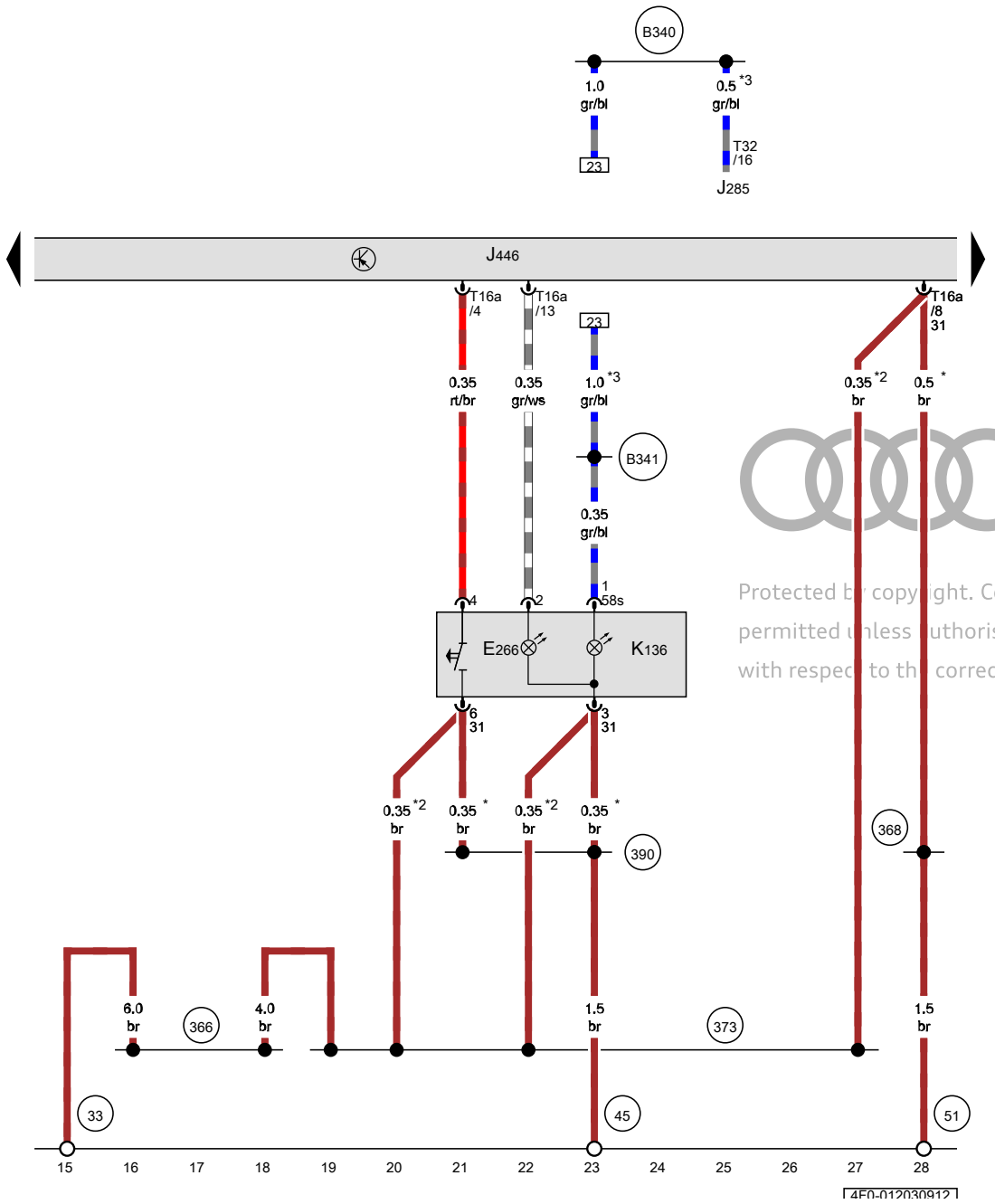
Parking aid control unit, Fuse carrier 1, Fuse carrier 2

J329	Terminal 15 voltage supply relay, behind shelf on front passenger side
J446	Parking aid control unit
ST1	Fuse carrier 1
ST2	Fuse carrier 2
SF6	Fuse 6 in fuse holder F
SC7	Fuse 7 on fuse holder C
SF8	Fuse 8 in fuse holder F
SC8	Fuse 8 on fuse holder C
SF11	Fuse 11 in fuse holder F
S131	Fuse 1
S132	Fuse 2
T16a	16-pin connector
T46b	46-pin connector
B273	Positive connection (15), in main wiring harness
B300	Positive connection 4 (30), 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
B492	Positive connection 3 (15), in interior wiring harness
*	Data bus wire (CAN bus)
*2	Up to May 2005
*3	From June 2005

1 2 3 4 5 6 7 8 9 10 11 12 13 14

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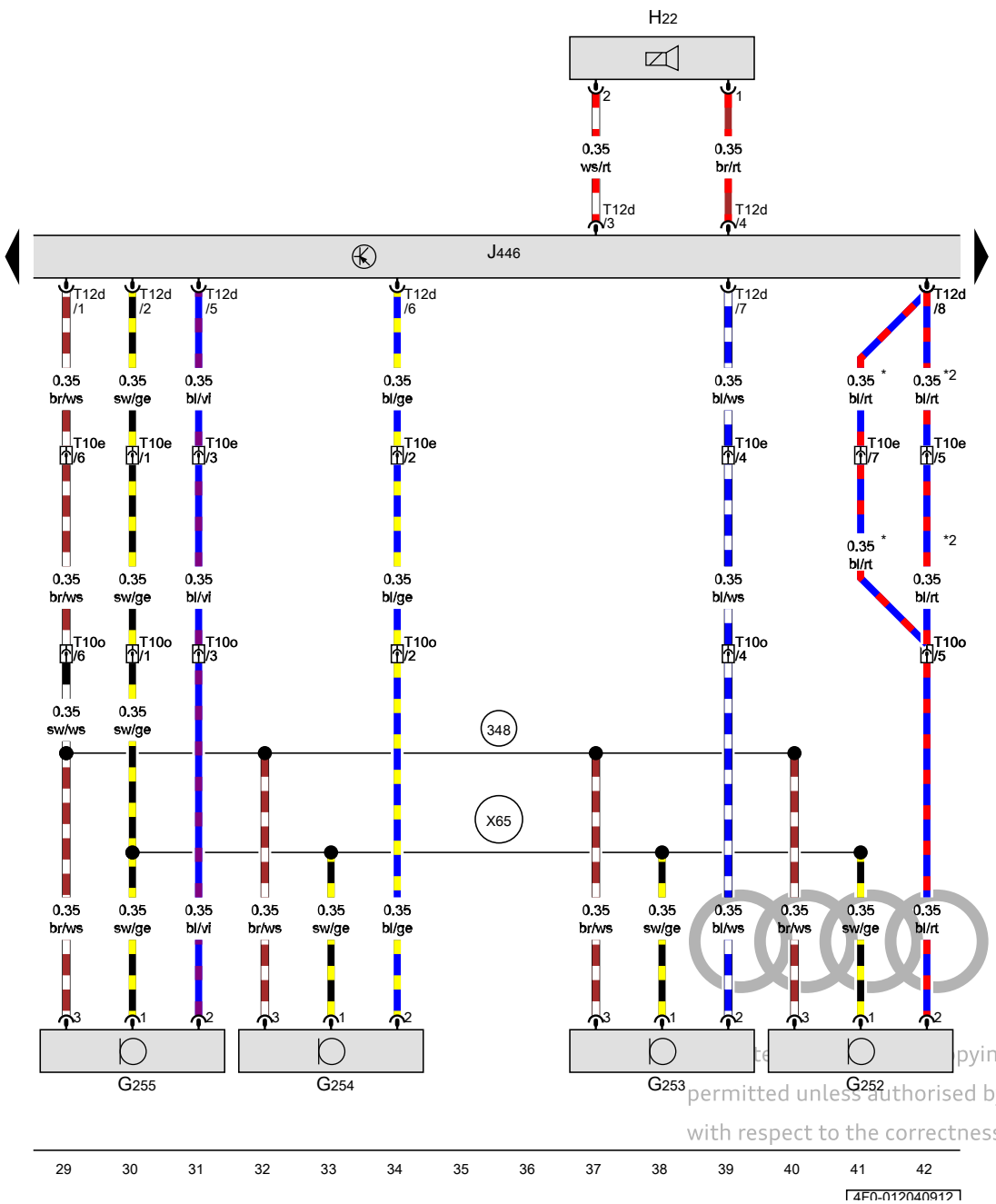


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Parking aid button, Parking aid control unit, Parking aid warning lamp

E266	Parking aid button
J285	Control unit in dash panel insert
J446	Parking aid control unit
K136	Parking aid warning lamp
T16a	16-pin connector
T32	32-pin connector
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
51	Earth point, on right in luggage compartment
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	From November 2005
*2	Up to October 2005
*3	Cross section depends on equipment



Front centre right parking aid sender, Front left parking aid sender, Front parking aid warning buzzer, Parking aid control unit

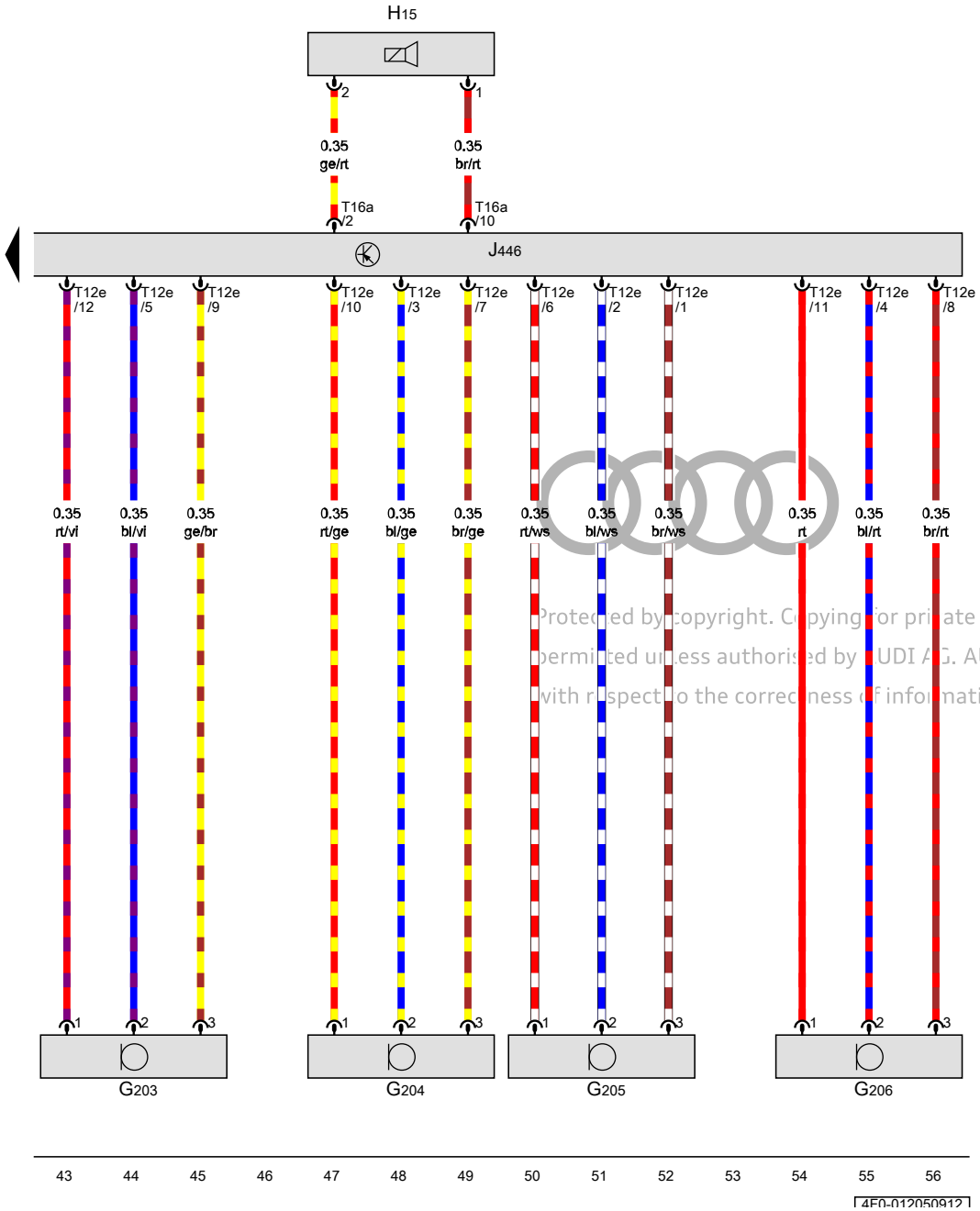
G252	Front right parking aid sender
G253	Front centre right parking aid sender
G254	Front centre left parking aid sender
G255	Front left parking aid sender
H22	Front parking aid warning buzzer
J446	Parking aid control unit
T10e	10-pin connector, in left A-pillar coupling station
T10o	10-pin connector, front left in engine compartment
T12d	12-pin connector
348	Earth connection (parking aid), in front bumper wiring harness
X65	Connection (parking aid), in front bumper wiring harness
*	From November 2006
*2	Up to October 2006

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Rear centre left parking aid sender, Rear right parking aid sender, Rear parking aid warning buzzer, Parking aid 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
H15	Rear parking aid warning buzzer
J446	Parking aid control unit
T12e	12-pin connector
T16a	16-pin connector



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Rear parking aid

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

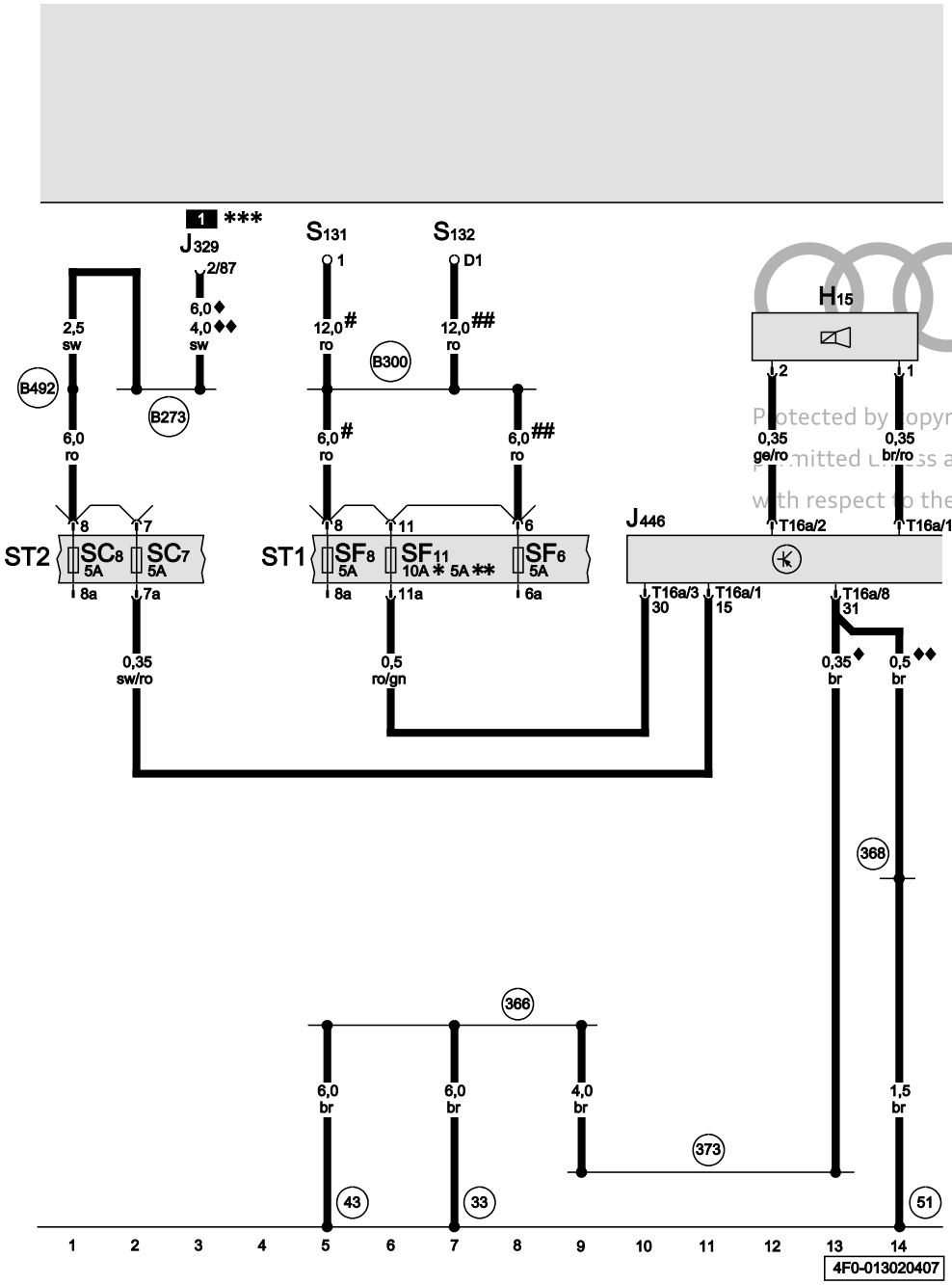
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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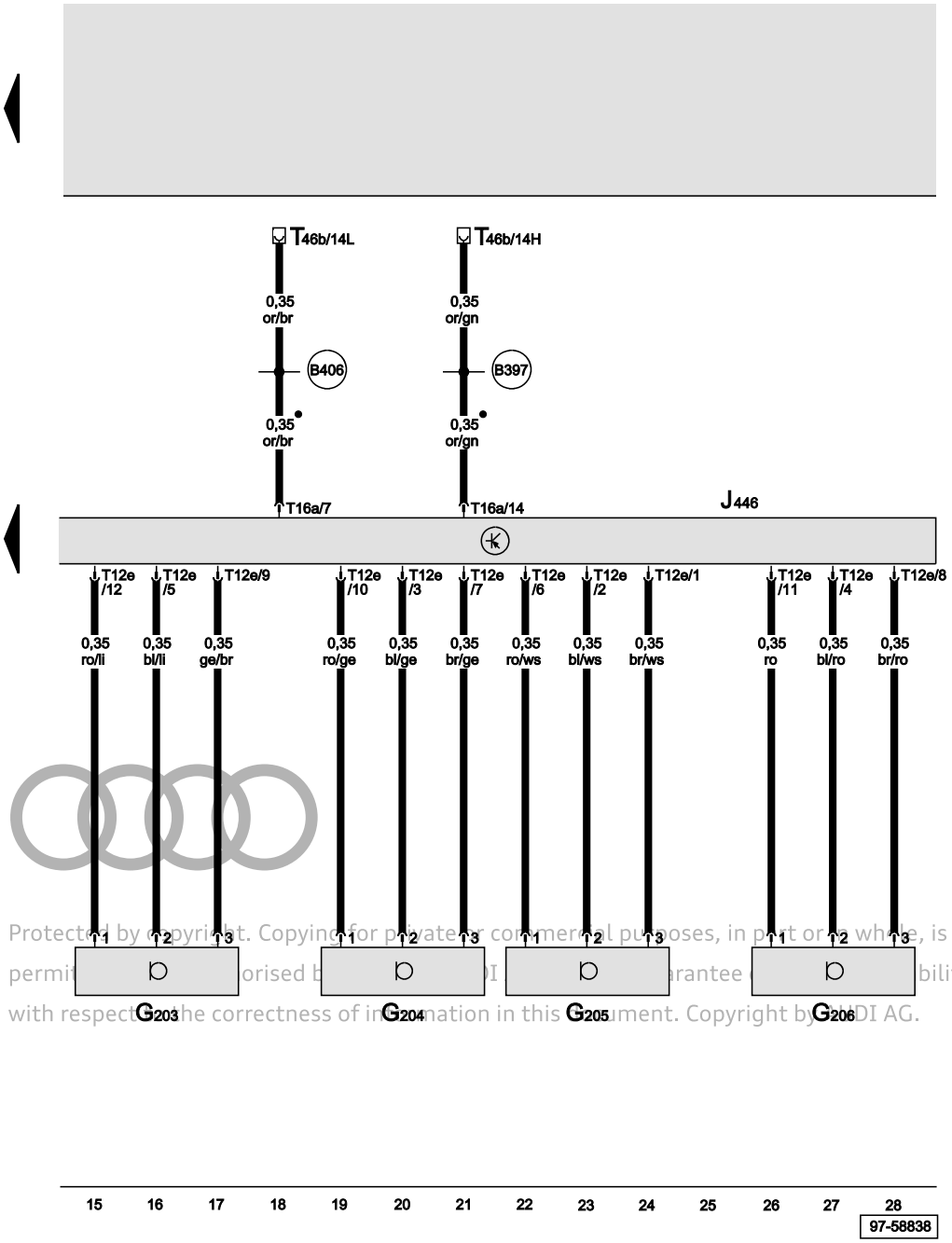
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Parking aid control unit

J329	Terminal 15 voltage supply relay
J446	Parking aid control unit
H15	Rear parking aid warning buzzer
S131	Fuse 1
S132	Fuse 2
SC7	Fuse 7 on fuse holder
SC8	Fuse 8 on fuse holder
SF6	Fuse 6 on fuse holder
SF8	Fuse 8 on fuse holder
SF11	Fuse 11 on fuse holder
T16a	16-pin connector, brown, on parking aid control unit
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
51	Earth point, on right in luggage compartment
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
373	Earth connection 8, in main wiring harness
B273	Positive connection (15), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness

* up to model year 2005
** from model year 2006
*** 9-point relay carrier, behind driver storage compartment
♦ up to October 2005
♦♦ from November 2005
up to model year 2006
from model year 2007



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Parking aid control unit, rear parking aid sender

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
J446	Parking aid control unit
T12e	12-pin connector, black, connector C, on parking aid control unit
T16a	16-pin connector, brown, on parking aid control unit
T46b	46-pin connector, CAN separating connector right
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
•	CAN bus (data wire)

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Electronic steering column lock

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

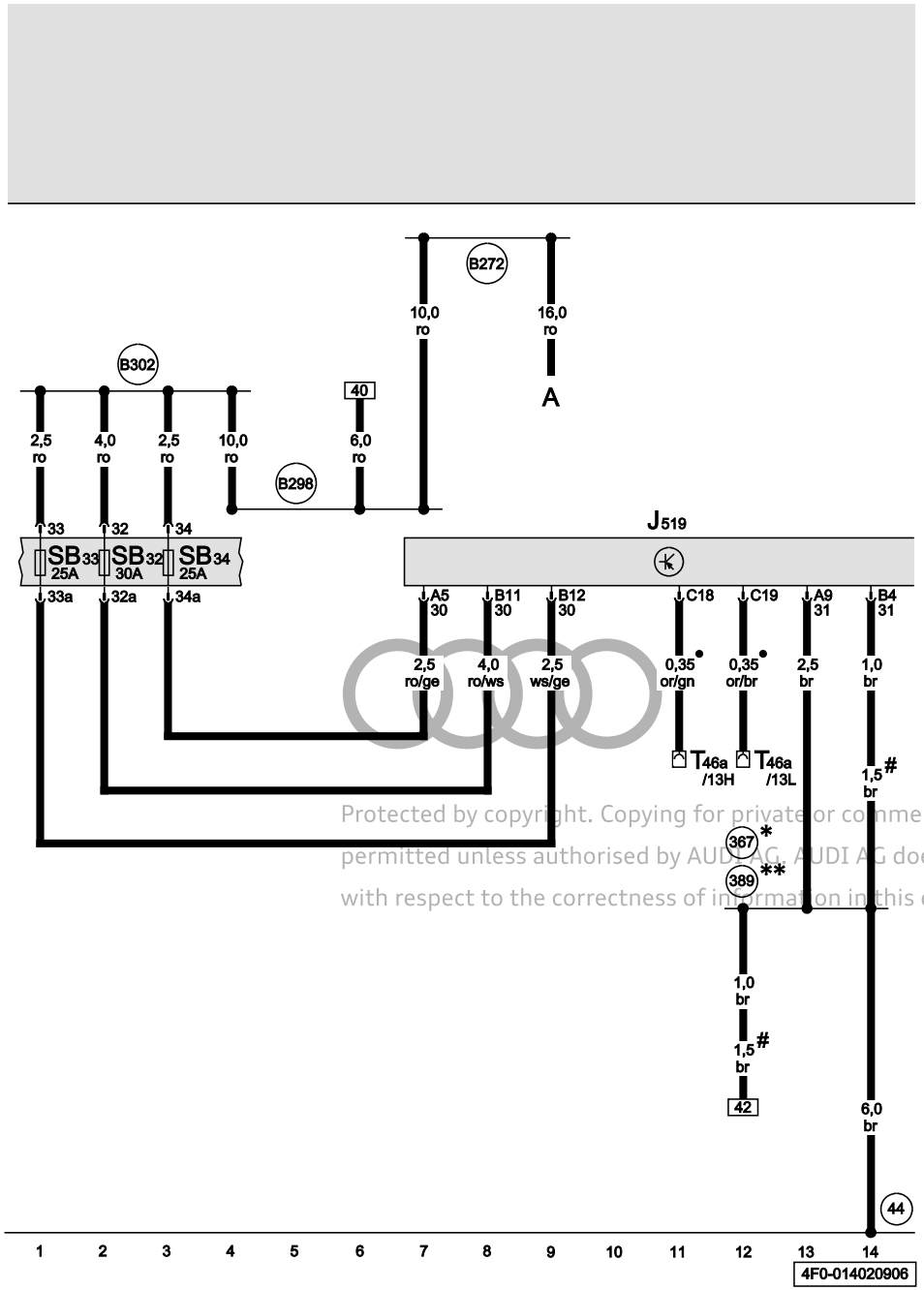
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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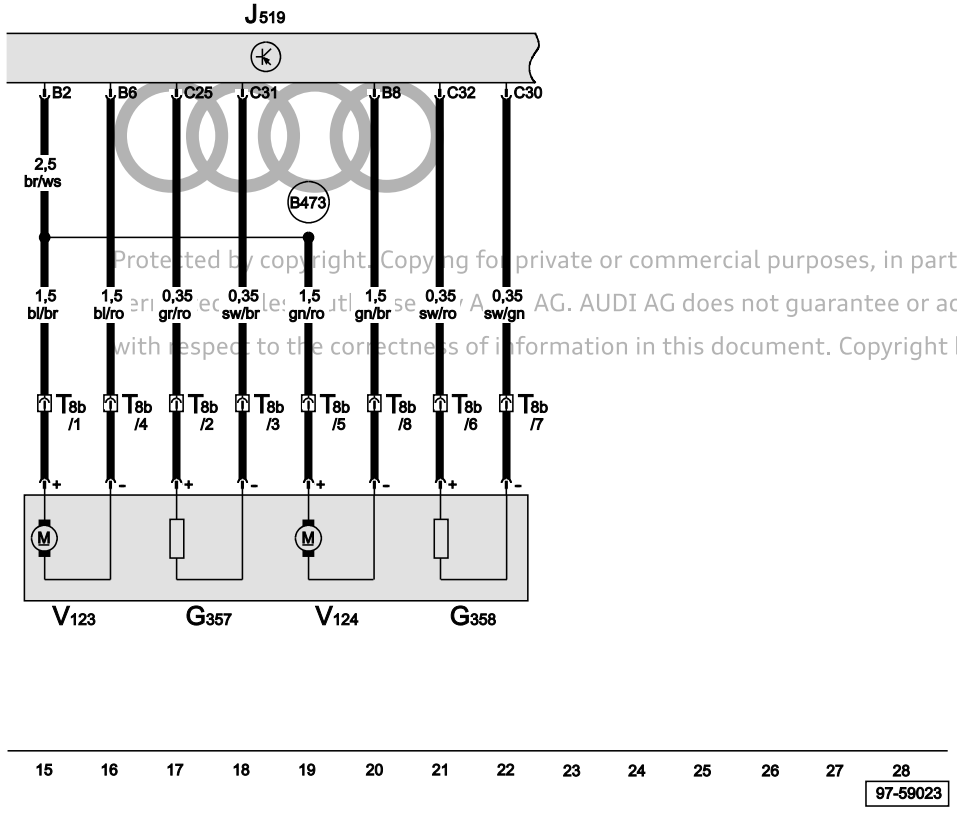
Onboard power supply control unit, fuses

A	Battery
J519	Onboard supply control unit
SB32	Fuse 32 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB34	Fuse 34 on fuse holder B
T46a	46-pin connector, CAN separating connector left
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005
#	from model year 2007

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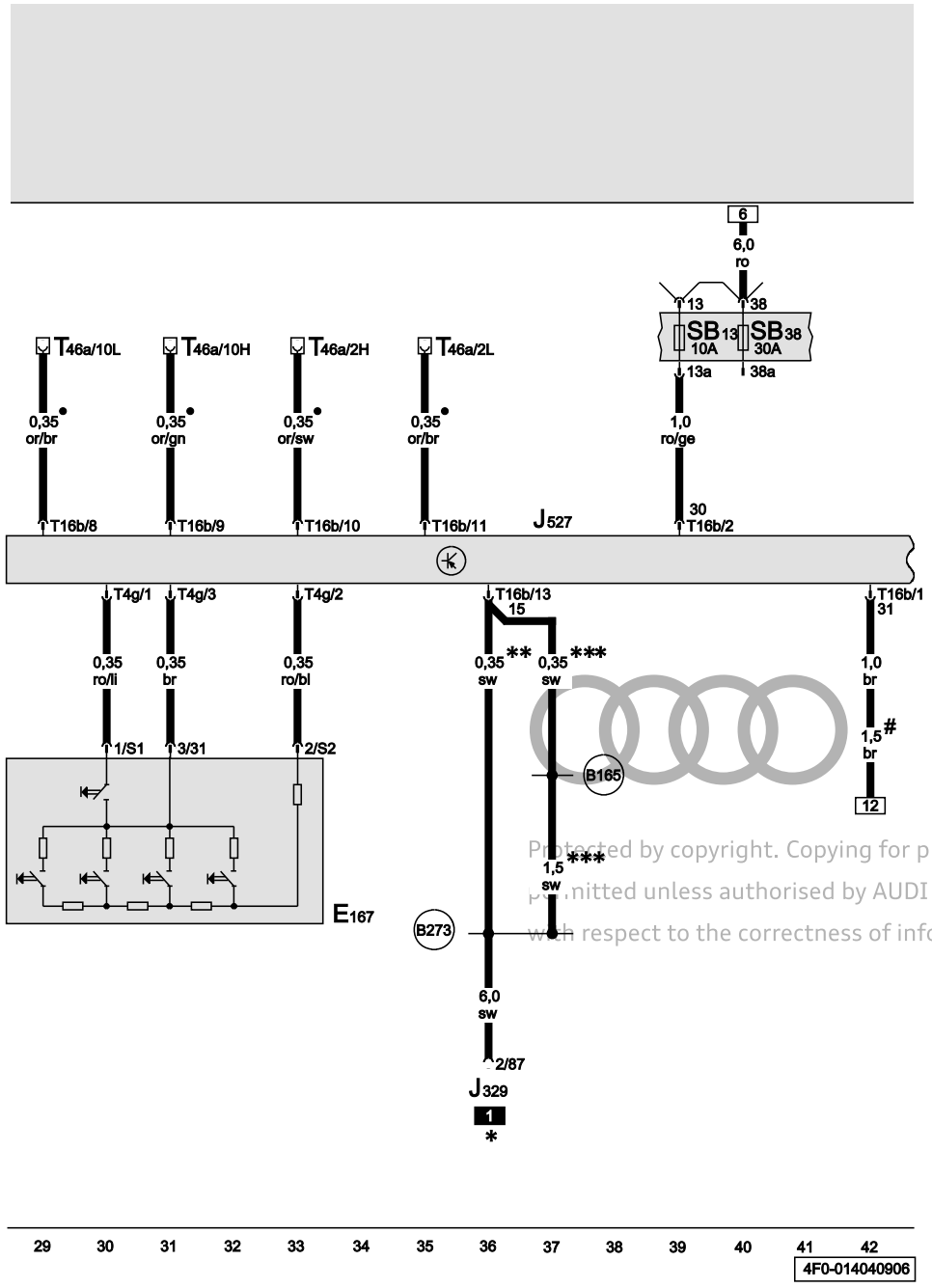
Onboard supply control unit, steering column adjustment motor, steering column adjustment sender

G357	Steering column vertical adjustment sender
G358	Steering column axial adjustment sender
J519	Onboard supply control unit
T8b	8-pin connector, black, behind steering column trim
V123	Steering column vertical adjustment motor
V124	Steering column axial adjustment motor
B473	Connection 9, in main wiring harness



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Steering column electronics control unit, steering column adjustment switch

E167	Steering column adjustment switch
J329	Terminal 15 voltage supply relay
J527	Steering column electronics control unit
SB13	Fuse 13 on fuse holder
SB38	Fuse 38 on fuse holder
T4g	4-pin connector, black, behind steering column switch trim
T16b	16-pin connector, behind steering column switch trim
T46a	46-pin connector, CAN separating connector left
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	up to October 2005
***	from November 2005
#	from model year 2007

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Electric park and handbrake

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

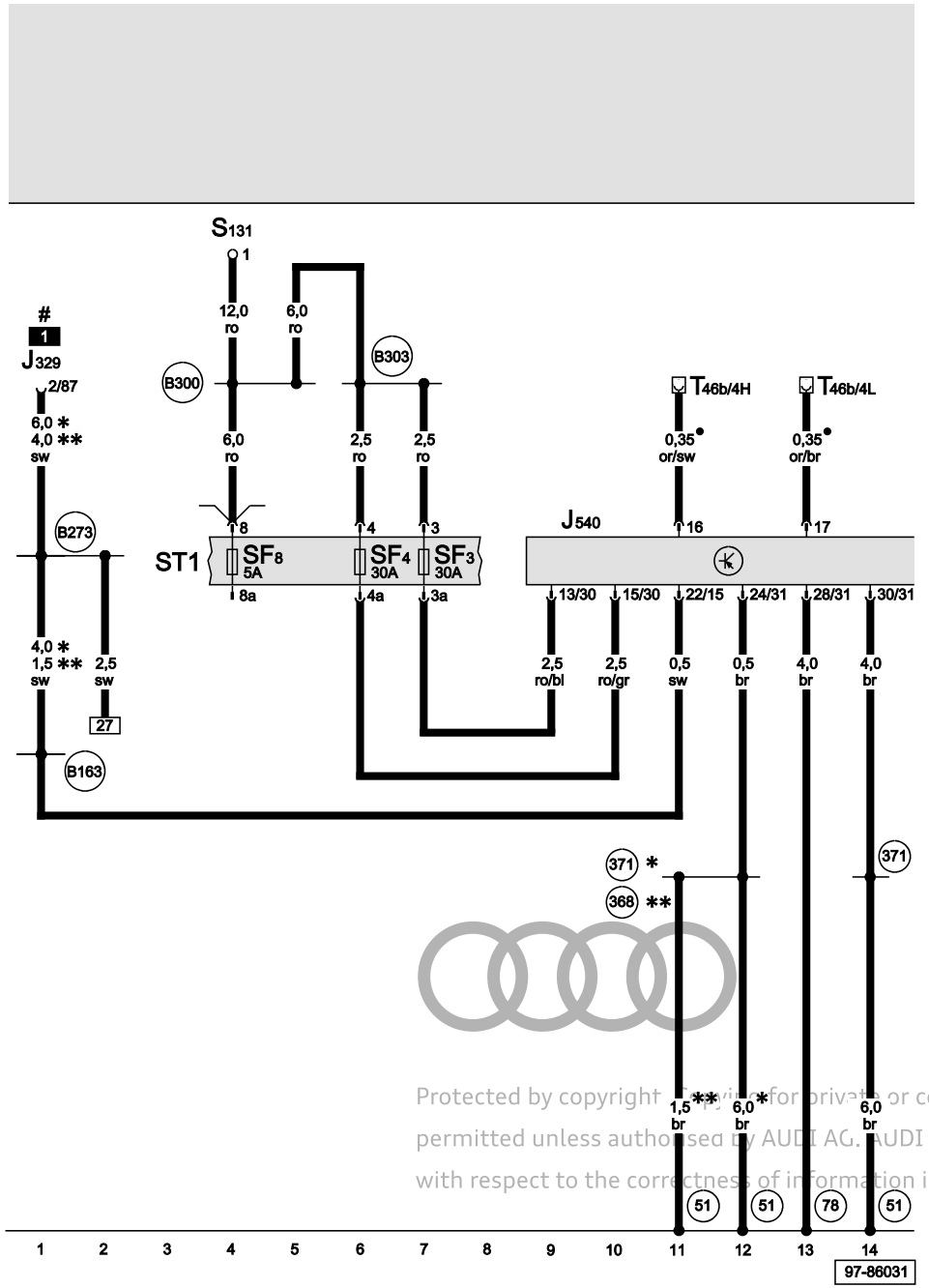
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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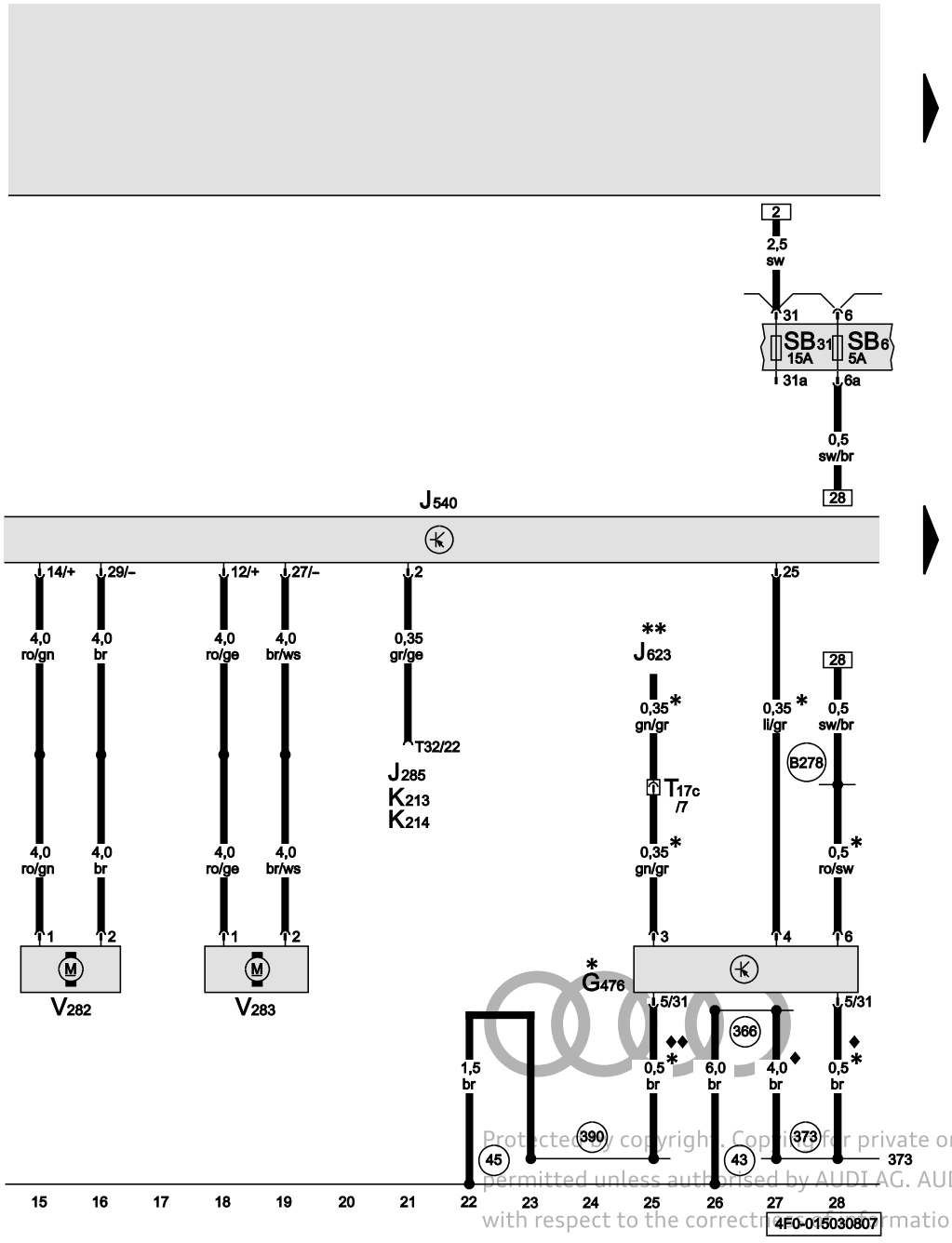


Electric park and handbrake control unit, fuses

J329	Terminal 15 voltage supply relay
J540	Electric park and handbrake control unit
S131	Fuse 1
SF3	Fuse 3 on fuse holder
SF4	Fuse 4 on fuse holder
SF8	Fuse 8 on fuse holder
T46b	46-pin connector, CAN separating connector right
51	Earth point, on right in luggage compartment
78	Earth point, lower part of right B-pillar
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005
#	9-point relay carrier, behind driver storage compartment

ws	=	white
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gn	=	green
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Electric park and handbrake control unit, left and right parking brake motor, clutch position sender, electric park and handbrake warning lamp, electric parking brake and handbrake fault warning lamp

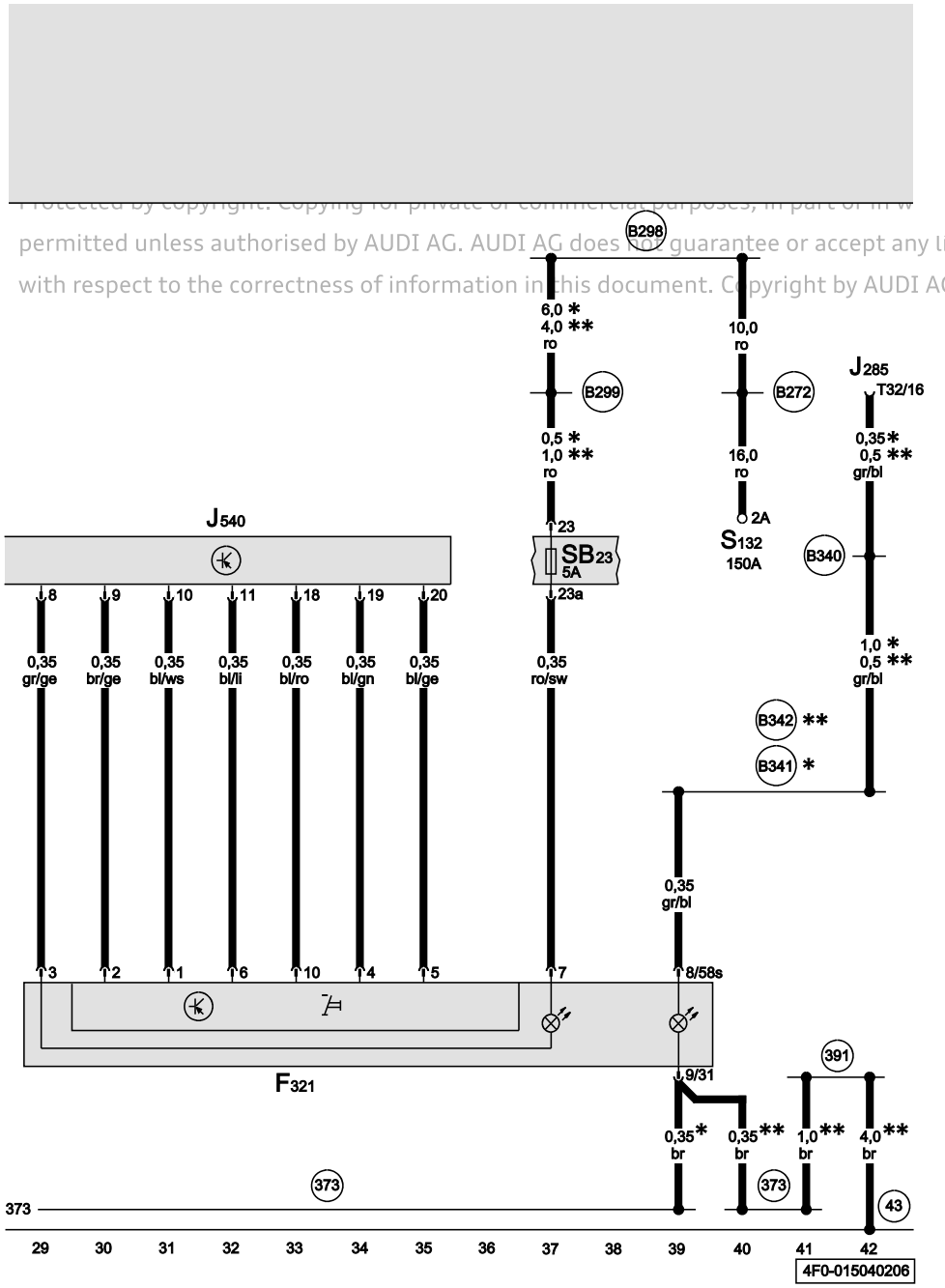
G476	Clutch position sender
J285	Control unit in dash panel insert
J540	Electric park and handbrake control unit
J623	Engine control unit
K213	Electric park and handbrake warning lamp
K214	Electric parking brake and handbrake fault warning lamp
SB6	Fuse 6 on fuse holder
SB31	Fuse 31 on fuse holder
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
V282	Left parking brake motor
V283	Right parking brake motor
43	Earth point, lower part of right A-pillar
45	Earth point, centre behind dash panel
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness

* models with manual gearbox
** ⇒ Engine Current Flow Diagram
♦ up to October 2005
♦♦ from November 2005

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Electric park and handbrake control unit, parking brake contact switch

F321	Parking brake contact switch
J285	Control unit in dash panel insert
J540	Electric park and handbrake control unit
S132	Fuse 2
SB23	Fuse 23 on fuse holder
T32	32-pin connector, grey, on dash panel insert
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
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
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness
*	up to October 2005
**	from November 2005

Electric tyre pressure monitor

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

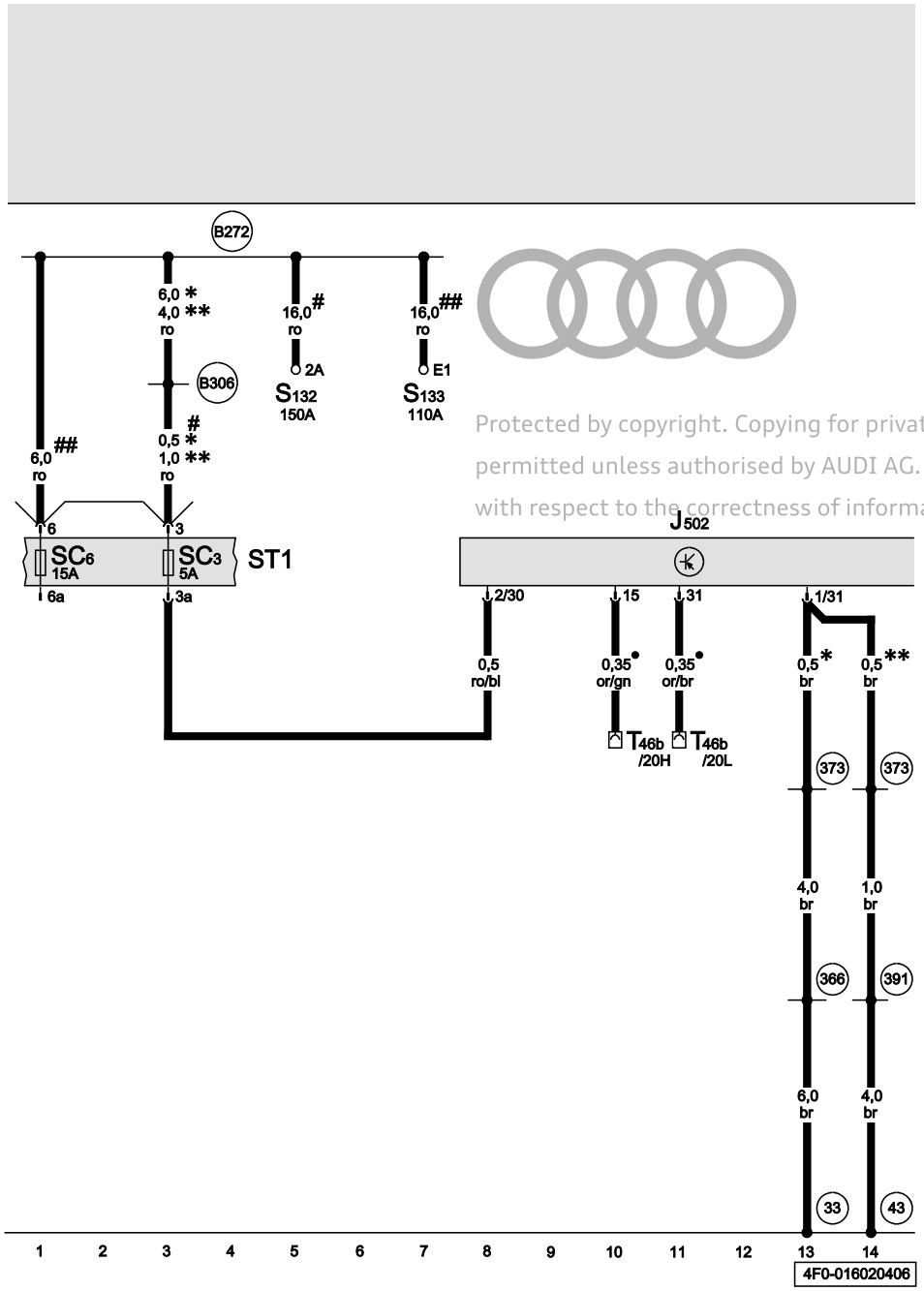
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Tyre pressure monitor control unit, fuse

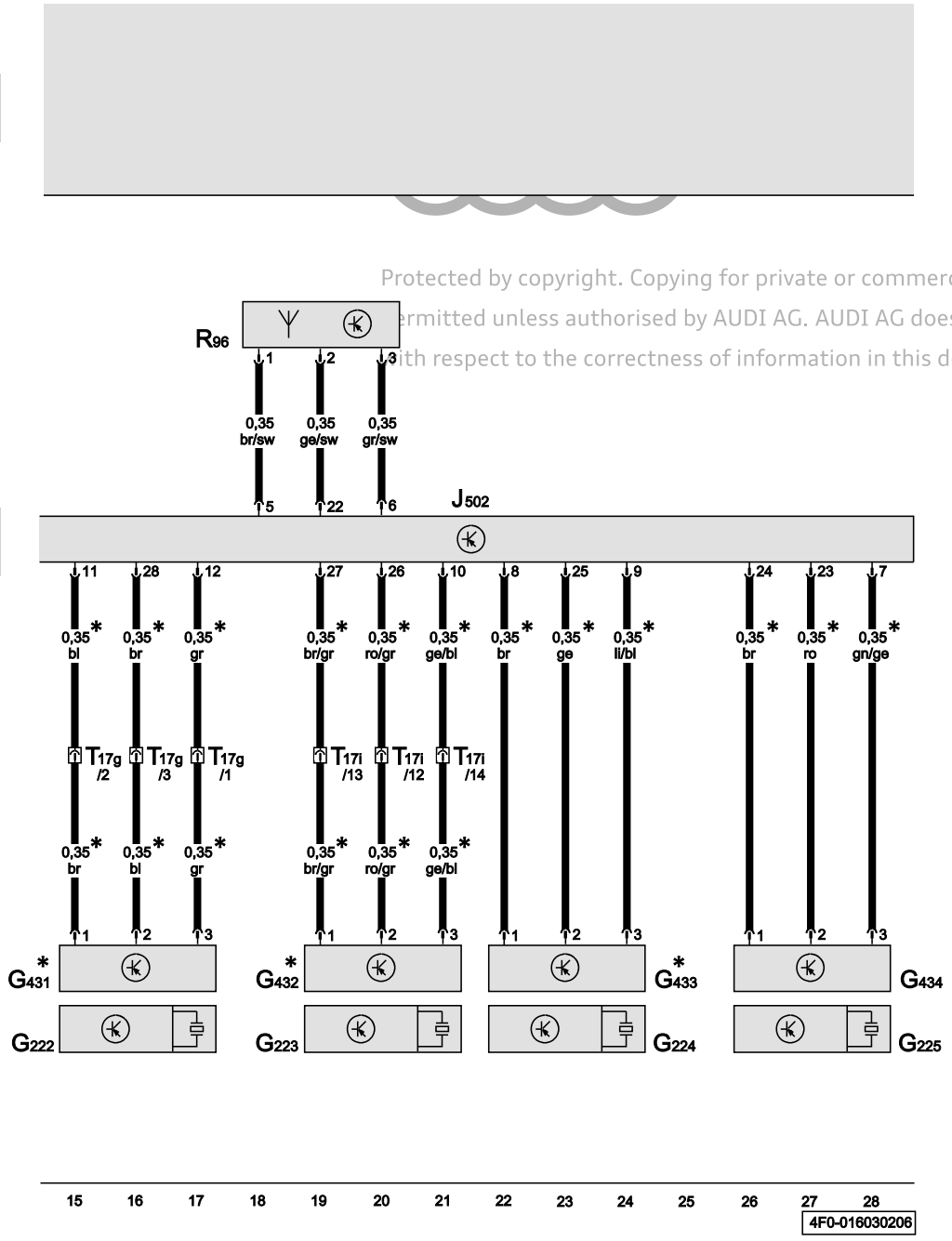
J502	Tyre pressure monitor control unit
S132	Fuse 2
S133	Fuse 3
SC3	Fuse 3 on fuse holder
SC6	Fuse 6 on fuse holder
T46b	46-pin connector, CAN separating connector right
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B272	Positive connection (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005
#	up to model year 2006
##	from model year 2007

ws	=	white
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Tyre pressure monitor control unit, tyre pressure sensor, tyre pressure monitor sender unit in wheel housing

G222	Front left tyre pressure sensor
G223	Front right tyre pressure sensor
G224	Rear left tyre pressure sensor
G225	Rear right tyre pressure sensor
G431	Tyre pressure monitor sender unit in front left wheel housing
G432	Tyre pressure monitor sender unit in front right wheel housing
G433	Tyre pressure monitor sender unit in rear left wheel housing
G434	Tyre pressure monitor sender unit in rear right wheel housing
J502	Tyre pressure monitor control unit
R96	Rear tyre pressure monitor aerial
T17g	17-pin connector, brown, coupling station on left of A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
*	only High-Version

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Garage door opener

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

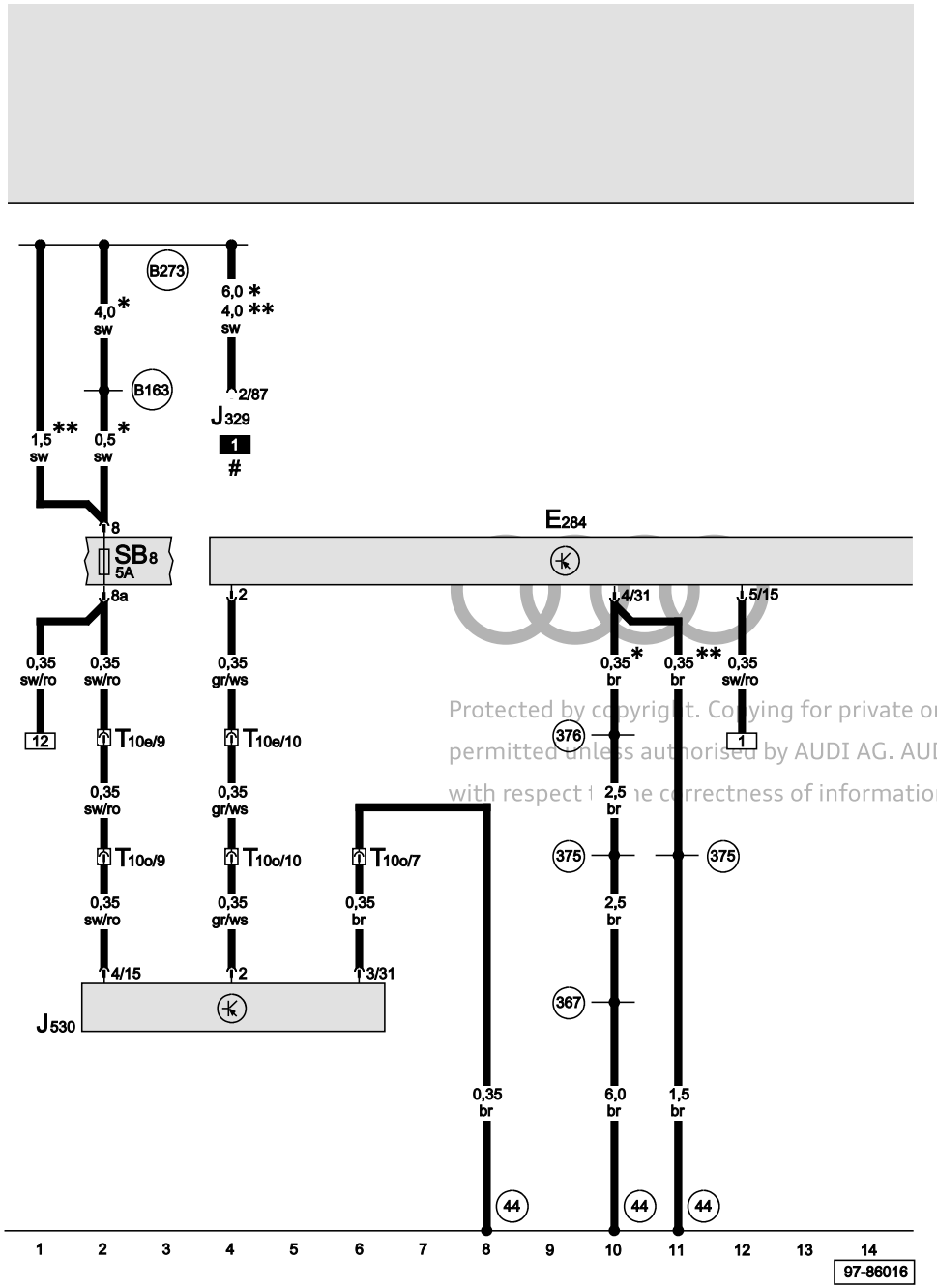
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Garage door operation control unit, garage door operating unit

E284	Garage door operating unit
J329	Terminal 15 voltage supply relay
J530	Garage door operation control unit
SB8	Fuse 8 on fuse holder
T10e	10-pin connector, grey, coupling station on left of A-pillar
T10o	10-pin connector, black, in front left engine compartment
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
375	Earth connection 10, in main wiring harness
376	Earth connection 11, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
*	up to October 2005
**	from November 2005
#	9-point relay carrier, behind driver storage compartment

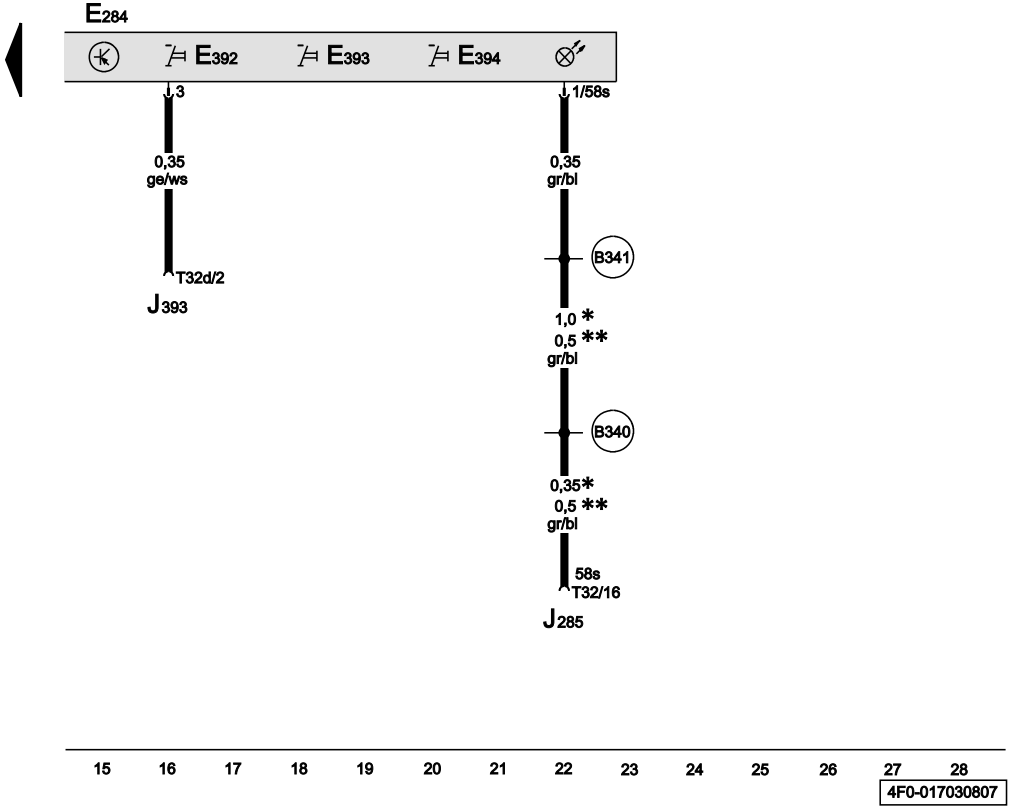
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Garage door operating unit, garage door opener button

E284	Garage door operating unit
E392	Garage door opener button 1
E393	Garage door opener button 2
E394	Garage door opener button 3
J285	Control unit in dash panel insert
J393	Convenience system central control unit
T32	32-pin connector, grey, on dash panel insert
T32d	32-pin connector, white, connector B, on convenience system central control unit
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	up to October 2005
**	from November 2005

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Multifunction steering wheel

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

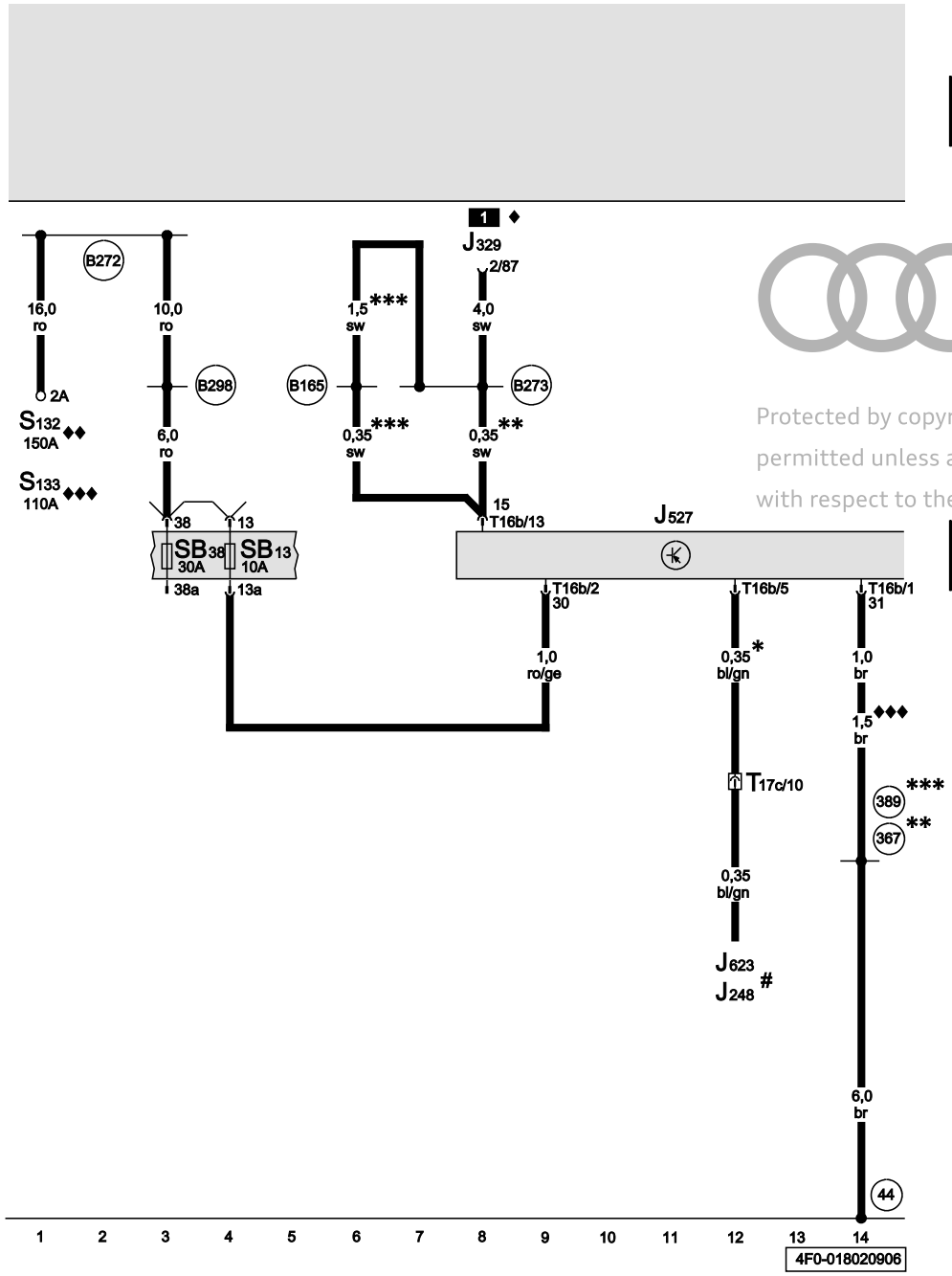
For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Steering column electronics control unit voltage supply

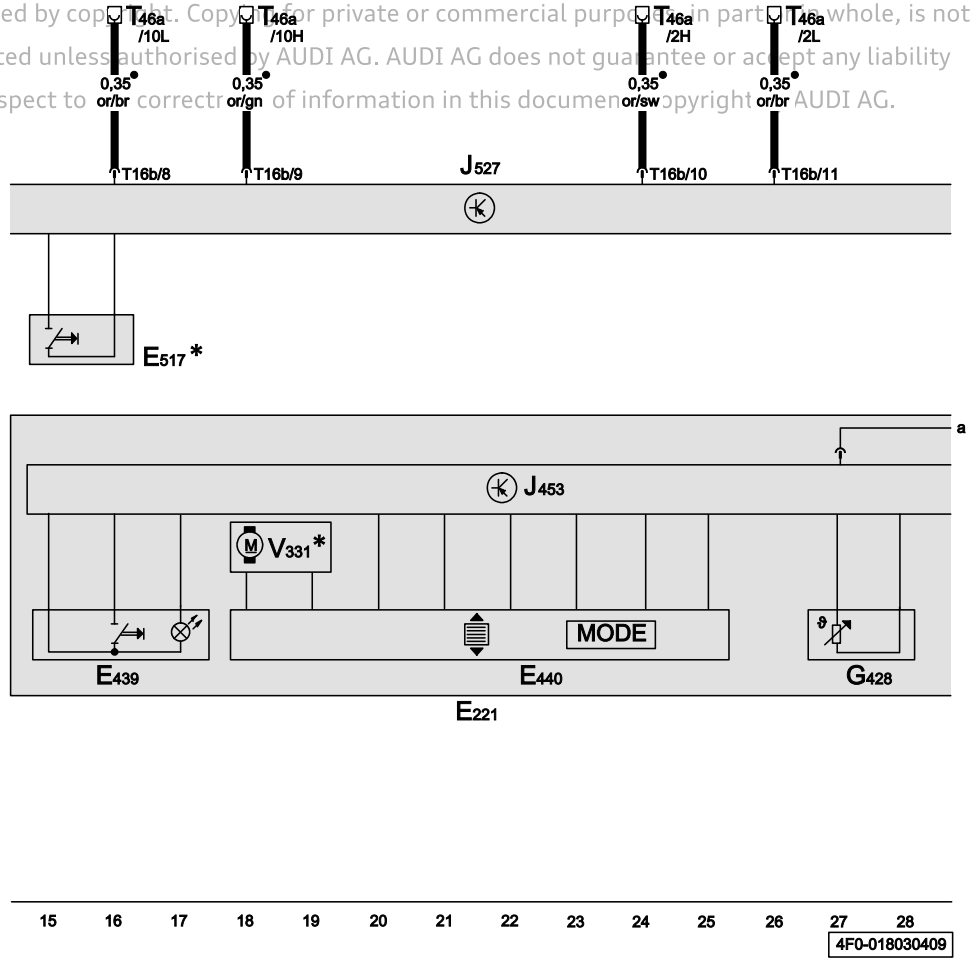


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J248	Diesel direct injection system control unit
J329	Terminal 15 voltage supply relay
J527	Steering column electronics control unit
J623	Engine control unit
S132	Fuse 2
S133	Fuse 3
SB13	Fuse 13 in fuse holder
SB38	Fuse 38 in fuse holder
T16b	16-pin connector, behind steering column switch trim
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
389	Earth connection 24, in main wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
*	models with cruise control system
**	up to October 2005
***	from November 2005
#	⇒ Engine Current Flow Diagram
♦	9-point relay carrier, behind driver storage compartment
♦♦	up to model year 2006
♦♦♦	from model year 2007

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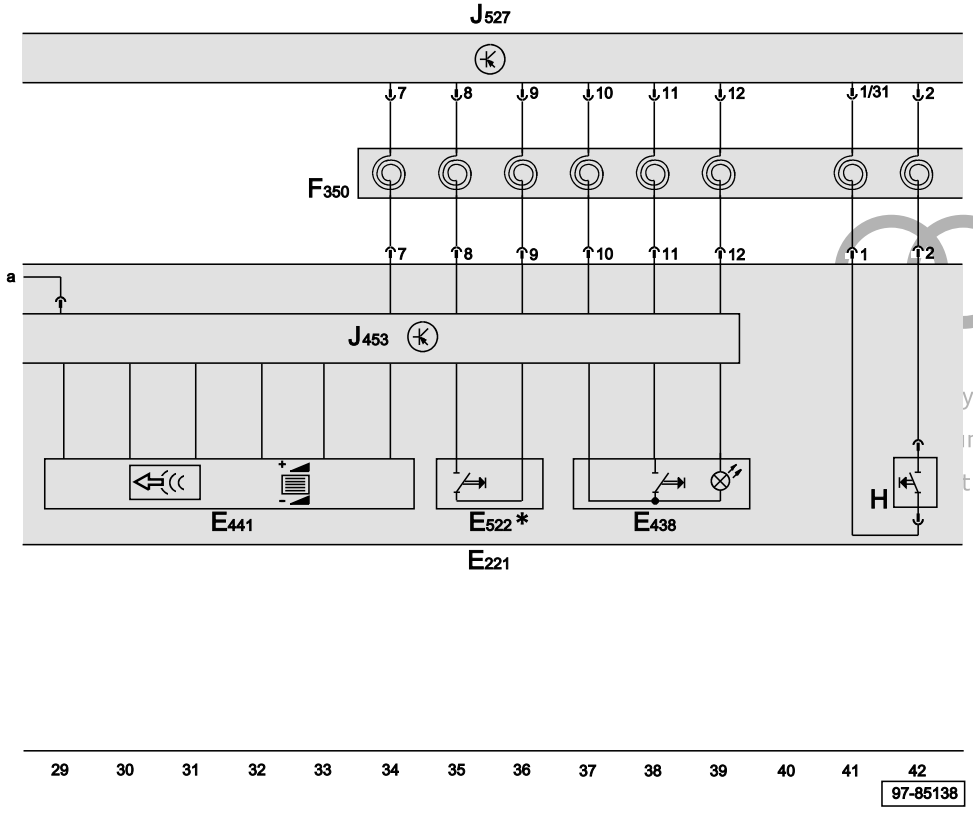
Steering column electronics control unit, operating unit in steering wheel

E221	Operating unit in steering wheel
E439	Tiptronic switch in steering wheel to shift down
E440	Multifunction buttons on left in steering wheel
E517	Lane departure warning button
G428	Heated steering wheel sensor
J453	Multifunction steering wheel control unit
J527	Steering column electronics control unit
T16b	16-pin connector, behind steering column switch trim
T46a	46-pin connector, CAN disconnector left
V331	Steering wheel vibration motor
•	CAN bus (data wire)
*	models with lane departure warning

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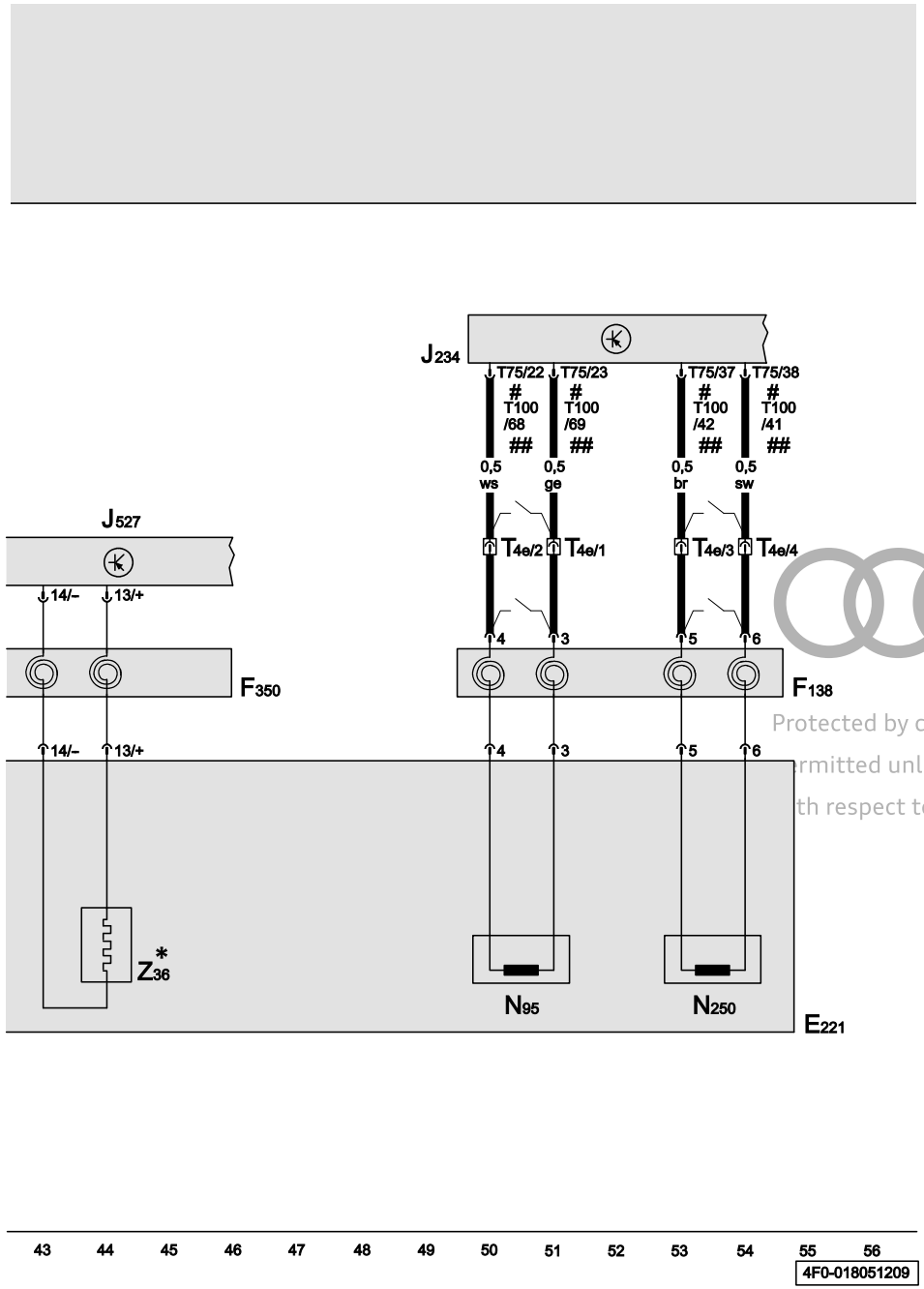
Steering column electronics control unit, operating unit in steering wheel, steering wheel heater button

E221	Operating unit in steering wheel
E438	Tiptronic switch in steering wheel to shift up
E441	Multifunction buttons on right in steering wheel
E522	Steering wheel heater button
F350	Coil connector
H	Horn plate
J453	Multifunction steering wheel control unit
J527	Steering column electronics control unit
*	models with heated steering wheel



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Steering column electronics control unit, operating unit in steering wheel, driver side airbag igniter, heated steering wheel

E221	Operating unit in steering wheel
F138	Airbag coil connector and return spring with slip ring
F350	Coil connector
J234	Airbag control unit
J527	Steering column electronics control unit
N95	Driver side airbag igniter
N250	Driver side airbag igniter 2
T4e	4-pin connector, yellow, behind steering column switch trim (airbag)
T75	75-pin connector, grey (USA: white), on airbag control unit
T100	100-pin connector, blue (USA: purple), on airbag control unit
Z36	Heated steering wheel
*	Operating convenience CAN bus by heated driver seat regulator
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/kurzbr_r.png" content-width="20pt" scaling="uniform"/>	short circuit bridge becomes effective when connector is unplugged
#	up to May 2008
##	from June 2008

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

Adaptive suspension

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

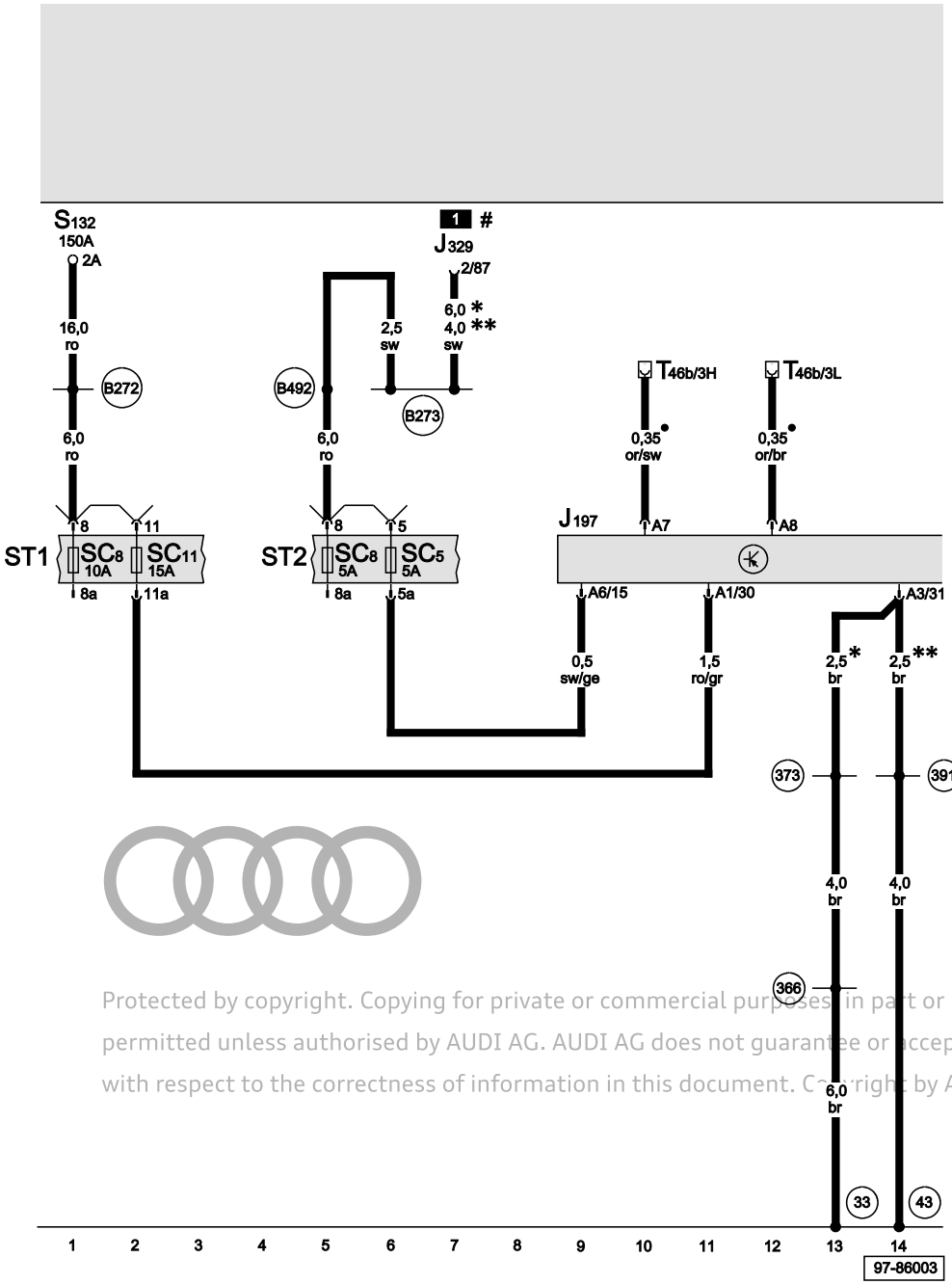
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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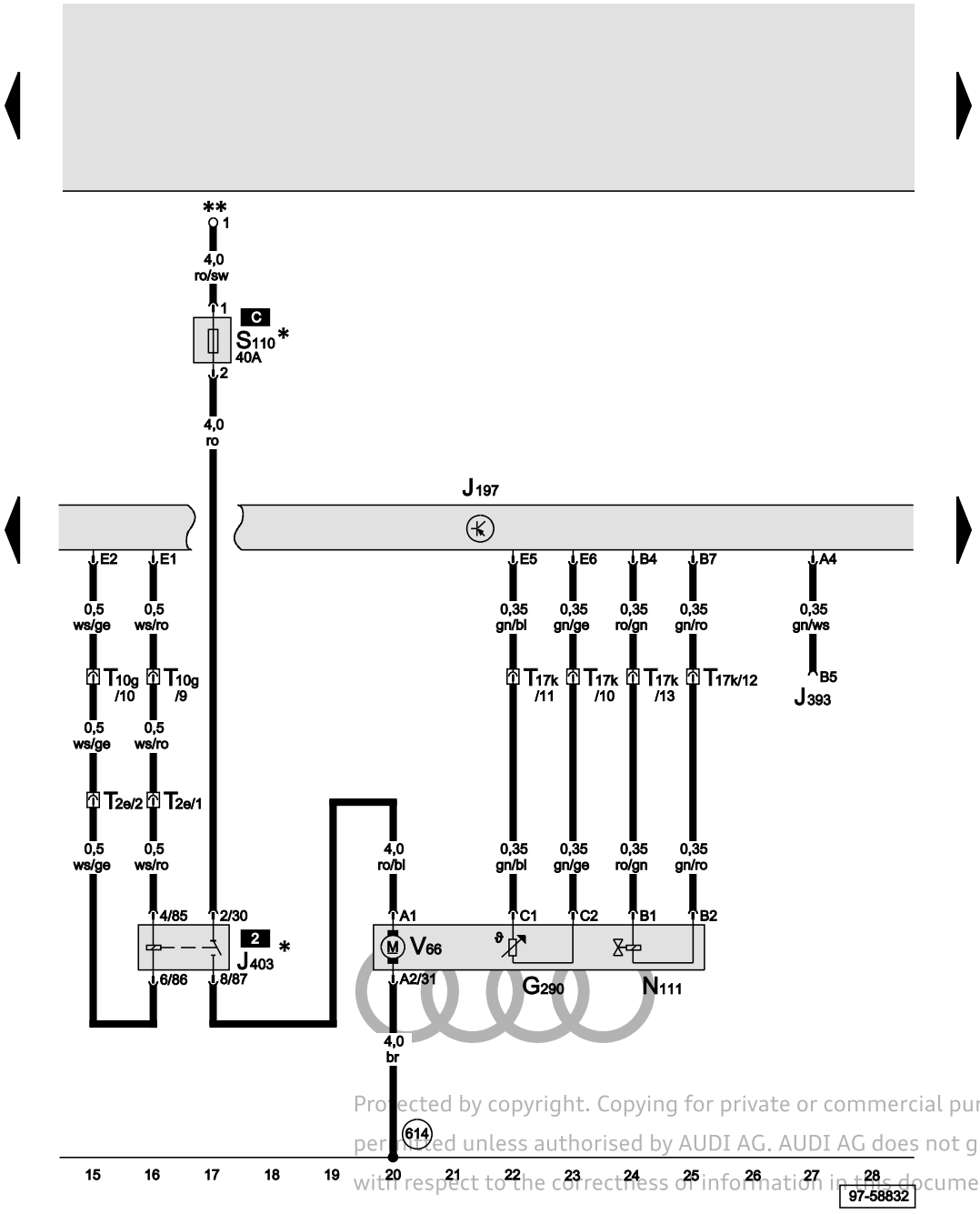


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Adaptive suspension control unit, fuses

J197	Adaptive suspension control unit
J329	Terminal 15 voltage supply relay
S132	Fuse 2
SC5	Fuse 5 on fuse holder
SC8	Fuse 8 on fuse holder
SC11	Fuse 11 on fuse holder
T46b	46-pin connector, CAN separating connector right
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005
#	9-point relay carrier, behind driver storage compartment



Adaptive suspension control unit, adaptive suspension compressor relay, adaptive suspension compressor motor, compressor temperature sender for adaptive suspension system, adaptive suspension drain valve

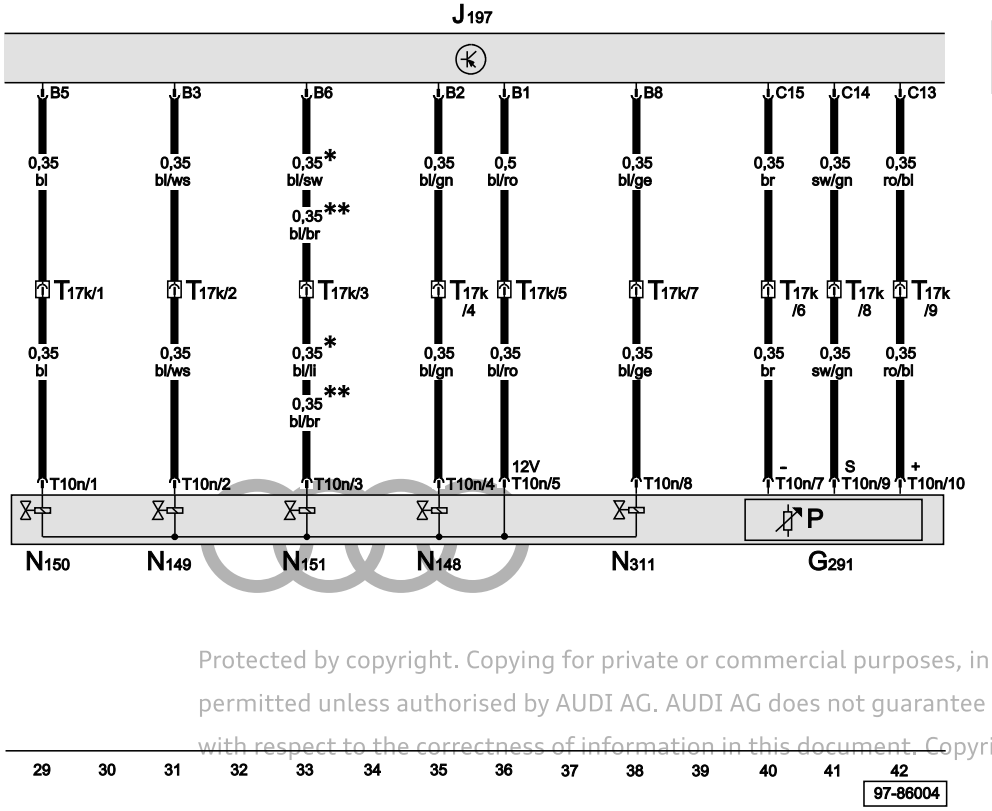
G290	Compressor temperature sender for adaptive suspension system
J197	Adaptive suspension control unit
J393	Convenience system central control unit
J403	Adaptive suspension compressor relay
N111	Adaptive suspension drain valve
S110	Levelling system fuse
T2e	2-pin connector, black, in front right engine compartment
T10g	10-pin connector, yellow, coupling station on right of A-pillar
T17k	17-pin connector, orange, coupling station on right of A-pillar
V66	Adaptive suspension compressor motor
614	Earth point 2, on right in engine compartment
*	Relay carrier electronics box on right in plenum chamber
**	Main fuse carrier electronics box right in plenum chamber

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br	=	brown
gn	=	green
bl	=	blue
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Adaptive suspension control unit, valve block

G291	Adaptive suspension pressure sender
J197	Adaptive suspension control unit
N148	Suspension strut valve, front left
N149	Suspension strut valve, front right
N150	Suspension strut valve, rear left
N151	Suspension strut valve, rear right
N311	Adaptive suspension pressure accumulator valve
T10n	10-pin connector, black, on valve block
T17k	17-pin connector, orange, coupling station on right of A-pillar
*	up to model year 2005
**	from model year 2006

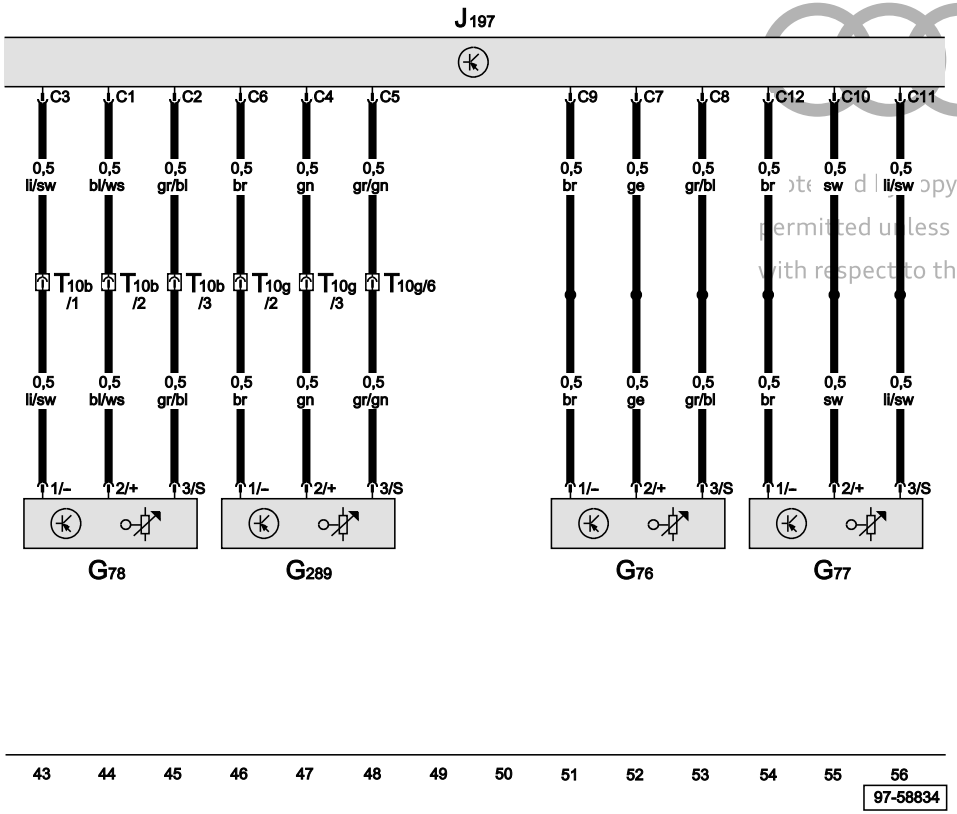


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Adaptive suspension control unit, vehicle inclination sender

G76	Rear left vehicle level sender
G77	Rear right vehicle level sender
G78	Front left vehicle level sender
G289	Front right vehicle level sender
J197	Adaptive suspension control unit
T10b	10-pin connector, blue, coupling station on left of A-pillar
T10g	10-pin connector, yellow, coupling station on right of A-pillar



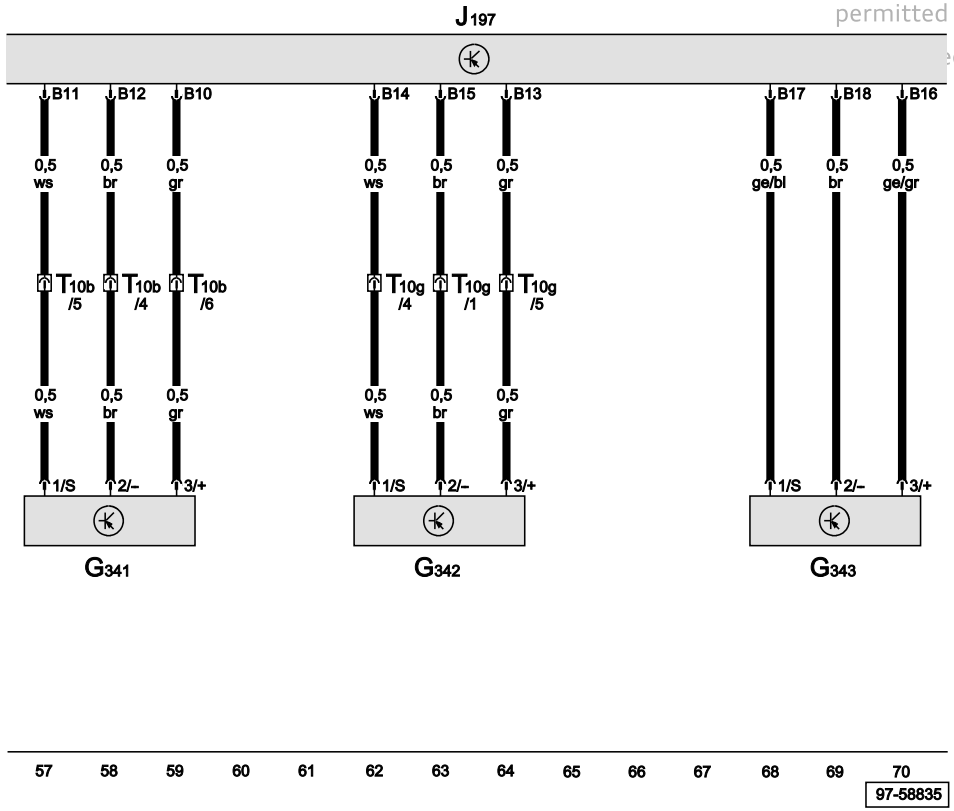
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rs	=	pink

Adaptive suspension control unit, body acceleration sender

G341 Front left body acceleration sender
G342 Front right body acceleration sender
G343 Rear body acceleration sender
J197 Adaptive suspension control unit
T10b 10-pin connector, blue, coupling station on left of A-pillar
T10g 10-pin connector, yellow, coupling station on right of A-pillar

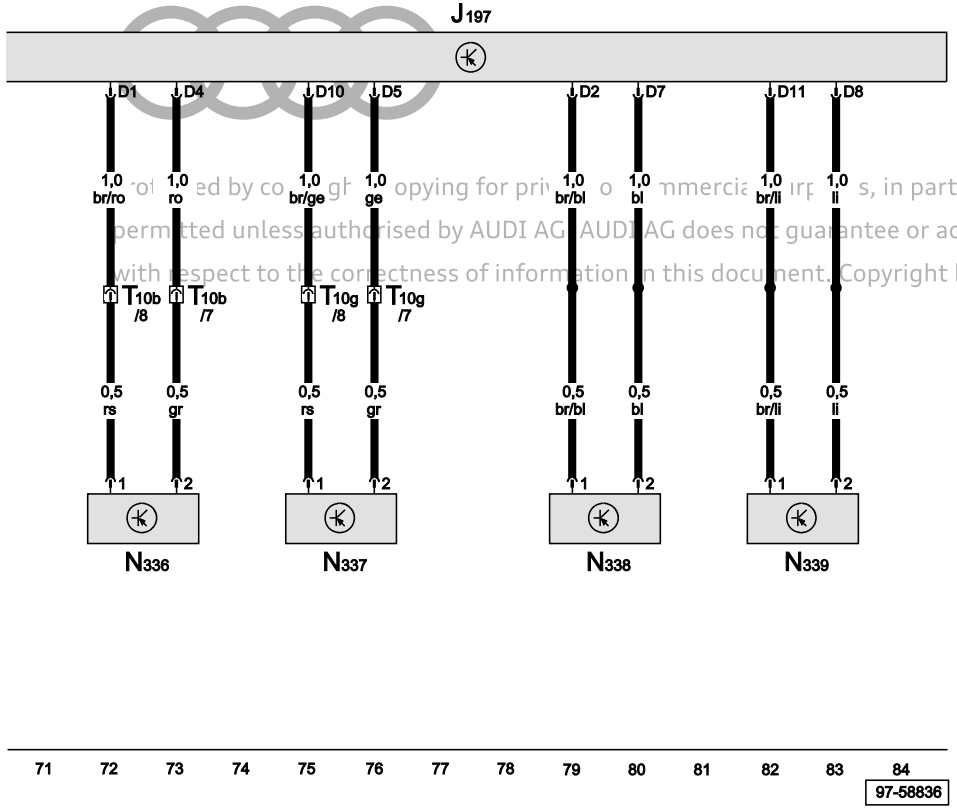
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Adaptive suspension control unit, shock absorber damper adjustment valve

J197 Adaptive suspension control unit
N336 Front left shock absorber damper adjustment valve
N337 Front right shock absorber damper adjustment valve
N338 Rear left shock absorber damper adjustment valve
N339 Rear right shock absorber damping adjustment valve
T10b 10-pin connector, blue, coupling station on left of A-pillar
T10g 10-pin connector, yellow, coupling station on right of A-pillar



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Auxiliary heater

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

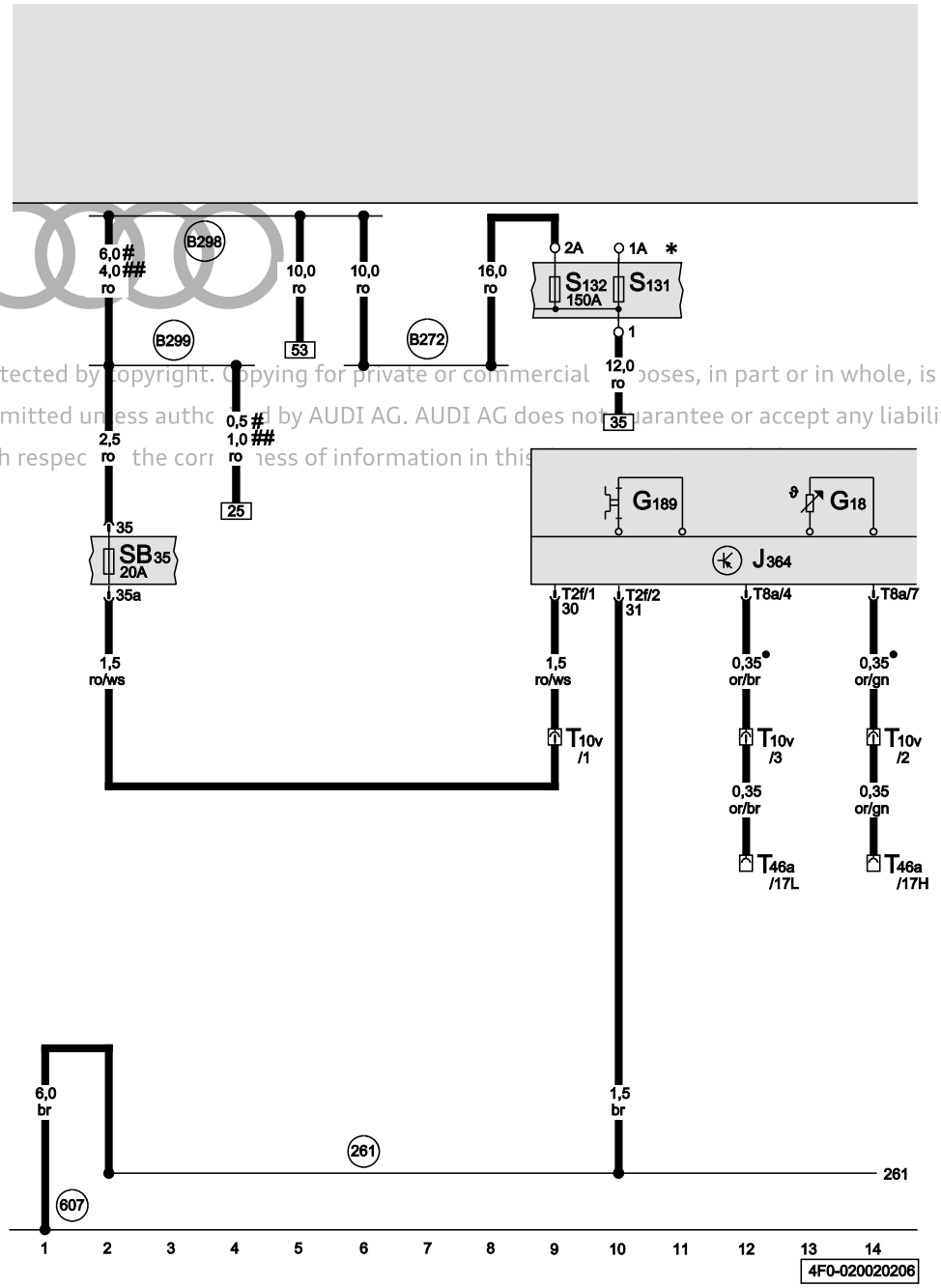
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Auxiliary heater control unit, fuses

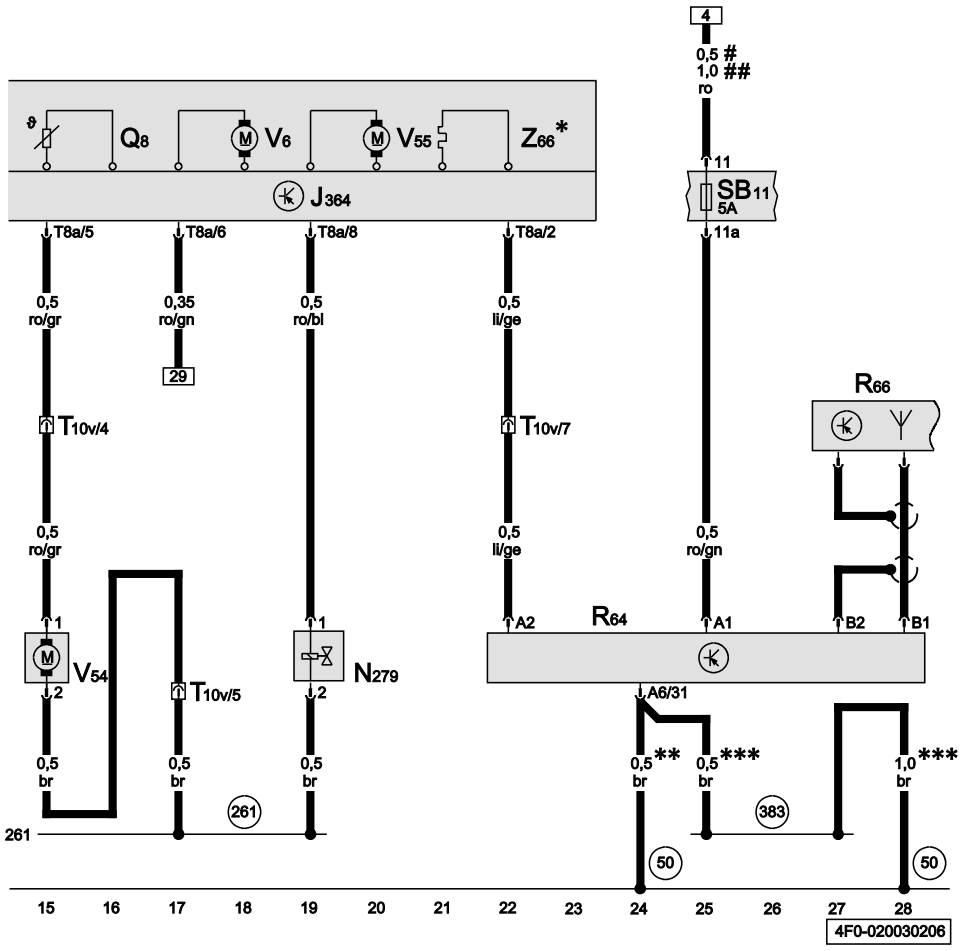
G18	Temperature sensor
G189	Overheating sensor
J364	Auxiliary heater control unit
S131	Fuse 1
S132	Fuse 2
SB35	Fuse 35 on fuse holder
T2f	2-pin connector, black, on auxiliary heater control unit
T8a	8-pin connector, black, on auxiliary heater control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN separating connector left
261	Earth connection, in heated washer jet wiring harness
607	Earth point, on left in plenum chamber
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
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
#	up to October 2005
##	from November 2005

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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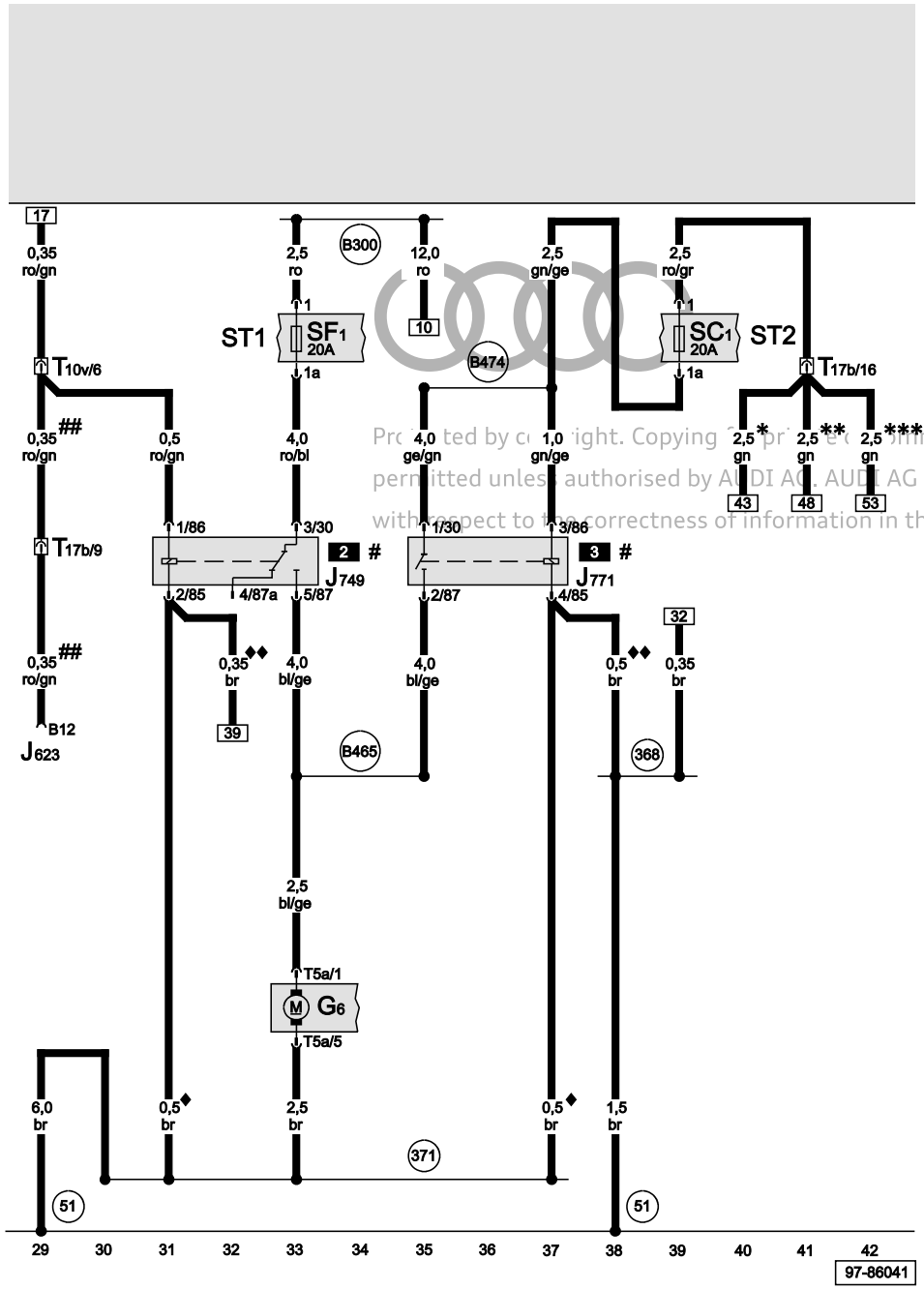
Auxiliary heater control unit, heater coolant shut-off valve, remote control receiver for auxiliary heating, metering pump

J364	Auxiliary heater control unit
N279	Heater coolant shut-off valve
Q8	Glow plug with flame monitor
R64	Remote control receiver for auxiliary heating
R66	Telephone, navigation system and auxiliary heater aerial
SB11	Fuse 11 on fuse holder
T8a	8-pin connector, black, on auxiliary heater control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
V6	Combustion air blower
V54	Metering pump
V55	Circulation pump
Z66	Fuel pre-heating heater element
50	Earth point, on left in luggage compartment
261	Earth connection, in heated washer jet wiring harness
383	Earth connection 18, in main wiring harness
*	models with diesel engine only
**	saloon models
***	Avant
#	up to October 2005
##	from November 2005

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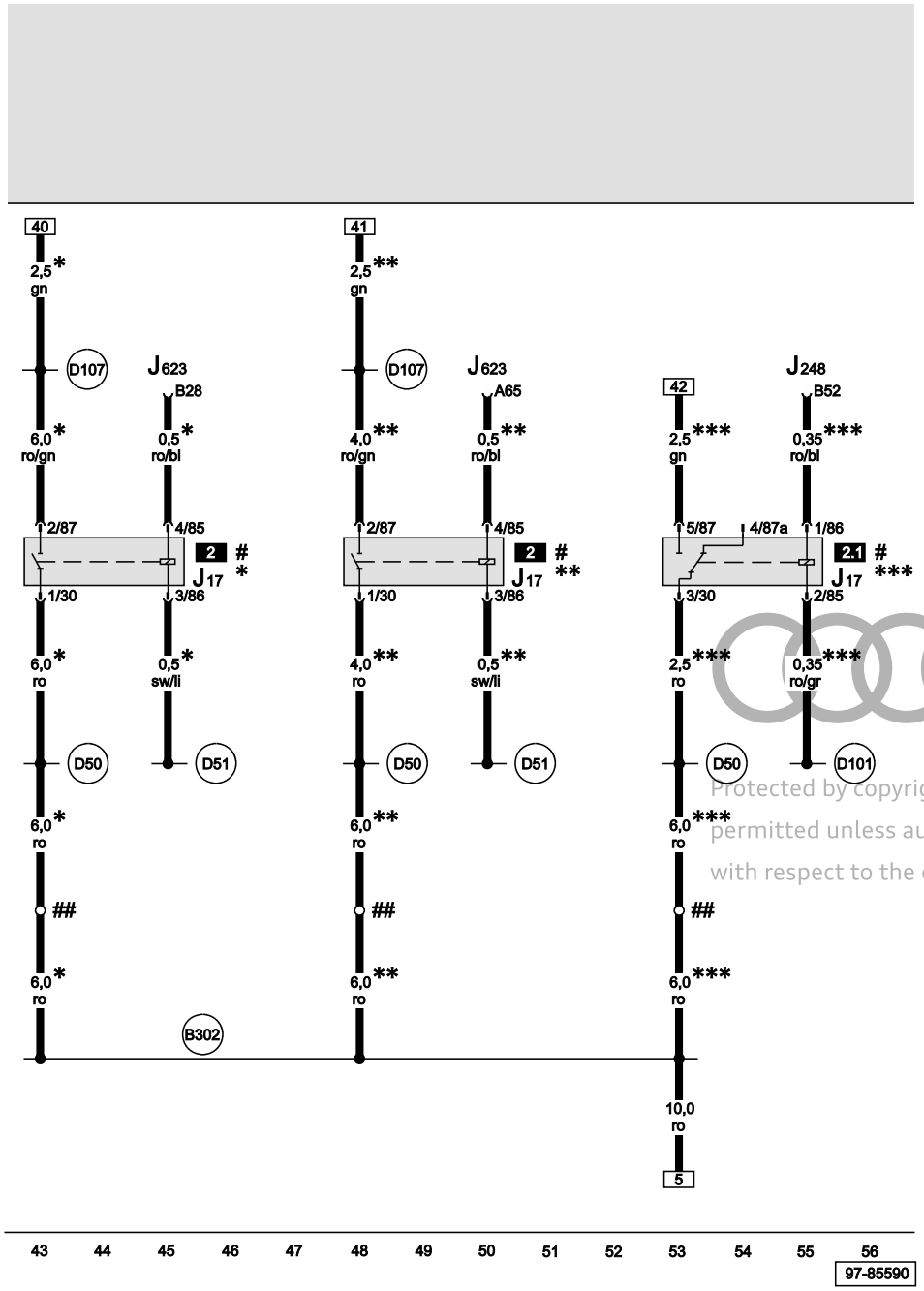


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Fuel pump relay for auxiliary heater, fuses

G6	Fuel system pressurisation pump
J623	Engine control unit
J749	Fuel pump relay for auxiliary heater
J771	Blocking relay
SC1	Fuse 1 on fuse holder
SF1	Fuse 1 on fuse holder
T5a	5-pin connector, black, on fuel tank
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B465	Connection 1, in main wiring harness
B474	Connection 10, in main wiring harness
*	2.4 l Motor, engine code BDW
**	4.2 l engine, engine code BAT, BNK 3.0 l Motor, engine code BBJ
***	3.0 l Diesel engine, engine codes BMK, BNG
#	Fuse and relay carrier right in luggage compartment
##	3.2 l engine, engine codes AUK, BKH
♦	up to October 2005
♦♦	from November 2005

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



Fuel pump relay

J17	Fuel pump relay
J248	Diesel direct injection system control unit
J623	Engine control unit
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
*	2.4 l Motor, engine code BDW
**	4.2 l engine, engine code BAT, BNK 3.0 l Motor, engine code BBJ
***	3.0 l Diesel engine, engine codes BMK, BNG
#	Relay carrier electronics box left in plenum chamber
##	Screw connection electronics box left in plenum chamber

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Entry and start authorisation, entry and start authorisation with Kessy

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

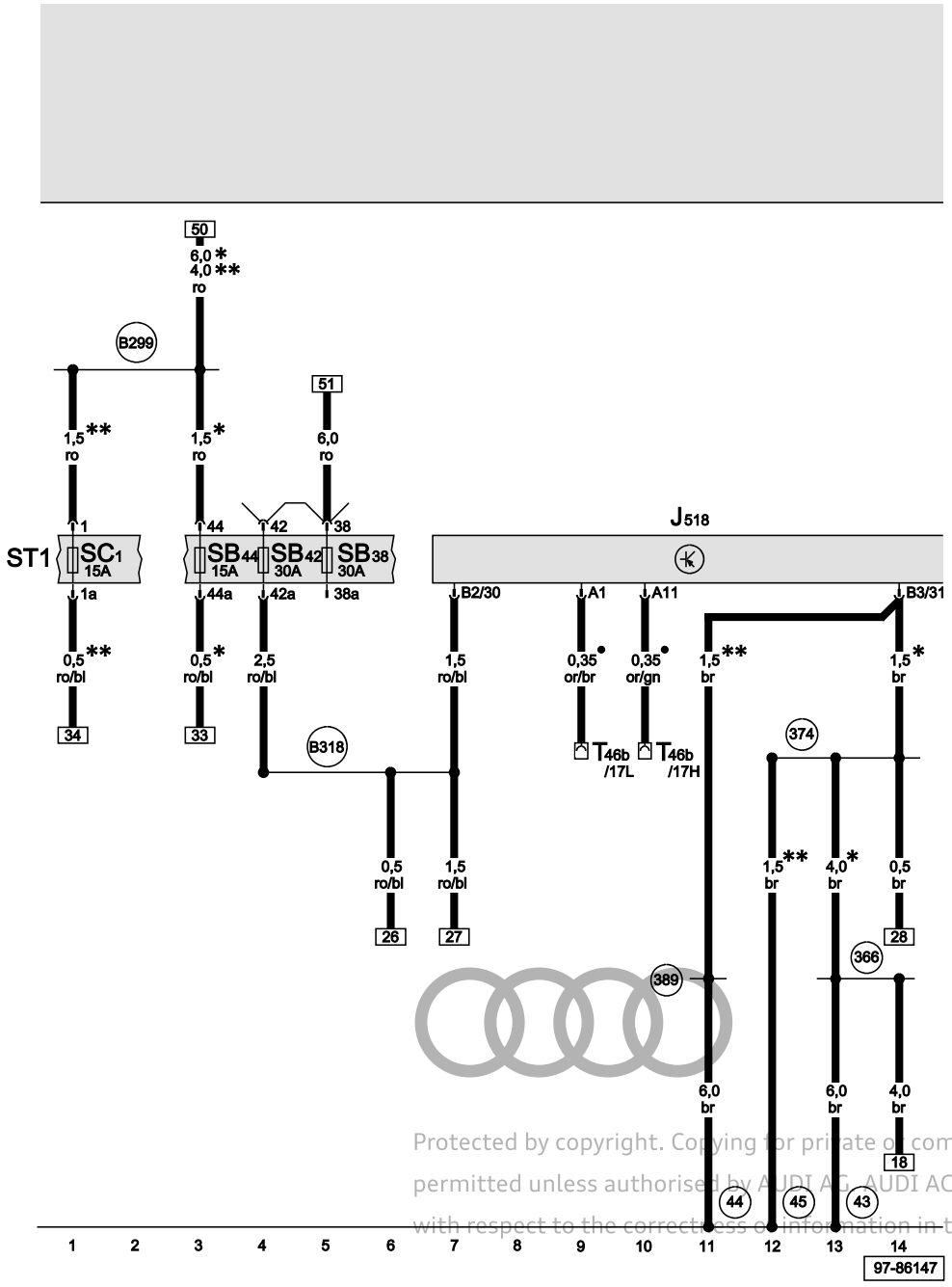
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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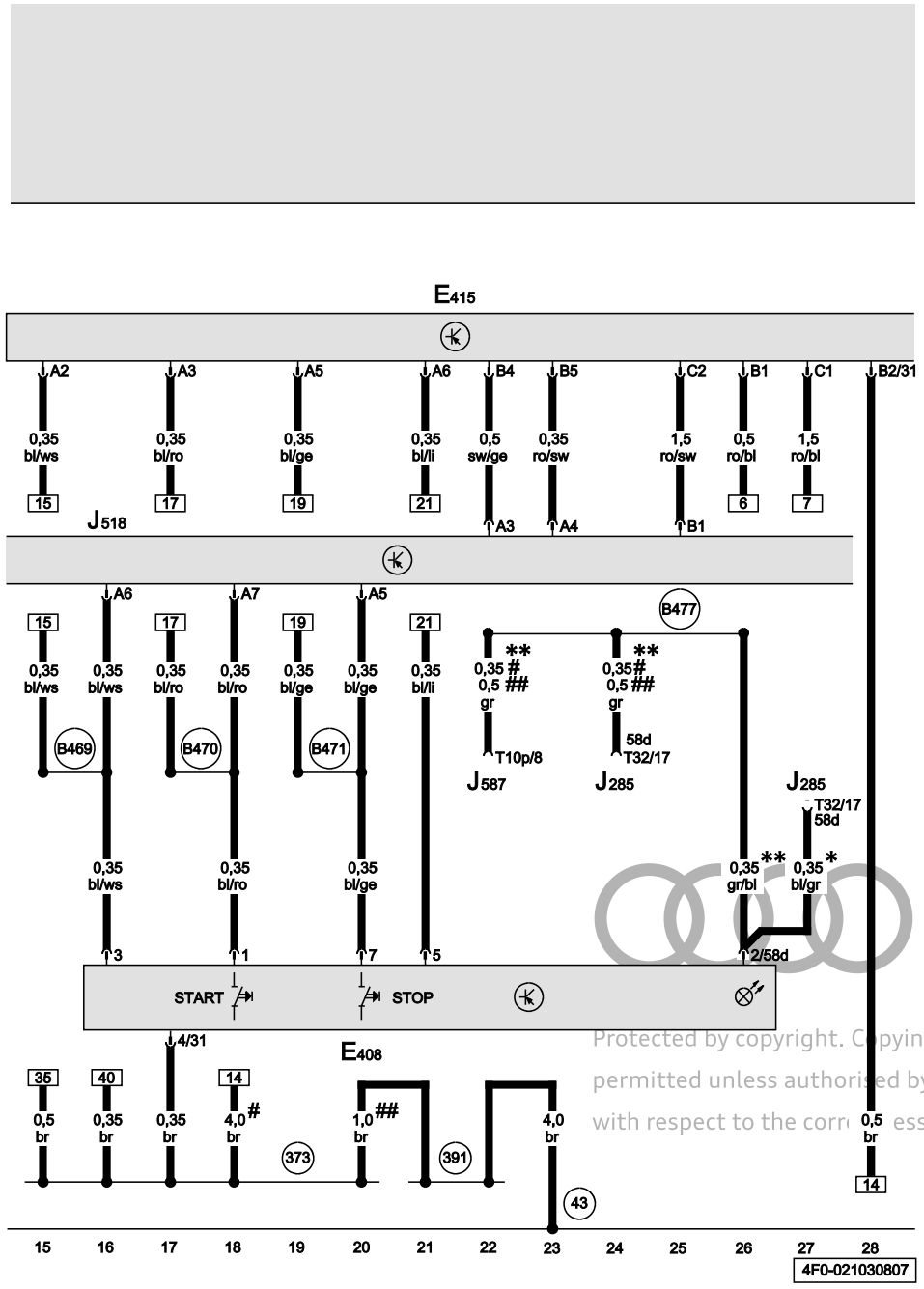


Entry and start authorisation control unit, fuses

J518	Entry and start authorisation control unit
SB38	Fuse 38 on fuse holder
SB42	Fuse 42 on fuse holder
SB44	Fuse 44 on fuse holder
SC1	Fuse 1 on fuse holder
T46b	46-pin connector, CAN separating connector right
43	Earth point, lower part of right A-pillar
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
366	Earth connection 1, in main wiring harness
374	Earth connection 9, in main wiring harness
389	Earth connection 24, in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005

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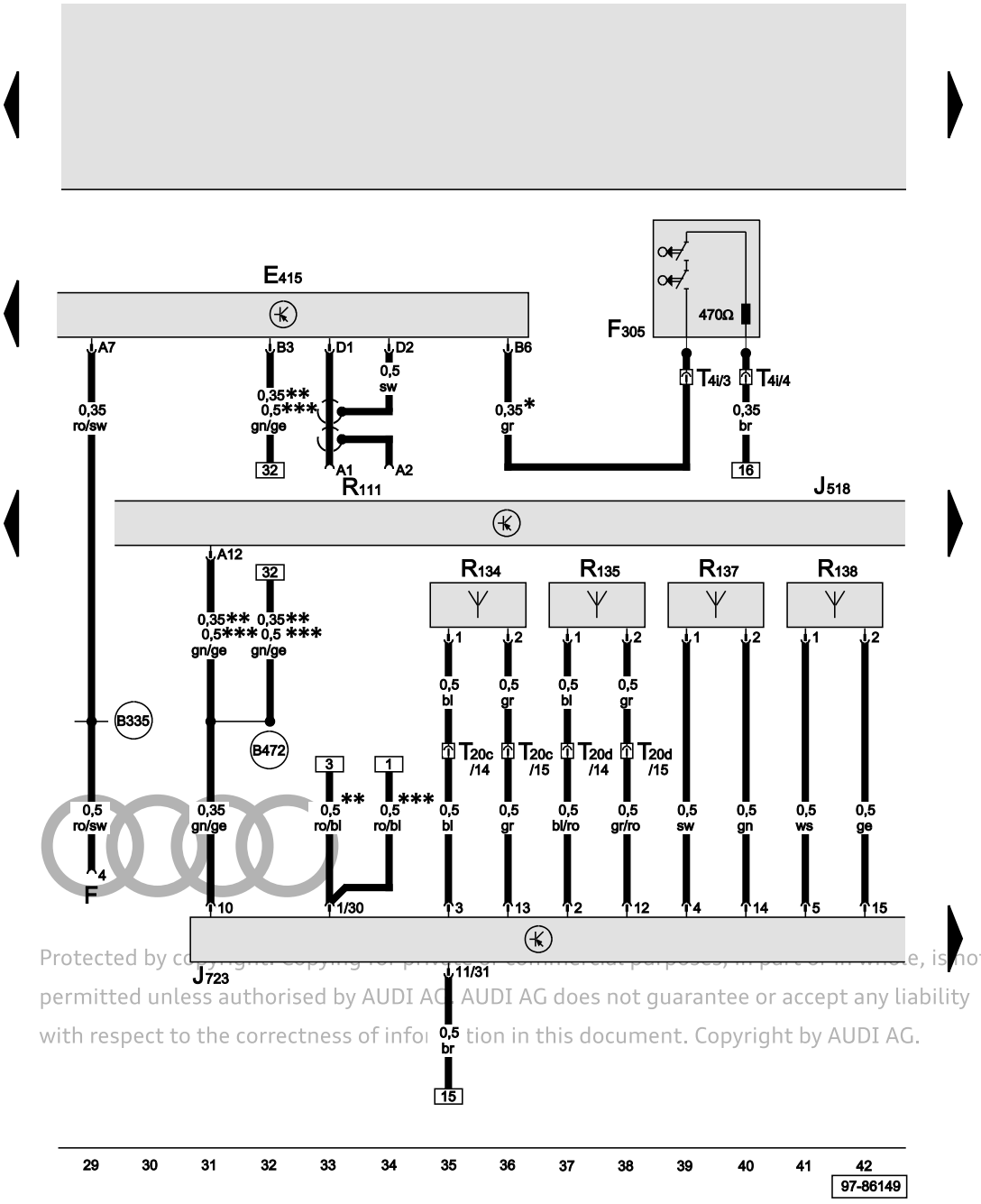


Entry and start authorisation control unit, entry and start authorisation switch, entry and start authorisation button

E408	Entry and start authorisation button
E415	Entry and start authorisation switch
J285	Control unit in dash panel insert
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
T10p	10-pin connector, black, on selector lever sensors control unit
T32	32-pin connector, grey, on dash panel insert
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B469	Connection 5 in main wiring harness
B470	Connection 6 in main wiring harness
B471	Connection 7 in main wiring harness
B477	Connection 13 in main wiring harness
*	models with manual gearbox
**	models with automatic gearbox
#	up to October 2005
##	from November 2005

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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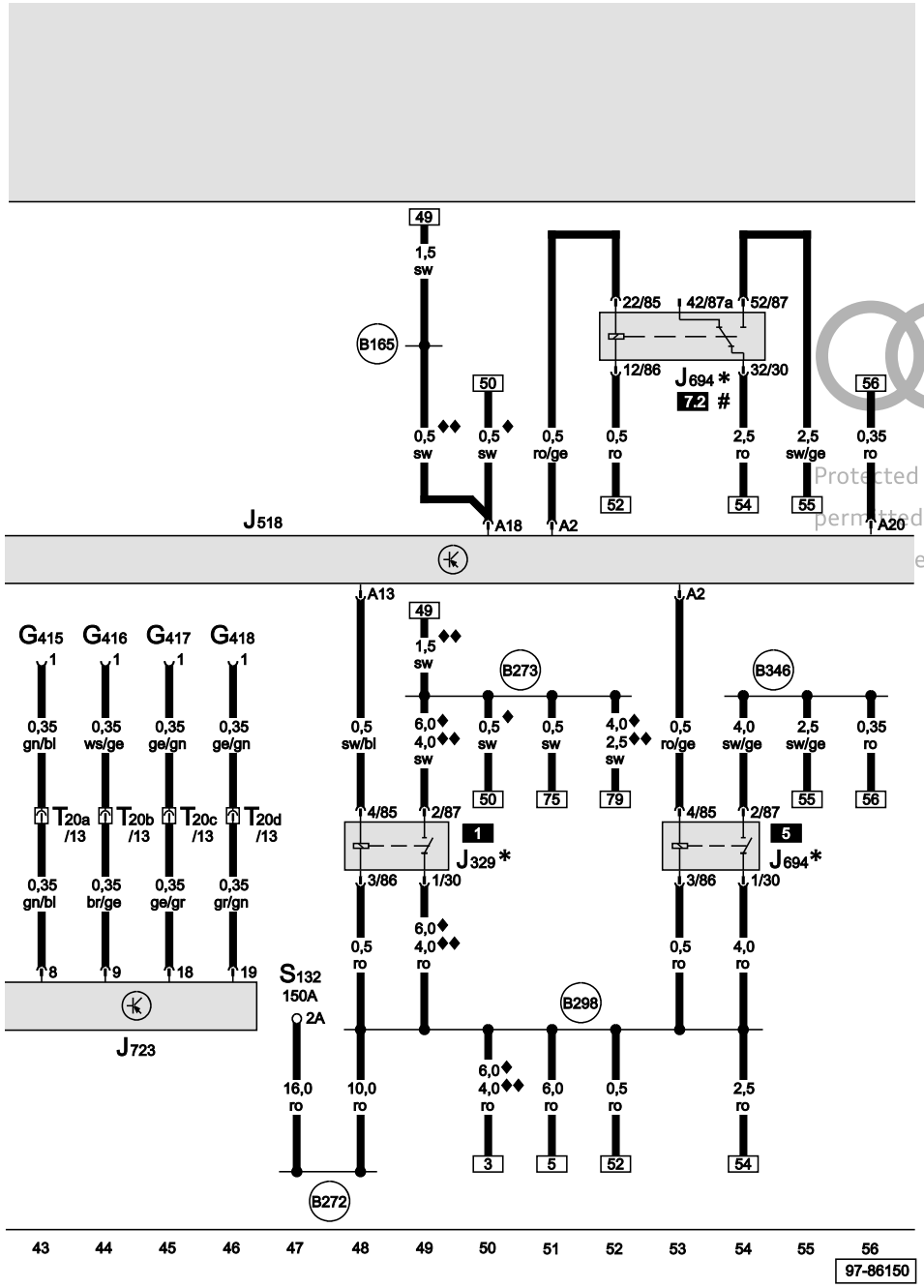
Entry and start authorisation control unit, entry and start authorisation switch, aerial for entry and start authorisation, aerial reader unit for keyless entry system

E415	Entry and start authorisation switch
F	Brake light switch
F305	Gear selector position P switch
J518	Entry and start authorisation control unit
J723	Aerial reader unit for keyless entry system
R111	Aerial amplifier 2
R134	Driver side aerial for entry and start authorisation
R135	Front passenger side aerial for entry and start authorisation
R137	Luggage compartment aerial for entry and start authorisation
R138	Interior aerial 1 for entry and start authorisation
T4i	4-pin connector, black, in centre console on selector lever console
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar
B335	Connection 1 (54), in main wiring harness
B472	Connection 8 in main wiring harness
*	models with automatic gearbox
**	up to October 2005
***	from November 2005

ws	=	white
sw	=	black
ro	=	red
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Entry and start authorisation control unit, aerial reader unit for keyless entry system, terminal 15 voltage supply relay, terminal 75x voltage supply relay

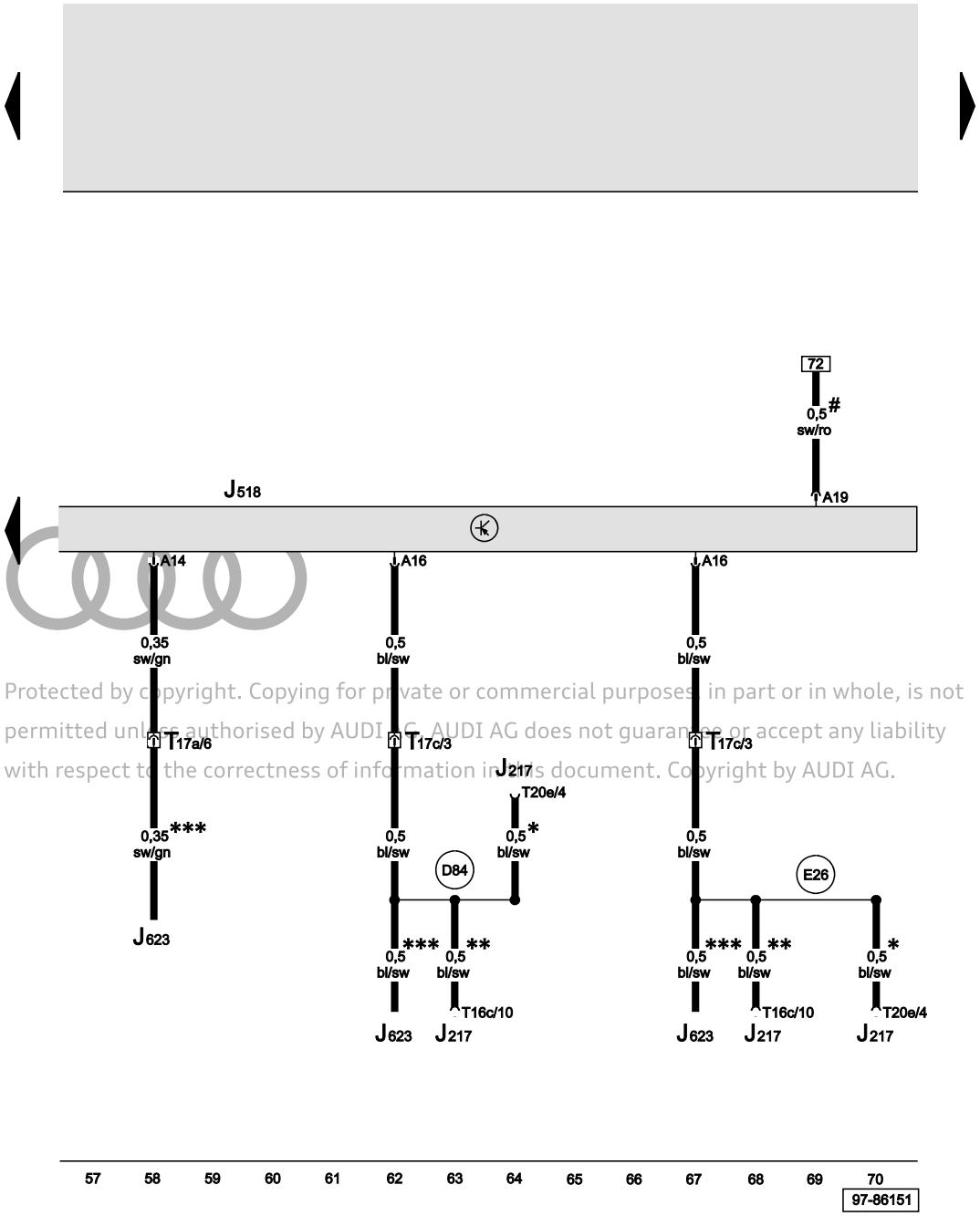


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G415	Driver door exterior handle touch sensor
G416	Front passenger door exterior handle touch sensor
G417	Rear left door exterior handle touch sensor
G418	Rear right door exterior door handle touch sensor
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J694	Terminal 75x voltage supply relay
J723	Aerial reader unit for keyless entry system
S132	Fuse 2
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B346	Connection 1 (75), in main wiring harness

* 9-point relay carrier, behind driver storage compartment
\# from model year 2006
◆ up to October 2005
◆◆ from November 2005

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br	=	brown
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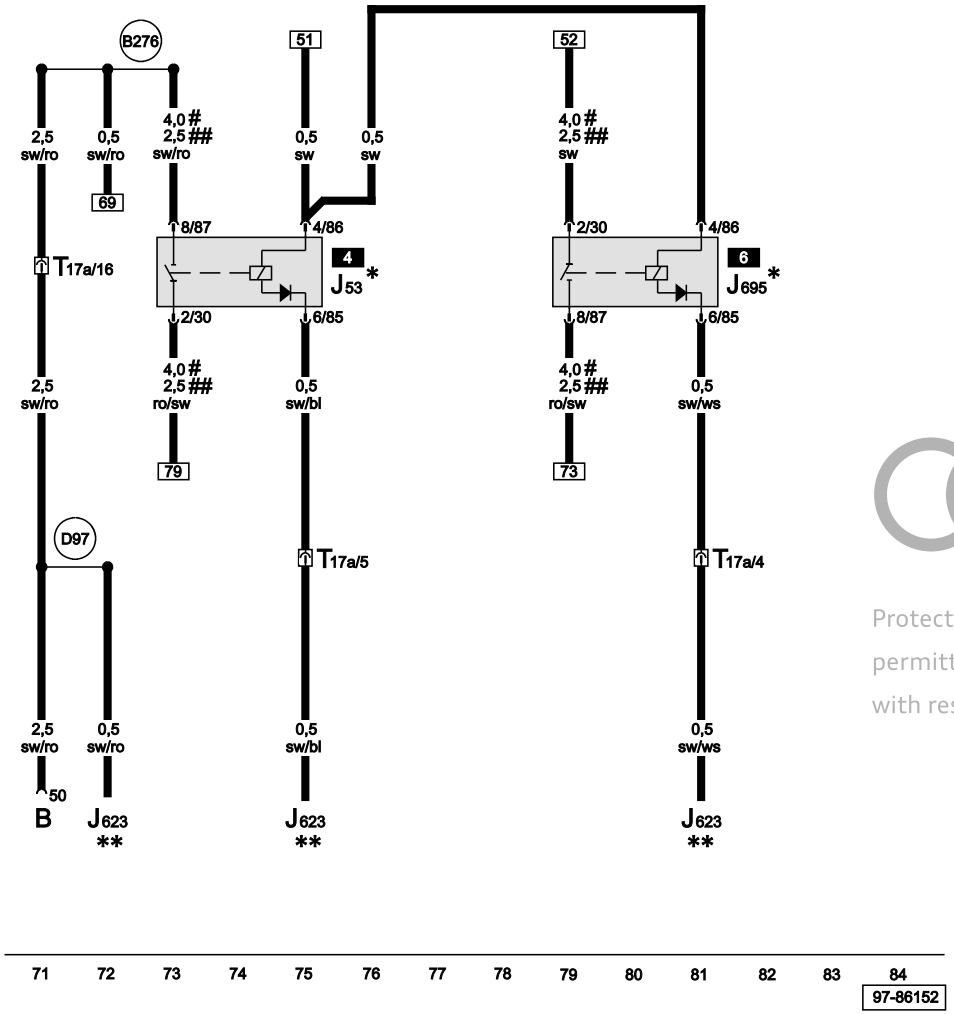


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Entry and start authorisation control unit

J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
D84	Connection (automatic gearbox), in engine compartment wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
*	models with automatic gearbox 01J
**	models with automatic gearbox 09L
***	see engine Current Flow Diagram
#	no longer fitted, phased from model year 2006

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



Starter motor relay, starter motor relay 2

B	Starter
J53	Starter motor relay
J623	Engine control unit
J695	Starter motor relay 2
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
B276	Positive connection (50), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	9-point relay carrier, behind driver storage compartment
**	⇒ Engine Current Flow Diagram
#	up to October 2005
##	from November 2005

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Automatic gearbox multitronic® 01J

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

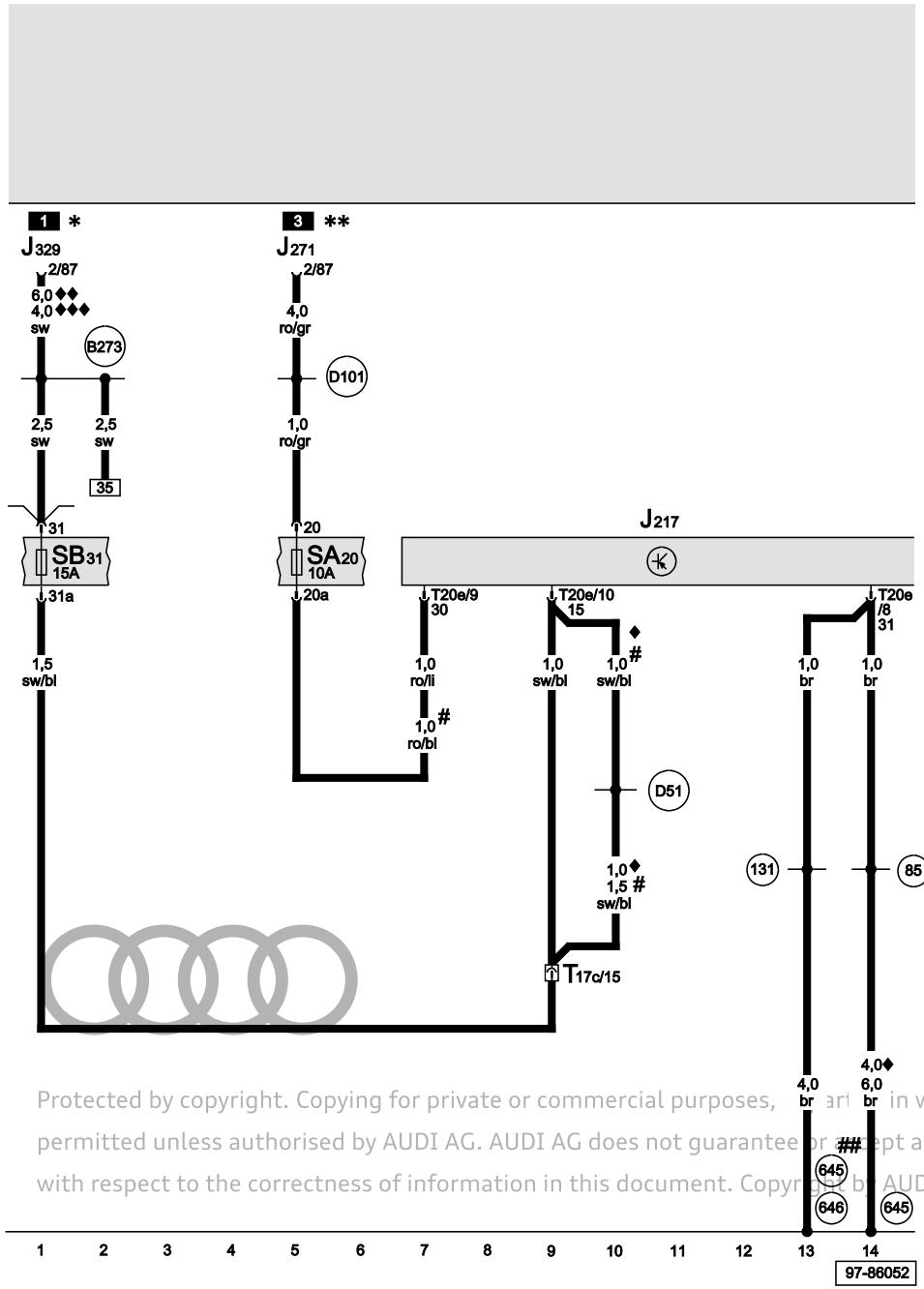
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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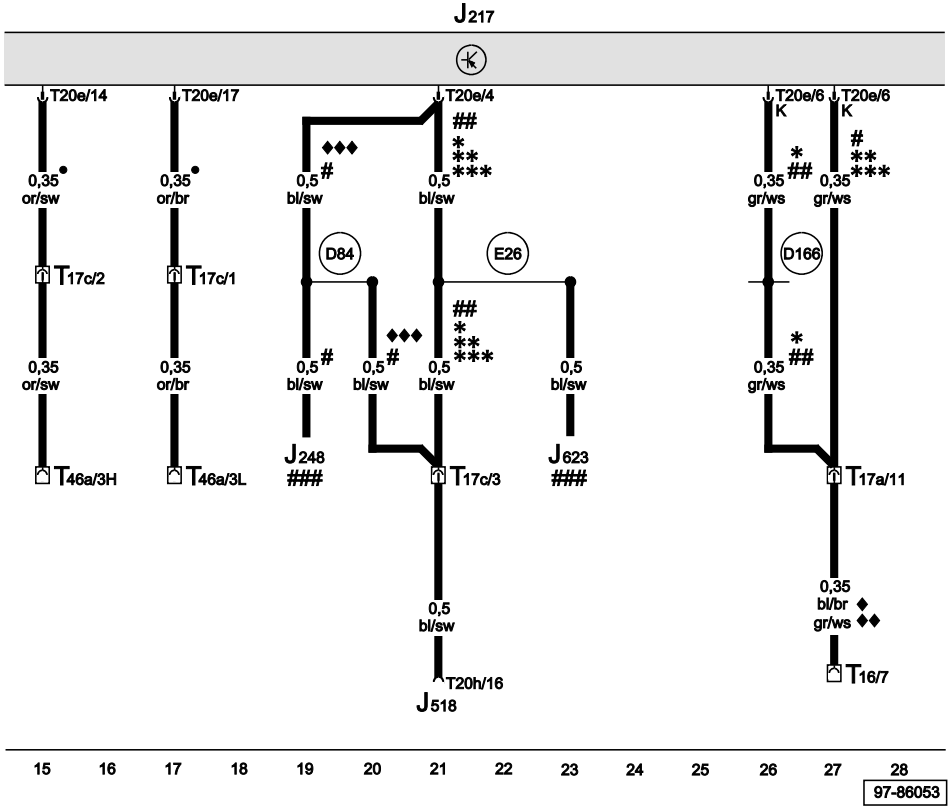
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Automatic gearbox control unit, fuses

J217	Automatic gearbox control unit
J271	Motronic current supply relay
J329	Terminal 15 voltage supply relay
SA20	Fuse 10 on fuse holder engine compartment
SB31	Fuse 31 on fuse holder
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
B273	Positive connection (15), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	9-point relay carrier, behind driver storage compartment
**	Relay carrier electronics box left in plenum chamber
#	2.0 l Diesel engine, engine codes BLB, BNA, BRE, BRF
##	3.0 l Motor, engine code BBJ 2.0 l engine, engine code BPJ 3.2 l engine, engine codes AUK, BKH
♦	2.7 l Diesel engine, engine codes BPP, BSG
♦♦	up to October 2005
♦♦♦	from November 2005

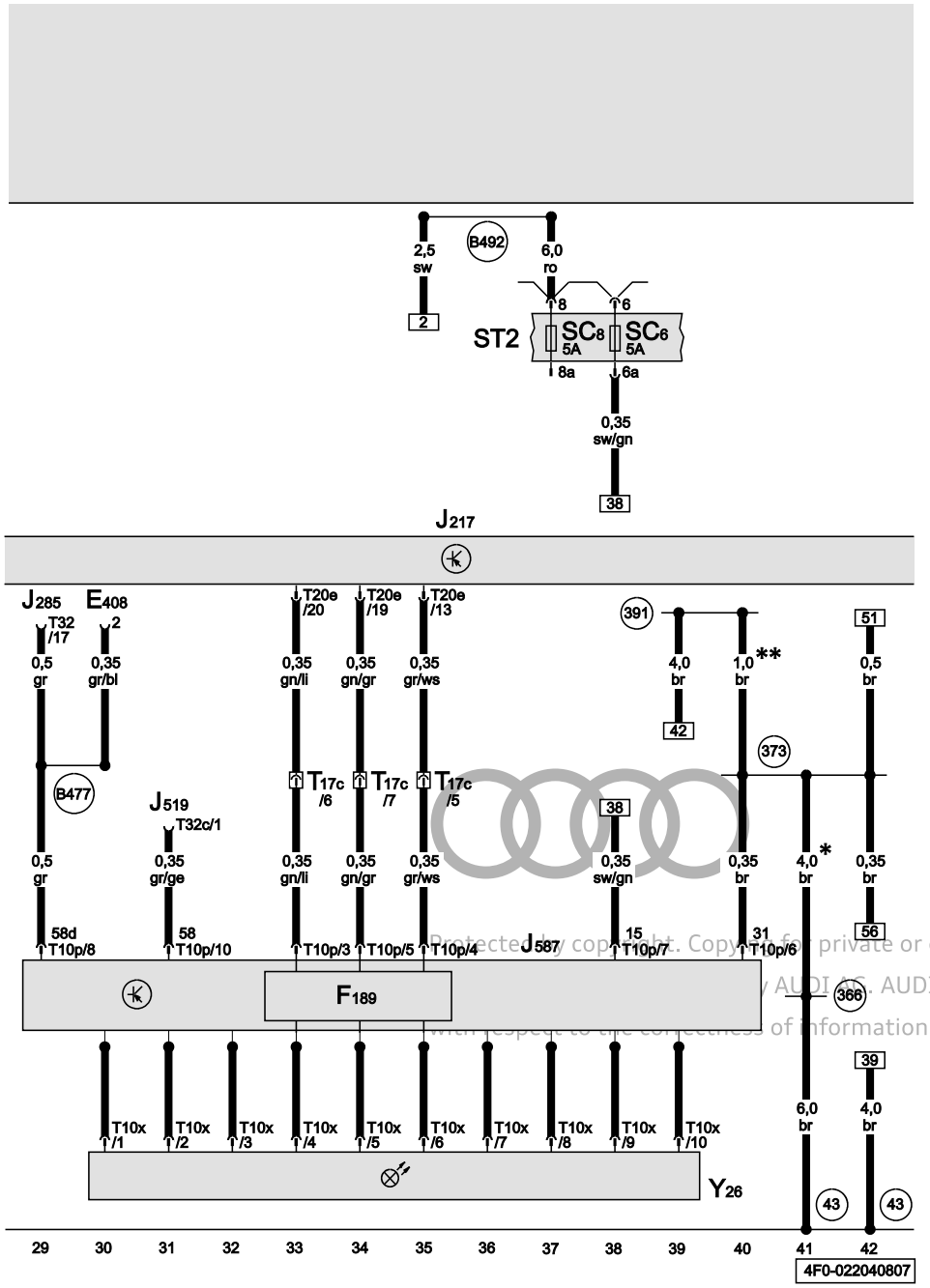
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Automatic gearbox control unit

J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
T16	16-pin connector, diagnostic connector
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN separating connector left
D84	Connection (automatic gearbox), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
•	CAN bus (data wire)
*	3.0 l Motor, engine code BBJ
**	2.4 l Motor, engine code BDW
***	3.2 l engine, engine codes AUK, BKH
#	2.0 l Diesel engine, engine codes BLB, BNA, BRE, BRF
##	2.0 l engine, engine code BPJ
###	see engine Current Flow Diagram
◆	up to model year 2005
◆◆	from model year 2006
◆◆◆	2.7 l Diesel engine, engine codes BPP, BSG

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Automatic gearbox control unit, selector lever sensors control unit, Tiptronic switch, selector lever position display

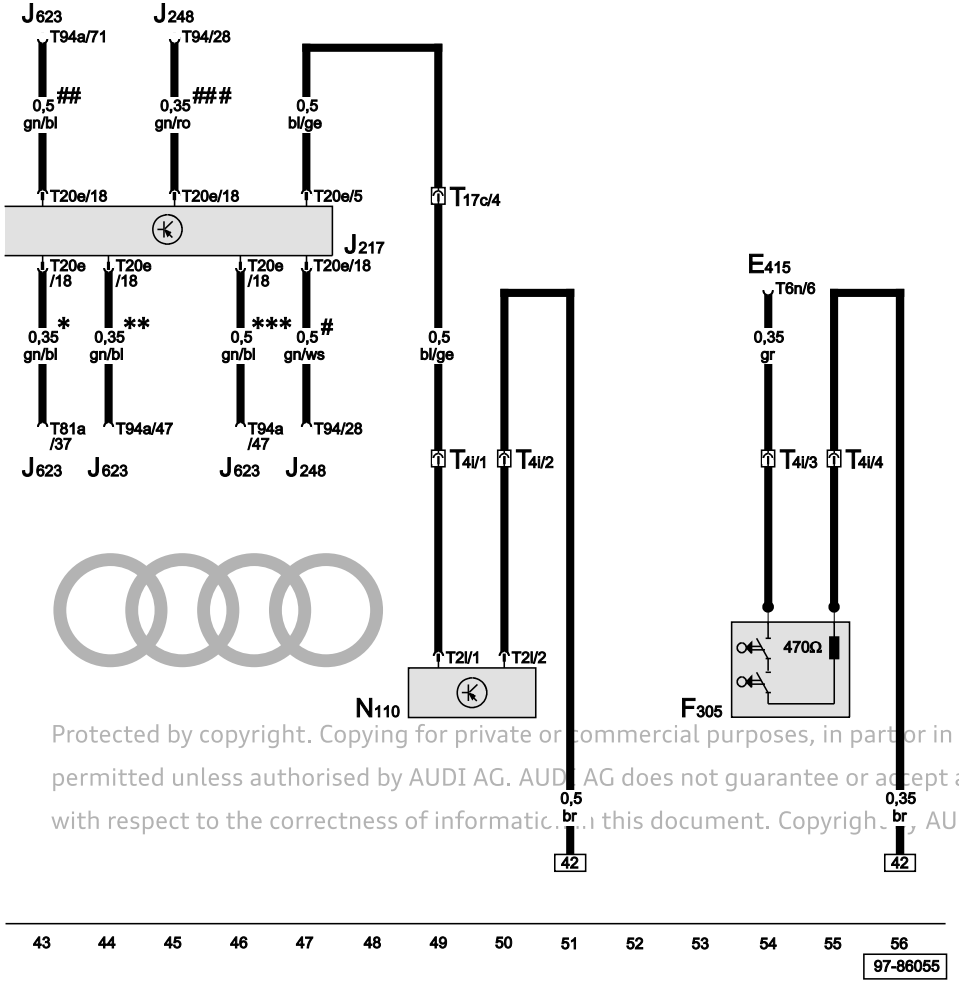
E408	Entry and start authorisation button
F189	Tiptronic switch
J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J587	Selector lever sensors control unit
SC6	Fuse 6 on fuse holder
SC8	Fuse 8 on fuse holder
T10p	10-pin connector, black, on selector lever sensors control unit
T10x	10-pin connector, black, in centre console on selector lever position display
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, connector C, on onboard supply control unit
Y26	Selector lever position display
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B477	Connection 13 in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	up to October 2005
**	from November 2005

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Automatic gearbox control unit, selector lever lock solenoid, gear selector position P switch

E415	Entry and start authorisation switch
F305	Gear selector position P switch
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J623	Engine control unit
N110	Selector lever lock solenoid
T2l	2-pin connector, black, on selector lever lock solenoid
T4i	4-pin connector, black, in centre console on selector lever console
T6n	6-pin connector, black, connector B, on entry and start authorisation switch
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T81a	81-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
T94a	94-pin connector, black, connector B, on engine control unit
373	Earth connection 8, in main wiring harness
*	3.0 l Motor, engine code BBJ
**	2.4 l Motor, engine code BDW
***	3.2 l engine, engine codes AUK, BKH
#	2.0 l Diesel engine, engine codes BLB, BNA, BRE, BRF
##	2.0 l engine, engine code BPJ
###	2.7 l Diesel engine, engine codes BPP, BSG



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Air conditioning system

⇒ **Basis**

⇒ **Convenience**

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

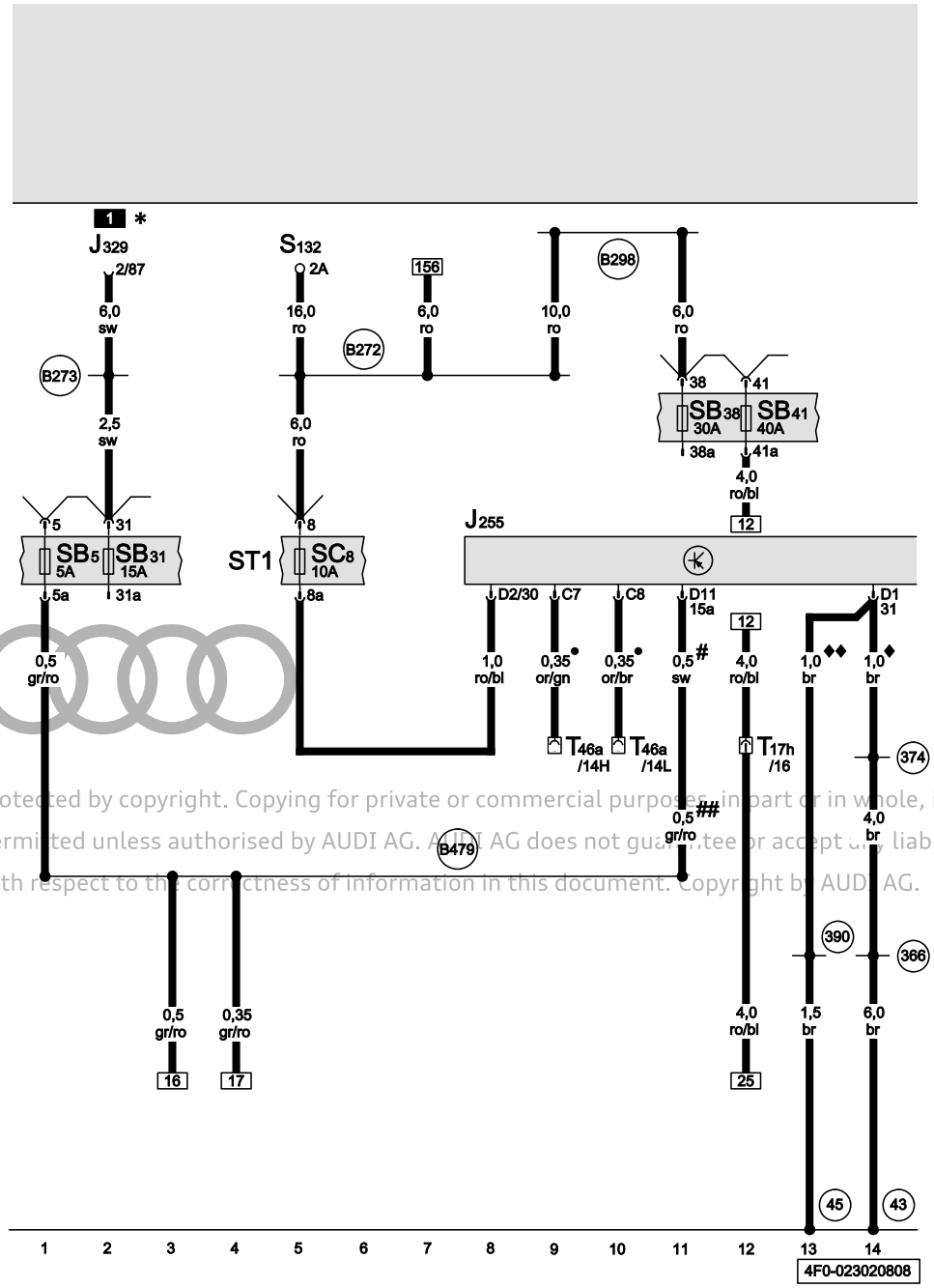
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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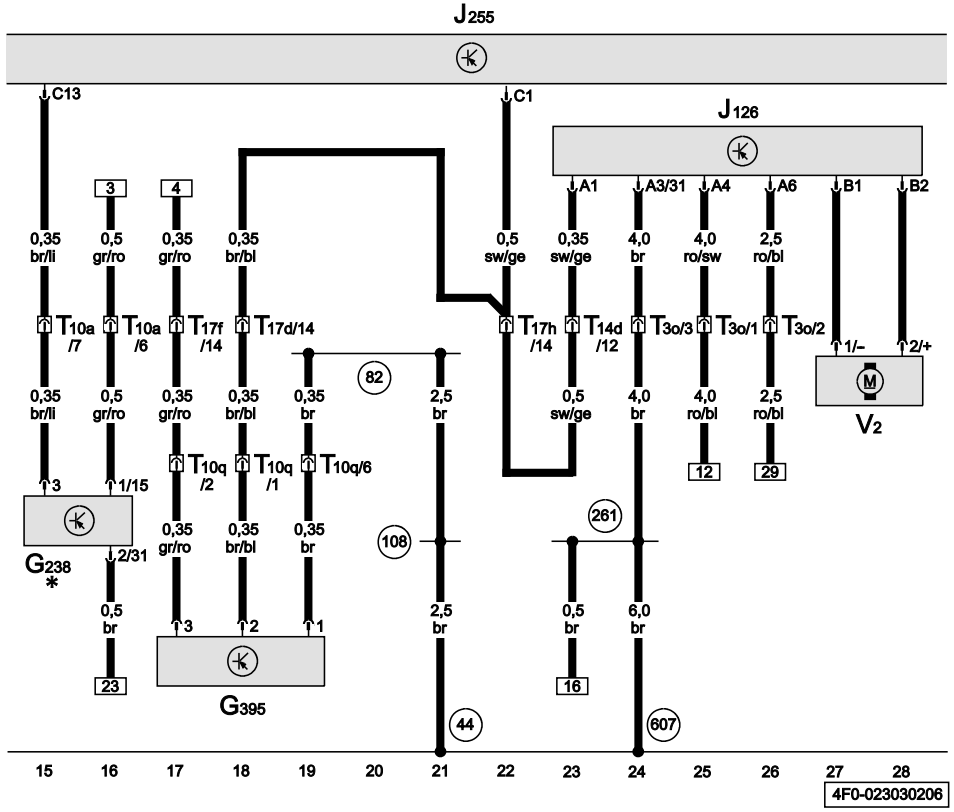
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Climatronic control unit, fuses

J255	Climatronic control unit
J329	Terminal 15 voltage supply relay
S132	Fuse 2
SB5	Fuse 5 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB38	Fuse 38 on fuse holder B
SB41	Fuse 41 on fuse holder B
SC8	Fuse 8 on fuse holder C
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN separating connector left
43	Earth point, lower part of right A-pillar
45	Earth point, centre behind dash panel
366	Earth connection 1, in main wiring harness
374	Earth connection 9, in main wiring harness
390	Earth connection 25, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B479	Connection 15 in main wiring harness

• CAN bus (data wire)
* 9-point relay carrier, behind driver storage compartment
up to model year 2005
from model year 2006
◆ up to October 2005
◆◆ from November 2005

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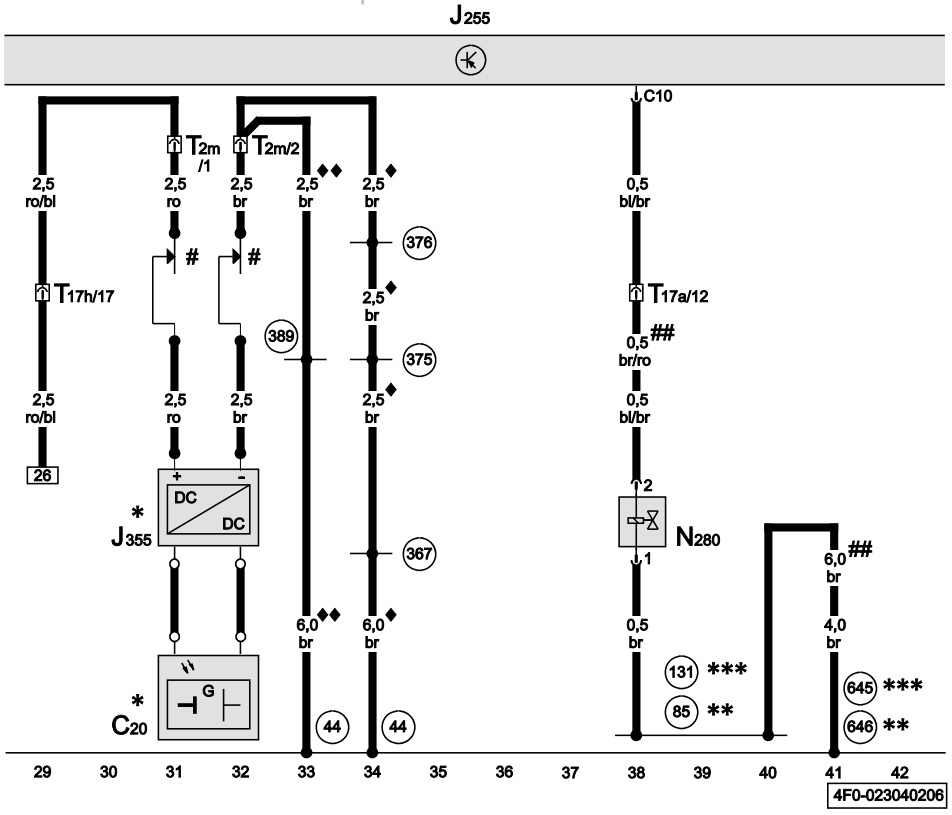
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Climatronic control unit, air quality sensor, refrigerant pressure and temperature sender, fresh air blower control unit, fresh air blower

G238	Air quality sensor
G395	Refrigerant pressure and temperature sender
J126	Fresh air blower control unit
J255	Climatronic control unit
T3o	3-pin connector, black, on right in plenum chamber
T10a	10-pin connector, purple, coupling station on left electronics box
T10q	10-pin connector, black, near left headlight
T14d	14-pin connector, black, on right in plenum chamber
T17d	17-pin connector, black, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
V2	Fresh air blower
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
261	Earth connection, in heated washer jet wiring harness
607	Earth point, on left in plenum chamber
*	convenience equipment only

Climatronic control unit, solar operation control unit, solar cells, air conditioning system compressor regulating valve

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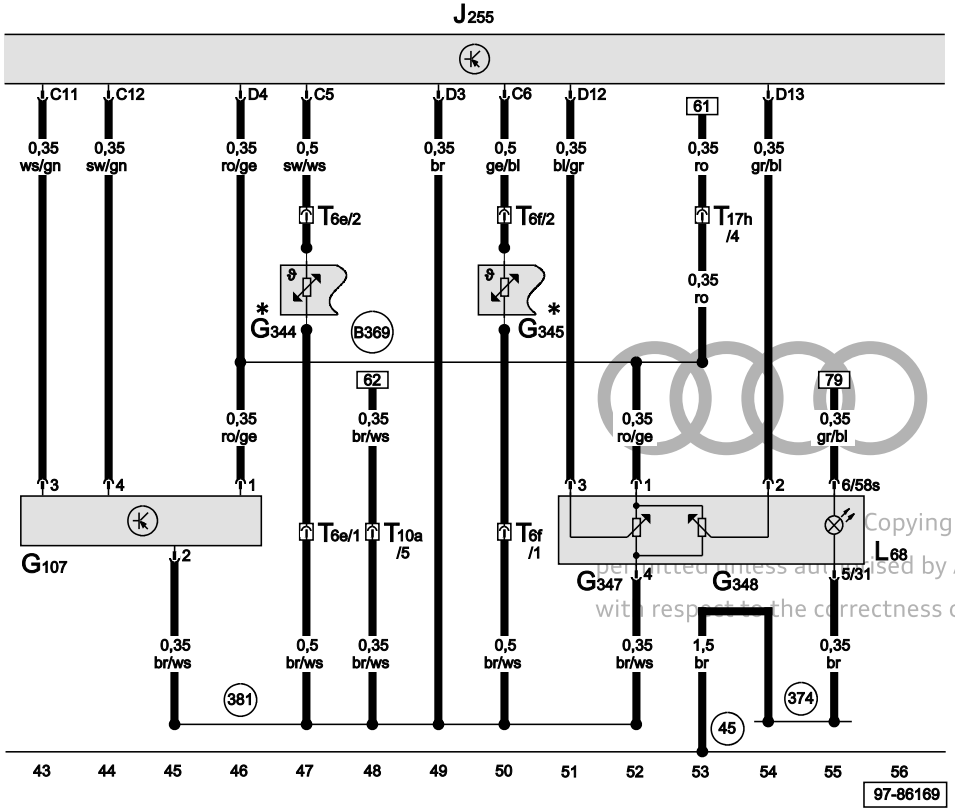


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C20	Solar cells
J255	Climatronic control unit
J355	Solar operation control unit
N280	Air conditioning system compressor regulating valve
T2m	2-pin connector, black, on solar roof
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
44	Earth point, lower part of left A-pillar
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
367	Earth connection 2, in main wiring harness
375	Earth connection 10, in main wiring harness
376	Earth connection 11, in main wiring harness
389	Earth connection 24, in main wiring harness
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
*	models with solar roof
**	diesel engines
***	petrol engines
#	Interconnection contacts on sliding sunroof frame
##	5.2 l engine, engine code BGS
♦	up to October 2005
♦♦	from November 2005

Climatronic control unit, centre left and right vent sensor, front left and right seat temperature sender, sunlight penetration photosensor

G107	Sunlight penetration photosensor
G344	Front left seat temperature sender
G345	Front right seat temperature sender
G347	Centre left vent sensor
G348	Centre right vent sensor
J255	Climatronic control unit
L68	Dash panel central vent illumination bulb
T6e	6-pin connector, green, on left of seat cross member
T6f	6-pin connector, green, on right of seat cross member
T10a	10-pin connector, purple, coupling station on left electronics box
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
B369	Connection 1 (5V), in main wiring harness
*	models with seat heating

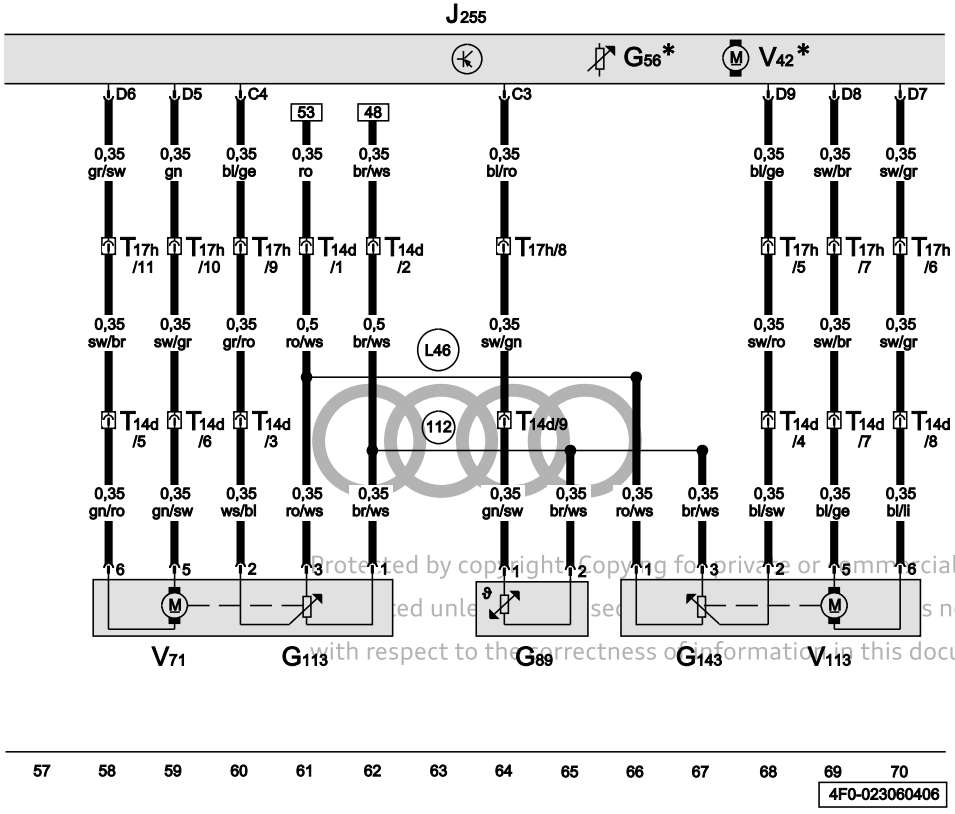


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Climatronic control unit, air flow flap control motor, air recirculation flap control motor, fresh air intake duct temperature sensor

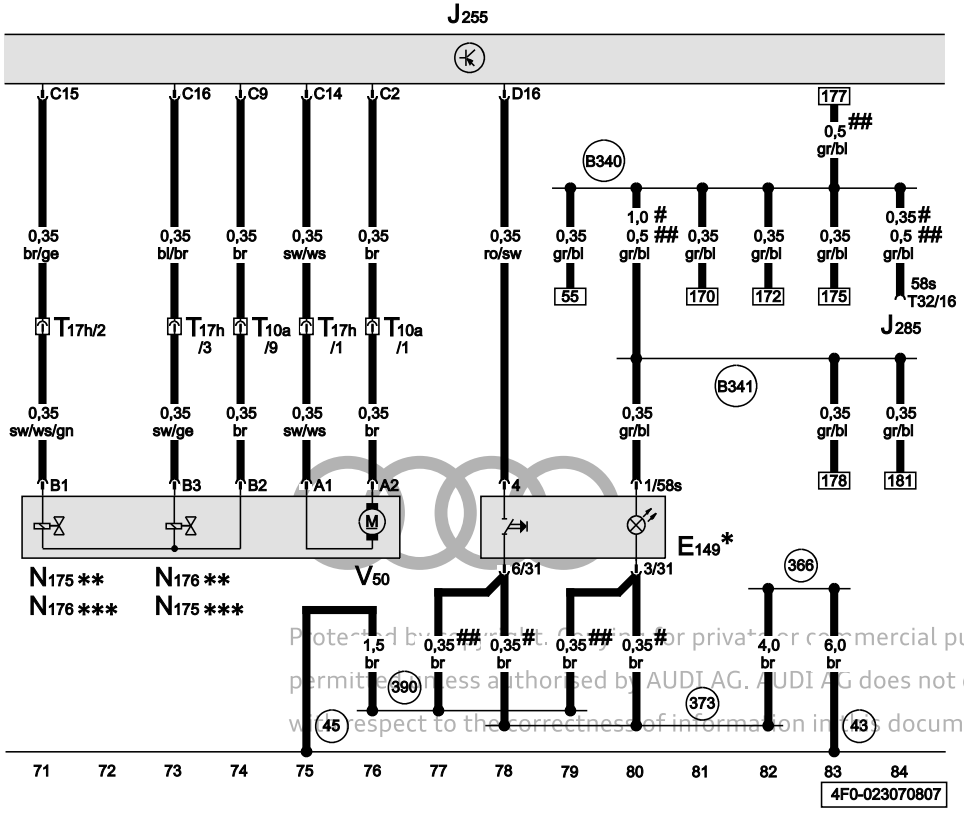
G56	Dash panel temperature sensor
G89	Fresh air intake duct temperature sensor
G113	Air flow flap control motor potentiometer
G143	Air recirculation flap control motor potentiometer
J255	Climatronic control unit
T10a	10-pin connector, purple, coupling station on left electronics box
T14d	14-pin connector, black, on right in plenum chamber
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
V42	Temperature sensor blower
V71	Air flow flap control motor
V113	Air recirculation flap control motor
112	Earth connection 2, in air conditioning system wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	only with convenience



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Climatronic control unit, coolant circulation pump, left and right heat regulation valve, rear roller blind switch



E149	Rear roller blind switch
J255	Climatronic control unit
J285	Control unit in dash panel insert
N175	Left heat regulation valve
N176	Right heat regulation valve
T10a	10-pin connector, purple, coupling station on left electronics box
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
V50	Coolant circulation pump
43	Earth point, lower part of right A-pillar
45	Earth point, centre behind dash panel
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	models with rear roller blind
**	left-hand drive
***	right-hand drive
#	up to October 2005
##	from November 2005

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Climatronic control unit, vent temperature sender, evaporator output temperature sender, front cold air flap control motor

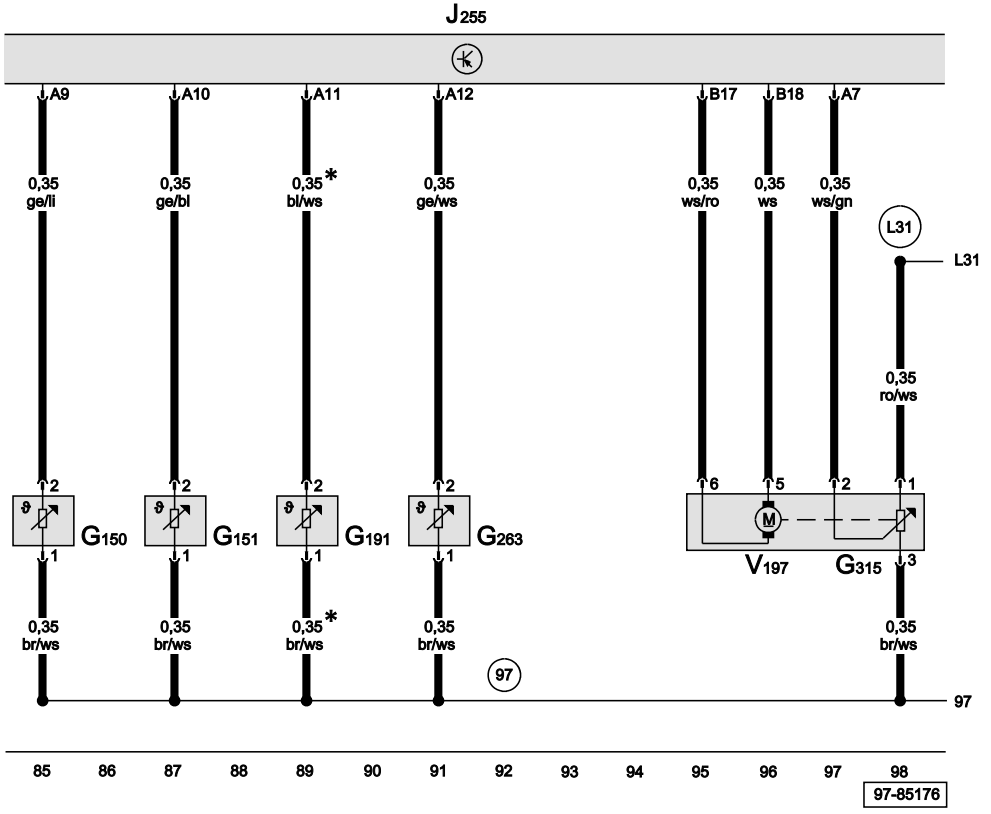
G150 Left vent temperature sender
G151 Right vent temperature sender
G191 Centre vent temperature sender
G263 Evaporator output temperature sender
G315 Potentiometer for front cold air flap control motor
J255 Climatronic control unit
V197 Front cold air flap control motor

97 Earth connection 1, in air conditioning system wiring harness

L31 Connection (5V), in air conditioning system wiring harness

* is dropped, from model year 2006

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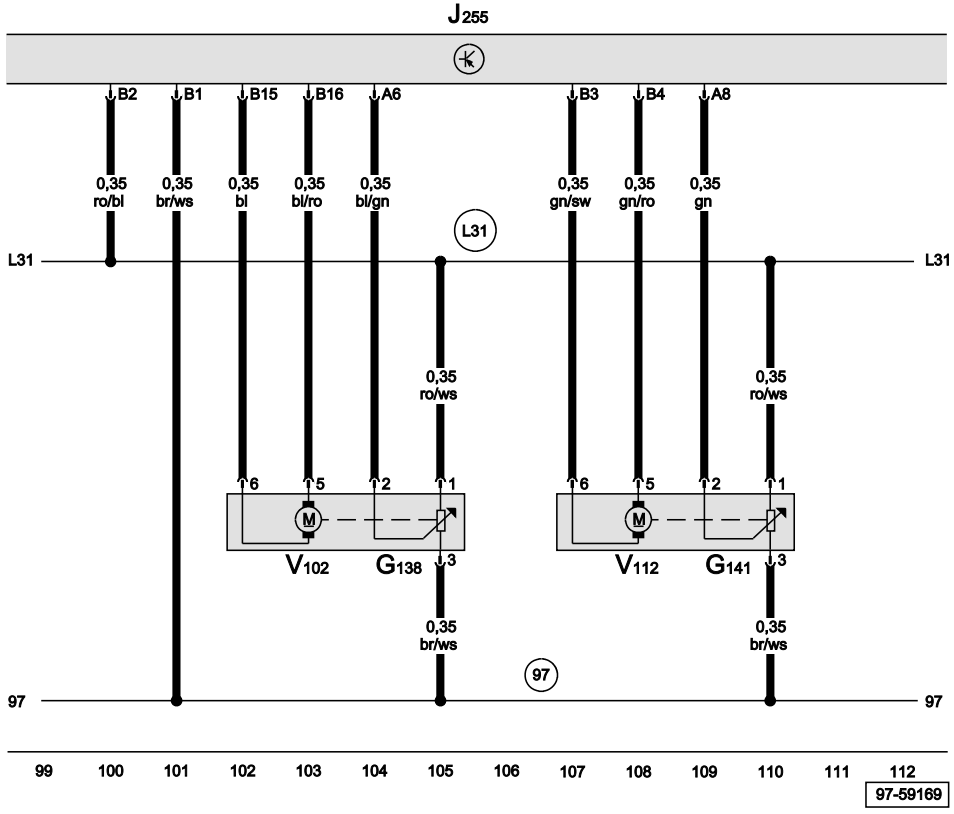
Climatronic control unit, central vents control motor, rear footwell vent control motor, potentiometer for centre vent control motor, potentiometer for rear footwell vent control motor

G138 Central vents control motor potentiometer
G141 Potentiometer for rear footwell vent control motor
J255 Climatronic control unit
V102 Central vents control motor
V112 Rear footwell vent control motor

97 Earth connection 1, in air conditioning system wiring harness

L31 Connection (5V), in air conditioning system wiring harness

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Climatronic control unit, defroster flap control motor, indirect ventilation flap control motor, potentiometer for defroster flap control motor, potentiometer for indirect ventilation flap control motor

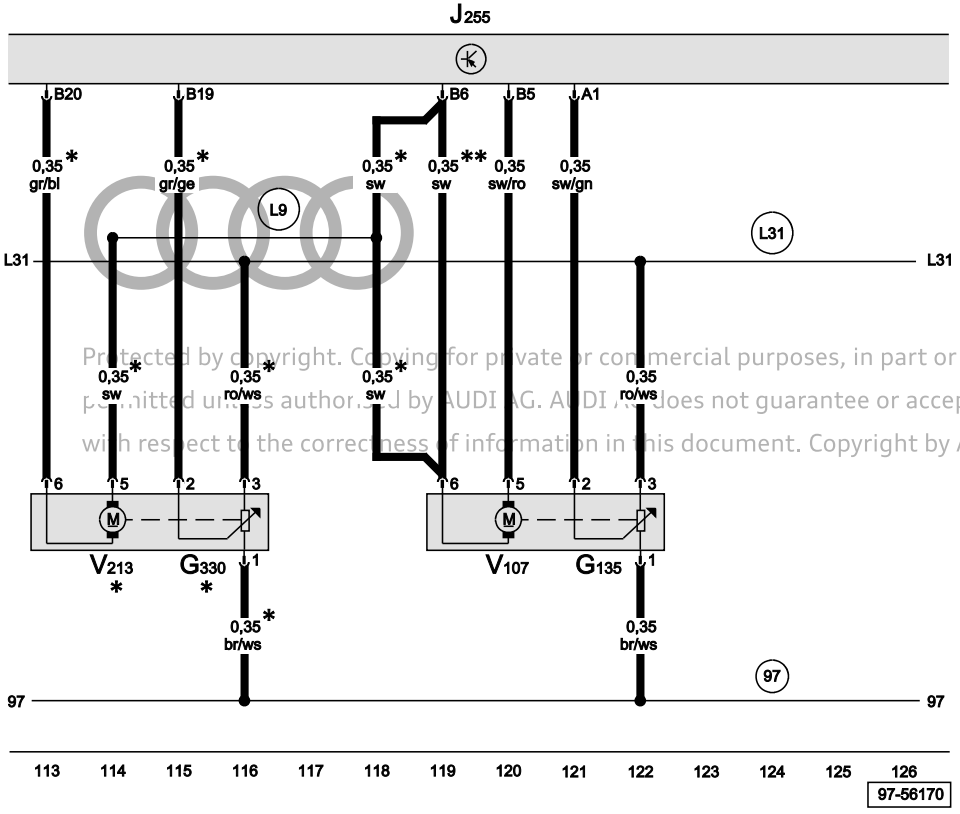
G135 Defroster flap control motor potentiometer
G330 Potentiometer for indirect ventilation flap control motor
J255 Climatronic control unit
V107 Defroster flap control motor
V213 Indirect ventilation flap control motor

97 Earth connection 1, in air conditioning system wiring harness

L9 Connection 1, in air conditioning system wiring harness

L31 Connection (5V), in air conditioning system wiring harness

* convenience equipment only
** basis equipment only



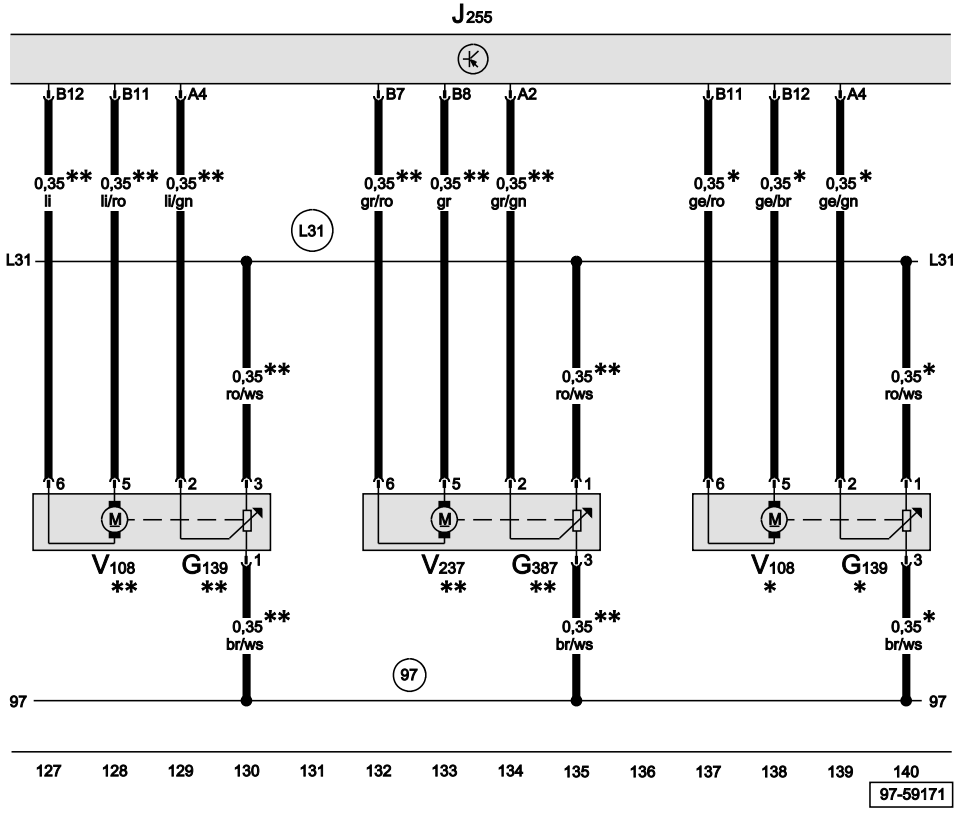
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Climatronic control unit, left footwell flap control motor, front left chest vent control motor, potentiometer for left footwell flap control motor, front left chest vent potentiometer

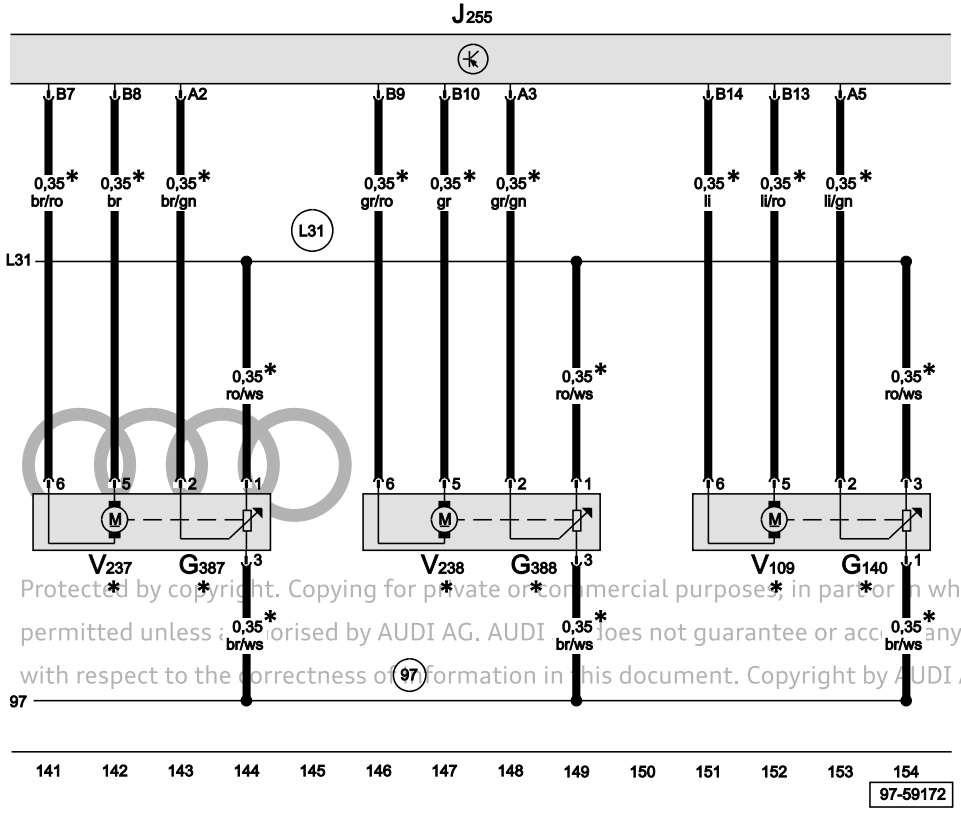
G139	Left footwell flap control motor potentiometer
G387	Front left chest vent potentiometer
J255	Climatronic control unit
V108	Left footwell flap control motor
V237	Front left chest vent control motor
97	Earth connection 1, in air conditioning system wiring harness
L31	Connection (5V), in air conditioning system wiring harness
*	convenience equipment only
**	basis equipment only



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Climatronic control unit, front left chest vent control motor, front right chest vent control motor, right footwell flap control motor

G140	Potentiometer for right footwell flap control motor
G387	Front left chest vent potentiometer
G388	Front right chest vent potentiometer
J255	Climatronic control unit
V109	Right footwell flap control motor
V237	Front left chest vent control motor
V238	Front right chest vent control motor
97	Earth connection 1, in air conditioning system wiring harness
L31	Connection (5V), in air conditioning system wiring harness
*	convenience equipment only

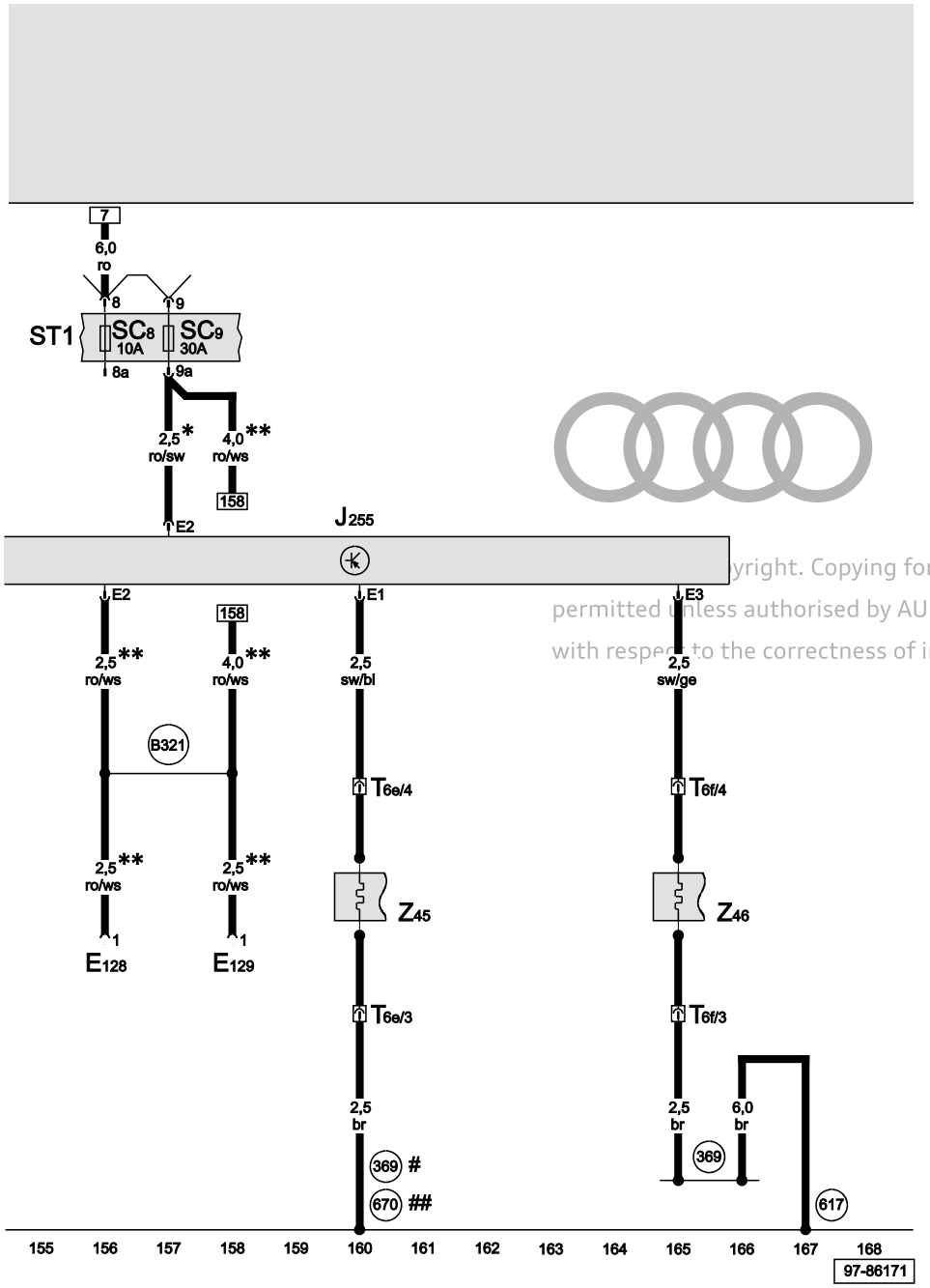


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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Climatronic control unit, heated rear left and right seat switch with regulator, front left and right seat heating

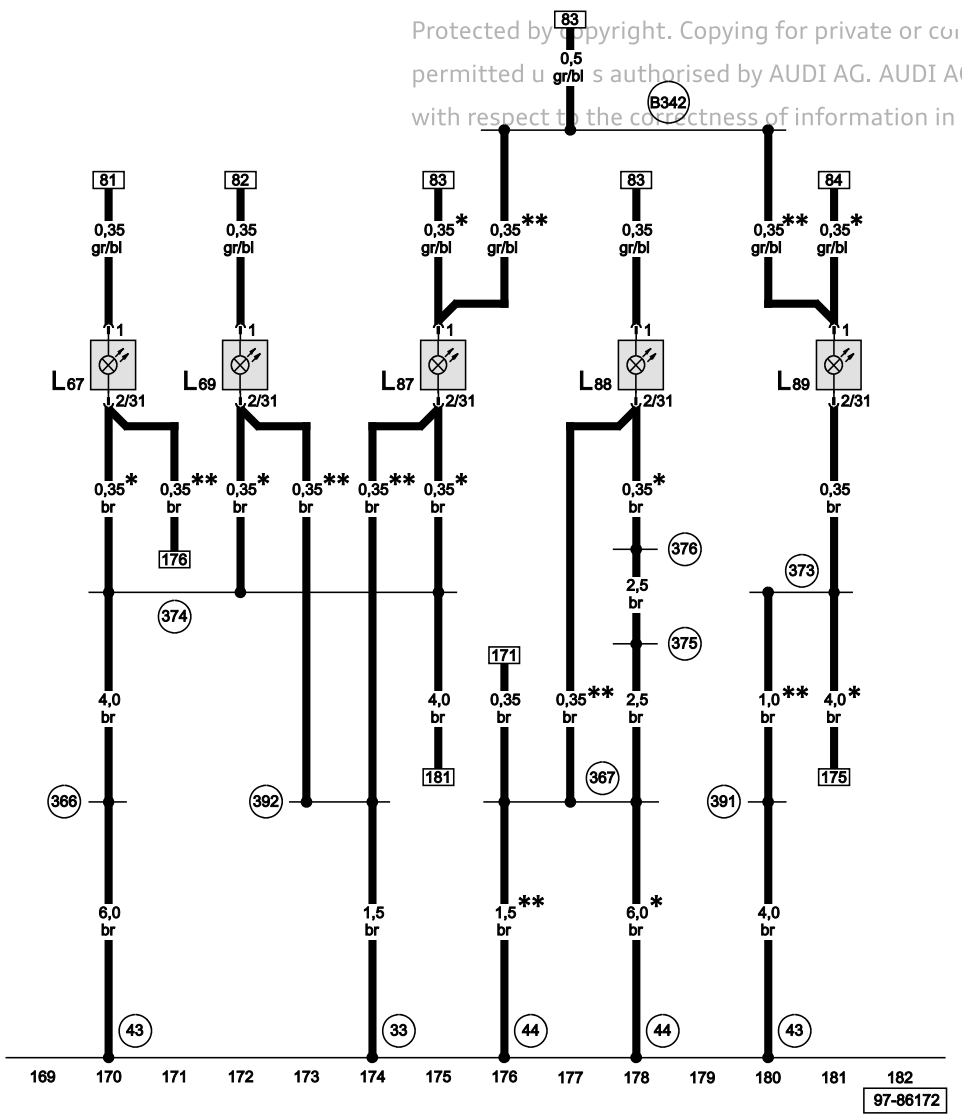
E128	Heated rear left seat switch with regulator
E129	Heated rear right seat switch with regulator
J255	Climatronic control unit
SC8	Fuse 8 on fuse holder
SC9	Fuse 9 on fuse holder
T6e	6-pin connector, green, on left of seat cross member
T6f	6-pin connector, green, on right of seat cross member
Z45	Front left seat heating
Z46	Front right seat heating
369	Earth connection 4, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
670	Earth point 2, left A-pillar
B321	Positive connection 7 (30a), in main wiring harness
*	heated front seats
**	heated front and rear seats
#	up to October 2005
##	from November 2005



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Dash panel left and right vent illumination bulb, central rear vent illumination bulb

L67	Dash panel left vent illumination bulb
L69	Dash panel right vent illumination bulb
L87	Central rear vent illumination bulb
L88	Rear left vent illumination bulb
L89	Rear right vent illumination bulb
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
44	Earth point, lower part of left A-pillar
366	Earth connection 1, in main wiring harness
367	Earth connection 2, in main wiring harness
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
375	Earth connection 10, in main wiring harness
376	Earth connection 11, in main wiring harness
391	Earth connection 26, in main wiring harness
392	Earth connection 27, in main wiring harness
B342	Connection 3 (58s), in main wiring harness
*	up to October 2005
**	from November 2005

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gn	=	green
bl	=	blue
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Electrical sunroof

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

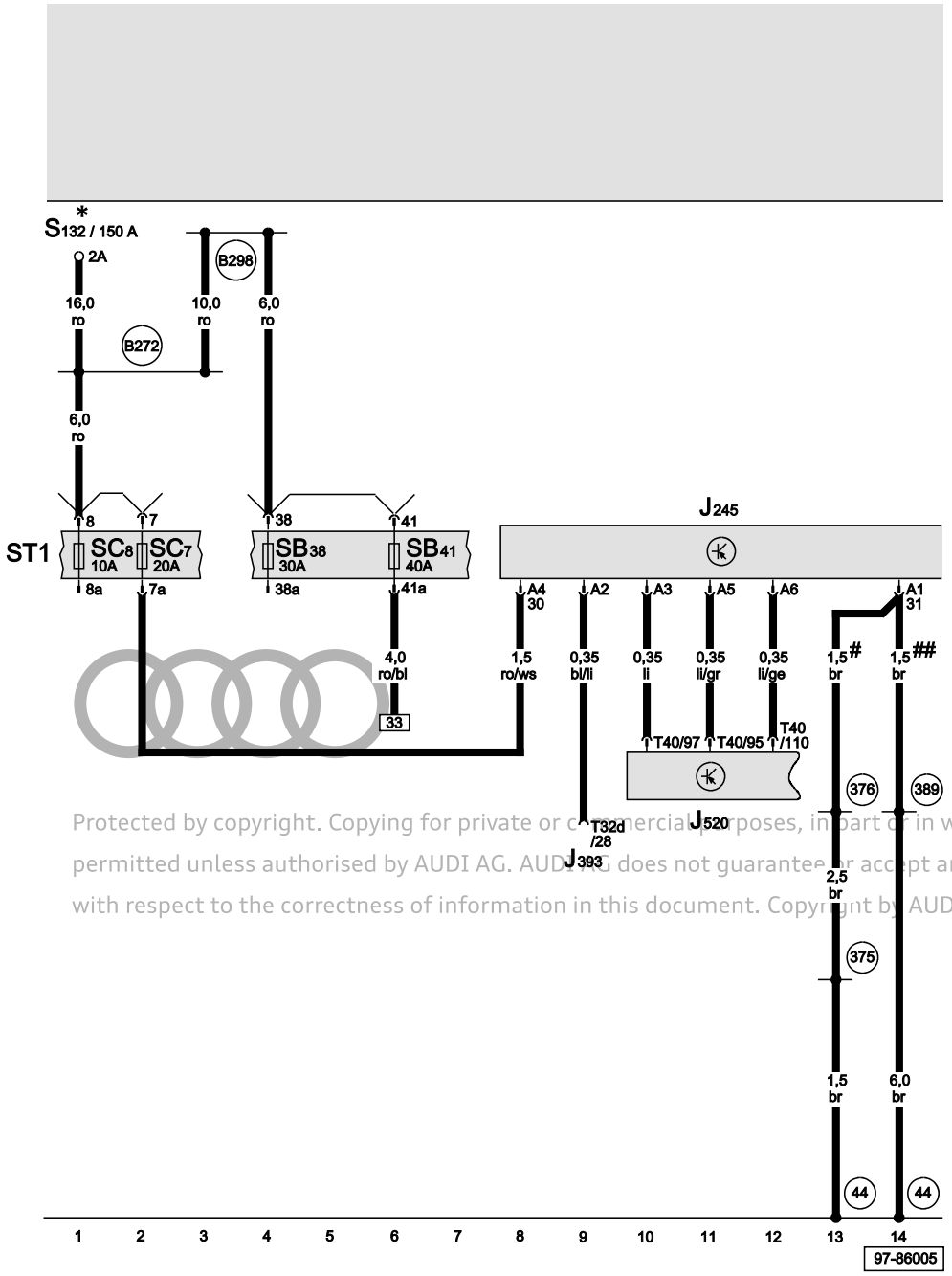
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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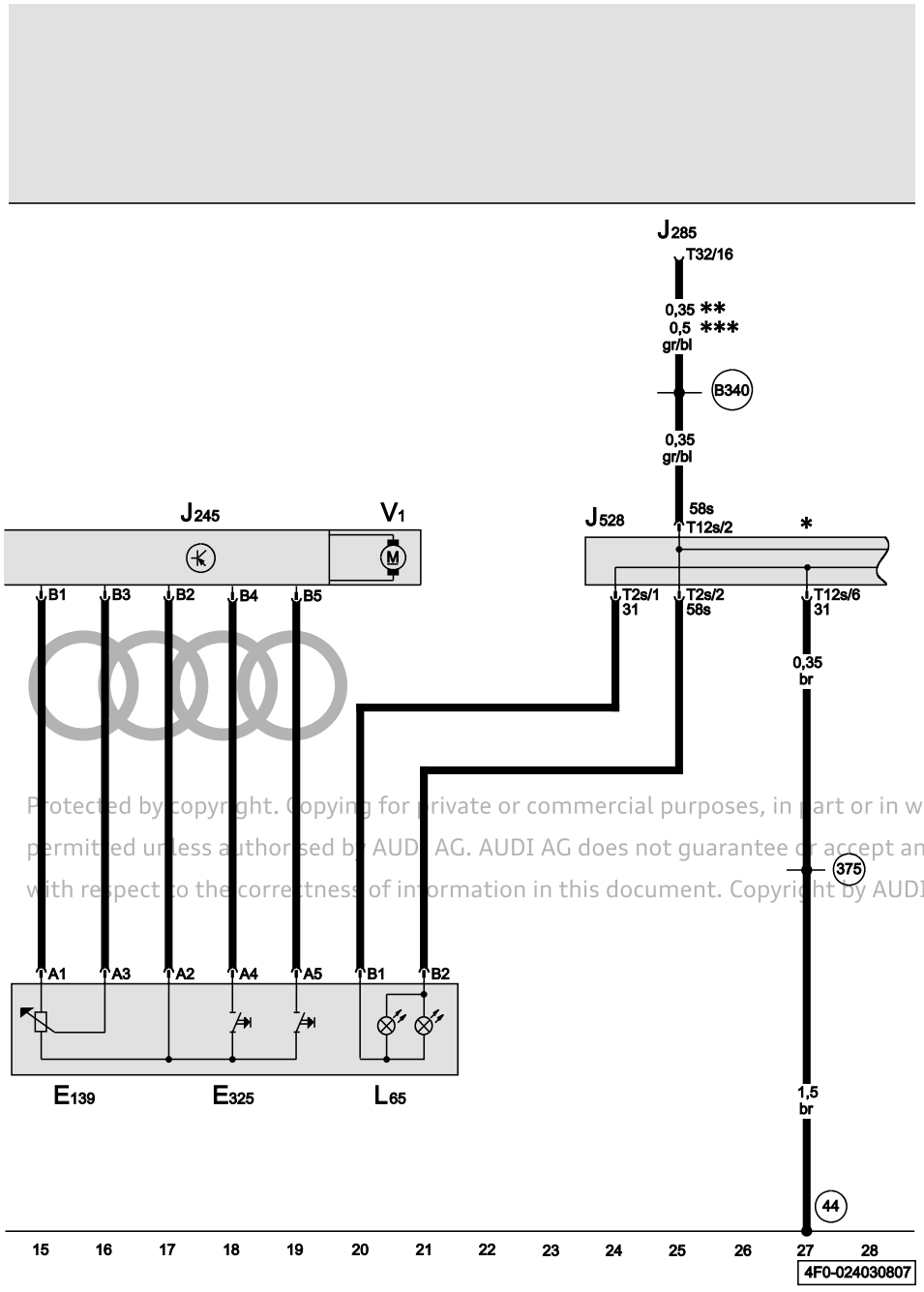
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Sliding sunroof adjustment control unit, fuses

J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J520	Onboard supply control unit 2
S132	Fuse 2
SB38	Fuse 38 on fuse holder
SB41	Fuse 41 on fuse holder
SC7	Fuse 7 on fuse holder
SC8	Fuse 8 on fuse holder
T32d	32-pin connector, white, connector B, on convenience system central control unit
T40	40-pin connector, black, on onboard supply control unit 2
44	Earth point, lower part of left A-pillar
375	Earth connection 10, in main wiring harness
376	Earth connection 11, in main wiring harness
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
*	Fuse and relay carrier right in luggage compartment
#	up to October 2005
##	from November 2005

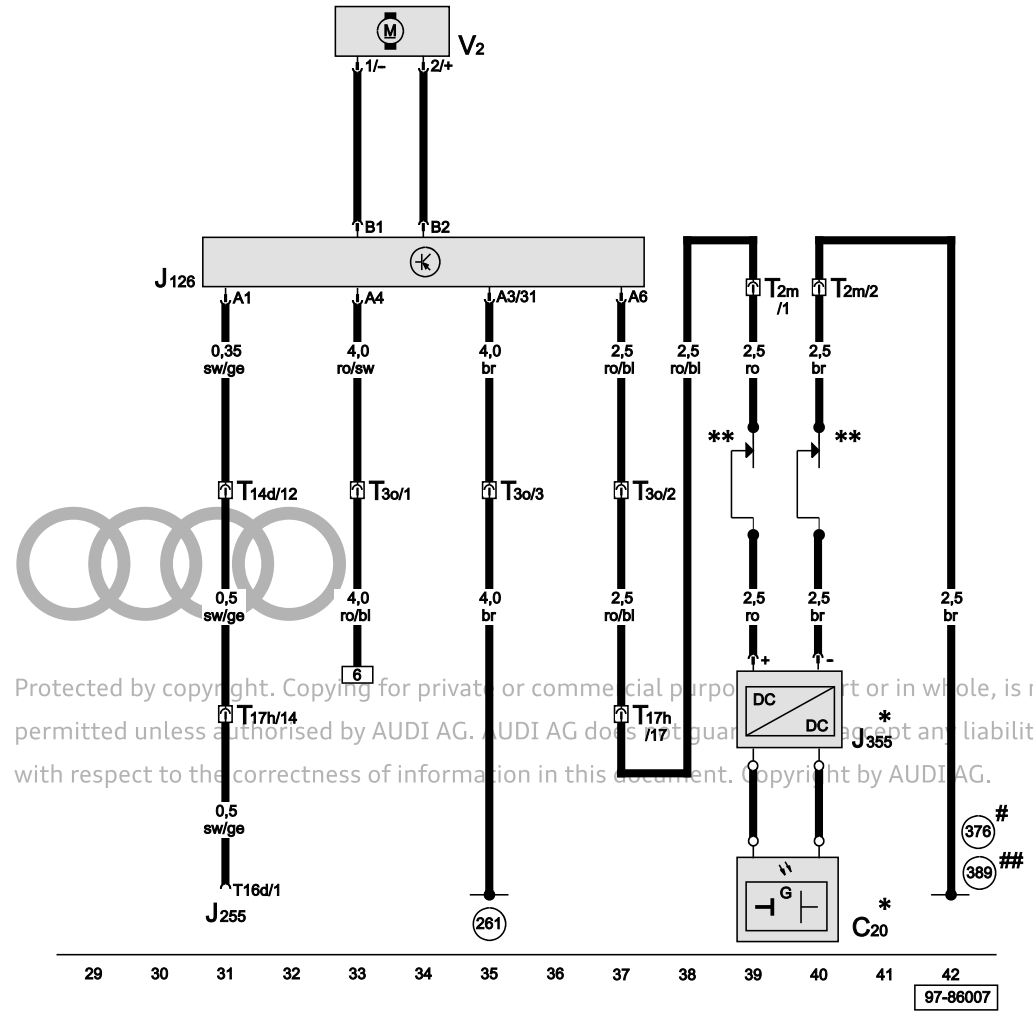
Sliding sunroof adjustment control unit, sliding sunroof adjustment regulator, sunroof button, sliding sunroof motor



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E139	Sliding sunroof adjustment regulator
E325	Sunroof button
J245	Sliding sunroof adjustment control unit
J285	Control unit in dash panel insert
J528	Roof electronics control unit
L65	Sliding sunroof switch illumination bulb
T2s	2-pin connector, connector C, on front roof console
T12s	12-pin connector, black, connector A, on front roof console
T32	32-pin connector, grey, on dash panel insert
V1	Sliding sunroof motor
44	Earth point, lower part of left A-pillar
375	Earth connection 10, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
*	Front roof module
**	up to October 2005
***	from November 2005

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Fresh air blower control unit, solar operation control unit, solar cells, fresh air blower

C20	Solar cells
J126	Fresh air blower control unit
J255	Climatronic control unit
J355	Solar operation control unit
T2m	2-pin connector, black, on solar roof
T3o	3-pin connector, black, on right in plenum chamber
T14d	14-pin connector, black, on right in plenum chamber
T16d	16-pin connector, brown, connector C, on Climatronic control unit
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
V2	Fresh air blower
261	Earth connection, in heated washer jet wiring harness
376	Earth connection 11, in main wiring harness
389	Earth connection 24, in main wiring harness
*	models with solar roof
**	Interconnection contacts on sliding sunroof frame
#	up to October 2005
##	from November 2005

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CAN disconnector

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

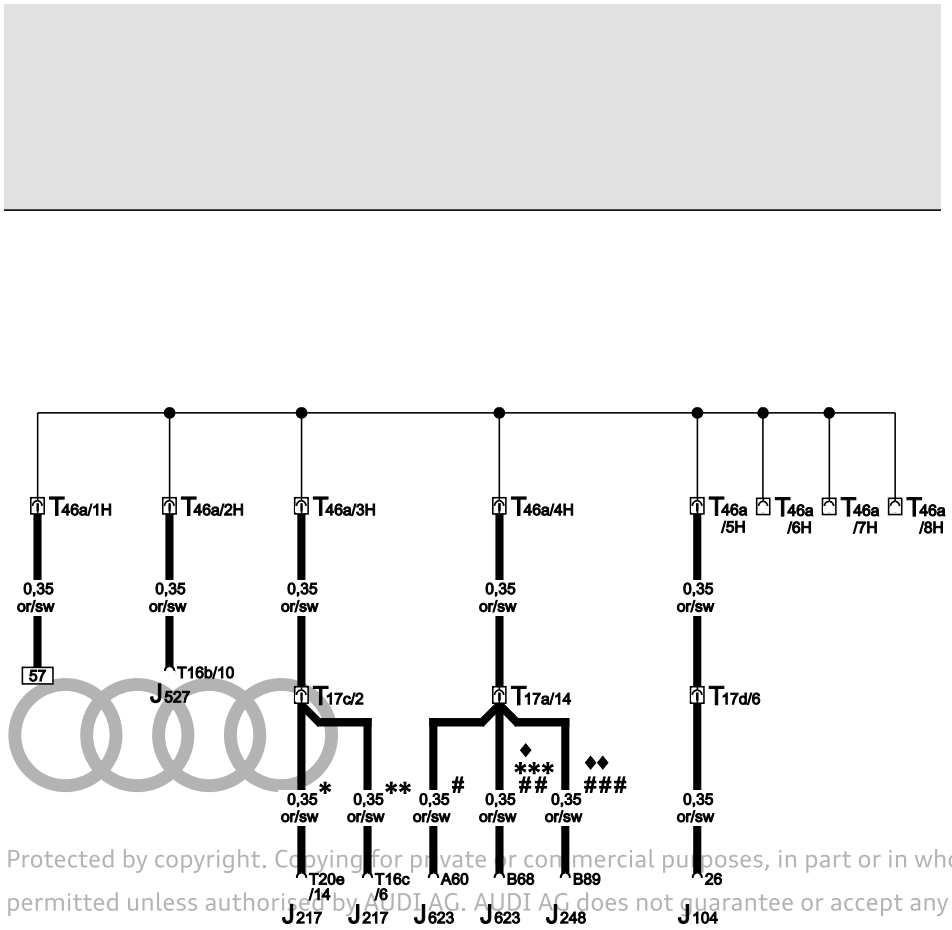
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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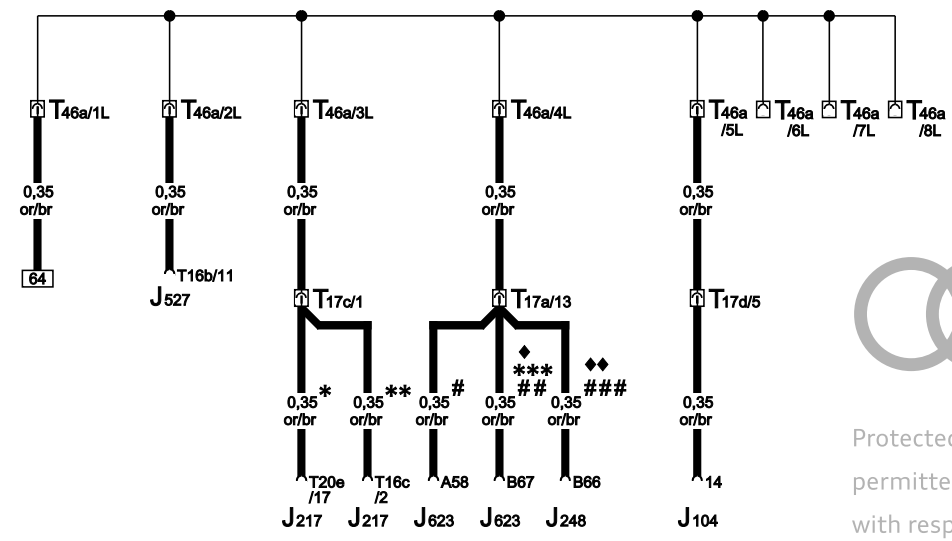


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CAN disconnector left

J104	ABS control unit
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16b	16-pin connector, behind steering column switch trim
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17d	17-pin connector, black, coupling station on left A-pillar
T20e	20-pin connector, black, on automatic gearbox control unit
T46a	46-pin connector, CAN disconnector left
*	automatic gearbox 01J
**	automatic gearbox 09L
***	3.2 l engine, engine codes AUK, BKH
#	4.2 l engine, engine code BAT, BNK 3.0 l engine, engine code BBJ
##	2.4 l engine, engine code BDW
###	3.0 l Diesel engine, engine codes BMK, BNG
♦	2.0 l engine, engine code BPJ
♦♦	2.0 l Diesel engine, engine codes BLB, BNA, BRE, BRF

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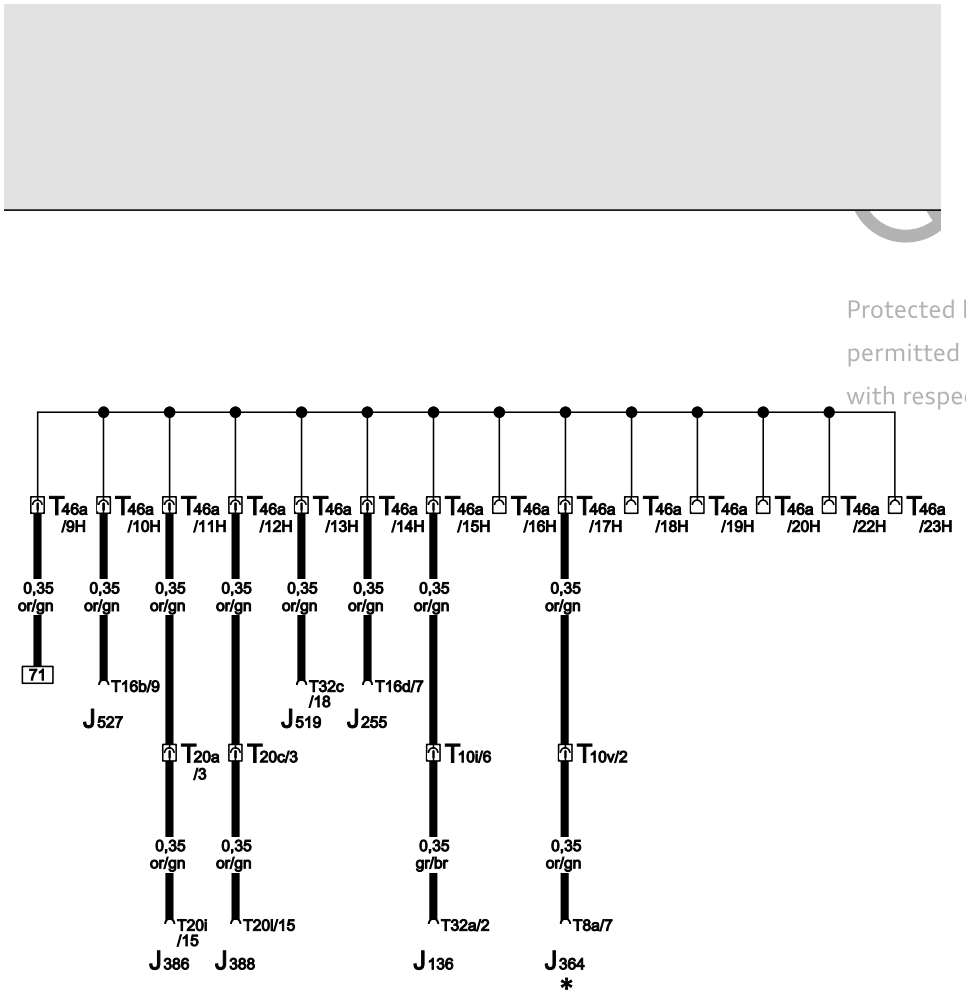


CAN disconnector left

J104	ABS control unit
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16b	16-pin connector, behind steering column switch trim
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17d	17-pin connector, black, coupling station on left A-pillar
T20e	20-pin connector, black, on automatic gearbox control unit
T46a	46-pin connector, CAN disconnector left
*	automatic gearbox 01J
**	automatic gearbox 09L
***	3.2 l engine, engine codes AUK, BKH
#	4.2 l engine, engine code BAT, BNK 3.0 l engine, engine code BBJ
##	2.4 l engine, engine code BDW
###	3.0 l Diesel engine, engine codes BMK, BNG
♦	2.0 l engine, engine code BPJ
♦♦	2.0 l Diesel engine, engine codes BLB, BNA, BRE, BRF

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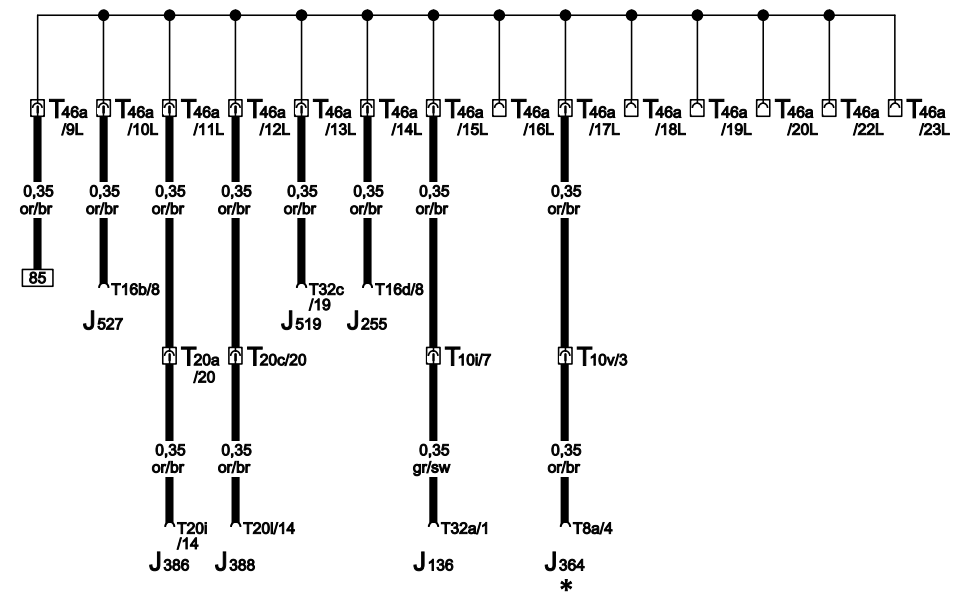


CAN disconnector left

J136	Seat and steering column adjustment control unit with memory
J255	Climatronic control unit
J364	Auxiliary heater control unit
J386	Driver door control unit
J388	Rear left door control unit
J519	Onboard supply control unit
J527	Steering column electronics control unit
T8a	8-pin connector, black, on auxiliary heater control unit
T10i	10-pin connector, red, on left seat cross member
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T16b	16-pin connector, behind steering column switch trim
T16d	16-pin connector, brown, connector C, on Climatronic control unit
T20a	20-pin connector, black, left A-pillar
T20c	20-pin connector, black, left B-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
T20l	20-pin connector, black, connector B, on rear left door control unit
T32a	32-pin connector, on seat adjustment with memory control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T46a	46-pin connector, CAN disconnector left
*	models with auxiliary heater

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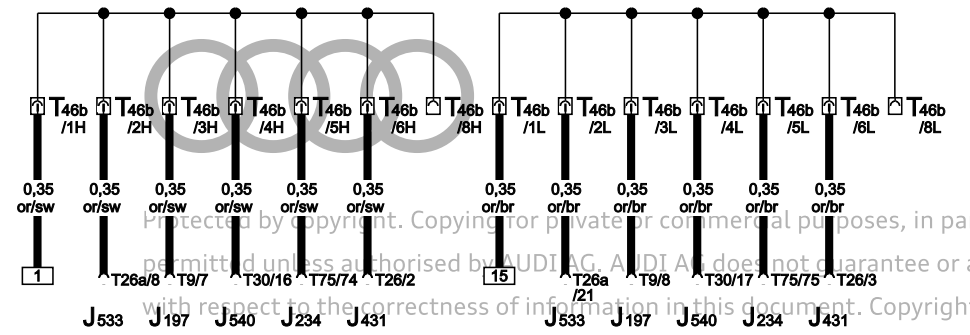


CAN disconnector left

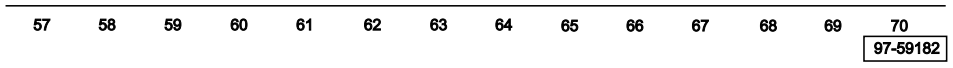
J136	Seat and steering column adjustment control unit with memory
J255	Climatronic control unit
J364	Auxiliary heater control unit
J386	Driver door control unit
J388	Rear left door control unit
J519	Onboard supply control unit
J527	Steering column electronics control unit
T8a	8-pin connector, black, on auxiliary heater control unit
T10i	10-pin connector, red, on left seat cross member
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T16b	16-pin connector, behind steering column switch trim
T16d	16-pin connector, brown, connector C, on Climatronic control unit
T20a	20-pin connector, black, left A-pillar
T20c	20-pin connector, black, left B-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
T20l	20-pin connector, black, connector B, on rear left door control unit
T32a	32-pin connector, on seat adjustment with memory control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T46a	46-pin connector, CAN disconnector left
*	models with auxiliary heater

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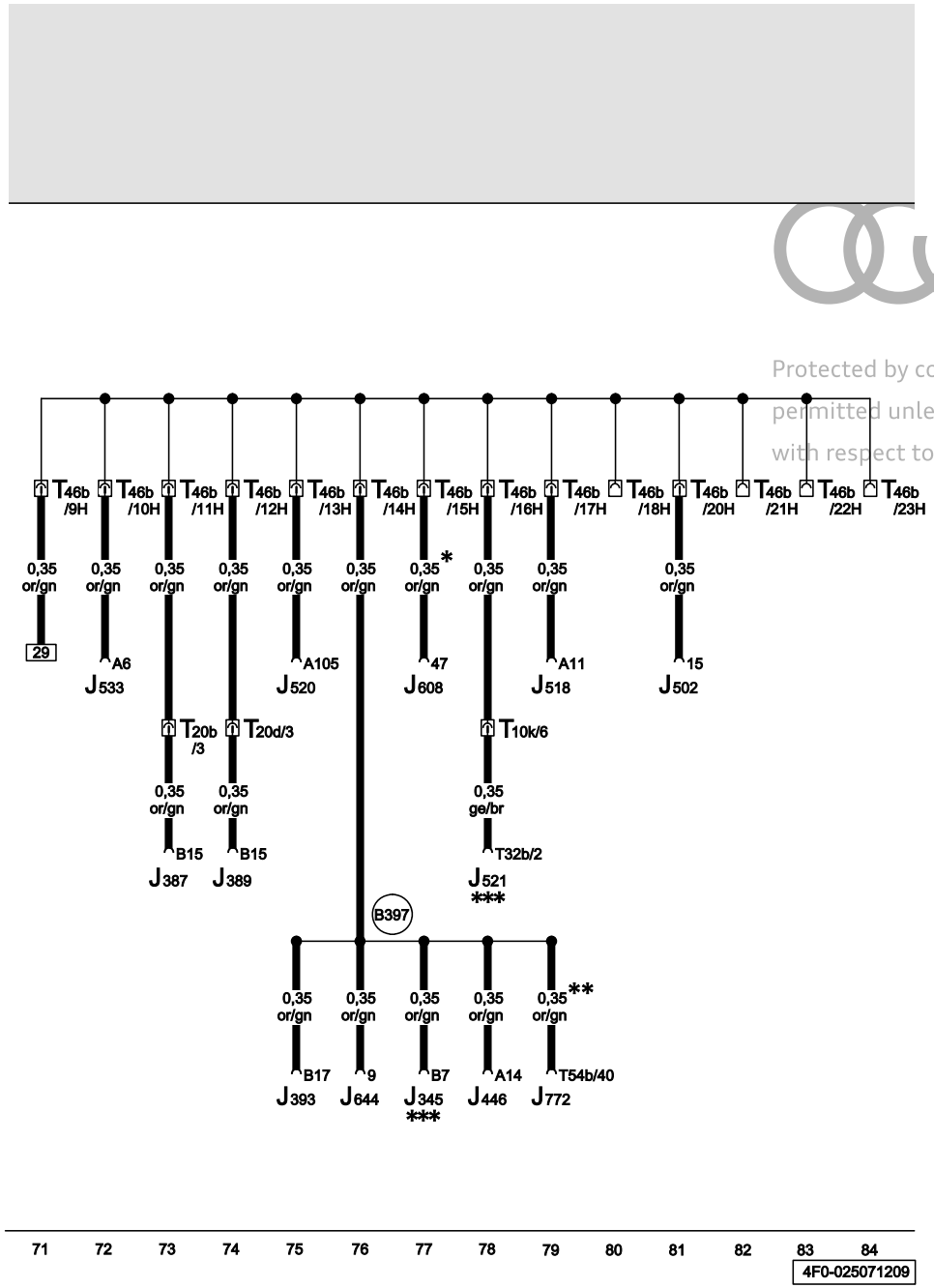
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CAN disconnector right

J197	Adaptive suspension control unit
J234	Airbag control unit
J431	Headlight range control, control unit
J533	Data bus diagnostic interface
J540	Electric park and handbrake control unit
T9	9-pin connector, grey, connector A, on adaptive suspension control unit
T26	26-pin connector, black, on headlight range control, control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T30	30-pin connector, black, on electric park and handbrake control unit
T46b	46-pin connector, CAN disconnector right
T75	75-pin connector, grey*, on airbag control unit
*	Connector colour USA: white

ws	=	white
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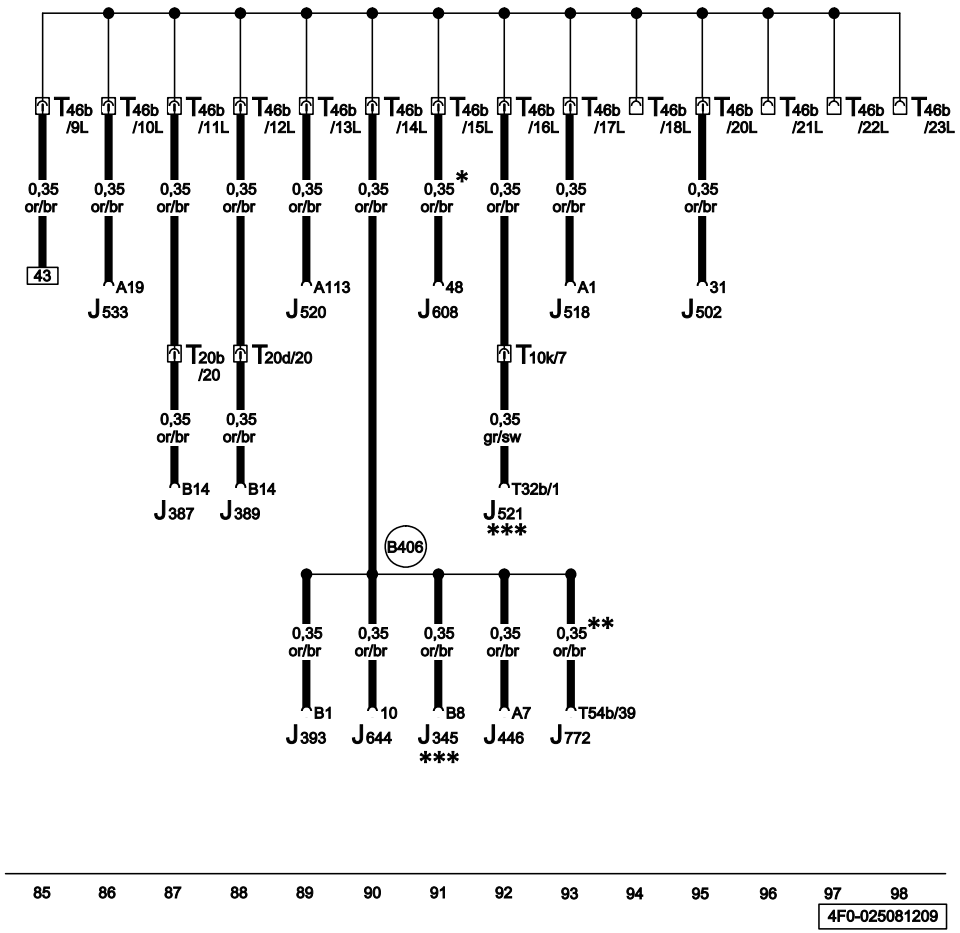
CAN disconnector right

J345	Trailer detector control unit
J387	Front passenger side door control unit
J389	Rear right door control unit
J393	Convenience system central control unit
J446	Parking aid control unit
J502	Tyre pressure monitor control unit
J518	Entry and start authorisation control unit
J520	Onboard supply control unit 2
J521	Front passenger seat adjustment with memory control unit
J533	Data bus diagnostic interface
J608	Special vehicle control unit
J644	Energy management control unit
J772	Reversing camera system control unit
T10k	10-pin connector, red, on right of seat cross member
T20b	20-pin connector, black, right A-pillar
T20d	20-pin connector, black, right B-pillar
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
T46b	46-pin connector, CAN disconnector right
T54b	54-pin connector, on reversing camera system control unit
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
*	Taxi, police, special vehicle
**	models with reversing camera system
***	not USA

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CAN disconnector right

J345	Trailer detector control unit
J387	Front passenger side door control unit
J389	Rear right door control unit
J393	Convenience system central control unit
J446	Parking aid control unit
J502	Tyre pressure monitor control unit
J518	Entry and start authorisation control unit
J520	Onboard supply control unit 2
J521	Front passenger seat adjustment with memory control unit
J533	Data bus diagnostic interface
J608	Special vehicle control unit
J644	Energy management control unit
J772	Reversing camera system control unit
T10k	10-pin connector, red, on right of seat cross member
T20b	20-pin connector, black, right A-pillar
T20d	20-pin connector, black, right B-pillar
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
T46b	46-pin connector, CAN disconnector right
T54b	54-pin connector, on reversing camera system control unit
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	Taxi, police, special vehicle
**	models with reversing camera system
***	not USA

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Convenience system

⇒ **Ambient lighting**
⇒ **Electrically adjustable and heated exterior mirrors**
⇒ **Door opener illumination**
⇒ **Anti-theft alarm system**
⇒ **Entry lights**
⇒ **Electrical rear roller blind**
⇒ **Window regulator**
⇒ **Luggage compartment light**
⇒ **Door warning lamps**
⇒ **Central locking**

from model year 2005

Notes:

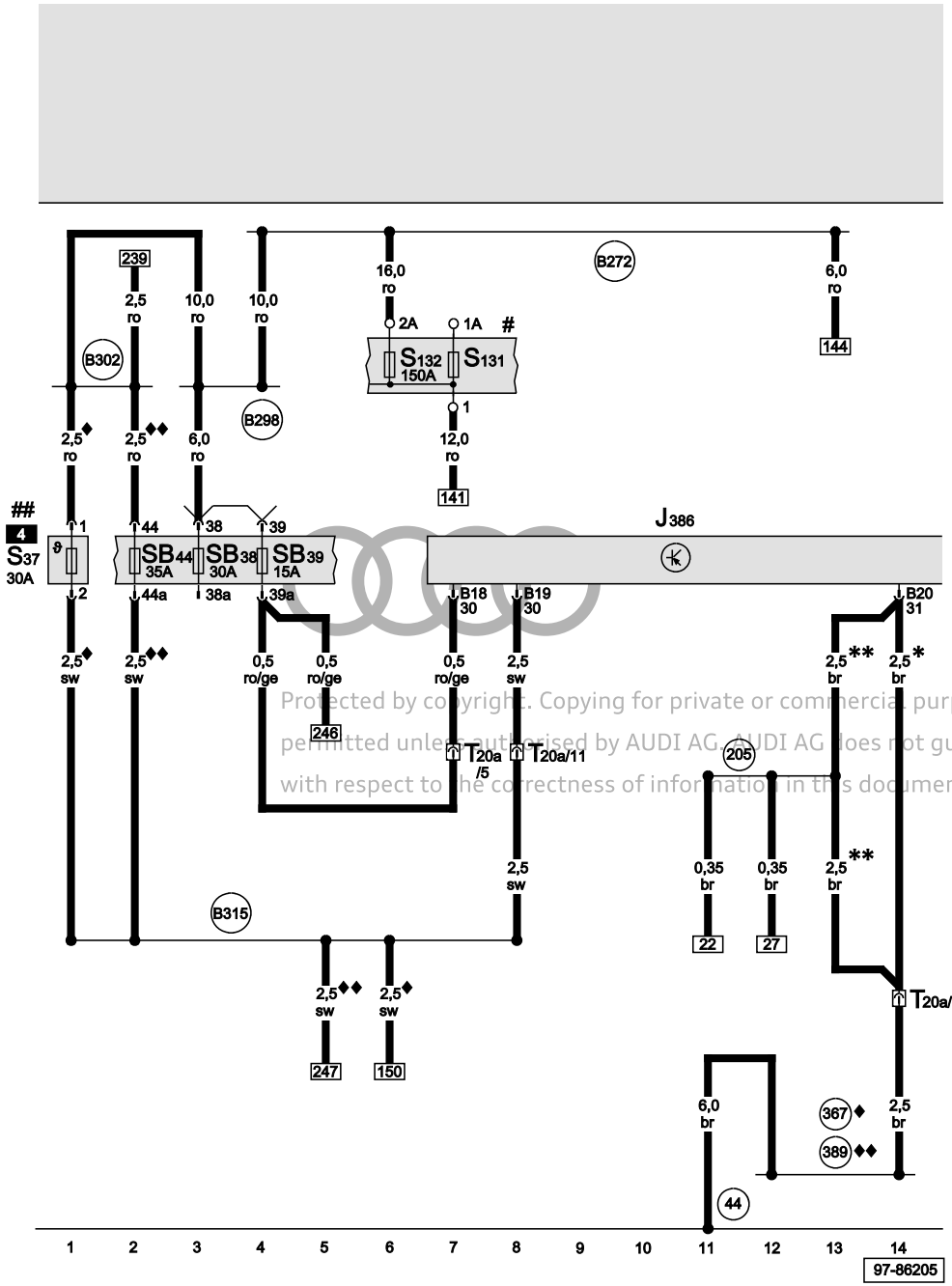
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

⇒ guided fault finding

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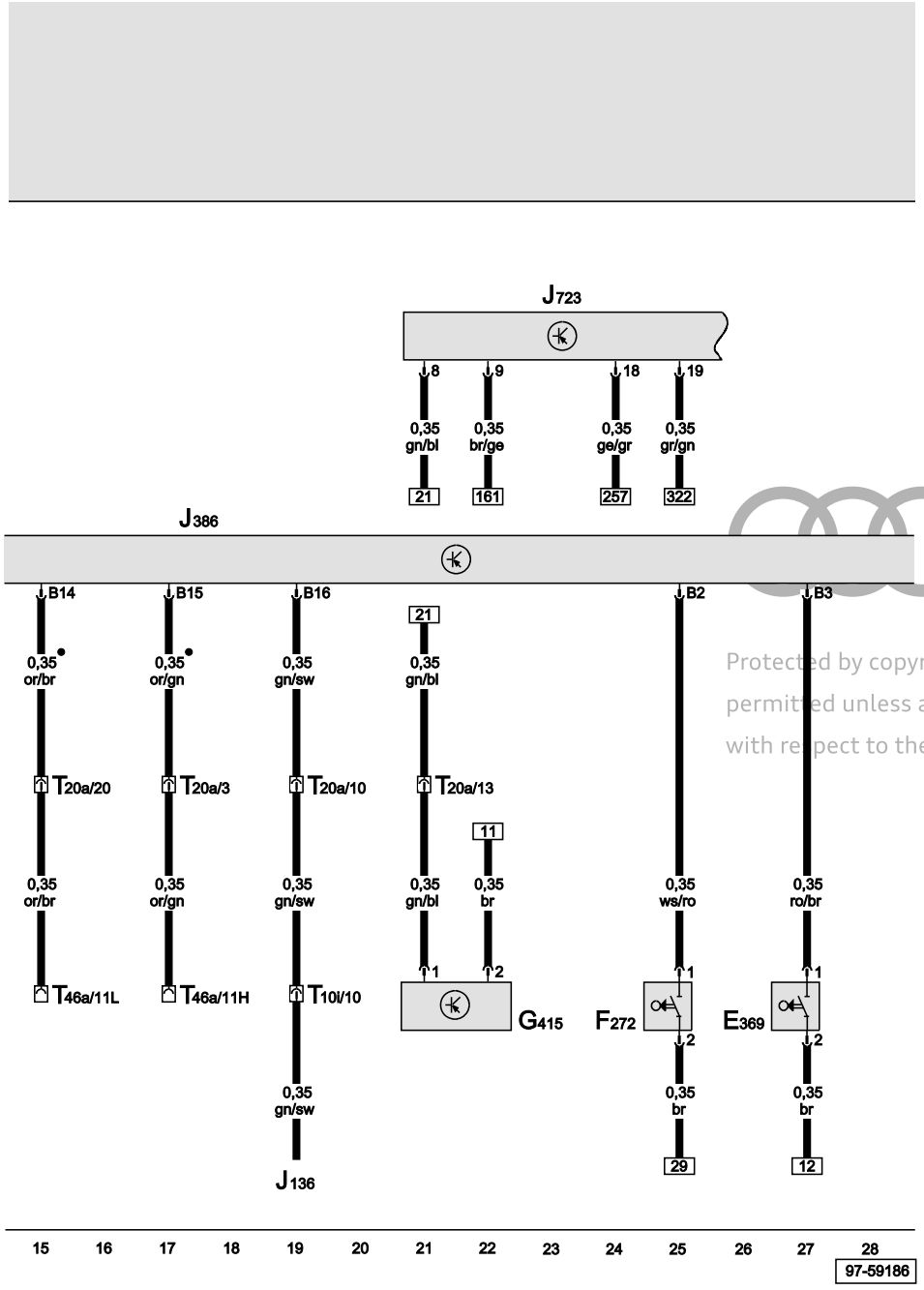
Driver door control unit, fuses

J386	Driver door control unit
S37	Front window regulator single fuse
S131	Fuse 1
S132	Fuse 2
SB38	Fuse 38 in fuse holder
SB39	Fuse 39 in fuse holder
SB44	Fuse 44 in fuse holder
T20a	20-pin connector, left A-pillar
44	Earth point, lower part of left A-pillar
205	Earth connection, in driver door wiring harness
367	Earth connection 2, in main wiring harness
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation
#	Fuse and relay carrier right in luggage compartment
##	fuses on bottom onboard supply control unit
◆	up to October 2005
◆◆	from November 2005

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rs	=	pink

Driver door control unit, driver door exterior handle touch sensor, driver side door exterior handle central locking button, driver door exterior handle switch

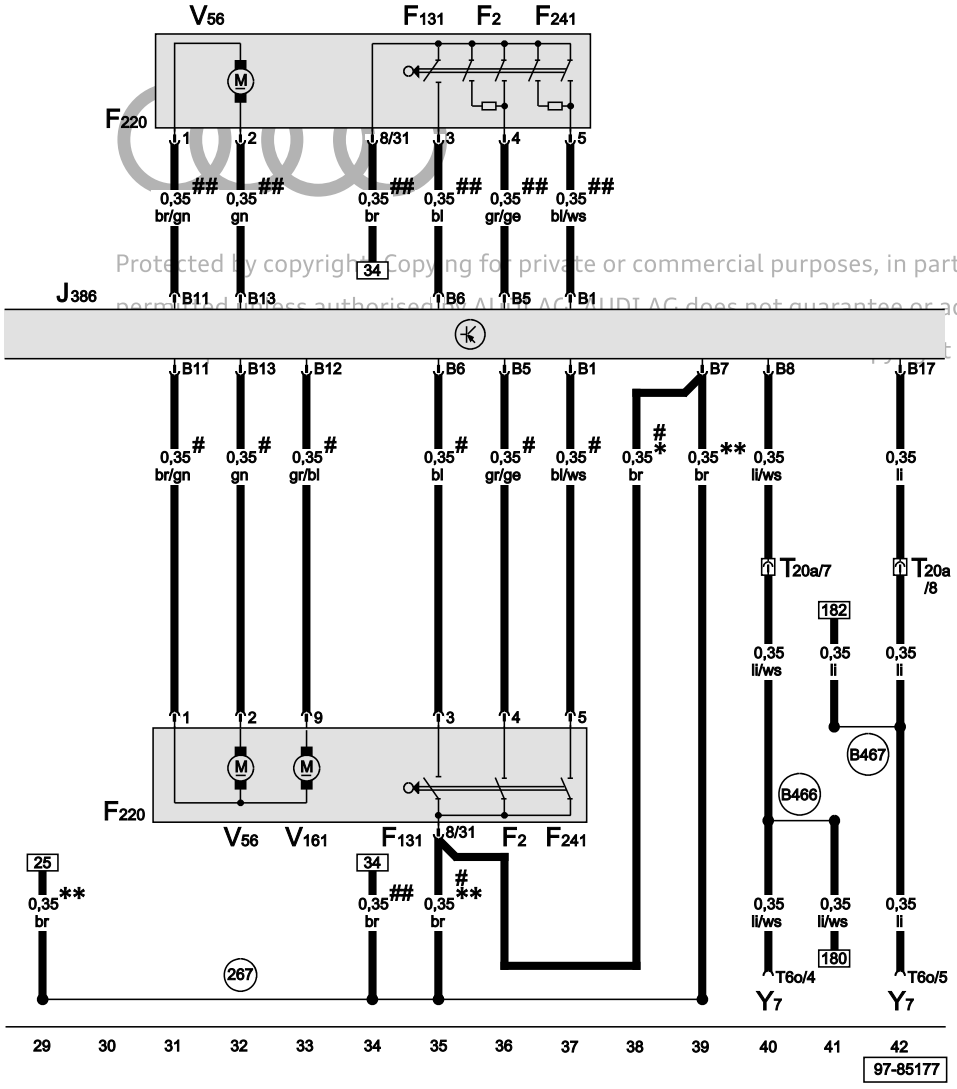
E369	Driver side door exterior handle central locking button
F272	Driver door exterior handle switch
G415	Driver door exterior handle touch sensor
J136	Seat and steering column adjustment control unit with memory
J386	Driver door control unit
J723	Aerial reader unit for keyless entry system
T10i	10-pin connector, red, on left seat cross member
T20a	20-pin connector, black, left A-pillar
T46a	46-pin connector, CAN disconnector left
•	CAN bus (data wire)



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Driver door control unit, driver side central locking lock unit, driver door contact switch, driver door central locking motor



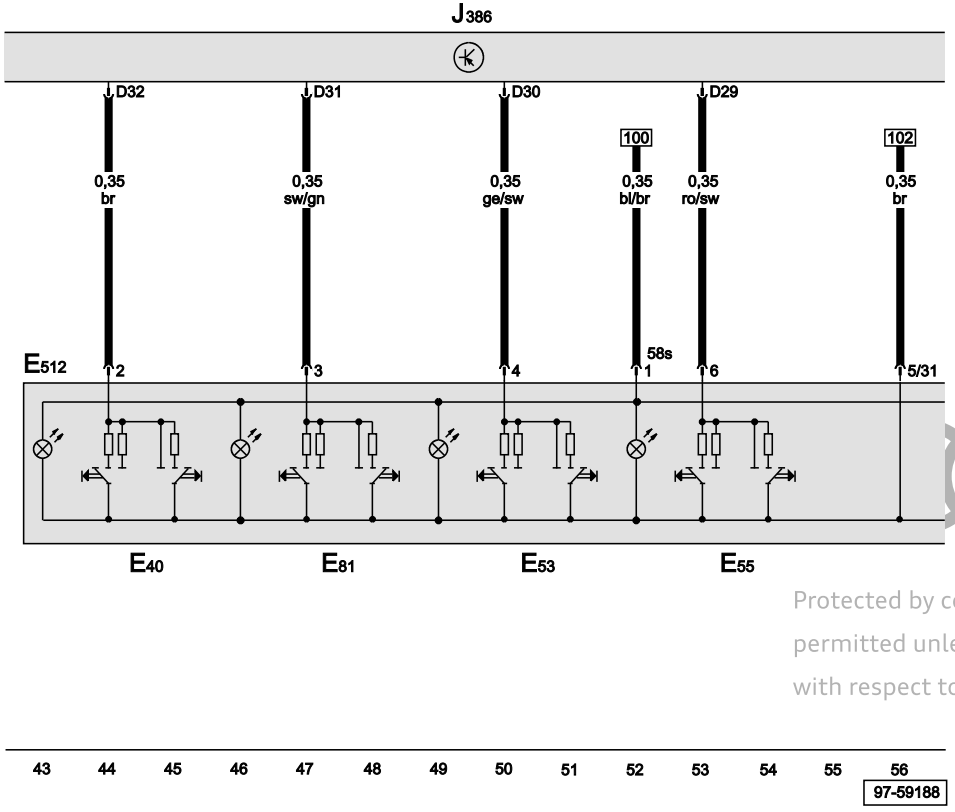
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F2	Driver door contact switch
F131	Front left central locking actuator
F220	Driver side central locking lock unit
F241	Driver side contact switch in lock cylinder
J386	Driver door control unit
T6o	6-pin connector, black, connector B, on roof console
T20a	20-pin connector, black, left A-pillar
V56	Driver door central locking motor
V161	Driver door central locking deadlock function motor
Y7	Automatic anti-dazzle interior mirror
267	Earth connection 2, in driver door wiring harness
B466	Connection 2, in main wiring harness
B467	Connection 3 in main wiring harness
*	models without auxiliary equipment
**	models with auxiliary equipment
#	not USA
##	only USA

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rs	=	pink

Driver door control unit, front left window regulator switch, rear left window regulator switch, rear right window regulator switch, in driver side, front right window regulator switch in driver door

E40	Front left window regulator switch
E53	Rear left window regulator switch, in driver side
E55	Rear right window regulator switch, in driver side
E81	Front right window regulator switch in driver door
E512	Operating unit for window regulator in driver door
J386	Driver door control unit

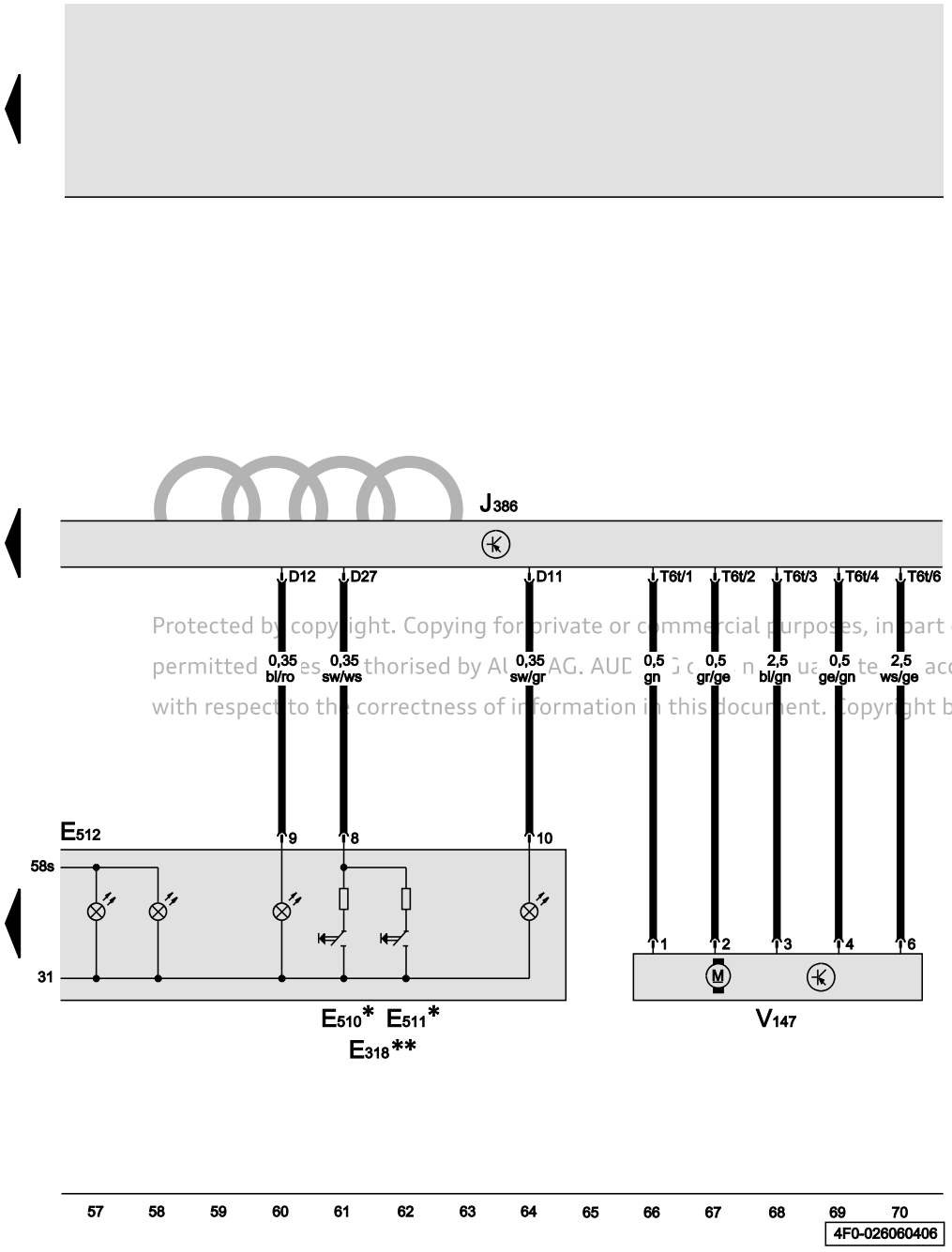


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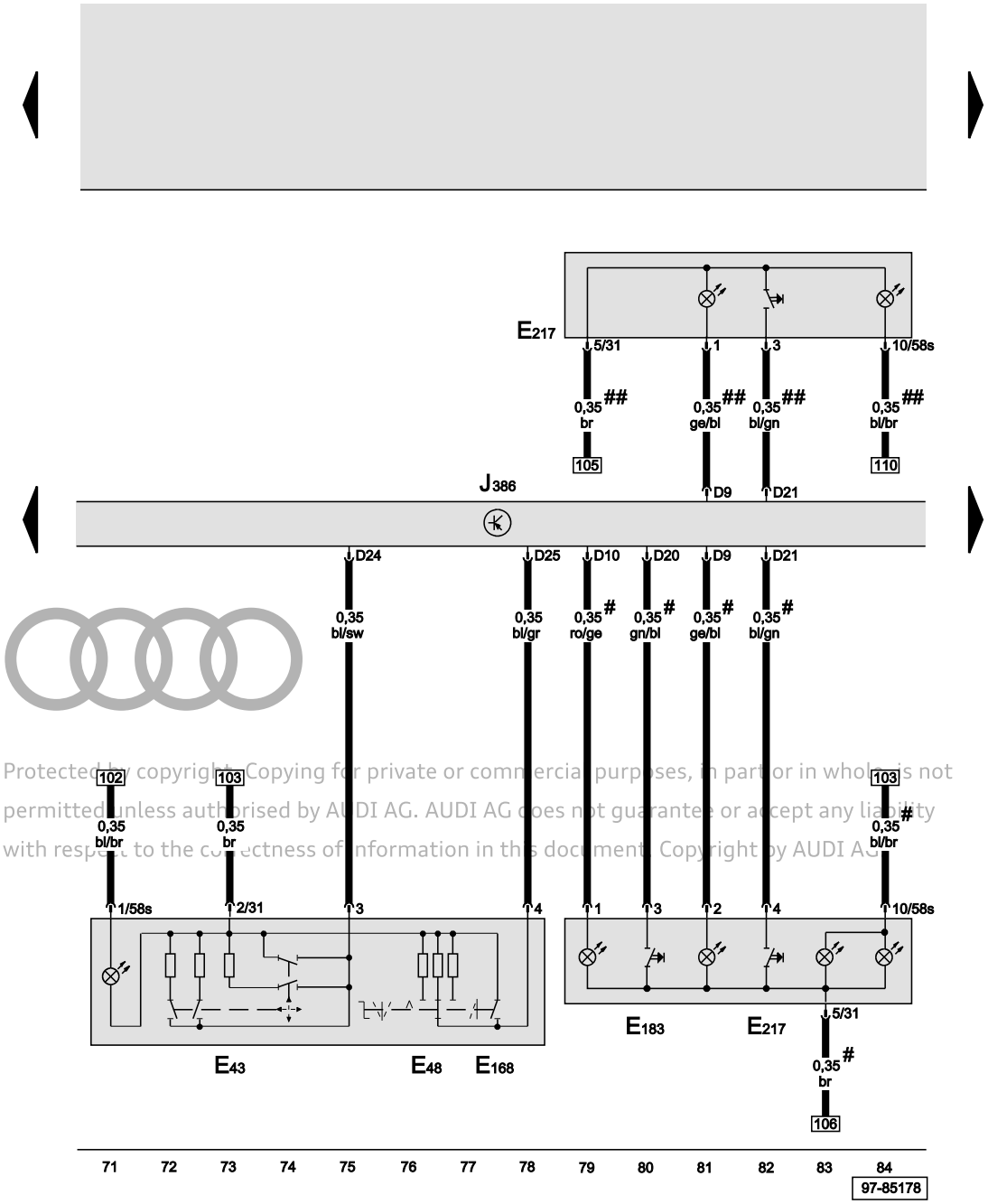
Driver door control unit, driver side window regulator motor, button for left and right childproof lock

E318	Childproof lock button
E510	Button for left childproof lock
E511	Button for right childproof lock
E512	Operating unit for window regulator in driver door
J386	Driver door control unit
T6t	6-pin connector, black, connector A, on driver door control unit
V147	Driver side window regulator motor
*	models with electric childproof lock
**	models without electric childproof lock



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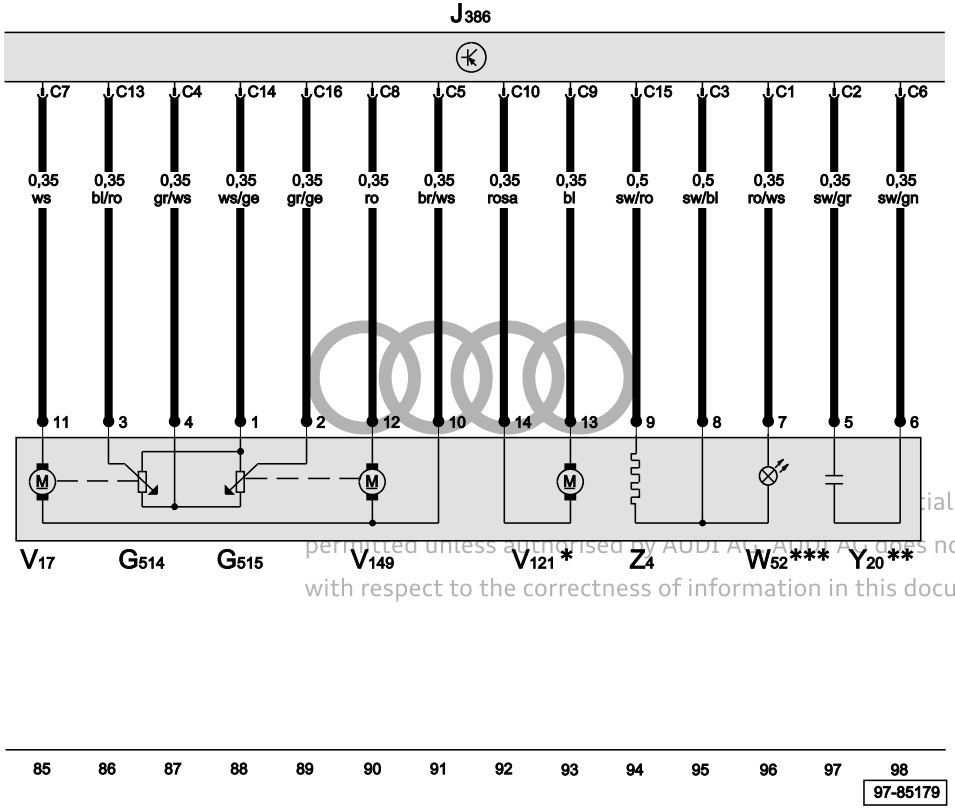
Driver door control unit, mirror adjustment switch, mirror adjustment change-over switch, adjustment switch for mirror with fold-in feature, interior monitoring switch, alarm system off switch

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E168	Adjustment switch for mirror with fold-in feature
E183	Interior monitor deactivation switch
E217	Alarm system off switch
J386	Driver door control unit
#	not USA
##	only USA

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rs	=	pink

Driver door control unit, driver side mirror adjustment motor, driver side fold-in mirror motor, driver side heated exterior mirror, driver side entry light in exterior mirror, driver side automatic anti-dazzle 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
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
W52	Driver side entry light in exterior mirror
Y20	Driver side automatic anti-dazzle exterior mirror
Z4	Driver side heated exterior mirror
*	mirror with fold-in feature
**	models with automatic anti-dazzle exterior mirror
***	models with entry light in exterior mirror



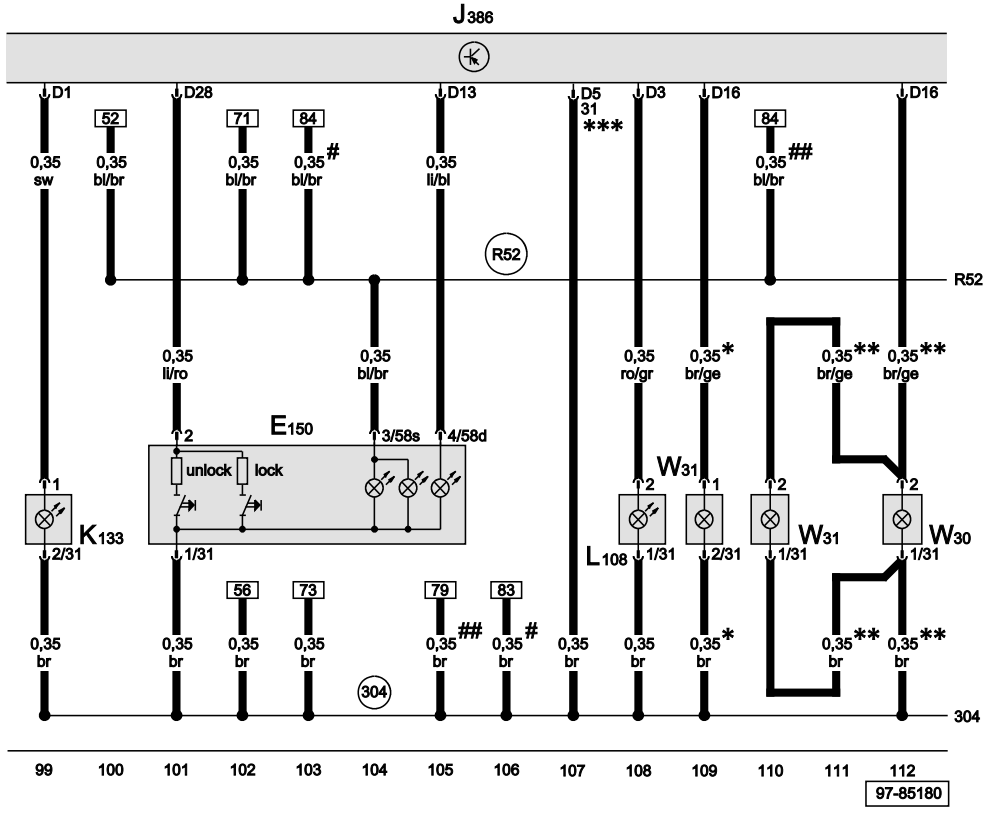
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Driver door control unit, central locking deadlock function warning lamp, driver side interior locking switch, driver door opener illumination, driver side door warning lamp, front left entry light

E150	Driver side interior locking switch
J386	Driver door control unit
K133	Central locking deadlock function warning lamp
L108	Driver door opener illumination
W30	Driver side door warning lamp
W31	Front left entry light
303	Earth connection 3, in driver door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	models without auxiliary inner lights
**	models with auxiliary inner lights
***	switch earth output
#	not USA
##	only USA

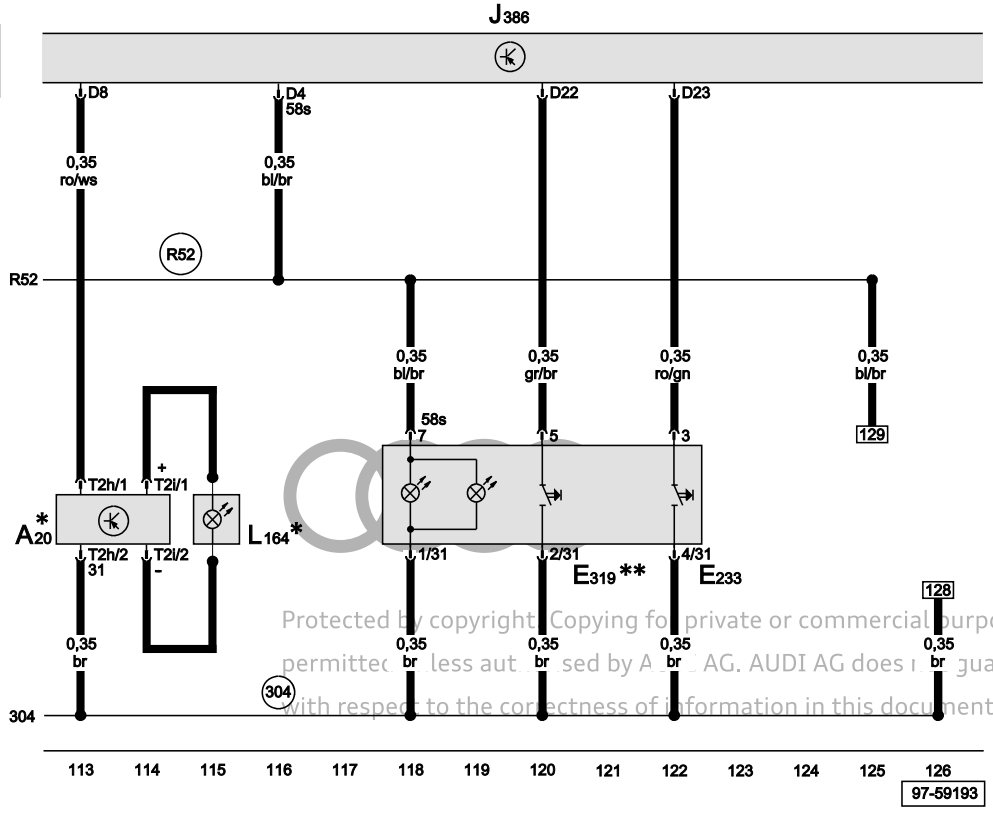
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Driver door control unit, driver door ambient lighting, fuel tank flap release button, rear lid remote release button

A20	Driver door ambient lighting voltage converter
E233	Rear lid remote release button
E319	Fuel tank flap release button
J386	Driver door control unit
L164	Driver door ambient lighting
T2h	2-pin connector, on ambient lighting voltage converter
T2i	2-pin connector, on ambient lighting voltage converter
303	Earth connection 3, in driver door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	models with auxiliary inner lights
**	only USA



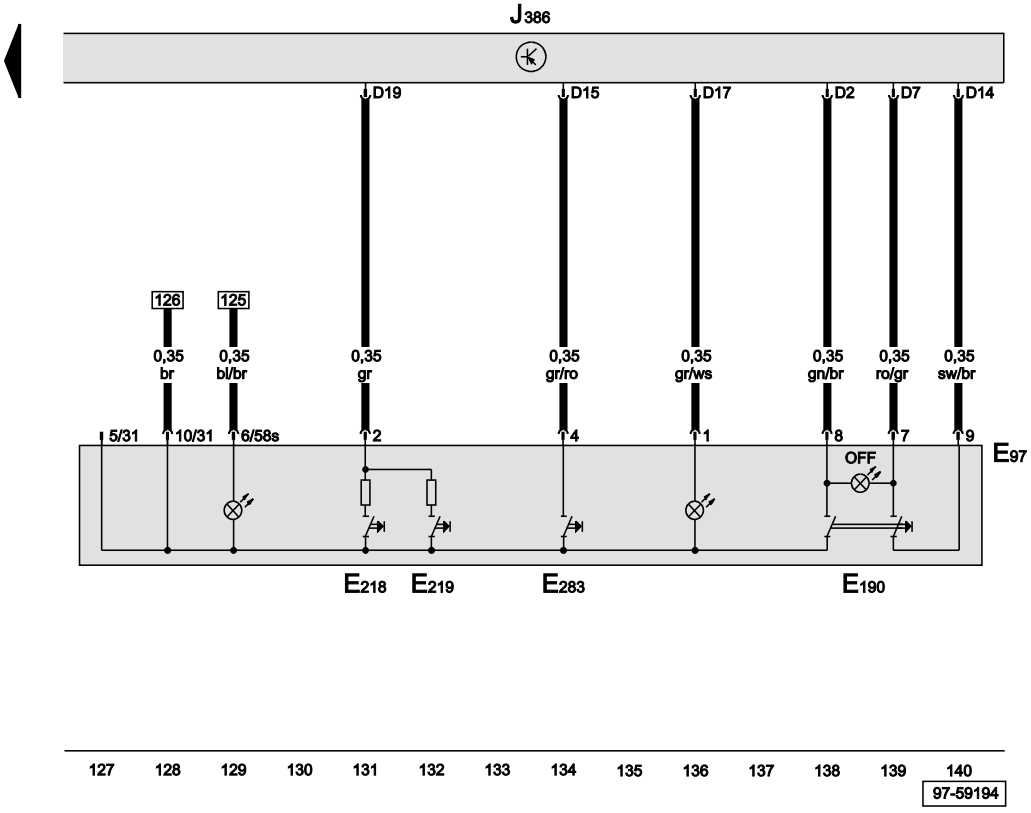
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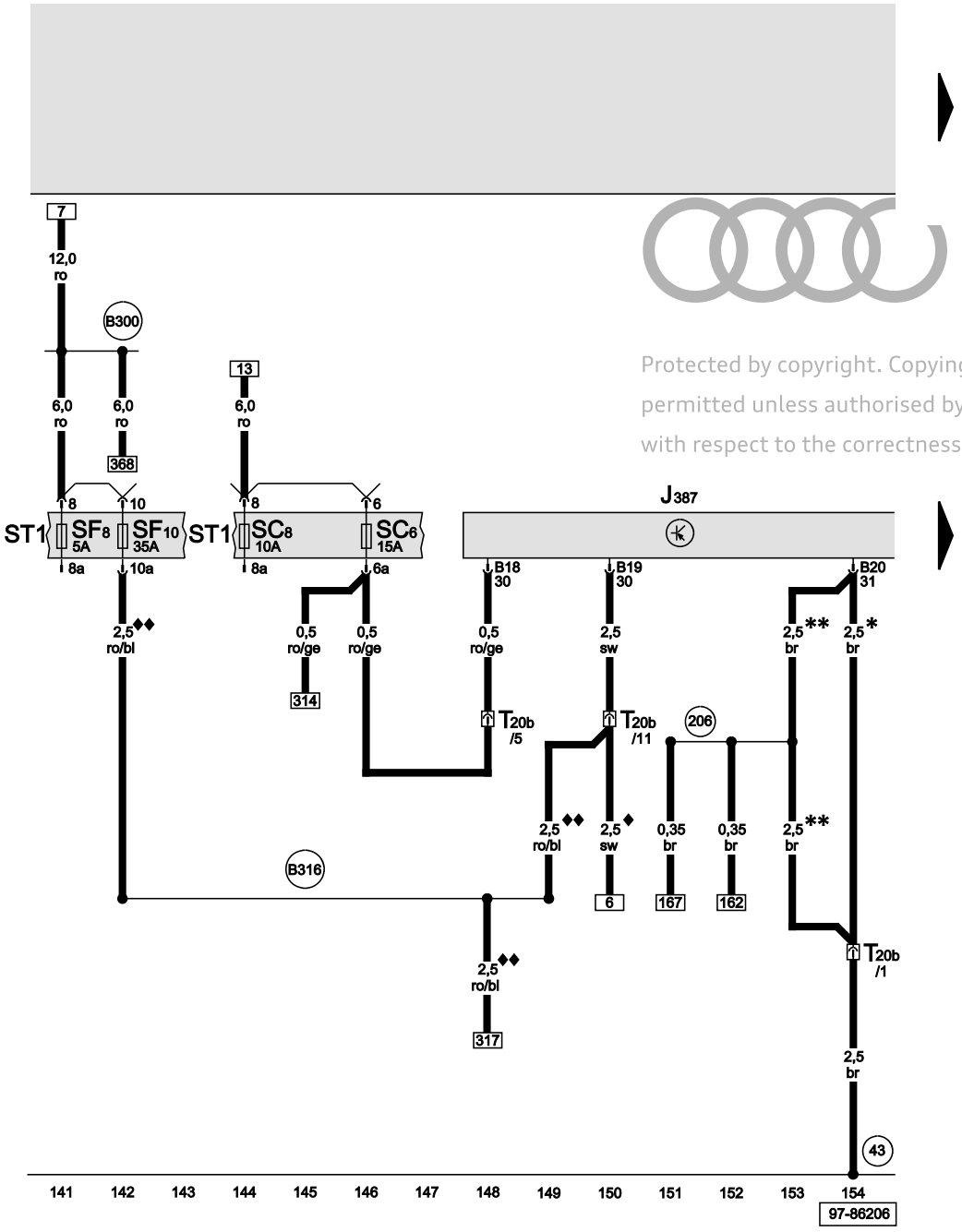
Driver door control unit, driver seat memory operating unit, emergency-off button

E97	Driver seat memory operating unit
E190	Emergency-off button
E218	Seat memory position button 1
E219	Seat memory position button 2
E283	Driver seat memory function button
J386	Driver door control unit

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Front passenger door control unit

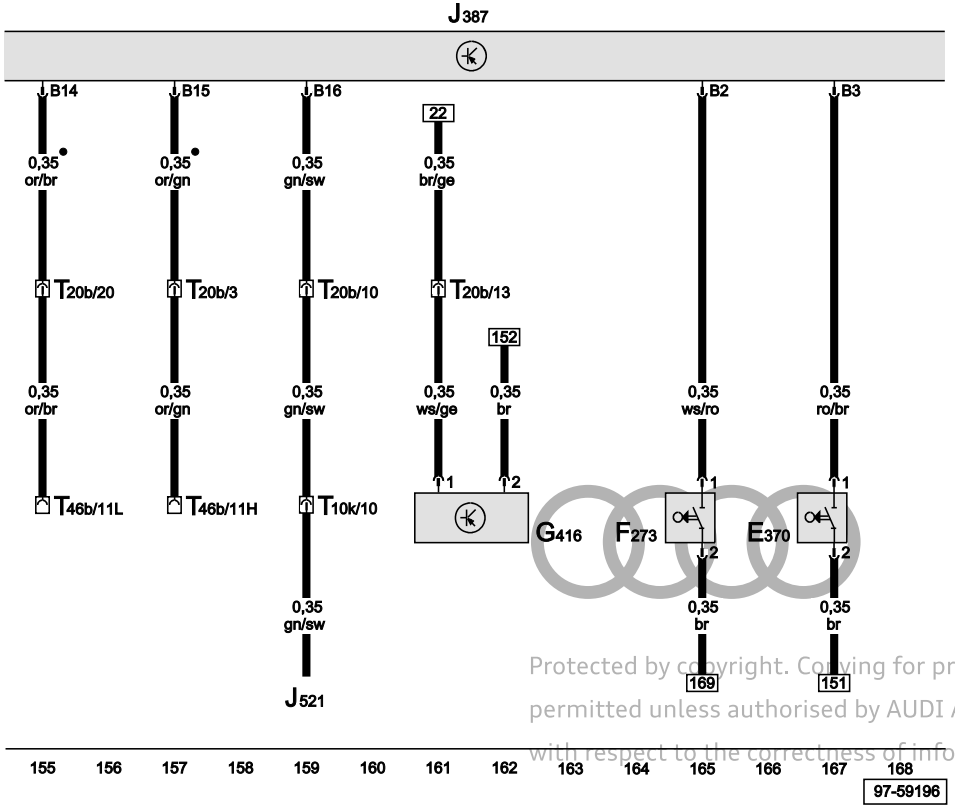
J387	Front passenger side door control unit
SC6	Fuse 6 in fuse holder
SC8	Fuse 8 in fuse holder
SF8	Fuse 8 in fuse holder
SF10	Fuse 10 in fuse holder
T20b	20-pin connector, black, right A-pillar
43	Earth point, lower part of right A-pillar
206	Earth connection, in door wiring harness, front passenger side
B300	Positive connection 4 (30), in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	models without auxiliary equipment
**	models with auxiliary equipment
◆	up to October 2005
◆◆	from November 2005

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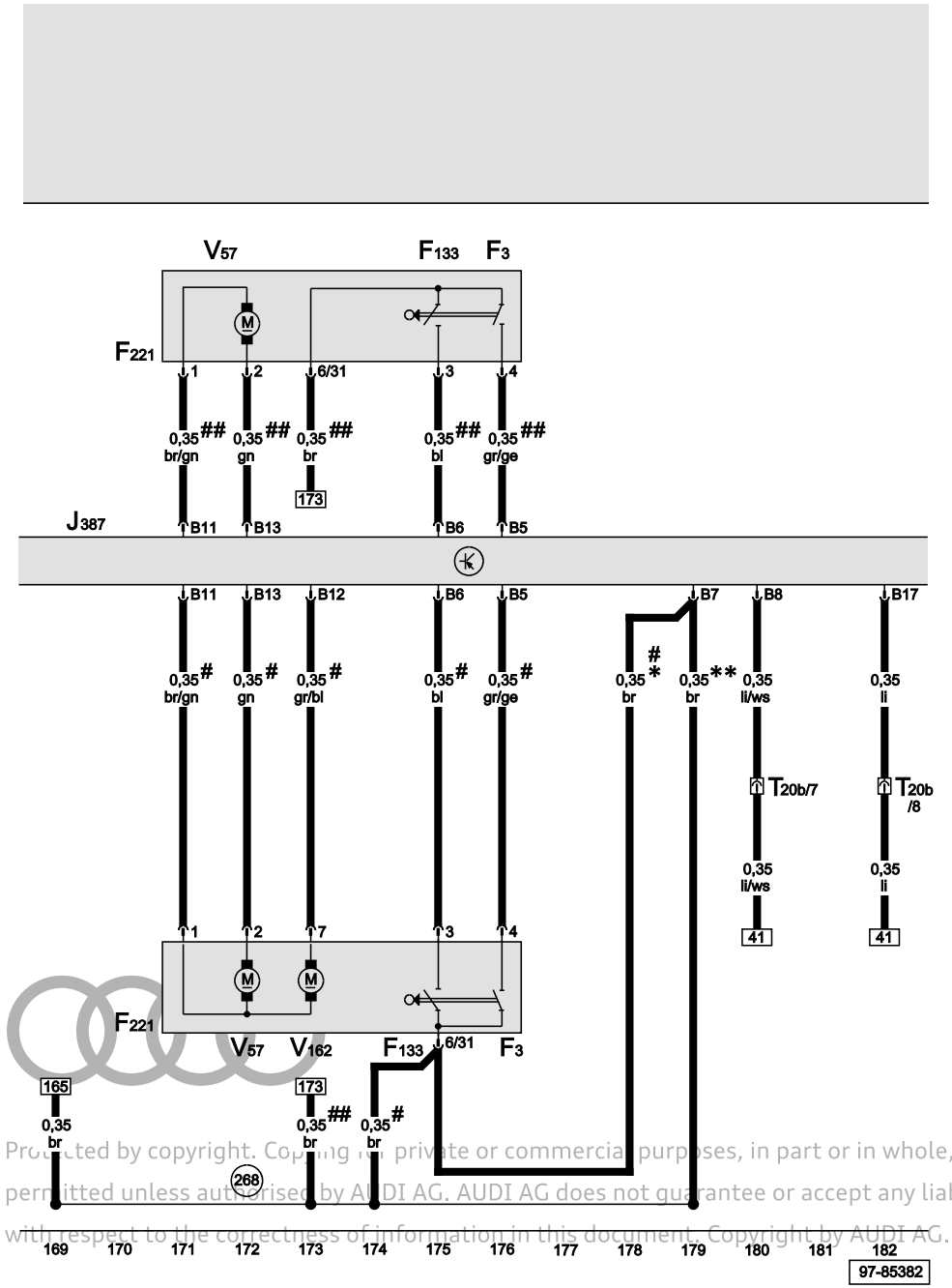
Front passenger door control unit, front passenger door exterior handle switch, front passenger door exterior handle central locking button, front passenger door exterior handle touch sensor

E370	Front passenger door exterior handle central locking button
F273	Front passenger door exterior handle switch
G416	Front passenger door exterior handle touch sensor
J387	Front passenger side door control unit
J521	Front passenger seat adjustment with memory control unit
T10k	10-pin connector, red, on right of seat cross member
T20b	20-pin connector, black, right A-pillar
T46b	46-pin connector, CAN disconnector right
•	CAN bus (data wire)



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Front passenger door control unit, front passenger door contact switch, front passenger door central locking motor, front passenger side central locking lock unit

F3	Front passenger door contact switch
F133	Front right central locking actuator
F221	Front passenger side central locking lock unit
J387	Front passenger side door control unit
T20b	20-pin connector, black, right A-pillar
V57	Front passenger door central locking deadlock function motor
V162	Front passenger door central locking deadlock function motor
268	Earth connection 2, in front passenger side door wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation
#	not USA
##	only USA

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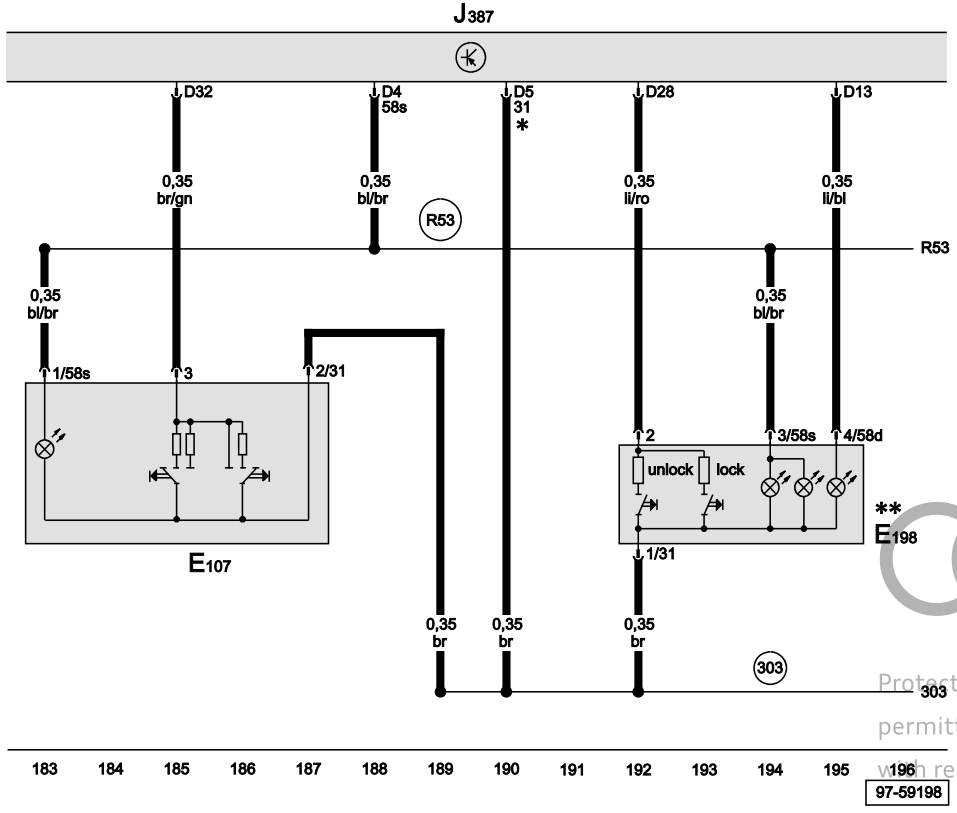
Front passenger door control unit, window regulator switch in front passenger door, front passenger side interior locking switch

E107 Window regulator switch in front passenger door
E198 Front passenger side interior locking switch
J387 Front passenger side door control unit

304 Earth connection 3, in front passenger side door wiring harness

R53 Connection (58s), in front passenger side door wiring harness

* switch earth output
** only USA

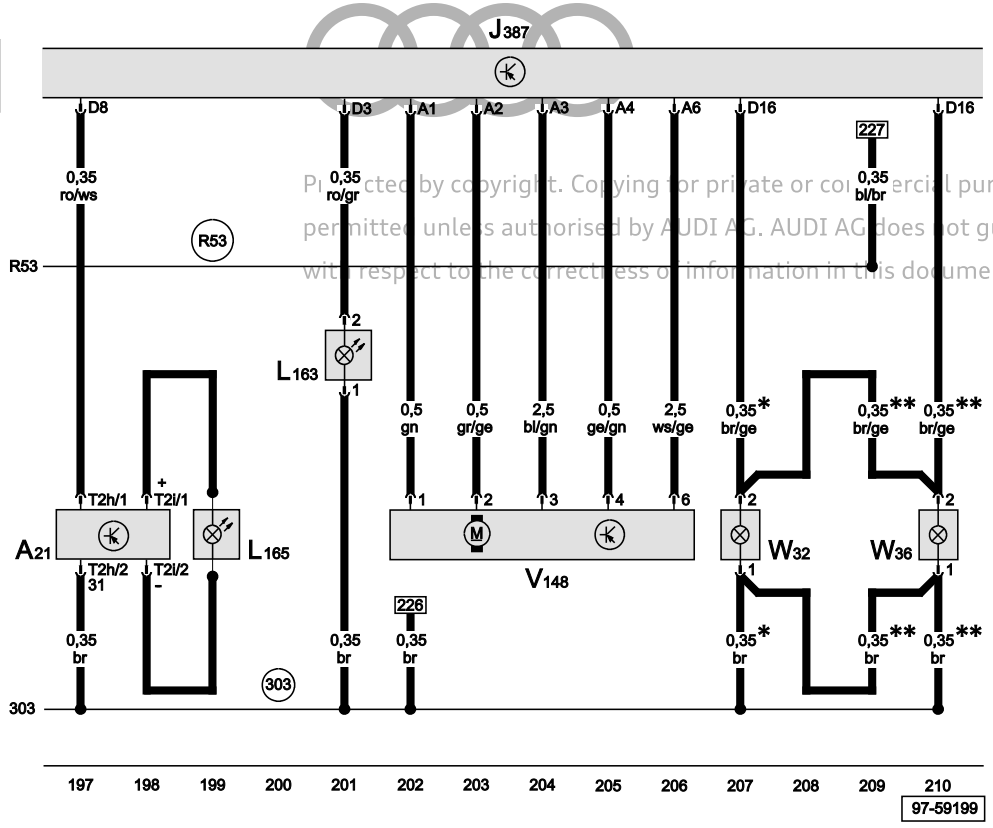


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Front passenger door control unit, front passenger side window regulator motor, front passenger door ambient lighting, front right entry light, front passenger side door warning lamp, front right door exterior handle illumination bulb

A21	Front passenger door ambient lighting voltage converter
J387	Front passenger side door control unit
L163	Front right door exterior handle illumination bulb
L165	Front passenger door ambient lighting
V148	Front passenger side window regulator motor
W32	Front right entry light
W36	Front passenger side door warning lamp
304	Earth connection 3, in front passenger side door wiring harness
R53	Connection (58s), in front passenger side door wiring harness
*	models without auxiliary inner lights
**	models with auxiliary inner lights

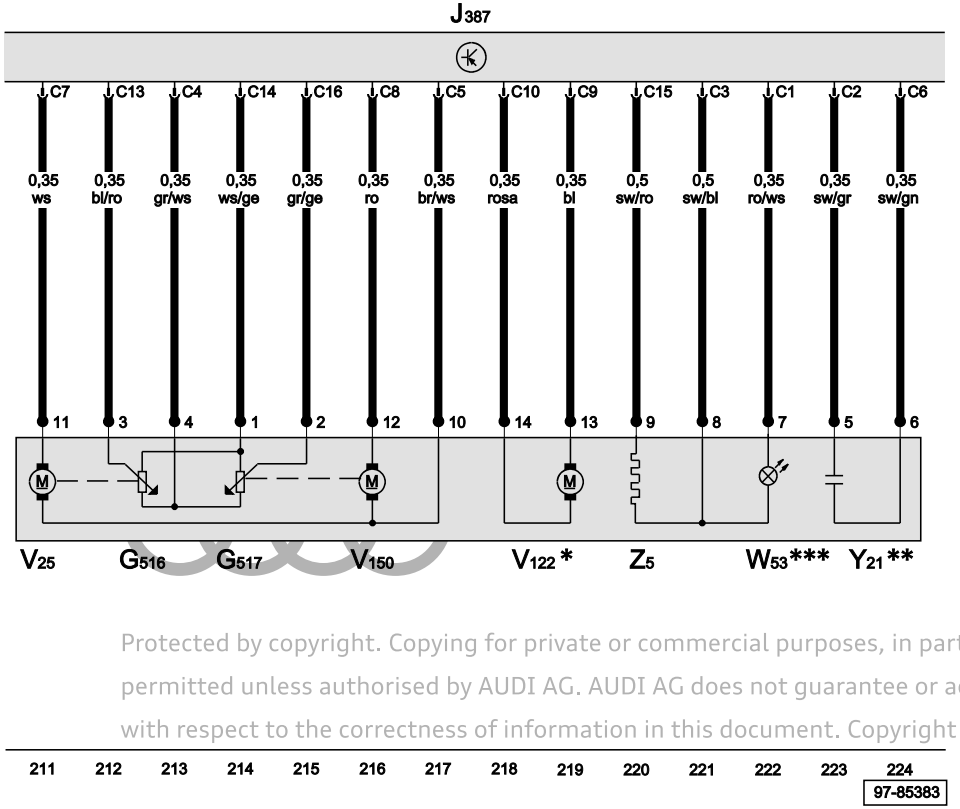


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Front passenger door control unit, front passenger side mirror adjustment, front passenger side fold-in mirror motor, front passenger side entry light in exterior mirror, front passenger side automatic anti-dazzle exterior mirror, front passenger side heated 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 side door control unit
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V150	Front passenger side mirror adjustment motor
W53	Front passenger side entry light in exterior mirror
Y21	Front passenger side automatic anti-dazzle exterior mirror
Z5	Front passenger side heated exterior mirror
*	mirror with fold-in feature
**	models with automatic anti-dazzle exterior mirror
***	models with entry light in exterior mirror



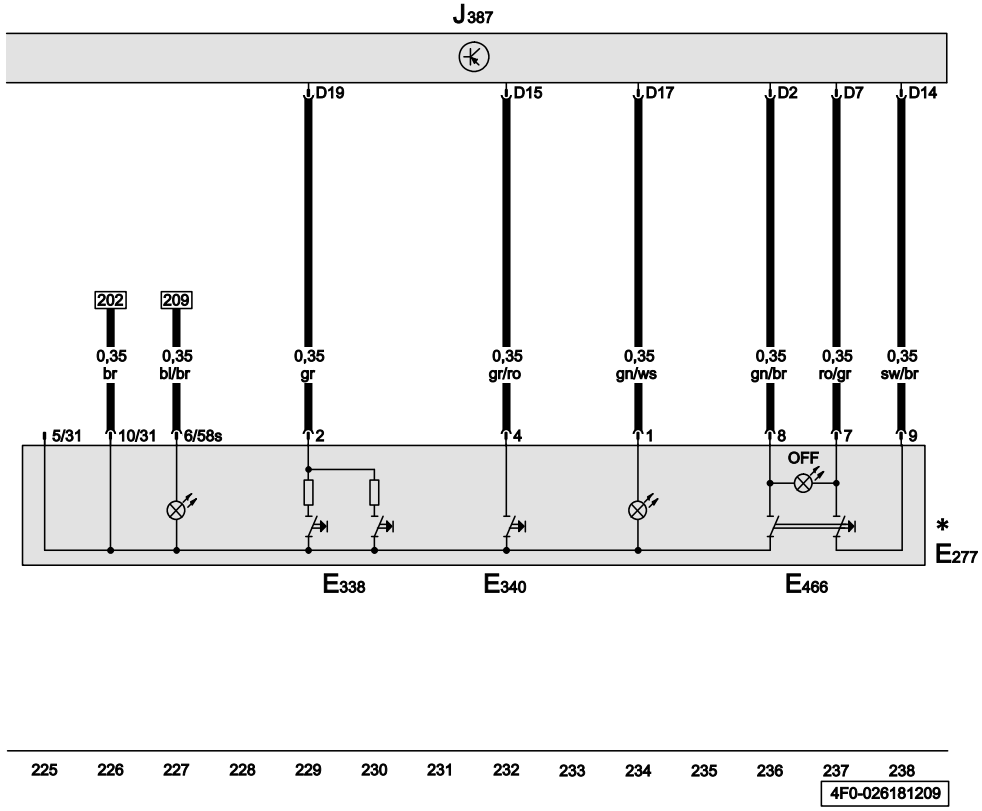
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Front passenger door control unit, front passenger seat memory operating unit, front passenger side emergency off button

E277	Front passenger seat memory operating unit
E338	Seat memory button for seat positions 1 and 2
E340	Front passenger seat memory function button
E466	Front passenger side emergency off button
J387	Front passenger side door control unit
*	not USA

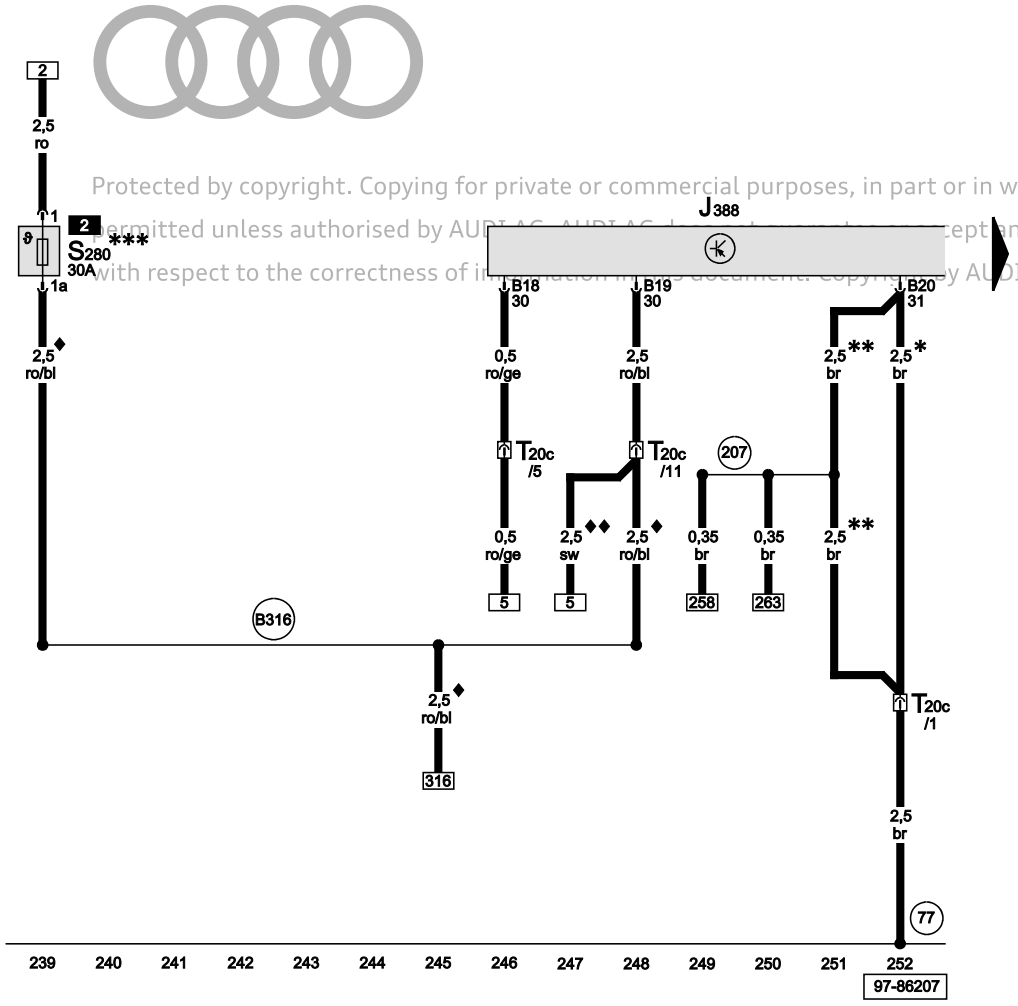
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Rear left door control unit, window regulator single fuse 2

J388	Rear left door control unit
S280	Window regulator single fuse 2
T20c	20-pin connector, black, left B-pillar
77	Earth point, lower part of left B-pillar
207	Earth connection, in rear left door wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation
***	fuses on bottom onboard supply control unit
◆	up to October 2005
◆◆	from November 2005



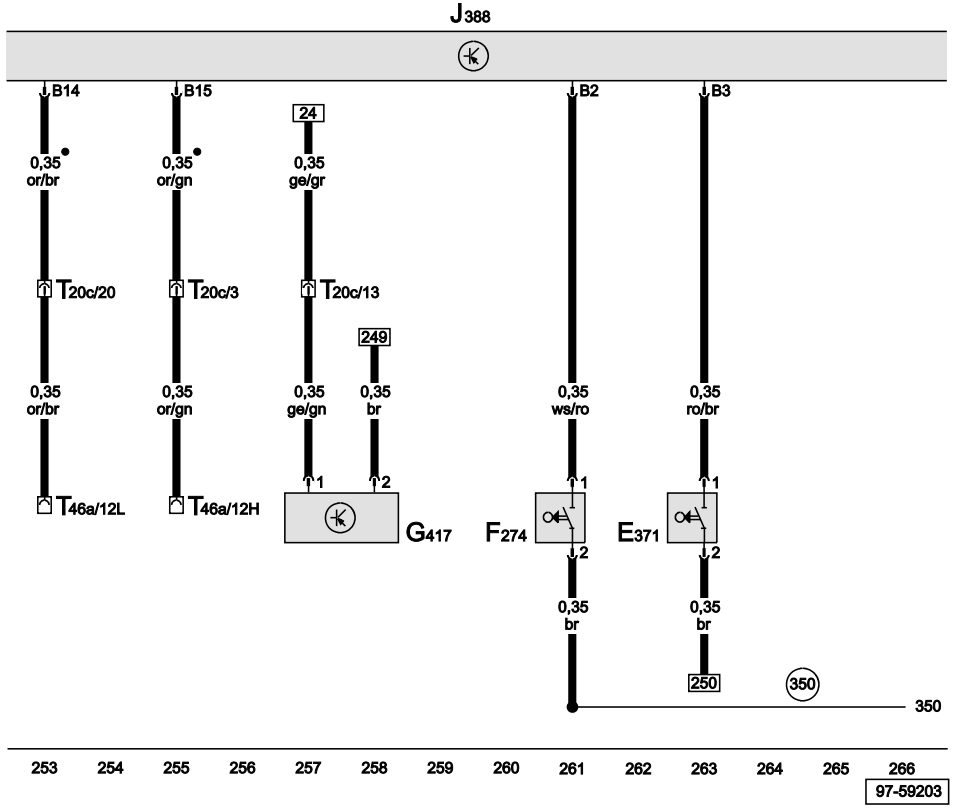
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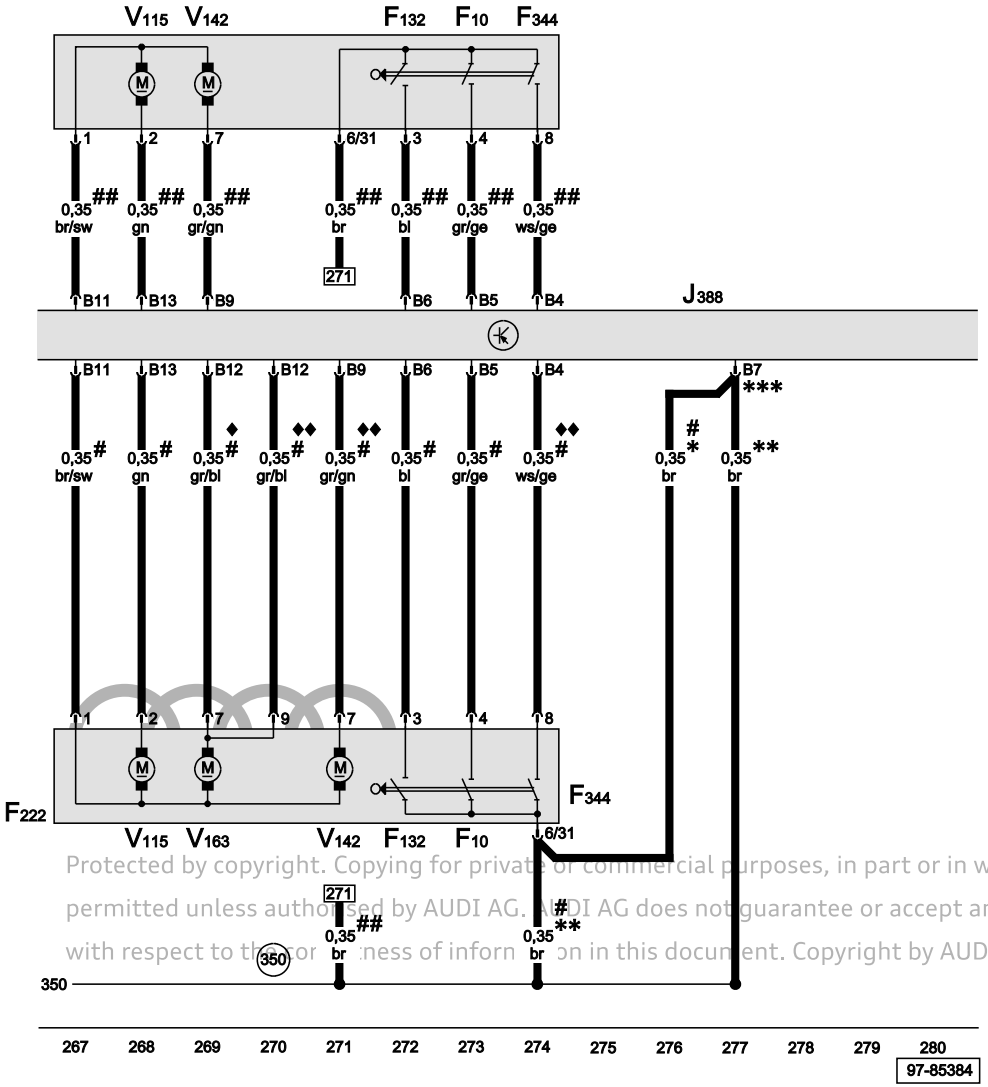
Rear left door control unit, rear left door exterior handle touch sensor, rear left door exterior handle switch, rear left door exterior handle central locking button

E371	Rear left door exterior handle central locking button
F274	Rear left door exterior handle switch
G417	Rear left door exterior handle touch sensor
J388	Rear left door control unit
T20c	20-pin connector, black, left B-pillar
T46a	46-pin connector, CAN disconnector left
(350)	Earth connection 2, in rear left door wiring harness
•	CAN bus (data wire)

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Rear left door control unit, rear left central locking lock unit, rear left door central locking motor, rear left door central locking deadlock function motor, rear left door contact switch, rear left door central locking deadlock function motor

F10	Rear left door contact switch
F132	Rear left central locking actuator
F222	Rear left central locking lock unit
F344	Rear left childproof lock contact switch
J388	Rear left door control unit
V115	Rear left door central locking motor
V142	Rear left childproof lock motor
V163	Rear left door central locking deadlock function motor
350	Earth connection 2, in rear left door wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation
***	switch earth output
#	not USA
##	only USA
◆	models without childproof lock
◆◆	models with childproof lock

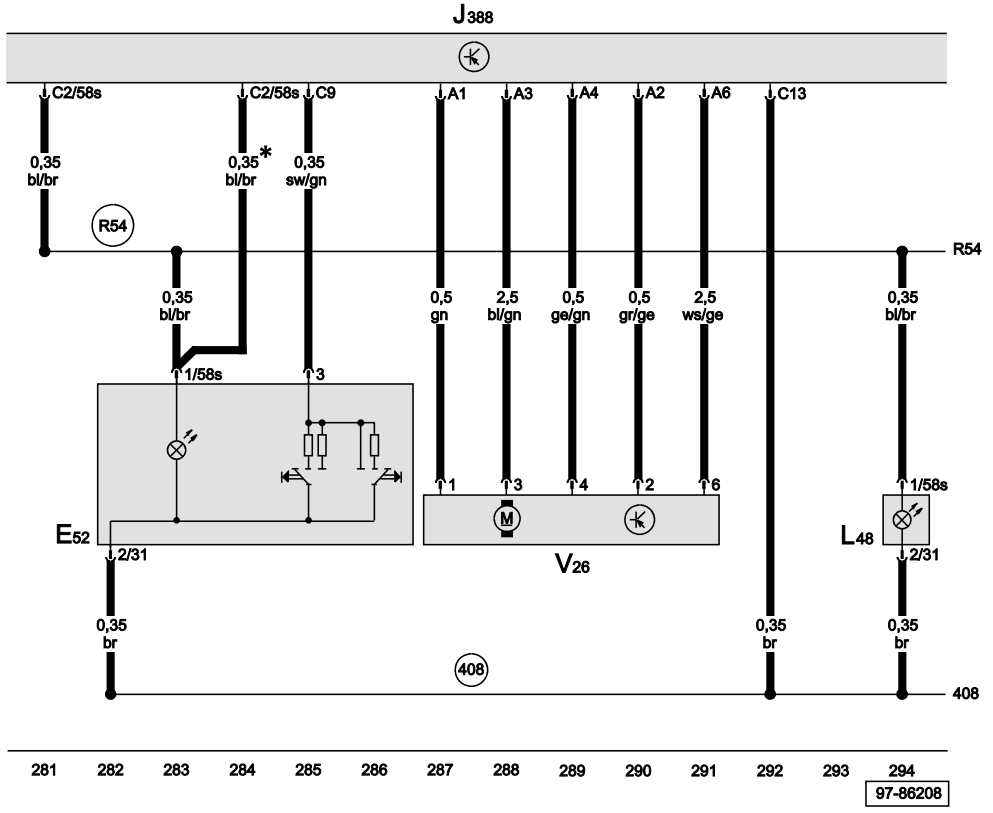
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Rear left door control unit, rear left window regulator switch, in door, rear left ashtray illumination bulb, rear left window regulator motor

E52	Rear left window regulator switch, in door
J388	Rear left door control unit
L48	Rear left ashtray illumination bulb
V26	Rear left window regulator motor
408	Earth connection 3, in rear left door wiring harness
R54	Connection (58s), in rear left door wiring harness
*	models without rear ashtray

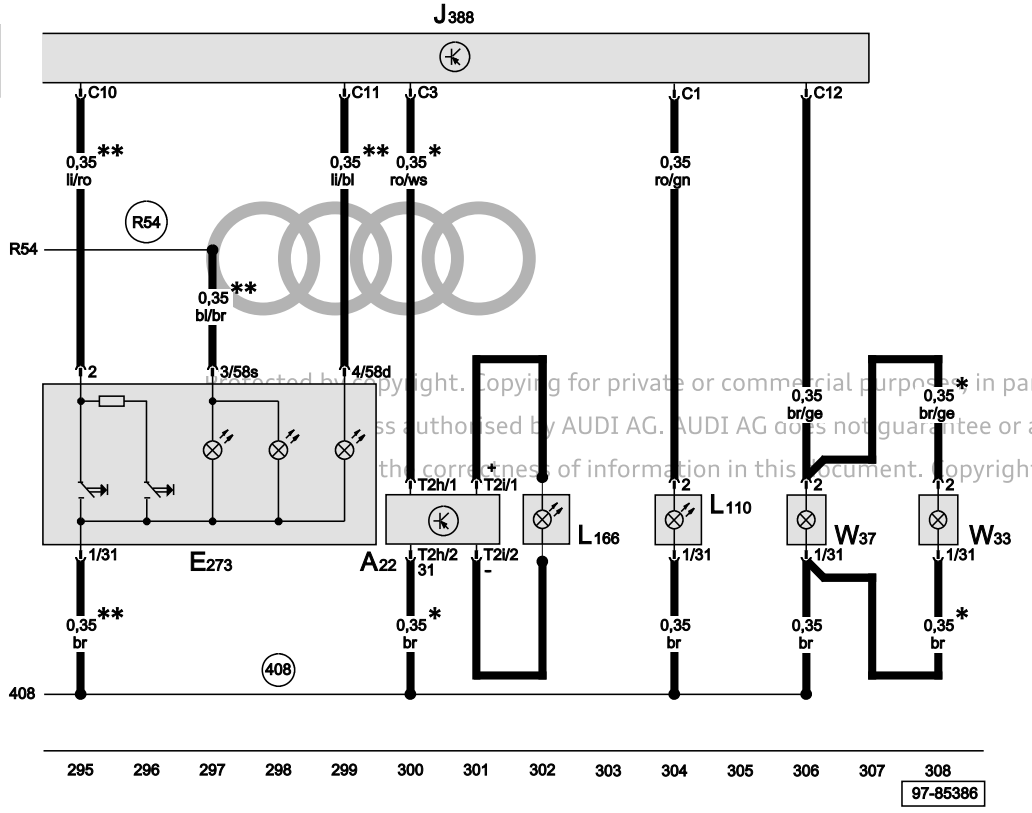
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rs	=	pink

Rear left door control unit, rear left door ambient lighting bulb, rear left door opener illumination, rear left entry light, rear left door warning lamp

A22	Rear left door ambient lighting voltage converter
E273	Rear left interior locking switch
J388	Rear left door control unit
L110	Rear left door opener illumination
L166	Rear left door ambient lighting bulb
T2h	2-pin connector, on ambient lighting voltage converter
T2i	2-pin connector, on ambient lighting voltage converter
W33	Rear left entry light
W37	Rear left door warning lamp
408	Earth connection 3, in rear left door wiring harness
*	models with auxiliary interior lights
**	only USA

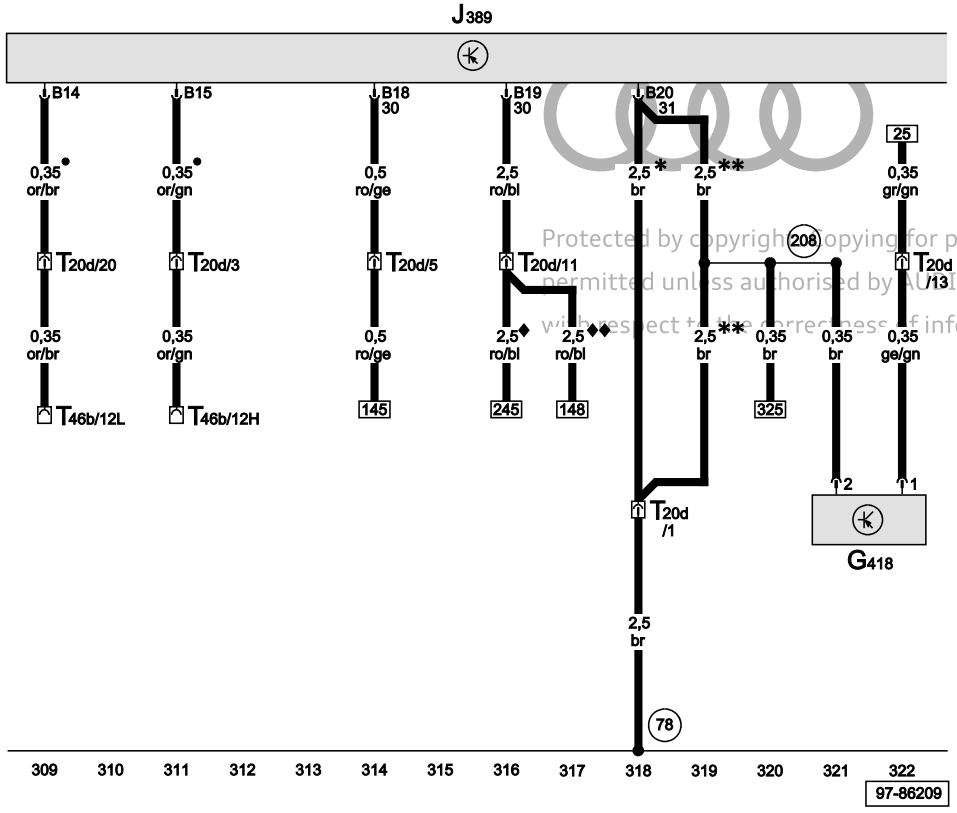


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Rear right door control unit, rear right door exterior door handle touch sensor

G418	Rear right door exterior door handle touch sensor
J389	Rear right door control unit
T20d	20-pin connector, black, right B-pillar
T46b	46-pin connector, CAN disconnector right
78	Earth point, lower part of right B-pillar
208	Earth connection, in rear right door wiring harness
•	CAN bus (data wire)
*	models without entry and start authorisation
**	models with entry and start authorisation
◆	up to October 2005
◆◆	from November 2005

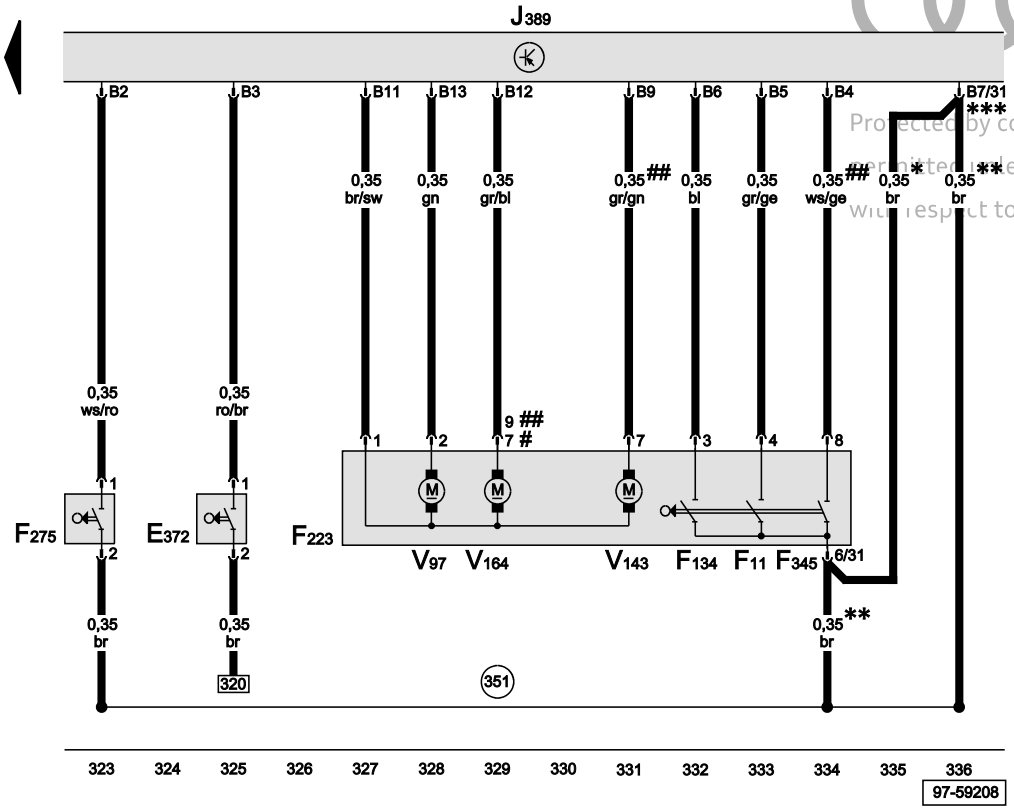


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Rear right door control unit, rear right door exterior handle switch, rear right door exterior handle central locking button, rear right central locking lock unit, rear right childproof lock motor

E372	Rear right door exterior handle central locking button
F11	Rear right door contact switch
F134	Rear right central locking actuator
F223	Rear right central locking lock unit
F275	Rear right door exterior handle switch
F345	Rear right childproof lock contact switch
J389	Rear right door control unit
V97	Rear right door central locking motor
V143	Rear right childproof lock motor
V164	Rear right door central deadlock function locking motor
351	Earth connection 2, in rear right door wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation
***	switch earth output
#	models without childproof lock
##	models with childproof lock

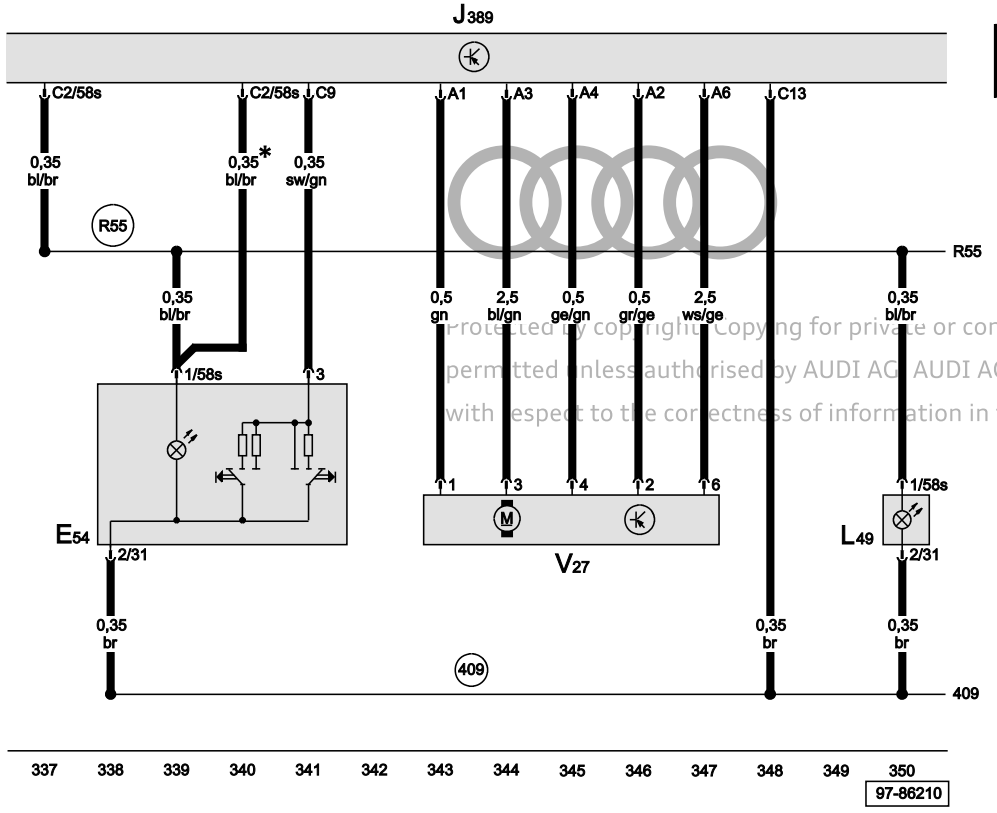


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Rear right door control unit, rear right window regulator switch, in door, rear right ashtray illumination bulb, rear right window regulator motor

E54	Rear right window regulator switch, in door
J389	Rear right door control unit
L49	Rear right ashtray illumination bulb
V27	Rear right window regulator motor
409	Earth connection 3, in rear right door wiring harness
R55	Connection (58s), in rear right door wiring harness
*	models without rear ashtray



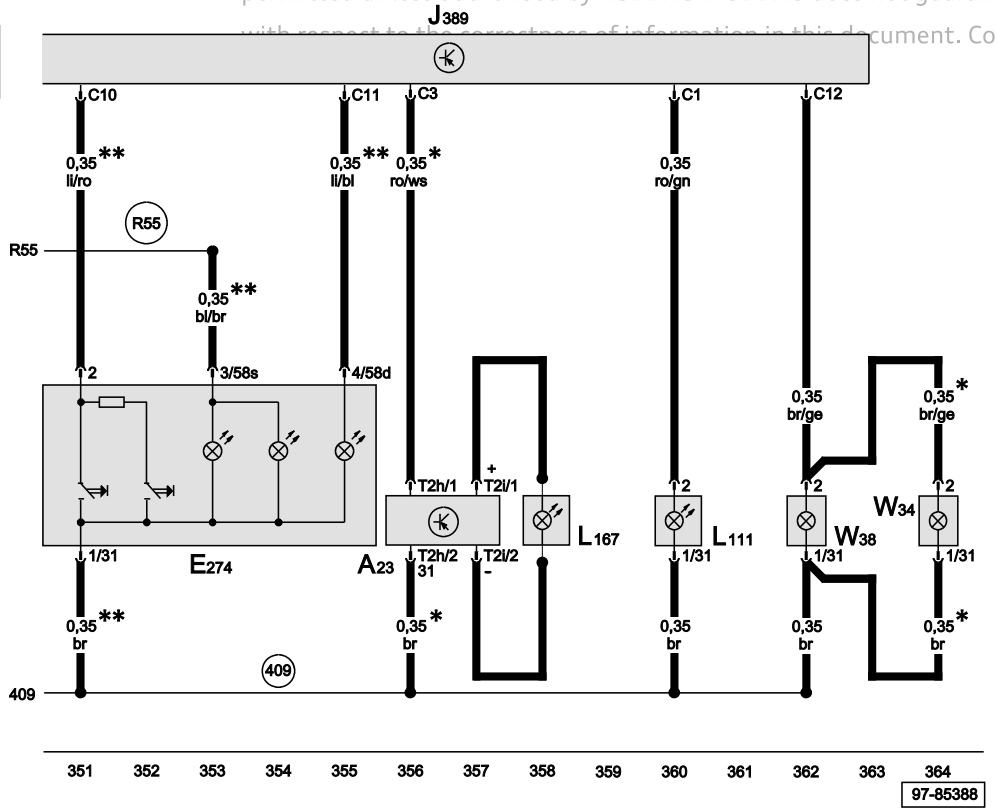
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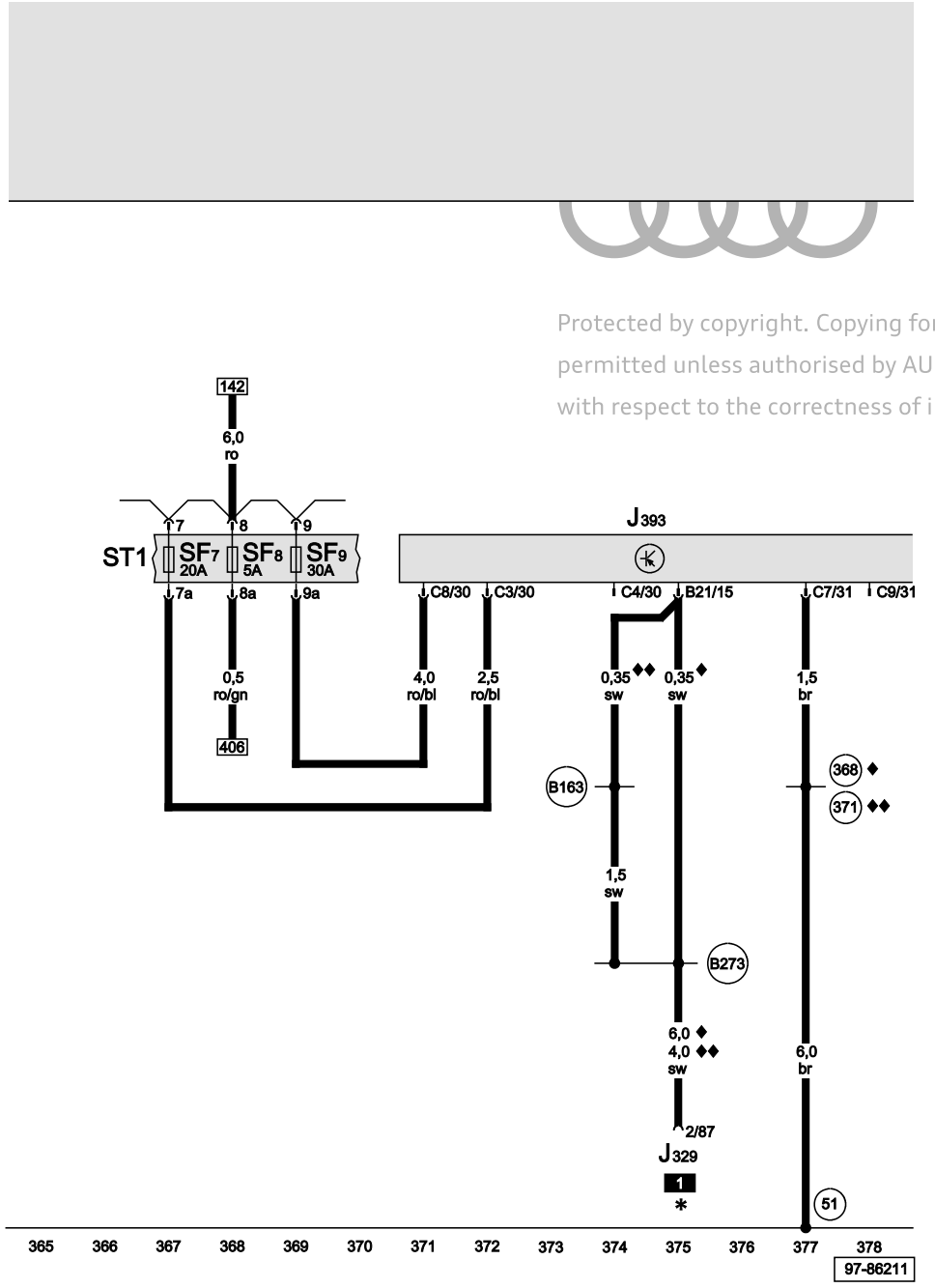
Rear right door control unit, rear right door ambient lighting bulb, rear right entry light, rear right door warning lamp, rear right door opener illumination

A23	Rear right door ambient lighting voltage converter
E274	Rear right interior locking switch
J389	Rear right door control unit
L111	Rear right door opener illumination
L167	Rear right door ambient lighting bulb
T2h	2-pin connector, on ambient lighting voltage converter
T2i	2-pin connector, on ambient lighting voltage converter
W34	Rear right entry light
W38	Rear right door warning lamp
409	Earth connection 3, in rear right door wiring harness
*	models with auxiliary interior lights
**	only USA

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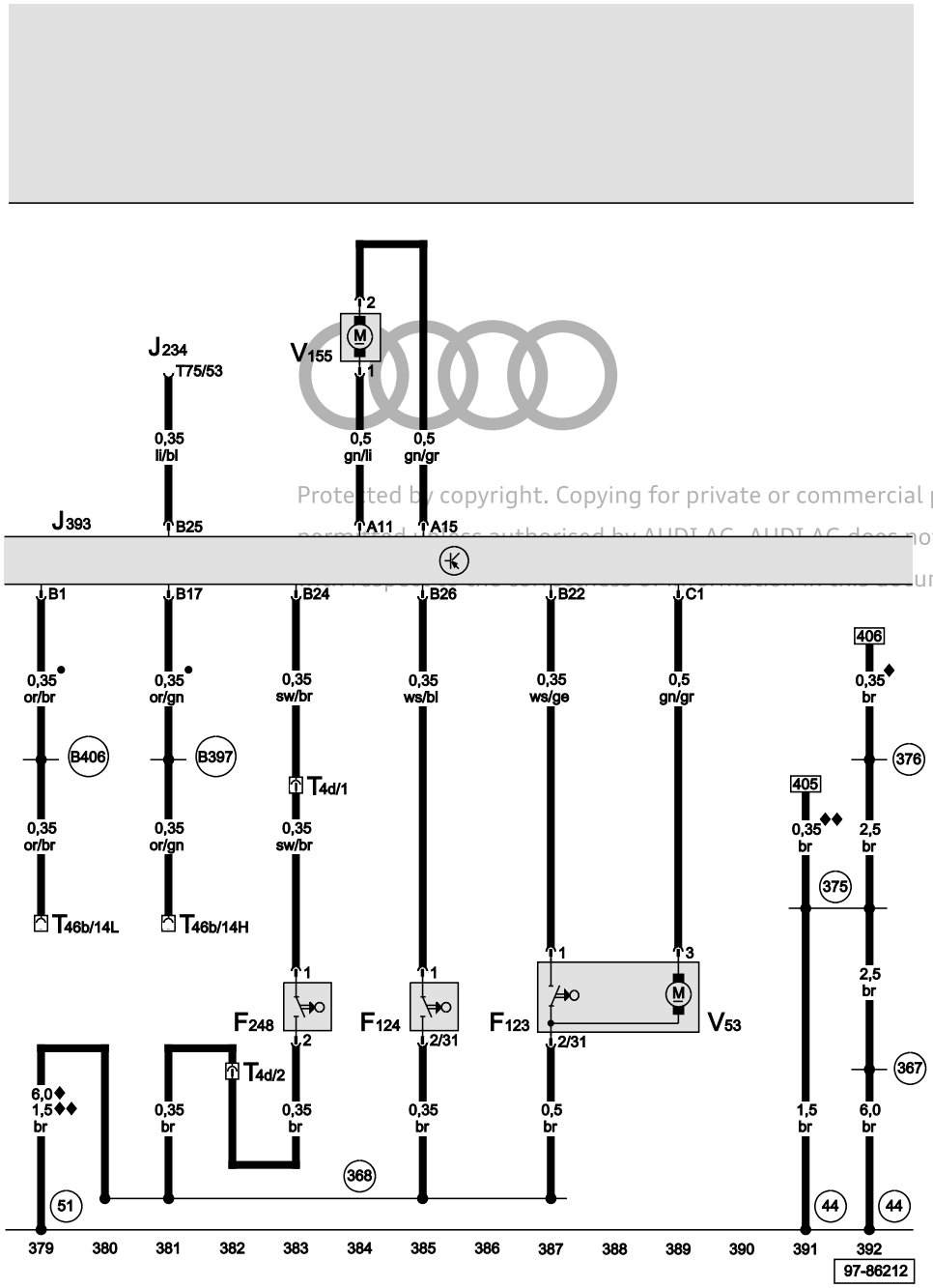


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Convenience system central control unit, fuses

J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
SF7	Fuse 7 in fuse holder
SF8	Fuse 8 in fuse holder
SF9	Fuse 9 in fuse holder
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
*	9-point relay carrier, behind driver storage compartment
◆	up to October 2005
◆◆	from November 2005

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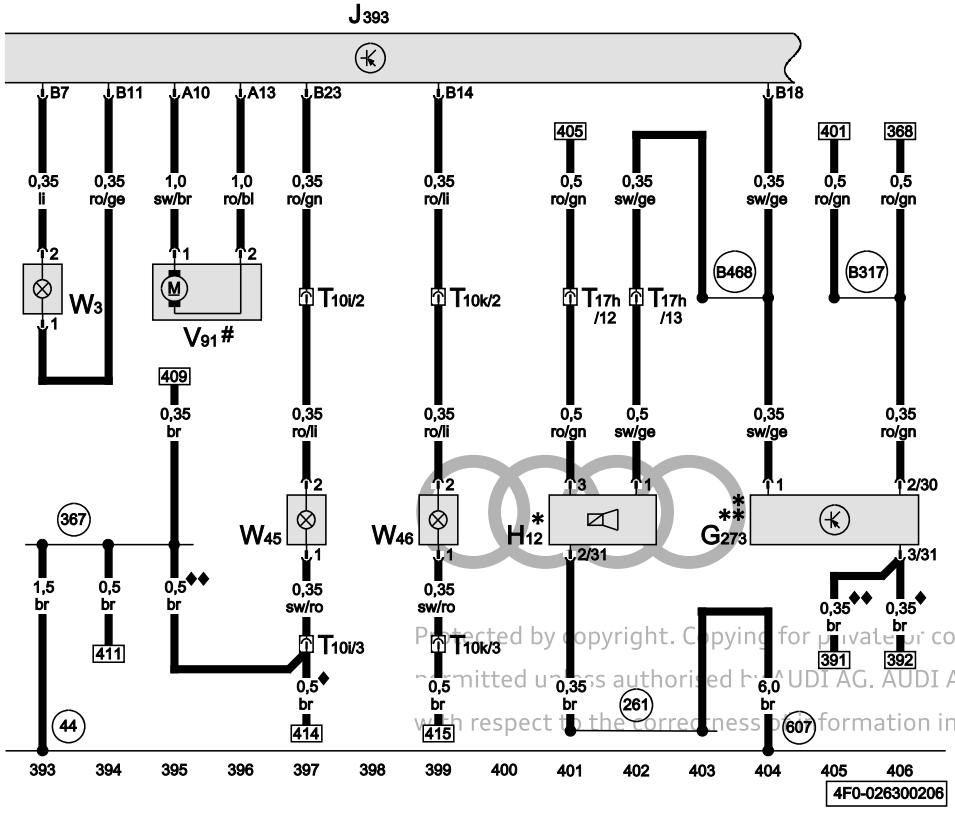
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Convenience system central control unit, rear lid contact switch for anti-theft alarm, release button for rear lid lock cylinder

F123	Rear lid contact switch for anti-theft alarm system
F124	Contact switch in lock cylinder for rear lid, anti-theft alarm system, central locking system
F248	Release button for rear lid lock cylinder
J234	Airbag control unit
J393	Convenience system central control unit
T4d	4-pin connector, black, rear lid
T46b	46-pin connector, CAN disconnector right
T75	75-pin connector, grey, on airbag control unit
V53	Rear lid central locking motor
V155	Tank filler flap locking motor
44	Earth point, lower part of left A-pillar
51	Earth point, on right in luggage compartment
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
375	Earth connection 10, in main wiring harness
376	Earth connection 11, 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
•	CAN bus (data wire)
◆	up to October 2005
◆◆	from November 2005

Convenience system central control unit, luggage compartment light, rear left and right footwell light, alarm horn, rear roller blind motor, interior monitoring sensor

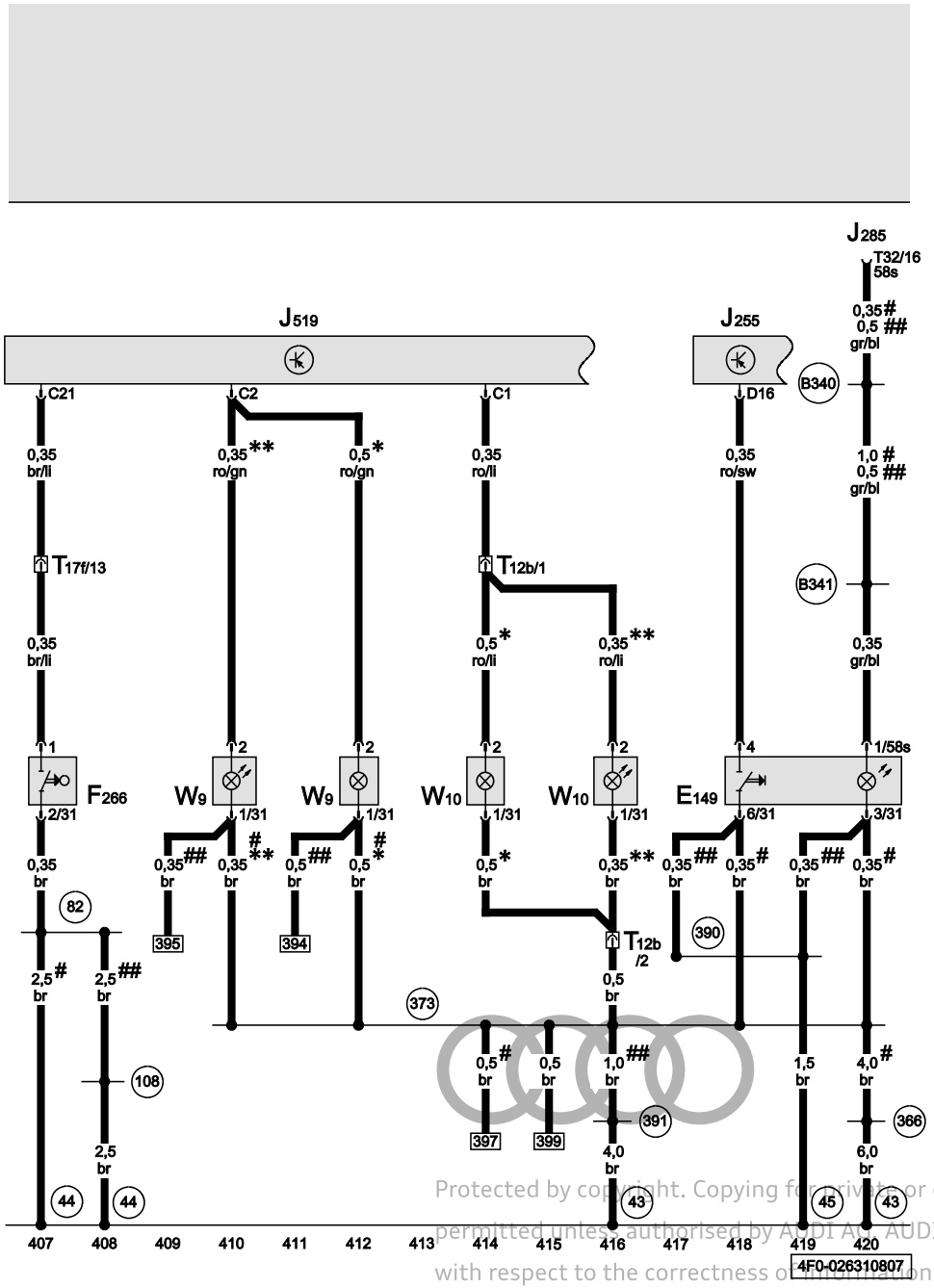


G273	Interior monitoring sensor
H12	Alarm horn
J393	Convenience system central control unit
T10i	10-pin connector, red, on left seat cross member
T10k	10-pin connector, red, on right of seat cross member
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
V91	Rear roller blind motor
W3	Luggage compartment light
W45	Rear left footwell light
W46	Rear right footwell light
44	Earth point, lower part of left A-pillar
261	Earth connection, in heated washer jet wiring harness
367	Earth connection 2, in main wiring harness
607	Earth point, on left in plenum chamber
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4, in main wiring harness
*	models with anti-theft alarm
**	models with anti-theft alarm and interior monitor
#	models with rear roller blind
♦	up to October 2005
♦♦	from November 2005

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Onboard supply control unit, bonnet contact switch, left and right footwell light, rear roller blind switch



E149	Rear roller blind switch
F266	Bonnet contact switch
J255	Climatronic control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
T12b	12-pin connector, black, on right behind dash panel
T17f	17-pin connector, green, coupling station on left A-pillar
T32	32-pin connector, grey, on dash panel insert
W9	Left footwell light
W10	Right footwell light
43	Earth point, lower part of right A-pillar
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
391	Earth connection 26, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness

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*	models without auxiliary lights
**	models with auxiliary lights
#	up to October 2005
##	from November 2005

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Radiator fan control 400 W or 600 W

⇒ **Audi A6 2.0 l Fuel injection engine (125 kW - 4 cylinder), engine code BPJ**
⇒ **Audi A6 2.0 l Turbo-diesel engine (103 kW, 100 kW - 4 cylinder) engine code BLB, BNA, BRE, BRF, BVG**
⇒ **Audi A6 2.4 l Fuel injection engine (130 kW - 6 cylinder), engine code BDW**
⇒ **Audi A6 3.0 l - Fuel injection engine (160 kW - Motronic - 6 cylinder), engine code BBJ**
⇒ **Audi A6 3.2 l Fuel injection engine (188 kW - 6 cylinder) engine code AUK, BKH**
⇒ **Audi A6 4.2 l - Fuel injection engine (246 kW - Motronic - 8 cylinder), engine code BAT, BNK**
⇒ **Audi A6 2.7 l - TDI, Common Rail, (132 kW, 120 kW - 6-cylinder) engine code BPP, BSG**
⇒ **Audi A6 3.0 l - TDI, Common Rail, (165 kW, 155 kW - 6-cylinder) engine code BMK, BNG**
⇒ **Audi S6 5.2 l Fuel injection engine (309 kW - 10 cylinder), engine code BGS**

from model year 2005

Notes:

For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

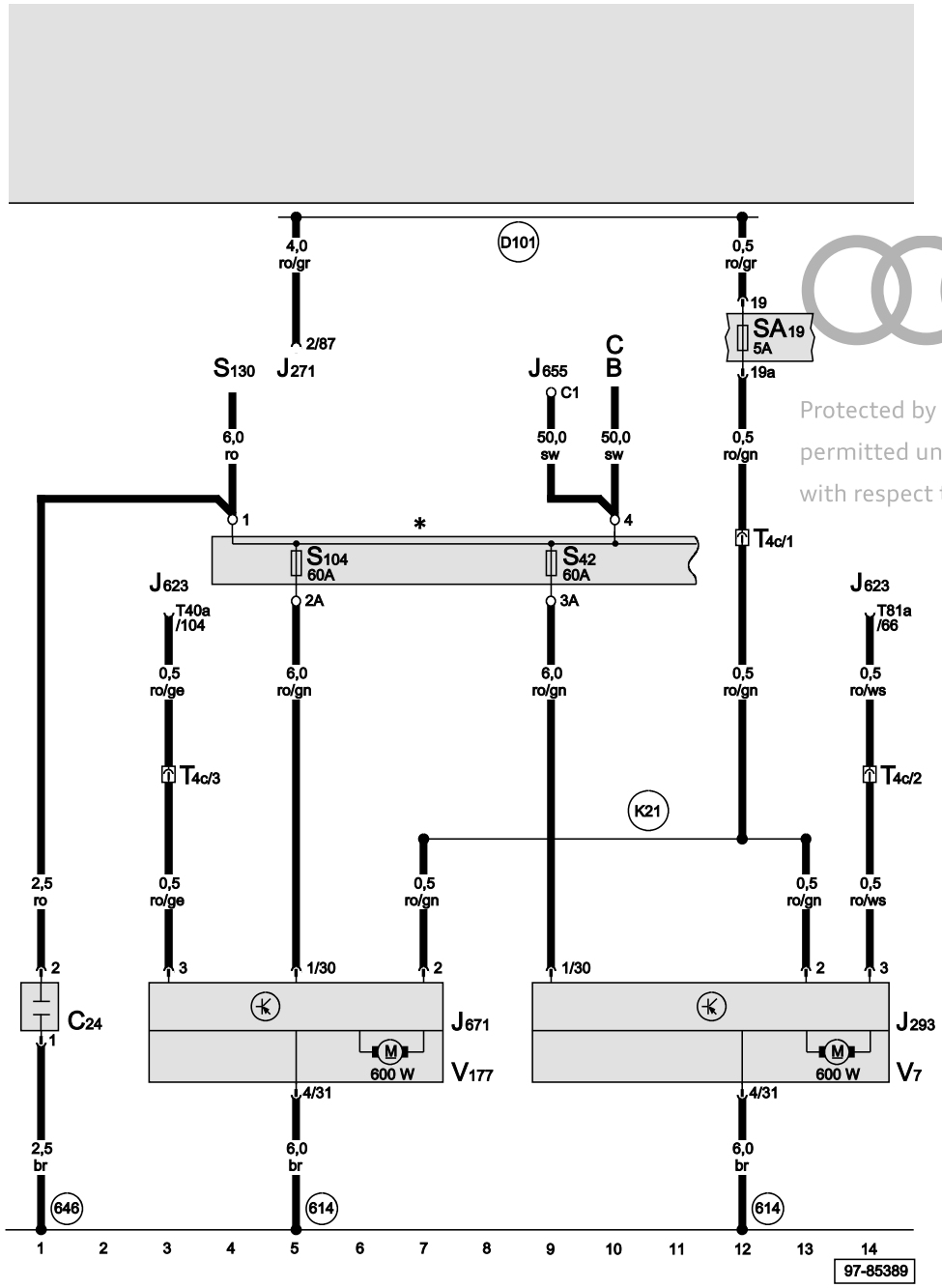
⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

⇒ guided fault finding

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Radiator fan control 4.2 l engine BAT, BNK

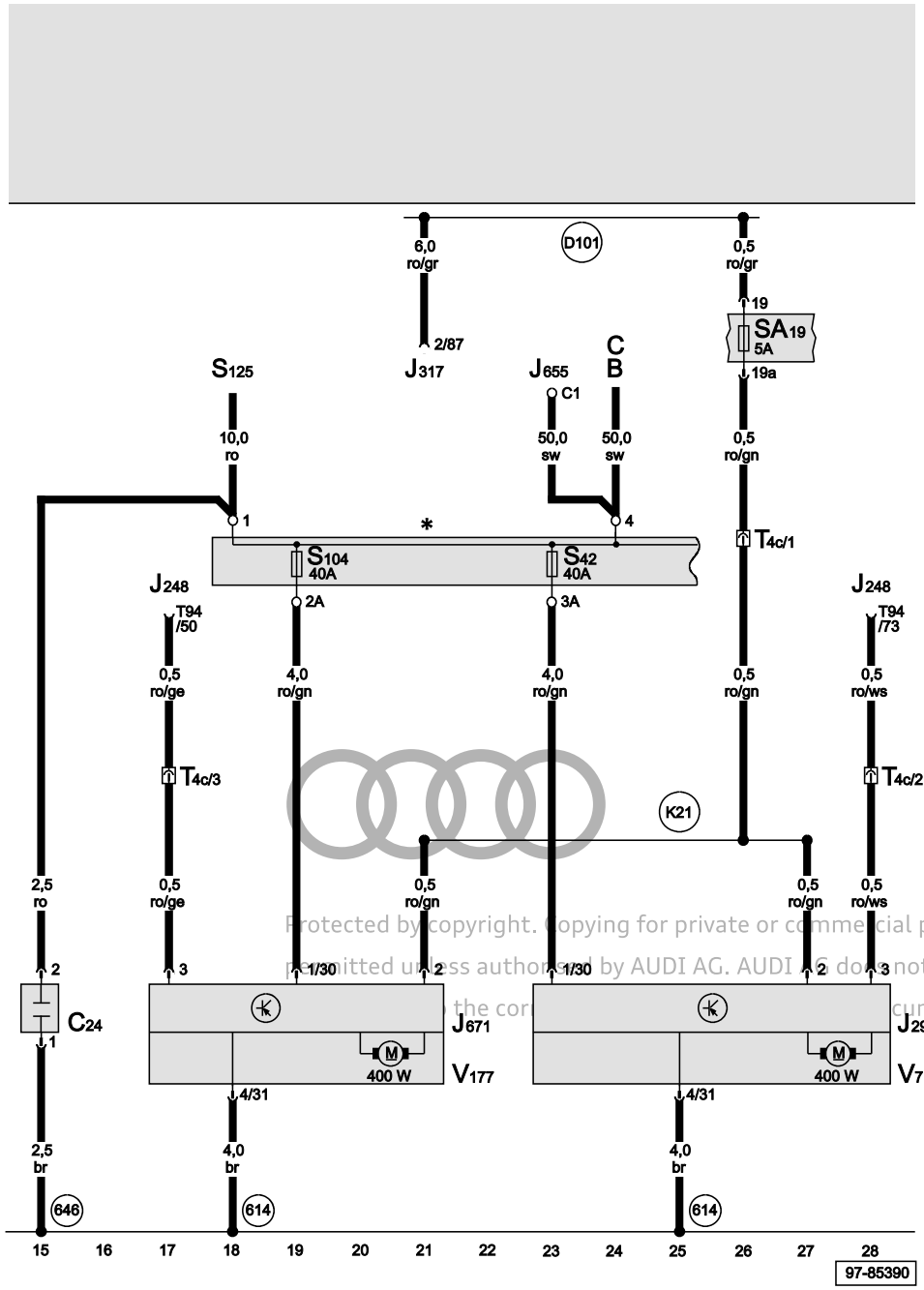


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B	Starter
C	Alternator
C24	Suppression filter
J271	Motronic current supply relay
J293	Radiator fan control unit
J623	Engine control unit
J655	Battery cut-off relay
J671	Radiator fan control unit -2-
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
S130	Secondary air pump fuse
SA19	Fuse 9 on fuse holder engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
646	Earth point 2, on bulkhead
D101	Connection 1, in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Main fuse carrier electronics box right in plenum chamber

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Radiator fan control 2.7 l diesel engine BPP, BSG and 3,0 l dieselengine BMK, BNG

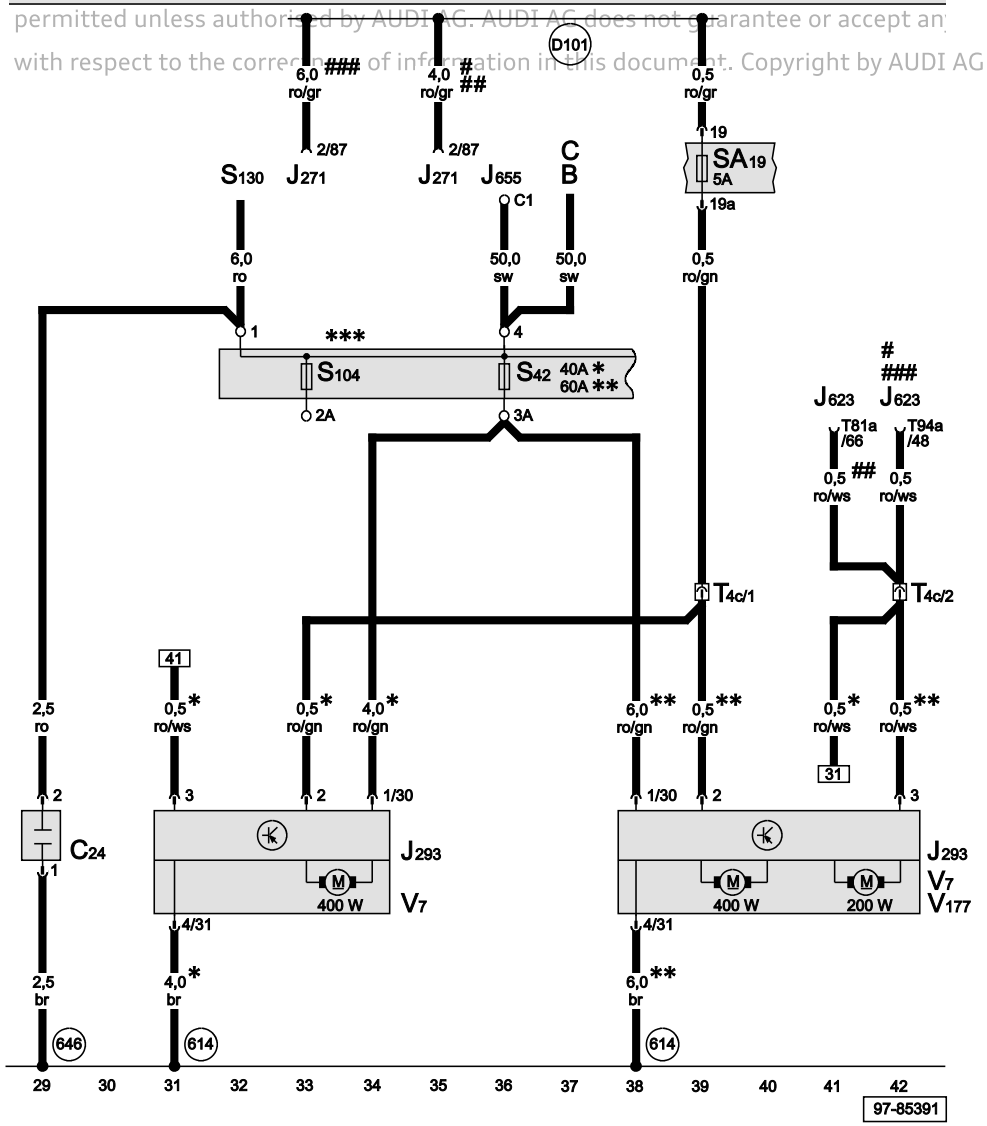


B	Starter
C	Alternator
C24	Suppression filter
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J317	Terminal 30 voltage supply relay
J655	Battery cut-off relay
J671	Radiator fan control unit -2-
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
S125	Glow plug fuse
SA19	Fuse 9 on fuse holder engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
646	Earth point 2, on bulkhead
D101	Connection 1, in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Main fuse carrier electronics box right in plenum chamber

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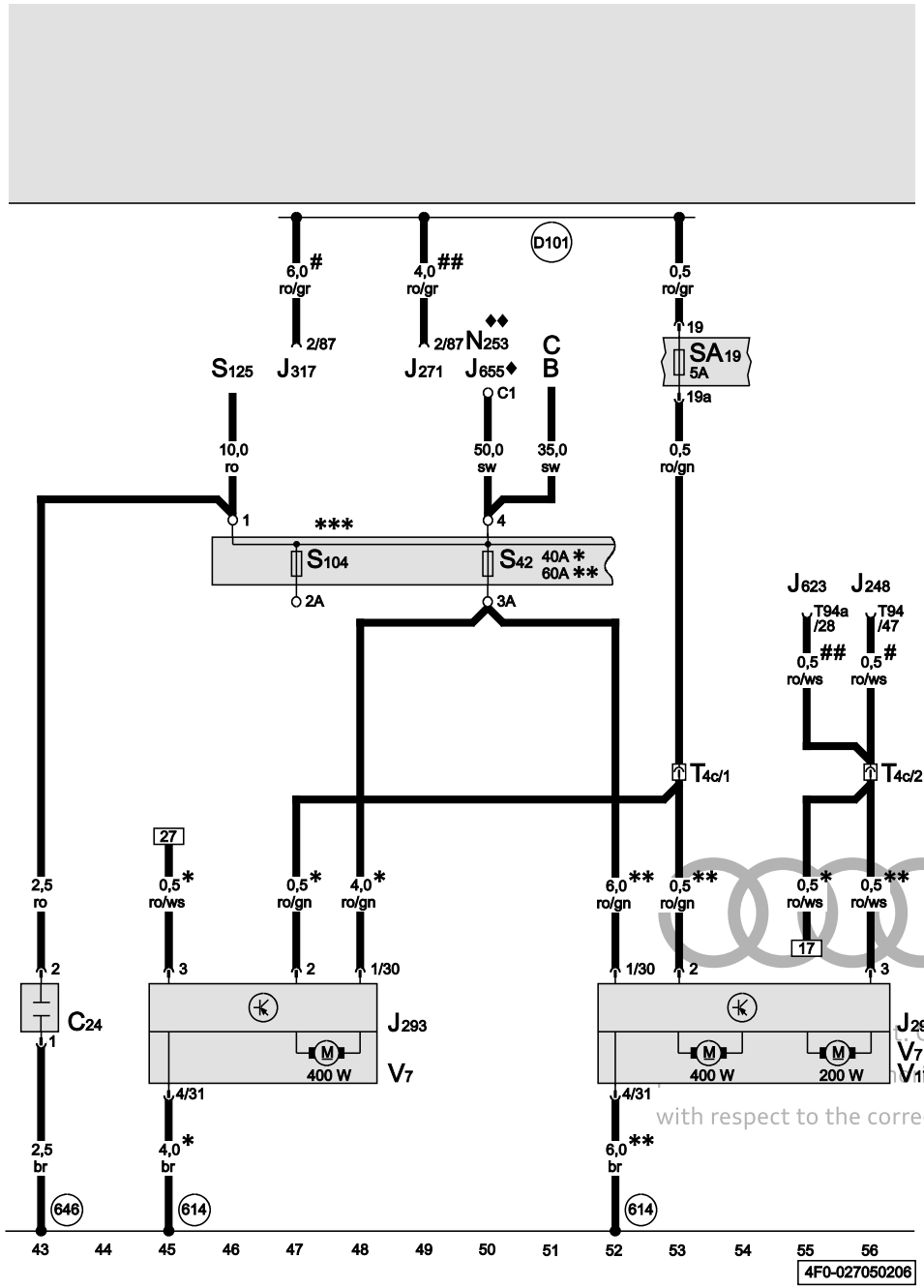
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Radiator fan control 2.4 l engine BDW, 3.0 l engine BBJ, 3.2 l engine AUK, BKH

B	Starter
C	Alternator
C24	Suppression filter
J271	Motronic current supply relay
J293	Radiator fan control unit
J623	Engine control unit
J655	Battery cut-off relay
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
S130	Secondary air pump fuse
SA19	Fuse 9 on fuse holder engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T81a	81-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
646	Earth point 2, on bulkhead
D101	Connection 1, in engine compartment wiring harness
*	without trailer towing attachment with trailer towing attachment
**	with trailer towing attachment or automatic gearbox
***	Main fuse carrier electronics box right in plenum chamber
#	2.4 l Motor, engine code BDW
##	3.0 l Motor, engine code BBJ
###	3.2 l engine, engine codes AUK, BKH



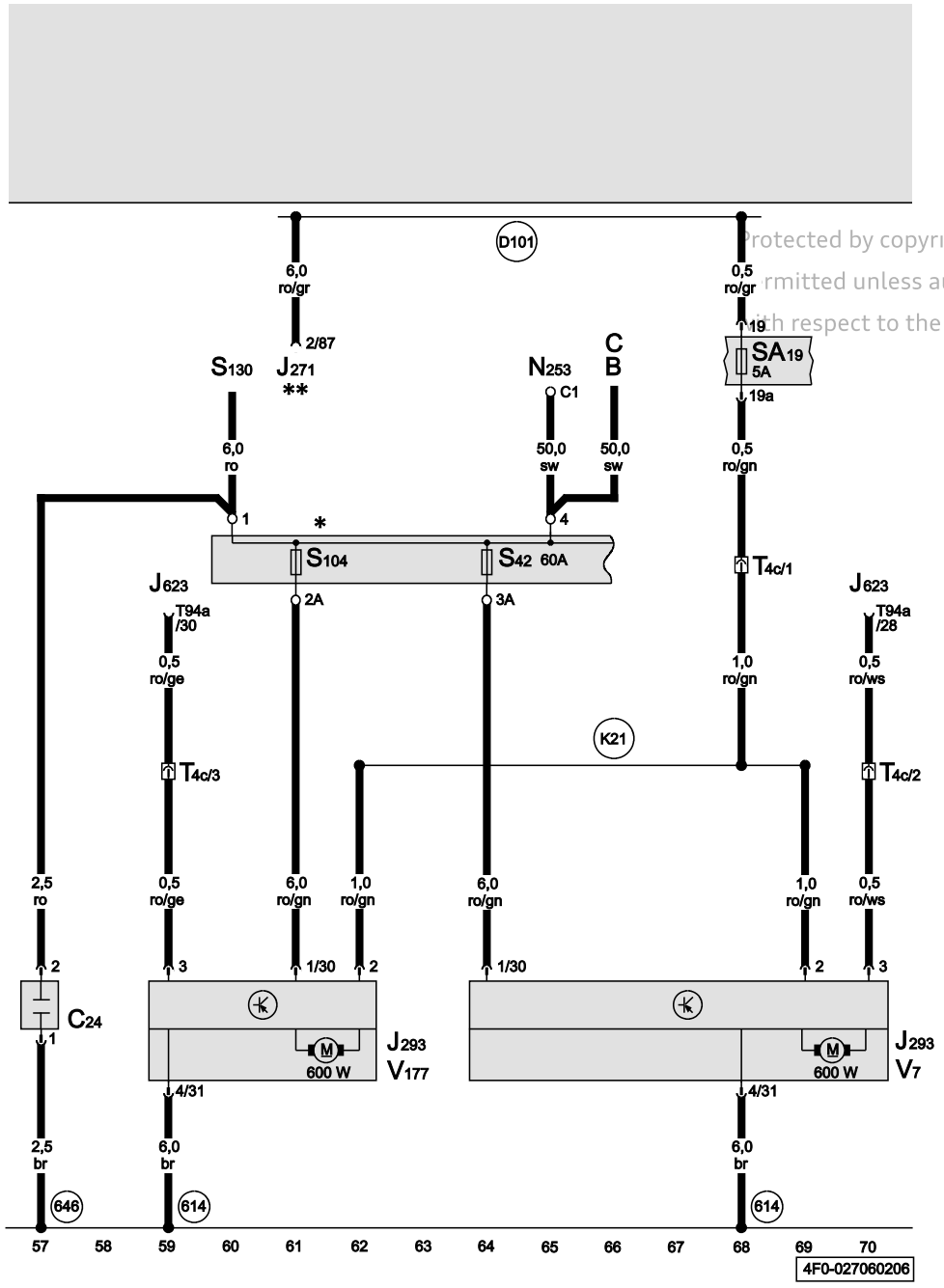
Radiator fan control 2.0 l dieselengine BLB, BNA, BRE, BRF, BVG and 2.0 l engine BPJ

B	Starter
C	Alternator
C24	Suppression filter
J248	Diesel direct injection system control unit
J271	Motronic current supply relay
J293	Radiator fan control unit
J317	Terminal 30 voltage supply relay
J623	Engine control unit
J655	Battery cut-off relay
N253	Battery isolation igniter
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
S125	Glow plug fuse
SA19	Fuse 9 on fuse holder engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
646	Earth point 2, on bulkhead
D101	Connection 1, in engine compartment wiring harness
*	standard cooling
**	heavy-duty cooling
***	Main fuse carrier electronics box right in plenum chamber
#	2.0 l Diesel engine, engine codes BLB, BNA, BRE, BRF, BVG
##	2.0 l engine, engine code BPJ
♦	up to about week 26.04
♦♦	from about week 27.04

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Radiator fan control 5.2 l engine BGS



B	Starter
C	Alternator
C24	Suppression filter
J271	Motronic current supply relay
J293	Radiator fan control unit
J317	Terminal 30 voltage supply relay
J623	Engine control unit
N253	Battery isolation igniter
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
S130	Secondary air pump fuse
SA19	Fuse 9 on fuse holder engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
646	Earth point 2, on bulkhead
D101	Connection 1, in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	Relay carrier electronics box left in plenum chamber

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Electrical rear roller blind

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

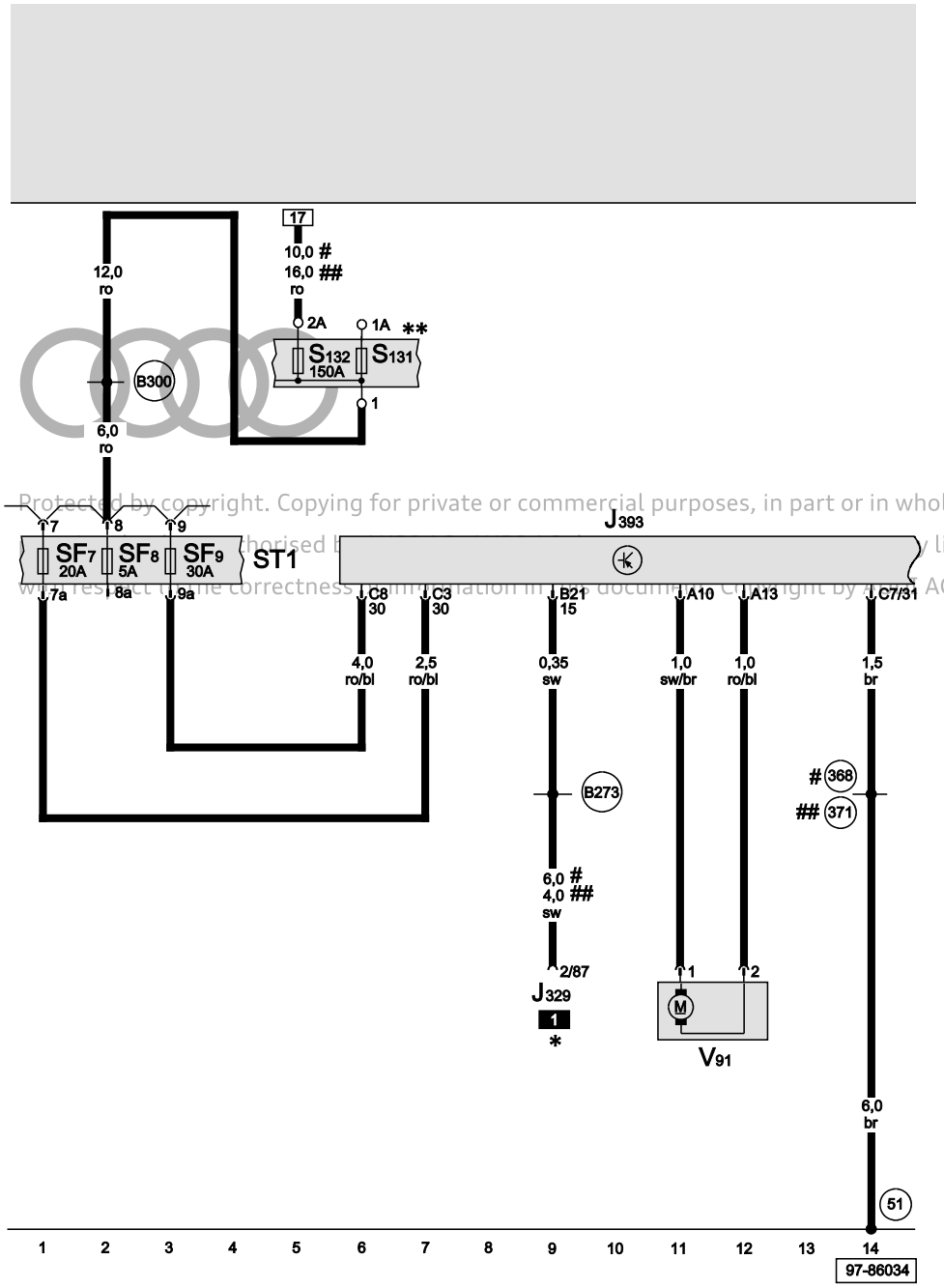
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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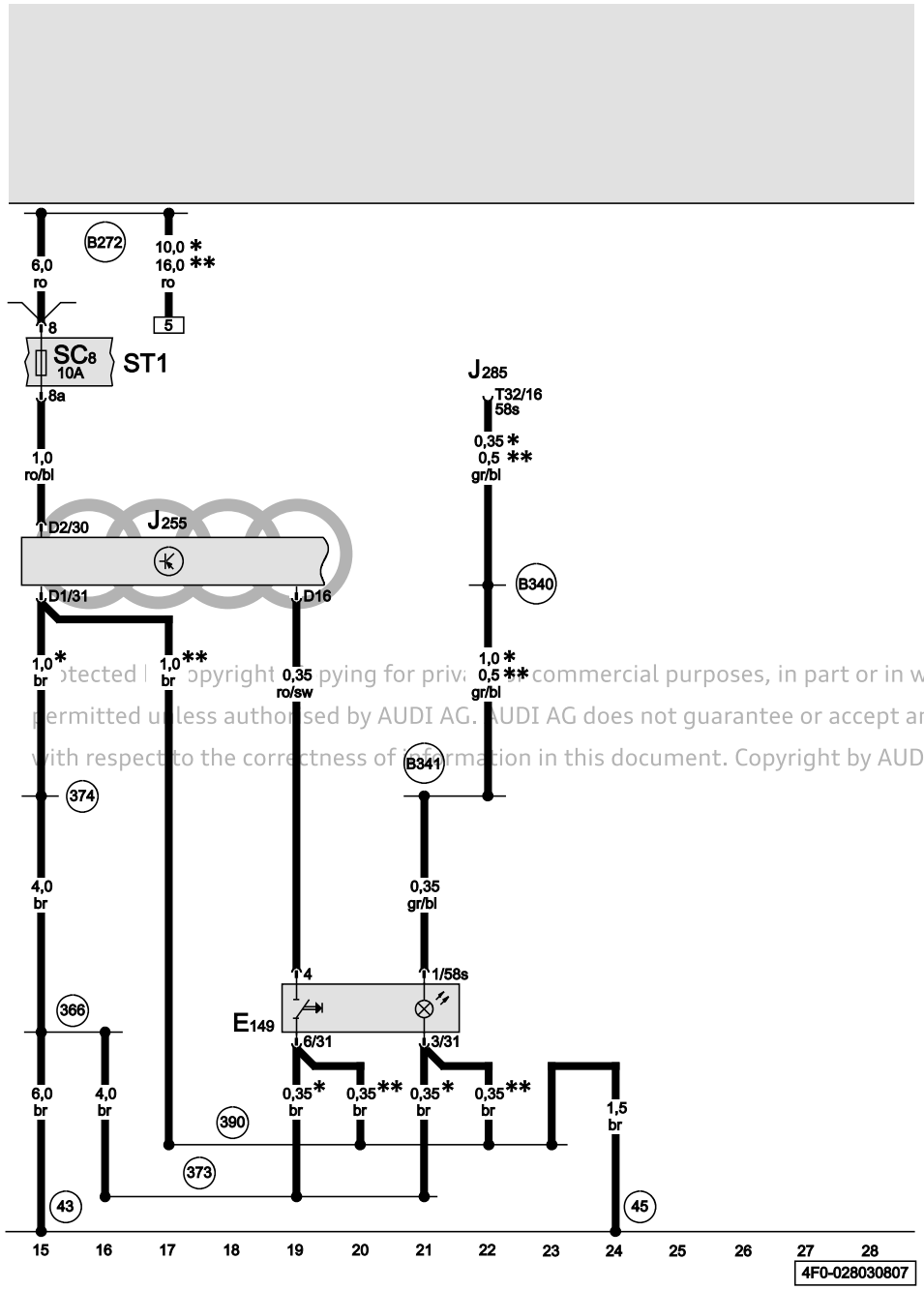


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Convenience system central control unit, rear roller blind motor

J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
S131	Fuse 1
S132	Fuse 2
SF7	Fuse 7 on fuse holder
SF8	Fuse 8 on fuse holder
SF9	Fuse 9 on fuse holder
V91	Rear roller blind motor
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
B273	Positive connection (15), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
*	9-point relay carrier, behind driver storage compartment
**	Fuse and relay carrier right in luggage compartment
#	up to October 2005
##	from November 2005



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Rear roller blind switch

E149	Rear roller blind switch
J255	Climatronic control unit
J285	Control unit in dash panel insert
SC8	Fuse 8 on fuse holder
T32	32-pin connector, grey, on dash panel insert
43	Earth point, lower part of right A-pillar
45	Earth point, centre behind dash panel
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
390	Earth connection 25, in main wiring harness
B272	Positive connection (30), in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	up to October 2005
**	from November 2005

Telephone

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

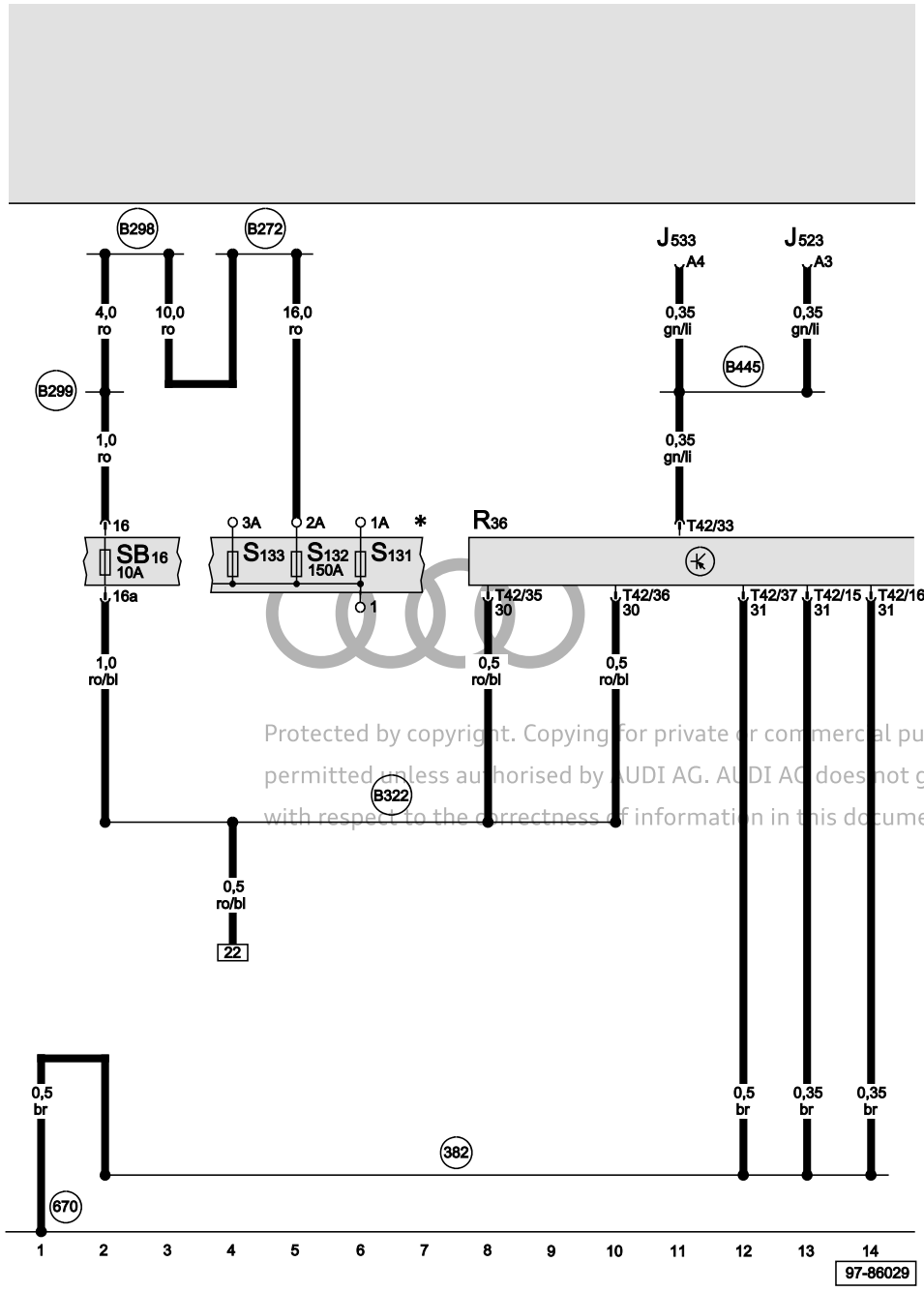
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Telephone transmitter and receiver unit

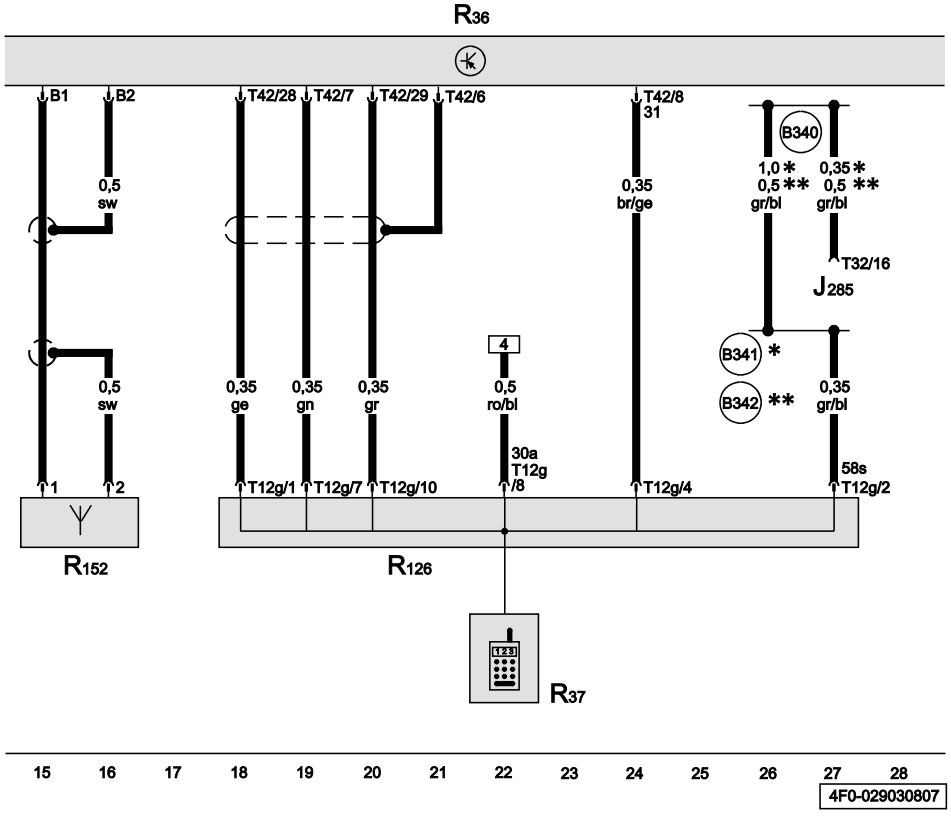
J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
R36	Telephone transmitter and receiver unit
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SB16	Fuse 16 on fuse holder
T42	42-pin connector, on telephone transmitter and receiver unit
382	Earth connection 17, in main wiring harness
670	Earth point 2, left A-pillar
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
B322	Positive connection 8 (30a), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	Fuse and relay carrier right in luggage compartment

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Telephone transmitter and receiver unit, aerial for Bluetooth

J285	Control unit in dash panel insert
R36	Telephone transmitter and receiver unit
R37	Telephone handset
R126	Telephone bracket
R152	Aerial for Bluetooth
T12g	12-pin connector, on telephone handset
T32	32-pin connector, grey, on dash panel insert
T42	42-pin connector, on telephone transmitter and receiver unit
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness
*	up to October 2005
**	from November 2005

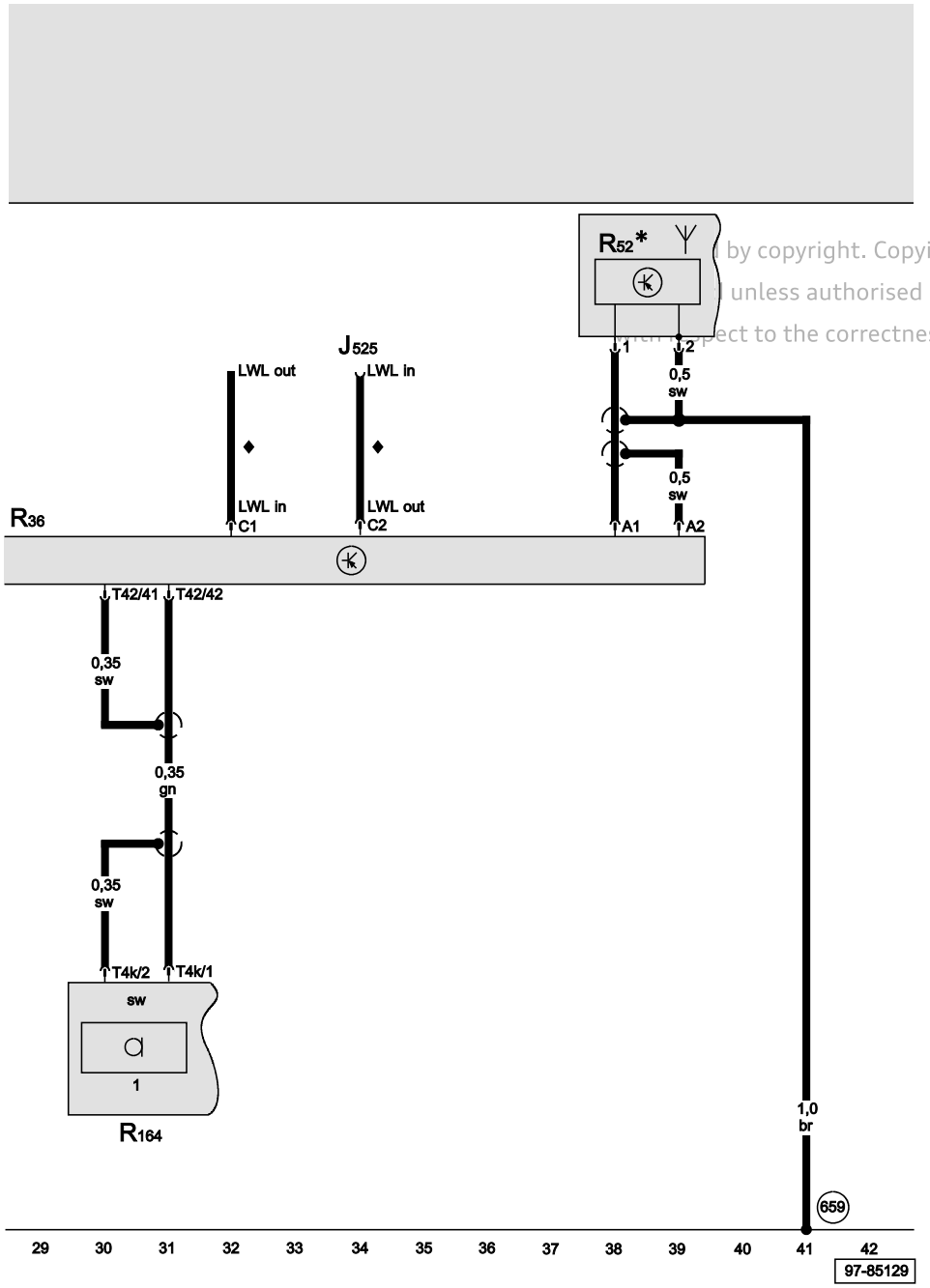


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Telephone transmitter and receiver unit, microphone unit in front roof module, radio, telephone and navigation system aerial

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R52	Radio, telephone and navigation system aerial
R164	Microphone unit in front roof module
T4k	4-pin connector, black, microphone connection roof module
T42	42-pin connector, on telephone transmitter and receiver unit
659	Earth point 1, on right near rear window
*	roof aerial
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Preparation for mobile telephone

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

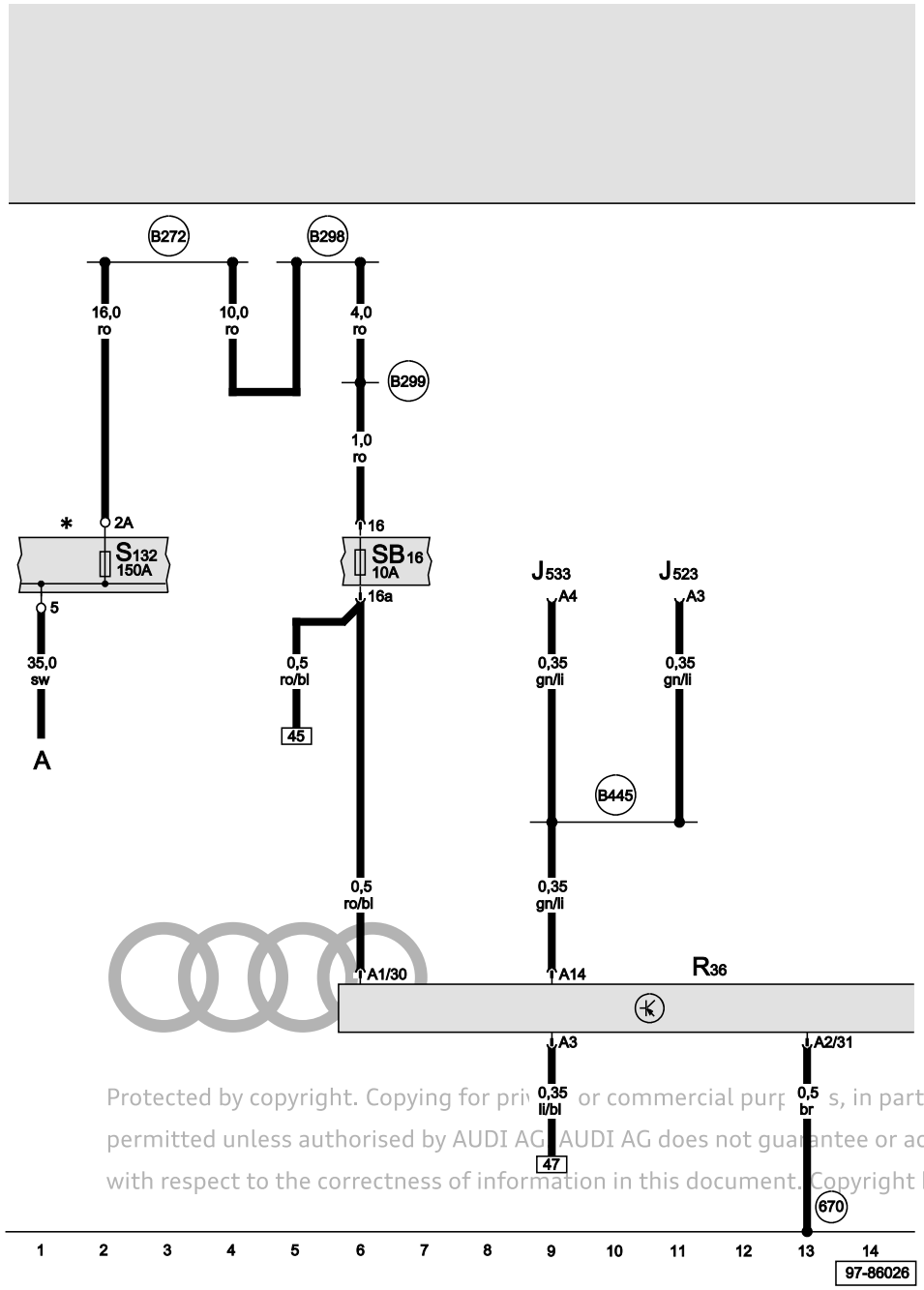
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Telephone transmitter and receiver unit, fuses

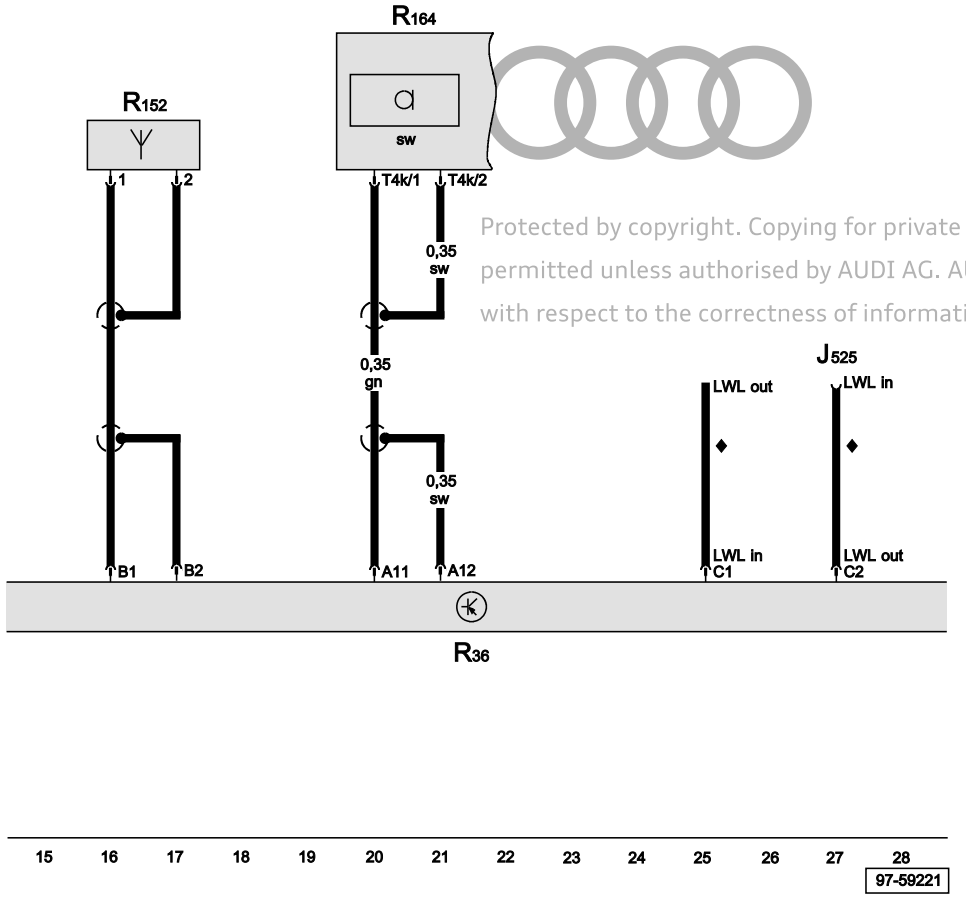
A	Battery
J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
R36	Telephone transmitter and receiver unit
S132	Fuse 2
SB16	Fuse 16 in fuse holder
670	Earth point 2, left A-pillar
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	Fuse and relay carrier right in luggage compartment

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Telephone transmitter and receiver unit, aerial for Bluetooth, microphone unit in front roof module

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T4k	4-pin connector, black, microphone connection roof module
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



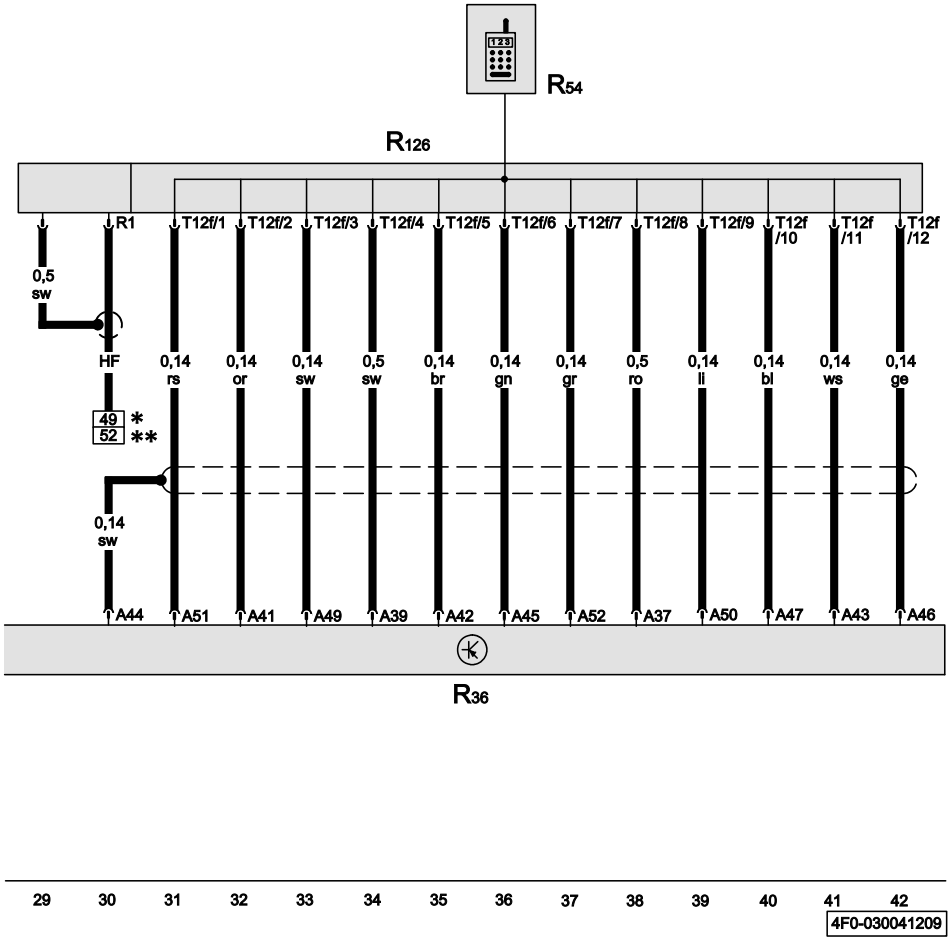
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Telephone transmitter and receiver unit, mobile telephone

R1	Aerial connection
R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
T12f	12-pin connector, on mobile telephone
*	not USA
**	only USA

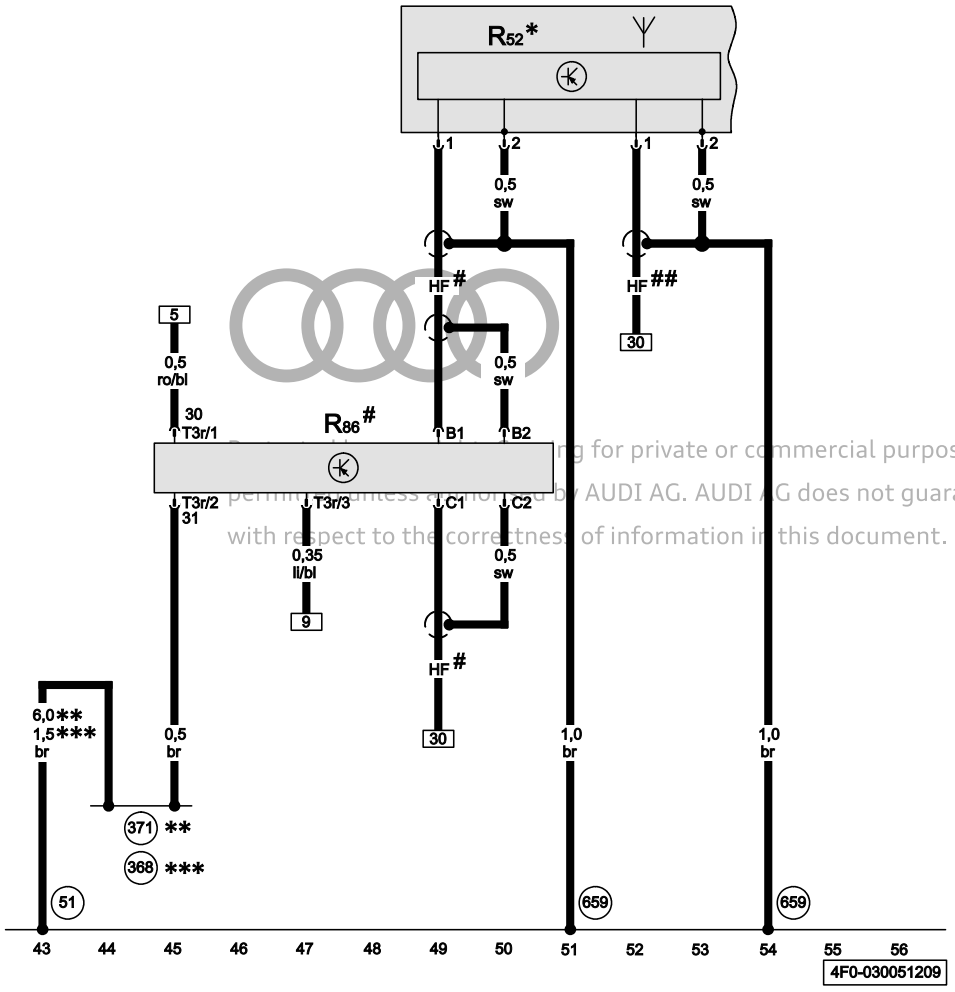
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or	=	orange
rs	=	pink

Aerial amplifier for mobile telephone, radio, telephone and navigation system aerial

R52	Radio, telephone and navigation system aerial
R86	Aerial amplifier for mobile telephone
T3r	3-pin connector, black, on aerial amplifier for mobile telephone
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
659	Earth point 1, on right near rear window
*	roof aerial
**	up to October 2005
***	from November 2005
#	not USA
##	only USA



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Ringbreak diagnosis

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

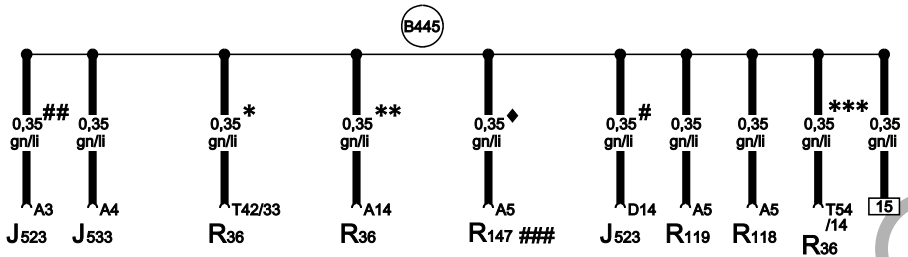
⇒ List of Fitting Locations!

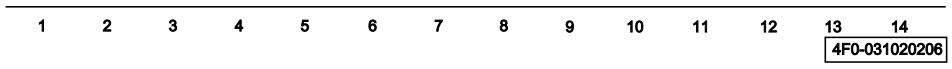
For information concerning

- Fault Finding Programs

⇒ guided fault finding

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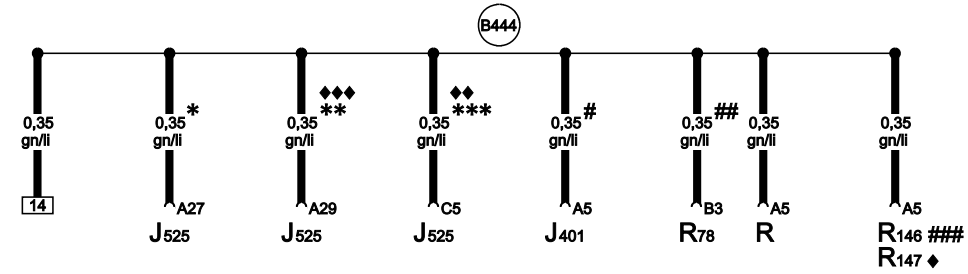


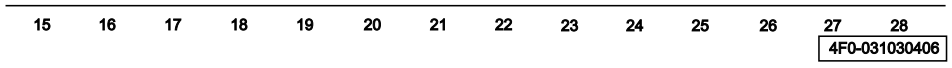
Ringbreak diagnosis

J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
R36	Telephone transmitter and receiver unit
R118	Media player in position 1
R119	Media player in position 2
R147	Digital radio
T42	42-pin connector, on telephone transmitter and receiver unit
T54	54-pin connector, black, on telephone transmitter and receiver unit
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	models with telephone
**	models with preparation for mobile telephone
***	models with Bluetooth car phone
#	models with MMI basic (in glove box)
##	models with MMI basic plus and MMI (in left luggage compartment)
###	models with digital radio
♦	not for DSP and BOSE soundsystem

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Ringbreak diagnosis

J401	Navigation system with CD drive control unit
J525	Digital sound package control unit
R	Radio
R78	TV tuner
R146	Satellite radio
R147	Digital radio
B444	Connection 1 (diagnosis), in main wiring harness
*	models with MMI basic plus, 6 channel DSP-sound system
**	models with MMI basic plus, BOSE soundsystem
***	models with MMI, BOSE soundsystem
#	models with navigation system
##	models with TV tuner
###	models with satellite radio
♦	models with digital radio
♦♦	up to February 2005
♦♦♦	MMI with BOSE 6000 soundsystem

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Infotainment data bus (Most-Ring)

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

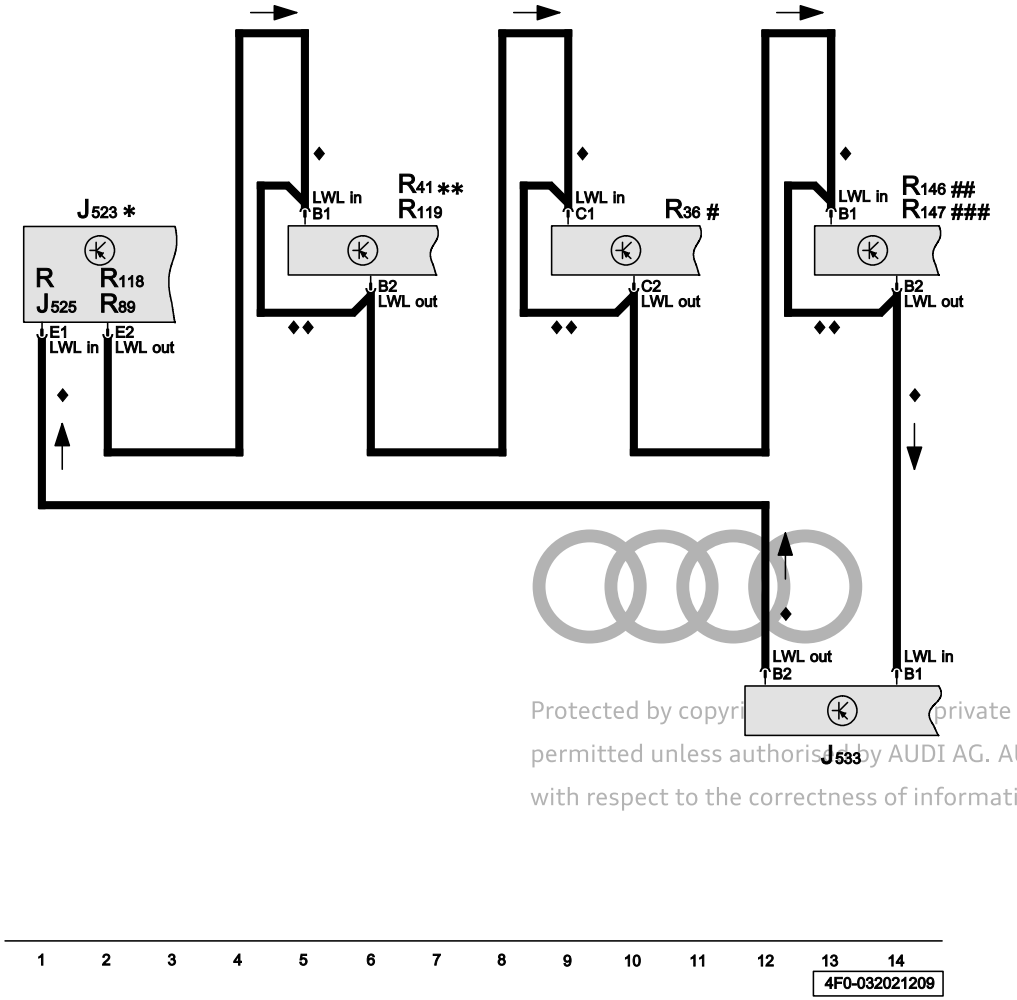
- Fault Finding Programs

⇒ guided fault finding

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MMI basic, not for USA

J523	Front information display and operating unit control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
R	Radio
R36	Telephone transmitter and receiver unit
R41	CD changer
R89	CD player
R118	Media player in position 1
R119	Media player in position 2
R146	Satellite radio
R147	Digital radio
*	in glove box
**	models with CD changer
#	models with preparation for mobile telephone
##	models with satellite radio
###	models with digital radio
◆	fibre optic conductor
◆◆	equipment that is not present is bridged

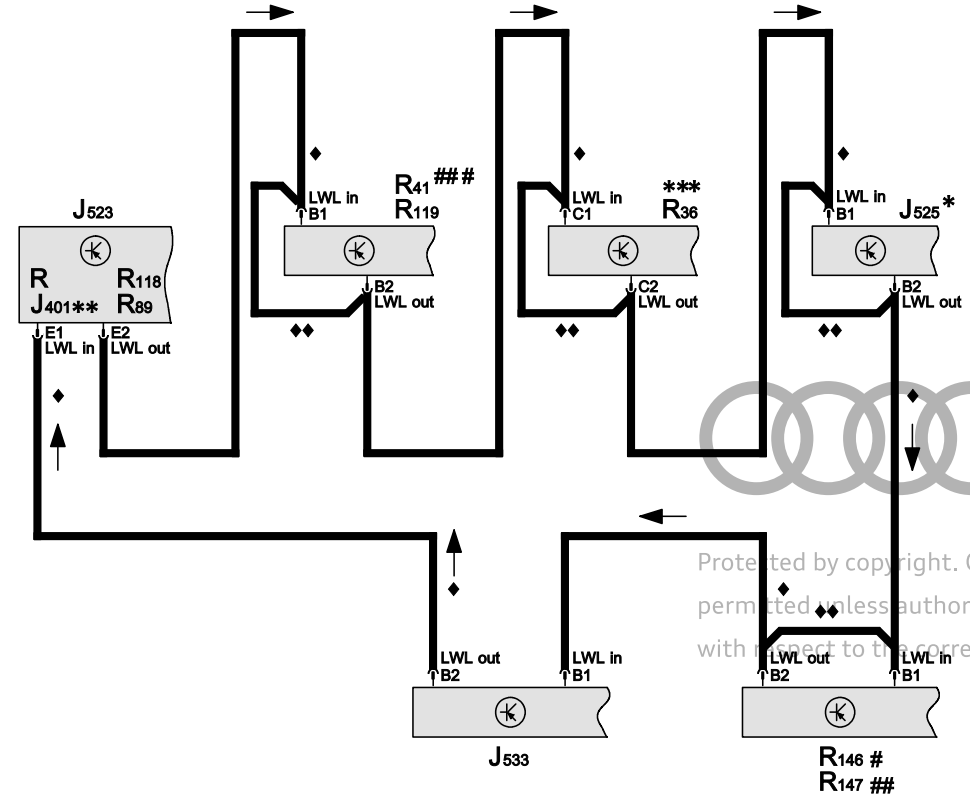


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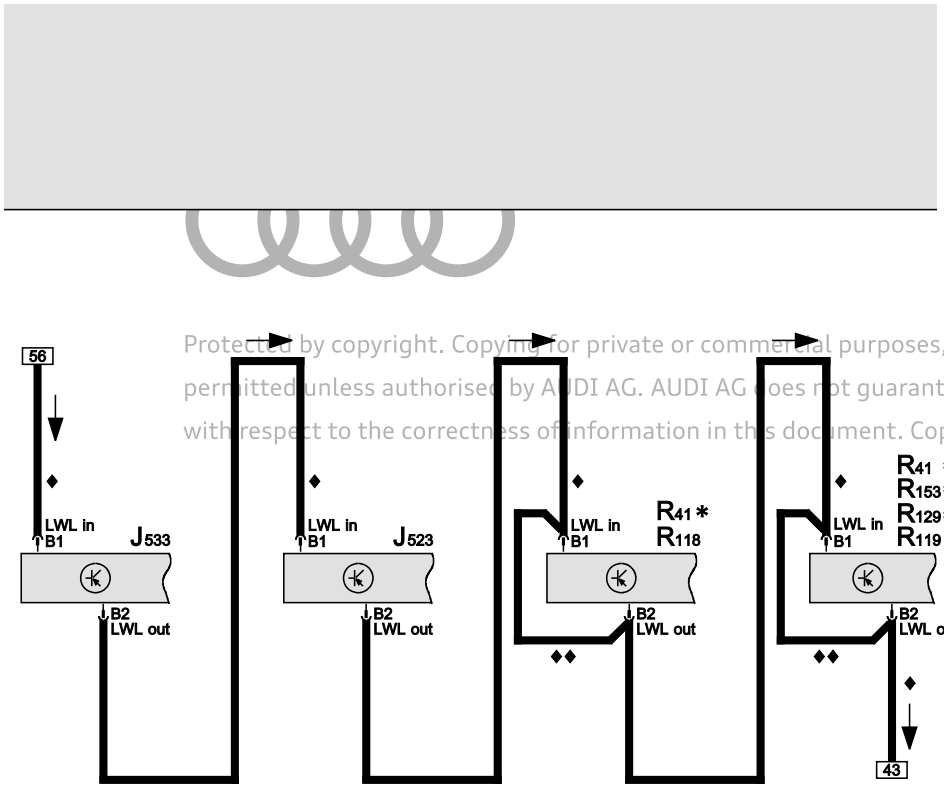
MMI basic plus, not for USA

J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
R	Radio
R36	Telephone transmitter and receiver unit
R41	CD changer
R89	CD player
R118	Media player in position 1
R119	Media player in position 2
R146	Satellite radio
R147	Digital radio
*	on left in luggage compartment
**	models with navigation system
***	models with preparation for mobile telephone
#	models with satellite radio
##	models with digital radio
###	models with CD changer
◆	fibre optic conductor
◆◆	equipment that is not present is bridged



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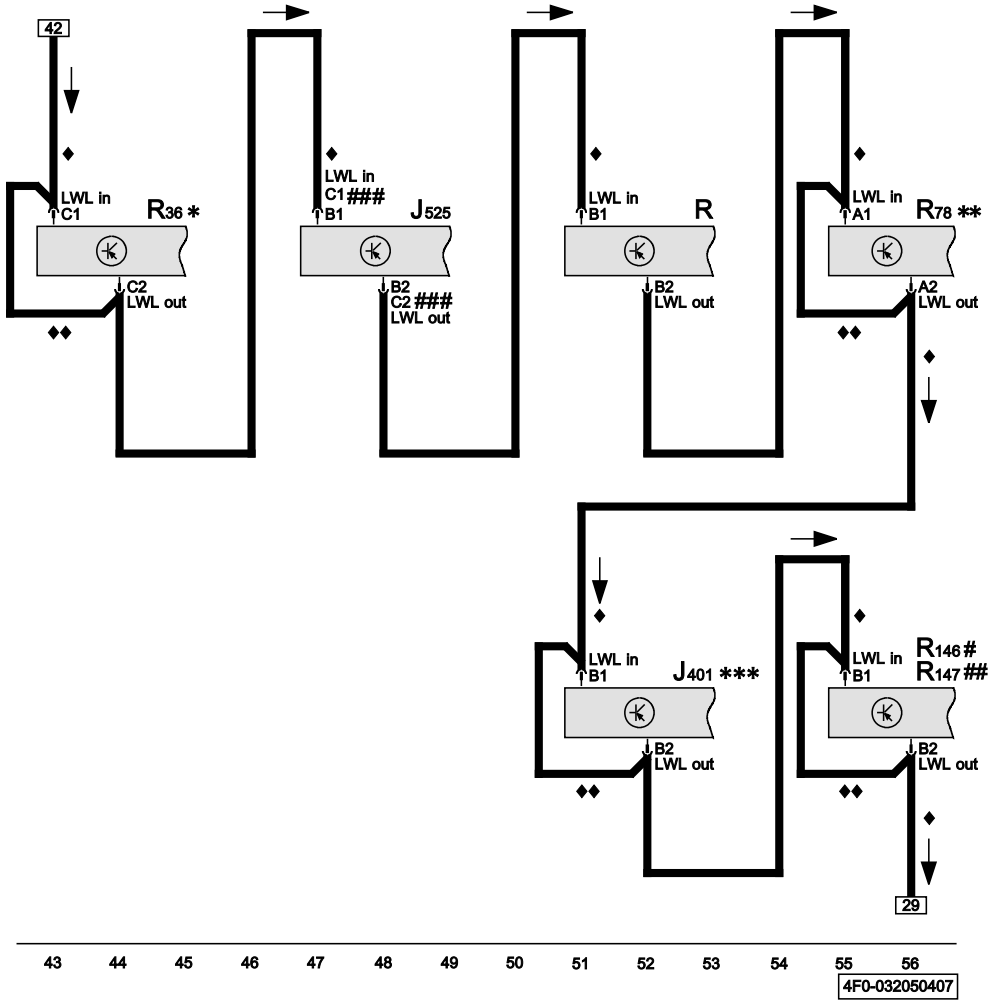
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MMI

J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
R41	CD changer
R118	Media player in position 1
R119	Media player in position 2
R129	Video recorder and DVD player
R153	MiniDisc player
*	models with CD changer
**	models with MiniDisc player
***	models with video recorder and DVD player
◆	fibre optic conductor
◆◆	equipment that is not present is bridged

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MMI

J401	Navigation system with CD drive control unit
J525	Digital sound package control unit
R	Radio
R36	Telephone transmitter and receiver unit
R78	TV tuner
R146	Satellite radio
R147	Digital radio
*	models with telephone or preparation for mobile telephone
**	models with TV tuner
***	models with navigation system
#	models with satellite radio
##	models with digital radio
###	models with BOSE 6000 soundsystem
♦	fibre optic conductor
♦♦	equipment that is not present is bridged

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Communication

⇒ **MMI**
⇒ **Multimedia system operating unit**
⇒ **Digital radio, radio (K-box)**
⇒ **Navigation system**
⇒ **Telephone, preparation for mobile telephone**
⇒ **TV tuner**
⇒ **Media player**
from model year 2005

Notes:
For information concerning
♦ Position of relays and fuses

♦ Multi-pin connections

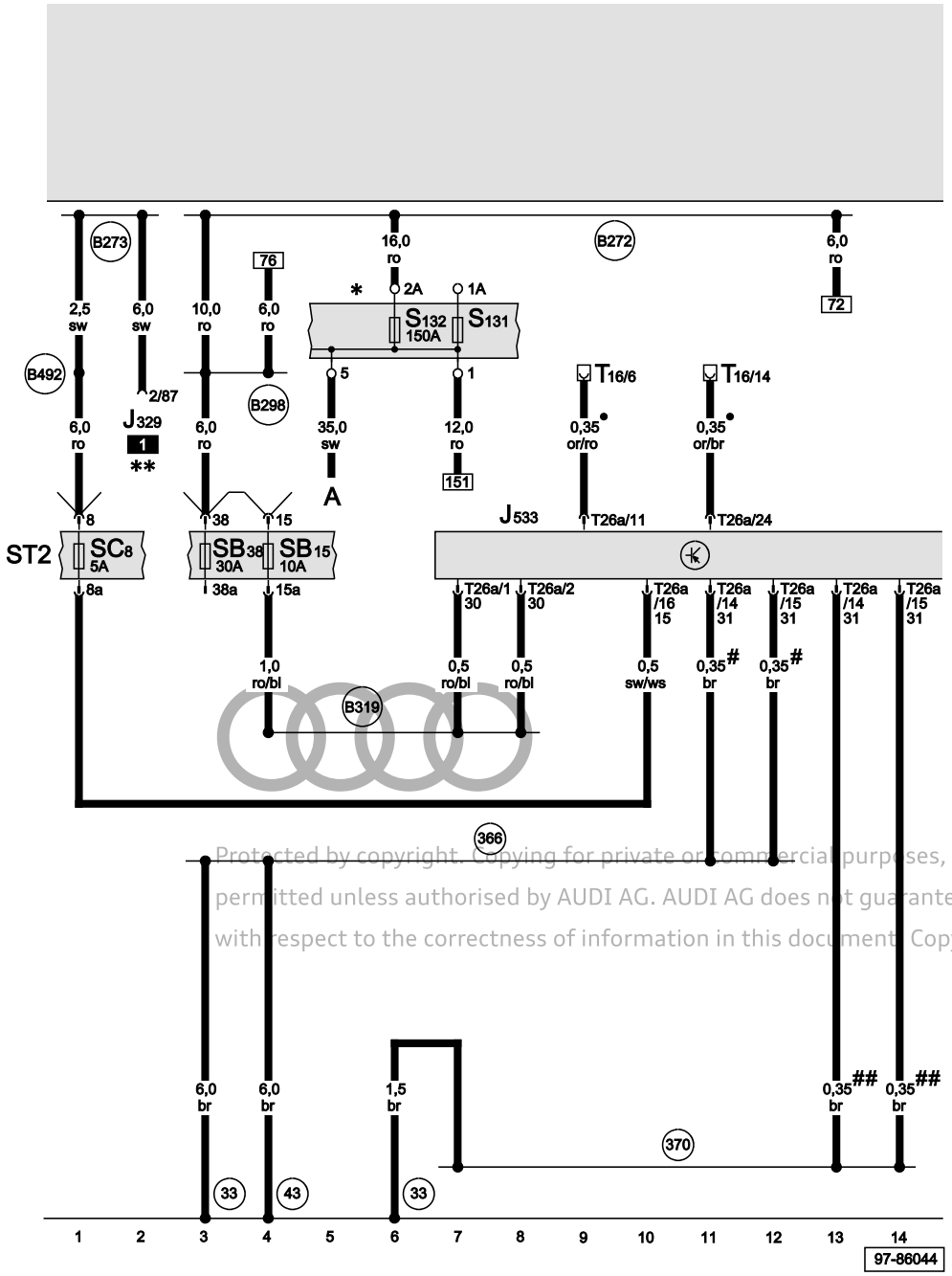
♦ Control units and relays

♦ Earth connections

⇒ List of Fitting Locations!
For information concerning
♦ Fault Finding Programs

⇒ guided fault finding

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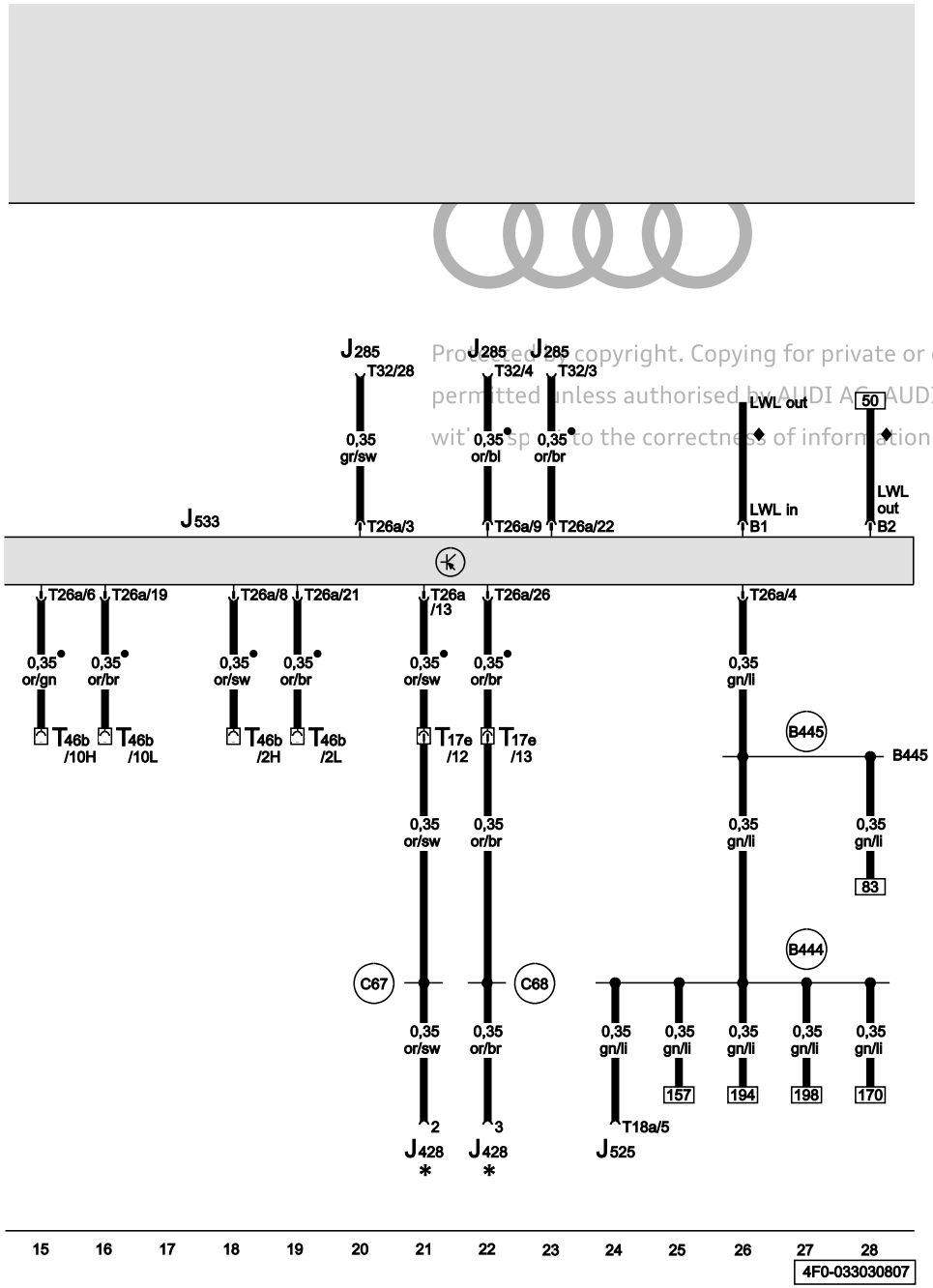


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li = purple
ge = yellow
or = orange
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Data bus diagnostic interface, fuses

A	Battery
J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
S131	Fuse 1
S132	Fuse 2
SB15	Fuse 15 on fuse holder
SB38	Fuse 38 on fuse holder
SC8	Fuse 8 on fuse holder
T16	16-pin connector, diagnostic connector
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
**	9-point relay carrier, behind driver storage compartment
#	up to model year 2005
##	from model year 2006



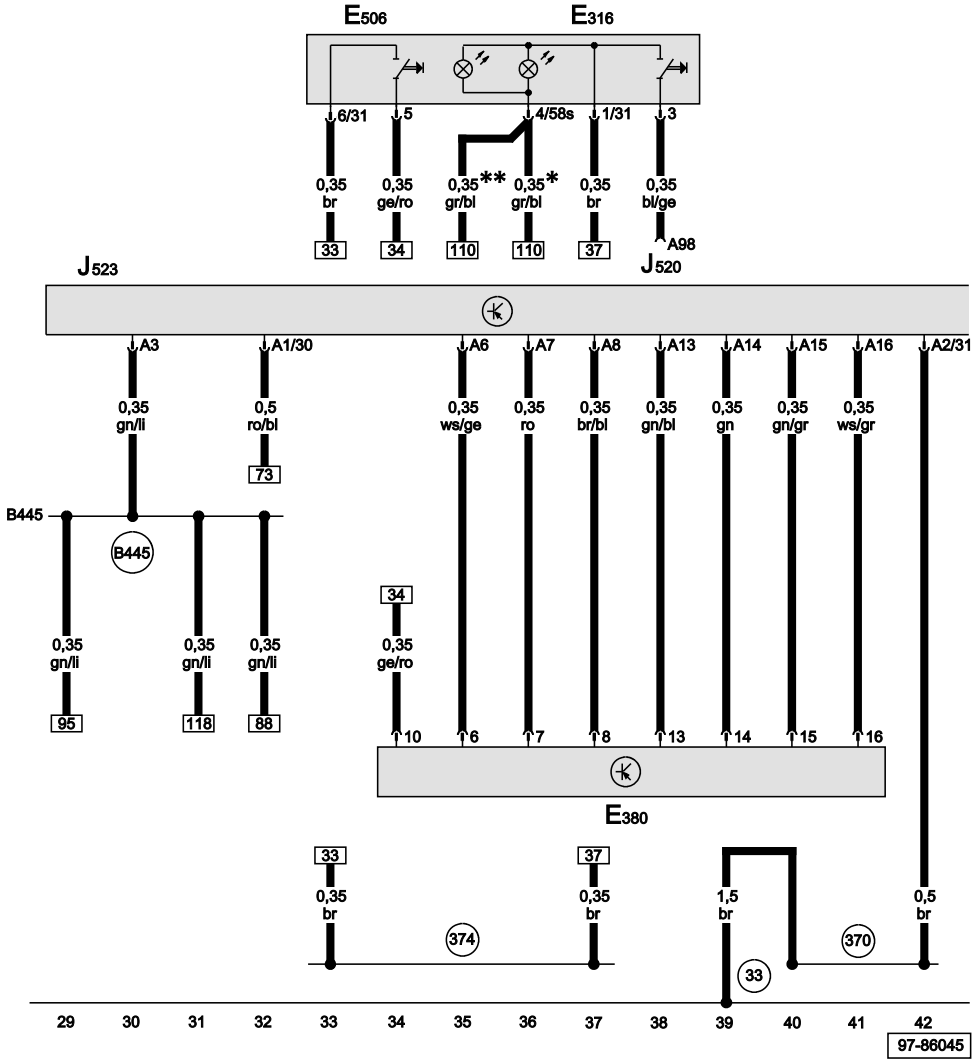
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Data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
T17e	17-pin connector, red, coupling station on left of A-pillar
T18a	18-pin connector, black, connector C, on digital sound package control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T46b	46-pin connector, CAN separating connector right
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
C67	Connection (CAN bus, high), in headlight wiring harness
C68	Connection (CAN bus, low), in headlight wiring harness
•	CAN bus (data wire)
*	models with distance control
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Front information display and operating unit control unit, multimedia system operating unit, glove compartment button, display unit button

E316 Glove compartment button
E380 Multimedia system operating unit
E506 Display unit button
J520 Onboard supply control unit 2
J523 Front information display and operating unit control unit

33 Earth point, on right behind dash panel

370 Earth connection 5, in main wiring harness

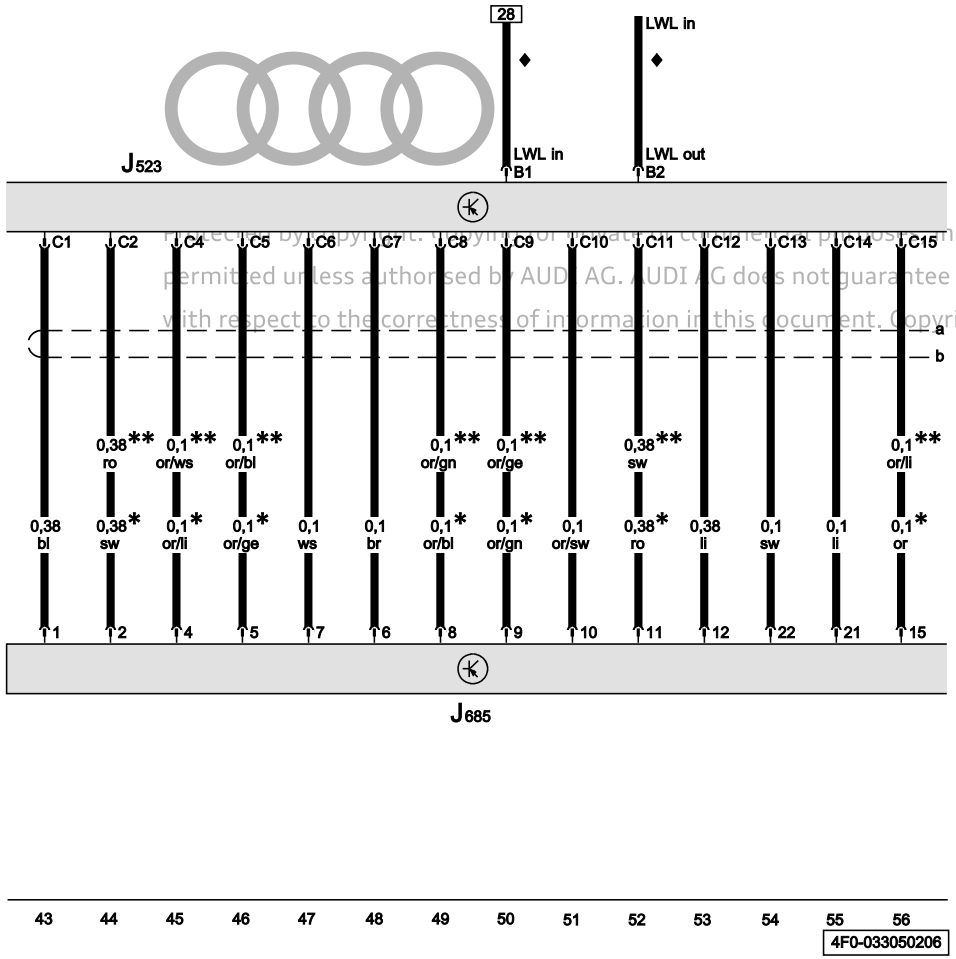
374 Earth connection 9, in main wiring harness

B445 Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)

* up to October 2005
** from November 2005

Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523 Front information display and operating unit control unit
J685 Display unit for front information display and operating unit control unit
* up to October 2005
** from November 2005
♦ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

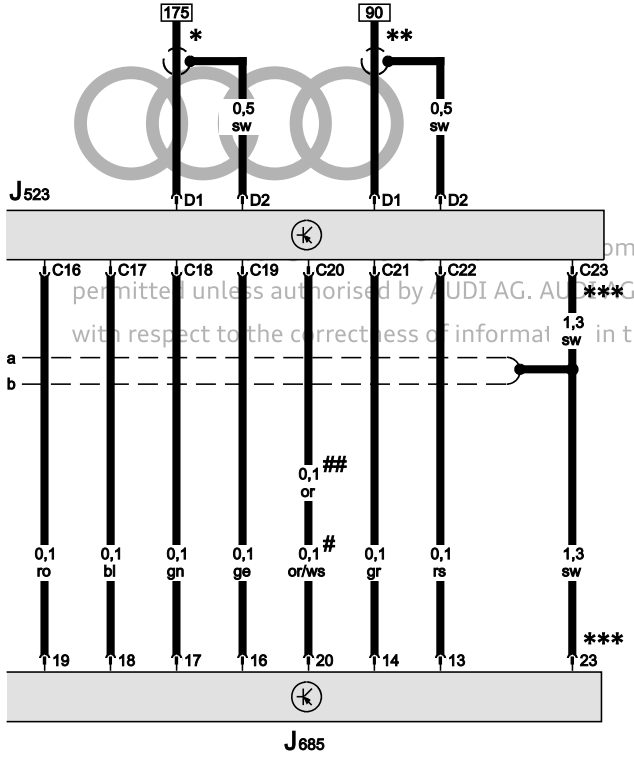


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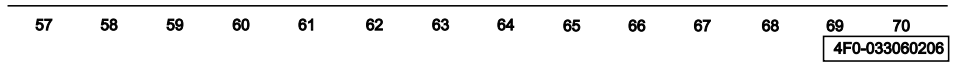
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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

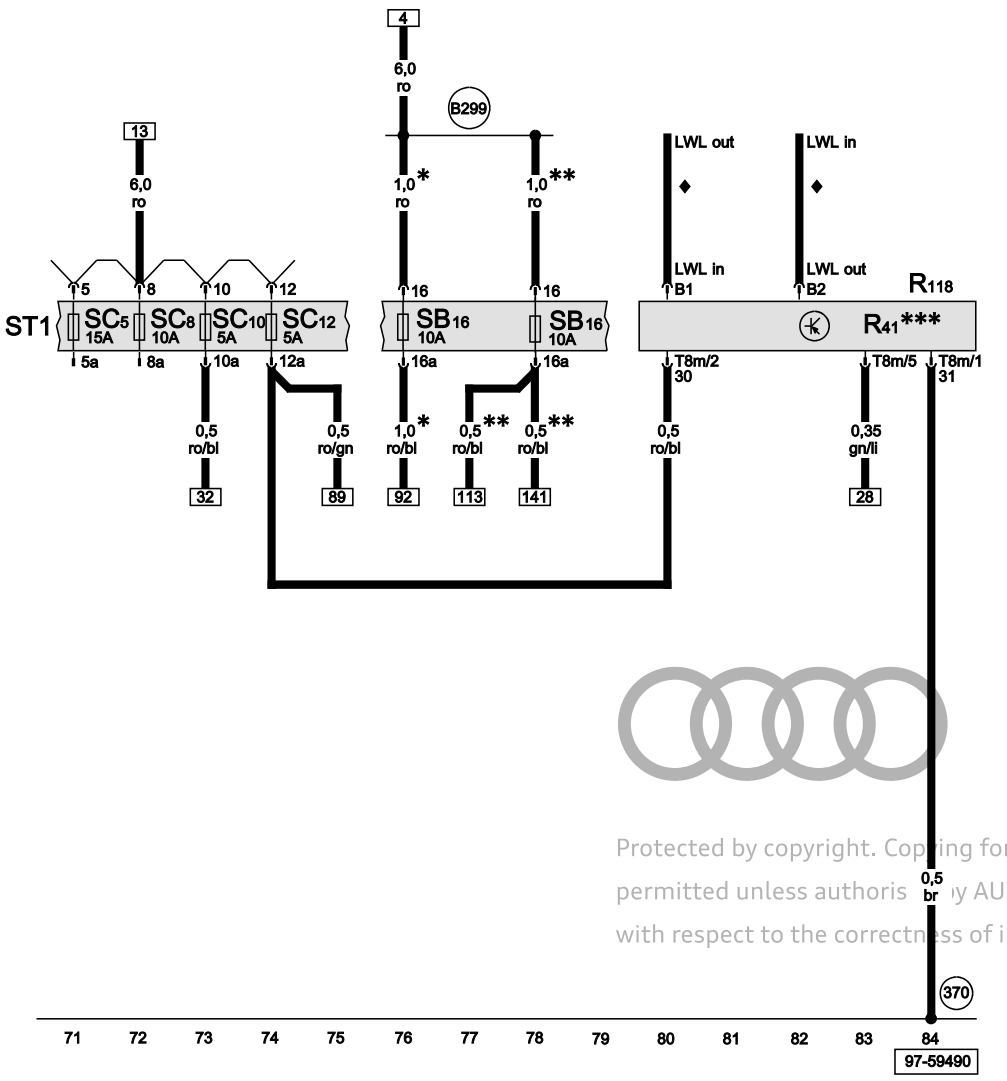
J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
*	models without DVD player
**	models with DVD player
***	screening on connector housing
#	up to October 2005
##	from November 2005



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Media player in position 1, fuses

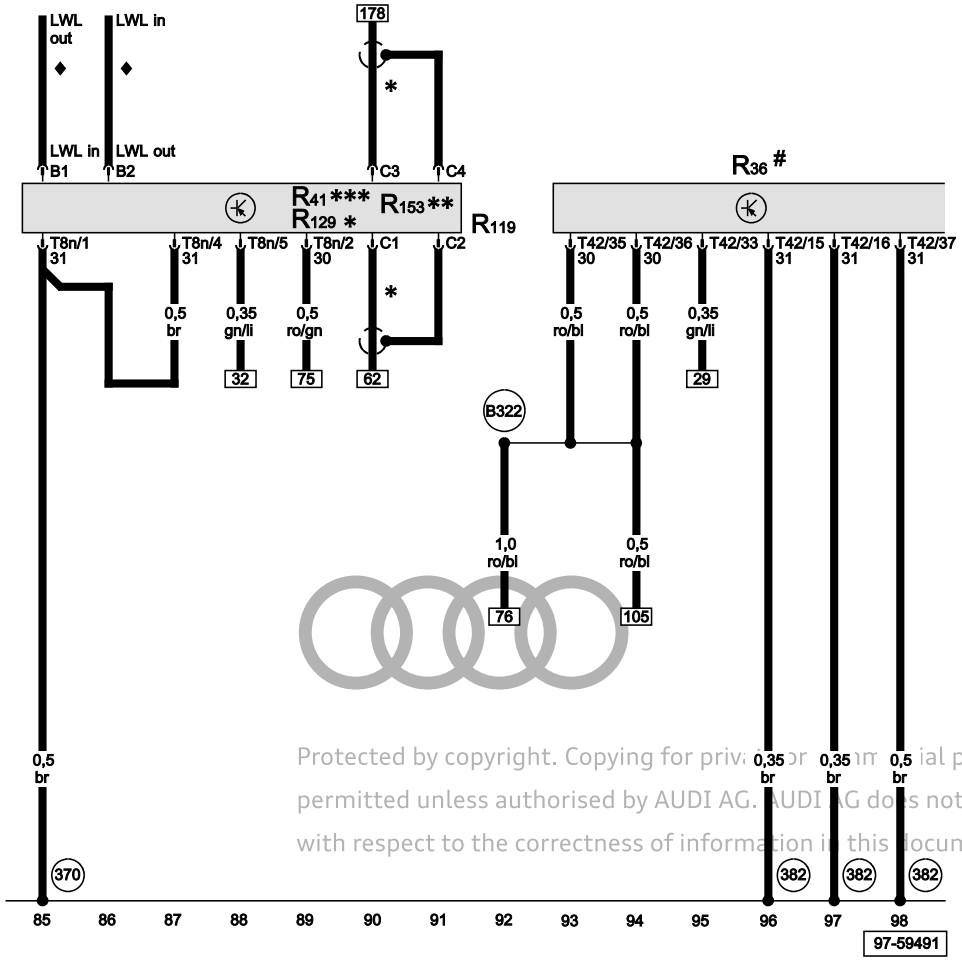
R41	CD changer
R118	Media player in position 1
SB16	Fuse 16 on fuse holder
SC5	Fuse 5 on fuse holder
SC8	Fuse 8 on fuse holder
SC10	Fuse 10 on fuse holder
SC12	Fuse 12 on fuse holder
T8m	8-pin connector, black, on media player in position 1
370	Earth connection 5, in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
•	CAN bus (data wire)
*	models with microphone
**	models with preparation for mobile telephone
***	models with CD changer
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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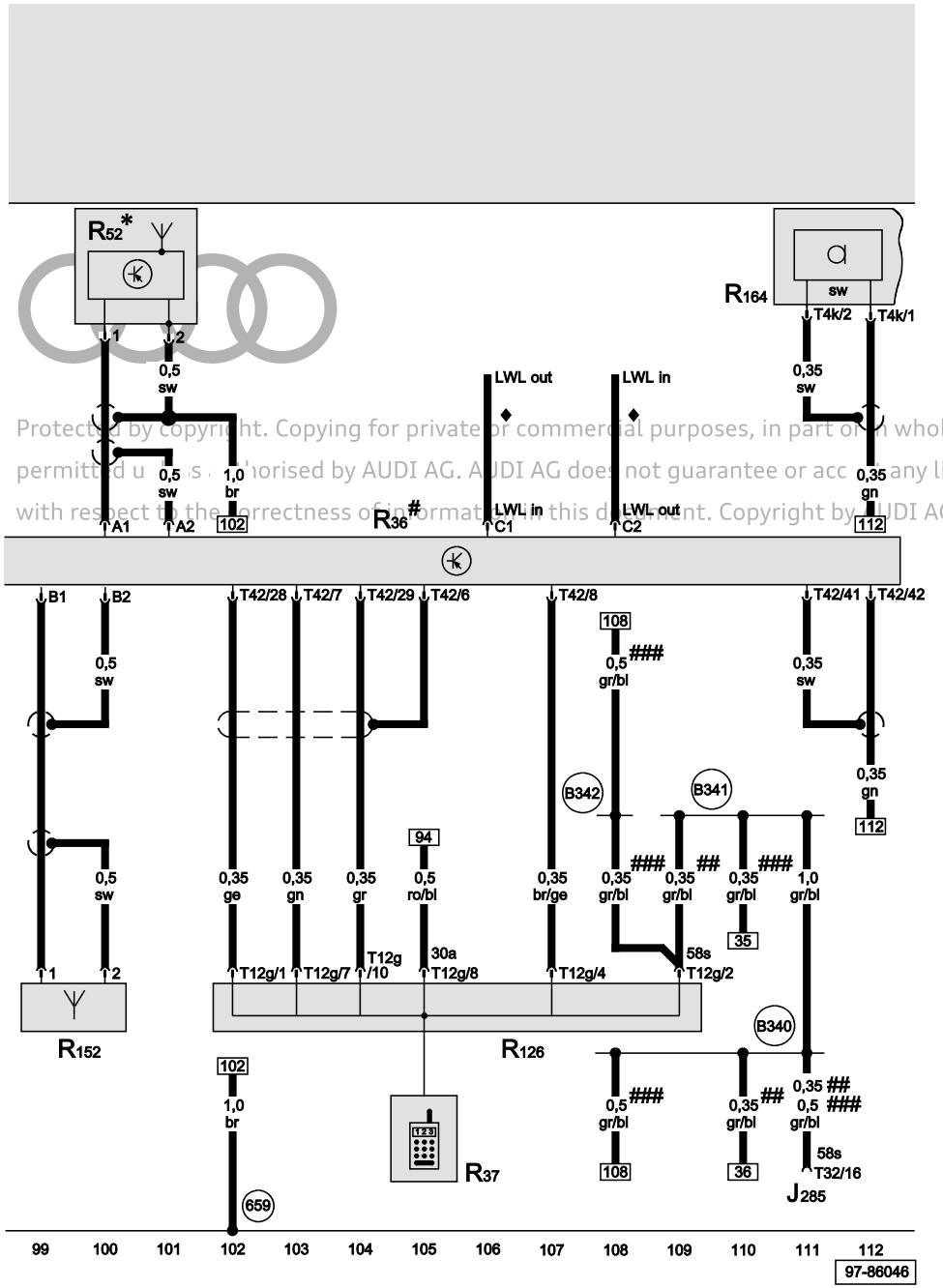
Telephone transmitter and receiver unit, DVD player

R36	Telephone transmitter and receiver unit
R41	CD changer
R119	Media player in position 2
R129	Video recorder, DVD player
R153	MiniDisc player
T8n	8-pin connector, black, on media player in position 2
T42	42-pin connector, on telephone transmitter and receiver unit
370	Earth connection 5, in main wiring harness
382	Earth connection 17, in main wiring harness
B322	Positive connection 8 (30a), in main wiring harness
*	models with DVD player
**	models with MiniDisc player
***	models with CD changer
#	models with microphone
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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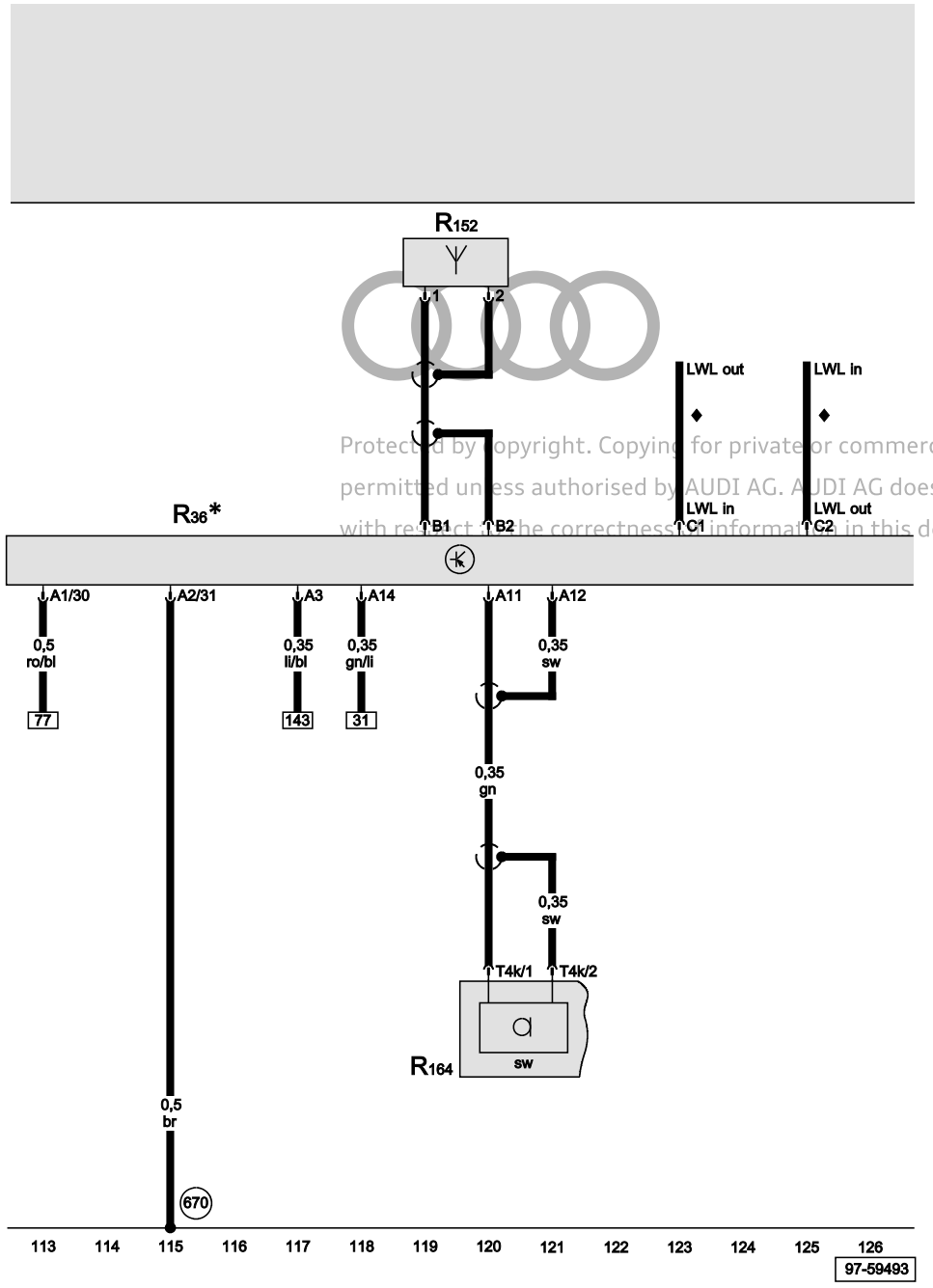
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Telephone transmitter and receiver unit, aerial for Bluetooth, telephone handset, radio, telephone and navigation system aerial

J285	Control unit in dash panel insert
R36	Telephone transmitter and receiver unit
R37	Telephone handset
R52	Radio, telephone and navigation system aerial
R126	Telephone bracket
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T4k	4-pin connector, black, microphone connection roof module
T12g	12-pin connector, on telephone handset
T32	32-pin connector, grey, on dash panel insert
T42	42-pin connector, on telephone transmitter and receiver unit
659	Earth point 1, on right near rear window
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness
*	roof aerial
#	models with microphone
##	up to October 2005
###	from November 2005
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

Telephone transmitter and receiver unit, aerial for Bluetooth

R36	Telephone transmitter and receiver unit
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T4k	4-pin connector, black, microphone connection roof module
670	Earth point 2, left C-pillar
*	models with preparation for mobile telephone
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

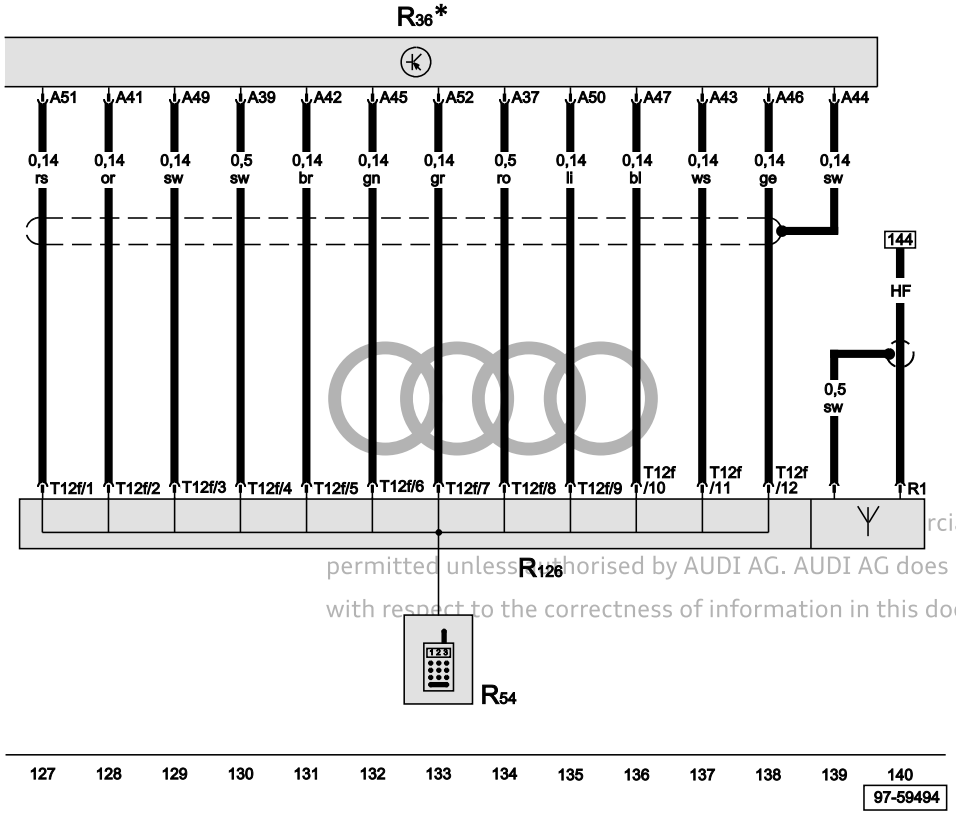


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Telephone transmitter and receiver unit, mobile telephone

R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
T12f	12-pin connector, on mobile telephone
*	models with preparation for mobile telephone

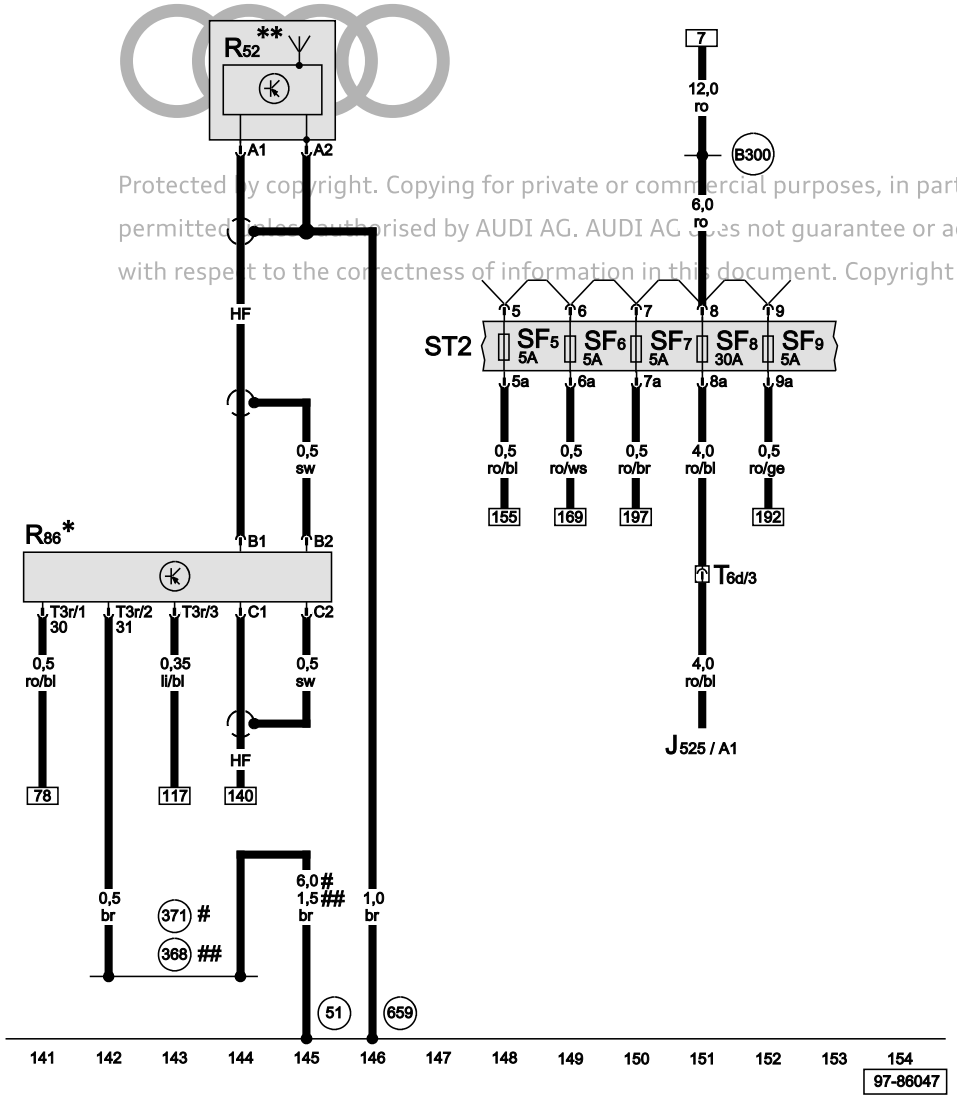


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Aerial amplifier for mobile telephone, radio, telephone and navigation system aerial, fuses

J525	Digital sound package control unit
R52	Radio, telephone and navigation system aerial
R86	Aerial amplifier for mobile telephone
SF5	Fuse 5 on fuse holder
SF6	Fuse 6 on fuse holder
SF7	Fuse 7 on fuse holder
SF8	Fuse 8 on fuse holder
SF9	Fuse 9 on fuse holder
T3r	3-pin connector, black, on aerial amplifier for mobile telephone
T6d	6-pin connector, black, on left in luggage compartment
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
659	Earth point 1, on right near rear window
B300	Positive connection 4 (30), in main wiring harness
*	models with preparation for mobile telephone
**	roof aerial
#	up to October 2005
##	from November 2005

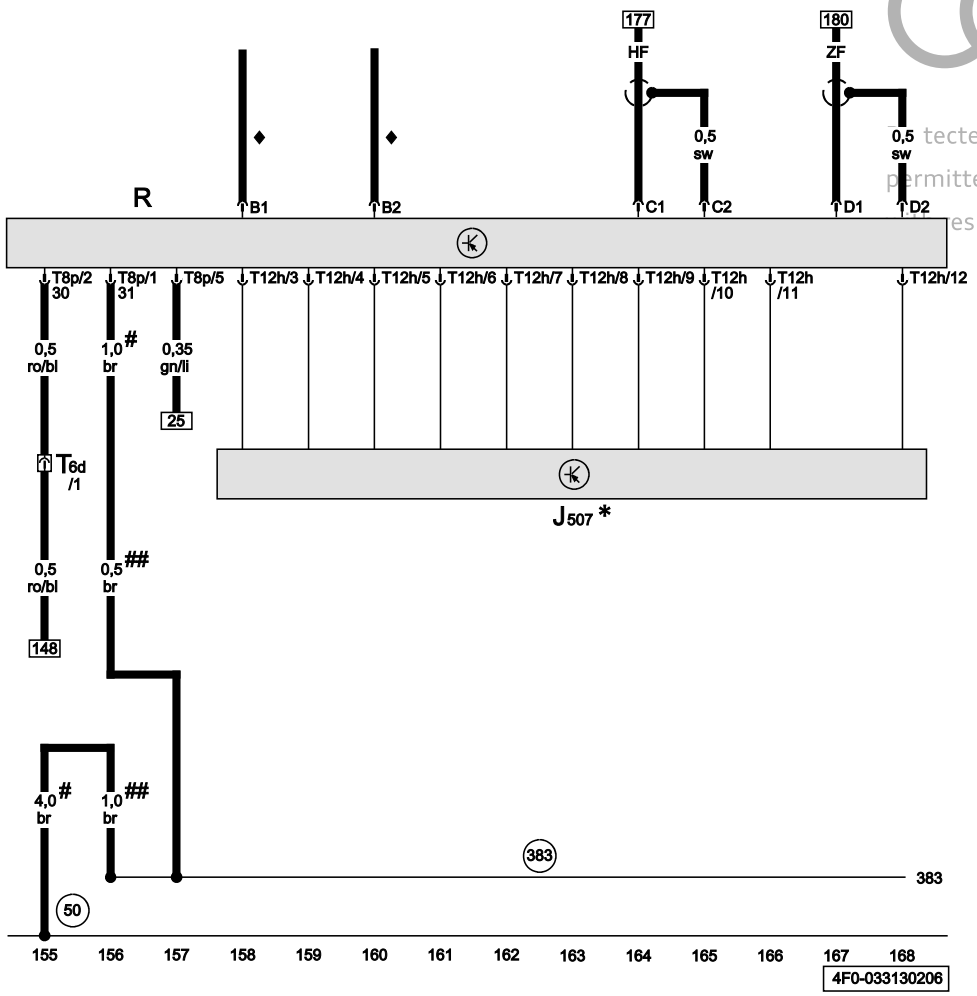


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Radio, language input control unit

J507	Language input control unit
R	Radio
T6d	6-pin connector, black, on left in luggage compartment
T8p	8-pin connector, black, on radio (K-box)
T12h	12-pin connector, on radio (K-box)
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
*	with voice control
#	up to October 2005
##	from November 2005
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

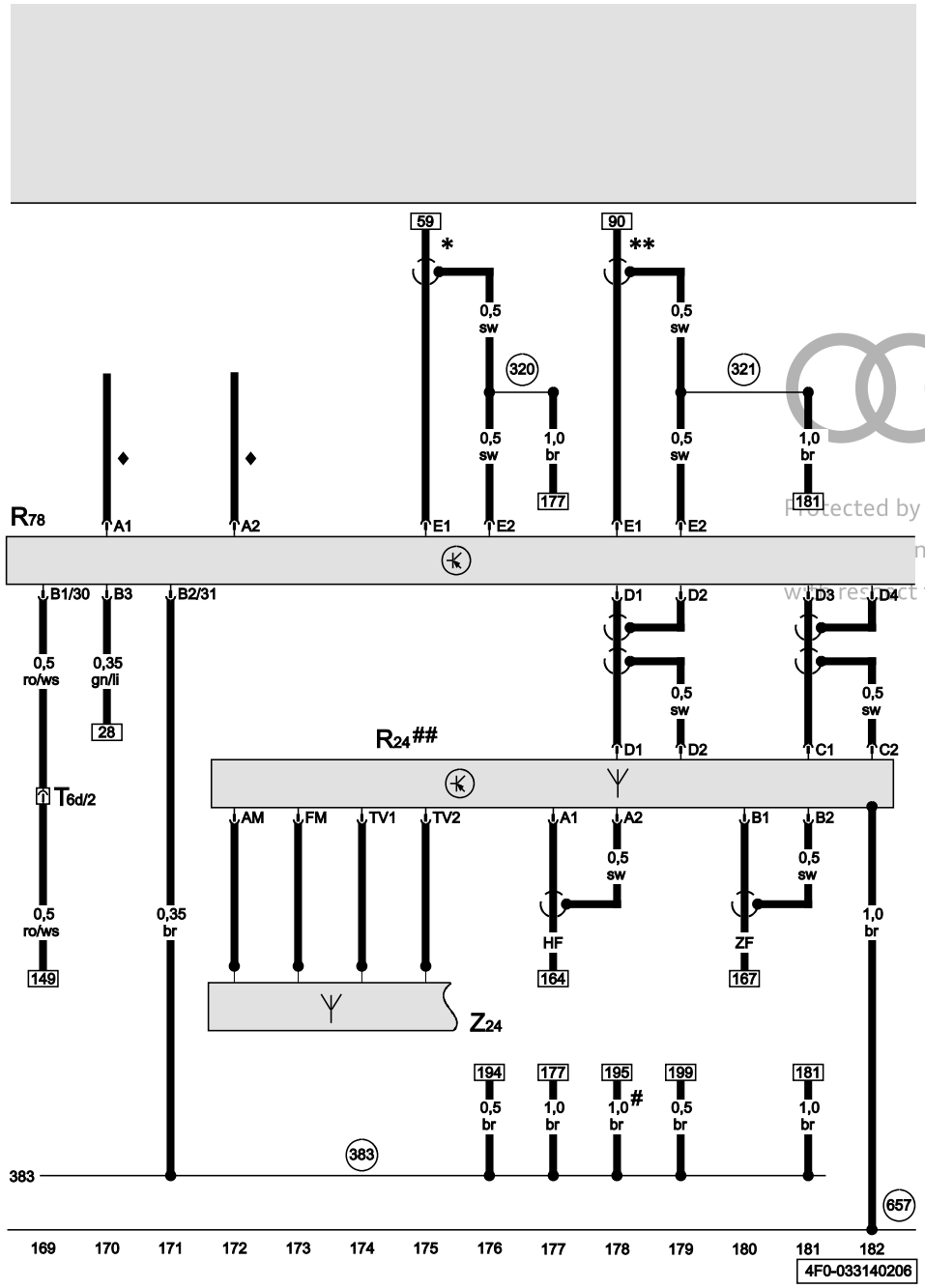


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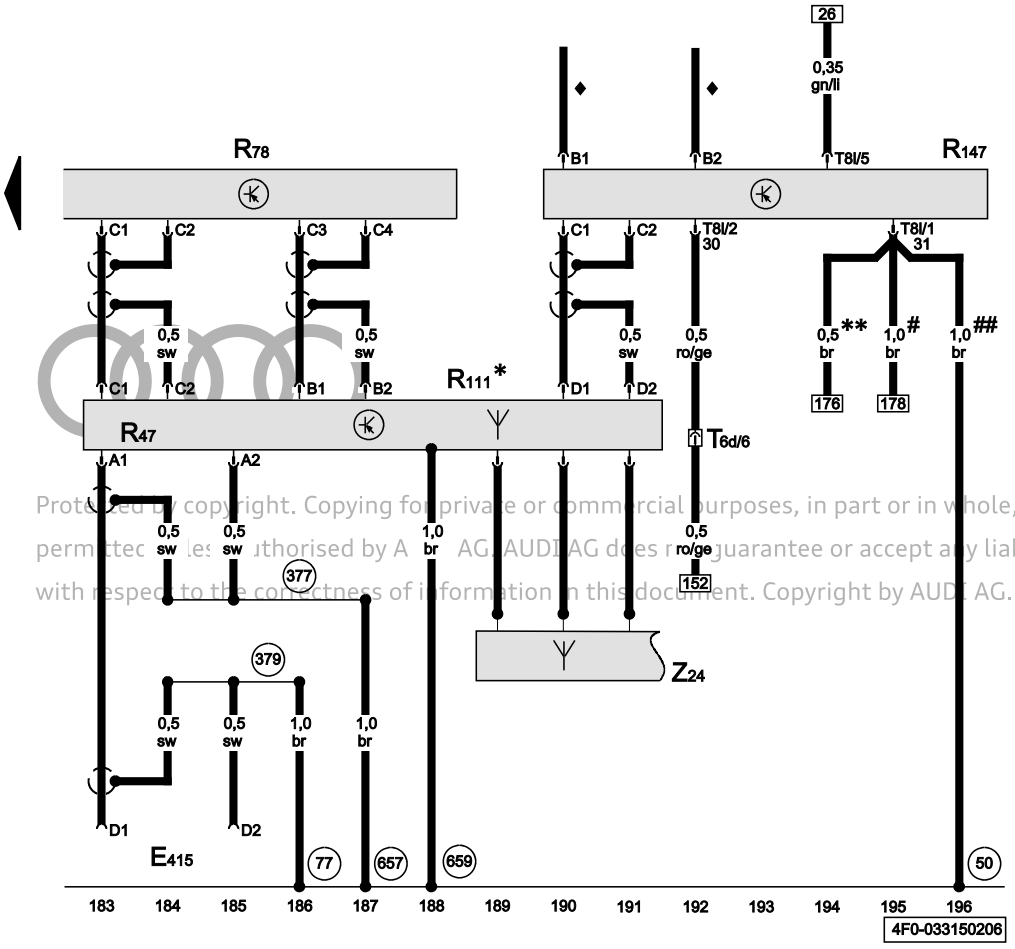
TV tuner, aerial amplifier

R24	Aerial amplifier
R78	TV tuner
T6d	6-pin connector, black, on left in luggage compartment
Z24	Heated rear window with window aerial
320	Earth connection (screening 1, TV), in communication wiring harness
321	Earth connection (screening 2, TV), in communication wiring harness
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
*	models without DVD player
**	models with DVD player
#	up to October 2005
##	on rear window upper left
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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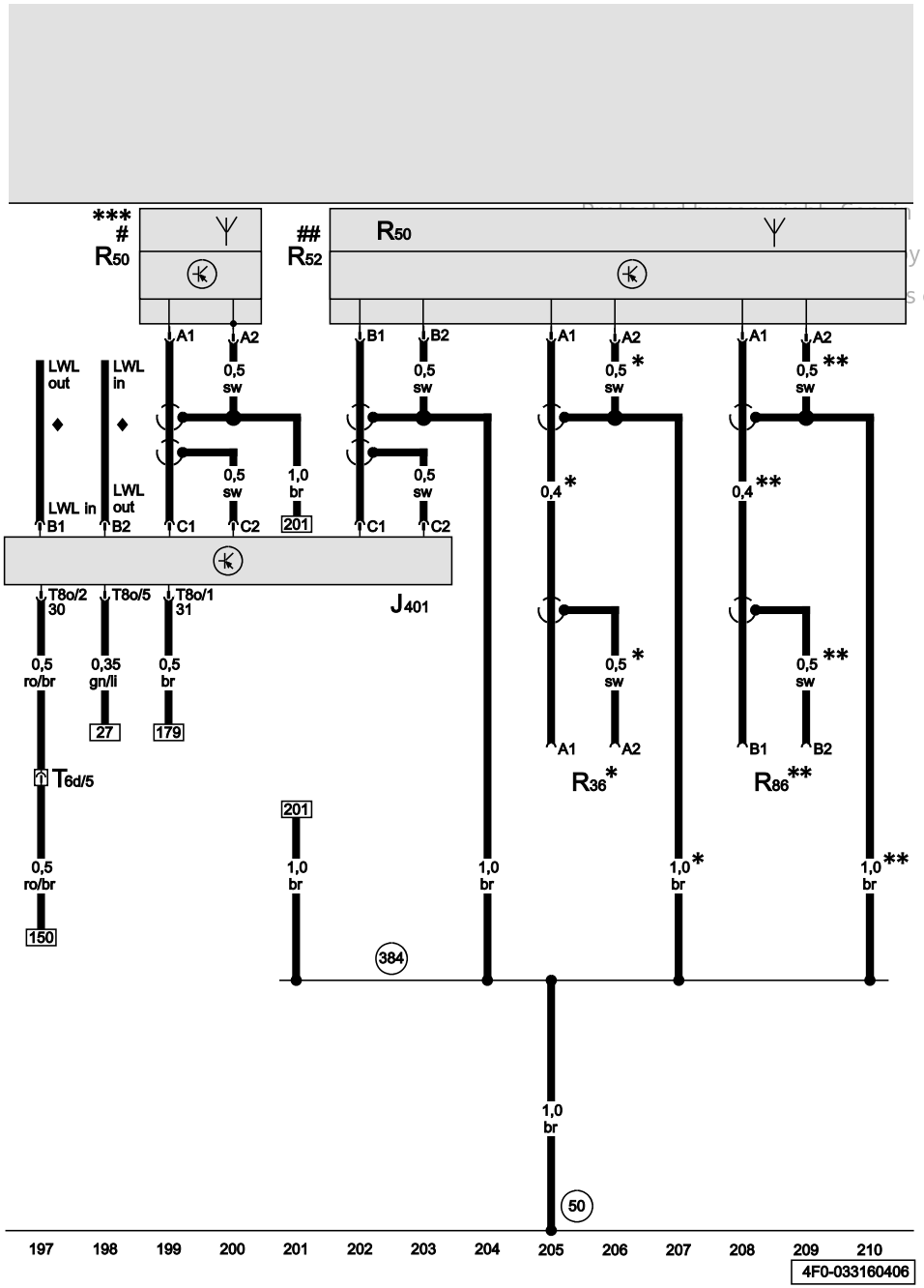
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Digital radio, aerial amplifier 2

E415	Entry and start authorisation switch
R47	Central locking and anti-theft alarm system aerial
R78	TV tuner
R111	Aerial amplifier 2
R147	Digital radio
T6d	6-pin connector, black, on left in luggage compartment
T8l	8-pin connector, black, on digital radio
Z24	Heated rear window with window aerial
50	Earth point, on left in luggage compartment
77	Earth point, lower part of left B-pillar
377	Earth connection 12, in main wiring harness
379	Earth connection 14, in main wiring harness
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
*	on rear window upper right
**	Radio Basic, Basic plus
#	up to October 2005
##	from November 2005
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

Navigation system with CD drive control unit, navigation system aerial, telephone and navigation system aerial



J401 Navigation system with CD drive control unit
R36 Telephone transmitter and receiver unit
R50 Navigation system aerial
R52 Radio, telephone and navigation system aerial
R86 Aerial amplifier for mobile telephone
T6d 6-pin connector, black, on left in luggage compartment
T8o 8-pin connector, black, on navigation system with CD drive control unit
50 Earth point, on left in luggage compartment
384 Earth connection 19, in main wiring harness
* models with microphone
** models with preparation for mobile telephone
*** models without microphone
\# under roof trim
\#\# roof aerial
◆ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Navigation system

From model year 2005

Notes:

Information on

- Position of relays and fuses
- Multi-pin connectors
- Control units and relays
- Earth connections

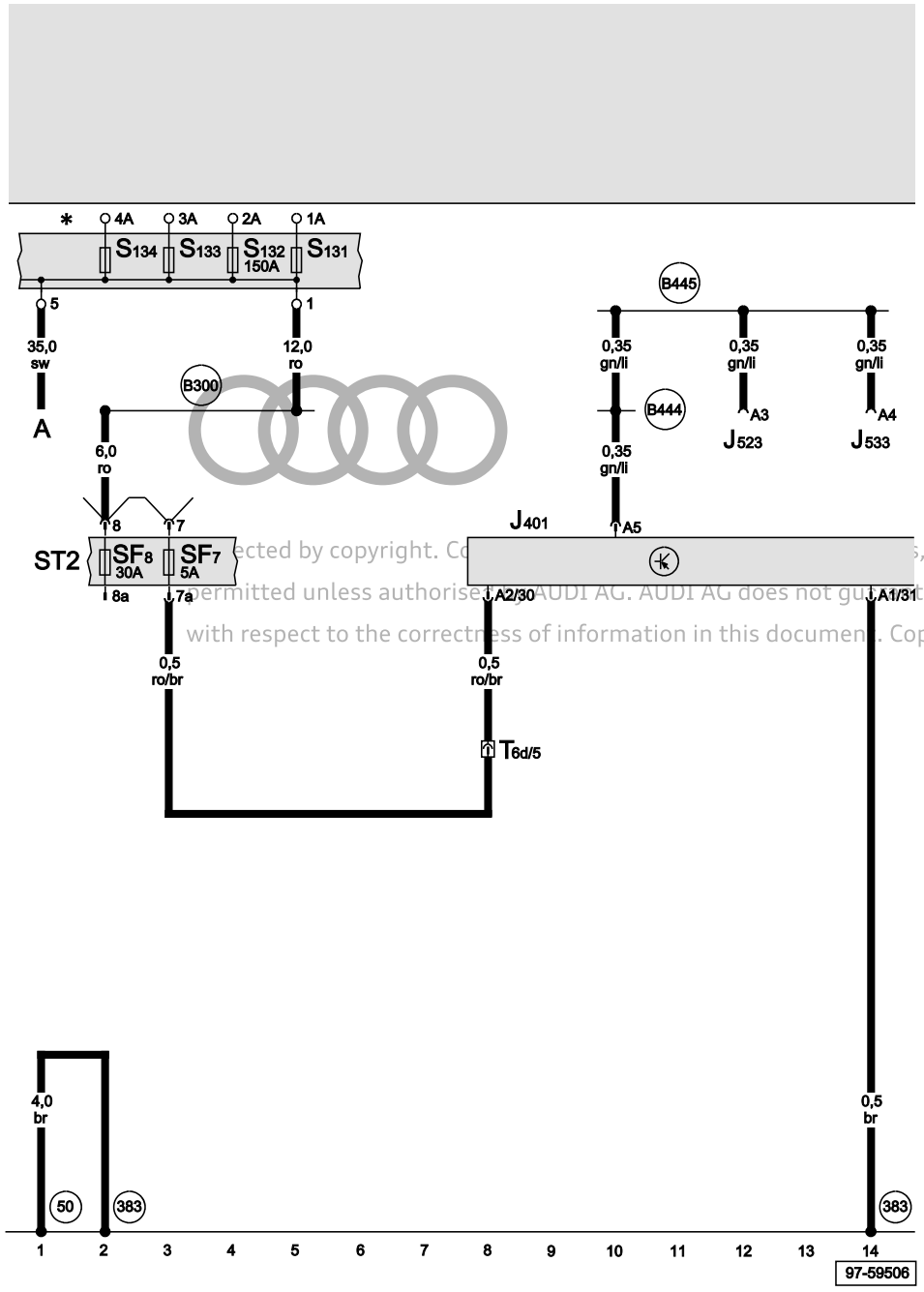
⇒ Overview of Fitting Locations

Information on

- Fault Finding Programmes

⇒ Guided Fault Finding

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Navigation system with CD drive control unit, fuses

A	Battery
J401	Navigation system with CD drive control unit
J523	Front information control unit
J533	Data bus diagnostic interface
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF7	Fuse 7 on fuse box
SF8	Fuse 8 on fuse box
T6d	6-pin connector, black, in luggage compartment, left
50	Earth point, luggage compartment, left
383	Earth connection 18, in main wiring harness
B300	Positive (+) connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring circuit monitor diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring circuit monitor diagnosis)
*	Fuse and relay carrier, luggage compartment, right

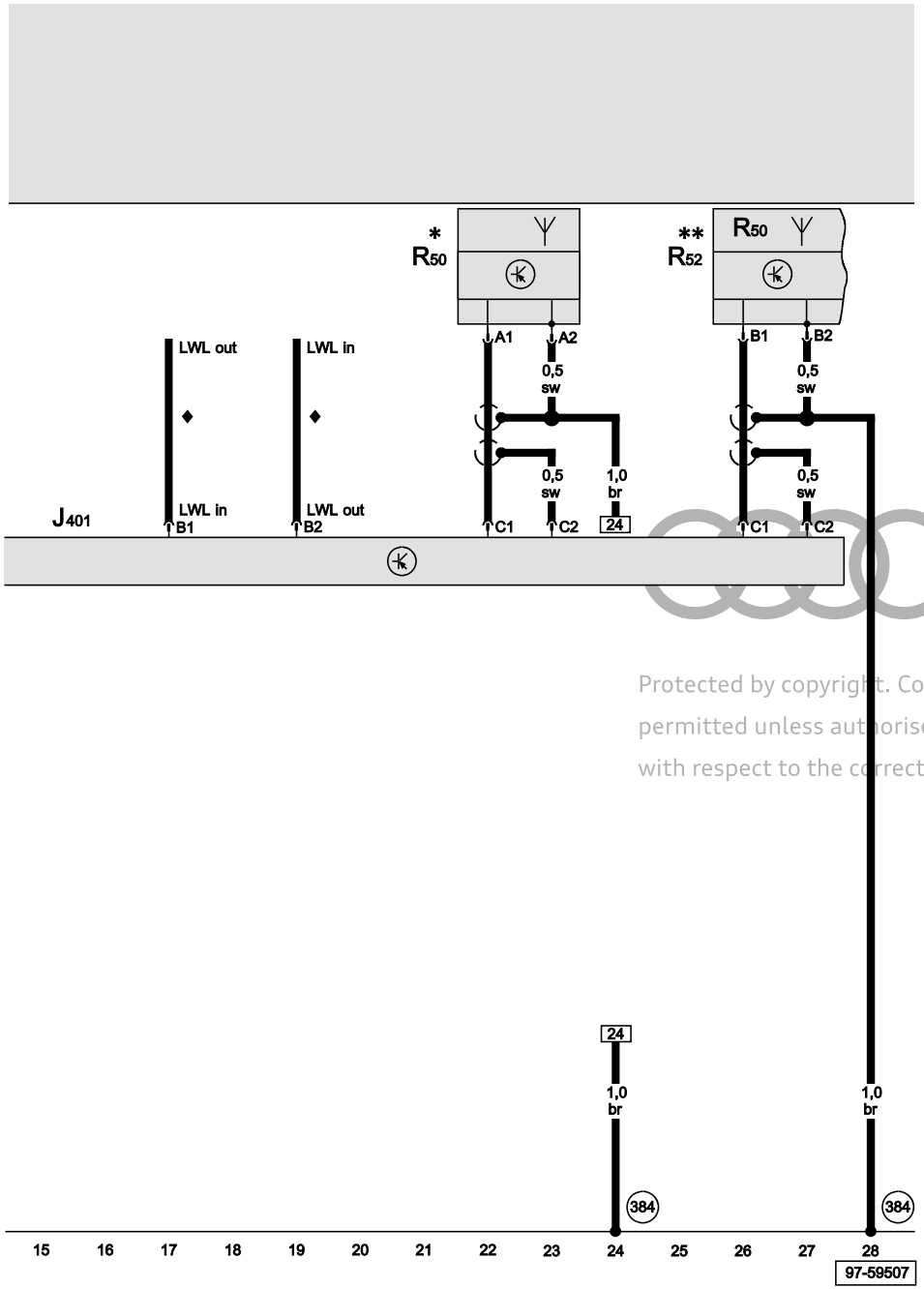
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Navigation system with CD drive control unit, navigation aerial (GPS), radio/telephone/navigation aerial

J401 Navigation system with CD drive control unit
R50 Navigation aerial (GPS)
R52 Radio/telephone/navigation aerial

384 Earth connection 19, in main wiring harness

* Models without telephone, behind rear roof trim
** Models with telephone, roof aerial
♦ Fibre optic cable (LWL), see Current Flow Diagram: Infotainment data bus (Most ring)



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Heated front and rear seats

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

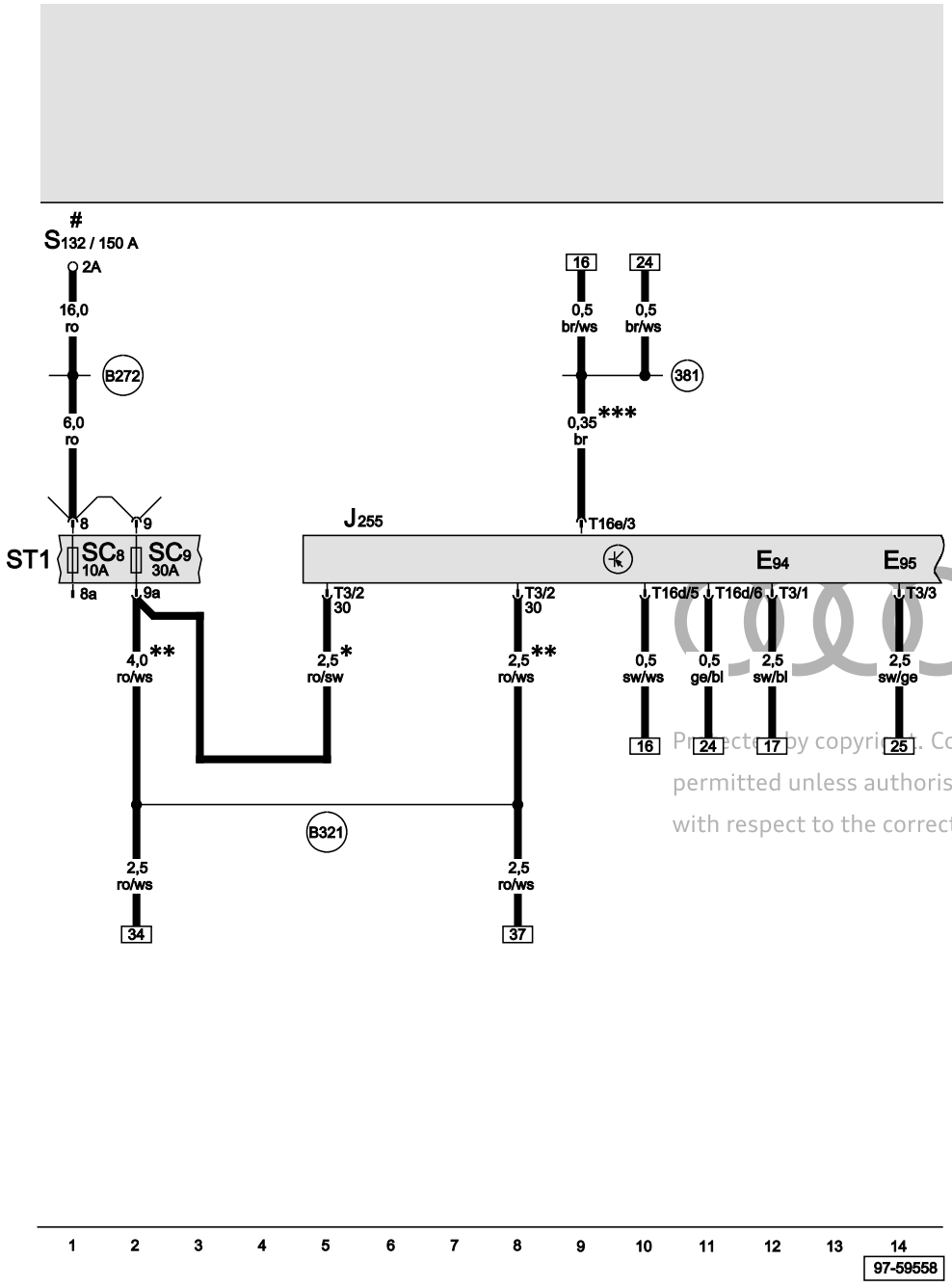
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Heated driver seat regulator, heated front passenger seat regulator, Climatronic control unit

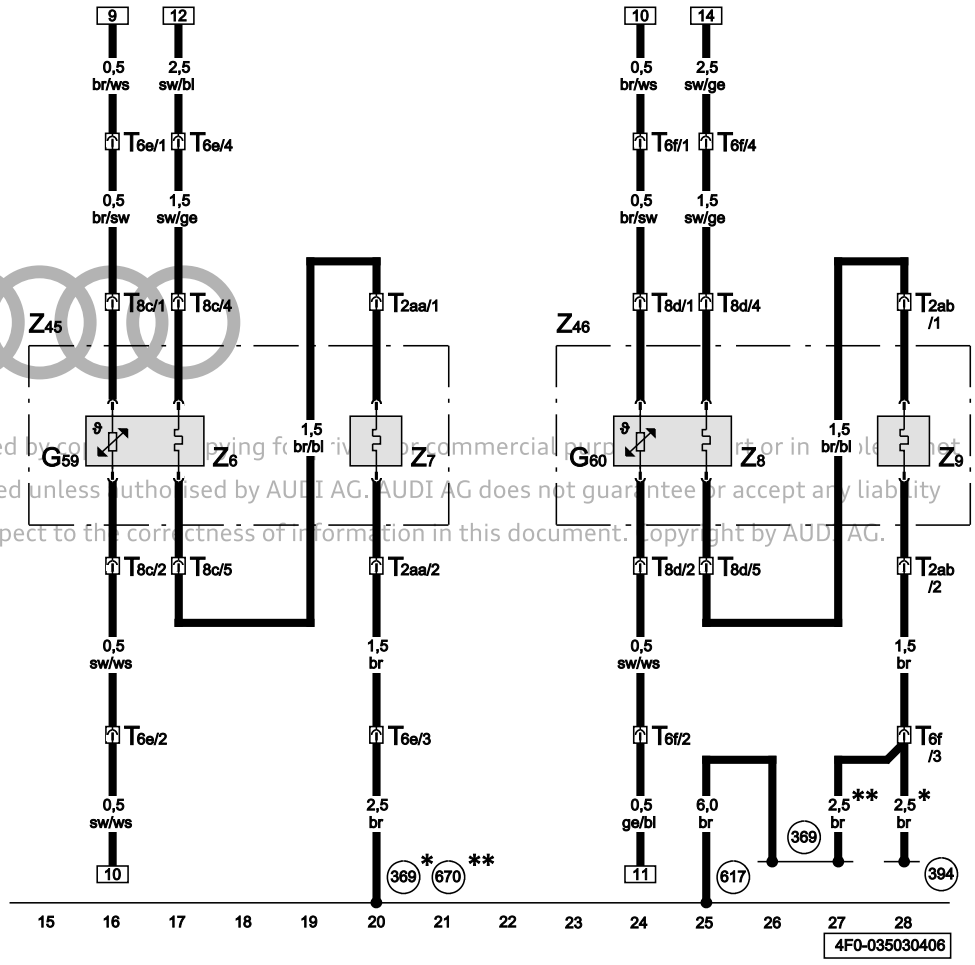
E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J255	Climatronic control unit
S132	Fuse 2
SC8	Fuse 8 on fuse holder
SC9	Fuse 9 on fuse holder
T3	3-pin connector, black, connector E, on Climatronic control unit
T16d	16-pin connector, brown, connector C, on Climatronic control unit
T16e	16-pin connector, black, connector D, on Climatronic control unit
381	Earth connection 16, in main wiring harness
B272	Positive connection (30), in main wiring harness
B321	Positive connection 7 (30a), in main wiring harness
*	Heated front seats
**	Heated front and rear seats
***	output sender earth
#	Fuse and relay carrier right in luggage compartment

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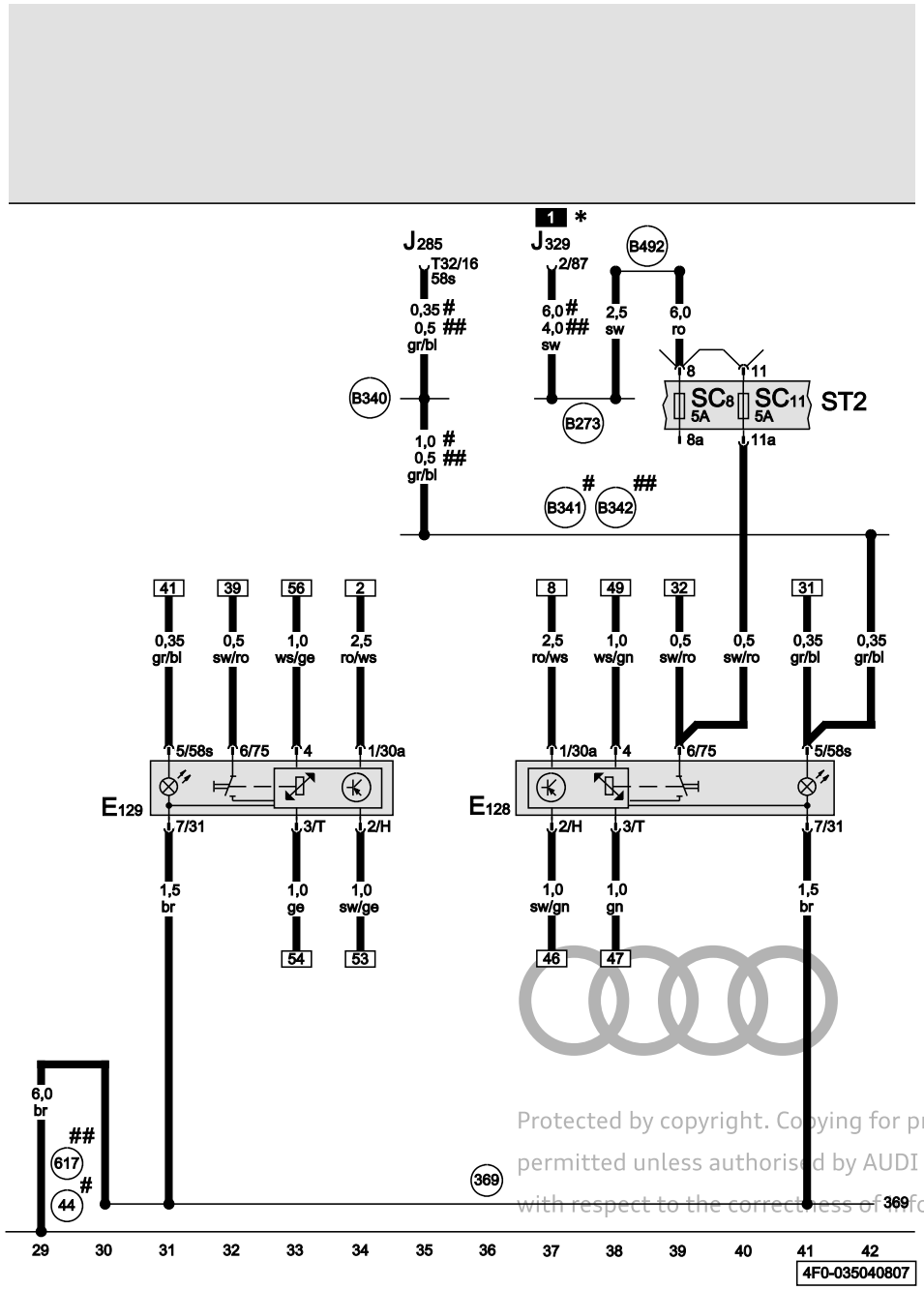
Heated driver seat, heated driver seat backrest, heated front passenger seat, heated front passenger seat backrest, heated seat cushion for front left seat, heated seat cushion for front right seat, temperature sensor

G59	Driver seat temperature sensor
G60	Front passenger seat temperature sensor
T2aa	2-pin connector, under driver seat
T2ab	2-pin connector, under front passenger seat
T6e	6-pin connector, green, on left of seat cross member
T6f	6-pin connector, green, on right of seat cross member
T8c	8-pin connector, under driver seat
T8d	8-pin connector, under front passenger seat
Z6	Heated driver seat cushion
Z7	Heated driver seat backrest
Z8	Heated front passenger seat cushion
Z9	Heated front passenger seat backrest
Z45	Front left seat heating
Z46	Front right seat heating
369	Earth connection 4, in main wiring harness
394	Earth connection 29, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
670	Earth point 2, left A-pillar
*	up to October 2005
**	from November 2005



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

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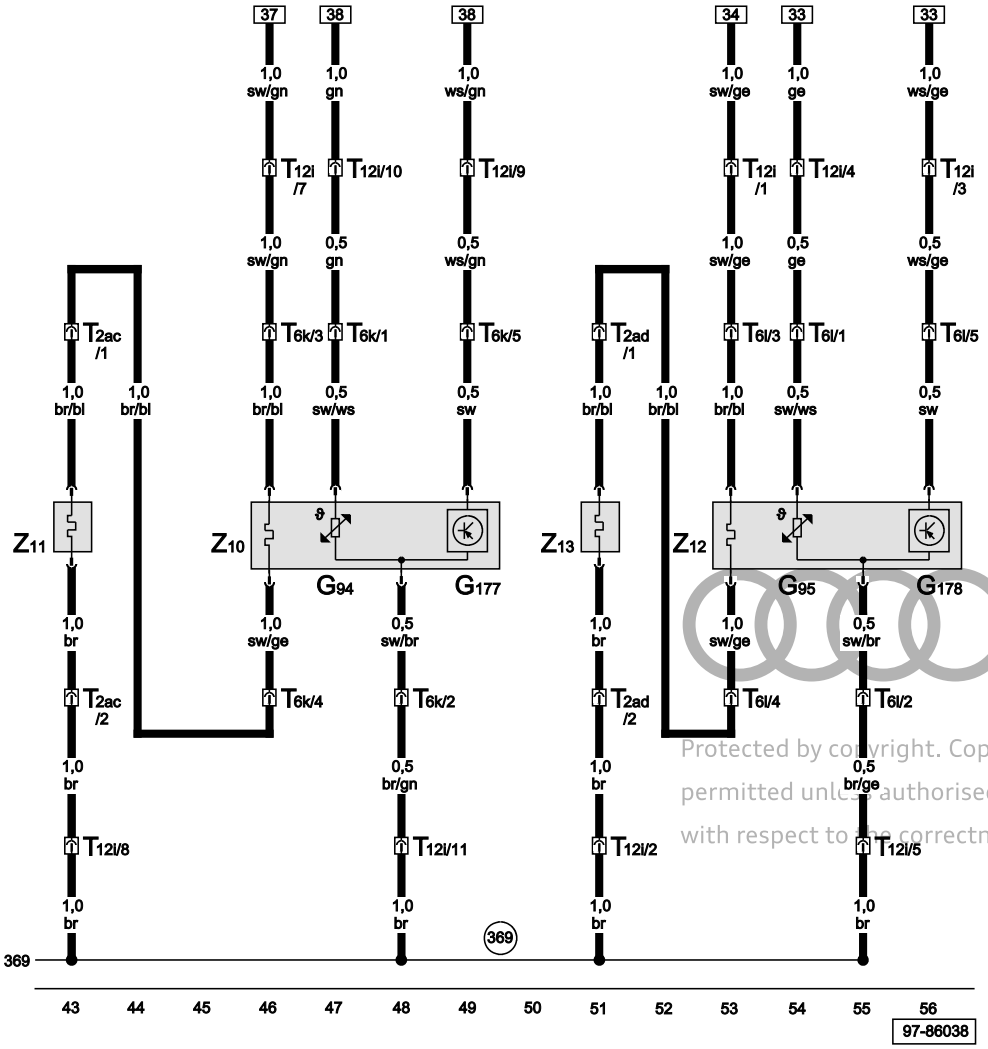
Heated rear left seat switch with regulator, heated rear right seat switch with regulator

E128	Heated rear left seat switch with regulator
E129	Heated rear right seat switch with regulator
J285	Control unit in dash panel insert
J329	Terminal 15 voltage supply relay
SC8	Fuse 8 on fuse holder
SC11	Fuse 11 on fuse holder
T32	32-pin connector, grey, on dash panel insert
44	Earth point, lower part of left A-pillar
369	Earth connection 4, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
B273	Positive connection (15), in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	9-point relay carrier, behind driver storage compartment
#	up to October 2005
##	from November 2005

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sw	=	black
ro	=	red
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Heated bench seat cushion for rear left seat, heated rear left seat backrest, heated bench seat cushion for rear right seat, heated rear right seat backrest, rear seat occupied sensor, rear seat temperature sensor



G94	Rear left seat temperature sensor
G95	Rear right seat temperature sensor
G177	Rear seat occupied sensor on driver side
G178	Rear seat occupied sensor on front passenger side
T2ac	2-pin connector, in rear seat, left
T2ad	2-pin connector, in rear seat, right
T6k	6-pin connector, under rear seat, left
T6l	6-pin connector, under rear seat, right
T12i	12-pin connector, black, under rear seat
Z10	Heated rear left seat
Z11	Heated rear left seat backrest
Z12	Heated rear right seat
Z13	Heated rear right seat backrest
369	Earth connection 4, in main wiring harness

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ge	=	yellow
or	=	orange
rs	=	pink

MMI with 6 channel digital sound package sound system (9VD)

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

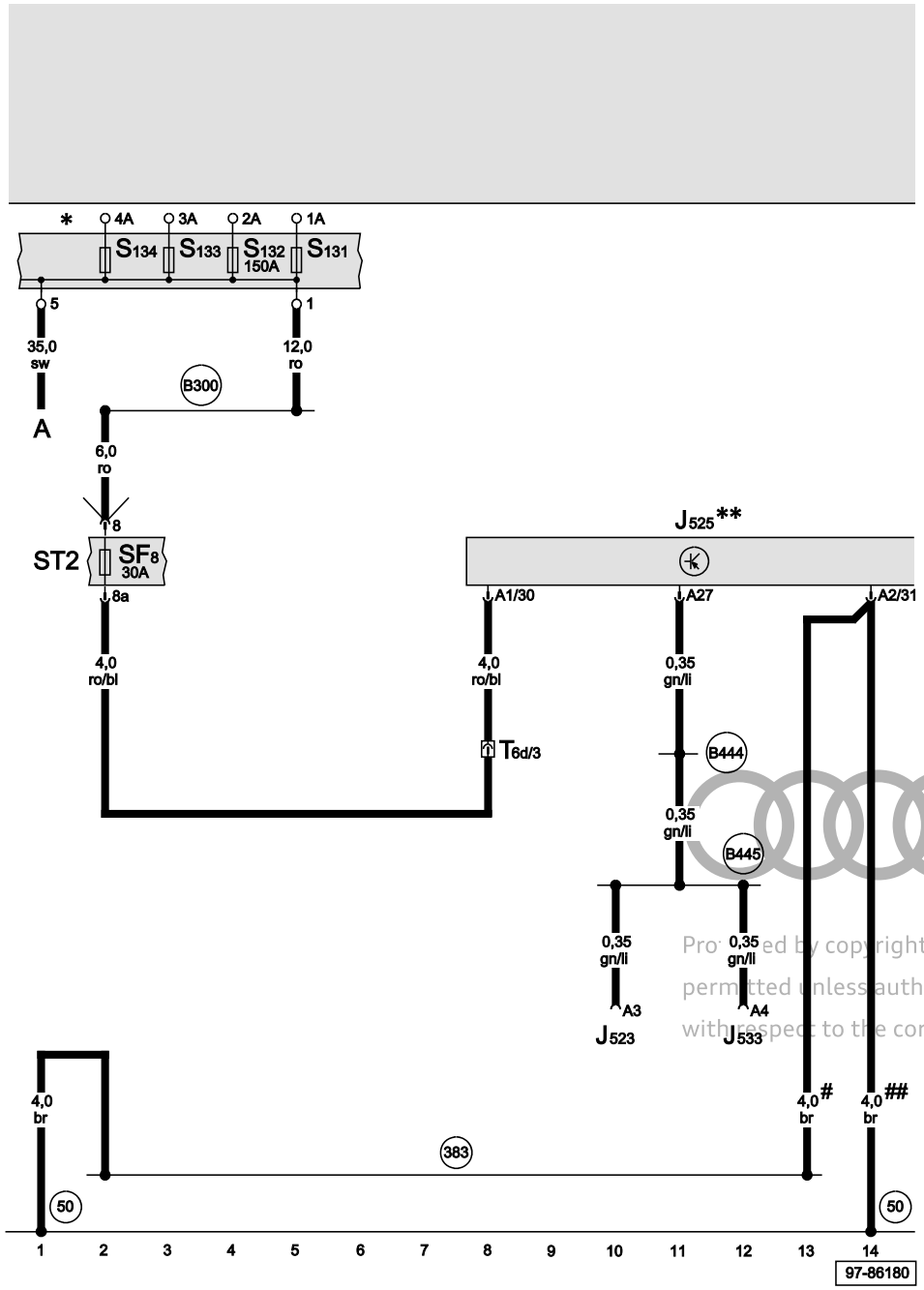
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Digital sound package control unit, fuses

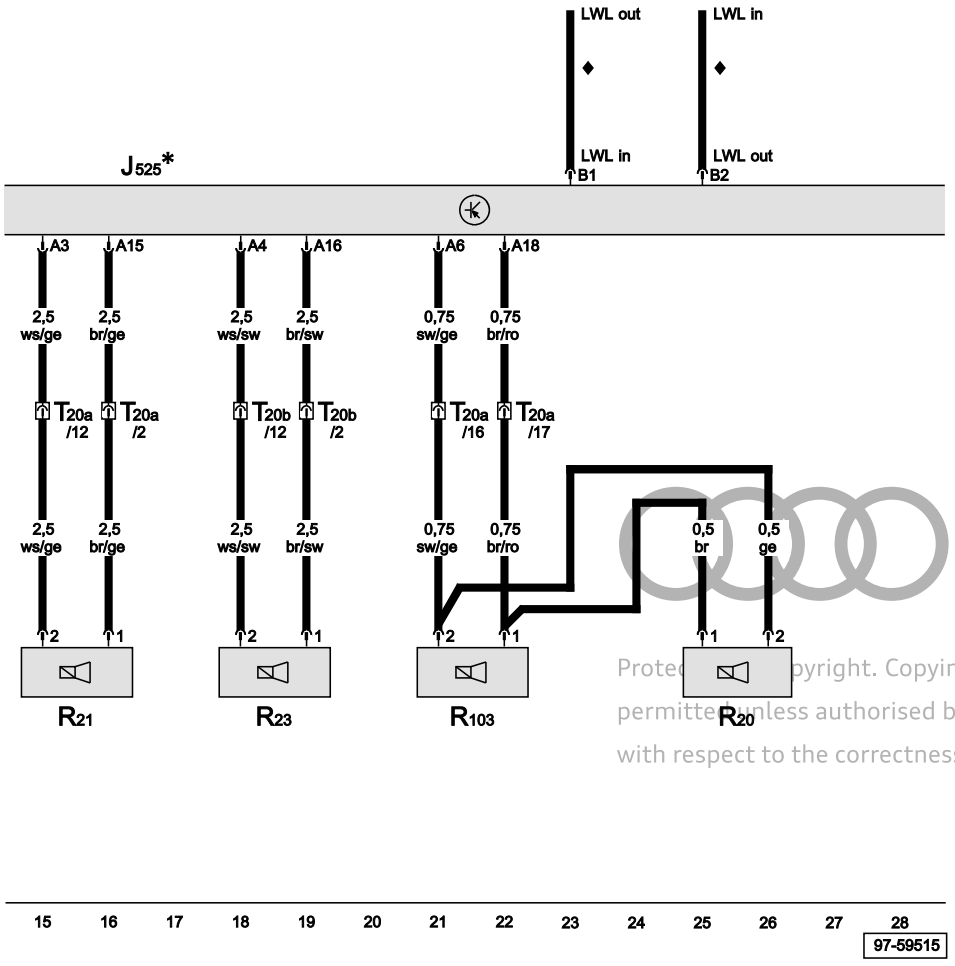
A	Battery
J523	Front information display and operating unit control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF8	Fuse 8 on fuse holder
T6d	6-pin connector, black, on left in luggage compartment
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	Fuse and relay carrier right in luggage compartment
**	on left in luggage compartment
#	up to October 2005
##	from November 2005

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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Digital sound package control unit, front left bass loudspeaker, front right bass loudspeaker, front left mid-range loudspeaker

J525	Digital sound package control unit
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R103	Front left mid-range loudspeaker
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
*	on left in luggage compartment
◆	Fibre optic conductor, see Current Flow Diagram infotainment data bus (Most Ring)



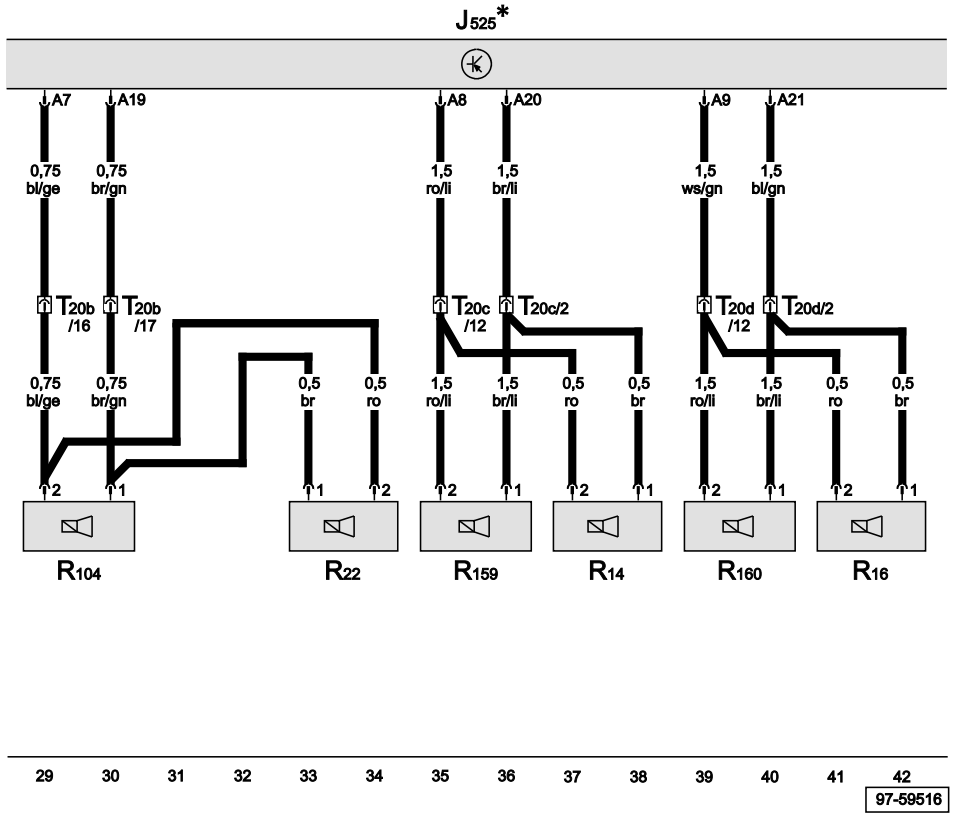
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rs	=	pink

Digital sound package control unit, front right mid-range loudspeaker, rear left and right mid-range and bass loudspeaker, treble loudspeaker

J525	Digital sound package control unit
R14	Rear left treble loudspeaker
R16	Rear right treble loudspeaker
R22	Front right treble loudspeaker
R104	Front right mid-range loudspeaker
R159	Rear left mid-range and bass loudspeaker
R160	Rear right mid-range and bass loudspeaker
T20b	20-pin connector, black, right A-pillar
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar
*	on left in luggage compartment

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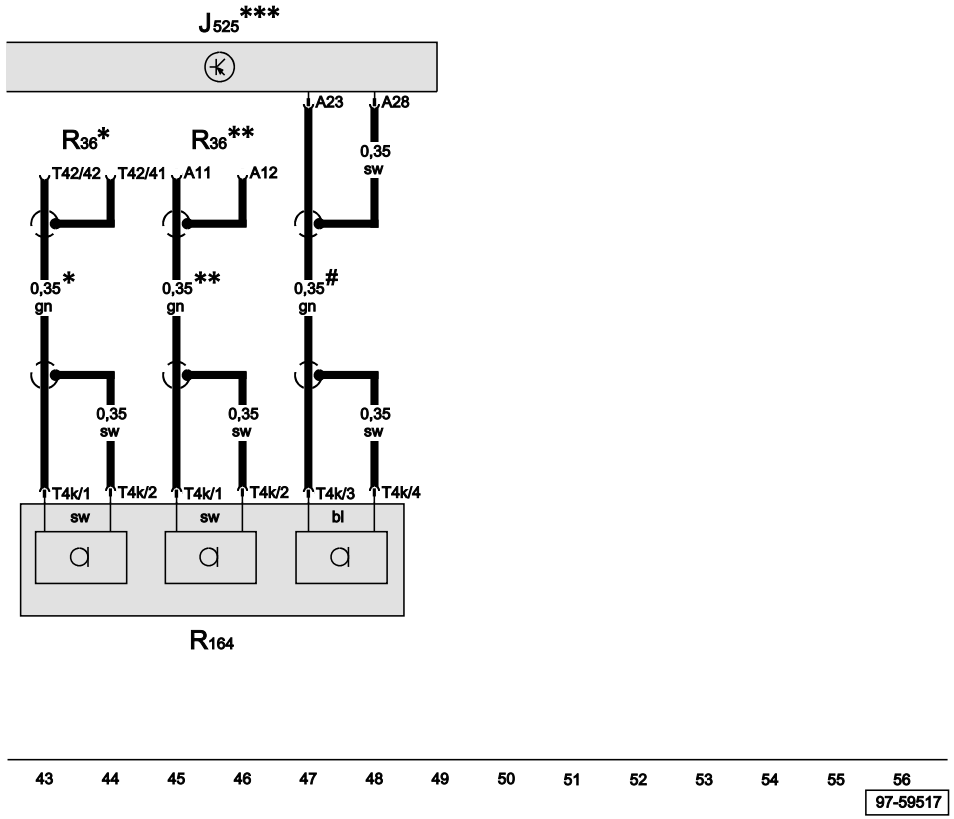


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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Digital sound package control unit, microphone unit in front roof module

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R164	Microphone unit in front roof module
T4k	4-pin connector, black, microphone connection roof module
T42	42-pin connector, on telephone transmitter and receiver unit
*	models with microphone
**	models with preparation for mobile telephone
***	on left in luggage compartment
#	models with voice control

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MMI with Bose sound system (8RY)

From model year 2005

Notes:

Information on

- Position of relays and fuses
- Multi-pin connectors
- Control units and relays
- Earth connections

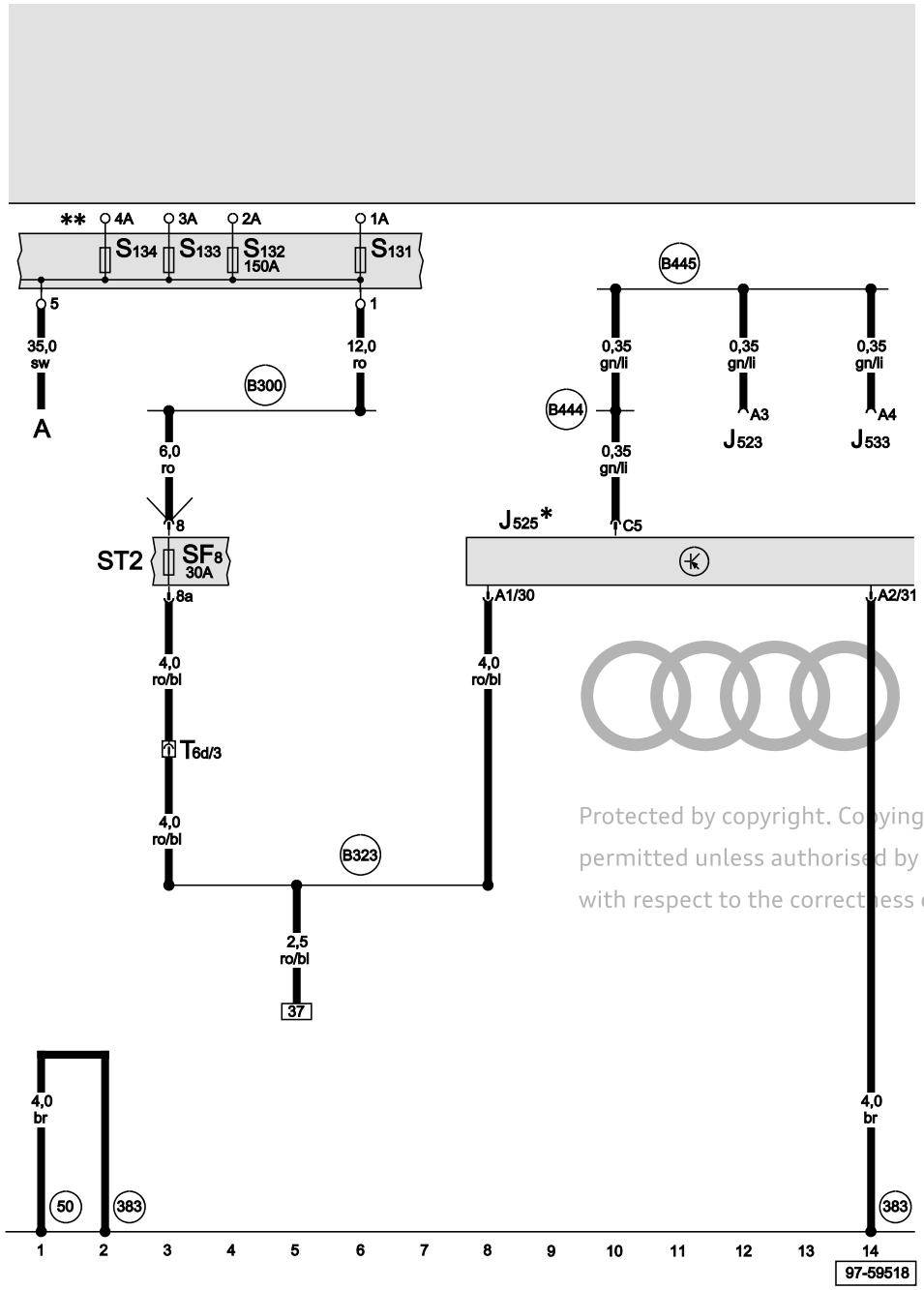
⇒ Overview of Fitting Locations

Information on

- Fault Finding Programmes

⇒ Guided Fault Finding

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Digital sound package control unit, fuses

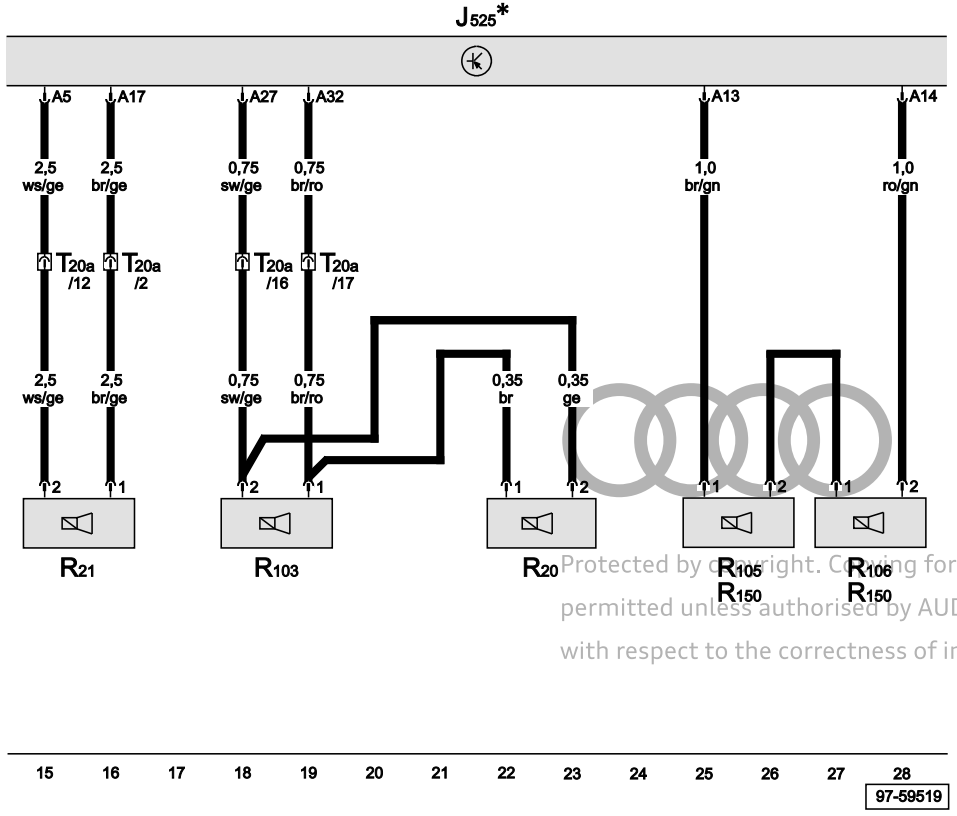
A	Battery
J523	Front information control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF8	Fuse 8 on fuse box
T6d	6-pin connector, black, in luggage compartment, left
50	Earth point, luggage compartment, left
383	Earth connection 18, in main wiring harness
B300	Positive (+) connection 4 (30), in main wiring harness
B323	Positive (+) connection 9 (30a), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring circuit monitor diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring circuit monitor diagnosis)
*	In luggage compartment, left
**	Fuse and relay carrier, luggage compartment, right

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Digital sound package control unit, front left bass loudspeaker, front left treble loudspeaker, mid-range loudspeakers, loudspeaker in rear shelf

J525	Digital sound package control unit
R20	Treble loudspeaker, front left
R21	Bass loudspeaker, front left
R103	Mid-range loudspeaker, front left
R105	Mid-range loudspeaker, rear left
R106	Mid-range loudspeaker, rear right
R150	Loudspeaker in rear shelf
T20a	20-pin connector, black, A pillar, left
*	In luggage compartment, left

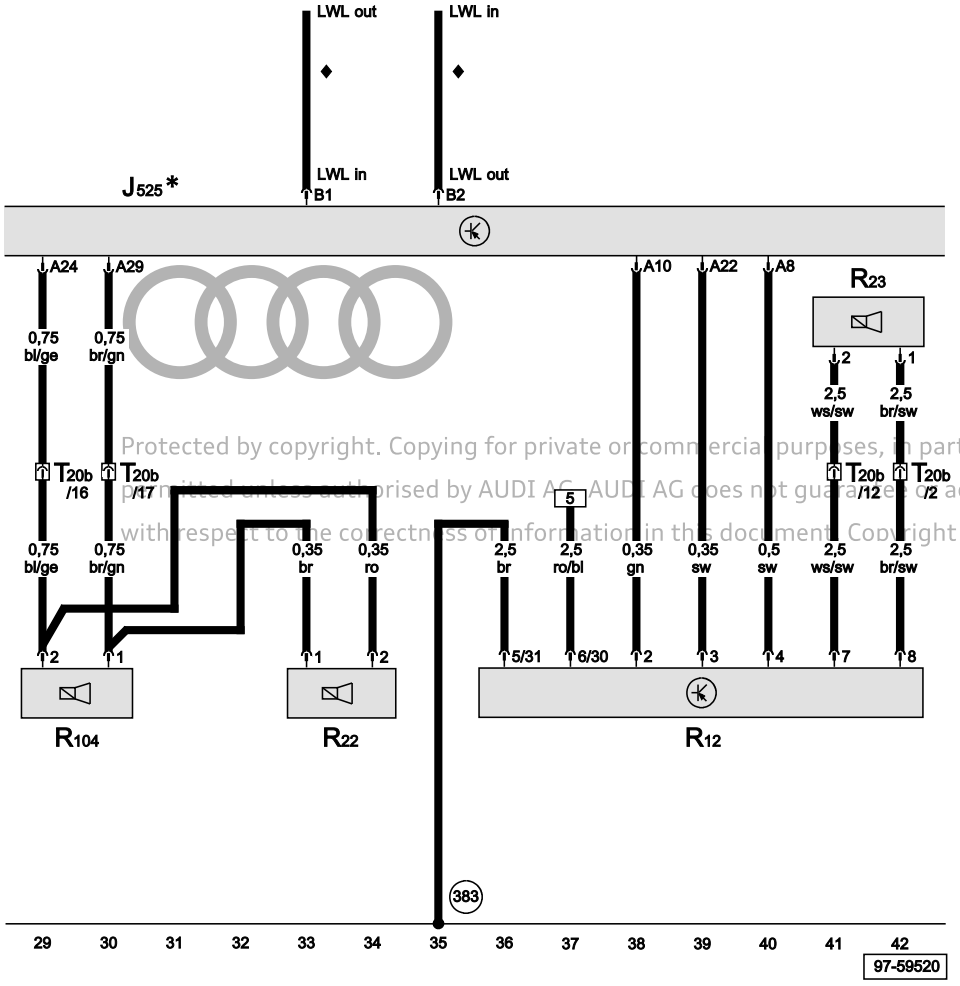


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Digital sound package control unit, front right mid-range loudspeaker, amplifier, front right treble loudspeaker, front right bass loudspeaker

J525	Digital sound package control unit
R12	Amplifier
R22	Treble loudspeaker, front right
R23	Bass loudspeaker, front right
R104	Mid-range loudspeaker, front right
T20b	20-pin connector, black, A pillar, right
383	Earth connection 18, in main wiring harness
*	In luggage compartment, left
♦	Fibre optic cable (LWL), see Current Flow Diagram: Infotainment data bus (Most ring)

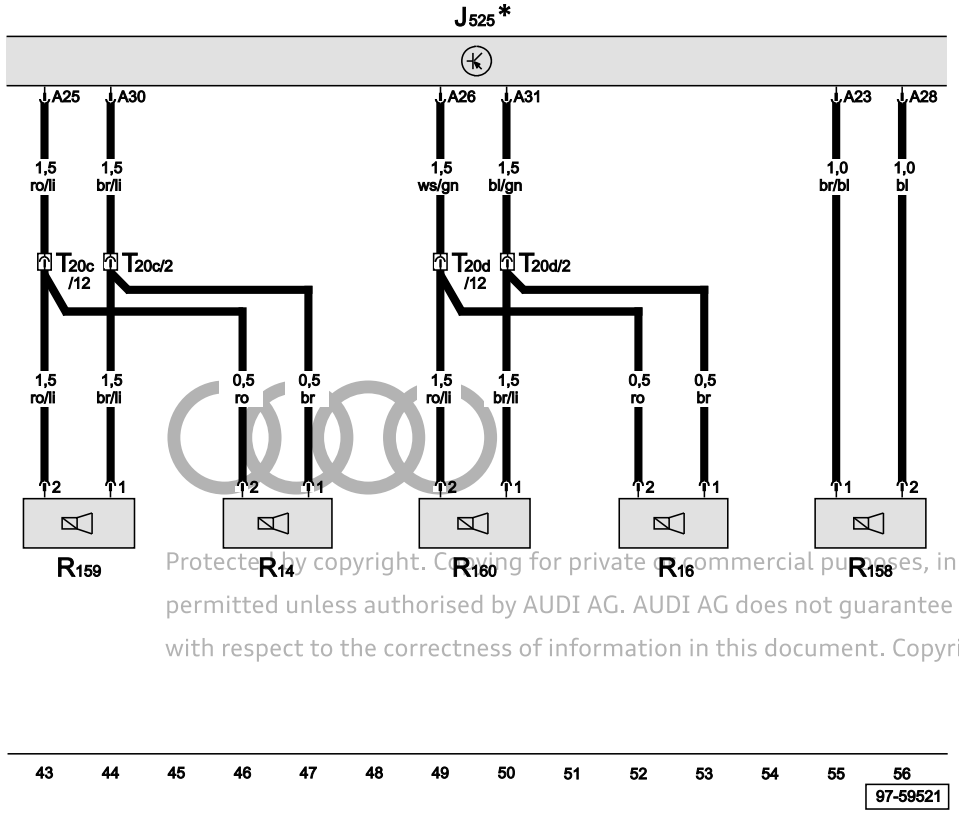


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Digital sound package control unit, rear left and rear right mid-range/bass loudspeaker, rear left and rear right treble loudspeaker, centre mid-range/treble loudspeaker

J525	Digital sound package control unit
R14	Treble loudspeaker, rear left
R16	Treble loudspeaker, rear right
R158	Mid-range/treble loudspeaker, centre
R159	Mid-range/bass loudspeaker, rear left
R160	Mid-range/bass loudspeaker, rear right
T20c	20-pin connector, black, B pillar, left
T20d	20-pin connector, black, B pillar, right
*	In luggage compartment, left

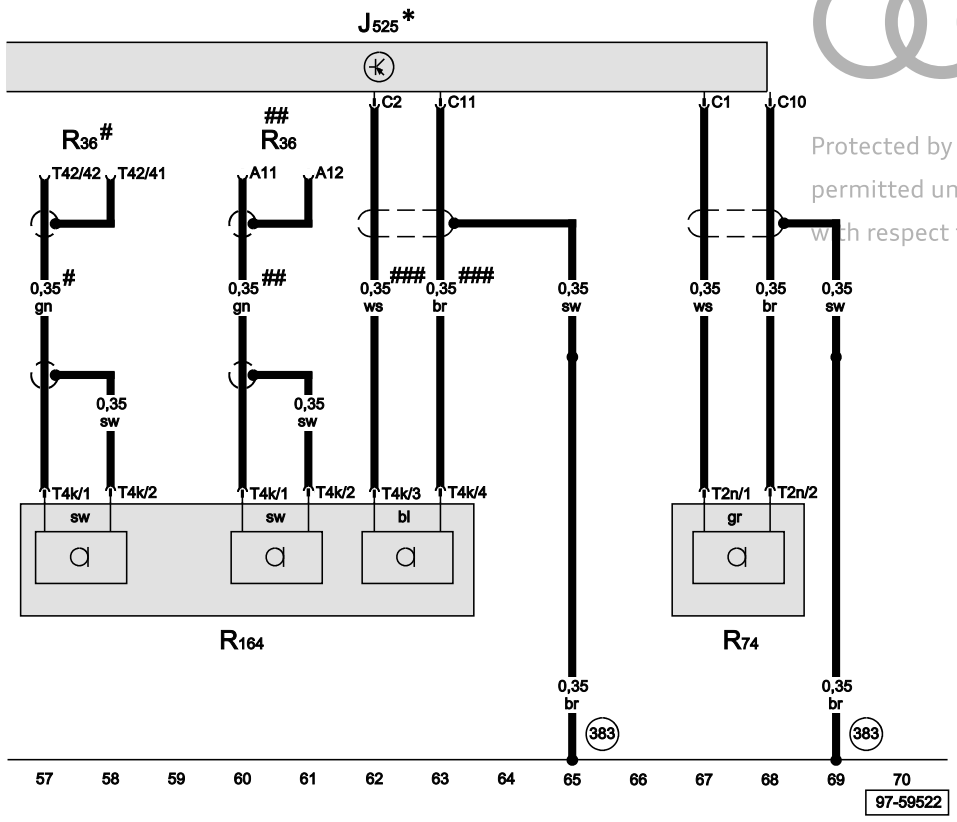


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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Digital sound package control unit, microphone unit in front roof module

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R74	Internal microphone
R164	Microphone unit in front roof module
T2n	2-pin connector, black, microphone connection, roof module
T4k	4-pin connector, black, microphone connection, roof module
T42	42-pin connector, on telephone transmitter and receiver unit
383	Earth connection 18, in main wiring harness
*	In luggage compartment, left
#	Models with telephone
##	Models with provision for mobile telephone
###	Models with voice control



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MMI

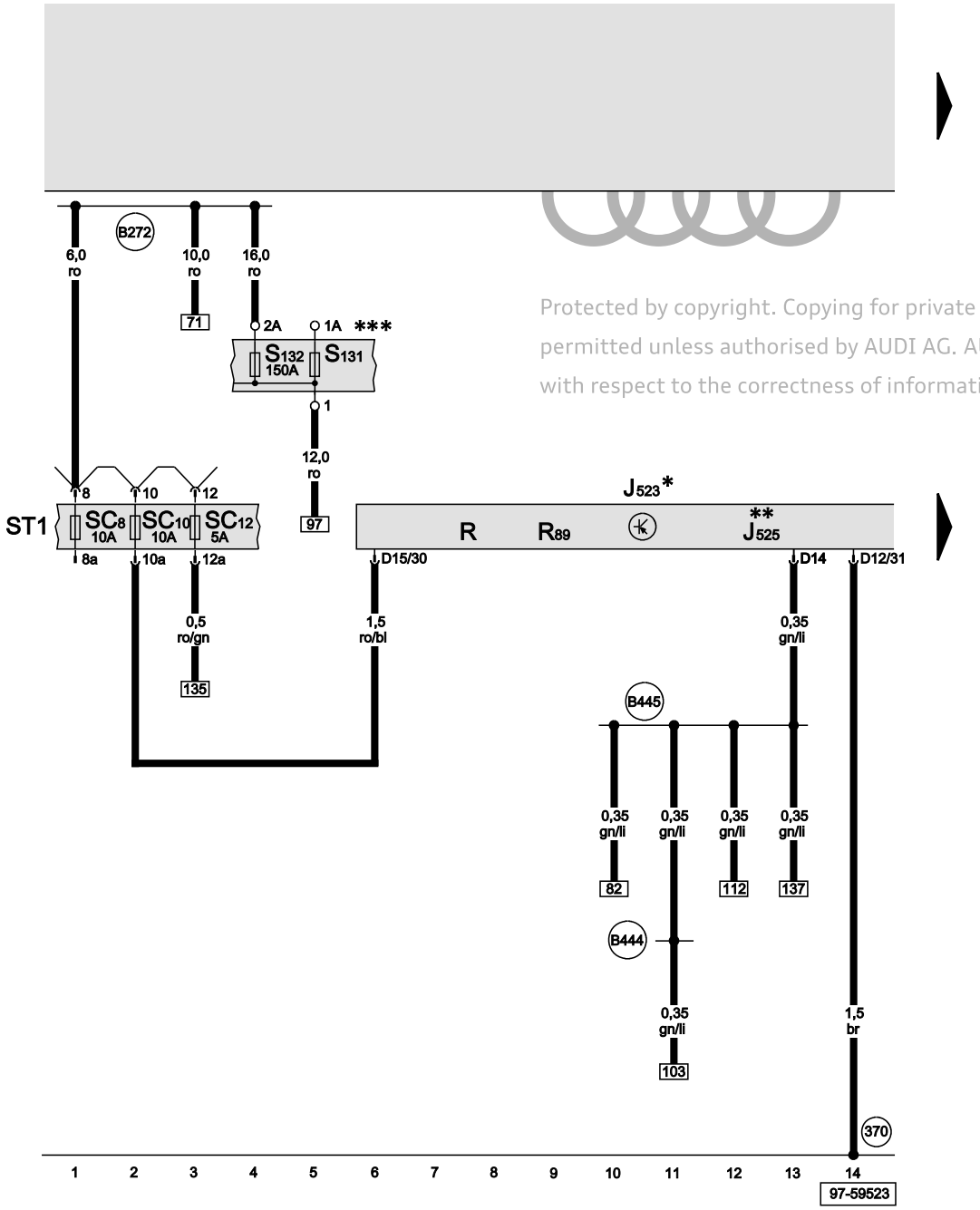
⇒ **MMI basic**
⇒ **MMI basic plus**
⇒ **MMI basic plus navigation system**
from model year 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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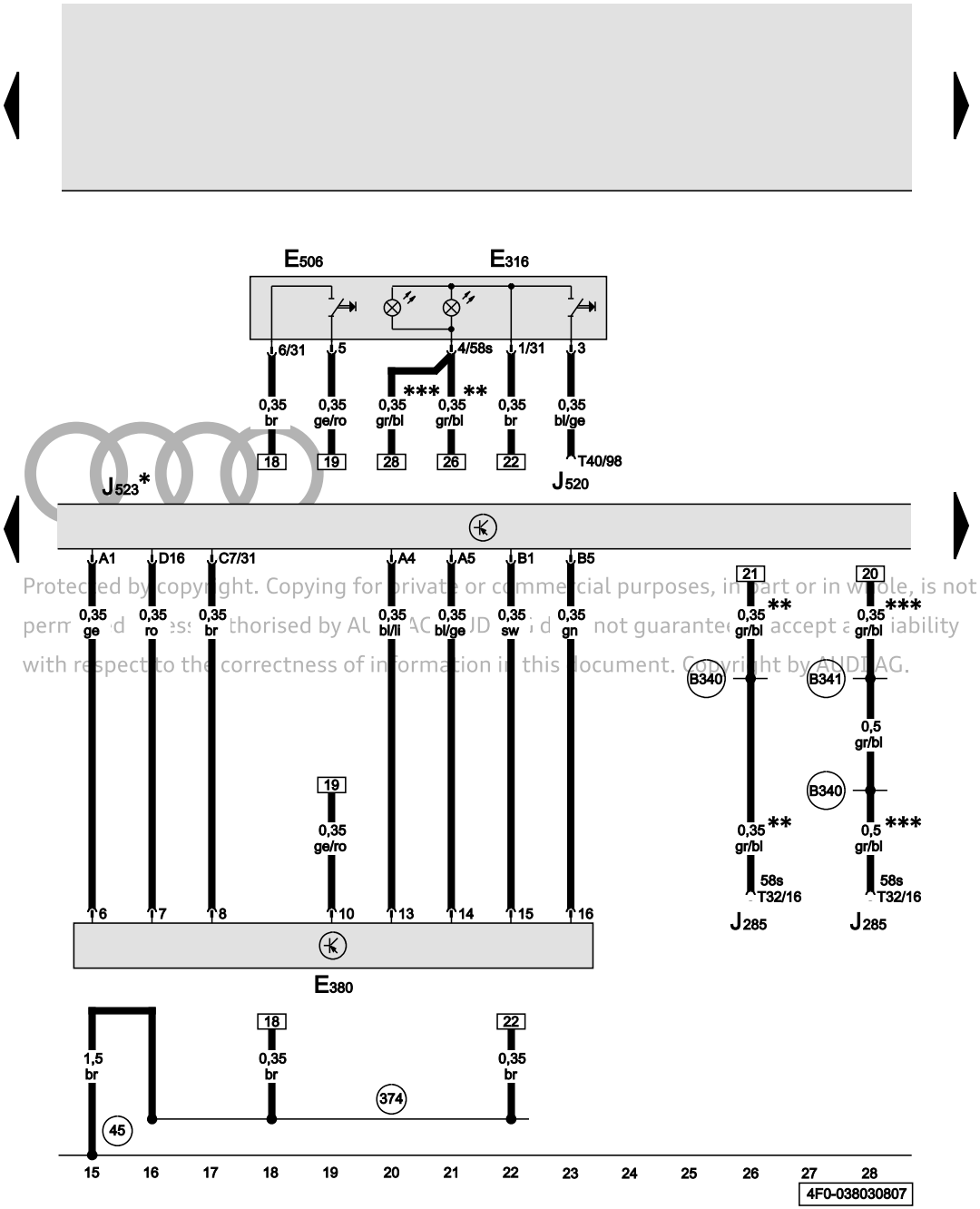
Front information display and operating unit control unit, fuses

J523	Front information display and operating unit control unit
J525	Digital sound package control unit
R	Radio
R89	CD player
S131	Fuse 1
S132	Fuse 2
SC8	Fuse 8 on fuse holder
SC10	Fuse 10 on fuse holder
SC12	Fuse 12 on fuse holder
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	in glove box
**	only MMI basic
***	Fuse and relay carrier right in luggage compartment

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

Front information display and operating unit control unit, multimedia system operating unit, display unit button

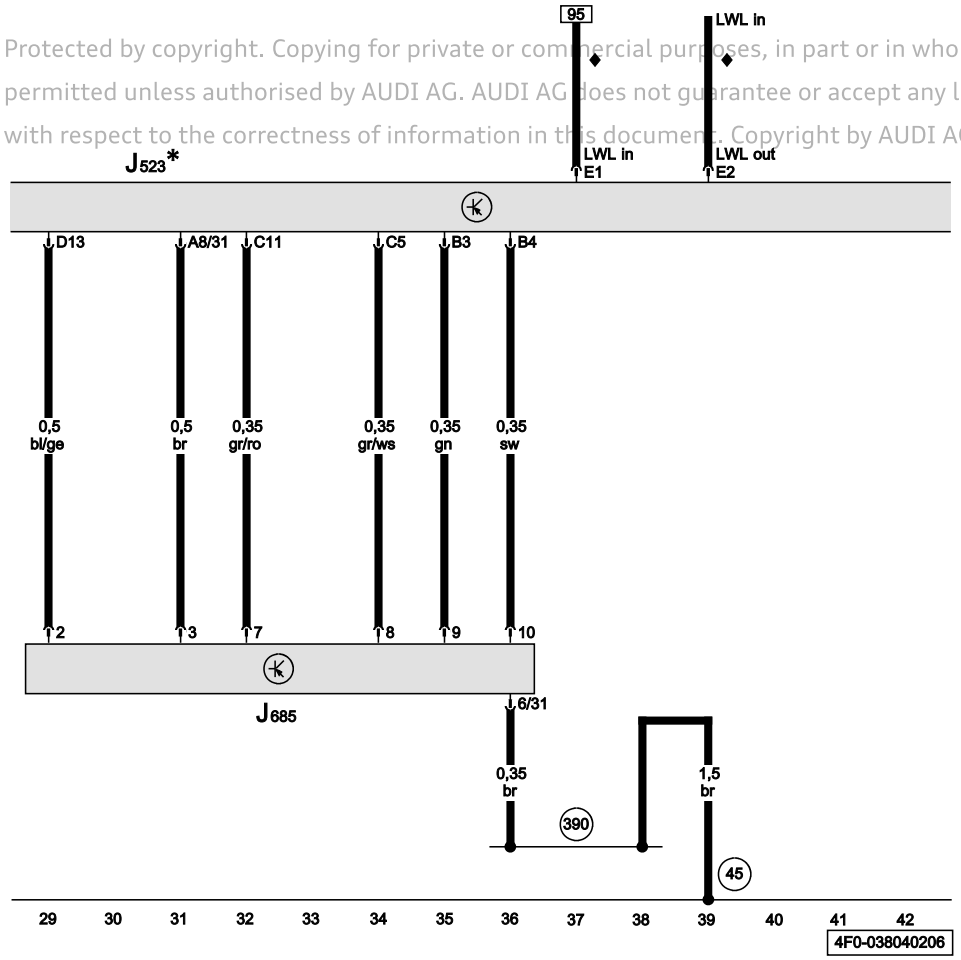
E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	in glove box
**	up to October 2005
***	from November 2005



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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523 Front information display and operating unit control unit
J685 Display unit for front information display and operating unit control unit

45 Earth point, centre behind dash panel

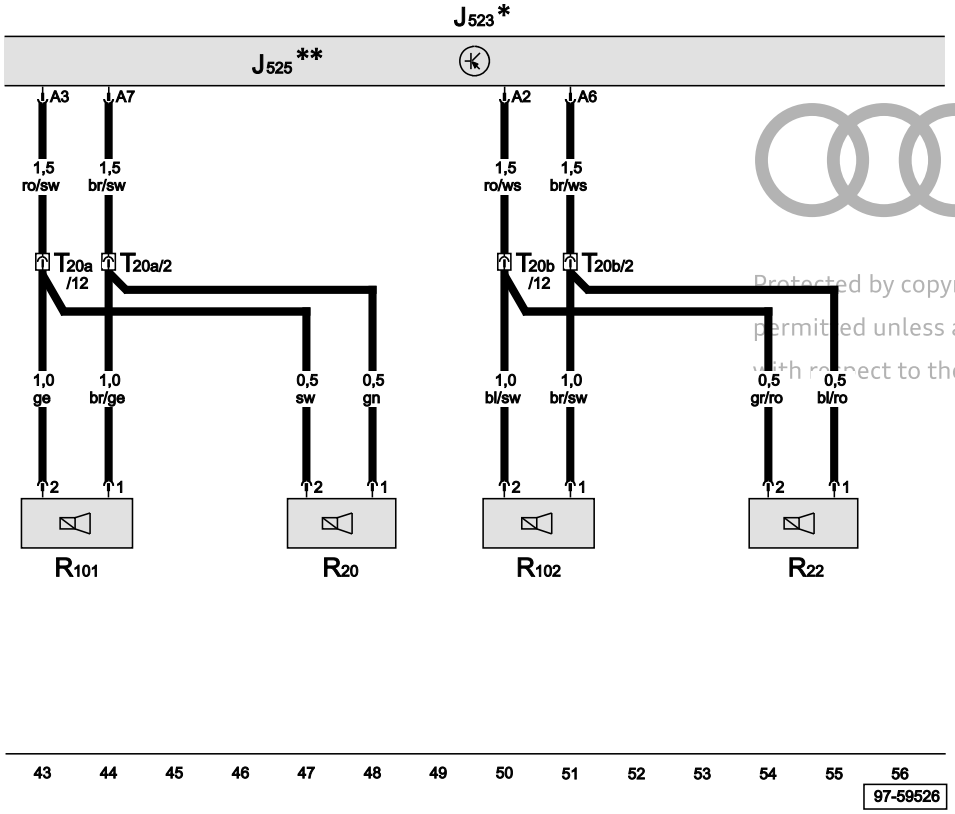
390 Earth connection 25, in main wiring harness

* in glove box
◆ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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gr = grey
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ge = yellow
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rs = pink

Front information display and operating unit control unit, front left and right mid-range and bass loudspeaker, front left and right treble loudspeaker

J523	Front information display and operating unit control unit
J525	Digital sound package control unit
R20	Front left treble loudspeaker
R22	Front right treble loudspeaker
R101	Front left mid-range and bass loudspeaker
R102	Front right mid-range and bass loudspeaker
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
*	in glove box
**	only MMI basic

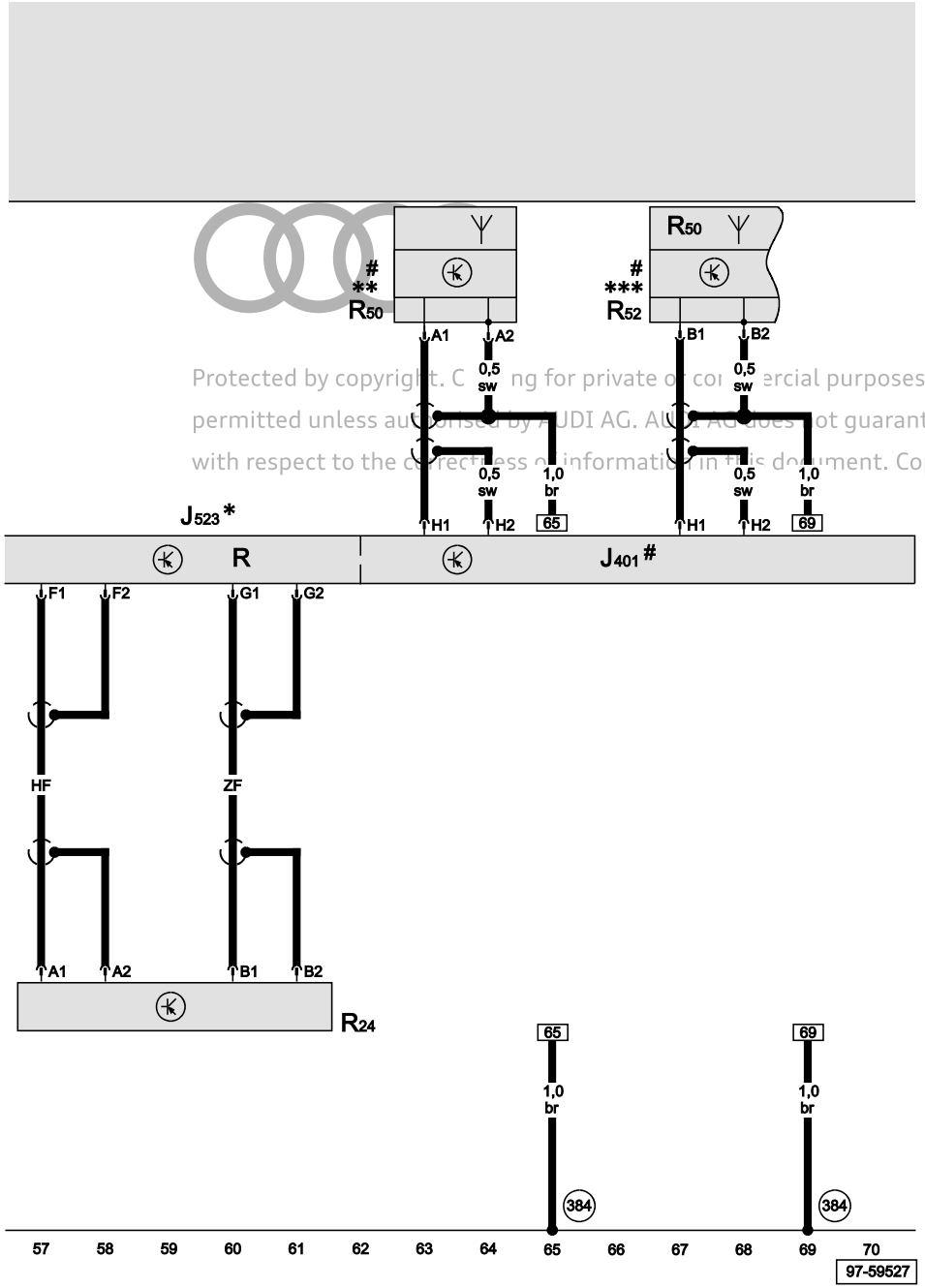


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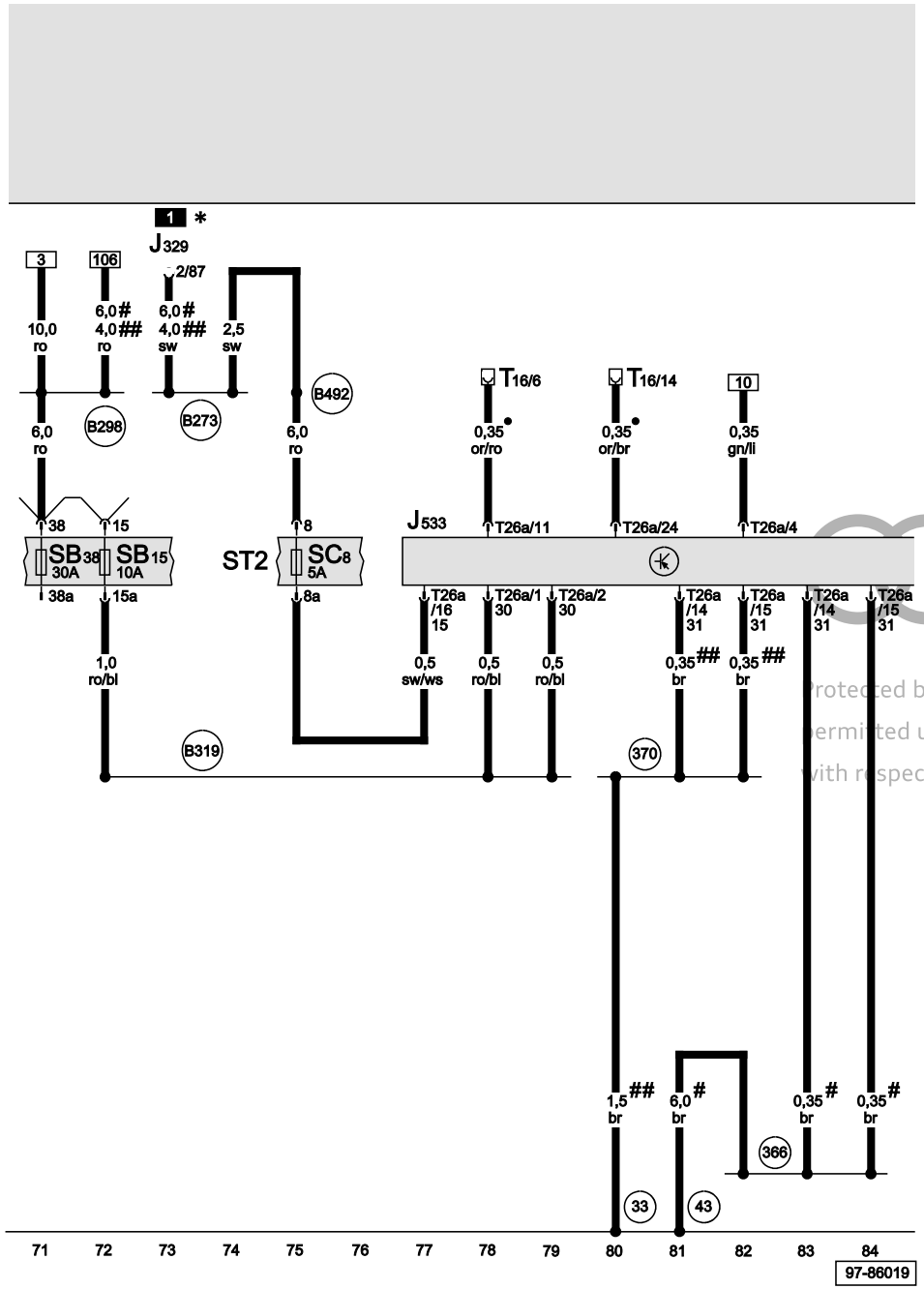
Front information display and operating unit control unit, aerial amplifier, navigation system aerial GPS, radio, telephone and navigation system aerial

J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
R	Radio
R24	Aerial amplifier
R50	Navigation system aerial GPS
R52	Radio, telephone and navigation system aerial
384	Earth connection 19, in main wiring harness
*	in glove box
**	models without telephone, under rear roof trim
***	models with telephone, roof aerial
#	MMI basic plus navigation system



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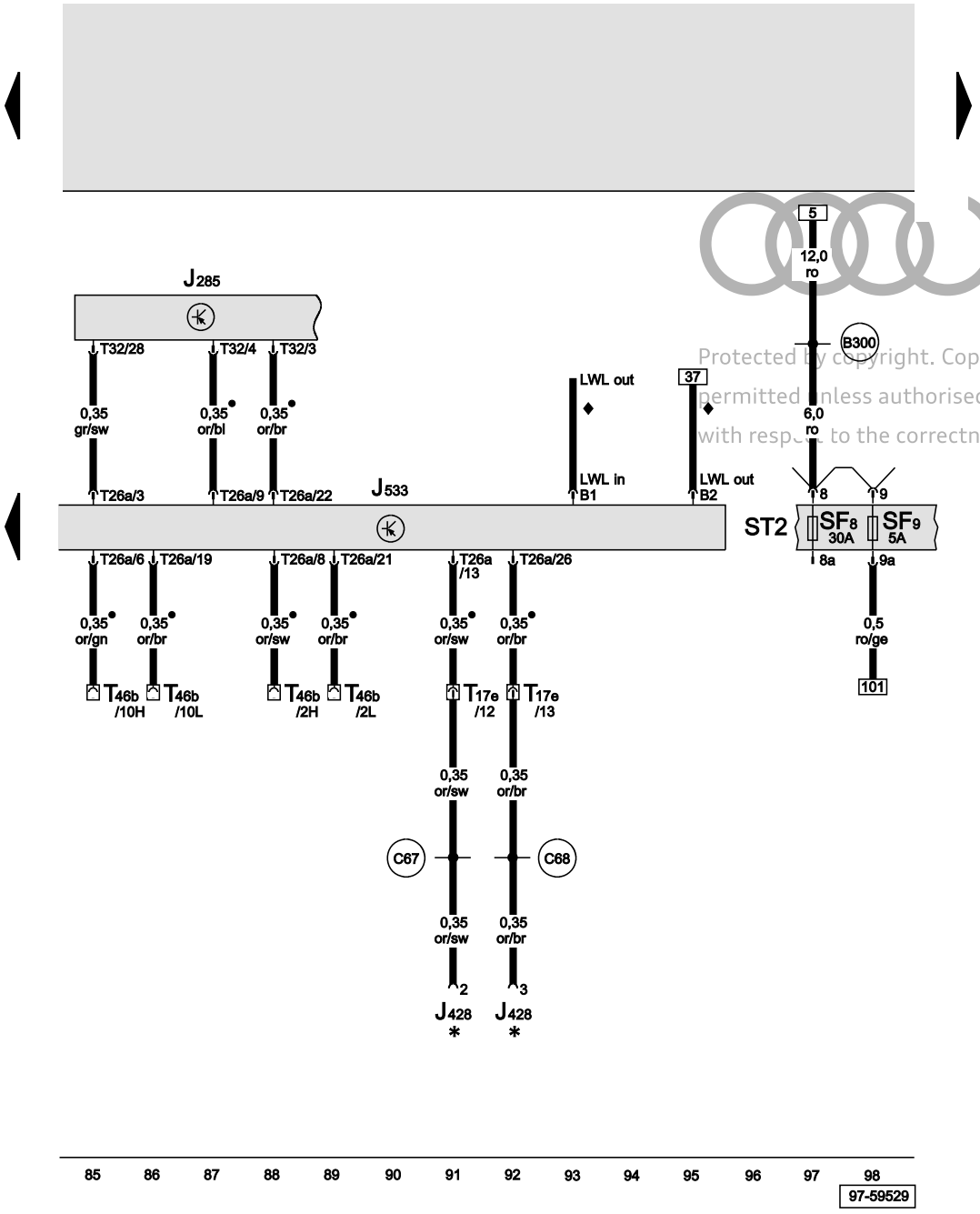


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gn = green
bl = blue
gr = grey
li = purple
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or = orange
rs = pink

Data bus diagnostic interface, fuses

J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
SB15	Fuse 15 on fuse holder
SB38	Fuse 38 on fuse holder
SC8	Fuse 8 on fuse holder
T16	16-pin connector, diagnostic connector
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
370	Earth connection 5, in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
#	up to October 2005
##	from November 2005

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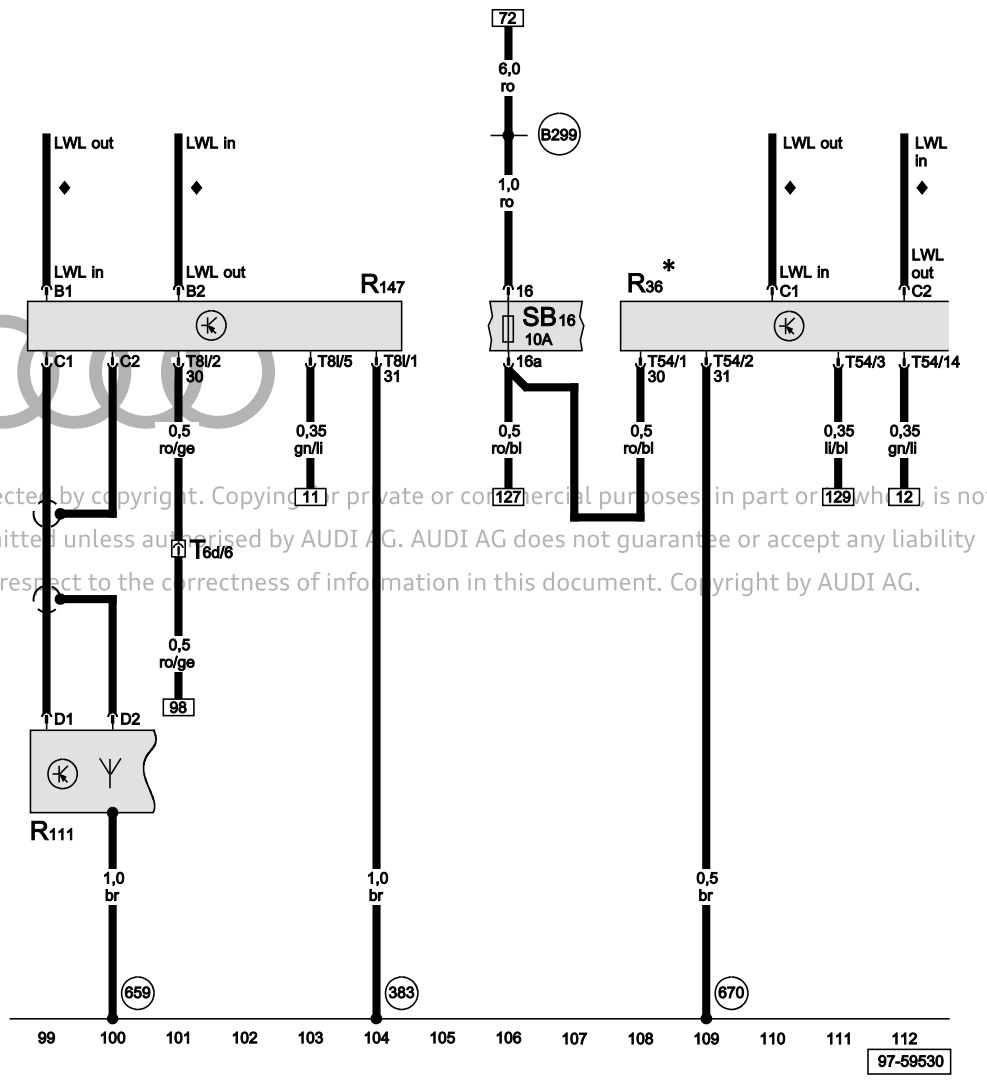


Data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J533	Data bus diagnostic interface
SF8	Fuse 8 on fuse holder
SF9	Fuse 9 on fuse holder
T17e	17-pin connector, red, coupling station on left of A-pillar
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T46b	46-pin connector, CAN separating connector right
B300	Positive connection 4 (30), in main wiring harness
C67	Connection (CAN bus, high), in headlight wiring harness
C68	Connection (CAN bus, low), in headlight wiring harness
•	CAN bus (data wire)
*	models with distance control
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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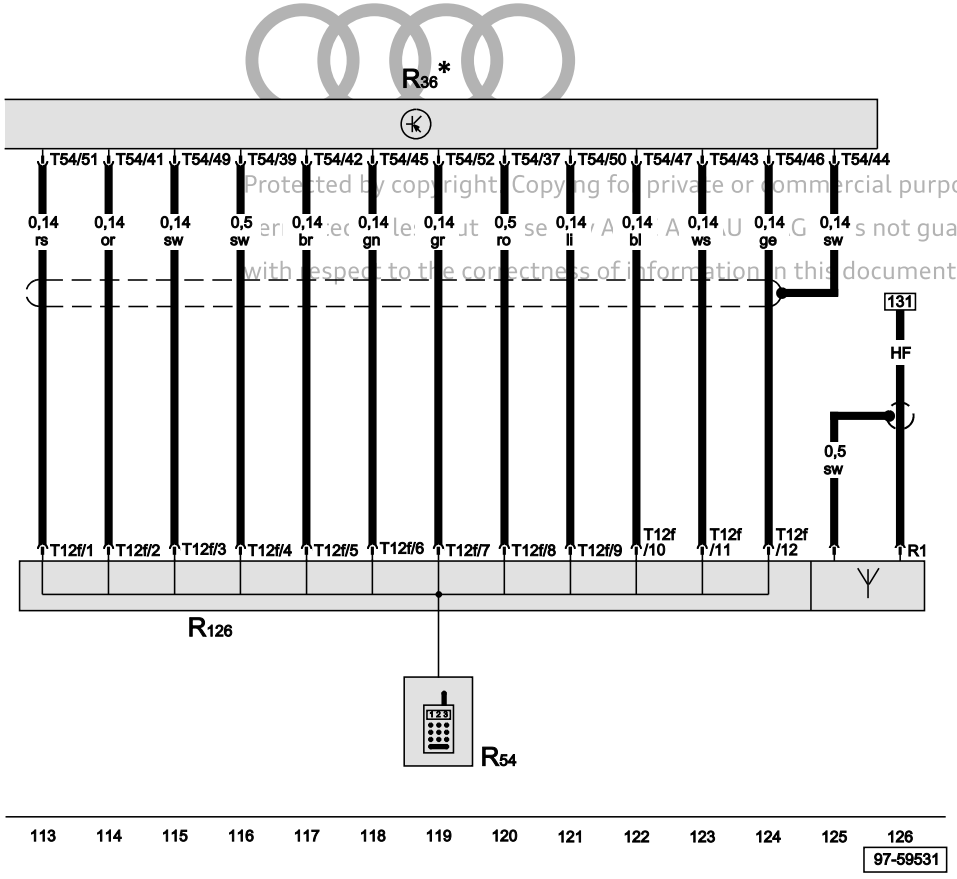
Digital radio, telephone transmitter and receiver unit, aerial amplifier 2

R36	Telephone transmitter and receiver unit
R111	Aerial amplifier 2
R147	Digital radio
SB16	Fuse 16 on fuse holder
T6d	6-pin connector, black, on left in luggage compartment
T8l	8-pin connector, black, on digital radio
T54	54-pin connector, black, on telephone transmitter and receiver unit
383	Earth connection 18, in main wiring harness
659	Earth point 1, on right near rear window
670	Earth point 2, left C-pillar
B299	Positive connection 3 (30), in main wiring harness
*	models with preparation for mobile telephone
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Telephone transmitter and receiver unit, mobile telephone

R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
T12f	12-pin connector, on mobile telephone
T54	54-pin connector, black, on telephone transmitter and receiver unit
*	models with preparation for mobile telephone

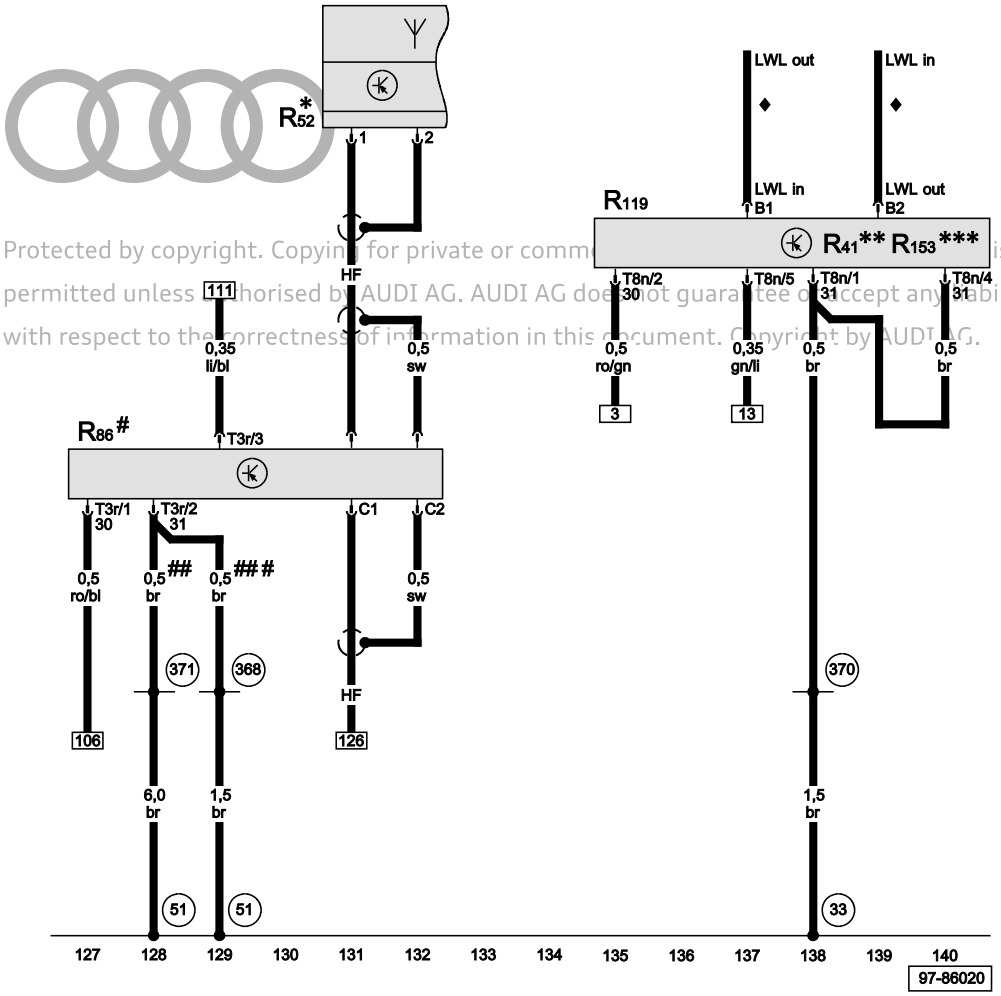


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Aerial amplifier for mobile telephone, radio, telephone and navigation system aerial, media player in position 2

R41	CD changer
R52	Radio, telephone and navigation system aerial
R86	Aerial amplifier for mobile telephone
R119	Media player in position 2
R153	MiniDisc player
T3r	3-pin connector, black, on aerial amplifier for mobile telephone
T8n	8-pin connector, black, on media player in position 2
33	Earth point, on right behind dash panel
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
*	roof aerial
**	models with CD changer
***	models with MiniDisc player
#	models with preparation for mobile telephone
##	up to October 2005
###	from November 2005
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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Headlight for gaseous discharge light (Bixenon), cornering light and automatic headlight range control

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

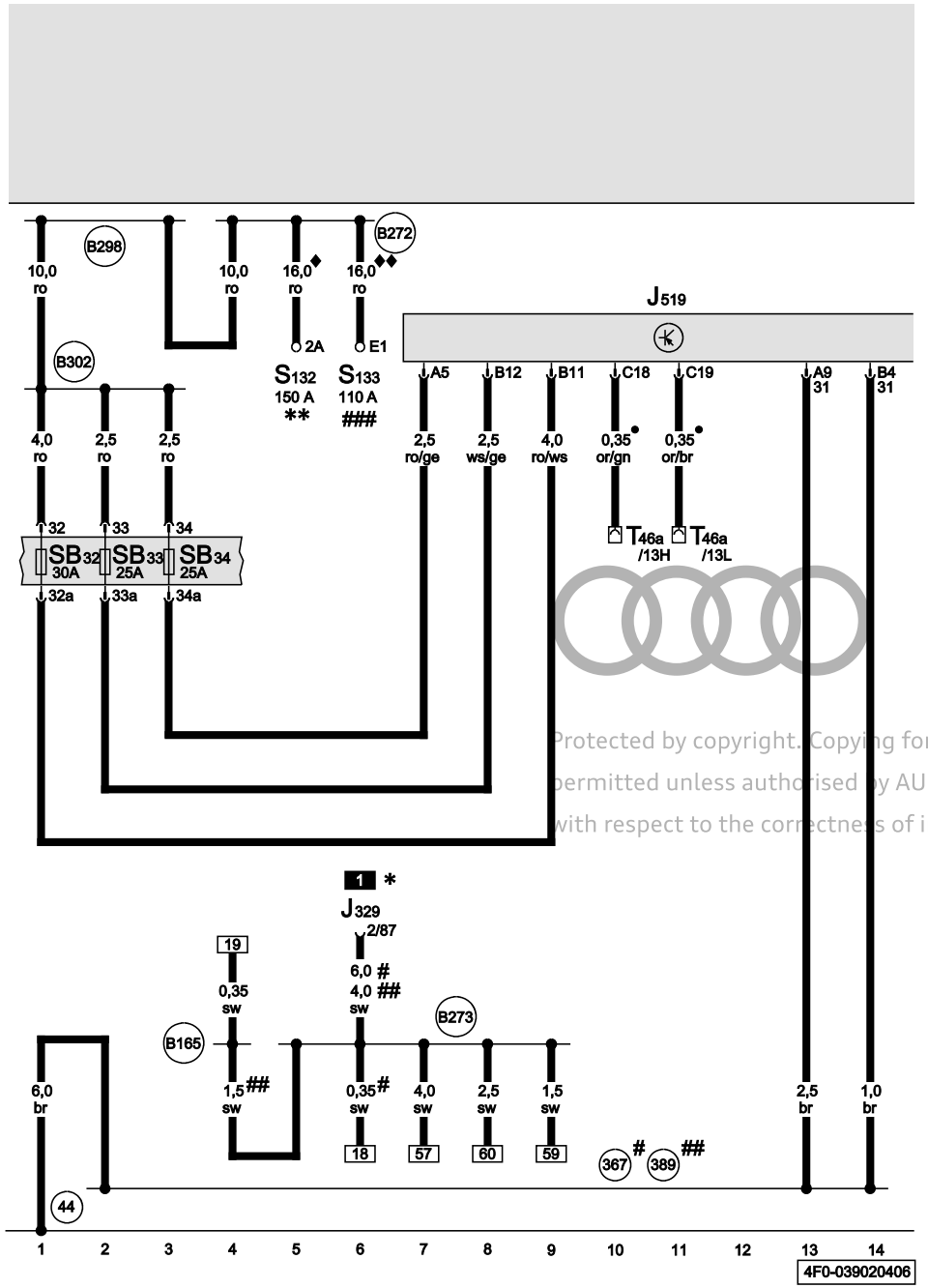
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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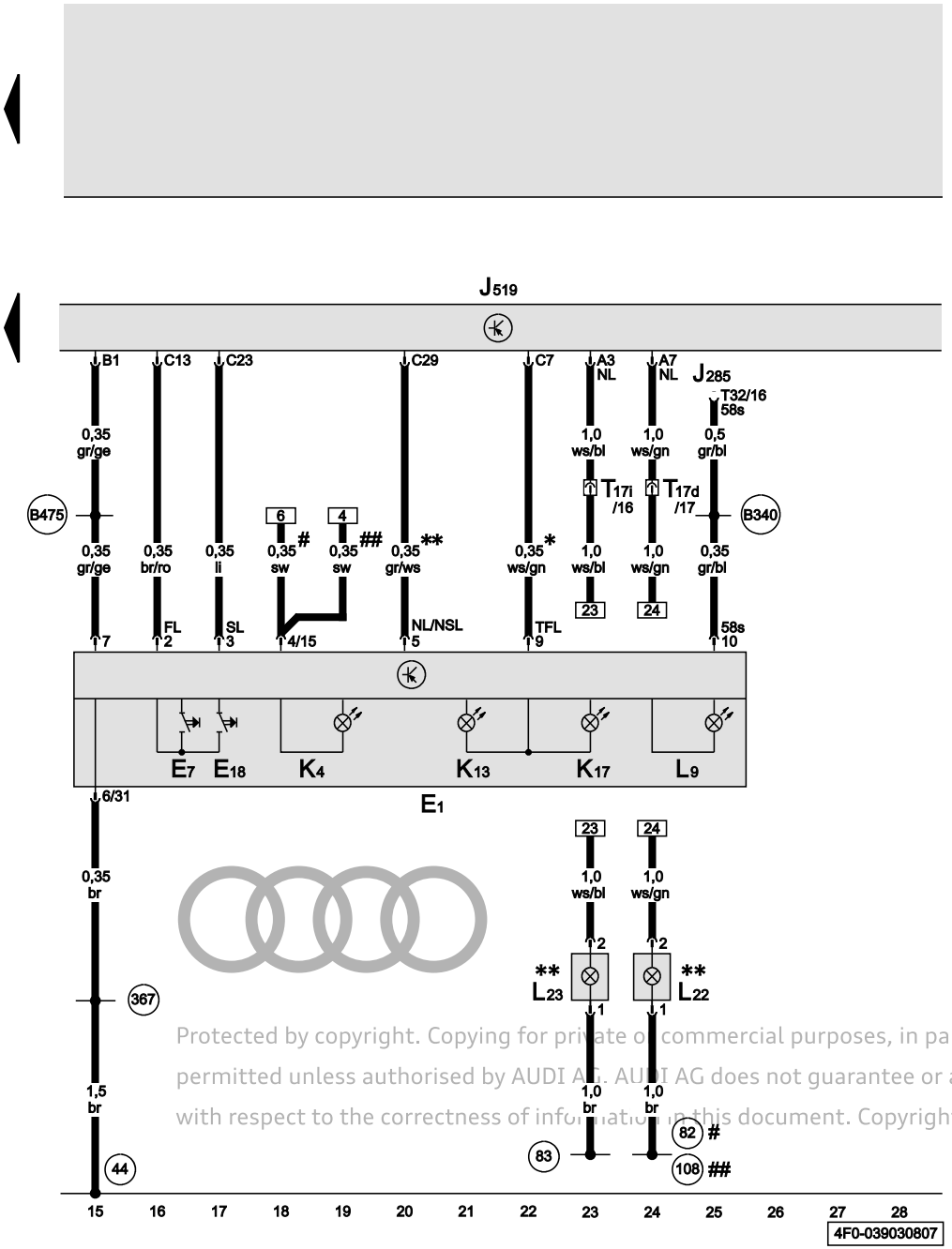


Onboard power supply control unit, fuses

J329	Terminal 15 voltage supply relay
J519	Onboard supply control unit
S132	Fuse 2
S133	Fuse 3
SB32	Fuse 32 on fuse holder
SB33	Fuse 33 on fuse holder
SB34	Fuse 34 on fuse holder
T46a	46-pin connector, CAN separating connector left
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
389	Earth connection 24, in main wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	Fuse and relay carrier right in luggage compartment
#	up to October 2005
##	from November 2005
###	main fuse box, in luggage compartment, rear right, on the battery
◆	up to model year 2006
◆◆	from model year 2007

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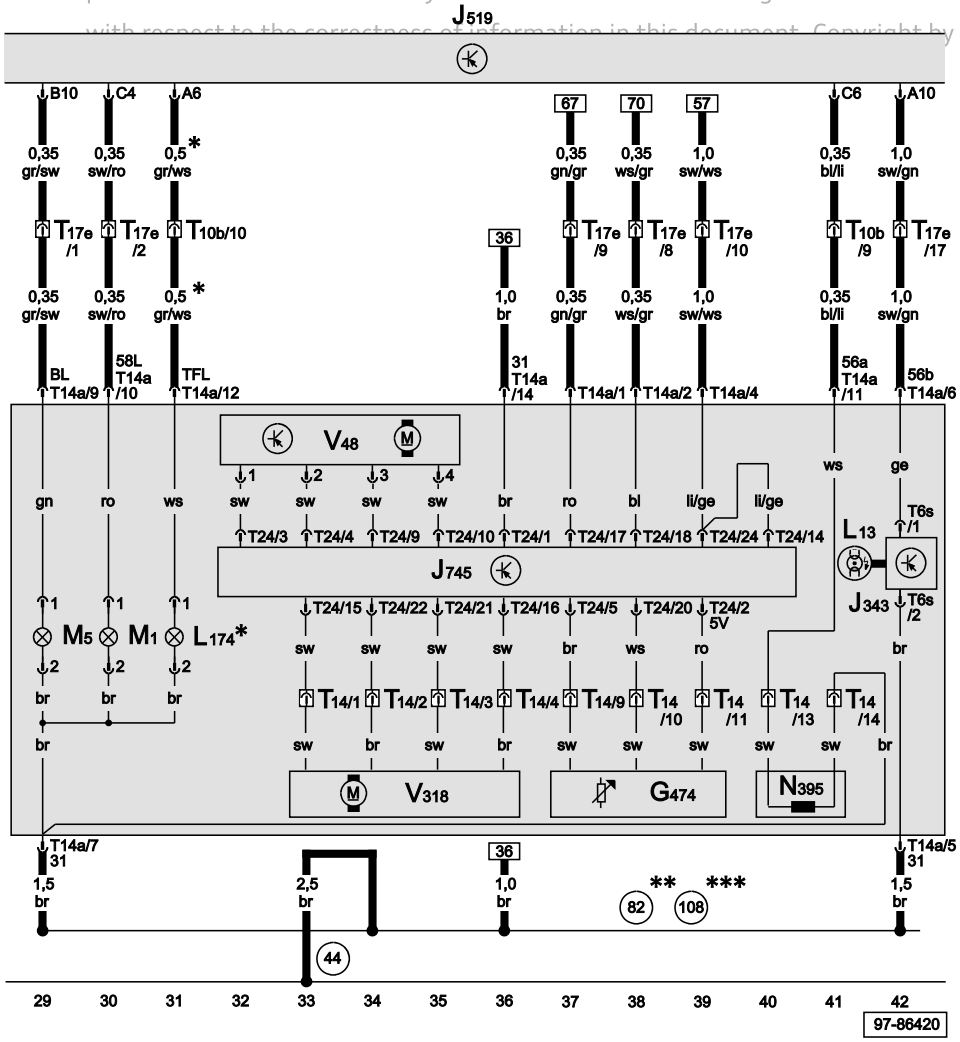
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Light switch, left fog light bulb, right fog light bulb

E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
J285	Control unit in dash panel insert
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
L22	Left fog light bulb
L23	Right fog light bulb
T17d	17-pin connector, black, coupling station on left of A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
T32	32-pin connector, grey, on dash panel insert
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
83	Earth connection 1, in front right wiring harness
108	Earth connection 2, in front left wiring harness
367	Earth connection 2, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B475	Connection 11 in main wiring harness
*	models with day driving light
**	models with fog light
#	up to October 2005
##	from November 2005

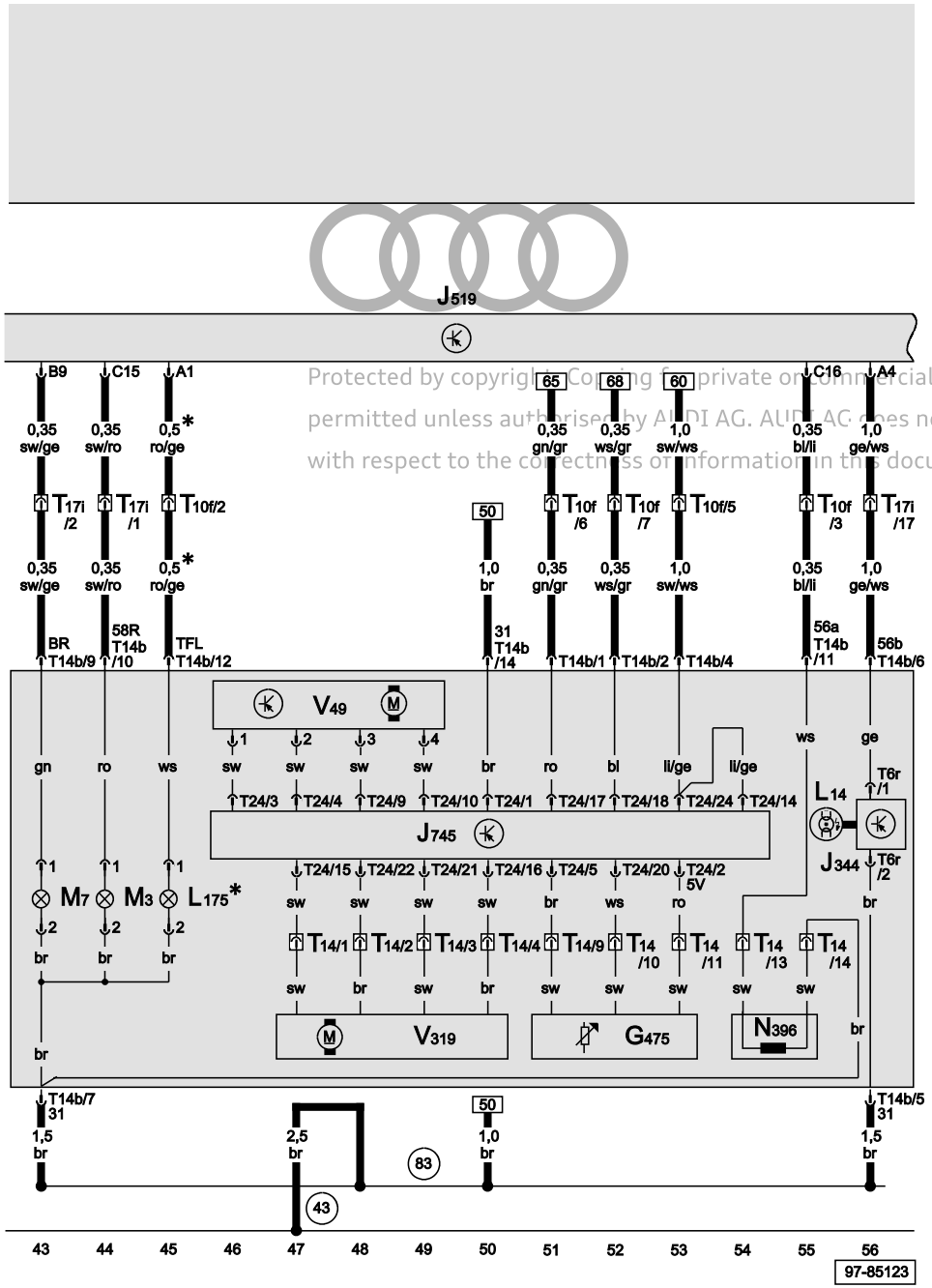
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Onboard supply control unit, cornering light and headlight range control unit

G474	Left swivel module position sensor
J343	Left gas discharge light control unit
J519	Onboard supply control unit
J745	Cornering light and headlight range control unit
L13	Left gas discharge (xenon) bulb
L174	Left day driving light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
N395	Left headlight screen adjustment solenoid
T6s	6-pin connector, black, on left gas discharge light control unit
T10b	10-pin connector, blue, coupling station on left of A-pillar
T14	14-pin connector, black, in headlight
T14a	14-pin connector, black, on left of headlight
T17e	17-pin connector, red, coupling station on left of A-pillar
T24	24-pin connector, white, on cornering light and headlight range control unit
V48	Left headlight range control motor
V318	Left dynamic cornering light control motor
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
*	models with day driving light
**	up to October 2005
***	from November 2005

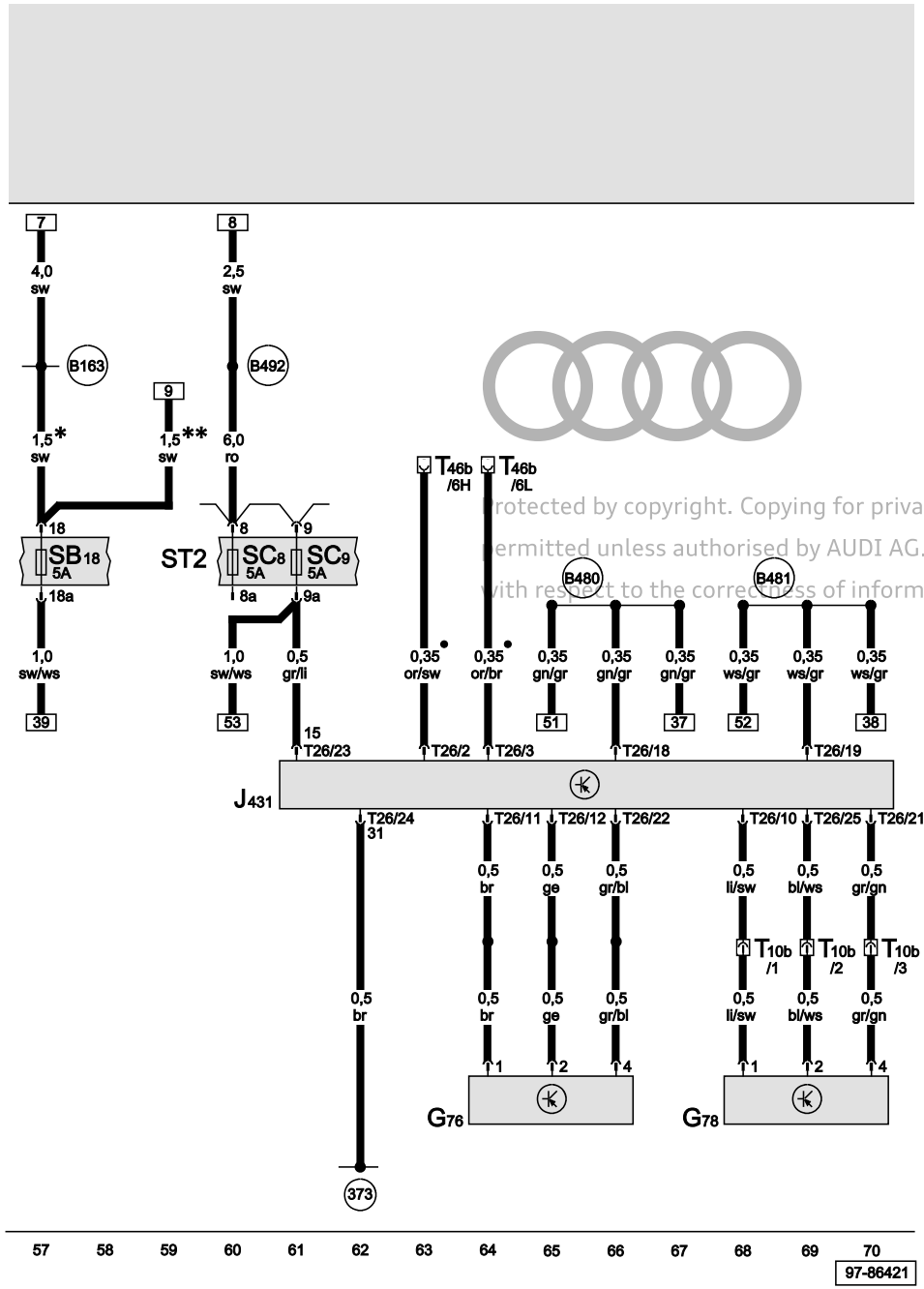


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Onboard supply control unit, cornering light and headlight range control unit

G475	Right swivel module position sensor
J344	Right gas discharge light control unit
J519	Onboard supply control unit
J745	Cornering light and headlight range control unit
L14	Right gas discharge (xenon) bulb
L175	Right day driving light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
N396	Right headlight screen adjustment solenoid
T6r	6-pin connector, black, on right gas discharge light control unit
T10f	10-pin connector, white, coupling station on right of A-pillar
T14	14-pin connector, black, in headlight
T14b	14-pin connector, black, on right of headlight
T17i	17-pin connector, red, coupling station on right of A-pillar
T24	24-pin connector, white, on cornering light and headlight range control unit
V49	Right headlight range control motor
V319	Right dynamic cornering light control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	models with day driving light

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Control unit for headlight range control, rear left vehicle level sender, front left vehicle level sender

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J431	Headlight range control, control unit
SB18	Fuse 18 on fuse holder
SC8	Fuse 8 on fuse holder
SC9	Fuse 9 on fuse holder
T10b	10-pin connector, blue, coupling station on left of A-pillar
T26	26-pin connector, black, on headlight range control, control unit
T46b	46-pin connector, CAN separating connector right
373	Earth connection 8, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B480	Connection 16 in main wiring harness
B481	Connection 17 in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005

Headlight for gaseous discharge light (Bixenon) and automatic headlight range control

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

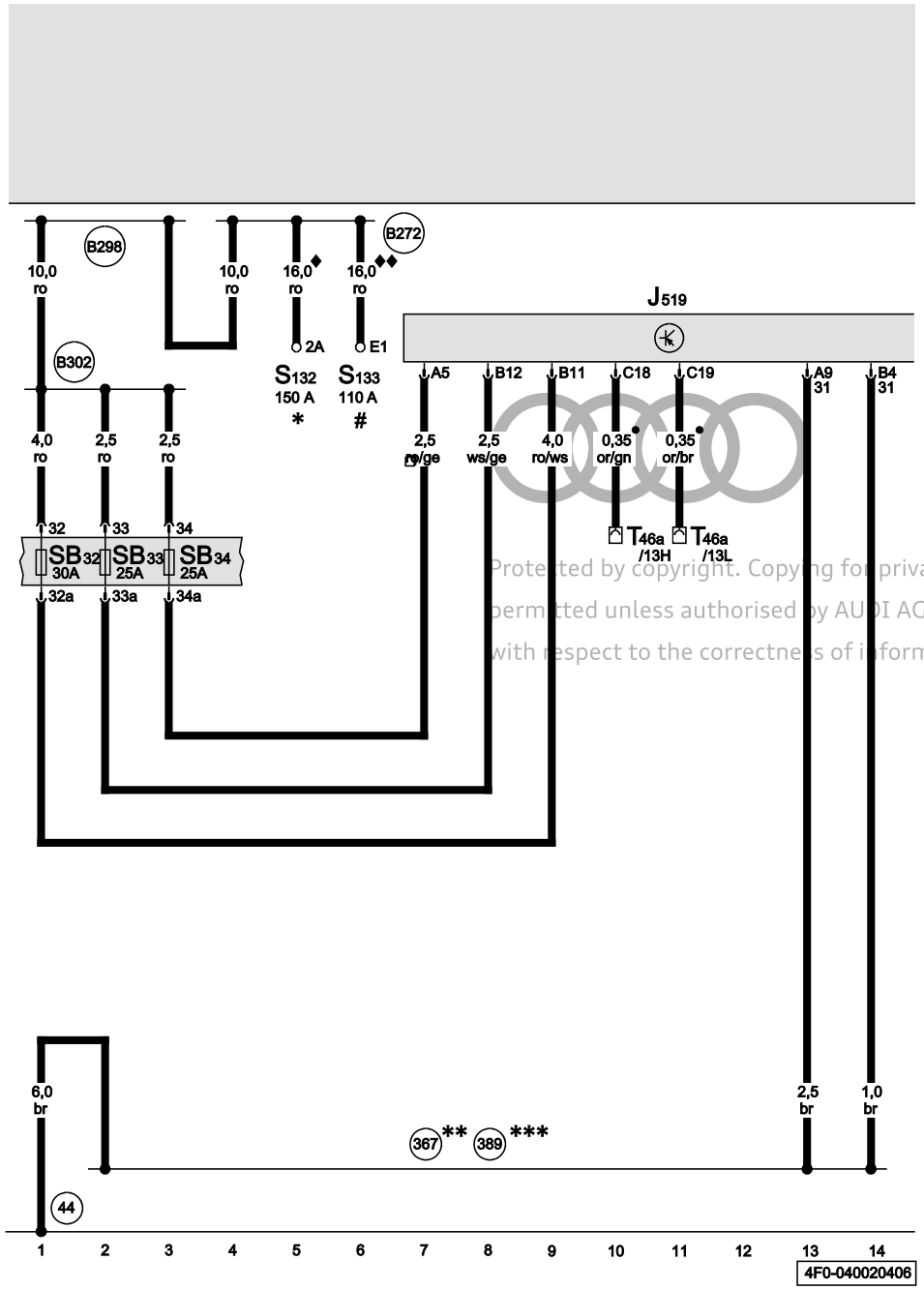
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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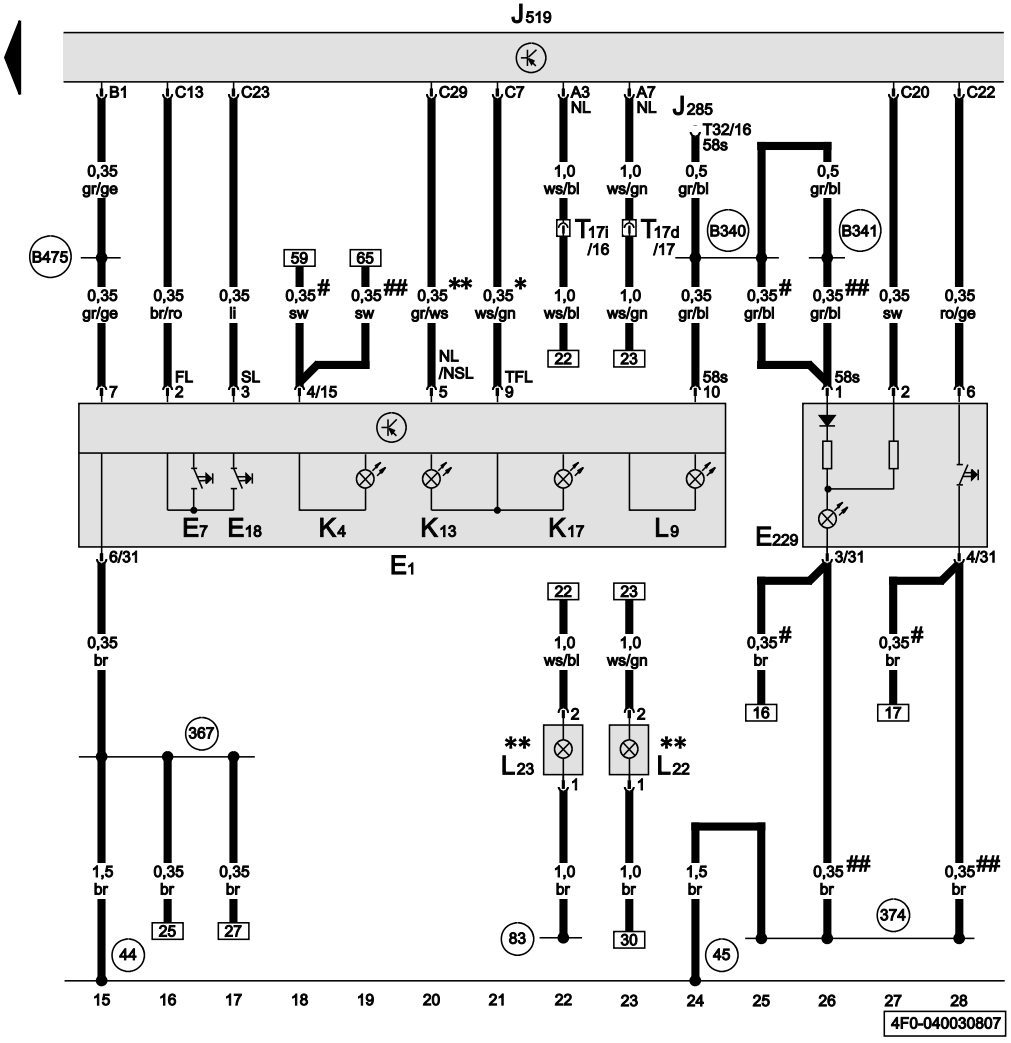
Onboard power supply control unit, fuses

J519	Onboard supply control unit
S132	Fuse 2
S133	Fuse 3
SB32	Fuse 32 in fuse holder
SB33	Fuse 33 in fuse holder
SB34	Fuse 34 in fuse holder
T46a	46-pin connector, CAN disconnector left
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
**	up to October 2005
***	from November 2005
#	main fuse box, in luggage compartment, rear right, on the battery
◆	up to model year 2006
◆◆	from model year 2007

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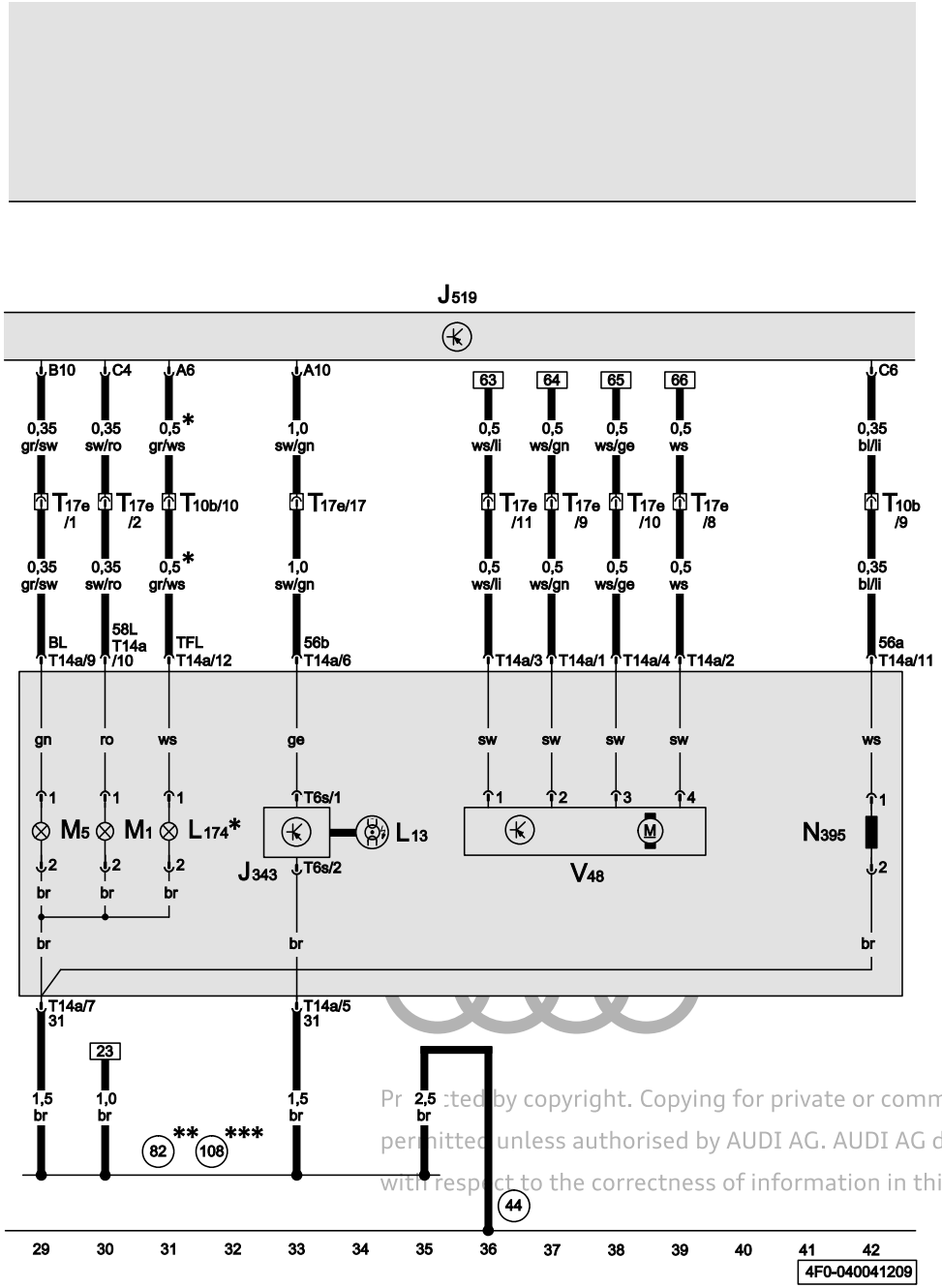


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Light switch, hazard warning lights button, left fog light bulb, right fog light bulb

E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
E229	Hazard warning lights button
J285	Control unit in dash panel insert
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
L22	Left fog light bulb
L23	Right fog light bulb
T17d	17-pin connector, black, coupling station on left A-pillar
T17i	17-pin connector, red, coupling station on right A-pillar
T32	32-pin connector, grey, on dash panel insert
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
83	Earth connection 1, in front right wiring harness
367	Earth connection 2, in main wiring harness
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B475	Connection 11, in main wiring harness

* models with day driving light
** models with fog light
up to October 2005
from November 2005



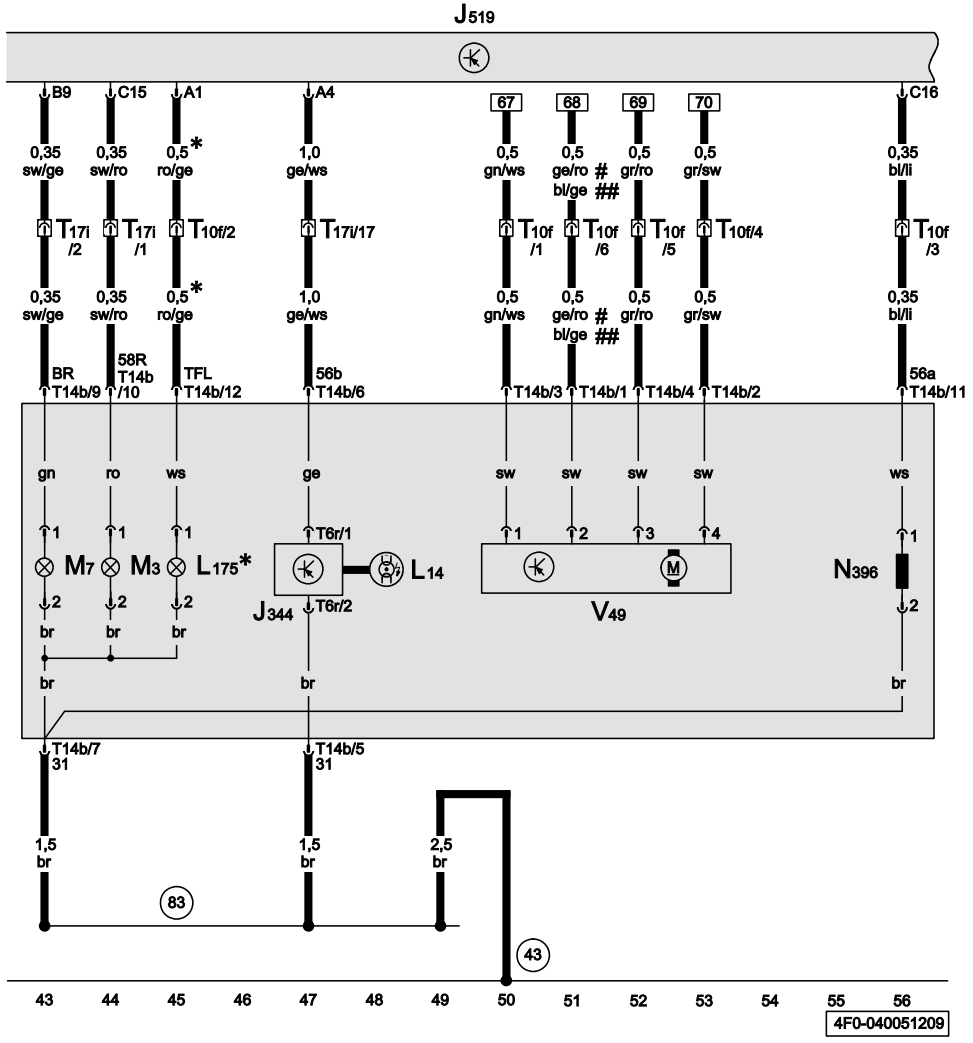
Onboard supply control unit, left gas discharge light control unit

J343	Left gas discharge light control unit
J519	Onboard supply control unit
L13	Left gas discharge (xenon) bulb
L174	Left day driving light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
N395	Left headlight screen adjustment solenoid
T6s	6-pin connector, black, on left gas discharge light control unit
T10b	10-pin connector, blue, coupling station on left A-pillar
T14a	14-pin connector, black, on left headlight
T17e	17-pin connector, red, coupling station on left A-pillar
V48	Left headlight range control motor
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
*	models with day driving light
**	up to October 2005
***	from November 2005

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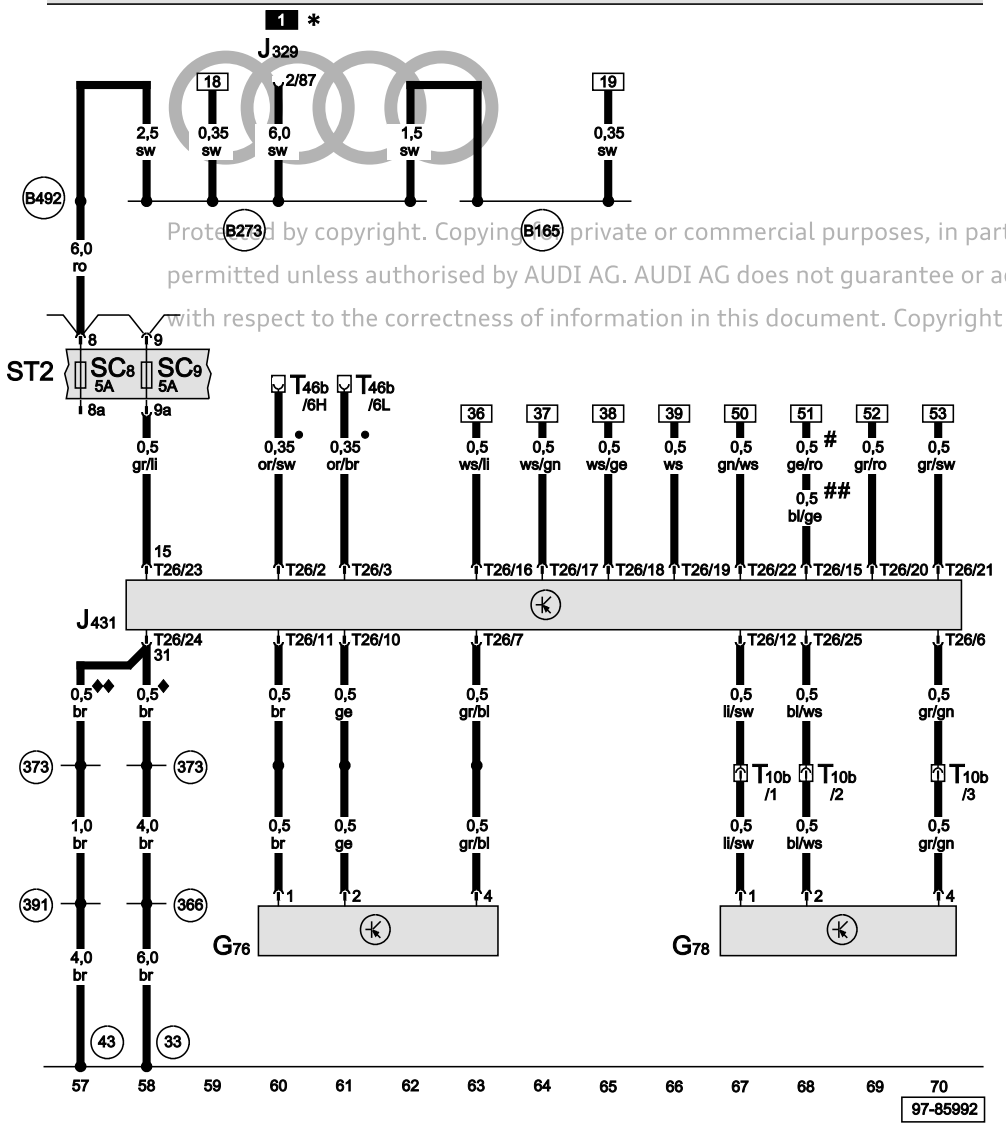
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Onboard supply control unit, right gas discharge light control unit

J344	Right gas discharge light control unit
J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L175	Right day driving light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
N396	Right headlight screen adjustment solenoid
T6r	6-pin connector, black, on right gas discharge light control unit
T10f	10-pin connector, white, coupling station on right A-pillar
T14b	14-pin connector, black, on right headlight
T17i	17-pin connector, red, coupling station on right A-pillar
V49	Right headlight range control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	models with day driving light
#	up to model year 2005
##	from model year 2006



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Control unit for headlight range control, rear left vehicle level sender, front left vehicle level sender

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J329	Terminal 15 voltage supply relay
J431	Headlight range control, control unit
SC8	Fuse 8 in fuse holder
SC9	Fuse 9 in fuse holder
T10b	10-pin connector, blue, coupling station on left A-pillar
T26	26-pin connector, black, on headlight range control, control unit
T46b	46-pin connector, CAN disconnector right
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
#	up to model year 2005
##	from model year 2006
◆	up to October 2005
◆◆	from November 2005

Electric seat adjustment with memory driver seat

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

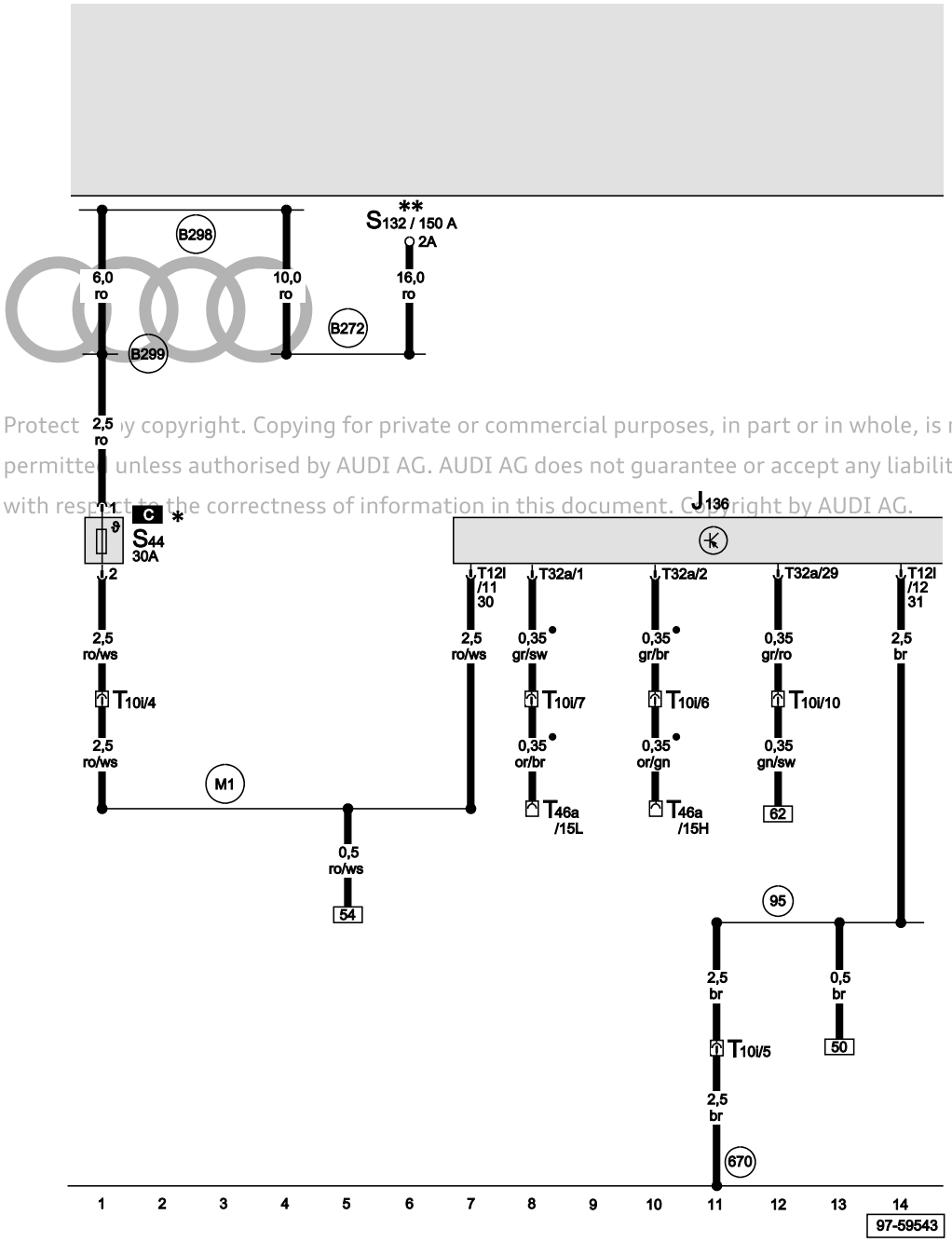
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Seat and steering column adjustment control unit with memory, driver seat adjustment thermal fuse 1

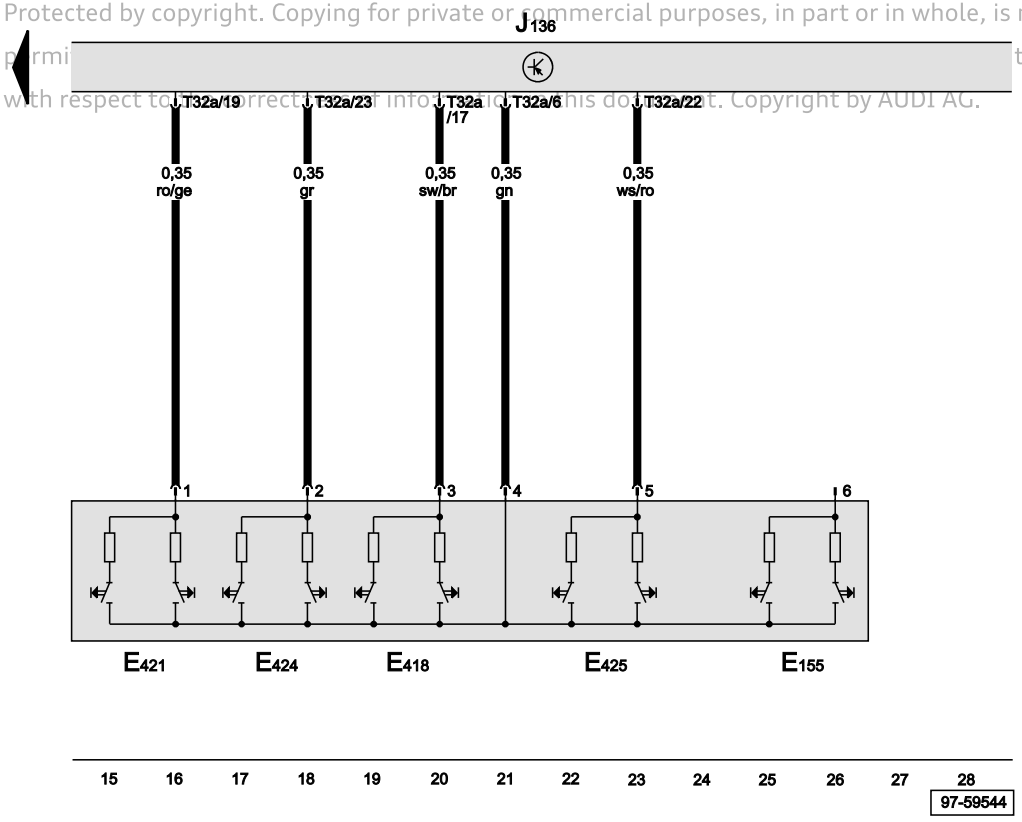
J136	Seat and steering column adjustment control unit with memory
S44	Driver seat adjustment thermal fuse 1
S132	Fuse 2
T10i	10-pin connector, red, on left of seat cross member
T12l	12-pin connector, on seat adjustment with memory control unit
T32a	32-pin connector, on seat adjustment with memory control unit
T46a	46-pin connector, CAN separating connector left
95	Earth connection 1, in seat adjuster wiring harness
670	Earth point 2, left A-pillar
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
M1	Positive connection 1 (30), in seat adjustment wiring harness
•	CAN bus (data wire)
*	fuses on bottom onboard supply control unit
**	Fuse and relay carrier right in luggage compartment

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

Seat and steering column adjustment control unit with memory, head restraint adjustment switch, seat longitudinal adjustment button, rake adjustment button, seat height adjustment button, backrest adjustment button

E155 Head restraint adjustment switch
E418 Seat longitudinal adjustment button
E421 Rake adjustment button
E424 Seat height adjustment button
E425 Backrest adjustment button
J136 Seat and steering column adjustment control unit with memory
T32a 32-pin connector, on seat adjustment with memory control unit

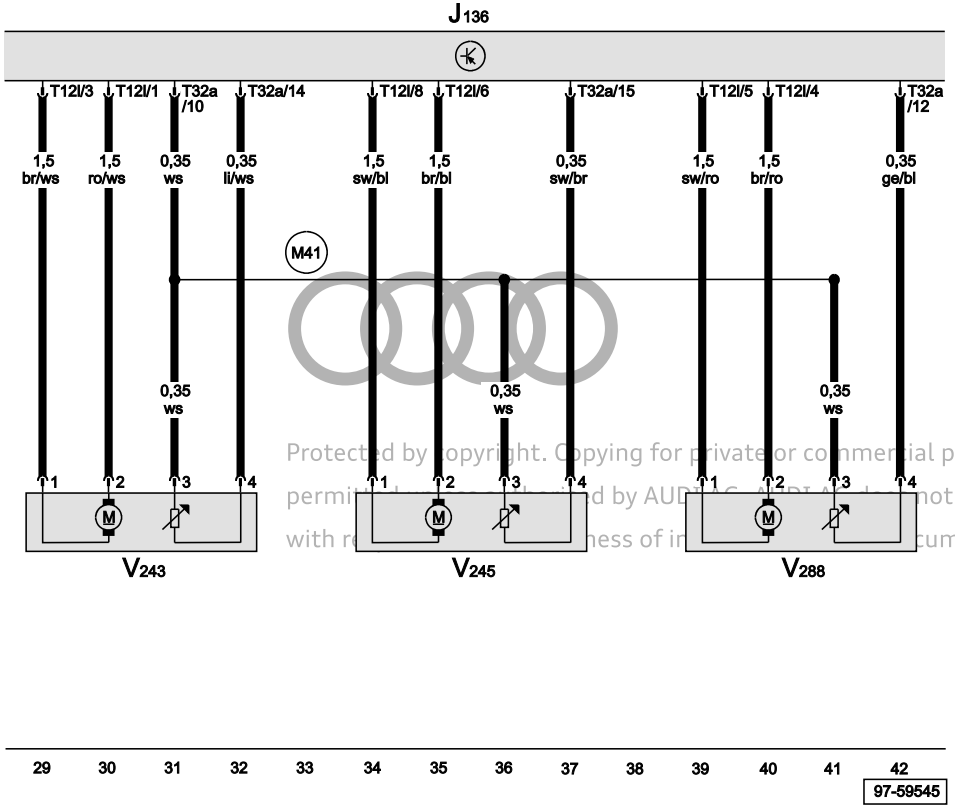
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Seat and steering column adjustment control unit with memory, driver seat rake adjustment motor, driver seat height adjustment motor, seat longitudinal adjustment motor

J136	Seat and steering column adjustment control unit with memory
T12l	12-pin connector, on seat adjustment with memory control unit
T32a	32-pin connector, on seat adjustment with memory control unit
V243	Driver seat rake adjustment motor
V245	Driver seat height adjustment motor
V288	Seat longitudinal adjustment motor
M41	Connection 1, in driver seat wiring harness

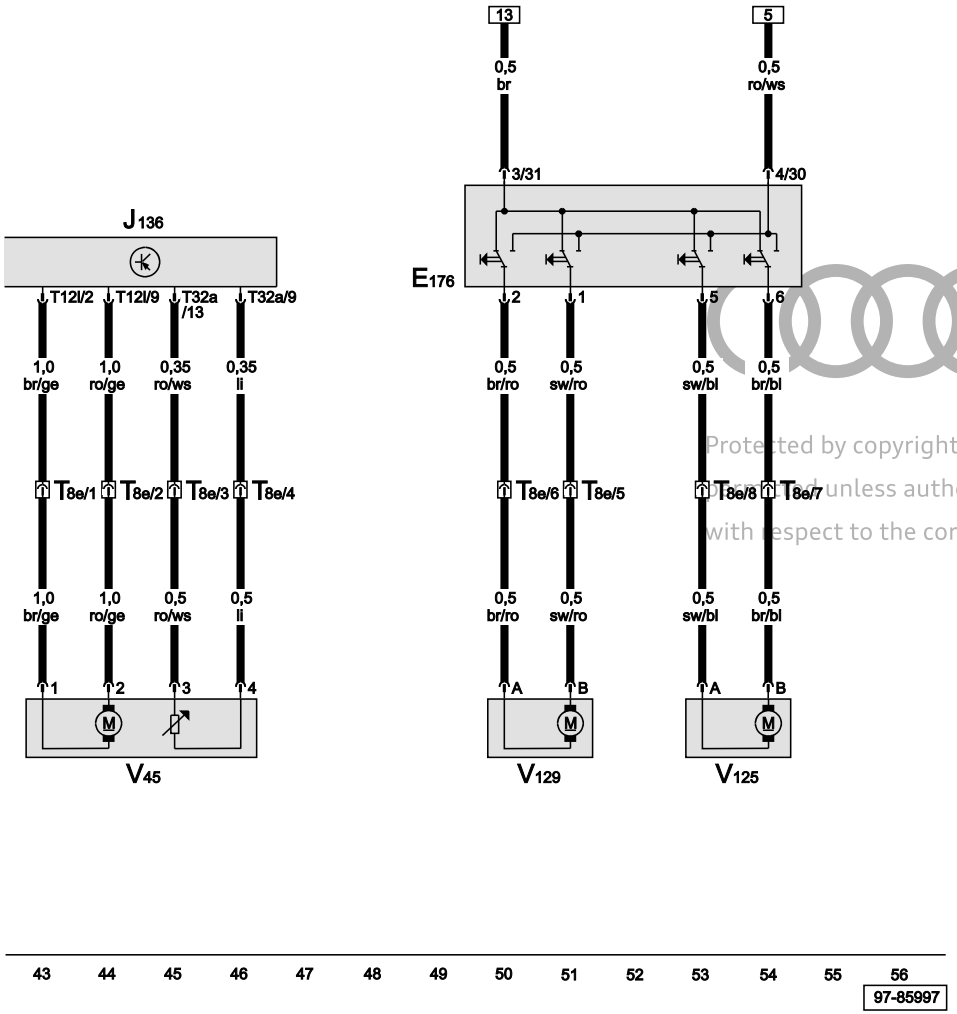


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Seat and steering column adjustment control unit with memory, driver seat lumbar support adjustment switch, driver seat backrest adjustment motor, driver seat lumbar support longitudinal adjustment motor, driver seat lumbar support height adjustment motor

E176	Driver seat lumbar support adjustment switch
J136	Seat and steering column adjustment control unit with memory function
T8e	8-pin connector, in driver seat
T12l	12-pin connector, on seat adjustment with memory control unit
T32a	32-pin connector, on seat adjustment with memory control unit
V45	Driver seat backrest adjustment motor
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor

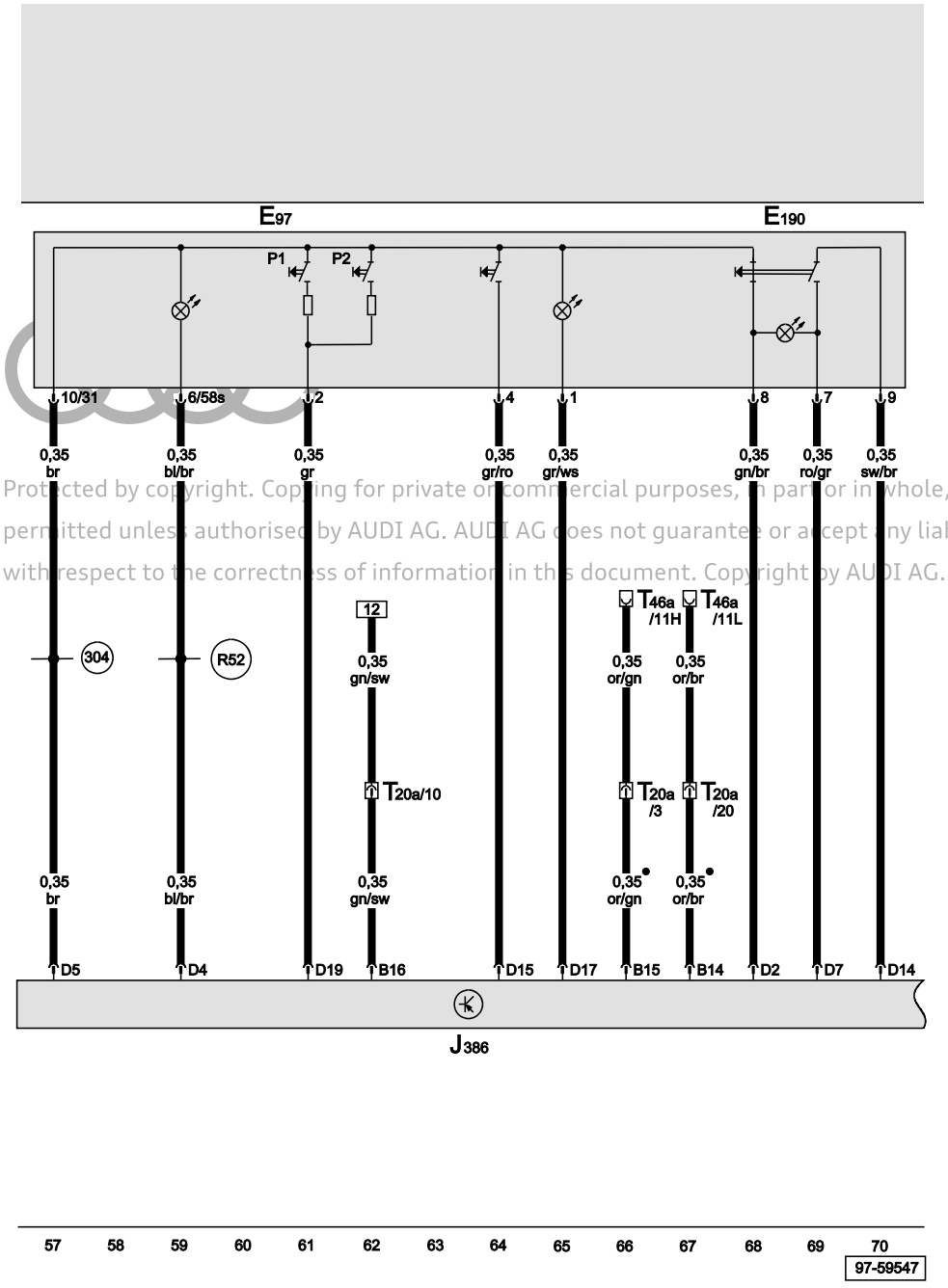


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Driver seat memory operating unit, emergency-off button, driver door control unit

E97	Driver seat memory operating unit
E190	Emergency-off button
J386	Driver side door control unit
T20a	20-pin connector, black, left A-pillar
T46a	46-pin connector, CAN separating connector left
304	Earth connection 3, in door wiring harness
R52	Connection (58s), in driver side door wiring harness
•	CAN bus (data wire)



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Electric seat adjustment with memory front passenger seat

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

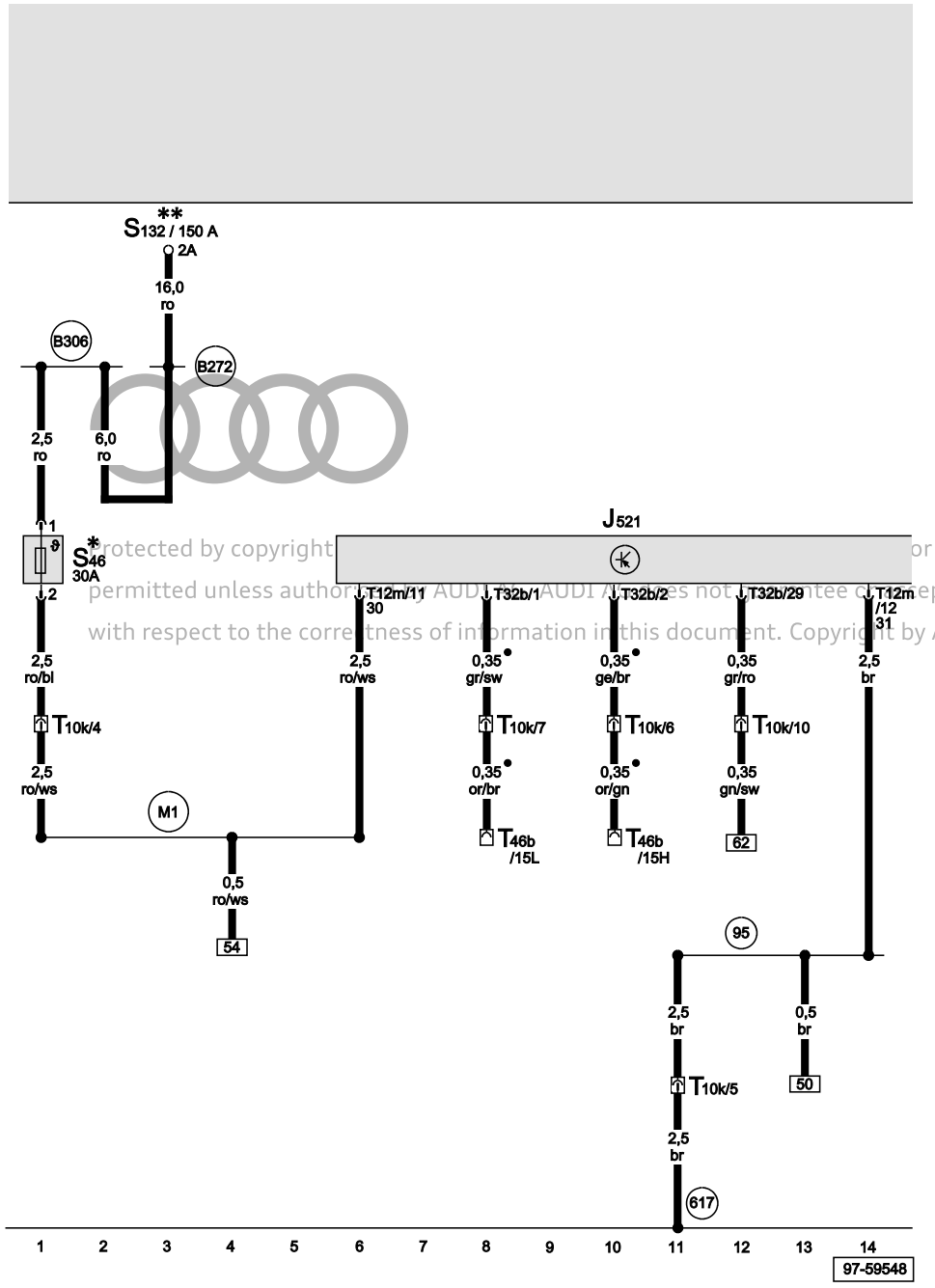
For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Front passenger seat adjustment with memory control unit, front passenger seat adjustment thermal fuse 1



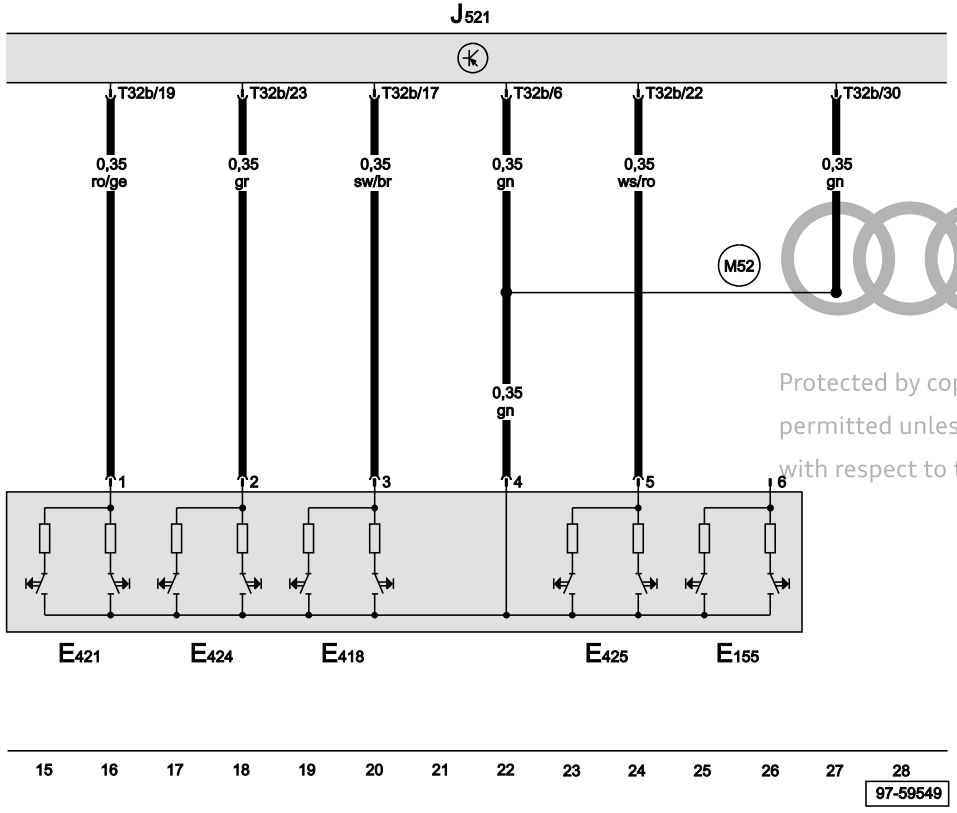
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J521	Front passenger seat adjustment with memory control unit
S46	Front passenger seat adjustment thermal fuse 1
S132	Fuse 2
T10k	10-pin connector, red, on right of seat cross member
T12m	12-pin connector, on front passenger seat adjustment with memory control unit
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
T46b	46-pin connector, CAN separating connector right
95	Earth connection 1, in seat adjuster wiring harness
617	Earth point 2, on lower part of right A-pillar
B272	Positive connection (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
M1	Positive connection 1 (30), in seat adjustment wiring harness
•	CAN bus (data wire)
*	on coupling station on right of A-pillar
**	Fuse and relay carrier right in luggage compartment

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Front passenger seat adjustment with memory control unit, rake adjustment button, seat height adjustment button, seat longitudinal adjustment button, backrest adjustment button, head restraint adjustment switch

E155	Head restraint adjustment switch
E418	Seat longitudinal adjustment button
E421	Rake adjustment button
E424	Seat height adjustment button
E425	Backrest adjustment button
J521	Front passenger seat adjustment with memory control unit
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
M52	Connection 2, in front passenger seat wiring harness

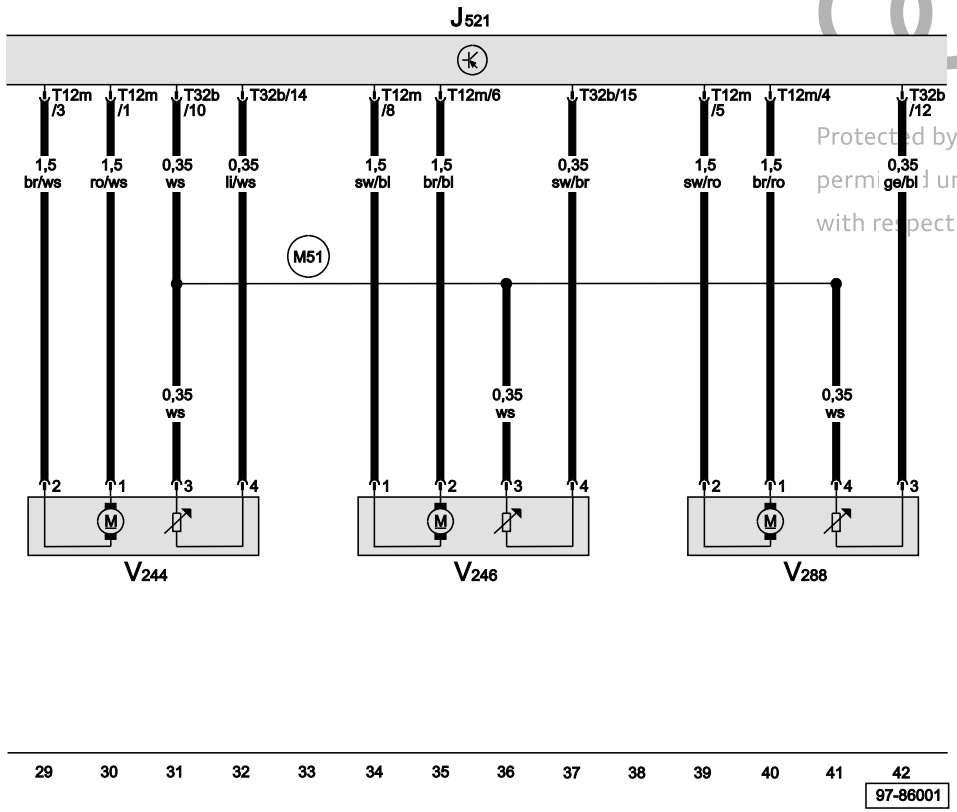


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Front passenger seat adjustment with memory control unit, front passenger seat rake adjustment motor, front passenger seat height adjustment motor, seat longitudinal adjustment motor

J521	Front passenger seat adjustment with memory control unit
T12m	12-pin connector, on front passenger seat adjustment with memory control unit
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
V244	Front passenger seat rake adjustment motor
V246	Front passenger seat height adjustment motor
V288	Seat longitudinal adjustment motor
M51	Connection 1, in front passenger seat wiring harness



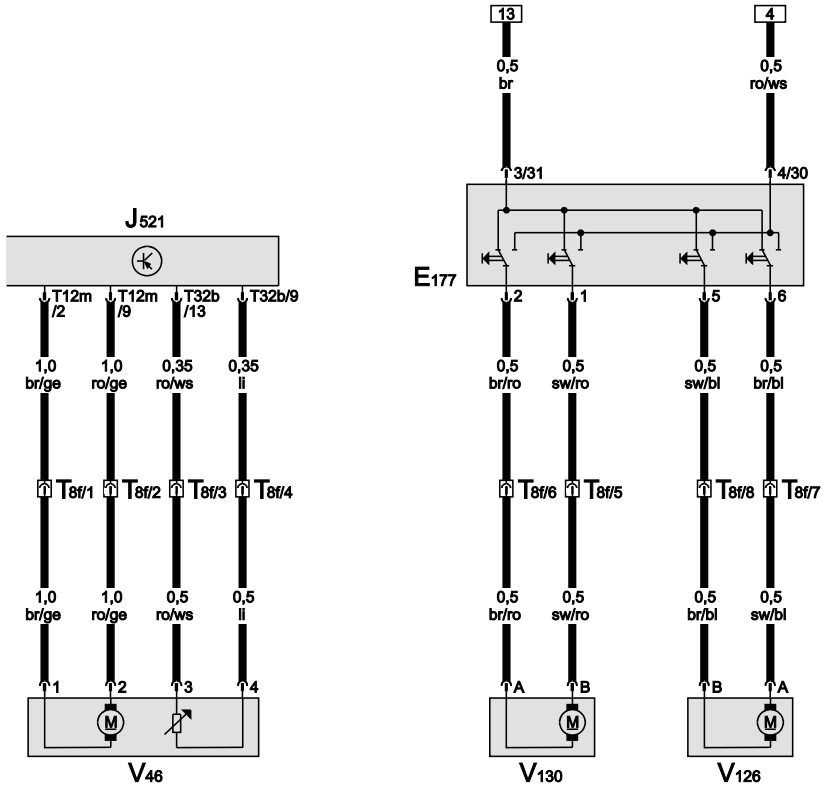
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Front passenger seat adjustment with memory control unit, front passenger seat lumbar support adjustment switch, front passenger seat adjustment motor

E177	Front passenger seat lumbar support adjustment switch
J521	Front passenger seat adjustment with memory control unit
T8f	8-pin connector, in front passenger seat
T12m	12-pin connector, on front passenger seat adjustment with memory control unit
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
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



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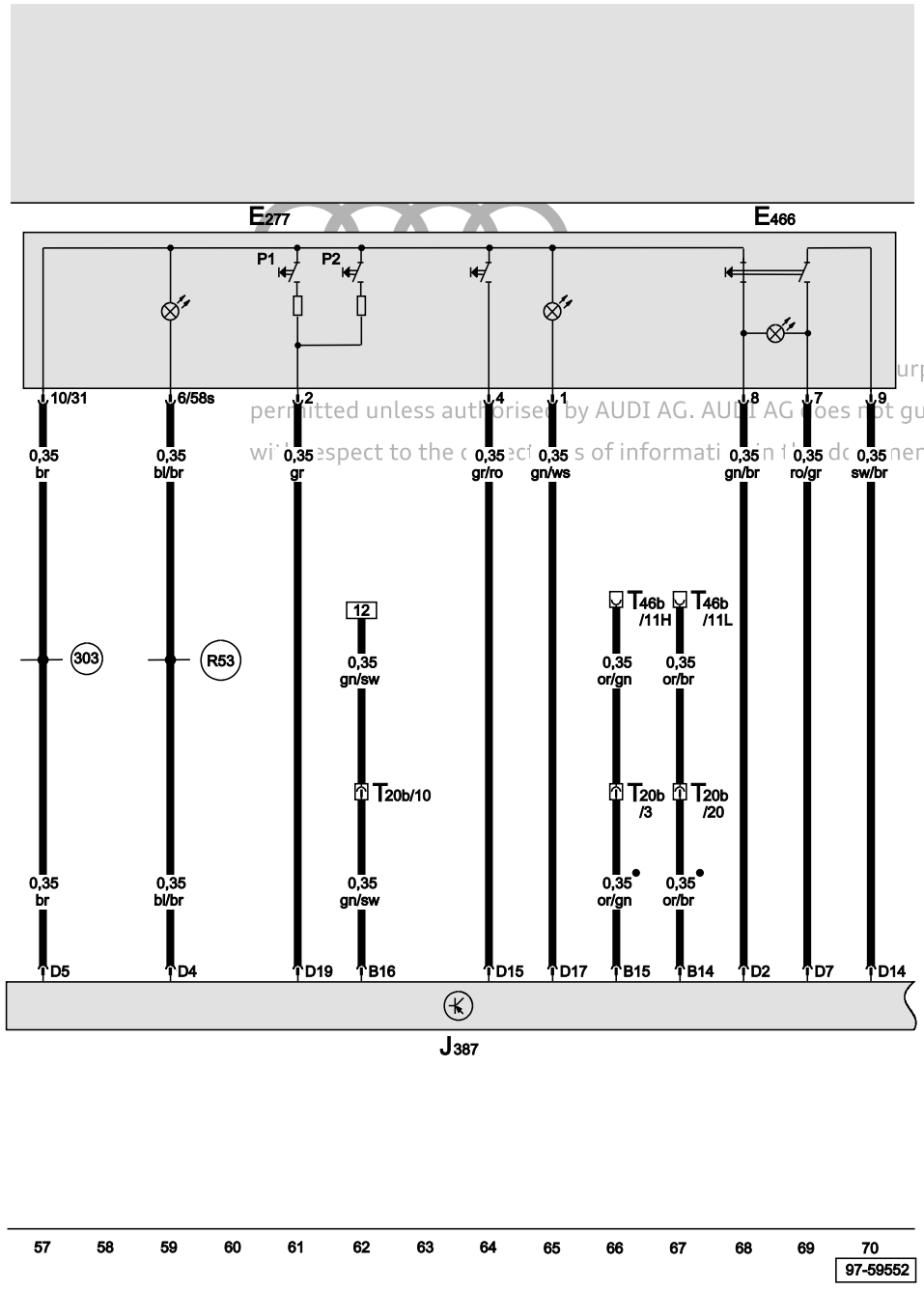
Front passenger seat memory operating unit, emergency-off button, front passenger door control unit,

E277 Front passenger seat memory operating unit
E466 Front passenger side emergency off button
J387 Front passenger door control unit
T20b 20-pin connector, black, right A-pillar
T46b 46-pin connector, CAN separating connector right

303 Earth connection 3, in door wiring harness

R53 Connection (58s), in front passenger side door wiring harness

• CAN bus (data wire)



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Electric seat adjustment without memory driver seat, front passenger seat

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

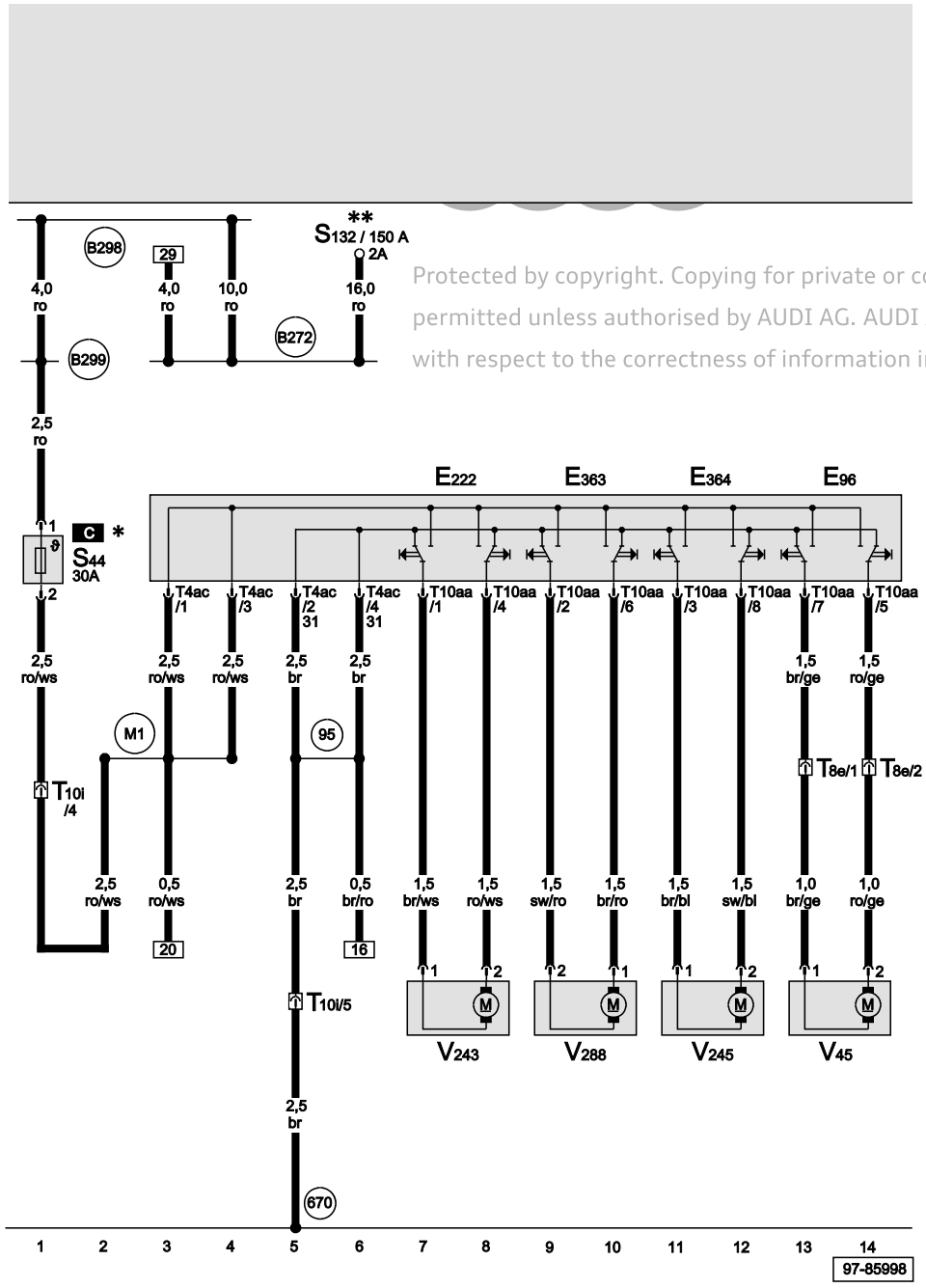
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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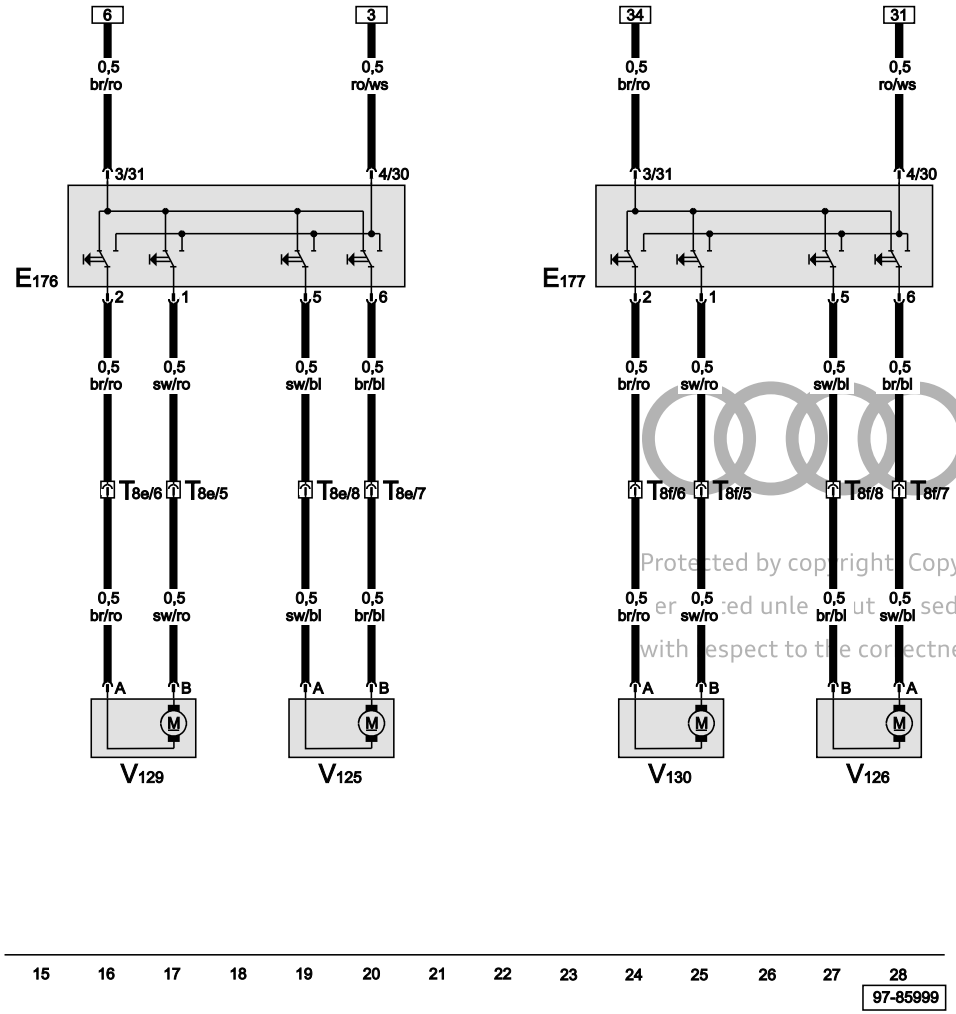
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Driver seat adjustment switch, driver seat adjustment motor, driver seat adjustment thermal fuse 1

E96	Driver seat backrest adjustment switch
E222	Driver seat rake adjustment switch
E363	Driver seat longitudinal adjustment switch
E364	Driver seat height adjustment switch
S44	Driver seat adjustment thermal fuse 1
S132	Fuse 2
T4ac	4-pin connector, on seat adjustment switch
T8e	8-pin connector, in driver seat
T10i	10-pin connector, red, on left of seat cross member
T10aa	10-pin connector, on seat adjustment switch
V45	Driver seat backrest adjustment motor
V243	Driver seat rake adjustment motor
V245	Driver seat height adjustment motor
V288	Seat longitudinal adjustment motor
95	Earth connection 1, in seat adjuster wiring harness
670	Earth point 2, left A-pillar
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
M1	Positive connection 1 (30), in seat adjustment wiring harness
*	fuses on bottom onboard supply control unit
**	Fuse and relay carrier right in luggage compartment

Driver seat lumbar support adjustment switch, front passenger seat lumbar support adjustment switch, driver seat and front passenger seat lumbar support longitudinal adjustment motor, driver seat and front passenger seat lumbar support height adjustment motor

E176	Driver seat lumbar support adjustment switch
E177	Front passenger seat lumbar support adjustment switch
T8e	8-pin connector, in driver seat
T8f	8-pin connector, in front passenger seat
V125	Driver seat lumbar support longitudinal adjustment motor
V126	Front passenger seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor
V130	Front passenger seat lumbar support height adjustment motor

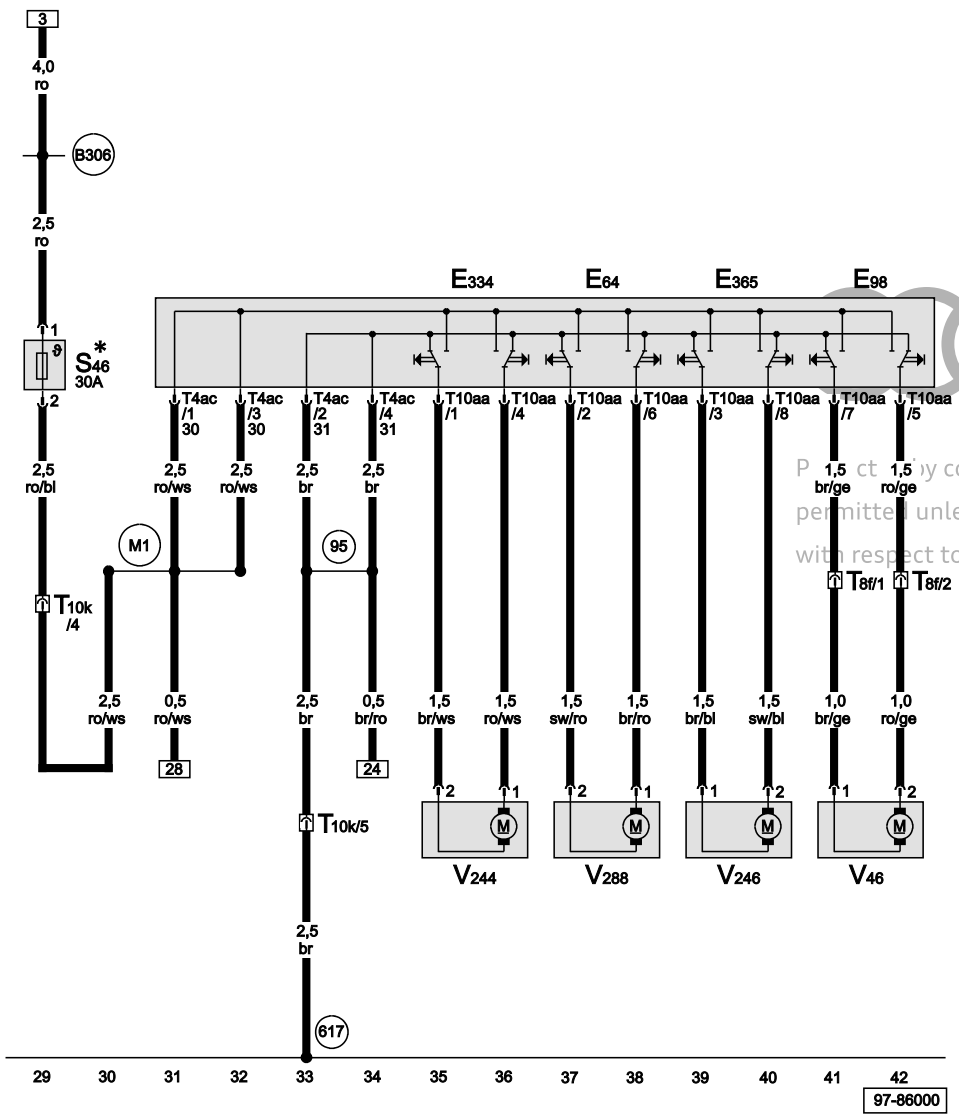


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Front passenger seat adjustment switch, front passenger seat adjustment motor, front passenger seat adjustment thermal fuse 1

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
S46	Front passenger seat adjustment thermal fuse 1
T4ac	4-pin connector, on seat adjustment switch
T8f	8-pin connector, in front passenger seat
T10k	10-pin connector, red, on right of seat cross member
T10aa	10-pin connector, on seat adjustment switch
V46	Front passenger seat backrest adjustment motor
V244	Front passenger seat rake adjustment motor
V246	Front passenger seat height adjustment motor
V288	Seat longitudinal adjustment motor
95	Earth connection 1, in seat adjuster wiring harness
617	Earth point 2, on lower part of right A-pillar
B306	Positive connection 10 (30), in main wiring harness
M1	Positive connection 1 (30), in seat adjustment wiring harness
*	on coupling station on right of A-pillar



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Driver seat, front passenger seat electric lumbar support adjustment

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

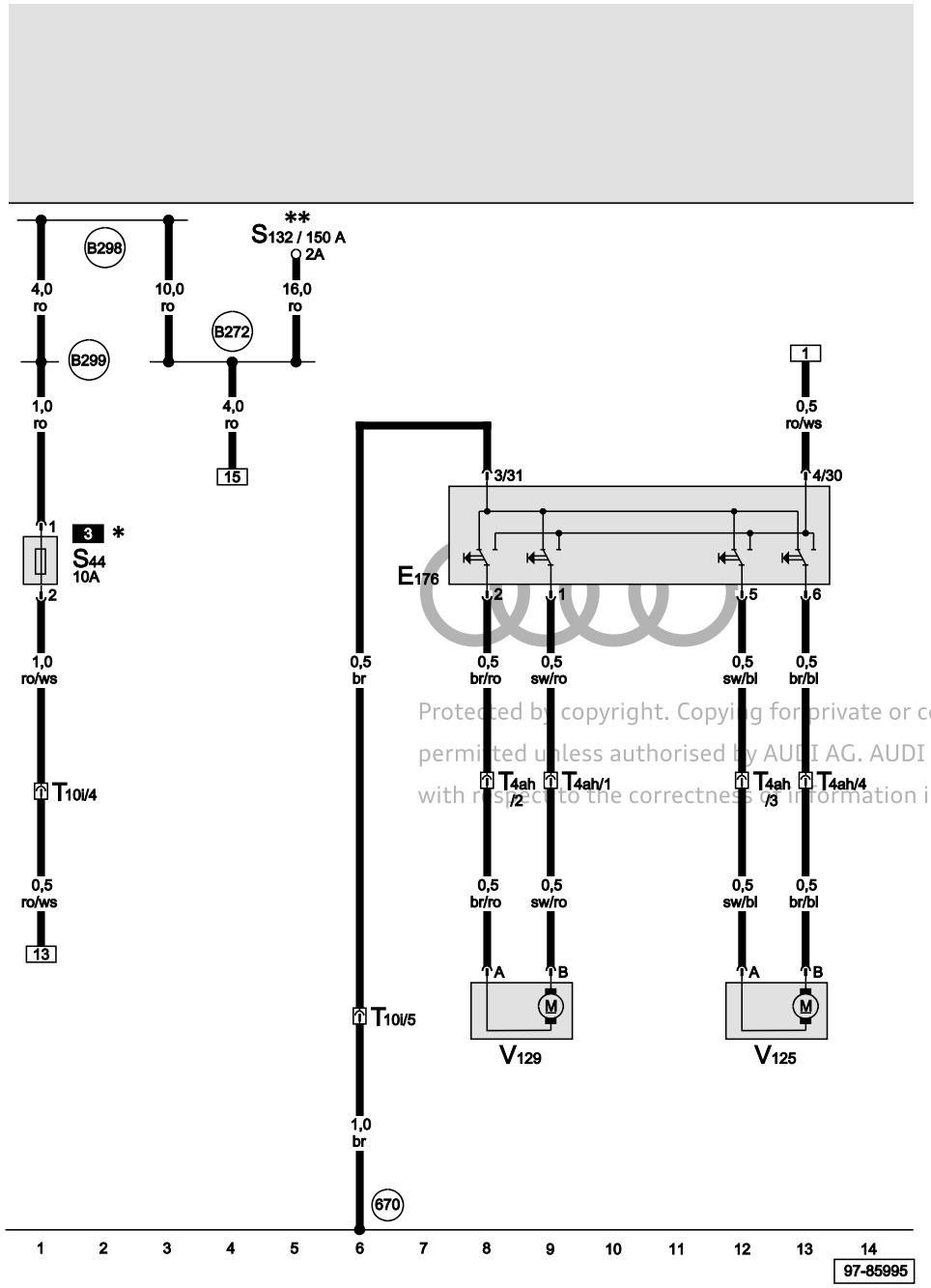
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Driver seat lumbar support adjustment switch, driver seat lumbar support longitudinal adjustment motor, driver seat lumbar support height adjustment motor

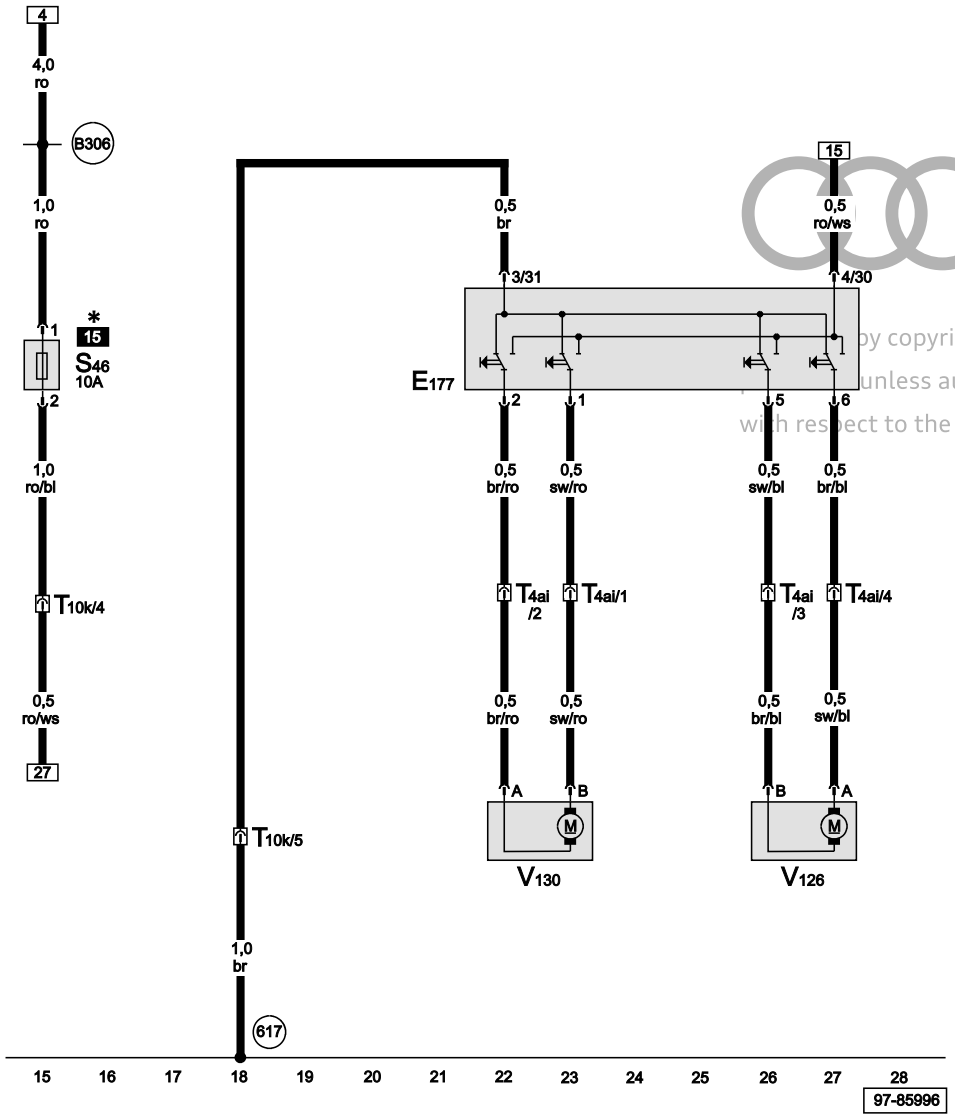
E176	Driver seat lumbar support adjustment switch
S44	Driver seat adjustment thermal fuse 1
S132	Fuse 2
T4ah	4-pin connector, in driver seat
T10i	10-pin connector, red, on left of seat cross member
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor
670	Earth point 2, left A-pillar
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
*	fuses on bottom onboard supply control unit
**	Fuse and relay carrier right in luggage compartment

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Front passenger seat lumbar support adjustment switch, front passenger seat lumbar support longitudinal adjustment motor, front passenger seat lumbar support height adjustment motor

E177	Front passenger seat lumbar support adjustment switch
S46	Front passenger seat adjustment thermal fuse 1
T4ai	4-pin connector, in front passenger seat
T10k	10-pin connector, red, on right of seat cross member
V126	Front passenger seat lumbar support longitudinal adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
617	Earth point 2, on lower part of right A-pillar
B306	Positive connection 10 (30), in main wiring harness
*	on coupling station on right of A-pillar



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Taxi

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

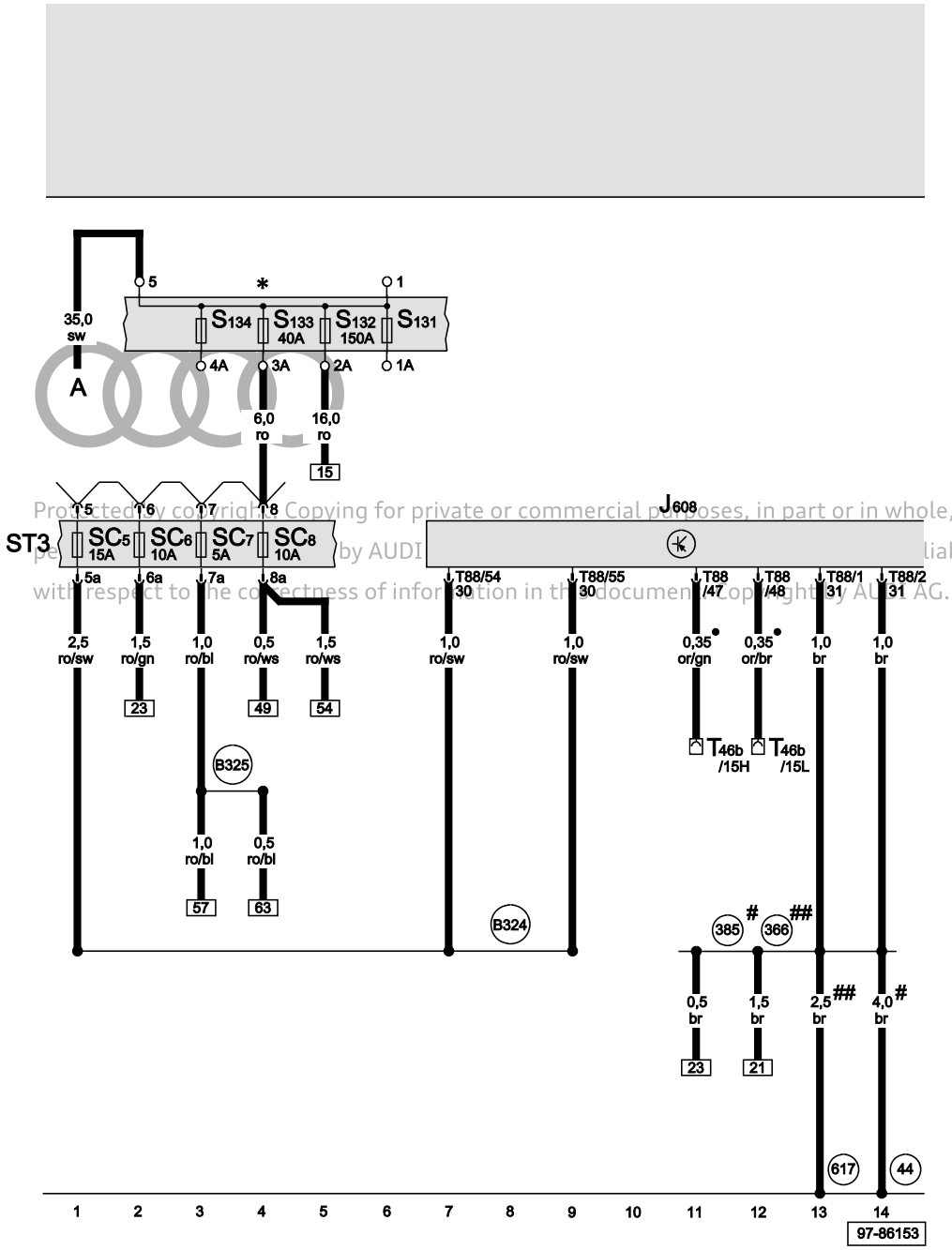
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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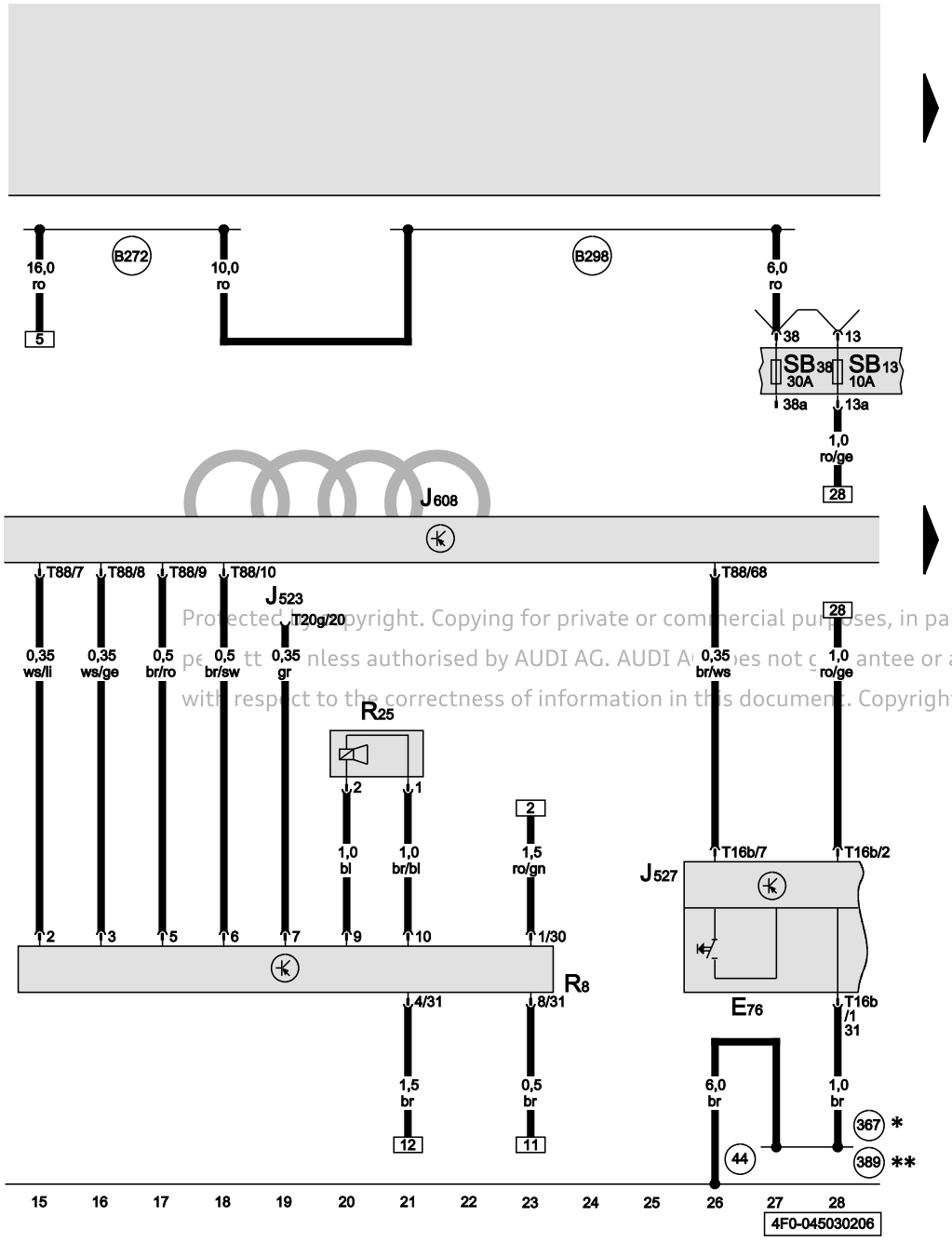
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Special vehicle control unit, fuses

A	Battery
J608	Special vehicle control unit
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SC5	Fuse 5 on fuse holder
SC6	Fuse 6 on fuse holder
SC7	Fuse 7 on fuse holder
SC8	Fuse 8 on fuse holder
T46b	46-pin connector, CAN separating connector right
T88	88-pin connector, on special vehicle control unit
44	Earth point, lower part of left A-pillar
366	Earth connection 1, in main wiring harness
385	Earth connection 20, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
B324	Positive connection 10 (30a), in main wiring harness
B325	Positive connection 11 (30a), in main wiring harness
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
#	up to October 2005
##	from November 2005

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Special vehicle control unit, two-way radio, two-way radio loudspeaker

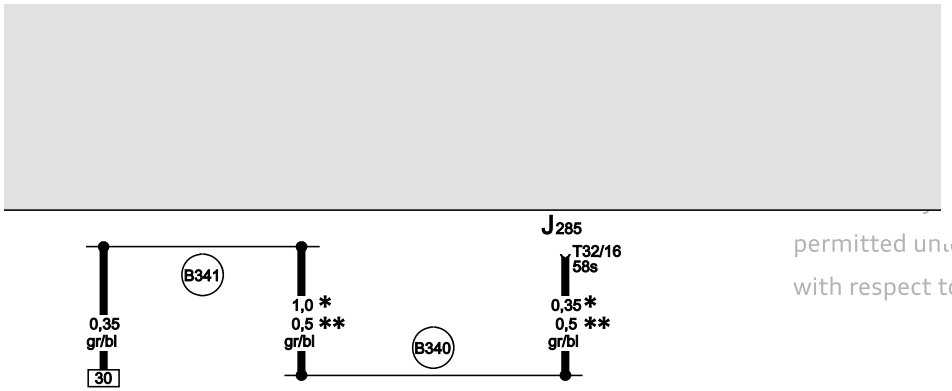


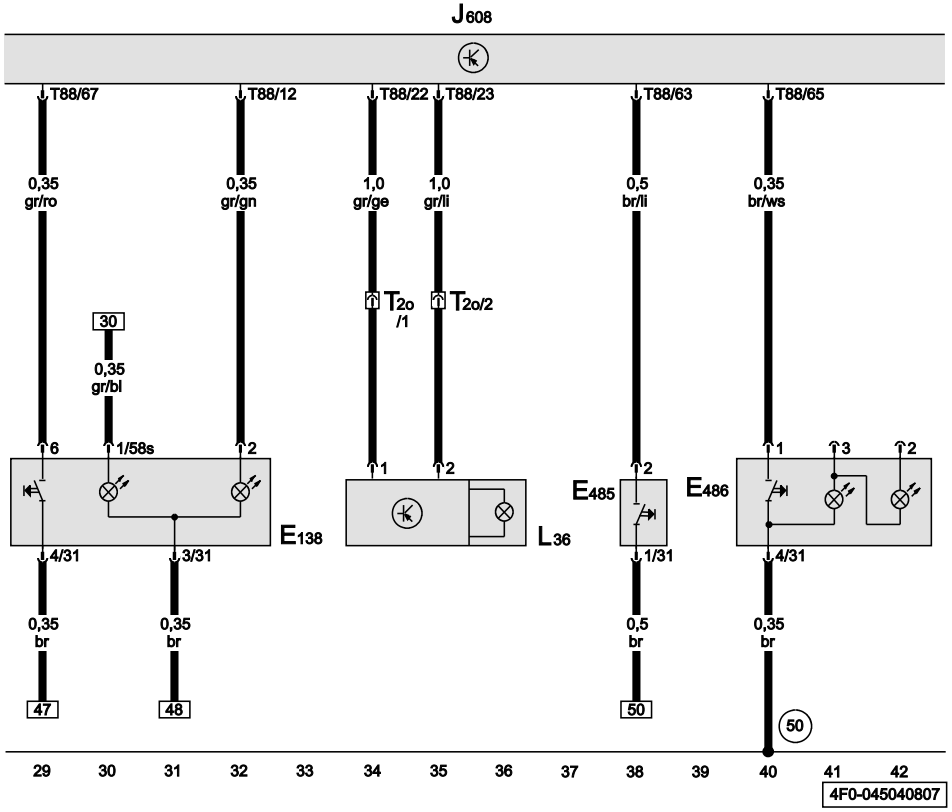
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E76	Two-way radio button
J523	Front information display and operating unit control unit
J527	Steering column electronics control unit
J608	Special vehicle control unit
R8	Two-way radio
R25	Two-way radio loudspeaker
SB13	Fuse 13 on fuse holder
SB38	Fuse 38 on fuse holder
T16b	16-pin connector, behind steering column switch trim
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T88	88-pin connector, on special vehicle control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
*	up to October 2005
**	from November 2005

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rs	=	pink

Special vehicle control unit, taxi sign switch, taxi roof sign light bulb, taxi alarm active button, taxi alarm off button

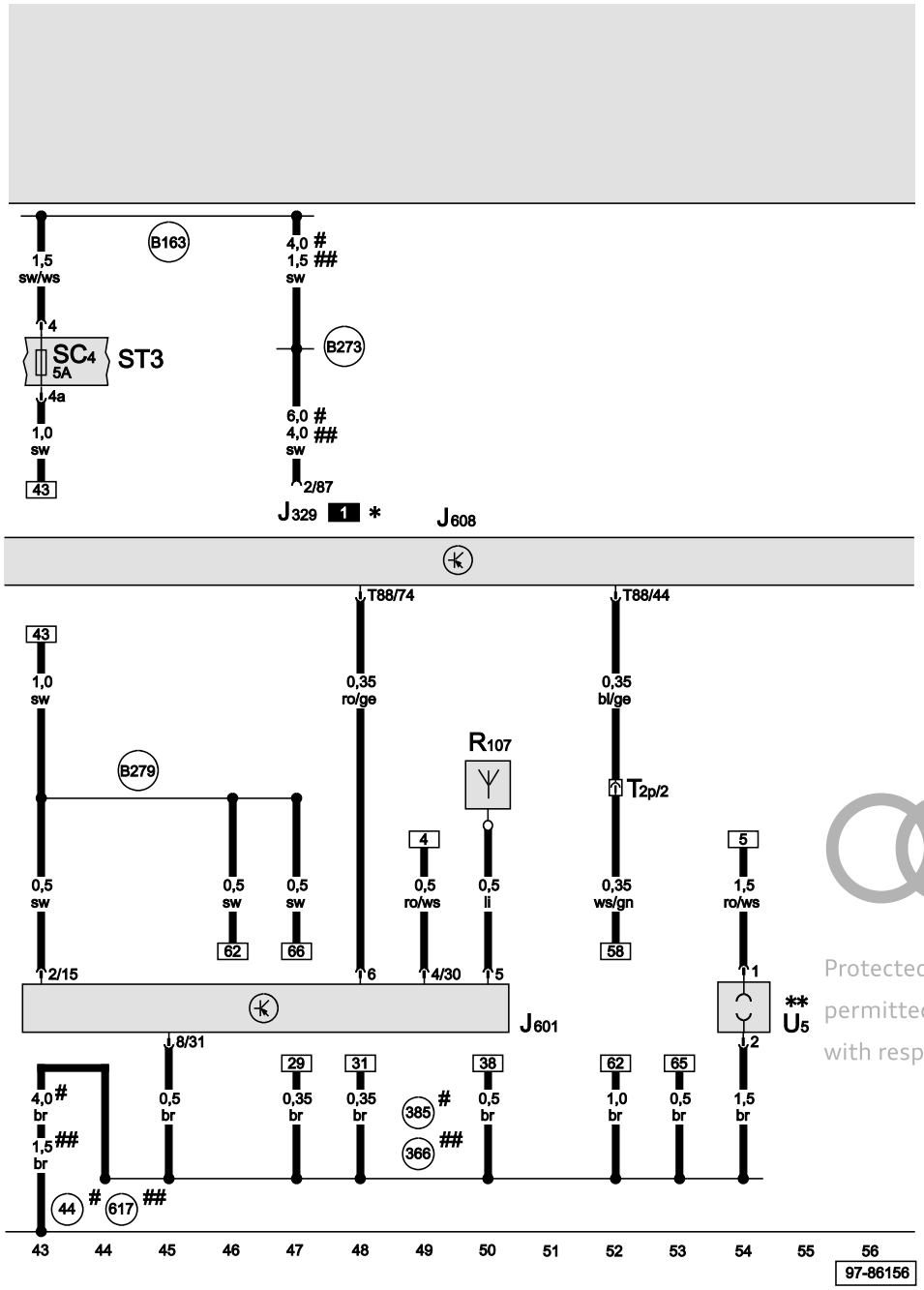




E138	Taxi sign switch	
E485	Taxi alarm active button	
E486	Taxi alarm off button	
J285	Control unit in dash panel insert	
J608	Special vehicle control unit	
L36	Taxi roof sign light bulb	
T2o	2-pin connector, black, on left B-pillar	
T32	32-pin connector, grey, on dash panel insert	
T88	88-pin connector, on special vehicle control unit	
50	Earth point, on left in luggage compartment	
B340	Connection 1 (58s), in main wiring harness	
B341	Connection 2 (58s), in main wiring harness	
*	up to October 2005	
**	from November 2005	

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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Special vehicle control unit, taxi alarm remote control, control unit, 12 V socket

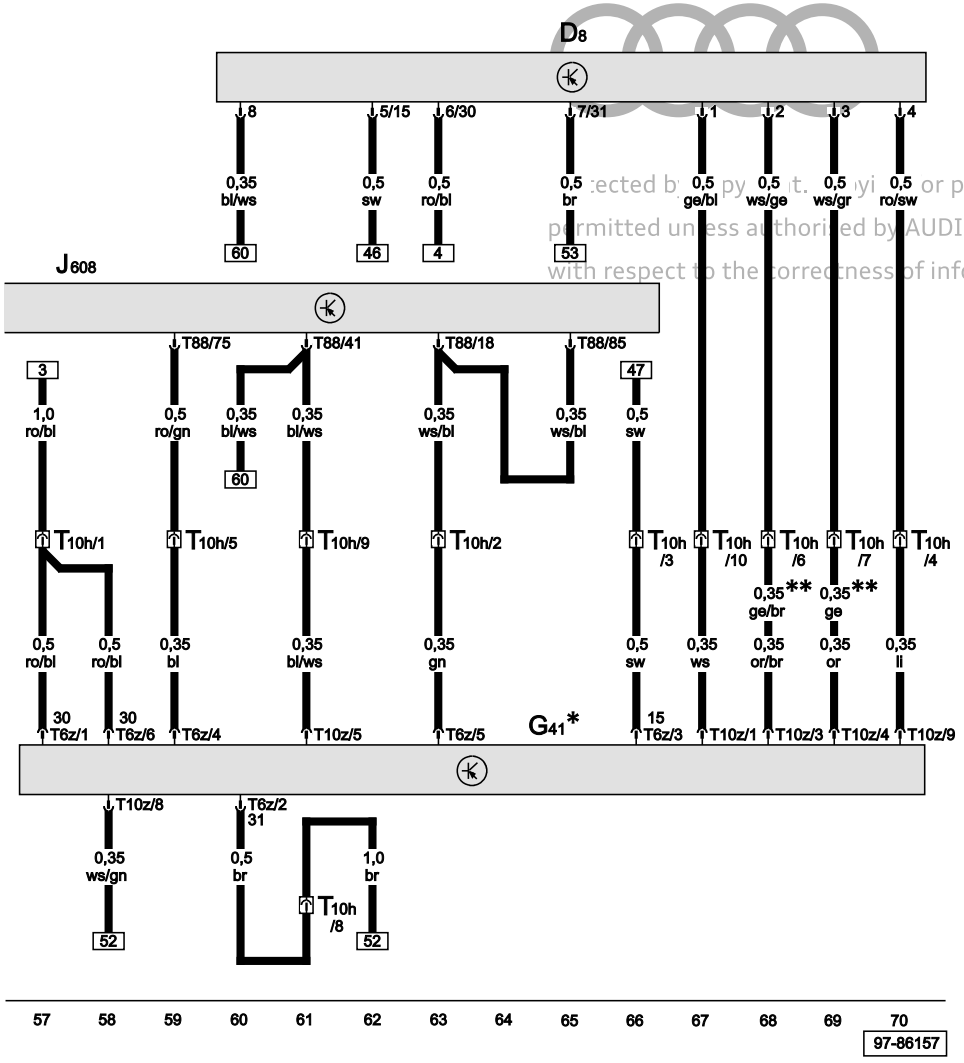
J329	Terminal 15 voltage supply relay
J601	Taxi alarm remote control, control unit
J608	Special vehicle control unit
R107	Remote controlled taxi alarm aerial
SC4	Fuse 4 on fuse holder
T2p	2-pin connector, black, behind the dash panel, right
T88	88-pin connector, on special vehicle control unit
U5	12 V socket
44	Earth point, lower part of left A-pillar
366	Earth connection 1, in main wiring harness
385	Earth connection 20, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
*	9-point relay carrier, behind driver storage compartment
**	in glove box
#	up to October 2005
##	from November 2005

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Special vehicle control unit, taxi meter, (above windscreen), chip card reader

D8	Chip card reader
G41	Taxi meter
J608	Special vehicle control unit
T6z	6-pin connector, on taxi meter, above windscreen
T10h	10-pin connector, pink, coupling station on right of A-pillar
T10z	10-pin connector, on taxi meter, above windscreen
T88	88-pin connector, on special vehicle control unit
*	Taxi meter above windscreen
**	phased-in modification



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Audi A6 2.0 l Turbo-diesel engine (89 kW / 103 kW, 100 kW - 4 cylinder) engine codes BVG, BLB, BNA, BRE, BRF

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

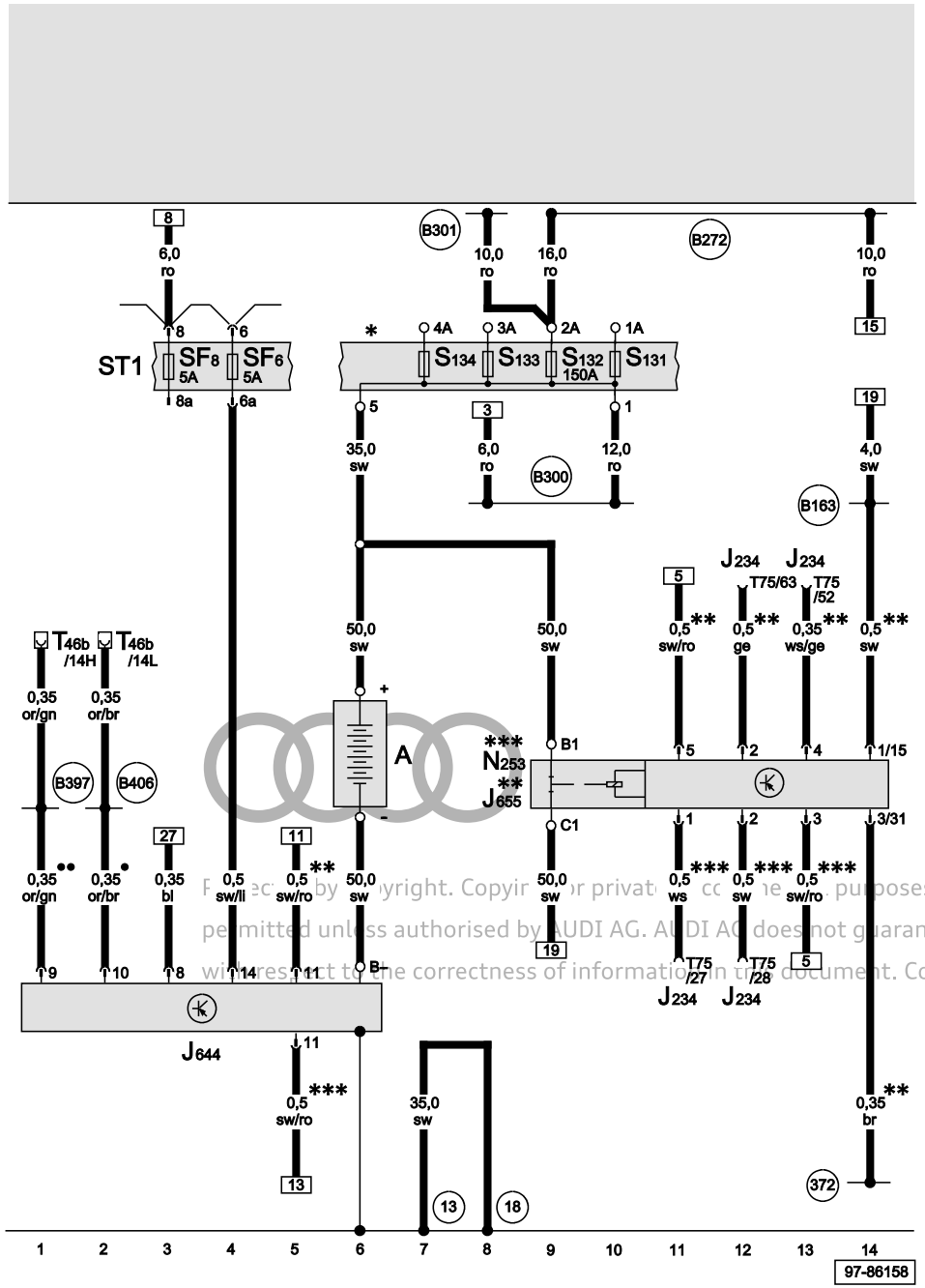
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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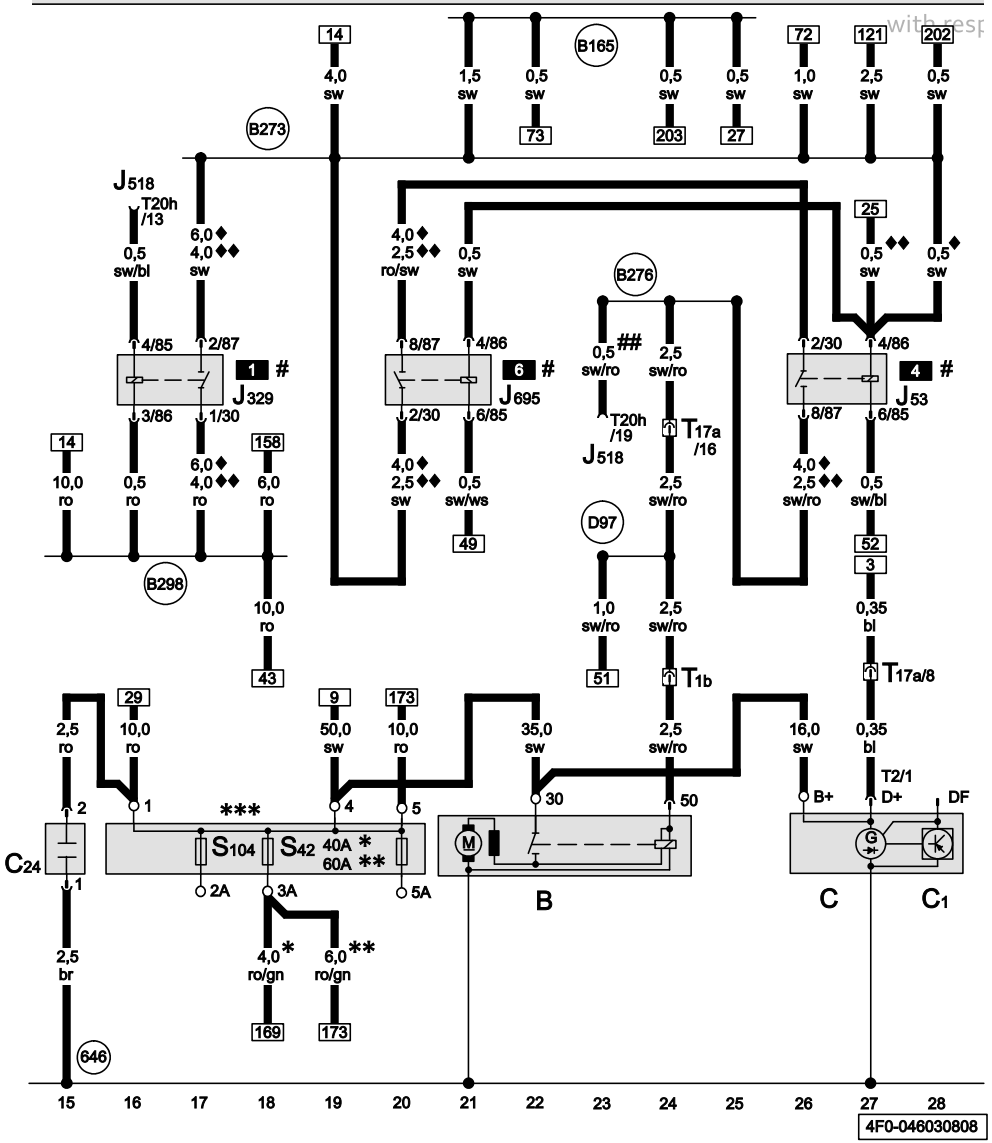


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Battery, energy management control unit, battery cut-off relay, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
J655	Battery cut-off relay
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF6	Fuse 6 on fuse holder
SF8	Fuse 8 on fuse holder
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
372	Earth connection 7, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
**	up to about week 26.04
***	from about week 27.04



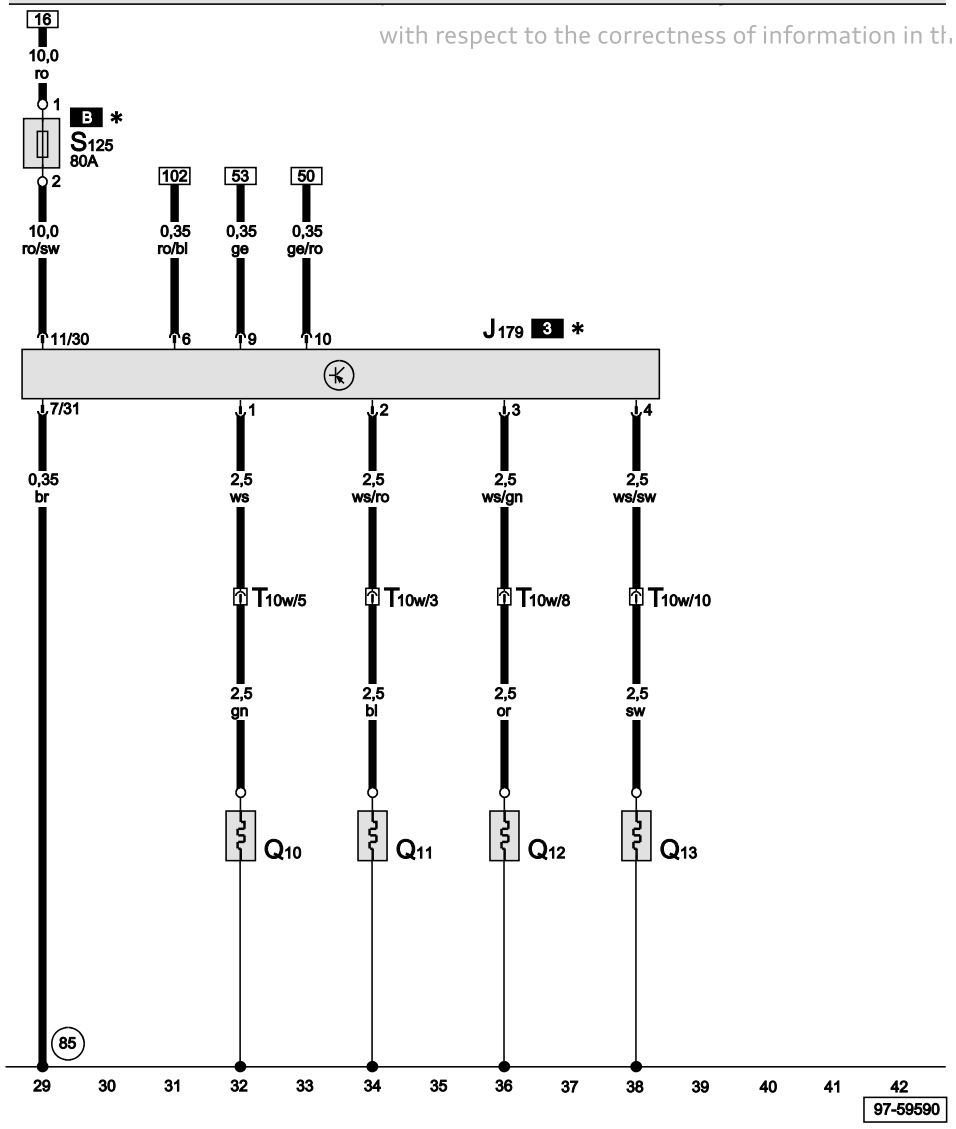
Starter, alternator, starter motor relay, starter motor relay 2, terminal 15 voltage supply relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B276	Positive connection (50), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	standard cooling
**	heavy-duty cooling
***	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment
##	no longer fitted, phased from model year 2006
◆	up to October 2005
◆◆	from November 2005

ws	=	white
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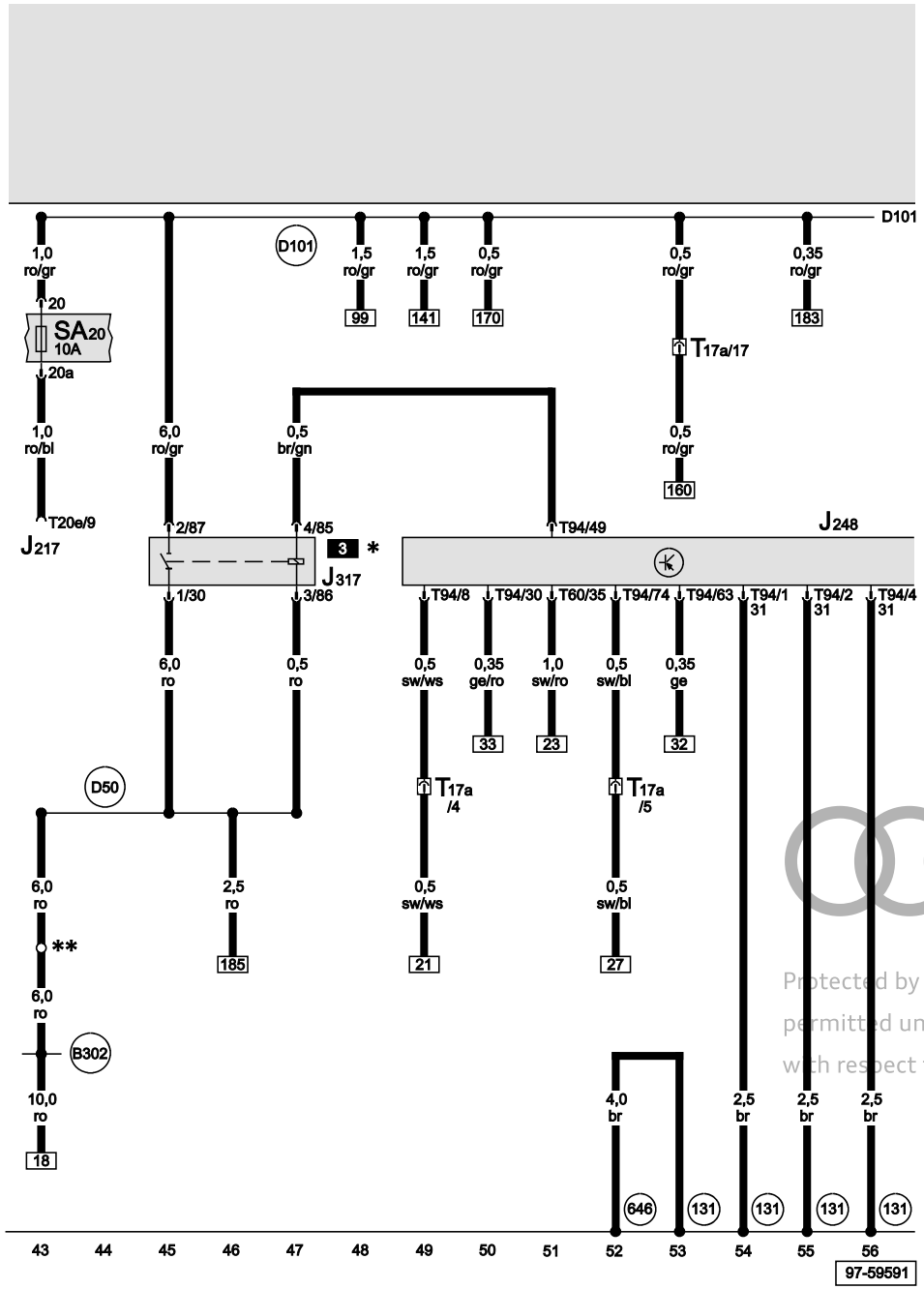
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Automatic glow period control unit, glow plugs fuse, glow plugs

J179	Automatic glow period control unit
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
S125	Glow plug fuse
T10w	10-pin connector, black, in engine compartment
85	Earth connection 1, in engine compartment wiring harness
*	Relay carrier electronics box on right in plenum chamber

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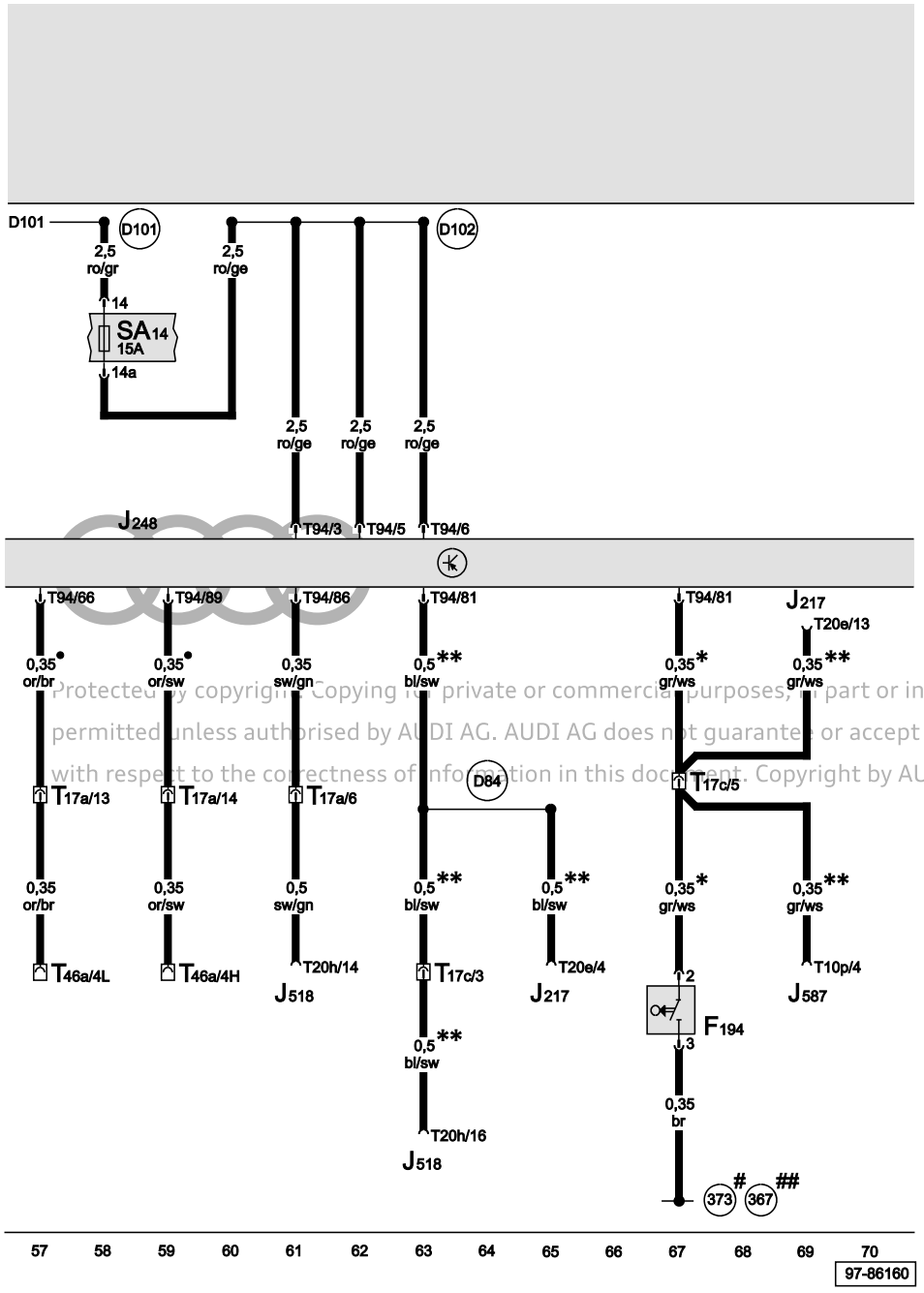


Diesel direct injection system control unit, terminal 30 voltage supply relay

J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J317	Terminal 30 voltage supply relay
SA20	Fuse 10 on fuse holder engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T60	60-pin connector, black, connector A, on diesel direct injection system control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
131	Earth connection 2, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	Screw connection in electronics box left in plenum chamber

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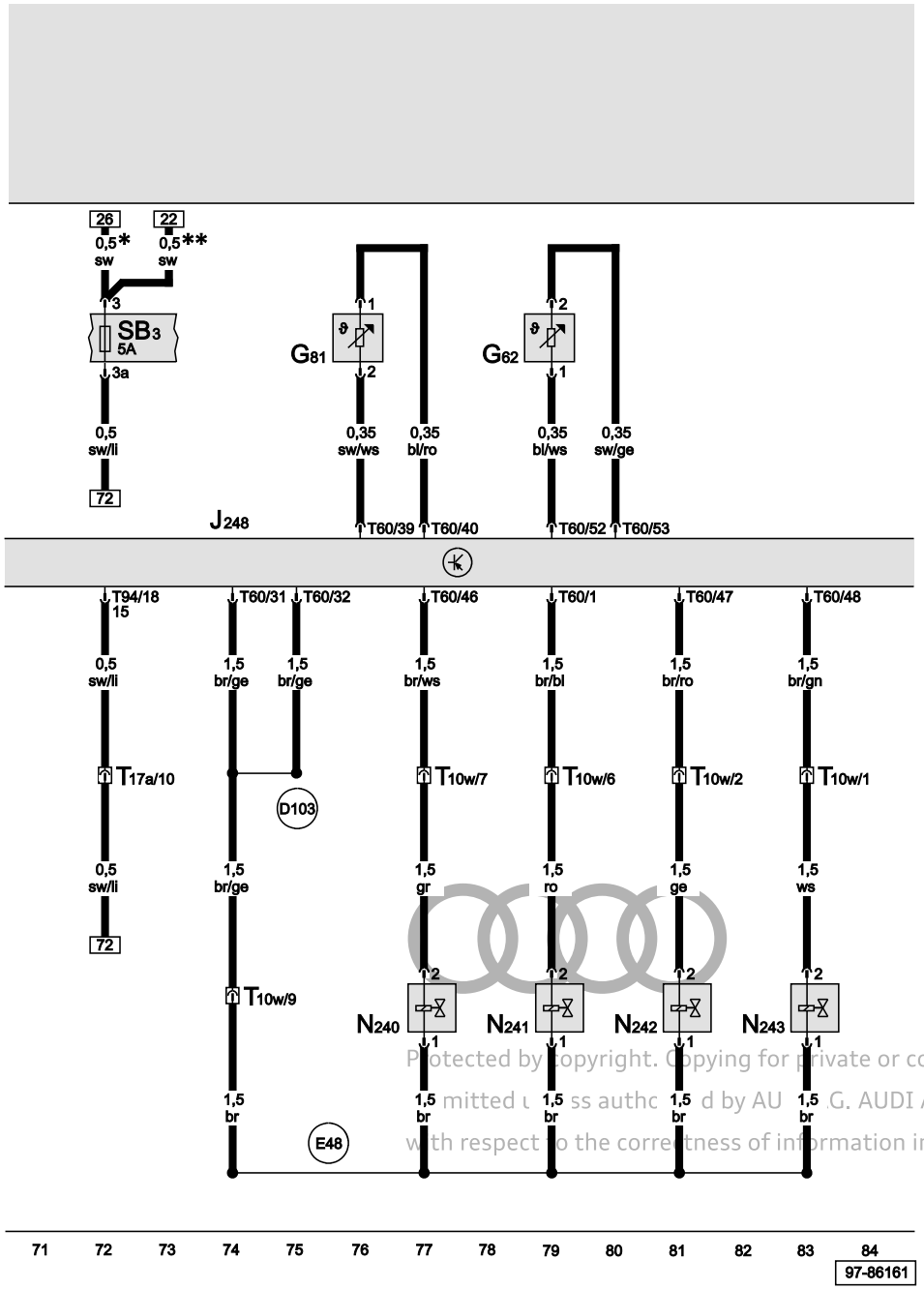


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Diesel direct injection system control unit, clutch pedal switch for engine start

F194	Clutch pedal switch for engine start
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
SA14	Fuse 4 on fuse holder engine compartment
T10p	10-pin connector, black, on selector lever sensors control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN separating connector left
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
367	Earth connection 2, in main wiring harness
373	Earth connection 8, in main wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)
*	models with manual gearbox
**	models with automatic gearbox 01J
#	up to October 2005
##	from November 2005



Diesel direct injection system control unit, fuel temperature sender, unit injector valve, No. 1 up to 4 cyl.,coolant temperature sender

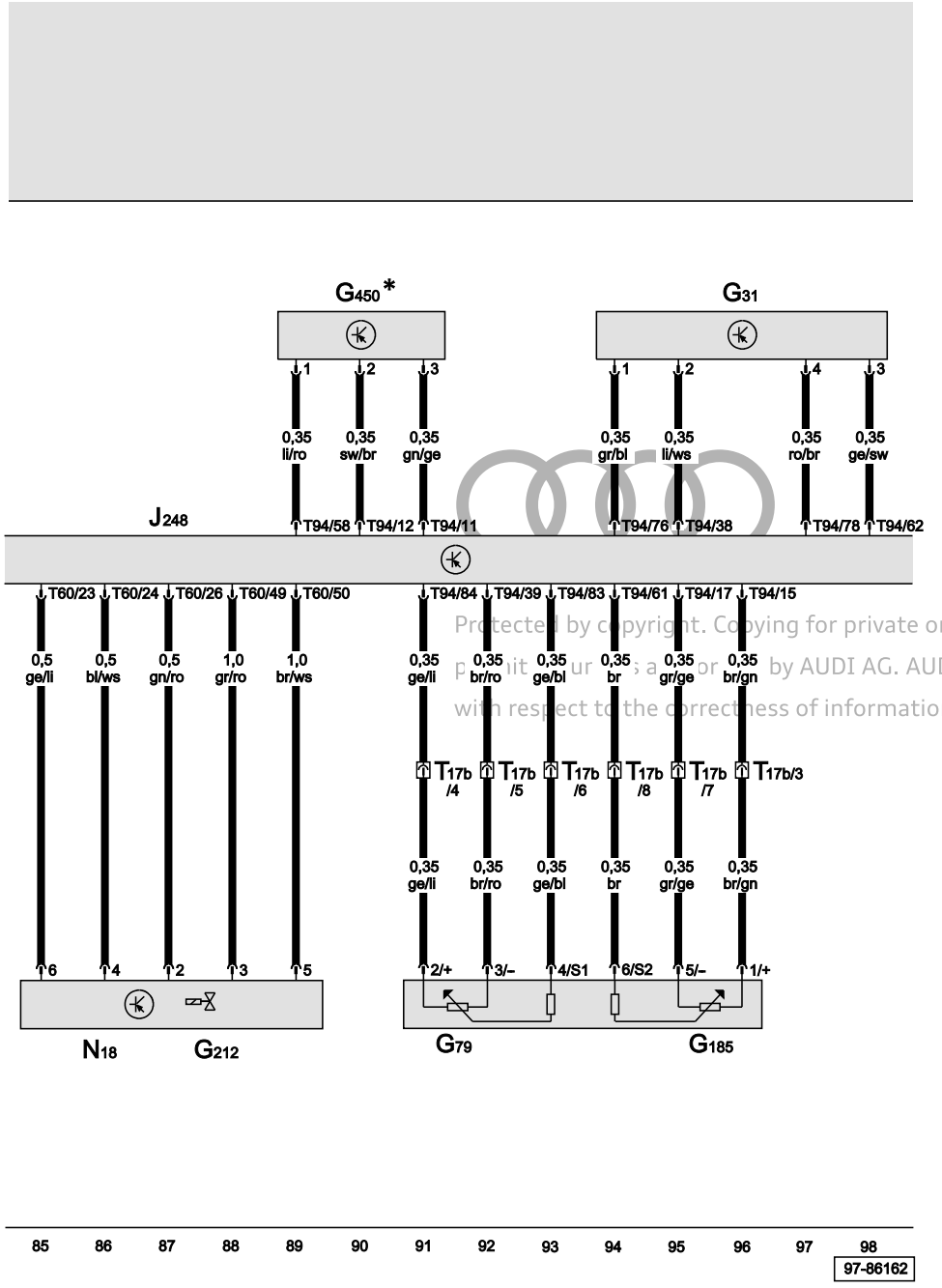
G62	Coolant temperature sender
G81	Fuel temperature sender
J248	Diesel direct injection system control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
SB3	Fuse 3 on fuse holder
T10w	10-pin connector, black, in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on diesel direct injection system control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
D103	Connection 3, in engine compartment wiring harness
E48	Connection (injectors), in injection system wiring harness
*	up to October 2005
**	from November 2005

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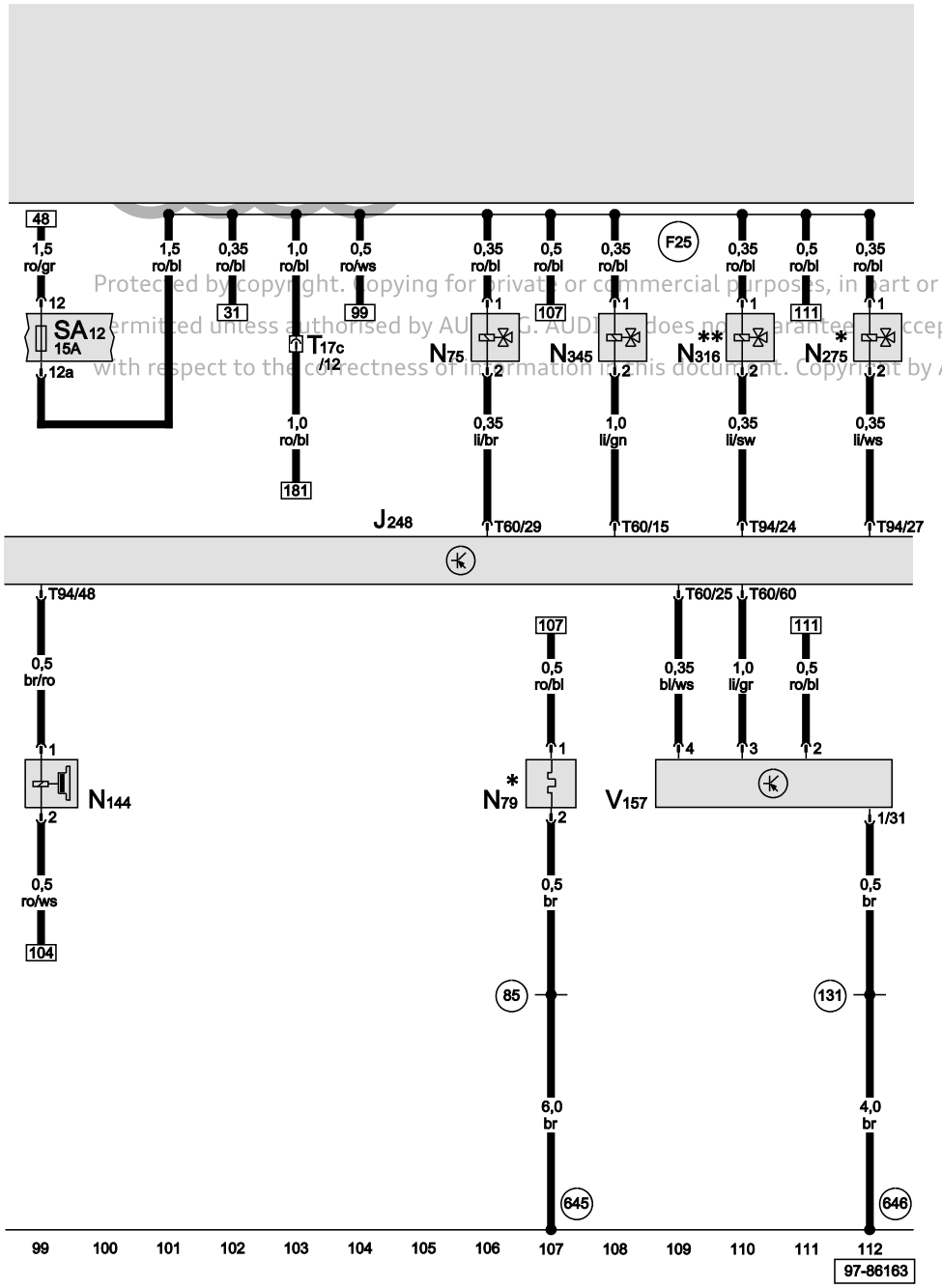
Diesel direct injection system control unit, charge air pressure sender, accelerator position sender, exhaust gas recirculation valve, exhaust gas pressure sensor 1

G31	Charge air pressure sender
G79	Accelerator position sender
G185	Accelerator position sender 2
G212	Exhaust gas recirculation potentiometer
G450	Exhaust gas pressure sensor 1
J248	Diesel direct injection system control unit
N18	Exhaust gas recirculation valve
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on diesel direct injection system control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
*	models with particulate filter



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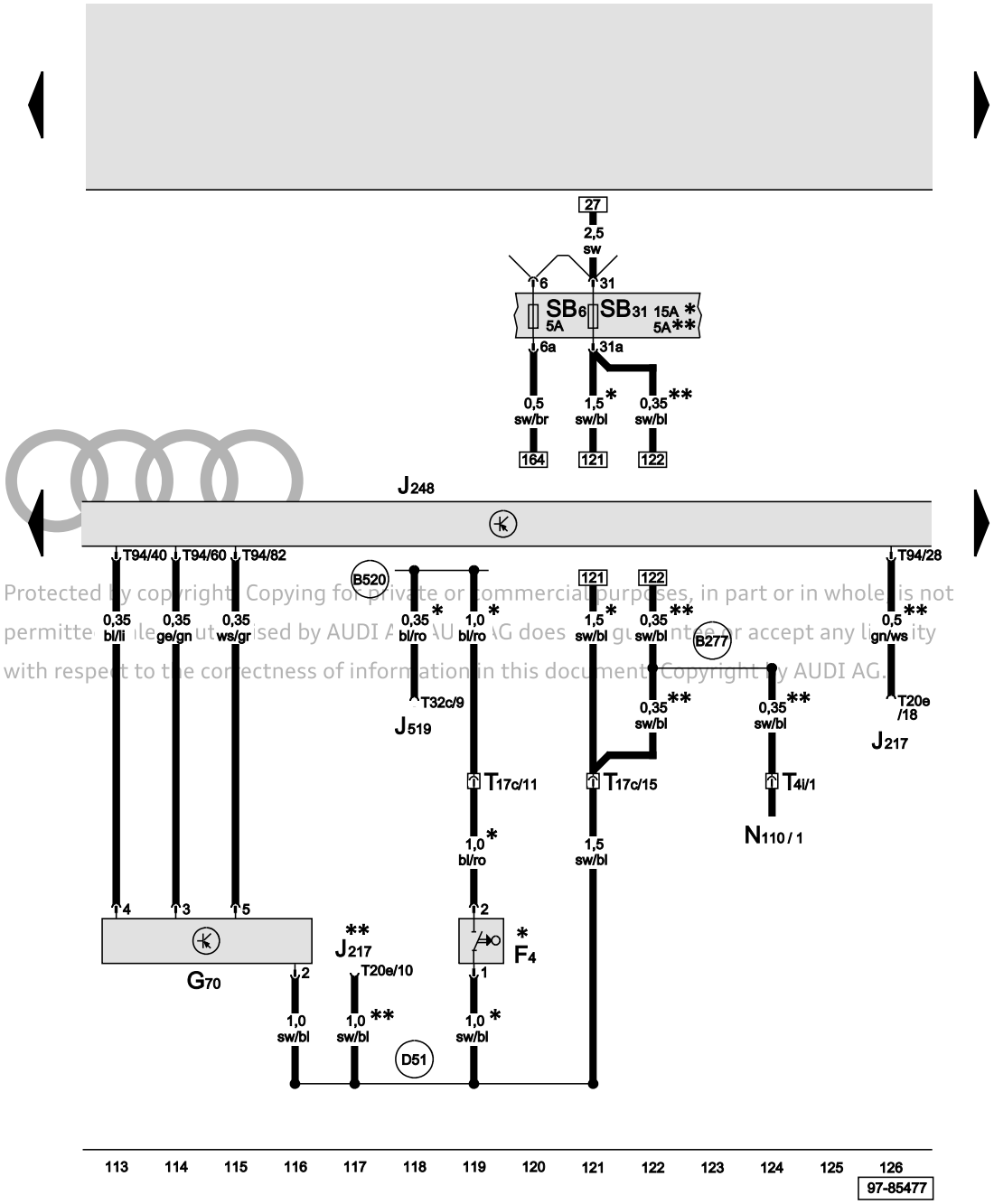


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Diesel direct injection system control unit, left electrohydraulic engine mounting solenoid valve, charge pressure control solenoid valve, intake manifold flap valve

J248	Diesel direct injection system control unit
N75	Charge pressure control solenoid valve
N79	Heater element for crankcase breather
N144	Left electrohydraulic engine mounting solenoid valve
N275	Air filter bypass flap valve
N316	Intake manifold flap valve
N345	Exhaust gas recirculation cooler change-over valve
SA12	Fuse 2 on fuse holder engine compartment
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on diesel direct injection system control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
V157	Intake manifold flap motor
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
F25	Connection 1, in diesel direct injection system wiring harness
*	only applies to versions for countries with cold climate
**	models with particulate filter and/or automatic gearbox



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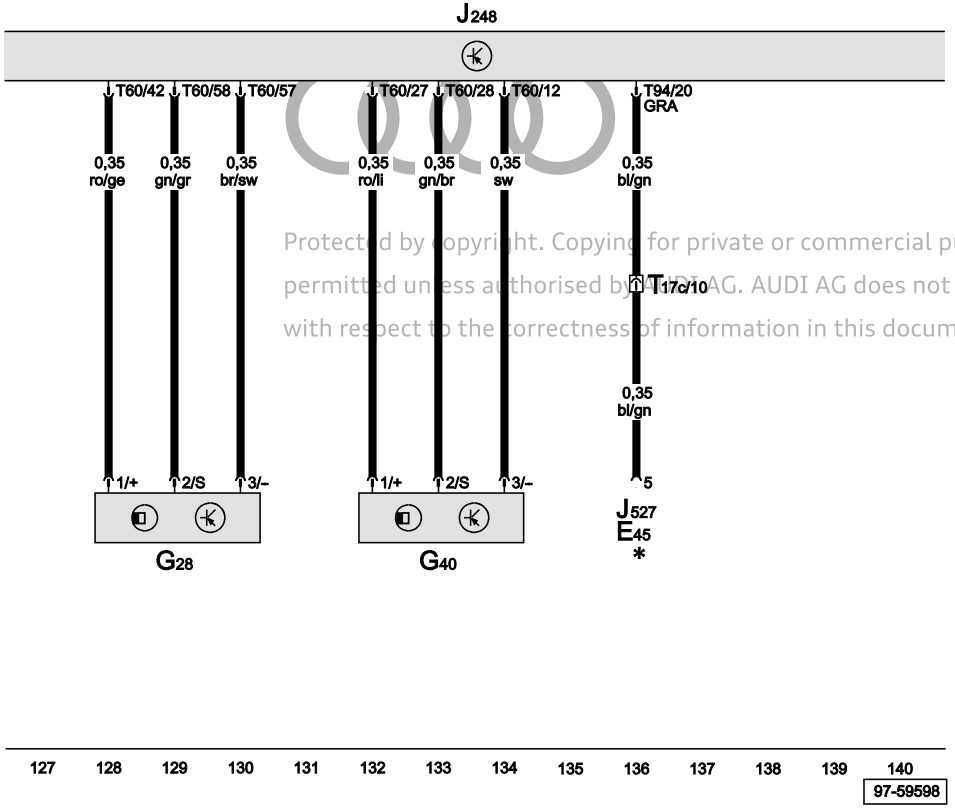
Diesel direct injection system control unit, air mass meter, reversing light switch

F4	Reversing light switch
G70	Air mass meter
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J519	Onboard supply control unit
N110	Selector lever lock solenoid
SB6	Fuse 6 on fuse holder
SB31	Fuse 31 on fuse holder
T4i	4-pin connector, black, in centre console on selector lever console
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
B277	Positive connection 1 (15a), in main wiring harness
B520	Connection (RL), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J

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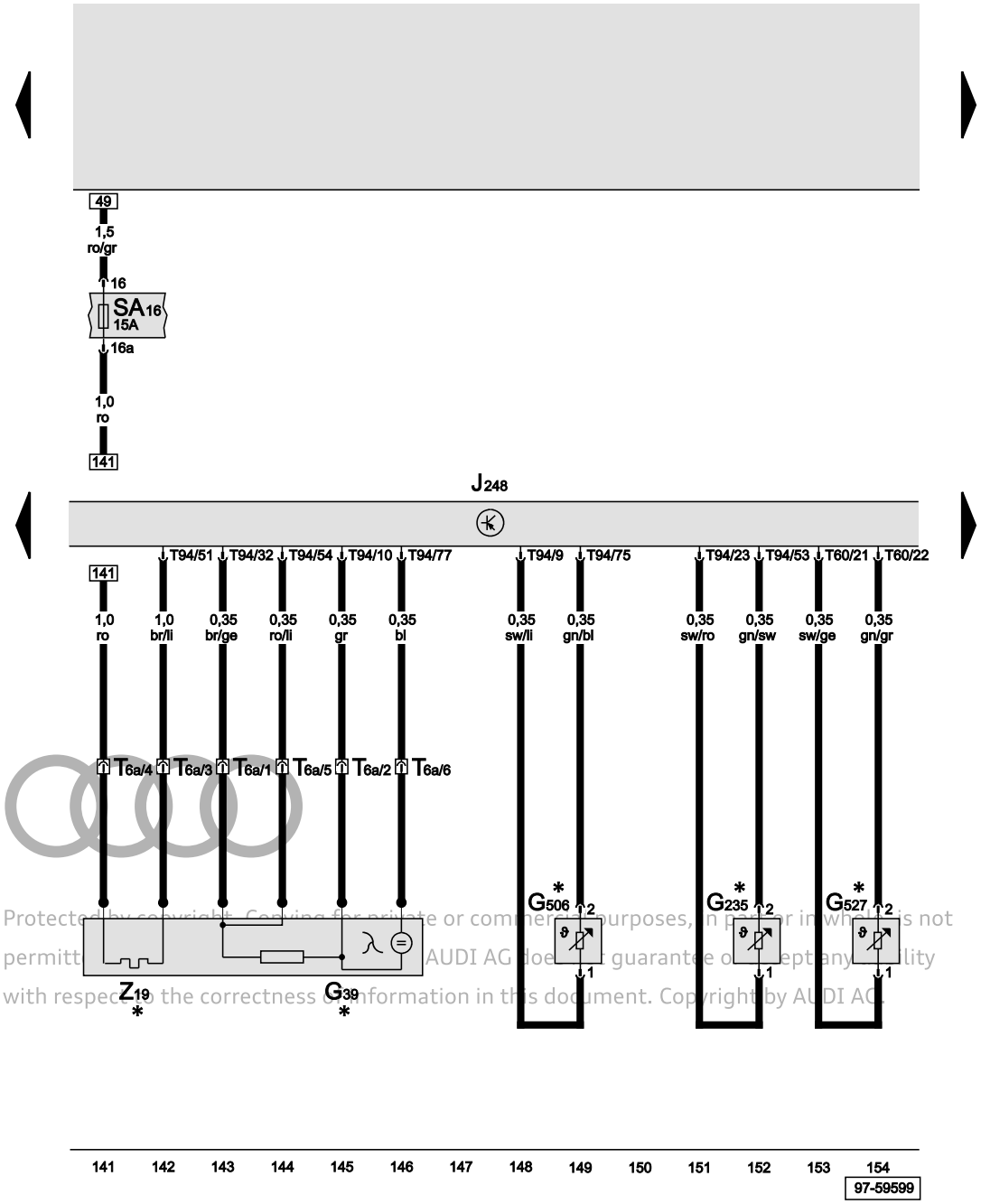
Diesel direct injection system control unit, Hall sender, engine speed sender, coolant temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G40	Hall sender
J248	Diesel direct injection system control unit
J527	Steering column electronics control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on diesel direct injection system control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
*	models with cruise control system



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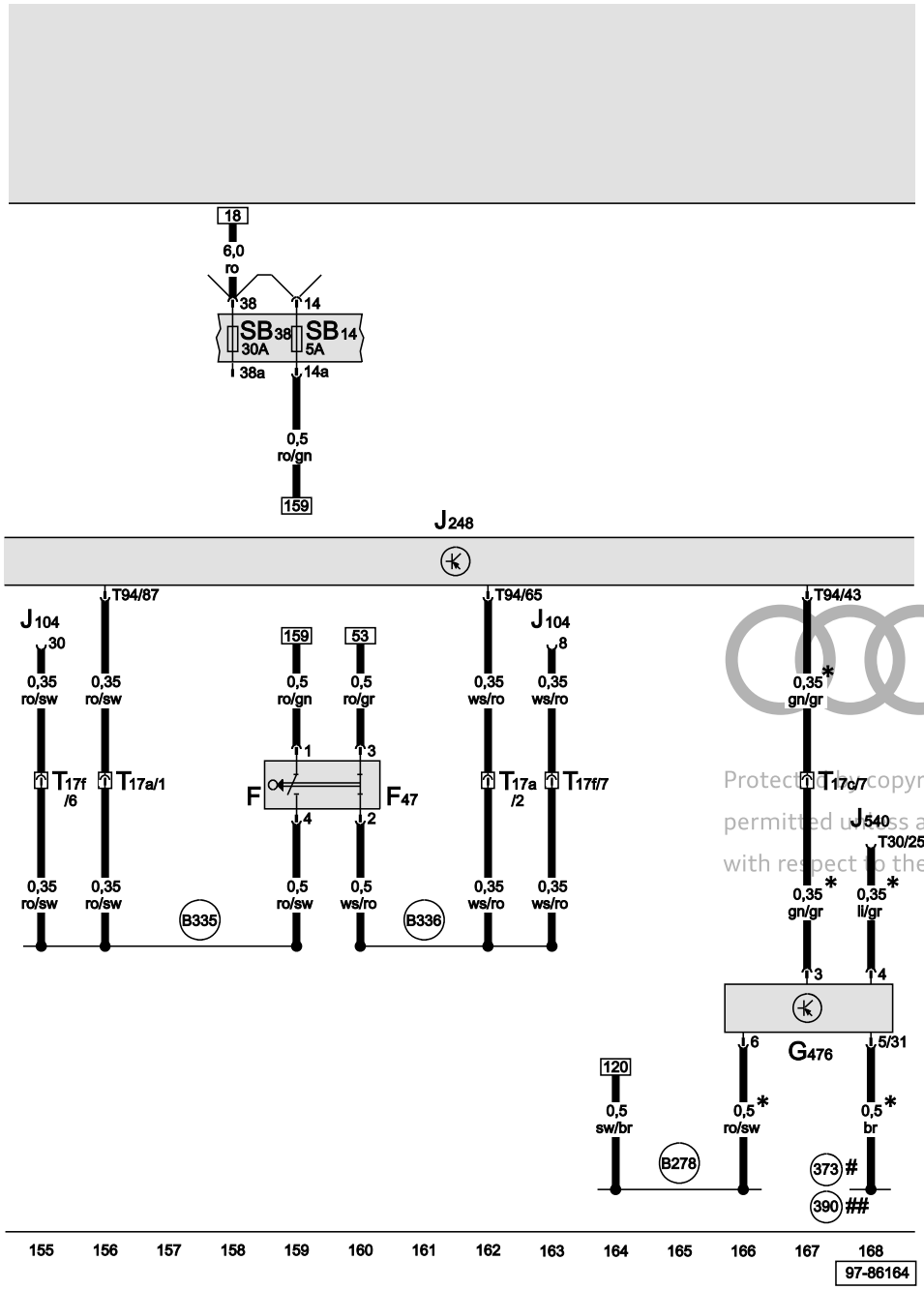
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Diesel direct injection system control unit, lambda probe, exhaust gas temperature sender 1, temperature sender before particulate filter, temperature sender after particulate filter

G39	Lambda probe
G235	Exhaust gas temperature sender 1
G506	Temperature sender before particulate filter
G527	Temperature sender after particulate filter
J248	Diesel direct injection system control unit
SA16	Fuse 6 on fuse holder engine compartment
T6a	6-pin connector, black, for lambda probe
T60	60-pin connector, black, connector A, on diesel direct injection system control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
Z19	Lambda probe heater
*	models with particulate filter

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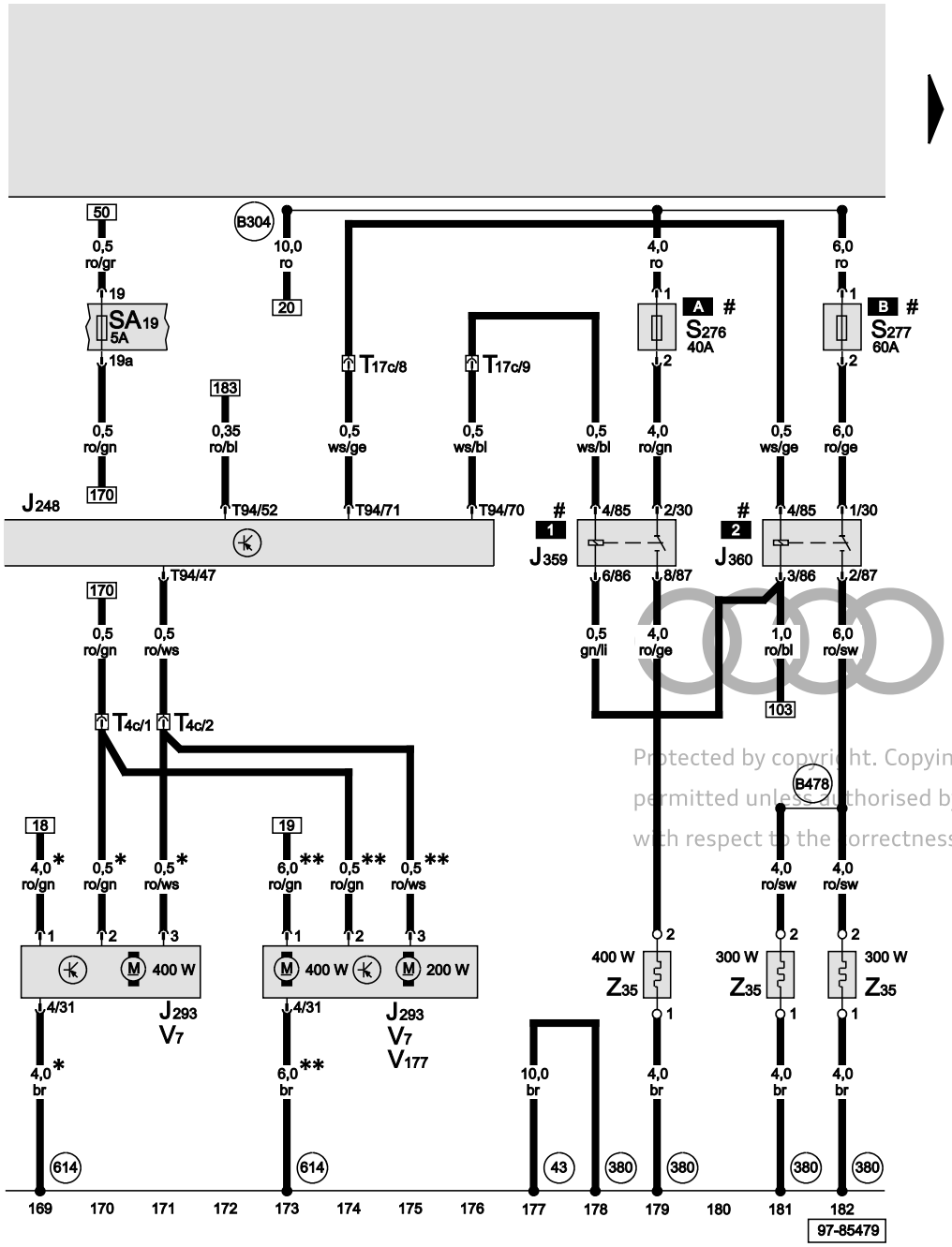
Diesel direct injection system control unit, brake light switch, brake pedal switch, clutch position sender



F	Brake light switch
F47	Brake pedal switch
G476	Clutch position sender
J104	ABS control unit
J248	Diesel direct injection system control unit
J540	Electric park and handbrake control unit
SB14	Fuse 14 on fuse holder
SB38	Fuse 38 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T30	30-pin connector, black, on electric park and handbrake control unit
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
*	models with manual gearbox
#	up to October 2005
##	from November 2005

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Diesel direct injection system control unit, radiator fan control unit, low heat output relay, high heat output relay, radiator fan

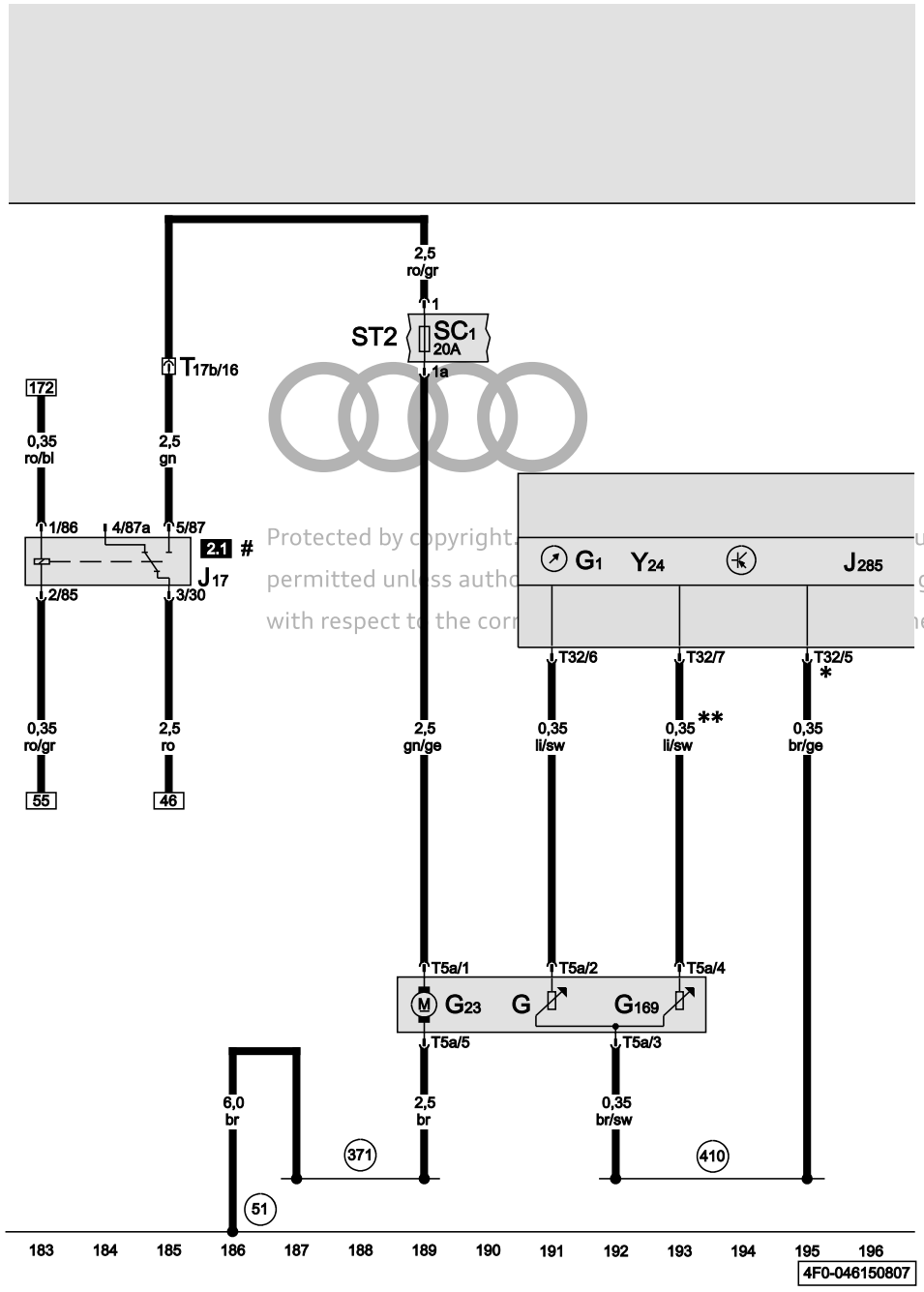
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J359	Low heat output relay
J360	High heat output relay
S276	Heater element fuse 1
S277	Heater element fuse 2
SA19	Fuse 9 on fuse holder engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T94	94-pin connector, black, connector B, on diesel direct injection system control unit
V7	Radiator fan
V177	Radiator fan 2
Z35	Auxiliary heater element
43	Earth point, lower part of right A-pillar
380	Earth connection 15, in main wiring harness
614	Earth point 2, on right in engine compartment
B304	Positive connection 8 (30), in main wiring harness
B478	Connection 14 in main wiring harness
*	standard cooling
**	heavy-duty cooling
#	relay carrier on steering cross member

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

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Fuel pump relay, fuel gauge sender, fuel gauge, fuel pump, fuel gauge sender 2

G	Fuel gauge sender
G1	Fuel gauge
G23	Fuel pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
SC1	Fuse 1 on fuse holder
T5a	5-pin connector, black, on fuel tank
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth
**	only four-wheel drive
#	Relay carrier electronics box left in plenum chamber

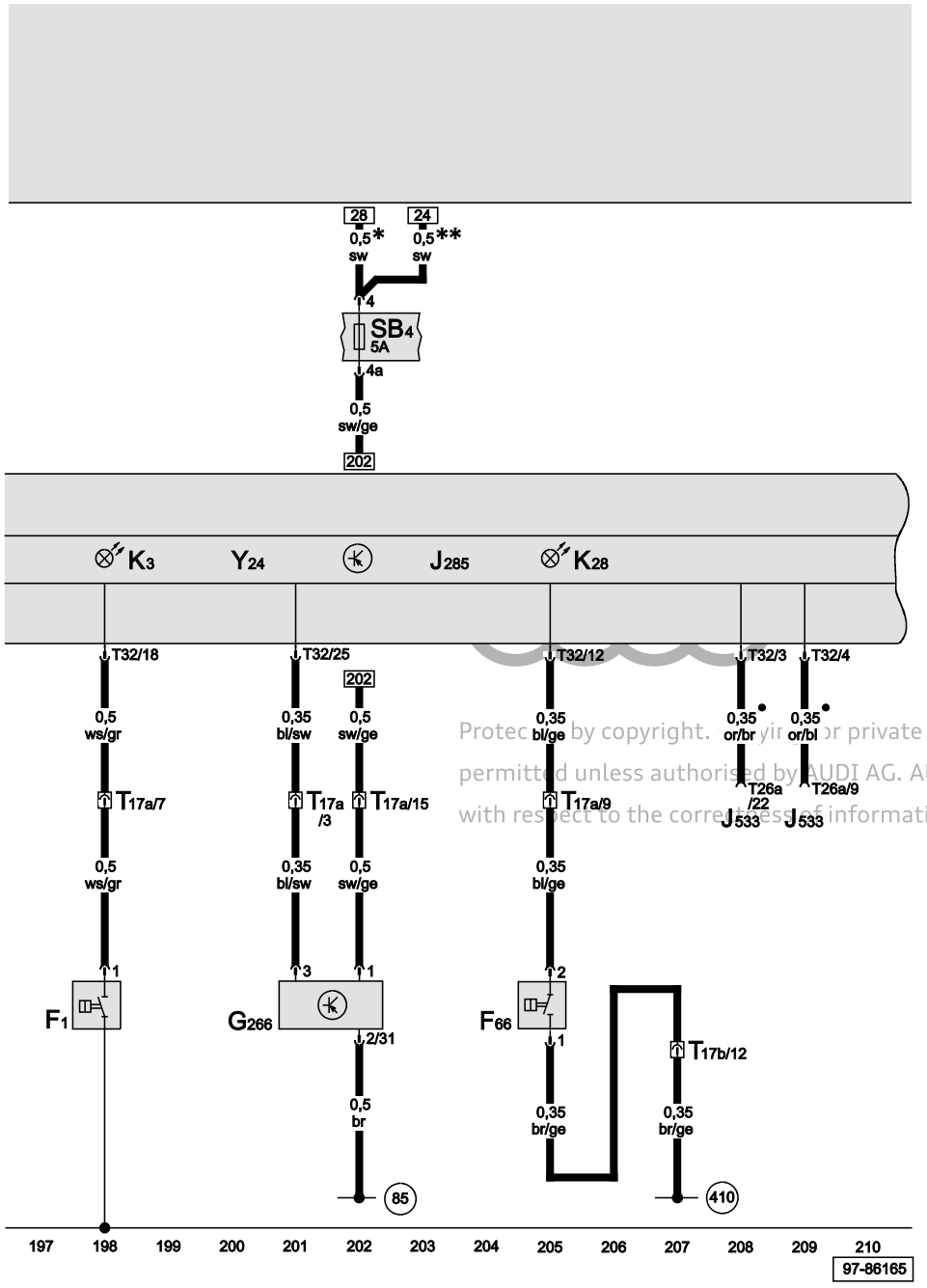


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ge	=	yellow
or	=	orange
rs	=	pink

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, coolant shortage indicator switch

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
85	Earth connection 1, in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005



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rs	=	pink

Digital TV tuner

From model year 2005

Notes:

Information on

- Position of relays and fuses
- Multi-pin connectors
- Control units and relays
- Earth connections

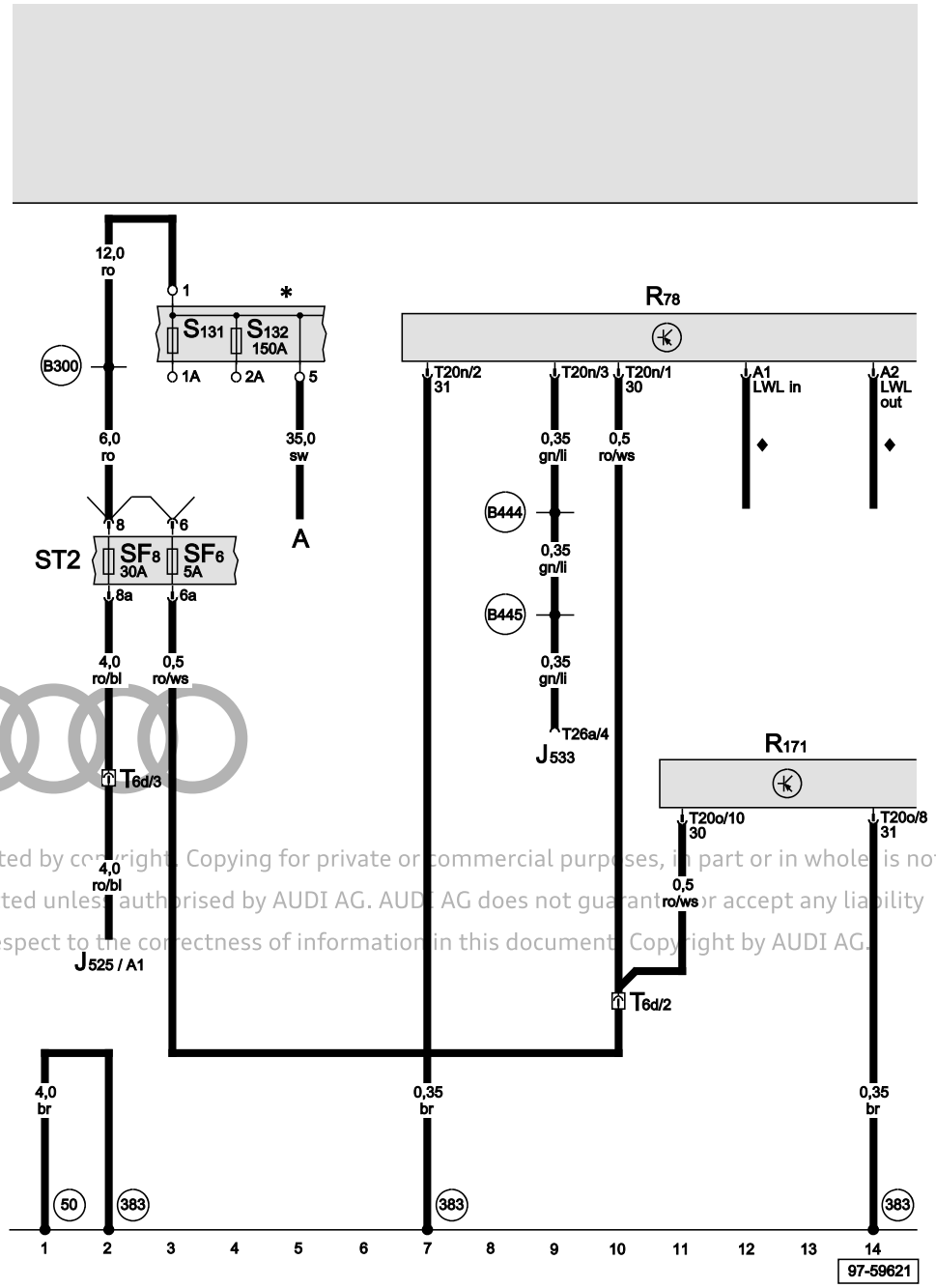
⇒ Overview of Fitting Locations

Information on

- Fault Finding Programmes

⇒ Guided Fault Finding

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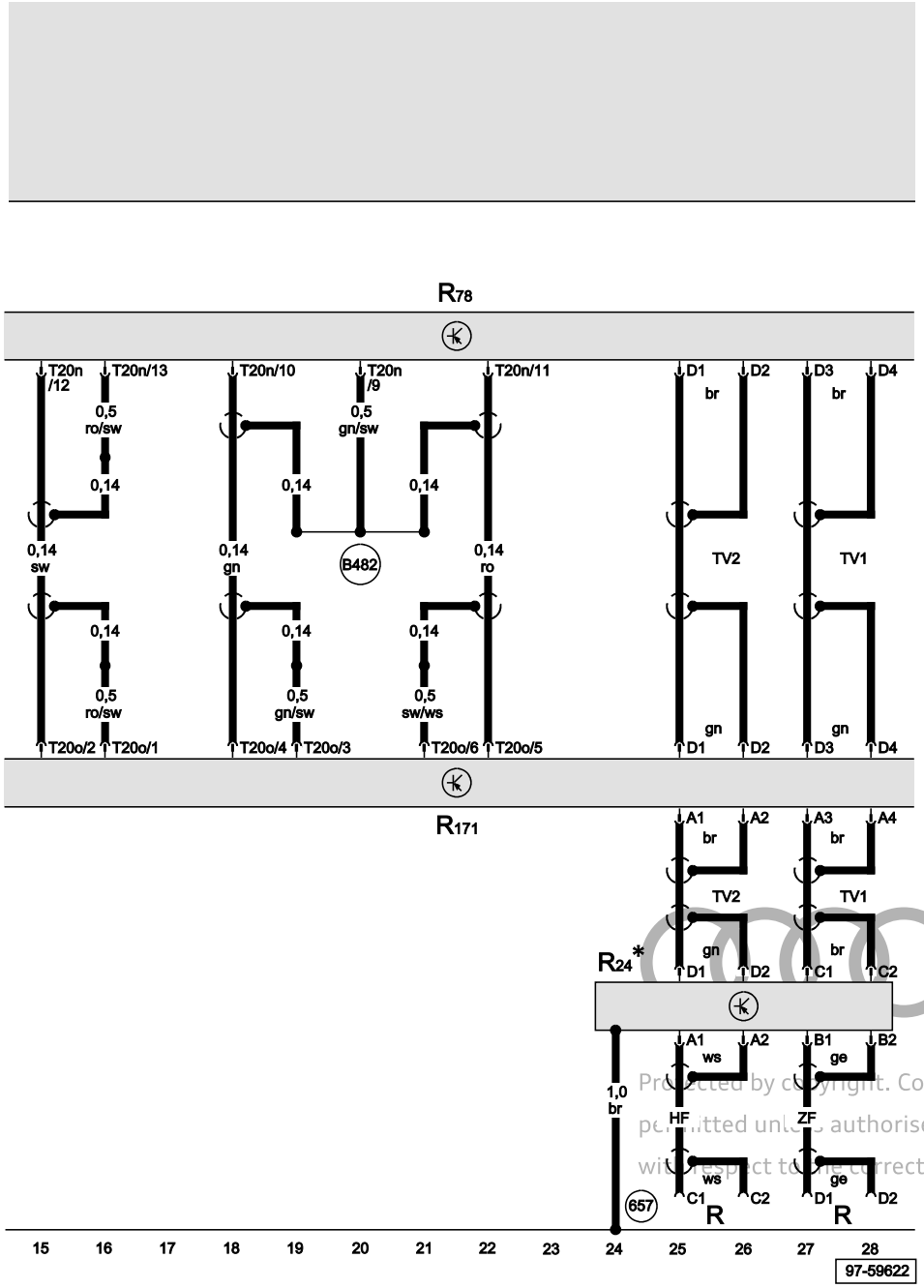
TV tuner, digital TV tuner, fuses

A	Battery
J525	Digital sound package control unit
J533	Data bus diagnostic interface
R78	TV tuner
R171	Digital TV tuner
S131	Fuse 1
S132	Fuse 2
SF6	Fuse 6 on fuse box
SF8	Fuse 8 on fuse box
T6d	6-pin connector, black, in luggage compartment, left
T20n	20-pin connector, red, connector B, on TV tuner
T20o	20-pin connector, black, connector E, on digital TV tuner
T26a	26-pin connector, black, on data bus diagnostic interface
50	Earth point, luggage compartment, left
383	Earth connection 18, in main wiring harness
B300	Positive (+) connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring circuit monitor diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring circuit monitor diagnosis)
*	Fuse and relay carrier, luggage compartment, right
◆	Fibre optic cable (LWL), see Current Flow Diagram: Infotainment data bus (Most ring)

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

TV tuner, digital TV tuner, aerial amplifier

R	Radio
R24	Aerial amplifier
R78	TV tuner
R171	Digital TV tuner
T20n	20-pin connector, red, connector B, on TV tuner
T20o	20-pin connector, black, connector E, on digital TV tuner
657	Earth point 1, on left near rear window
B482	Connection 18, in main wiring harness
*	At rear window, top left

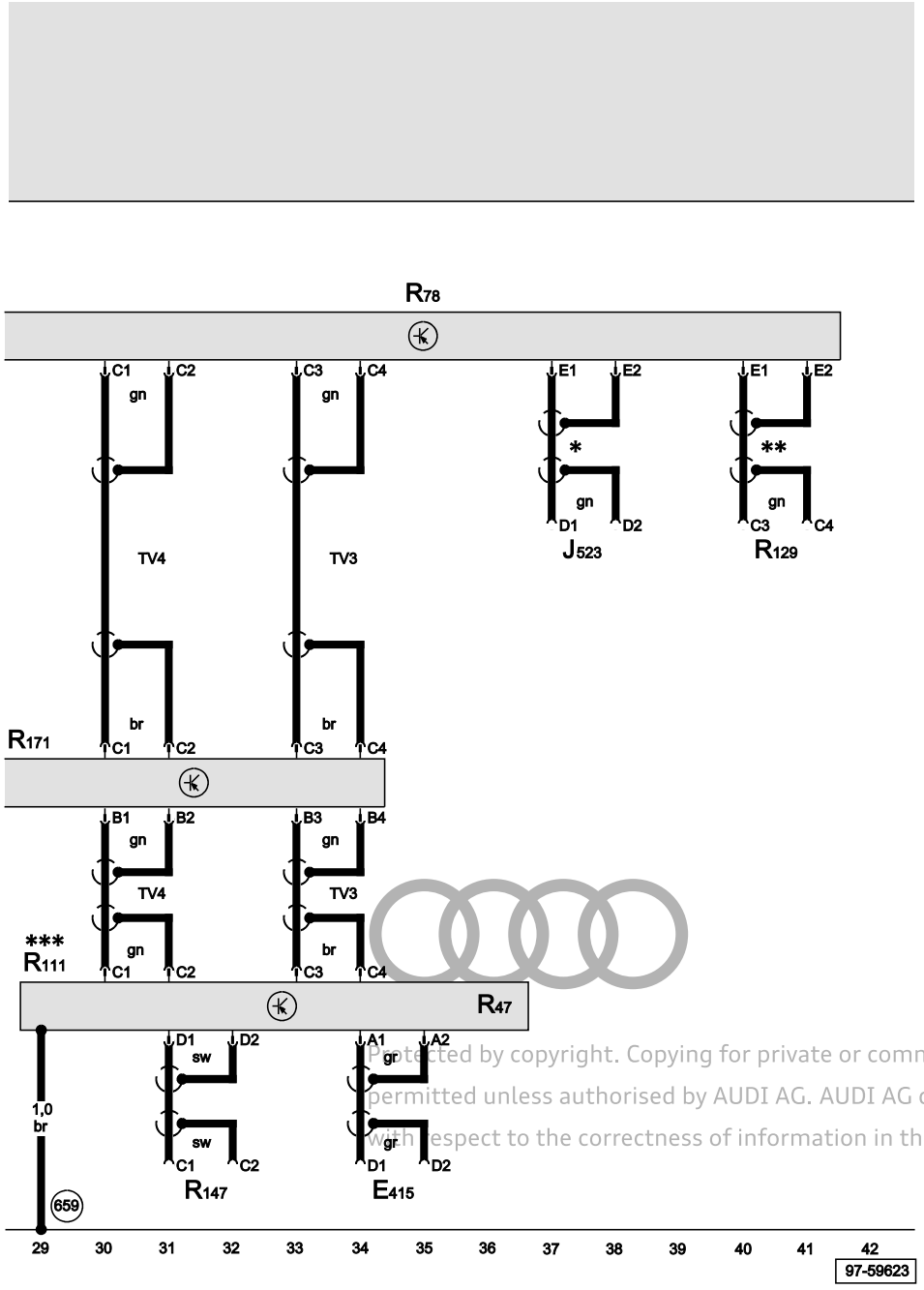


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TV tuner, digital TV tuner, aerial amplifier 2

E415	Entry and start authorisation switch
J523	Front information display and operating unit control unit
R47	Central locking and anti-theft alarm system aerial
R78	TV tuner
R111	Aerial amplifier 2
R129	Video recorder and DVD player
R147	Digital radio
R171	Digital TV tuner
659	Earth point 1, on right near rear window
*	Models without DVD player
**	Models with DVD player
***	At rear window, top right



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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Optimal equipment, police, german special police

⇒ **Radio system**
⇒ **Special signal system**
⇒ **Tachograph**
from model year 2005

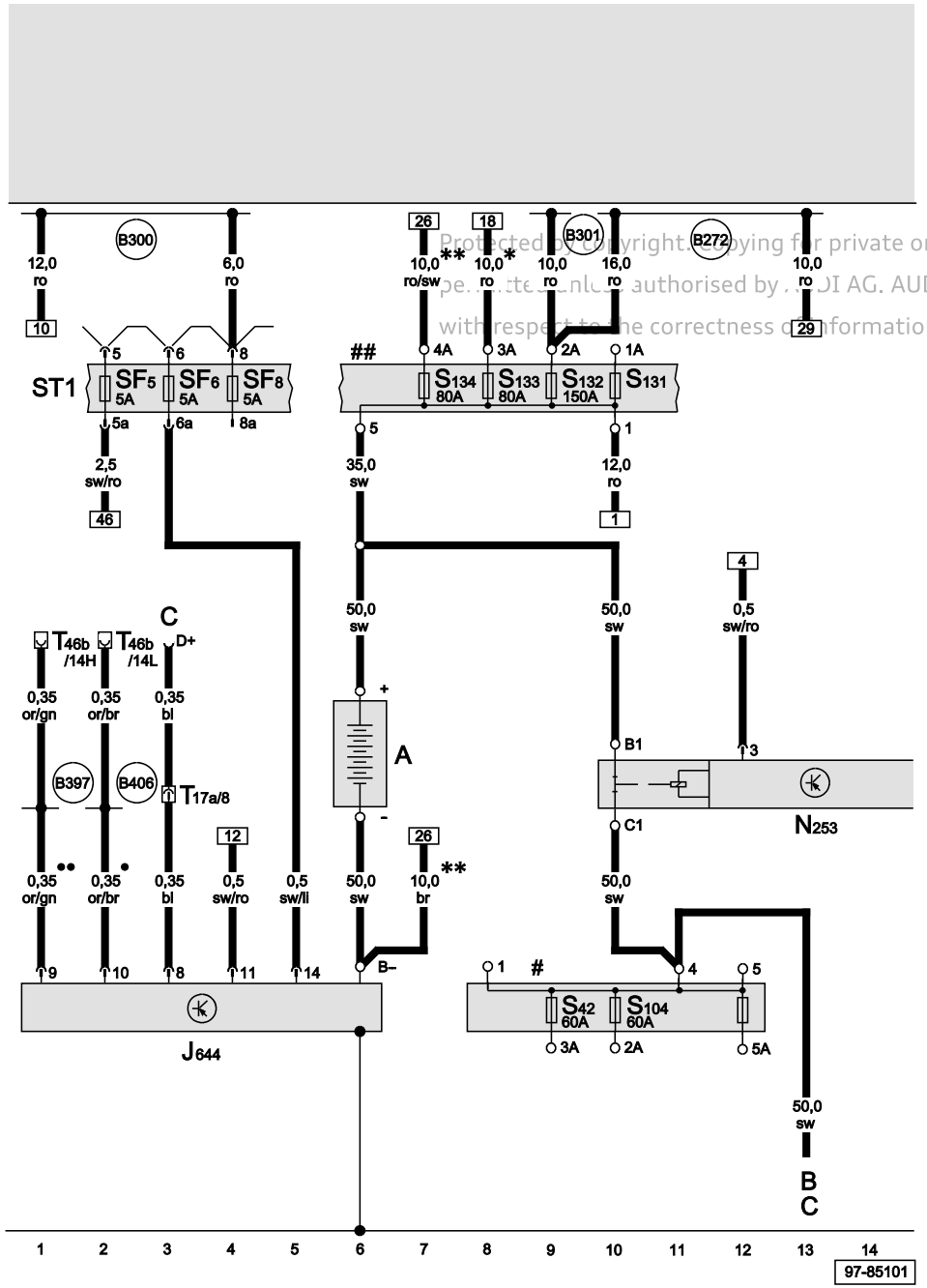
Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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Battery, energy management control unit, battery isolation igniter, fuses



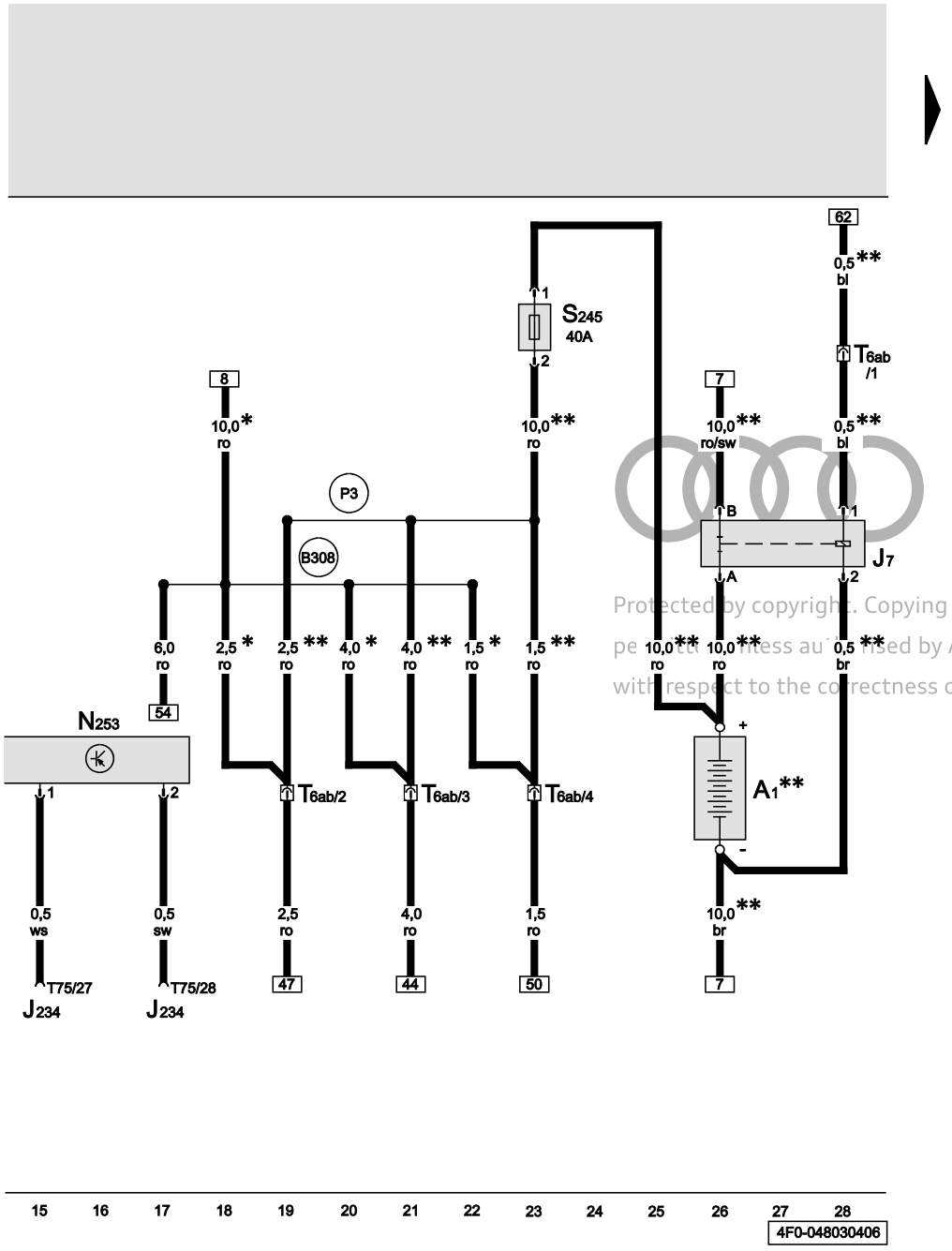
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A	Battery
B	Starter
C	Alternator
J644	Energy management control unit
N253	Battery isolation igniter
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF5	Fuse 5 on fuse holder
SF6	Fuse 6 on fuse holder
SF8	Fuse 8 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46b	46-pin connector, CAN separating connector right
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	models without second battery
**	models with second battery
#	Main fuse carrier electronics box right in plenum chamber
##	Fuse and relay carrier right in luggage compartment

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

Second battery, battery isolation relay, optional equipment main fuse

A1	Second battery
J7	Battery isolation relay
J234	Airbag control unit
N253	Battery isolation igniter
S245	Optional equipment main fuse
T6ab	6-pin connector, pink, on right in luggage compartment
T75	75-pin connector, grey #, on airbag control unit
B308	Positive connection 12 (30), in main wiring harness
P3	Positive connection (30), in 2nd battery wiring harness
*	models without second battery
**	models with second battery
#	USA: colour white

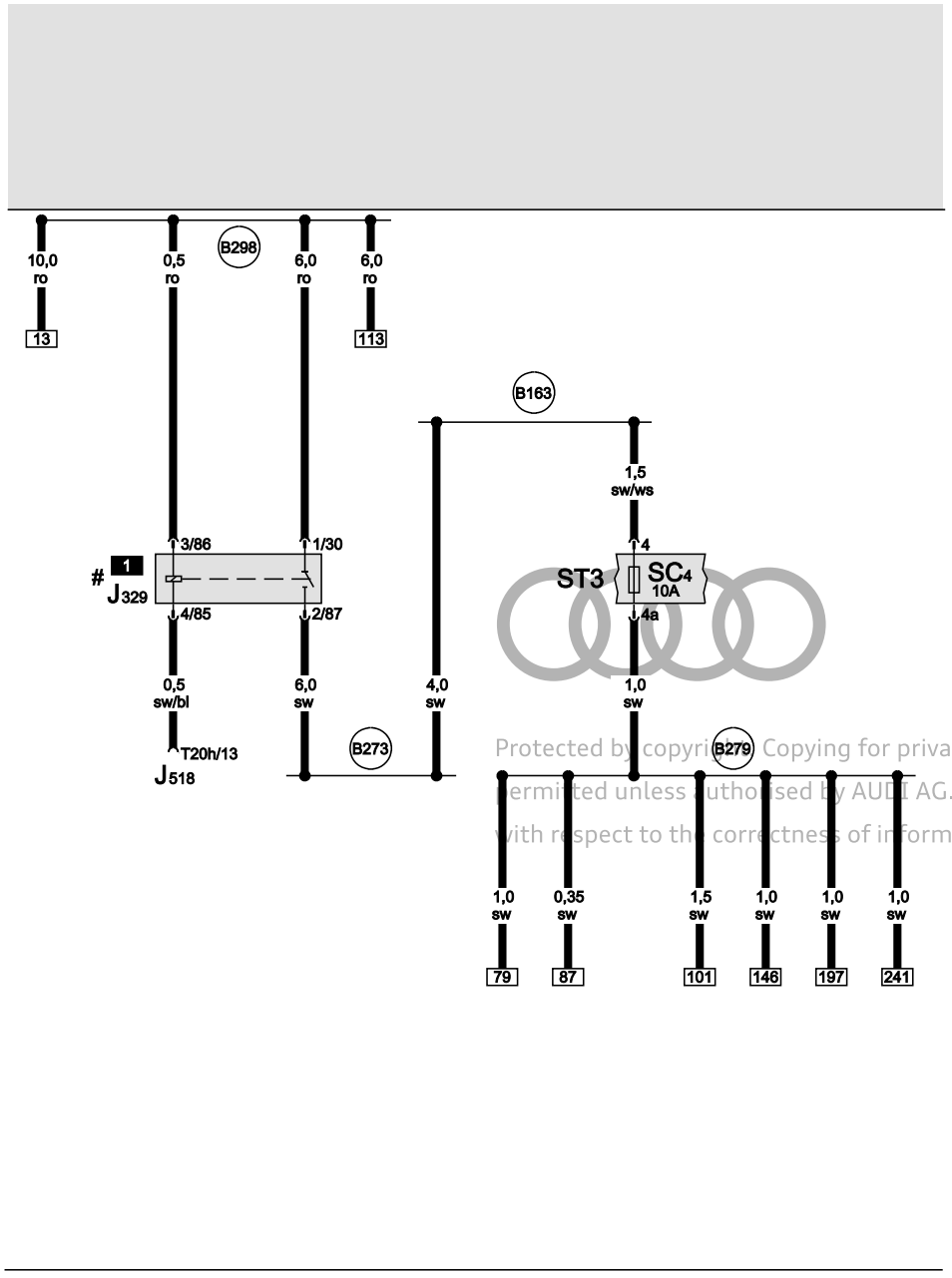


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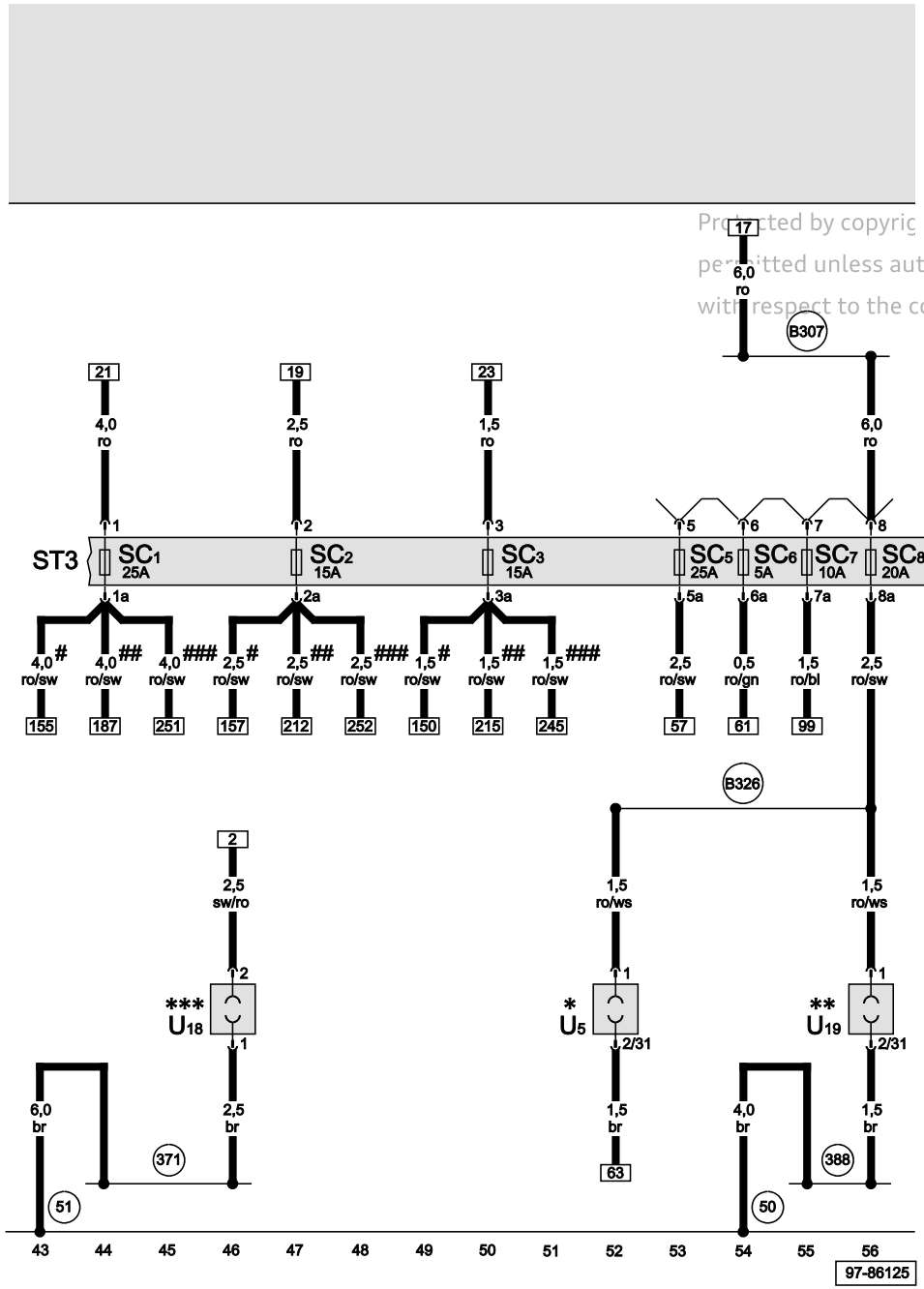
Terminal 15 voltage supply relay, fuse

J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
SC4	Fuse 4 on fuse holder
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
#	9-point relay carrier, behind driver storage compartment



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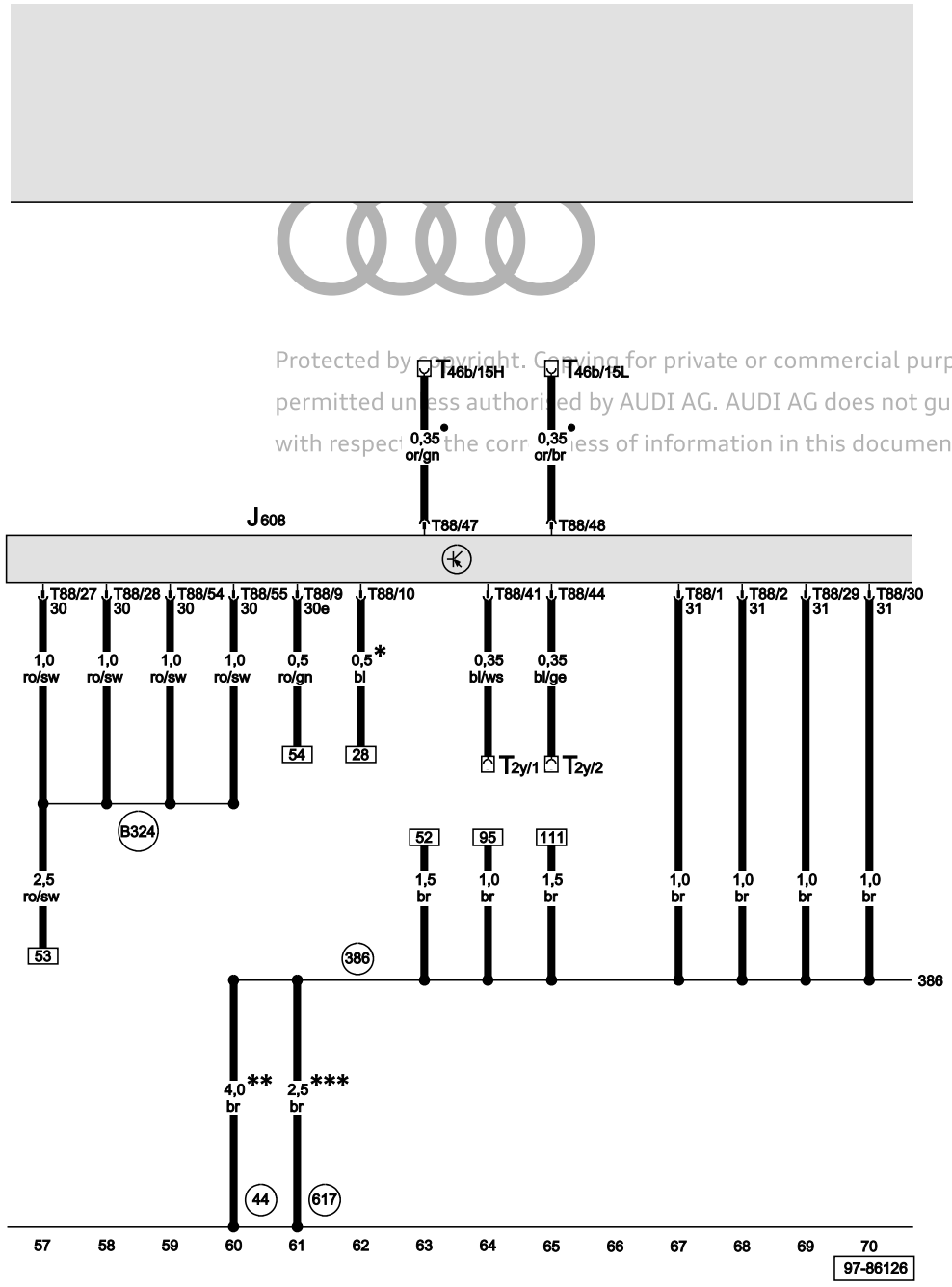
Fuses, 12 V socket

SC1	Fuse 1 on fuse holder
SC2	Fuse 2 on fuse holder
SC3	Fuse 3 on fuse holder
SC5	Fuse 5 on fuse holder
SC6	Fuse 6 on fuse holder
SC7	Fuse 7 on fuse holder
SC8	Fuse 8 on fuse holder
U5	12 V socket
U18	12 V socket 2
U19	12 V socket 3

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50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
B307	Positive connection 11 (30), in main wiring harness
B326	Positive connection 12 (30a), in main wiring harness

*	in front passenger footwell on centre console
**	on left in luggage compartment
***	on right in luggage compartment
#	signal system DKL german special police
##	Signal system Topas
###	Signal system RTK 6



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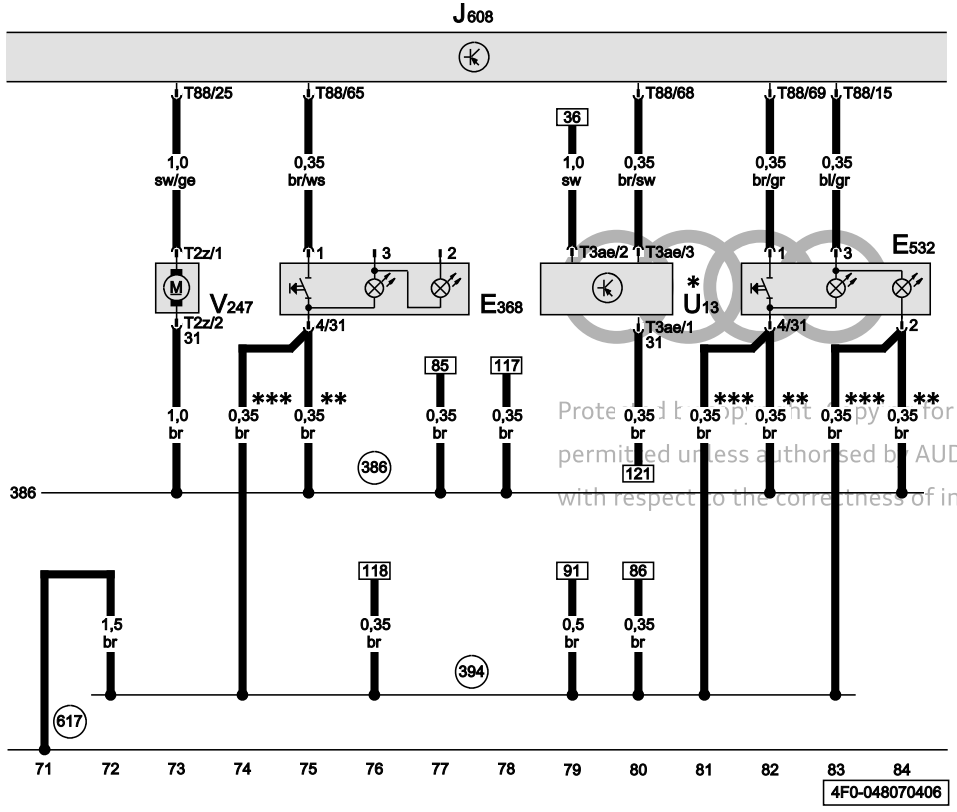
Special vehicle control unit

J608	Special vehicle control unit
T2y	2-pin connector, black, connector LIN bus, in glove box
T46b	46-pin connector, CAN separating connector right
T88	88-pin connector, black, on special vehicle control unit
44	Earth point, lower part of left A-pillar
386	Earth connection 21, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
B324	Positive connection 10 (30a), in main wiring harness
•	CAN bus (data wire)
*	models with second battery
**	up to October 2005
***	from November 2005

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

Special vehicle control unit, weapons box button, button to deactivate interior lights, weapons box lock motor

E368	Weapons box button
E532	Button to deactivate interior lights
J608	Special vehicle control unit
T2z	2-pin connector, green, on weapons box lock motor
T3ae	3-pin connector, black, transformer with socket, on left in luggage compartment
T88	88-pin connector, black, on special vehicle control unit
U13	Transformer with socket (12 V - 230 V)
V247	Weapons box lock motor
44	Earth point, lower part of left A-pillar
386	Earth connection 21, in main wiring harness
394	Earth connection 29, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
*	only casualty doctor equipment
**	up to October 2005
***	from November 2005



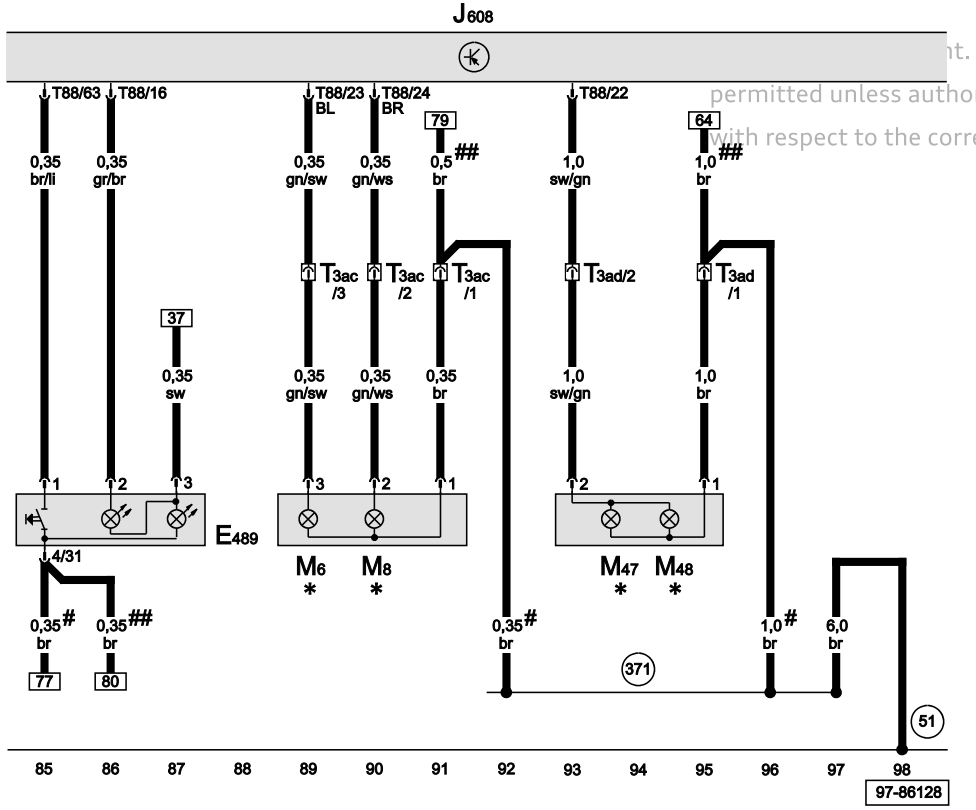
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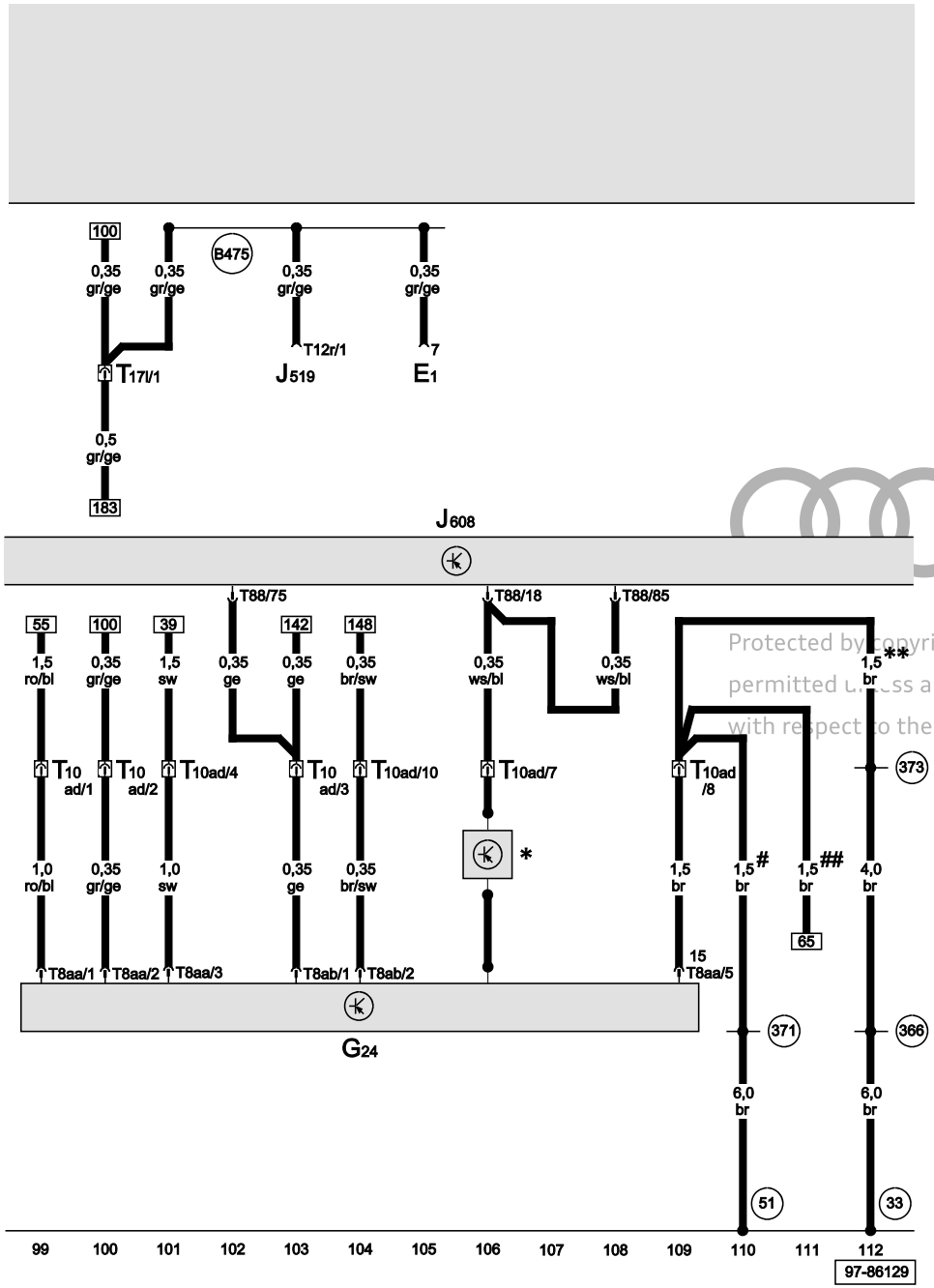
Special vehicle control unit, engine continues to run without key button, rear left and right turn signal bulb, left and right flashing light

E489	Engine continues to run without key button (engine continues to run)
J608	Special vehicle control unit
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M47	Left flashing light
M48	Right flashing light
T3ac	3-pin connector, black, on right in luggage compartment
T3ad	3-pin connector, red, on right in luggage compartment
T88	88-pin connector, black, on special vehicle control unit
(51)	Earth point, on right in luggage compartment
(371)	Earth connection 6, in main wiring harness
*	in rear lid
#	up to October 2005
##	from November 2005

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or	=	orange
rs	=	pink

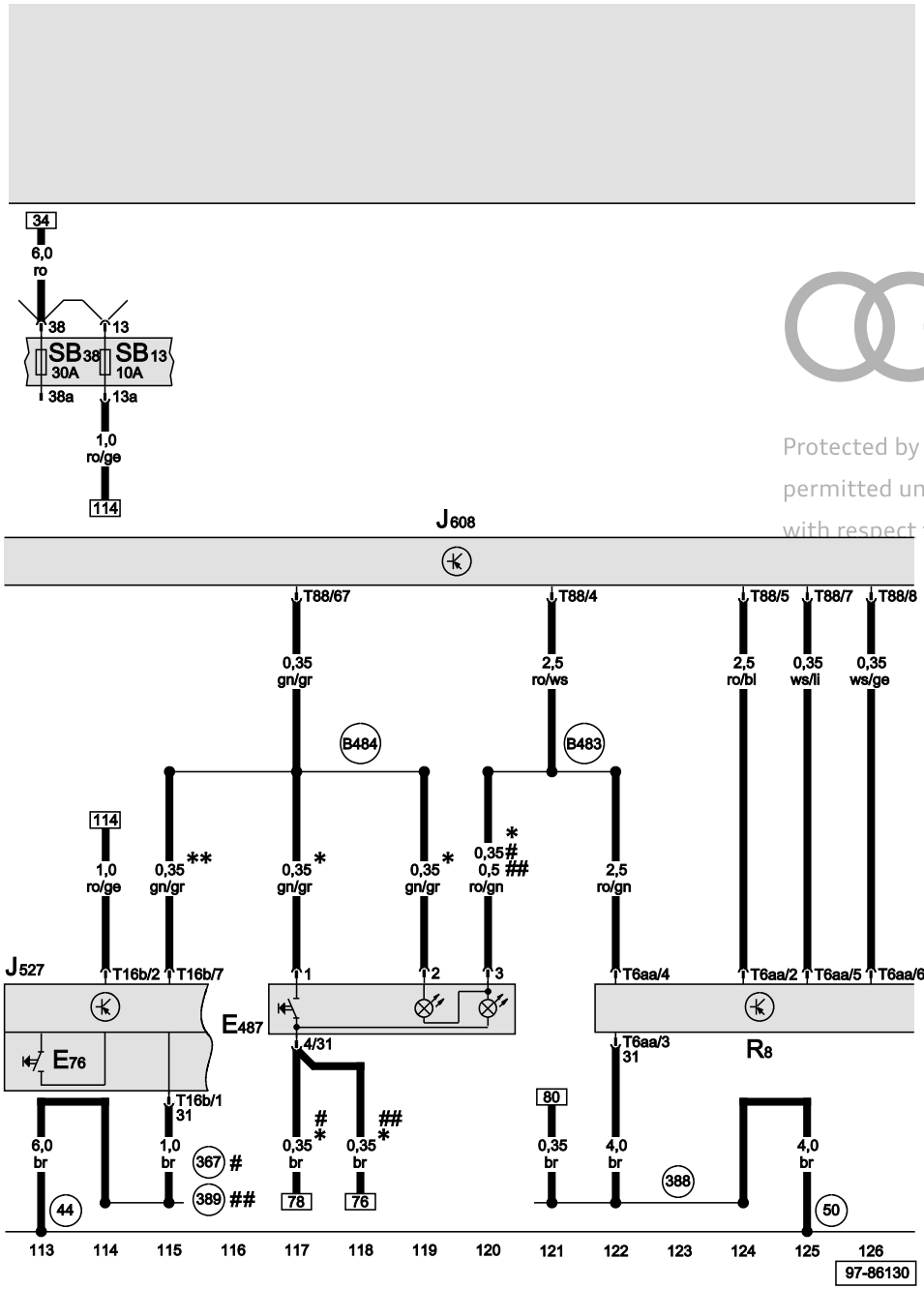


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Special vehicle control unit, tachograph

E1	Light switch
G24	Tachograph
J519	Onboard supply control unit
J608	Special vehicle control unit
T8aa	8-pin connector, on tachograph
T8ab	8-pin connector, on tachograph
T10ad	10-pin connector, black, interchange connector tachographr
T12r	12-pin connector, black, connector B, on onboard power supply control unit
T17l	17-pin connector, brown, coupling station on right of A-pillar
T88	88-pin connector, black, on special vehicle control unit
33	Earth point, on right behind dash panel
51	Earth point, on right in luggage compartment
366	Earth connection 1, in main wiring harness
371	Earth connection 6, in main wiring harness
373	Earth connection 8, in main wiring harness
B475	Connection 11, in main wiring harness
*	V-signal coding
**	phased-in modification
#	up to October 2005
##	from November 2005

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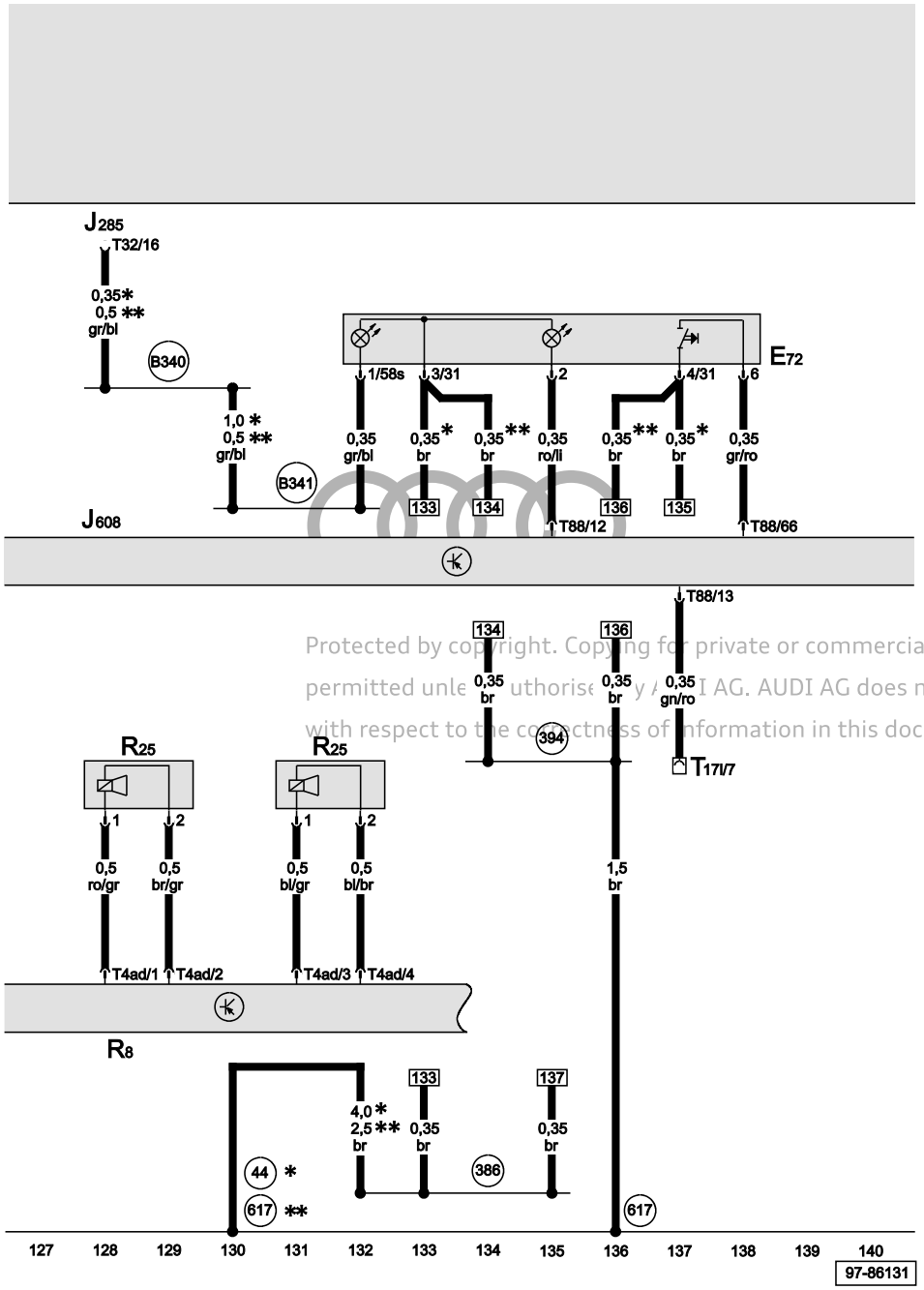
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Special vehicle control unit, two-way radio, hands-free system button, two-way radio button

E76	Two-way radio button
E487	Hands-free system button
J527	Steering column electronics control unit
J608	Special vehicle control unit
R8	Two-way radio
SB13	Fuse 13 on fuse holder
SB38	Fuse 38 on fuse holder
T6aa	6-pin connector, black, on two-way radio
T16b	16-pin connector, behind steering column switch trim
T88	88-pin connector, black, on special vehicle control unit
44	Earth point, lower part of left A-pillar
50	Earth point, on left in luggage compartment
367	Earth connection 2, in main wiring harness
388	Earth connection 23, in main wiring harness
389	Earth connection 24, in main wiring harness
B483	Connection 19, in main wiring harness
B484	Connection 20, in main wiring harness

* models with hands-free system button
** models with two-way radio button on steering column switch
\# up to October 2005
\#\# from November 2005

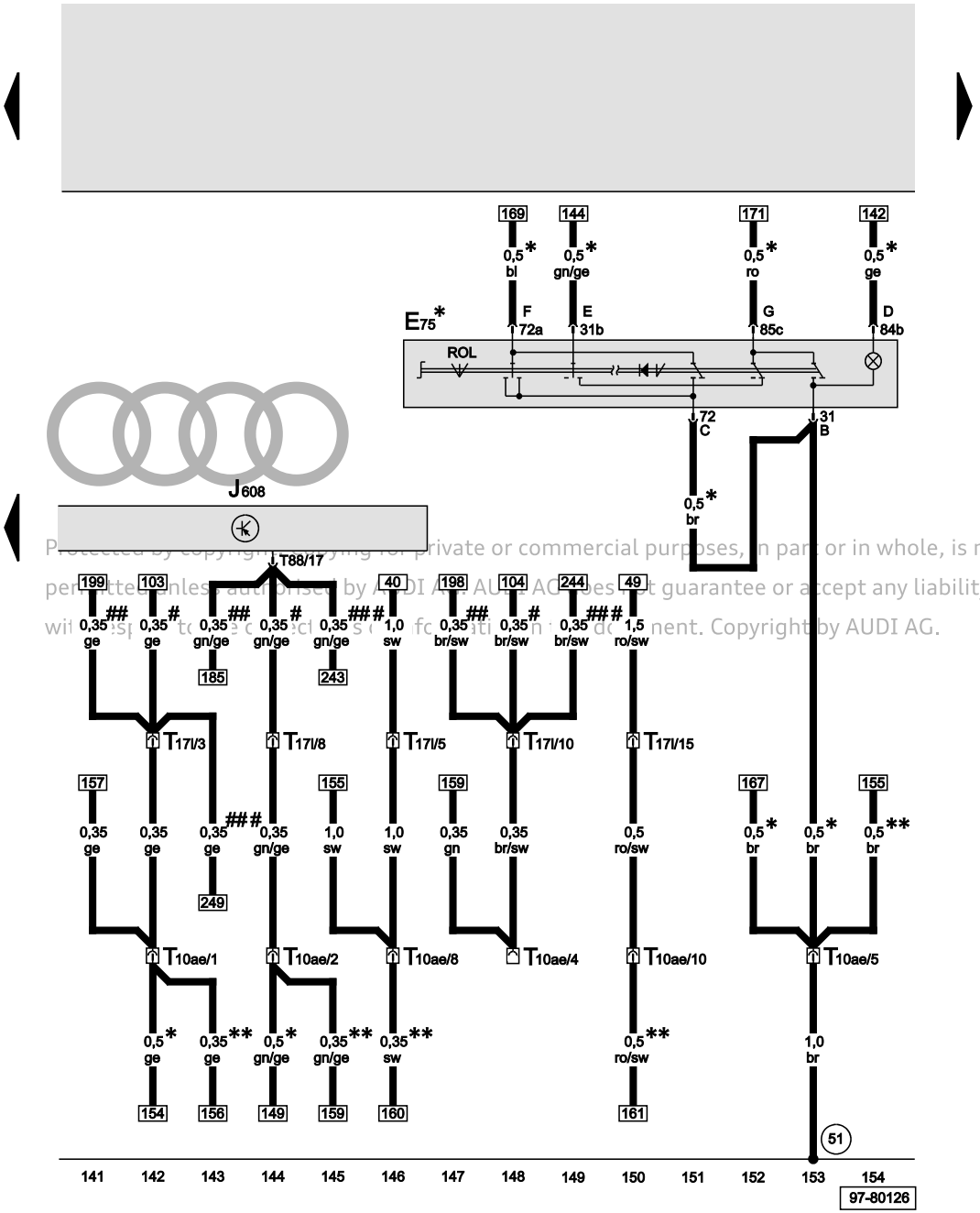


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Special vehicle control unit, two-way radio, 2-way radio switch, two-way radio loudspeaker

E72	2-way radio switch
J285	Control unit in dash panel insert
J608	Special vehicle control unit
R8	Two-way radio
R25	Two-way radio loudspeaker
T4ad	4-pin connector, on two-way radio
T17l	17-pin connector, brown, coupling station on right of A-pillar
T32	32-pin connector, grey, on dash panel insert
T88	88-pin connector, black, on special vehicle control unit
44	Earth point, lower part of left A-pillar
386	Earth connection 21, in main wiring harness
394	Earth connection 29, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	up to October 2005
**	from November 2005

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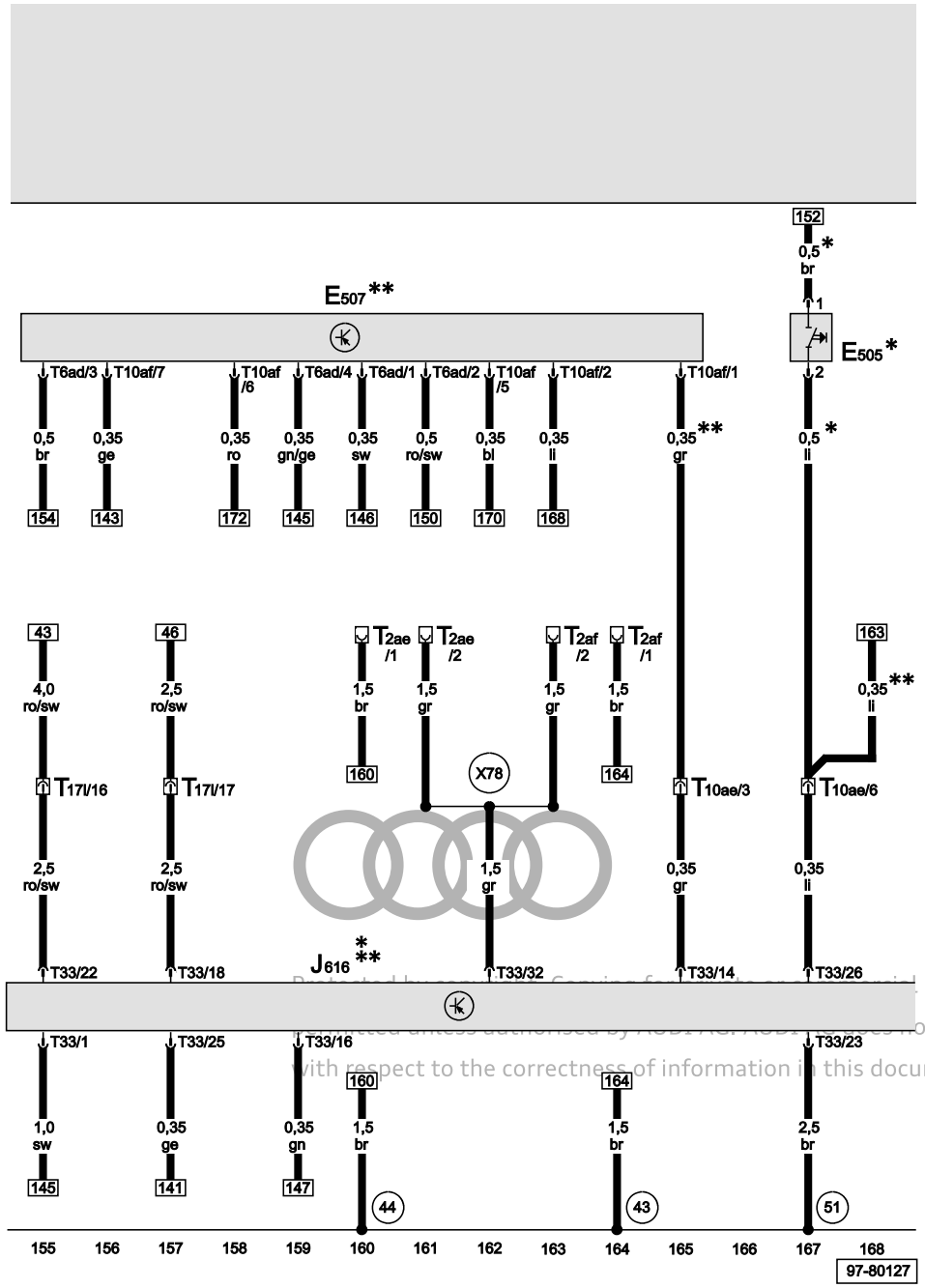


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signal system DKL german special police

E75	Alarm system switch
J608	Special vehicle control unit
T10ae	10-pin connector, interchange connector in centre console
T17l	17-pin connector, brown, coupling station on right of A-pillar
T88	88-pin connector, black, on special vehicle control unit
51	Earth point, on right in luggage compartment
*	german special police with alarm rotary pull switch
**	german special police with operating unit special signals (BE200)
#	signal system DKL german special police
##	Signal system Topas
###	Signal system RTK 6

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



signal system DKL german special police

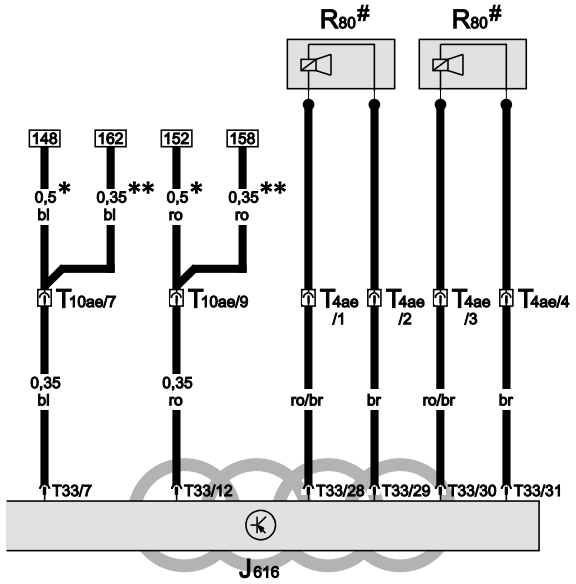
E505	Special signal system change-over button
E507	Operating unit for special signals
J616	Signal system control unit
T2ae	2-pin connector, left A-pillar, blue flashing light
T2af	2-pin connector, right A-pillar, blue flashing light
T6ad	6-pin connector, on operating unit for special signals
T10ae	10-pin connector, interchange connector in centre console
T10af	10-pin connector, on operating unit for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
T33	33-pin connector, on signal system control unit
43	Earth point, lower part of right A-pillar
44	Earth point, lower part of left A-pillar
51	Earth point, on right in luggage compartment
X78	Connection 1, in optional equipment wiring harness
*	german special police with alarm rotary pull switch
**	german special police with operating unit special signals (BE200)

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

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signal system DKL german special police

J616	Signal system control unit
R80	Loudspeaker for special signals
T4ae	4-pin connector, in engine compartment
T10ae	10-pin connector, interchange connector in centre console
T33	33-pin connector, on signal system control unit
*	german special police with alarm rotary pull switch
**	german special police with operating unit special signals (BE200)
#	Pressure chamber loudspeaker, in engine compartment

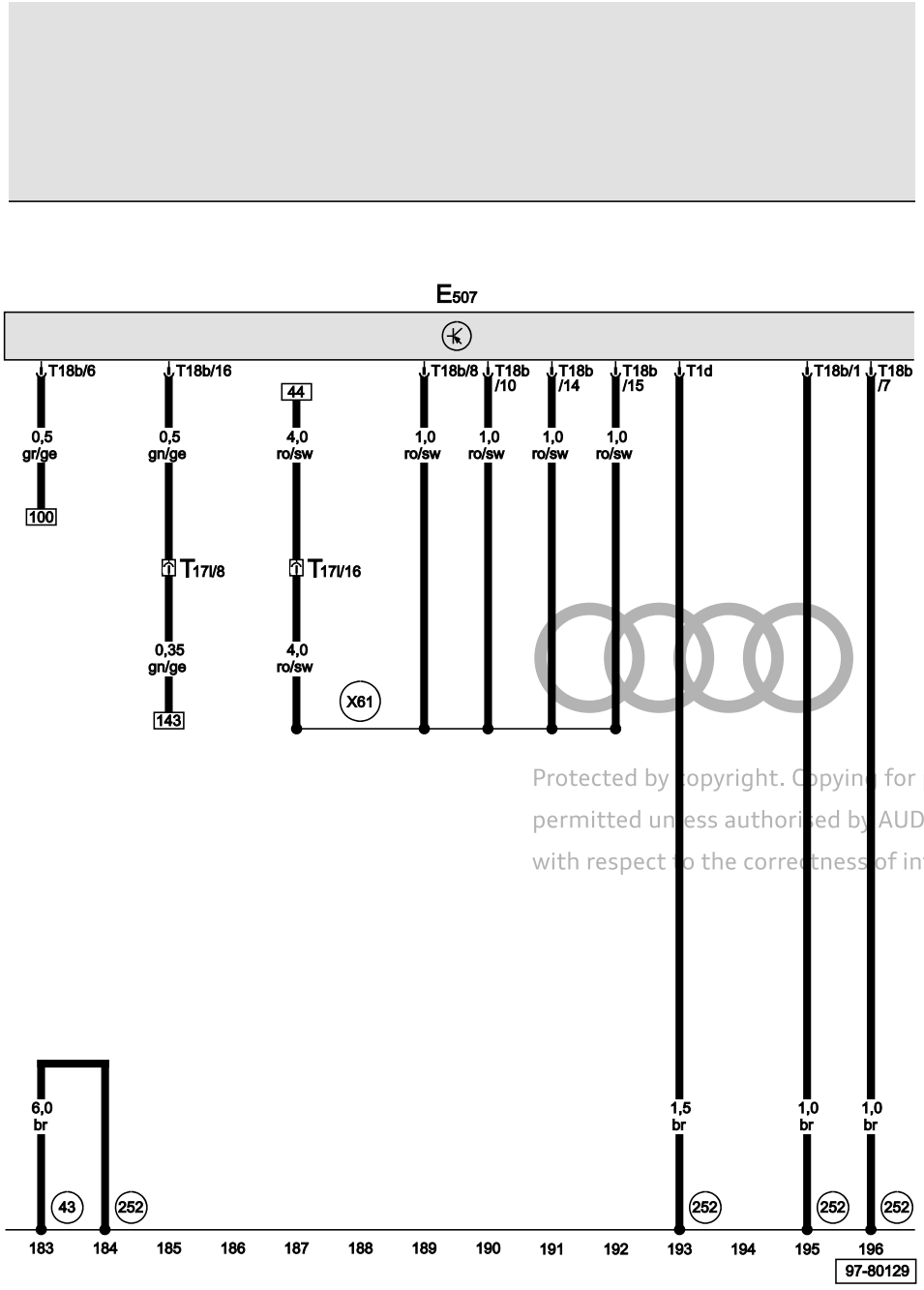


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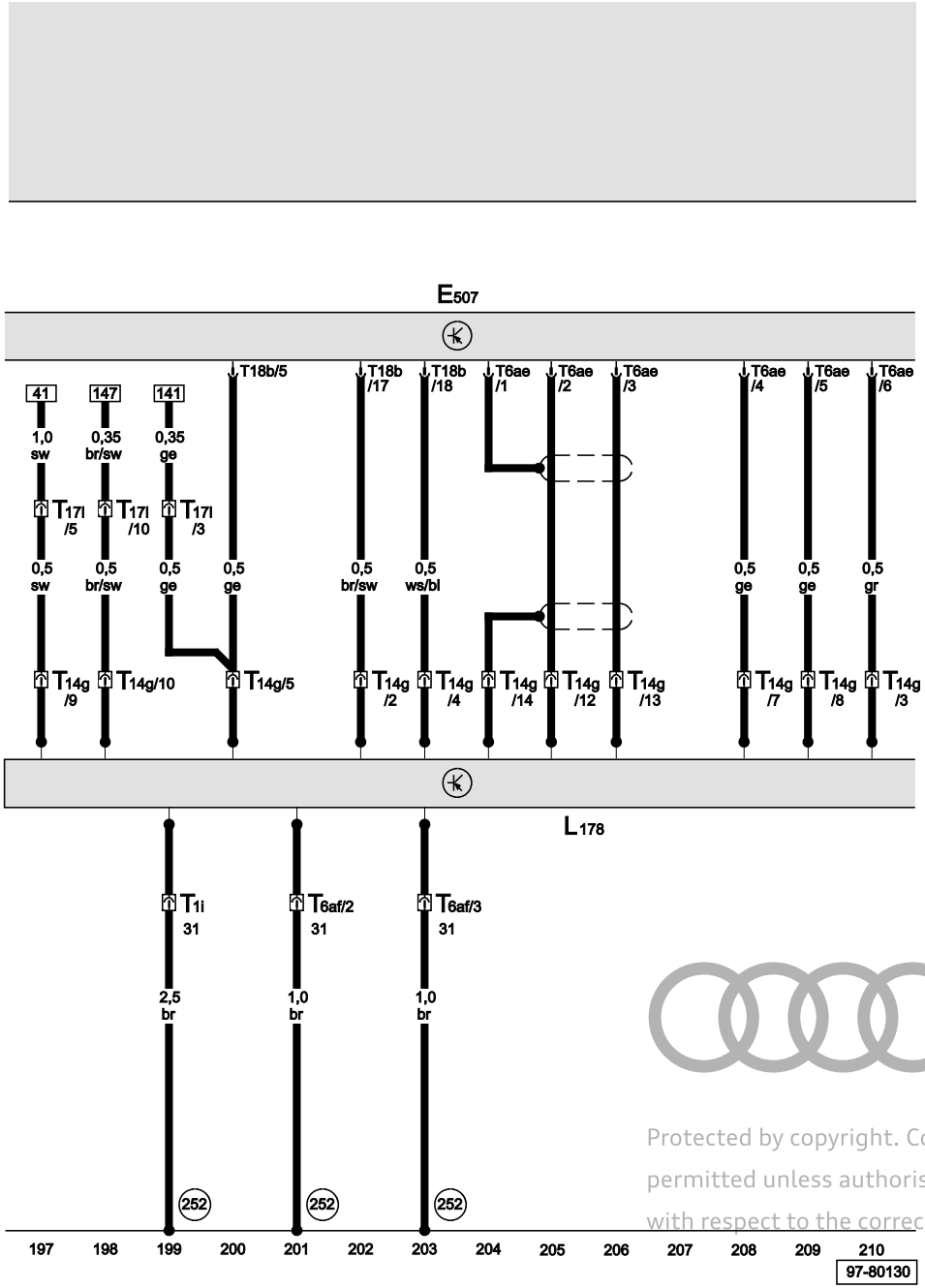


Signal system Topas

E507	Operating unit for special signals
T1d	Single connector, on operating unit for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
T18b	18-pin connector, on operating unit for special signals
43	Earth point, lower part of right A-pillar
252	Earth connection, in optional equipment wiring harness
X61	Positive connection (30), in optional equipment wiring harness

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or	=	orange
rs	=	pink

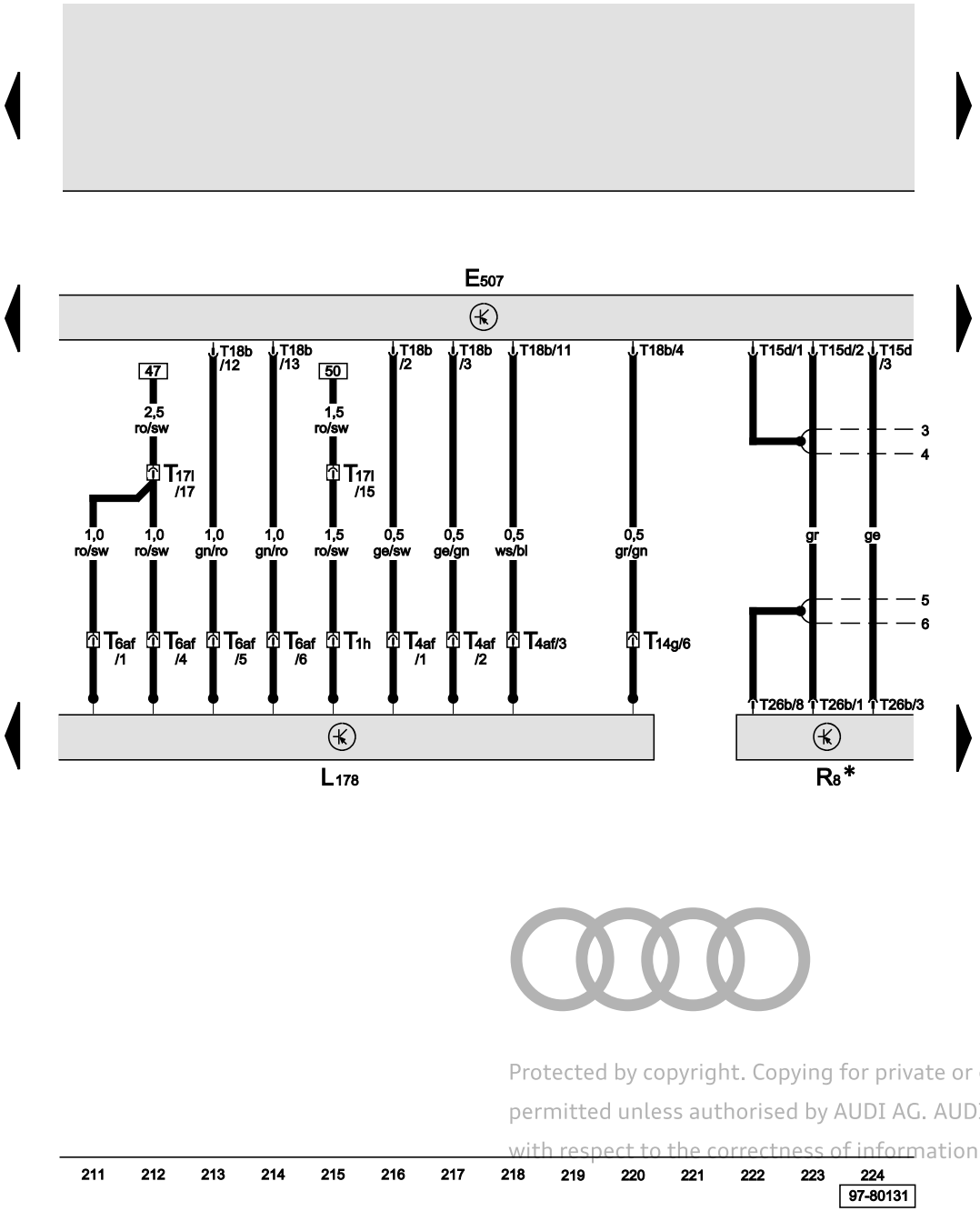


Signal system Topas

E507	Operating unit for special signals
L178	Special signal system with light bar and lettering
T1i	Single connector, to roof carrier for special signals
T6ae	6-pin connector, on operating unit for special signals
T6af	6-pin connector, to roof carrier for special signals
T14g	14-pin connector, to roof carrier for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
T18b	18-pin connector, on operating unit for special signals
(252)	Earth connection, in optional equipment wiring harness

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
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Signal system Topas

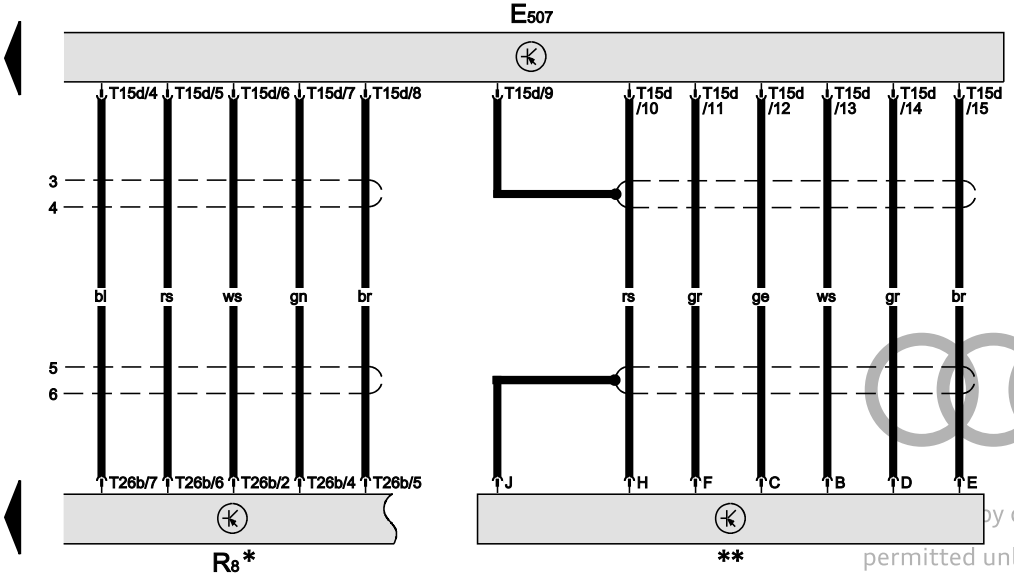
E507	Operating unit for special signals
L178	Special signal system with light bar and lettering
R8	Two-way radio
T1h	Single connector, to roof carrier for special signals
T4af	4-pin connector, to roof carrier for special signals
T6af	6-pin connector, to roof carrier for special signals
T14g	14-pin connector, to roof carrier for special signals
T15d	15-pin connector, on operating unit for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
T18b	18-pin connector, on operating unit for special signals
T26b	26-pin connector, on two-way radio
*	Bosch MBG 228

ws	=	white
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Signal system Topas

E507	Operating unit for special signals
R8	Two-way radio
T15d	15-pin connector, on operating unit for special signals
T26b	26-pin connector, on two-way radio
*	Bosch MBG 228
**	two-way radio hanset



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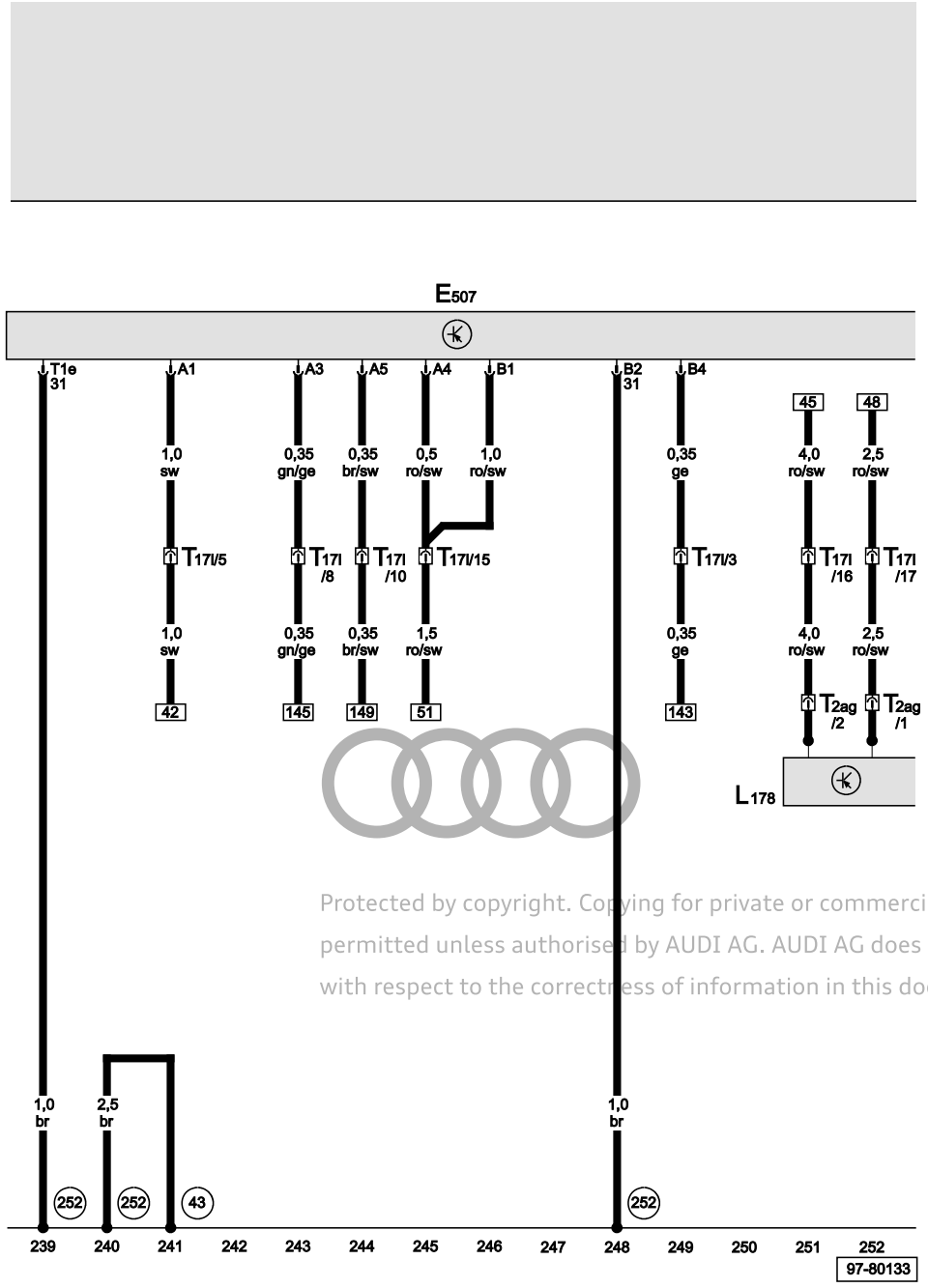
225 226 227 228 229 230 231 232 233 234 235 236 237 238

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ro	=	red
br	=	brown
gn	=	green
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gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink

Signal system RTK 6

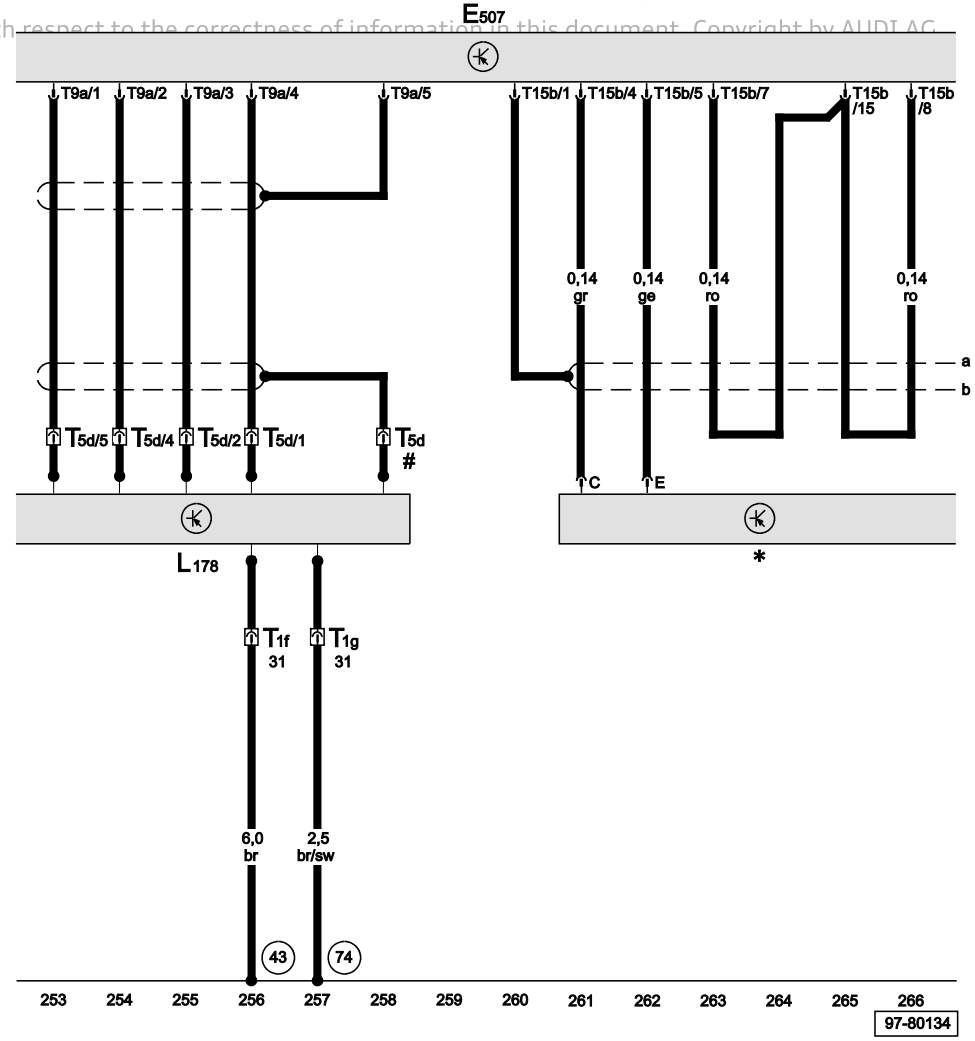
E507	Operating unit for special signals
L178	Special signal system with light bar and lettering
T2ag	2-pin connector, to roof carrier for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
43	Earth point, lower part of right A-pillar
252	Earth connection, in optional equipment wiring harness



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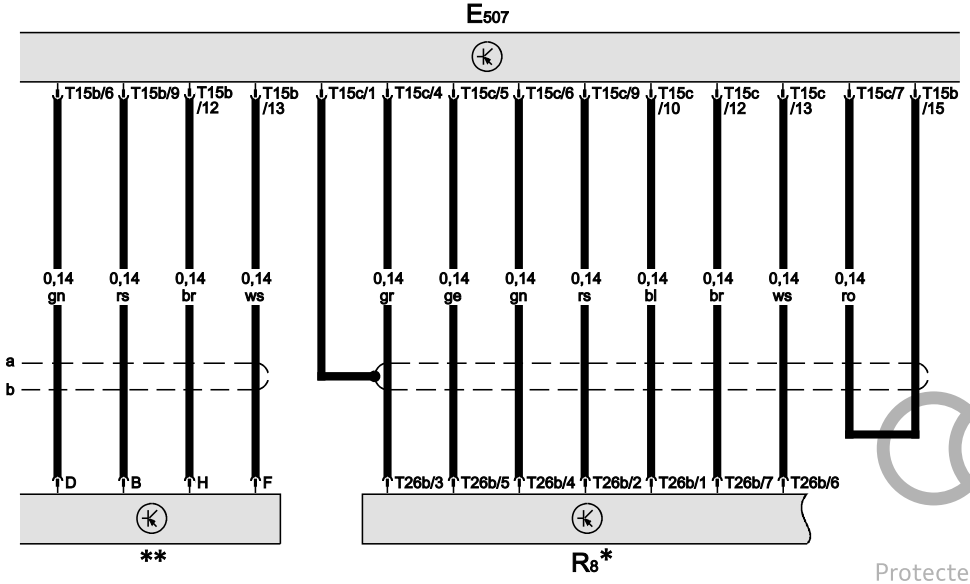
Signal system RTK 6

E507	Operating unit for special signals
L178	Special signal system with light bar and lettering
T1f	Single connector, to roof carrier for special signals
T1g	Single connector, to roof carrier for special signals
T5d	5-pin connector, to roof carrier for special signals
T9a	9-pin connector, on operating unit for special signals
T15b	15-pin connector, on operating unit for special signals
43	Earth point, lower part of right A-pillar
74	Earth point, under headlining
#	screening on connector housing
*	two-way radio hanset

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

Signal system RTK 6

E507	Operating unit for special signals
R8	Two-way radio
T15b	15-pin connector, on operating unit for special signals
T15c	15-pin connector, on operating unit for special signals
T26b	26-pin connector, on two-way radio
*	Bosch MGB 228
**	two-way radio hanset

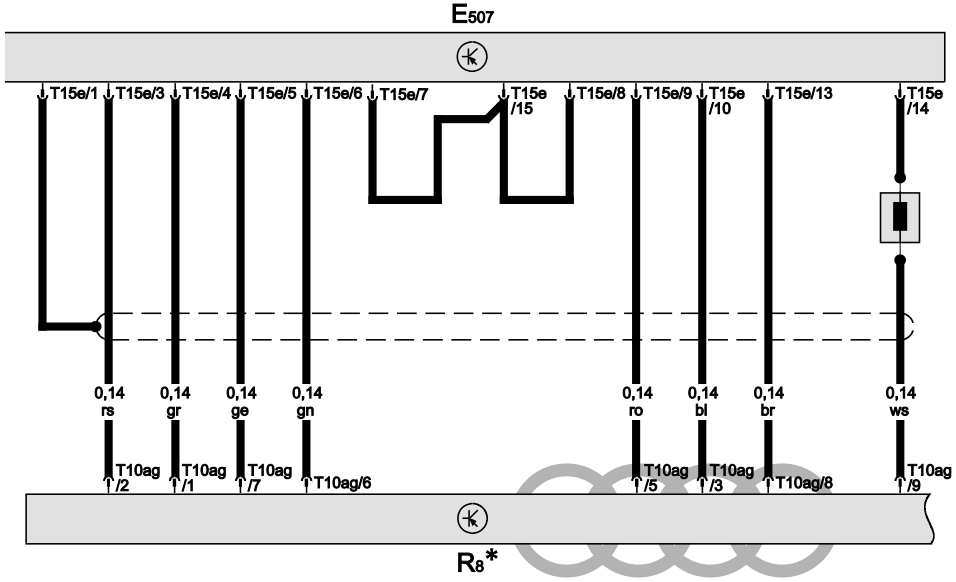


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or	=	orange
rs	=	pink

Signal system RTK 6

E507	Operating unit for special signals
R8	Two-way radio
T10ag	10-pin connector, on two-way radio
T15e	15-pin connector, on operating unit for special signals
*	Two-way radio AEG Teledux

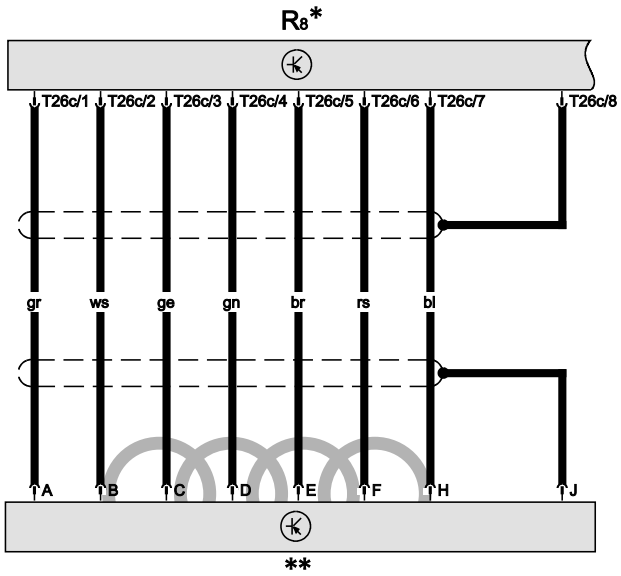


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Radio frequency range NEF civil

R8	Two-way radio
T26c	26-pin connector, on two-way radio
*	two-way radio MBG 228
**	two-way radio hanset



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295	296	297	298	299	300	301	302	303	304	305	306	307	308

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Communication Japan (8DZ, 7Q6, QV1, 7D0, 7D1)

⇒ **MMI**
⇒ **Multimedia system operating unit**
⇒ **Radio (K-box)**
⇒ **Navigation system**
⇒ **Telephone, chip card reader control unit**
⇒ **TV tuner**
⇒ **Media player**

from model year 2005

Notes:

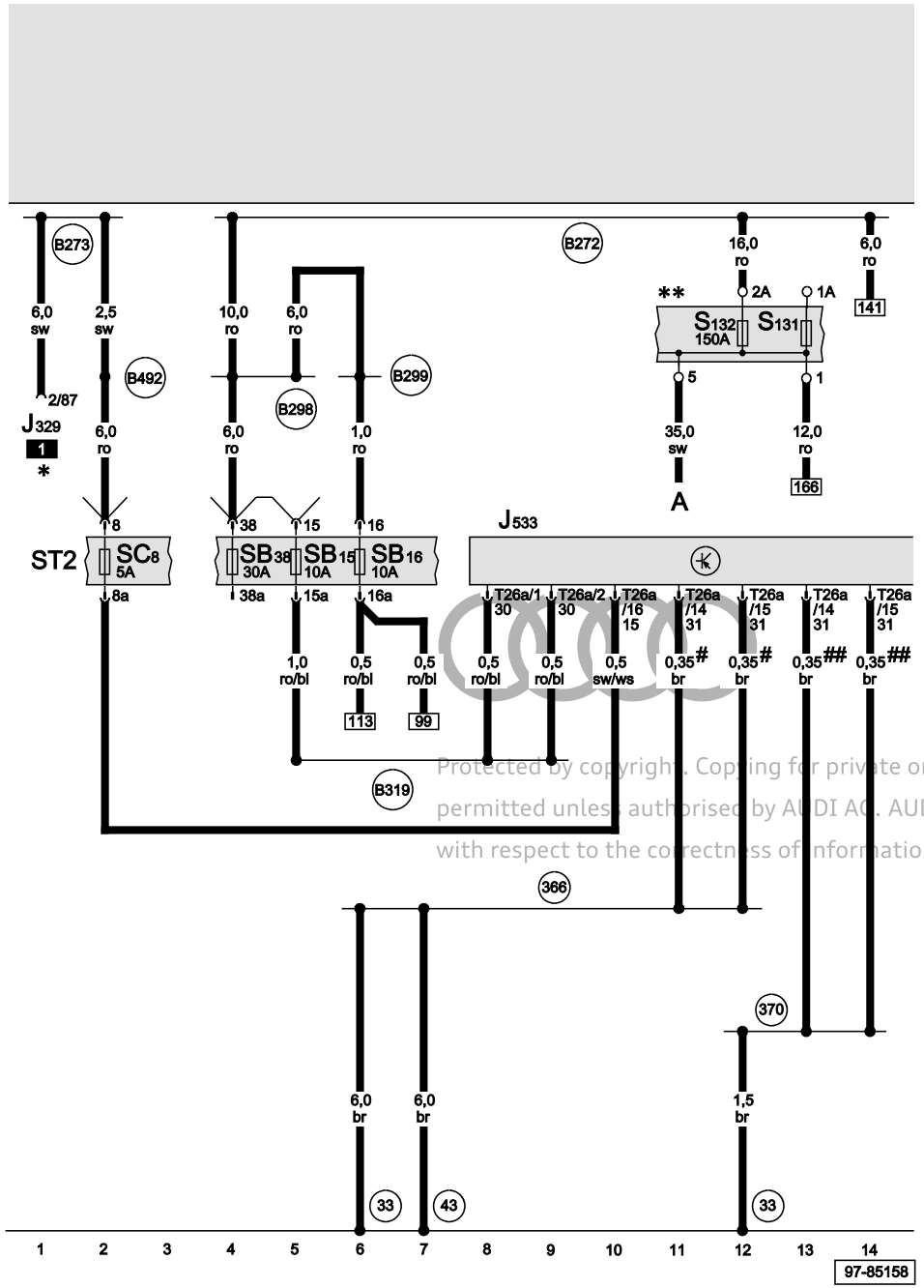
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

⇒ guided fault finding

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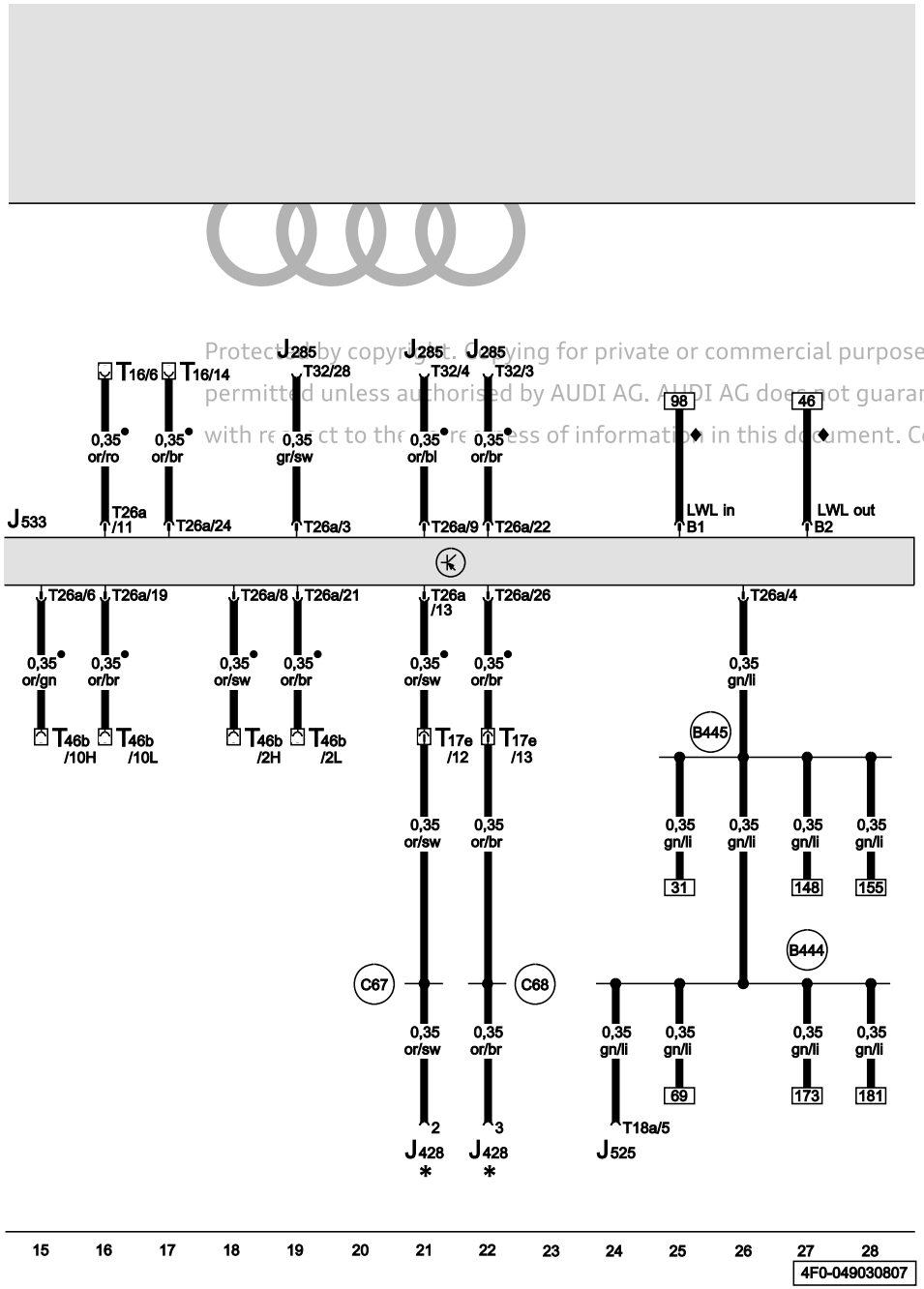


ws = white
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or = orange
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Data bus diagnostic interface, fuses

A	Battery
J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
S131	Fuse 1
S132	Fuse 2
SB15	Fuse 15 on fuse holder
SB16	Fuse 16 on fuse holder
SB38	Fuse 38 on fuse holder
SC8	Fuse 8 on fuse holder
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	Fuse and relay carrier right in luggage compartment
**	9-point relay carrier, behind driver storage compartment
#	up to model year 2005
##	from model year 2006

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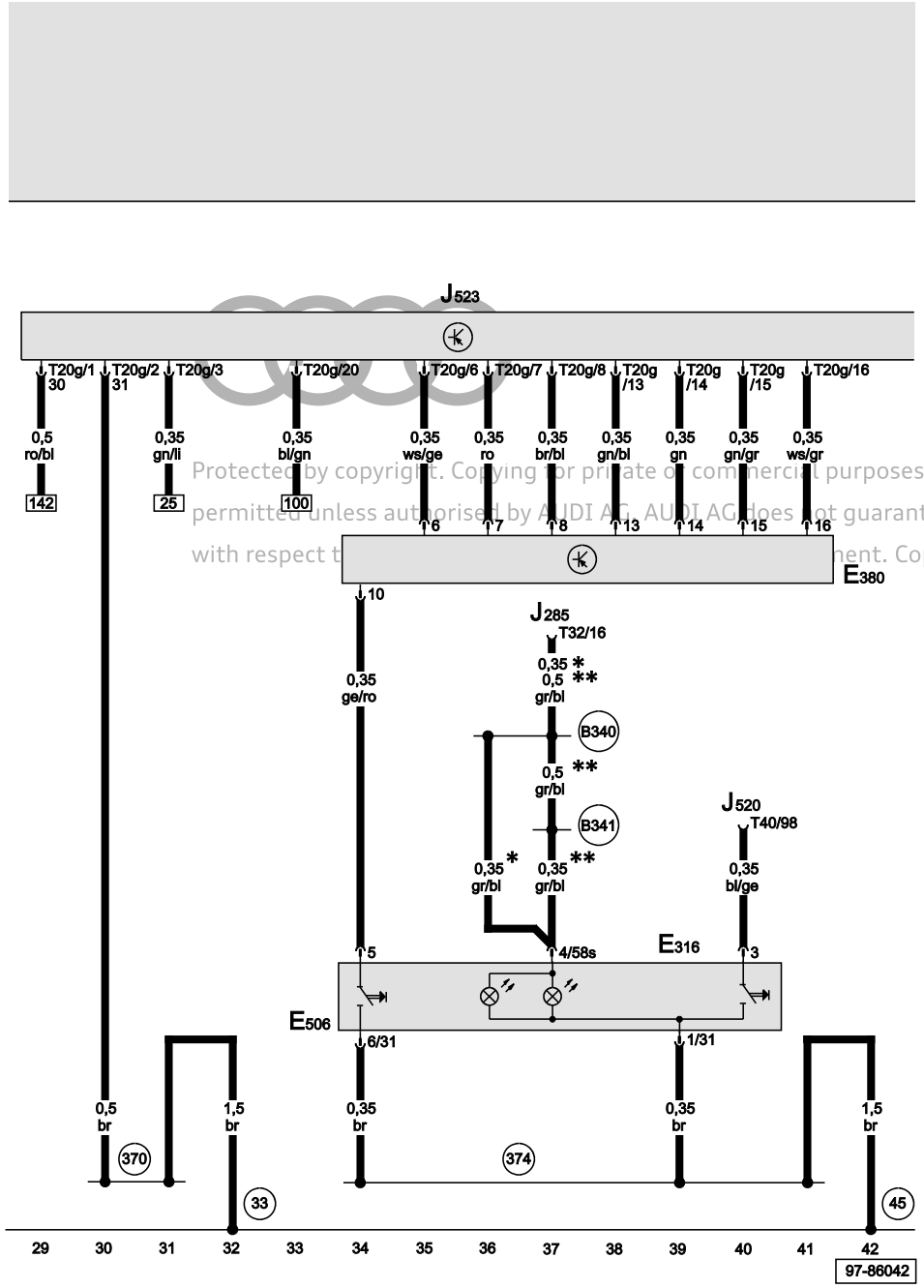
Data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
T16	16-pin connector, diagnostic connector
T17e	17-pin connector, red, coupling station on left of A-pillar
T18a	18-pin connector, black, connector C, on digital sound package control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T46b	46-pin connector, CAN separating connector right
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
C67	Connection (CAN bus, high), in headlight wiring harness
C68	Connection (CAN bus, low), in headlight wiring harness
•	CAN bus (data wire)
*	models with adaptive cruise
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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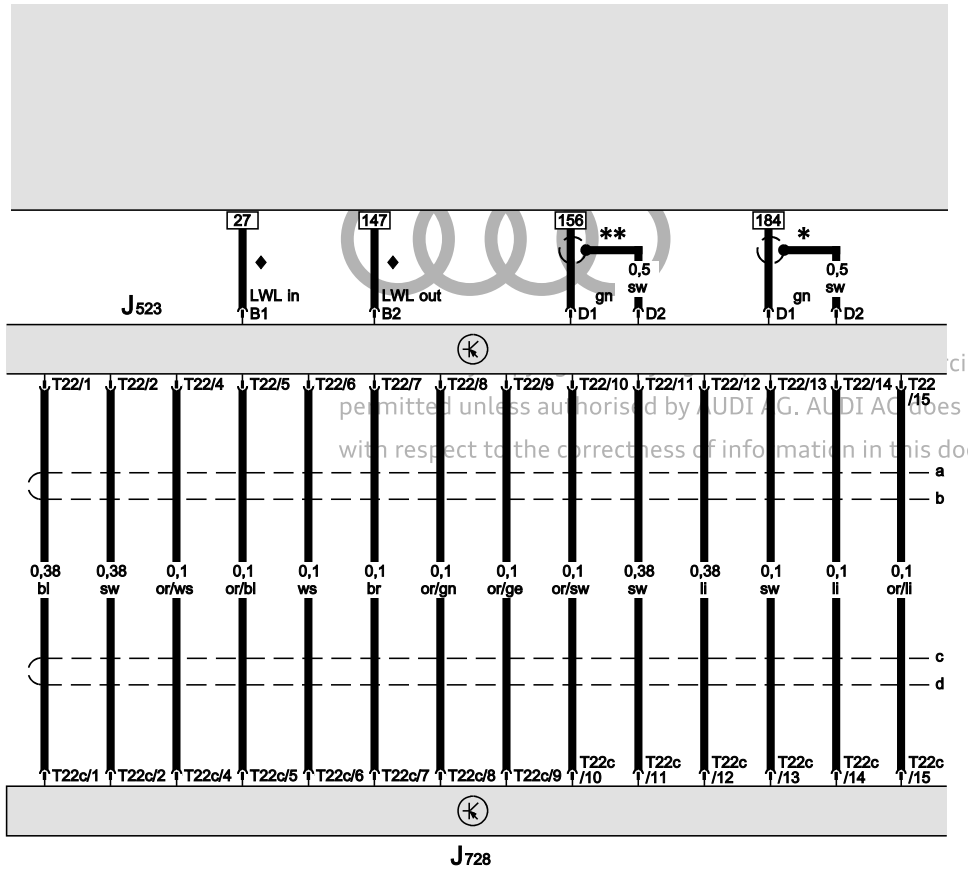
Front information display and operating unit control unit, multimedia system operating unit, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	up to October 2005
**	from November 2005



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Front information display and operating unit control unit, display and operating unit change-over unit

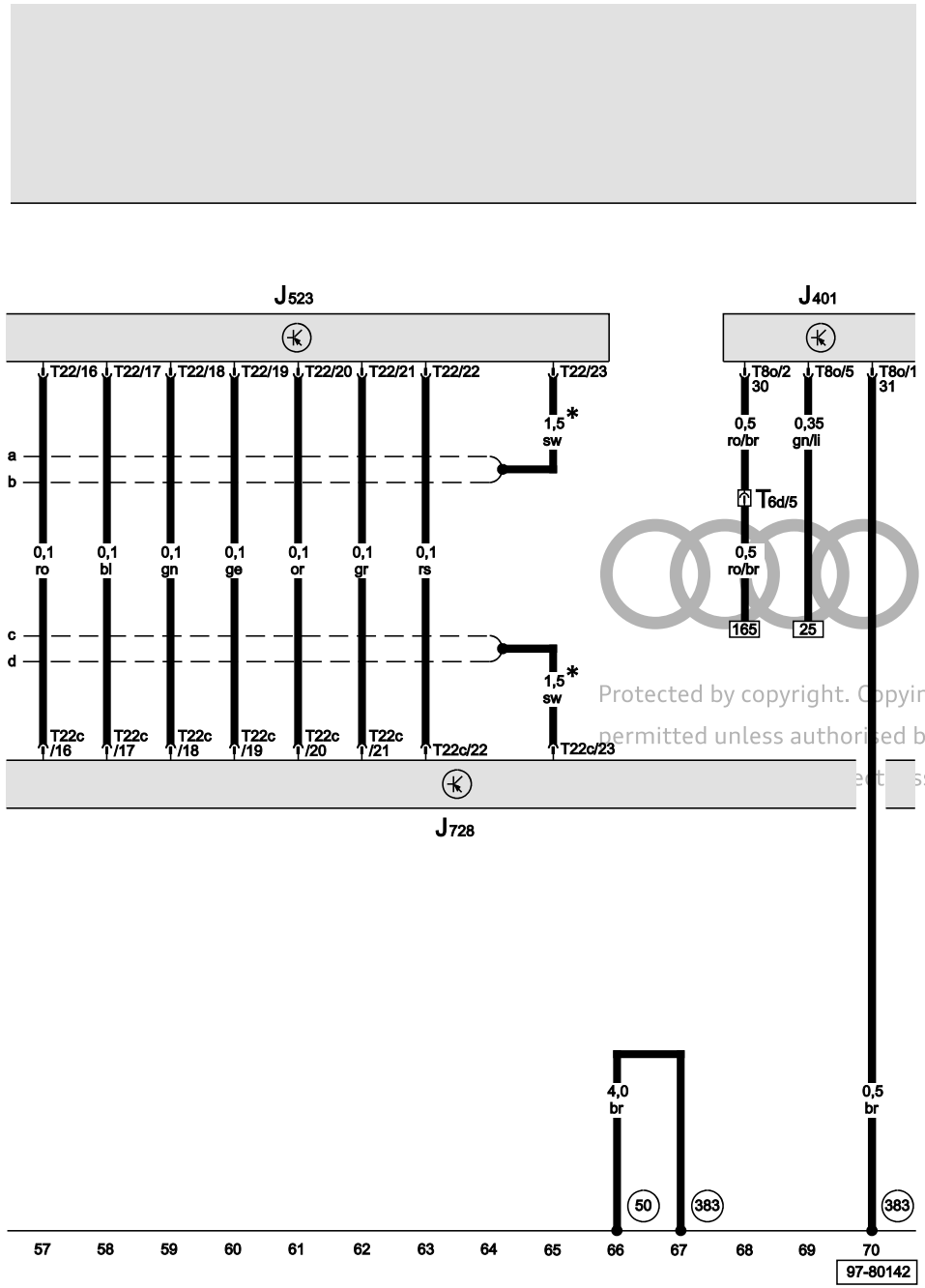
J523	Front information display and operating unit control unit
J728	Display and operating unit change-over unit
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22c	22-pin connector, connector C, on display and operating unit change-over unit
*	models without DVD player
**	models with DVD player
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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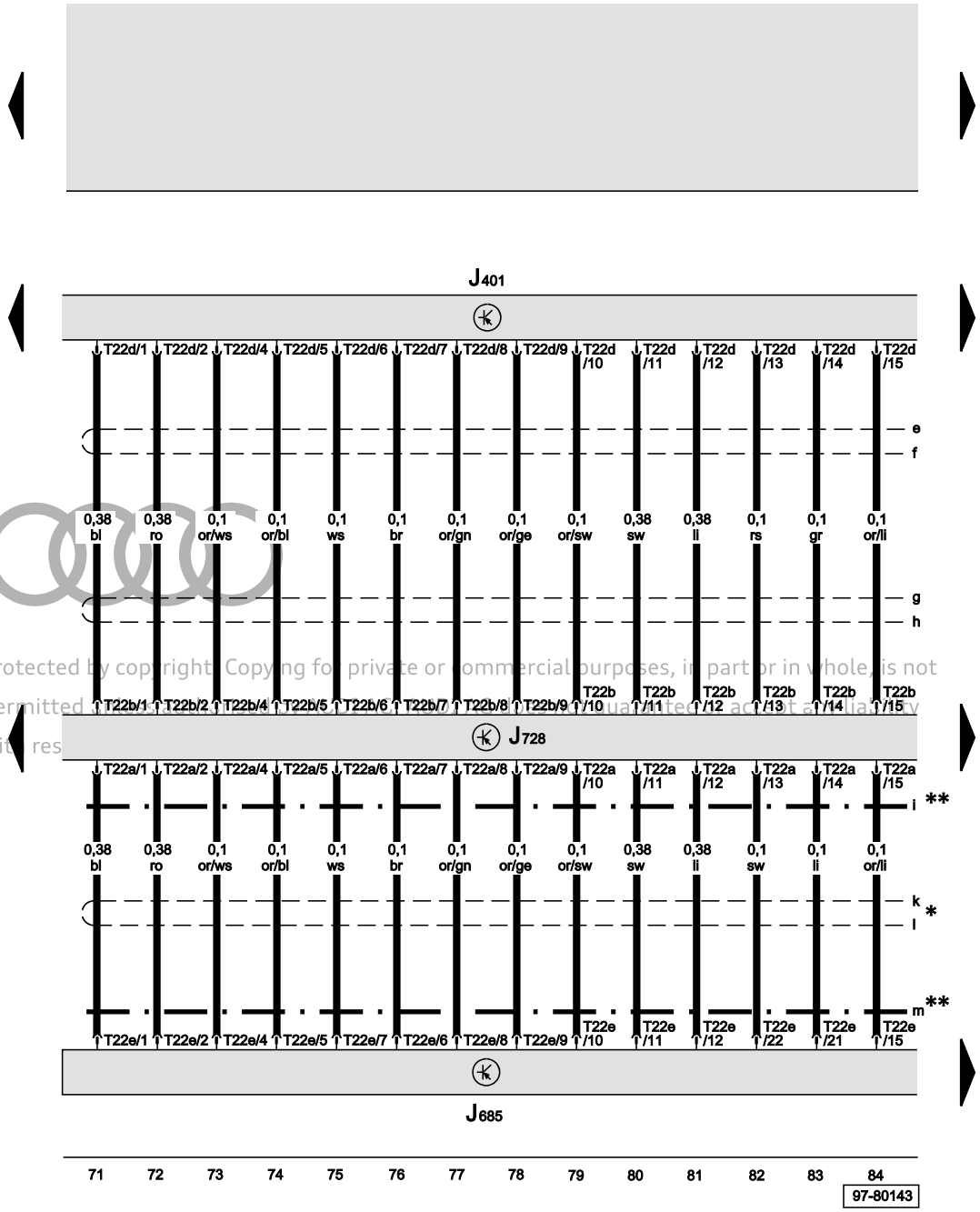
Front information display and operating unit control unit, display and operating unit change-over unit, navigation system with CD drive control unit

J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
J728	Display and operating unit change-over unit
T6d	6-pin connector, black, on left in luggage compartment
T8o	8-pin connector, black, on navigation system with CD drive control unit
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22c	22-pin connector, connector C, on display and operating unit change-over unit
(50)	Earth point, on left in luggage compartment
(383)	Earth connection 18, in main wiring harness
*	screening on connector housing



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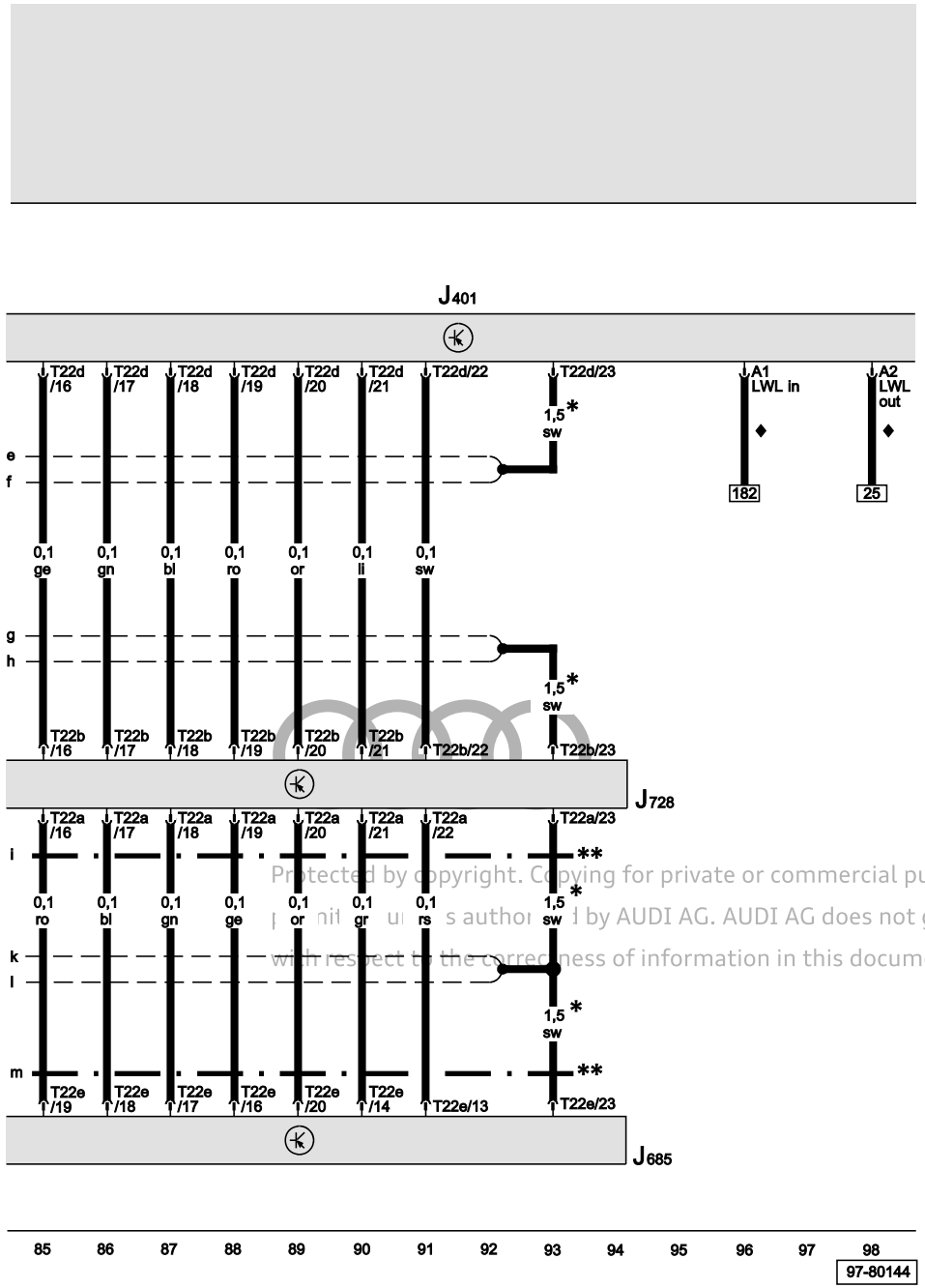


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Navigation system with CD drive control unit, display unit for front information display and operating unit control unit, display and operating unit change-over unit

J401	Navigation system with CD drive control unit
J685	Display unit for front information display and operating unit control unit
J728	Display and operating unit change-over unit
T22a	22-pin connector, connector A, on display and operating unit change-over unit
T22b	22-pin connector, connector B, on display and operating unit change-over unit
T22d	22-pin connector, on navigation system with CD drive control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit
*	screening on connector housing
**	ferrite core

ws	=	white
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gn	=	green
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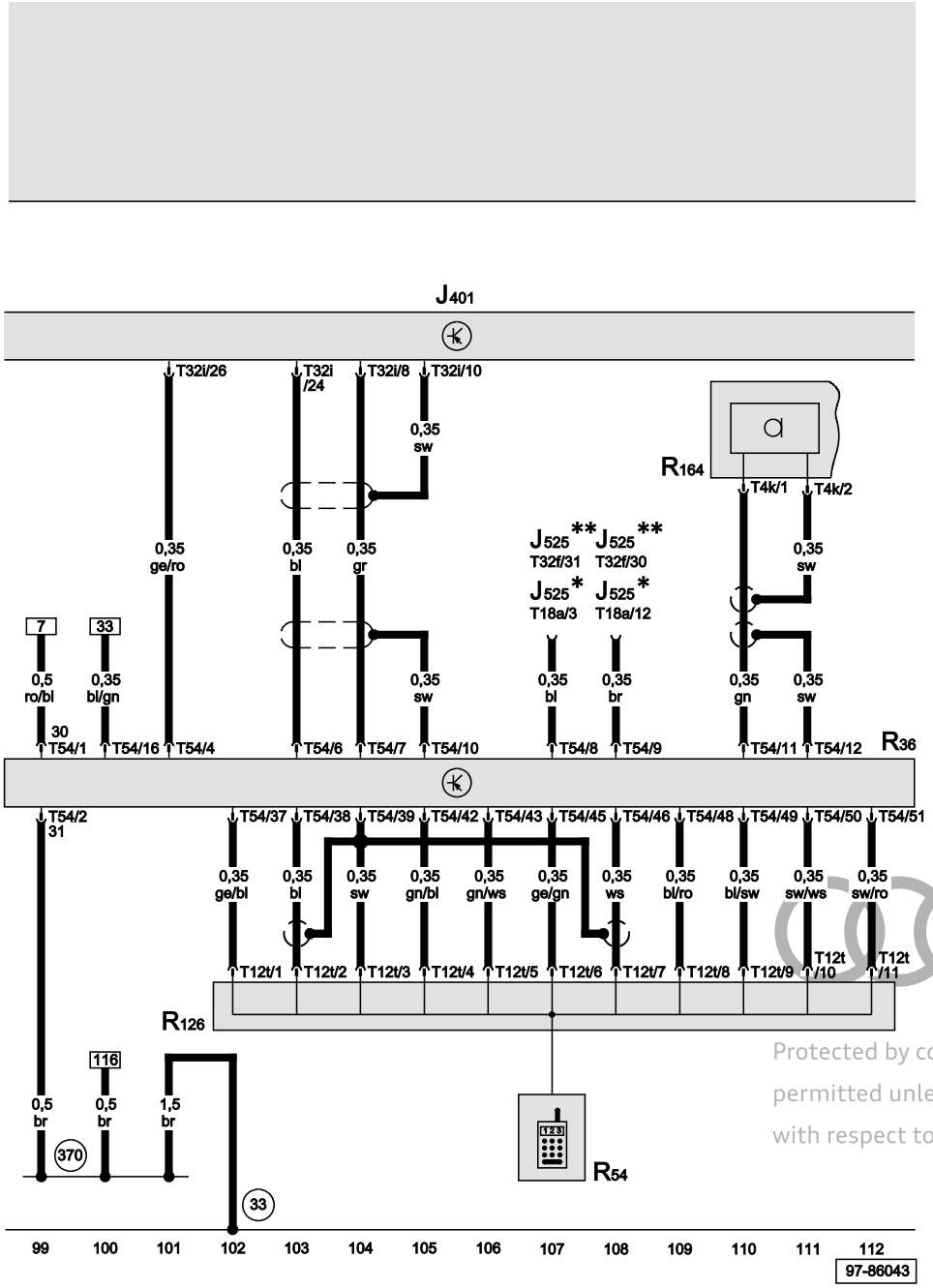


Navigation system with CD drive control unit, display unit for front information display and operating unit control unit, display and operating unit change-over unit

- J401 Navigation system with CD drive control unit
- J685 Display unit for front information display and operating unit control unit
- J728 Display and operating unit change-over unit
- T22a 22-pin connector, connector A, on display and operating unit change-over unit
- T22b 22-pin connector, connector B, on display and operating unit change-over unit
- T22d 22-pin connector, on navigation system with CD drive control unit
- T22e 22-pin connector, on display unit for front information display and operating unit control unit
- * screening on connector housing
- ** ferrite core
- ◆ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Navigation system with CD drive control unit, telephone transmitter and receiver unit, telephone bracket

J401	Navigation system with CD drive control unit
J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
R164	Microphone unit in front roof module
T4k	4-pin connector, black, microphone connection roof module
T12t	12-pin connector, on telephone bracket
T18a	18-pin connector, black, connector C, on digital sound package control unit
T32i	32-pin connector, on navigation system with CD drive control unit
T32f	32-pin connector, black, connector A, on digital sound package control unit
T54	54-pin connector, black, on telephone transmitter and receiver unit
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
*	up to October 2005
**	from November 2005

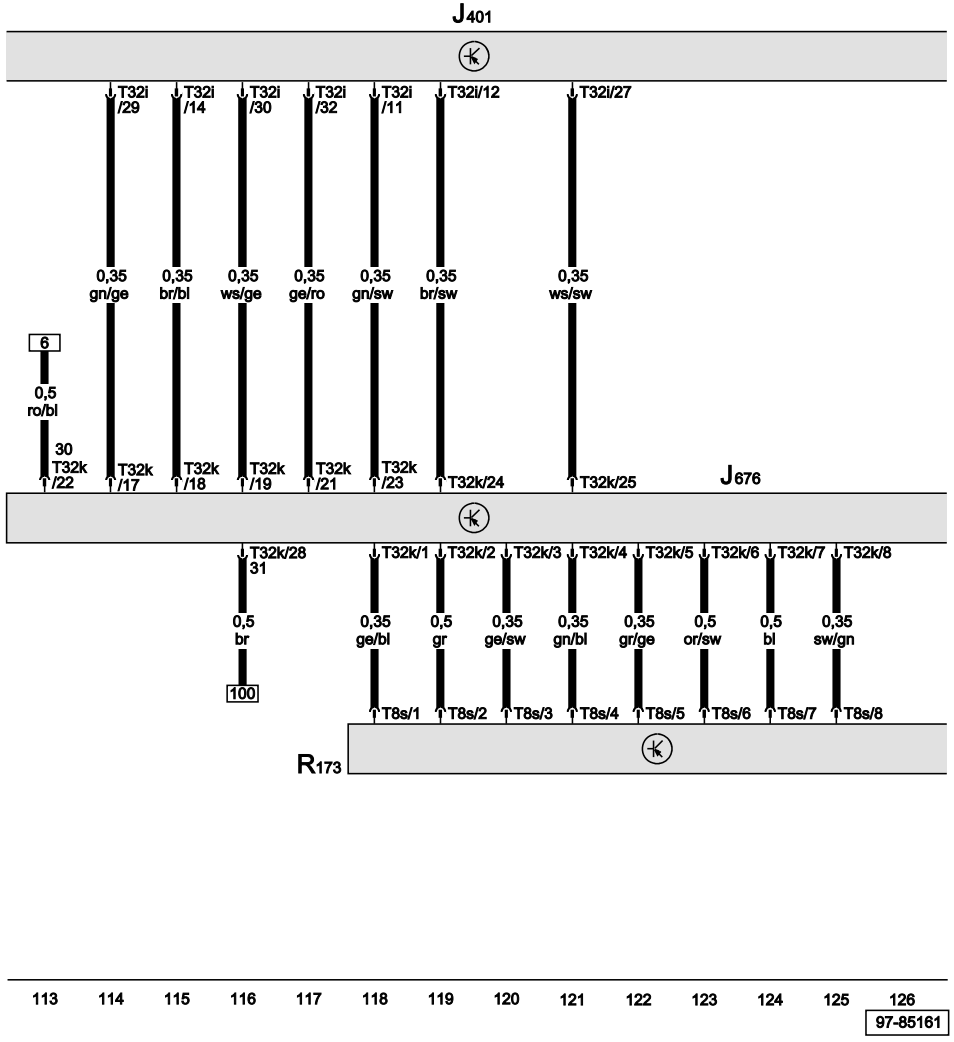
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

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Navigation system with CD drive control unit, traffic data aerial, chip card reader control unit

J401	Navigation system with CD drive control unit
J676	Chip card reader control unit
R173	Traffic data aerial
T8s	8-pin connector, connector A, on traffic data aerial
T32i	32-pin connector, on navigation system with CD drive control unit
T32k	32-pin connector, on chip card reader unit

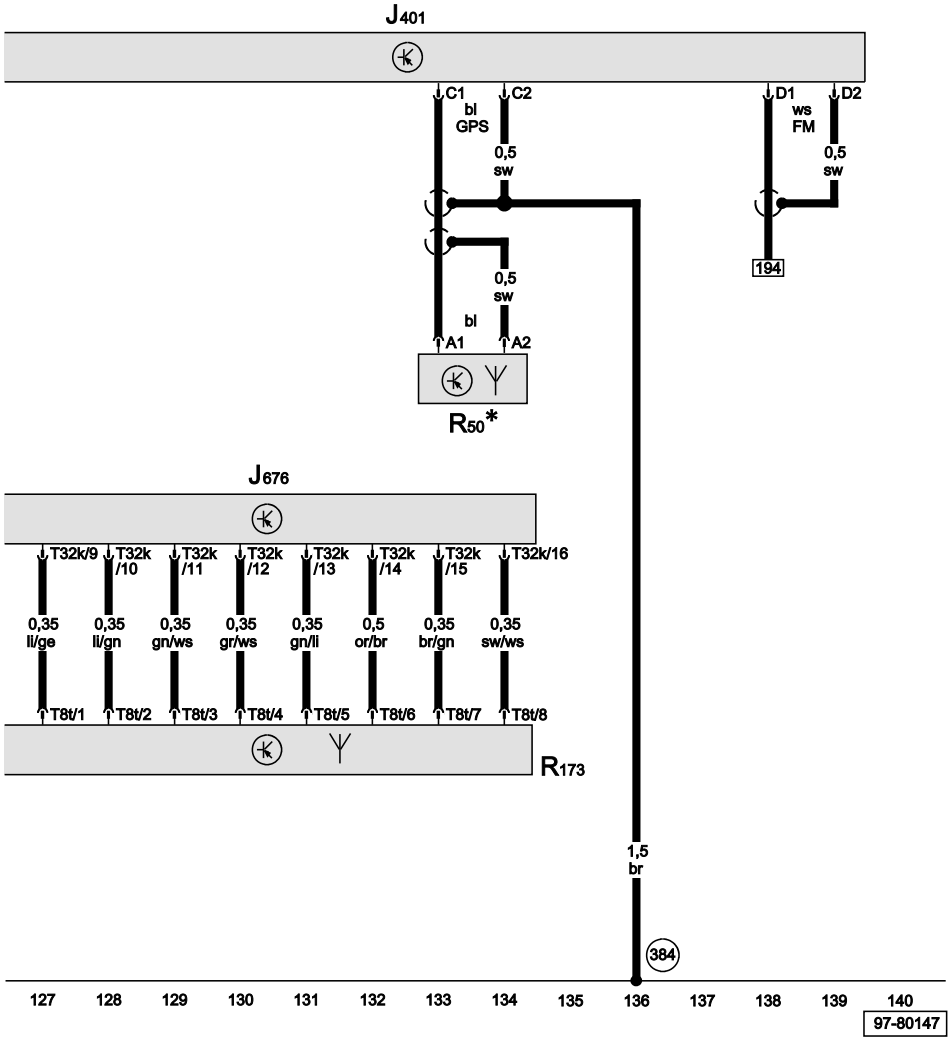


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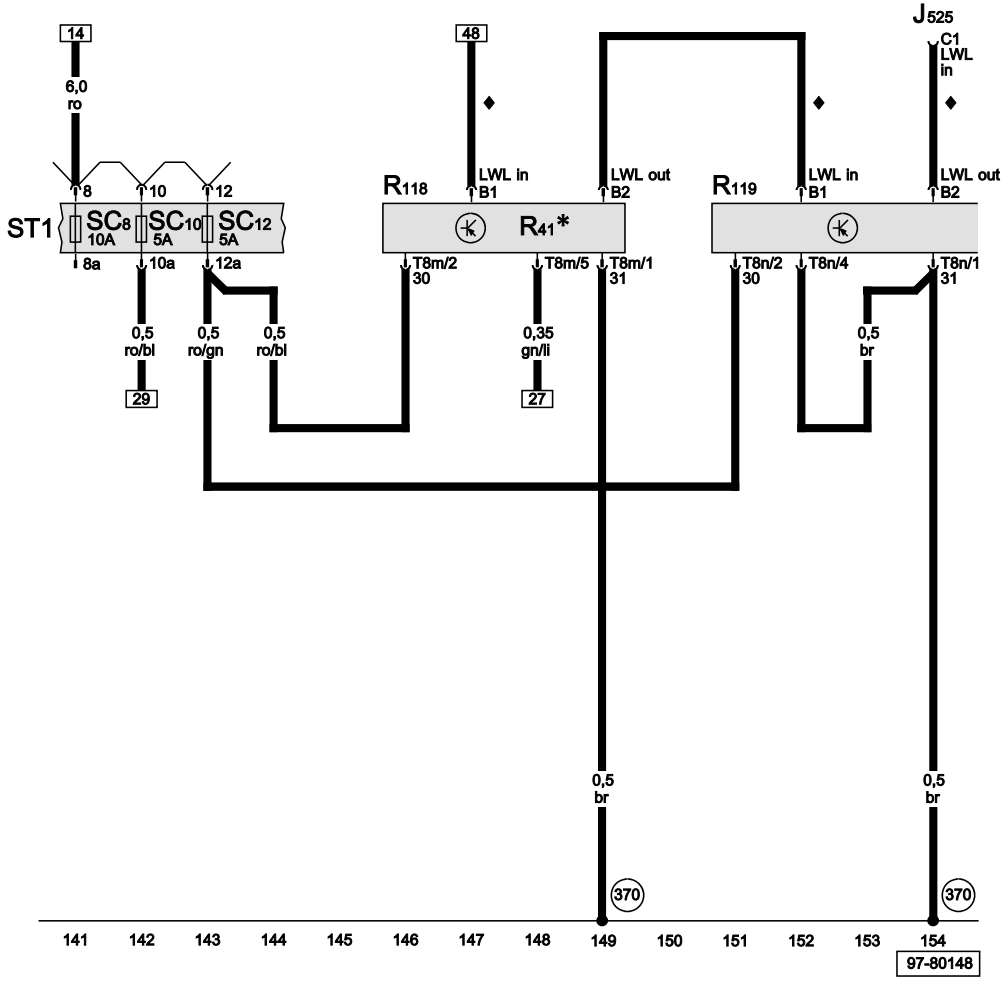
Navigation system with CD drive control unit, traffic data aerial, navigation system aerial, chip card reader control unit

J401	Navigation system with CD drive control unit
J676	Chip card reader control unit
R50	Navigation system aerial
R173	Traffic data aerial
T8t	8-pin connector, connector B, on traffic data aerial
T32k	32-pin connector, on chip card reader unit
384	Earth connection 19, in main wiring harness
*	under roof trim



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sw	=	black
ro	=	red
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gn	=	green
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gr	=	grey
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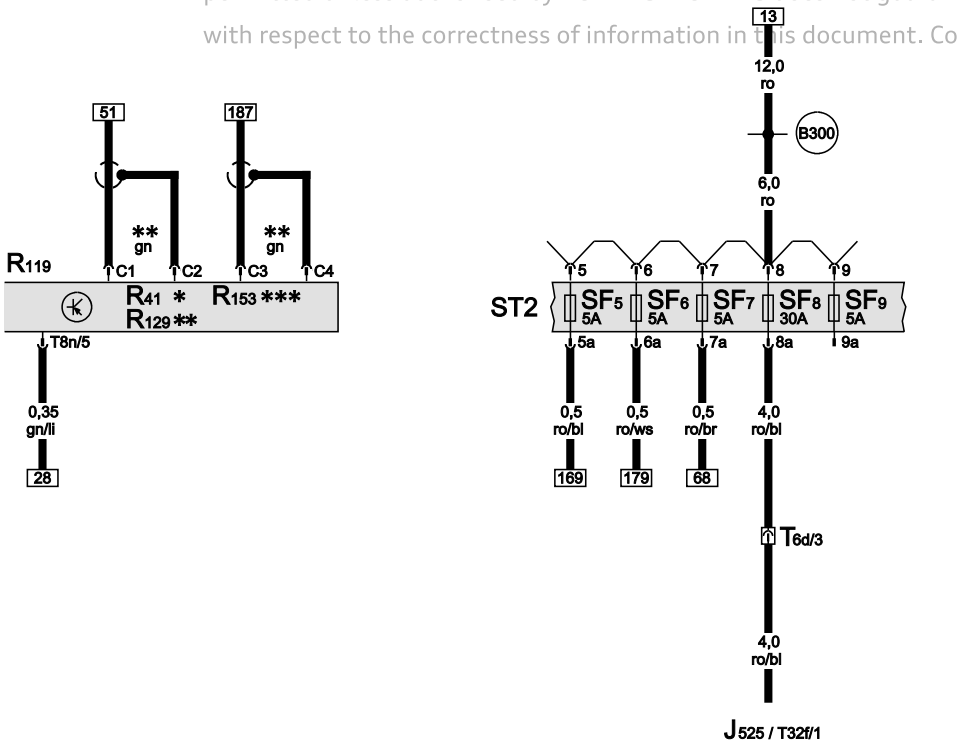


Media player in position 1 and 2, fuses

J525	Digital sound package control unit
R41	CD changer
R118	Media player in position 1
R119	Media player in position 2
SC8	Fuse 8 on fuse holder
SC10	Fuse 10 on fuse holder
SC12	Fuse 12 on fuse holder
T8m	8-pin connector, black, on media player in position 1
T8n	8-pin connector, black, on media player in position 2
370	Earth connection 5, in main wiring harness
*	models with CD changer
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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155 156 157 158 159 160 161 162 163 164 165 166 167 168

97-80149

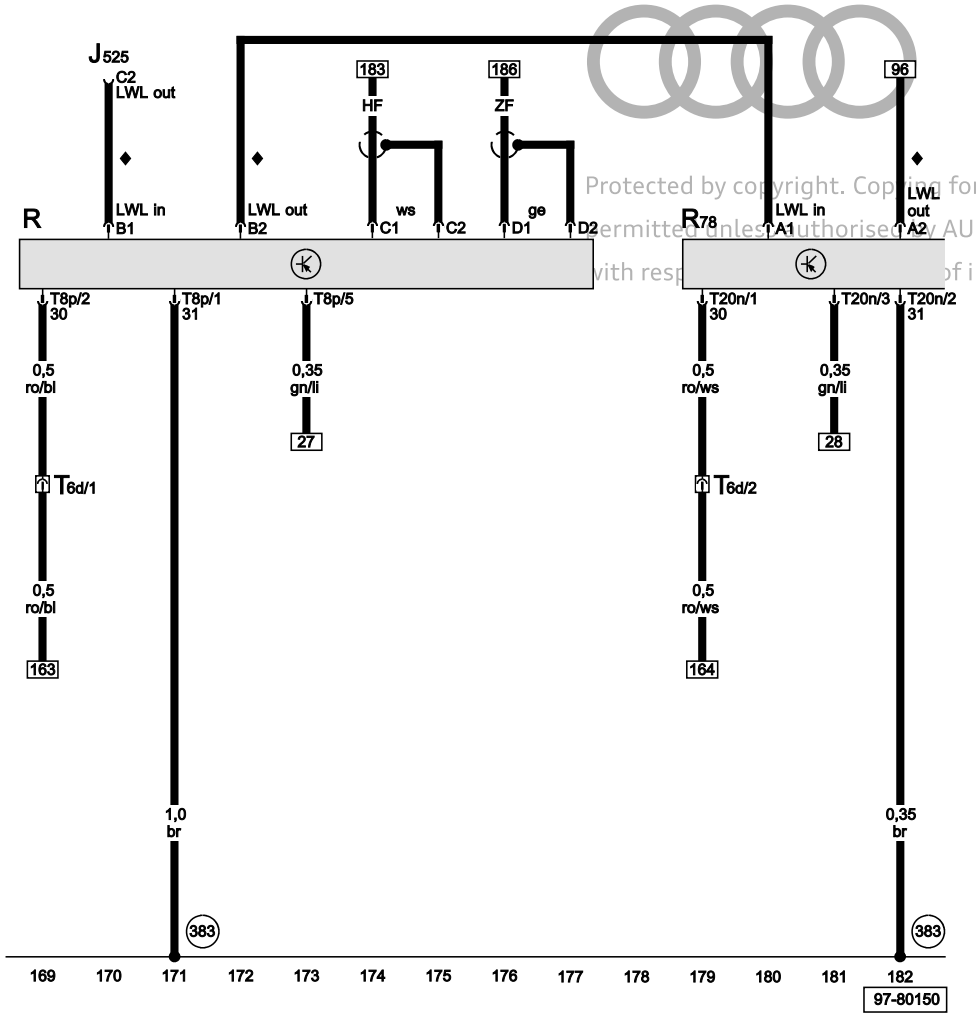
Media player in position 2, fuses

J525	Digital sound package control unit
R41	CD changer
R119	Media player in position 2
R129	Video recorder and DVD player
R153	MiniDisc player
SF5	Fuse 5 on fuse holder
SF6	Fuse 6 on fuse holder
SF7	Fuse 7 on fuse holder
SF8	Fuse 8 on fuse holder
SF9	Fuse 9 on fuse holder
T6d	6-pin connector, black, on left in luggage compartment
T8n	8-pin connector, black, on media player in position 2
T32f	32-pin connector, black, connector A, on digital sound package control unit
B300	Positive connection 4 (30), in main wiring harness
*	models with CD changer
**	models with DVD player
***	models with MiniDisc player

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Radio, TV tuner

J525	Digital sound package control unit
R	Radio
R78	TV tuner
T6d	6-pin connector, black, on left in luggage compartment
T8p	8-pin connector, black, on radio (K-box)
T20n	20-pin connector, red, connector B, on TV tuner
383	Earth connection 18, in main wiring harness
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



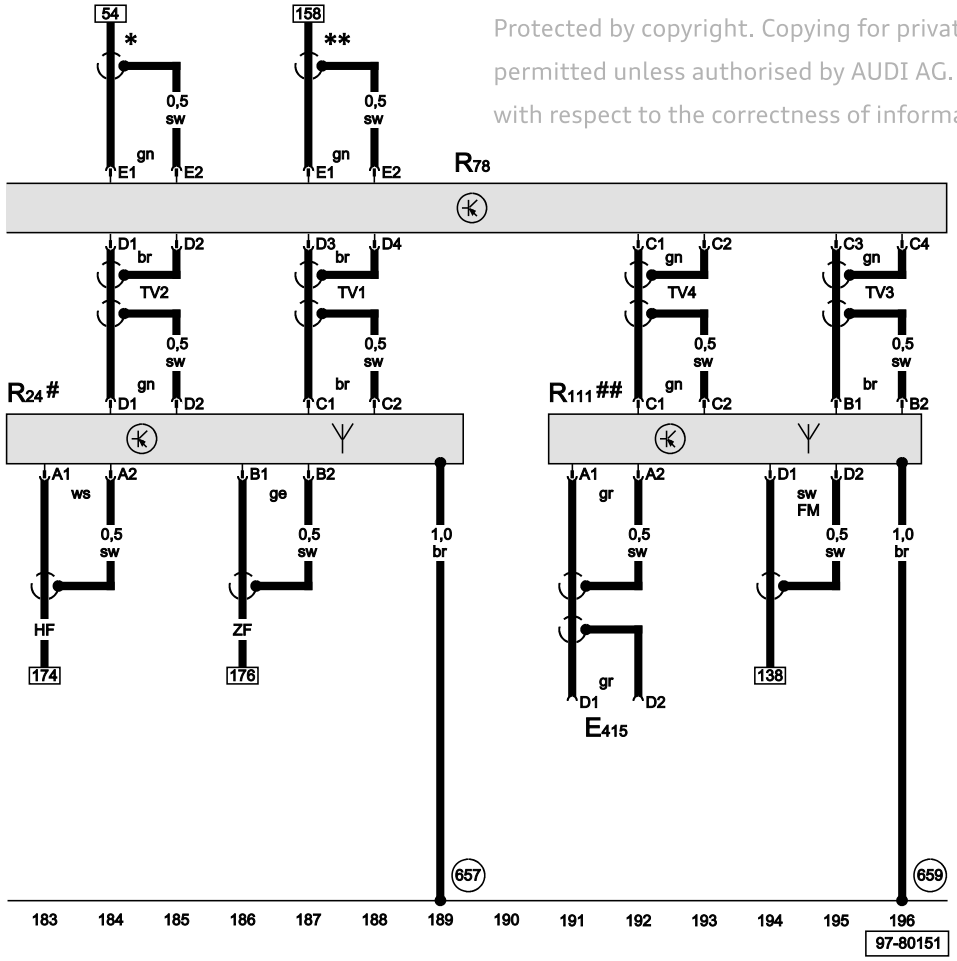
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TV tuner, aerial amplifier, aerial amplifier 2

E415	Entry and start authorisation switch
R24	Aerial amplifier
R78	TV tuner
R111	Aerial amplifier 2
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
*	models without DVD player
**	models with DVD player
#	on rear window upper left
##	on rear window upper right

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Communication USA (8DY, 7Q2, QV4, 7D1, 7D6)

⇒ **MMI**
⇒ **Multimedia system operating unit**
⇒ **Satellite radio, radio (K-box)**
⇒ **Navigation system**
⇒ **Preparation for mobile telephone**
⇒ **Media player**

from model year 2005

Notes:

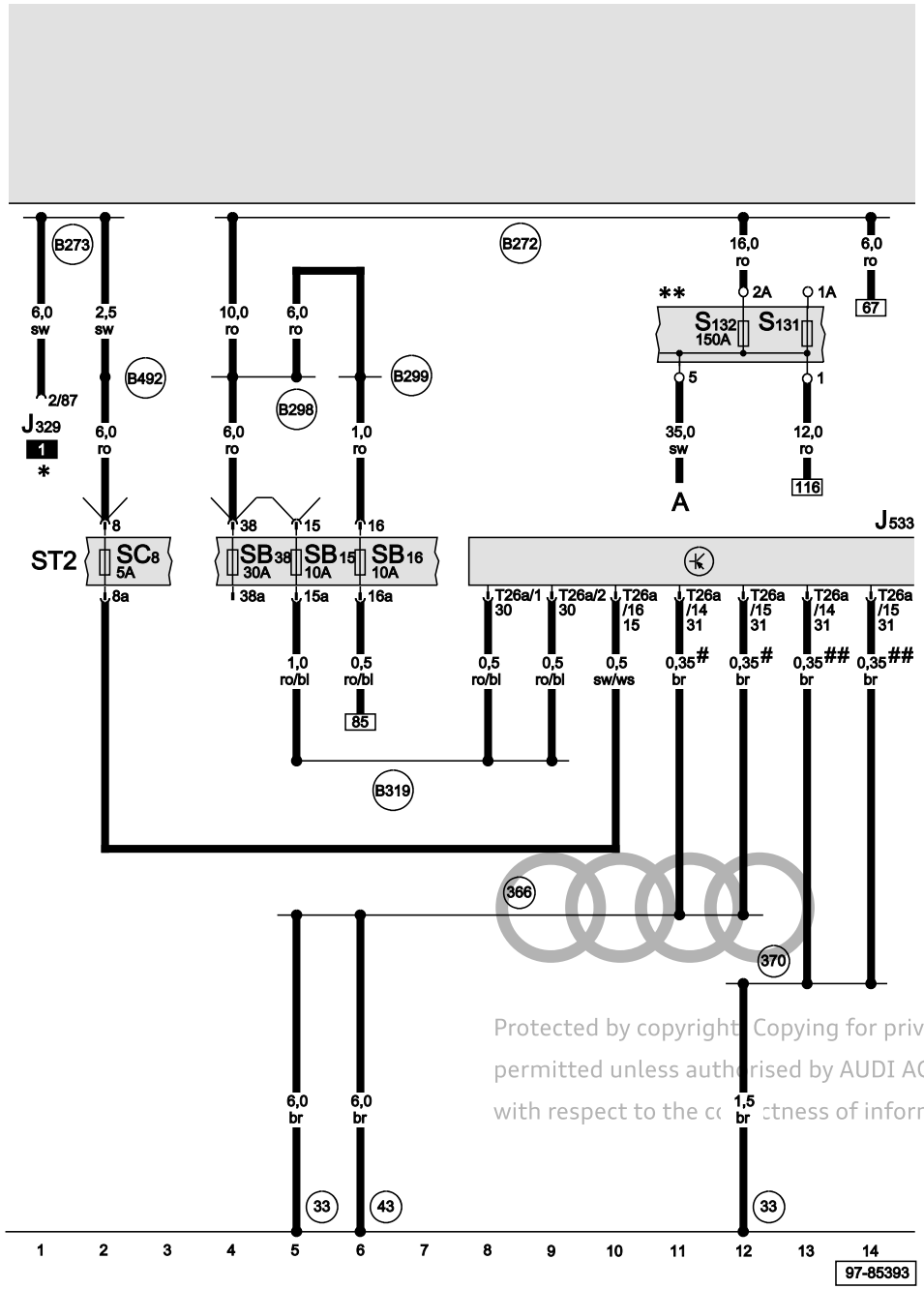
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

⇒ guided fault finding

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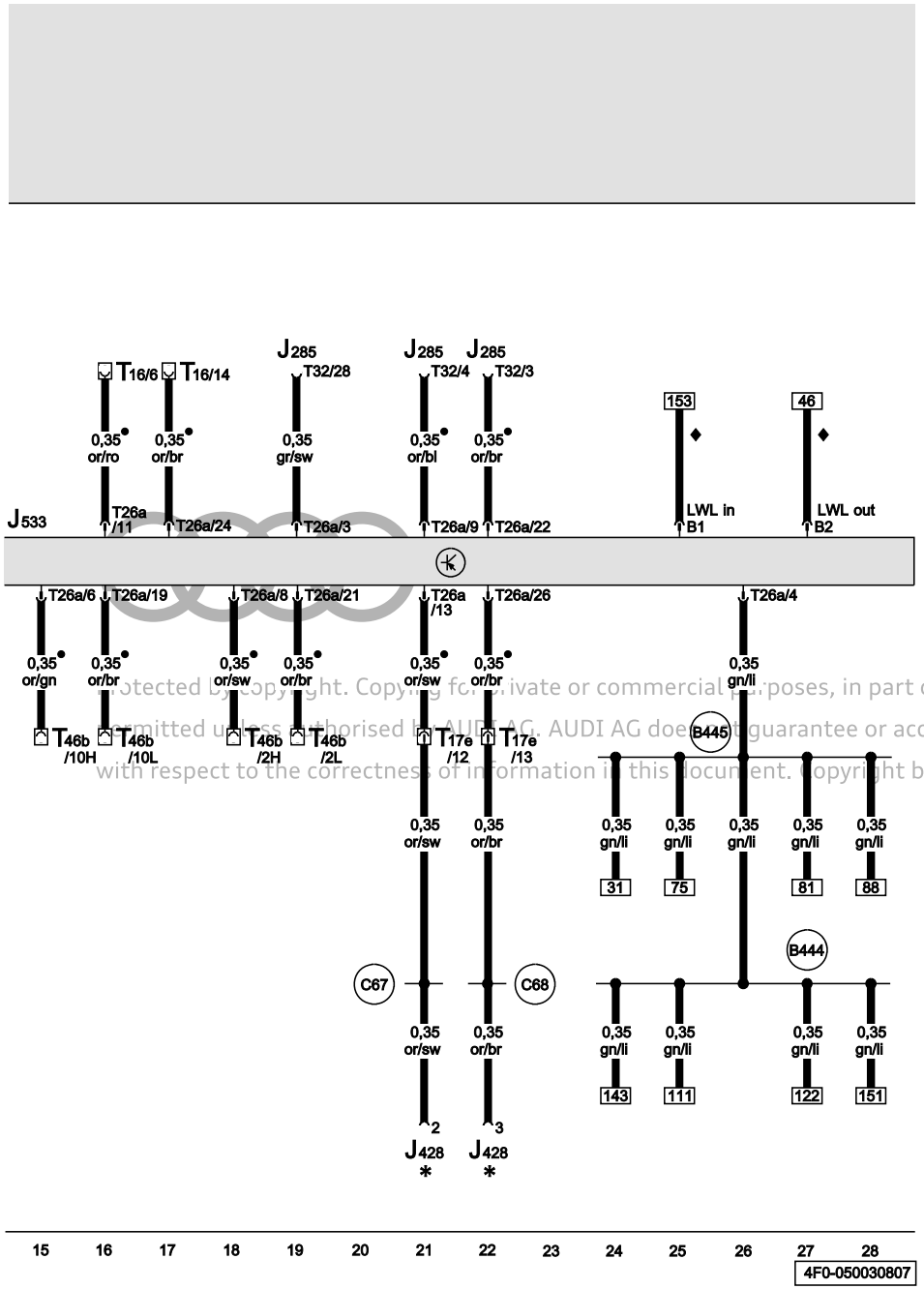


Data bus diagnostic interface, fuses

A	Battery
J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
S131	Fuse 1
S132	Fuse 2
SB15	Fuse 15 on fuse holder
SB16	Fuse 16 on fuse holder
SB38	Fuse 38 on fuse holder
SC8	Fuse 8 on fuse holder
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	Fuse and relay carrier right in luggage compartment
**	9-point relay carrier, behind driver storage compartment
#	up to model year 2005
##	from model year 2006

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Data bus diagnostic interface

J285 Control unit in dash panel insert
J428 Adaptive cruise control unit
J533 Data bus diagnostic interface
T16 16-pin connector, diagnostic connector
T17e 17-pin connector, red, coupling station on left of A-pillar
T26a 26-pin connector, black, on data bus diagnostic interface
T32 32-pin connector, grey, on dash panel insert
T46b 46-pin connector, CAN separating connector right

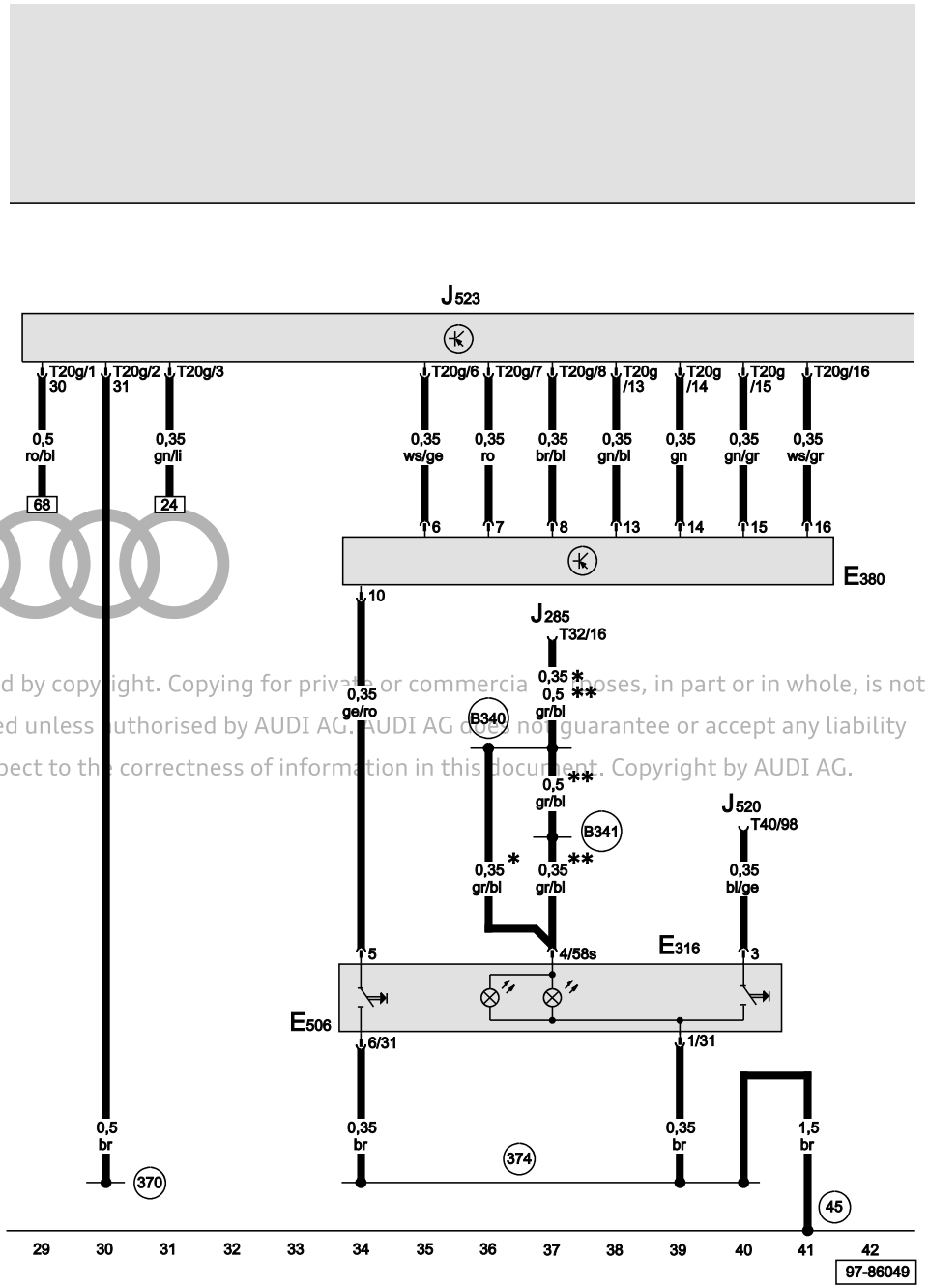
B444 Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)

B445 Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)

C67 Connection (CAN bus, high), in headlight wiring harness

C68 Connection (CAN bus, low), in headlight wiring harness

• CAN bus (data wire)
* models with adaptive cruise
♦ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

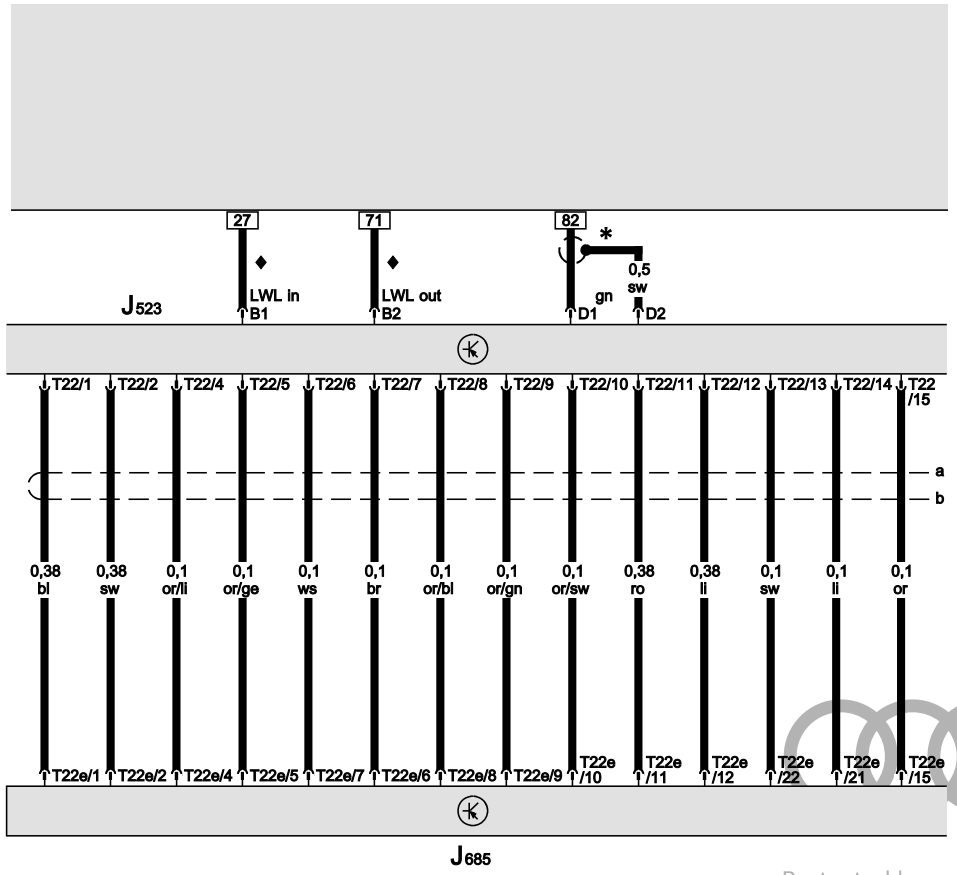


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Front information display and operating unit control unit, multimedia system operating unit, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	up to October 2005
**	from November 2005



Front information display and operating unit control unit, display unit for front information display and operating unit control unit

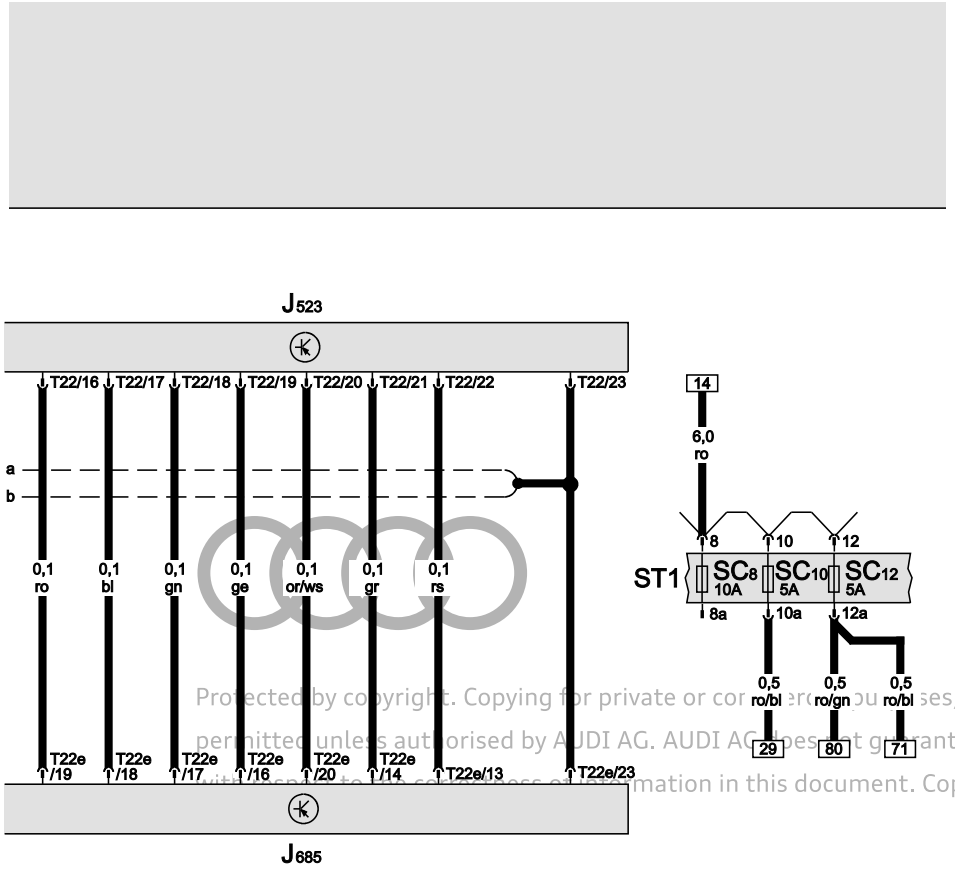
J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit
*	models with DVD player
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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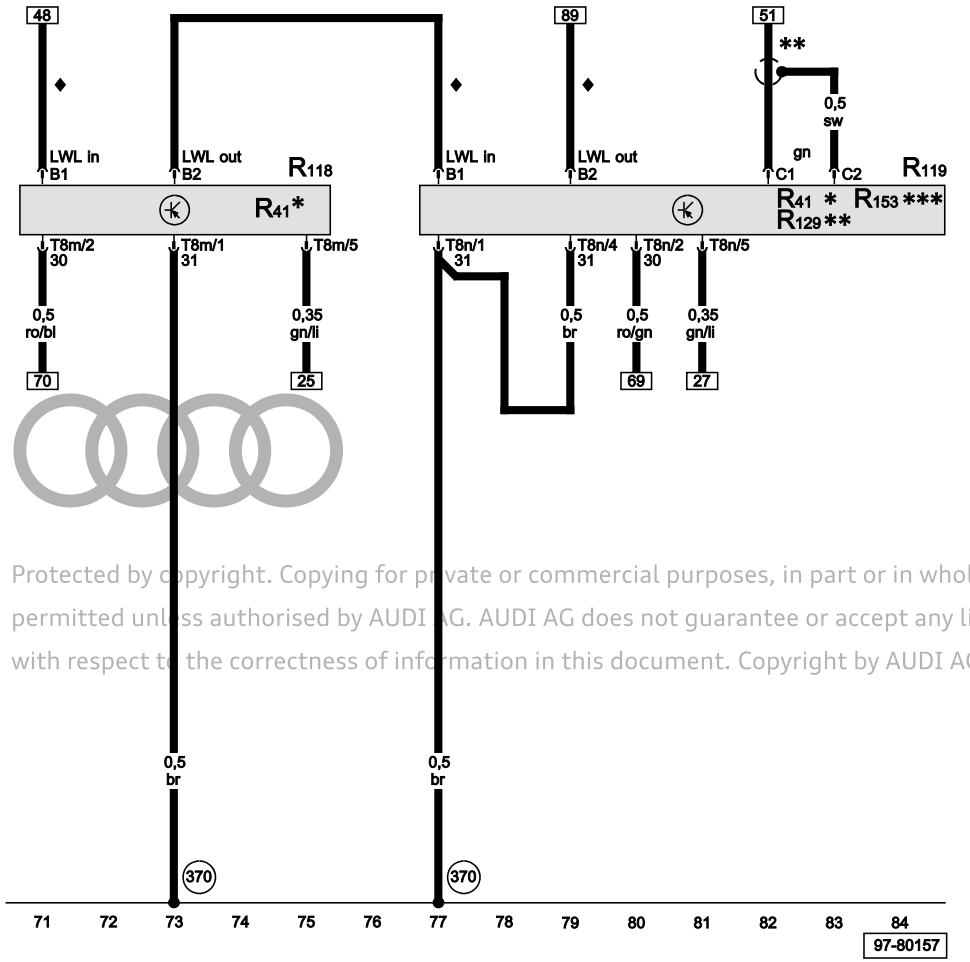
Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
SC8	Fuse 8 on fuse holder
SC10	Fuse 10 on fuse holder
SC12	Fuse 12 on fuse holder
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit



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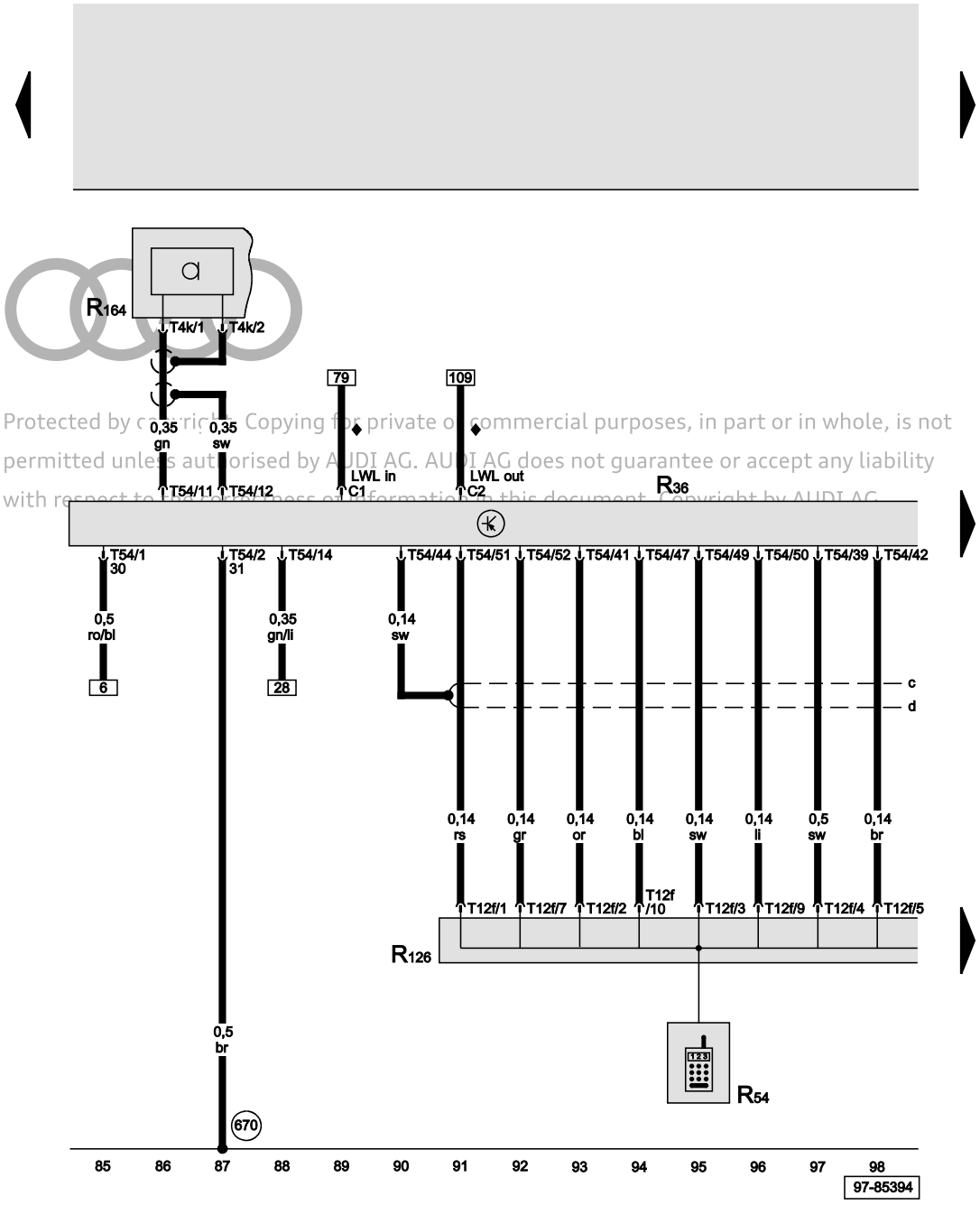


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Media player in position 1 and 2

R41	CD changer
R118	Media player in position 1
R119	Media player in position 2
R129	Video recorder and DVD player
R153	MiniDisc player
T8m	8-pin connector, black, on media player in position 1
T8n	8-pin connector, black, on media player in position 2
370	Earth connection 5, in main wiring harness
*	models with CD changer
**	models with DVD player
***	models with MiniDisc player
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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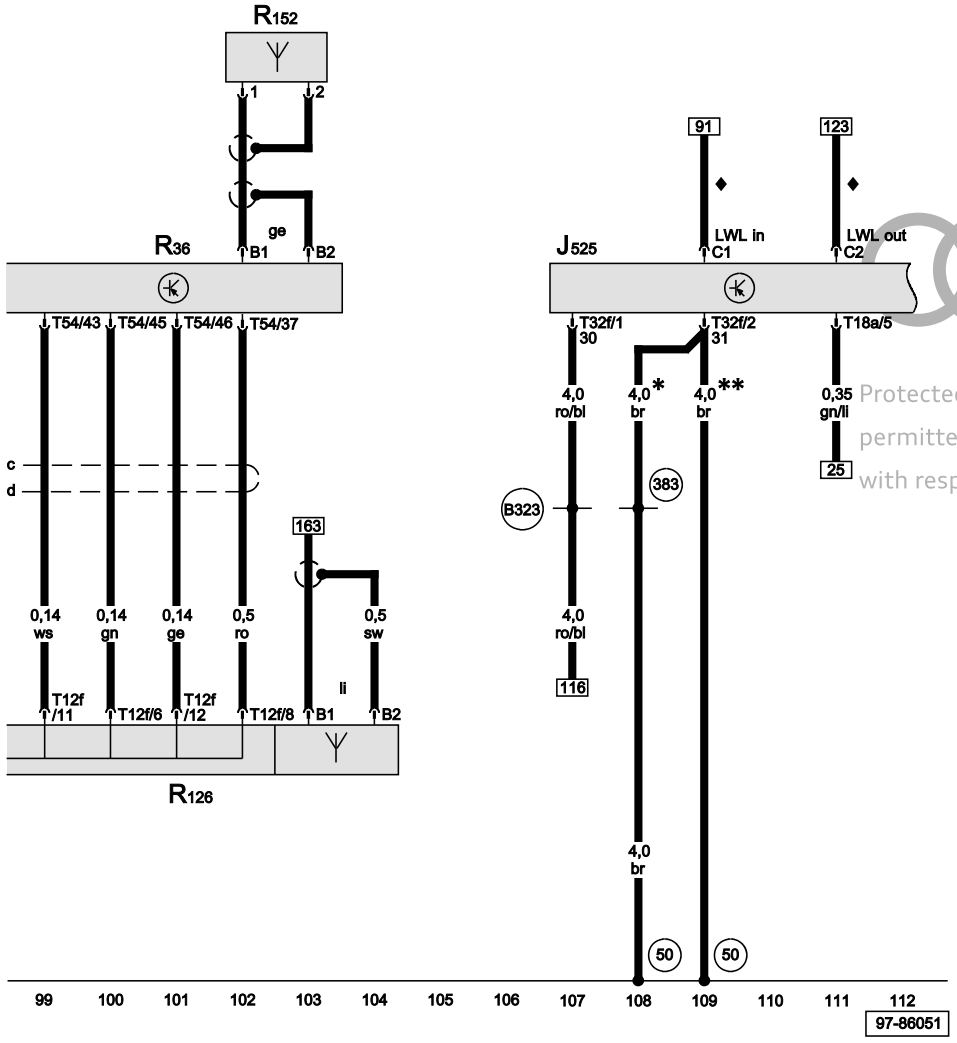
Telephone transmitter and receiver unit, telephone bracket, microphone unit in front roof module

R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
R164	Microphone unit in front roof module
T4k	4-pin connector, black, microphone connection roof module
T12f	12-pin connector, on mobile telephone
T54	54-pin connector, black, on telephone transmitter and receiver unit
670	Earth point 2, left A-pillar
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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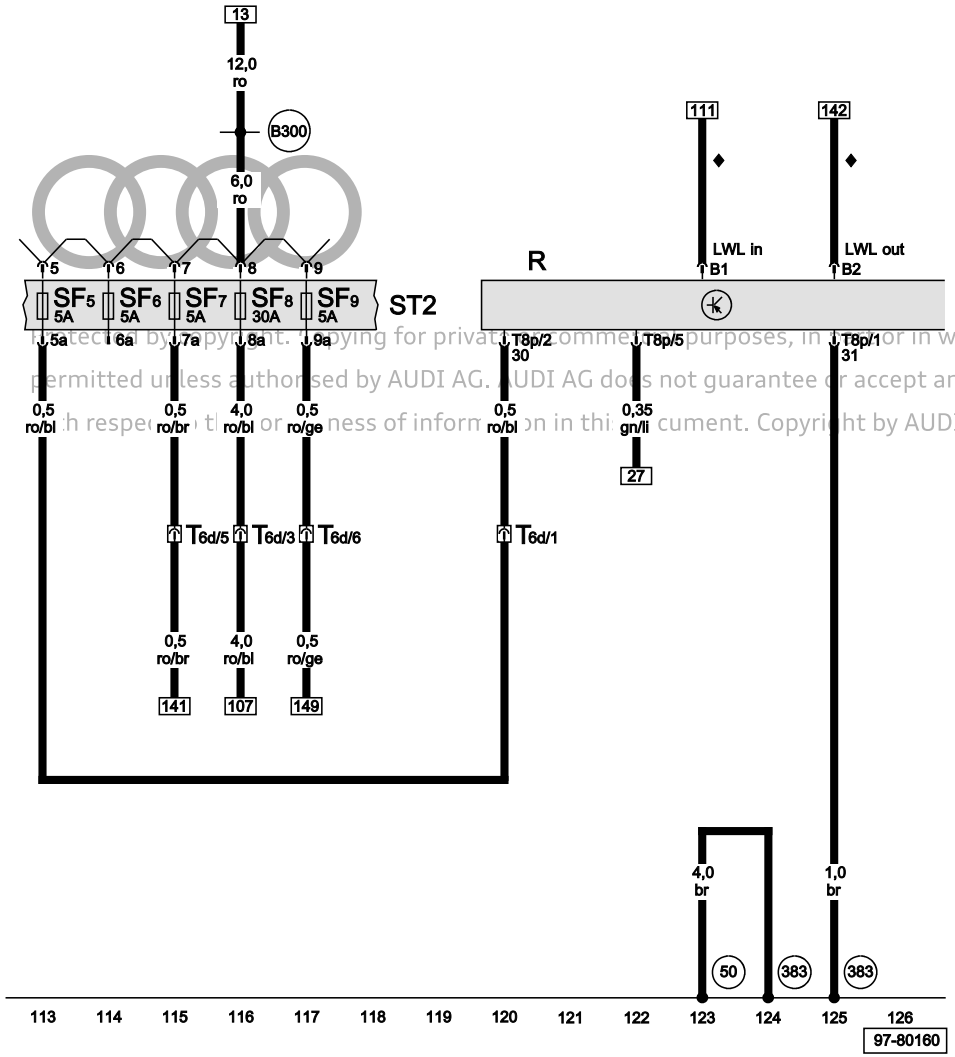
Telephone transmitter and receiver unit, telephone bracket, aerial for Bluetooth, digital sound package control unit

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R126	Telephone bracket
R152	Aerial for Bluetooth
T12f	12-pin connector, on mobile telephone
T18a	18-pin connector, black, connector C, on digital sound package control unit
T32f	32-pin connector, black, connector A, on digital sound package control unit
T54	54-pin connector, black, on telephone transmitter and receiver unit
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)
*	up to October 2005
**	from November 2005



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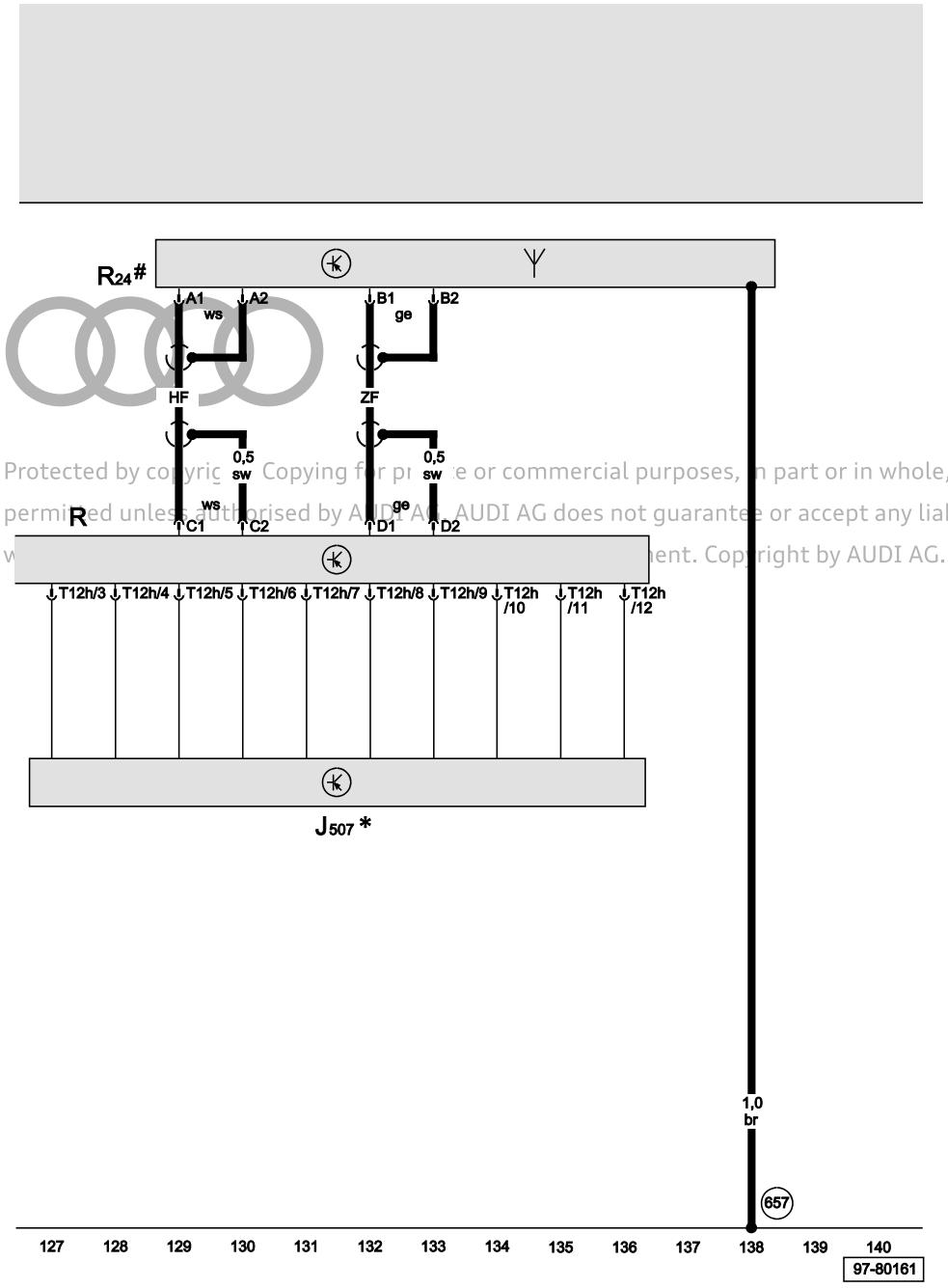


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Radio, fuses

R	Radio
SF5	Fuse 5 on fuse holder
SF6	Fuse 6 on fuse holder
SF7	Fuse 7 on fuse holder
SF8	Fuse 8 on fuse holder
SF9	Fuse 9 on fuse holder
T6d	6-pin connector, black, on left in luggage compartment
T8p	8-pin connector, black, on radio (K-box)
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
B300	Positive connection 4 (30), in main wiring harness

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Radio, language input control unit, aerial amplifier

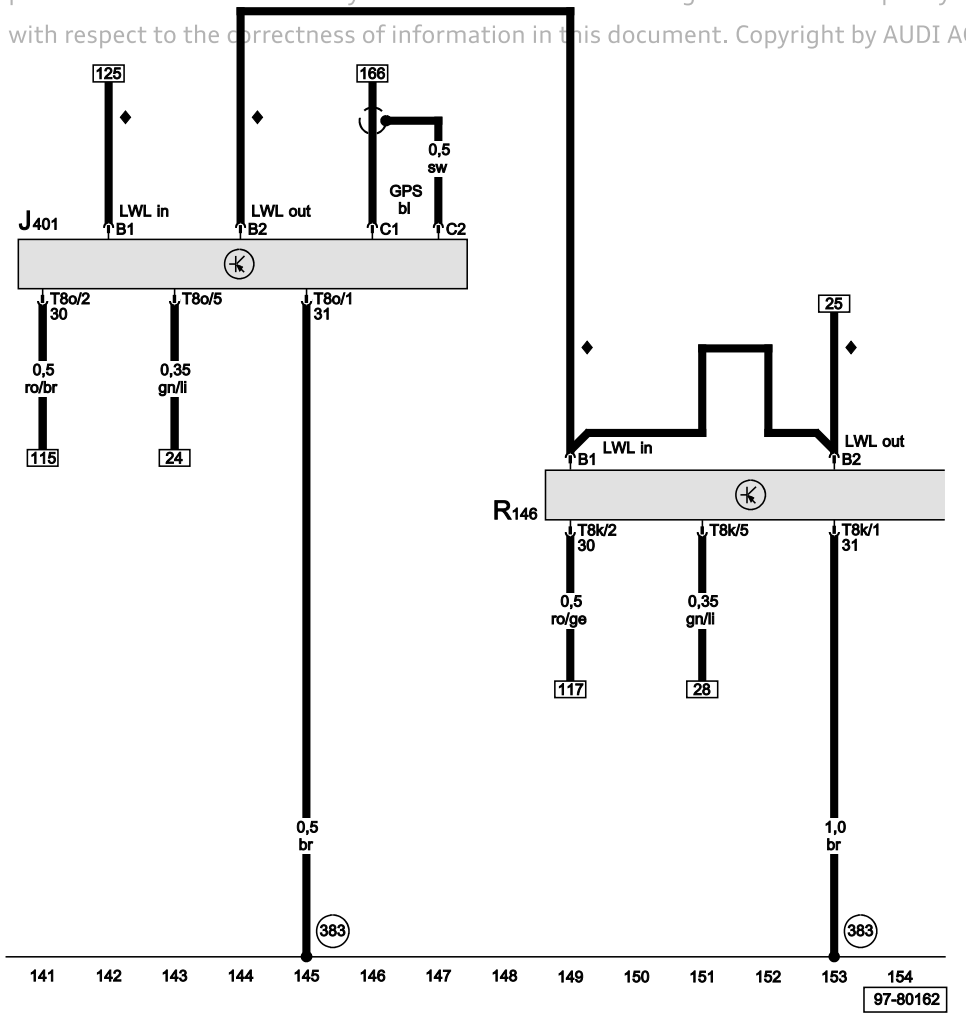
J507	Language input control unit
R	Radio
R24	Aerial amplifier
T12h	12-pin connector, on radio (K-box)
657	Earth point 1, on left near rear window
*	models with voice control
#	on rear window upper left

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gn	=	green
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Navigation system with CD drive control unit, satellite radio

J401	Navigation system with CD drive control unit
R146	Satellite radio
T8k	8-connector, black, on satellite radio
T8o	8-pin connector, black, on navigation system with CD drive control unit
383	Earth connection 18, in main wiring harness
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

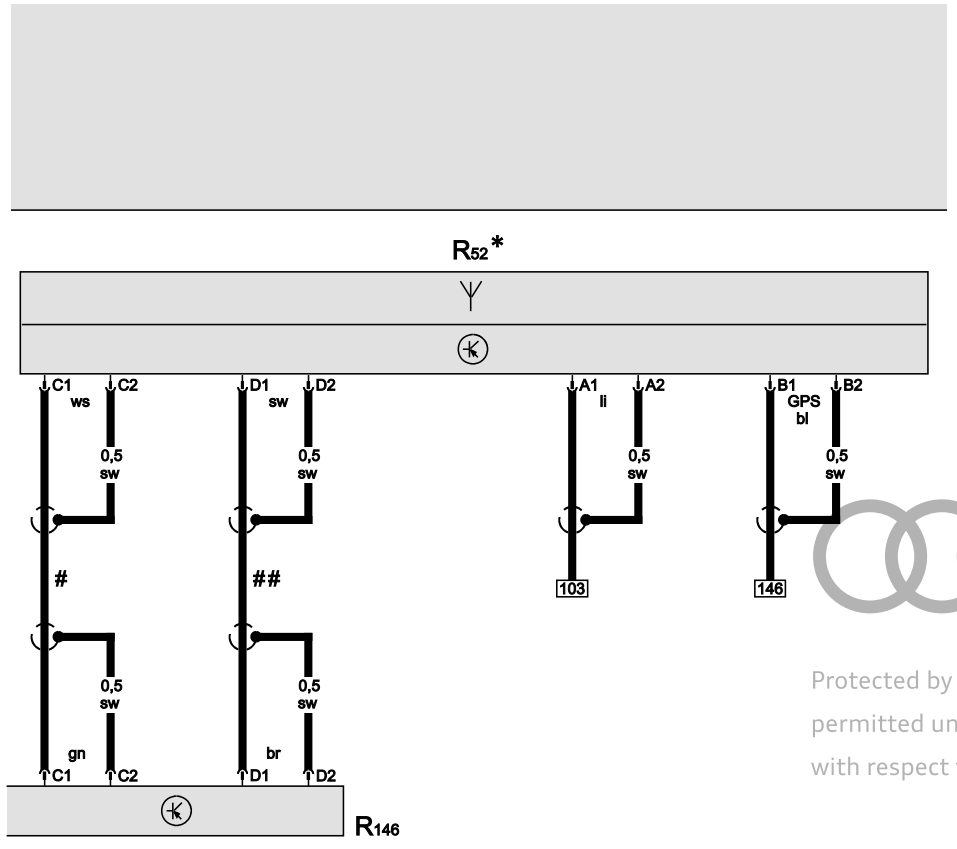
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Radio, telephone and navigation system aerial, satellite radio

R52	Radio, telephone and navigation system aerial
R146	Satellite radio
*	roof aerial
#	satellite aerial
##	terrestrial aerial



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rs	=	pink

Avant, rear

from model year 2006

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

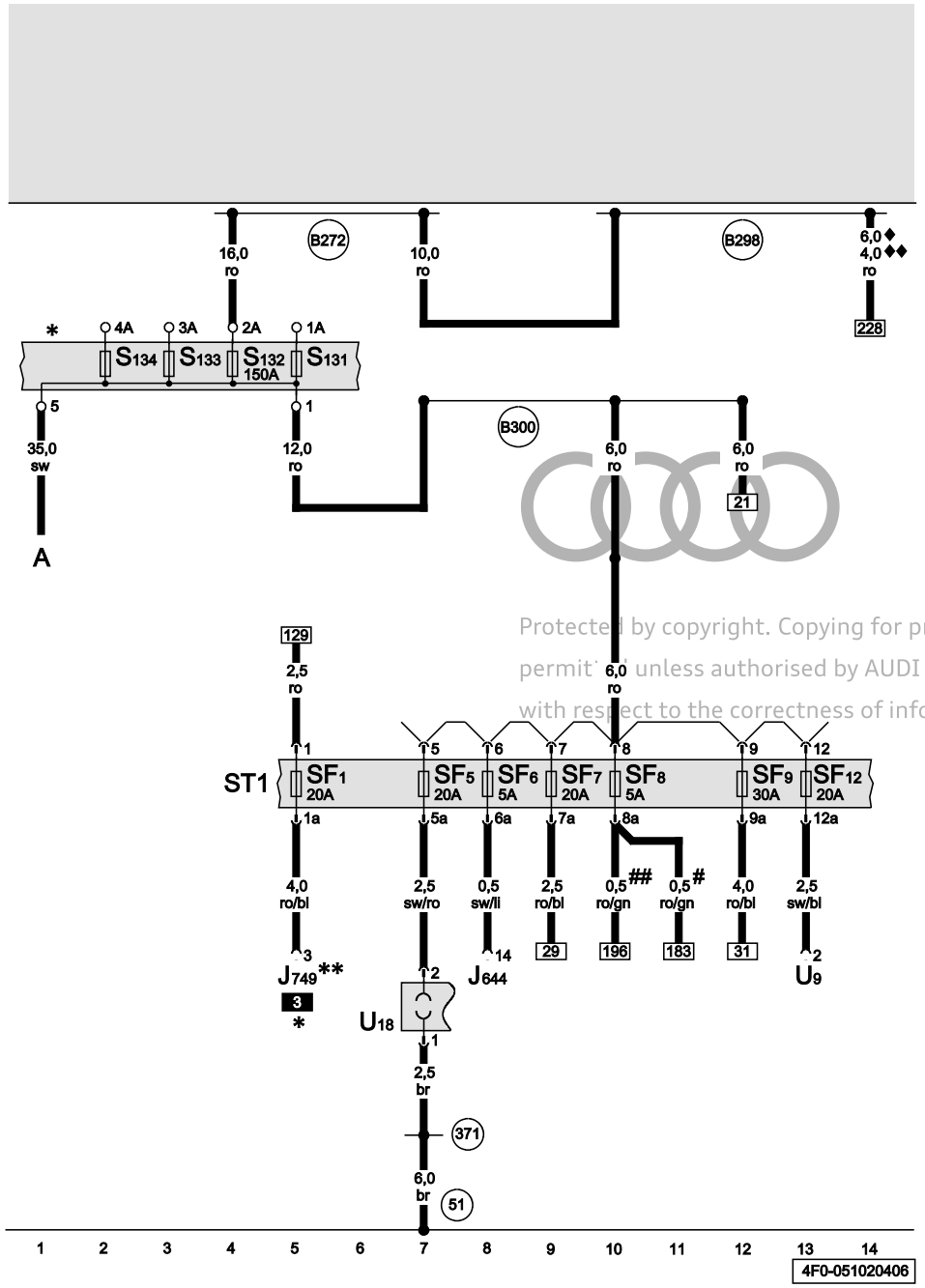
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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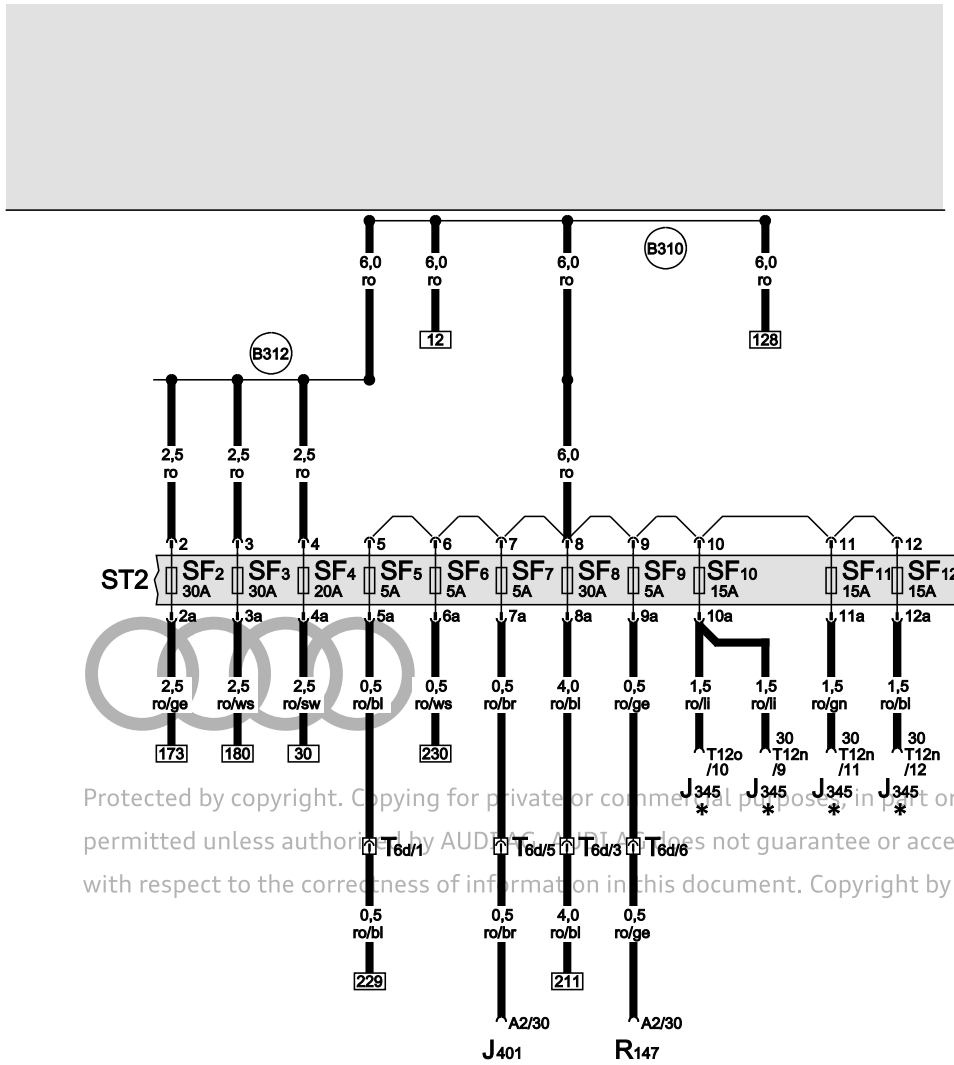


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Power supply, fuses

A	battery
J644	Energy management control unit
J749	Fuel pump relay for auxiliary heater
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF1	Fuse 1 in fuse holder
SF5	Fuse 5 in fuse holder
SF6	Fuse 6 in fuse holder
SF7	Fuse 7 in fuse holder
SF8	Fuse 8 in fuse holder
SF9	Fuse 9 in fuse holder
SF12	Fuse 12 in fuse holder
U9	Rear cigarette lighter
U18	12 V socket 2
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
*	Relay and fuse carrier on right in luggage compartment
**	Models with auxiliary heater
#	Models with anti-theft alarm system
##	Models with anti-theft alarm system and interior monitoring
◆	up to October 2005
◆◆	from November 2005

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

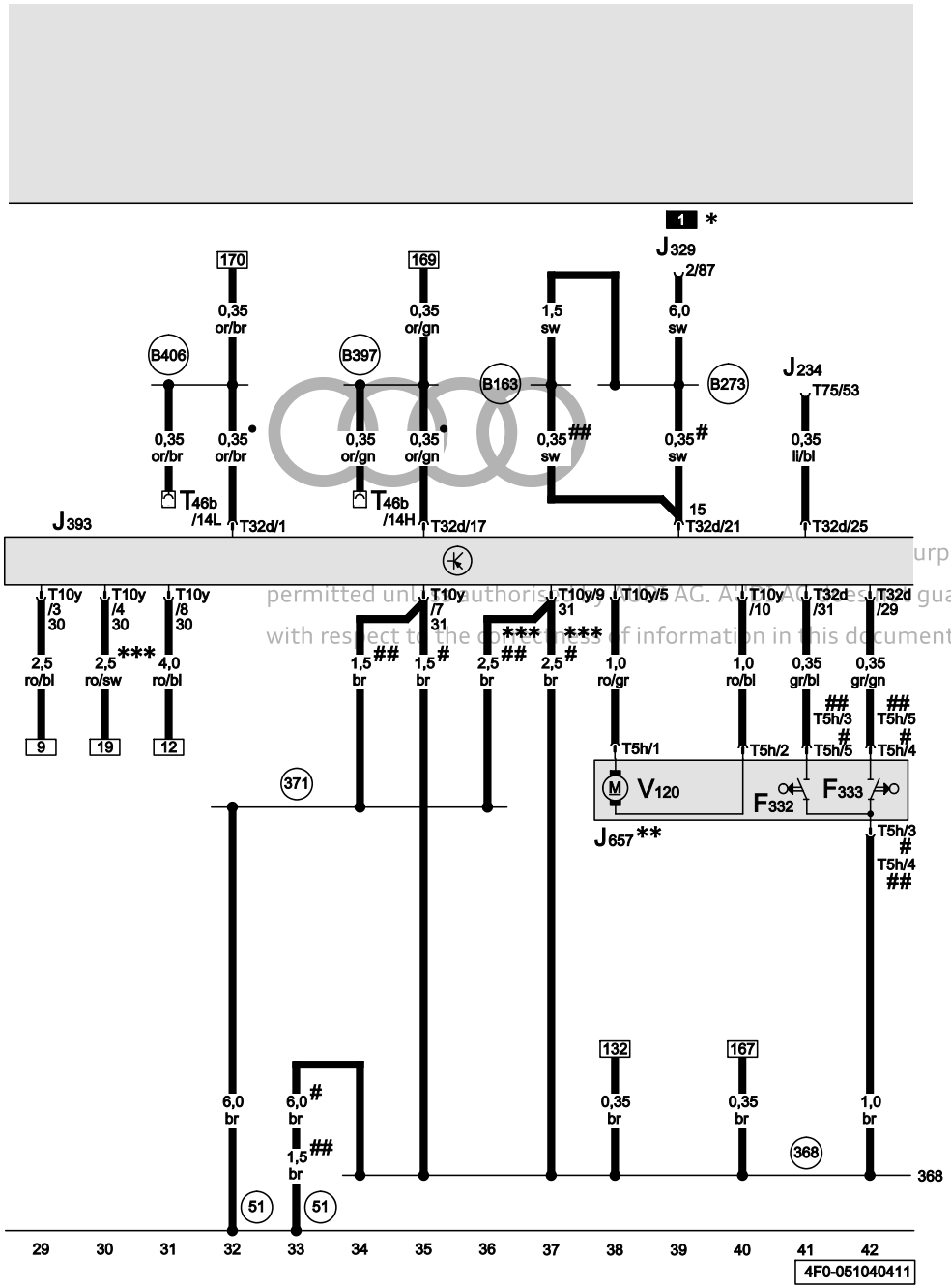


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Fuses

J345	Trailer detector control unit
J401	Navigation system with CD drive control unit
R147	Digital radio
SF2	Fuse 2 in fuse holder
SF3	Fuse 3 in fuse holder
SF4	Fuse 4 in fuse holder
SF5	Fuse 5 in fuse holder
SF6	Fuse 6 in fuse holder
SF7	Fuse 7 in fuse holder
SF8	Fuse 8 in fuse holder
SF9	Fuse 9 in fuse holder
SF10	Fuse 10 in fuse holder
SF11	Fuse 11 in fuse holder
SF12	Fuse 12 in fuse holder
T6d	6-pin connector, black, on left in luggage compartment
T12n	12-pin connector, red, connector B, on trailer detector control unit
T12o	12-pin connector, blue, connector C, on trailer detector control unit
B310	Positive connection 14 (30), in main wiring harness
B312	Positive connection 16 (30), in main wiring harness
*	Models with trailer towing attachment



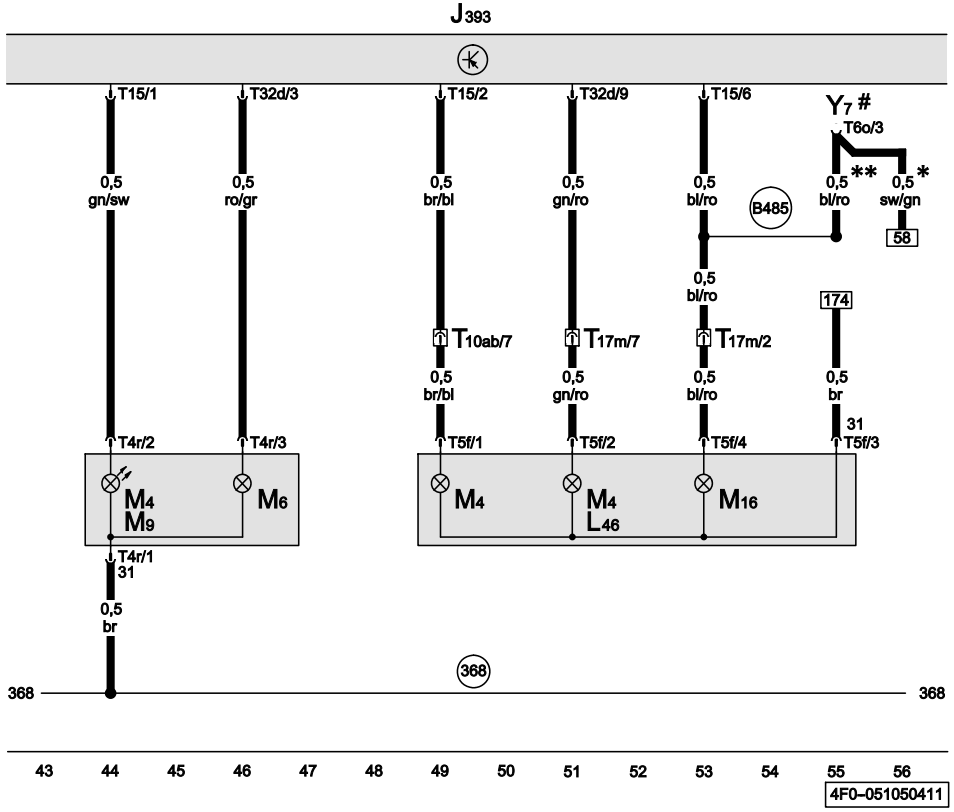
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Convenience system central control unit, power latching control unit, rear lid lock motor

F332	Power latching system limit switch, luggage compartment unlocked
F333	Power latching system limit switch, luggage compartment locked
J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
J657	Power latching control unit
T5h	5-pin connector, black, on power latching control unit, rear lid
T10y	10-pin connector, black, connector C, on comfort system control module
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T46b	46-pin connector, CAN disconnector, right
T75	75-pin connector, grey, on airbag control unit
V120	Rear lid lock motor
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), 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
•	CAN bus (data wire)
*	9-slot relay carrier, behind driver storage compartment
**	Models with rear lid and power latching system
***	Models with power latching system only
#	up to October 2005
##	from November 2005

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Convenience system central control unit, left tail light, Lowline

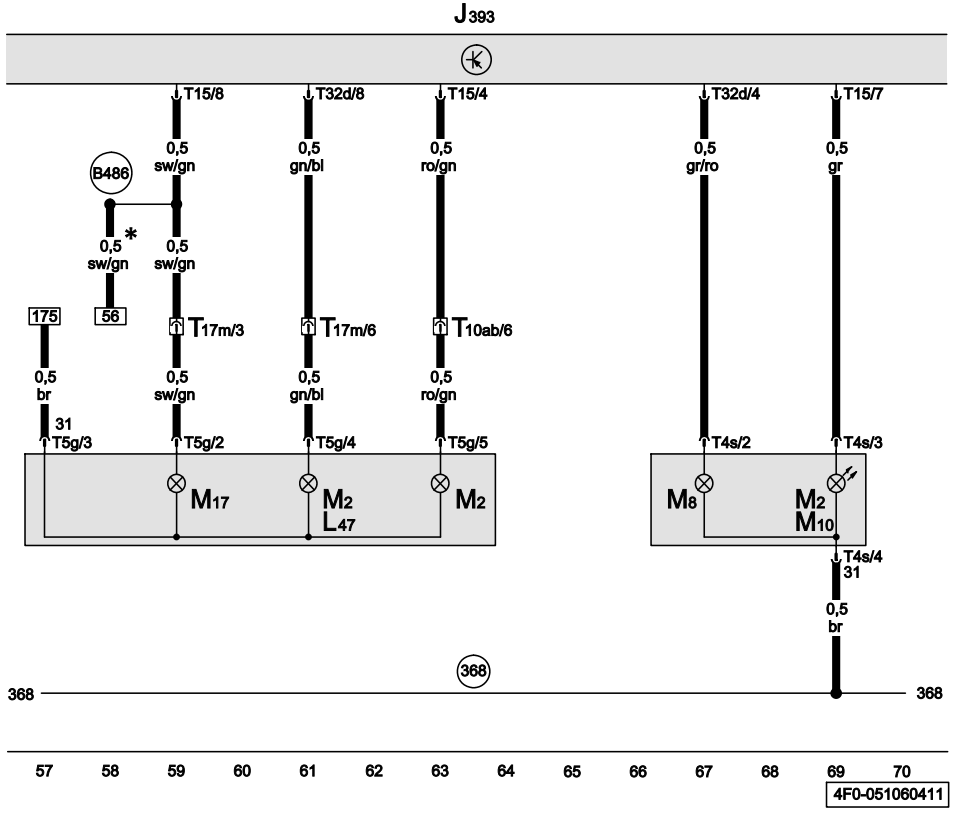
J393	Convenience system central control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
T4r	4-pin connector, black, on left tail light
T5f	5-Pin connector, black, on left rear tail light, rear lid
T6o	6-pin connector, black, connector B, on front roof console
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
Y7	Automatic anti-dazzle interior mirror
368	Earth connection 3, in main wiring harness
B485	Connection 21 in main wiring harness
*	Not for Japan
**	Only for Japan
#	Models with automatic anti-dazzle interior mirror

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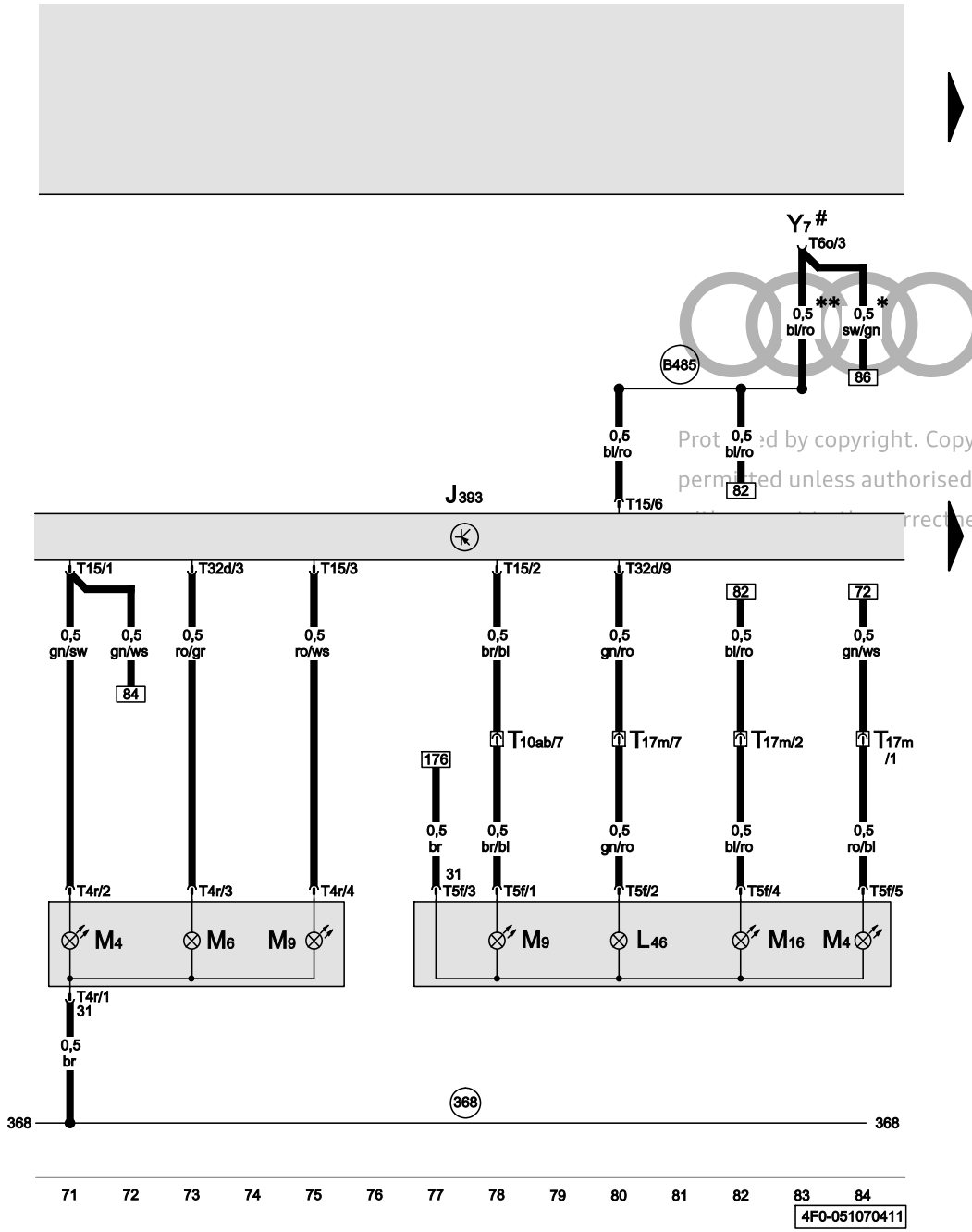
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Convenience system central control unit, right tail light, Lowline

J393	Convenience system central control unit
L47	Rear right fog light bulb
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
T4s	4-pin connector, black, on right tail light
T5g	5-Pin connector, black, on right rear tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B486	Connection 22 in main wiring harness
*	Not for Japan



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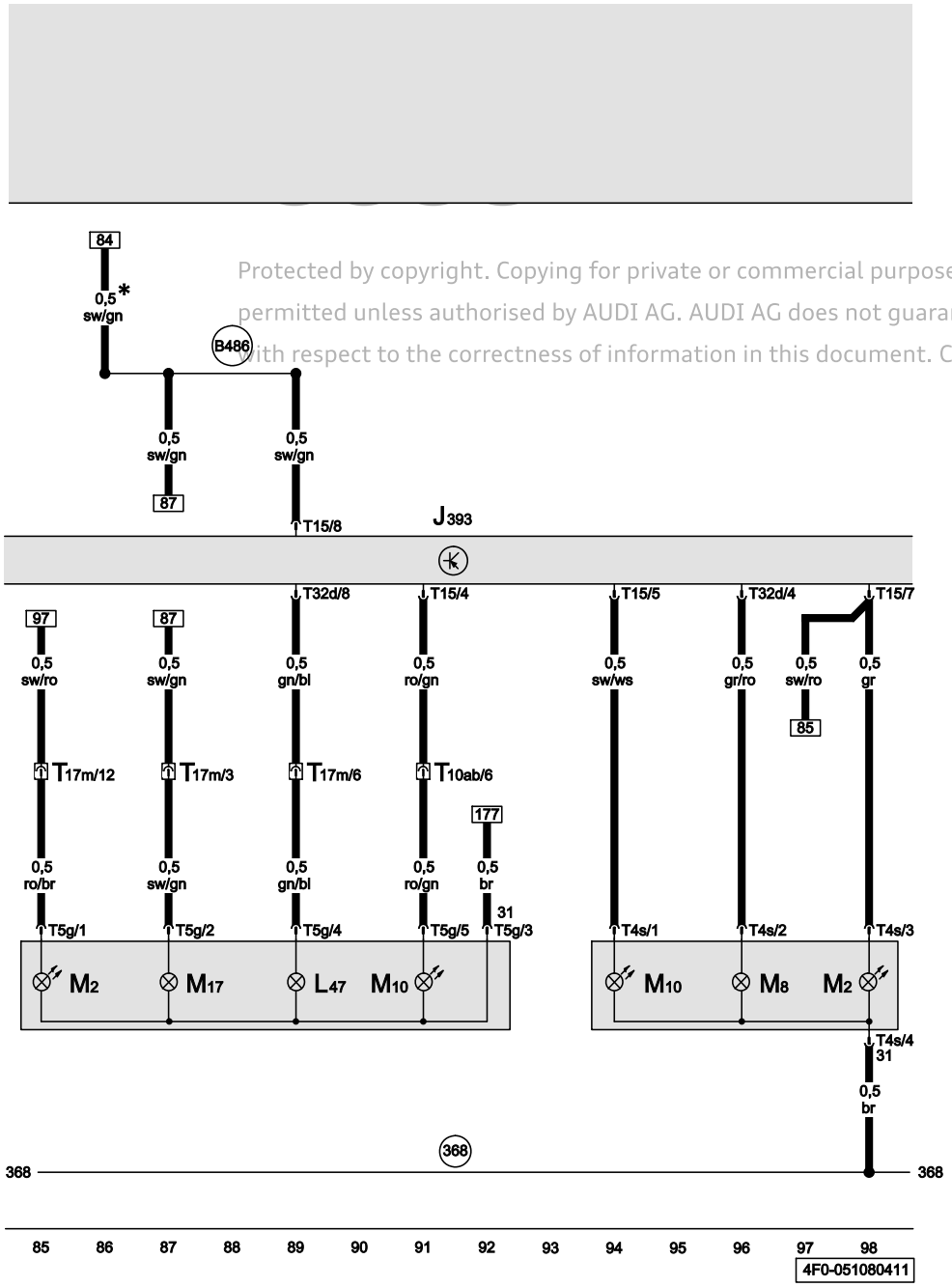
Convenience system central control unit, left tail light, Highline

J393	Convenience system central control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
T4r	4-pin connector, black, on left tail light
T5f	5-Pin connector, black, on left rear tail light, rear lid
T6o	6-pin connector, black, connector B, on front roof console
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
Y7	Automatic anti-dazzle interior mirror
368	Earth connection 3, in main wiring harness
B485	Connection 21 in main wiring harness
*	Not for Japan
**	Only for Japan
#	Models with automatic anti-dazzle interior mirror

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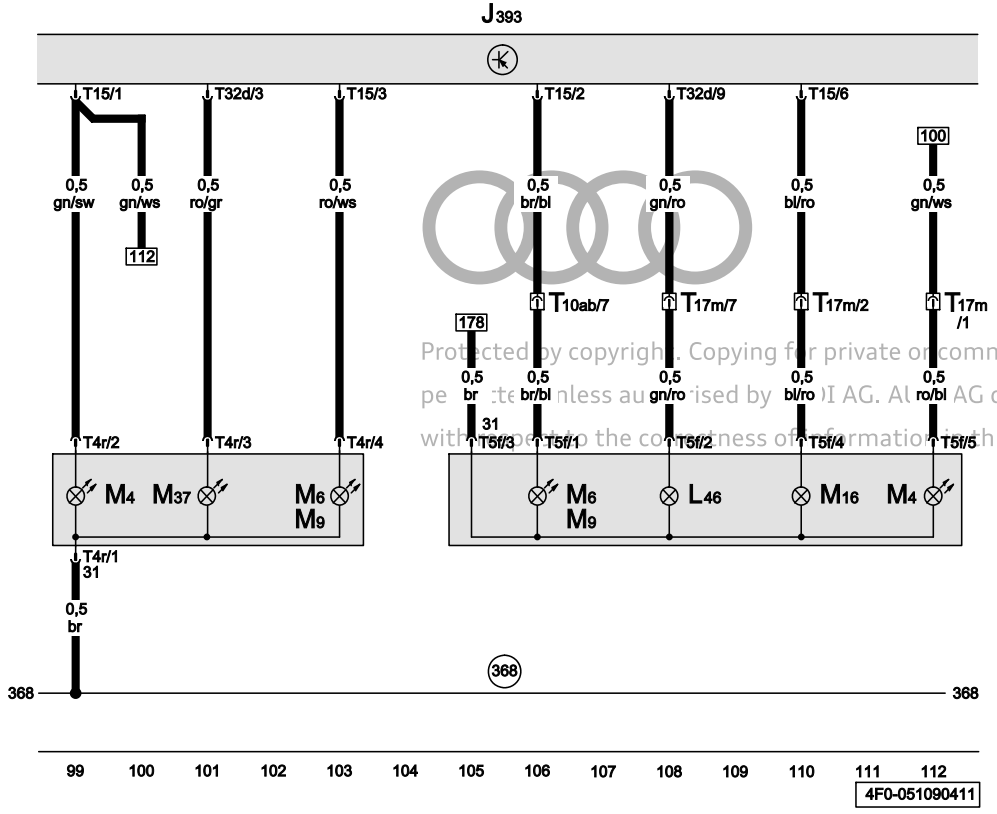
Convenience system central control unit, right tail light, Highline

J393	Convenience system central control unit
L47	Rear right fog light bulb
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
T4s	4-pin connector, black, on right tail light
T5g	5-Pin connector, black, on right rear tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B486	Connection 22 in main wiring harness
*	Not for Japan

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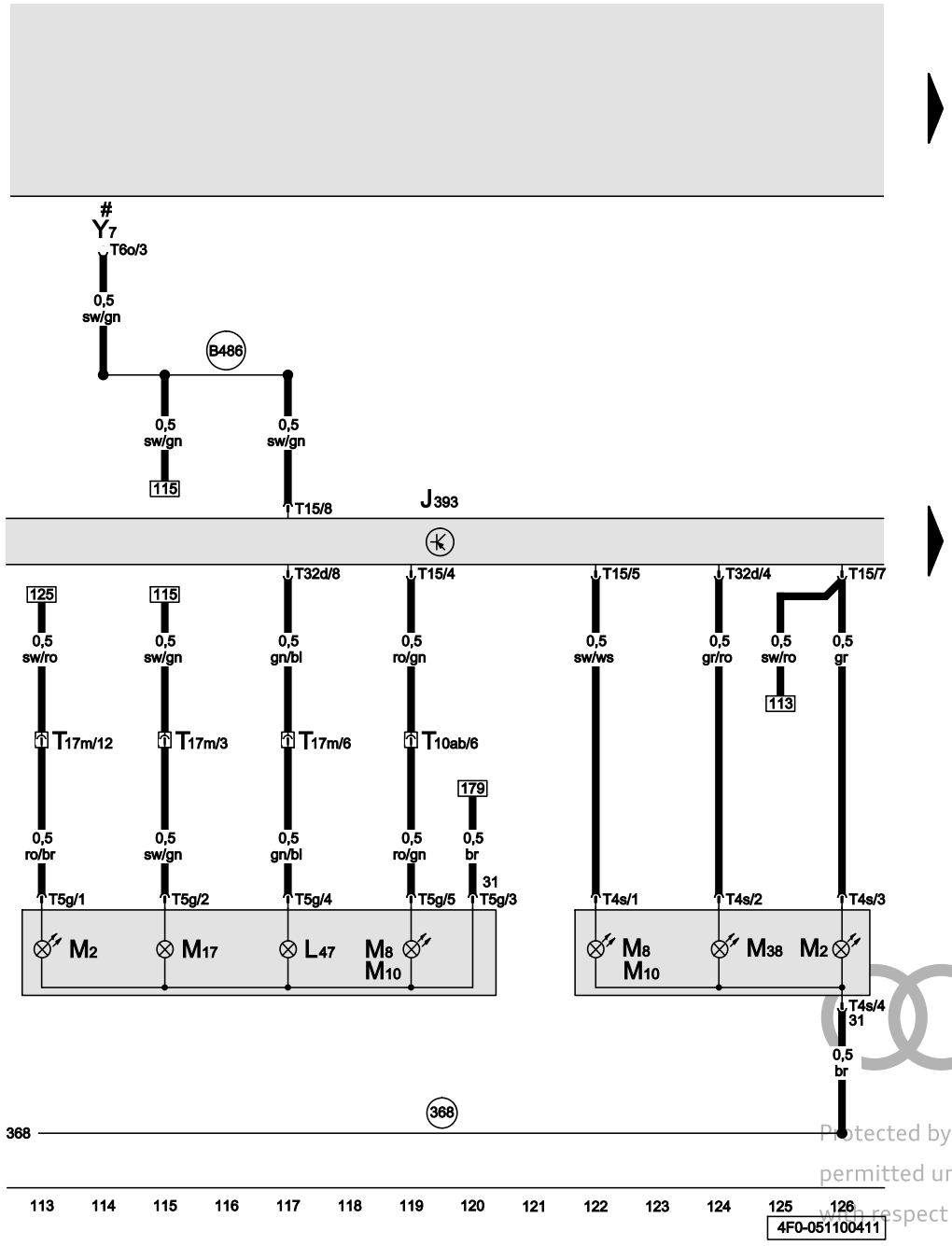
Convenience system central control unit, left tail light, USA

J393	Convenience system central control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
M37	Rear left side marker bulb
T4r	4-pin connector, black, on left tail light
T5f	5-Pin connector, black, on left rear tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness



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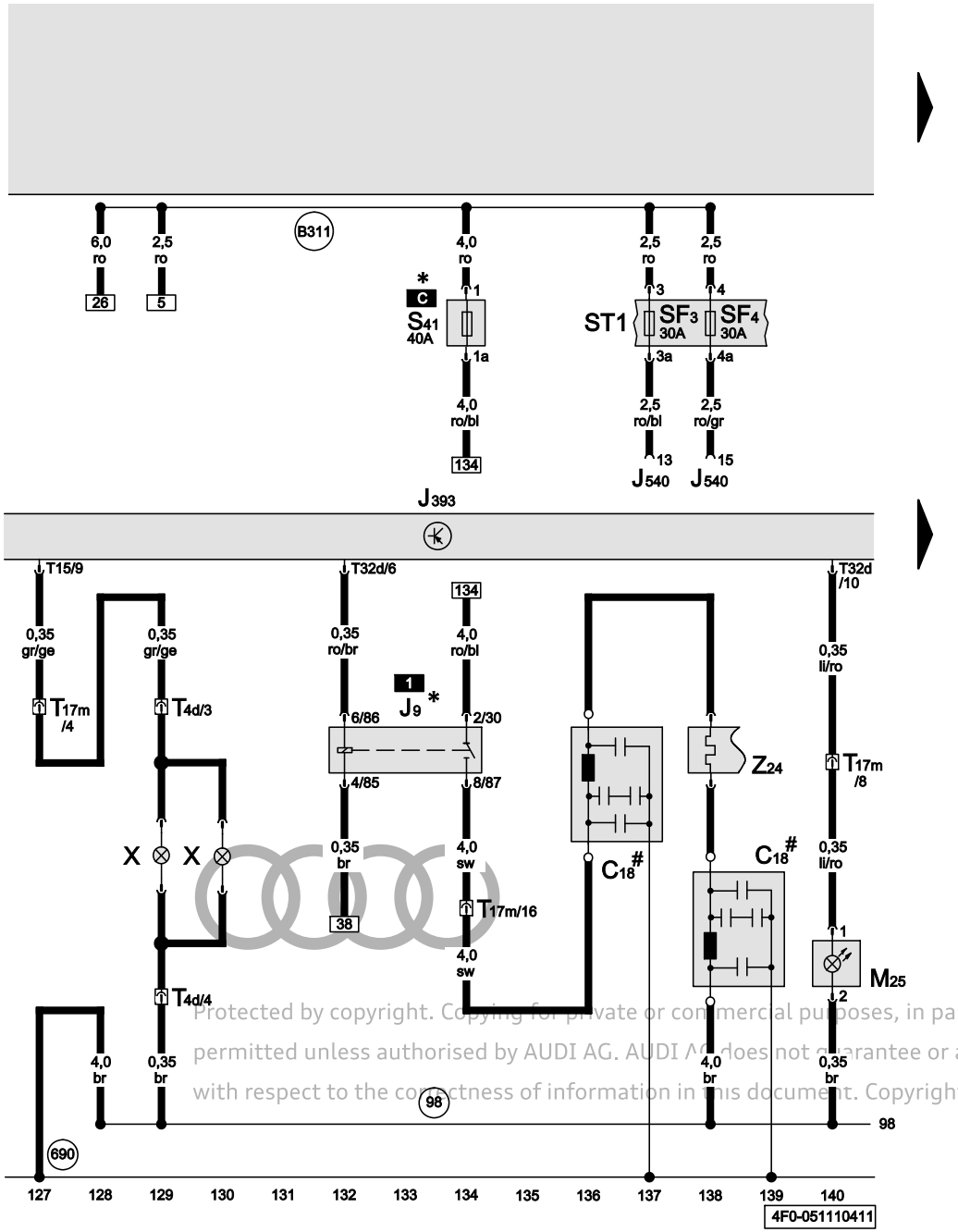


Convenience system central control unit, left and right tail light, USA

J393	Convenience system central control unit
L47	Rear right fog light bulb
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
M38	Rear right side marker bulb
T4s	4-pin connector, black, on right tail light
T5g	5-Pin connector, black, on right rear tail light, rear lid
T6o	6-pin connector, black, connector B, on front roof console
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
Y7	Automatic anti-dazzle interior mirror
368	Earth connection 3, in main wiring harness
B486	Connection 22 in main wiring harness
#	Models with automatic anti-dazzle interior mirror

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sw	=	black
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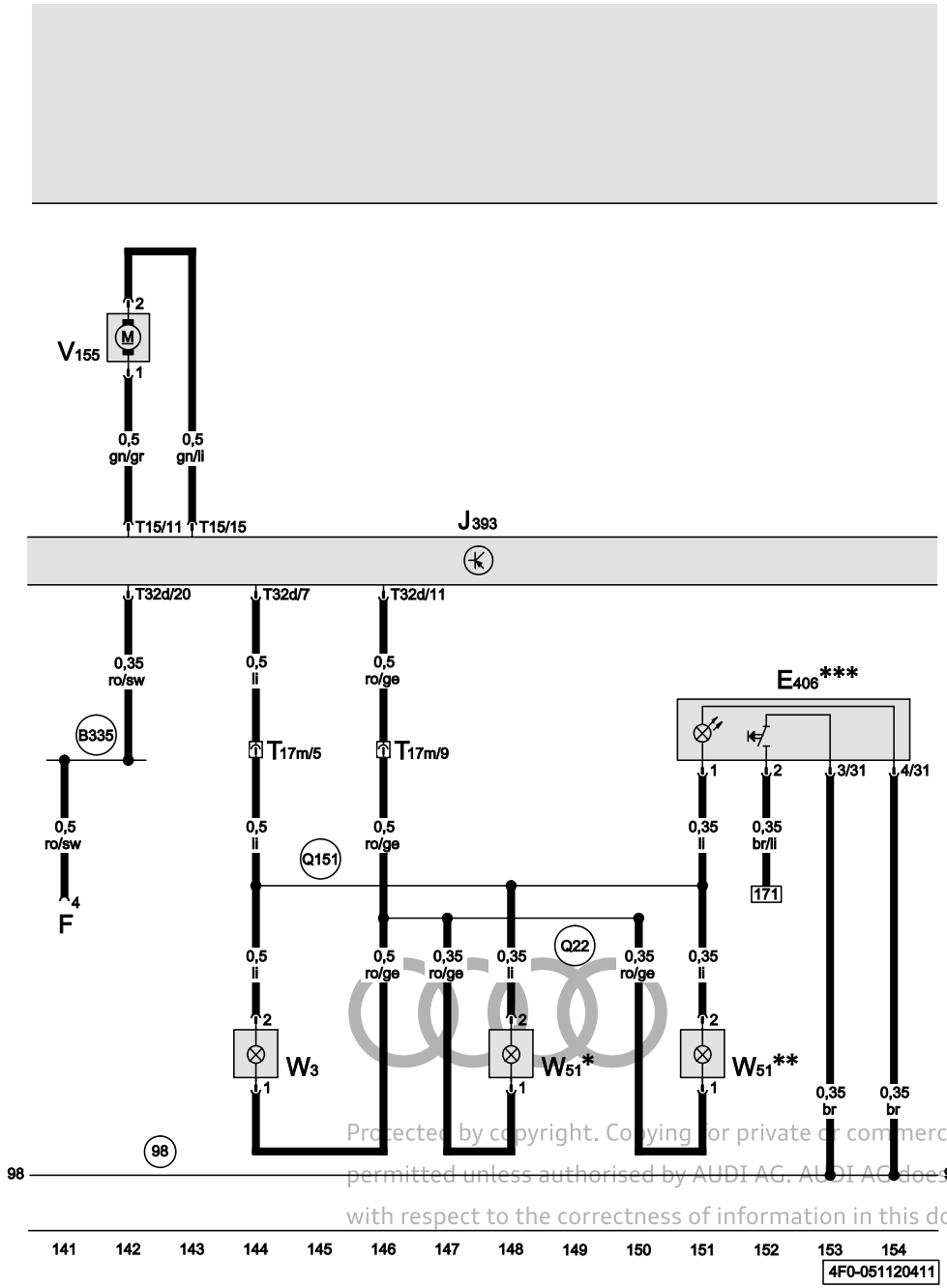


Convenience system central control unit, heated rear window relay, high-mounted brake light bulb, number plate light

C18	Window aerial suppression filter
J9	Heated rear window relay
J393	Convenience system central control unit
J540	Electric park and handbrake control unit
M25	High-mounted brake light bulb
S41	Heated rear window fuse
SF3	Fuse 3 in fuse holder
SF4	Fuse 4 in fuse holder
T4d	4-pin connector, black, in rear lid
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
X	Licence plate light
Z24	Heated rear window with window aerial
98	Ground connection in rear lid wiring harness
690	Earth point, rear centre roof frame
B311	Positive connection 15 (30), in main wiring harness
*	Relay and fuse carrier on right in luggage compartment
#	Not for MMI Basic

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sw	=	black
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Convenience system central control unit, button to close rear lid in luggage compartment, luggage compartment light, rear lid light

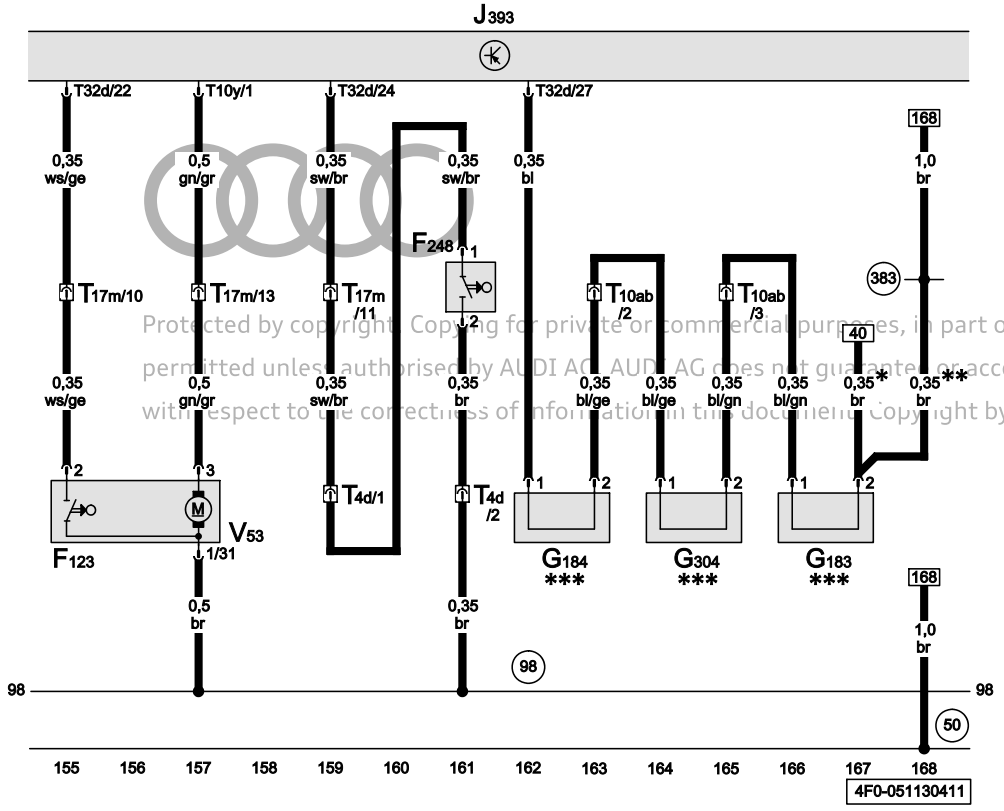
E406	Button to close rear lid in luggage compartment
F	Brake light switch
J393	Convenience system central control unit
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V155	Tank filler flap locking motor
W3	Luggage compartment light
W51	Rear lid light
98	Ground connection in rear lid wiring harness
B335	Connection 1 (54), in main wiring harness
Q22	Connection 1, in rear lid wiring harness
Q151	Connection (interior lamp) in rear lid wiring harness
*	Left
**	Right
***	Models with electric rear lid opener

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sw	=	black
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Convenience system central control unit, rear lid contact switch for anti-theft alarm, release button for rear lid lock cylinder, rear side window glass breakage sensor, glass breakage sensor for rear left and right window, glass breakage sensor for rear window, rear lid central locking motor

F123	Rear lid contact switch for anti-theft alarm
F248	Release button for rear lid lock cylinder
G183	Left rear window breakage sensor
G184	Right rear window breakage sensor
G304	Rear window breakage sensor
J393	Convenience system central control unit
T4d	4-pin connector, black, in rear lid
T10y	10-pin connector, black, connector C, on comfort system control module
T10ab	10-pin connector, brown, coupling station on right D-pillar
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V53	Rear lid central locking motor
50	Earth point, on left in luggage compartment
98	Ground connection in rear lid wiring harness
383	Earth connection 18, in main wiring harness
*	up to October 2005
**	from November 2005
***	if present



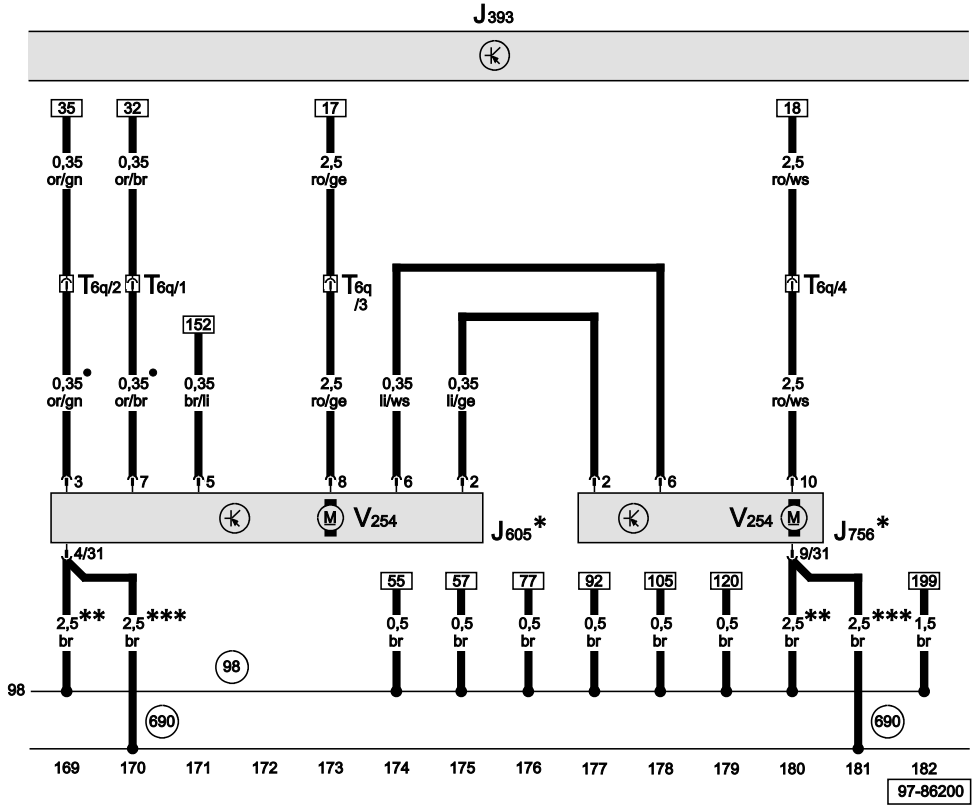
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Convenience system central control unit, rear lid control unit, rear lid electric release motor

J393	Convenience system central control unit
J605	Rear lid control unit
J756	Rear lid control unit 2
T6q	6-pin connector, red, coupling station on right D-pillar
V254	Rear lid electric release motor
98	Ground connection in rear lid wiring harness
690	Earth point, rear centre roof frame
•	CAN bus (data wire)
*	Models with electric rear lid opener
**	up to October 2005
***	from November 2005

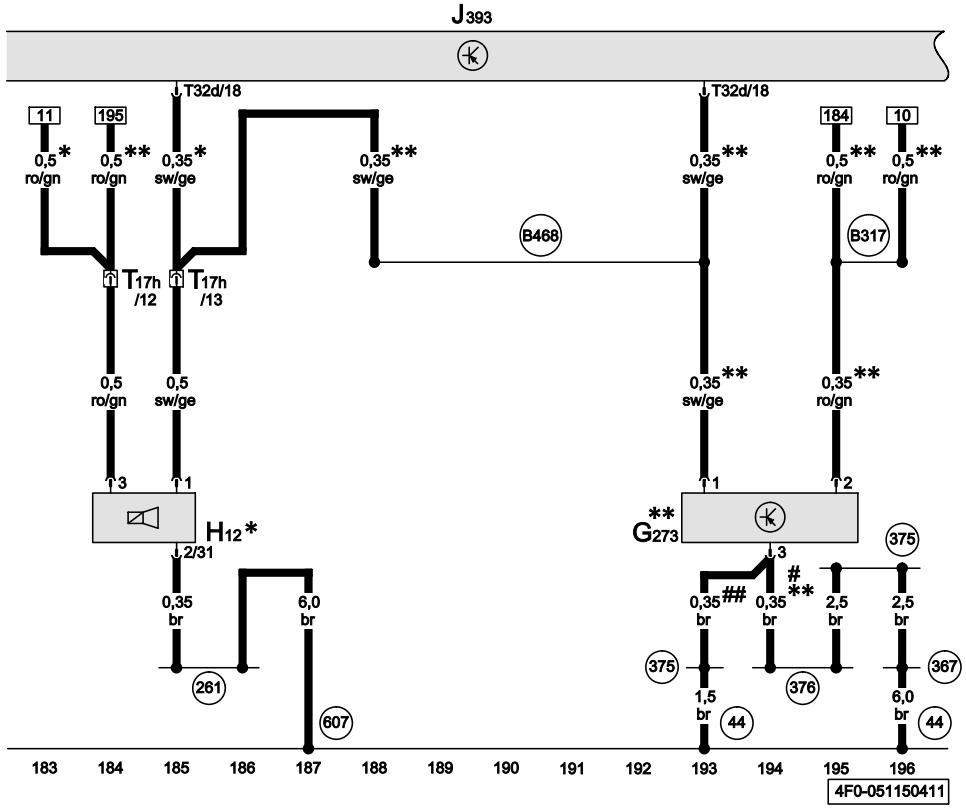


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Convenience system central control unit, alarm horn, interior monitoring sensor

G273	Interior monitoring sensor
H12	Alarm horn
J393	Convenience system central control unit
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
T32d	32-pin connector, blue, connector B, on convenience system central control unit
44	Earth point, lower part of left A-pillar
261	Earth connection, in heated washer jet wiring harness
367	Earth connection 2, in main wiring harness
375	Earth connection 10, in main wiring harness
376	Earth connection 11, in main wiring harness
607	Earth point, on left in plenum chamber
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4 in main wiring harness
*	Models with anti-theft alarm system
**	Models with anti-theft alarm system and interior monitoring
#	up to October 2005
##	from November 2005

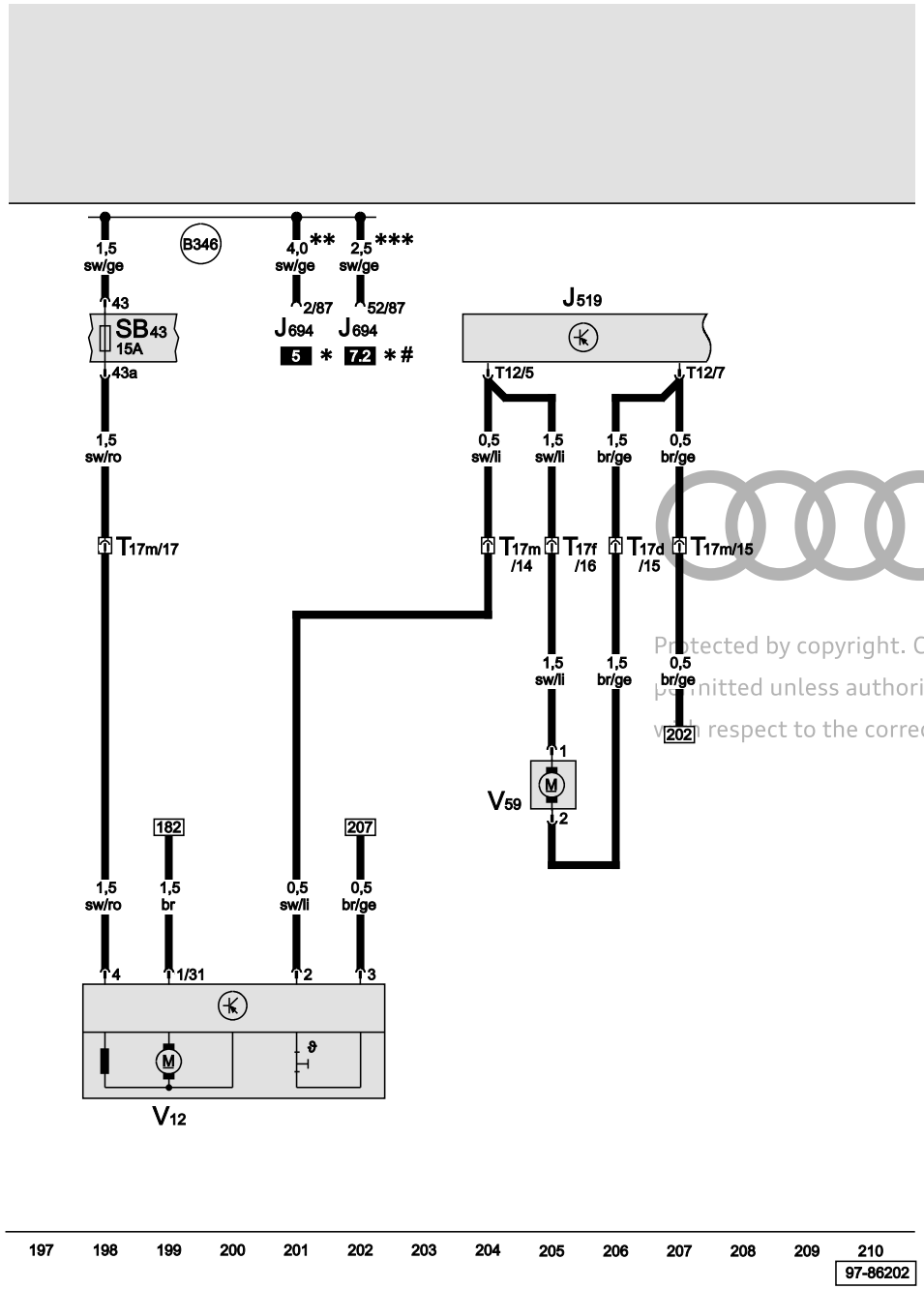
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Rear window wiper motor, windscreen and rear window washer pump

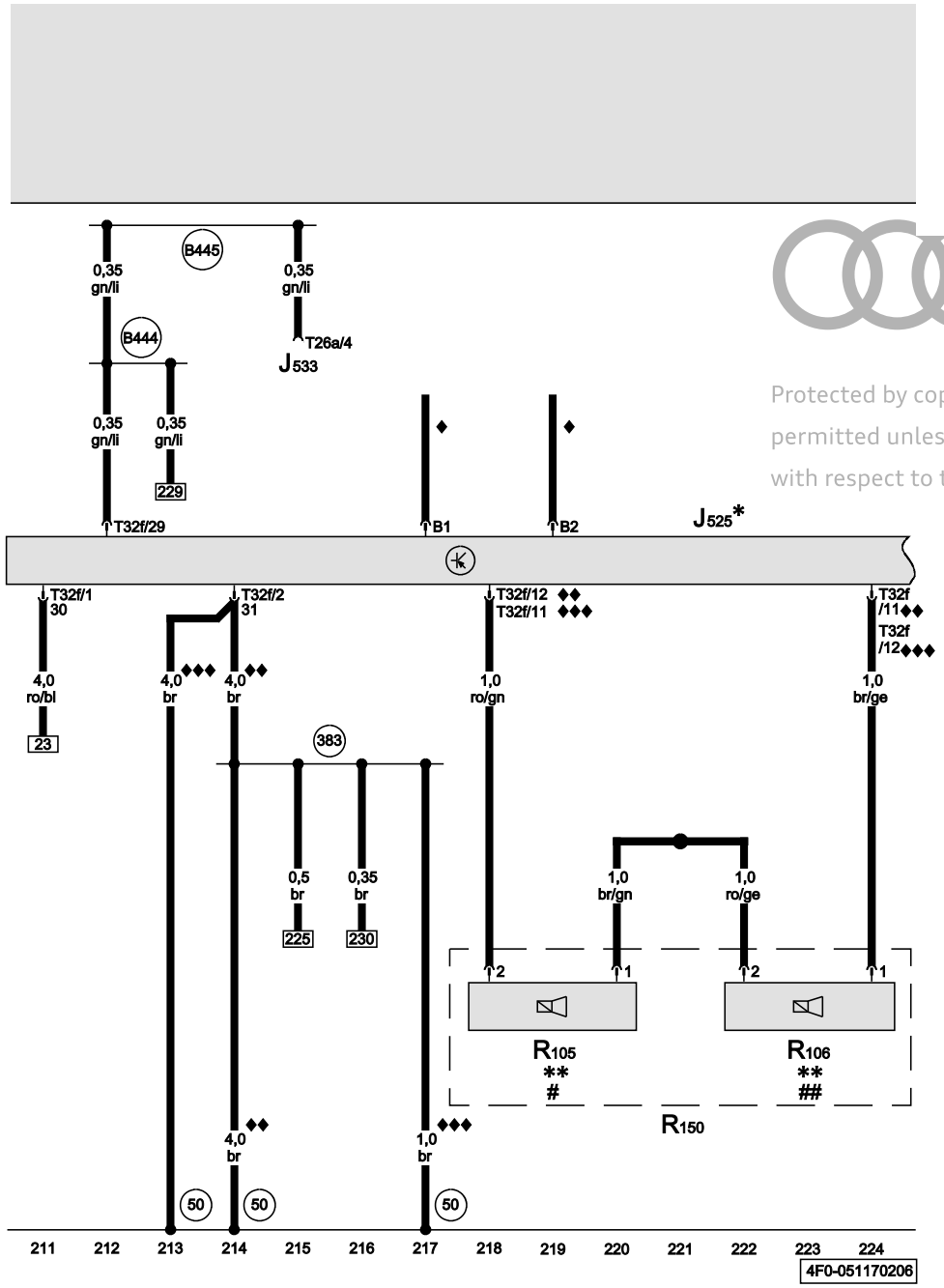
J519	Onboard supply control unit
J694	Terminal 75x voltage supply relay
SB43	Fuse 43 in fuse holder
T12	12-pin connector, black, connector B, on onboard power supply control unit
T17d	17-pin connector, black, coupling station on left A-pillar
T17f	17-pin connector, green, coupling station on left A-pillar
T17m	17-pin connector, black, coupling station on right D-pillar
V12	Rear window wiper motor
V59	Windscreen and rear window washer pump
B346	Connection 1 (75), in main wiring harness
*	9-slot relay carrier, behind driver storage compartment
**	up to October 2005
***	from November 2005
#	from model year 2006



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or	=	orange
rs	=	pink

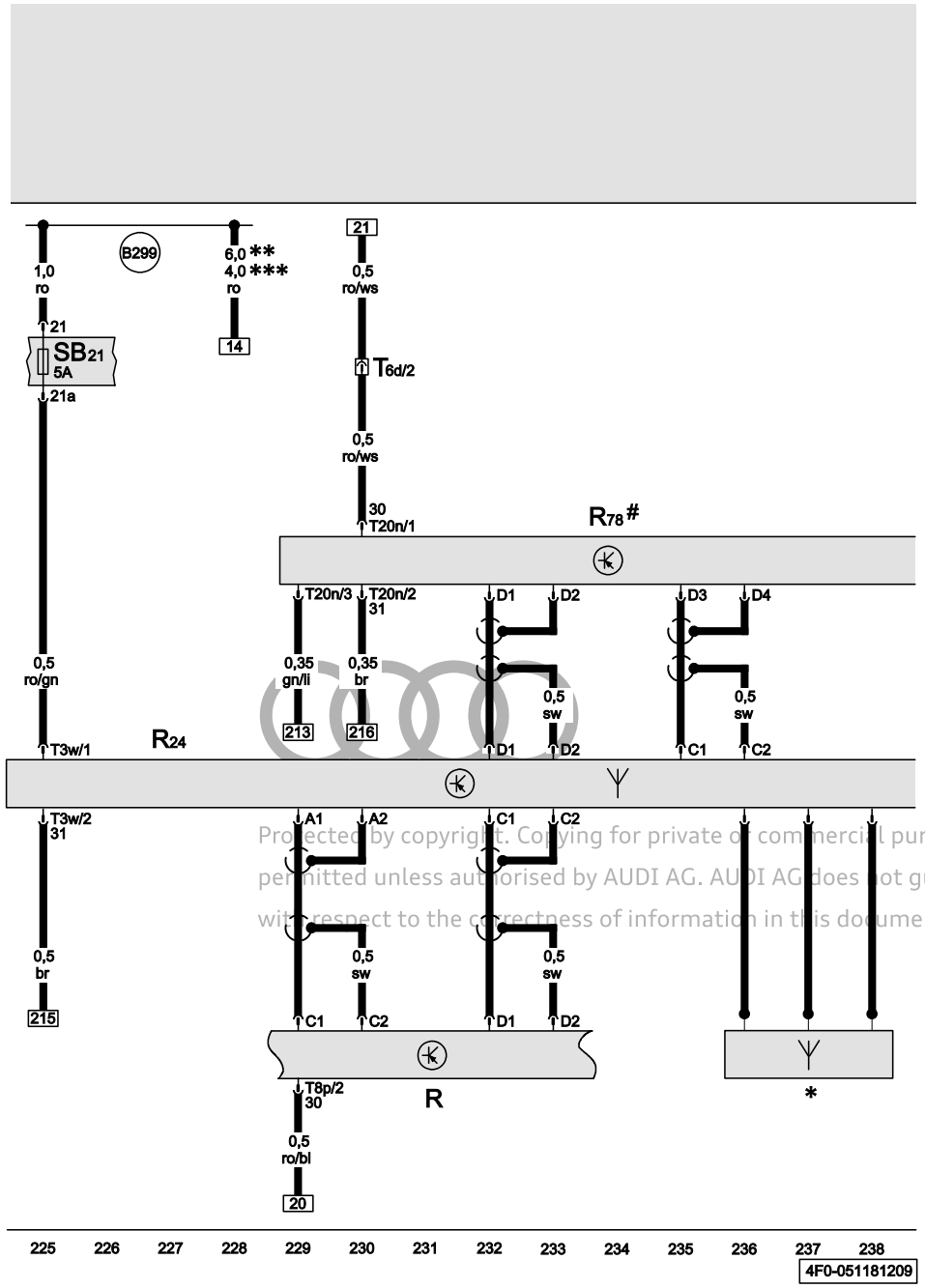
Digital sound package control unit, rear left and right mid-range and bass loudspeaker in D-pillar



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J525	Digital sound package control unit
J533	Data bus diagnostic interface
R105	Rear left mid-range loudspeaker
R106	Rear right mid-range loudspeaker
R150	Loudspeaker in rear shelf
T26a	26-pin connector, black, on data bus diagnostic interface
T32f	32-pin connector, black, connector A, on digital sound package control unit
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	on left in luggage compartment
**	BOSE sound system only
#	in left D-pillar
##	In right D-pillar
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)
◆◆	up to October 2005
◆◆◆	from November 2005

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



Radio, aerial amplifier, TV tuner

R	Radio
R24	Aerial amplifier
R78	TV tuner
SB21	Fuse 21 in fuse holder
T3w	3-pin connector, black, on aerial amplifier
T6d	6-pin connector, black, on left in luggage compartment
T8p	8-pin connector, black, on radio (K box)
T20n	20-Pin connector, red, connector B, on TV tuner
B299	Positive connection 3 (30), in main wiring harness
*	Left side window aerial
**	up to October 2005
***	from November 2005
#	Models with TV tuner

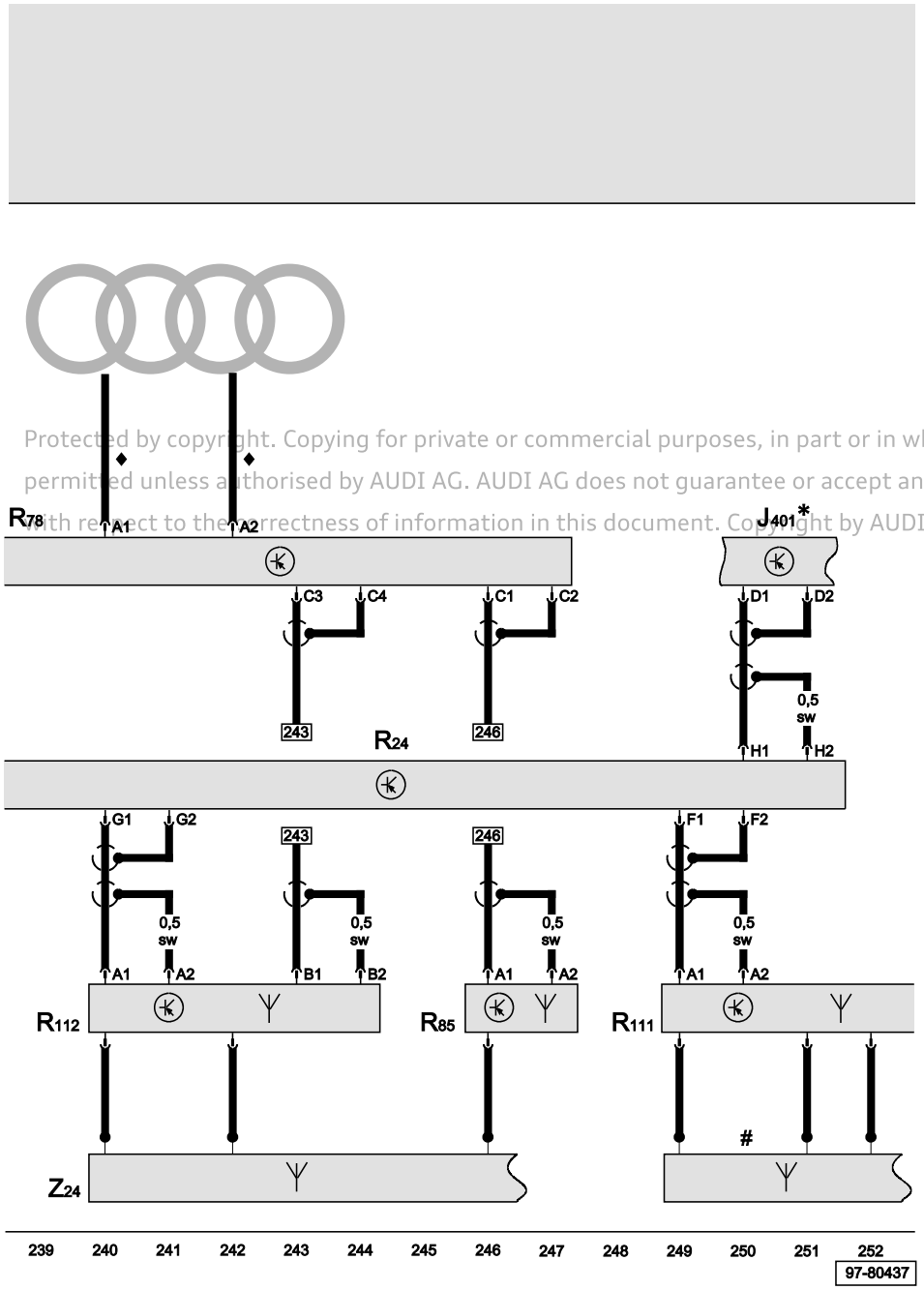
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ge	=	yellow
or	=	orange
rs	=	pink

TV tuner, aerial amplifier, aerial amplifier 2, aerial amplifier 3, aerial amplifier 4 for TV

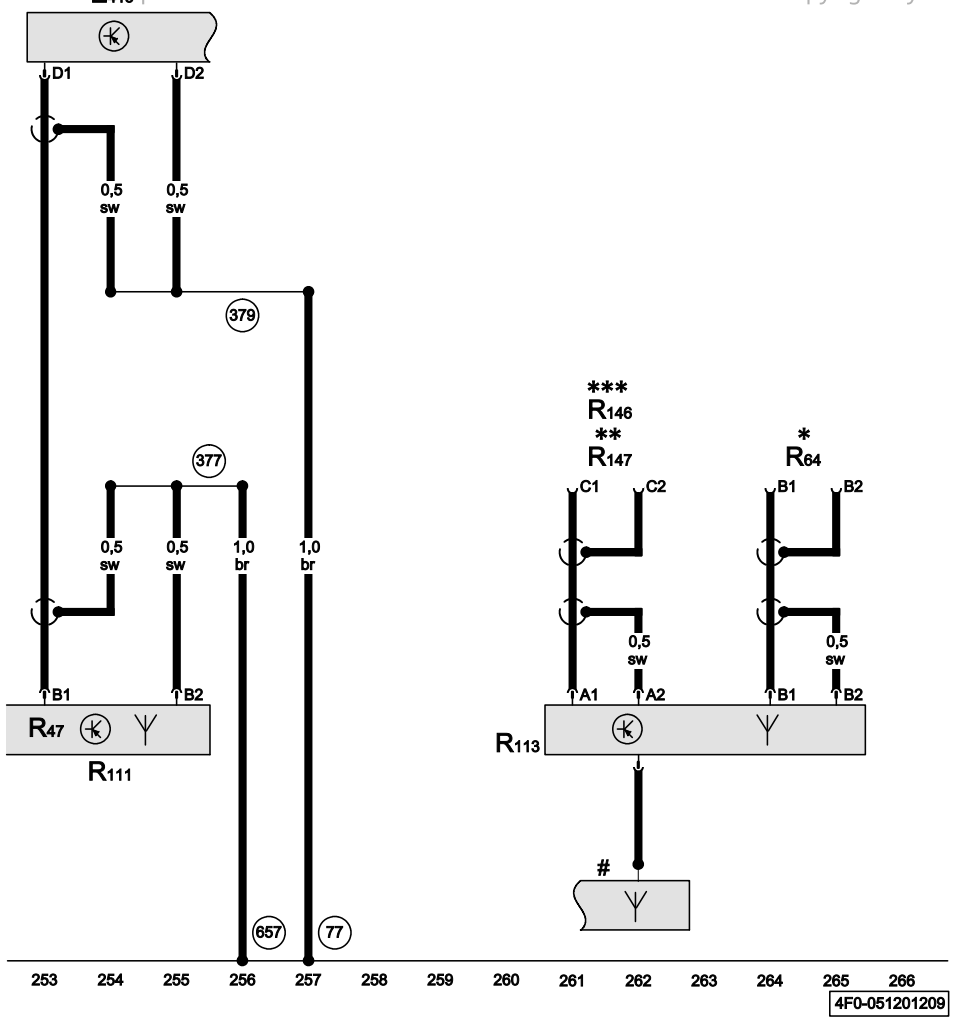
J401	Navigation system with CD drive control unit
R24	Aerial amplifier
R78	TV tuner
R85	Aerial amplifier 4 for TV
R111	Aerial amplifier 2
R112	Aerial amplifier 3
Z24	Heated rear window with window aerial
*	Japan navigation system only
#	Right side window aerial
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Aerial amplifier 2, aerial amplifier 4, central locking and anti-theft alarm system aerial

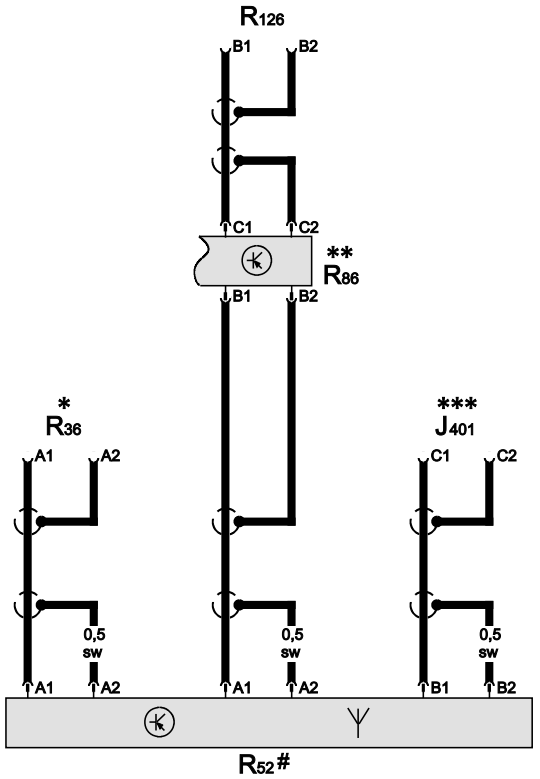
E415	Entry and start authorisation switch
R47	Central locking and anti-theft alarm system aerial
R64	Remote control receiver, auxiliary heater
R111	Aerial amplifier 2
R113	Aerial amplifier 4
R146	Satellite radio
R147	Digital radio
77	Earth point, lower part of left B-pillar
377	Earth connection 12, in main wiring harness
379	Earth connection 14, in main wiring harness
657	Earth point 1, on left near rear window
*	Models with auxiliary heater
**	Models with digital radio
***	Models with satellite radio
#	Right side window aerial

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

Roof aerial, radio, telephone and navigation system aerial

J401	Navigation system with CD drive control unit
R36	Telephone transmitter and receiver unit
R52	Radio, telephone and navigation system aerial
R86	Aerial amplifier for mobile telephone
R126	Telephone bracket
*	Models with telephone
**	Models with preparation for mobile telephone
***	Models with navigation system
#	Roof aerial

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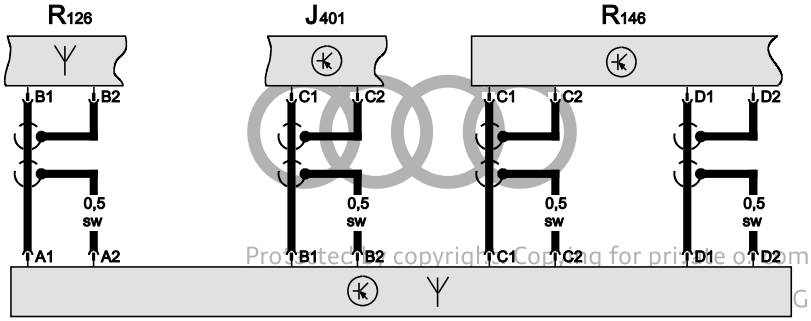
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ge	=	yellow
or	=	orange
rs	=	pink

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97-80444

Roof aerial USA, radio, telephone and navigation system aerial

J401	Navigation system with CD drive control unit
R52	Radio, telephone and navigation system aerial
R126	Telephone bracket
R146	Satellite radio
#	Roof aerial



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ge	=	yellow
or	=	orange
rs	=	pink

281 282 283 284 285 286 287 288 289 290 291 292 293 294

97-80445

MMI with Bose 6000 soundsystem (8RY)

from model year 2006

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

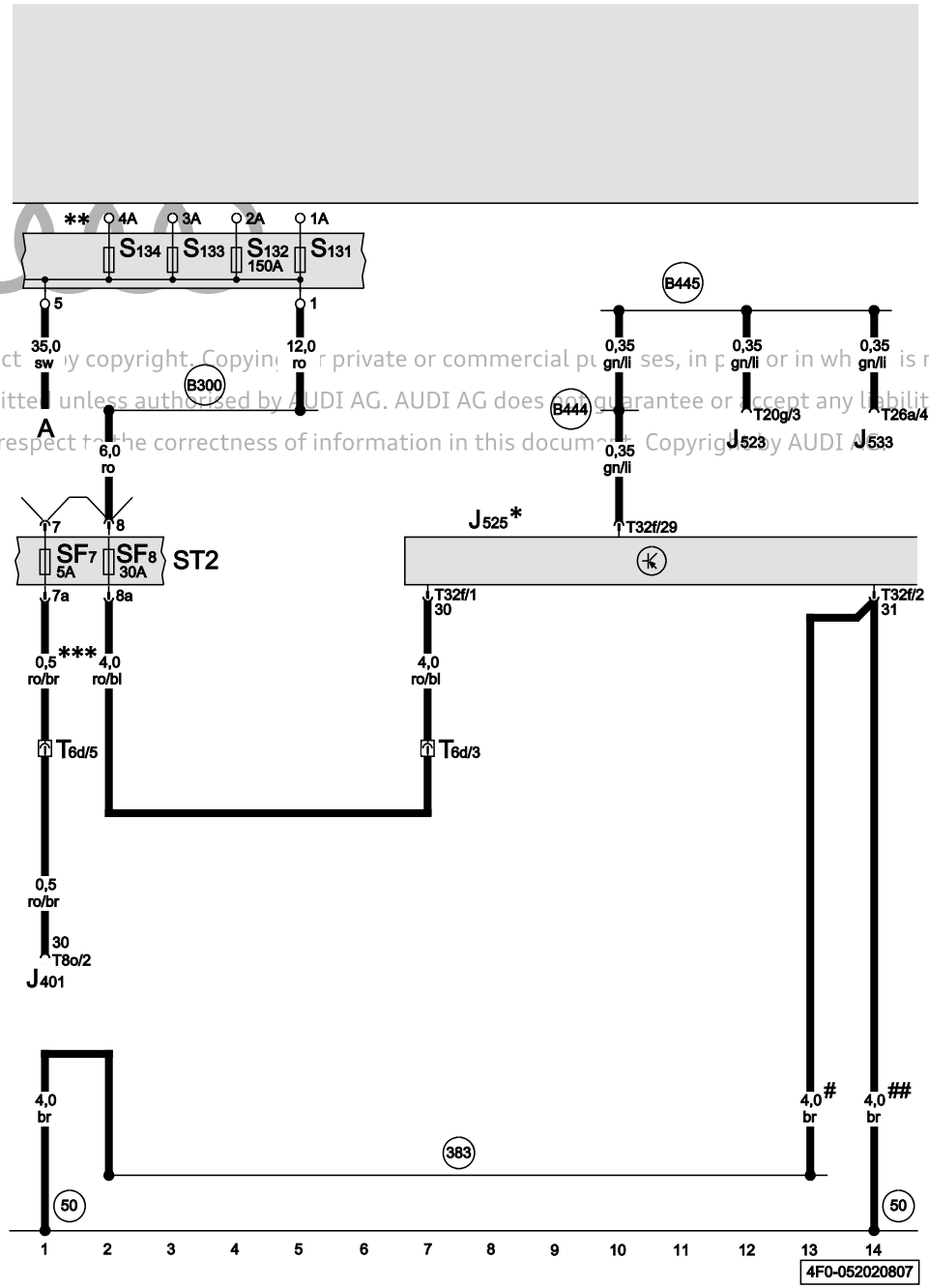
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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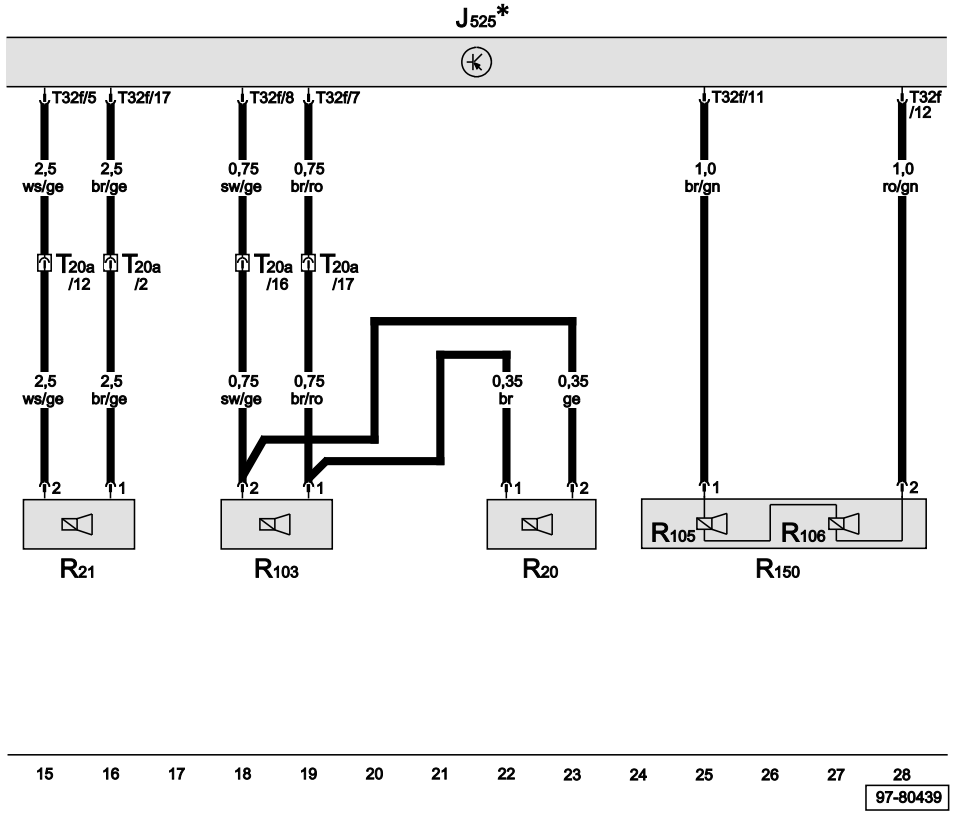
Digital sound package control unit, fuses

A	Battery
J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF7	Fuse 7 on fuse holder
SF8	Fuse 8 on fuse holder
T6d	6-pin connector, black, on left in luggage compartment
T8o	8-pin connector, black, on navigation system with CD drive control unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T32f	32-pin connector, black, connector A, on digital sound package control unit
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	on left in luggage compartment
**	Fuse and relay carrier right in luggage compartment
***	models with navigation system
#	up to October 2005
##	from November 2005

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Digital sound package control unit, front left treble loudspeaker, front left bass loudspeaker, front left mid-range loudspeaker, loudspeaker in rear shelf

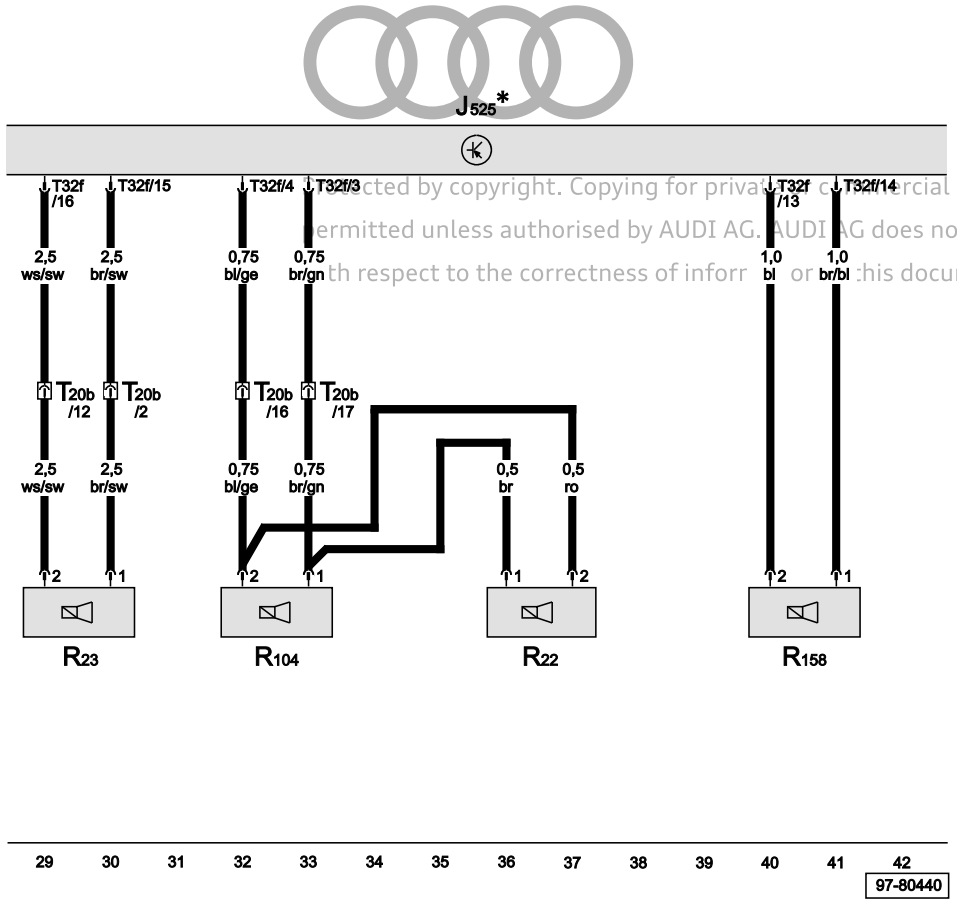
J525	Digital sound package control unit
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
R103	Front left mid-range loudspeaker
R105	Rear left mid-range loudspeaker
R106	Rear right mid-range loudspeaker
R150	Loudspeaker in rear shelf
T20a	20-pin connector, black, left A-pillar
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment



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or	=	orange
rs	=	pink

Digital sound package control unit, front right treble loudspeaker, front right bass loudspeaker, front right mid-range loudspeaker, centre mid-range and treble loudspeaker

J525	Digital sound package control unit
R22	Front right treble loudspeaker
R23	Front right bass loudspeaker
R104	Front right mid-range loudspeaker
R158	Centre mid-range and treble loudspeaker
T20b	20-pin connector, black, right A-pillar
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment

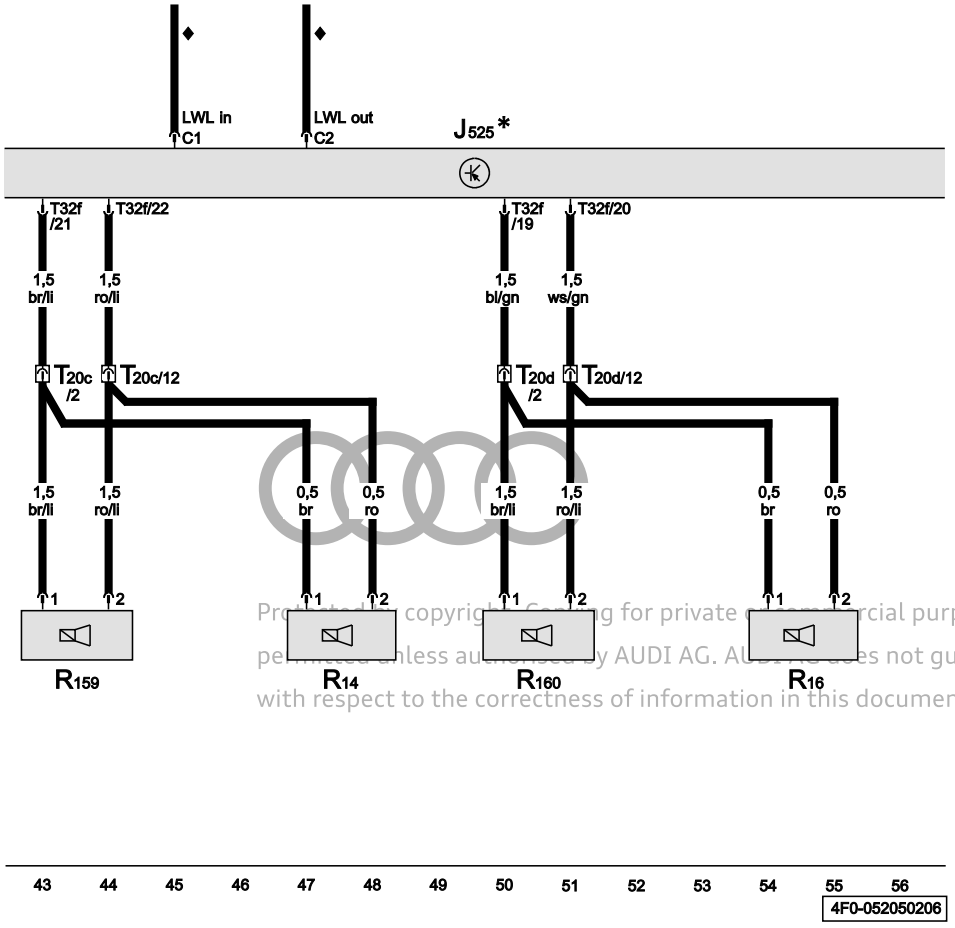


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Digital sound package control unit, rear left and right treble loudspeaker, rear left and right mid-range and bass loudspeaker

J525	Digital sound package control unit
R14	Rear left treble loudspeaker
R16	Rear right treble loudspeaker
R159	Rear left mid-range and bass loudspeaker
R160	Rear right mid-range and bass loudspeaker
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment
◆	Fibre optic conductor, see Current Flow Diagram infotainment data bus (Most Ring)

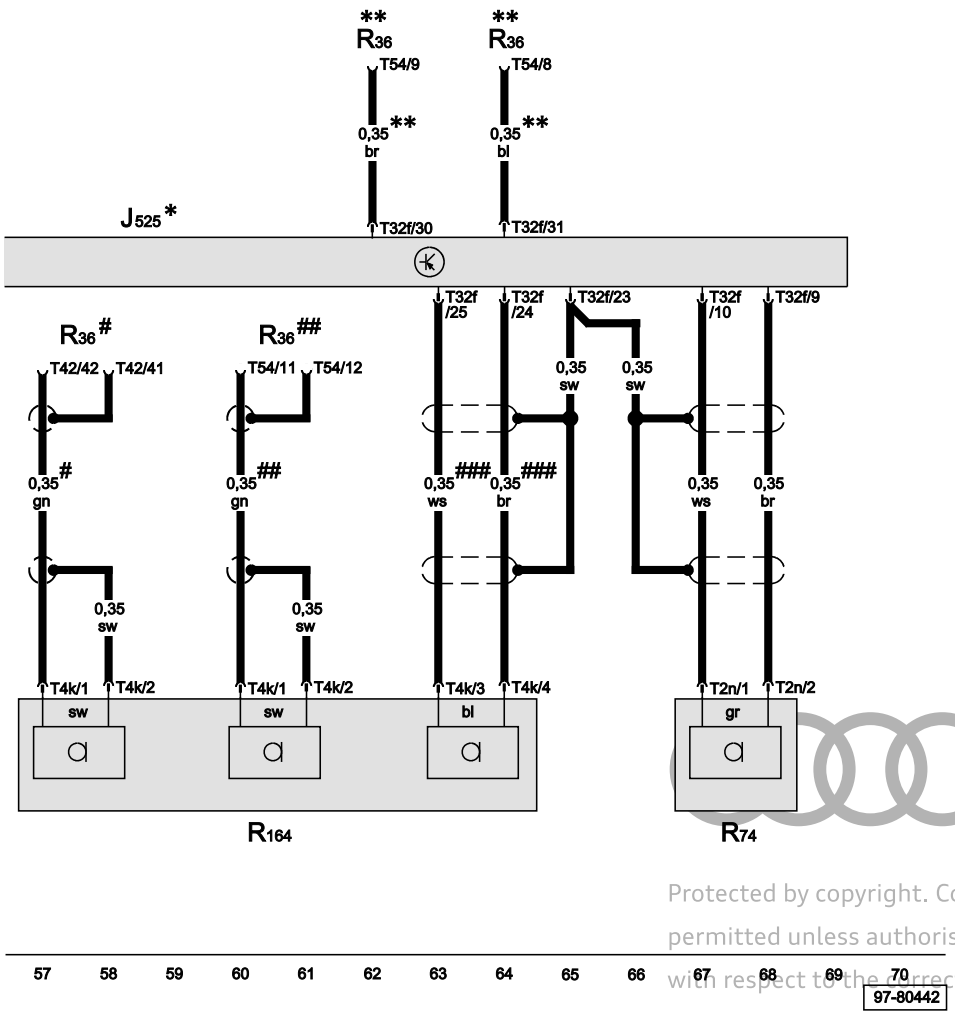


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or	=	orange
rs	=	pink

Digital sound package control unit, internal microphone, microphone unit in front roof module

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R74	Internal microphone
R164	Microphone unit in front roof module
T2n	2-pin connector, black, microphone connection roof module
T4k	4-pin connector, black, microphone connection roof module
T32f	32-pin connector, black, connector A, on digital sound package control unit
T42	42-pin connector, blue, on telephone transmitter and receiver unit
T54	54-pin connector, black, on telephone transmitter and receiver unit
*	on left in luggage compartment
**	only Japan
#	models with microphone
##	models with preparation for mobile telephone
###	models with voice control



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gn = green
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Electric tyre pressure monitor USA (7K7)

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

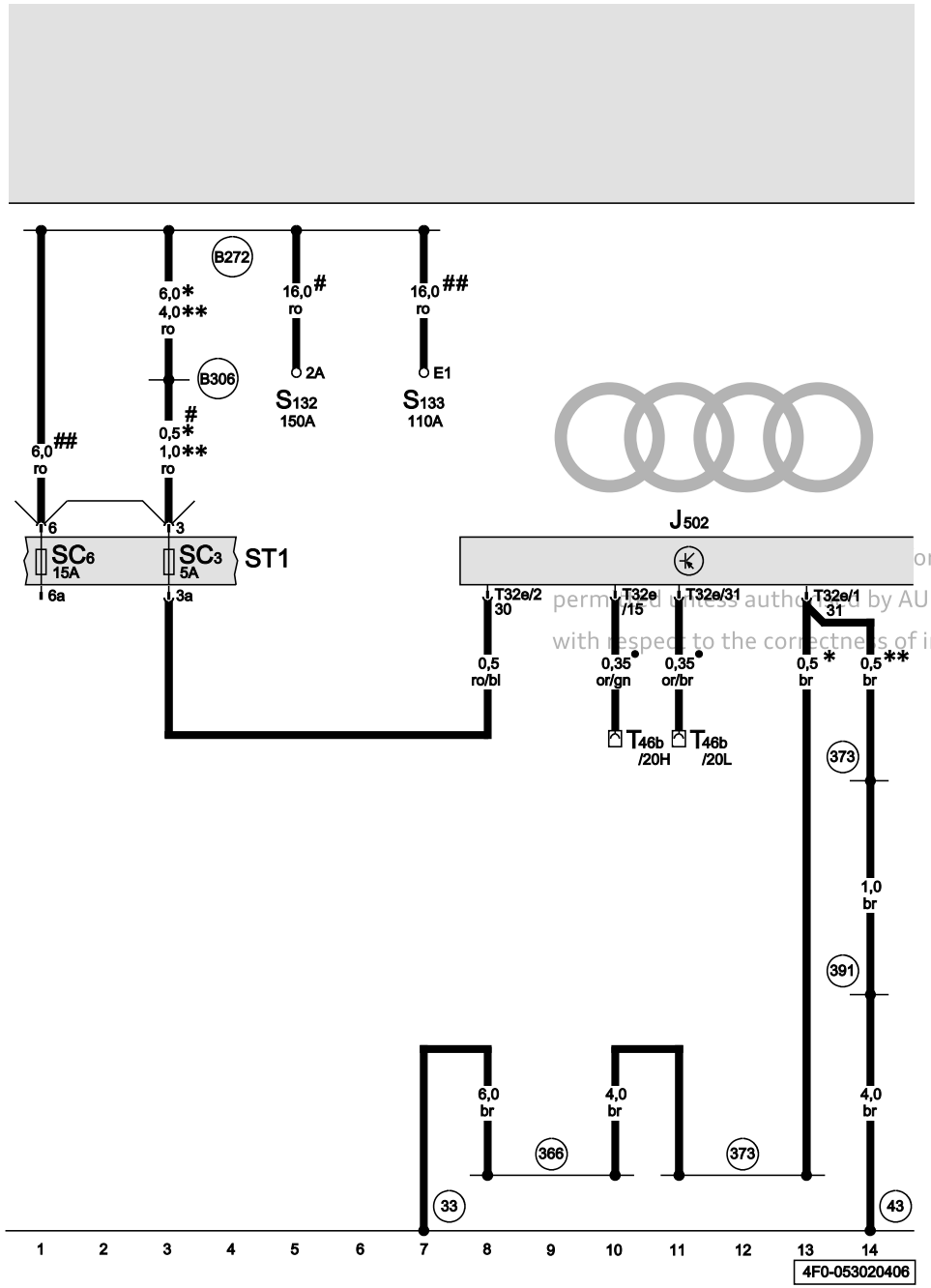
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Tyre pressure monitor control unit, fuse

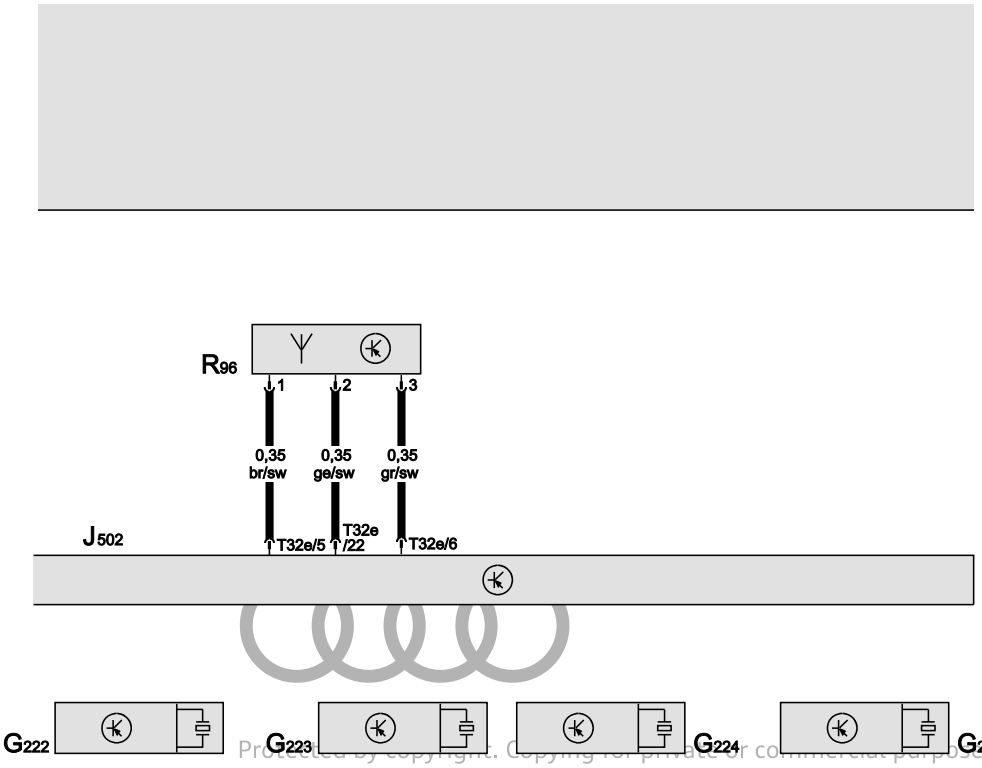
J502	Tyre pressure monitor control unit
S132	Fuse 2
S133	Fuse 3
SC3	Fuse 3 on fuse holder
SC6	Fuse 6 on fuse holder
T32e	32-pin connector, white, on tyre pressure monitor control unit
T46b	46-pin connector, CAN separating connector right
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B272	Positive connection (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
•	CAN bus (data wire)
*	up to October 2005
**	from November 2005
#	up to model year 2006
##	from model year 2007

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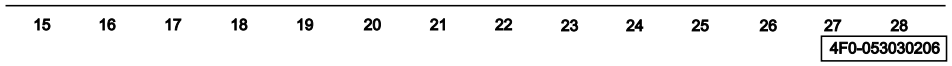
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or	=	orange
rs	=	pink

Tyre pressure monitor control unit, front left and right tyre pressure sensor, rear left and right tyre pressure sensor, rear tyre pressure monitor aerial

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 monitor control unit
R96	Rear tyre pressure monitor aerial
T32e	32-pin connector, white, on tyre pressure monitor control unit



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Audi A6 2.0 l Fuel injection engine (125 kW - 4 cylinder), engine code BPJ

from model year 2006

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

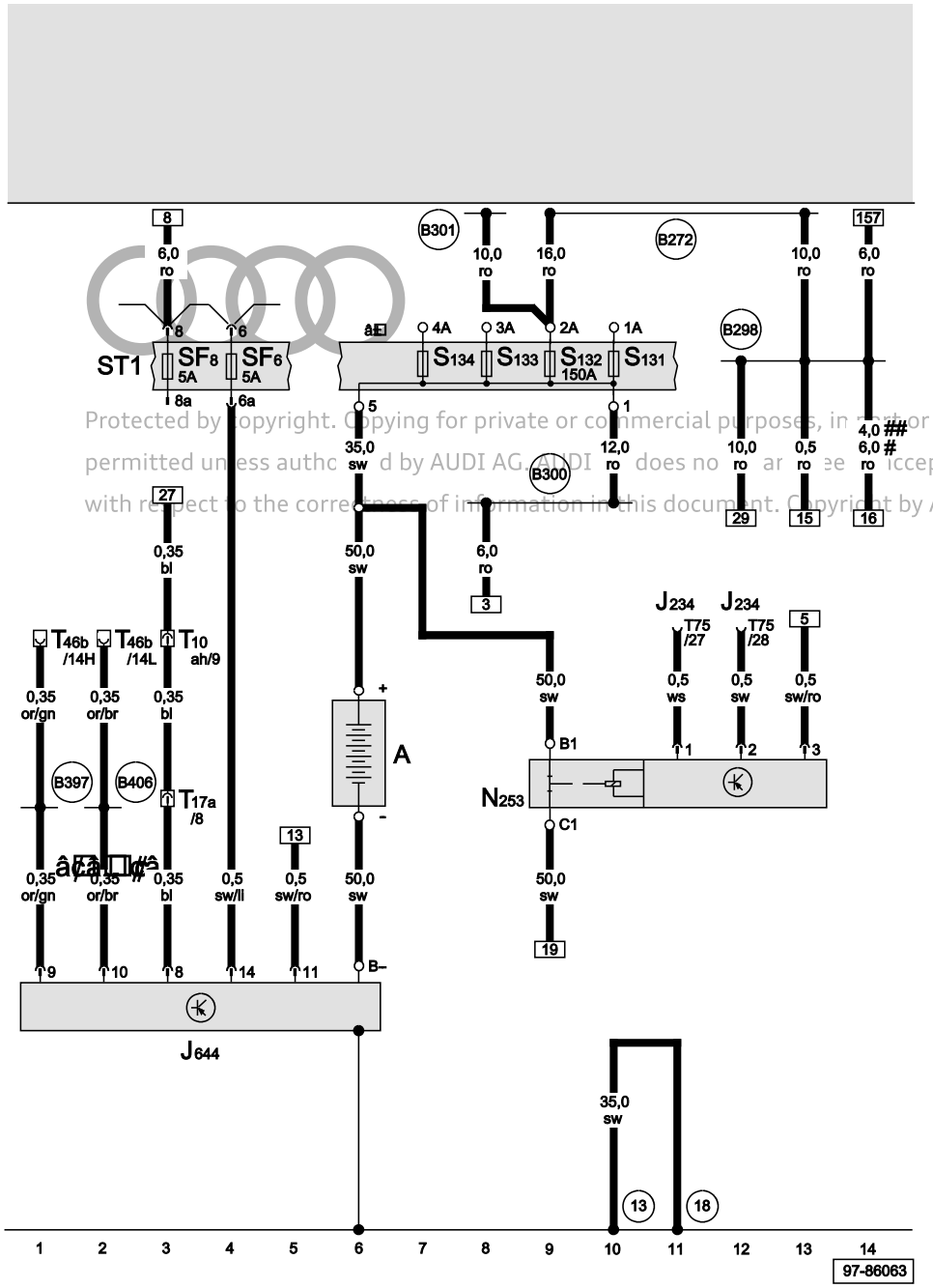
For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Battery, energy management control unit, battery isolation igniter, fuses

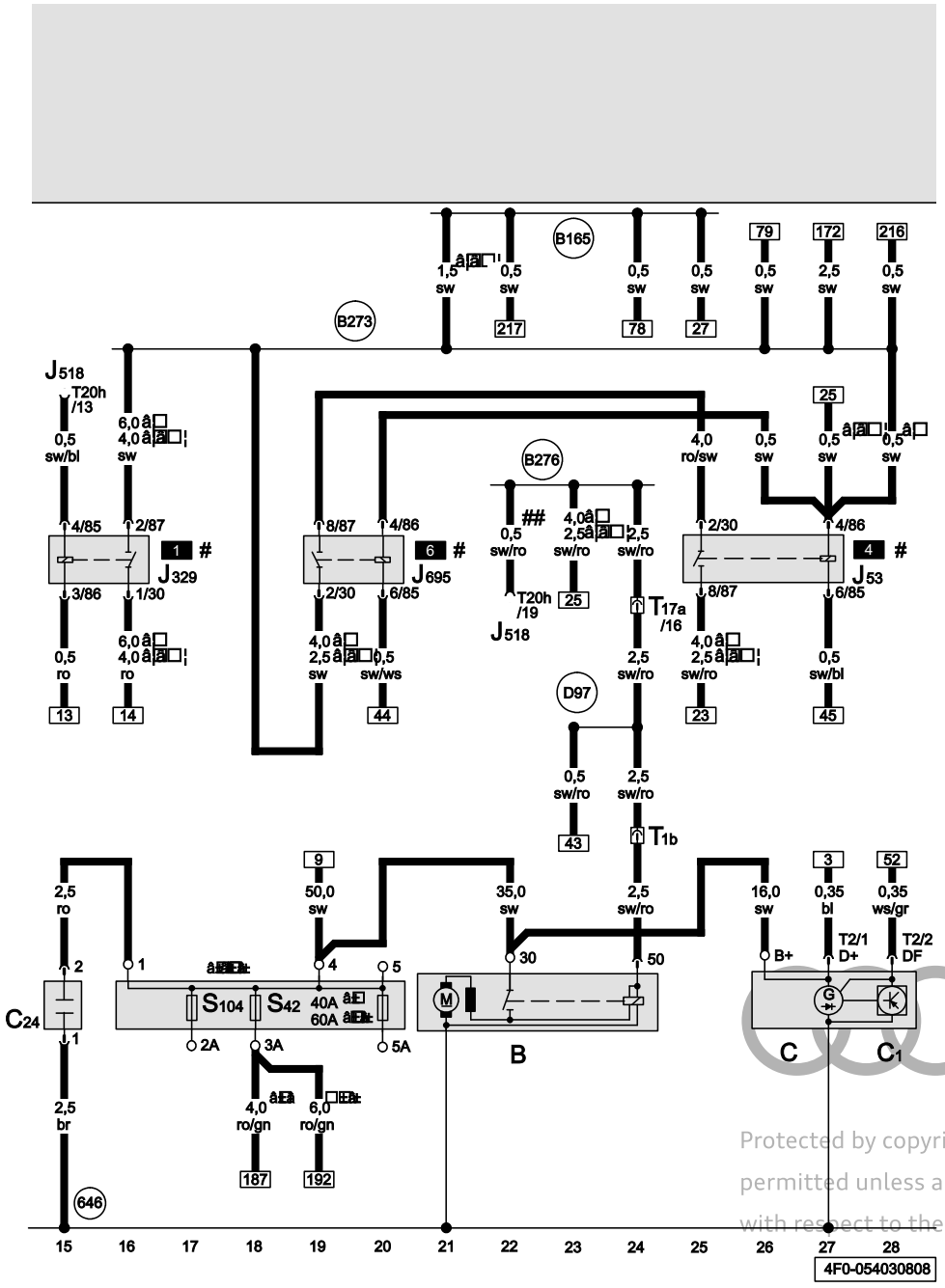


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rs	=	pink

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF6	Fuse 6 on fuse holder
SF8	Fuse 8 on fuse holder
T10ah	10-pin connector, black, in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit**
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment
**	connector colour USA white
#	up to October 2005
##	from November 2005

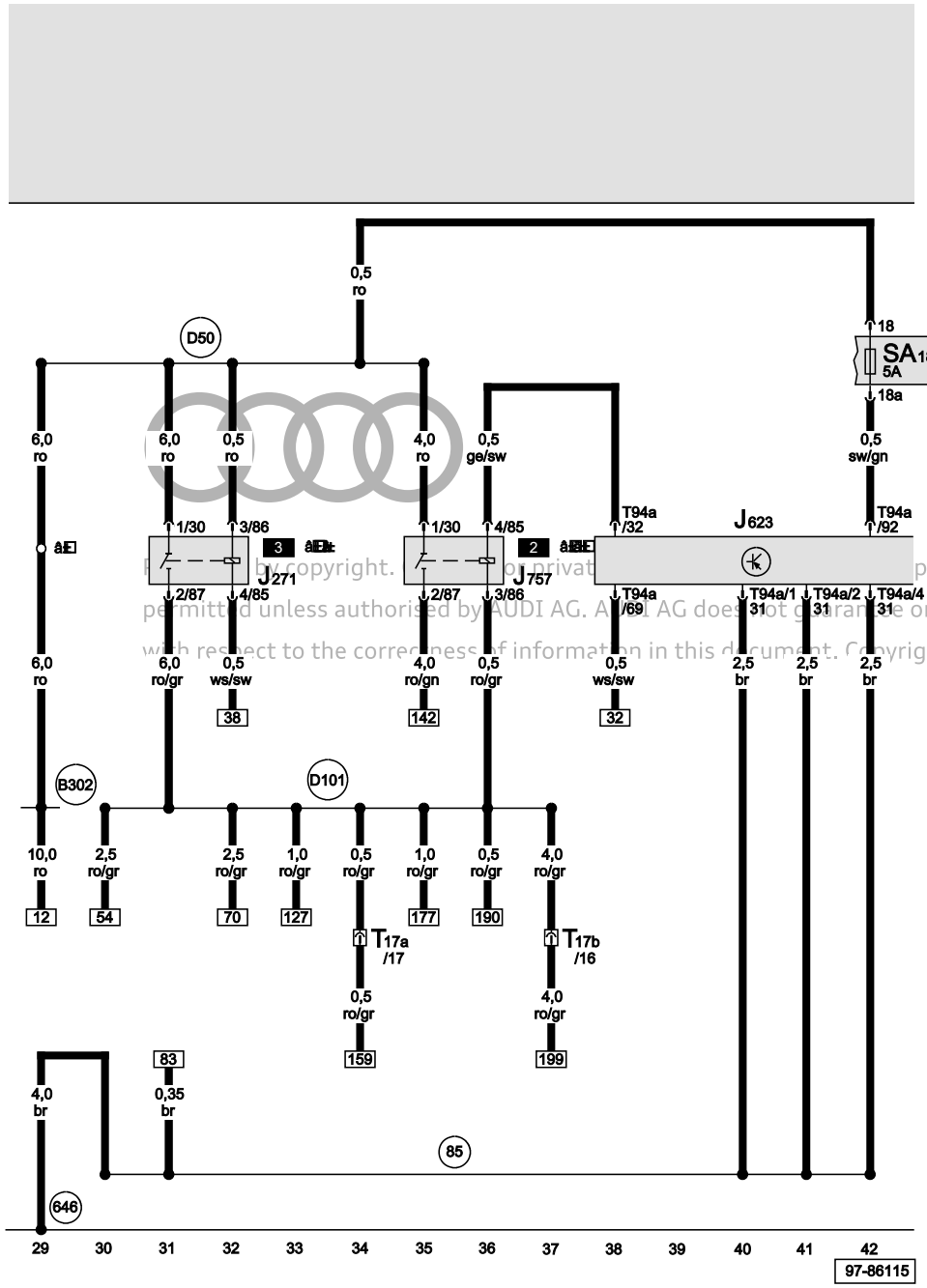
Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter



B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B276	Positive connection (50), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	standard cooling
**	heavy-duty cooling
***	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment
##	no longer fitted, phased from model year 2006
◆	up to October 2005
◆◆	from November 2005

ws	=	white
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rt	=	red
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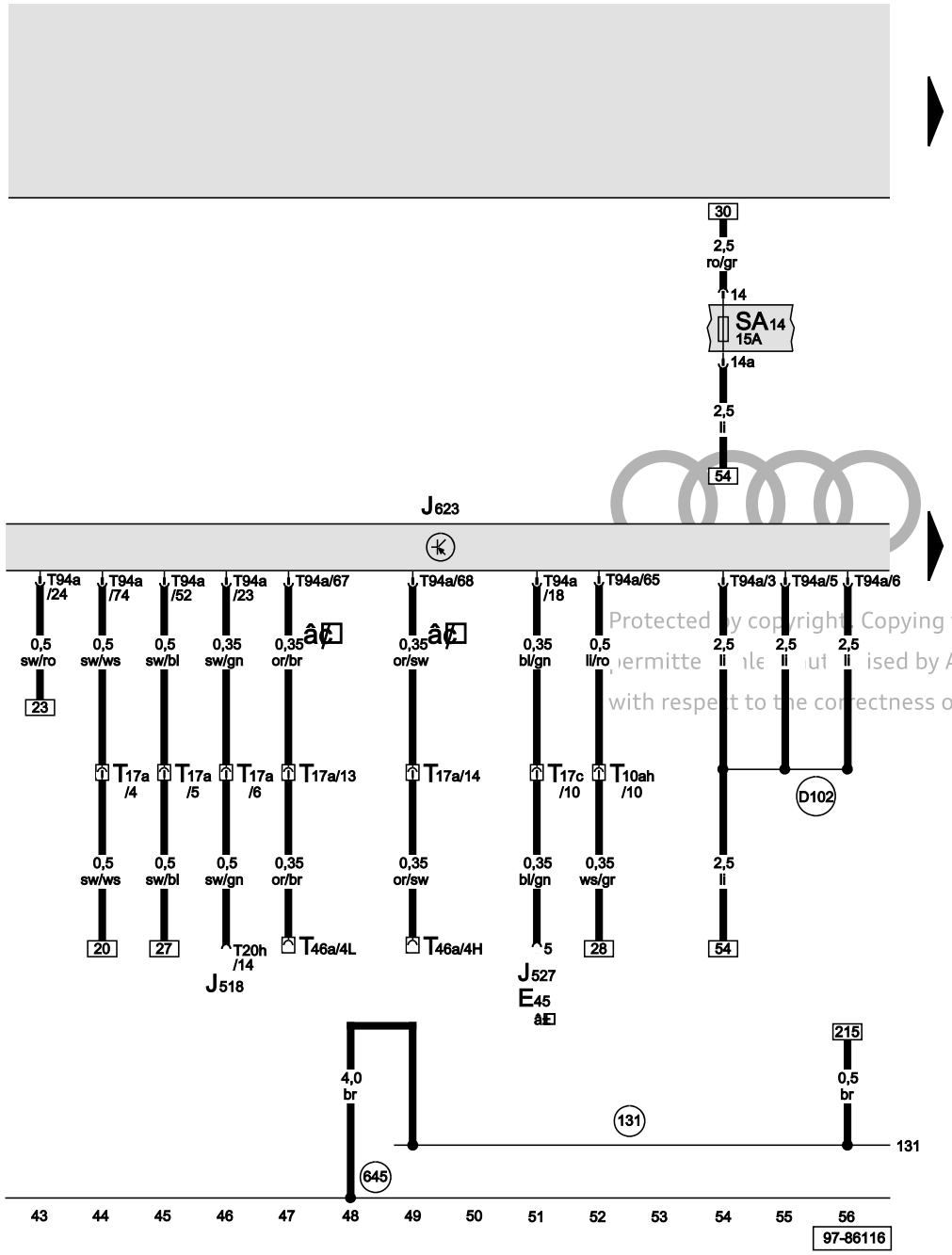


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Engine control unit, Motronic current supply relay, engine component current supply relay

J271	Motronic current supply relay
J623	Engine control unit
J757	Engine component current supply relay
SA18	Fuse 8 on fuse holder engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber



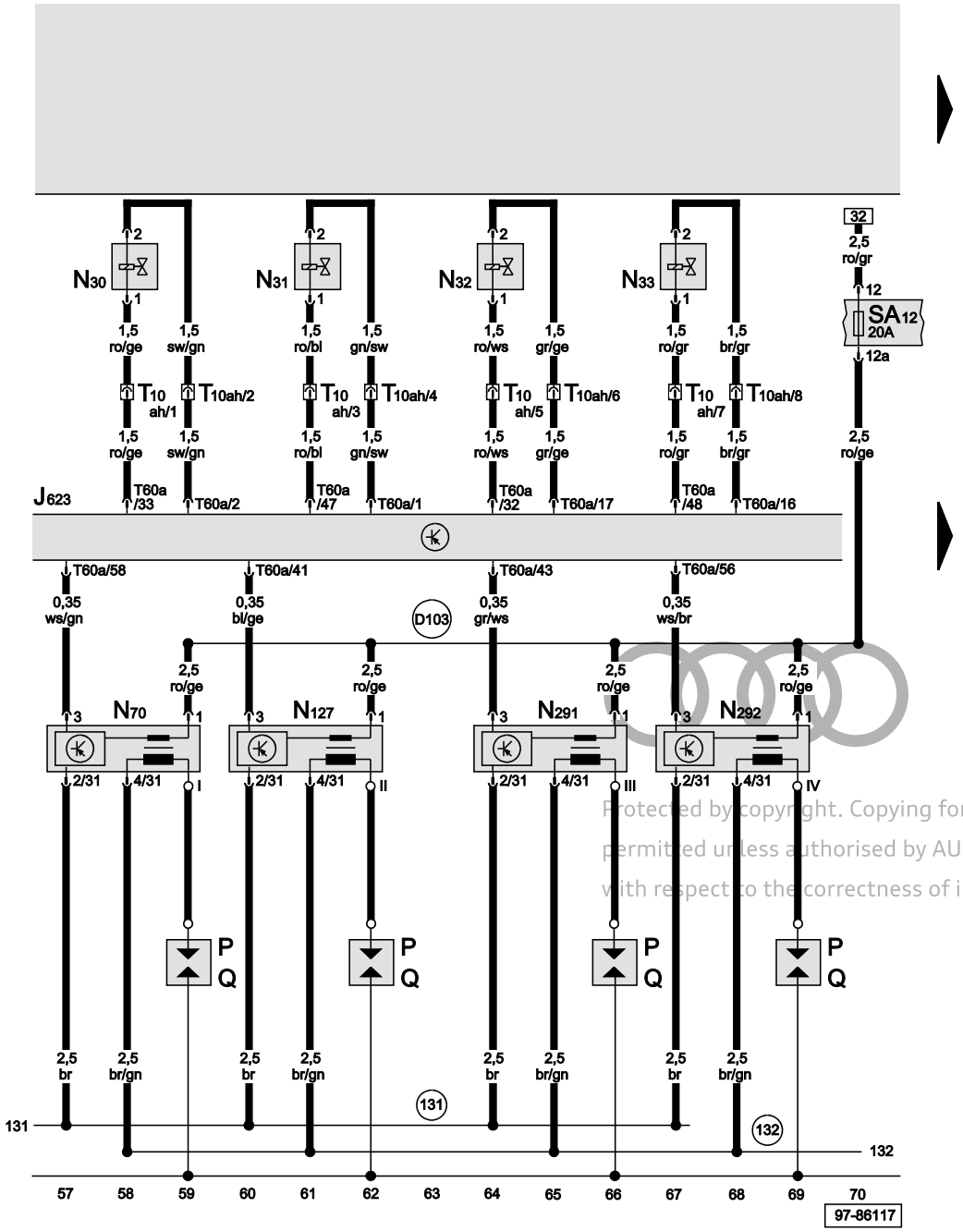
Engine control unit

E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
SA14	Fuse 4 on fuse holder engine compartment
T10ah	10-pin connector, black, in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN separating connector left
T94a	94-pin connector, black, connector B, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
645	Earth point 1, on bulkhead
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)
*	models with cruise control system

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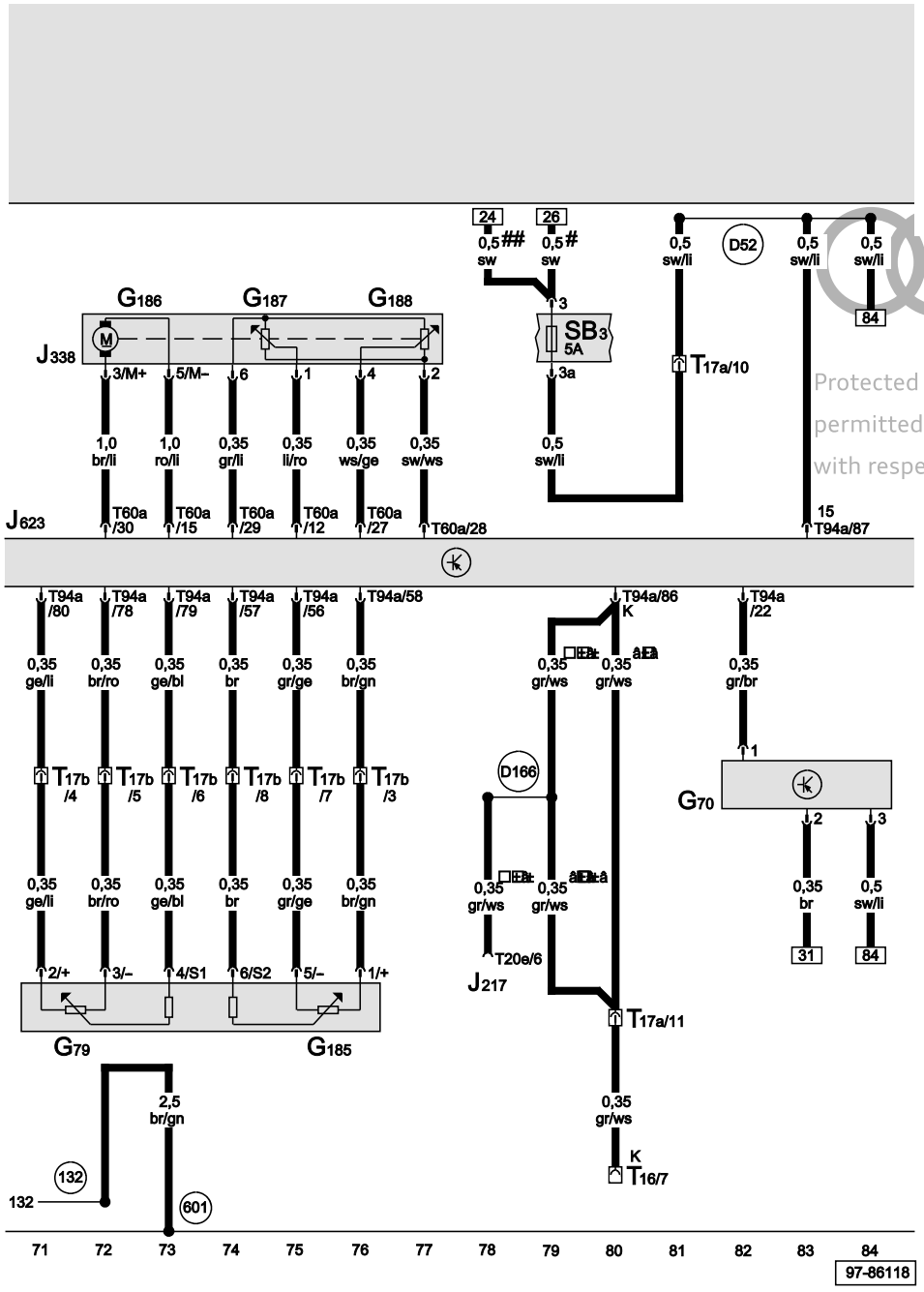
Engine control unit, injector, cylinder 1 - 4, ignition coil 1 - 4 with output stage



J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA12	Fuse 2 on fuse holder engine compartment
T10ah	10-pin connector, black, in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness

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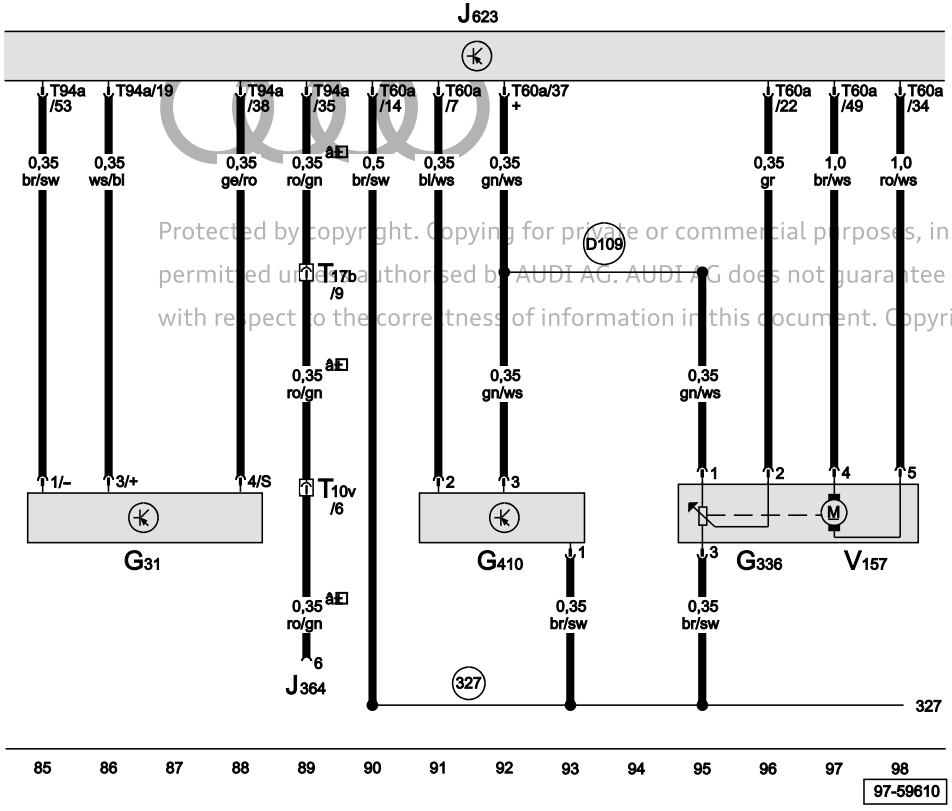
Engine control unit, accelerator position sender, air mass meter, throttle valve module

G70	Air mass meter
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J217	Automatic gearbox control unit
J338	Throttle valve module
J623	Engine control unit
SB3	Fuse 3 on fuse holder
T16	16-pin connector, diagnostic connector
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left of cylinder head
D52	Positive connection (15a), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J
#	up to October 2005
##	from November 2005

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Engine control unit, charge air pressure sender, fuel pressure sender for low pressure, intake manifold flap potentiometer, intake manifold flap motor

G31	Charge air pressure sender
G336	Intake manifold flap potentiometer
G410	Fuel pressure sender for low pressure
J364	Auxiliary heater control unit
J623	Engine control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V157	Intake manifold flap motor
327	Earth connection (sender earth), in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness
*	models with auxiliary heater



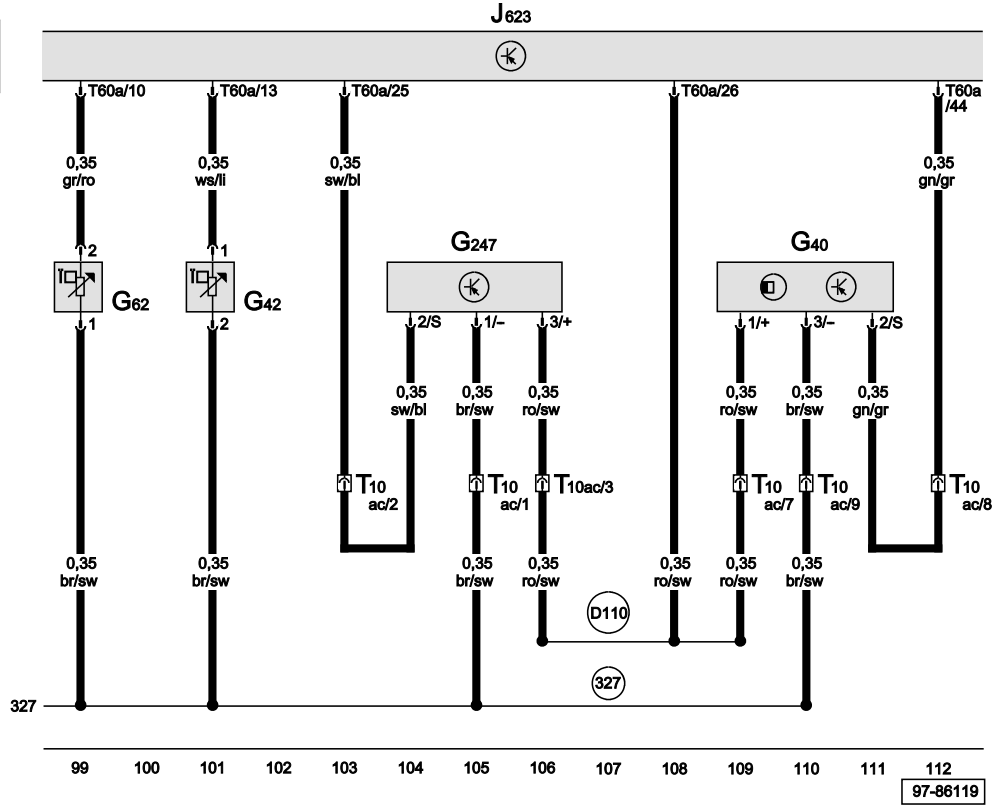
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Engine control unit, coolant temperature sender, intake air temperature sender, fuel pressure sender, Hall sender

G40	Hall sender
G42	Intake air temperature sender
G62	Coolant temperature sender
G247	Fuel pressure sender
J623	Engine control unit
T10ac	10-pin connector, black, in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D110	Connection 8, in engine compartment wiring harness

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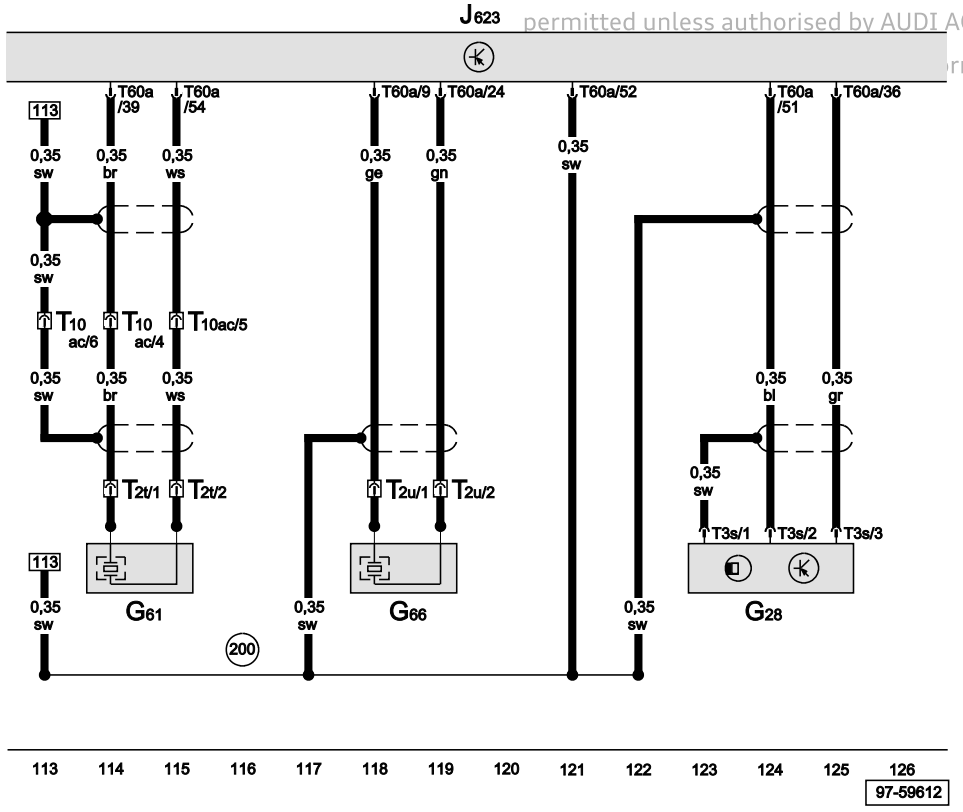


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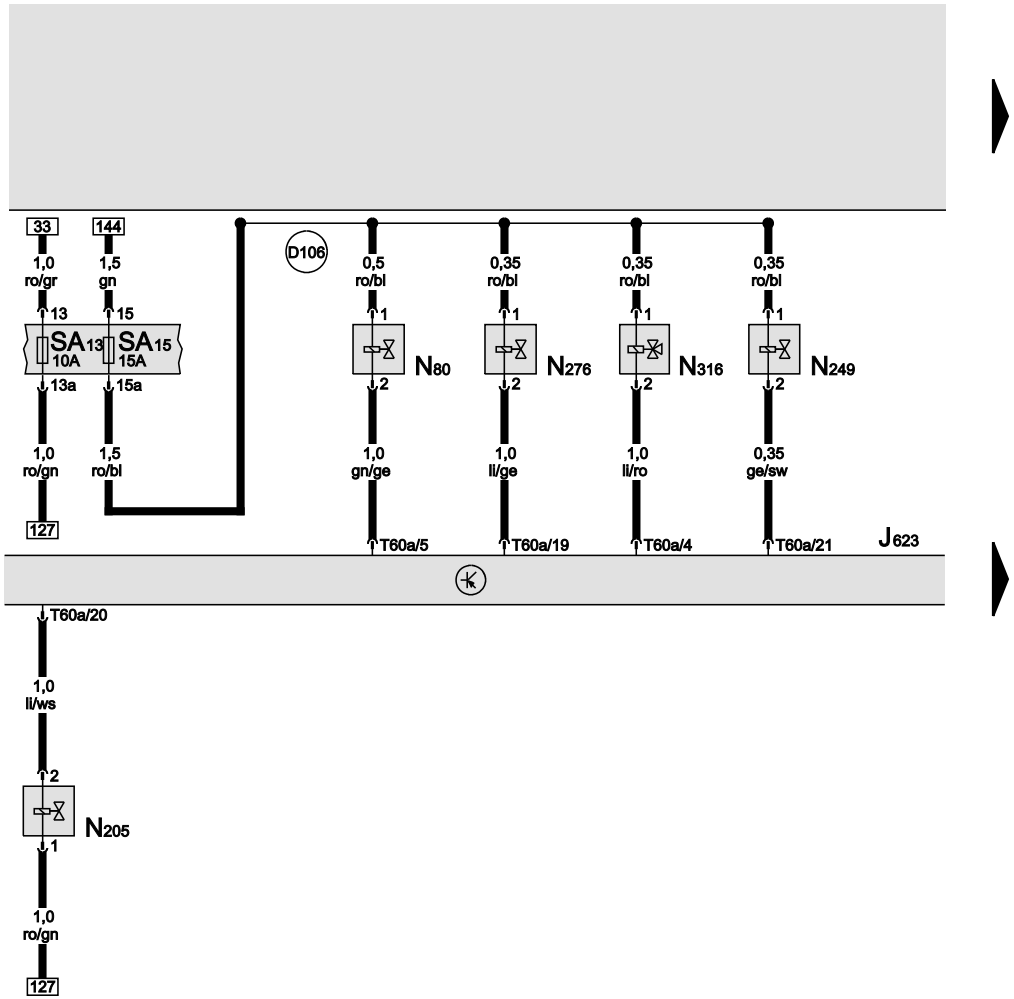
Engine control unit, Hall sender 2, knock sensors

G61	Knock sensor 1
G66	Knock sensor 2
G28	Engine speed sender
J623	Engine control unit
T2t	2-pin connector, black, on knock sensor 1
T2u	2-pin connector, black, on knock sensor 2
T3s	3-pin connector, grey, on Hall sender 2
T10ac	10-pin connector, black, in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
200	Earth connection (screening) in engine compartment wiring harness

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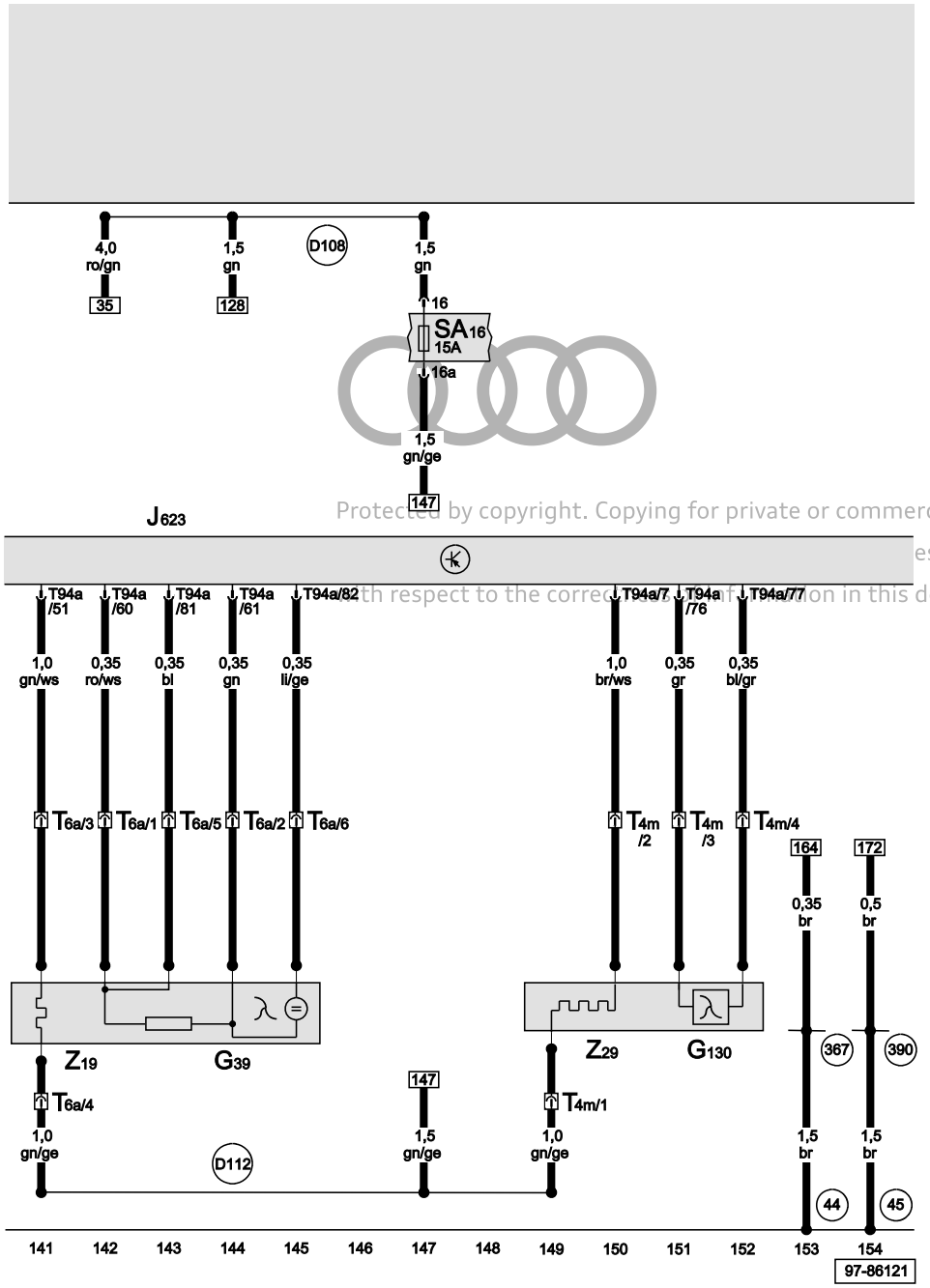


Engine control unit, active charcoal filter system solenoid valve 1, inlet camshaft control valve 1, intake manifold flap valve

J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N205	Inlet camshaft control valve 1
N249	Turbocharger air recirculation valve
N276	Fuel pressure regulating valve
N316	Intake manifold flap valve
SA13	Fuse 3 on fuse holder engine compartment
SA15	Fuse 5 on fuse holder engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
D106	Connection 4, in engine compartment wiring harness

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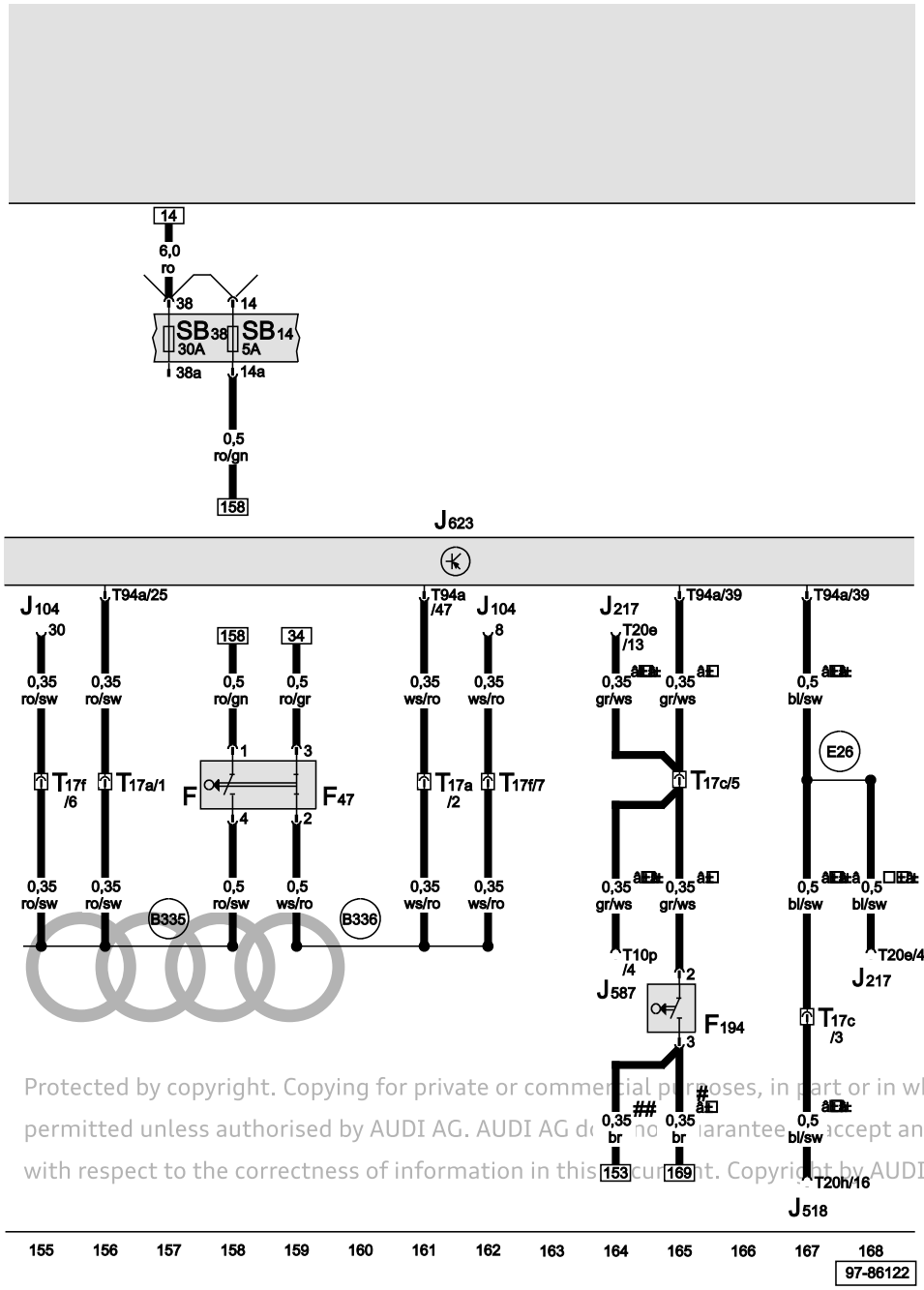
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Engine control unit, lambda probe, lambda probe after catalytic converter

G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
SA16	Fuse 6 on fuse holder engine compartment
T4m	4-pin connector, brown, for lambda probe after catalytic converter
T6a	6-pin connector, black, for lambda probe
T94a	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
390	Earth connection 25, in main wiring harness
D108	Connection 6, in engine compartment wiring harness
D112	Connection 10, in engine compartment wiring harness

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Engine control unit, brake light switch, brake pedal switch, clutch pedal switch for engine start

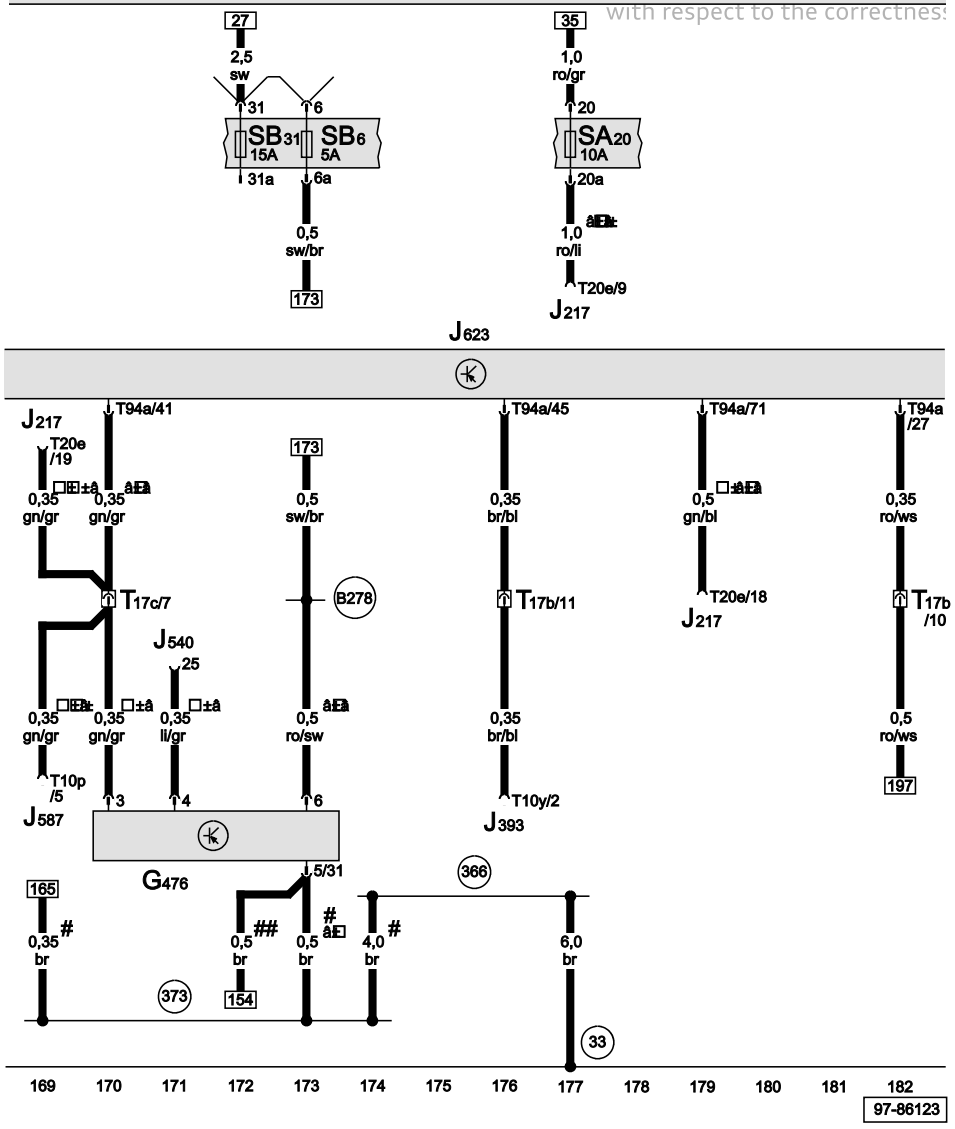


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F	Brake light switch
F47	Brake pedal switch
F194	Clutch pedal switch for engine start
J104	ABS control unit
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder
SB38	Fuse 38 on fuse holder
T10p	10-pin connector, black, on selector lever sensors control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
E26	Connection (selector position P/N), in Motronic wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J
#	up to October 2005
##	from November 2005

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
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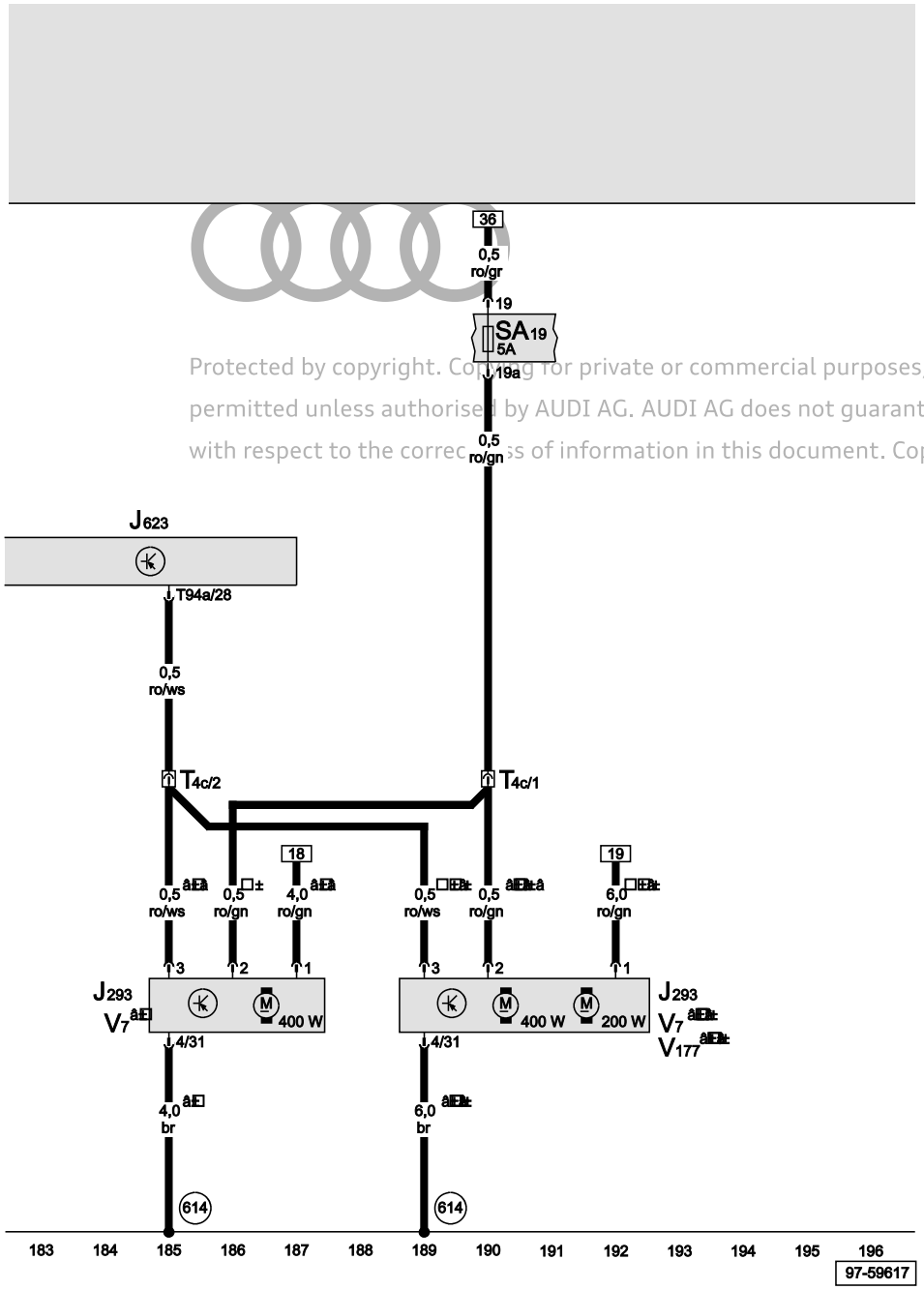
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Engine control unit, clutch position sender

G476	Clutch position sender
J217	Automatic gearbox control unit
J393	Convenience system central control unit
J540	Electric park and handbrake control unit
J587	Selector lever sensors control unit
J623	Engine control unit
SA20	Fuse 10 on fuse holder engine compartment
SB6	Fuse 6 on fuse holder
SB31	Fuse 31 on fuse holder
T10p	10-pin connector, black, on selector lever sensors control unit
T10y	10-pin connector, black, connector C, on convenience system control unit
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94a	94-pin connector, black, connector B, on engine control unit
33	Earth point, on right behind dash panel
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J
#	up to October 2005
##	from November 2005

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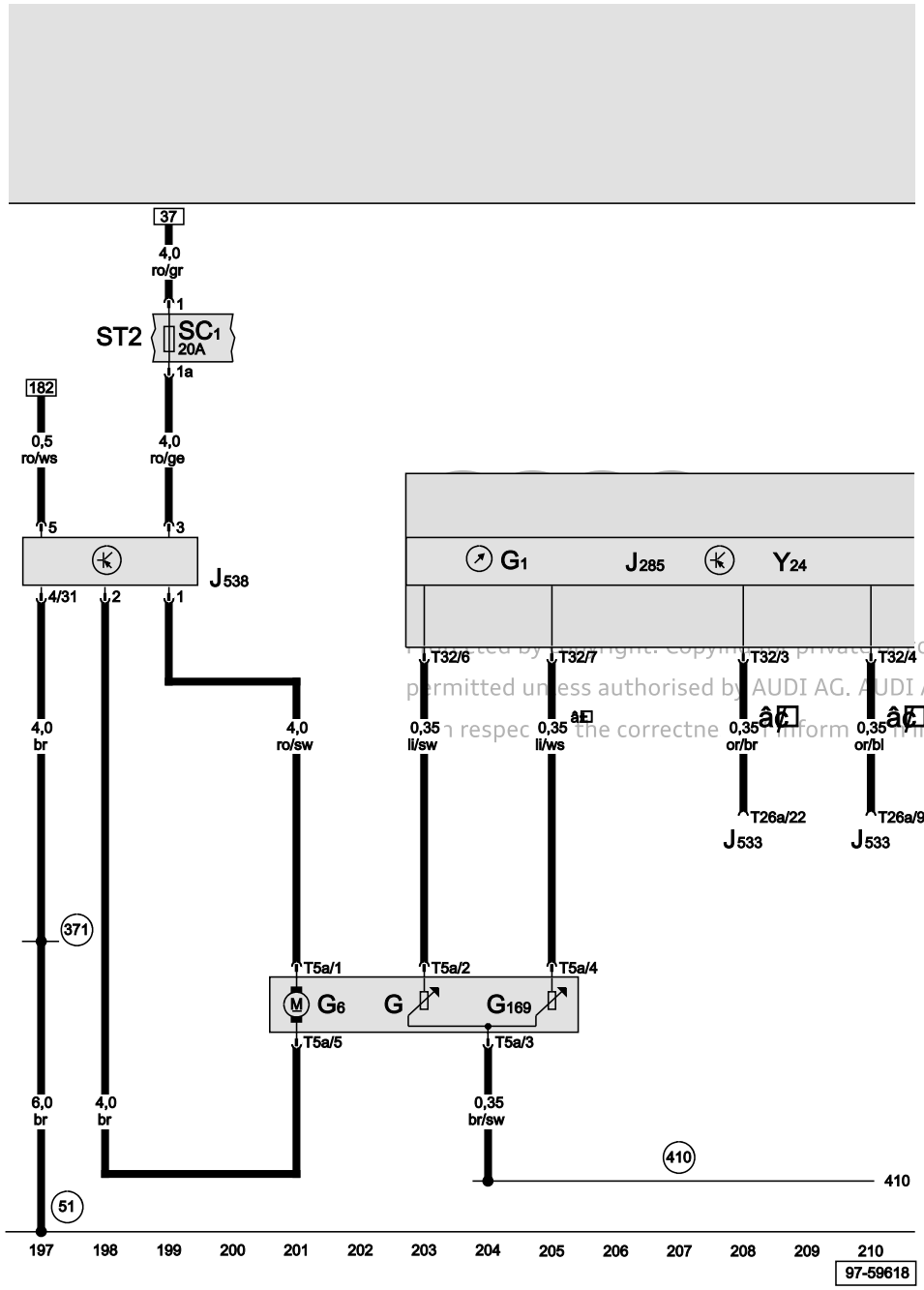


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Engine control unit, radiator fan

J293	Radiator fan control unit
J623	Engine control unit
SA19	Fuse 9 on fuse holder engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
*	standard cooling
**	heavy-duty cooling

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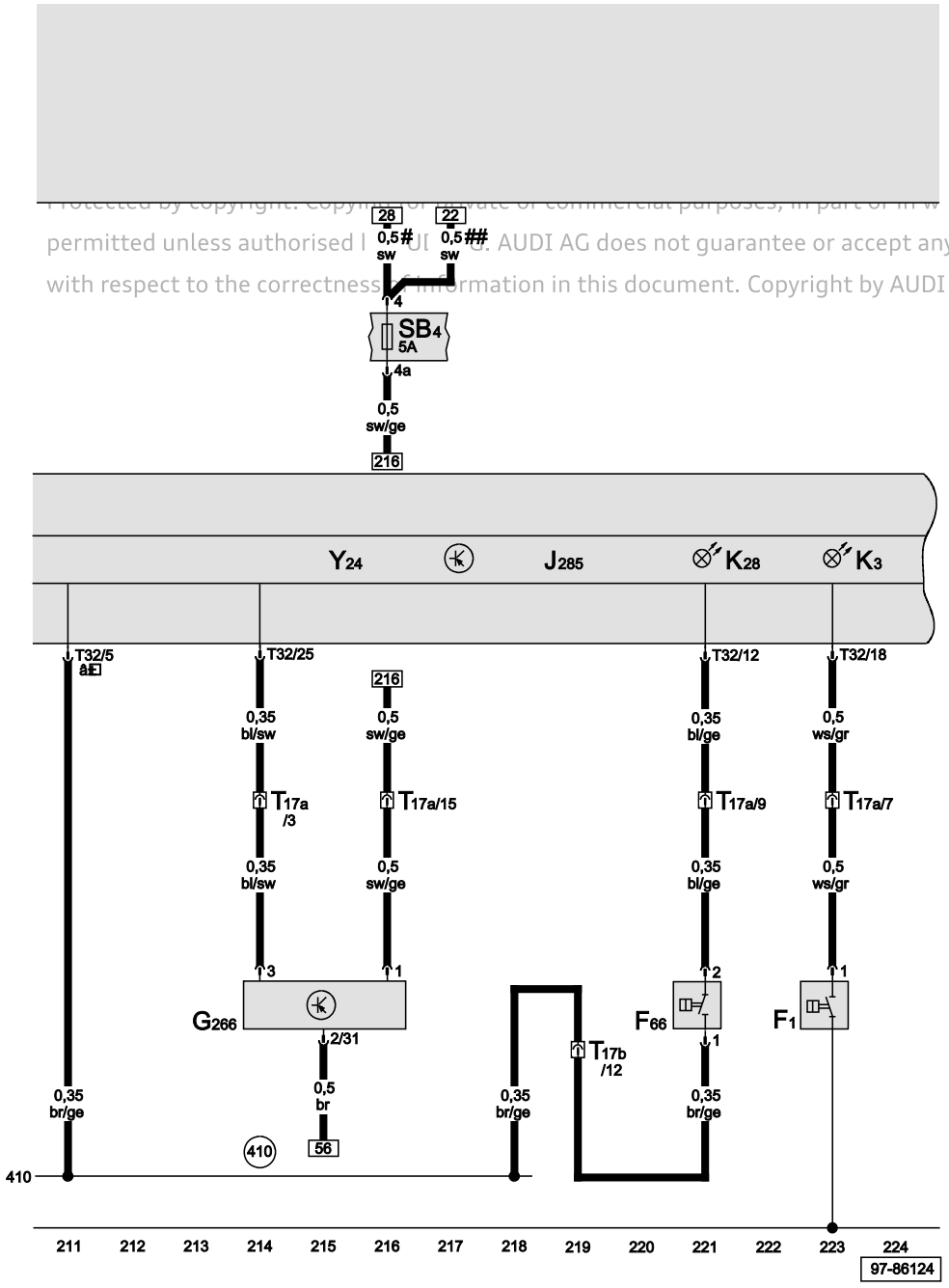
Control unit in dash panel insert, fuel gauge sender 2, fuel pump control unit, fuel gauge sender, fuel gauge, fuel system pressurisation pump

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J538	Fuel pump control unit
SC1	Fuse 1 on fuse holder
T5a	5-pin connector, black, on fuel tank
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive

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Control unit in dash panel insert, oil pressure switch, coolant shortage indicator switch, oil level and oil temperature sender

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth
#	up to October 2005
##	from November 2005

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Special vehicle

from model year 2006

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

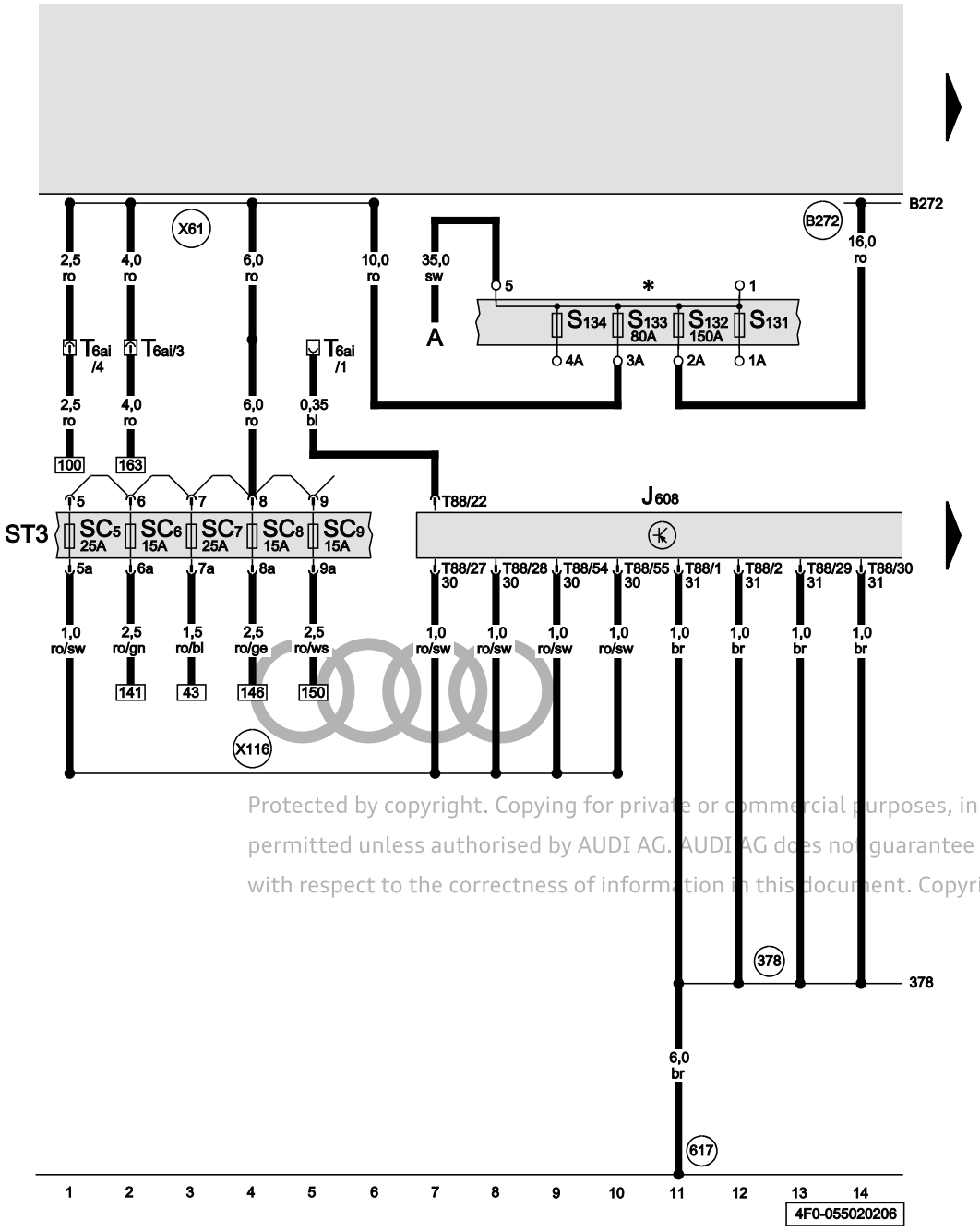
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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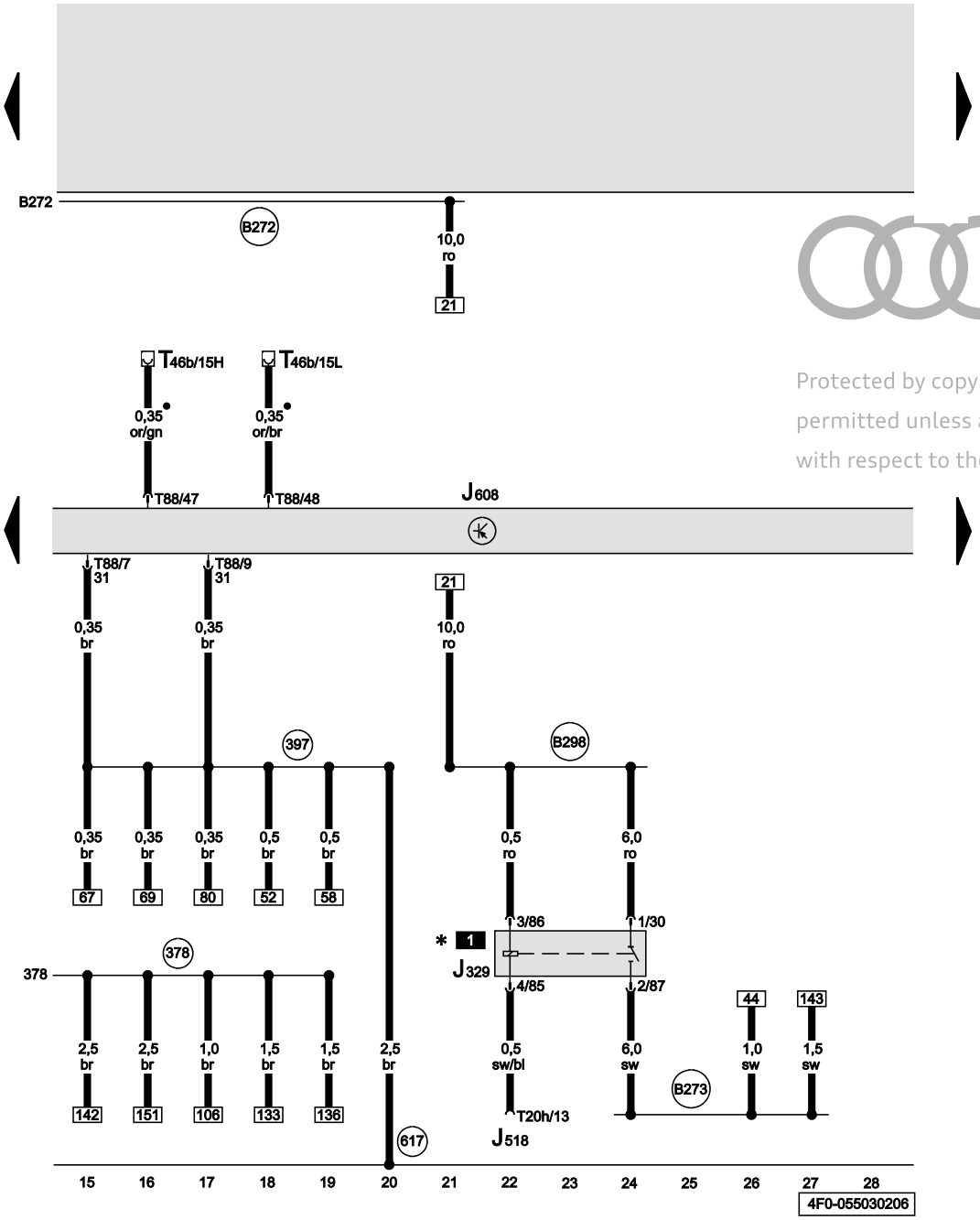


Special vehicle control unit, fuses

A	Battery
J608	Special vehicle control unit
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SC5	Fuse 5 on fuse holder
SC6	Fuse 6 on fuse holder
SC7	Fuse 7 on fuse holder
SC8	Fuse 8 on fuse holder
SC9	Fuse 9 on fuse holder
T6ai	6-pin connector, pink, on right in luggage compartment
T88	88-pin connector, black, on special vehicle control unit
378	Earth connection 13, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
B272	Positive connection (30), in main wiring harness
X61	Positive connection (30), in optional equipment wiring harness
X116	Positive connection 2 (30), in optional equipment wiring harness
*	Fuse and relay carrier right in luggage compartment

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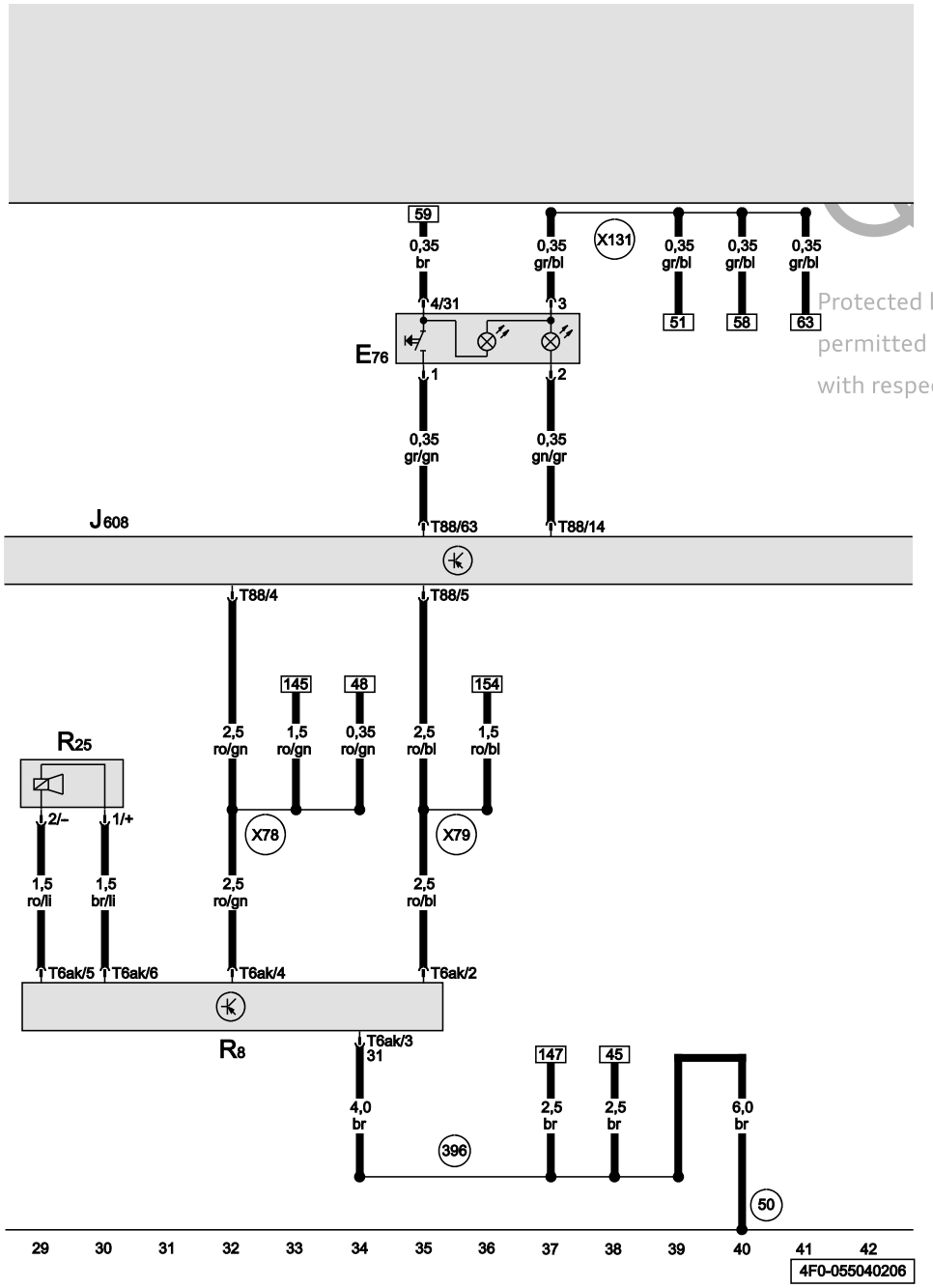


Special vehicle control unit, terminal 15 voltage supply relay

J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J608	Special vehicle control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46b	46-pin connector, CAN separating connector right
T88	88-pin connector, black, on special vehicle control unit
378	Earth connection 13, in main wiring harness
397	Earth connection 32, in main wiring harness
617	Earth point 2, on lower part of right A-pillar
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment

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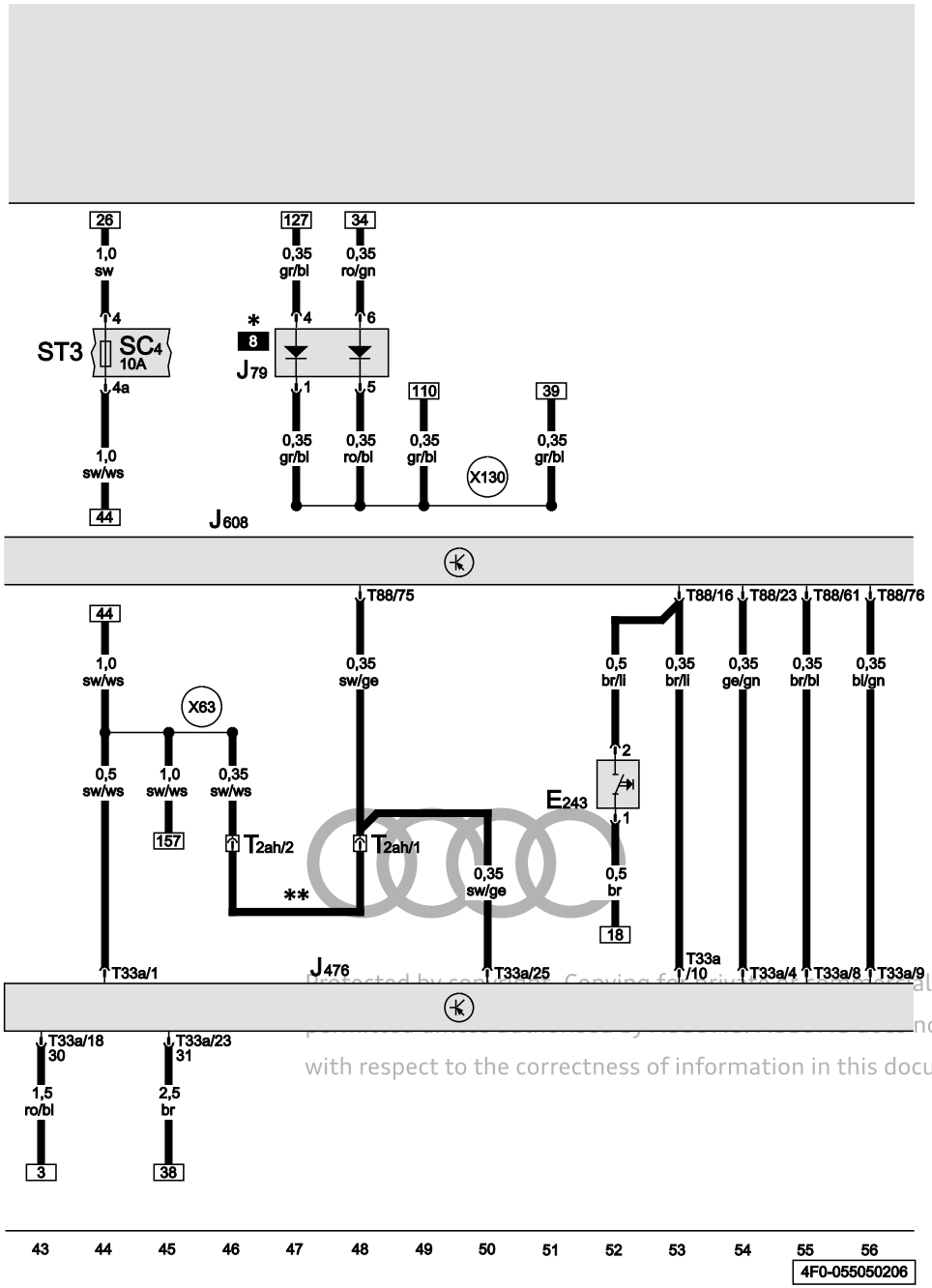


Special vehicle control unit, two-way radio button, two-way radio, two-way radio loudspeaker

E76	Two-way radio button
J608	Special vehicle control unit
R8	Two-way radio
R25	Two-way radio loudspeaker
T6ak	6-pin connector, black, on left in luggage compartment
T88	88-pin connector, black, on special vehicle control unit
50	Earth point, on left in luggage compartment
396	Earth connection 31, in main wiring harness
X78	Connection 1, in optional equipment wiring harness
X79	Connection 2, in optional equipment wiring harness
X131	Connection 4, in optional equipment wiring harness

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Special vehicle control unit, personal danger alarm control unit, personal danger alarm button 1 (on)

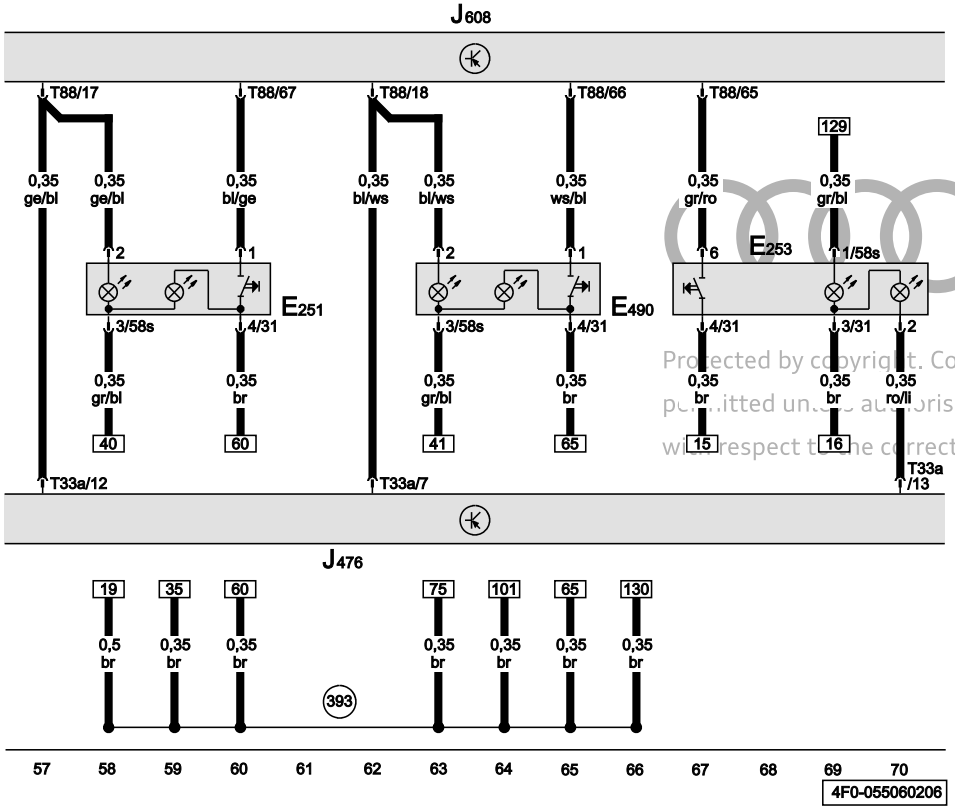
E243	Personal danger alarm button 1 (on)
J79	Diode group
J476	Personal danger alarm control unit
J608	Special vehicle control unit
SC4	Fuse 4 on fuse holder
T2ah	2-pin connector, black, on left in luggage compartment, coding siren
T33a	33-pin connector, on personal danger alarm control unit
T88	88-pin connector, black, on special vehicle control unit
X63	Positive connection 1 (15a), in optional equipment wiring harness
X130	Connection 3, in optional equipment wiring harness
*	9-point relay carrier, behind driver storage compartment
**	bridge, siren without blue flashing light

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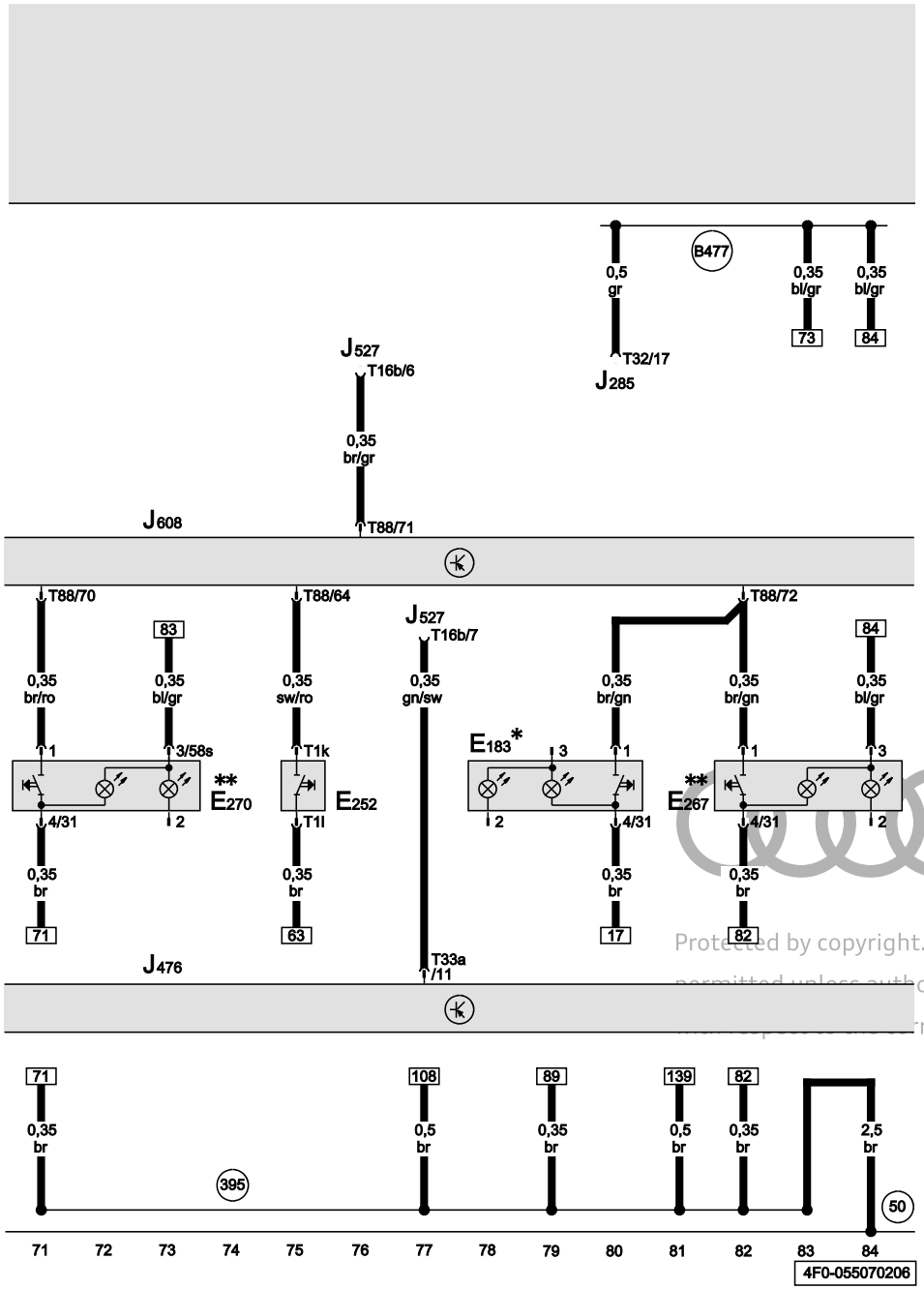
Special vehicle control unit, personal danger alarm control unit, special signals switch (variable siren), speak button for intercom system, blue emergency light button

E251	Special signals switch (variable siren)
E253	Speak button for intercom system
E490	Blue emergency light button
J476	Personal danger alarm control unit
J608	Special vehicle control unit
T33a	33-pin connector, on personal danger alarm control unit
T88	88-pin connector, black, on special vehicle control unit
393	Earth connection 28, in main wiring harness



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Special vehicle control unit, personal danger alarm control unit, alarm trip switch in luggage compartment, interior monitoring deactivation switch, special signal system switch

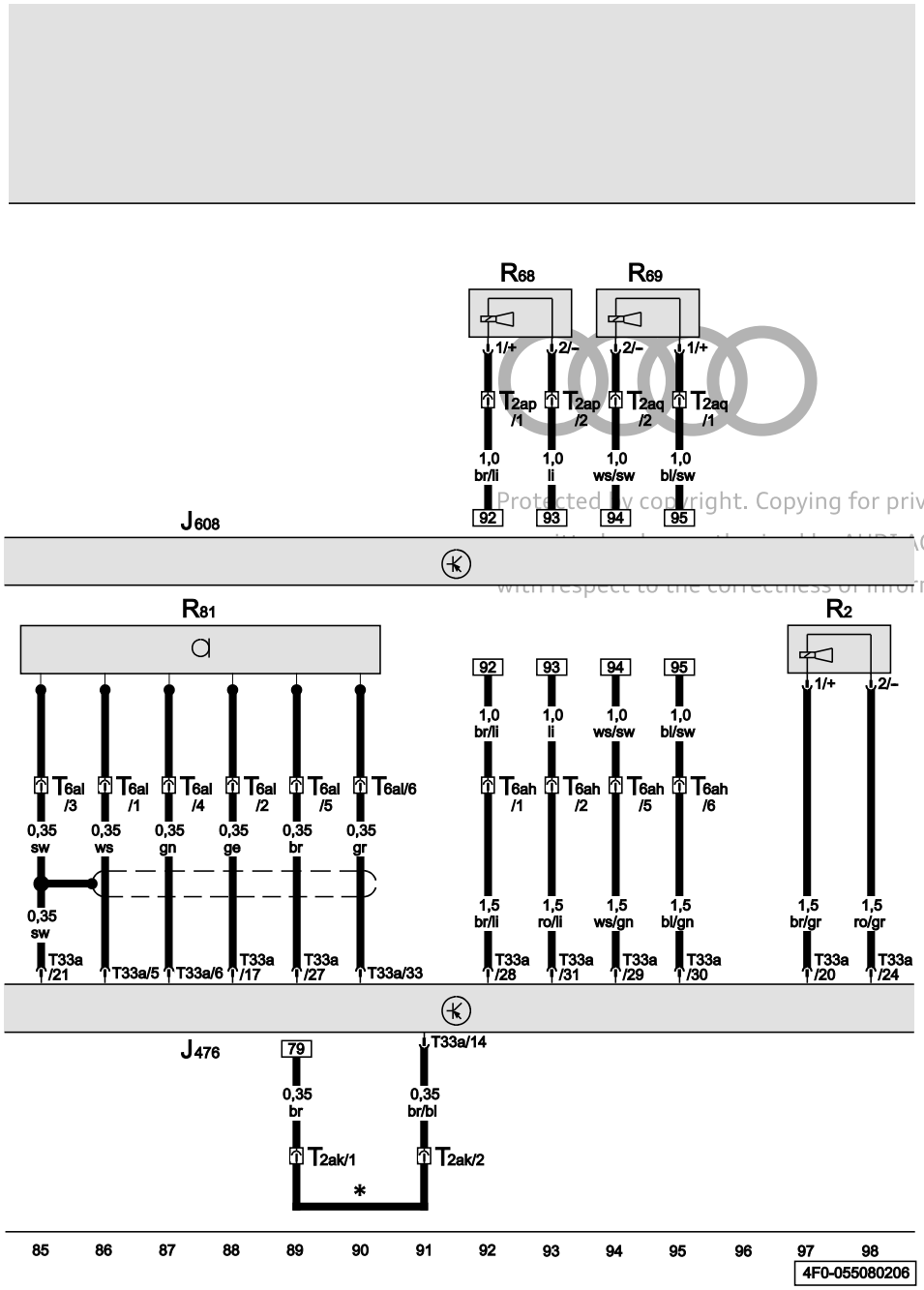
E183	Interior monitoring deactivation switch
E252	Special signal system switch
E267	Interior monitoring deactivation switch
E270	Alarm trip switch in luggage compartment
J285	Control unit in dash panel insert
J476	Personal danger alarm control unit
J527	Steering column electronics control unit
J608	Special vehicle control unit
T1k	Single connector, brown, on special signals switch
T1l	Single connector, brown, on special signals switch
T16b	16-pin connector, behind steering column switch trim
T32	32-pin connector, grey, on dash panel insert
T33a	33-pin connector, on personal danger alarm control unit
T88	88-pin connector, black, on special vehicle control unit
50	Earth point, on left in luggage compartment
395	Earth connection 30, in main wiring harness
B477	Connection 13, in main wiring harness
*	in glove box
**	in luggage compartment

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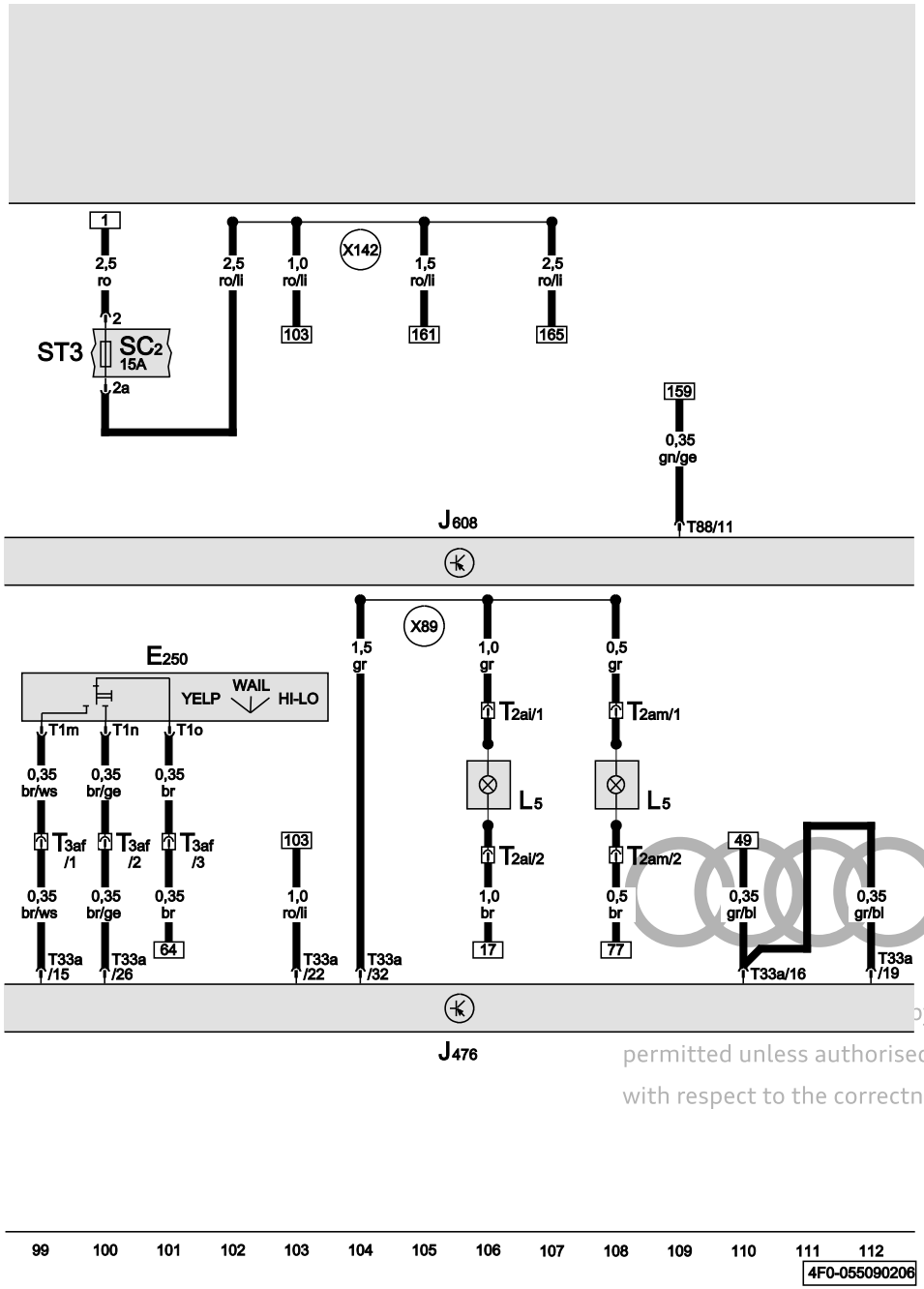
Personal danger alarm control unit, front left loudspeaker, external loudspeaker, microphone for special signals

J476	Personal danger alarm control unit
J608	Special vehicle control unit
R2	Front left loudspeaker
R68	External loudspeaker
R69	External loudspeaker 2
R81	Microphone for special signals
T2ak	2-pin connector, brown, on left in luggage compartment
T2ap	2-pin connector, black, in bumper front left, for external loudspeaker
T2aq	2-pin connector, orange, in bumper front left, for external loudspeaker 2
T6ah	6-pin connector, black, coupling station left of A-pillar
T6al	6-pin connector, black, in right dash panel
T33a	33-pin connector, on personal danger alarm control unit
*	bridge, personal danger alarm quiet



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Special vehicle control unit, personal danger alarm control unit, rotating light bulb, alternating pitch switch for personal danger alarm

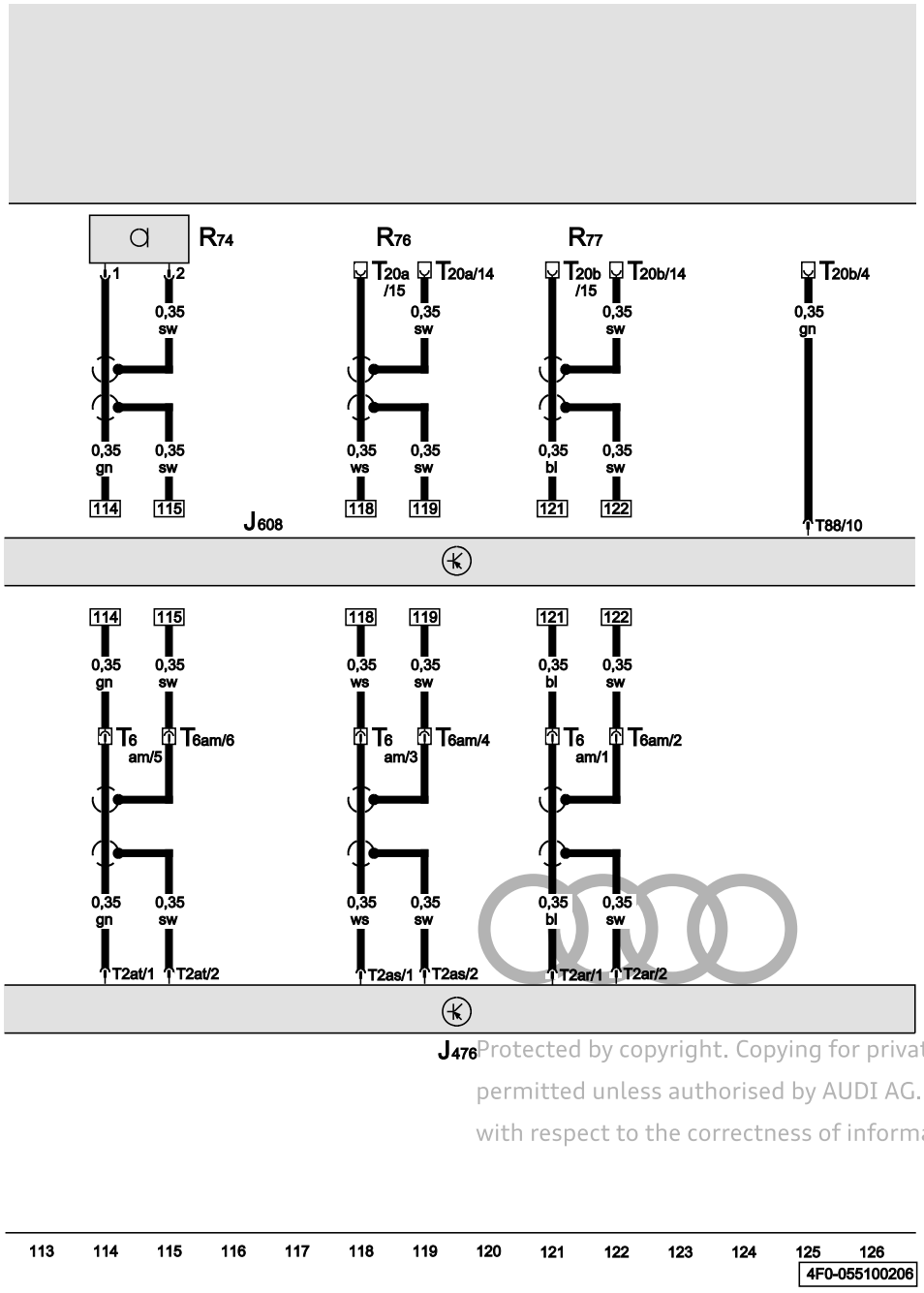
E250	Alternating pitch switch for personal danger alarm
J476	Personal danger alarm control unit
J608	Special vehicle control unit
L5	Rotating light bulb
SC2	Fuse 2 on fuse holder
T1m	Single pin connector, on alternating pitch switch for personal danger alarm
T1n	Single pin connector, on alternating pitch switch for personal danger alarm
T1o	Single pin connector, on alternating pitch switch for personal danger alarm
T2ai	2-pin connector, white, in left B-pillar
T2am	2-pin connector, black, on left in luggage compartment
T3af	3-pin connector, black, in centre console
T33a	33-pin connector, on personal danger alarm control unit
T88	88-pin connector, black, on special vehicle control unit
X89	Connection 1 (blue flashing/rotating light), in optional equipment wiring harness
X142	Positive connection 3 (30), in optional equipment wiring harness

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Personal danger alarm control unit, internal microphone, microphone in left and right exterior mirror

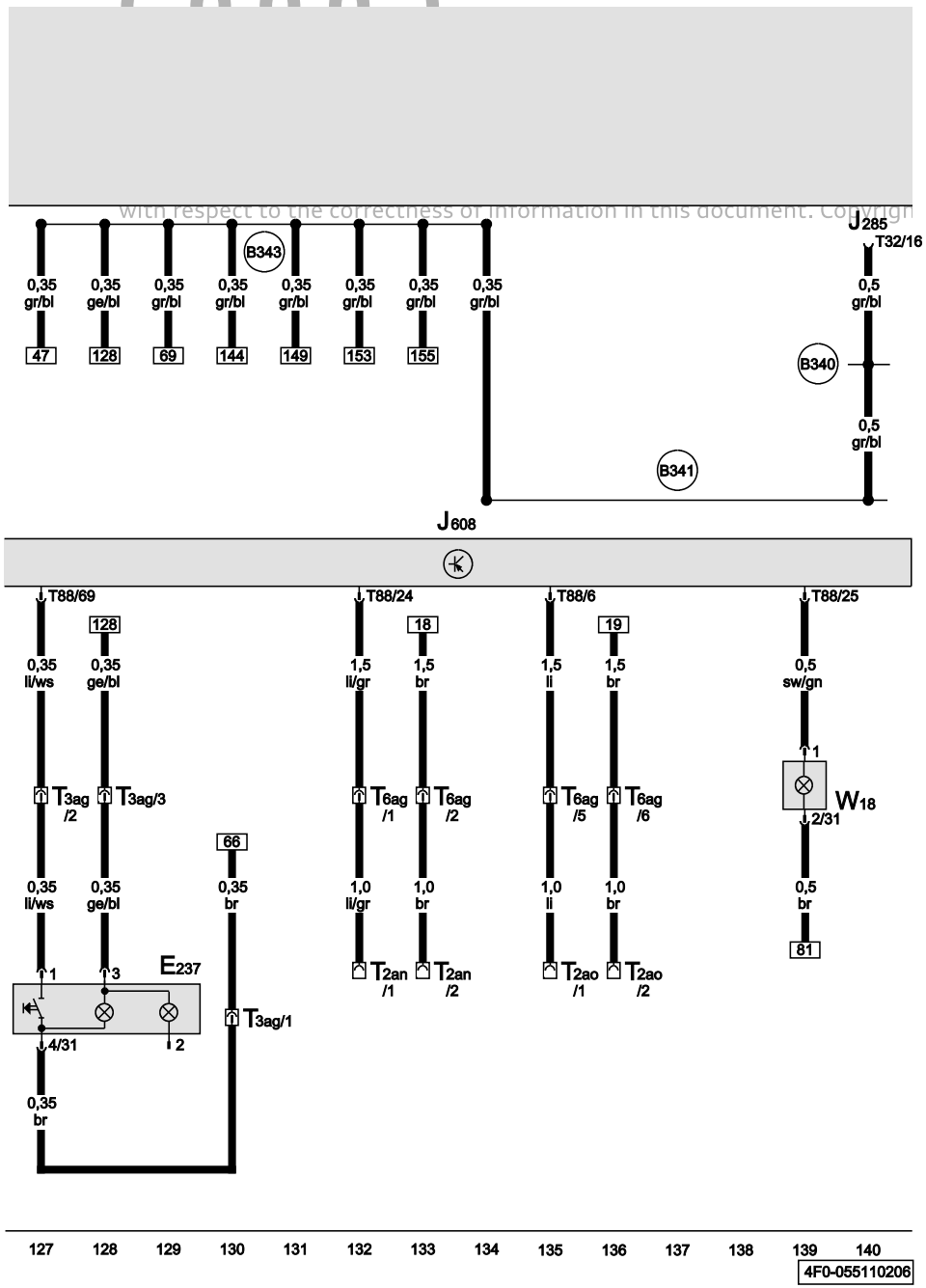
J476	Personal danger alarm control unit
J608	Special vehicle control unit
R74	Internal microphone
R76	Microphone in left exterior mirror
R77	Microphone in right exterior mirror
T2ar	2-pin connector, red, on personal danger alarm control unit
T2as	2-pin connector, yellow, on personal danger alarm control unit
T2at	2-pin connector, black, on personal danger alarm control unit
T6am	6-pin connector, blue, near personal danger alarm control unit
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
T88	88-pin connector, black, on special vehicle control unit



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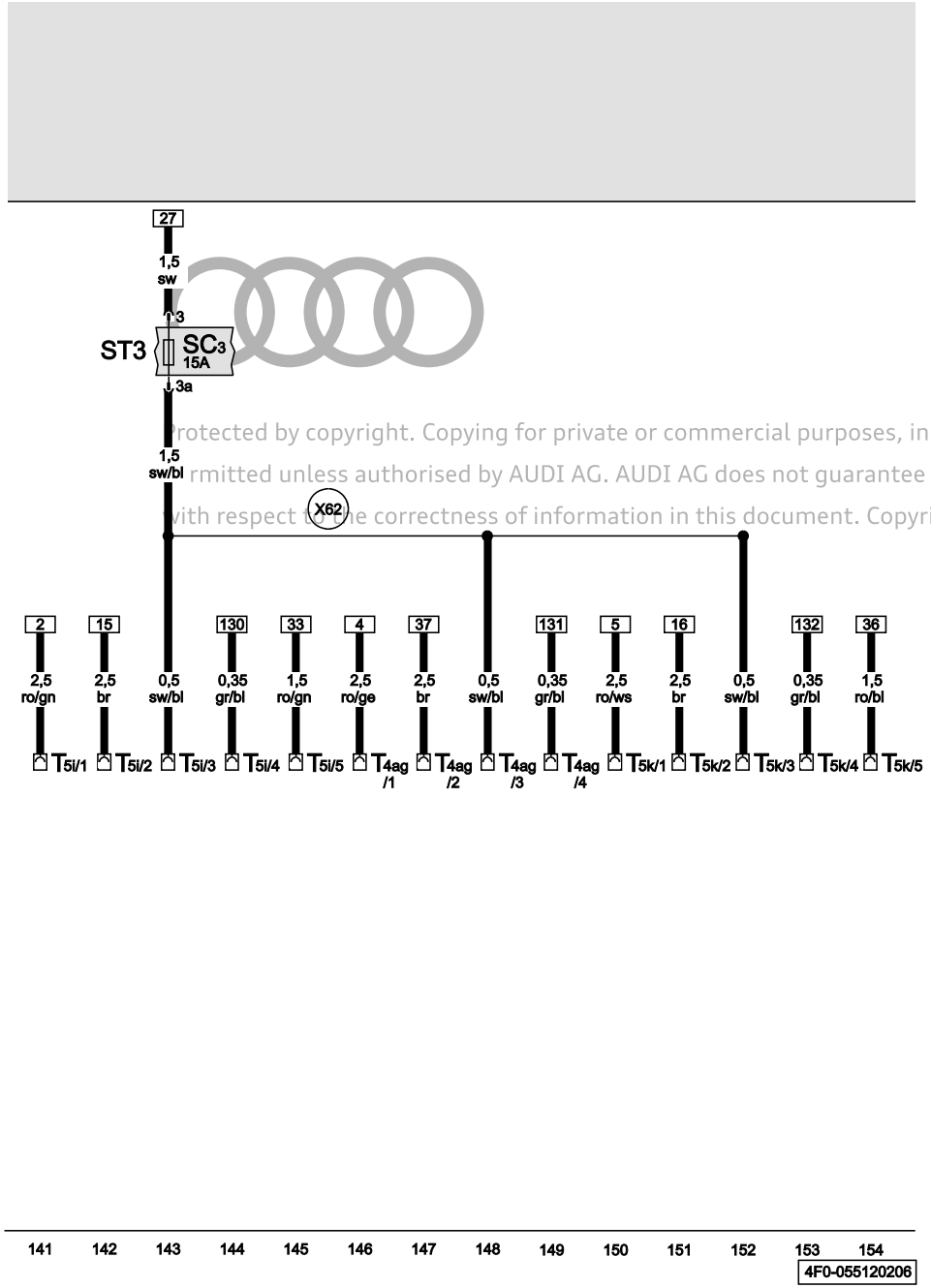
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Special vehicle control unit, smoke extractor switch, luggage compartment light on left, supply special signals and smoke extractor

E237	Smoke extractor switch
J285	Control unit in dash panel insert
J608	Special vehicle control unit
T2an	2-pin connector, black, in front left engine compartment, supply smoke extractor
T2ao	2-pin connector, brown, in front left engine compartment, supply special signals
T3ag	3-pin connector, red, in centre console
T6ag	6-pin connector, purple, coupling station on left of A-pillar
T32	32-pin connector, grey, on dash panel insert
T88	88-pin connector, black, on special vehicle control unit
W18	Luggage compartment light on left
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B343	Connection 4 (58s), in main wiring harness

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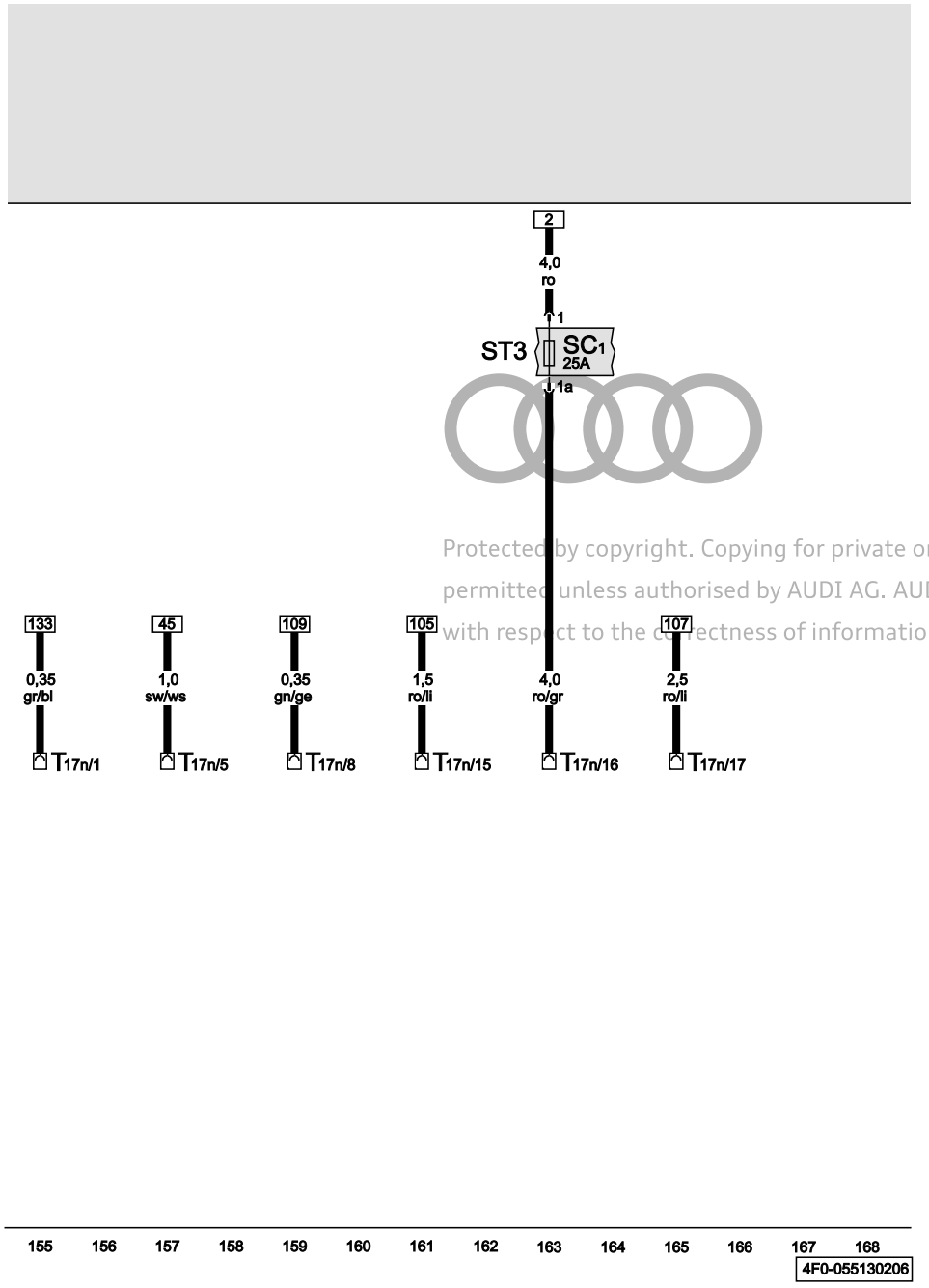


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Individualisation

SC3	Fuse 3 on fuse holder
T4ag	4-pin connector, on left in luggage compartment
T5i	5-pin connector, blue, in centre console
T5k	5-pin connector, blue, in right dash panel
X62	Positive connection 3 (15a), in optional equipment wiring harness

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Signal system

SC1 Fuse 1 on fuse holder
T17n 17-pin connector, brown, coupling station on right of A-pillar

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Audi S6 5.2 l Fuel injection engine (320 kW - 10 cylinder), engine code BGS

from model year 2006

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

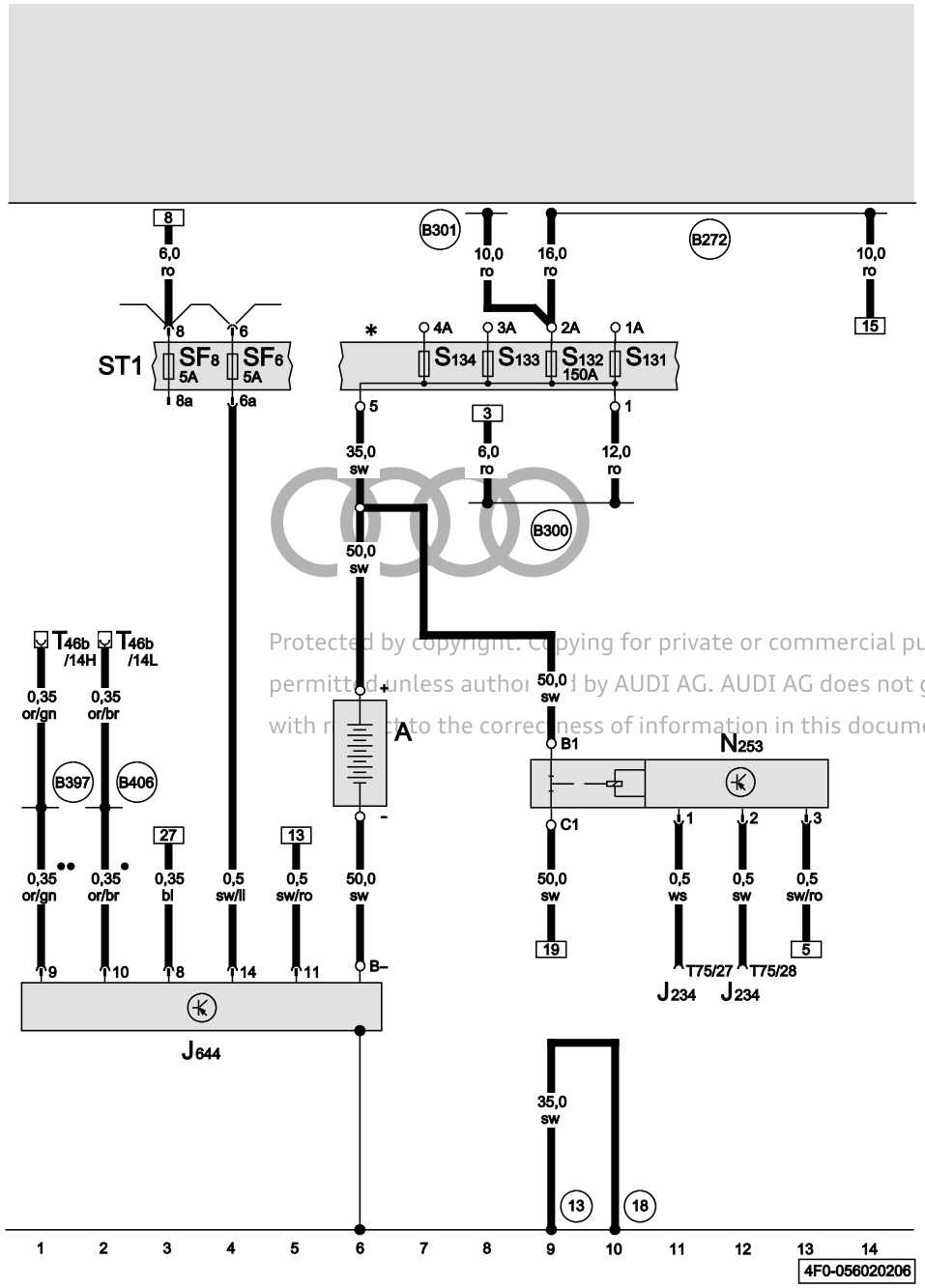
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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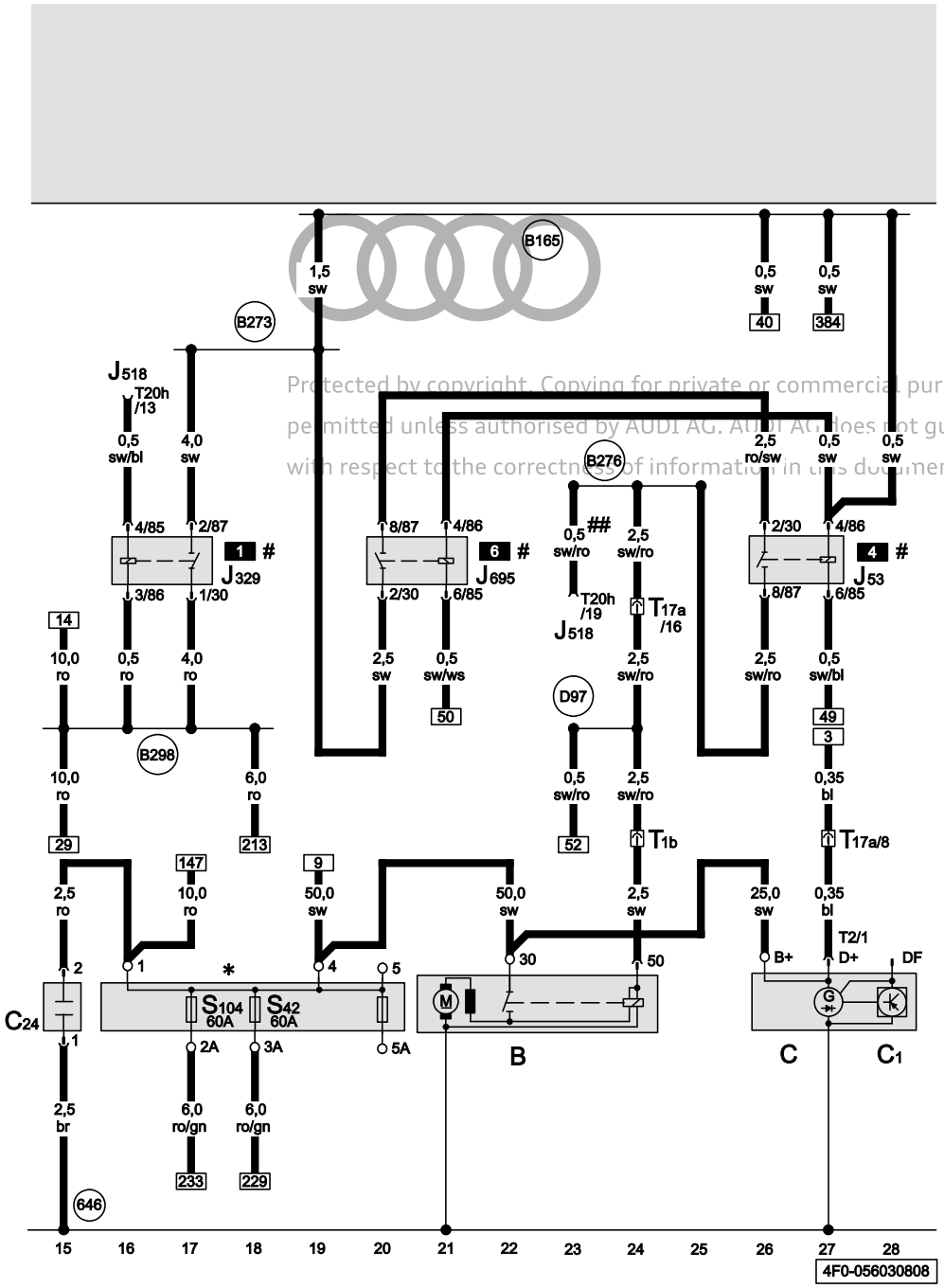


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Battery, energy management control unit, battery isolation igniter, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
SF6	Fuse 6 on fuse holder
SF8	Fuse 8 on fuse holder
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	Fuse and relay carrier right in luggage compartment

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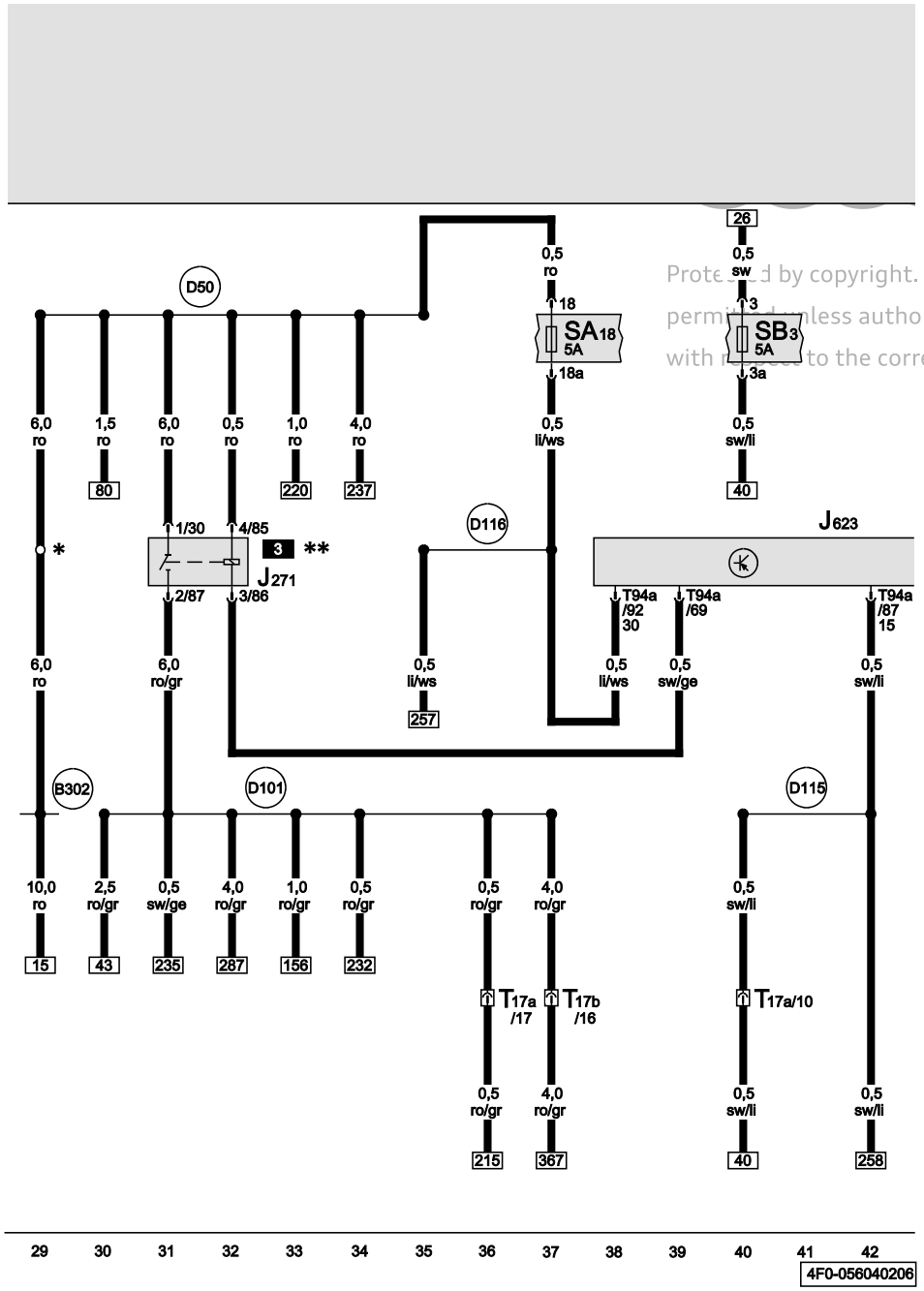


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Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B276	Positive connection (50), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment
##	no longer fitted, phased from model year 2006

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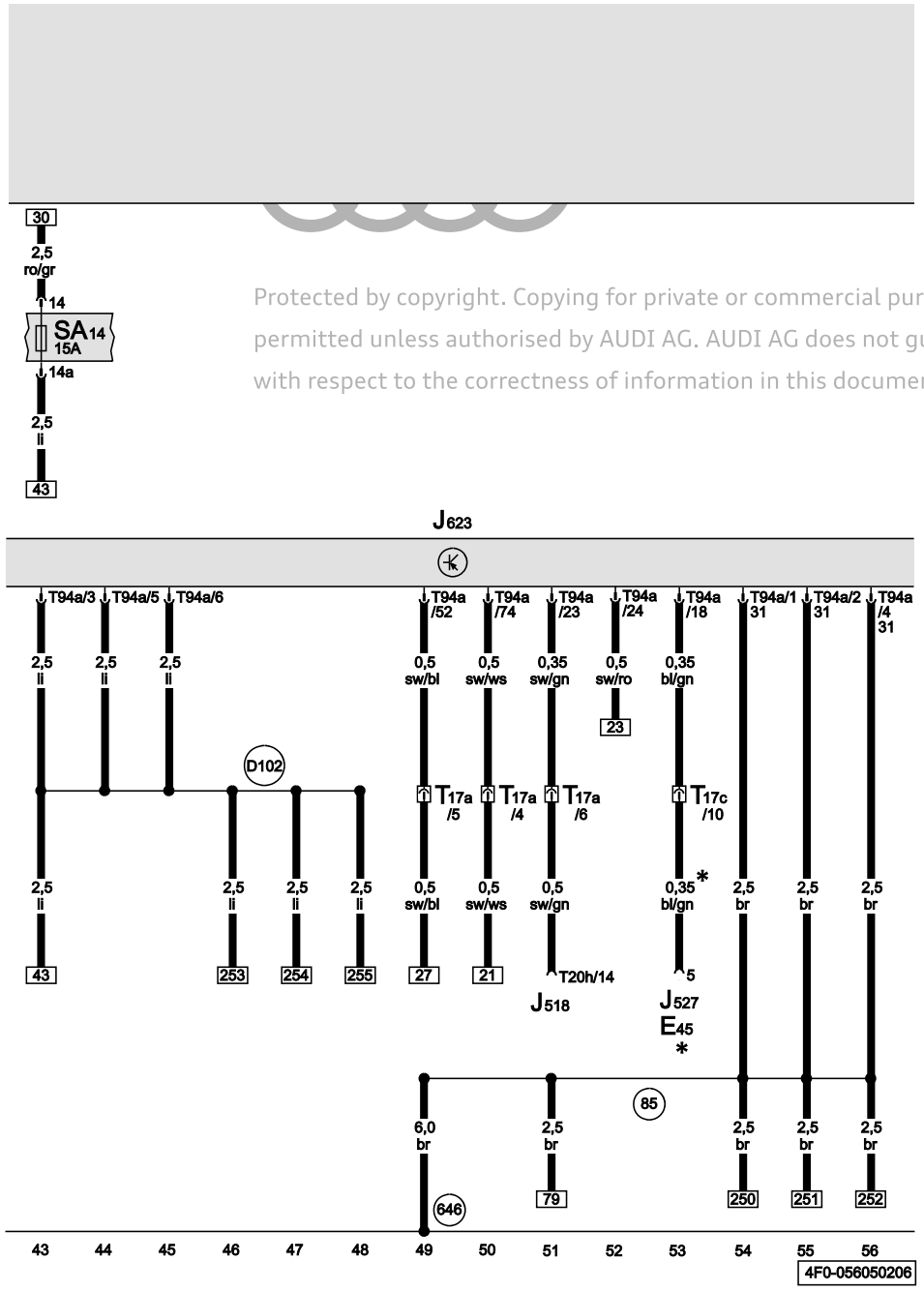


Engine control unit, Motronic current supply relay

J271	Motronic current supply relay
J623	Engine control unit
SA18	Fuse 8 on fuse holder engine compartment
SB3	Fuse 3 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
D115	Connection 13, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber

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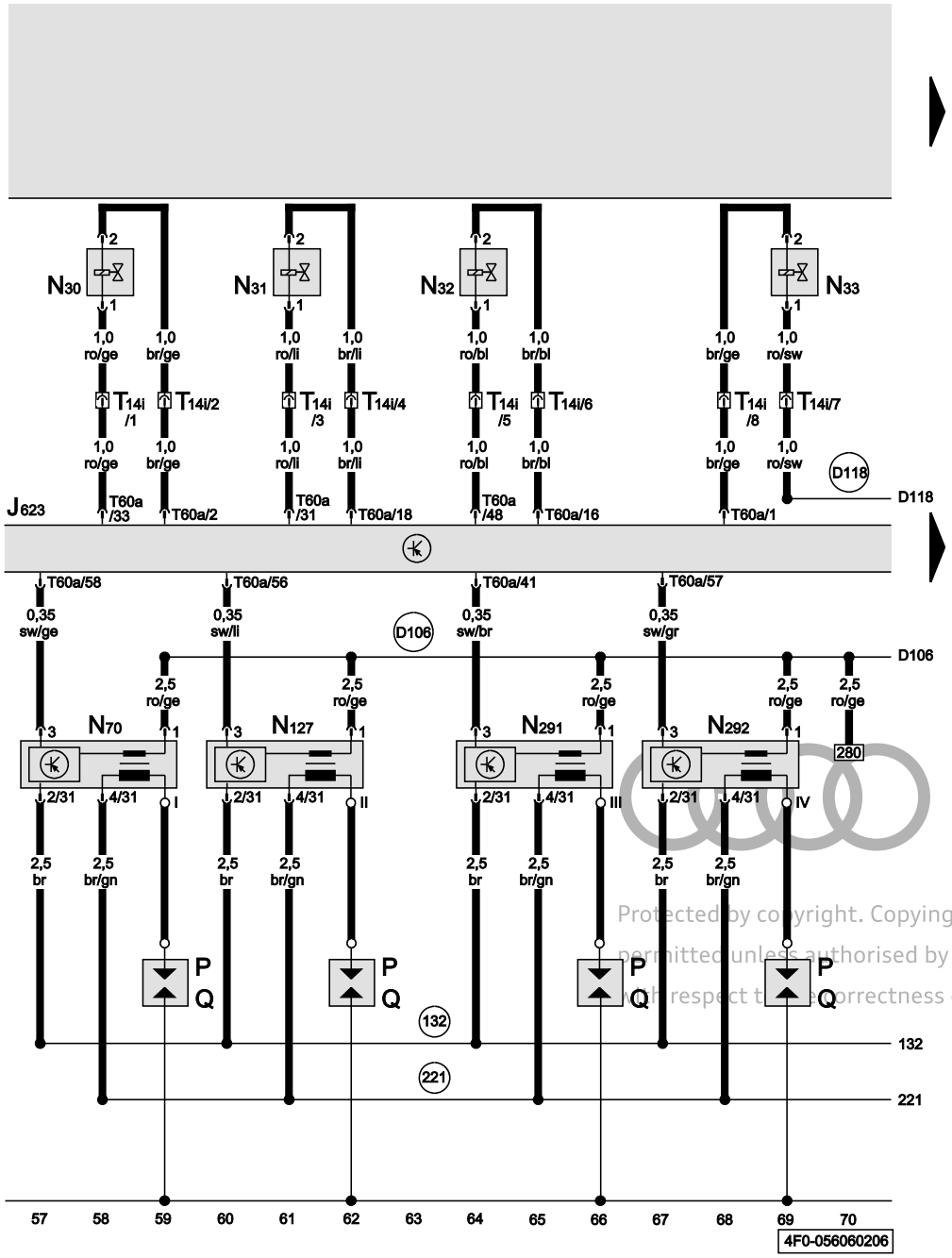
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Engine control unit

E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
SA14	Fuse 4 on fuse holder engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
D102	Connection 2, in engine compartment wiring harness
*	models with cruise control system

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Engine control unit, injectors cylinder 1 up to 4, ignition coils 1 up to 4 with output stage

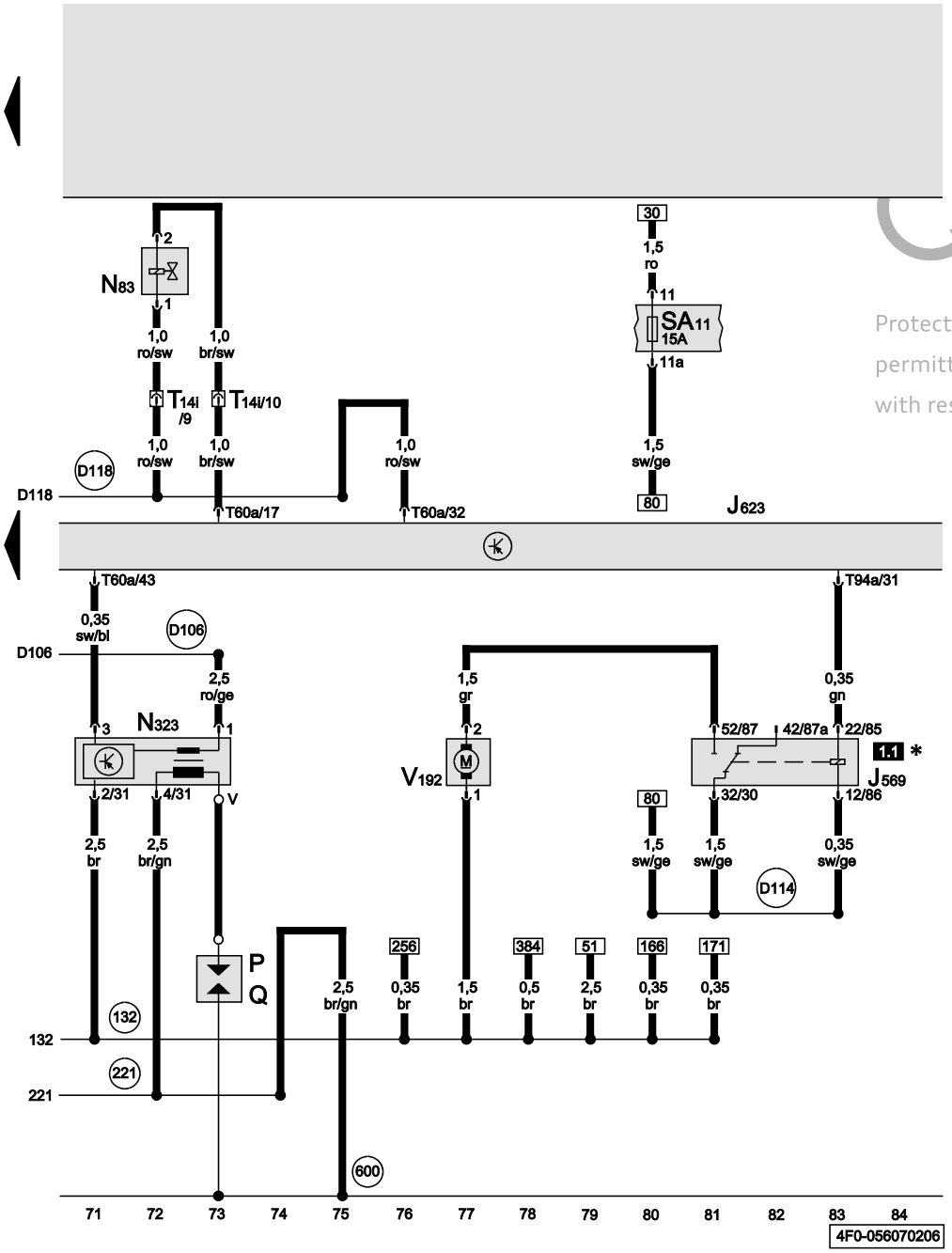


J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
P	Spark plug connector
Q	Spark plugs
T14i	14-pin connector, black, on right in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
132	Earth connection 3, in engine compartment wiring harness
221	Earth connection (engine earth), in engine wiring harness
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness

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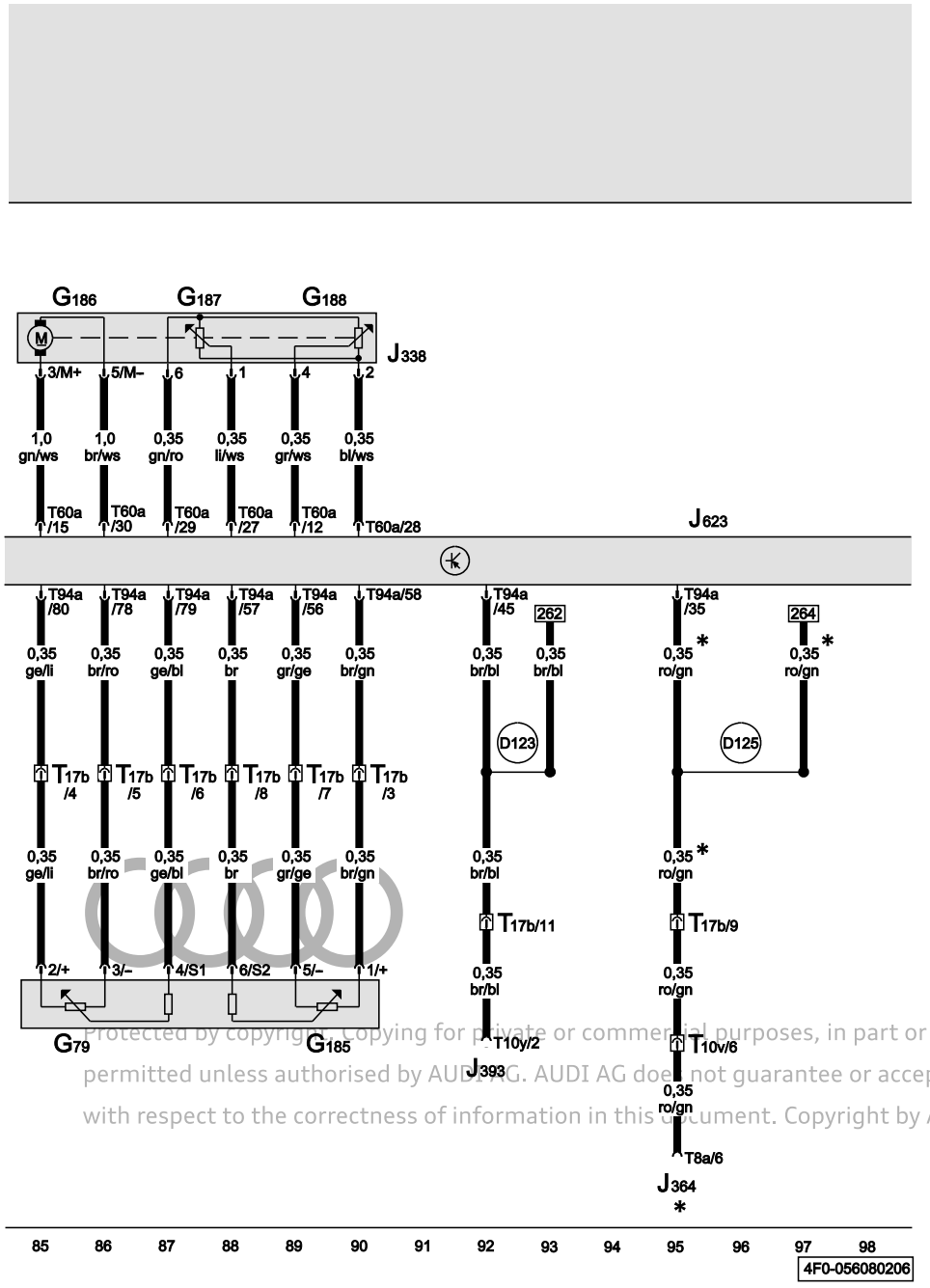
Engine control unit, injector, cylinder 5, ignition coil 5 with output stage, brake servo relay, vacuum pump for brakes



J569	Brake servo relay
J623	Engine control unit
N83	Injector, cylinder 5
N323	Ignition coil 5 with output stage
P	Spark plug connector
Q	Spark plugs
SA11	Fuse 1 on fuse holder engine compartment
T14i	14-pin connector, black, on right in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V192	Vacuum pump for brakes
132	Earth connection 3, in engine compartment wiring harness
221	Earth connection (engine earth), in engine wiring harness
600	Earth point, on right of cylinder head
D106	Connection 4, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber

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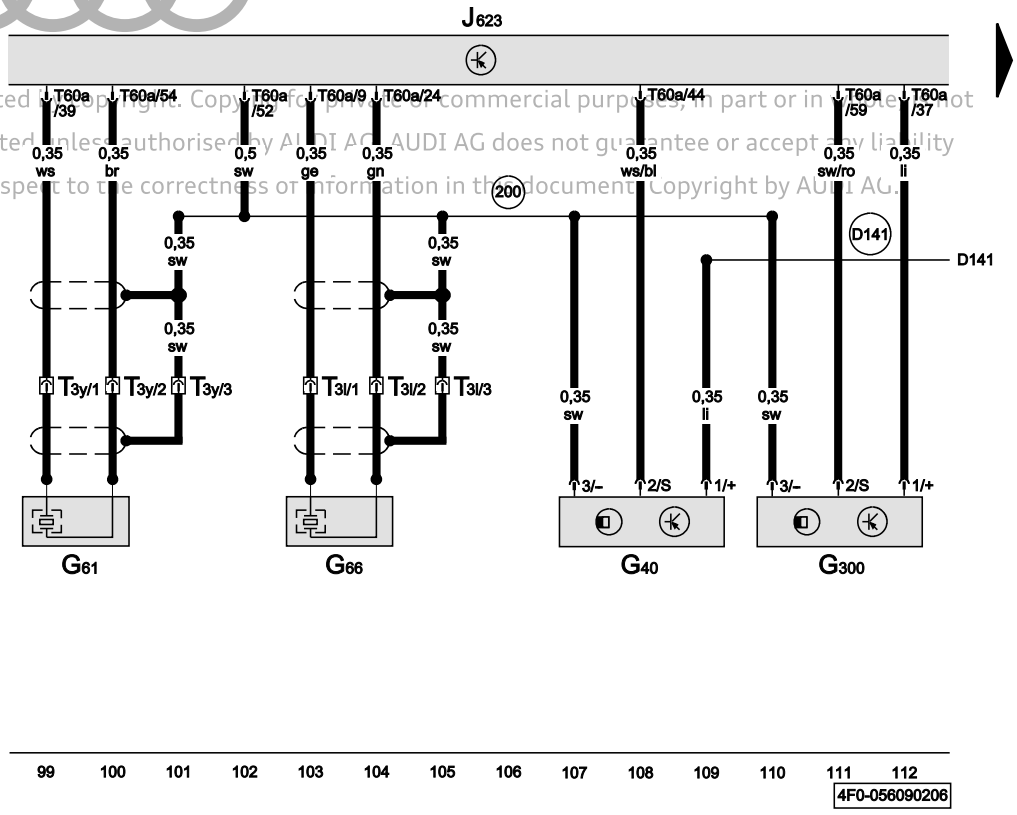
Engine control unit, throttle valve module, accelerator position sender

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J364	Auxiliary heater control unit
J393	Convenience system central control unit
J623	Engine control unit
T8a	8-pin connector, black, on auxiliary heater control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T10y	10-pin connector, black, connector C, on convenience system control unit
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
D123	Connection 21, in engine compartment wiring harness
D125	Connection 23, in engine compartment wiring harness
*	models with auxiliary heater

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Engine control unit, Hall sender, knock sensors

G40	Hall sender
G61	Knock sensor 1
G66	Knock sensor 2
G300	Hall sender 3
J623	Engine control unit
T3l	3-pin connector, grey, on knock sensor 2
T3y	1-pin connector, orange, on knock sensor 3
T60a	60-pin connector, black, connector A, on engine control unit
200	Earth connection (screening) in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness

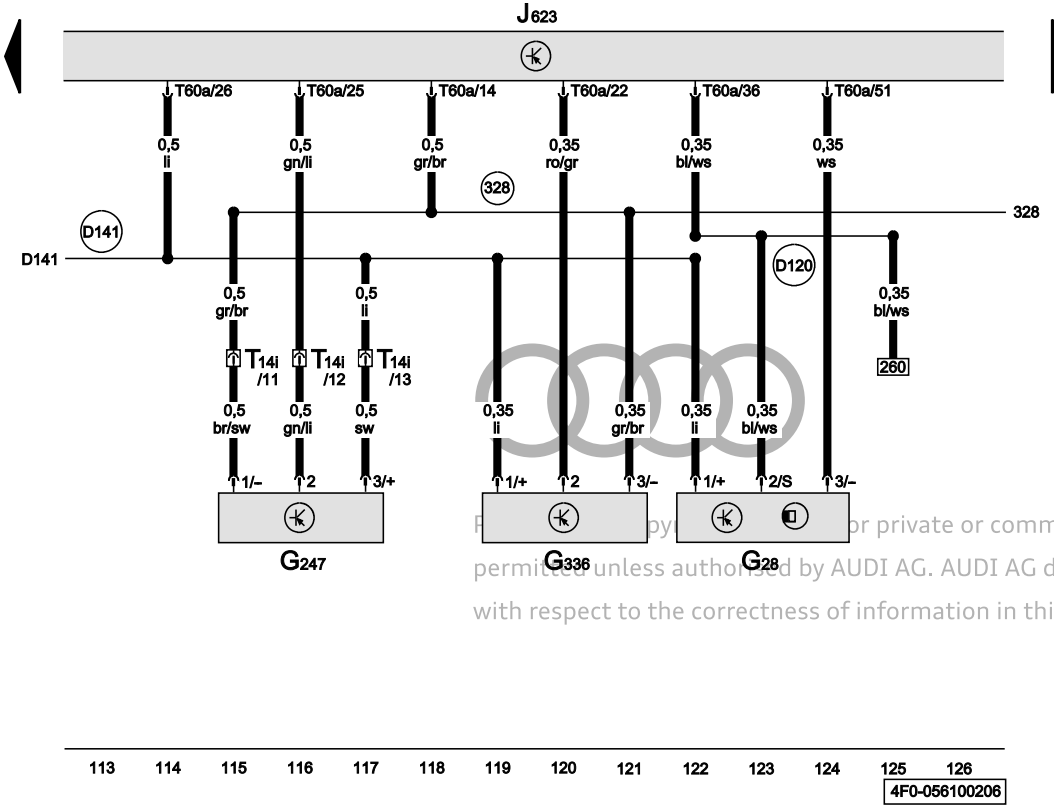


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Engine control unit, engine speed sender, fuel pressure sender, intake manifold flap potentiometer

G28	Engine speed sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
J623	Engine control unit
T14i	14-pin connector, black, on right in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness

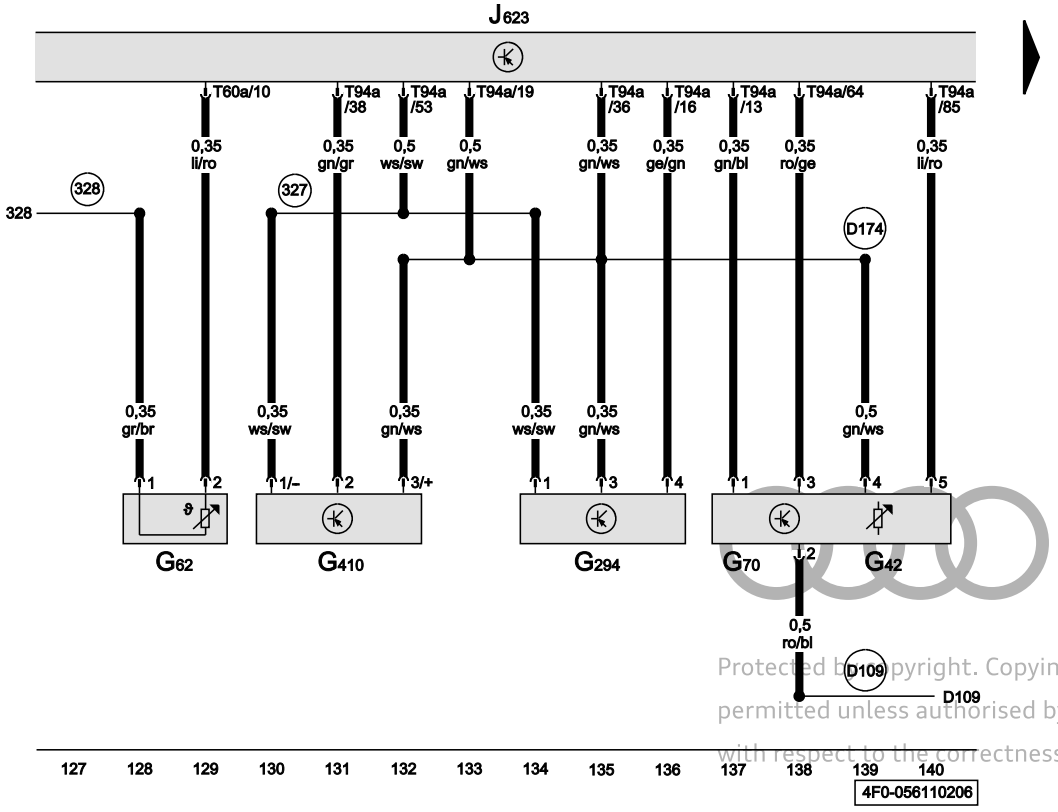


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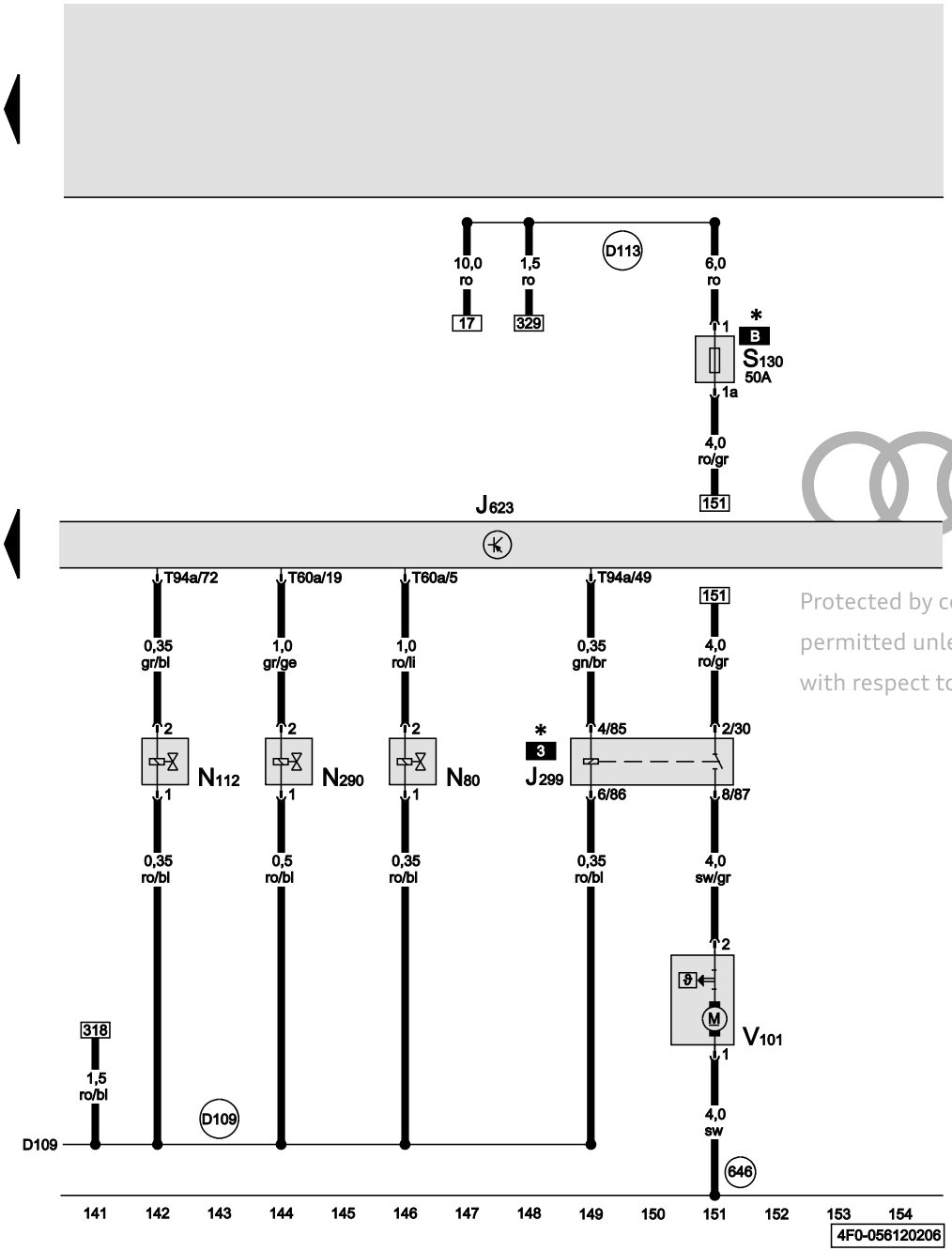
Engine control unit, coolant temperature sender, air mass meter, brake servo pressure sensor, fuel pressure sender for low pressure, intake air temperature sender

G42	Intake air temperature sender
G62	Coolant temperature sender
G70	Air mass meter
G294	Brake servo pressure sensor
G410	Fuel pressure sender for low pressure
J623	Engine control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness
D174	Connection 2 (5V), in engine wiring harness



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Engine control unit, active charcoal filter system solenoid valve 1, secondary air inlet valve, fuel metering valve, secondary air pump relay, secondary air pump motor

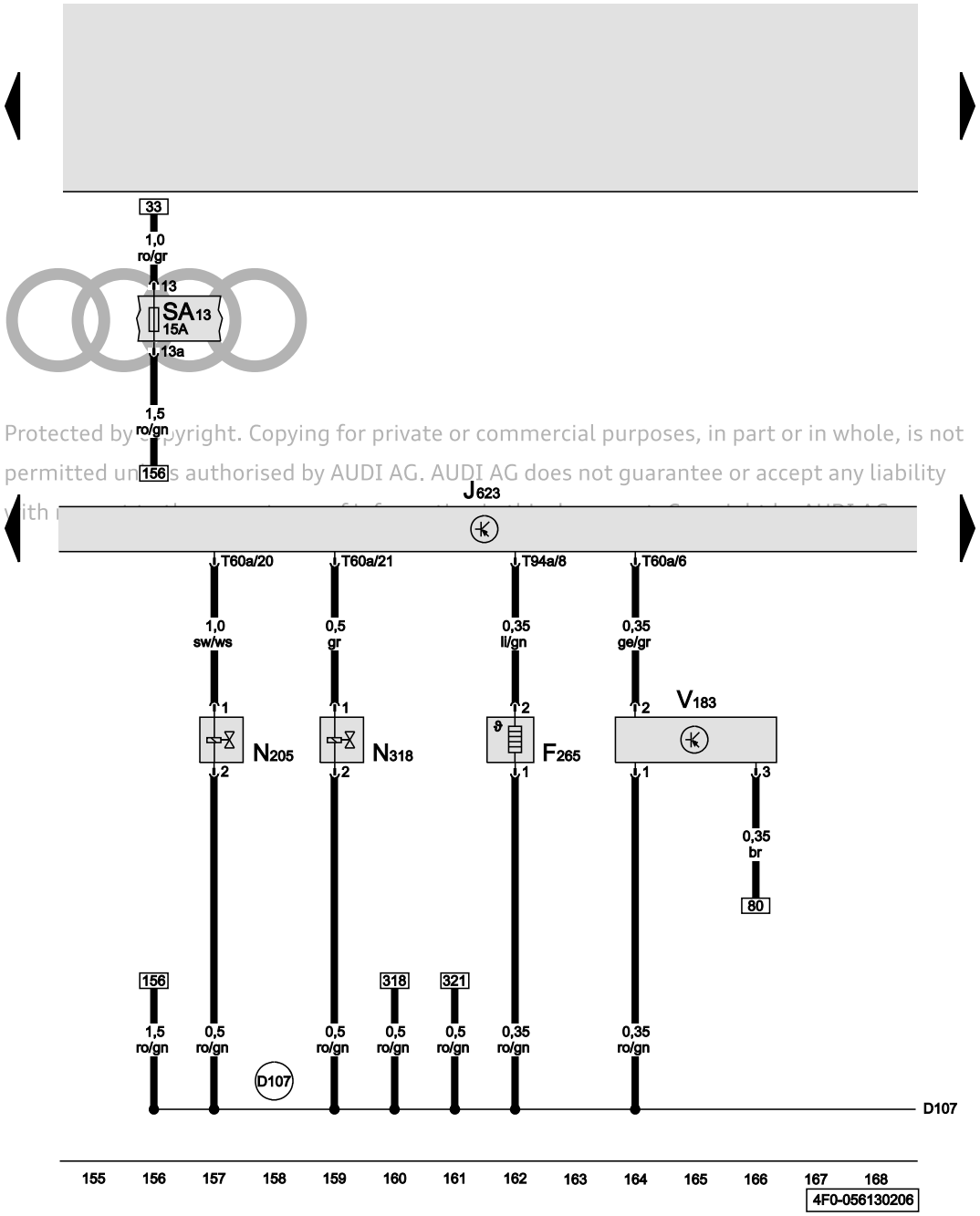
J299	Secondary air pump relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N290	Fuel metering valve
S130	Secondary air pump fuse
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V101	Secondary air pump motor
646	Earth point 2, on bulkhead
D109	Connection 7, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	Relay carrier electronics box on right in plenum chamber

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Engine control unit, map-controlled engine cooling system thermostat, inlet camshaft control valve 1, exhaust camshaft control valve 1, variable intake manifold motor

F265	Map-controlled engine cooling system thermostat
J623	Engine control unit
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
SA13	Fuse 3 on fuse holder engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V183	Variable intake manifold motor
D107	Connection 5, in engine compartment wiring harness

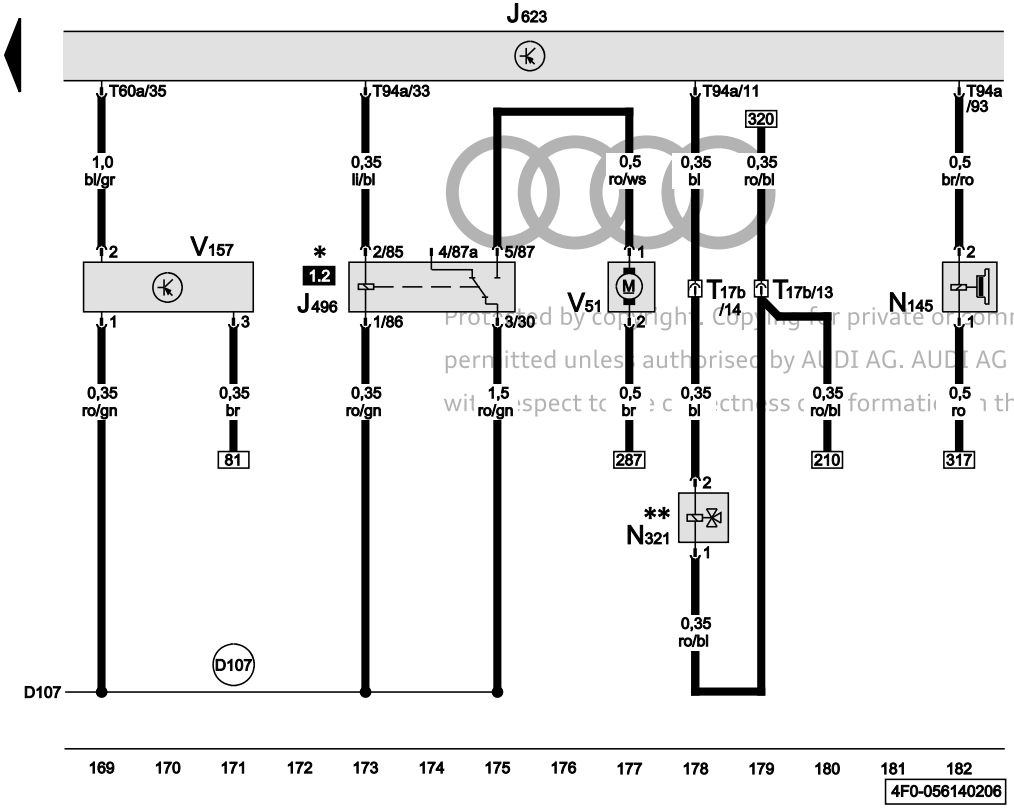


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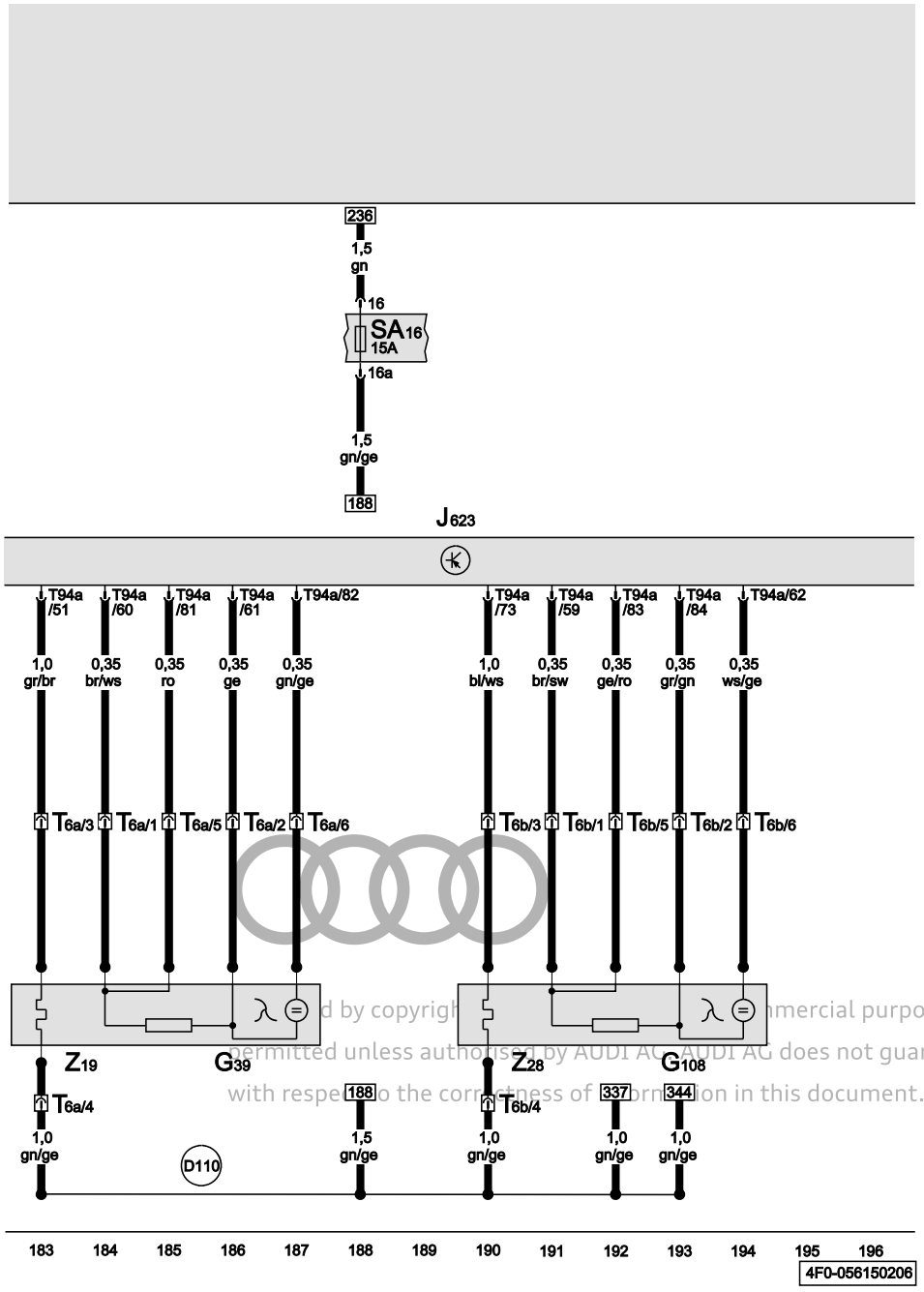
Engine control unit, additional coolant pump relay, continued coolant circulation pump, right electrohydraulic engine mounting solenoid valve, exhaust flap 1 valve, intake manifold flap motor

J496	Additional coolant pump relay
J623	Engine control unit
N145	Right electrohydraulic engine mounting solenoid valve
N321	Exhaust flap 1 valve
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V51	Continued coolant circulation pump
V157	Intake manifold flap motor
D107	Connection 5, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	models with exhaust flap 1 valve



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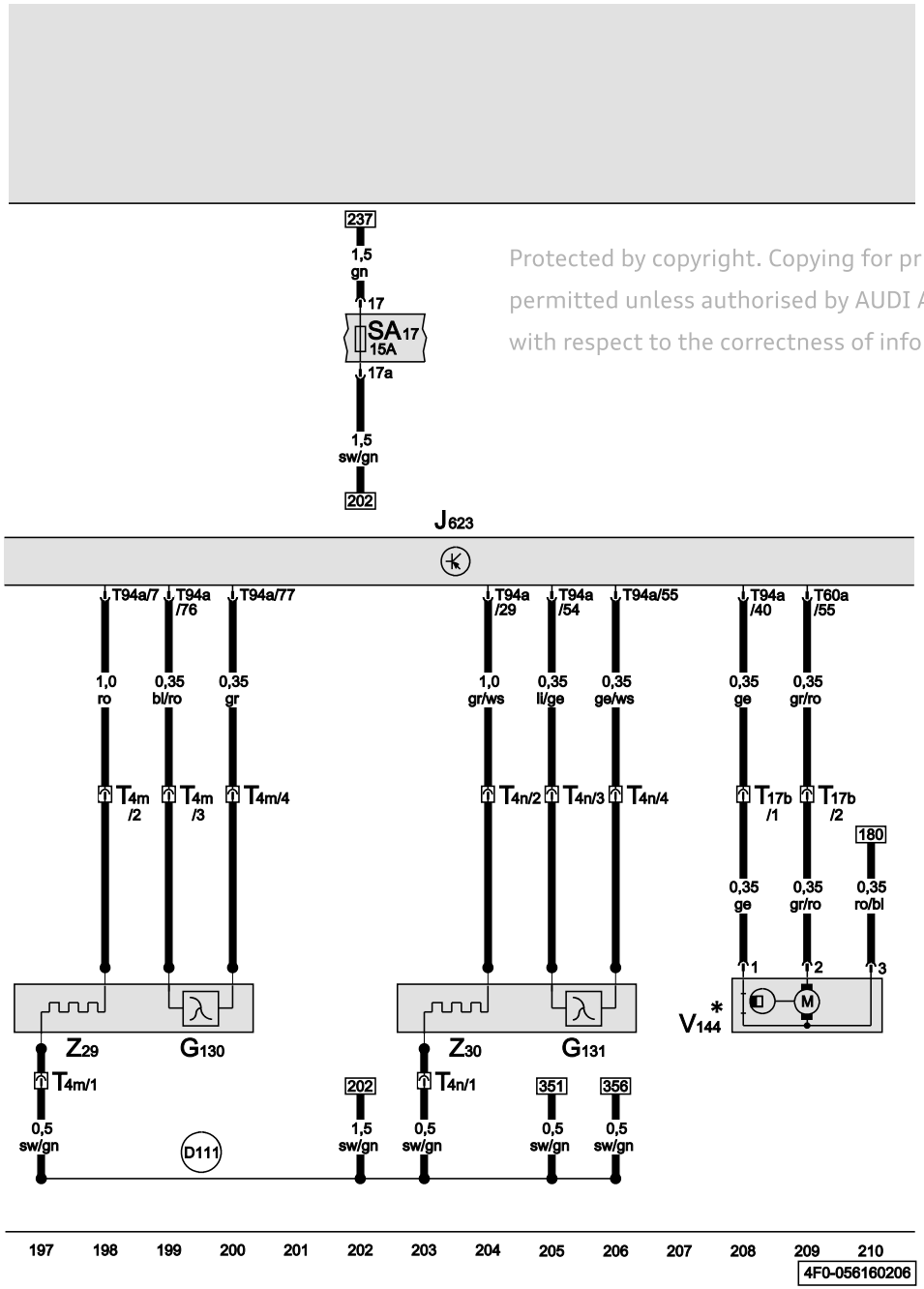


Engine control unit, lambda probe, lambda probe heater

G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA16	Fuse 6 on fuse holder engine compartment
T6a	6-pin connector, black, for lambda probe
T6b	6-pin connector, black, for lambda probe 2
T94a	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D110	Connection 8, in engine compartment wiring harness

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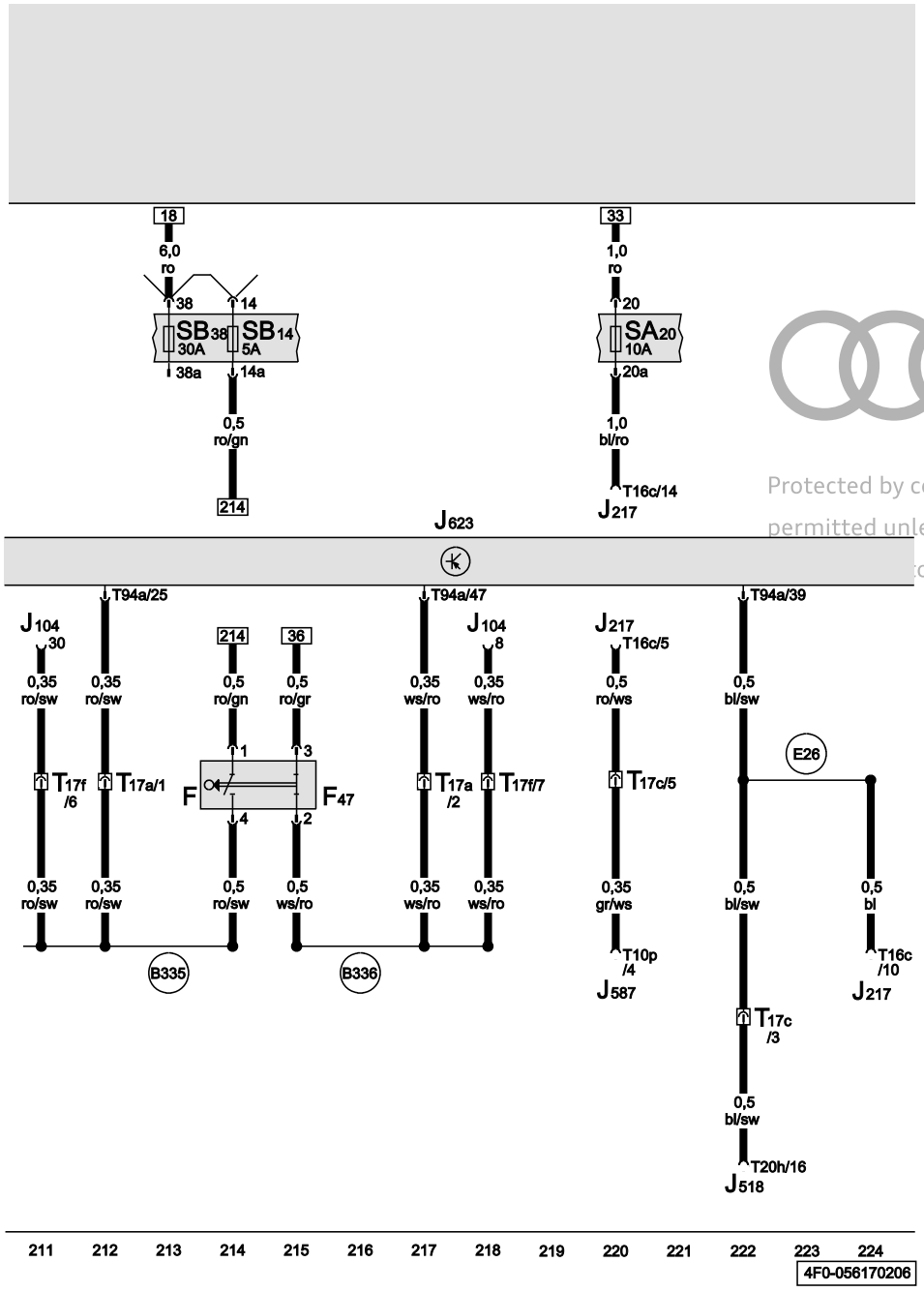


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Engine control unit, lambda probe after catalytic converter, lambda probe heater after catalytic converter, fuel system diagnostic pump

G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SA17	Fuse 7 on fuse holder engine compartment
T4m	4-pin connector, brown, for lambda probe after catalytic converter
T4n	4-pin connector, black, for lambda probe 2 after catalytic converter
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V144	Fuel system diagnostic pump
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D111	Connection 9, in engine compartment wiring harness
*	models with fuel system diagnostic pump

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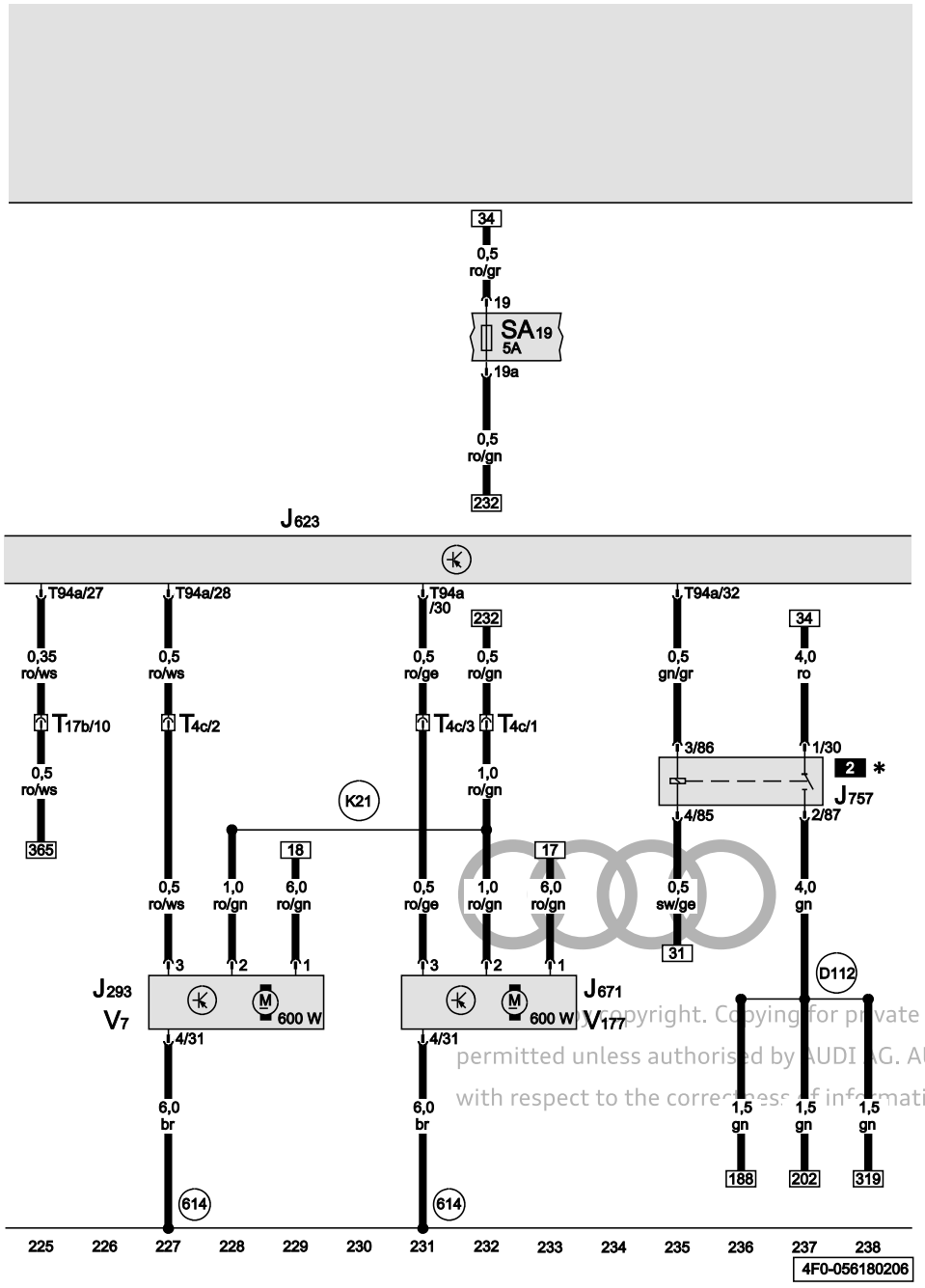


Engine control unit, brake light switchbrake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
J104	ABS control unit
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
J623	Engine control unit
SA20	Fuse 10 on fuse holder engine compartment
SB14	Fuse 14 on fuse holder
SB38	Fuse 38 on fuse holder
T10p	10-pin connector, black, on selector lever sensors control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
E26	Connection (selector position P/N), in Motronic wiring harness

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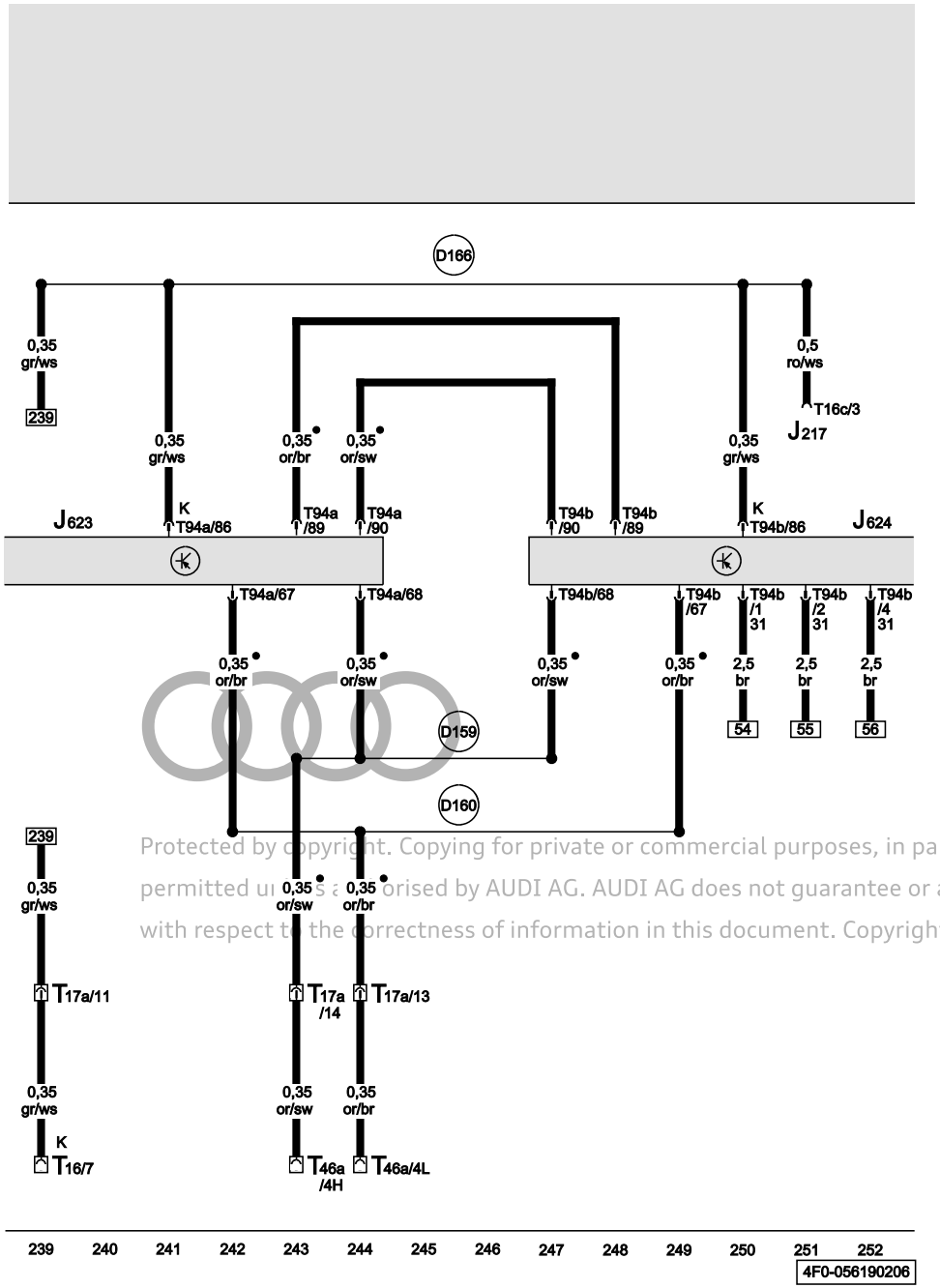


Engine control unit, engine component current supply relay, radiator fan control unit, radiator fan

J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
J757	Engine component current supply relay
SA19	Fuse 9 on fuse holder engine compartment
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
D112	Connection 10, in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Relay carrier electronics box left in plenum chamber

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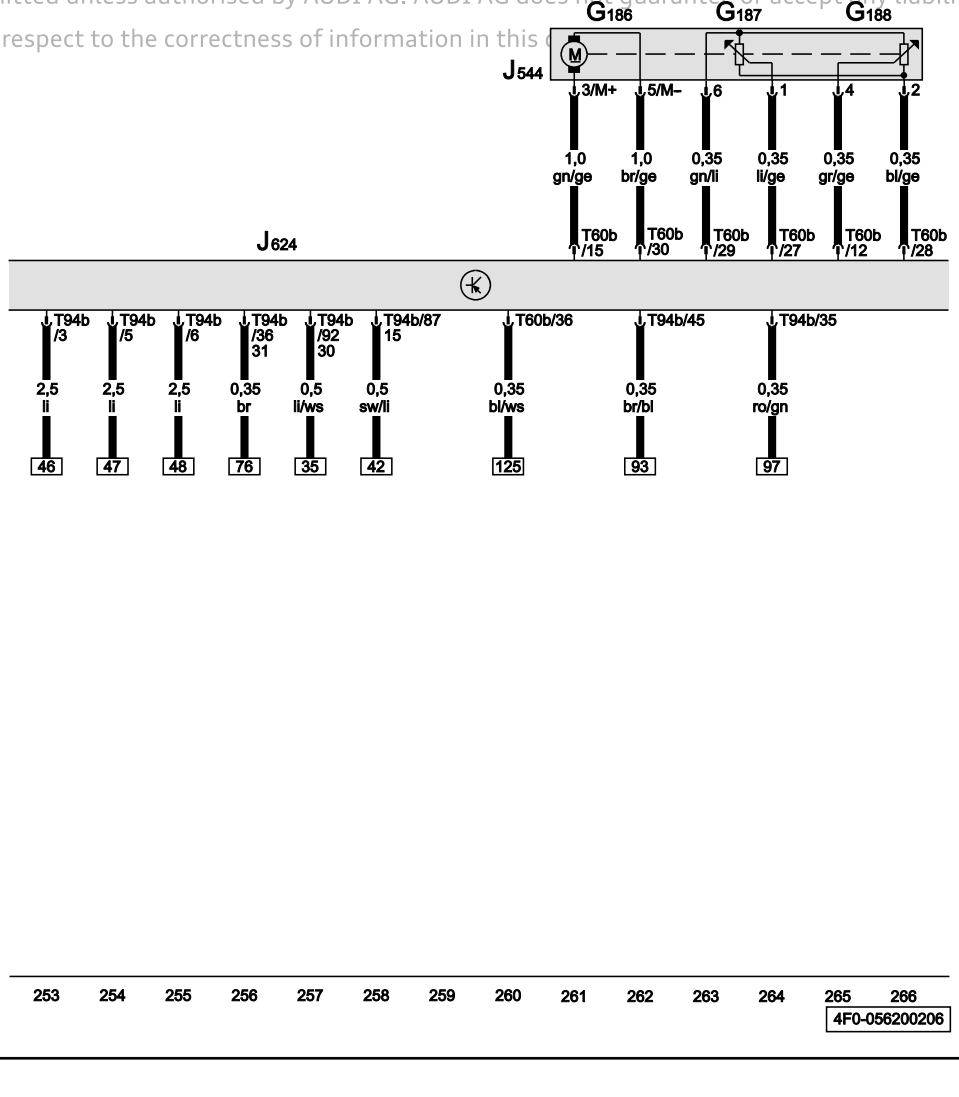
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Engine control unit, engine control unit 2, CAN bus wiring

J217	Automatic gearbox control unit
J623	Engine control unit
J624	Engine control unit 2
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN separating connector left
T94a	94-pin connector, black, connector B, on engine control unit
T94b	94-pin connector, black, connector B, on engine control unit 2
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
•	CAN bus (data wire)

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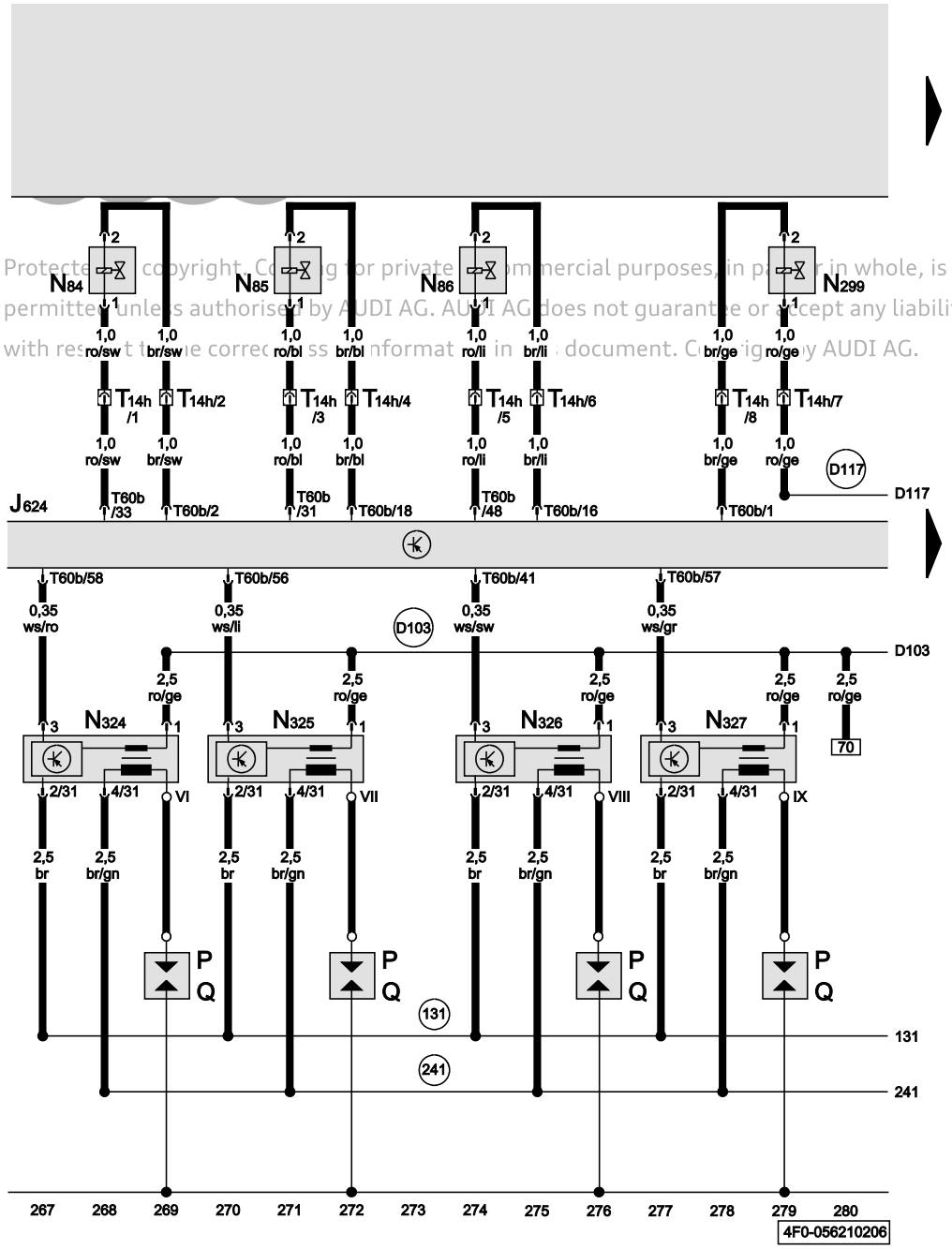


Engine control unit 2, throttle valve module 2

G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J544	Throttle valve module 2
J624	Engine control unit 2
T60b	60-pin connector, black, connector A, on engine control unit 2
T94b	94-pin connector, black, connector B, on engine control unit 2

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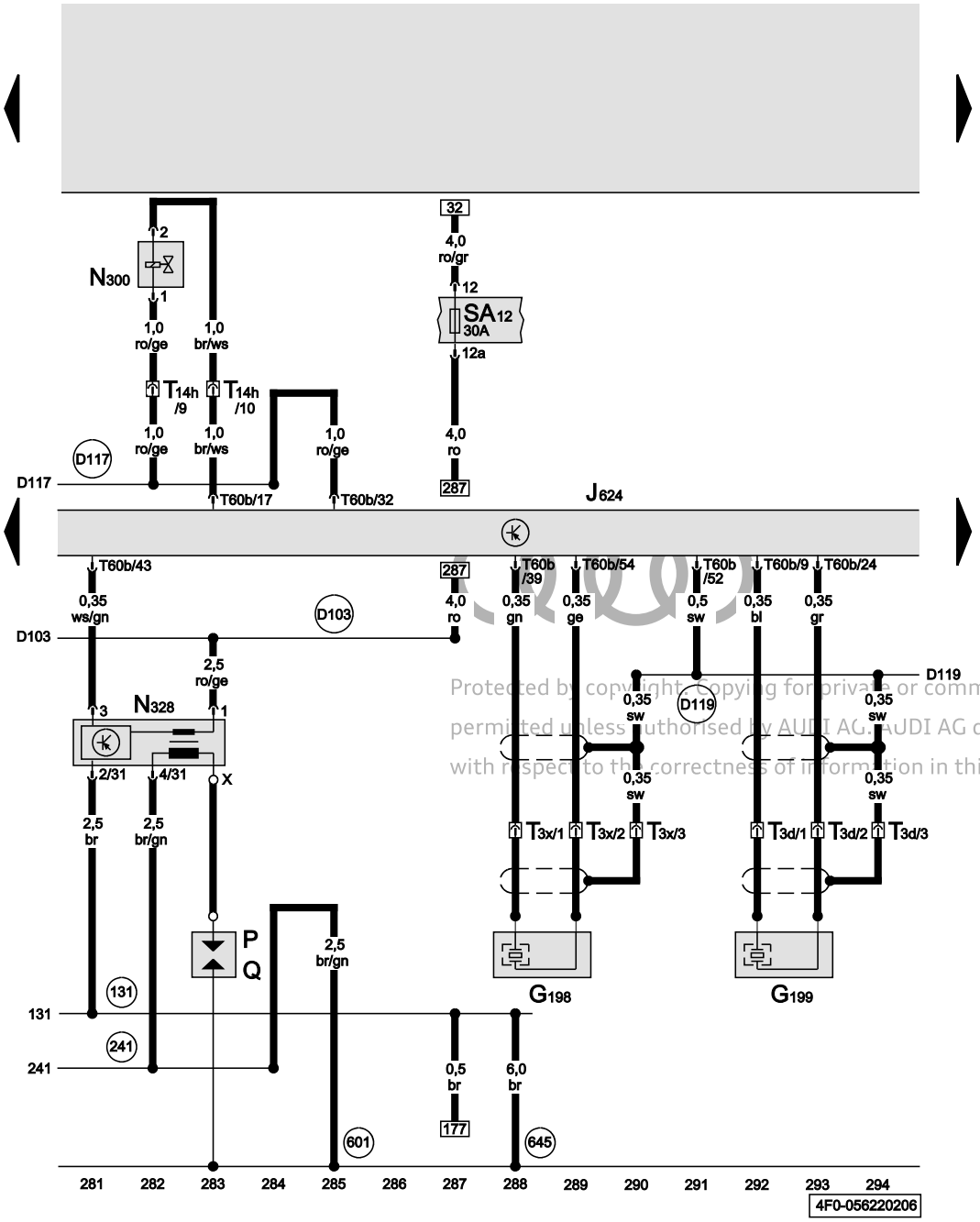
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Engine control unit 2, injectors cylinder 6 up to 9, ignition coils 6 up to 9 with output stage

J624	Engine control unit 2
N84	Injector, cylinder 6
N85	Injector, cylinder 7
N86	Injector, cylinder 8
N299	Injector, cylinder 9
N324	Ignition coil 6 with output stage
N325	Ignition coil 7 with output stage
N326	Ignition coil 8 with output stage
N327	Ignition coil 9 with output stage
P	Spark plug connector
Q	Spark plugs
T14h	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
131	Earth connection 2, in engine compartment wiring harness
241	Earth connection 2 engine earth, in engine wiring harness
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness



Engine control unit 2, injector, cylinder 10, ignition coil 10 with output stage, knock sensors

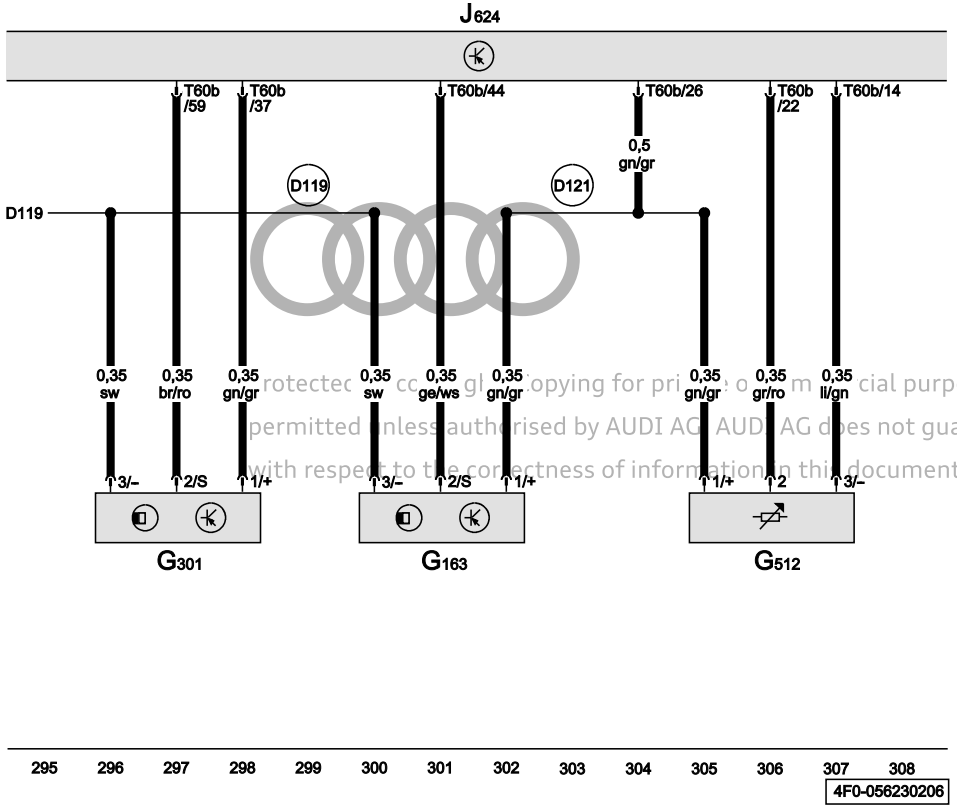
G198	Knock sensor 3
G199	Knock sensor 4
J624	Engine control unit 2
N300	Injector, cylinder 10
N328	Ignition coil 10 with output stage
P	Spark plug connector
Q	Spark plugs
SA12	Fuse 2 on fuse holder engine compartment
T3d	3-pin connector, blue, on knock sensor 4
T3x	3-pin connector, white, on knock sensor 3
T14h	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
131	Earth connection 2, in engine compartment wiring harness
241	Earth connection 2 engine earth, in engine wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
D119	Connection 17, in engine compartment wiring harness

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Engine control unit 2, Hall sender, intake manifold flap potentiometer 2

G163	Hall sender 2
G301	Hall sender 4
G512	Intake manifold flap 2 potentiometer
J624	Engine control unit 2
T60b	60-pin connector, black, connector A, on engine control unit 2
D119	Connection 17, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness

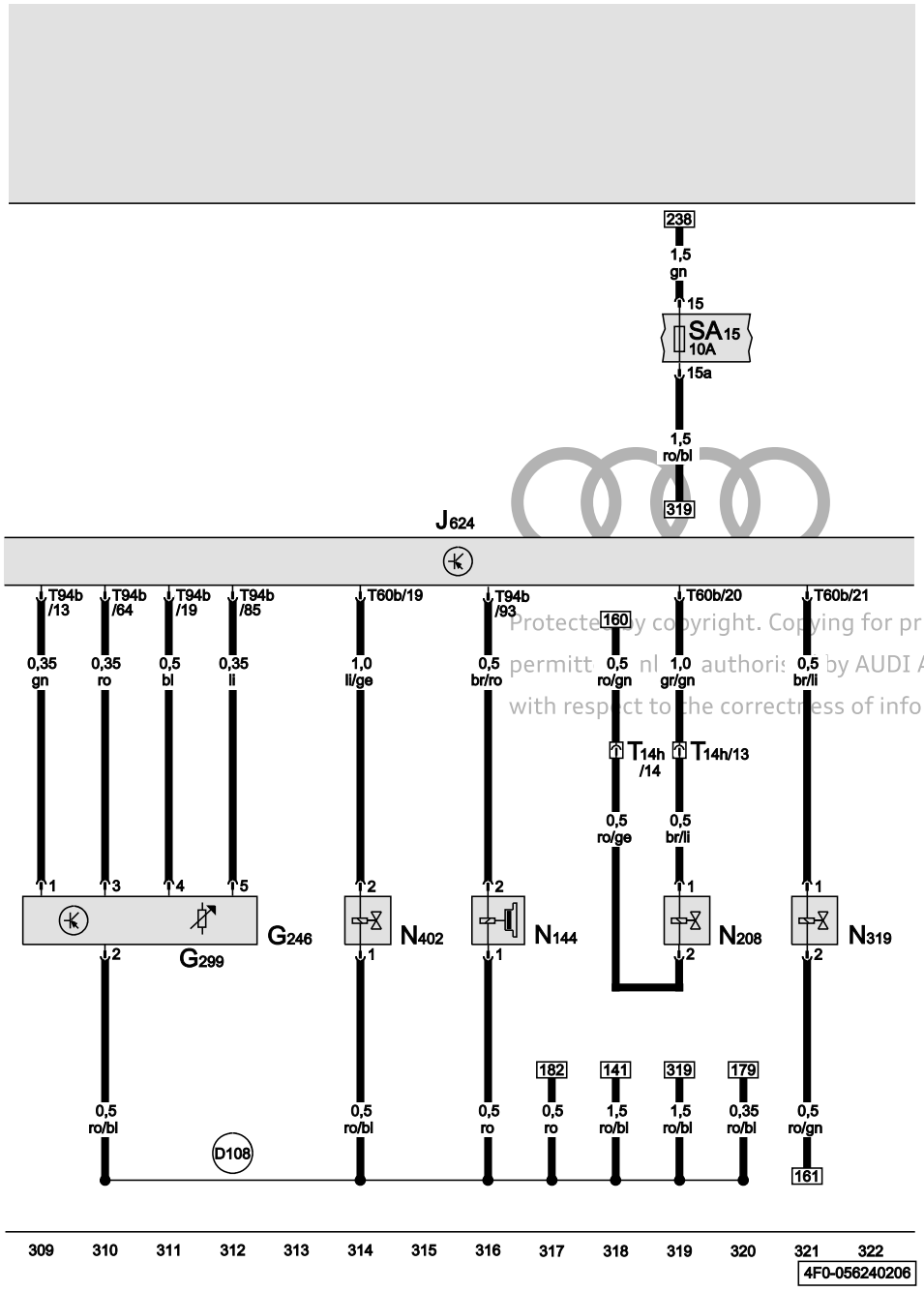


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Engine control unit 2, air mass meter 2, left electrohydraulic engine mounting solenoid valve, inlet camshaft control valve 2, exhaust camshaft control valve 2, fuel metering valve 2

G246	Air mass meter 2
G299	Intake air temperature sender 2
J624	Engine control unit 2
N144	Left electrohydraulic engine mounting solenoid valve
N208	Inlet camshaft control valve 2
N319	Exhaust camshaft control valve 2
N402	Fuel metering valve 2
SA15	Fuse 5 on fuse holder engine compartment
T14h	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
T94b	94-pin connector, black, connector B, on engine control unit 2
D108	Connection 6, in engine compartment wiring harness

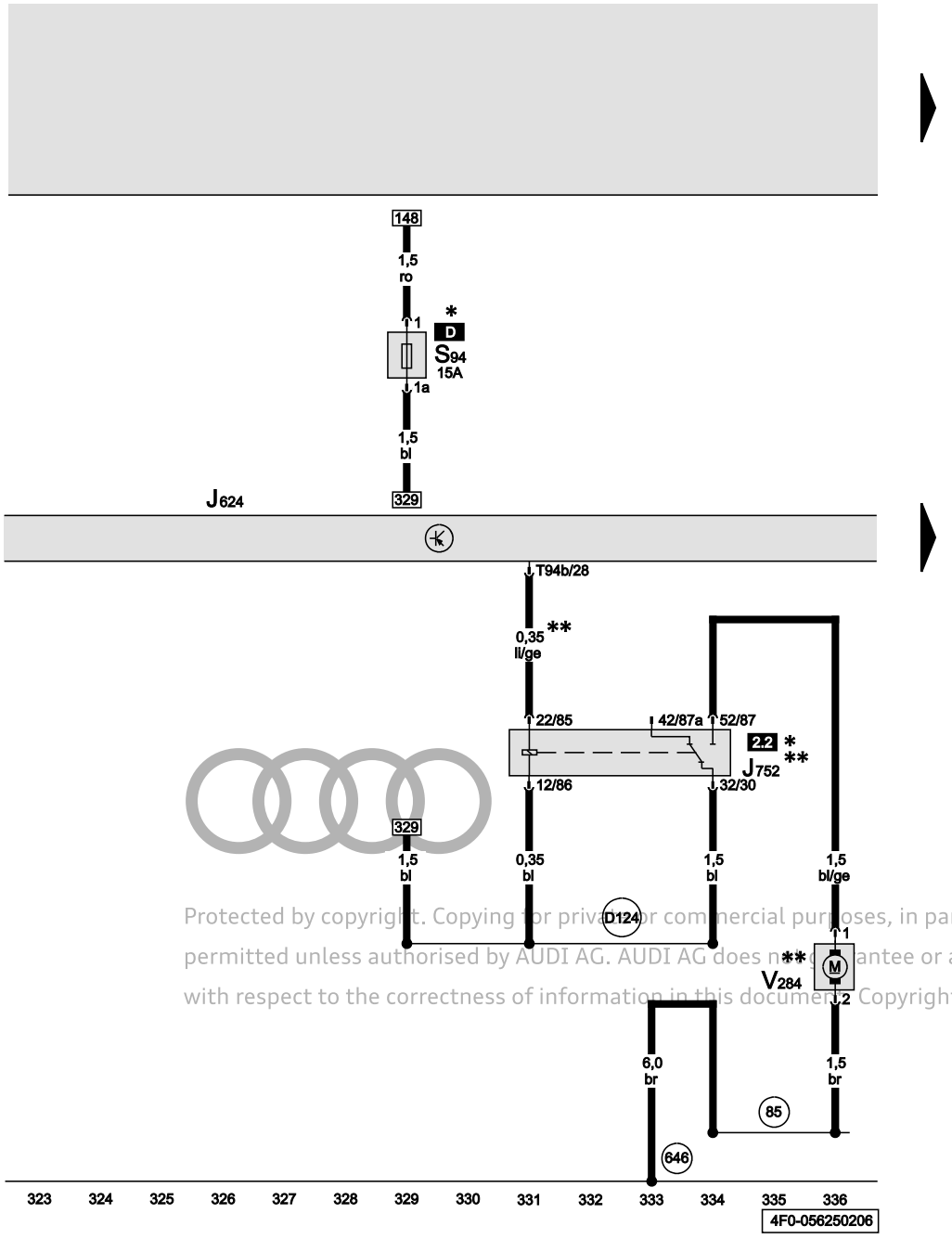


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Engine control unit 2, radiator fan 3 relay, radiator fan 3

J624	Engine control unit 2
J752	Radiator fan 3 relay
S94	Radiator fan fuse for 3rd speed
T94b	94-pin connector, black, connector B, on engine control unit 2
V284	Radiator fan 3
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
D124	Connection 22, in engine compartment wiring harness
*	Relay carrier electronics box on right in plenum chamber
**	models with trailer towing attachment



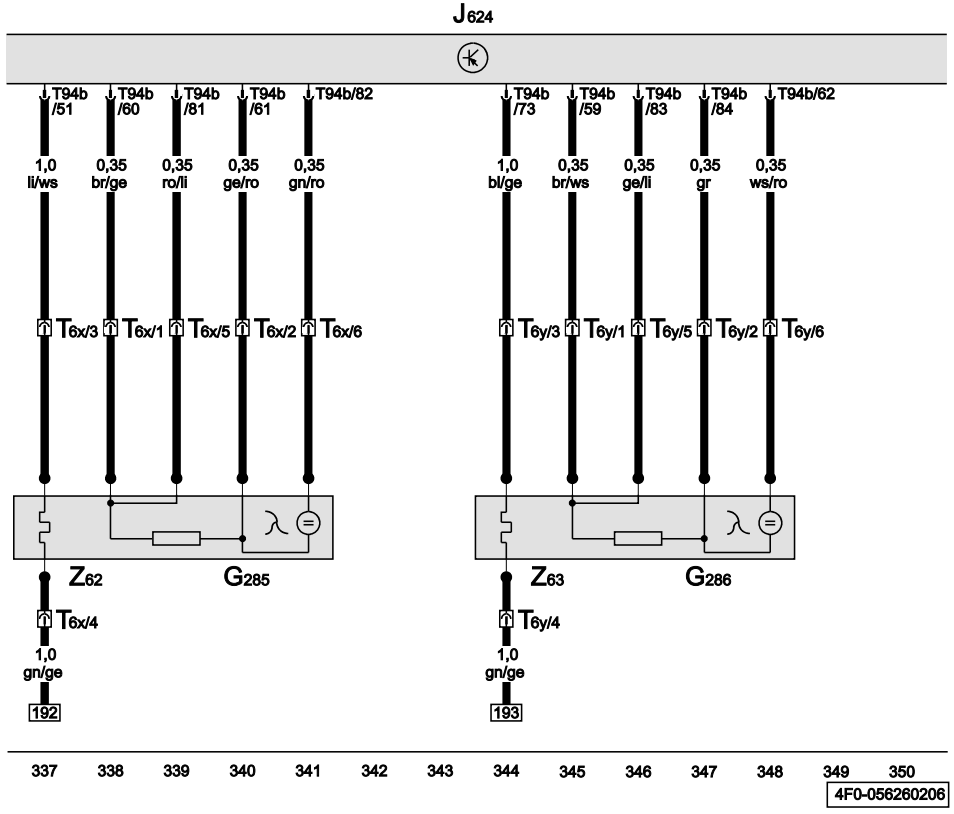
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Engine control unit 2, lambda probe 3 and 4, lambda probe 3 and 4 heater

G285	Lambda probe 3
G286	Lambda probe 4
J624	Engine control unit 2
T6x	6-pin connector, black, for lambda probe 3
T6y	6-pin connector, black, for lambda probe 4
T94b	94-pin connector, black, connector B, on engine control unit 2
Z62	Lambda probe 3 heater
Z63	Lambda probe 4 heater

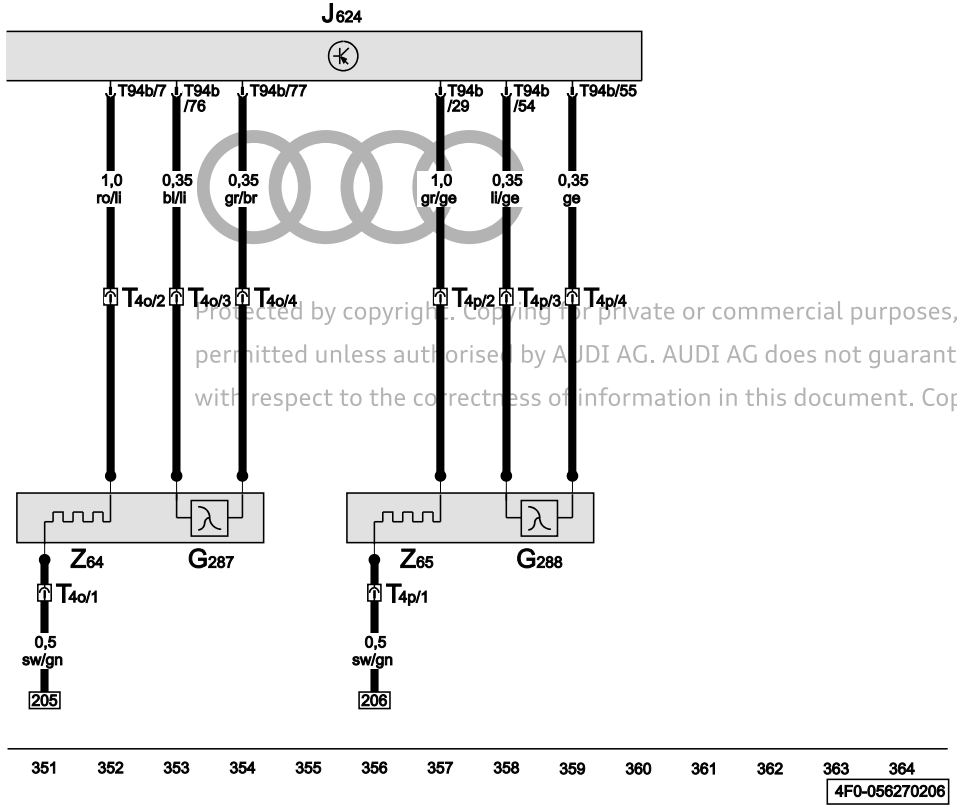
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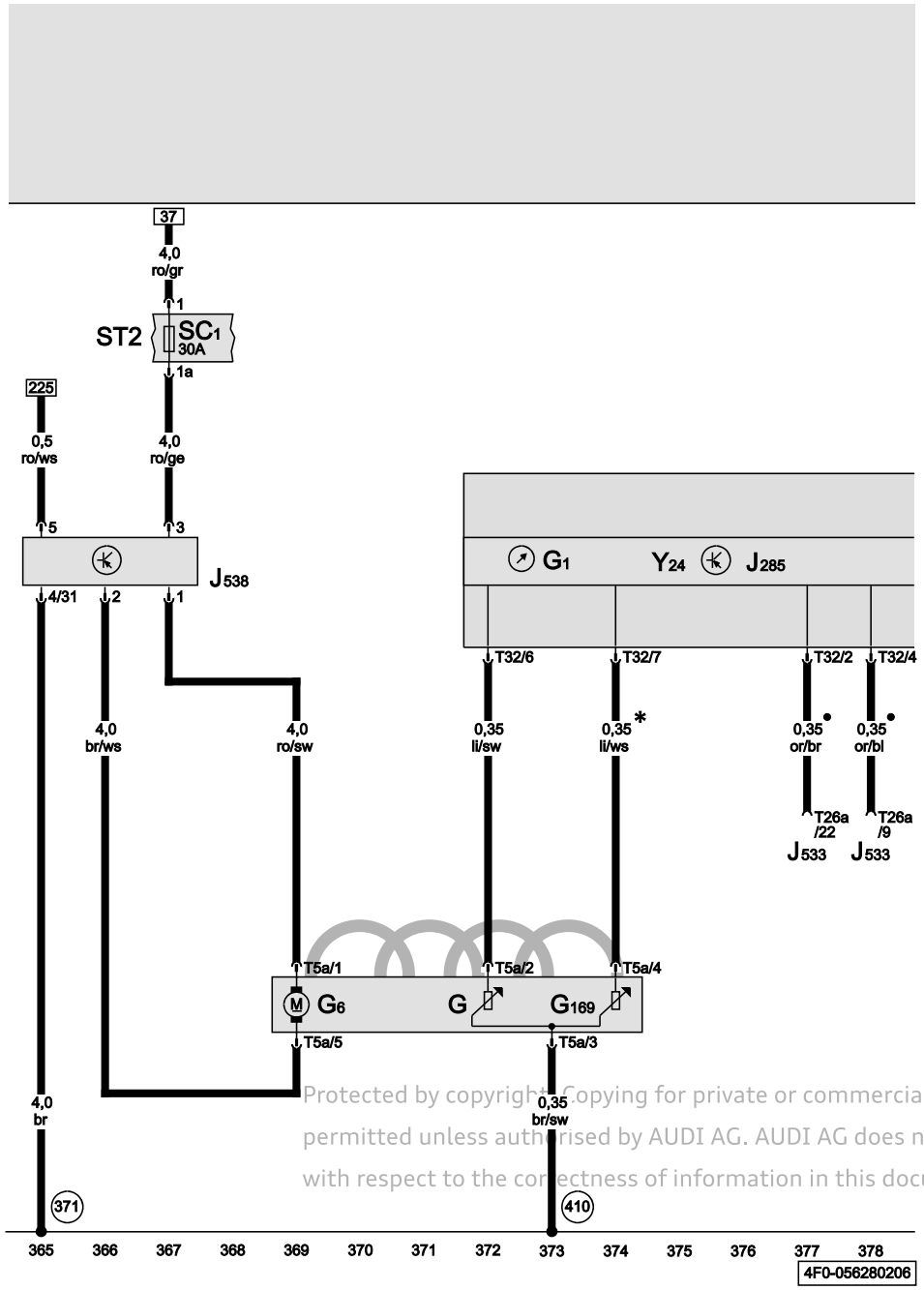
Engine control unit 2, lambda probe 3 and 4 after catalytic converter, lambda probe 3 and 4 heater after catalytic converter

G287	Lambda probe 3 after catalytic converter
G288	Lambda probe 4 after catalytic converter
J624	Engine control unit 2
T4o	4-pin connector, brown, for lambda probe 3 after catalytic converter
T4p	4-pin connector, brown, for lambda probe 4 after catalytic converter
T94b	94-pin connector, black, connector B, on engine control unit 2
Z64	Lambda probe 3 heater after catalytic converter
Z65	Lambda probe 4 heater after catalytic converter



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or	=	orange
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Fuel pump control unit, control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sender, fuel gauge, fuel gauge sender 2

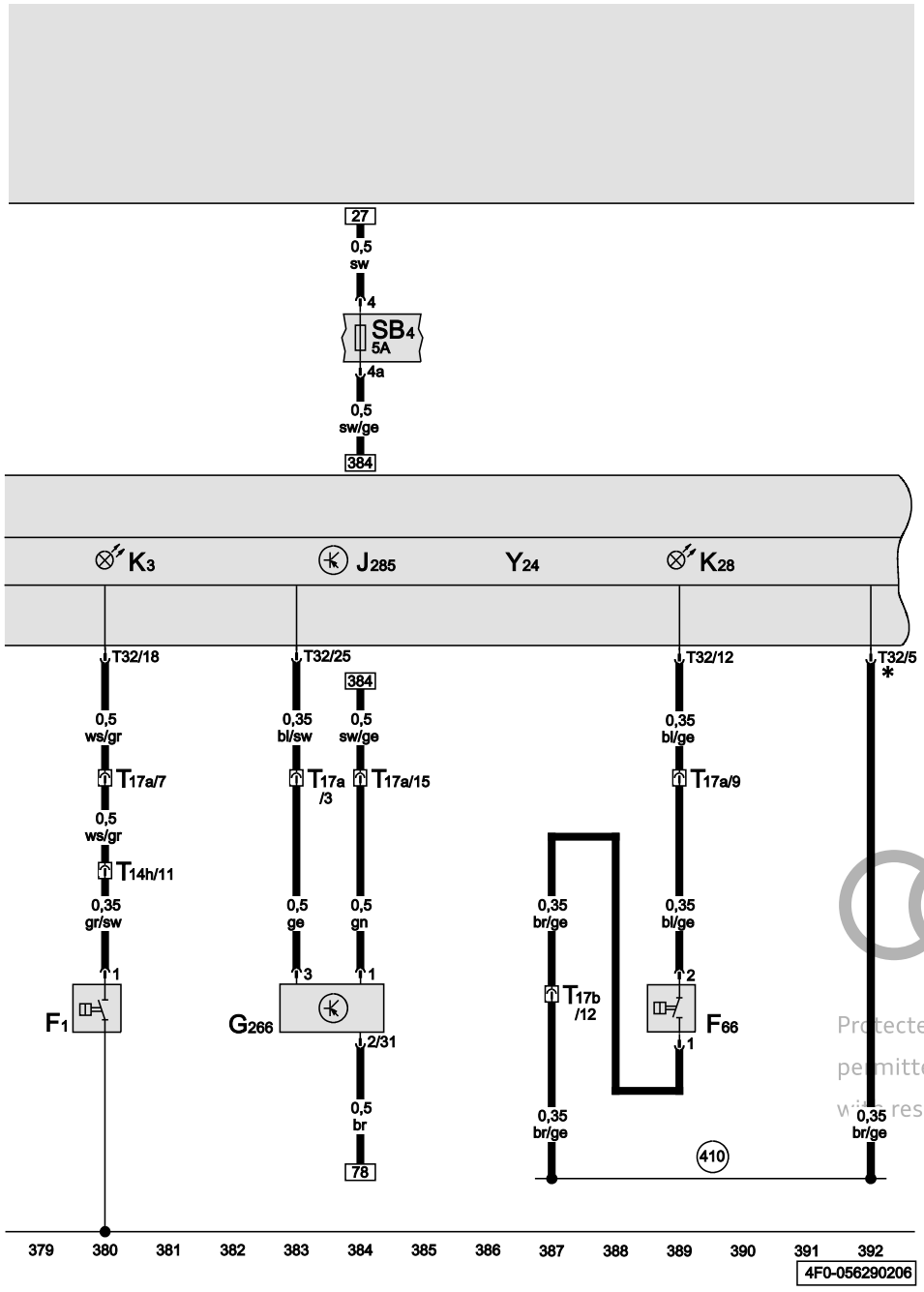
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J538	Fuel pump control unit
SC1	Fuse 1 on fuse holder
T5a	5-pin connector, black, on fuel tank
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, blue, on dash panel insert
Y24	Display in dash panel insert
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive

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Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil level and oil temperature sender, oil pressure switch, coolant shortage indicator switch

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder
T14h	14-pin connector, brown, in left engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17b	17-pin connector, black, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, blue, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth



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Bluetooth car phone (9ZW)

from model year 2006

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

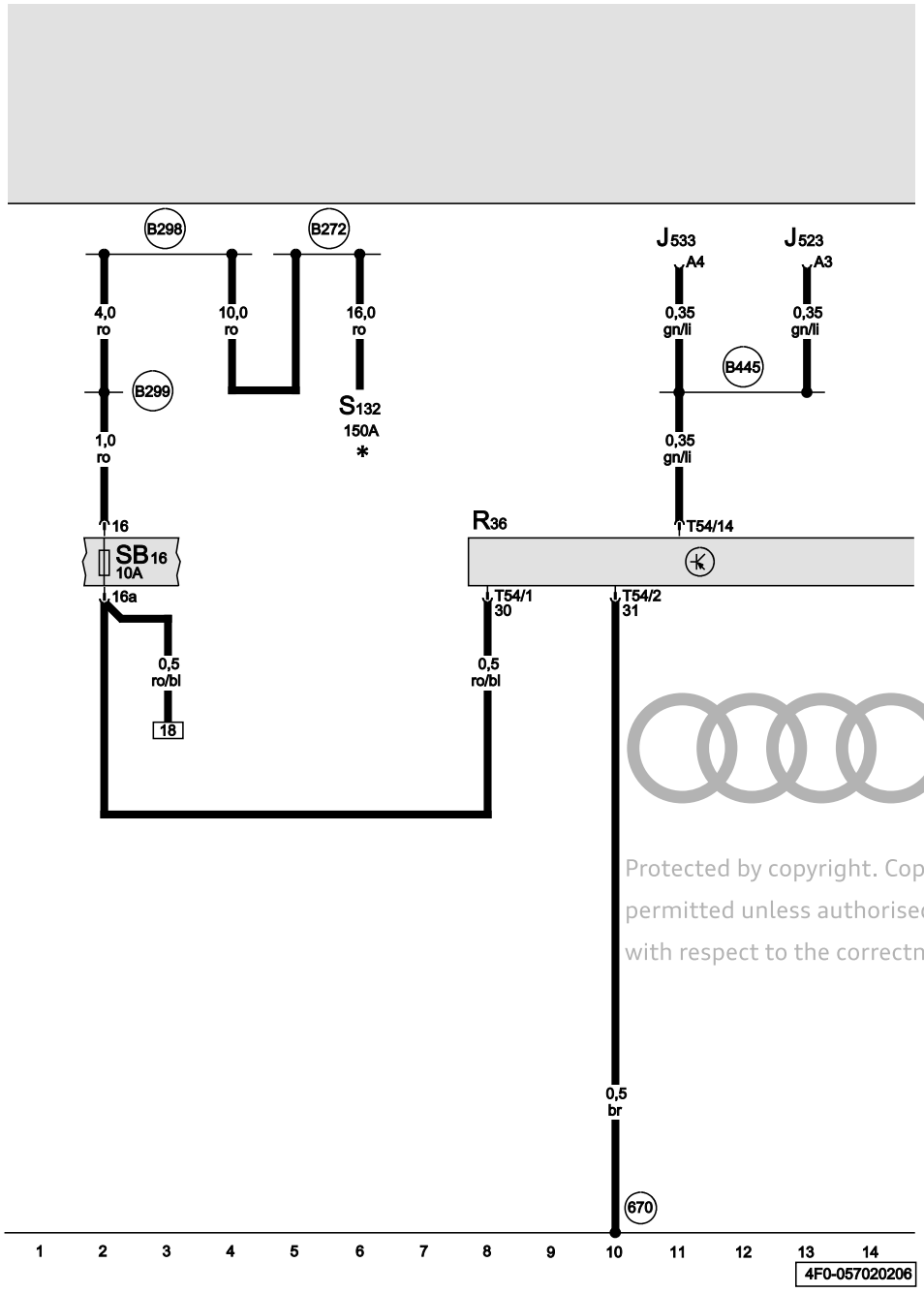
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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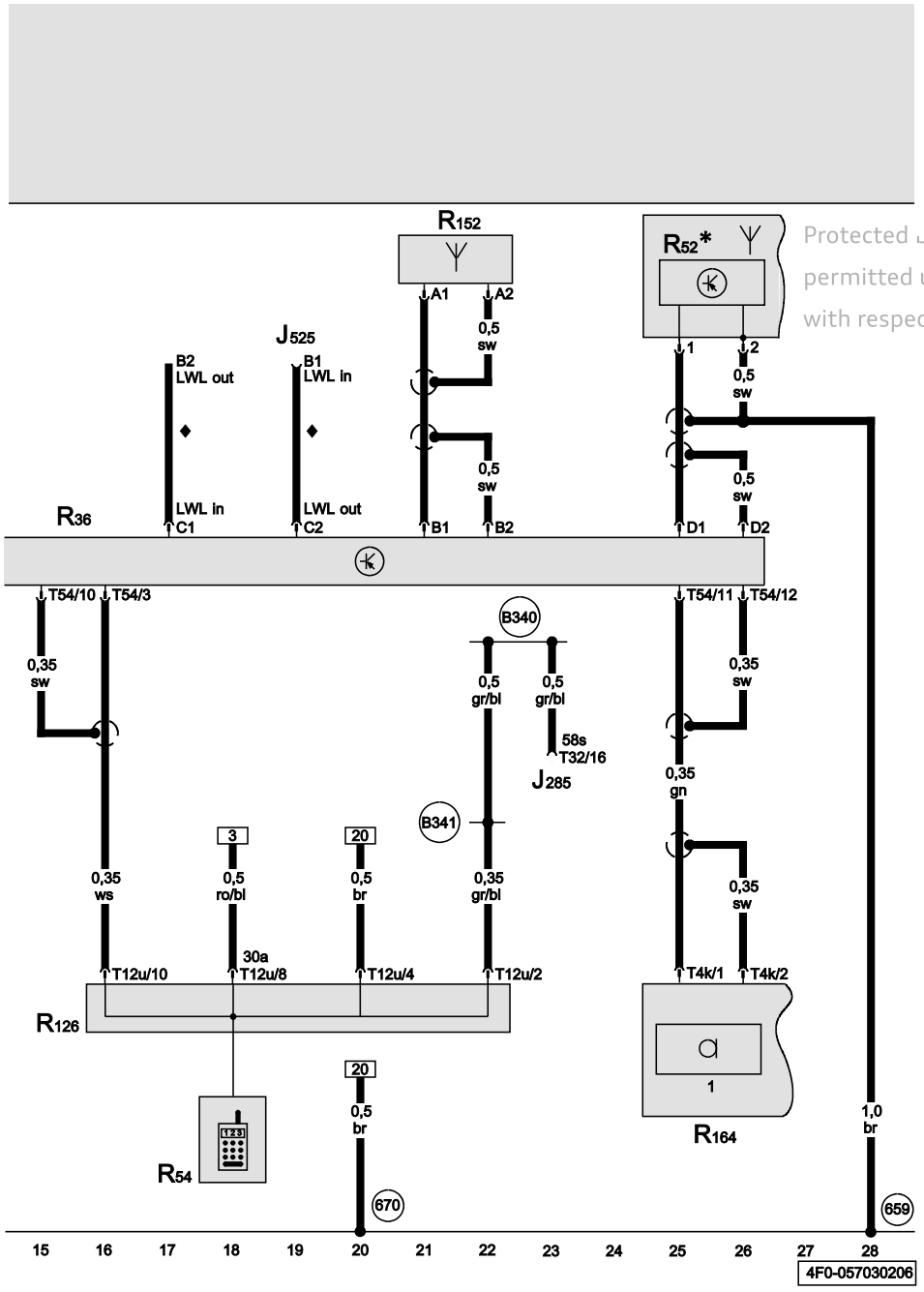
Telephone transmitter and receiver unit

J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
R36	Telephone transmitter and receiver unit
S132	Fuse 2
SB16	Fuse 16 on fuse holder
T54	54-pin connector, black, on telephone transmitter and receiver unit
670	Earth point 2, left A-pillar
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
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	Fuse and relay carrier right in luggage compartment

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Telephone transmitter and receiver unit, aerial for Bluetooth, radio, telephone and navigation system aerial, microphone unit in front roof module, mobile telephone



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J285	Control unit in dash panel insert
J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R52	Radio, telephone and navigation system aerial
R54	Mobile telephone
R126	Telephone bracket
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T4k	4-pin connector, black, microphone connection roof module
T12u	12-pin connector, black, on Bluetooth Handset
T32	32-pin connector, grey, on dash panel insert
T54	54-pin connector, black, on telephone transmitter and receiver unit
659	Earth point 1, on right near rear window
670	Earth point 2, left A-pillar
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	roof aerial
◆	Fibre optic conductor, see Current Flow Diagram infotainment data bus (Most Ring)

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Navigation system China (7T4)

from model year 2006

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

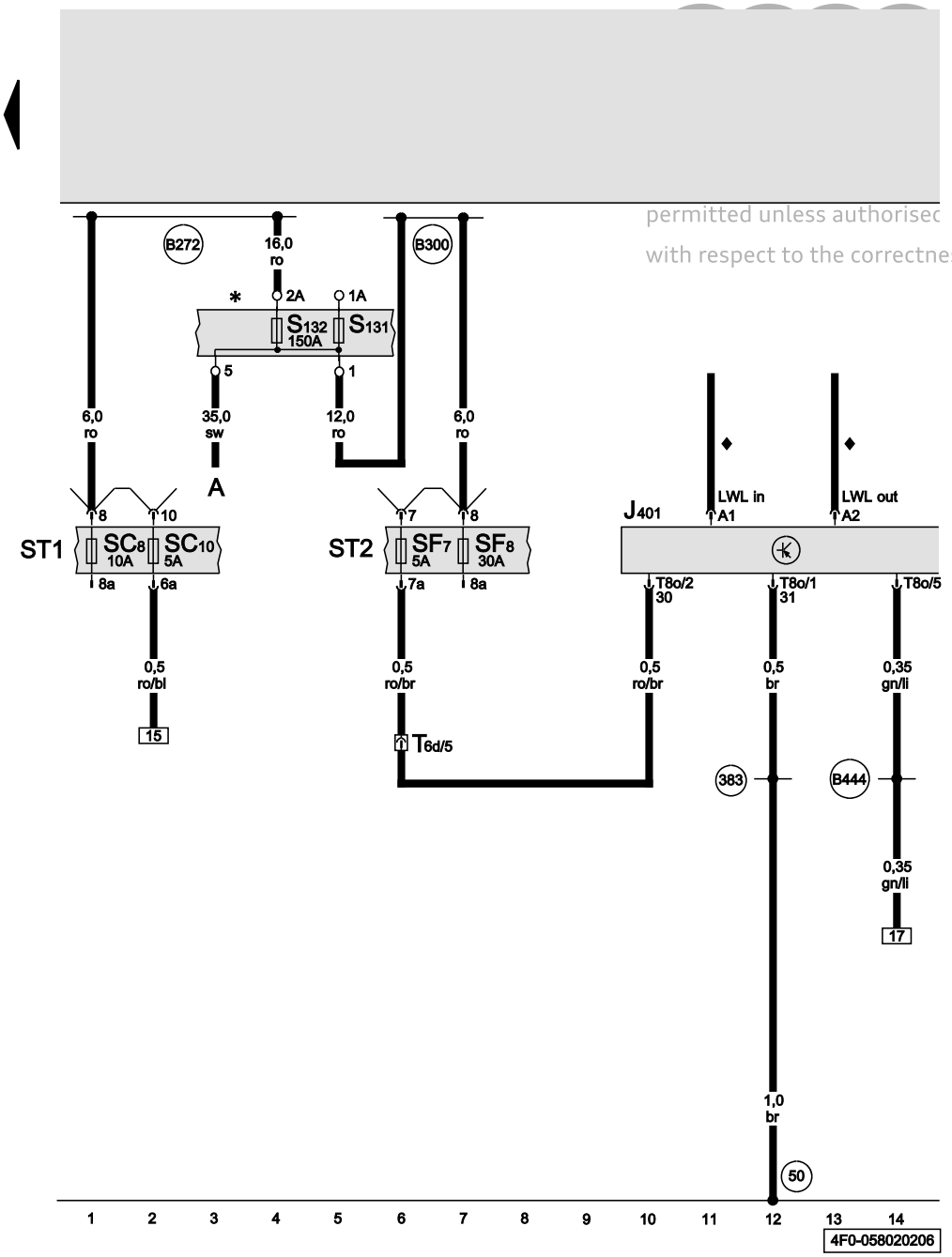
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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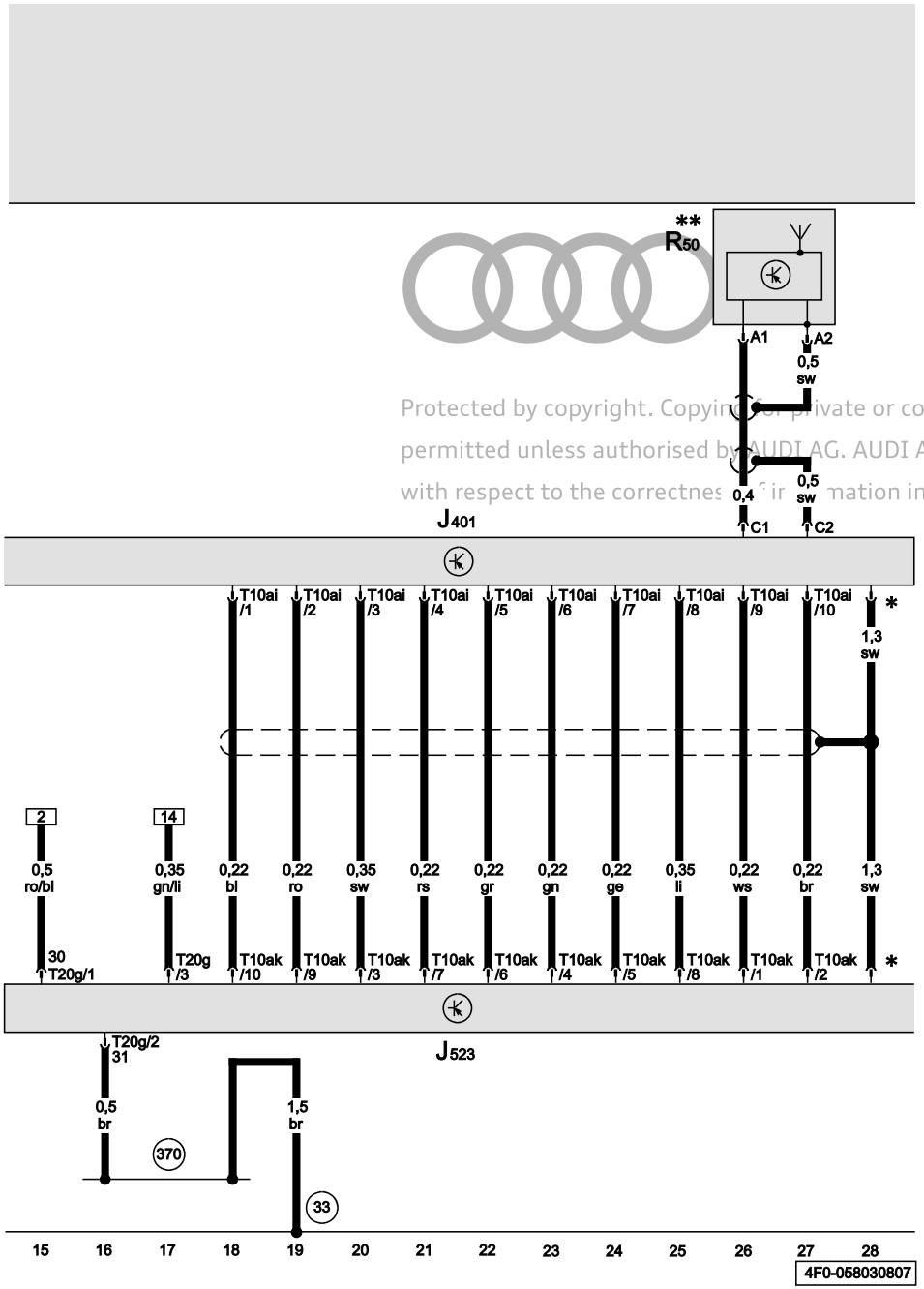


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Navigation system with CD drive control unit, fuses

A	Battery
J401	Navigation system with CD drive control unit
S131	Fuse 1
S132	Fuse 2
SC8	Fuse 8 on fuse holder
SC10	Fuse 10 on fuse holder
SF7	Fuse 7 on fuse holder
SF8	Fuse 8 on fuse holder
T6d	6-pin connector, black, on left in luggage compartment
T8o	8-pin connector, black, on navigation system with CD drive control unit
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
*	Fuse and relay carrier right in luggage compartment
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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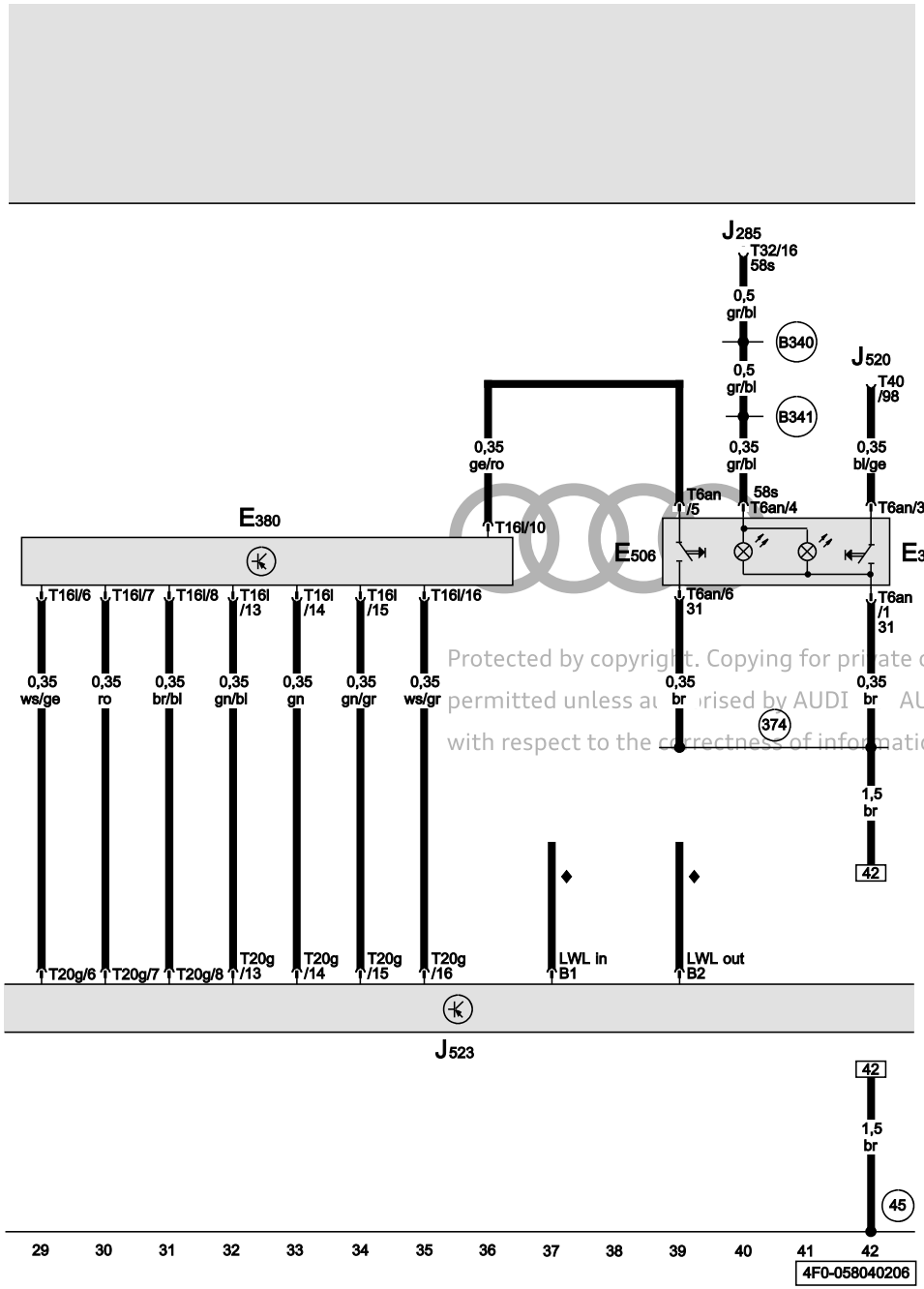
Front information display and operating unit control unit, navigation system with CD drive control unit, navigation system aerial

J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
R50	Navigation system aerial
T10ai	10-pin connector, black, on navigation system with CD drive control unit
T10ak	10-pin connector, black, on front information display and operating unit control unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
*	screening on connector housing
**	under roof trim

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Front information display and operating unit control unit, multimedia system operating unit, display unit button, glove compartment button



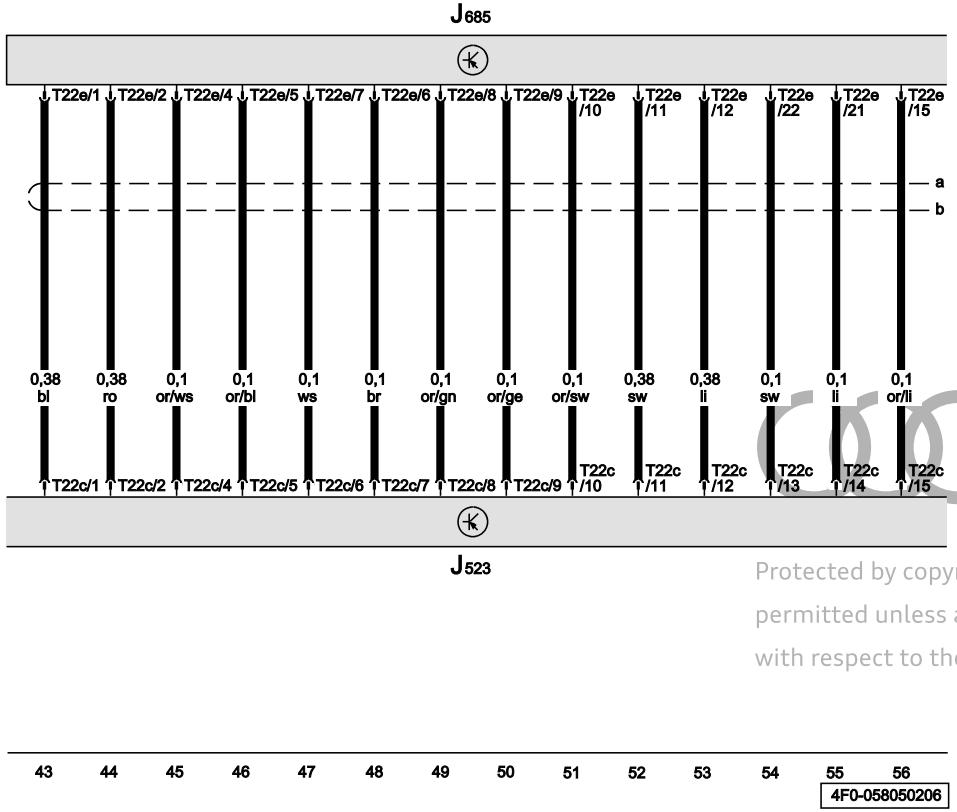
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E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T6an	6-pin connector, black, on switch module
T16l	16-pin connector, brown, on multimedia system operating unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523 Front information display and operating unit control unit
J685 Display unit for front information display and operating unit control unit
T22c 22-pin connector, connector C, on display and operating unit change-over unit
T22e 22-pin connector, on display unit for front information display and operating unit control unit

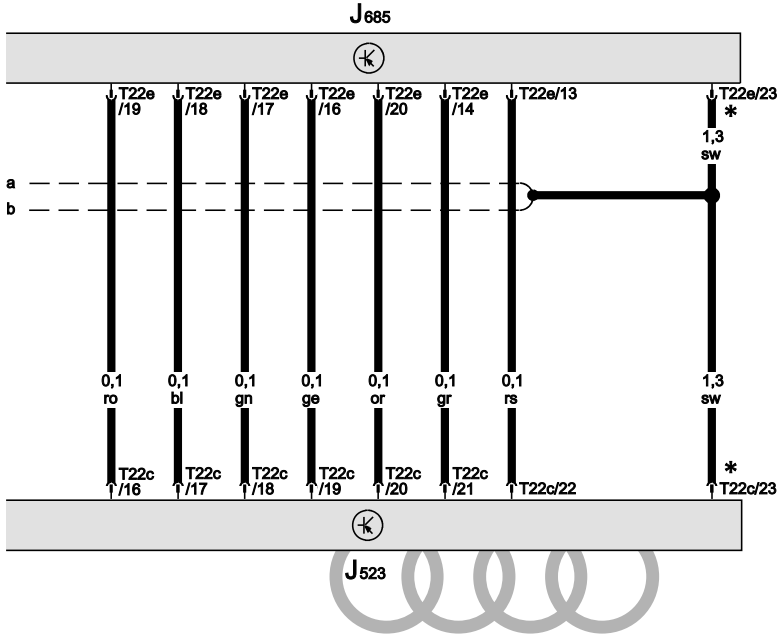


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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523 Front information display and operating unit control unit
J685 Display unit for front information display and operating unit control unit
T22c 22-pin connector, connector C, on display and operating unit change-over unit
T22e 22-pin connector, on display unit for front information display and operating unit control unit
* screening on connector housing



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57 58 59 60 61 62 63 64 65 66 67 68 69 70

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Headlight for gaseous discharge light (Bixenon), cornering light and automatic headlight range control

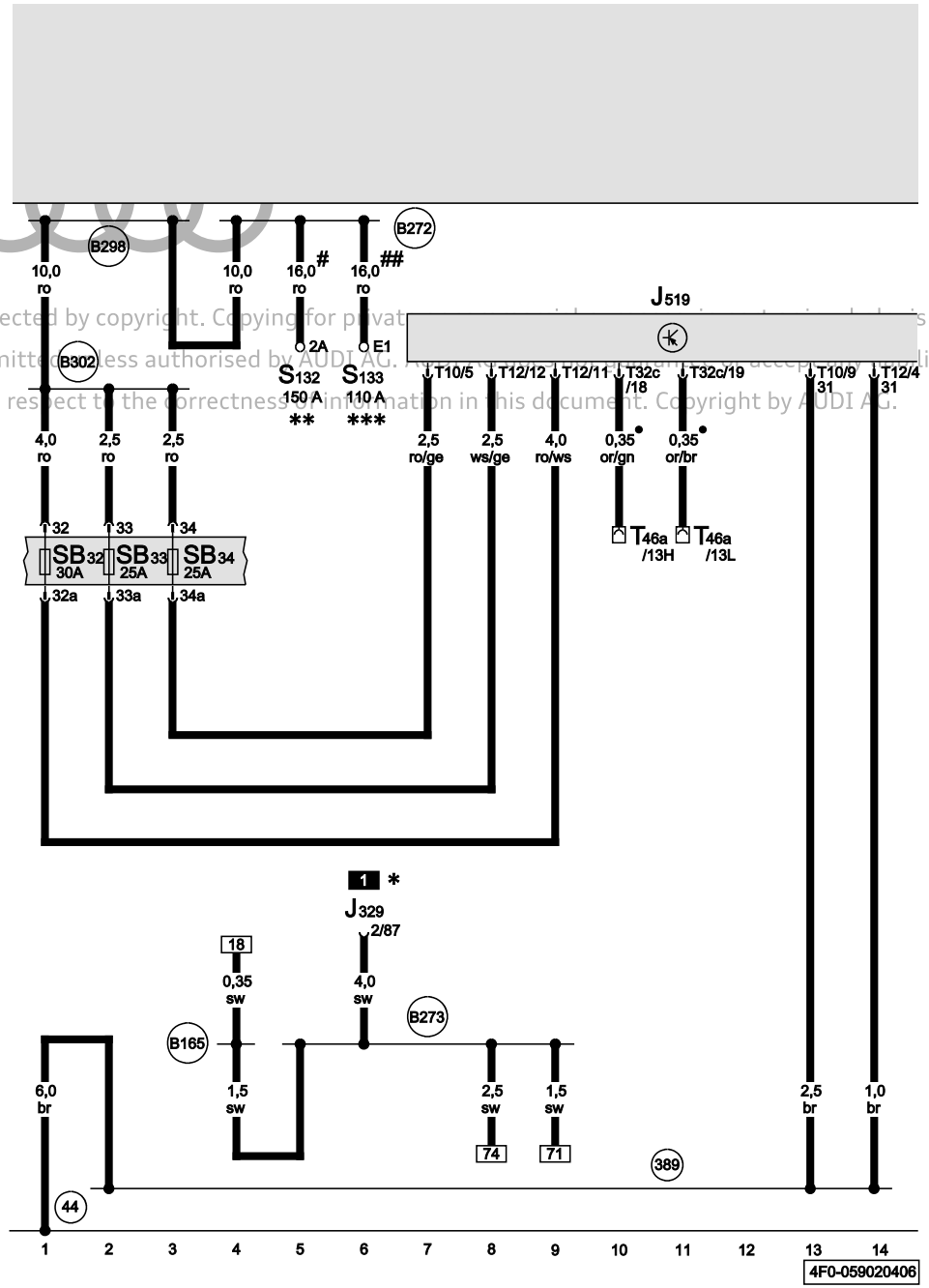
⇒ **Side light and day driving light with LED**
⇒ **Fog lights on main headlight**
from model year 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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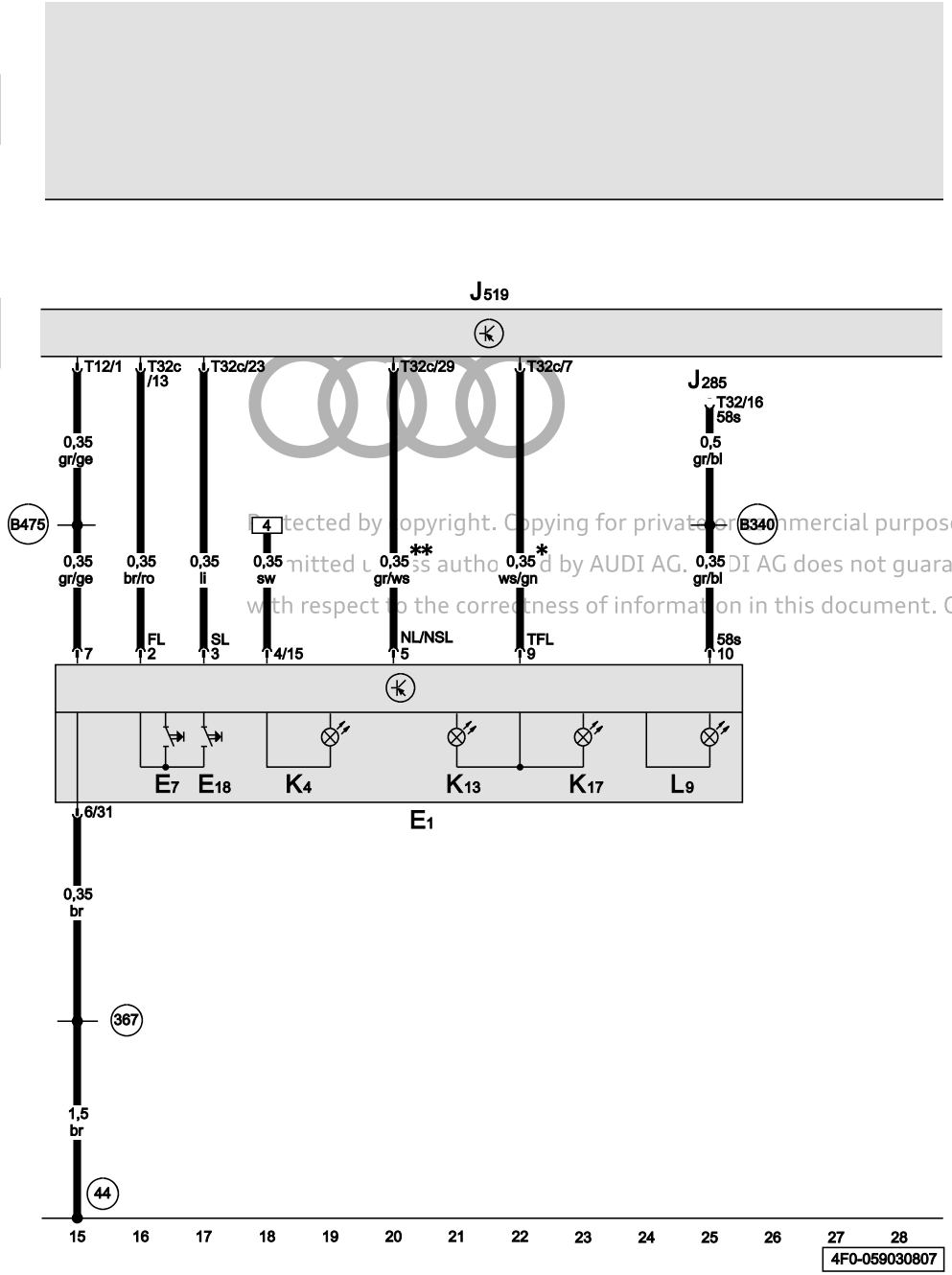


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Onboard power supply control unit, fuses

J329	Terminal 15 voltage supply relay
J519	Onboard supply control unit
S132	Fuse 2
S133	Fuse 3
SB32	Fuse 32 on fuse holder
SB33	Fuse 33 on fuse holder
SB34	Fuse 34 on fuse holder
T10	10-pin connector, black, connector A, on onboard power supply control unit
T12	12-pin connector, black, connector B, on onboard power supply control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T46a	46-pin connector, CAN disconnector left
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	Fuse and relay carrier right in luggage compartment
***	main fuse box, in luggage compartment, rear right, on the battery
#	up to model year 2006
##	from model year 2007

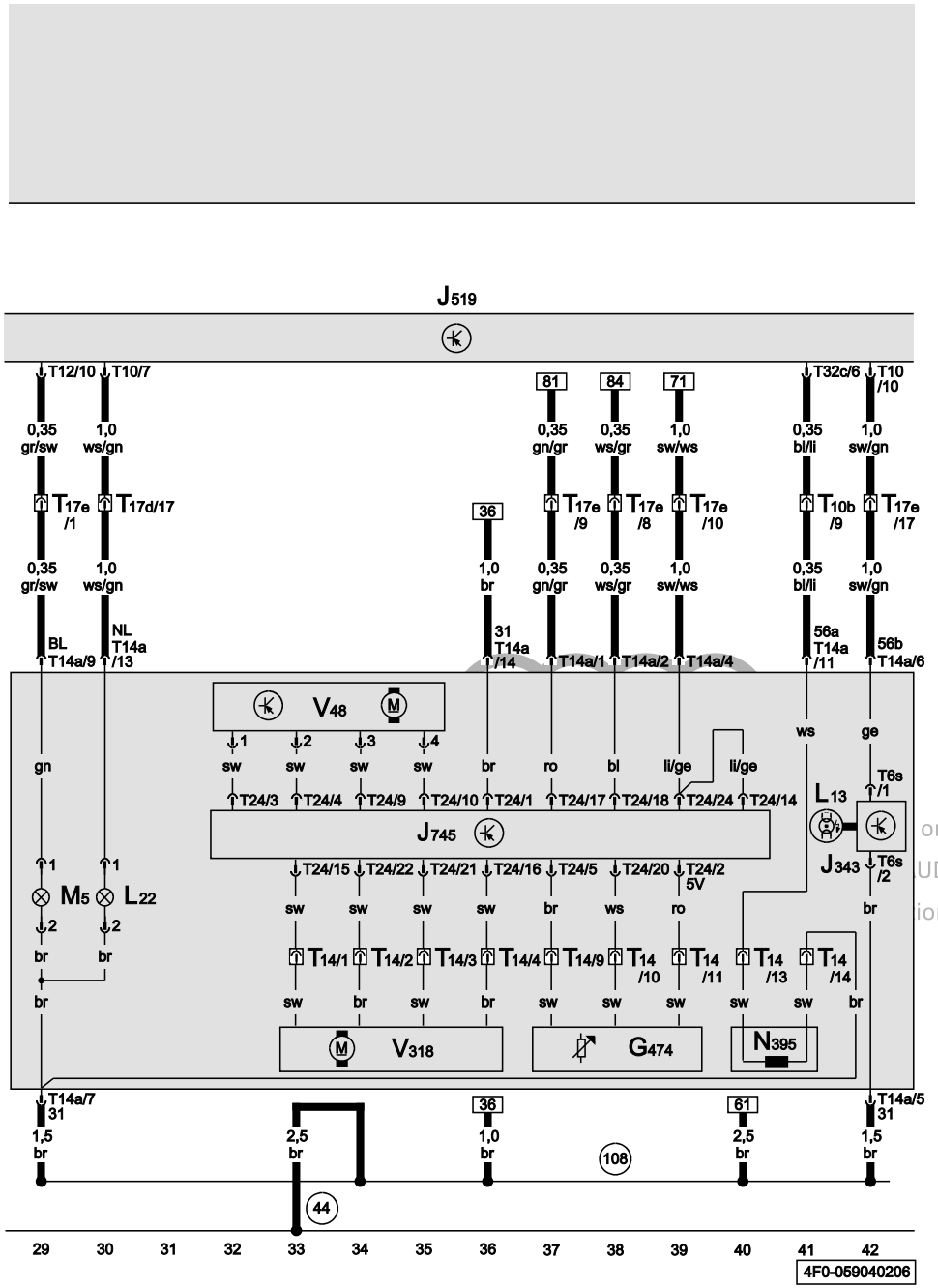


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Light switch

E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
J285	Control unit in dash panel insert
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
T12	12-pin connector, black, connector B, on onboard power supply control unit
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, connector C, on onboard supply control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B475	Connection 11, in main wiring harness
*	models with day driving light
**	models with fog light

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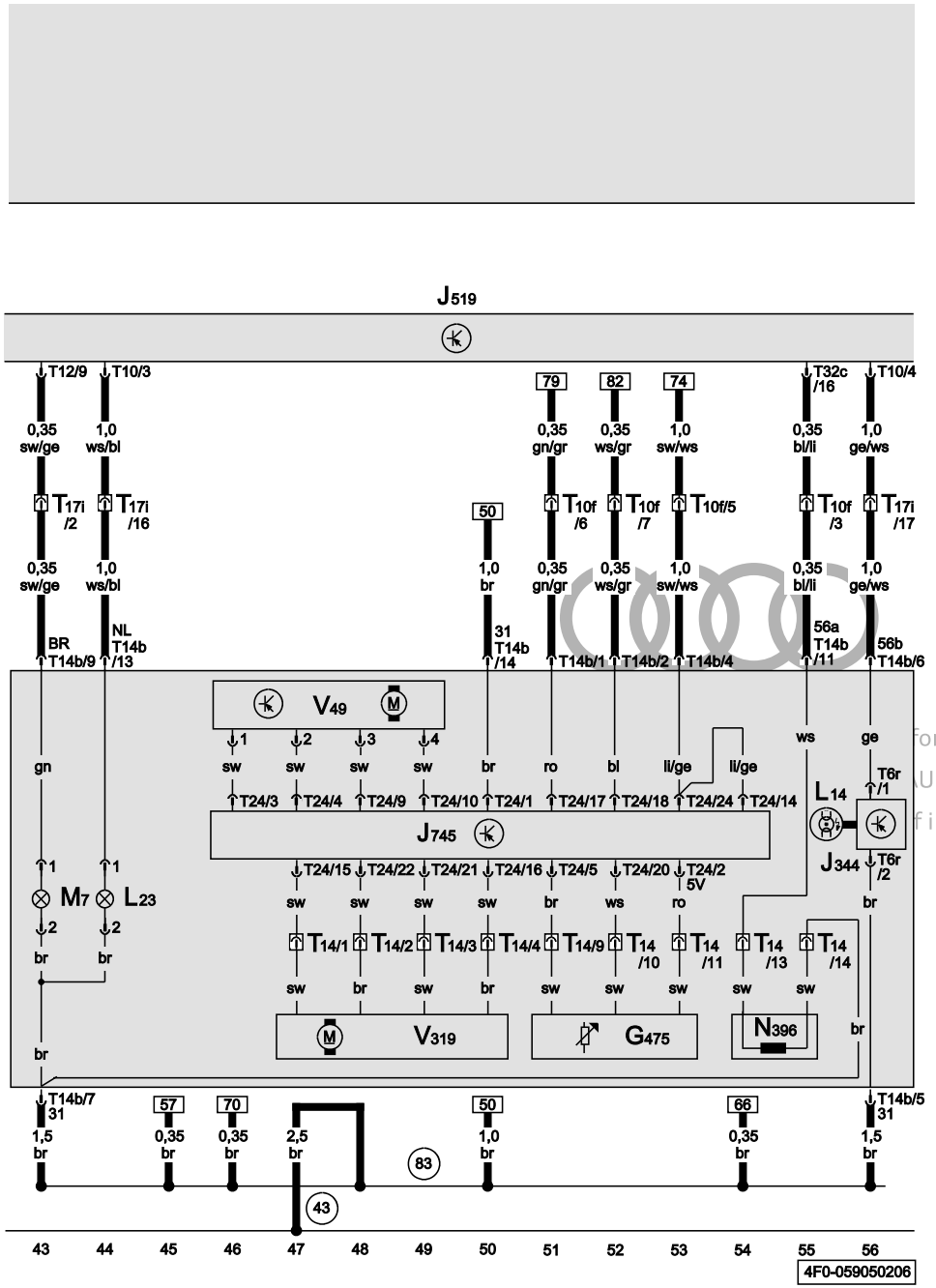
Onboard supply control unit, cornering light and headlight range control unit, left gas discharge (xenon) bulb, left fog light bulb

G474	Left swivel module position sensor
J343	Left gas discharge light control unit
J519	Onboard supply control unit
J745	Cornering light and headlight range control unit
L13	Left gas discharge (xenon) bulb
L22	Left fog light bulb
M5	Front left turn signal bulb
N395	Left headlight screen adjustment solenoid
T6s	6-pin connector, black, on left gas discharge light control unit
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10b	10-pin connector, blue, coupling station on left of A-pillar
T12	12-pin connector, black, connector B, on onboard power supply control unit
T14	14-pin connector, black, in headlight
T14a	14-pin connector, black, on left of headlight
T17d	17-pin connector, black, coupling station on left of A-pillar
T17e	17-pin connector, red, coupling station on left of A-pillar
T24	24-pin connector, white, on cornering light and headlight range control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
V48	Left headlight range control motor
V318	Left dynamic cornering light control motor
44	Earth point, lower part of left A-pillar
108	Earth connection 2, in front left wiring harness

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Onboard supply control unit, cornering light and headlight range control unit, right gas discharge (xenon) bulb, right fog light bulb



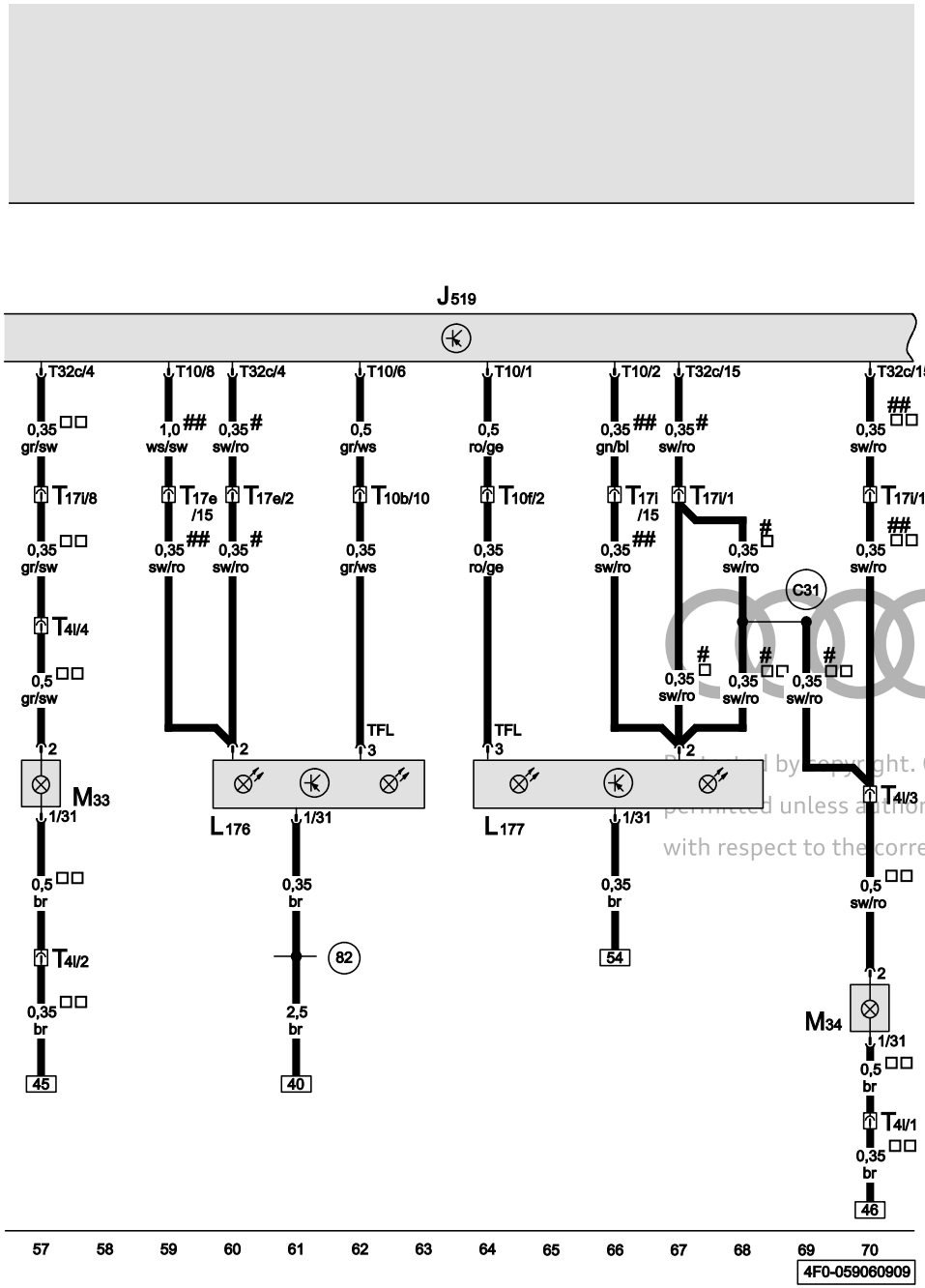
G475 Right swivel module position sensor
J344 Right gas discharge light control unit
J519 Onboard supply control unit
J745 Cornering light and headlight range control unit
L14 Right gas discharge (xenon) bulb
L23 Right fog light bulb
M7 Front right turn signal bulb
N396 Right headlight screen adjustment solenoid
T6r 6-pin connector, black, on right gas discharge light control unit
T10 10-pin connector, black, connector A, on onboard power supply control unit
T10f 10-pin connector, white, coupling station on right of A-pillar
T12 12-pin connector, black, connector B, on onboard power supply control unit
T14 14-pin connector, black, in headlight
T14b 14-pin connector, black, on right of headlight
T17i 17-pin connector, red, coupling station on right of A-pillar
T24 24-pin connector, white, on cornering light and headlight range control unit
T32c 32-pin connector, white, connector C, on onboard supply control unit
V49 Right headlight range control motor
V319 Right dynamic cornering light control motor

43 Earth point, lower part of right A-pillar

83 Earth connection 1, in front right wiring harness

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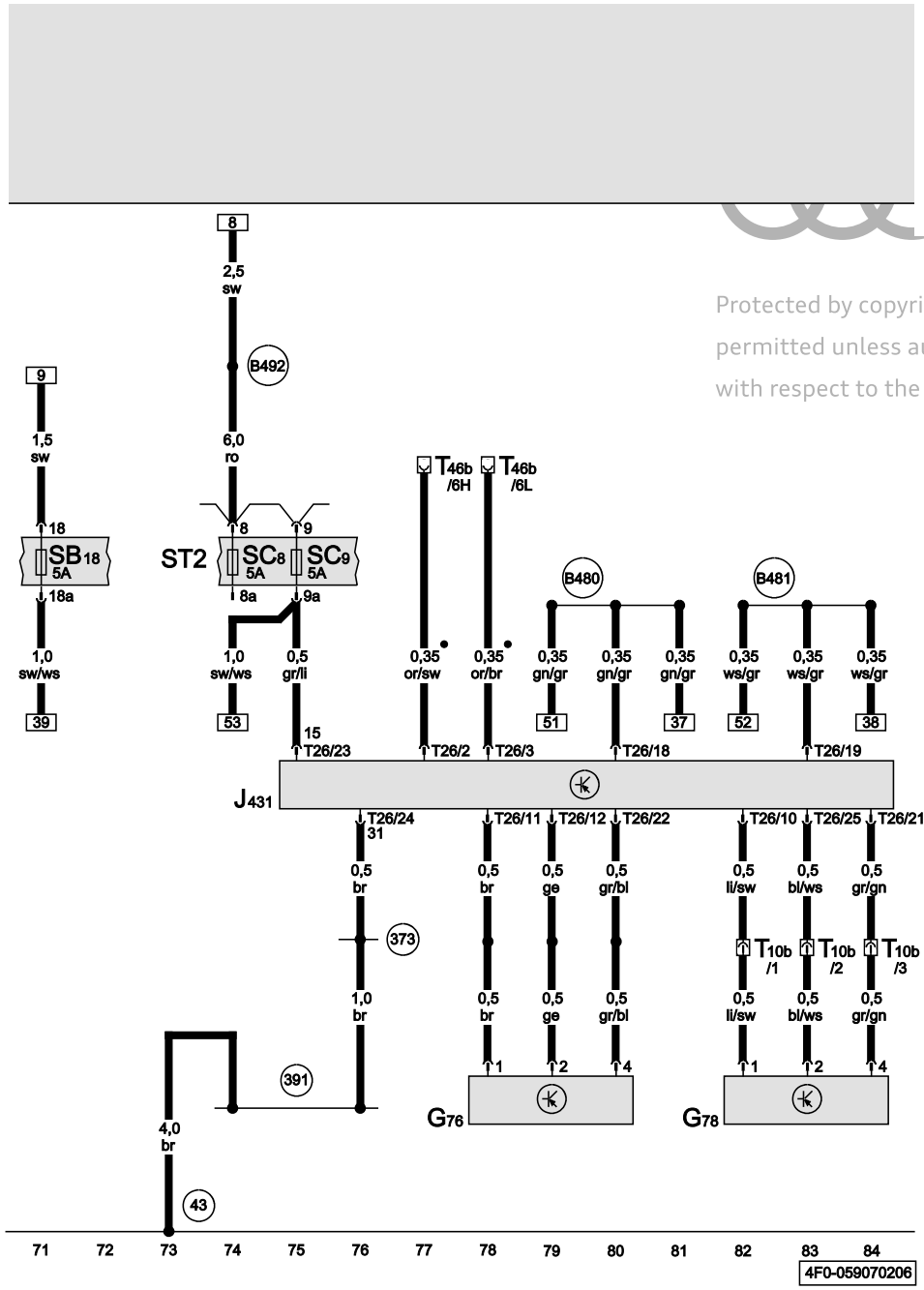


Onboard supply control unit, left LED module for daytime running light and side light, front left and right side marker bulb

J519	Onboard supply control unit
L176	Left LED module for daytime running light and side light
L177	Right LED module for daytime running light and side light
M33	Front left side marker bulb
M34	Front right side marker bulb
T4l	4-pin connector, black, in front right engine compartment
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10b	10-pin connector, blue, coupling station on left of A-pillar
T10f	10-pin connector, white, coupling station on right of A-pillar
T17e	17-pin connector, red, coupling station on left of A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit
82	Earth connection 1, in front left wiring harness
C31	Connection 3, in headlight wiring harness
*	not USA
**	only USA
#	up to October 2005
##	from November 2005

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Control unit for headlight range control, rear left vehicle level sender, front left vehicle level sender

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J431	Headlight range control, control unit
SB18	Fuse 18 on fuse holder
SC8	Fuse 8 on fuse holder
SC9	Fuse 9 on fuse holder
T10b	10-pin connector, blue, coupling station on left of A-pillar
T26	26-pin connector, black, on headlight range control, control unit
T46b	46-pin connector, CAN disconnector right
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B480	Connection 16, in main wiring harness
B481	Connection 17, in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)

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Basic equipment

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

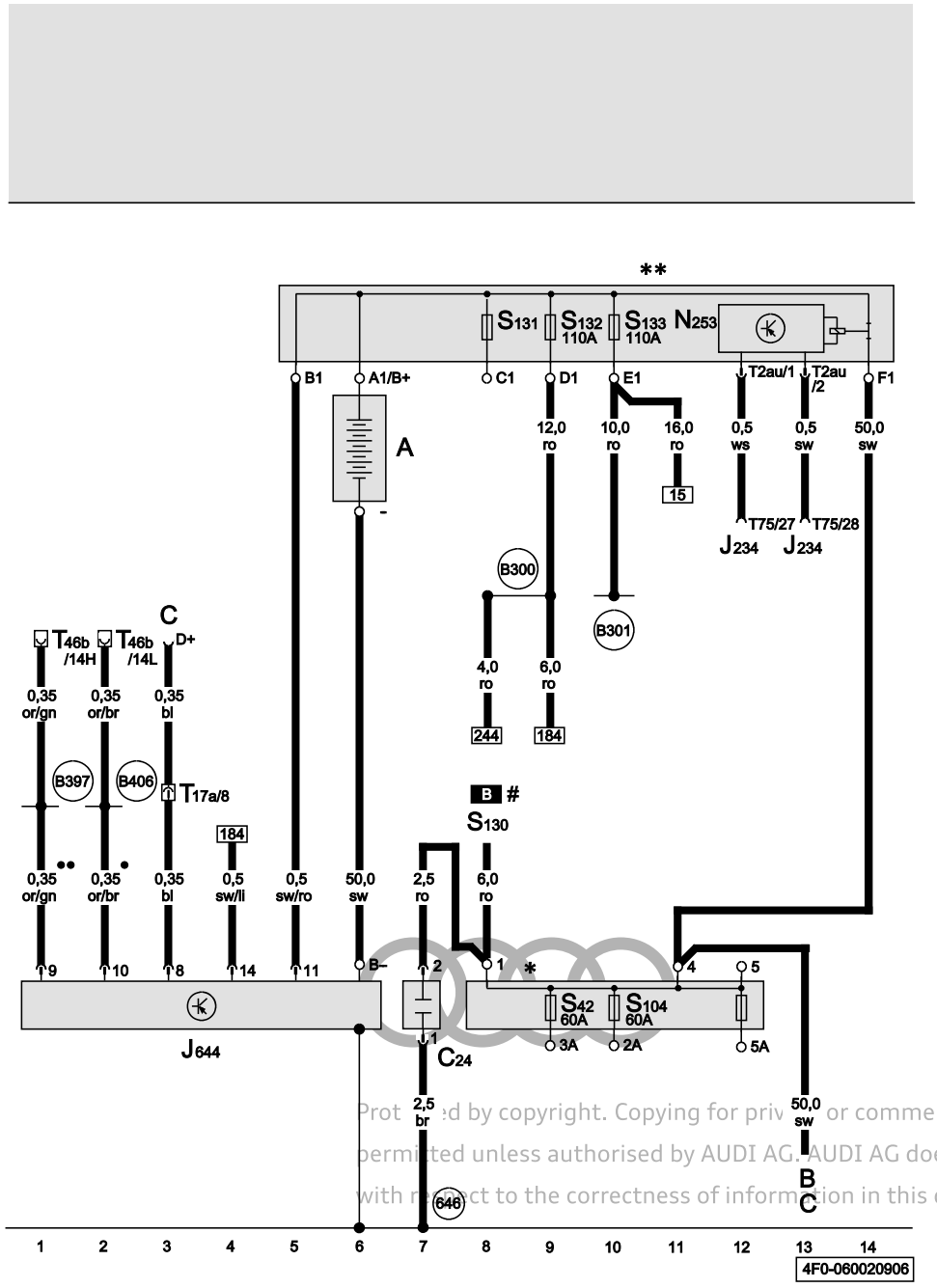
For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Battery, energy management control unit, suppression filter



A	Battery
B	Starter
C	Alternator
C24	Suppression filter
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
S130	Secondary air pump fuse
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
646	Earth point 2, on bulkhead
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	Main fuse carrier electronics box right in plenum chamber
**	main fuse box, in luggage compartment, rear right, on the battery
#	models with secondary air pump

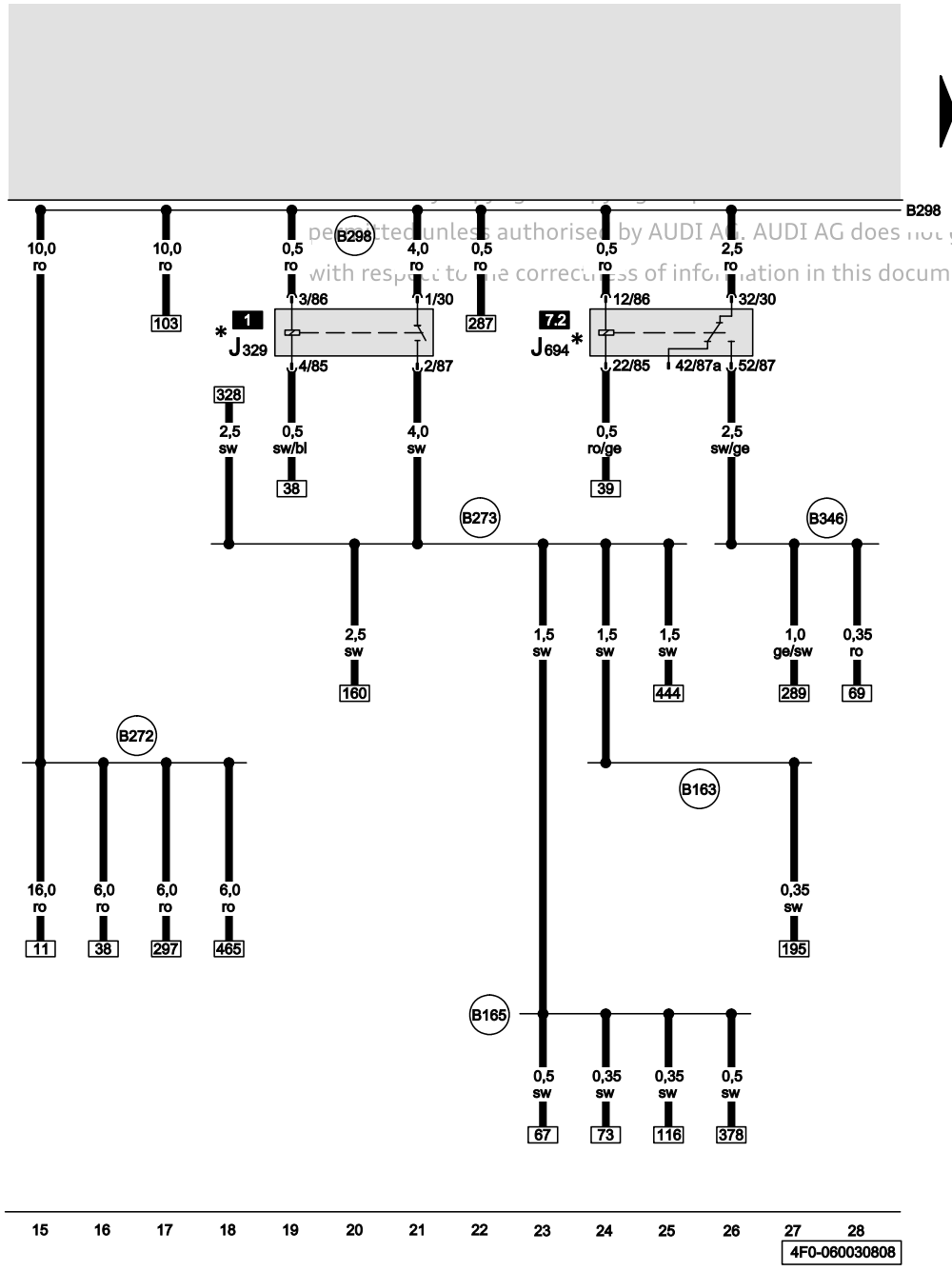
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Terminal 15 voltage supply relay, terminal 75x voltage supply relay

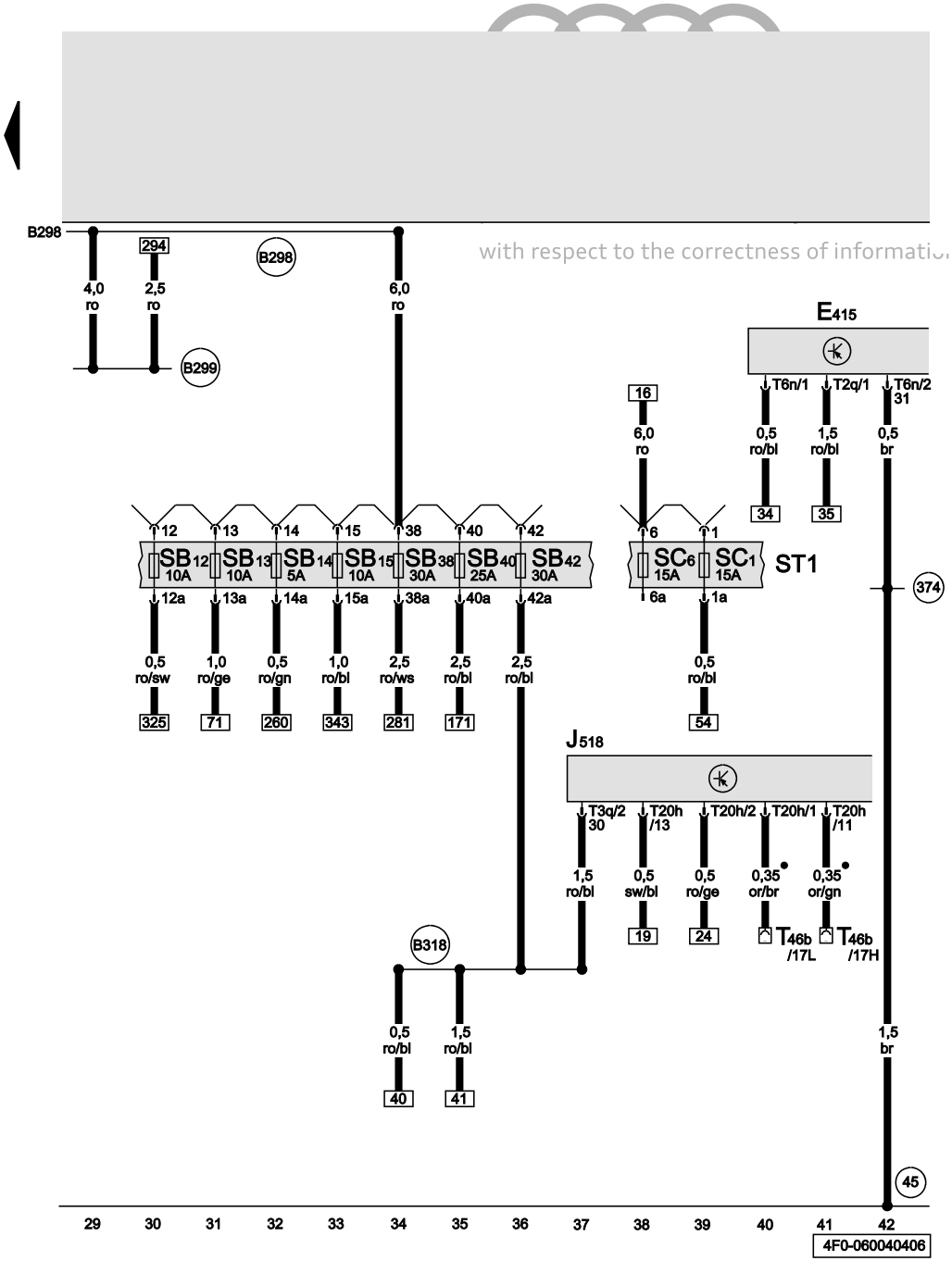
J329 Terminal 15 voltage supply relay
J694 Terminal 75x voltage supply relay

B163 Positive connection 1 (15), in interior wiring harness
B165 Positive connection 2 (15), in interior wiring harness
B272 Positive connection (30), in main wiring harness
B273 Positive connection (15), in main wiring harness
B298 Positive connection 2 (30), in main wiring harness
B346 Connection 1 (75), in main wiring harness
* 9-point relay carrier, behind driver storage compartment



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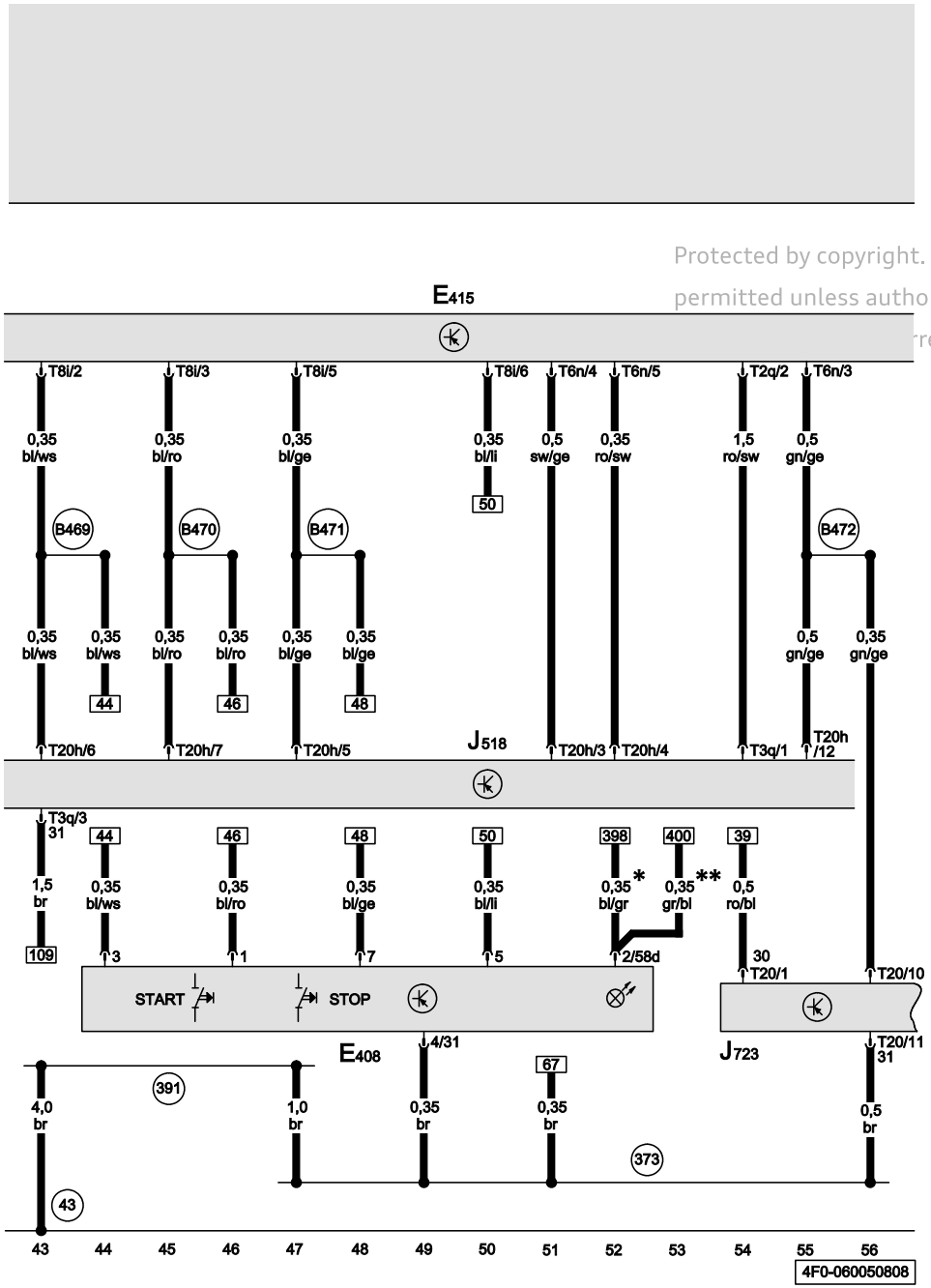


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Entry and start authorisation switch, entry and start authorisation control unit, fuses

E415	Entry and start authorisation switch
J518	Entry and start authorisation control unit
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
SB38	Fuse 38 on fuse holder B
SB40	Fuse 40 on fuse holder B
SB42	Fuse 42 on fuse holder B
SC1	Fuse 1 on fuse holder C
SC6	Fuse 6 on fuse holder C
T2q	2-pin connector, black, connector C, on entry and start authorisation switch
T3q	3-pin connector, black, connector B, on entry and start authorisation control unit
T6n	6-pin connector, black, connector B, on entry and start authorisation switch
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46b	46-pin connector, CAN separating connector right
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
•	CAN bus (data wire)

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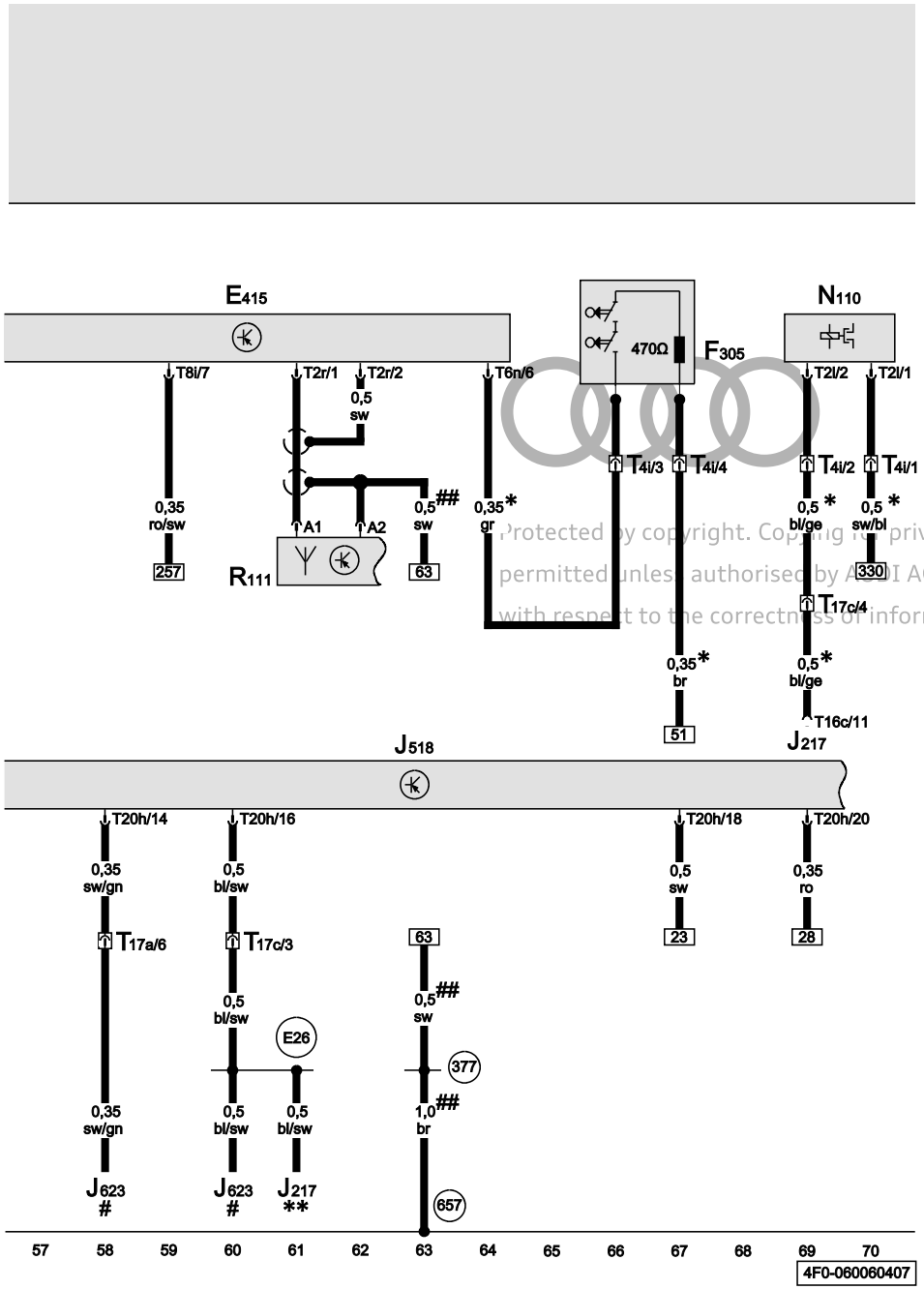


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Entry and start authorisation switch, entry and start authorisation control unit, entry and start authorisation button

E408	Entry and start authorisation button
E415	Entry and start authorisation switch
J518	Entry and start authorisation control unit
J723	Aerial reader unit for keyless entry system
T2q	2-pin connector, black, connector C, on entry and start authorisation switch
T3q	3-pin connector, black, connector B, on entry and start authorisation control unit
T6n	6-pin connector, black, connector B, on entry and start authorisation switch
T8i	8-pin connector, black, connector A, on entry and start authorisation switch
T20	20-pin connector, red, on aerial reader unit for keyless entry system
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B469	Connection 5 in main wiring harness
B470	Connection 6 in main wiring harness
B471	Connection 7 in main wiring harness
B472	Connection 8 in main wiring harness
*	models with manual gearbox
**	models with automatic gearbox

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Entry and start authorisation switch, entry and start authorisation control unit

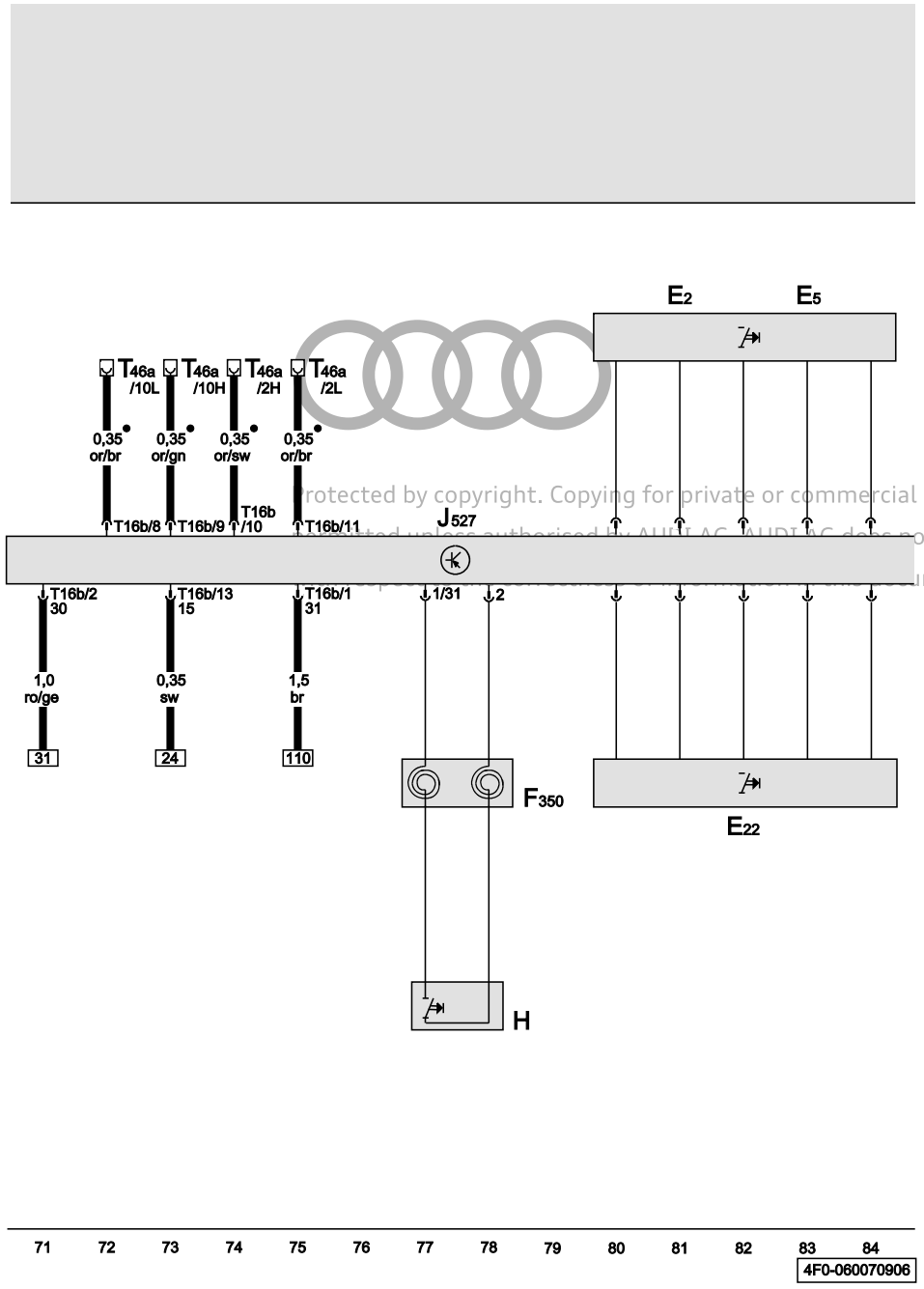
E415	Entry and start authorisation switch
F305	Gear selector position P switch
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
N110	Selector lever lock solenoid
R111	Aerial amplifier 2
T2l	2-pin connector, black, on selector lever lock solenoid
T2r	2-pin connector, connector D, on entry and start authorisation switch
T4i	4-pin connector, black, in centre console on selector lever console
T6n	6-pin connector, black, connector B, on entry and start authorisation switch
T8i	8-pin connector, black, connector A, on entry and start authorisation switch
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
377	Earth connection 12, in main wiring harness
657	Earth point 1, on left near rear window
E26	Connection selector lever lock, in Motronic wiring harness
*	models with automatic gearbox 09L
**	⇒ automatic gearbox Current Flow Diagram
#	⇒ Engine Current Flow Diagram
##	from June 2007

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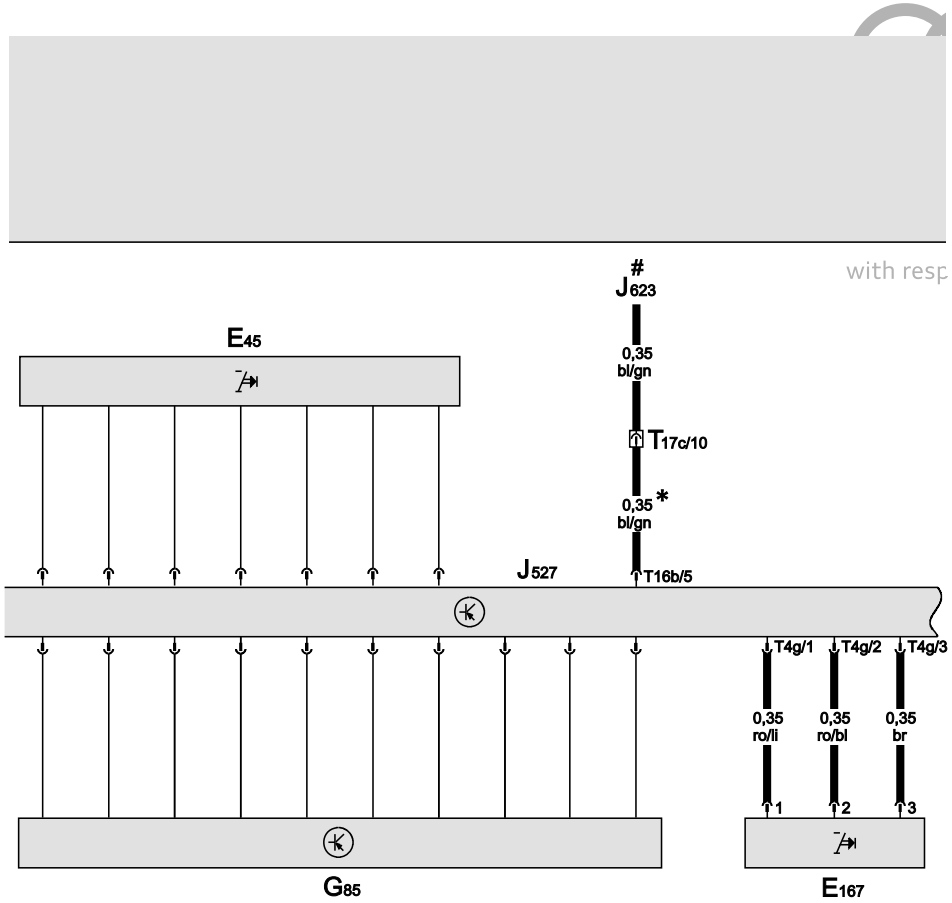
Steering column electronics control unit, horn plate, intermittent wiper switch, turn signal switch, headlight flasher switch

E2	Turn signal switch
E5	Headlight flasher switch
E22	Intermittent wiper switch
F350	Coil connector
H	Horn plate
J527	Steering column electronics control unit
T16b	16-pin connector, behind steering column switch trim
T46a	46-pin connector, CAN separating connector left
•	CAN bus (data wire)



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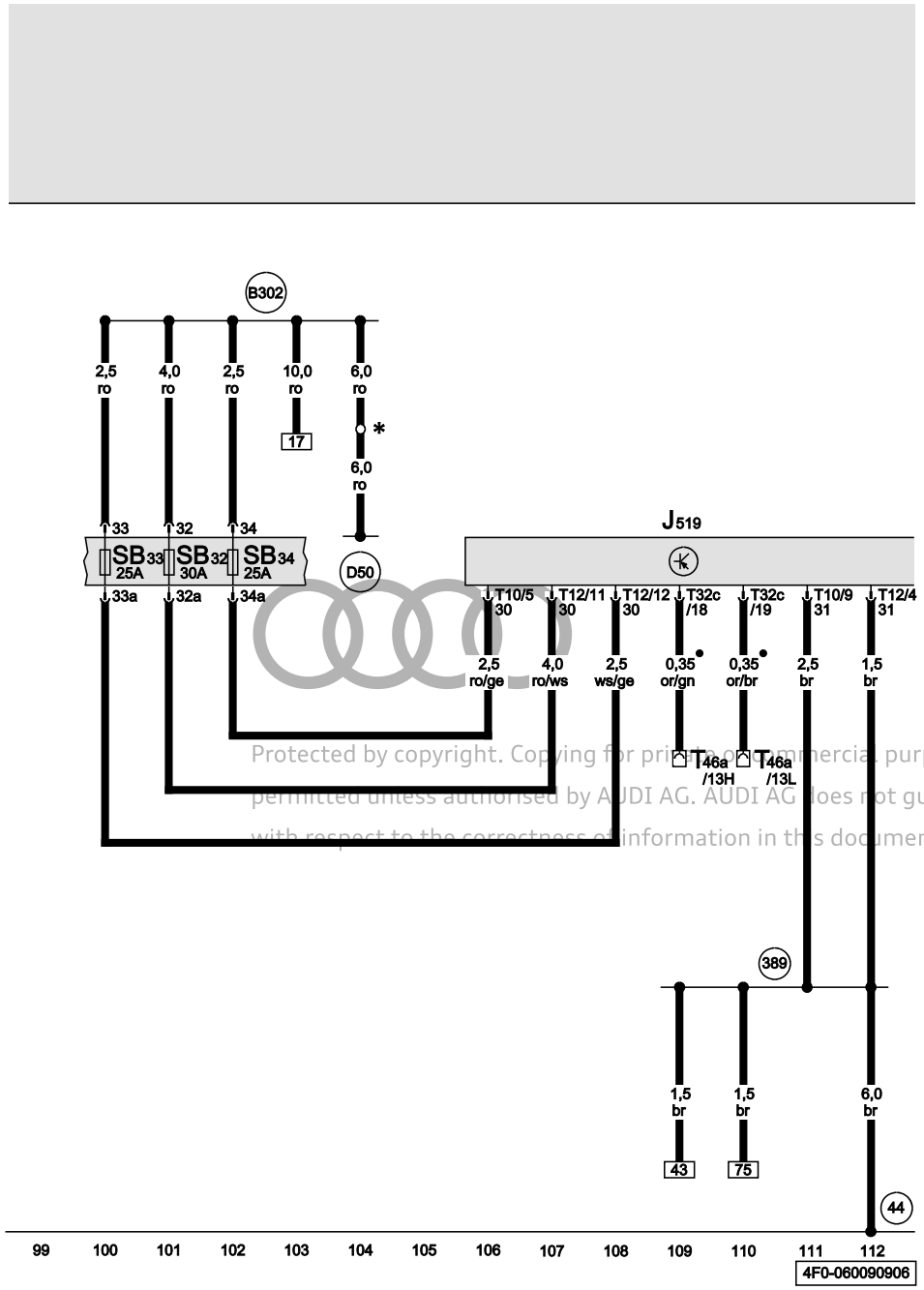


Steering column electronics control unit, cruise control system switch, steering angle sender

E45	Cruise control system switch
E167	Steering column adjustment switch
G85	Steering angle sender
J527	Steering column electronics control unit
J623	Engine control unit
T4g	4-pin connector, black, behind steering column switch trim
T16b	16-pin connector, behind steering column switch trim
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
*	models with cruise control system
#	⇒ Engine Current Flow Diagram

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Onboard power supply control unit, fuses

J519	Onboard supply control unit
SB32	Fuse 32 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB34	Fuse 34 on fuse holder B
T10	10-pin connector, black, connector A, on onboard power supply control unit
T12	12-pin connector, black, connector B, on onboard power supply control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T46a	46-pin connector, CAN separating connector left
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
•	CAN bus (data wire)
*	Screw connection in electronics box left in plenum chamber

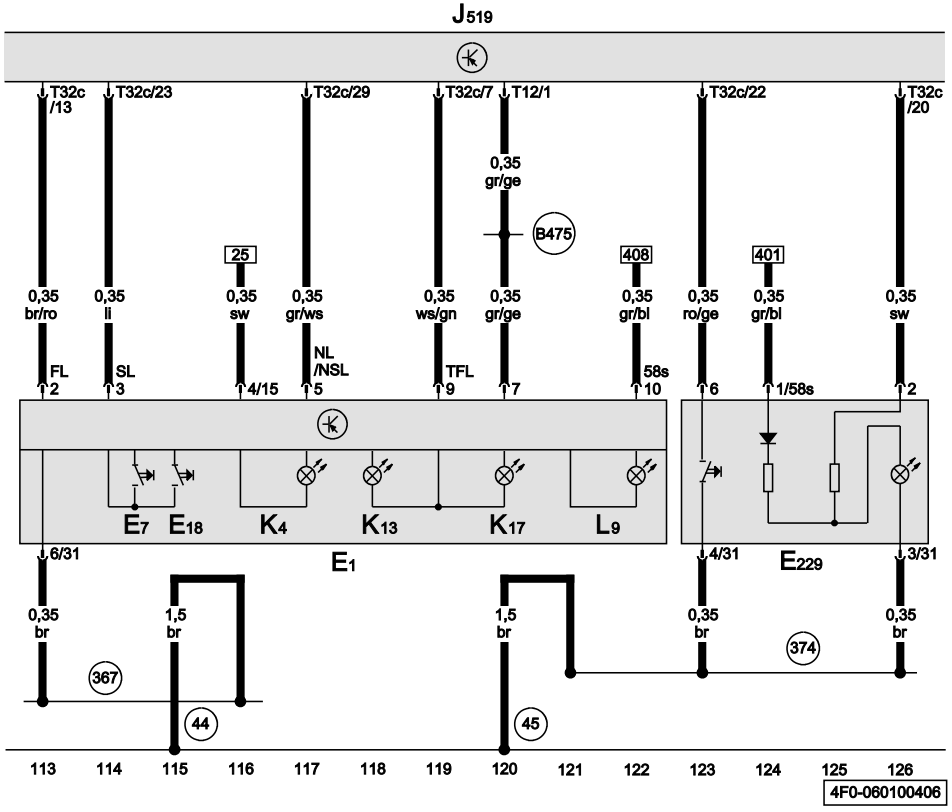
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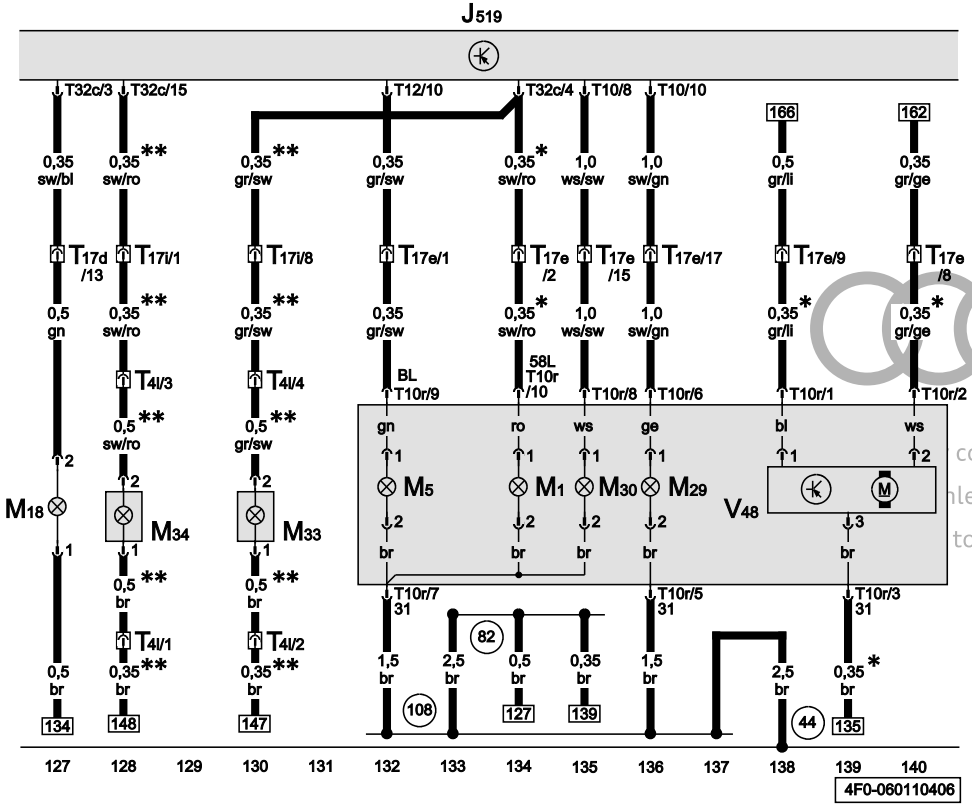
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Onboard supply control unit, light switch, hazard warning lights button

E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
E229	Hazard warning lights button
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
T12	12-pin connector, black, connector B, on onboard power supply control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
374	Earth connection 9, in main wiring harness
B475	Connection 11 in main wiring harness



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Onboard supply control unit, left headlight

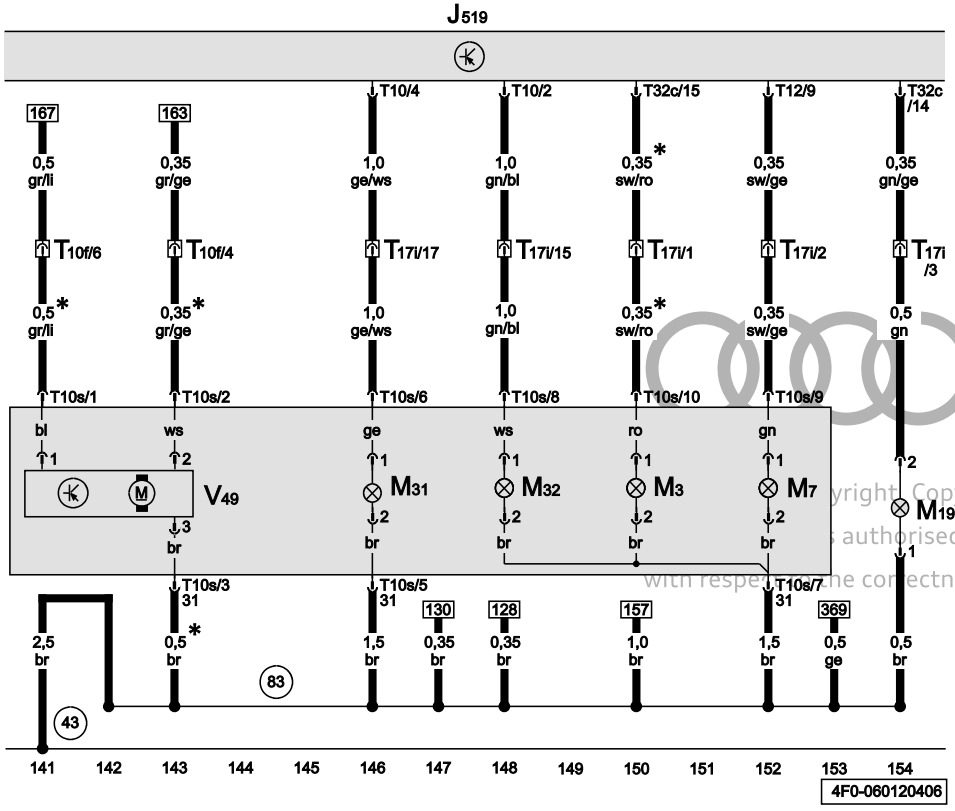
J519	Onboard supply control unit
M1	Left side light bulb
M5	Front left turn signal bulb
M18	Left side mounted turn signal bulb
M29	Left dipped beam bulb
M30	Left main beam bulb
M33	Front left side marker bulb
M34	Front right side marker bulb
T4l	4-pin connector, black, in front right engine compartment
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10r	10-pin connector, black, on left of headlight
T12	12-pin connector, black, connector B, on onboard power supply control unit
T17d	17-pin connector, black, coupling station on left of A-pillar
T17e	17-pin connector, red, coupling station on left of A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit
V48	Left headlight range control motor
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
*	not USA
**	only USA

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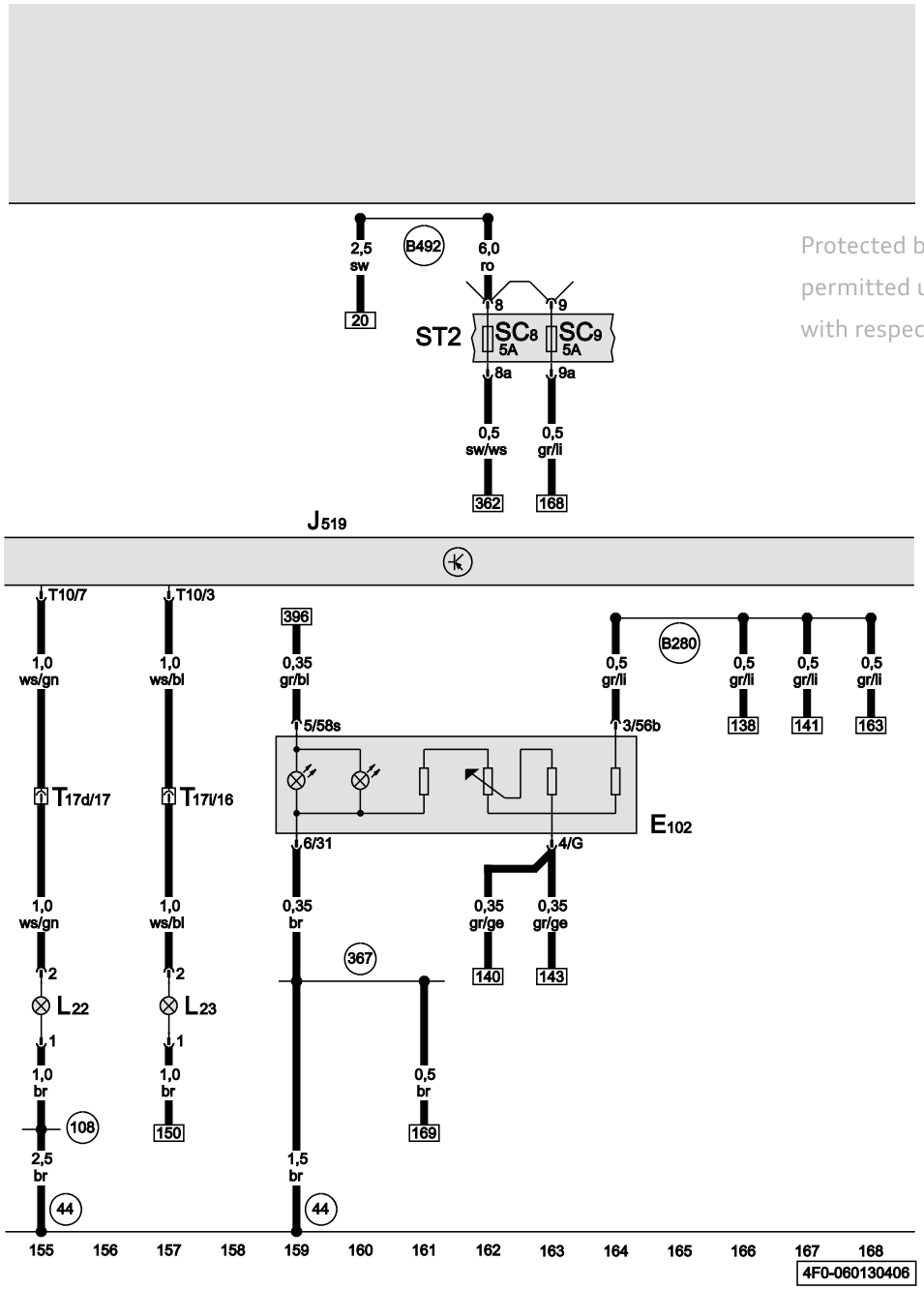
Onboard supply control unit, right headlight

J519	Onboard supply control unit
M3	Right side light bulb
M7	Front right turn signal bulb
M19	Right side mounted turn signal bulb
M31	Right dipped beam bulb
M32	Right main beam bulb
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10f	10-pin connector, white, coupling station on right of A-pillar
T10s	10-pin connector, black, on right of headlight
T12	12-pin connector, black, connector B, on onboard power supply control unit
T17i	17-pin connector, red, coupling station on right of A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit
V49	Right headlight range control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	not USA



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Onboard supply control unit, fog light bulb, headlight range control regulator

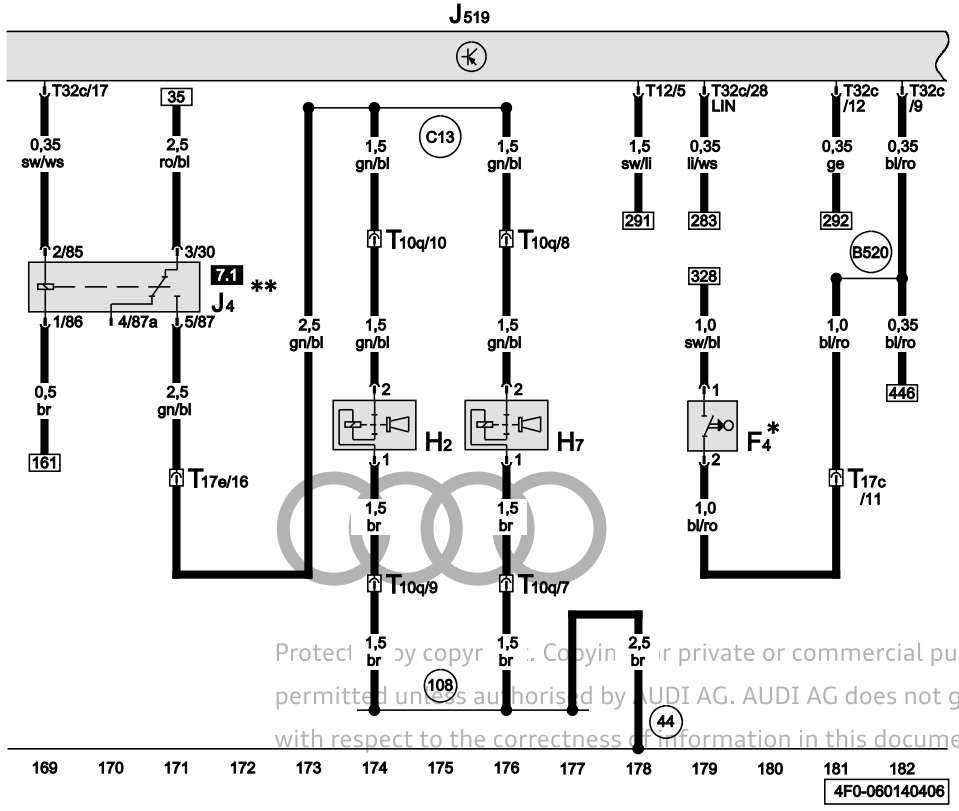
E102	Headlight range control regulator
J519	Onboard supply control unit
L22	Left fog light bulb
L23	Right fog light bulb
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
T10	10-pin connector, black, connector A, on onboard power supply control unit
T17d	17-pin connector, black, coupling station on left of A-pillar
T17l	17-pin connector, red, coupling station on right of A-pillar
44	Earth point, lower part of left A-pillar
108	Earth connection 2, in front left wiring harness
367	Earth connection 2, in main wiring harness
B280	Positive connection 4 (15a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness

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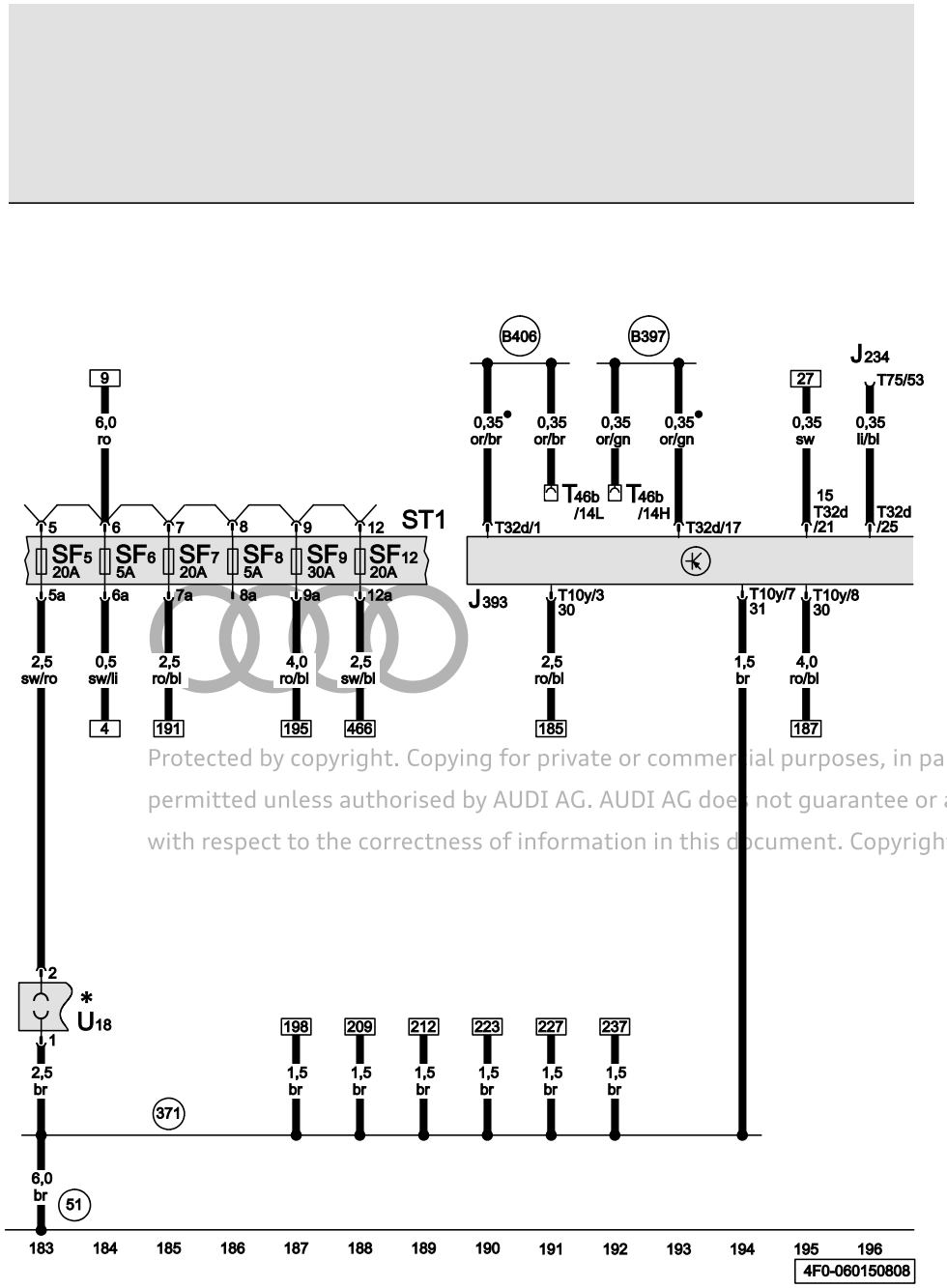
Onboard supply control unit, treble tone horn, bass tone horn, dual tone horn relay, reversing light switch

F4	Reversing light switch
H2	Treble tone horn
H7	Bass tone horn
J4	Dual tone horn relay
J519	Onboard supply control unit
T10q	10-pin connector, black, near left headlight
T12	12-pin connector, black, connector B, on onboard power supply control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17e	17-pin connector, red, coupling station on left of A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit
44	Earth point, lower part of left A-pillar
108	Earth connection 2, in front left wiring harness
B520	Connection (RL), in main wiring harness
C13	Positive connection in dual tone horn wiring harness
*	models with manual gearbox
**	9-point relay carrier, behind driver storage compartment



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Convenience system central control unit, fuses

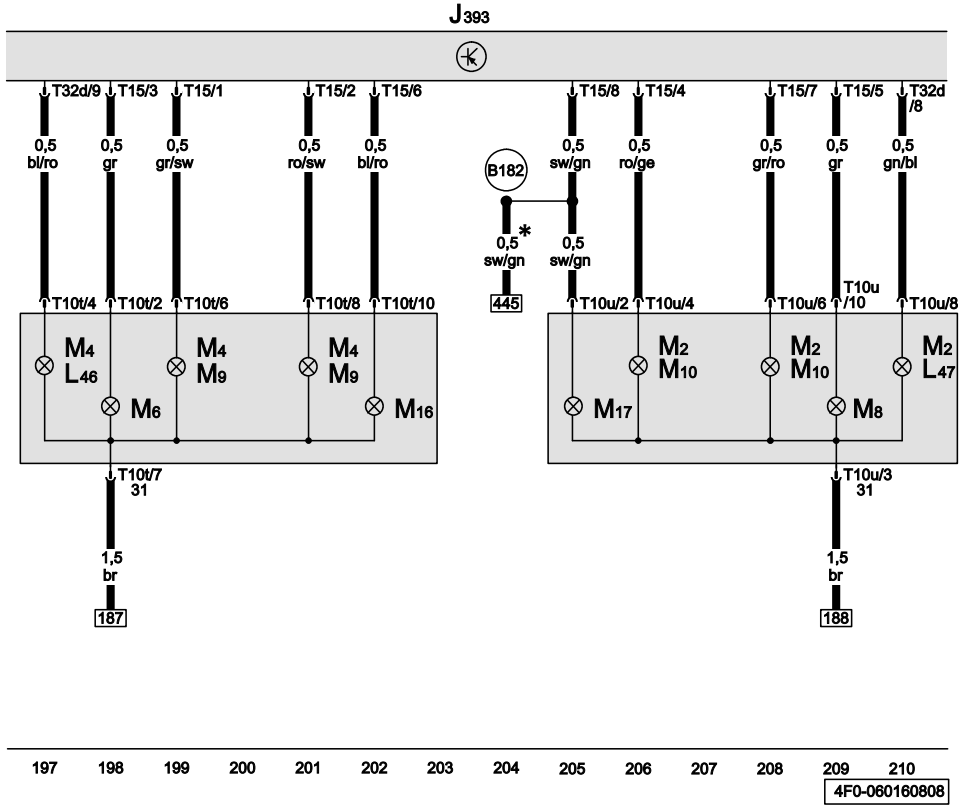
J234	Airbag control unit
J393	Convenience system central control unit
SF5	Fuse 5 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
SF8	Fuse 8 on fuse holder F
SF9	Fuse 9 on fuse holder F
SF12	Fuse 12 on fuse holder F
T10y	10-pin connector, black, connector C, on convenience system control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
U18	12 V socket 2
51	Earth point, on right in luggage compartment
371	Earth connection 6, 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
•	CAN bus (data wire)
*	models with 12 V socket 2

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Convenience system central control unit, left tail light and right Lowline

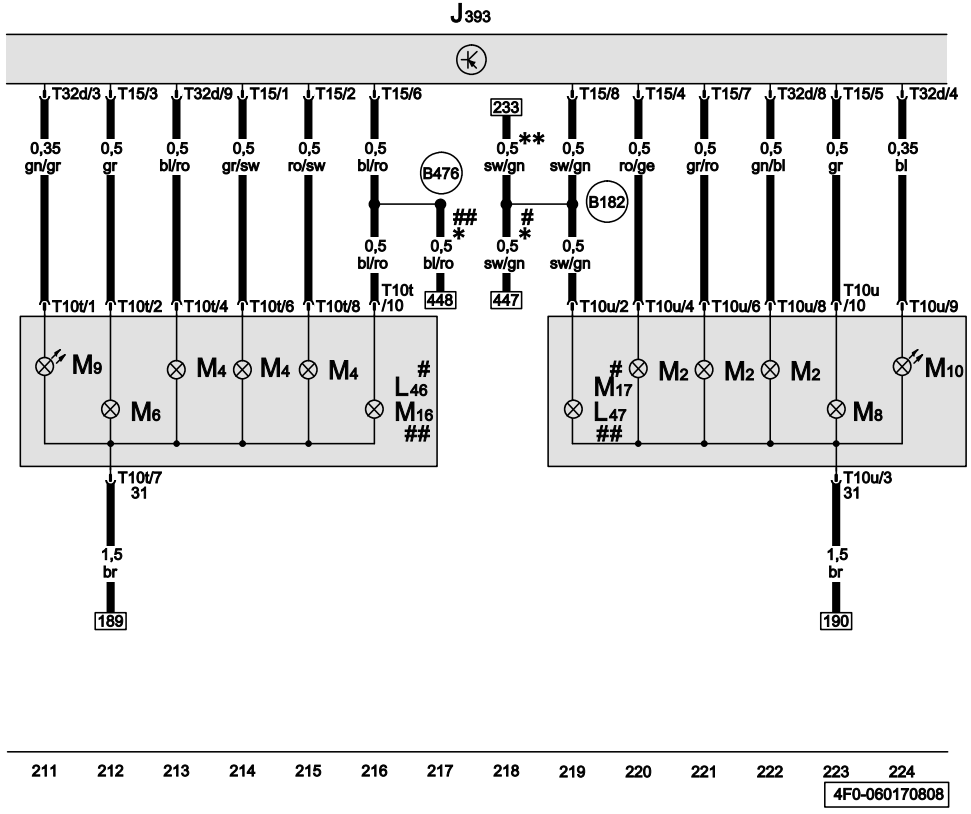
J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M2	Right tail light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M9	Left brake light bulb
M10	Right brake light bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
T10t	10-pin connector, black, on left rear fog light
T10u	10-pin connector, black, on right rear fog light
T15	15-pin connector, brown, connector A, on convenience system central control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
B182	Connection (RL), in interior wiring harness
*	models with automatic gearbox

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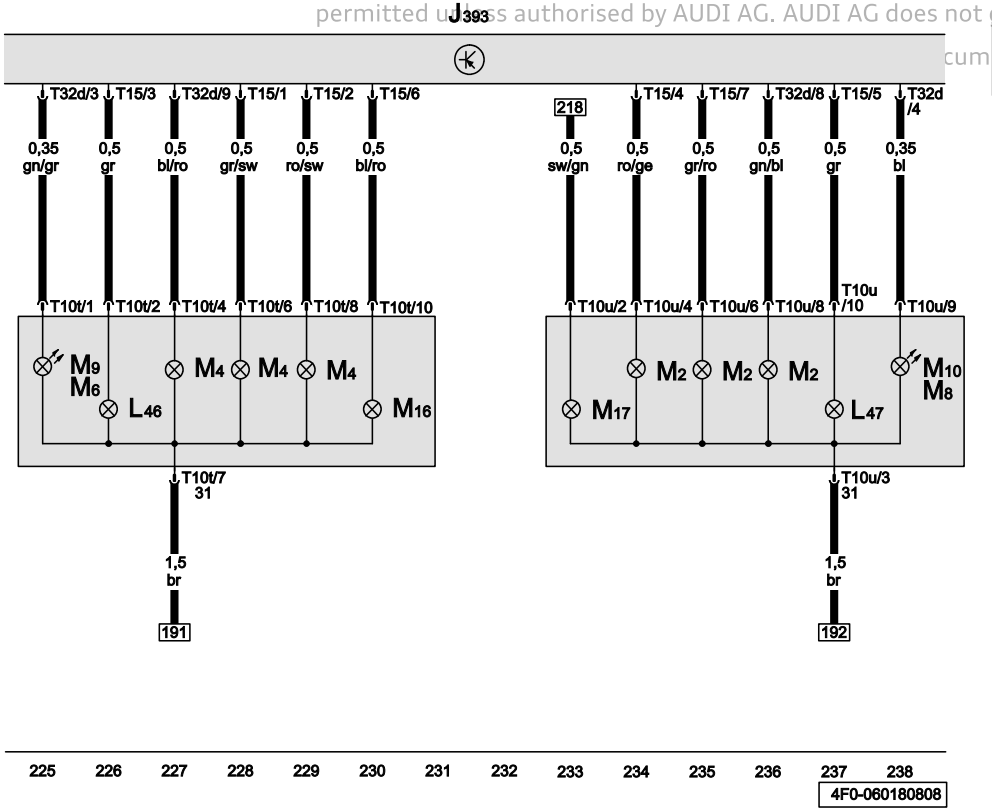
Convenience system central control unit, left tail light and right Highline

J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M2	Right tail light bulb
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
M16	Left reversing light bulb
M17	Right reversing light bulb
T10t	10-pin connector, black, on left rear fog light
T10u	10-pin connector, black, on right rear fog light
T15	15-pin connector, brown, connector A, on convenience system central control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
B182	Connection (RL), in interior wiring harness
B476	Connection 12 in main wiring harness
*	models with automatic gearbox
**	USA
#	not Japan
##	only Japan

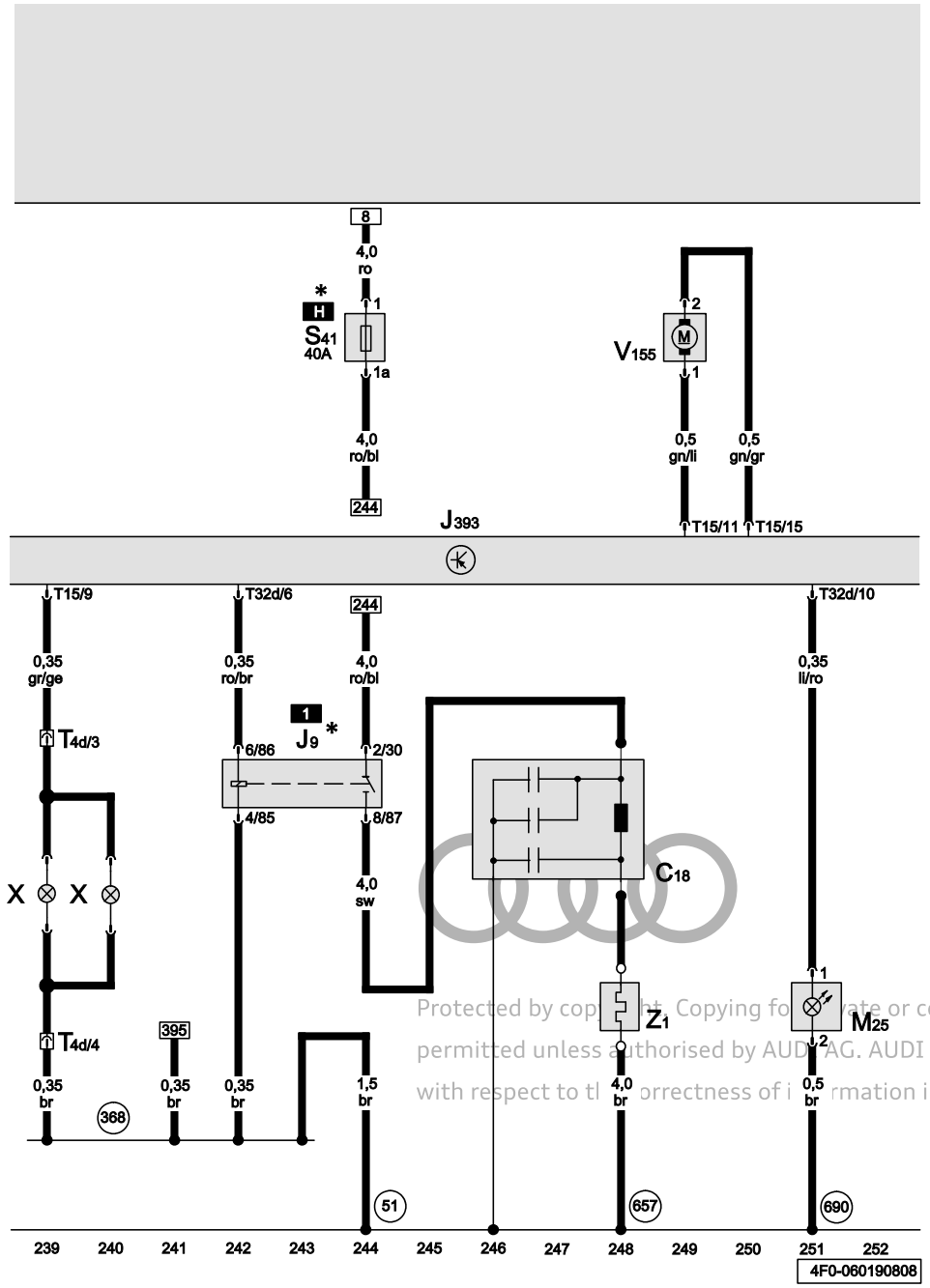
Convenience system central control unit, left tail light and right Highline USA

J393	Convenience system central control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M2	Right tail light bulb
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
M16	Left reversing light bulb
M17	Right reversing light bulb
T10t	10-pin connector, black, on left rear fog light
T10u	10-pin connector, black, on right rear fog light
T15	15-pin connector, brown, connector A, on convenience system central control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit

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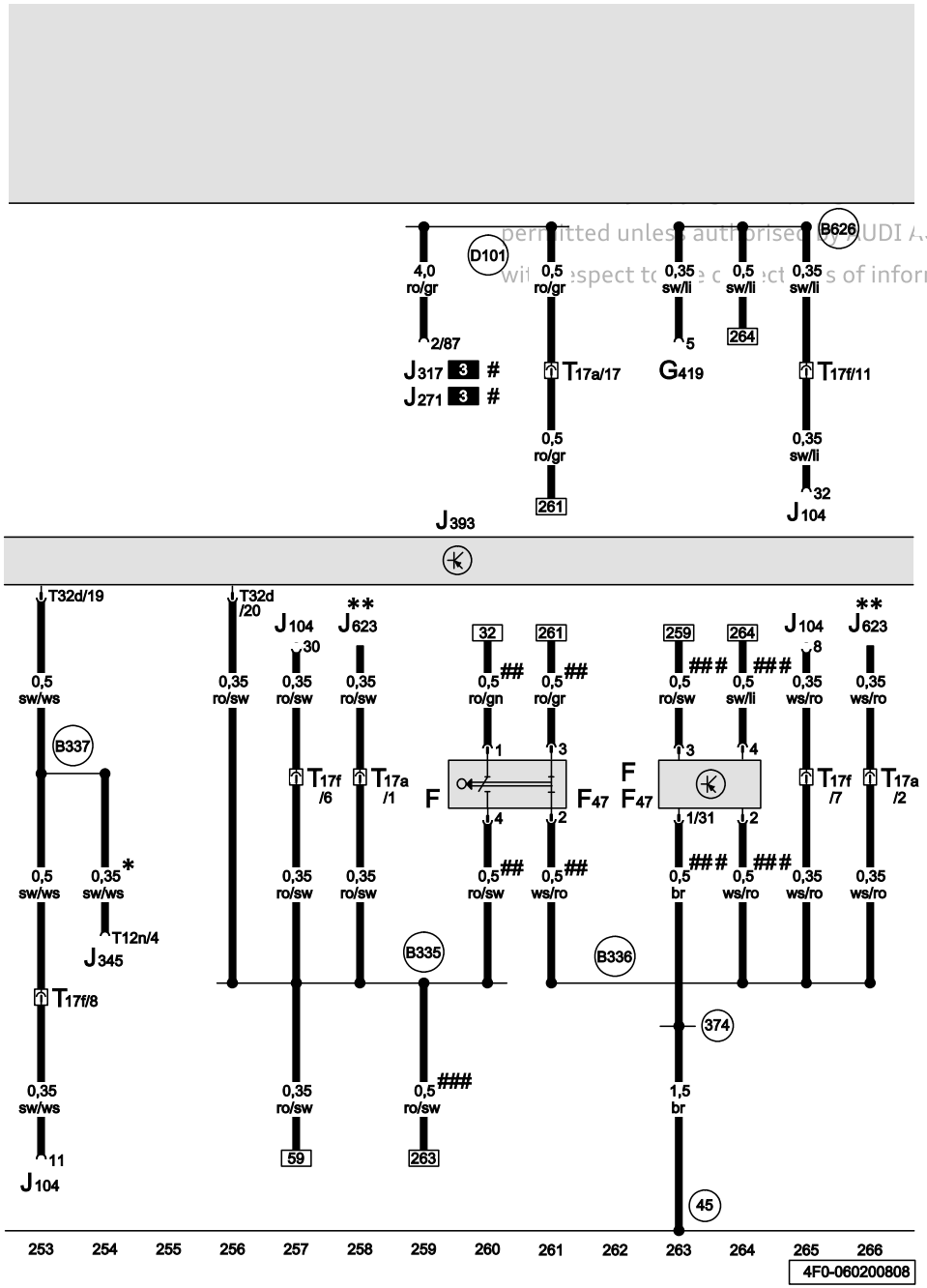


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Convenience system central control unit, number plate light, heated rear window relay, high level brake light bulb, heated rear window, tank filler flap locking motor

C18	Window aerial suppression filter
J9	Heated rear window relay
J393	Convenience system central control unit
M25	High level brake light bulb
S41	Heated rear window fuse
T4d	4-pin connector, black, rear lid
T15	15-pin connector, brown, connector A, on convenience system central control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V155	Tank filler flap locking motor
X	Number plate light
Z1	Heated rear window
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
657	Earth point 1, on left near rear window
690	Earth point, rear centre roof frame
*	Fuse and relay carrier right in luggage compartment

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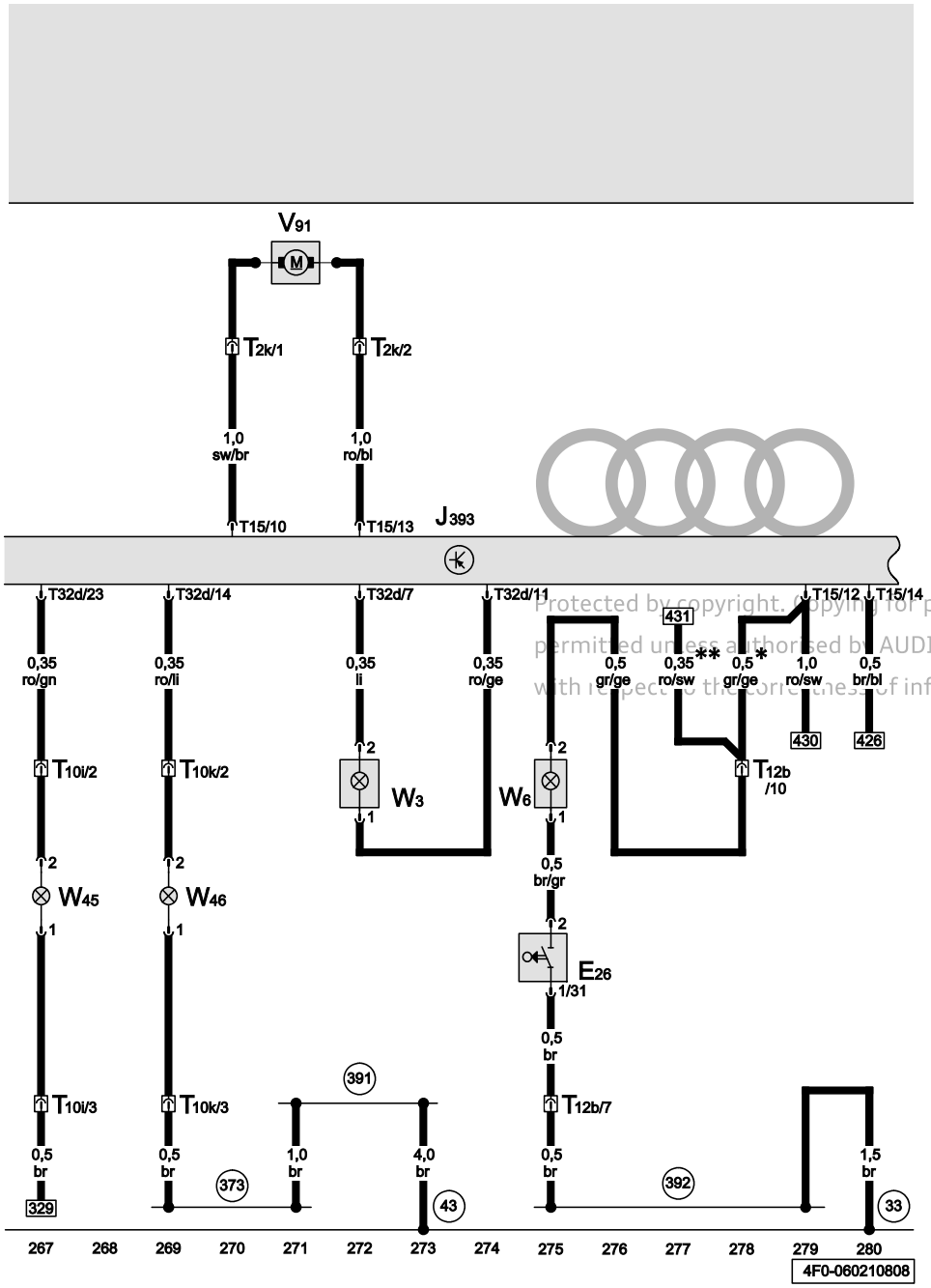
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Convenience system central control unit, brake light switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J271	Motronic current supply relay
J317	Terminal 30 voltage supply relay
J345	Trailer detector control unit
J393	Convenience system central control unit
J623	Engine control unit
T12n	12-pin connector, red, connector B, on trailer detector control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B337	Connection 3 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
D101	Connection 1, in engine compartment wiring harness
*	models with trailer towing attachment
**	⇒ Engine Current Flow Diagram
#	Relay carrier electronics box left in plenum chamber
##	up to May 2007
###	from June 2007

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Convenience system central control unit, luggage compartment light, rear left and right footwell light, glove compartment light switch, glove compartment light, rear roller blind motor



E26 Glove compartment light switch
J393 Convenience system central control unit
T2k 2-pin connector, black, left of D-pillar
T10i 10-pin connector, red, on left of seat cross member
T10k 10-pin connector, red, on right of seat cross member
T12b 12-pin connector, black, on right behind dash panel
T15 15-pin connector, brown, connector A, on convenience system central control unit
T32d 32-pin connector, blue, connector B, on convenience system central control unit
V91 Rear roller blind motor
W3 Luggage compartment light
W6 Glove compartment light
W45 Rear left footwell light
W46 Rear right footwell light

(43) Earth point, lower part of right A-pillar

(373) Earth connection 8, in main wiring harness

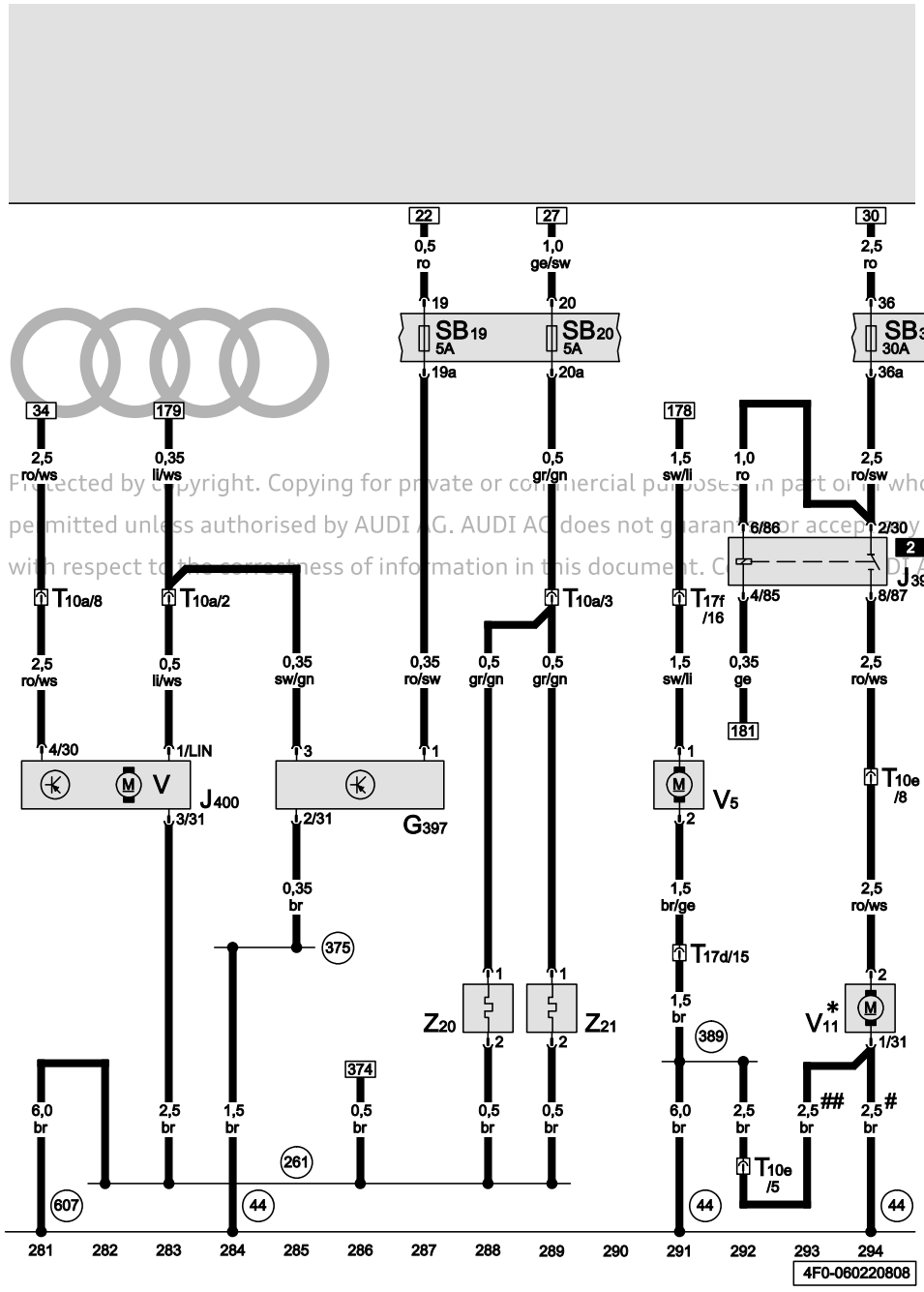
(391) Earth connection 26, in main wiring harness

(392) Earth connection 27, in main wiring harness

* up to May 2007
** from June 2007

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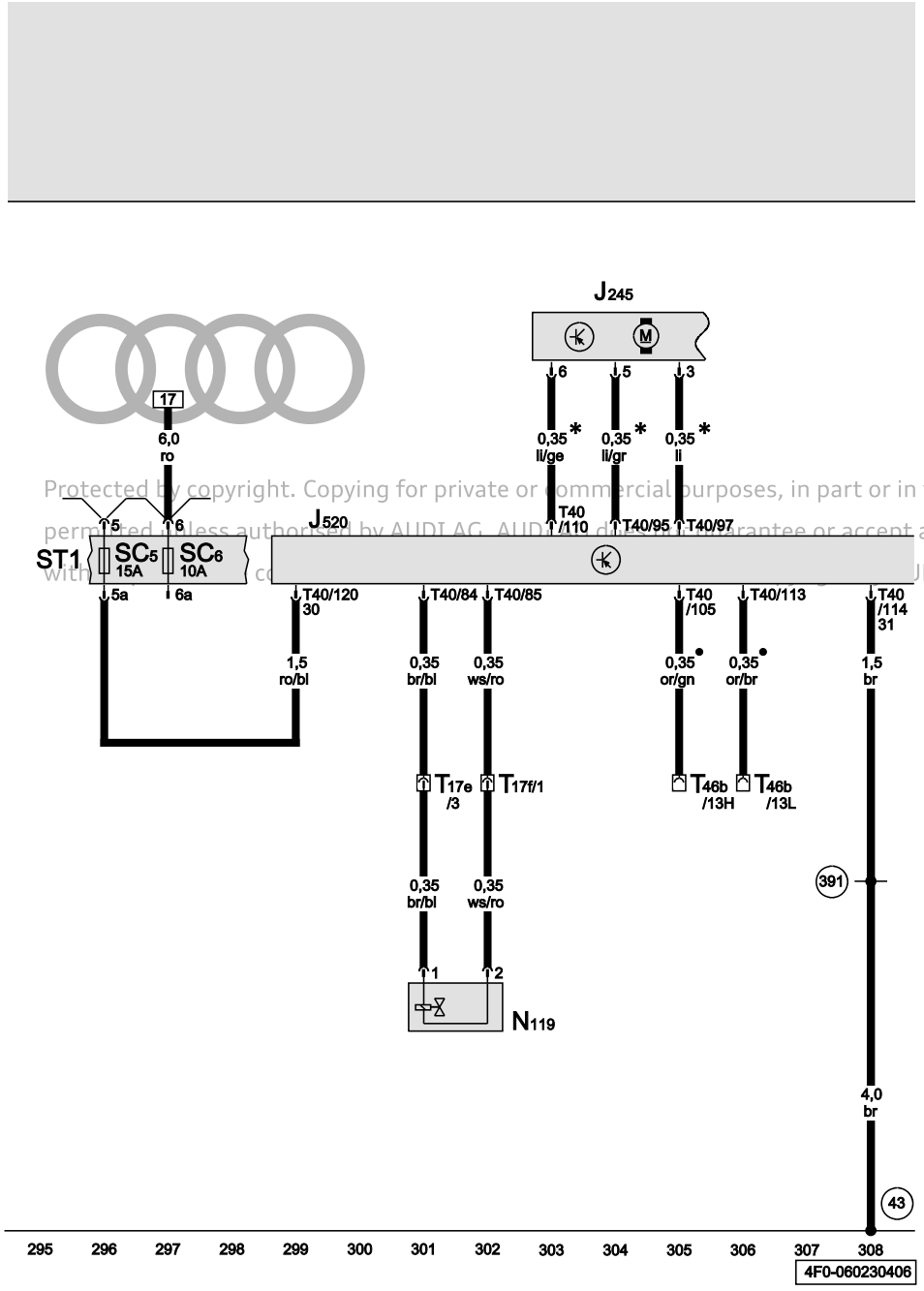
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Wiper motor control unit, rain and light detector sensor, washer jet heater element, headlight washer system pump, washer pump

G397	Rain and light detector sensor
J39	Headlight washer system relay
J400	Wiper motor control unit
SB19	Fuse 19 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB36	Fuse 36 on fuse holder B
T10a	10-pin connector, purple, coupling station on left electronics box
T10e	10-pin connector, grey, coupling station on left of A-pillar
T17d	17-pin connector, black, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
V	Windscreen wiper motor
V5	Washer pump
V11	Headlight washer system pump
Z20	Left washer jet heater element
Z21	Right washer jet heater element
44	Earth point, lower part of left A-pillar
261	Earth connection, in heated washer jet wiring harness
375	Earth connection 10, in main wiring harness
389	Earth connection 24, in main wiring harness
607	Earth point, on left in plenum chamber
*	models with headlight washer system
**	9-point relay carrier, behind driver storage compartment
#	up to May 2007
##	from June 2007

Onboard supply control unit 2, servotronic solenoid valve

J245	Sliding sunroof adjustment control unit
J520	Onboard supply control unit 2
N119	Servotronic solenoid valve
SC5	Fuse 5 on fuse holder C
SC6	Fuse 6 on fuse holder C
T17e	17-pin connector, red, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
T40	40-pin connector, black, on onboard supply control unit 2
T46b	46-pin connector, CAN separating connector right
43	Earth point, lower part of right A-pillar
391	Earth connection 26, in main wiring harness
•	CAN bus (data wire)
*	models with sunroof

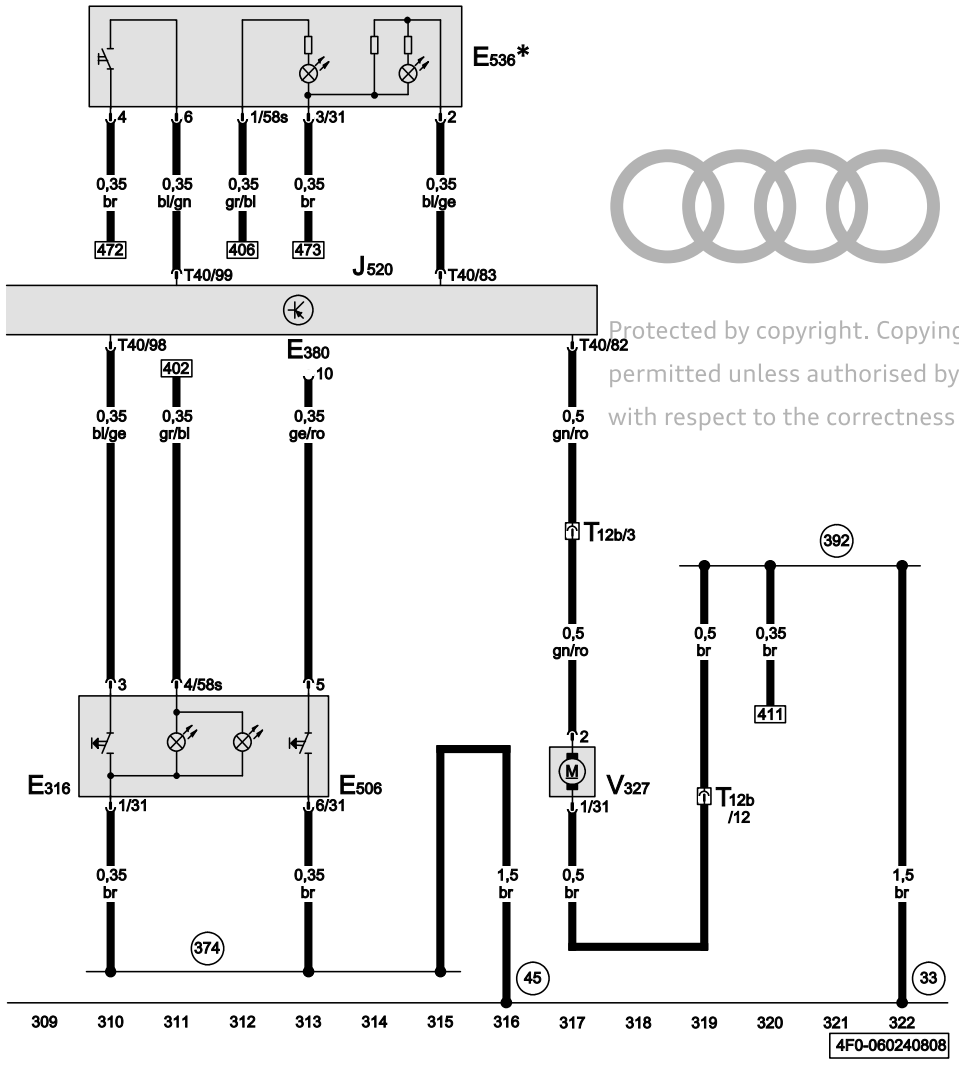


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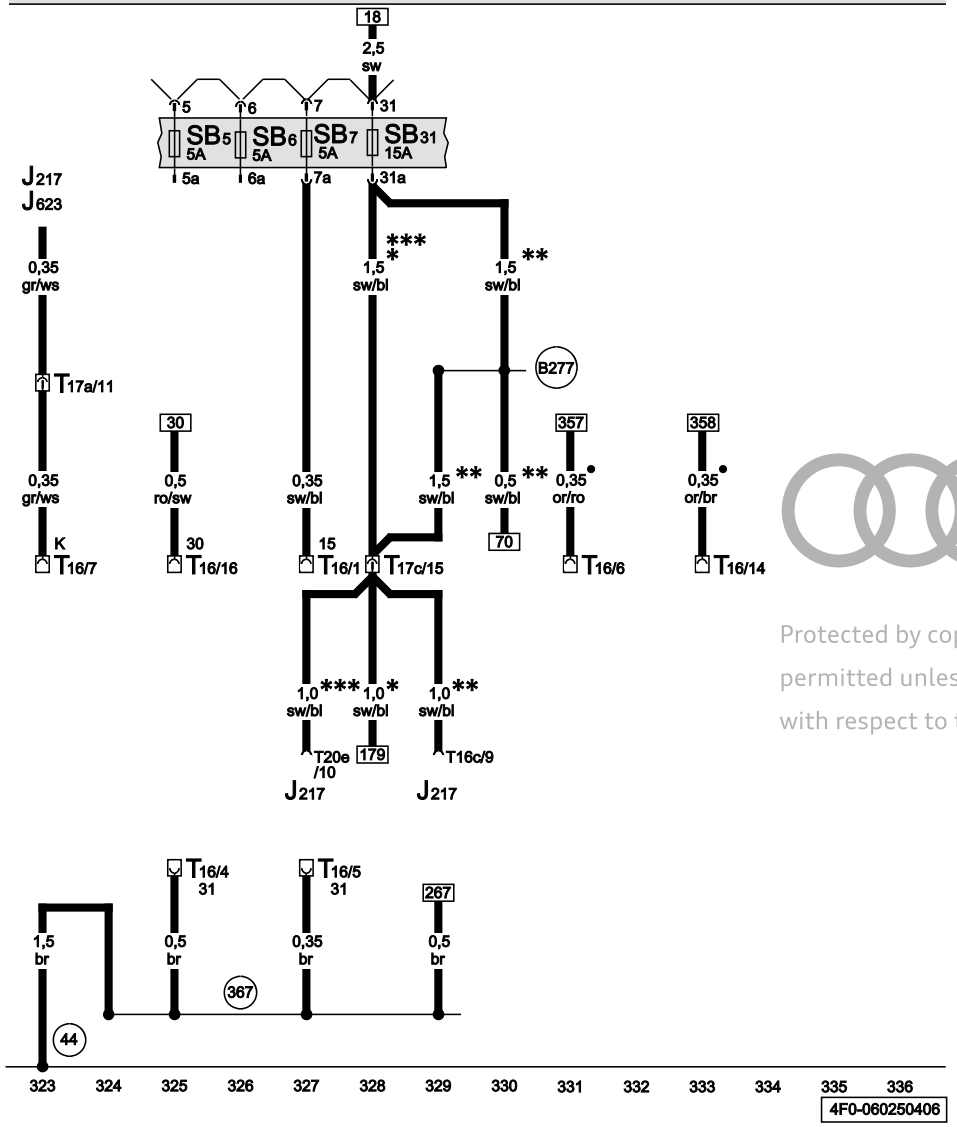
Onboard supply control unit 2, glove compartment release motor, glove compartment button, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
E536	Valet parking button
J520	Onboard supply control unit 2
T12b	12-pin connector, black, on right behind dash panel
T40	40-pin connector, black, on onboard supply control unit 2
V327	Glove compartment release motor
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
392	Earth connection 27, in main wiring harness
*	only USA



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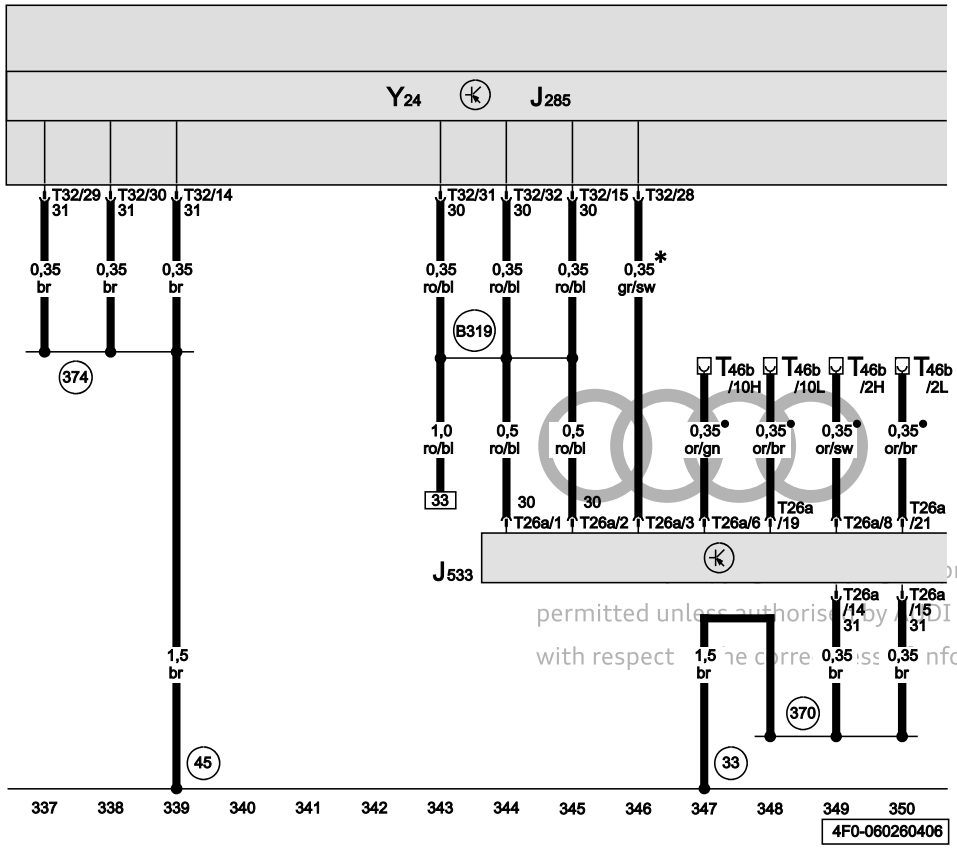


Diagnostic connector

J217	Automatic gearbox control unit
J623	Engine control unit
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB31	Fuse 31 on fuse holder B
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
•	CAN bus (data wire)
*	models with manual gearbox
**	models with automatic gearbox 09L
***	models with automatic gearbox 01J

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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
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T46b	46-pin connector, CAN separating connector right
Y24	Display in dash panel insert
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
•	CAN bus (data wire)
*	Wake Up wire (exciter wire)

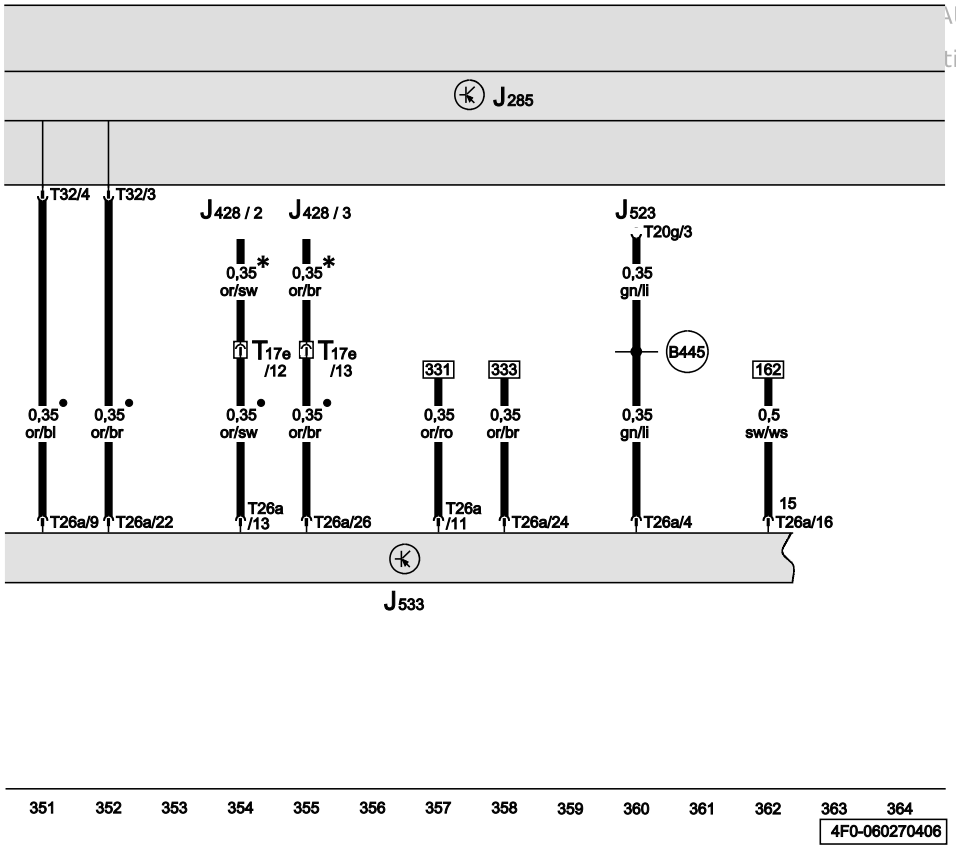
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Control unit in dash panel insert, data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
T17e	17-pin connector, red, coupling station on left of A-pillar
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
•	CAN bus (data wire)
*	models with adaptive cruise control (ACC)

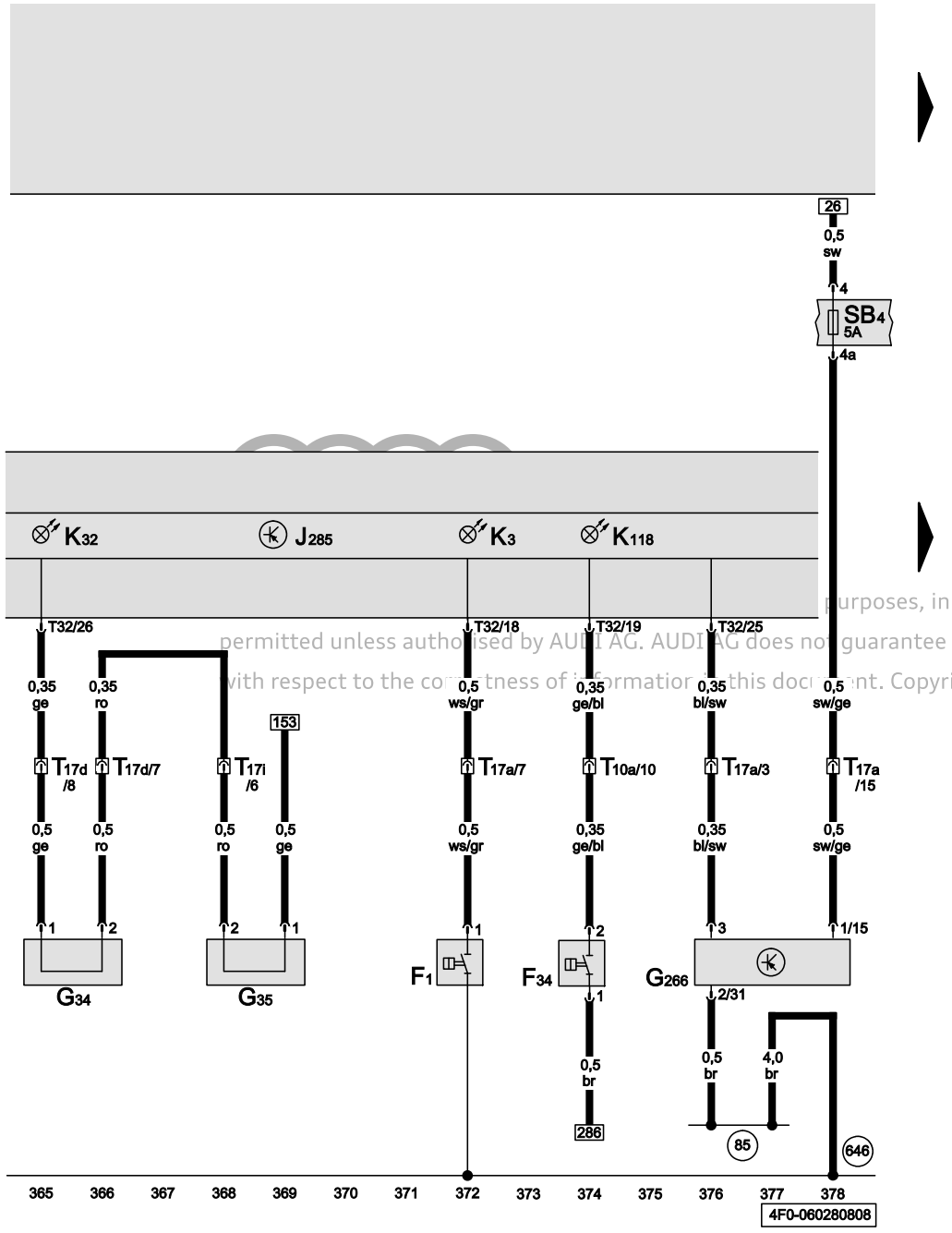
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Control unit in dash panel insert, front brake pad wear sender, oil pressure switch, brake fluid level warning contact, oil level and oil temperature sender

F1	Oil pressure switch
F34	Brake fluid level warning contact
G34	Front left brake pad wear sender
G35	Front right brake pad wear sender
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K32	Brake pad warning lamp
K118	Brake system warning lamp
SB4	Fuse 4 on fuse holder B
T10a	10-pin connector, purple, coupling station on left electronics box
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17d	17-pin connector, black, coupling station on left of A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
T32	32-pin connector, grey, on dash panel insert
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead

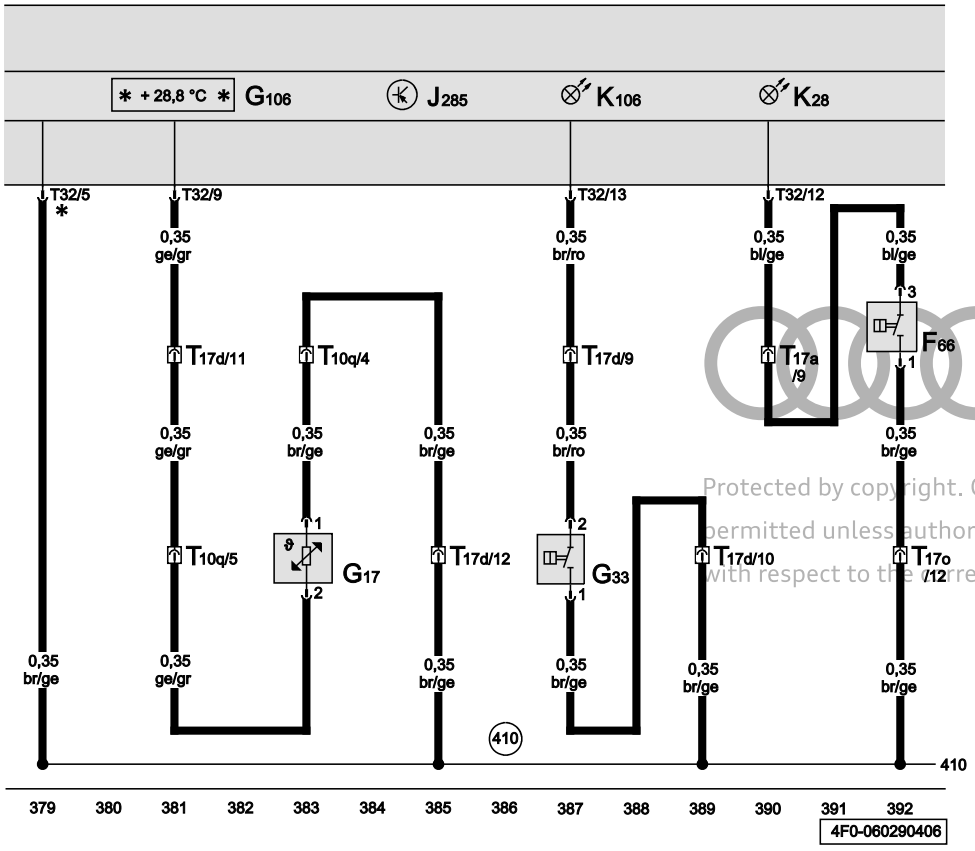


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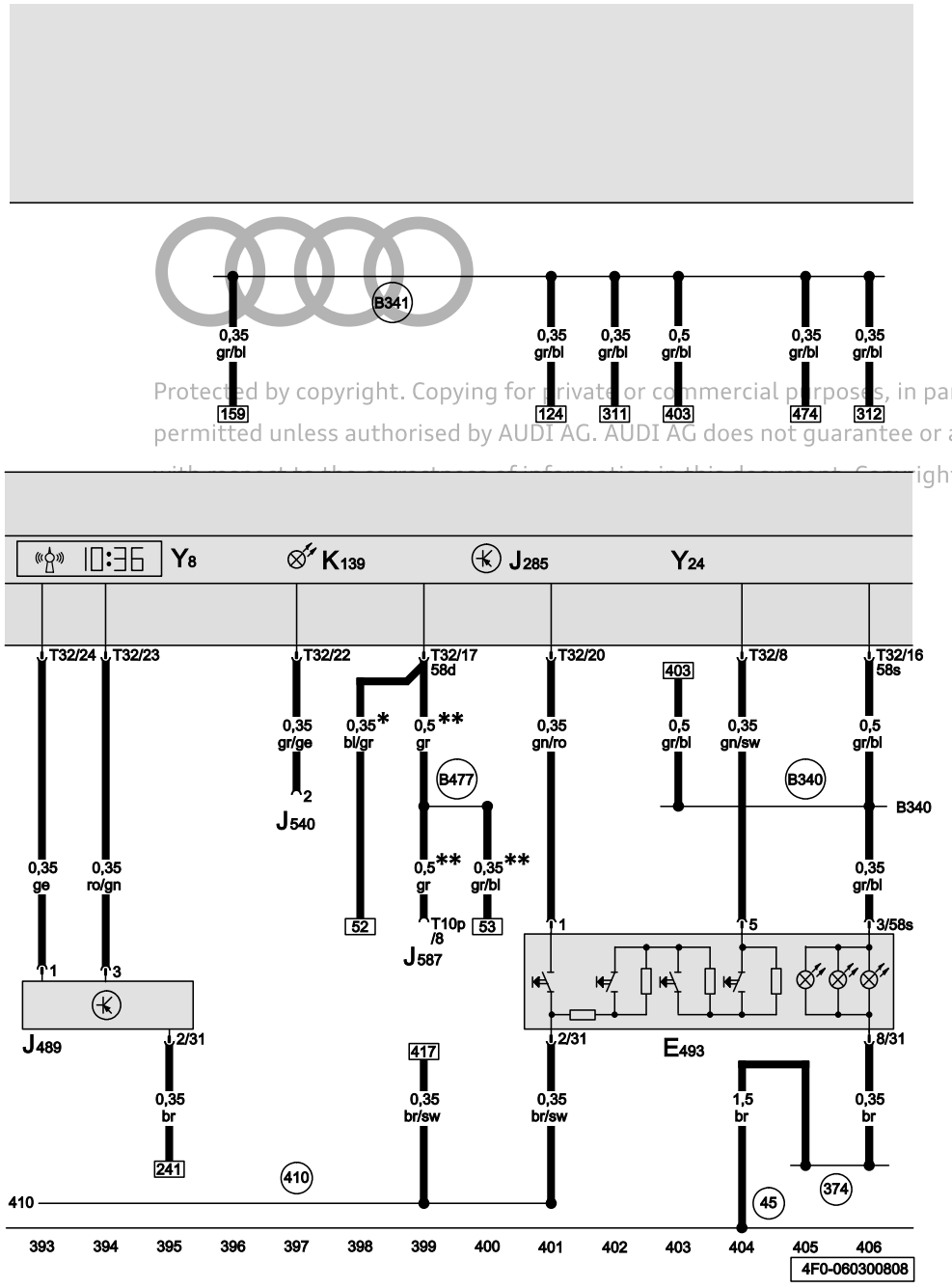
Control unit in dash panel insert, ambient temperature sensor, coolant shortage indicator switch, windscreen washer fluid level sender

F66	Coolant shortage indicator switch
G17	Ambient temperature sensor
G33	Windscreen washer fluid level sender
G106	Ambient temperature indicator
J285	Control unit in dash panel insert
K28	Coolant temperature and coolant shortage warning lamp
K106	Washer fluid low warning lamp
T10q	10-pin connector, black, near left headlight
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17d	17-pin connector, black, coupling station on left of A-pillar
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth



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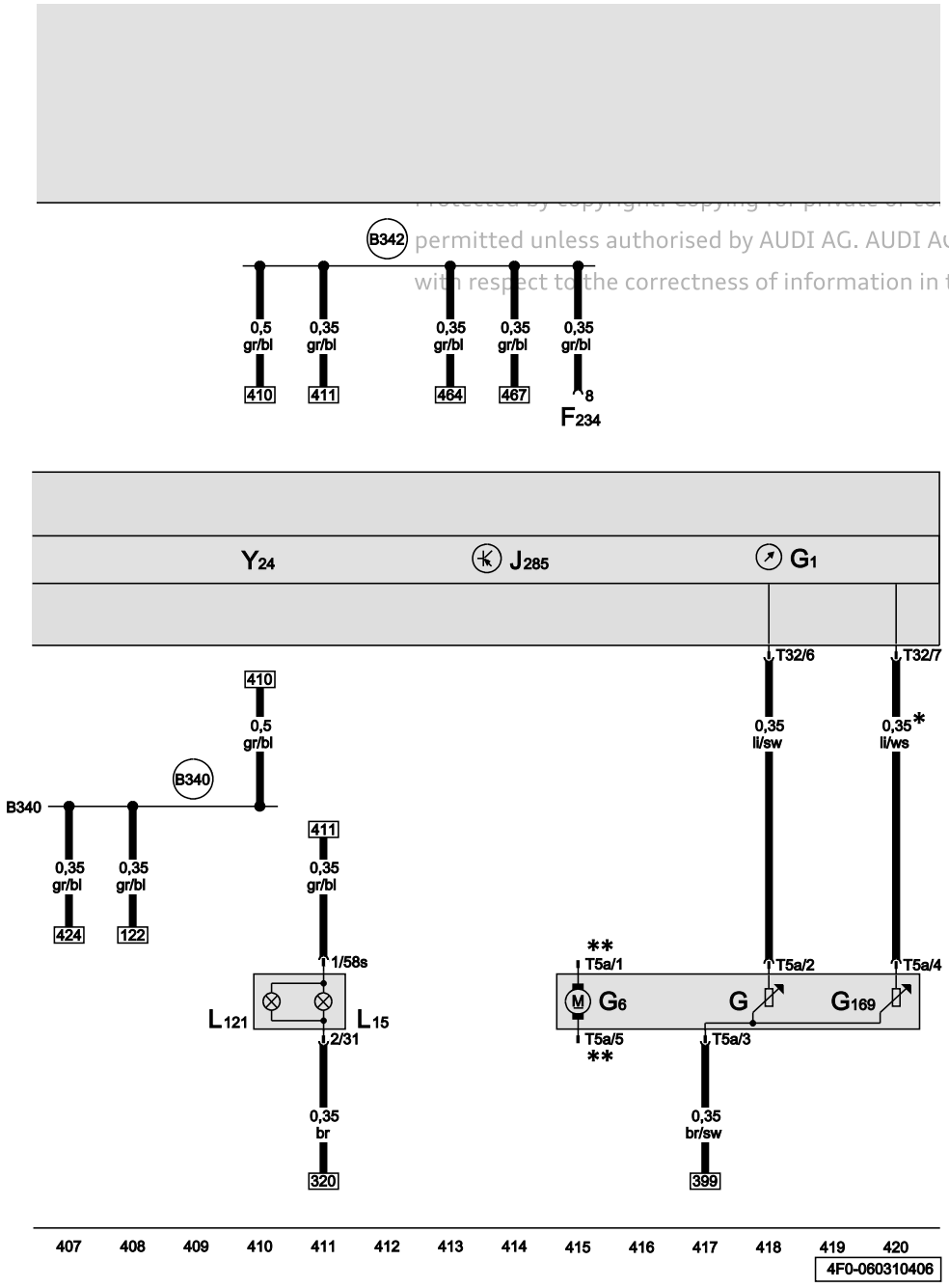


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Control unit in dash panel insert, radio controlled clock, radio controlled clock receiver, handbrake warning lamp

E493	Dash panel insert operating buttons
J285	Control unit in dash panel insert
J489	Radio controlled clock receiver
J540	Electric park and handbrake control unit
J587	Selector lever sensors control unit
K139	Handbrake warning lamp
T10p	10-pin connector, black, on selector lever sensors control unit
T32	32-pin connector, grey, on dash panel insert
Y8	Radio controlled clock
Y24	Display in dash panel insert
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B477	Connection 13 in main wiring harness
*	models with manual gearbox
**	models with automatic gearbox

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Control unit in dash panel insert, fuel gauge, fuel gauge sender 2, ashtray illumination bulb, cup holder illumination bulb

F234	Parking brake pressure switch
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
L15	Ashtray illumination bulb
L121	Cup holder illumination bulb
T5a	5-pin connector, black, on fuel tank
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
B340	Connection 1 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness
*	only four-wheel drive
**	connections fuel pump see engine Current Flow Diagram

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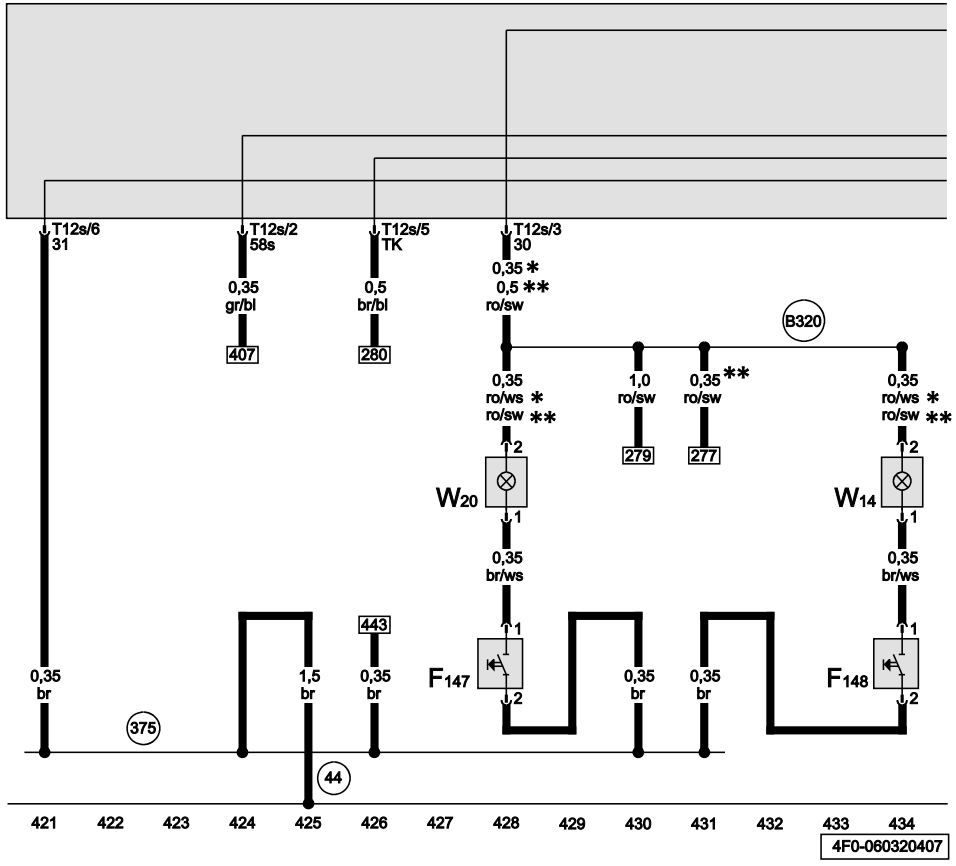
Driver and front passenger side illuminated vanity mirror, driver and front passenger vanity mirror contact switch

F147 Driver vanity mirror contact switch
F148 Front passenger side vanity mirror contact switch
T12s 12-pin connector, black, connector A, on front roof console
W14 Front passenger side illuminated vanity mirror
W20 Driver side illuminated vanity mirror

(44) Earth point, lower part of left A-pillar
(375) Earth connection 10, in main wiring harness
(B320) Positive connection 6 (30a), in main wiring harness

* up to May 2007
** from June 2007

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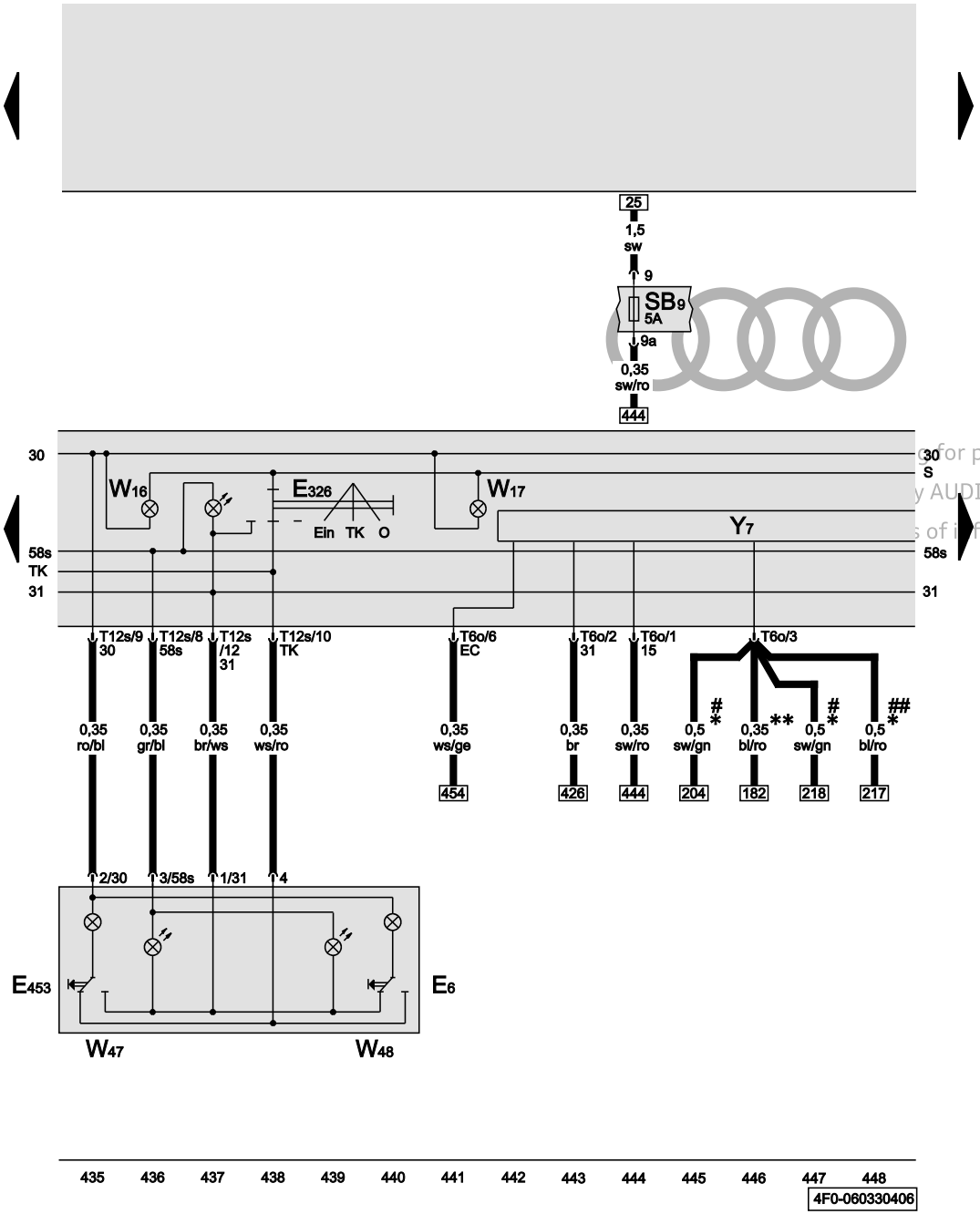


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Interior light rear switch, rear left and right interior light, automatic anti-dazzle interior mirror

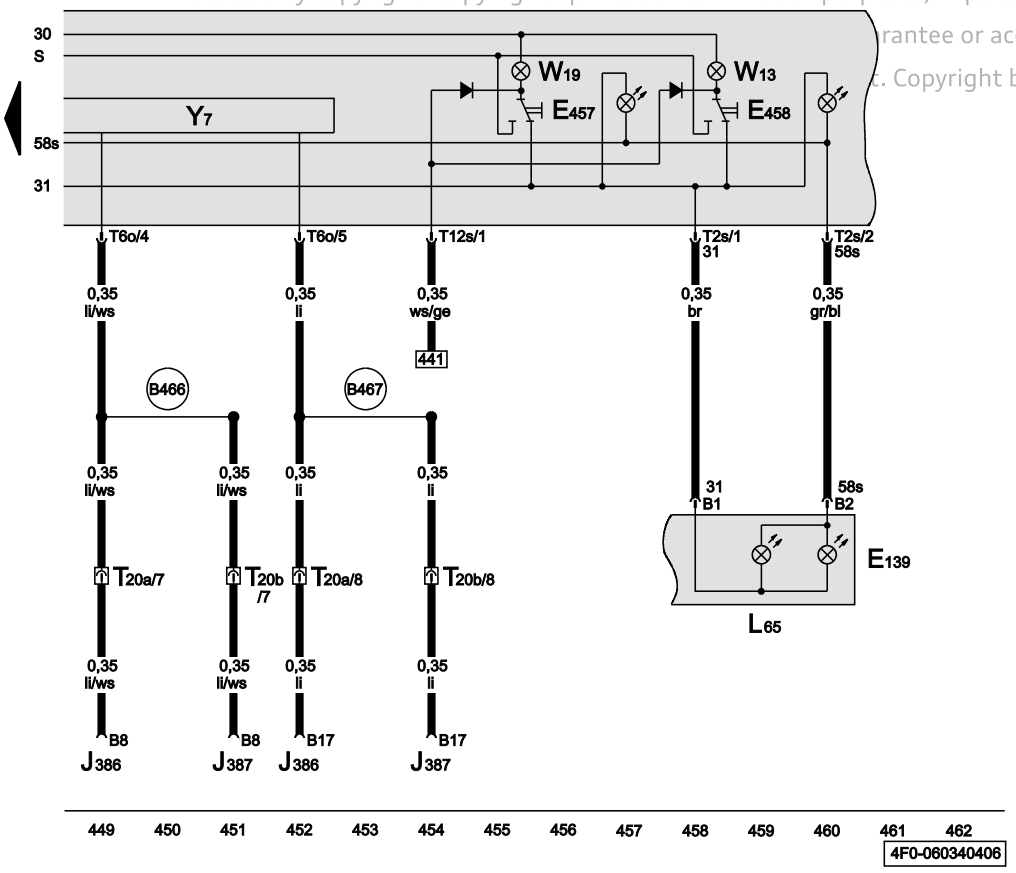
E6	Interior light rear switch
E326	Front interior light button
E453	Rear left interior light switch 1
SB9	Fuse 9 on fuse holder B
T6o	6-pin connector, black, connector B, on roof console
T12s	12-pin connector, black, connector A, on front roof console
W16	Left interior light
W17	Right interior light
W47	Rear left interior light
W48	Rear right interior light
Y7	Automatic anti-dazzle interior mirror
*	models with automatic gearbox
**	models with manual gearbox
#	not Japan
##	only Japan

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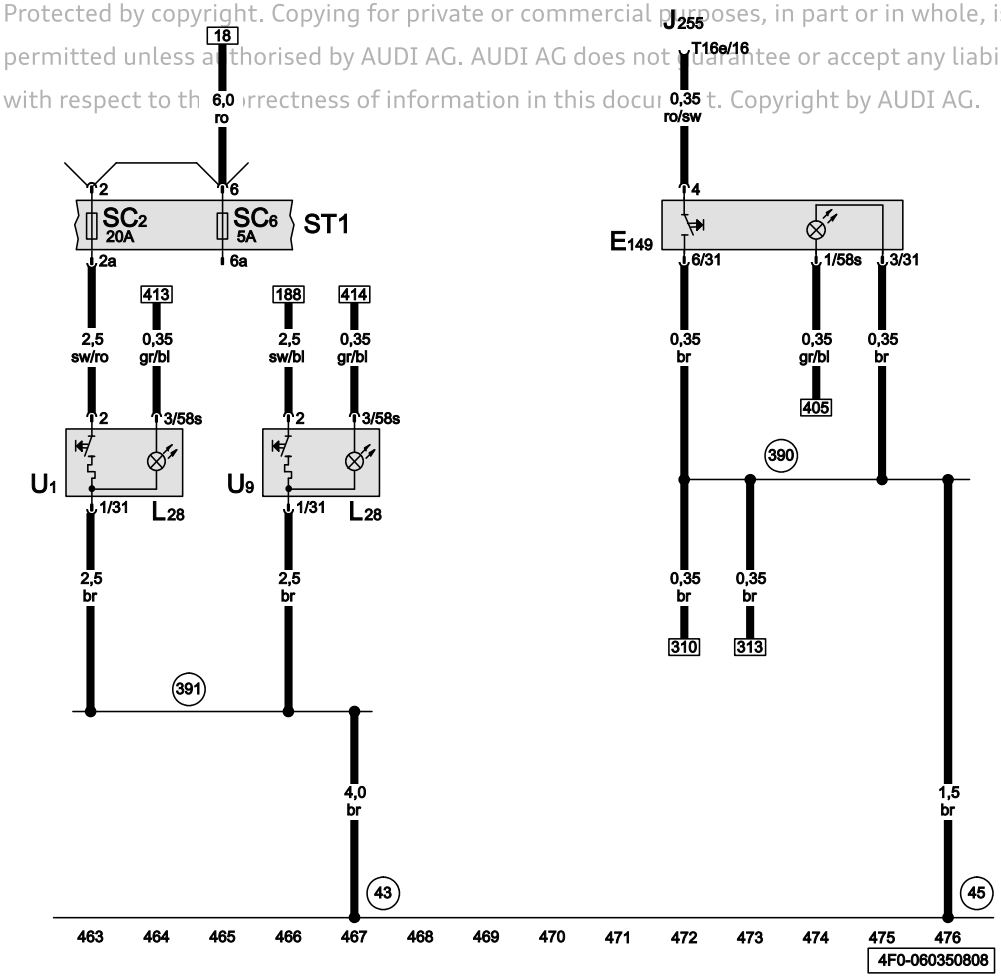


Automatic anti-dazzle interior mirror, driver and front passenger side reading light, sliding sunroof adjustment regulator

E139	Sliding sunroof adjustment regulator
E457	Driver side reading light button
E458	Front passenger side reading light button
J386	Driver door control unit
J387	Front passenger door control unit
L65	Sliding sunroof switch illumination bulb
T2s	2-pin connector, connector C, on front roof console
T6o	6-pin connector, black, connector B, on roof console
T12s	12-pin connector, black, connector A, on front roof console
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
B466	Connection 2 in main wiring harness
B467	Connection 3 in main wiring harness

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Rear roller blind switch, cigarette lighter, rear cigarette lighter

E149	Rear roller blind switch
J255	Climatronic control unit
L28	Cigarette lighter illumination bulb
SC2	Fuse 2 on fuse holder C
SC6	Fuse 6 on fuse holder C
T16e	16-pin connector, black, connector D, on Climatronic control unit
U1	Cigarette lighter
U9	Rear cigarette lighter
43	Earth point, lower part of right A-pillar
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
391	Earth connection 26, in main wiring harness

Audi A6 2.0 l Fuel injection engine (125 kW - 4 cylinder), engine code BPJ

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

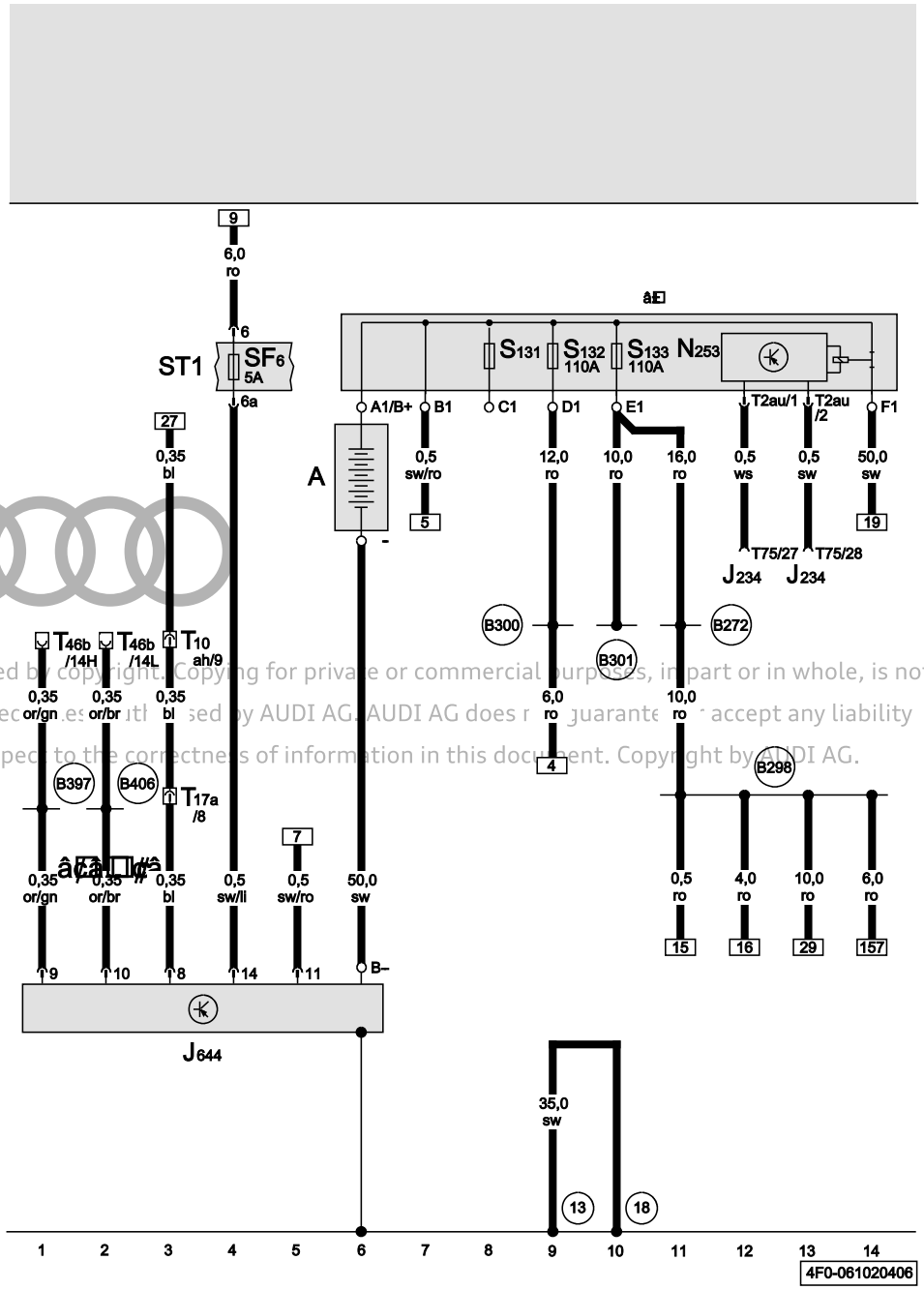
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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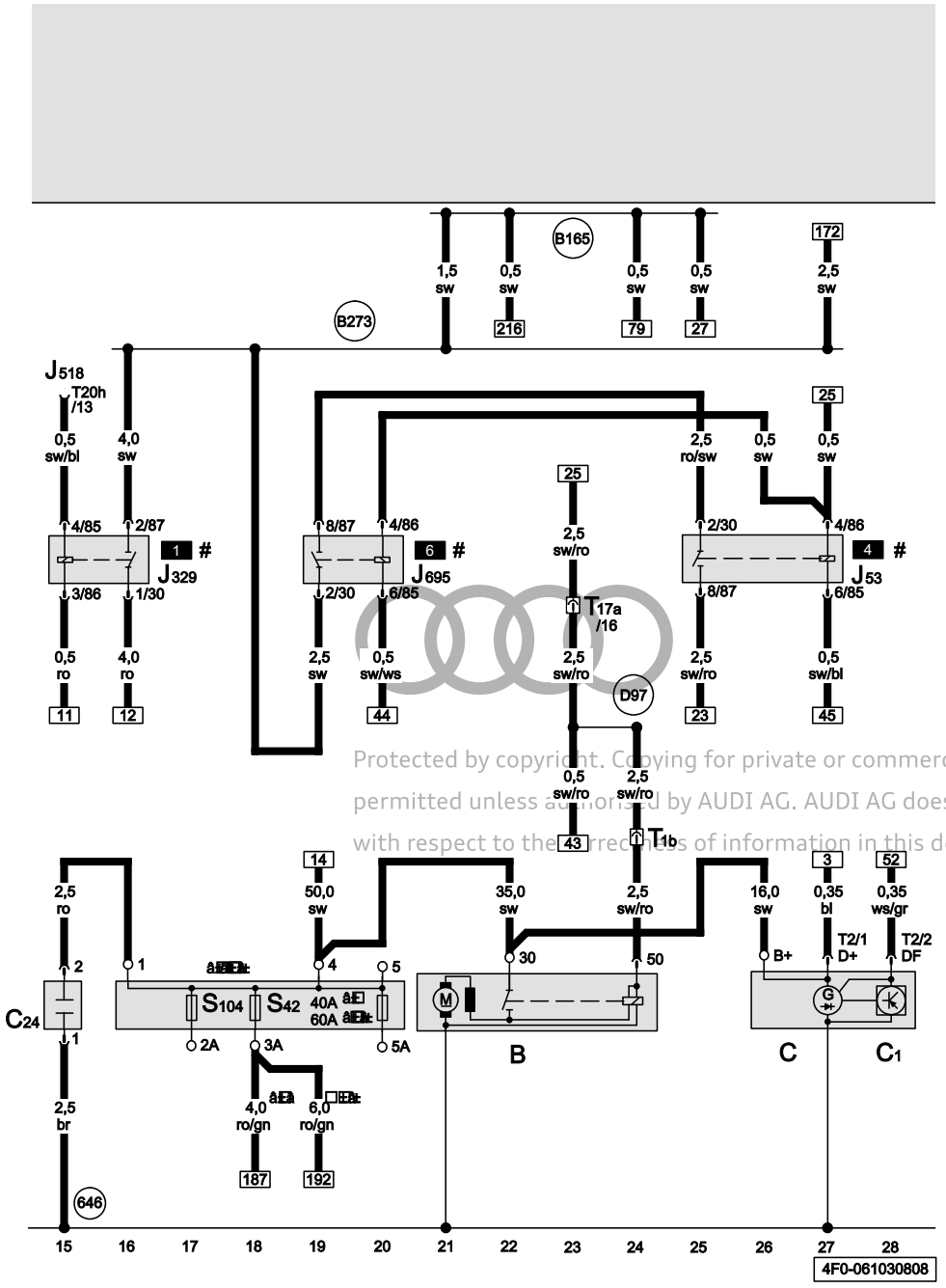
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Battery, energy management control unit, battery isolation igniter, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
T2au	2-pin connector, purple, on battery isolation igniter
T10ah	10-pin connector, black, in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46b	46-pin connector, CAN disconnector right
T75	75-pin connector, grey, on airbag control unit USA: white
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

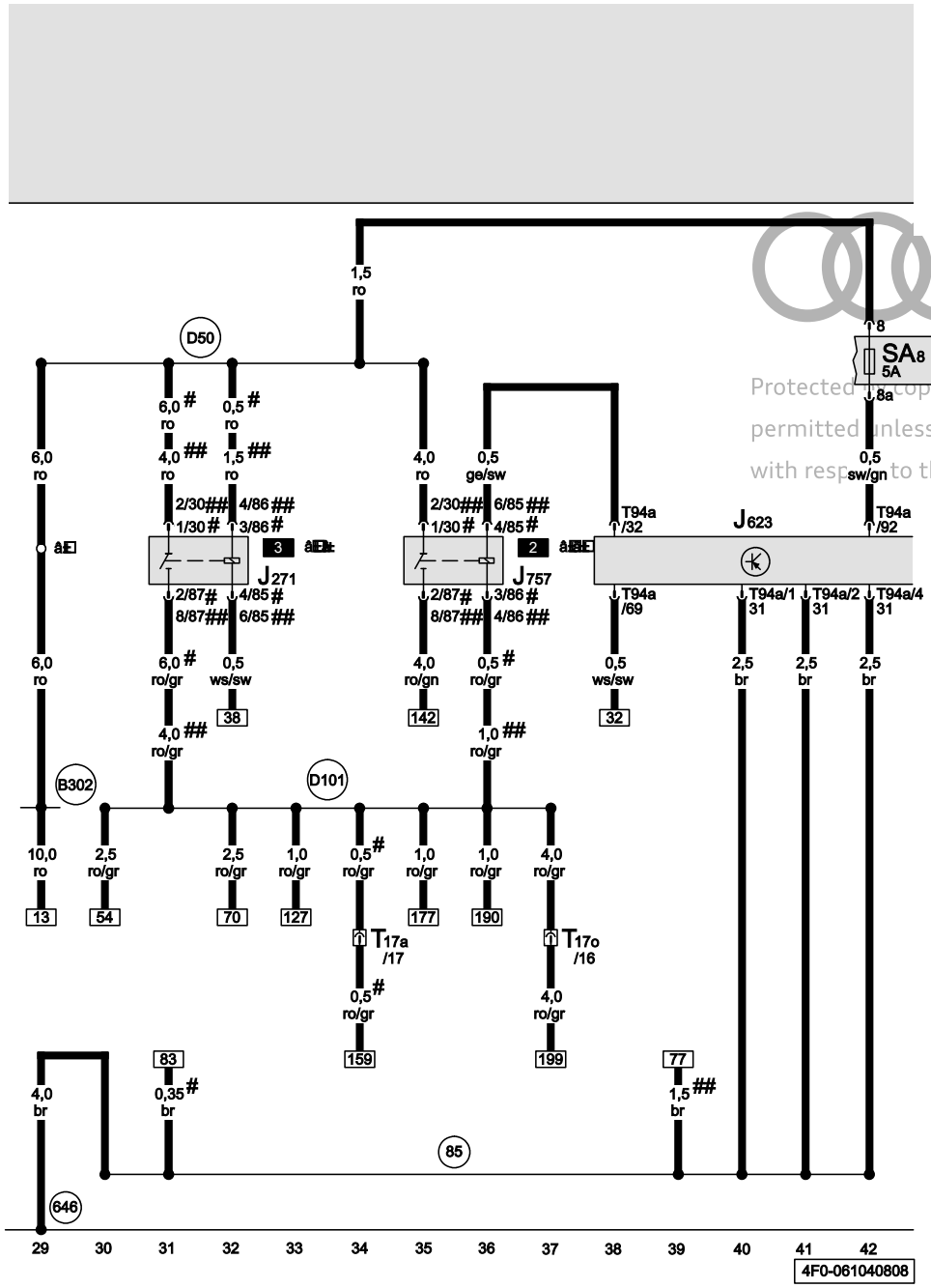
Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter



B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	standard cooling
**	heavy-duty cooling
***	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment

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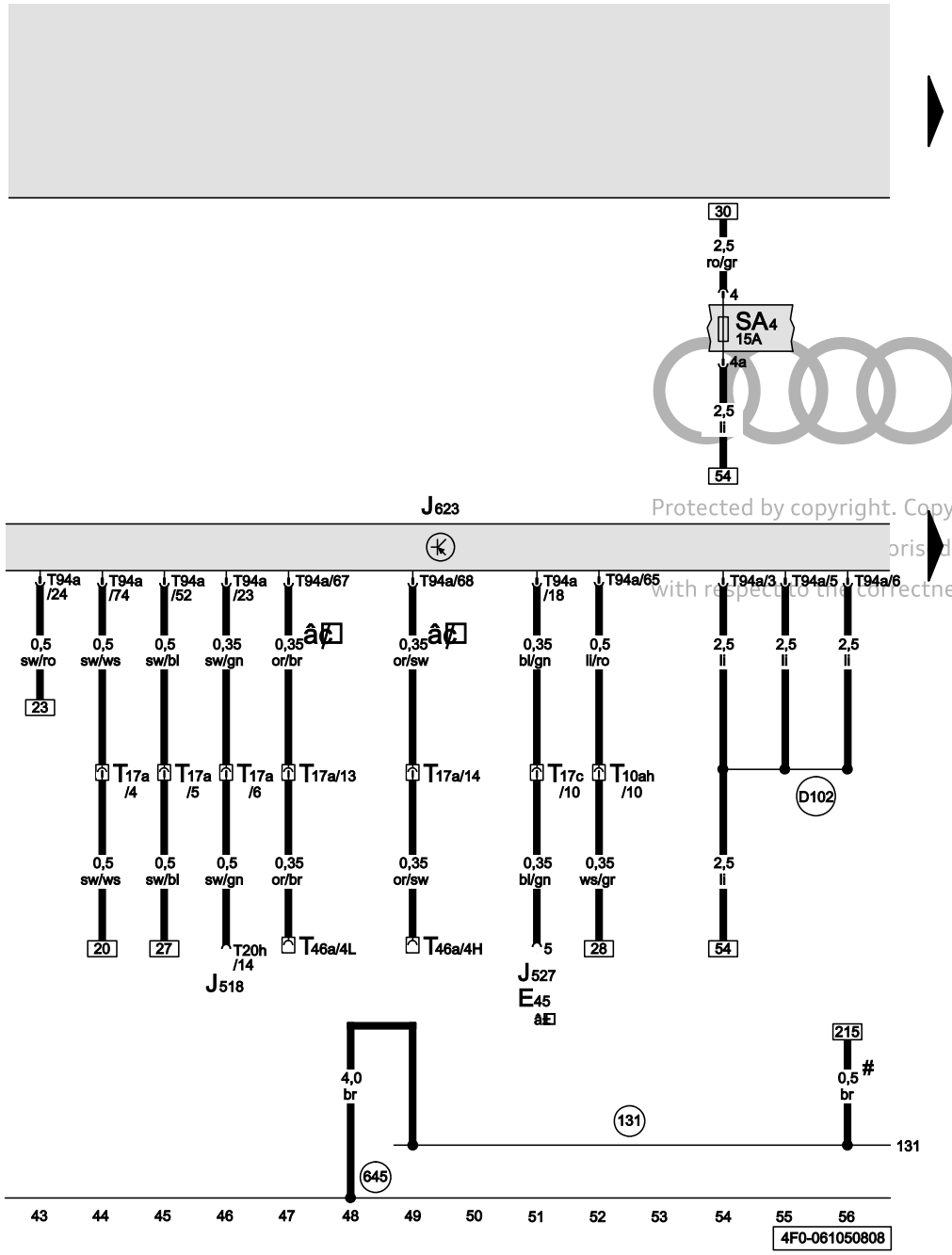


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Engine control unit, Motronic current supply relay, engine component current supply relay

J271	Motronic current supply relay
J623	Engine control unit
J757	Engine component current supply relay
SA8	Fuse 8 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber
#	up to May 2007
##	from June 2007

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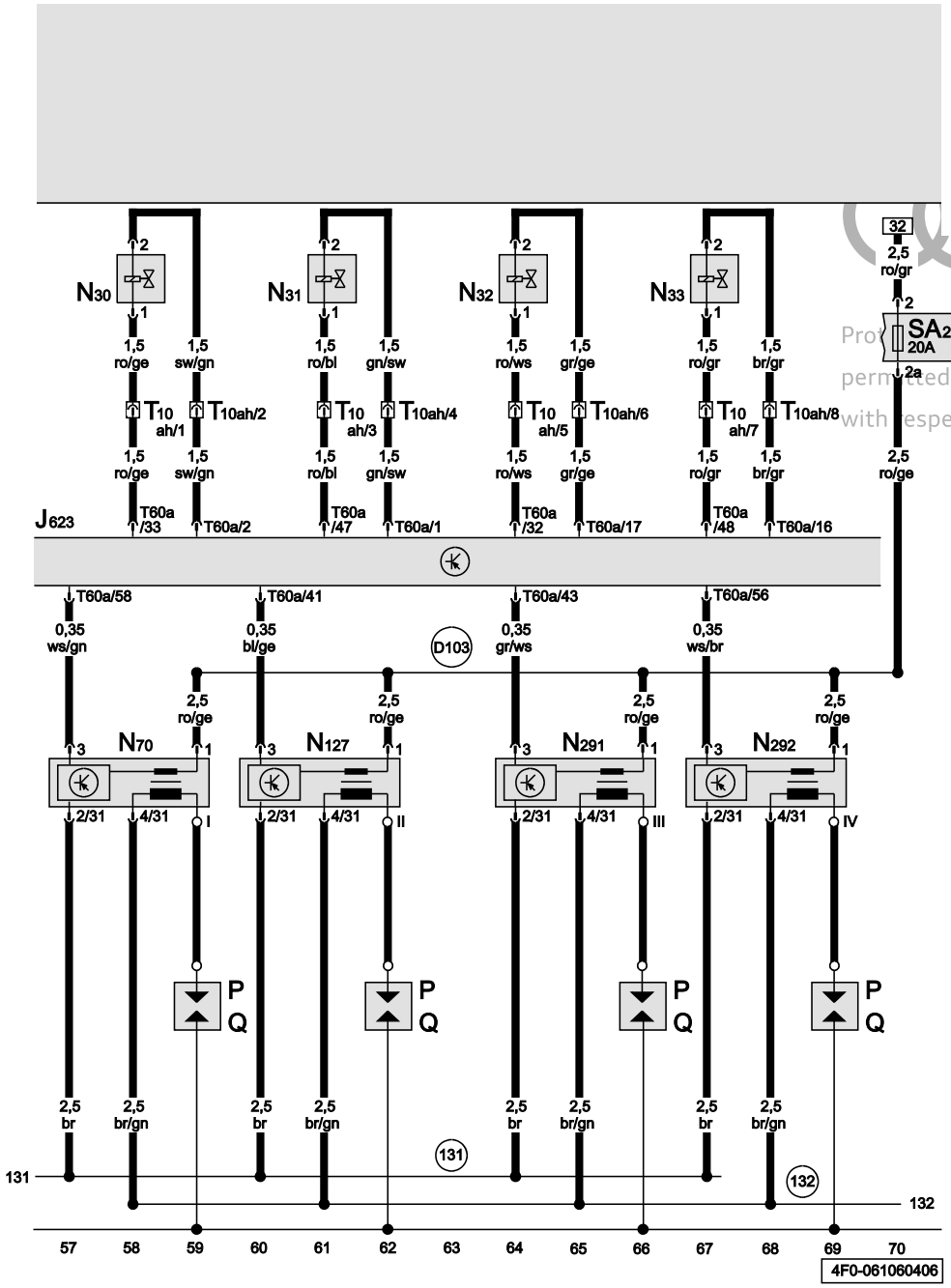
Engine control unit

E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
T10ah	10-pin connector, black, in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN disconnector left
T94a	94-pin connector, black, connector B, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
645	Earth point 1, on bulkhead
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)
*	models with cruise control system
#	up to May 2007

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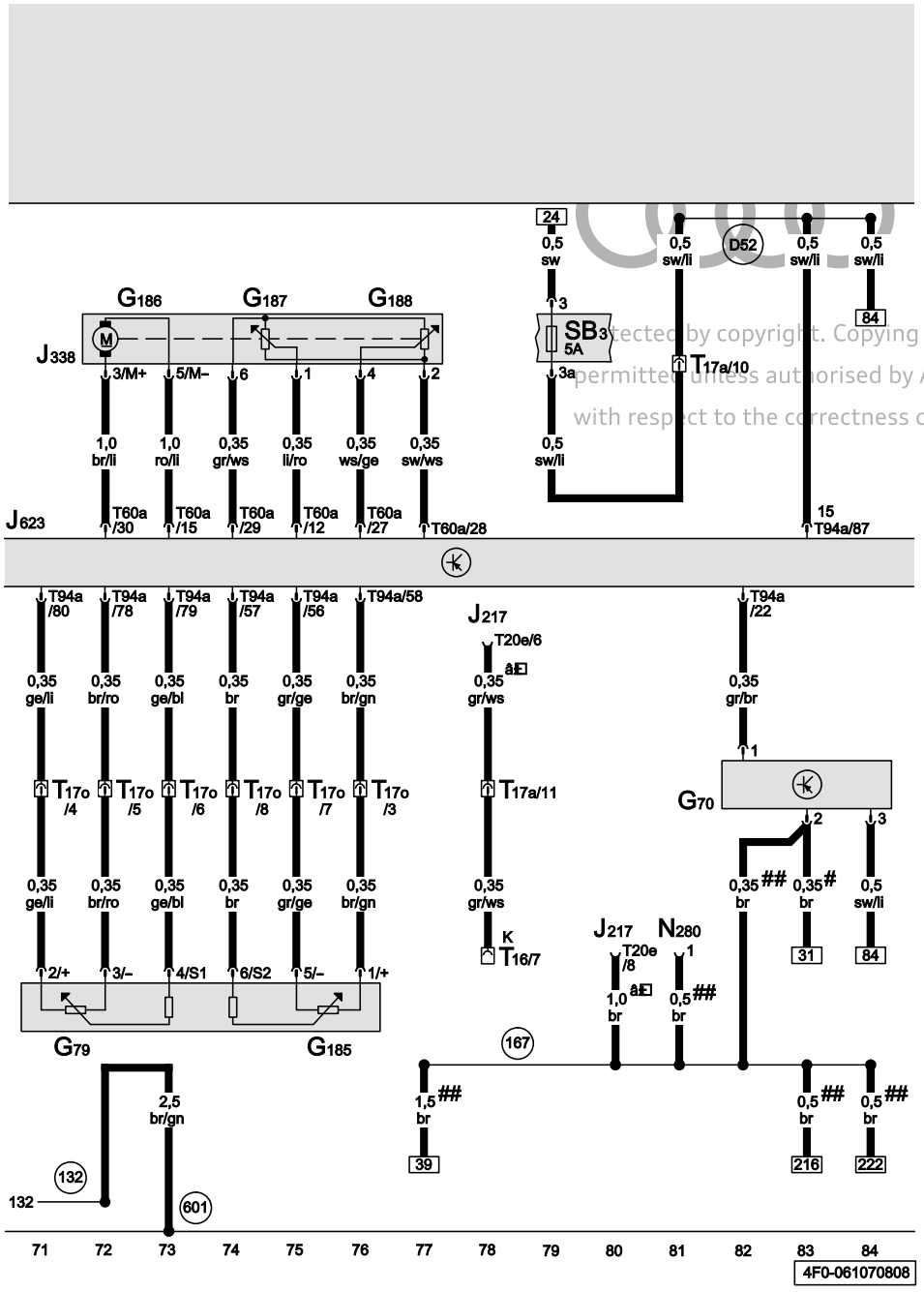
Engine control unit, injector for cylinders 1 - 4, ignition coils 1 - 4 with output stage

J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T10ah	10-pin connector, black, in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness



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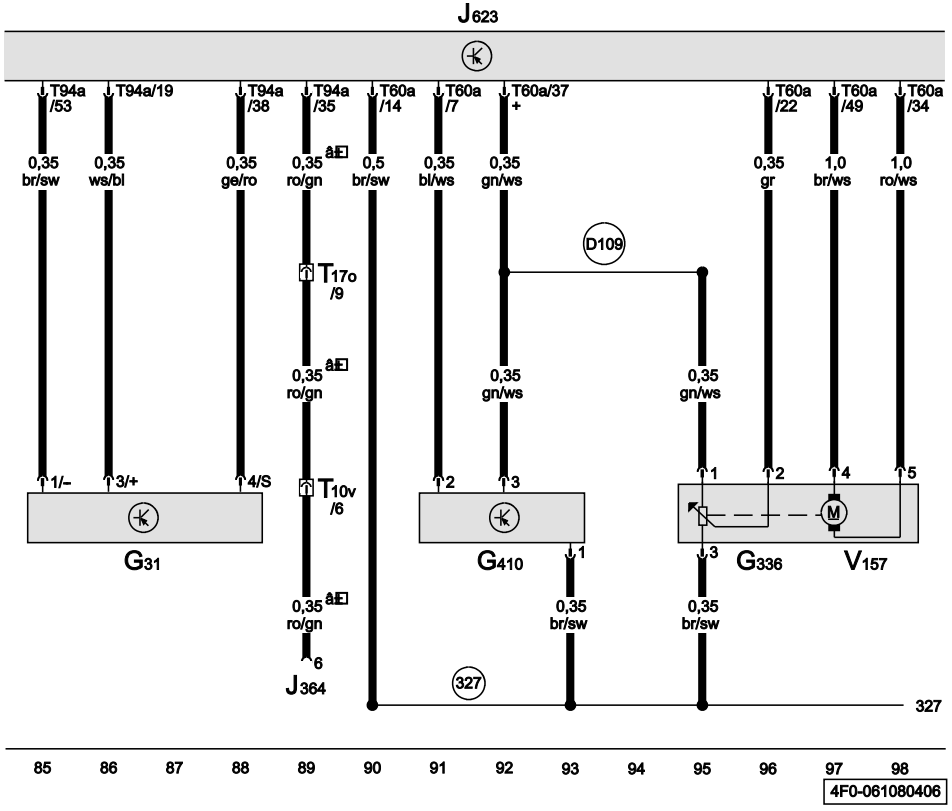
Engine control unit, accelerator position sender, air mass meter, throttle valve module

G70	Air mass meter
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J217	Automatic gearbox control unit
J338	Throttle valve module
J623	Engine control unit
N280	Air conditioning system compressor regulating valve
SB3	Fuse 3 on fuse holder
T16	16-pin connector, diagnostic connector
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
132	Earth connection 3, in engine compartment wiring harness
167	Earth connection 4, in engine compartment wiring harness
601	Earth point, on left of cylinder head
D52	Positive connection (15a), in engine compartment wiring harness
*	models with automatic gearbox 01J
#	up to May 2007
##	from June 2007

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Engine control unit, charge air pressure sender, fuel pressure sender for low pressure, intake manifold flap potentiometer, intake manifold flap motor

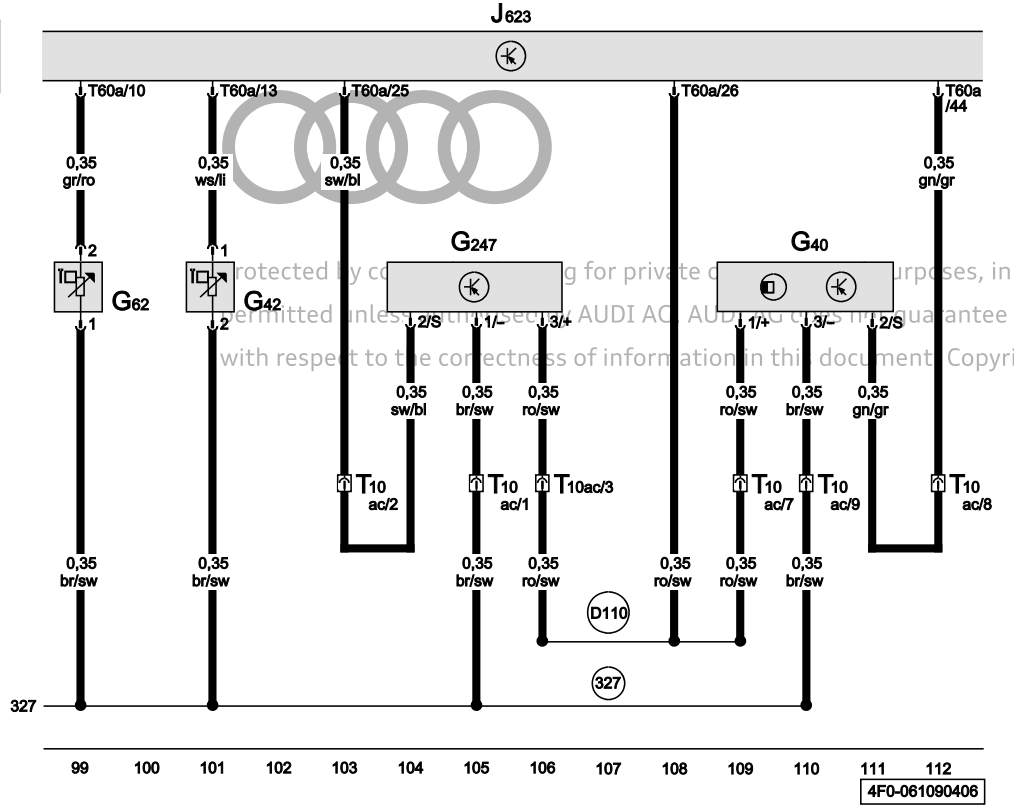
G31	Charge air pressure sender
G336	Intake manifold flap potentiometer
G410	Fuel pressure sender for low pressure
J364	Auxiliary heater control unit
J623	Engine control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V157	Intake manifold flap motor
327	Earth connection (sender earth), in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness
*	models with auxiliary heater



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Engine control unit, coolant temperature sender, intake air temperature sender, fuel pressure sender, Hall sender

G40	Hall sender
G42	Intake air temperature sender
G62	Coolant temperature sender
G247	Fuel pressure sender
J623	Engine control unit
T10ac	10-pin connector, black, in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D110	Connection 8, in engine compartment wiring harness

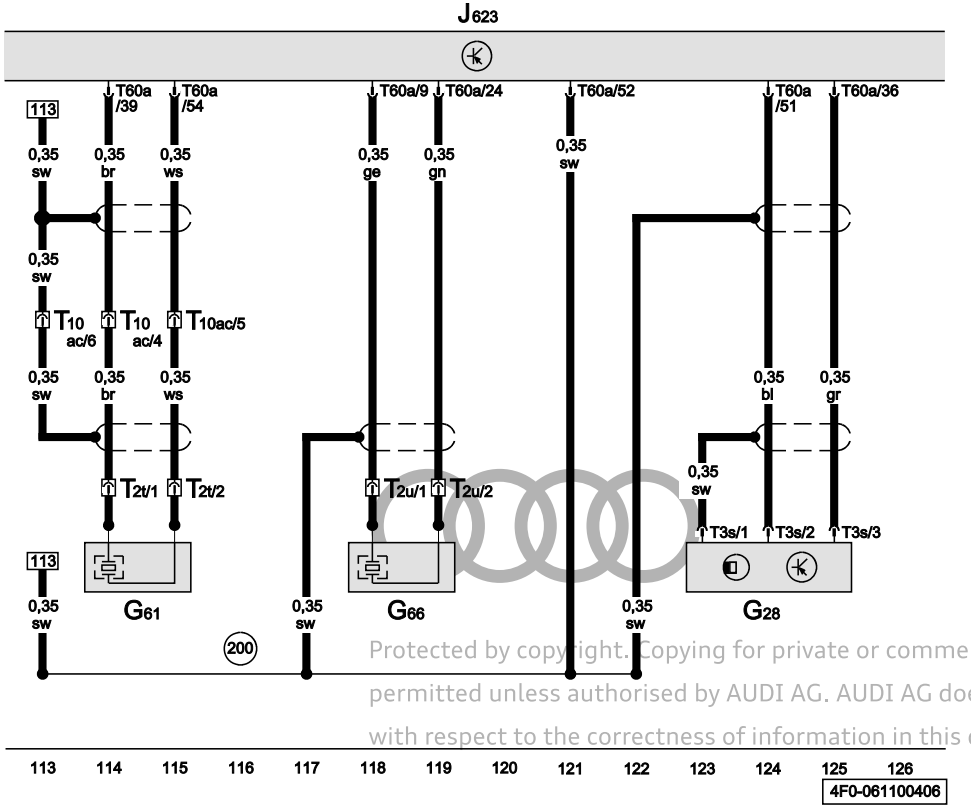


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Engine control unit, Hall sender 2, knock sensors

G61	Knock sensor 1
G66	Knock sensor 2
G28	Engine speed sender
J623	Engine control unit
T2t	2-pin connector, black, on knock sensor 1
T2u	2-pin connector, black, on knock sensor 2
T3s	3-pin connector, grey, on Hall sender 2
T10ac	10-pin connector, black, in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
200	Earth connection (screening) in engine compartment wiring harness

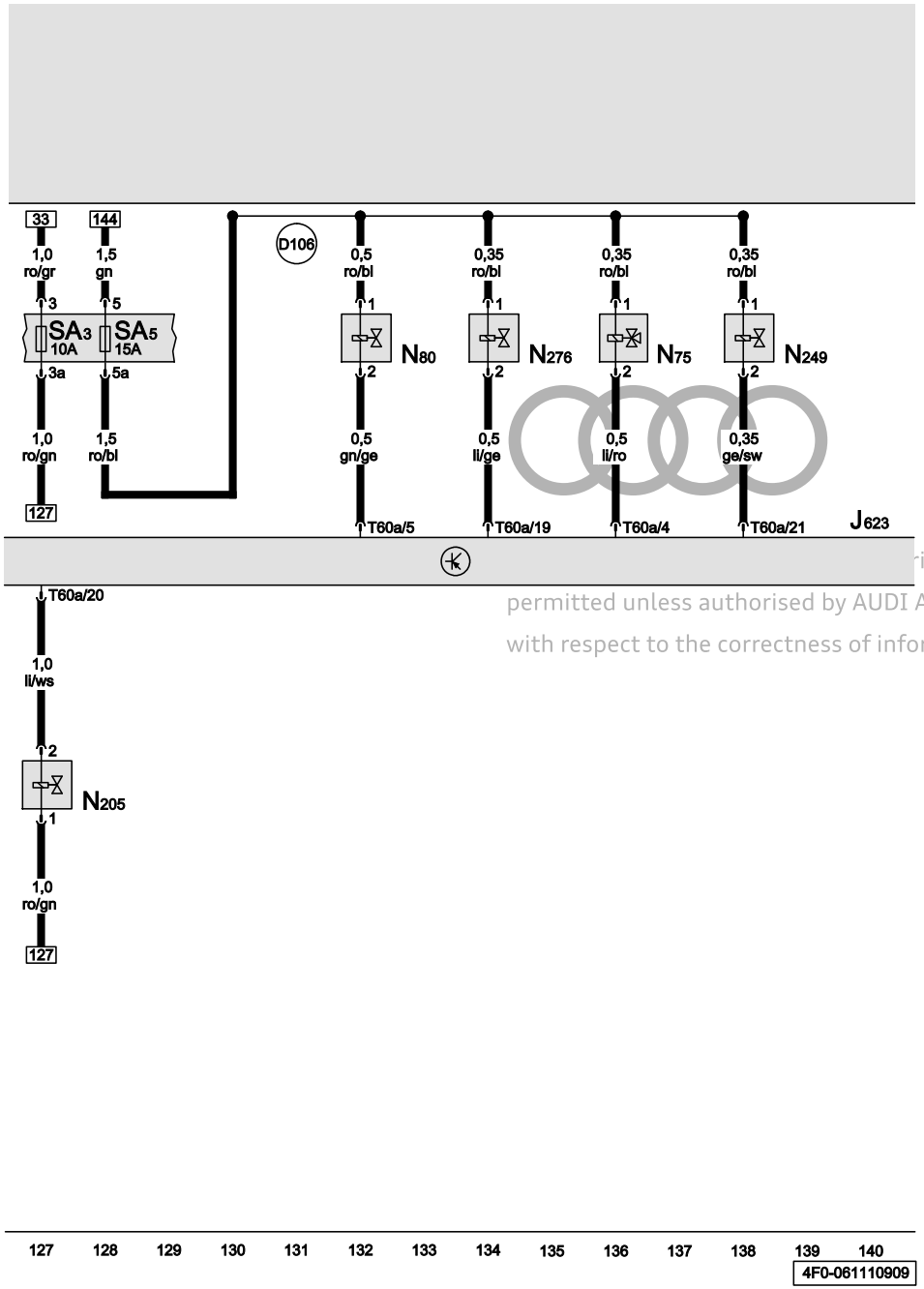


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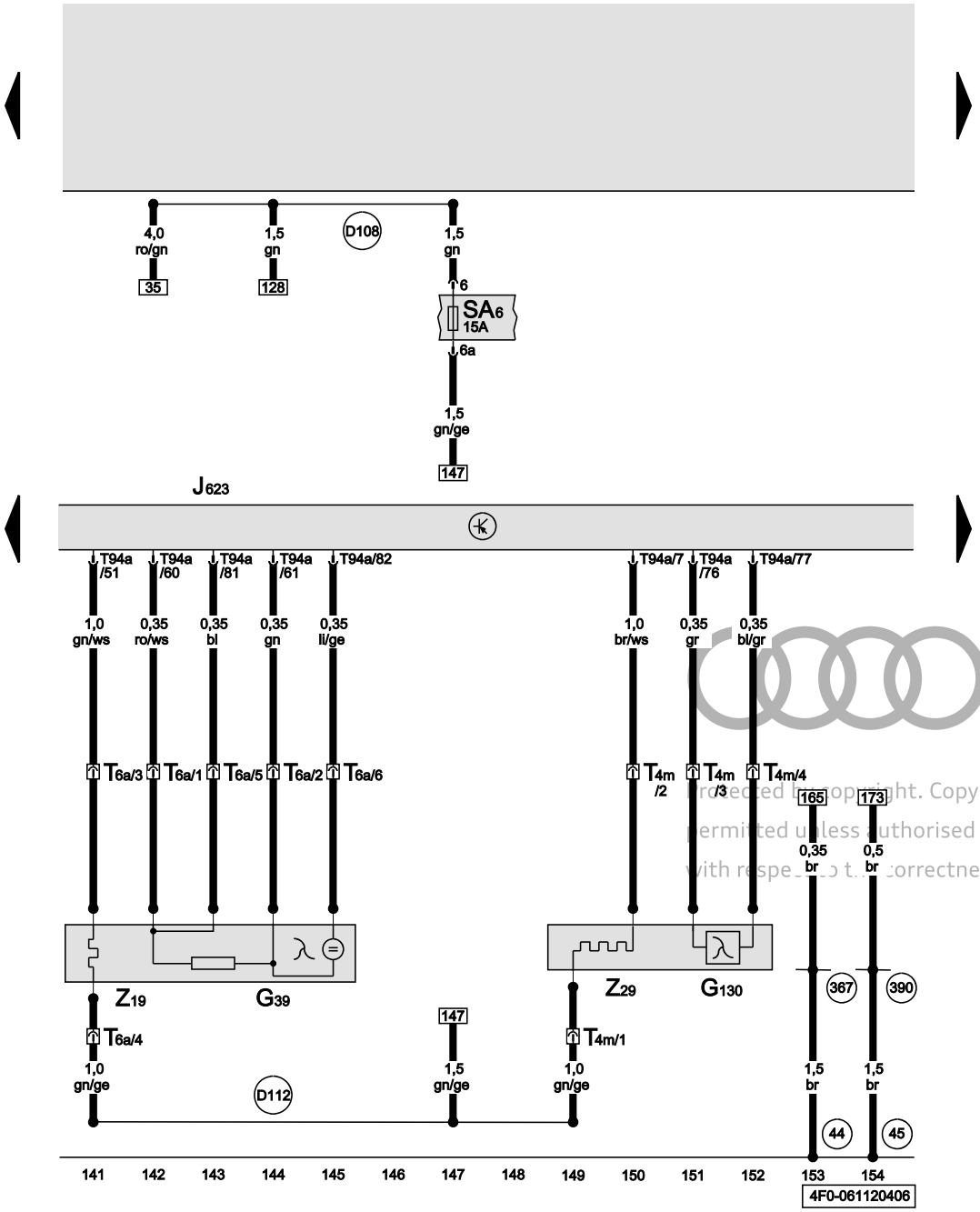
Engine control unit, active charcoal filter system solenoid valve 1, inlet camshaft control valve 1, charge pressure control solenoid valve

J623	Engine control unit
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
N205	Inlet camshaft control valve 1
N249	Turbocharger air recirculation valve
N276	Fuel pressure regulating valve
SA3	Fuse 3 on fuse holder A
SA5	Fuse 5 on fuse holder A
T60a	60-pin connector, black, connector A, on engine control unit
D106	Connection 4, in engine compartment wiring harness



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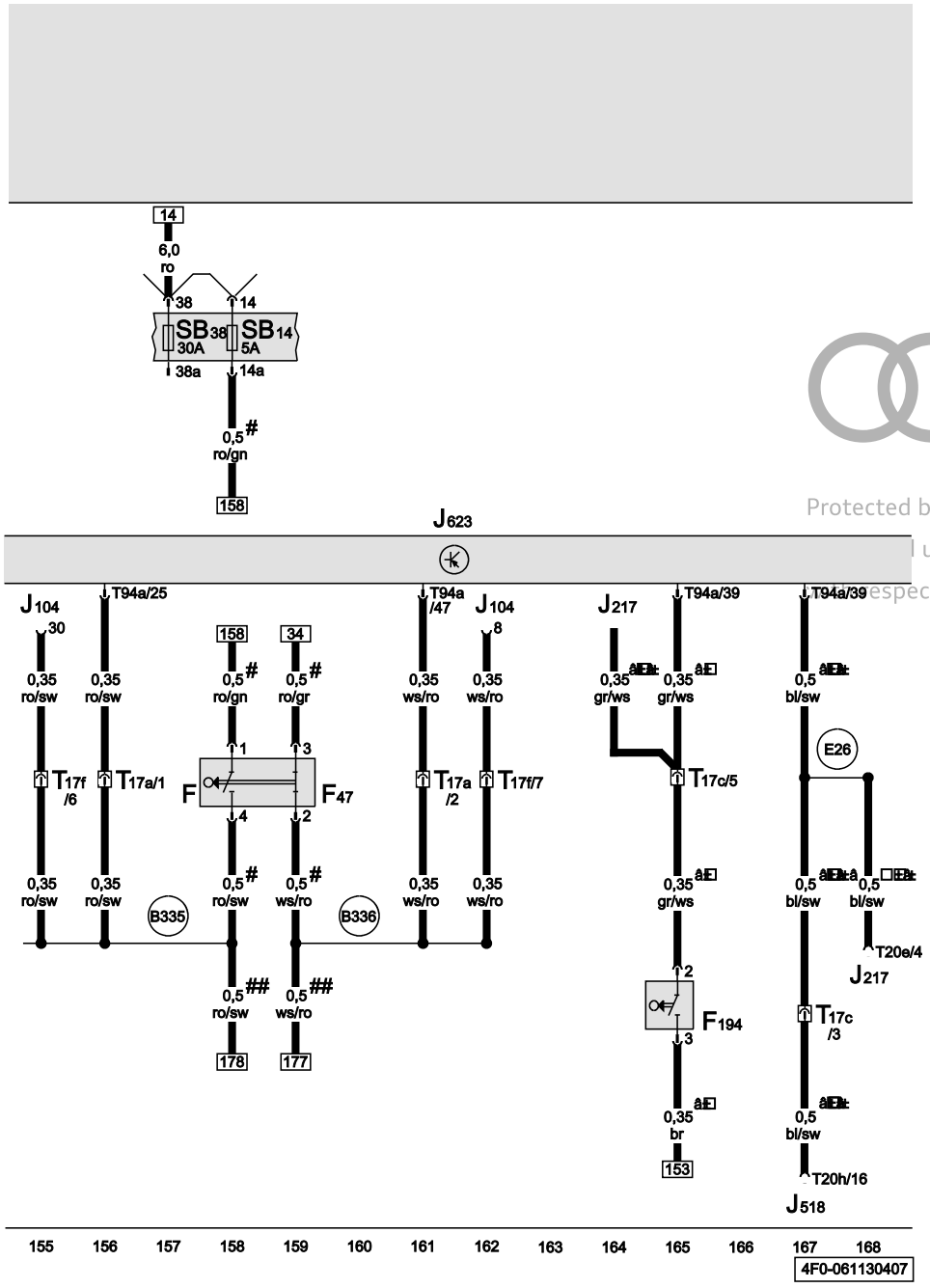


Engine control unit, lambda probe, lambda probe after catalytic converter

G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T4m	4-pin connector, brown, for Lambda probe after catalytic converter
T6a	6-pin connector, black, for Lambda probe
T94a	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
390	Earth connection 25, in main wiring harness
D108	Connection 6, in engine compartment wiring harness
D112	Connection 10, in engine compartment wiring harness

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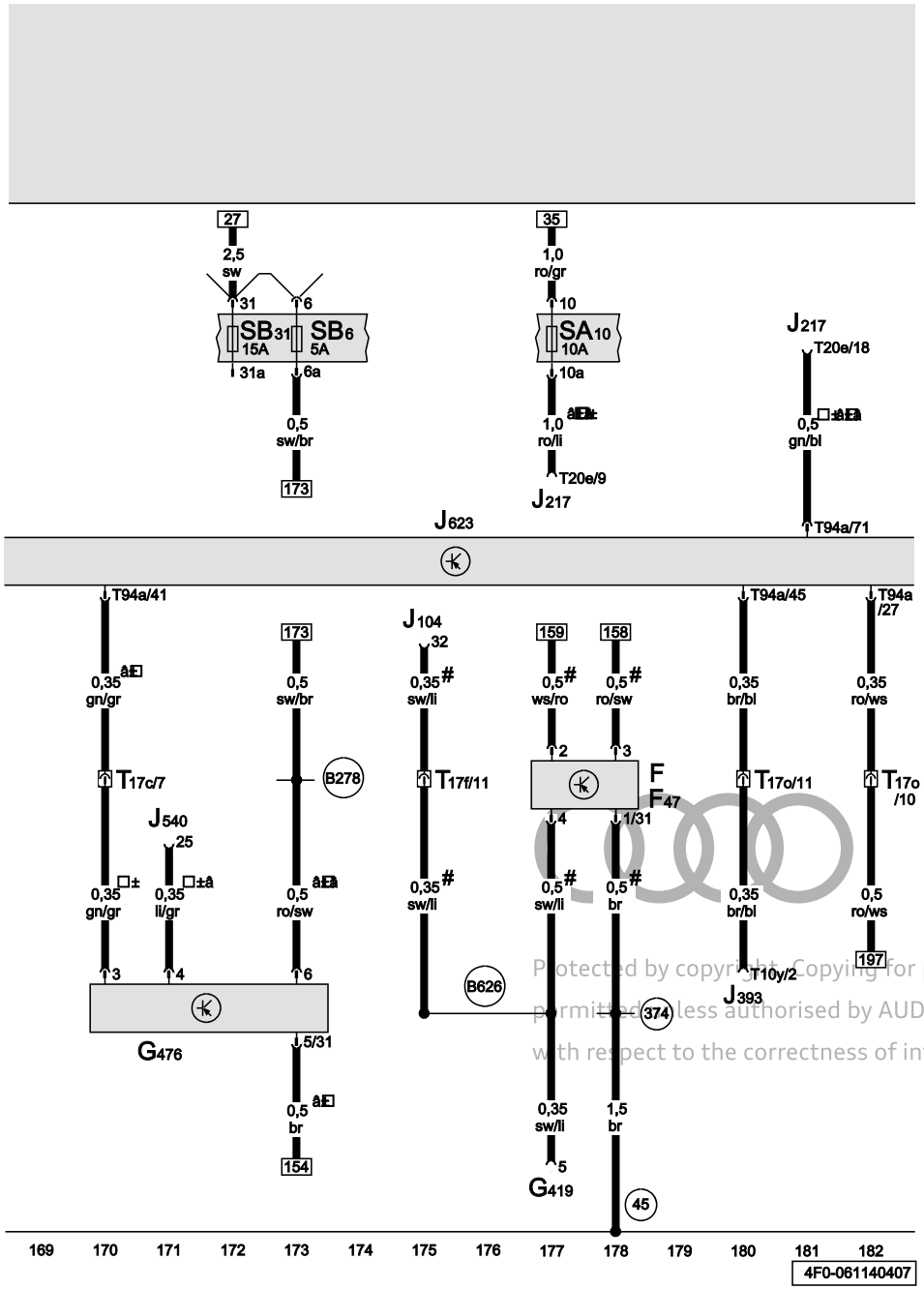


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Engine control unit, brake light switch, brake pedal switch, clutch pedal switch for engine start

F	Brake light switch
F47	Brake pedal switch
F194	Clutch pedal switch for engine start
J104	ABS control unit
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
E26	Connection (selector position P/N), in Motronic wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J
#	up to May 2007
##	from June 2007

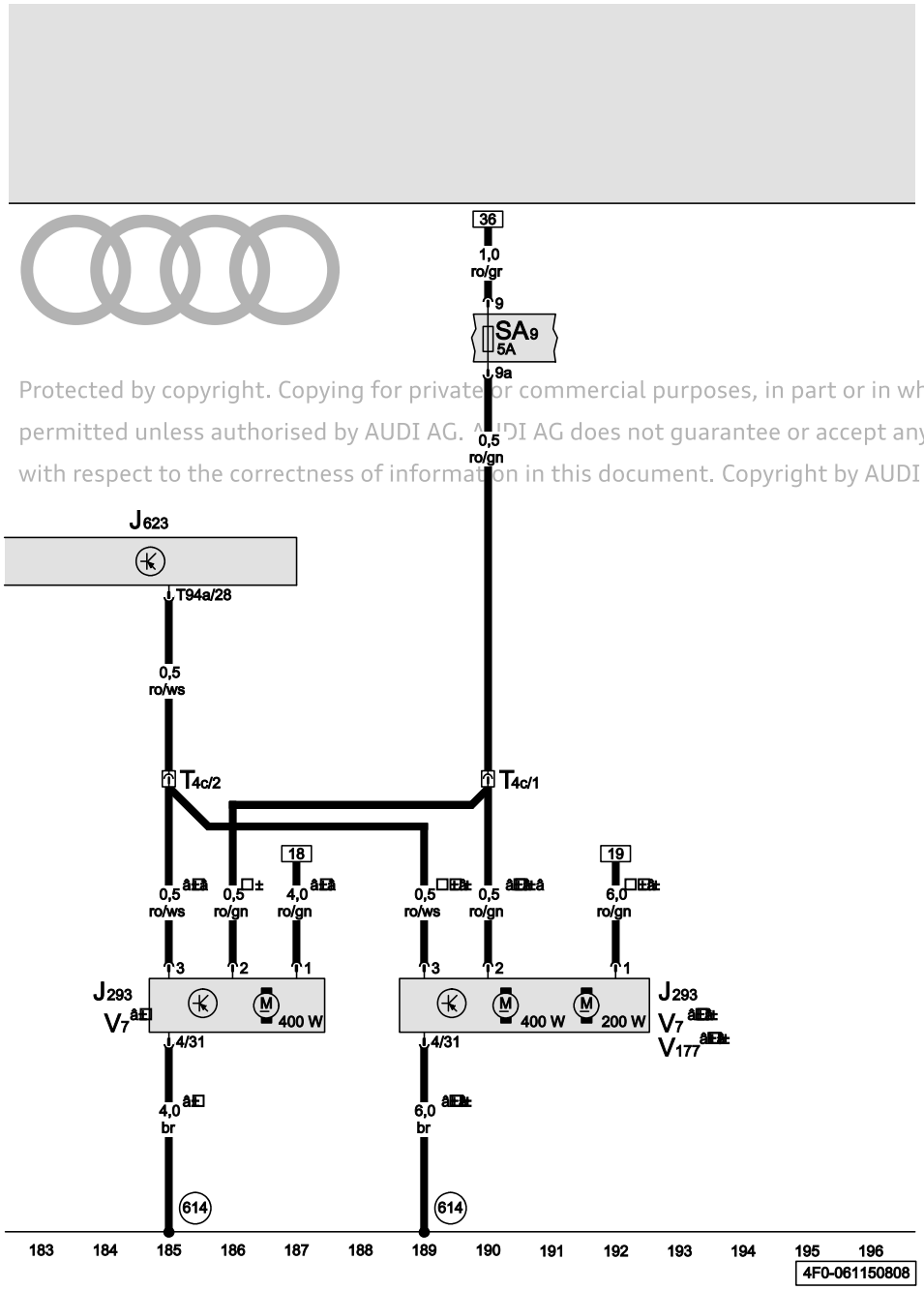


Engine control unit, clutch position sender, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
G476	Clutch position sender
J104	ABS control unit
J217	Automatic gearbox control unit
J393	Convenience system central control unit
J540	Electric park and handbrake control unit
J623	Engine control unit
SA10	Fuse 10 on fuse holder A
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T10y	10-pin connector, black, connector C, on convenience system control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94a	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J
#	from June 2007

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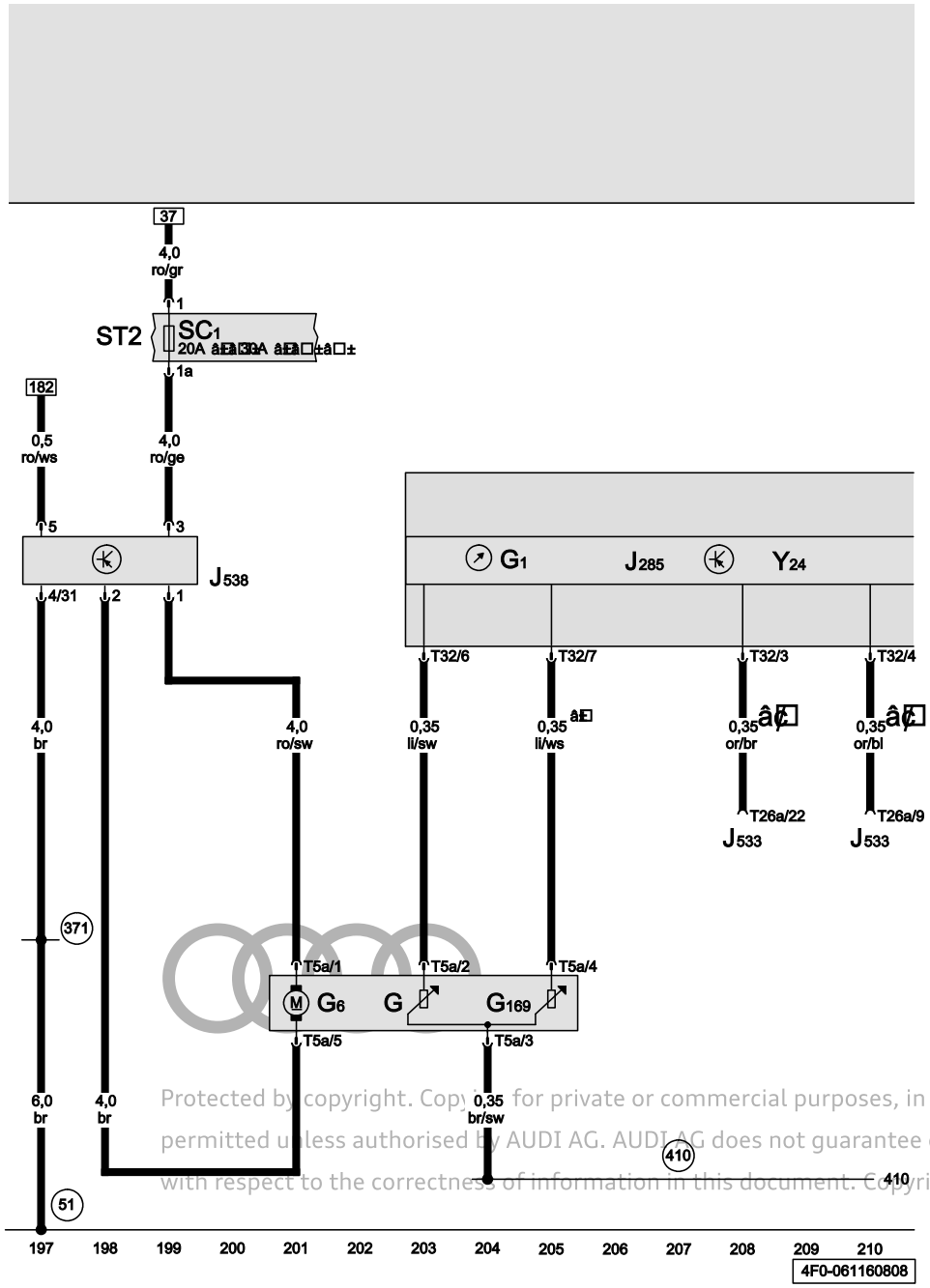


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Engine control unit, radiator fan

J293	Radiator fan control unit
J623	Engine control unit
SA9	Fuse 9 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
*	standard cooling
**	heavy-duty cooling

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

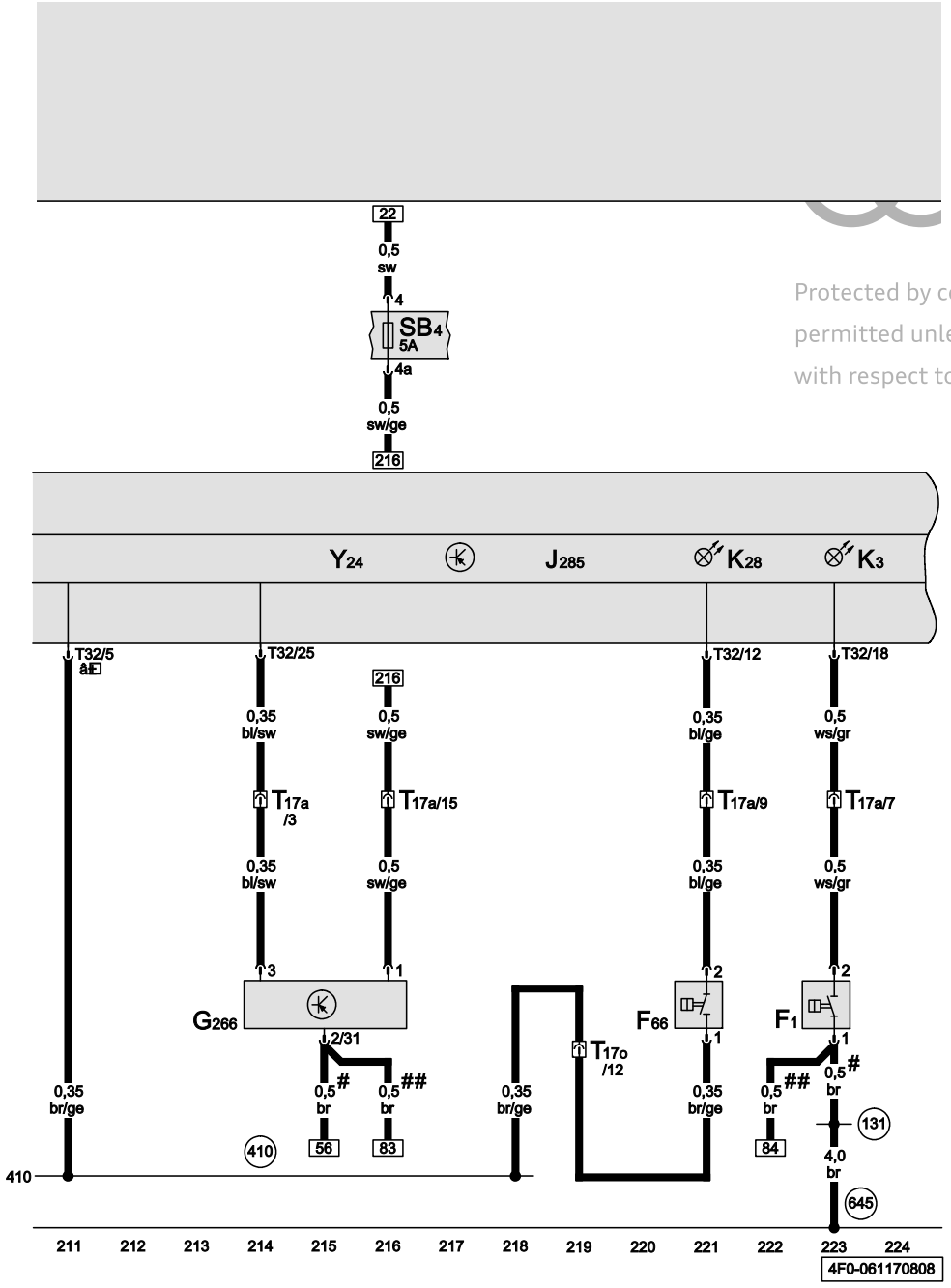
Control unit in dash panel insert, fuel gauge sender 2, fuel pump control unit, fuel gauge sender, fuel gauge, fuel system pressurisation pump

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J538	Fuel pump control unit
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive
**	up to May 2007
***	from June 2007

Control unit in dash panel insert, oil pressure switch, coolant shortage indicator switch, oil level and oil temperature sender

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
131	Earth connection 2, in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
645	Earth point 1, on bulkhead
*	output sender earth
#	up to May 2007
##	from June 2007

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Audi A6 2.4 l Fuel injection engine (130 kW - 6 cylinder), engine code BDW

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

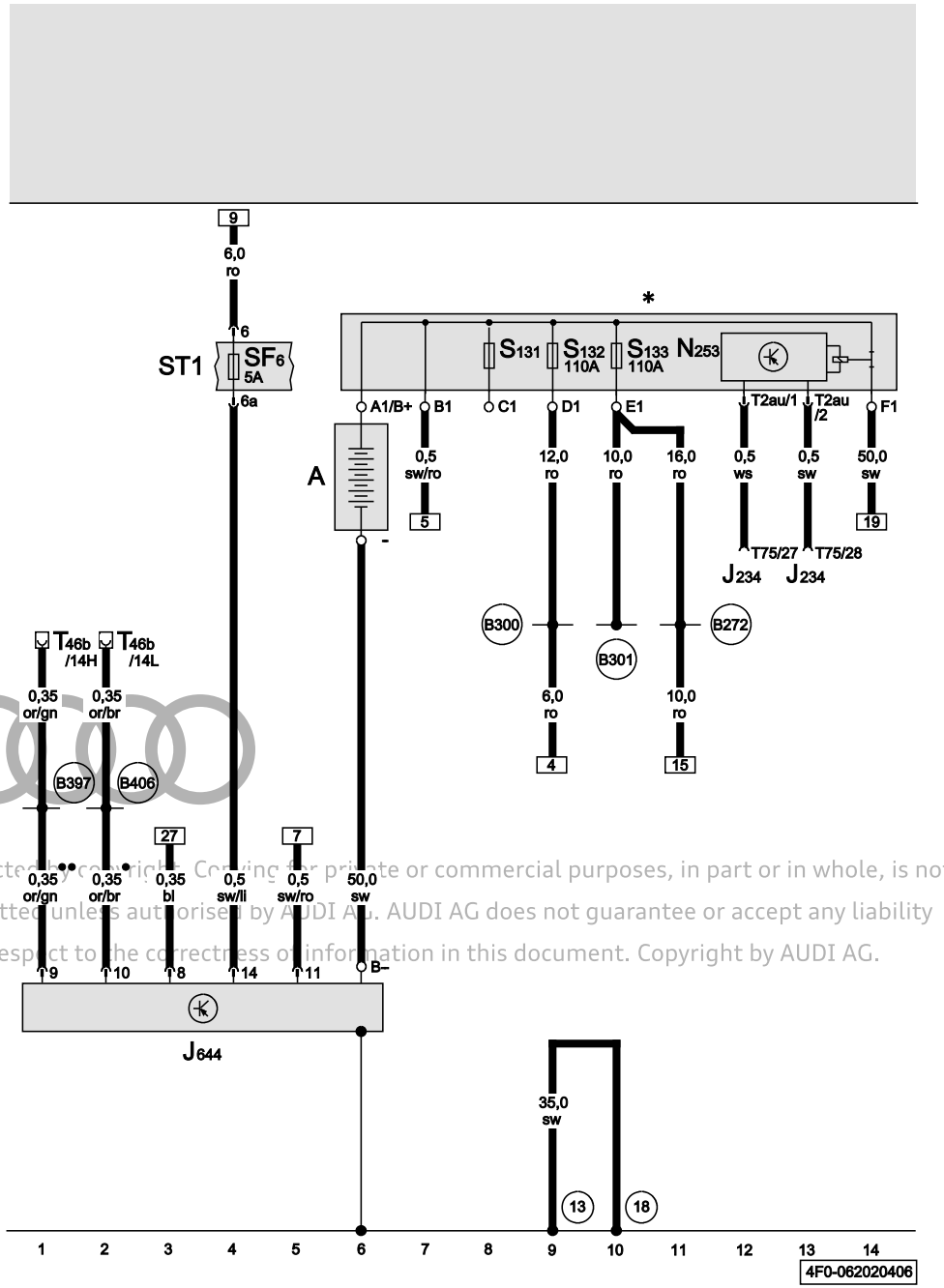
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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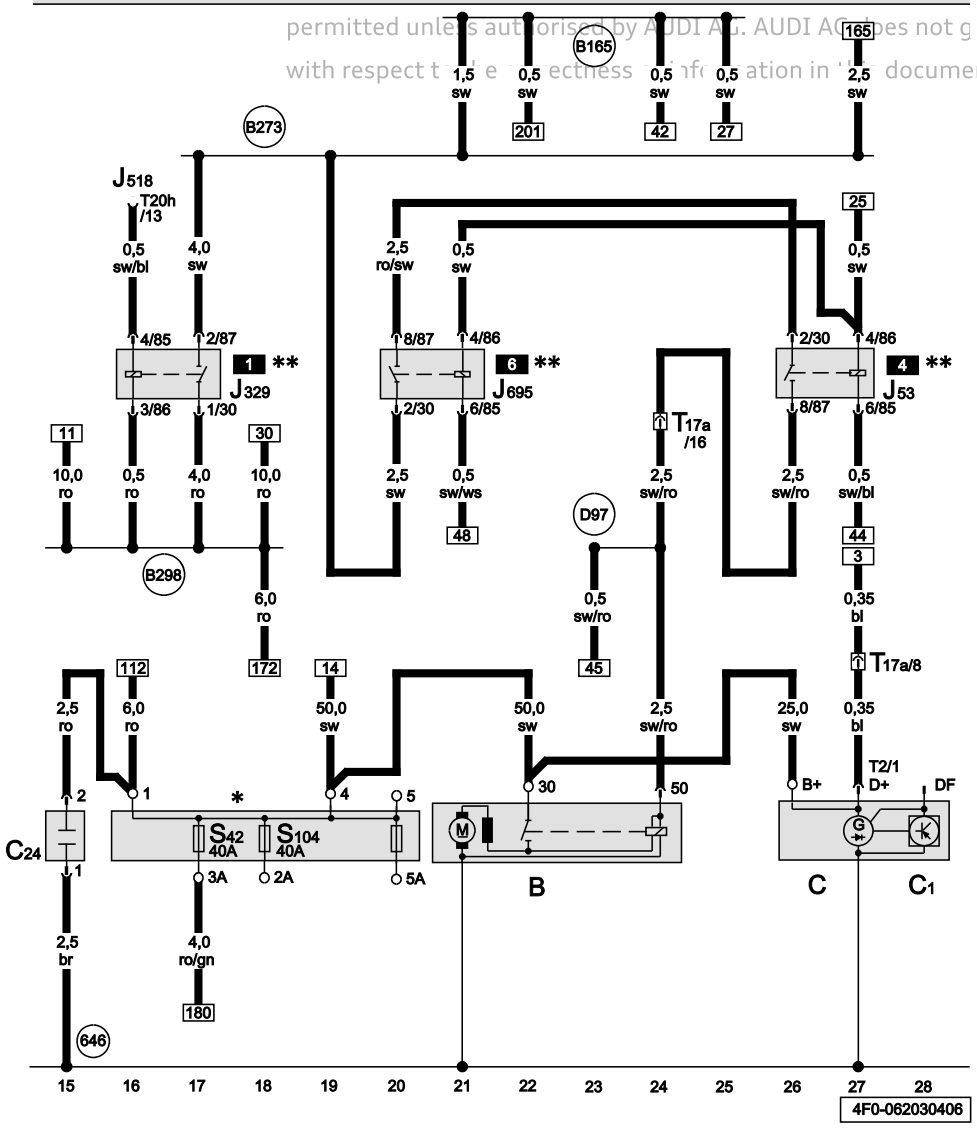
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Battery, energy management control unit, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
T2au	2-pin connector, purple, on battery isolation igniter
T46b	46-pin connector, CAN disconnector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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sw	=	black
ro	=	red
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gn	=	green
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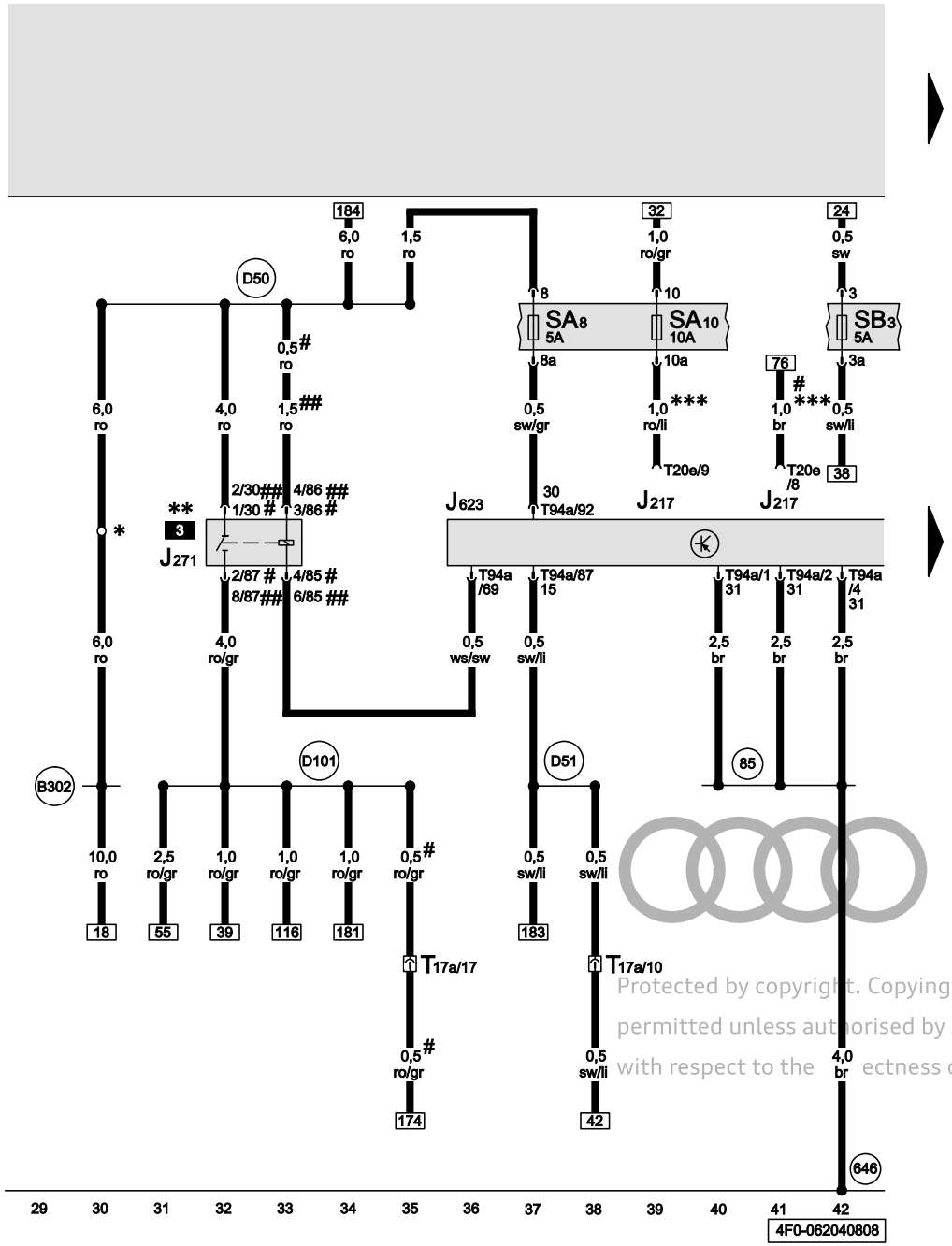
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Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	9-point relay carrier, behind driver storage compartment

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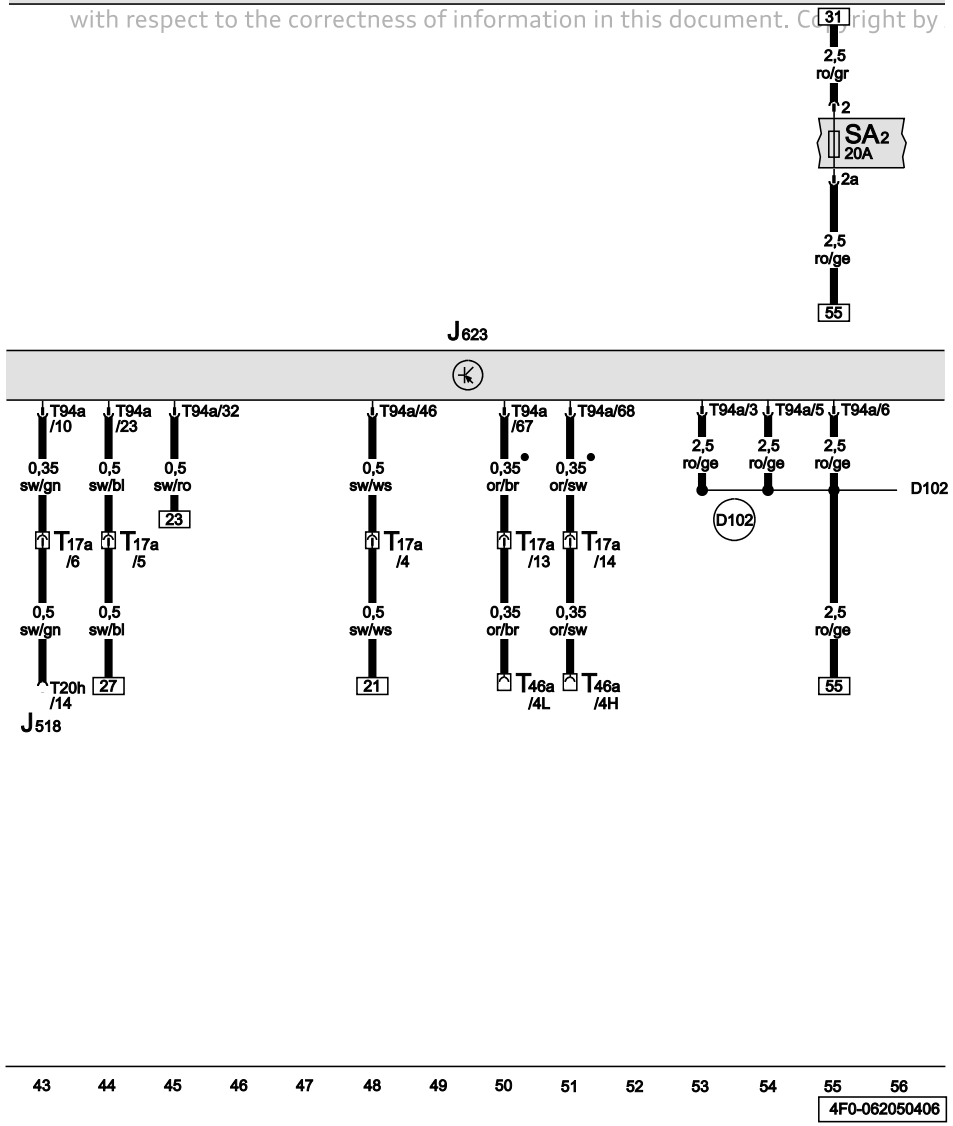
Engine control unit, Motronic current supply relay

J217	Automatic gearbox control unit
J271	Motronic current supply relay
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
SA10	Fuse 10 on fuse holder A
SB3	Fuse 3 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94a	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber
***	models with automatic gearbox 01J
#	up to May 2007
##	from June 2007

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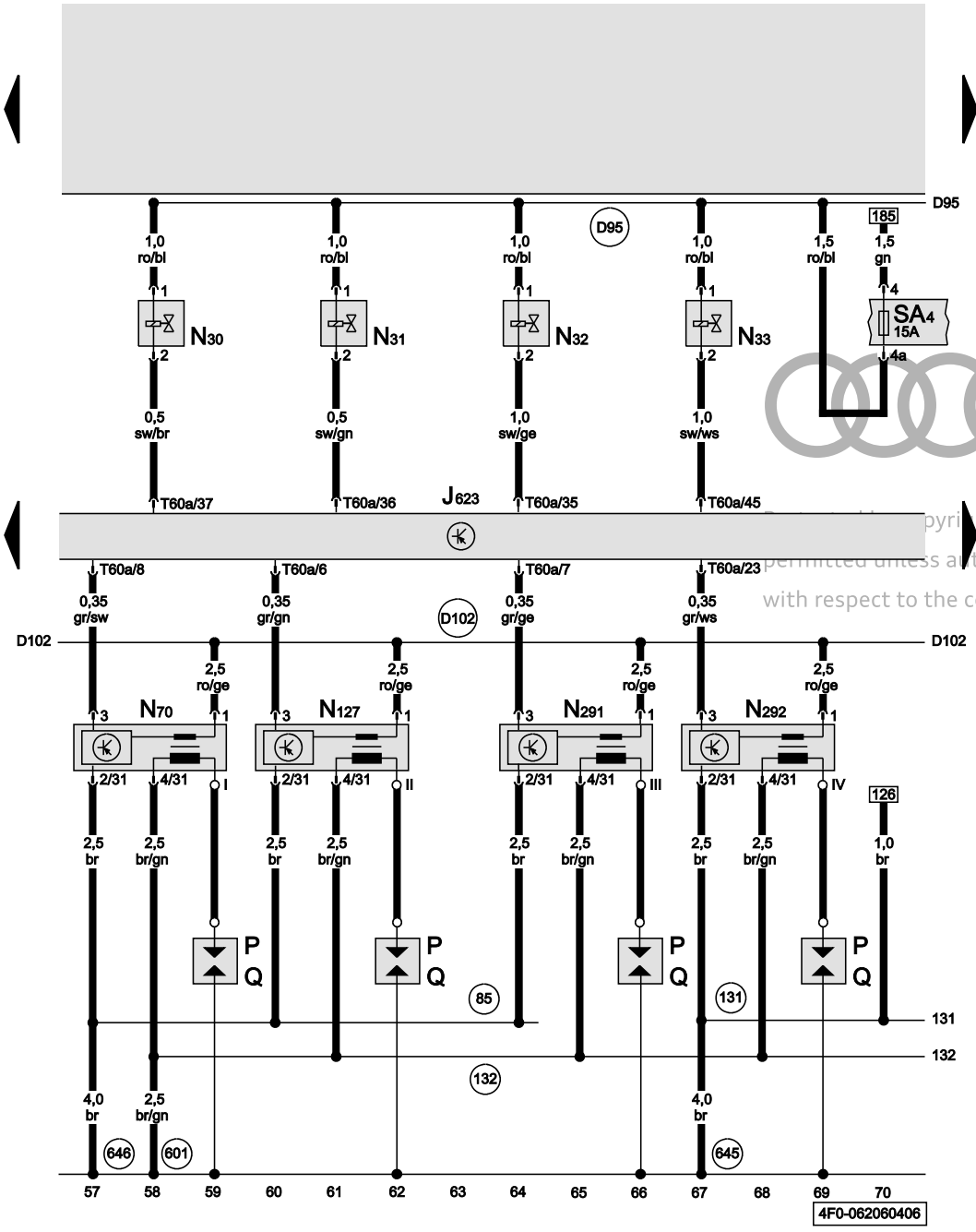


Engine control unit, CAN disconnector

J518	Entry and start authorisation control unit
J623	Engine control unit
SA2	Fuse 2 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN disconnector left
T94a	94-pin connector, black, connector B, on engine control unit
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)

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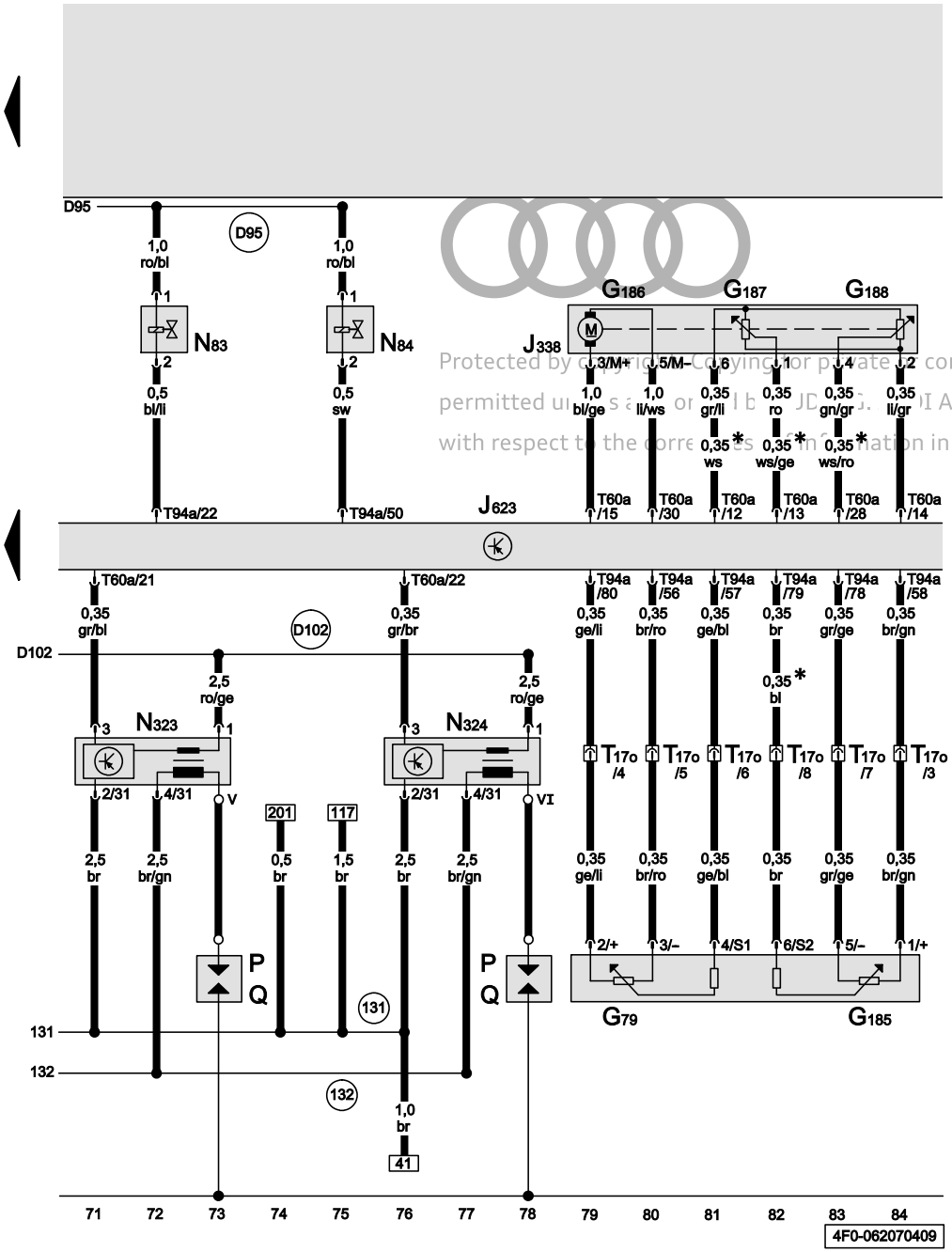
Engine control unit, injector for cylinders 1 - 4, ignition coils 1 - 4 with output stage



J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA4	Fuse 4 on fuse holder A
T60a	60-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness

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Engine control unit, injector, cylinder 5 and 6, ignition coil 5 and 6 with output stage, accelerator position sender, throttle valve module

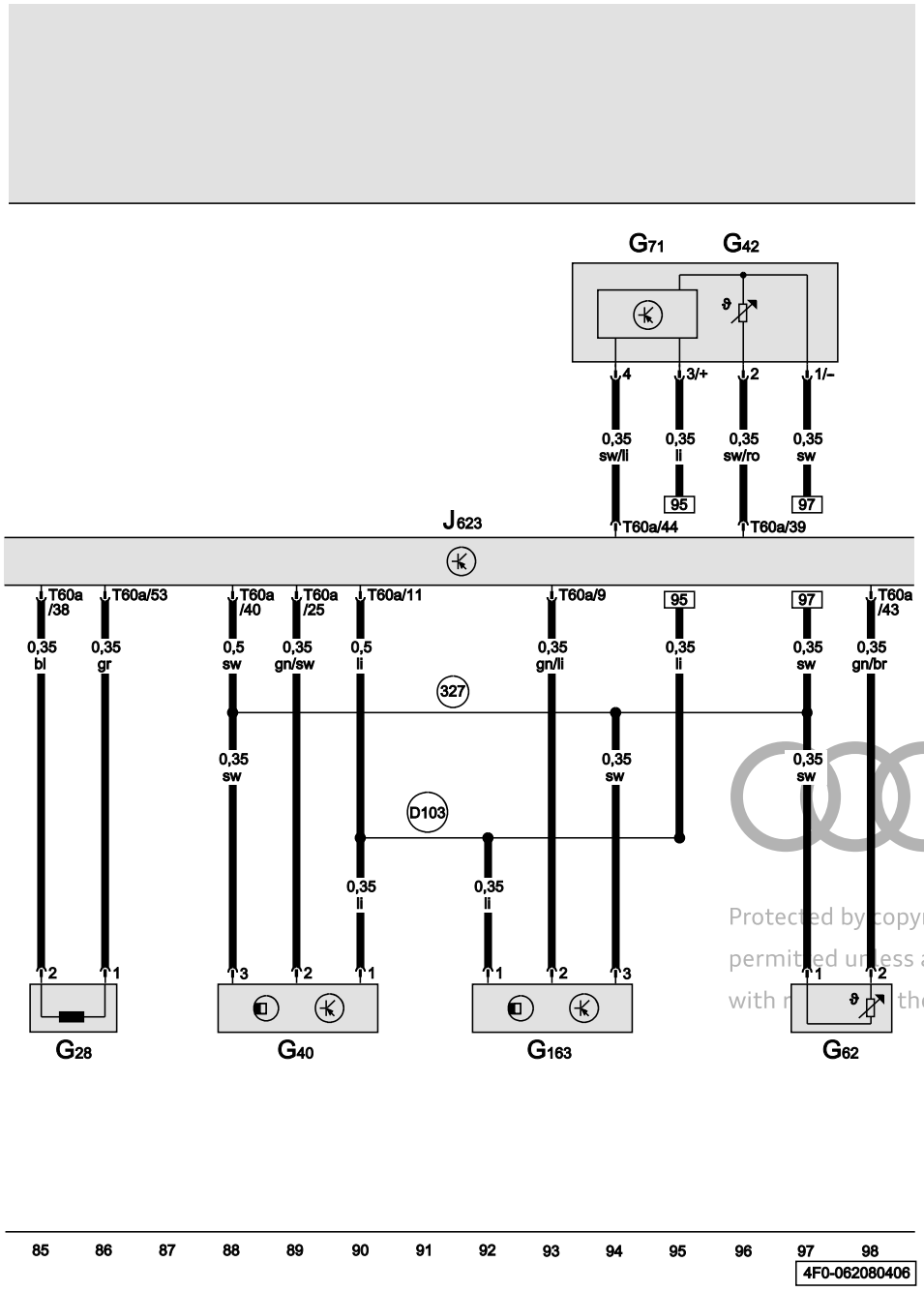
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine control unit
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	phased-in modification

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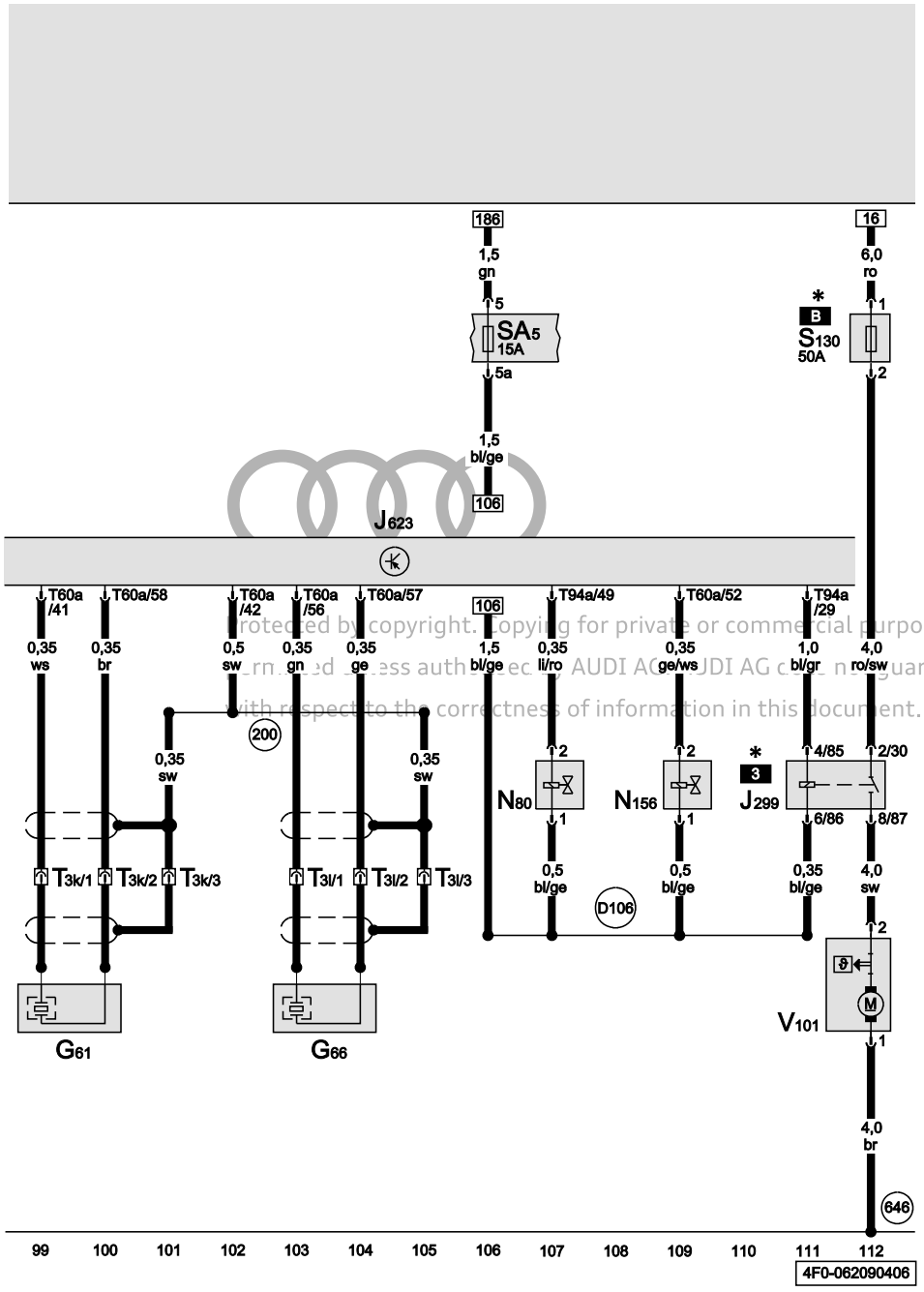
Engine control unit, engine speed sender, Hall sender, coolant temperature sender, intake manifold pressure sender, intake air temperature sender

G28	Engine speed sender
G40	Hall sender
G42	Intake air temperature sender
G62	Coolant temperature sender
G71	Intake manifold pressure sender
G163	Hall sender 2
J623	Engine control unit
T60a	60-pin connector, black, connector A, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness



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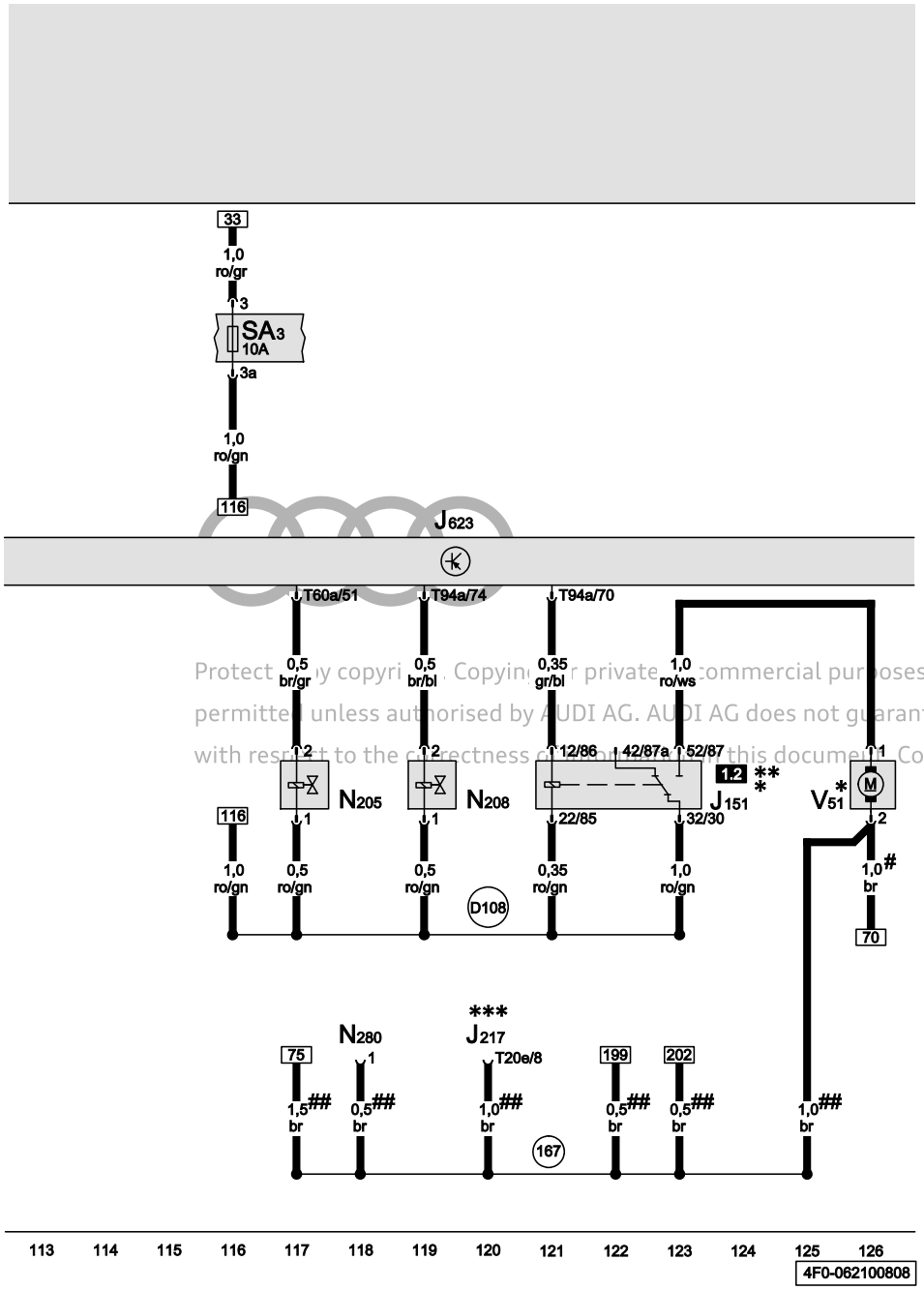
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Engine control unit, knock sensors, active charcoal filter system solenoid valve 1, variable intake manifold change-over valve, secondary air pump relay, secondary air pump motor

G61	Knock sensor 1
G66	Knock sensor 2
J299	Secondary air pump relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N156	Variable intake manifold change-over valve
S130	Secondary air pump fuse
SA5	Fuse 5 on fuse holder A
T3k	3-pin connector, green, on knock sensor 1
T3l	3-pin connector, grey, on knock sensor 2
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V101	Secondary air pump motor
200	Earth connection (screening) in engine compartment wiring harness
646	Earth point 2, on bulkhead
D106	Connection 4, in engine compartment wiring harness
*	Relay carrier electronics box on right in plenum chamber

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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Engine control unit, continued coolant circulation relay, inlet camshaft control valve, continued coolant circulation pump



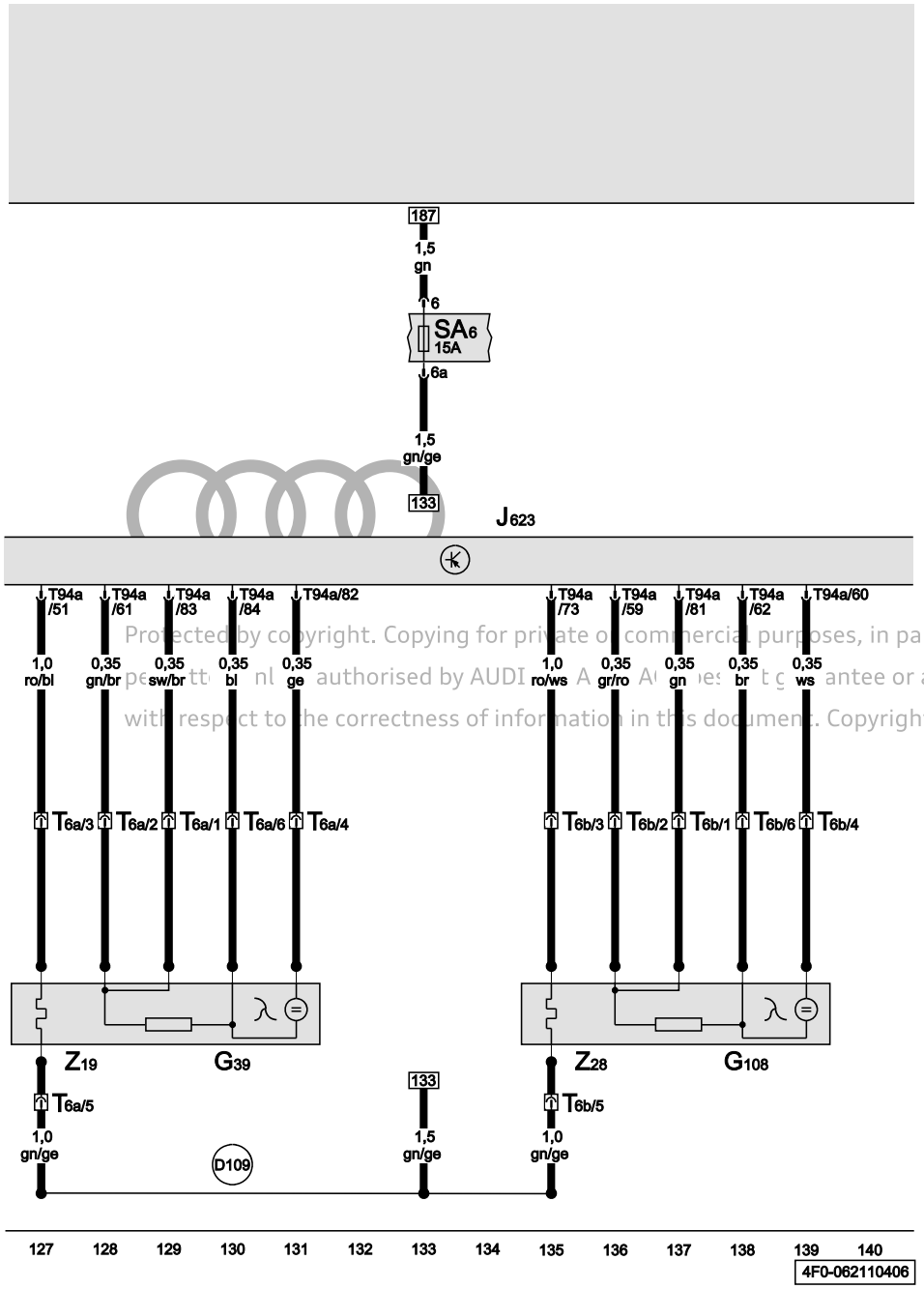
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J151	Continued coolant circulation relay
J217	Automatic gearbox control unit
J623	Engine control unit
N205	Inlet camshaft control valve 1
N208	Inlet camshaft control valve 2
N280	Air conditioning system compressor regulating valve
SA3	Fuse 3 on fuse holder A
T20e	20-pin connector, black, on automatic gearbox control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V51	Continued coolant circulation pump
167	Earth connection 4, in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
*	only countries with hot climate
**	Relay carrier electronics box left in plenum chamber
***	models with automatic gearbox 01J
#	up to May 2007
##	from June 2007

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br	=	brown
gn	=	green
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Engine control unit, lambda probe, lambda probe 2

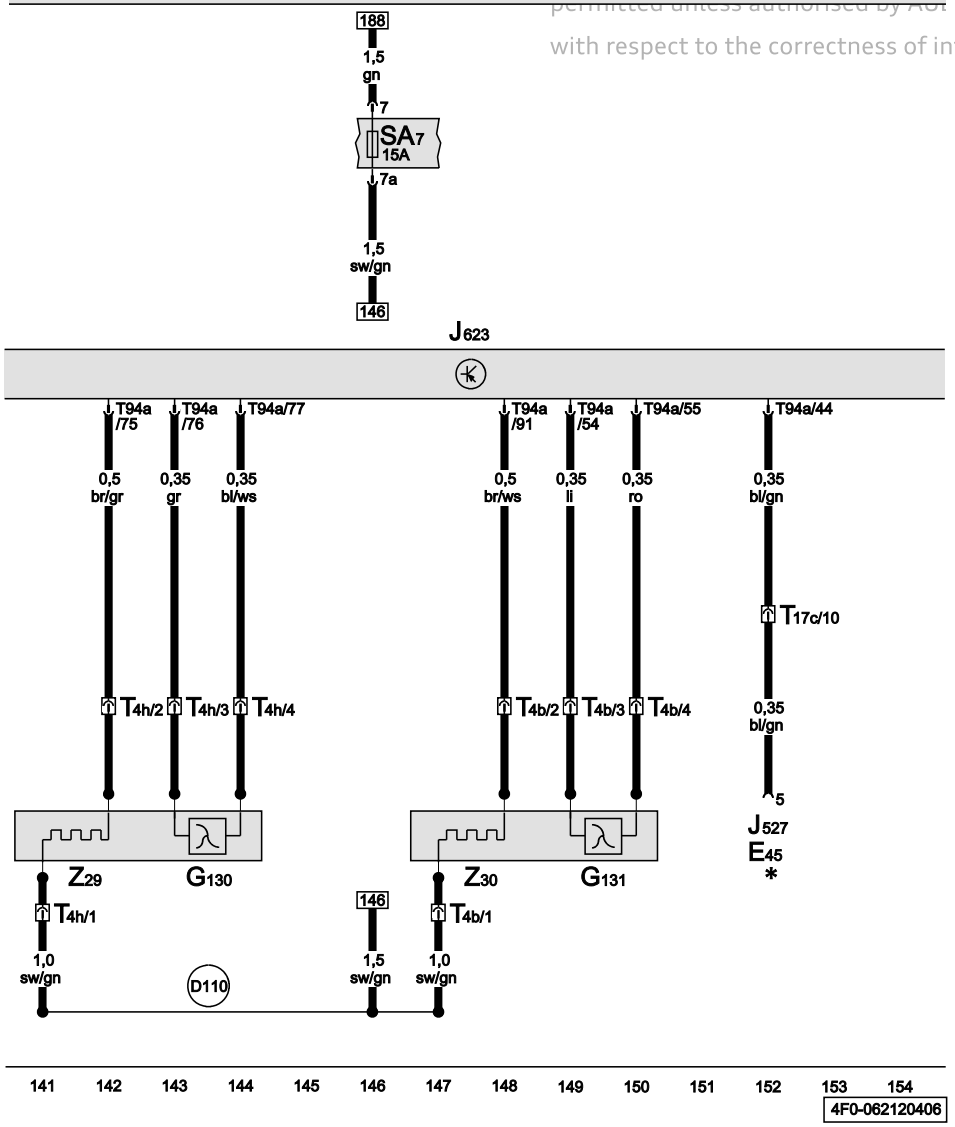
G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, for Lambda probe
T6b	6-pin connector, black, for Lambda probe 2
T94a	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D109	Connection 7, in engine compartment wiring harness



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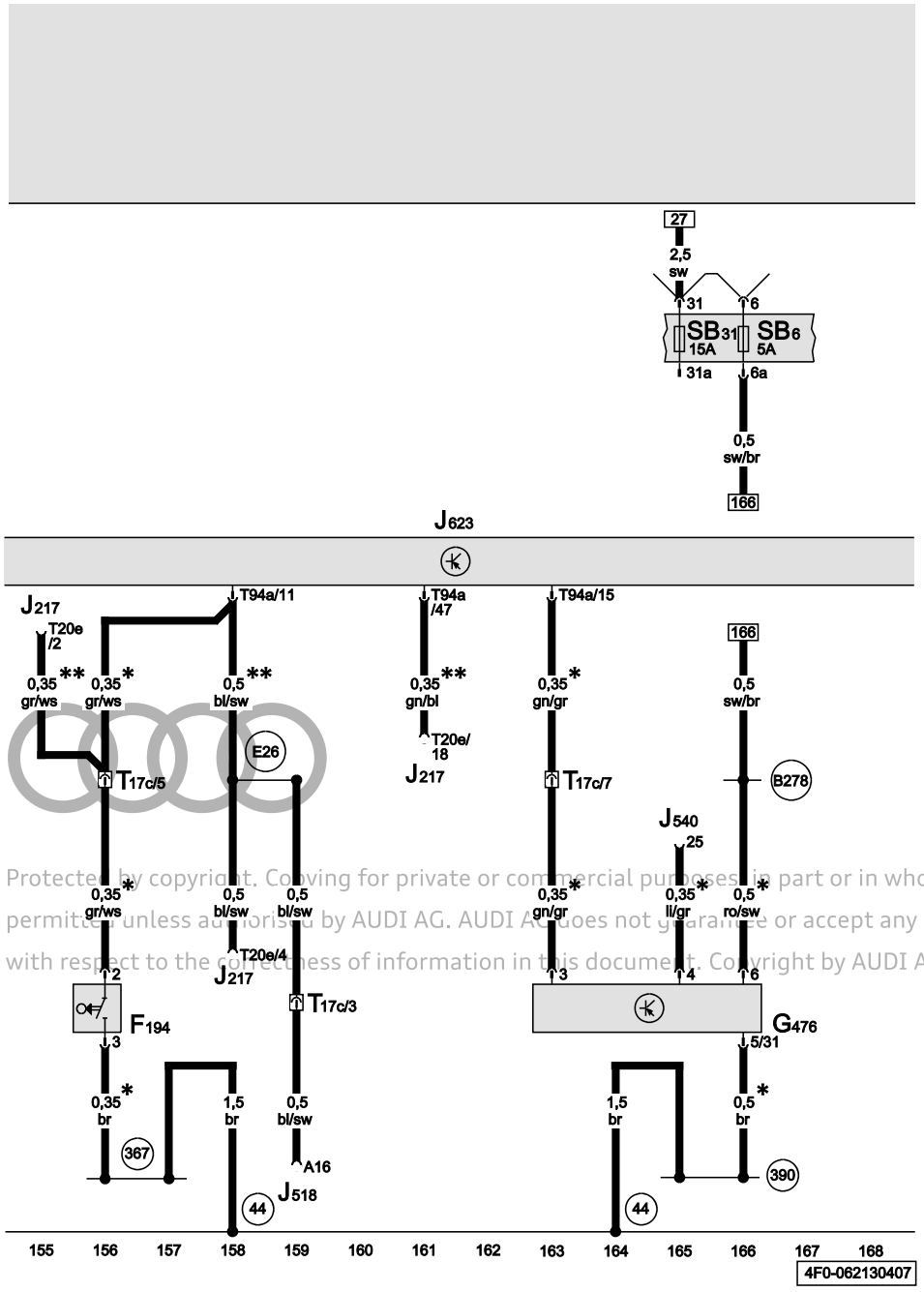


Engine control unit, lambda probes after catalytic converter

E45	Cruise control system switch
G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J527	Steering column electronics control unit
J623	Engine control unit
SA7	Fuse 7 on fuse holder A
T4b	4-pin connector, brown, for Lambda probe 2 after catalytic converter
T4h	4-pin connector, black, for Lambda probe after catalytic converter
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D110	Connection 8, in engine compartment wiring harness
*	models with cruise control system

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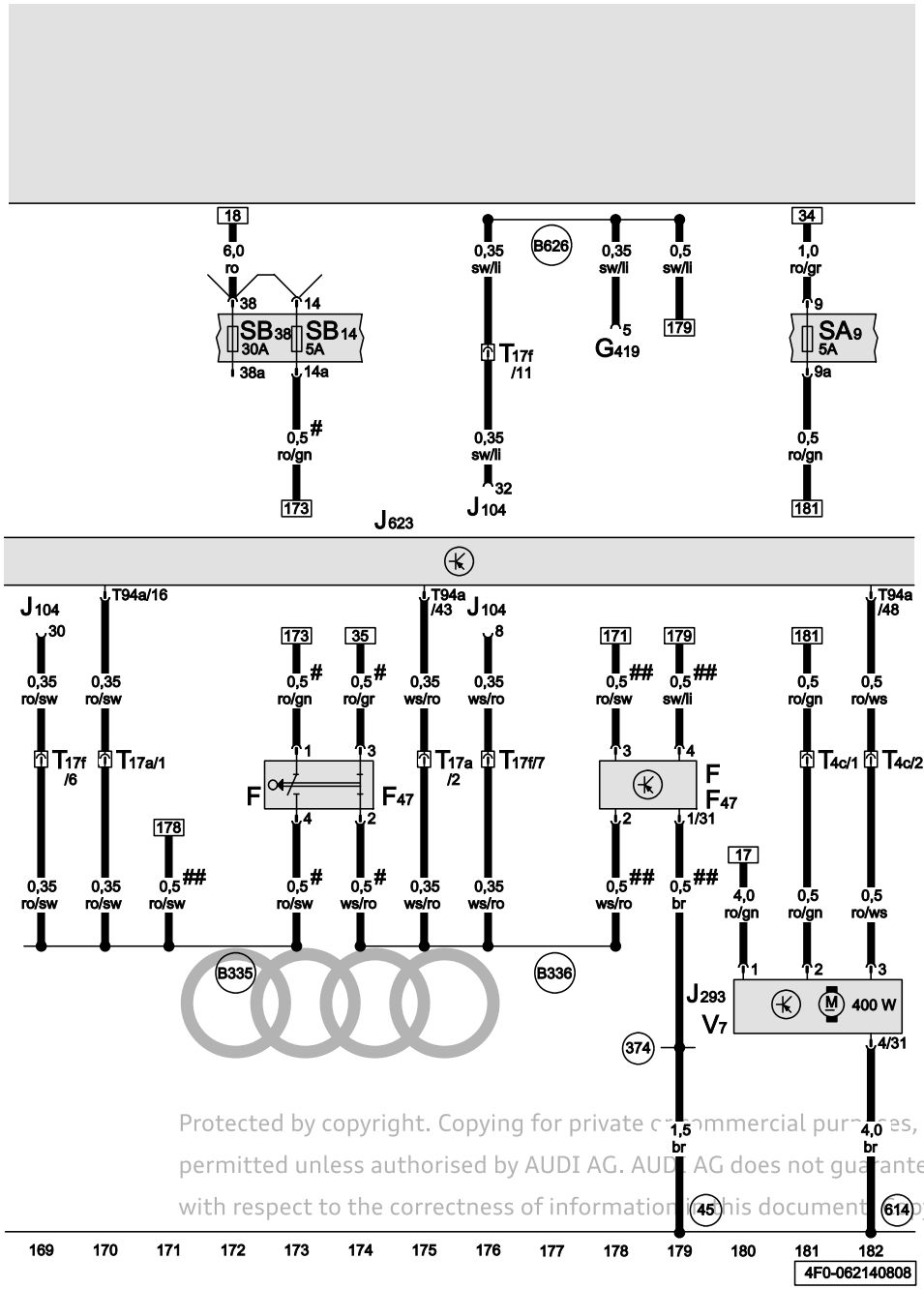
Engine control unit, clutch pedal switch for engine start, clutch position sender



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F194	Clutch pedal switch for engine start
G476	Clutch position sender
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J540	Electric park and handbrake control unit
J623	Engine control unit
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J

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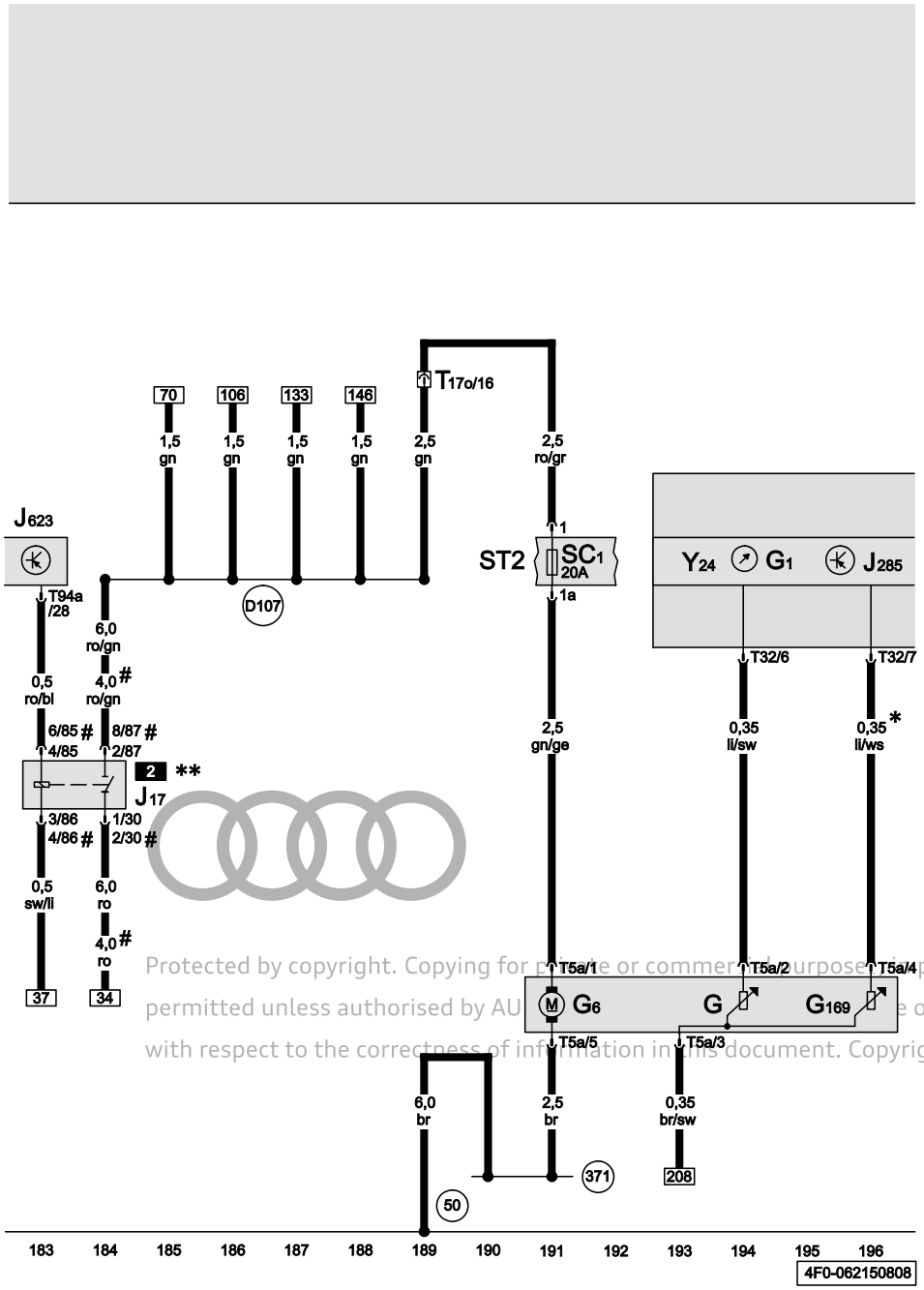


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Engine control unit, brake light switch, brake pedal switch, radiator fan

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J293	Radiator fan control unit
J623	Engine control unit
SA9	Fuse 9 on fuse holder A
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
614	Earth point 2, on right in engine compartment
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
#	up to May 2007
##	from June 2007

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rs	=	pink



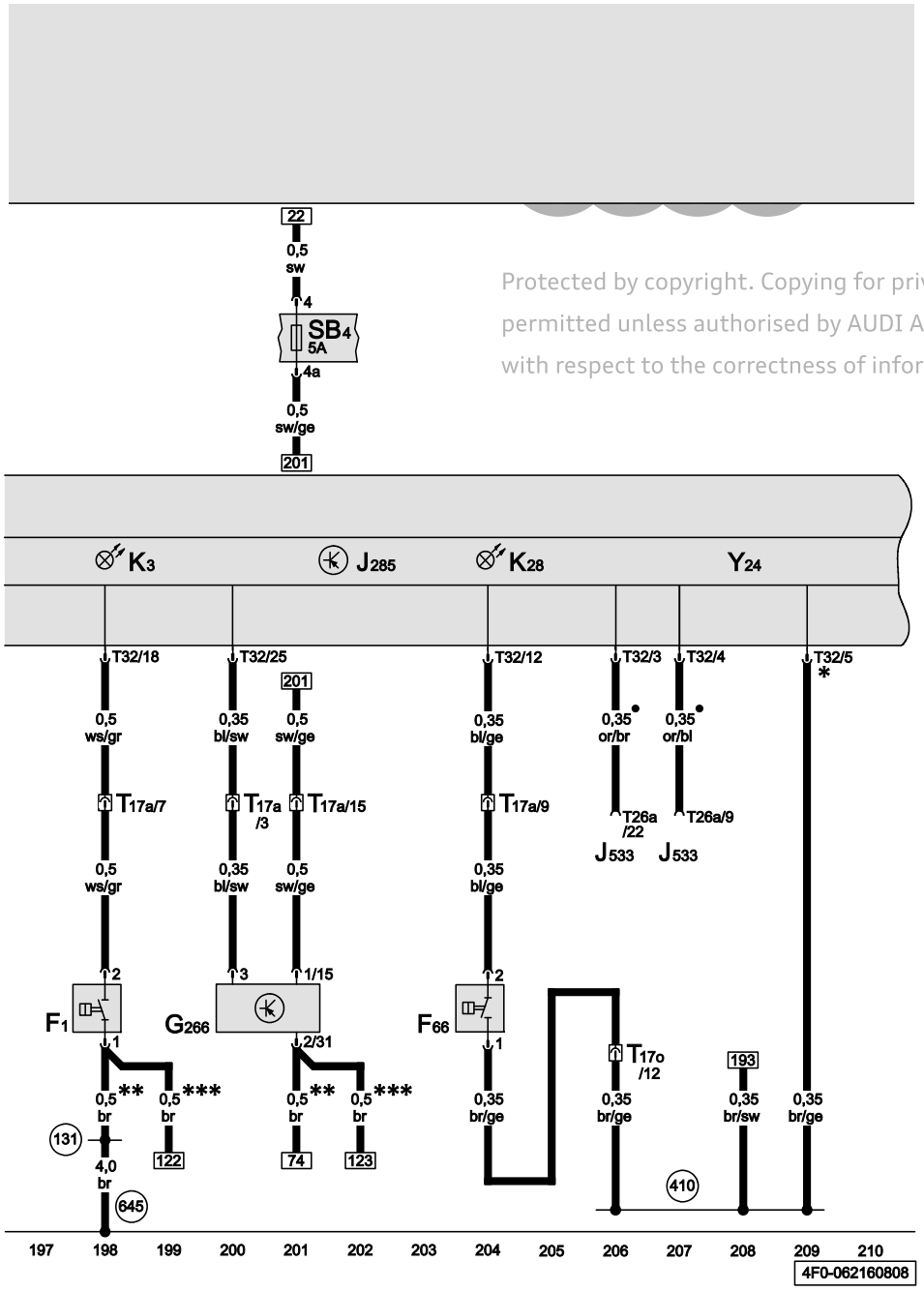
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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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Control unit in dash panel insert, fuel pump relay, fuel system pressurisation pump, fuel gauge sender, fuel gauge

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
J623	Engine control unit
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
T94a	94-pin connector, black, connector B, on engine control unit
Y24	Display in dash panel insert
50	Earth point, on left in luggage compartment
371	Earth connection 6, in main wiring harness
D107	Connection 5, in engine compartment wiring harness
*	only four-wheel drive
**	Relay carrier electronics box left in plenum chamber
#	from June 2007

Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil pressure switch, coolant shortage indicator switch, oil level and oil temperature sender



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F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
131	Earth connection 2, in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
645	Earth point 1, on bulkhead
•	CAN bus (data wire)
*	output sender earth
**	up to May 2007
***	from June 2007

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ro	=	red
br	=	brown
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Audi A6 3.0 l - Fuel injection engine (160 kW - Motronic - 6 cylinder), engine code BBJ

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

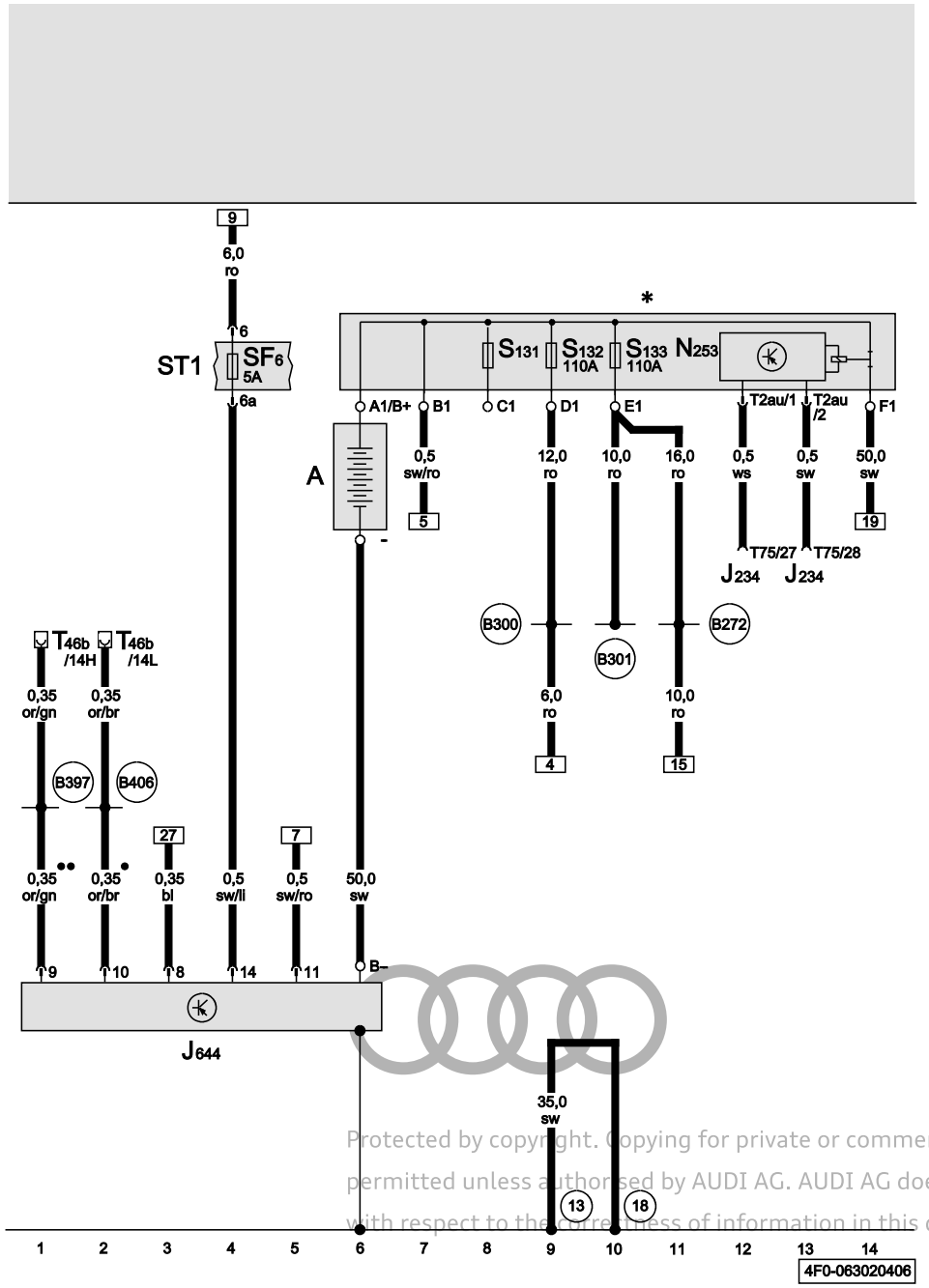
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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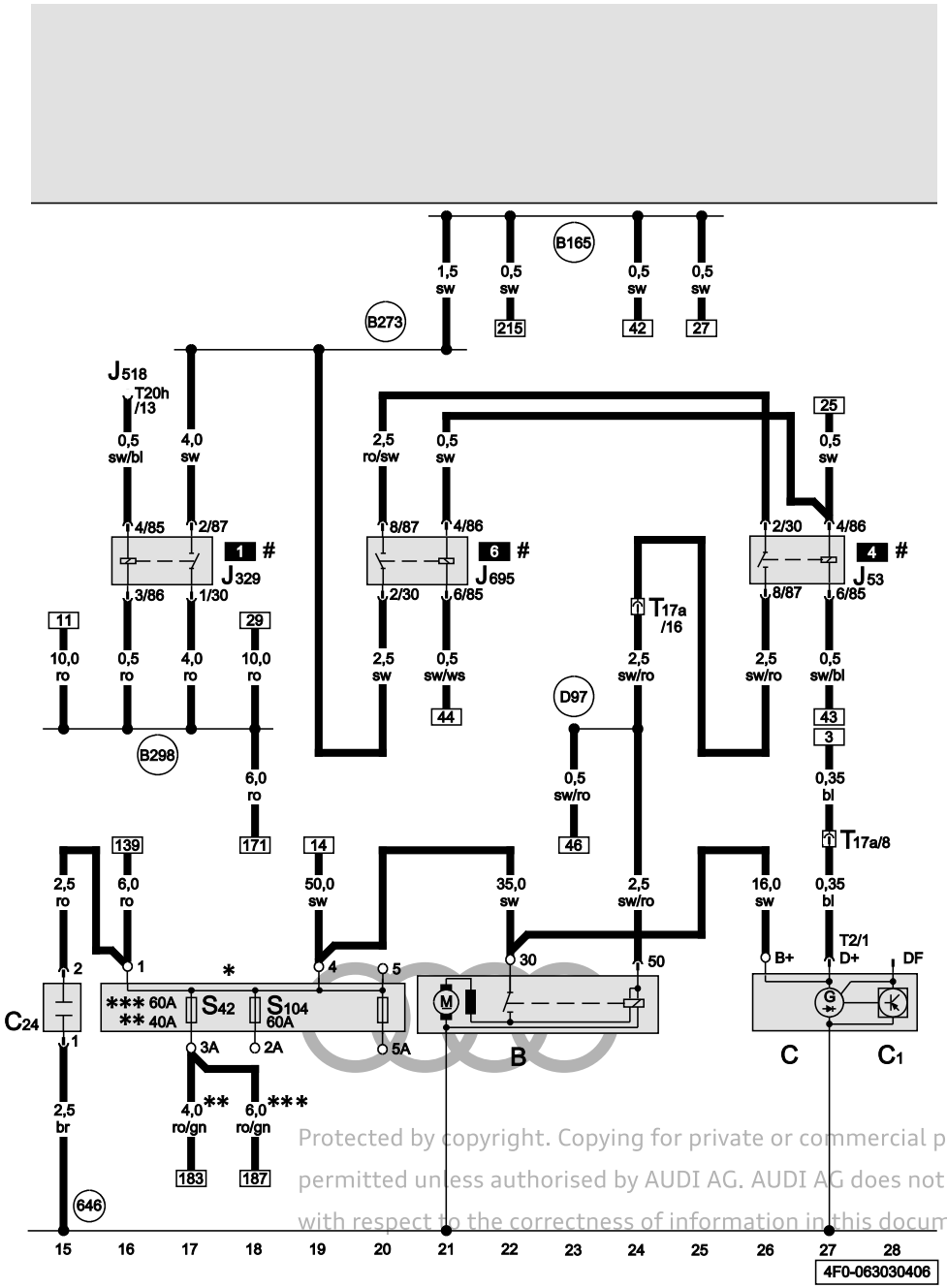


Battery, energy management control unit, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
T2au	2-pin connector, purple, on battery isolation igniter
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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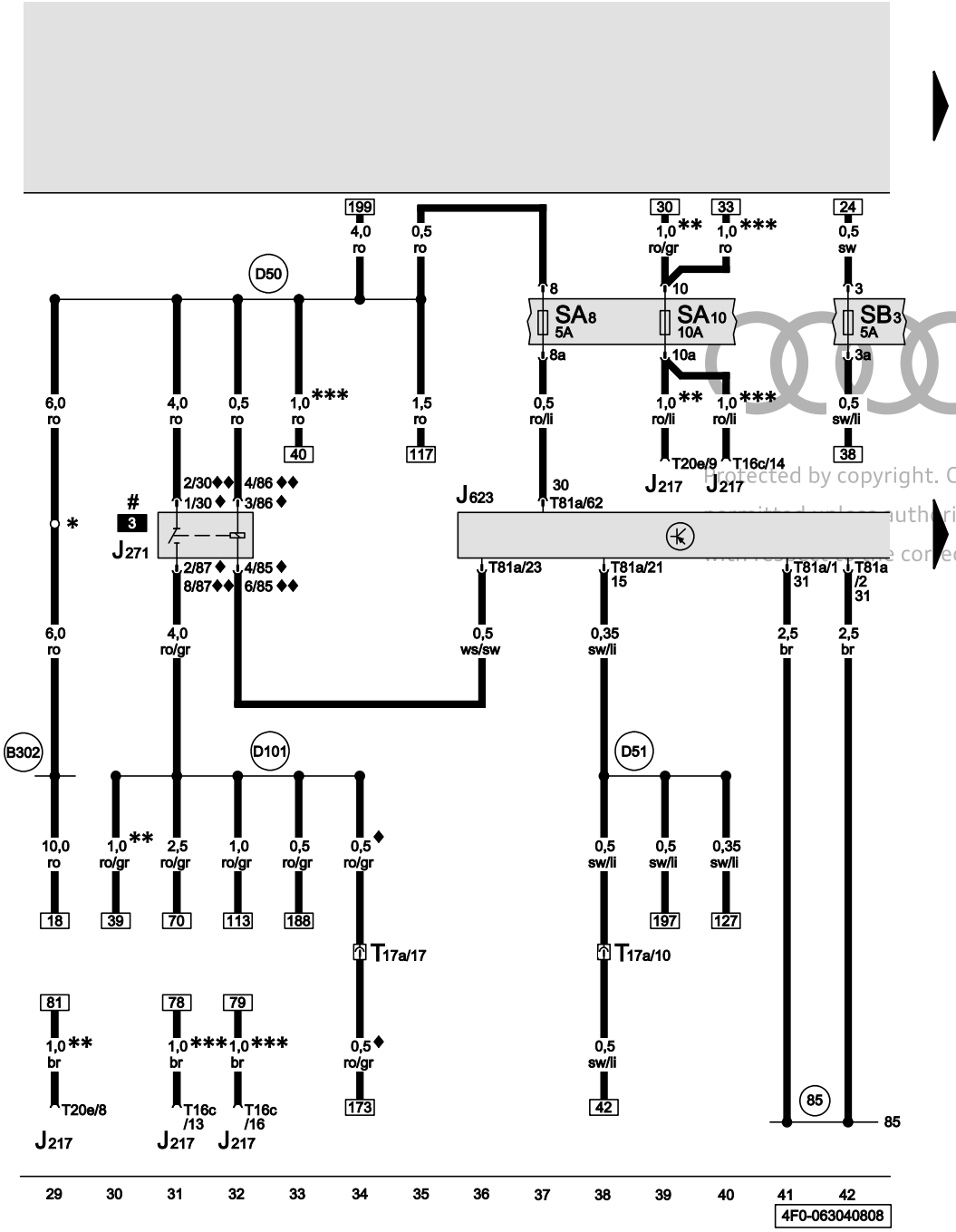


Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	models without trailer towing attachment
***	models with trailer towing attachment
#	9-point relay carrier, behind driver storage compartment

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sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
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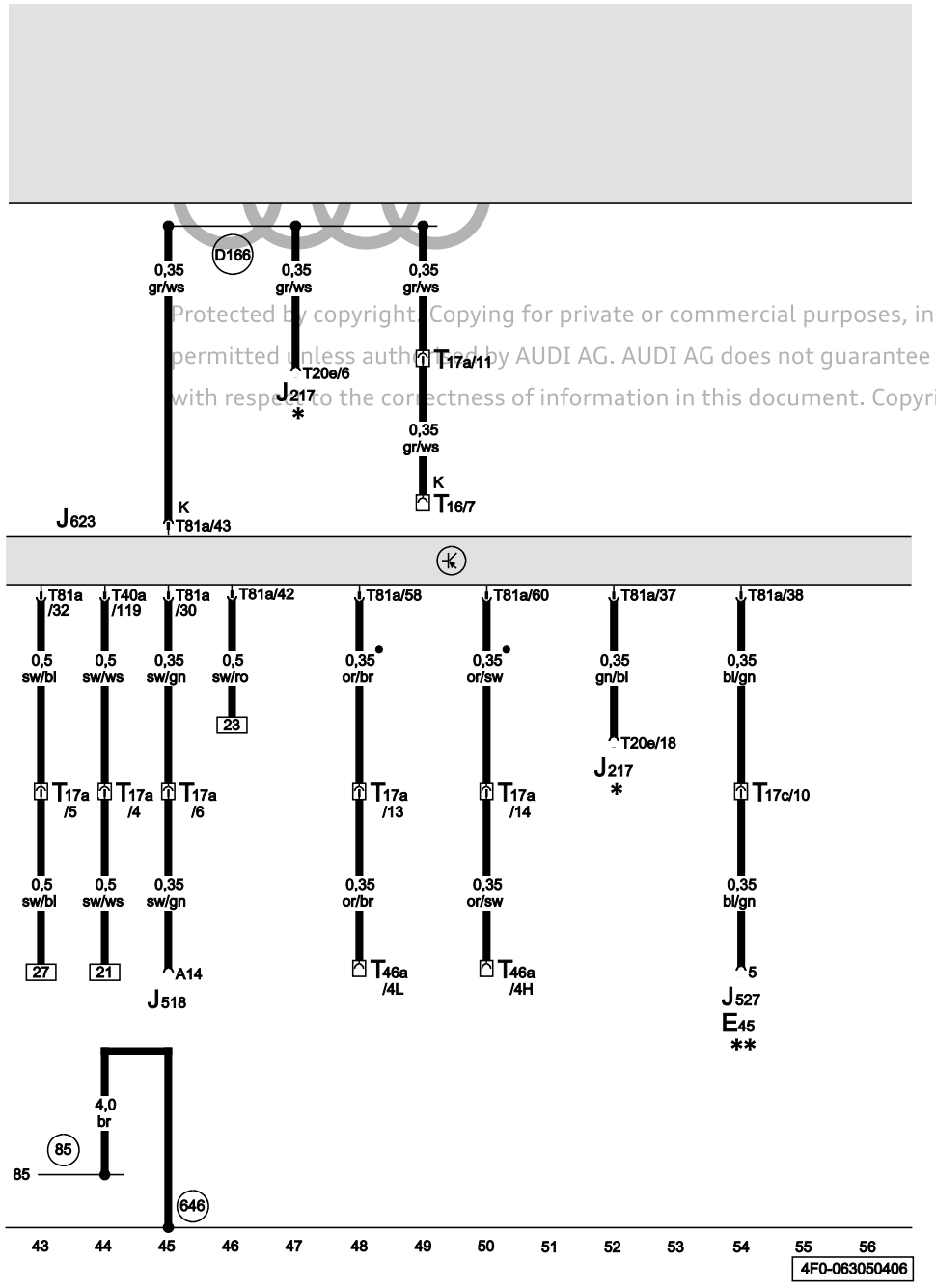


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Engine control unit, Motronic current supply relay

J217	Automatic gearbox control unit
J271	Motronic current supply relay
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
SA10	Fuse 10 on fuse holder A
SB3	Fuse 3 on fuse holder B
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T81a	81-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	models with automatic gearbox 01J
***	models with automatic gearbox 09L
#	Relay carrier electronics box left in plenum chamber
♦	up to May 2007
♦♦	from June 2007

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sw	=	black
ro	=	red
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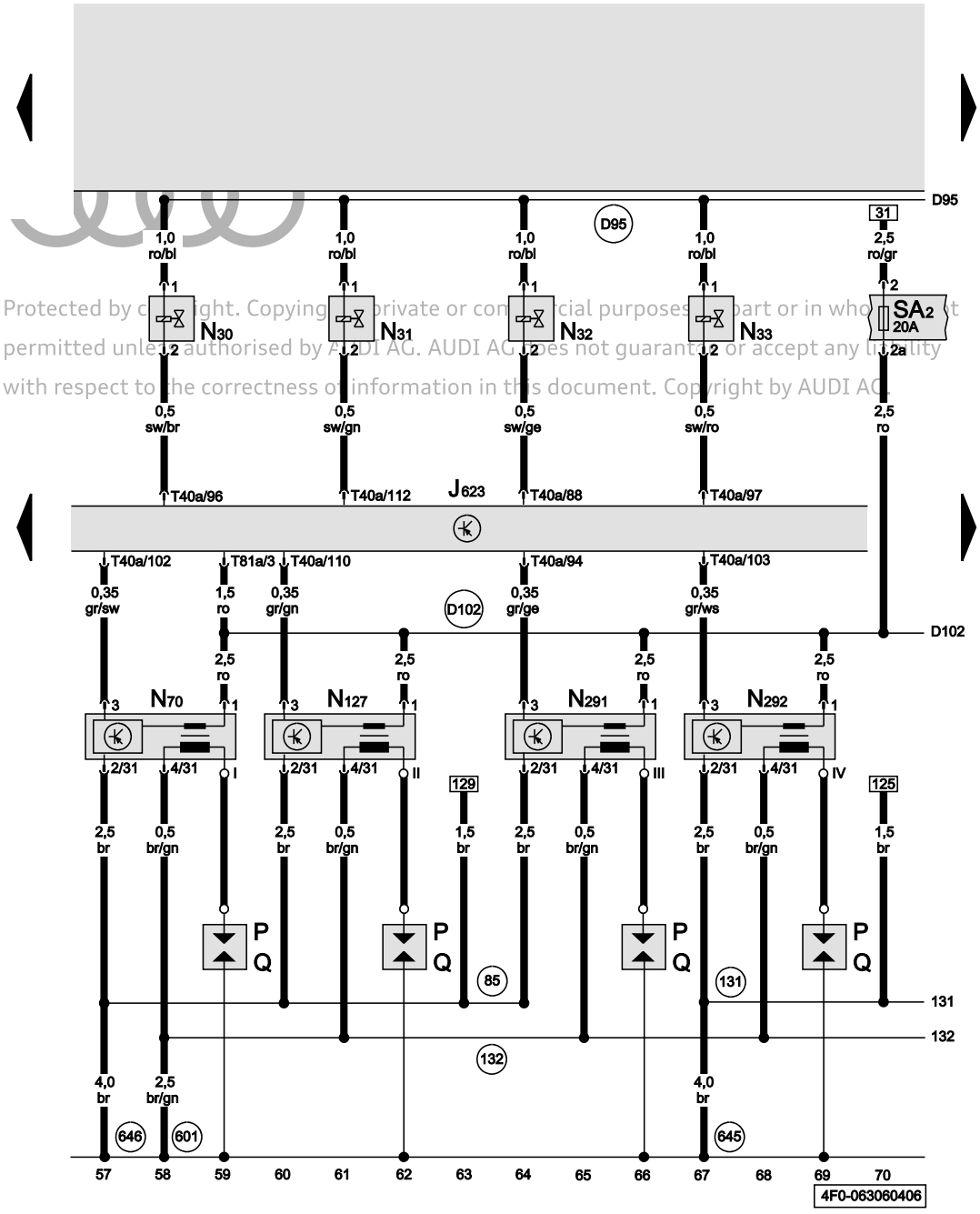


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Engine control unit, CAN separating connector, earth connections

E45	Cruise control system switch
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16	16-pin connector, diagnostic connector
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T40a	40-pin connector, black, connector B, on engine control unit
T46a	46-pin connector, CAN separating connector left
T81a	81-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
•	CAN bus (data wire)
*	models with automatic gearbox 01J
**	models with cruise control system

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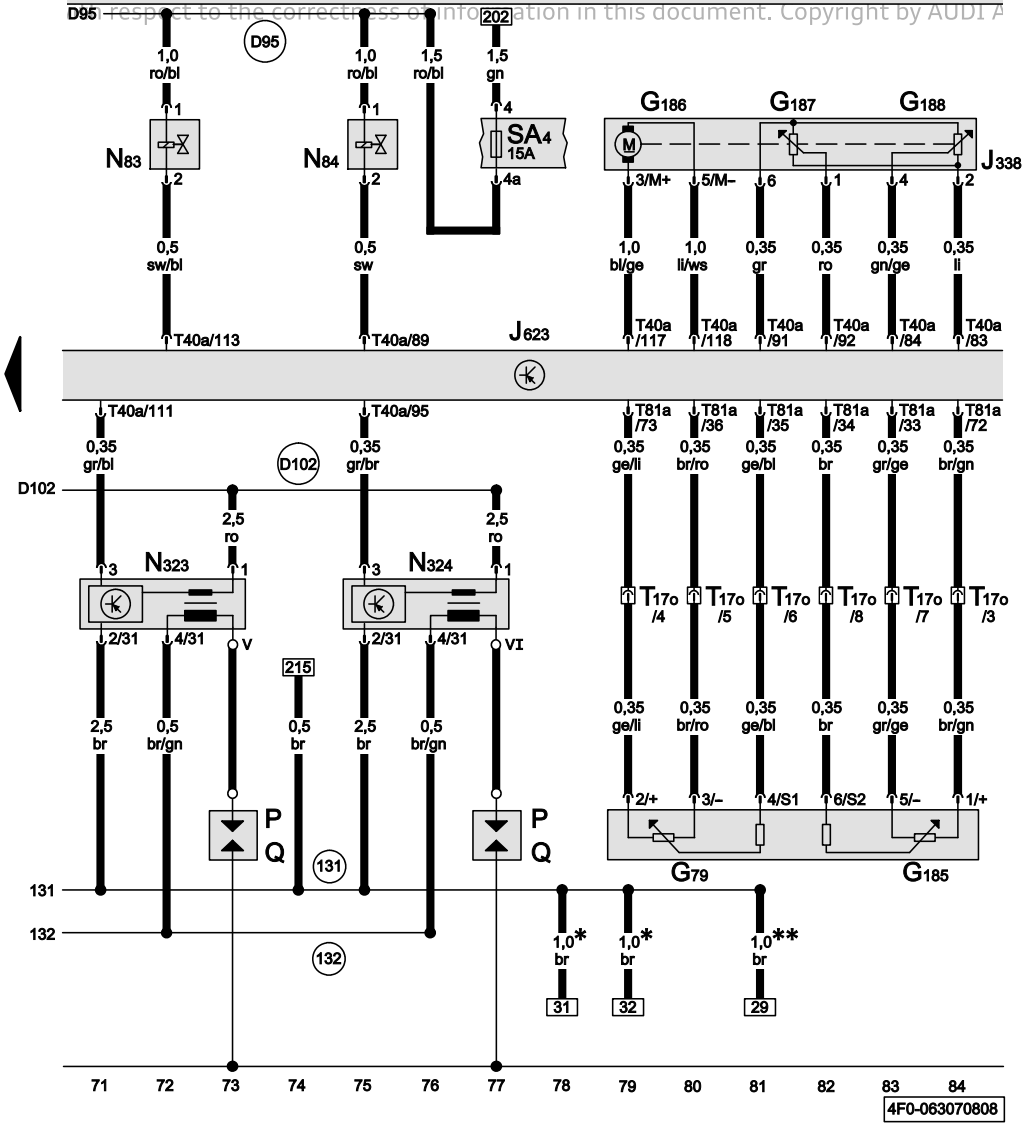
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Engine control unit, injector, cylinder 1 - 4, ignition coil 1 - 4 with output stage

J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness

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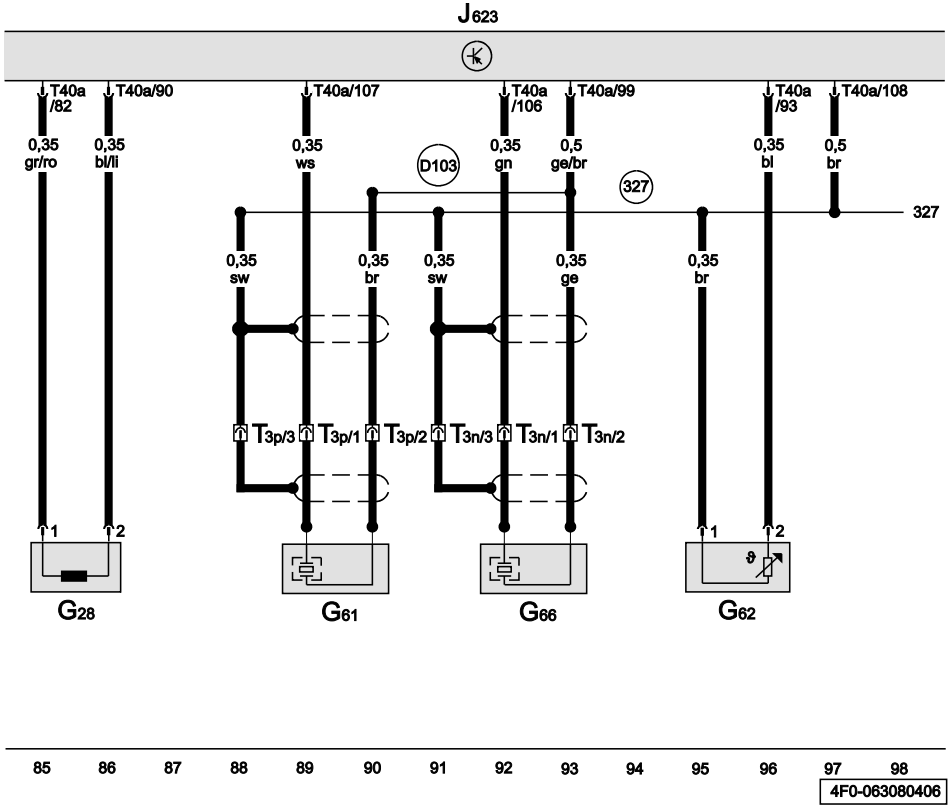
Engine control unit, injector, cylinder 5 and 6, ignition coil 5 and 6 with output stage, accelerator position sender, throttle valve module

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
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 control unit
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
SA4	Fuse 4 on fuse holder A
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	models with automatic gearbox 09L
**	models with automatic gearbox 01J

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Engine control unit, engine speed sender, coolant temperature sender, knock sensors

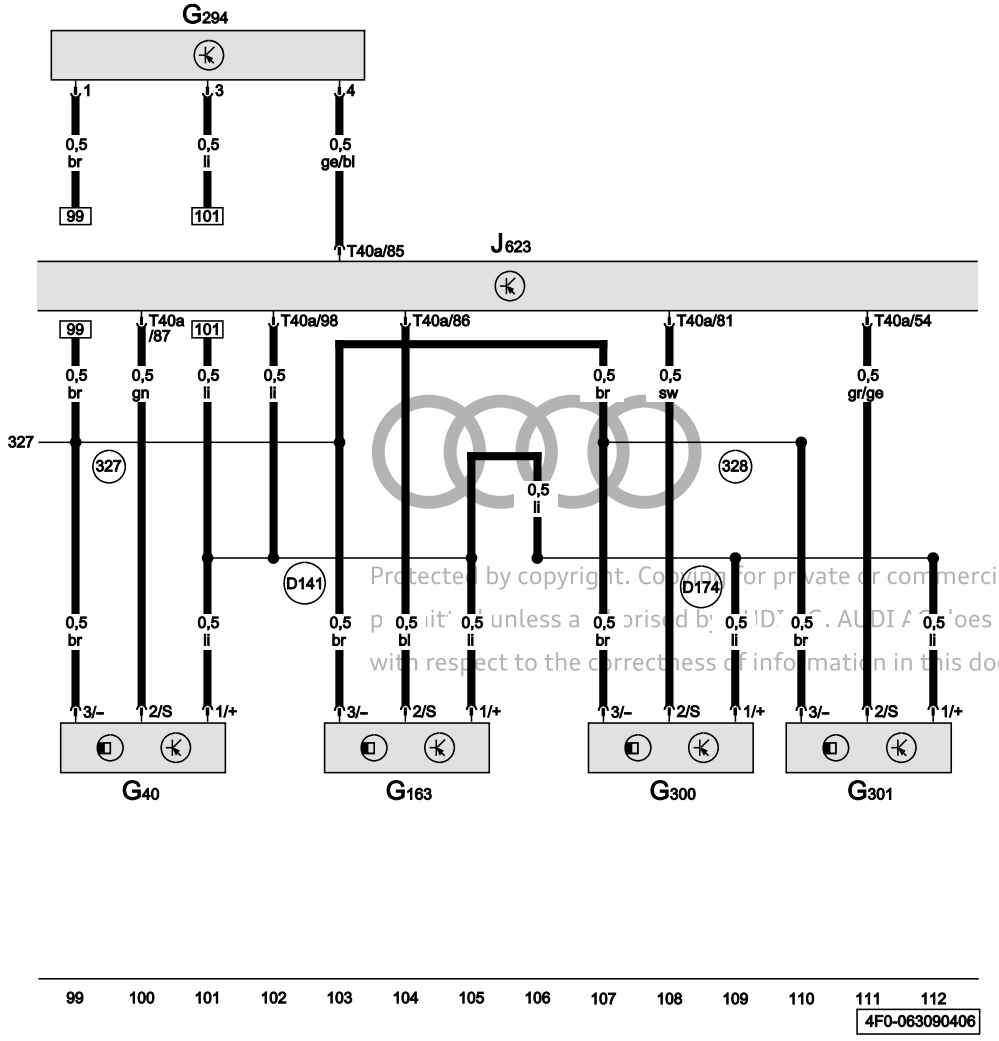
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J623	Engine control unit
T3n	3-pin connector, blue, on knock sensor 2
T3p	3-pin connector, black, on knock sensor 1
T40a	40-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness



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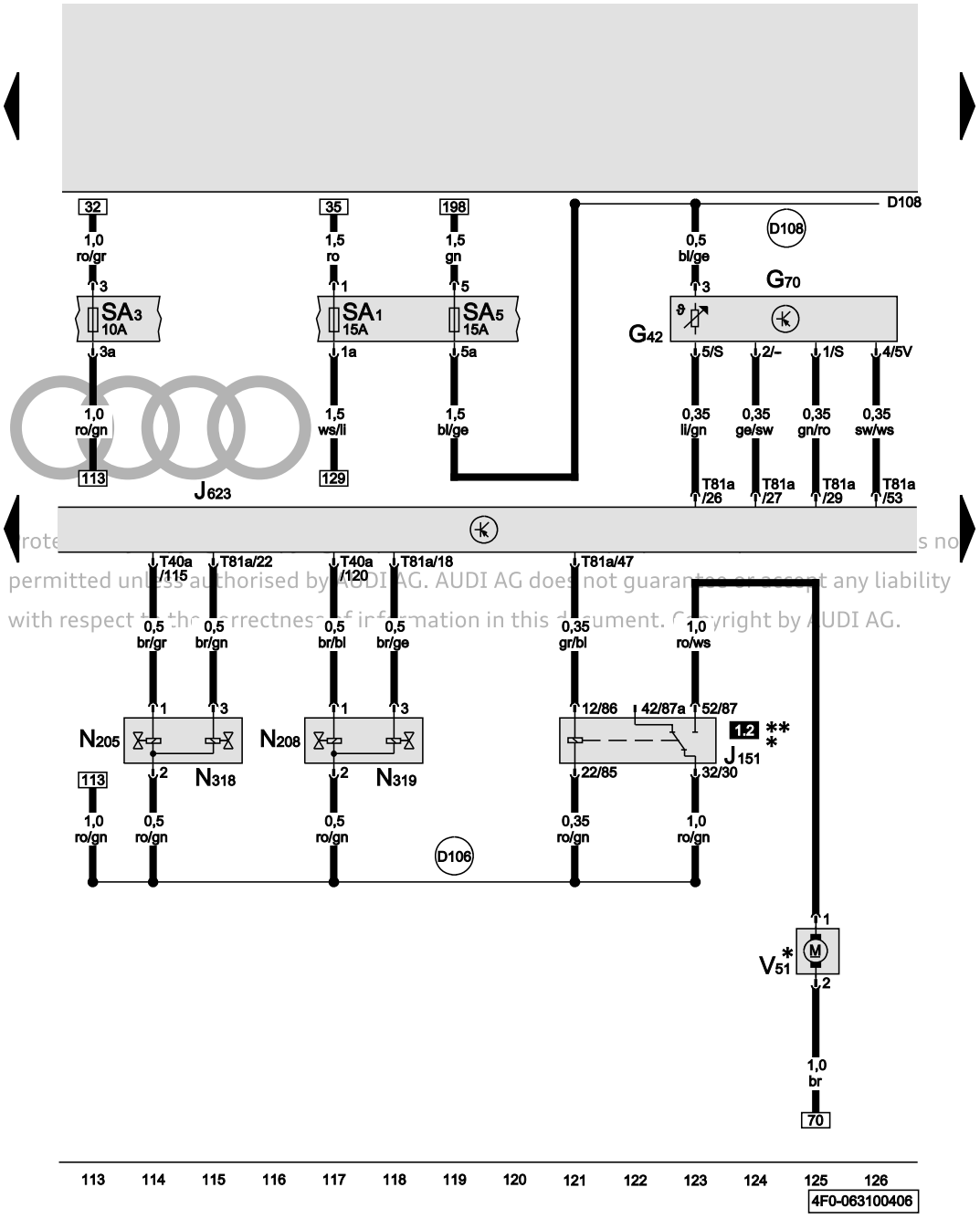
Engine control unit, Hall sender, brake servo pressure sensor

G40	Hall sender
G163	Hall sender 2
G294	Brake servo pressure sensor
G300	Hall sender 3
G301	Hall sender 4
J623	Engine control unit
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
D174	Connection 2 (5V), in engine wiring harness



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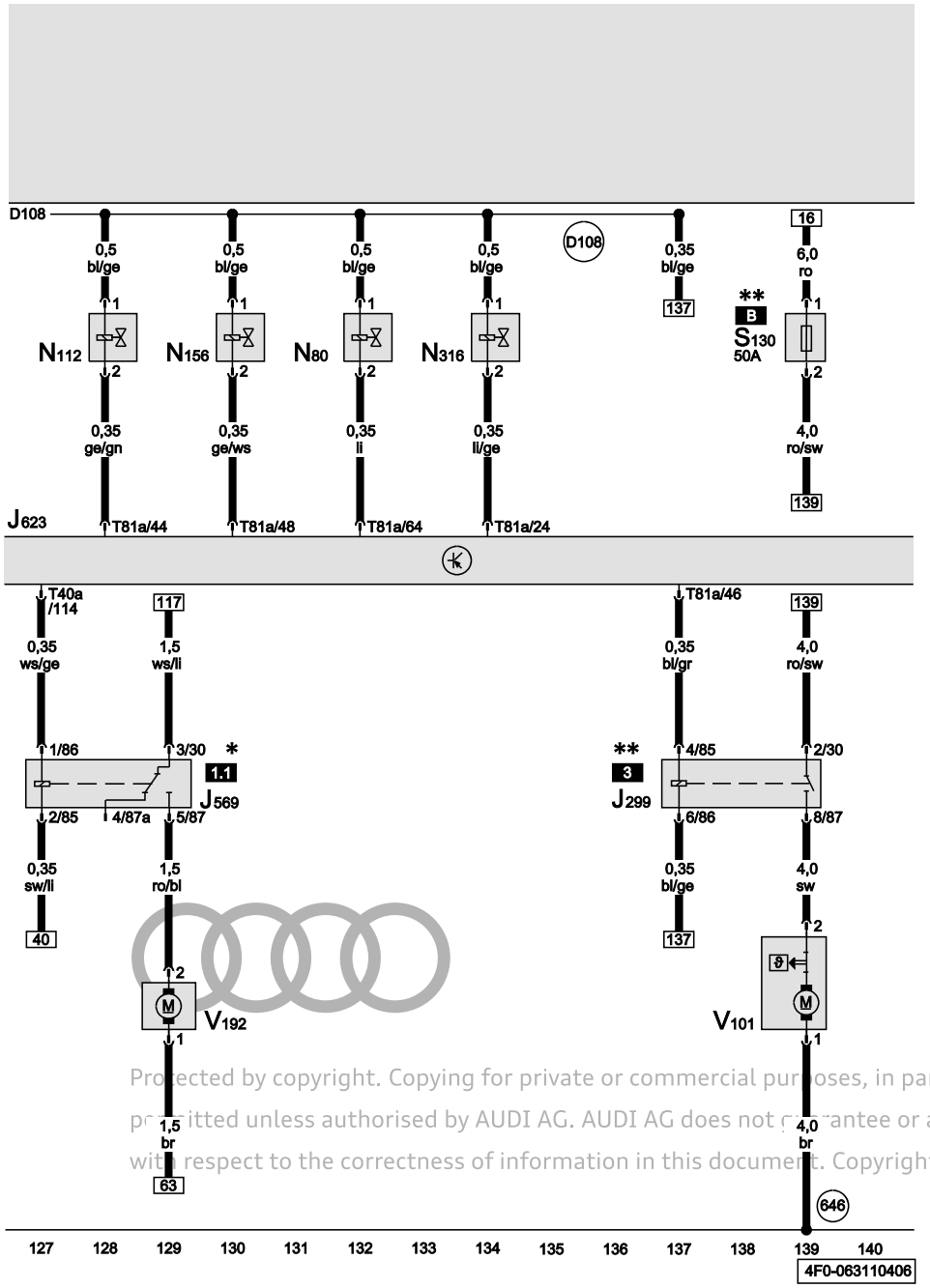


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Engine control unit, inlet camshaft control valve, continued coolant circulation relay, continued coolant circulation pump, air mass meter, intake air temperature sender

G42	Intake air temperature sender
G70	Air mass meter
J151	Continued coolant circulation relay
J623	Engine control unit
N205	Inlet camshaft control valve 1
N208	Inlet camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
SA1	Fuse 1 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA5	Fuse 5 on fuse holder A
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
V51	Continued coolant circulation pump
D106	Connection 4, in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
*	only countries with hot climate
**	Relay carrier electronics box left in plenum chamber

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sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
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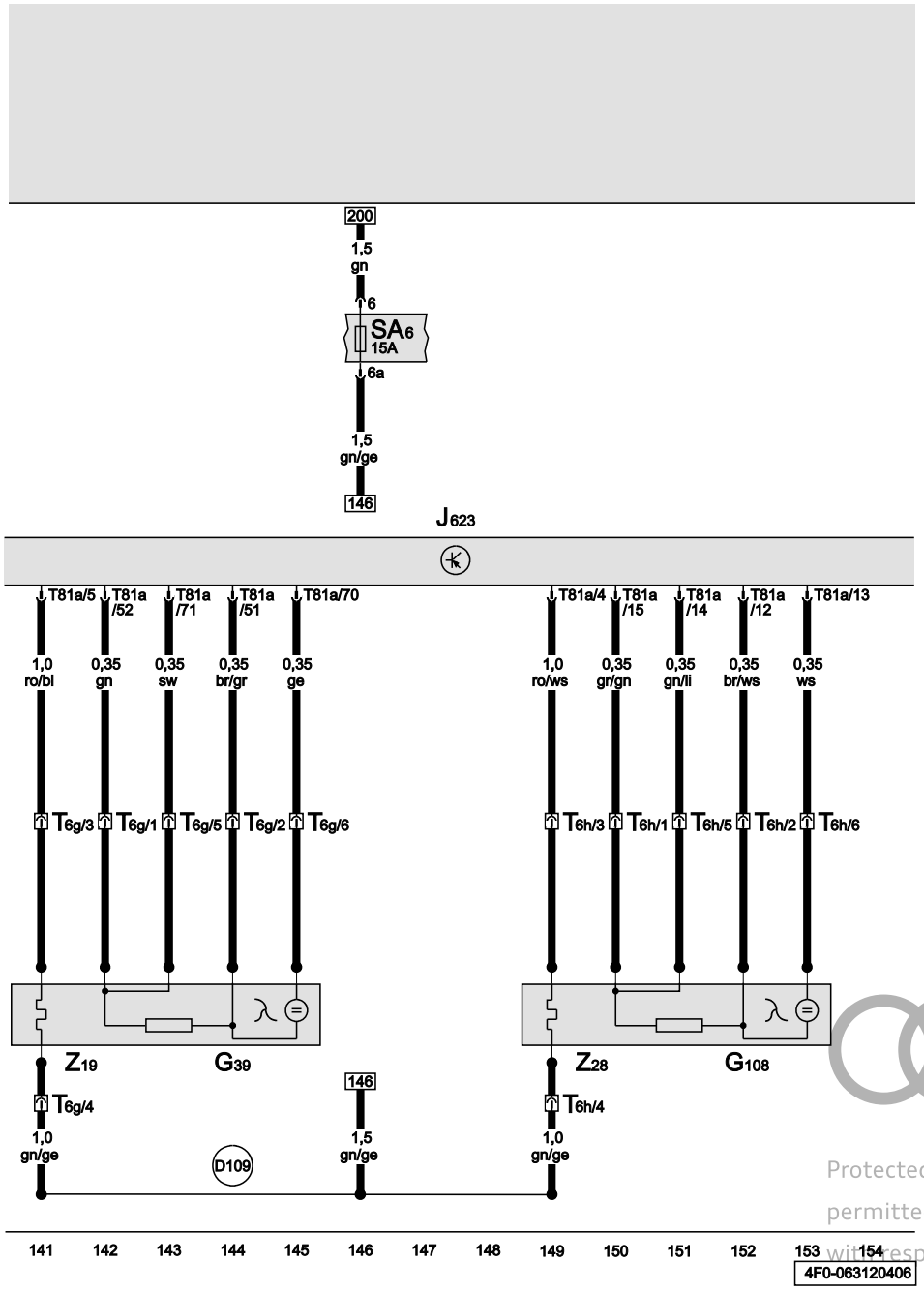
Engine control unit, active charcoal filter system solenoid valve 1 (pulsed), secondary air inlet valve, variable intake manifold change-over valve, intake manifold flap valve, secondary air pump relay, secondary air pump motor, vacuum pump for brakes

J299	Secondary air pump relay
J569	Brake servo relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N156	Variable intake manifold change-over valve
N316	Intake manifold flap valve
S130	Secondary air pump fuse
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
V101	Secondary air pump motor
V192	Vacuum pump for brakes
646	Earth point 2, on bulkhead
D108	Connection 6, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	Relay carrier electronics box on right in plenum chamber

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ro	=	red
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Engine control unit, lambda probe, lambda probe 2

G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6g	6-pin connector, brown, for lambda probe
T6h	6-pin connector, brown, for lambda probe 2
T81a	81-pin connector, black, connector A, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D109	Connection 7, in engine compartment wiring harness

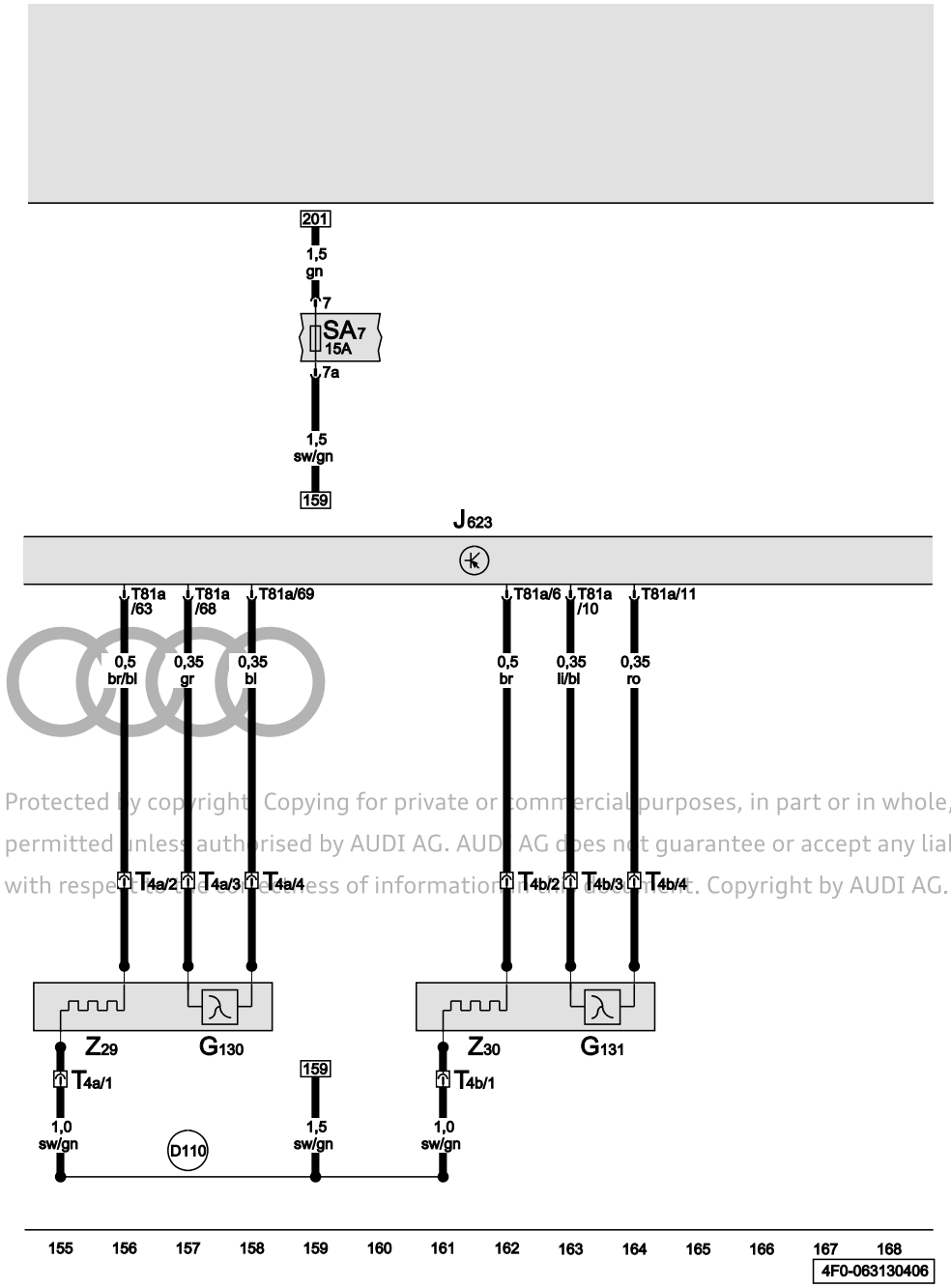


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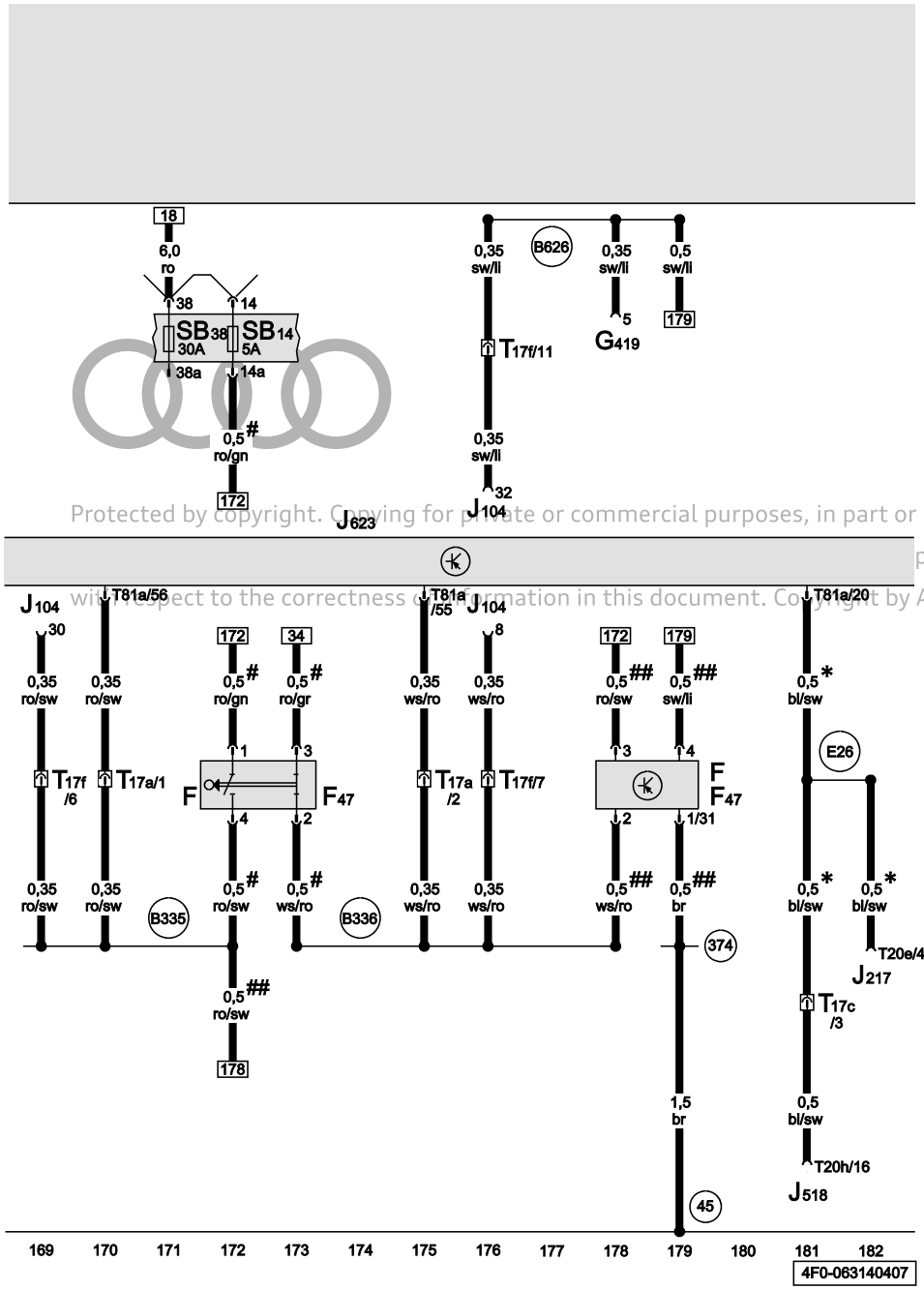
Engine control unit, lambda probes after catalytic converter

G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SA7	Fuse 7 on fuse holder A
T4a	4-pin connector, black, for lambda probe 1 after catalytic converter
T4b	4-pin connector, brown, for lambda probe 2 after catalytic converter
T81a	81-pin connector, black, connector A, on engine control unit
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D110	Connection 8, in engine compartment wiring harness



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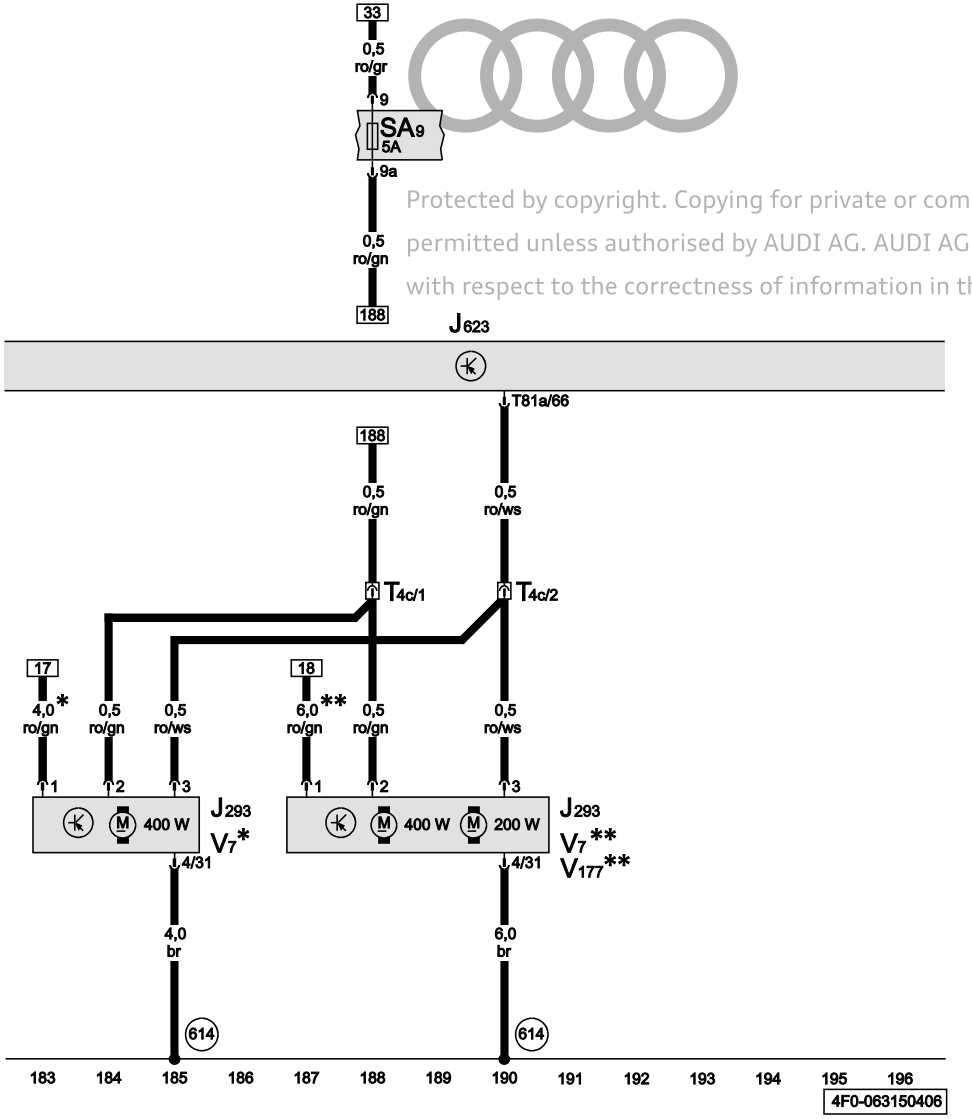
ws = white
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Engine control unit, brake light switchbrake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T81a	81-pin connector, black, connector A, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
*	models with automatic gearbox 01J
#	up to May 2007
##	from June 2007

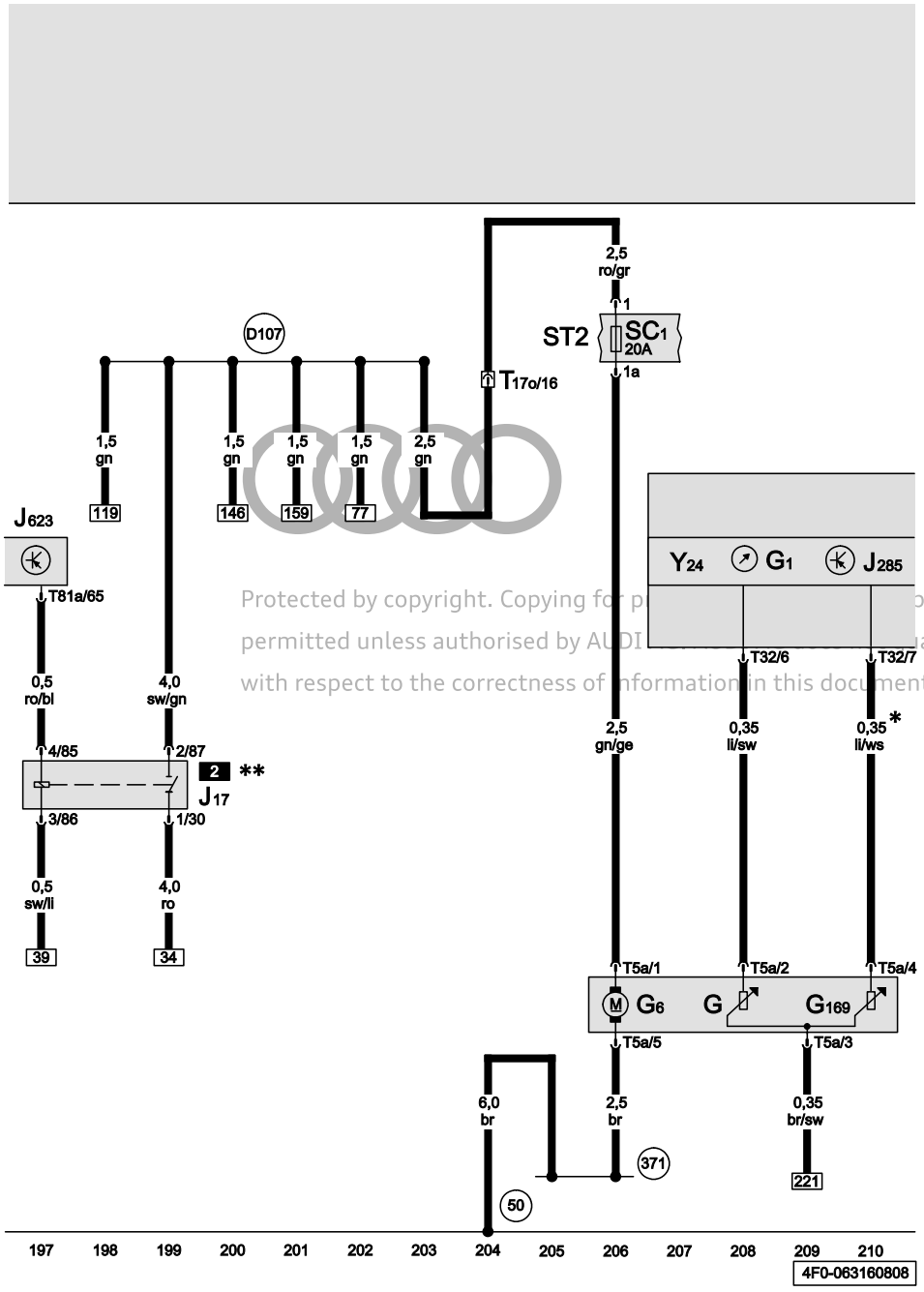
Engine control unit, radiator fan

J293	Radiator fan control unit
J623	Engine control unit
SA9	Fuse 9 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T81a	81-pin connector, black, connector A, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
*	models without trailer towing attachment
**	models with trailer towing attachment



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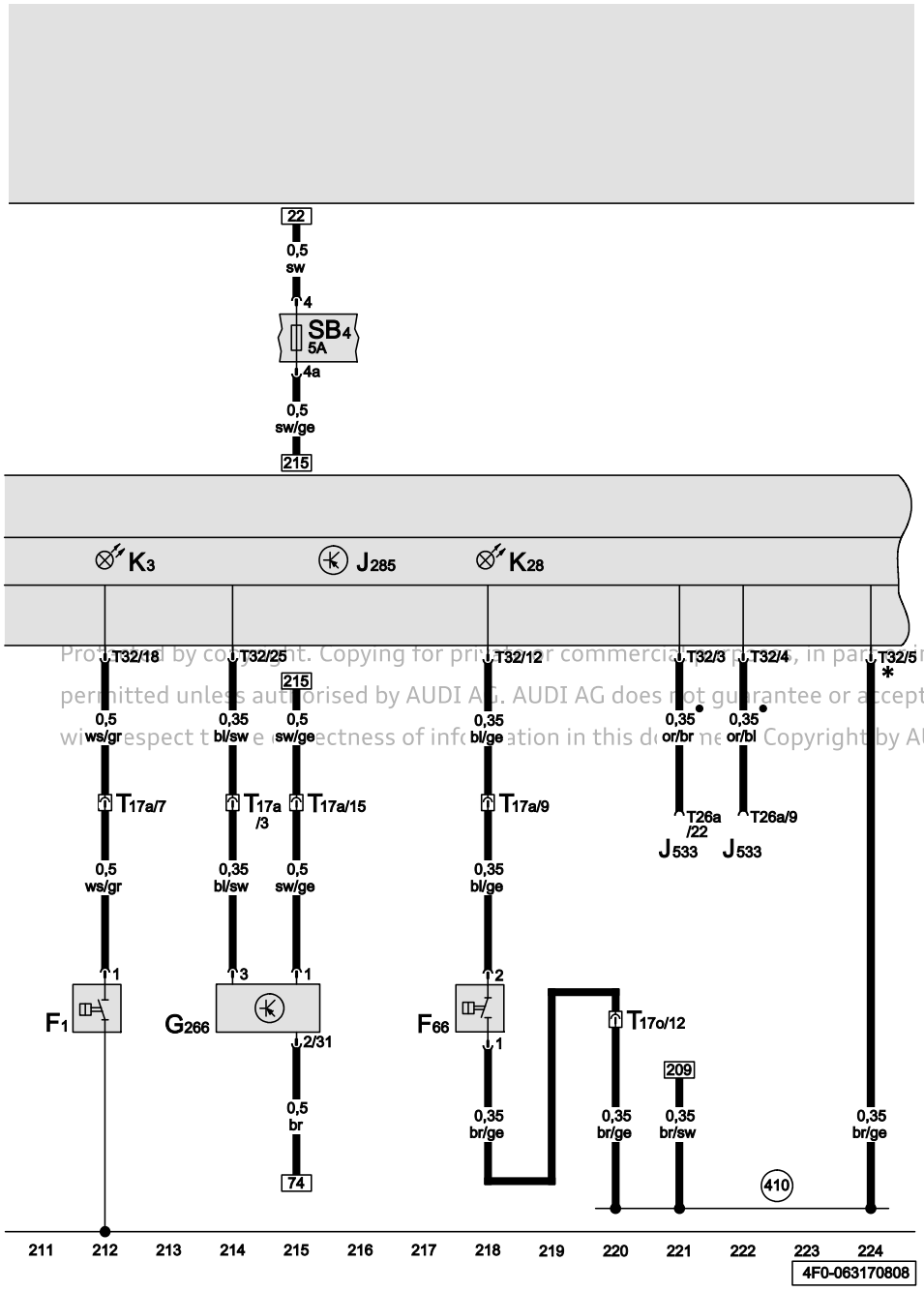
Engine control unit, control unit in dash panel insert, fuel pump relay, fuel system pressurisation pump, fuel gauge sender, fuel gauge

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
J623	Engine control unit
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
T81a	81-pin connector, black, connector A, on engine control unit
Y24	Display in dash panel insert
50	Earth point, on left in luggage compartment
371	Earth connection 6, in main wiring harness
D107	Connection 5, in engine compartment wiring harness
*	only four-wheel drive
**	Relay carrier electronics box left in plenum chamber

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Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil pressure switch, oil level and oil temperature sender

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	output sender earth



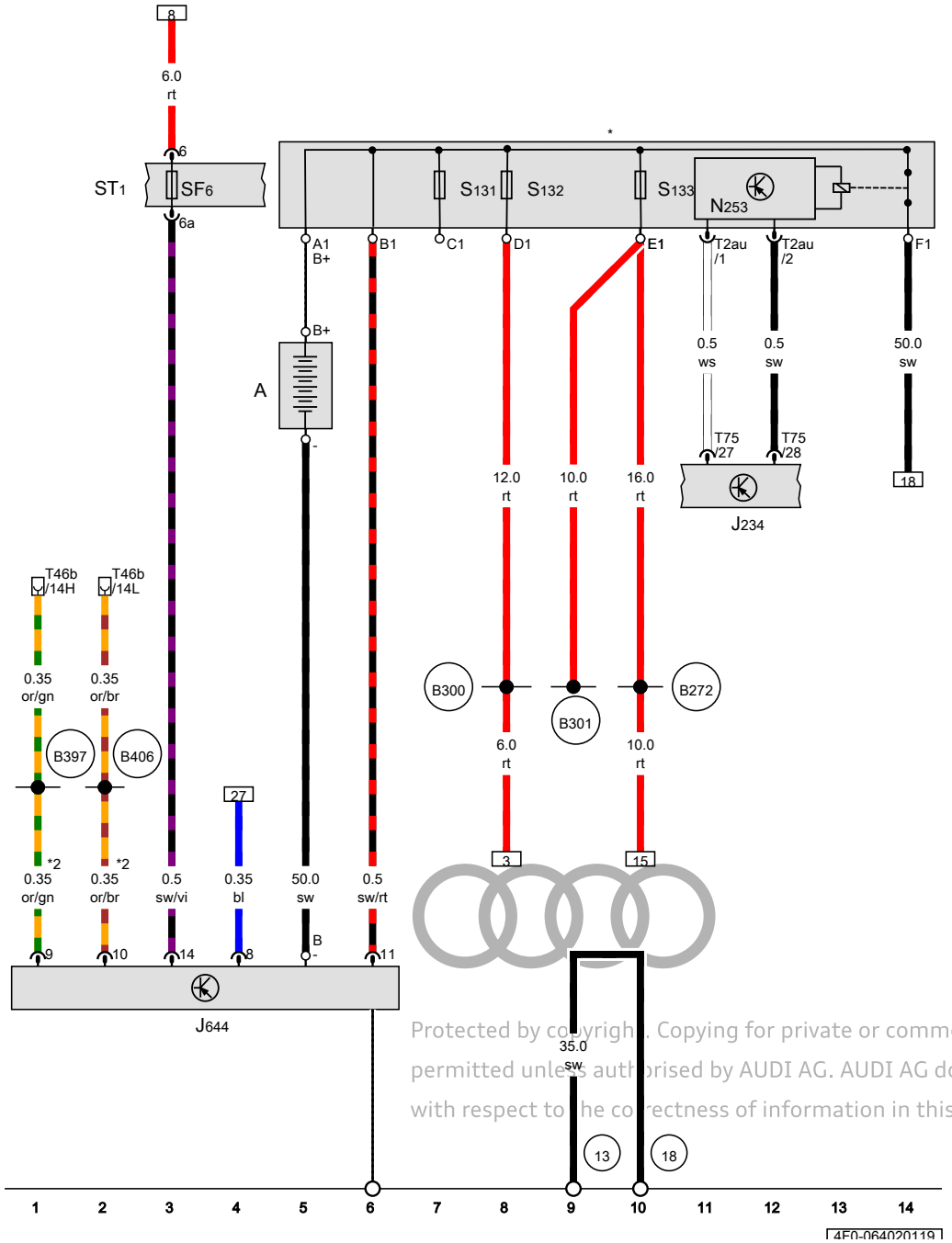
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3.2l petrol engine , AUK,BKH

From June 2006

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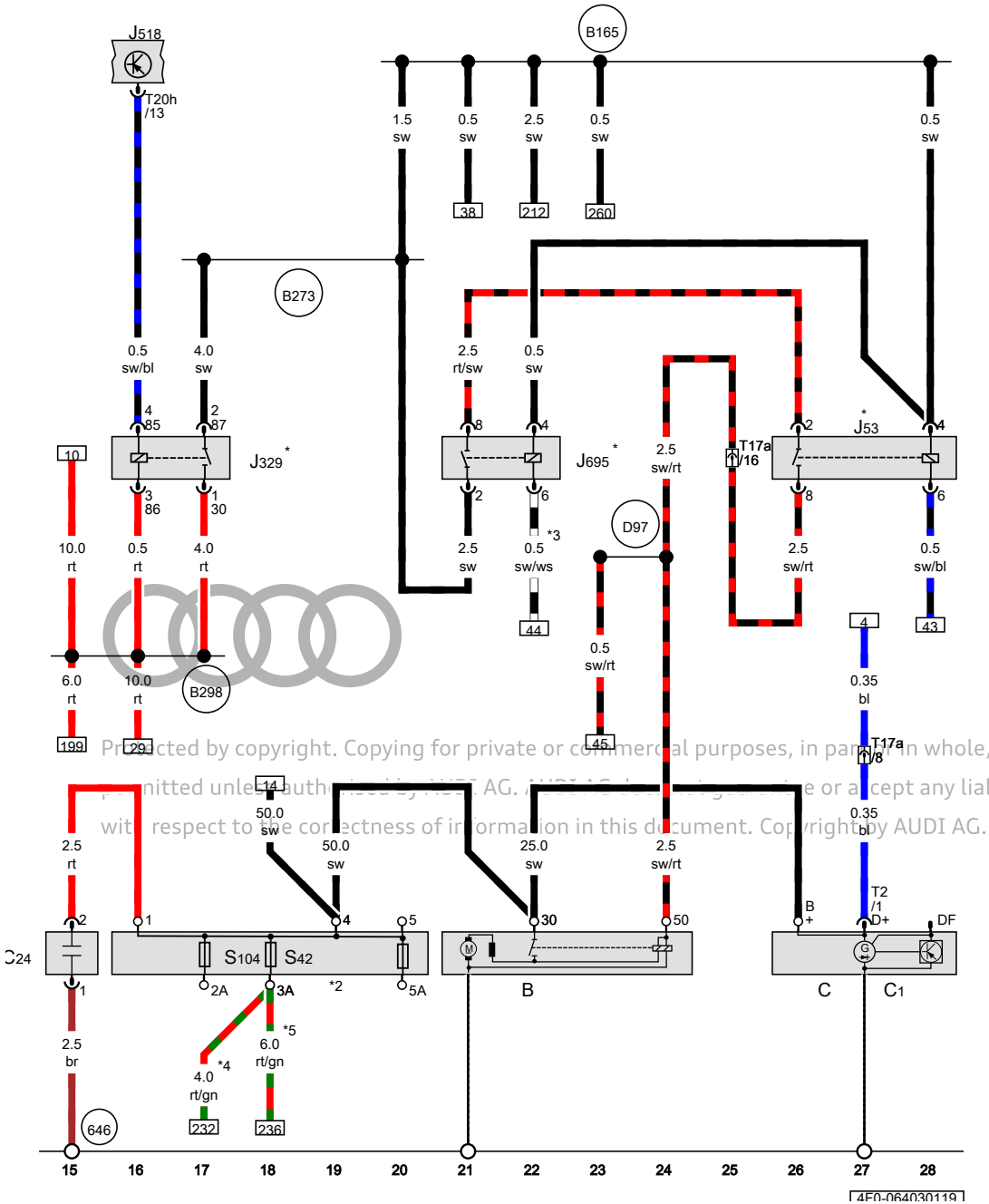


Airbag control unit, Energy management control unit

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
ST1	Fuse carrier 1
SF6	Fuse 6 in fuse holder F
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T46b	46-pin connector, right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point, on cylinder block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
*	Main fuse box, on battery on rear right in luggage compartment
*2	Data bus wire (CAN bus)

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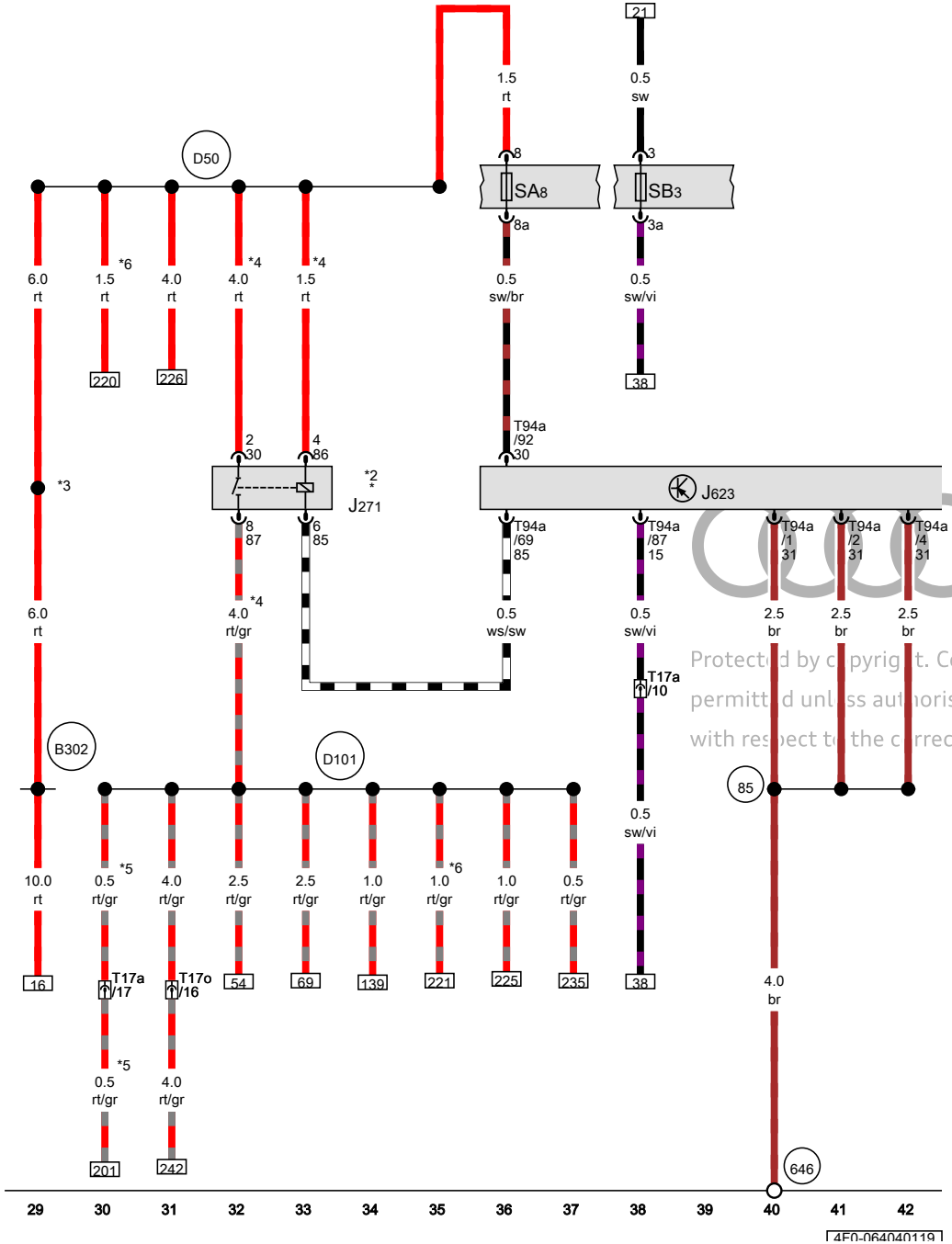


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Starter, Alternator, Suppression filter, Starter motor relay, Terminal 15 voltage supply relay, Starter motor relay 2

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T20h	20-pin connector, black, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Relay carrier on left under dash panel
*2	Main fuse carrier, in E-box on right of plenum chamber
*3	According to equipment
*4	For models with no towing bracket
*5	For models with towing bracket

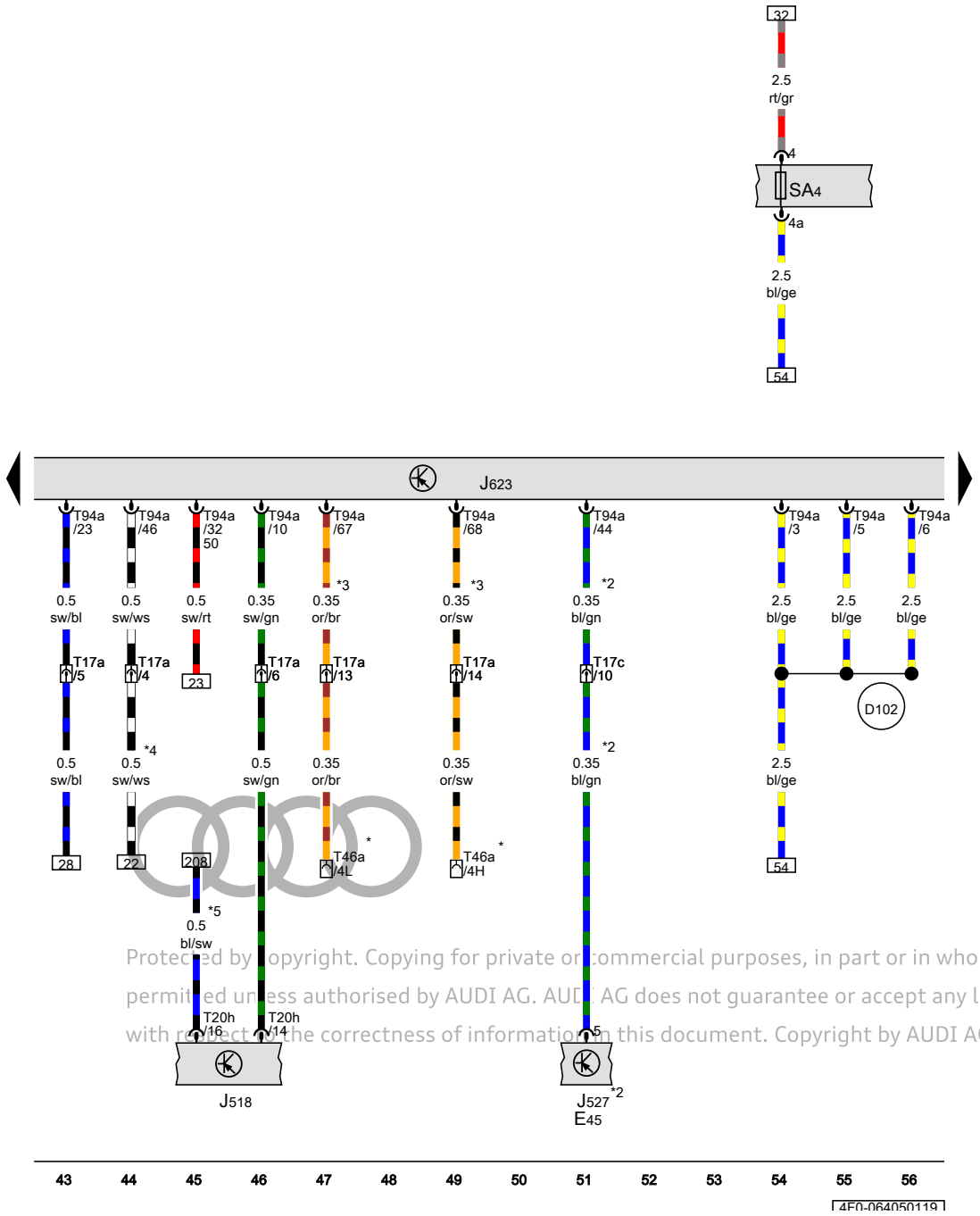


Main relay, Engine/motor control unit

J271	Main relay
J623	Engine/motor control unit
SB3	Fuse 3 on fuse holder B
SA8	Fuse 8 on fuse holder A
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T94a	94-pin connector, black, on engine/motor control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness
*	see applicable current flow diagram for engine
*2	Main fuse carrier, in E-box on left of plenum chamber
*3	Threaded connection, in E-box in plenum chamber
*4	Cross section depends on equipment
*5	Up to May 2007
*6	see applicable current flow diagram for automatic gearbox

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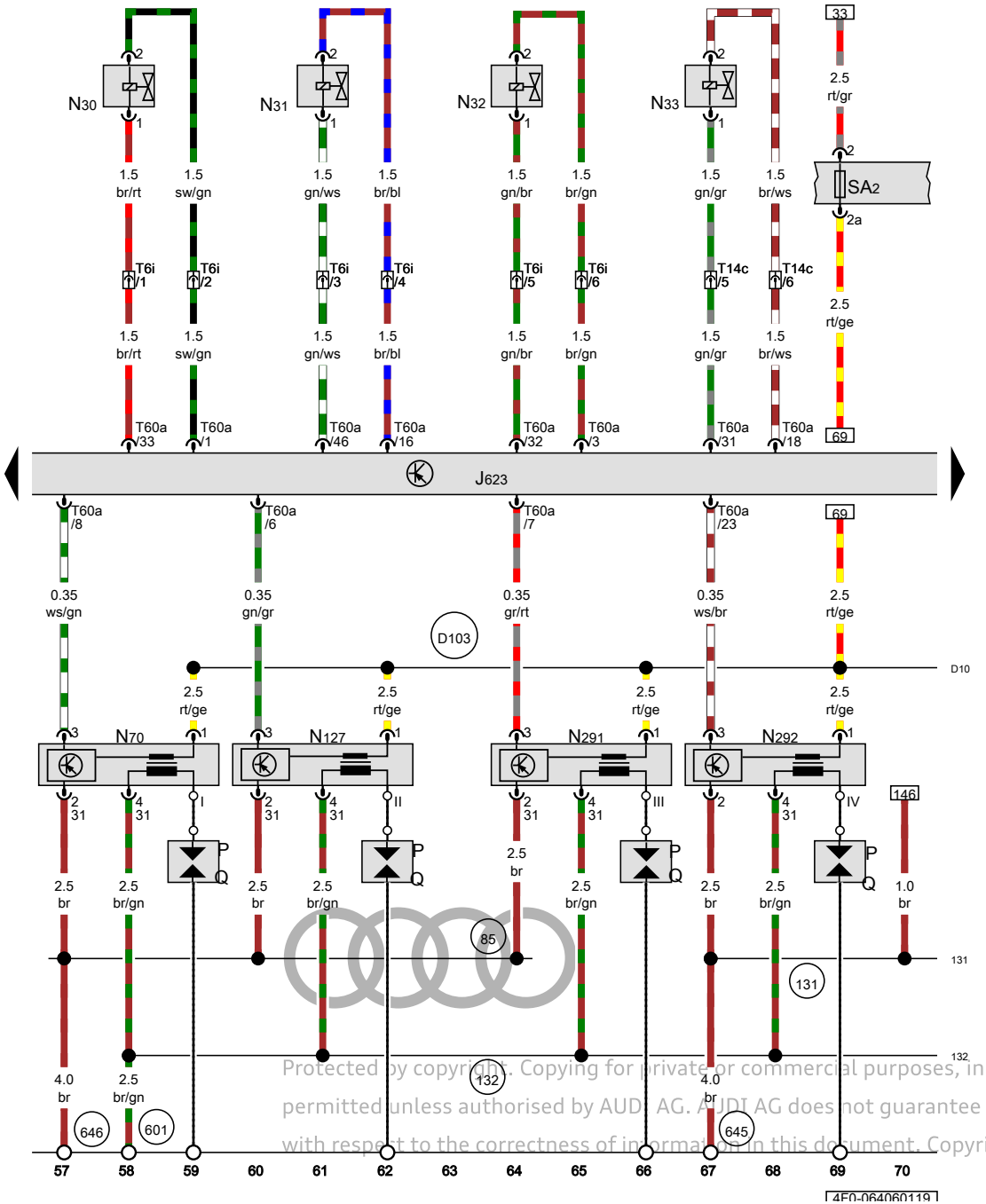


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Entry and start authorisation control unit, Steering column electronics control unit, Engine/motor control unit

E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine/motor control unit
SA4	Fuse 4 on fuse holder A
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T20h	20-pin connector, black, on entry and start authorisation control unit
T46a	46-pin connector, black, behind dash panel, left, near fuse holder
T94a	94-pin connector, black, on engine/motor control unit
D102	Connection 2 in engine compartment wiring harness
*	see applicable current flow diagram for CAN separating connector
*2	For models with cruise control system
*3	Data bus wire (CAN bus)
*4	According to equipment
*5	see applicable current flow diagram for automatic gearbox

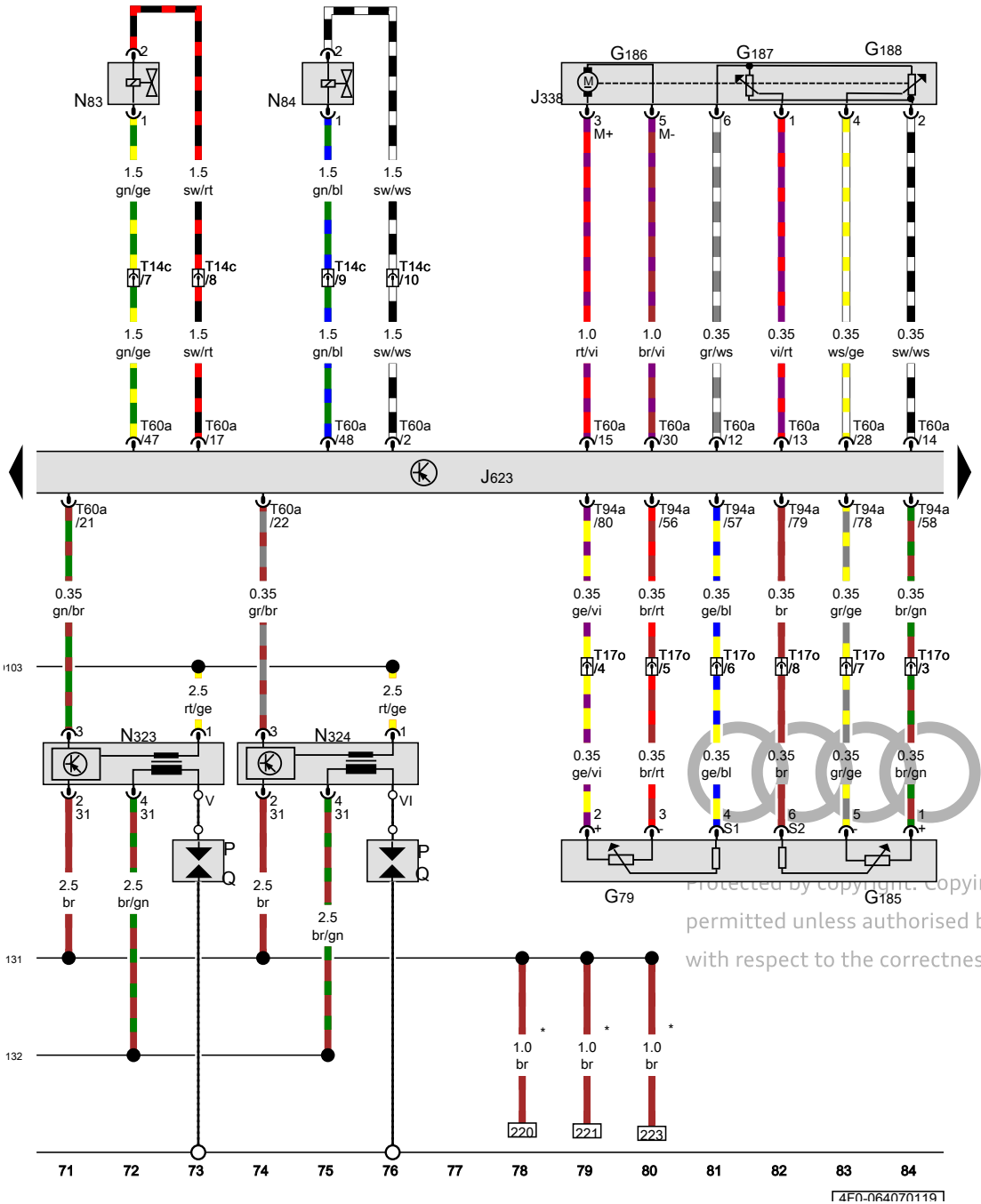


Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

J623	Engine/motor control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T6i	6-pin connector, black, on right in engine compartment
T14c	14-pin connector, black, on left in engine compartment
T60a	60-pin connector, black, on engine/motor control unit
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left cylinder head
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
D103	Connection 3 in engine compartment wiring harness

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Accelerator position sender, Throttle valve module, Engine/ motor control unit, Injector, cylinder 5, Injector, cylinder 6, Ignition coil 5 with output stage, Ignition coil 6 with output stage

G79	Accelerator position sender
G185	Accelerator position 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
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
T14c	14-pin connector, black, on left in engine compartment
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T60a	60-pin connector, black, on engine/motor control unit
T94a	94-pin connector, black, on engine/motor control unit
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D103	Connection 3 in engine compartment wiring harness
*	see applicable current flow diagram for automatic gearbox

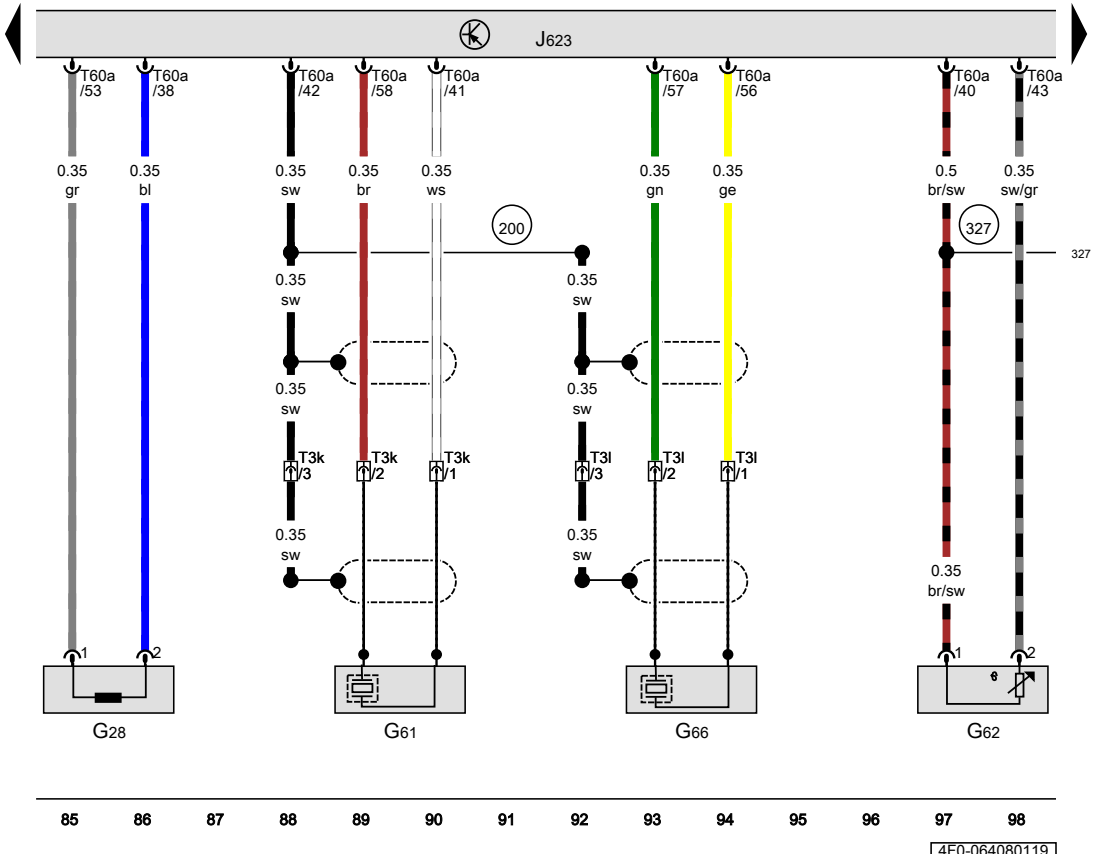
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Engine speed sender, Knock sensor 1, Coolant temperature sender, Knock sensor 2, Engine/motor control unit

G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J623	Engine/motor control unit
T3k	3-pin connector, green, on knock sensor 1
T3l	3-pin connector, grey, on knock sensor 2
T60a	60-pin connector, black, on engine/motor control unit
200	Earth connection (screening), in engine compartment wiring harness
327	Earth connection (sender earth), in engine compartment wiring harness

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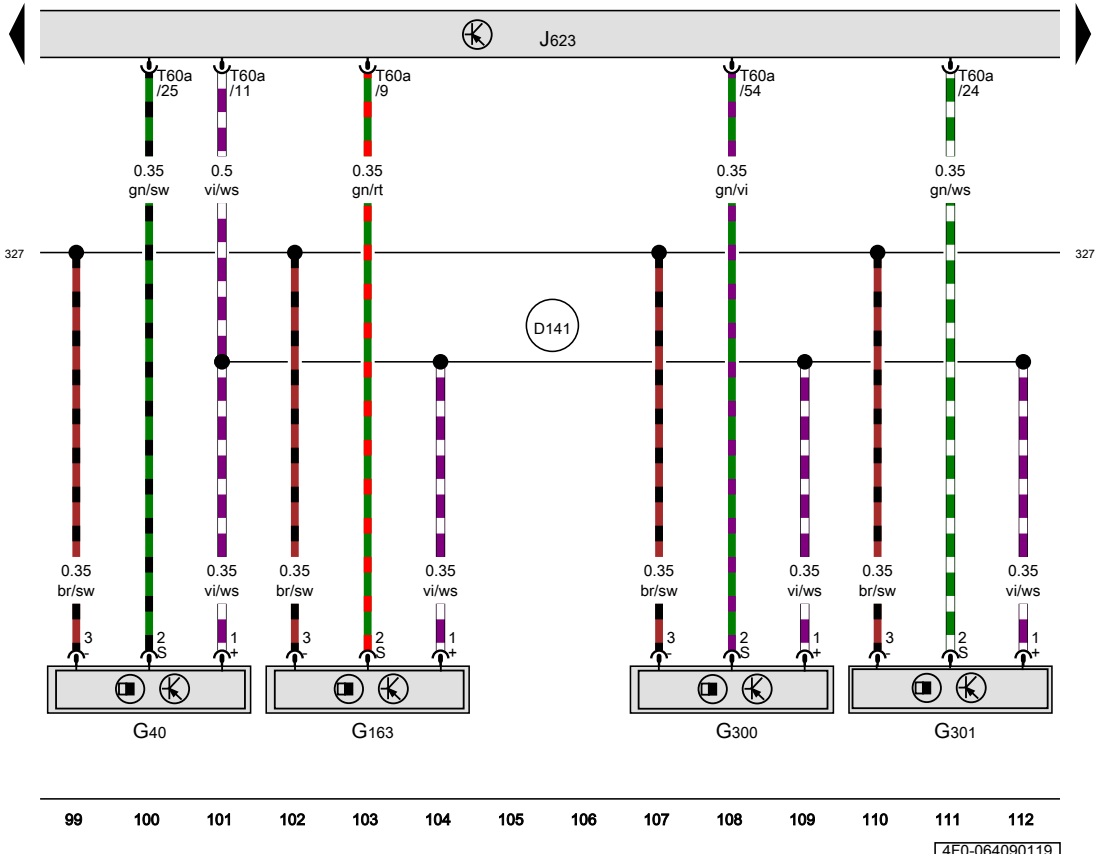


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Hall sender, Hall sender 2, Hall sender 3, Hall sender 4, Engine/motor control unit

G40	Hall sender
G163	Hall sender 2
G300	Hall sender 3
G301	Hall sender 4
J623	Engine/motor control unit
T60a	60-pin connector, black, on engine/motor control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D141	Connection (5V) in engine prewiring harness

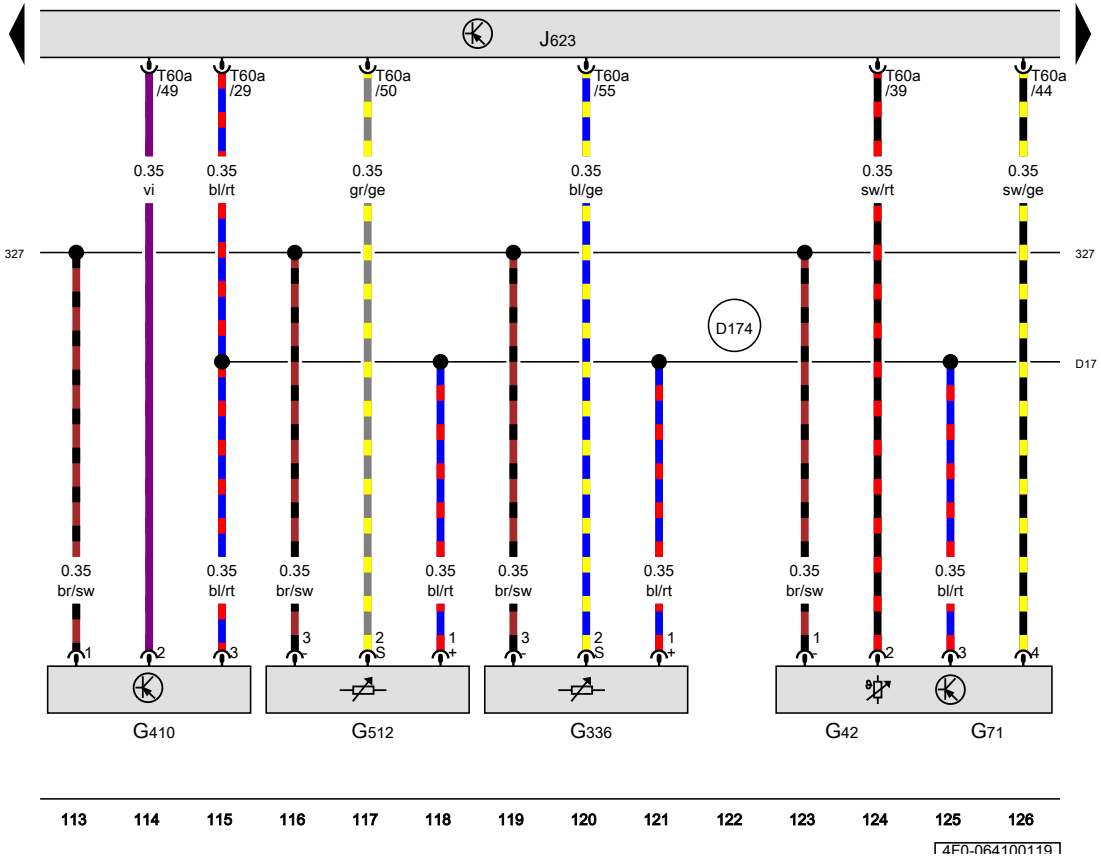


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Intake air temperature sender, Intake manifold pressure sender, Intake manifold flap potentiometer, Fuel pressure sender for low pressure, Intake manifold flap potentiometer 2, Engine/motor control unit

G42	Intake air temperature sender
G71	Intake manifold pressure sender
G336	Intake manifold flap potentiometer
G410	Fuel pressure sender for low pressure
G512	Intake manifold flap potentiometer 2
J623	Engine/motor control unit
T60a	60-pin connector, black, on engine/motor control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D174	Connection 2 (5V) in engine prewiring harness

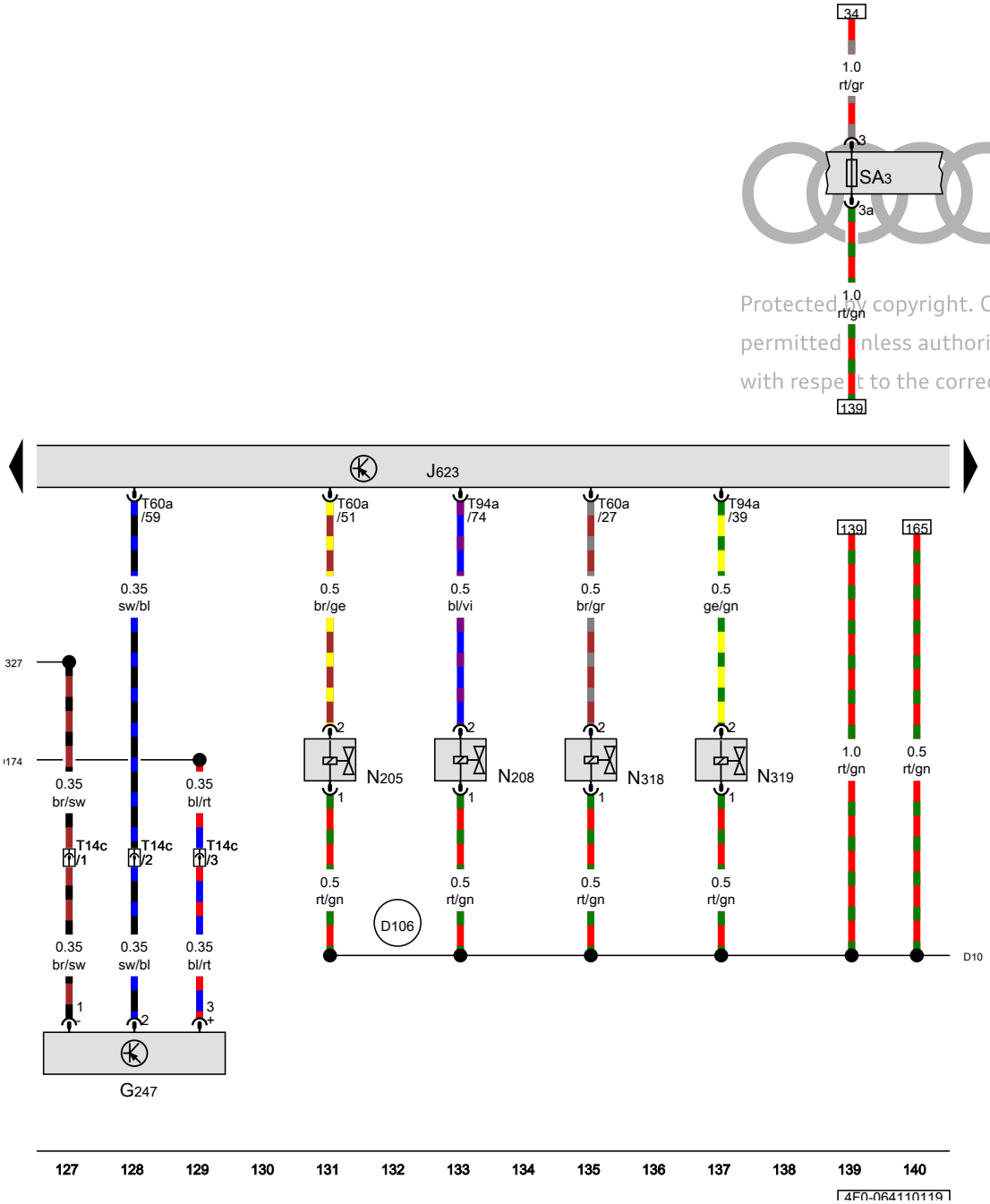
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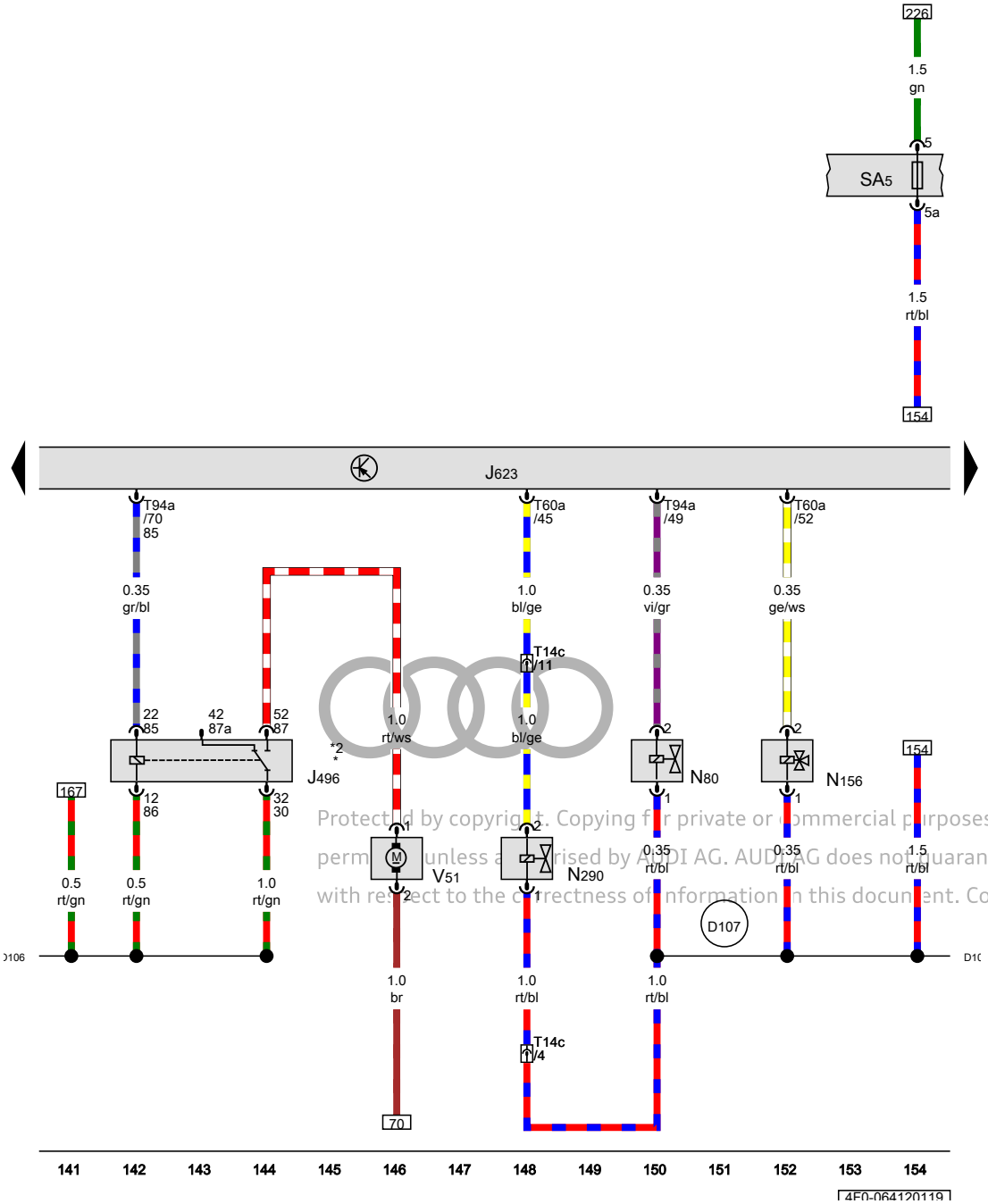
Fuel pressure sender, Engine/motor control unit, Camshaft control valve 1, Camshaft control valve 2, Exhaust camshaft control valve 1, Exhaust camshaft control valve 2

G247	Fuel pressure sender
J623	Engine/motor control unit
N205	Camshaft control valve 1
N208	Camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
SA3	Fuse 3 on fuse holder A
T14c	14-pin connector, black, on left in engine compartment
T60a	60-pin connector, black, on engine/motor control unit
T94a	94-pin connector, black, on engine/motor control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D106	Connection 4 in engine compartment wiring harness
D174	Connection 2 (5V) in engine prewiring harness



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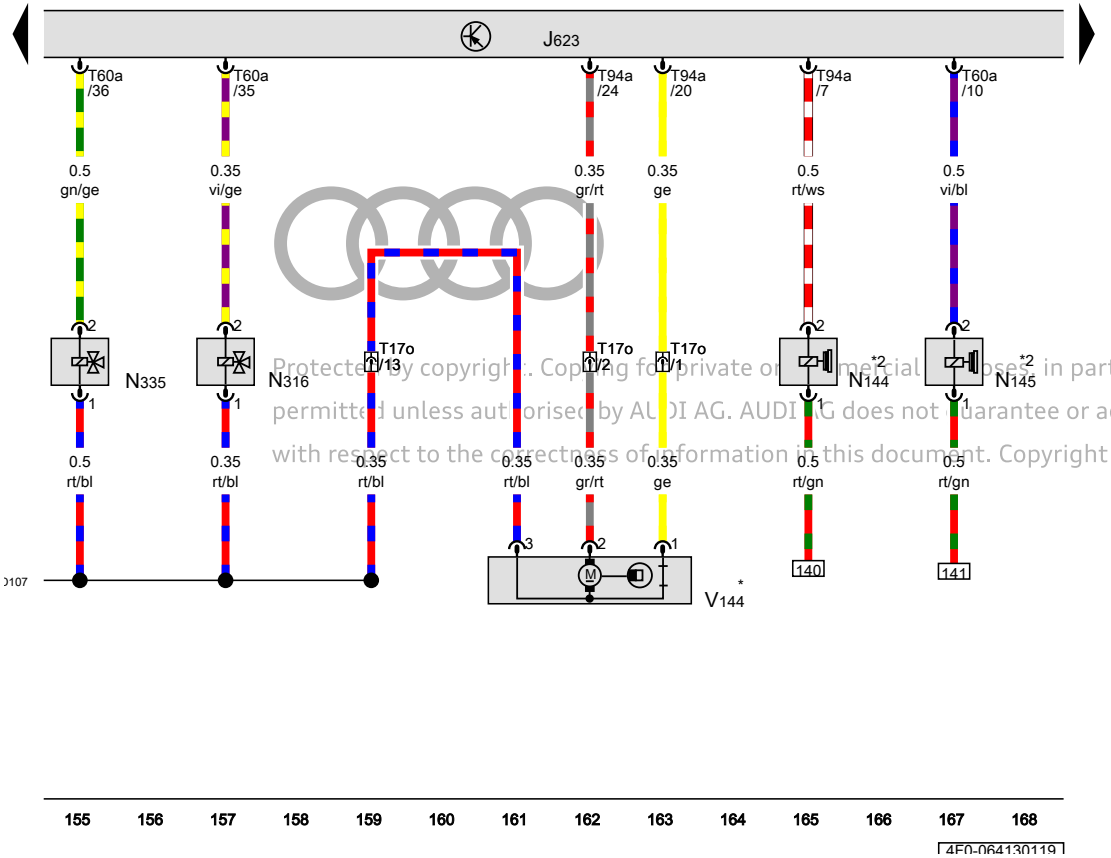
Additional coolant pump relay, Engine/motor control unit, Activated charcoal filter solenoid valve 1, Variable intake manifold changeover valve, Fuel metering valve, Continued coolant circulation pump

J496	Additional coolant pump relay
J623	Engine/motor control unit
N80	Activated charcoal filter solenoid valve 1
N156	Variable intake manifold changeover valve
N290	Fuel metering valve
SA5	Fuse 5 on fuse holder A
T14c	14-pin connector, black, on left in engine compartment
T60a	60-pin connector, black, on engine/motor control unit
T94a	94-pin connector, black, on engine/motor control unit
V51	Continued coolant circulation pump
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	For countries with hot climate

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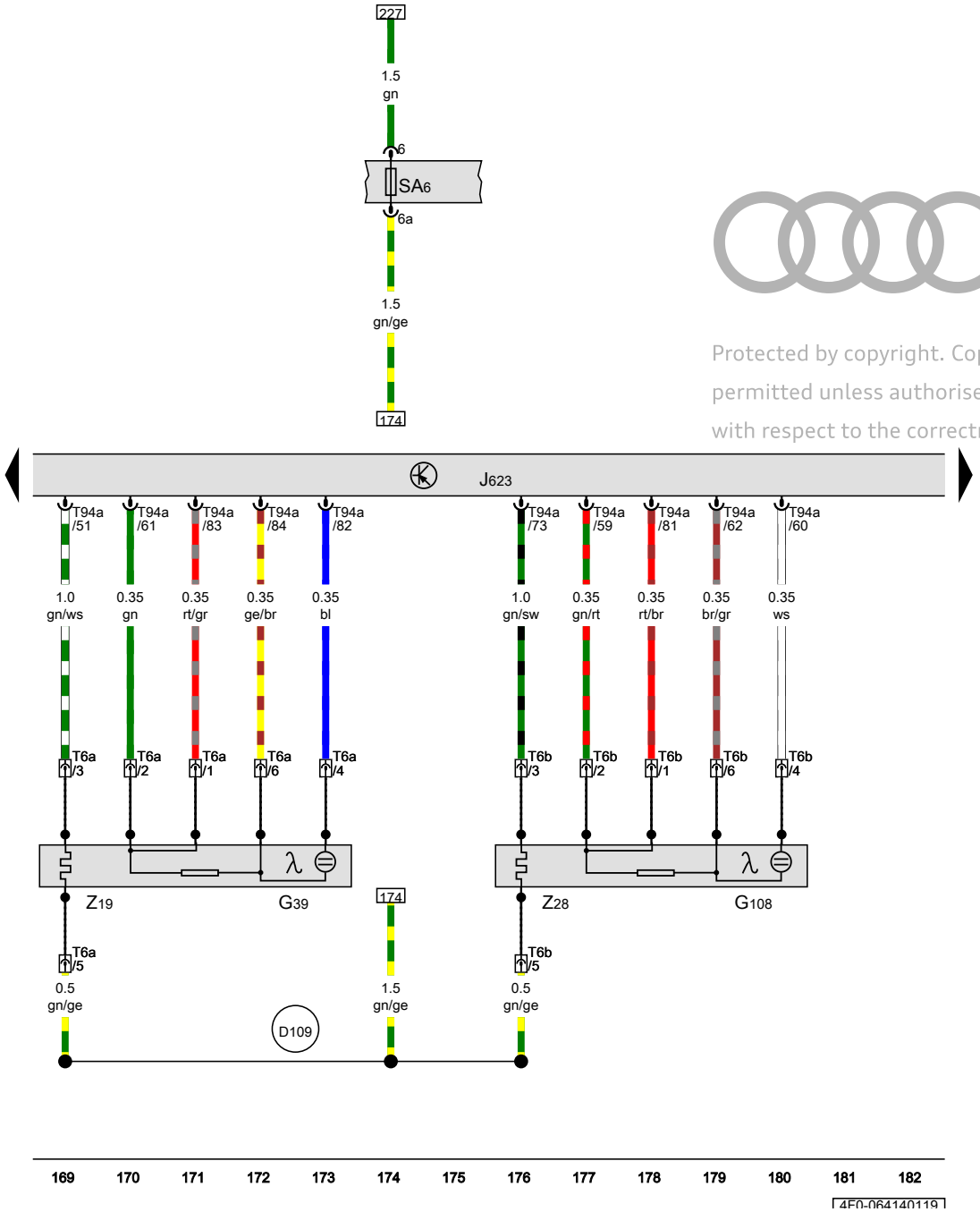
Engine/motor control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve, Intake manifold flap valve, Variable intake manifold changeover valve, Fuel system diagnostic pump

J623	Engine/motor control unit
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N316	Intake manifold flap valve
N335	Variable intake manifold changeover valve
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T60a	60-pin connector, black, on engine/motor control unit
T94a	94-pin connector, black, on engine/motor control unit
V144	Fuel system diagnostic pump
D107	Connection 5 in engine compartment wiring harness
*	For models with fuel system diagnostic pump
*2	see applicable current flow diagram for automatic gearbox



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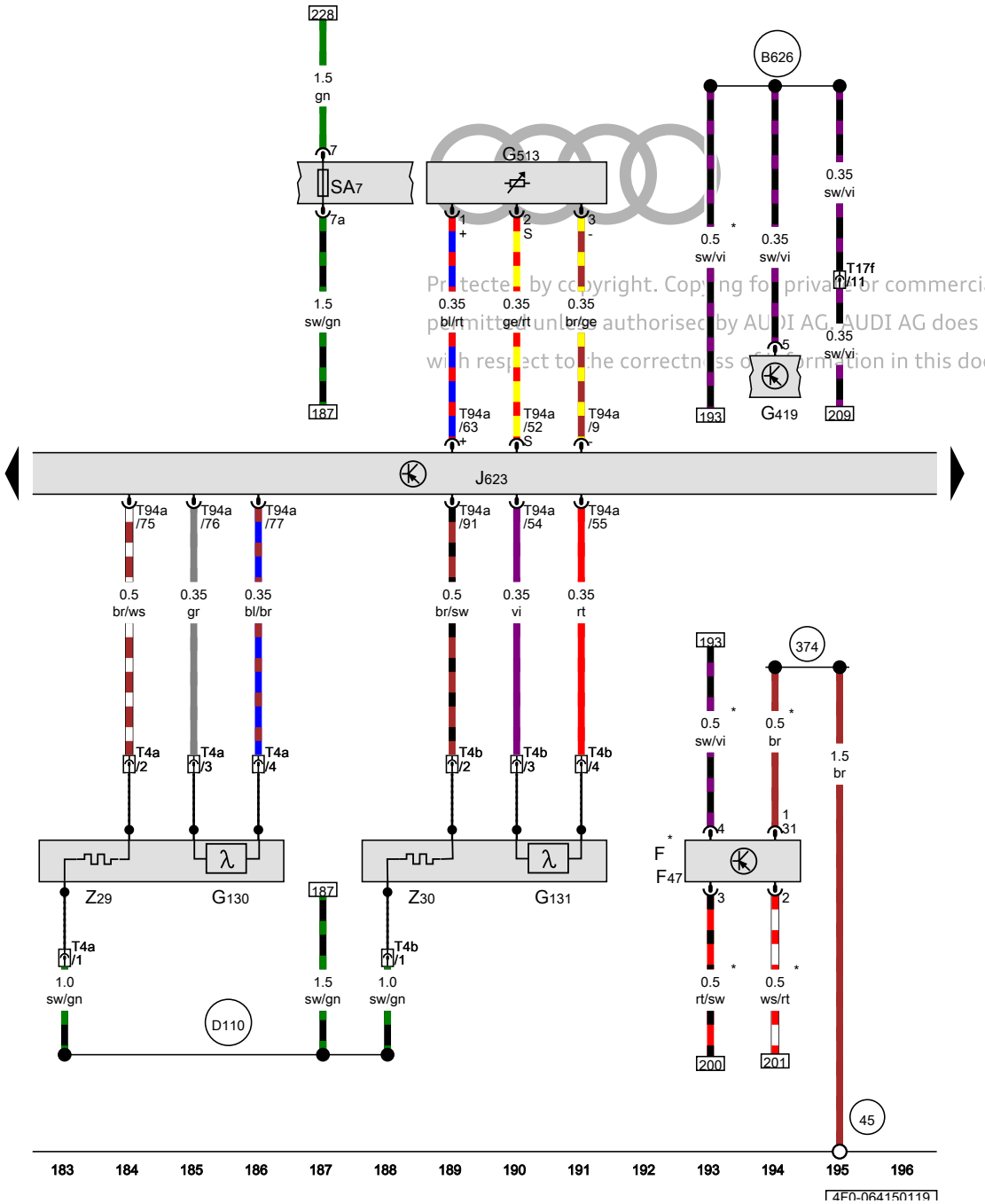


Lambda probe, Lambda probe 2, Engine/motor control unit

G39	Lambda probe
G108	Lambda probe 2
J623	Engine/motor control unit
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, on Lambda probe before catalytic converter
T6b	6-pin connector, black, on Lambda probe before catalytic converter
T94a	94-pin connector, black, on engine/motor control unit
Z19	Lambda probe heater
Z28	Lambda probe heater 2
D109	Connection 7 in engine compartment wiring harness

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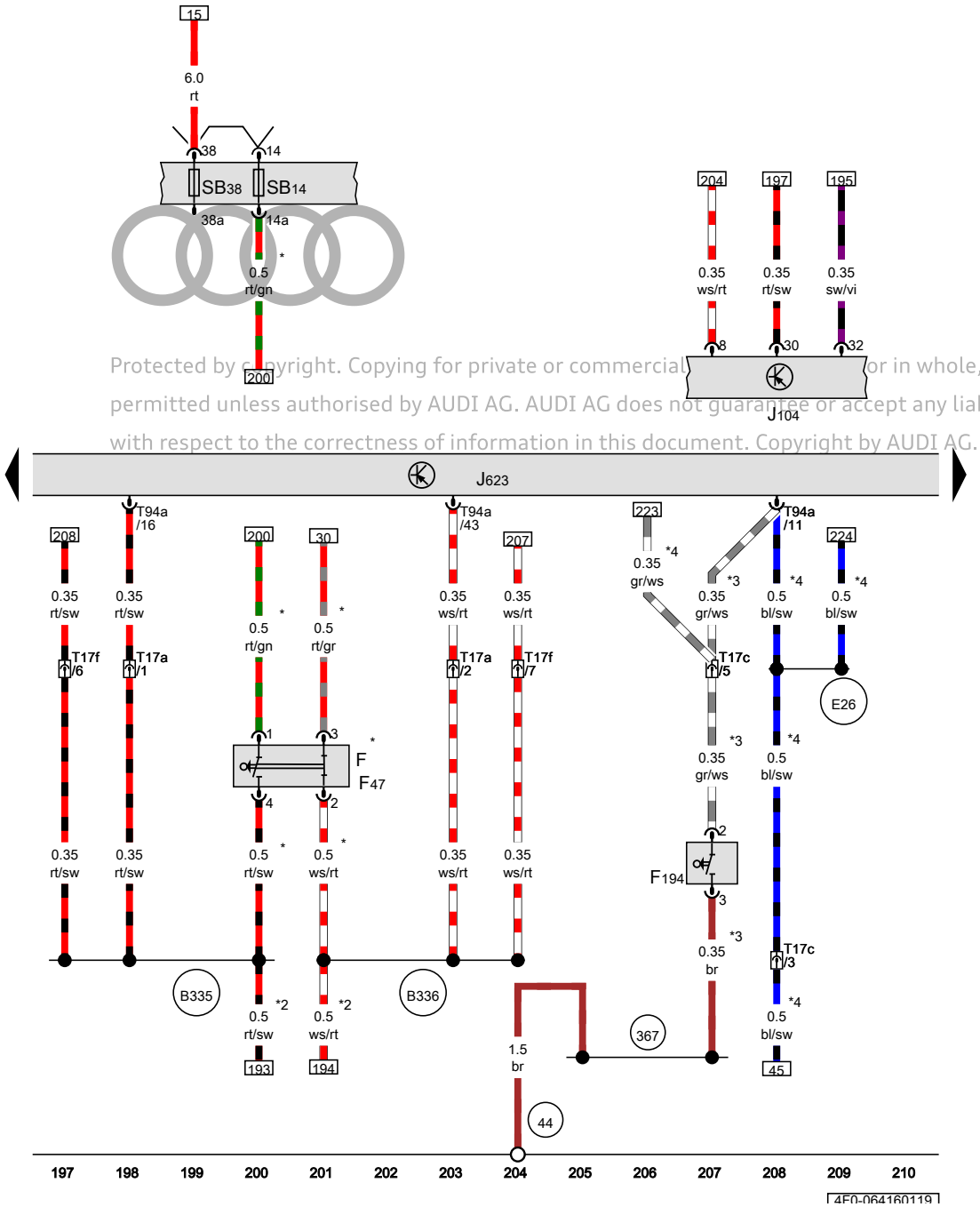


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Brake light switch, Brake pedal switch, Lambda probe after catalytic converter, Lambda probe 2 after catalytic converter, Variable intake manifold position sender, Engine/ motor control unit

F	Brake light switch
F47	Brake pedal switch
G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
G419	Sensor unit for electronic stabilisation program
G513	Variable intake manifold position sender
J623	Engine/motor control unit
SA7	Fuse 7 on fuse holder A
T4a	4-pin connector, black, on Lambda probe after catalytic converter
T4b	4-pin connector, brown, on Lambda probe after catalytic converter
T17f	17-pin connector, green, near left A-pillar coupling station
T94a	94-pin connector, black, on engine/motor control unit
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
D110	Connection 8 in engine compartment wiring harness
*	From June 2007

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

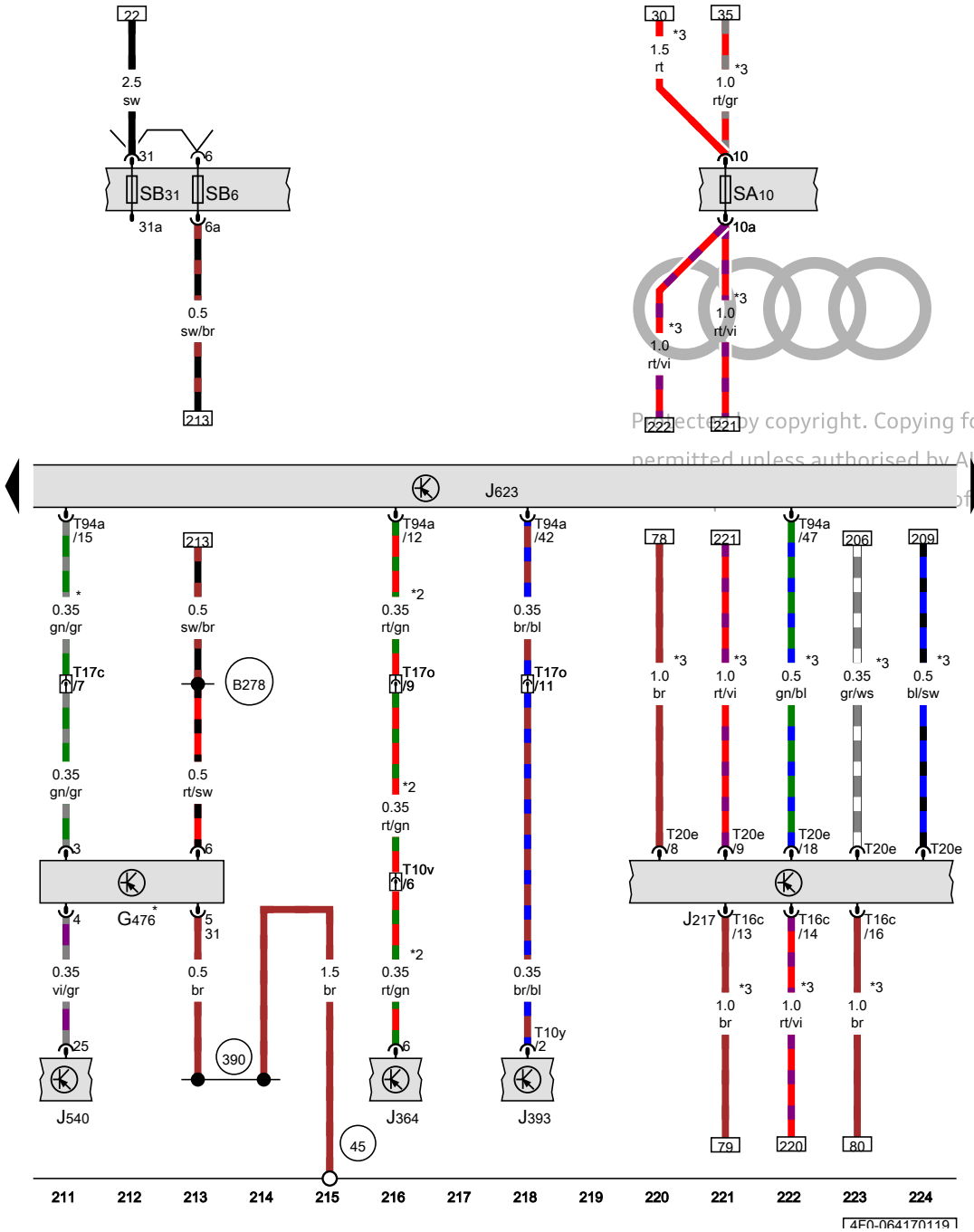


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rt = red
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gn = green
bl = blue
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li = purple
vi = purple
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rs = pink

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

F	Brake light switch
F47	Brake pedal switch
F194	Clutch pedal switch for engine start
J104	ABS control unit
J623	Engine/motor control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T17f	17-pin connector, green, near left A-pillar coupling station
T94a	94-pin connector, black, on engine/motor control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
E26	Connection (selector position P/N), in Motronic wiring harness
*	Up to May 2007
*2	From June 2007
*3	For models with manual gearbox
*4	see applicable current flow diagram for automatic gearbox

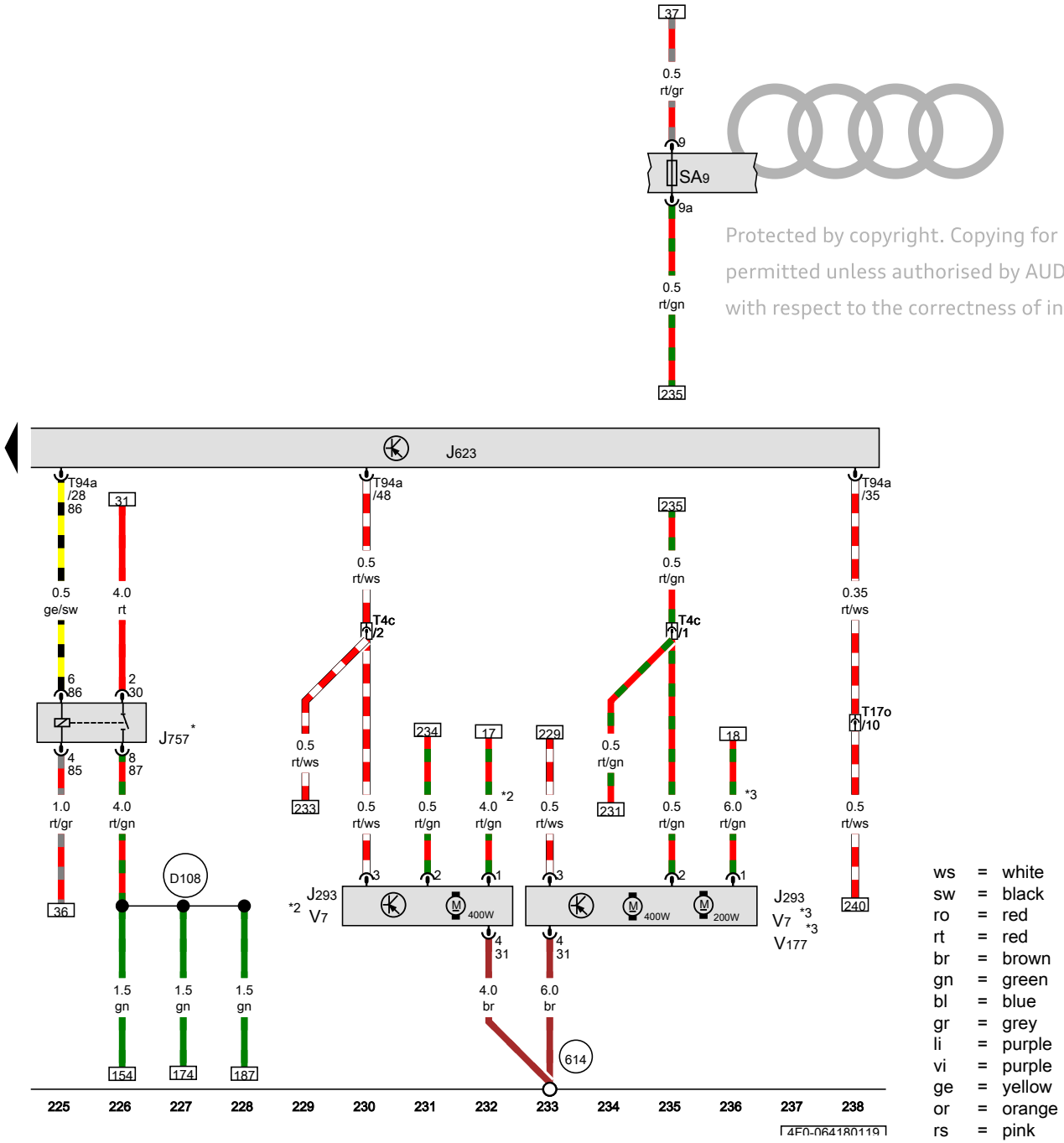


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Clutch position sender, Engine/motor control unit

G476	Clutch position sender
J217	Automatic gearbox control unit
J364	Auxiliary heater control unit
J393	Convenience system central control unit
J540	Control unit for electromechanical parking brake
J623	Engine/motor control unit
SB6	Fuse 6 on fuse holder B
SA10	Fuse 10 on fuse holder A
SB31	Fuse 31 on fuse holder B
T10v	10-pin connector, white, Coupling station, E-box on left in plenum chamber
T10y	10-pin connector, black, on convenience system central control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94a	94-pin connector, black, on engine/motor control unit
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a) in main wiring harness
*	For models with manual gearbox
*2	For models with auxiliary heating
*3	see applicable current flow diagram for automatic gearbox

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
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gr	=	grey
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or	=	orange
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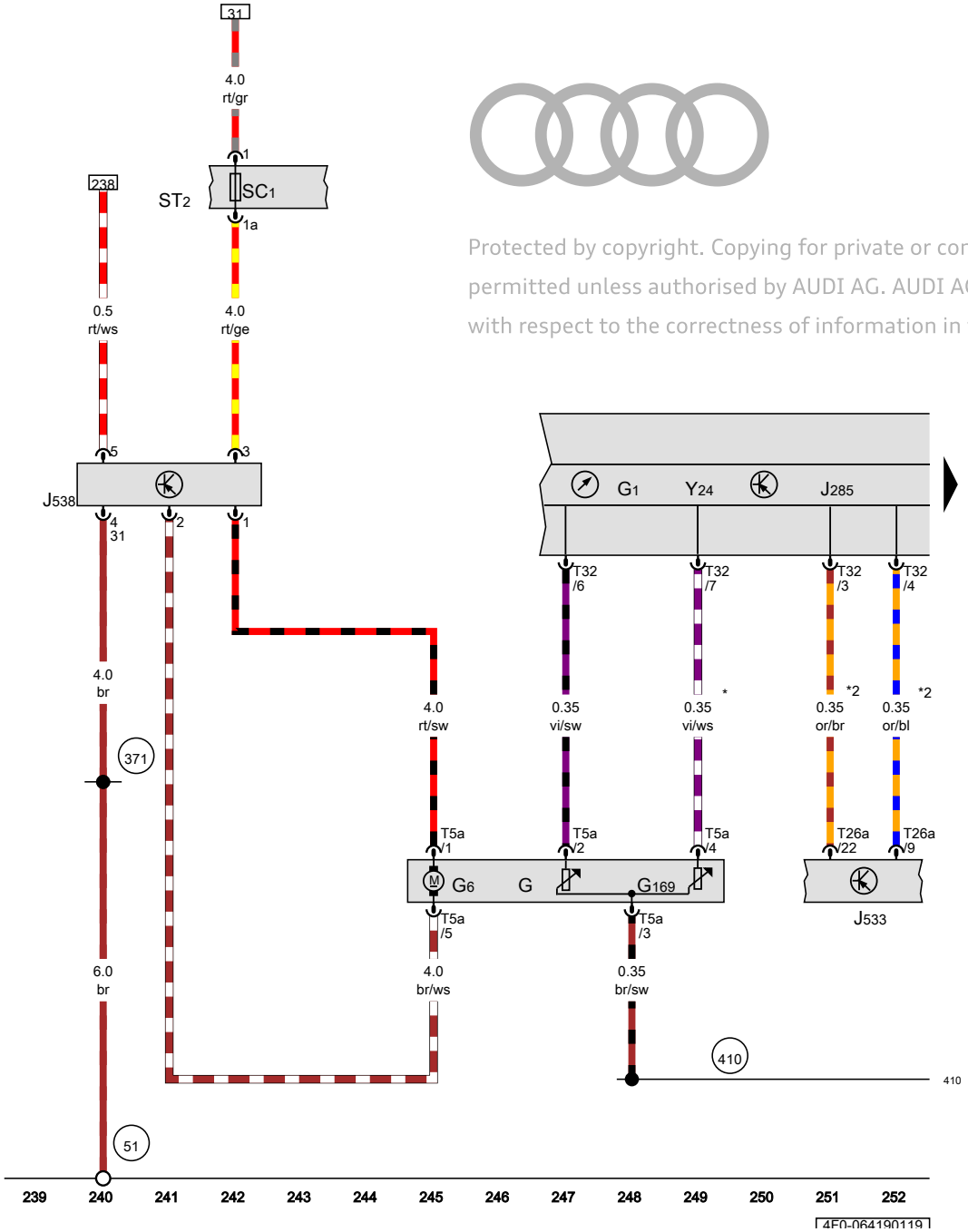


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gn = green
bl = blue
gr = grey
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vi = purple
ge = yellow
or = orange
rs = pink

Radiator fan control unit, Engine/motor control unit, Engine component current supply relay, Radiator fan, Radiator fan 2

J293	Radiator fan control unit
J623	Engine/motor control unit
J757	Engine component current supply relay
SA9	Fuse 9 on fuse holder A
T4c	4-pin connector, black, Coupling station, E-box on right in plenum chamber, Radiator fan connection
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T94a	94-pin connector, black, on engine/motor control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
D108	Connection 6 in engine compartment wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	For models with no towing bracket
*3	For models with towing bracket

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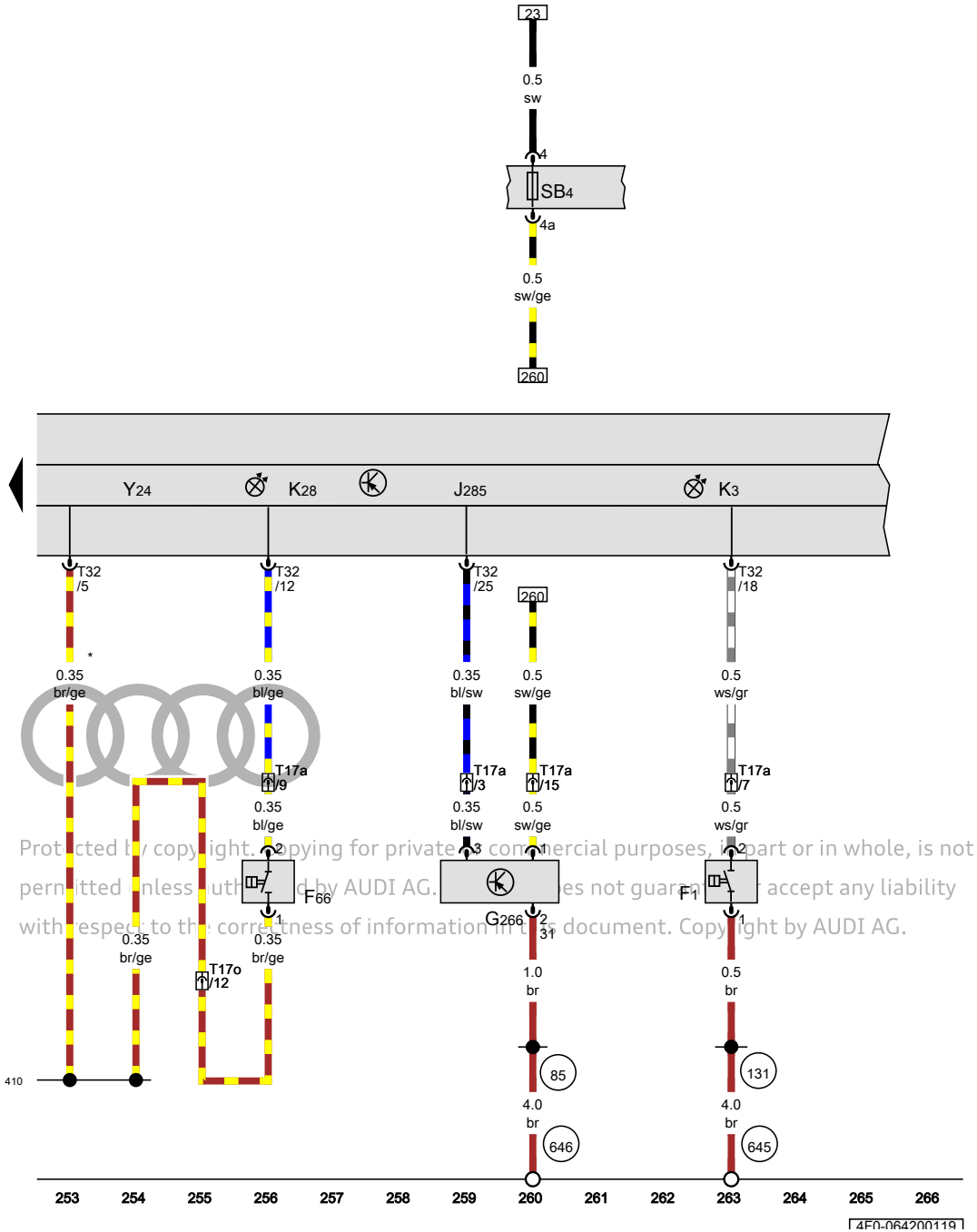


ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

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Fuel gauge sender, Fuel gauge, Fuel system pressurisation pump, Fuel gauge sender 2, Control unit in dash panel insert, Fuel pump control unit

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J538	Fuel pump control unit
SC1	Fuse 1 on fuse holder C
ST2	Fuse carrier 2
T5a	5-pin connector, black, on fuel tank
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
*	For models with all-wheel drive
*2	Data bus wire (CAN bus)



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Oil pressure switch, Coolant shortage indicator switch, Oil level and oil temperature sender, Control unit in dash panel insert, Oil pressure warning lamp, Coolant temperature and coolant shortage warning lamp, Display in dash panel insert

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
*	Output for sender earth

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

Audi A6 2.0 l Turbo-diesel engine (89 kW - 4 cylinder) engine code BVG
from model year 2007

Audi A6 2.0 l Turbo-diesel engine (100 kW - 4 cylinder) engine codes BNA, BRF
from model year 2007

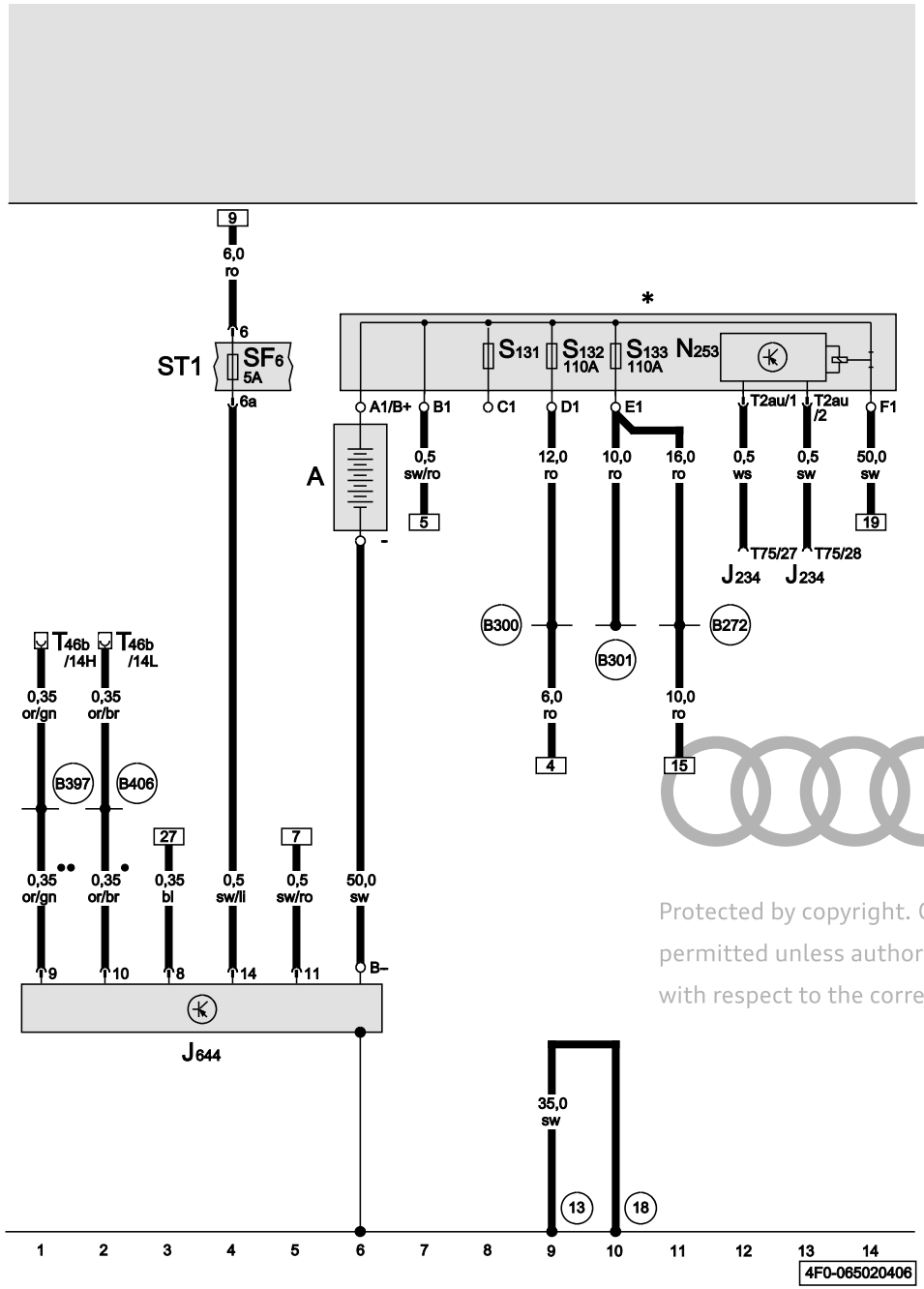
Audi A6 2.0 l Turbo-diesel engine (103 kW - 4 cylinder) engine codes BLB, BRE
from model year 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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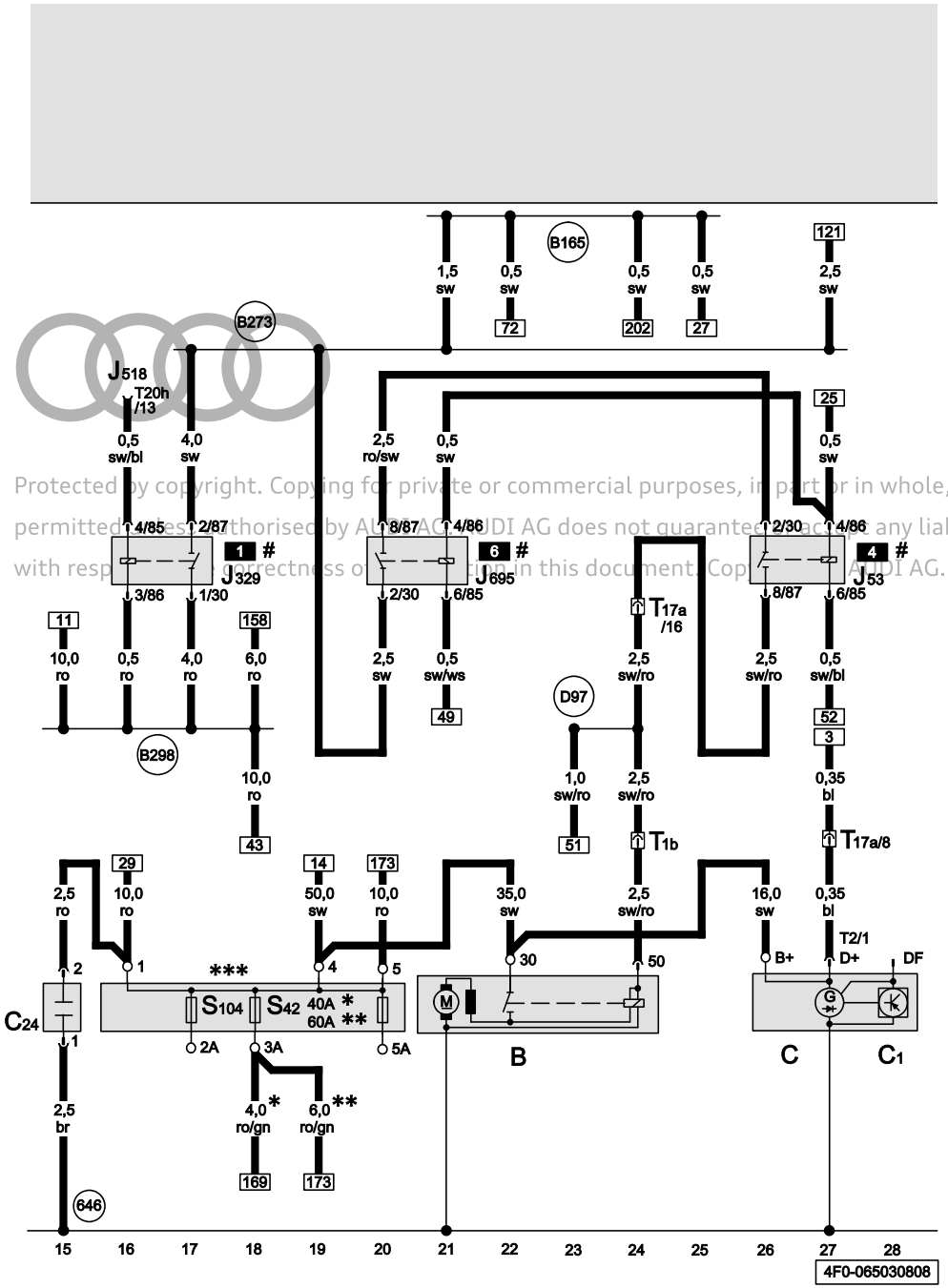


Battery, energy management control unit, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
T2au	2-pin connector, purple, on battery isolation igniter
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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or	=	orange
rs	=	pink



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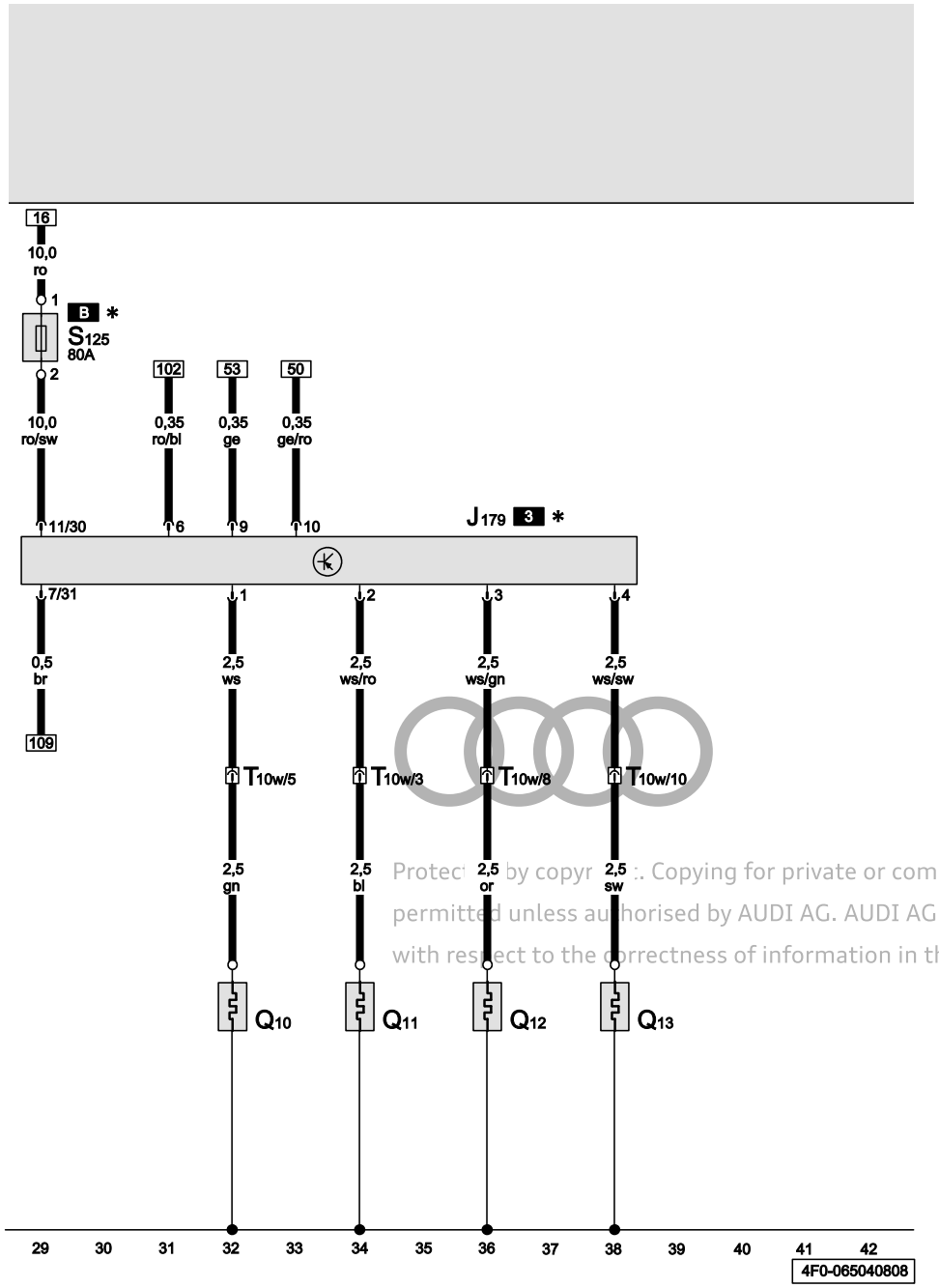
Starter, alternator, starter motor relay, starter motor relay 2, terminal 15 voltage supply relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	standard cooling
**	heavy-duty cooling
***	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment

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

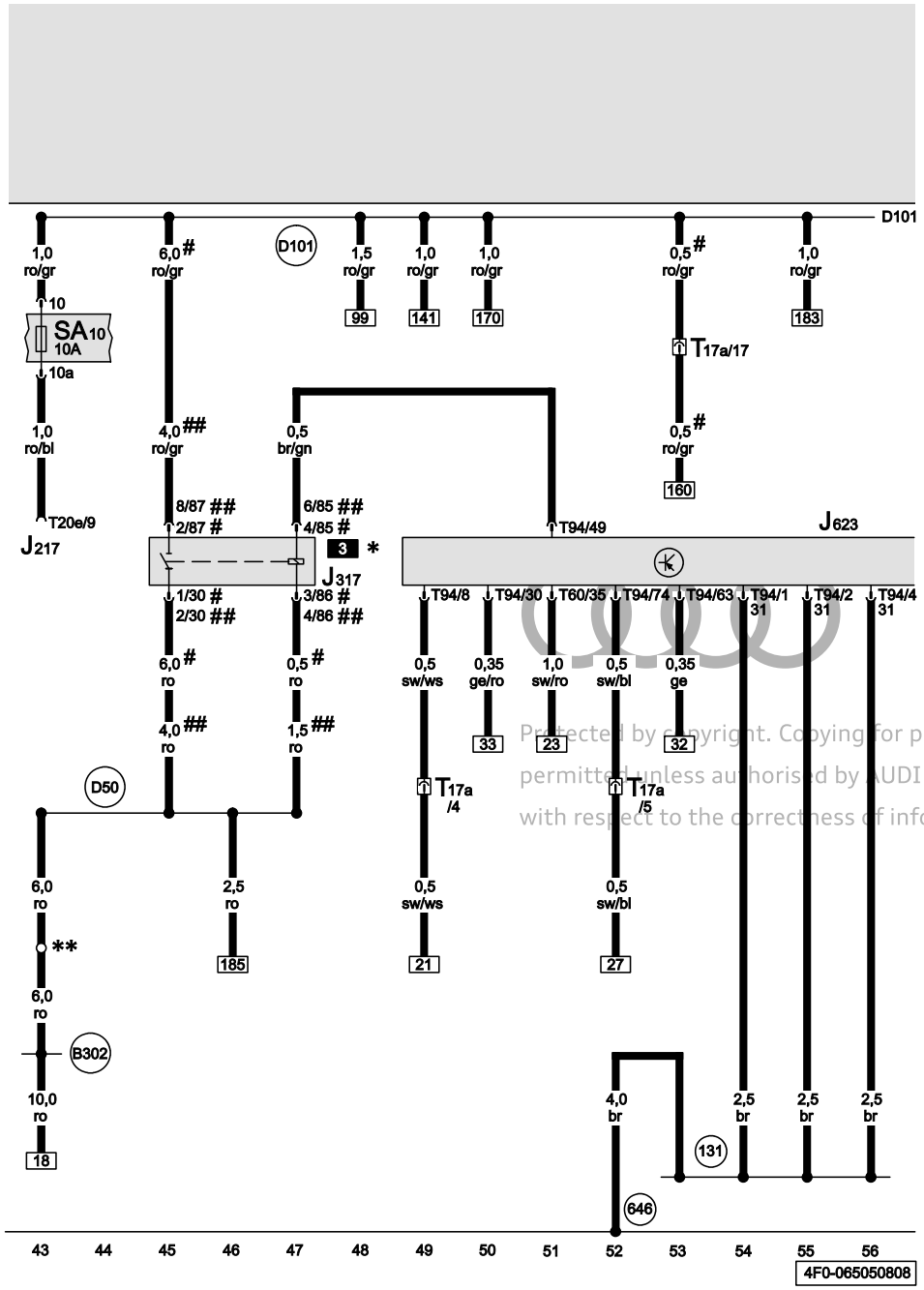
Automatic glow period control unit, glow plugs fuse, glow plugs

J179	Automatic glow period control unit
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
S125	Glow plug fuse
T10w	10-pin connector, black, in engine compartment
*	Relay carrier electronics box on right in plenum chamber



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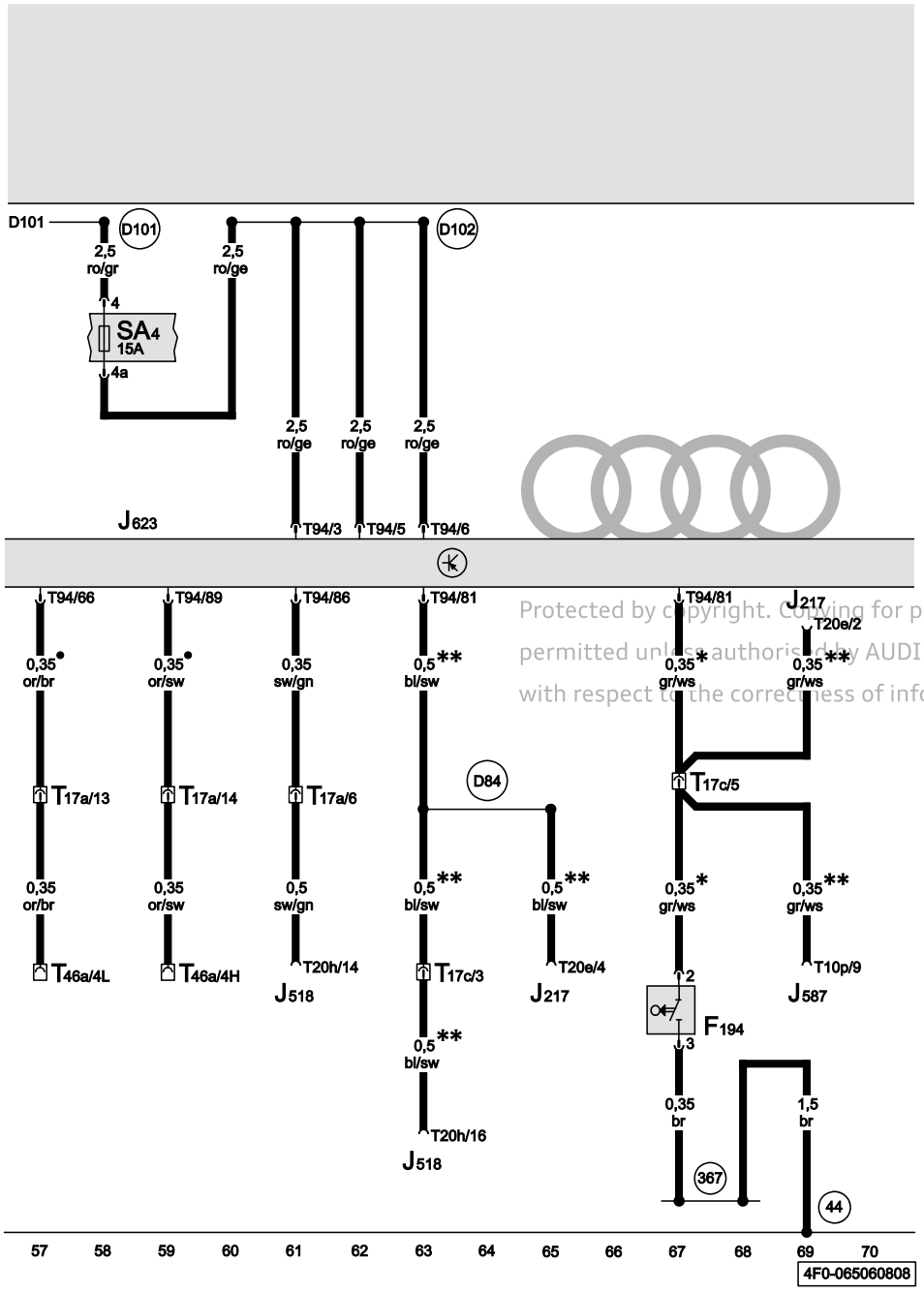
Engine control unit, terminal 30 voltage supply relay

J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J623	Engine control unit
SA10	Fuse 10 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	Screw connection in electronics box left in plenum chamber
#	up to May 2007
##	from June 2007

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bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, clutch pedal switch for engine start



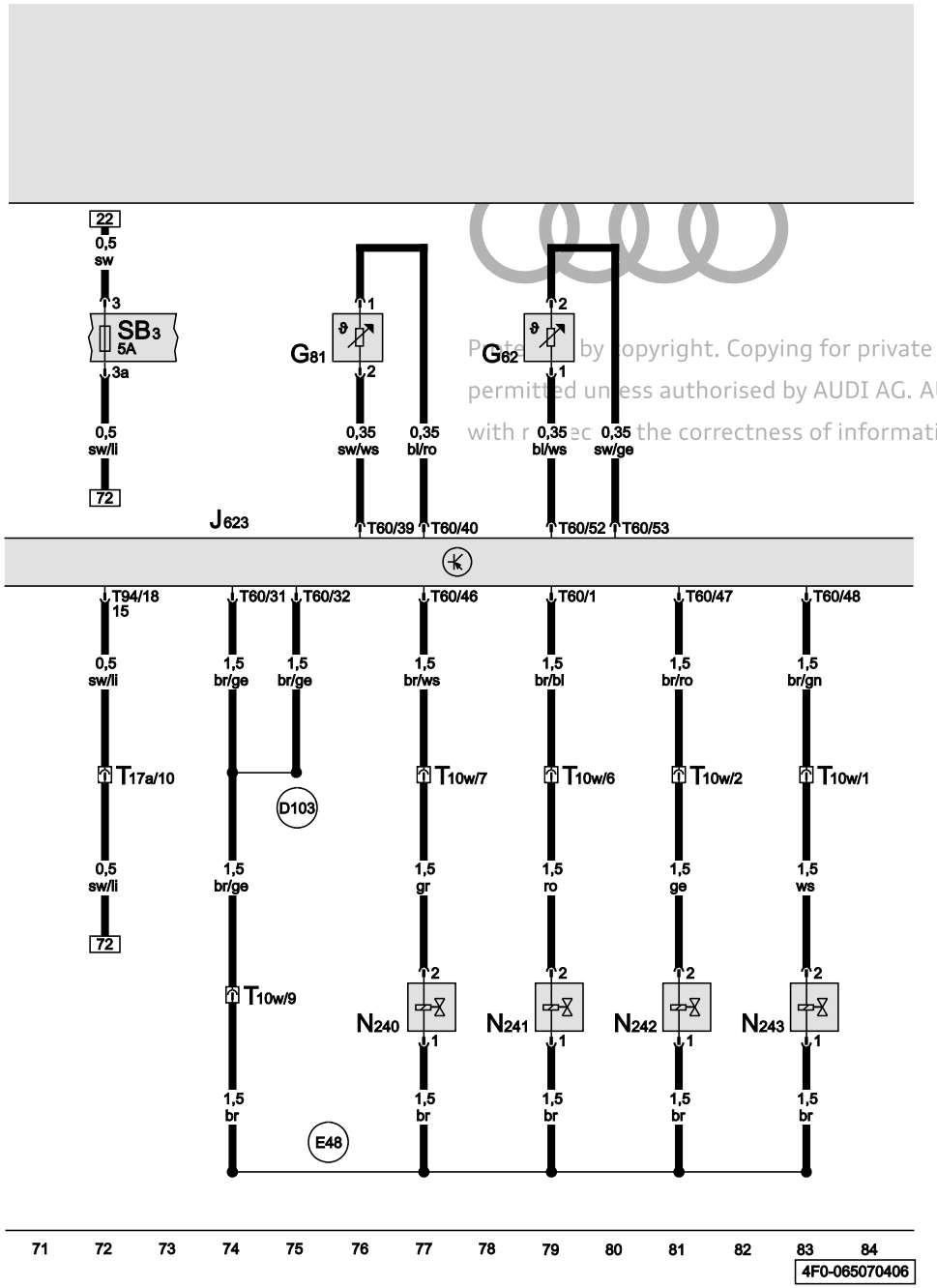
F194	Clutch pedal switch for engine start
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
T10p	10-pin connector, black, on selector lever sensors control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN separating connector left
T94	94-pin connector, black, connector B, on engine control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)
*	models with manual gearbox
**	models with automatic gearbox 01J

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

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Engine control unit, fuel temperature sender, unit injector valve, No. 1 up to 4 cyl.,coolant temperature sender

G62	Coolant temperature sender
G81	Fuel temperature sender
J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
SB3	Fuse 3 on fuse holder B
T10w	10-pin connector, black, in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
D103	Connection 3, in engine compartment wiring harness
E48	Connection (injectors), in injection system wiring harness

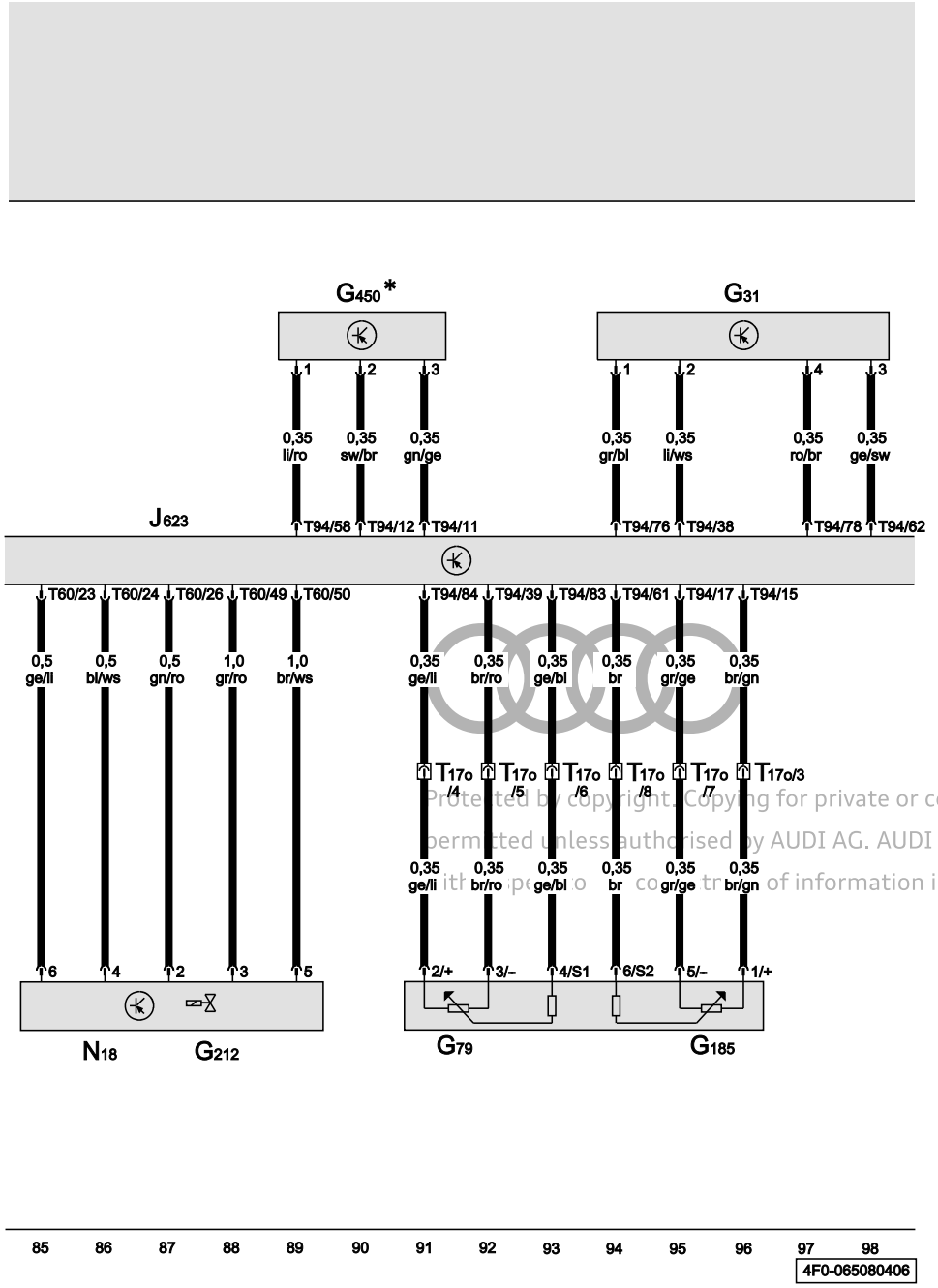


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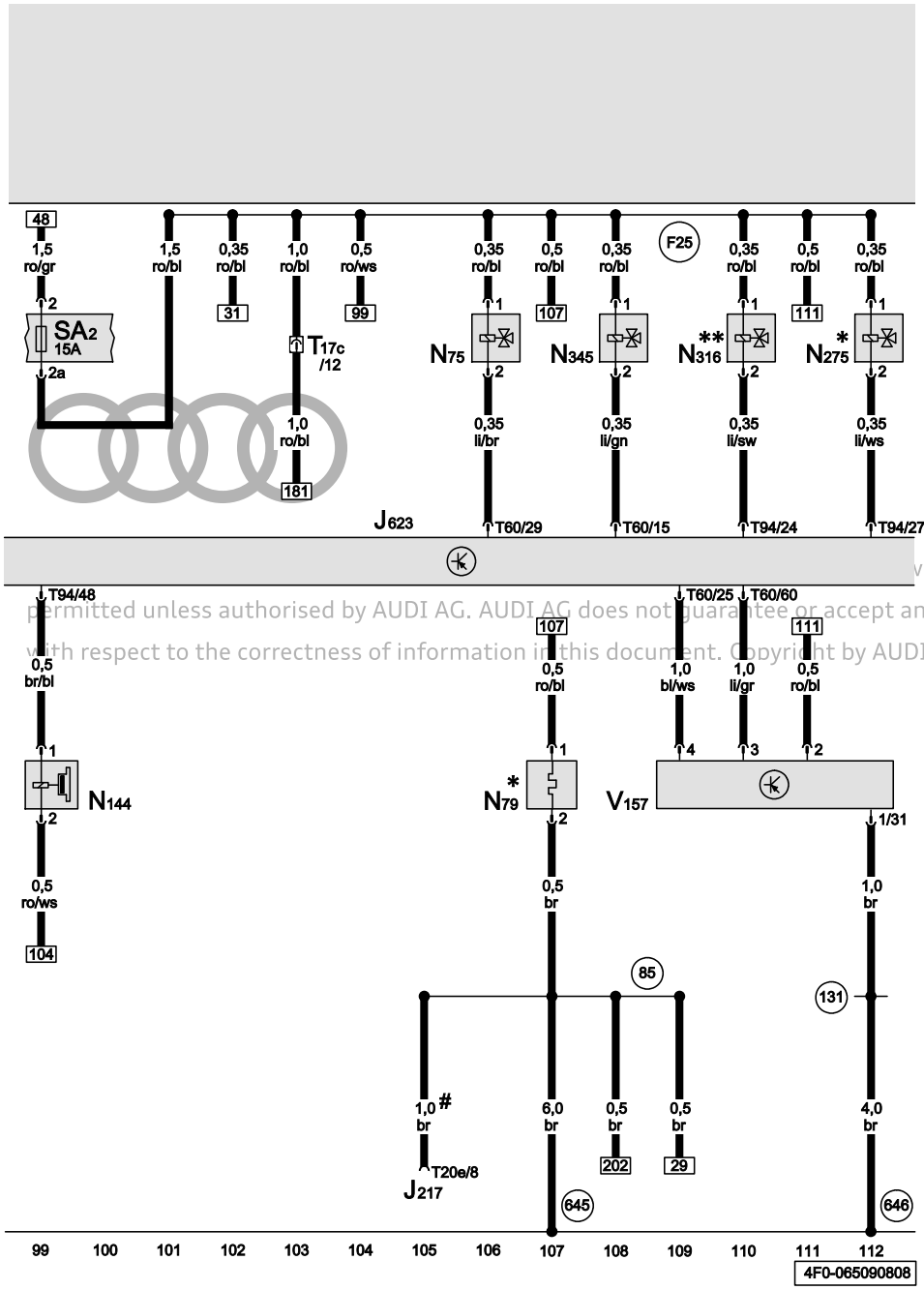
Engine control unit, charge air pressure sender, accelerator position sender, exhaust gas pressure sensor 1, exhaust gas recirculation valve

G31	Charge air pressure sender
G79	Accelerator position sender
G185	Accelerator position sender 2
G212	Exhaust gas recirculation potentiometer
G450	Exhaust gas pressure sensor 1
J623	Engine control unit
N18	Exhaust gas recirculation valve
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
*	models with particulate filter



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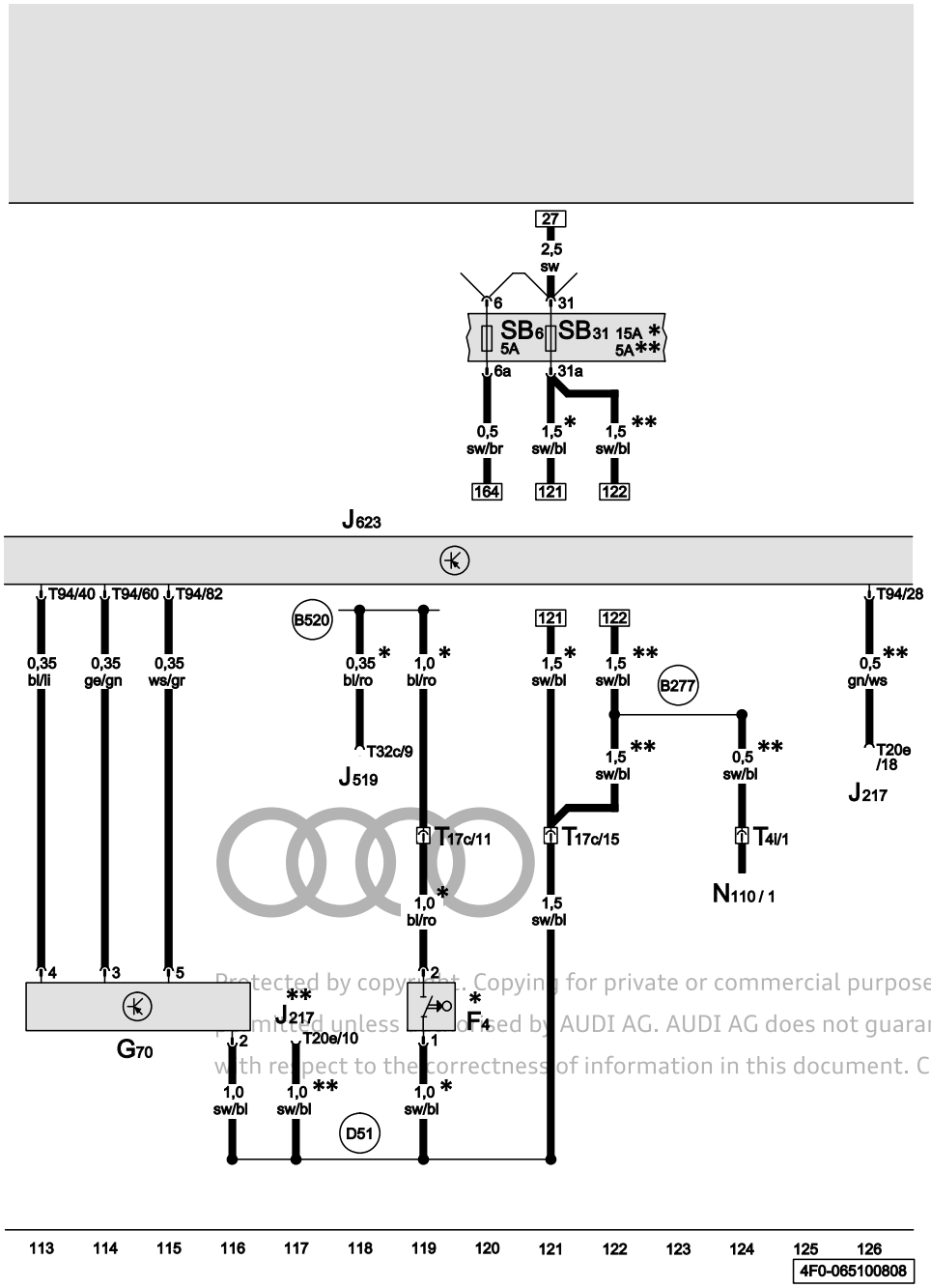


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Engine control unit, left electrohydraulic engine mounting solenoid valve, charge pressure control solenoid valve, intake manifold flap valve

J217	Automatic gearbox control unit
J623	Engine control unit
N75	Charge pressure control solenoid valve
N79	Heater element for crankcase breather
N144	Left electrohydraulic engine mounting solenoid valve
N275	Air filter bypass flap valve
N316	Intake manifold flap valve
N345	Exhaust gas recirculation cooler change-over valve
SA2	Fuse 2 on fuse holder A
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
V157	Intake manifold flap motor
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
F25	Connection 1, in diesel direct injection system wiring harness
*	only applies to versions for countries with cold climate
**	models with particulate filter and/or automatic gearbox
#	models with automatic gearbox 01J

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
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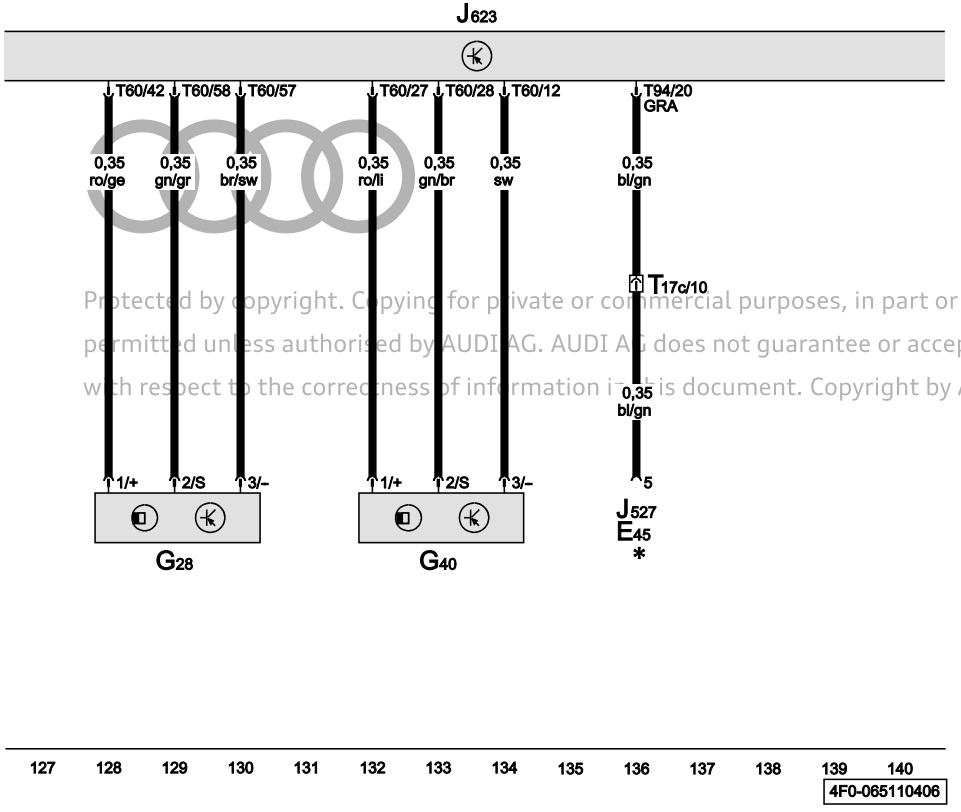
Engine control unit, air mass meter, reversing light switch

F4	Reversing light switch
G70	Air mass meter
J217	Automatic gearbox control unit
J519	Onboard supply control unit
J623	Engine control unit
N110	Selector lever lock solenoid
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T4i	4-pin connector, black, in centre console on selector lever console
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T94	94-pin connector, black, connector B, on engine control unit
B277	Positive connection 1 (15a), in main wiring harness
B520	Connection (RL), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J

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

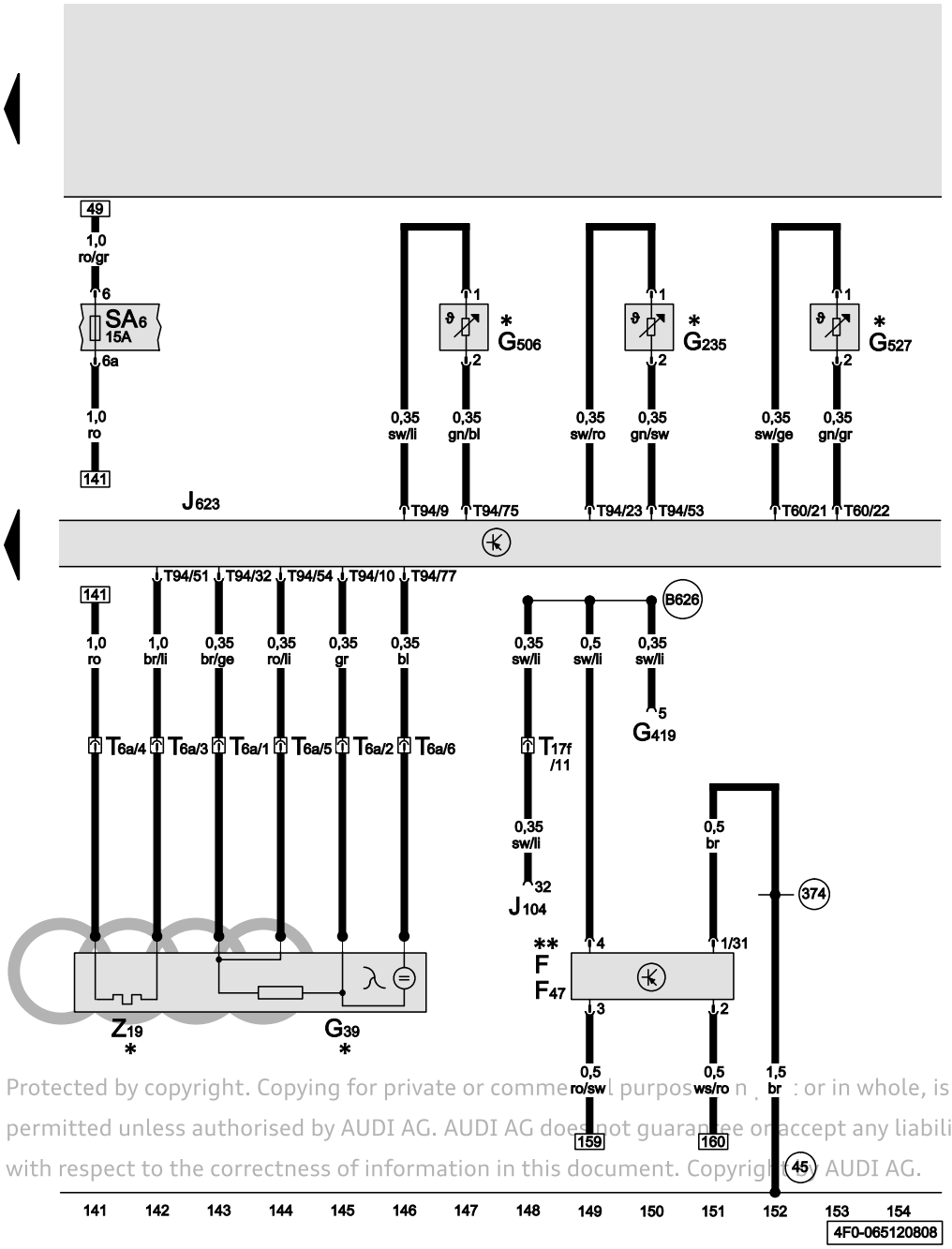
Engine control unit, engine speed sender, Hall sender

E45	Cruise control system switch
G28	Engine speed sender
G40	Hall sender
J527	Steering column electronics control unit
J623	Engine control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
*	models with cruise control system



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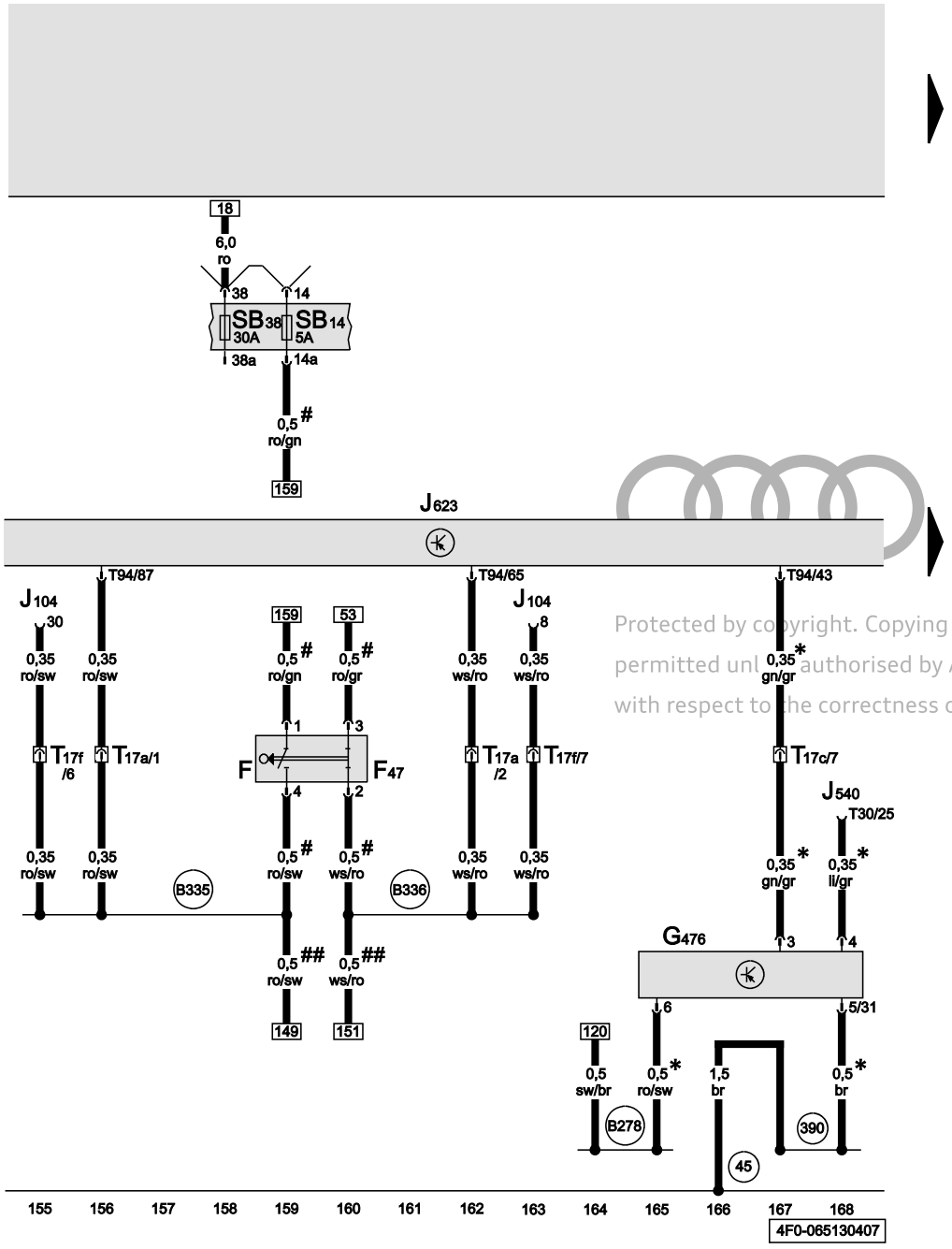


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Engine control unit, lambda probe, exhaust gas temperature sender 1, temperature sender before particulate filter, temperature sender after particulate filter, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G39	Lambda probe
G235	Exhaust gas temperature sender 1
G419	ESP sensor unit
G506	Temperature sender before particulate filter
G527	Temperature sender after particulate filter
J104	ABS control unit
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, for lambda probe
T17f	17-pin connector, green, coupling station on left of A-pillar
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
*	models with particulate filter
**	from June 2007

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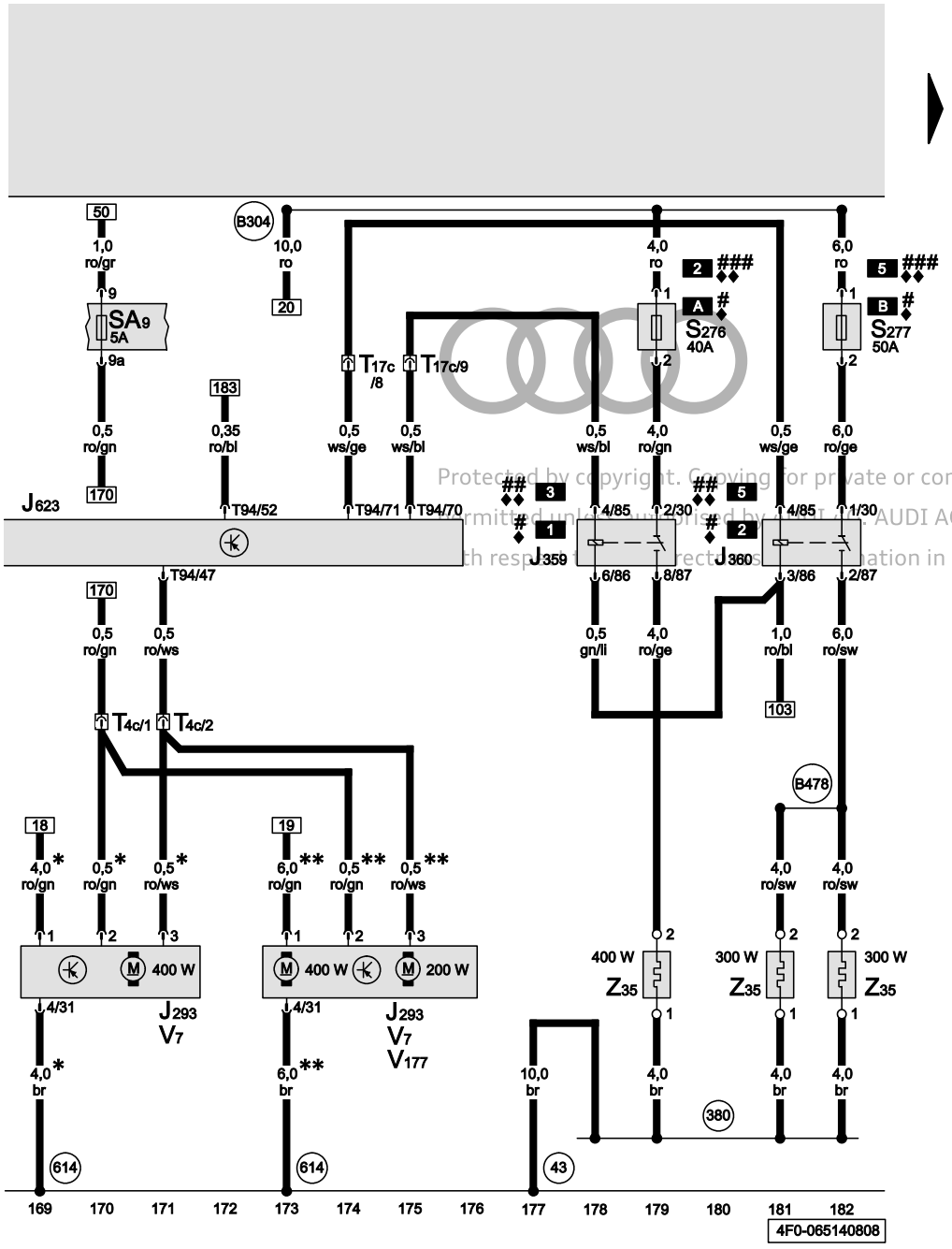


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Engine control unit, brake light switch, brake pedal switch, cutch position sender

F	Brake light switch
F47	Brake pedal switch
G476	Clutch position sender
J104	ABS control unit
J540	Electric park and handbrake control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T30	30-pin connector, black, on electric park and handbrake control unit
T94	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
*	models with manual gearbox
#	up to May 2007
##	from June 2007

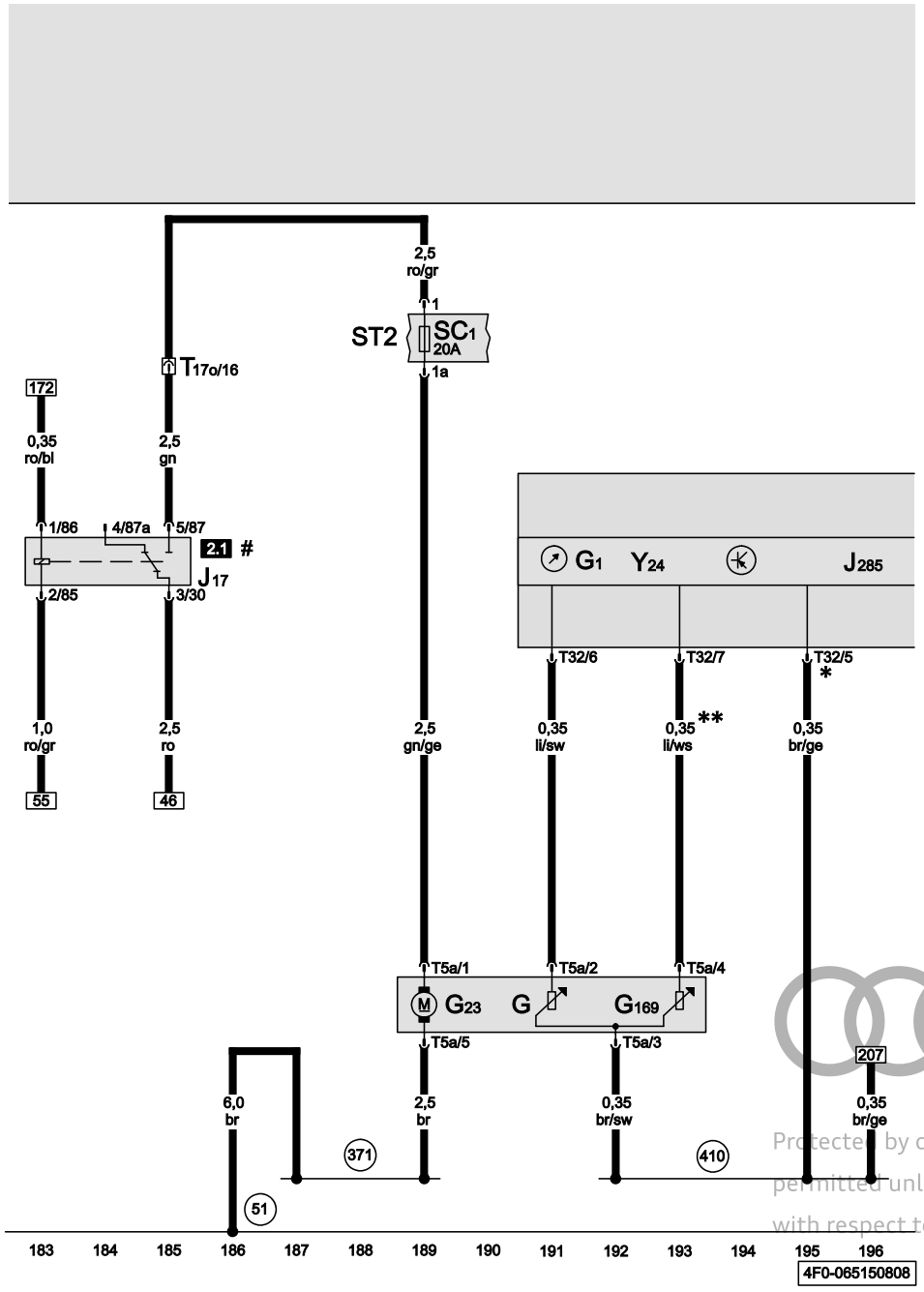


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Engine speed sender, radiator fan control unit, low heat output relay, high heat output relay, radiator fan

J293	Radiator fan control unit
J359	Low heat output relay
J360	High heat output relay
J623	Engine control unit
S276	Heater element fuse 1
S277	Heater element fuse 2
SA9	Fuse 9 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T94	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
Z35	Auxiliary heater element
43	Earth point, lower part of right A-pillar
380	Earth connection 15, in main wiring harness
614	Earth point 2, on right in engine compartment
B304	Positive connection 8 (30), in main wiring harness
B478	Connection 14 in main wiring harness
*	standard cooling
**	heavy-duty cooling
#	relay carrier on steering cross member
##	9-point relay carrier, behind driver storage compartment
###	fuses on bottom onboard supply control unit
◆	up to May 2007
◆◆	from June 2007

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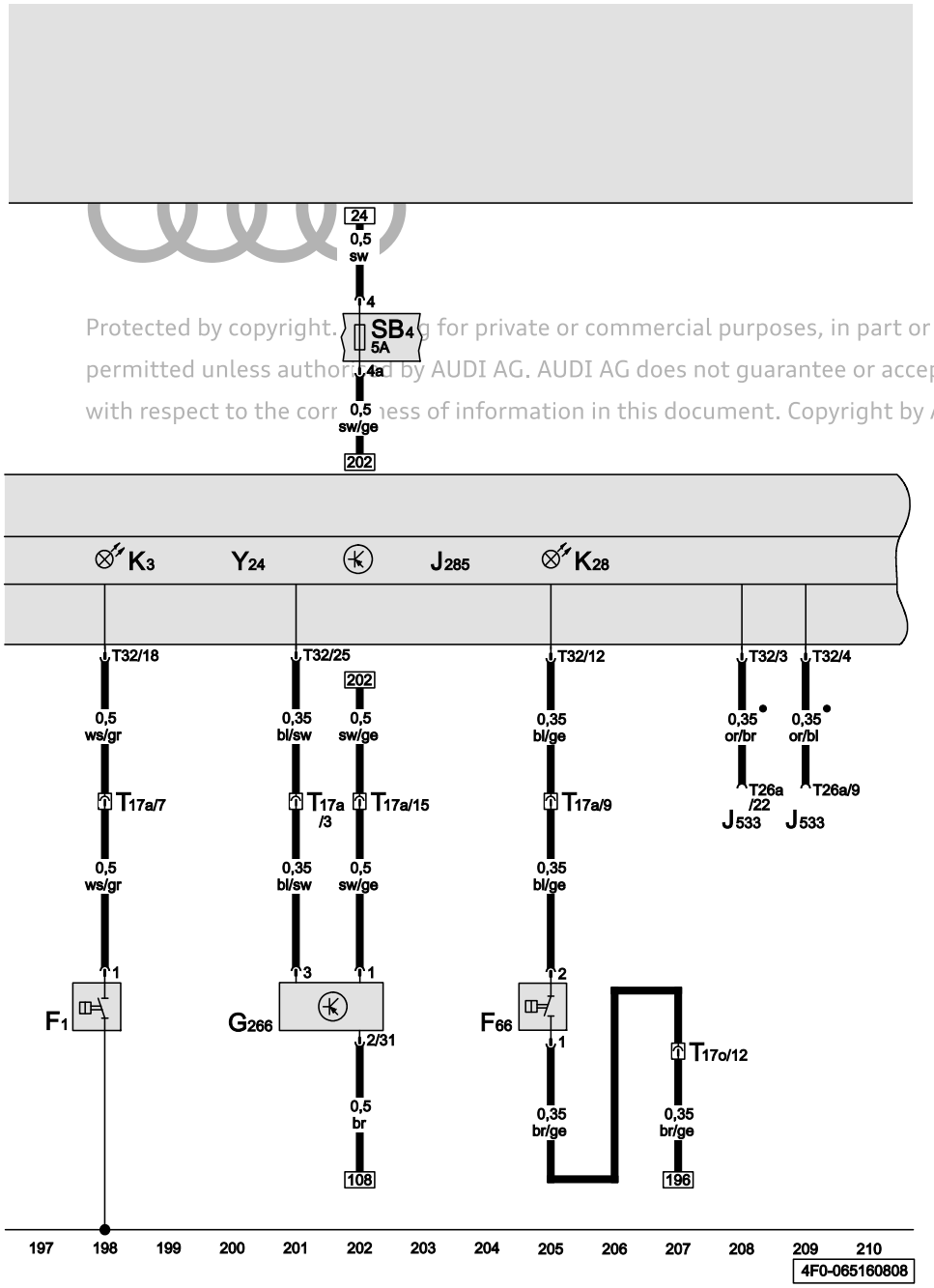


Fuel pump relay, fuel gauge sender, fuel gauge, fuel pump, fuel gauge sender 2

G	Fuel gauge sender
G1	Fuel gauge
G23	Fuel pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth
**	only four-wheel drive
#	Relay carrier electronics box left in plenum chamber

ws	=	white
sw	=	black
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Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, coolant shortage indicator switch

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
•	CAN bus (data wire)

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Audi A6 2,7 l - TDI, Common Rail (120 kW - 6-cylinder), engine code BSG
from model year 2007

Audi A6 2,7 l - TDI, Common Rail (132 kW - 6-cylinder), engine code BPP
from model year 2007

Audi A6 3,0 l - TDI, Common Rail (155 kW - 6-cylinder), engine code BNG
from model year 2007

Audi A6 3,0 l - TDI, Common Rail (165 kW - 6-cylinder), engine code BMK
from model year 2007

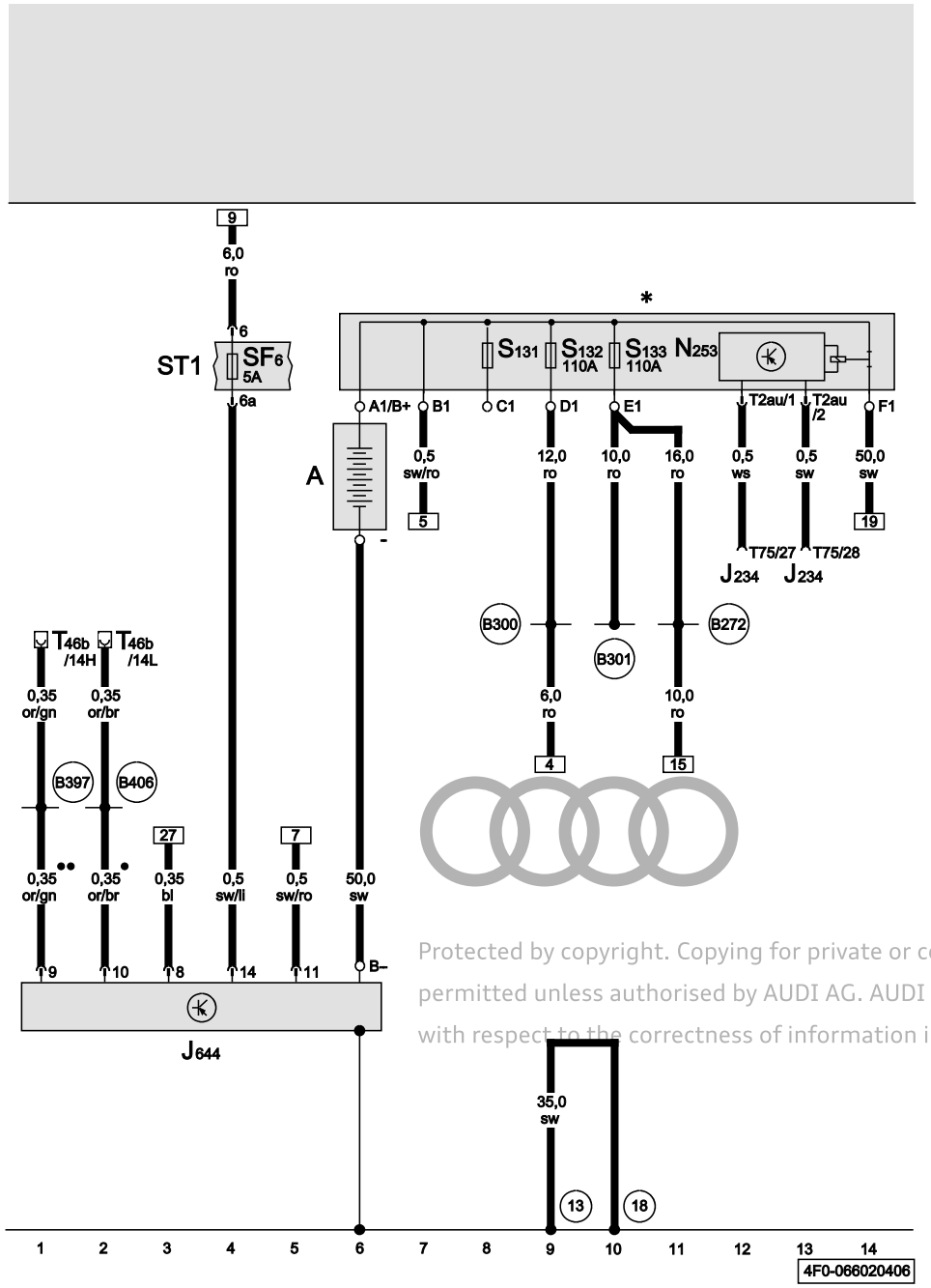
Audi A6 3,0 l - TDI, Common Rail (171 kW - 6-cylinder), engine code ASB
from model year 2007

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Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



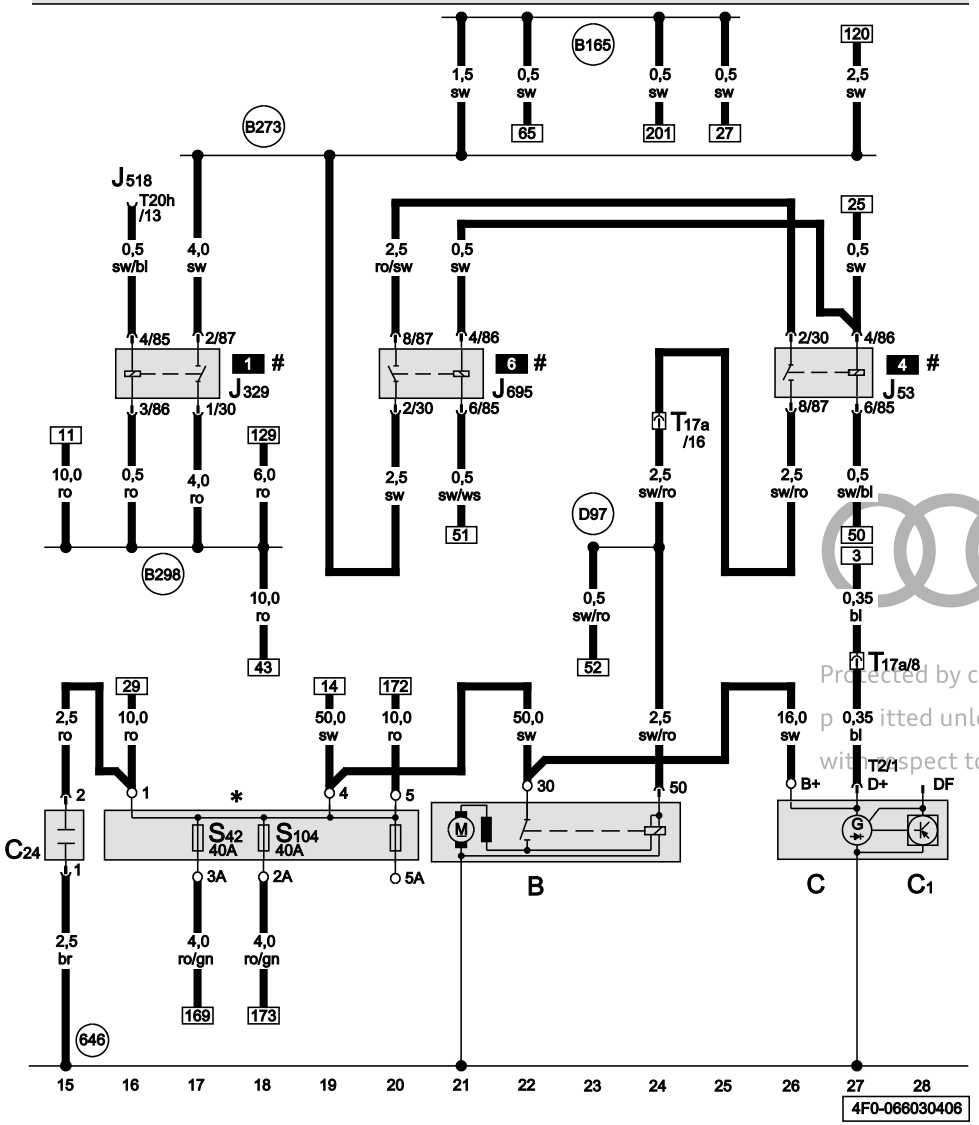
Battery, energy management control unit, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
T2au	2-pin connector, purple, on battery isolation igniter
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter



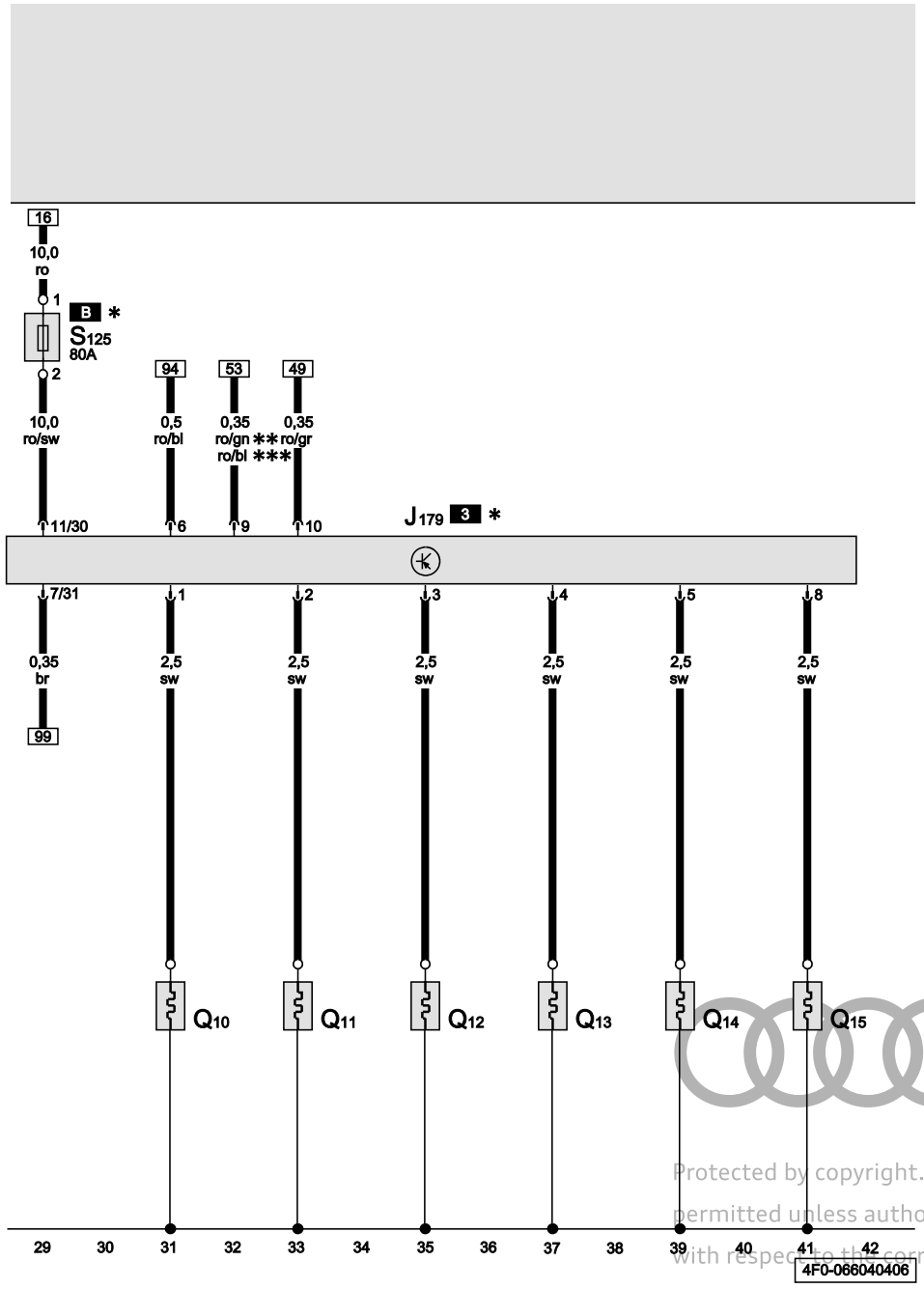
B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment

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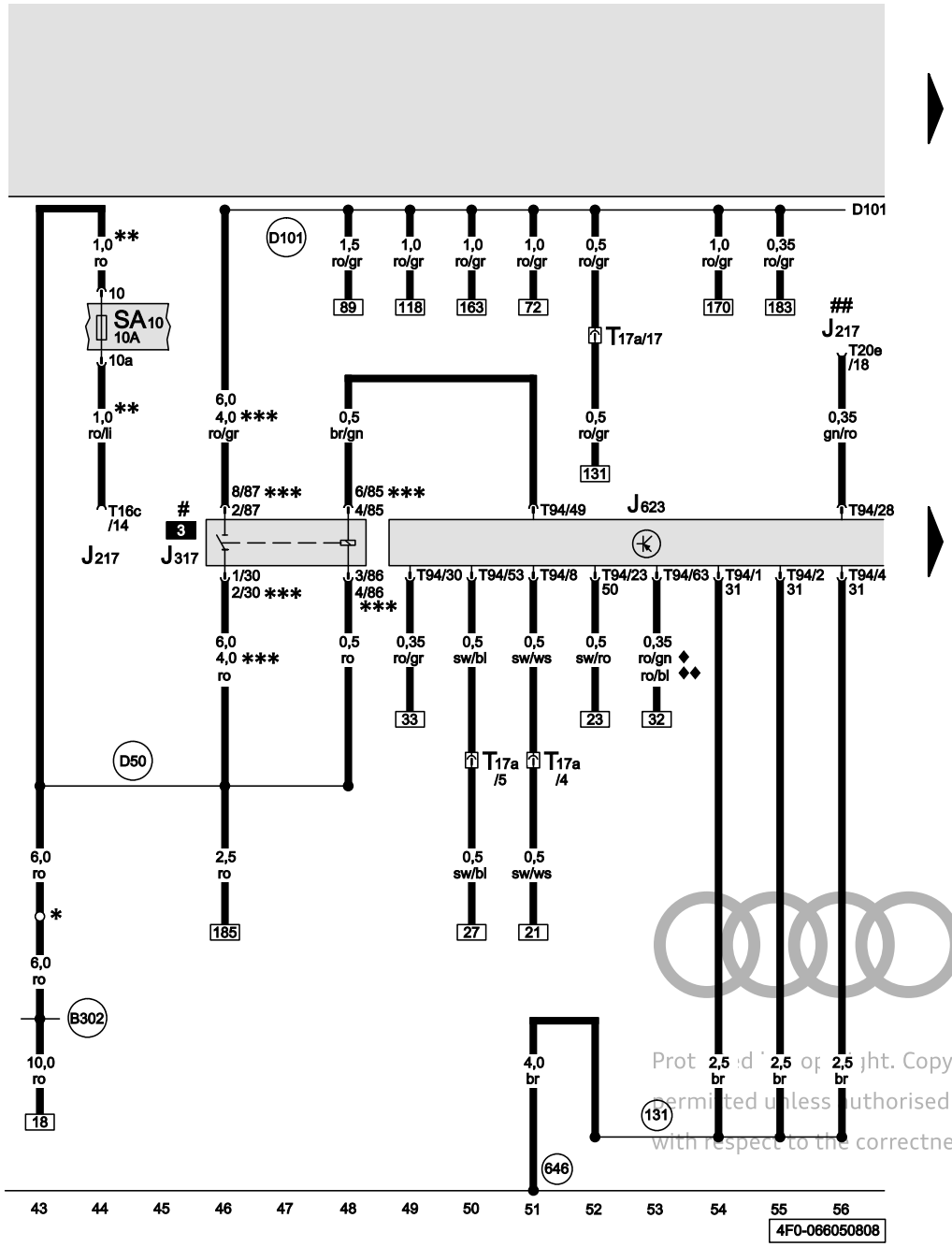
Automatic glow period control unit, glow plugs fuse, glow plugs

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
S125	Glow plug fuse
*	Relay carrier electronics box on right in plenum chamber
**	only 3,0 l diesel engine
***	only 2.7 l diesel engine



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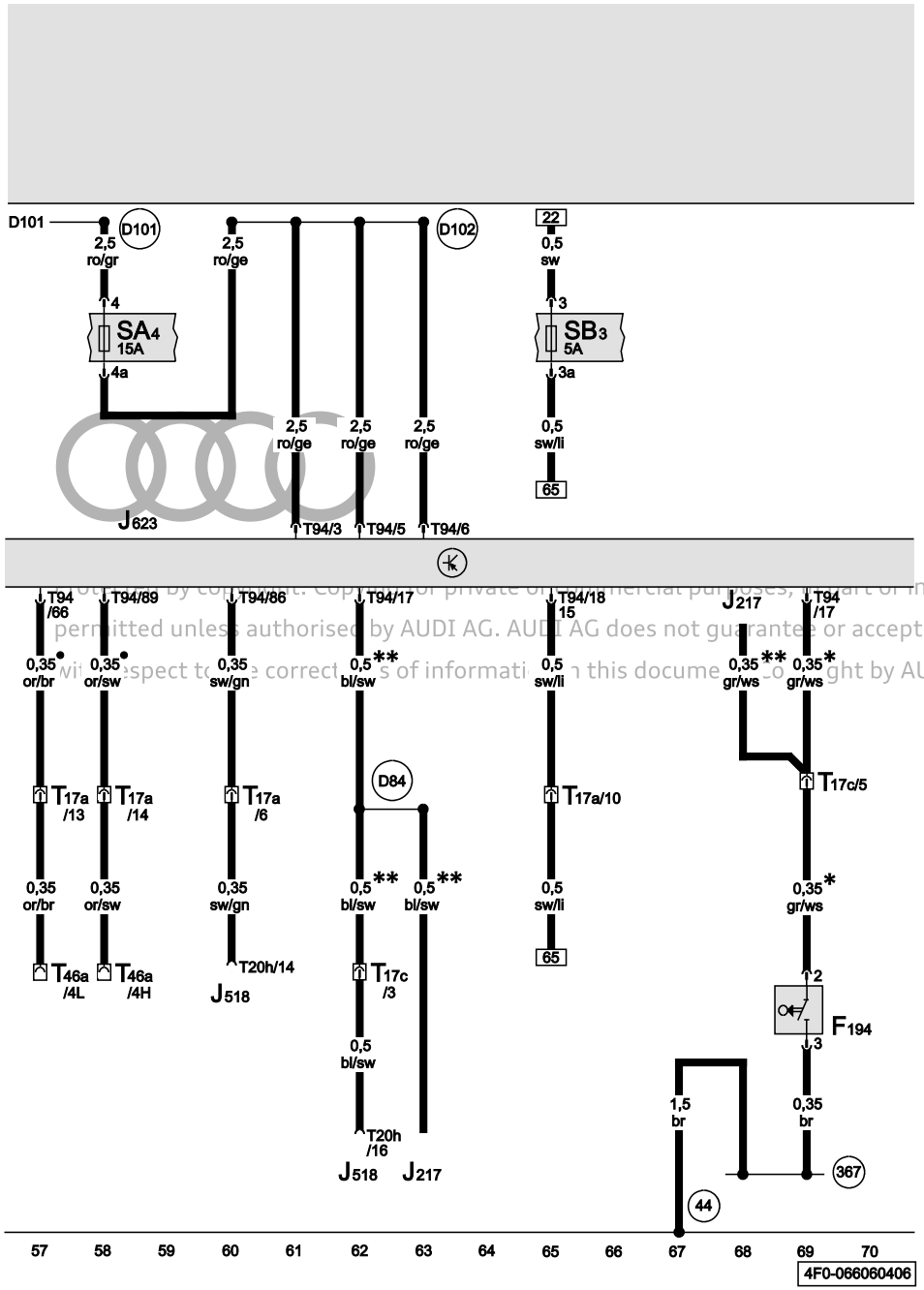


Engine control unit, terminal 30 voltage supply relay

J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J623	Engine control unit
SA10	Fuse 10 on fuse holder A
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94	94-pin connector, black, connector B, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	models with automatic gearbox 09L
***	from June 2007
#	Relay carrier electronics box left in plenum chamber
##	models with automatic gearbox 01J
◆	only 3,0 l diesel engine
◆◆	only 2.7 l diesel engine

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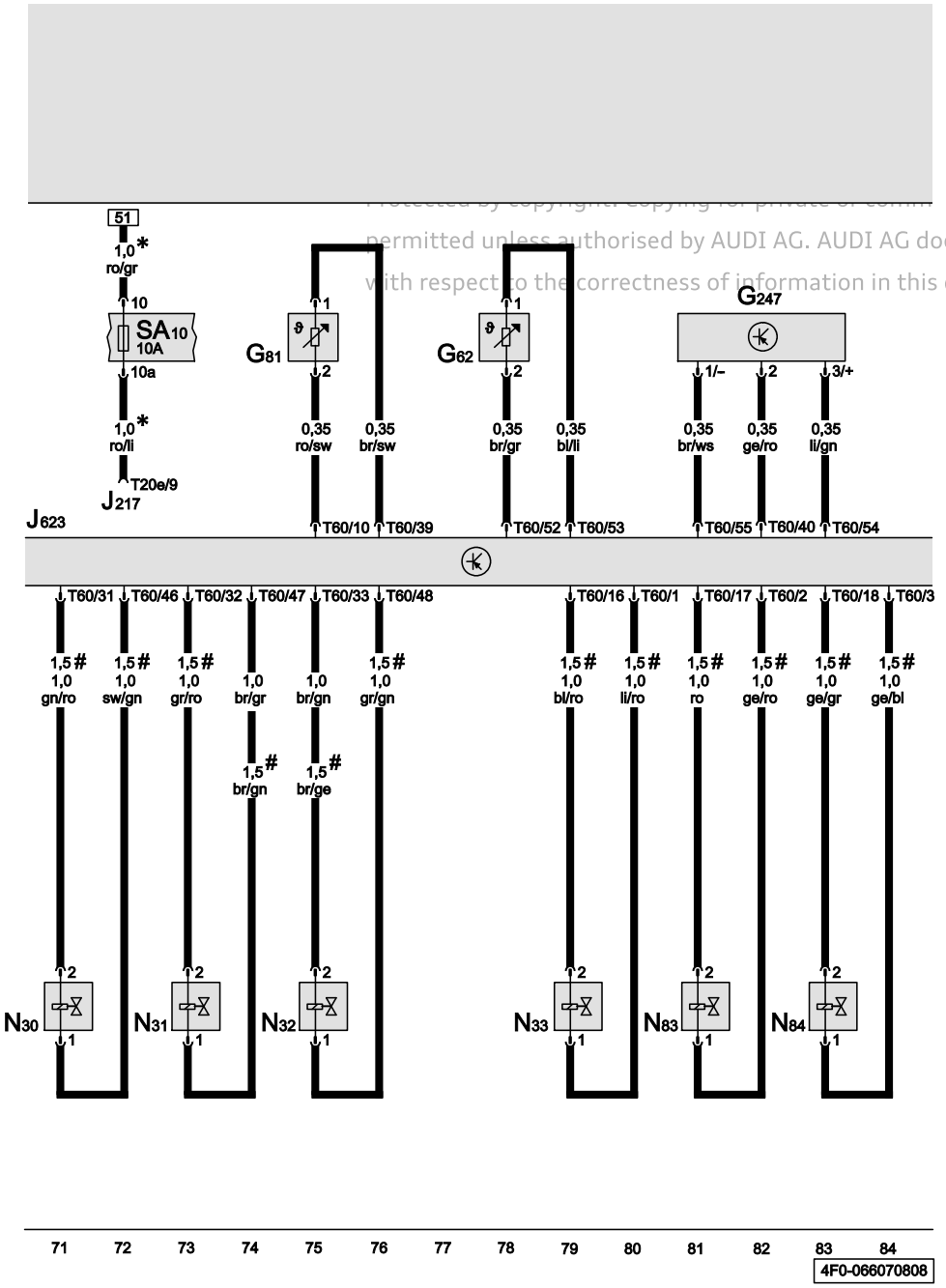


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Engine control unit, fuses, clutch pedal switch for engine start

F194	Clutch pedal switch for engine start
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
SB3	Fuse 3 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN separating connector left
T94	94-pin connector, black, connector B, on engine control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)
*	models with manual gearbox
**	see Current Flow Diagram automatic gearbox



Engine control unit, injector, cylinder 1 up to 6, coolant temperature sender, fuel temperature sender, fuel pressure sender

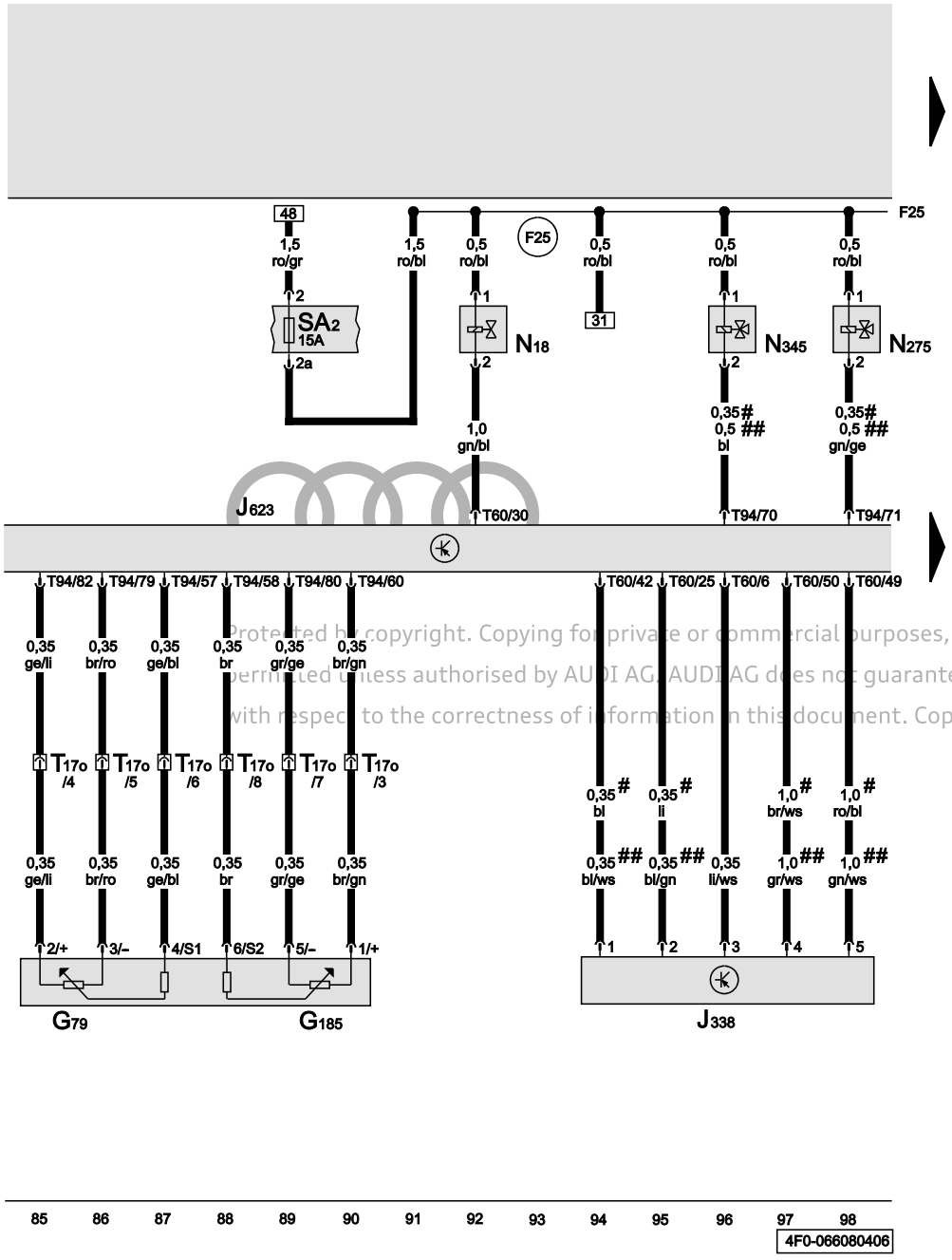
G62	Coolant temperature sender
G81	Fuel temperature sender
G247	Fuel pressure sender
J217	Automatic gearbox control unit
J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
SA10	Fuse 10 on fuse holder A
T20e	20-pin connector, black, on automatic gearbox control unit
T60	60-pin connector, black, connector A, on engine control unit
*	models with automatic gearbox 01J
#	only 2.7 l diesel engine

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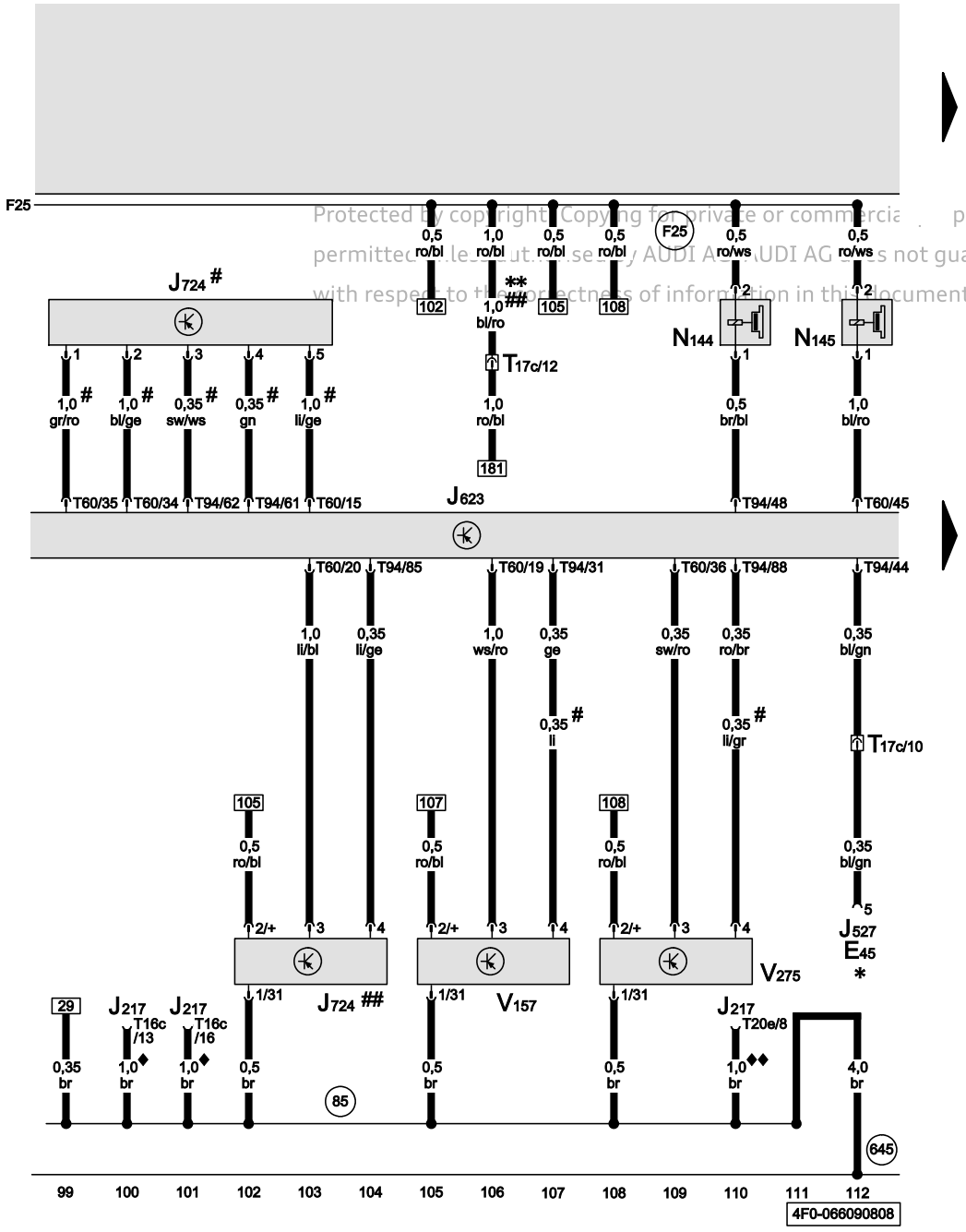
Engine control unit, accelerator position sender, throttle valve module, exhaust gas recirculation valve, exhaust gas recirculation cooler change-over valve, air filter bypass flap valve

G79	Accelerator position sender
G185	Accelerator position sender 2
J338	Throttle valve module
J623	Engine control unit
N18	Exhaust gas recirculation valve
N275	Air filter bypass flap valve
N345	Exhaust gas recirculation cooler change-over valve
SA2	Fuse 2 on fuse holder A
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
F25	Connection 1, in diesel direct injection system wiring harness
#	2.7 l diesel engine
##	3,0 l diesel engine



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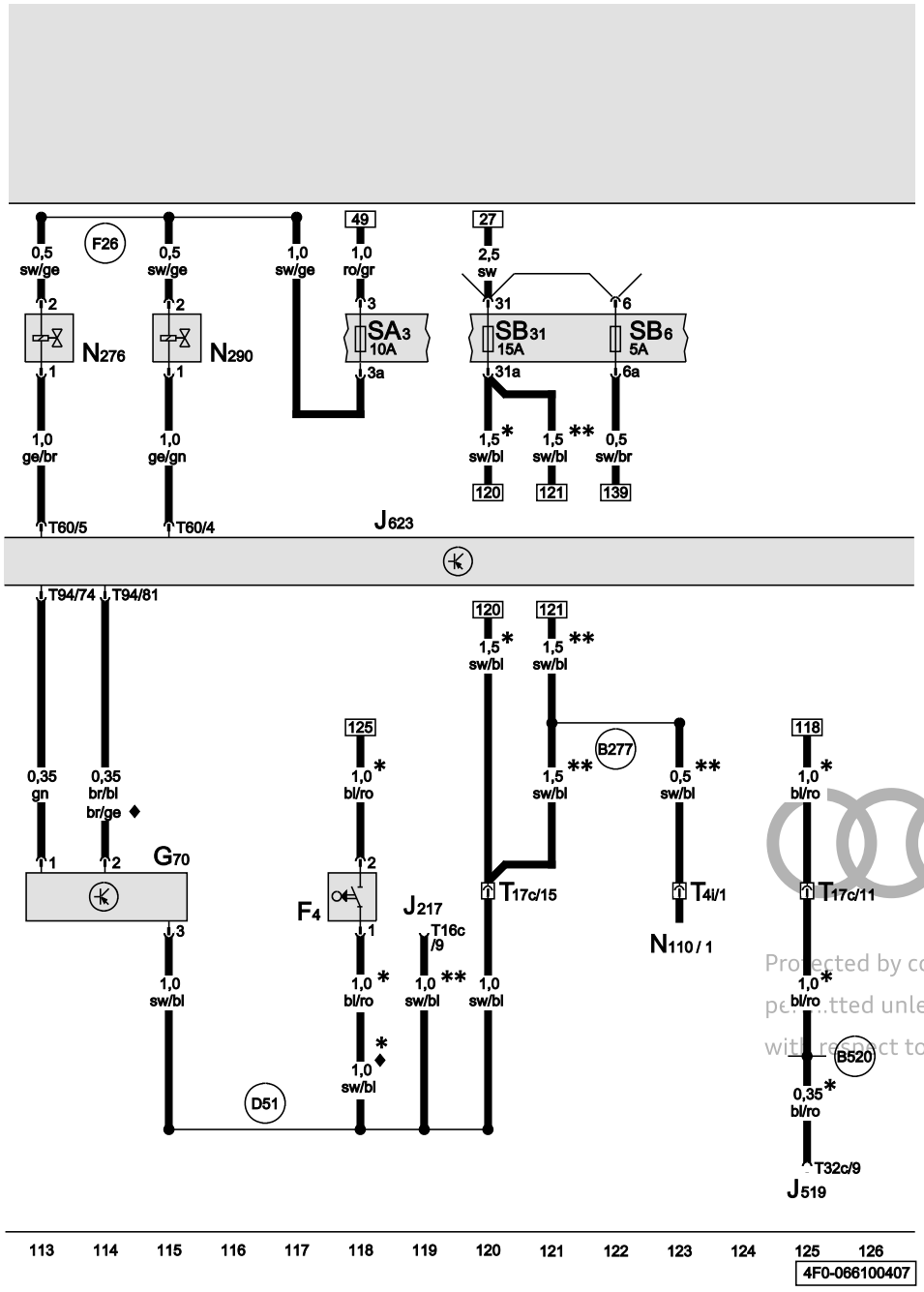


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Engine control unit, intake manifold flap motor, intake manifold flap 2 motor, turbocharger 1 control unit, left electrohydraulic engine mounting solenoid valve

E45	Cruise control system switch
J217	Automatic gearbox control unit
J527	Steering column electronics control unit
J623	Engine control unit
J724	Turbocharger 1 control unit
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
V157	Intake manifold flap motor
V275	Intake manifold flap 2 motor
85	Earth connection 1, in engine compartment wiring harness
645	Earth point 1, on bulkhead
F25	Connection 1, in diesel direct injection system wiring harness
*	models with cruise control system
**	from May 2007
#	2.7 l diesel engine
##	3,0 l diesel engine
◆	models with automatic gearbox 09L
◆◆	models with automatic gearbox 01J

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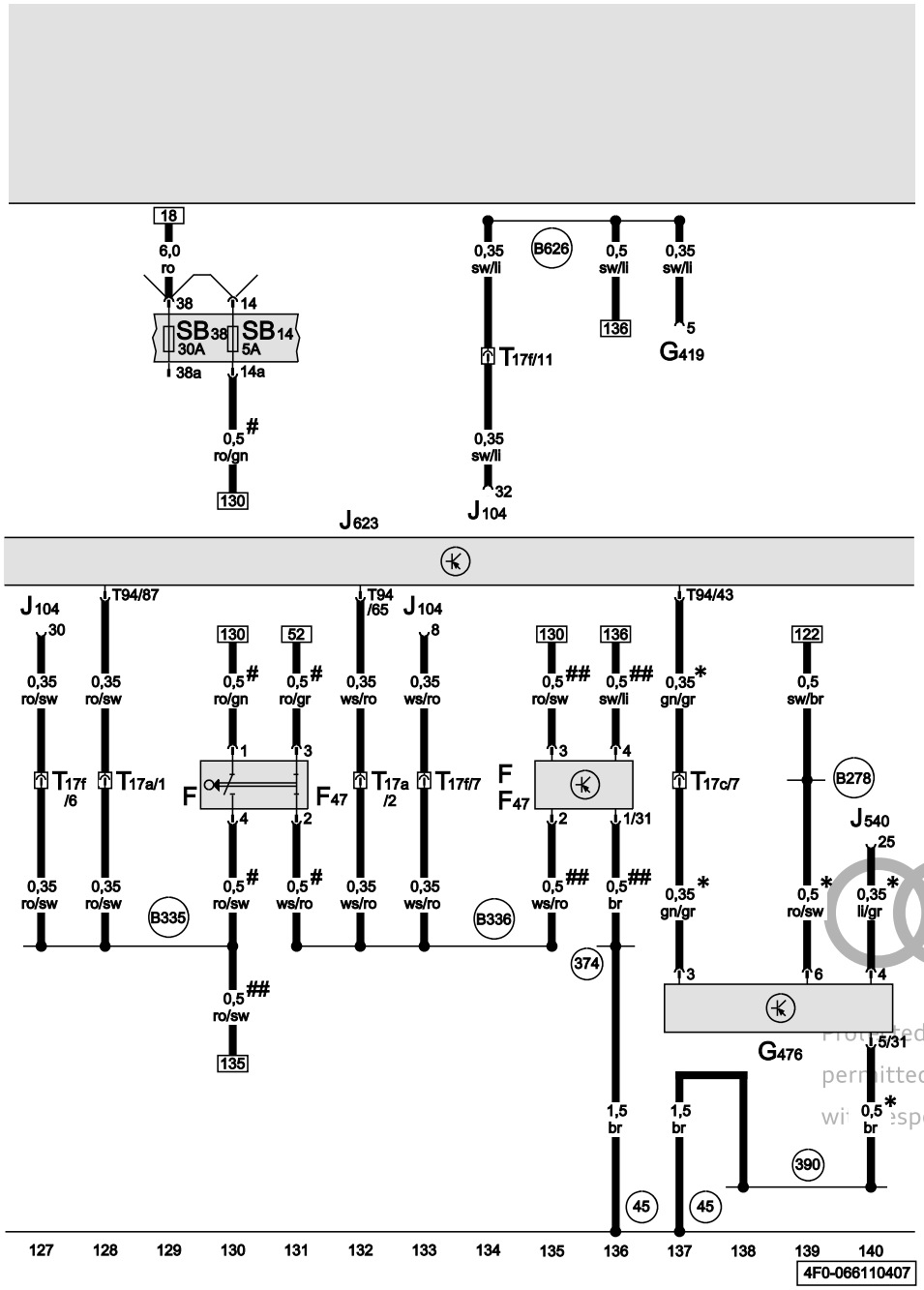


Engine control unit, fuel pressure regulating valve, fuel metering valve

F4	Reversing light switch
G70	Air mass meter
J217	Automatic gearbox control unit
J519	Onboard supply control unit
J623	Engine control unit
N110	Selector lever lock solenoid
N276	Fuel pressure regulating valve
N290	Fuel metering valve
SA3	Fuse 3 on fuse holder A
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T4i	4-pin connector, black, in centre console on selector lever console
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T32c	32-pin connector, white, connector C, on onboard supply control unit
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
B277	Positive connection 1 (15a), in main wiring harness
B520	Connection (RL), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
F26	Connection 2, in diesel direct injection system wiring harness
*	models with manual gearbox
**	models with automatic gearbox 09L
♦	only 2.7 l diesel engine

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or	=	orange
rs	=	pink

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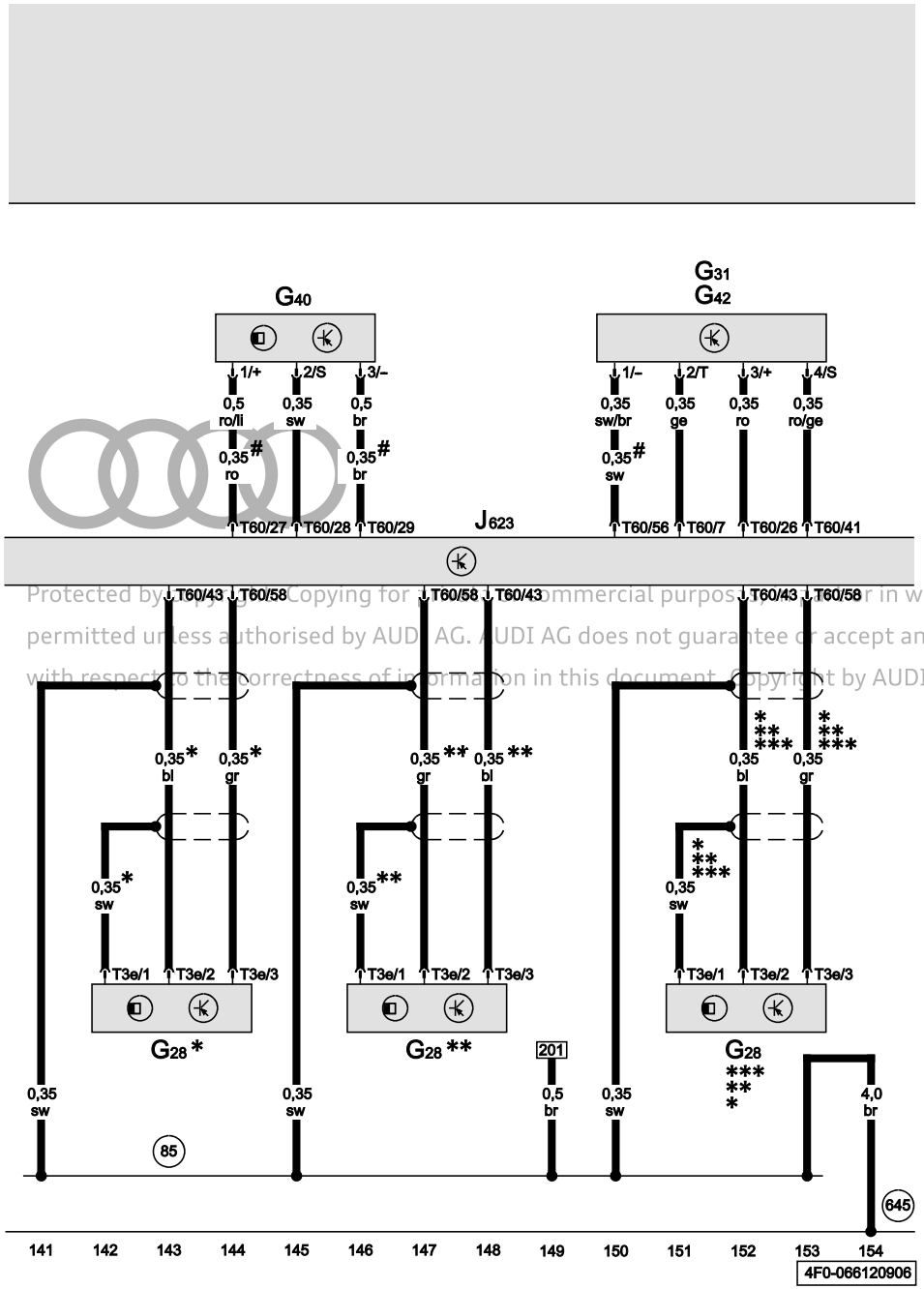


Engine control unit, brake light switch, brake pedal switch, cutch position sender

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
G476	Clutch position sender
J104	ABS control unit
J540	Electric park and handbrake control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T94	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
*	models with manual gearbox
#	up to May 2007
##	from June 2007

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

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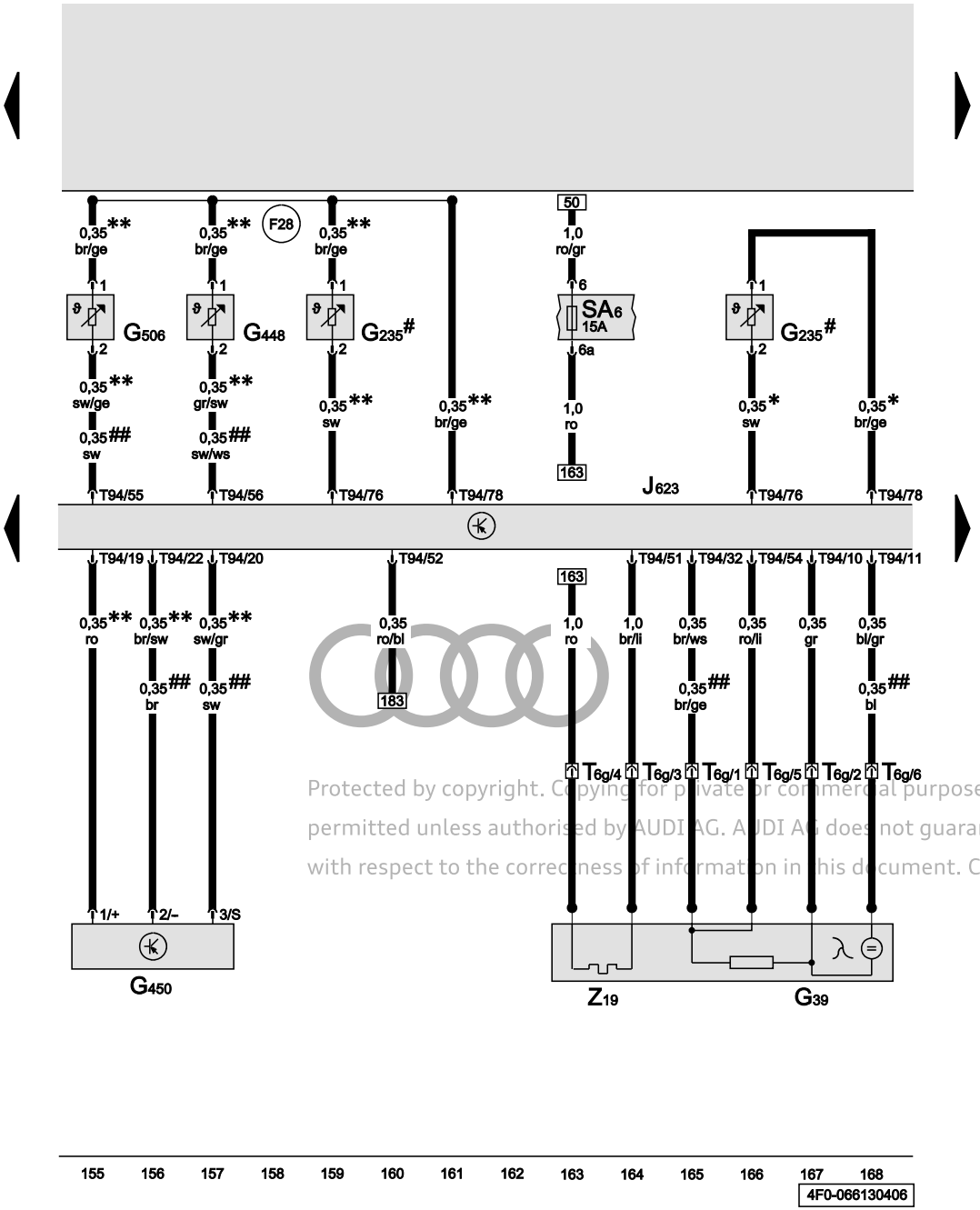


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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender

G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
J623	Engine control unit
T3e	3-pin connector, grey, on engine speed sender
T60	60-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
645	Earth point 1, on bulkhead
*	models with manual gearbox
**	models with automatic gearbox 09L
***	phased from March 2006, when replacing the gearbox, observe the version of the drive plate
#	only 2.7 l diesel engine



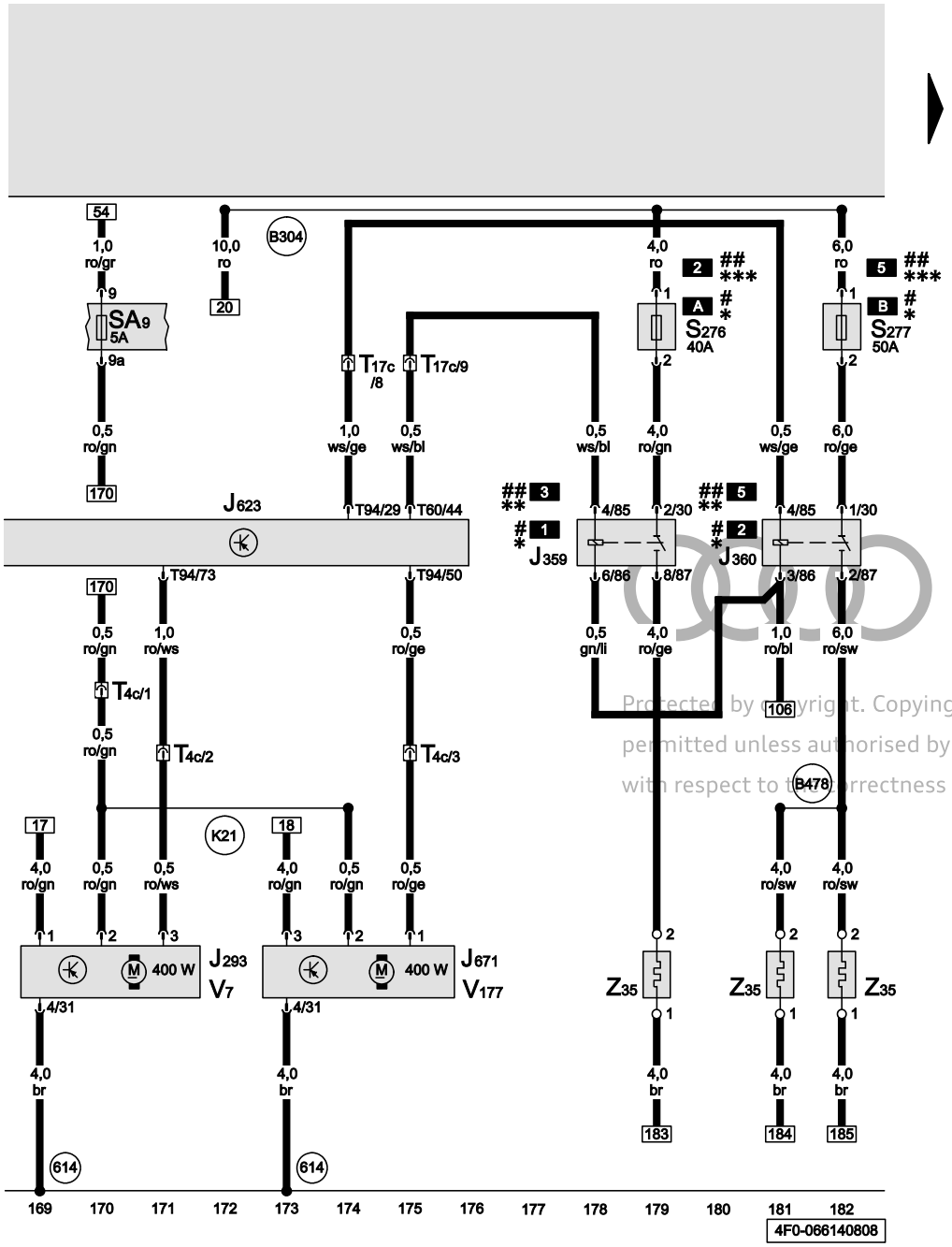
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Engine control unit, exhaust gas temperature sender 1, lambda probe, exhaust gas pressure sensor 1, temperature sender before particulate filter

G39	Lambda probe
G235	Exhaust gas temperature sender 1
G448	Bank 1 exhaust gas temperature sender 2
G450	Exhaust gas pressure sensor 1
G506	Temperature sender before particulate filter
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6g	6-pin connector, brown, for lambda probe
T94	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
F28	Connection 3, in diesel direct injection system wiring harness
*	models with particulate filter
**	models with particulate filter
#	only 3,0 l diesel engine
##	only 2.7 l diesel engine

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

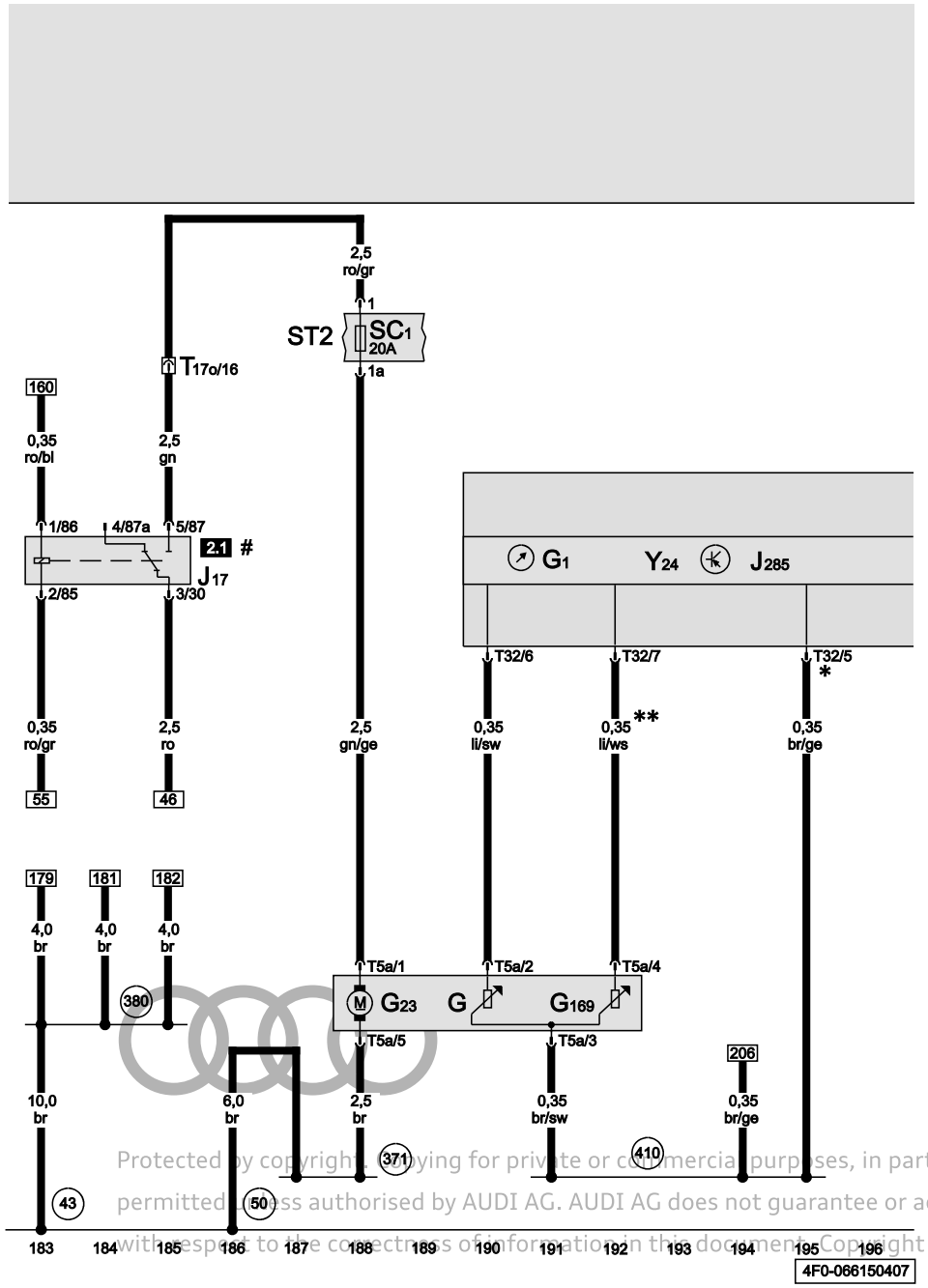
Engine control unit, low heat output relay, high heat output relay, radiator fan, auxiliary heating heater element, fuses



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

J293	Radiator fan control unit
J359	Low heat output relay
J360	High heat output relay
J623	Engine control unit
J671	Radiator fan control unit 2
S276	Heater element fuse 1
S277	Heater element fuse 2
SA9	Fuse 9 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
Z35	Auxiliary heating heater element
614	Earth point 2, on right in engine compartment
B304	Positive connection 8 (30), in main wiring harness
B478	Connection 14 in main wiring harness
K21	Connection 1, in radiator fan wiring harness
*	relay carrier on steering cross member
**	9-point relay carrier, behind driver storage compartment
***	fuses on bottom onboard supply control unit
#	up to May 2007
##	from June 2007

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Fuel pump relay, control unit in dash panel insert, fuel pump, fuel gauge sender, fuel gauge, fuel gauge sender 2

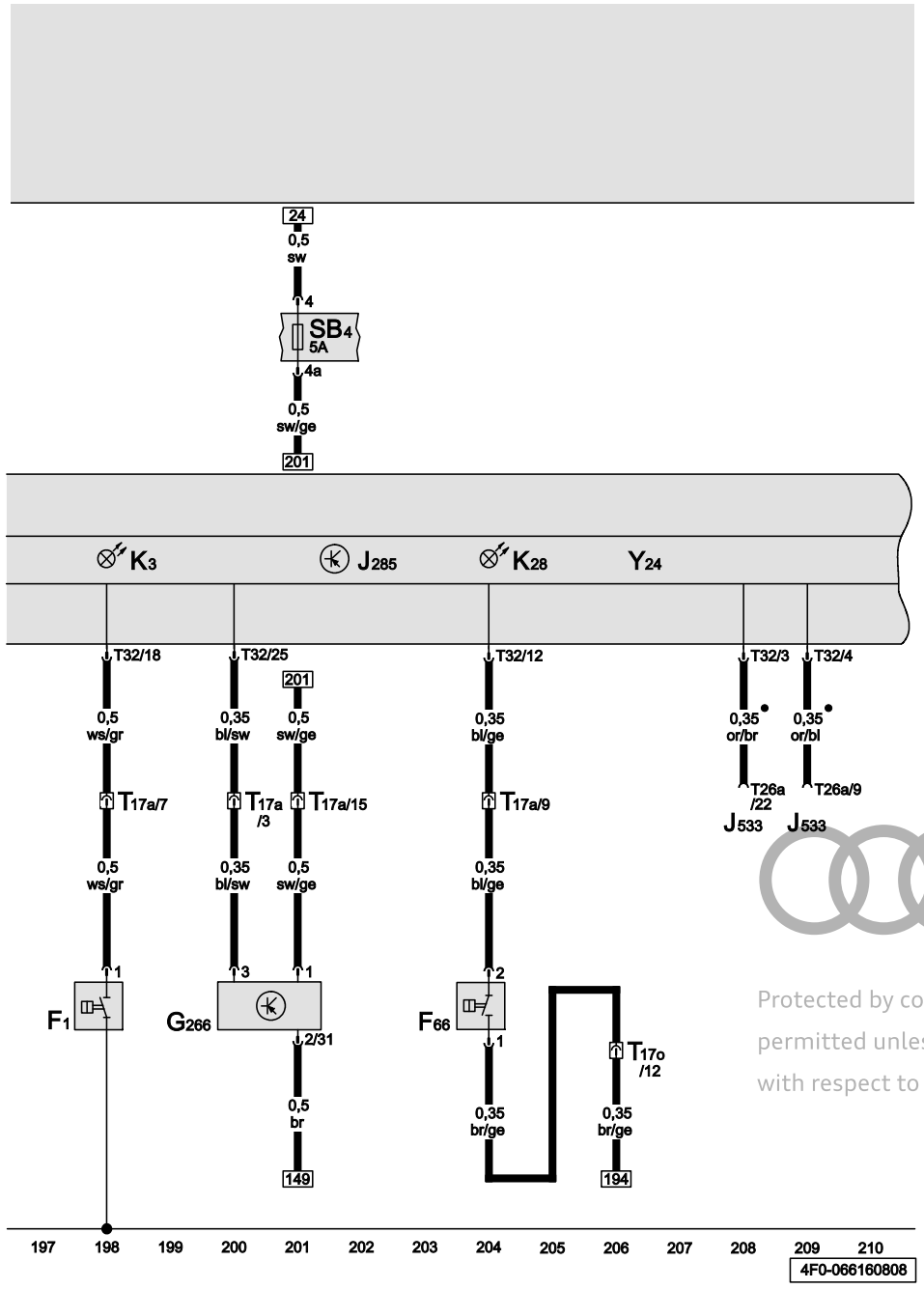
G	Fuel gauge sender
G1	Fuel gauge
G23	Fuel pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
43	Earth point, lower part of right A-pillar
50	Earth point, on left in luggage compartment
371	Earth connection 6, in main wiring harness
380	Earth connection 15, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth
**	only four-wheel drive
#	Relay carrier electronics box left in plenum chamber

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

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Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil pressure switch, oil level and oil temperature sender

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
•	CAN bus (data wire)



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

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Audi A6 4.2 l - Fuel injection engine (246 kW - Motronic - 8 cylinder), engine code BAT, BNK

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

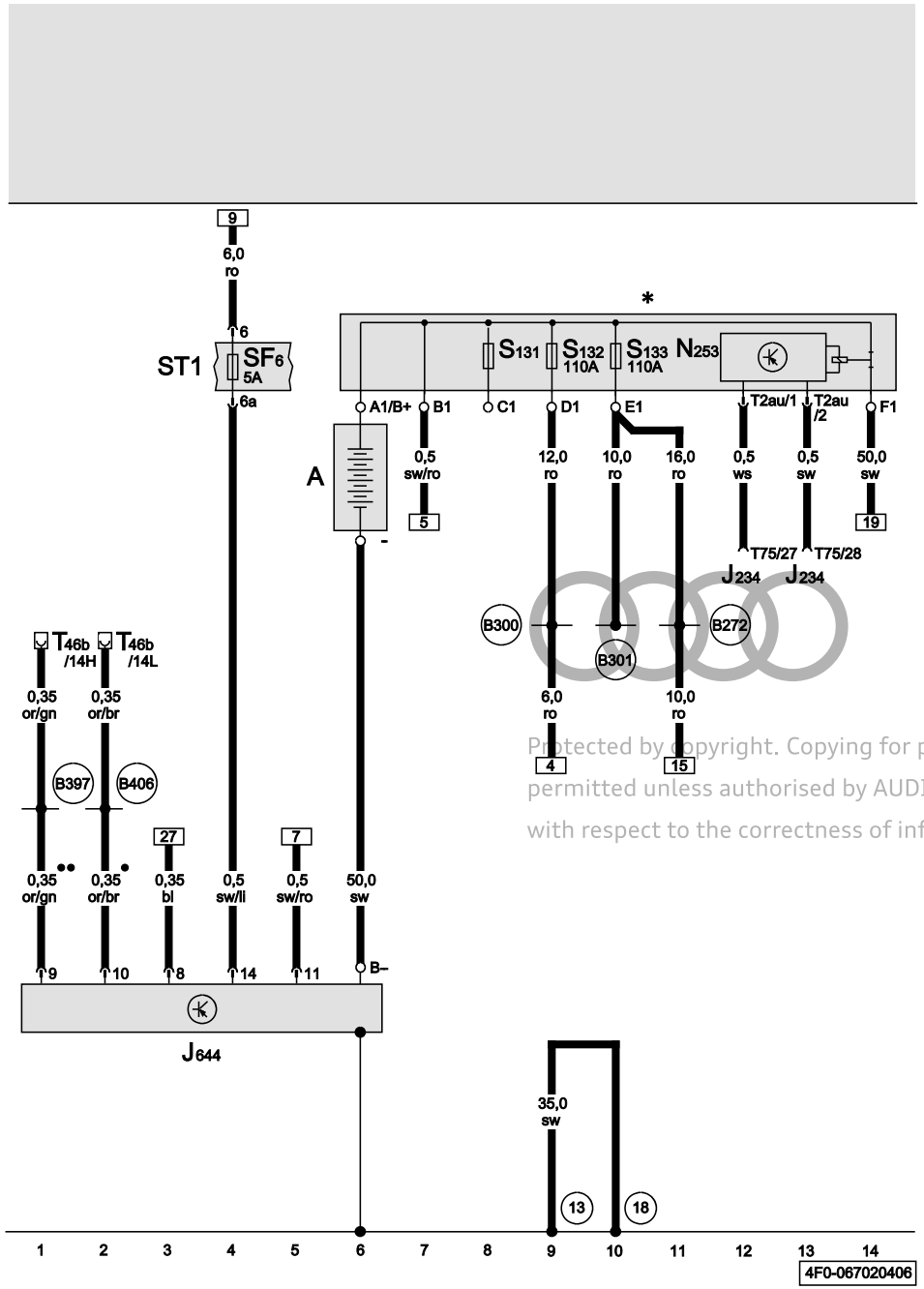
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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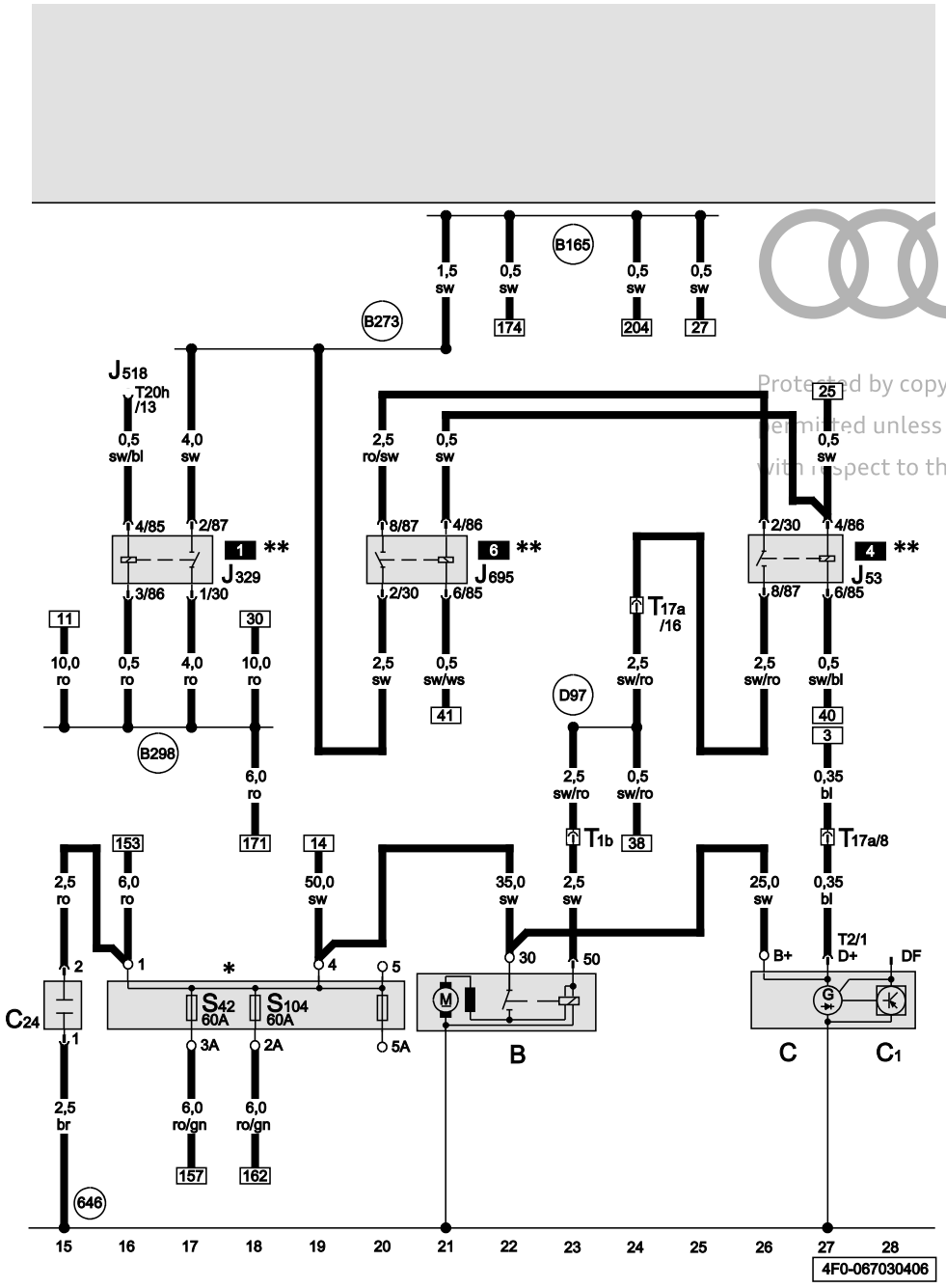
Battery, energy management control unit, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
T2au	2-pin connector, purple, on battery isolation igniter
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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gn = green
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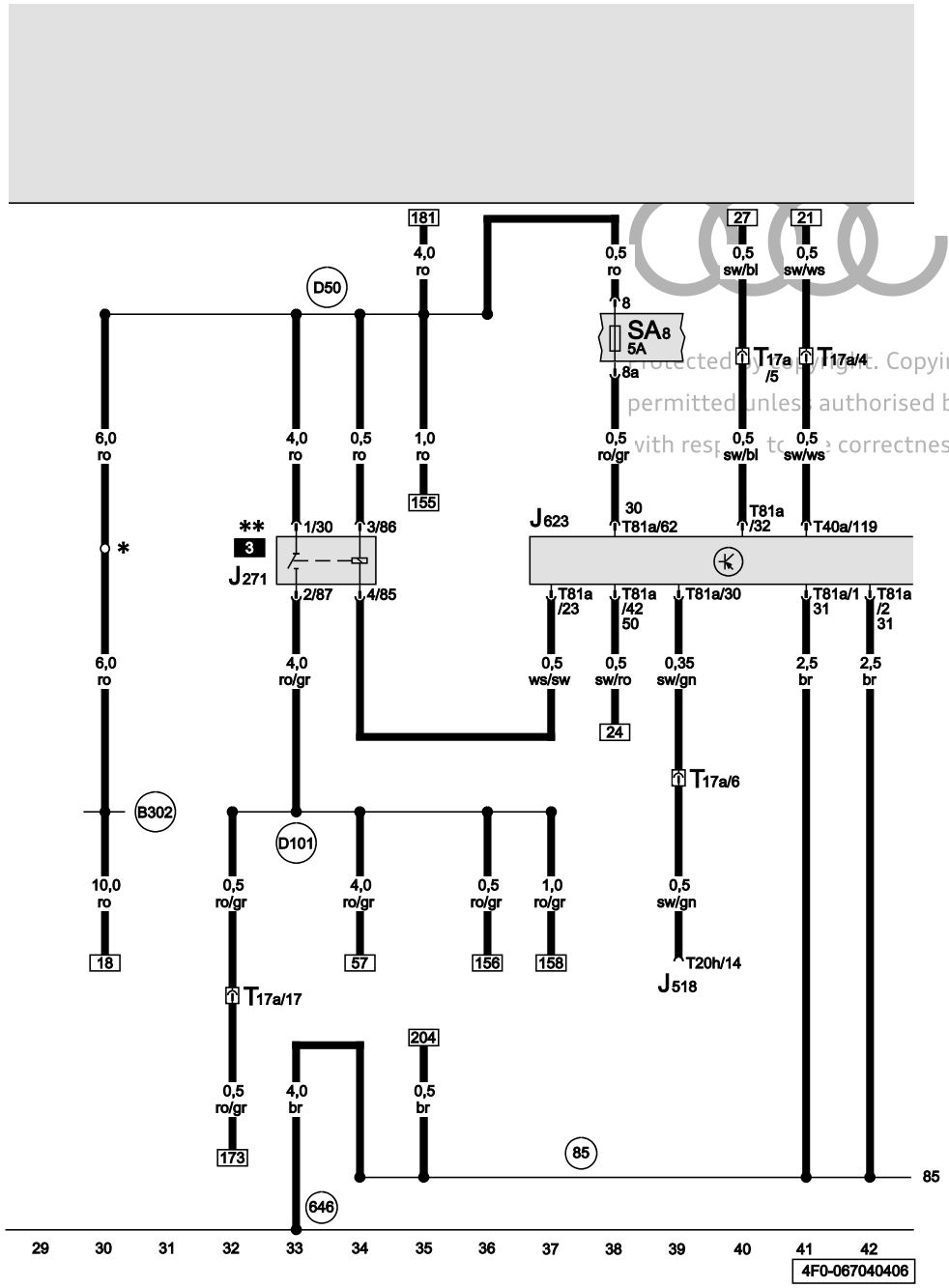
Starter, alternator, terminal 15 voltage supply relay, starter motor relay



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B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	9-point relay carrier, behind driver storage compartment

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



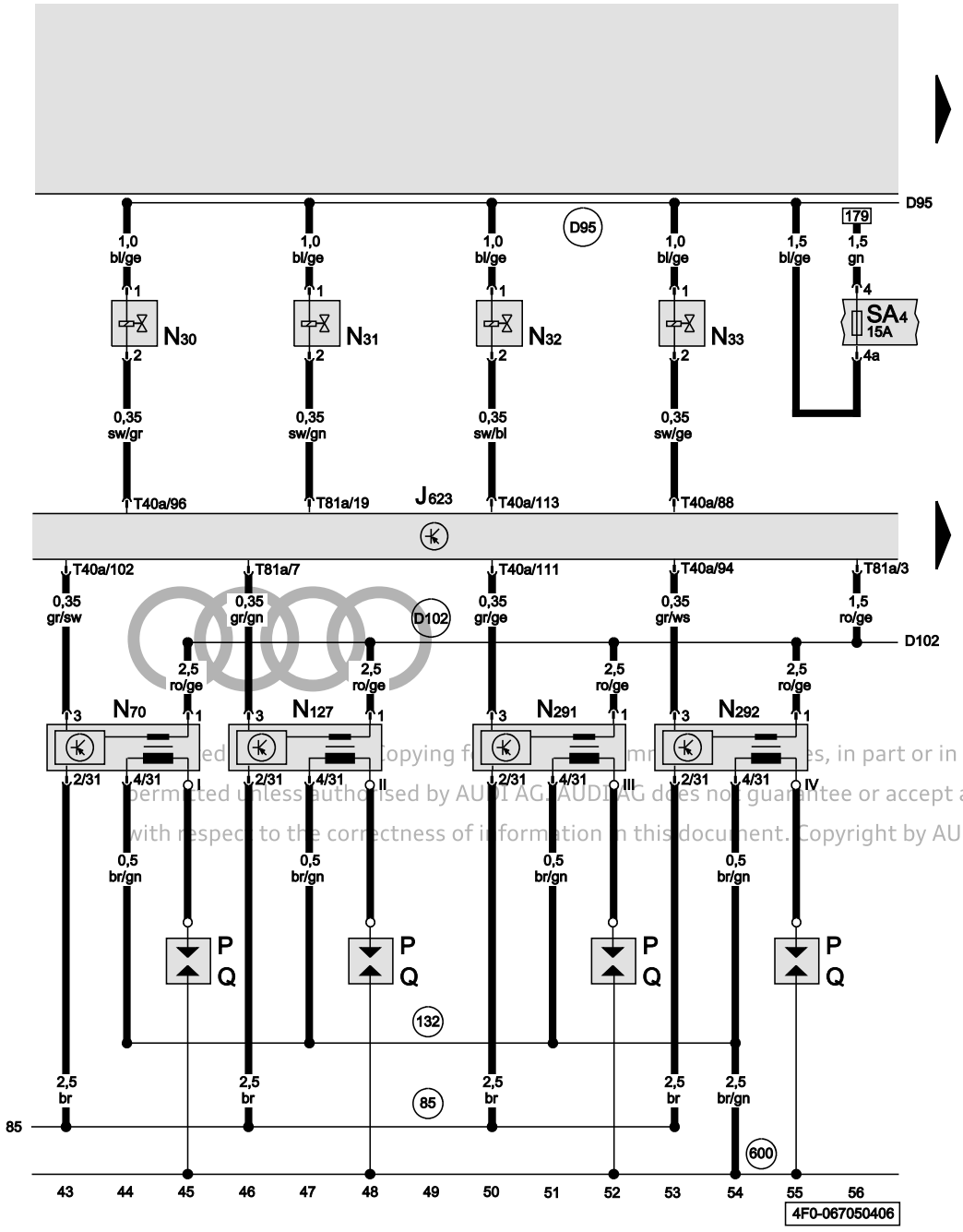
Engine control unit, Motronic current supply relay

J271	Motronic current supply relay
J518	Entry and start authorisation control unit
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber

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

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Engine control unit, injector, cylinder 1 - 4, ignition coil 1 - 4 with output stage

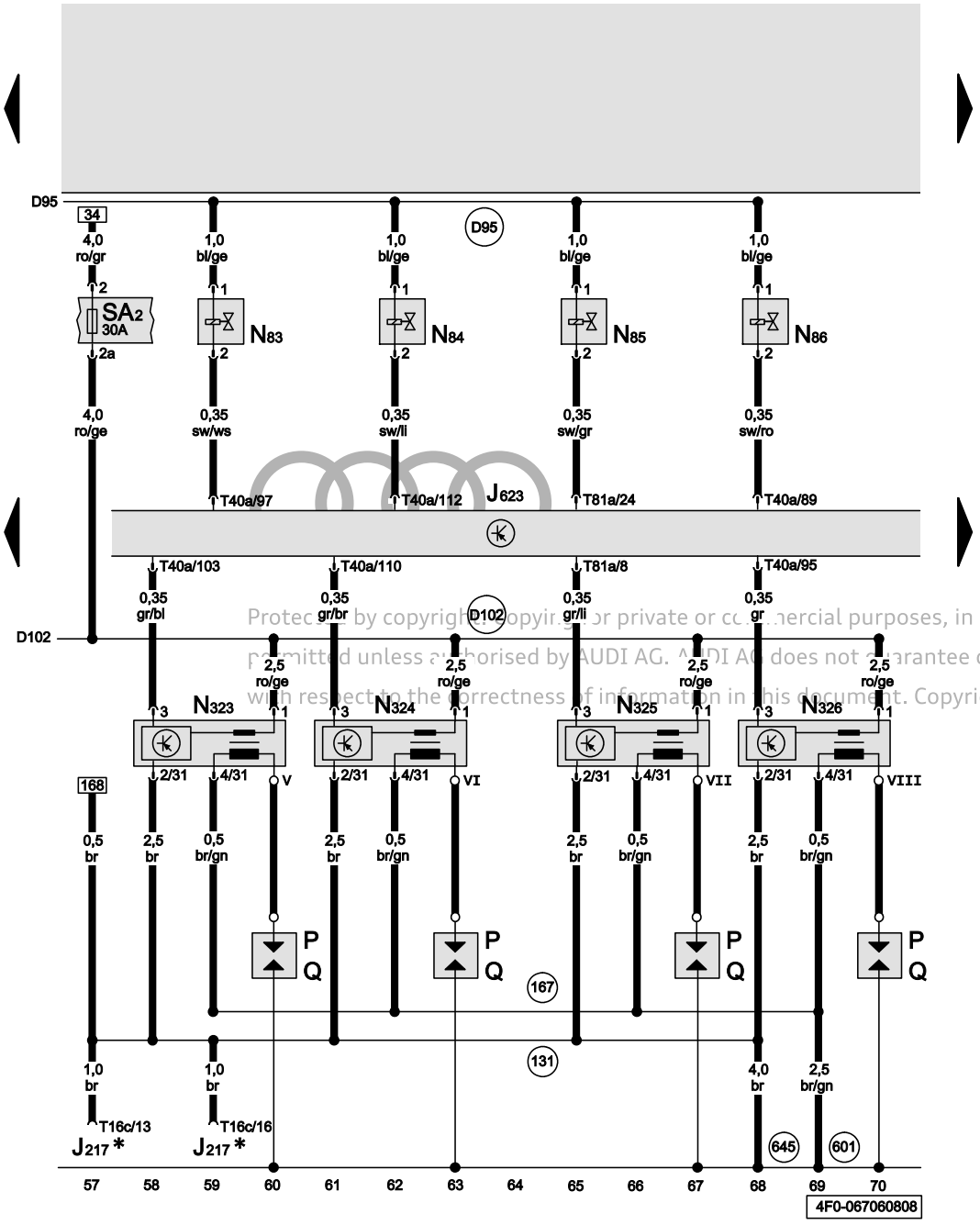


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J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
P	Spark plug connector
Q	Spark plugs
SA4	Fuse 4 on fuse holder A
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
600	Earth point, on right of cylinder head
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness

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

Engine control unit, injector, cylinder 5 - 8, ignition coil 5 - 8 with output stage

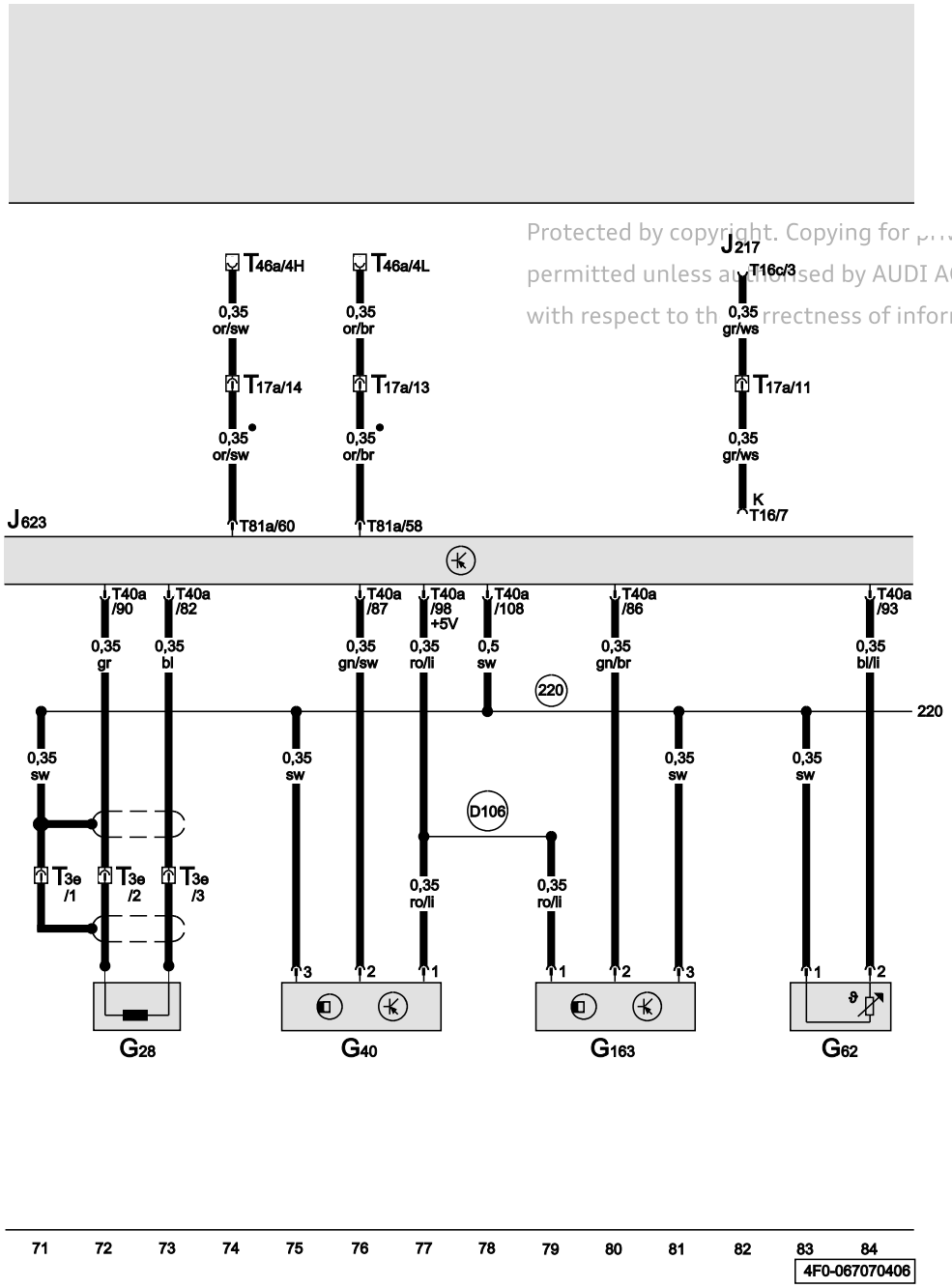


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J217	Automatic gearbox control unit
J623	Engine control unit
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N85	Injector, cylinder 7
N86	Injector, cylinder 8
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
N325	Ignition coil 7 with output stage
N326	Ignition coil 8 with output stage
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T16c	16-pin connector, black, on automatic gearbox control unit
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
167	Earth connection 4, in engine compartment wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
D95	Connection (injectors), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	models with automatic gearbox 09L

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

Engine control unit, engine speed sender, Hall sender, Hall sender 2, coolant temperature sender

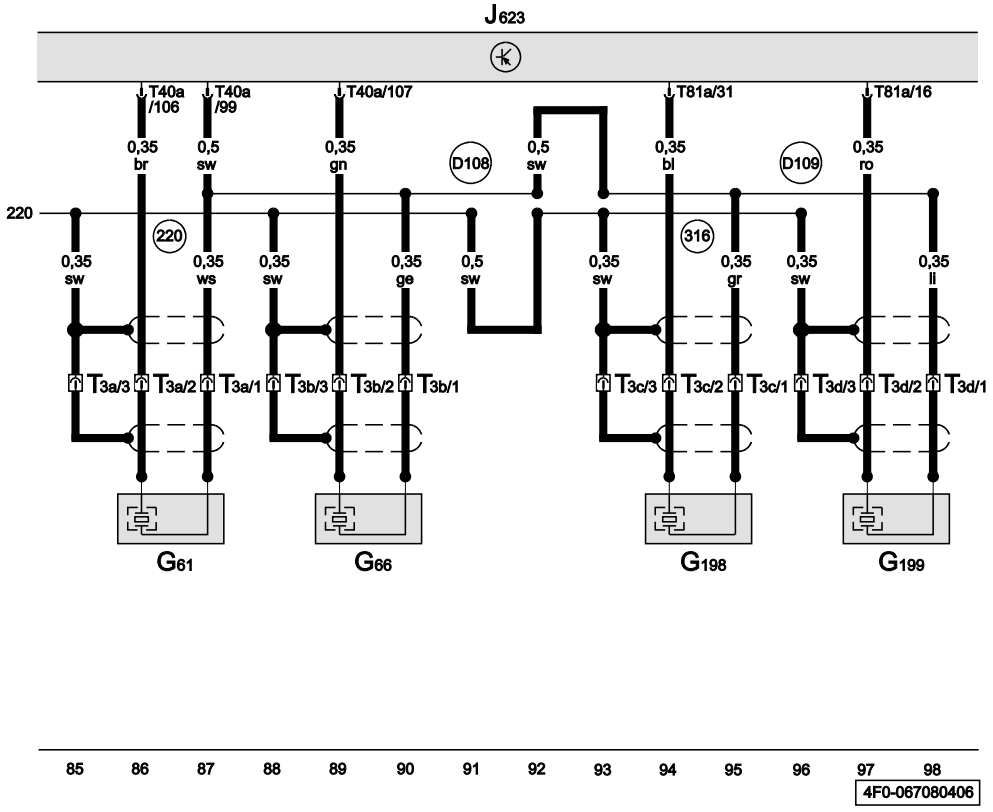


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G28	Engine speed sender
G40	Hall sender
G62	Coolant temperature sender
G163	Hall sender 2
J217	Automatic gearbox control unit
J623	Engine control unit
T3e	3-pin connector, grey, on engine speed sender
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T40a	40-pin connector, black, connector B, on engine control unit
T46a	46-pin connector, CAN separating connector left
T81a	81-pin connector, black, connector A, on engine control unit
220	Earth connection (sender earth), in engine wiring harness
D106	Connection 4, in engine compartment wiring harness
•	CAN bus (data wire)

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
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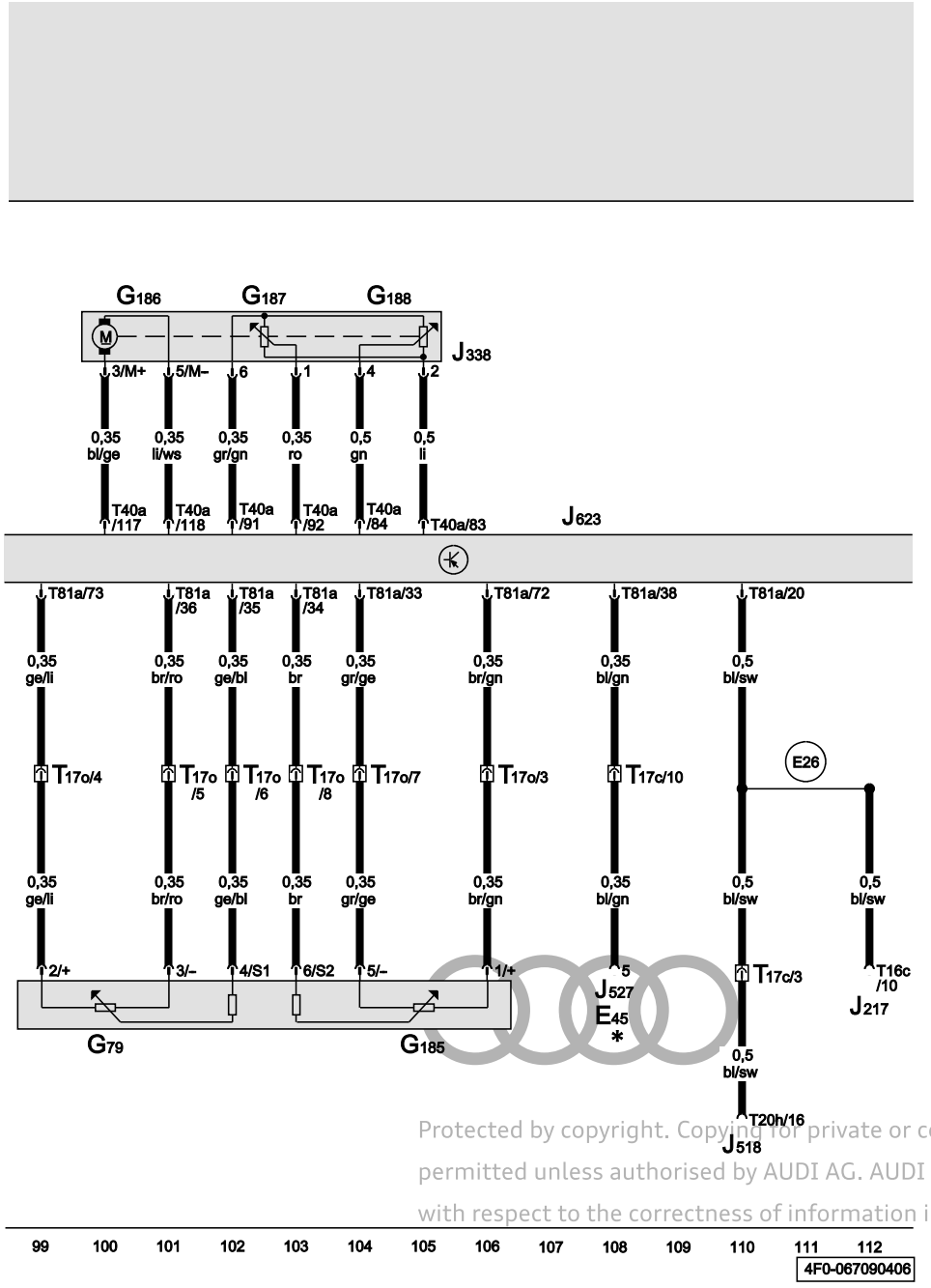
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Engine control unit, knock sensors 1 - 4

G61	Knock sensor 1
G66	Knock sensor 2
G198	Knock sensor 3
G199	Knock sensor 4
J623	Engine control unit
T3a	3-pin connector, blue, on knock sensor 1
T3b	3-pin connector, black, on knock sensor 2
T3c	3-pin connector, black, on knock sensor 3
T3d	3-pin connector, blue, on knock sensor 4
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
220	Earth connection (sender earth), in engine wiring harness
316	Earth connection (sender earth 2), in engine wiring harness
D108	Connection 6, in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness

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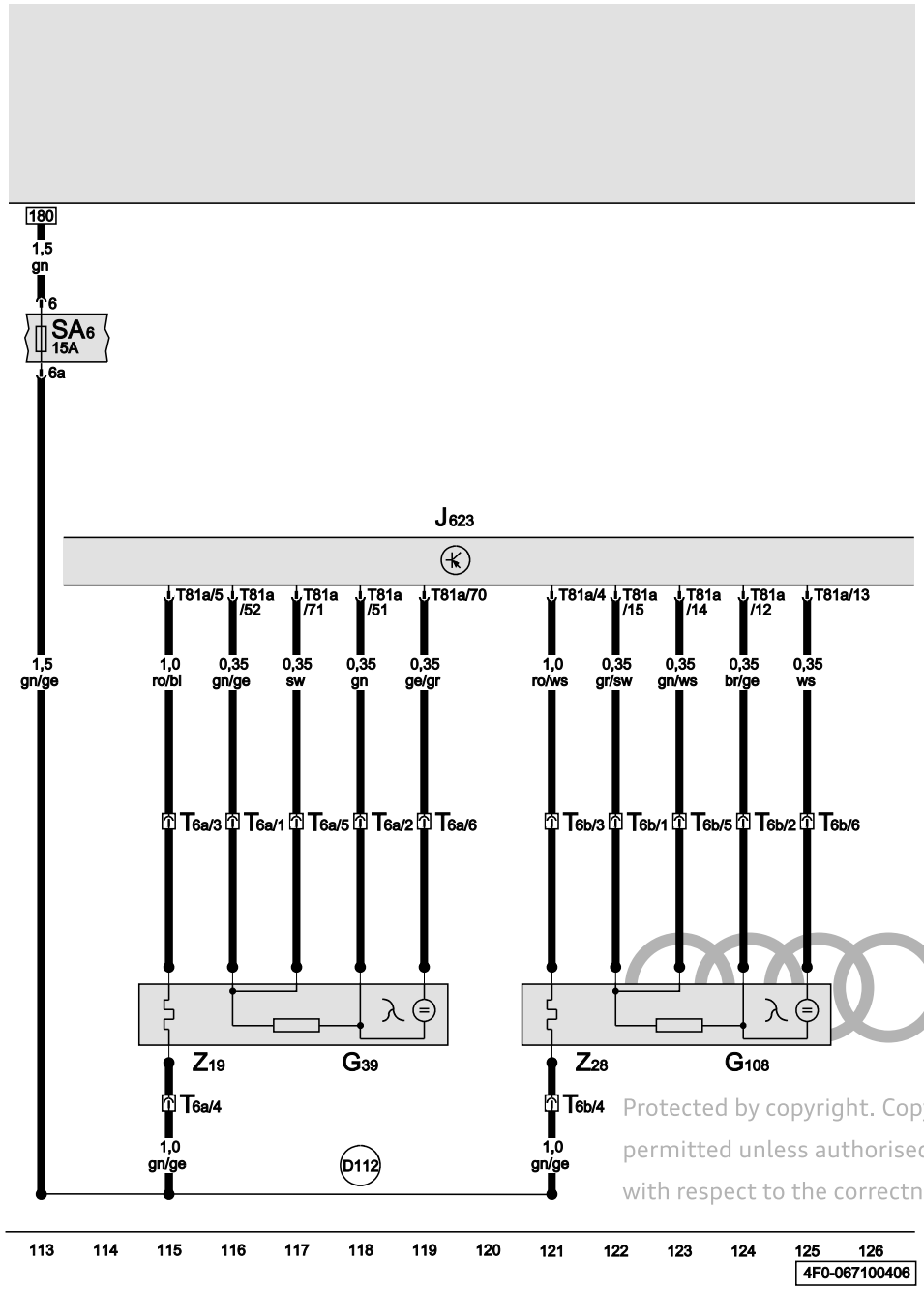


Engine control unit, accelerator position sender, throttle valve module

E45	Cruise control system switch
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J217	Automatic gearbox control unit
J338	Throttle valve module
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
E26	Connection selector lever lock, in Motronic wiring harness
*	models with cruise control system

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
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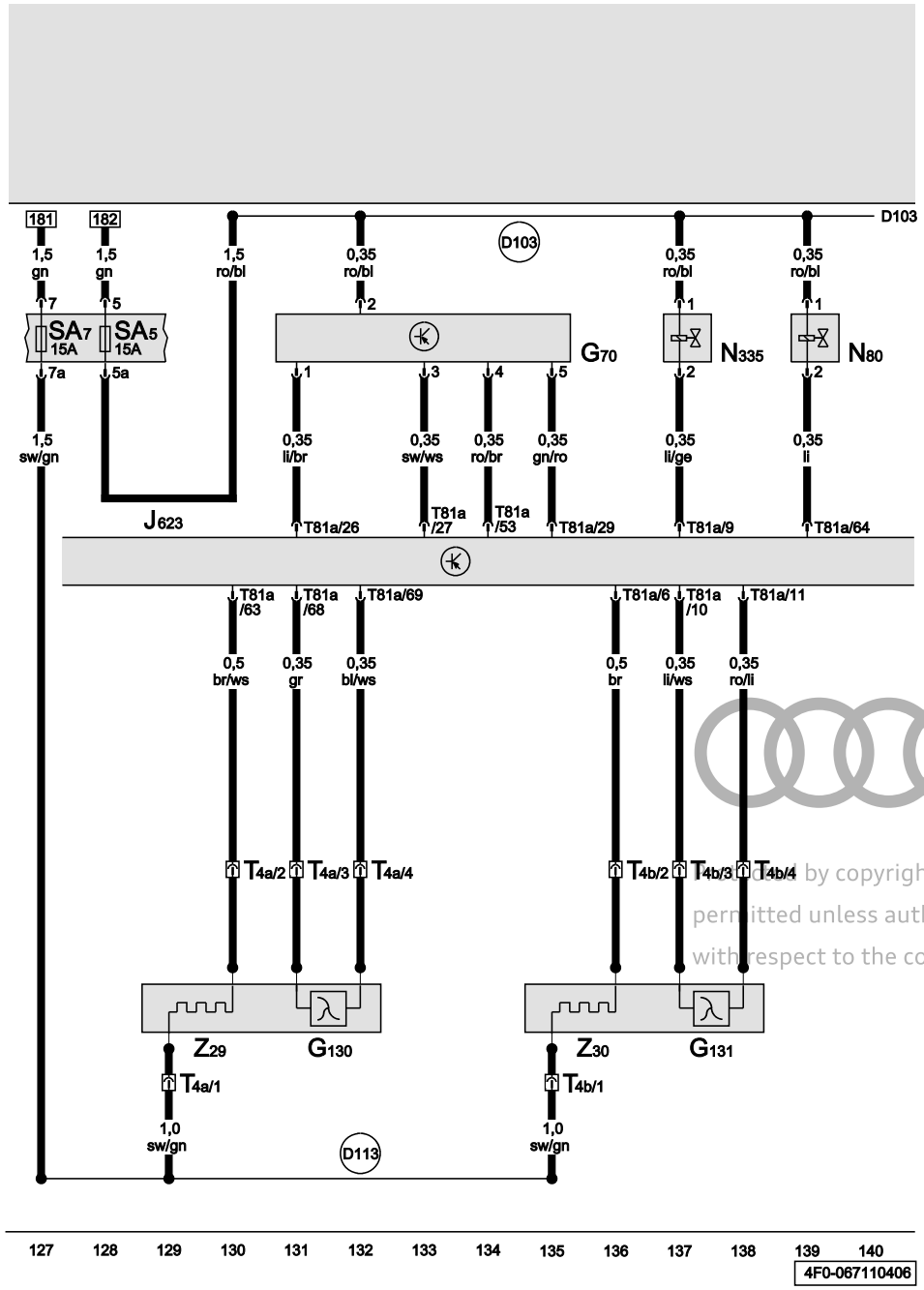
Engine control unit, lambda probe, lambda probe 2

G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, for lambda probe
T6b	6-pin connector, black, for lambda probe 2
T81a	81-pin connector, black, connector A, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D112	Connection 10, in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
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gr	=	grey
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Engine control unit, air mass meter, active charcoal filter system solenoid valve 1, variable intake manifold change-over valve, lambda probe after catalytic converter



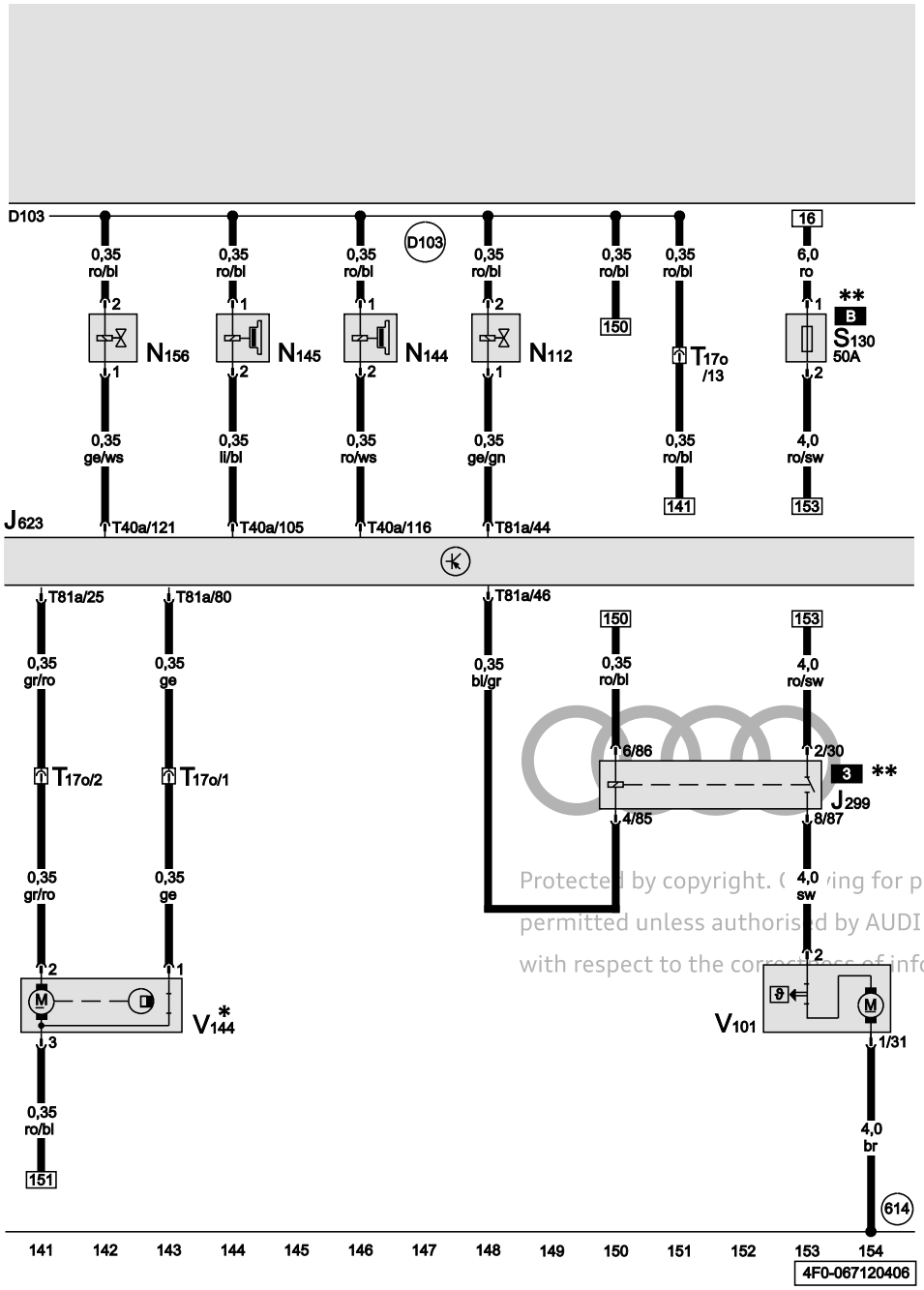
G70 Air mass meter
G130 Lambda probe after catalytic converter
G131 Lambda probe 2 after catalytic converter
J623 Engine control unit
N80 Activated charcoal filter system solenoid valve 1
N335 Variable intake manifold change-over valve
SA5 Fuse 5 on fuse holder A
SA7 Fuse 7 on fuse holder A
T4a 4-pin connector, black, for lambda probe 1 after catalytic converter
T4b 4-pin connector, brown, for lambda probe 2 after catalytic converter
T81a 81-pin connector, black, connector A, on engine control unit
Z29 Lambda probe 1 heater after catalytic converter
Z30 Lambda probe 2 heater after catalytic converter

D103 Connection 3, in engine compartment wiring harness

D113 Connection 11, in engine compartment wiring harness

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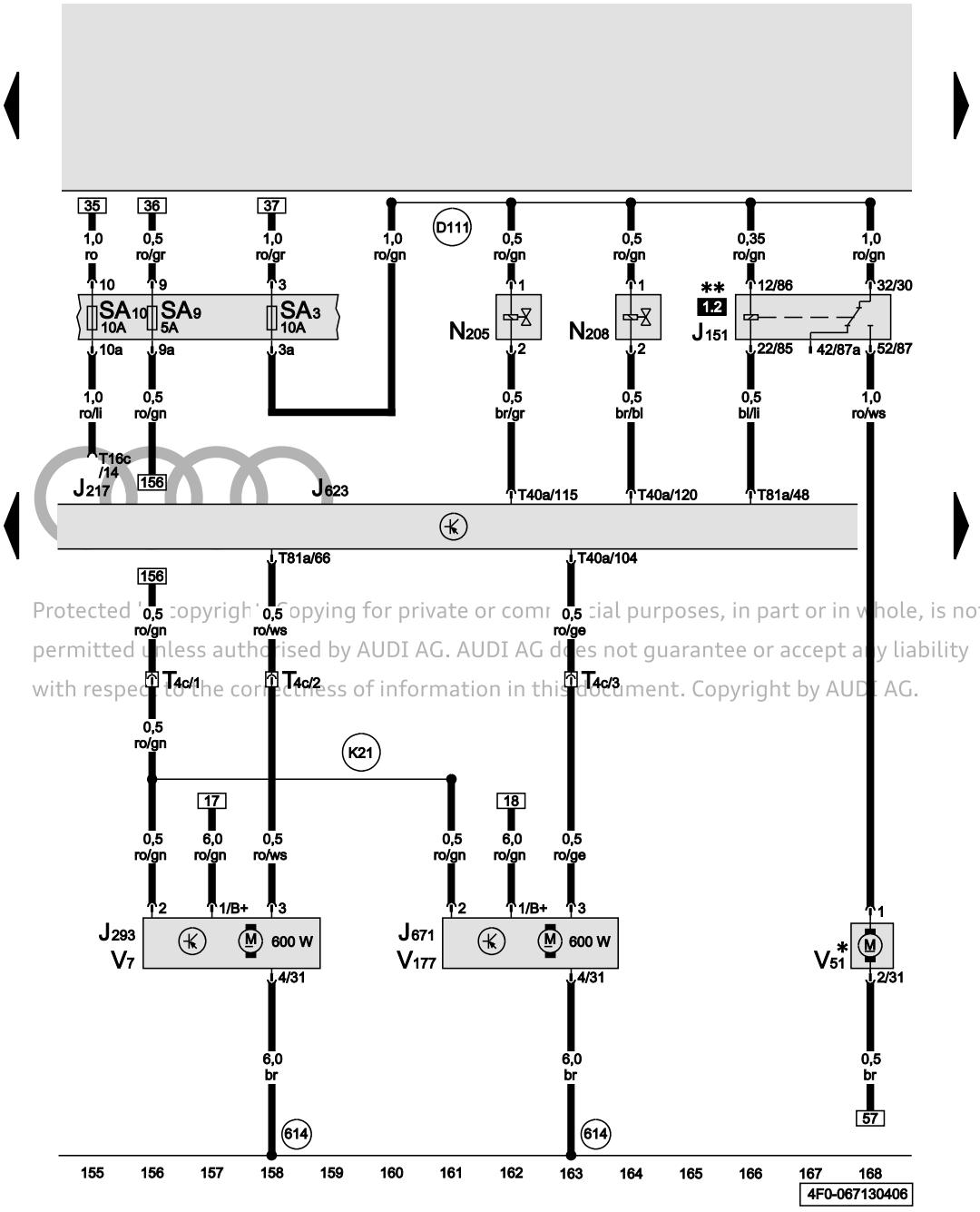


Engine control unit, secondary air pump relay, electrohydraulic engine mounting solenoid valves, variable intake manifold change-over valve, secondary air pump motor, fuel system diagnostic pump

J299	Secondary air pump relay
J623	Engine control unit
N112	Secondary air inlet valve
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N156	Variable intake manifold change-over valve
S130	Secondary air pump fuse
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
V101	Secondary air pump motor
V144	Fuel system diagnostic pump
614	Earth point 2, on right in engine compartment
D103	Connection 3, in engine compartment wiring harness
*	models with fuel system diagnostic pump
**	Relay carrier electronics box on right in plenum chamber

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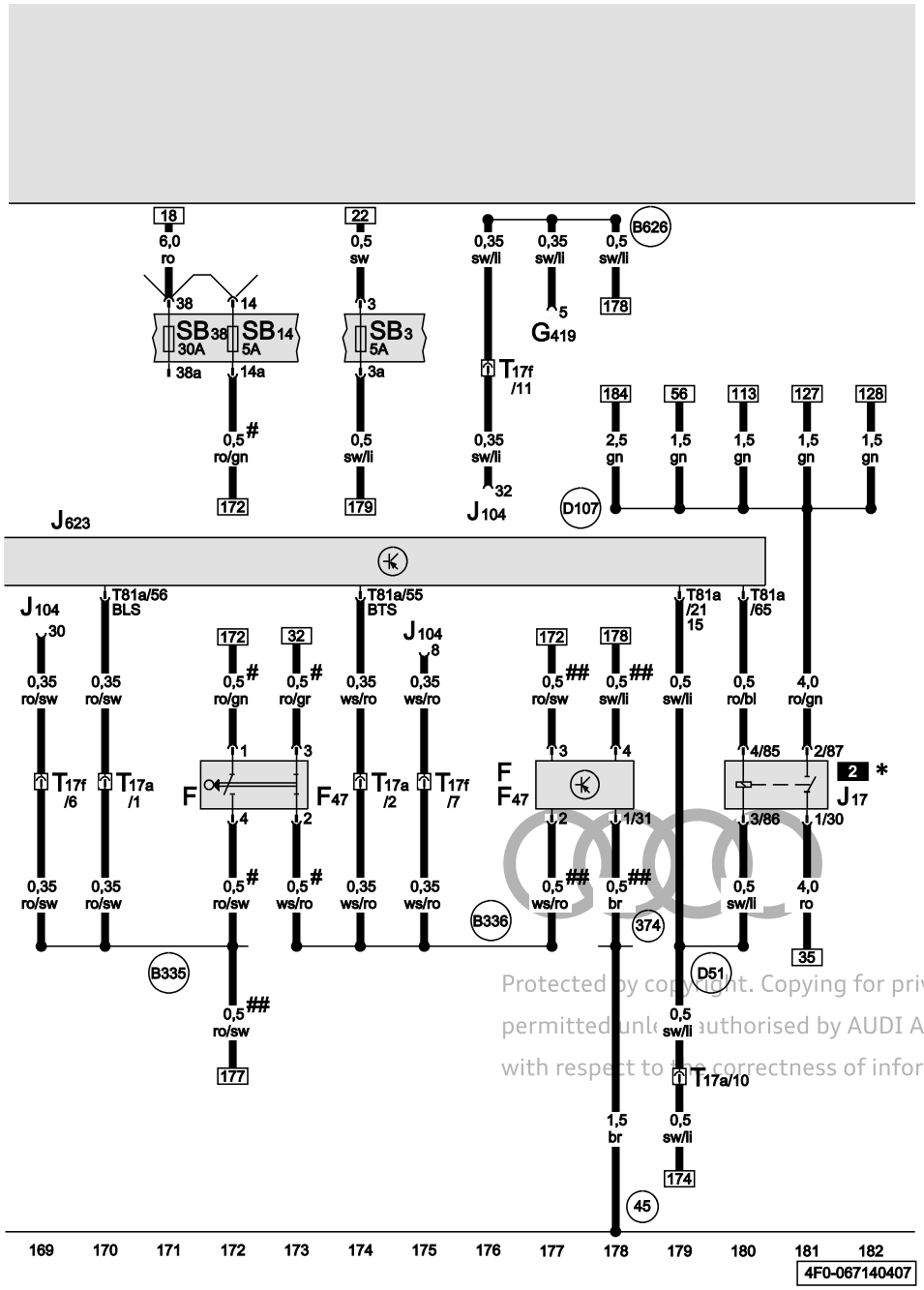


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Engine control unit, continued coolant circulation relay, inlet camshaft control valve, radiator fan, continued coolant circulation pump

J151	Continued coolant circulation relay
J217	Automatic gearbox control unit
J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
N205	Inlet camshaft control valve 1
N208	Inlet camshaft control valve 2
SA3	Fuse 3 on fuse holder A
SA9	Fuse 9 on fuse holder A
SA10	Fuse 10 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T16c	16-pin connector, black, on automatic gearbox control unit
T40a	40-pin connector, black, connector B, on engine control unit
T81a	81-pin connector, black, connector A, on engine control unit
V7	Radiator fan
V51	Continued coolant circulation pump
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
D111	Connection 9, in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	for super hot countries only
**	Relay carrier electronics box left in plenum chamber

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Engine control unit, brake light switchbrake light switch, fuel pump relay

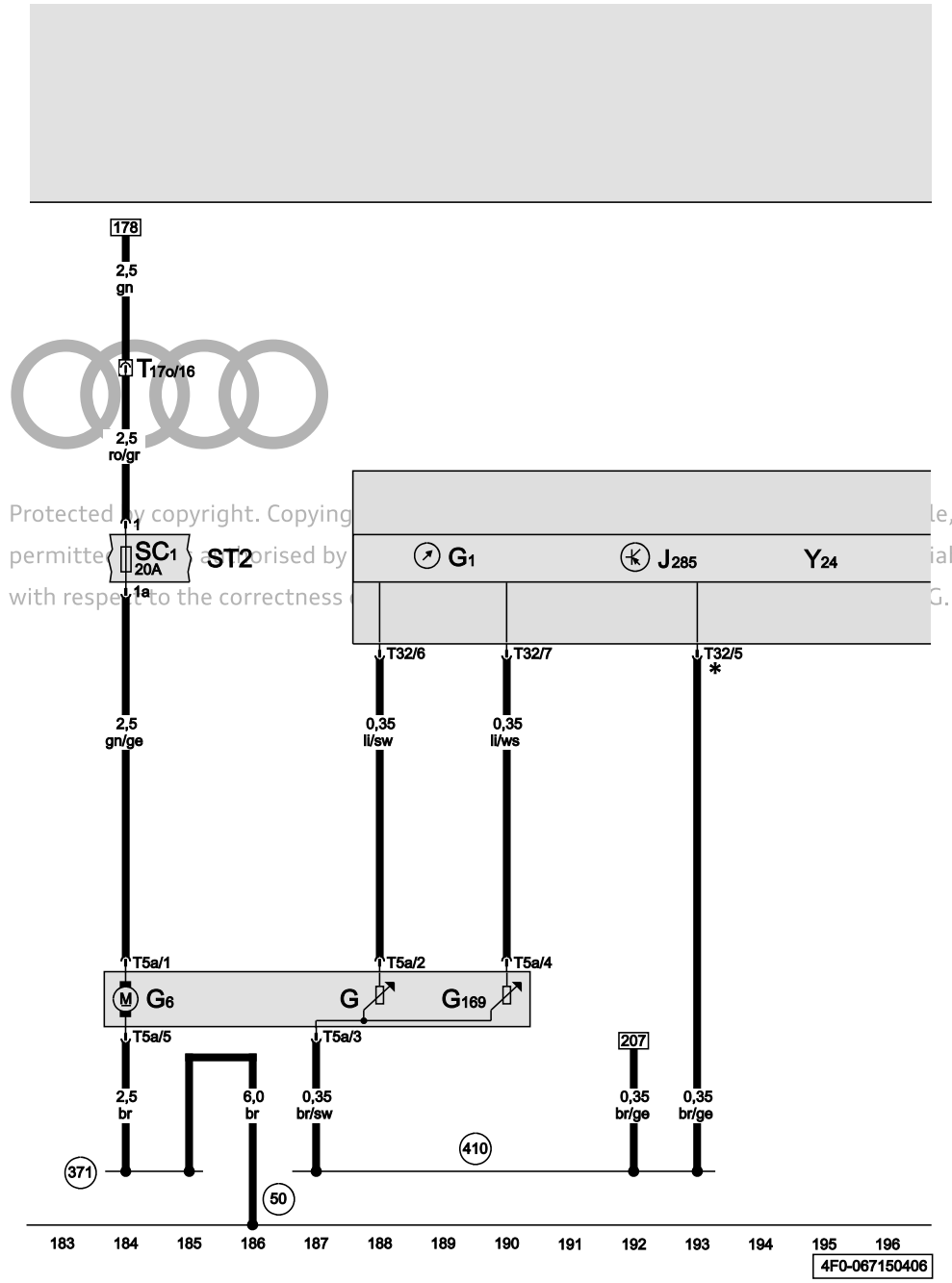
F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J17	Fuel pump relay
J104	ABS control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T81a	81-pin connector, black, connector A, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
#	up to May 2007
##	from June 2007

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Control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sende, fuel gauge sender 2

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
50	Earth point, on left in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth



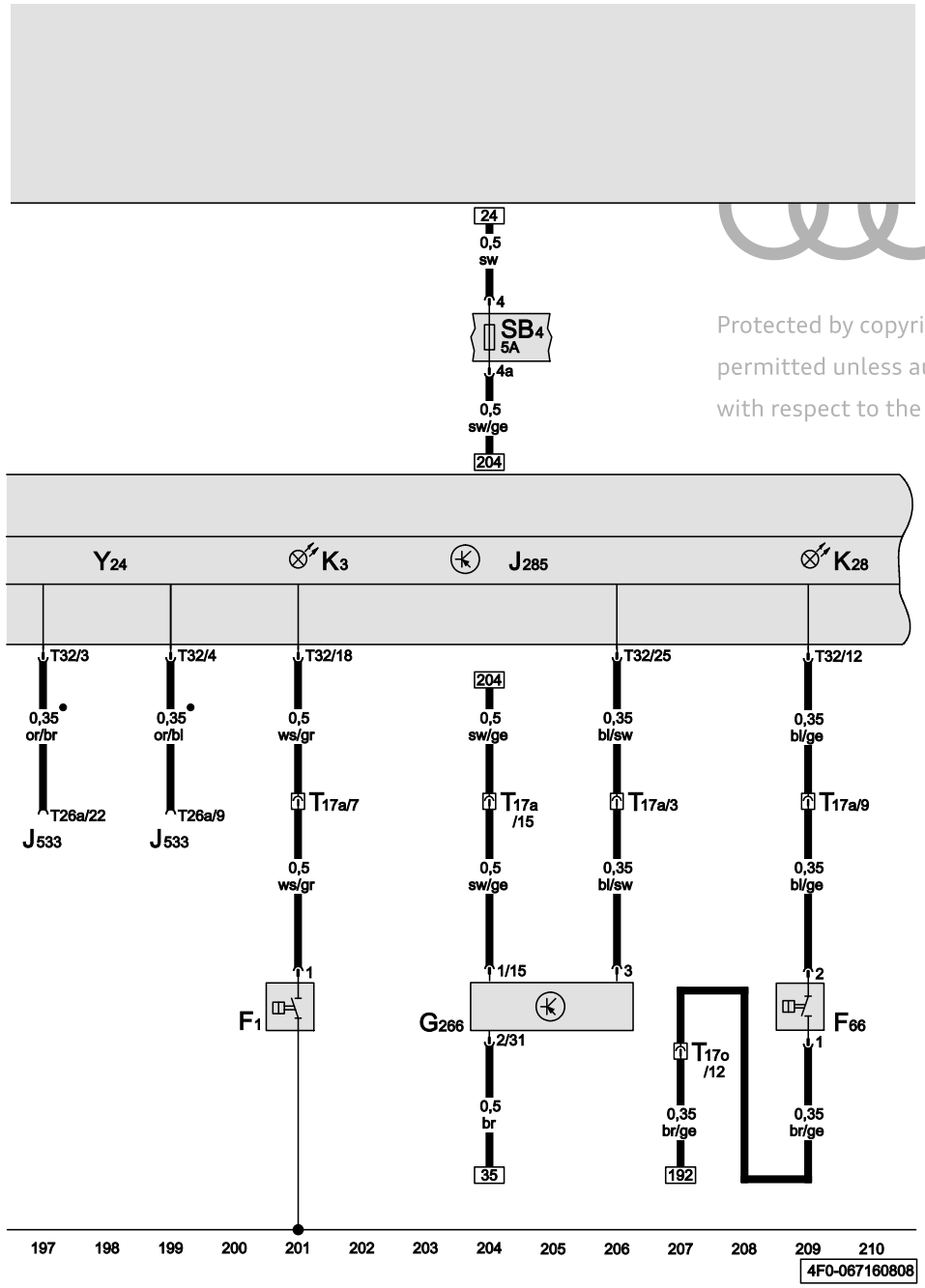
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Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil pressure switch, oil level and oil temperature sender

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
•	CAN bus (data wire)

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Audi A6 4.2 l Fuel injection engine (257 kW - FSI - 8-cylinder) engine code BVJ

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

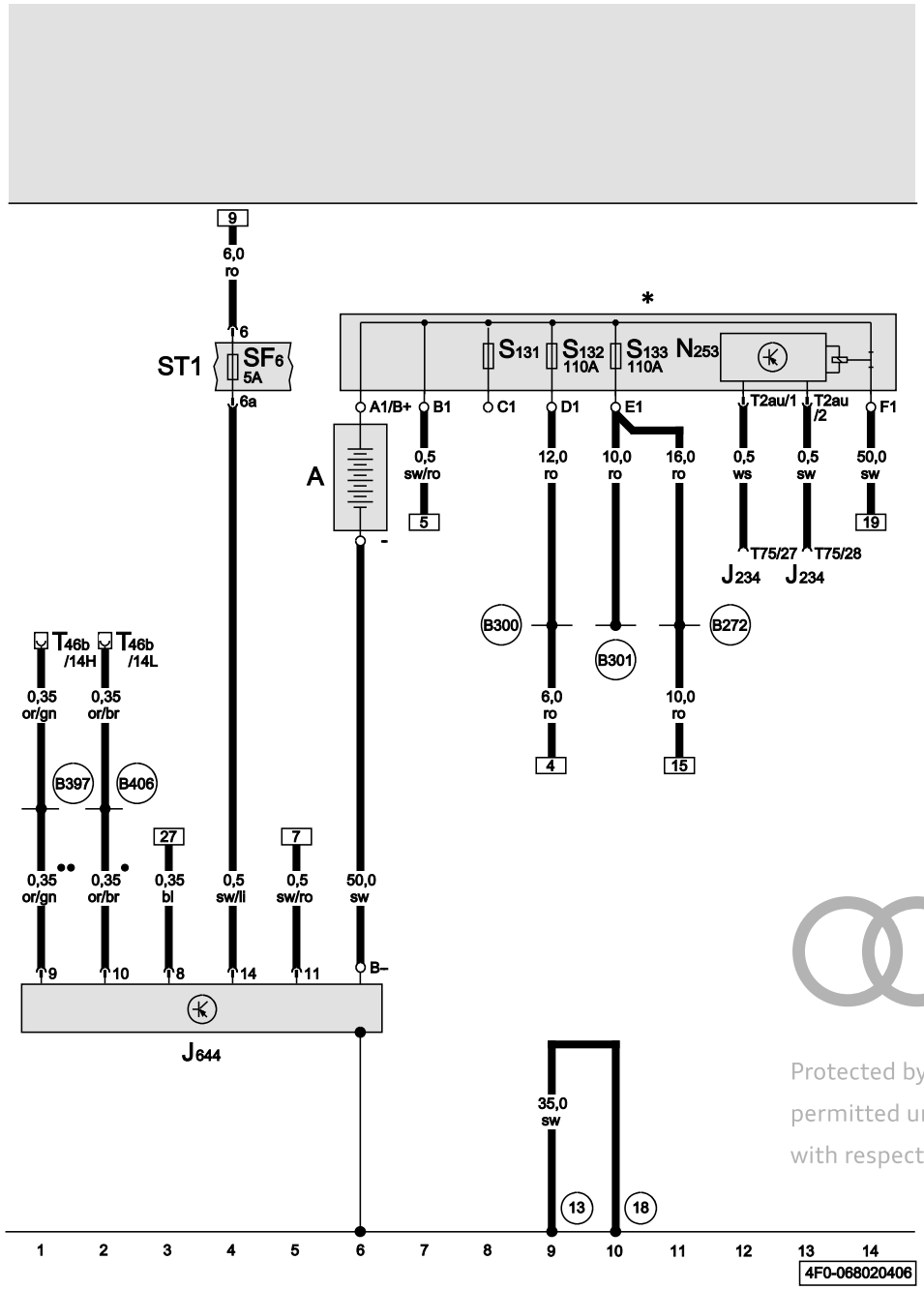
For information concerning

- Fault Finding Programs

⇒ guided fault finding



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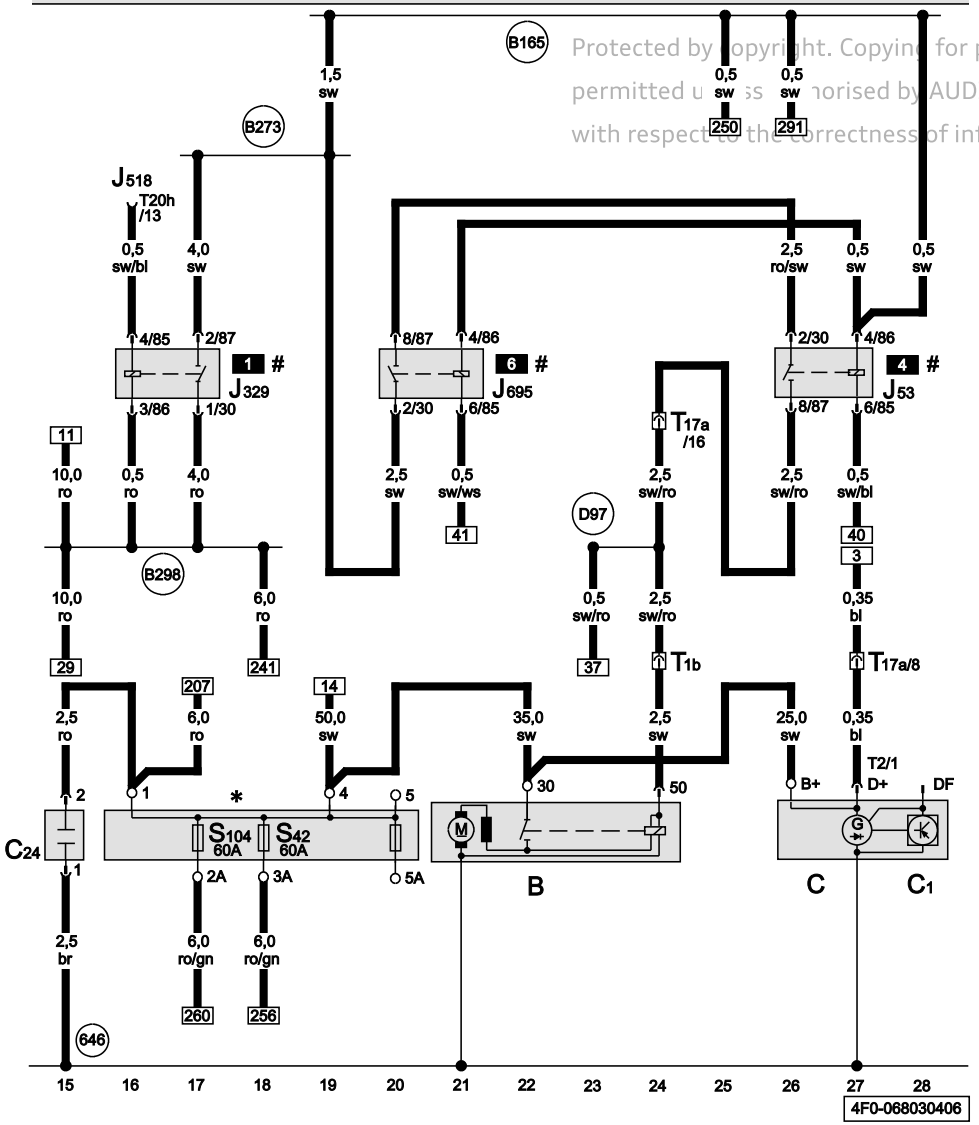
Battery, energy management control unit, battery isolation igniter, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
T2au	2-pin connector, purple, on battery isolation igniter
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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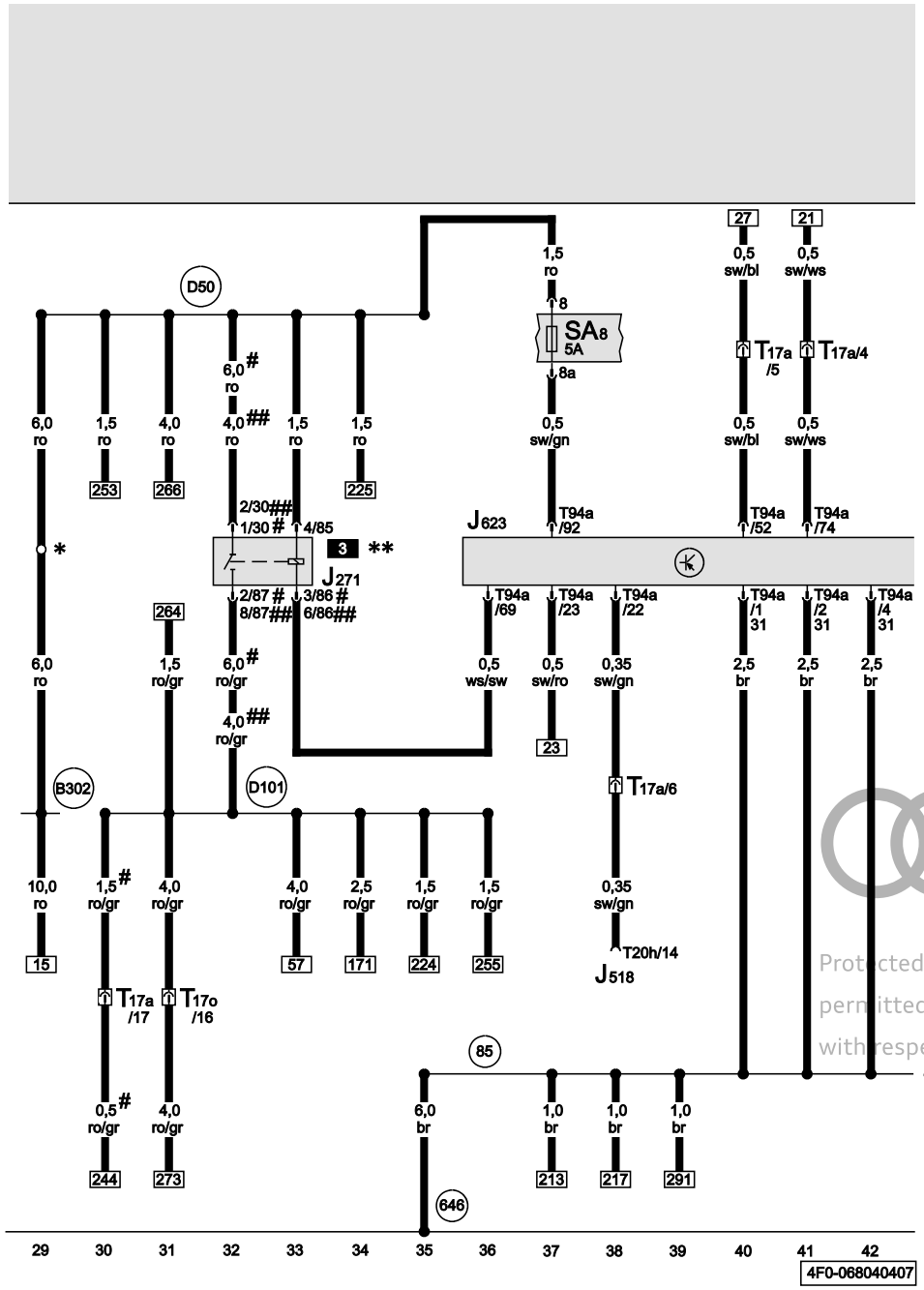
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Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment



Engine control unit, Motronic current supply relay

J271	Motronic current supply relay
J518	Entry and start authorisation control unit
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber
#	up to May 2007
##	from June 2007

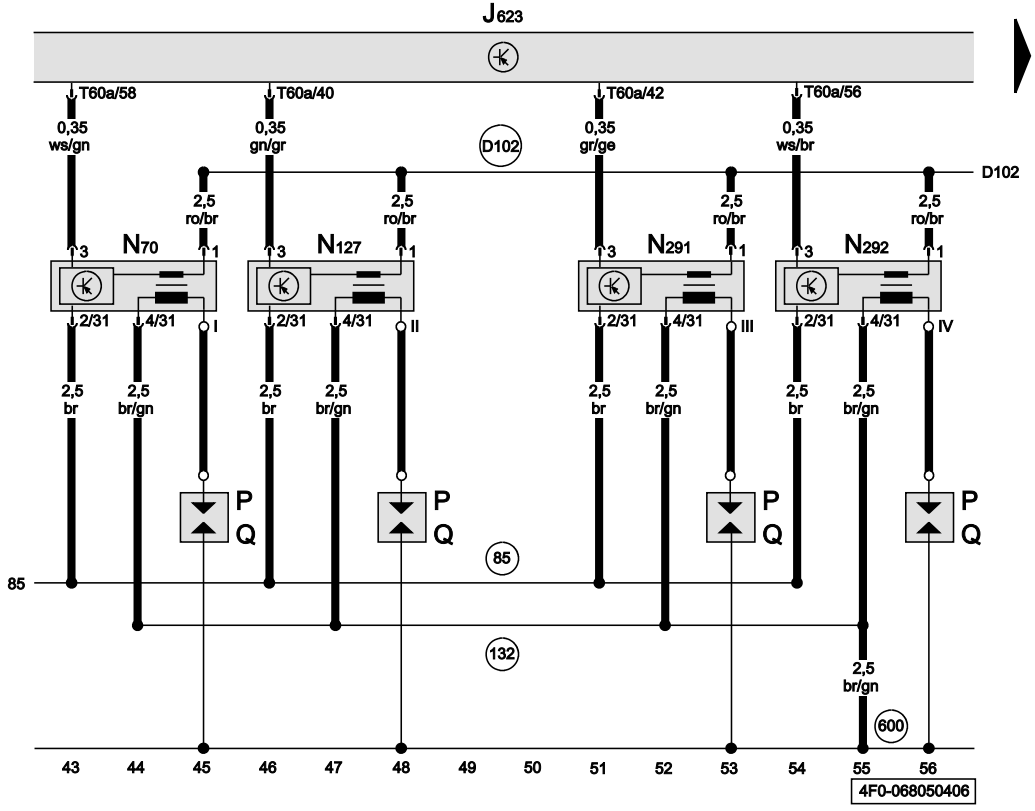
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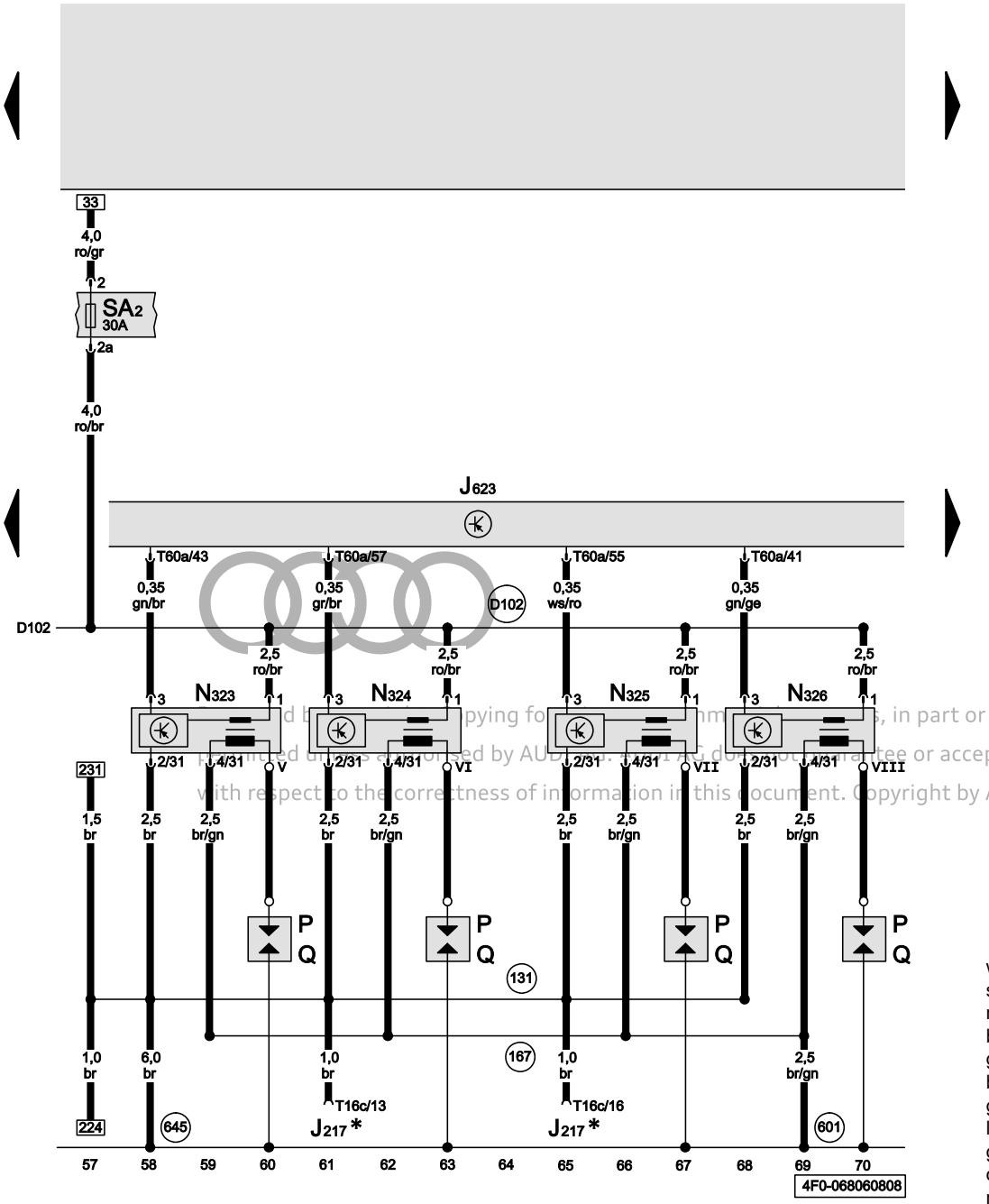
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Engine control unit, ignition coil 1 up to 4 with output stage

J623	Engine 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
P	Spark plug connector
Q	Spark plugs
T60a	60-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
600	Earth point, on right of cylinder head
D102	Connection 2, in engine compartment wiring harness



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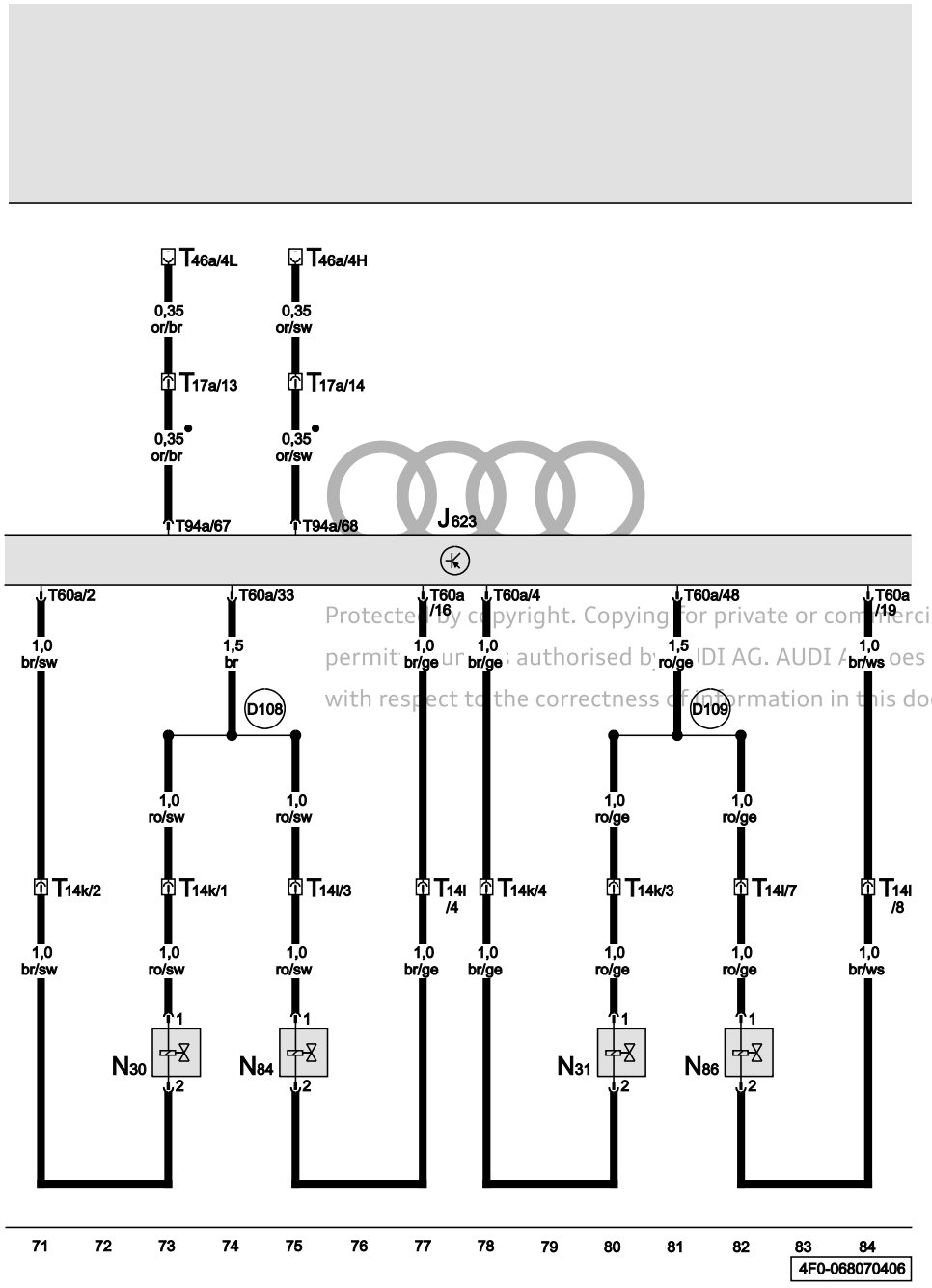
Engine control unit, ignition coil 5 up to 8 with output stage

J217	Automatic gearbox control unit
J623	Engine control unit
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
N325	Ignition coil 7 with output stage
N326	Ignition coil 8 with output stage
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T16c	16-pin connector, black, on automatic gearbox control unit
T60a	60-pin connector, black, connector A, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
167	Earth connection 4, in engine compartment wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
D102	Connection 2, in engine compartment wiring harness
*	models with automatic gearbox 09L

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Engine control unit, injector for cylinders 1, 2, 6, 8

J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N84	Injector, cylinder 6
N86	Injector, cylinder 8
T14k	14-pin connector, black, in engine compartment, bank 1
T14l	14-pin connector, black, in engine compartment, bank 2
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN separating connector left
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
D108	Connection 6, in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness
•	CAN bus (data wire)

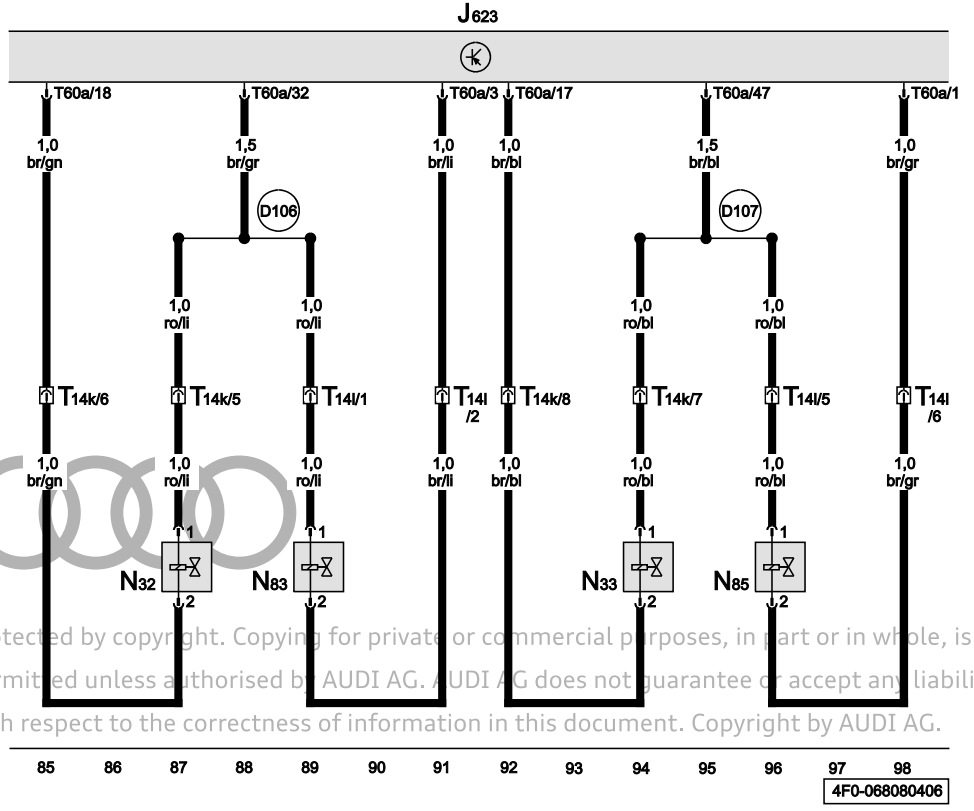


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Engine control unit, injector for cylinders 3, 4, 5, 7

J623	Engine control unit
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N85	Injector, cylinder 7
T14k	14-pin connector, black, in engine compartment, bank 1
T14l	14-pin connector, black, in engine compartment, bank 2
T60a	60-pin connector, black, connector A, on engine control unit
D106	Connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness

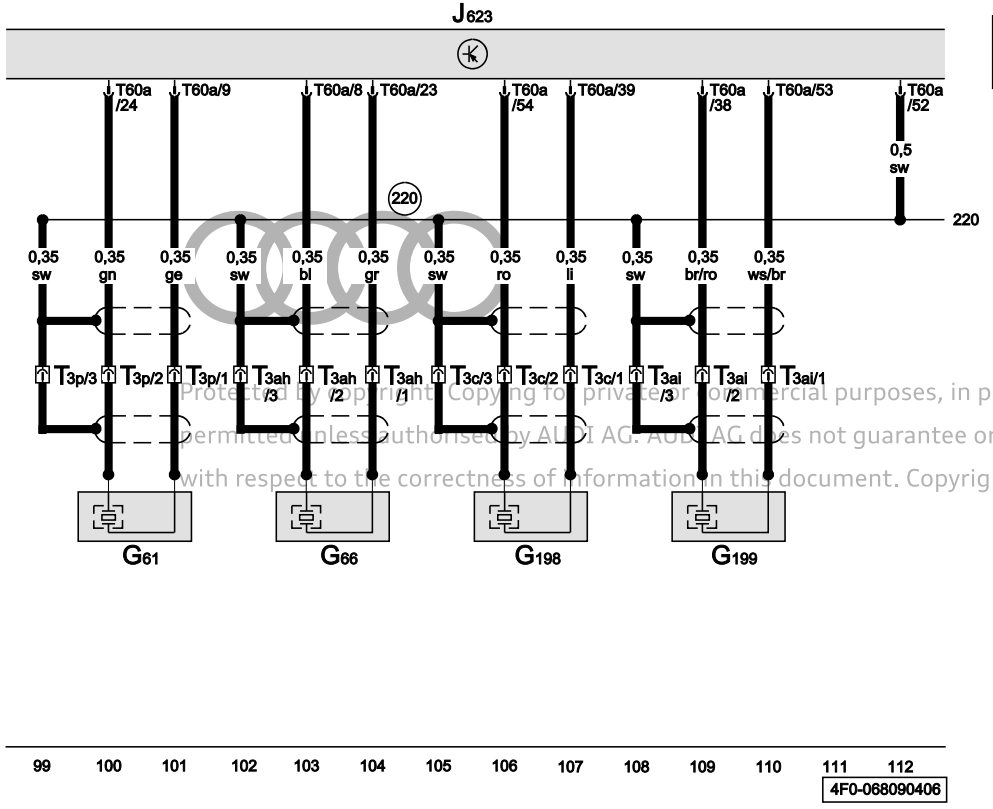


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Engine control unit, knock sensors

G61	Knock sensor 1
G66	Knock sensor 2
G198	Knock sensor 3
G199	Knock sensor 4
J623	Engine control unit
T3c	3-pin connector, black, on knock sensor 3
T3p	3-pin connector, black, on knock sensor 1
T3ah	3-pin connector, brown, on knock sensor 2
T3ai	3-pin connector, brown, on knock sensor 4
T60a	60-pin connector, black, connector A, on engine control unit
220	Earth connection (sender earth), in engine wiring harness

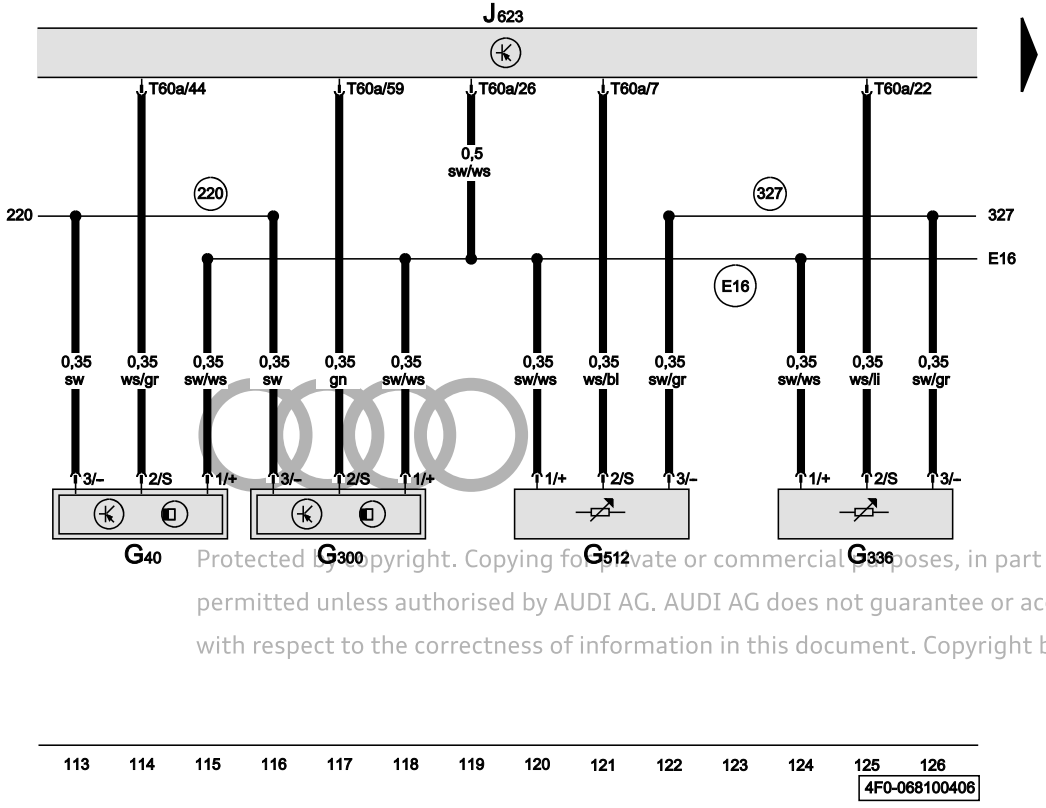


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Engine control unit, Hall sender, intake manifold flap potentiometer

G40	Hall sender
G300	Hall sender 3
G336	Intake manifold flap potentiometer
G512	Intake manifold flap 2 potentiometer
J623	Engine control unit
T60a	60-pin connector, black, connector A, on engine control unit
220	Earth connection (sender earth), in engine wiring harness
327	Earth connection (sender earth), in engine compartment wiring harness
E16	Positive connection (5 volts), in Motronic wiring harness

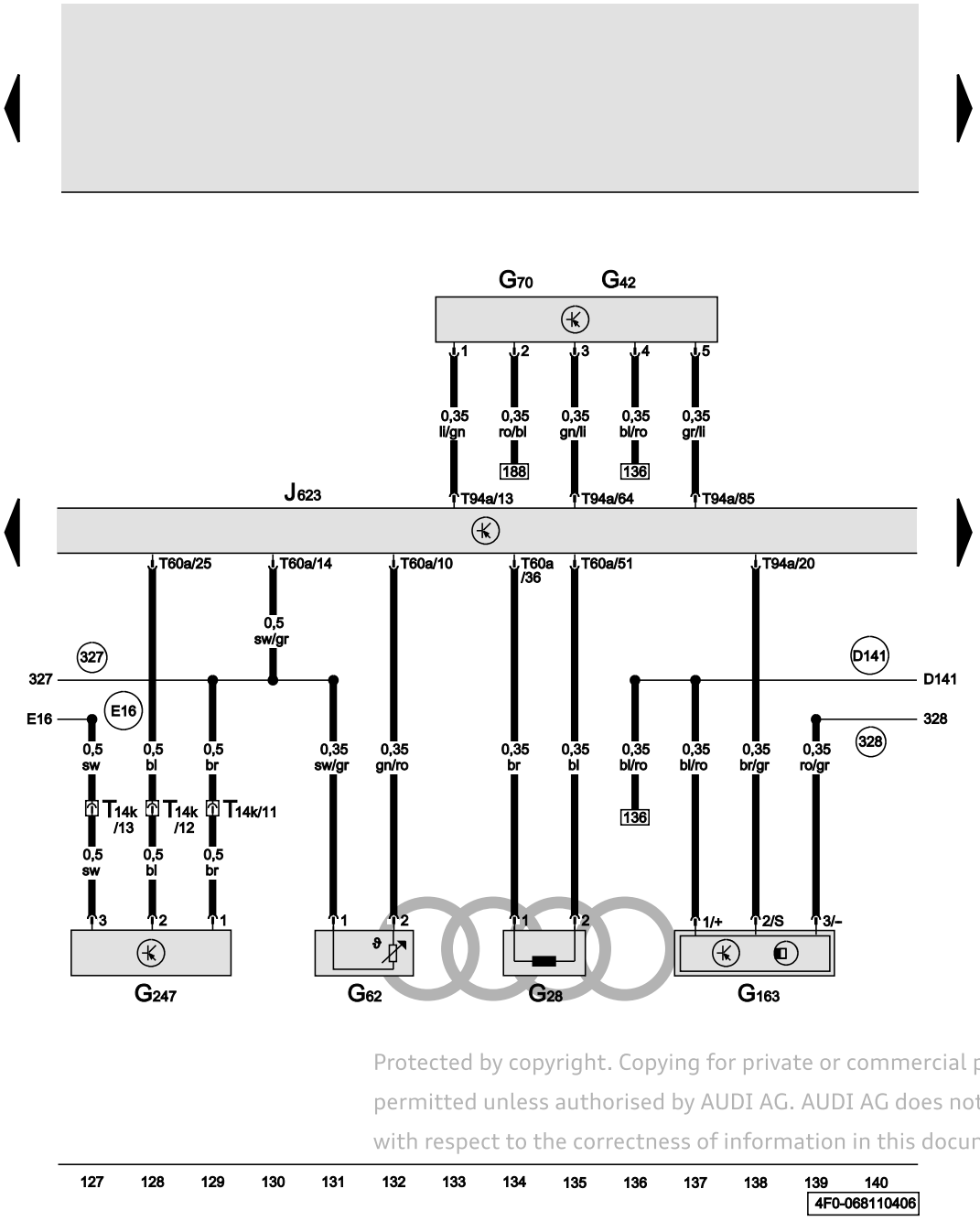


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Engine control unit, engine speed sender, Hall sender, air mass meter, fuel pressure sender, coolant temperature sender

G28	Engine speed sender
G42	Intake air temperature sender
G62	Coolant temperature sender
G70	Air mass meter
G163	Hall sender 2
G247	Fuel pressure sender
J623	Engine control unit
T14k	14-pin connector, black, in engine compartment, bank 1
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
E16	Positive connection (5 volts), in Motronic wiring harness



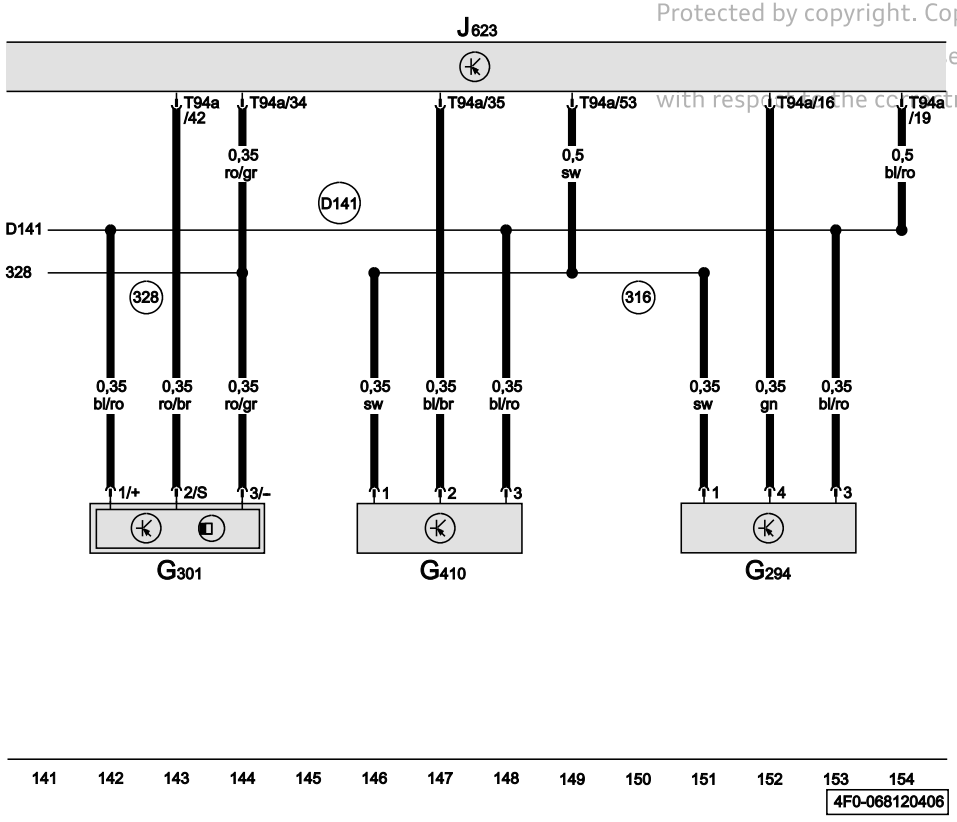
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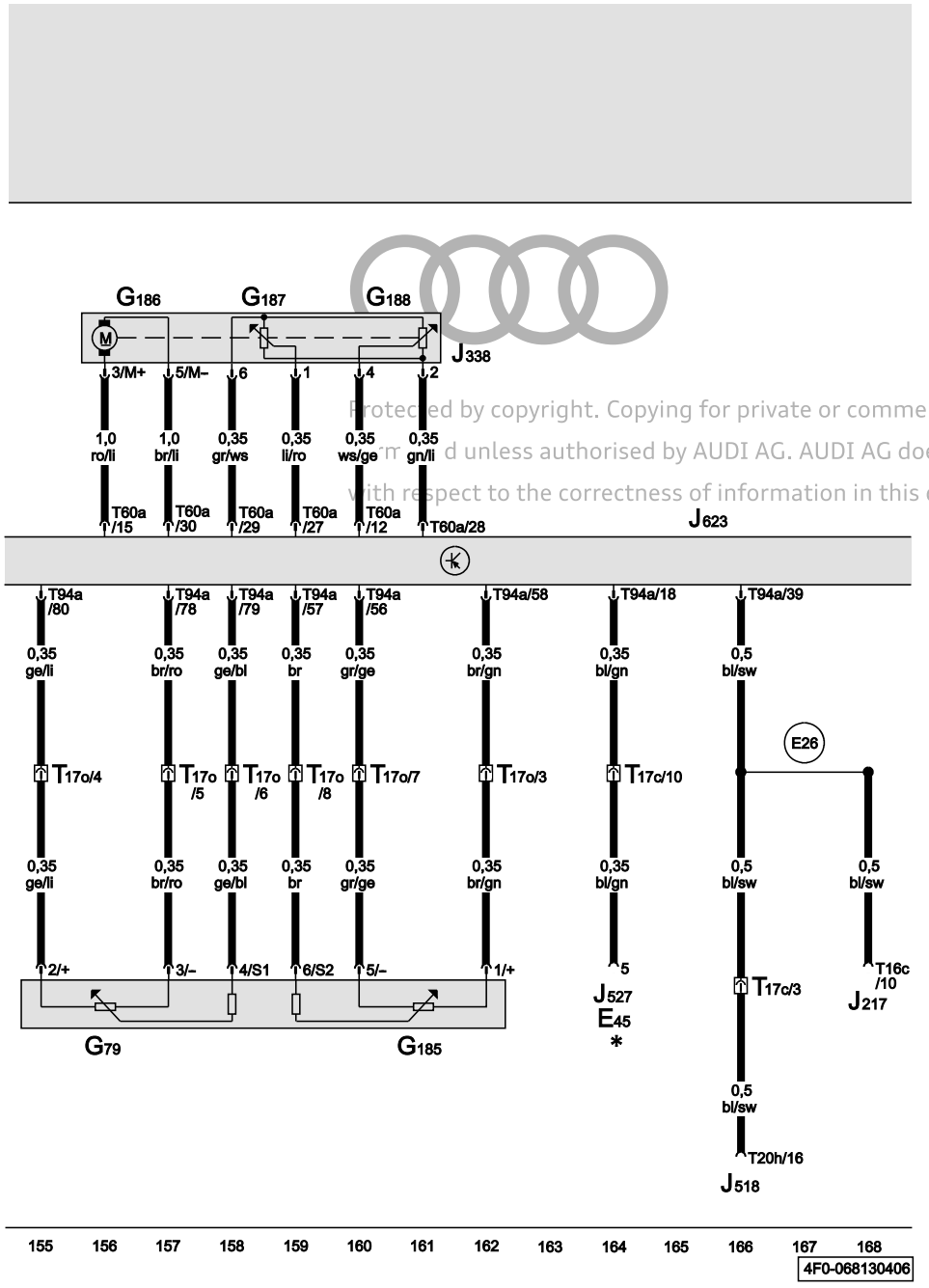
Engine control unit, brake servo pressure sensor, fuel pressure sender for low pressure, Hall sender

G294	Brake servo pressure sensor
G301	Hall sender 4
G410	Fuel pressure sender for low pressure
J623	Engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
316	Earth connection (sender earth 2), in engine wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness

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rs	=	pink



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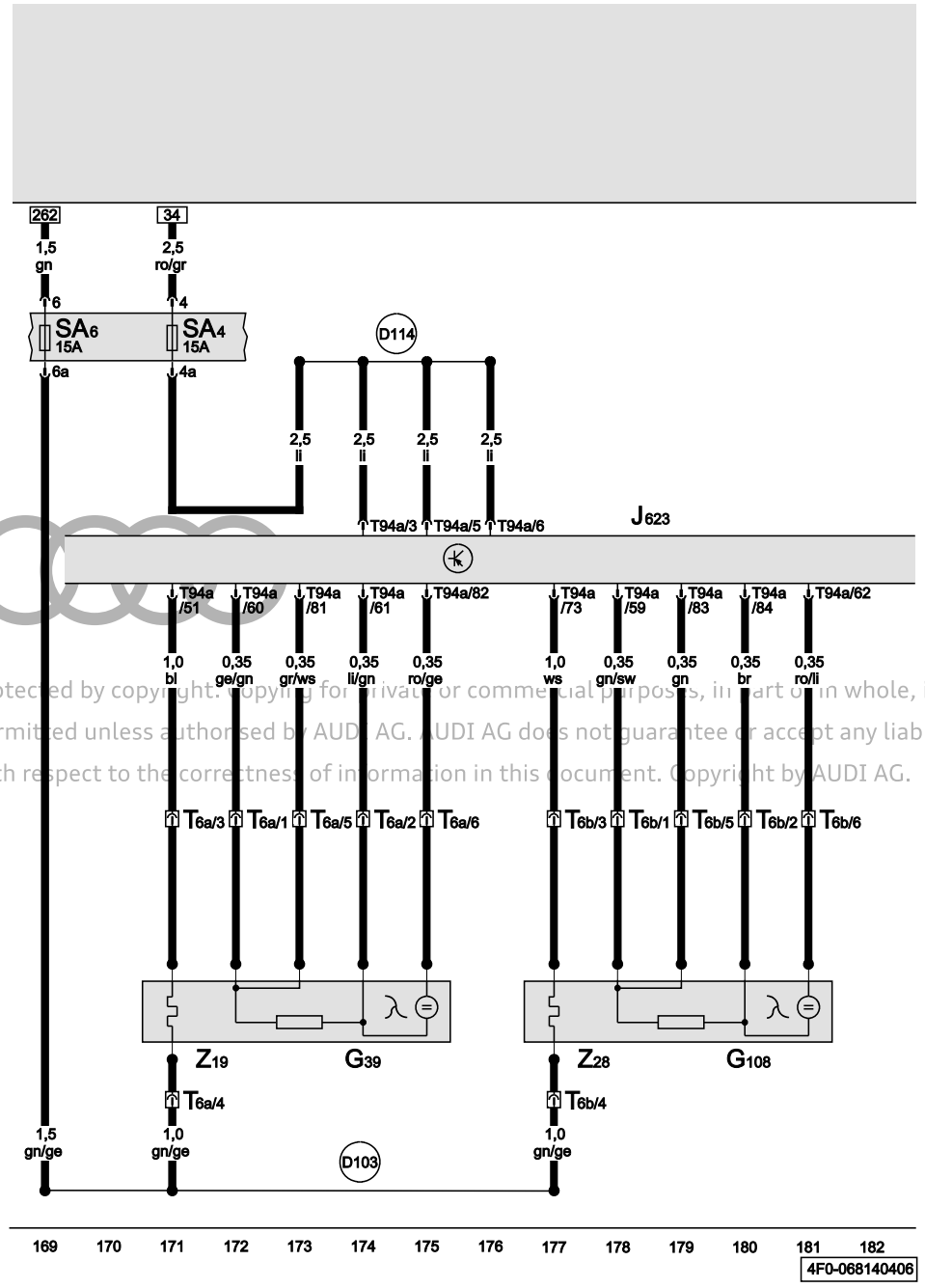
Engine control unit, throttle valve module, accelerator position sender

E45	Cruise control system switch
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J217	Automatic gearbox control unit
J338	Throttle valve module
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
E26	Connection (selector position P/N), in Motronic wiring harness
*	models with cruise control system

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Engine control unit, lambda probe, lambda probe heater

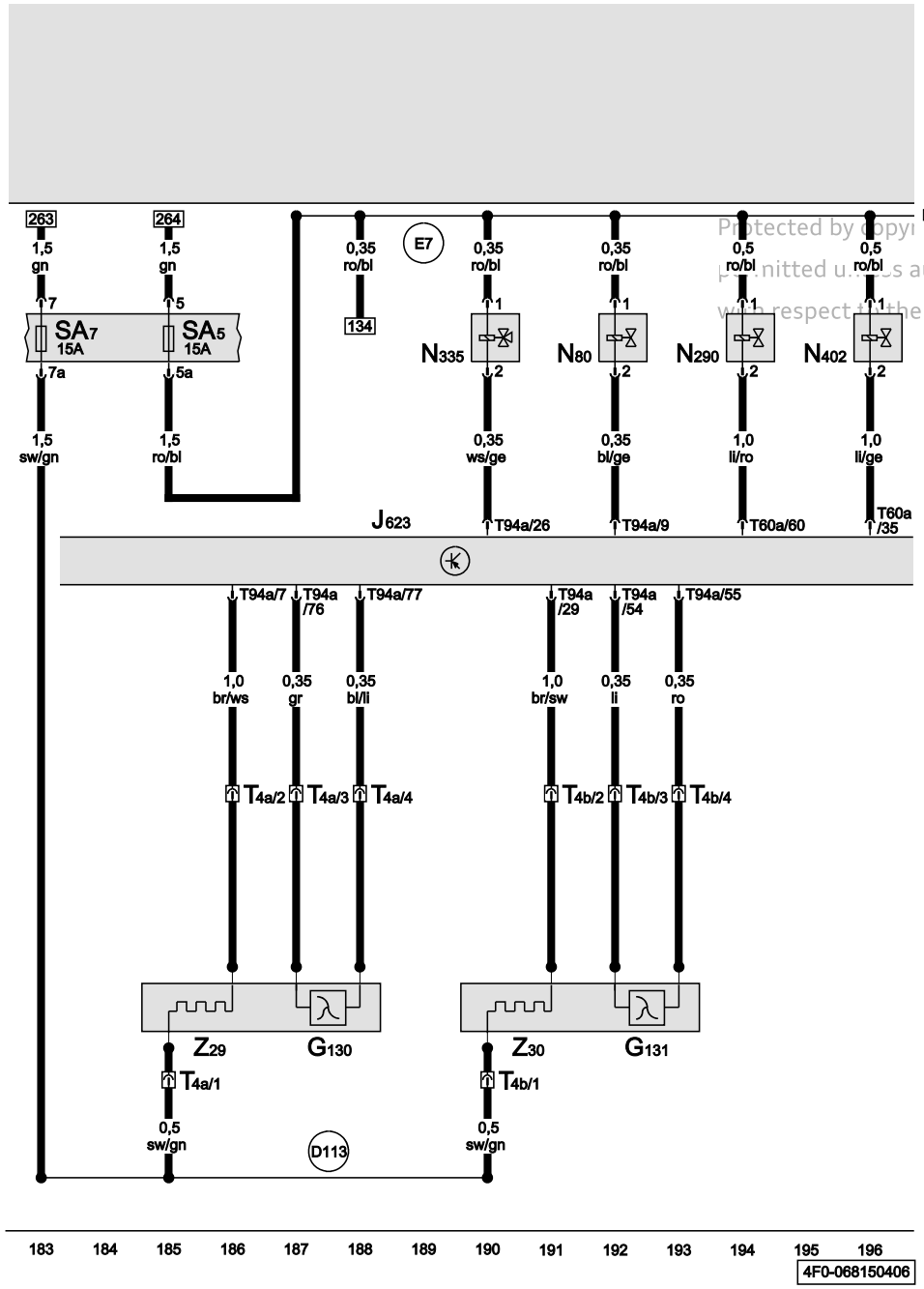
G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, for lambda probe
T6b	6-pin connector, black, for lambda probe 2
T94a	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D103	Connection 3, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness



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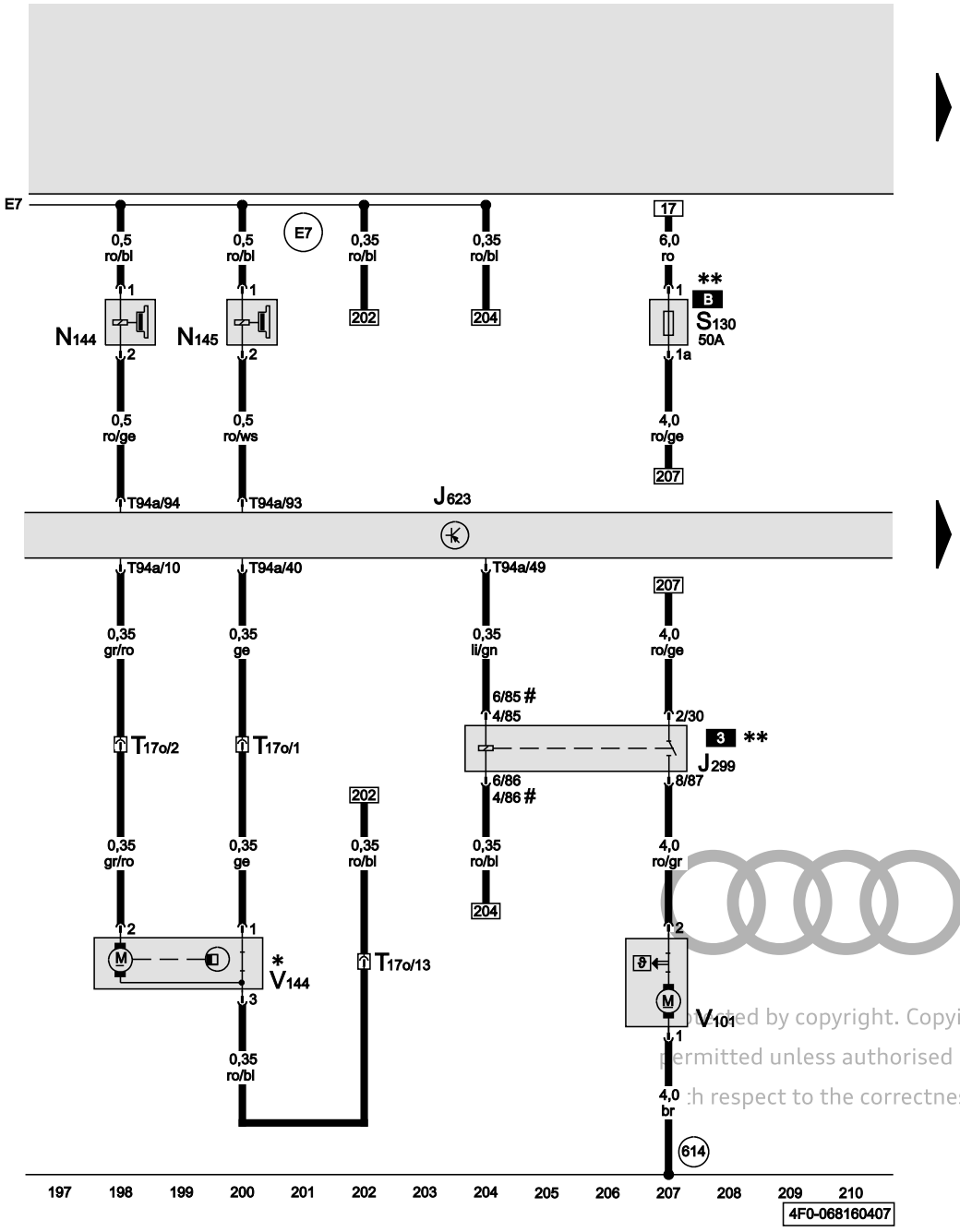
Engine control unit, lambda probe after catalytic converter, activated charcoal filter system solenoid valve 1, fuel metering valve, variable intake manifold change-over valve, lambda probe 1 heater after catalytic converter



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G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N290	Fuel metering valve
N335	Variable intake manifold change-over valve
N402	Fuel metering valve 2
SA5	Fuse 5 on fuse holder A
SA7	Fuse 7 on fuse holder A
T4a	4-pin connector, black, for lambda probe 1 after catalytic converter
T4b	4-pin connector, brown, for lambda probe 2 after catalytic converter
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D113	Connection 11, in engine compartment wiring harness
E7	Connection (87a), in Motronic wiring harness

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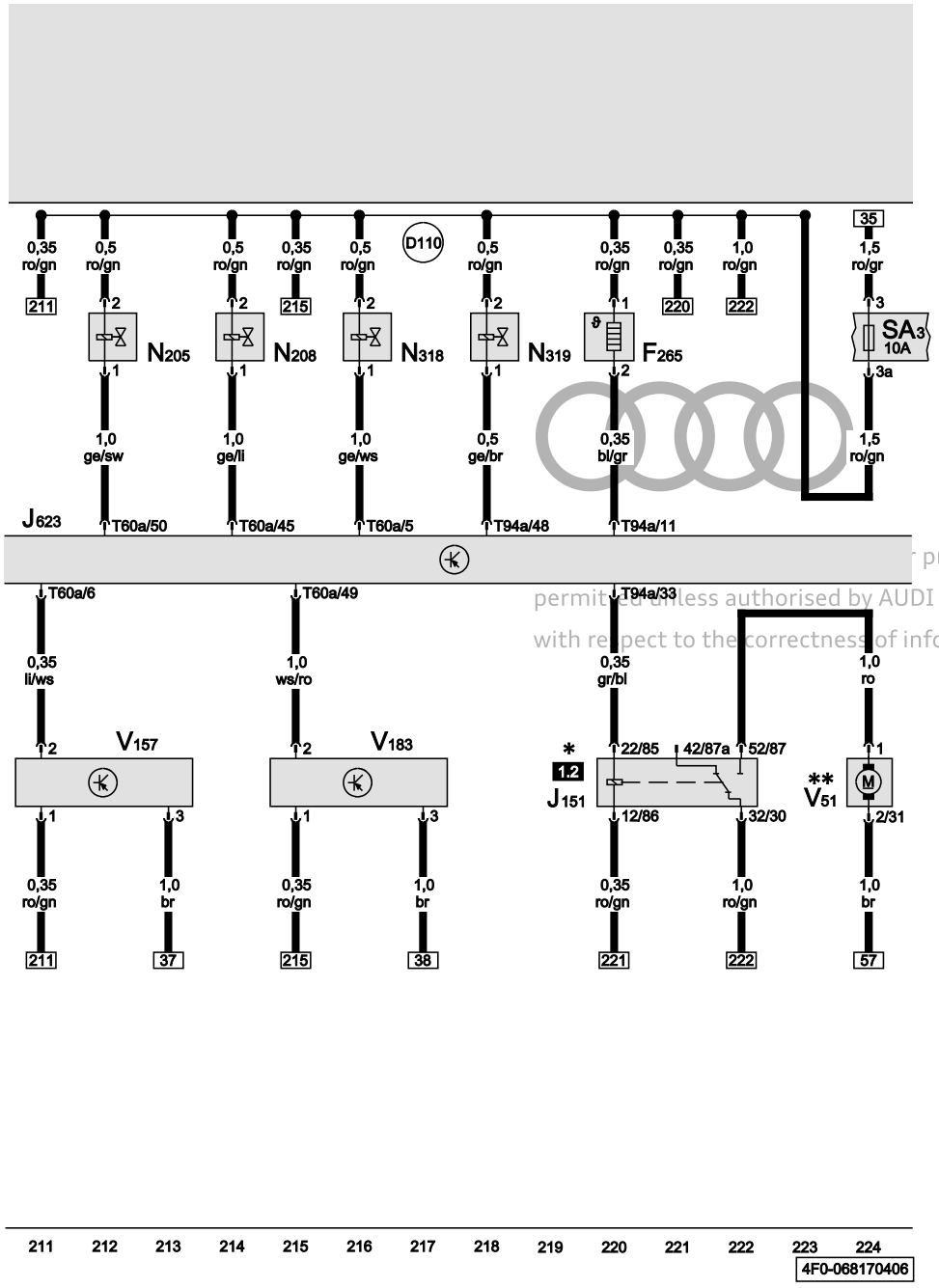


Engine control unit, secondary air pump relay, left and right electrohydraulic engine mounting solenoid valve, secondary air pump fuse, fuel system diagnostic pump

J299	Secondary air pump relay
J623	Engine control unit
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
S130	Secondary air pump fuse
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
V101	Secondary air pump motor
V144	Fuel system diagnostic pump
614	Earth point 2, on right in engine compartment
E7	Connection (87a), in Motronic wiring harness
•	CAN bus (data wire)
*	models with fuel system diagnostic pump
**	Relay carrier electronics box on right in plenum chamber
#	from June 2007

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Engine control unit, continued coolant circulation relay, inlet camshaft control valves, map-controlled engine cooling system thermostat, intake manifold flap motor, variable intake manifold motor

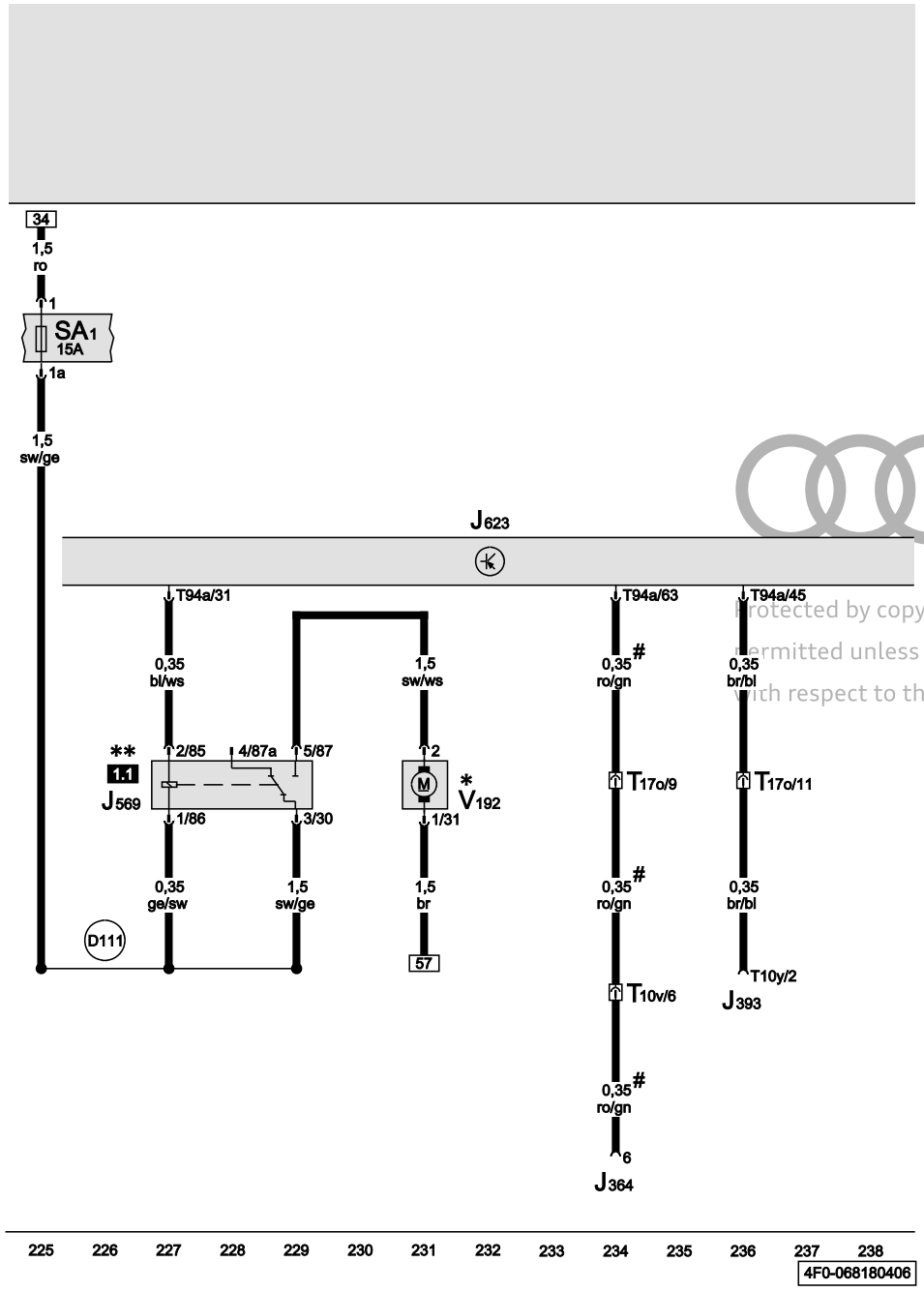
F265	Map-controlled engine cooling system thermostat
J151	Continued coolant circulation relay
J623	Engine control unit
N205	Inlet camshaft control valve 1
N208	Inlet camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
SA3	Fuse 3 on fuse holder A
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V51	Continued coolant circulation pump
V157	Intake manifold flap motor
V183	Variable intake manifold motor
D110	Connection 8, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	only countries with hot climate

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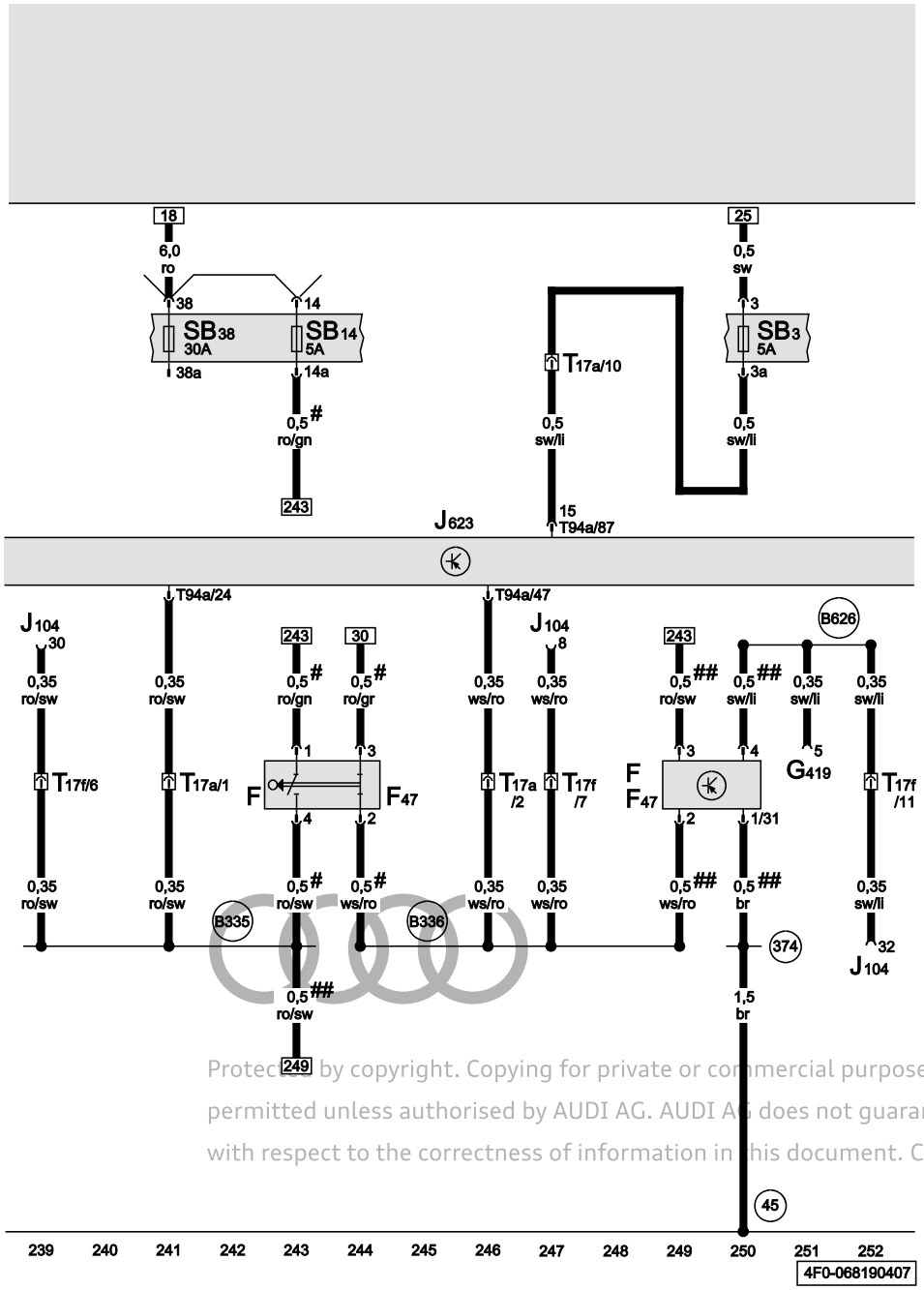
Engine control unit, brake servo relay, vacuum pump for brakes

J364	Auxiliary heater control unit
J393	Convenience system central control unit
J569	Brake servo relay
J623	Engine control unit
SA1	Fuse 1 on fuse holder A
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T10y	10-pin connector, black, connector C, on convenience system control unit
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
V192	Vacuum pump for brakes
D111	Connection 9, in engine compartment wiring harness
*	models with automatic gearbox
**	Relay carrier electronics box left in plenum chamber
#	models with auxiliary heater



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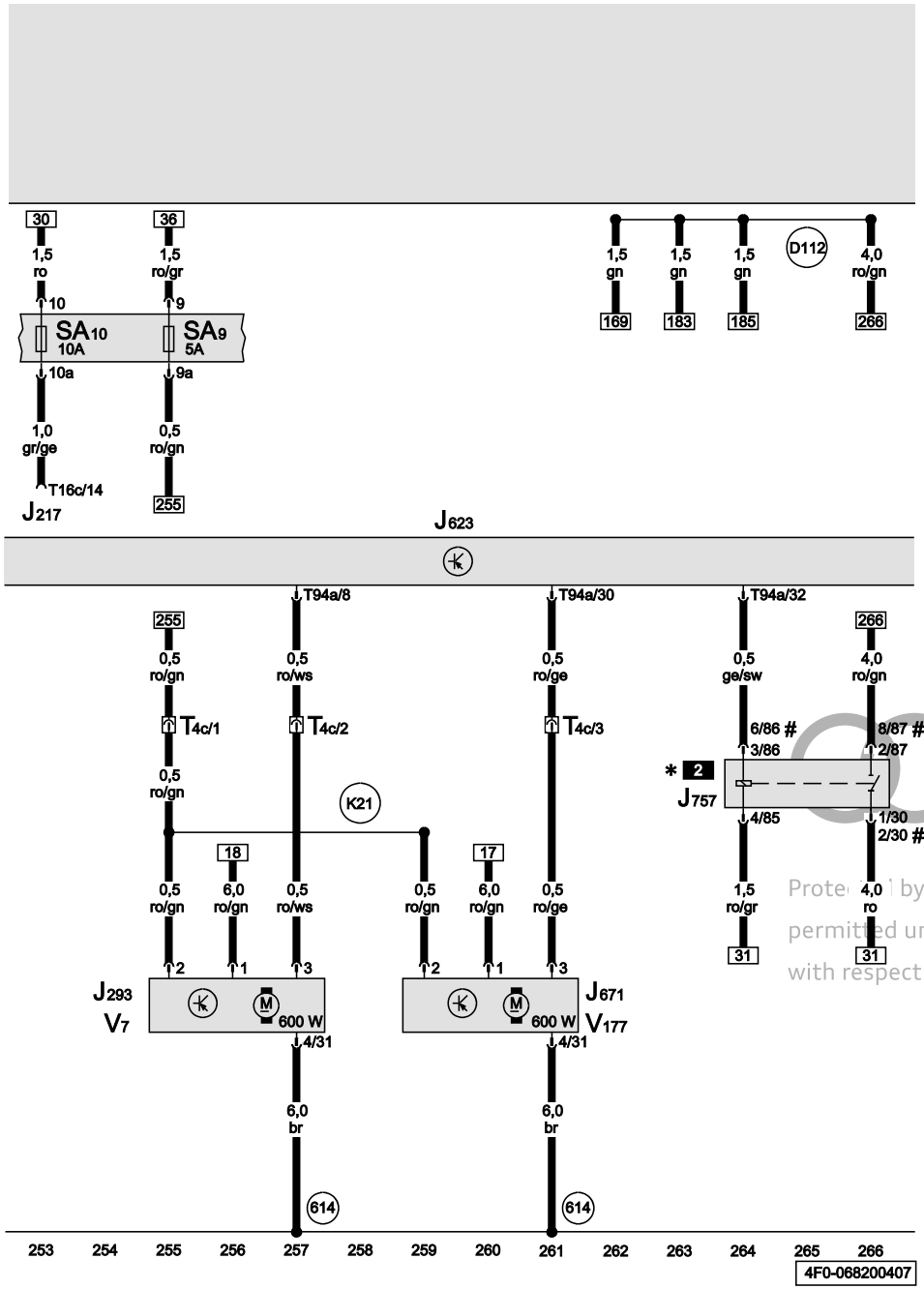


Engine control unit, brake light switchbrake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J623	Engine control unit
SB3	Fuse 3 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T94a	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
#	up to May 2007
##	from June 2007

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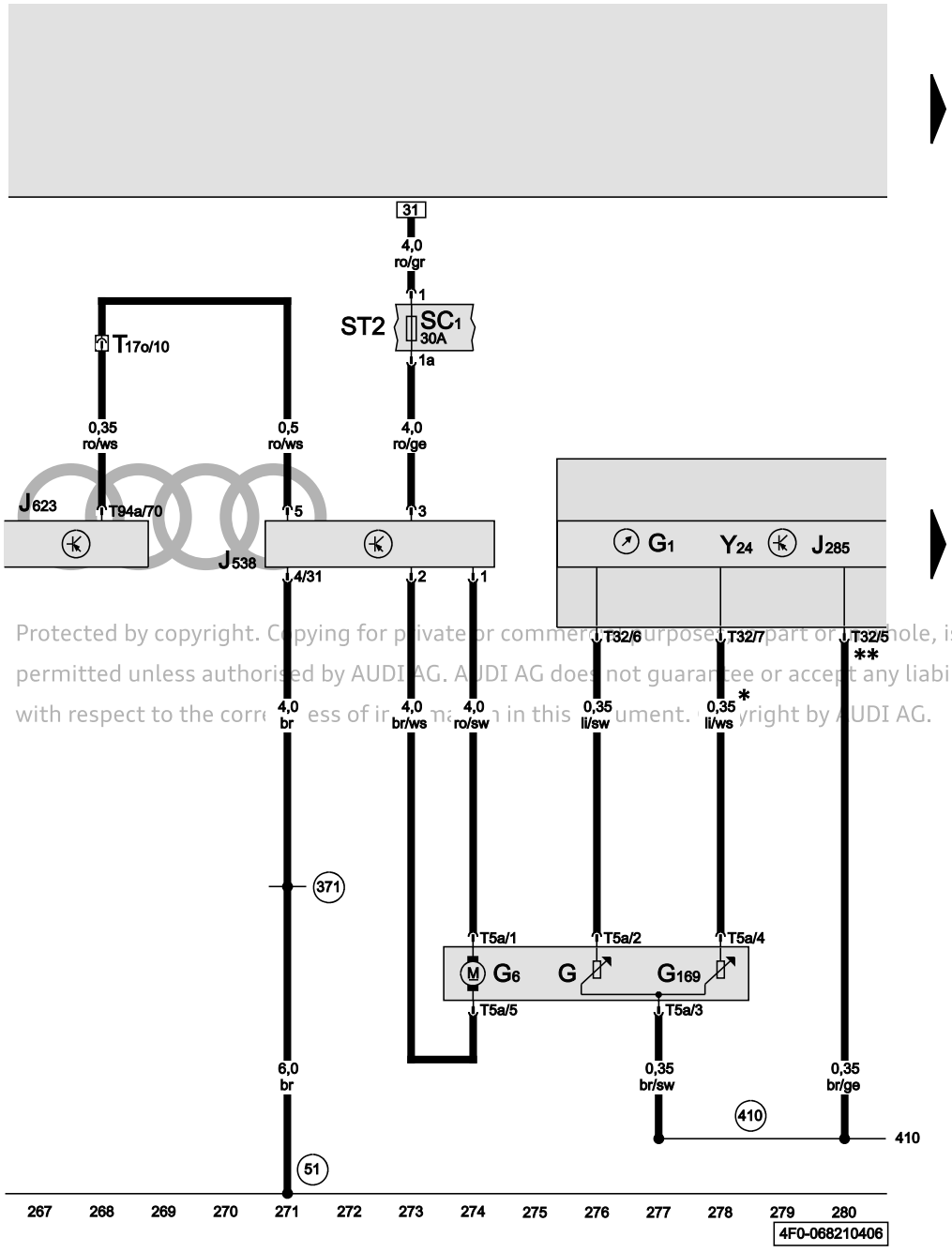


Engine control unit, engine component current supply relay, radiator fan control unit, radiator fan

J217	Automatic gearbox control unit
J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
J757	Engine component current supply relay
SA9	Fuse 9 on fuse holder A
SA10	Fuse 10 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T16c	16-pin connector, black, on automatic gearbox control unit
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
D112	Connection 10, in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Relay carrier electronics box left in plenum chamber
#	from June 2007

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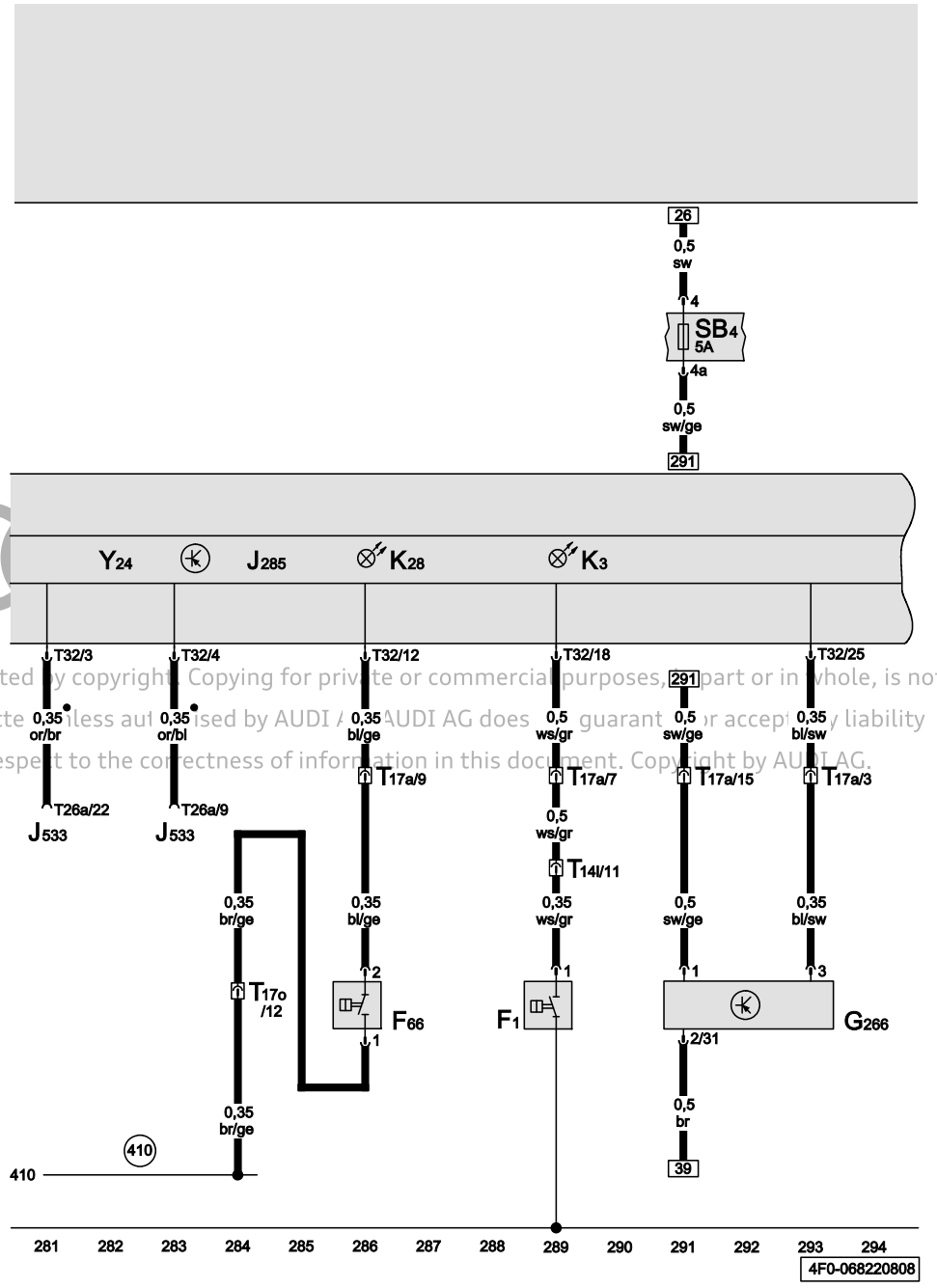
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Fuel pump control unit, control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sender, fuel gauge, fuel gauge sender 2

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J538	Fuel pump control unit
J623	Engine control unit
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
T94a	94-pin connector, black, connector B, on engine control unit
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	only four-wheel drive
**	output sender earth

Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil level and oil temperature sender, oil pressure switch, coolant shortage indicator switch

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J533	Data bus diagnostic interface
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T14l	14-pin connector, black, in engine compartment, bank 2
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)



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Audi S6 5.2 l Fuel injection engine (320 kW - 10 cylinder), engine code BXA

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

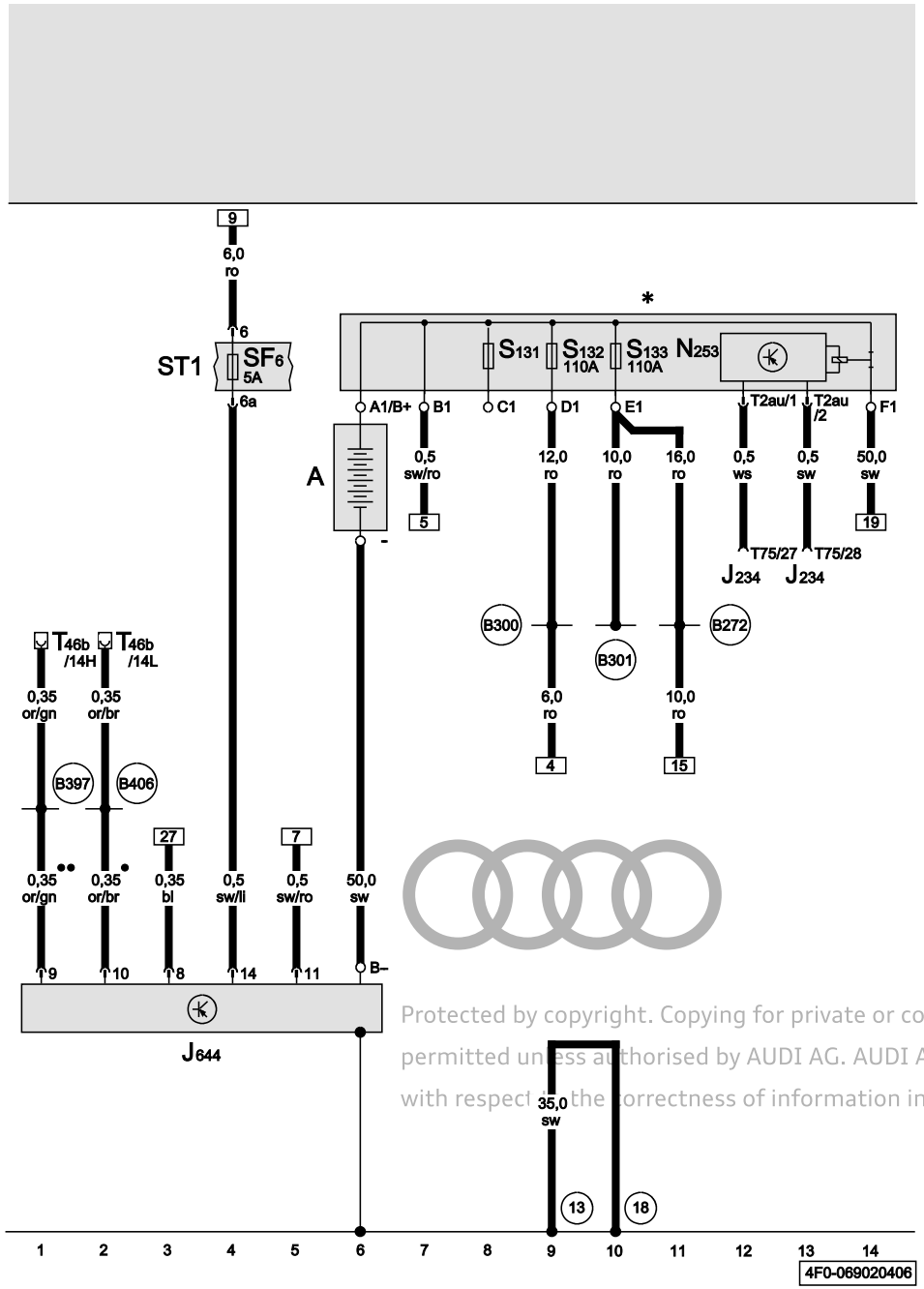
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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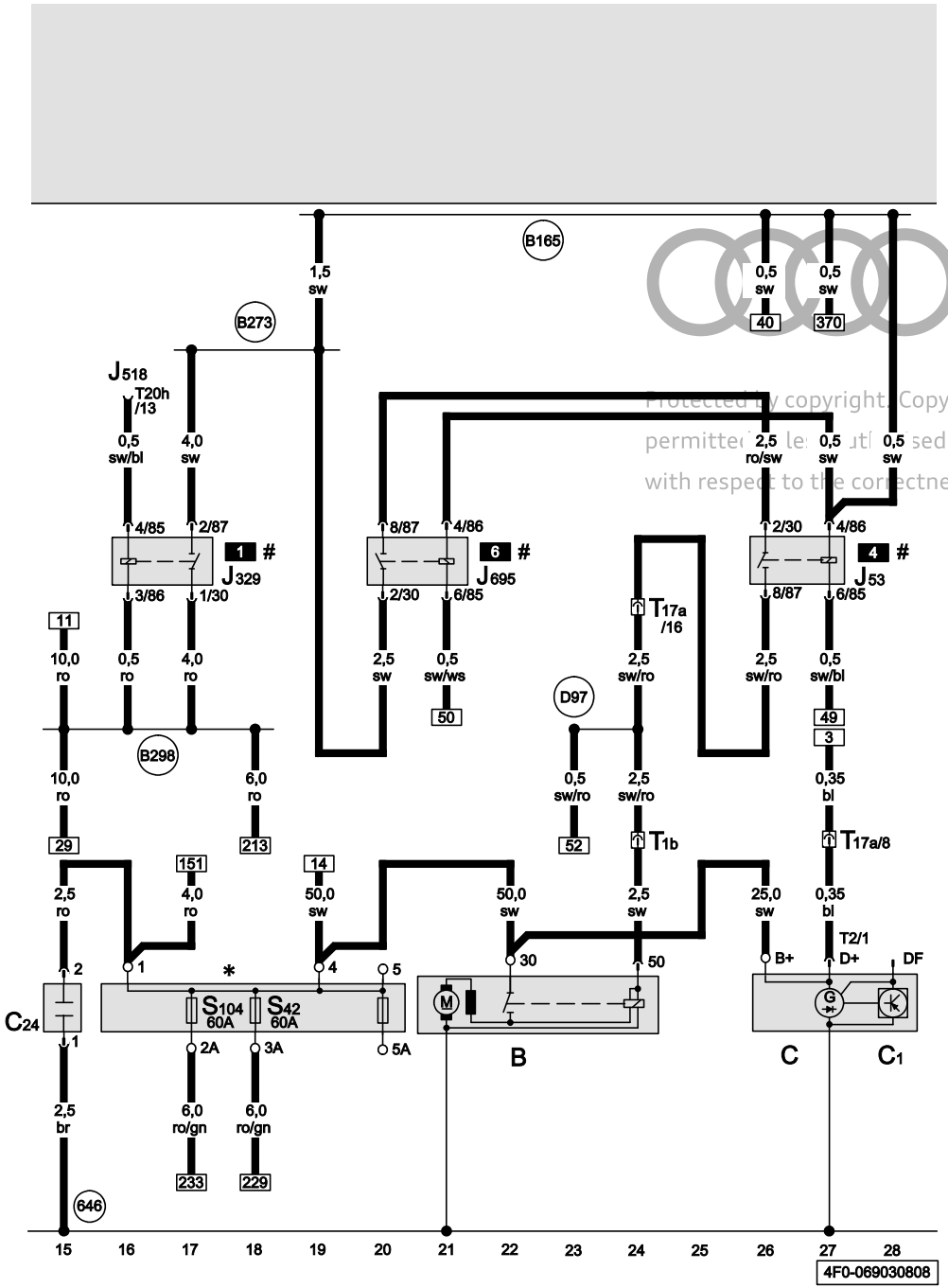


Battery, energy management control unit, battery isolation igniter, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
T2au	2-pin connector, purple, on battery isolation igniter
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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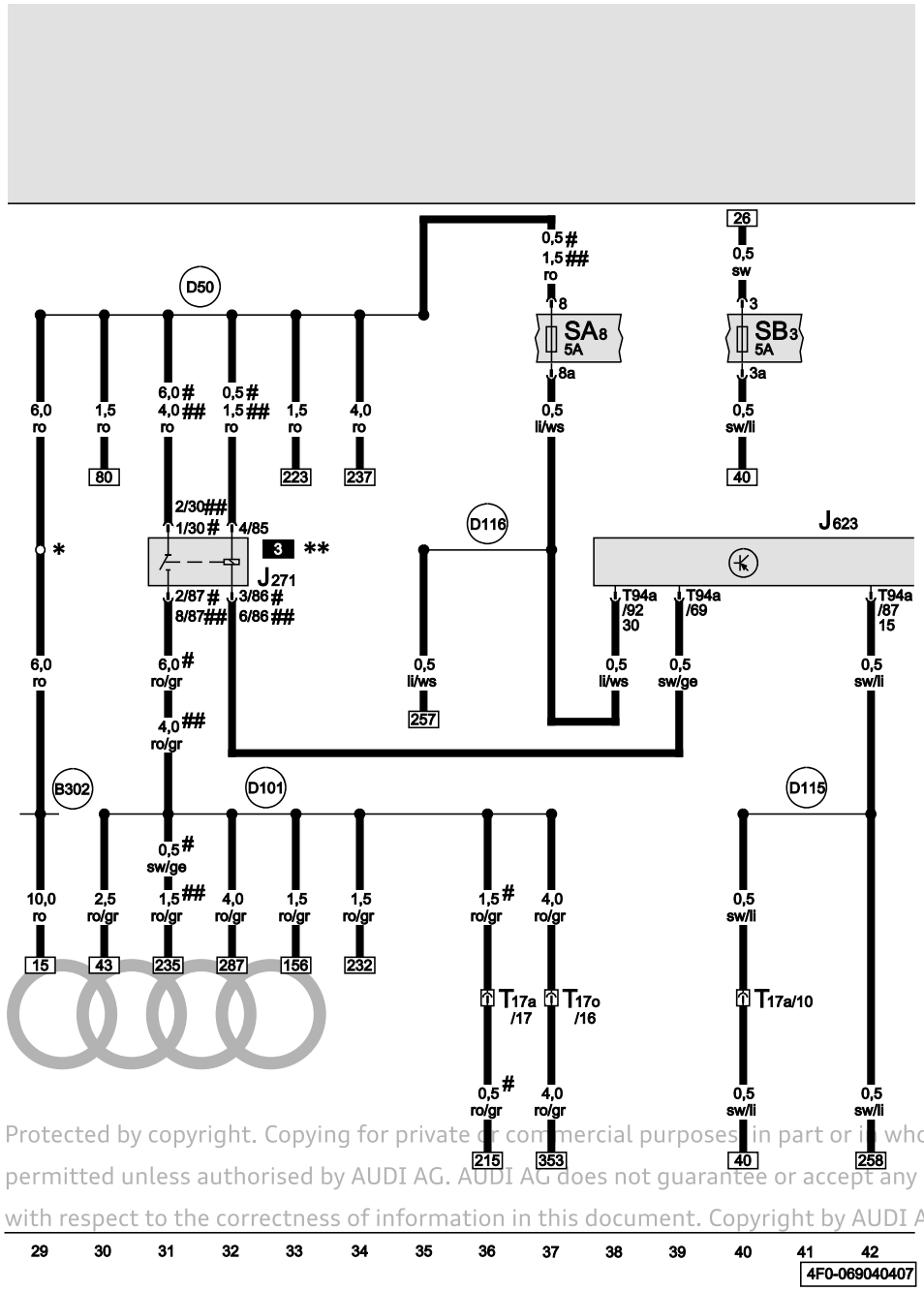


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Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment

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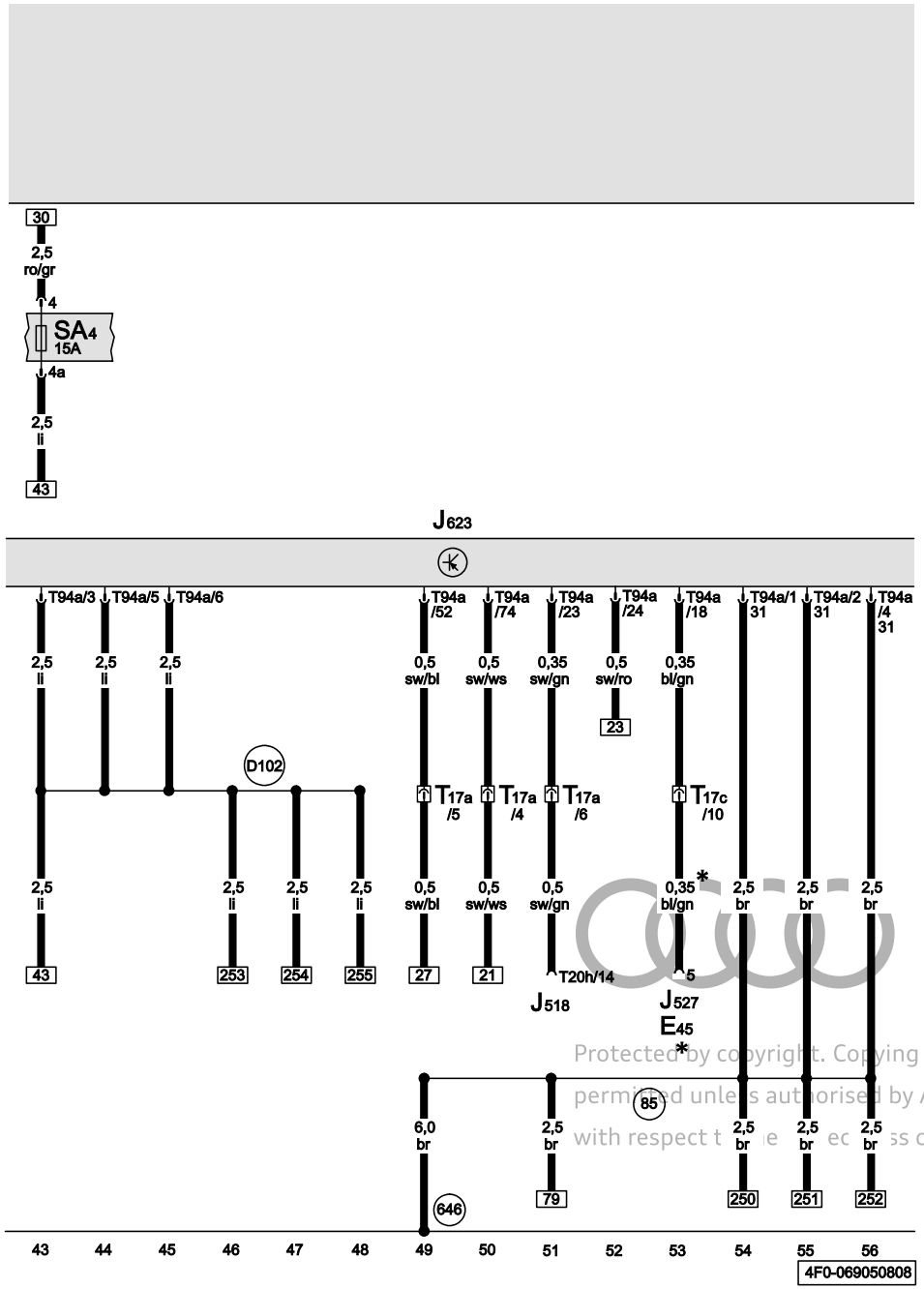


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Engine control unit, Motronic current supply relay

J271	Motronic current supply relay
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
SB3	Fuse 3 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
D115	Connection 13, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber
#	up to May 2007
##	from June 2007

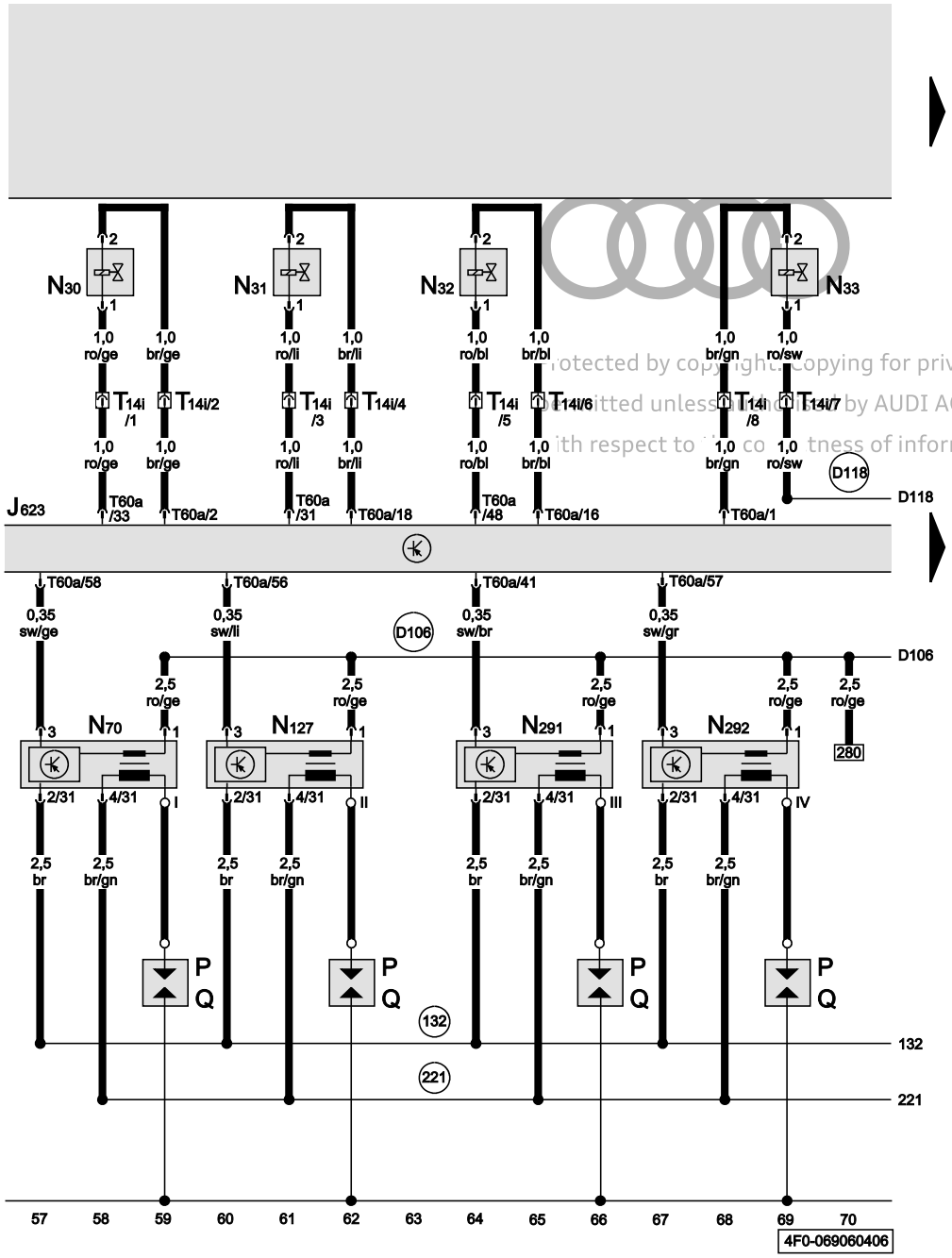


Engine control unit

E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
D102	Connection 2, in engine compartment wiring harness
*	models with cruise control system

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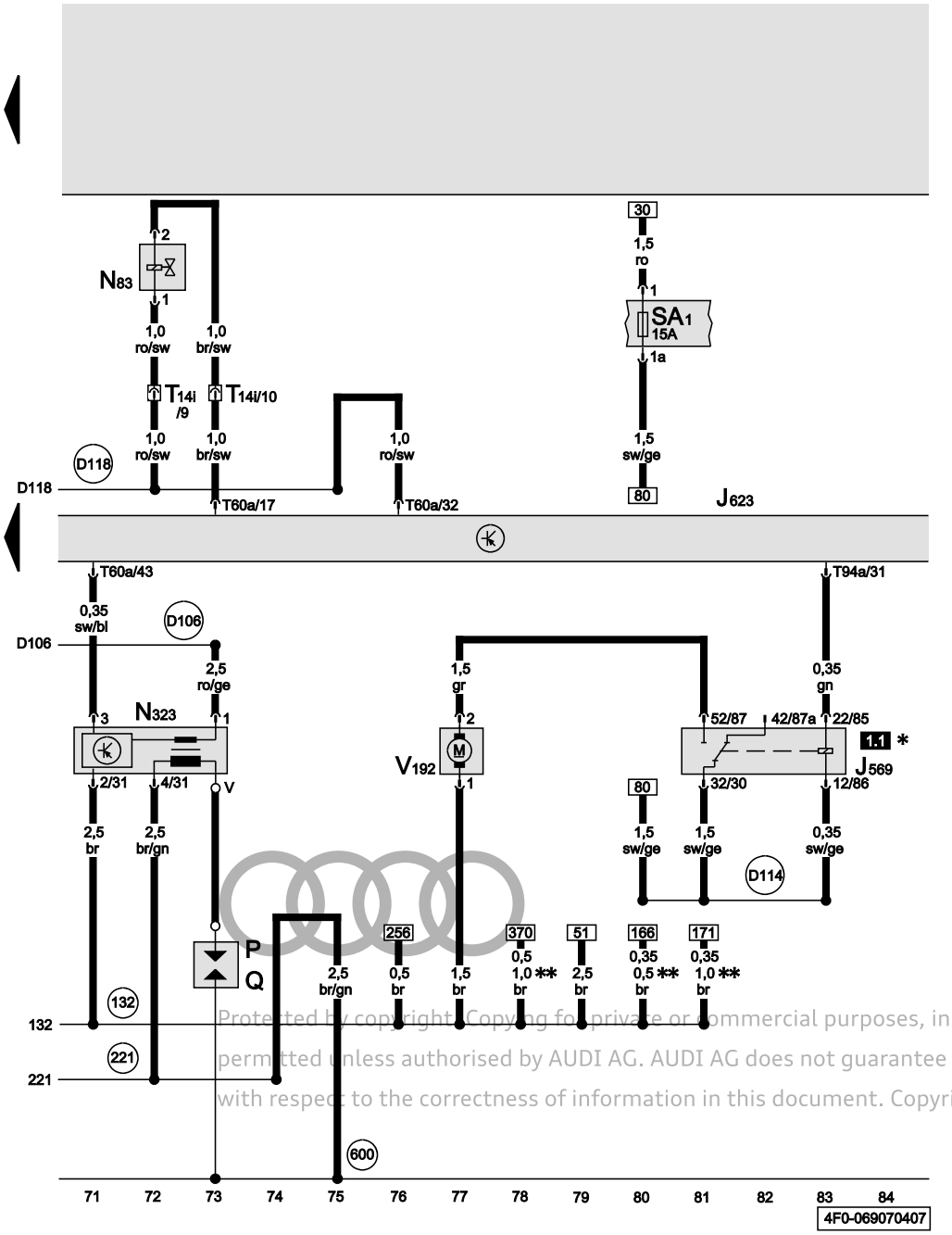
Engine control unit, injectors cylinder 1 up to 4, ignition coils 1 up to 4 with output stage

J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
T14i	14-pin connector, black, on right in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
132	Earth connection 3, in engine compartment wiring harness
221	Earth connection (engine earth), in engine wiring harness
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness

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Engine control unit, injector, cylinder 5, ignition coil 5 with output stage, brake servo relay, vacuum pump for brakes



J569 Brake servo relay
J623 Engine control unit
N83 Injector, cylinder 5
N323 Ignition coil 5 with output stage
P Spark plug connector
Q Spark plugs
SA1 Fuse 1 on fuse holder A
T14i 14-pin connector, black, on right in engine compartment
T60a 60-pin connector, black, connector A, on engine control unit
T94a 94-pin connector, black, connector B, on engine control unit
V192 Vacuum pump for brakes

132 Earth connection 3, in engine compartment wiring harness

221 Earth connection (engine earth), in engine wiring harness

600 Earth point, on right of cylinder head

D106 Connection 4, in engine compartment wiring harness

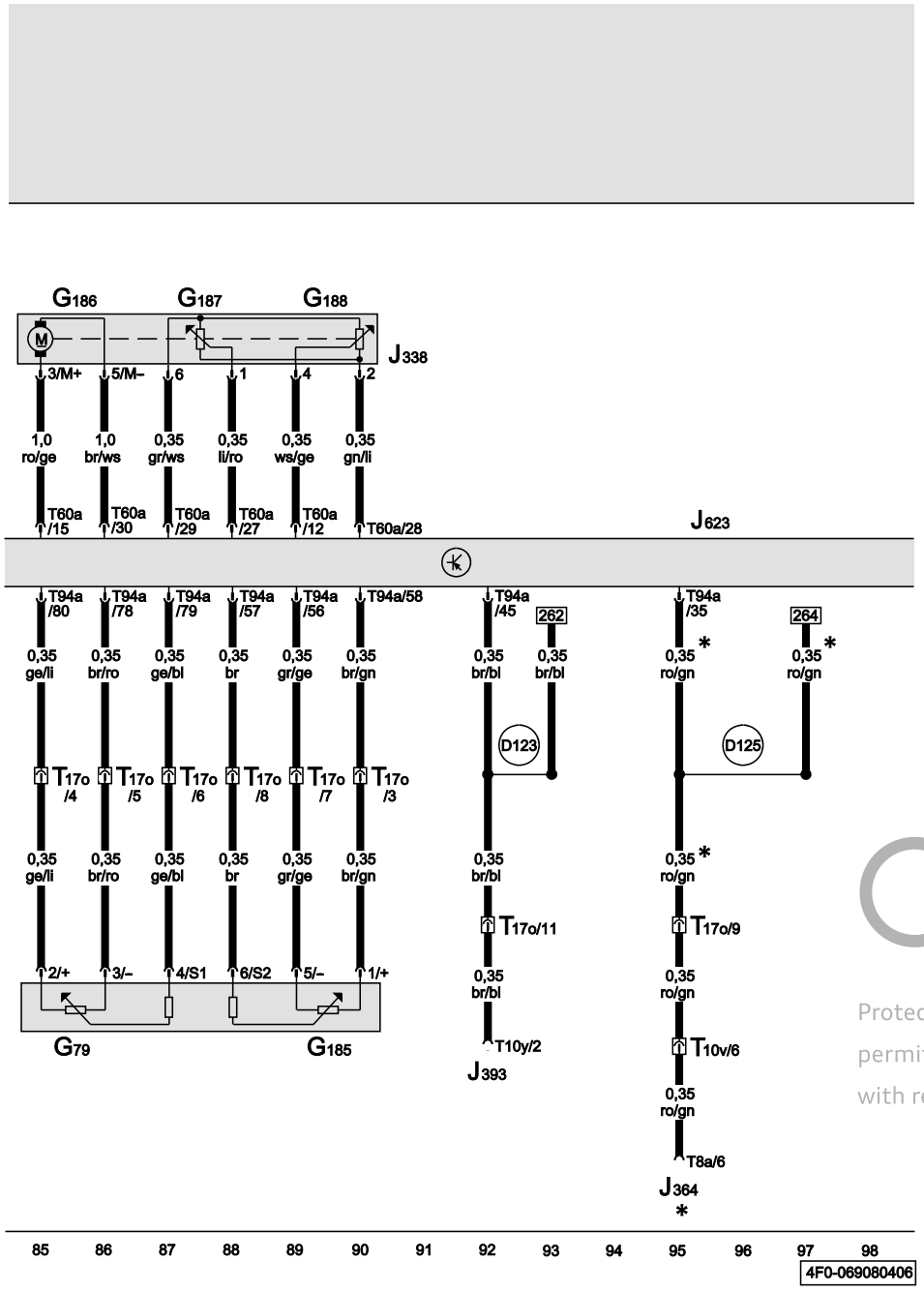
D114 Connection 12, in engine compartment wiring harness

D118 Connection 16, in engine compartment wiring harness

* Relay carrier electronics box left in plenum chamber
** from June 2007

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Engine control unit, throttle valve module, accelerator position sender

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J364	Auxiliary heater control unit
J393	Convenience system central control unit
J623	Engine control unit
T8a	8-pin connector, black, on auxiliary heater control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T10y	10-pin connector, black, connector C, on convenience system control unit
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
D123	Connection 21, in engine compartment wiring harness
D125	Connection 23, in engine compartment wiring harness
*	models with auxiliary heater

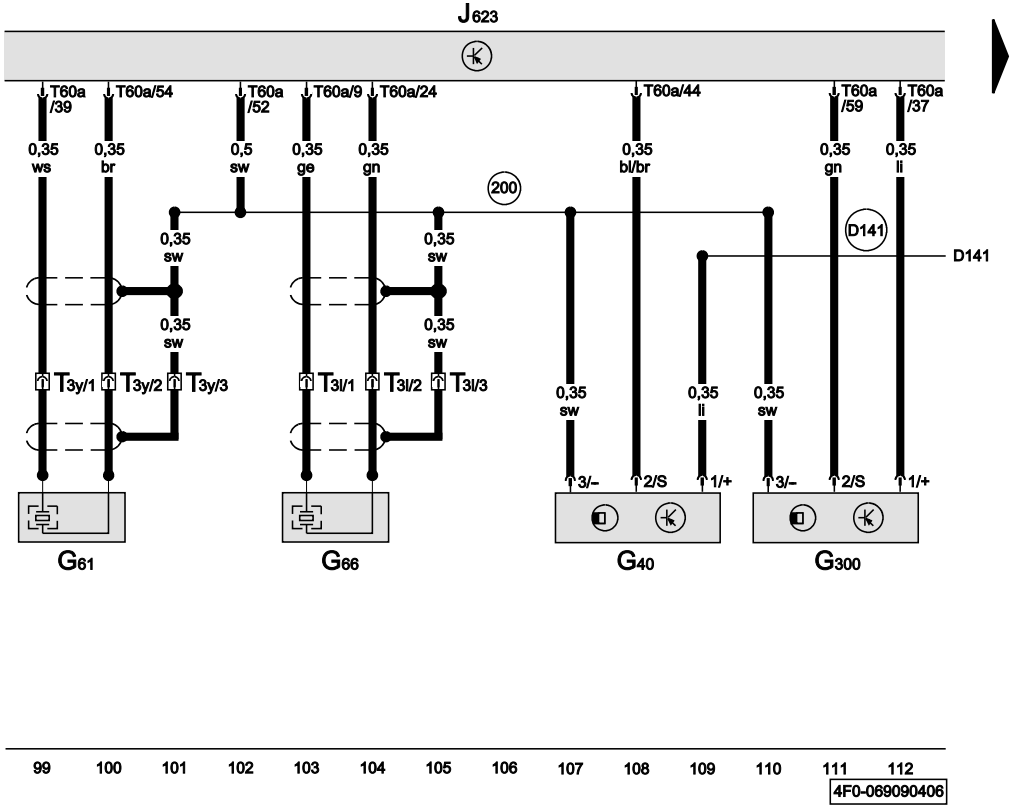
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Engine control unit, Hall sender, knock sensors

G40	Hall sender
G61	Knock sensor 1
G66	Knock sensor 2
G300	Hall sender 3
J623	Engine control unit
T3l	3-pin connector, grey, on knock sensor 2
T3y	1-pin connector, orange, on knock sensor 3
T60a	60-pin connector, black, connector A, on engine control unit
200	Earth connection (screening) in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness

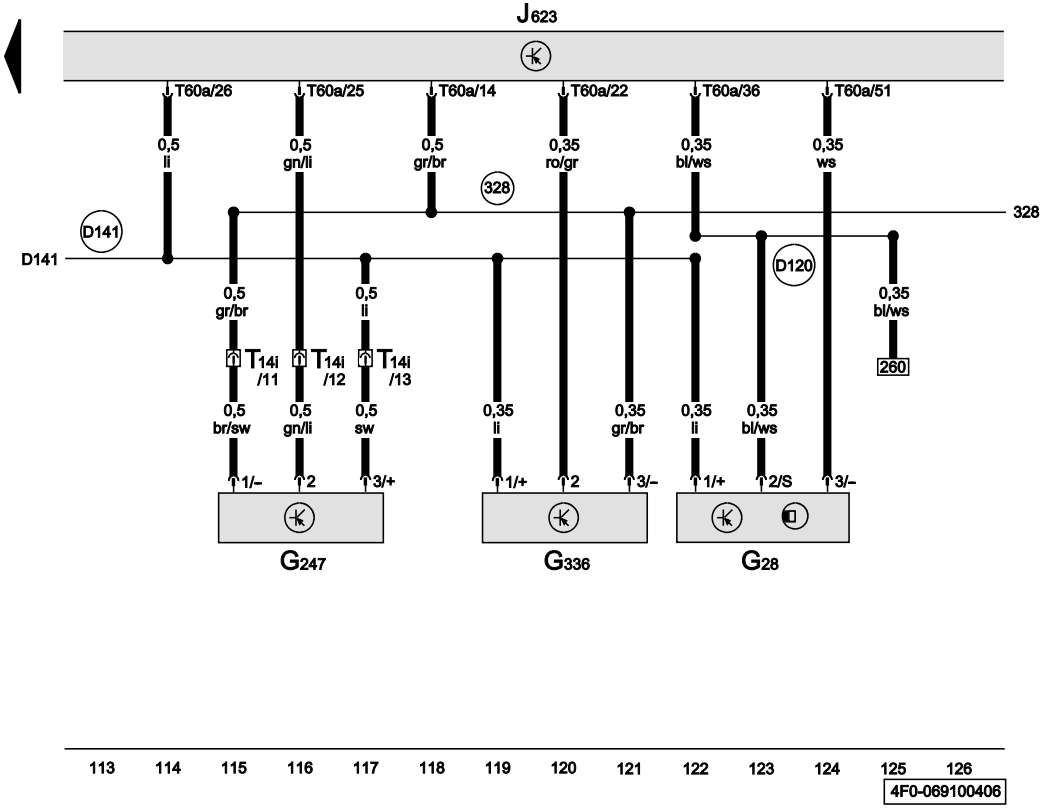


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Engine control unit, engine speed sender, fuel pressure sender, intake manifold flap potentiometer

G28	Engine speed sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
J623	Engine control unit
T14i	14-pin connector, black, on right in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness

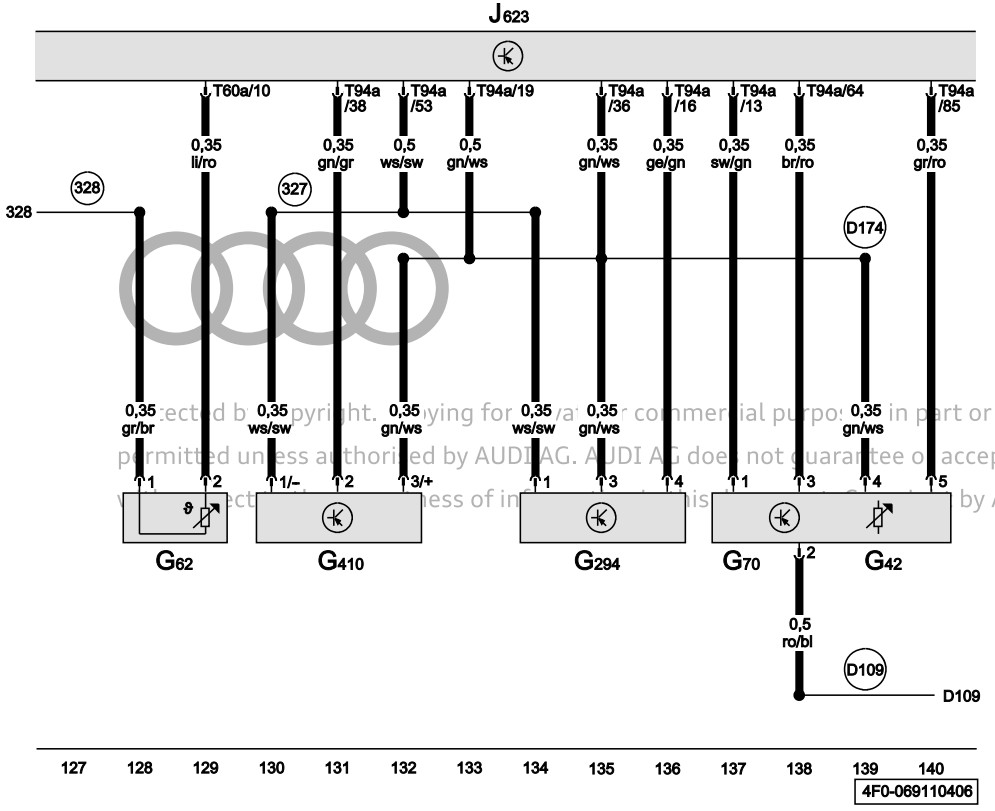
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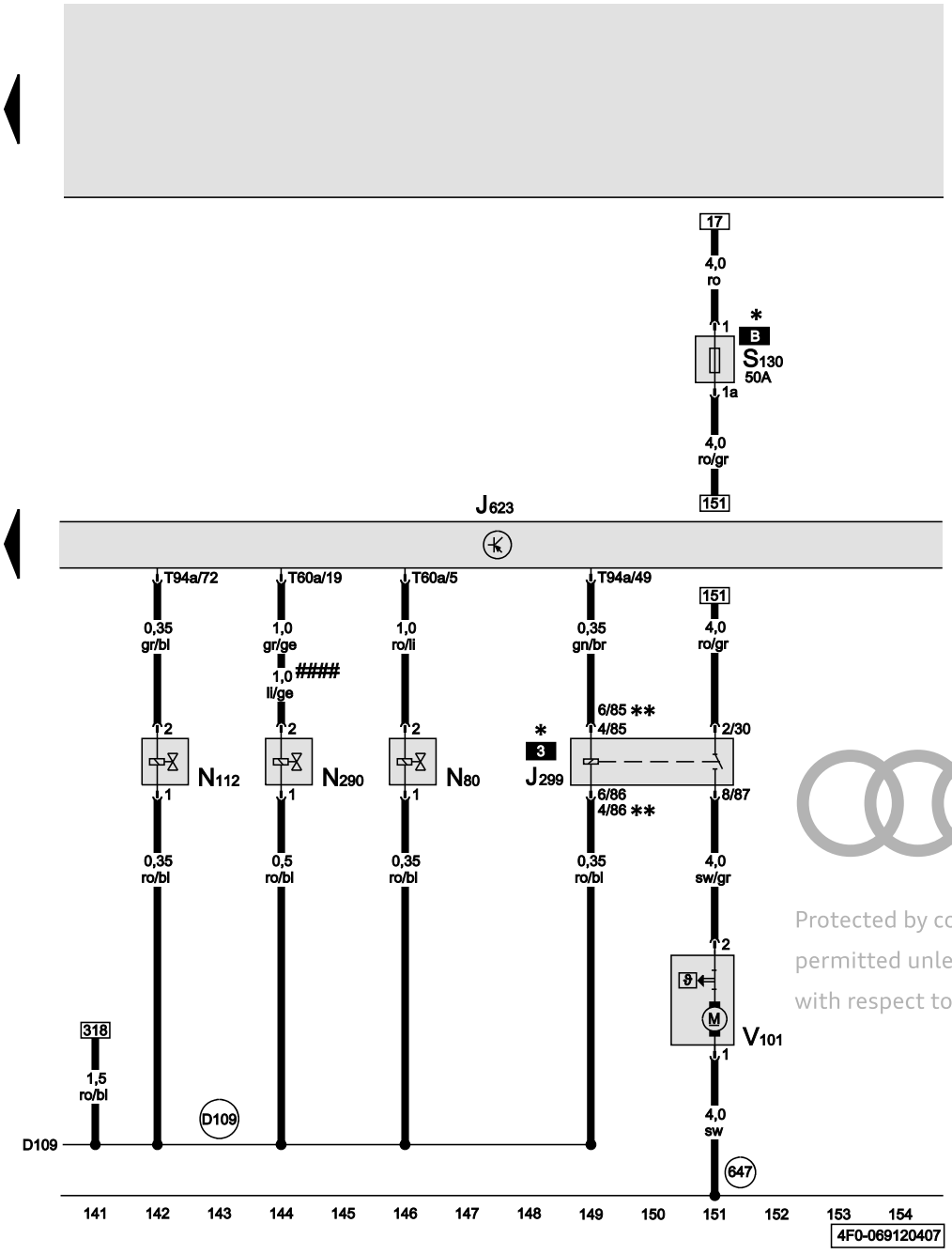
Engine control unit, coolant temperature sender, air mass meter, brake servo pressure sensor, fuel pressure sender for low pressure, intake air temperature sender

G42	Intake air temperature sender
G62	Coolant temperature sender
G70	Air mass meter
G294	Brake servo pressure sensor
G410	Fuel pressure sender for low pressure
J623	Engine control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness
D174	Connection 2 (5V), in engine wiring harness



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Engine control unit, active charcoal filter system solenoid valve 1, secondary air inlet valve, fuel metering valve, secondary air pump relay, secondary air pump motor

J299	Secondary air pump relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N290	Fuel metering valve
S130	Secondary air pump fuse
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V101	Secondary air pump motor
647	Earth point 3, on bulkhead
D109	Connection 7, in engine compartment wiring harness
*	Relay carrier electronics box on right in plenum chamber
**	from June 2007
####	right-hand drive

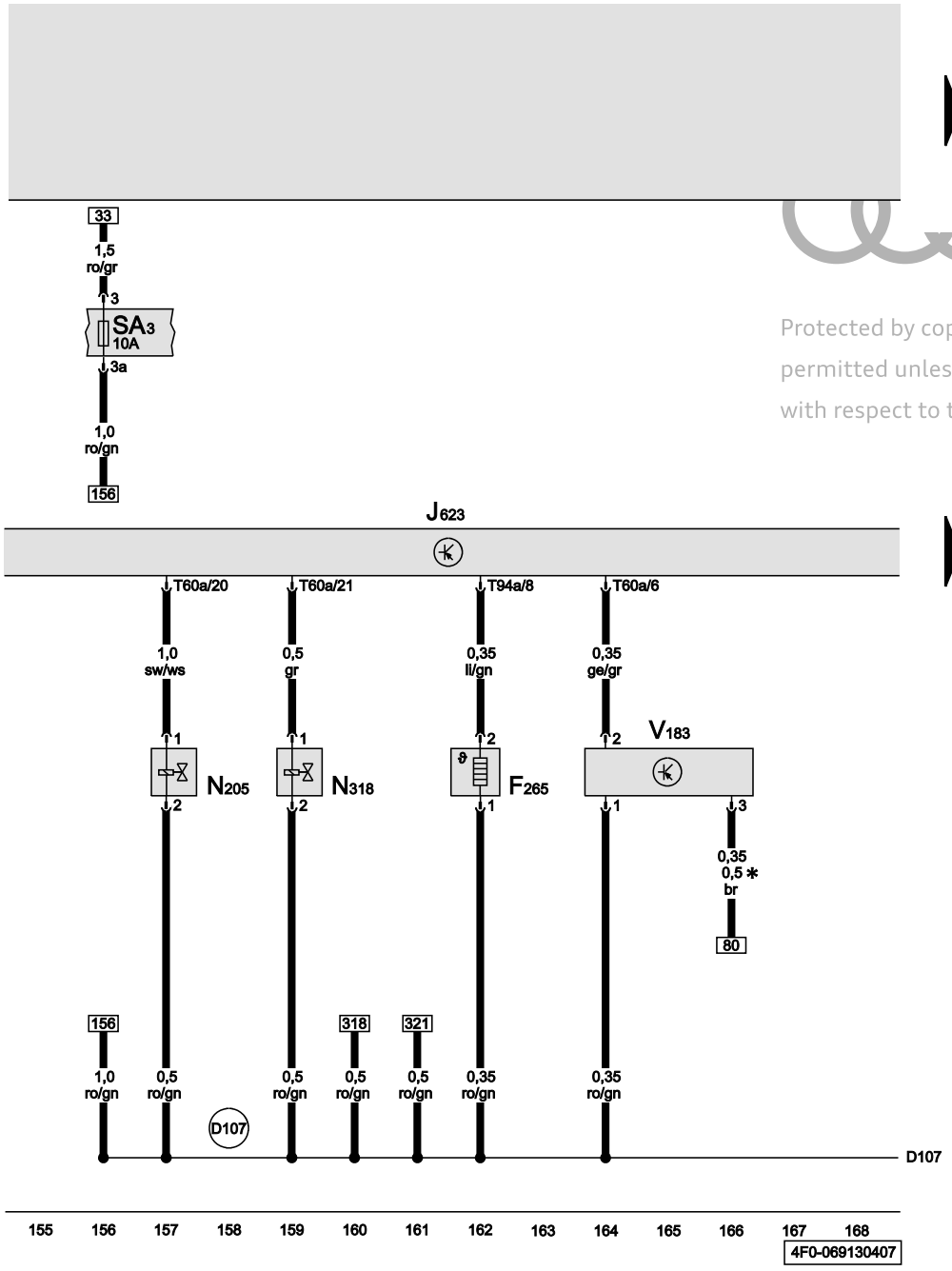
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Engine control unit, map-controlled engine cooling system thermostat, inlet camshaft control valve 1, exhaust camshaft control valve 1, variable intake manifold motor

F265	Map-controlled engine cooling system thermostat
J623	Engine control unit
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
SA3	Fuse 3 on fuse holder A
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V183	Variable intake manifold motor
D107	Connection 5, in engine compartment wiring harness
*	from June 2007

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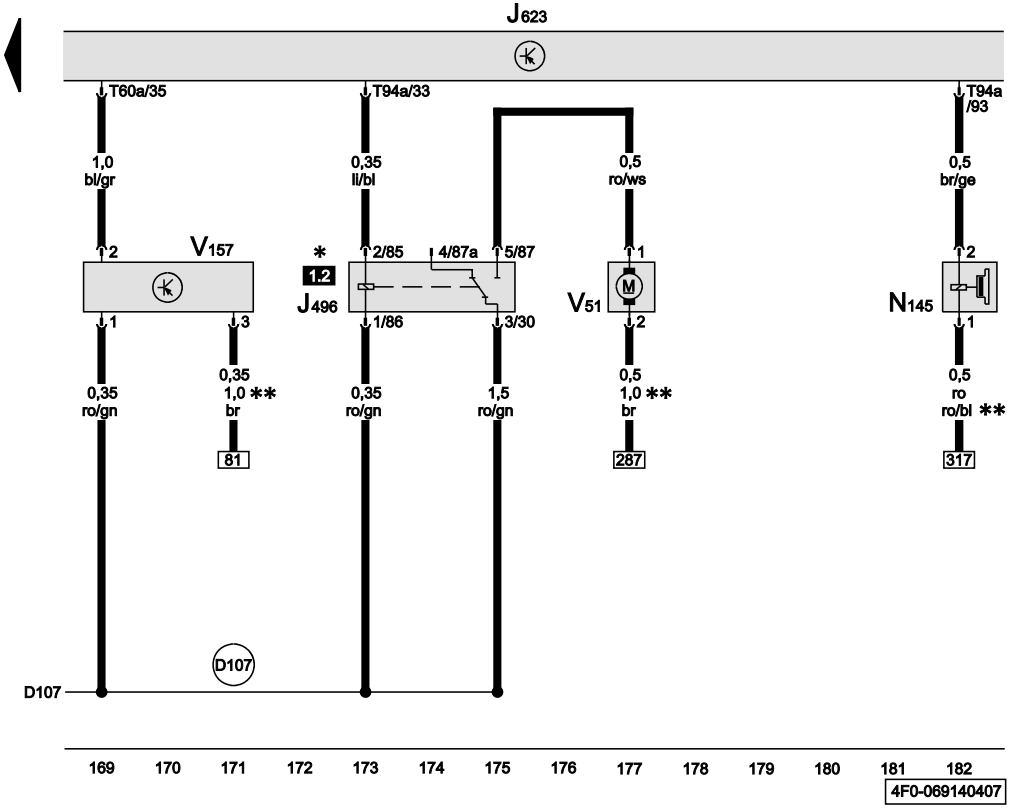


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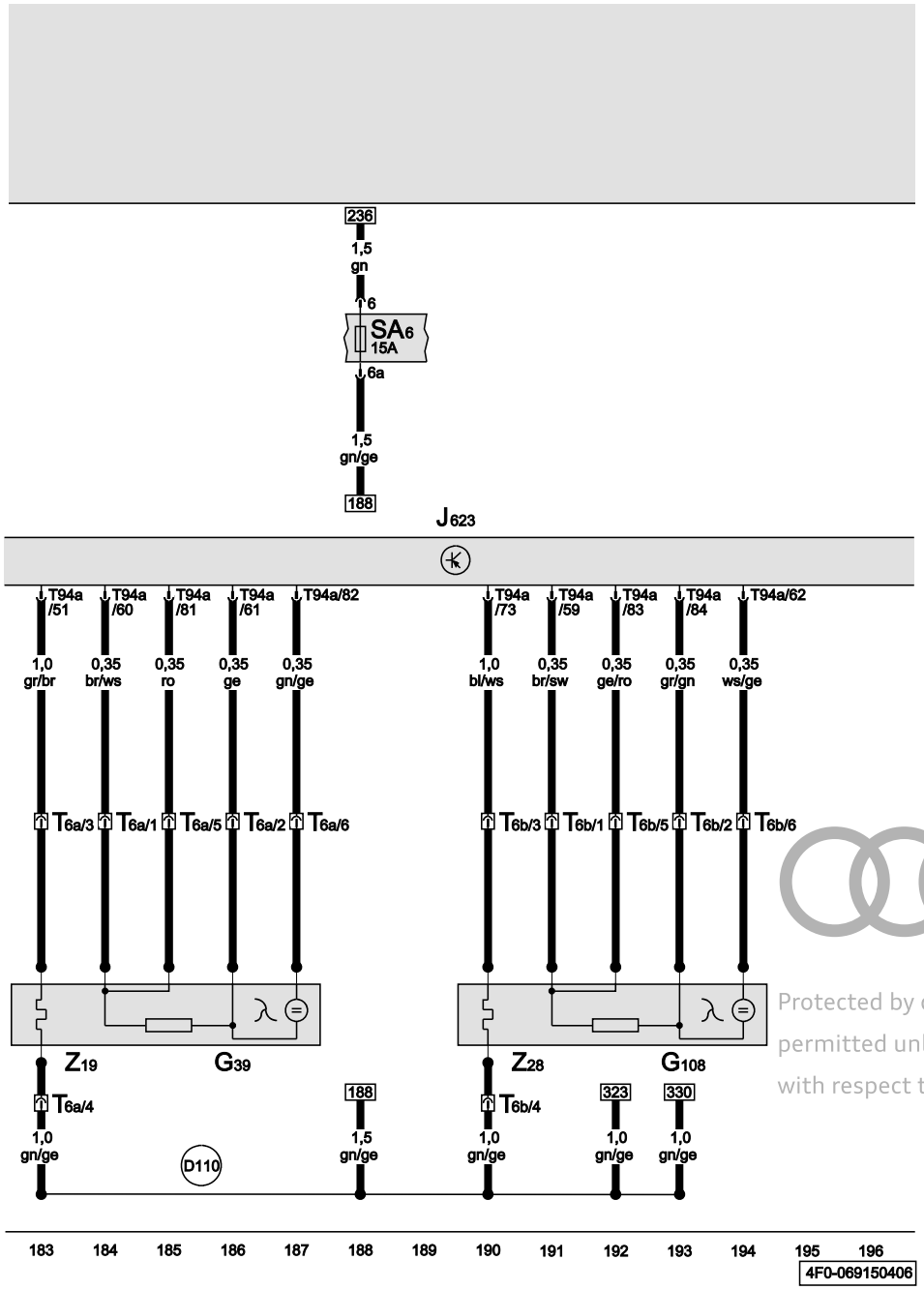
Engine control unit, additional coolant pump relay, continued coolant circulation pump, right electrohydraulic engine mounting solenoid valve, intake manifold flap motor

J496	Additional coolant pump relay
J623	Engine control unit
N145	Right electrohydraulic engine mounting solenoid valve
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V51	Continued coolant circulation pump
V157	Intake manifold flap motor
D107	Connection 5, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	from June 2007

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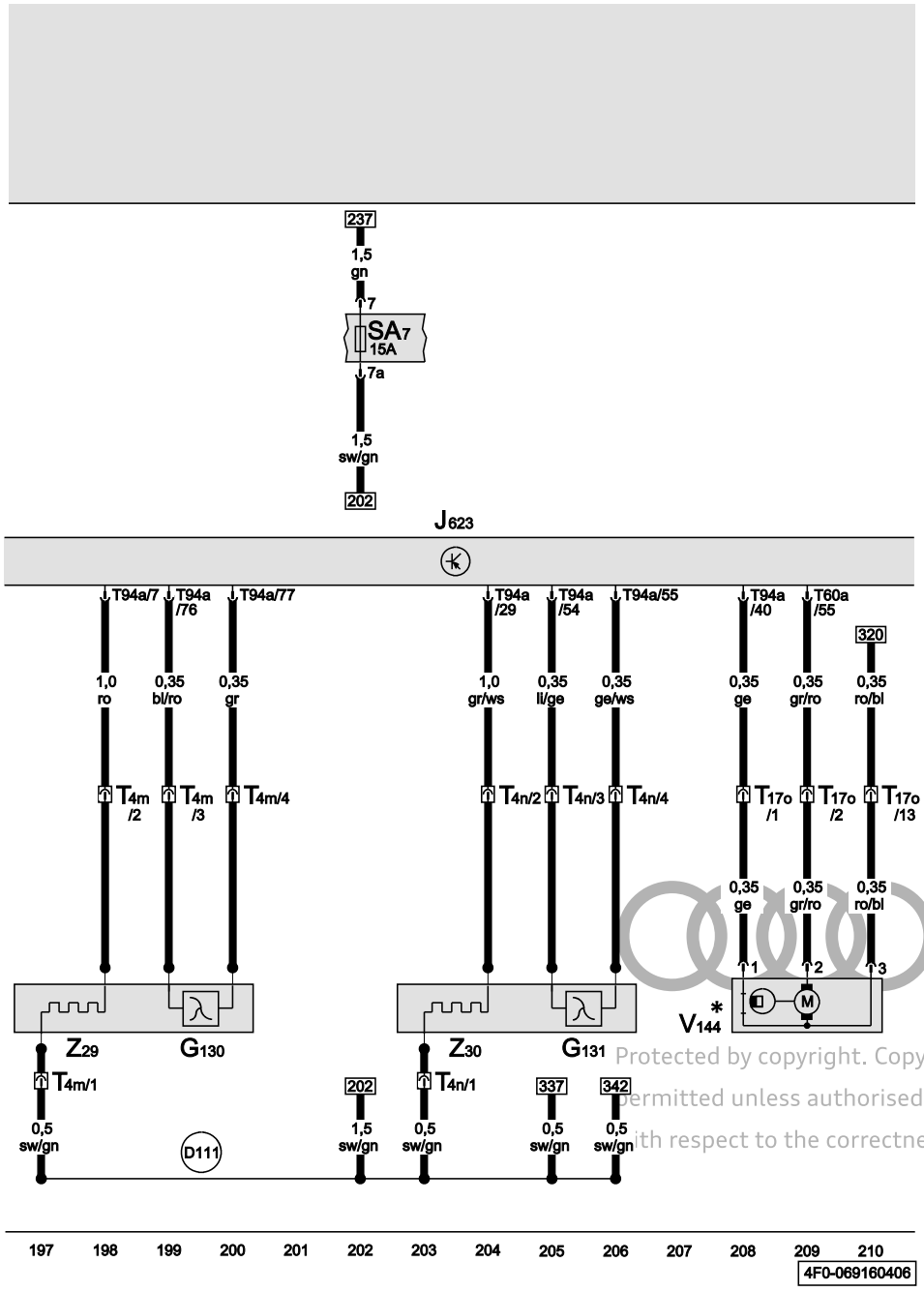


Engine control unit, lambda probe, lambda probe heater

G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, for lambda probe
T6b	6-pin connector, black, for lambda probe 2
T94a	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D110	Connection 8, in engine compartment wiring harness

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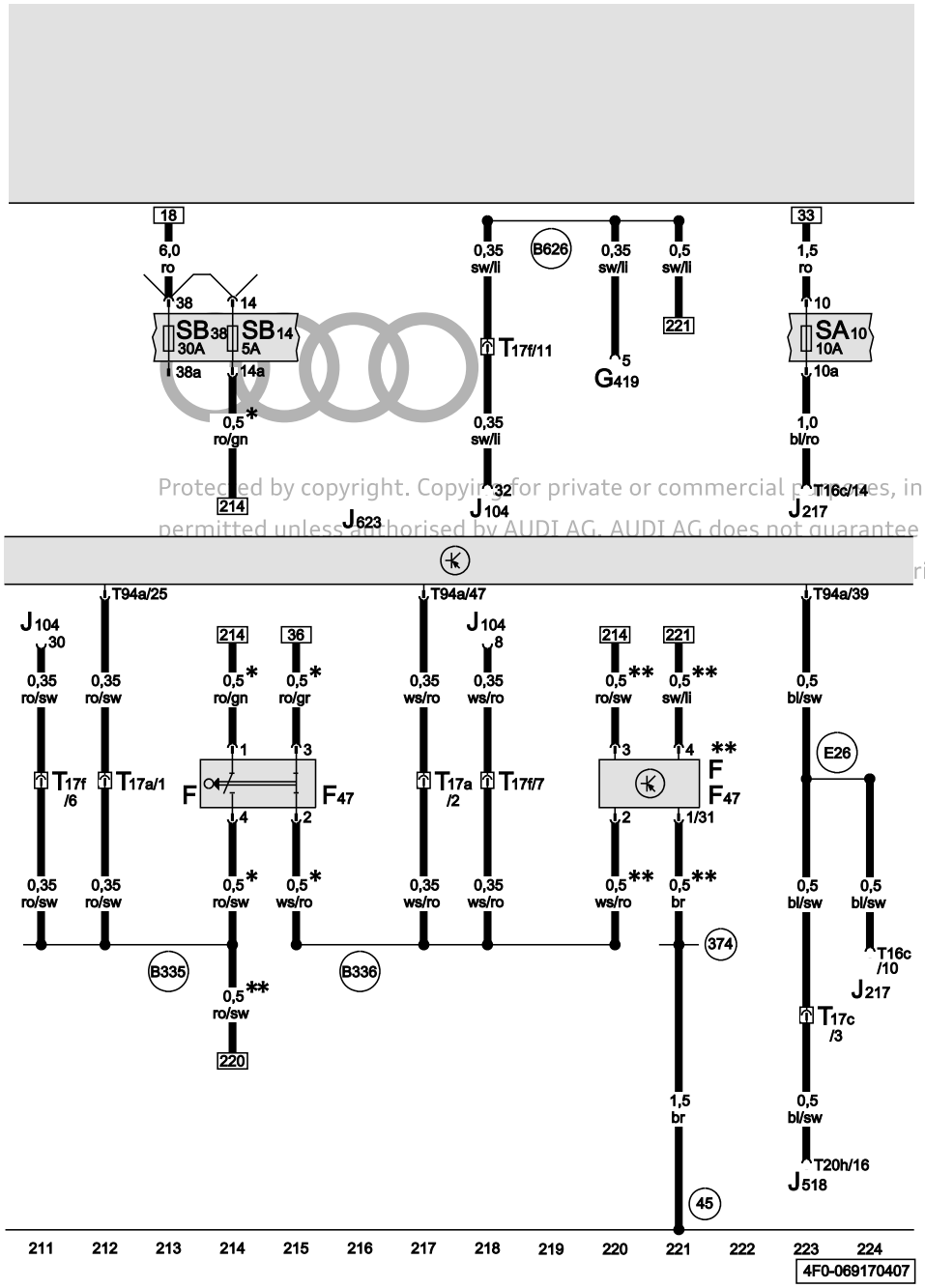


Engine control unit, lambda probe after catalytic converter, lambda probe heater after catalytic converter, fuel system diagnostic pump

G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SA7	Fuse 7 on fuse holder A
T4m	4-pin connector, brown, for lambda probe after catalytic converter
T4n	4-pin connector, black, for lambda probe 2 after catalytic converter
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V144	Fuel system diagnostic pump
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D111	Connection 9, in engine compartment wiring harness
*	models with fuel system diagnostic pump

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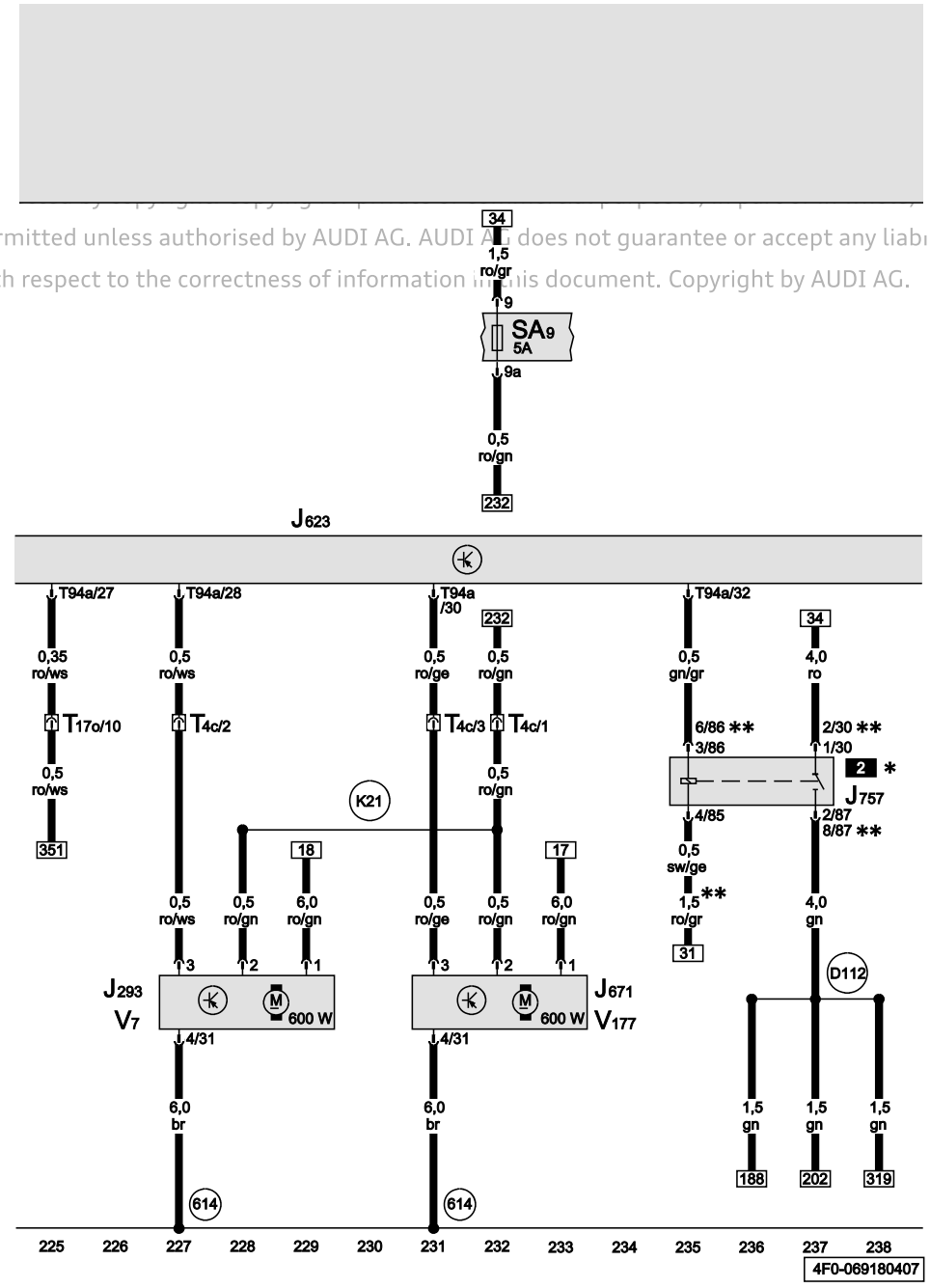
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Engine control unit, brake light switchbrake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
SA10	Fuse 10 on fuse holder A
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
E26	Connection (selector position P/N), in Motronic wiring harness
*	up to May 2007
**	from June 2007

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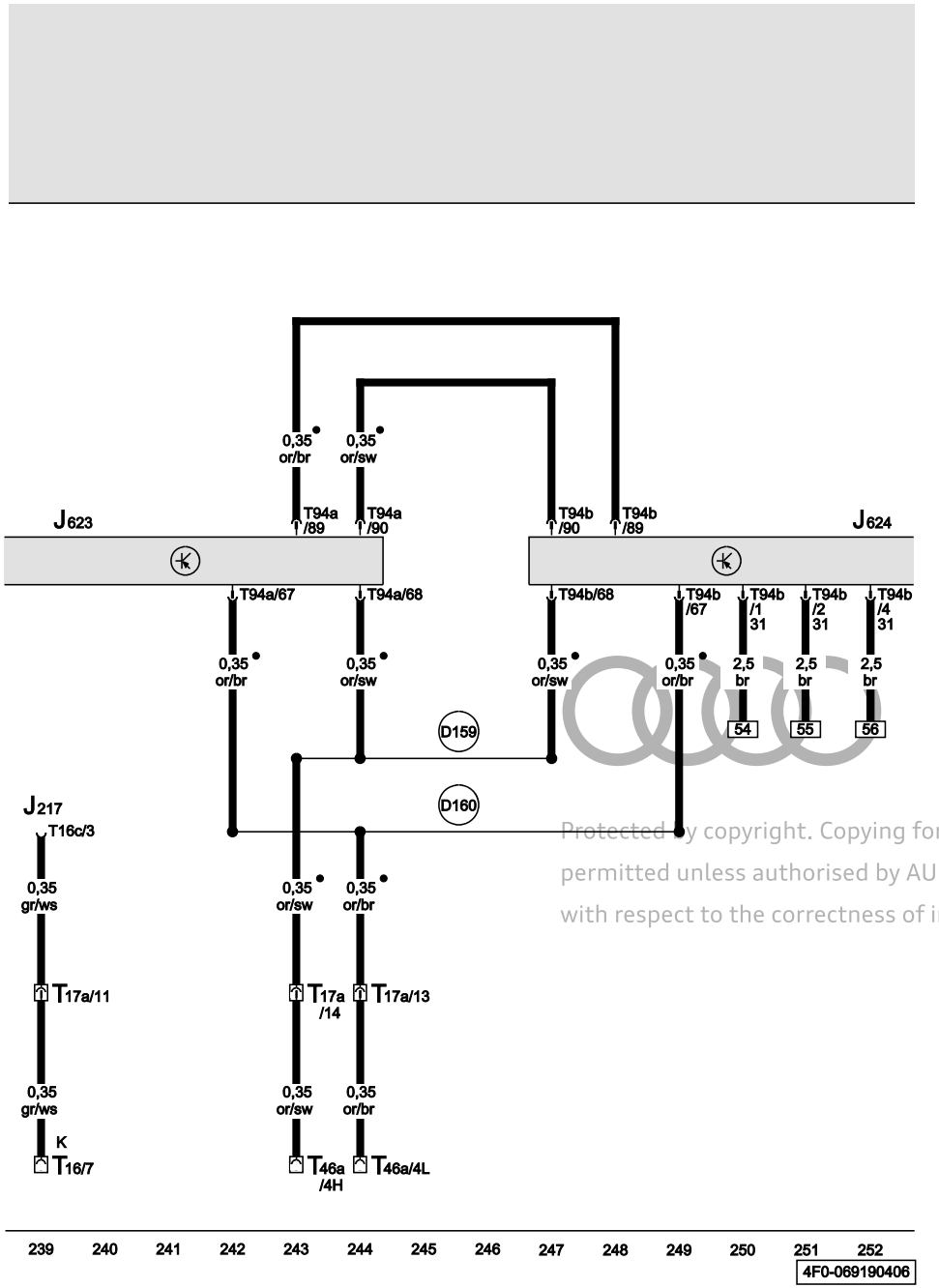
Engine control unit, engine component current supply relay, radiator fan control unit, radiator fan

J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
J757	Engine component current supply relay
SA9	Fuse 9 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
D112	Connection 10, in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Relay carrier electronics box left in plenum chamber
**	from June 2007

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Engine control unit, engine control unit 2, CAN bus wiring

J217	Automatic gearbox control unit
J623	Engine control unit
J624	Engine control unit 2
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN separating connector left
T94a	94-pin connector, black, connector B, on engine control unit
T94b	94-pin connector, black, connector B, on engine control unit 2
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
•	CAN bus (data wire)

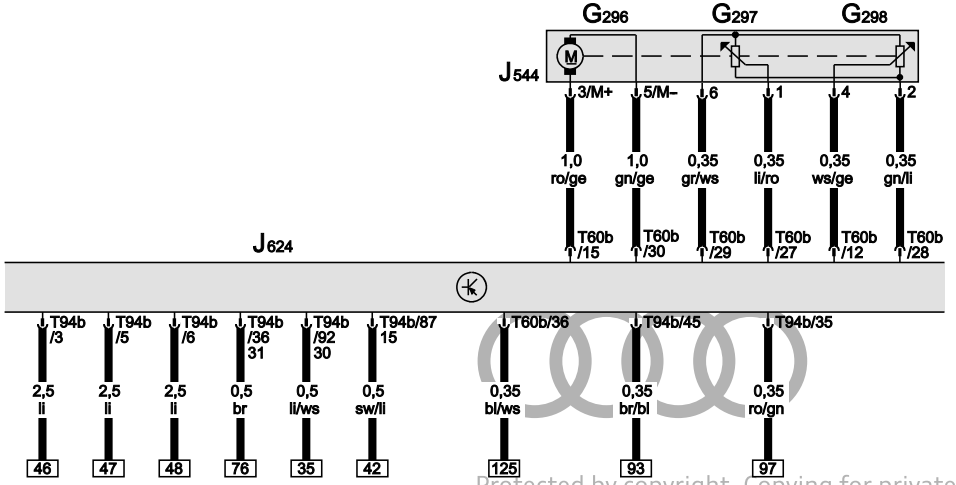


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Engine control unit 2, throttle valve module 2

G296	Throttle valve drive 2
G297	Angle sender 1 for throttle valve drive 2
G298	Angle sender 2 for throttle valve drive 2
J544	Throttle valve module 2
J624	Engine control unit 2
T60b	60-pin connector, black, connector A, on engine control unit 2
T94b	94-pin connector, black, connector B, on engine control unit 2

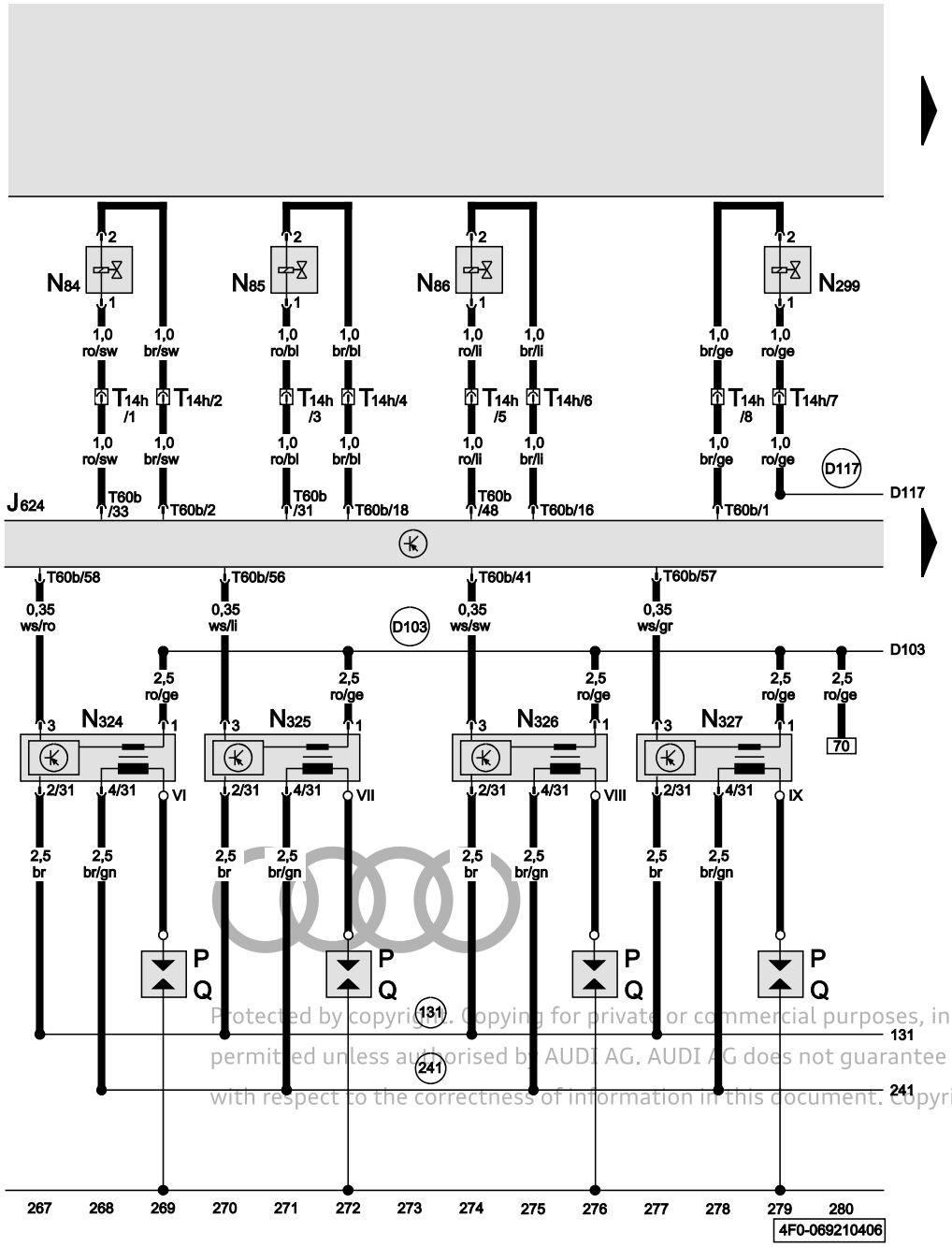


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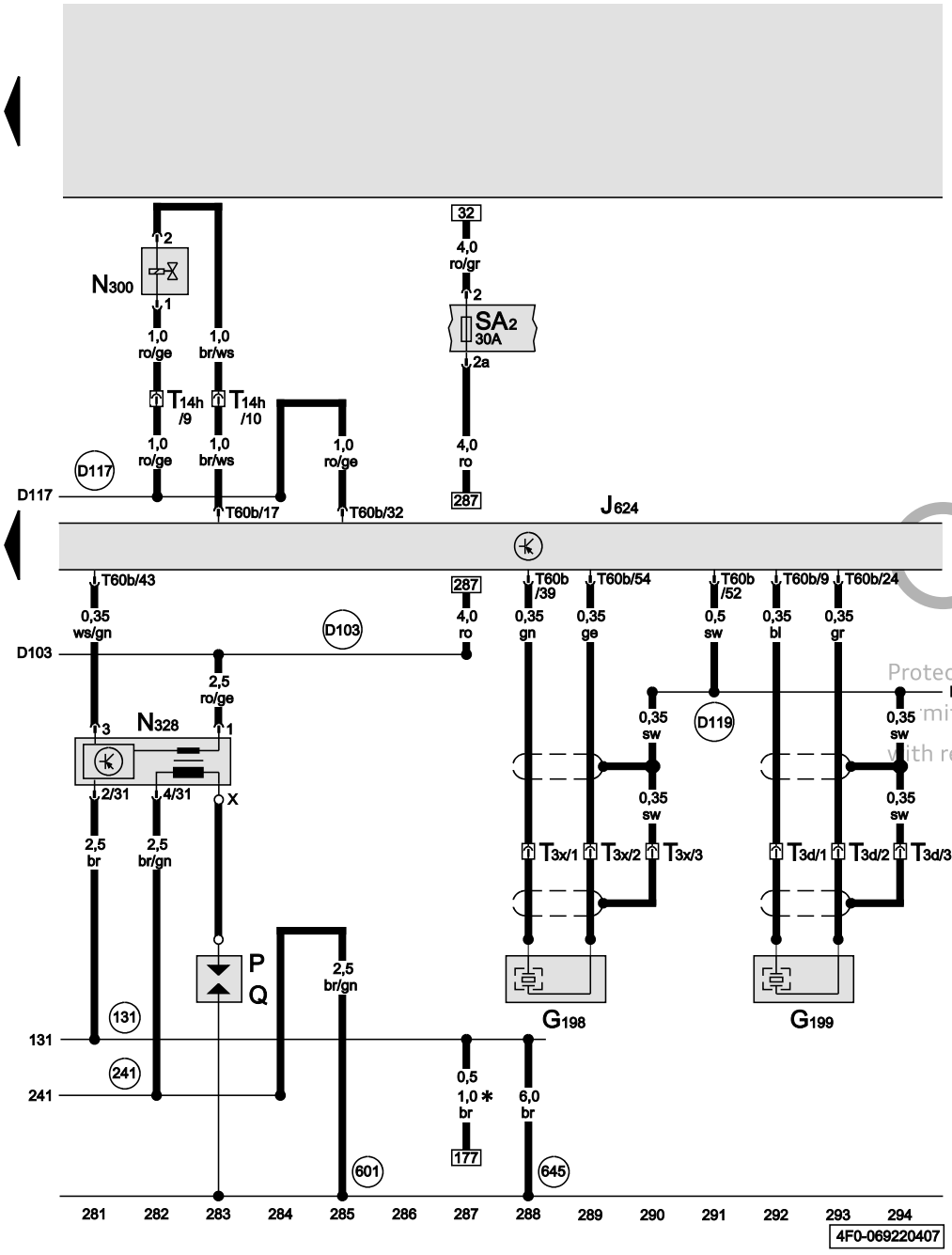
Engine control unit 2, injectors cylinder 6 up to 9, ignition coils 6 up to 9 with output stage

J624	Engine control unit 2
N84	Injector, cylinder 6
N85	Injector, cylinder 7
N86	Injector, cylinder 8
N299	Injector, cylinder 9
N324	Ignition coil 6 with output stage
N325	Ignition coil 7 with output stage
N326	Ignition coil 8 with output stage
N327	Ignition coil 9 with output stage
P	Spark plug connector
Q	Spark plugs
T14h	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
131	Earth connection 2, in engine compartment wiring harness
241	Earth connection 2 engine earth, in engine wiring harness
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness

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Engine control unit 2, injector, cylinder 10, ignition coil 10 with output stage, knock sensors



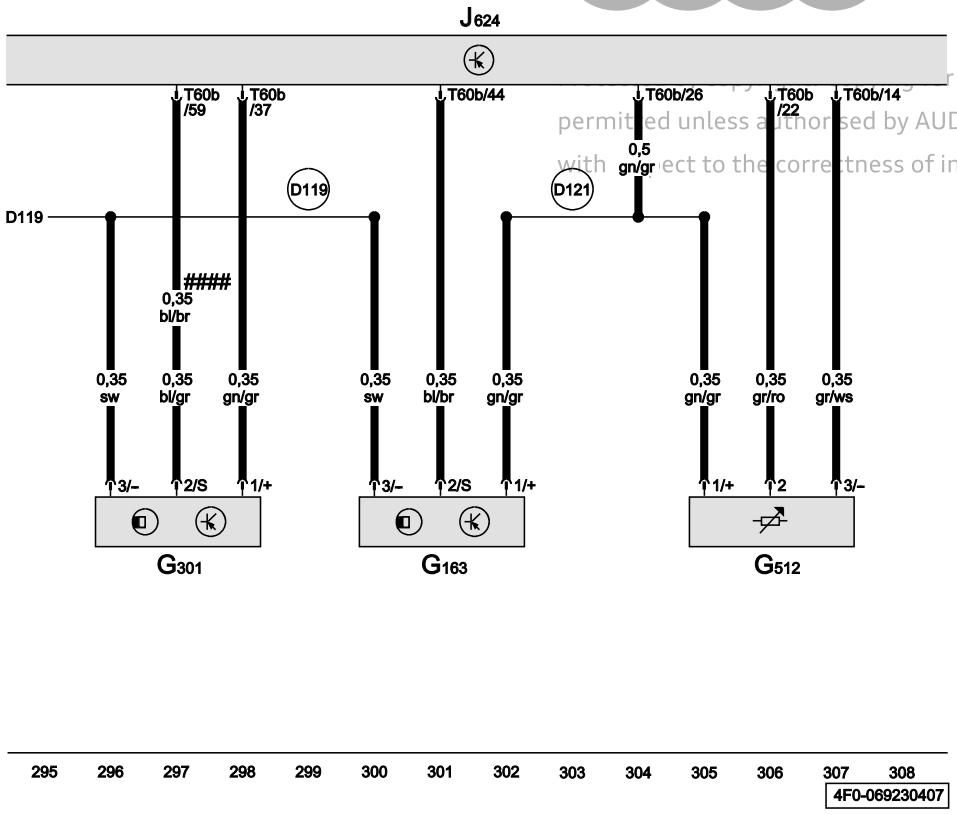
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G198	Knock sensor 3
G199	Knock sensor 4
J624	Engine control unit 2
N300	Injector, cylinder 10
N328	Ignition coil 10 with output stage
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T3d	3-pin connector, blue, on knock sensor 4
T3x	3-pin connector, white, on knock sensor 3
T14h	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
131	Earth connection 2, in engine compartment wiring harness
241	Earth connection 2 engine earth, in engine wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
D119	Connection 17, in engine compartment wiring harness
*	from June 2007

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Engine control unit 2, Hall sender, intake manifold flap potentiometer 2

G163	Hall sender 2
G301	Hall sender 4
G512	Intake manifold flap 2 potentiometer
J624	Engine control unit 2
T60b	60-pin connector, black, connector A, on engine control unit 2
D119	Connection 17, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness
####	right-hand drive



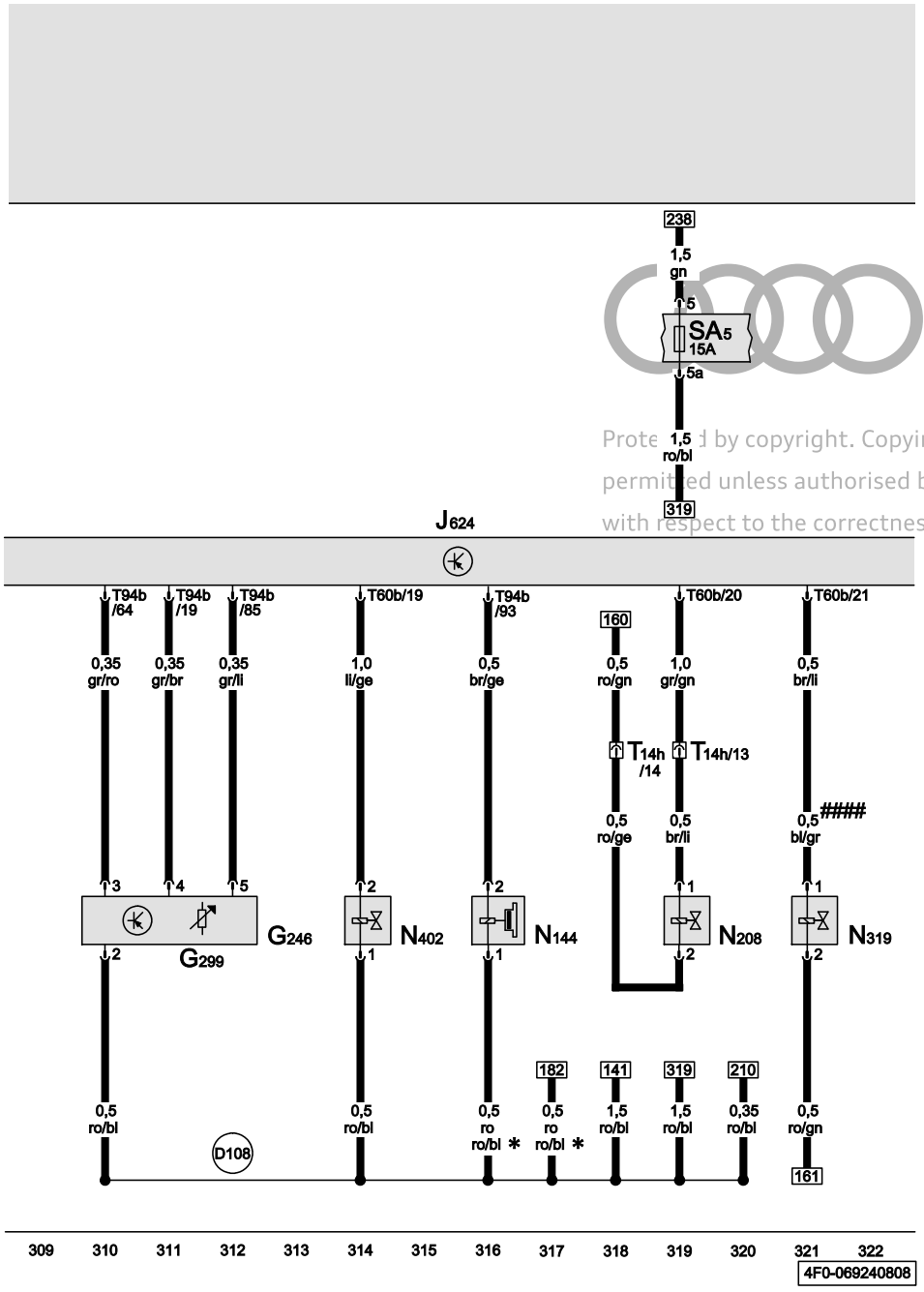
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Engine control unit 2, air mass meter 2, left electrohydraulic engine mounting solenoid valve, inlet camshaft control valve 2, exhaust camshaft control valve 2, fuel metering valve 2

G246	Air mass meter 2
G299	Intake air temperature sender 2
J624	Engine control unit 2
N144	Left electrohydraulic engine mounting solenoid valve
N208	Inlet camshaft control valve 2
N319	Exhaust camshaft control valve 2
N402	Fuel metering valve 2
SA5	Fuse 5 on fuse holder A
T14h	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
T94b	94-pin connector, black, connector B, on engine control unit 2
D108	Connection 6, in engine compartment wiring harness
*	from June 2007
####	right-hand drive

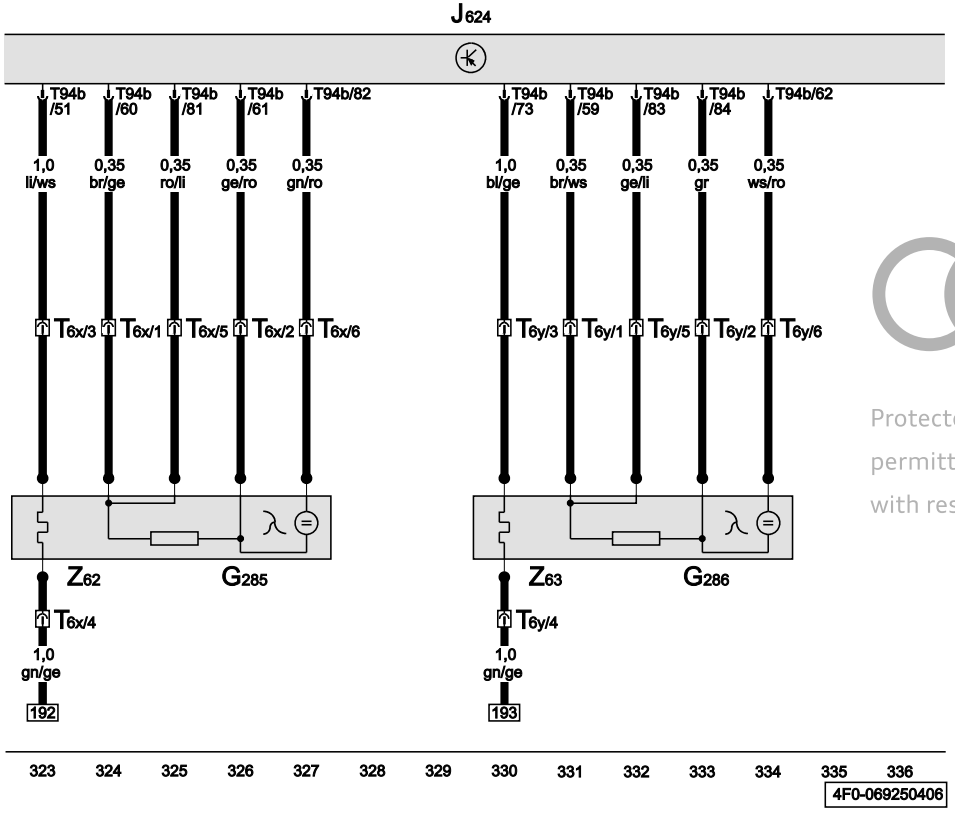
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bl	=	blue
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li	=	purple
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rs	=	pink

Engine control unit 2, lambda probe 3 and 4, lambda probe 3 and 4 heater

G285	Lambda probe 3
G286	Lambda probe 4
J624	Engine control unit 2
T6x	6-pin connector, black, for lambda probe 3
T6y	6-pin connector, black, for lambda probe 4
T94b	94-pin connector, black, connector B, on engine control unit 2
Z62	Lambda probe 3 heater
Z63	Lambda probe 4 heater



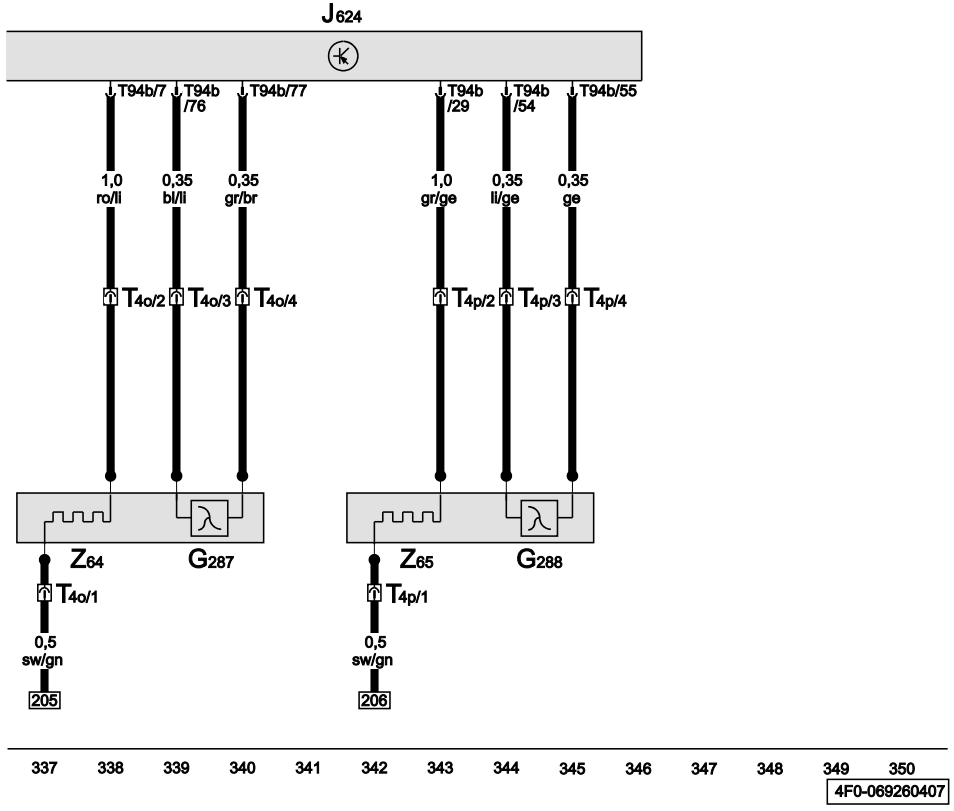
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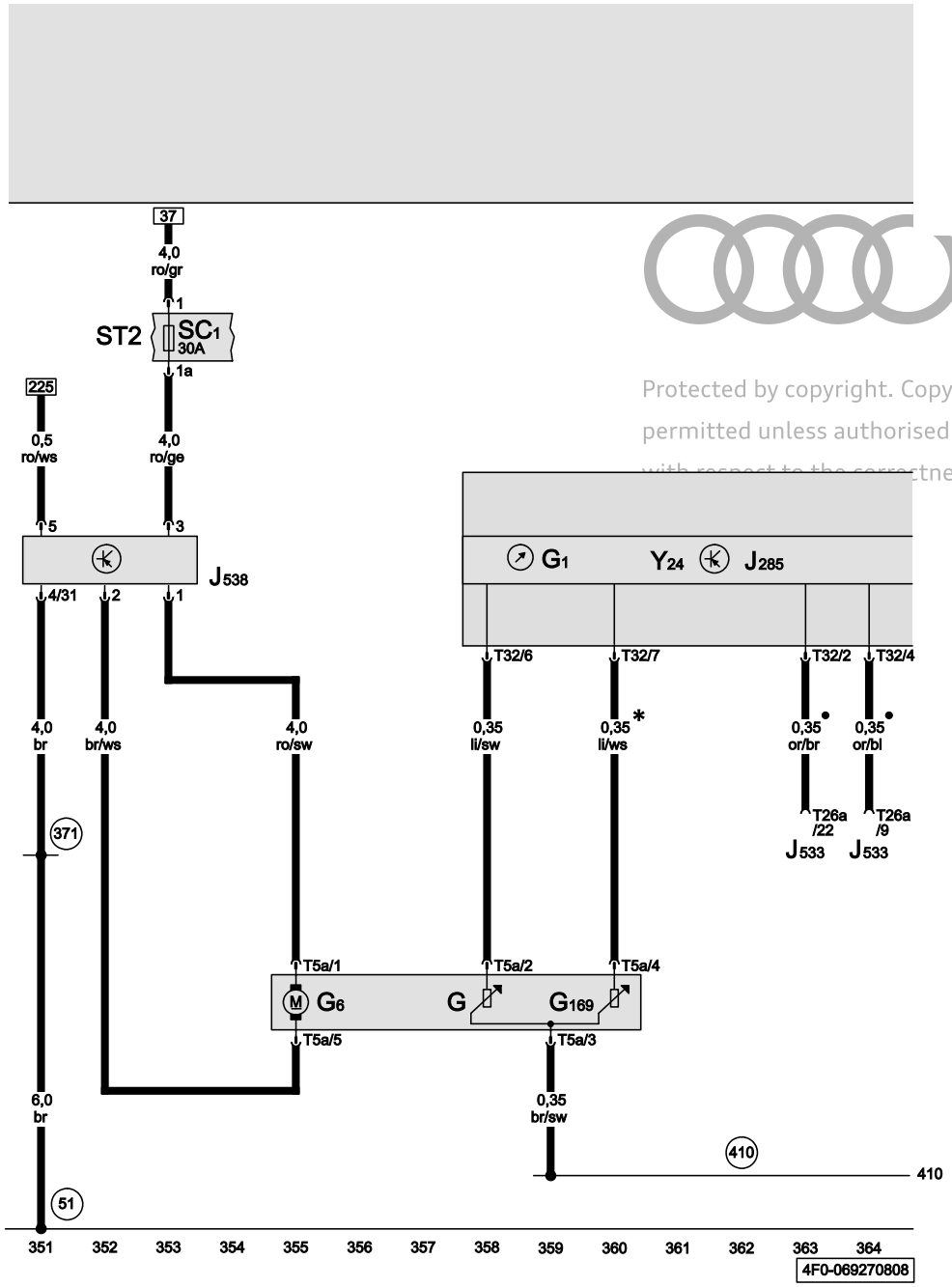
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Engine control unit 2, lambda probe 3 and 4 after catalytic converter, lambda probe 3 and 4 heater after catalytic converter

G287	Lambda probe 3 after catalytic converter
G288	Lambda probe 4 after catalytic converter
J624	Engine control unit 2
T4o	4-pin connector, black, for lambda probe 3 after catalytic converter
T4p	4-pin connector, grey, for lambda probe 4 after catalytic converter
T94b	94-pin connector, black, connector B, on engine control unit 2
Z64	Lambda probe 3 heater after catalytic converter
Z65	Lambda probe 4 heater after catalytic converter



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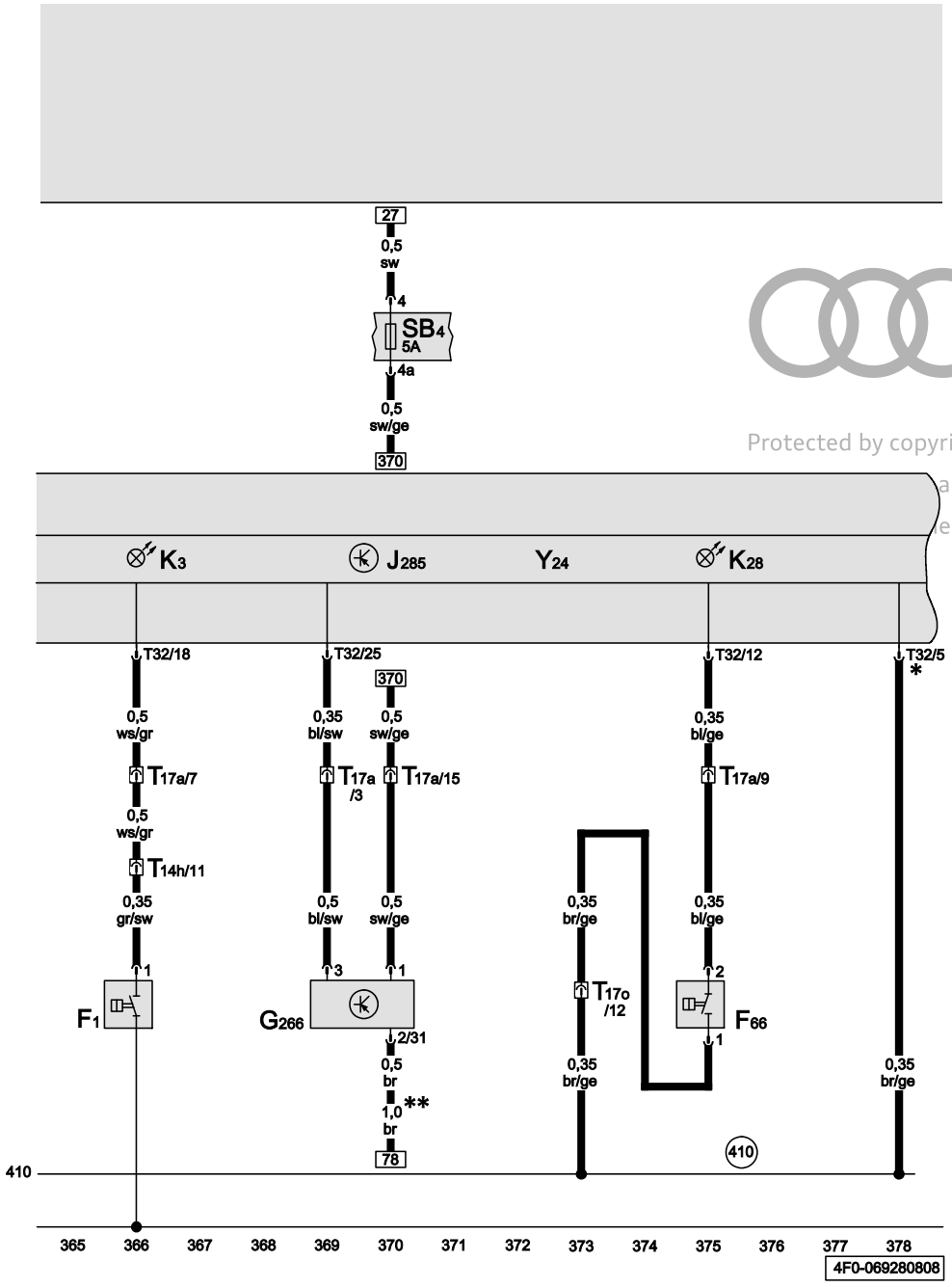
Fuel pump control unit, control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sender, fuel gauge, fuel gauge sender 2

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J538	Fuel pump control unit
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive

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Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil level and oil temperature sender, oil pressure switch, coolant shortage indicator switch

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T14h	14-pin connector, brown, in left engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth
**	from June 2007



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Automatic gearbox 09L, 09E

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

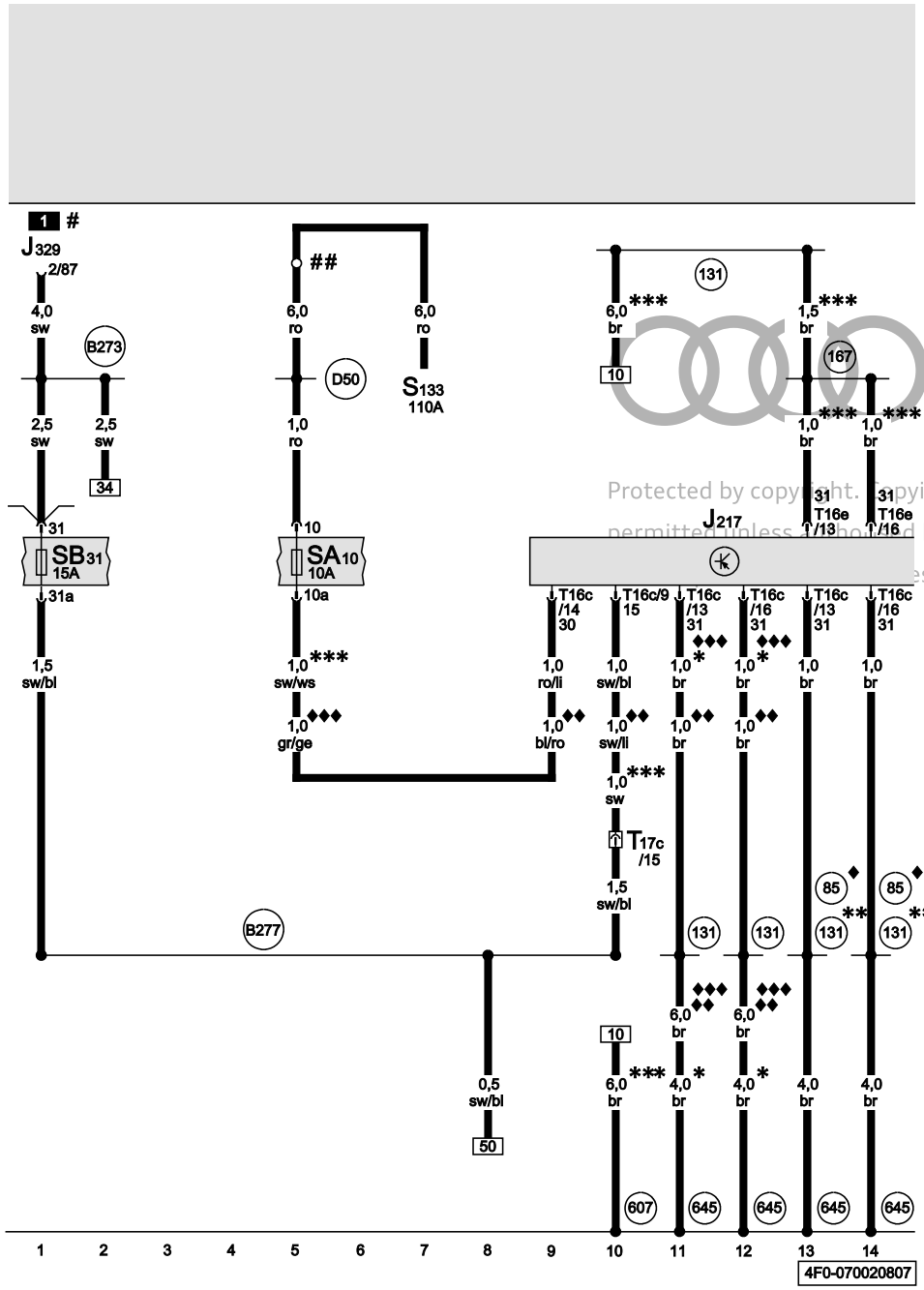
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Automatic gearbox control unit, fuses

J217 Automatic gearbox control unit
J329 Terminal 15 voltage supply relay
S133 Fuse 3
SA10 Fuse 10 on fuse holder A
SB31 Fuse 31 on fuse holder B
T16c 16-pin connector, black, on automatic gearbox control unit
T17c 17-pin connector, white, coupling station on electronics box, left in plenum chamber

85 Earth connection 1, in engine compartment wiring harness

131 Earth connection 2, in engine compartment wiring harness

167 Earth connection 4, in engine compartment wiring harness

607 Earth point, on left in plenum chamber

645 Earth point 1, on bulkhead

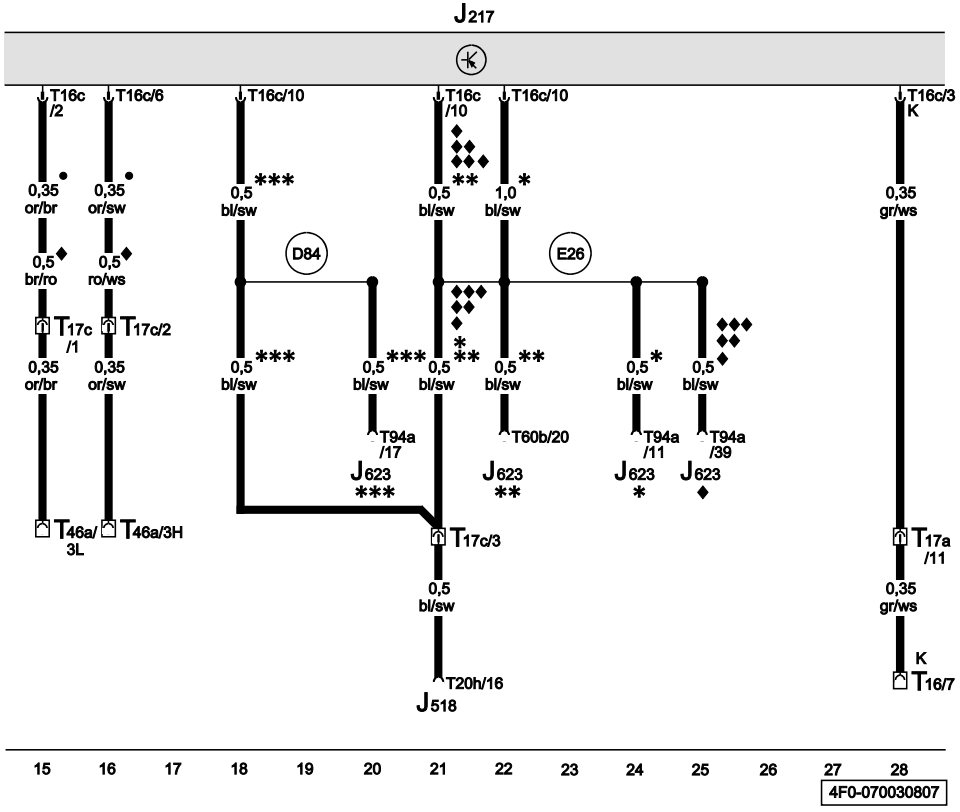
B273 Positive connection (15), in main wiring harness

B277 Positive connection 1 (15a), in main wiring harness

D50 Positive connection (30), in engine compartment wiring harness

* 3.2 l engine, engine codes AUK, BKH
2.8 l engine, engine code BDX
** 4.2 l engine, engine code BAT, BNK
*** 5.0 l Motor, engine code BUH
9-point relay carrier, behind driver storage compartment
Screw connection in electronics box left in plenum chamber
◆ 2.7 l Diesel engine, engine codes BPP, BSG
3.0 l Diesel engine, engine codes BMK, BNG
◆◆ 5.2 l engine, engine code BGS
◆◆◆ 4.2 l FSI engine, engine code BVJ

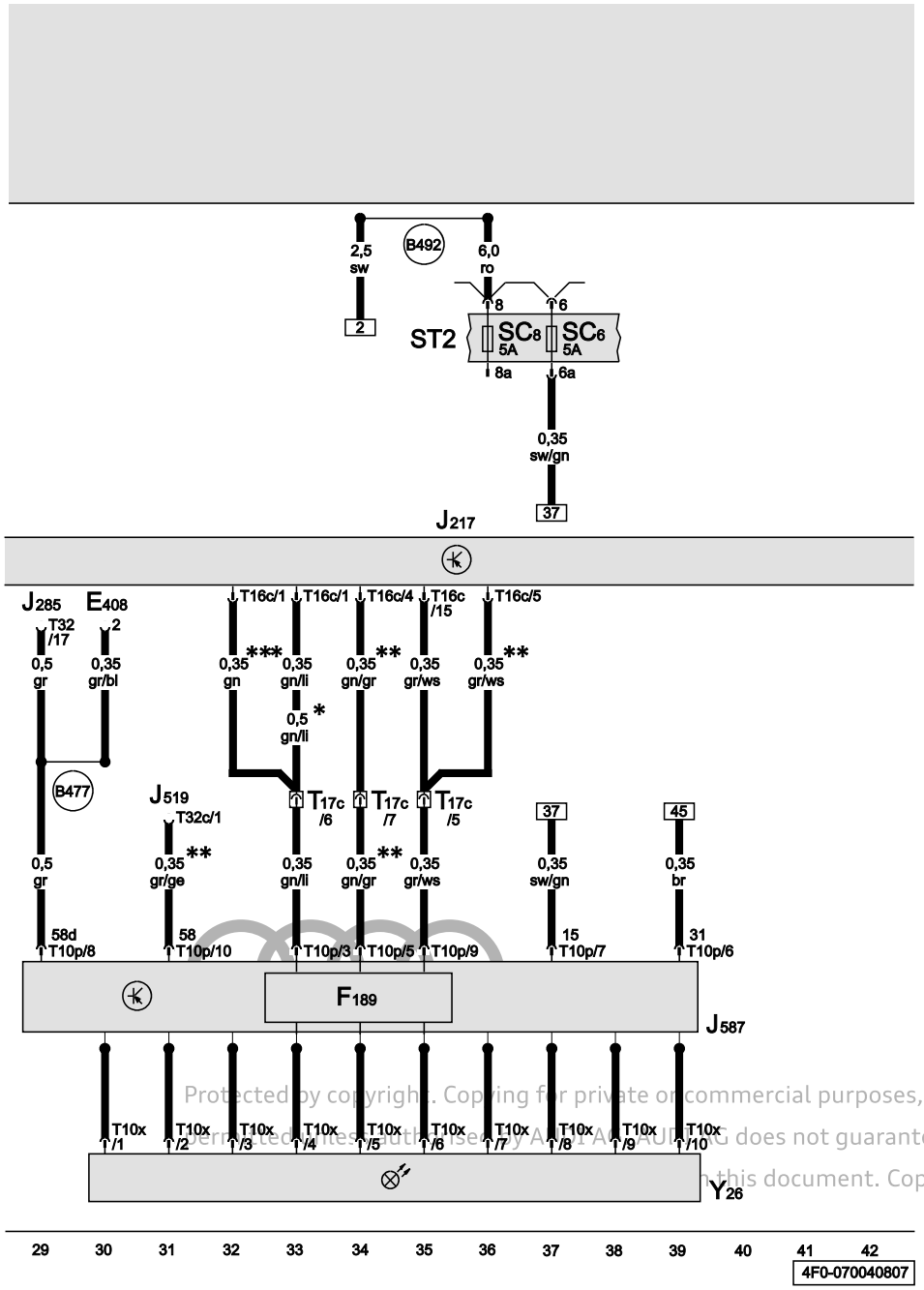
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Automatic gearbox control unit

J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN separating connector left
T60b	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
D84	Connection (automatic gearbox), in engine compartment wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
•	CAN bus (data wire)
*	3.2 l engine, engine codes AUK, BKH 2.8 l engine, engine code BDX
**	4.2 l engine, engine code BAT, BNK
***	2.7 l Diesel engine, engine codes BPP, BSG 3.0 l Diesel engine, engine codes BMK, BNG
♦	5.2 l engine, engine code BGS
♦♦	4.2 l FSI engine, engine code BVJ
♦♦♦	5.0 l Motor, engine code BUH



Automatic gearbox control unit, selector lever sensors control unit, Tiptronic switch, selector lever position display

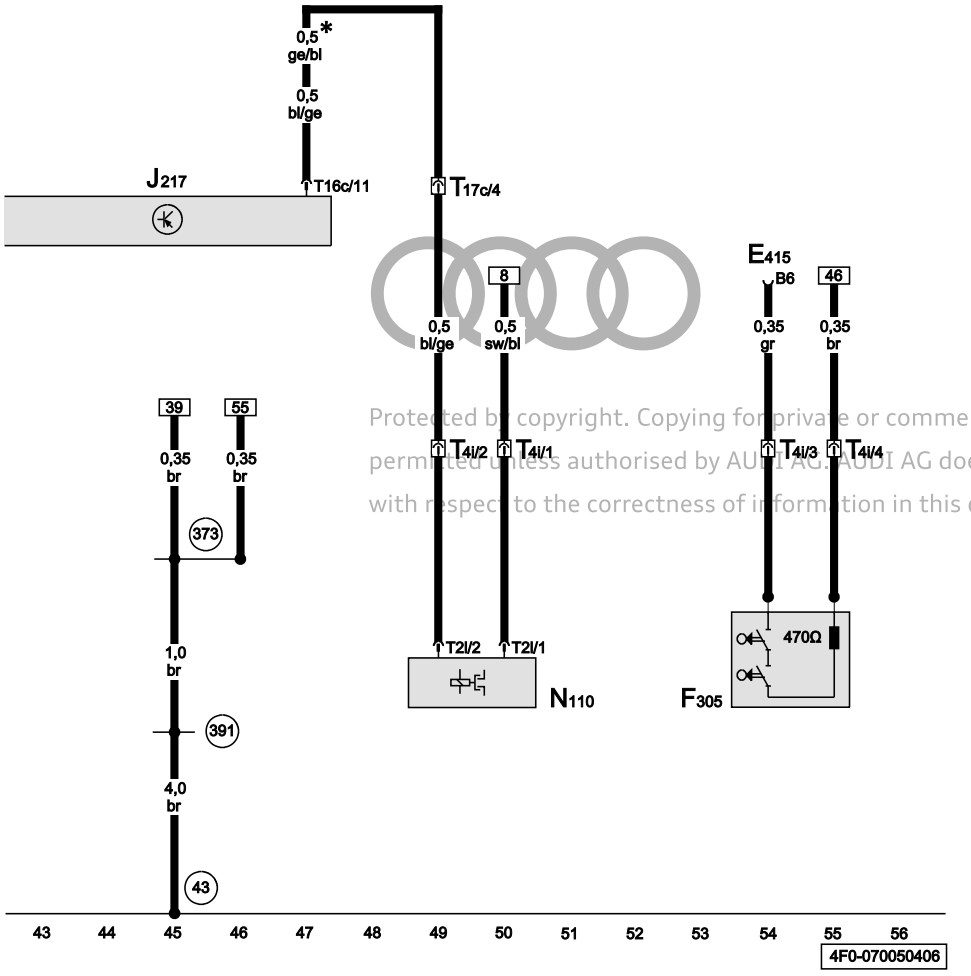
E408	Entry and start authorisation button
F189	Tiptronic switch
J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J587	Selector lever sensors control unit
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
T10p	10-pin connector, black, on selector lever sensors control unit
T10x	10-pin connector, black, in centre console on selector lever position display
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, connector C, on onboard supply control unit
Y26	Selector lever position display
B477	Connection 13 in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	5.2 l engine, engine code BGS
**	only China
***	5.0 l Motor, engine code BUH

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Automatic gearbox control unit, selector lever lock solenoid, gear selector position P switch

E415	Entry and start authorisation switch
F305	Gear selector position P switch
J217	Automatic gearbox control unit
N110	Selector lever lock solenoid
T2l	2-pin connector, black, on selector lever lock solenoid
T4i	4-pin connector, black, in centre console on selector lever console
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
*	5.2 l engine, engine code BGS



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Automatic gearbox multitronic® 01J

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

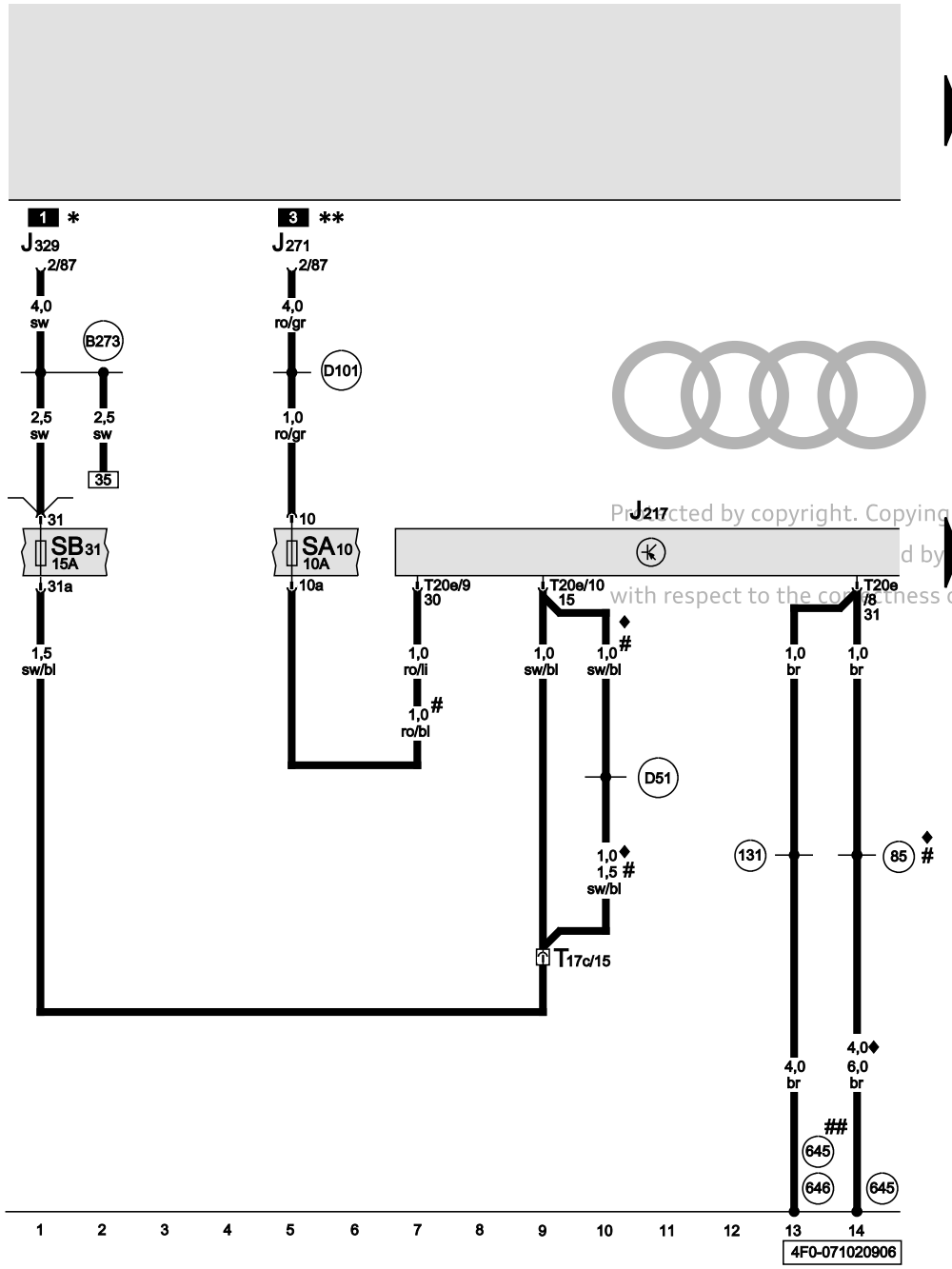
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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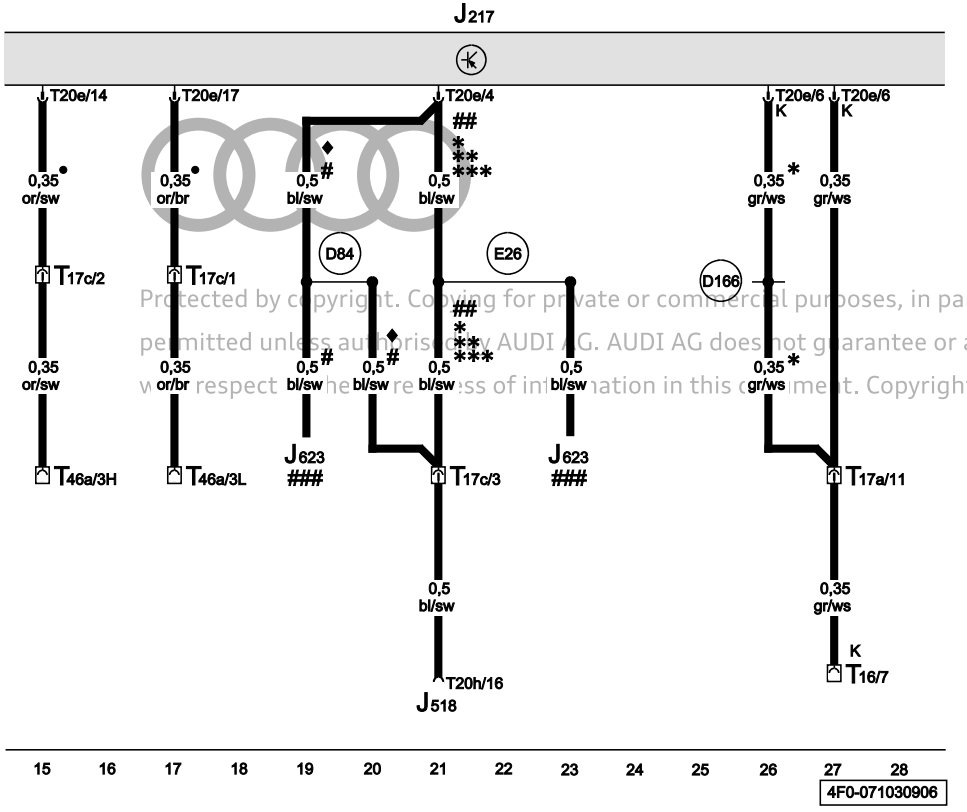


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Automatic gearbox control unit, fuses

J217	Automatic gearbox control unit
J271	Motronic current supply relay
J329	Terminal 15 voltage supply relay
SA10	Fuse 10 on fuse holder A
SB31	Fuse 31 on fuse holder B
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
B273	Positive connection (15), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	9-point relay carrier, behind driver storage compartment
**	Relay carrier electronics box left in plenum chamber
#	2.0 l Diesel engine, engine codes BLB, BNA, BRE, BRF
##	3.0 l Motor, engine code BBJ 2.0 l engine, engine code BPJ 2.8 l engine, engine code BDX 3.2 l engine, engine codes AUK, BKH
♦	2.7 l Diesel engine, engine codes BPP, BSG

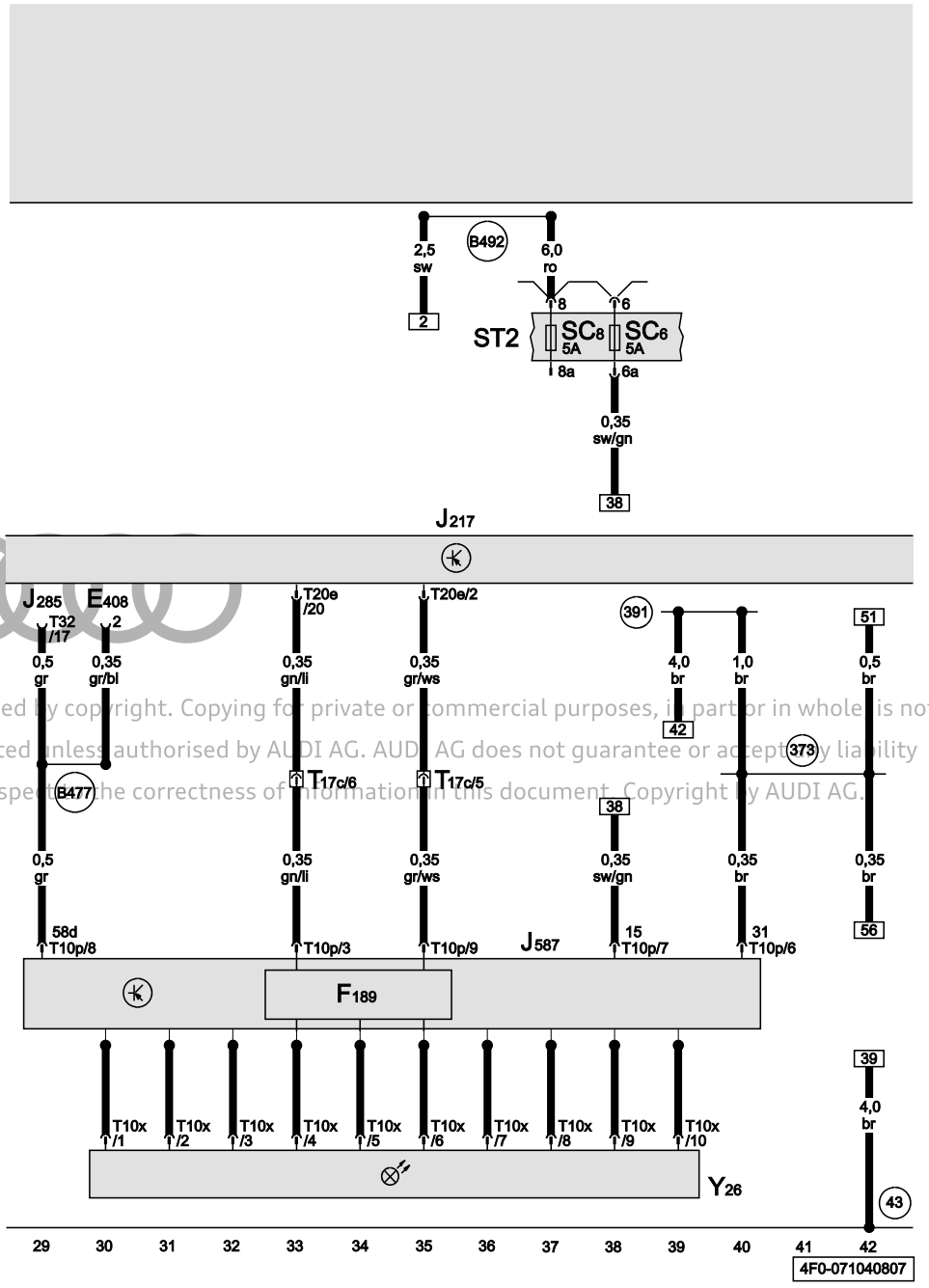


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Automatic gearbox control unit

J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
T16	16-pin connector, diagnostic connector
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN separating connector left
D84	Connection (automatic gearbox), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
•	CAN bus (data wire)
*	3.0 l Motor, engine code BBJ
**	2.4 l Motor, engine code BDW
***	3.2 l engine, engine codes AUK, BKH
#	2.0 l Diesel engine, engine codes BLB, BNA, BRE, BRF
##	2.0 l engine, engine code BPJ 2.8 l engine, engine code BDX
###	⇒ Engine Current Flow Diagram
◆	2.7 l Diesel engine, engine codes BPP, BSG



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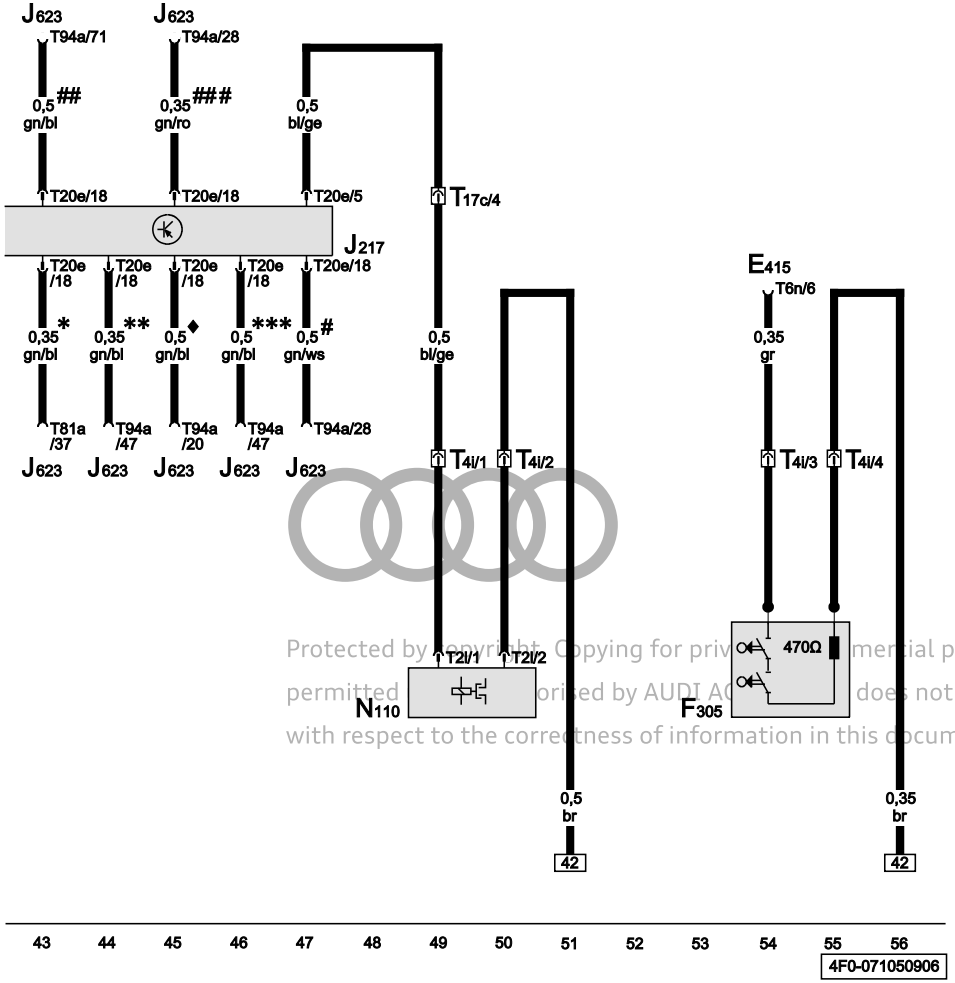
Automatic gearbox control unit, selector lever sensors control unit, Tiptronic switch, selector lever position display

E408	Entry and start authorisation button
F189	Tiptronic switch
J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J587	Selector lever sensors control unit
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
T10p	10-pin connector, black, on selector lever sensors control unit
T10x	10-pin connector, black, in centre console on selector lever position display
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T32	32-pin connector, grey, on dash panel insert
Y26	Selector lever position display
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B477	Connection 13 in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness

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Automatic gearbox control unit, selector lever lock solenoid, gear selector position P switch

E415	Entry and start authorisation switch
F305	Gear selector position P switch
J217	Automatic gearbox control unit
J623	Engine control unit
N110	Selector lever lock solenoid
T2l	2-pin connector, black, on selector lever lock solenoid
T4i	4-pin connector, black, in centre console on selector lever console
T6n	6-pin connector, black, connector B, on entry and start authorisation switch
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T81a	81-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
373	Earth connection 8, in main wiring harness
*	3.0 l Motor, engine code BBJ
**	2.4 l Motor, engine code BDW
***	3.2 l engine, engine codes AUK, BKH
#	2.0 l Diesel engine, engine codes BLB, BNA, BRE, BRF
##	2.0 l engine, engine code BPJ
###	2.7 l Diesel engine, engine codes BPP, BSG
♦	2.8 l engine, engine code BDX



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Avant, rear

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

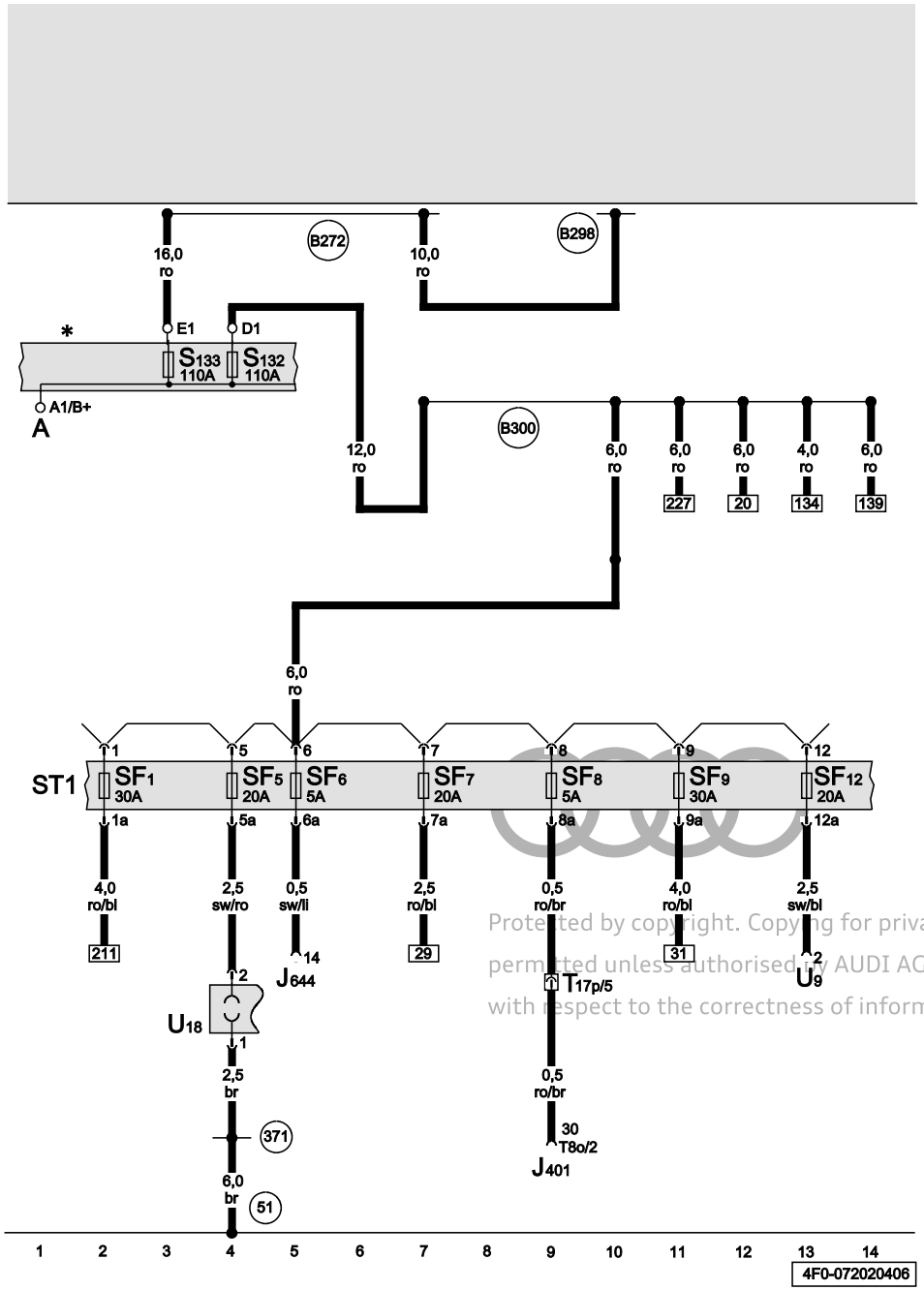
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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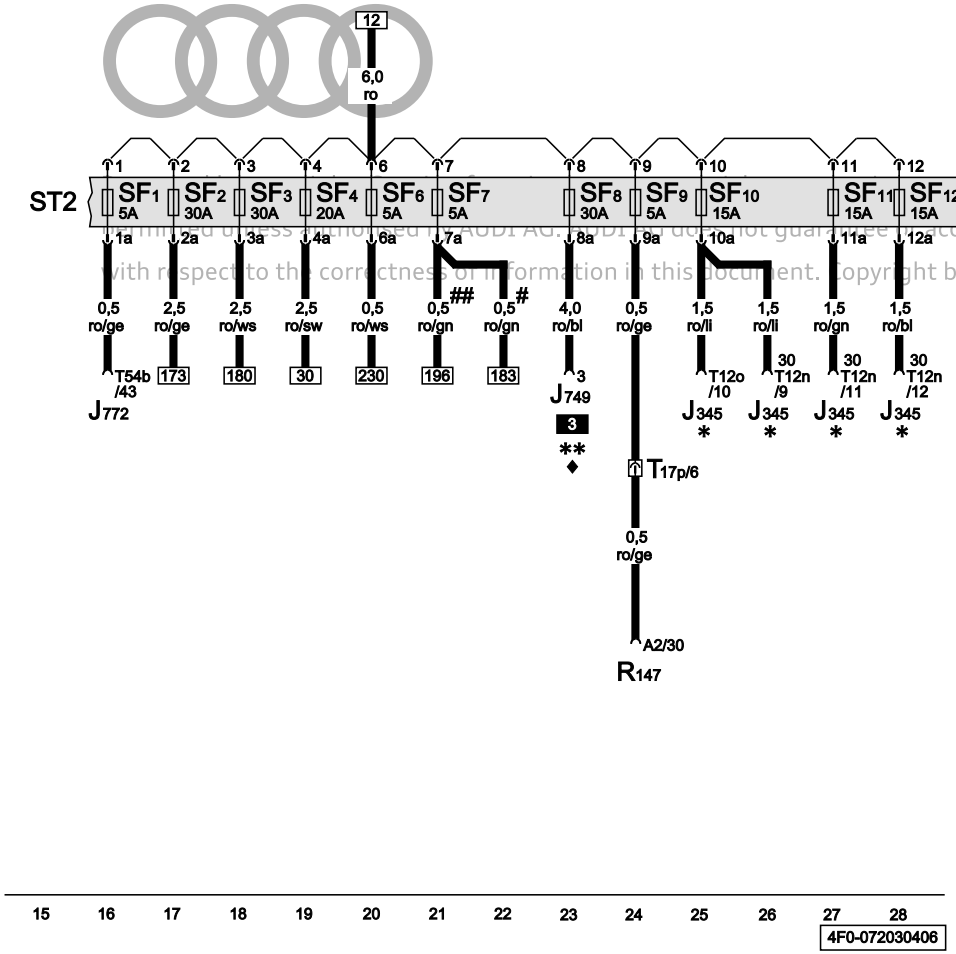


Voltage supply, fuses

A	Battery
J401	Navigation system with CD drive control unit
J644	Energy management control unit
S132	Fuse 2
S133	Fuse 3
SF1	Fuse 1 on fuse holder F
SF5	Fuse 5 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
SF8	Fuse 8 on fuse holder F
SF9	Fuse 9 on fuse holder F
SF12	Fuse 12 on fuse holder F
T8o	8-pin connector, black, on navigation system with CD drive control unit
T17p	17-pin connector, black, in left luggage compartment
U9	Rear cigarette lighter
U18	12 V socket 2
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery

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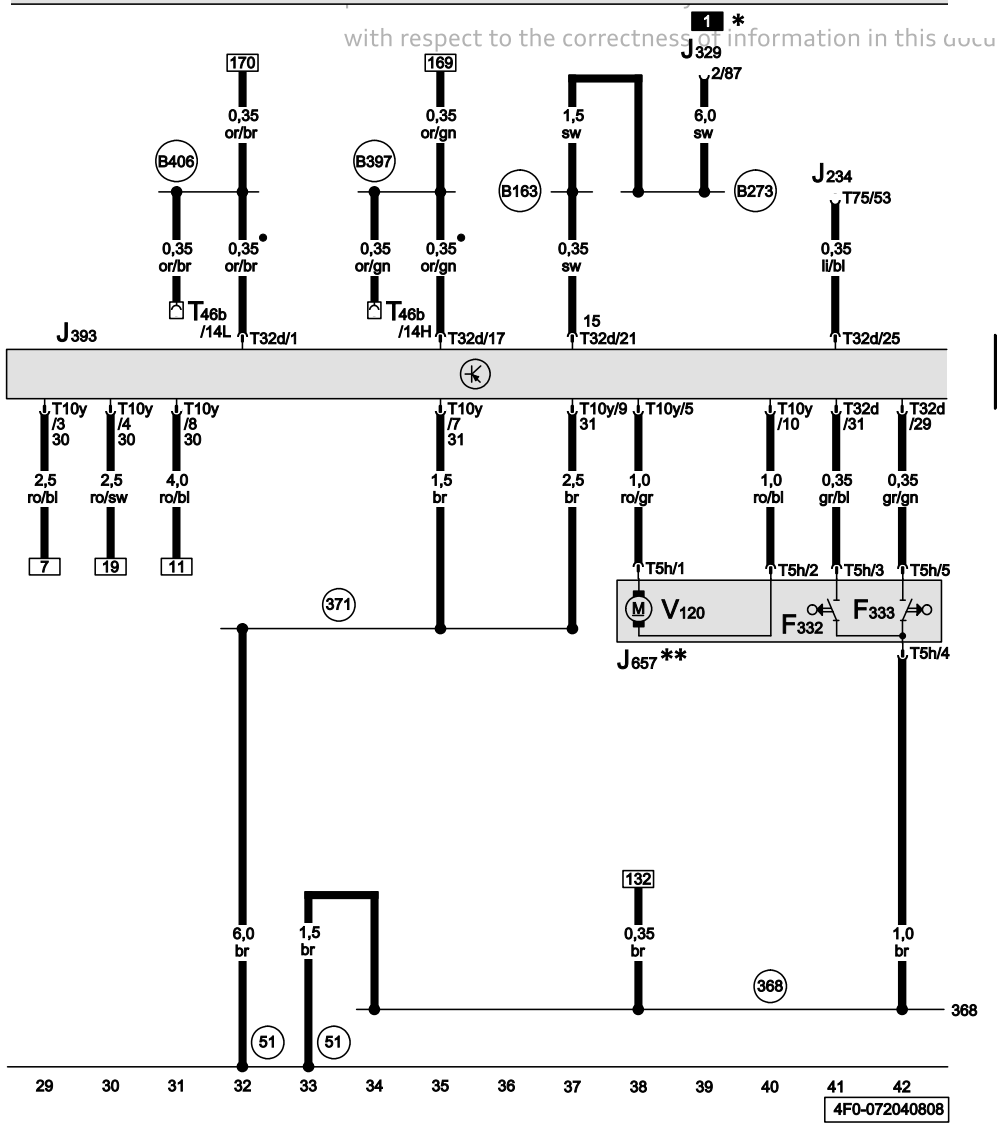
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Fuses

J345	Trailer detector control unit
J749	Fuel pump relay for auxiliary heater
J772	Reversing camera system control unit
R147	Digital radio
SF1	Fuse 1 on fuse holder F
SF2	Fuse 2 on fuse holder F
SF3	Fuse 3 on fuse holder F
SF4	Fuse 4 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
SF8	Fuse 8 on fuse holder F
SF9	Fuse 9 on fuse holder F
SF10	Fuse 10 on fuse holder F
SF11	Fuse 11 on fuse holder F
SF12	Fuse 12 on fuse holder F
T12n	12-pin connector, red, connector B, on trailer detector control unit
T12o	12-pin connector, blue, connector C, on trailer detector control unit
T17p	17-pin connector, black, in left luggage compartment
T54b	54-pin connector, on reversing camera system control unit
*	models with trailer towing attachment
**	models with auxiliary heater
#	models with anti-theft alarm
##	models with anti-theft alarm and interior monitor
♦	Relay and fuse carrier right in luggage compartment

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ro	=	red
br	=	brown
gn	=	green
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li	=	purple
ge	=	yellow
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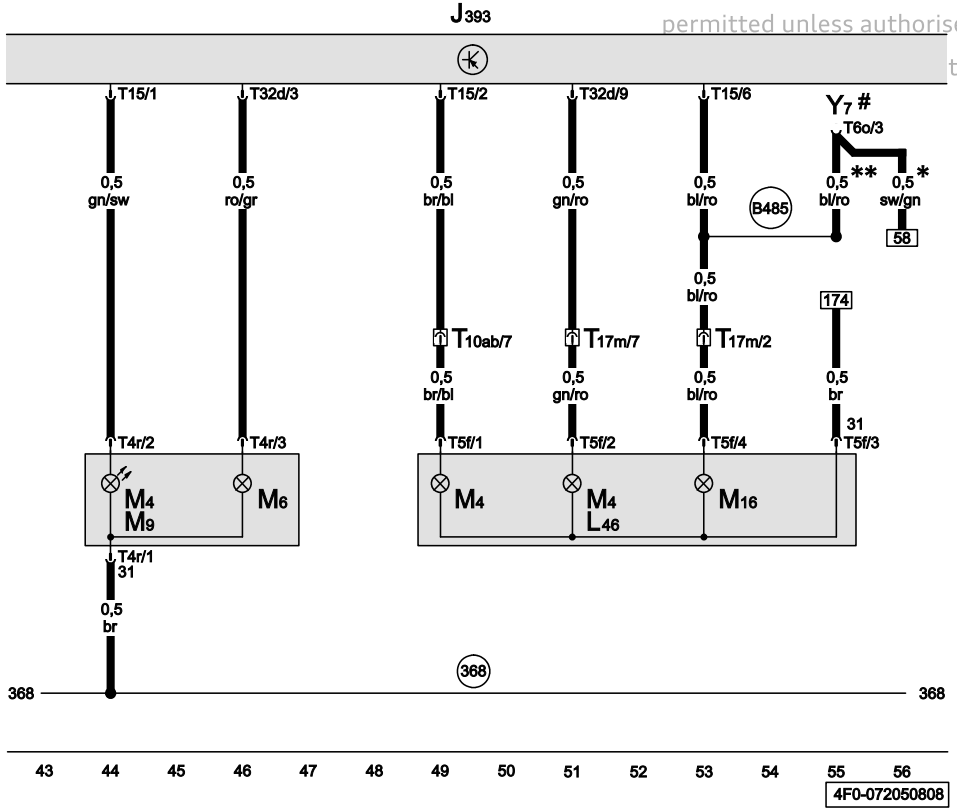
Convenience system central control unit, power latching control unit, rear lid lock motor

F332	Power latching system limit switch, luggage compartment unlocked
F333	Power latching system limit switch, luggage compartment locked
J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
J657	Power latching control unit
T5h	5-pin connector, black, on power latching control unit rear lid
T10y	10-pin connector, black, connector C, on convenience system control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
V120	Rear lid lock motor
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), 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
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	models with power latching rear lid

Convenience system central control unit, left tail light Lowline

J393	Convenience system central control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
T4r	4-pin connector, black, on left tail light
T5f	5-pin connector, black, on left tail light, rear lid
T6o	6-pin connector, black, connector B, on roof console
T10ab	10-pin connector, brown, coupling station on right of D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right of D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
Y7	Automatic anti-dazzle interior mirror
368	Earth connection 3, in main wiring harness
B485	Connection 21 in main wiring harness
*	not Japan
**	only Japan
#	models with automatic anti-dazzle interior mirror only

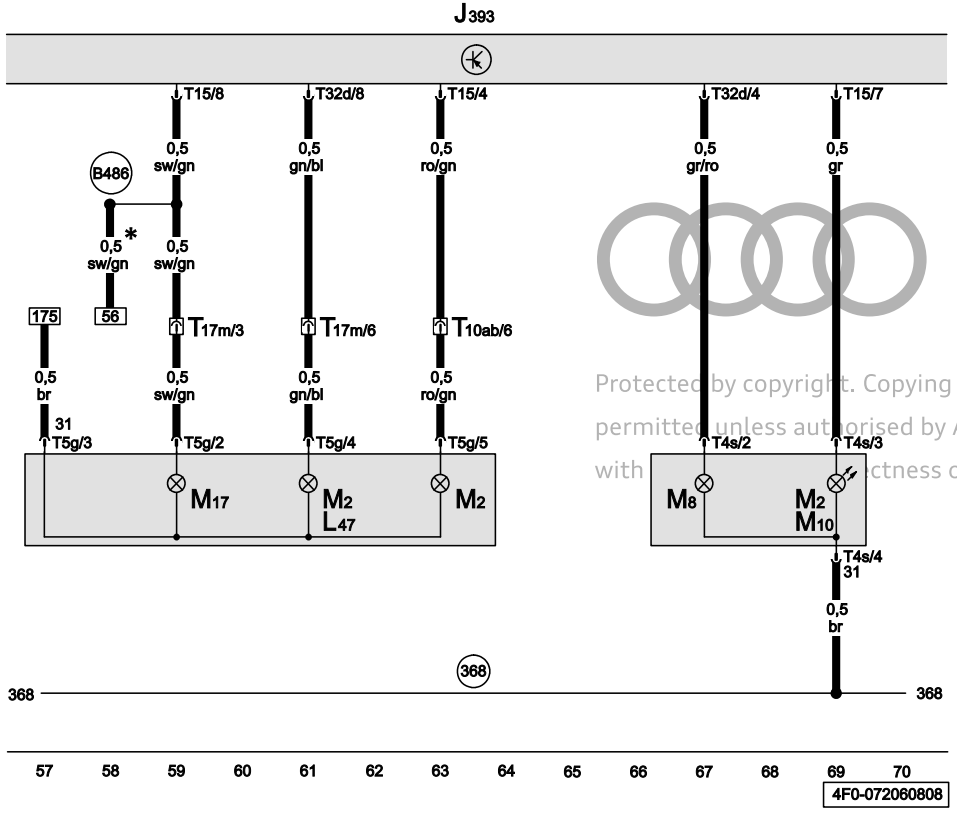
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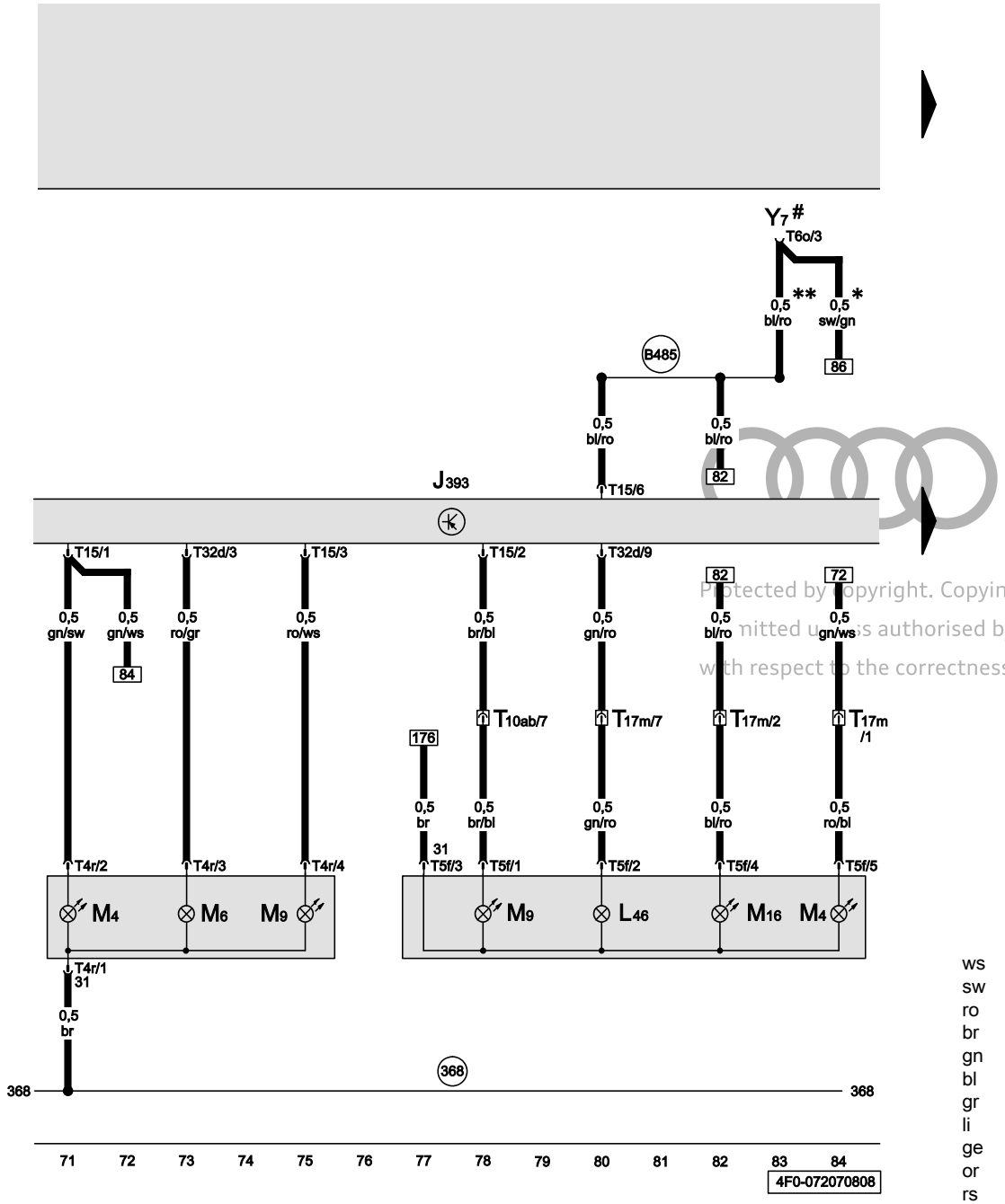
Convenience system central control unit, right tail light Lowline

J393	Convenience system central control unit
L47	Rear right fog light bulb
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
T4s	4-pin connector, black, on right tail light
T5g	5-pin connector, black, on right tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right of D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right of D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B486	Connection 22 in main wiring harness
*	not Japan



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Convenience system central control unit, left tail light Highline

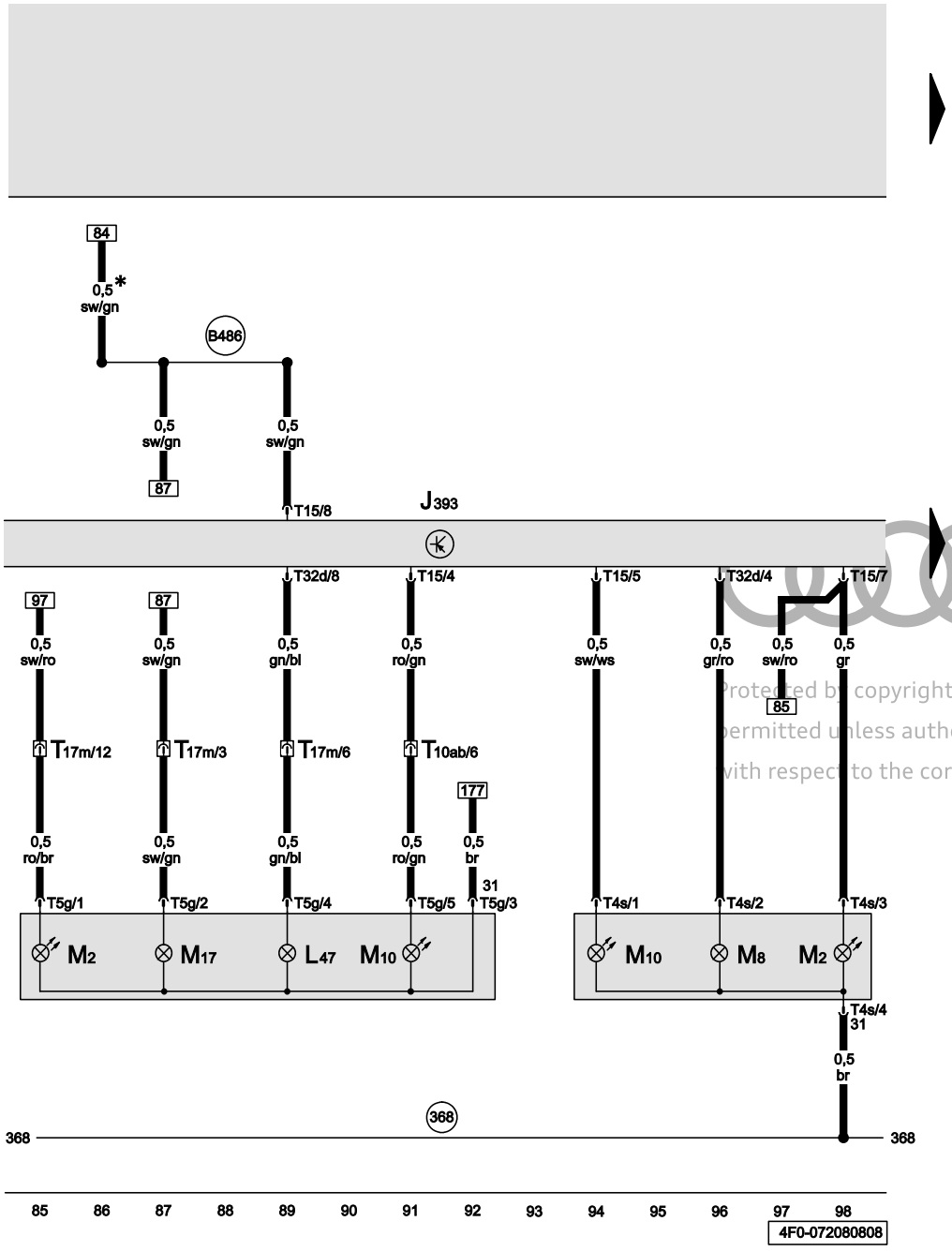
J393	Convenience system central control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
T4r	4-pin connector, black, on left tail light
T5f	5-pin connector, black, on left tail light, rear lid
T6o	6-pin connector, black, connector B, on roof console
T10ab	10-pin connector, brown, coupling station on right of D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right of D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
Y7	Automatic anti-dazzle interior mirror
368	Earth connection 3, in main wiring harness
B485	Connection 21 in main wiring harness
*	not Japan
**	only Japan
#	models with automatic anti-dazzle interior mirror only

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Convenience system central control unit, right tail light Highline

J393	Convenience system central control unit
L47	Rear right fog light bulb
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
T4s	4-pin connector, black, on right tail light
T5g	5-pin connector, black, on right tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right of D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right of D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B486	Connection 22 in main wiring harness
*	not Japan

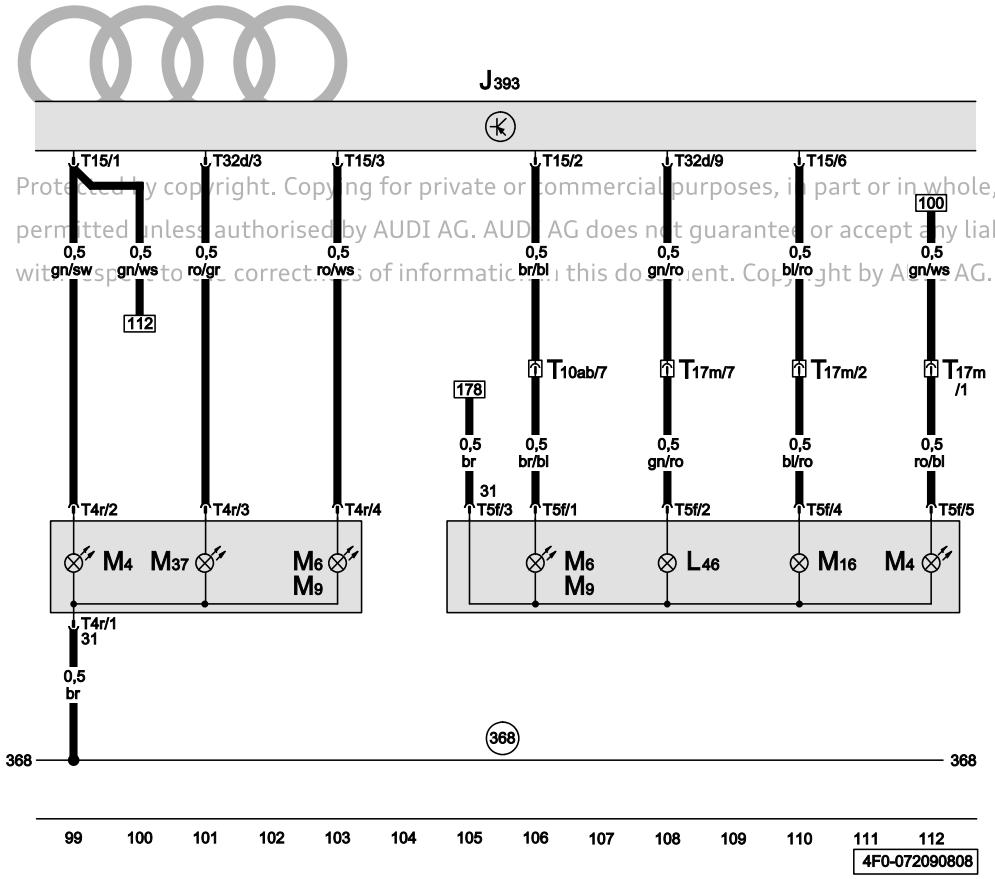


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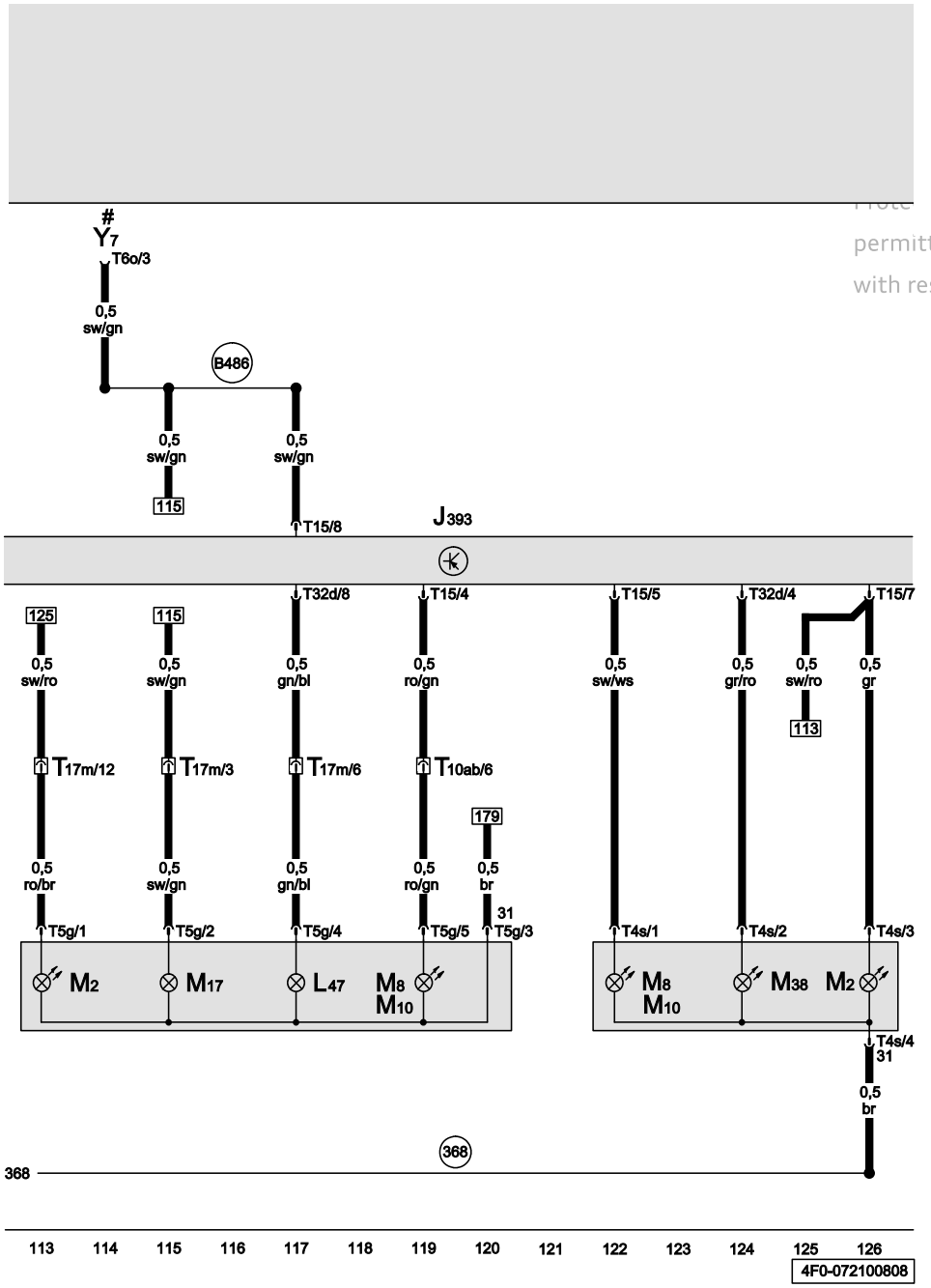
Convenience system central control unit, left tail light USA

J393	Convenience system central control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
M37	Rear left side marker bulb
T4r	4-pin connector, black, on left tail light
T5f	5-pin connector, black, on left tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right of D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right of D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness



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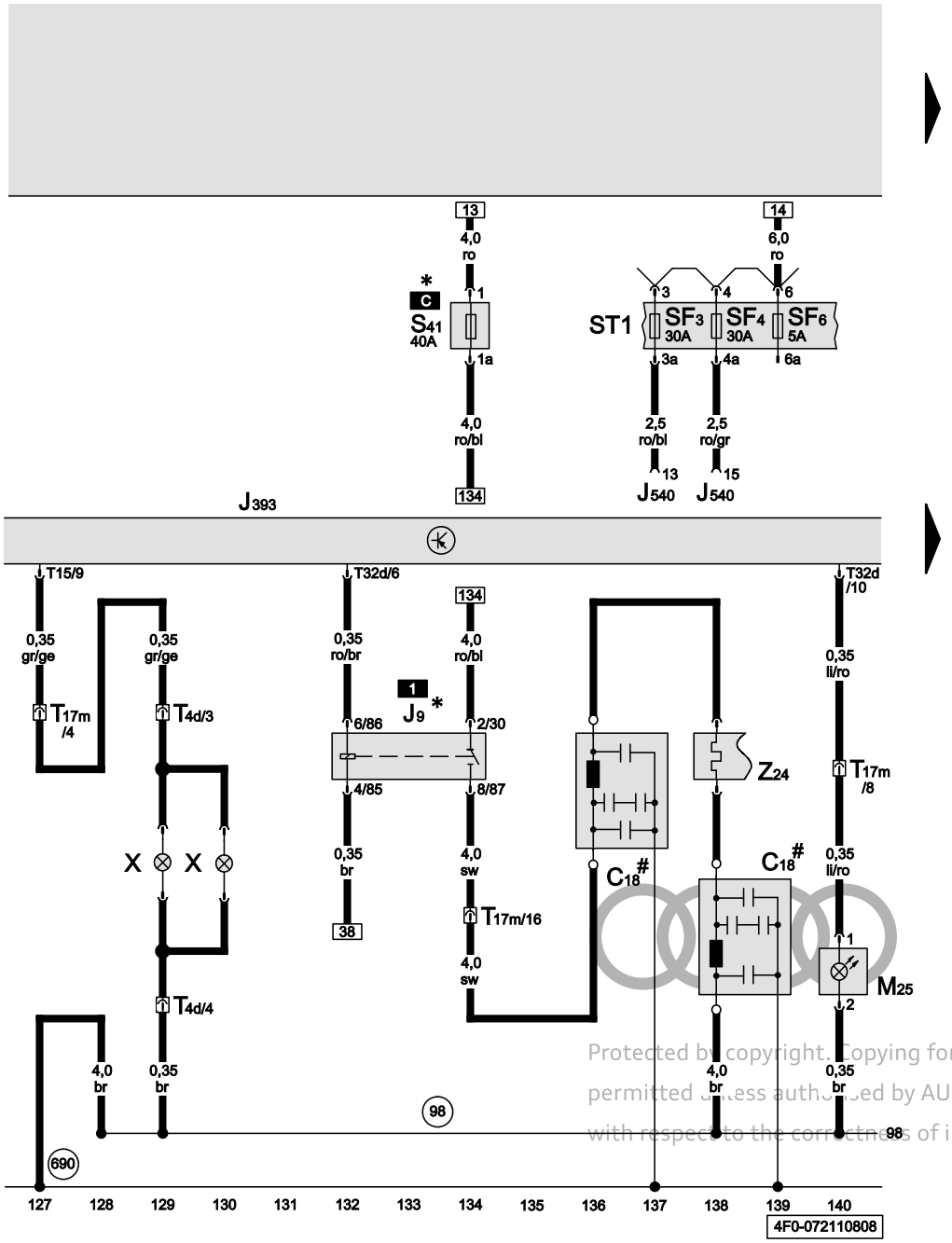


Convenience system central control unit, left tail light and right USA

J393	Convenience system central control unit
L47	Rear right fog light bulb
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
M38	Rear right side marker bulb
T4s	4-pin connector, black, on right tail light
T5g	5-pin connector, black, on right tail light, rear lid
T6o	6-pin connector, black, connector B, on roof console
T10ab	10-pin connector, brown, coupling station on right of D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right of D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
Y7	Automatic anti-dazzle interior mirror
368	Earth connection 3, in main wiring harness
B486	Connection 22 in main wiring harness
#	models with automatic anti-dazzle interior mirror only

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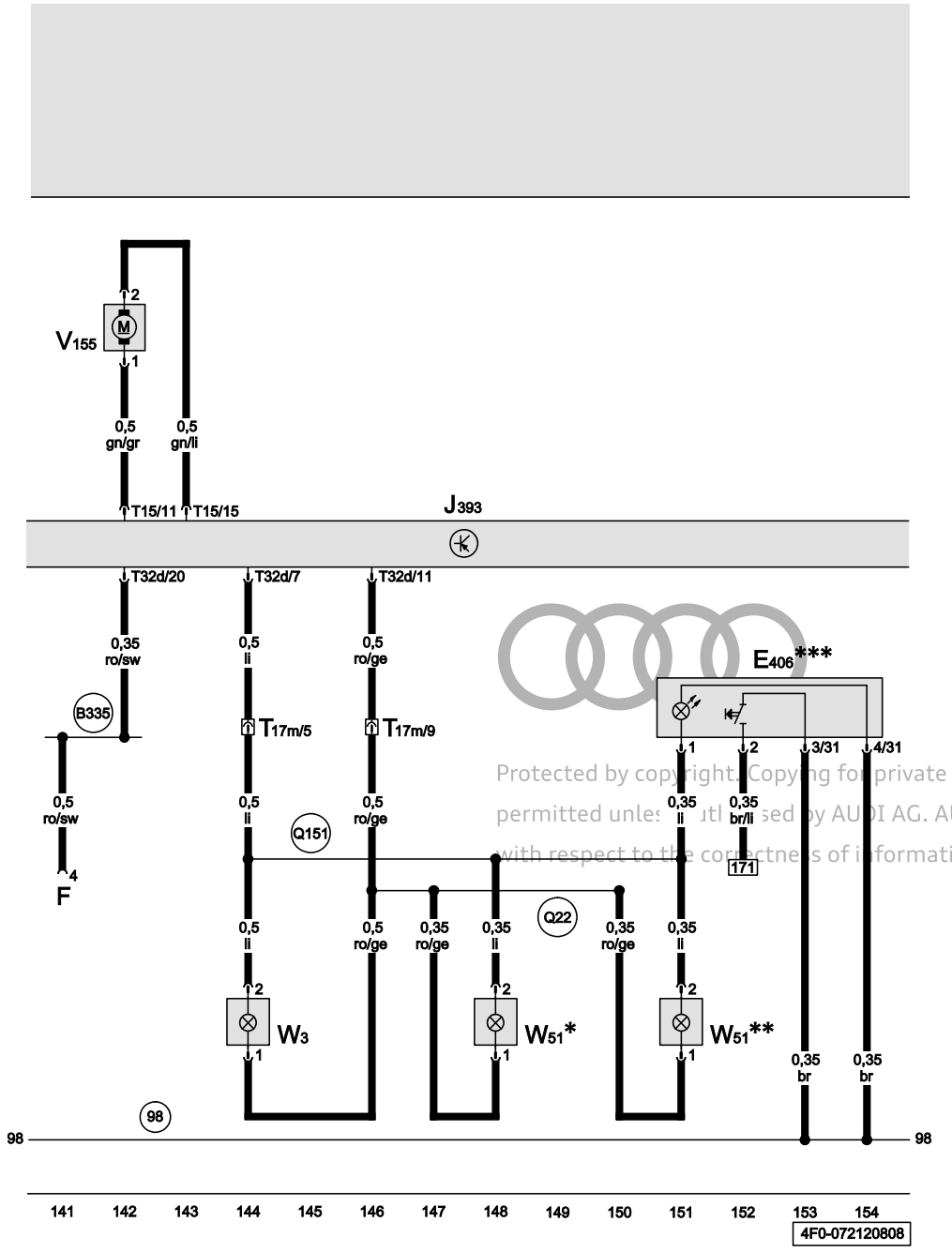


Convenience system central control unit, heated rear window relay, high level brake light bulb, number plate light

C18	Window aerial suppression filter
J9	Heated rear window relay
J393	Convenience system central control unit
J540	Electric park and handbrake control unit
M25	High level brake light bulb
S41	Heated rear window fuse
SF3	Fuse 3 on fuse holder F
SF4	Fuse 4 on fuse holder F
SF6	Fuse 6 on fuse holder F
T4d	4-pin connector, black, rear lid
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right of D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
X	Number plate light
Z24	Heated rear window with window aerial
98	Earth connection, in rear lid wiring harness
690	Earth point, rear centre roof frame
*	Relay and fuse carrier right in luggage compartment
#	not for MMI Basic

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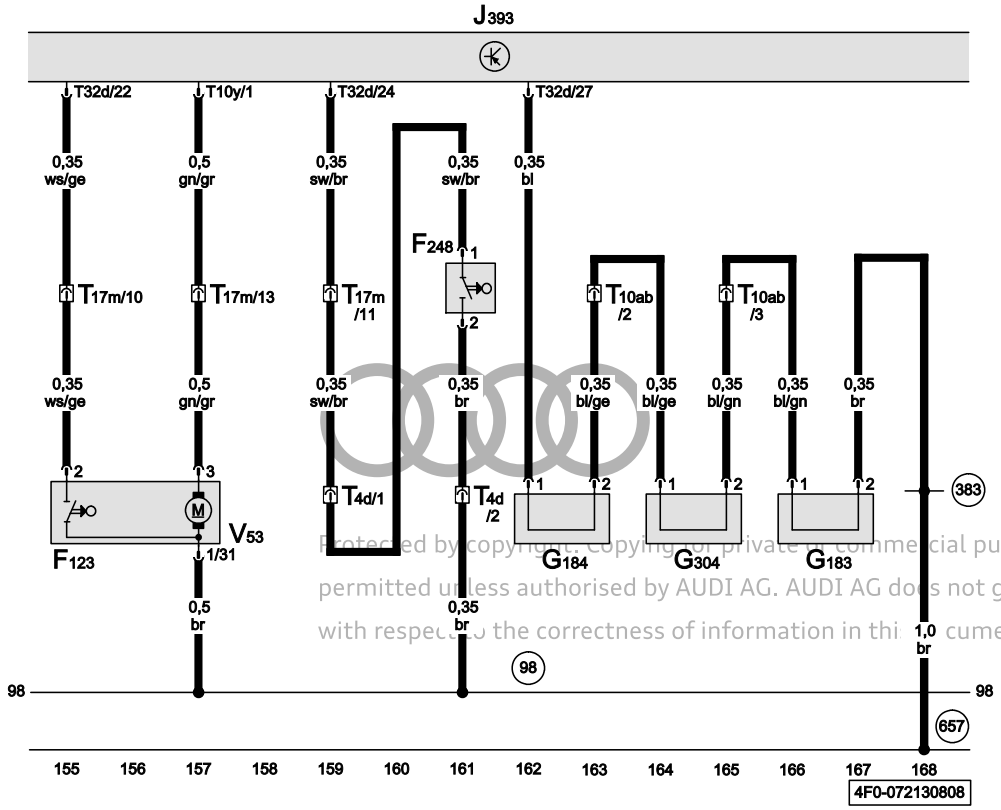
Convenience system central control unit, button to close rear lid in luggage compartment, luggage compartment light, rear lid light

E406	Button to close rear lid in luggage compartment
F	Brake light switch
J393	Convenience system central control unit
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right of D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V155	Tank filler flap locking motor
W3	Luggage compartment light
W51	Rear lid light
98	Earth connection, in rear lid wiring harness
B335	Connection 1 (54), in main wiring harness
Q22	Connection 1, in rear lid wiring harness
Q151	Connection (interior light), in rear lid wiring harness
*	left
**	right
***	models with electric rear lid release

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Convenience system central control unit, rear lid contact switch for anti-theft alarm, release button for rear lid lock cylinder, rear left and right side window glass breakage sensor, glass breakage sensor for rear window, rear lid central locking motor

F123	Rear lid contact switch for anti-theft alarm system
F248	Release button for rear lid lock cylinder
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
T4d	4-pin connector, black, rear lid
T10y	10-pin connector, black, connector C, on convenience system control unit
T10ab	10-pin connector, brown, coupling station on right of D-pillar
T17m	17-pin connector, black, coupling station on right of D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V53	Rear lid central locking motor
98	Earth connection, in rear lid wiring harness
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window



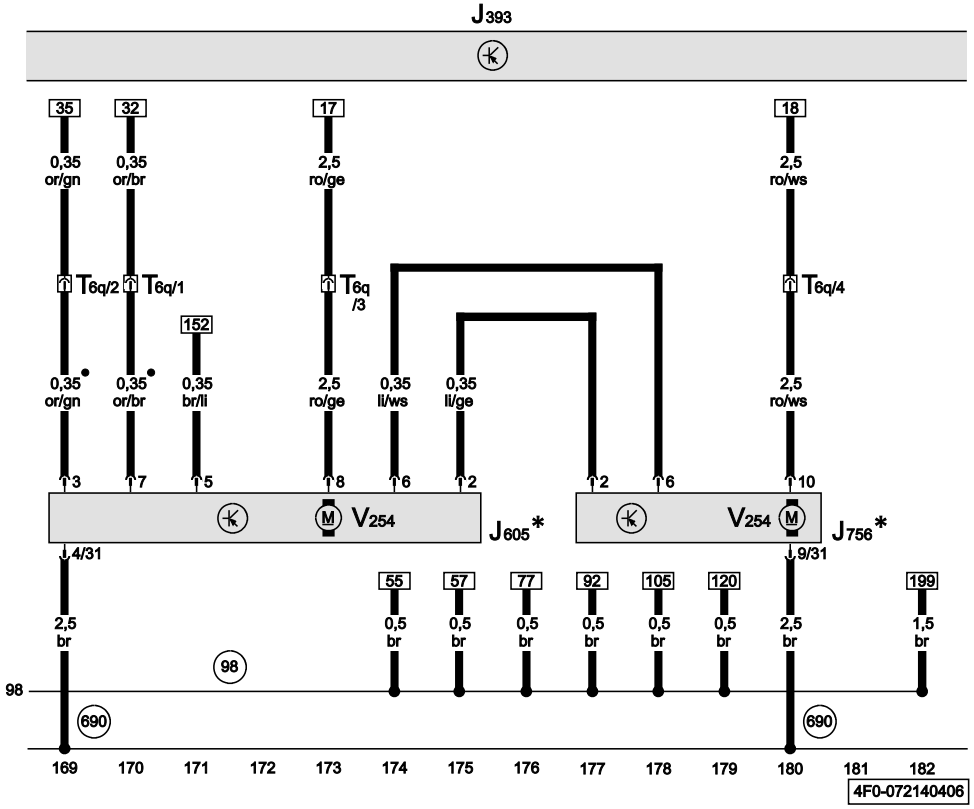
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Convenience system central control unit, rear lid control unit, rear lid electric release motor

J393	Convenience system central control unit
J605	Rear lid control unit
J756	Rear lid control unit 2
T6q	6-pin connector, red, coupling station on right of D-pillar
V254	Rear lid electric release motor
98	Earth connection, in rear lid wiring harness
690	Earth point, rear centre roof frame
•	CAN bus (data wire)
*	models with electric rear lid release

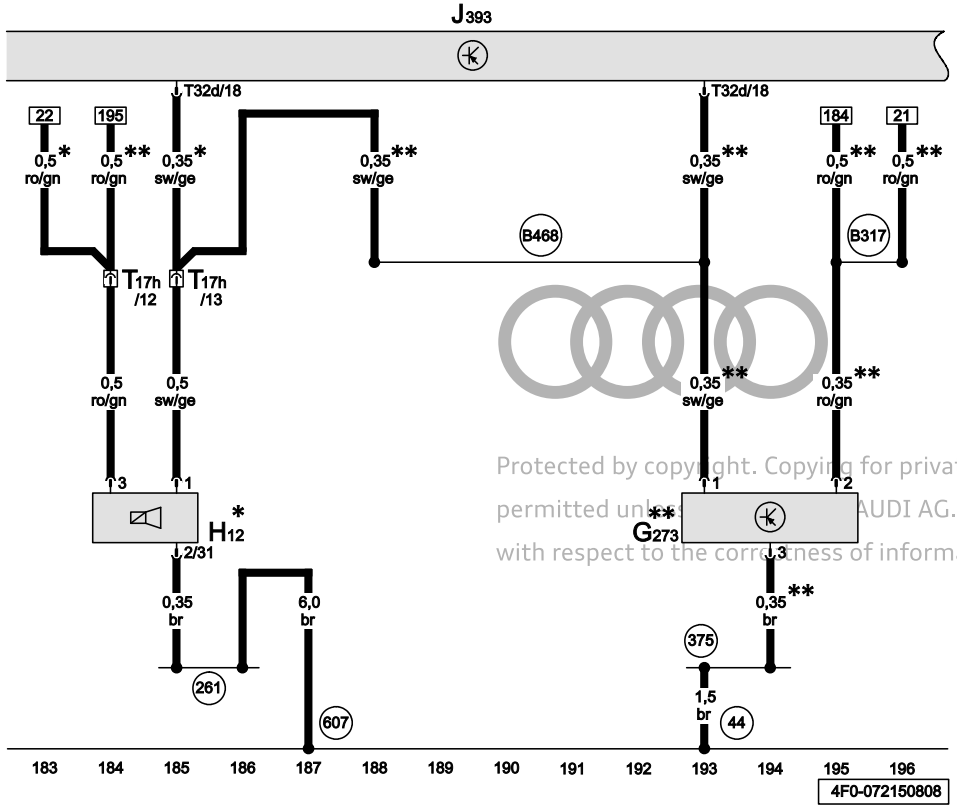
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Convenience system central control unit, alarm horn, interior monitoring sensor

G273	Interior monitoring sensor
H12	Alarm horn
J393	Convenience system central control unit
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
T32d	32-pin connector, blue, connector B, on convenience system central control unit
44	Earth point, lower part of left A-pillar
261	Earth connection, in heated washer jet wiring harness
375	Earth connection 10, in main wiring harness
607	Earth point, on left in plenum chamber
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4 in main wiring harness
*	models with anti-theft alarm
**	models with anti-theft alarm and interior monitor

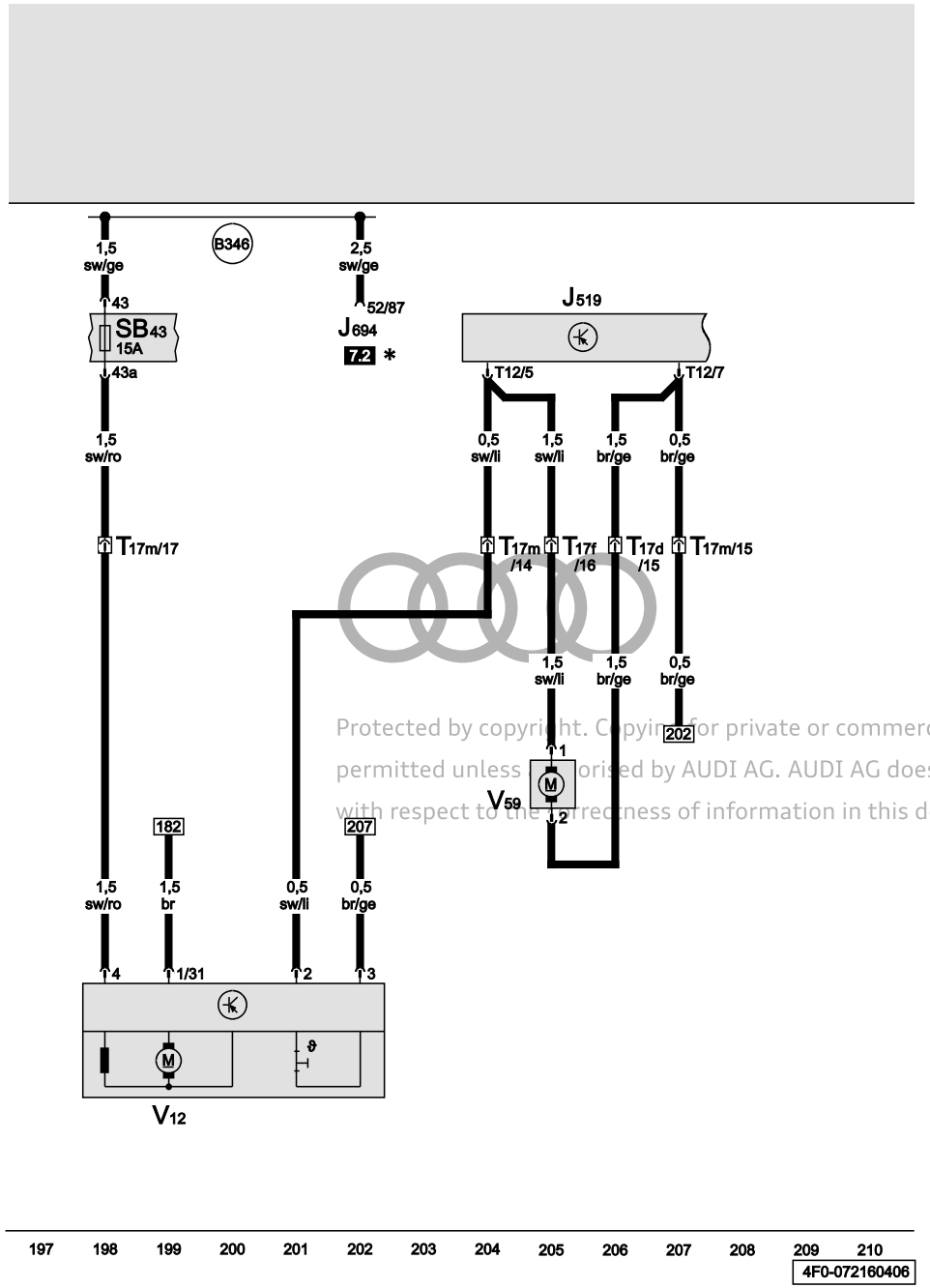


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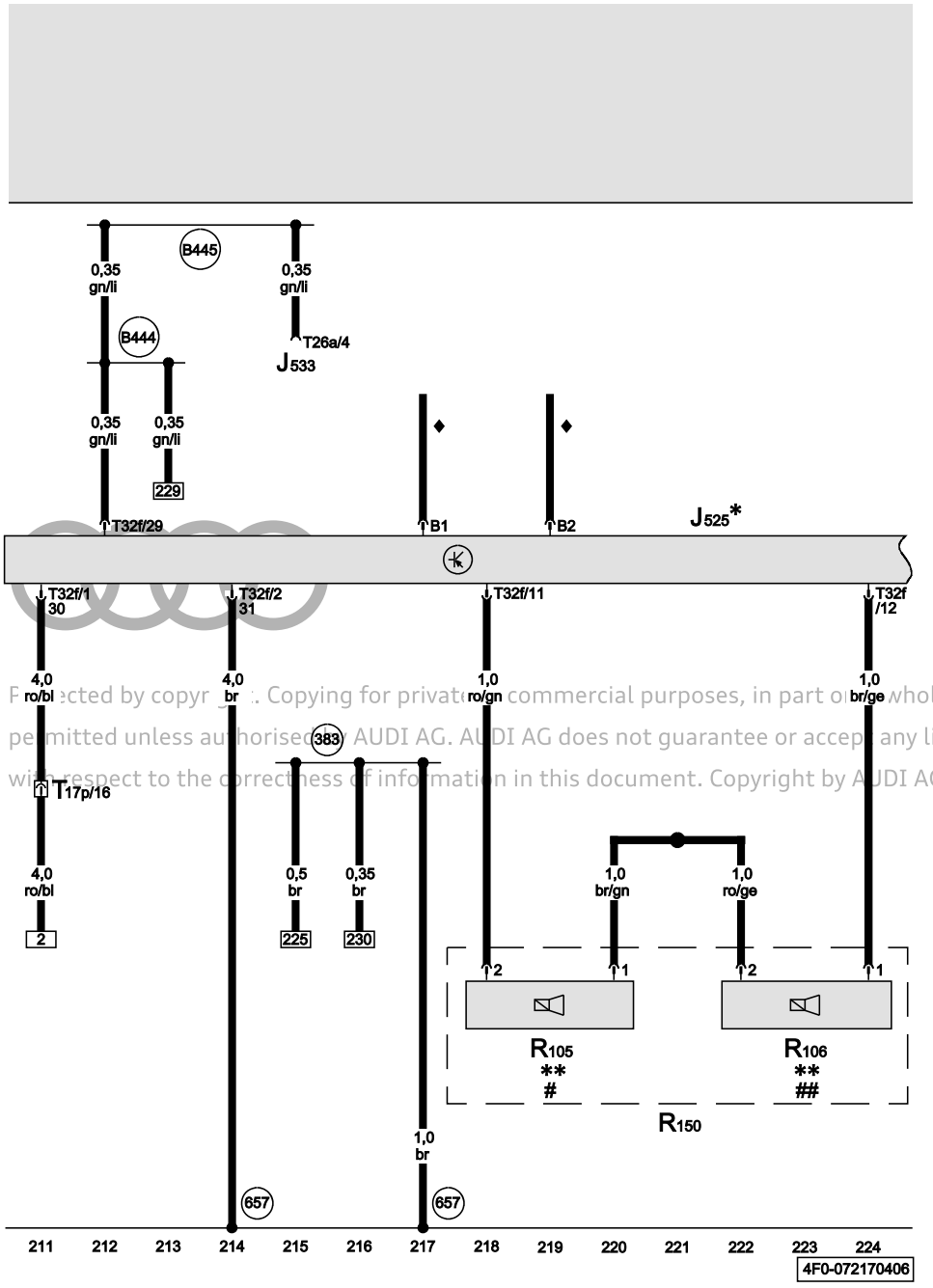
Rear window wiper motor, windscreen and rear window washer pump

J519	Onboard supply control unit
J694	Terminal 75x voltage supply relay
SB43	Fuse 43 on fuse holder
T12	12-pin connector, black, connector B, on onboard power supply control unit
T17d	17-pin connector, black, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
T17m	17-pin connector, black, coupling station on right of D-pillar
V12	Rear window wiper motor
V59	Windscreen and rear window washer pump
B346	Connection 1 (75), in main wiring harness
*	9-point relay carrier, behind driver storage compartment



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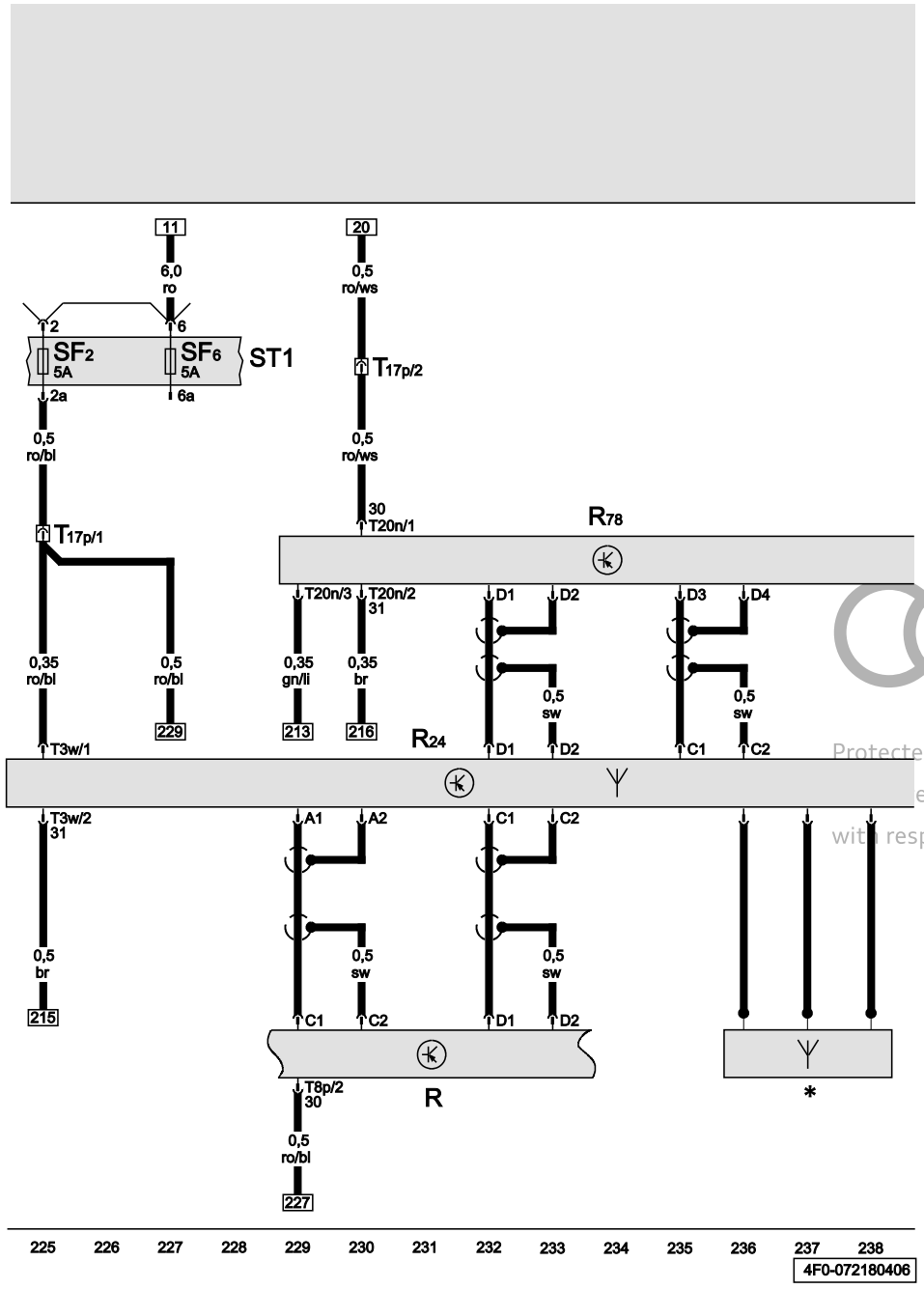
Digital sound package control unit, rear left and right D-pillar mid-range loudspeaker

J525	Digital sound package control unit
J533	Data bus diagnostic interface
R105	Rear left mid-range loudspeaker
R106	Rear right mid-range loudspeaker
R150	Loudspeaker in rear shelf
T17p	17-pin connector, black, in left luggage compartment
T26a	26-pin connector, black, on data bus diagnostic interface
T32f	32-pin connector, black, connector A, on digital sound package control unit
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	on left in luggage compartment
**	only BOSE sound system
#	in left D-pillar
##	in right D-pillar
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Radio, aerial amplifier, TV tuner

R	Radio
R24	Aerial amplifier
R78	TV tuner
SF2	Fuse 2 on fuse holder F
SF6	Fuse 6 on fuse holder F
T3w	3-pin connector, black, on aerial amplifier
T8p	8-pin connector, black, on radio (K-box)
T17p	17-pin connector, black, in left luggage compartment
T20n	20-pin connector, red, connector B, on TV tuner
*	side window aerial left

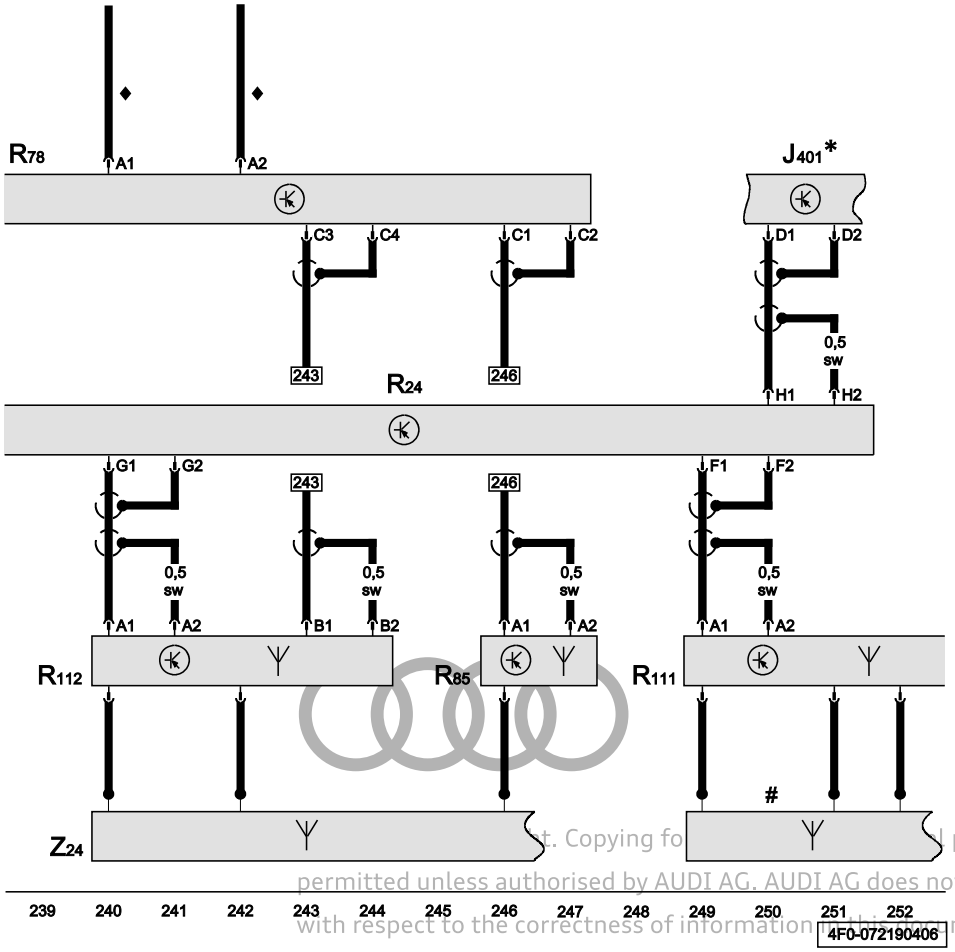


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TV tuner, aerial amplifier, aerial amplifier 2, aerial amplifier 3, aerial amplifier 4 for TV

J401	Navigation system with CD drive control unit
R24	Aerial amplifier
R78	TV tuner
R85	Aerial amplifier 4 for TV
R111	Aerial amplifier 2
R112	Aerial amplifier 3
Z24	Heated rear window with window aerial
*	only navigation Japan
#	side window aerial right
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

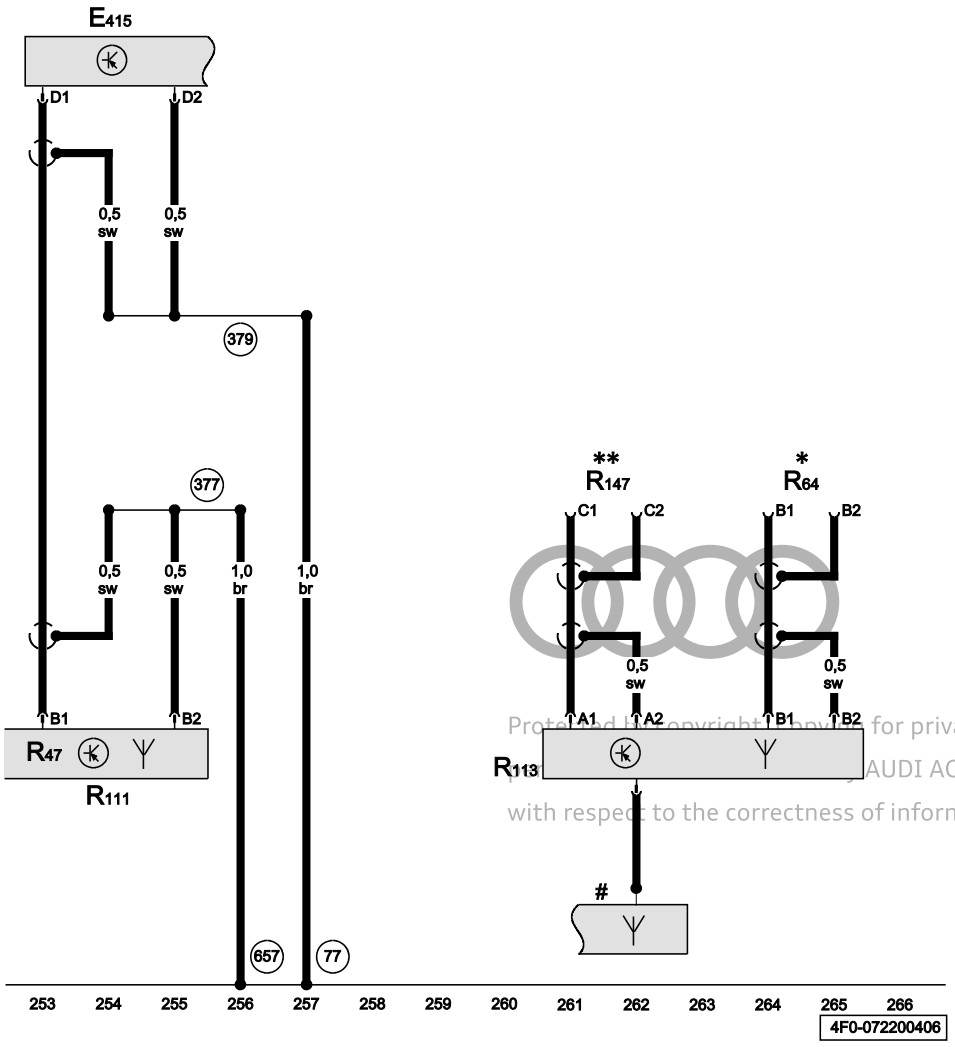


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Aerial amplifier 2, aerial amplifier 4, central locking and anti-theft alarm system aerial

E415	Entry and start authorisation switch
R47	Central locking and anti-theft alarm system aerial
R64	Remote control receiver for auxiliary heating
R111	Aerial amplifier 2
R113	Aerial amplifier 4
R147	Digital radio
77	Earth point, lower part of left B-pillar
377	Earth connection 12, in main wiring harness
379	Earth connection 14, in main wiring harness
657	Earth point 1, on left near rear window
*	models with auxiliary heater
**	models with digital radio
#	side window aerial right

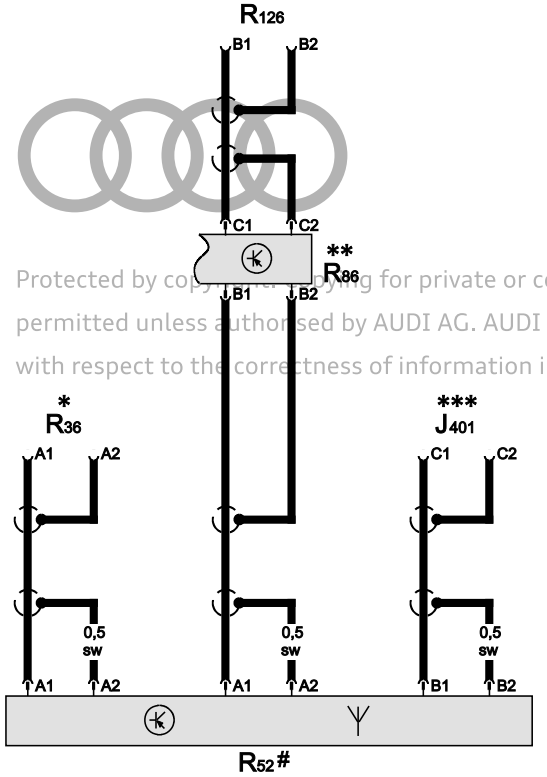


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or	=	orange
rs	=	pink

Roof aerial, radio, telephone and navigation system aerial

J401	Navigation system with CD drive control unit
R36	Telephone transmitter and receiver unit
R52	Radio, telephone and navigation system aerial
R86	Aerial amplifier for mobile telephone
R126	Telephone bracket
*	models with microphone
**	models with preparation for mobile telephone
***	models with navigation
#	roof aerial



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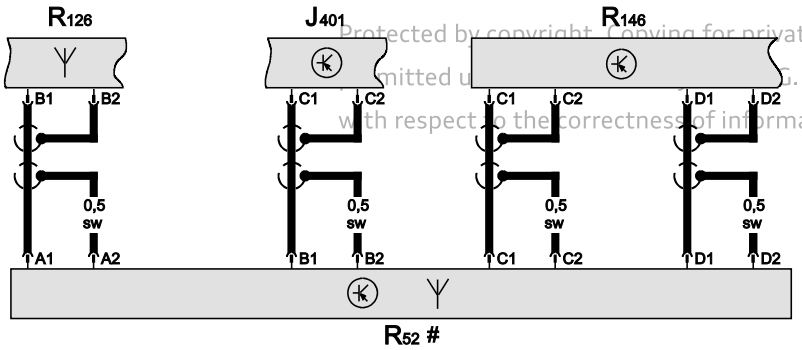
267 268 269 270 271 272 273 274 275 276 277 278 279 280

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ge	=	yellow
or	=	orange
rs	=	pink

Roof aerial USA, radio, telephone and navigation system aerial

J401	Navigation system with CD drive control unit
R52	Radio, telephone and navigation system aerial
R126	Telephone bracket
R146	Satellite radio
#	roof aerial



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Communication

⇒ **MMI**
⇒ **Multimedia system operating unit**
⇒ **Digital radio, radio (K-box)**
⇒ **Navigation system**
⇒ **Telephone, preparation for mobile telephone**
⇒ **TV tuner**
⇒ **Media player**
from model year 2007

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Notes:
For information concerning
♦ Position of relays and fuses

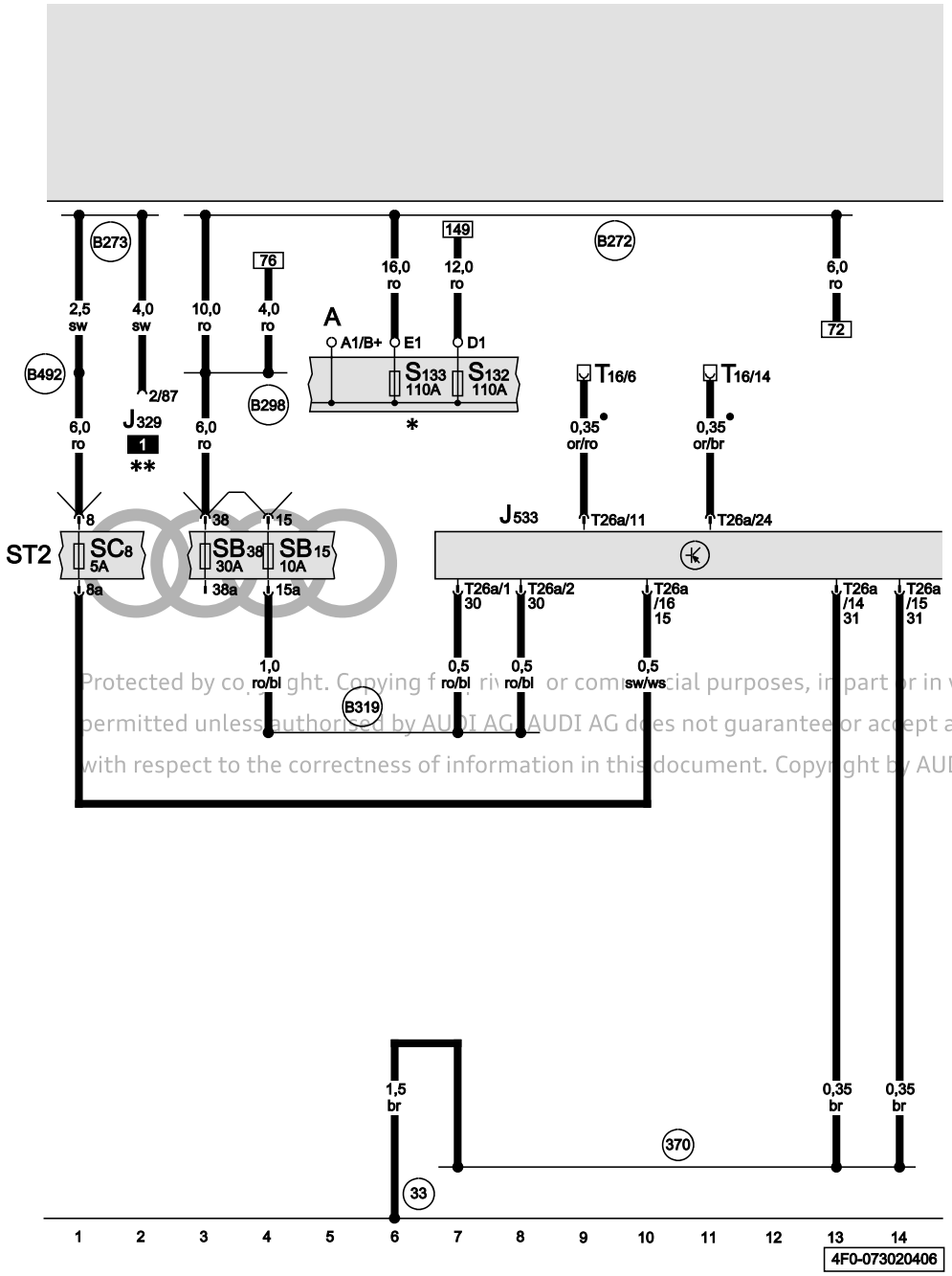
♦ Multi-pin connections

♦ Control units and relays

♦ Earth connections

⇒ List of Fitting Locations!
For information concerning
♦ Fault Finding Programs

⇒ guided fault finding

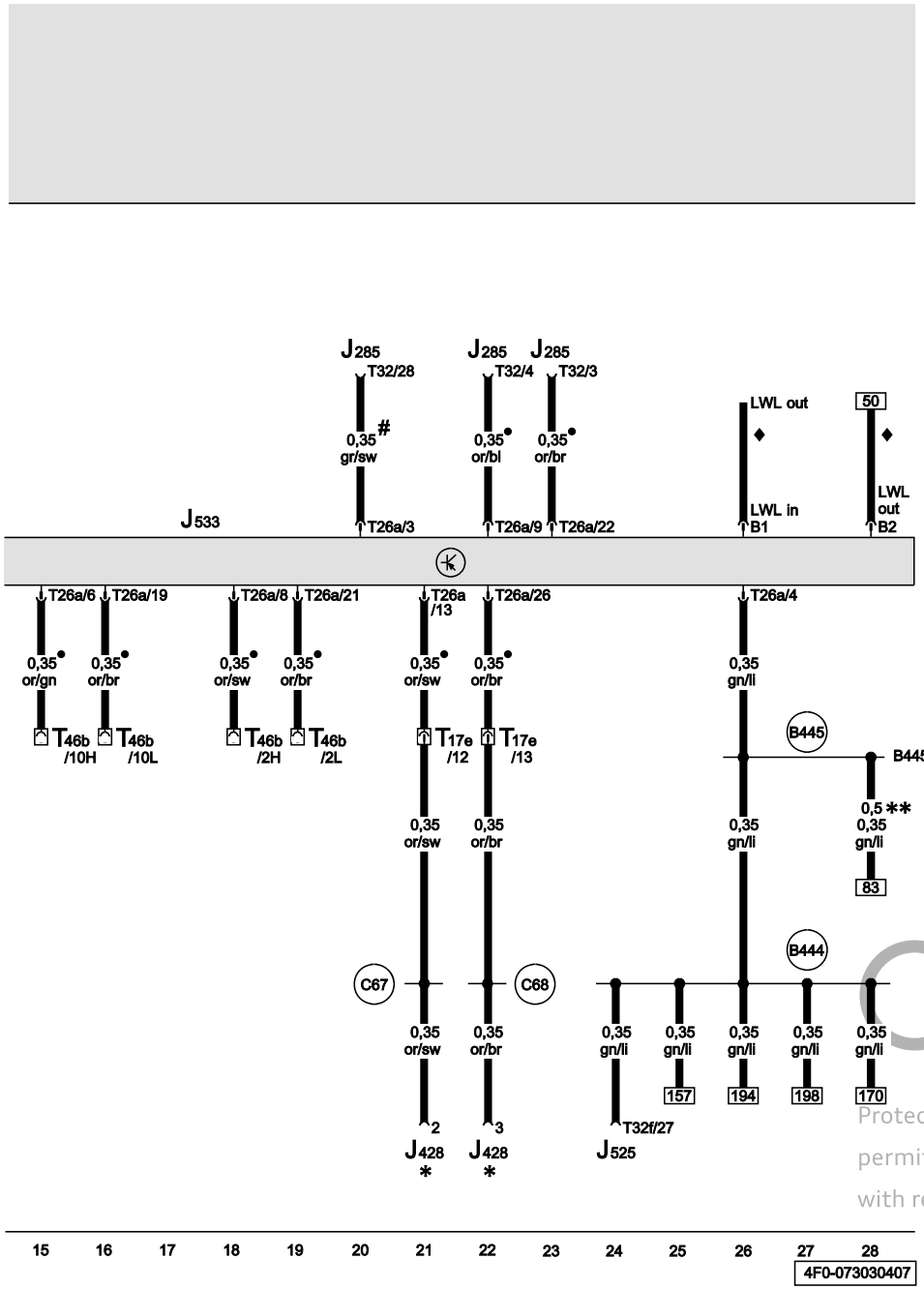


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Data bus diagnostic interface, fuses

A	Battery
J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
S132	Fuse 2
S133	Fuse 3
SB15	Fuse 15 on fuse holder B
SB38	Fuse 38 on fuse holder B
SC8	Fuse 8 on fuse holder C
T16	16-pin connector, diagnostic connector
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery
**	9-point relay carrier, behind driver storage compartment

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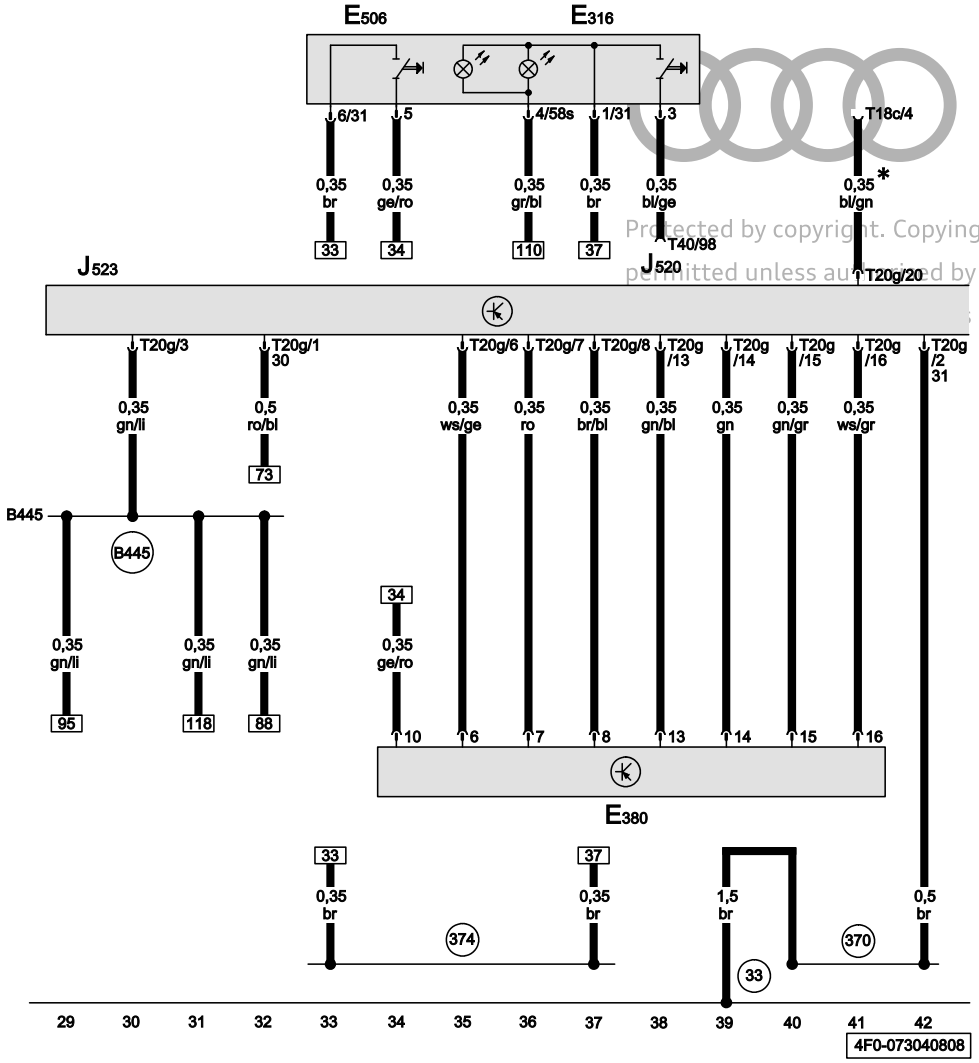
Data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
T17e	17-pin connector, red, coupling station on left of A-pillar
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T32f	32-pin connector, black, connector A, on digital sound package control unit
T46b	46-pin connector, CAN separating connector right
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
C67	Connection (CAN bus, high), in headlight wiring harness
C68	Connection (CAN bus, low), in headlight wiring harness

•	CAN bus (data wire)
*	models with distance control
**	phased-in modification
#	Wake Up wire (exciter wire)
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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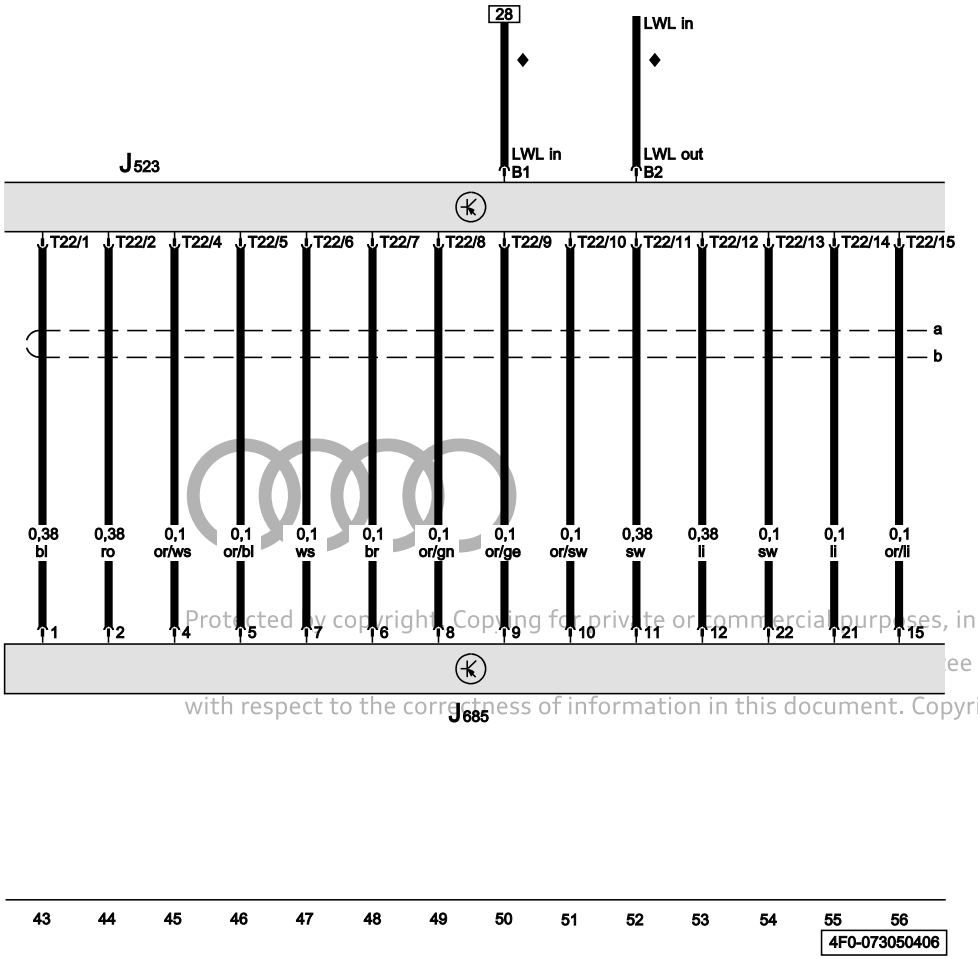
Front information display and operating unit control unit, multimedia system operating unit, glove compartment button, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T18c	18-pin connector, black, preparation for mobile telephone
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T40	40-pin connector, black, on onboard supply control unit 2
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	models with preparation for mobile telephone (9ZD)

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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523 Front information display and operating unit control unit
J685 Display unit for front information display and operating unit control unit
T22 22-pin connector, connector C, on front information display and operating unit control unit
♦ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



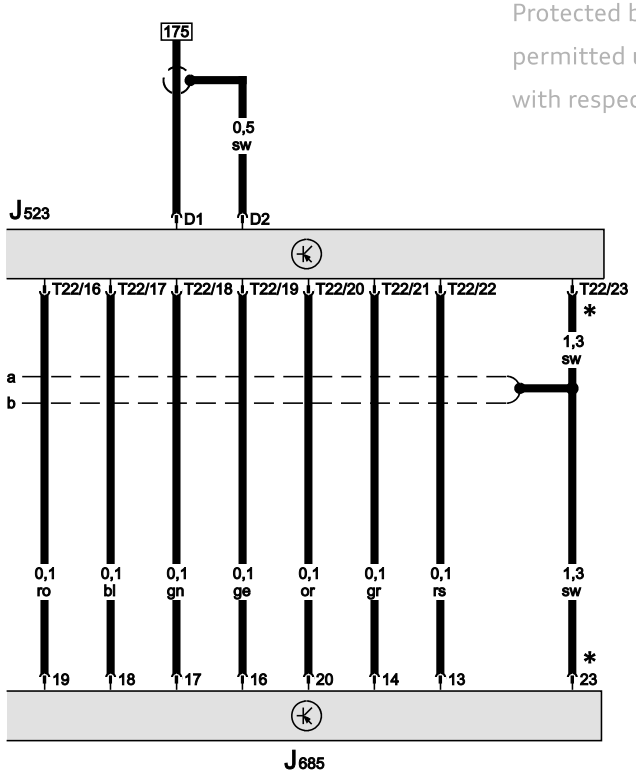
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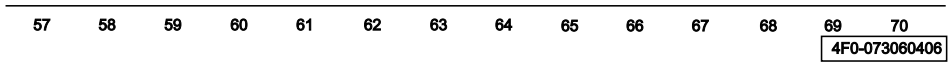
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gn = green
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rs = pink

Front information display and operating unit control unit, display unit for front information display and operating unit control unit

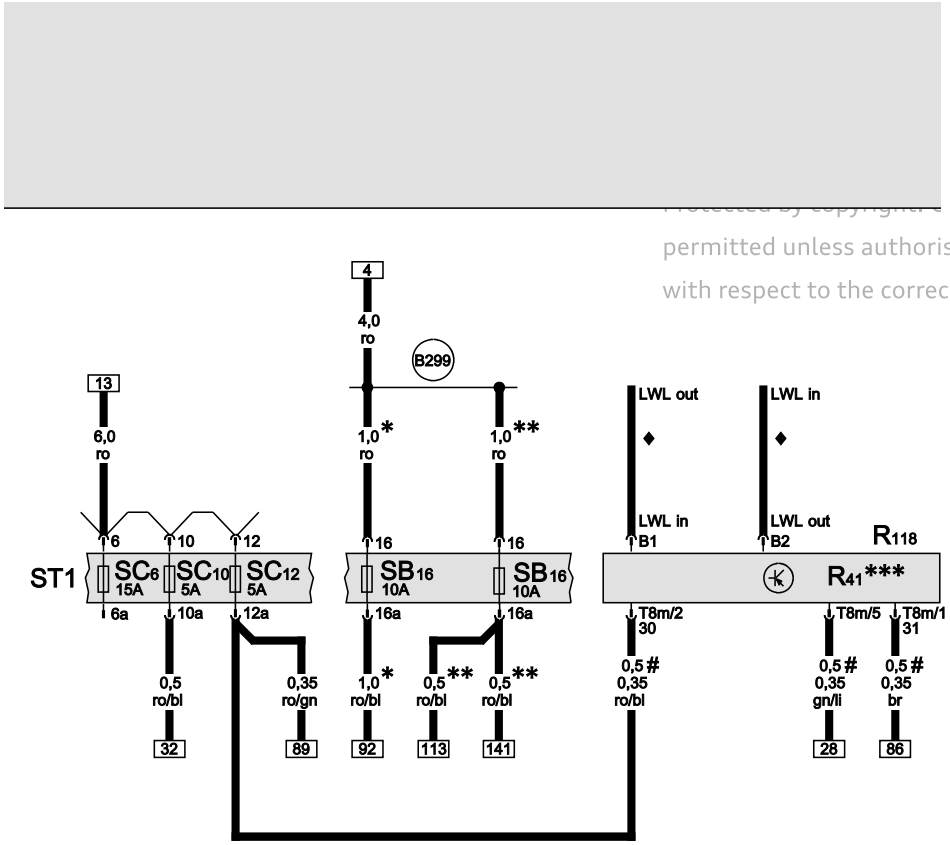
J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
T22	22-pin connector, connector C, on front information display and operating unit control unit
*	screening on connector housing

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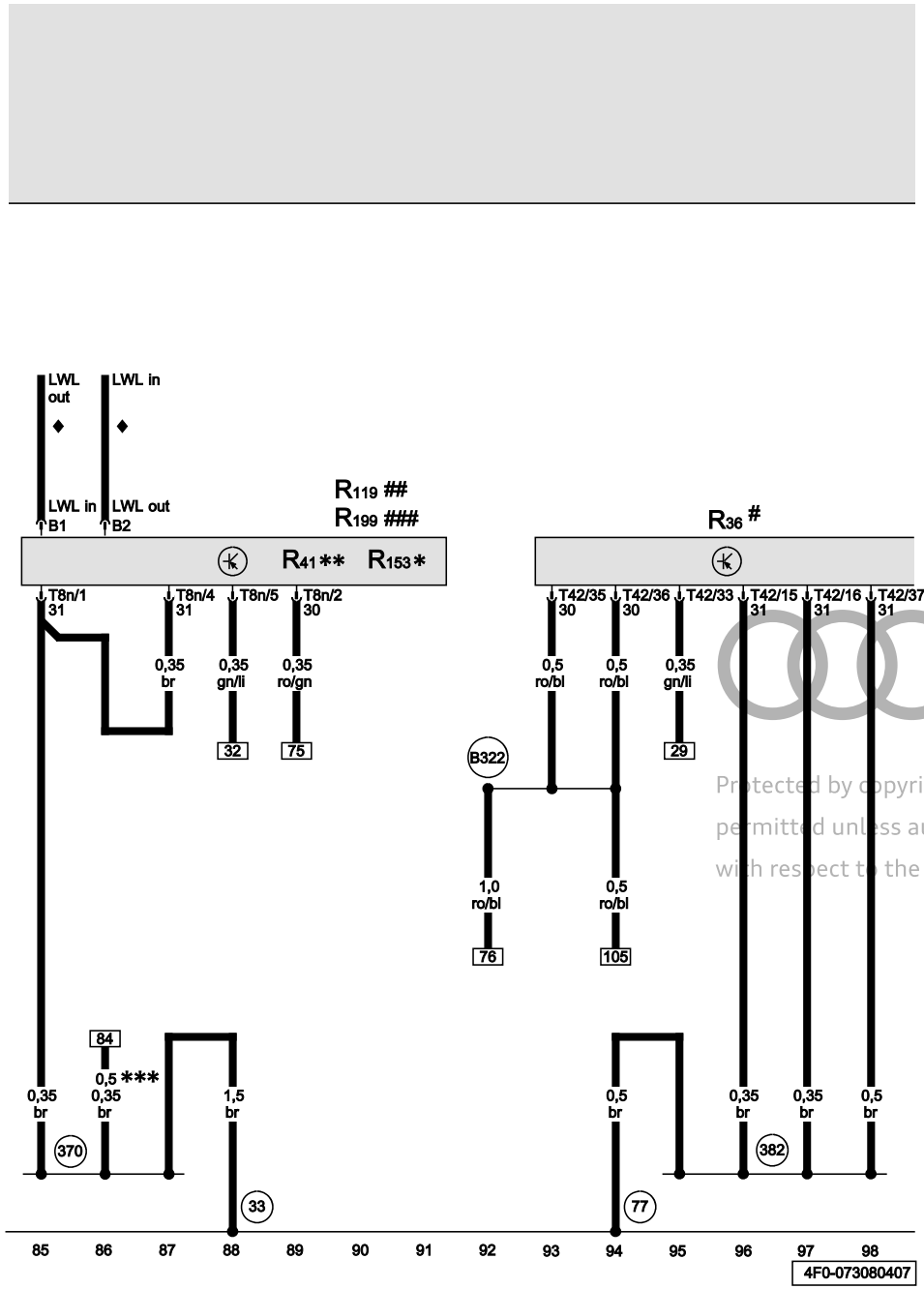
Media player in position 1, fuses

R41	CD changer
R118	Media player in position 1
SB16	Fuse 16 on fuse holder B
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC12	Fuse 12 on fuse holder C
T8m	8-pin connector, black, on media player in position 1
B299	Positive connection 3 (30), in main wiring harness
•	CAN bus (data wire)
*	models with microphone
**	models with preparation for mobile telephone
***	models with CD changer
#	phased-in modification
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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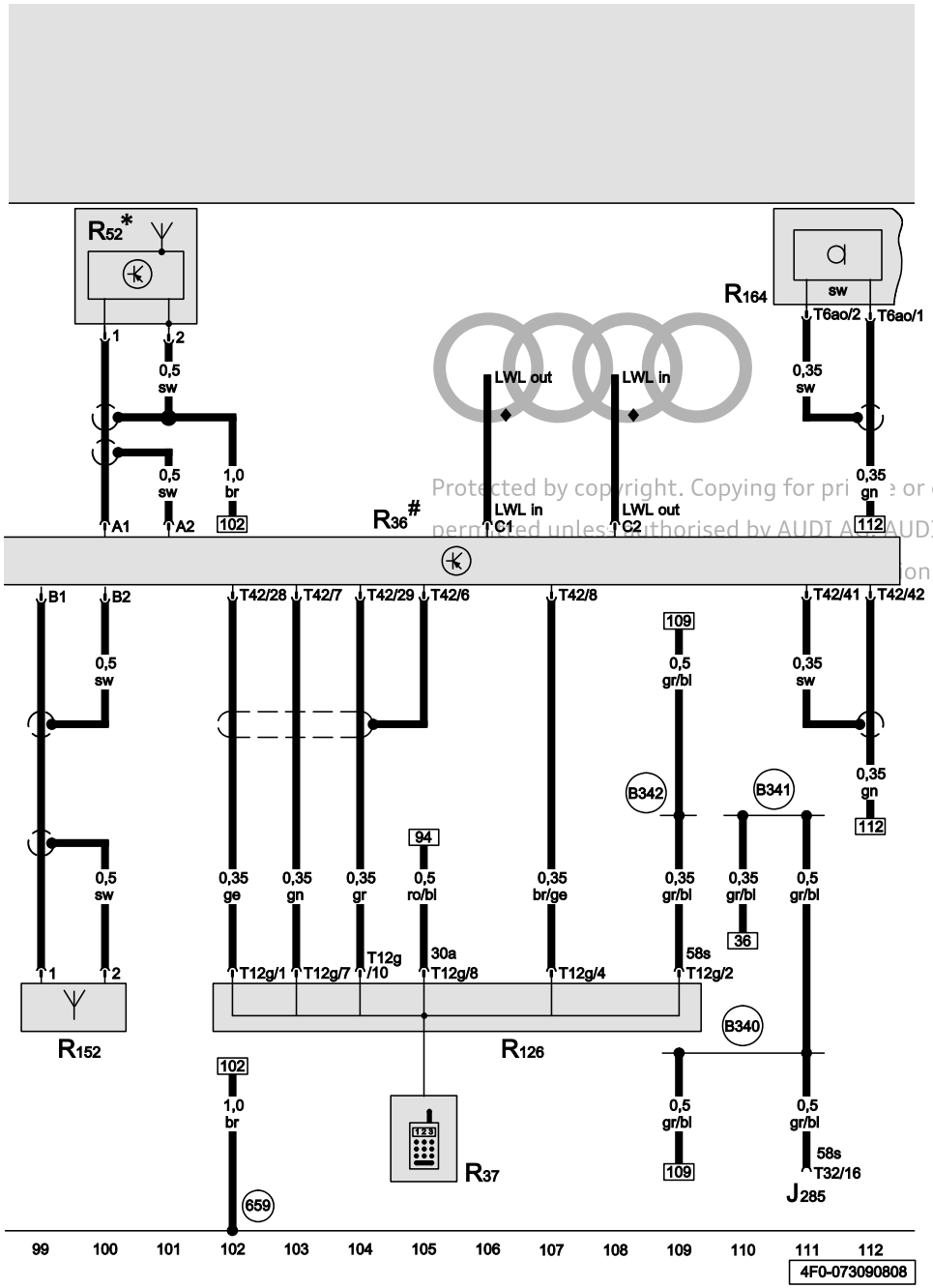
Telephone transmitter and receiver unit, media player in position 2



R36	Telephone transmitter and receiver unit
R41	CD changer
R119	Media player in position 2
R153	MiniDisc player
R199	Connection for external audio source
T8n	8-pin connector, black, on media player in position 2
T42	42-pin connector, on telephone transmitter and receiver unit
33	Earth point, on right behind dash panel
77	Earth point, lower part of left B-pillar
370	Earth connection 5, in main wiring harness
382	Earth connection 17, in main wiring harness
B322	Positive connection 8 (30a), in main wiring harness
*	models with MiniDisc player
**	models with CD changer
***	phased-in modification
#	models with microphone
##	up to October 2006
###	from November 2006
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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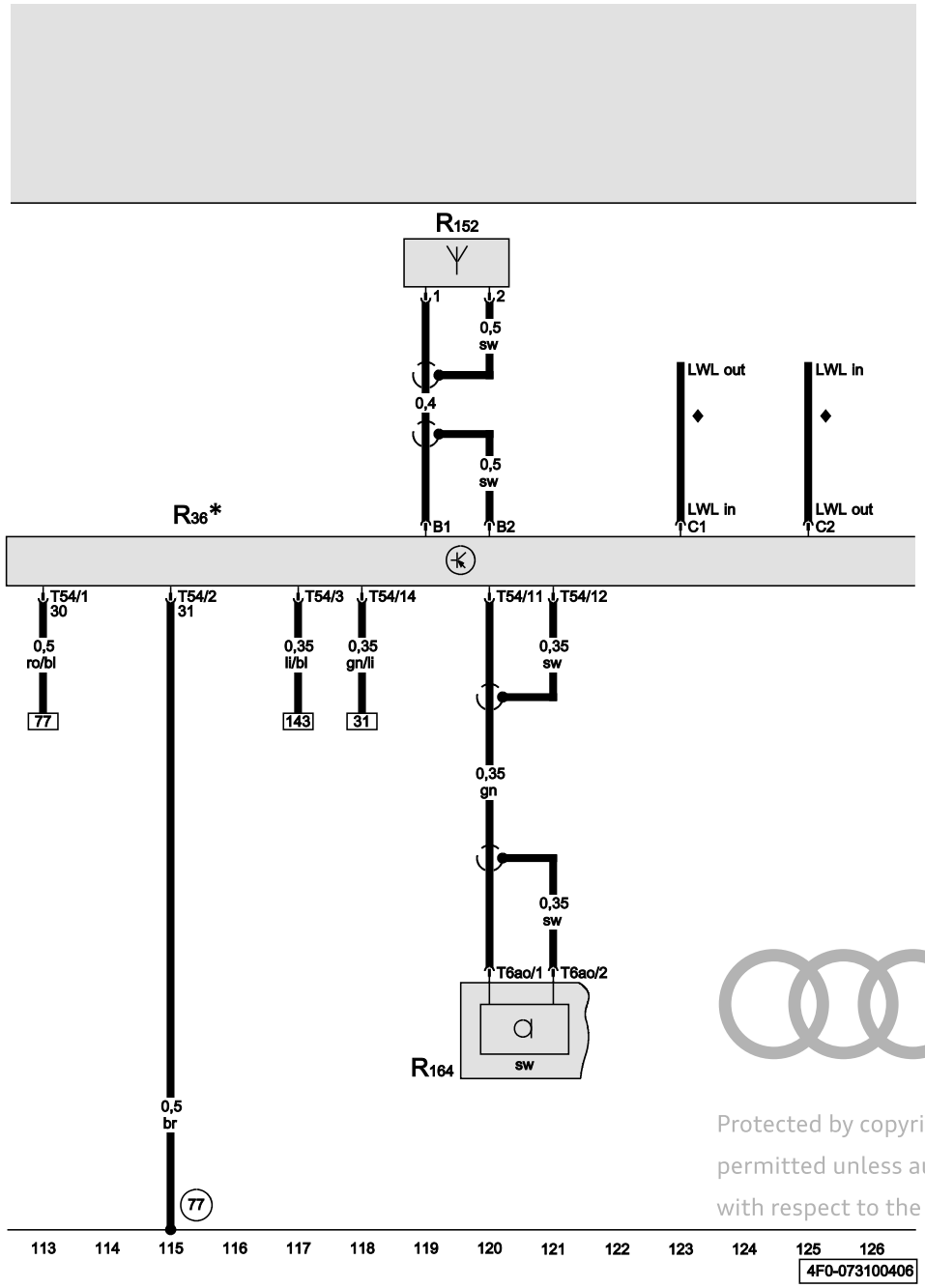
Telephone transmitter and receiver unit, aerial for Bluetooth, telephone handset, radio, telephone and navigation system aerial

J285	Control unit in dash panel insert
R36	Telephone transmitter and receiver unit
R37	Telephone handset
R52	Radio, telephone and navigation system aerial
R126	Telephone bracket
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T12g	12-pin connector, on telephone handset
T32	32-pin connector, grey, on dash panel insert
T42	42-pin connector, on telephone transmitter and receiver unit
659	Earth point 1, on right near rear window
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness
*	roof aerial
#	models with microphone
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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

Telephone transmitter and receiver unit, aerial for Bluetooth

R36	Telephone transmitter and receiver unit
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T54	54-pin connector, black, on telephone transmitter and receiver unit
77	Earth point, lower part of left B-pillar
*	models with preparation for mobile telephone
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



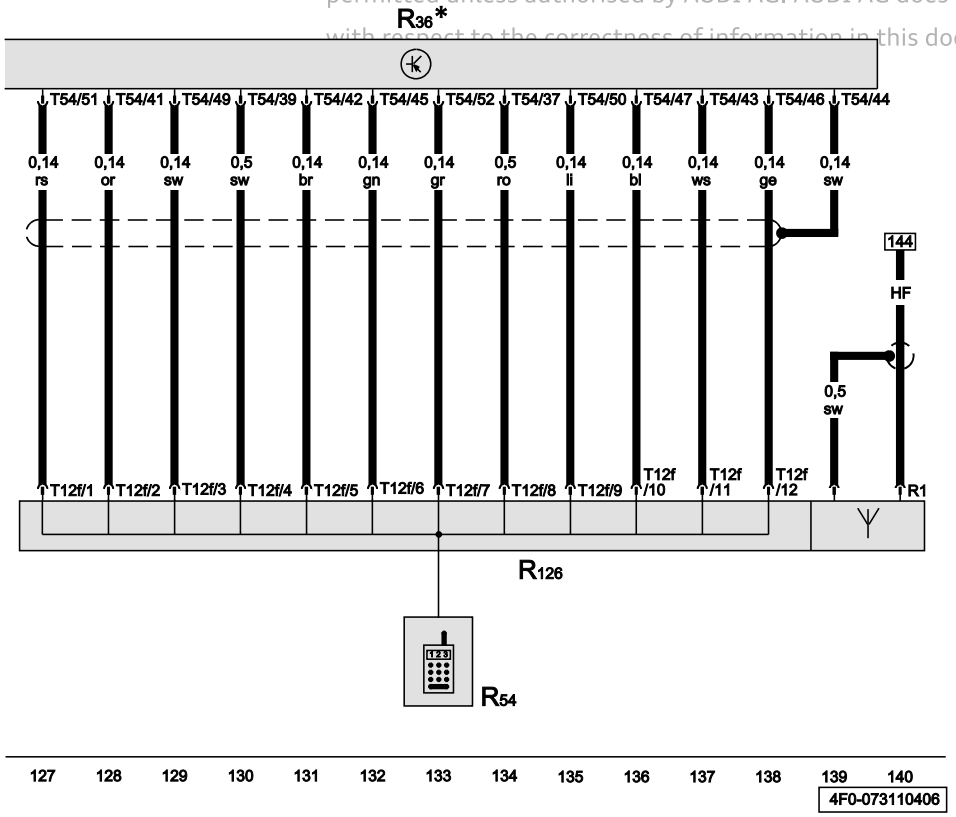
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Telephone transmitter and receiver unit, mobile telephone

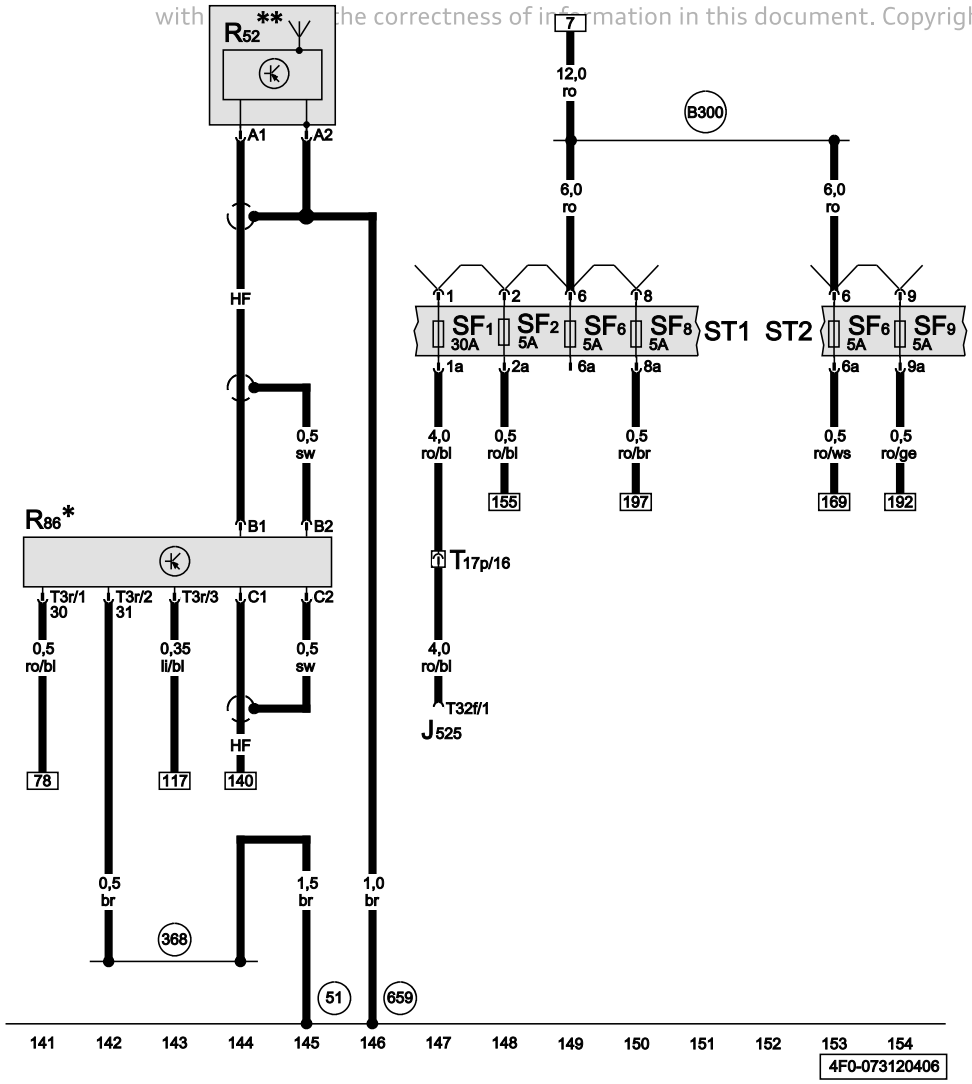
R1	Aerial connection
R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
T12f	12-pin connector, on mobile telephone
T54	54-pin connector, black, on telephone transmitter and receiver unit
*	models with preparation for mobile telephone

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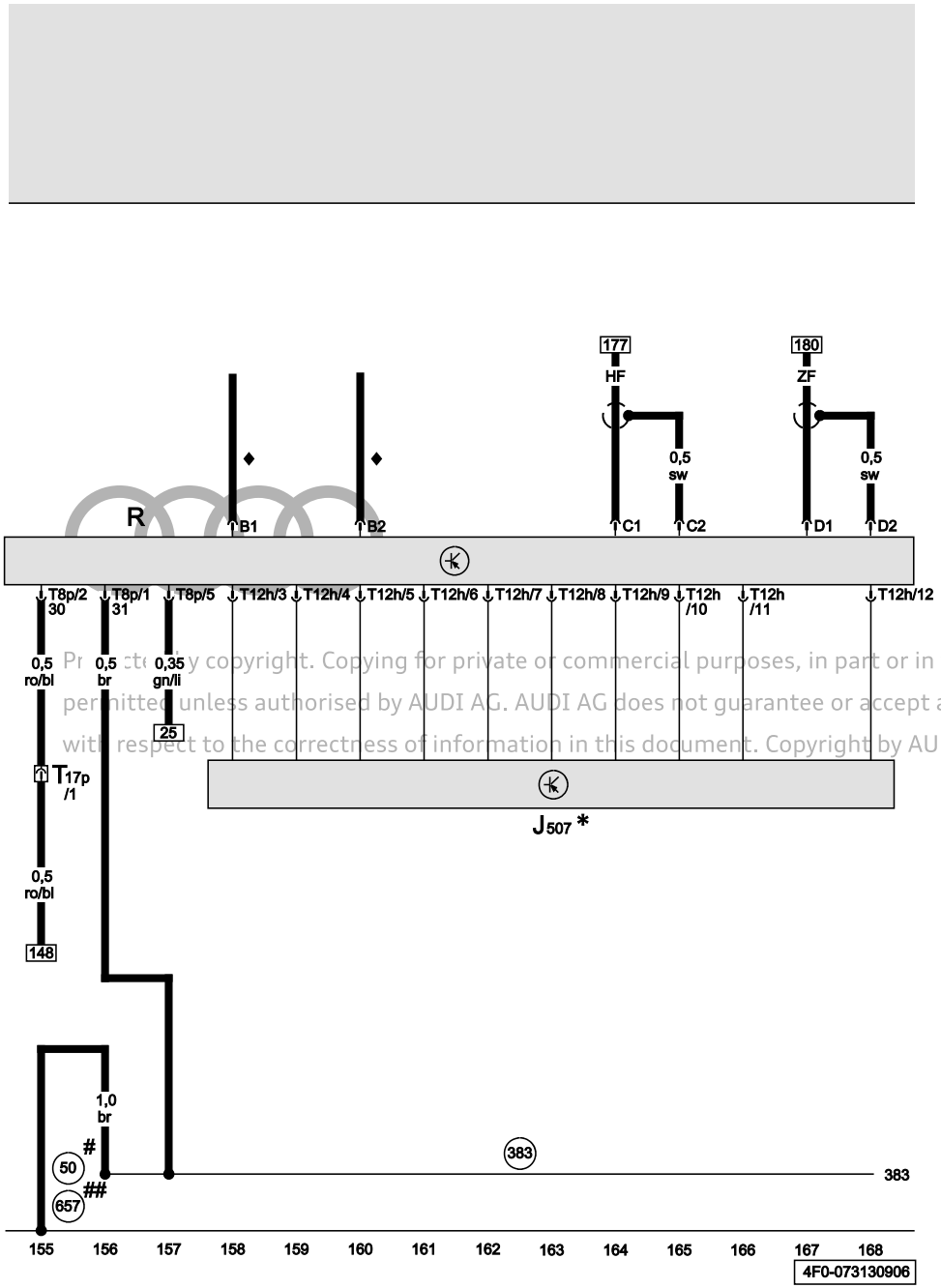
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Aerial amplifier for mobile telephone, radio, telephone and navigation system aerial, fuses

J525	Digital sound package control unit
R52	Radio, telephone and navigation system aerial
R86	Aerial amplifier for mobile telephone
SF1	Fuse 1 on fuse holder F
SF2	Fuse 2 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
SF9	Fuse 9 on fuse holder F
T3r	3-pin connector, black, on aerial amplifier for mobile telephone
T17p	17-pin connector, black, in left luggage compartment
T32f	32-pin connector, black, connector A, on digital sound package control unit
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
659	Earth point 1, on right near rear window
B300	Positive connection 4 (30), in main wiring harness
*	models with preparation for mobile telephone
**	roof aerial

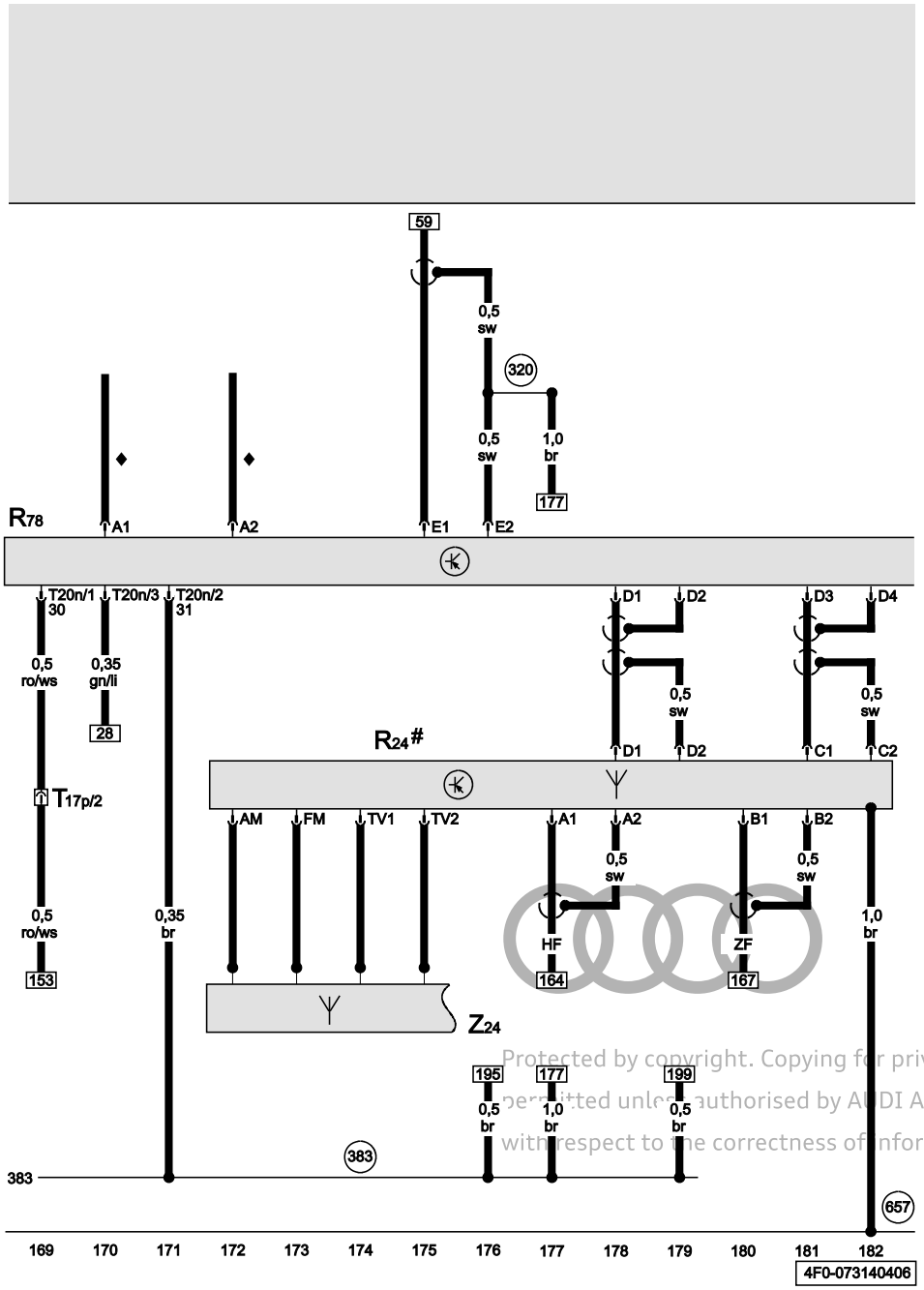


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Radio, language input control unit

J507	Language input control unit
R	Radio
T8p	8-pin connector, black, on radio (K-box)
T12h	12-pin connector, on radio (K-box)
T17p	17-pin connector, black, in left luggage compartment
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
*	with voice control
#	saloon models
##	Avant
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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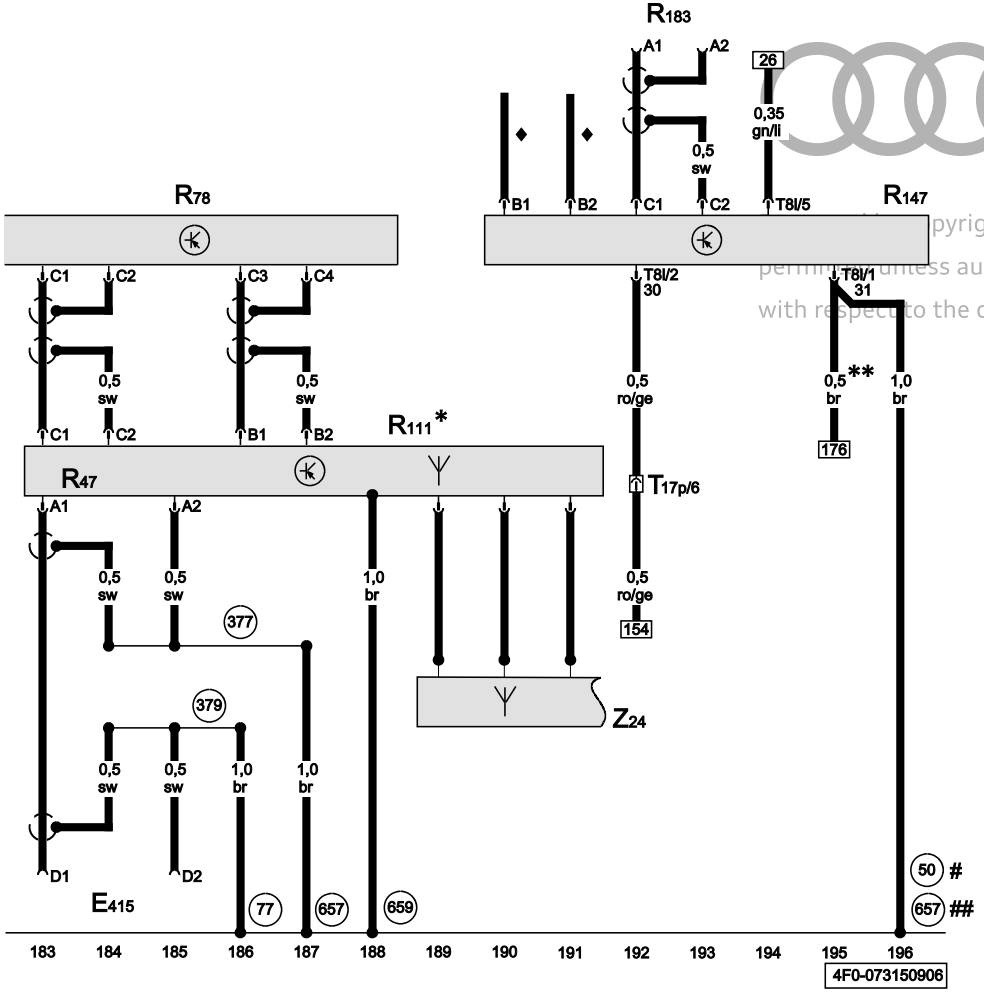
TV tuner, aerial amplifier

R24	Aerial amplifier
R78	TV tuner
T17p	17-pin connector, black, in left luggage compartment
T20n	20-pin connector, red, connector B, on TV tuner
Z24	Heated rear window with window aerial
320	Earth connection (screening 1, TV), in communication wiring harness
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
#	on rear window upper left
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Digital radio, aerial amplifier 2

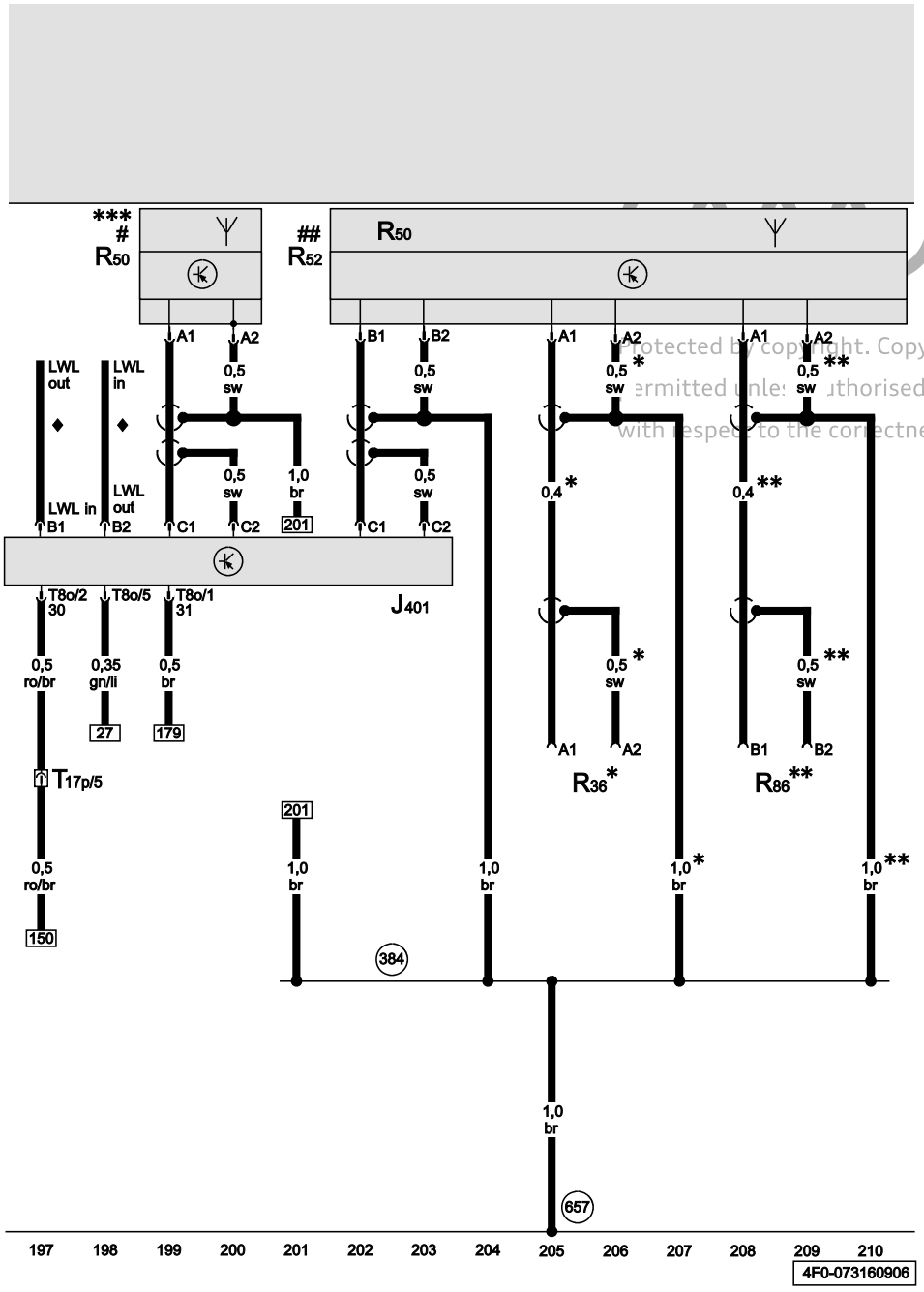


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E415	Entry and start authorisation switch
R47	Central locking and anti-theft alarm system aerial
R78	TV tuner
R111	Aerial amplifier 2
R147	Digital radio
R183	Digital radio aerial
T8l	8-pin connector, black, on digital radio
T17p	17-pin connector, black, left luggage compartment
Z24	Heated rear window with window aerial
50	Earth point, on left in luggage compartment
77	Earth point, lower part of left B-pillar
377	Earth connection 12, in main wiring harness
379	Earth connection 14, in main wiring harness
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
*	on rear window upper right
**	Radio Basic, Basic plus
#	saloon models
##	Avant
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Navigation system with CD drive control unit, telephone and navigation system aerial, navigation system aerial



J401 Navigation system with CD drive control unit
R36 Telephone transmitter and receiver unit
R50 Navigation system aerial
R52 Radio, telephone and navigation system aerial
R86 Aerial amplifier for mobile telephone
T8o 8-pin connector, black, on navigation system with CD drive control unit
T17p 17-pin connector, black, in left luggage compartment

(384) Earth connection 19, in main wiring harness

(657) Earth point 1, on left near rear window

* models with microphone
** models with preparation for mobile telephone
*** models without microphone
\# under roof trim
\#\# roof aerial
◆ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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MMI with 6 channel digital sound package sound system (9VD)

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

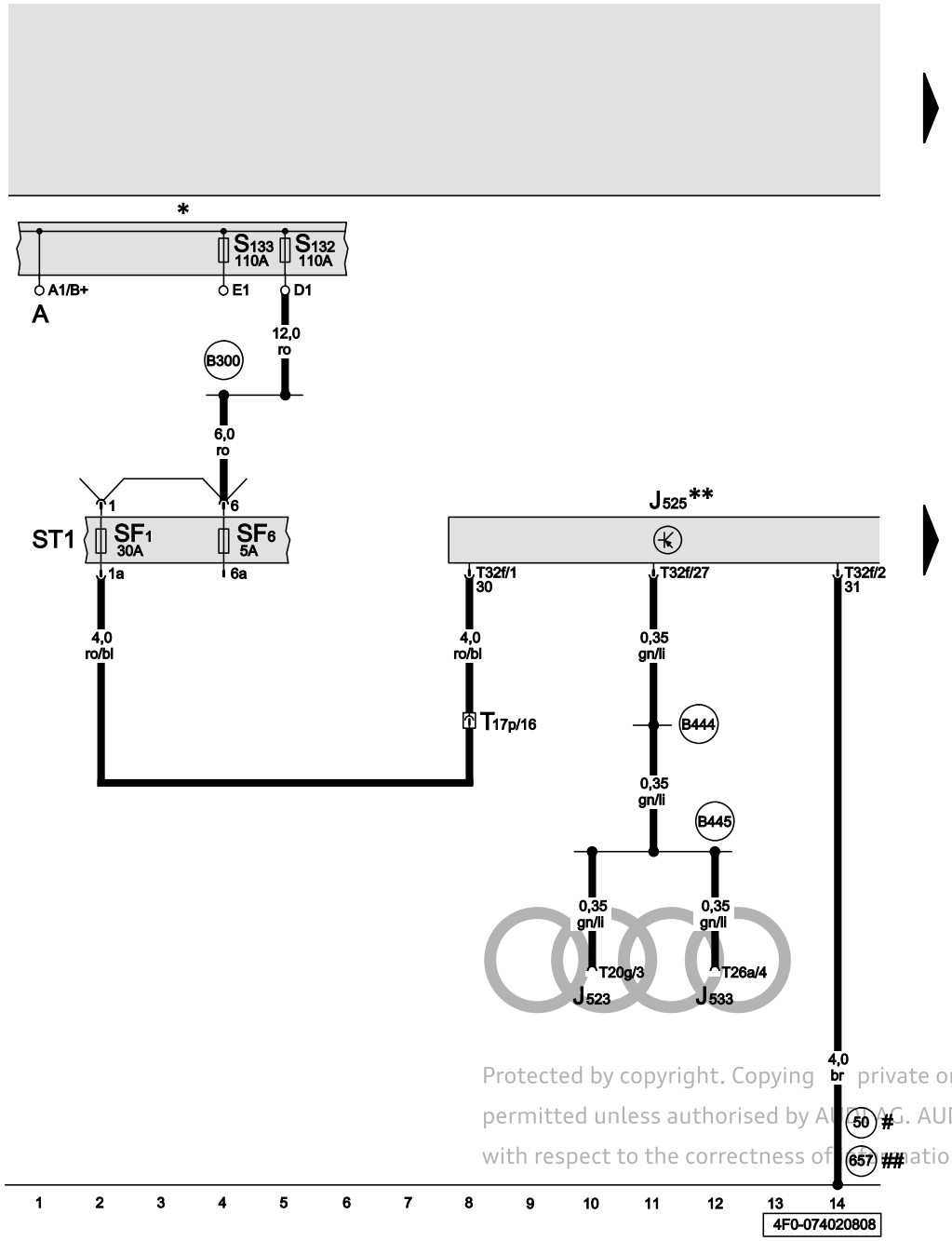
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Digital sound package control unit, fuses

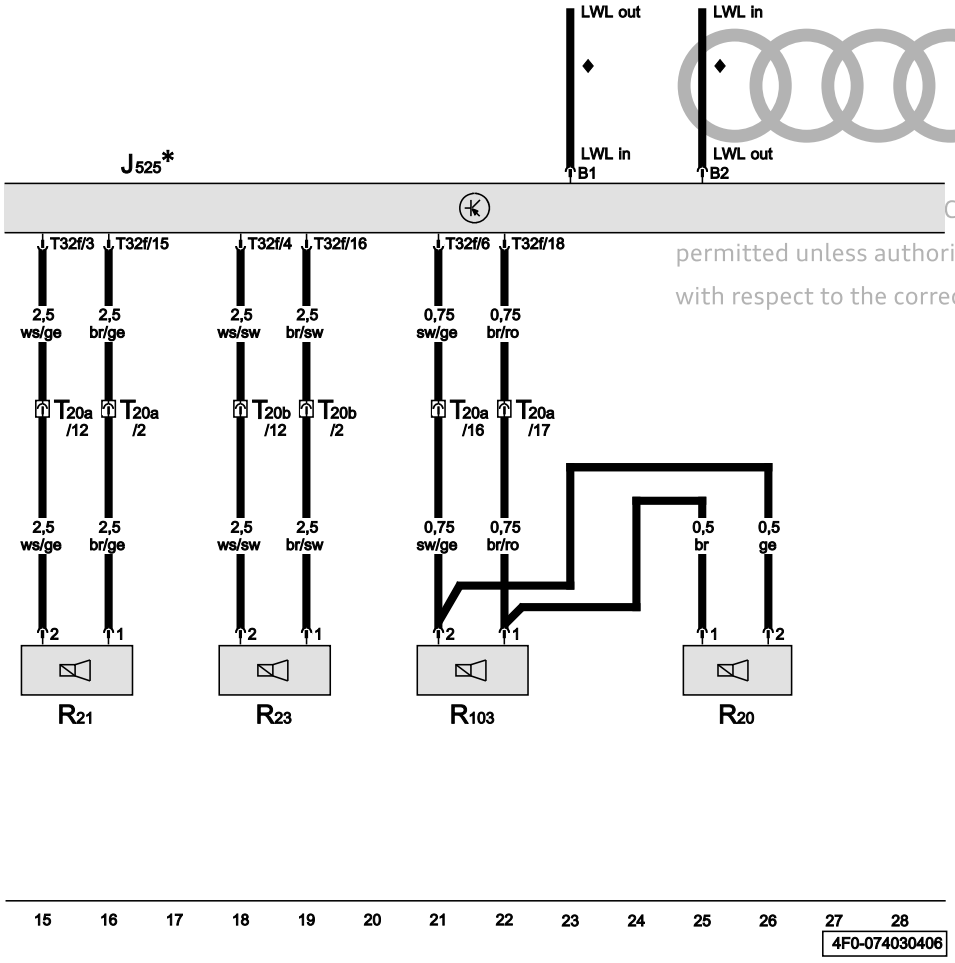
A	Battery
J523	Front information display and operating unit control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
S132	Fuse 2
S133	Fuse 3
SF1	Fuse 1 on fuse holder F
SF6	Fuse 6 on fuse holder F
T17p	17-pin connector, black, in left luggage compartment
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T32f	32-pin connector, black, connector A, on digital sound package control unit
50	Earth point, on left in luggage compartment
657	Earth point 1, on left near rear window
B300	Positive connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	main fuse box, in luggage compartment, rear right, on the battery
**	on left in luggage compartment
#	saloon models
##	Avant

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

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Digital sound package control unit, front left bass loudspeaker, front right bass loudspeaker, front left mid-range loudspeaker

J525	Digital sound package control unit
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R103	Front left mid-range loudspeaker
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



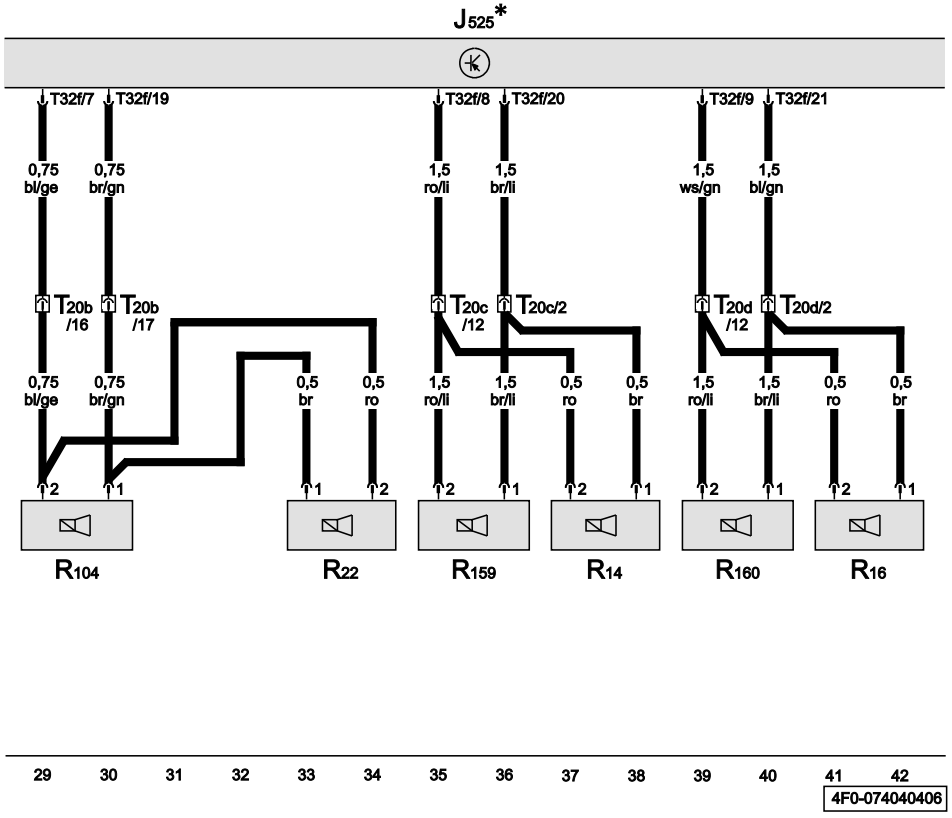
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Digital sound package control unit, front right mid-range loudspeaker, rear left and right mid-range and bass loudspeaker, treble loudspeaker

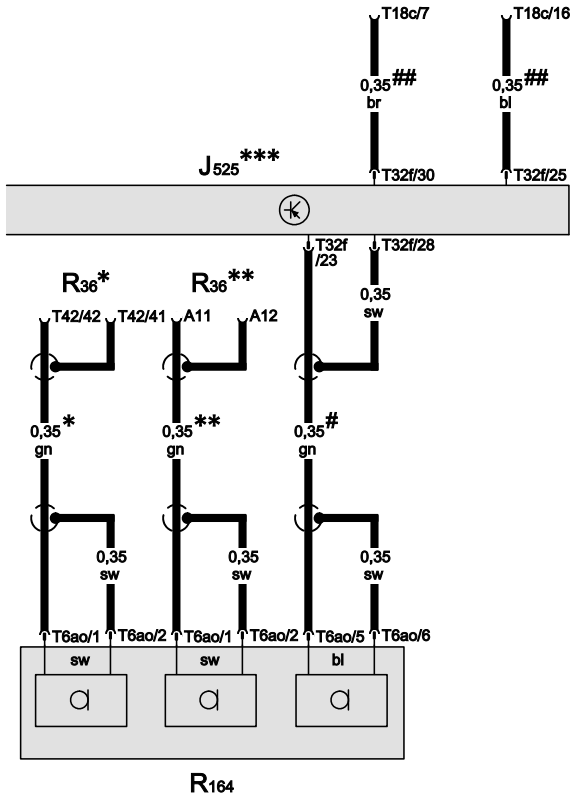
J525	Digital sound package control unit
R14	Rear left treble loudspeaker
R16	Rear right treble loudspeaker
R22	Front right treble loudspeaker
R104	Front right mid-range loudspeaker
R159	Rear left mid-range and bass loudspeaker
R160	Rear right mid-range and bass loudspeaker
T20b	20-pin connector, black, right A-pillar
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment



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

Digital sound package control unit, microphone unit in front roof module

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T18c	18-pin connector, black, behind the glove box
T32f	32-pin connector, black, connector A, on digital sound package control unit
T42	42-pin connector, on telephone transmitter and receiver unit
*	models with microphone
**	models with preparation for mobile telephone
***	on left in luggage compartment
#	models with voice control
##	models with preparation for mobile telephone (9ZD)



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MMI with Bose 6000 soundsystem (8RY)

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

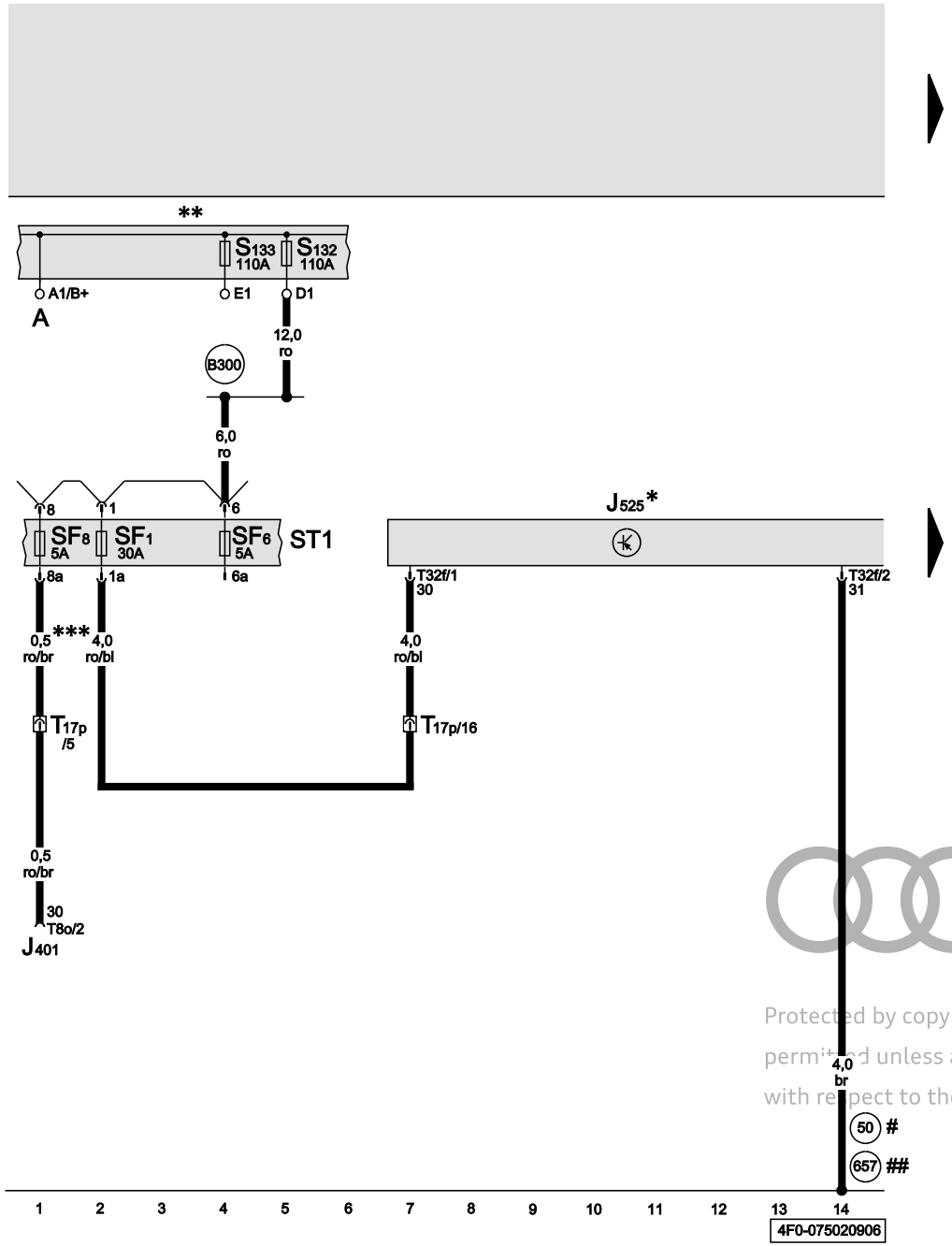
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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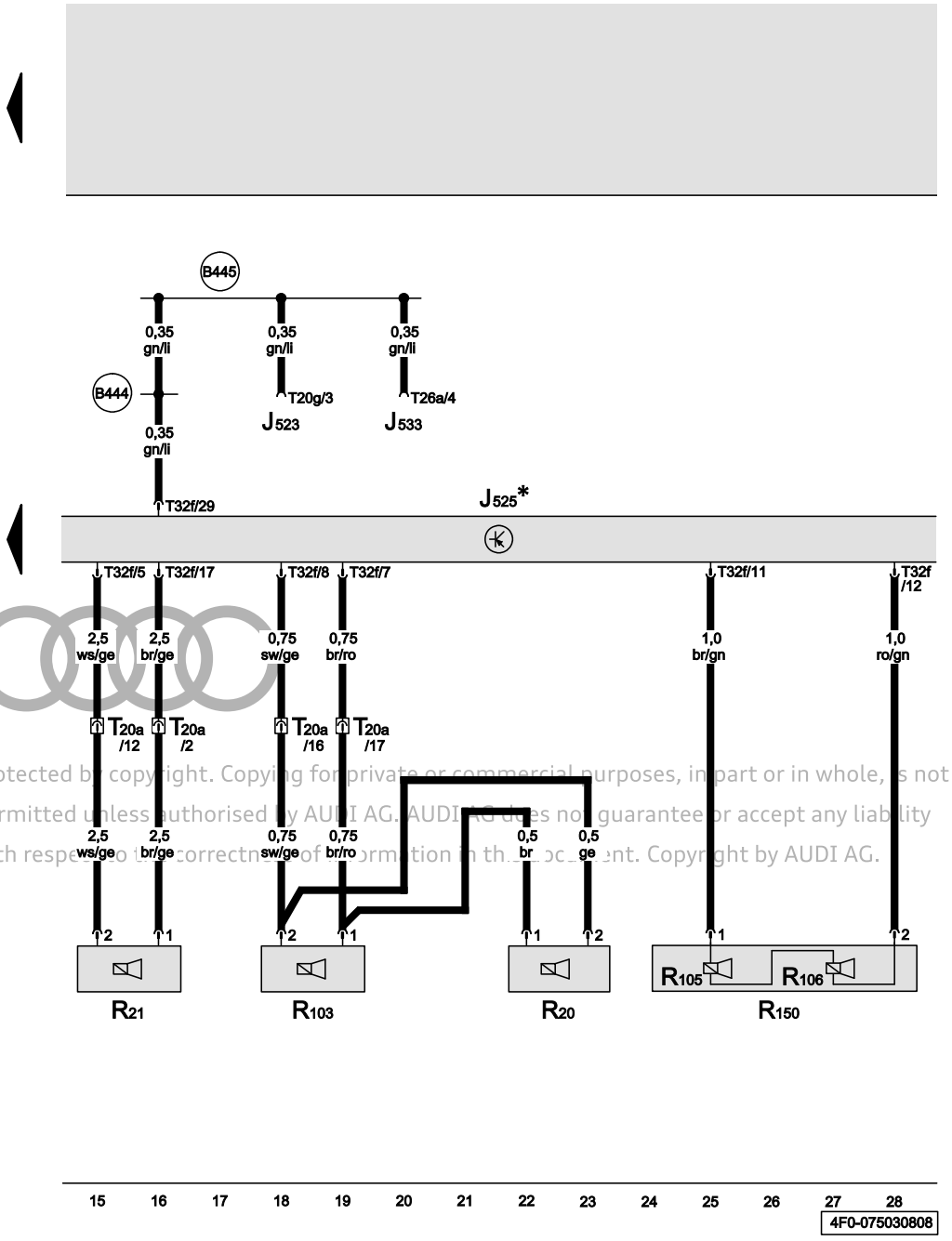


Digital sound package control unit, fuses

A	Battery
J401	Navigation system with CD drive control unit
J525	Digital sound package control unit
S132	Fuse 2
S133	Fuse 3
SF1	Fuse 1 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
T8o	8-pin connector, black, on navigation system with CD drive control unit
T17p	17-pin connector, black, in left luggage compartment
T32f	32-pin connector, black, connector A, on digital sound package control unit
50	Earth point, on left in luggage compartment
657	Earth point 1, on left near rear window
B300	Positive connection 4 (30), in main wiring harness
*	on left in luggage compartment
**	main fuse box, in luggage compartment, rear right, on the battery
***	models with navigation system
#	saloon models
##	Avant

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
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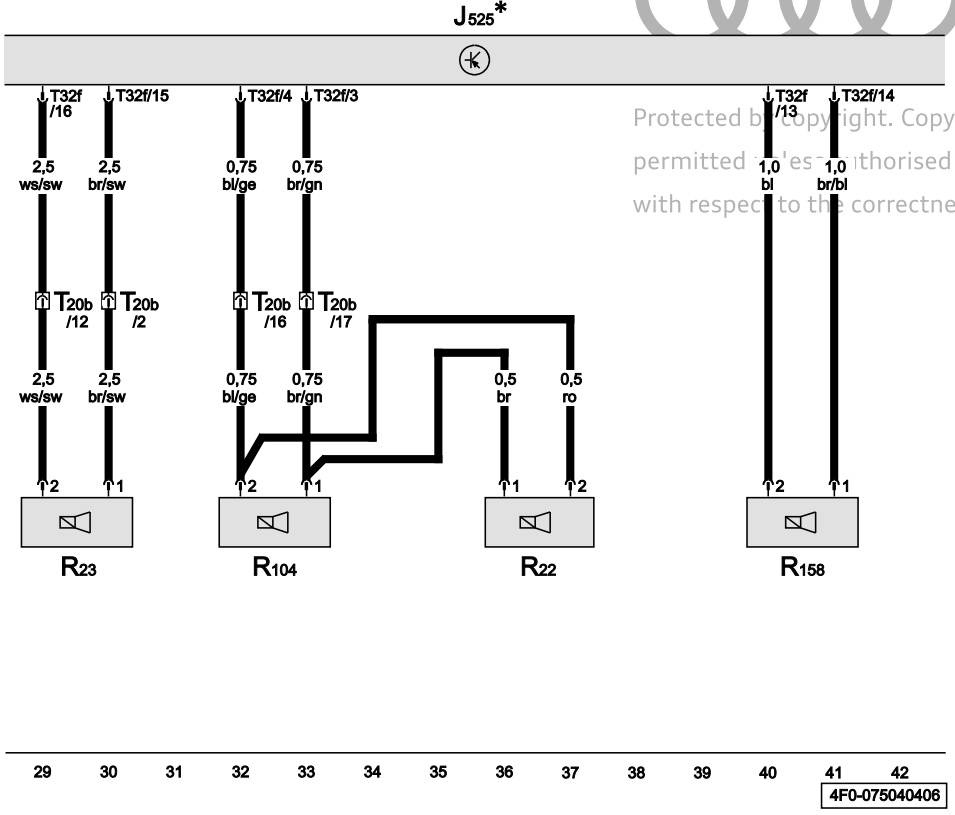
Digital sound package control unit, front left treble loudspeaker, front left bass loudspeaker, front left mid-range loudspeaker, loudspeaker in rear shelf

J523	Front information display and operating unit control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
R103	Front left mid-range loudspeaker
R105	Rear left mid-range loudspeaker
R106	Rear right mid-range loudspeaker
R150	Loudspeaker in rear shelf
T20a	20-pin connector, black, left A-pillar
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T32f	32-pin connector, black, connector A, on digital sound package control unit
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	on left in luggage compartment

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

Digital sound package control unit, front right treble loudspeaker, front right bass loudspeaker, front right mid-range loudspeaker, centre mid-range and treble loudspeaker

J525	Digital sound package control unit
R22	Front right treble loudspeaker
R23	Front right bass loudspeaker
R104	Front right mid-range loudspeaker
R158	Centre mid-range and treble loudspeaker
T20b	20-pin connector, black, right A-pillar
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment

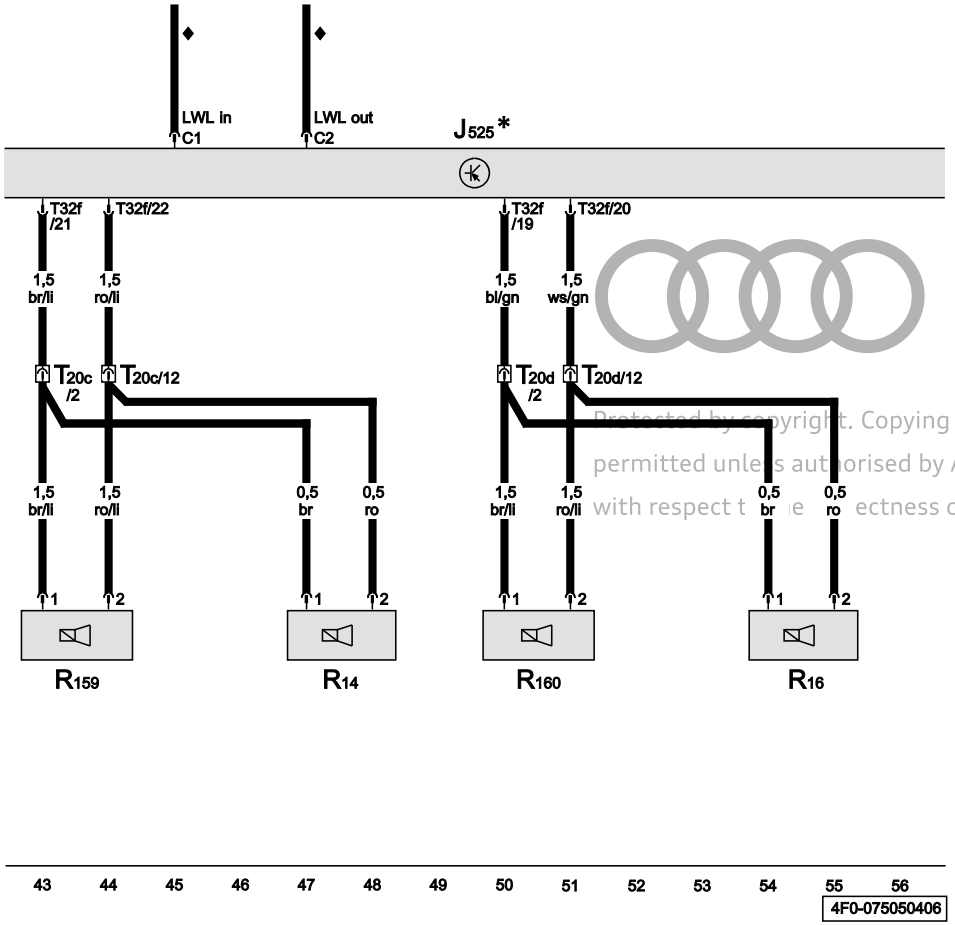


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rs	=	pink

Digital sound package control unit, rear left and right treble loudspeaker, rear left and right mid-range and bass loudspeaker

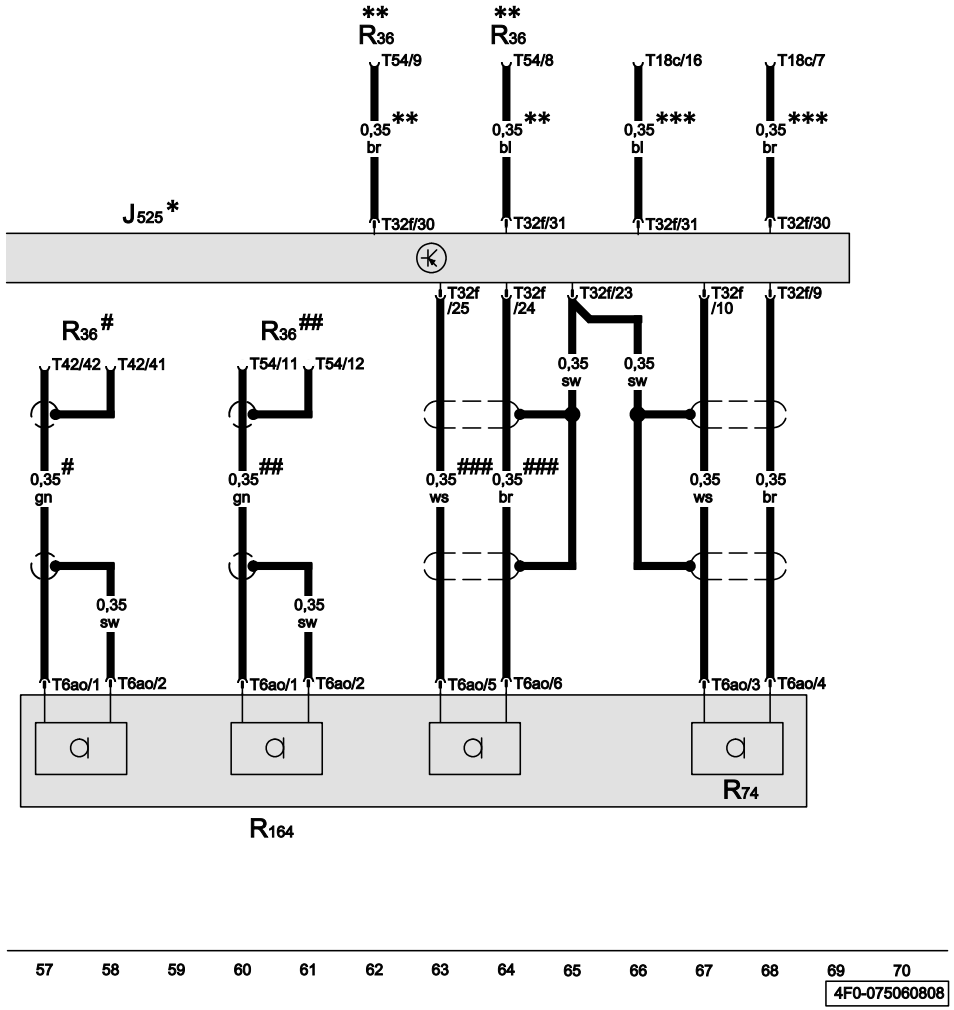
J525	Digital sound package control unit
R14	Rear left treble loudspeaker
R16	Rear right treble loudspeaker
R159	Rear left mid-range and bass loudspeaker
R160	Rear right mid-range and bass loudspeaker
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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Digital sound package control unit, internal microphone, microphone unit in front roof module

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R74	Internal microphone
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T18c	18-pin connector, black, behind the glove box
T32f	32-pin connector, black, connector A, on digital sound package control unit
T42	42-pin connector, blue, on telephone transmitter and receiver unit
T54	54-pin connector, black, on telephone transmitter and receiver unit
*	on left in luggage compartment
**	only Japan
***	models with preparation for mobile telephone (9ZD)
#	models with microphone
##	models with preparation for mobile telephone
###	models with voice control

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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ge	=	yellow
or	=	orange
rs	=	pink

MMI

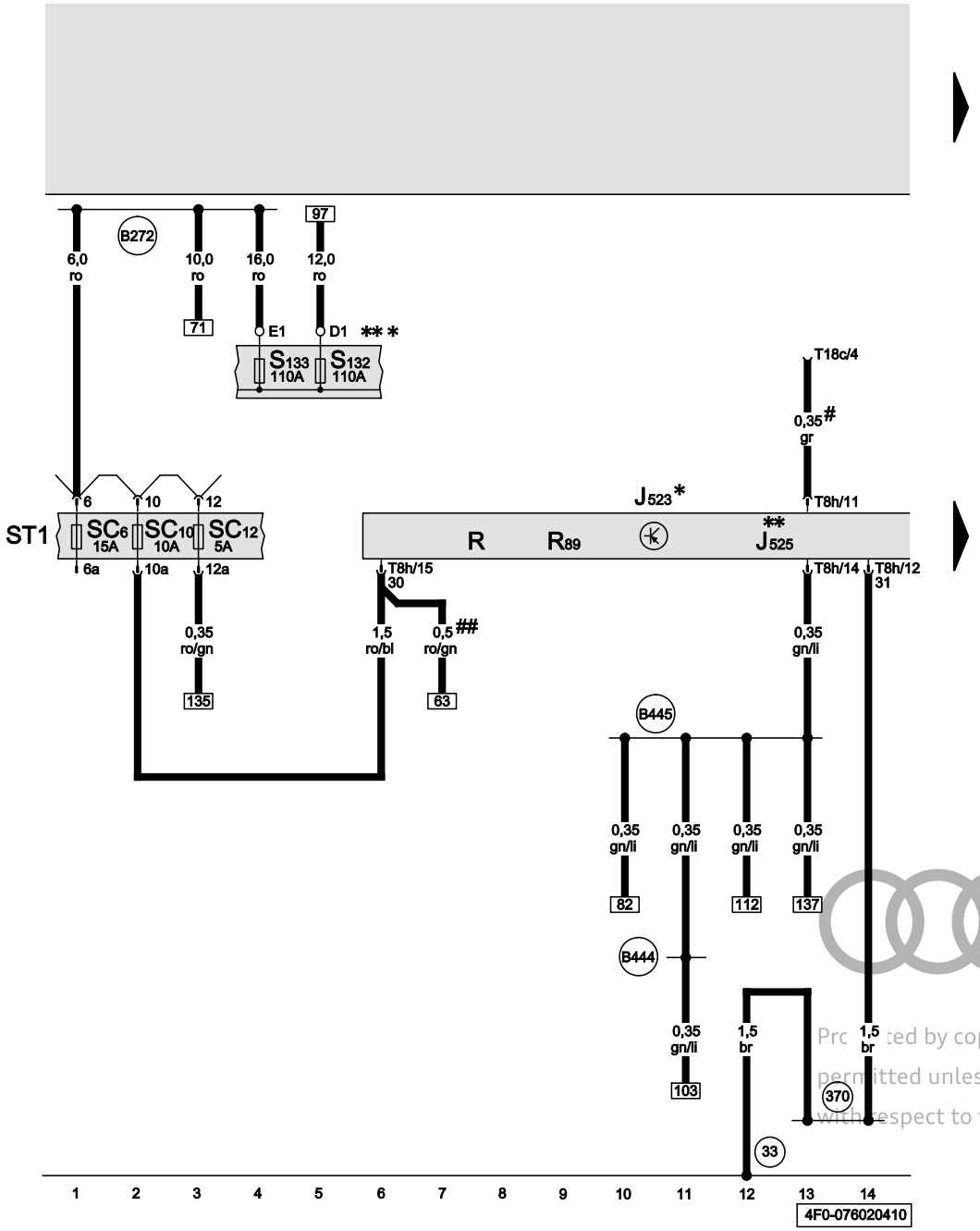
⇒ **MMI basic**
⇒ **MMI basic plus**
⇒ **MMI basic plus navigation system**
from model year 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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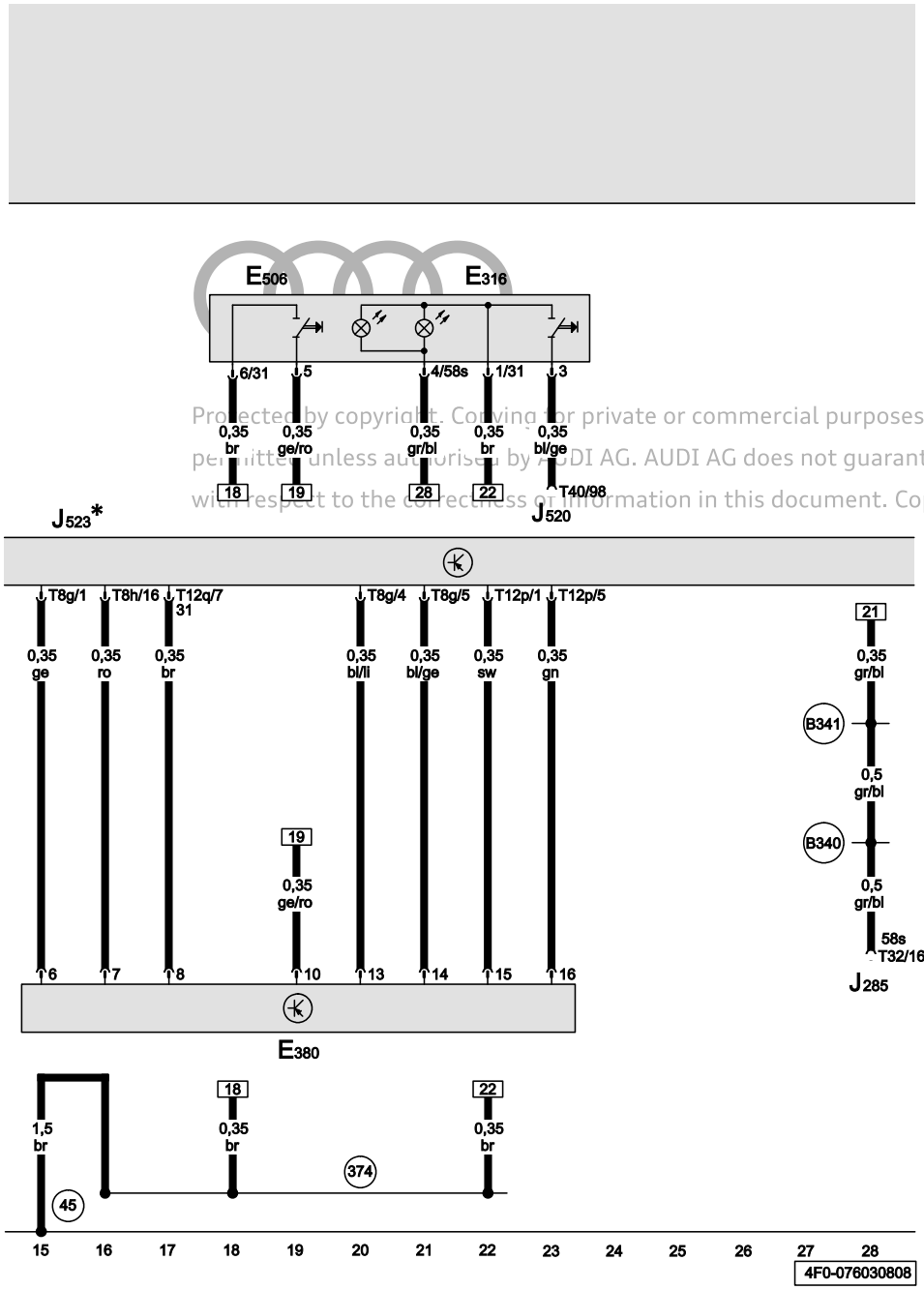


Front information display and operating unit control unit, fuses

J523	Front information display and operating unit control unit
J525	Digital sound package control unit
R	Radio
R89	CD player
S132	Fuse 2
S133	Fuse 3
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC12	Fuse 12 on fuse holder C
T8h	8-pin connector, black, connector D, on front information display and operating unit control unit
T18c	18-pin connector, black, preparation for mobile telephone
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	in glove box
**	only MMI basic
***	main fuse box, in luggage compartment, rear right, on the battery
#	models with preparation for mobile telephone (9ZD)
##	Avant

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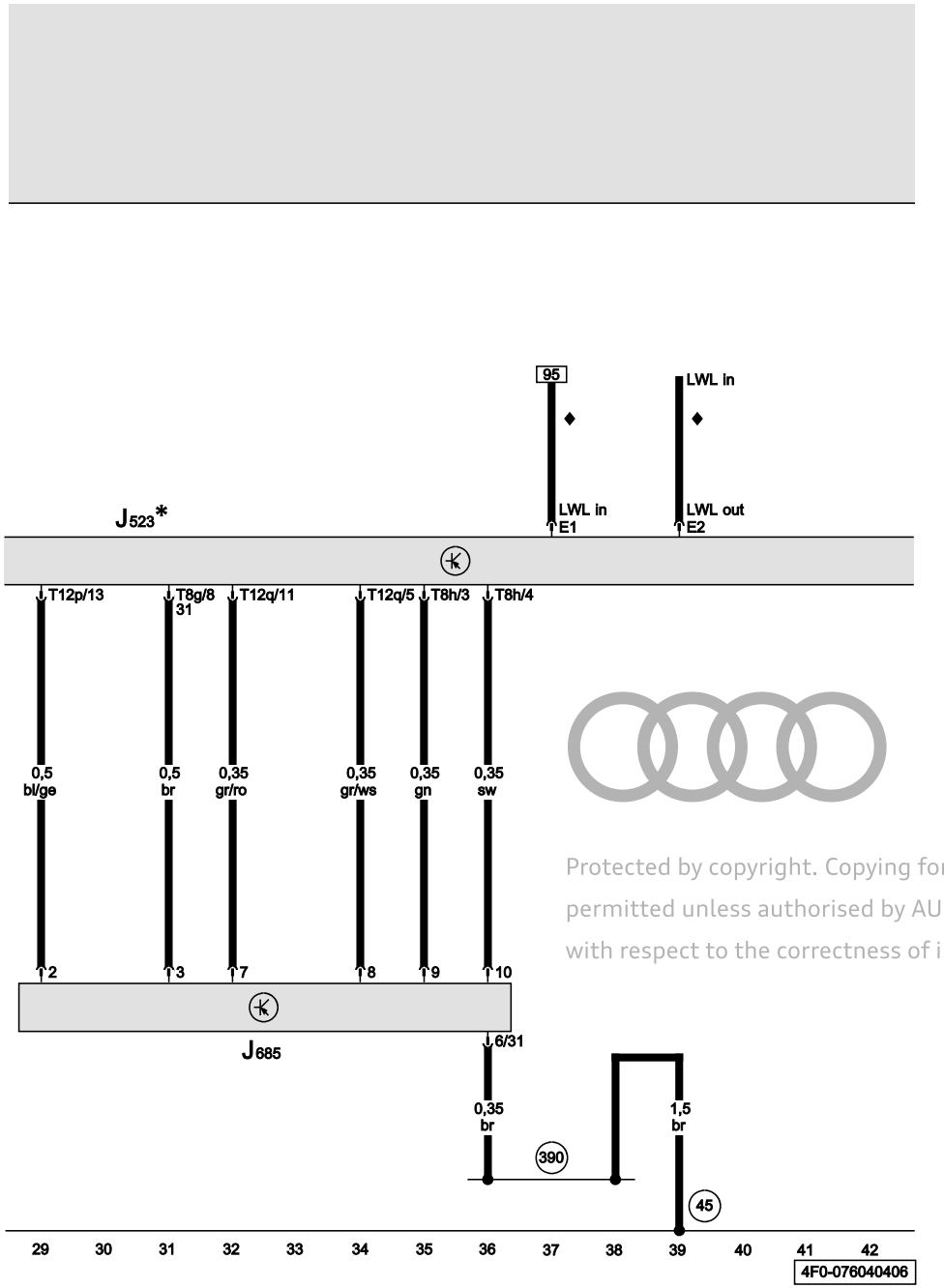


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Front information display and operating unit control unit, multimedia system operating unit, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T8g	8-pin connector, brown, connector A, on front information display and operating unit control unit
T8h	8-pin connector, black, connector D, on front information display and operating unit control unit
T12p	12-pin connector, black, connector B, on front information display and operating unit control unit
T12q	12-pin connector, black, connector C, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	in glove box

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



Front information display and operating unit control unit, display unit for front information display and operating unit control unit

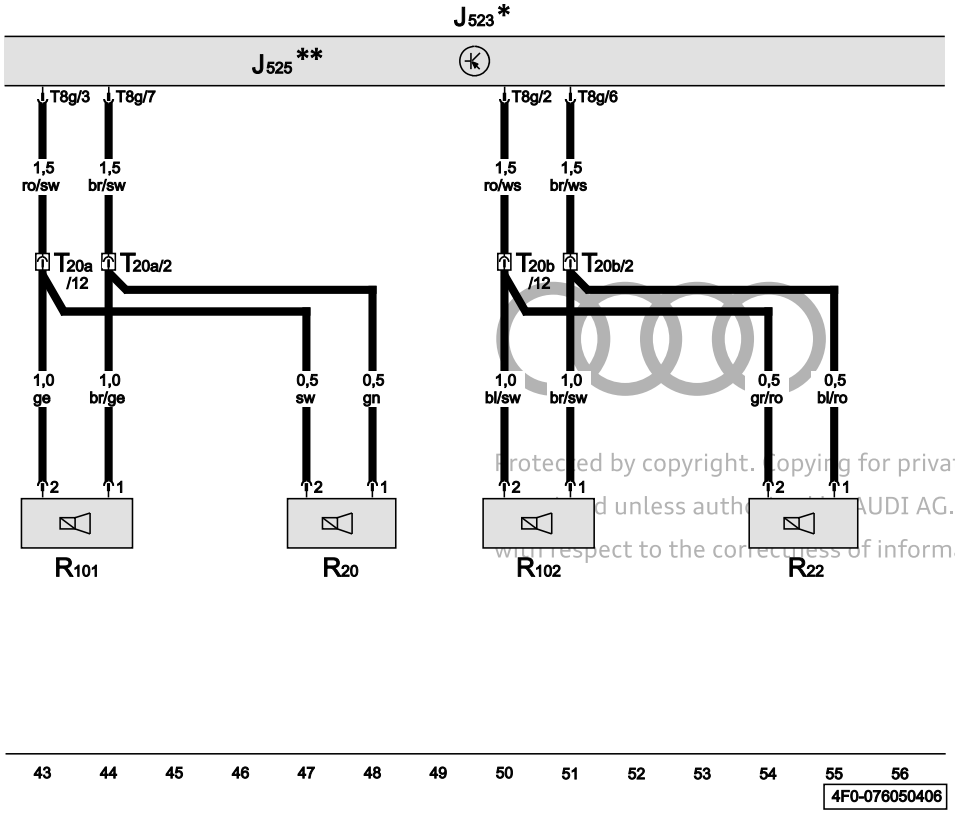
J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
T8g	8-pin connector, brown, connector A, on front information display and operating unit control unit
T8h	8-pin connector, black, connector D, on front information display and operating unit control unit
T12p	12-pin connector, black, connector B, on front information display and operating unit control unit
T12q	12-pin connector, black, connector C, on front information display and operating unit control unit
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
*	in glove box
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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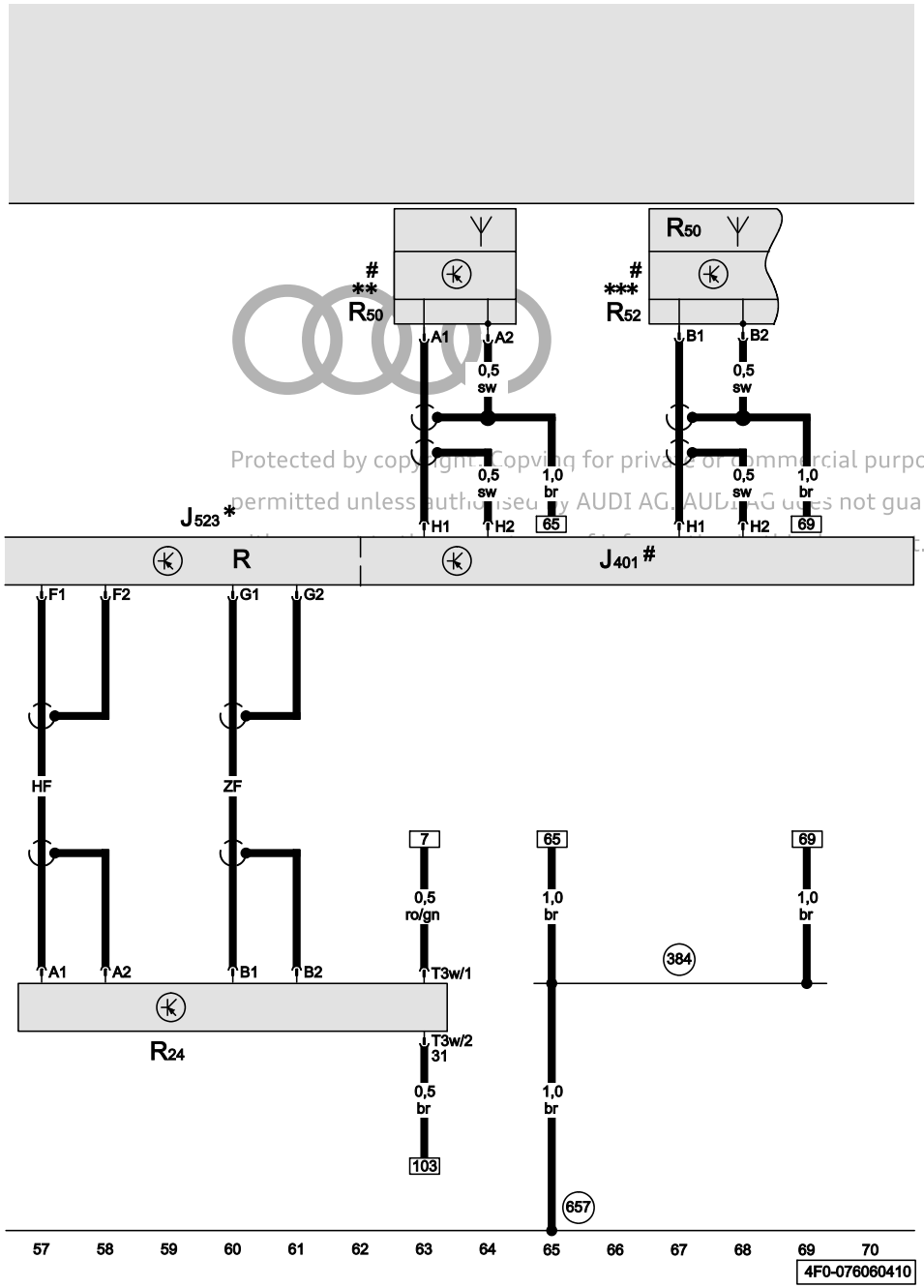
Front information display and operating unit control unit, front left and right mid-range and bass loudspeaker, front left and right treble loudspeaker

J523	Front information display and operating unit control unit
J525	Digital sound package control unit
R20	Front left treble loudspeaker
R22	Front right treble loudspeaker
R101	Front left mid-range and bass loudspeaker
R102	Front right mid-range and bass loudspeaker
T8g	8-pin connector, brown, connector A, on front information display and operating unit control unit
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
*	in glove box
**	only MMI basic



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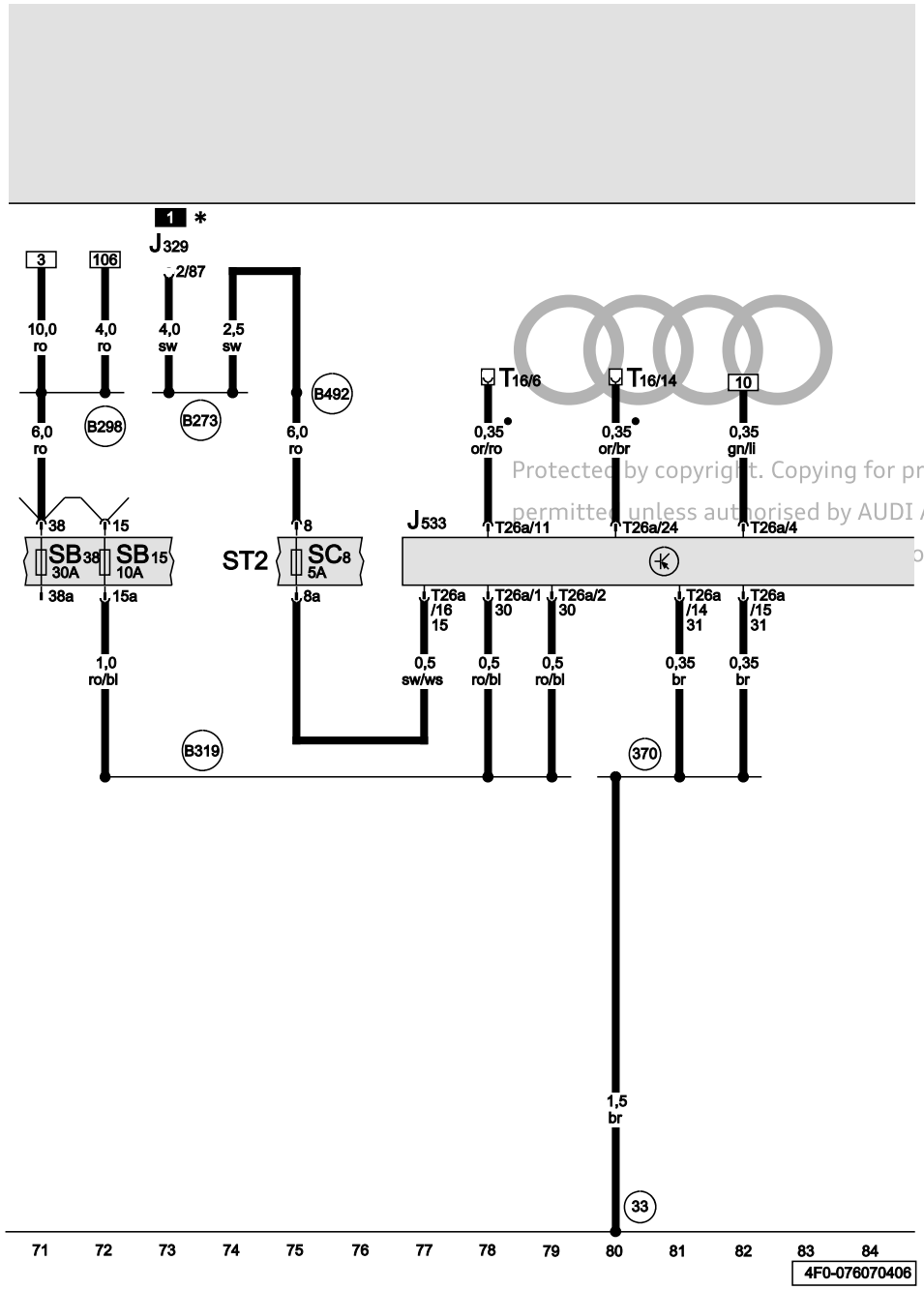


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Front information display and operating unit control unit, aerial amplifier, radio, telephone and navigation system aerial, navigation system aerial

J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
R	Radio
R24	Aerial amplifier
R50	Navigation system aerial
R52	Radio, telephone and navigation system aerial
T3w	3-pin connector, black, on aerial amplifier
(384)	Earth connection 19, in main wiring harness
(657)	Earth point 1, on left near rear window
*	in glove box
**	models without telephone, under rear roof trim
***	models with telephone, roof aerial
#	MMI basic plus navigation system

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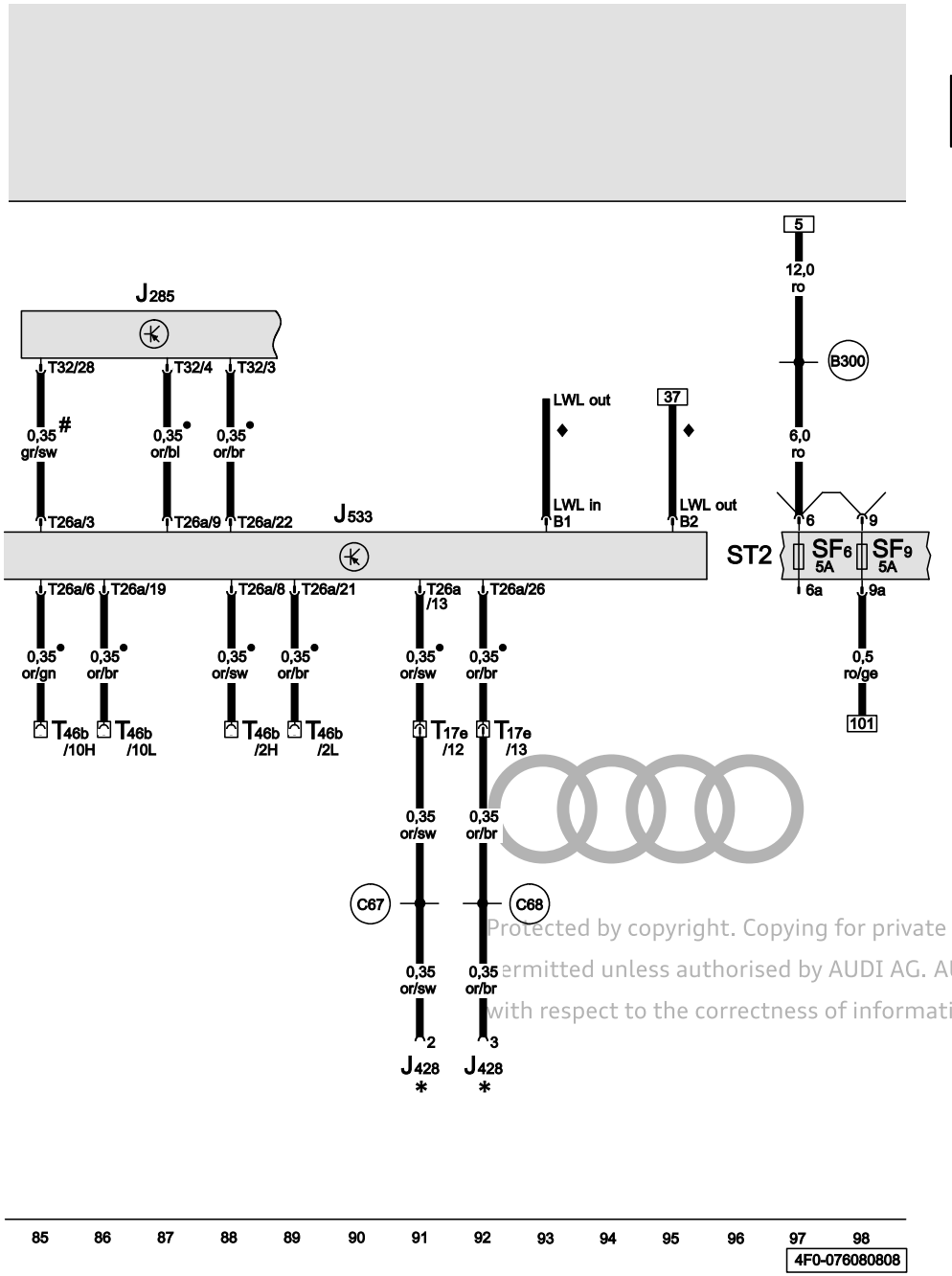


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Data bus diagnostic interface, fuses

J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
SB15	Fuse 15 on fuse holder B
SB38	Fuse 38 on fuse holder B
SC8	Fuse 8 on fuse holder C
T16	16-pin connector, diagnostic connector
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment

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gn	=	green
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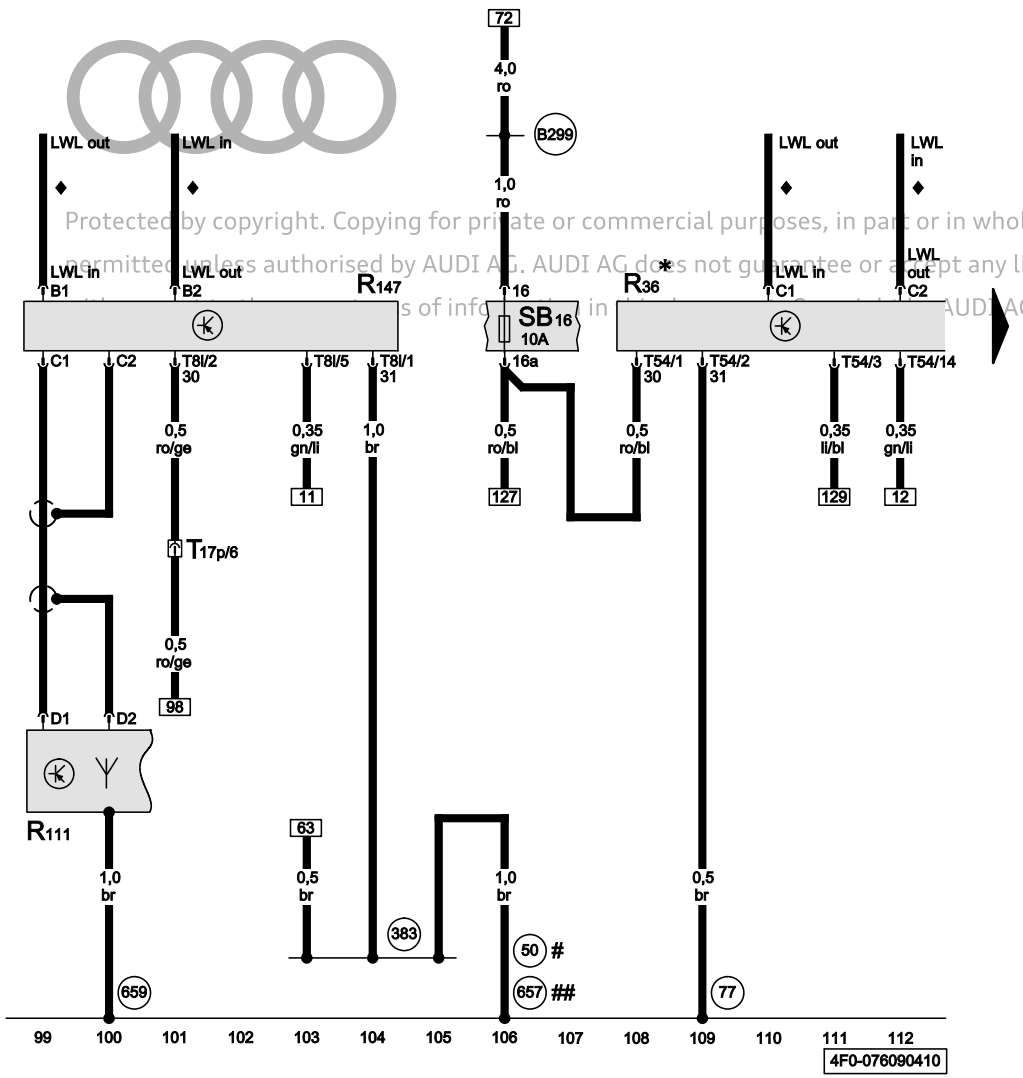


Data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J533	Data bus diagnostic interface
SF6	Fuse 8 on fuse holder F
SF9	Fuse 9 on fuse holder F
T17e	17-pin connector, red, coupling station on left A-pillar
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T46b	46-pin connector, CAN disconnector right
B300	Positive connection 4 (30), in main wiring harness
C67	Connection (CAN bus, high), in headlight wiring harness
C68	Connection (CAN bus, low), in headlight wiring harness
•	CAN bus (data wire)
*	models with distance control
#	Wake Up wire (exciter wire)
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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

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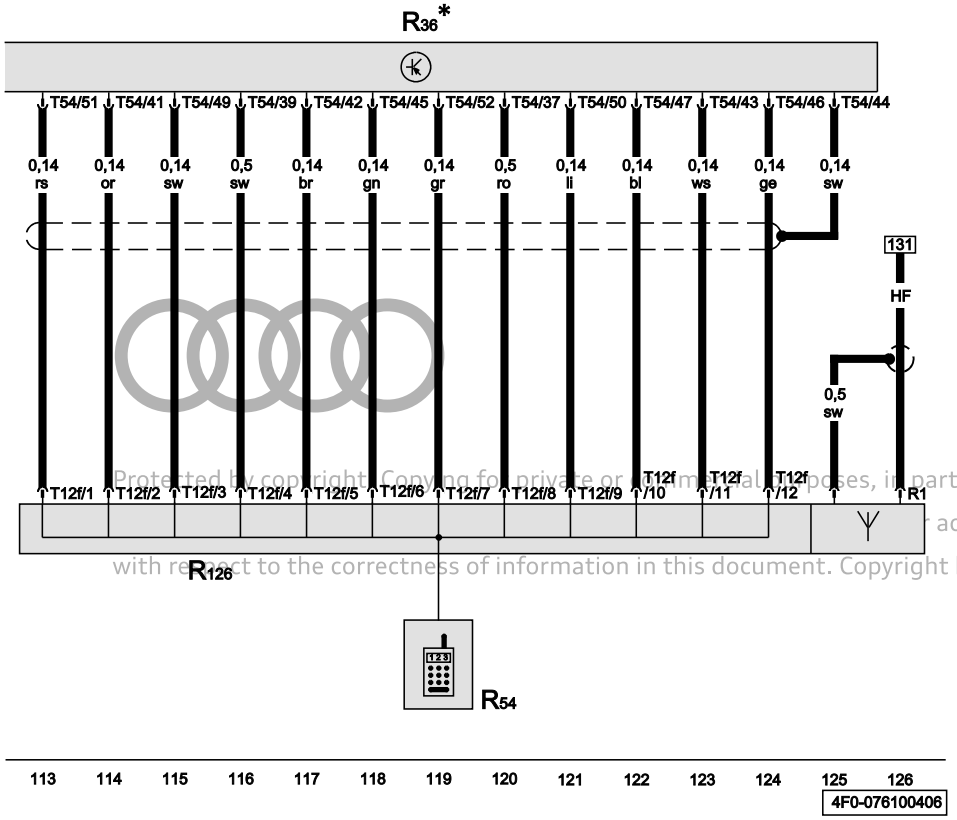
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Digital radio, telephone transmitter and receiver unit, aerial amplifier 2

R36	Telephone transmitter and receiver unit
R111	Aerial amplifier 2
R147	Digital radio
SB16	Fuse 16 on fuse holder B
T8l	8-pin connector, black, on digital radio
T17p	17-pin connector, black, in left luggage compartment
T54	54-pin connector, black, on telephone transmitter and receiver unit
50	Earth point, on left in luggage compartment
77	Earth point, lower part of left B-pillar
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
B299	Positive connection 3 (30), in main wiring harness
*	models with preparation for mobile telephone
#	saloon models
##	Avant
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

Telephone transmitter and receiver unit, mobile telephone

R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
T12f	12-pin connector, on mobile telephone
T54	54-pin connector, black, on telephone transmitter and receiver unit
*	models with preparation for mobile telephone

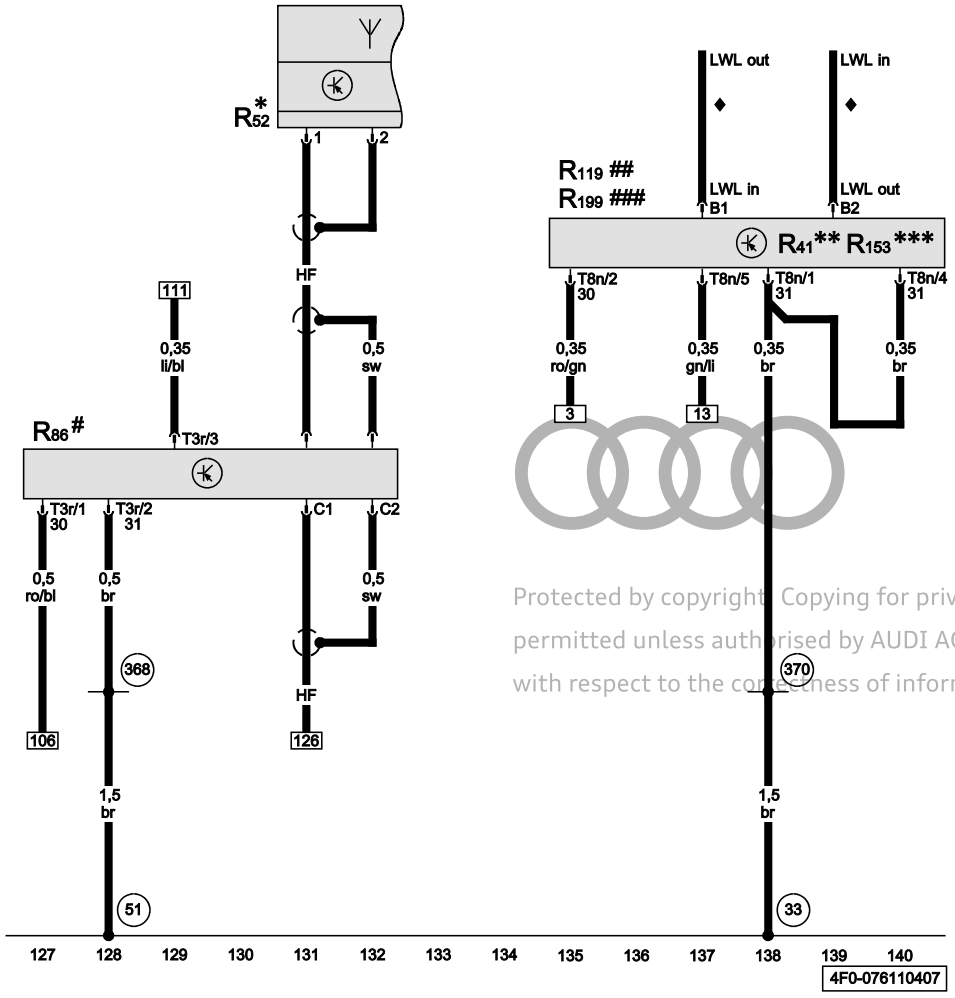


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Aerial amplifier for mobile telephone, radio, telephone and navigation system aerial, media player in position 2

R41	CD changer
R52	Radio, telephone and navigation system aerial
R86	Aerial amplifier for mobile telephone
R119	Media player in position 2
R153	MiniDisc player
R199	Connection for external audio source
T3r	3-pin connector, black, on aerial amplifier for mobile telephone
T8n	8-pin connector, black, on media player in position 2
33	Earth point, on right behind dash panel
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
*	roof aerial
**	models with CD changer
***	models with MiniDisc player
#	models with preparation for mobile telephone
##	up to October 2006
###	from November 2006
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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Navigation system

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

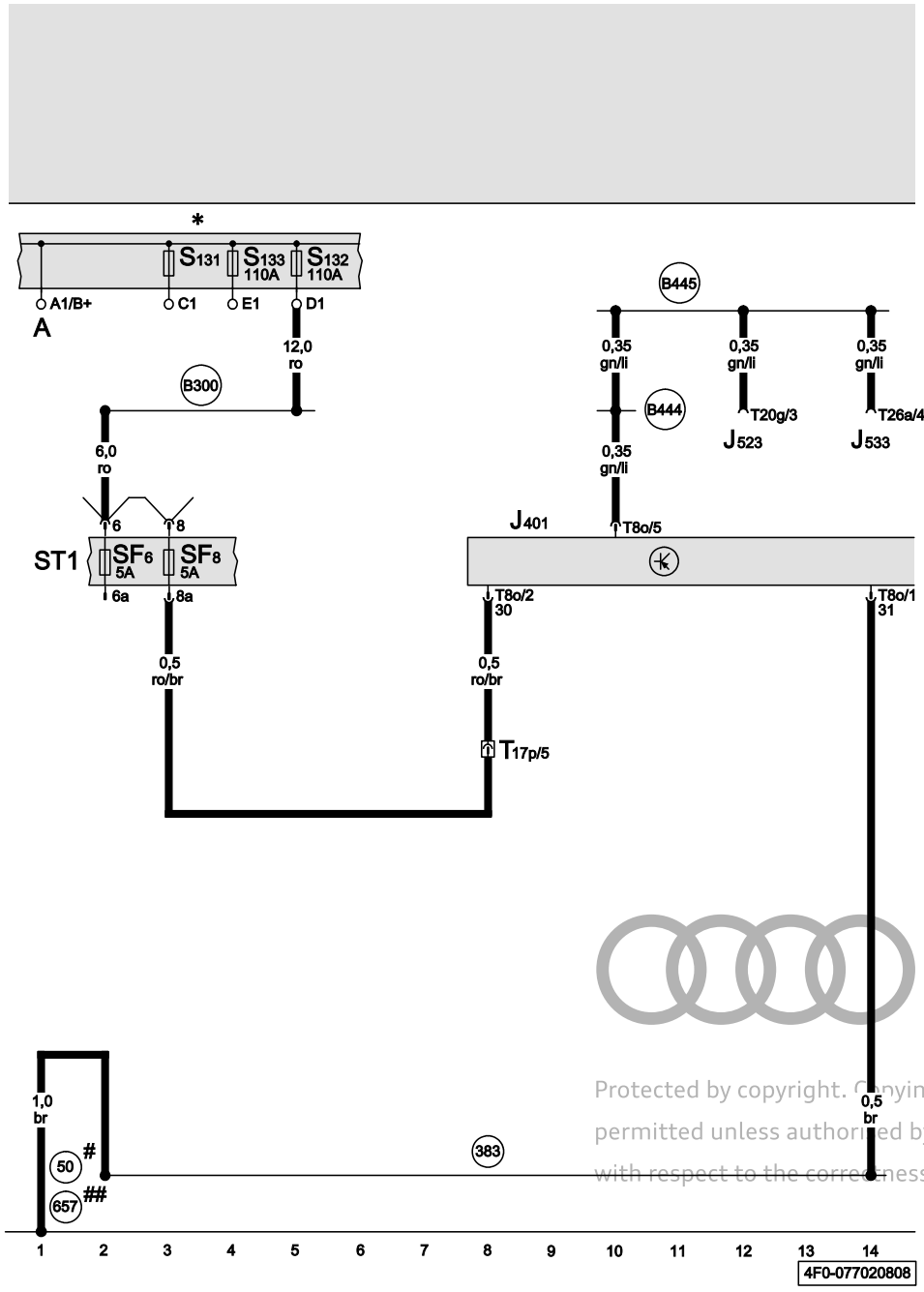
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Navigation system with CD drive control unit, fuses

A	Battery
J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
T8o	8-pin connector, black, on navigation system with CD drive control unit
T17p	17-pin connector, black, in left luggage compartment
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T26a	26-pin connector, black, on data bus diagnostic interface
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
B300	Positive connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	main fuse box, in luggage compartment, rear right, on the battery
#	saloon models
##	Avant

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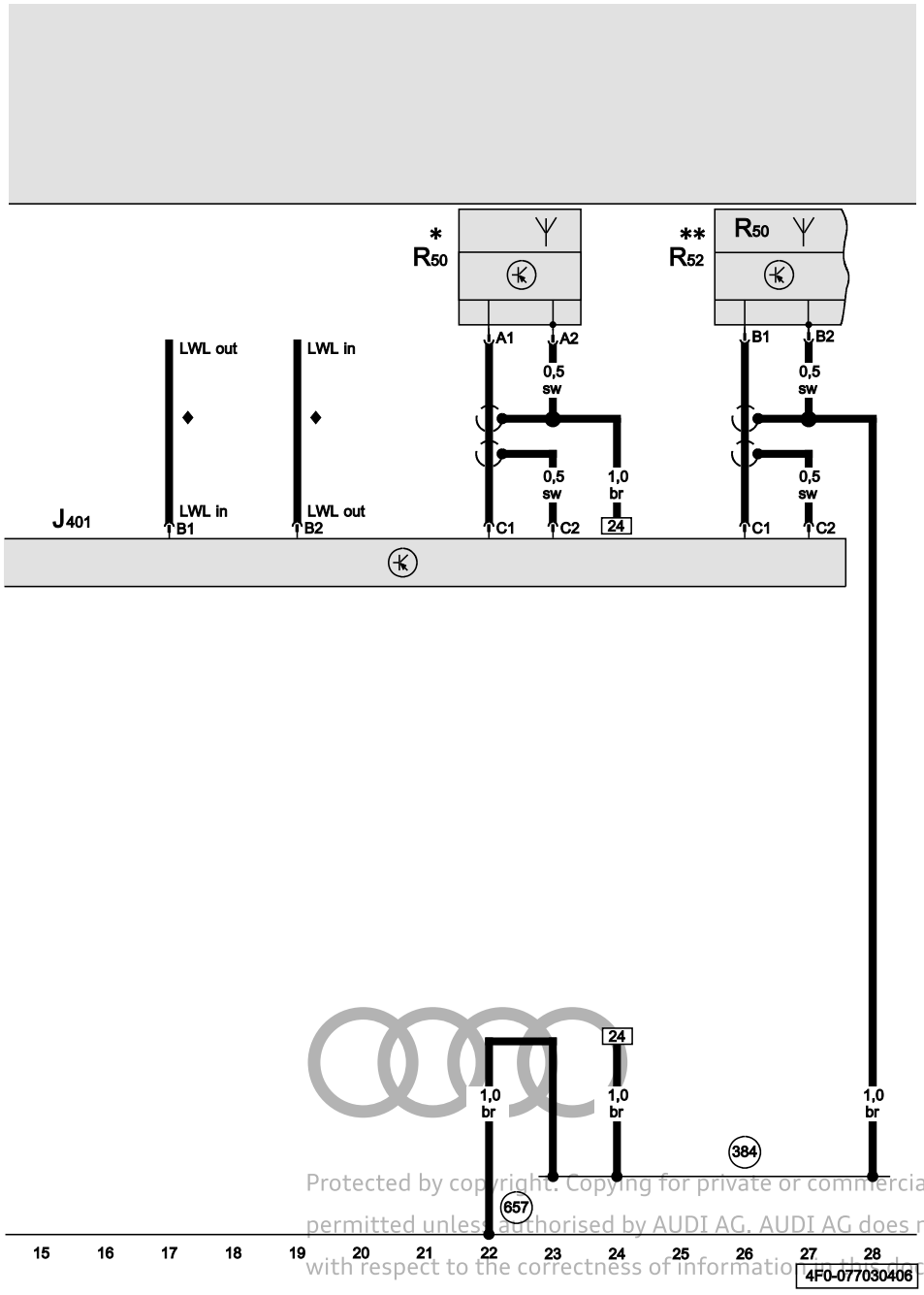
Navigation system with CD drive control unit, telephone and navigation system aerial, navigation system aerial

J401 Navigation system with CD drive control unit
R50 Navigation system aerial
R52 Radio, telephone and navigation system aerial

384 Earth connection 19, in main wiring harness

657 Earth point 1, on left near rear window

* models without telephone, under rear roof trim
** models with telephone, roof aerial
◆ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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gn = green
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Bluetooth car phone (9ZW)

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

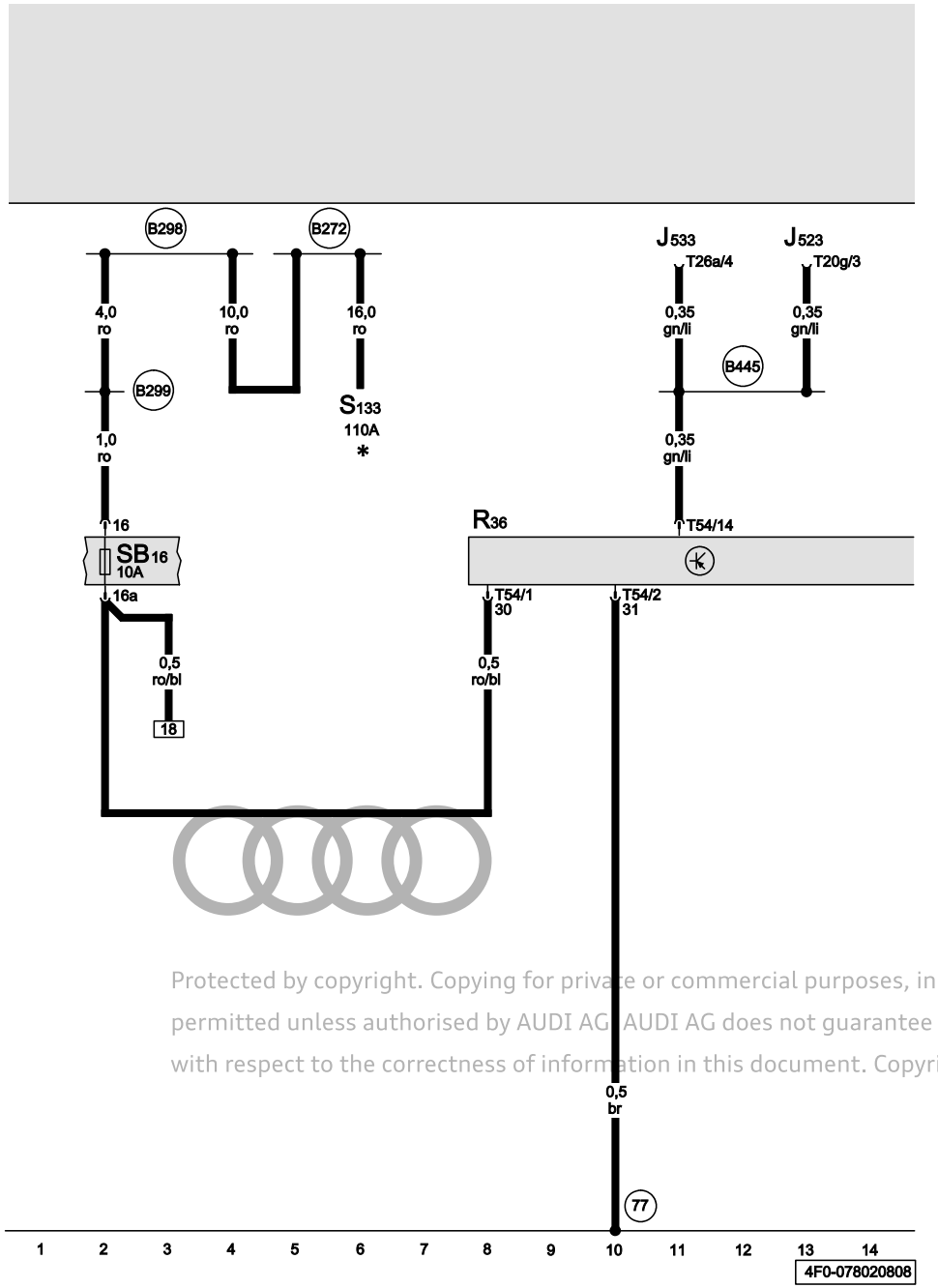
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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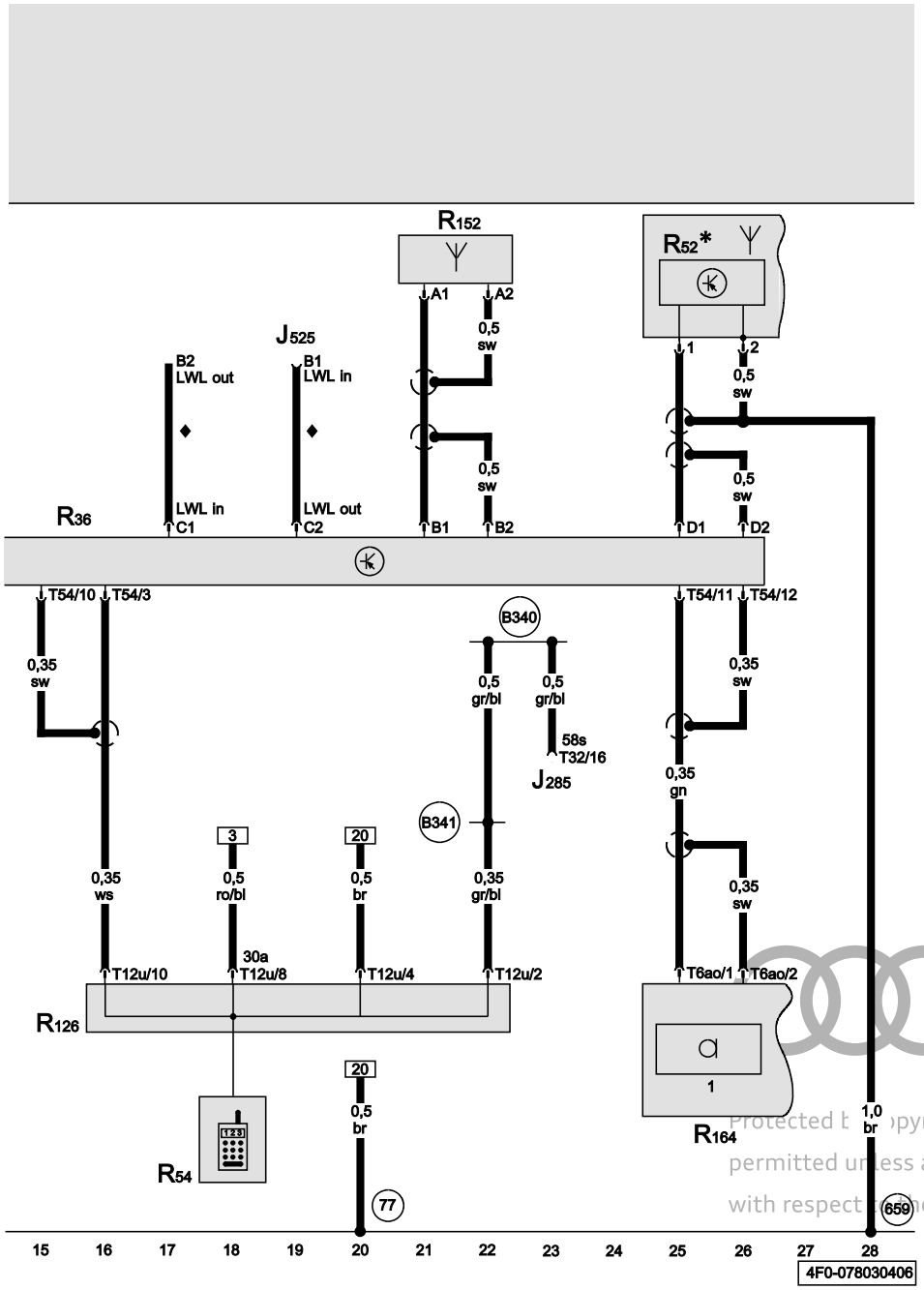


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Telephone transmitter and receiver unit

J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
R36	Telephone transmitter and receiver unit
S133	Fuse 3
SB16	Fuse 16 on fuse holder B
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T54	54-pin connector, black, on telephone transmitter and receiver unit
77	Earth point, lower part of left B-pillar
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
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	main fuse box, in luggage compartment, rear right, on the battery

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



Telephone transmitter and receiver unit, aerial for Bluetooth, radio, telephone and navigation system aerial, microphone unit in front roof module, mobile telephone

J285	Control unit in dash panel insert
J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R52	Radio, telephone and navigation system aerial
R54	Mobile telephone
R126	Telephone bracket
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T12u	12-pin connector, black, on Bluetooth Handset
T32	32-pin connector, grey, on dash panel insert
T54	54-pin connector, black, on telephone transmitter and receiver unit
77	Earth point, lower part of left B-pillar
659	Earth point 1, on right near rear window
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	roof aerial
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
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Telephone

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

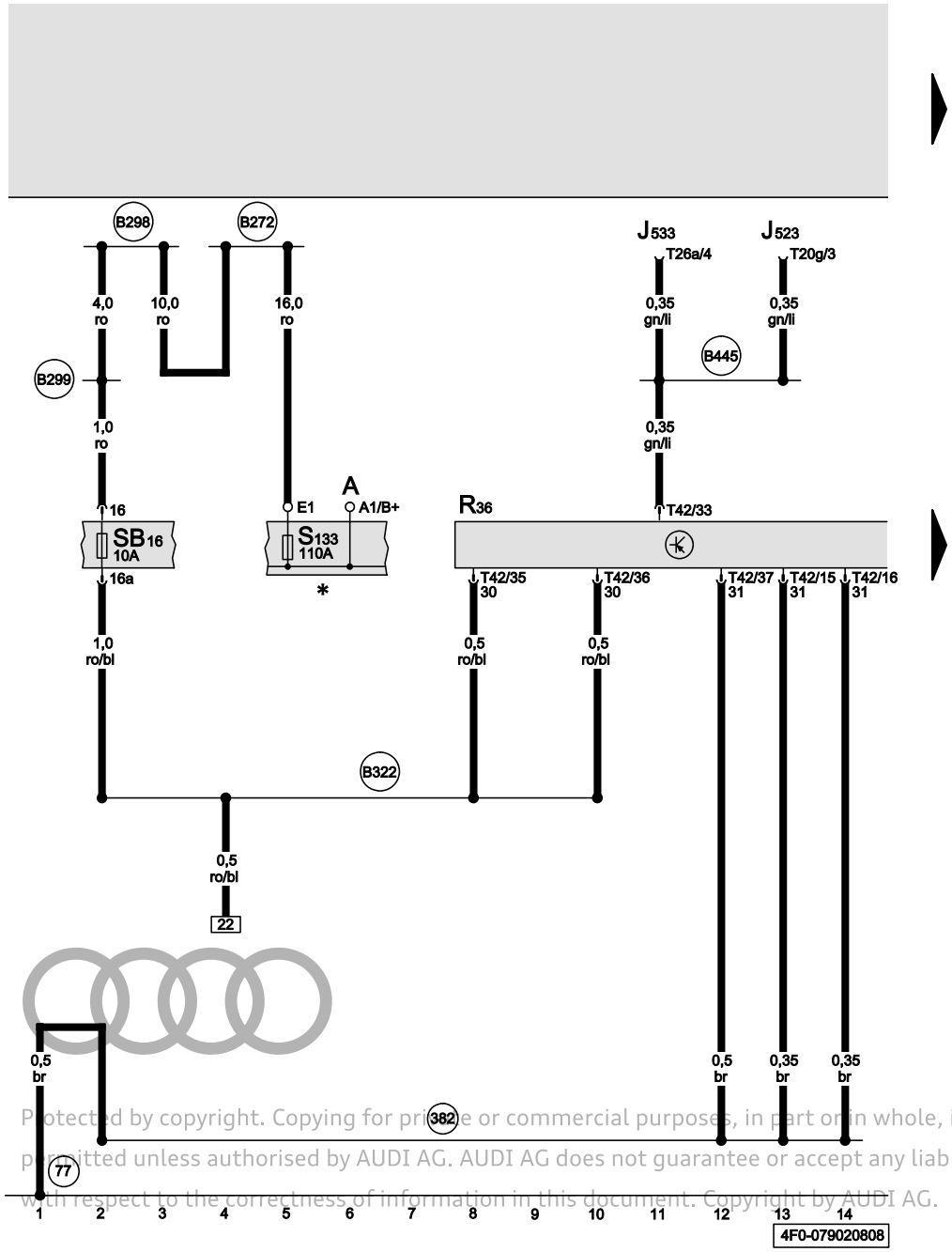
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Telephone transmitter and receiver unit

A	Battery
J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
R36	Telephone transmitter and receiver unit
S133	Fuse 3
SB16	Fuse 16 on fuse holder B
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T42	42-pin connector, on telephone transmitter and receiver unit
77	Earth point, lower part of left B-pillar
382	Earth connection 17, in main wiring harness
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
B322	Positive connection 8 (30a), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	main fuse box, in luggage compartment, rear right, on the battery

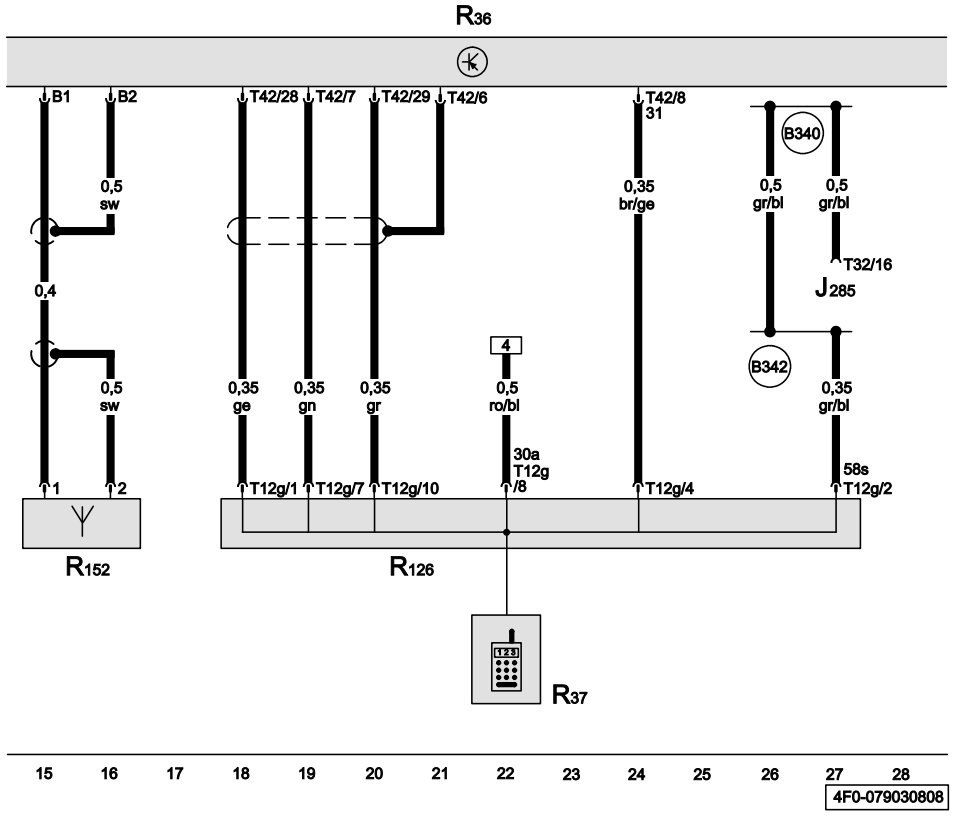
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Telephone transmitter and receiver unit, aerial for Bluetooth

J285	Control unit in dash panel insert
R36	Telephone transmitter and receiver unit
R37	Telephone handset
R126	Telephone bracket
R152	Aerial for Bluetooth
T12g	12-pin connector, on telephone handset
T32	32-pin connector, grey, on dash panel insert
T42	42-pin connector, on telephone transmitter and receiver unit
B340	Connection 1 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness

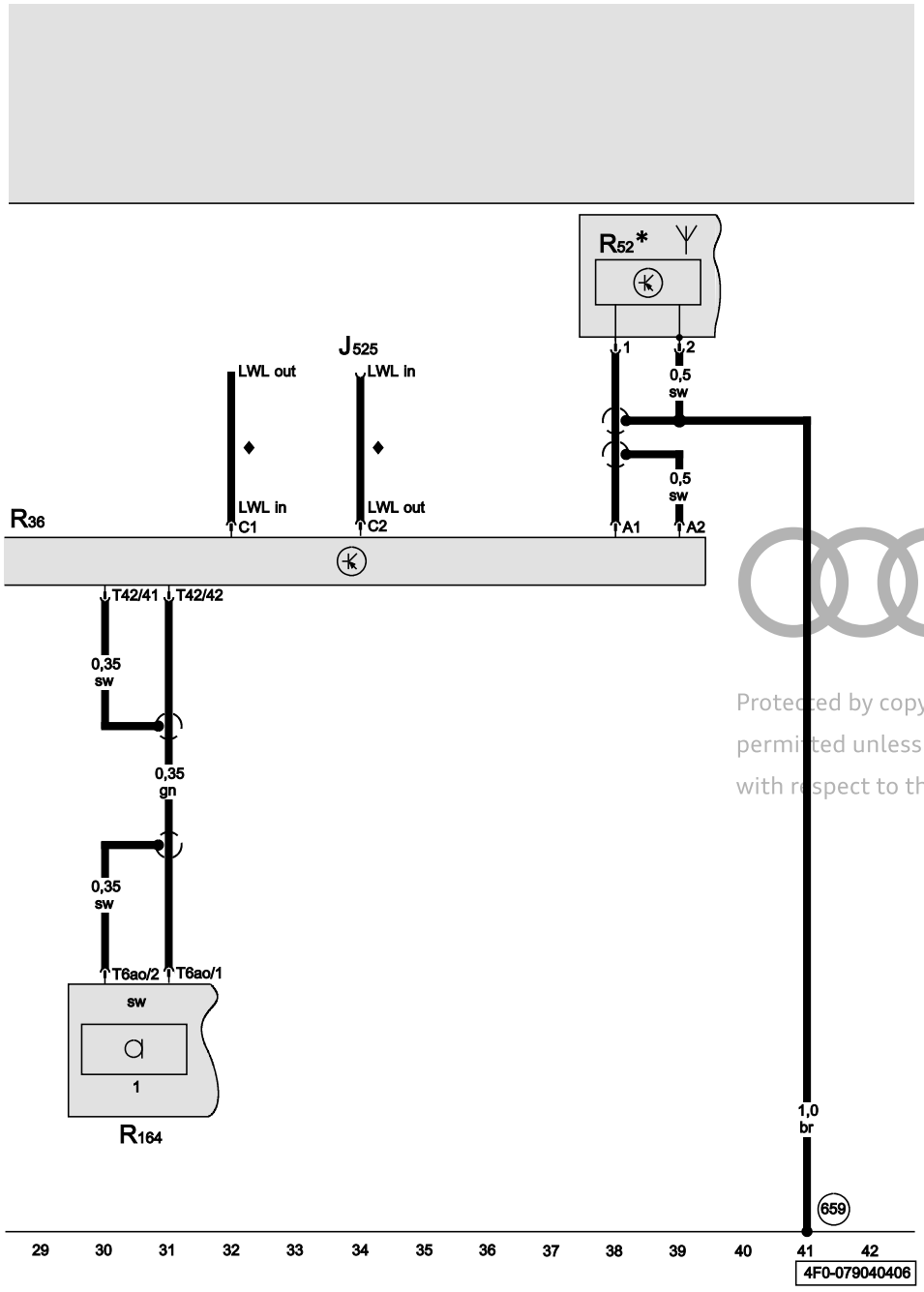
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rs	=	pink

Telephone transmitter and receiver unit, microphone unit in front roof module, radio, telephone and navigation system aerial

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R52	Radio, telephone and navigation system aerial
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T42	42-pin connector, on telephone transmitter and receiver unit
659	Earth point 1, on right near rear window
*	roof aerial
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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Preparation for mobile telephone

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

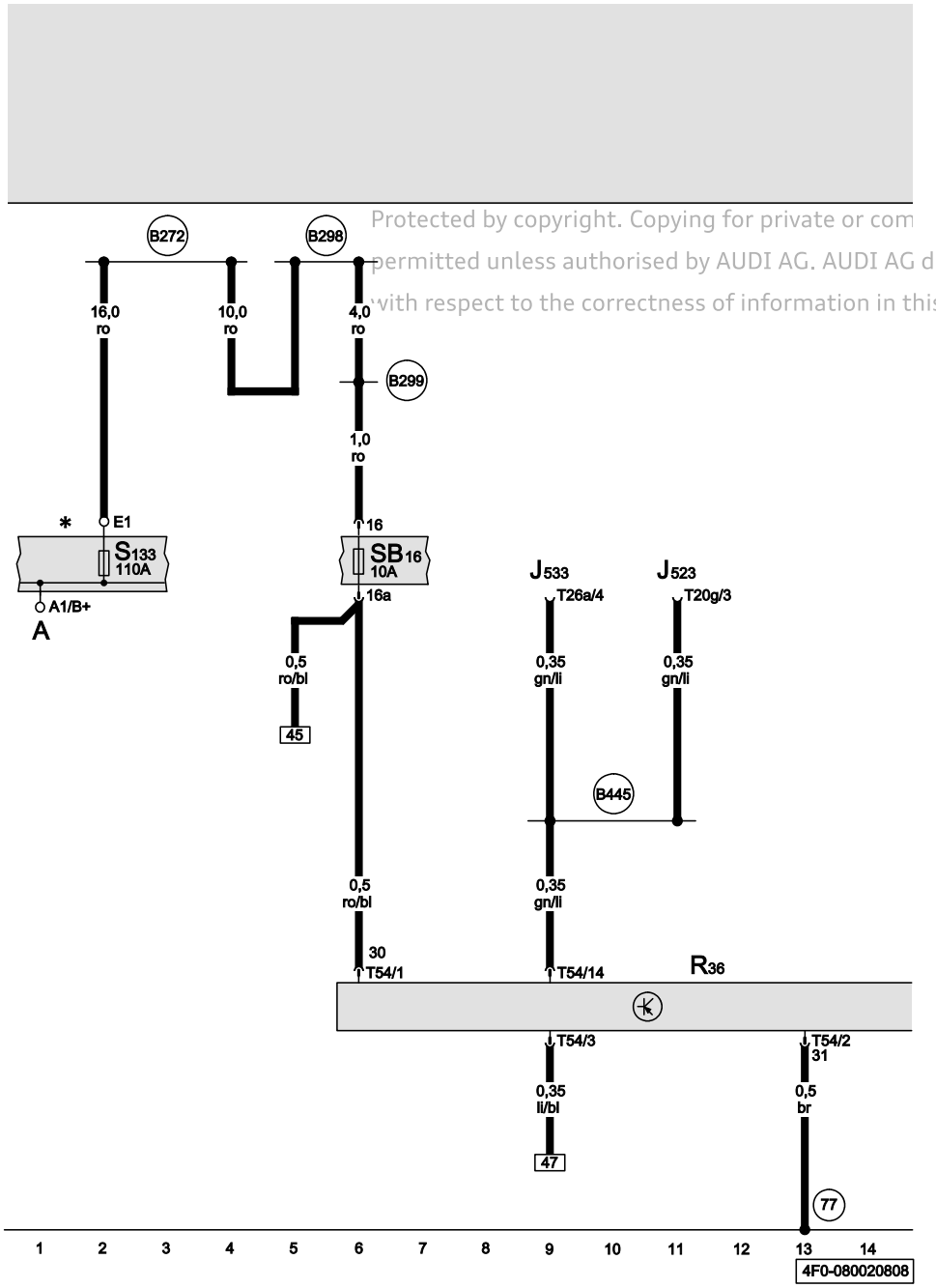
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Telephone transmitter and receiver unit, fuses

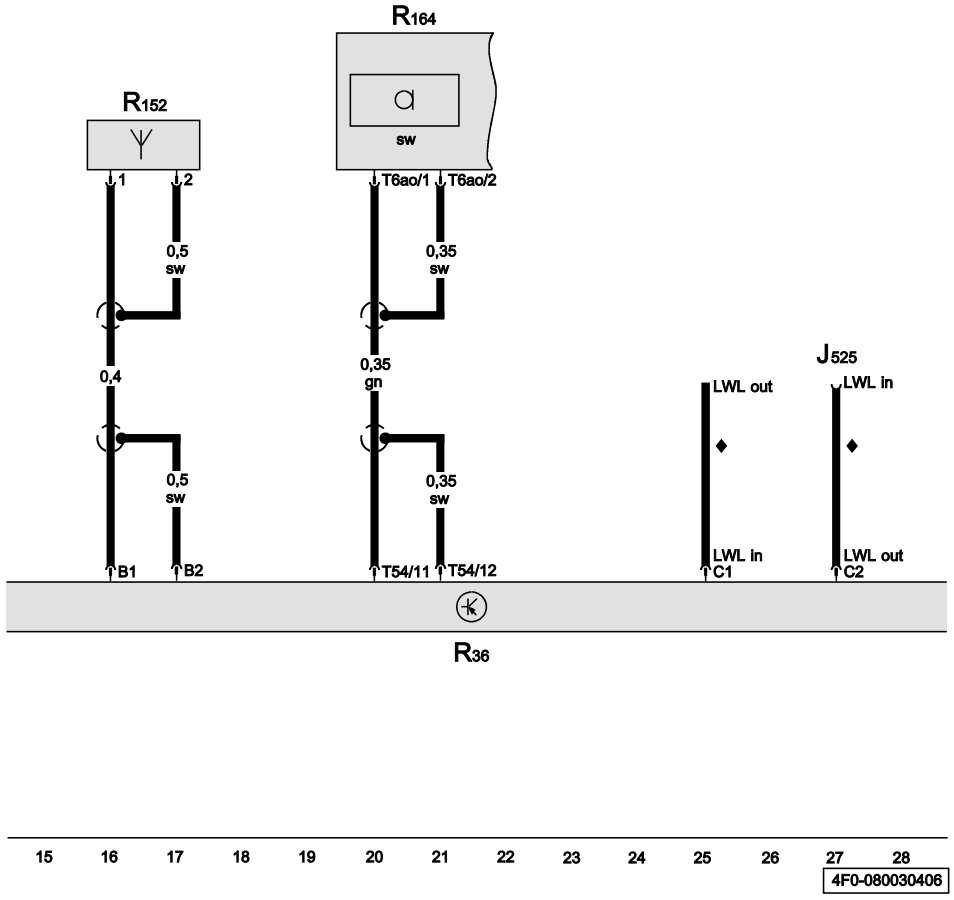
A	Battery
J523	Front information display and operating unit control unit
J533	Data bus diagnostic interface
R36	Telephone transmitter and receiver unit
S133	Fuse 3
SB16	Fuse 16 on fuse holder B
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T26a	26-pin connector, black, on data bus diagnostic interface
T54	54-pin connector, black, on telephone transmitter and receiver unit
77	Earth point, lower part of left B-pillar
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
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	main fuse box, in luggage compartment, rear right, on the battery

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rs	=	pink

Telephone transmitter and receiver unit, aerial for Bluetooth, microphone unit in front roof module

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T54	54-pin connector, black, on telephone transmitter and receiver unit
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

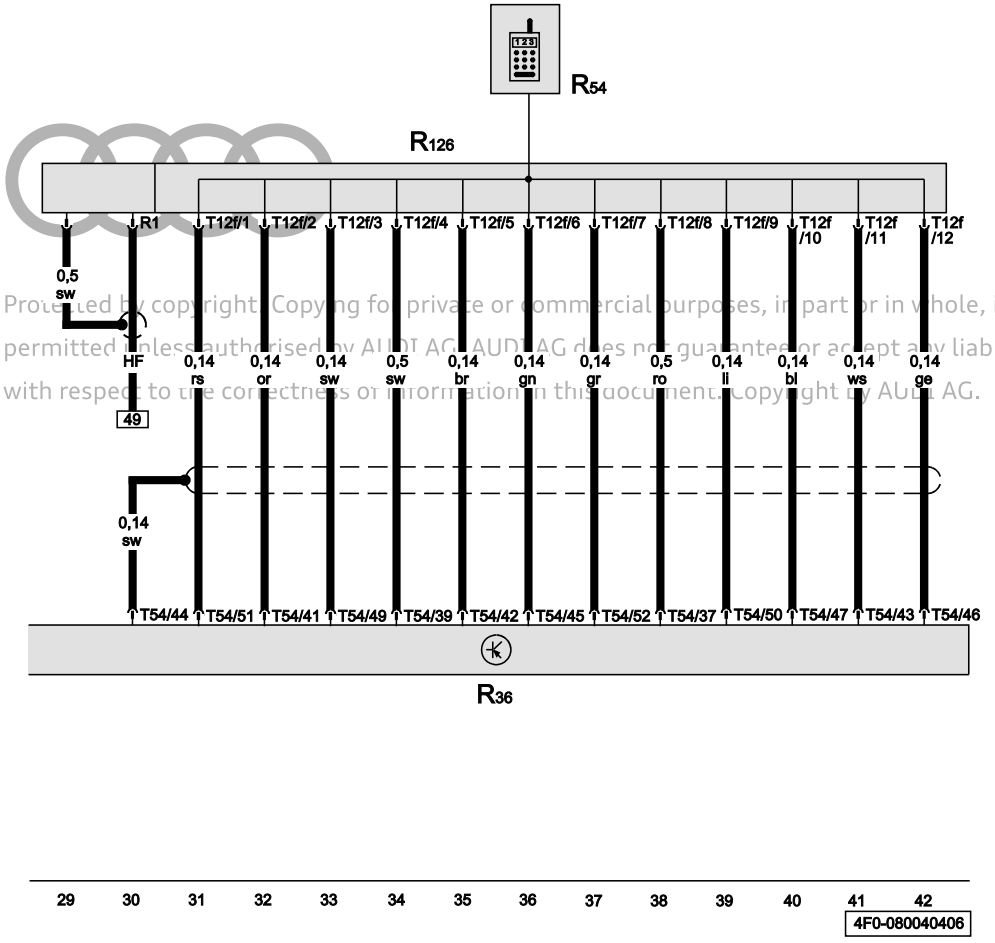
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Telephone transmitter and receiver unit, mobile telephone

R1	Aerial connection
R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
T12f	12-pin connector, on mobile telephone
T54	54-pin connector, black, on telephone transmitter and receiver unit

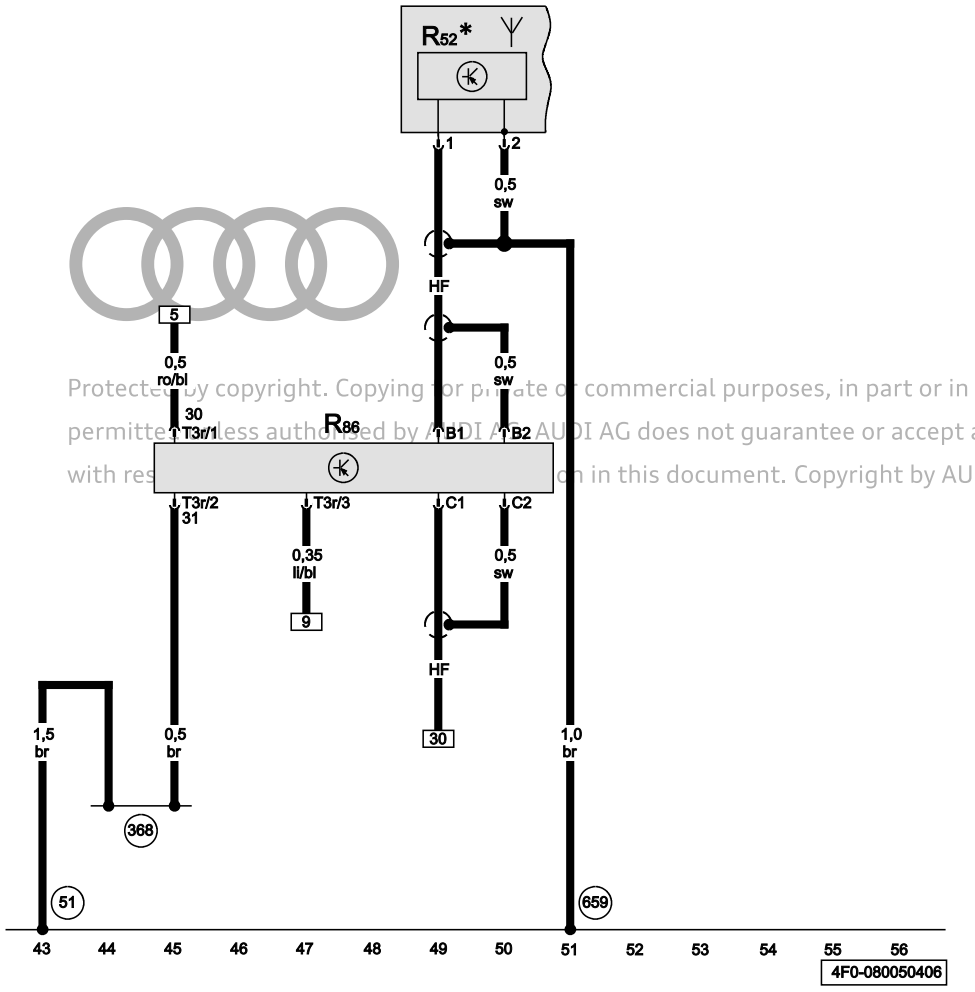


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ge	=	yellow
or	=	orange
rs	=	pink

Aerial amplifier for mobile telephone, radio, telephone and navigation system aerial

R52	Radio, telephone and navigation system aerial
R86	Aerial amplifier for mobile telephone
T3r	3-pin connector, black, on aerial amplifier for mobile telephone
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
659	Earth point 1, on right near rear window
*	roof aerial



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Navigation system China (7T4)

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

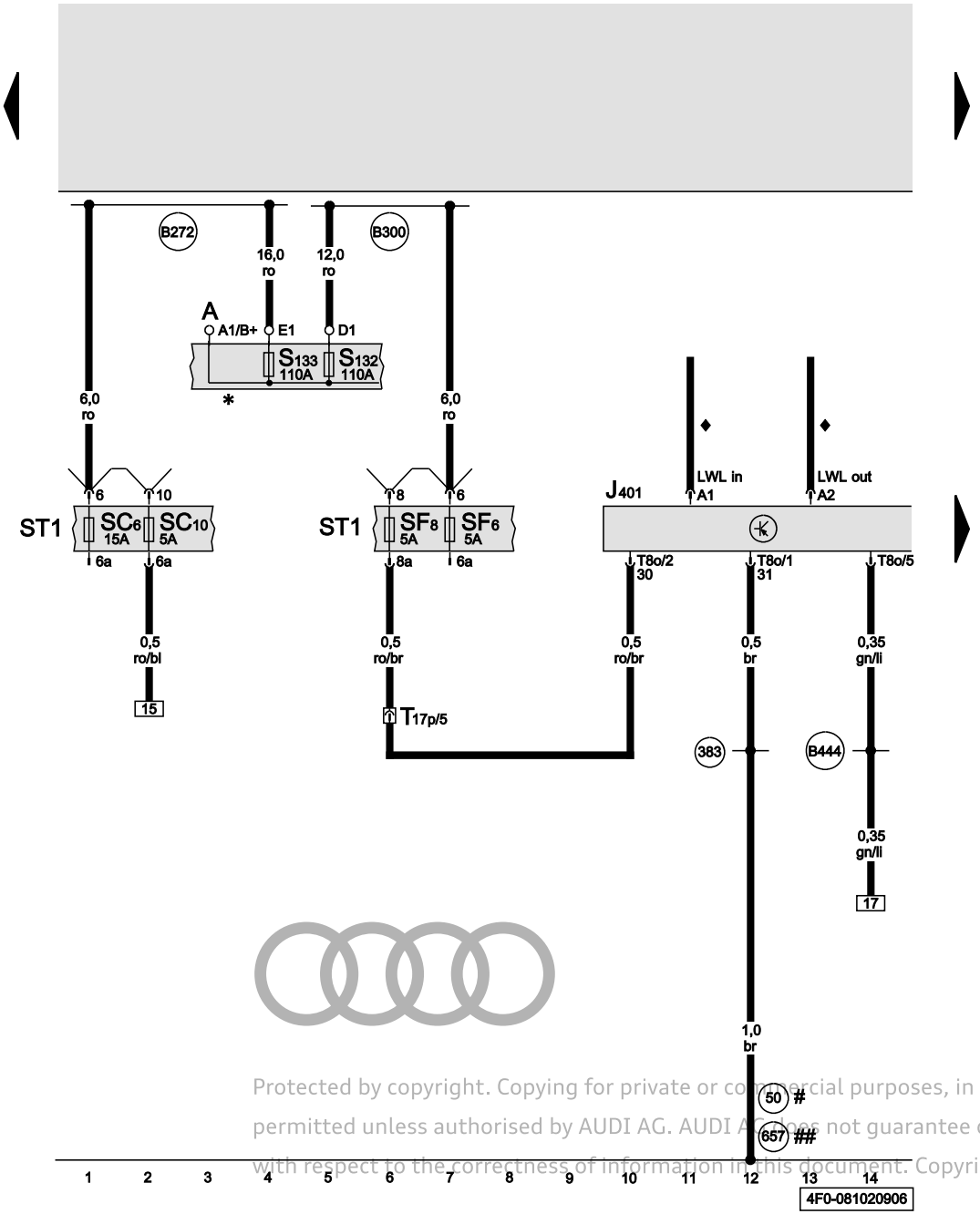
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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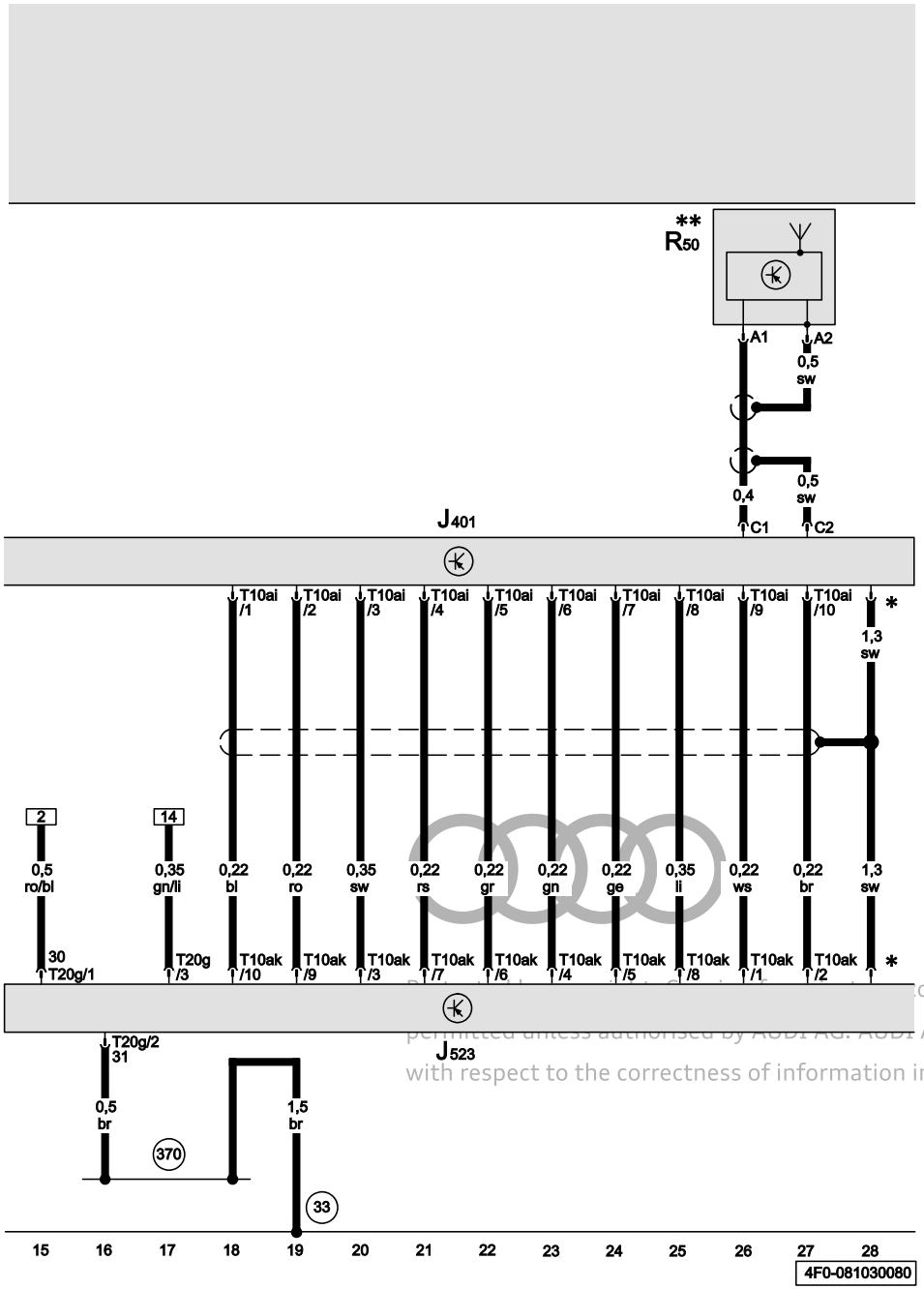


Navigation system with CD drive control unit, fuses

A	Battery
J401	Navigation system with CD drive control unit
S132	Fuse 2
S133	Fuse 3
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
T8o	8-pin connector, black, on navigation system with CD drive control unit
T17p	17-pin connector, black, in left luggage compartment
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
*	main fuse box, in luggage compartment, rear right, on the battery
#	saloon models
##	Avant
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

ws	=	white
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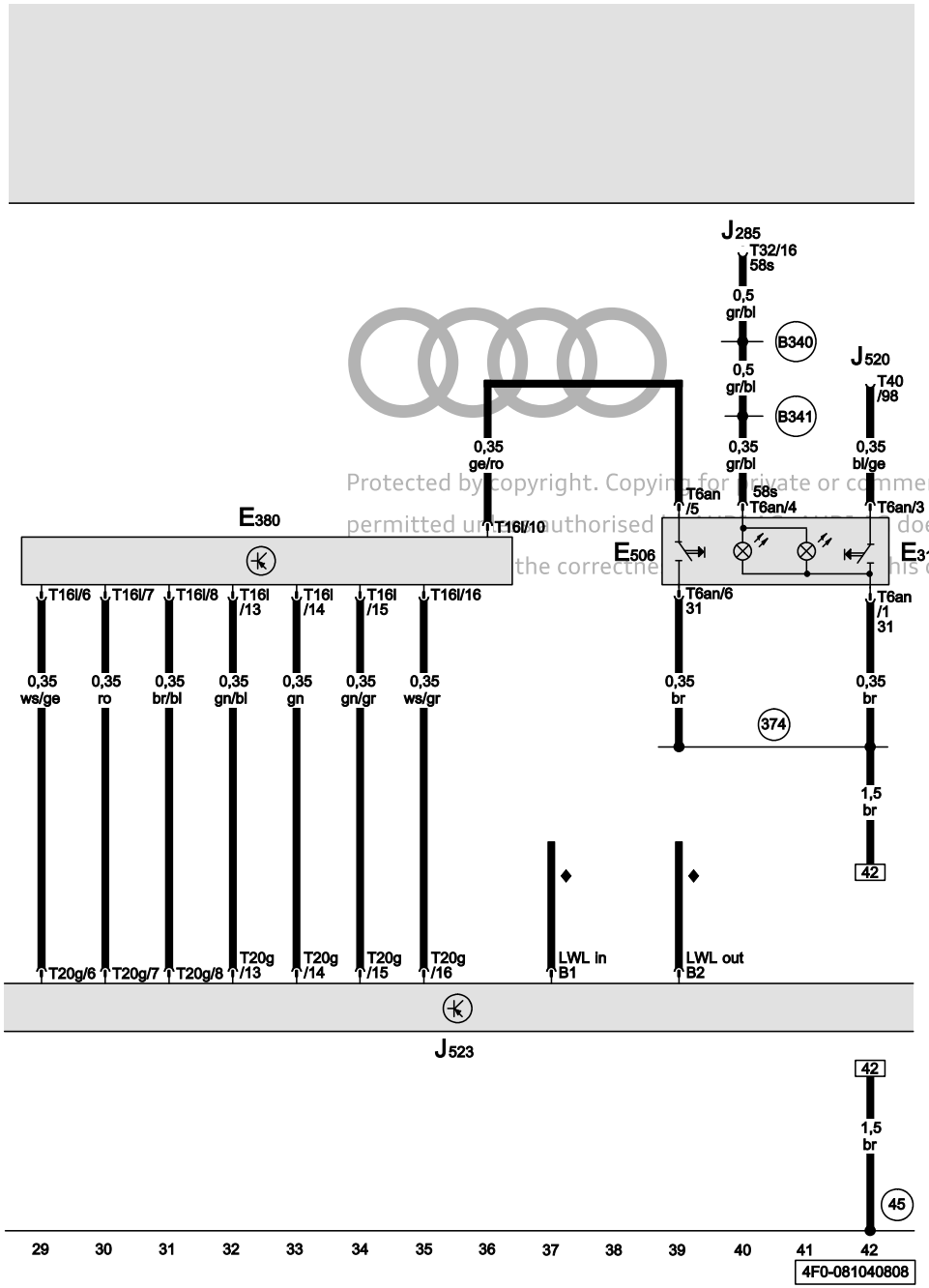


Front information display and operating unit control unit, navigation system with CD drive control unit, navigation system aerial

J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
R50	Navigation system aerial
T10ai	10-pin connector, black, on navigation system with CD drive control unit
T10ak	10-pin connector, black, on front information display and operating unit control unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
*	screening on connector housing
**	under roof trim

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

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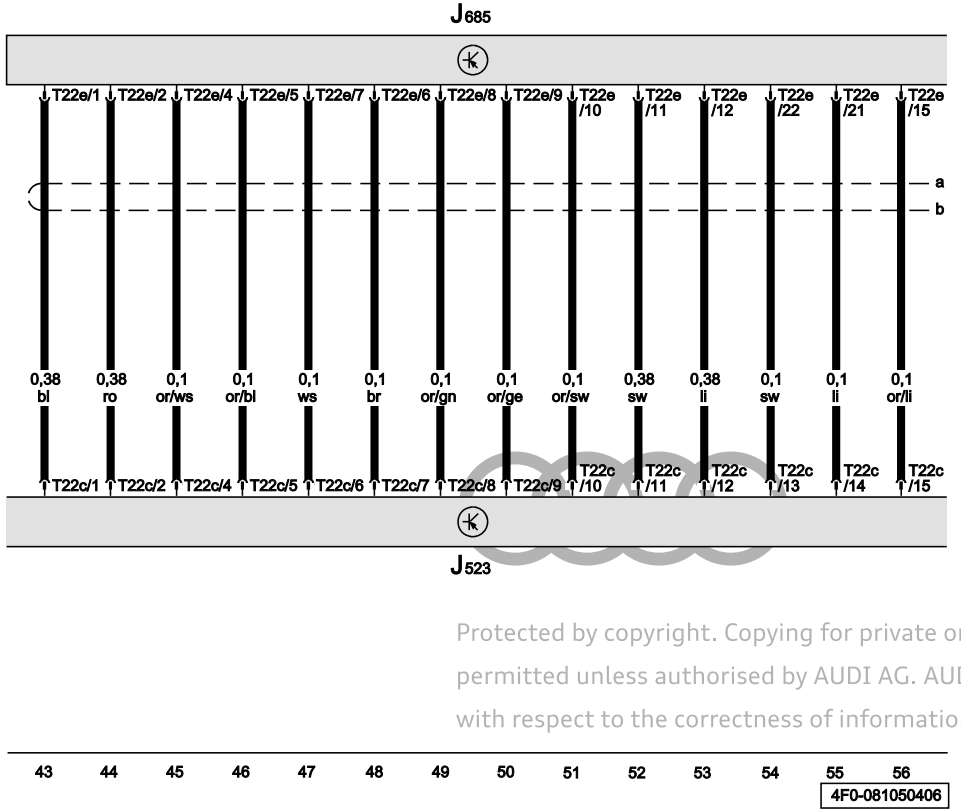
Front information display and operating unit control unit, multimedia system operating unit, display unit button, glove compartment button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T6an	6-pin connector, black, on switch module
T16l	16-pin connector, brown, on multimedia system operating unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523 Front information display and operating unit control unit
J685 Display unit for front information display and operating unit control unit
T22c 22-pin connector, connector C, on display and operating unit change-over unit
T22e 22-pin connector, on display unit for front information display and operating unit control unit

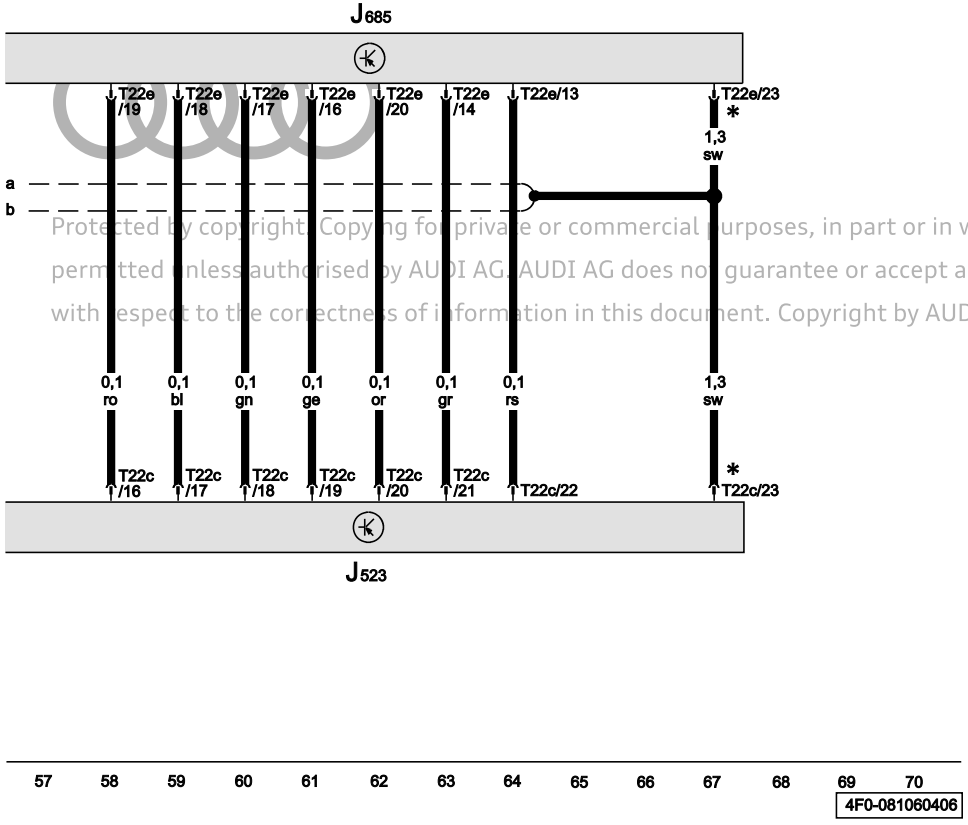


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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523 Front information display and operating unit control unit
J685 Display unit for front information display and operating unit control unit
T22c 22-pin connector, connector C, on display and operating unit change-over unit
T22e 22-pin connector, on display unit for front information display and operating unit control unit
* screening on connector housing



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Communication Japan (8DZ, 7Q6, QV1, 7D0, 7D1)

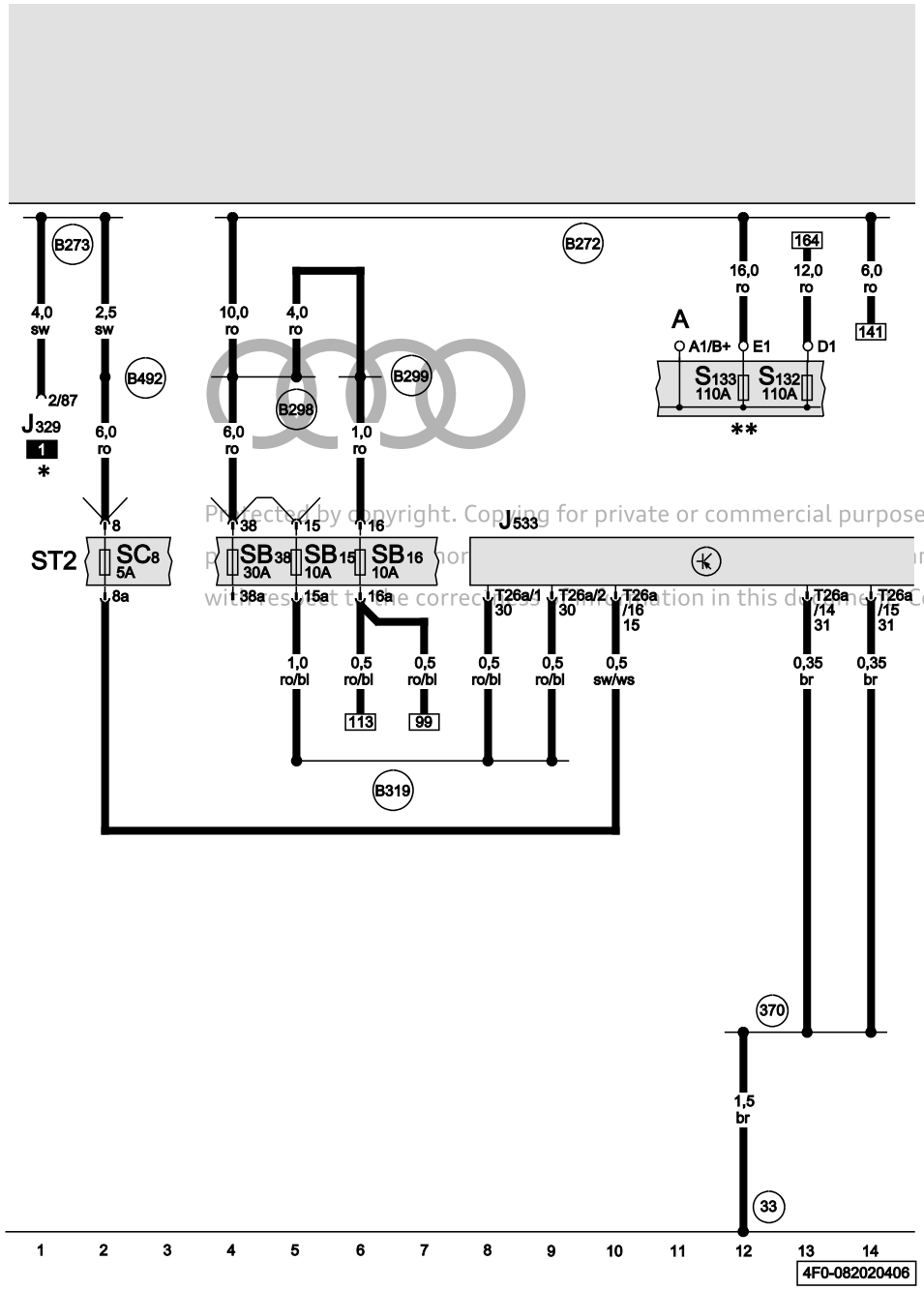
⇒ **MMI**
⇒ **Multimedia system operating unit**
⇒ **Radio (K-box)**
⇒ **Navigation system**
⇒ **Telephone, chip card reader control unit**
⇒ **TV tuner**
⇒ **Media player**
from model year 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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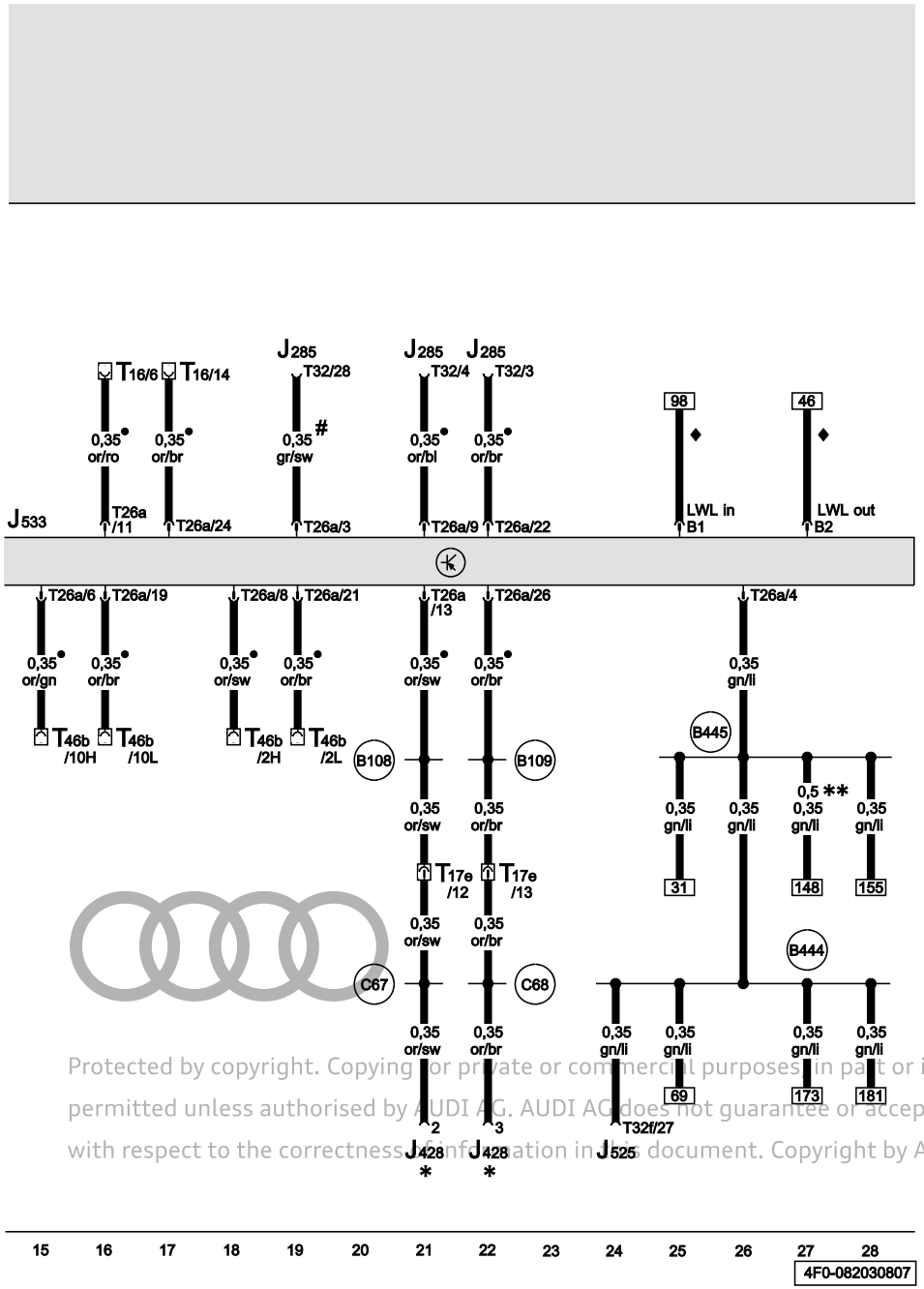


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Data bus diagnostic interface, fuses

A	Battery
J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
S132	Fuse 2
S133	Fuse 3
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB38	Fuse 38 on fuse holder B
SC8	Fuse 8 on fuse holder C
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	main fuse carrier in luggage compartment, rear right, on the battery
**	9-point relay carrier, behind driver storage compartment

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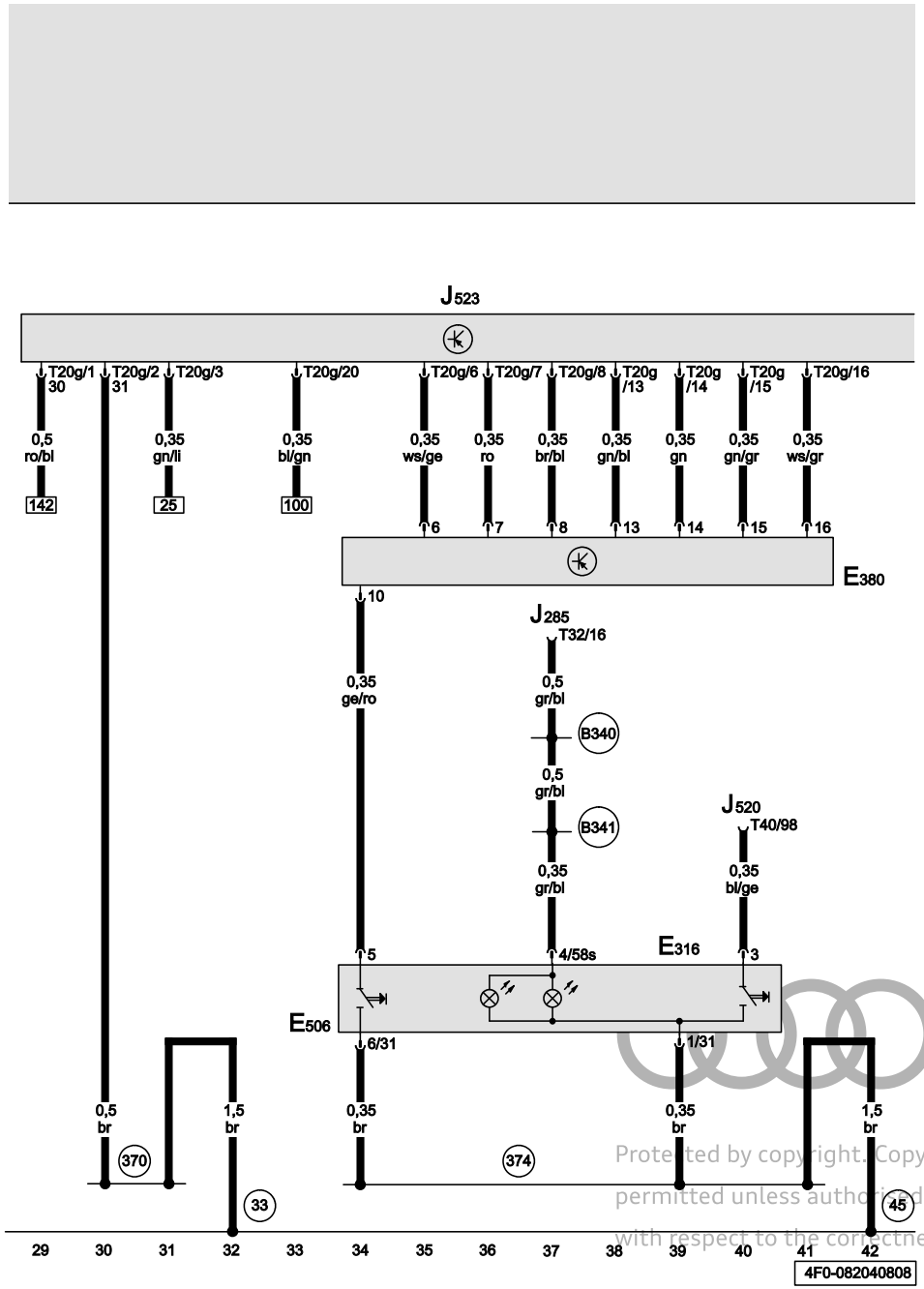


Data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
T16	16-pin connector, diagnostic connector
T17e	17-pin connector, red, coupling station on left of A-pillar
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T32f	32-pin connector, black, connector A, on digital sound package control unit
T46b	46-pin connector, CAN separating connector right
B108	Connection 1 (CAN bus extended high) in main wiring harness
B109	Connection 1 (CAN bus extended low) in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
C67	Connection (CAN bus, high), in headlight wiring harness
C68	Connection (CAN bus, low), in headlight wiring harness
•	CAN bus (data wire)
*	models with adaptive cruise
**	phased-in modification
#	Wake Up wire (exciter wire)
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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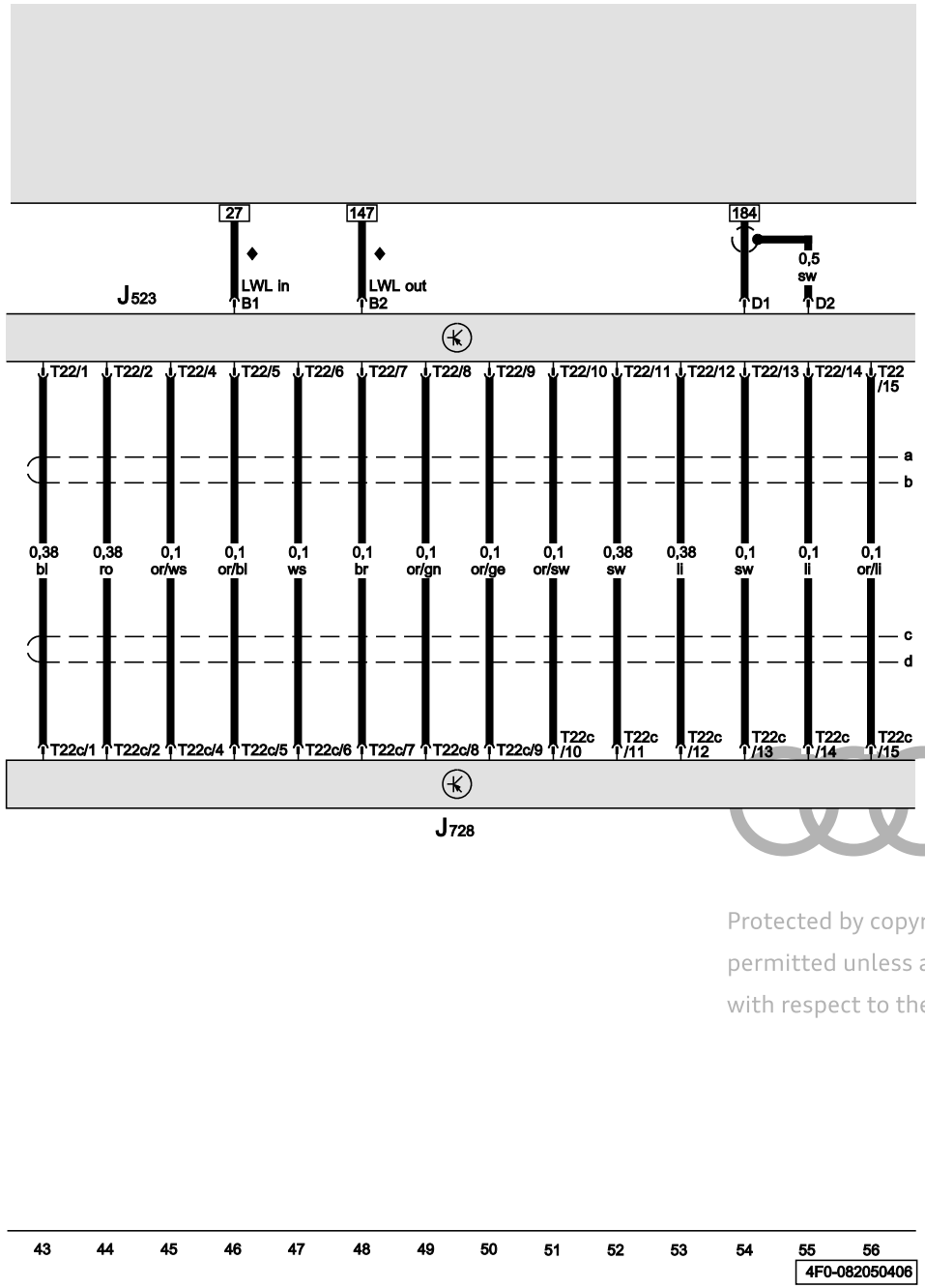


Front information display and operating unit control unit, multimedia system operating unit, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness

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Front information display and operating unit control unit, display and operating unit change-over unit

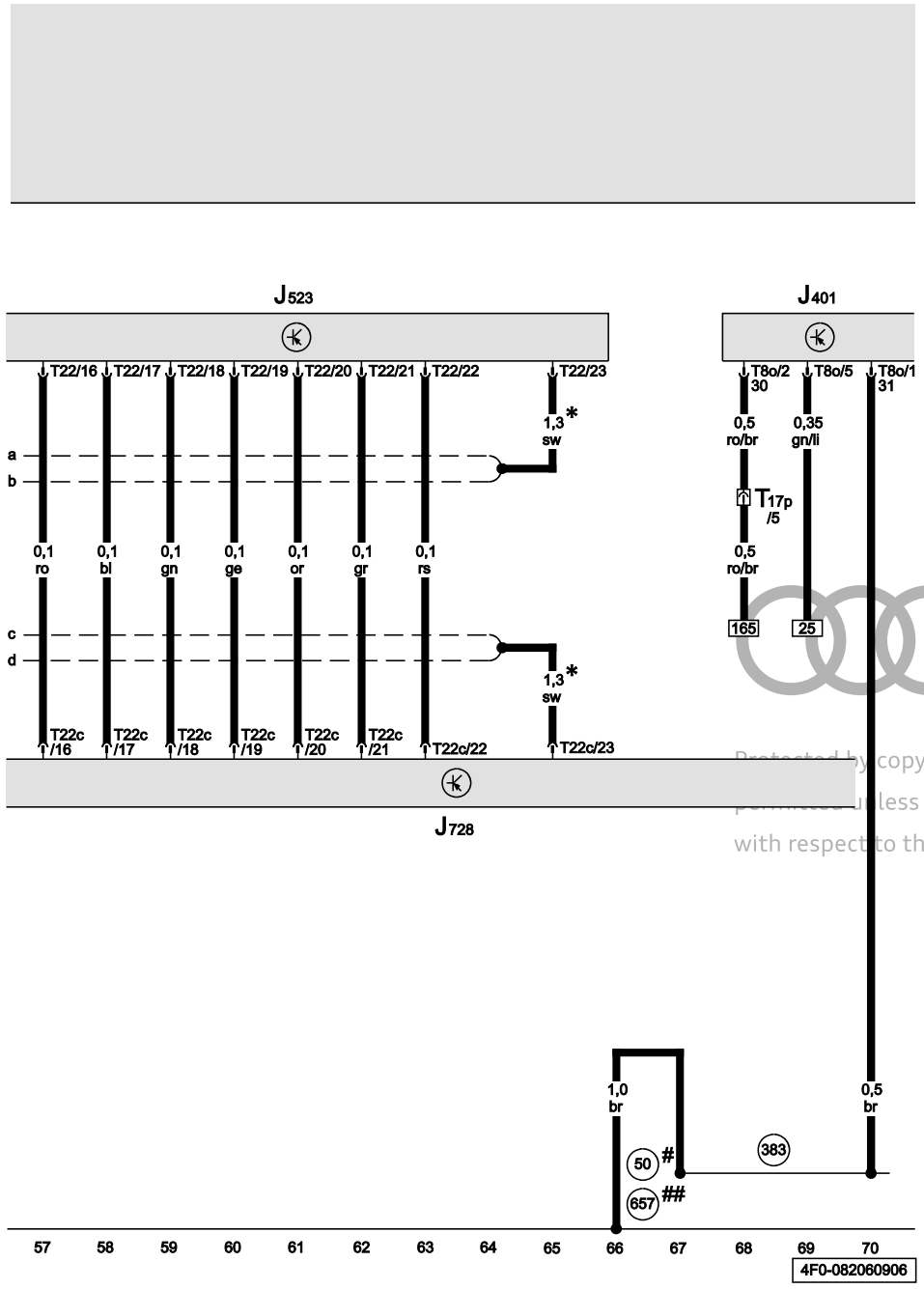
J523 Front information display and operating unit control unit
J728 Display and operating unit change-over unit
T22 22-pin connector, connector C, on front information display and operating unit control unit
T22c 22-pin connector, connector C, on display and operating unit change-over unit
♦ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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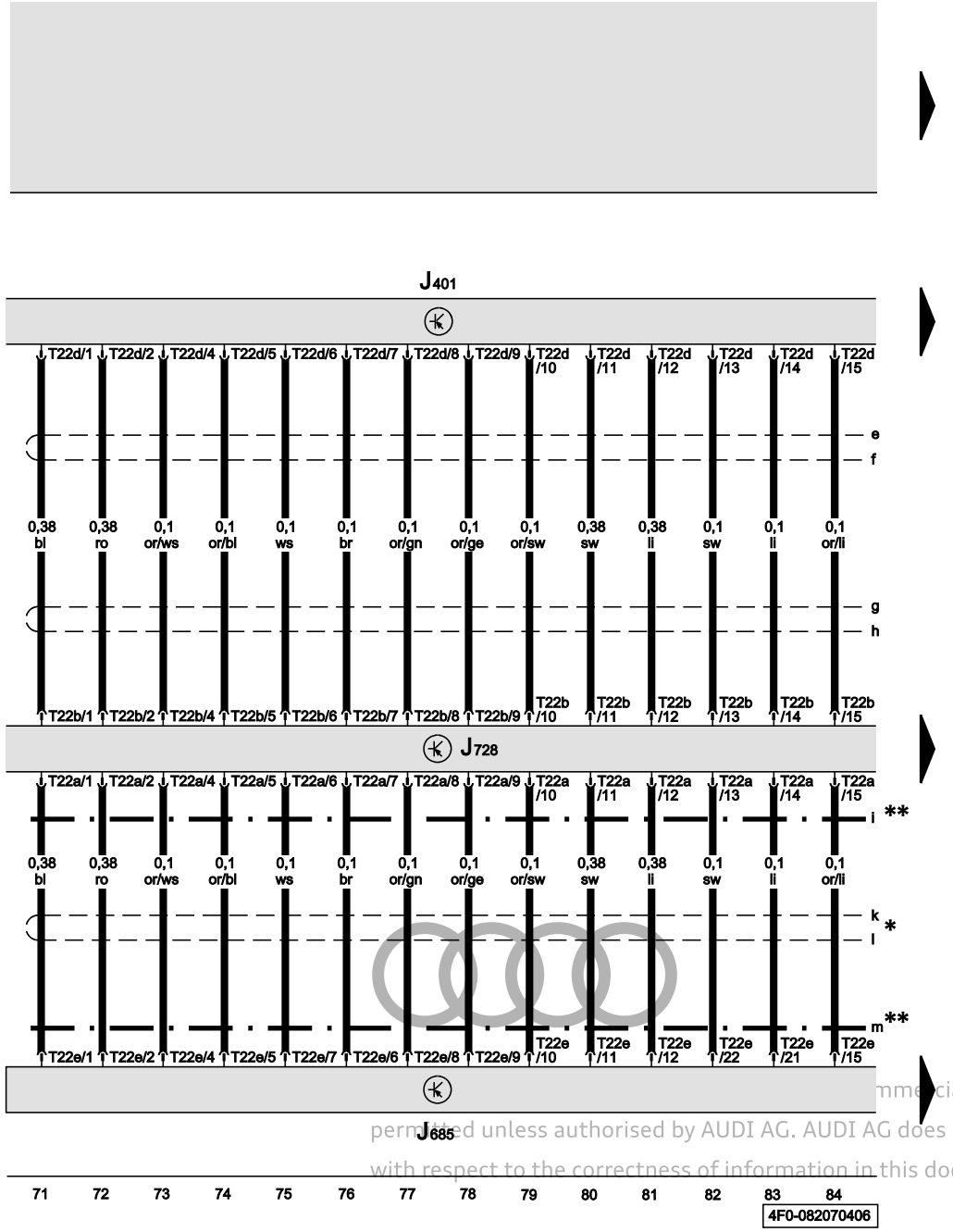
Front information display and operating unit control unit, display and operating unit change-over unit, navigation system with CD drive control unit

J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
J728	Display and operating unit change-over unit
T8o	8-pin connector, black, on navigation system with CD drive control unit
T17p	17-pin connector, black, in left luggage compartment
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22c	22-pin connector, connector C, on display and operating unit change-over unit
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
*	screening on connector housing
#	saloon models
##	Avant



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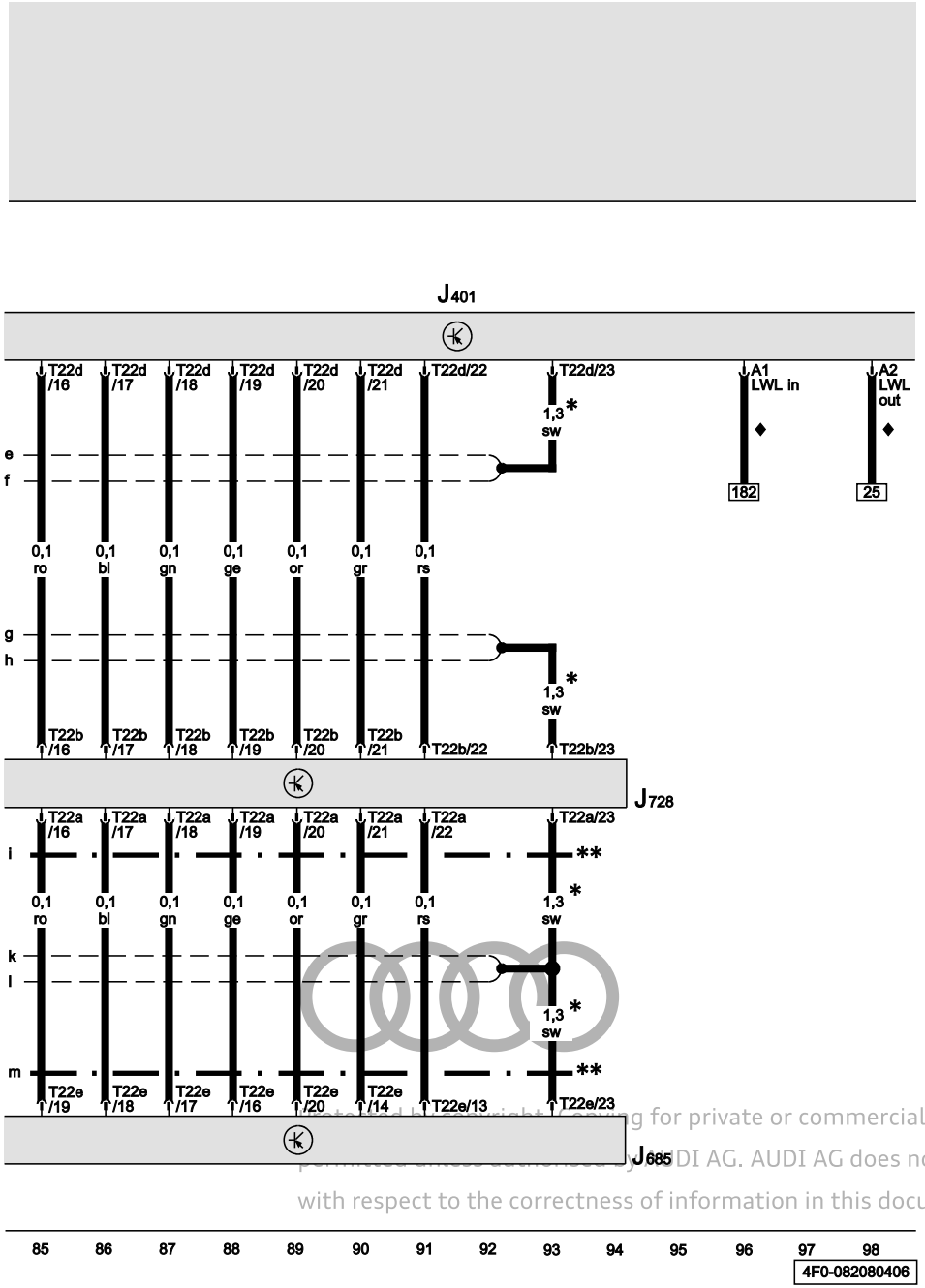


Navigation system with CD drive control unit, display unit for front information display and operating unit control unit, display and operating unit change-over unit

J401	Navigation system with CD drive control unit
J685	Display unit for front information display and operating unit control unit
J728	Display and operating unit change-over unit
T22a	22-pin connector, connector A, on display and operating unit change-over unit
T22b	22-pin connector, connector B, on display and operating unit change-over unit
T22d	22-pin connector, on navigation system with CD drive control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit
*	screening on connector housing
**	ferrite core

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Navigation system with CD drive control unit, display unit for front information display and operating unit control unit, display and operating unit change-over unit

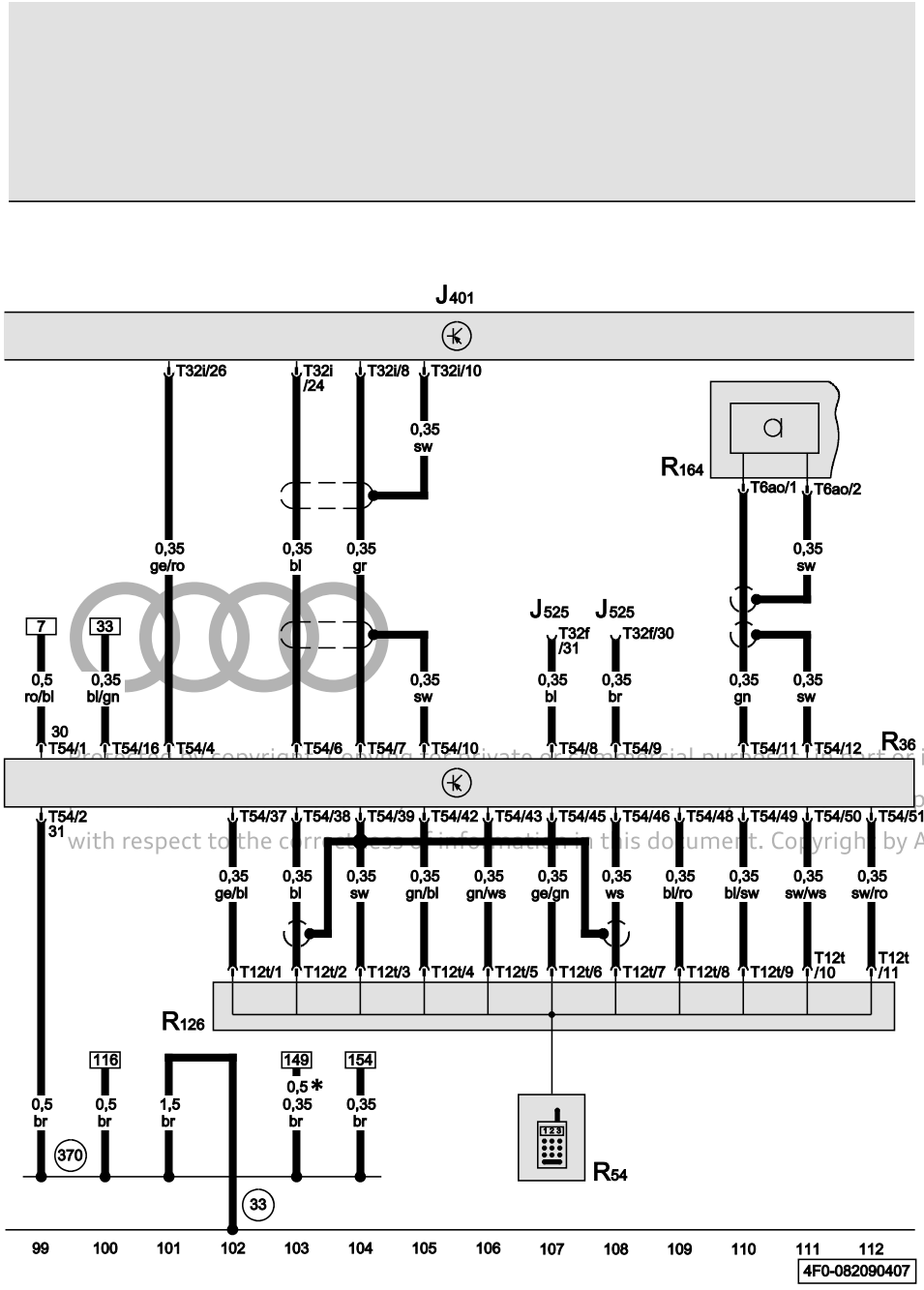
- J401 Navigation system with CD drive control unit
- J685 Display unit for front information display and operating unit control unit
- J728 Display and operating unit change-over unit
- T22a 22-pin connector, connector A, on display and operating unit change-over unit
- T22b 22-pin connector, connector B, on display and operating unit change-over unit
- T22d 22-pin connector, on navigation system with CD drive control unit
- T22e 22-pin connector, on display unit for front information display and operating unit control unit
- * screening on connector housing
- ** ferrite core
- ◆ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Navigation system with CD drive control unit, telephone transmitter and receiver unit, telephone bracket

J401	Navigation system with CD drive control unit
J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T12t	12-pin connector, on telephone bracket
T32i	32-pin connector, on navigation system with CD drive control unit
T32f	32-pin connector, black, connector A, on digital sound package control unit
T54	54-pin connector, black, on telephone transmitter and receiver unit
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
*	phased-in modification

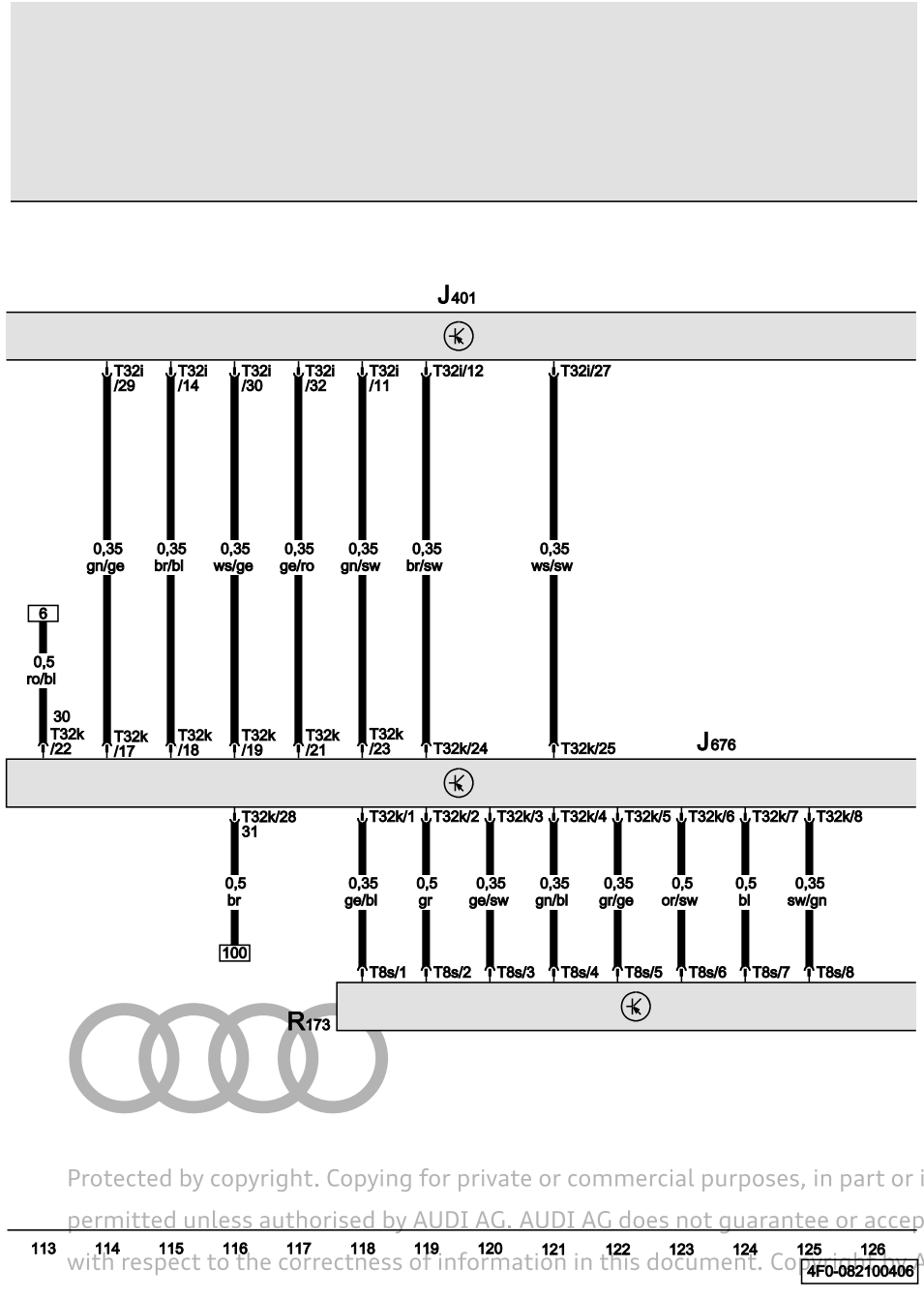


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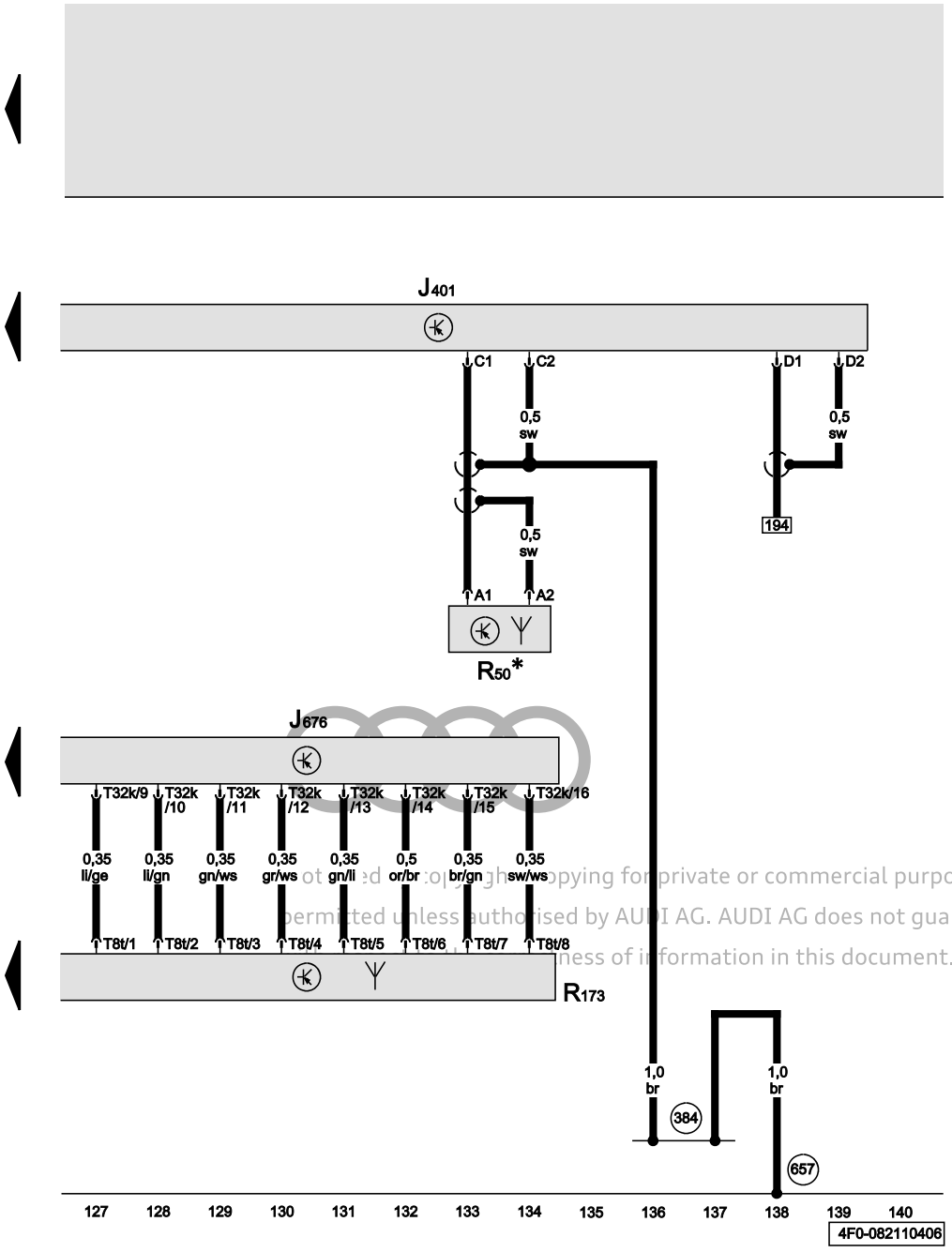
Navigation system with CD drive control unit, traffic data aerial, chip card reader control unit

J401	Navigation system with CD drive control unit
J676	Chip card reader control unit
R173	Traffic data aerial
T8s	8-pin connector, connector A, on traffic data aerial
T32i	32-pin connector, on navigation system with CD drive control unit
T32k	32-pin connector, on chip card reader unit



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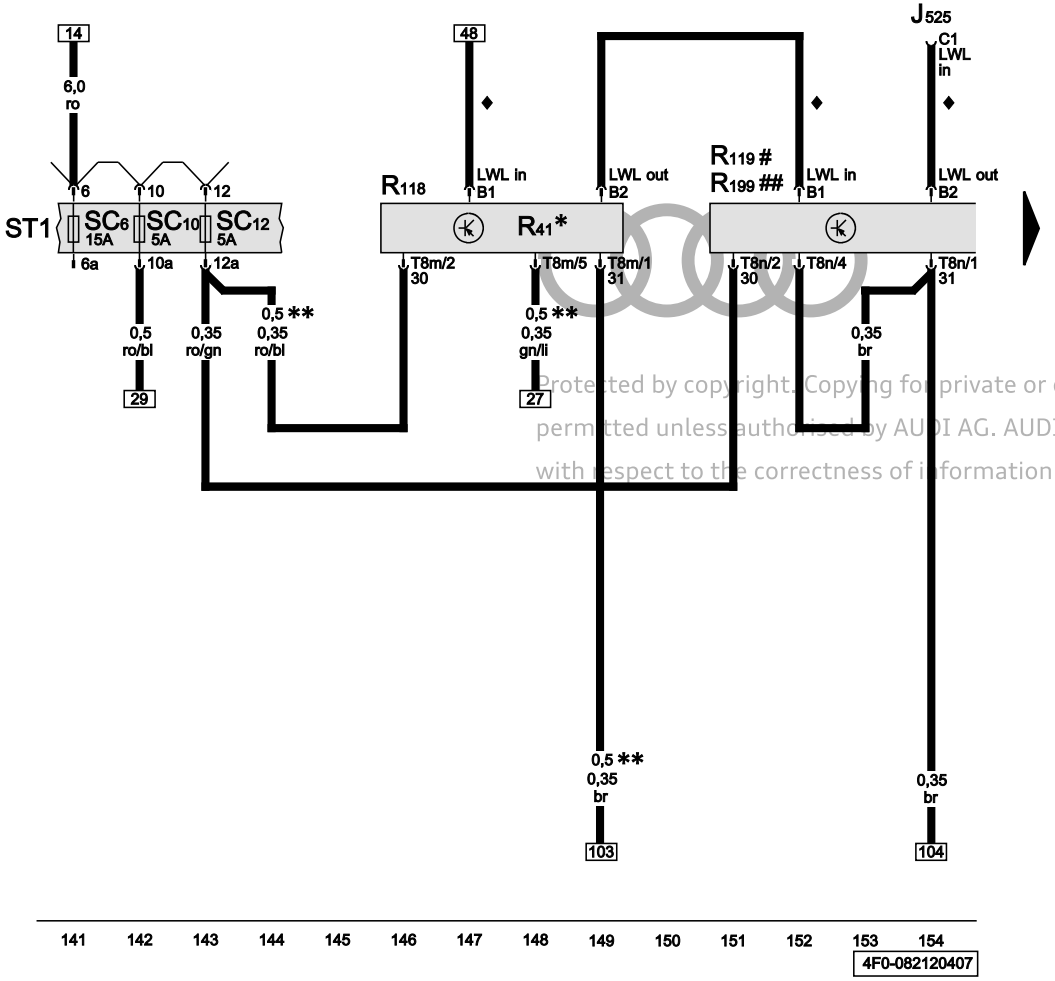


Navigation system with CD drive control unit, traffic data aerial, navigation system aerial, chip card reader control unit

J401	Navigation system with CD drive control unit
J676	Chip card reader control unit
R50	Navigation system aerial
R173	Traffic data aerial
T8t	8-pin connector, connector B, on traffic data aerial
T32k	32-pin connector, on chip card reader unit
384	Earth connection 19, in main wiring harness
657	Earth point 1, on left near rear window
*	under roof trim

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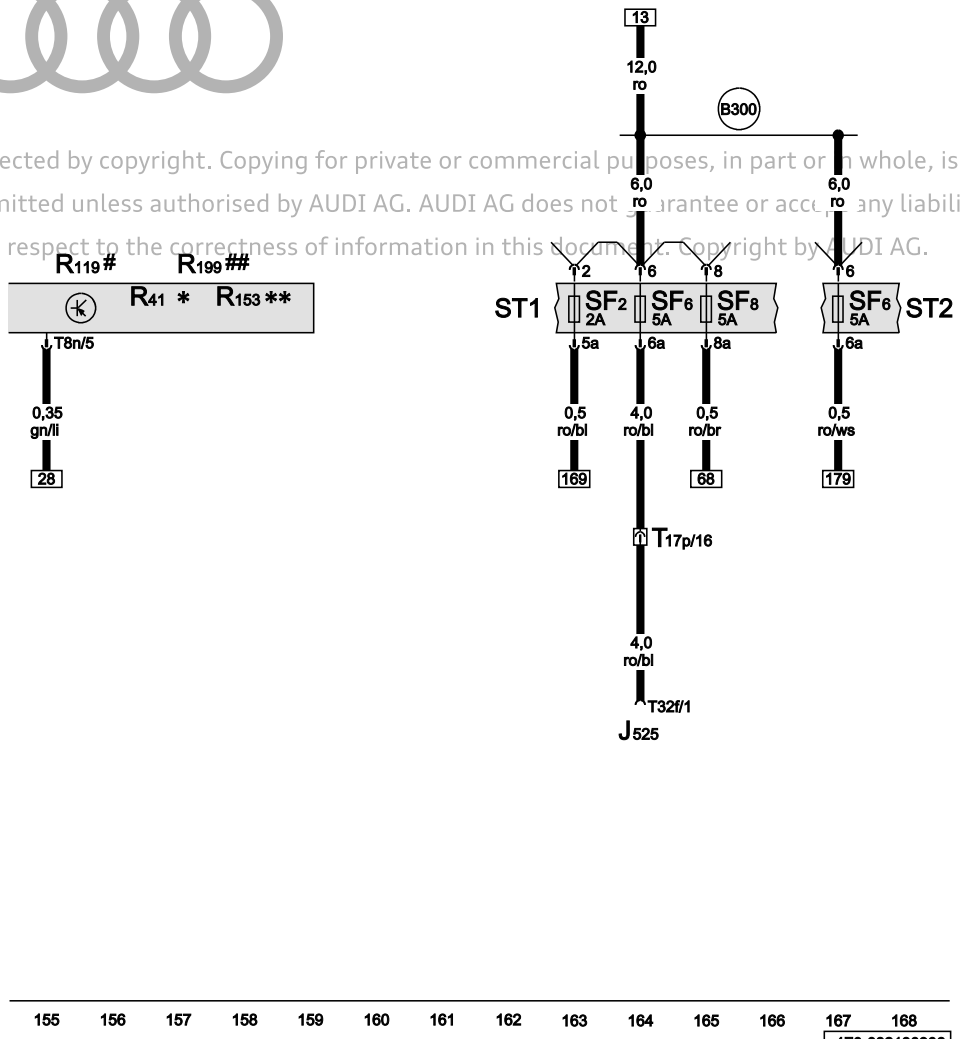
Media player in position 1 and 2, fuses

J525	Digital sound package control unit
R41	CD changer
R118	Media player in position 1
R119	Media player in position 2
R199	Connection for external audio source
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC12	Fuse 12 on fuse holder C
T8m	8-pin connector, black, on media player in position 1
T8n	8-pin connector, black, on media player in position 2
*	models with CD changer
**	phased-in modification
#	up to October 2006
##	from November 2006
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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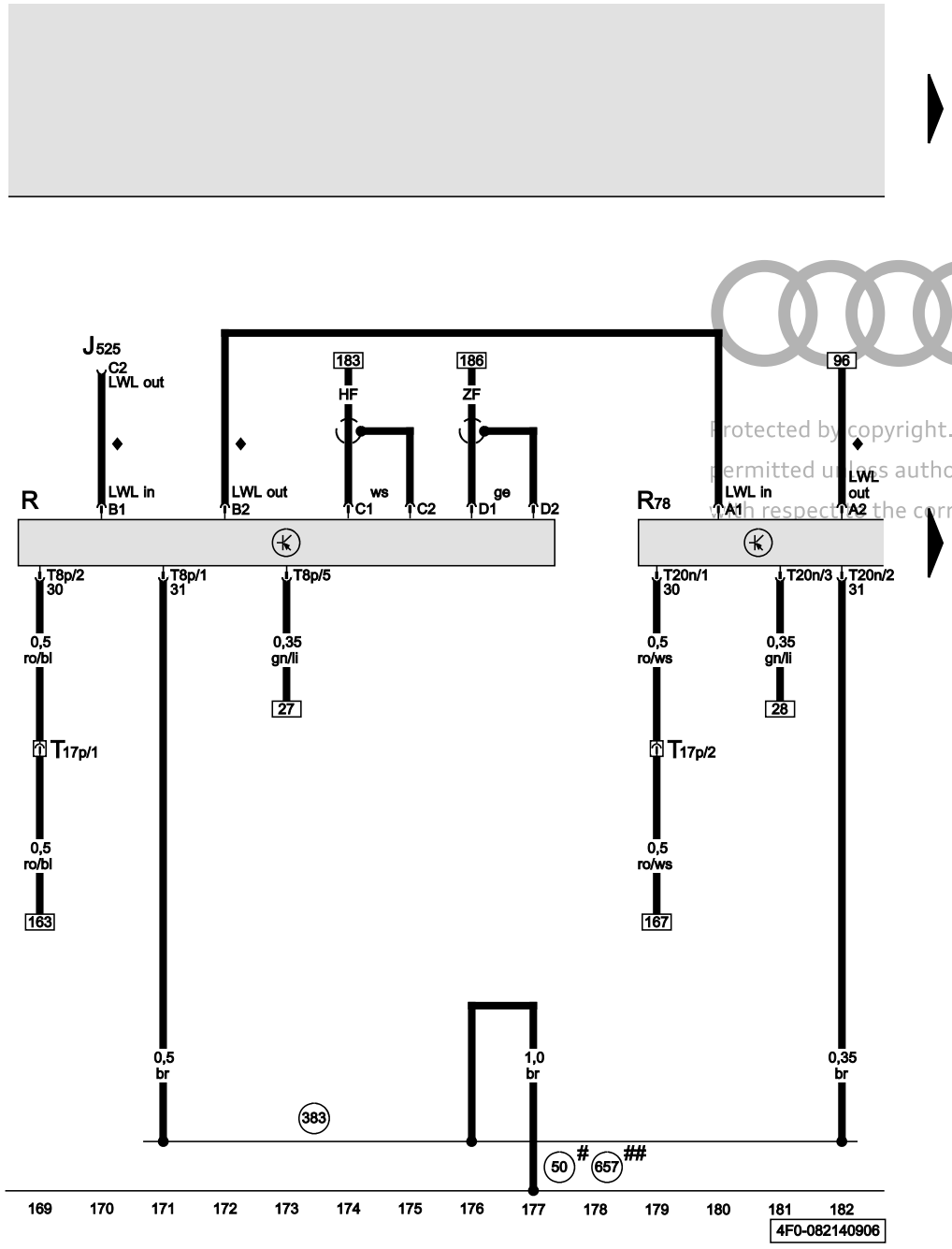
Media player in position 2, fuses

J525	Digital sound package control unit
R41	CD changer
R119	Media player in position 2
R153	MiniDisc player
R199	Connection for external audio source
SF2	Fuse 2 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
T8n	8-pin connector, black, on media player in position 2
T17p	17-pin connector, black, in left luggage compartment
T32f	32-pin connector, black, connector A, on digital sound package control unit
B300	Positive connection 4 (30), in main wiring harness
*	models with CD changer
**	models with MiniDisc player
#	up to October 2006
##	from November 2006

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Radio, TV tuner

J525	Digital sound package control unit
R	Radio
R78	TV tuner
T8p	8-pin connector, black, on radio (K-box)
T17p	17-pin connector, black, in left luggage compartment
T20n	20-pin connector, red, connector B, on TV tuner
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)
#	saloon models
##	Avant

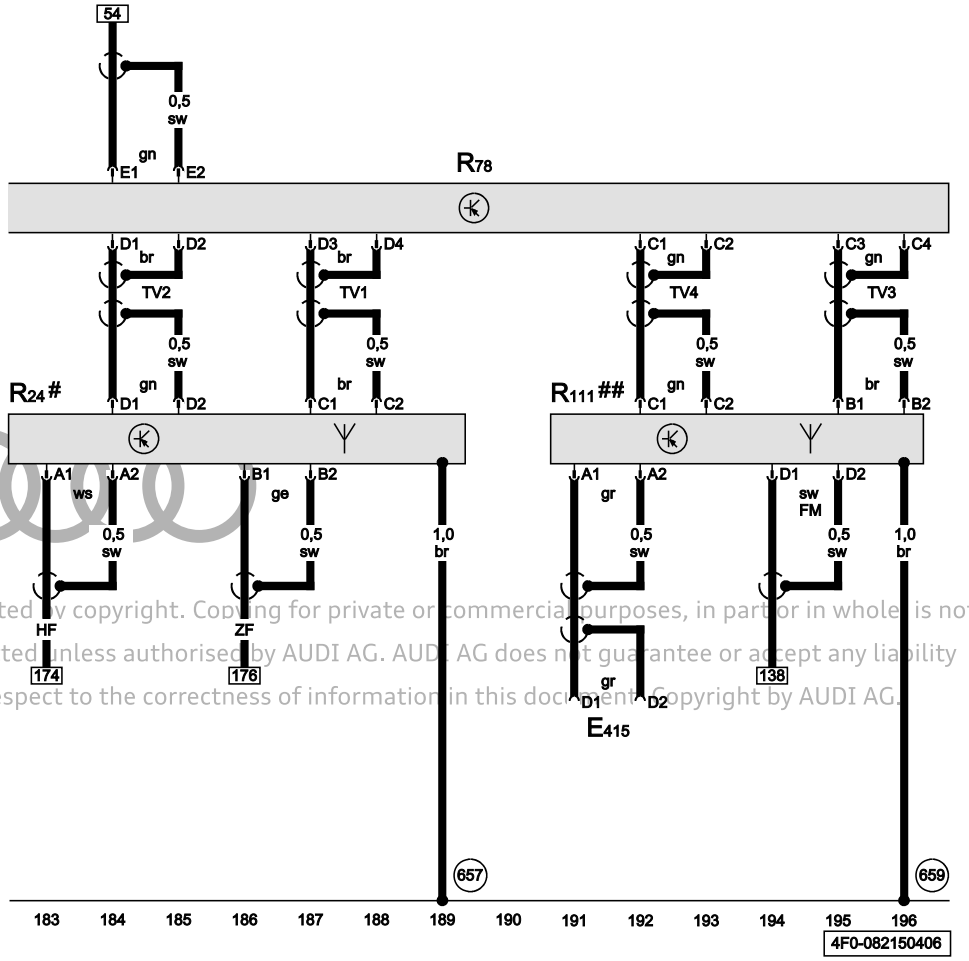


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TV tuner, aerial amplifier, aerial amplifier 2

E415	Entry and start authorisation switch
R24	Aerial amplifier
R78	TV tuner
R111	Aerial amplifier 2
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
#	on rear window upper left
##	on rear window upper right



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Communication USA (8DY, 7Q2, QV4, 7D1, 7D6)

⇒ **MMI**
⇒ **Multimedia system operating unit**
⇒ **Satellite radio, radio (K-box)**
⇒ **Navigation system**
⇒ **Preparation for mobile telephone**
⇒ **Media player**

from model year 2007

Notes:

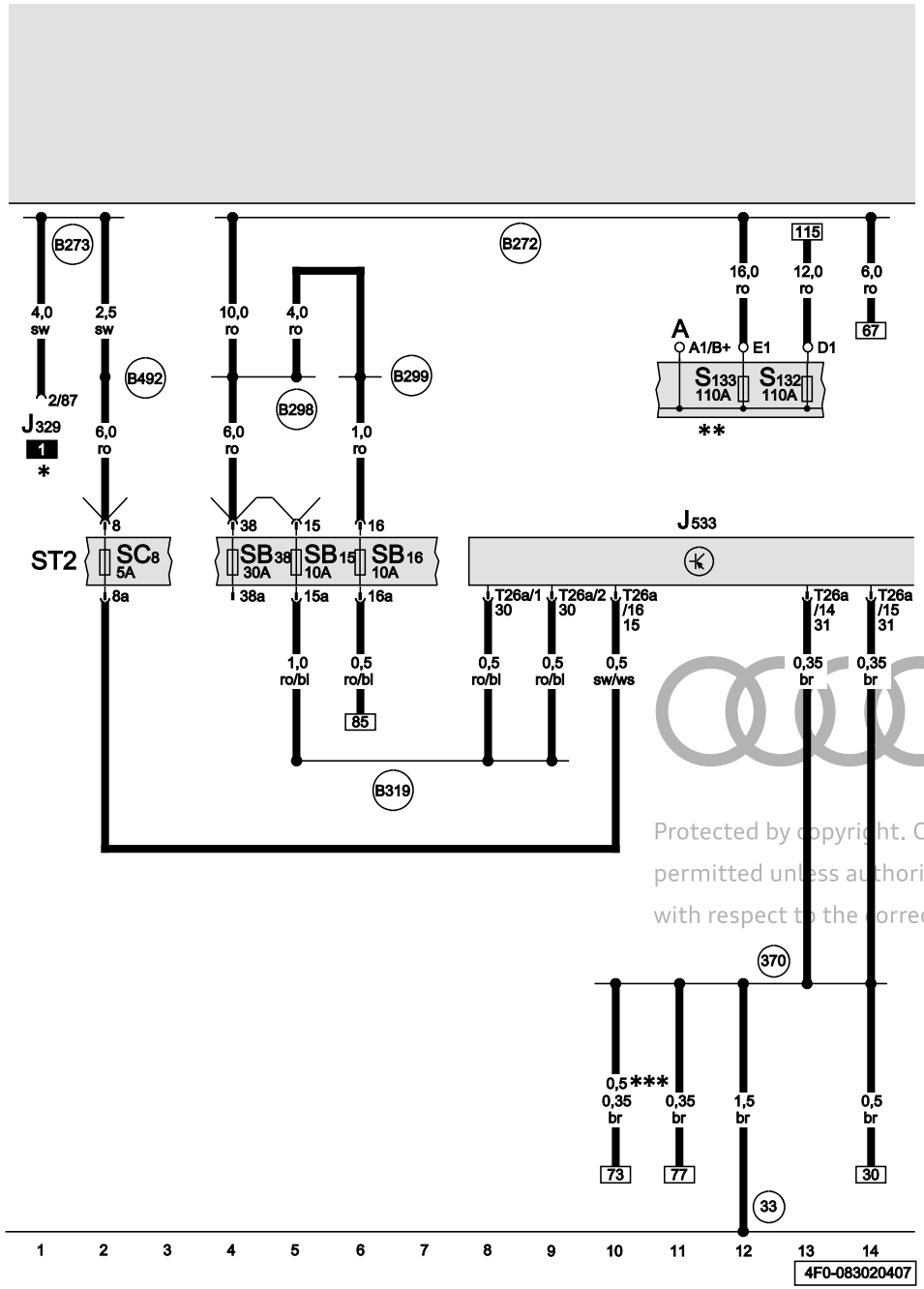
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

⇒ guided fault finding

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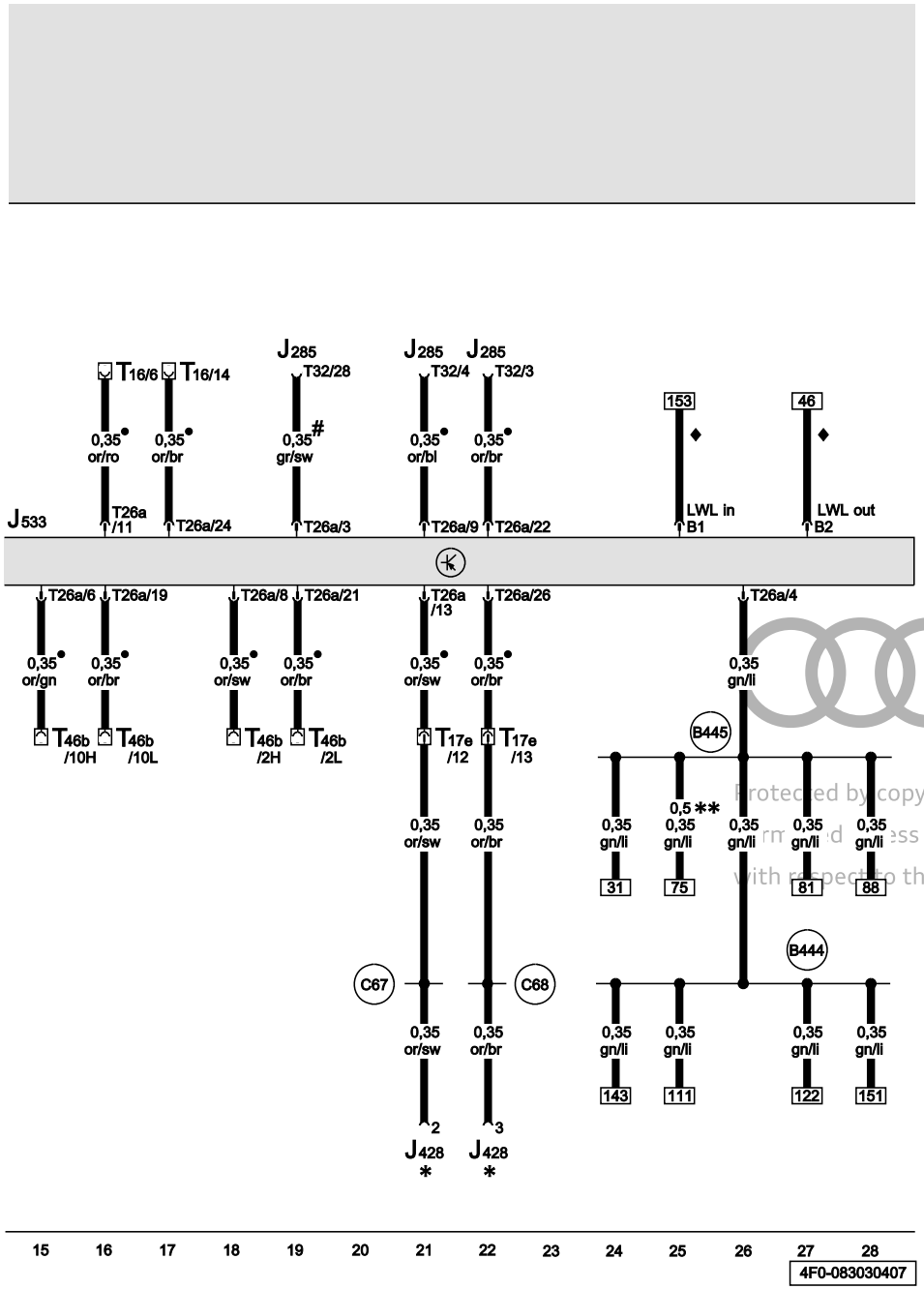


Data bus diagnostic interface, fuses

A	Battery
J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
S132	Fuse 2
S133	Fuse 3
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB38	Fuse 38 on fuse holder B
SC8	Fuse 8 on fuse holder C
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
**	9-point relay carrier, behind driver storage compartment
***	phased-in modification

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

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Data bus diagnostic interface

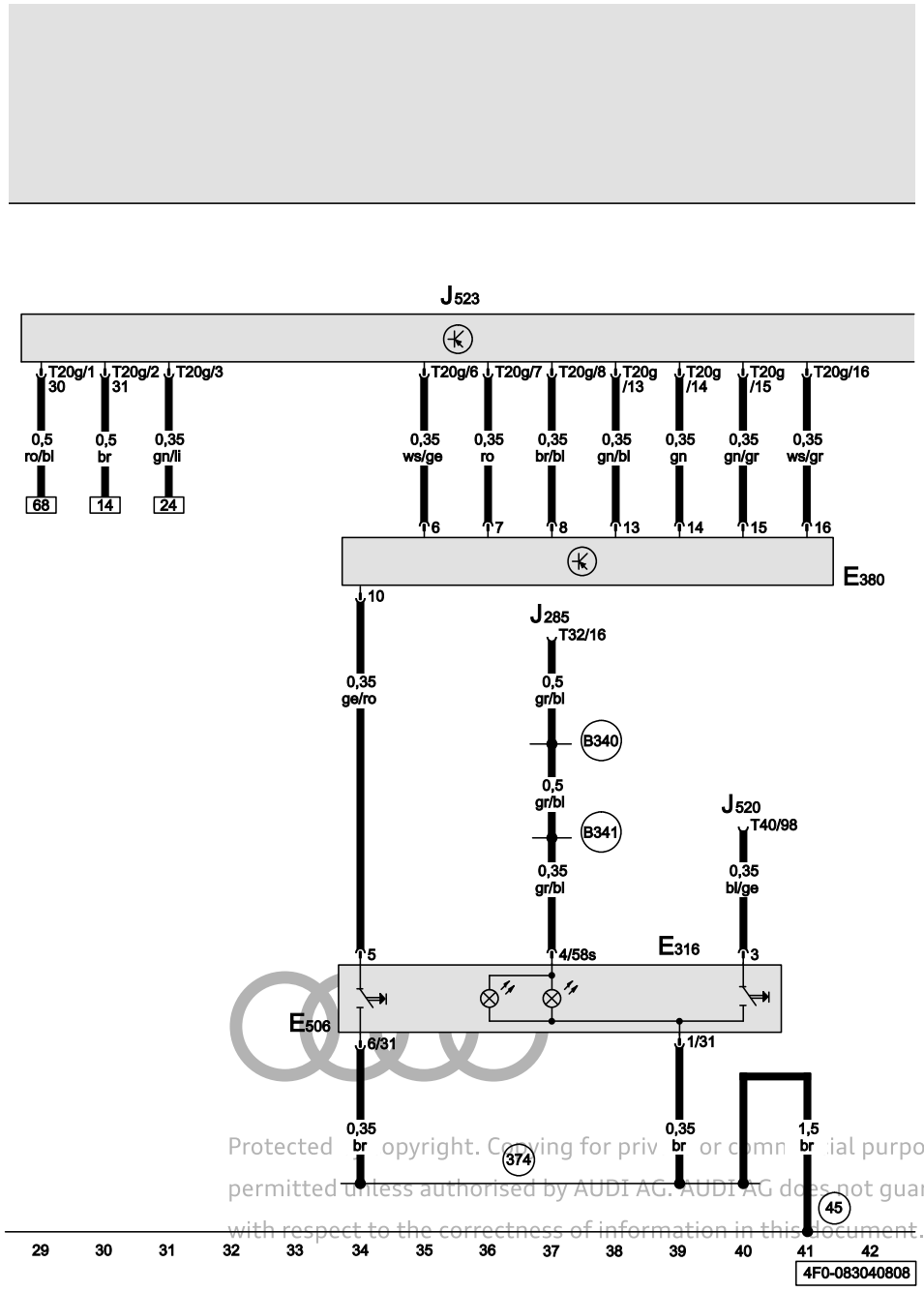
J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J533	Data bus diagnostic interface
T16	16-pin connector, diagnostic connector
T17e	17-pin connector, red, coupling station on left of A-pillar
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T46b	46-pin connector, CAN separating connector right
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
C67	Connection (CAN bus, high), in headlight wiring harness
C68	Connection (CAN bus, low), in headlight wiring harness
•	CAN bus (data wire)
*	models with adaptive cruise
**	phased-in modification
#	Wake Up wire (exciter wire)
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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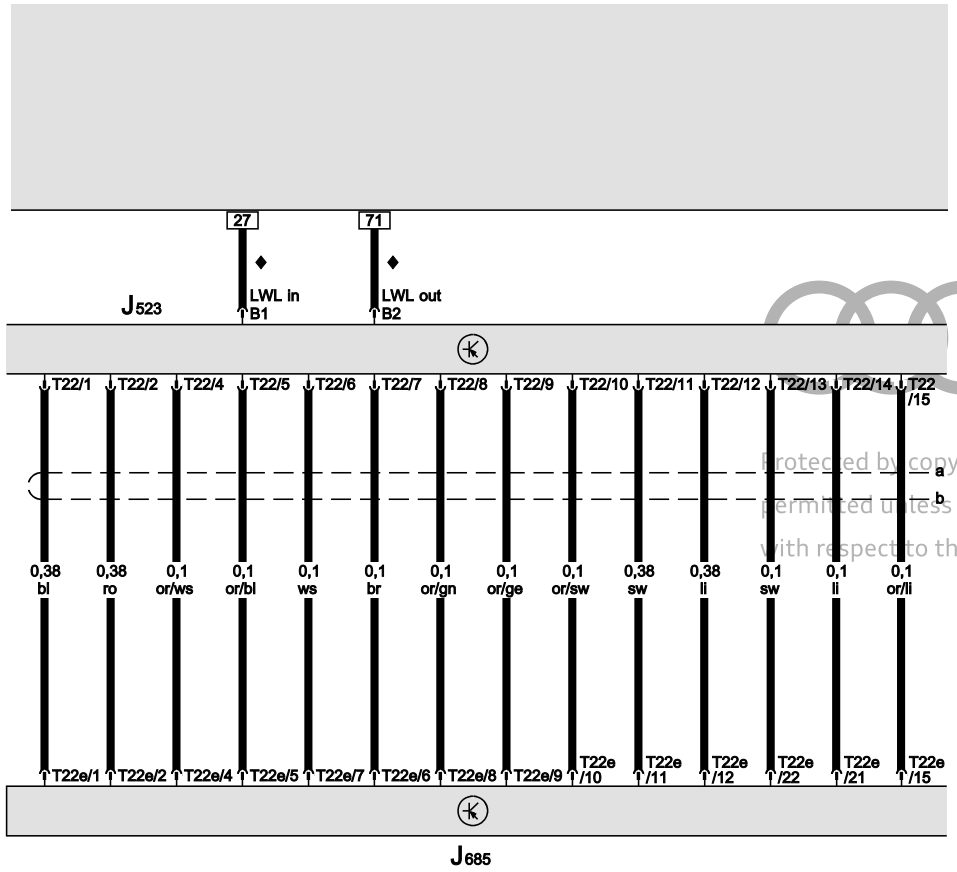
Front information display and operating unit control unit, multimedia system operating unit, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness



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br = brown
gn = green
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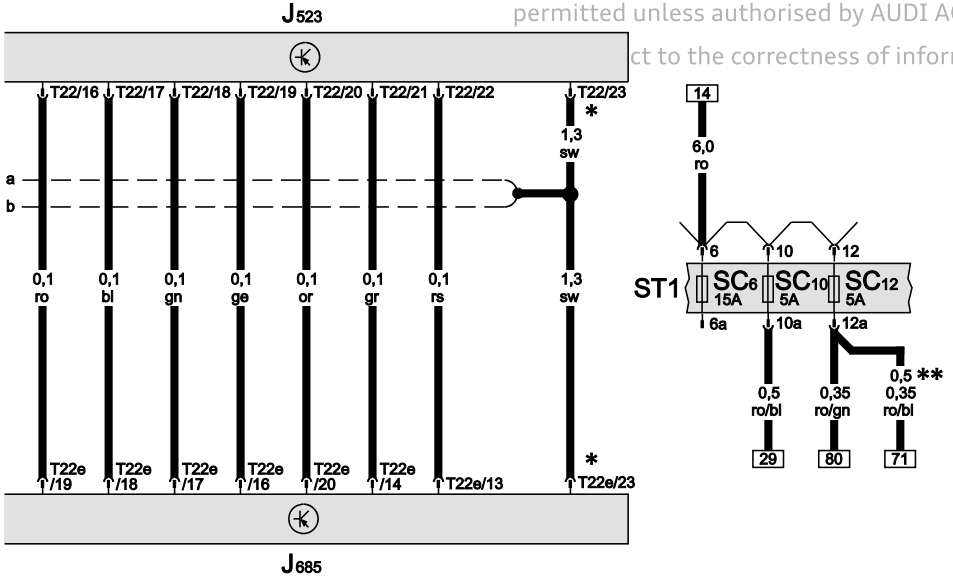


Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC12	Fuse 12 on fuse holder C
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit
*	screening on connector housing
**	phased-in modification

57 58 59 60 61 62 63 64 65 66 67 68 69 70

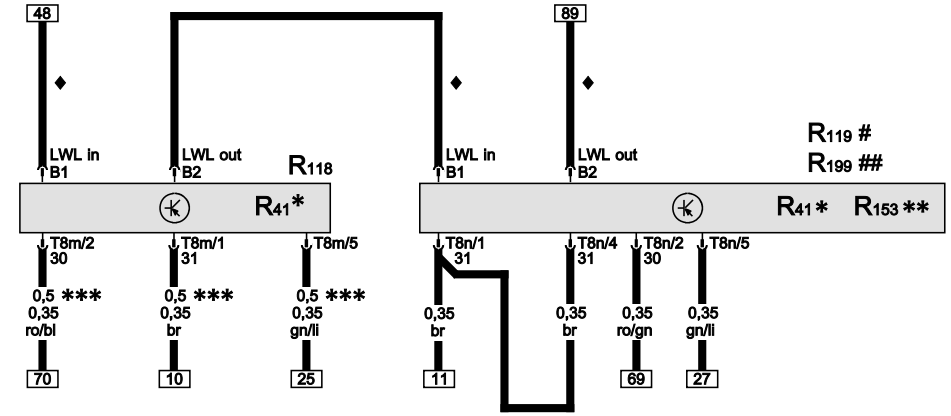
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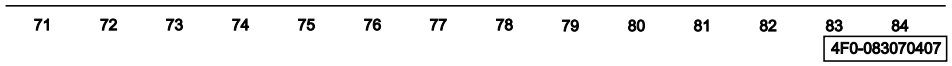
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Media player in position 1 and 2

R41	CD changer
R118	Media player in position 1
R119	Media player in position 2
R153	MiniDisc player
R199	Connection for external audio source
T8m	8-pin connector, black, on media player in position 1
T8n	8-pin connector, black, on media player in position 2
*	models with CD changer
**	models with MiniDisc player
***	phased-in modification
#	up to October 2006
##	from November 2006
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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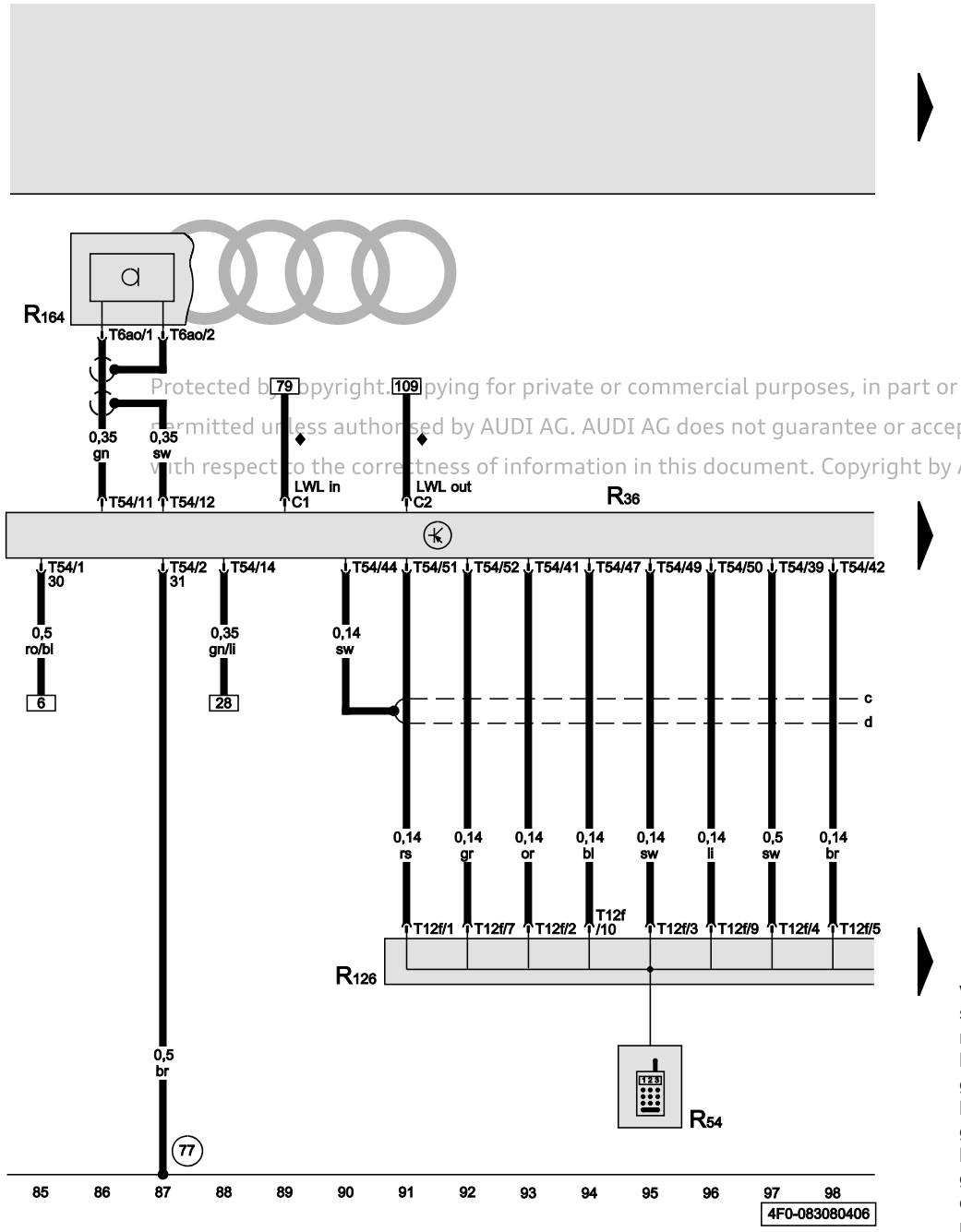




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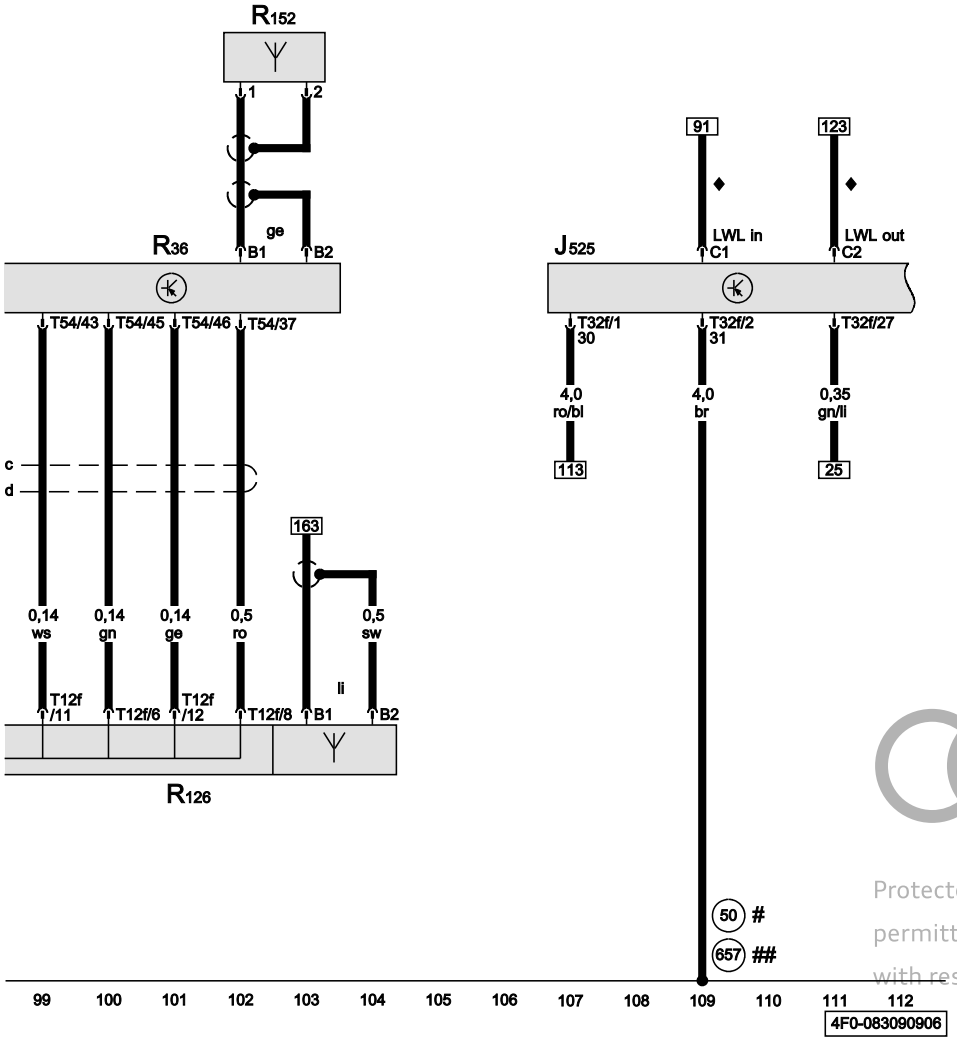
Telephone transmitter and receiver unit, telephone bracket, microphone unit in front roof module

R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T12f	12-pin connector, on mobile telephone
T54	54-pin connector, black, on telephone transmitter and receiver unit
77	Earth point, lower part of left B-pillar
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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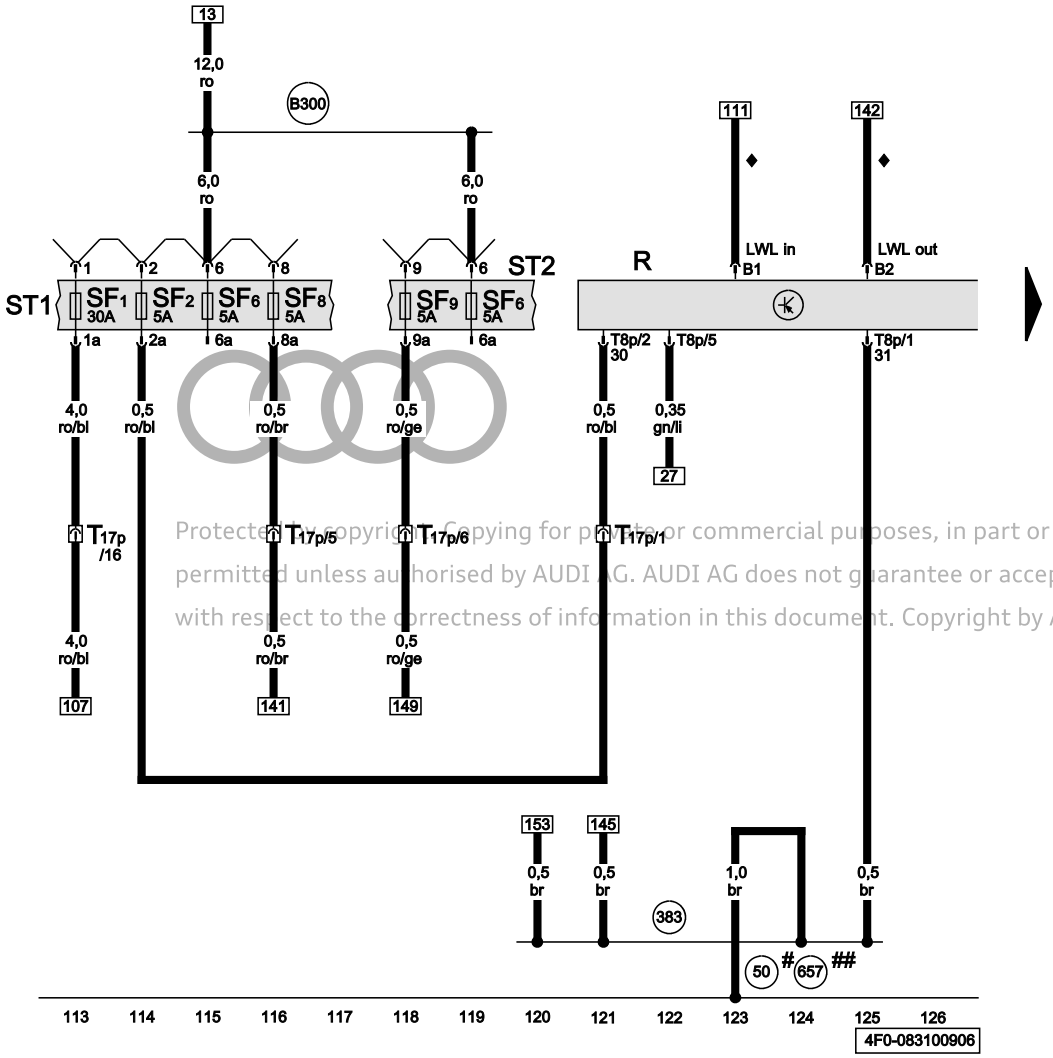


Telephone transmitter and receiver unit, telephone bracket, aerial for Bluetooth, digital sound package control unit

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R126	Telephone bracket
R152	Aerial for Bluetooth
T12f	12-pin connector, on mobile telephone
T32f	32-pin connector, black, connector A, on digital sound package control unit
T54	54-pin connector, black, on telephone transmitter and receiver unit
50	Earth point, on left in luggage compartment
657	Earth point 1, on left near rear window
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)
#	saloon models
##	Avant

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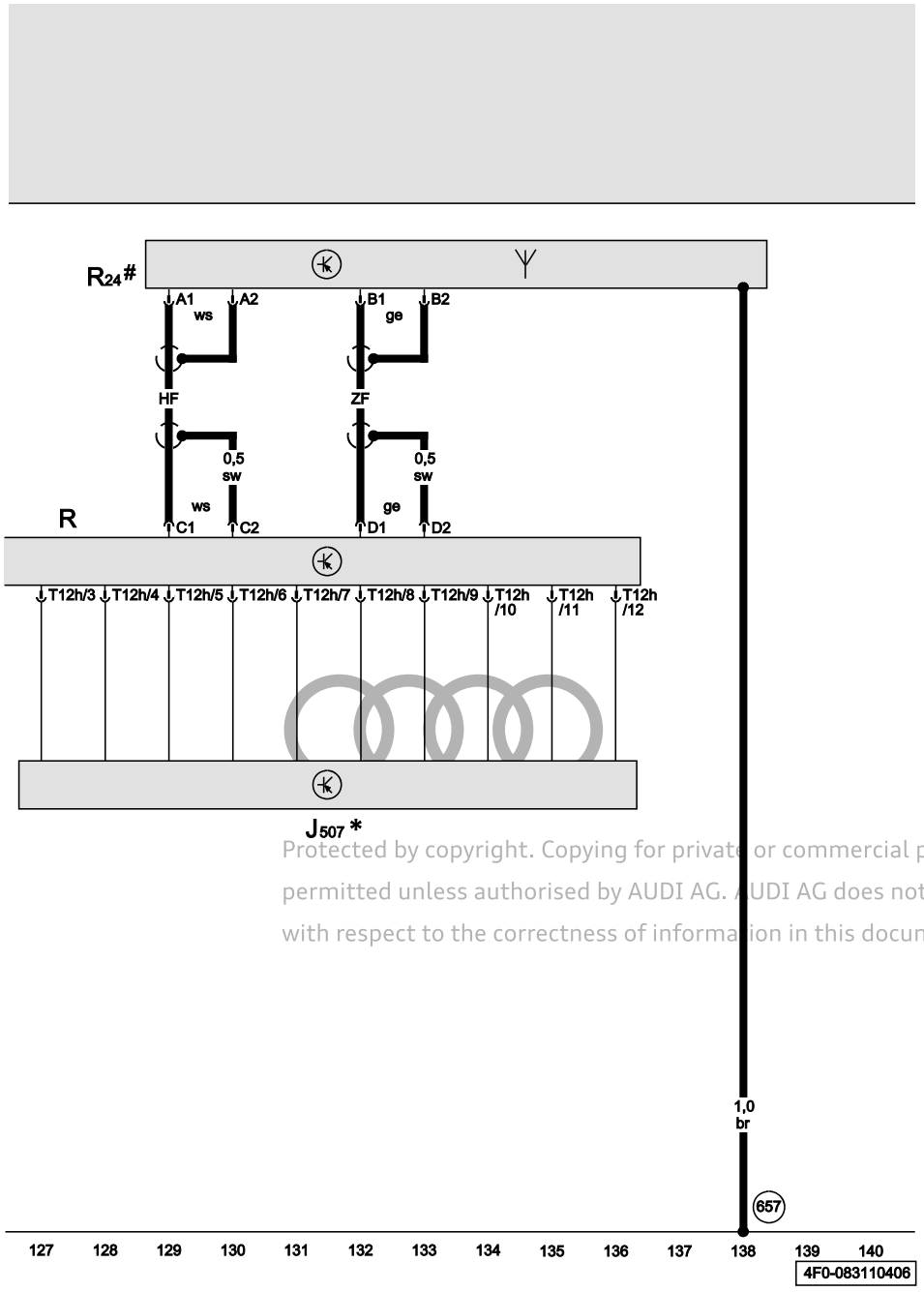
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Radio, fuses

R	Radio
SF1	Fuse 1 on fuse holder F
SF2	Fuse 2 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
SF9	Fuse 9 on fuse holder F
T8p	8-pin connector, black, on radio (K-box)
T17p	17-pin connector, black, in left luggage compartment
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
B300	Positive connection 4 (30), in main wiring harness
#	saloon models
##	Avant

Radio, language input control unit, aerial amplifier

J507	Language input control unit
R	Radio
R24	Aerial amplifier
T12h	12-pin connector, on radio (K-box)
657	Earth point 1, on left near rear window
*	models with voice control
#	on rear window upper left

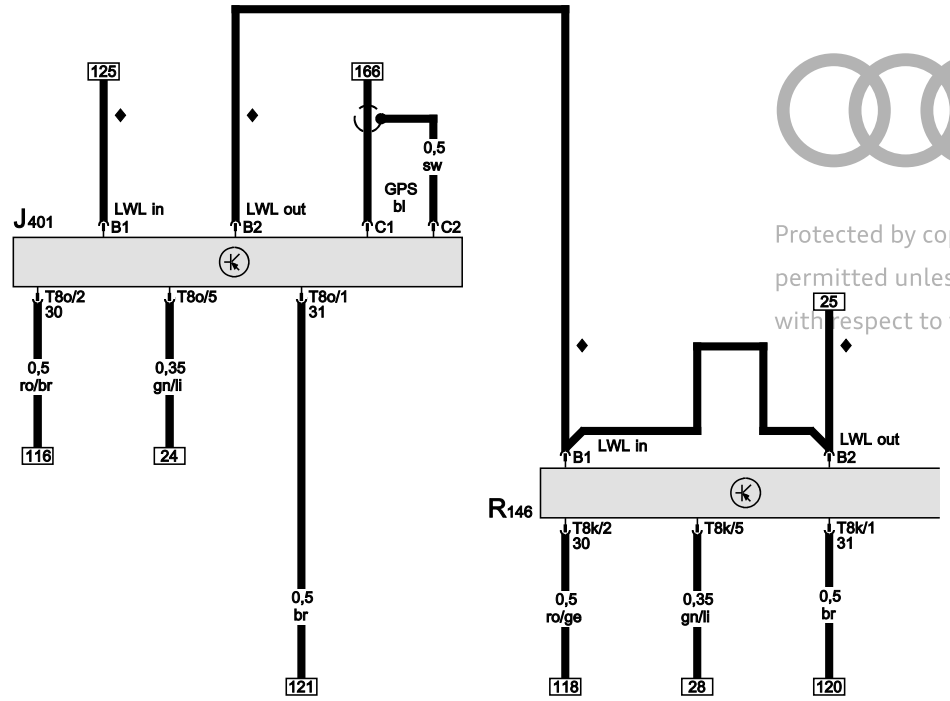


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Navigation system with CD drive control unit, satellite radio

J401	Navigation system with CD drive control unit
R146	Satellite radio
T8k	8-connector, black, on satellite radio
T8o	8-pin connector, black, on navigation system with CD drive control unit
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



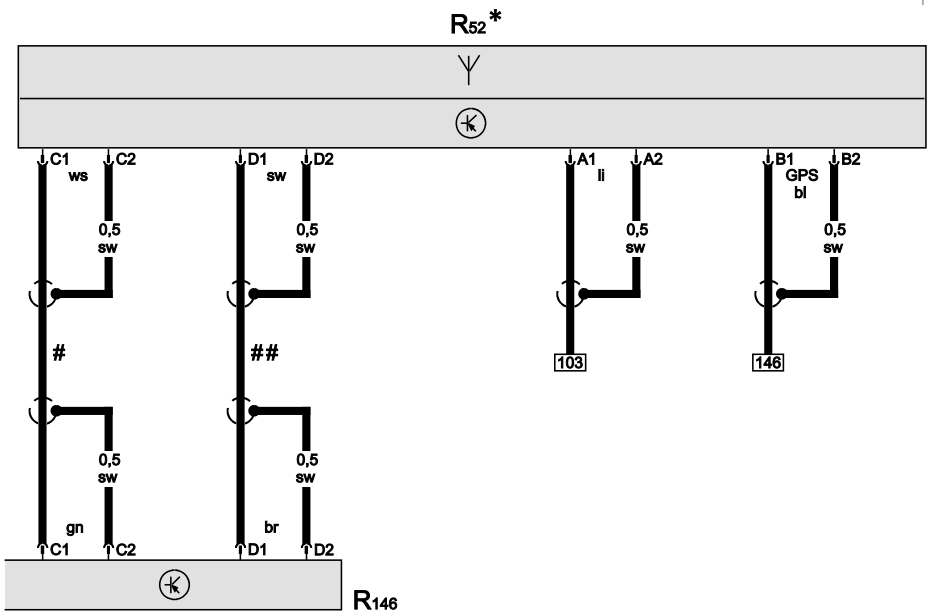
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Radio, telephone and navigation system aerial, satellite radio

R52	Radio, telephone and navigation system aerial
R146	Satellite radio
*	roof aerial
#	satellite aerial
##	terrestrial aerial

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Reversing camera system

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

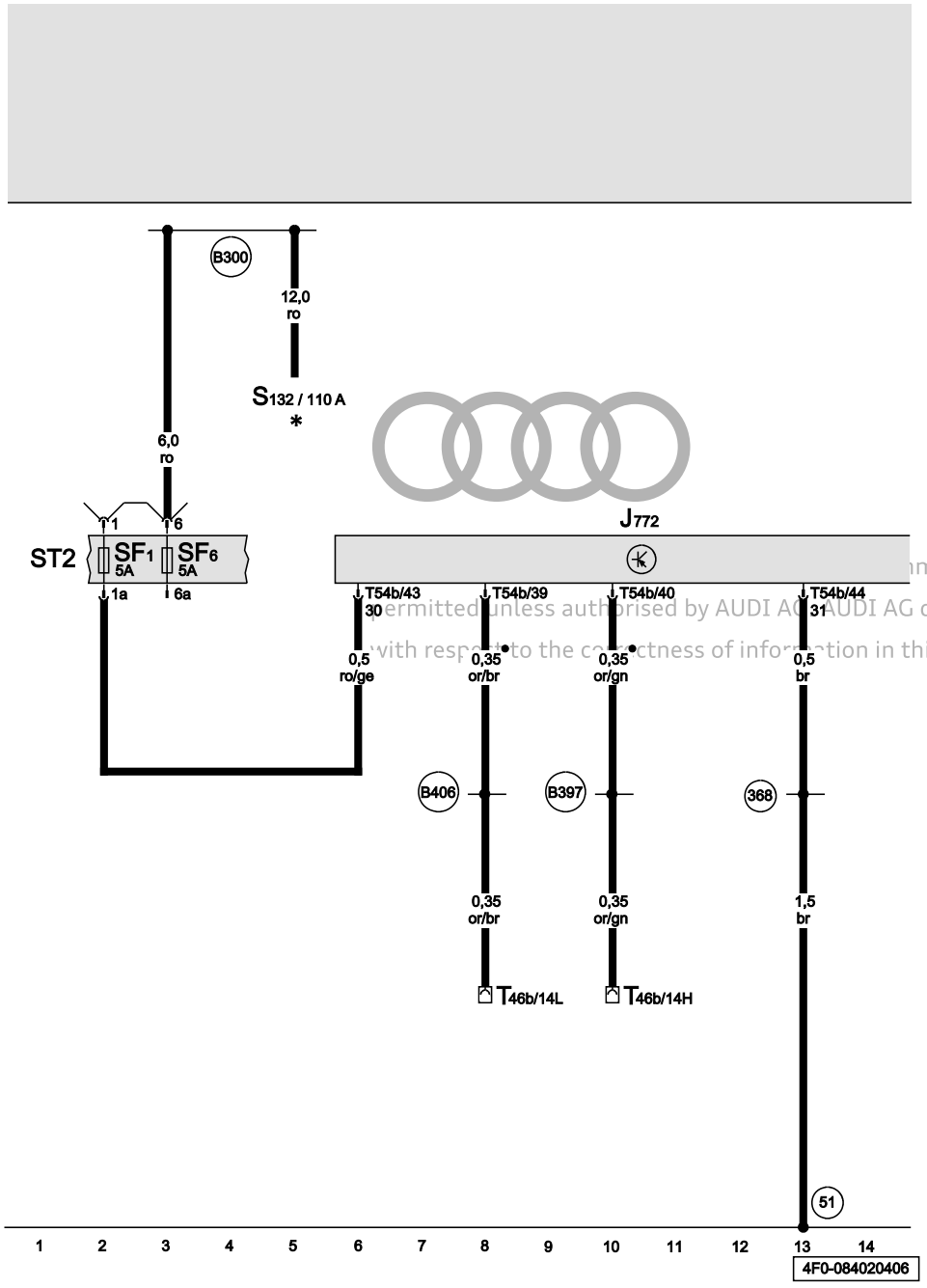
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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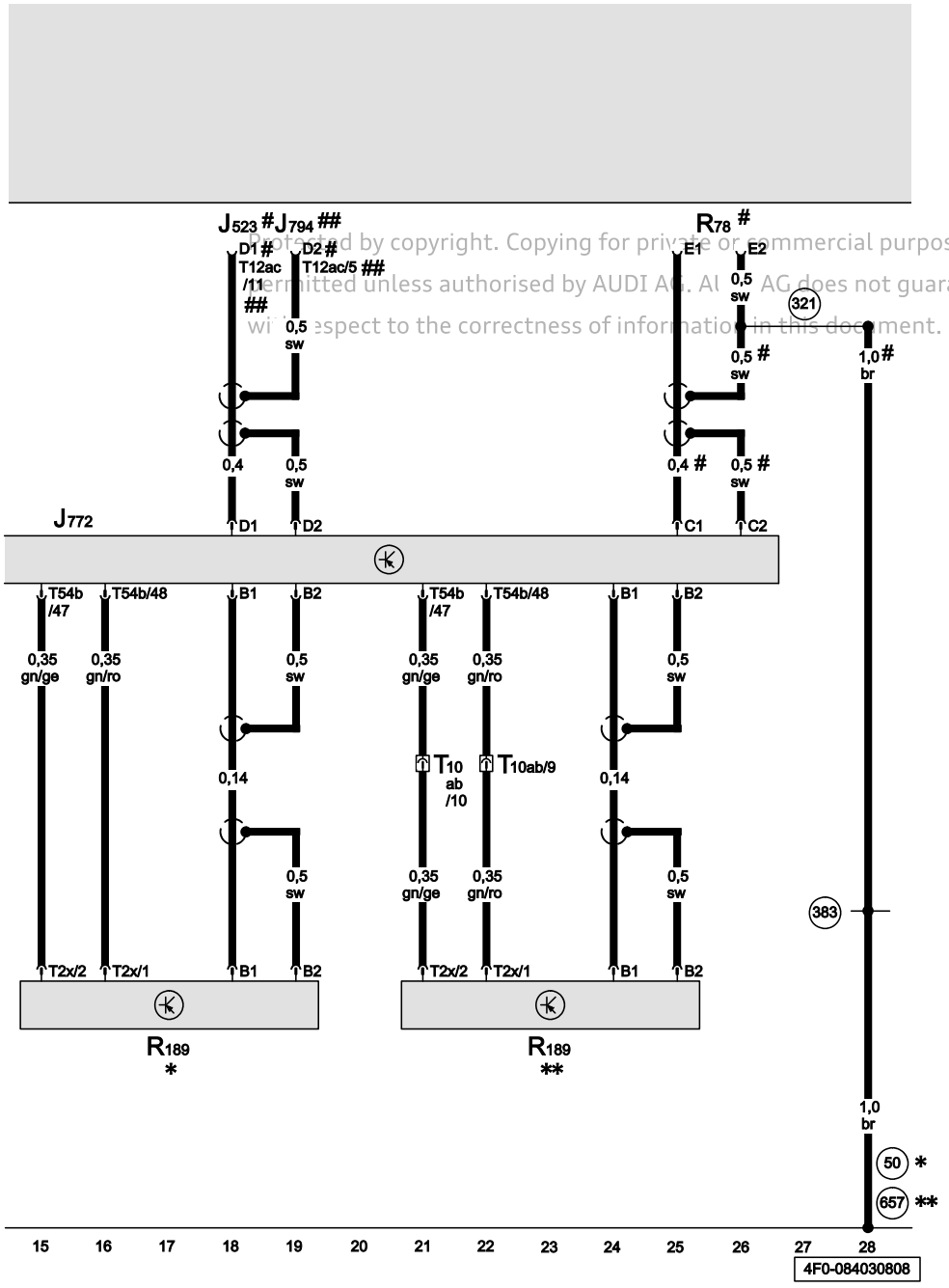
Reversing camera system control unit, fuse

J772	Reversing camera system control unit
S132	Fuse 2
SF1	Fuse 1 on fuse holder F
SF6	Fuse 6 on fuse holder F
T46b	46-pin connector, CAN separating connector right
T54b	54-pin connector, on reversing camera system control unit
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
B300	Positive connection 4 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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Reversing camera system control unit, reversing camera

J523	Front information display and operating unit control unit
J772	Reversing camera system control unit
J794	Control unit 1 for information electronics
R78	TV tuner
R189	Reversing camera
T2x	2-pin connector, on reversing camera
T10ab	10-pin connector, brown, coupling station on right of D-pillar
T12ac	12-pin connector, blue, connector B, control unit 1 for information electronics
T54b	54-pin connector, on reversing camera system control unit
50	Earth point, on left in luggage compartment
321	Earth connection (screening 2, TV), in communication wiring harness
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
*	saloon models
**	Avant
#	up to August 2008
##	from September 2008

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Trailer towing attachment

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

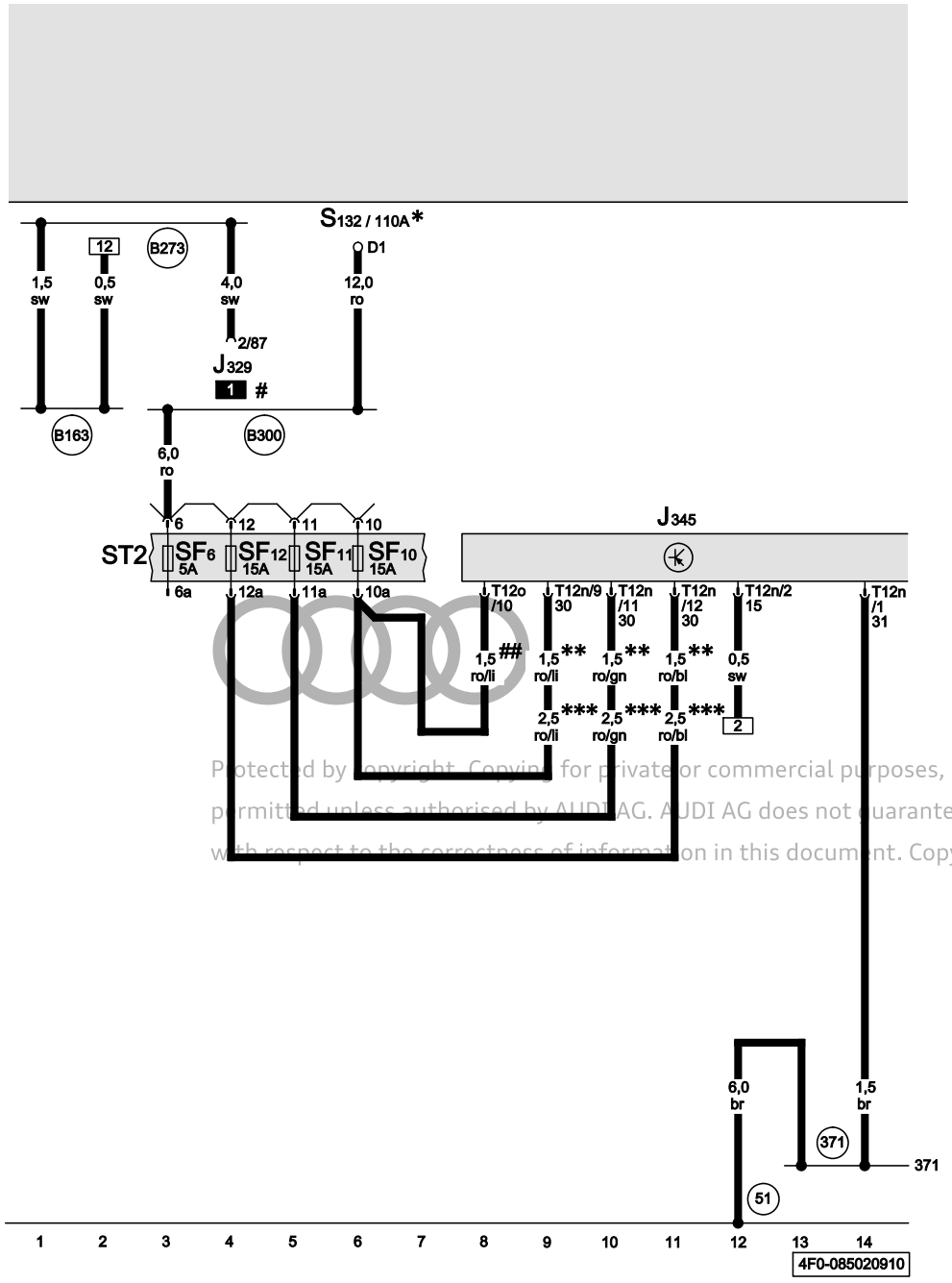
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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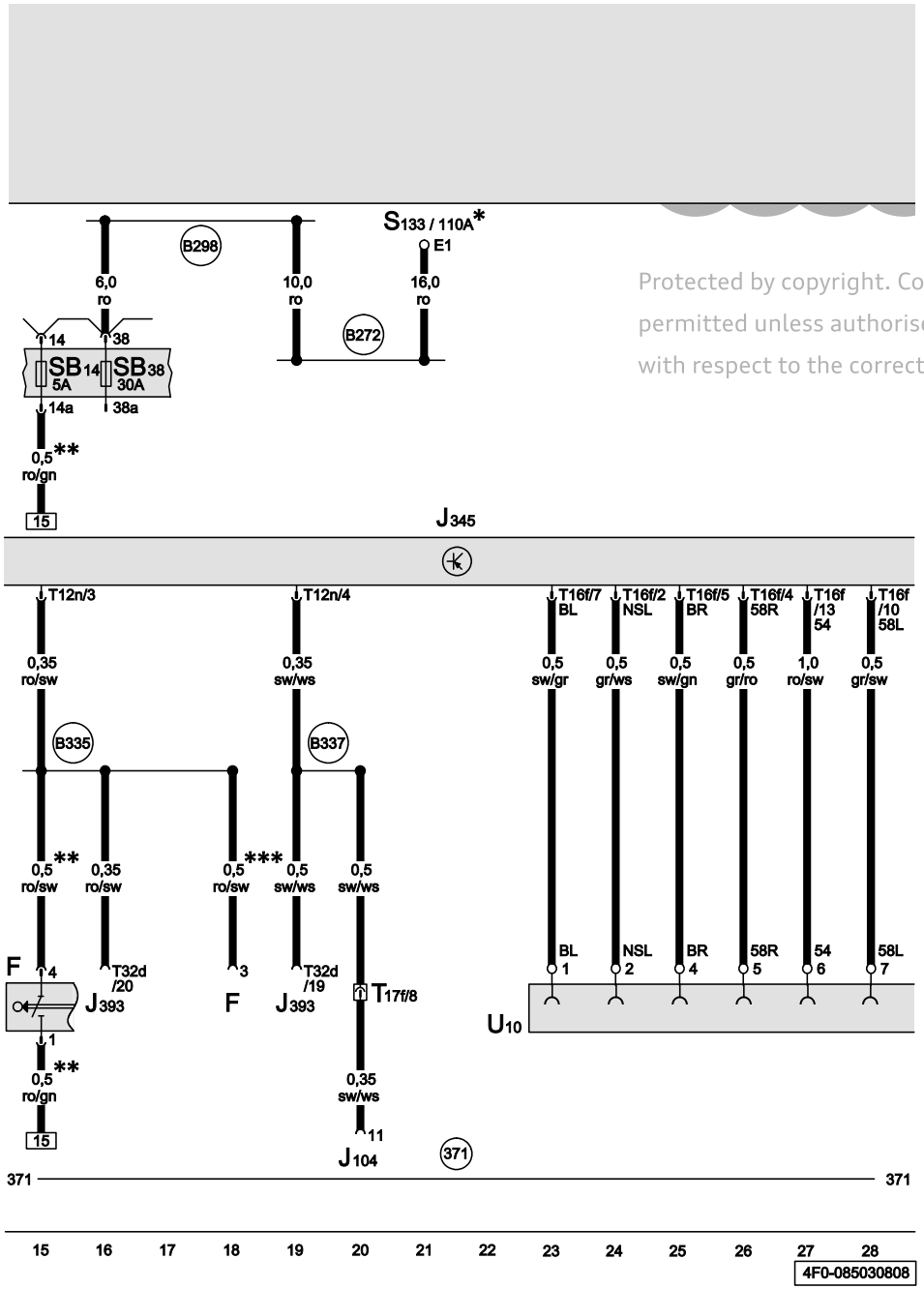


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Trailer detector control unit, fuses

J329	Terminal 15 voltage supply relay
J345	Trailer detector control unit
S132	Fuse 2
SF6	Fuse 6 on fuse holder F
SF10	Fuse 10 on fuse holder F
SF11	Fuse 11 on fuse holder F
SF12	Fuse 12 on fuse holder F
T12n	12-pin connector, red, connector B, on trailer detector control unit
T12o	12-pin connector, blue, connector C, on trailer detector control unit
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
#	9-point relay carrier, behind driver storage compartment
##	up to May 2008
*	main fuse box, in luggage compartment, rear right, on the battery
**	up to May 2007
***	from June 2007



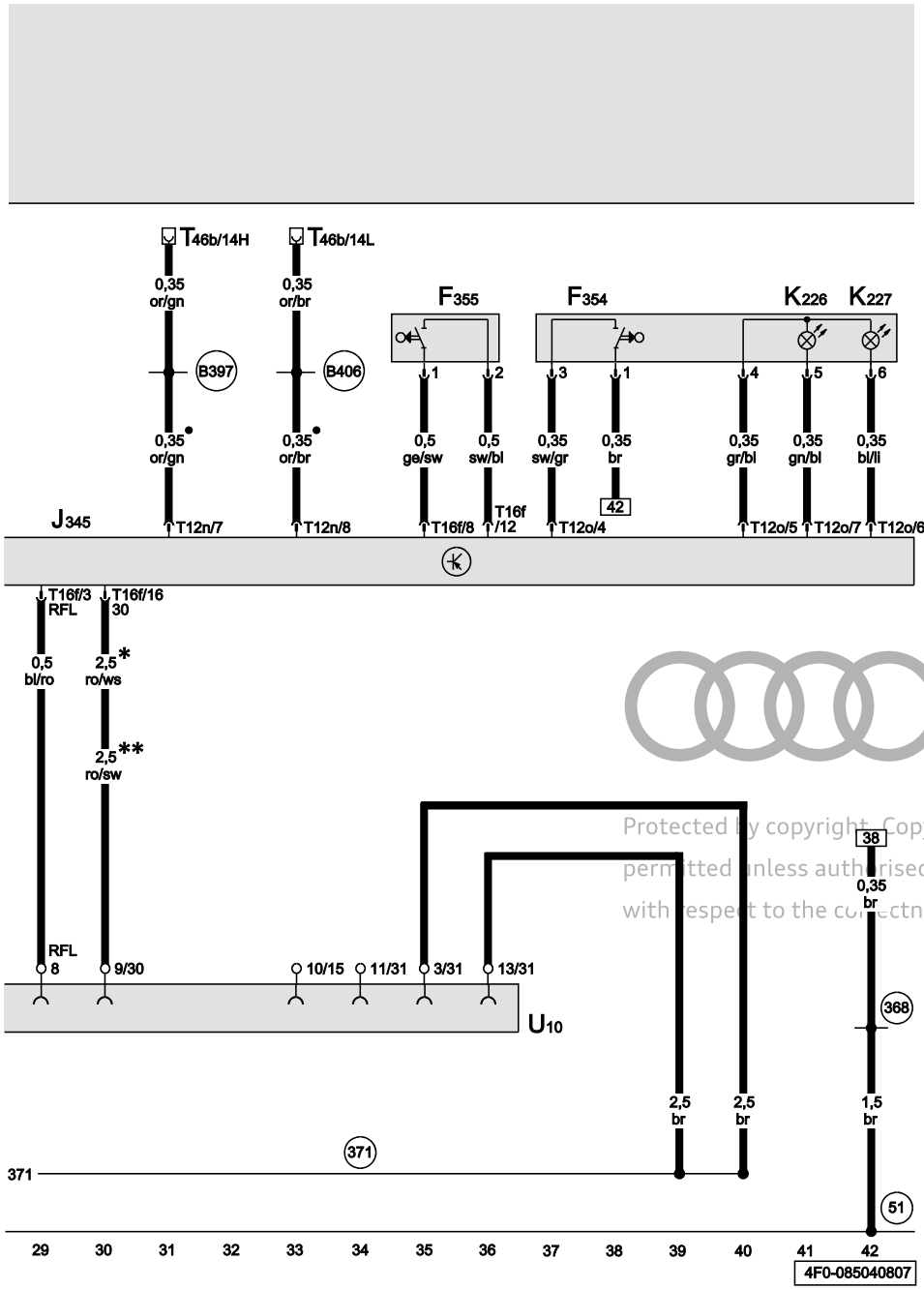
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Trailer detector control unit, trailer socket

F	Brake light switch
J104	ABS control unit
J345	Trailer detector control unit
J393	Convenience system central control unit
S133	Fuse 3
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T12n	12-pin connector, red, connector B, on trailer detector control unit
T16f	16-pin connector, black, connector A, on trailer detector control unit
T17f	17-pin connector, green, coupling station on left of A-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
U10	Trailer socket
371	Earth connection 6, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B335	Connection 1 (54), in main wiring harness
B337	Connection 3 (54), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
**	up to May 2007
***	from June 2007

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Trailer detector control unit, trailer socket, contact switch on hand wheel, contact switch on locking pin, trailer towing attachment warning lamps



F354 Contact switch on hand wheel
F355 Contact switch on locking pin
J345 Trailer detector control unit
K226 Trailer towing attachment locked warning lamp
K227 Trailer towing attachment released warning lamp
T12n 12-pin connector, red, connector B, on trailer detector control unit
T12o 12-pin connector, blue, connector C, on trailer detector control unit
T16f 16-pin connector, black, connector A, on trailer detector control unit
T46b 46-pin connector, CAN disconnector right
U10 Trailer socket

51 Earth point, on right in luggage compartment

368 Earth connection 3, in main wiring harness

371 Earth connection 6, 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

• CAN bus (data wire)
* saloon models
** Avant

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Anti-lock brake system (ABS) with traction control system (TCS) and electronic stabilisation program (ESP)

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

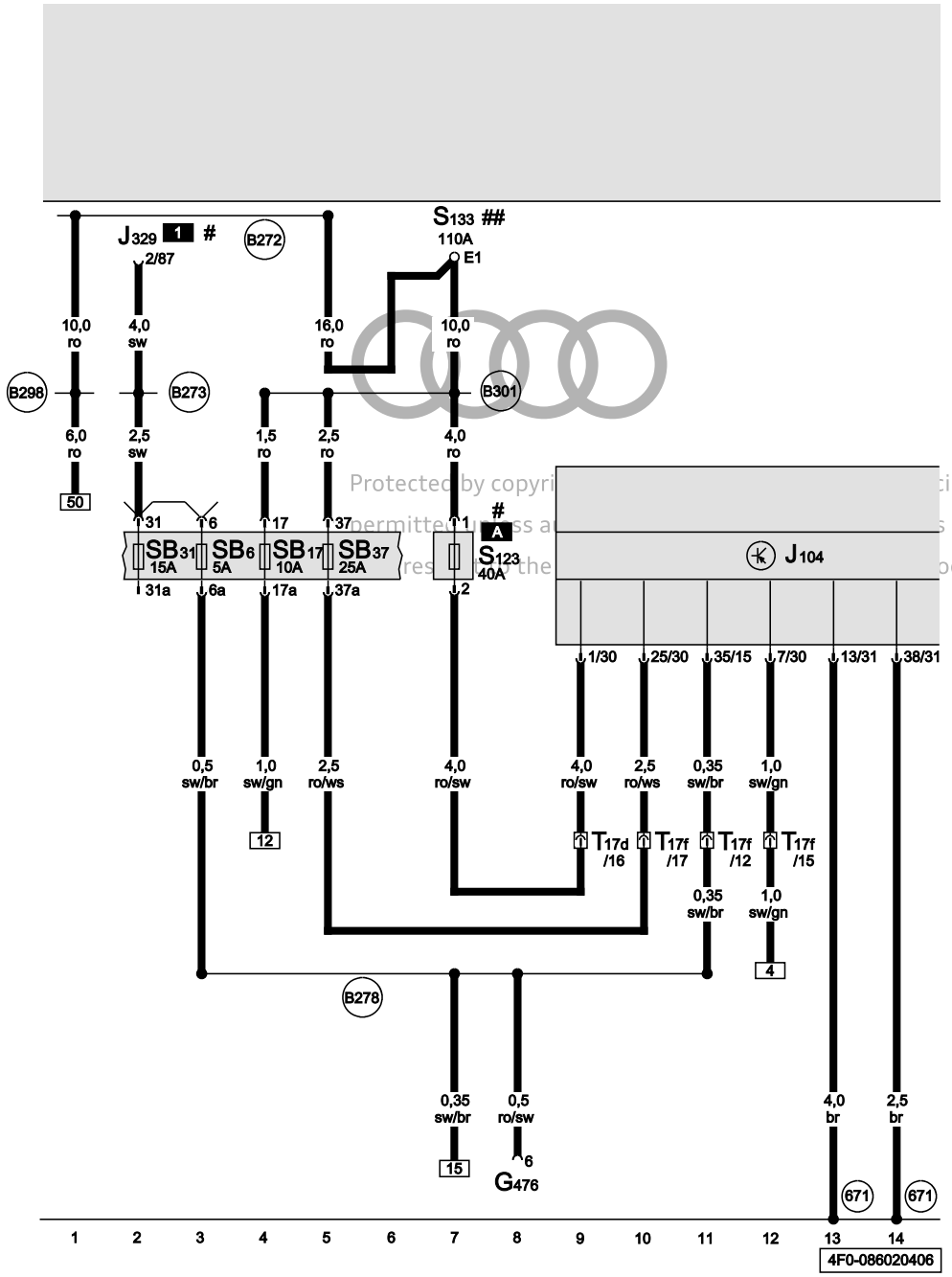
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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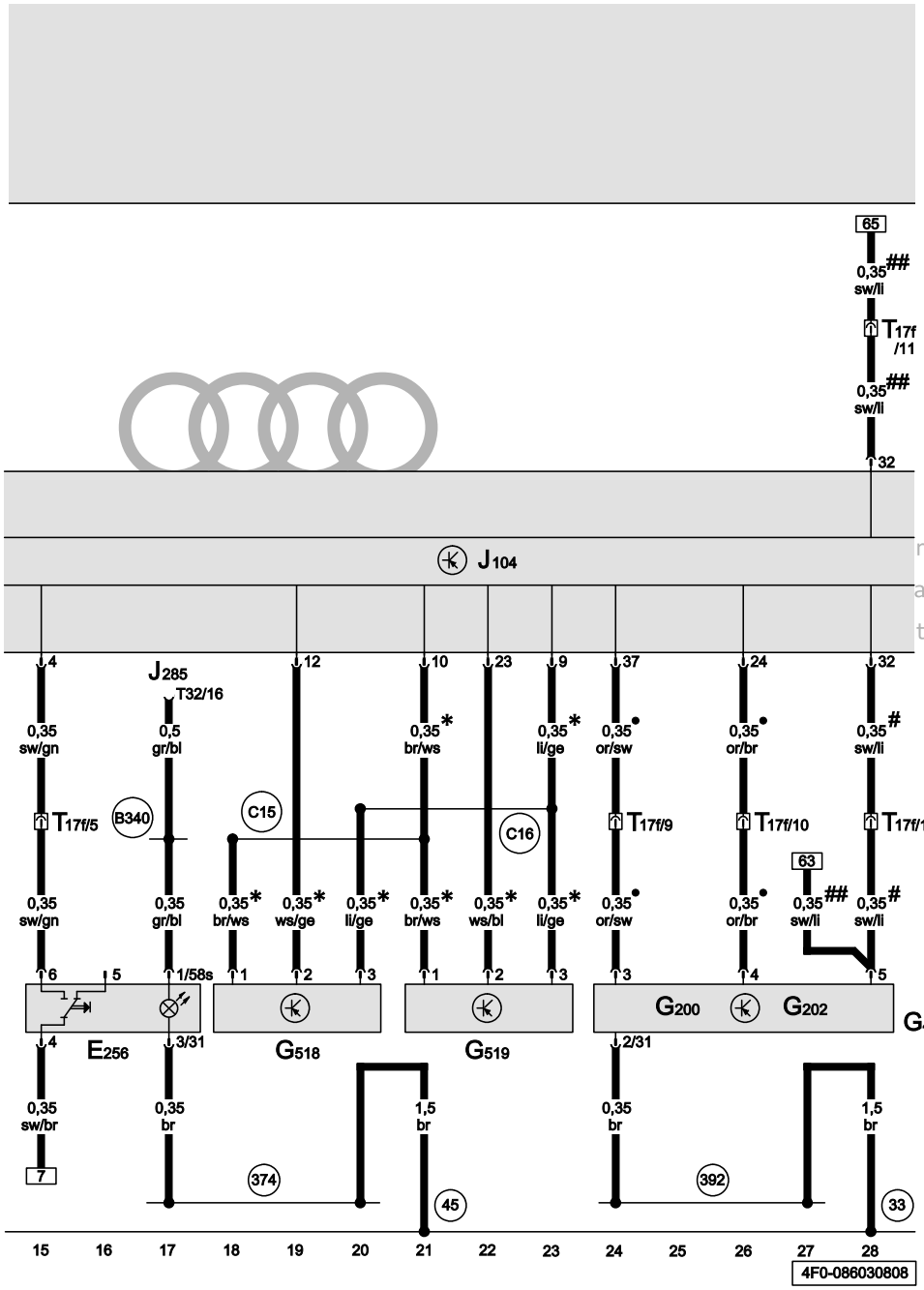


ABS control unit, ABS control unit fuse 1

G476	Clutch position sender
J104	ABS control unit
J329	Terminal 15 voltage supply relay
S123	ABS control unit fuse 1
S133	Fuse 3
SB6	Fuse 6 on fuse holder B
SB17	Fuse 17 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB37	Fuse 37 on fuse holder B
T17d	17-pin connector, black, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
671	Earth point 1, on front of left longitudinal member
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
#	9-point relay carrier, behind driver storage compartment
##	main fuse box, in luggage compartment, rear right, on the battery

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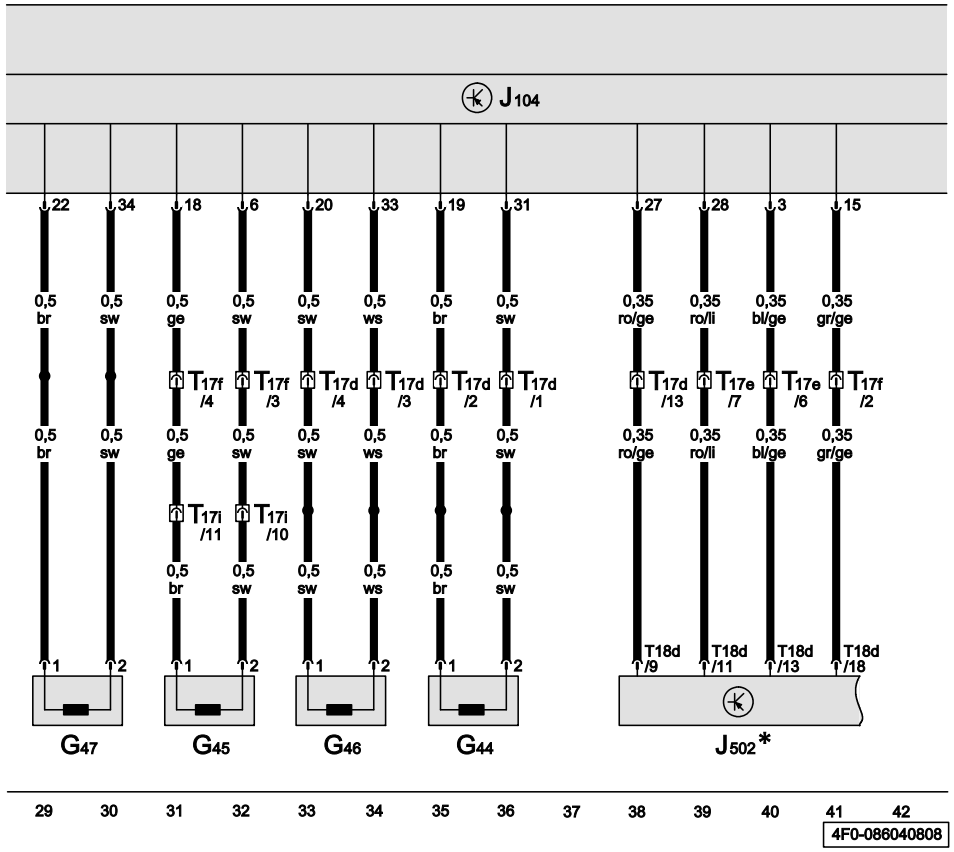
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ABS control unit, ESP TCS and ESP button, lateral acceleration sender, yaw rate sender, ESP sensor unit, front brake pressure sender

E256	TCS and ESP button
G200	Lateral acceleration sender
G202	Yaw rate sender
G419	ESP sensor unit
G518	Front left brake pressure sender
G519	Front right brake pressure sender
J104	ABS control unit
J285	Control unit in dash panel insert
T17f	17-pin connector, green, coupling station on left of A-pillar
T32	32-pin connector, grey, on dash panel insert
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
392	Earth connection 27, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
C15	Connection 1, in headlight wiring harness
C16	Connection 2, in headlight wiring harness
•	CAN bus (data wire)
*	models with adaptive cruise control (ACC)
#	up to May 2007
##	from June 2007

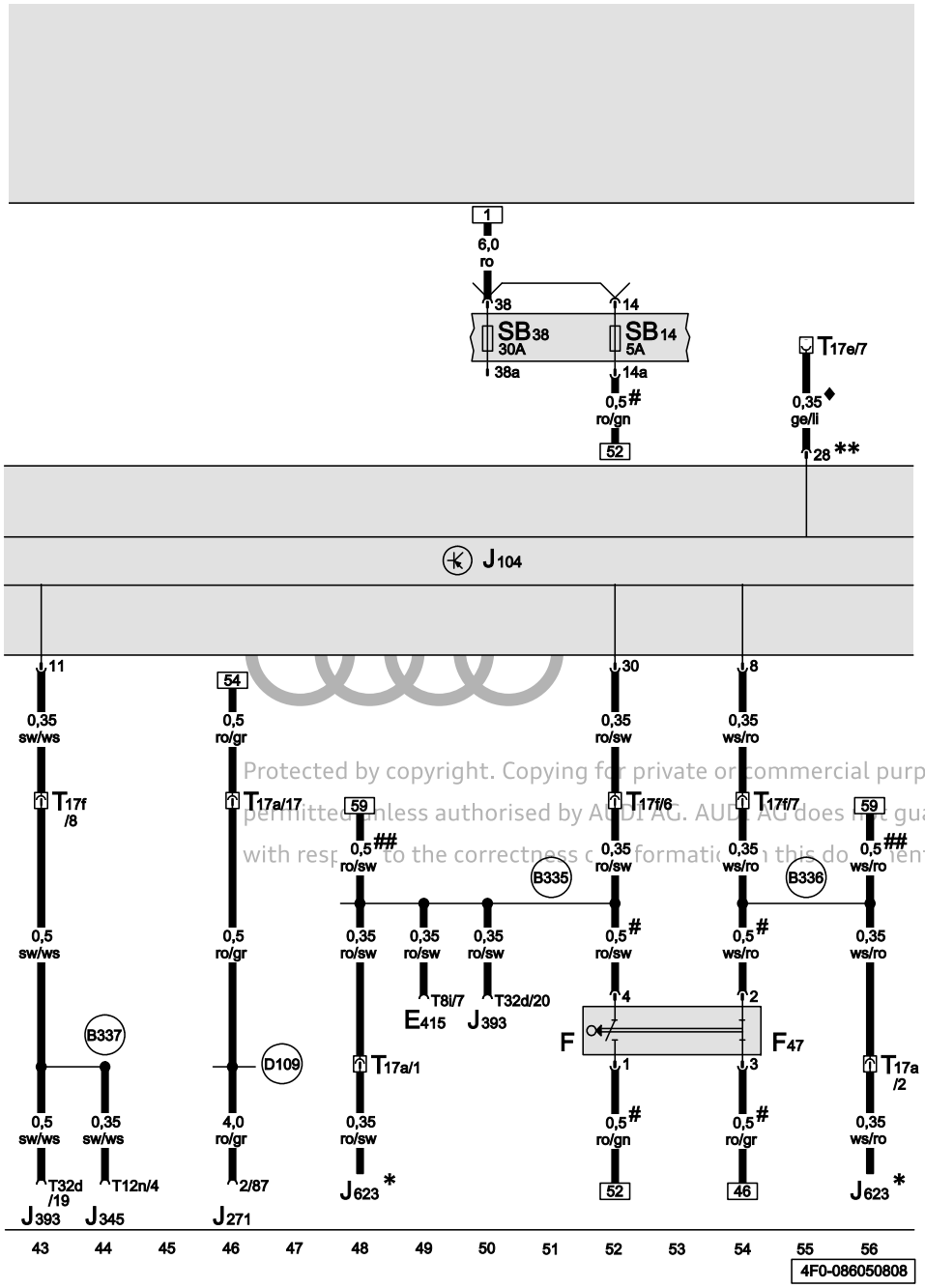
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ABS control unit, speed sensor

G44	Rear right speed sensor
G45	Front right speed sensor
G46	Rear left speed sensor
G47	Front left speed sensor
J104	ABS control unit
J502	Tyre pressure monitor control unit
T17d	17-pin connector, black, coupling station on left of A-pillar
T17e	17-pin connector, red, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
T18d	18-pin connector, black, on tyre pressure monitor control unit
*	models with tyre pressure monitor (7K6)

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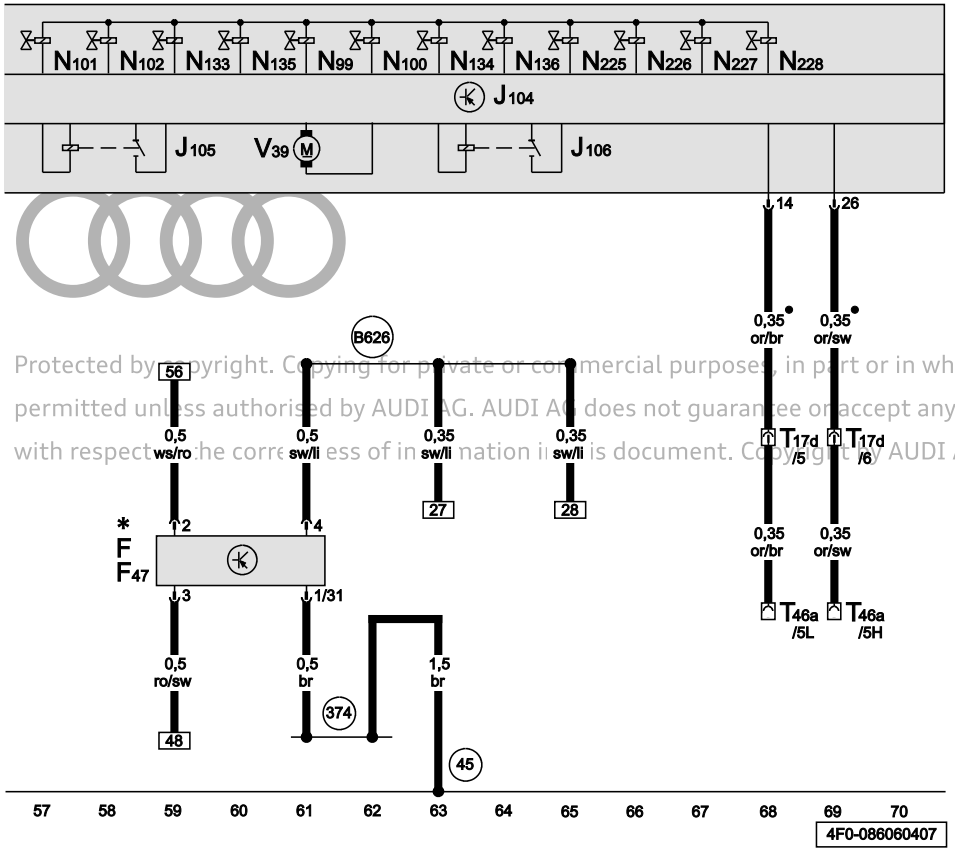
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ABS control unit, brake light switch, output V-signal

E415	Entry and start authorisation switch
F	Brake light switch
F47	Brake pedal switch
J104	ABS control unit
J271	Motronic current supply relay
J345	Trailer detector control unit
J393	Convenience system central control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T8i	8-pin connector, black, connector A, on entry and start authorisation switch
T12n	12-pin connector, red, connector B, on trailer detector control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17e	17-pin connector, red, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B337	Connection 3 (54), in main wiring harness
D109	Connection 7, in engine compartment wiring harness
*	⇒ Engine Current Flow Diagram
**	Output V-signal, optimal equipment
#	up to May 2007
##	from June 2007
♦	up to May 2008

ABS control unit, ABS return flow pump, inlet and outlet valve, ABS return flow pump relay

F	Brake light switch
F47	Brake pedal switch
J104	ABS control unit
J105	ABS return flow pump relay
J106	ABS solenoid valve relay
N99	Front right ABS inlet valve
N100	Front right ABS outlet valve
N101	Front left ABS inlet valve
N102	Front left ABS outlet valve
N133	Rear right ABS inlet valve
N134	Rear left ABS inlet valve
N135	Rear right ABS outlet valve
N136	Rear left ABS outlet valve
N225	Vehicle stabilization program switch valve 1
N226	Vehicle stabilization program switch valve 2
N227	Vehicle stabilization program high pressure valve 1
N228	Vehicle stabilization program high pressure valve 2
T17d	17-pin connector, black, coupling station on left of A-pillar
T46a	46-pin connector, CAN separating connector left
V39	ABS return flow pump
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
•	CAN bus (data wire)
*	from June 2007



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Airbag

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

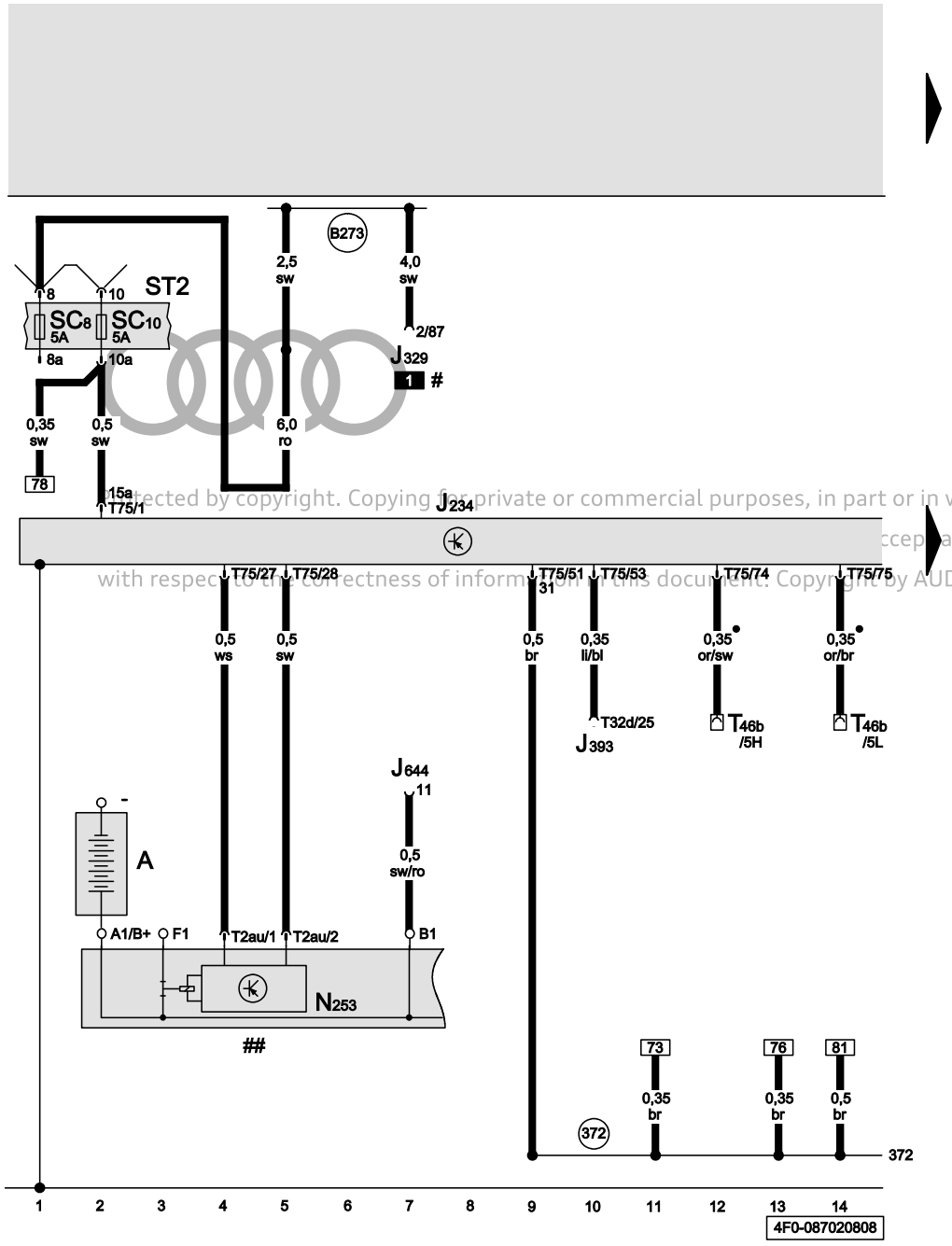
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Airbag control unit, battery isolation igniter

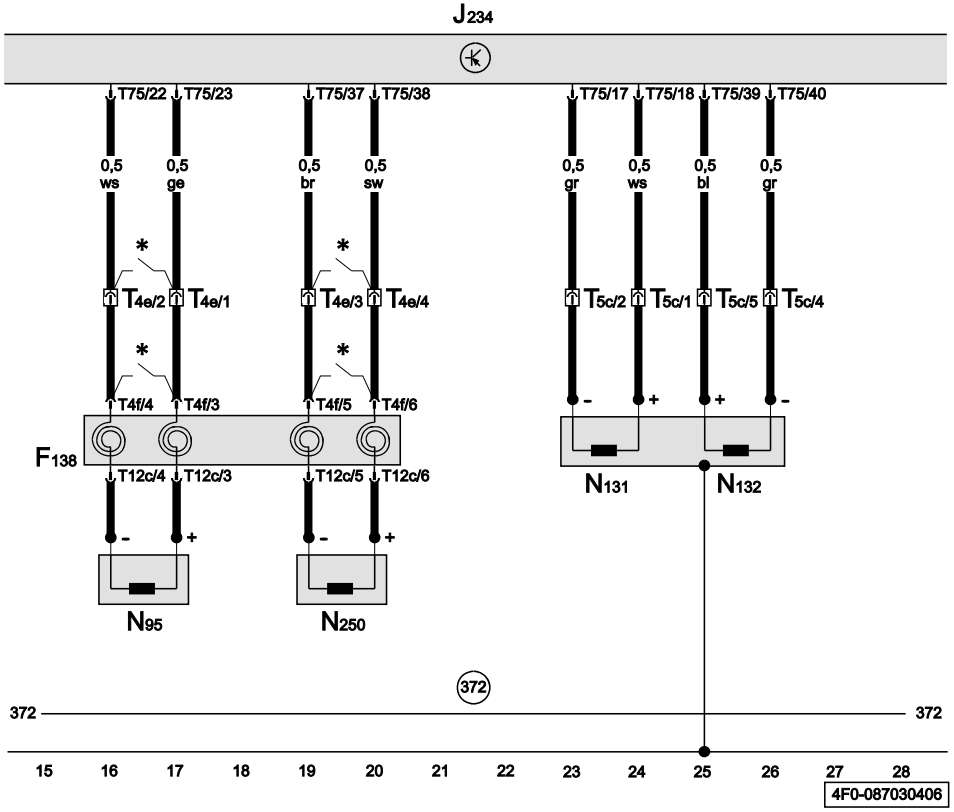
A	Battery
J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
J644	Energy management control unit
N253	Battery isolation igniter
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
T2au	2-pin connector, purple, on battery isolation igniter
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T46b	46-pin connector, CAN disconnector right
T75	75-pin connector, grey, on airbag control unit
372	Earth connection 7, in main wiring harness
B273	Positive connection (15), in main wiring harness
•	CAN bus (data wire)
#	9-point relay carrier, behind driver storage compartment
##	main fuse box, in luggage compartment, rear right, on the battery

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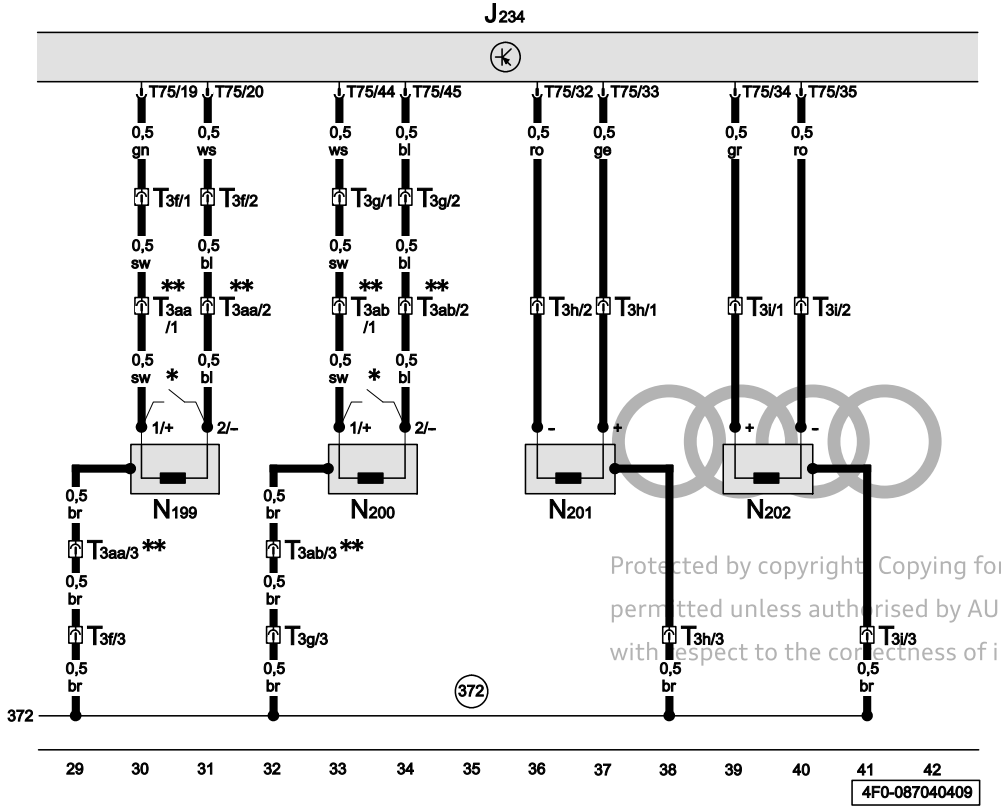
Airbag control unit, driver side airbag igniter, front passenger side airbag igniter

F138	Airbag coil connector and return spring with slip ring
J234	Airbag control unit
N95	Driver side airbag igniter
N131	Front passenger side airbag igniter 1
N132	Front passenger side airbag igniter 2
N250	Driver side airbag igniter 2
T4e	4-pin connector, yellow, behind steering column switch trim (airbag)
T4f	4-pin connector, yellow, behind steering column switch trim (coil connector)
T5c	5-pin connector, yellow, behind the dash panel, right
T12c	12-pin connector, yellow, on steering wheel
T75	75-pin connector, grey, on airbag control unit
372	Earth connection 7, in main wiring harness
*	short circuit bridge becomes effective when connector is unplugged

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Airbag control unit, side airbag igniter on driver and front passenger side, rear side airbag igniter on driver and front passenger side

J234	Airbag control unit
N199	Side airbag igniter on driver side
N200	Side airbag igniter on front passenger side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on front passenger side
T3f	3-pin connector, yellow, on left of seat cross member
T3g	3-pin connector, yellow, on right of seat cross member
T3h	3-pin connector, yellow, undern left of rear seat
T3i	3-pin connector, yellow, under right of rear seat
T3aa	3-pin connector, in driver seat
T3ab	3-pin connector, in front passenger seat
T75	75-pin connector, grey, on airbag control unit
372	Earth connection 7, in main wiring harness
*	short circuit bridge becomes effective when connector is unplugged
**	no longer fitted, phased

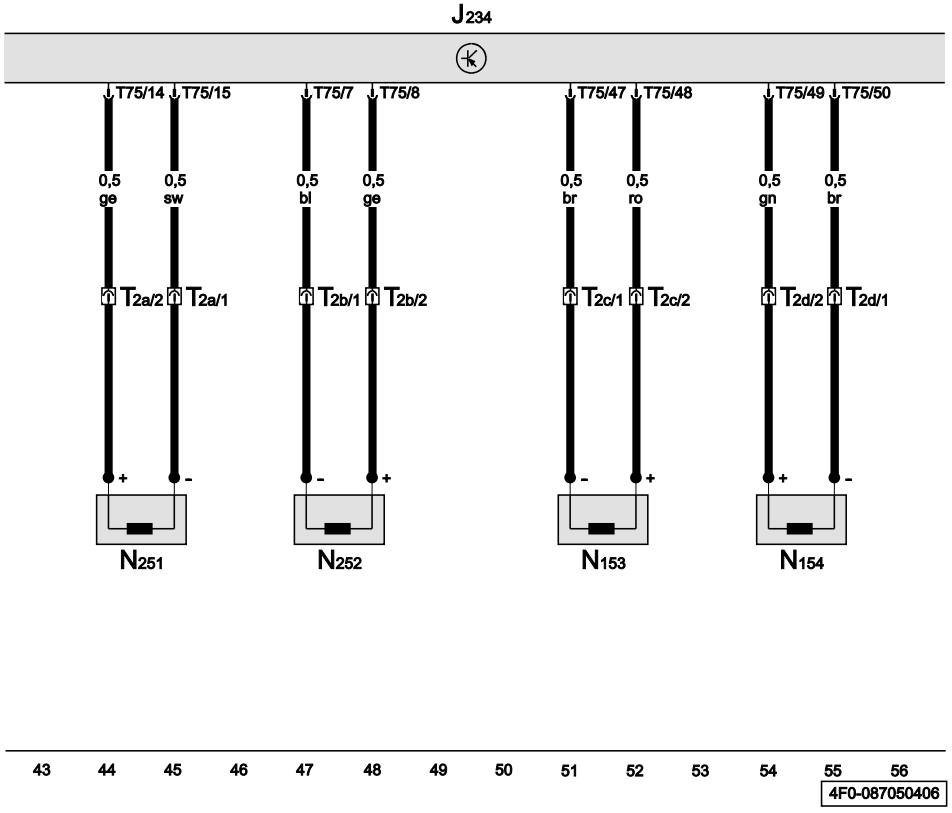
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Airbag control unit, driver and front passenger side seat belt tensioner igniter, driver and front passenger side curtain airbag igniter

J234	Airbag control unit
N153	Driver seat belt tensioner igniter 1
N154	Front passenger side seat belt tensioner igniter 2
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T2a	2-pin connector, yellow, on driver side curtain airbag
T2b	2-pin connector, yellow, on front passenger side curtain airbag
T2c	2-pin connector, purple, left B-pillar
T2d	2-pin connector, purple, right B-pillar
T75	75-pin connector, grey, on airbag control unit

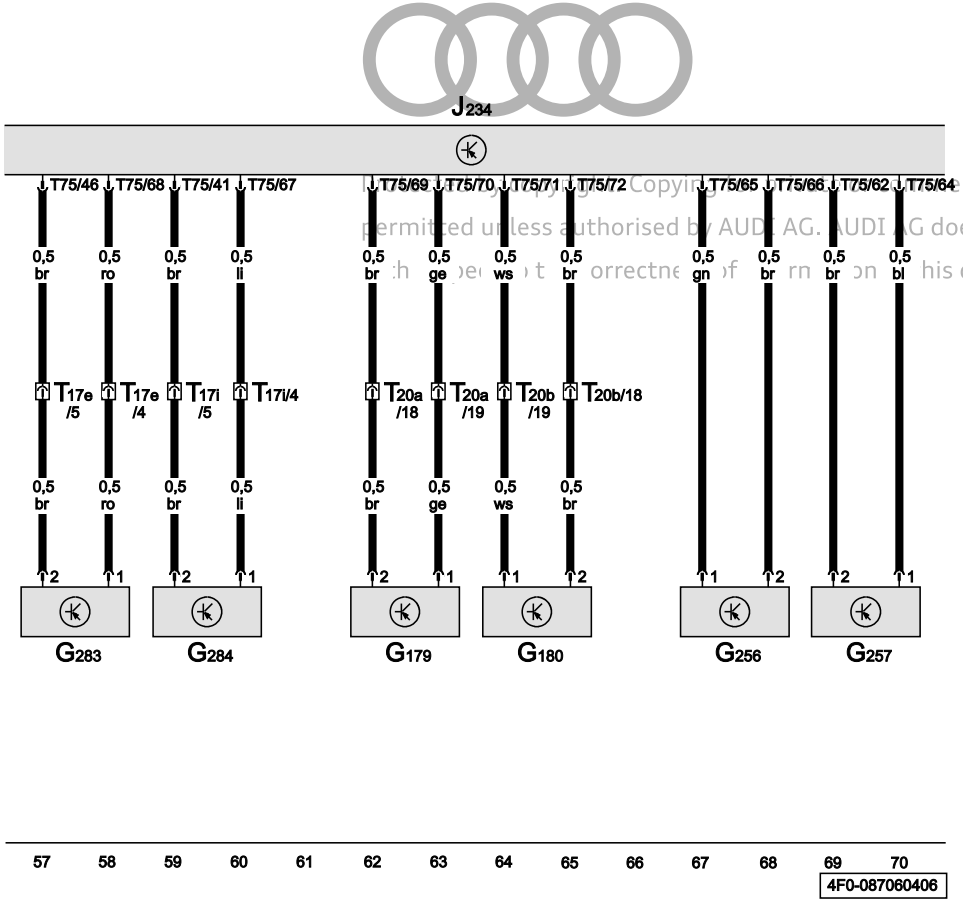
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Airbag control unit, side airbag crash sensor on driver and front passenger side, rear side airbag crash sensor on driver and front passenger side, front airbag crash sensor for driver and front passenger side

G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on front passenger side
G283	Front airbag crash sensor for driver side
G284	Front airbag crash sensor for front passenger side
J234	Airbag control unit
T17e	17-pin connector, red, coupling station on left of A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
T20a	20-pin connector, left A-pillar
T20b	20-pin connector, right A-pillar
T75	75-pin connector, grey, on airbag control unit

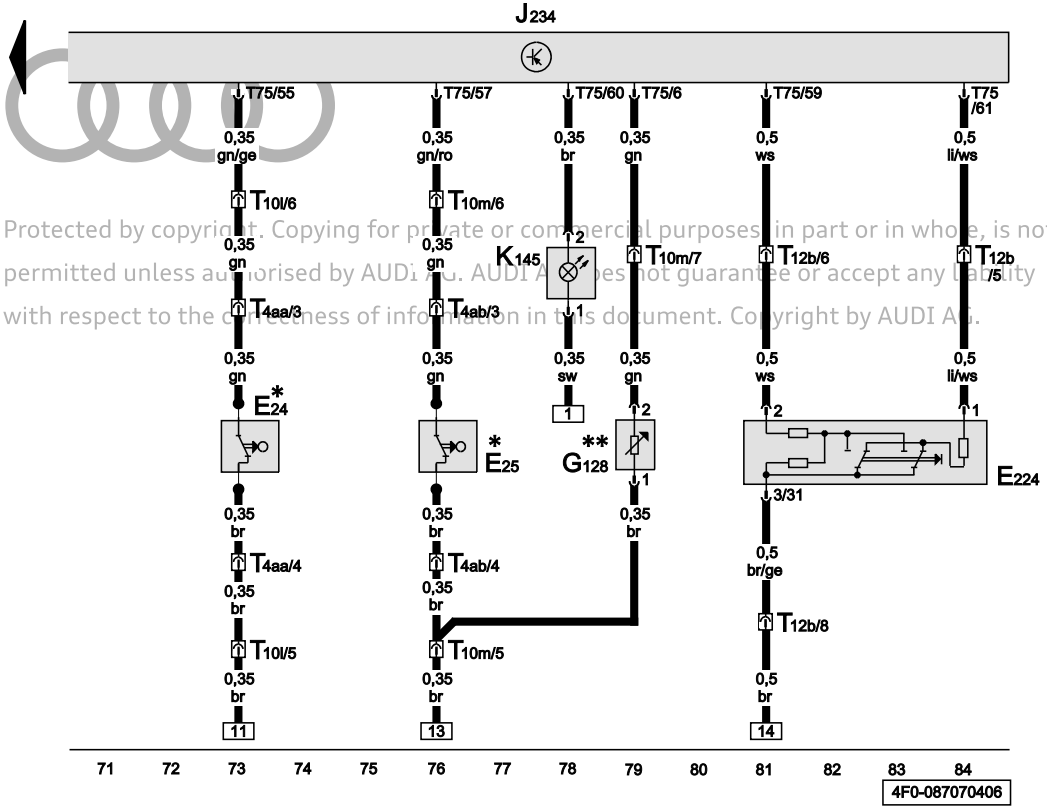


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Airbag control unit, driver and front passenger side belt switch, key operated switch to deactivate front passenger side airbag, front passenger side airbag deactivated warning lamp

E24	Driver side belt switch
E25	Front passenger side belt switch
E224	Key operated switch to deactivate front passenger side airbag
G128	Seat occupied sensor, front passenger side
J234	Airbag control unit
K145	Front passenger side airbag deactivated warning lamp
T4aa	4-pin connector, in driver seat
T4ab	4-pin connector, in front passenger seat
T10l	10-pin connector, black, on left of seat cross member
T10m	10-pin connector, black, on right of seat cross member
T12b	12-pin connector, black, on right behind dash panel
T75	75-pin connector, grey, on airbag control unit
*	models with seat belt warning
**	models with seat occupied sensor, front passenger side



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Airbag (USA)

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

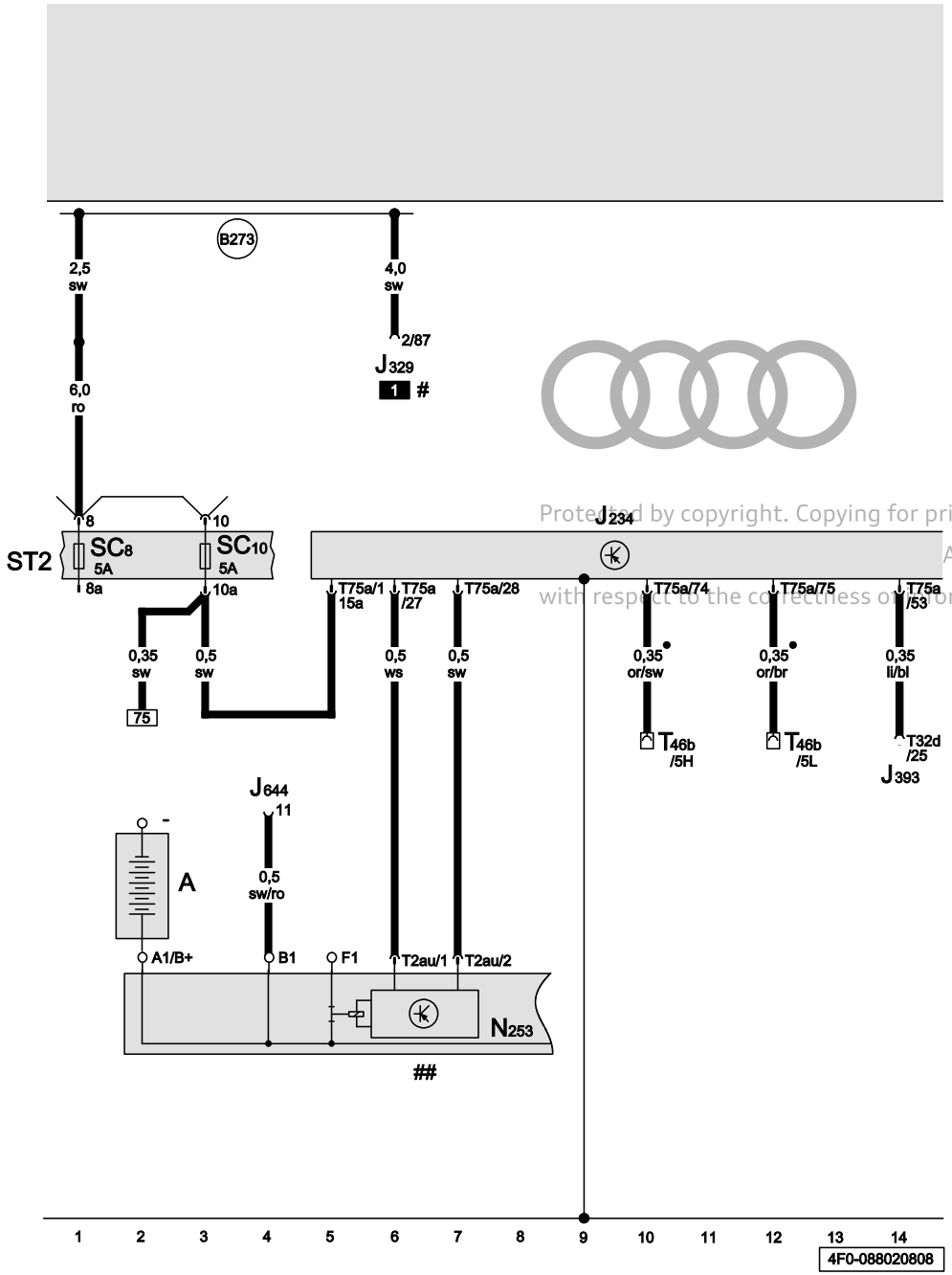
⇒ List of Fitting Locations!

For information concerning

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Airbag control unit, battery isolation igniter

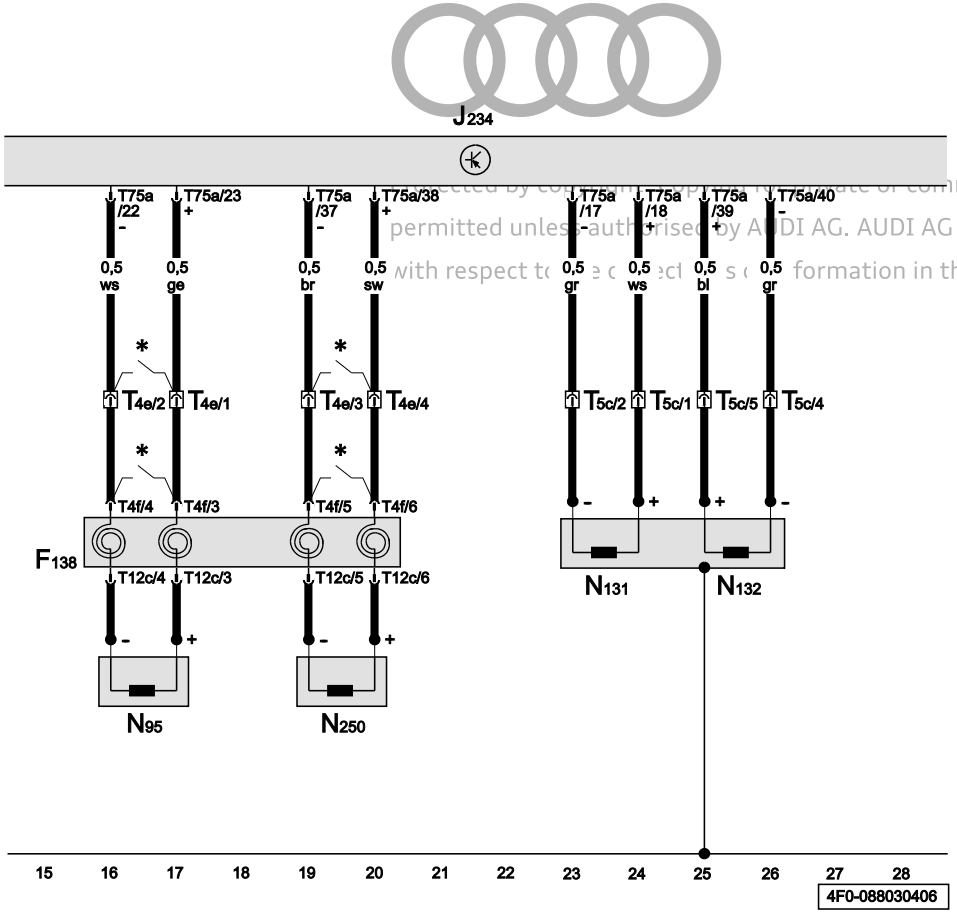
A	Battery
J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
J644	Energy management control unit
N253	Battery isolation igniter
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
T2au	2-pin connector, purple, on battery isolation igniter
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T46b	46-pin connector, CAN disconnector right
T75a	75-pin connector, white, on airbag control unit, S6 USA: blue
B273	Positive connection (15), in main wiring harness
•	CAN bus (data wire)
#	9-point relay carrier, behind driver storage compartment
##	main fuse box, in luggage compartment, rear right, on the battery

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Airbag control unit, driver side airbag igniter, front passenger side airbag igniter

F138	Airbag coil connector and return spring with slip ring
J234	Airbag control unit
N95	Driver side airbag igniter
N131	Front passenger side airbag igniter 1
N132	Front passenger side airbag igniter 2
N250	Driver side airbag igniter 2
T4e	4-pin connector, yellow, behind steering column switch trim (airbag)
T4f	4-pin connector, yellow, behind steering column switch trim (coil connector)
T5c	5-pin connector, yellow, behind the dash panel, right
T12c	12-pin connector, yellow, on steering wheel
T75a	75-pin connector, white, on airbag control unit, S6 USA: blue
*	short circuit bridge becomes effective when connector is unplugged



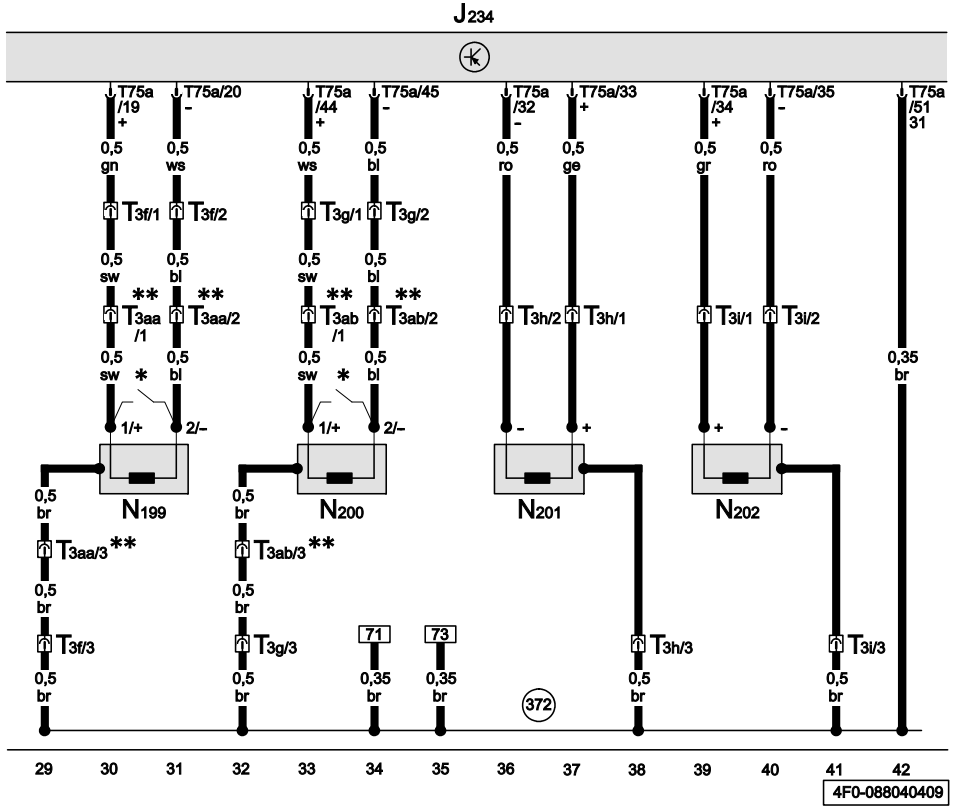
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Airbag control unit, side airbag igniter on driver and front passenger side, rear side airbag igniter on driver and front passenger side

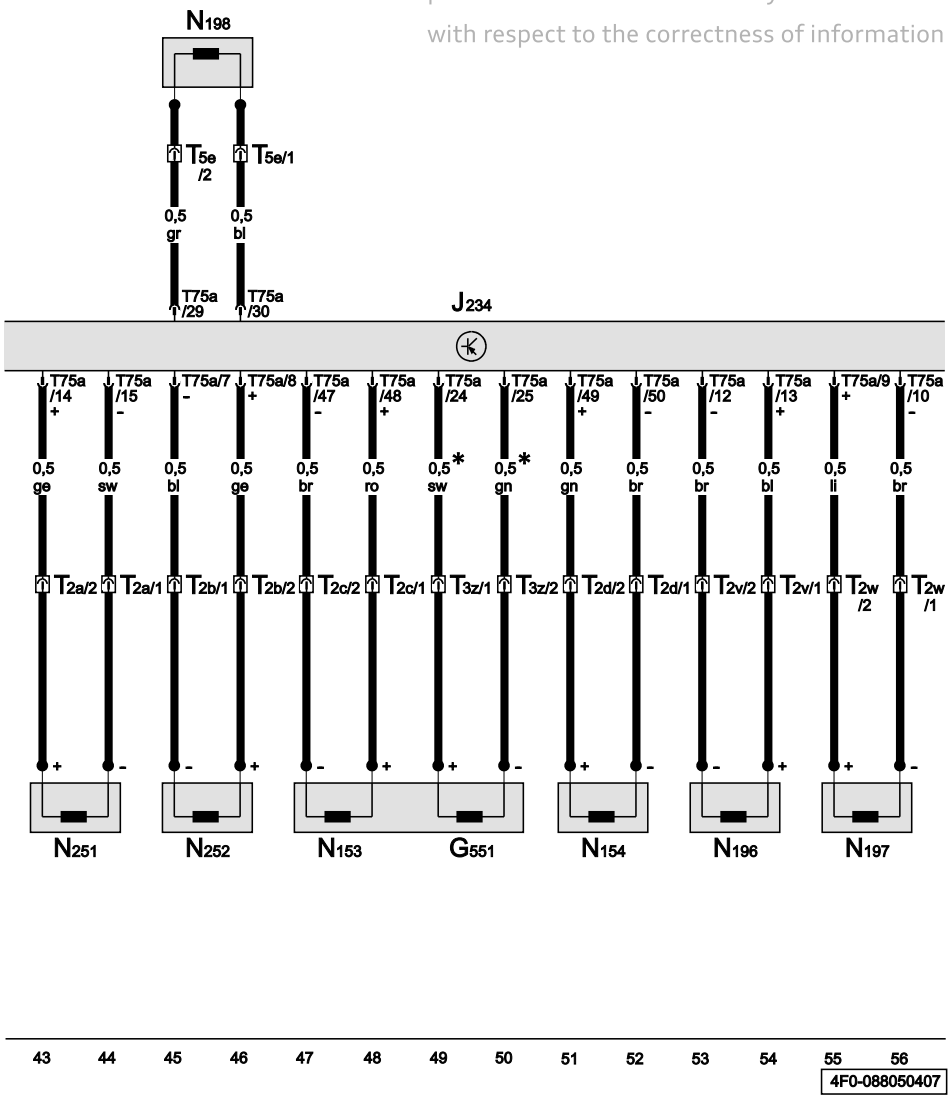
J234	Airbag control unit
N199	Side airbag igniter on driver side
N200	Side airbag igniter on front passenger side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on front passenger side
T3f	3-pin connector, yellow, on left of seat cross member
T3g	3-pin connector, yellow, on right of seat cross member
T3h	3-pin connector, yellow, undern left of rear seat
T3i	3-pin connector, yellow, under right of rear seat
T3aa	3-pin connector, in driver seat
T3ab	3-pin connector, in front passenger seat
T75a	75-pin connector, white, on airbag control unit, S6 USA: blue
372	Earth connection 7, in main wiring harness
*	short circuit bridge becomes effective when connector is unplugged
**	no longer fitted, phased

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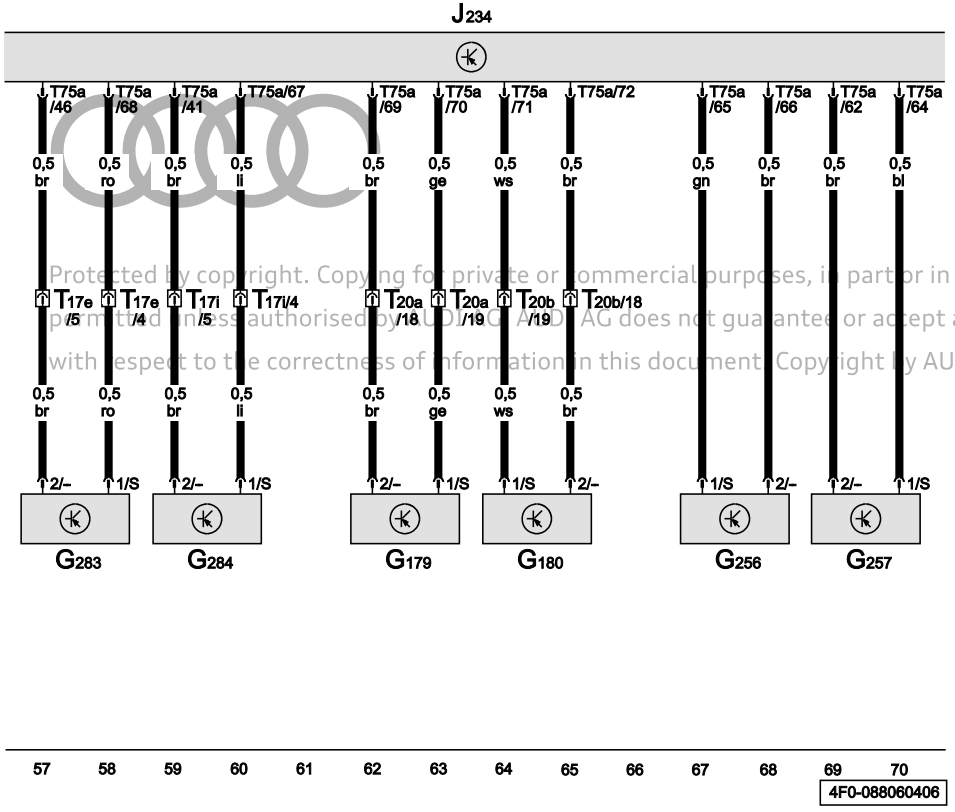
Airbag control unit, driver and front passenger seat belt tensioner igniter, rear belt tensioner igniter, driver and front passenger side curtain airbag igniter, driver side belt force limiter

G551	Driver side belt force limiter
J234	Airbag control unit
N153	Driver seat belt tensioner igniter 1
N154	Front passenger side seat belt tensioner igniter 2
N196	Rear belt tensioner igniter on driver side
N197	Rear belt tensioner igniter on front passenger side
N198	Rear centre belt tensioner igniter
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T2a	2-pin connector, yellow, on driver side curtain airbag
T2b	2-pin connector, yellow, on front passenger side curtain airbag
T2c	2-pin connector, purple, left B-pillar
T2d	2-pin connector, purple, right B-pillar
T2v	2-pin connector, yellow, left C-pillar
T2w	2-pin connector, yellow, right C-pillar
T3z	3-pin connector, orange, left B-pillar
T5e	5-pin connector, yellow, under rear seat
T75a	75-pin connector, white, on airbag control unit, S6 USA: blue
*	only S6 USA

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

Airbag control unit, side airbag crash sensor on driver and front passenger side, rear side airbag crash sensor on driver and front passenger side, front airbag crash sensor for driver and front passenger side

G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on front passenger side
G283	Front airbag crash sensor for driver side
G284	Front airbag crash sensor for front passenger side
J234	Airbag control unit
T17e	17-pin connector, red, coupling station on left of A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
T20a	20-pin connector, left A-pillar
T20b	20-pin connector, right A-pillar
T75a	75-pin connector, white, on airbag control unit, S6 USA: blue

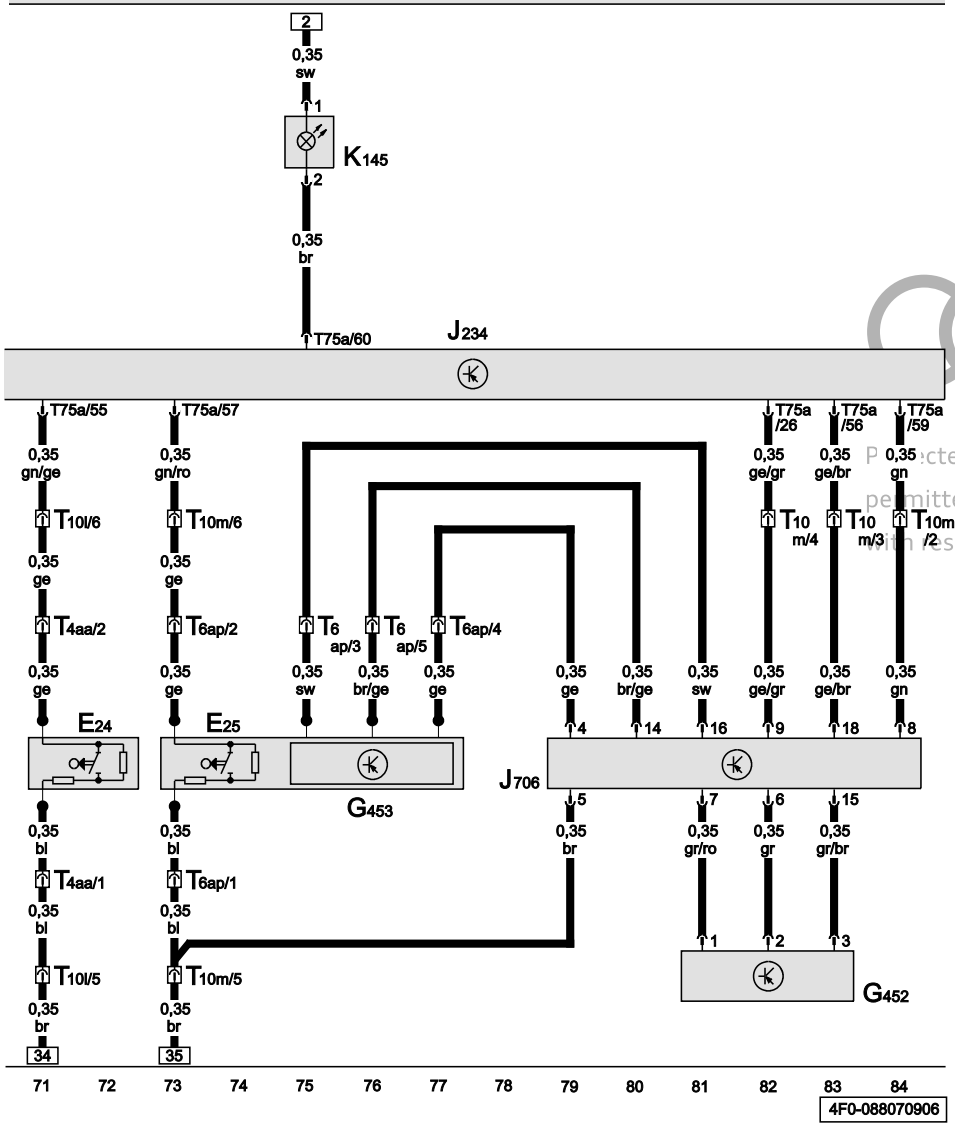


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Airbag control unit, seat occupied recognition control unit, driver side and front passenger side belt switch, front passenger side airbag deactivated warning lamp

E24	Driver side belt switch
E25	Front passenger side belt switch
G452	Pressure sensor for seat occupied recognition
G453	Seat belt force sensor for seat occupied recognition
J234	Airbag control unit
J706	Seat occupied recognition control unit
K145	Front passenger side airbag deactivated warning lamp
T4aa	4-pin connector, in driver seat
T6ap	6-pin connector, in front passenger seat
T10l	10-pin connector, black, on left of seat cross member
T10m	10-pin connector, black, on right of seat cross member
T75a	75-pin connector, white, on airbag control unit, S6 USA: blue



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Electrical sunroof

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

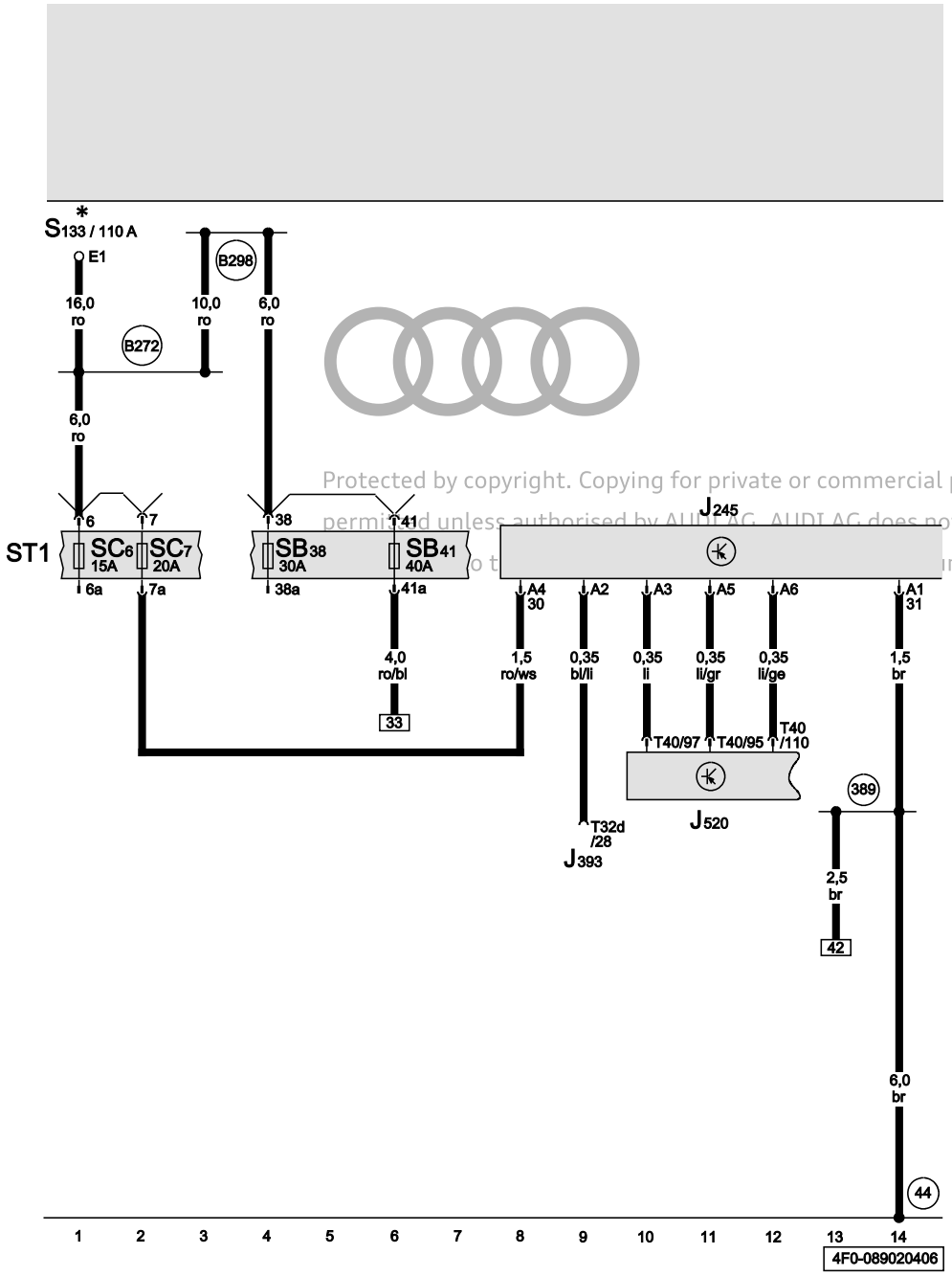
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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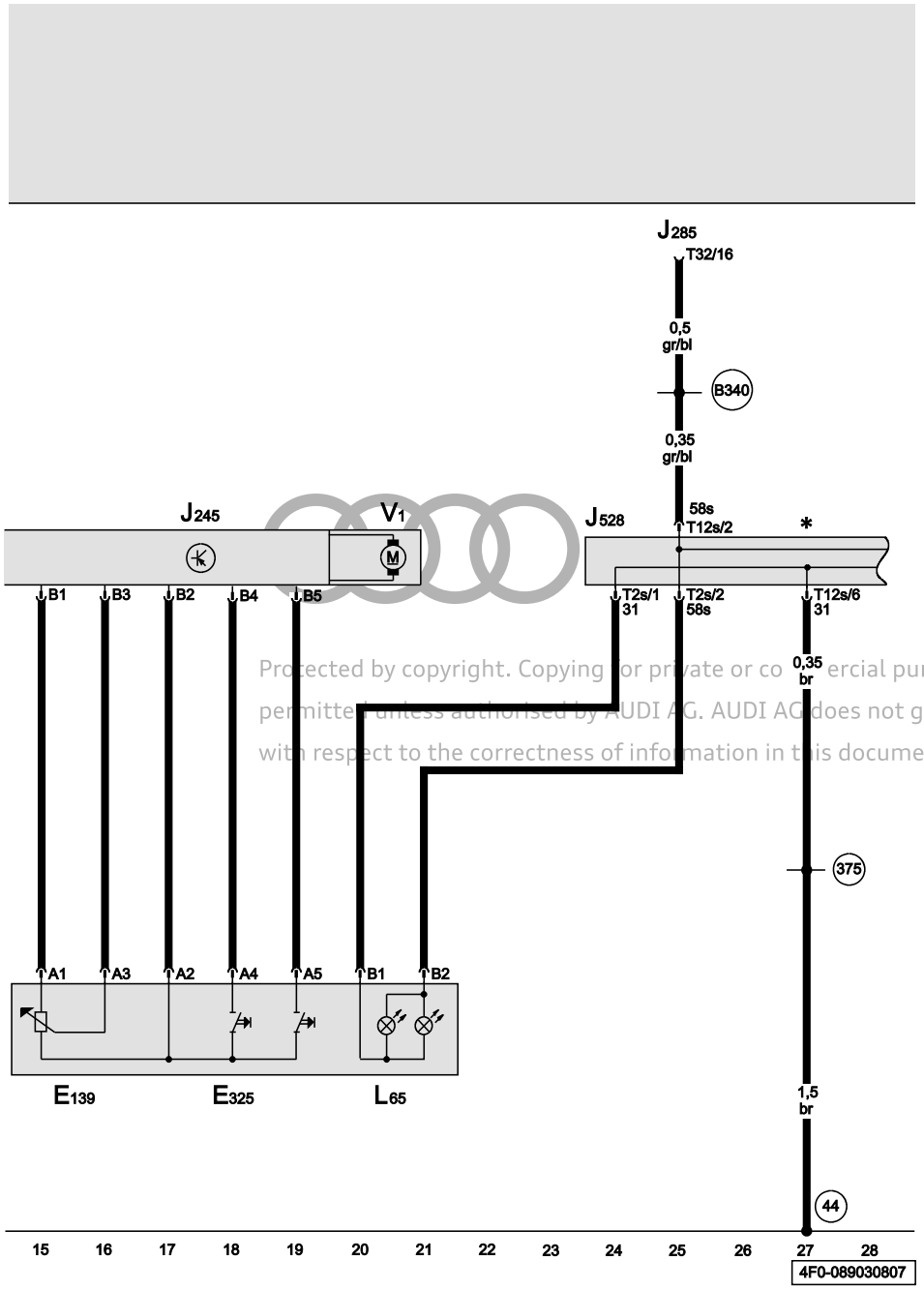
Sliding sunroof adjustment control unit, fuses

J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J520	Onboard supply control unit 2
S133	Fuse 3
SB38	Fuse 38 on fuse holder B
SB41	Fuse 41 on fuse holder B
SC6	Fuse 6 on fuse holder C
SC7	Fuse 7 on fuse holder C
T32d	32-pin connector, white, connector B, on convenience system central control unit
T40	40-pin connector, black, on onboard supply control unit 2
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery

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Sliding sunroof adjustment control unit, sliding sunroof adjustment regulator, sunroof button, sliding sunroof motor

E139	Sliding sunroof adjustment regulator
E325	Sunroof button
J245	Sliding sunroof adjustment control unit
J285	Control unit in dash panel insert
J528	Roof electronics control unit
L65	Sliding sunroof switch illumination bulb
T2s	2-pin connector, connector C, on front roof console
T12s	12-pin connector, black, connector A, on front roof console
T32	32-pin connector, grey, on dash panel insert
V1	Sliding sunroof motor
44	Earth point, lower part of left A-pillar
375	Earth connection 10, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
*	Front roof module



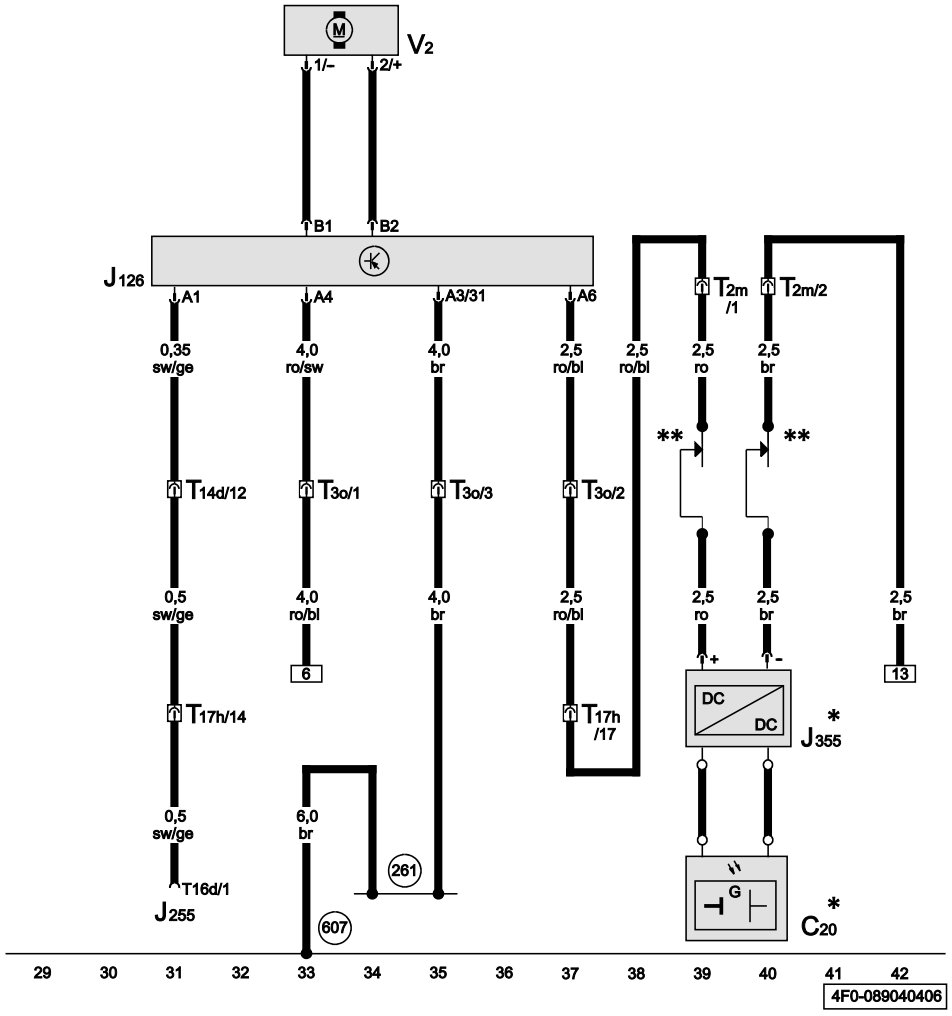
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Fresh air blower control unit, solar operation control unit, solar cells, fresh air blower

C20	Solar cells
J126	Fresh air blower control unit
J255	Climatronic control unit
J355	Solar operation control unit
T2m	2-pin connector, black, on solar roof
T3o	3-pin connector, black, on right in plenum chamber
T14d	14-pin connector, black, on right in plenum chamber
T16d	16-pin connector, brown, connector C, on Climatronic control unit
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
V2	Fresh air blower
261	Earth connection, in heated washer jet wiring harness
607	Earth point, on left in plenum chamber
*	models with solar roof
**	Interconnection contacts on sliding sunroof frame



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Air conditioning system

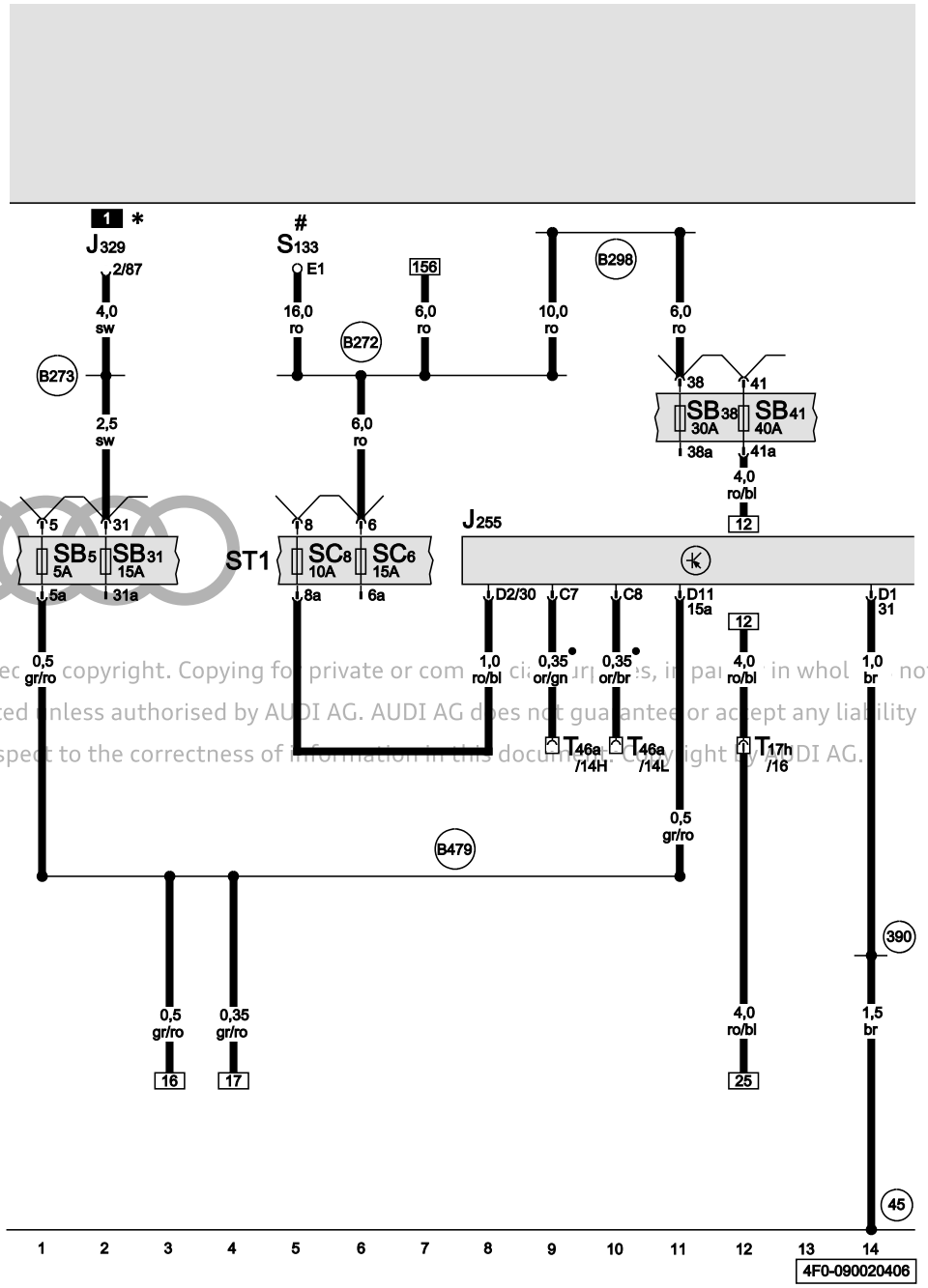
⇒ **Basis**
⇒ **Convenience**
from model year 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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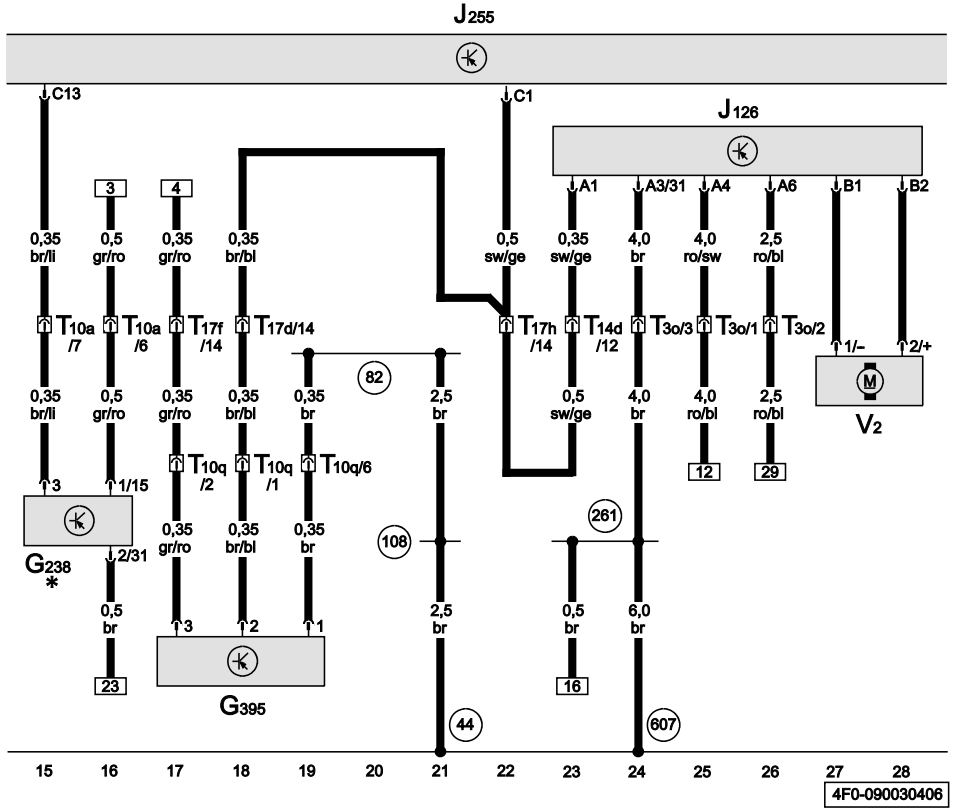
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Climatronic control unit, fuses

J255	Climatronic control unit
J329	Terminal 15 voltage supply relay
S133	Fuse 3
SB5	Fuse 5 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB38	Fuse 38 on fuse holder B
SB41	Fuse 41 on fuse holder B
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN separating connector left
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B479	Connection 15 in main wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
#	main fuse box, in luggage compartment, rear right, on the battery

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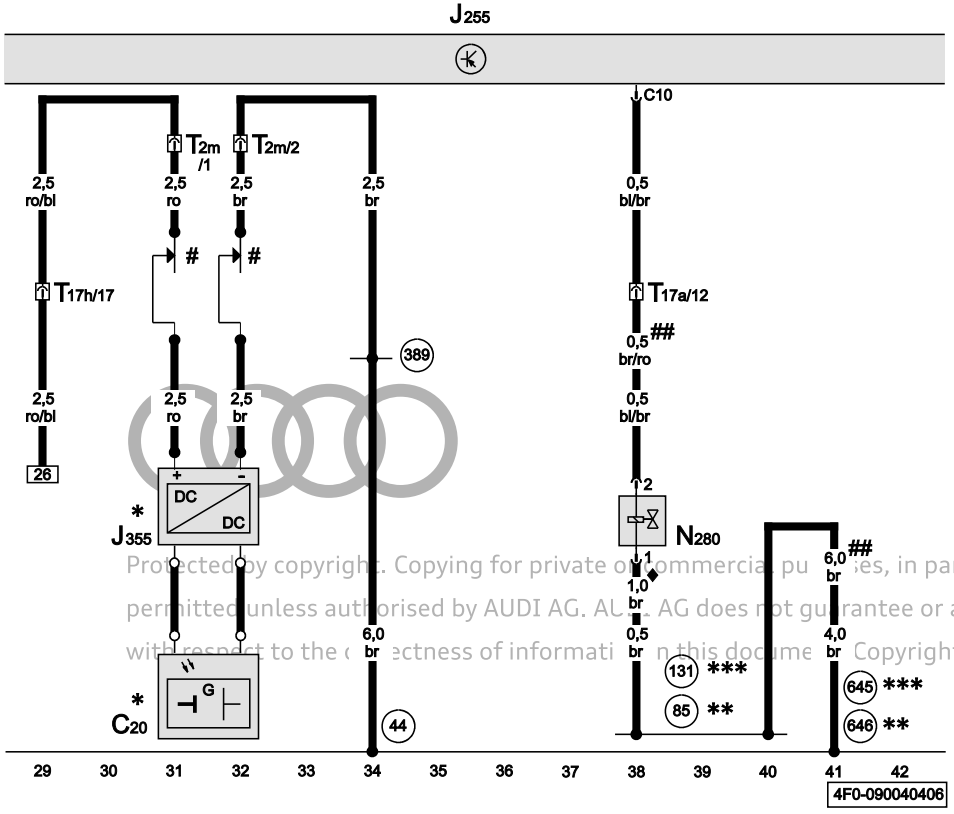


Climatronic control unit, air quality sensor, refrigerant pressure and temperature sender, fresh air blower control unit, fresh air blower

G238	Air quality sensor
G395	Refrigerant pressure and temperature sender
J126	Fresh air blower control unit
J255	Climatronic control unit
T3o	3-pin connector, black, on right in plenum chamber
T10a	10-pin connector, purple, coupling station on left electronics box
T10q	10-pin connector, black, near left headlight
T14d	14-pin connector, black, on right in plenum chamber
T17d	17-pin connector, black, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
V2	Fresh air blower
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
261	Earth connection, in heated washer jet wiring harness
607	Earth point, on left in plenum chamber
*	convenience equipment only

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Climatronic control unit, solar operation control unit, solar cells, air conditioning system compressor regulating valve

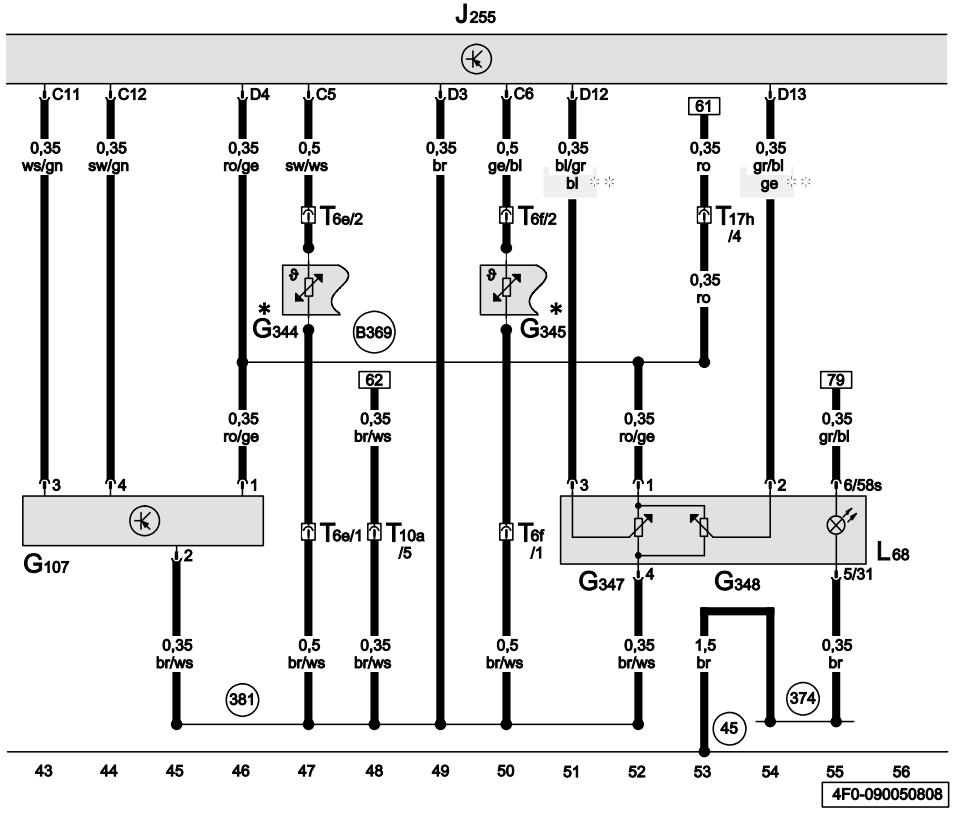


C20	Solar cells
J255	Climatronic control unit
J355	Solar operation control unit
N280	Air conditioning system compressor regulating valve
T2m	2-pin connector, black, on solar roof
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
44	Earth point, lower part of left A-pillar
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
389	Earth connection 24, in main wiring harness
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
*	models with solar roof
**	diesel engines
***	petrol engines
#	Interconnection contacts on sliding sunroof frame
##	5.2 l engine, engine code BGS
♦	4.2 l engine, engine code BVJ

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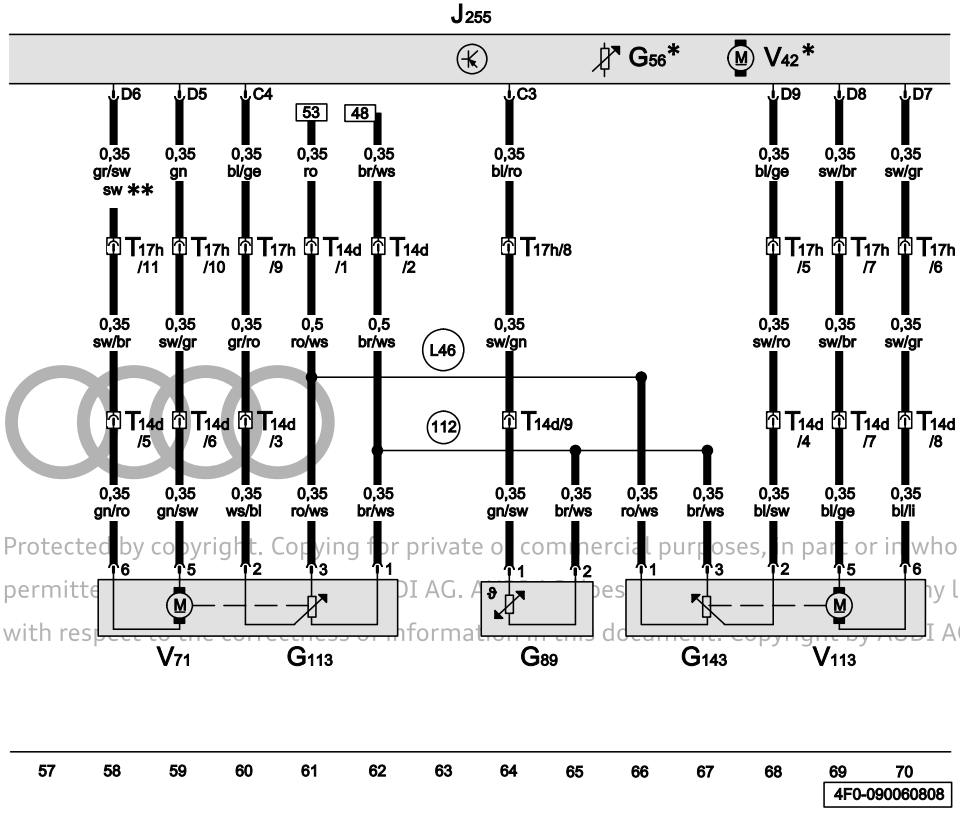
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sw = black
ro = red
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Climatronic control unit, centre left and right vent sensor, front left and right seat temperature sender, sunlight penetration photosensor

G107	Sunlight penetration photosensor
G344	Front left seat temperature sender
G345	Front right seat temperature sender
G347	Centre left vent sensor
G348	Centre right vent sensor
J255	Climatronic control unit
L68	Dash panel central vent illumination bulb
T6e	6-pin connector, green, on left of seat cross member
T6f	6-pin connector, green, on right of seat cross member
T10a	10-pin connector, purple, coupling station on left electronics box
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
B369	Connection 1 (5V), in main wiring harness
*	models with seat heating
**	phased-in modification

Climatronic control unit, air flow flap control motor, air recirculation flap control motor, fresh air intake duct temperature sensor

G56	Dash panel temperature sensor
G89	Fresh air intake duct temperature sensor
G113	Air flow flap control motor potentiometer
G143	Air recirculation flap control motor potentiometer
J255	Climatronic control unit
T10a	10-pin connector, purple, coupling station on left electronics box
T14d	14-pin connector, black, on right in plenum chamber
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
V42	Temperature sensor blower
V71	Air flow flap control motor
V113	Air recirculation flap control motor
112	Earth connection 2, in air conditioning system wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	only with convenience
**	phased-in modification

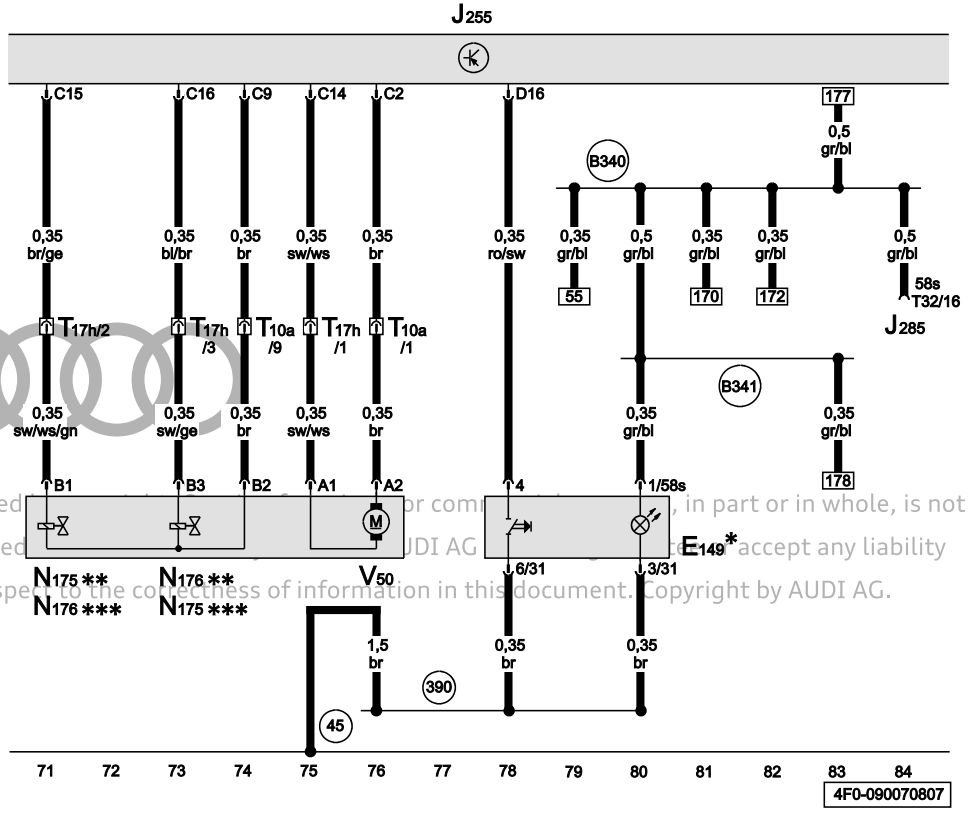


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Climatronic control unit, coolant circulation pump, left and right heat regulation valve, rear roller blind switch

E149	Rear roller blind switch
J255	Climatronic control unit
J285	Control unit in dash panel insert
N175	Left heat regulation valve
N176	Right heat regulation valve
T10a	10-pin connector, purple, coupling station on left electronics box
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
V50	Coolant circulation pump
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	models with rear roller blind
**	left-hand drive
***	right-hand drive

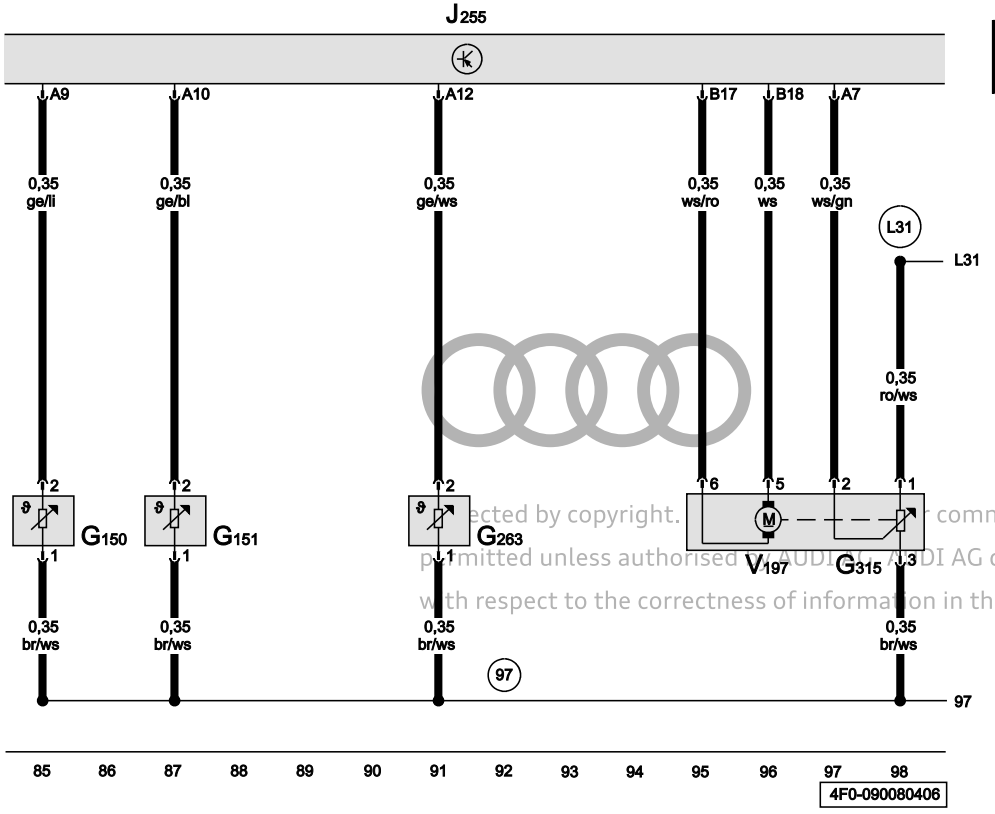


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Climatronic control unit, vent temperature sender, potentiometer for front cold air flap control motor, front cold air flap control motor

G150	Left vent temperature sender
G151	Right vent temperature sender
G263	Evaporator out-flow temperature sender
G315	Potentiometer for front cold air flap control motor
J255	Climatronic control unit
V197	Front cold air flap control motor
97	Earth connection 1, in air conditioning system wiring harness
L31	Connection (5V), in air conditioning system wiring harness



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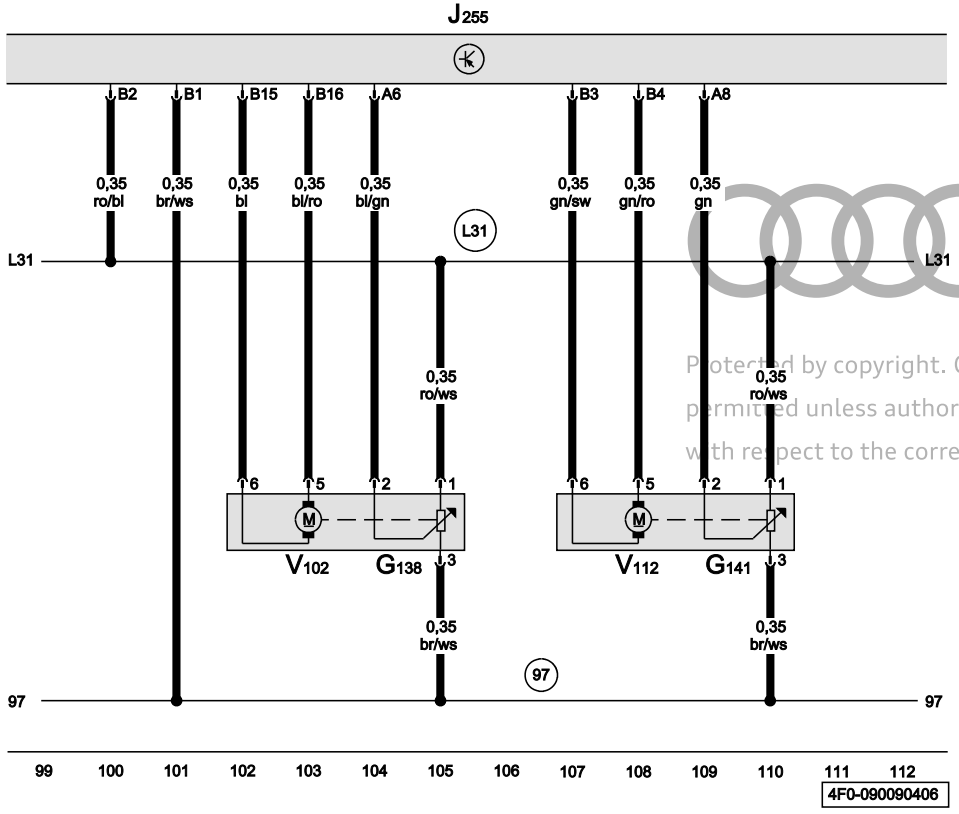
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Climatronic control unit, potentiometer for centre vent control motor, potentiometer for rear footwell vent control motor, central vents control motor, rear footwell vent control motor

G138 Potentiometer for centre vent control motor
G141 Potentiometer for rear footwell vent control motor
J255 Climatronic control unit
V102 Central vents control motor
V112 Rear footwell vent control motor

97 Earth connection 1, in air conditioning system wiring harness

L31 Connection (5V), in air conditioning system wiring harness

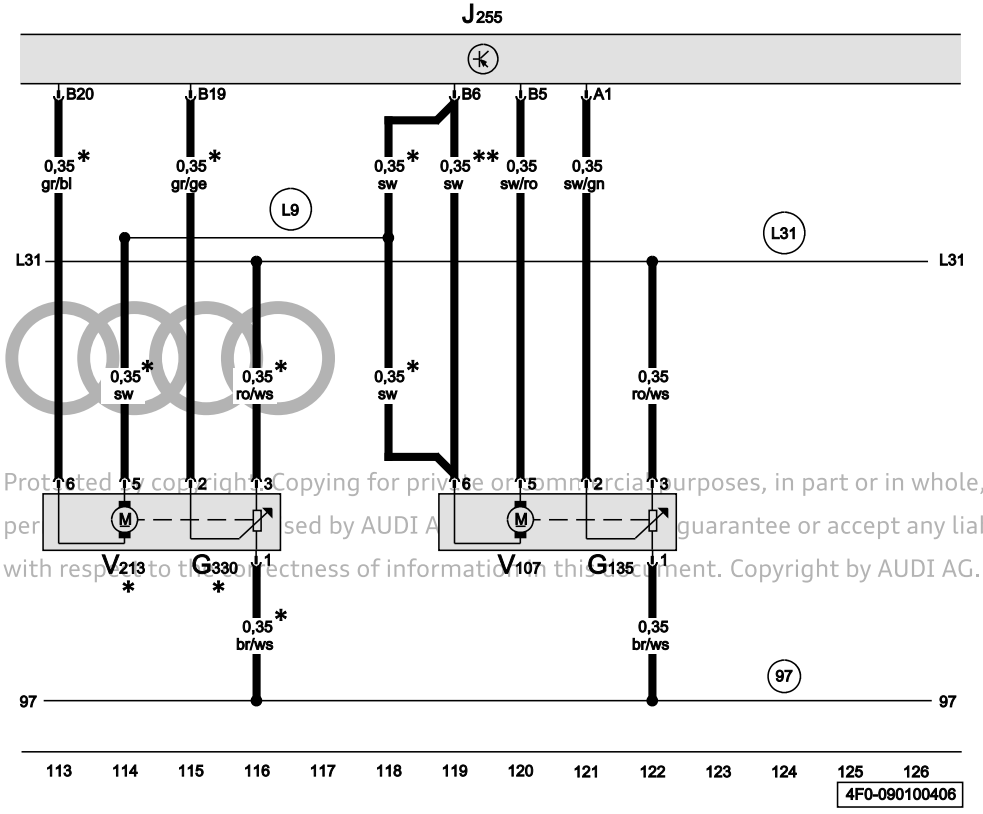


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Climatronic control unit, defroster flap control motor potentiometer, potentiometer for indirect ventilation flap control motor, defroster flap control motor, indirect ventilation flap control motor

G135	Defroster flap control motor potentiometer
G330	Potentiometer for indirect ventilation flap control motor
J255	Climatronic control unit
V107	Defroster flap control motor
V213	Indirect ventilation flap control motor
97	Earth connection 1, in air conditioning system wiring harness
L9	Connection 1, in air conditioning system wiring harness
L31	Connection (5V), in air conditioning system wiring harness
*	convenience equipment only
**	basis equipment only



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Climatronic control unit, potentiometer for left footwell flap control motor, front left chest vent potentiometer, left footwell flap control motor, front left chest vent control motor

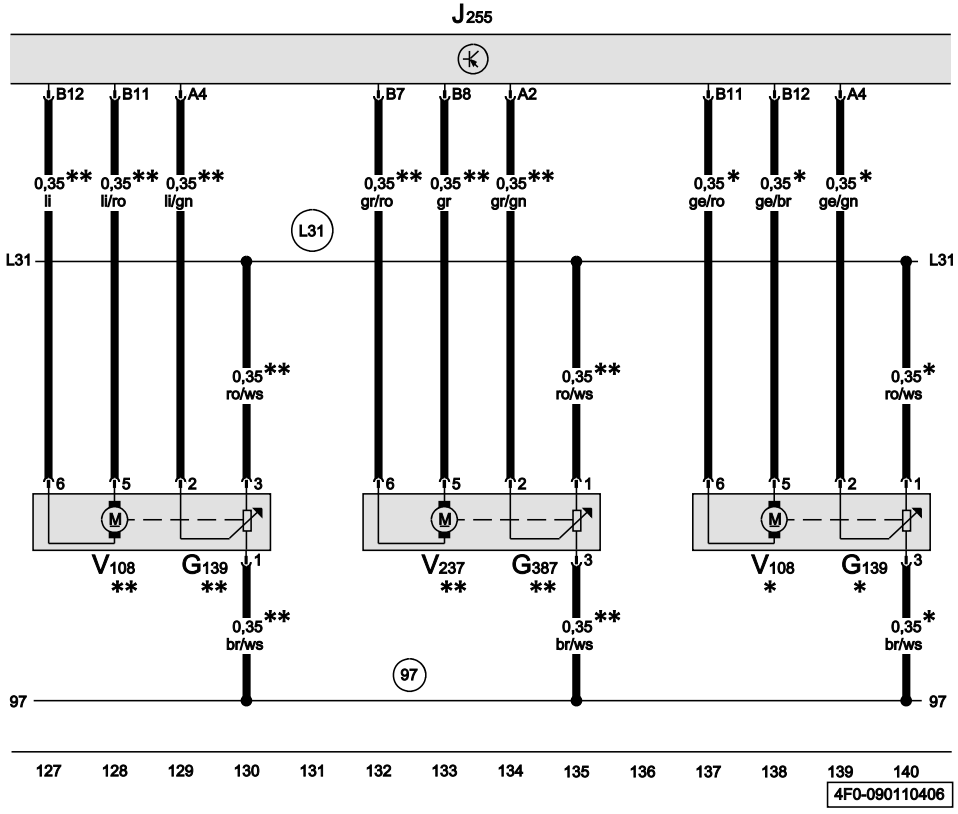
G139 Potentiometer for left footwell flap control motor
G387 Front left chest vent potentiometer
J255 Climatronic control unit
V108 Left footwell flap control motor
V237 Front left chest vent control motor

97 Earth connection 1, in air conditioning system wiring harness

L31 Connection (5V), in air conditioning system wiring harness

* convenience equipment only
** basis equipment only

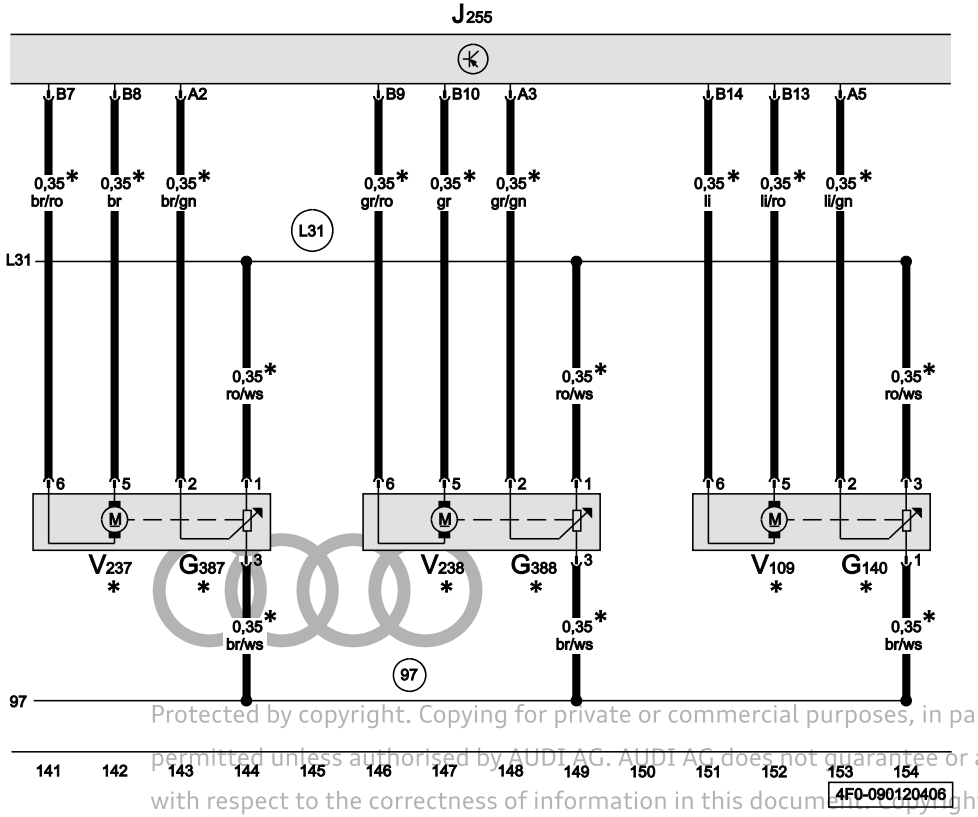
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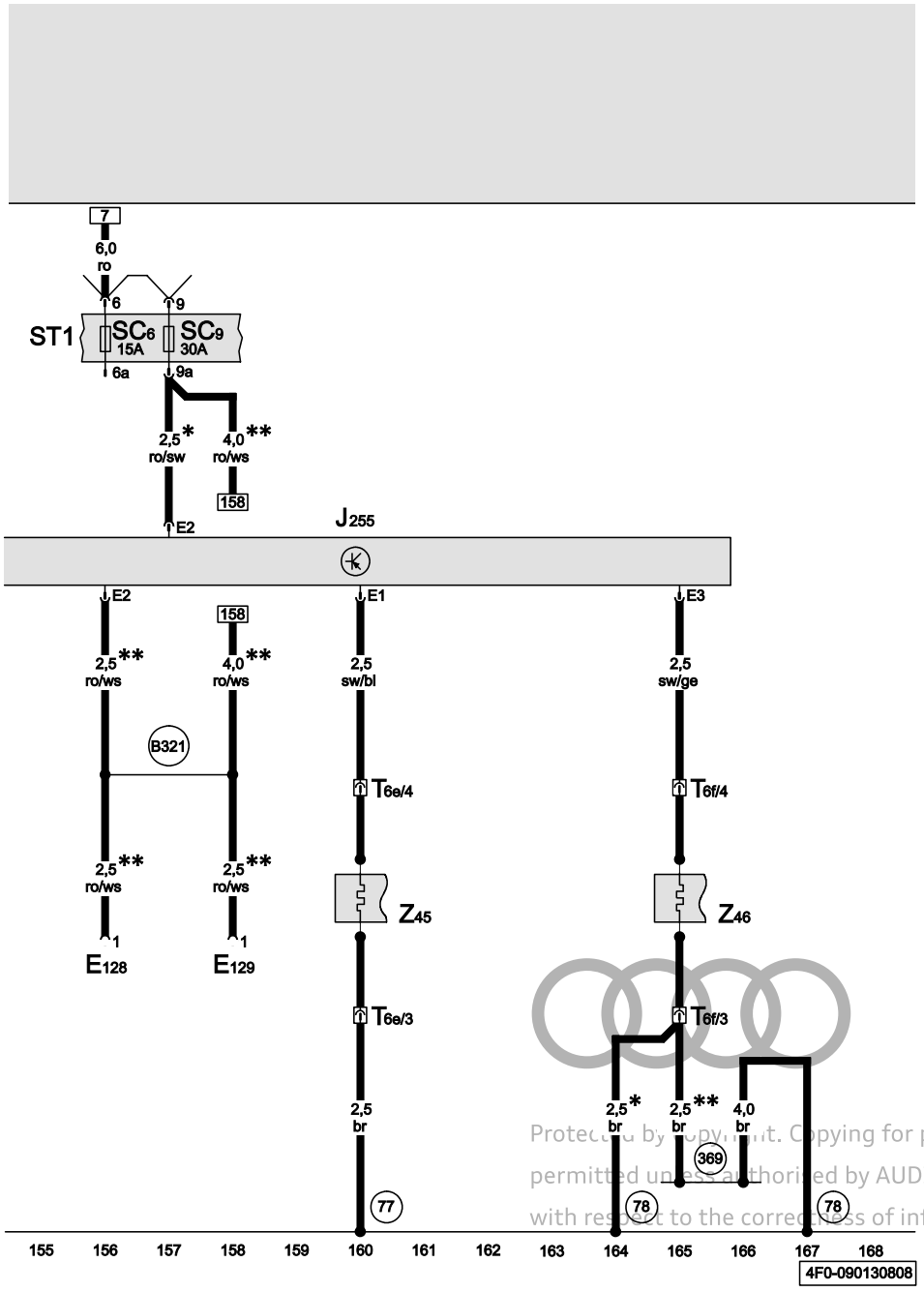
Climatronic control unit, potentiometer for right footwell flap control motor, front left and right chest vent potentiometer, right footwell flap control motor, front left and right chest vent control motor

G140	Potentiometer for right footwell flap control motor
G387	Front left chest vent potentiometer
G388	Front right chest vent potentiometer
J255	Climatronic control unit
V109	Right footwell flap control motor
V237	Front left chest vent control motor
V238	Front right chest vent control motor
97	Earth connection 1, in air conditioning system wiring harness
L31	Connection (5V), in air conditioning system wiring harness
*	convenience equipment only



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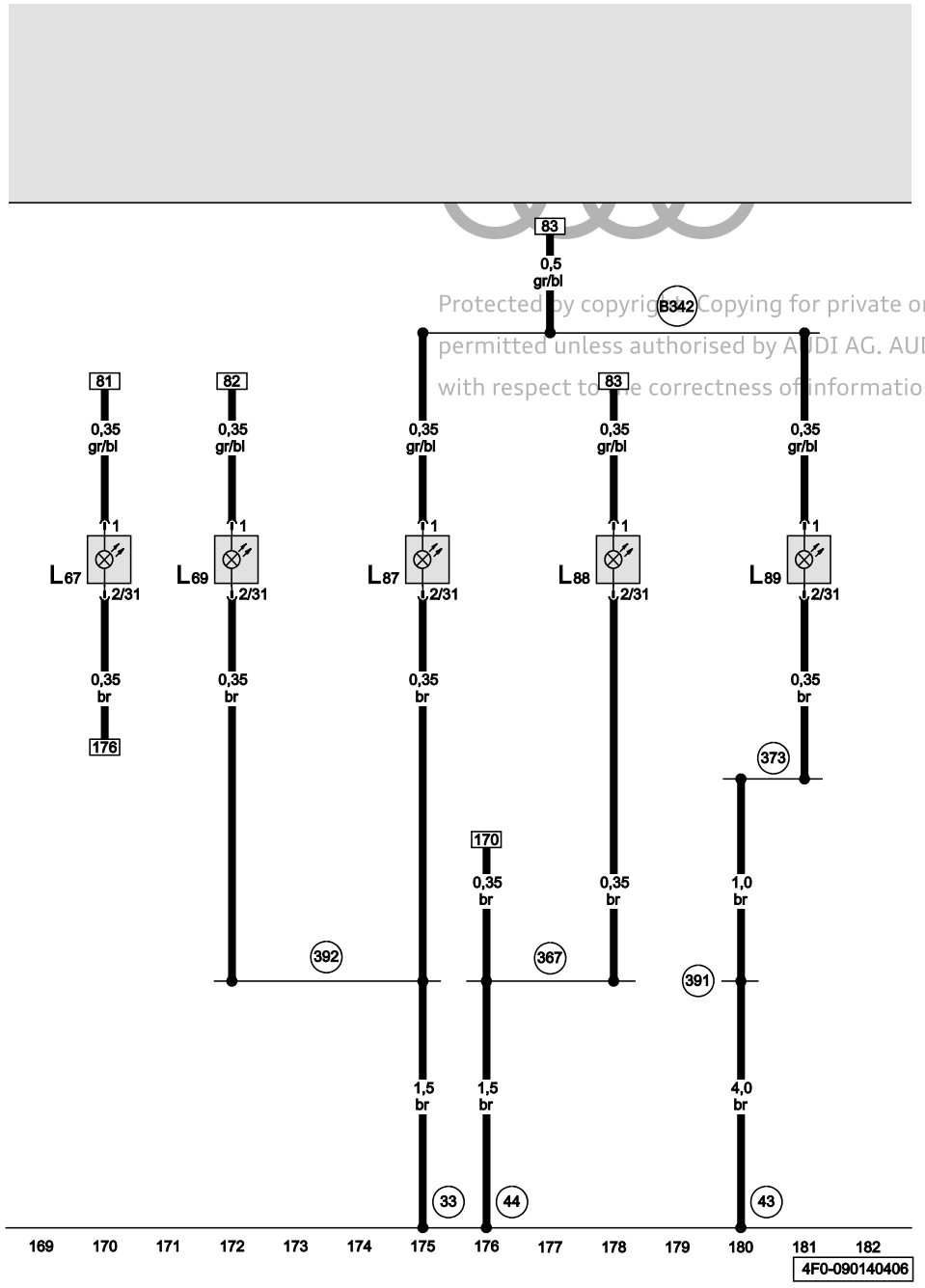
Climatronic control unit, heated rear left and right seat switch with regulator, front left and right seat heating

E128	Heated rear left seat switch with regulator
E129	Heated rear right seat switch with regulator
J255	Climatronic control unit
SC6	Fuse 6 on fuse holder C
SC9	Fuse 9 on fuse holder C
T6e	6-pin connector, green, on left of seat cross member
T6f	6-pin connector, green, on right of seat cross member
Z45	Front left seat heating
Z46	Front right seat heating
77	Earth point, lower part of left B-pillar
78	Earth point, lower part of right B-pillar
369	Earth connection 4, in main wiring harness
B321	Positive connection 7 (30a), in main wiring harness
*	heated front seats
**	heated front and rear seats

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

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Dash panel left and right vent illumination bulb, central rear vent illumination bulb



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L67 Dash panel left vent illumination bulb
L69 Dash panel right vent illumination bulb
L87 Central rear vent illumination bulb
L88 Rear left vent illumination bulb
L89 Rear right vent illumination bulb

33 Earth point, on right behind dash panel

43 Earth point, lower part of right A-pillar

44 Earth point, lower part of left A-pillar

367 Earth connection 2, in main wiring harness

373 Earth connection 8, in main wiring harness

391 Earth connection 26, in main wiring harness

392 Earth connection 27, in main wiring harness

B342 Connection 3 (58s), in main wiring harness

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

Electrical rear roller blind

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

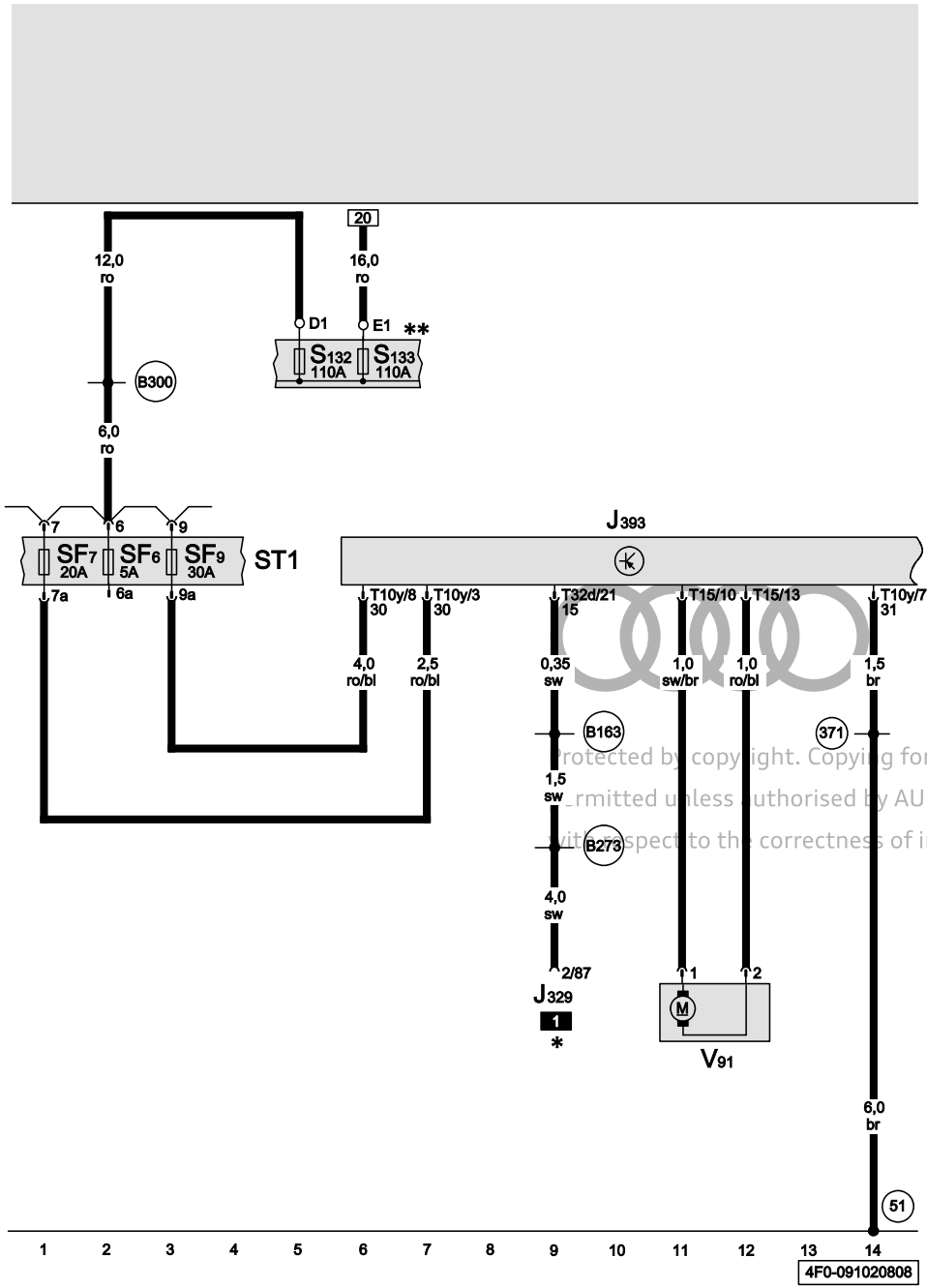
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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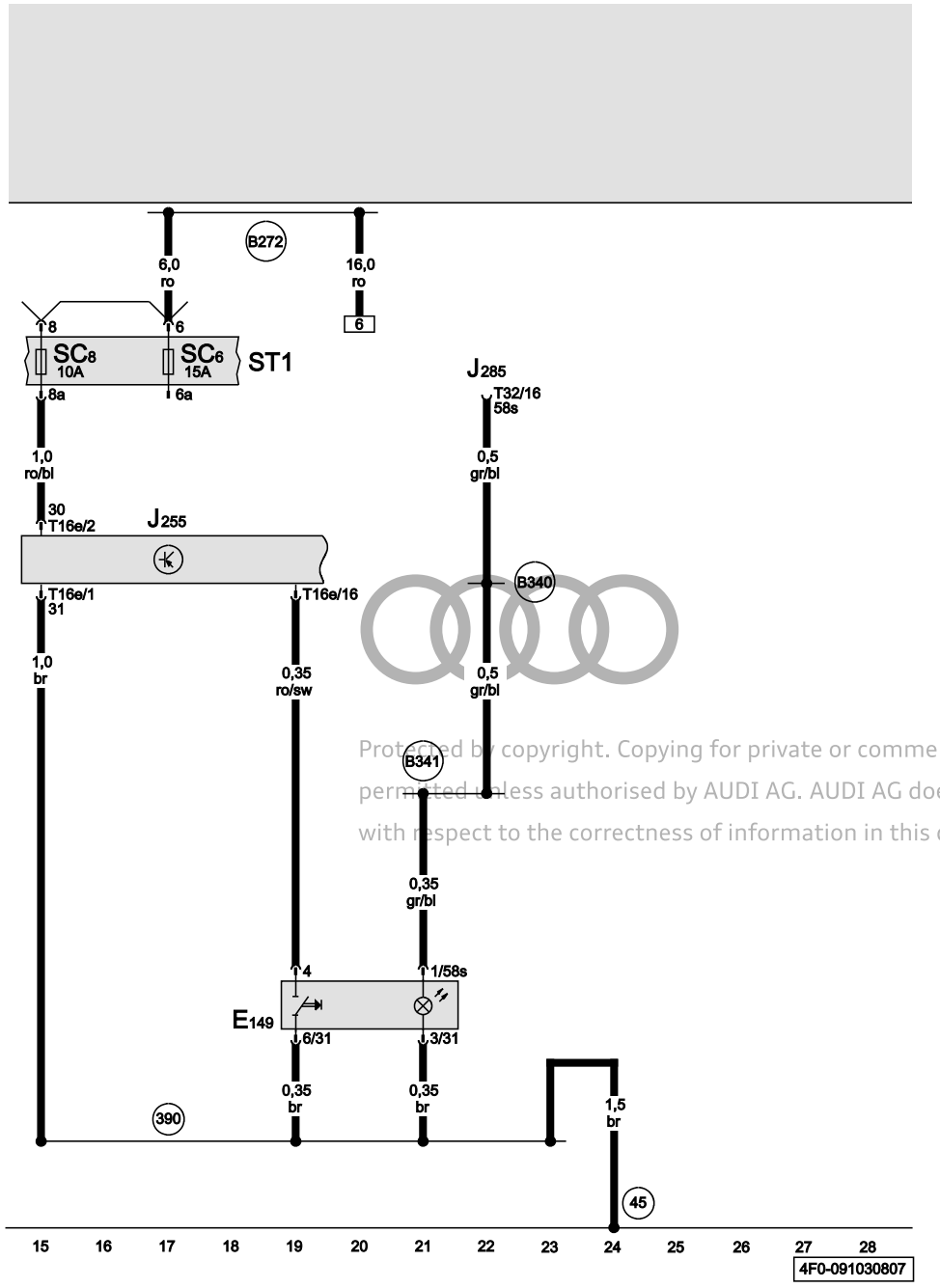


Convenience system central control unit, rear roller blind motor

J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
SF9	Fuse 9 on fuse holder F
T10y	10-pin connector, black, connector C, on convenience system control unit
T15	15-pin connector, brown, connector A, on convenience system central control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V91	Rear roller blind motor
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
*	9-point relay carrier, behind driver storage compartment
**	main fuse box, in luggage compartment, rear right, on the battery

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Rear roller blind switch

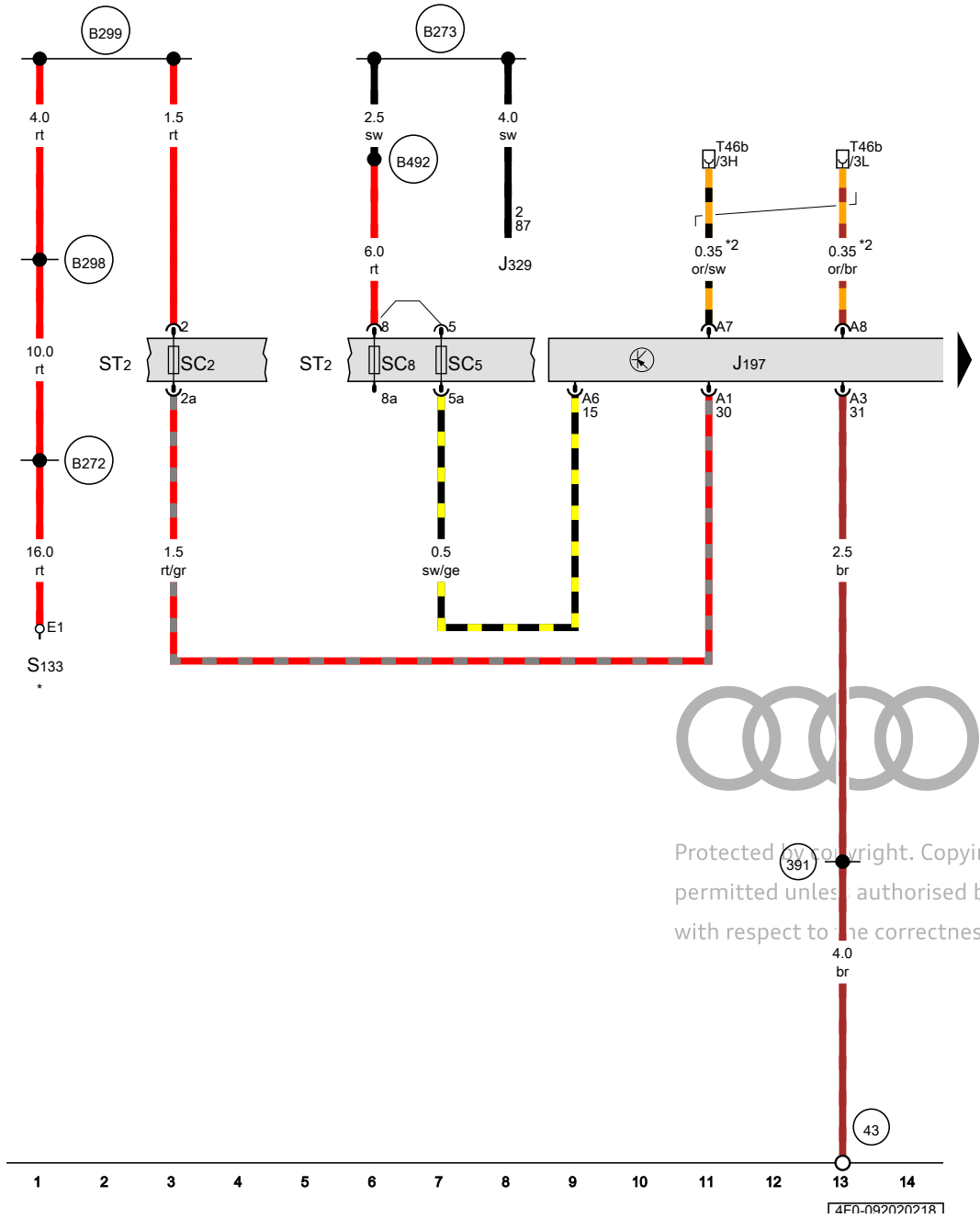
E149	Rear roller blind switch
J255	Climatronic control unit
J285	Control unit in dash panel insert
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
T16e	16-pin connector, black, connector D, on Climatronic control unit
T32	32-pin connector, grey, on dash panel insert
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B272	Positive connection (30), in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness

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Adaptive suspension

From May 2006

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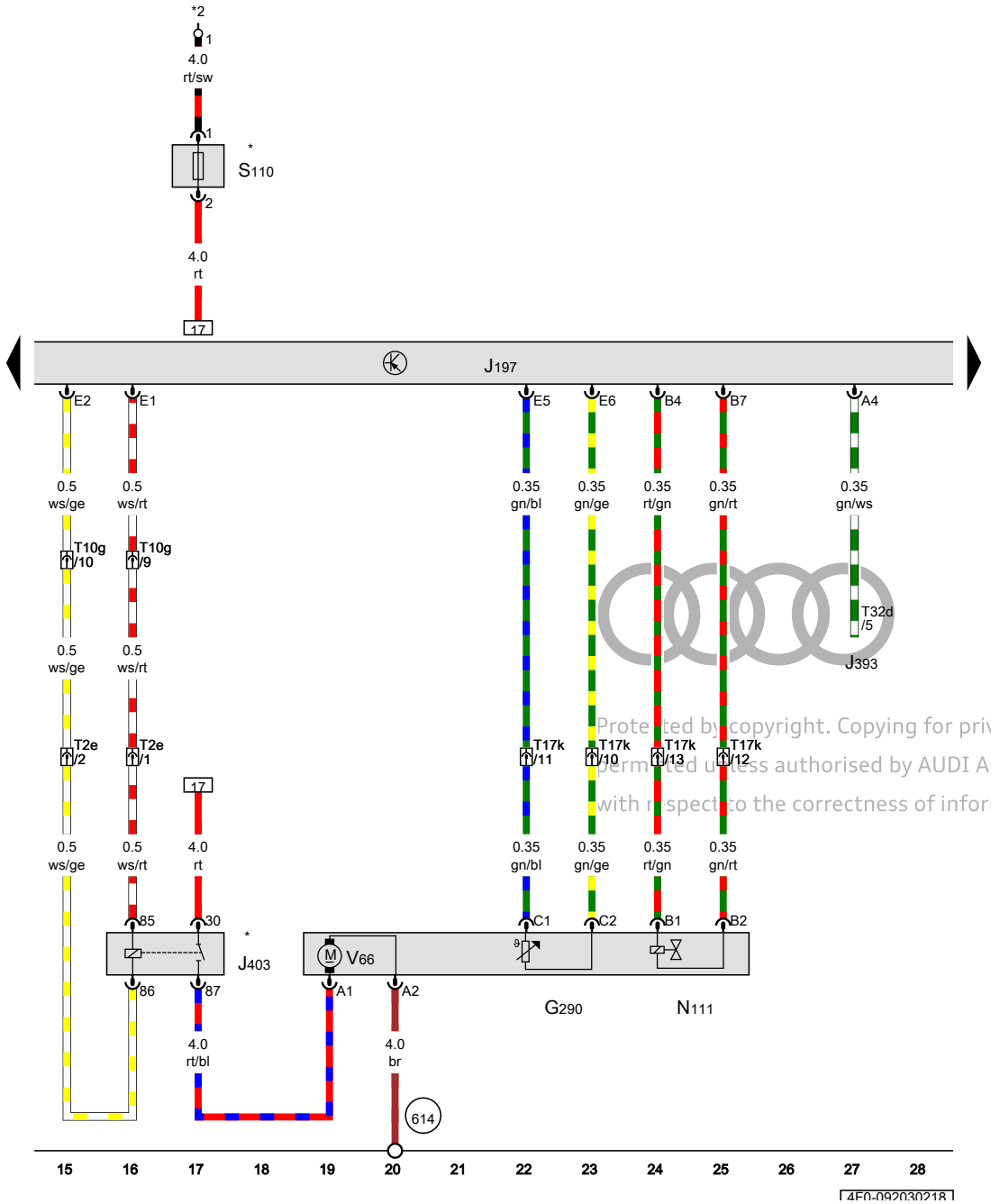


Adaptive suspension control unit, Fuse carrier 2

J197	Adaptive suspension control unit
J329	Terminal 15 voltage supply relay, behind shelf on driver side
SC2	Fuse 2 on fuse holder C
ST2	Fuse carrier 2
SC5	Fuse 5 on fuse holder C
SC8	Fuse 8 on fuse holder C
S133	Fuse 3
T46b	46-pin connector
43	Earth point, lower part of right A-pillar
391	Earth connection 26, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	Main fuse box, on battery on rear right in luggage compartment
*2	Data bus wire (CAN bus)

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Compressor temperature sender for adaptive suspension, Adaptive suspension control unit, Adaptive suspension compressor relay, Adaptive suspension compressor motor

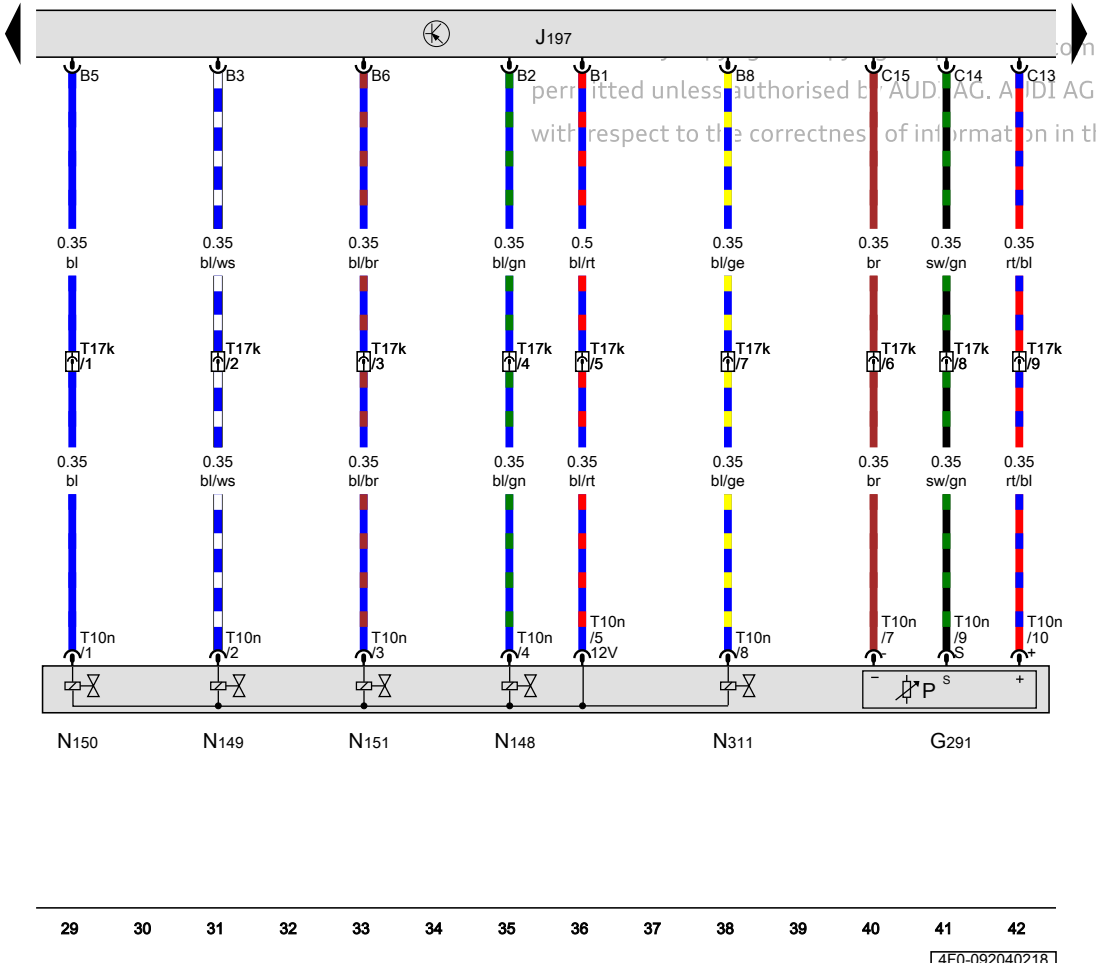
G290	Compressor temperature sender for adaptive suspension
J197	Adaptive suspension control unit
J393	Convenience system central control unit
J403	Adaptive suspension compressor relay
N111	Adaptive suspension drain valve
S110	Levelling system fuse
T2e	2-pin connector, front right in engine compartment, on solenoid valve block
T10g	10-pin connector, in right A-pillar coupling station
T17k	17-pin connector, in right A-pillar coupling station
T32d	32-pin connector
V66	Adaptive suspension compressor motor
614	Earth point 2, on right in engine compartment
*	Relay and fuse carrier, in E-box in plenum chamber
*2	Main fuse carrier, in E-box on right of plenum chamber

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Pressure sender for adaptive suspension, Adaptive suspension control unit, Front left suspension strut valve, Rear left suspension strut valve

G291	Pressure sender for adaptive suspension
J197	Adaptive suspension control unit
N148	Front left suspension strut valve
N149	Front right suspension strut valve
N150	Rear left suspension strut valve
N151	Rear right suspension strut valve
N311	Adaptive suspension pressure accumulator valve
T10n	10-pin connector
T17k	17-pin connector, in right A-pillar coupling station

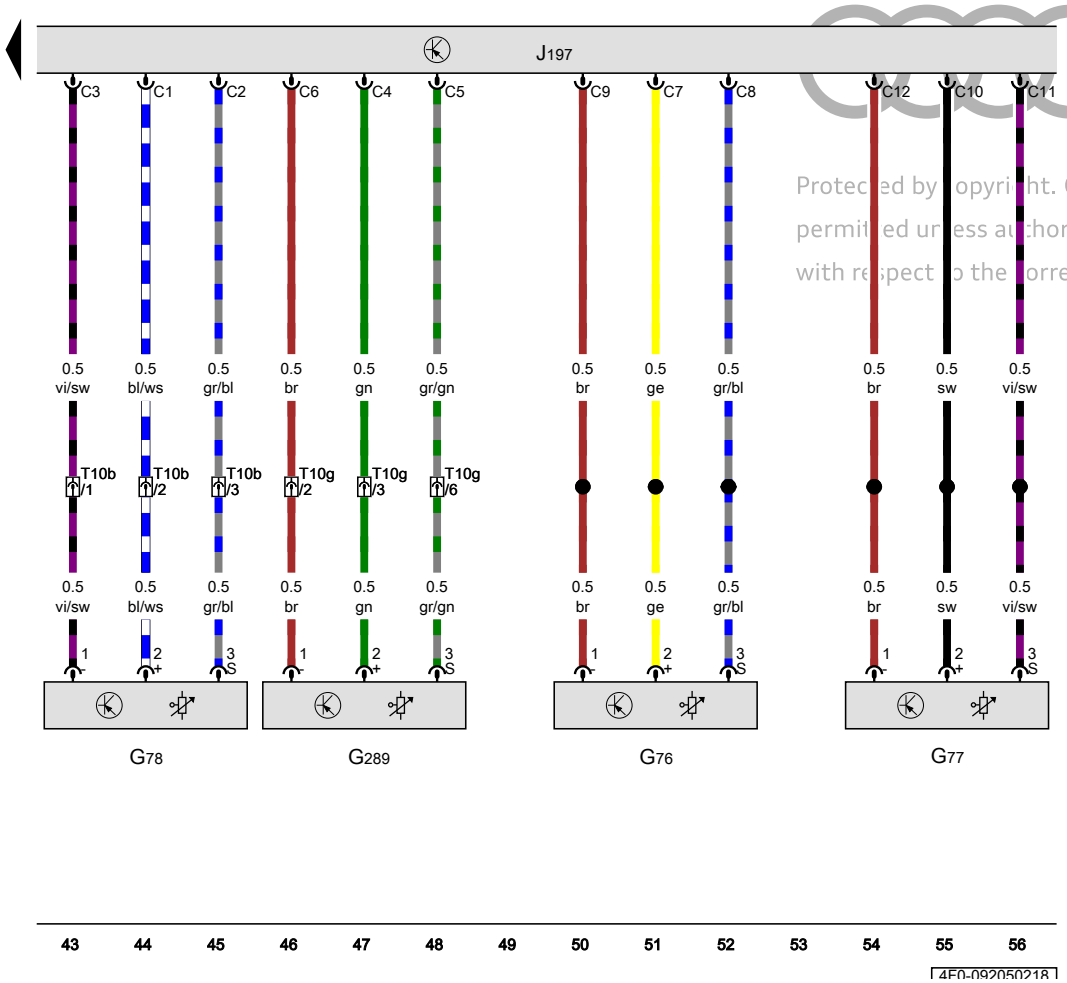


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Rear left vehicle level sender, Front left vehicle level sender, Adaptive suspension control unit

G76	Rear left vehicle level sender
G77	Rear right vehicle level sender
G78	Front left vehicle level sender
G289	Front right vehicle level sender
J197	Adaptive suspension control unit
T10b	10-pin connector, in left A-pillar coupling station
T10g	10-pin connector, in right A-pillar coupling station

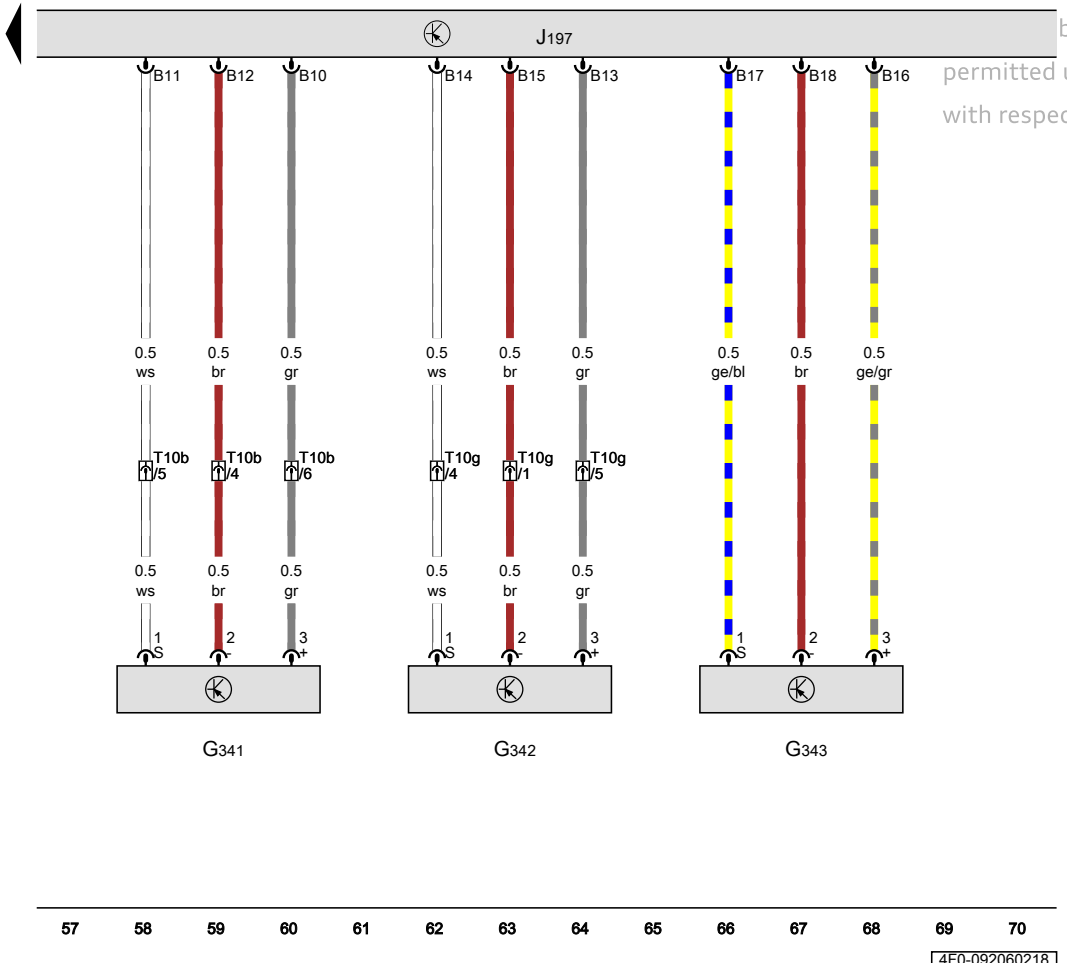


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Front left body acceleration sender, Front right body acceleration sender, Rear body acceleration sender, Adaptive suspension control unit

G341	Front left body acceleration sender
G342	Front right body acceleration sender
G343	Rear body acceleration sender
J197	Adaptive suspension control unit
T10b	10-pin connector, in left A-pillar coupling station
T10g	10-pin connector, in right A-pillar coupling station

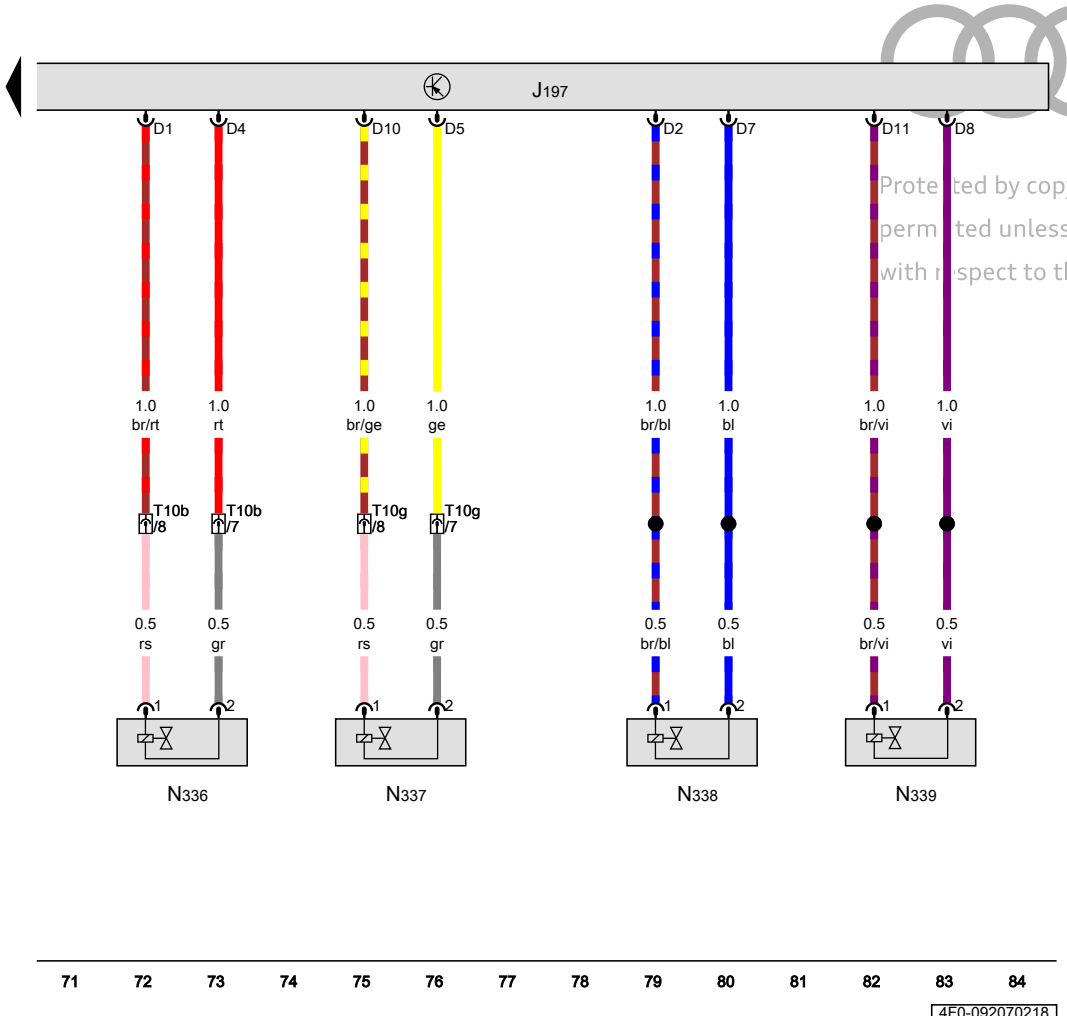


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Adaptive suspension control unit, Front left shock absorber damping adjustment valve, Rear left shock absorber damping adjustment valve

J197	Adaptive suspension control unit
N336	Front left shock absorber damping adjustment valve
N337	Front right shock absorber damping adjustment valve
N338	Rear left shock absorber damping adjustment valve
N339	Rear right shock absorber damping adjustment valve
T10b	10-pin connector, in left A-pillar coupling station
T10g	10-pin connector, in right A-pillar coupling station



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Auxiliary heater

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

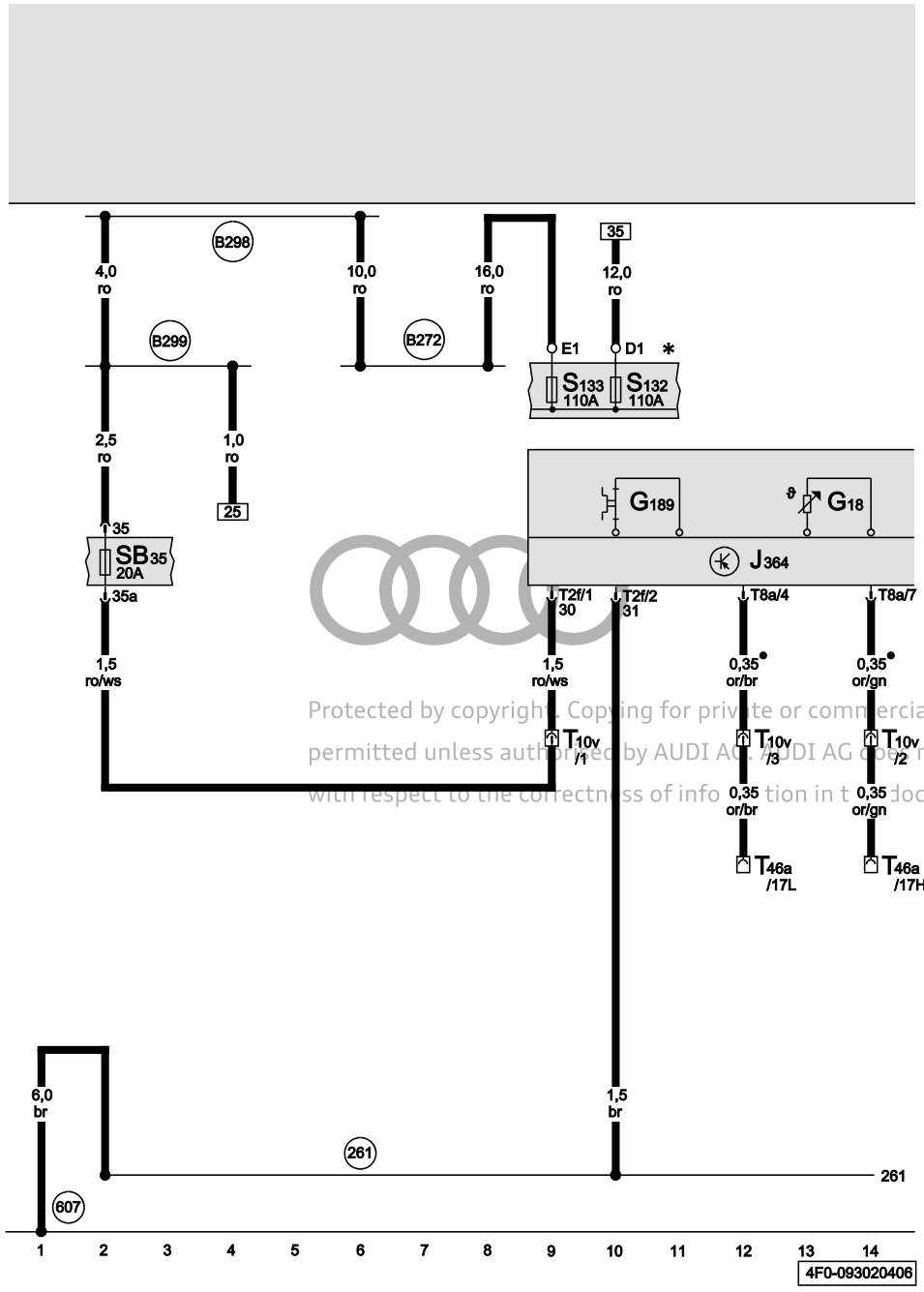
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Auxiliary heater control unit, fuses

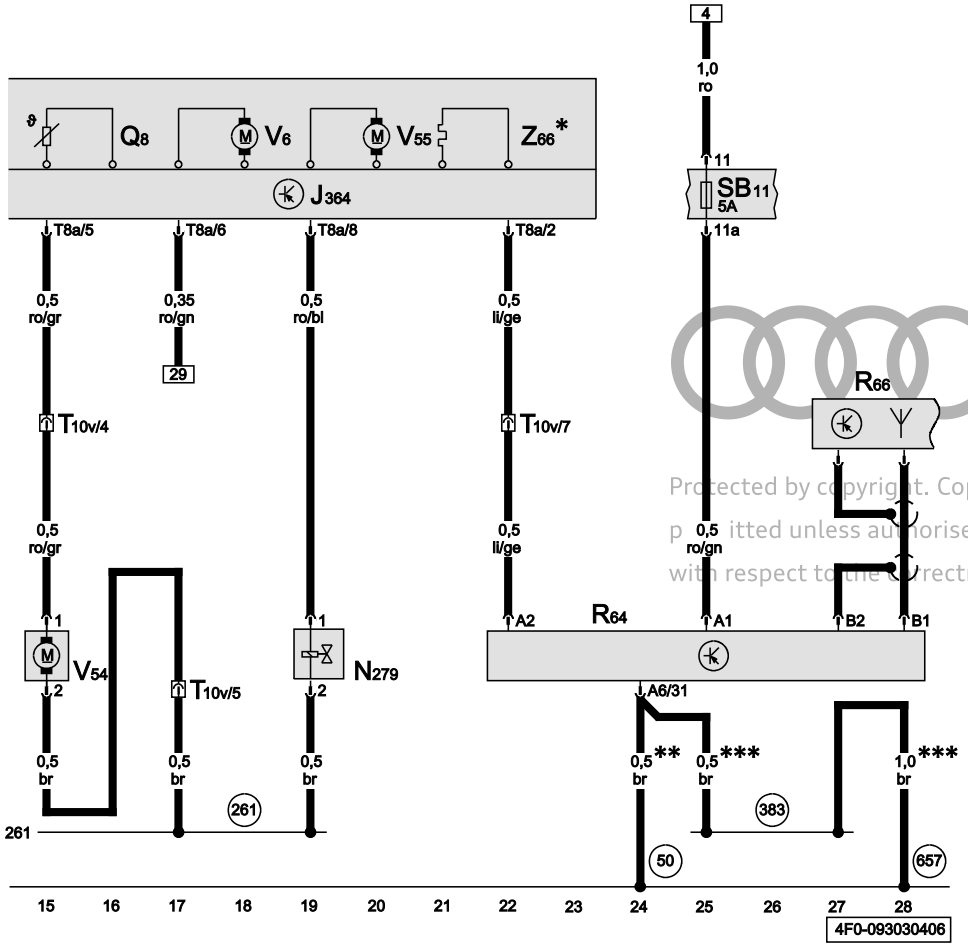
G18	Temperature sensor
G189	Overheating sensor
J364	Auxiliary heater control unit
S132	Fuse 2
S133	Fuse 3
SB35	Fuse 35 on fuse holder B
T2f	2-pin connector, black, on auxiliary heater control unit
T8a	8-pin connector, black, on auxiliary heater control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN separating connector left
261	Earth connection, in heated washer jet wiring harness
607	Earth point, on left in plenum chamber
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
•	CAN bus (data wire)
*	main fuse carrier in luggage compartment, rear right, on the battery

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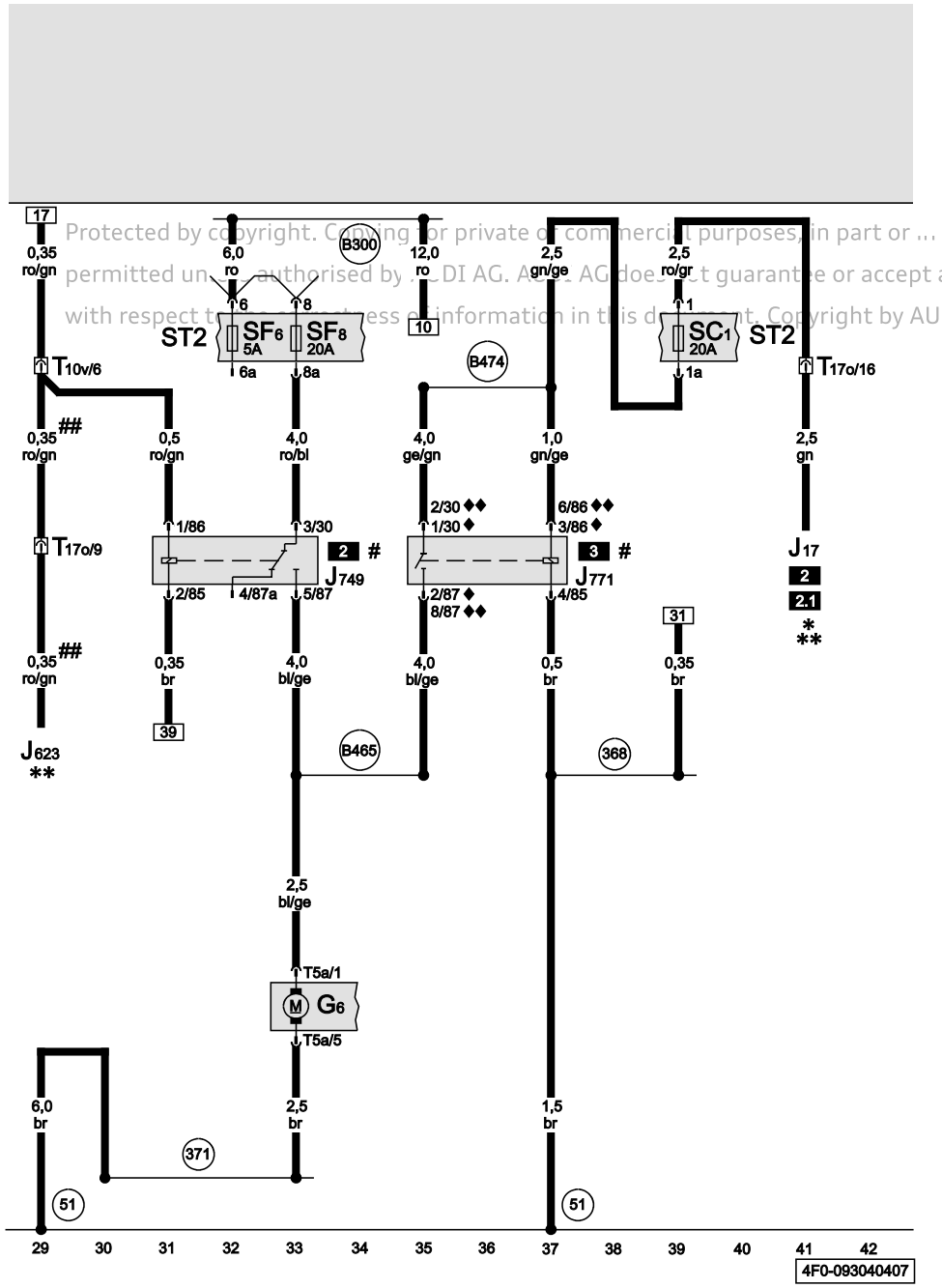
Auxiliary heater control unit, heater coolant shut-off valve, remote control receiver for auxiliary heating, metering pump

J364	Auxiliary heater control unit
N279	Heater coolant shut-off valve
Q8	Glow plug with flame monitor
R64	Remote control receiver for auxiliary heating
R66	Telephone, navigation system and auxiliary heater aerial
SB11	Fuse 11 on fuse holder B
T8a	8-pin connector, black, on auxiliary heater control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
V6	Combustion air blower
V54	Metering pump
V55	Circulation pump
Z66	Fuel pre-heating heater element
50	Earth point, on left in luggage compartment
261	Earth connection, in heated washer jet wiring harness
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
*	models with diesel engine only
**	saloon models
***	Avant



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Fuel pump relay for auxiliary heater, fuses

G6	Fuel system pressurisation pump
J17	Fuel pump relay
J623	Engine control unit
J749	Fuel pump relay for auxiliary heater
J771	Blocking relay
SC1	Fuse 1 on fuse holder C
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
T5a	5-pin connector, black, on fuel tank
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B465	Connection 1 in main wiring harness
B474	Connection 10, in main wiring harness
*	Relay carrier electronics box left in plenum chamber
**	⇒ Engine Current Flow Diagram
#	Fuse and relay carrier right in luggage compartment
##	3.2 l engine, engine codes AUK, BKH
◆	up to May 2007
◆◆	from June 2007

Entry and start authorisation, entry and start authorisation with Kessy

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

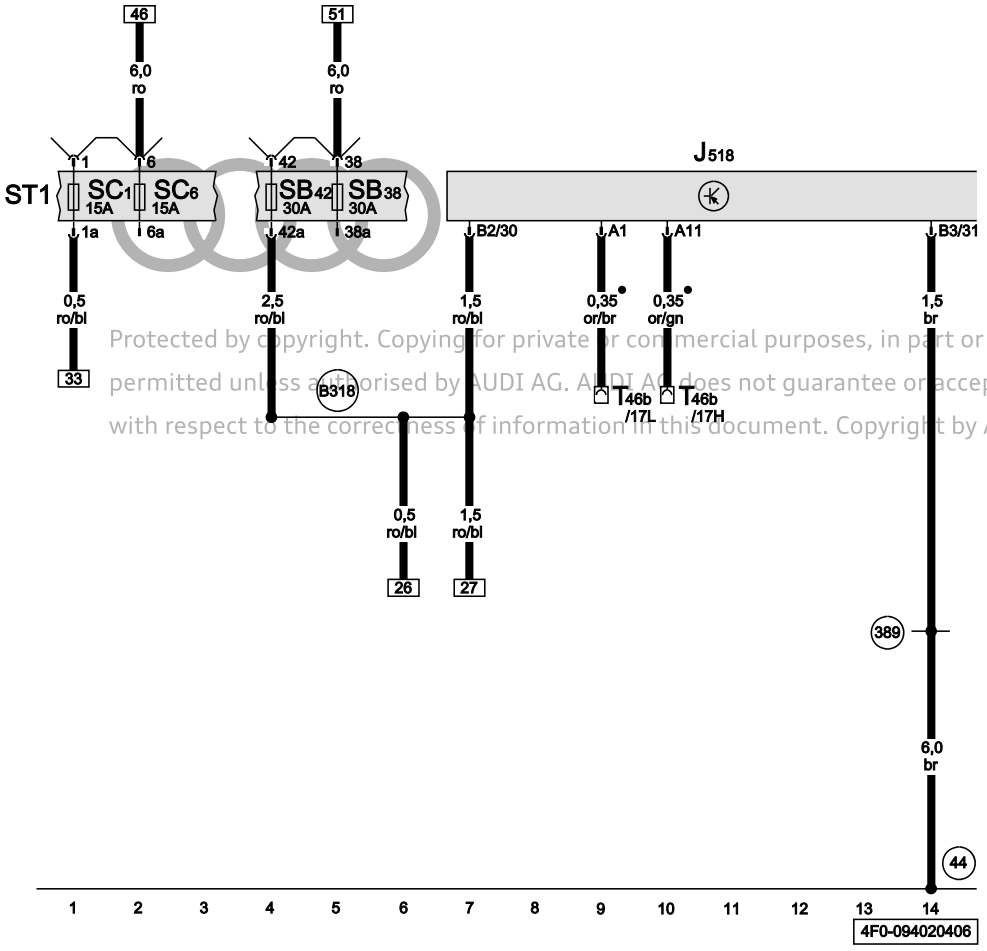
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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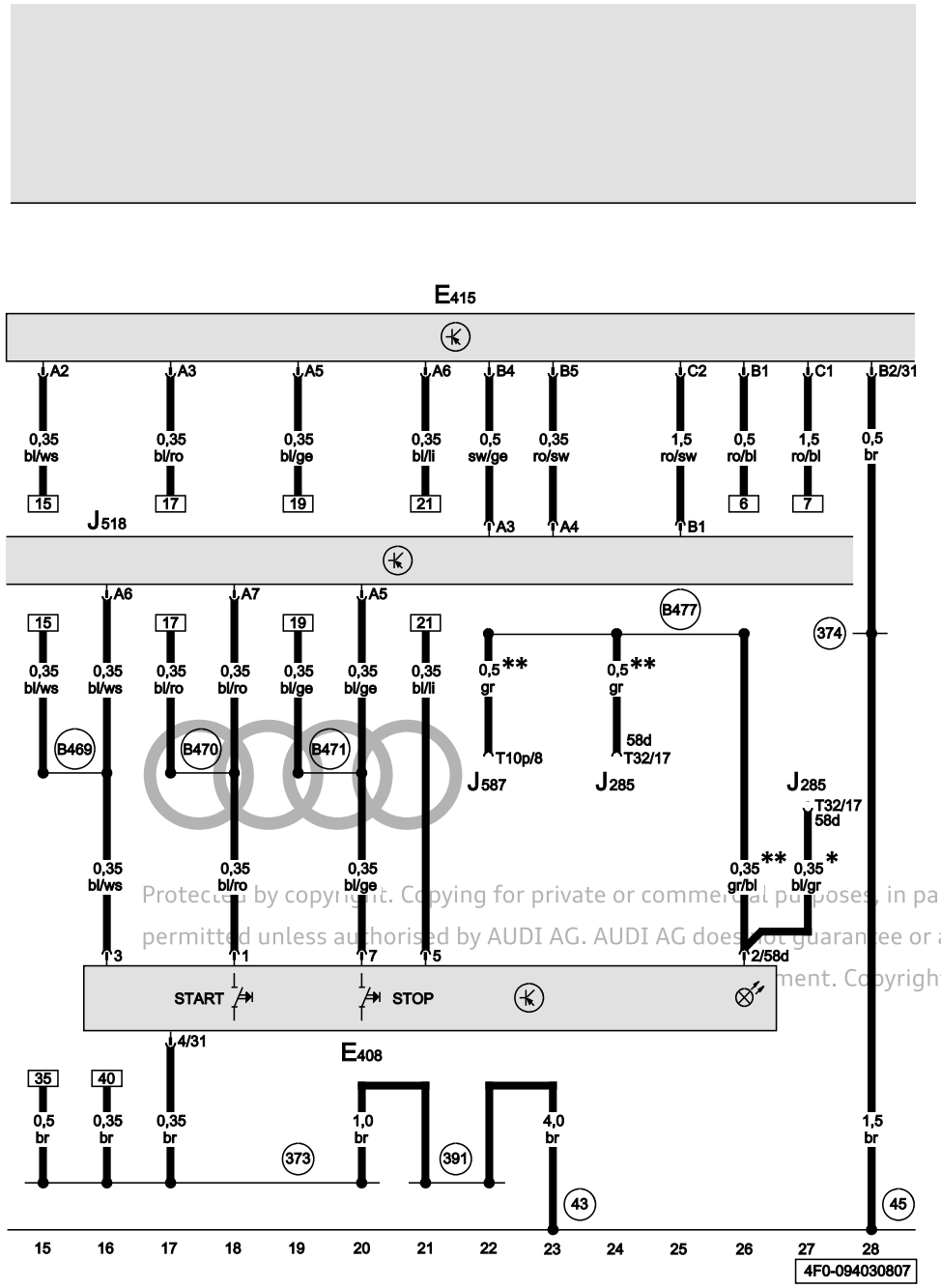
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Entry and start authorisation control unit, fuses

J518	Entry and start authorisation control unit
SB38	Fuse 38 on fuse holder B
SB42	Fuse 42 on fuse holder B
SC1	Fuse 1 on fuse holder C
SC6	Fuse 6 on fuse holder C
T46b	46-pin connector, CAN disconnector right
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
•	CAN bus (data wire)

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Entry and start authorisation control unit, entry and start authorisation switch, entry and start authorisation button



E408 Entry and start authorisation button
E415 Entry and start authorisation switch
J285 Control unit in dash panel insert
J518 Entry and start authorisation control unit
J587 Selector lever sensors control unit
T10p 10-pin connector, black, on selector lever sensors control unit
T32 32-pin connector, grey, on dash panel insert

43 Earth point, lower part of right A-pillar

45 Earth point, centre behind dash panel

373 Earth connection 8, in main wiring harness

374 Earth connection 9, in main wiring harness

391 Earth connection 26, in main wiring harness

B469 Connection 5 in main wiring harness

B470 Connection 6 in main wiring harness

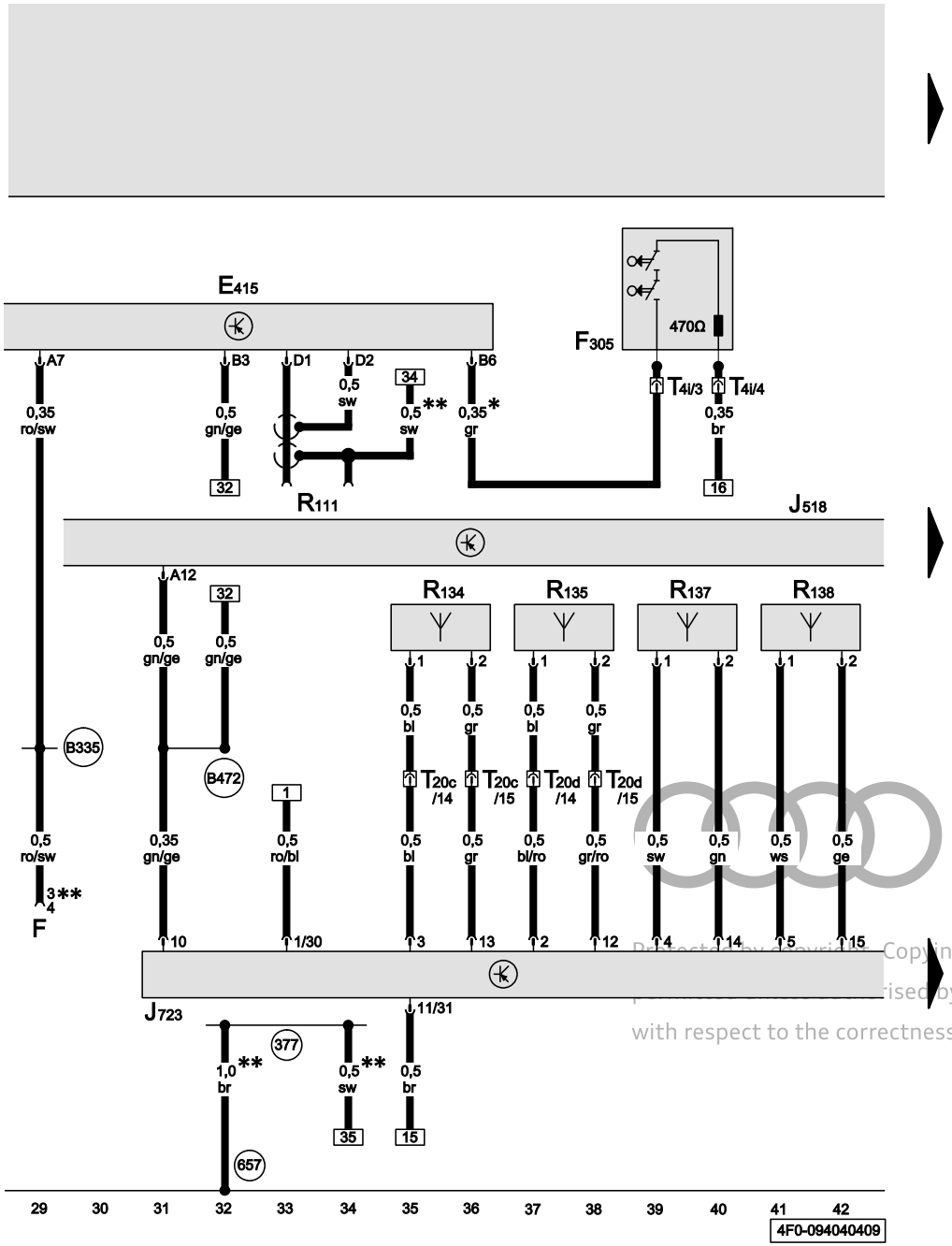
B471 Connection 7 in main wiring harness

B477 Connection 13 in main wiring harness

* models with manual gearbox
** models with automatic gearbox

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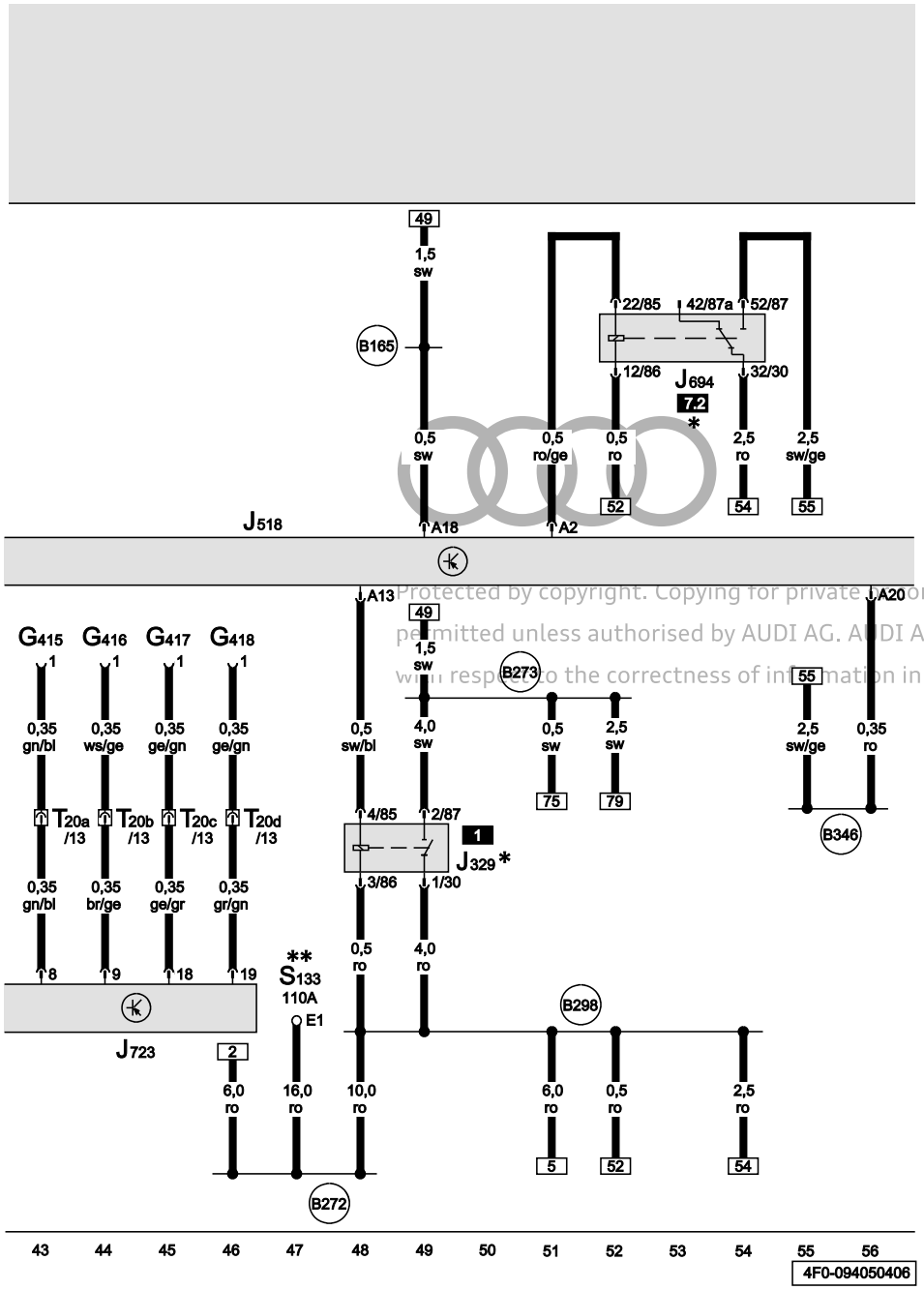
Entry and start authorisation control unit, entry and start authorisation switch, aerial for entry and start authorisation, aerial reader unit for keyless entry system

E415	Entry and start authorisation switch
F	Brake light switch
F305	Gear selector position P switch
J518	Entry and start authorisation control unit
J723	Aerial reader unit for keyless entry system
R111	Aerial amplifier 2
R134	Driver side aerial for entry and start authorisation
R135	Front passenger side aerial for entry and start authorisation
R137	Luggage compartment aerial for entry and start authorisation
R138	Interior aerial 1 for entry and start authorisation
T4i	4-pin connector, black, in centre console on selector lever console
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar
377	Earth connection 12, in main wiring harness
657	Earth point 1, on left near rear window
B335	Connection 1 (54), in main wiring harness
B472	Connection 8 in main wiring harness
*	models with automatic gearbox
**	from June 2007

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rs = pink

Entry and start authorisation control unit, aerial reader unit for keyless entry system, terminal 15 voltage supply relay, terminal 75x voltage supply relay



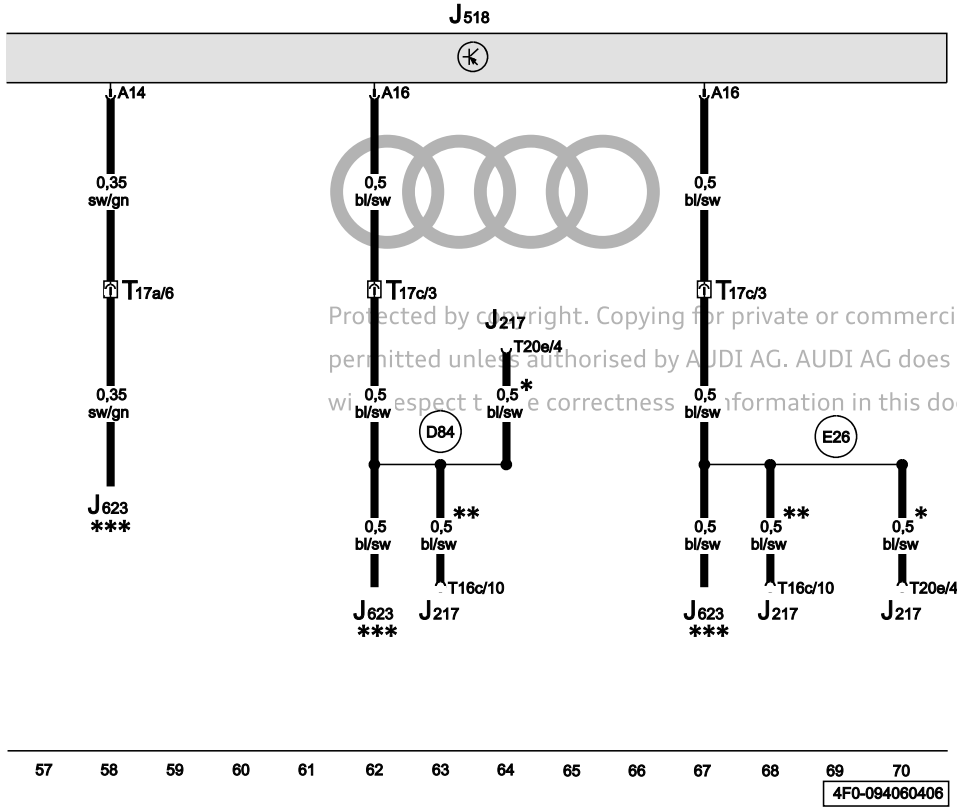
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G415	Driver door exterior handle touch sensor
G416	Front passenger door exterior handle touch sensor
G417	Rear left door exterior handle touch sensor
G418	Rear right door exterior door handle touch sensor
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J694	Terminal 75x voltage supply relay
J723	Aerial reader unit for keyless entry system
S133	Fuse 3
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B346	Connection 1 (75), in main wiring harness
*	9-point relay carrier, behind driver storage compartment
**	main fuse carrier in luggage compartment, rear right, on the battery

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

Entry and start authorisation control unit

J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
D84	Connection (automatic gearbox), in engine compartment wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
*	models with automatic gearbox 01J
**	models with automatic gearbox 09L
***	⇒ Engine Current Flow Diagram



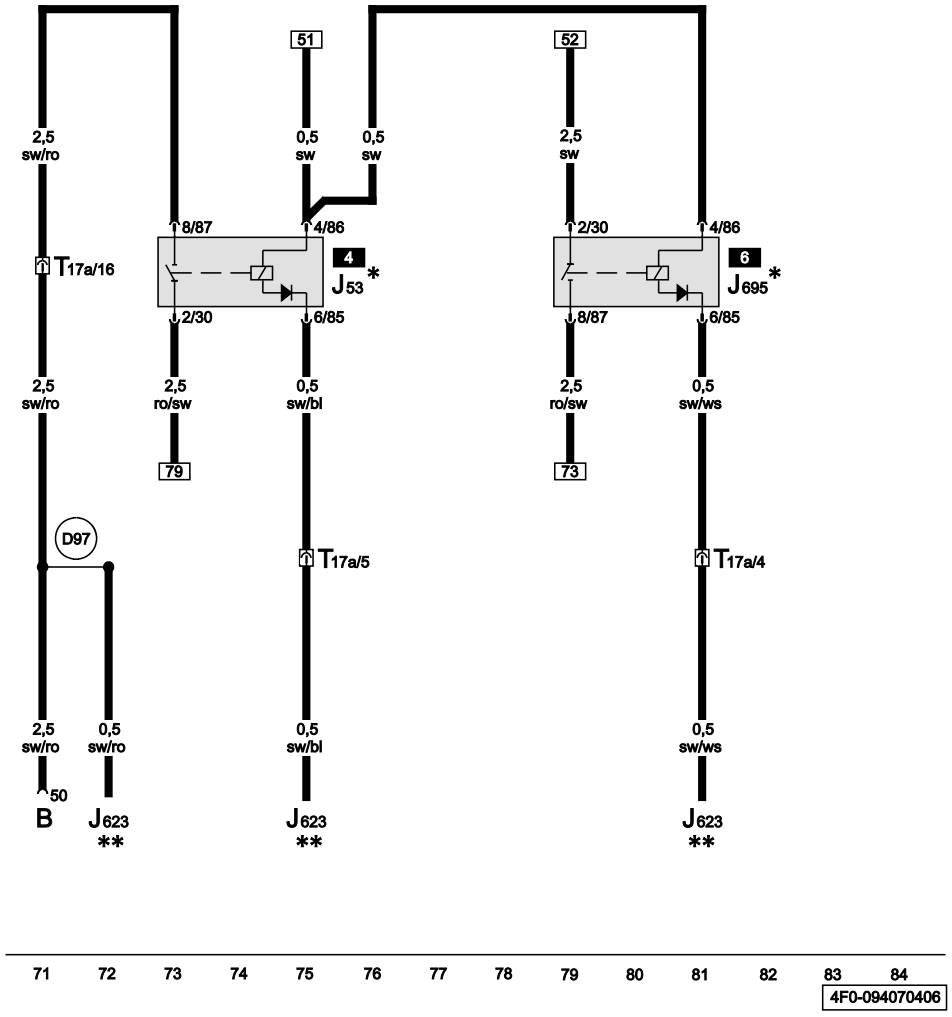
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Starter motor relay, starter motor relay 2

B	Starter
J53	Starter motor relay
J623	Engine control unit
J695	Starter motor relay 2
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
D97	Connection (50), in engine compartment right wiring harness
*	9-point relay carrier, behind driver storage compartment
**	⇒ Engine Current Flow Diagram



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Electric park and handbrake

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

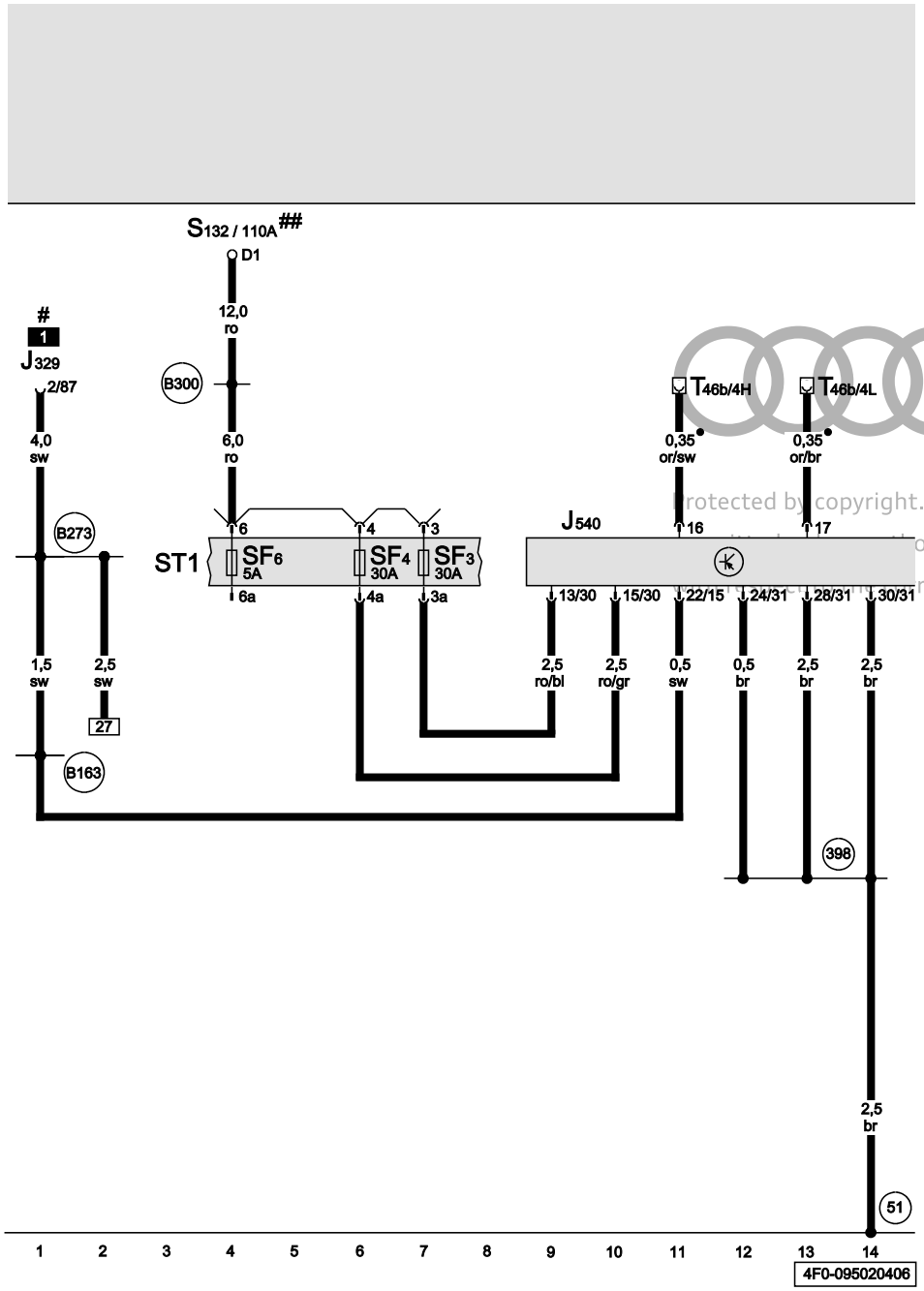
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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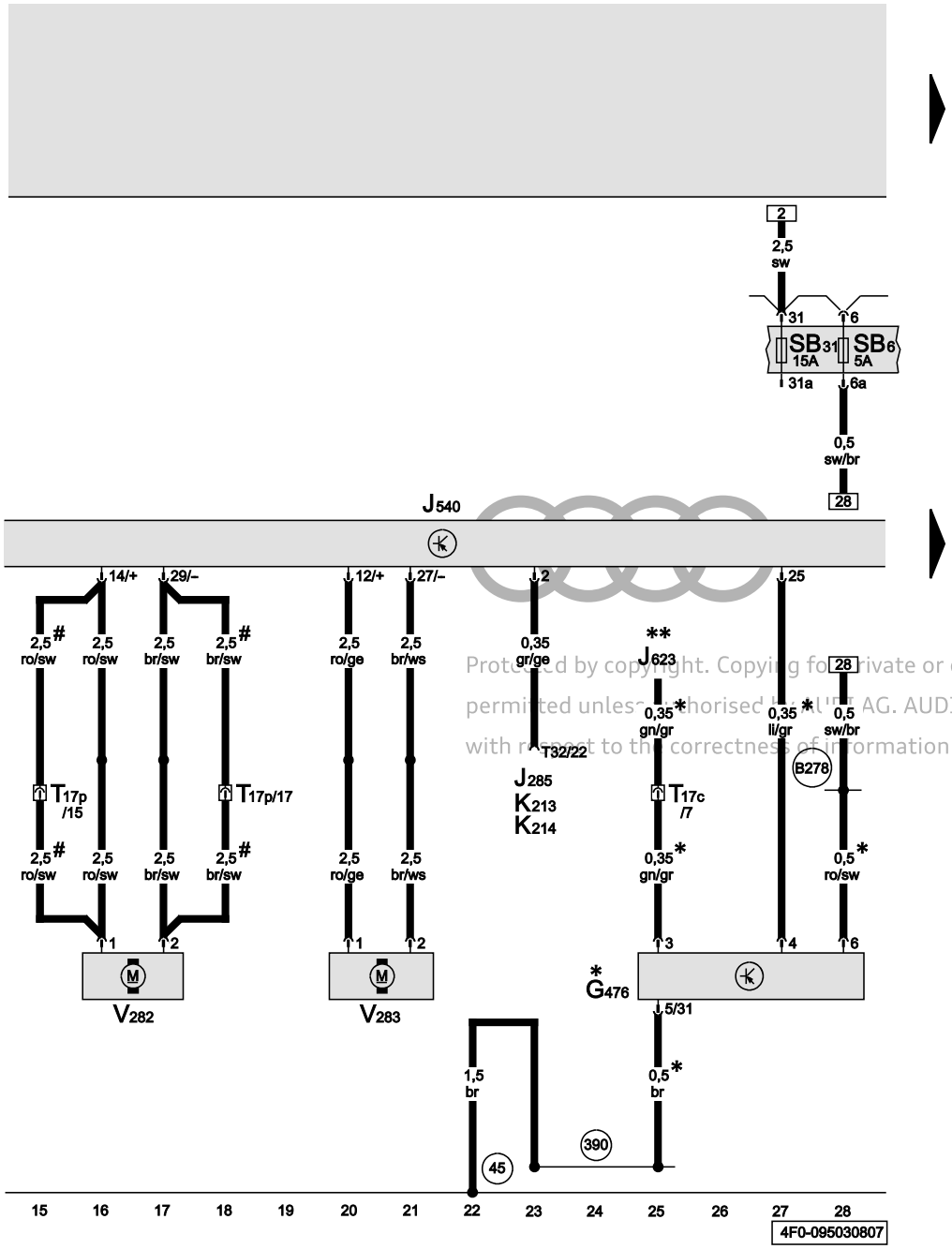
Electric park and handbrake control unit, fuses

J329	Terminal 15 voltage supply relay
J540	Electric park and handbrake control unit
S132	Fuse 2
SF3	Fuse 3 on fuse holder F
SF4	Fuse 4 on fuse holder F
SF6	Fuse 6 on fuse holder F
T46b	46-pin connector, CAN separating connector right
51	Earth point, on right in luggage compartment
398	Earth connection 33, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
•	CAN bus (data wire)
#	9-point relay carrier, behind driver storage compartment
##	main fuse box, in luggage compartment, rear right, on the battery

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Electric park and handbrake control unit, left and right parking brake motor, clutch position sender, electric park and handbrake warning lamp, electric parking brake and handbrake fault warning lamp



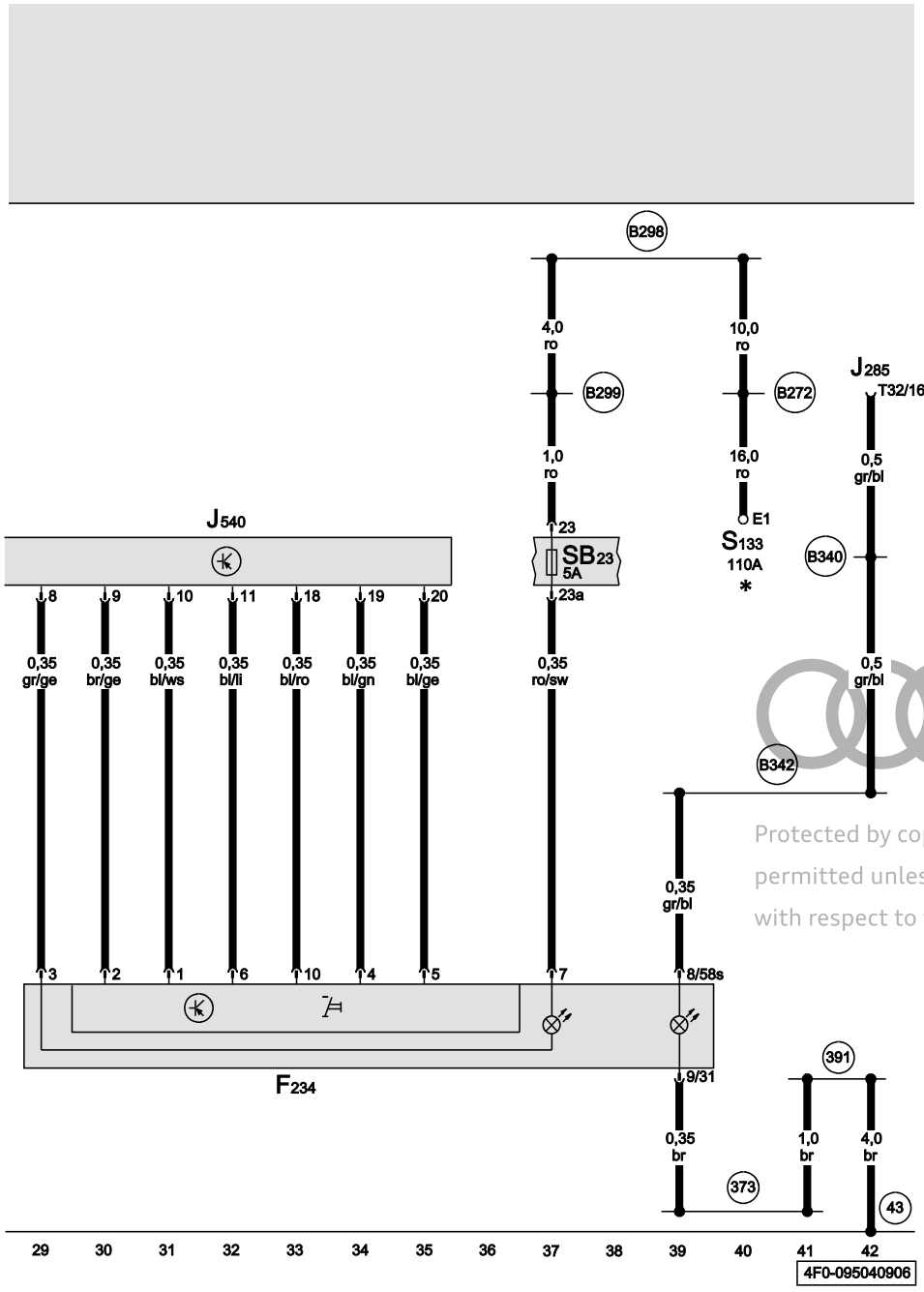
G476	Clutch position sender
J285	Control unit in dash panel insert
J540	Electric park and handbrake control unit
J623	Engine control unit
K213	Electric park and handbrake warning lamp
K214	Electric parking brake and handbrake fault warning lamp
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17p	17-pin connector, black, in left luggage compartment
T32	32-pin connector, grey, on dash panel insert
V282	Left parking brake motor
V283	Right parking brake motor
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	models with manual gearbox
**	⇒ Engine Current Flow Diagram
#	from August 2006

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Electric park and handbrake control unit, parking brake pressure switch

F234	Parking brake pressure switch
J285	Control unit in dash panel insert
J540	Electric park and handbrake control unit
S133	Fuse 3
SB23	Fuse 23 on fuse holder B
T32	32-pin connector, grey, on dash panel insert
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
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
B340	Connection 1 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery



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Driver seat electric lumbar support adjustment, front passenger seat electric lumbar support adjustment

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

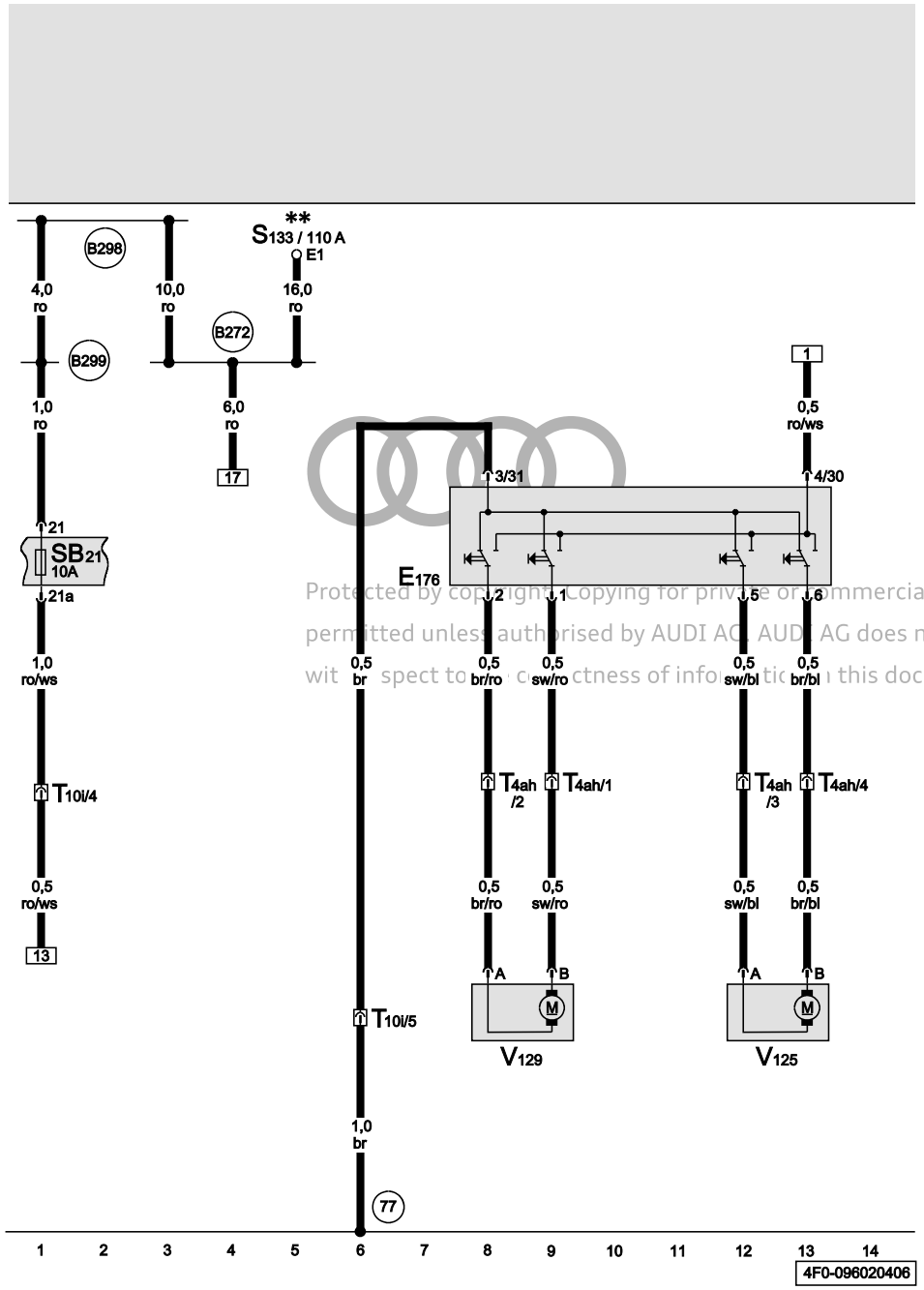
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Driver seat lumbar support adjustment switch, driver seat lumbar support longitudinal adjustment motor, driver seat lumbar support height adjustment motor

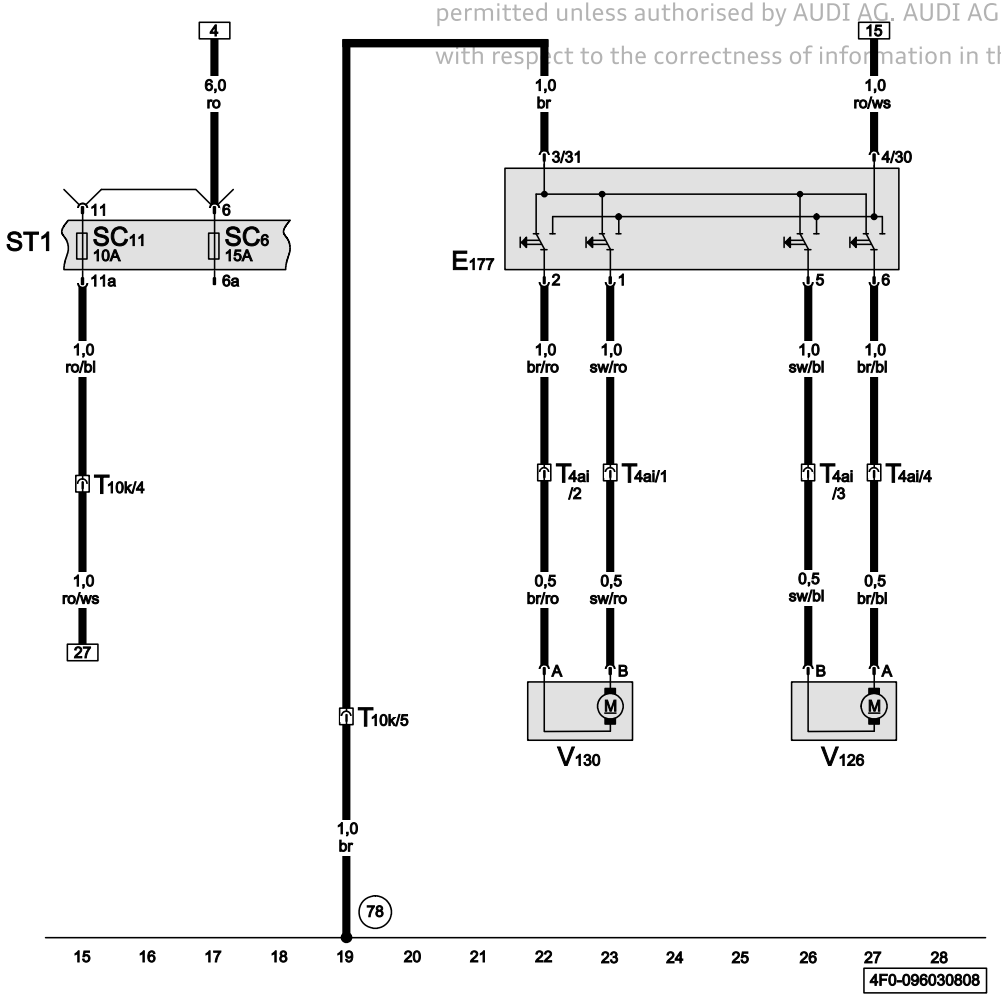
E176	Driver seat lumbar support adjustment switch
S133	Fuse 3
SB21	Fuse 21 on fuse holder B
T4ah	4-pin connector, in driver seat
T10i	10-pin connector, red, on left of seat cross member
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor
77	Earth point, lower part of left B-pillar
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
*	main fuse box, in luggage compartment, rear right, on the battery

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rs	=	pink

Front passenger seat lumbar support adjustment switch, front passenger seat lumbar support longitudinal adjustment motor, front passenger seat lumbar support height adjustment motor

E177	Front passenger seat lumbar support adjustment switch
SC6	Fuse 6 on fuse holder C
SC11	Fuse 11 on fuse holder C
T4ai	4-pin connector, in front passenger seat
T10k	10-pin connector, red, on right of seat cross member
V126	Front passenger seat lumbar support longitudinal adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
78	Earth point, lower part of right B-pillar

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Heated front and rear seats

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

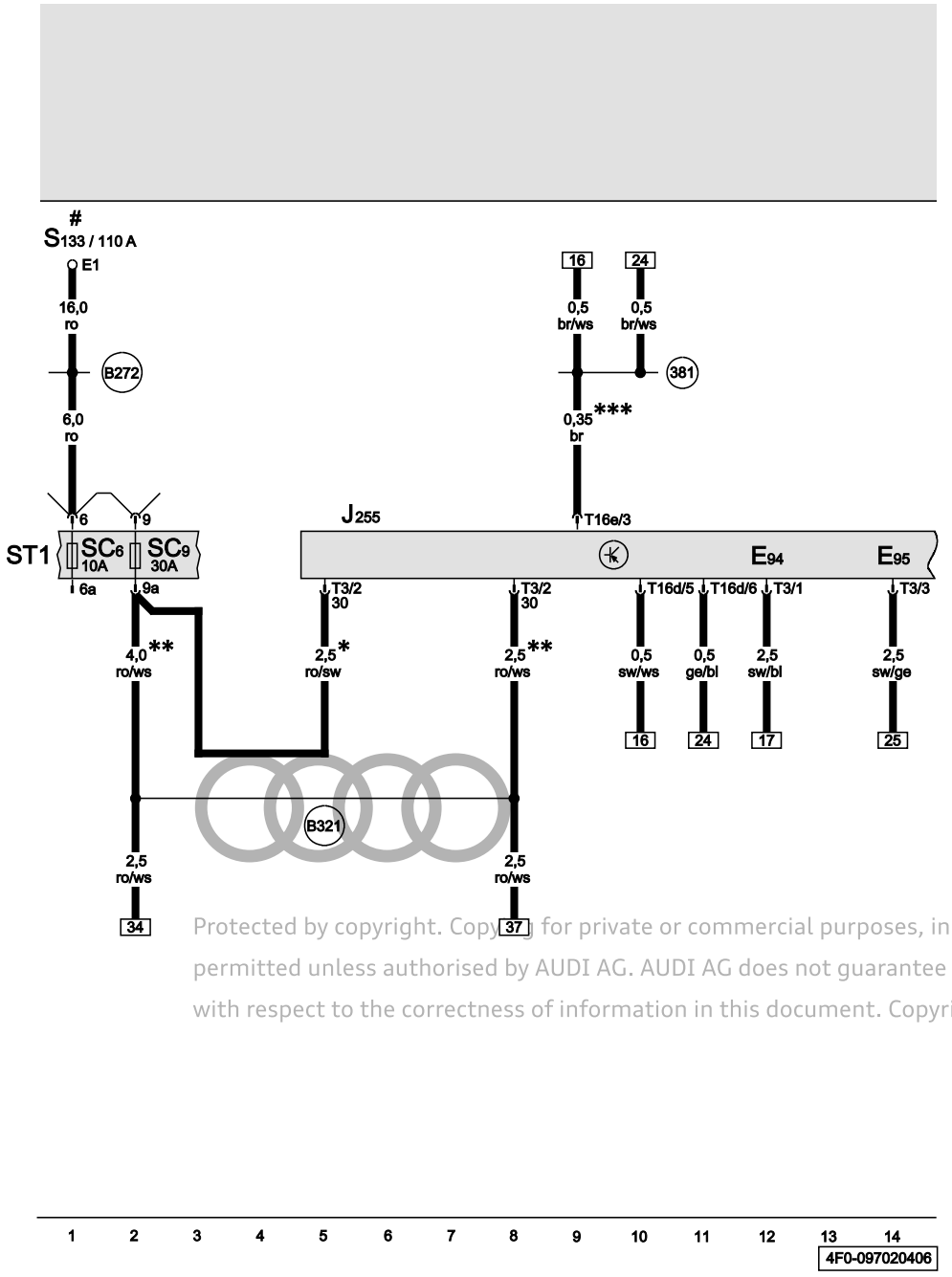
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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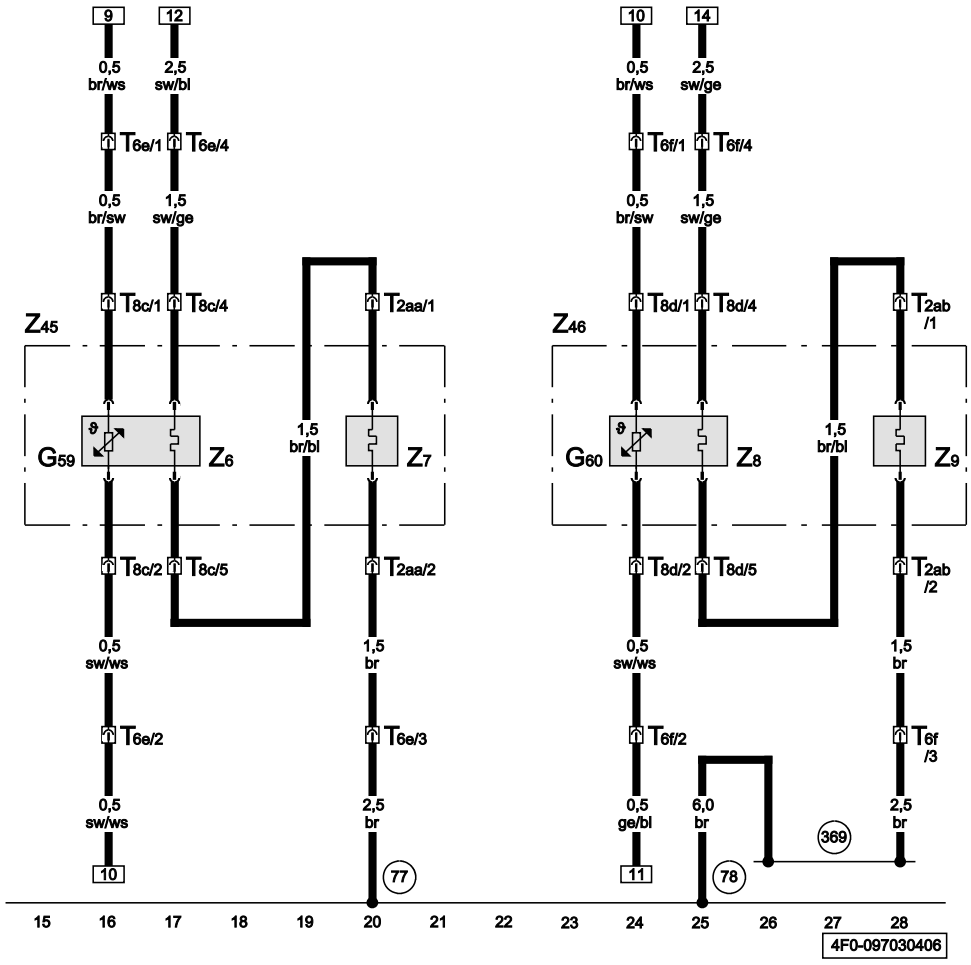
Heated driver seat regulator, heated front passenger seat regulator, Climatronic control unit

E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J255	Climatronic control unit
S133	Fuse 3
SC6	Fuse 6 on fuse holder C
SC9	Fuse 9 on fuse holder C
T3	3-pin connector, black, connector E, on Climatronic control unit
T16d	16-pin connector, brown, connector C, on Climatronic control unit
T16e	16-pin connector, black, connector D, on Climatronic control unit
381	Earth connection 16, in main wiring harness
B272	Positive connection (30), in main wiring harness
B321	Positive connection 7 (30a), in main wiring harness
*	Heated front seats
**	Heated front and rear seats
***	output sender earth
#	main fuse carrier in luggage compartment, rear right, on the battery

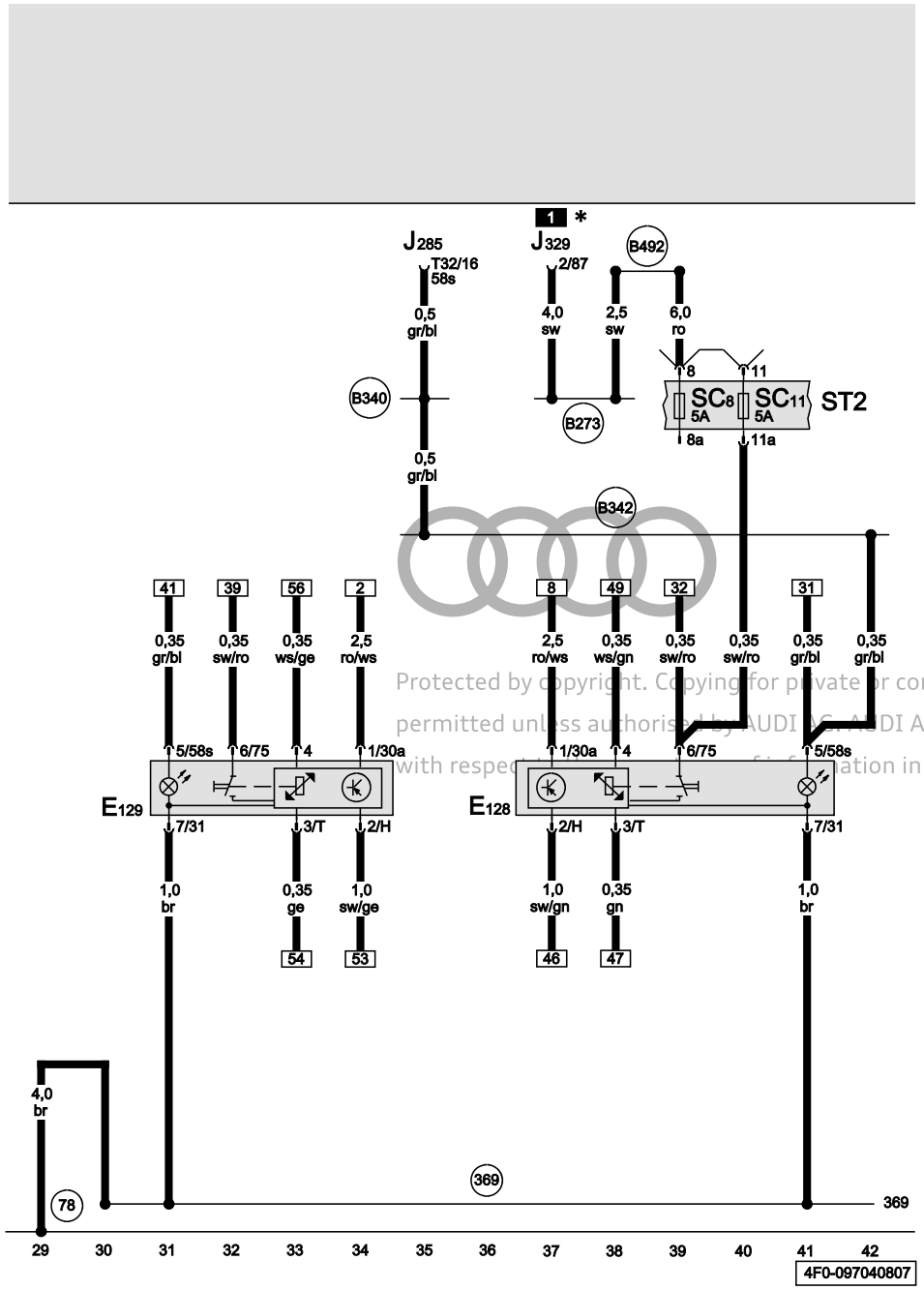
Heated driver seat, heated driver seat backrest, heated front passenger seat, heated front passenger seat backrest, heated seat cushion for front left seat, heated seat cushion for front right seat, temperature sensor

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G59	Driver seat temperature sensor
G60	Front passenger seat temperature sensor
T2aa	2-pin connector, under driver seat
T2ab	2-pin connector, under front passenger seat
T6e	6-pin connector, green, on left of seat cross member
T6f	6-pin connector, green, on right of seat cross member
T8c	8-pin connector, under driver seat
T8d	8-pin connector, under front passenger seat
Z6	Heated driver seat cushion
Z7	Heated driver seat backrest
Z8	Heated front passenger seat cushion
Z9	Heated front passenger seat backrest
Z45	Front left seat heating
Z46	Front right seat heating
77	Earth point, lower part of left B-pillar
78	Earth point, lower part of right B-pillar
369	Earth connection 4, in main wiring harness



ws	=	white
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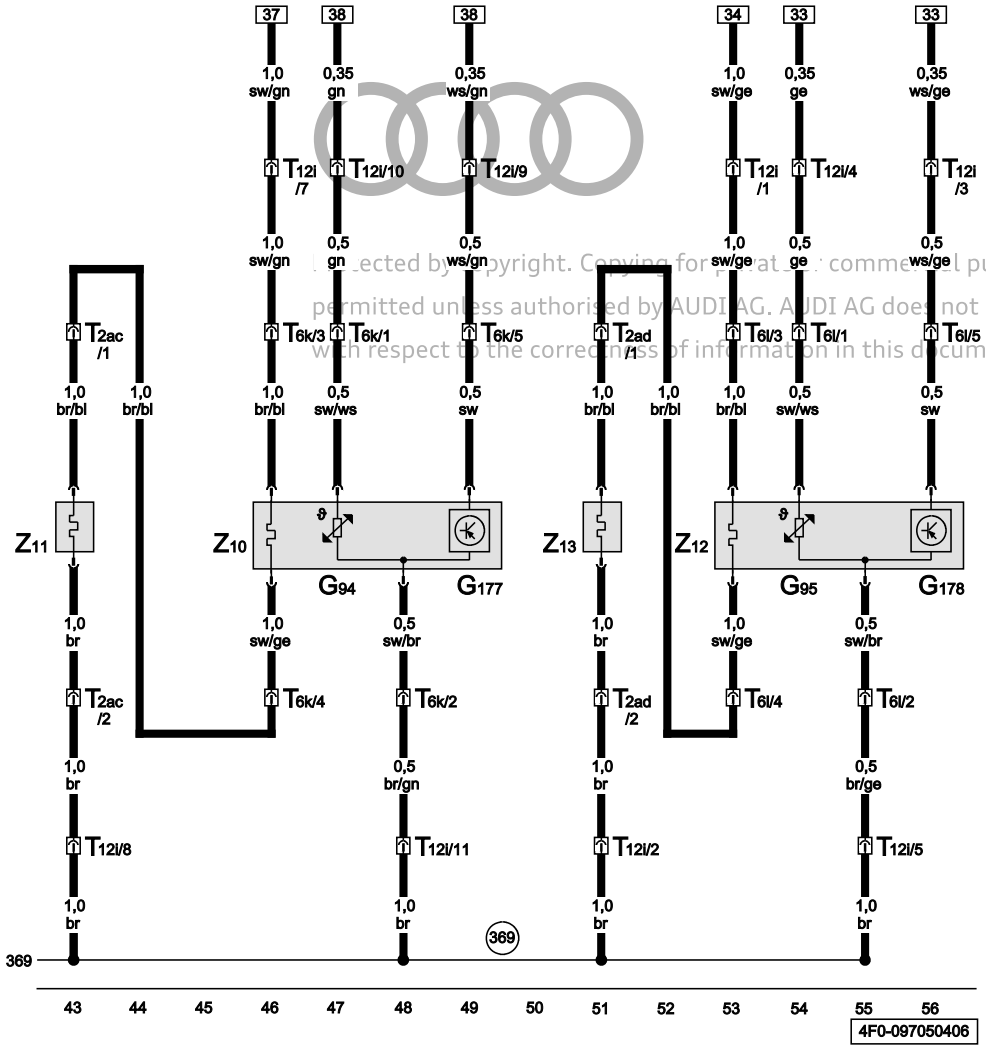
Heated rear left seat switch with regulator, heated rear right seat switch with regulator

E128	Heated rear left seat switch with regulator
E129	Heated rear right seat switch with regulator
J285	Control unit in dash panel insert
J329	Terminal 15 voltage supply relay
SC8	Fuse 8 on fuse holder C
SC11	Fuse 11 on fuse holder C
T32	32-pin connector, grey, on dash panel insert
78	Earth point, lower part of right B-pillar
369	Earth connection 4, in main wiring harness
B273	Positive connection (15), in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B342	Connection 3 (58s), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	9-point relay carrier, behind driver storage compartment

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Heated bench seat cushion for rear left seat, heated rear left seat backrest, heated bench seat cushion for rear right seat, heated rear right seat backrest, rear seat occupied sensor, rear seat temperature sensor

G94	Rear left seat temperature sensor
G95	Rear right seat temperature sensor
G177	Rear seat occupied sensor on driver side
G178	Rear seat occupied sensor on front passenger side
T2ac	2-pin connector, in rear seat, left
T2ad	2-pin connector, in rear seat, right
T6k	6-pin connector, under rear seat, left
T6l	6-pin connector, under rear seat, right
T12i	12-pin connector, black, under rear seat
Z10	Heated rear left seat
Z11	Heated rear left seat backrest
Z12	Heated rear right seat
Z13	Heated rear right seat backrest
369	Earth connection 4, in main wiring harness



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Electric seat adjustment with memory front passenger seat

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

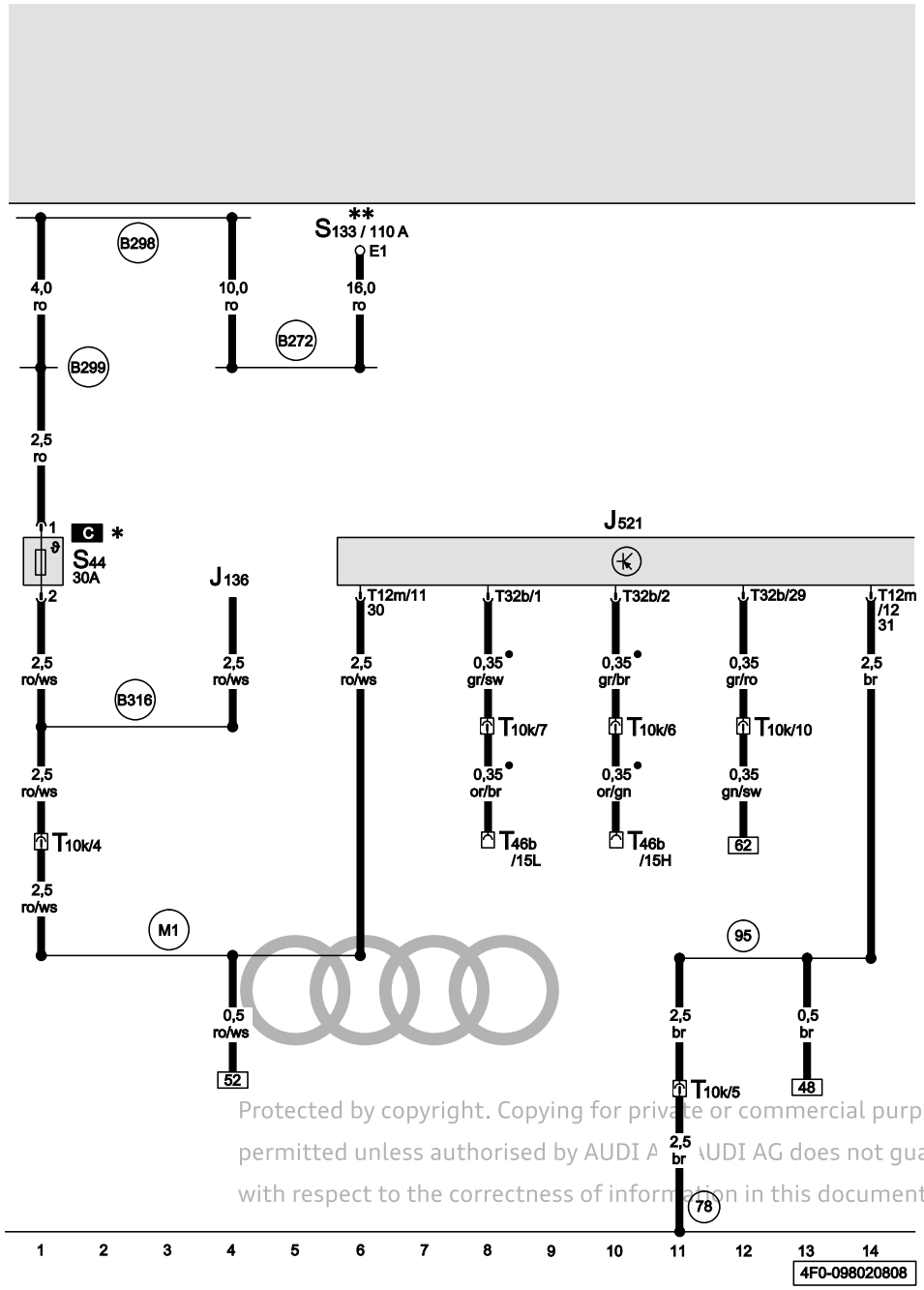
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Front passenger seat adjustment with memory control unit, driver seat adjustment thermal fuse 1

J136	Seat and steering column adjustment control unit with memory function
J521	Front passenger seat adjustment with memory control unit
S44	Driver seat adjustment thermal fuse 1
S133	Fuse 3
T10k	10-pin connector, red, on right of seat cross member
T12m	12-pin connector, on front passenger seat adjustment with memory control unit
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
T46b	46-pin connector, CAN separating connector right
78	Earth point, lower part of right B-pillar
95	Earth connection 1, in seat adjuster wiring harness
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
B316	Positive connection 2 (30a), in main wiring harness
M1	Positive connection 1 (30), in seat adjustment wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	main fuse box, in luggage compartment, rear right, on the battery

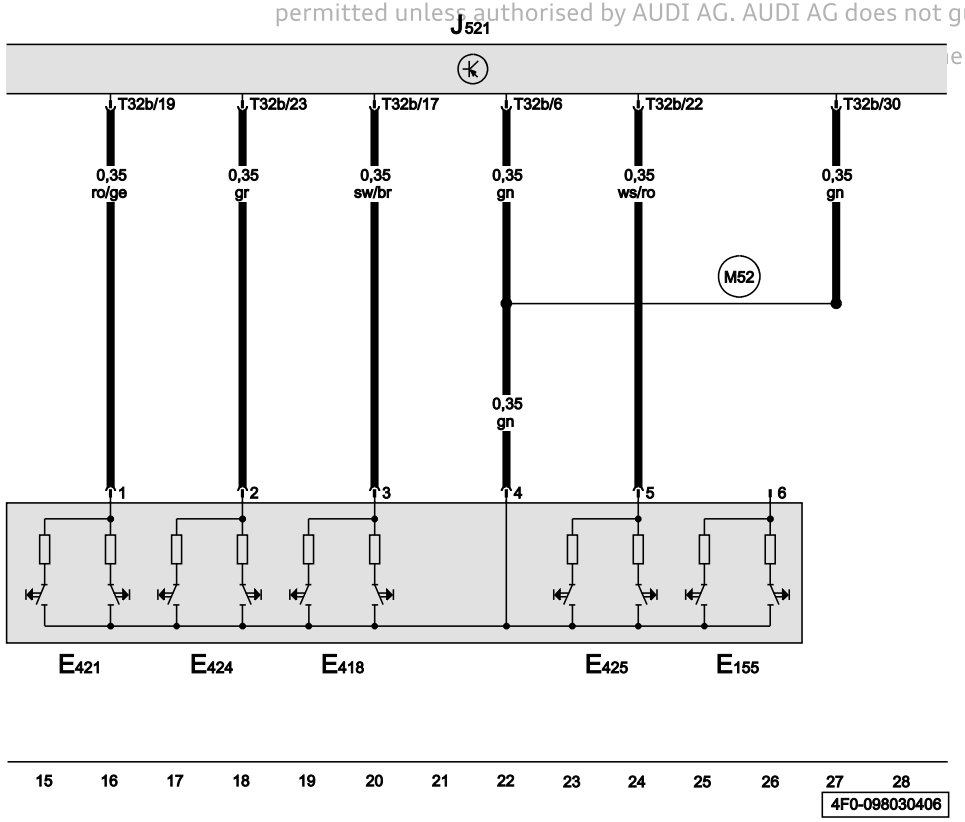
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Front passenger seat adjustment with memory control unit, rake adjustment button, seat height adjustment button, seat longitudinal adjustment button, backrest adjustment button, head restraint adjustment switch

E155	Head restraint adjustment switch
E418	Seat longitudinal adjustment button
E421	Rake adjustment button
E424	Seat height adjustment button
E425	Backrest adjustment button
J521	Front passenger seat adjustment with memory control unit
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
M52	Connection 2, in front passenger seat wiring harness

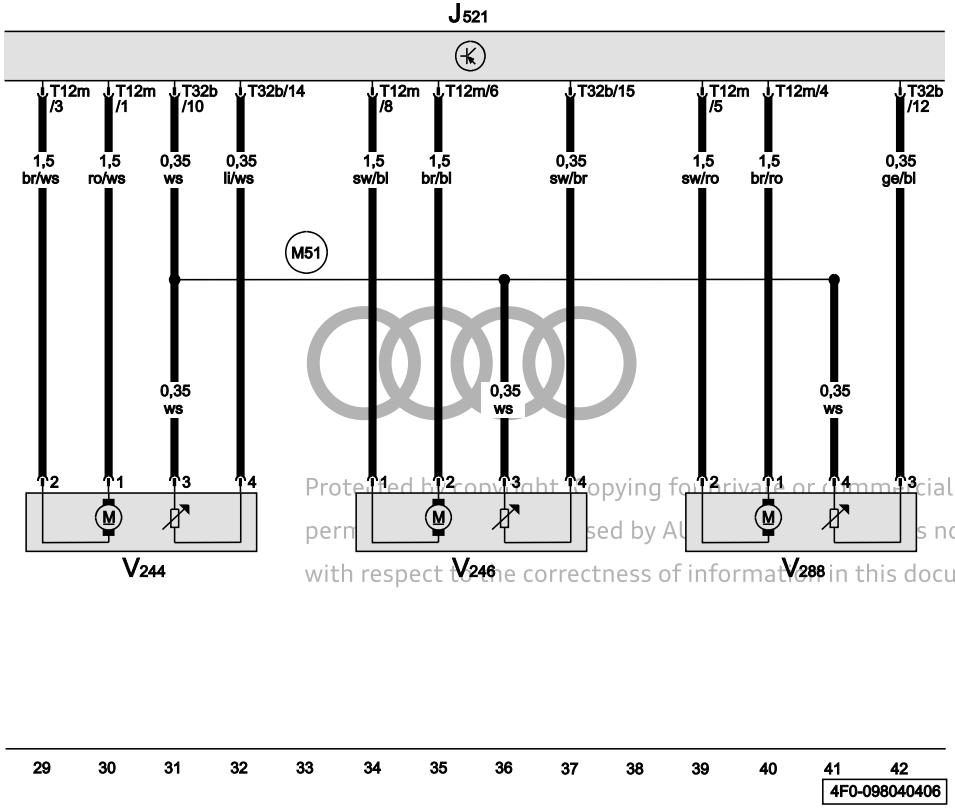
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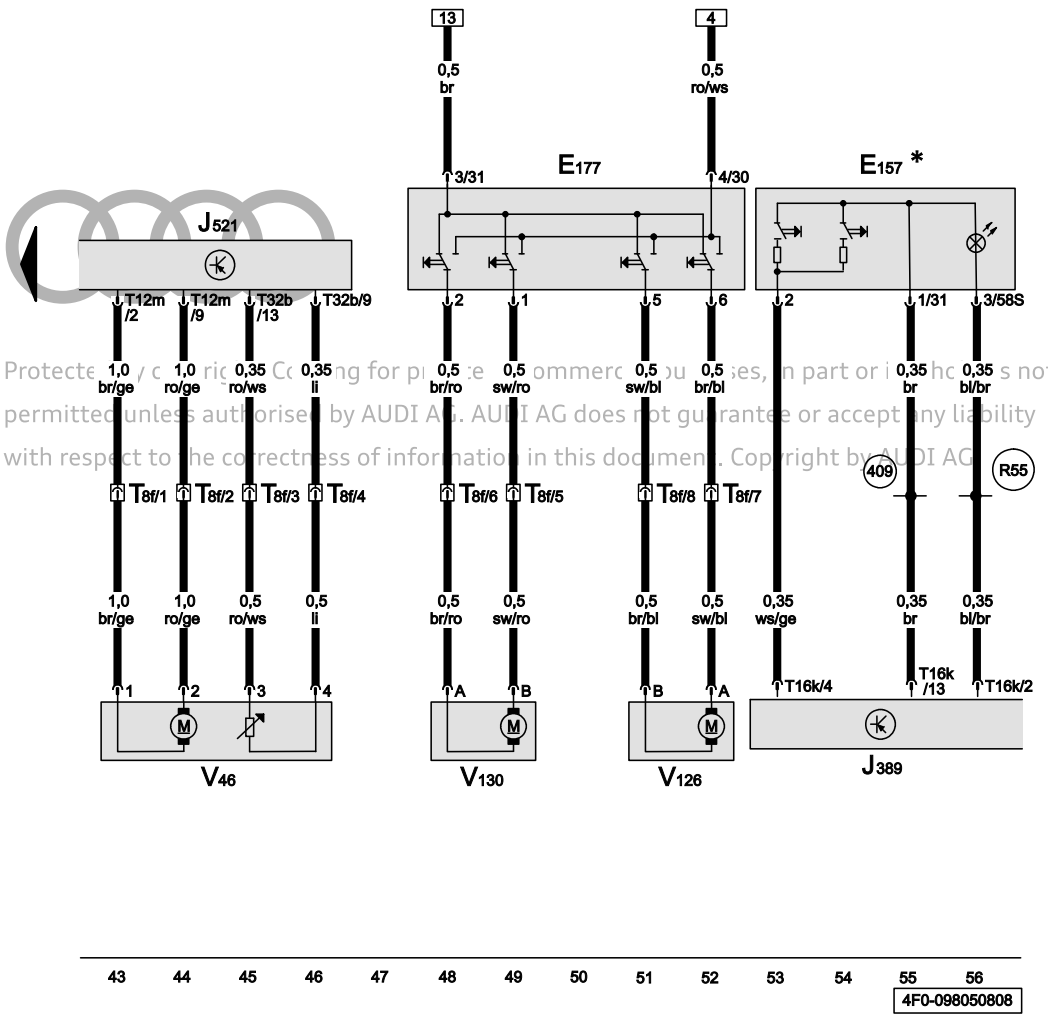
Front passenger seat adjustment with memory control unit, front passenger seat rake adjustment motor, front passenger seat height adjustment motor, seat longitudinal adjustment motor

J521	Front passenger seat adjustment with memory control unit
T12m	12-pin connector, on front passenger seat adjustment with memory control unit
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
V244	Front passenger seat rake adjustment motor
V246	Front passenger seat height adjustment motor
V288	Seat longitudinal adjustment motor
M51	Connection 1, in front passenger seat wiring harness



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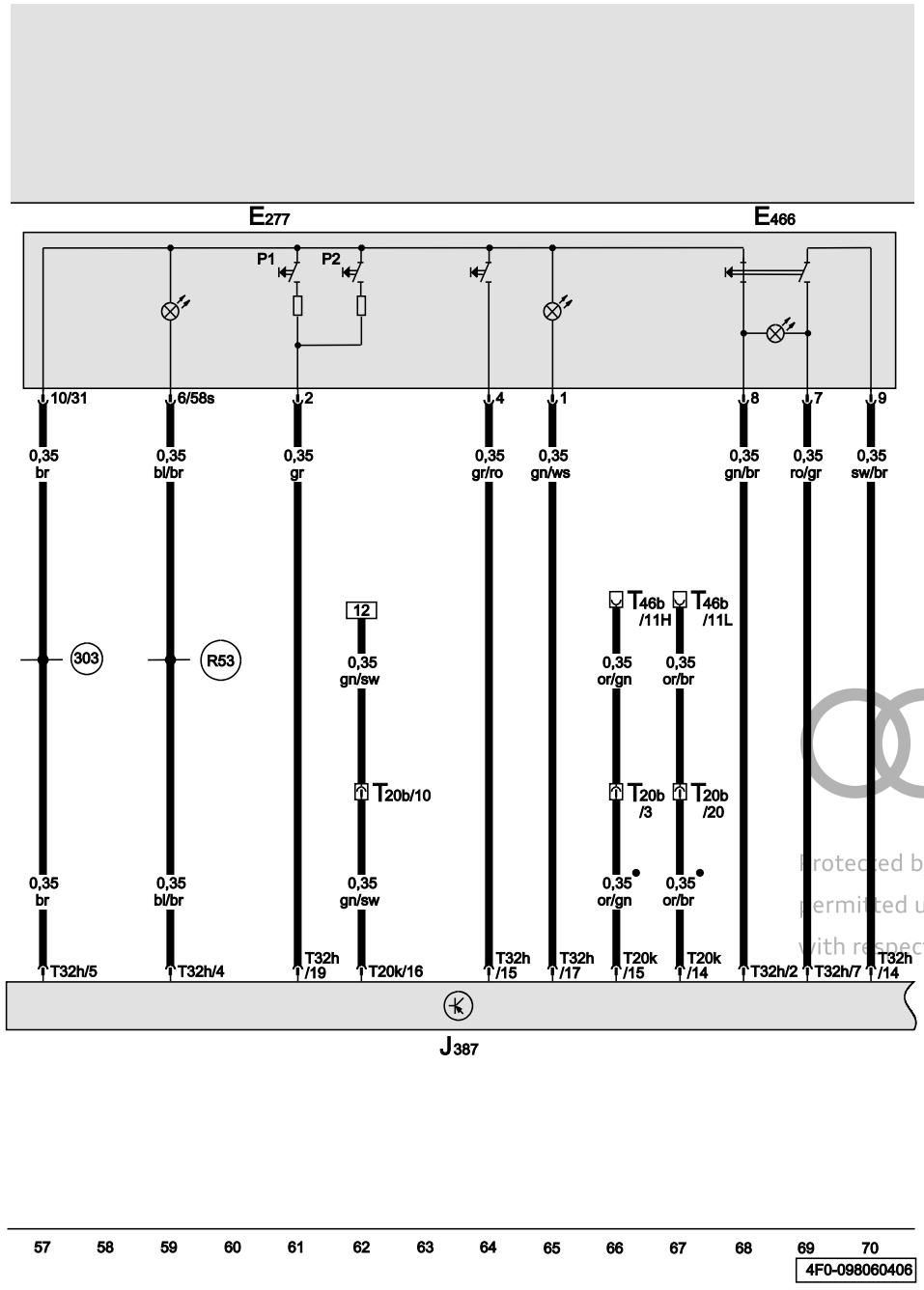


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Front passenger seat adjustment with memory control unit, front passenger seat lumbar support adjustment switch, front passenger seat adjustment motors

E157	Front passenger seat adjustment switch
E177	Front passenger seat lumbar support adjustment switch
J389	Rear right door control unit
J521	Front passenger seat adjustment with memory control unit
T8f	8-pin connector, in front passenger seat
T12m	12-pin connector, on front passenger seat adjustment with memory control unit
T16k	16-pin connector, black, connector C, on rear right door control unit
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
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
409	Earth connection 3, in rear right door wiring harness
R55	Connection (58s), in rear right door wiring harness
*	from June 2008

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



Front passenger seat memory operating unit, front passenger side emergency off button, front passenger door control unit

E277	Front passenger seat memory operating unit
E466	Front passenger side emergency off button
J387	Front passenger door control unit
T20b	20-pin connector, black, right A-pillar
T20k	20-pin connector, black, connector B, on front passenger door control unit
T32h	32-pin connector, white, connector D, on front passenger door control unit
T46b	46-pin connector, CAN separating connector right
303	Earth connection 3, in door wiring harness
R53	Connection (58s), in front passenger side door wiring harness
•	CAN bus (data wire)

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Electric seat adjustment with memory driver seat

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

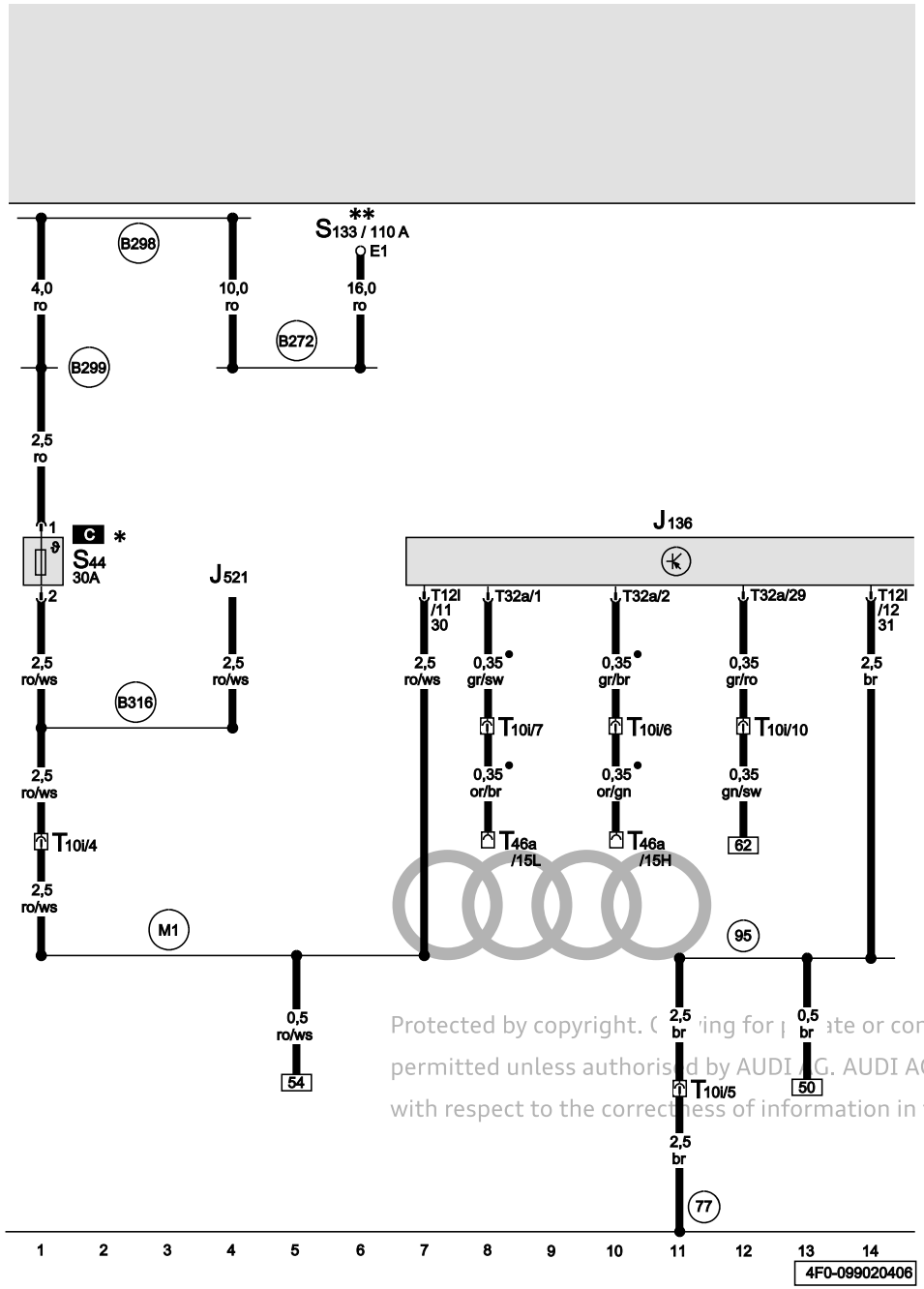
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Seat and steering column adjustment control unit with memory function, driver seat adjustment thermal fuse 1

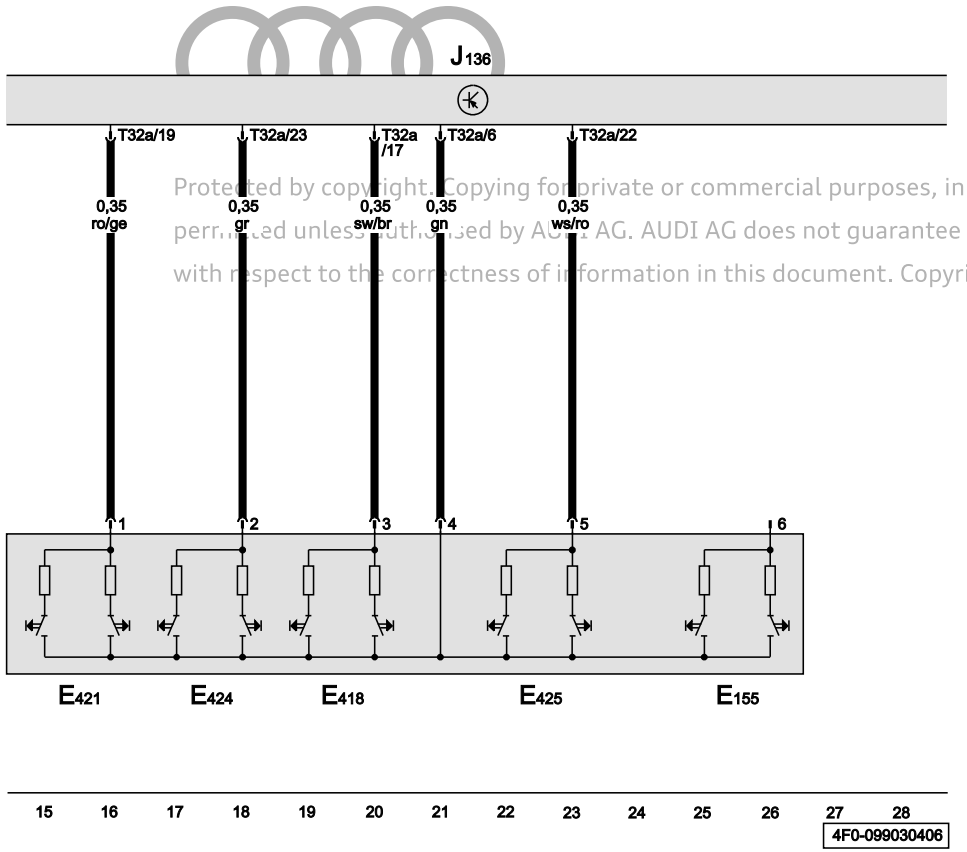
J136	Seat and steering column adjustment control unit with memory function
J521	Front passenger seat adjustment with memory control unit
S44	Driver seat adjustment thermal fuse 1
S133	Fuse 3
T10i	10-pin connector, red, on left of seat cross member
T12l	12-pin connector, on seat adjustment with memory control unit
T32a	32-pin connector, on seat adjustment with memory control unit
T46a	46-pin connector, CAN separating connector left
77	Earth point, lower part of left B-pillar
95	Earth connection 1, in seat adjuster wiring harness
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
B316	Positive connection 2 (30a), in main wiring harness
M1	Positive connection 1 (30), in seat adjustment wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	main fuse box, in luggage compartment, rear right, on the battery

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Seat and steering column adjustment control unit with memory function, head restraint adjustment switch, seat longitudinal adjustment button, rake adjustment button, seat height adjustment button, backrest adjustment button

E155 Head restraint adjustment switch
E418 Seat longitudinal adjustment button
E421 Rake adjustment button
E424 Seat height adjustment button
E425 Backrest adjustment button
J136 Seat and steering column adjustment control unit with memory function
T32a 32-pin connector, on seat adjustment with memory control unit



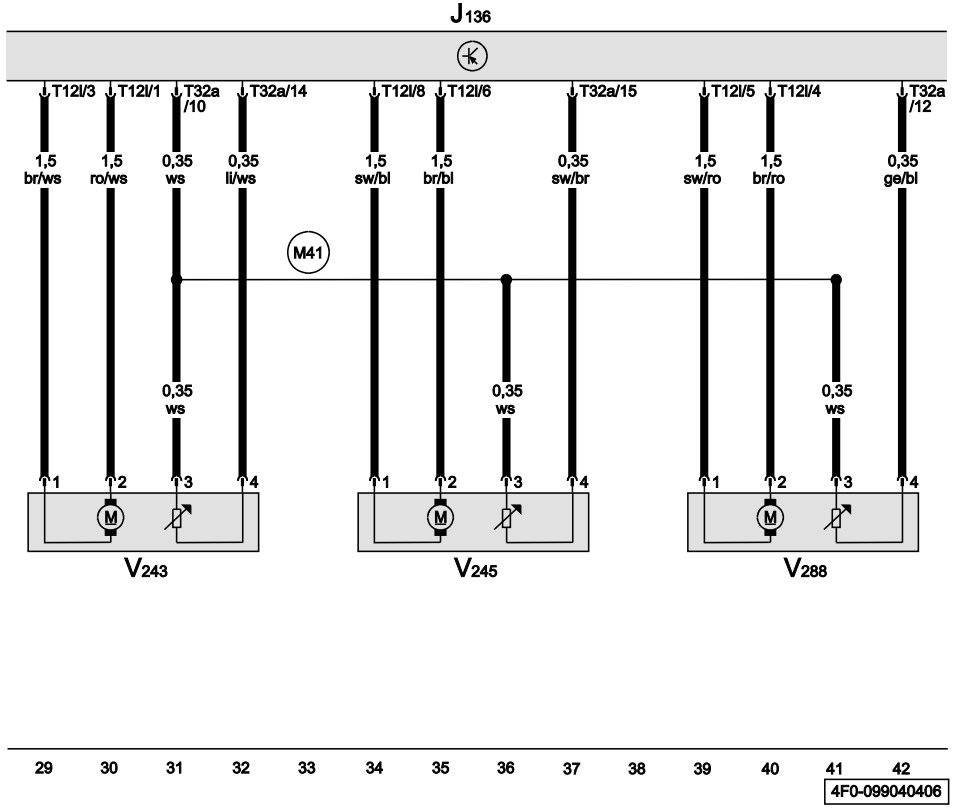
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Seat and steering column adjustment control unit with memory function, driver seat rake adjustment motor, driver seat height adjustment motor, seat longitudinal adjustment motor

J136	Seat and steering column adjustment control unit with memory function
T12l	12-pin connector, on seat adjustment with memory control unit
T32a	32-pin connector, on seat adjustment with memory control unit
V243	Driver seat rake adjustment motor
V245	Driver seat height adjustment motor
V288	Seat longitudinal adjustment motor
M41	Connection 1, in driver seat wiring harness

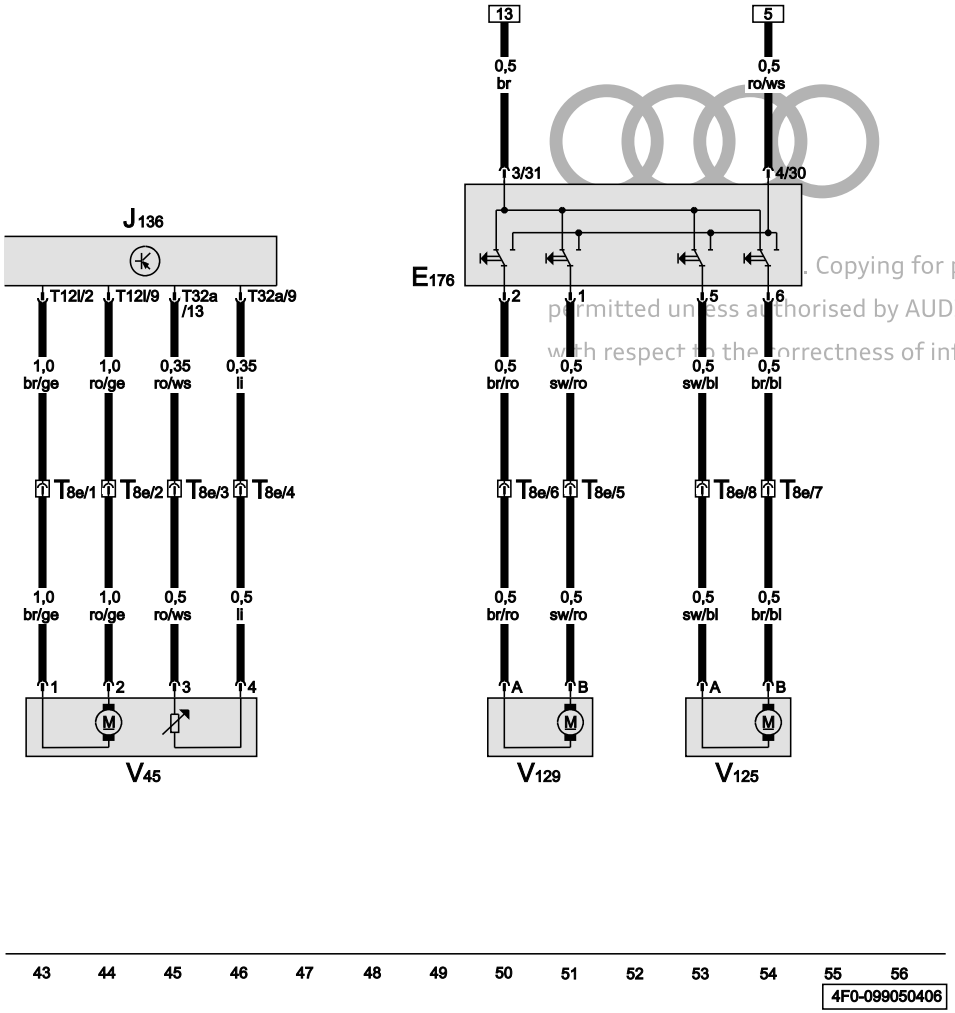
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Seat and steering column adjustment control unit with memory, driver seat lumbar support adjustment switch, driver seat backrest adjustment motor, driver seat lumbar support longitudinal adjustment motor, driver seat lumbar support height adjustment motor

E176	Driver seat lumbar support adjustment switch
J136	Seat and steering column adjustment control unit with memory function
T8e	8-pin connector, in driver seat
T12l	12-pin connector, on seat adjustment with memory control unit
T32a	32-pin connector, on seat adjustment with memory control unit
V45	Driver seat backrest adjustment motor
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor

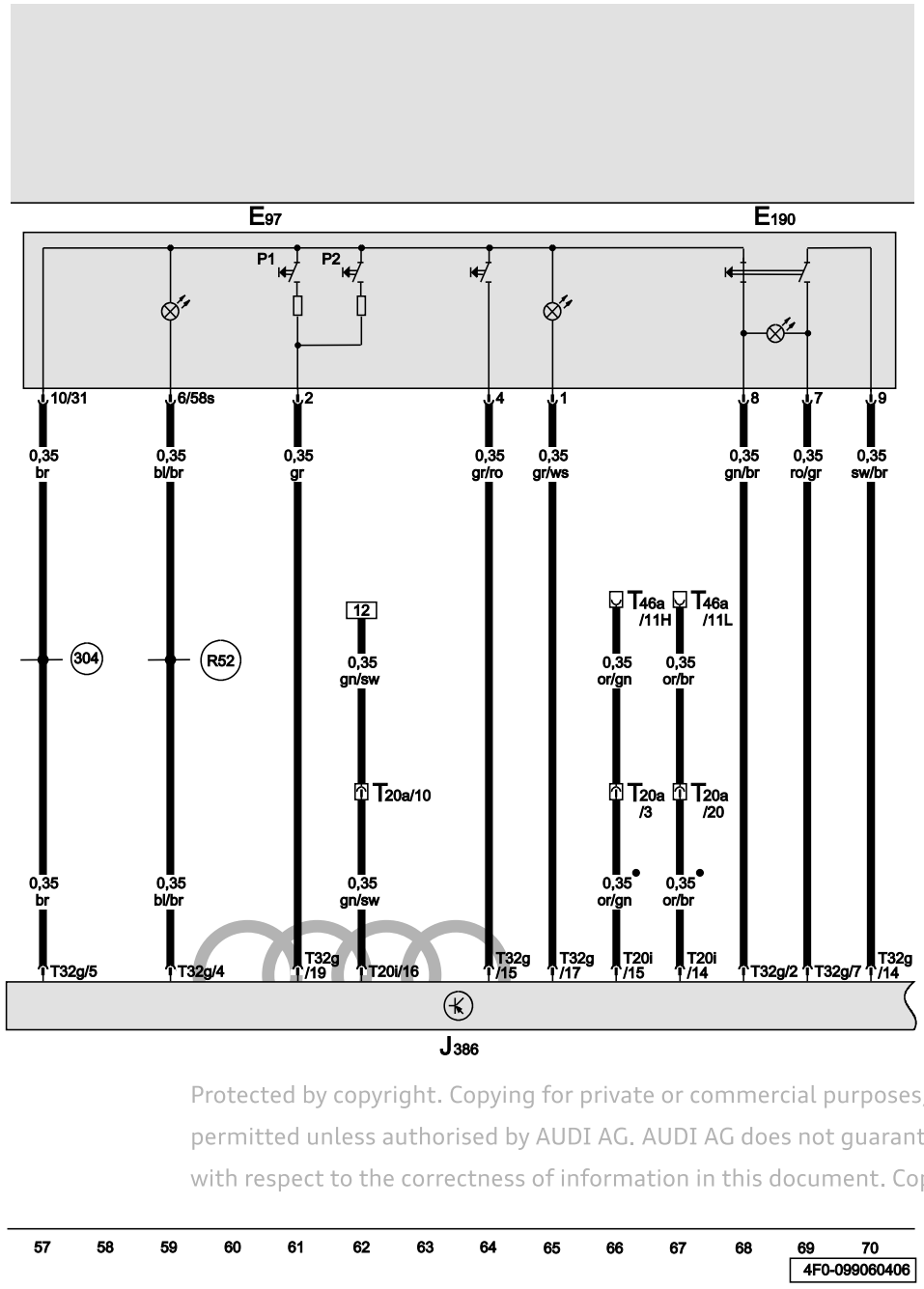


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Driver seat memory operating unit, emergency-off button, driver door control unit

E97	Driver seat memory operating unit
E190	Emergency-off button
J386	Driver door control unit
T20a	20-pin connector, black, left A-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit
T46a	46-pin connector, CAN separating connector left
304	Earth connection 3, in door wiring harness
R52	Connection (58s), in driver side door wiring harness
•	CAN bus (data wire)



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Electric seat adjustment without memory driver seat, electric seat adjustment without memory front passenger

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Driver seat adjustment switch, driver seat adjustment motors, driver seat adjustment thermal fuse 1

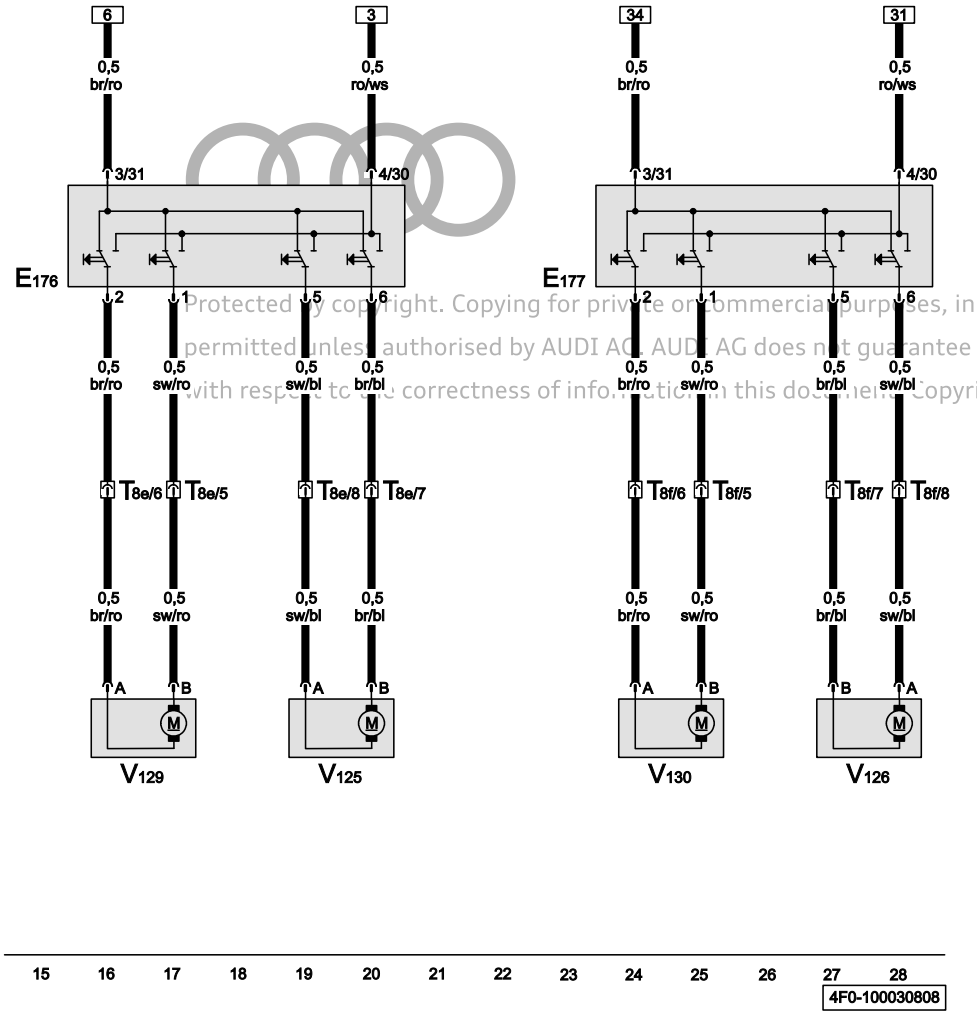
E96	Driver seat backrest adjustment switch
E222	Driver seat rake adjustment switch
E363	Driver seat longitudinal adjustment switch
E364	Driver seat height adjustment switch
S44	Driver seat adjustment thermal fuse 1
S133	Fuse 3
T4ac	4-pin connector, on seat adjustment switch
T8e	8-pin connector, in driver seat
T10i	10-pin connector, red, on left of seat cross member
T10aa	10-pin connector, on seat adjustment switch
V45	Driver seat backrest adjustment motor
V243	Driver seat rake adjustment motor
V245	Driver seat height adjustment motor
V288	Seat longitudinal adjustment motor
77	Earth point, lower part of left B-pillar
95	Earth connection 1, in seat adjuster wiring harness
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
B316	Positive connection 2 (30a), in main wiring harness
M1	Positive connection 1 (30), in seat adjustment wiring harness
*	9-point relay carrier, behind driver storage compartment
**	main fuse box, in luggage compartment, rear right, on the battery

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Driver seat lumbar support adjustment switch, front passenger seat lumbar support adjustment switch, driver seat and front passenger seat lumbar support longitudinal adjustment motors, driver seat and front passenger seat lumbar support height adjustment motors

E176	Driver seat lumbar support adjustment switch
E177	Front passenger seat lumbar support adjustment switch
T8e	8-pin connector, in driver seat
T8f	8-pin connector, in front passenger seat
V125	Driver seat lumbar support longitudinal adjustment motor
V126	Front passenger seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor
V130	Front passenger seat lumbar support height adjustment motor

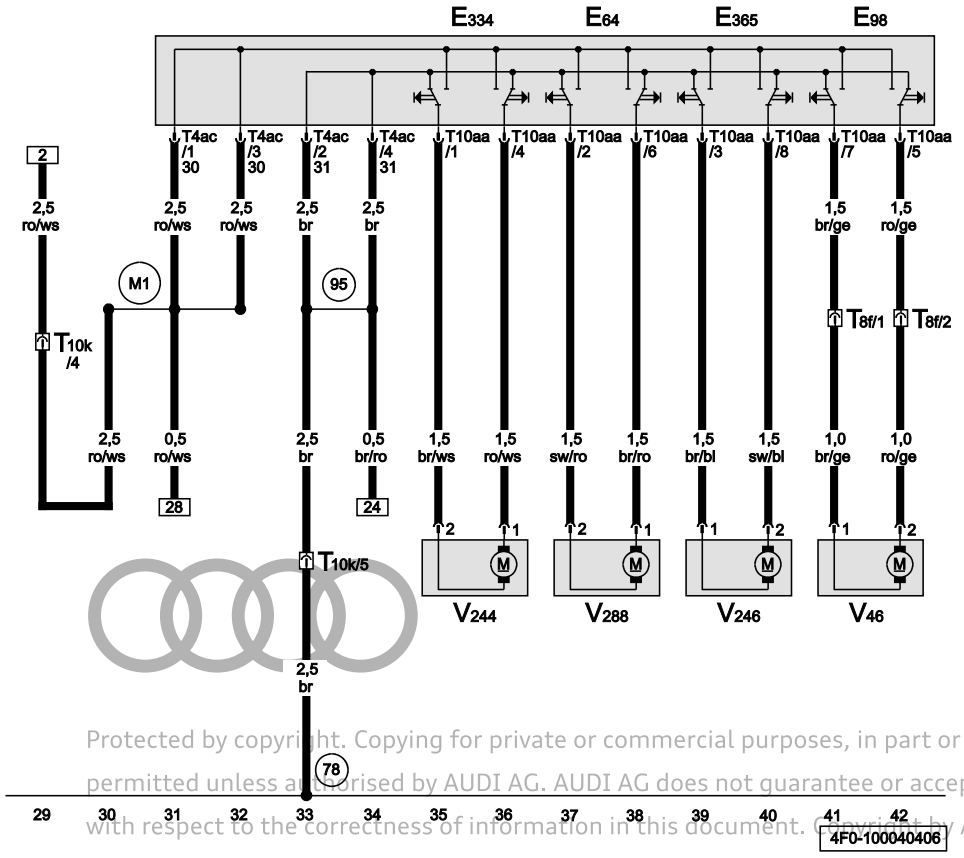


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Front passenger seat adjustment switch, front passenger seat adjustment motors, front passenger seat adjustment thermal fuse 1

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
T4ac	4-pin connector, on seat adjustment switch
T8f	8-pin connector, in front passenger seat
T10k	10-pin connector, red, on right of seat cross member
T10aa	10-pin connector, on seat adjustment switch
V46	Front passenger seat backrest adjustment motor
V244	Front passenger seat rake adjustment motor
V246	Front passenger seat height adjustment motor
V288	Seat longitudinal adjustment motor
78	Earth point, lower part of right B-pillar
95	Earth connection 1, in seat adjuster wiring harness
M1	Positive connection 1 (30), in seat adjustment wiring harness



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Taxi

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

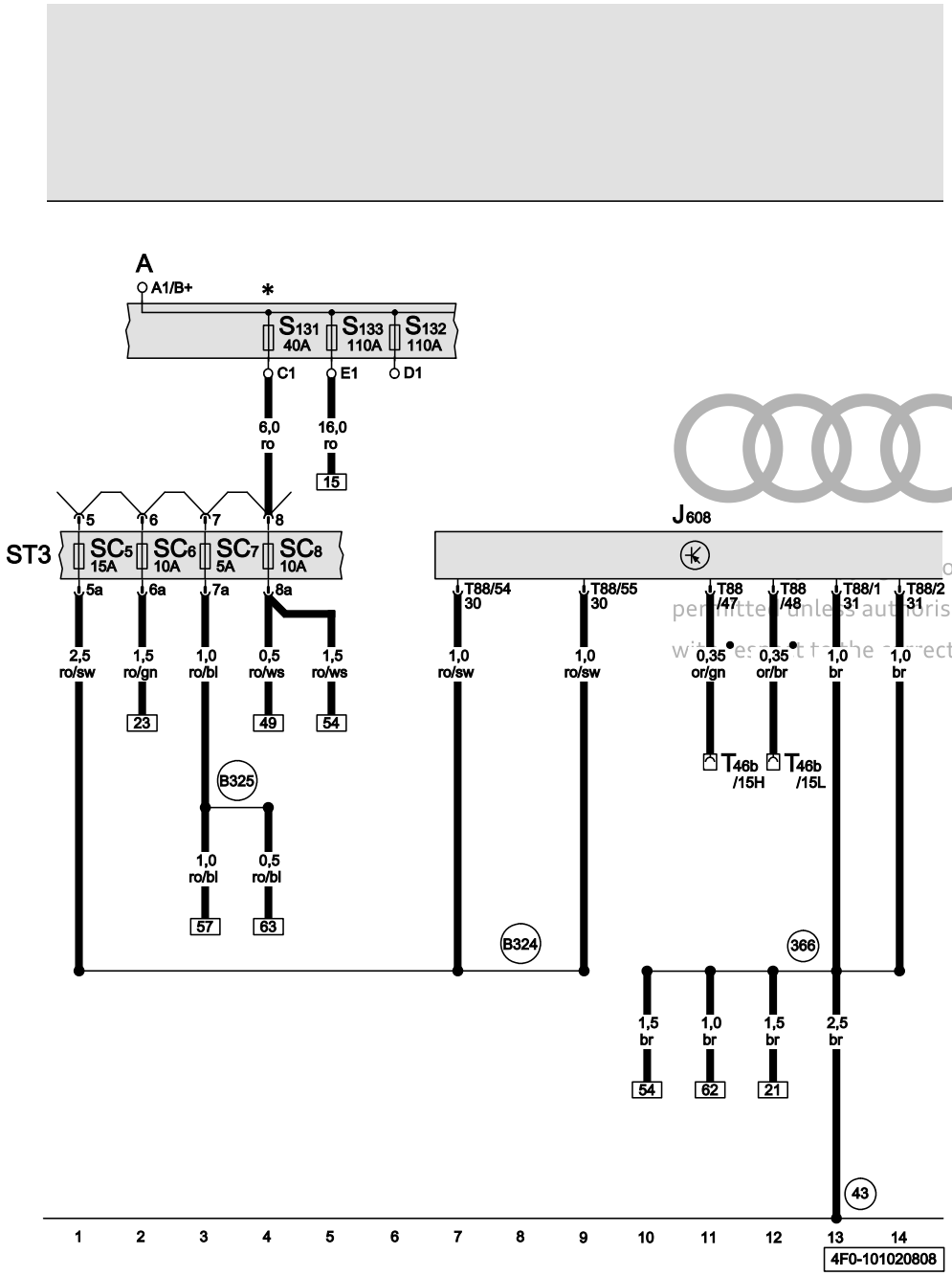
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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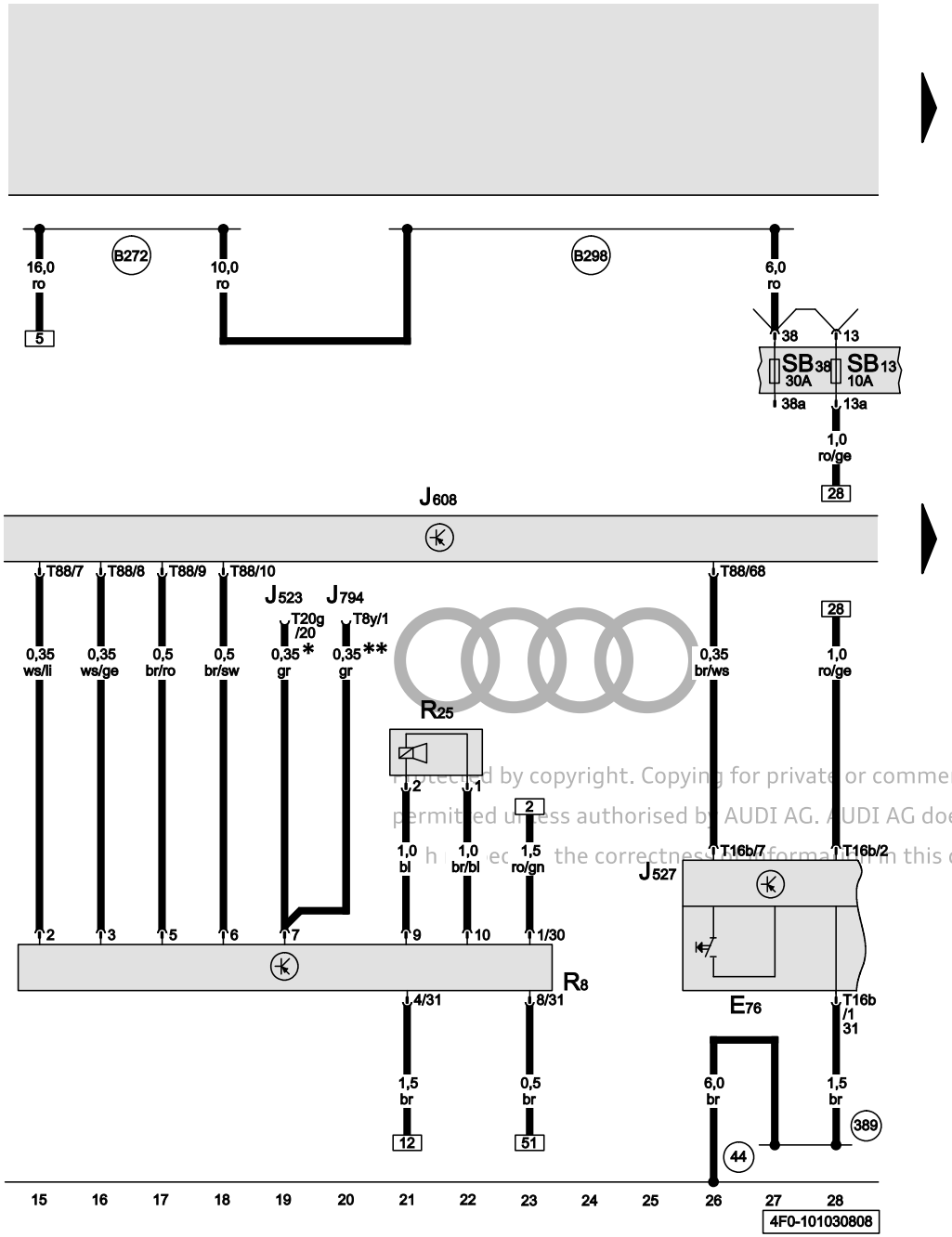


Special vehicle control unit, fuses

A	Battery
J608	Special vehicle control unit
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SC5	Fuse 5 on fuse holder C
SC6	Fuse 6 on fuse holder C
SC7	Fuse 7 on fuse holder C
SC8	Fuse 8 on fuse holder C
T46b	46-pin connector, CAN separating connector right
T88	88-pin connector, on special vehicle control unit
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
B324	Positive connection 10 (30a), in main wiring harness
B325	Positive connection 11 (30a), in main wiring harness
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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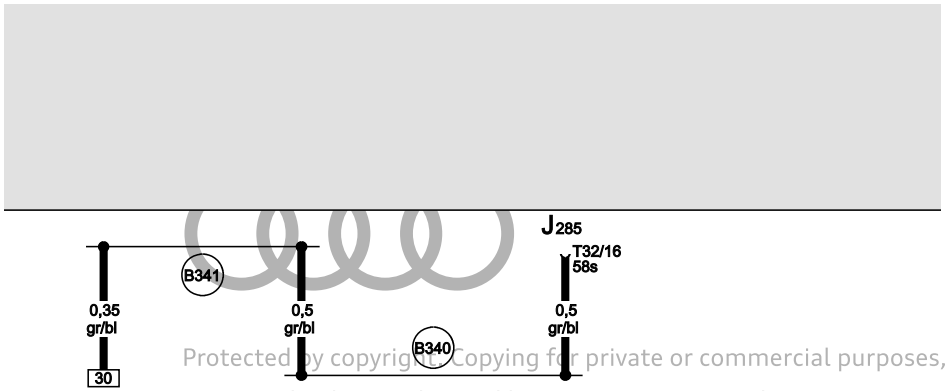


Special vehicle control unit, two-way radio, two-way radio loudspeaker

E76	Two-way radio button
J523	Front information display and operating unit control unit
J527	Steering column electronics control unit
J608	Special vehicle control unit
J794	Control unit 1 for information electronics
R8	Two-way radio
R25	Two-way radio loudspeaker
SB13	Fuse 13 on fuse holder B
SB38	Fuse 38 on fuse holder B
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T16b	16-pin connector, behind steering column switch trim
T20g	20-pin connector, red, connector A, on front information display and operating unit control unit
T88	88-pin connector, on special vehicle control unit
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
*	up to August 2008
**	from September 2008

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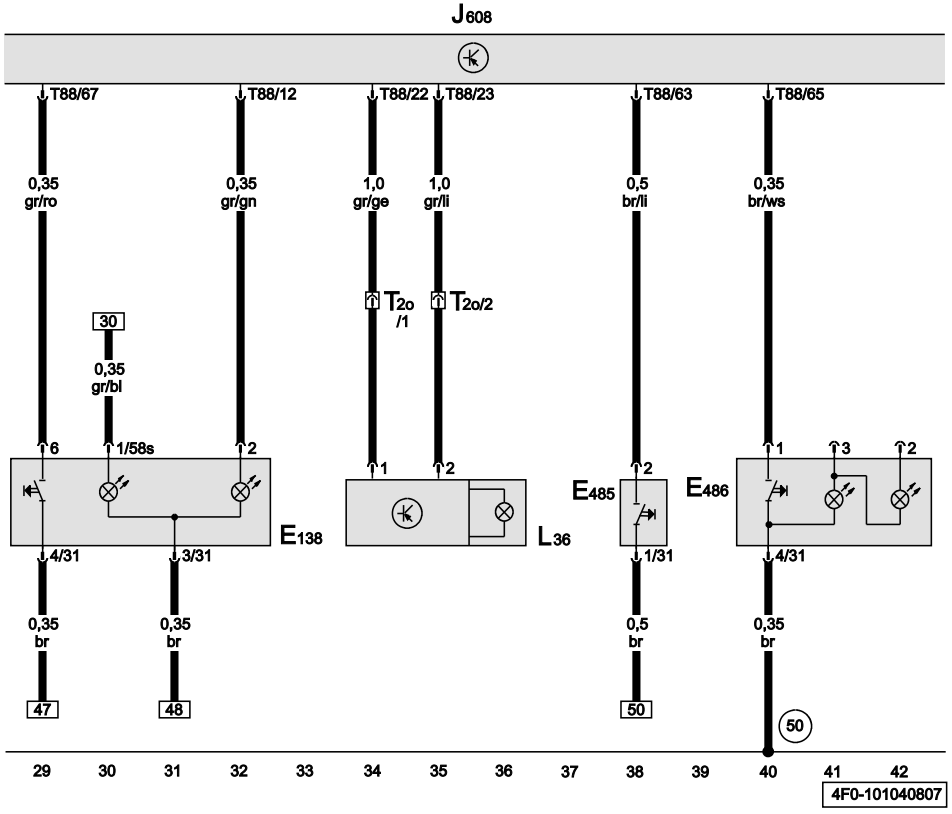
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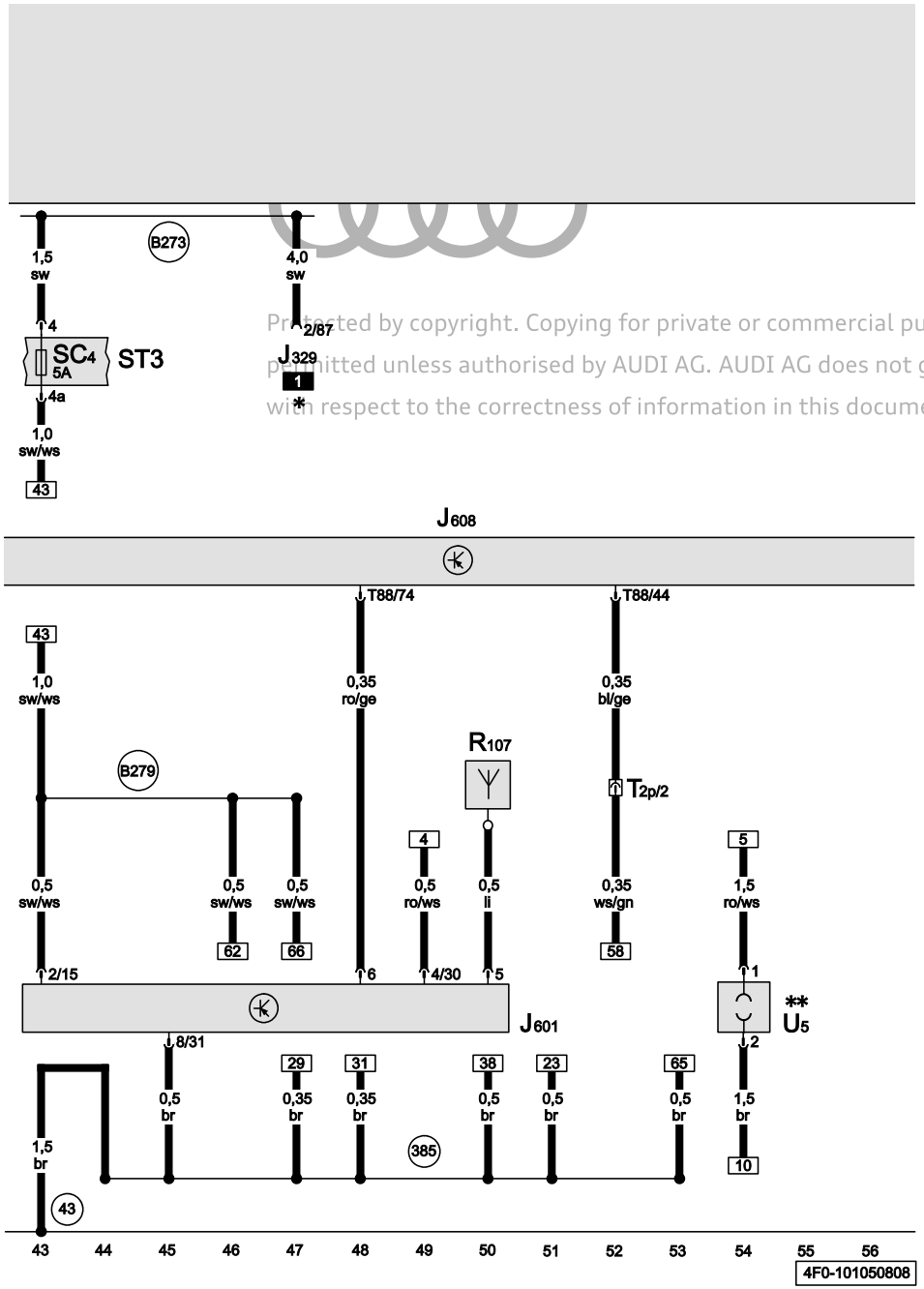
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Special vehicle control unit, taxi sign switch, taxi roof sign light bulb, taxi alarm active button, taxi alarm off button

E138	Taxi sign switch
E485	Taxi alarm active button
E486	Taxi alarm off button
J285	Control unit in dash panel insert
J608	Special vehicle control unit
L36	Taxi roof sign light bulb
T2o	2-pin connector, black, on left B-pillar
T32	32-pin connector, grey, on dash panel insert
T88	88-pin connector, on special vehicle control unit
50	Earth point, on left in luggage compartment
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness



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Special vehicle control unit, taxi alarm remote control, control unit, 12 V socket

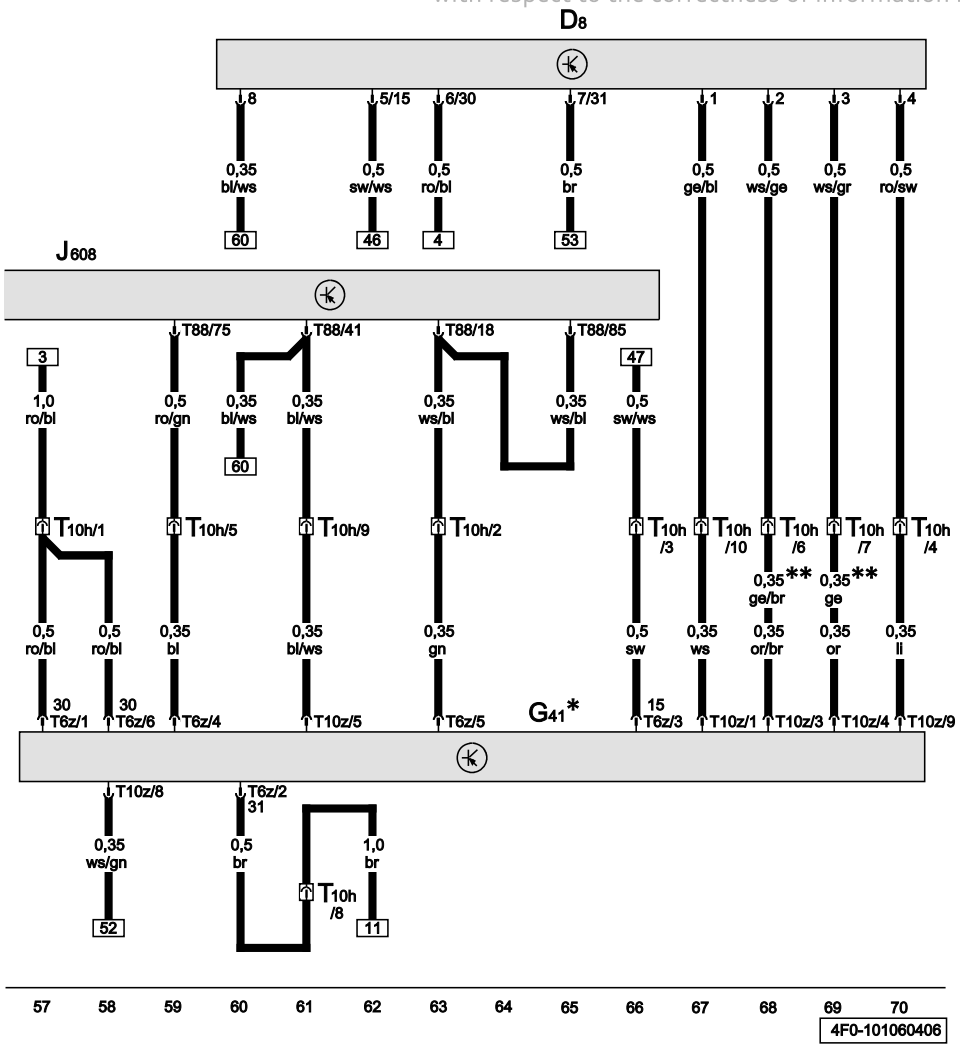
J329	Terminal 15 voltage supply relay
J601	Taxi alarm remote control, control unit
J608	Special vehicle control unit
R107	Remote controlled taxi alarm aerial
SC4	Fuse 4 on fuse holder
T2p	2-pin connector, black, behind the dash panel, right
T88	88-pin connector, on special vehicle control unit
U5	12 V socket
43	Earth point, lower part of right A-pillar
385	Earth connection 20, in main wiring harness
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
*	9-point relay carrier, behind driver storage compartment
**	in glove box

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Special vehicle control unit, taxi meter, (above windscreen), chip card reader

D8	Chip card reader
G41	Taxi meter
J608	Special vehicle control unit
T6z	6-pin connector, on taxi meter, above windscreen
T10h	10-pin connector, pink, coupling station on right of A-pillar
T10z	10-pin connector, on taxi meter, above windscreen
T88	88-pin connector, on special vehicle control unit
*	Taxi meter above windscreen
**	phased-in modification

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Optimal equipment, police, German special police

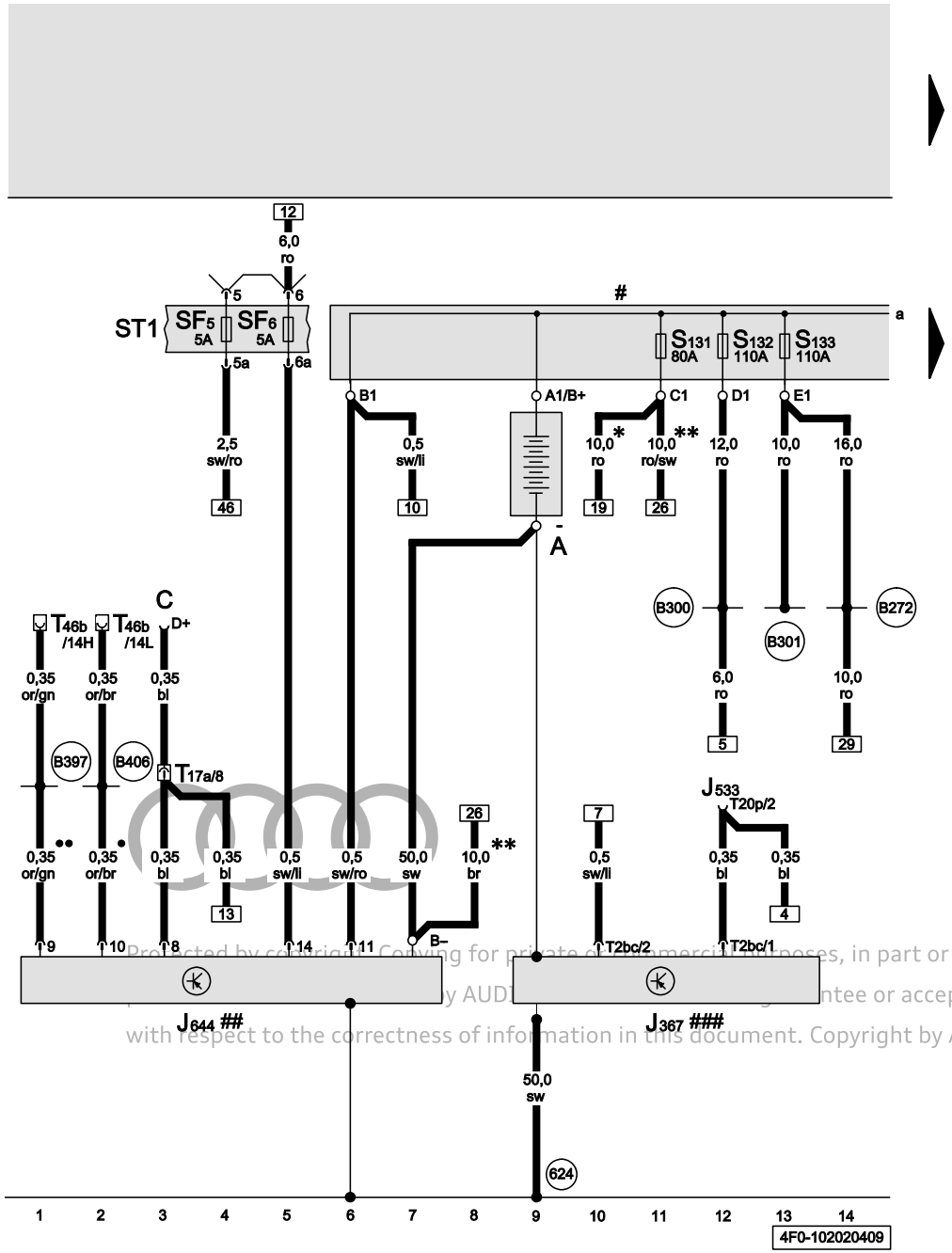
⇒ **Radio system**
⇒ **Special signal system**
⇒ **Tachograph**
from model year 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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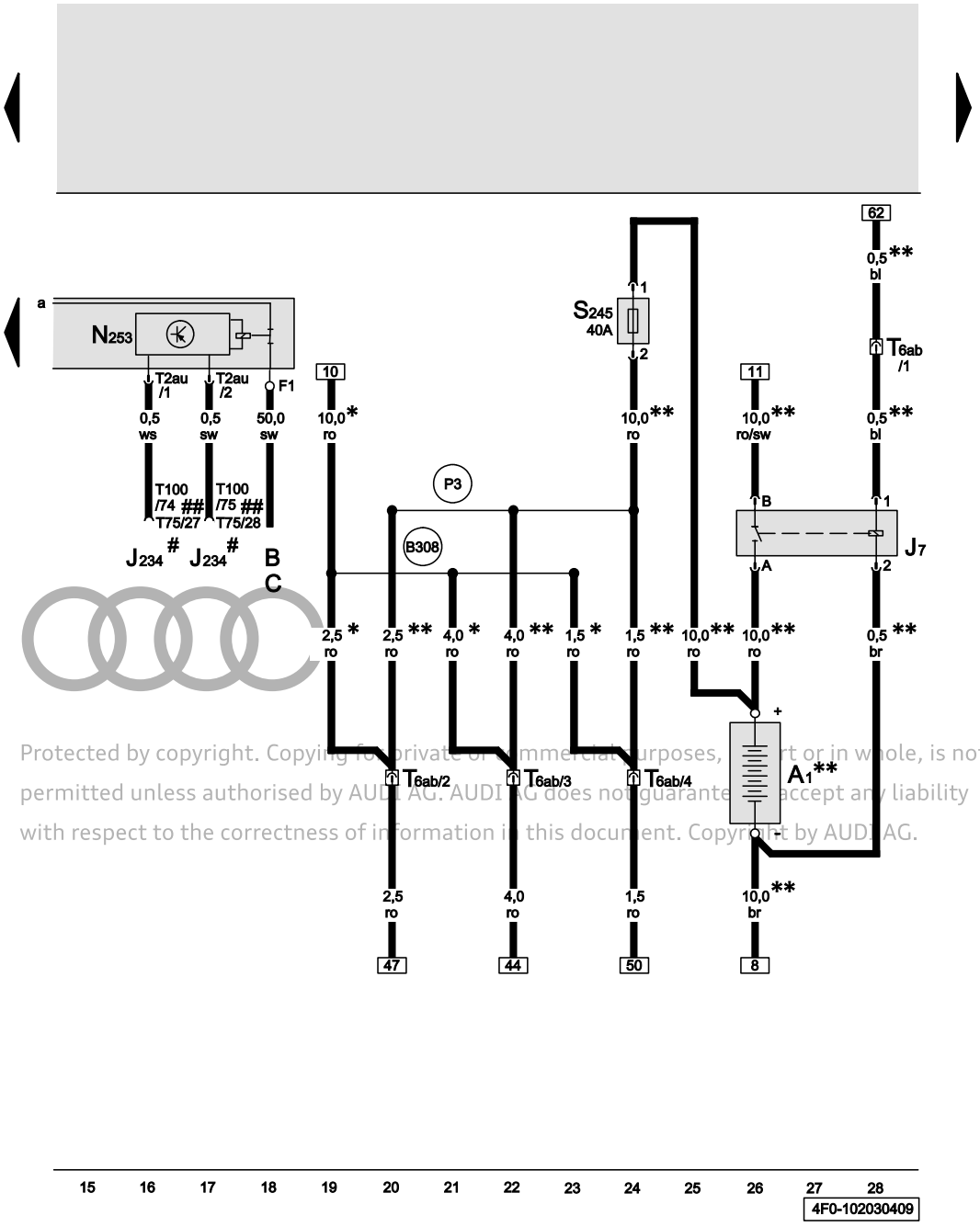
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Battery, energy management control unit, battery monitor control unit, fuses

A	Battery
J367	Battery monitor control unit
J533	Data bus diagnostic interface
J644	Energy management control unit
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF5	Fuse 5 on fuse holder F
SF6	Fuse 6 on fuse holder F
T2bc	2-pin connector, yellow, on battery monitor control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
T46b	46-pin connector, CAN disconnector right
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	models without second battery
**	models with second battery
#	main fuse carrier in luggage compartment, rear right, on the battery
##	up to May 2008
###	from June 2008

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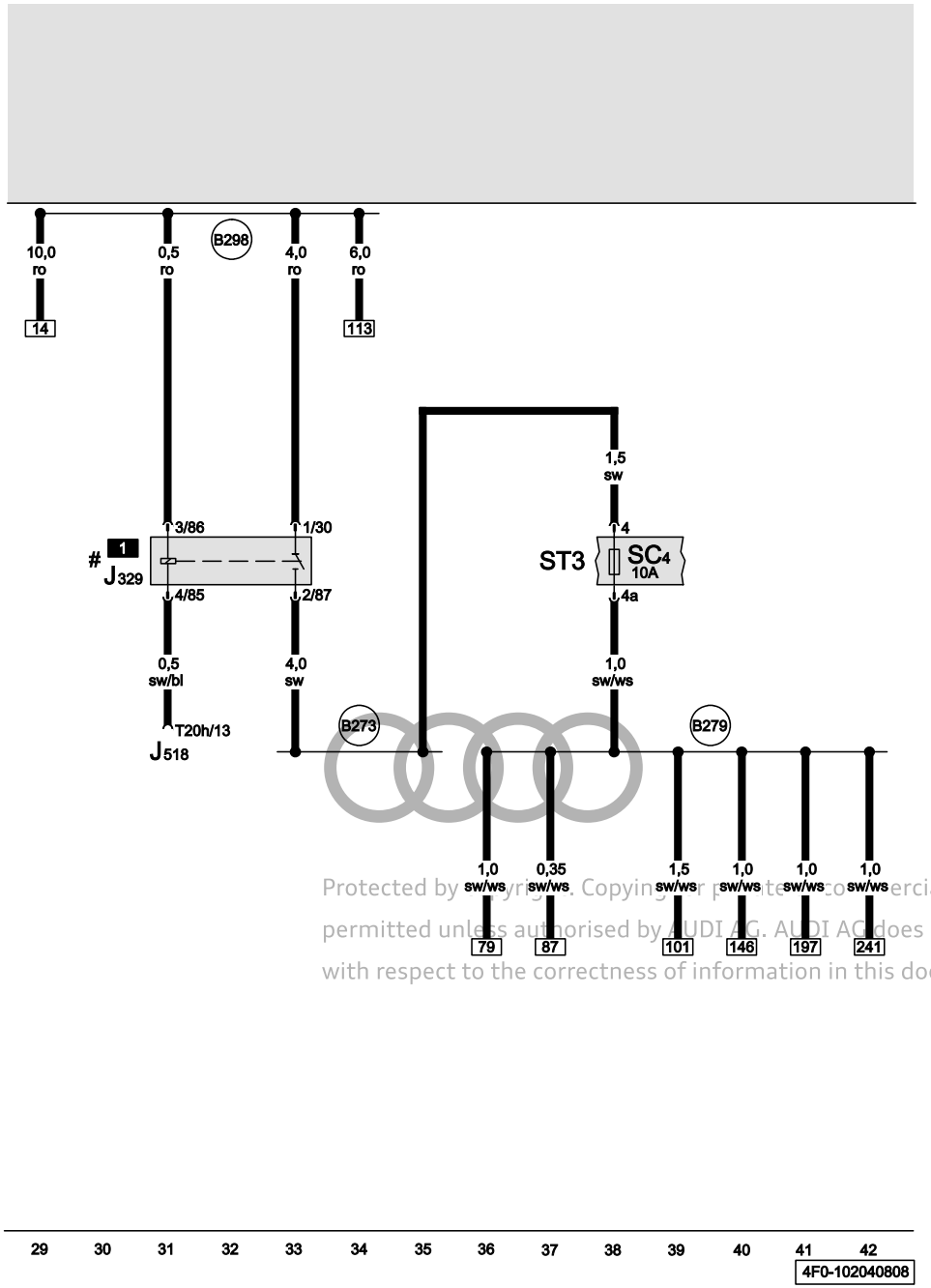
Second battery, battery isolation relay, optional equipment main fuse, battery isolation igniter



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A1	Second battery
B	Starter
C	Alternator
J7	Battery isolation relay
J234	Airbag control unit
N253	Battery isolation igniter
S245	Optional equipment main fuse
T2au	2-pin connector, purple, on battery isolation igniter
T6ab	6-pin connector, pink, on right in luggage compartment
T75	75-pin connector, grey, on airbag control unit
T100	100-pin connector, blue, on airbag control unit
B308	Positive connection 12 (30), in main wiring harness
P3	Positive connection (30), in 2nd battery wiring harness
*	models without second battery
**	models with second battery
#	up to May 2008
##	from June 2008

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or	=	orange
rs	=	pink

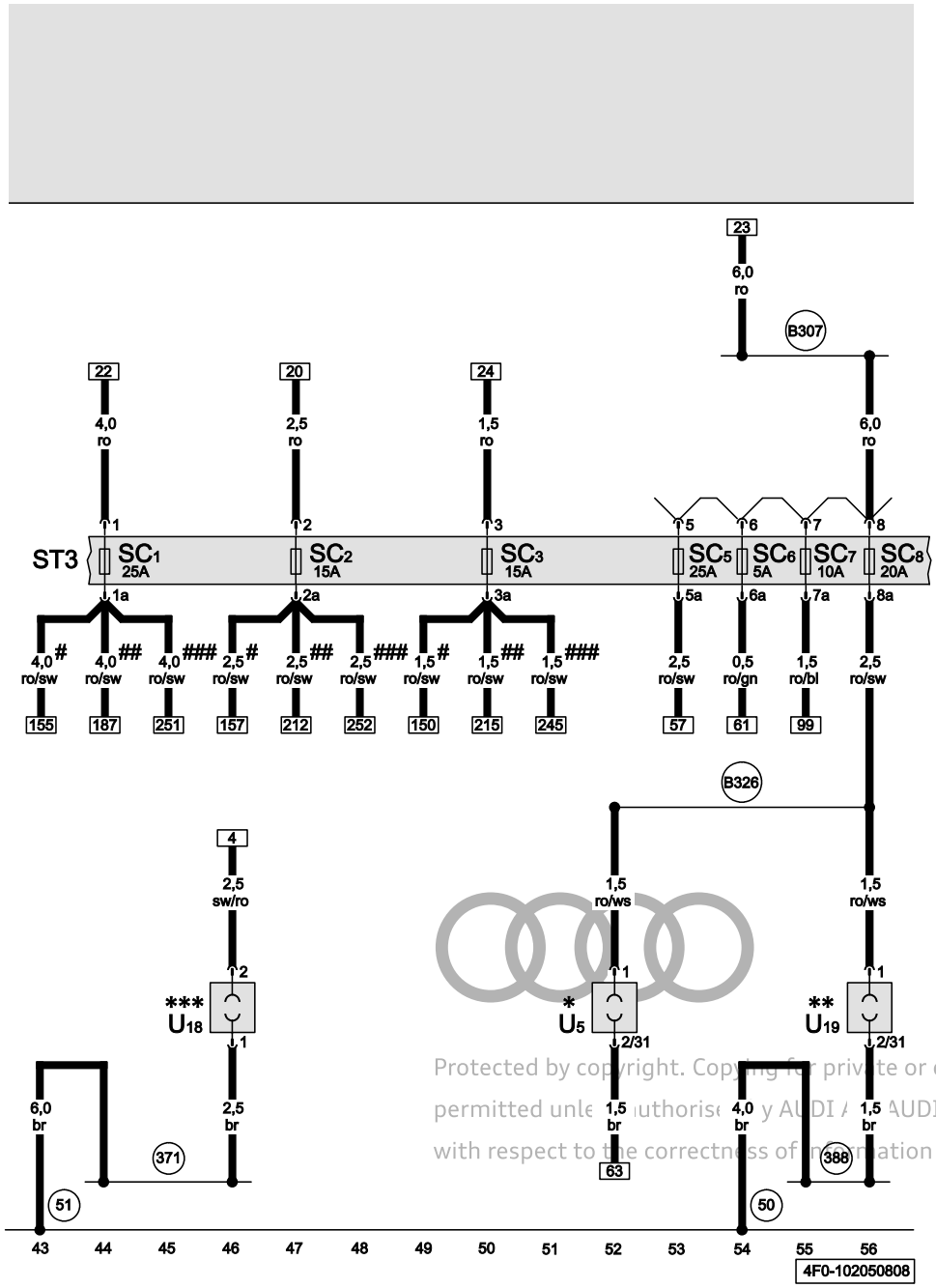


Terminal 15 voltage supply relay, fuse

J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
SC4	Fuse 4 on fuse holder C
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
#	9-point relay carrier, behind driver storage compartment

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rs	=	pink

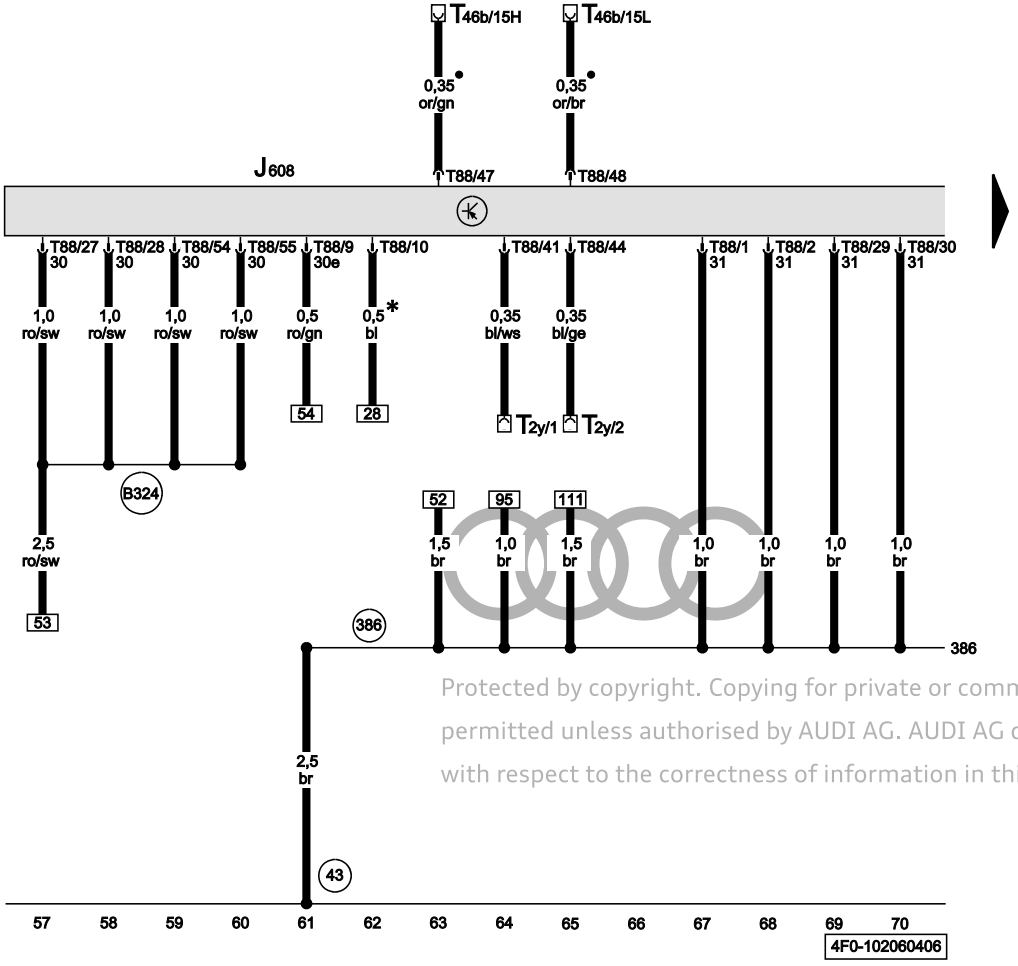


Fuses, 12 V socket

SC1	Fuse 1 on fuse holder C
SC2	Fuse 2 on fuse holder C
SC3	Fuse 3 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
SC8	Fuse 8 on fuse holder C
U5	12 V socket
U18	12 V socket 2
U19	12 V socket 3
50	Earth point, on left in luggage compartment
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
B307	Positive connection 11 (30), in main wiring harness
B326	Positive connection 12 (30a), in main wiring harness
*	in front passenger footwell on centre console
**	on left in luggage compartment
***	on right in luggage compartment
#	signal system DKL German special police
##	Signal system Topas
###	Signal system RTK 6

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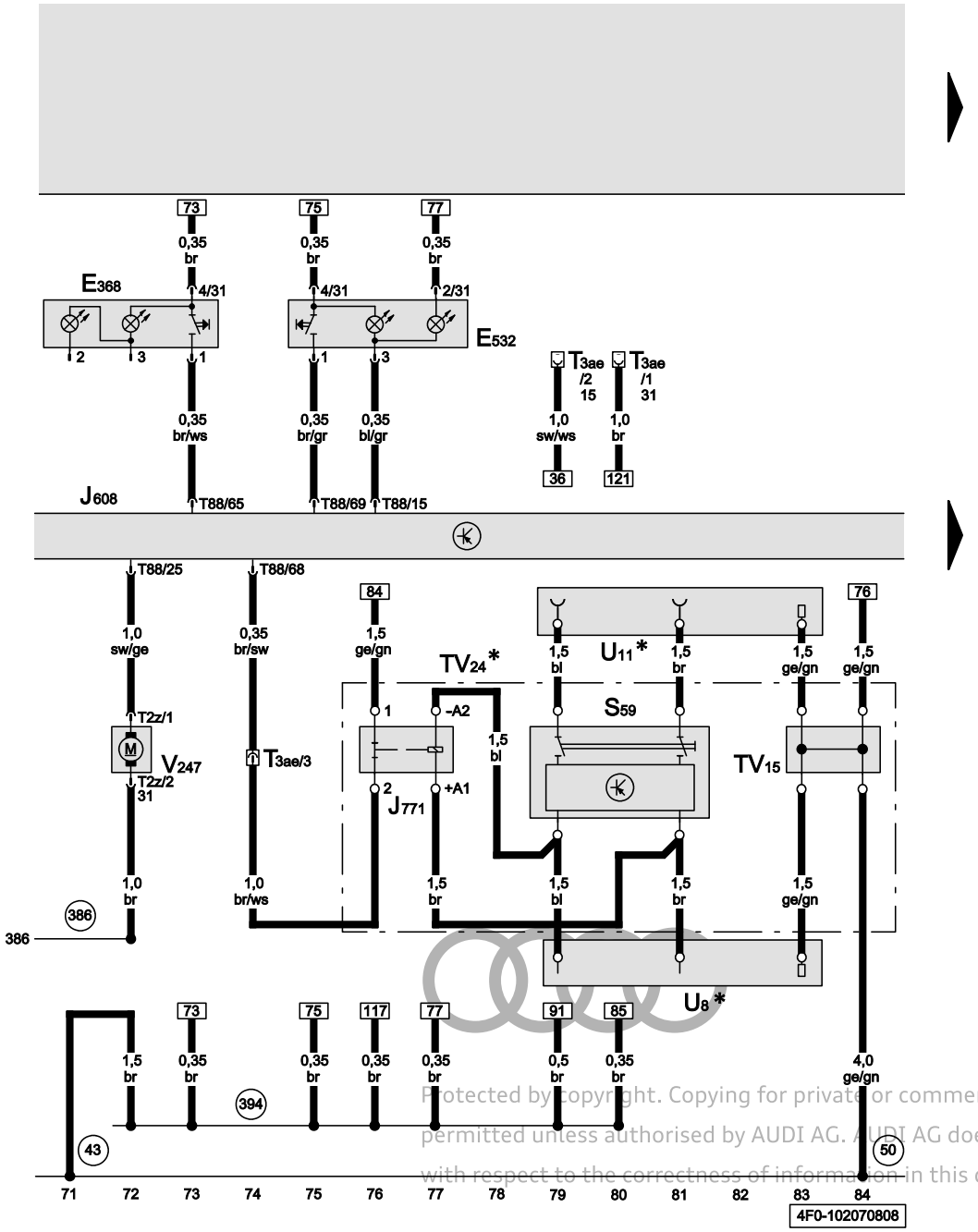


Special vehicle control unit

J608	Special vehicle control unit
T2y	2-pin connector, black, connector LIN bus, in glove box
T46b	46-pin connector, CAN disconnector right
T88	88-pin connector, black, on special vehicle control unit
43	Earth point, lower part of right A-pillar
386	Earth connection 21, in main wiring harness
B324	Positive connection 10 (30a), in main wiring harness
•	CAN bus (data wire)
*	models with second battery

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rs	=	pink



Special vehicle control unit, weapons box button, button to deactivate interior lights, exterior socket, 230 V, 110 V, interior socket, 230 V, 110 V

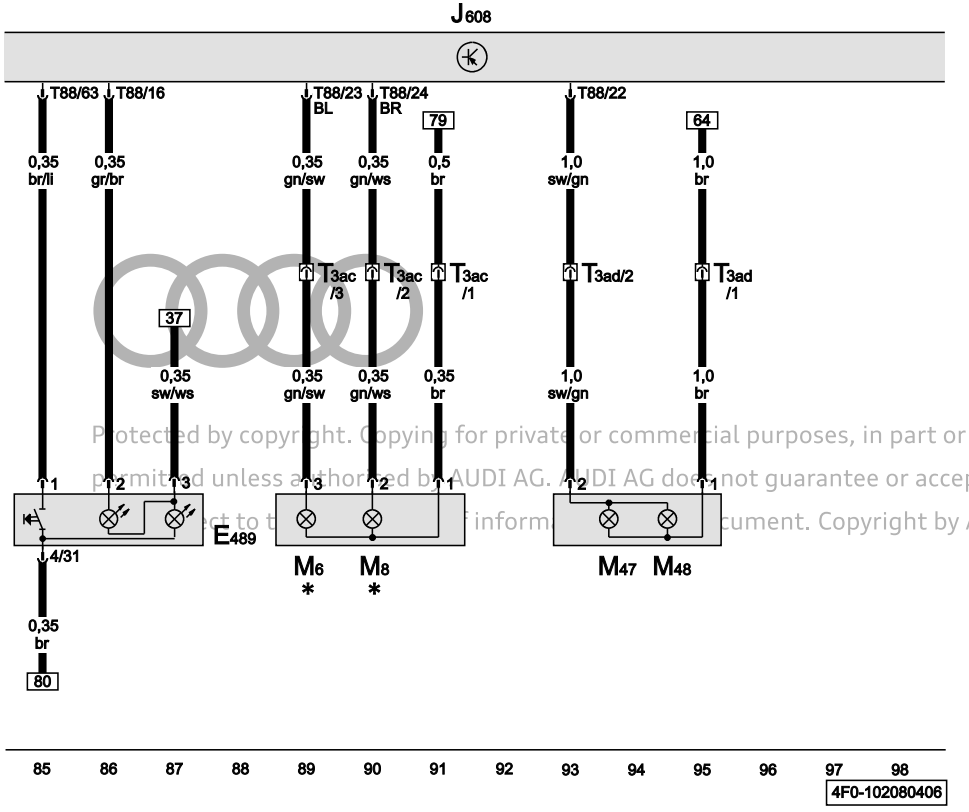
E368	Weapons box button
E532	Button to deactivate interior lights
J608	Special vehicle control unit
J771	Blocking relay
S59	220 V automatic personnel protection circuit breaker
T2z	2-pin connector, green, on weapons box lock motor
T3ae	3-pin connector, black, transformer with socket, on left in luggage compartment
T88	88-pin connector, black, on special vehicle control unit
TV15	Wiring connector
TV24	Distribution box
U8	230 V external socket, 220 V, 110 V
U11	Interior socket, 230 V, 110 V
V247	Weapons box lock motor
43	Earth point, lower part of right A-pillar
50	Earth point, on left in luggage compartment
386	Earth connection 21, in main wiring harness
394	Earth connection 29, in main wiring harness
*	only casualty doctor equipment

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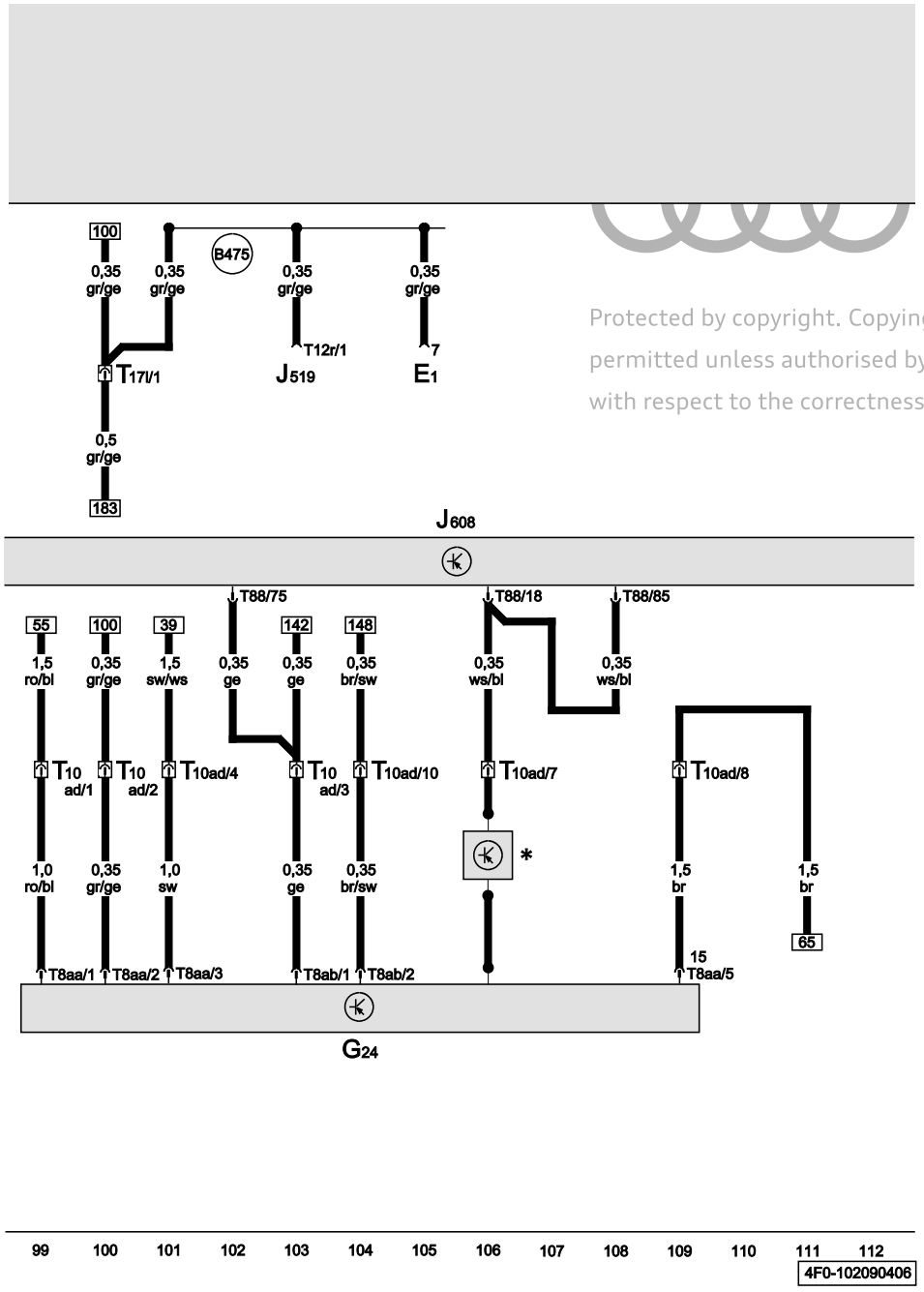
Special vehicle control unit, engine continues to run without key button, rear left and right turn signal bulb, left and right flashing light

E489	Engine continues to run without key button (engine continues to run)
J608	Special vehicle control unit
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M47	Left flashing light
M48	Right flashing light
T3ac	3-pin connector, black, on right in luggage compartment
T3ad	3-pin connector, red, on right in luggage compartment
T88	88-pin connector, black, on special vehicle control unit in rear lid
*	



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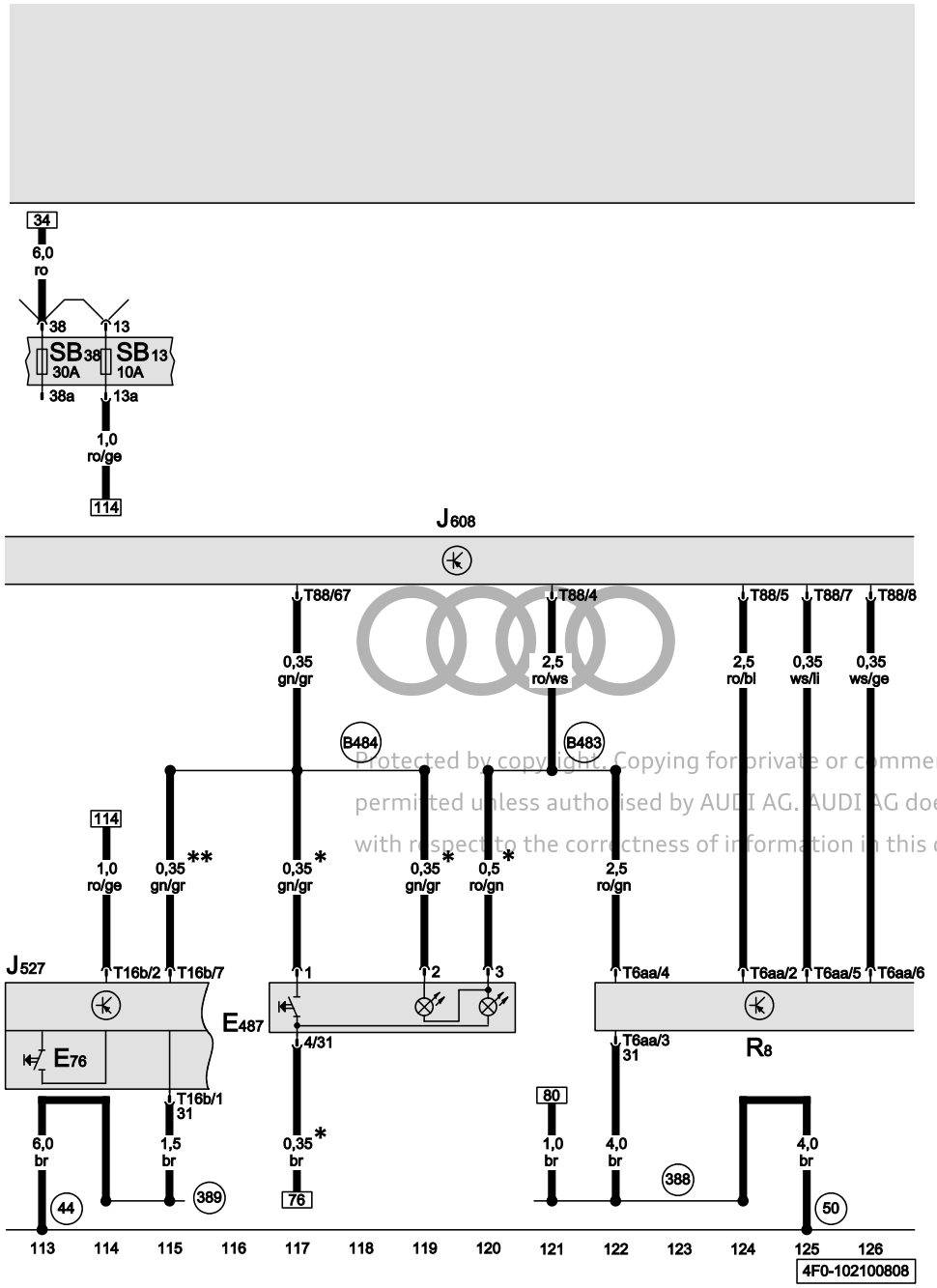


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Special vehicle control unit, tachograph

E1	Light switch
G24	Tachograph
J519	Onboard supply control unit
J608	Special vehicle control unit
T8aa	8-pin connector, on tachograph
T8ab	8-pin connector, on tachograph
T10ad	10-pin connector, black, interchange connector tachographr
T12r	12-pin connector, black, connector B, on onboard power supply control unit
T17l	17-pin connector, brown, coupling station on right of A-pillar
T88	88-pin connector, black, on special vehicle control unit
51	Earth point, on right in luggage compartment
B475	Connection 11 in main wiring harness
*	V-signal coding

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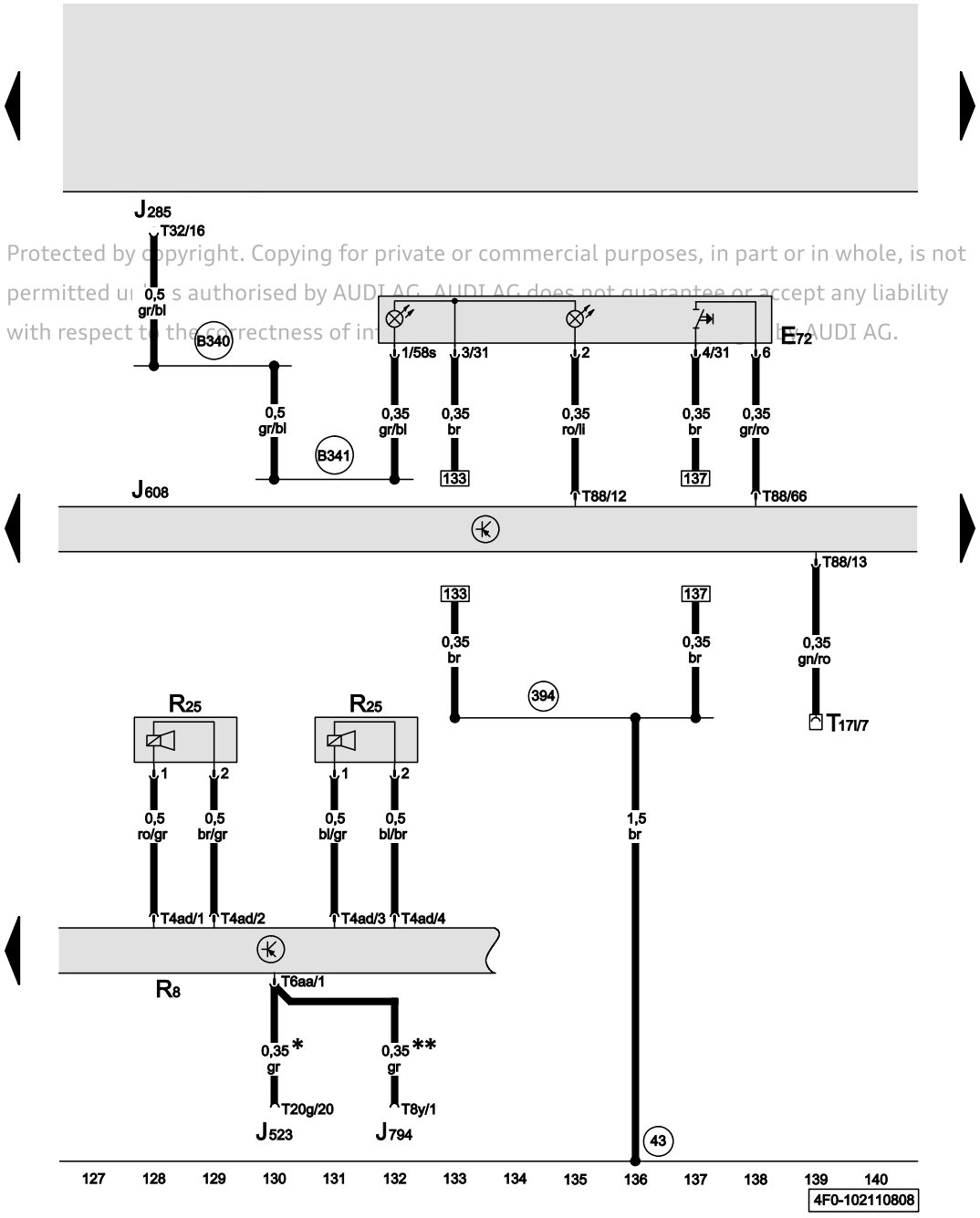


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Special vehicle control unit, two-way radio, hands-free system button, two-way radio button

E76	Two-way radio button
E487	Hands-free system button
J527	Steering column electronics control unit
J608	Special vehicle control unit
R8	Two-way radio
SB13	Fuse 13 on fuse holder B
SB38	Fuse 38 on fuse holder B
T6aa	6-pin connector, black, on two-way radio
T16b	16-pin connector, behind steering column switch trim
T88	88-pin connector, black, on special vehicle control unit
44	Earth point, lower part of left A-pillar
50	Earth point, on left in luggage compartment
388	Earth connection 23, in main wiring harness
389	Earth connection 24, in main wiring harness
B483	Connection 19 in main wiring harness
B484	Connection 20 in main wiring harness
*	models with hands-free system button
**	models with two-way radio button on steering column switch

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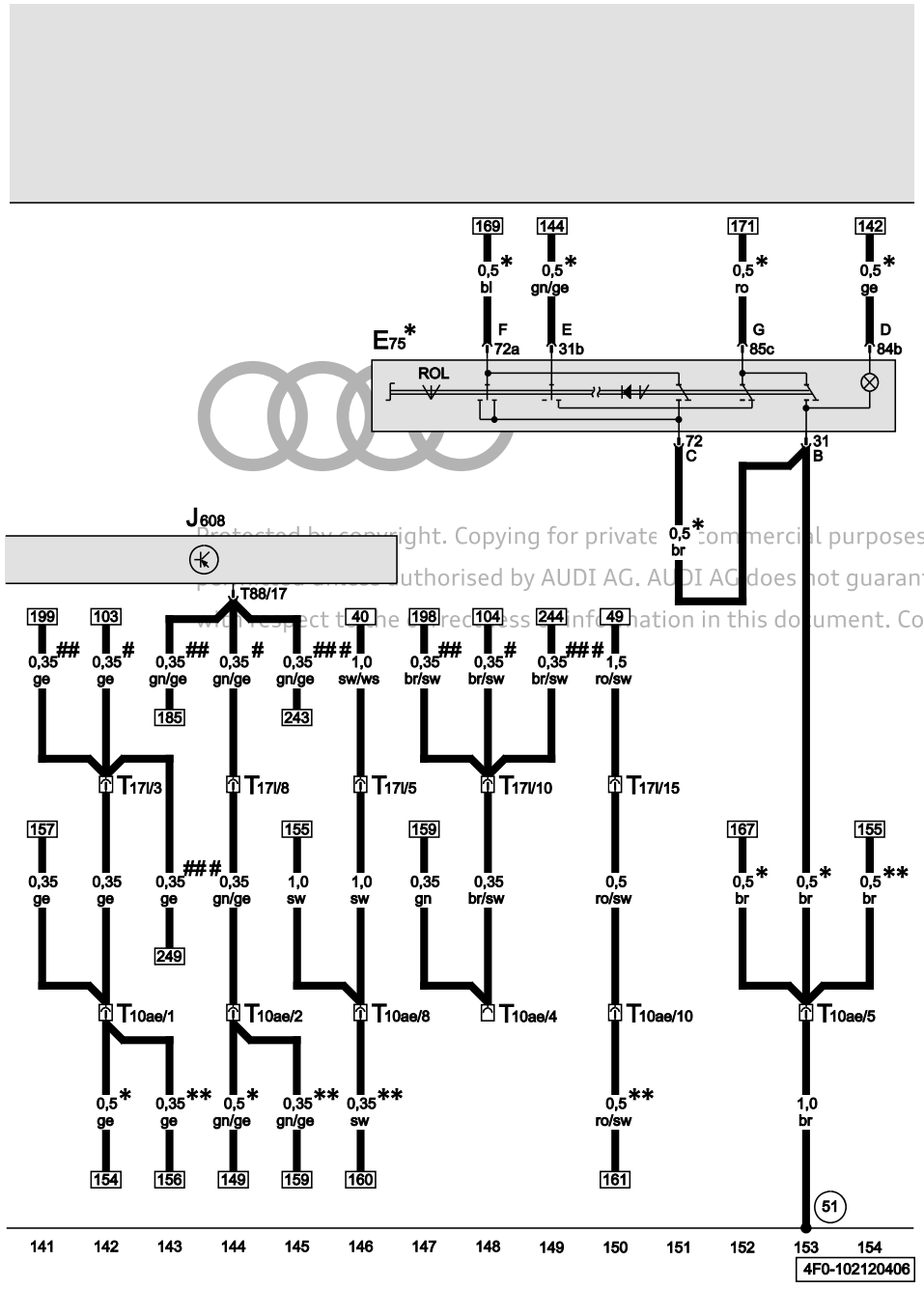
Special vehicle control unit, two-way radio, 2-way radio switch, two-way radio loudspeaker

E72	2-way radio switch
J285	Control unit in dash panel insert
J608	Special vehicle control unit
J794	Control unit for information electronics 1
R8	Two-way radio
R25	Two-way radio loudspeaker
T4ad	4-pin connector, on two-way radio
T6aa	6-pin connector, black, on two-way radio
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T17l	17-pin connector, brown, coupling station on right of A-pillar
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T88	88-pin connector, black, on special vehicle control unit
43	Earth point, lower part of right A-pillar
394	Earth connection 29, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	up to August 2008
**	from September 2008

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signal system DKL German special police

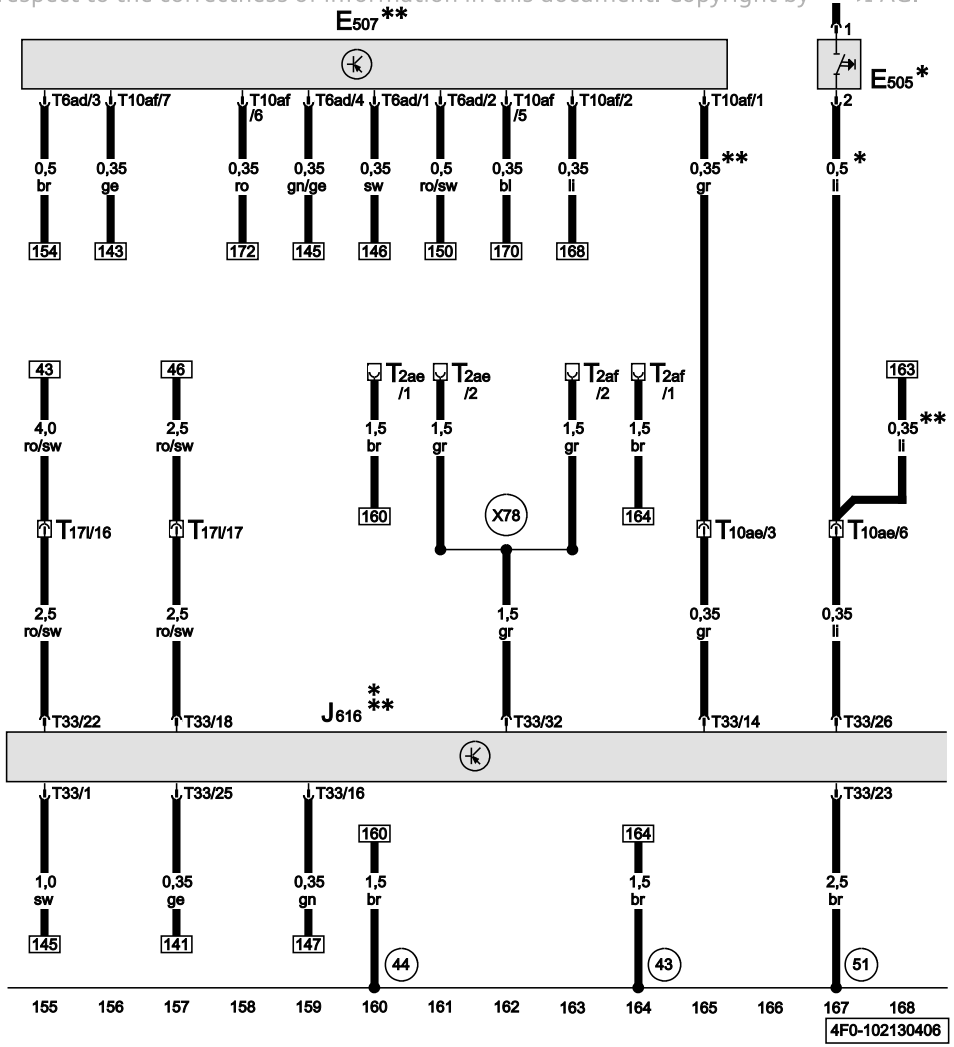
E75	Alarm system switch
J608	Special vehicle control unit
T10ae	10-pin connector, interchange connector in centre console
T17l	17-pin connector, brown, coupling station on right of A-pillar
T88	88-pin connector, black, on special vehicle control unit
51	Earth point, on right in luggage compartment
*	German special police with alarm rotary pull switch
**	German special police with operating unit special signals (BE200)
#	signal system DKL German special police
##	Signal system Topas
###	Signal system RTK 6



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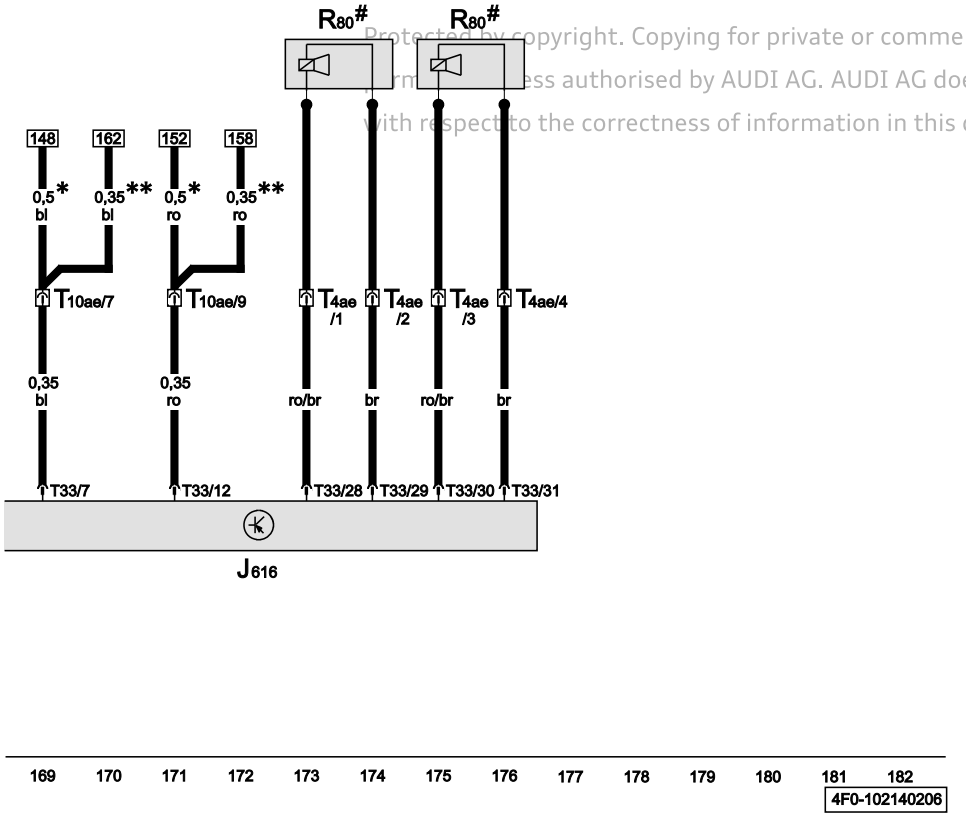
signal system DKL German special police

E505	Special signal system change-over button
E507	Operating unit for special signals
J616	Signal system control unit
T2ae	2-pin connector, left A-pillar, blue flashing light
T2af	2-pin connector, right A-pillar, blue flashing light
T6ad	6-pin connector, on operating unit for special signals
T10ae	10-pin connector, interchange connector in centre console
T10af	10-pin connector, on operating unit for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
T33	33-pin connector, on signal system control unit
43	Earth point, lower part of right A-pillar
44	Earth point, lower part of left A-pillar
51	Earth point, on right in luggage compartment
X78	Connection 1, in optional equipment wiring harness
*	German special police with alarm rotary pull switch
**	German special police with operating unit special signals (BE200)

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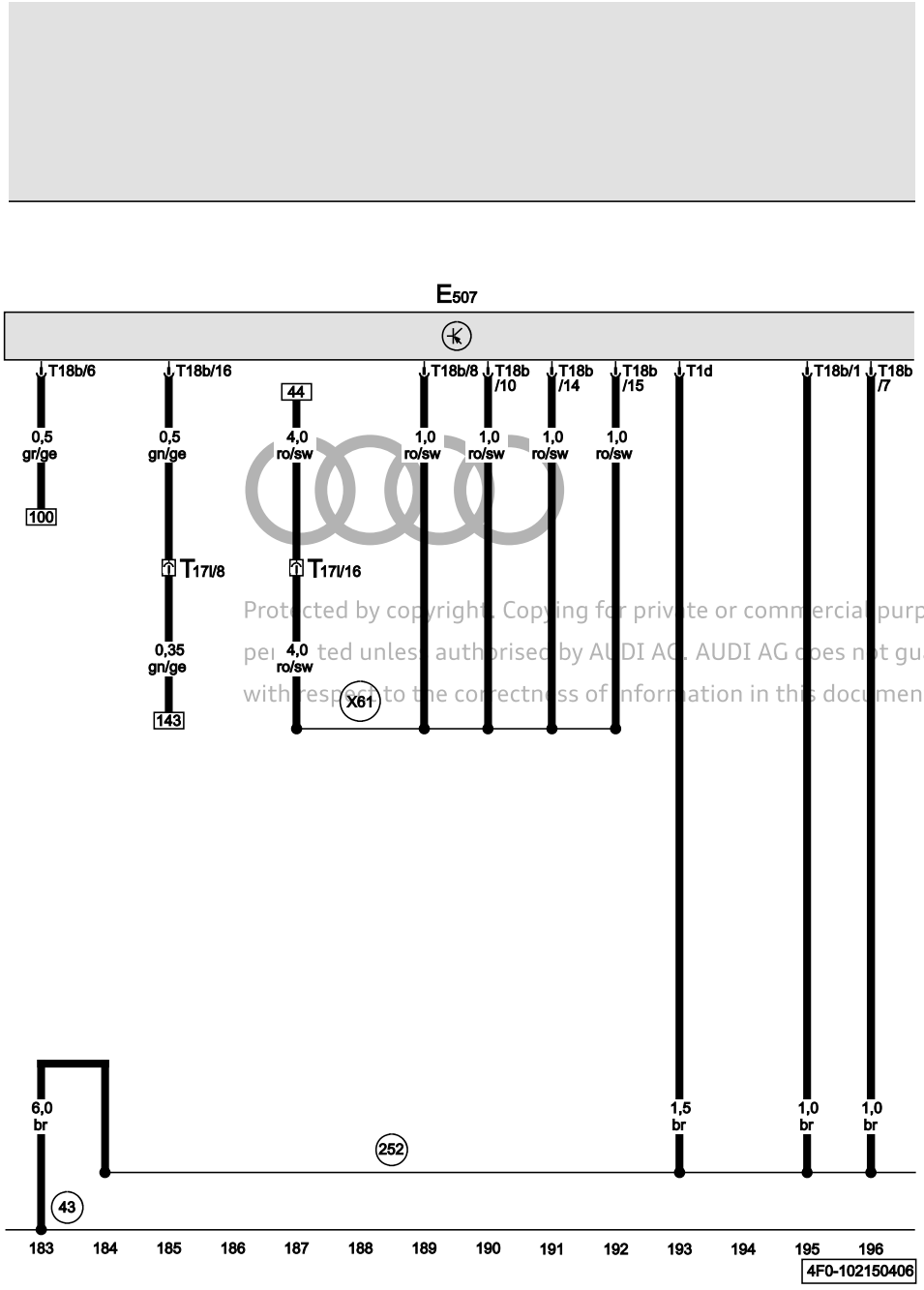
signal system DKL German special police

J616	Signal system control unit
R80	Loudspeaker for special signals
T4ae	4-pin connector, in engine compartment
T10ae	10-pin connector, interchange connector in centre console
T33	33-pin connector, on signal system control unit
*	German special police with alarm rotary pull switch
**	German special police with operating unit special signals (BE200)
#	Pressure chamber loudspeaker, in engine compartment



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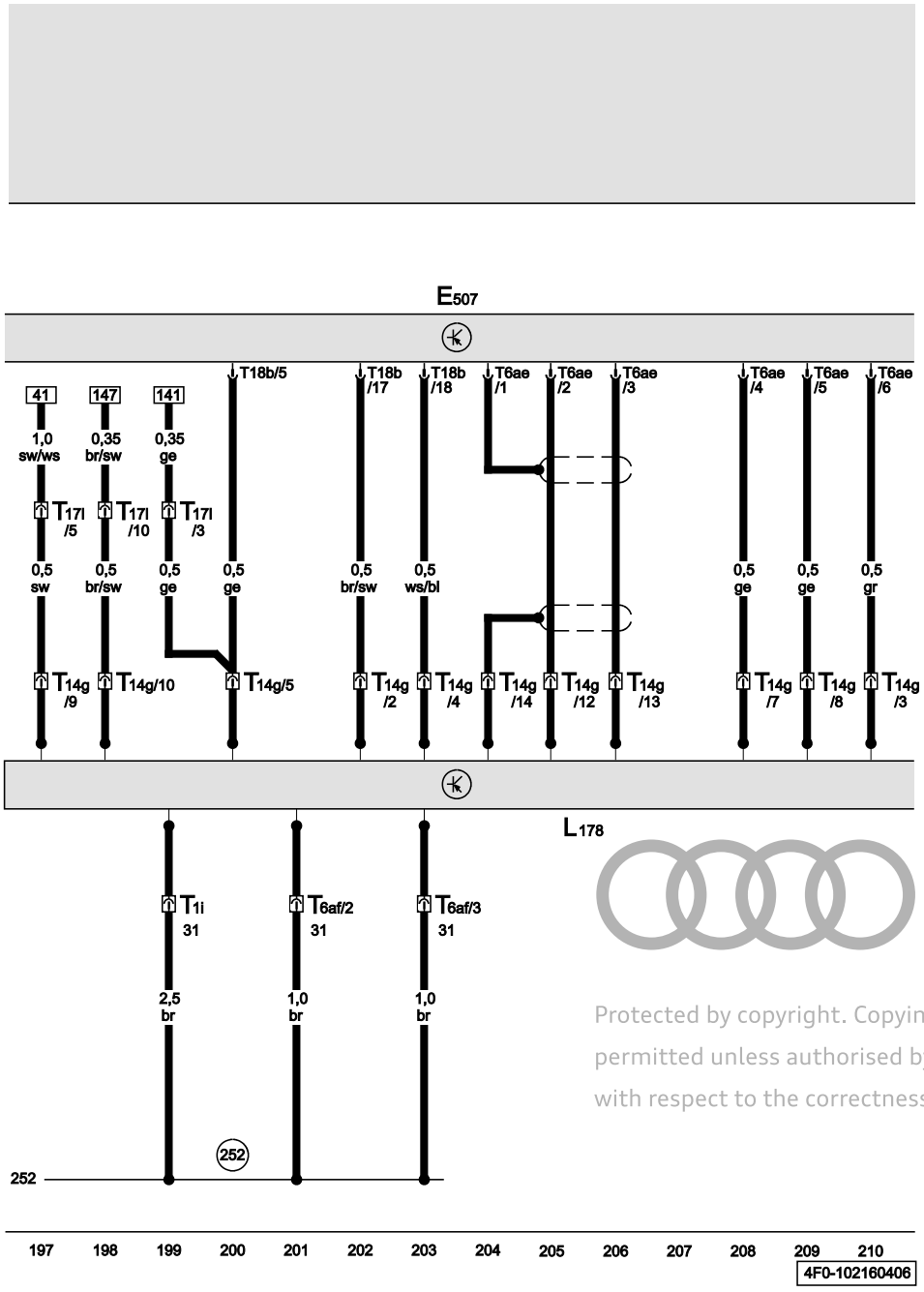


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Signal system Topas

E507	Operating unit for special signals
T1d	Single connector, on operating unit for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
T18b	18-pin connector, on operating unit for special signals
43	Earth point, lower part of right A-pillar
252	Earth connection, in optional equipment wiring harness
X61	Positive connection (30), in optional equipment wiring harness

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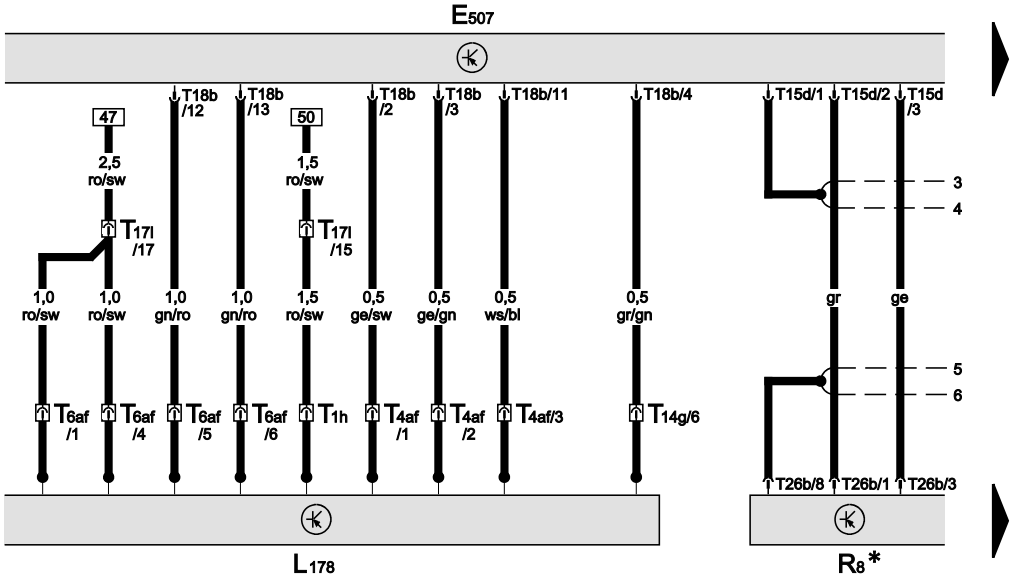
Signal system Topas

E507	Operating unit for special signals
L178	Special signal system with light bar and lettering
T1i	Single connector, to roof carrier for special signals
T6ae	6-pin connector, on operating unit for special signals
T6af	6-pin connector, to roof carrier for special signals
T14g	14-pin connector, to roof carrier for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
T18b	18-pin connector, on operating unit for special signals
252	Earth connection, in optional equipment wiring harness

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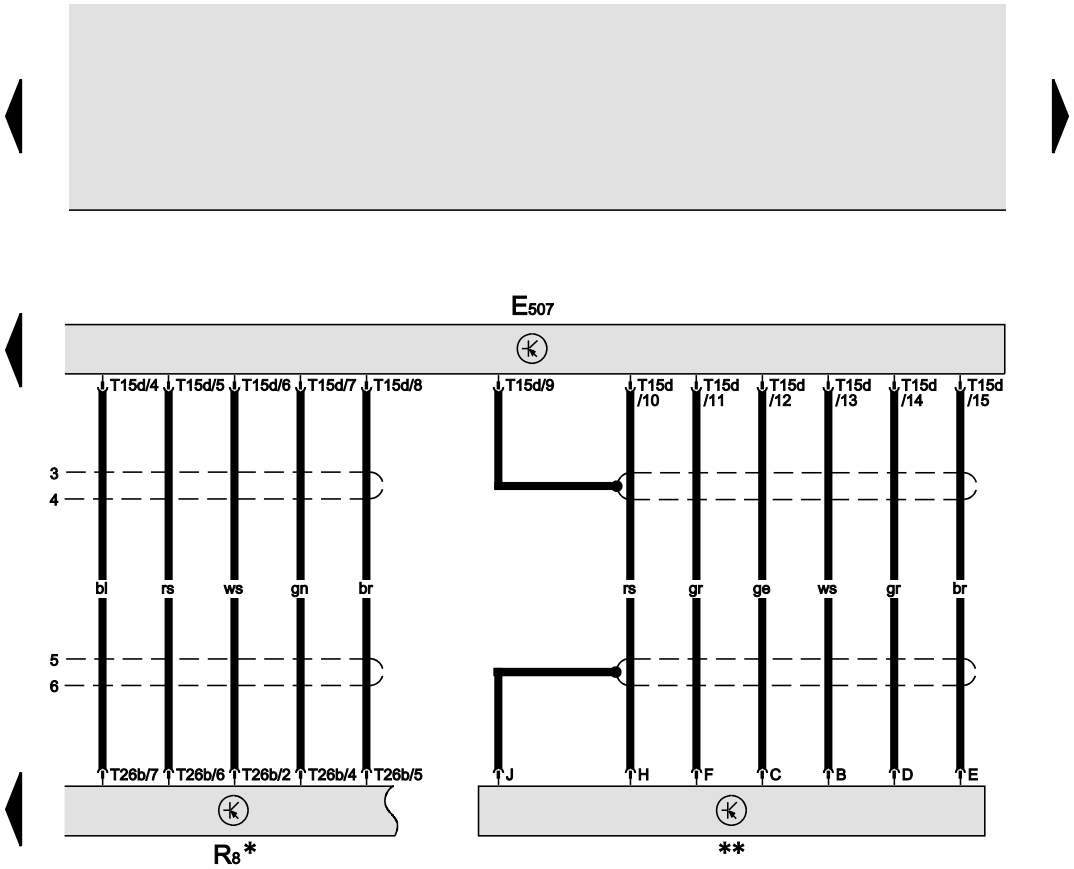
Signal system Topas

E507	Operating unit for special signals
L178	Special signal system with light bar and lettering
R8	Two-way radio
T1h	Single connector, to roof carrier for special signals
T4af	4-pin connector, to roof carrier for special signals
T6af	6-pin connector, to roof carrier for special signals
T14g	14-pin connector, to roof carrier for special signals
T15d	15-pin connector, on operating unit for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
T18b	18-pin connector, on operating unit for special signals
T26b	26-pin connector, on two-way radio
*	Bosch MBG 228

211 212 213 214 215 216 217 218 219 220 221 222 223 224

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Signal system Topas

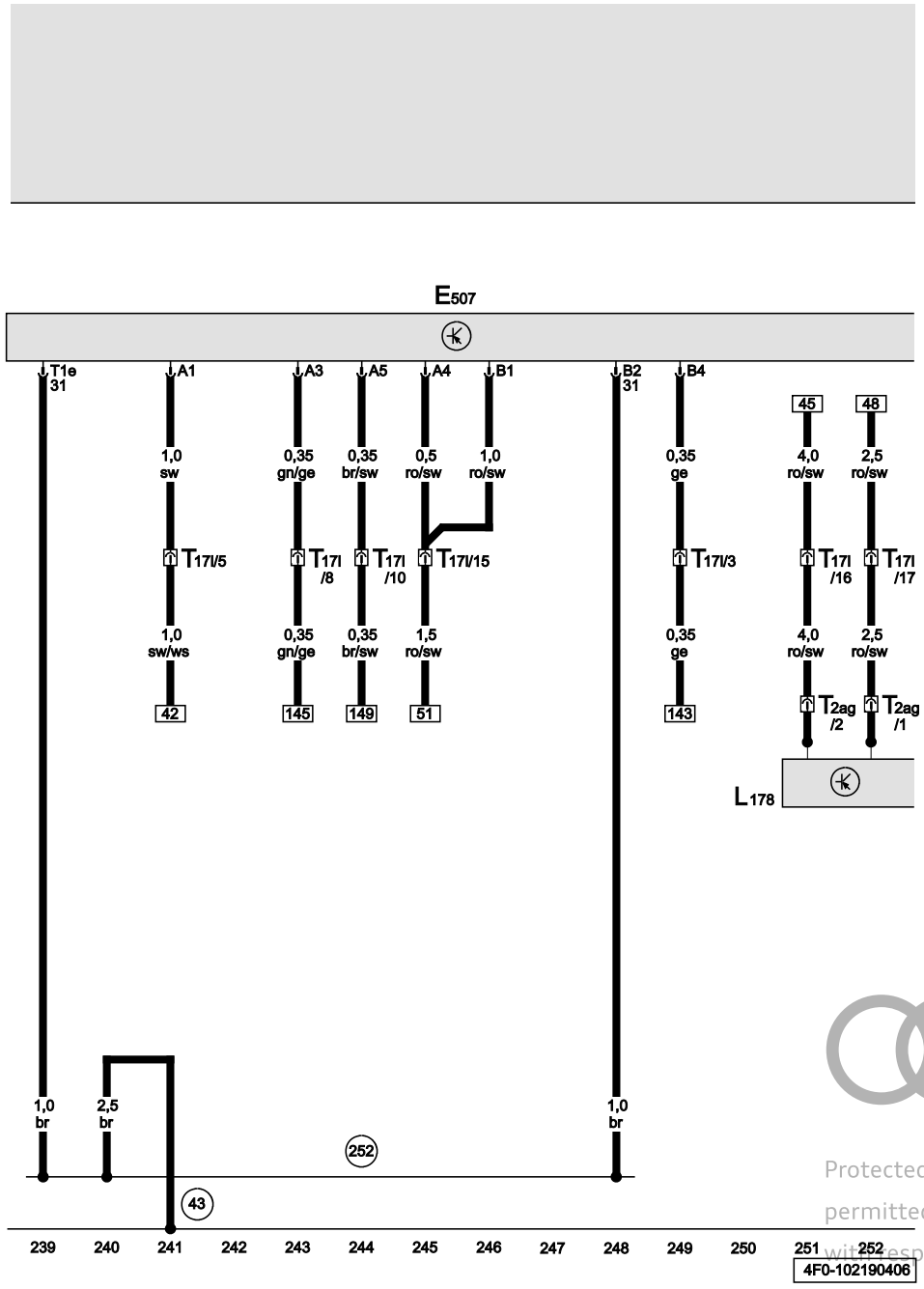
E507	Operating unit for special signals
R8	Two-way radio
T15d	15-pin connector, on operating unit for special signals
T26b	26-pin connector, on two-way radio
*	Bosch MBG 228
**	two-way radio hanset

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Signal system RTK 6

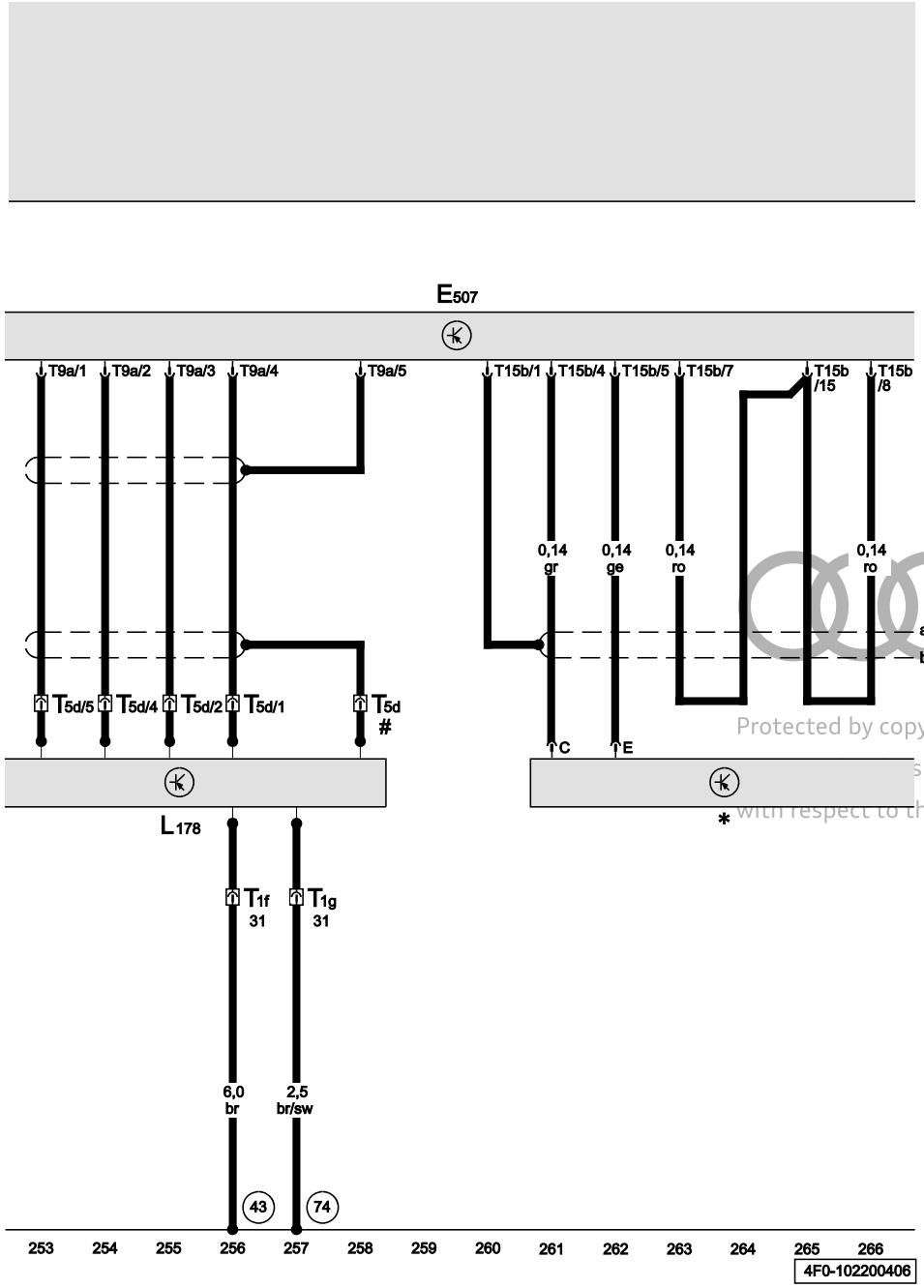
E507	Operating unit for special signals
L178	Special signal system with light bar and lettering
T2ag	2-pin connector, to roof carrier for special signals
T17l	17-pin connector, brown, coupling station on right of A-pillar
43	Earth point, lower part of right A-pillar
252	Earth connection, in optional equipment wiring harness

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Signal system RTK 6

E507	Operating unit for special signals
L178	Special signal system with light bar and lettering
T1f	Single connector, to roof carrier for special signals
T1g	Single connector, to roof carrier for special signals
T5d	5-pin connector, to roof carrier for special signals
T9a	9-pin connector, on operating unit for special signals
T15b	15-pin connector, on operating unit for special signals
43	Earth point, lower part of right A-pillar
74	Earth point, under headlining
#	screening on connector housing
*	two-way radio hanset

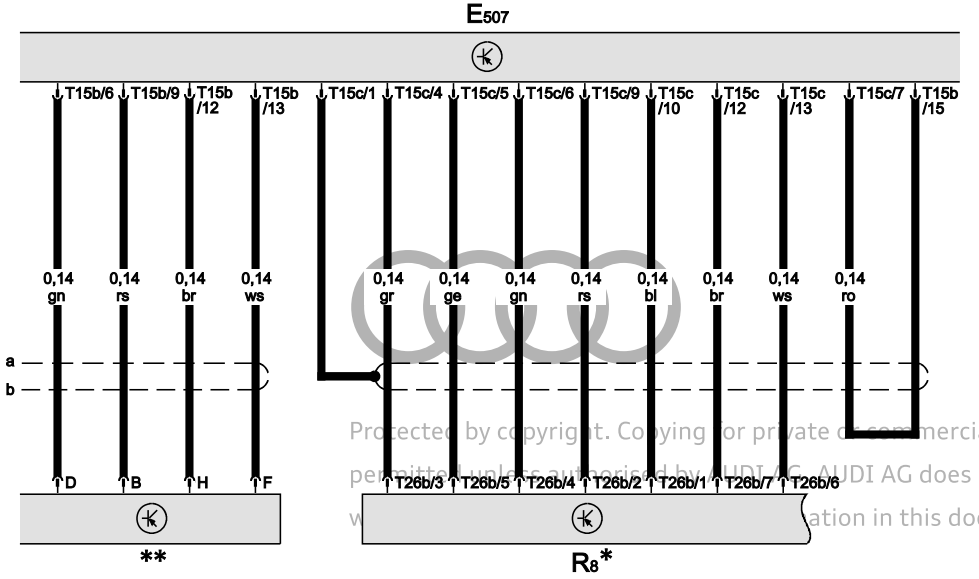


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Signal system RTK 6

E507	Operating unit for special signals
R8	Two-way radio
T15b	15-pin connector, on operating unit for special signals
T15c	15-pin connector, on operating unit for special signals
T26b	26-pin connector, on two-way radio
*	Bosch MGB 228
**	two-way radio hanset



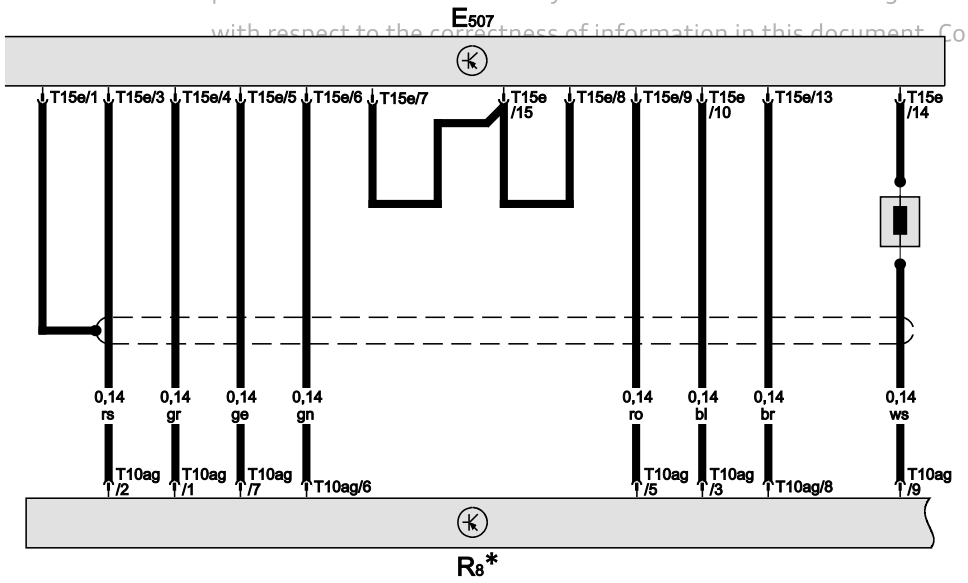
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Signal system RTK 6

E507	Operating unit for special signals
R8	Two-way radio
T10ag	10-pin connector, on two-way radio
T15e	15-pin connector, on operating unit for special signals
*	Two-way radio AEG Teledux

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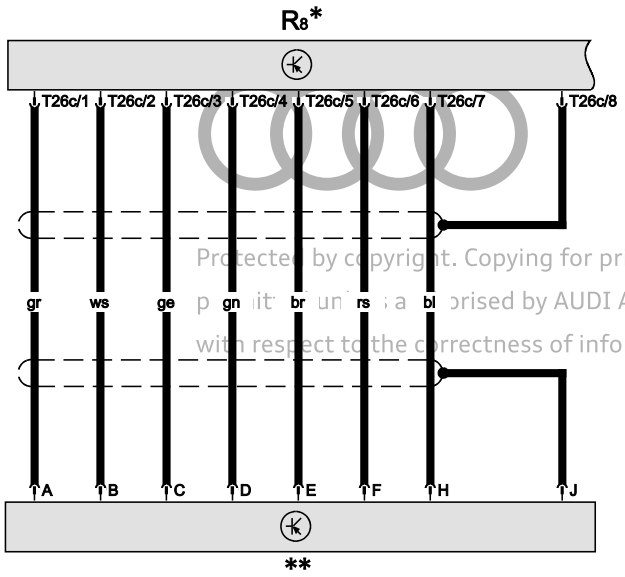
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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or	=	orange
rs	=	pink

Radio frequency range NEF civil

R8	Two-way radio
T26c	26-pin connector, on two-way radio
*	two-way radio MBG 228
**	two-way radio hanset



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Special vehicle

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

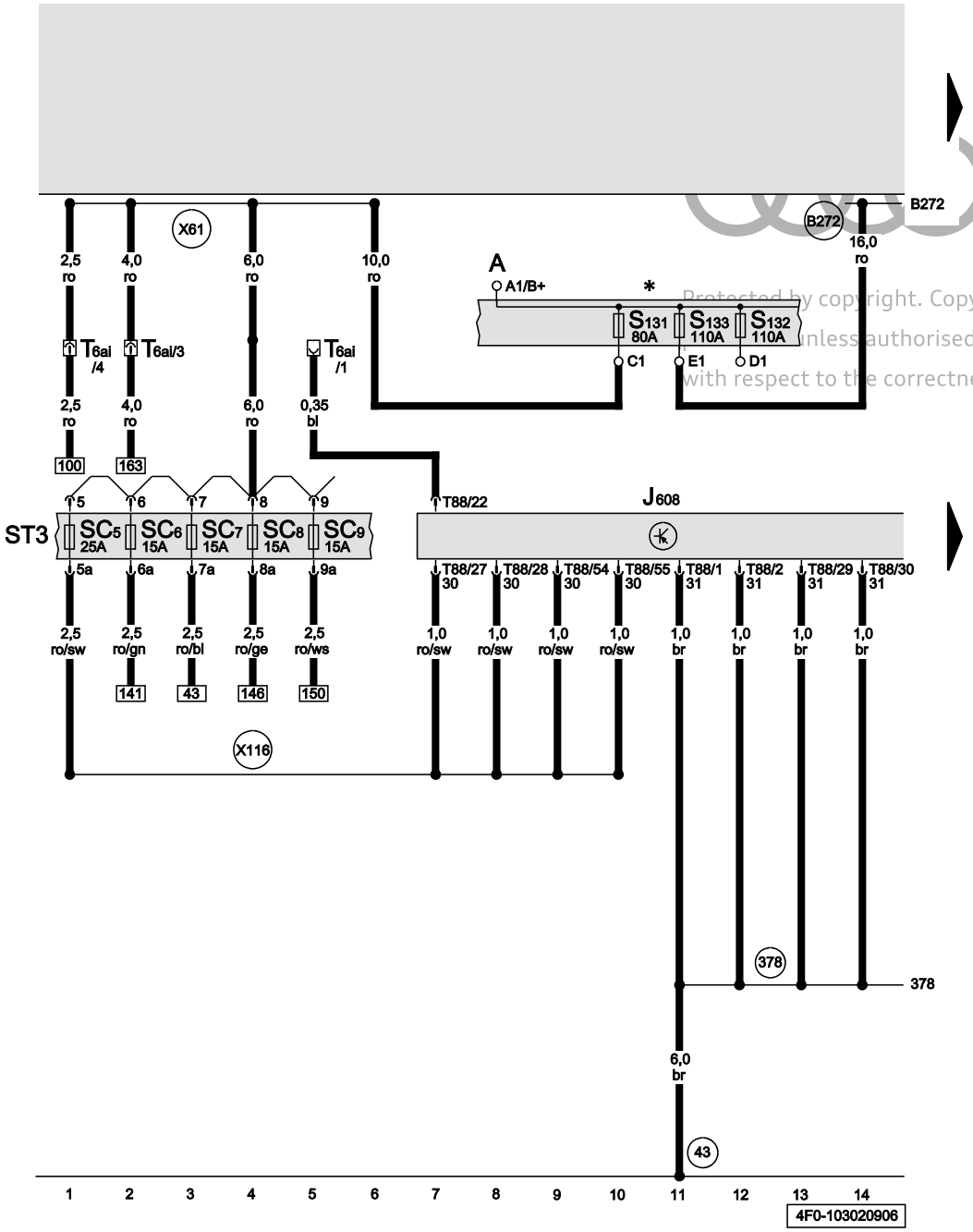
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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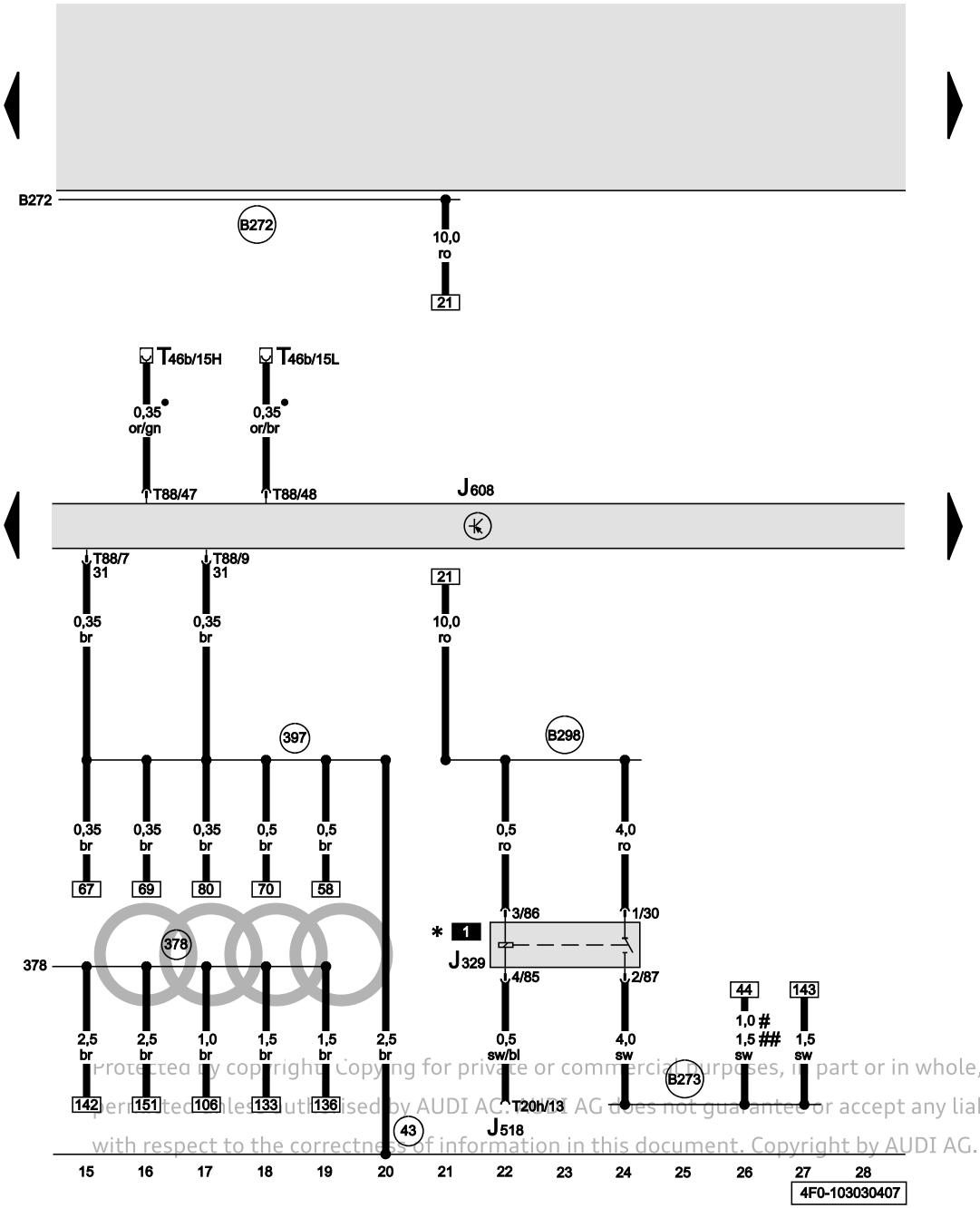


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Special vehicle control unit, fuses

A	Battery
J608	Special vehicle control unit
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SC5	Fuse 5 on fuse holder C
SC6	Fuse 6 on fuse holder C
SC7	Fuse 7 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
T6ai	6-pin connector, pink, on right in luggage compartment
T88	88-pin connector, black, on special vehicle control unit
43	Earth point, lower part of right A-pillar
378	Earth connection 13, in main wiring harness
B272	Positive connection (30), in main wiring harness
X61	Positive connection (30), in optional equipment wiring harness
X116	Positive connection 2 (30), in optional equipment wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery

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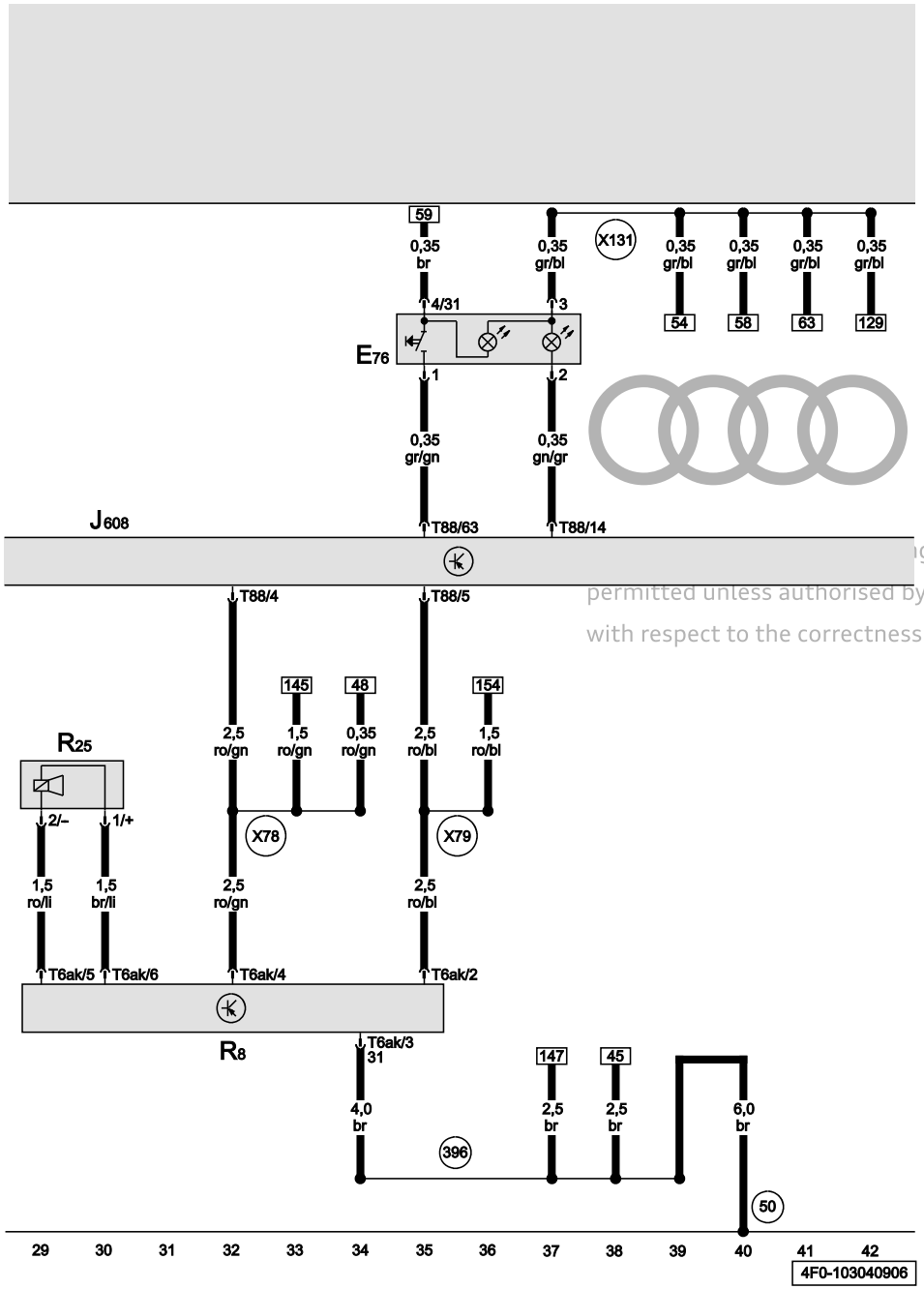


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Special vehicle control unit, terminal 15 voltage supply relay

J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J608	Special vehicle control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46b	46-pin connector, CAN separating connector right
T88	88-pin connector, black, on special vehicle control unit
43	Earth point, lower part of right A-pillar
378	Earth connection 13, in main wiring harness
397	Earth connection 32, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
#	up to May 2007
##	from June 2007

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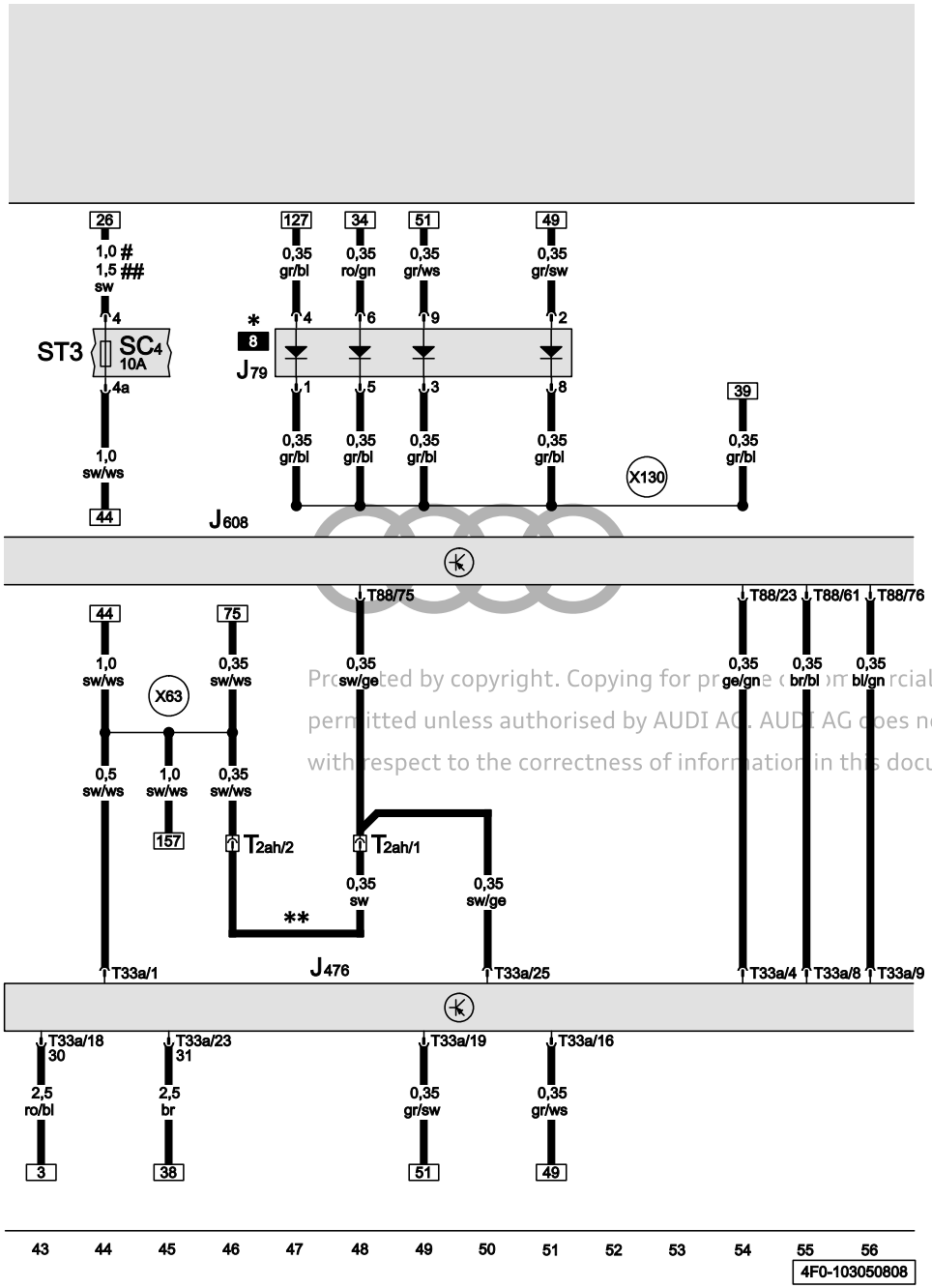


Special vehicle control unit, two-way radio button, two-way radio, two-way radio loudspeaker

E76	Two-way radio button
J608	Special vehicle control unit
R8	Two-way radio
R25	Two-way radio loudspeaker
T6ak	6-pin connector, black, on left in luggage compartment
T88	88-pin connector, black, on special vehicle control unit
50	Earth point, on left in luggage compartment
396	Earth connection 31, in main wiring harness
X78	Connection 1, in optional equipment wiring harness
X79	Connection 2, in optional equipment wiring harness
X131	Connection 4, in optional equipment wiring harness

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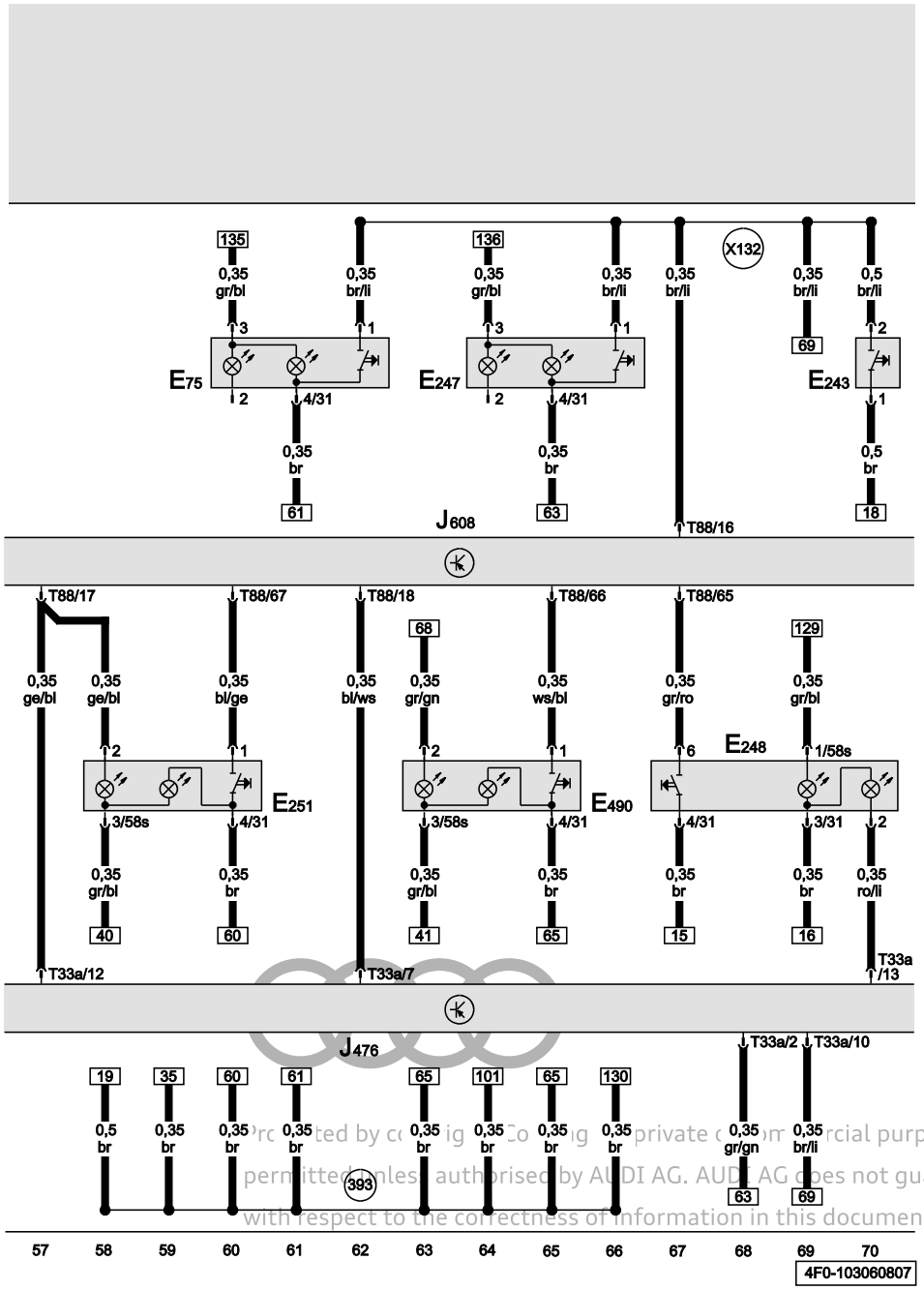


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Special vehicle control unit, personal danger alarm control unit

J79	Diode group
J476	Personal danger alarm control unit
J608	Special vehicle control unit
SC4	Fuse 4 on fuse holder C
T2ah	2-pin connector, black, on left in luggage compartment, coding siren
T33a	33-pin connector, on personal danger alarm control unit
T88	88-pin connector, black, on special vehicle control unit
X63	Positive connection 1 (15a), in optional equipment wiring harness
X130	Connection 3, in optional equipment wiring harness
*	9-point relay carrier, behind driver storage compartment
**	bridge, siren without blue flashing light
#	up to May 2007
##	from June 2007

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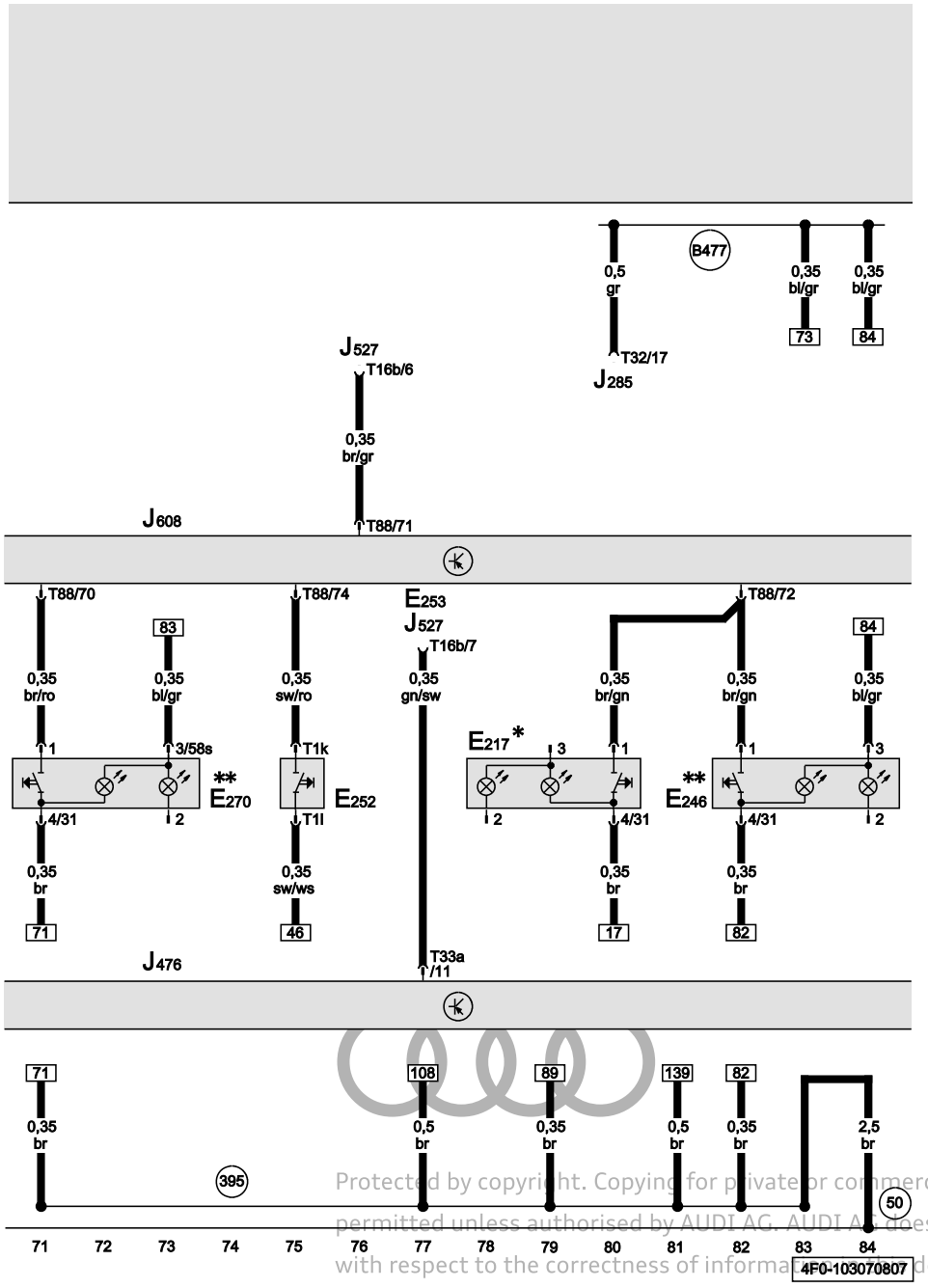


Special vehicle control unit, personal danger alarm control unit, special signals switch (variable siren), blue emergency light button, alarm system switch, personal danger alarm button 1 (on), switch to trip alarm, intercom switch

E75	Alarm system switch
E243	Personal danger alarm button 1 (on)
E247	Switch to trip alarm
E248	Intercom switch
E251	Special signals switch (variable siren)
E490	Blue emergency light button
J476	Personal danger alarm control unit
J608	Special vehicle control unit
T33a	33-pin connector, on personal danger alarm control unit
T88	88-pin connector, black, on special vehicle control unit
393	Earth connection 28, in main wiring harness
X132	Connection 5, in optional equipment wiring harness

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Special vehicle control unit, personal danger alarm control unit, alarm trip switch in luggage compartment, special signal system switch

E217	Alarm system off switch
E246	Personal danger alarm button (off)
E252	Special signal system switch
E253	Speak button for intercom system
E270	Alarm trip switch in luggage compartment
J285	Control unit in dash panel insert
J476	Personal danger alarm control unit
J527	Steering column electronics control unit
J608	Special vehicle control unit
T1k	Single connector, brown, on special signals switch
T1l	Single connector, brown, on special signals switch
T16b	16-pin connector, behind steering column switch trim
T32	32-pin connector, grey, on dash panel insert
T33a	33-pin connector, on personal danger alarm control unit
T88	88-pin connector, black, on special vehicle control unit
50	Earth point, on left in luggage compartment
395	Earth connection 30, in main wiring harness
B477	Connection 13 in main wiring harness
*	in glove box
**	in luggage compartment

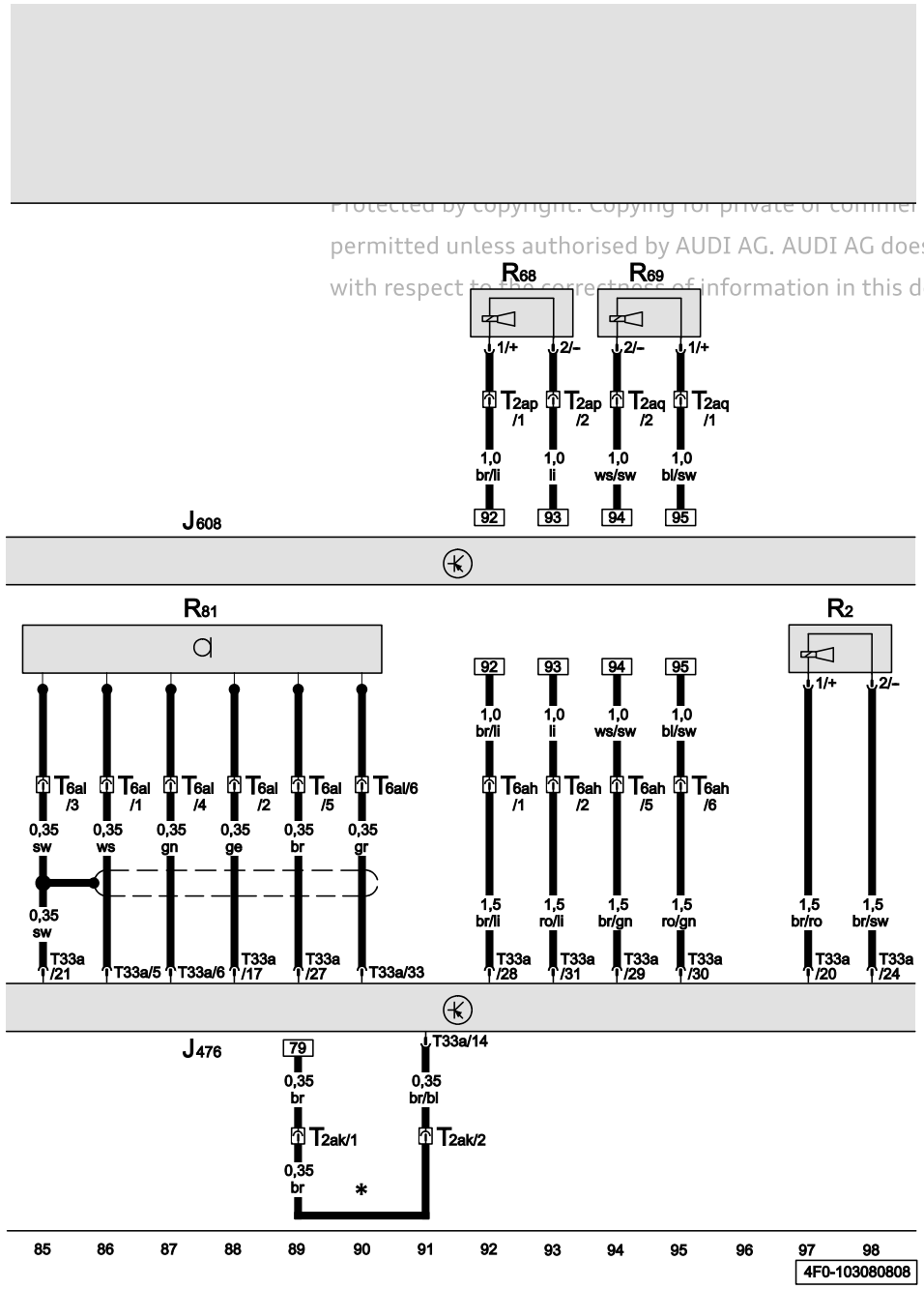
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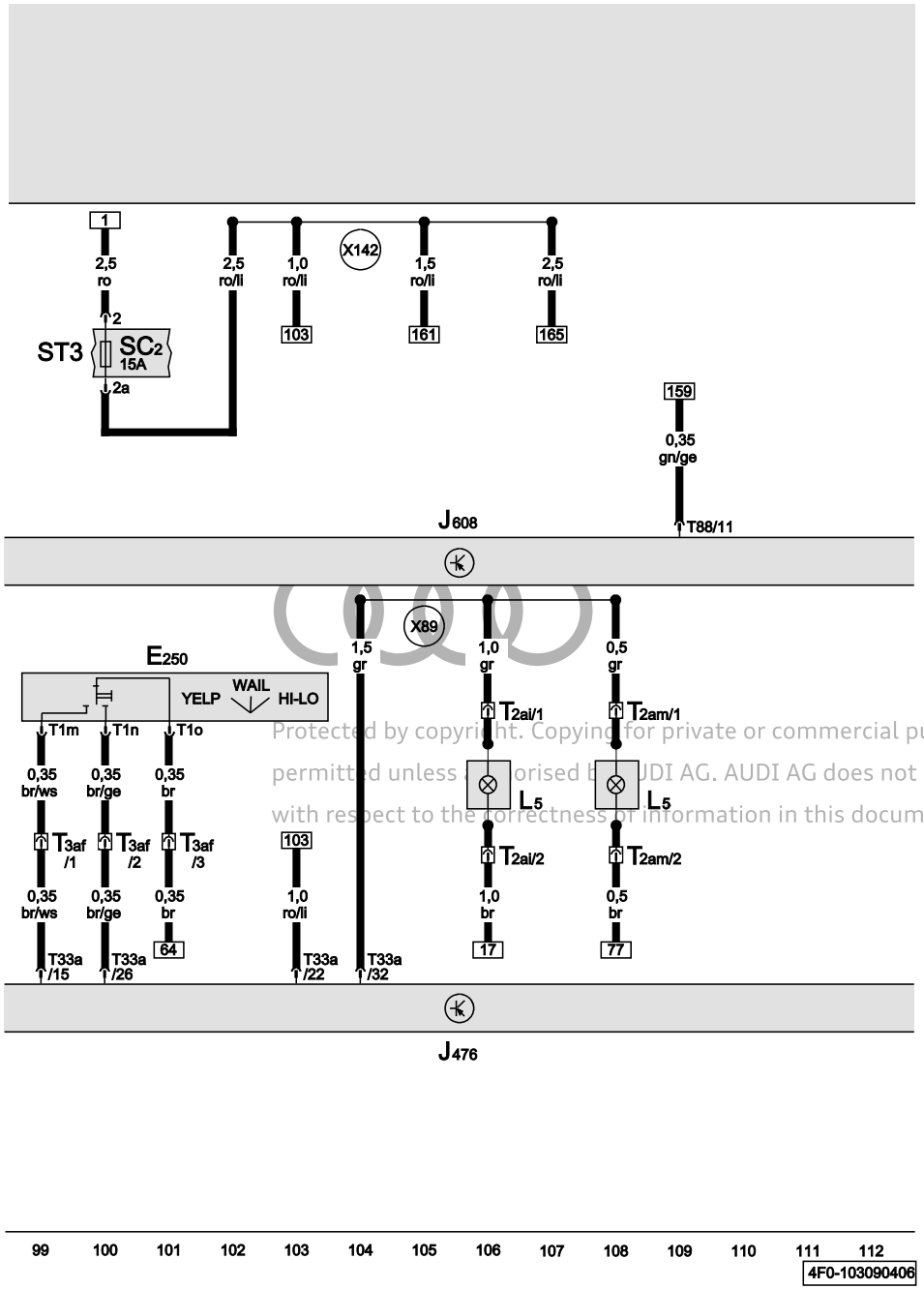
Personal danger alarm control unit, front left loudspeaker, external loudspeaker, microphone for special signals

J476	Personal danger alarm control unit
J608	Special vehicle control unit
R2	Front left loudspeaker
R68	External loudspeaker
R69	External loudspeaker 2
R81	Microphone for special signals
T2ak	2-pin connector, brown, on left in luggage compartment
T2ap	2-pin connector, black, in bumper front left, for external loudspeaker
T2aq	2-pin connector, orange, in bumper front left, for external loudspeaker 2
T6ah	6-pin connector, black, coupling station left of A-pillar
T6al	6-pin connector, black, in right dash panel
T33a	33-pin connector, on personal danger alarm control unit
*	bridge, personal danger alarm quiet

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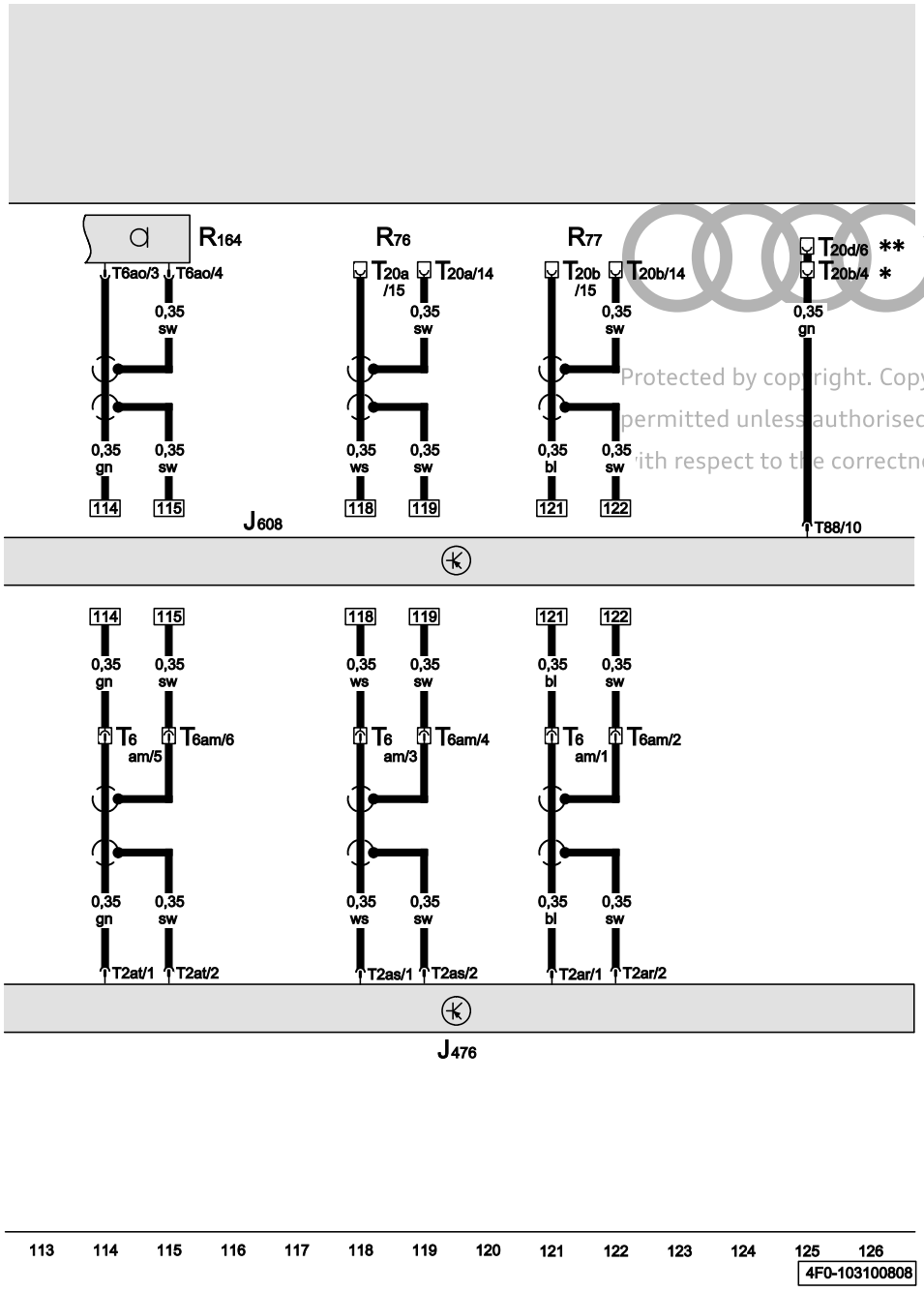


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Special vehicle control unit, personal danger alarm control unit, rotating light bulb, alternating pitch switch for personal danger alarm

E250	Alternating pitch switch for personal danger alarm
J476	Personal danger alarm control unit
J608	Special vehicle control unit
L5	Rotating light bulb
SC2	Fuse 2 on fuse holder C
T1m	Single pin connector, on alternating pitch switch for personal danger alarm
T1n	Single pin connector, on alternating pitch switch for personal danger alarm
T1o	Single pin connector, on alternating pitch switch for personal danger alarm
T2ai	2-pin connector, white, in left B-pillar
T2am	2-pin connector, black, on left in luggage compartment
T3af	3-pin connector, black, in centre console
T33a	33-pin connector, on personal danger alarm control unit
T88	88-pin connector, black, on special vehicle control unit
X89	Connection 1 (blue flashing/rotating light), in optional equipment wiring harness
X142	Positive connection 3 (30), in optional equipment wiring harness

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gn	=	green
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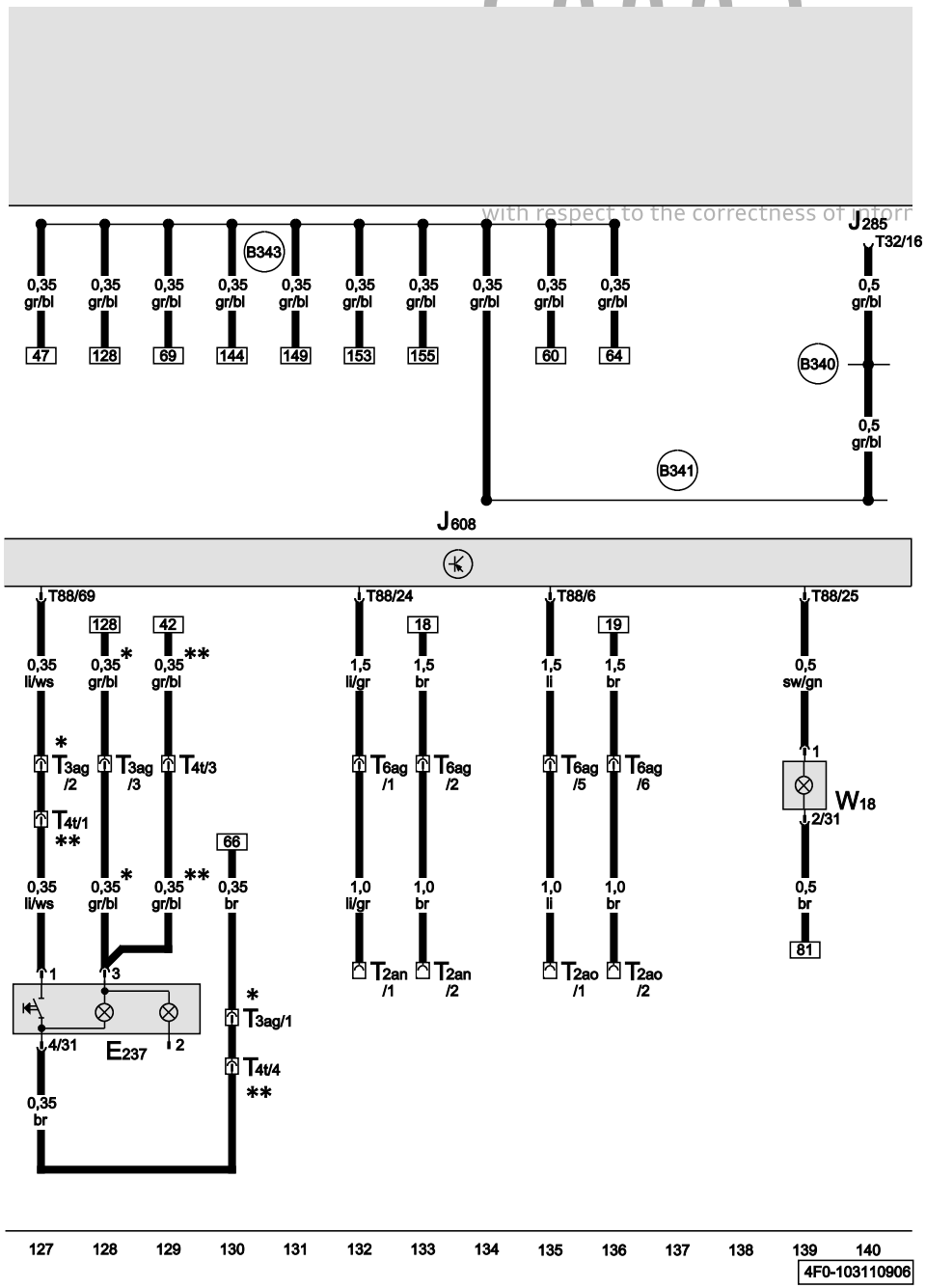
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Personal danger alarm control unit, microphone in left and right exterior mirror

J476	Personal danger alarm control unit
J608	Special vehicle control unit
R76	Microphone in left exterior mirror
R77	Microphone in right exterior mirror
R164	Microphone unit in front roof module
T2ar	2-pin connector, red, on personal danger alarm control unit
T2as	2-pin connector, yellow, on personal danger alarm control unit
T2at	2-pin connector, black, on personal danger alarm control unit
T6am	6-pin connector, blue, near personal danger alarm control unit
T6ao	6-pin connector, blue, microphone connection roof module
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
T20d	20-pin connector, black, right B-pillar
T88	88-pin connector, black, on special vehicle control unit
*	up to May 2008
**	from June 2008

ws	=	white
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ro	=	red
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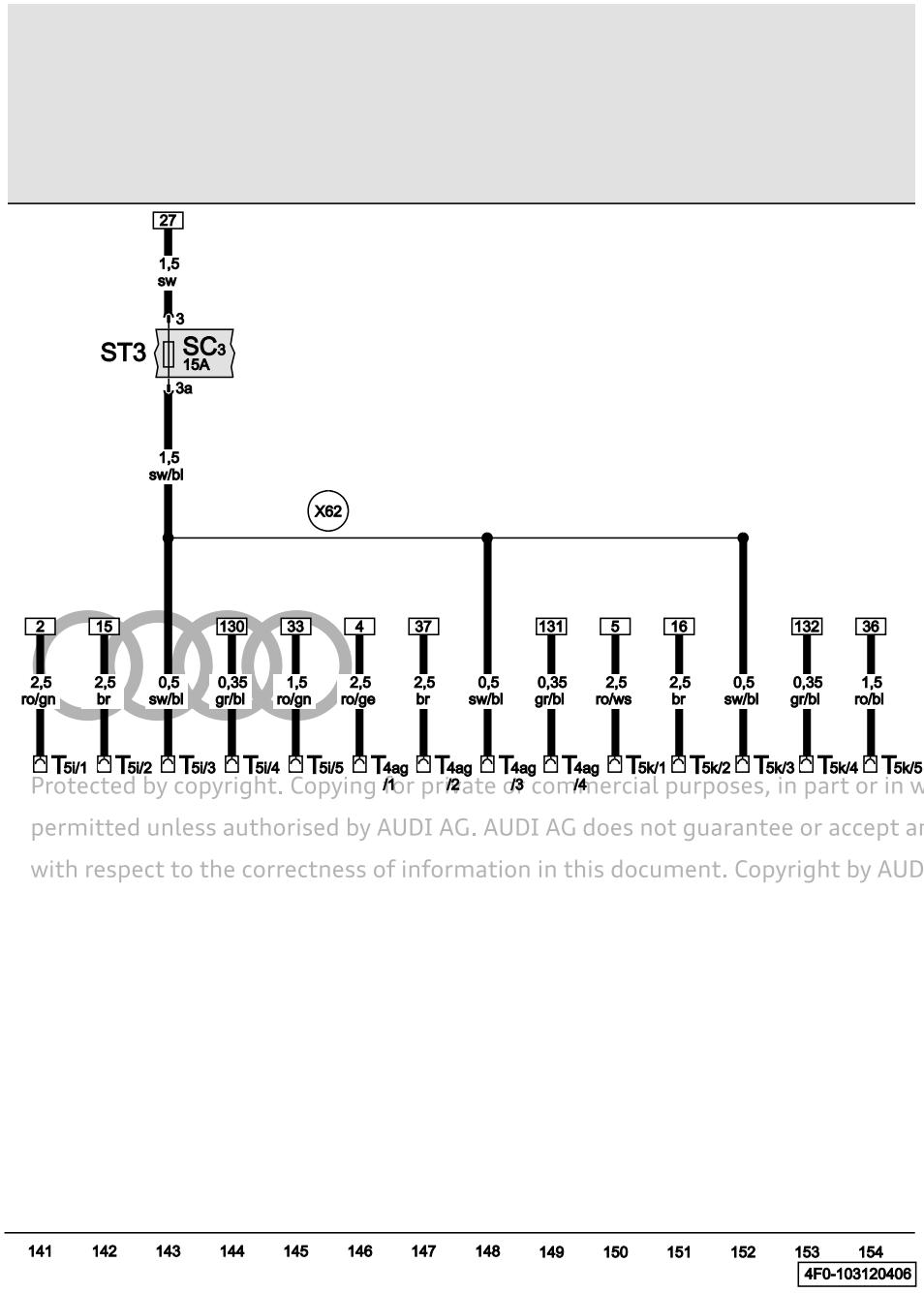
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Special vehicle control unit, smoke extractor switch, luggage compartment light on left, supply smoke extractor

E237	Smoke extractor switch
J285	Control unit in dash panel insert
J608	Special vehicle control unit
T2an	2-pin connector, black, in front left engine compartment, supply smoke extractor
T2ao	2-pin connector, brown, in front left engine compartment, supply special signals
T3ag	3-pin connector, red, in centre console
T4t	4-pin connector, black, in centre console
T6ag	6-pin connector, purple, coupling station on left of A-pillar
T32	32-pin connector, grey, on dash panel insert
T88	88-pin connector, black, on special vehicle control unit
W18	Luggage compartment light on left
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B343	Connection 4 (58s), in main wiring harness
*	up to May 2006
**	from June 2006

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sw	=	black
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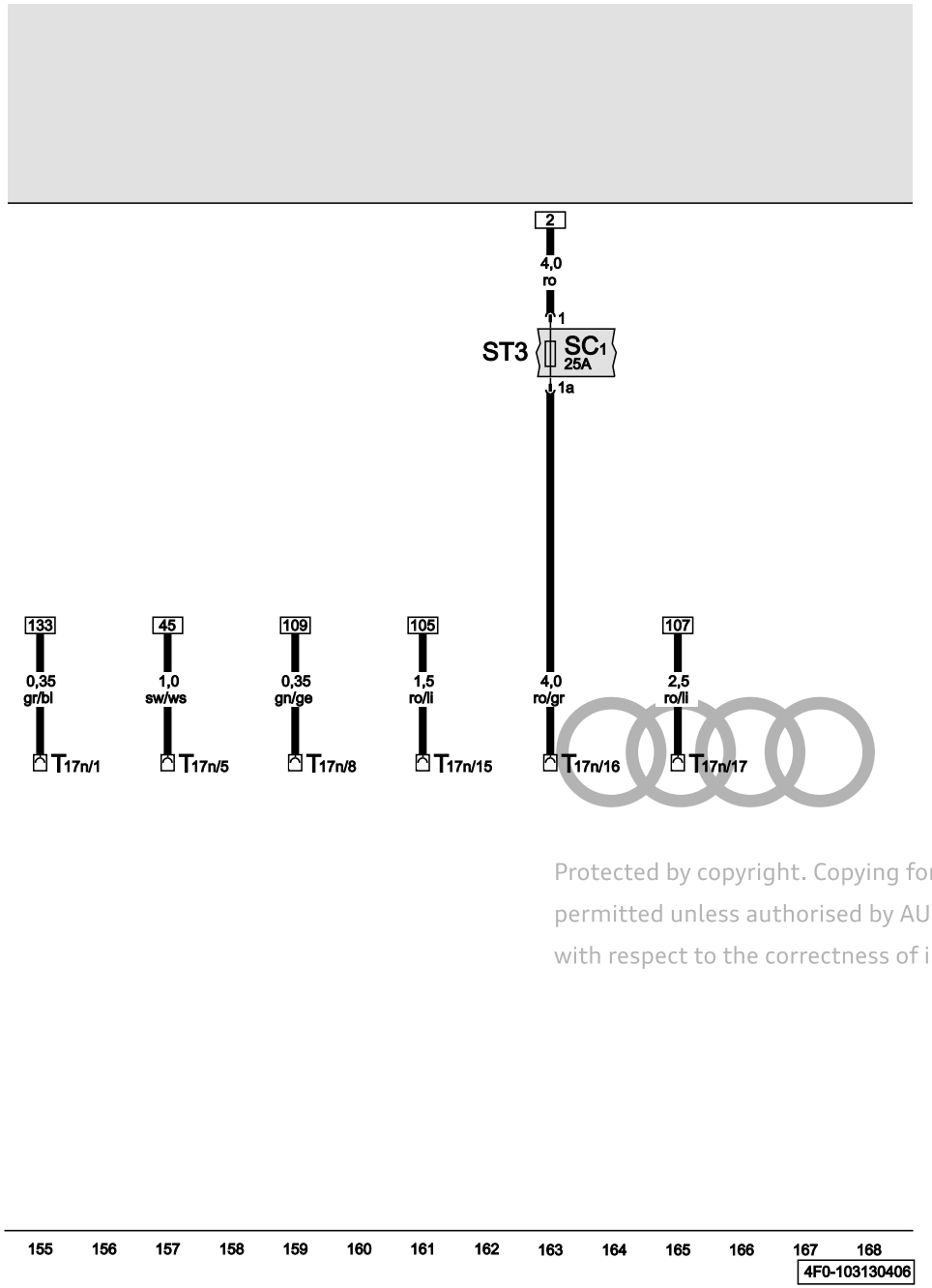


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Individualisation

SC3	Fuse 3 on fuse holder C
T4ag	4-pin connector, on left in luggage compartment
T5i	5-pin connector, blue, in centre console
T5k	5-pin connector, blue, in right dash panel
X62	Positive connection 3 (15a), in optional equipment wiring harness

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bl	=	blue
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Signal system

SC1 Fuse 1 on fuse holder C
T17n 17-pin connector, brown, coupling station on right of A-pillar

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Convenience system

⇒ **Aambient lighting**
⇒ **Electrically adjustable and heated exterior mirrors**
⇒ **Door opener illumination**
⇒ **Anti-theft alarm system**
⇒ **Entry lights**
⇒ **Electrical rear roller blind**
⇒ **Window regulator**
⇒ **Luggage compartment light**
⇒ **Door warning lamps**
⇒ **Central locking**

from model year 2007

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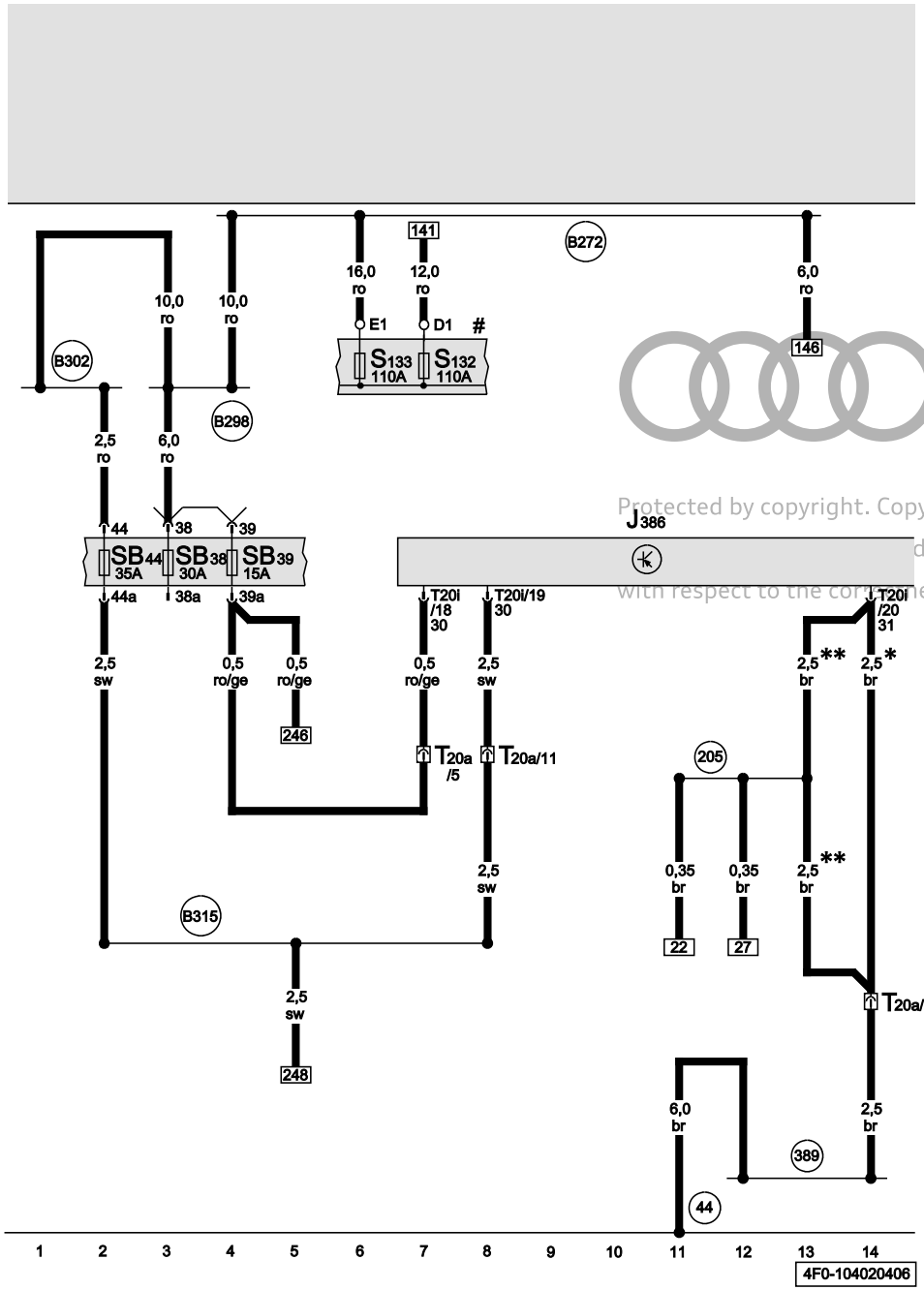
Notes:

For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

⇒ guided fault finding



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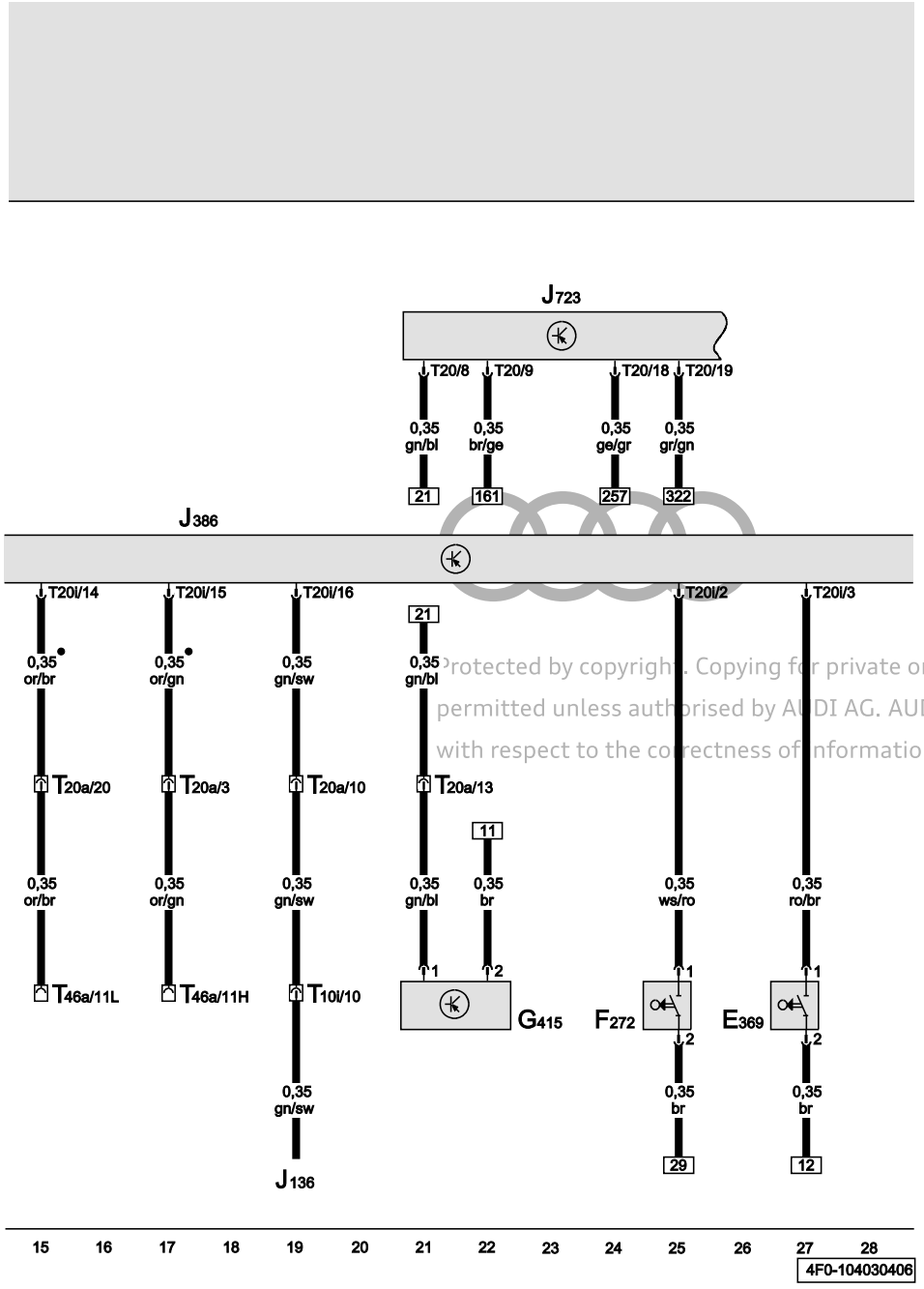
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Driver door control unit, fuses

J386	Driver door control unit
S132	Fuse 2
S133	Fuse 3
SB38	Fuse 38 on fuse holder B
SB39	Fuse 39 on fuse holder B
SB44	Fuse 44 on fuse holder B
T20a	20-pin connector, left A-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
44	Earth point, lower part of left A-pillar
205	Earth connection, in driver door wiring harness
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation
#	main fuse box, in luggage compartment, rear right, on the battery

Driver door control unit, driver door exterior handle central locking button, driver door exterior handle switch, driver door exterior handle touch sensor

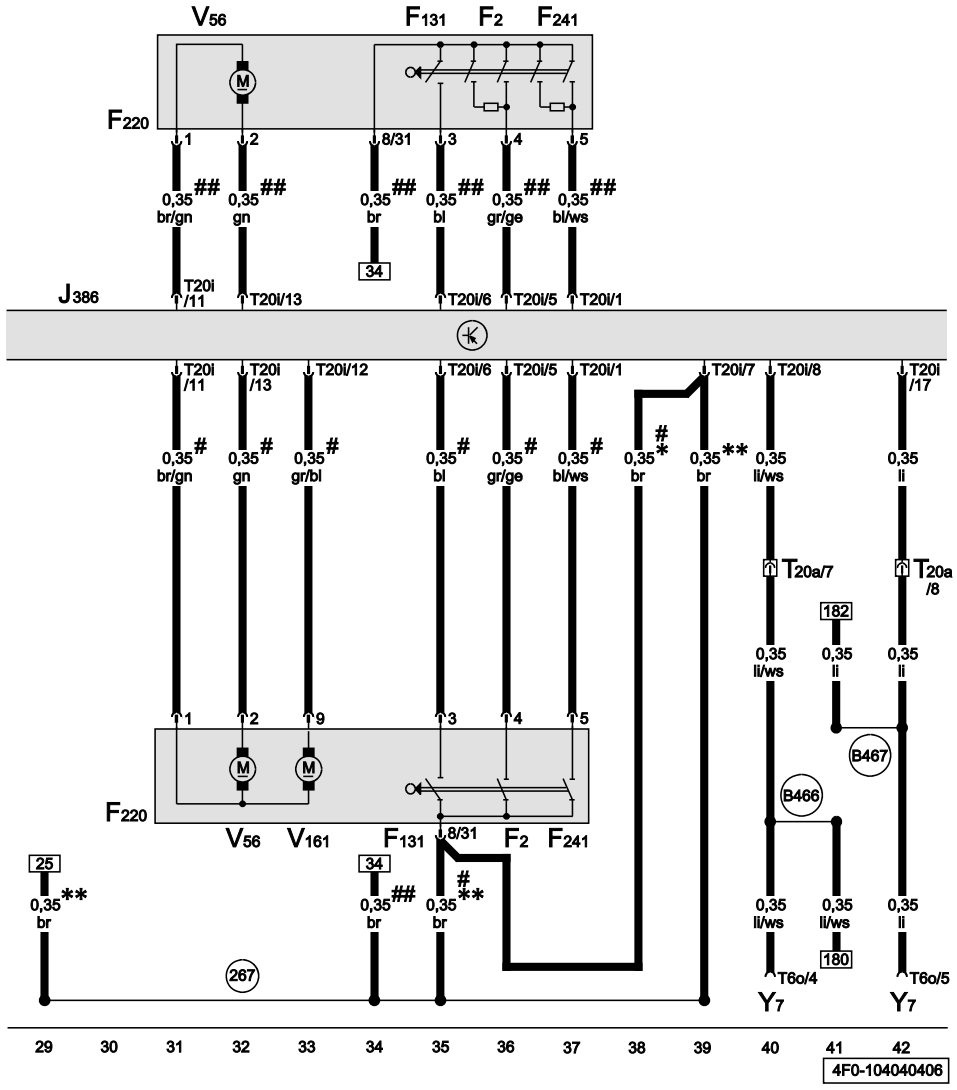
E369	Driver side door exterior handle central locking button
F272	Driver door exterior handle switch
G415	Driver door exterior handle touch sensor
J136	Seat and steering column adjustment control unit with memory function
J386	Driver door control unit
J723	Aerial reader unit for keyless entry system
T10i	10-pin connector, red, on left of seat cross member
T20	20-pin connector, red, on aerial reader unit for keyless entry system
T20a	20-pin connector, black, left A-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
T46a	46-pin connector, CAN separating connector left
•	CAN bus (data wire)



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Driver door control unit, driver side central locking lock unit, driver door contact switch, driver door central locking motor

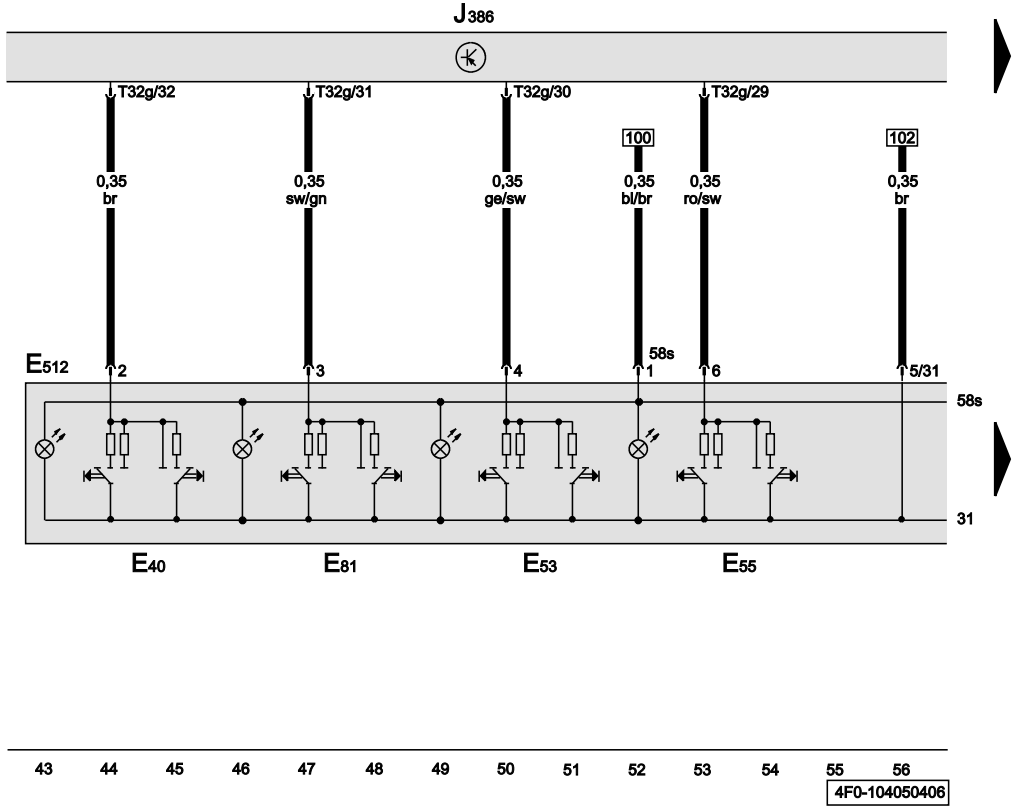
F2	Driver door contact switch
F131	Front left central locking actuator
F220	Driver side central locking lock unit
F241	Driver side contact switch in lock cylinder
J386	Driver door control unit
T6o	6-pin connector, black, connector B, on roof console
T20a	20-pin connector, black, left A-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
V56	Driver door central locking motor
V161	Driver door central locking deadlock function motor
Y7	Automatic anti-dazzle interior mirror
267	Earth connection 2, in driver door wiring harness
B466	Connection 2 in main wiring harness
B467	Connection 3 in main wiring harness
*	models without auxiliary equipment
**	models with auxiliary equipment
#	not USA
##	only USA

ws	=	white
sw	=	black
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rs	=	pink

Driver door control unit, front left and right window regulator switch in driver door, rear left and right window regulator switch, in driver door

E40	Front left window regulator switch
E53	Rear left window regulator switch, in driver door
E55	Rear right window regulator switch, in driver door
E81	Front right window regulator switch in driver door
E512	Operating unit for window regulator in driver door
J386	Driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit

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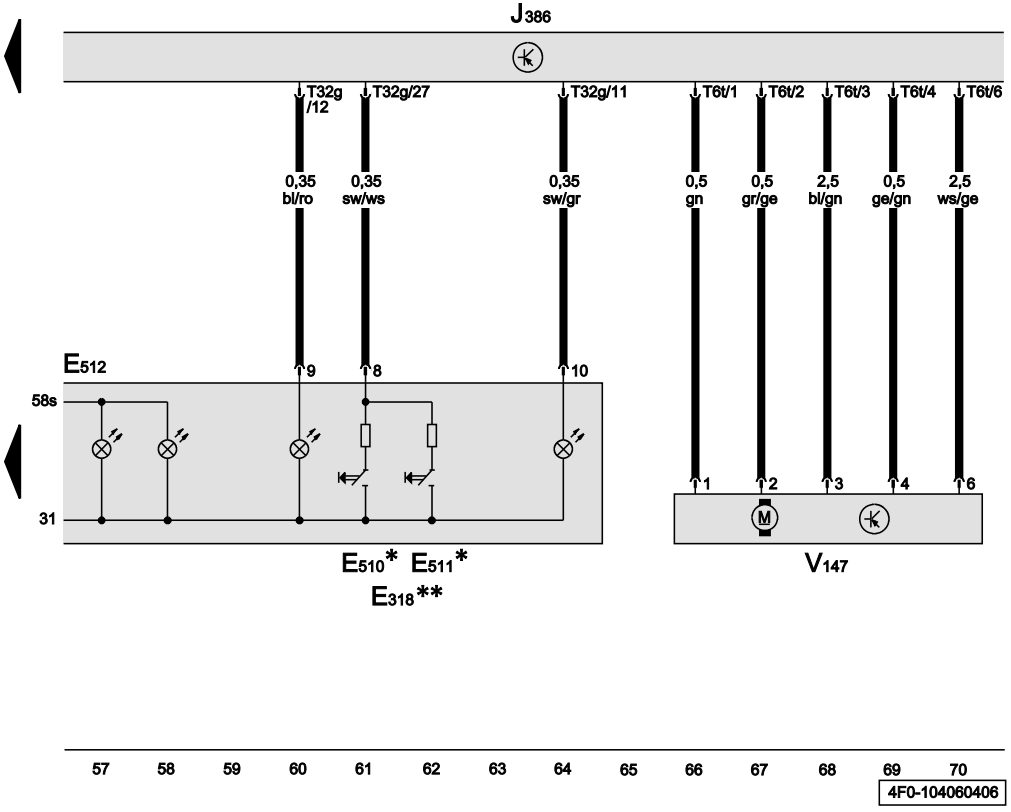


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Driver door control unit, driver side window regulator motor, button for left and right childproof lock

E318	Childproof lock button
E510	Button for left childproof lock
E511	Button for right childproof lock
E512	Operating unit for window regulator in driver door
J386	Driver door control unit
T6t	6-pin connector, black, connector A, on driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit
V147	Driver side window regulator motor
*	models with electric childproof lock
**	models without electric childproof lock

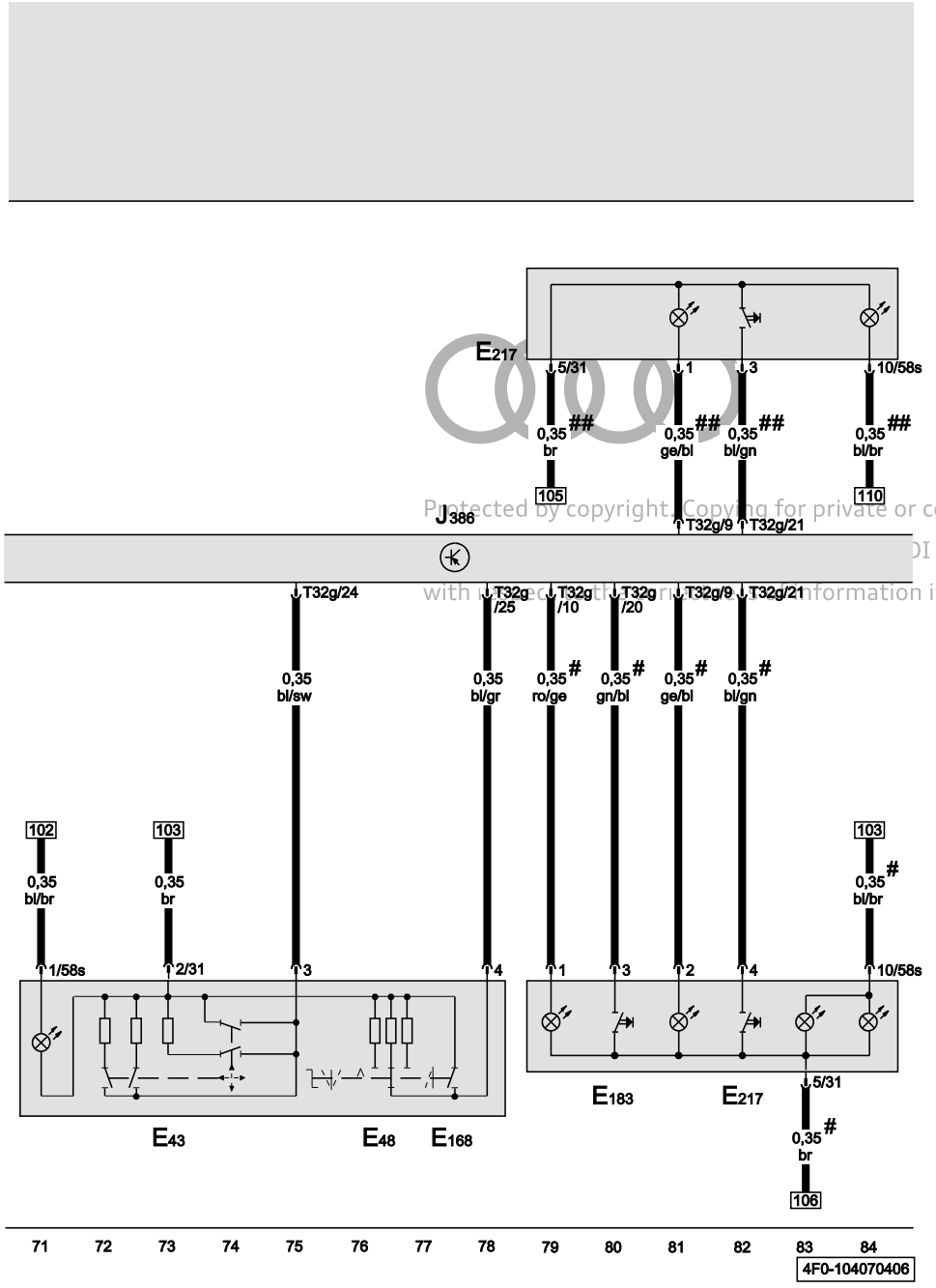
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Driver door control unit, mirror adjustment switch, mirror adjustment change-over switch, adjustment switch for mirror with fold-in feature, interior monitoring deactivation switch, alarm system off switch

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E168	Adjustment switch for mirror with fold-in feature
E183	Interior monitoring deactivation switch
E217	Alarm system off switch
J386	Driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit
#	not USA
##	only USA

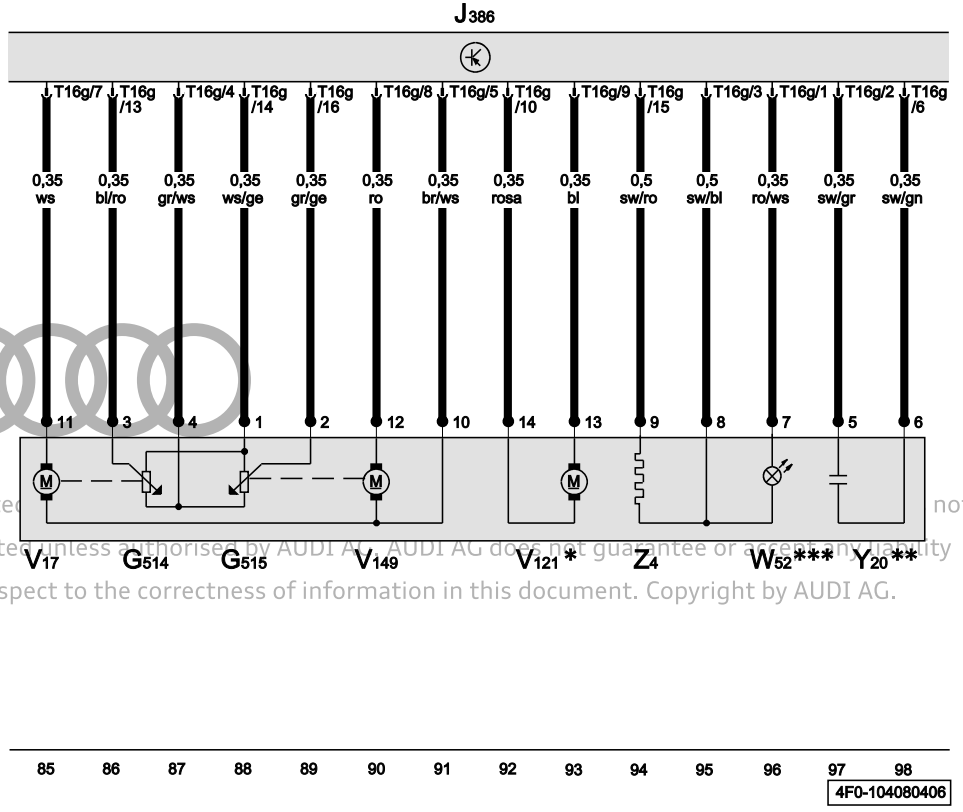


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Driver door control unit, driver side mirror adjustment motor, driver side fold-in mirror motor, driver side heated exterior mirror, driver side entry light in exterior mirror, driver side automatic anti-dazzle exterior mirror

G514	Potentiometer for horizontal adjustment of driver side mirror
G515	Potentiometer for vertical adjustment of driver side mirror
J386	Driver door control unit
T16g	16-pin connector, black, connector C, on driver door control unit
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
W52	Driver side entry light in exterior mirror
Y20	Driver side automatic anti-dazzle exterior mirror
Z4	Driver side heated exterior mirror
*	mirror with fold-in feature
**	models with automatic anti-dazzle exterior mirror
***	models with entry light in exterior mirror

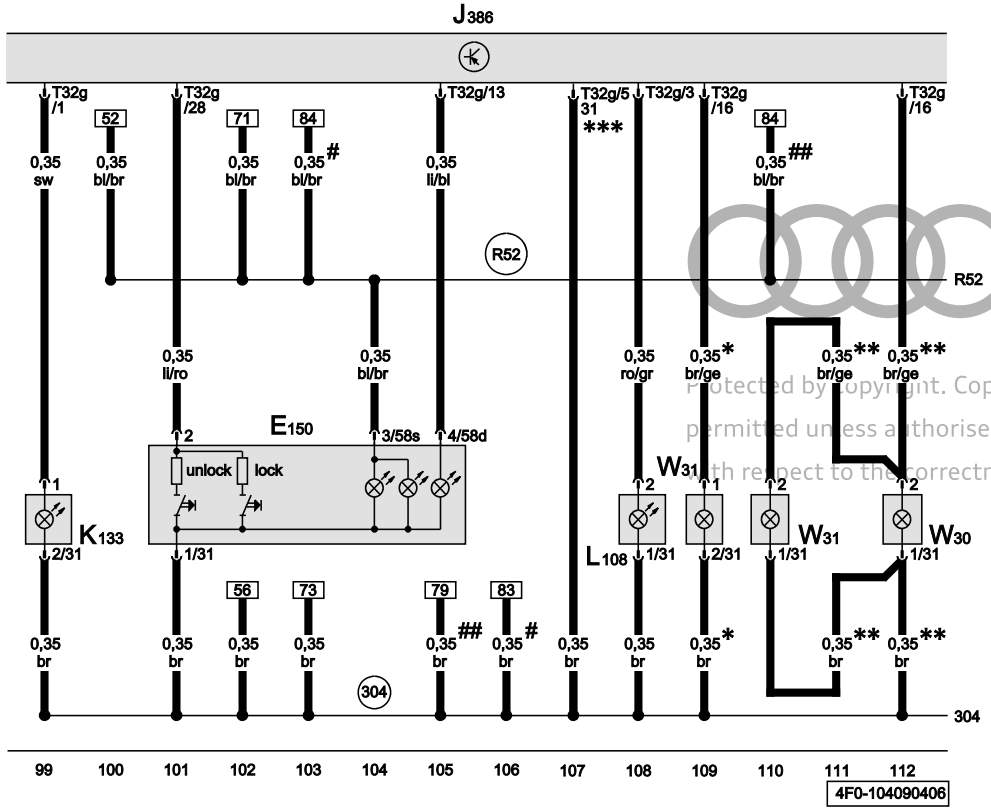


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Driver door control unit, driver side interior locking switch, driver door control unit, front left entry light, central locking deadlock function warning lamp

E150	Driver side interior locking switch
J386	Driver door control unit
K133	Central locking deadlock function warning lamp
L108	Driver door opener illumination bulb
T32g	32-pin connector, white, connector D, on driver door control unit
W30	Driver side door warning lamp
W31	Front left entry light
303	Earth connection 3, in driver door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	models without auxiliary inner lights
**	models with auxiliary inner lights
***	switch earth output
#	not USA
##	only USA

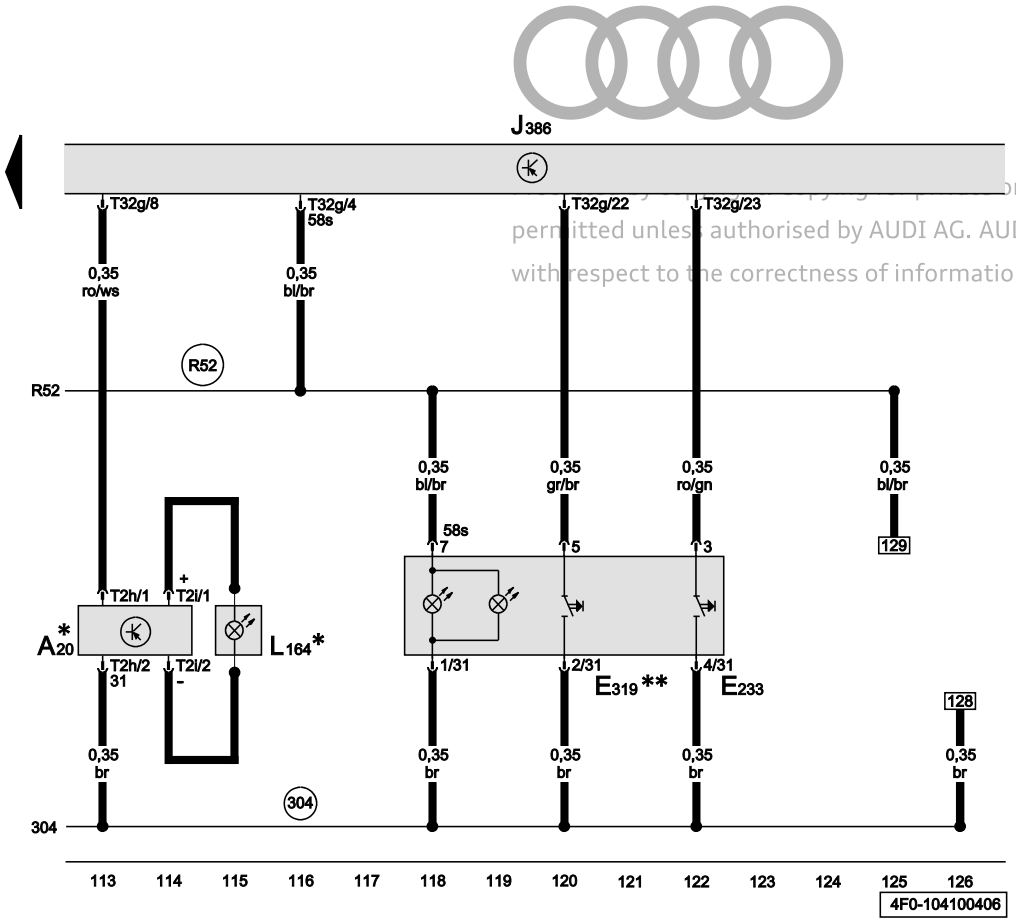


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Driver door control unit, driver door ambient lighting, fuel tank flap release button, rear lid remote release button

A20	Driver door ambient lighting voltage converter
E233	Rear lid remote release button
E319	Fuel tank flap release button
J386	Driver door control unit
L164	Driver door ambient lighting bulb
T2h	2-pin connector, on ambient lighting voltage converter
T2i	2-pin connector, on ambient lighting voltage converter
T32g	32-pin connector, white, connector D, on driver door control unit
303	Earth connection 3, in driver door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	models with auxiliary inner lights
**	only USA

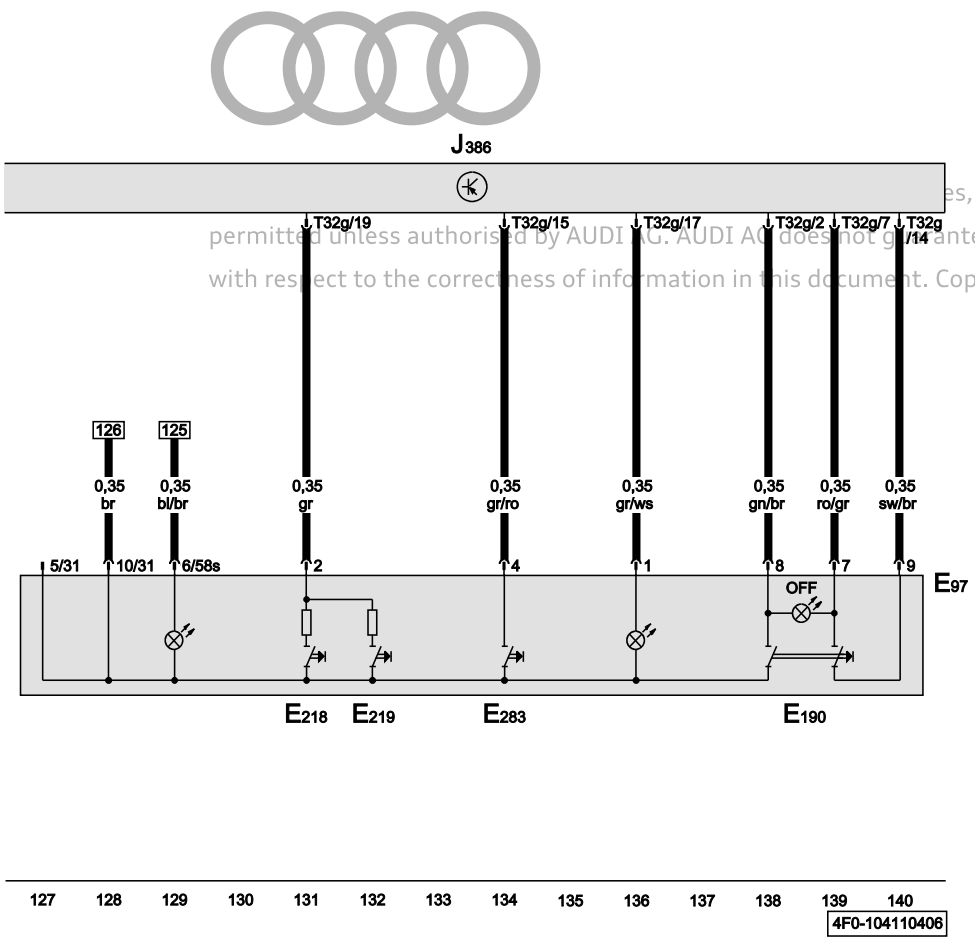


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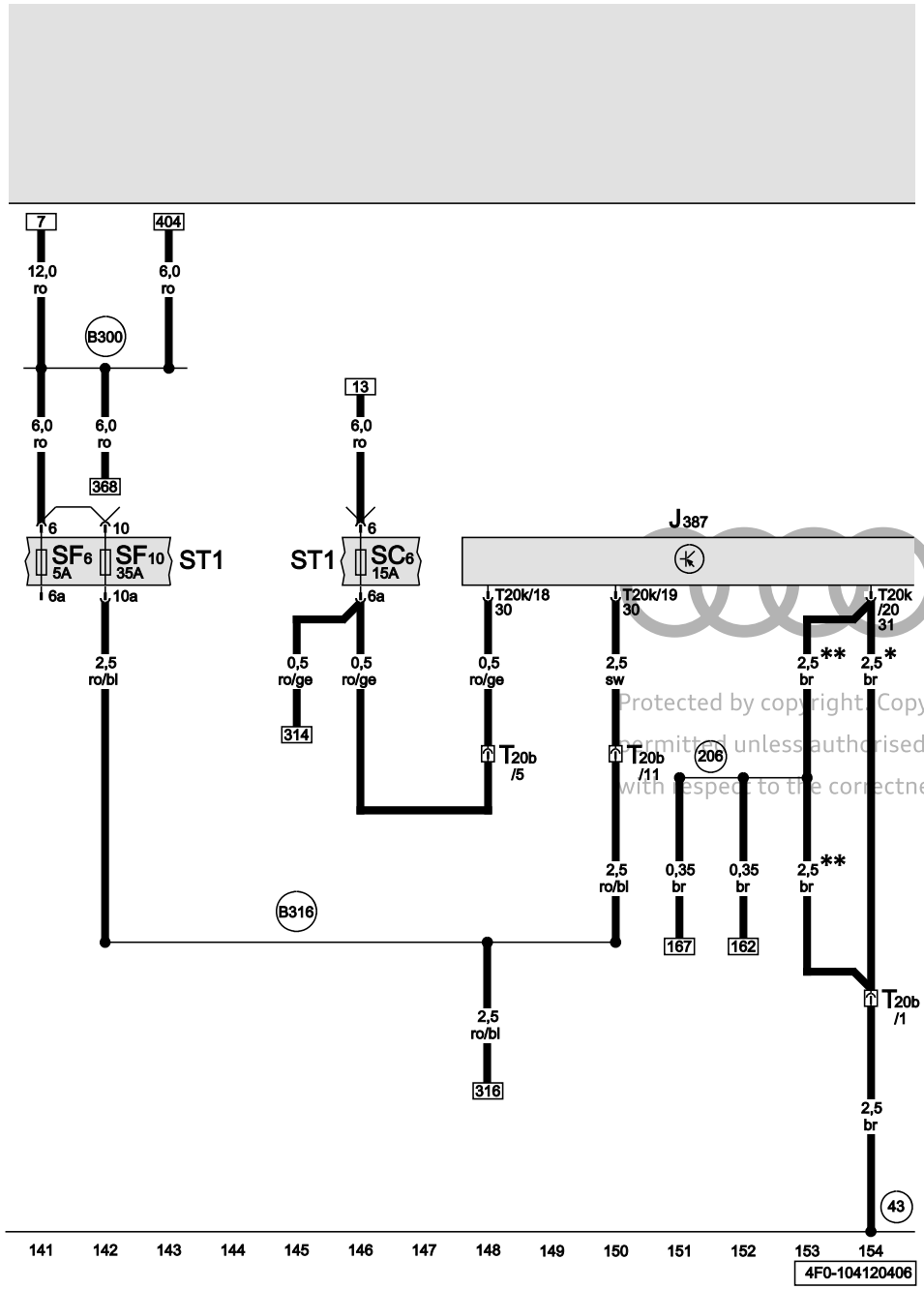
Driver door control unit, driver seat memory operating unit, emergency-off button

E97	Driver seat memory operating unit
E190	Emergency-off button
E218	Seat memory position button 1
E219	Seat memory position button 2
E283	Driver seat memory function button
J386	Driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit



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Front passenger door control unit

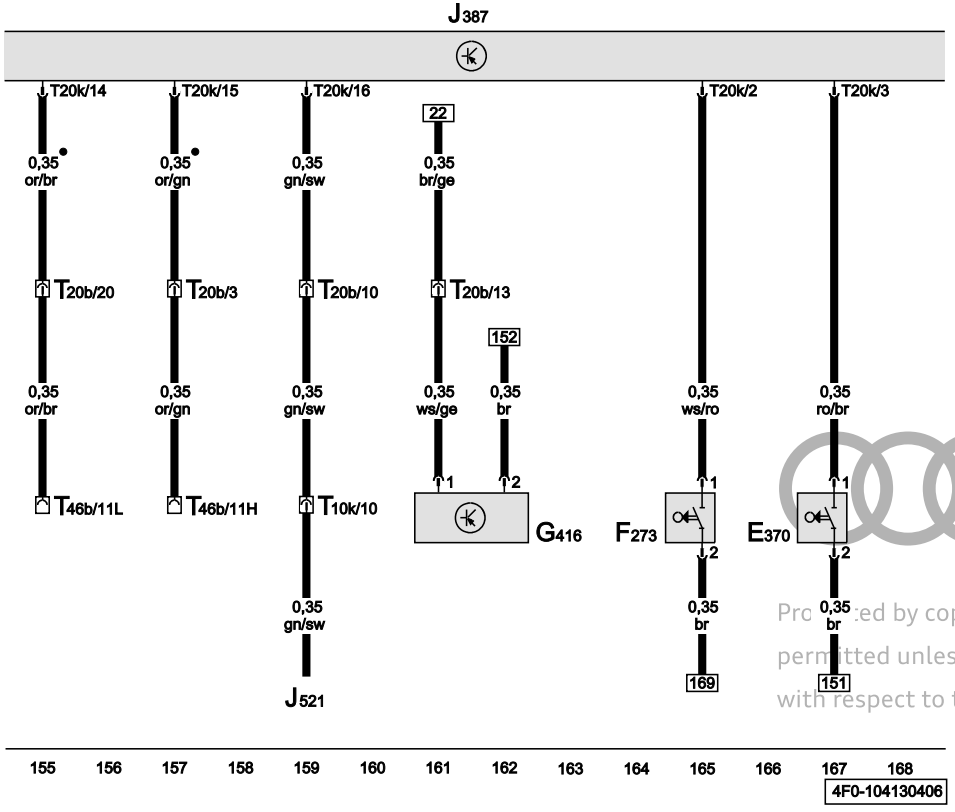
J387	Front passenger door control unit
SC6	Fuse 6 on fuse holder C
SF6	Fuse 8 on fuse holder F
SF10	Fuse 10 on fuse holder F
T20b	20-pin connector, black, right A-pillar
T20k	20-pin connector, black, connector B, on front passenger door control unit
43	Earth point, lower part of right A-pillar
206	Earth connection, in door wiring harness, front passenger side
B300	Positive connection 4 (30), in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	models without auxiliary equipment
**	models with auxiliary equipment

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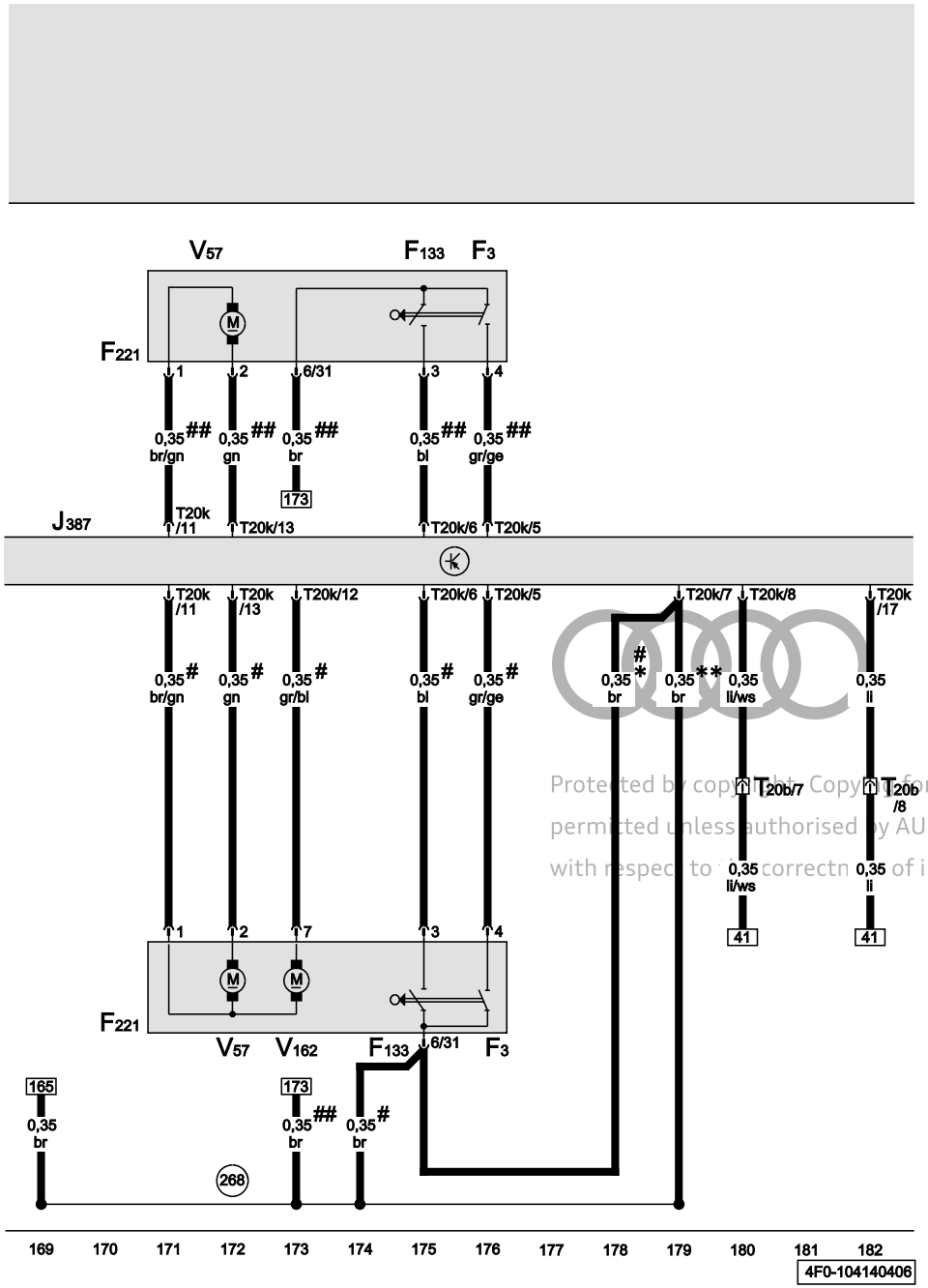
Front passenger door control unit, front passenger door exterior handle central locking button, front passenger door exterior handle switch, front passenger door exterior handle touch sensor

E370	Front passenger door exterior handle central locking button
F273	Front passenger door exterior handle switch
G416	Front passenger door exterior handle touch sensor
J387	Front passenger door control unit
J521	Front passenger seat adjustment with memory control unit
T10k	10-pin connector, red, on right of seat cross member
T20b	20-pin connector, black, right A-pillar
T20k	20-pin connector, black, connector B, on front passenger door control unit
T46b	46-pin connector, CAN separating connector right
•	CAN bus (data wire)



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Front passenger door control unit, front passenger door contact switch, front passenger side central locking lock unit, front passenger door central locking deadlock function motor

F3	Front passenger door contact switch
F133	Front right central locking actuator
F221	Front passenger side central locking lock unit
J387	Front passenger door control unit
T20b	20-pin connector, black, right A-pillar
T20k	20-pin connector, black, connector B, on front passenger door control unit
V57	Front passenger door central locking deadlock function motor
V162	Front passenger door central locking deadlock function motor
268	Earth connection 2, in front passenger side door wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation
#	not USA
##	only USA

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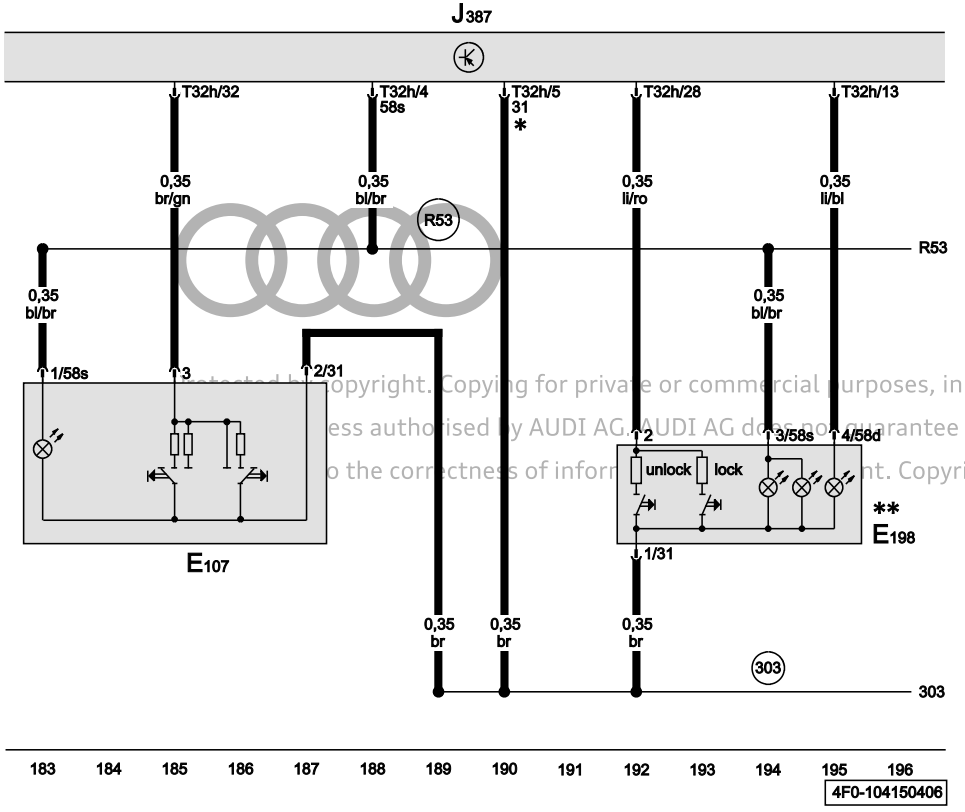
Front passenger door control unit, window regulator switch in front passenger door, front passenger side interior locking switch

E107 Window regulator switch in front passenger door
E198 Front passenger side interior locking switch
J387 Front passenger door control unit
T32h 32-pin connector, white, connector D, on front passenger door control unit

304 Earth connection 3, in front passenger side door wiring harness

R53 Connection (58s), in front passenger side door wiring harness

* switch earth output
** only USA

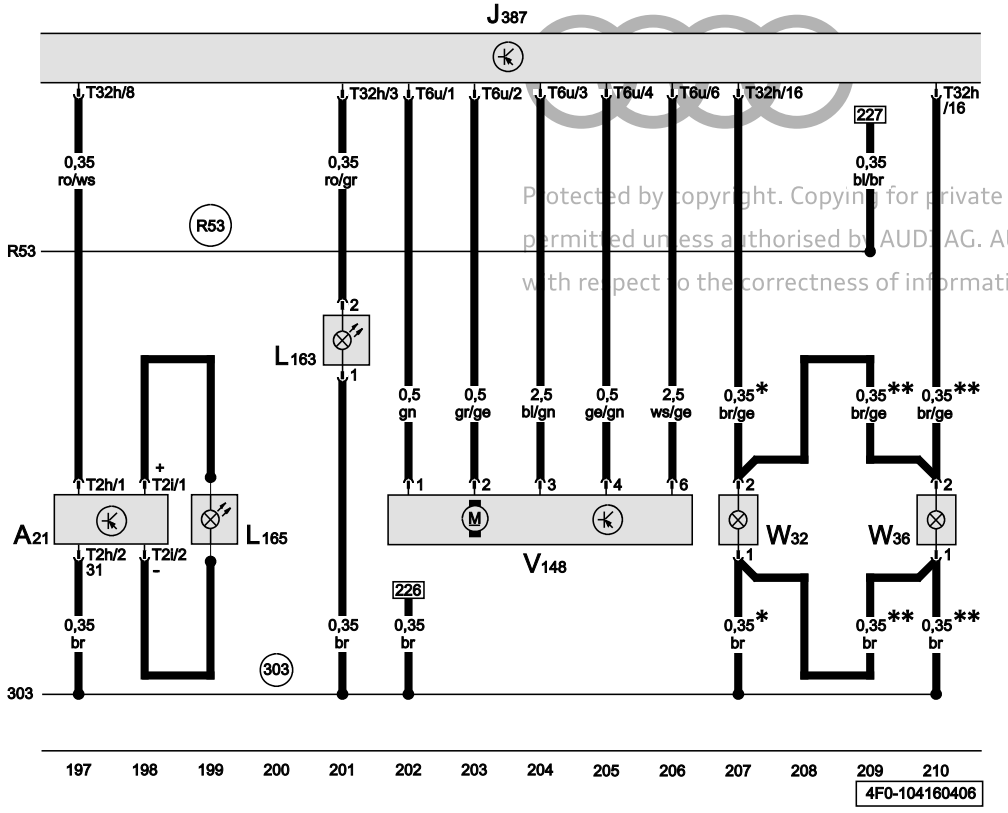


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Front passenger door control unit, front passenger side window regulator motor, front passenger door ambient lighting, front right entry light, front passenger side door warning lamp, front right door exterior handle illumination bulb

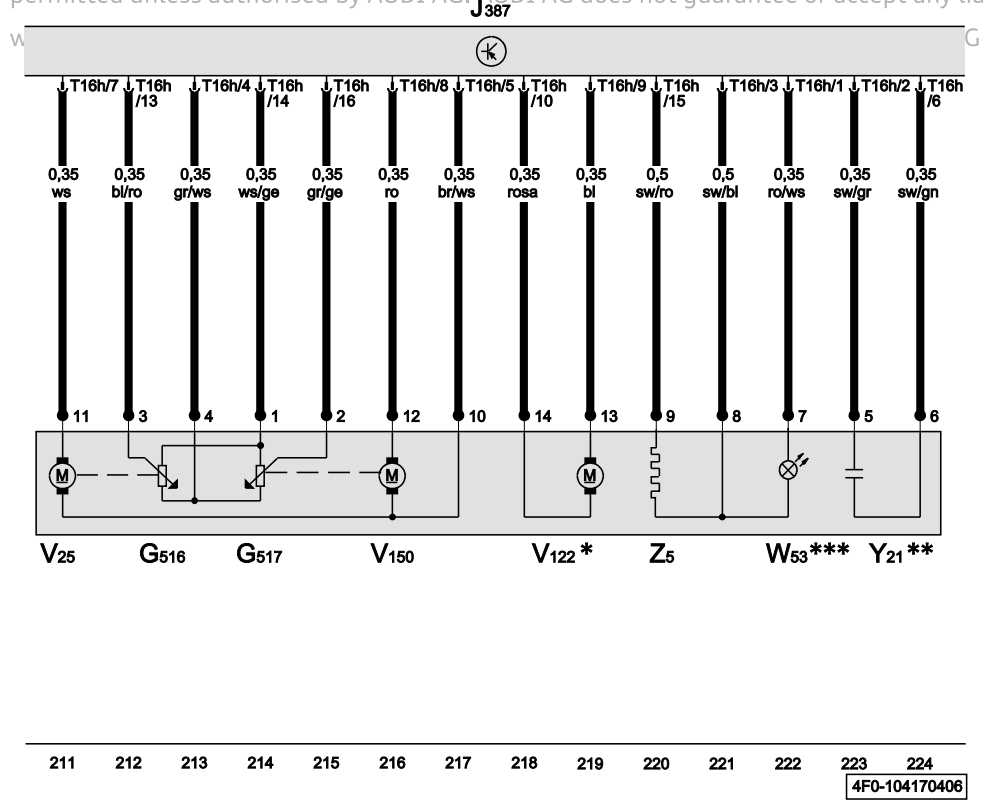
A21	Front passenger door ambient lighting voltage converter
J387	Front passenger door control unit
L163	Front right door exterior handle illumination bulb
L165	Front passenger door ambient lighting bulb
T6u	6-pin connector, black, connector A, on front passenger door control unit
T32h	32-pin connector, white, connector D, on front passenger door control unit
V148	Front passenger side window regulator motor
W32	Front right entry light
W36	Front passenger side door warning lamp
304	Earth connection 3, in front passenger side door wiring harness
R53	Connection (58s), in front passenger side door wiring harness
*	models without auxiliary inner lights
**	models with auxiliary inner lights



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Front passenger door control unit, front passenger side mirror adjustment, front passenger side fold-in mirror motor, front passenger side entry light in exterior mirror, front passenger side automatic anti-dazzle exterior mirror, front passenger side heated exterior mirror

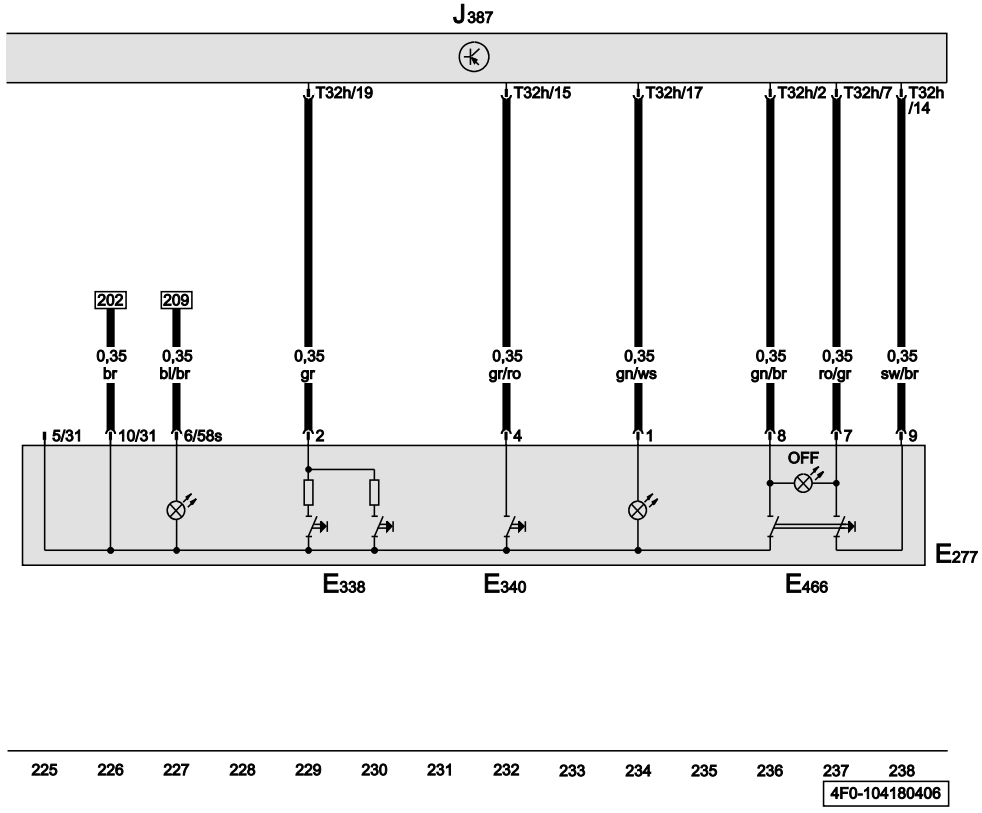
G516	Potentiometer for horizontal adjustment of front passenger side mirror
G517	Potentiometer for vertical adjustment of front passenger side mirror
J387	Front passenger door control unit
T16h	16-pin connector, black, connector C, on front passenger door control unit
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V150	Front passenger side mirror adjustment motor
W53	Front passenger side entry light in exterior mirror
Y21	Front passenger side automatic anti-dazzle exterior mirror
Z5	Front passenger side heated exterior mirror
*	mirror with fold-in feature
**	models with automatic anti-dazzle exterior mirror
***	models with entry light in exterior mirror

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Front passenger door control unit, front passenger seat memory operating unit, front passenger side emergency off button

E277 Front passenger seat memory operating unit
E338 Seat memory button for seat positions 1 and 2
E340 Front passenger seat memory function button
E466 Front passenger side emergency off button
J387 Front passenger door control unit
T32h 32-pin connector, white, connector D, on front passenger door control unit

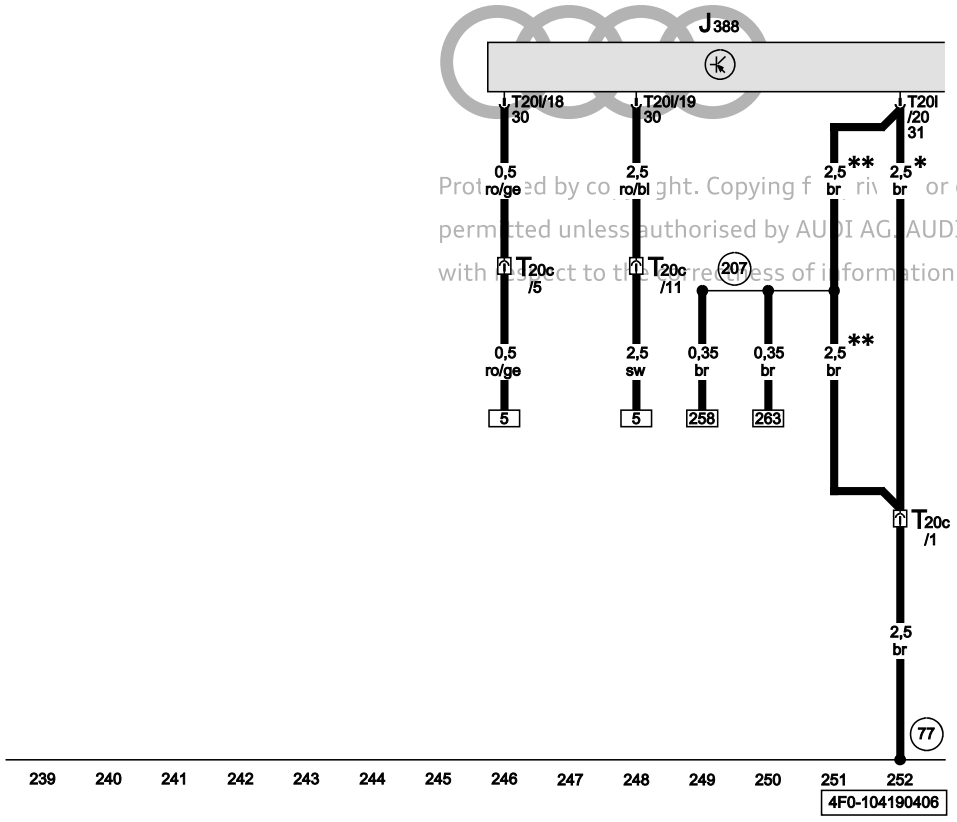
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Rear left door control unit

J388	Rear left door control unit
T20c	20-pin connector, black, left B-pillar
T20l	20-pin connector, black, connector B, on rear left door control unit
77	Earth point, lower part of left B-pillar
207	Earth connection, in rear left door wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation

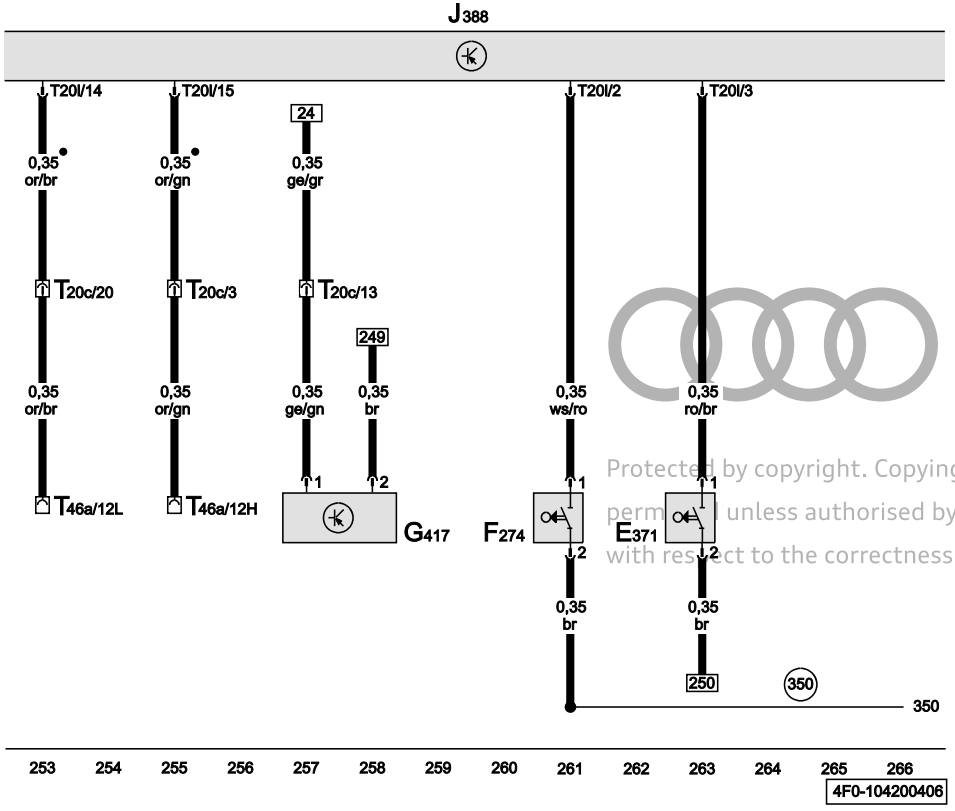


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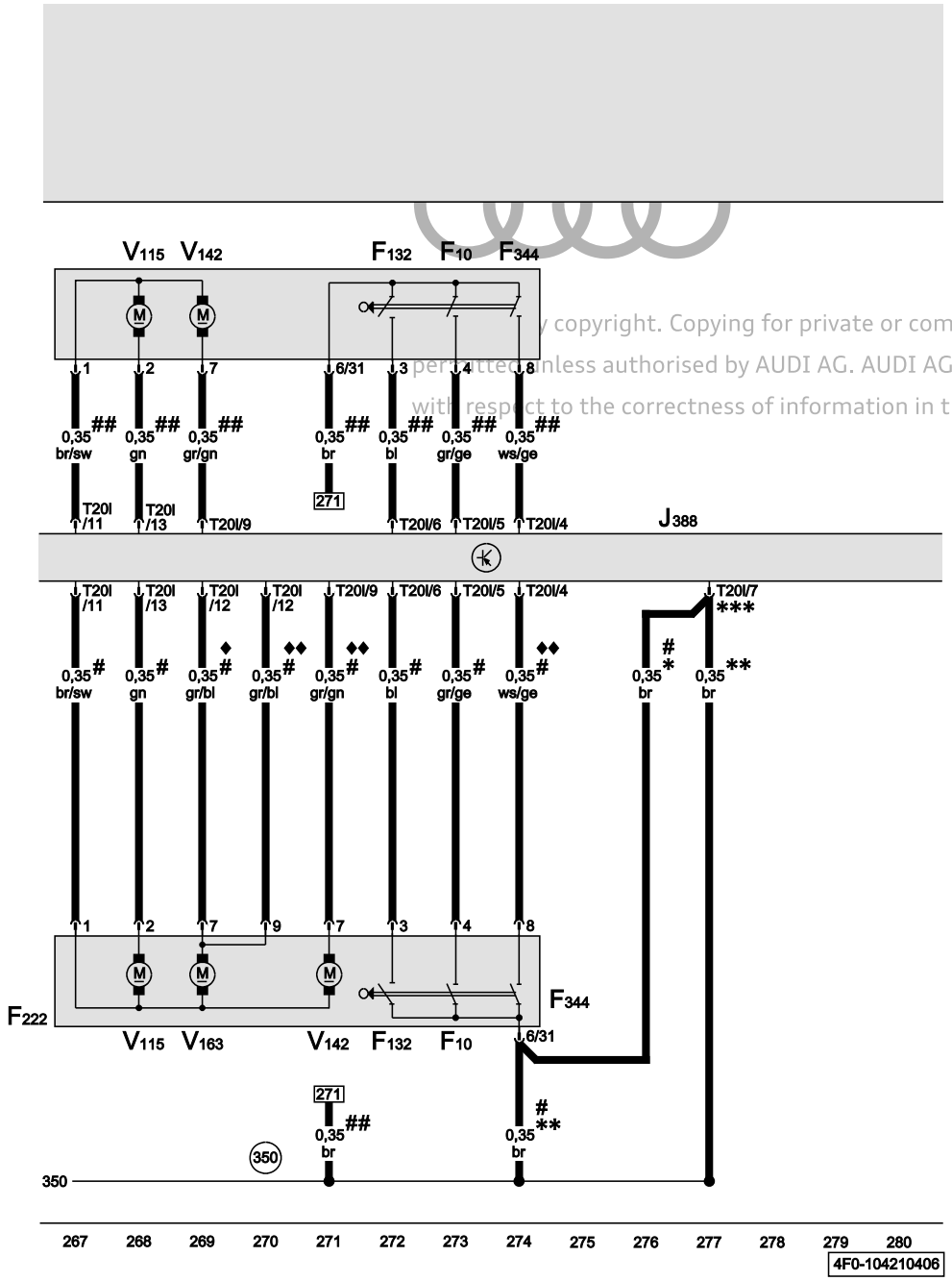
Rear left door control unit, rear left door exterior handle central locking button, rear left door exterior handle switch, rear left door exterior handle touch sensor

E371	Rear left door exterior handle central locking button
F274	Rear left door exterior handle switch
G417	Rear left door exterior handle touch sensor
J388	Rear left door control unit
T20c	20-pin connector, black, left B-pillar
T20l	20-pin connector, black, connector B, on rear left door control unit
T46a	46-pin connector, CAN separating connector left
350	Earth connection 2, in rear left door wiring harness
•	CAN bus (data wire)



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Rear left door control unit, rear left central locking lock unit, rear left door central locking motor, rear left door contact switch, rear left door central locking deadlock function motor

F10	Rear left door contact switch
F132	Rear left central locking actuator
F222	Rear left central locking lock unit
F344	Rear left childproof lock contact switch
J388	Rear left door control unit
T20l	20-pin connector, black, connector B, on rear left door control unit
V115	Rear left door central locking motor
V142	Rear left childproof lock motor
V163	Rear left door central locking deadlock function motor
350	Earth connection 2, in rear left door wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation
***	switch earth output
#	not USA
##	only USA
◆	models without childproof lock
◆◆	models with childproof lock

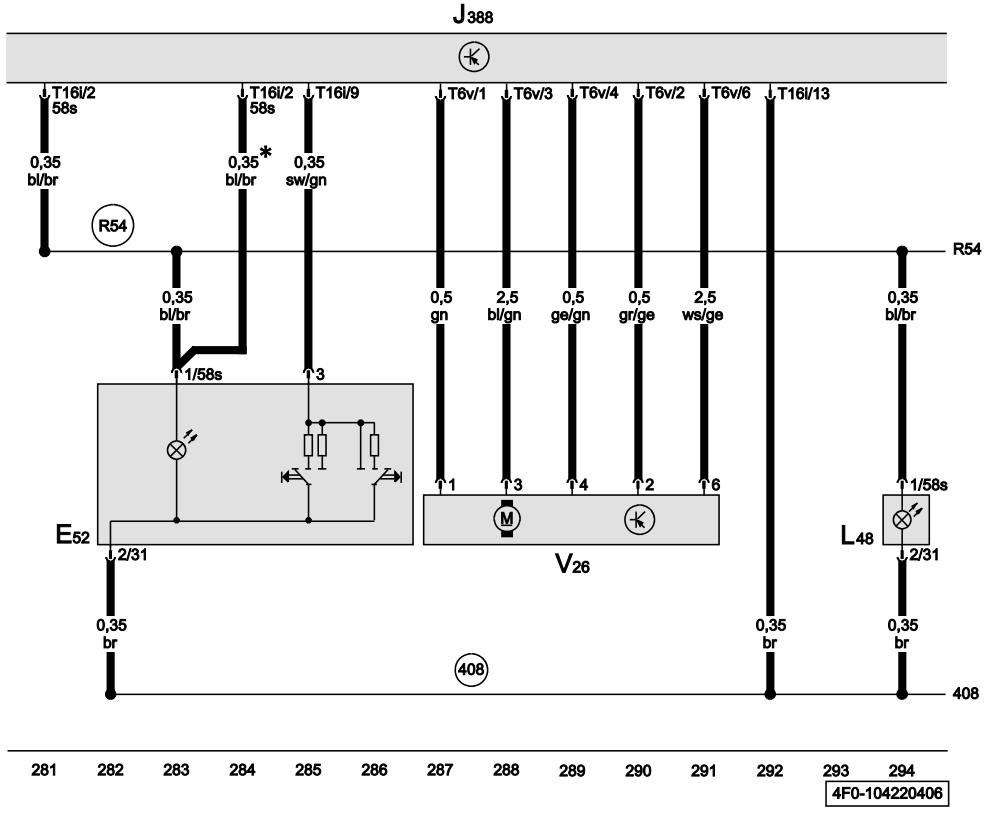
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Rear left door control unit, rear left window regulator switch, in door, rear left ashtray illumination bulb, rear left window regulator motor

E52	Rear left window regulator switch, in door
J388	Rear left door control unit
L48	Rear left ashtray illumination bulb
T6v	6-pin connector, black, connector A, on rear left door control unit
T16i	16-pin connector, black, connector C, on rear left door control unit
V26	Rear left window regulator motor
408	Earth connection 3, in rear left door wiring harness
R54	Connection (58s), in rear left door wiring harness
*	models without rear ashtray

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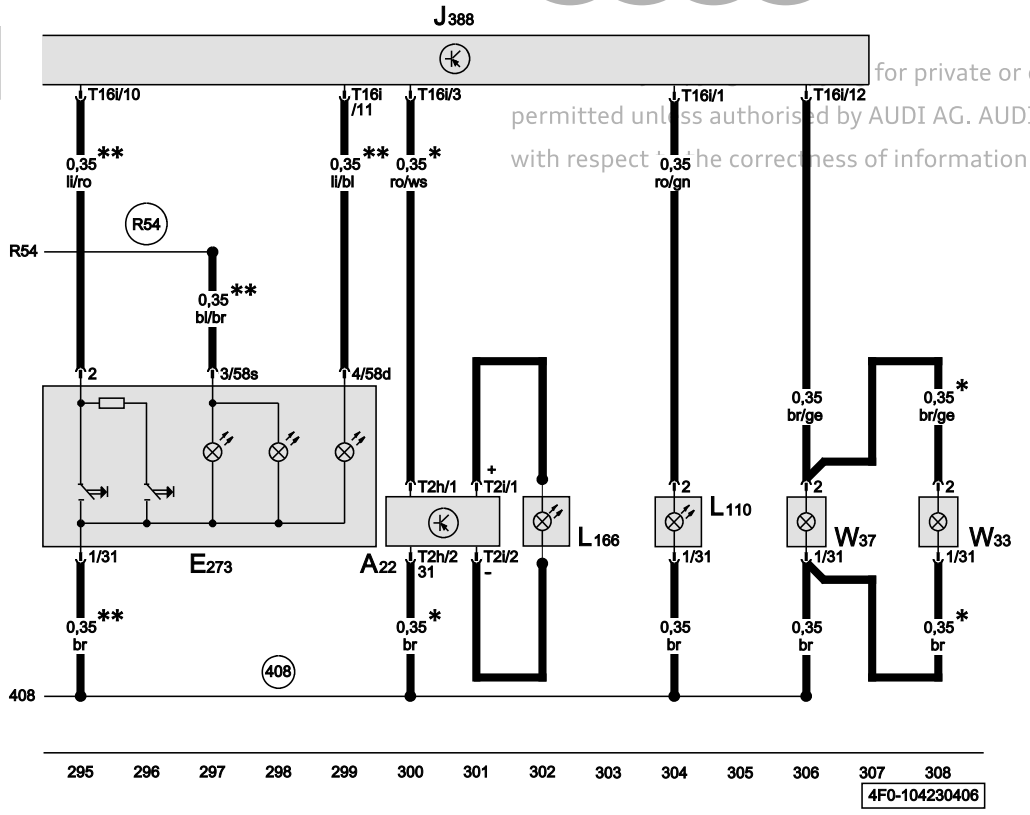


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Rear left door control unit, rear left interior locking switch, rear left door opener illumination bulb, rear left door ambient lighting bulb, rear left entry light, rear left door warning lamp

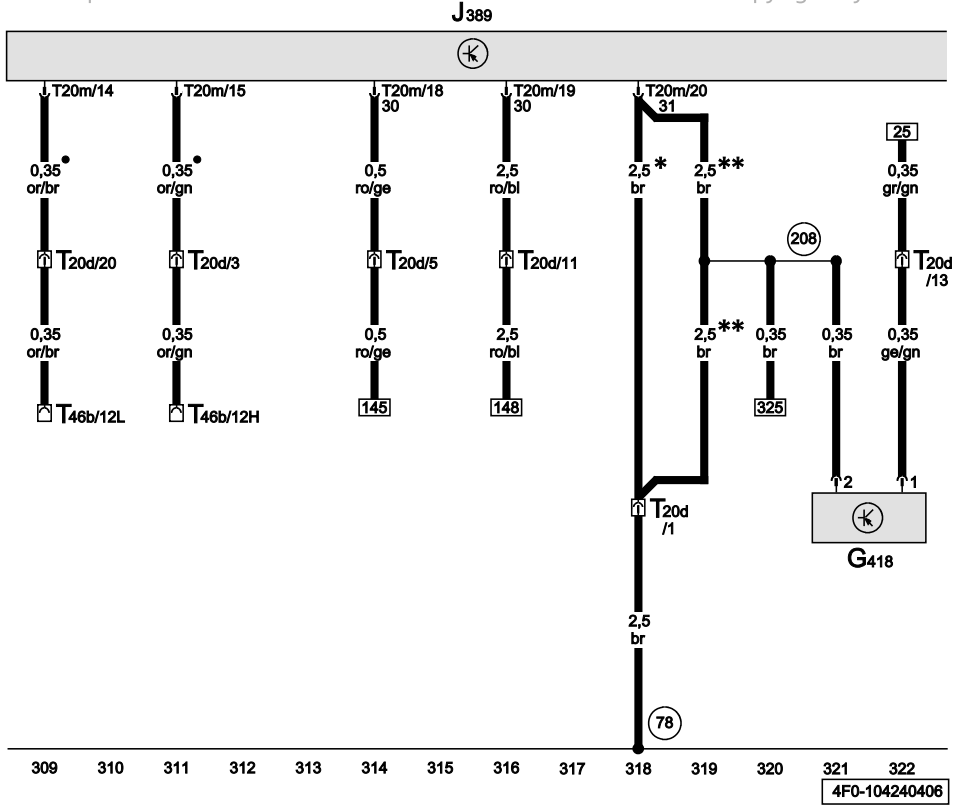
A22	Rear left door ambient lighting voltage converter
E273	Rear left interior locking switch
J388	Rear left door control unit
L110	Rear left door opener illumination bulb
L166	Rear left door ambient lighting bulb
T2h	2-pin connector, on ambient lighting voltage converter
T2i	2-pin connector, on ambient lighting voltage converter
T16i	16-pin connector, black, connector C, on rear left door control unit
W33	Rear left entry light
W37	Rear left door warning lamp
408	Earth connection 3, in rear left door wiring harness
*	models with auxiliary interior lights
**	only USA

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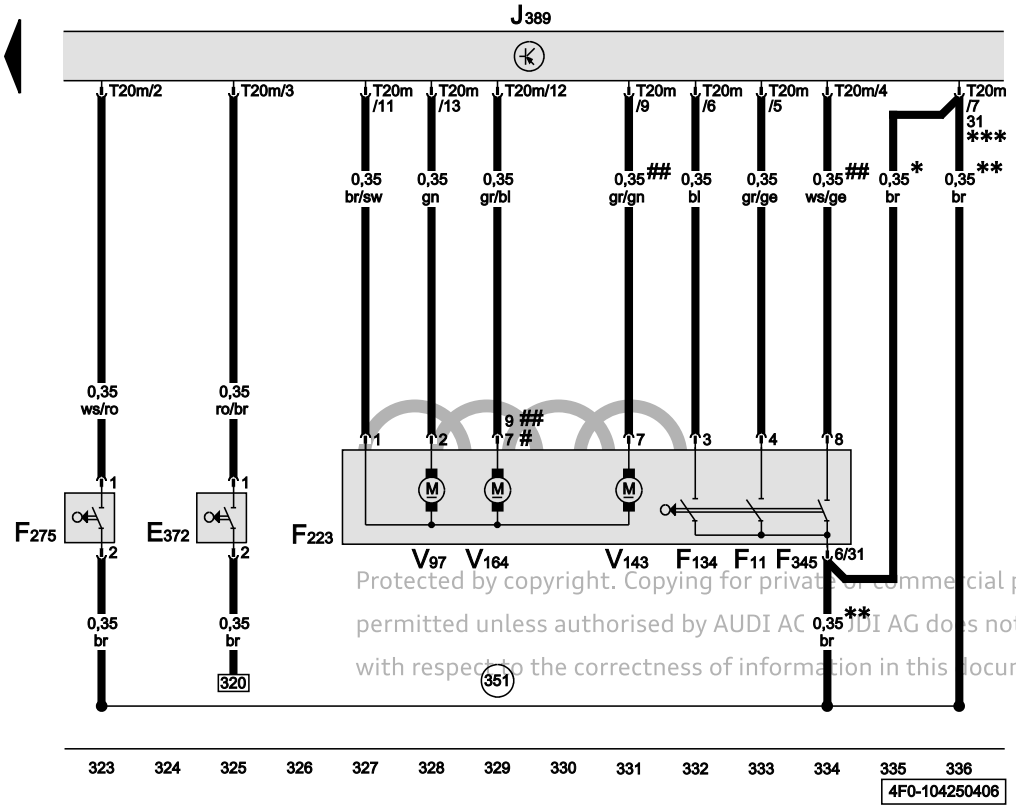
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Rear right door control unit, rear right door exterior door handle touch sensor

G418	Rear right door exterior door handle touch sensor
J389	Rear right door control unit
T20d	20-pin connector, black, right B-pillar
T20m	20-pin connector, black, connector B, on rear right door control unit
T46b	46-pin connector, CAN separating connector right
78	Earth point, lower part of right B-pillar
208	Earth connection, in rear right door wiring harness
•	CAN bus (data wire)
*	models without entry and start authorisation
**	models with entry and start authorisation

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



Rear right door control unit, rear right door exterior handle central locking button, rear right central locking actuator, rear right central locking lock unit, rear right door exterior handle switch, rear right childproof lock motor

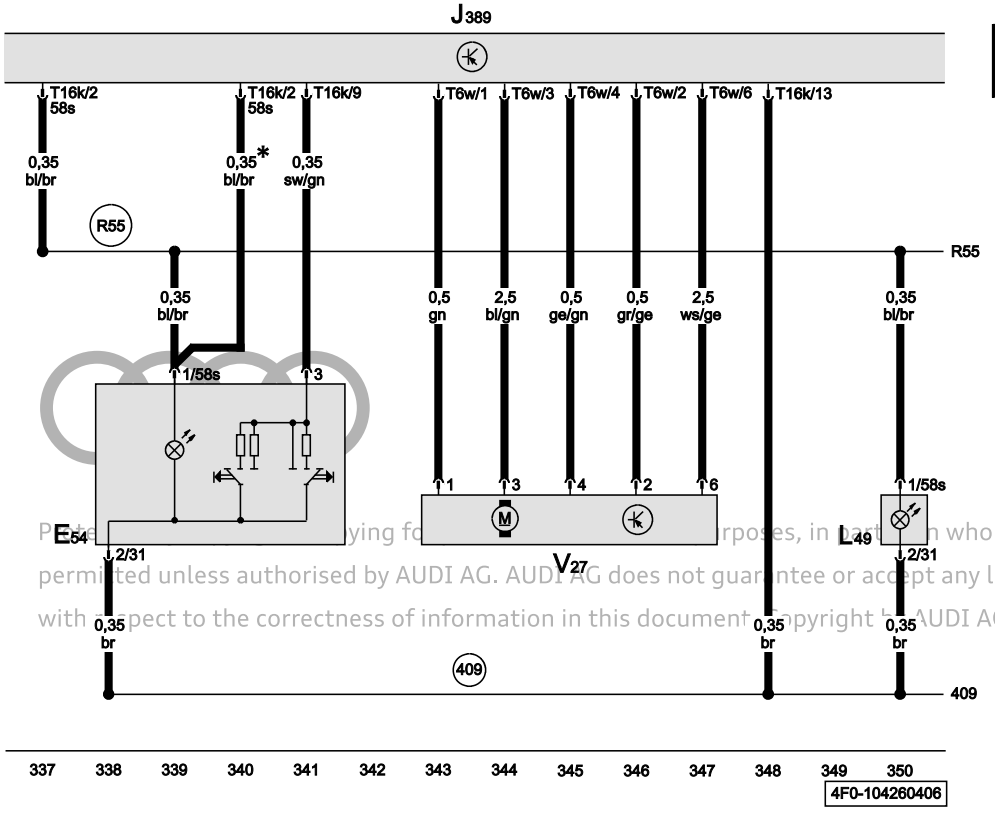
E372	Rear right door exterior handle central locking button
F11	Rear right door contact switch
F134	Rear right central locking actuator
F223	Rear right central locking lock unit
F275	Rear right door exterior handle switch
F345	Rear right childproof lock contact switch
J389	Rear right door control unit
T20m	20-pin connector, black, connector B, on rear right door control unit
V97	Rear right door central locking motor
V143	Rear right childproof lock motor
V164	Rear right door central locking deadlock function motor
351	Earth connection 2, in rear right door wiring harness
*	models without entry and start authorisation
**	models with entry and start authorisation
***	switch earth output
#	models without childproof lock
##	models with childproof lock

ws	=	white
sw	=	black
ro	=	red
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Rear right door control unit, rear right window regulator switch, in door, rear right ashtray illumination bulb, rear right window regulator motor

E54	Rear right window regulator switch, in door
J389	Rear right door control unit
L49	Rear right ashtray illumination bulb
T6w	6-pin connector, black, connector A, on rear right door control unit
T16k	16-pin connector, black, connector C, on rear right door control unit
V27	Rear right window regulator motor
409	Earth connection 3, in rear right door wiring harness
R55	Connection (58s), in rear right door wiring harness
*	models without rear ashtray



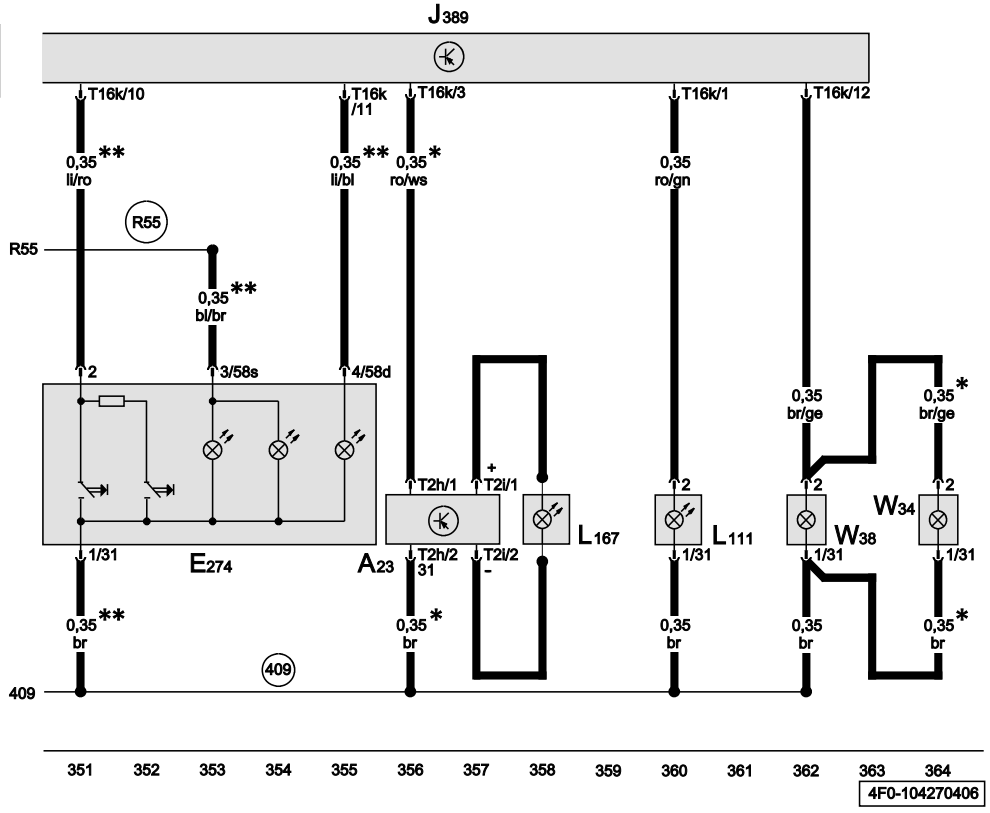
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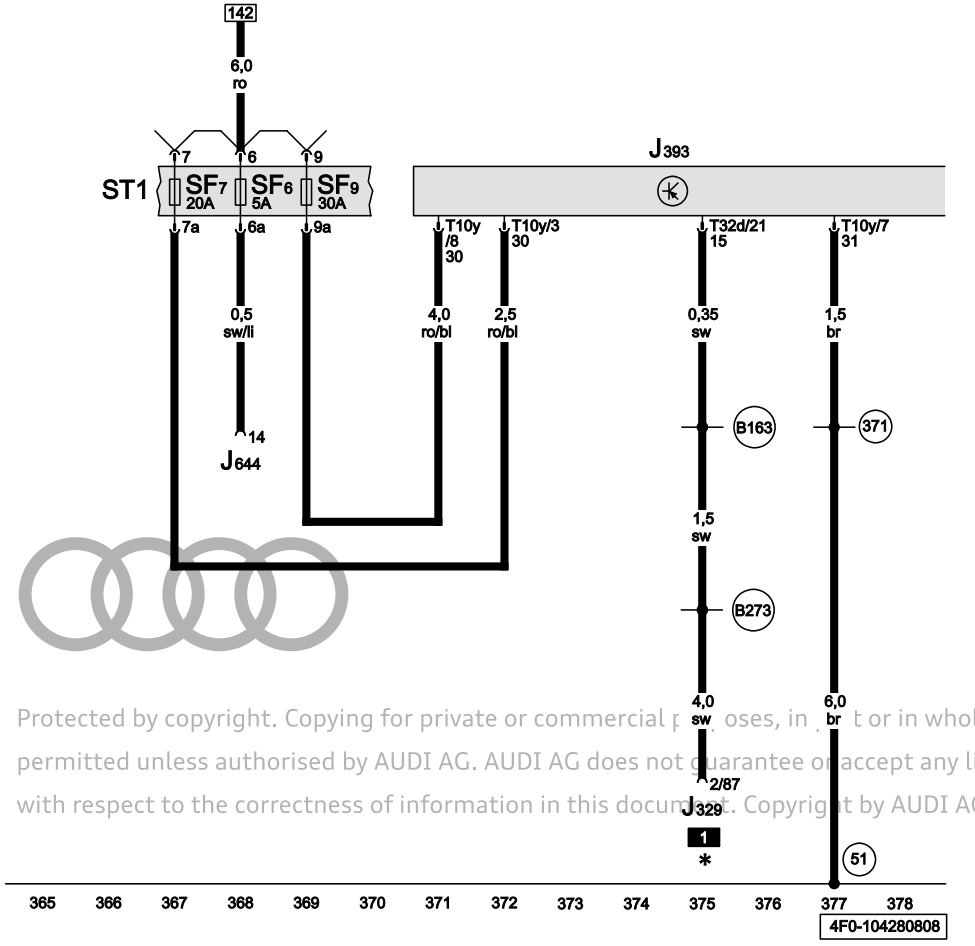
Rear right door control unit, rear right door ambient lighting bulb, rear right entry light, rear right door warning lamp, rear right door opener illumination bulb, rear right interior locking switch

A23	Rear right door ambient lighting voltage converter
E274	Rear right interior locking switch
J389	Rear right door control unit
L111	Rear right door opener illumination bulb
L167	Rear right door ambient lighting bulb
T2h	2-pin connector, on ambient lighting voltage converter
T2i	2-pin connector, on ambient lighting voltage converter
T16k	16-pin connector, black, connector C, on rear right door control unit
W34	Rear right entry light
W38	Rear right door warning lamp
409	Earth connection 3, in rear right door wiring harness
*	models with auxiliary interior lights
**	only USA

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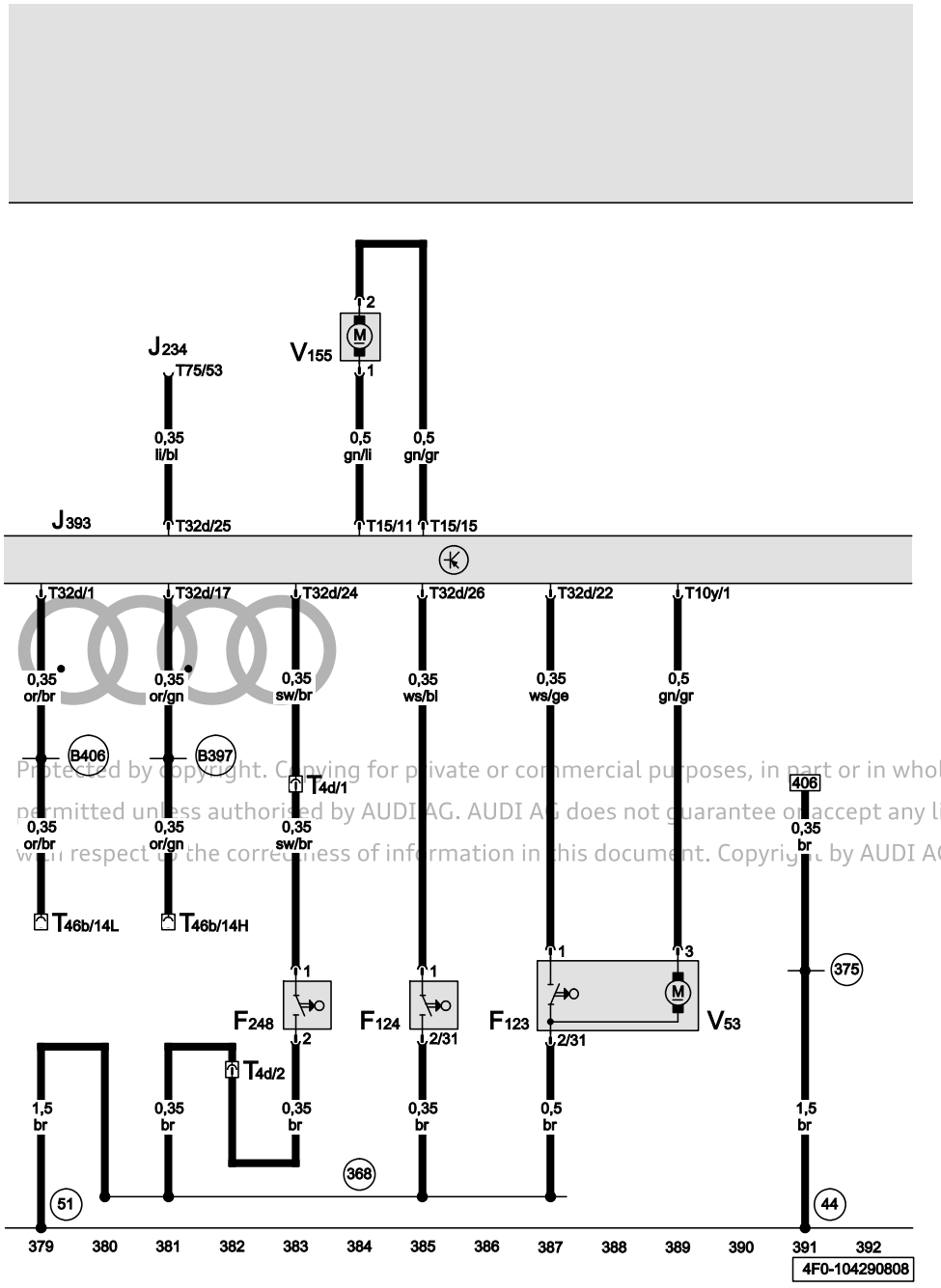


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Convenience system central control unit, fuses

J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
J644	Energy management control unit
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
SF9	Fuse 9 on fuse holder F
T10y	10-pin connector, black, connector C, on convenience system control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
*	9-point relay carrier, behind driver storage compartment

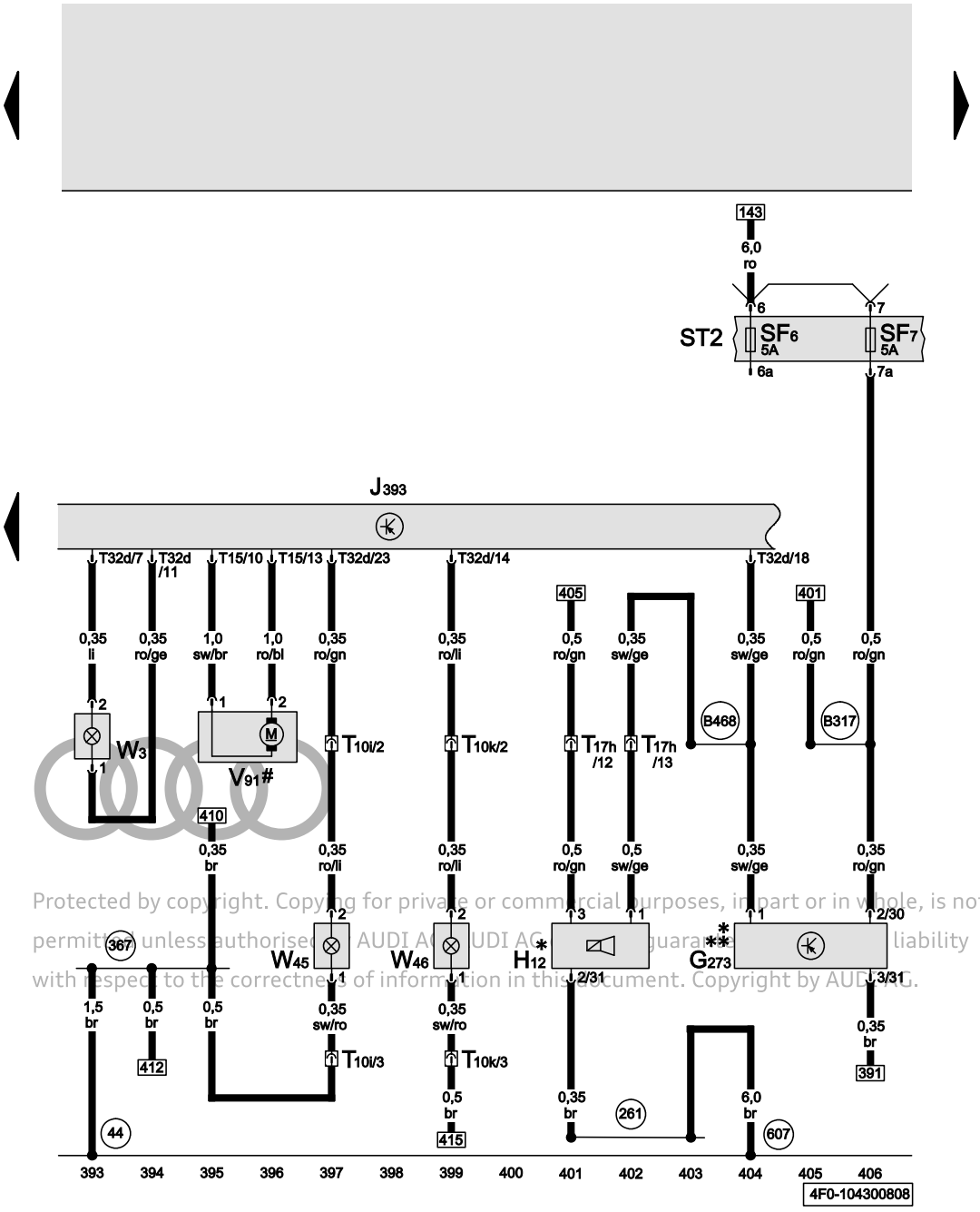


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Convenience system central control unit, rear lid contact switch for anti-theft alarm, release button for rear lid lock cylinder

F123	Rear lid contact switch for anti-theft alarm system
F124	Contact switch in lock cylinder for rear lid, anti-theft alarm system, central locking system
F248	Release button for rear lid lock cylinder
J234	Airbag control unit
J393	Convenience system central control unit
T4d	4-pin connector, black, rear lid
T10y	10-pin connector, black, connector C, on convenience system control unit
T15	15-pin connector, brown, connector A, on convenience system central control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T46b	46-pin connector, CAN separating connector right
T75	75-pin connector, grey, on airbag control unit
V53	Rear lid central locking motor
V155	Tank filler flap locking motor
44	Earth point, lower part of left A-pillar
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
375	Earth connection 10, 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
•	CAN bus (data wire)



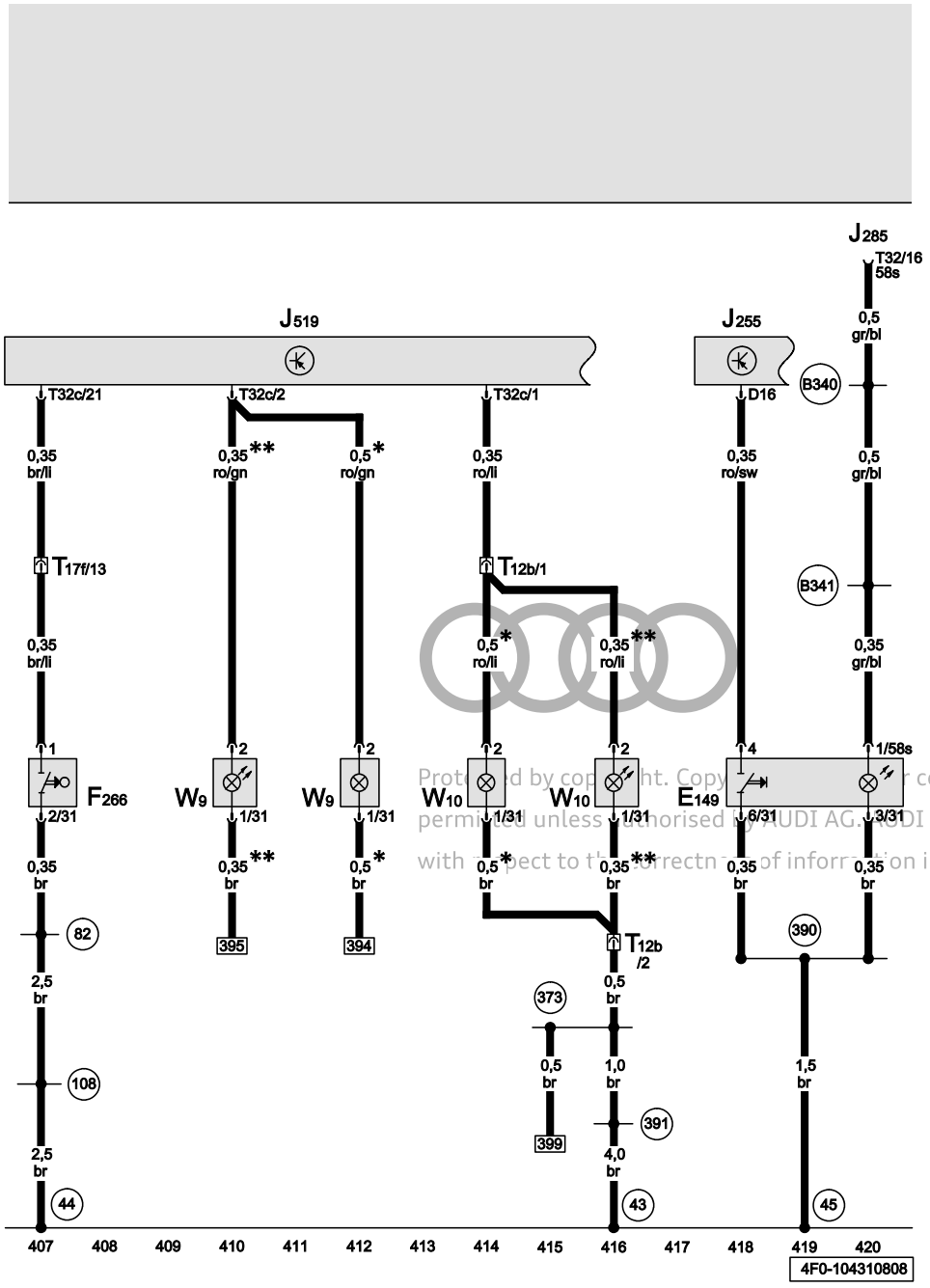
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Convenience system central control unit, luggage compartment light, rear left and right footwell light, alarm horn, rear roller blind motor, interior monitoring sensor

G273	Interior monitoring sensor
H12	Alarm horn
J393	Convenience system central control unit
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
T10i	10-pin connector, red, on left of seat cross member
T10k	10-pin connector, red, on right of seat cross member
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V91	Rear roller blind motor
W3	Luggage compartment light
W45	Rear left footwell light
W46	Rear right footwell light
44	Earth point, lower part of left A-pillar
261	Earth connection, in heated washer jet wiring harness
367	Earth connection 2, in main wiring harness
607	Earth point, on left in plenum chamber
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4 in main wiring harness
*	models with anti-theft alarm
**	models with anti-theft alarm and interior monitor
#	models with rear roller blind

Onboard supply control unit, bonnet contact switch, left and right footwell light, rear roller blind switch



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E149	Rear roller blind switch
F266	Bonnet contact switch
J255	Climatronic control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
T12b	12-pin connector, black, on right behind dash panel
T17f	17-pin connector, green, coupling station on left of A-pillar
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, connector C, on onboard supply control unit
W9	Left footwell light
W10	Right footwell light
43	Earth point, lower part of right A-pillar
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
391	Earth connection 26, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	models without auxiliary lights
**	models with auxiliary lights

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

Preparation for mobile telephone (9ZD)

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

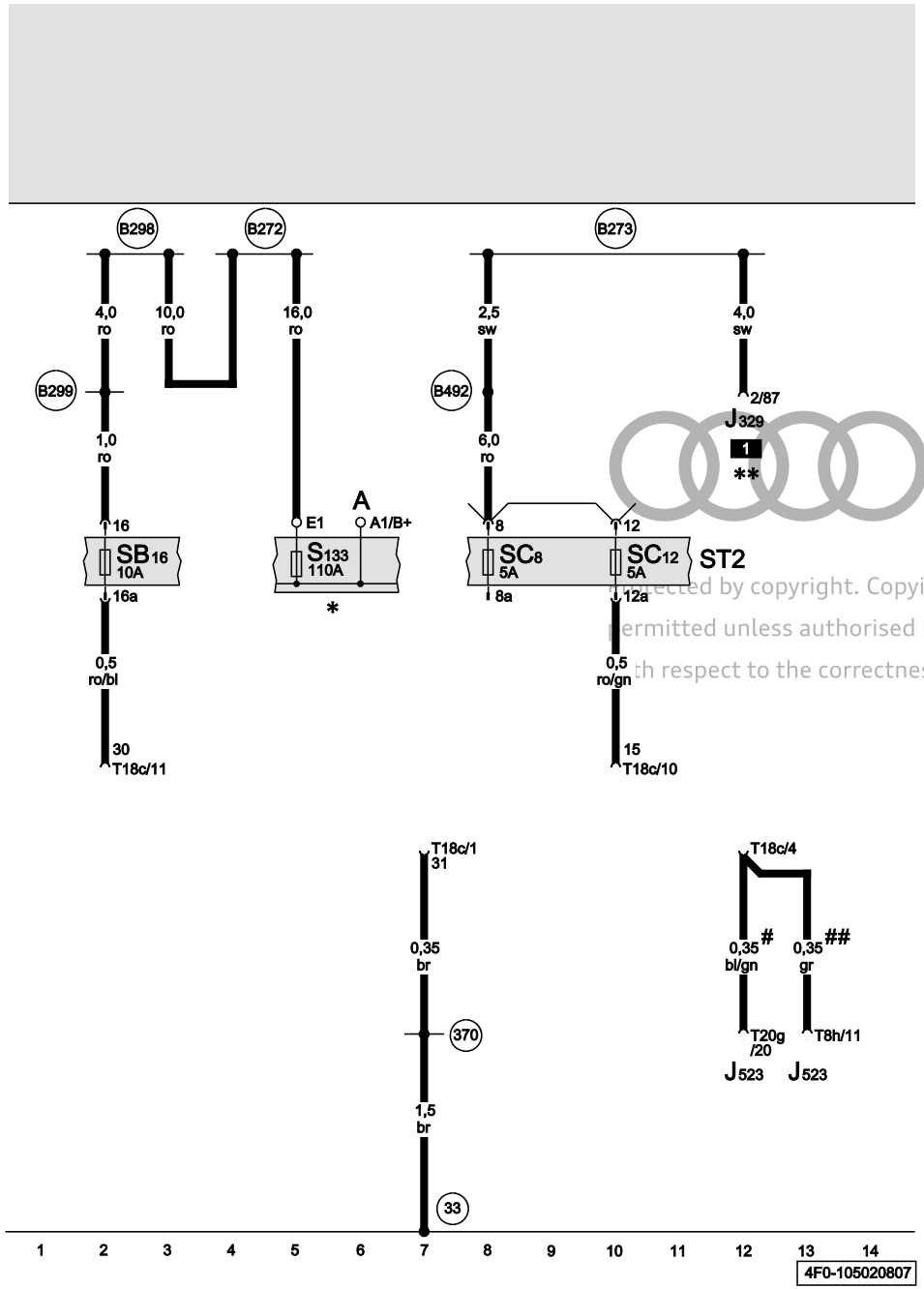
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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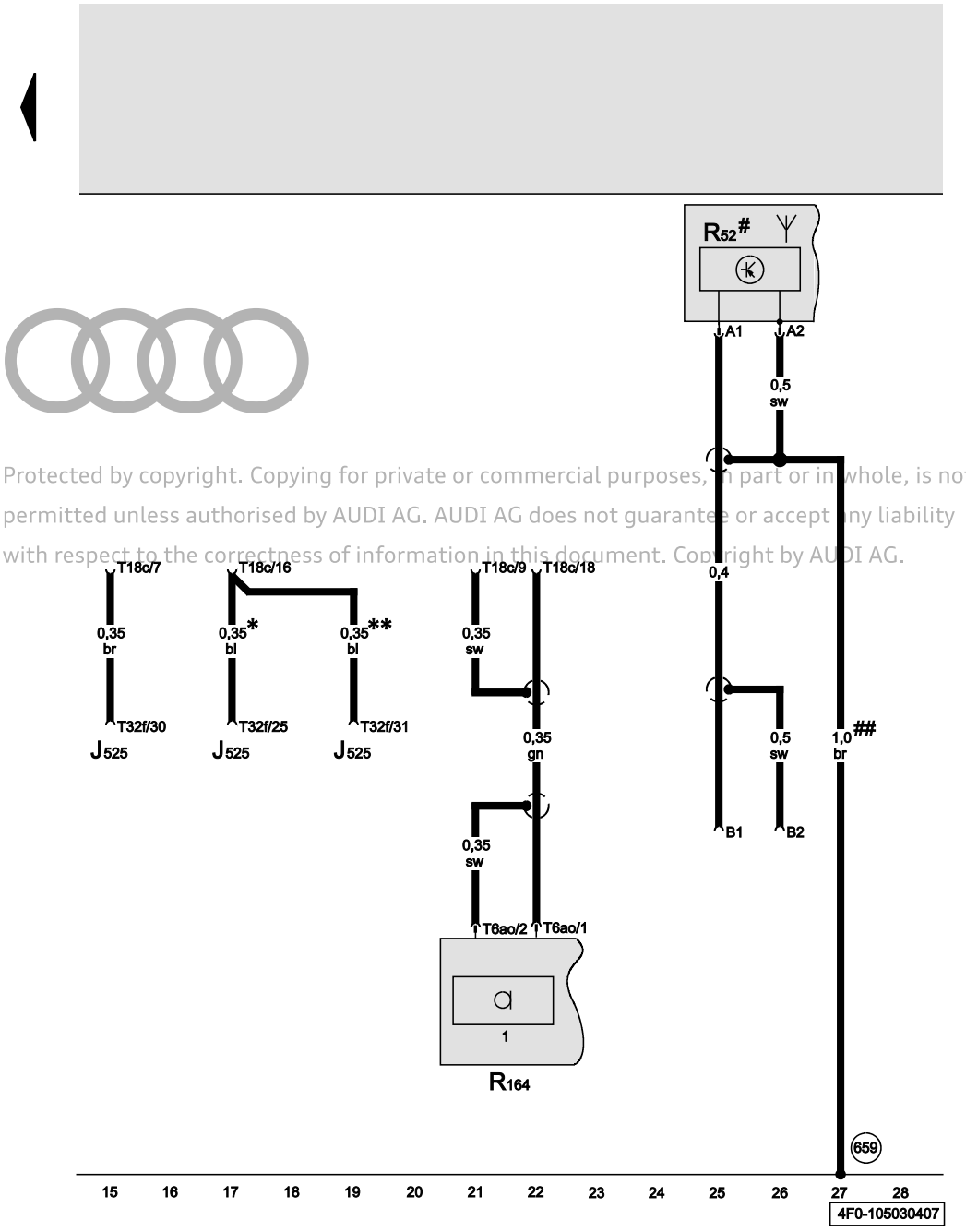


Preparation for mobile telephone

A	Battery
J329	Terminal 15 voltage supply relay
J523	Front information display and operating unit control unit
S133	Fuse 3
SB16	Fuse 16 on fuse holder B
SC8	Fuse 8 on fuse holder C
SC12	Fuse 12 on fuse holder C
T8h	8-pin connector, black, connector D, on front information display and operating unit control unit
T18c	18-pin connector, black, behind the glove box
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
**	9-point relay carrier, behind driver storage compartment
#	models with MMI
##	models with MMI basic, MMI basic plus

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
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rs	=	pink

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Preparation for mobile telephone

J525	Digital sound package control unit
R52	Radio, telephone and navigation system aerial
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T18c	18-pin connector, black, behind the glove box
T32f	32-pin connector, black, connector A, on digital sound package control unit
659	Earth point 1, on right near rear window
*	models with DSP-soundsystem (9VD)
**	models with BOSE soundsystem (8RY)
#	roof aerial
##	only saloon models

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

Audi A6 2.8 l Fuel injection engine (154 kW - 6 cylinder), engine code BDX

from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

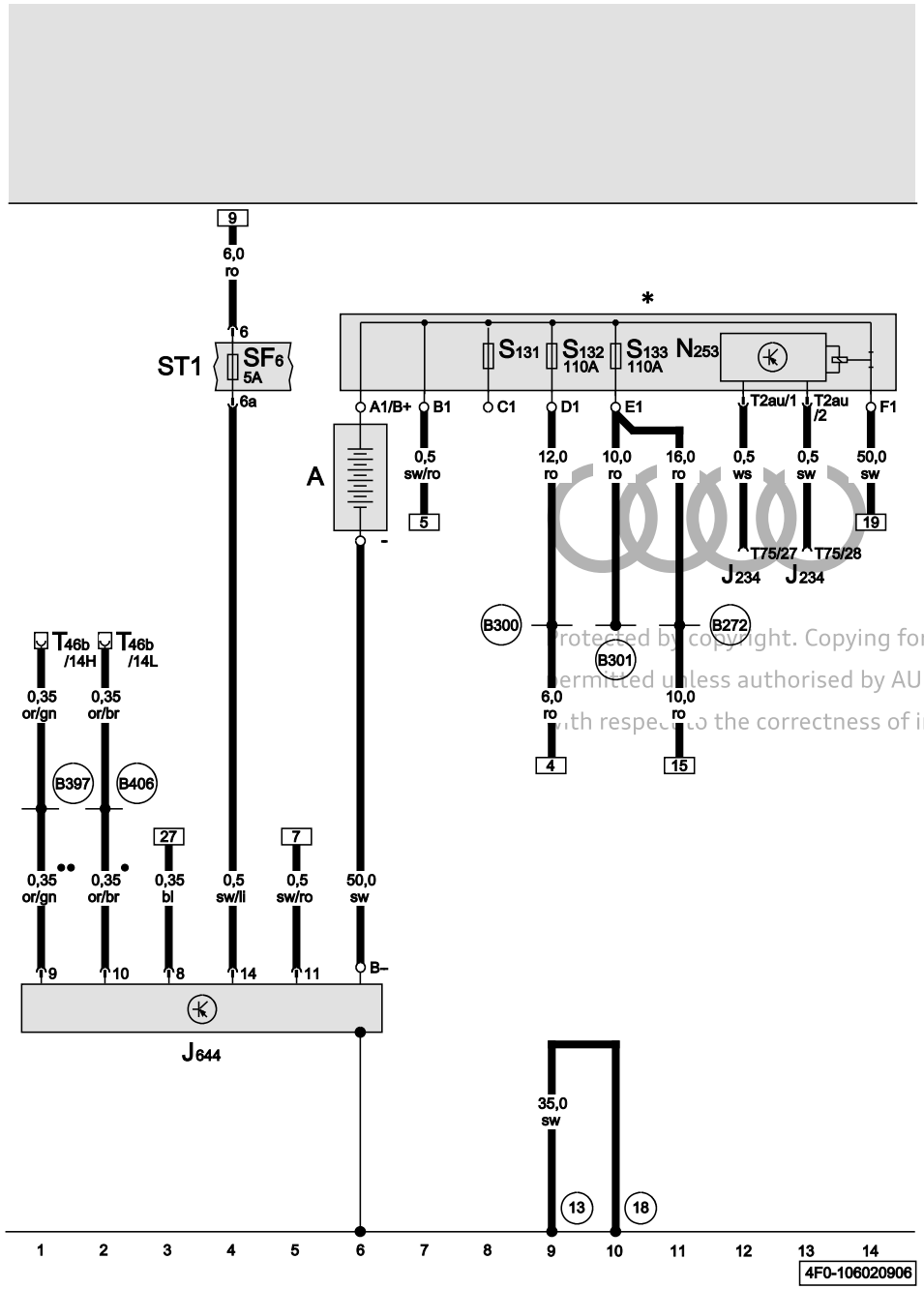
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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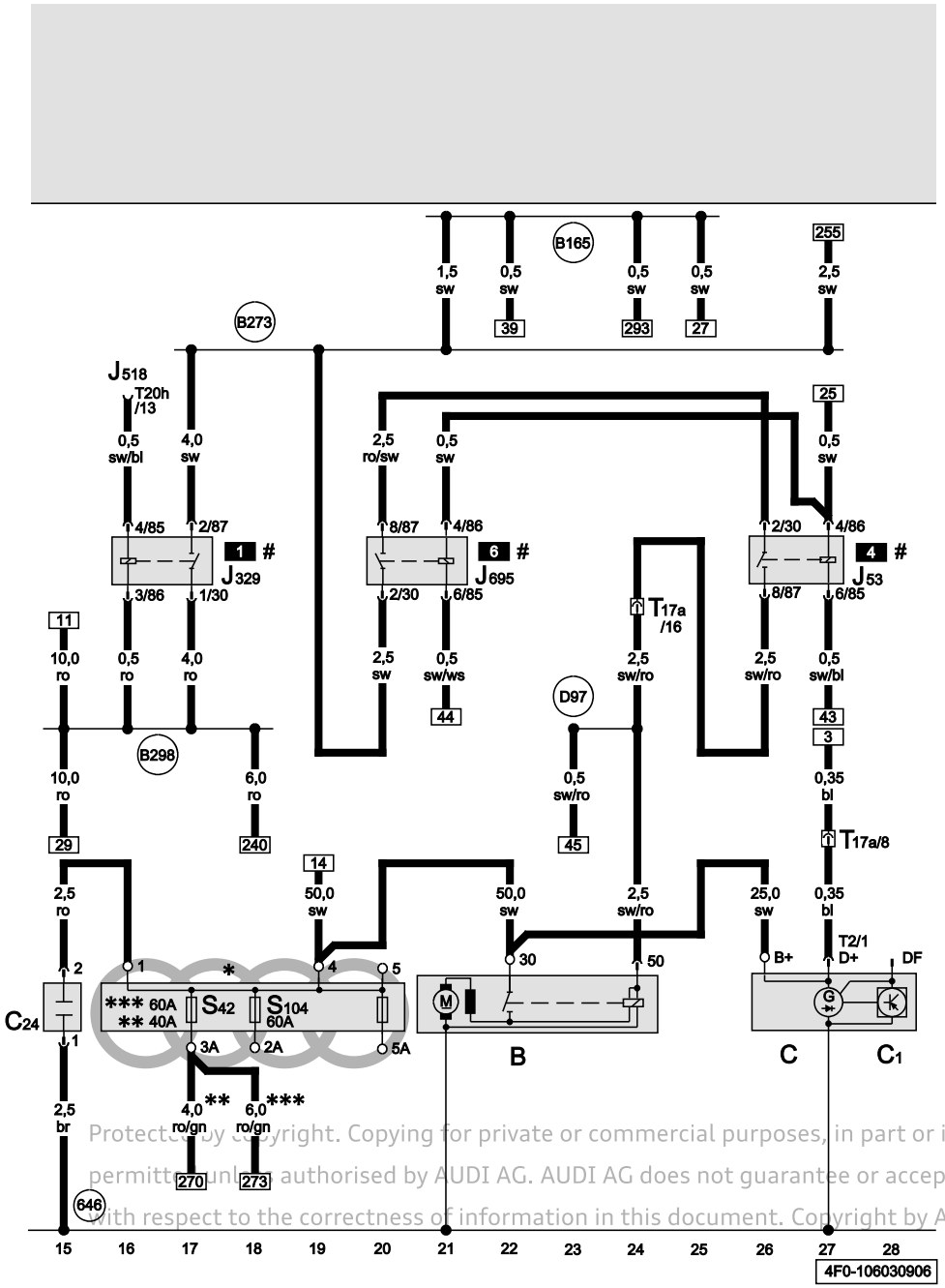


Battery, energy management control unit, fuses

A	Battery
J234	Airbag control unit
J644	Energy management control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
SF6	Fuse 6 on fuse holder F
T2au	2-pin connector, purple, on battery isolation igniter
T46b	46-pin connector, CAN disconnector right
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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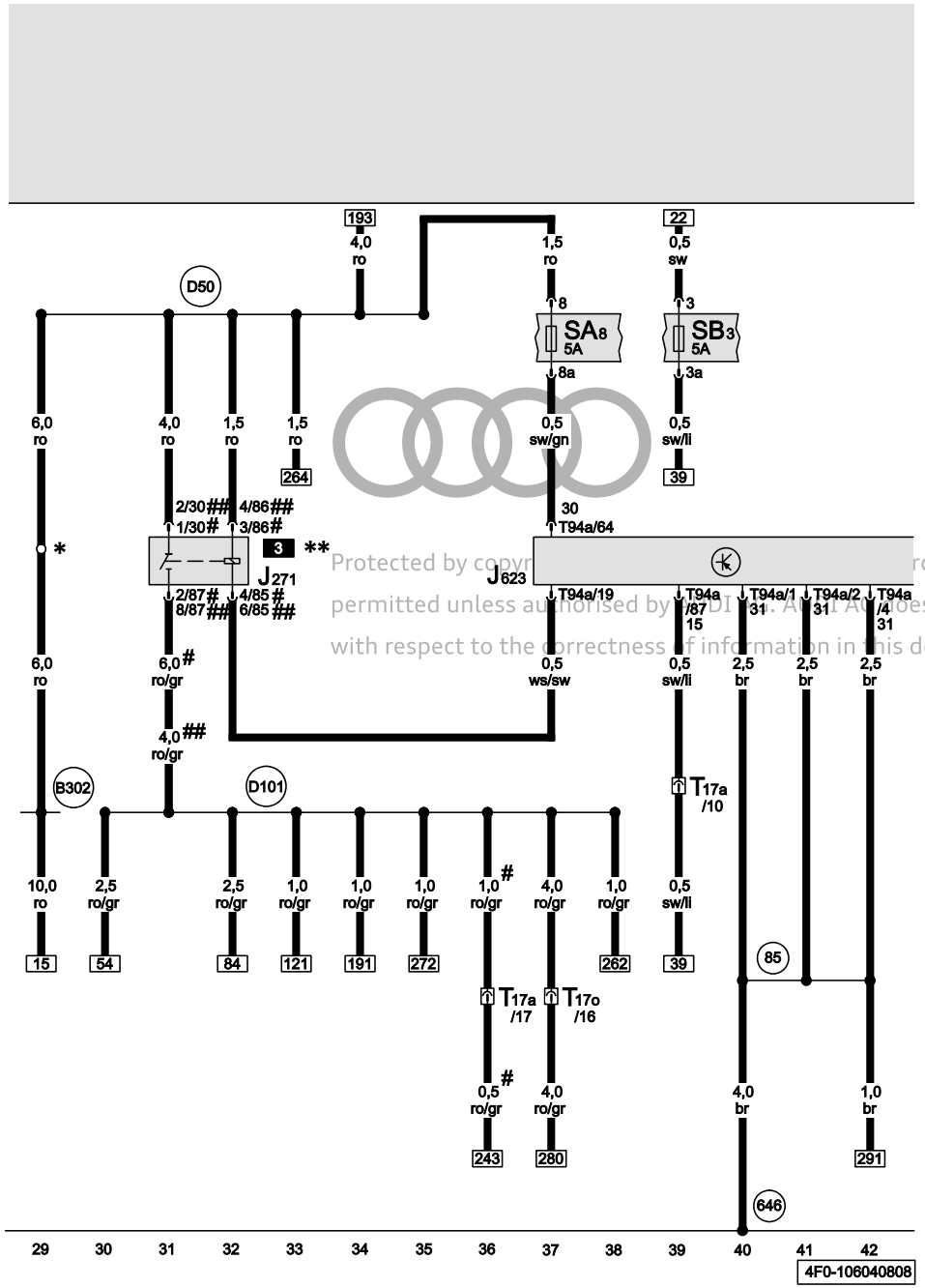


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Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	models without trailer towing attachment
***	models with trailer towing attachment
#	9-point relay carrier, behind driver storage compartment

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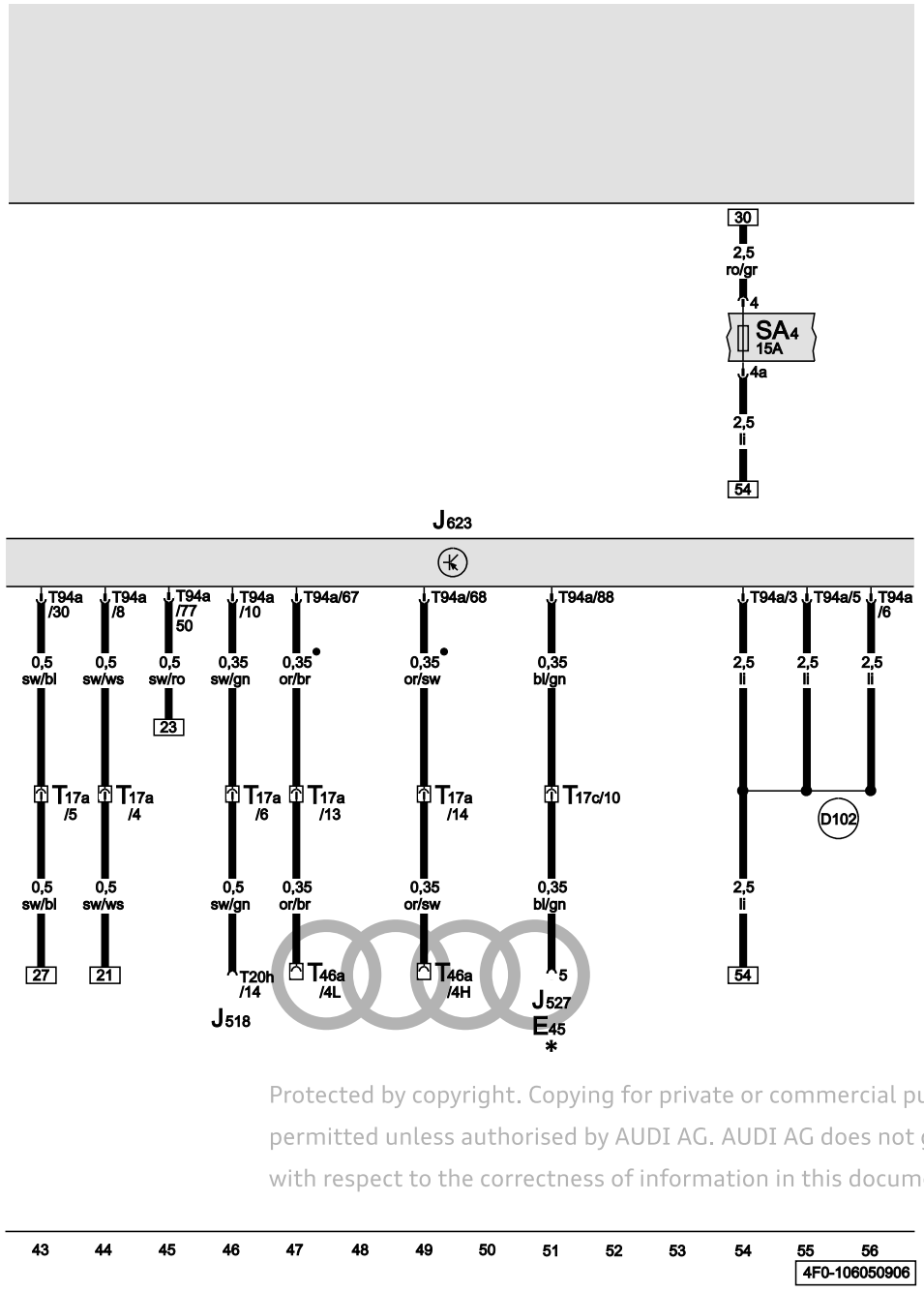


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Engine control unit, Motronic current supply relay

J271	Motronic current supply relay
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
SB3	Fuse 3 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber
#	up to May 2007
##	from June 2007

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



Engine control unit, CAN disconnector

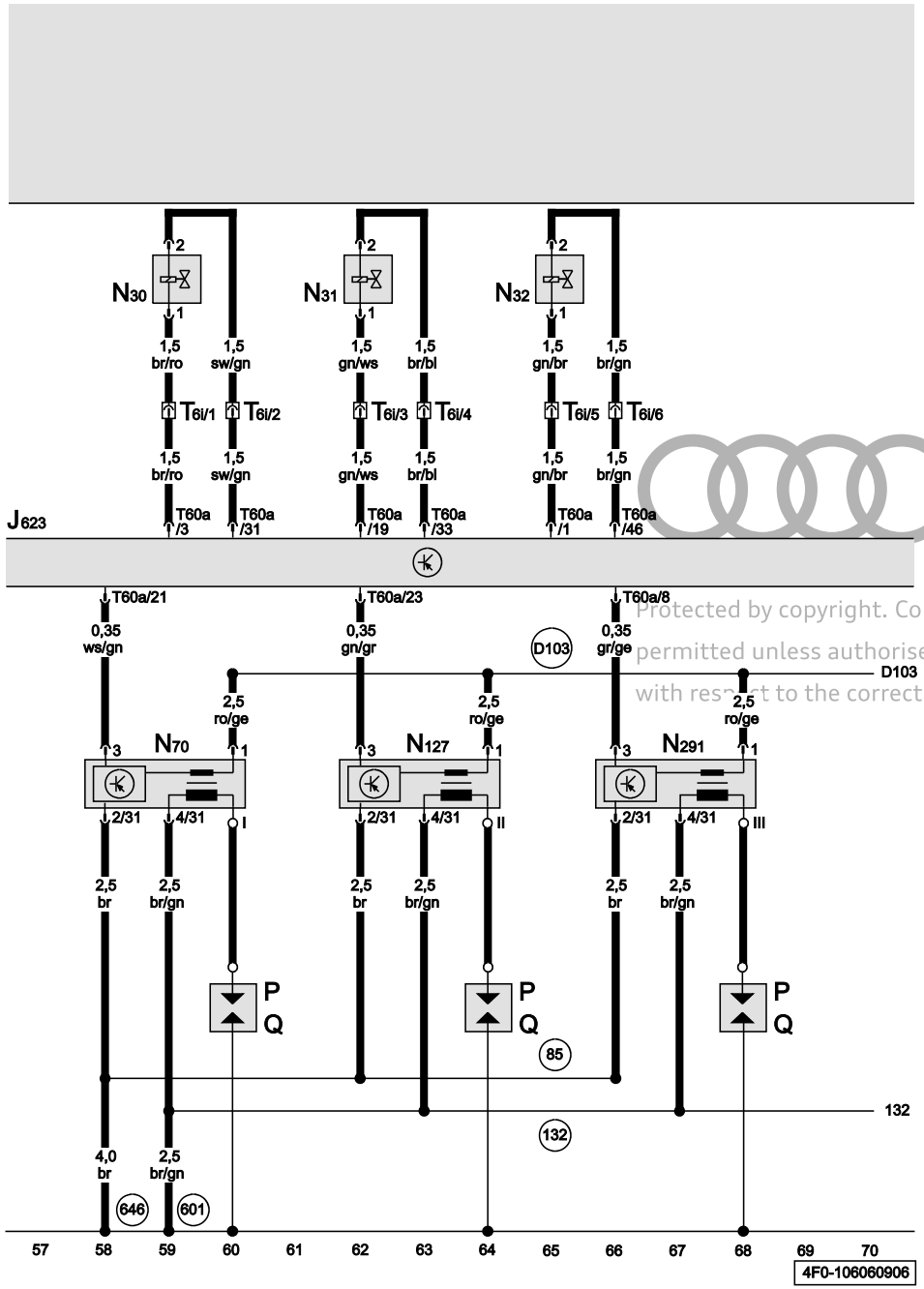
E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN disconnector left
T94a	94-pin connector, black, connector B, on engine control unit
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)
*	models with cruise control system

ws	=	white
sw	=	black
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gn	=	green
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Engine control unit, injector for cylinders 1 - 3, ignition coils 1 - 3 with output stage

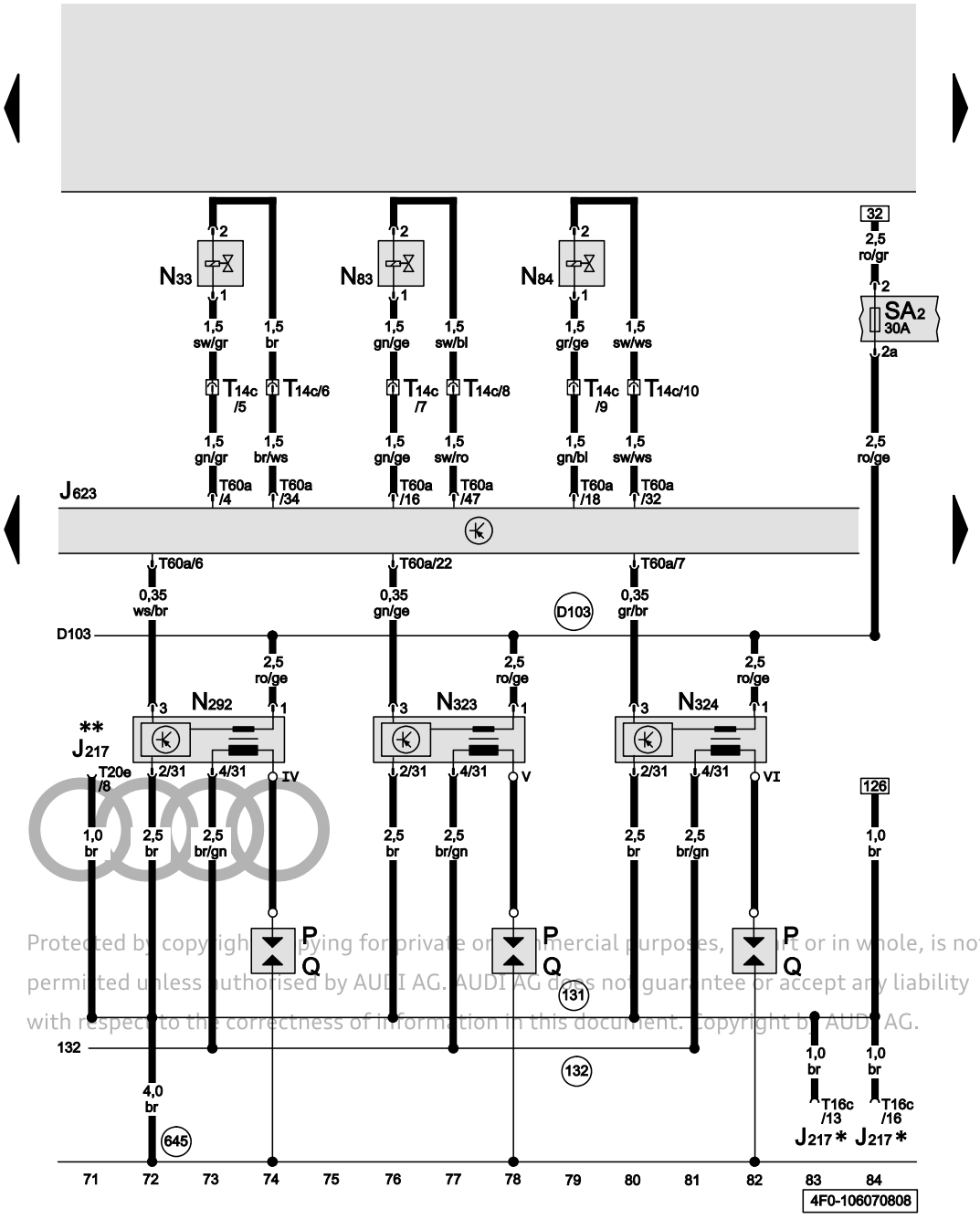
J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
P	Spark plug connector
Q	Spark plugs
T6i	6-pin connector, black, in right engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left of cylinder head
646	Earth point 2, on bulkhead
D103	Connection 3, in engine compartment wiring harness



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gn = green
bl = blue
gr = grey
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Engine control unit, injector for cylinders 4 - 6, ignition coils 4 - 6 with output stage



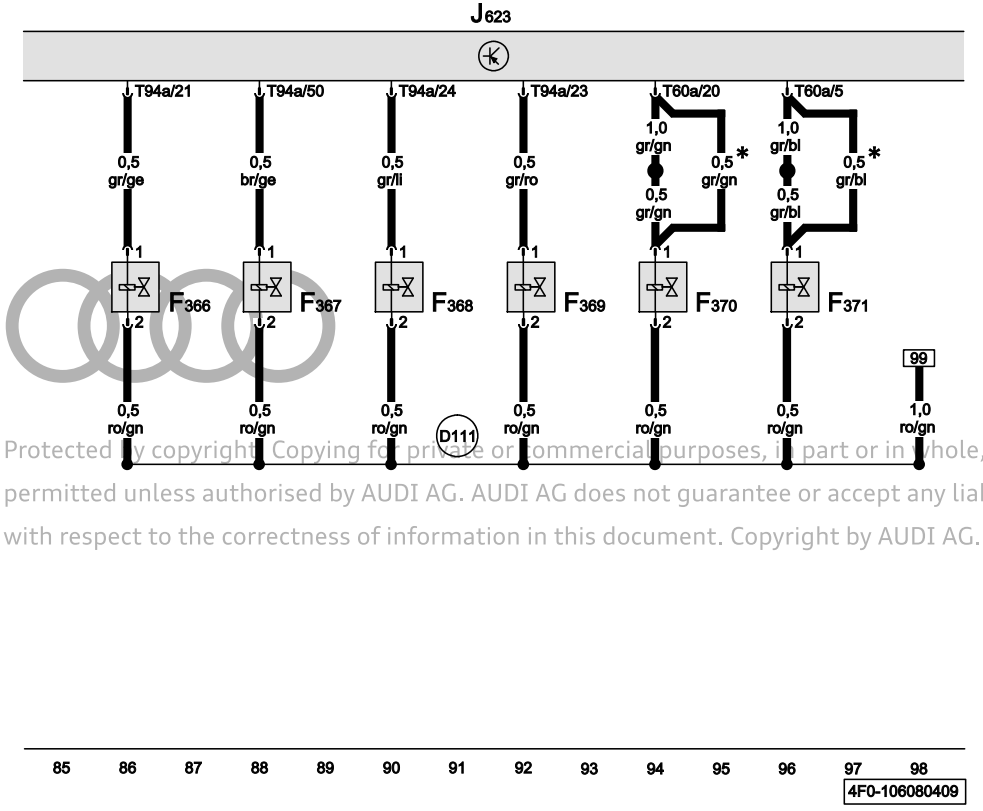
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J217	Automatic gearbox control unit
J623	Engine control unit
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T14c	14-pin connector, black, on left in engine compartment
T16c	16-pin connector, black, on automatic gearbox control unit
T20e	20-pin connector, black, on automatic gearbox control unit
T60a	60-pin connector, black, connector A, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
645	Earth point 1, on bulkhead
D103	Connection 3, in engine compartment wiring harness
*	models with automatic gearbox 09L
**	models with automatic gearbox 01J

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

Engine control unit, actuator 1 up to 6 for camshaft adjustment

F366	Actuator 1 for camshaft adjustment
F367	Actuator 2 for camshaft adjustment
F368	Actuator 3 for camshaft adjustment
F369	Actuator 4 for camshaft adjustment
F370	Actuator 5 for camshaft adjustment
F371	Actuator 6 for camshaft adjustment
J623	Engine control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
D111	Connection 9, in engine compartment wiring harness
*	from June 2007

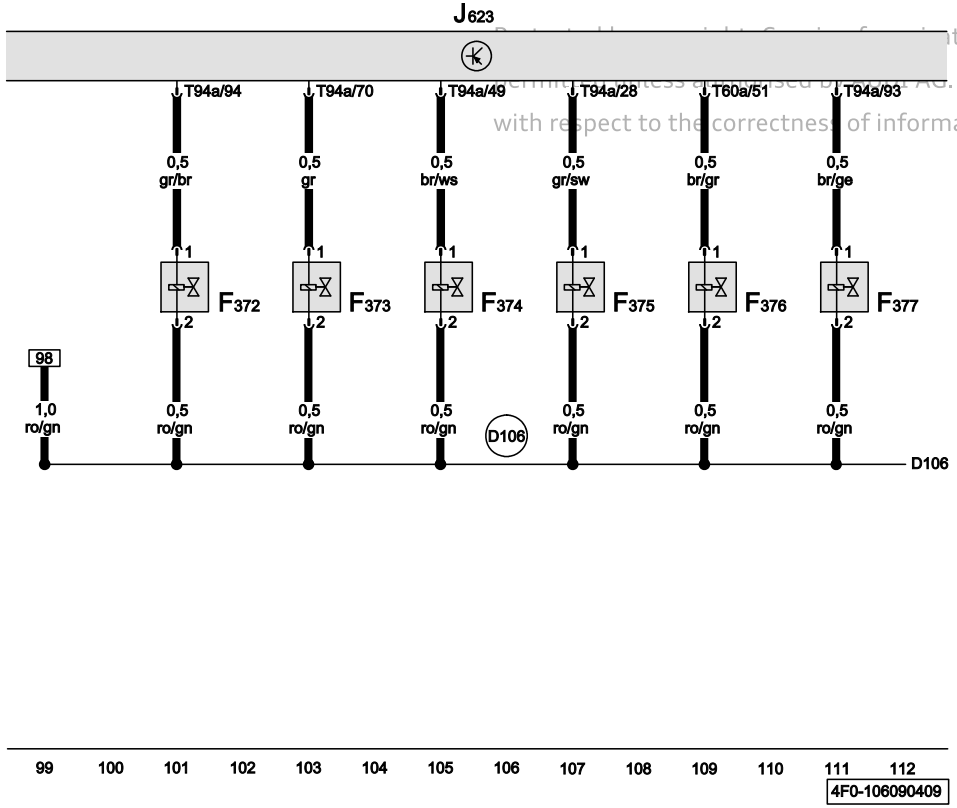


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Engine control unit, actuator 7 up to 12 for camshaft adjustment

F372 Actuator 7 for camshaft adjustment
F373 Actuator 8 for camshaft adjustment
F374 Actuator 9 for camshaft adjustment
F375 Actuator 10 for camshaft adjustment
F376 Actuator 11 for camshaft adjustment
F377 Actuator 12 for camshaft adjustment
J623 Engine control unit
T60a 60-pin connector, black, connector A, on engine control unit
T94a 94-pin connector, black, connector B, on engine control unit
D106 Connection 4, in engine compartment wiring harness

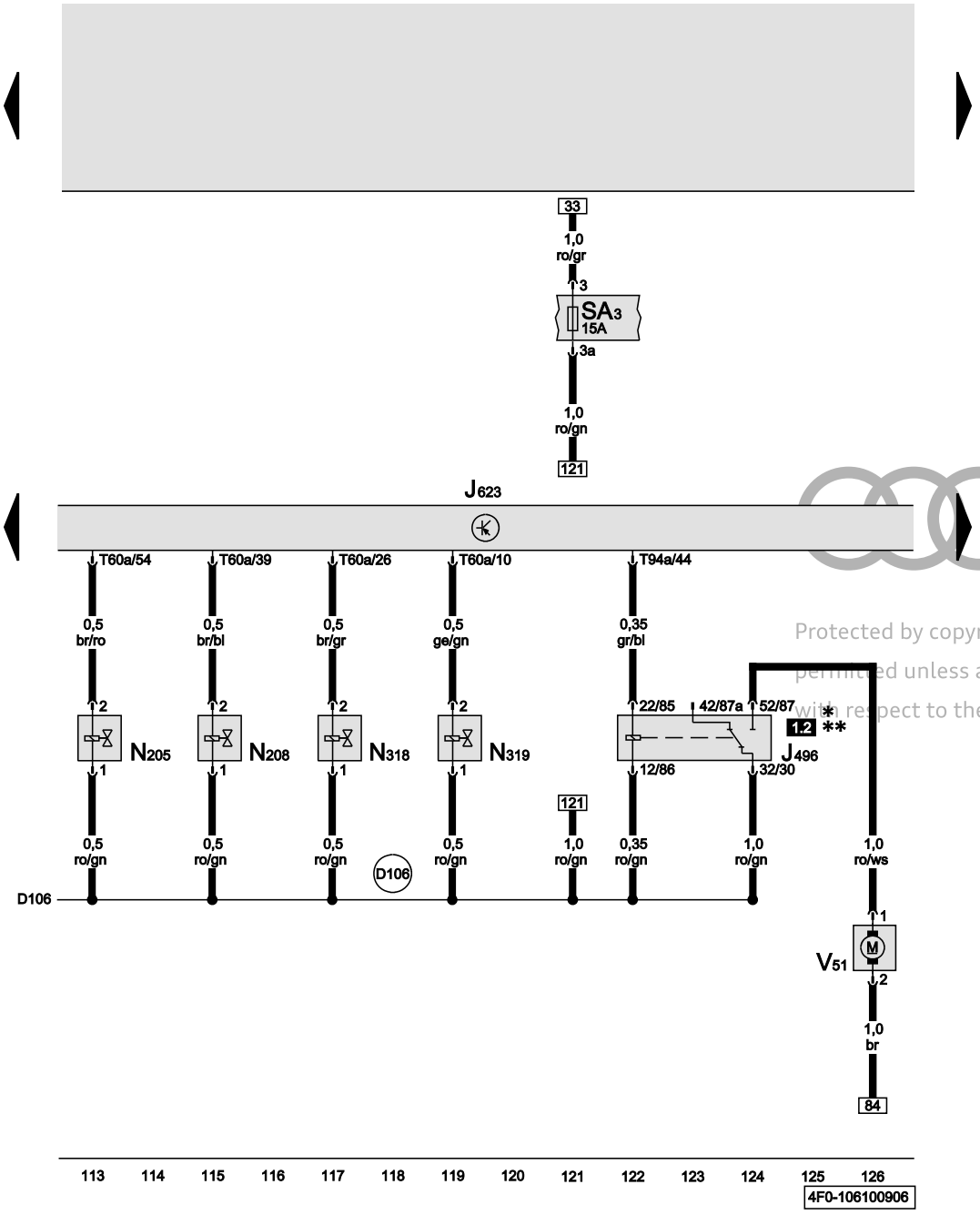


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Engine control unit, additional coolant pump relay, inlet camshaft control valve, exhaust camshaft control valve

J496	Additional coolant pump relay
J623	Engine control unit
N205	Inlet camshaft control valve 1
N208	Inlet camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
SA3	Fuse 3 on fuse holder A
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V51	Continued coolant circulation pump
D106	Connection 4, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	only countries with hot climate

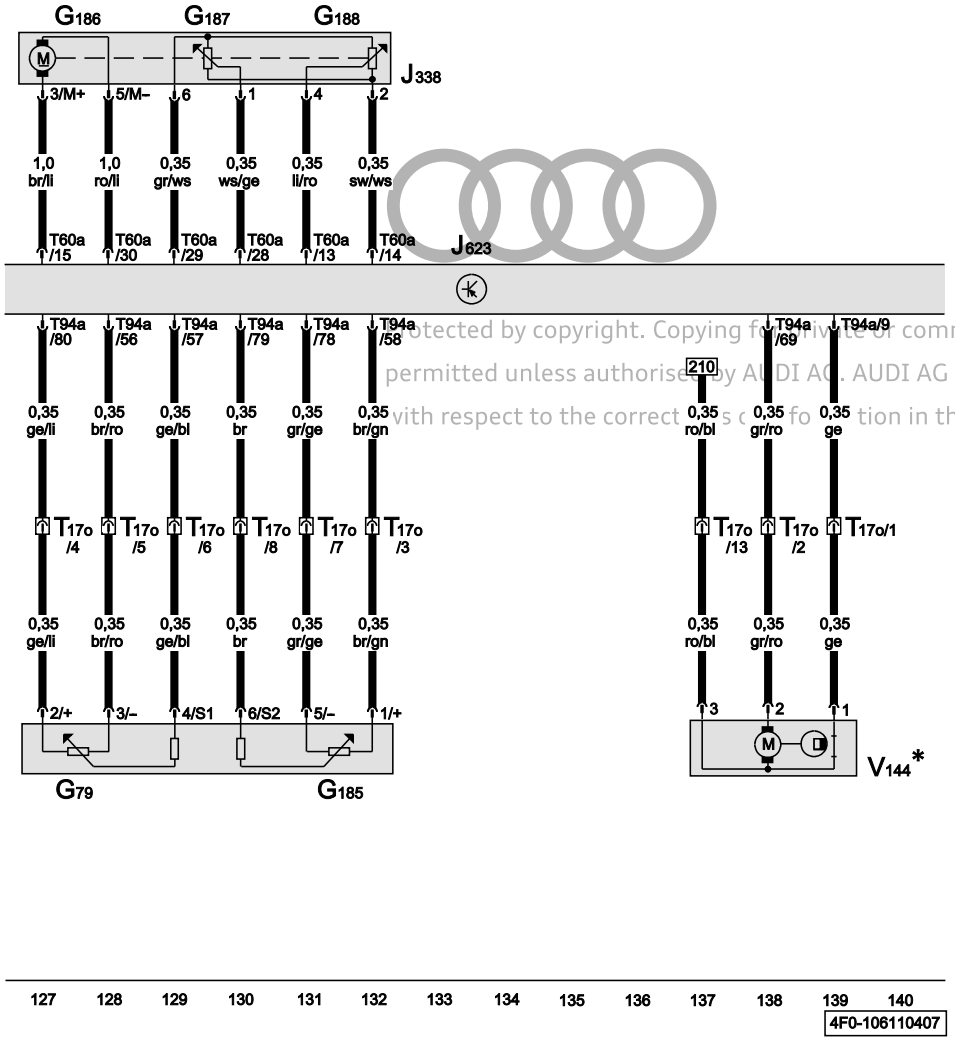


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Engine control unit, accelerator position sender, throttle valve module, fuel system diagnostic pump

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
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 control unit
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V144	Fuel system diagnostic pump
*	models with fuel system diagnostic pump



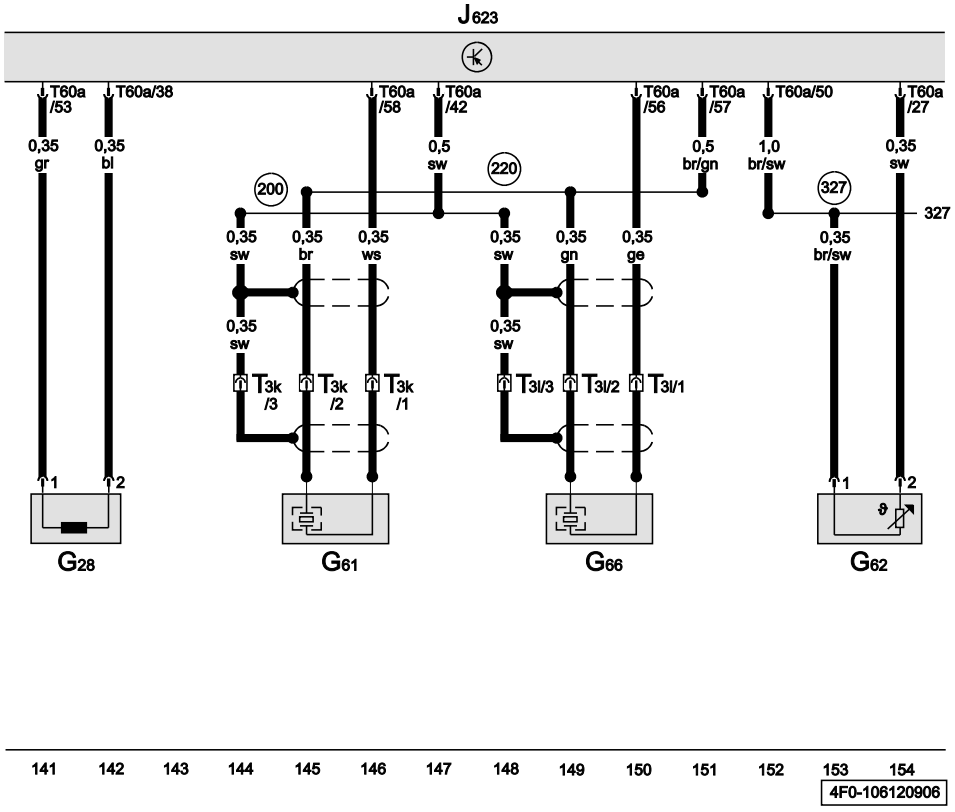
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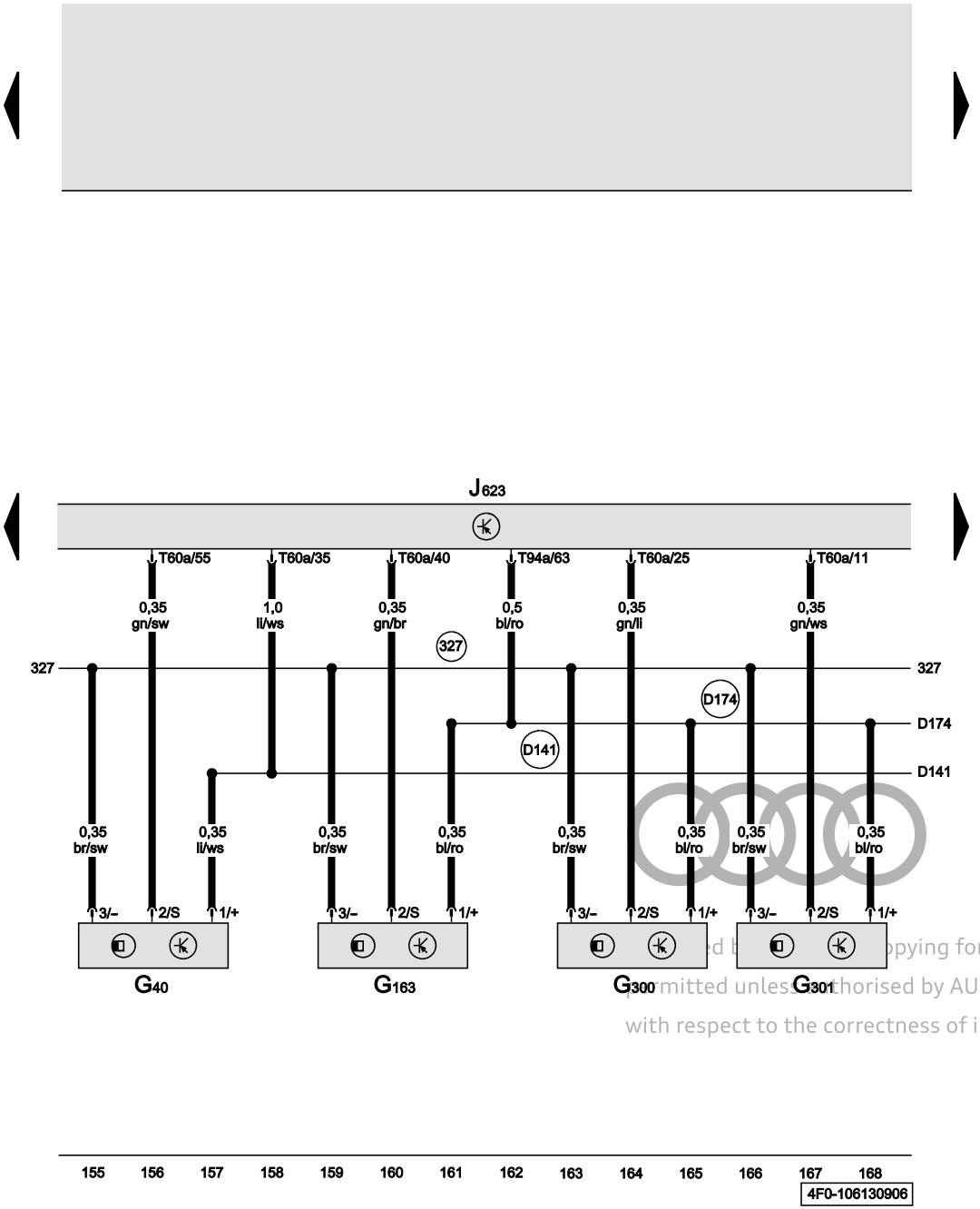
Engine control unit, engine speed sender, coolant temperature sender, knock sensors

G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J623	Engine control unit
T3k	3-pin connector, green, on knock sensor 1
T3l	3-pin connector, grey, on knock sensor 2
T60a	60-pin connector, black, connector A, on engine control unit
200	Earth connection (screening) in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
327	Earth connection (sender earth), in engine compartment wiring harness

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gr	=	grey
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Engine control unit, Hall sender

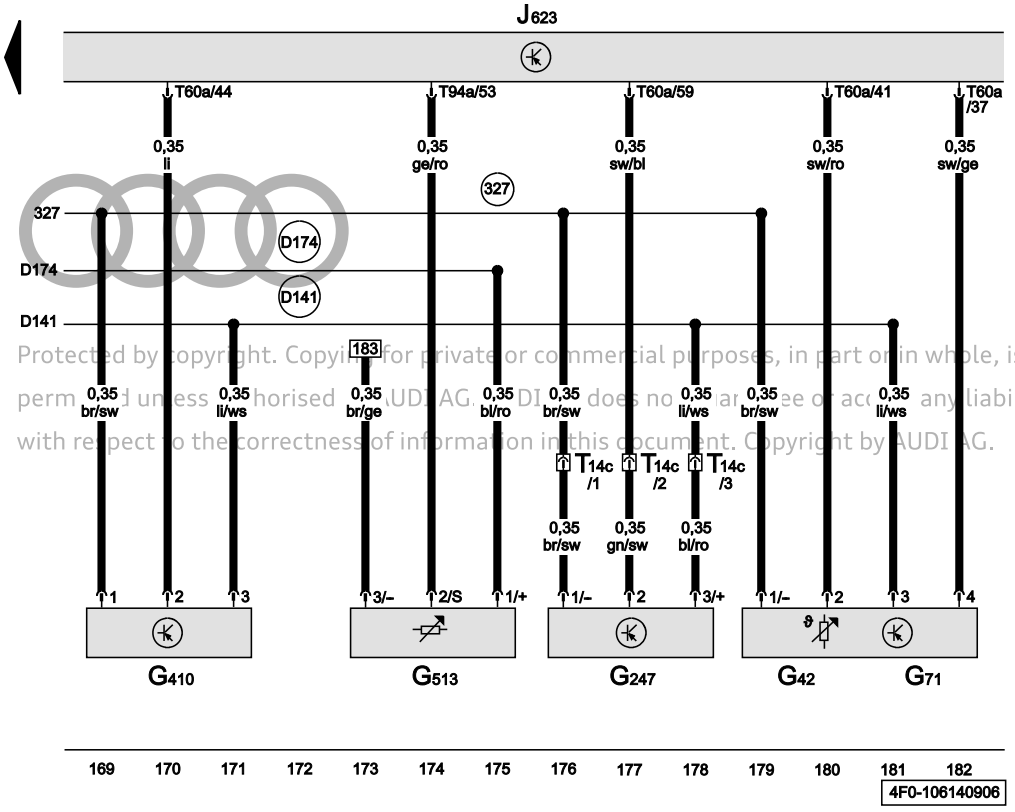
G40	Hall sender
G163	Hall sender 2
G300	Hall sender 3
G301	Hall sender 4
J623	Engine control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
D174	Connection 2 (5V), in engine wiring harness

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ge = yellow
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Engine control unit, intake air temperature sender, intake manifold pressure sender, fuel pressure sender for low pressure, fuel pressure sender, variable intake manifold position sender

G42	Intake air temperature sender
G71	Intake manifold pressure sender
G247	Fuel pressure sender
G410	Fuel pressure sender for low pressure
G513	Variable intake manifold position sender
J623	Engine control unit
T14c	14-pin connector, black, on left in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
D174	Connection 2 (5V), in engine wiring harness



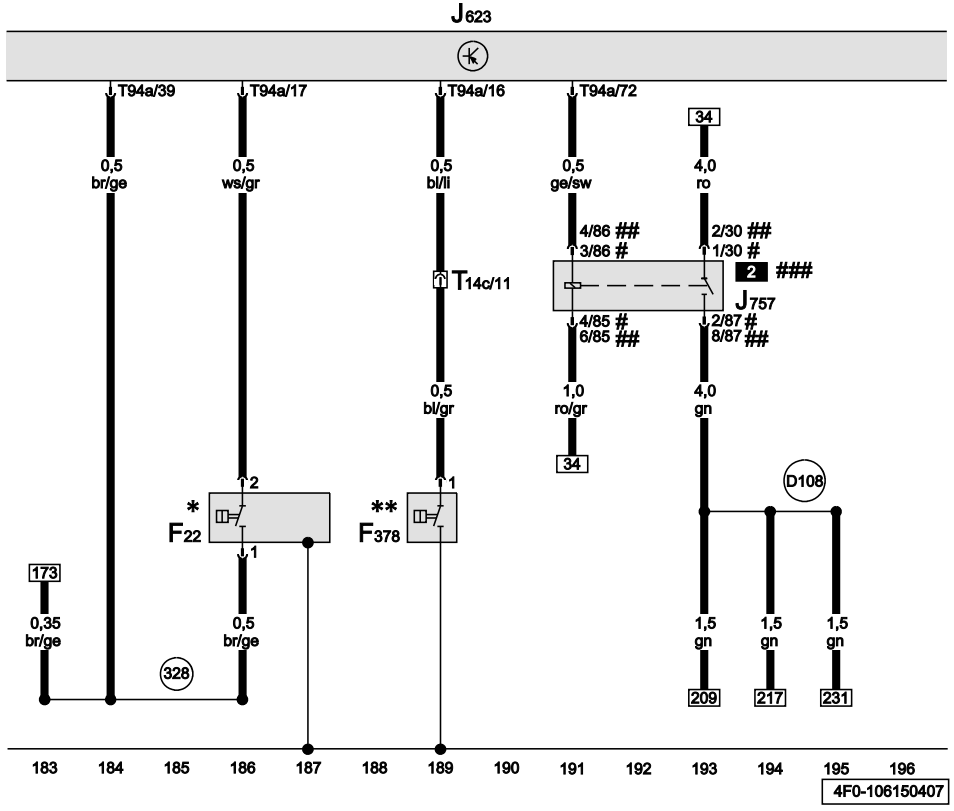
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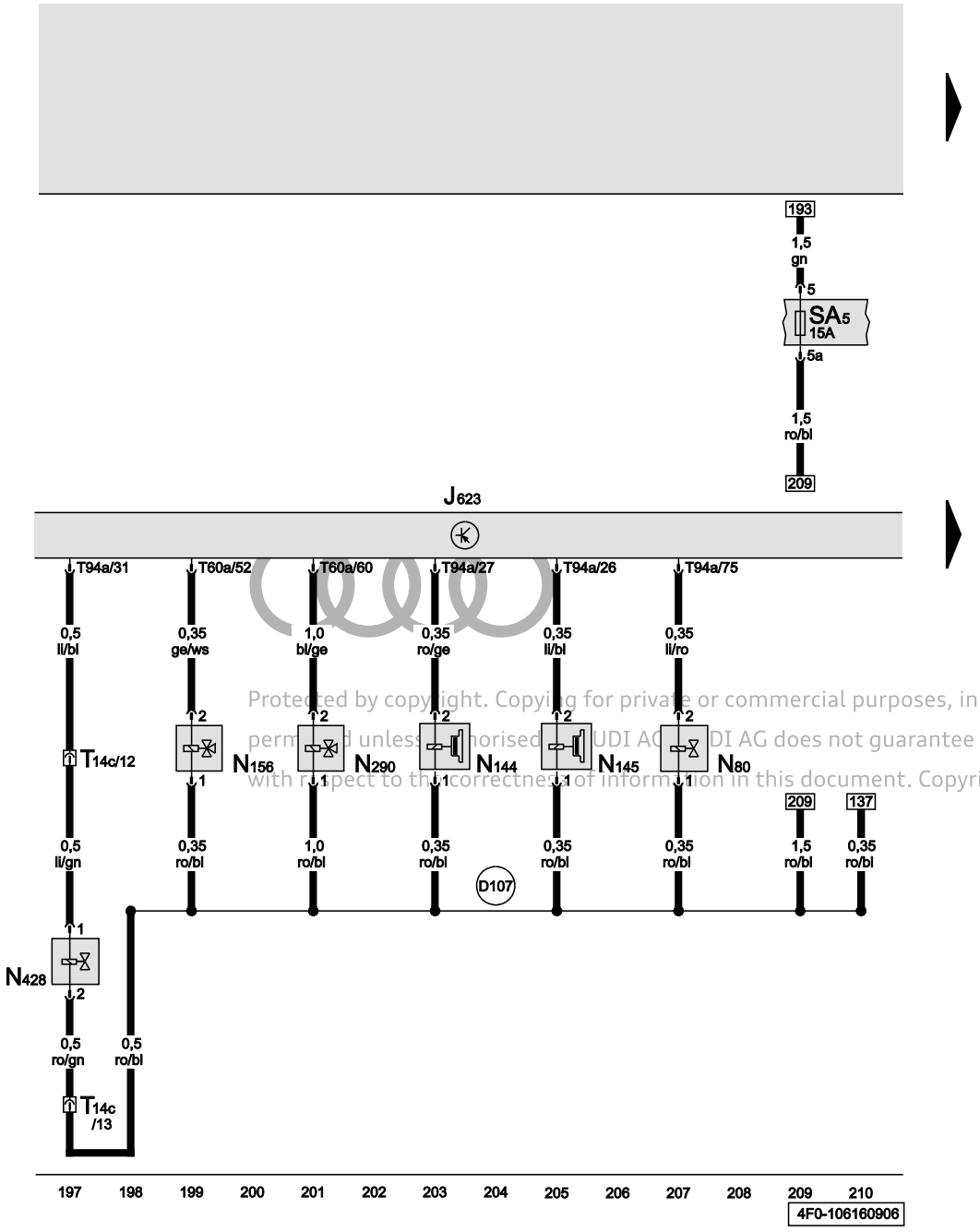
Engine control unit, engine component current supply relay, oil pressure switch, oil pressure switch for reduced oil pressure

F22	Oil pressure switch
F378	Oil pressure switch for reduced oil pressure
J623	Engine control unit
J757	Engine component current supply relay
T14c	14-pin connector, black, on left in engine compartment
T94a	94-pin connector, black, connector B, on engine control unit
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
*	2.6 bar
**	0.9 bar
#	up to May 2007
##	from June 2007
###	Relay carrier electronics box left in plenum chamber

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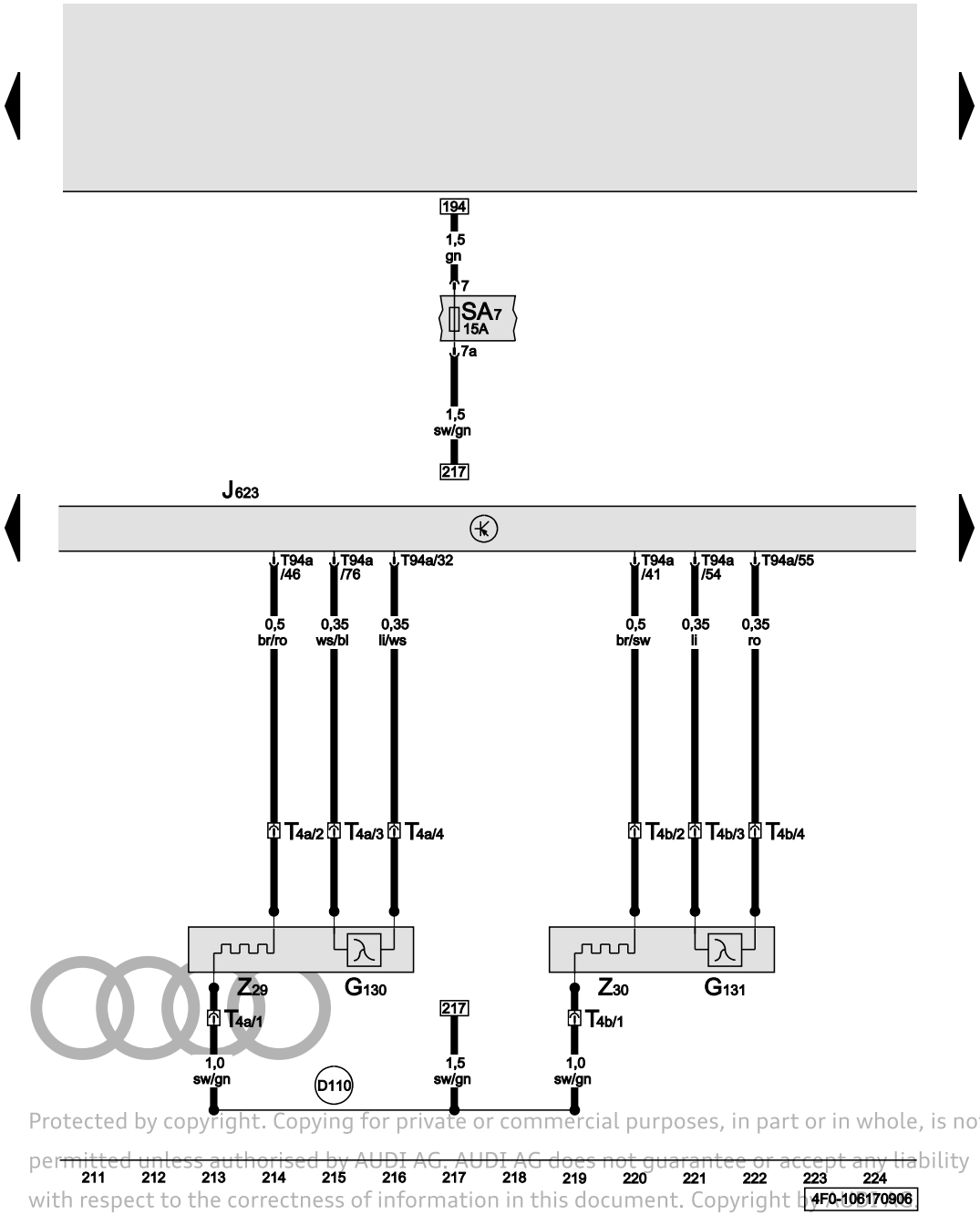
Engine control unit, activated charcoal filter solenoid valve 1, variable intake manifold change-over valve, fuel metering valve, left and right electrohydraulic engine mounting solenoid valve, valve for oil pressure control

J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N156	Variable intake manifold change-over valve
N290	Fuel metering valve
N428	Valve for oil pressure control
SA5	Fuse 5 on fuse holder A
T14c	14-pin connector, black, on left in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
D107	Connection 5, in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
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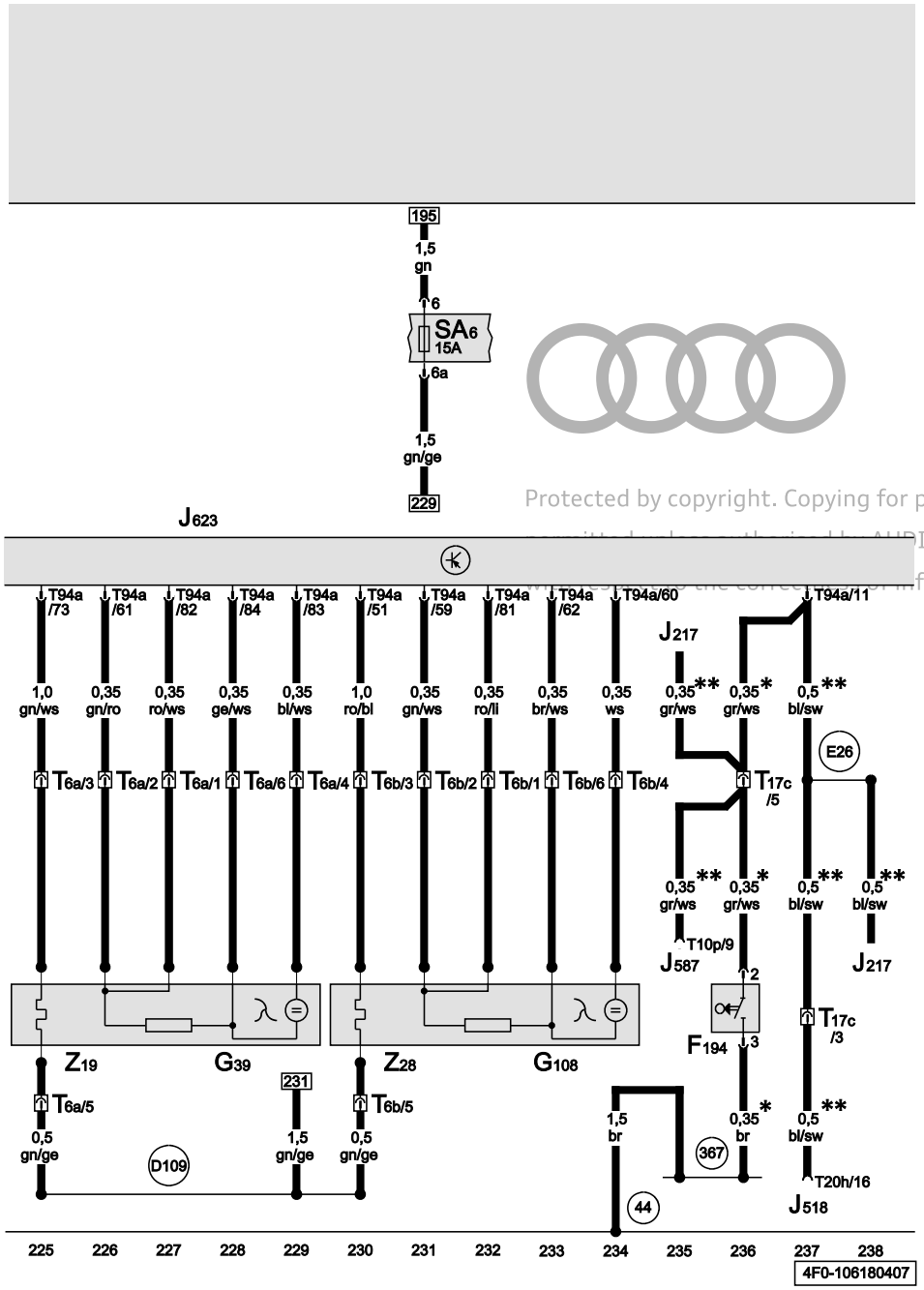
Engine control unit, lambda probes after catalytic converter

G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SA7	Fuse 7 on fuse holder A
T4a	4-pin connector, black, for Lambda probe 1 after catalytic converter
T4b	4-pin connector, brown, for Lambda probe 2 after catalytic converter
T94a	94-pin connector, black, connector B, on engine control unit
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D110	Connection 8, in engine compartment wiring harness



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

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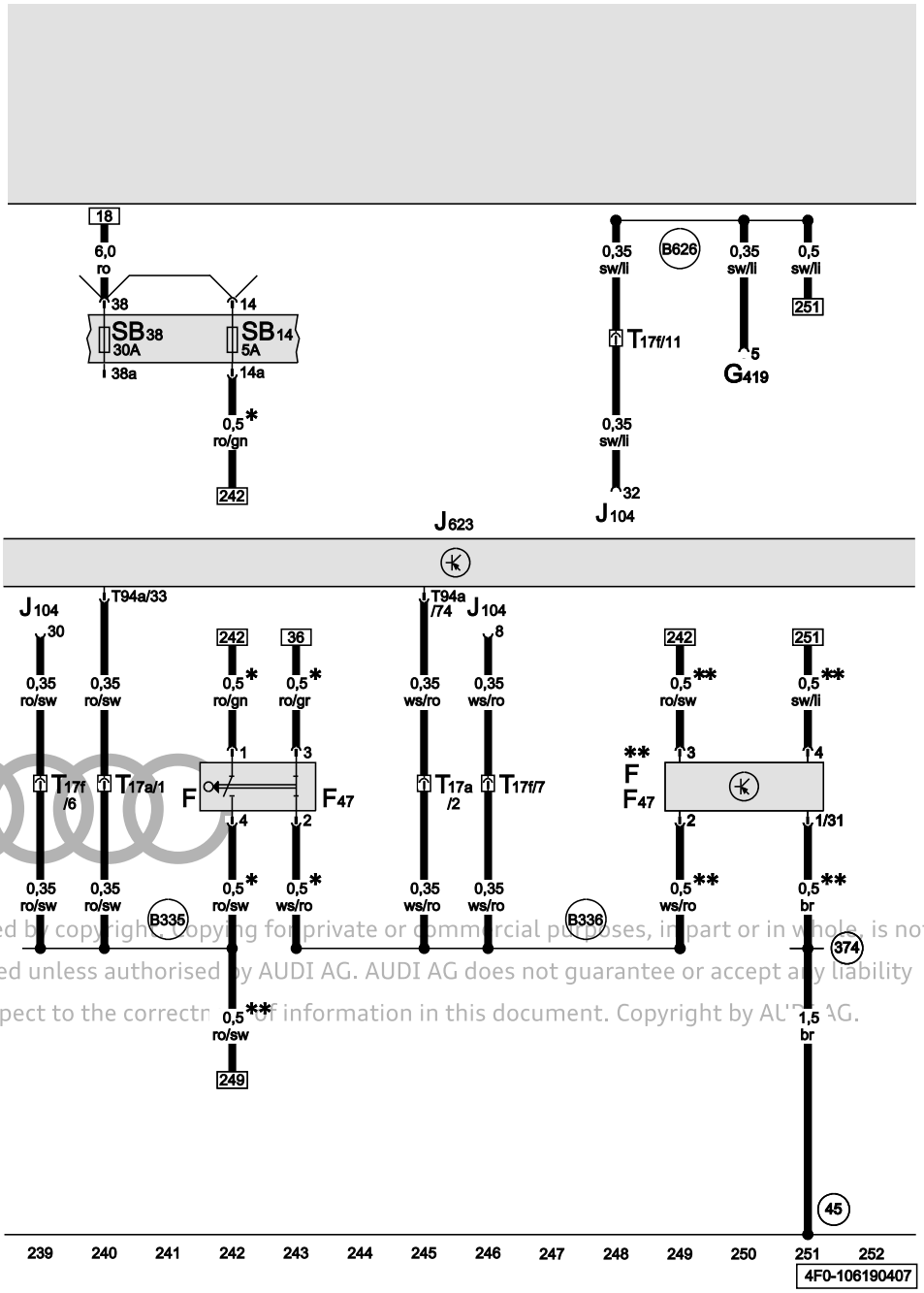


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Engine control unit, lambda probe, lambda probe 2, clutch pedal switch for engine start

F194	Clutch pedal switch for engine start
G39	Lambda probe
G108	Lambda probe 2
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, for Lambda probe
T6b	6-pin connector, black, for Lambda probe 2
T10p	10-pin connector, black, on selector lever sensors control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
D109	Connection 7, in engine compartment wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
*	models with manual gearbox
**	models with automatic gearbox

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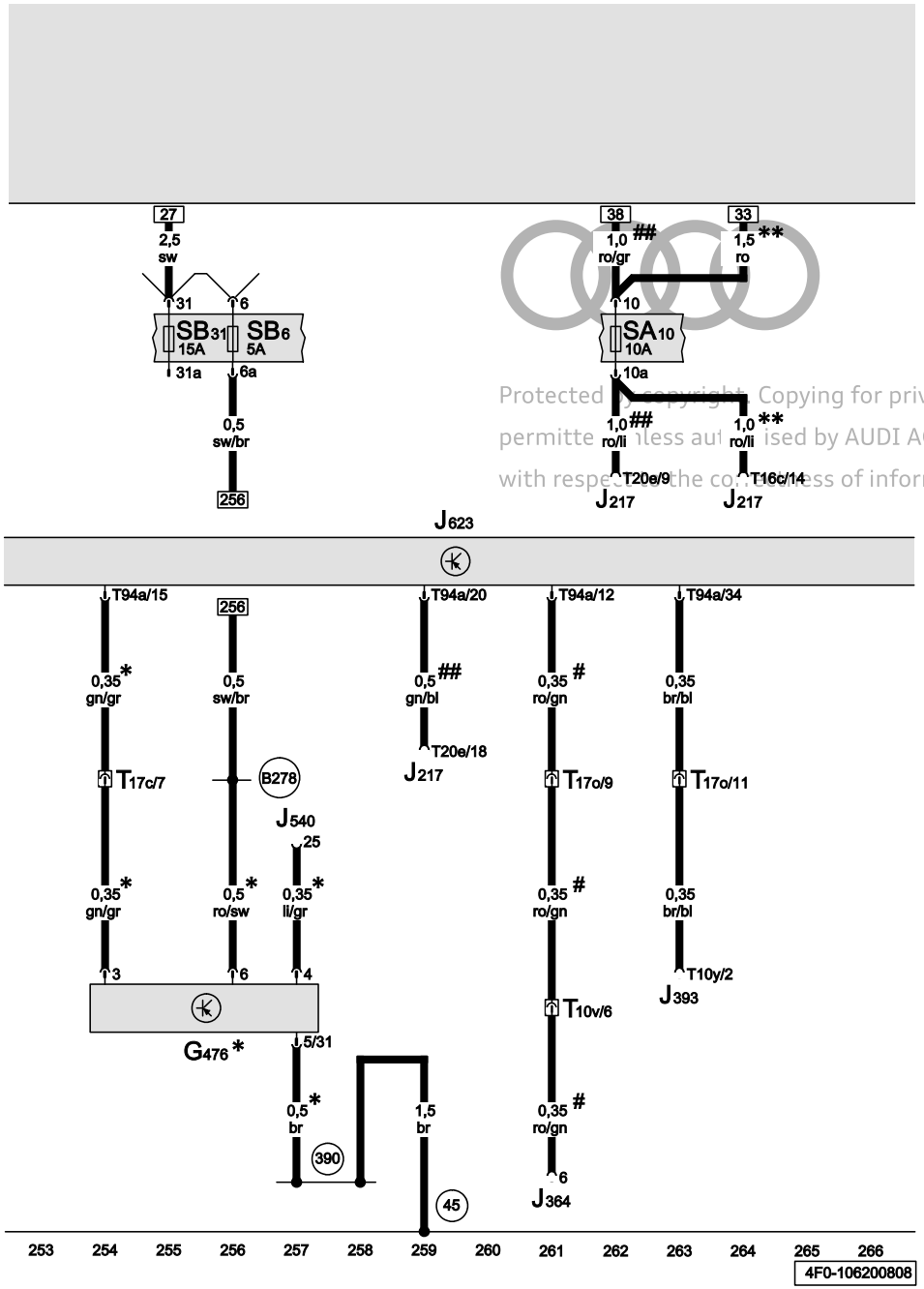


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Engine control unit, brake light switchbrake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J623	Engine control unit
SB14	Fuse 14 on fuse holder B
SB38	Fuse 38 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T94a	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
*	up to May 2007
**	from June 2007

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sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
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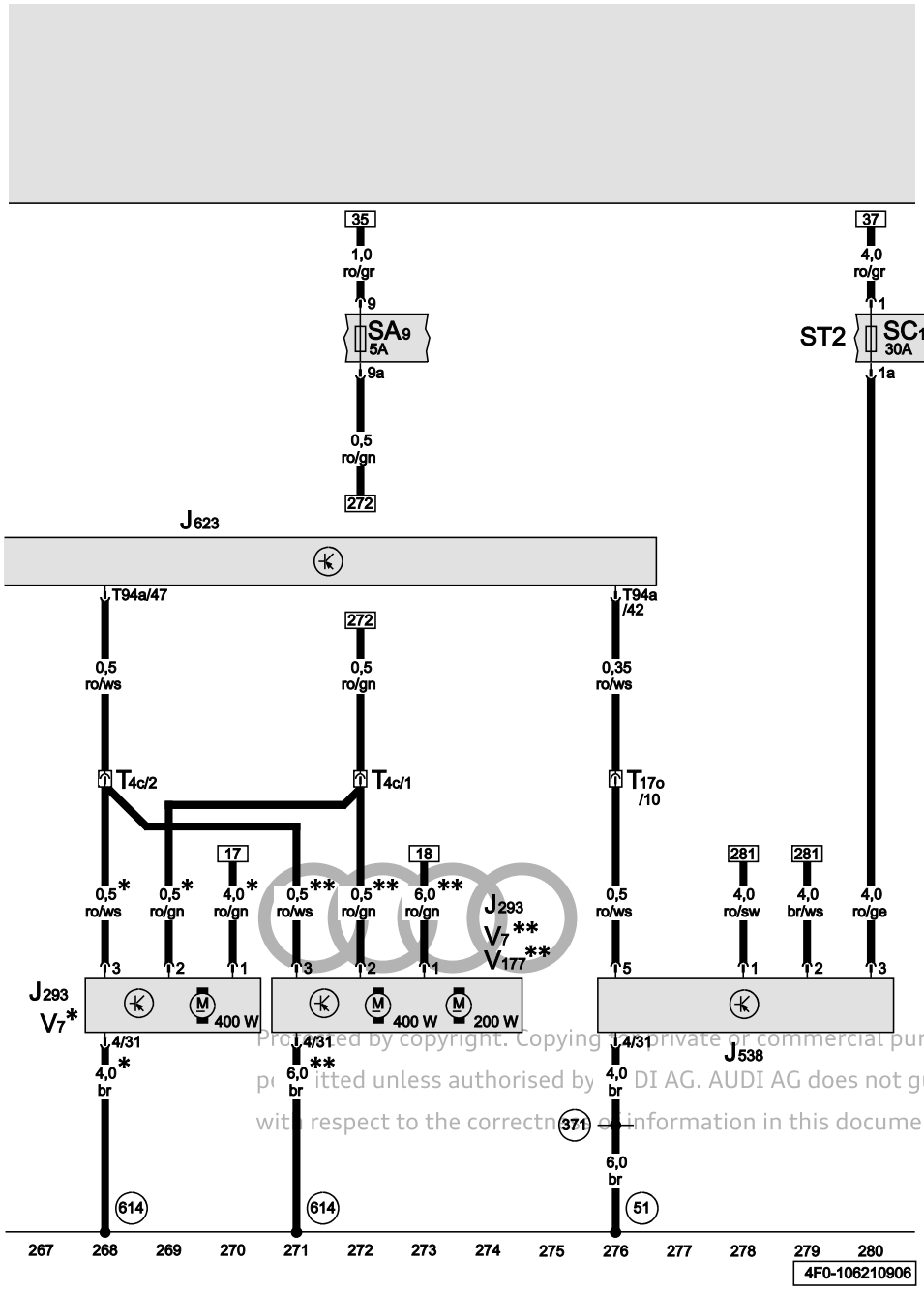


Engine control unit, clutch position sender

G476	Clutch position sender
J217	Automatic gearbox control unit
J364	Auxiliary heater control unit
J393	Convenience system central control unit
J540	Electric park and handbrake control unit
J623	Engine control unit
SA10	Fuse 10 on fuse holder A
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T10y	10-pin connector, black, connector C, on convenience system control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94a	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	models with manual gearbox
**	models with automatic gearbox 09L
#	models with auxiliary heater
##	models with automatic gearbox 01J

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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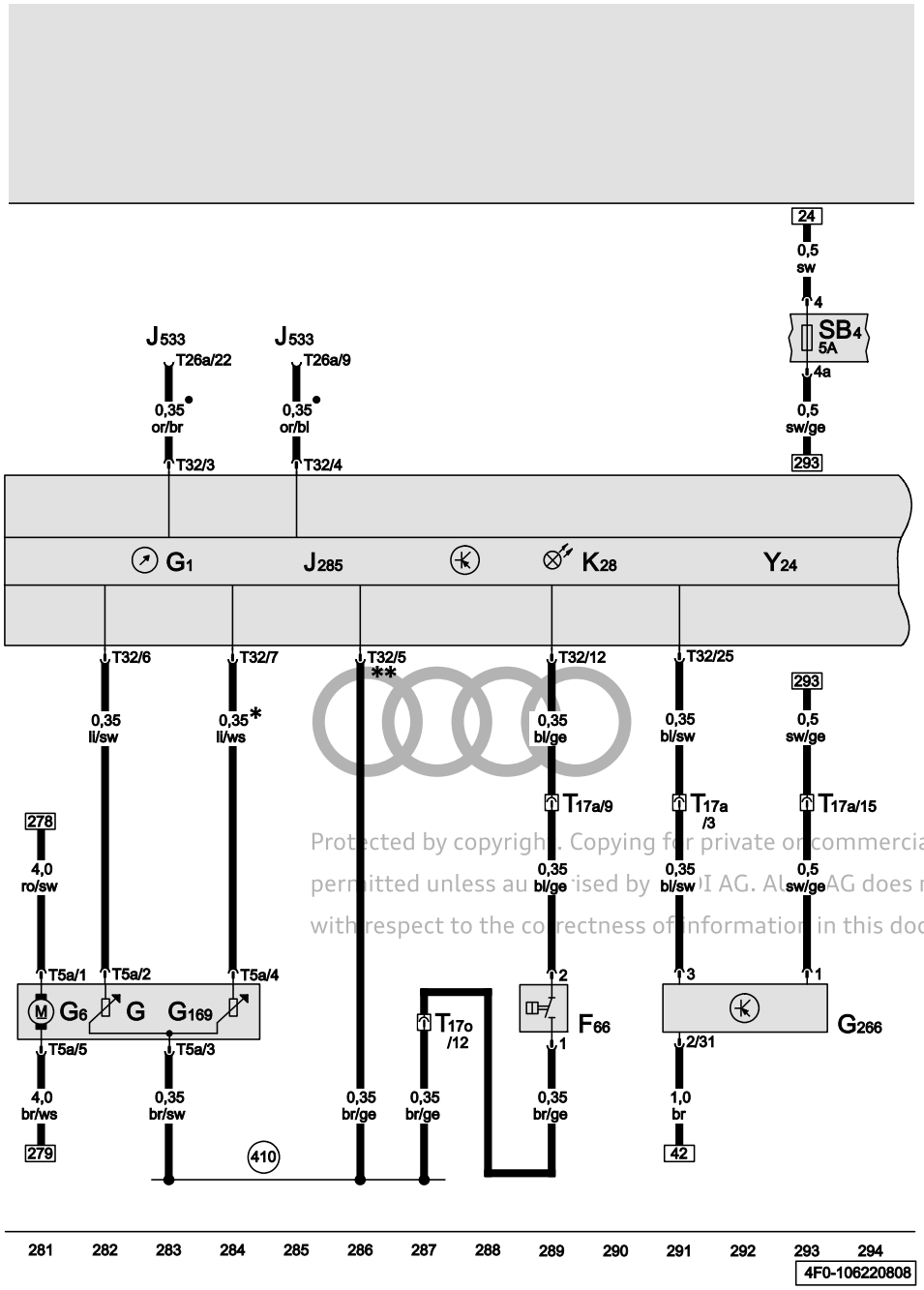
Engine control unit, fuel pump control unit, radiator fan

J293	Radiator fan control unit
J538	Fuel pump control unit
J623	Engine control unit
SA9	Fuse 9 on fuse holder A
SC1	Fuse 1 on fuse holder C
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
614	Earth point 2, on right in engine compartment
*	models without trailer towing attachment
**	models with trailer towing attachment

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gn	=	green
bl	=	blue
gr	=	grey
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Control unit in dash panel insert, fuel gauge sender, fuel system pressurisation pump, fuel gauge sender 2, coolant shortage indicator switch, oil level and oil temperature sender



F66	Coolant shortage indicator switch
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T5a	5-pin connector, black, on fuel tank
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive
**	output sender earth

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sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
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Communication Japan (8DZ, 7Q6, QV1, 7D0)

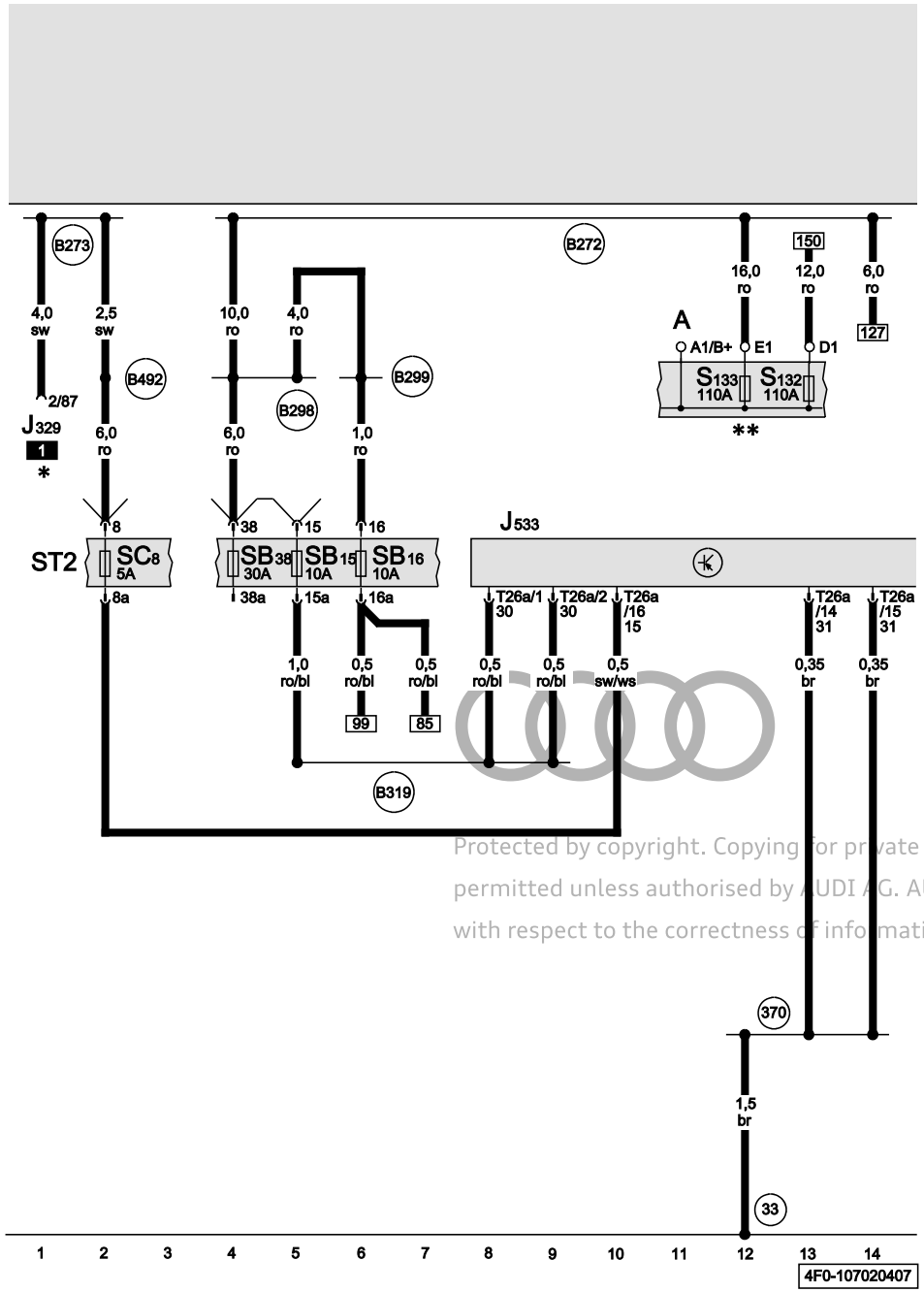
⇒ **MMI**
⇒ **Multimedia system operating unit**
⇒ **Radio (K-box)**
⇒ **Navigation system**
⇒ **Telephone, chip card reader control unit**
⇒ **TV tuner**
⇒ **Media player, connection for external audio source**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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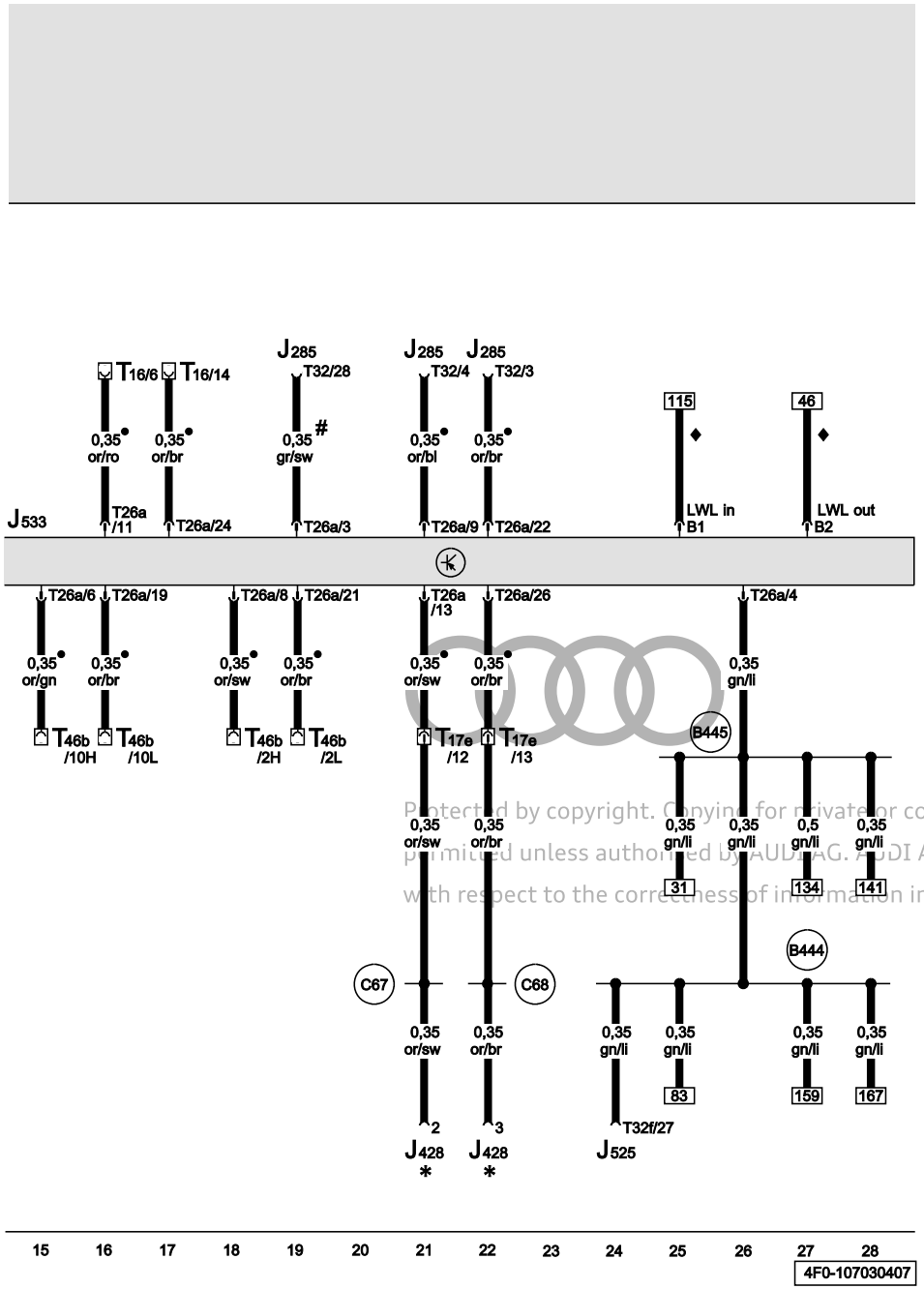


Data bus diagnostic interface, fuses

A	Battery
J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
S132	Fuse 2
S133	Fuse 3
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB38	Fuse 38 on fuse holder B
SC8	Fuse 8 on fuse holder C
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	main fuse carrier in luggage compartment, rear right, on the battery
**	9-point relay carrier, behind driver storage compartment

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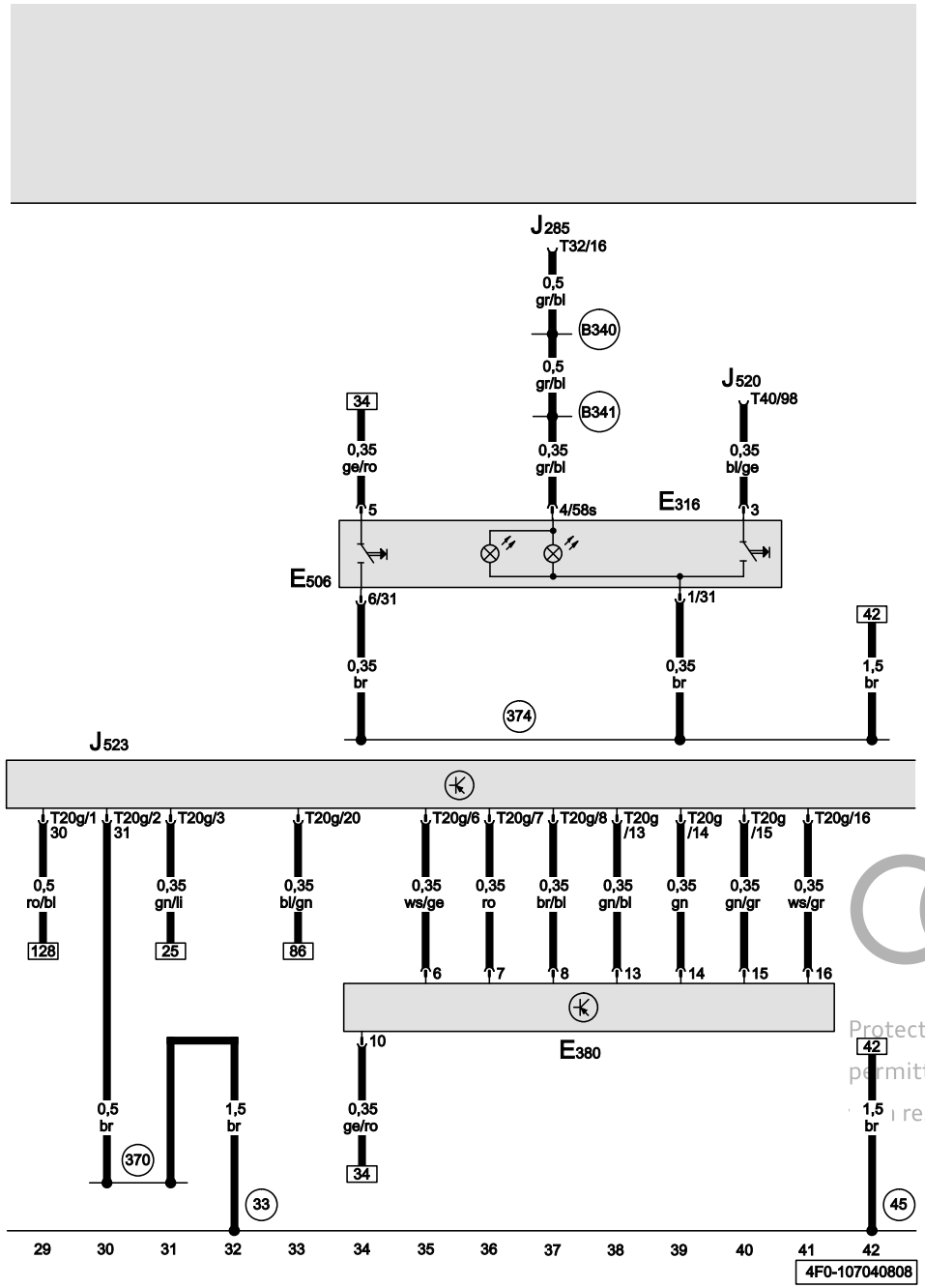


Data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
T16	16-pin connector, diagnostic connector
T17e	17-pin connector, red, coupling station on left of A-pillar
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T32f	32-pin connector, black, connector A, on digital sound package control unit
T46b	46-pin connector, CAN disconnector right
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
C67	Connection (CAN bus, high), in headlight wiring harness
C68	Connection (CAN bus, low), in headlight wiring harness
•	CAN bus (data wire)
*	models with adaptive cruise
#	Wake Up wire (exciter wire)
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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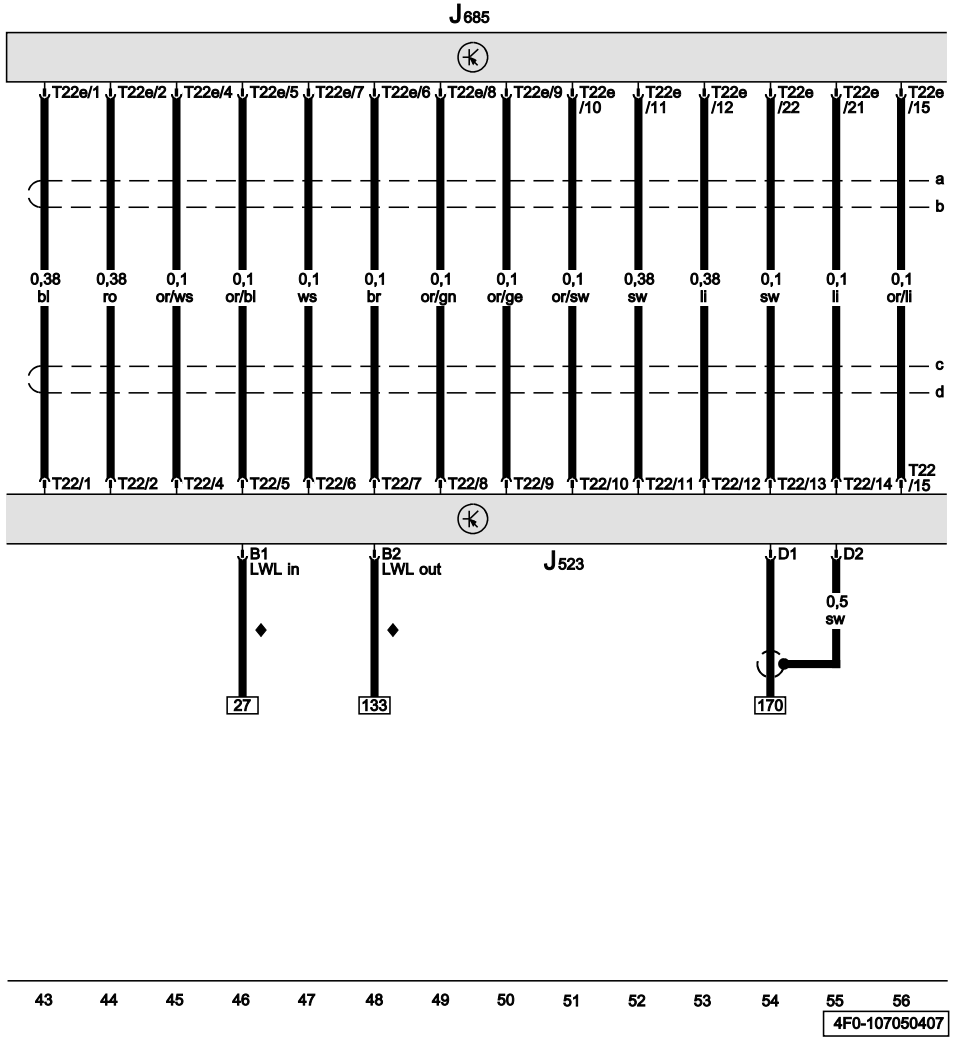
Front information display and operating unit control unit, multimedia system operating unit, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness

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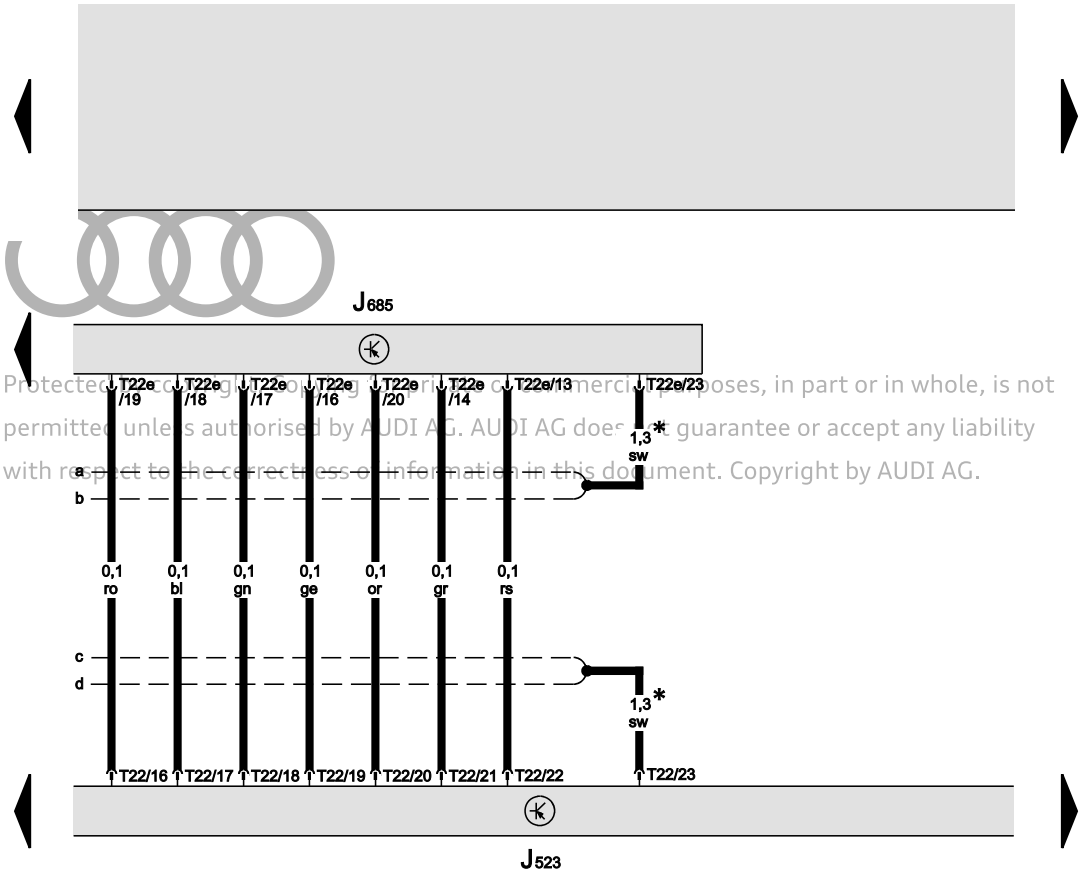
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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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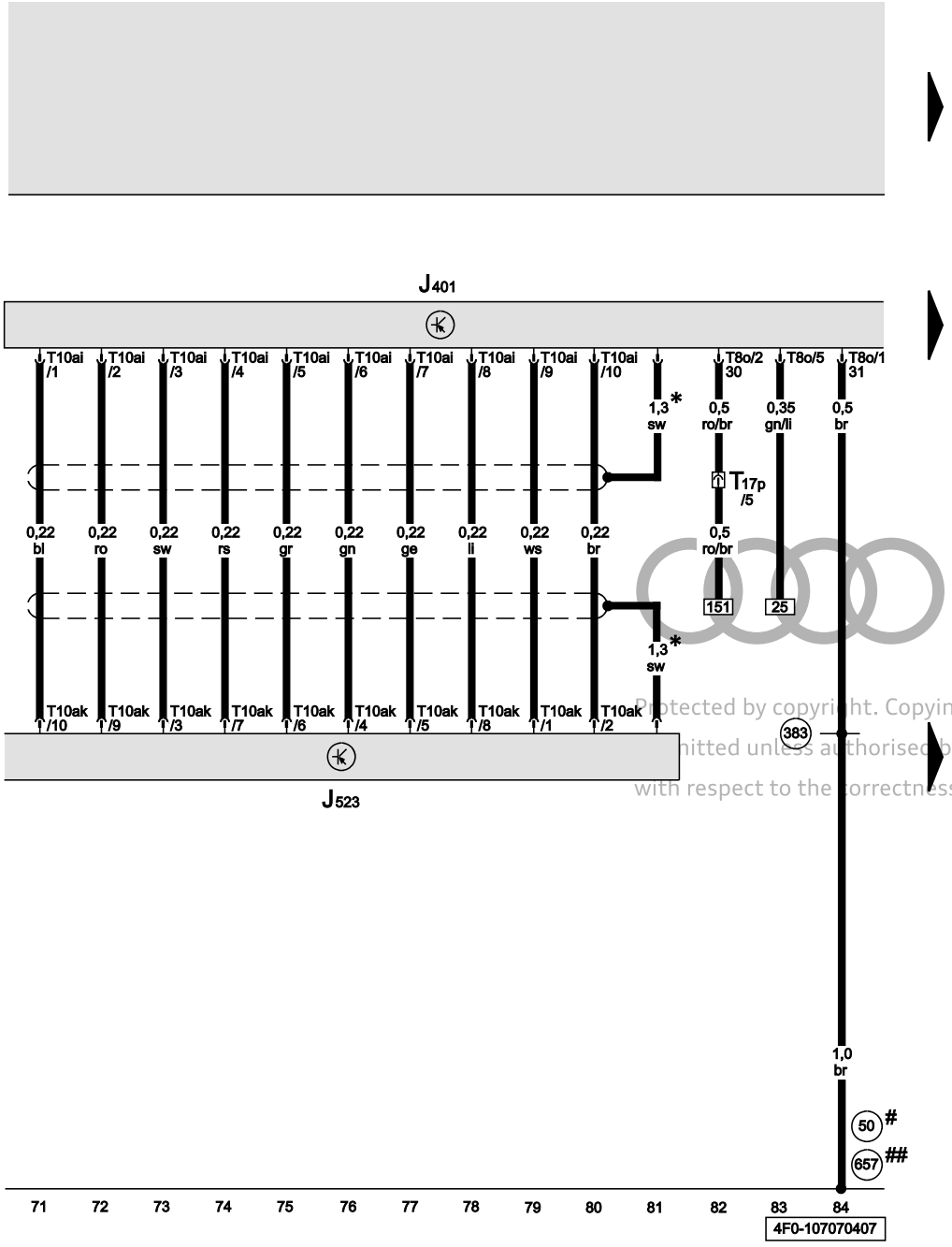


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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit
*	screening on connector housing

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Front information display and operating unit control unit, navigation system with CD drive control unit

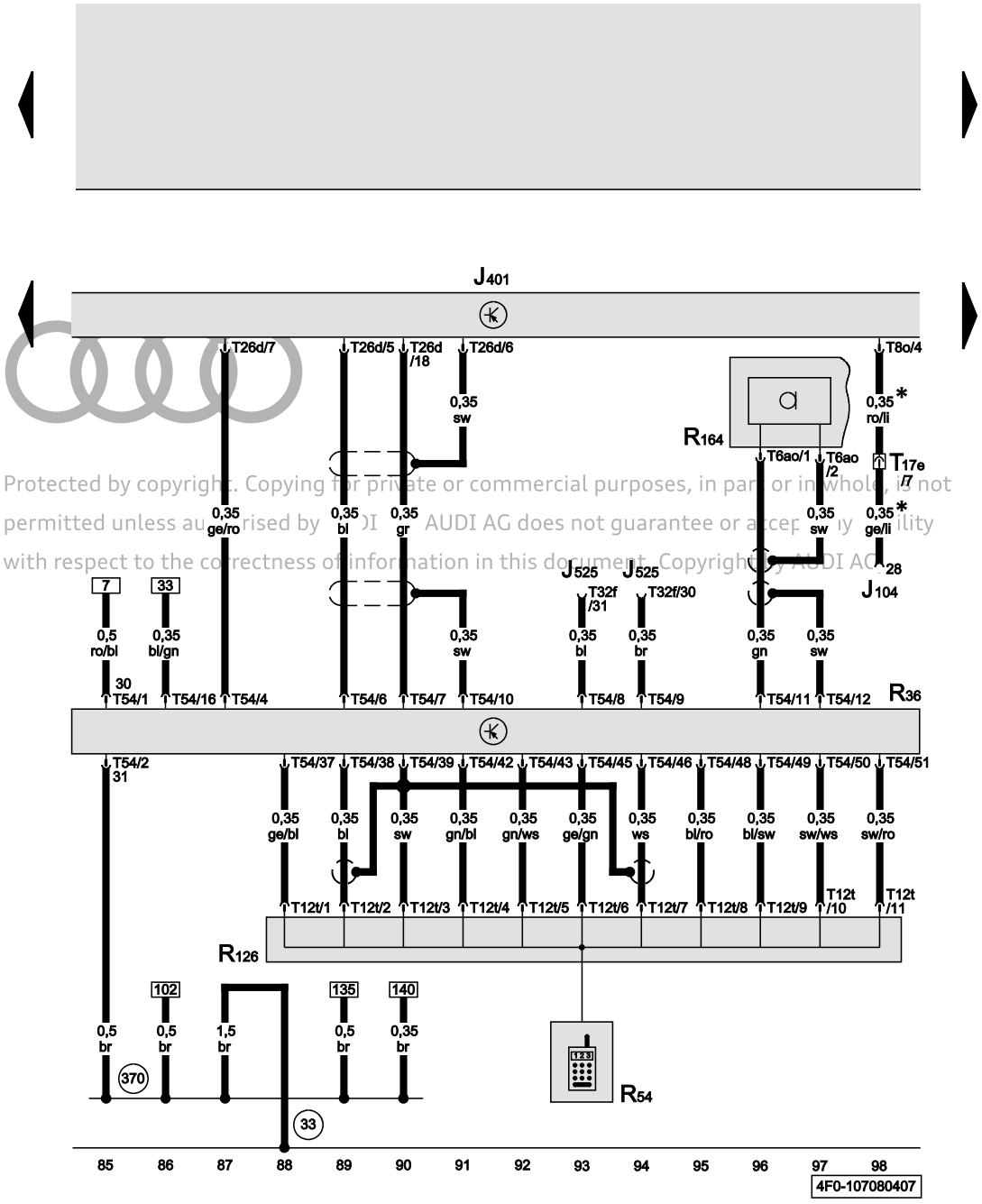
J401	Navigation system with CD drive control unit
J523	Front information display and operating unit control unit
T8o	8-pin connector, black, on navigation system with CD drive control unit
T10ai	10-pin connector, black, on navigation system with CD drive control unit
T10ak	10-pin connector, black, on front information display and operating unit control unit
T17p	17-pin connector, black, in left luggage compartment
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
*	screening on connector housing
#	saloon models
##	Avant

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Navigation system with CD drive control unit, telephone transmitter and receiver unit, telephone bracket

J104	ABS control unit
J401	Navigation system with CD drive control unit
J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T8o	8-pin connector, black, on navigation system with CD drive control unit
T12t	12-pin connector, on telephone bracket
T17e	17-pin connector, red, coupling station on left of A-pillar
T26d	26-pin connector, black, on navigation system with CD drive control unit
T32f	32-pin connector, black, connector A, on digital sound package control unit
T54	54-pin connector, black, on telephone transmitter and receiver unit
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
*	Speed signal

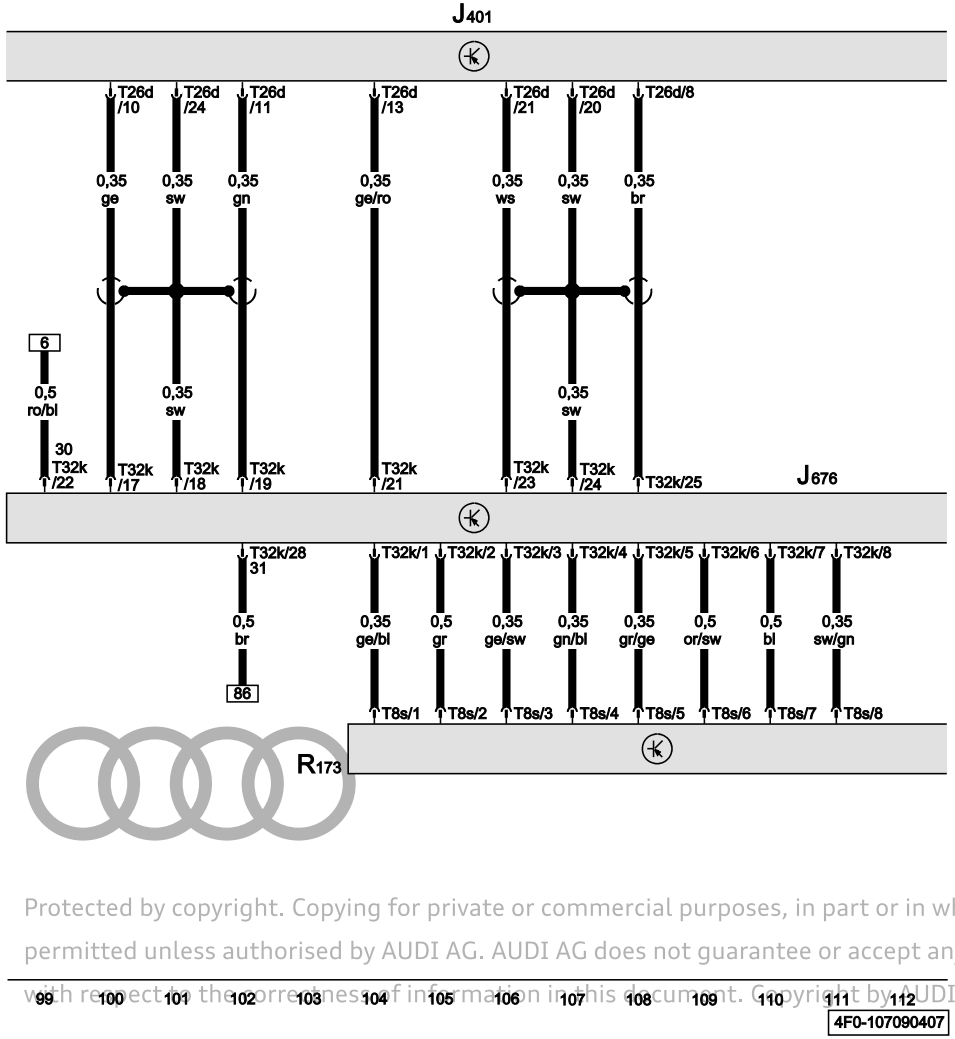


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Navigation system with CD drive control unit, traffic data aerial, chip card reader control unit

J401	Navigation system with CD drive control unit
J676	Chip card reader control unit
R173	Traffic data aerial
T8s	8-pin connector, connector A, on traffic data aerial
T26d	26-pin connector, black, on navigation system with CD drive control unit
T32k	32-pin connector, on chip card reader unit

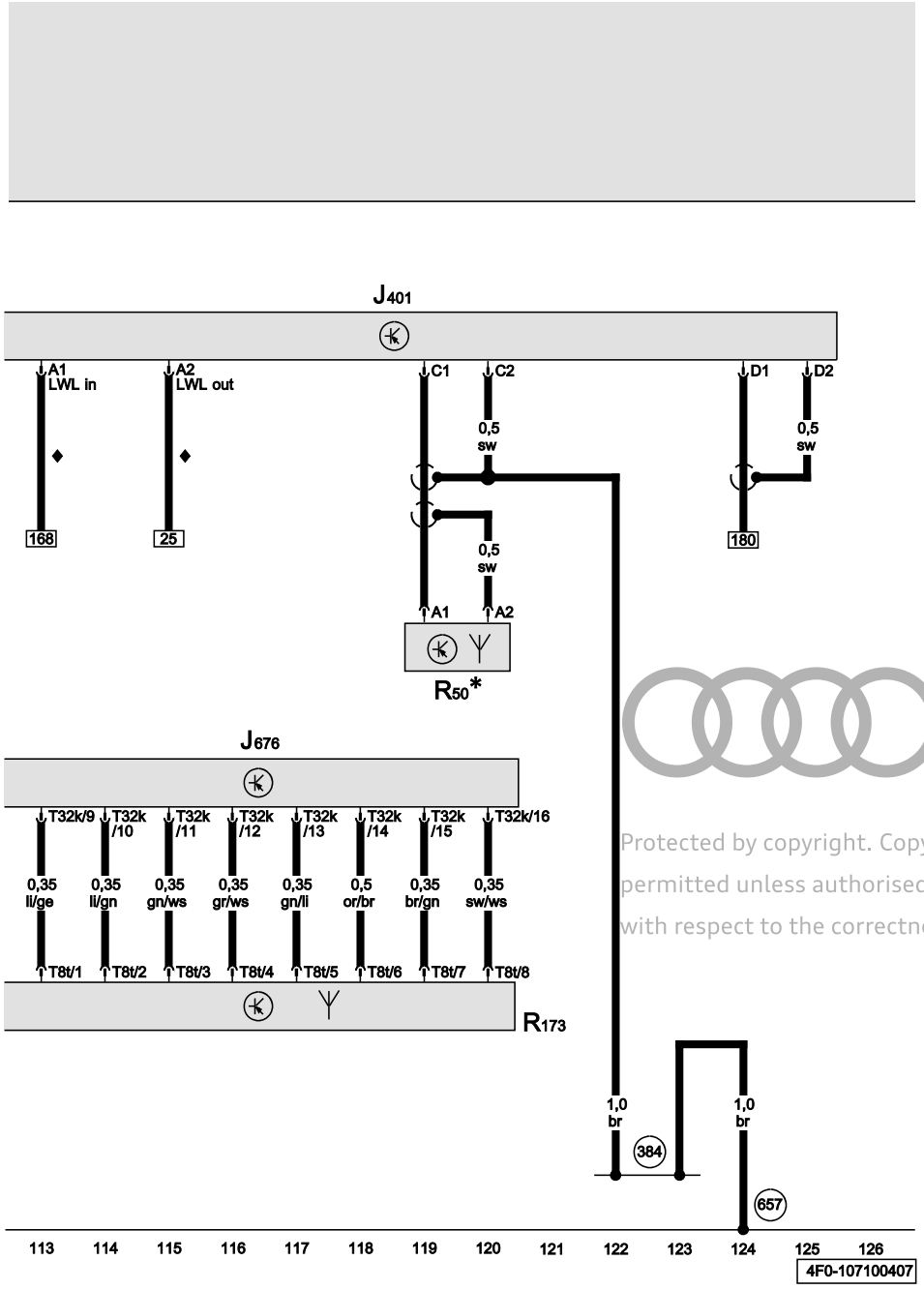


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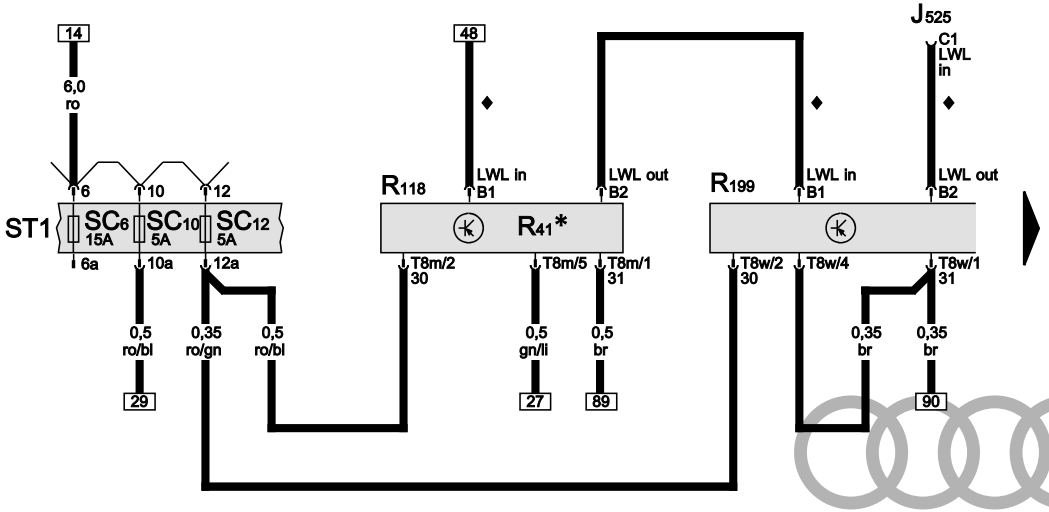
Navigation system with CD drive control unit, traffic data aerial, navigation system aerial, chip card reader control unit

J401	Navigation system with CD drive control unit
J676	Chip card reader control unit
R50	Navigation system aerial
R173	Traffic data aerial
T8t	8-pin connector, connector B, on traffic data aerial
T32k	32-pin connector, on chip card reader unit
384	Earth connection 19, in main wiring harness
657	Earth point 1, on left near rear window
*	under roof trim
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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Media player in position 1, connection for external audio source, fuses

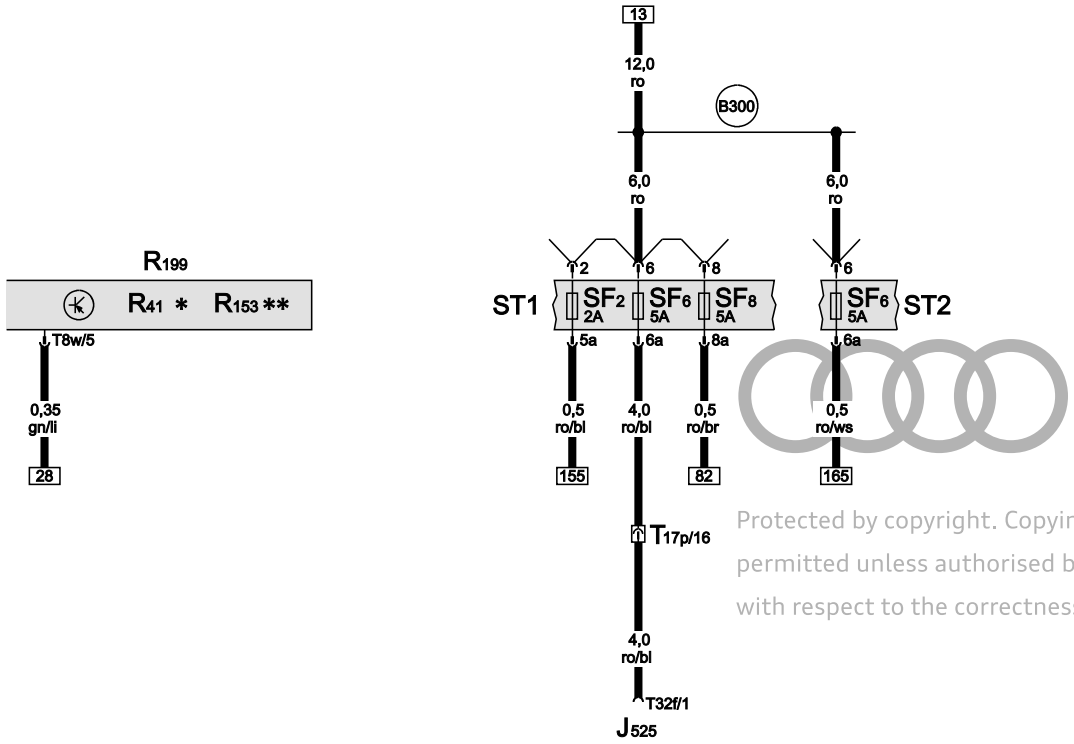
J525	Digital sound package control unit
R41	CD changer
R118	Media player in position 1
R199	Connection for external audio source
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC12	Fuse 12 on fuse holder C
T8m	8-pin connector, black, on media player in position 1
T8w	8-pin connector, black, on connection for external audio source
*	models with CD changer
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Connection for external audio source, fuses

J525	Digital sound package control unit
R41	CD changer
R153	MiniDisc player
R199	Connection for external audio source
SF2	Fuse 2 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
T8w	8-pin connector, black, on connection for external audio source
T17p	17-pin connector, black, in left luggage compartment
T32f	32-pin connector, black, connector A, on digital sound package control unit
B300	Positive connection 4 (30), in main wiring harness
*	models with CD changer
**	models with MiniDisc player

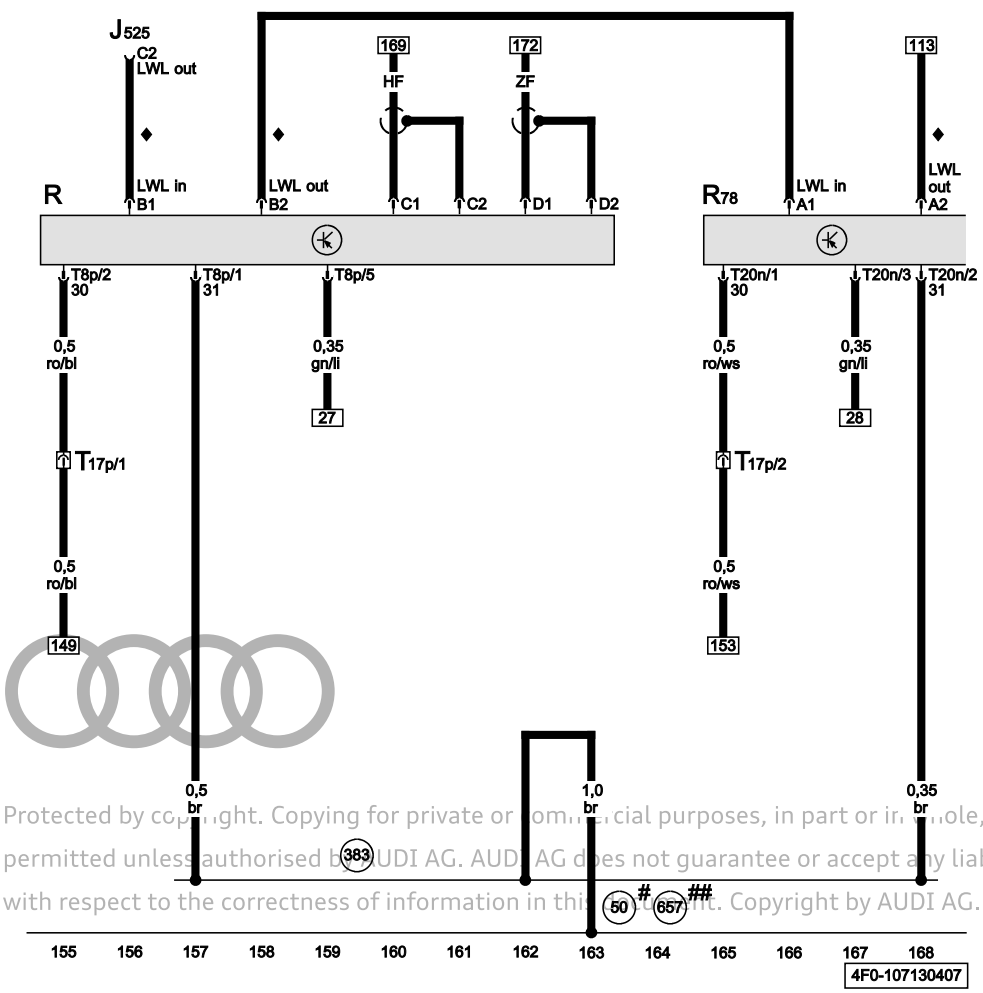


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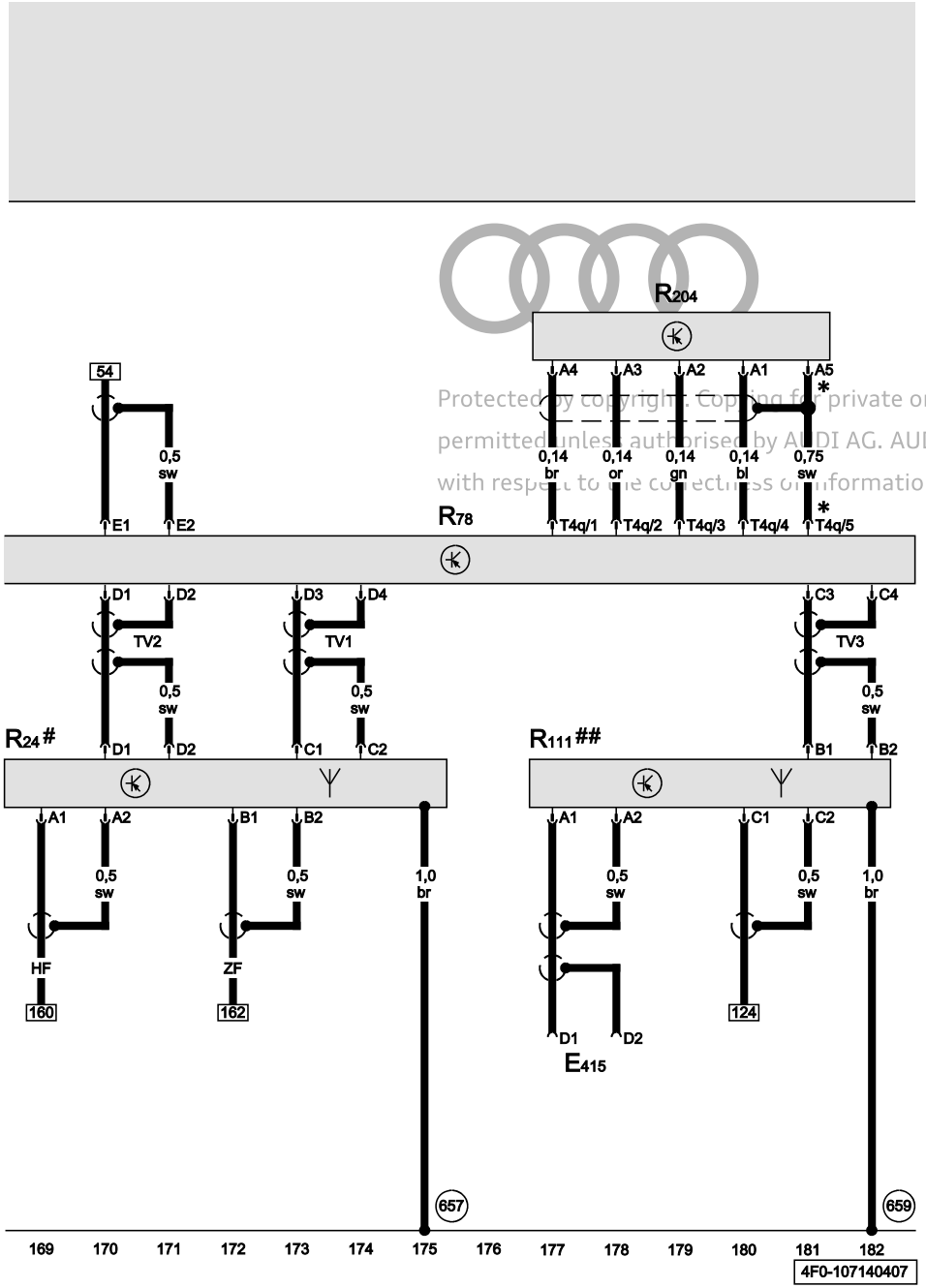
Radio, TV tuner

J525	Digital sound package control unit
R	Radio
R78	TV tuner
T8p	8-pin connector, black, on radio (K-box)
T17p	17-pin connector, black, in left luggage compartment
T20n	20-pin connector, red, connector B, on TV tuner
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)
#	saloon models
##	Avant

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TV tuner, aerial amplifier, aerial amplifier 2, TV card reader

E415	Entry and start authorisation switch
R24	Aerial amplifier
R78	TV tuner
R111	Aerial amplifier 2
R204	TV card reader
T4q	4-pin connector, on TV tuner
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
#	on rear window upper left
##	on rear window upper right
*	screening on connector housing



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Lane departure warning

from June 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

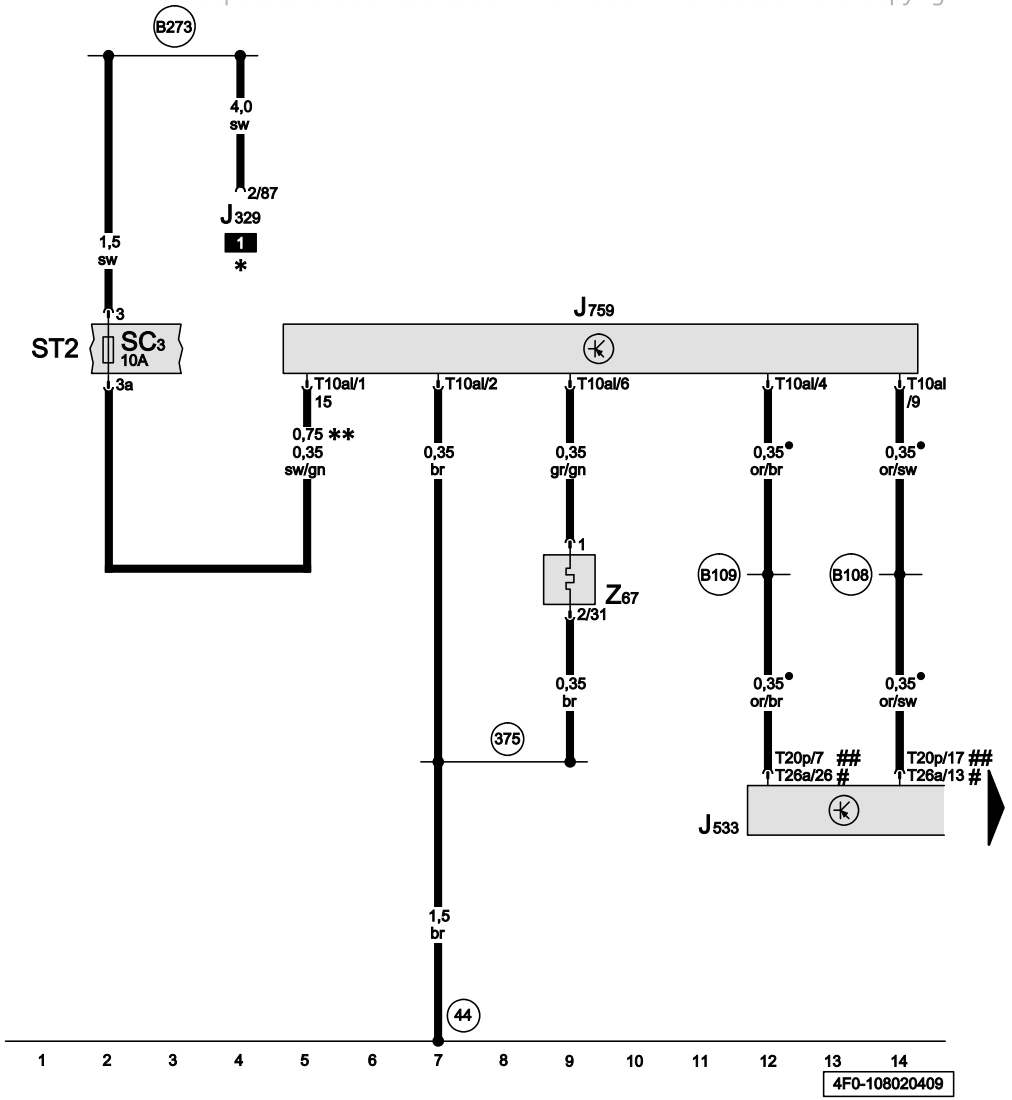
For information concerning

- Fault Finding Programs

⇒ guided fault finding

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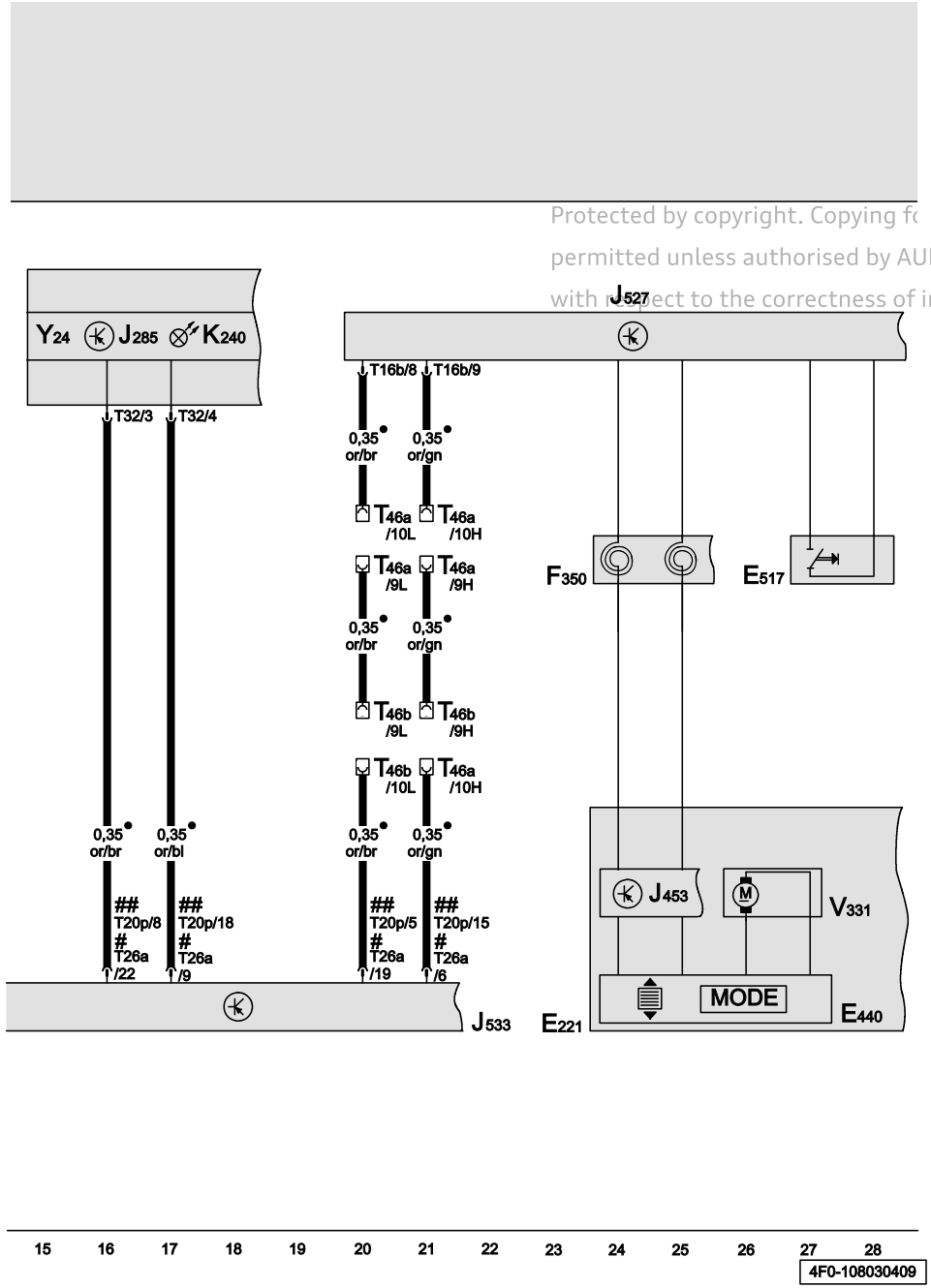


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Lane departure warning control unit, windscreen heater for lane departure warning, fuse

J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
J759	Lane departure warning control unit
SC3	Fuse 3 on fuse holder C
T10al	10-pin connector, black, on lane departure warning control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T26a	26-pin connector, black, on data bus diagnostic interface
Z67	Windscreen heater for lane departure warning
44	Earth point, lower part of left A-pillar
375	Earth connection 10, 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
B273	Positive connection (15), in main wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	phased-in modification
#	up to May 2008
##	from June 2008

Data bus diagnostic interface, steering column electronics control unit, lane departure warning button, steering wheel vibration motor



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E221	Operating unit in steering wheel
E440	Multifunction buttons on left in steering wheel
E517	Lane departure warning button
F350	Coil connector
J285	Control unit in dash panel insert
J453	Multifunction steering wheel control unit
J527	Steering column electronics control unit
J533	Data bus diagnostic interface
K240	Lane departure warning lamp
T16b	16-pin connector, behind steering column switch trim
T20p	20-pin connector, black, on data bus diagnostic interface
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T46a	46-pin connector, CAN disconnector left
T46b	46-pin connector, CAN disconnector right
V331	Steering wheel vibration motor
Y24	Display in dash panel insert
•	CAN bus (data wire)
#	up to May 2008
##	from June 2008

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Audi RS6 5.0 l Fuel injection engine (426 kW - 10 cylinder), engine code BUH

from June 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

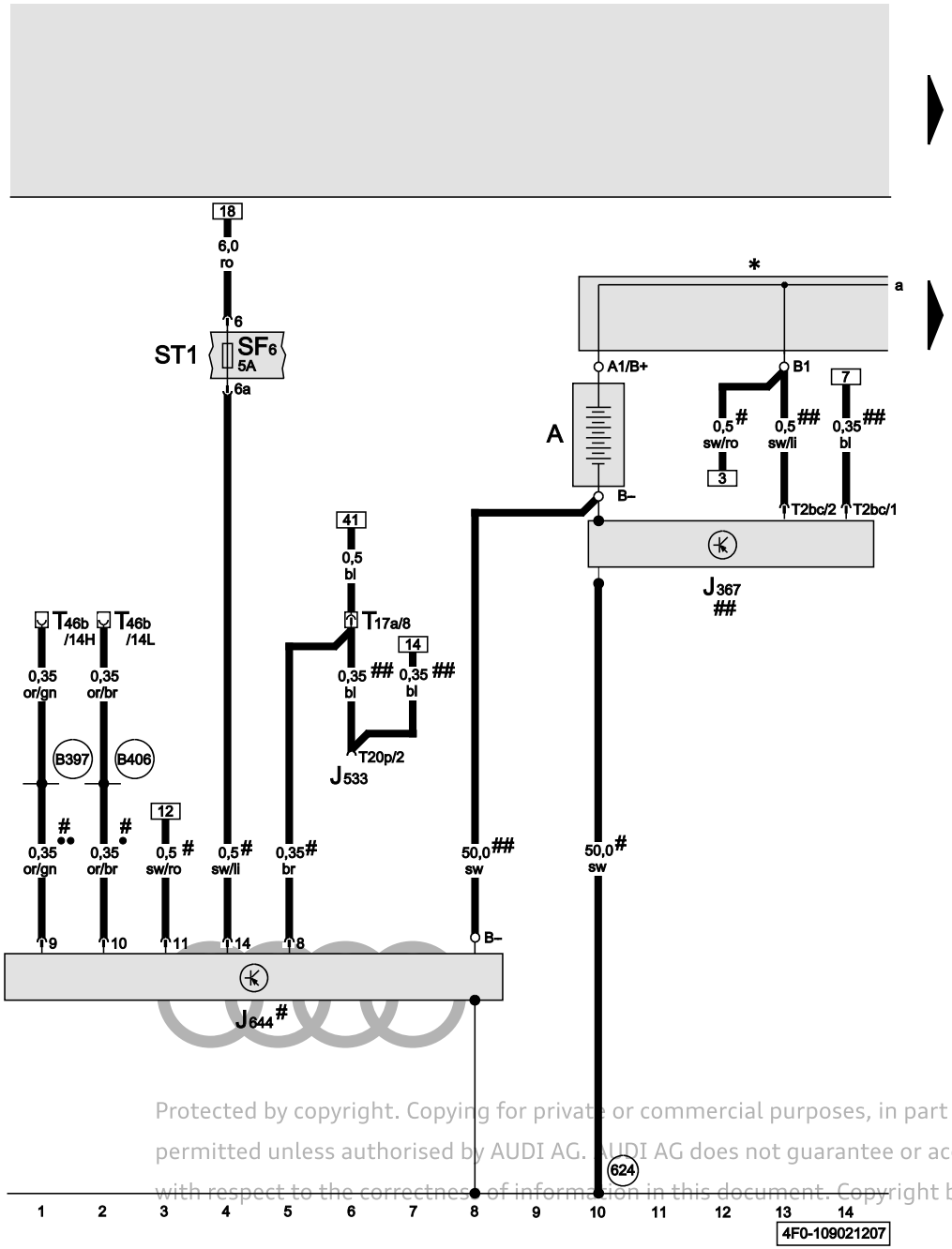
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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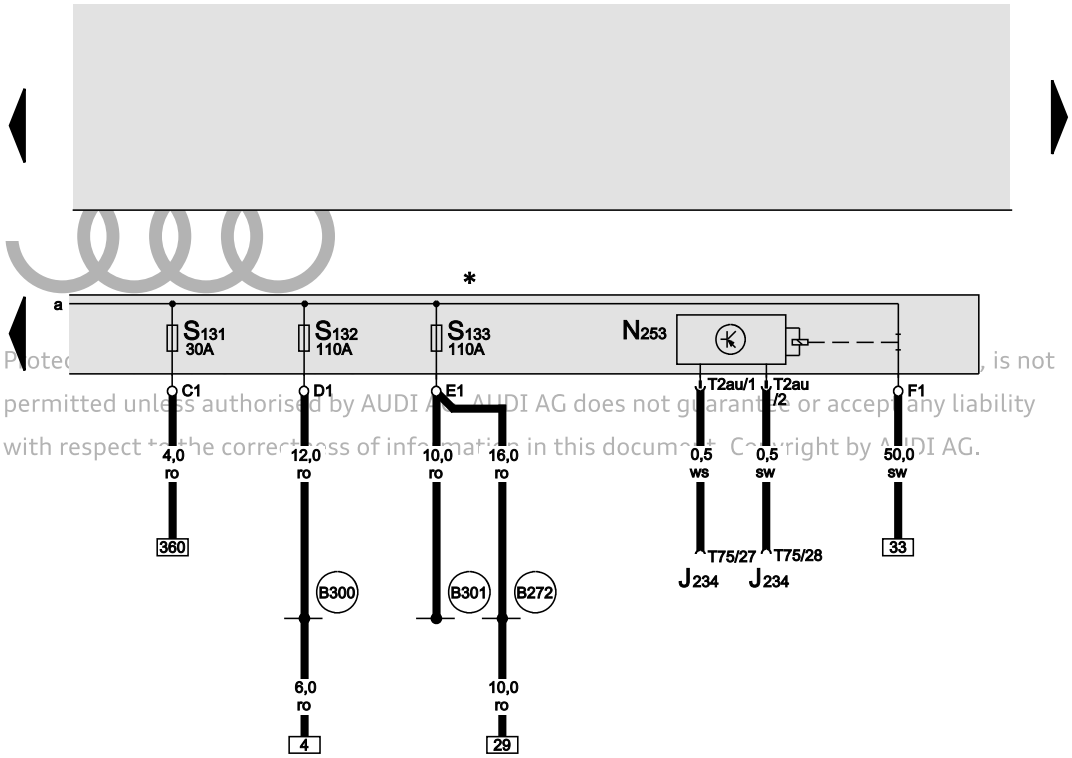


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Battery, energy management control unit, battery monitor control unit, fuses

A	battery
J367	Battery monitor control unit
J533	Data bus diagnostic interface
J644	Energy management control unit
SF6	Fuse 6 on fuse holder F
T2bc	2-pin connector, yellow, on battery monitor control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
T46b	46-pin connector, CAN disconnector right
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
624	Earth point, starter battery
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery
#	up to May 2008
##	from June 2008



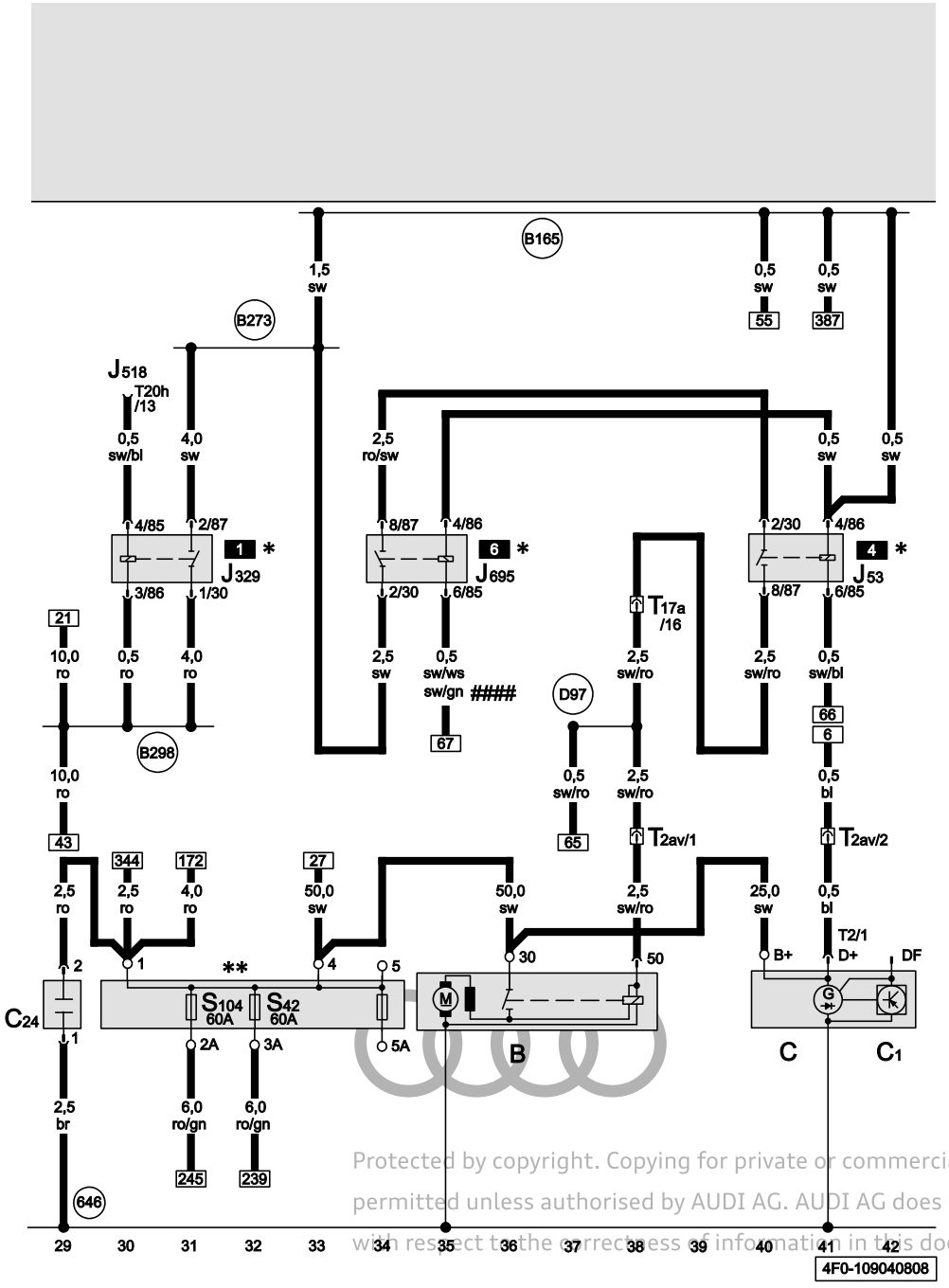
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Battery isolation igniter, fuses

J234	Airbag control unit
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T75	75-pin connector, grey, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery



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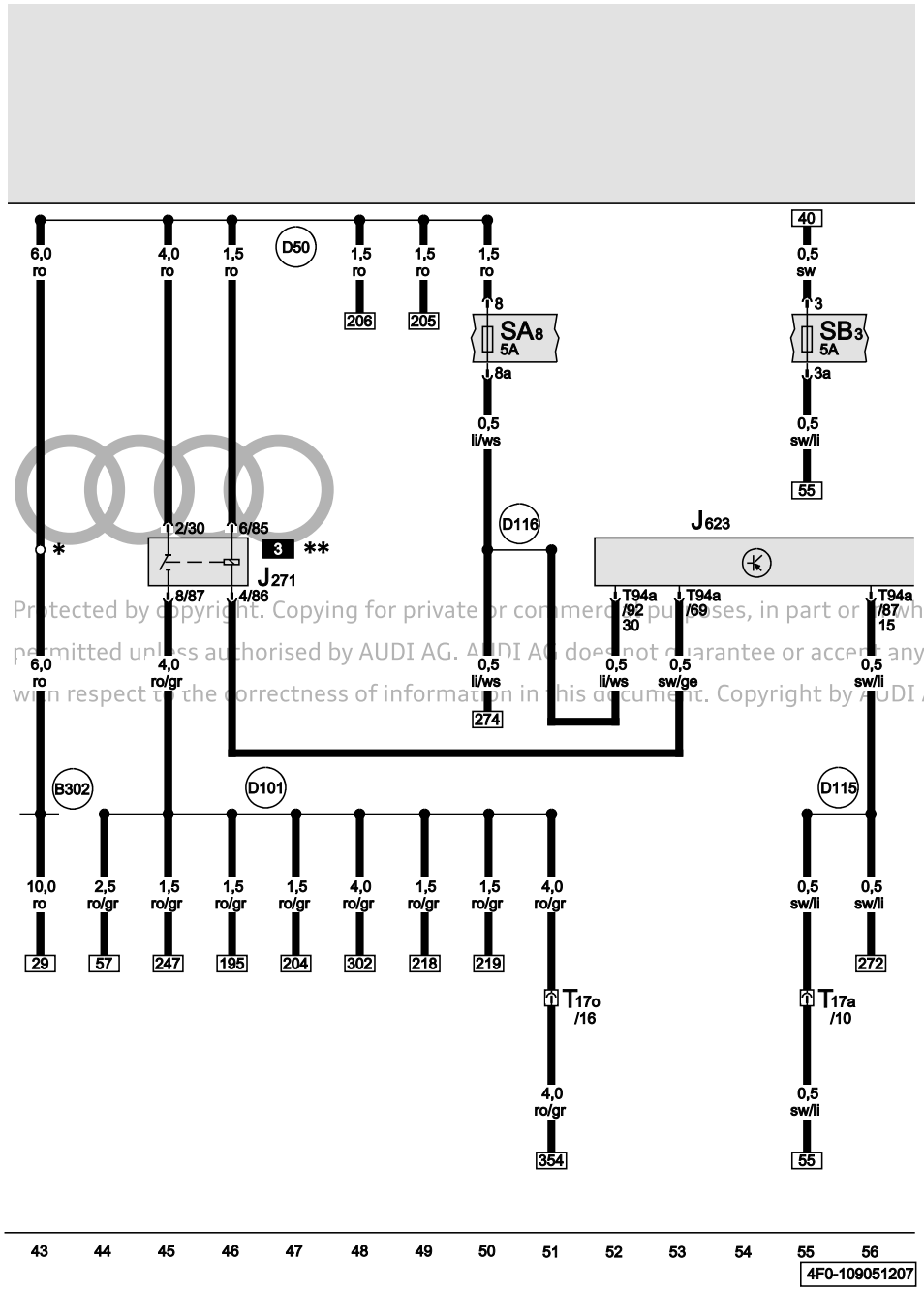


Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T2av	2-pin connector, brown, on right in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	9-point relay carrier, behind driver storage compartment
**	Main fuse carrier electronics box right in plenum chamber
####	right-hand drive

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gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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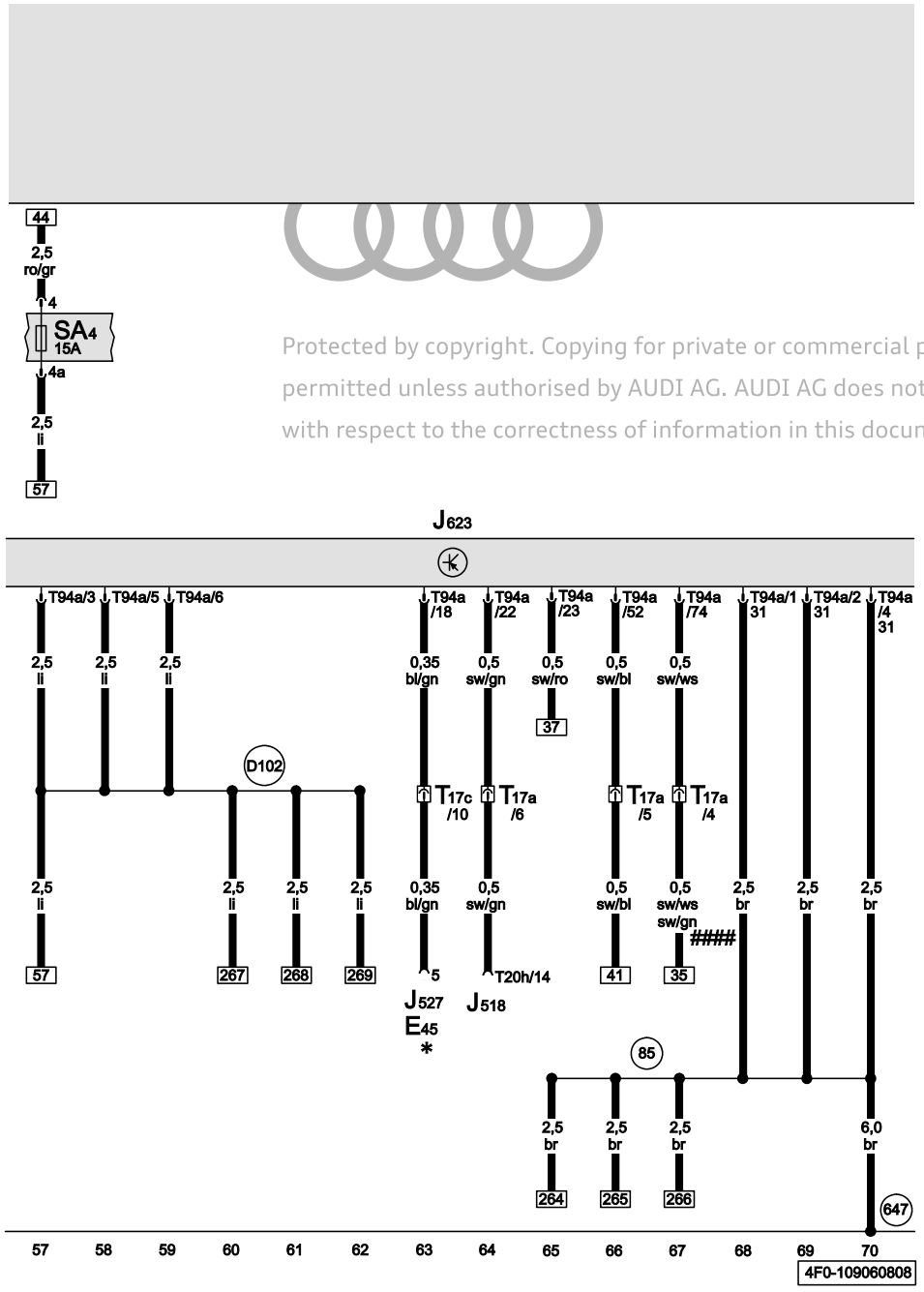


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Engine control unit, Motronic current supply relay

J271	Motronic current supply relay
J623	Engine control unit
SA8	Fuse 8 in fuse holder A
SB3	Fuse 3 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
D115	Connection 13, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber

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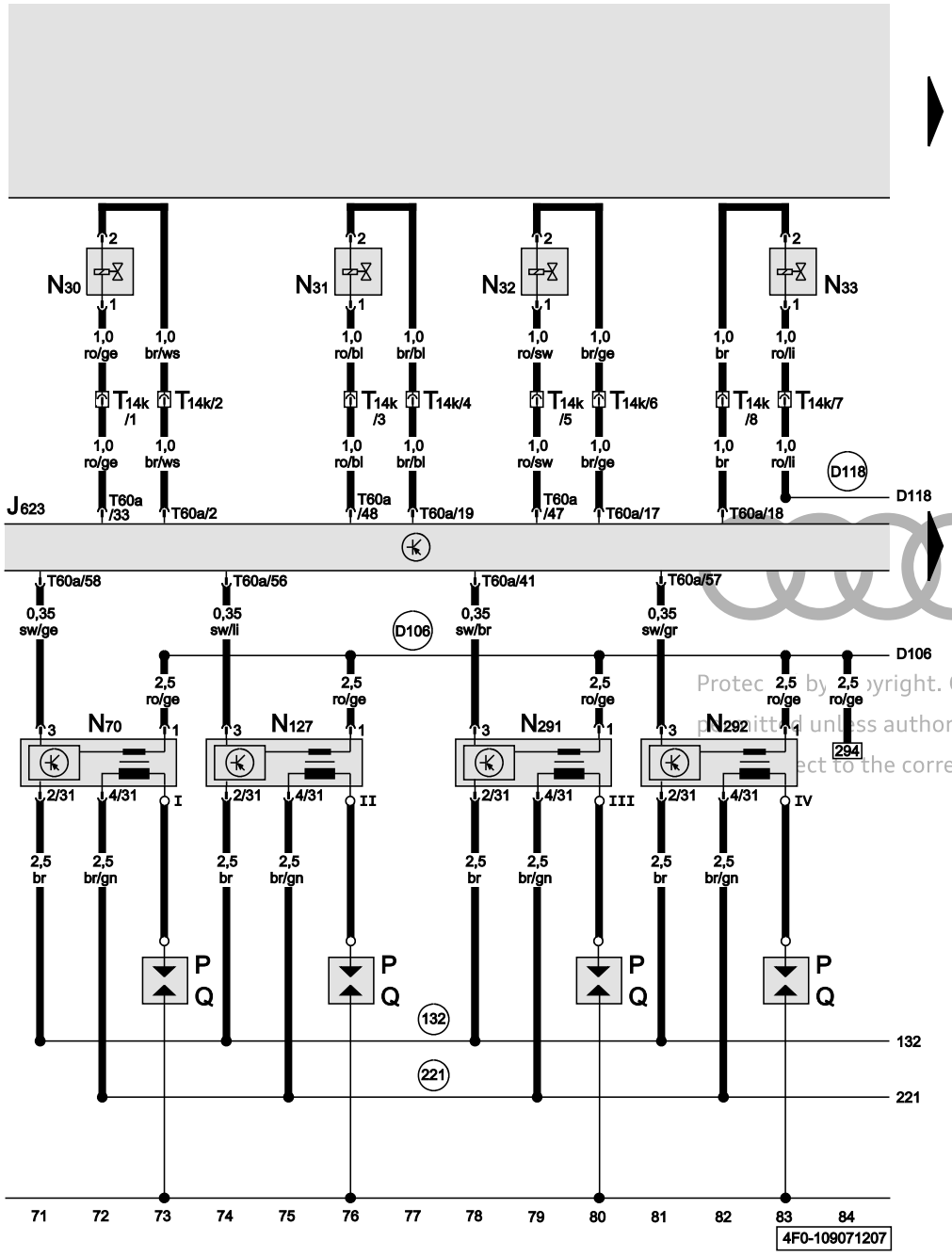
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Engine control unit

E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
647	Earth point 3, on bulkhead
D102	Connection 2, in engine compartment wiring harness
*	models with cruise control system
####	right-hand drive

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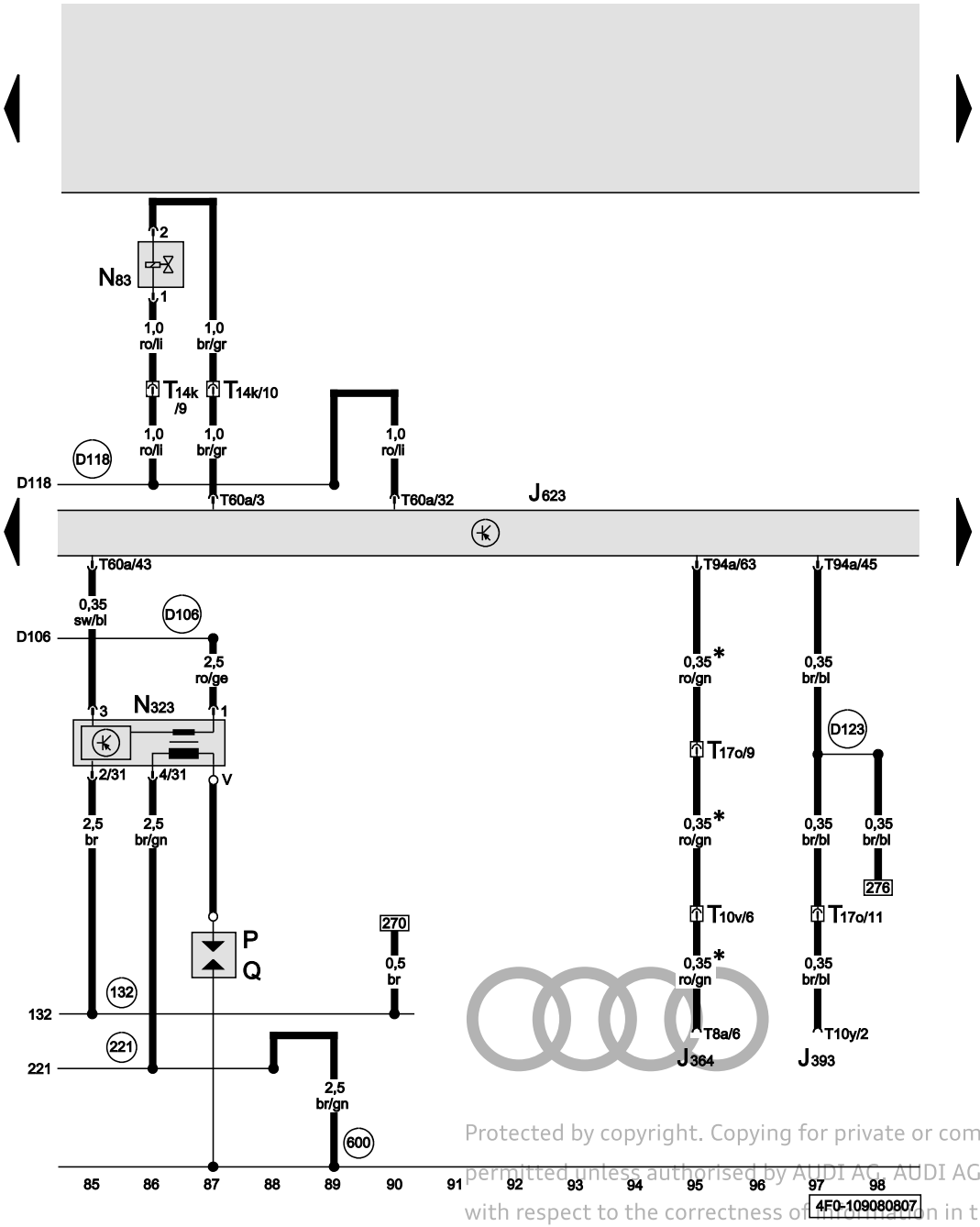
Engine control unit, injector cylinder 1 up to 4, ignition coil 1 up to 4 with output stage



J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
T14k	14-pin connector, black, in engine compartment, bank 1
T60a	60-pin connector, black, connector A, on engine control unit
132	Earth connection 3, in engine compartment wiring harness
221	Earth connection (engine earth), in engine wiring harness
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness

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Engine control unit, injector, cylinder 5, ignition coil 5 with output stage

J364	Auxiliary heater control unit
J393	Convenience system central control unit
J623	Engine control unit
N83	Injector, cylinder 5
N323	Ignition coil 5 with output stage
P	Spark plug connector
Q	Spark plugs
T8a	8-pin connector, black, on auxiliary heater control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T10y	10-pin connector, black, connector C, on convenience system control unit
T14k	14-pin connector, black, in engine compartment, bank 1
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
132	Earth connection 3, in engine compartment wiring harness
221	Earth connection (engine earth), in engine wiring harness
600	Earth point, on right of cylinder head
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness
D123	Connection 21, in engine compartment wiring harness
*	models with auxiliary heater

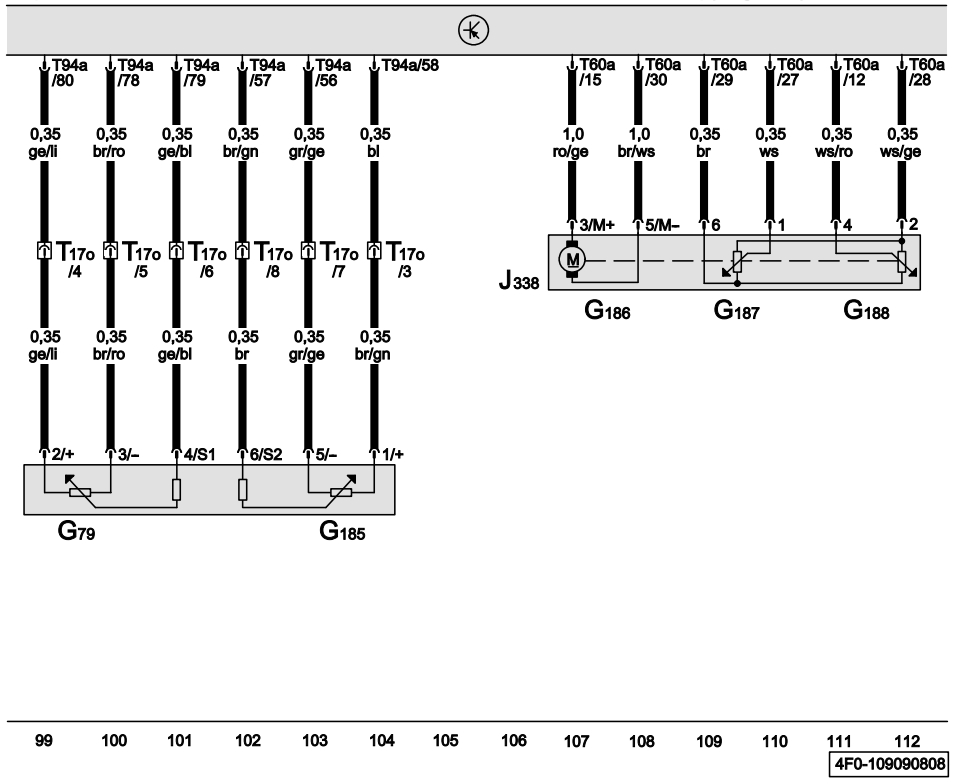
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Engine control unit, throttle valve module, accelerator position sender

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
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 control unit
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit

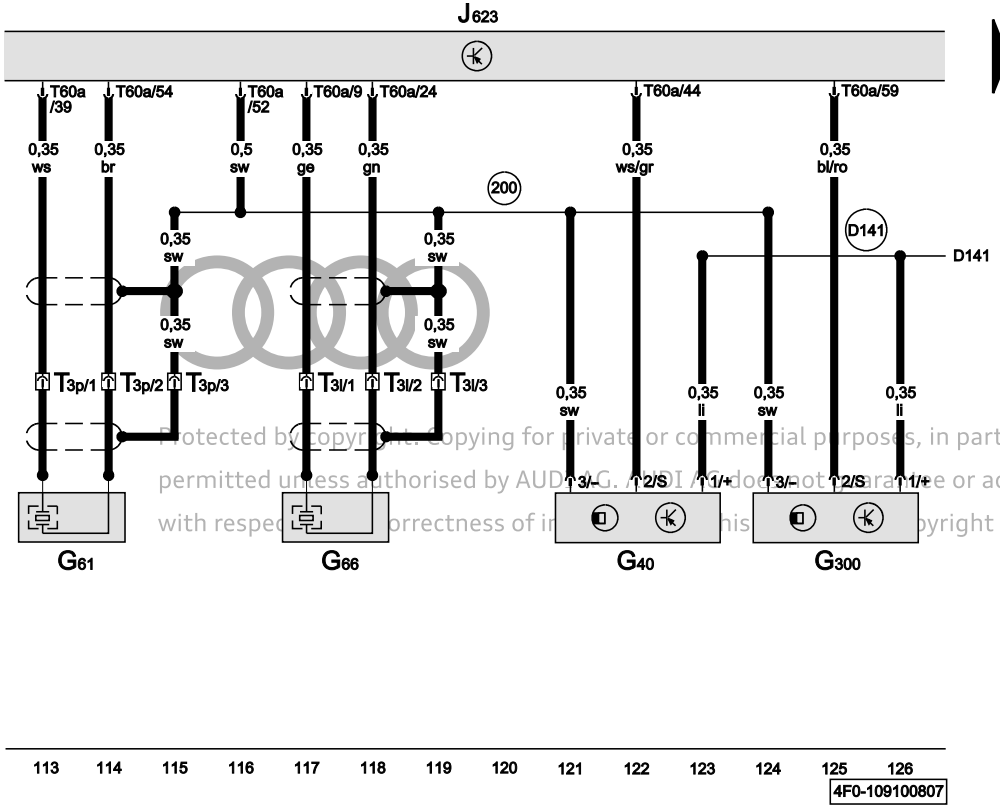
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Engine control unit, Hall sender, knock sensors

G40	Hall sender
G61	Knock sensor 1
G66	Knock sensor 2
G300	Hall sender 3
J623	Engine control unit
T3l	3-pin connector, grey, on knock sensor 2
T3p	3-pin connector, black, on knock sensor 1
T60a	60-pin connector, black, connector A, on engine control unit
200	Earth connection (screening) in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness

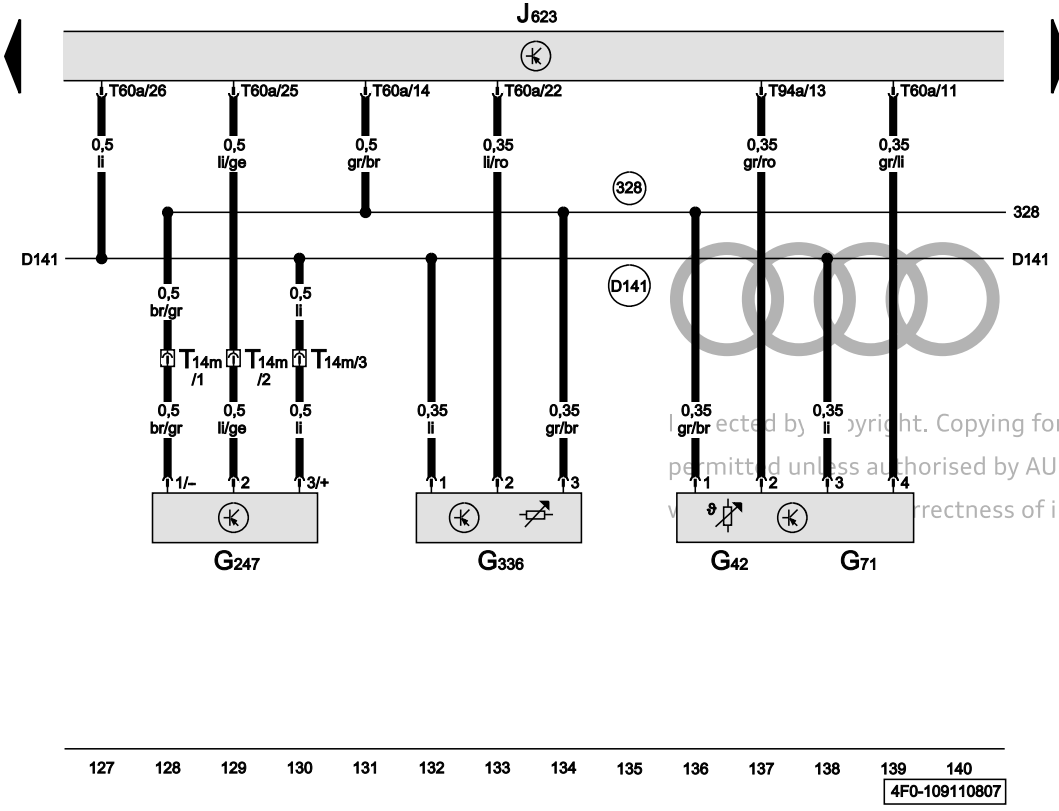


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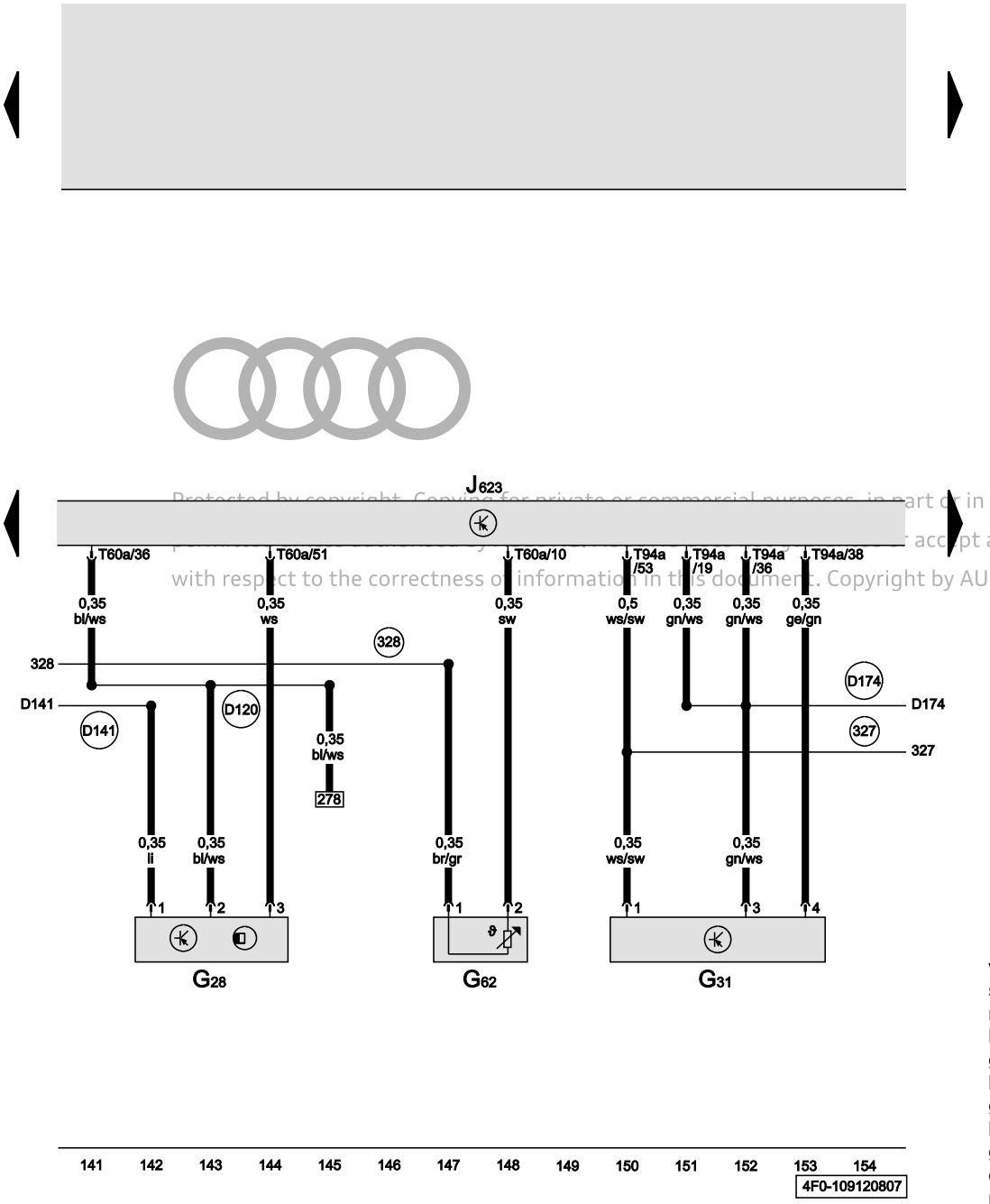
Engine control unit, intake air temperature sender, fuel pressure sender, intake manifold pressure sender, intake manifold flap potentiometer

G42	Intake air temperature sender
G71	Intake manifold pressure sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
J623	Engine control unit
T14m	14-pin connector, brown, in left engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness



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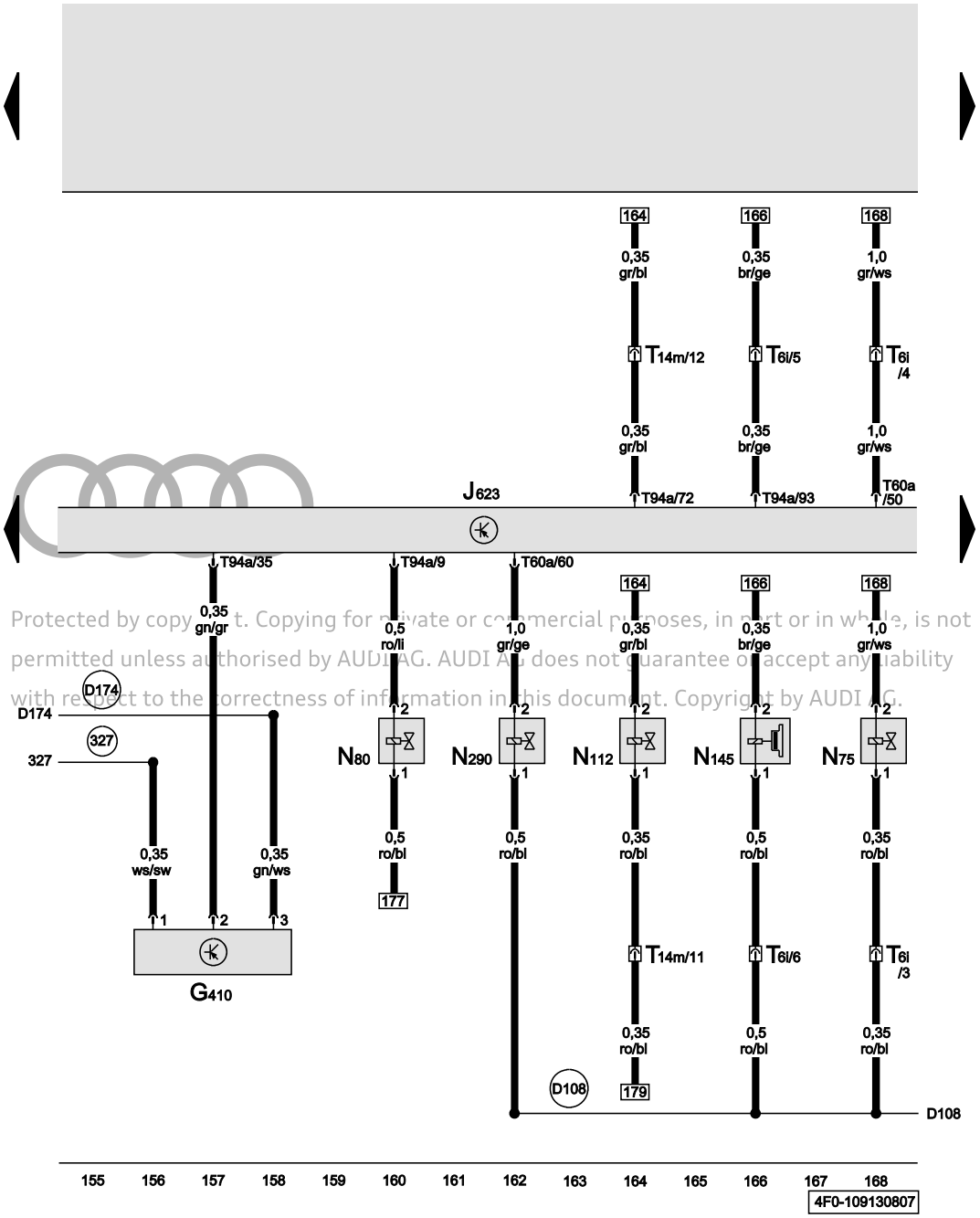


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Engine control unit, engine speed sender, charge air pressure sender, coolant temperature sender

G28	Engine speed sender
G31	Charge air pressure sender
G62	Coolant temperature sender
J623	Engine control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
D174	Connection 2 (5V), in engine wiring harness



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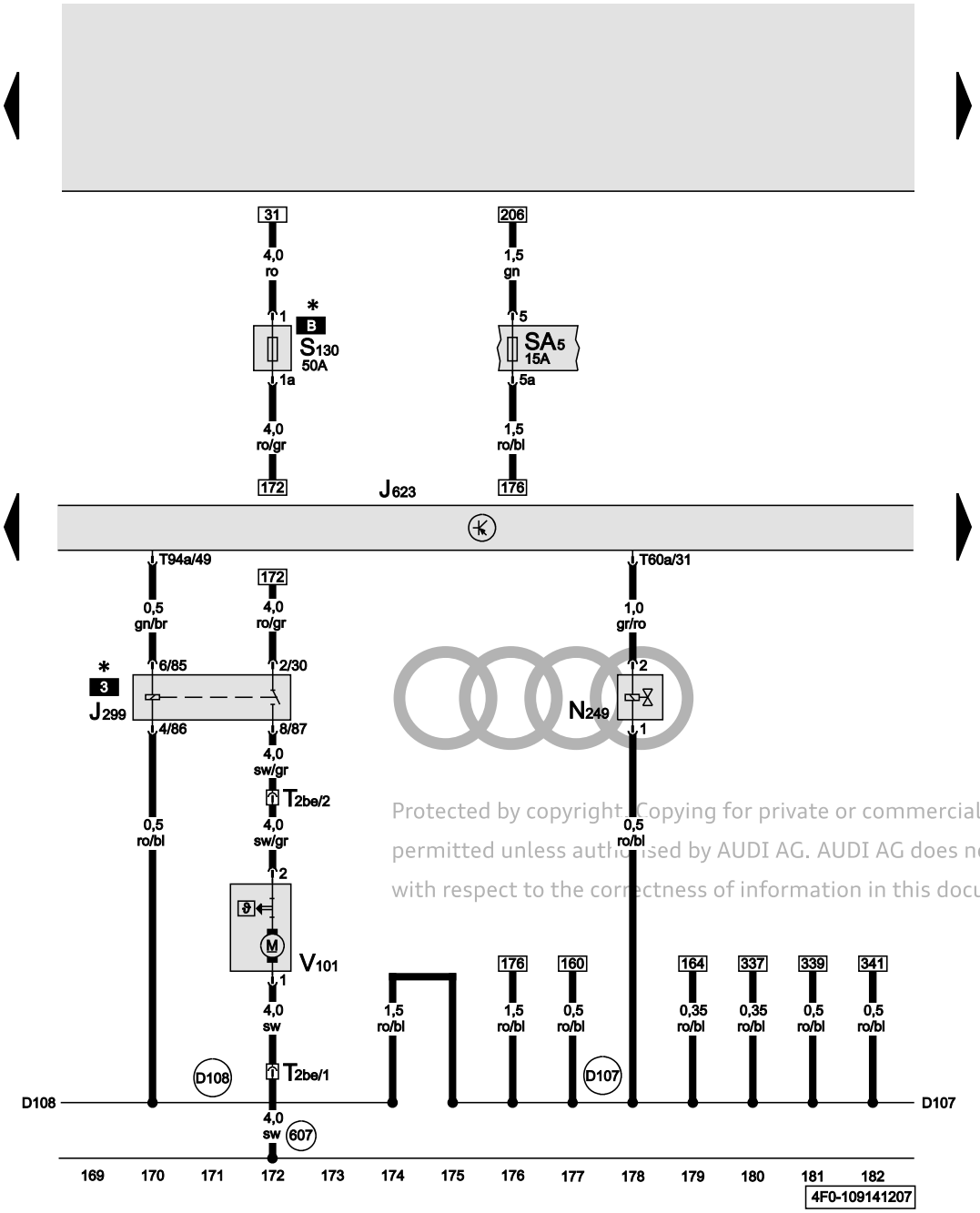
Engine control unit, fuel pressure sender for low pressure, charge pressure control solenoid valve, active charcoal filter system solenoid valve 1, secondary air inlet valve, right electrohydraulic engine mounting solenoid valve, fuel metering valve

G410	Fuel pressure sender for low pressure
J623	Engine control unit
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter solenoid valve 1
N112	Secondary air inlet valve
N145	Right electrohydraulic engine mounting solenoid valve
N290	Fuel metering valve
T6i	6-pin connector, black, in right engine compartment
T14m	14-pin connector, brown, in left engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
D174	Connection 2 (5V), in engine wiring harness

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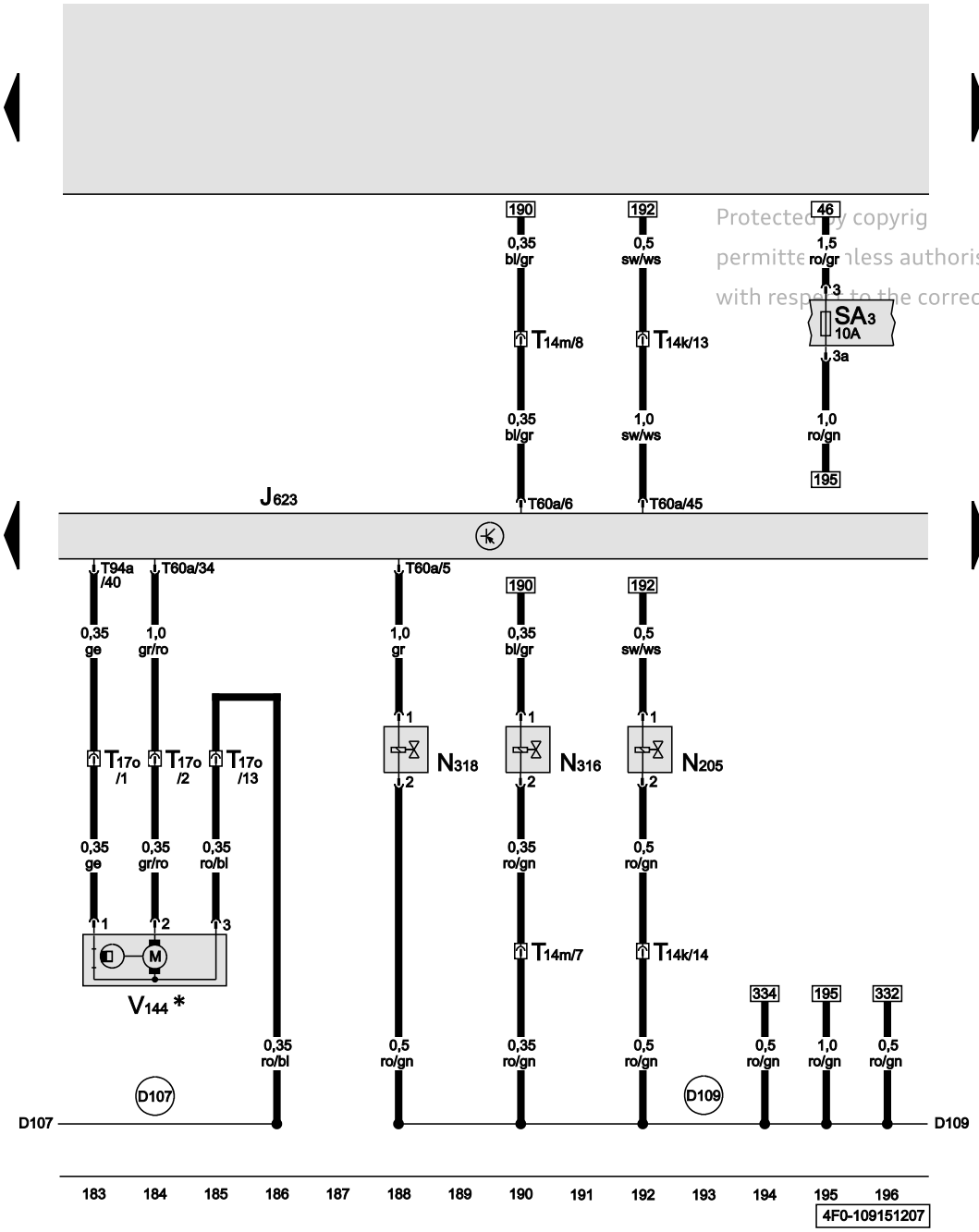
Engine control unit, secondary air pump relay, turbocharger air recirculation valve

J299	Secondary air pump relay
J623	Engine control unit
N249	Turbocharger air recirculation valve
S130	Secondary air pump fuse
SA5	Fuse 5 on fuse holder A
T2be	2-pin connector, black, on left in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V101	Secondary air pump motor
607	Earth point, on left in plenum chamber
D107	Connection 5, in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
*	Relay carrier electronics box on right in plenum chamber



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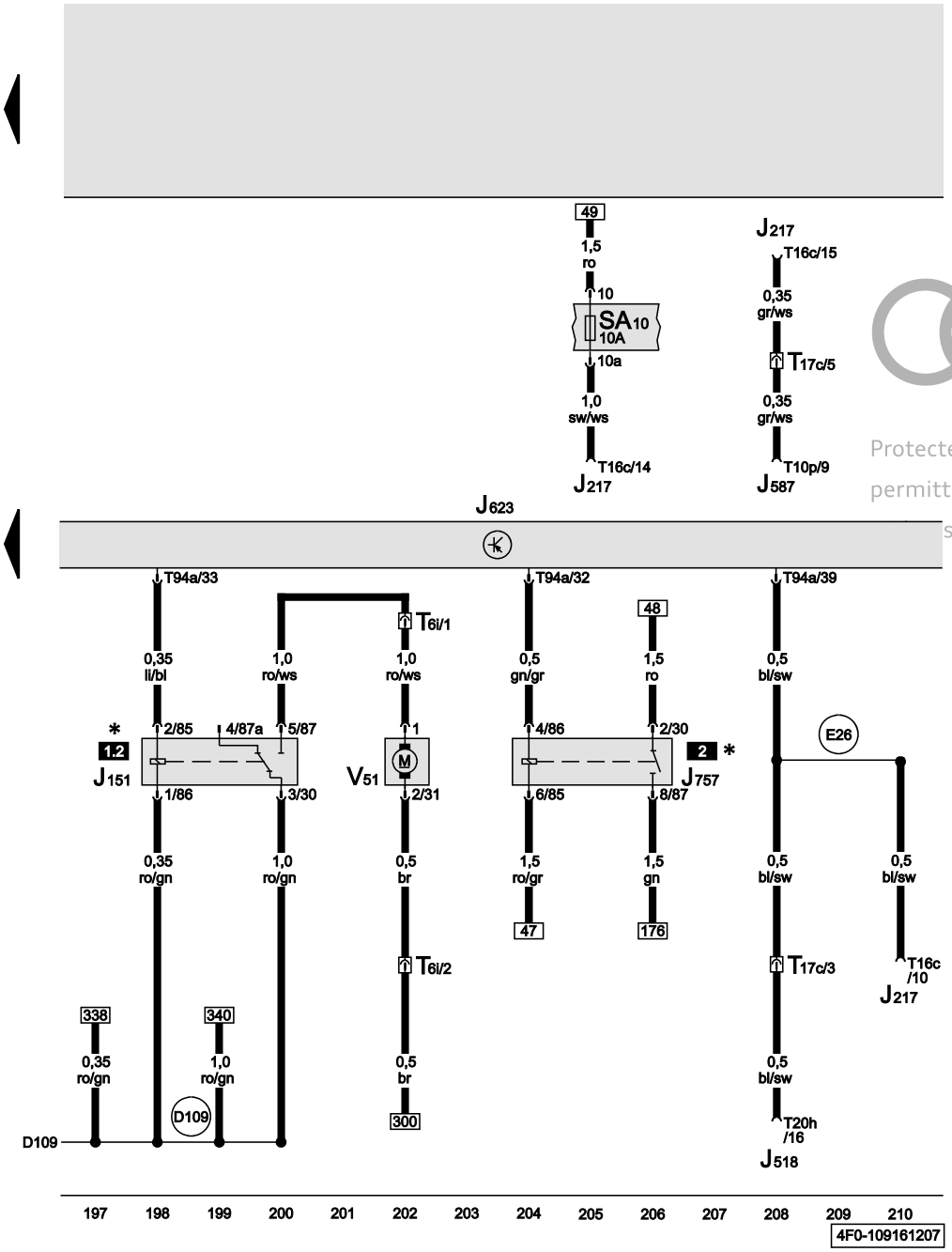


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Engine control unit, inlet camshaft control valve 1, exhaust camshaft control valve 1, intake manifold flap valve, fuel system diagnostic pump

J623	Engine control unit
N205	Camshaft control valve 1
N316	Intake manifold flap valve
N318	Exhaust camshaft control valve 1
SA3	Fuse 3 in fuse holder A
T14k	14-pin connector, black, in engine compartment, bank 1
T14m	14-pin connector, brown, in left engine compartment
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V144	Fuel system diagnostic pump
D107	Connection 5, in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness
*	models with fuel system diagnostic pump

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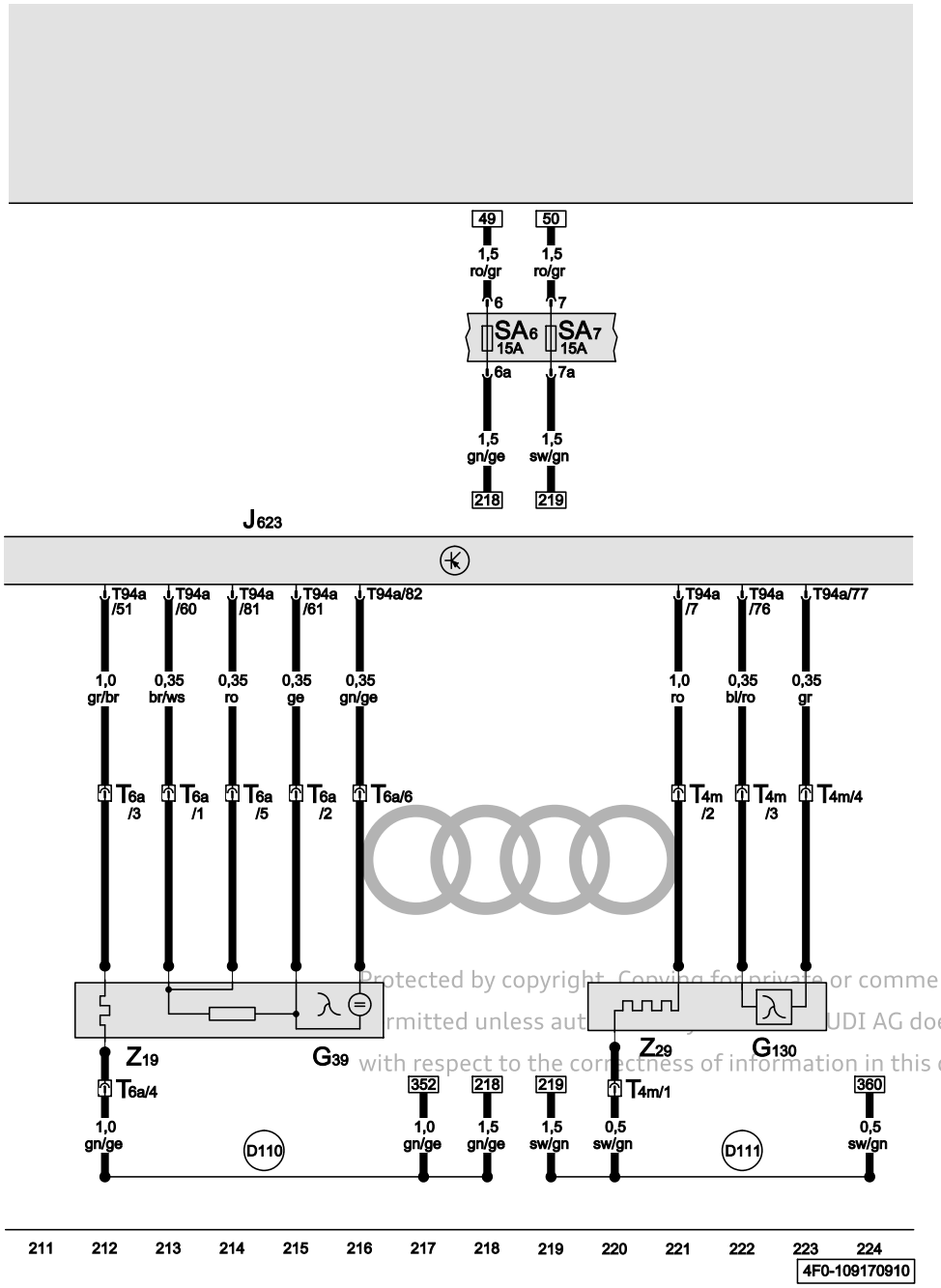


Engine control unit, continued coolant circulation relay, engine component current supply relay

J151	Continued coolant circulation relay
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
J623	Engine control unit
J757	Engine component current supply relay
SA10	Fuse 10 on fuse holder A
T6i	6-pin connector, black, in right engine compartment
T10p	10-pin connector, black, on selector lever sensors control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
V51	Continued coolant circulation pump
D109	Connection 7, in engine compartment wiring harness
E26	Connection (selector position P/N), in Motronic wiring harness
*	Relay carrier electronics box left in plenum chamber

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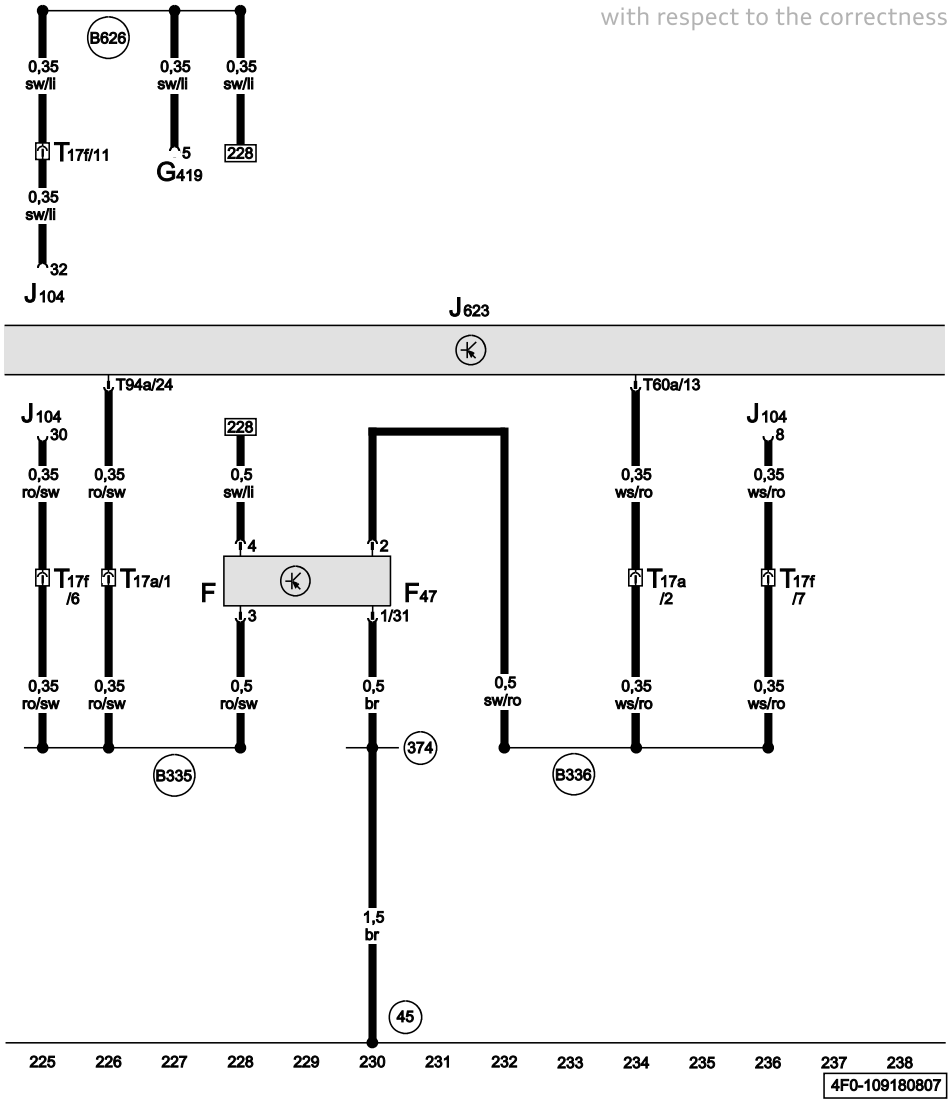
Engine control unit, lambda probe, lambda probe after catalytic converter

G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
T4m	4-pin connector, black, for Lambda probe after catalytic converter
T6a	6-pin connector, black, for Lambda probe
T94a	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
D110	Connection 8, in engine compartment wiring harness
D111	Connection 9, in engine compartment wiring harness

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Engine control unit, brake light switch, brake pedal switch

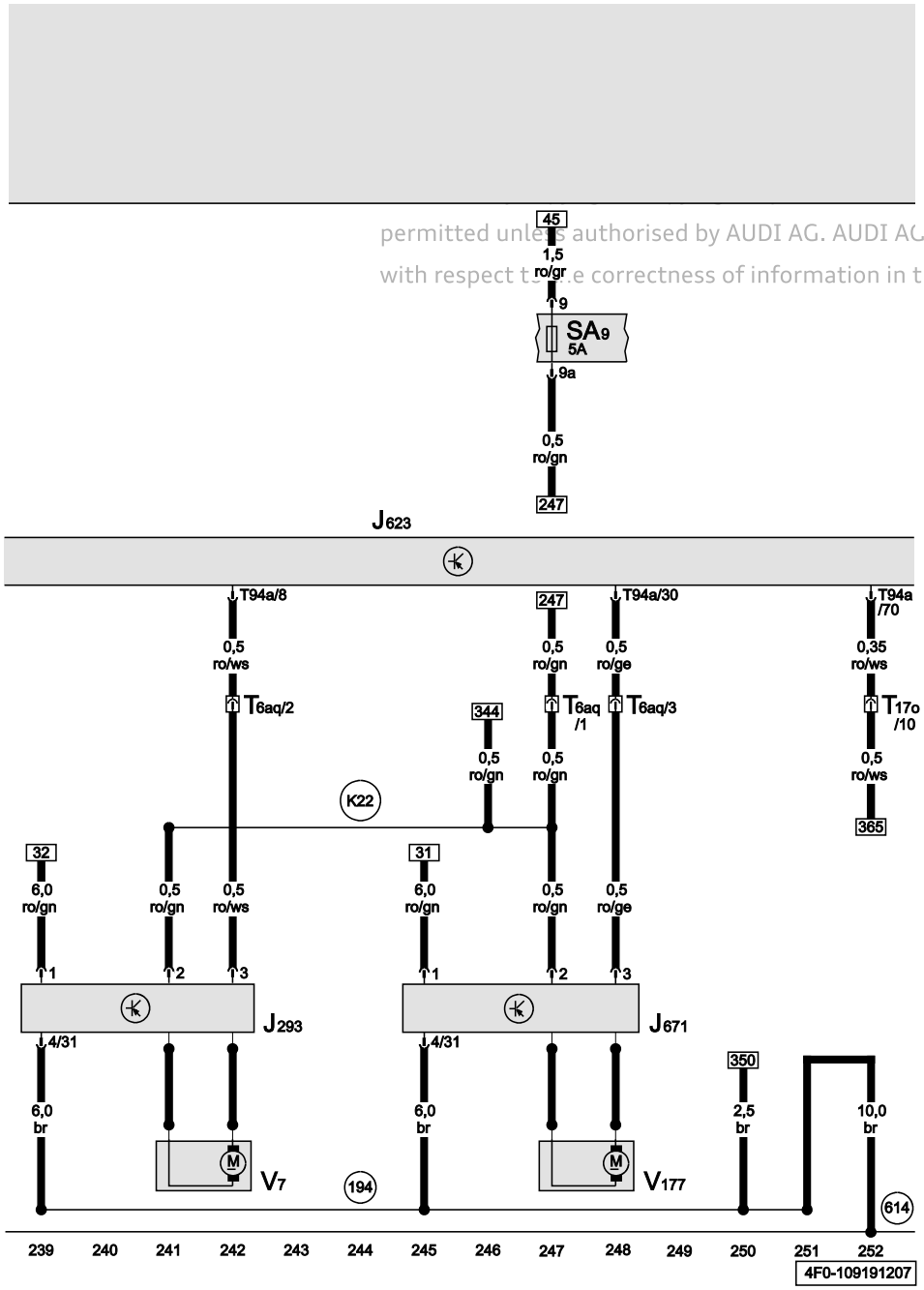
F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J623	Engine control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness

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Engine control unit, radiator fan control unit, radiator fan

J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
SA9	Fuse 9 on fuse holder A
T6aq	6-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
V7	radiator fan
V177	Radiator fan 2
194	Earth connection 2, in coolant fan wiring harness
614	Earth point 2, on right in engine compartment
K22	Connection 2, in radiator fan wiring harness

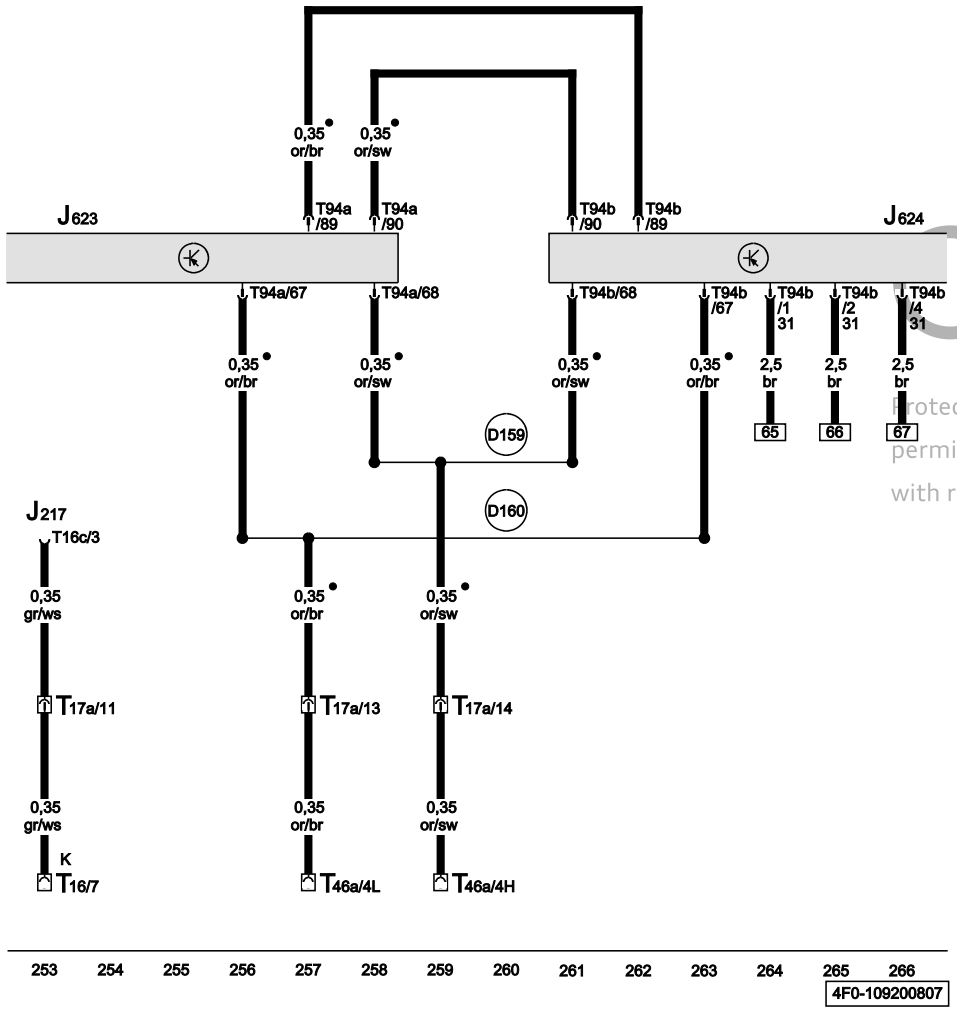
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Engine control unit, engine control unit 2, CAN bus wiring

J217	Automatic gearbox control unit
J623	Engine control unit
J624	Engine control unit 2
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN disconnector left
T94a	94-pin connector, black, connector B, on engine control unit
T94b	94-pin connector, black, connector B, on engine control unit 2
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
•	CAN bus (data wire)



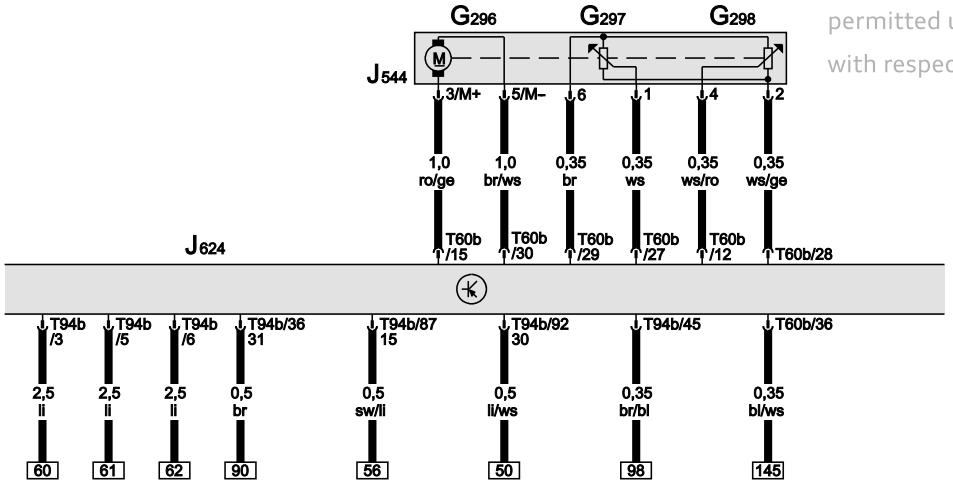
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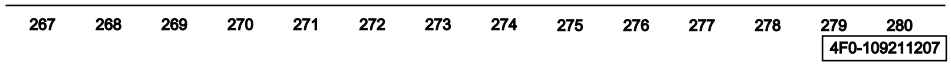
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Engine control unit 2, throttle valve module 2

G296	Throttle valve drive 2
G297	Angle sender 1 for throttle valve drive 2
G298	Angle sender 2 for throttle valve drive 2
J544	Throttle valve module 2
J624	Engine control unit 2
T60b	60-pin connector, black, connector A, on engine control unit 2
T94b	94-pin connector, black, connector B, on engine control unit 2

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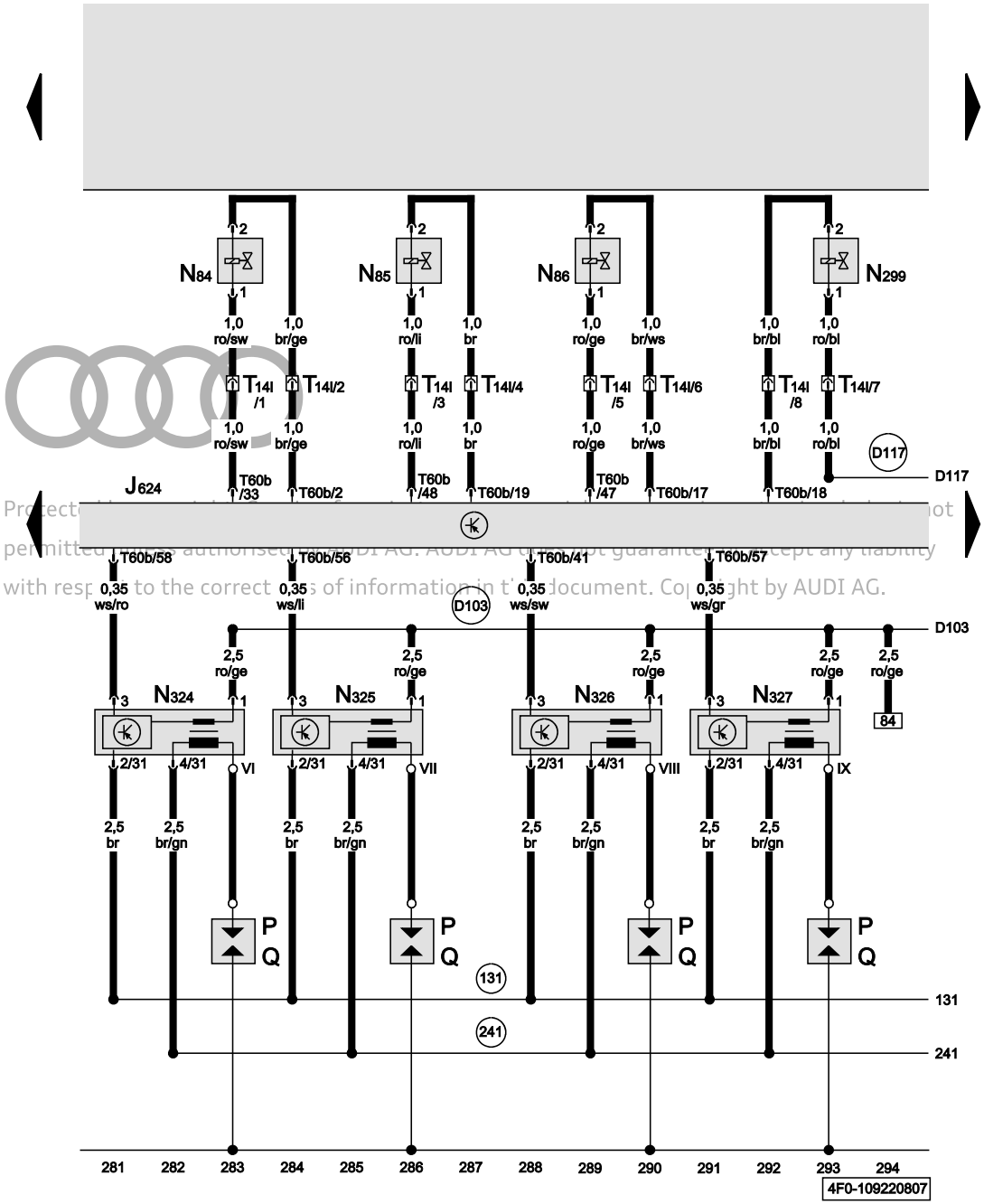




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or	=	orange
rs	=	pink

Engine control unit 2, injectors cylinder 6 up to 9, ignition coils 6 up to 9 with output stage

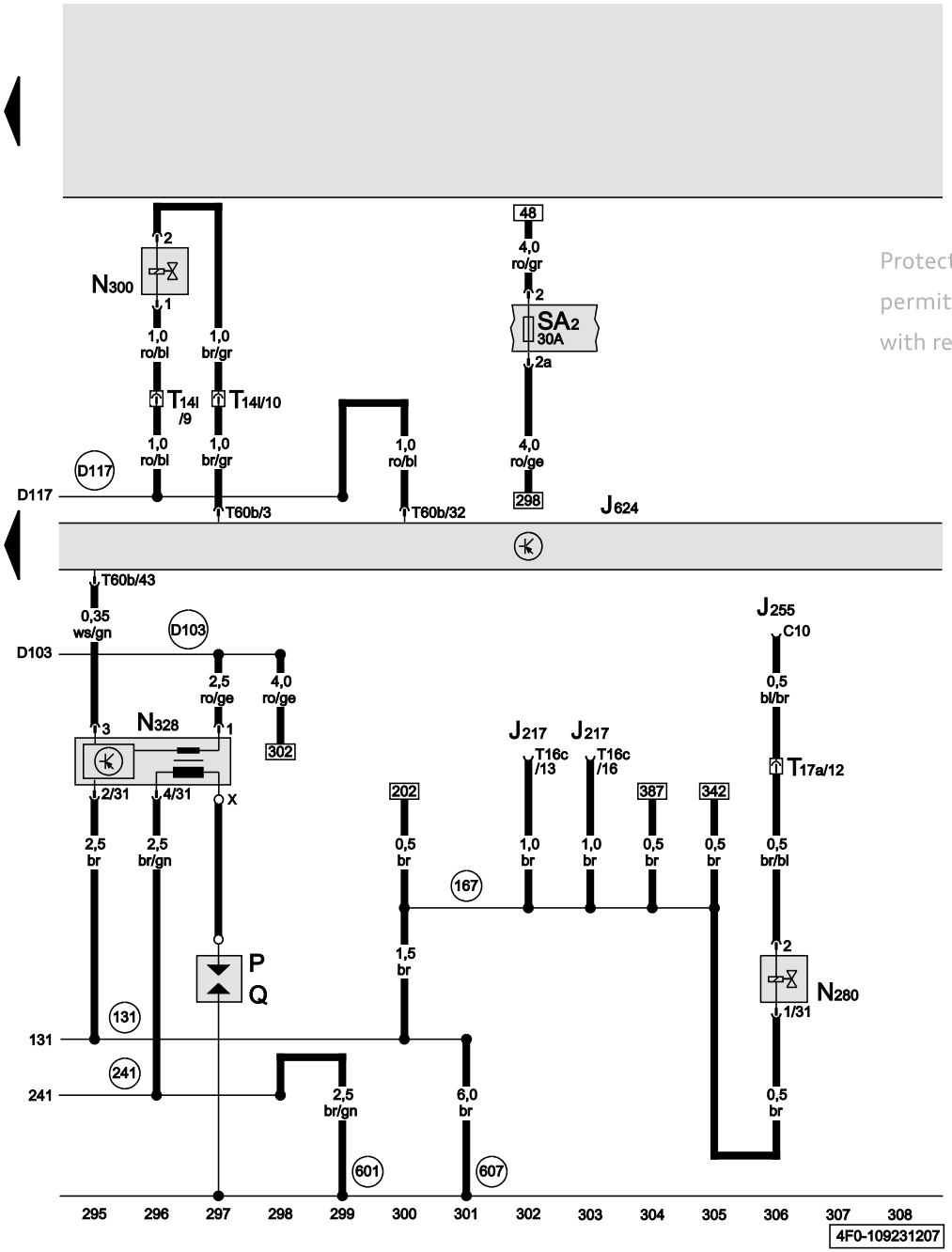
J624	Engine control unit 2
N84	Injector, cylinder 6
N85	Injector, cylinder 7
N86	Injector, cylinder 8
N299	Injector, cylinder 9
N324	Ignition coil 6 with output stage
N325	Ignition coil 7 with output stage
N326	Ignition coil 8 with output stage
N327	Ignition coil 9 with output stage
P	Spark plug connector
Q	Spark plugs
T14l	14-pin connector, black, in engine compartment, bank 2
T60b	60-pin connector, black, connector A, on engine control unit 2
131	Earth connection 2, in engine compartment wiring harness
241	Earth connection 2 engine earth, in engine wiring harness
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness



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

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Engine control unit 2, injector, cylinder 10, ignition coil 10 with output stage, air conditioner compressor regulating valve



J217	Automatic gearbox control unit
J255	Climatronic control unit
J624	Engine control unit 2
N280	Air conditioning system compressor regulating valve
N300	Injector, cylinder 10
N328	Ignition coil 10 with output stage
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 in fuse holder A
T14l	14-pin connector, black, in engine compartment, bank 2
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T60b	60-pin connector, black, connector A, on engine control unit 2
131	Earth connection 2, in engine compartment wiring harness
167	Earth connection 4, in engine compartment wiring harness
241	Earth connection 2 engine earth, in engine wiring harness
601	Earth point, on left of cylinder head
607	Earth point, on left in plenum chamber
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness

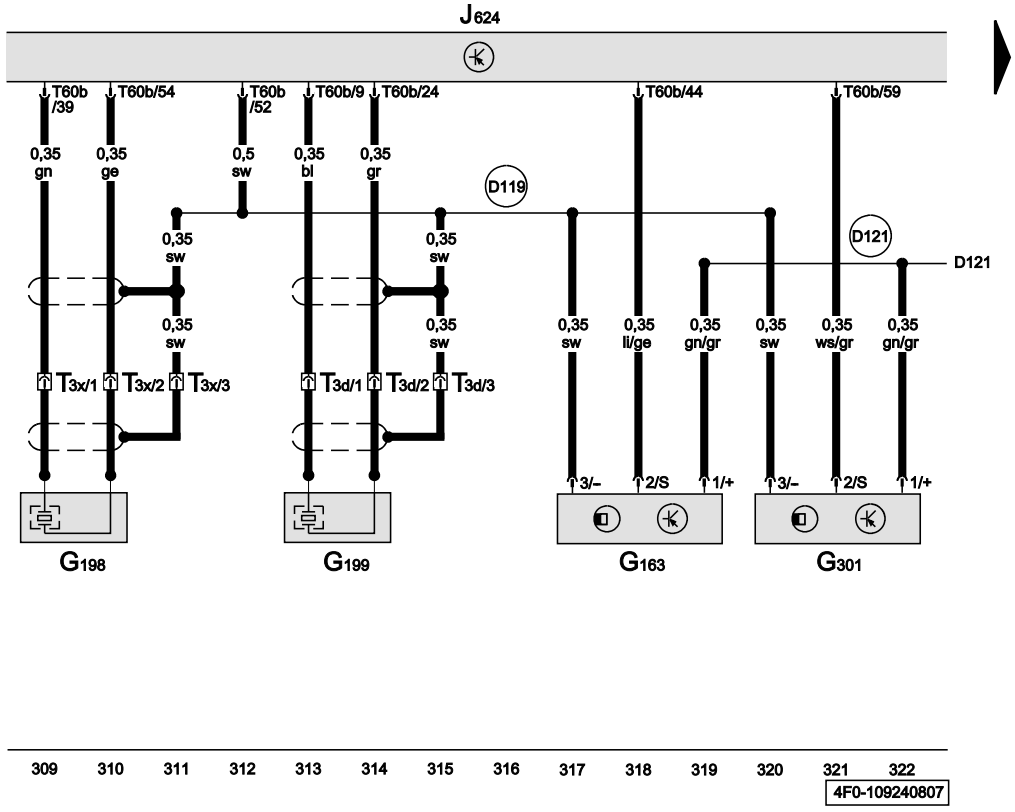
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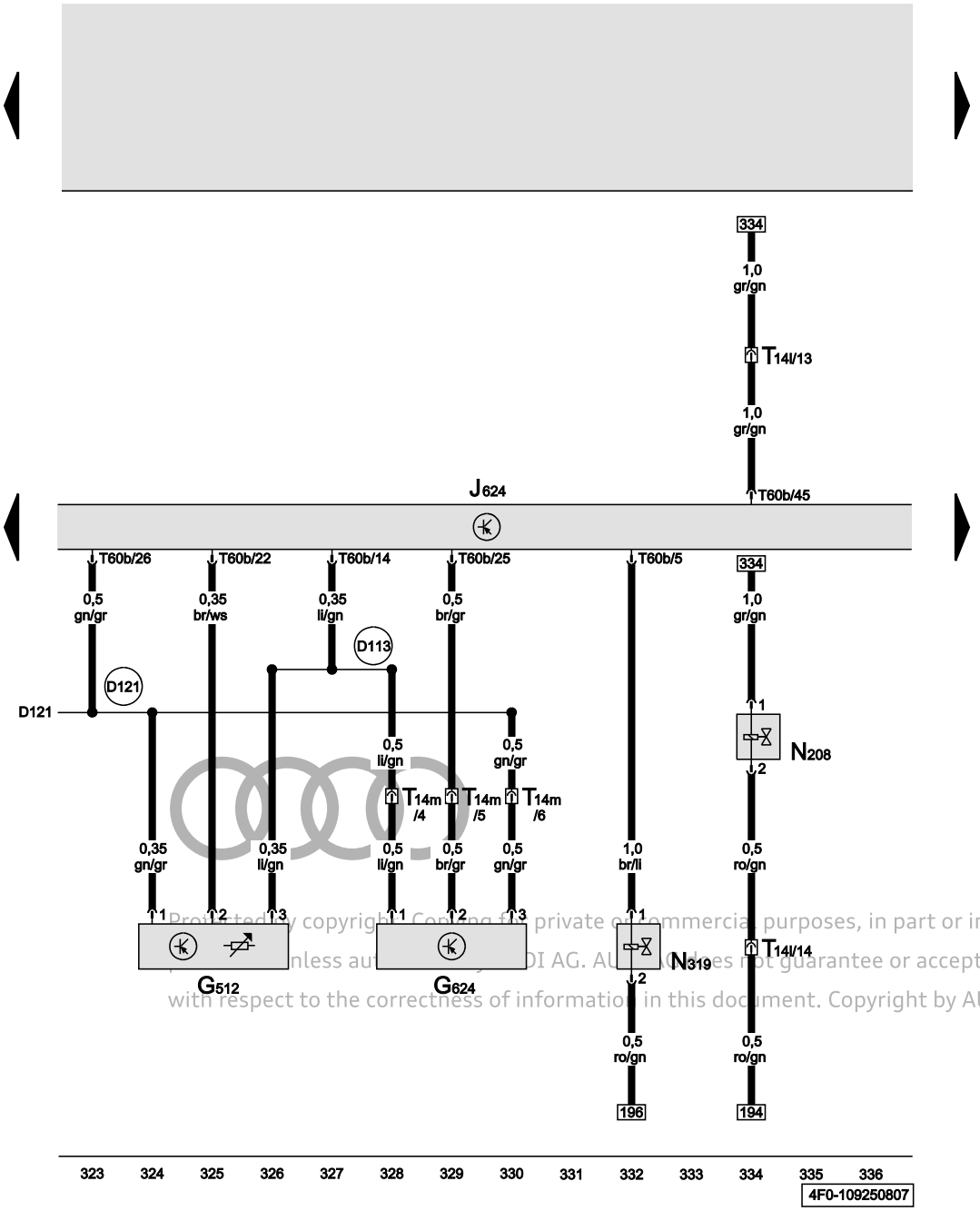
Engine control unit 2, Hall sender, knock sensors

G163	Hall sender 2
G198	Knock sensor 3
G199	Knock sensor 4
G301	Hall sender 4
J624	Engine control unit 2
T3d	3-pin connector, blue, on knock sensor 4
T3x	3-pin connector, white, on knock sensor 3
T60b	60-pin connector, black, connector A, on engine control unit 2
D119	Connection 17, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness

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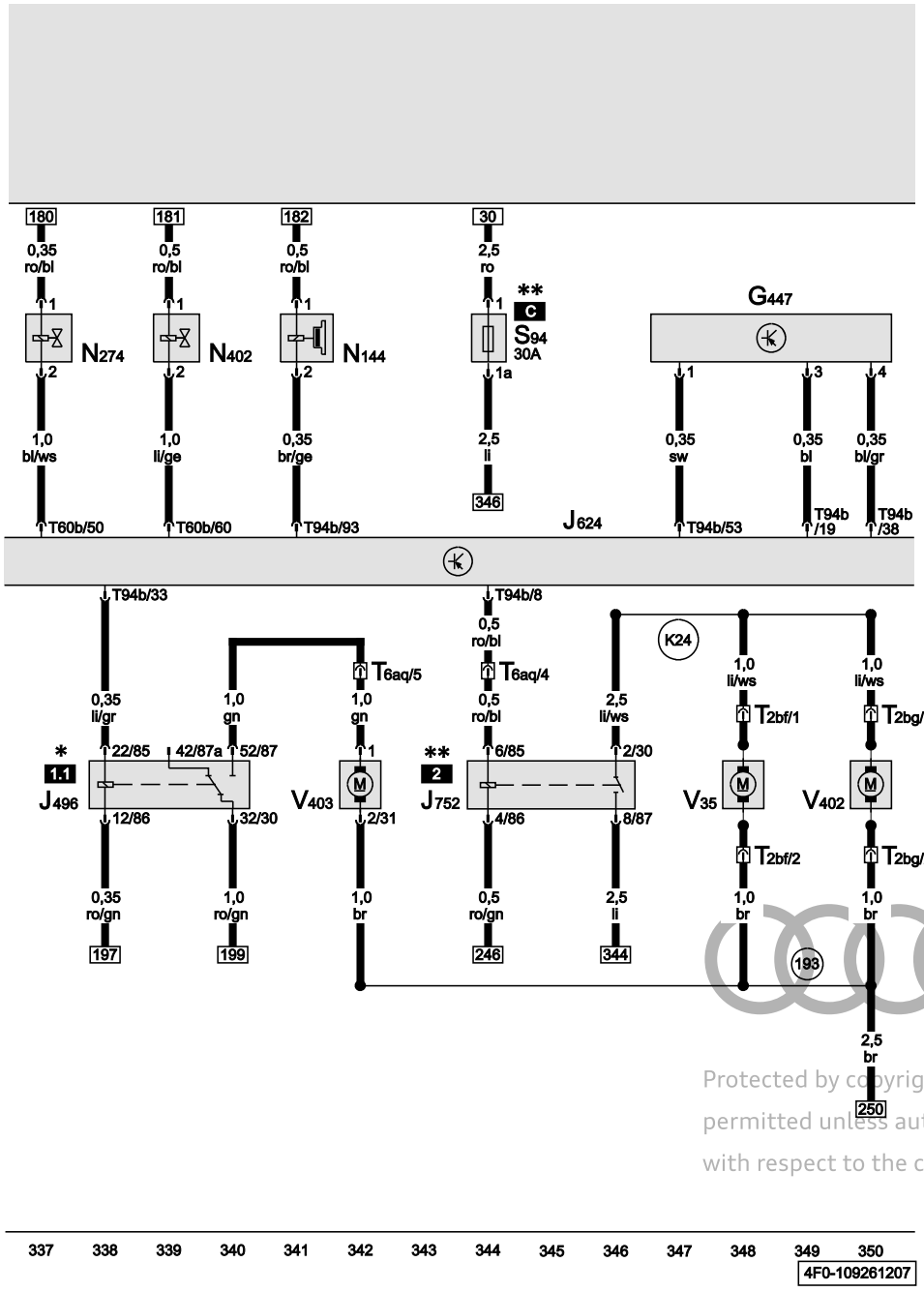


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Engine control unit 2, intake manifold flap 2 potentiometer, exhaust camshaft control valve 2, exhaust camshaft control valve 2, fuel pressure sender 2

G512	Intake manifold flap 2 potentiometer
G624	Fuel pressure sender 2
J624	Engine control unit 2
N208	Camshaft control valve 2
N319	Exhaust camshaft control valve 2
T14l	14-pin connector, black, in engine compartment, bank 2
T14m	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
D113	Connection 11, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness

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Engine control unit 2, additional coolant pump relay, radiator fan 3 relay, charge air pressure sender 2, left electrohydraulic engine mounting solenoid valve, charge pressure control solenoid valve 2, fuel metering valve 2

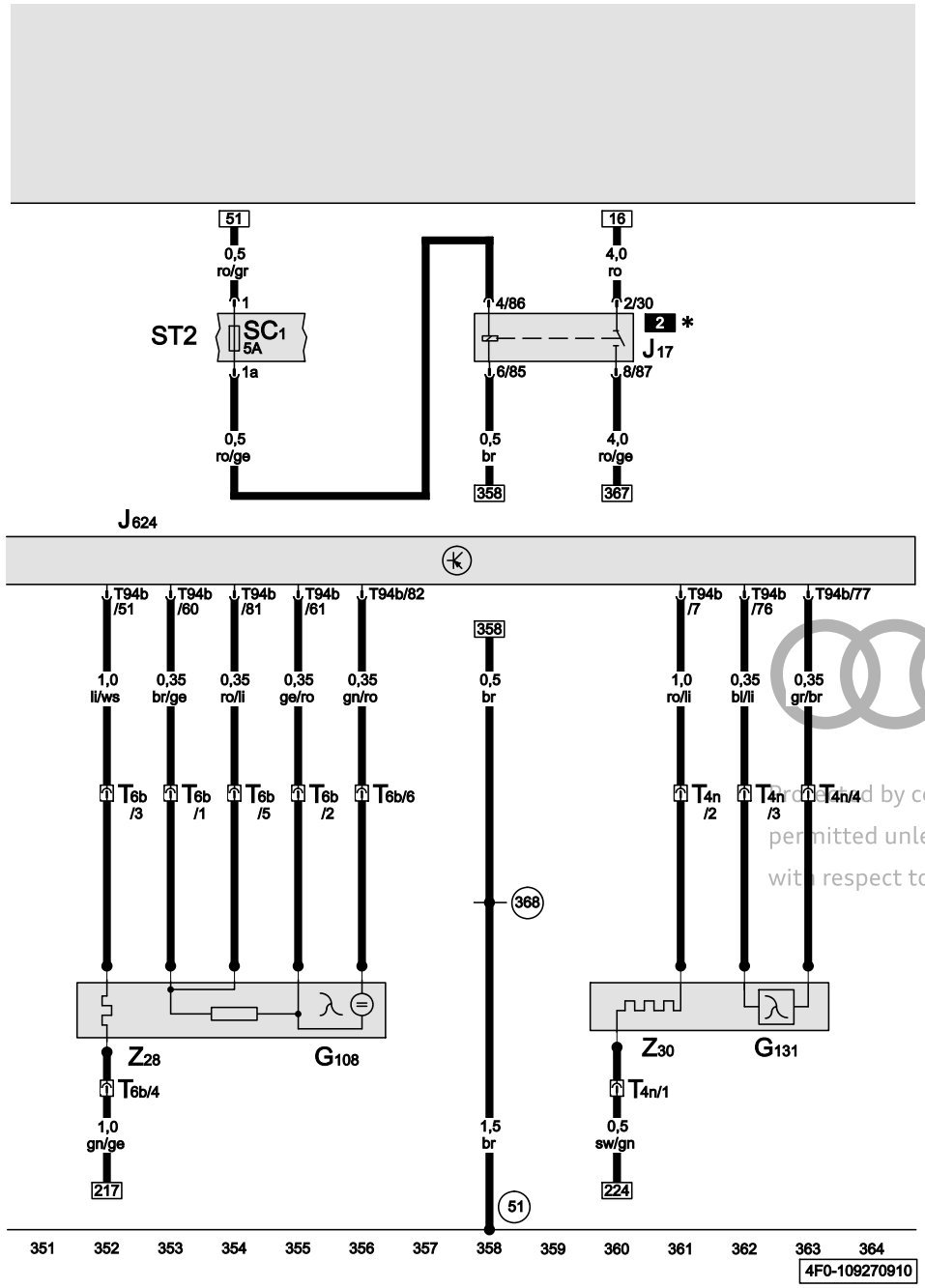
G447	Charge pressure sender 2
J496	Additional coolant pump relay
J624	Engine control unit 2
J752	Radiator fan 3 relay
N144	Left electrohydraulic engine mounting solenoid valve
N274	Charge pressure control solenoid valve 2
N402	Fuel metering valve 2
S94	Radiator fan fuse for 3rd speed
T2bf	2-pin connector, grey, in right engine compartment
T2bg	2-pin connector, grey, in left engine compartment
T6aq	6-pin connector, black, electronics box, right in plenum chamber, radiator fan
T60b	60-pin connector, black, connector A, on engine control unit 2
T94b	94-pin connector, black, connector B, on engine control unit 2
V35	Right radiator fan
V402	Left radiator fan
V403	Circulation pump 2
193	Earth connection 1, in coolant fan wiring harness
K24	Connection 3, in radiator fan wiring harness
*	Relay carrier electronics box left in plenum chamber
**	Relay carrier electronics box on right in plenum chamber

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Engine control unit 2, lambda probe 2, lambda probe 2 after catalytic converter, fuel pump relay

G108	Lambda probe 2
G131	Lambda probe 2 after catalytic converter
J17	Fuel pump relay
J624	Engine control unit 2
SC1	Fuse 1 on fuse holder C
T4n	4-pin connector, brown, for Lambda probe 2 after catalytic converter
T6b	6-pin connector, black, for Lambda probe 2
T94b	94-pin connector, black, connector B, on engine control unit 2
Z28	Lambda probe heater 2
Z30	Lambda probe 2 heater after catalytic converter
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
*	Relay and fuse carrier right in luggage compartment, rear right

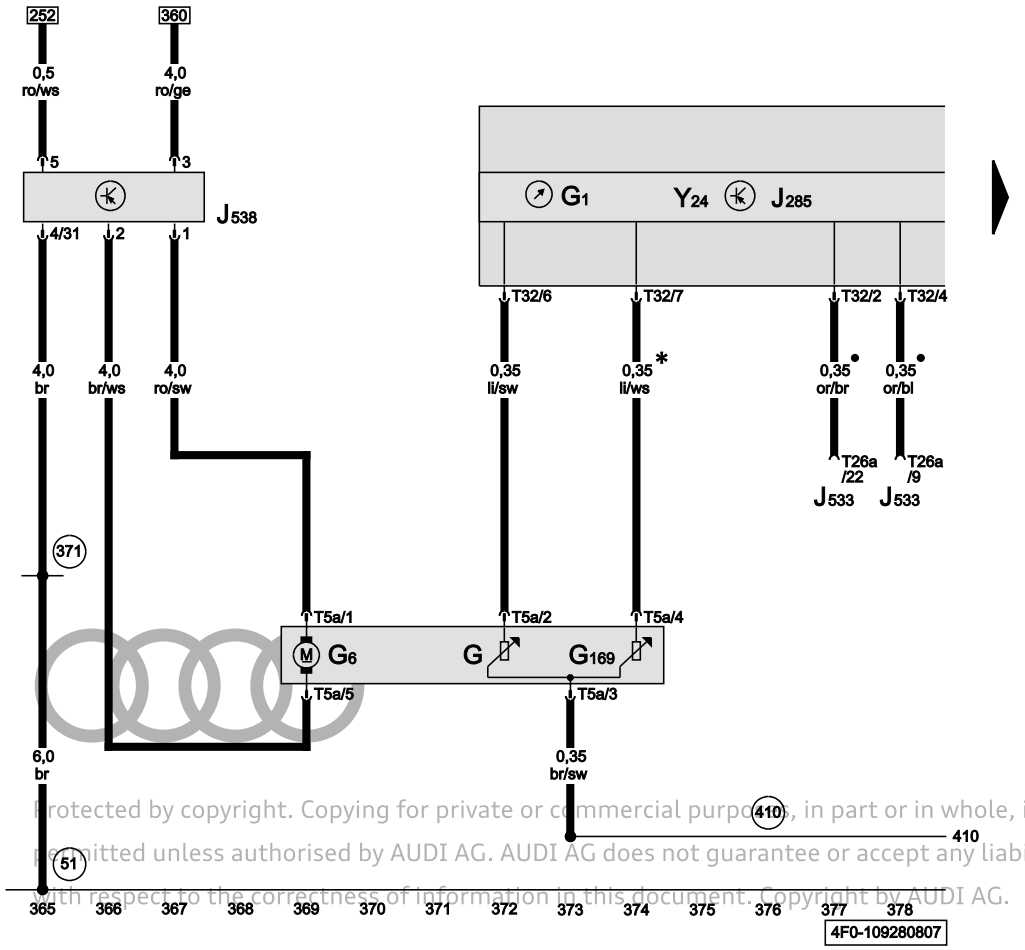


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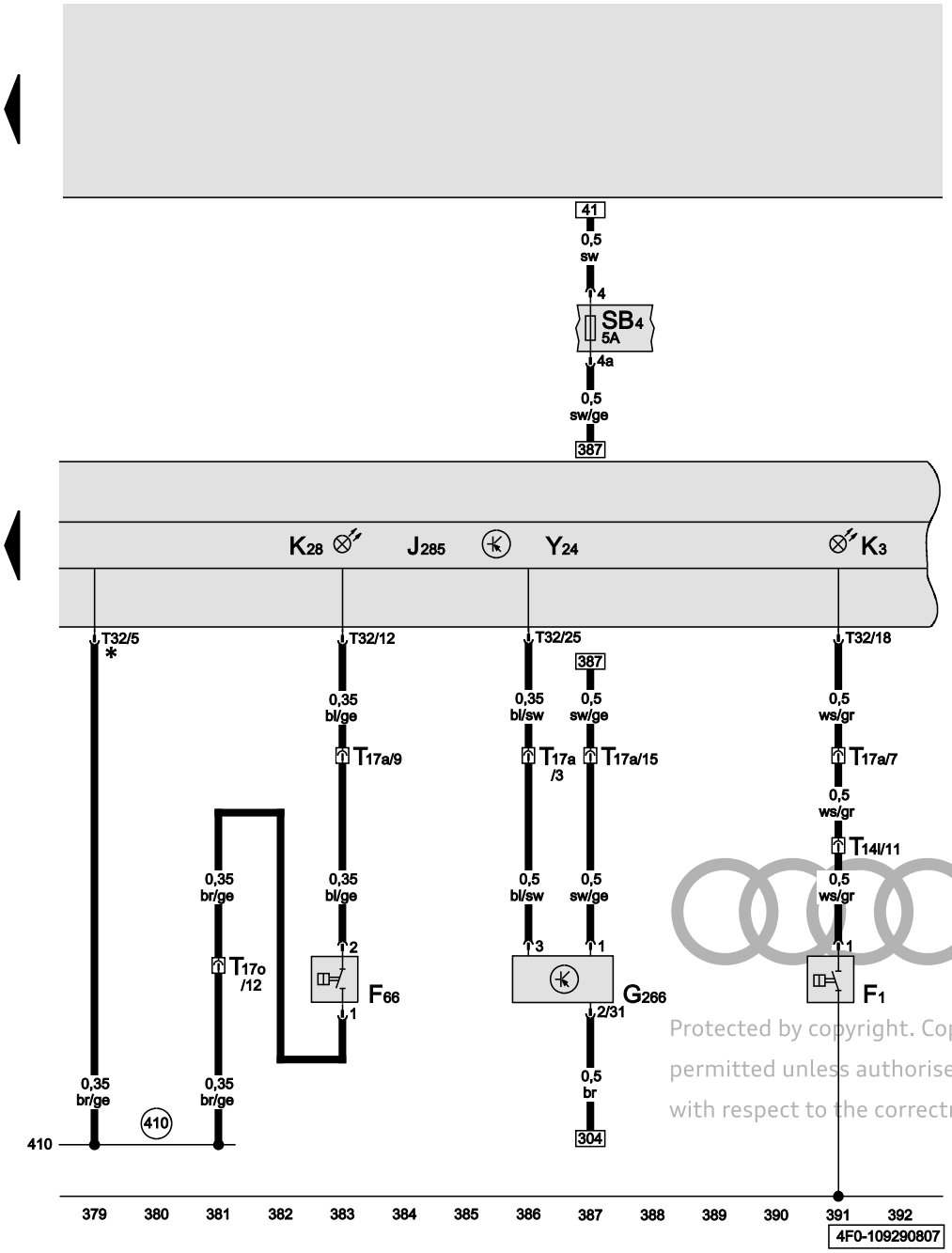
Fuel pump control unit, control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sender, fuel gauge, fuel gauge sender 2

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J538	Fuel pump control unit
T5a	5-pin connector, black, on fuel tank
T26a	26-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive



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Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil level and oil temperature sender, oil pressure switch, coolant shortage indicator switch

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T14l	14-pin connector, black, in engine compartment, bank 2
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth) in main wiring harness
*	output sender earth

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Audi RS6 - shock absorber damping system

from June 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

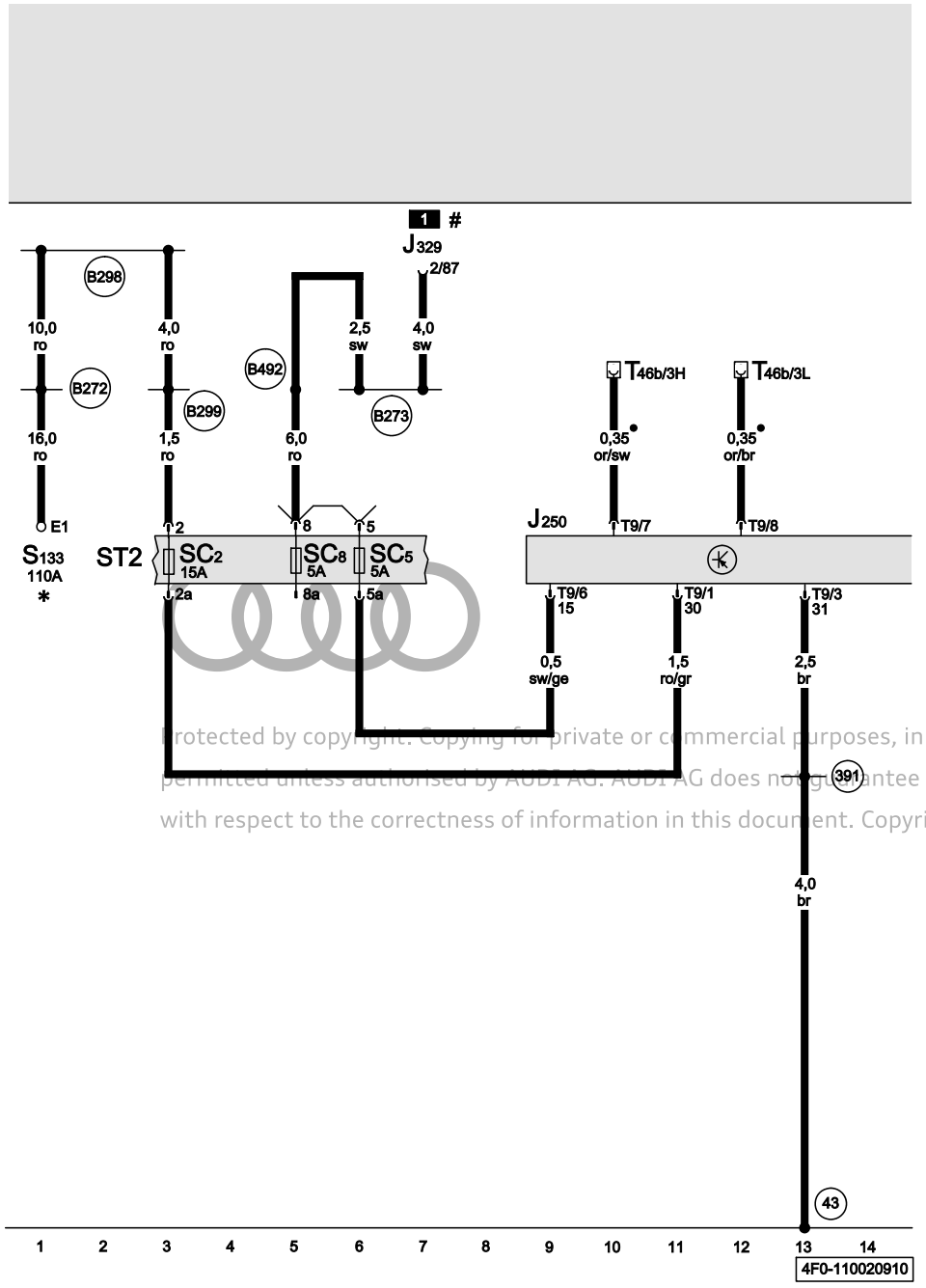
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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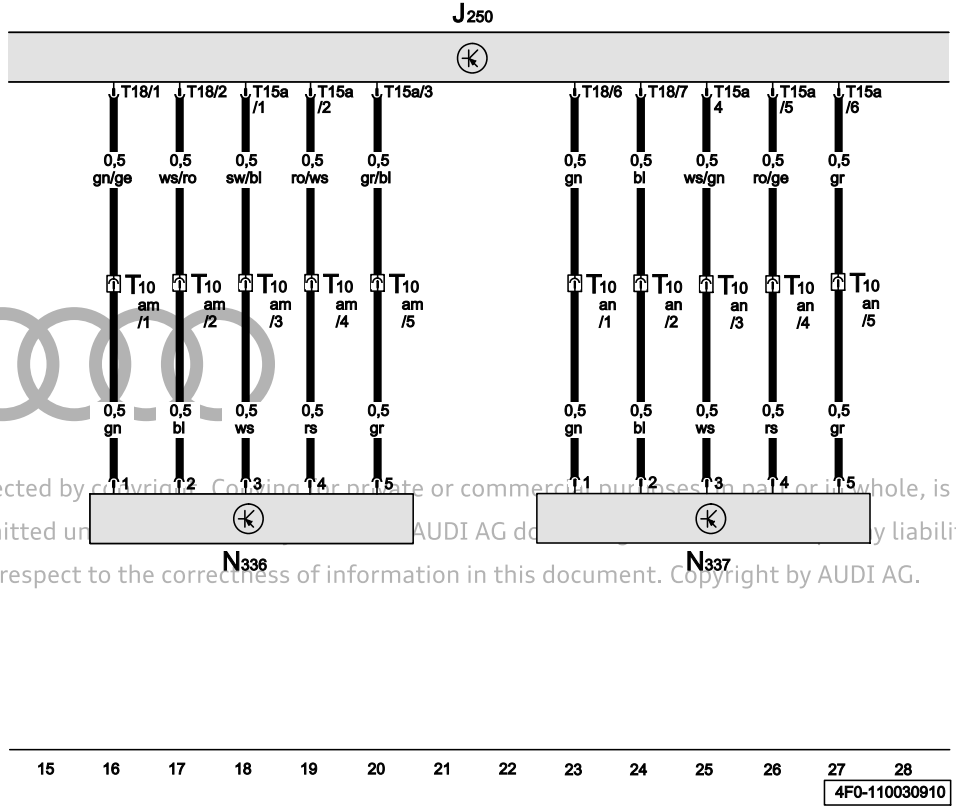
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Electronically controlled damping control unit, fuses

J250	Electronically controlled damping control unit
J329	Terminal 15 voltage supply relay
S133	Fuse 3
SC2	Fuse 2 on fuse holder C
SC5	Fuse 5 on fuse holder C
SC8	Fuse 8 on fuse holder C
T9	9-pin connector, on adaptive suspension control unit
T46b	46-pin connector, CAN disconnector right
43	Earth point, lower part of right A-pillar
391	Earth connection 26, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery
#	9-point relay carrier, behind driver storage compartment

Controlled damping control unit, front left shock absorber damper adjustment valve, front right shock absorber damper adjustment valve

J250	Electronically controlled damping control unit
N336	Front left shock absorber damper adjustment valve
N337	Front right shock absorber damper adjustment valve
T10am	10-pin connector, white, coupling station on left of A-pillar
T10an	10-pin connector, green, coupling station on right of A-pillar
T15a	15-pin connector, purple, connector C, on adaptive suspension control unit
T18	18-pin connector, grey, connector B, on adaptive suspension control unit



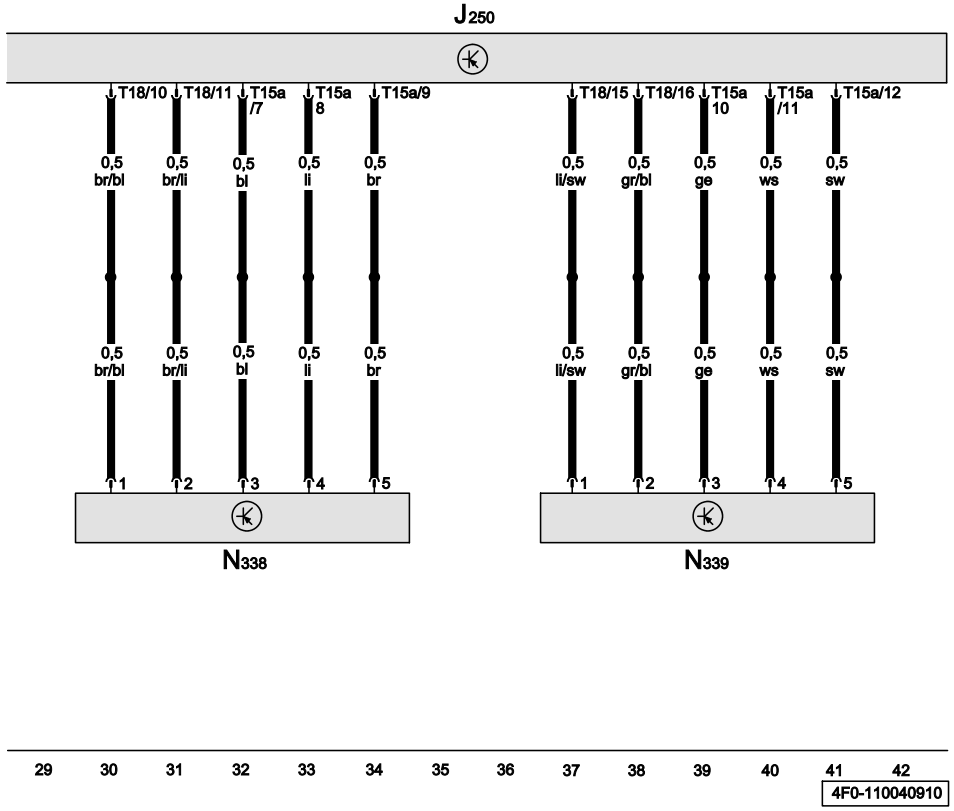
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rs	=	pink

Controlled damping control unit, rear left shock absorber damper adjustment valve, rear right shock absorber damper adjustment valve

J250	Electronically controlled damping control unit
N338	Rear left shock absorber damper adjustment valve
N339	Rear right shock absorber damping adjustment valve
T15a	15-pin connector, purple, connector C, on adaptive suspension control unit
T18	18-pin connector, grey, connector B, on adaptive suspension control unit

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Audi RS6 - headlight for gaseous discharge light (Bixenon) and automatic headlight range control

from June 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

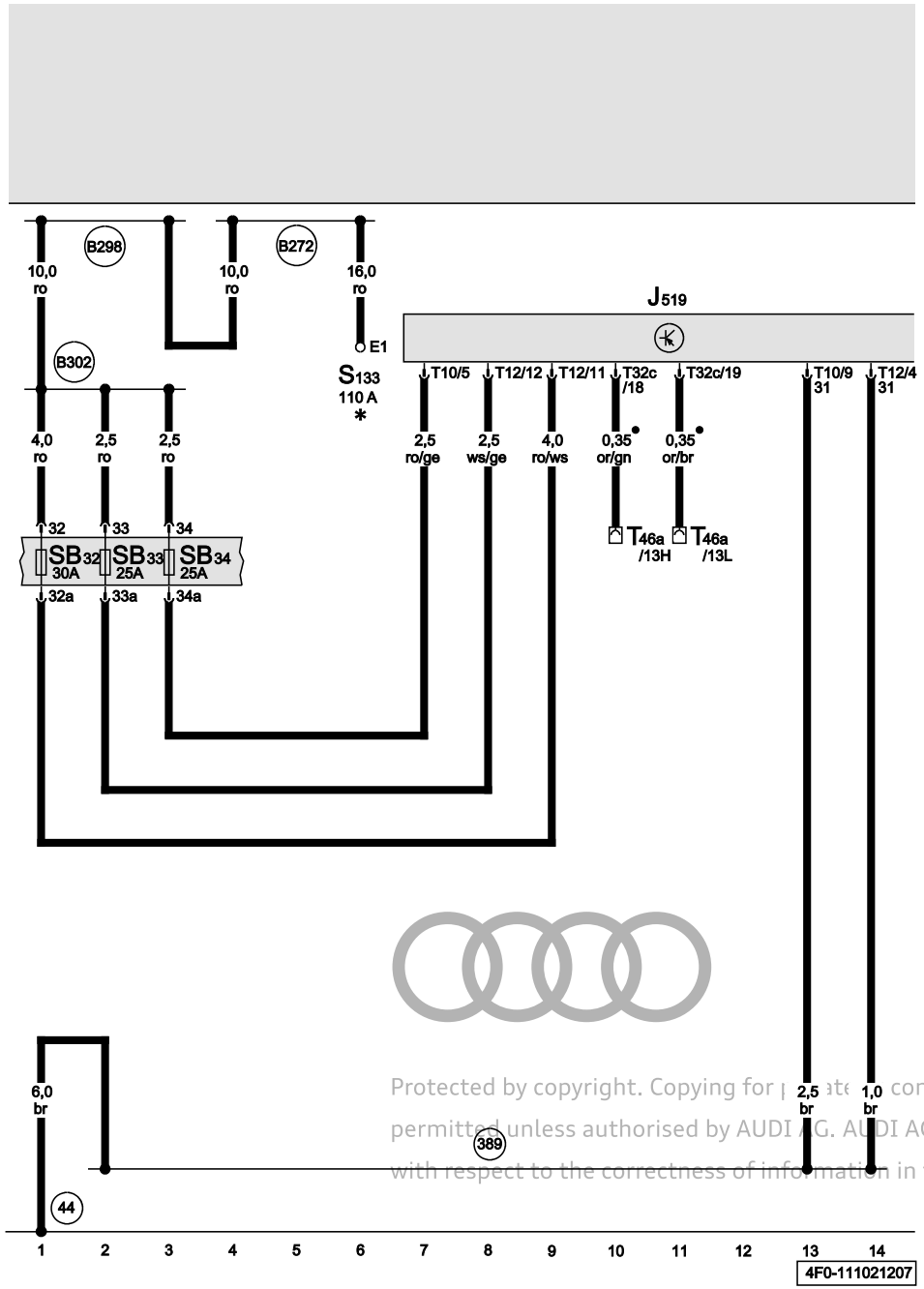
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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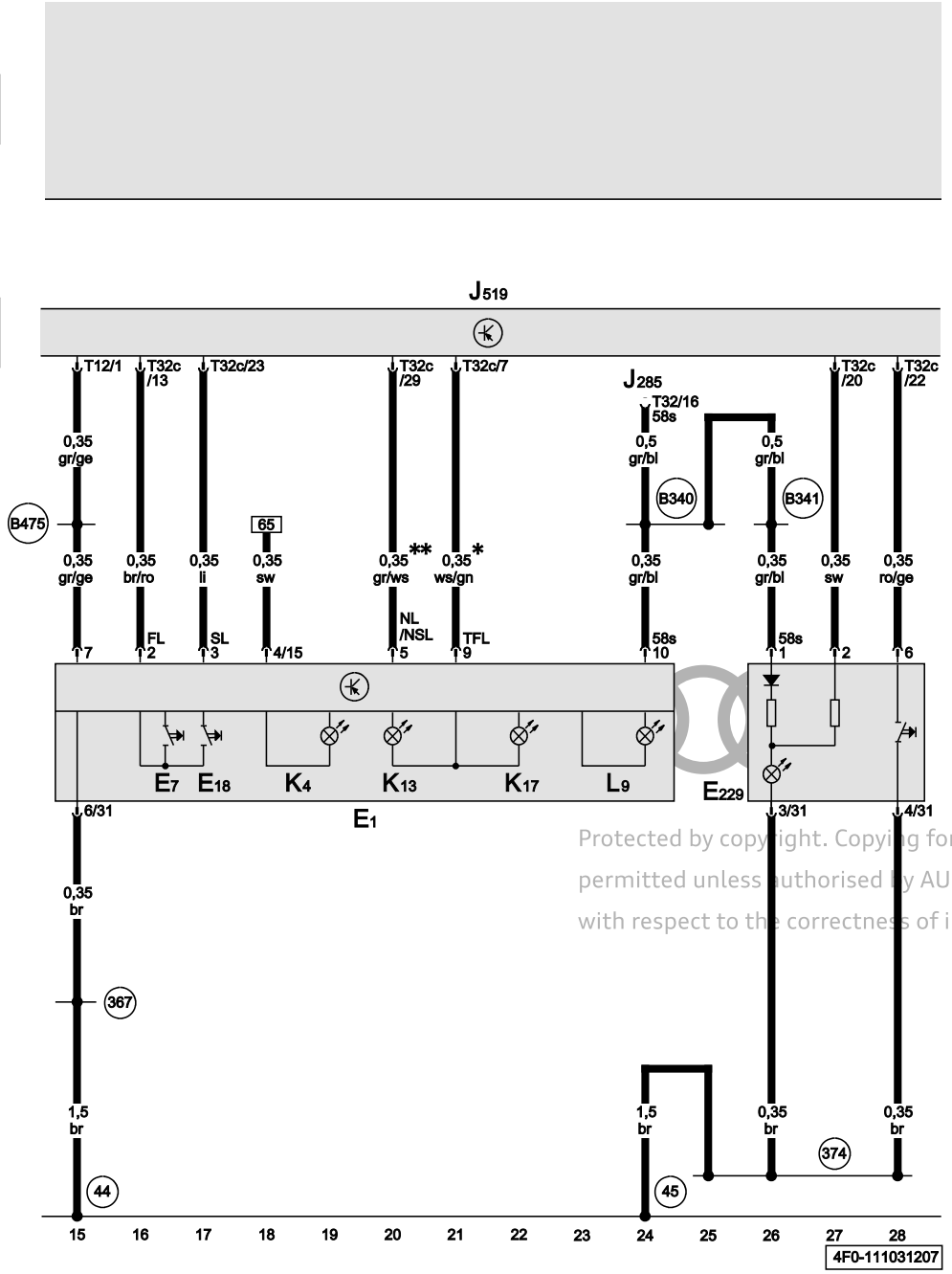
Onboard power supply control unit, fuses

J519	Onboard supply control unit
S133	Fuse 3
SB32	Fuse 32 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB34	Fuse 34 on fuse holder B
T10	10-pin connector, black, connector A, on onboard power supply control unit
T12	12-pin connector, black, connector B, on onboard power supply control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T46a	46-pin connector, CAN disconnector left
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

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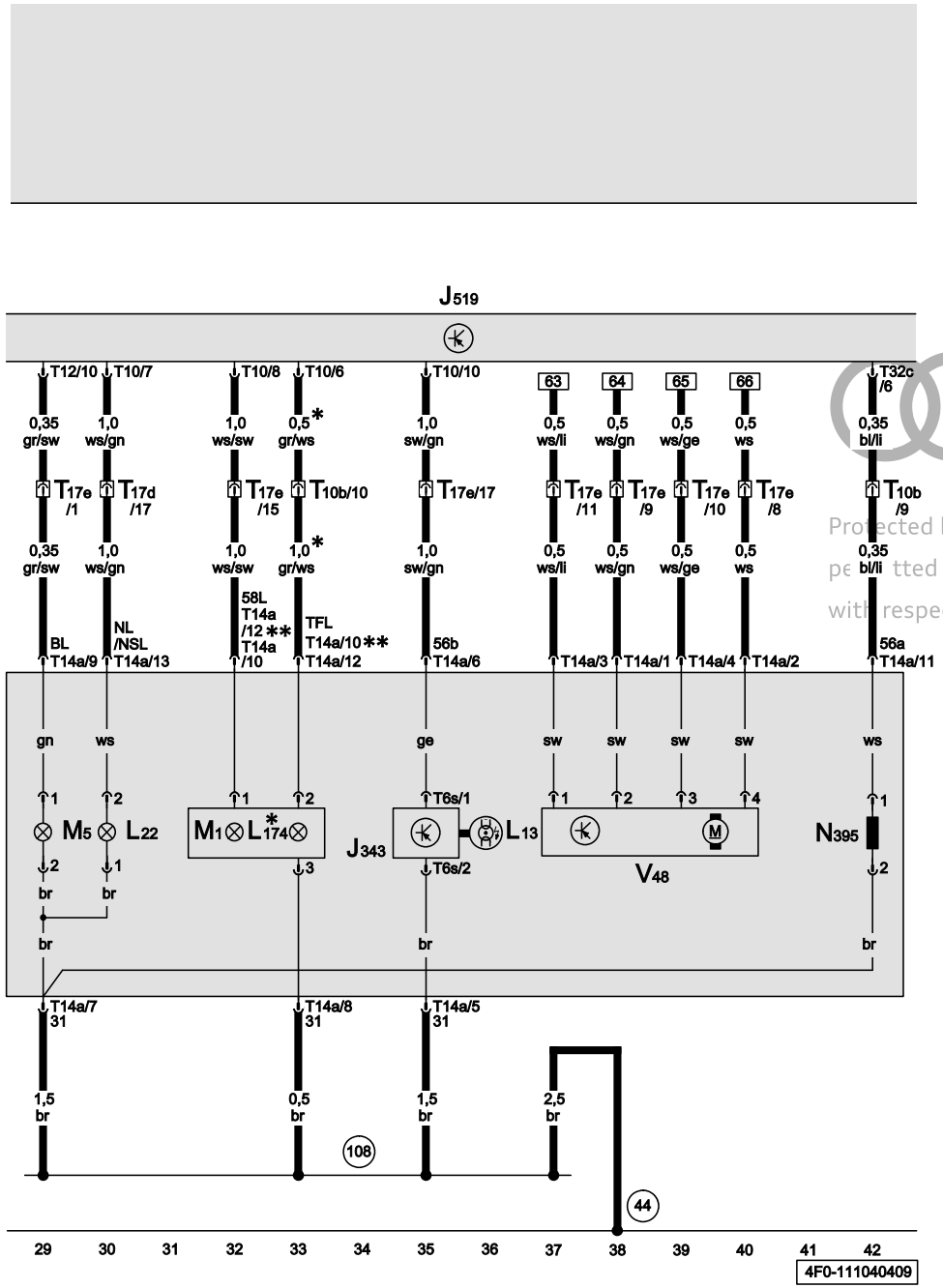
Light switch, hazard warning lights button



E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
E229	Hazard warning lights button
J285	Control unit in dash panel insert
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
T12	12-pin connector, black, connector B, on onboard power supply control unit
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, connector C, on onboard supply control unit
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
B475	Connection 11 in main wiring harness
*	models with day driving light
**	models with fog light

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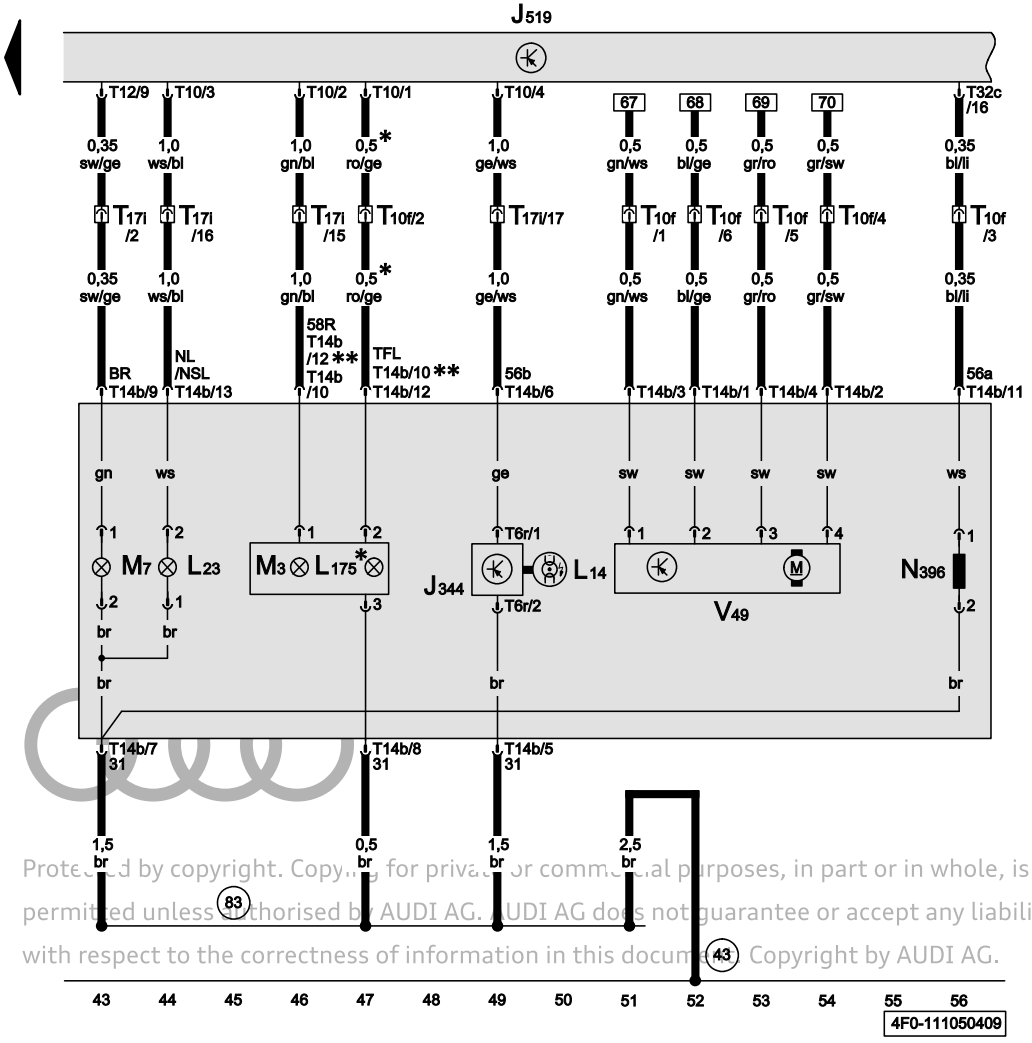


Onboard supply control unit, left headlight

J343	Left gas discharge light control unit
J519	Onboard supply control unit
L13	Left gas discharge (xenon) bulb
L22	Left fog light bulb
L174	Left day driving light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
N395	Left headlight screen adjustment solenoid
T6s	6-pin connector, black, on left gas discharge bulb control unit
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10b	10-pin connector, blue, coupling station on left of A-pillar
T12	12-pin connector, black, connector B, on onboard power supply control unit
T14a	14-pin connector, black, on left of headlight
T17d	17-pin connector, black, coupling station on left of A-pillar
T17e	17-pin connector, red, coupling station on left of A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit
V48	Left headlight range control motor
44	Earth point, lower part of left A-pillar
108	Earth connection 2, in front left wiring harness
*	models with day driving light
**	phased-in modification

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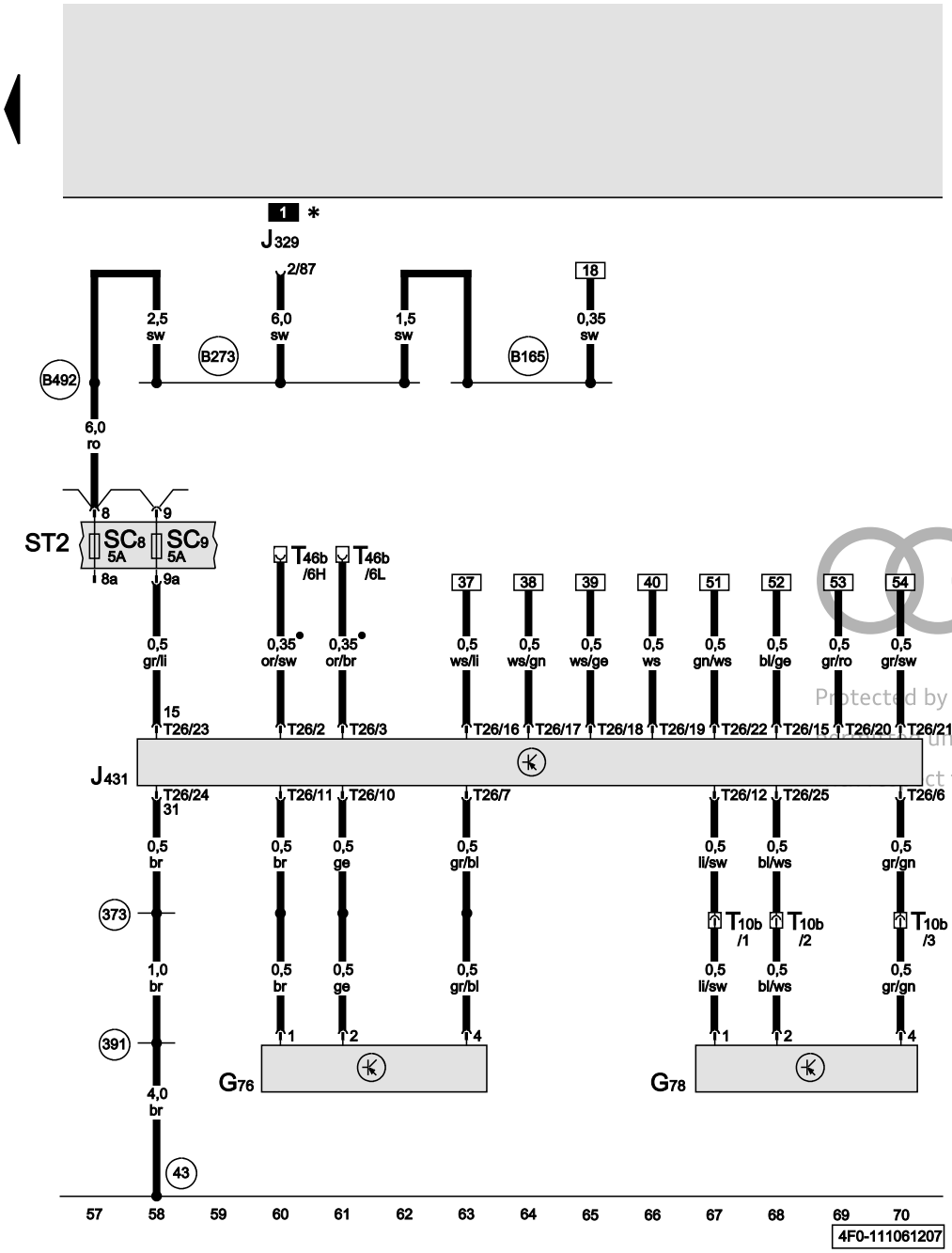


Onboard supply control unit, right headlight

J344	Right gas discharge light control unit
J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L23	Right fog light bulb
L175	Right day driving light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
N396	Right headlight screen adjustment solenoid
T6r	6-pin connector, black, on right gas discharge bulb control unit
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10f	10-pin connector, white, coupling station on right of A-pillar
T12	12-pin connector, black, connector B, on onboard power supply control unit
T14b	14-pin connector, black, on right of headlight
T17i	17-pin connector, red, coupling station on right of A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit
V49	Right headlight range control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	models with day driving light
**	phased-in modification

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Control unit for headlight range control, rear left vehicle level sender, front left vehicle level sender

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J329	Terminal 15 voltage supply relay
J431	Headlight range control, control unit
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
T10b	10-pin connector, blue, coupling station on left of A-pillar
T26	26-pin connector, black, on headlight range control, control unit
T46b	46-pin connector, CAN disconnector right
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment

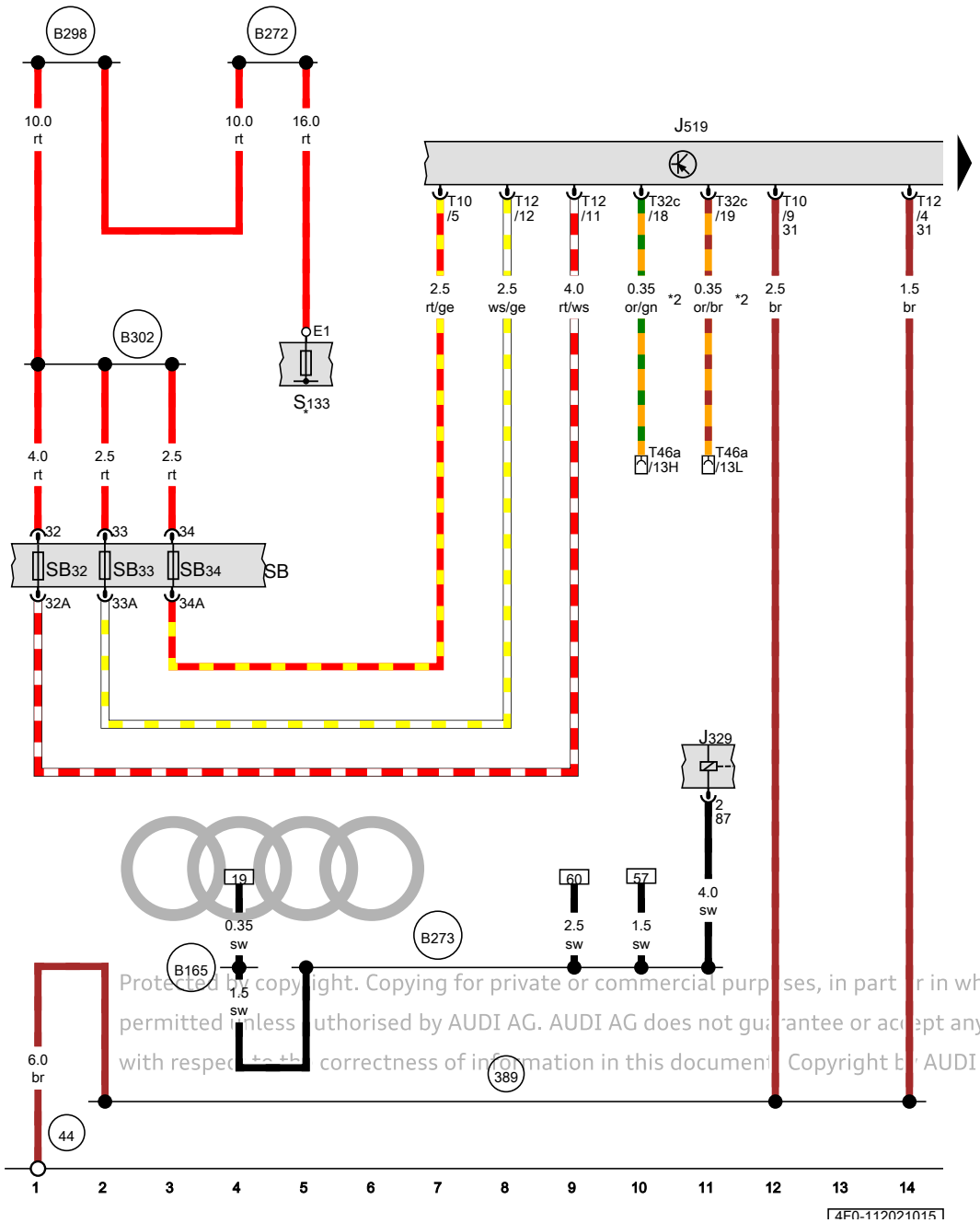
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Gas discharge headlights (bi-xenon) with automatic headlight range control and cornering light , (TT7),(T8E)

From June 2008

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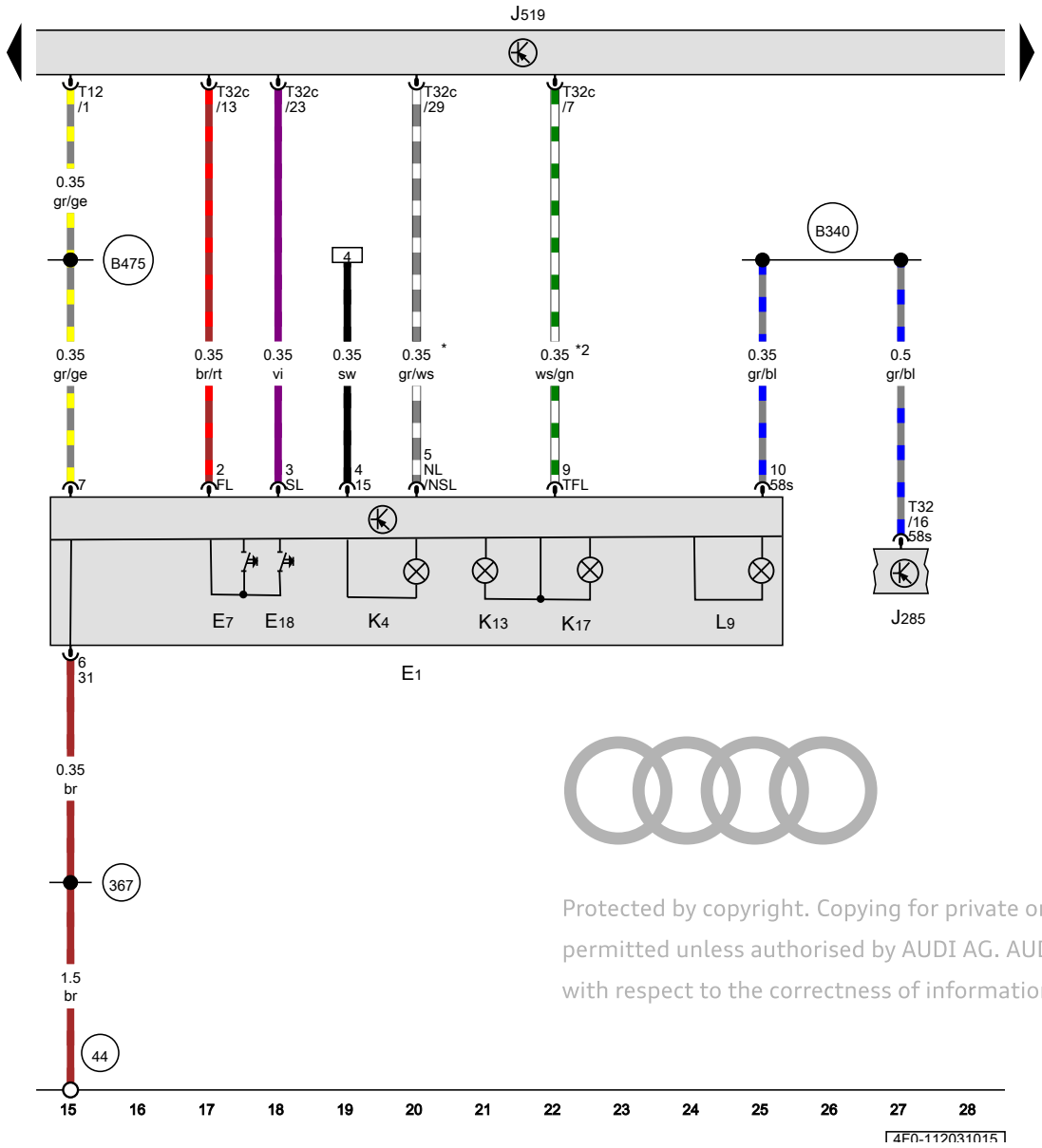


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Onboard supply control unit, Fuse holder B

J329	Terminal 15 voltage supply relay, in relay carrier, behind shelf on front passenger side
J519	Onboard supply control unit
SB32	Fuse 32 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB34	Fuse 34 on fuse holder B
S133	Fuse 3
SB	Fuse holder B
T10	10-pin connector, black, on onboard supply control unit
T12	12-pin connector, black, on onboard supply control unit
T32c	32-pin connector, white, on onboard supply control unit
T46a	46-pin connector, black, behind dash panel, left, near fuse holder
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
*	Main fuse box, on battery on rear right in luggage compartment
*2	Data bus wire (CAN bus)



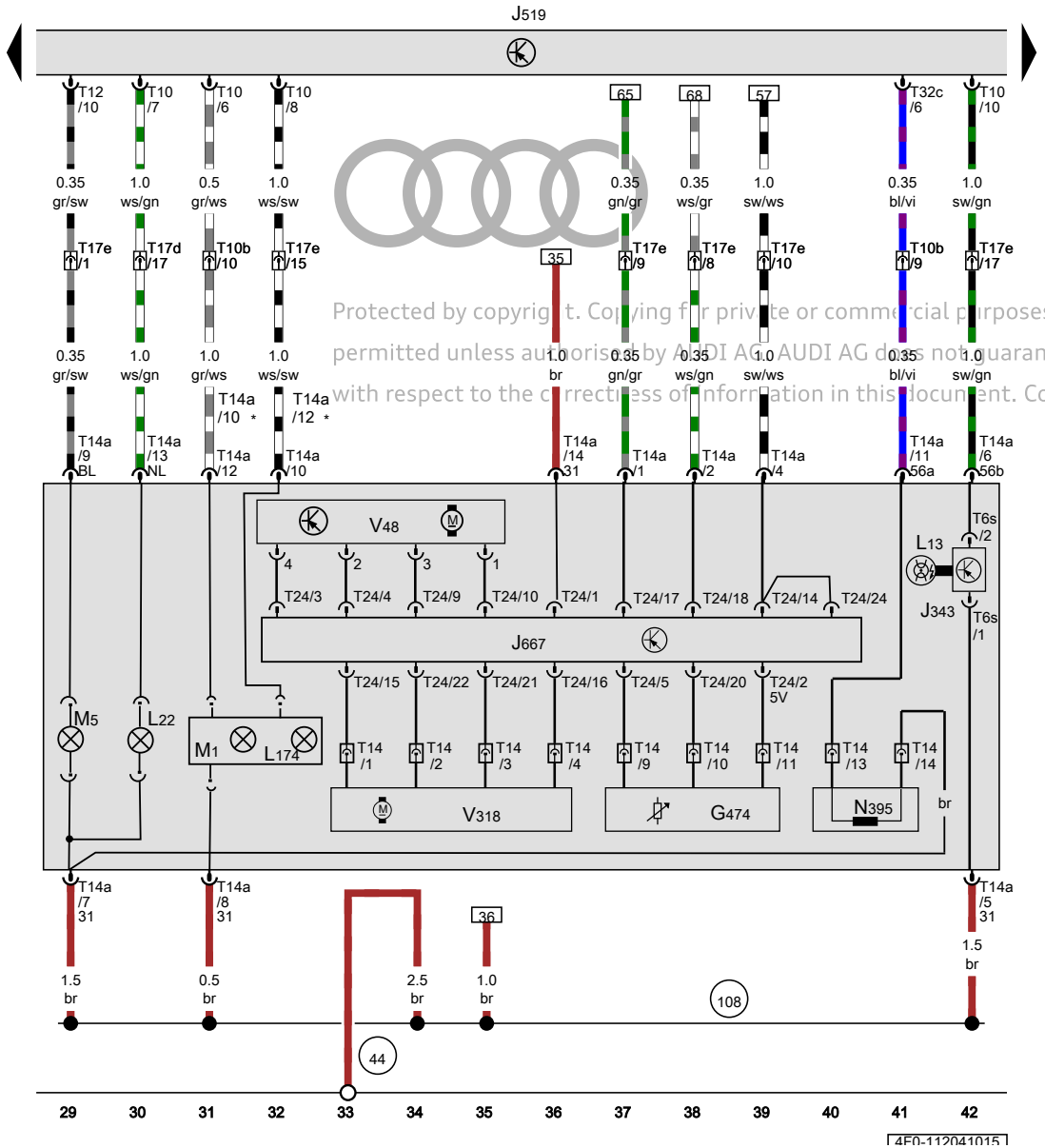
Light switch, Onboard supply control unit

E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
J285	Control unit in dash panel insert
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
T12	12-pin connector, black, on onboard supply control unit
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, on onboard supply control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B475	Connection 11, in main wiring harness
*	Only models with fog lights
*2	Only models with daytime running lights

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sw	=	black
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rt	=	red
br	=	brown
gn	=	green
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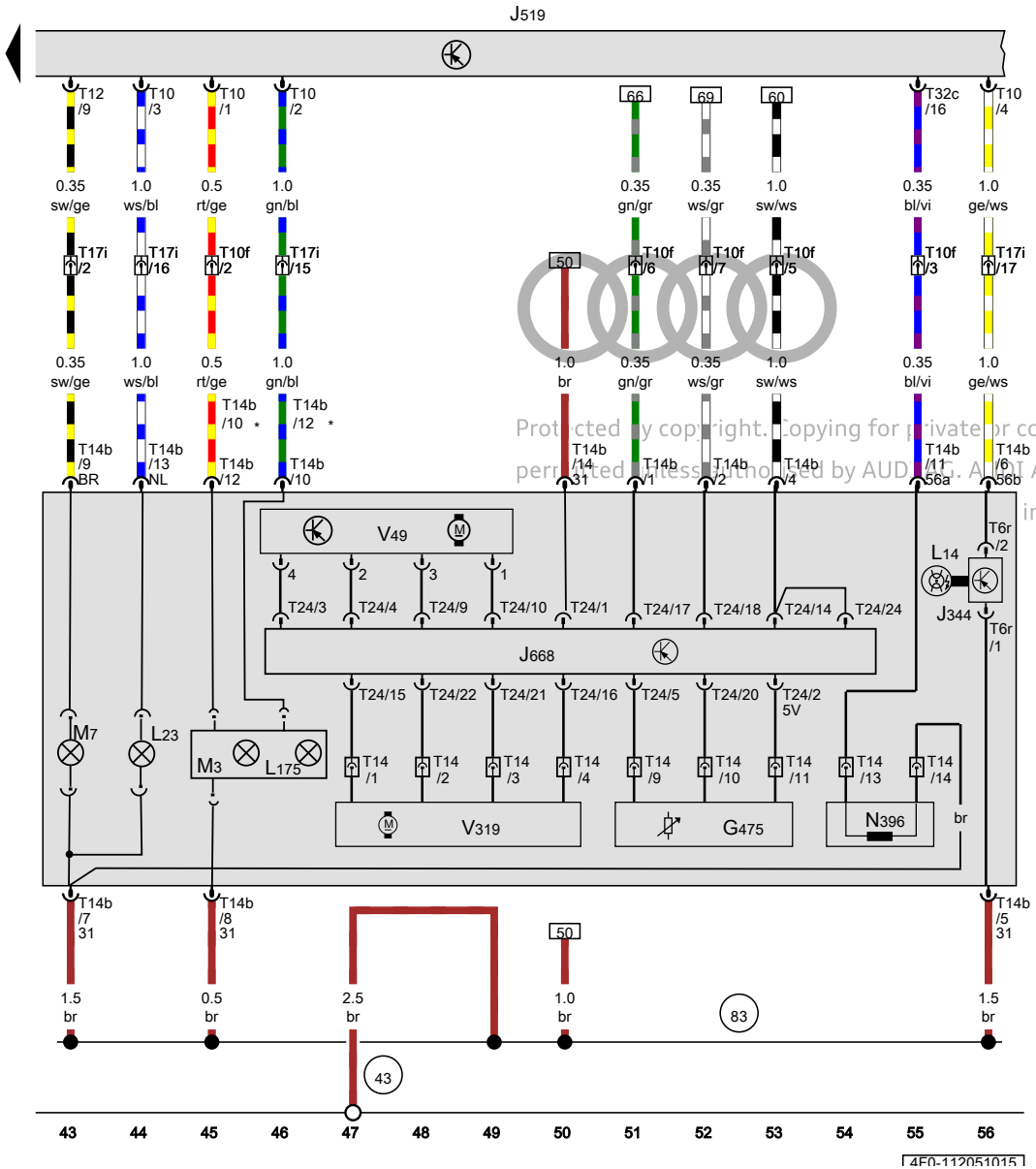
Left swivel module position sensor, Left gas discharge bulb control unit, Onboard supply control unit, Output module for left headlight, Left gas discharge (xenon) bulb, Left fog light bulb, Left daytime running light bulb, Left side light bulb, Front left turn signal bulb, Left headlight screen adjustment solenoid, Left headlight range control motor, Left dynamic cornering light control motor



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G474	Left swivel module position sensor
J343	Left gas discharge bulb control unit
J519	Onboard supply control unit
J667	Output module for left headlight
L13	Left gas discharge (xenon) bulb
L22	Left fog light bulb
L174	Left daytime running light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
N395	Left headlight screen adjustment solenoid
T10	10-pin connector, black, on onboard supply control unit
T10b	10-pin connector, blue, in left A-pillar coupling station
T12	12-pin connector, black, on onboard supply control unit
T14a	14-pin connector, black, on left headlight
T17d	17-pin connector, black, in left A-pillar coupling station
T17e	17-pin connector, red, in left A-pillar coupling station
T32c	32-pin connector, white, on onboard supply control unit
V48	Left headlight range control motor
V318	Left dynamic cornering light control motor
44	Earth point, lower part of left A-pillar
108	Earth connection 2, in front left wiring harness
*	gradual introduction

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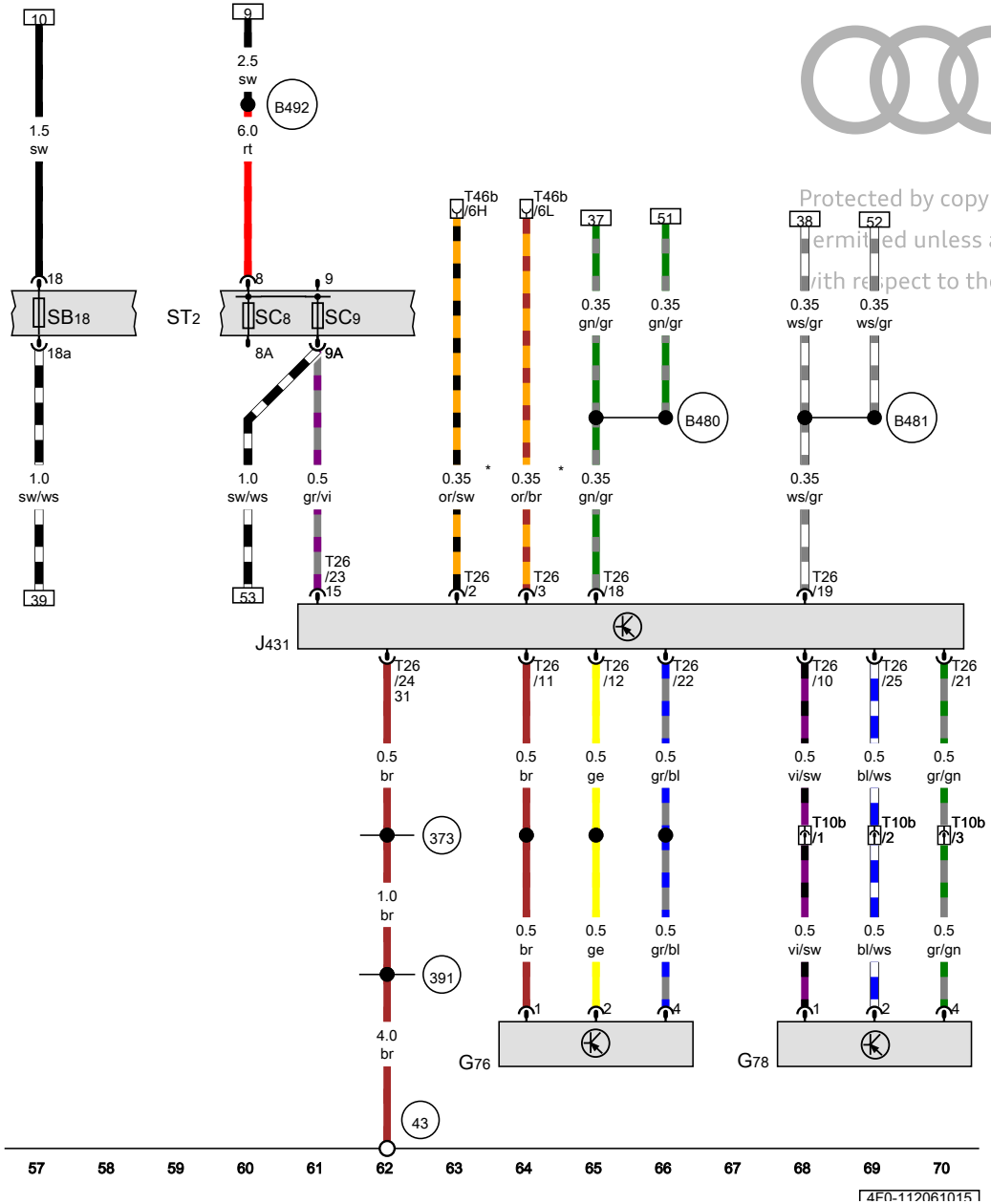


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Right swivel module position sensor, Right gas discharge bulb control unit, Onboard supply control unit, Output module for right headlight, Right gas discharge (xenon) bulb, Right fog light bulb, Right daytime running light bulb, Right side light bulb, Front right turn signal bulb, Right headlight screen adjustment solenoid, Right headlight range control motor, Right dynamic cornering light control motor

G475	Right swivel module position sensor
J344	Right gas discharge bulb control unit
J519	Onboard supply control unit
J668	Output module for right headlight
L14	Right gas discharge (xenon) bulb
L23	Right fog light bulb
L175	Right daytime running light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
N396	Right headlight screen adjustment solenoid
T10	10-pin connector, black, on onboard supply control unit
T10f	10-pin connector, white, in right A-pillar coupling station
T12	12-pin connector, black, on onboard supply control unit
T14b	14-pin connector, black, on right headlight
T17i	17-pin connector, red, in right A-pillar coupling station
T32c	32-pin connector, white, on onboard supply control unit
V49	Right headlight range control motor
V319	Right dynamic cornering light control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	gradual introduction



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Rear left vehicle level sender, Front left vehicle level sender, Headlight range control unit

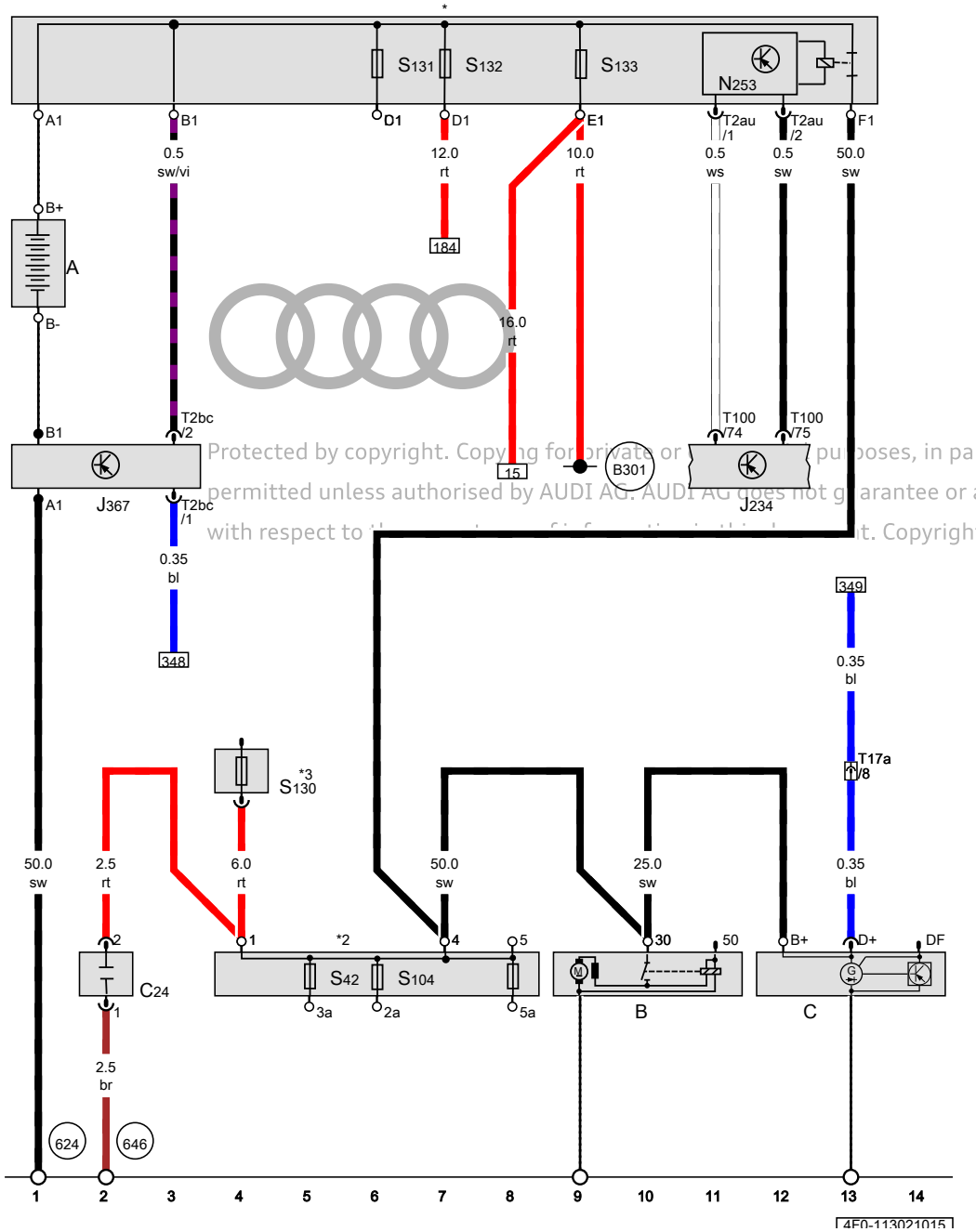
G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J431	Headlight range control unit
ST2	Fuse carrier 2
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
SB18	Fuse 18 on fuse holder B
T10b	10-pin connector, blue, in left A-pillar coupling station
T26	26-pin connector, black, on control unit for headlight range control
T46b	46-pin connector
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B480	Connection 16, in main wiring harness
B481	Connection 17, in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	Data bus wire (CAN bus)

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Basic equipment

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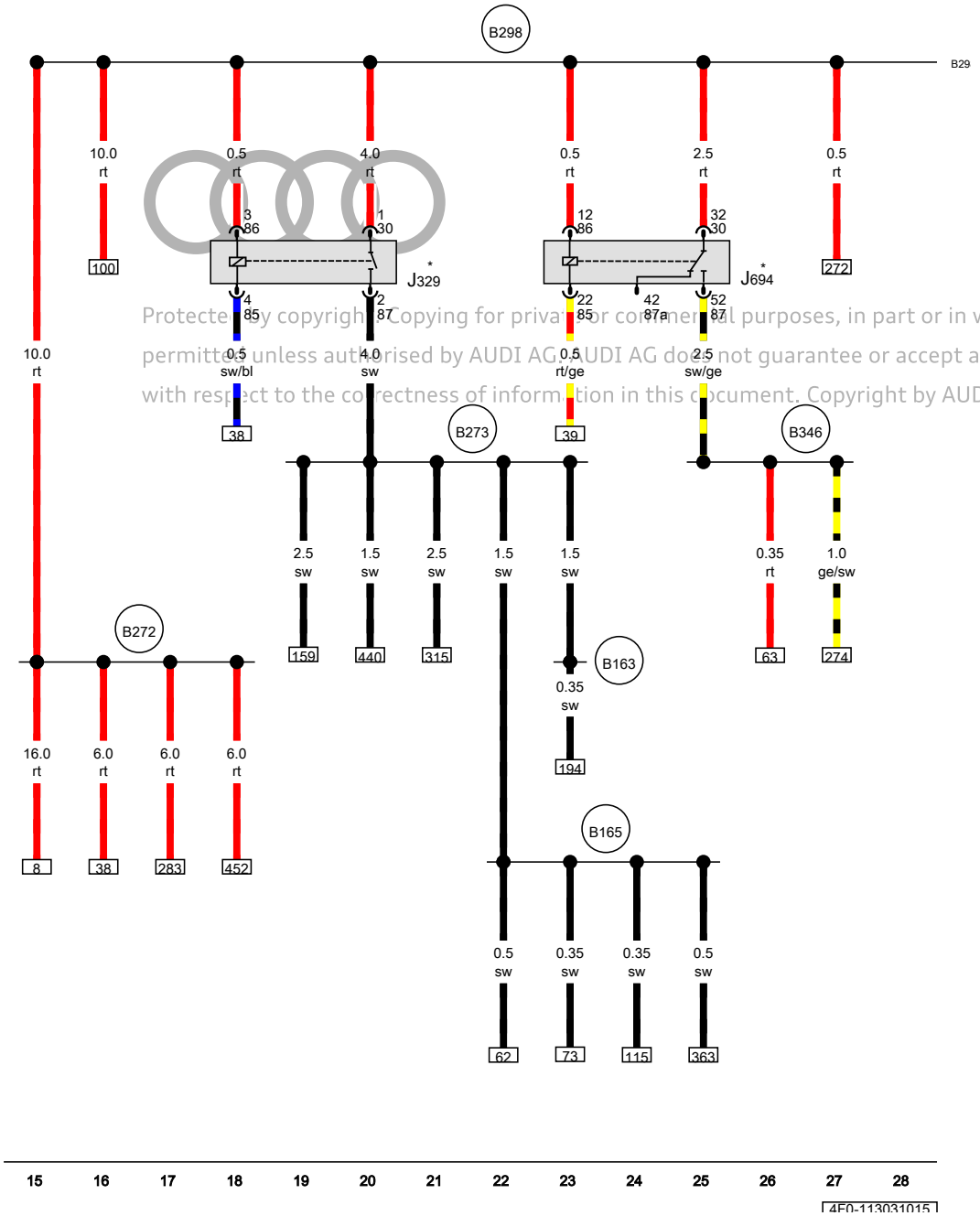


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Battery, Suppression filter, Battery monitor control unit, Battery isolation igniter

A	Battery
B	Starter
C	Alternator
C24	Suppression filter
J234	Airbag control unit
J367	Battery monitor control unit
N253	Battery isolation igniter
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
S130	Secondary air pump fuse
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T2bc	2-pin connector, yellow, on battery monitor control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T100	100-pin connector, blue, on airbag control unit
624	Earth point, starter battery
646	Earth point 2, on bulkhead
B301	Positive connection 5 (30), in main wiring harness
*	Main fuse carrier, on battery on rear right in luggage compartment
*2	Main fuse carrier, in E-box on right of plenum chamber
*3	Only models with secondary air pump

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Terminal 15 voltage supply relay, Terminal 75x voltage supply relay

J329 Terminal 15 voltage supply relay
J694 Terminal 75x voltage supply relay

B163 Positive connection 1 (15), in interior wiring harness

B165 Positive connection 2 (15), in interior wiring harness

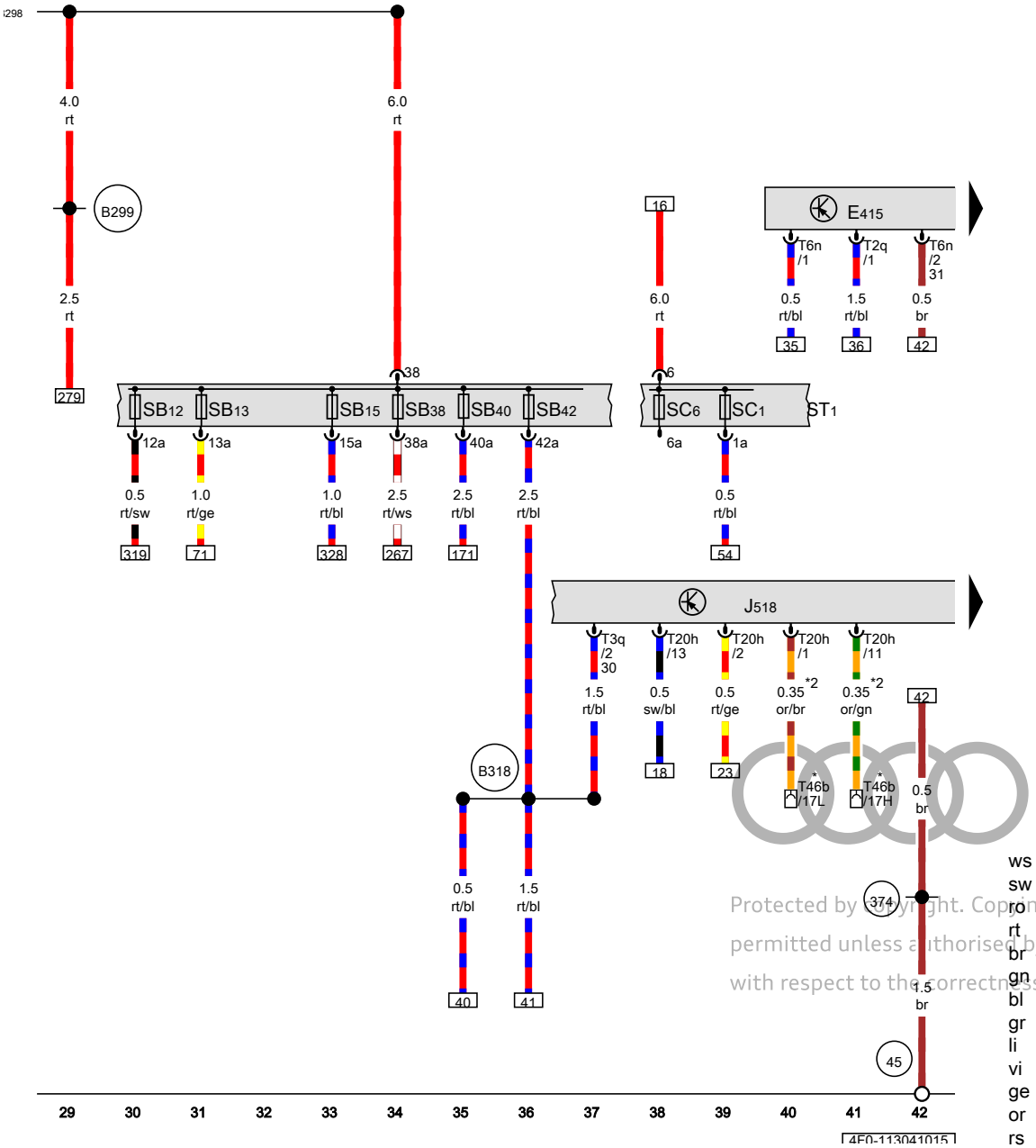
B272 Positive connection (30), in main wiring harness

B273 Positive connection (15), in main wiring harness

B298 Positive connection 2 (30), in main wiring harness

B346 Connection 1 (75), in main wiring harness

* Relay carrier on left under dash panel



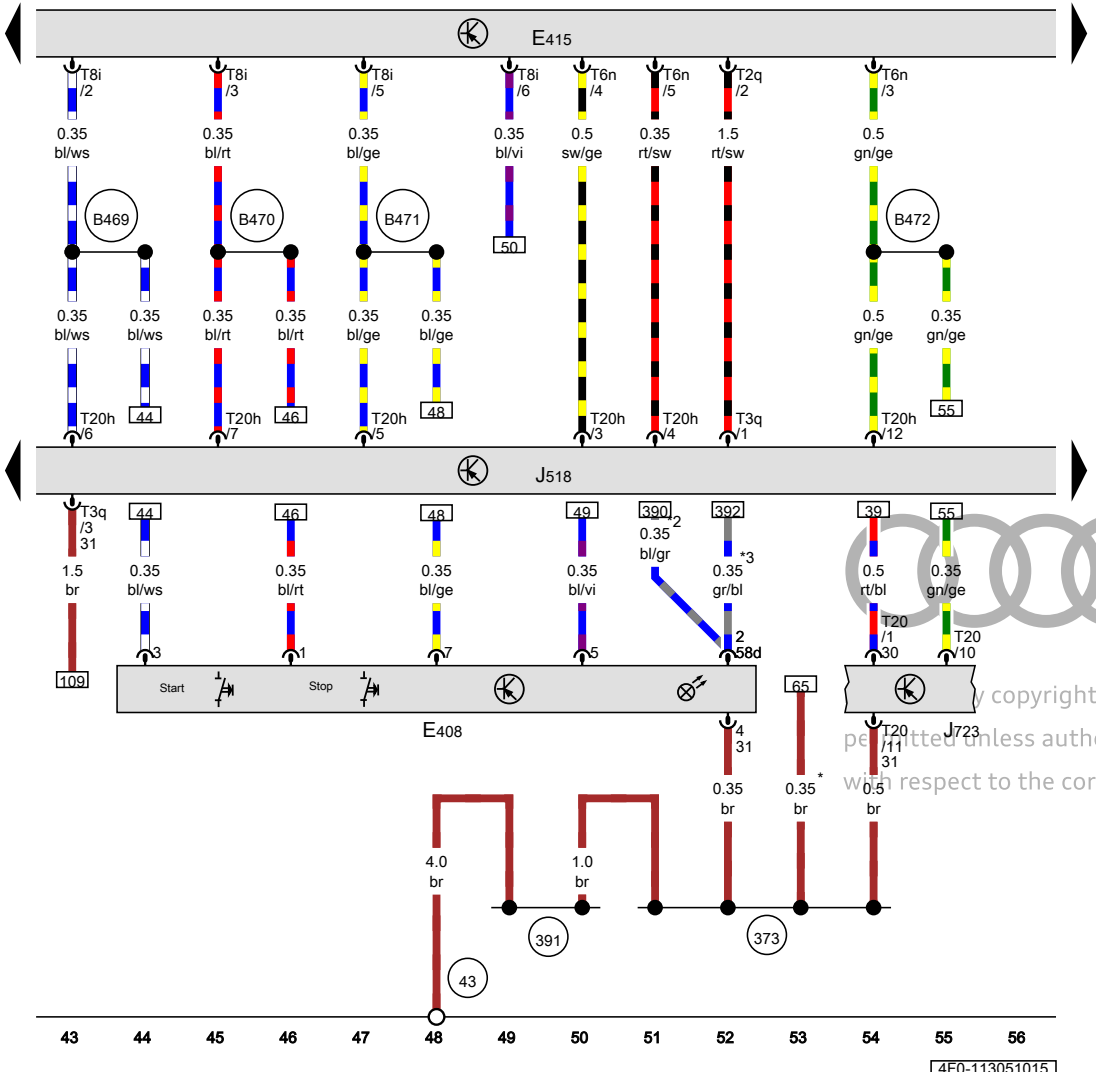
Entry and start authorisation switch, Entry and start authorisation control unit

E415	Entry and start authorisation switch
J518	Entry and start authorisation control unit
ST1	Fuse carrier 1
SC1	Fuse 1 on fuse holder C
SC6	Fuse 6 on fuse holder C
SB12	Fuse 12 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB38	Fuse 38 on fuse holder B
SB40	Fuse 40 on fuse holder B
SB42	Fuse 42 on fuse holder B
T2q	2-pin connector, black, on entry and start authorisation switch
T3q	3-pin connector, black, on entry and start authorisation control unit
T6n	6-pin connector, black, on entry and start authorisation switch
T20h	20-pin connector, black, on entry and start authorisation control unit
T46b	46-pin connector, right
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B318	Positive connection 4 (30a) in main wiring harness
*	see applicable current flow diagram for CAN separating connector
*2	Data bus wire (CAN bus)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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Entry and start authorisation button, Entry and start authorisation switch, Entry and start authorisation control unit

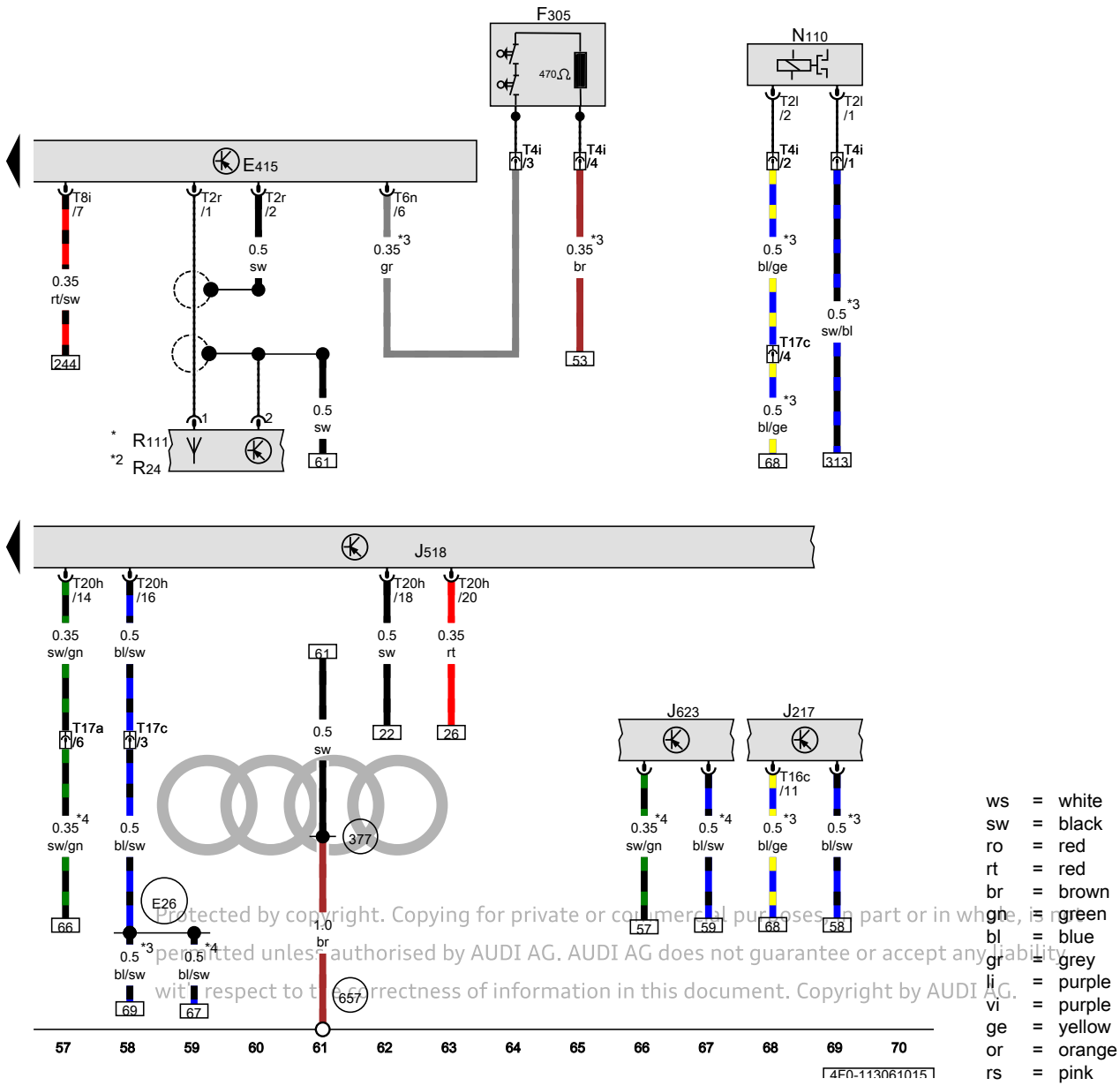


E408	Entry and start authorisation button
E415	Entry and start authorisation switch
J518	Entry and start authorisation control unit
J723	Aerial reader unit for keyless entry system
T2q	2-pin connector, black, on entry and start authorisation switch
T3q	3-pin connector, black, on entry and start authorisation control unit
T6n	6-pin connector, black, on entry and start authorisation switch
T8i	8-pin connector, black, on entry and start authorisation switch
T20	20-pin connector, red
T20h	20-pin connector, black, on entry and start authorisation control unit
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B469	Connection 5, in main wiring harness
B470	Connection 6, in main wiring harness
B471	Connection 7, in main wiring harness
B472	Connection 8, in main wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	Only models with manual gearbox
*3	Only models with automatic gearbox

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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Entry and start authorisation switch, Gear selector position P switch, Entry and start authorisation control unit



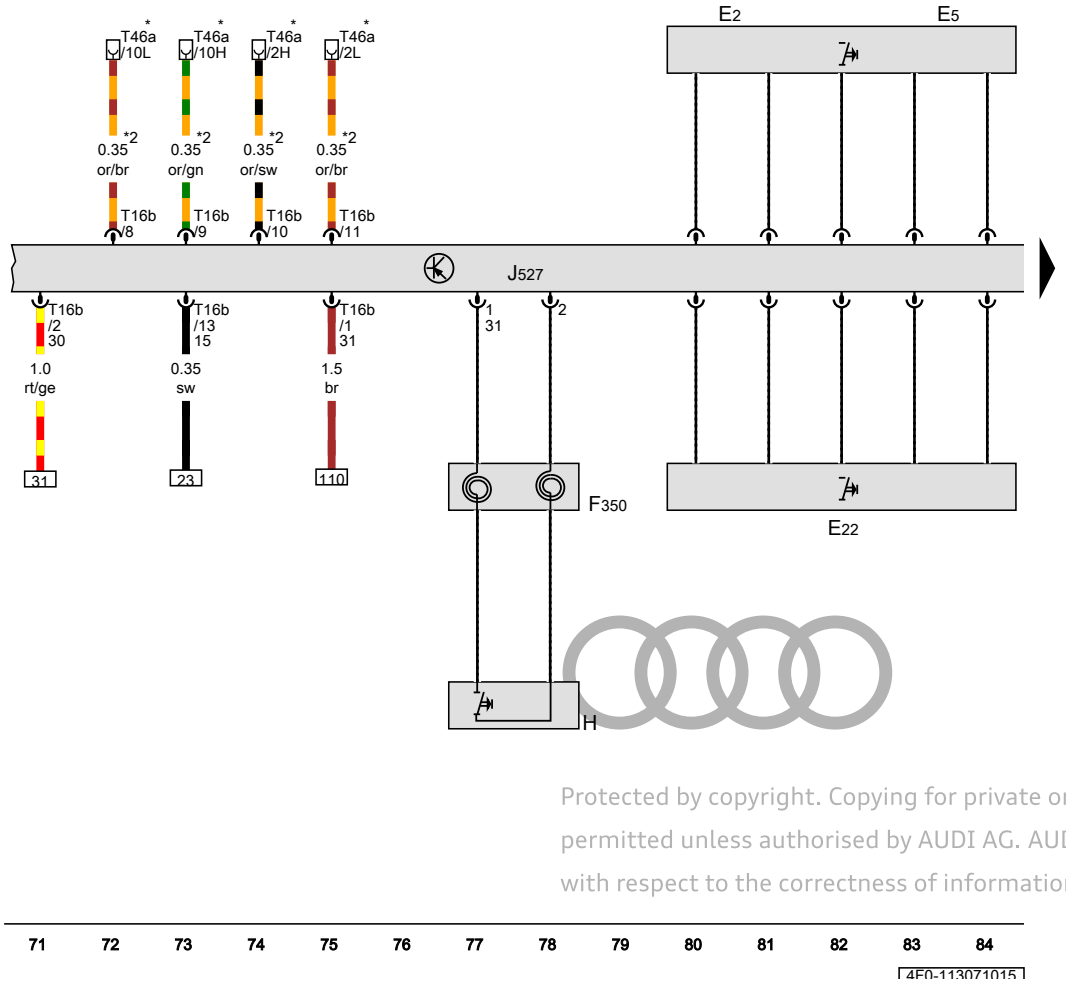
E415	Entry and start authorisation switch
F305	Gear selector position P switch
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
N110	Selector lever lock solenoid
R24	Aerial amplifier
R111	Aerial amplifier 2
T2l	2-pin connector, black, on selector lever lock solenoid
T2r	2-pin connector, on entry and start authorisation switch
T4i	4-pin connector, black, in centre console, on selector lever bracket
T6n	6-pin connector, black, on entry and start authorisation switch
T8i	8-pin connector, black, on entry and start authorisation switch
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T20h	20-pin connector, black, on entry and start authorisation control unit
377	Earth connection 12, in main wiring harness
657	Earth point 1, on left near rear window
E26	Connection (selector position P/N), in Motronic wiring harness
*	Saloon
*2	Avant
*3	see applicable current flow diagram for automatic gearbox
*4	see applicable current flow diagram for engine

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Turn signal switch, Headlight flasher switch, Intermittent wiper switch, Horn plate, Steering column electronics control unit

E2	Turn signal switch
E5	Headlight flasher switch
E22	Intermittent wiper switch
F350	Coil connector
H	Horn plate
J527	Steering column electronics control unit
T16b	16-pin connector, behind steering column trim
T46a	46-pin connector, left
*	see applicable current flow diagram for CAN separating connector
*2	Data bus wire (CAN bus)

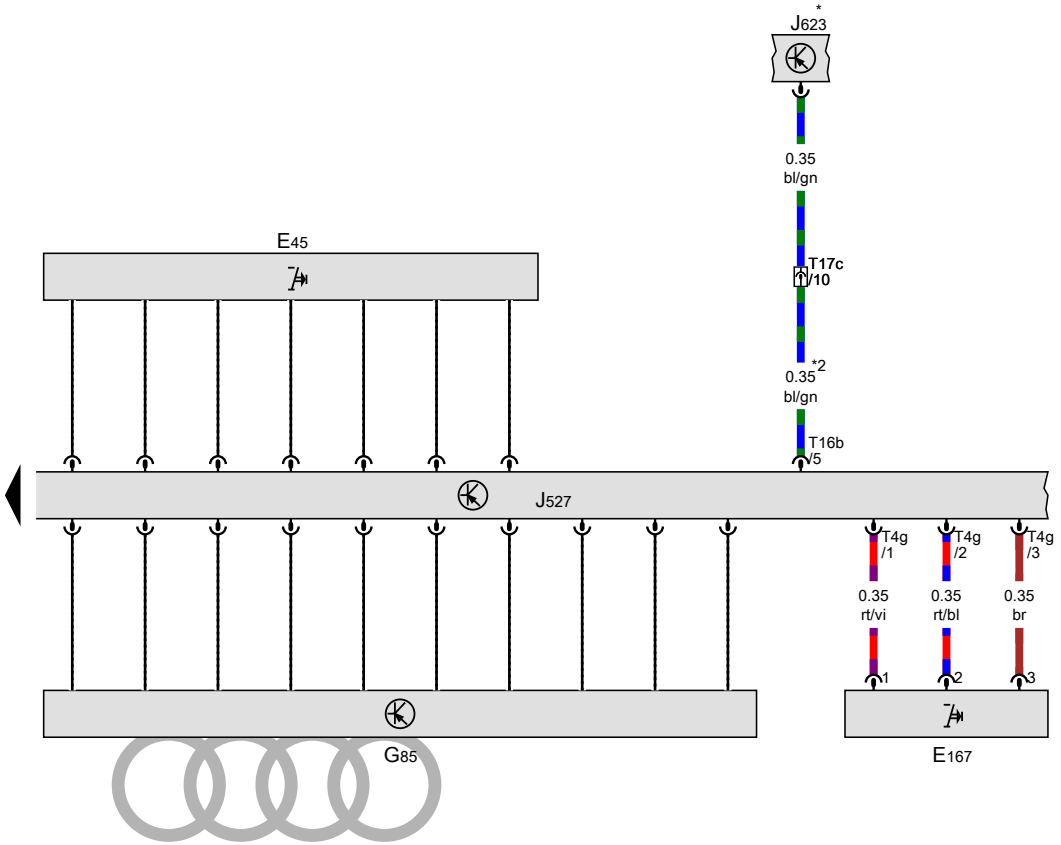


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Cruise control system switch, Steering column adjustment switch, Steering angle sender, Steering column electronics control unit

E45	Cruise control system switch
E167	Steering column adjustment switch
G85	Steering angle sender
J527	Steering column electronics control unit
J623	Engine control unit
T4g	4-pin connector, black, behind steering column trim
T16b	16-pin connector, behind steering column trim
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
*	see applicable current flow diagram for engine
*2	Only models with cruise control system

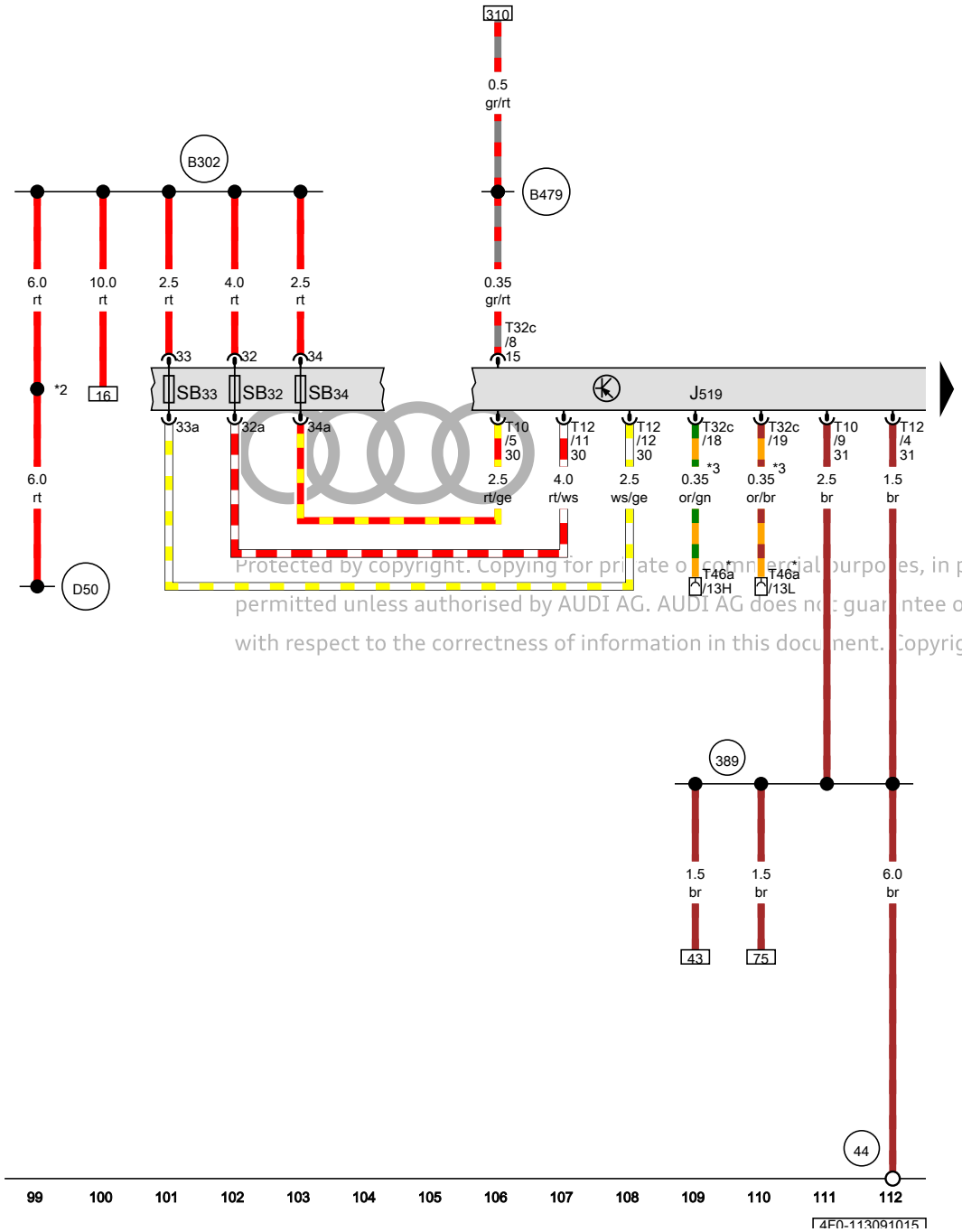


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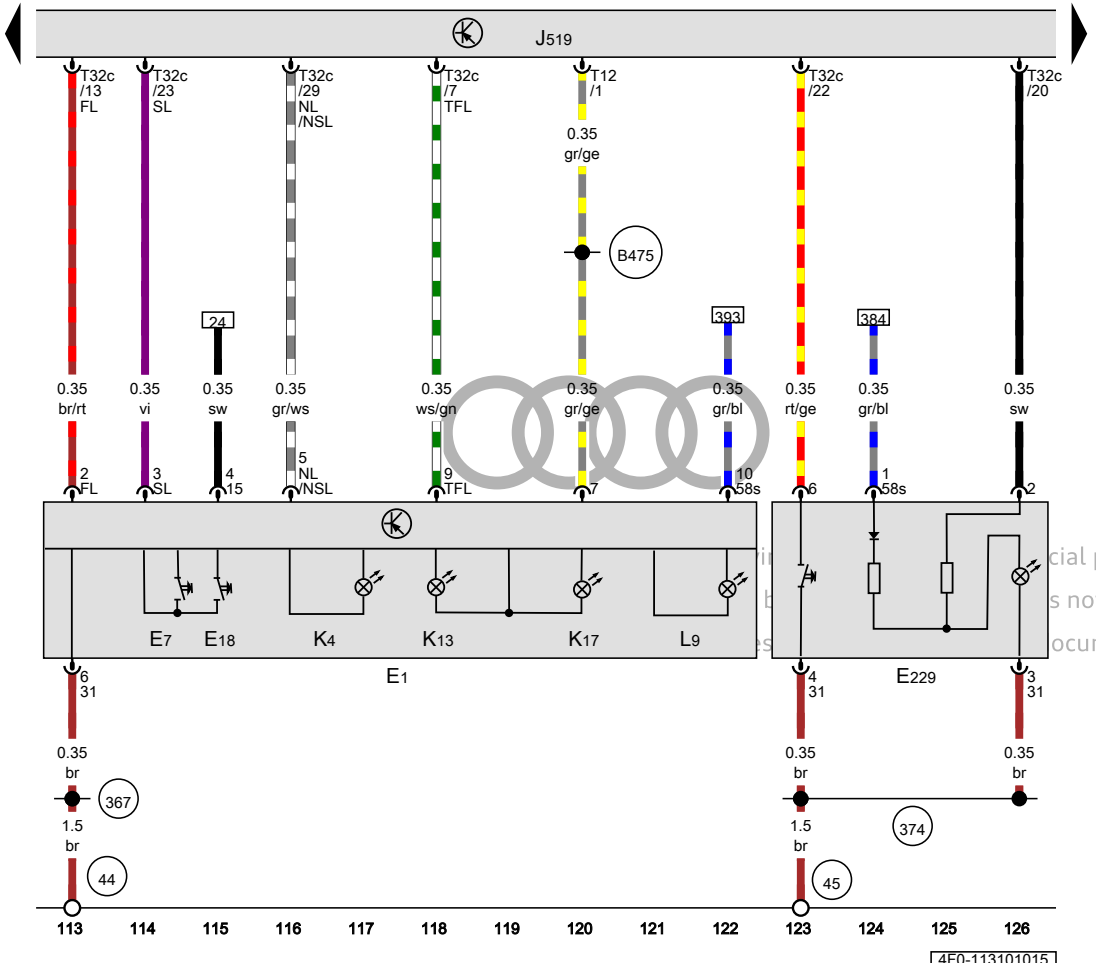
Onboard supply control unit

J519	Onboard supply control unit
SB32	Fuse 32 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB34	Fuse 34 on fuse holder B
T10	10-pin connector, black, on onboard supply control unit
T12	12-pin connector, black, on onboard supply control unit
T32c	32-pin connector, white, on onboard supply control unit
T46a	46-pin connector, left
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B479	Connection 15, in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
*	see applicable current flow diagram for CAN separating connector
*2	Threaded connection, in E-box in plenum chamber
*3	Data bus wire (CAN bus)

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Light switch, Hazard warning lights button, Onboard supply control unit

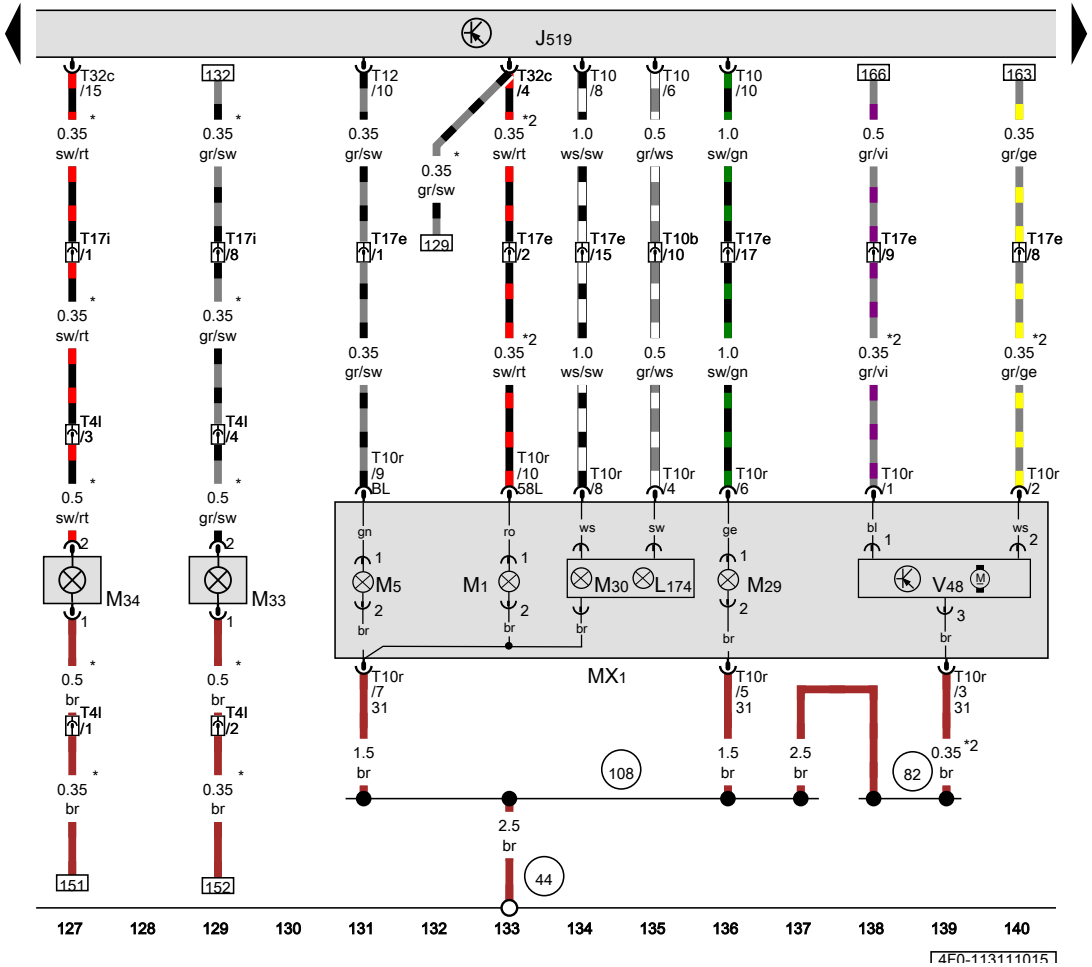
E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
E229	Hazard warning lights button
J519	Onboard supply control unit
K4	Side light warning lamp
K13	Rear fog light warning lamp
K17	Fog light warning lamp
L9	Light switch illumination bulb
T12	12-pin connector, black, on onboard supply control unit
T32c	32-pin connector, white, on onboard supply control unit
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
374	Earth connection 9, in main wiring harness
B475	Connection 11, in main wiring harness



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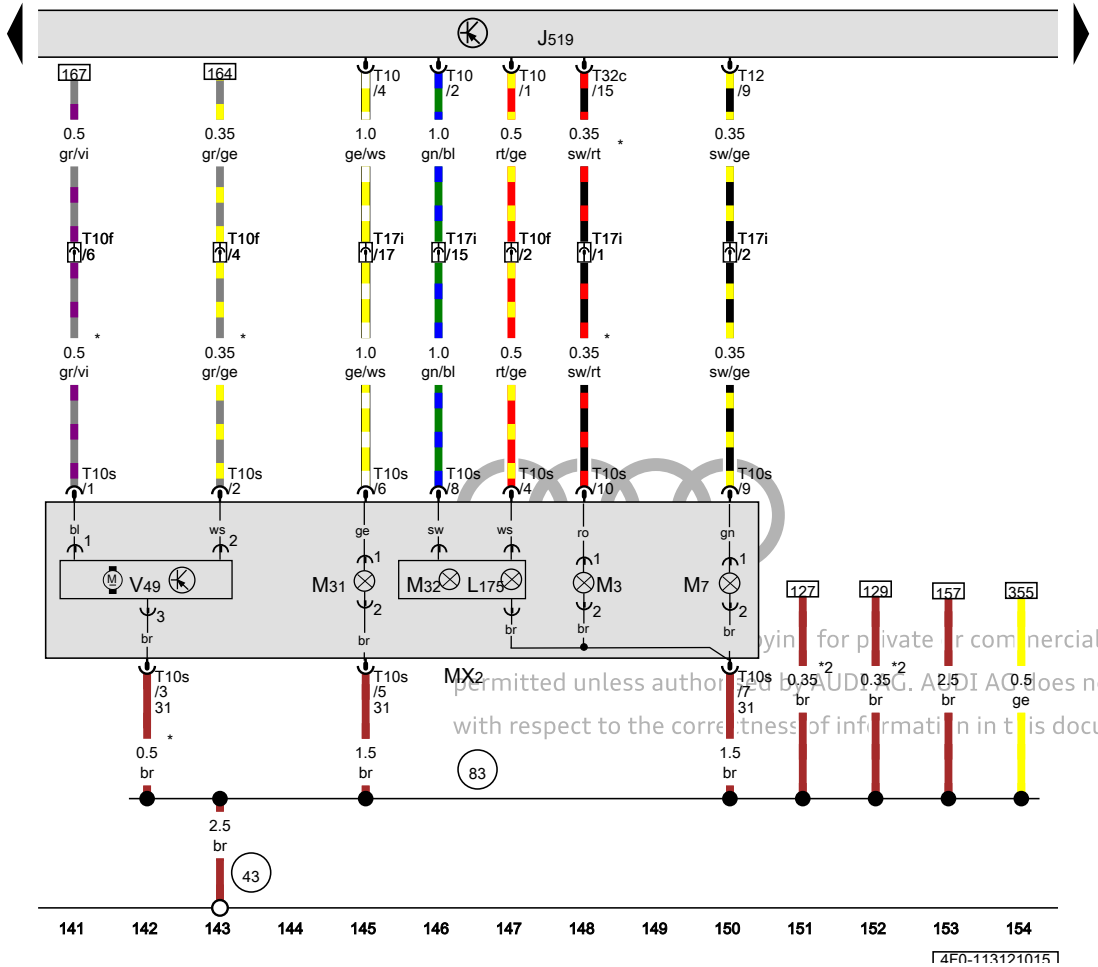
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Onboard supply control unit, Front left headlight

J519	Onboard supply control unit
L174	Left daytime running light bulb
MX1	Front left headlight
M1	Left side light bulb
M5	Front left turn signal bulb
M29	Left headlight dipped beam bulb
M30	Left headlight main beam bulb
M33	Front left side marker bulb
M34	Front right side marker bulb
T4l	4-pin connector, black, front right in engine compartment
T10	10-pin connector, black, on onboard supply control unit
T10b	10-pin connector, blue, in left A-pillar coupling station
T10r	10-pin connector, black, on left headlight
T12	12-pin connector, black, on onboard supply control unit
T17e	17-pin connector, red, in left A-pillar coupling station
T17i	17-pin connector, red, in right A-pillar coupling station
T32c	32-pin connector, white, on onboard supply control unit
V48	Left headlight range control motor
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
*	Only for American markets
*2	Not for American markets

Onboard supply control unit, Front right headlight

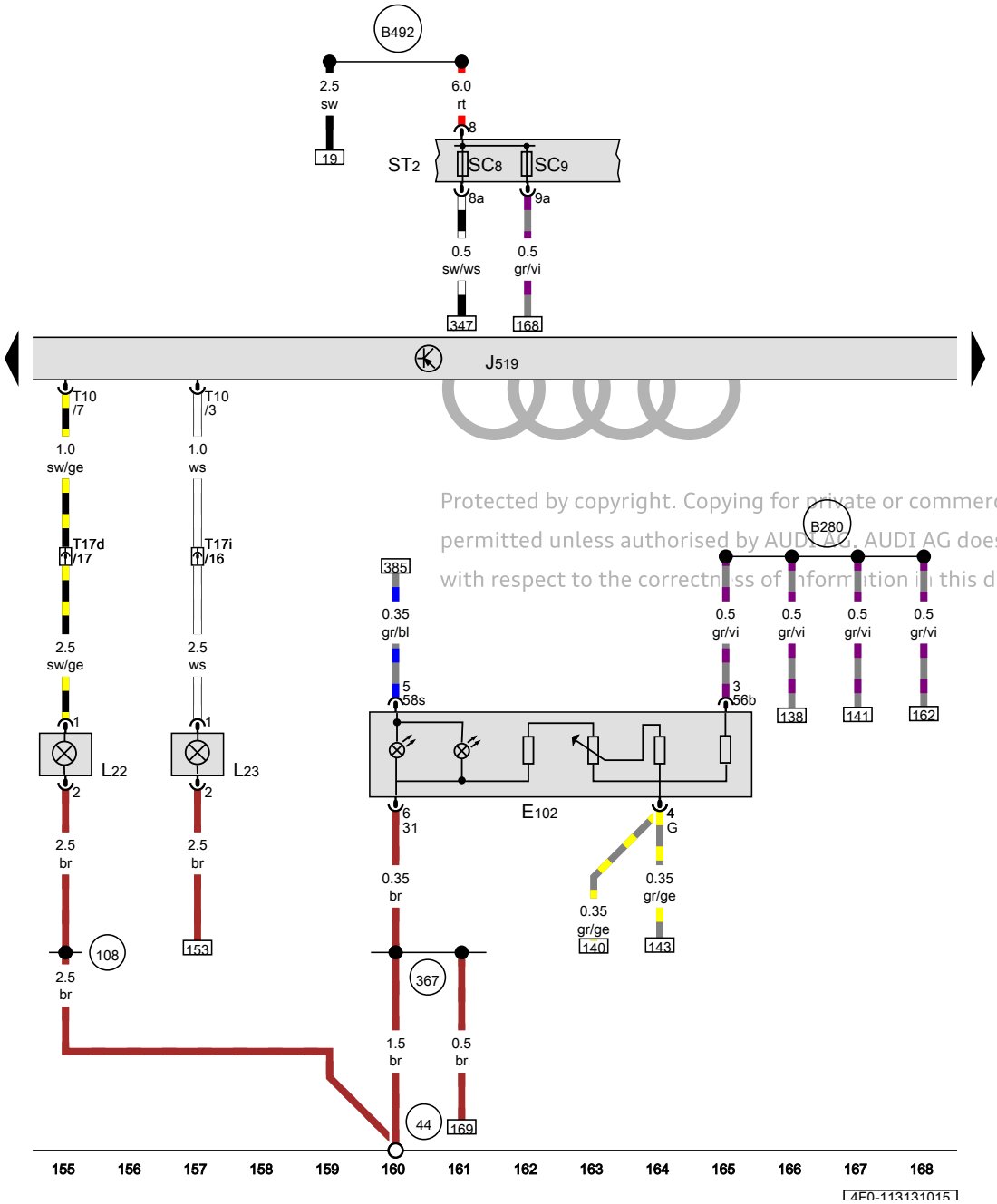
J519	Onboard supply control unit
L175	Right daytime running light bulb
MX2	Front right headlight
M3	Right side light bulb
M7	Front right turn signal bulb
M31	Right headlight dipped beam bulb
M32	Right headlight main beam bulb
T10	10-pin connector, black, on onboard supply control unit
T10f	10-pin connector, white, in right A-pillar coupling station
T10s	10-pin connector, black, on right headlight
T12	12-pin connector, black, on onboard supply control unit
T17i	17-pin connector, red, in right A-pillar coupling station
T32c	32-pin connector, white, on onboard supply control unit
V49	Right headlight range control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	Not for American markets
*2	Only for American markets



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Headlight range control regulator, Onboard supply control unit, Left fog light bulb, Right fog light bulb



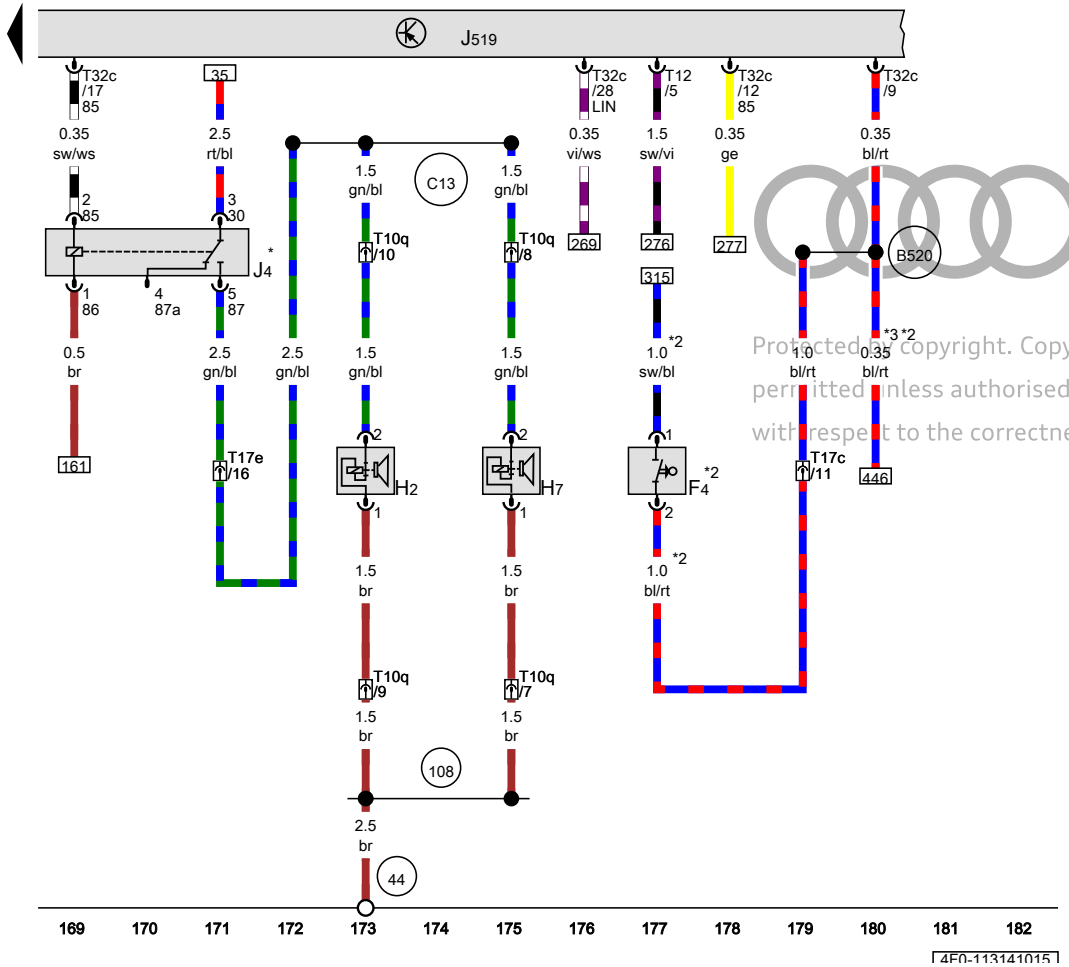
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E102	Headlight range control regulator
J519	Onboard supply control unit
L22	Left fog light bulb
L23	Right fog light bulb
ST2	Fuse carrier 2
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
T10	10-pin connector, black, on onboard supply control unit
T17d	17-pin connector, black, in left A-pillar coupling station
T17i	17-pin connector, red, in right A-pillar coupling station
44	Earth point, lower part of left A-pillar
108	Earth connection 2, in front left wiring harness
367	Earth connection 2, in main wiring harness
B280	Positive connection 4 (15a) in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness

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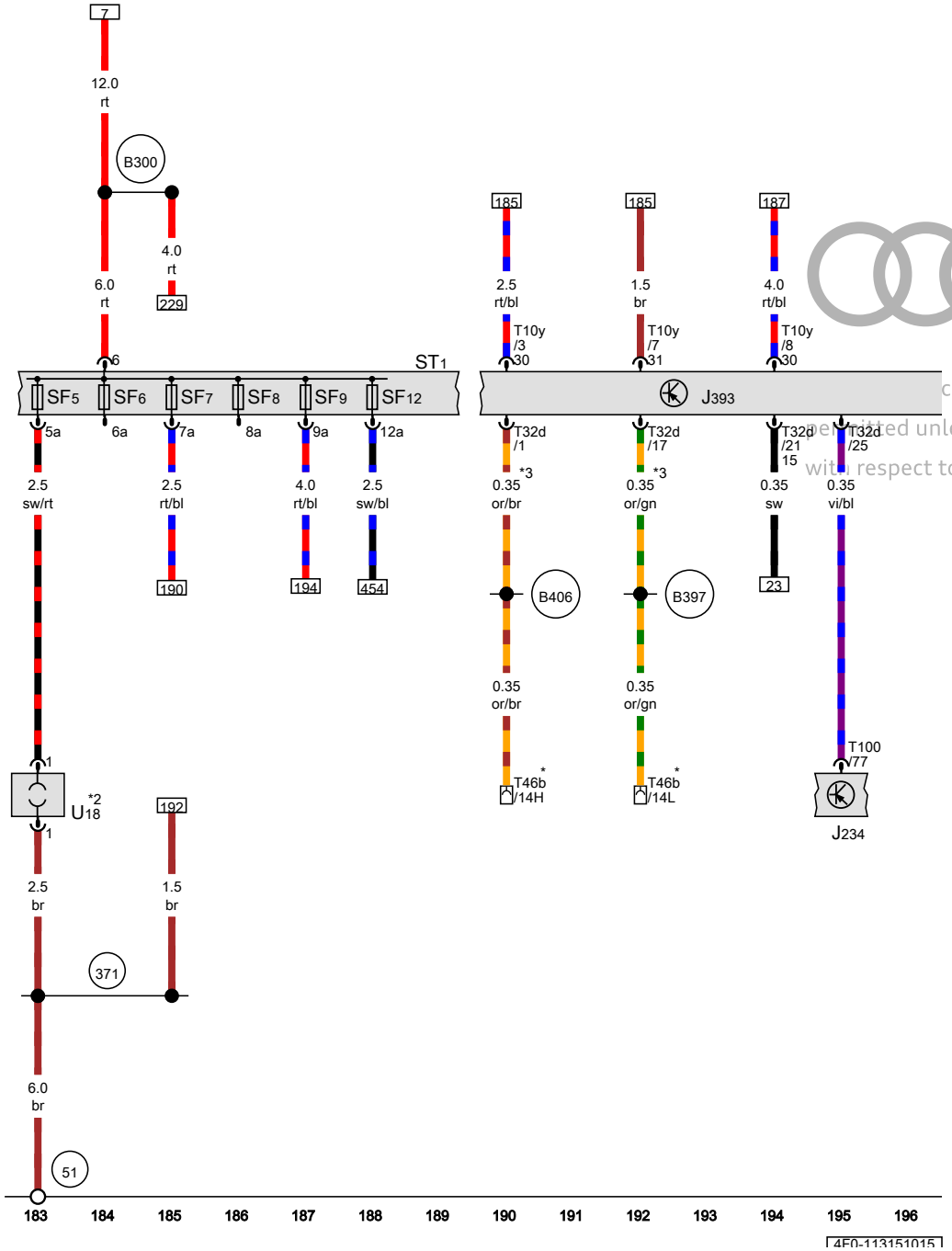
Reversing light switch, Treble horn, Bass horn, Dual tone horn relay, Onboard supply control unit

F4	Reversing light switch
H2	Treble horn
H7	Bass horn
J4	Dual tone horn relay
J519	Onboard supply control unit
T10q	10-pin connector, black, near left headlight
T12	12-pin connector, black, on onboard supply control unit
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T17e	17-pin connector, red, in left A-pillar coupling station
T32c	32-pin connector, white, on onboard supply control unit
44	Earth point, lower part of left A-pillar
108	Earth connection 2, in front left wiring harness
B520	Connection (RL), in main wiring harness
C13	Positive connection in dual tone horn wiring harness
*	Relay and fuse carrier, on left behind dash panel
*2	Only models with manual gearbox
*3	Only models with no main beam assist function



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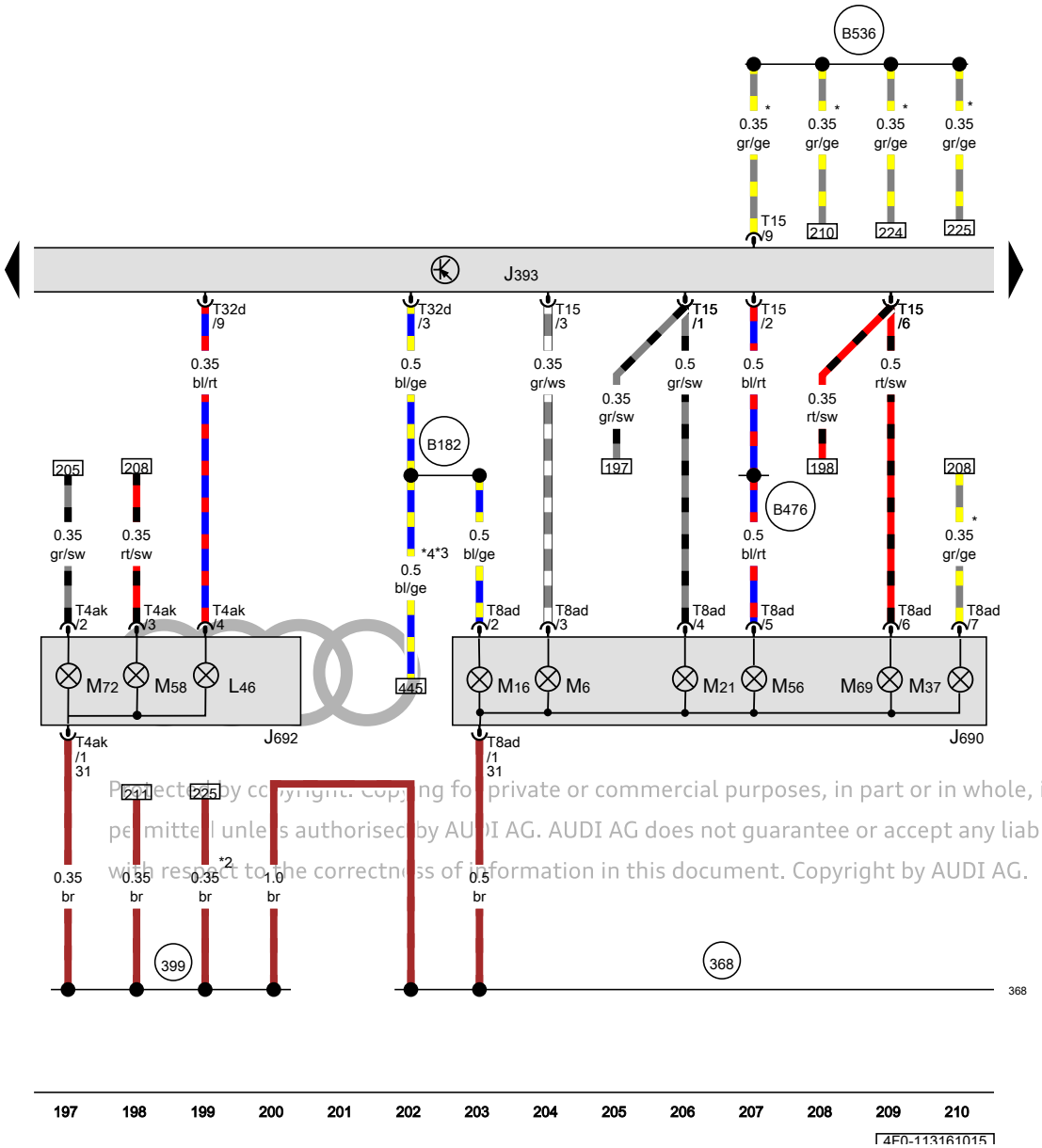
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Convenience system central control unit, 12 V socket 2

J234	Airbag control unit
J393	Convenience system central control unit
ST1	Fuse carrier 1
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
SF12	Fuse 12 in fuse holder F
T10y	10-pin connector, black, on convenience system central control unit
T32d	32-pin connector, blue, on convenience system central control unit
T46b	46-pin connector, right
T100	100-pin connector, blue, on airbag control unit
U18	12 V socket 2
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
B300	Positive connection 4 (30), 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 CAN separating connector
*2	Only models with 12 V socket
*3	Data bus wire (CAN bus)

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Convenience system central control unit, Left tail light control unit, Tail light control unit for lights on left in rear lid



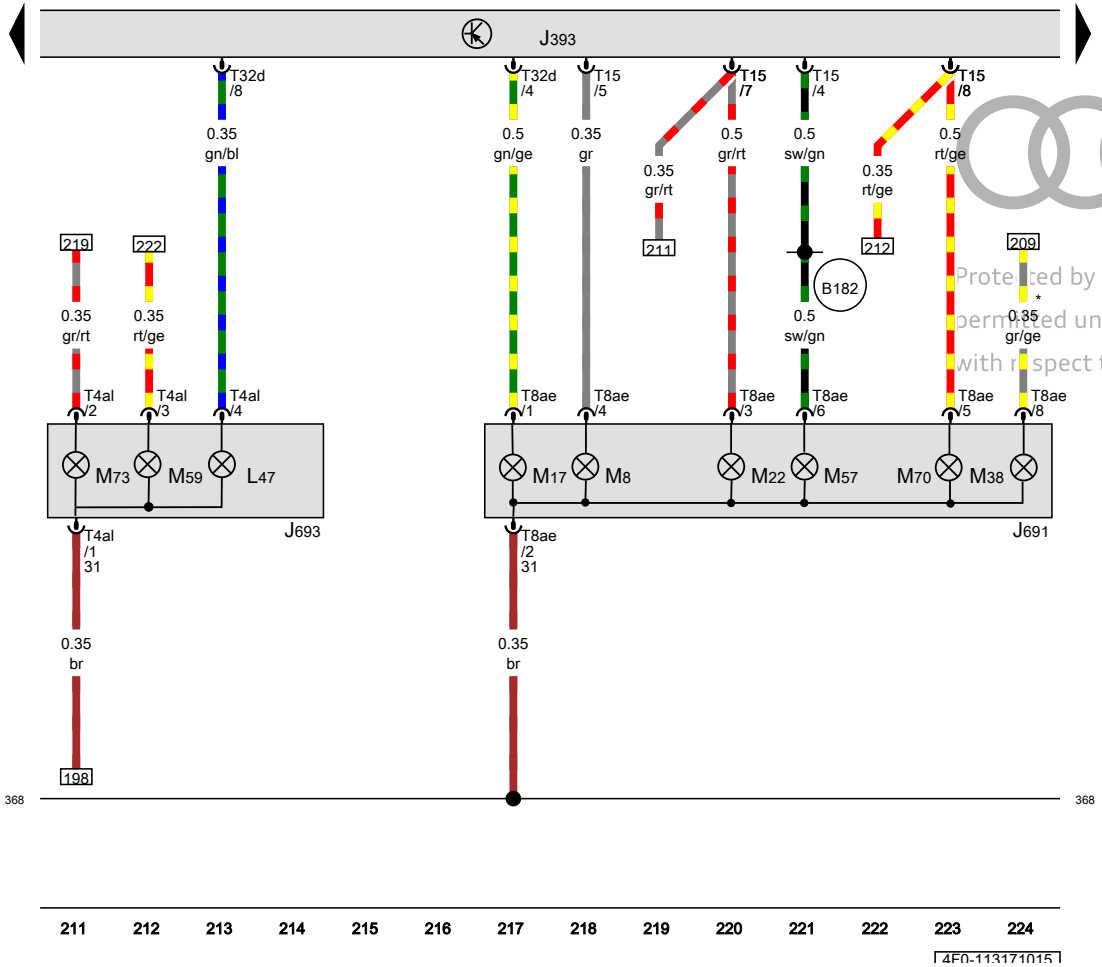
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J393	Convenience system central control unit
J690	Left tail light control unit
J692	Tail light control unit for lights on left in rear lid
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
M37	Rear left side marker bulb
M56	Left brake and turn signal bulb
M58	Left brake and tail light bulb 2
M69	Left brake, turn signal and tail light bulb
M72	Bulb 2 for left brake, turn signal and tail light
T4ak	4-pin connector, black, on left tail light
T8ad	8-pin connector, black, on left tail light
T15	15-pin connector, brown, on convenience system central control unit
T32d	32-pin connector, blue, on convenience system central control unit
368	Earth connection 3, in main wiring harness
399	Earth connection 34, in main wiring harness
B182	Connection (RL), in interior wiring harness
B476	Connection 12, in main wiring harness
B536	Connection 27, in main wiring harness
*	Only for American markets
*2	According to equipment
*3	see applicable current flow diagram for automatic gearbox
*4	Only models with no main beam assist function

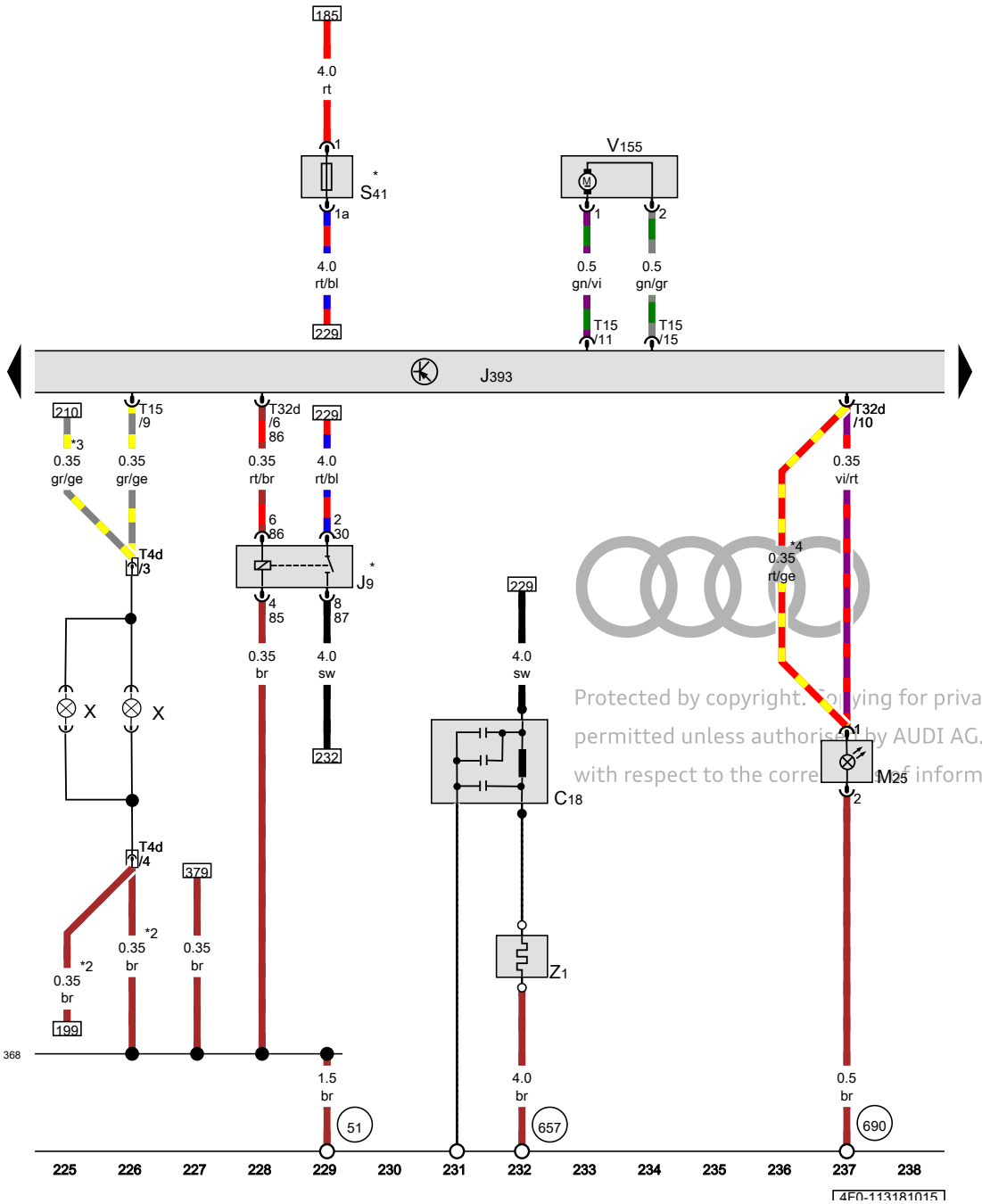
Convenience system central control unit, Right tail light control unit, Tail light control unit for lights on right in rear lid

J393	Convenience system central control unit
J691	Right tail light control unit
J693	Tail light control unit for lights on right in rear lid
L47	Rear right fog light bulb
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
M38	Rear right side marker bulb
M57	Right brake and turn signal bulb
M59	Right brake and tail light bulb 2
M70	Right brake, turn signal and tail light bulb
M73	Bulb 2 for right brake, turn signal and tail light
T4al	4-pin connector, black, on right tail light
T8ae	8-pin connector, black, on right tail light
T15	15-pin connector, brown, on convenience system central control unit
T32d	32-pin connector, blue, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B182	Connection (RL), in interior wiring harness
*	Only for American markets



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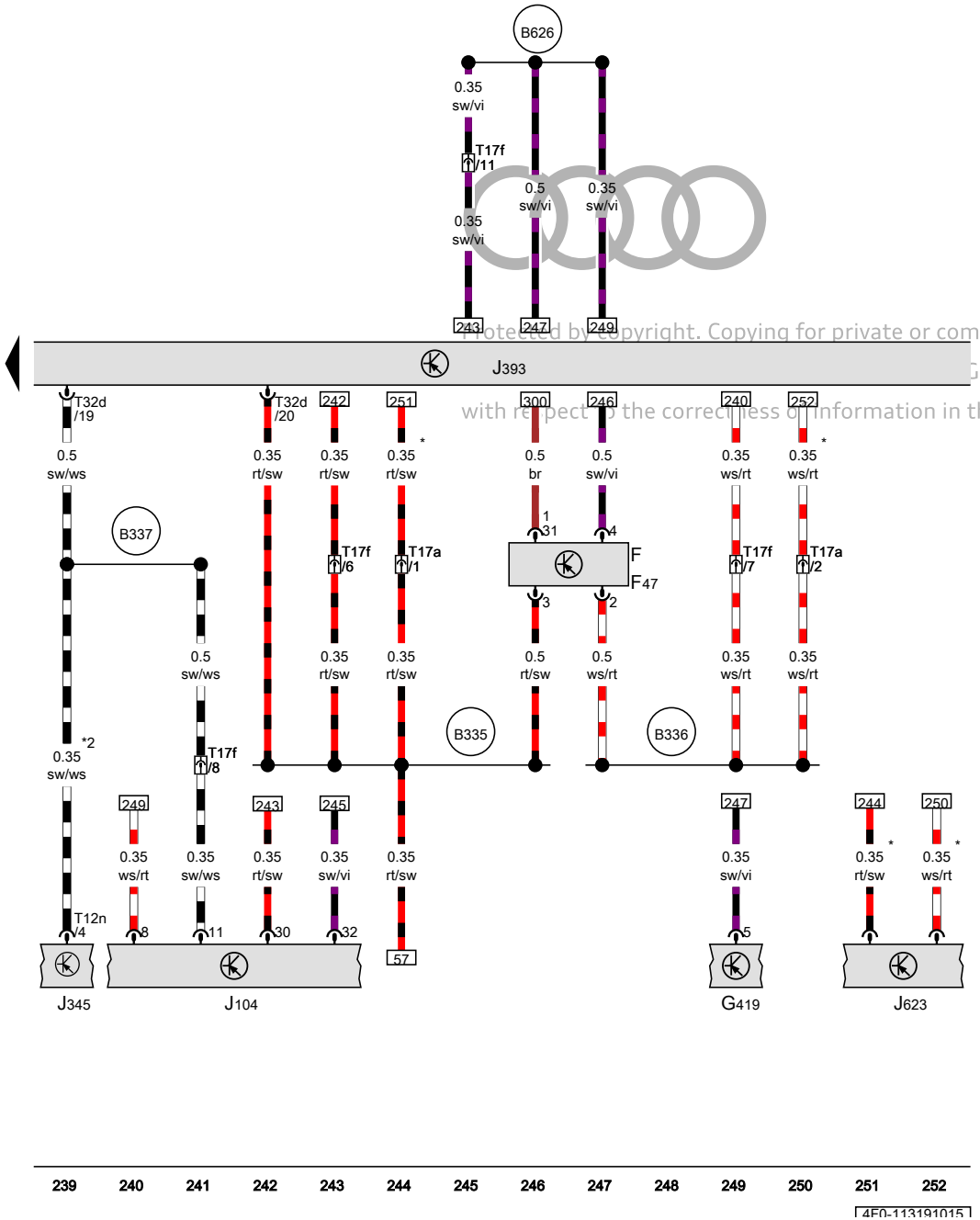
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Window aerial suppression filter, Heated rear window relay, Convenience system central control unit, High-level brake light bulb, Tank filler flap locking motor, Number plate light, Heated rear window

C18	Window aerial suppression filter
J9	Heated rear window relay
J393	Convenience system central control unit
M25	High-level brake light bulb
S41	Heated rear window single fuse
T4d	4-pin connector, black, in rear lid
T15	15-pin connector, brown, on convenience system central control unit
T32d	32-pin connector, blue, on convenience system central control unit
V155	Tank filler flap locking motor
X	Number plate light
Z1	Heated rear window
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
657	Earth point 1, on left near rear window
690	Earth point, rear centre roof frame
*	Relay and fuse carrier, on rear right in luggage compartment
*2	According to equipment
*3	Only for American markets
*4	Only right-hand drive models

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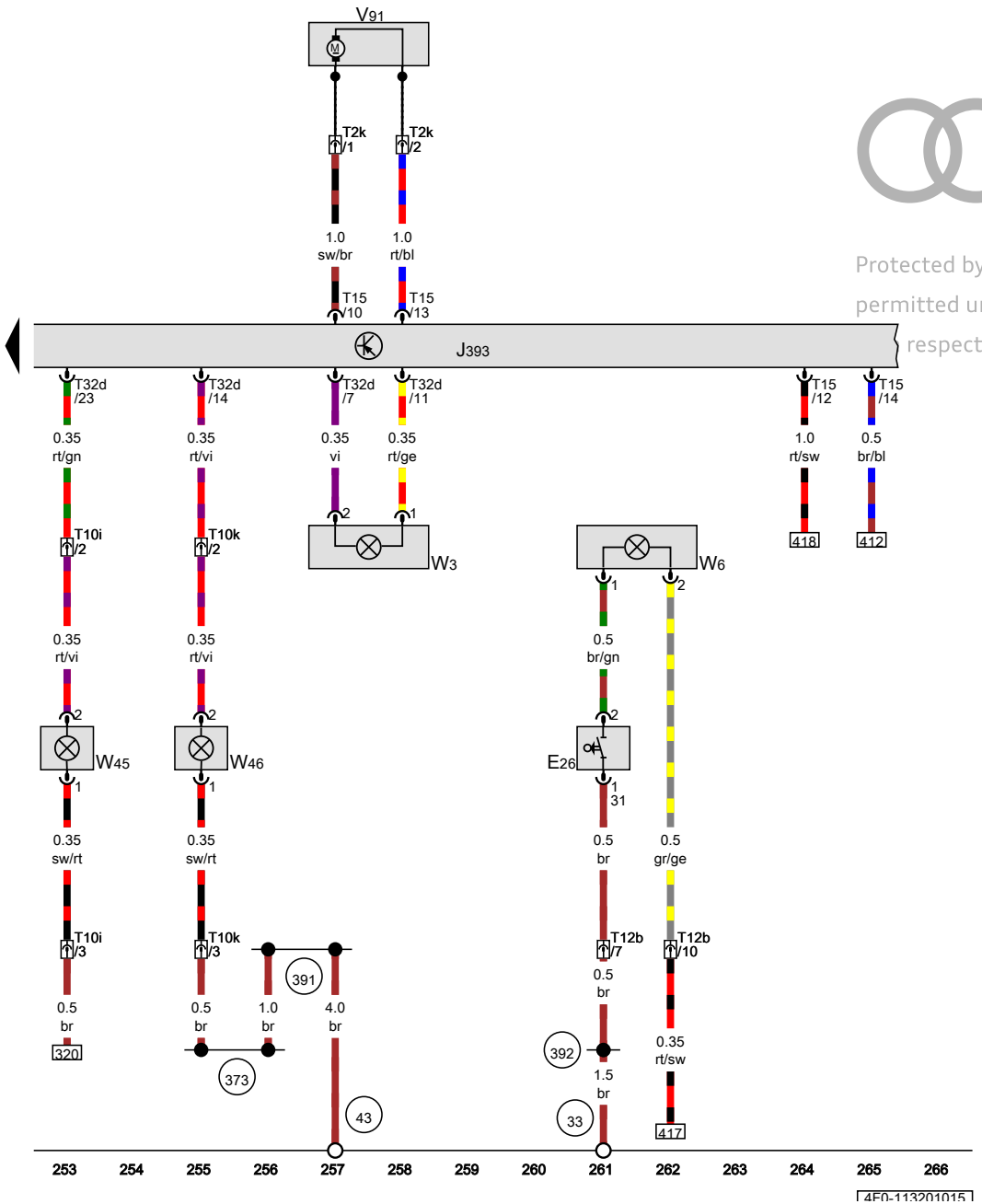
Brake light switch, Convenience system central control unit



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F	Brake light switch
F47	Brake pedal switch
G419	Sensor unit for electronic stabilisation program
J104	ABS control unit
J345	Trailer detector control unit
J393	Convenience system central control unit
J623	Engine control unit
T12n	12-pin connector, red, on trailer detector control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17f	17-pin connector, green, in left A-pillar coupling station
T32d	32-pin connector, blue, on convenience system central control unit
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B337	Connection 3 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
*	see applicable current flow diagram for engine
*2	Only models with towing bracket

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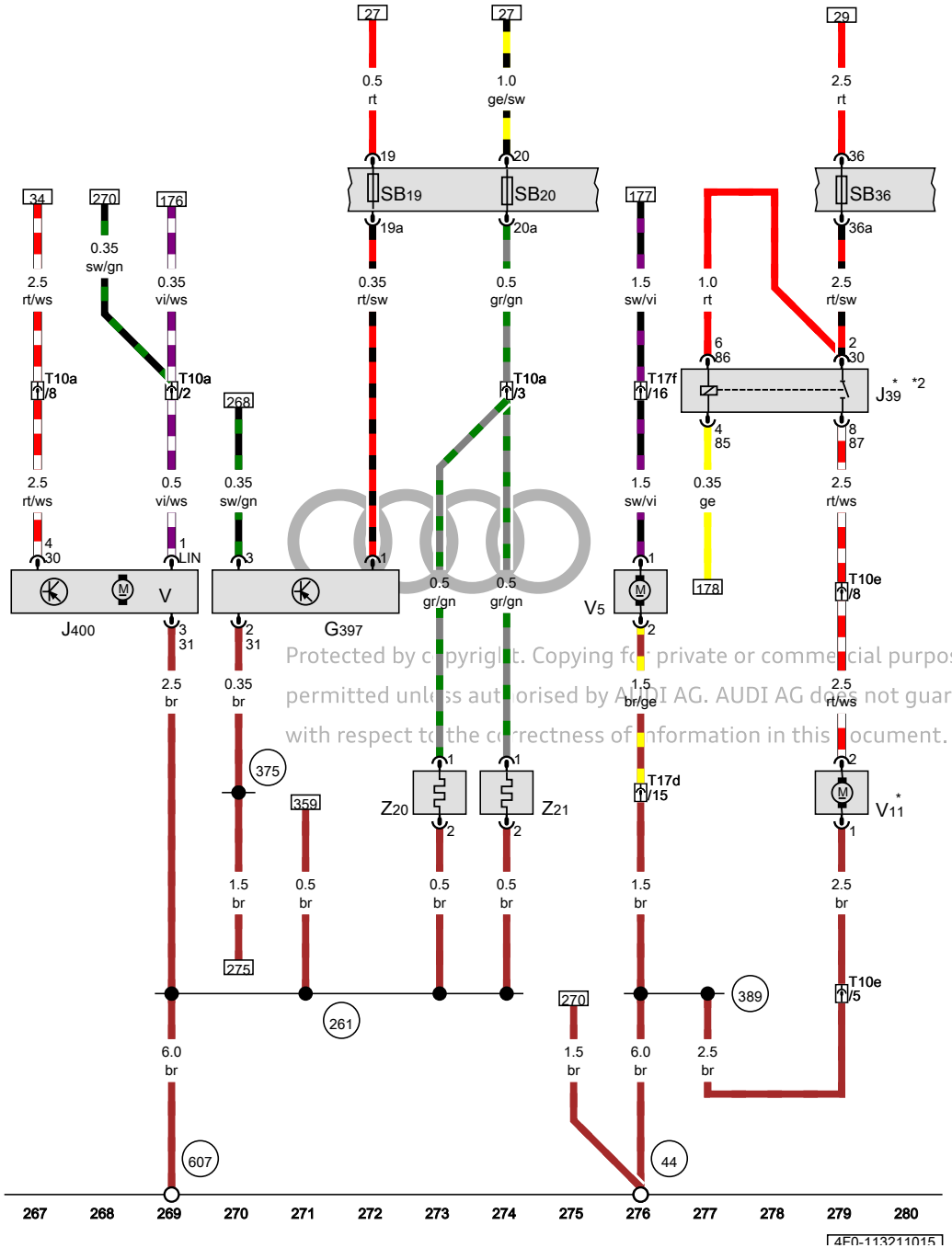


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Glove compartment light switch, Convenience system central control unit, Rear roller blind motor, Luggage compartment light, Glove compartment light, Rear left footwell light, Rear right footwell light

E26	Glove compartment light switch
J393	Convenience system central control unit
T2k	2-pin connector, black, behind left D-pillar trim
T10i	10-pin connector, red, under left rear seat
T10k	10-pin connector, red, under right rear seat
T12b	12-pin connector, black, behind dash panel, right
T15	15-pin connector, brown, on convenience system central control unit
T32d	32-pin connector, blue, on convenience system central control unit
V91	Rear roller blind motor
W3	Luggage compartment light
W6	Glove compartment light
W45	Rear left footwell light
W46	Rear right footwell light
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
392	Earth connection 27, in main wiring harness

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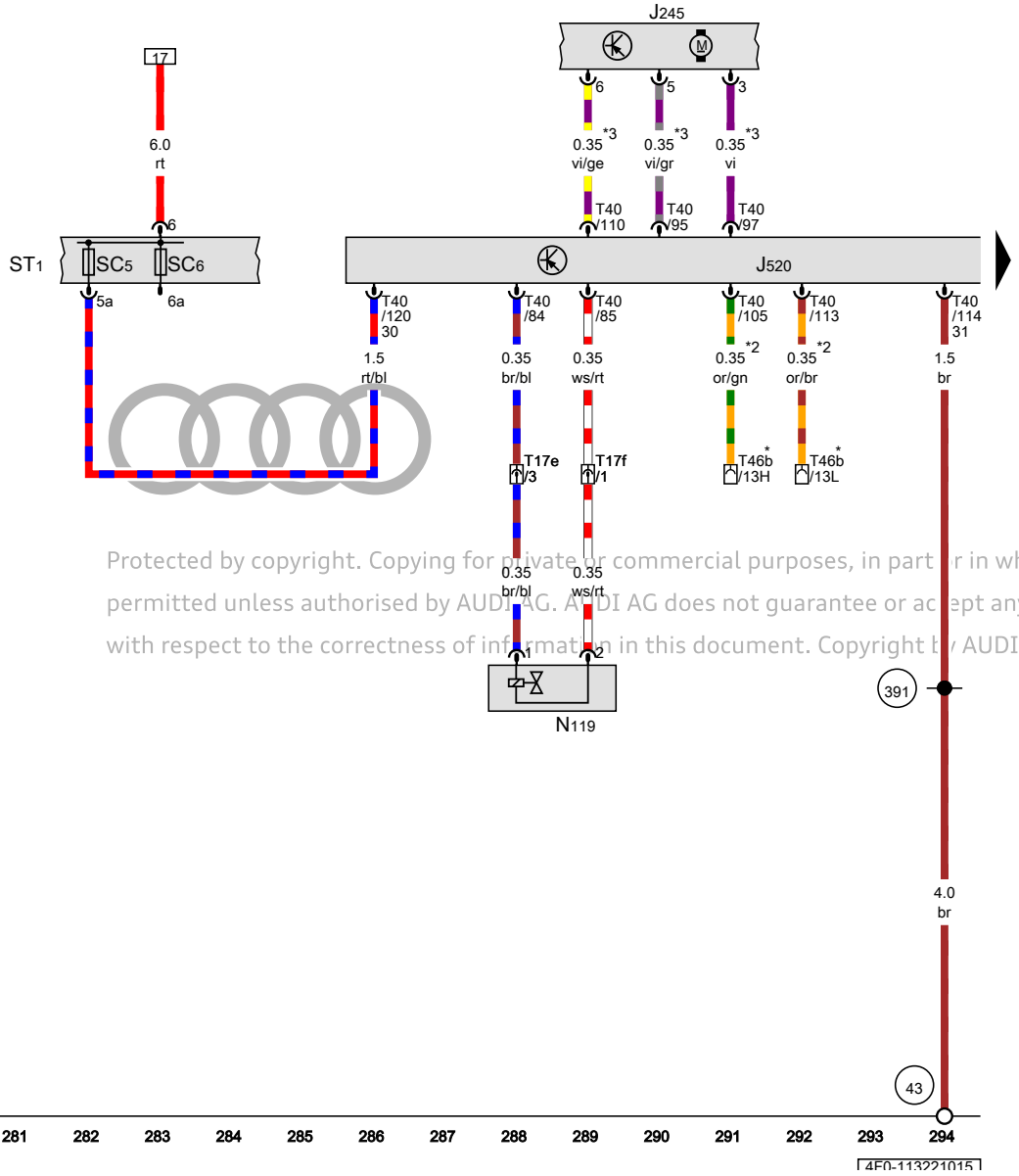


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Rain and light sensor, Headlight washer system relay, Wiper motor control unit, Washer pump, Headlight washer system pump, Left washer jet heater element, Right washer jet heater element

G397	Rain and light sensor
J39	Headlight washer system relay
J400	Wiper motor control unit
SB19	Fuse 19 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB36	Fuse 36 on fuse holder B
T10a	10-pin connector, purple, Coupling station, E-box on left in plenum chamber
T10e	10-pin connector, grey, in left A-pillar coupling station
T17d	17-pin connector, black, in left A-pillar coupling station
T17f	17-pin connector, green, in left A-pillar coupling station
V	Windscreen wiper motor
V5	Washer pump
V11	Headlight washer system pump
Z20	Left washer jet heater element
Z21	Right washer jet heater element
44	Earth point, lower part of left A-pillar
261	Earth connection, in heated washer jet wiring harness
375	Earth connection 10, in main wiring harness
389	Earth connection 24, in main wiring harness
607	Earth point, on left in plenum chamber
*	Only models with headlight washer system
*2	Relay carrier on left under dash panel



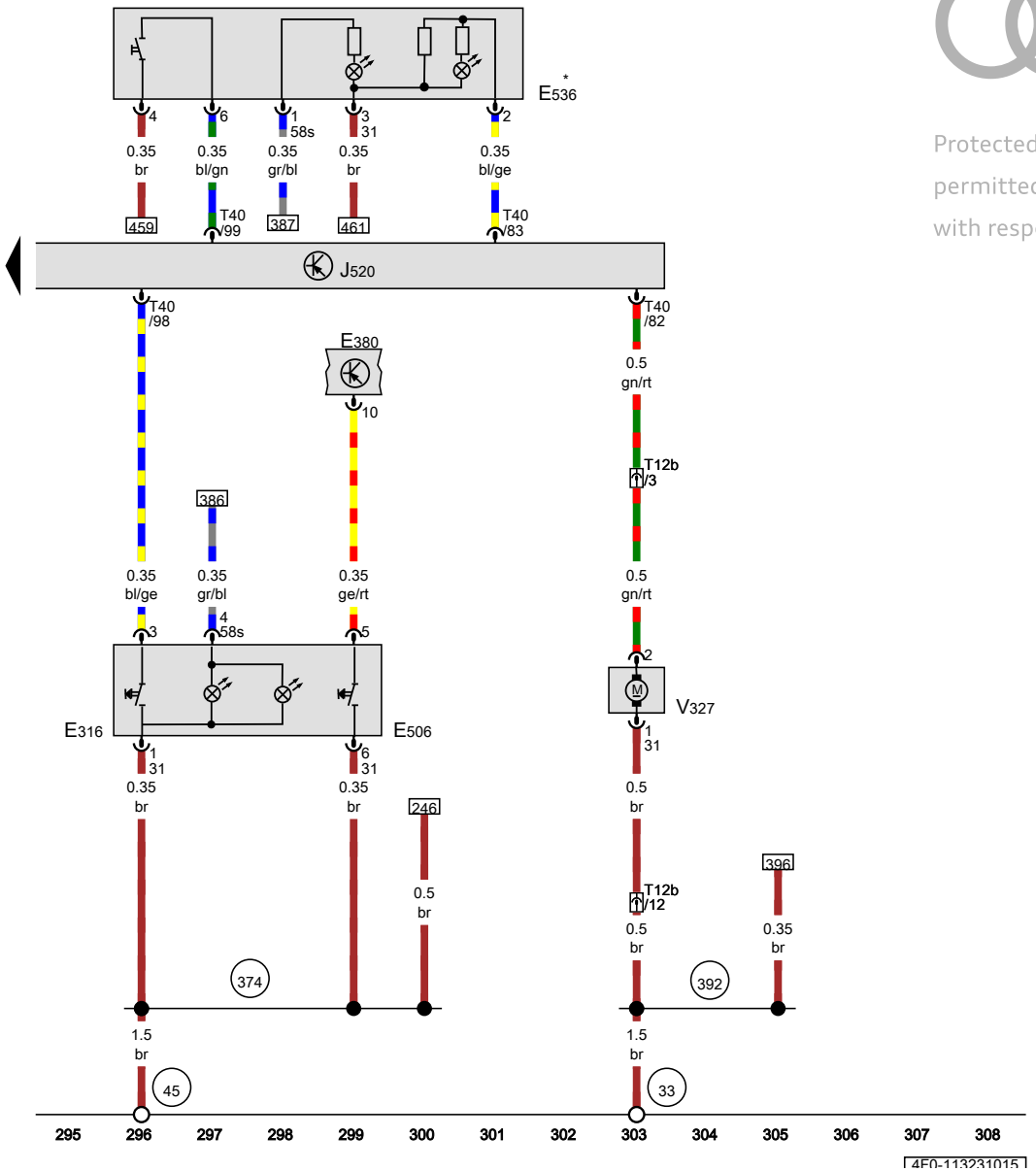
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Sliding sunroof adjustment control unit, Onboard supply control unit 2, Servotronic solenoid valve

J245	Sliding sunroof adjustment control unit
J520	Onboard supply control unit 2
N119	Servotronic solenoid valve
ST1	Fuse carrier 1
SC5	Fuse 5 on fuse holder C
SC6	Fuse 6 on fuse holder C
T17e	17-pin connector, red, in left A-pillar coupling station
T17f	17-pin connector, green, in left A-pillar coupling station
T40	40-pin connector, black, on onboard supply control unit
T46b	46-pin connector, right
43	Earth point, lower part of right A-pillar
391	Earth connection 26, in main wiring harness
*	see applicable current flow diagram for CAN separating connector
*2	Data bus wire (CAN bus)
*3	Only models with panoramic sliding sunroof

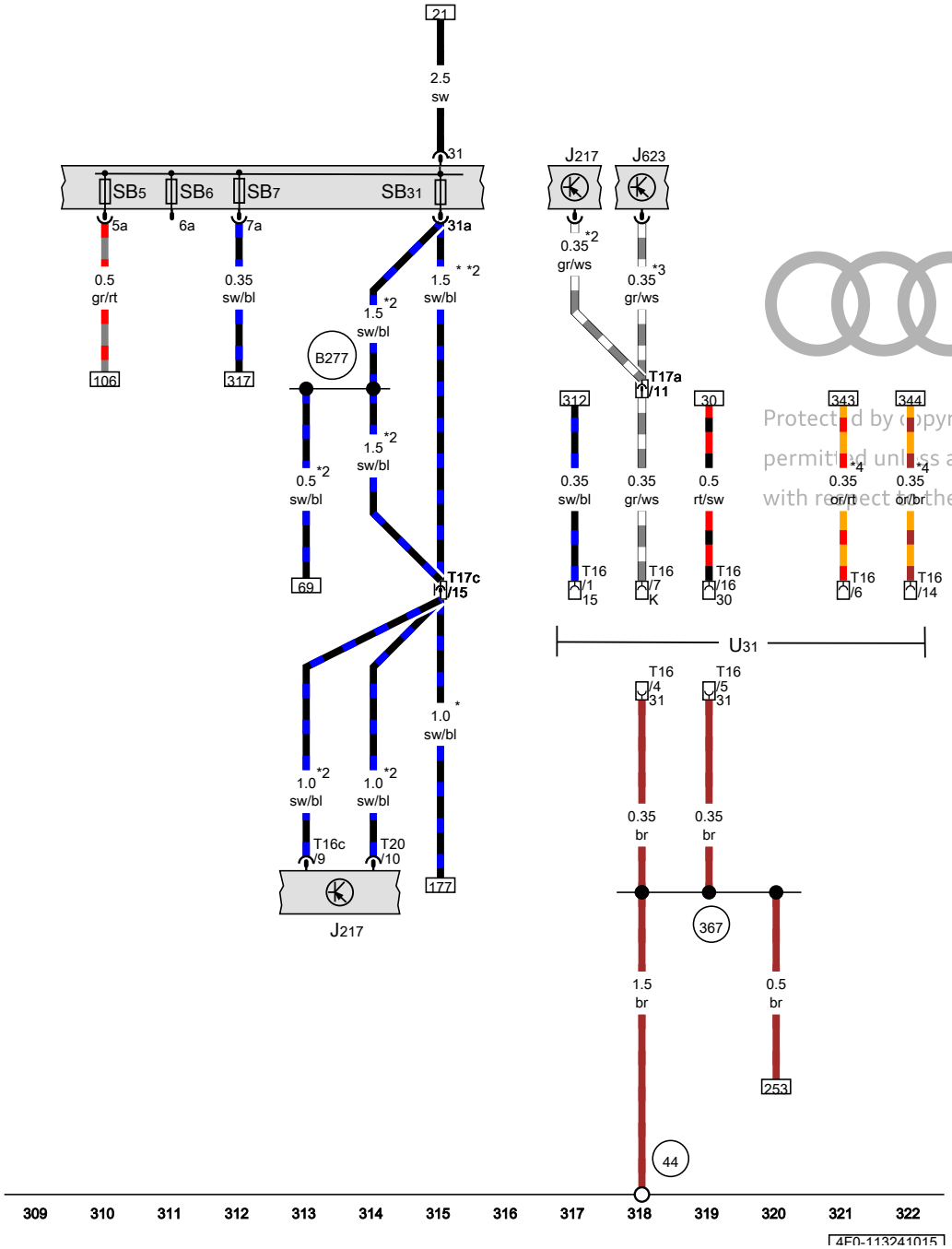
Glove compartment button, Display unit button, Valet parking button, Onboard supply control unit 2, Glove compartment release motor



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E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
E536	Valet parking button
J520	Onboard supply control unit 2
T12b	12-pin connector, black, behind dash panel, right
T40	40-pin connector, black, on onboard supply control unit
V327	Glove compartment release motor
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
392	Earth connection 27, in main wiring harness
*	Only for American markets

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Diagnostic connection

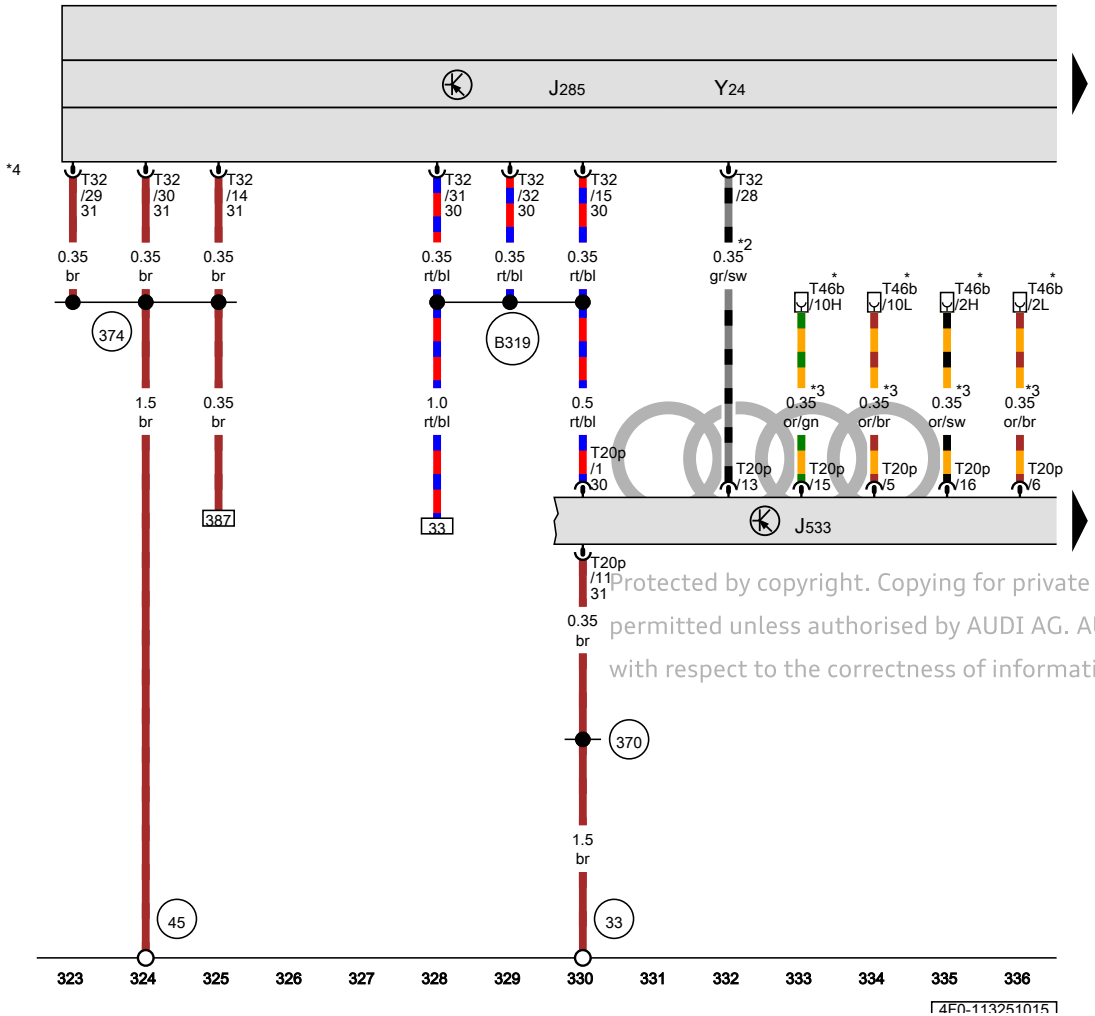
J217	Automatic gearbox control unit
J623	Engine control unit
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB31	Fuse 31 on fuse holder B
T16	16-pin connector, on diagnostic connection
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T20	20-pin connector, black, on automatic gearbox control unit
U31	Diagnostic connection
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
B277	Positive connection 1 (15a) in main wiring harness
*	Only models with manual gearbox
*2	see applicable current flow diagram for automatic gearbox
*3	see applicable current flow diagram for engine
*4	Data bus wire (CAN bus)

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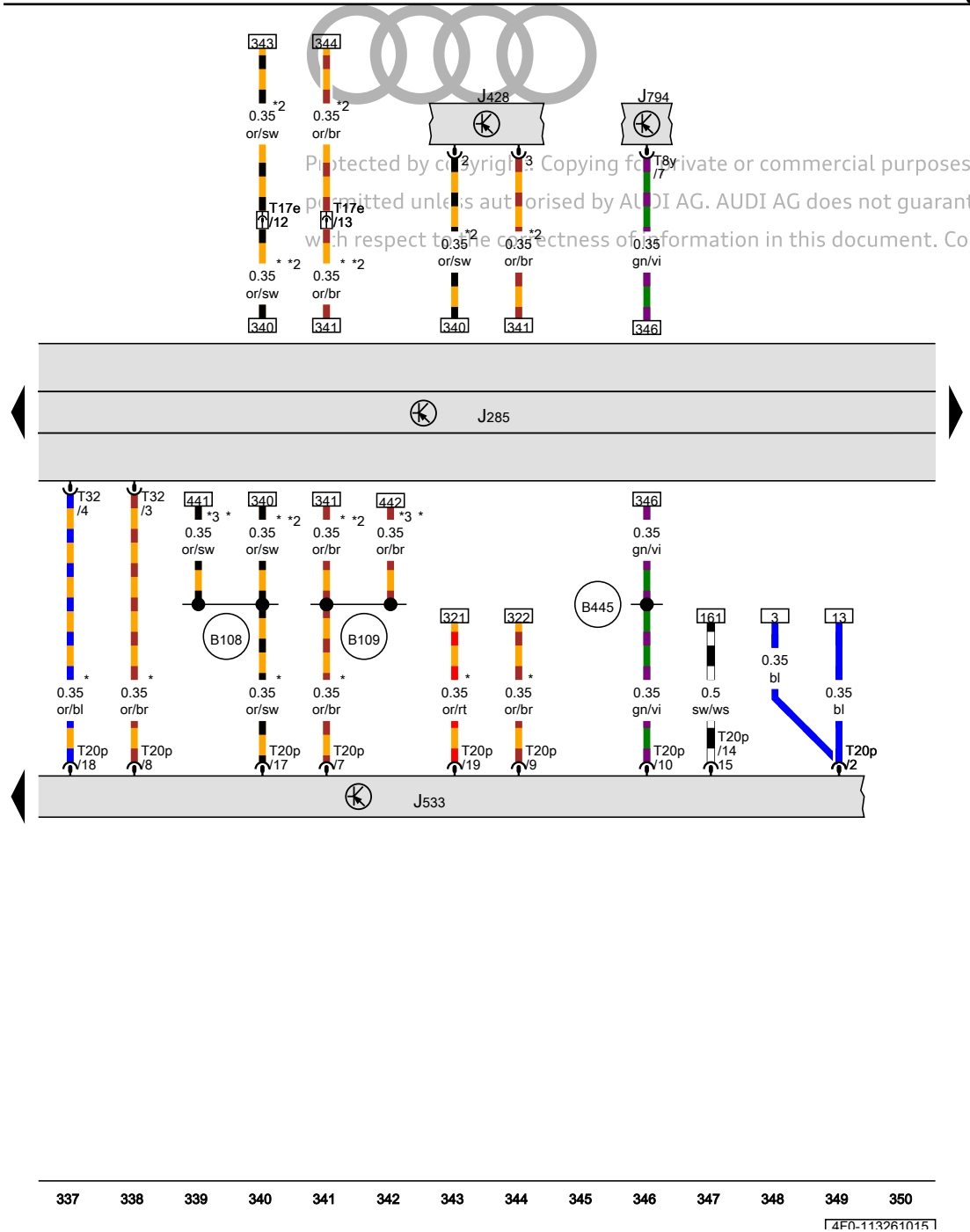
Control unit in dash panel insert, Data bus diagnostic interface

J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T46b	46-pin connector, right
Y24	Display in dash panel insert
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
B319	Positive connection 5 (30a) in main wiring harness
*	see applicable current flow diagram for CAN separating connector
*2	Wake-up wire
*3	Data bus wire (CAN bus)



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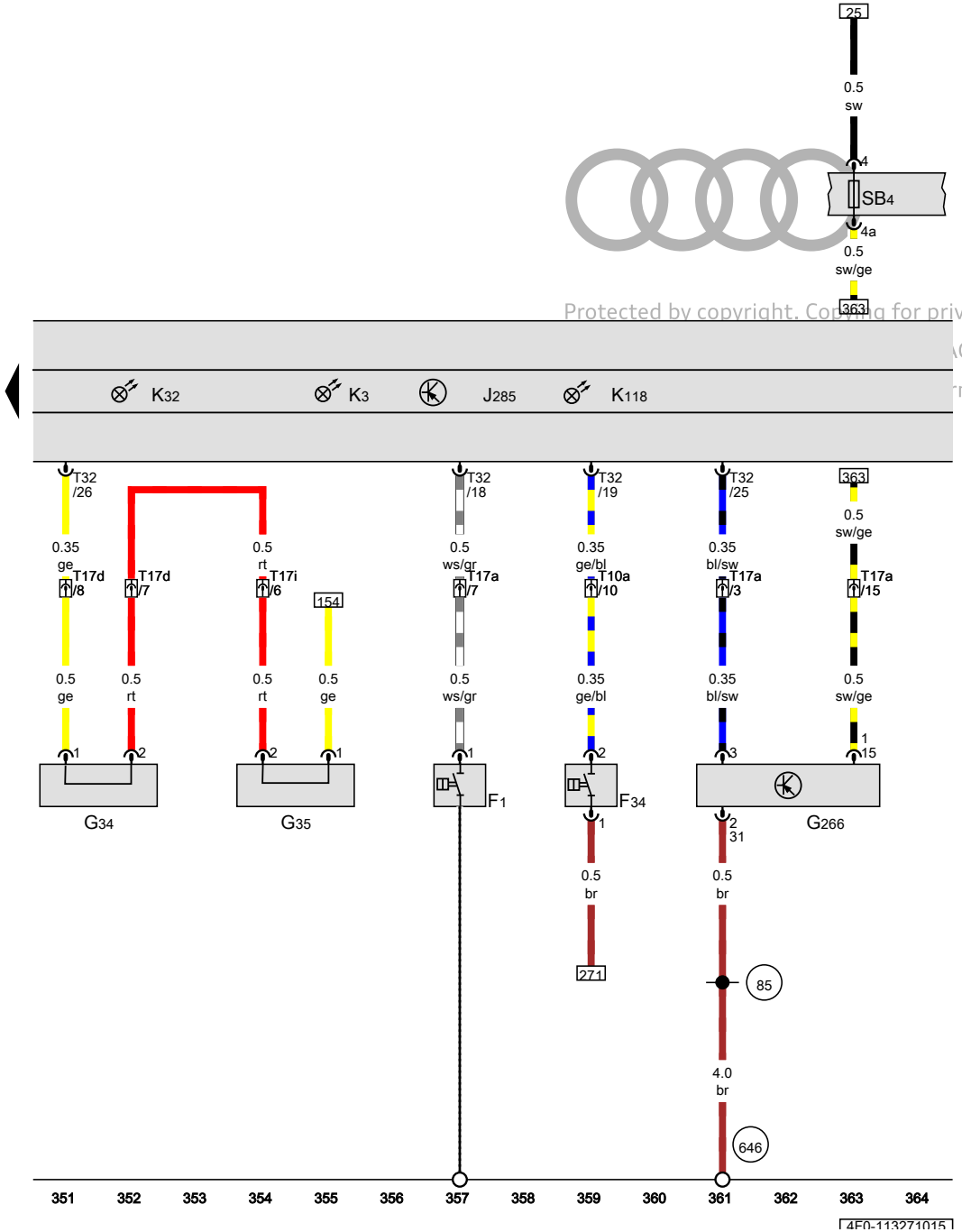


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Control unit in dash panel insert, Data bus diagnostic interface

J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J533	Data bus diagnostic interface
J794	Control unit 1 for information electronics
T8y	8-pin connector, brown
T17e	17-pin connector, red, in left A-pillar coupling station
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
B108	Connection 1 (CAN bus extended high), in main wiring harness
B109	Connection 1 (CAN bus extended low), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness
*	Data bus wire (CAN bus)
*2	Only models with adaptive cruise control (ACC)
*3	Only models with main beam assist

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rt	=	red
br	=	brown
gn	=	green
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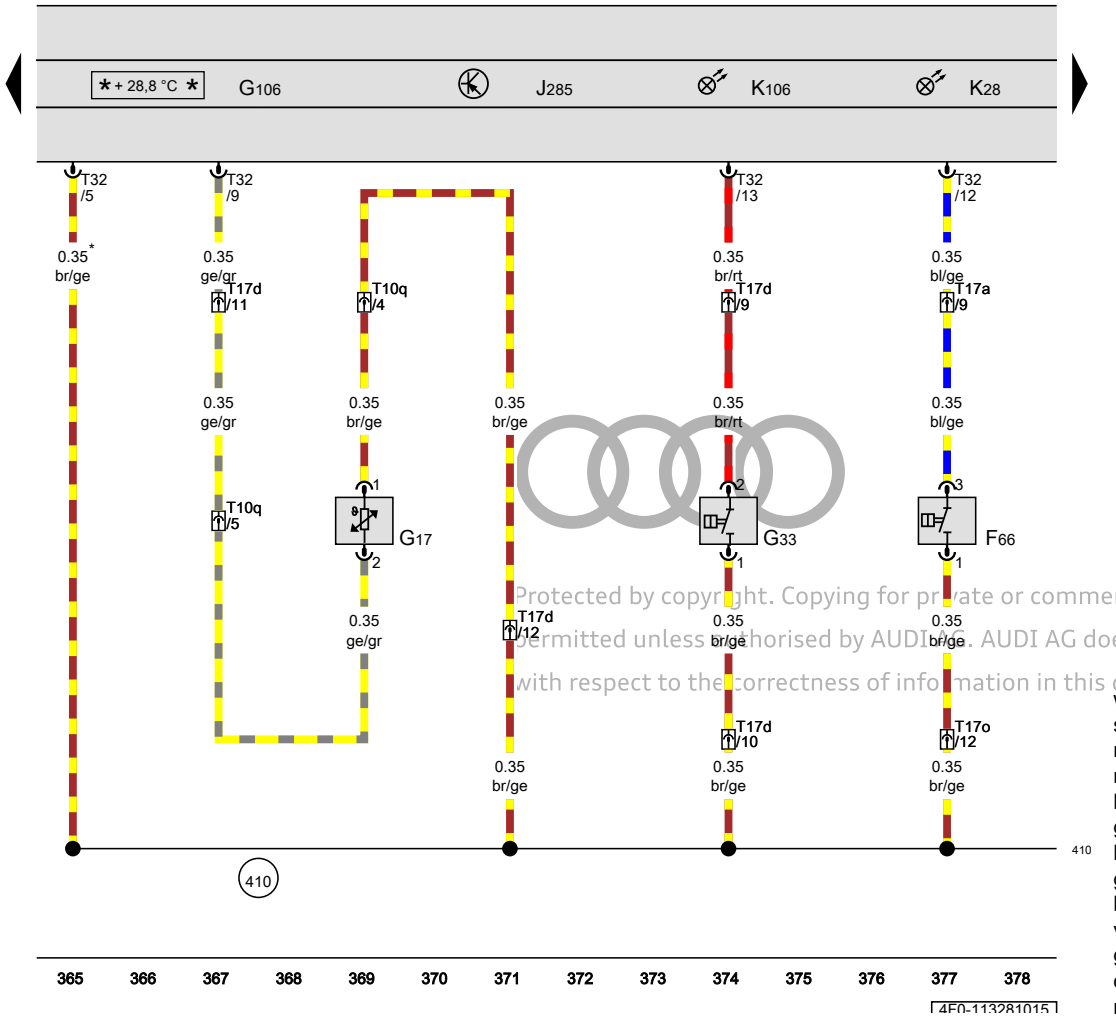
Oil pressure switch, Brake fluid level warning contact, Front left brake pad wear sender, Front right brake pad wear sender, Oil level and oil temperature sender, Control unit in dash panel insert

F1	Oil pressure switch
F34	Brake fluid level warning contact
G34	Front left brake pad wear sender
G35	Front right brake pad wear sender
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K32	Brake pad warning lamp
K118	Brake system warning lamp
SB4	Fuse 4 on fuse holder B
T10a	10-pin connector, purple, Coupling station, E-box on left in plenum chamber
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17d	17-pin connector, black, in left A-pillar coupling station
T17i	17-pin connector, red, in right A-pillar coupling station
T32	32-pin connector, grey, on dash panel insert
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead

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Coolant shortage indicator switch, Ambient temperature sensor, Windscreen washer fluid level sender, Control unit in dash panel insert

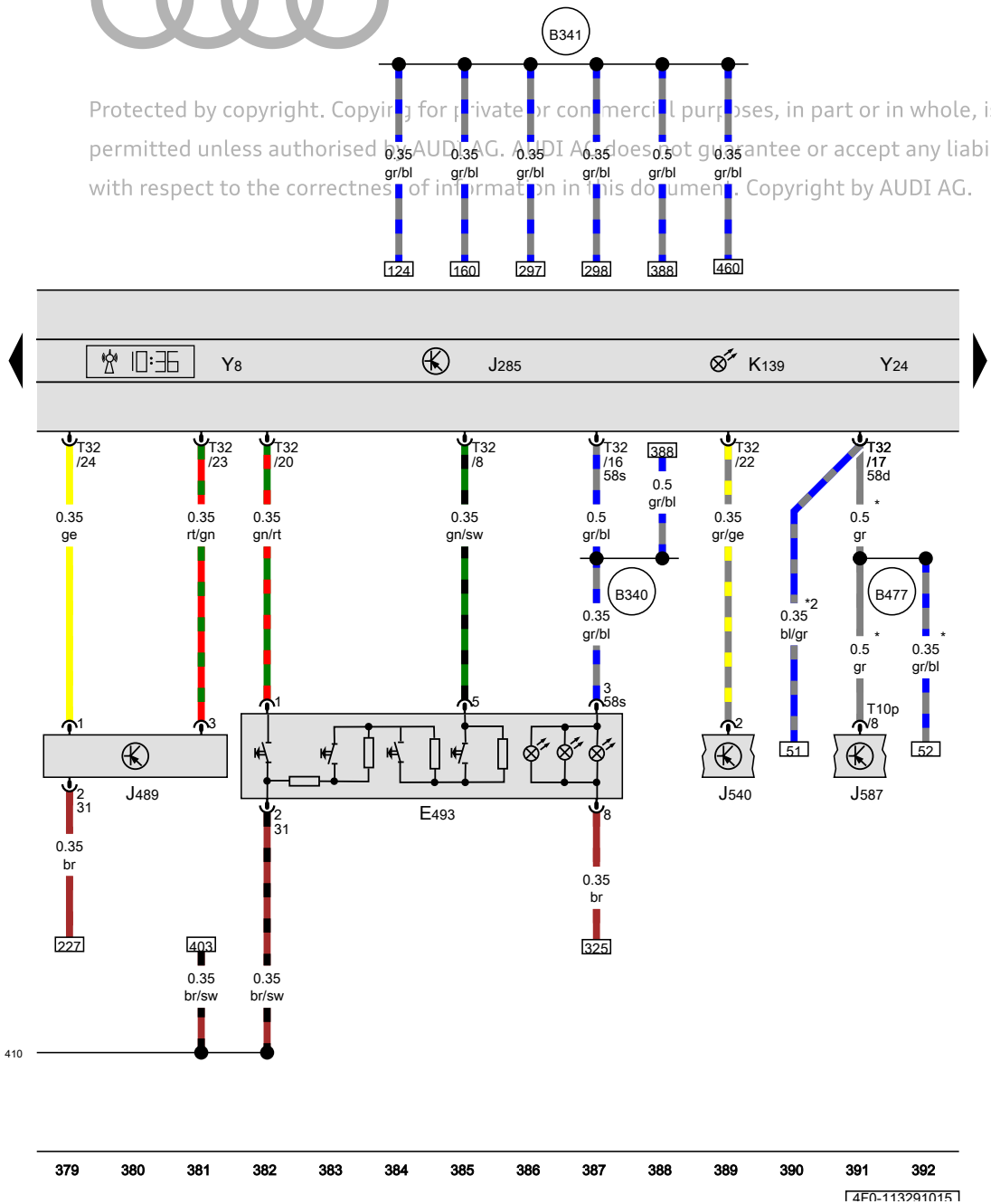
F66	Coolant shortage indicator switch
G17	Ambient temperature sensor
G33	Windscreen washer fluid level sender
G106	Ambient temperature indicator
J285	Control unit in dash panel insert
K28	Coolant temperature and coolant shortage warning lamp
K106	Washer fluid low warning lamp
T10q	10-pin connector, black, near left headlight
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17d	17-pin connector, black, in left A-pillar coupling station
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
410	Earth connection 1 (sender earth) in main wiring harness
*	Output for sender earth



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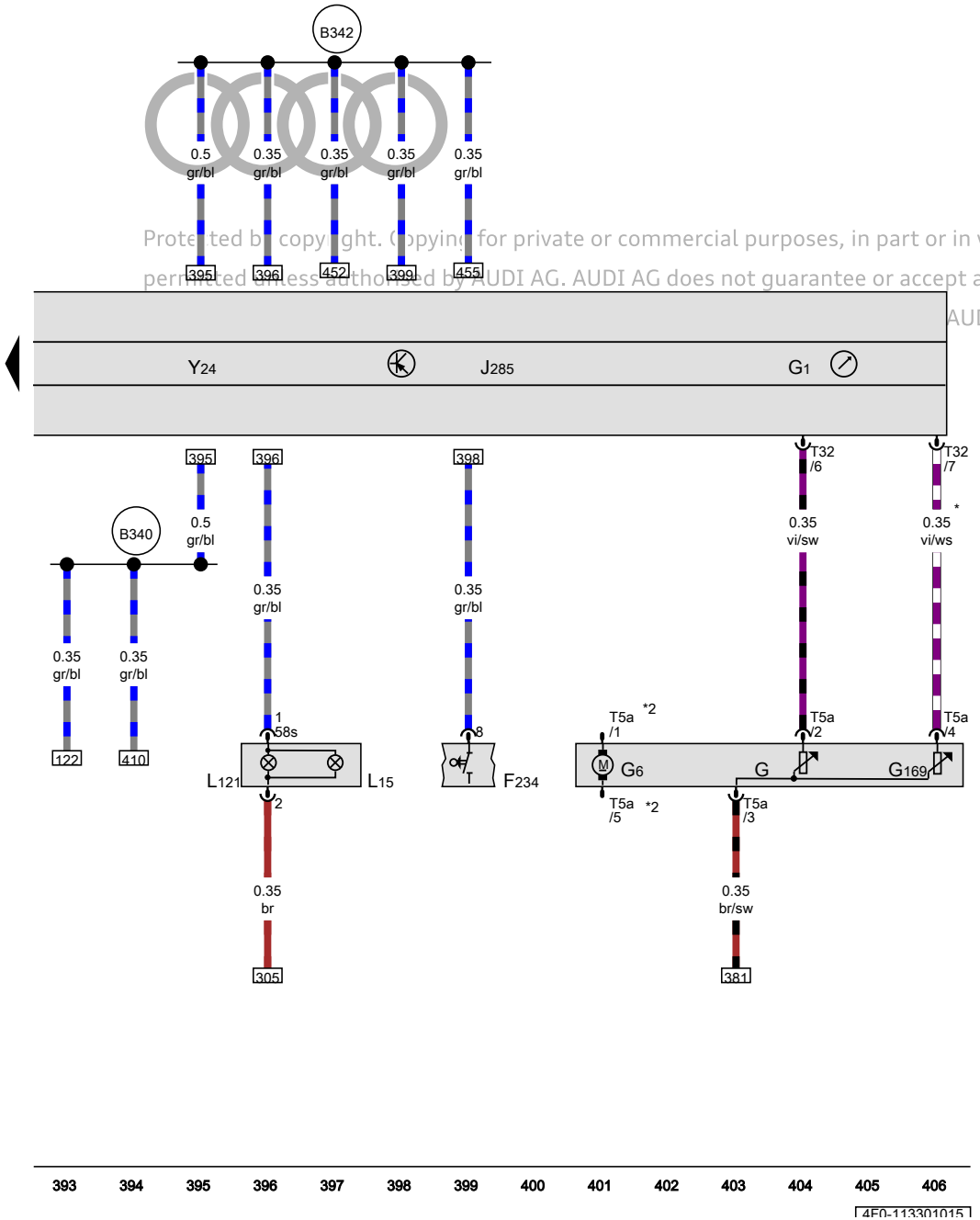
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vi = purple
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Dash panel insert operating buttons, Control unit in dash panel insert, Radio controlled clock receiver, Radio controlled clock

E493	Dash panel insert operating buttons
J285	Control unit in dash panel insert
J489	Radio controlled clock receiver
J540	Control unit for electromechanical parking brake
J587	Selector lever sensors control unit
K139	Handbrake warning lamp
T10p	10-pin connector, black, on selector lever sensors control unit
T32	32-pin connector, grey, on dash panel insert
Y8	Radio controlled clock
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth) in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B477	Connection 13, in main wiring harness
*	Only models with automatic gearbox
*2	Only models with manual gearbox



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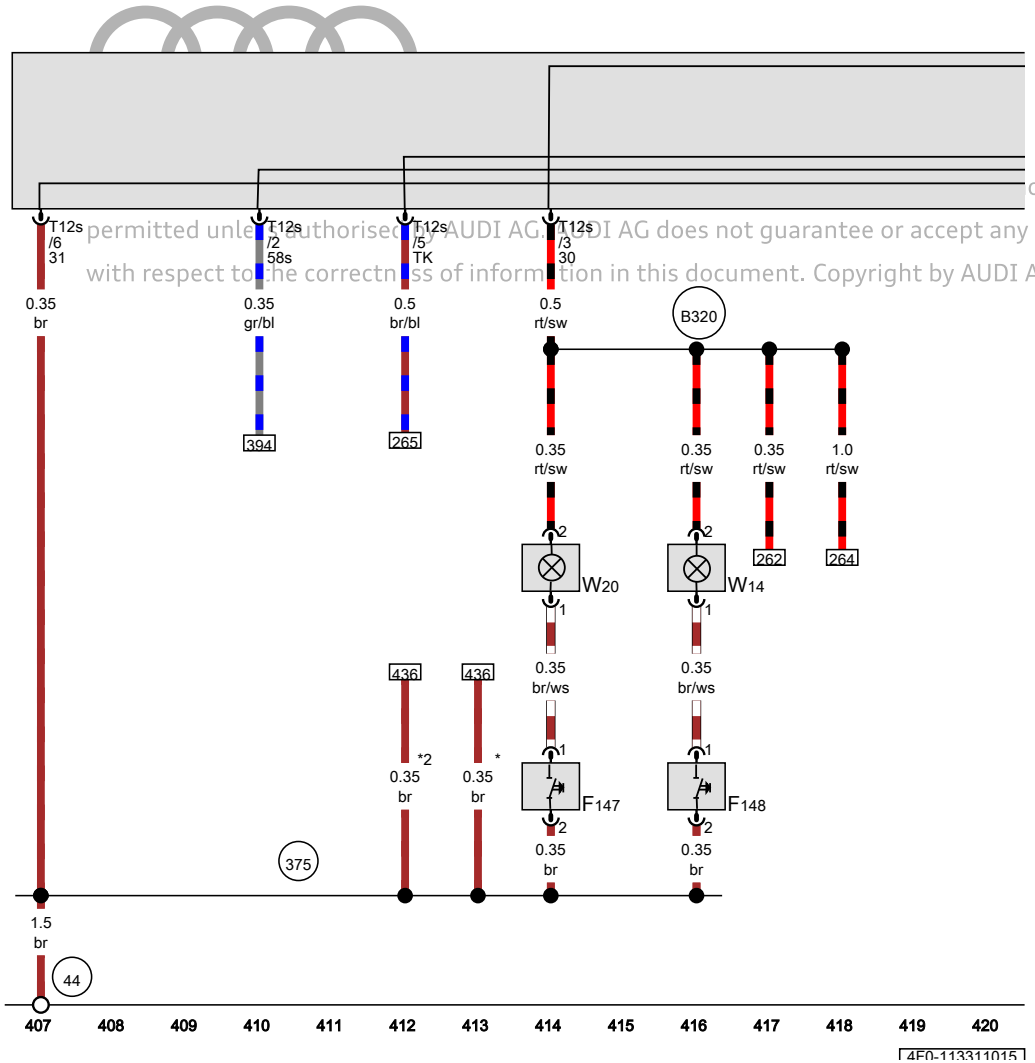
Fuel gauge sender, Fuel system pressurisation pump, Fuel gauge sender 2, Control unit in dash panel insert, Ashtray illumination bulb, Cup holder illumination bulb, Display in dash panel insert

F234	Parking brake pressure switch
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
L15	Ashtray illumination bulb
L121	Cup holder illumination bulb
T5a	5-pin connector, black, on fuel tank
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
B340	Connection 1 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
*	Only models with all-wheel drive
*2	Fuel pump connections, see applicable current flow diagram for engine

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rt	=	red
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Driver vanity mirror contact switch, Front passenger vanity mirror contact switch, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror

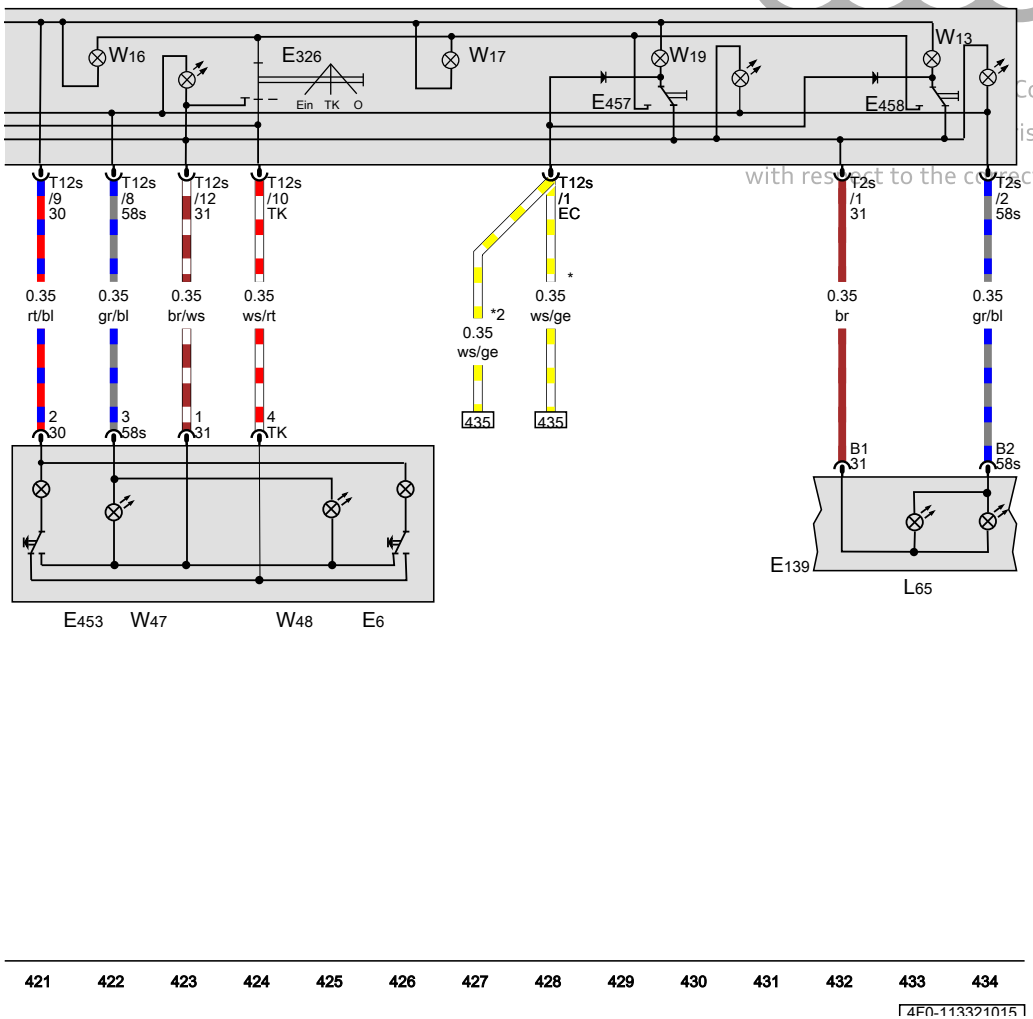
F147	Driver vanity mirror contact switch
F148	Front passenger vanity mirror contact switch
T12s	12-pin connector, black, on roof module
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
44	Earth point, lower part of left A-pillar
375	Earth connection 10, in main wiring harness
B320	Positive connection 6 (30a) in main wiring harness
*	Only models with main beam assist
*2	Only models with no main beam assist function



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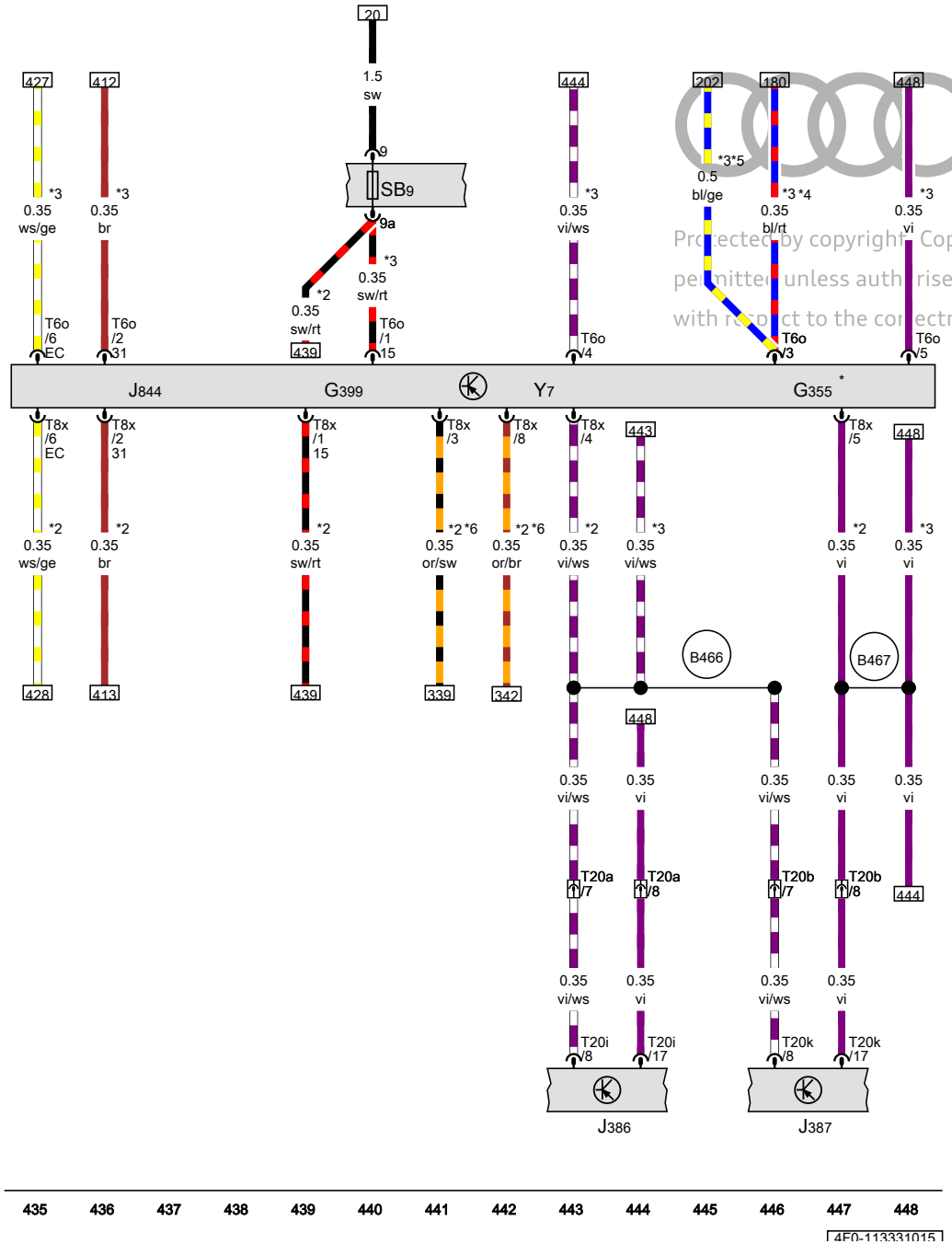
Sliding sunroof adjustment regulator, Rear left interior light switch 1, Driver side reading light button, Front passenger side reading light button, Front passenger reading light, Left interior light, Right interior light, Driver side reading light



E6	Interior light rear switch
E139	Sliding sunroof adjustment regulator
E326	Front interior light button
E453	Rear left interior light switch 1
E457	Driver side reading light button
E458	Front passenger side reading light button
L65	Sliding sunroof switch illumination bulb
T2s	2-pin connector, on roof module
T12s	12-pin connector, black, on roof module
W13	Front passenger reading light
W16	Left interior light
W17	Right interior light
W19	Driver side reading light
W47	Rear left interior light
W48	Rear right interior light
*	Only models with main beam assist
*2	Only models with no main beam assist function

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Humidity sender, Light sensor, Main beam assist control unit, Automatic anti-dazzle interior mirror

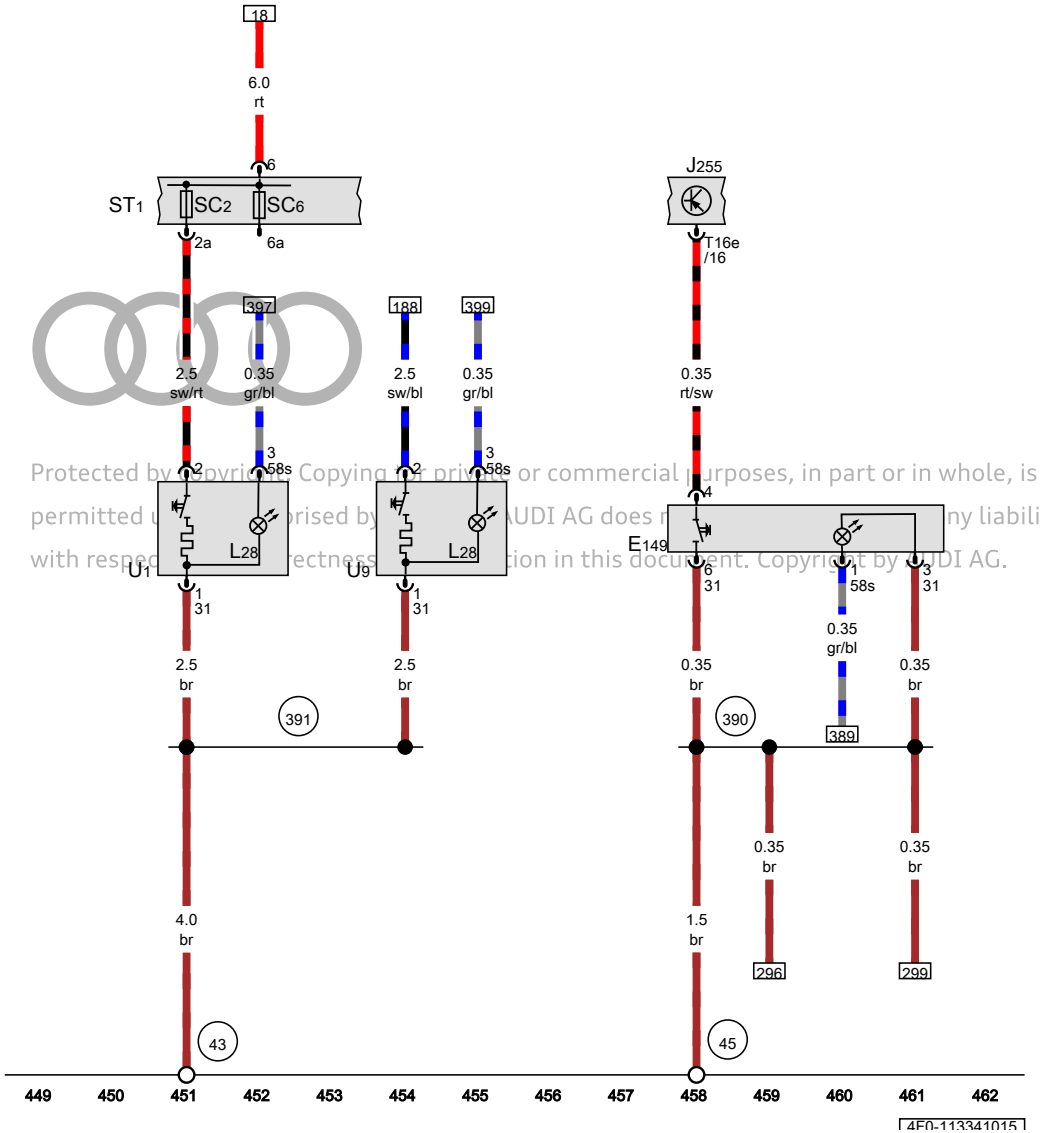
G355	Humidity sender
G399	Light sensor
J386	Driver door control unit
J387	Front passenger door control unit
J844	Main beam assist control unit
SB9	Fuse 9 on fuse holder B
T6o	6-pin connector, black, on roof module
T8x	8-pin connector, black, on roof module
T20a	20-pin connector, black, on left A-pillar
T20b	20-pin connector, black, on right A-pillar
T20i	20-pin connector, black, on driver door control unit
T20k	20-pin connector, black, on front passenger door control unit
Y7	Automatic anti-dazzle interior mirror
B466	Connection 2, in main wiring harness
B467	Connection 3, in main wiring harness
*	Only models with humidity sender
*2	Only models with main beam assist
*3	Only models with no main beam assist function
*4	Only models with manual gearbox
*5	see applicable current flow diagram for automatic gearbox
*6	Data bus wire (CAN bus)

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Rear roller blind switch, Cigarette lighter, Rear cigarette lighter

E149	Rear roller blind switch
J255	Climatronic control unit
L28	Cigarette lighter illumination bulb
ST1	Fuse carrier 1
SC2	Fuse 2 on fuse holder C
SC6	Fuse 6 on fuse holder C
T16e	16-pin connector, black, on Climatronic control unit
U1	Cigarette lighter
U9	Rear cigarette lighter
43	Earth point, lower part of right A-pillar
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
391	Earth connection 26, in main wiring harness



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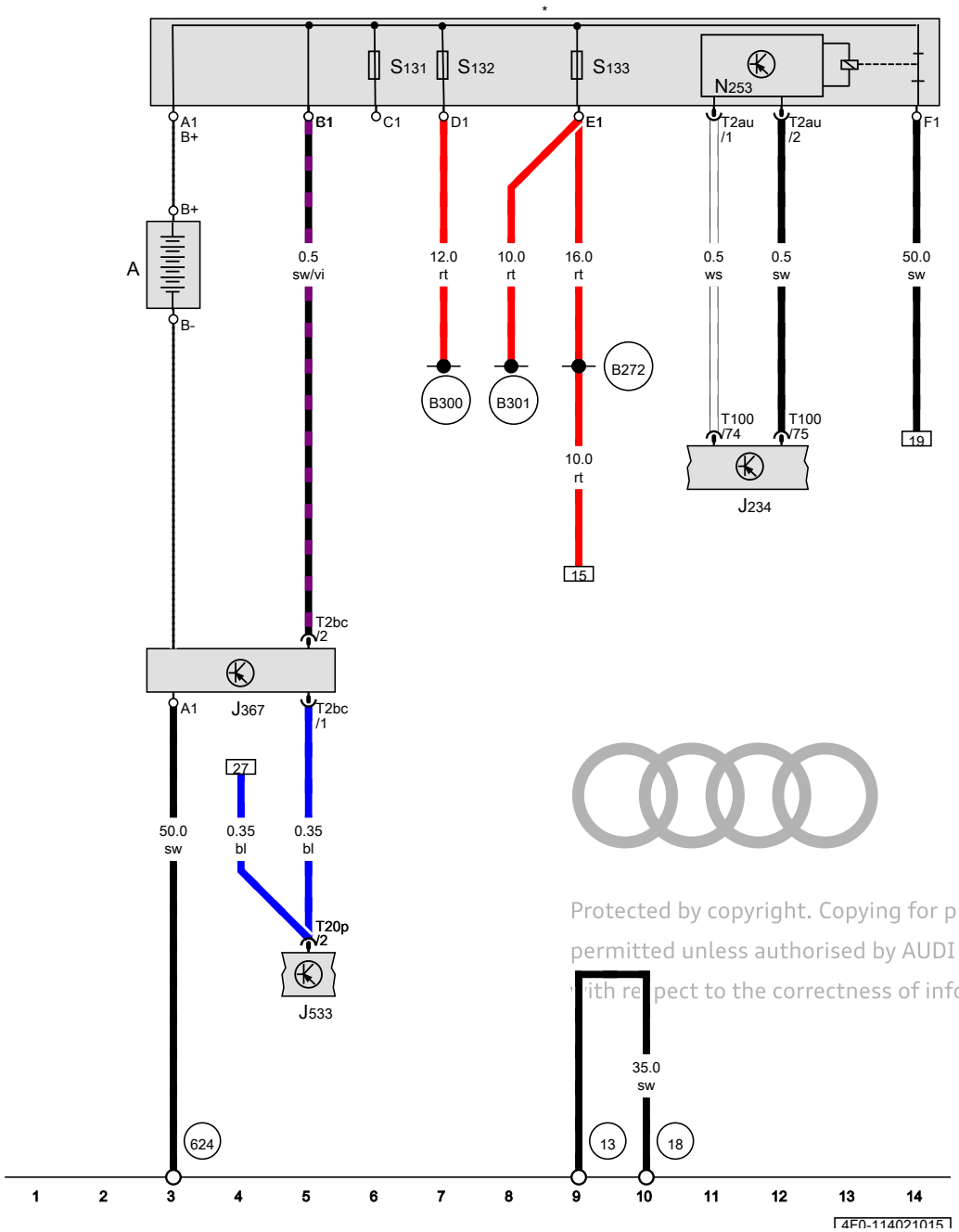
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2.0l diesel engine , CAGB,CAHA,CAHB

From September 2008

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Battery, Battery monitor control unit, Battery isolation igniter

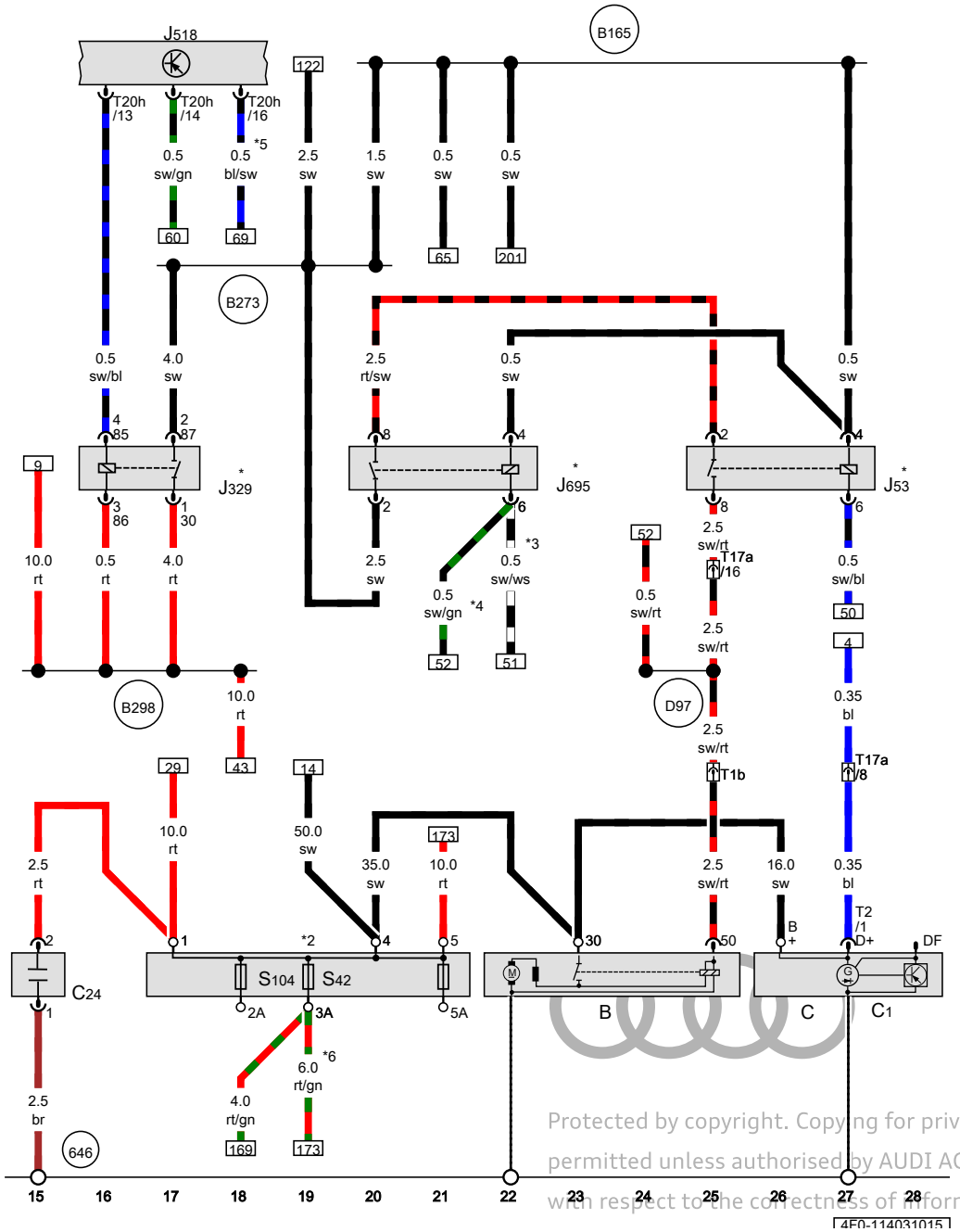


A	Battery
J234	Airbag control unit
J367	Battery monitor control unit
J533	Data bus diagnostic interface
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T2bc	2-pin connector, yellow, on battery monitor control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T100	100-pin connector, blue, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point, on cylinder block
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
*	Main fuse box, on battery on rear right in luggage compartment

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Starter, Alternator, Suppression filter, Starter motor relay, Terminal 15 voltage supply relay, Starter motor relay 2



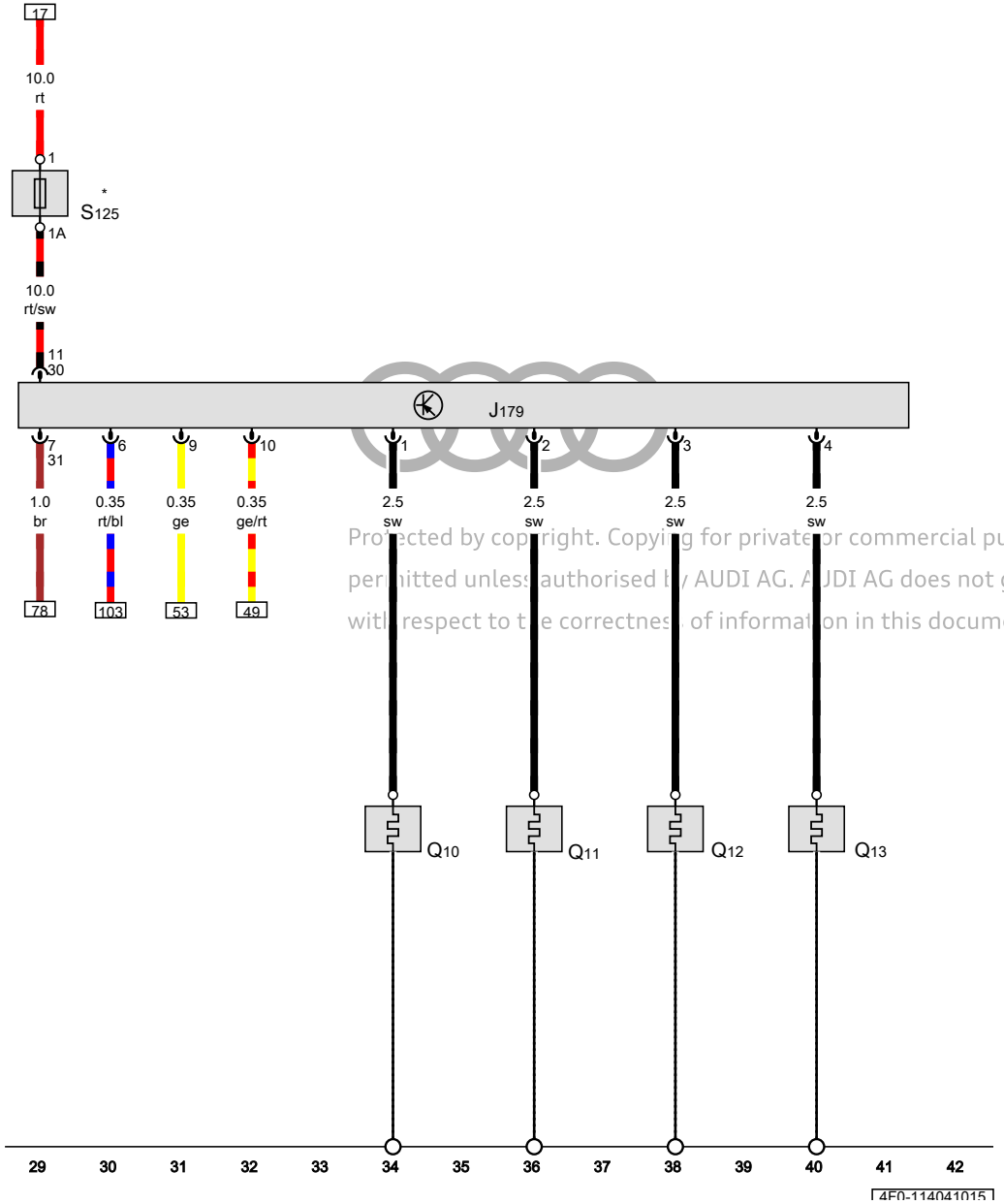
B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, front right in engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T20h	20-pin connector, black, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Relay and fuse carrier, on left behind dash panel
*2	Main fuse carrier, in E-box on right of plenum chamber
*3	Left-hand drive models
*4	Only right-hand drive models
*5	see applicable current flow diagram for automatic gearbox
*6	Heavy-duty cooling

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rt	=	red
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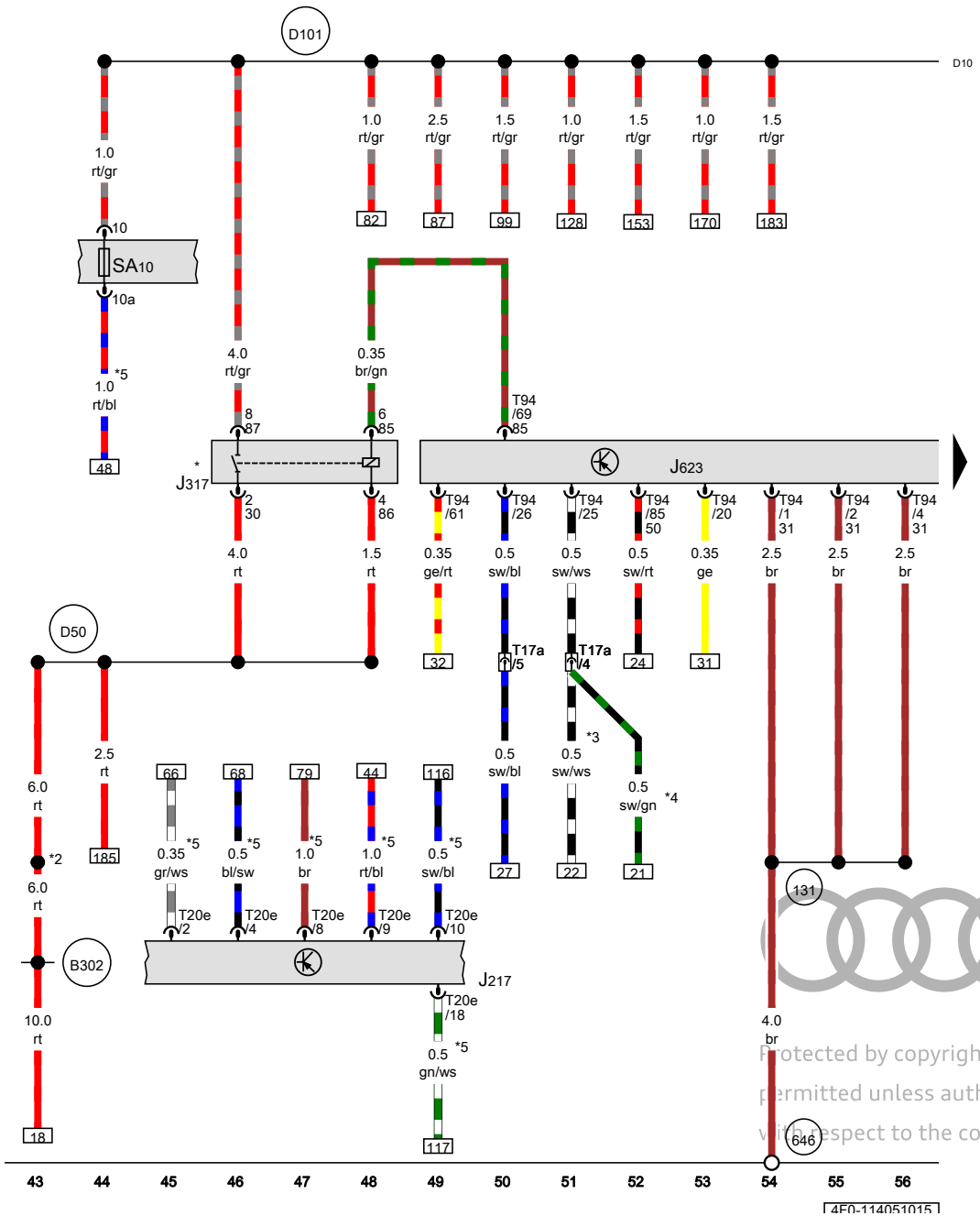
Automatic glow period control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Glow plug fuse

J179	Automatic glow period control unit
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
S125	Glow plug fuse
*	Main fuse carrier, in E-box on right of plenum chamber



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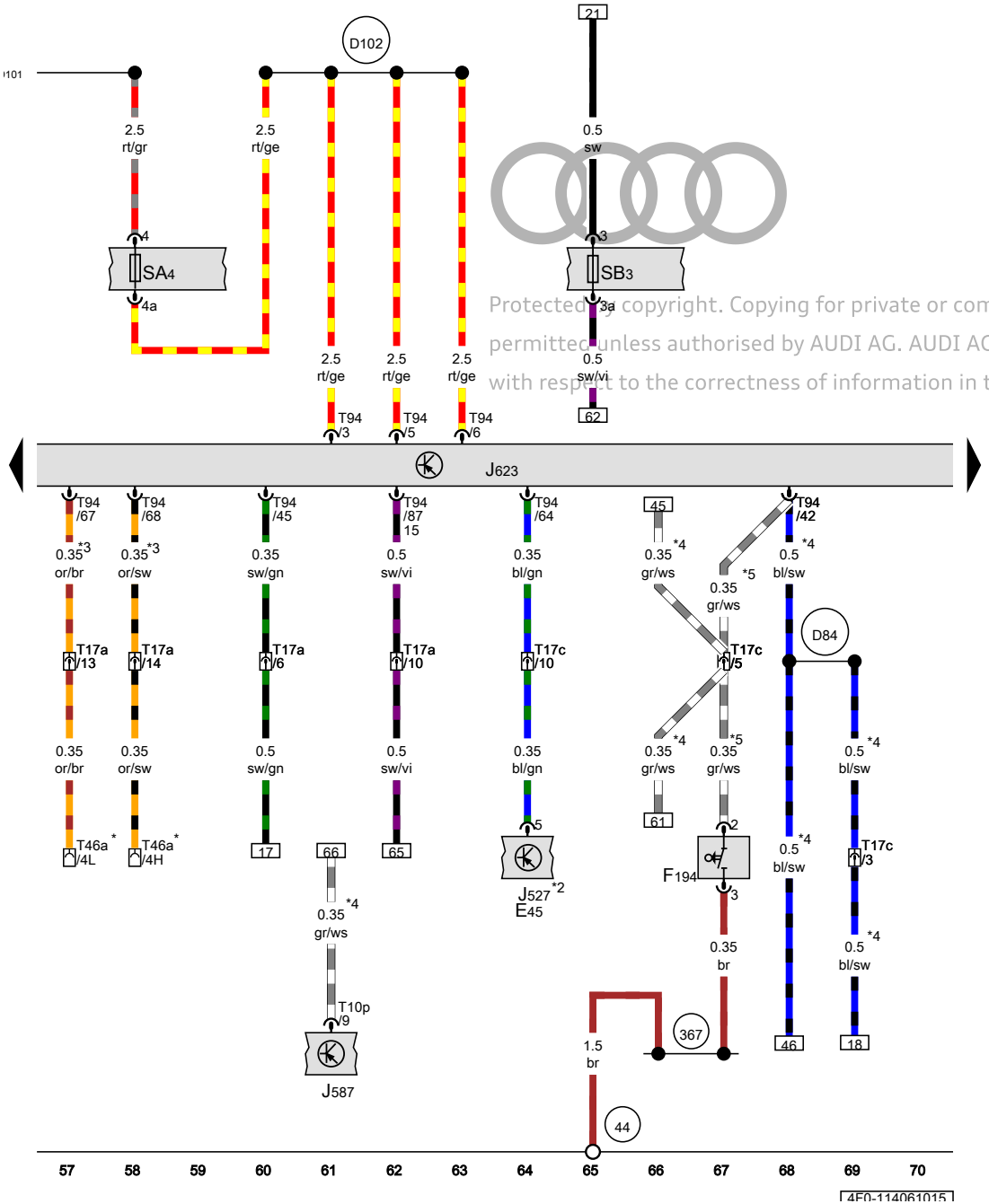
Automatic gearbox control unit, Terminal 30 voltage supply relay, Engine control unit

J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J623	Engine control unit
SA10	Fuse 10 in fuse holder A
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94	94-pin connector, black, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	Threaded connection, in E-box in plenum chamber
*3	Left-hand drive models
*4	Only right-hand drive models
*5	see applicable current flow diagram for automatic gearbox

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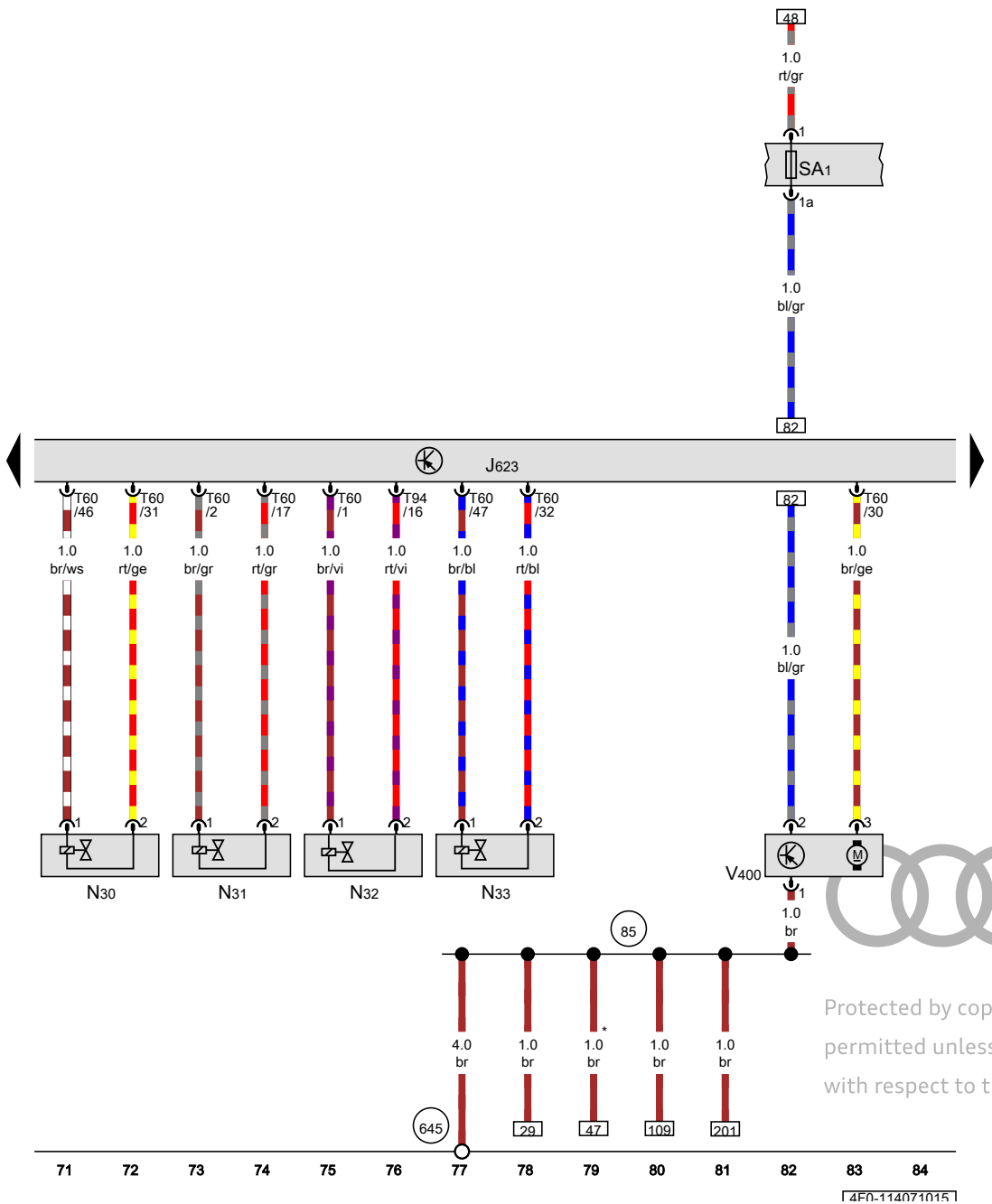
Clutch pedal switch for engine start, Engine control unit



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E45	Cruise control system switch
F194	Clutch pedal switch for engine start
J527	Steering column electronics control unit
J587	Selector lever sensors control unit
J623	Engine control unit
SB3	Fuse 3 on fuse holder B
SA4	Fuse 4 in fuse holder A
T10p	10-pin connector, black, on selector lever sensors control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T46a	46-pin connector, black, behind dash panel, left, near fuse holder
T94	94-pin connector, black, on engine control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness
*	see applicable current flow diagram for CAN separating connector
*2	Only models with cruise control system
*3	Data bus wire (CAN bus)
*4	see applicable current flow diagram for automatic gearbox
*5	Only models with manual gearbox

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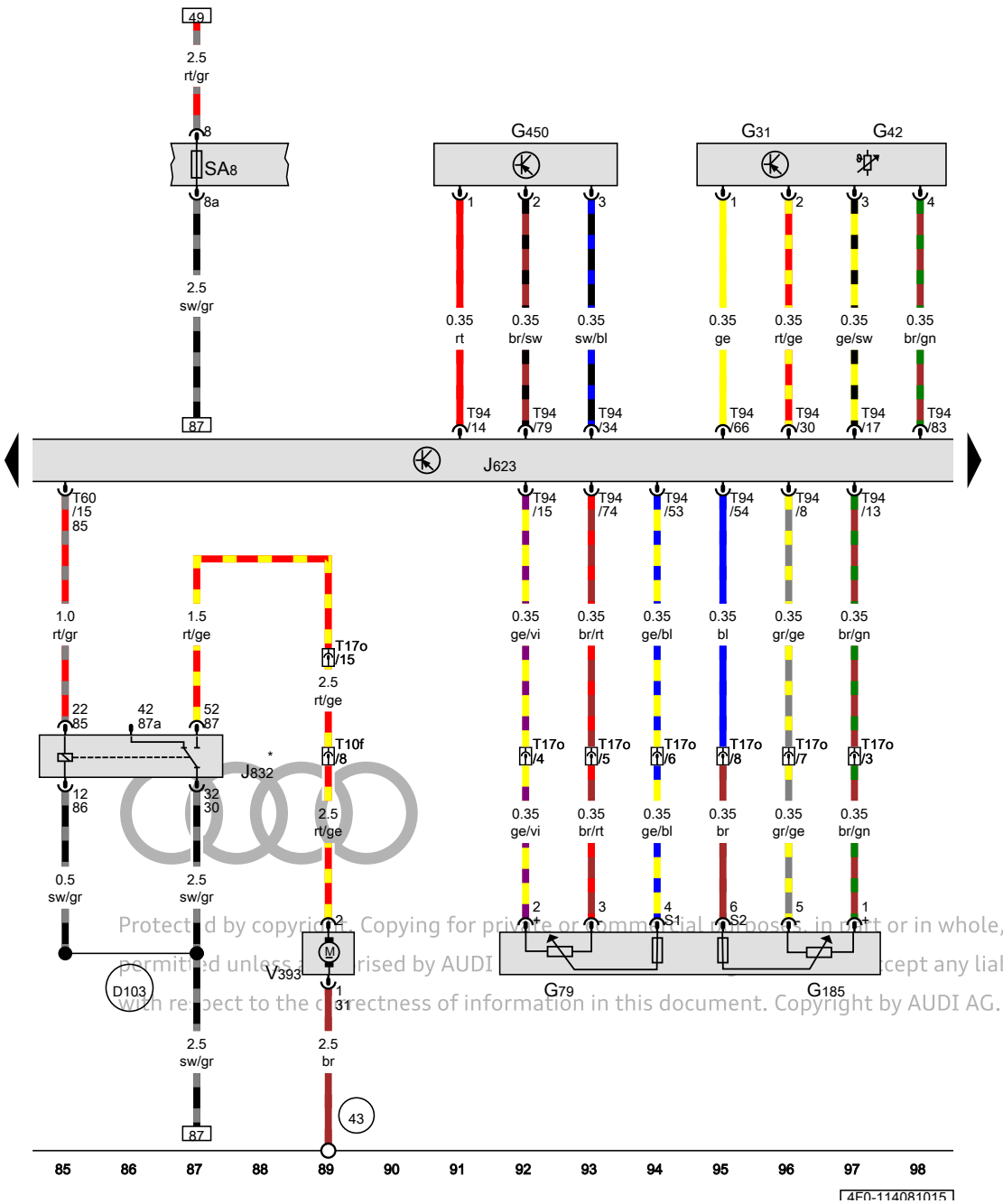


Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Pump for exhaust gas recirculation cooler

J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
SA1	Fuse 1 in fuse holder A
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
V400	Pump for exhaust gas recirculation cooler
85	Earth connection 1, in engine compartment wiring harness
645	Earth point 1, on bulkhead
*	see applicable current flow diagram for automatic gearbox

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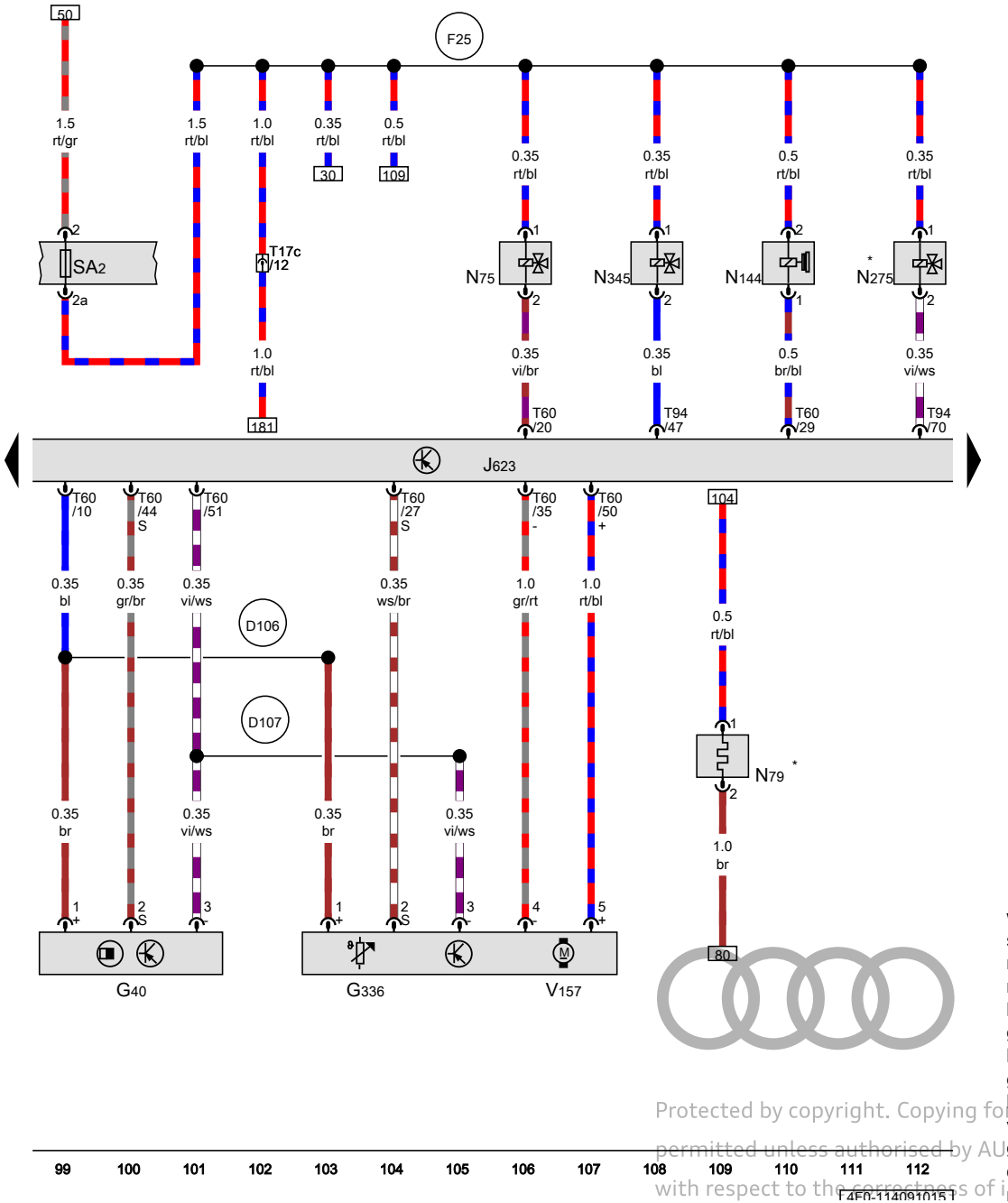


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Charge pressure sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Exhaust gas pressure sensor 1, Engine control unit, Relay for supplementary fuel pump, Supplementary fuel pump

G31	Charge pressure sender
G42	Intake air temperature sender
G79	Accelerator position sender
G185	Accelerator position sender 2
G450	Exhaust gas pressure sensor 1
J623	Engine control unit
J832	Relay for supplementary fuel pump
SA8	Fuse 8 in fuse holder A
T10f	10-pin connector, white, in right A-pillar coupling station
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
V393	Supplementary fuel pump
43	Earth point, lower part of right A-pillar
D103	Connection 3 in engine compartment wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber



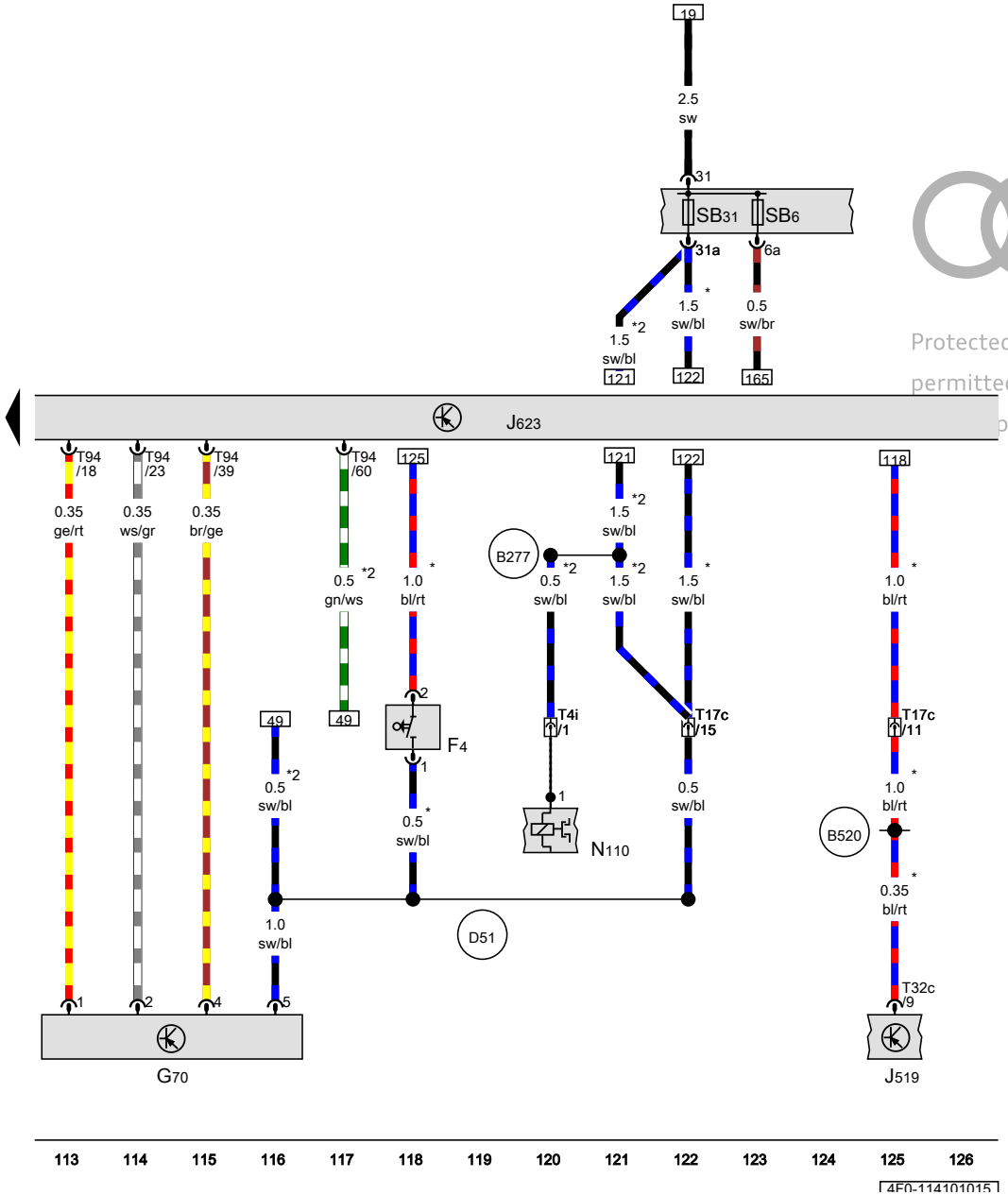
Hall sender, Intake manifold flap potentiometer, Engine control unit, Charge pressure control solenoid valve, Heater element for crankcase breather, Left electrohydraulic engine mounting solenoid valve, Air filter bypass flap valve, Exhaust gas recirculation cooler changeover valve, Intake manifold flap motor

G40	Hall sender
G336	Intake manifold flap potentiometer
J623	Engine control unit
N75	Charge pressure control solenoid valve
N79	Heater element for crankcase breather
N144	Left electrohydraulic engine mounting solenoid valve
N275	Air filter bypass flap valve
N345	Exhaust gas recirculation cooler changeover valve
SA2	Fuse 2 in fuse holder A
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
V157	Intake manifold flap motor
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness
F25	Connection 1, in diesel direct injection system wiring harness
*	Cold country version

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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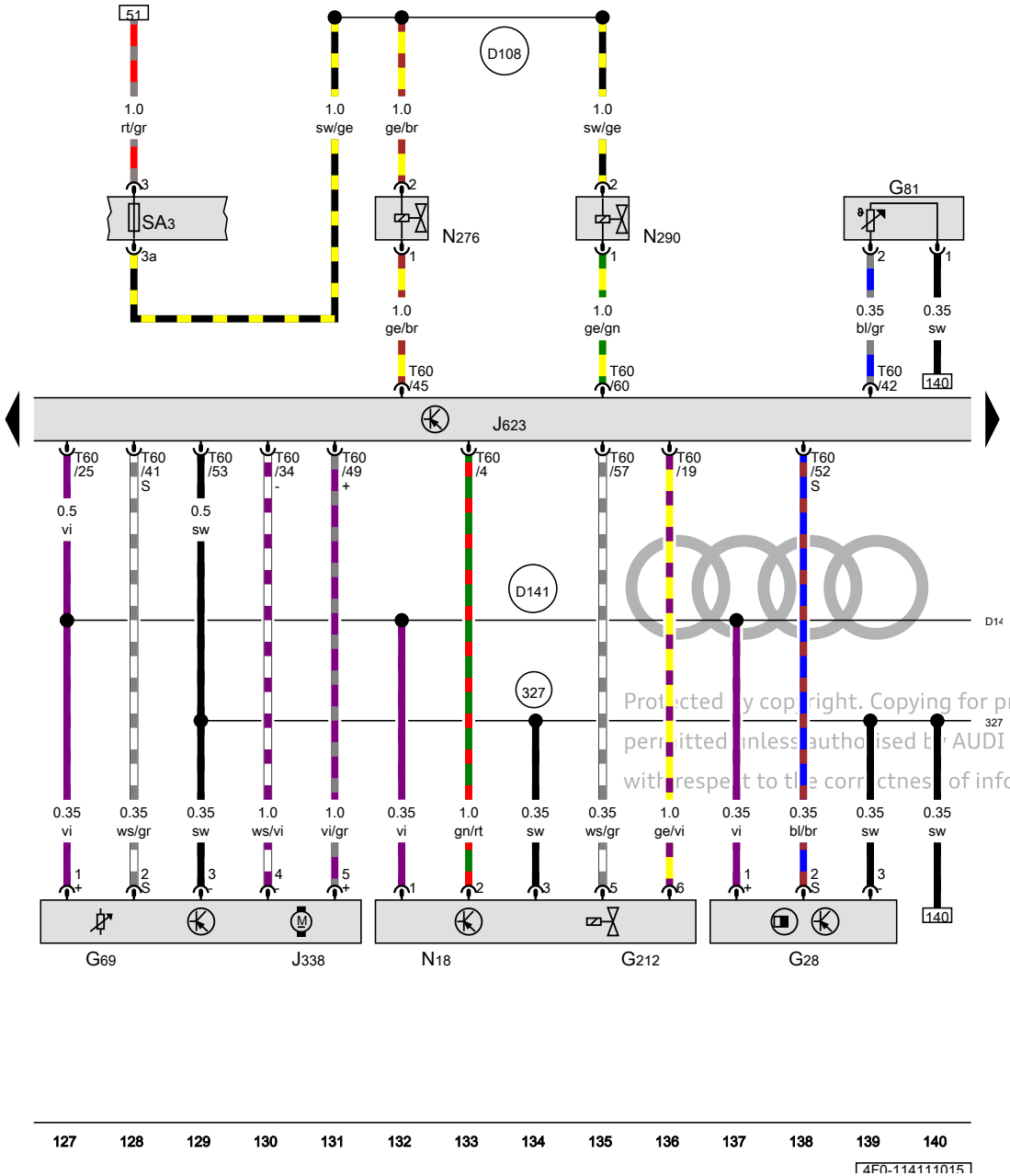
Reversing light switch, Air mass meter, Engine control unit



F4	Reversing light switch
G70	Air mass meter
J519	Onboard supply control unit
J623	Engine control unit
N110	Selector lever lock solenoid
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T4i	4-pin connector, black, in centre console, on selector lever bracket
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T32c	32-pin connector, white, on onboard supply control unit
T94	94-pin connector, black, on engine control unit
B277	Positive connection 1 (15a) in main wiring harness
B520	Connection (RL), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	Only models with manual gearbox
*2	see applicable current flow diagram for automatic gearbox

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

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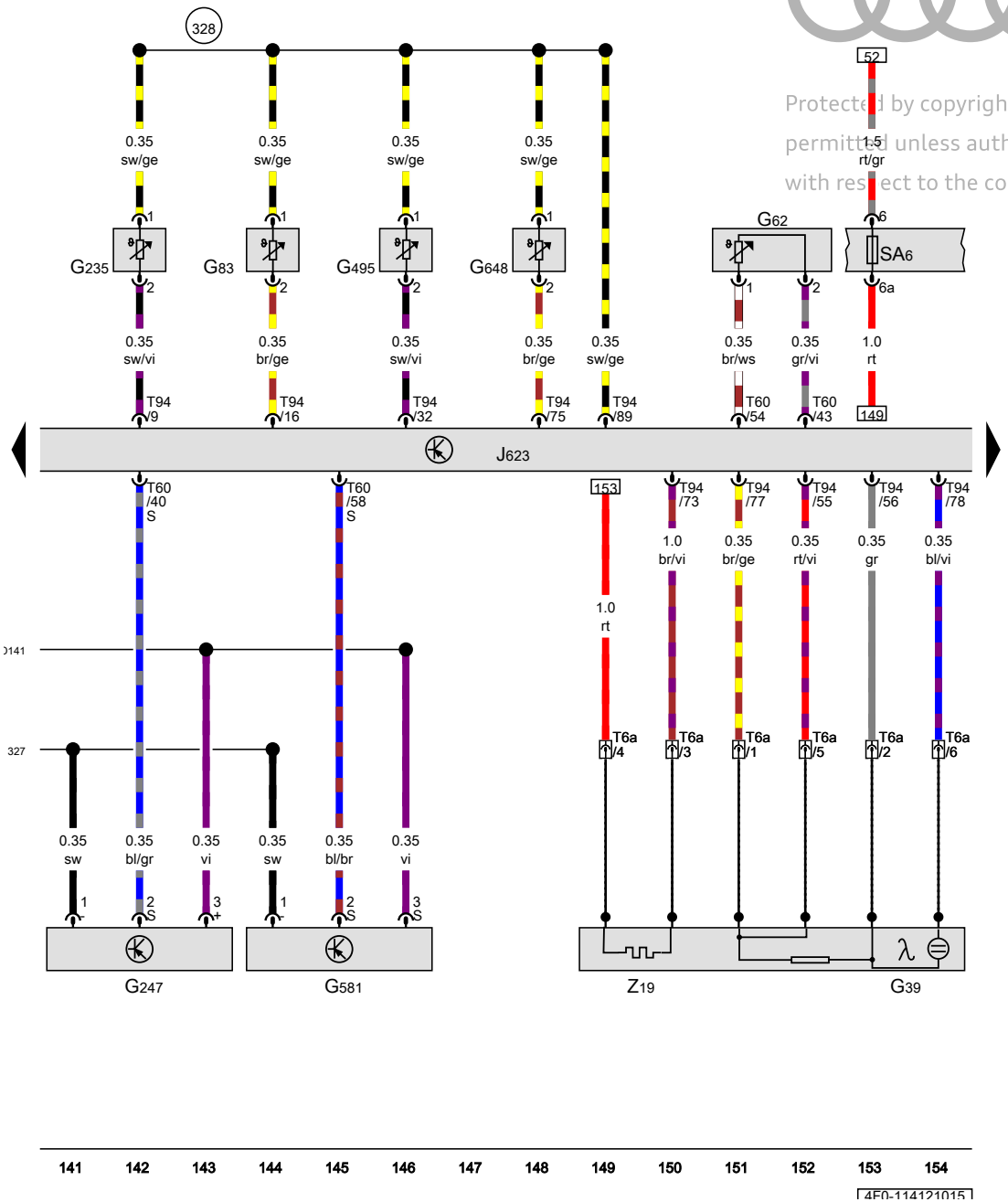


Engine speed sender, Throttle valve potentiometer, Fuel temperature sender, Exhaust gas recirculation potentiometer, Throttle valve module, Engine control unit, Exhaust gas recirculation valve, Fuel pressure regulating valve, Fuel metering valve

G28	Engine speed sender
G69	Throttle valve potentiometer
G81	Fuel temperature sender
G212	Exhaust gas recirculation potentiometer
J338	Throttle valve module
J623	Engine control unit
N18	Exhaust gas recirculation valve
N276	Fuel pressure regulating valve
N290	Fuel metering valve
SA3	Fuse 3 in fuse holder A
T60	60-pin connector, black, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness
D141	Connection (5V) in engine prewiring 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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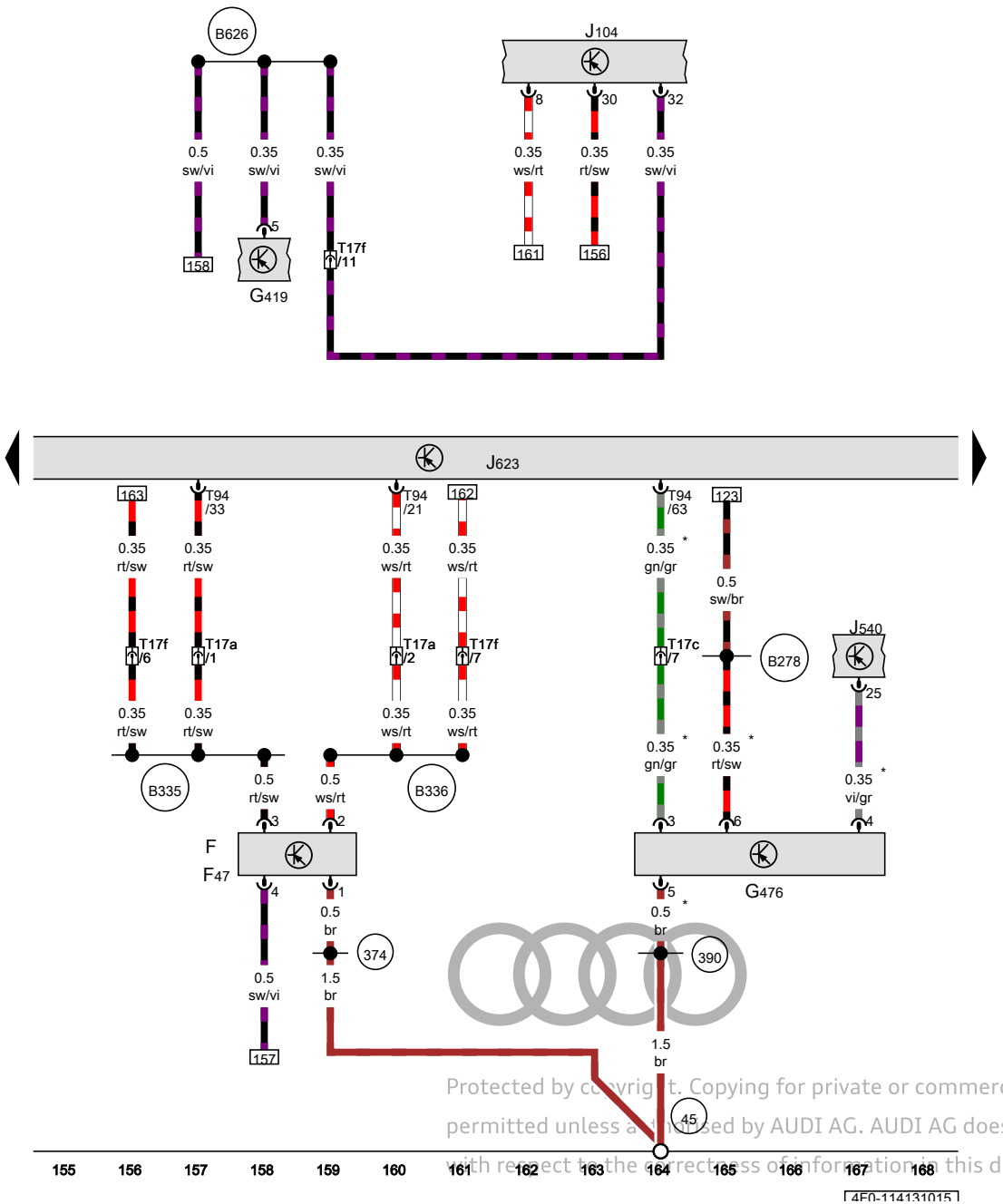


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Lambda probe, Coolant temperature sender, Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Fuel pressure sender, Exhaust gas temperature sender 3, Position sender for charge pressure positioner, Exhaust gas temperature sender 4, Engine control unit

G39	Lambda probe
G62	Coolant temperature sender
G83	Radiator outlet coolant temperature sender
G235	Exhaust gas temperature sender 1
G247	Fuel pressure sender
G495	Exhaust gas temperature sender 3
G581	Position sender for charge pressure positioner
G648	Exhaust gas temperature sender 4
J623	Engine control unit
SA6	Fuse 6 in fuse holder A
T6a	6-pin connector, black, on Lambda probe before catalytic converter
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
Z19	Lambda probe heater
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D141	Connection (5V) in engine prewiring harness

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

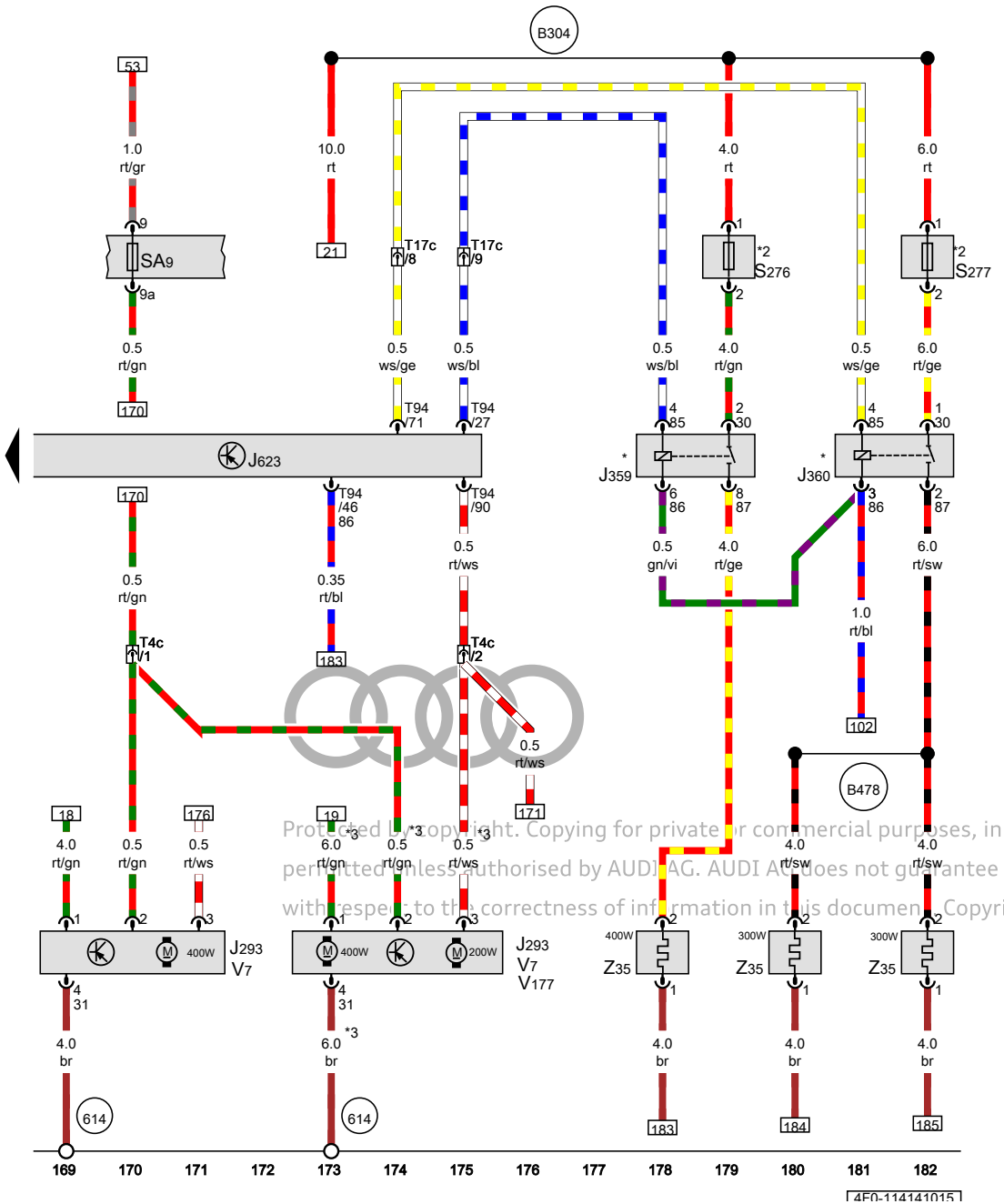


Brake light switch, Brake pedal switch, Clutch position sender, Control unit for electromechanical parking brake, Engine control unit

F	Brake light switch
F47	Brake pedal switch
G419	Sensor unit for electronic stabilisation program
G476	Clutch position sender
J104	ABS control unit
J540	Control unit for electromechanical parking brake
J623	Engine control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T17f	17-pin connector, green, in left A-pillar coupling station
T94	94-pin connector, black, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a) in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
*	Only 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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or	=	orange
rs	=	pink

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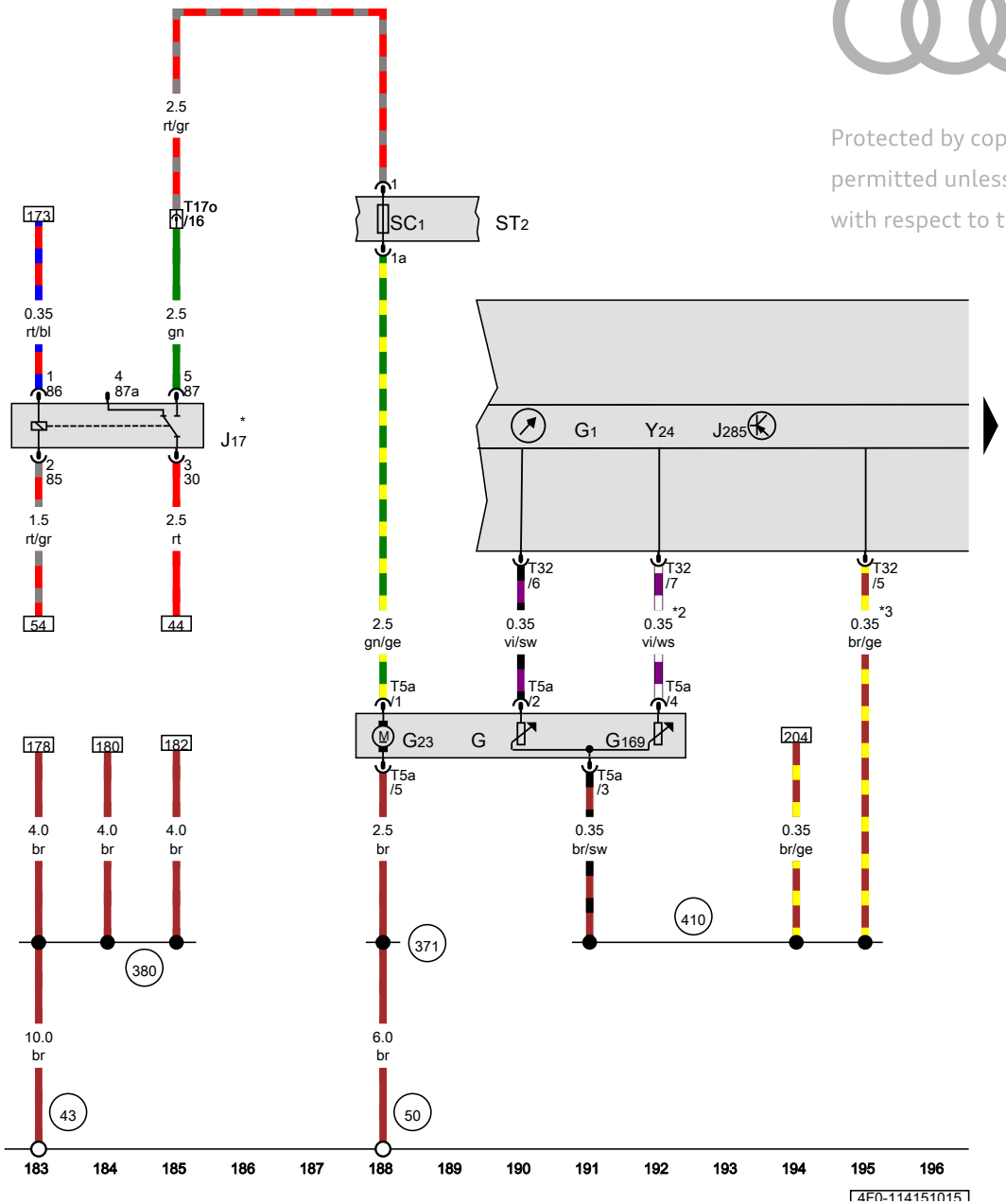


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Radiator fan control unit, Low heat output relay, High heat output relay, Engine control unit, Radiator fan, Radiator fan 2, Auxiliary air heater element

J293	Radiator fan control unit
J359	Low heat output relay
J360	High heat output relay
J623	Engine control unit
SA9	Fuse 9 in fuse holder A
S276	Heater element fuse 1
S277	Heater element fuse 2
T4c	4-pin connector, black, Coupling station, E-box on right in plenum chamber, Radiator fan connection
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T94	94-pin connector, black, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
Z35	Auxiliary air heater element
614	Earth point 2, on right in engine compartment
B304	Positive connection 8 (30), in main wiring harness
B478	Connection 14, in main wiring harness
*	Relay carrier on left under dash panel
*2	Fuses on bottom of onboard supply control unit
*3	Heavy-duty cooling

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

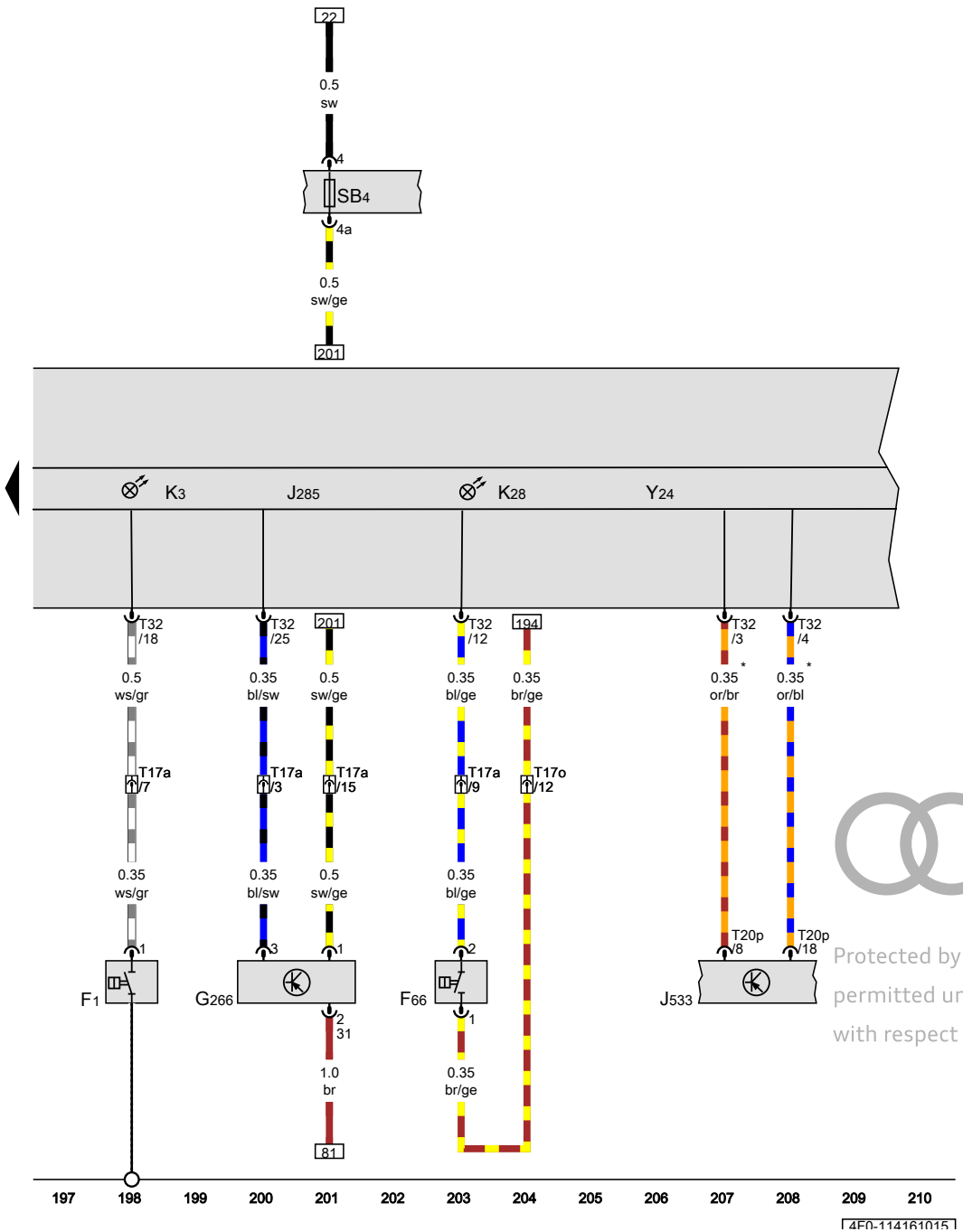


ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Fuel gauge sender, Fuel gauge, Fuel pump, Fuel gauge sender 2, Fuel pump relay, Control unit in dash panel insert, Display in dash panel insert

G	Fuel gauge sender
G1	Fuel gauge
G23	Fuel pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
SC1	Fuse 1 on fuse holder C
ST2	Fuse carrier 2
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
43	Earth point, lower part of right A-pillar
50	Earth point, on left in luggage compartment
371	Earth connection 6, in main wiring harness
380	Earth connection 15, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	Only models with all-wheel drive
*3	Output for sender earth

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Oil pressure switch, Coolant shortage indicator switch, Oil level and oil temperature sender, Control unit in dash panel insert, Oil pressure warning lamp, Coolant temperature and coolant shortage warning lamp, Display in dash panel insert

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
*	Data bus wire (CAN bus)

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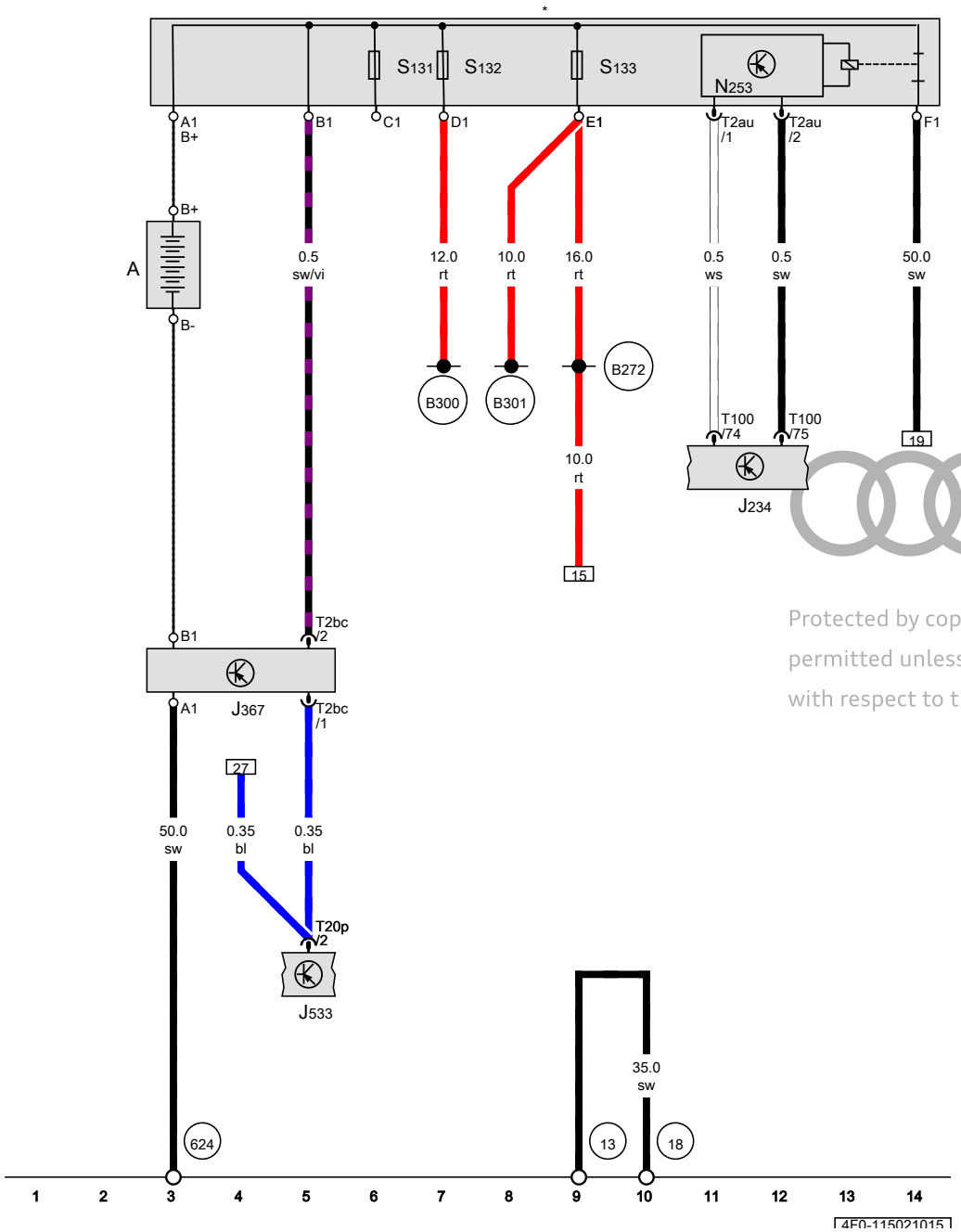
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gr	=	grey
li	=	purple
vi	=	purple
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rs	=	pink

6-cylinder diesel engine , CANA,CANB,CANC,CAND,CDYA,CDYB,CDYC

From September 2008

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Battery, Battery monitor control unit, Battery isolation igniter

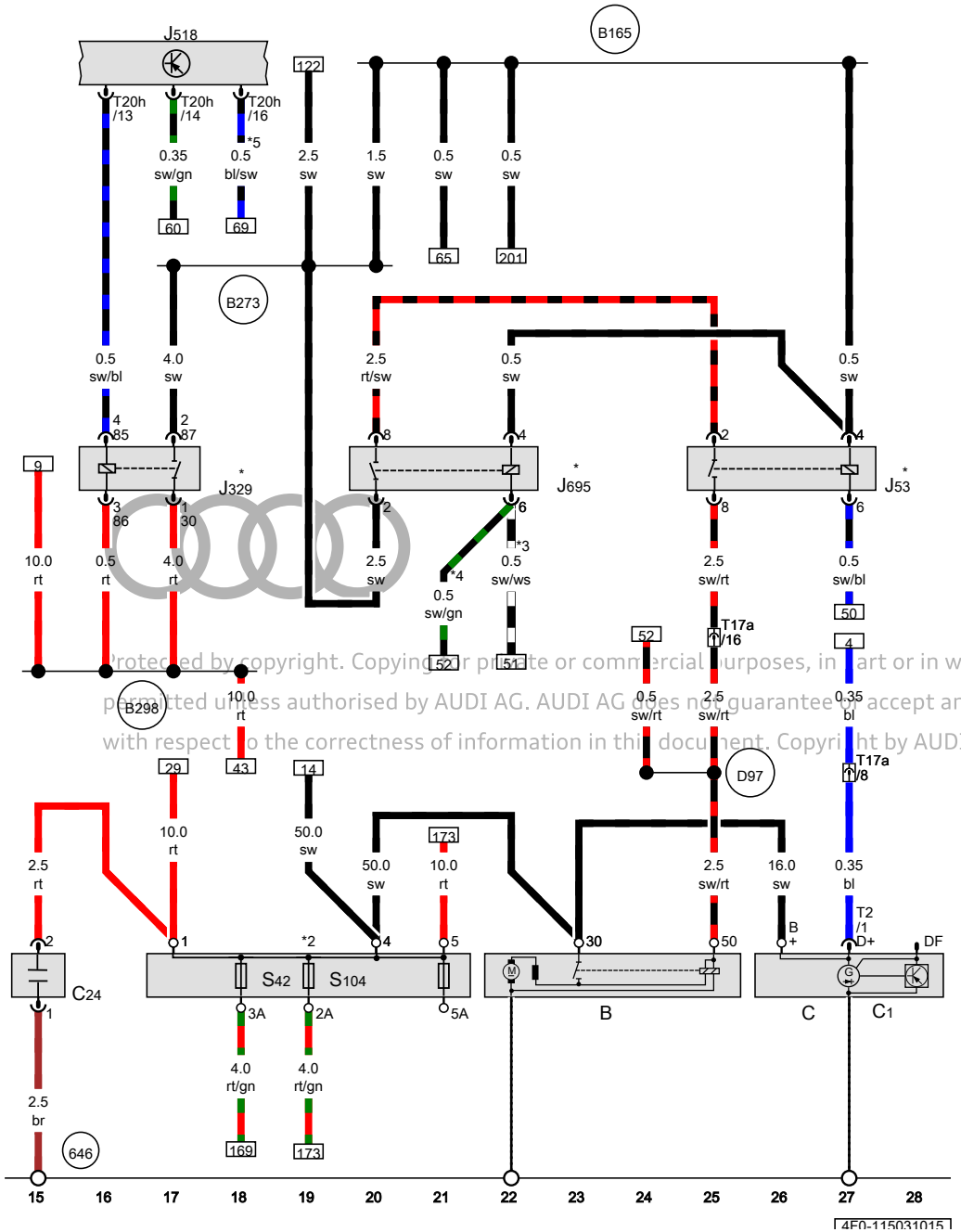


A	Battery
J234	Airbag control unit
J367	Battery monitor control unit
J533	Data bus diagnostic interface
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T2bc	2-pin connector, yellow, on battery monitor control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T100	100-pin connector, blue, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point, on cylinder block
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
*	Main fuse box, on battery on rear right in luggage compartment

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ro	=	red
rt	=	red
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gn	=	green
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gr	=	grey
li	=	purple
vi	=	purple
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rs	=	pink

Starter, Alternator, Suppression filter, Starter motor relay, Terminal 15 voltage supply relay, Starter motor relay 2



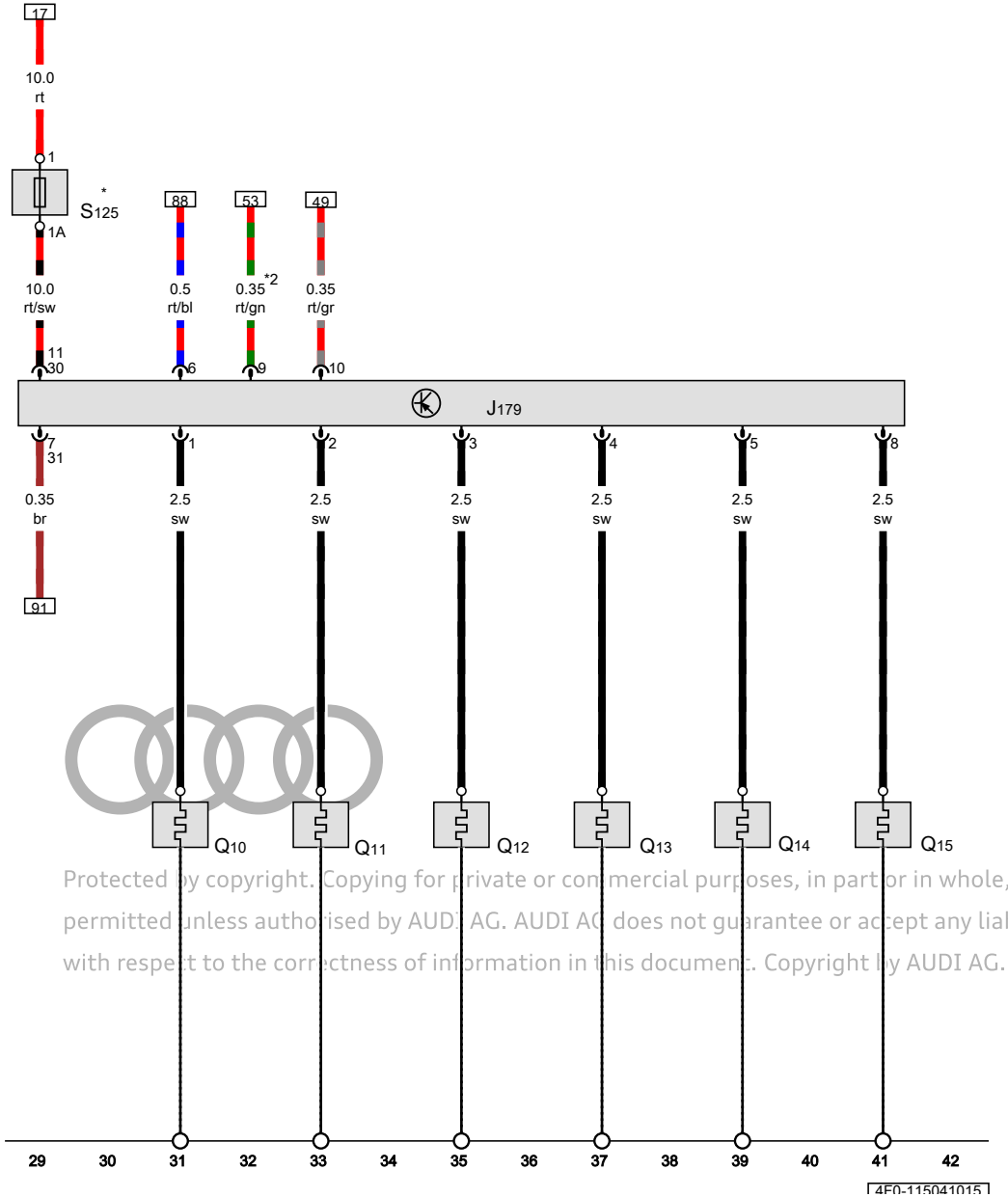
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B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T20h	20-pin connector, black, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Relay and fuse carrier, on left behind dash panel
*2	Main fuse carrier, in E-box on right of plenum chamber
*3	Left-hand drive models
*4	Only right-hand drive models
*5	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
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ge	=	yellow
or	=	orange
rs	=	pink

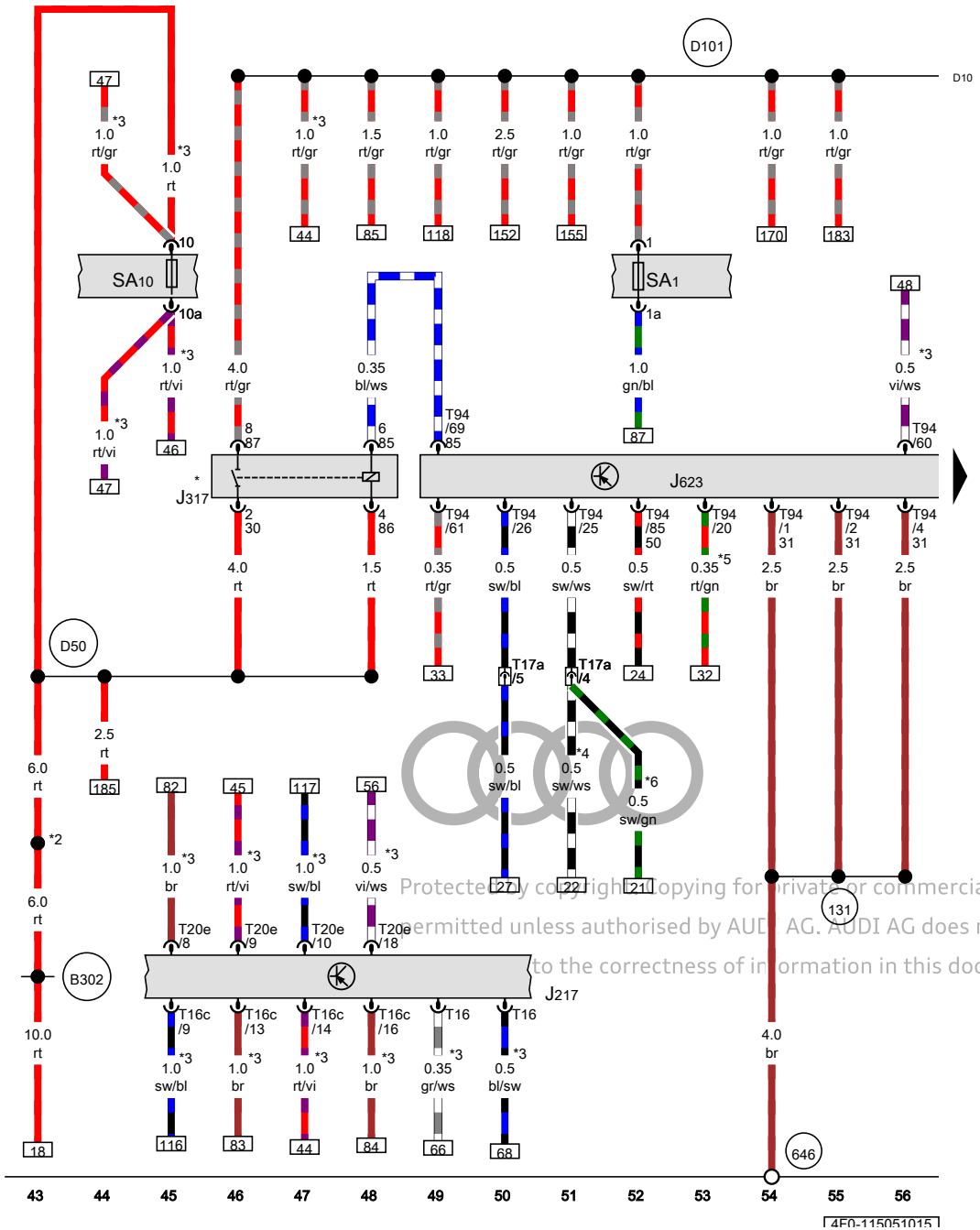
Automatic glow period control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Glow plug 5, Glow plug 6, Glow plug fuse

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
S125	Glow plug fuse
*	Main fuse carrier, in E-box on right of plenum chamber
*2	see applicable current flow diagram for engine



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ge	=	yellow
or	=	orange
rs	=	pink



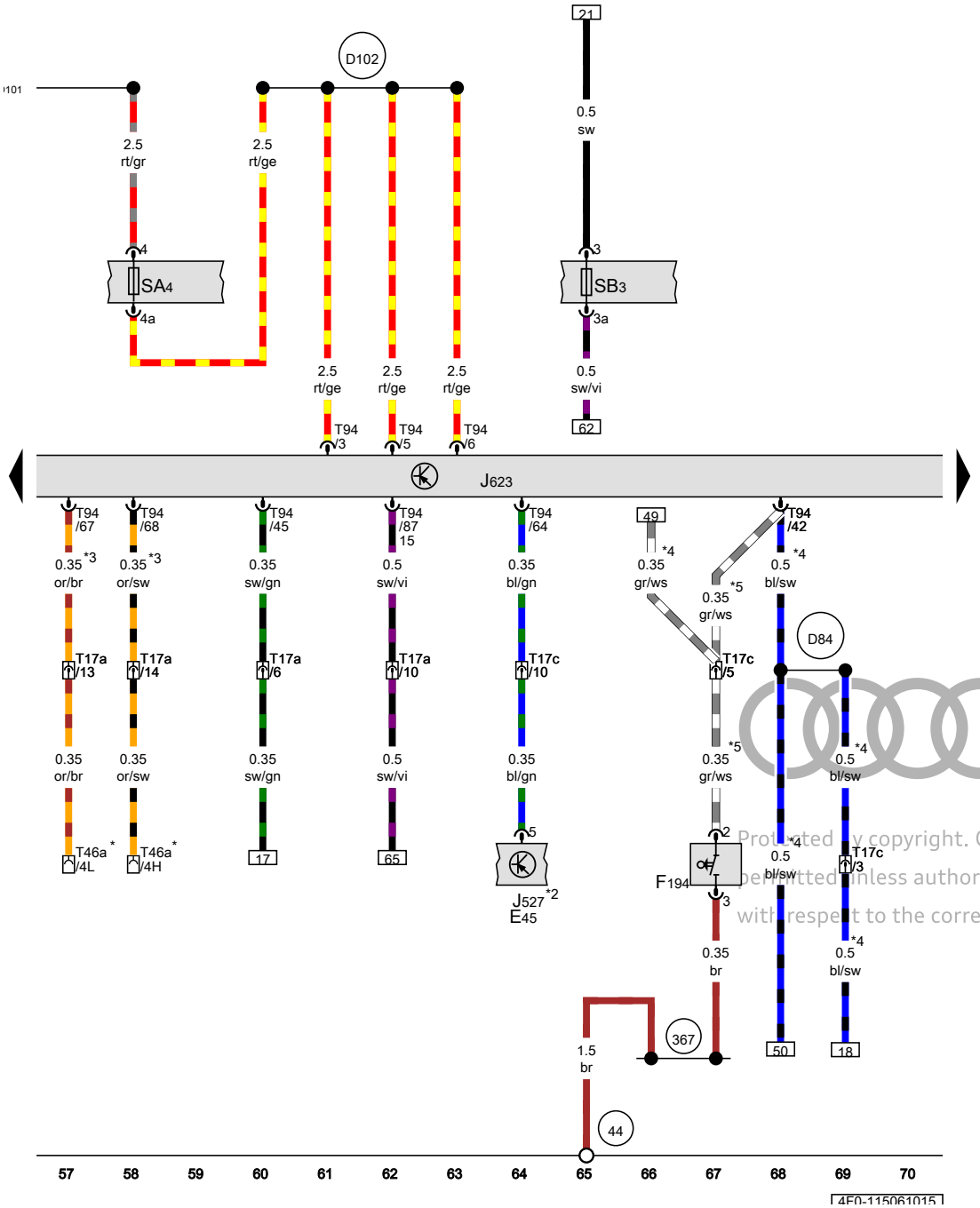
Automatic gearbox control unit, Terminal 30 voltage supply relay, Engine control unit

J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J623	Engine control unit
SA1	Fuse 1 in fuse holder A
SA10	Fuse 10 in fuse holder A
T16	16-pin connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94	94-pin connector, black, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness

*	Main fuse carrier, in E-box on left of plenum chamber
*2	Threaded connection, in E-box in plenum chamber
*3	see applicable current flow diagram for automatic gearbox
*4	Left-hand drive models
*5	see applicable current flow diagram for engine
*6	Only right-hand drive models

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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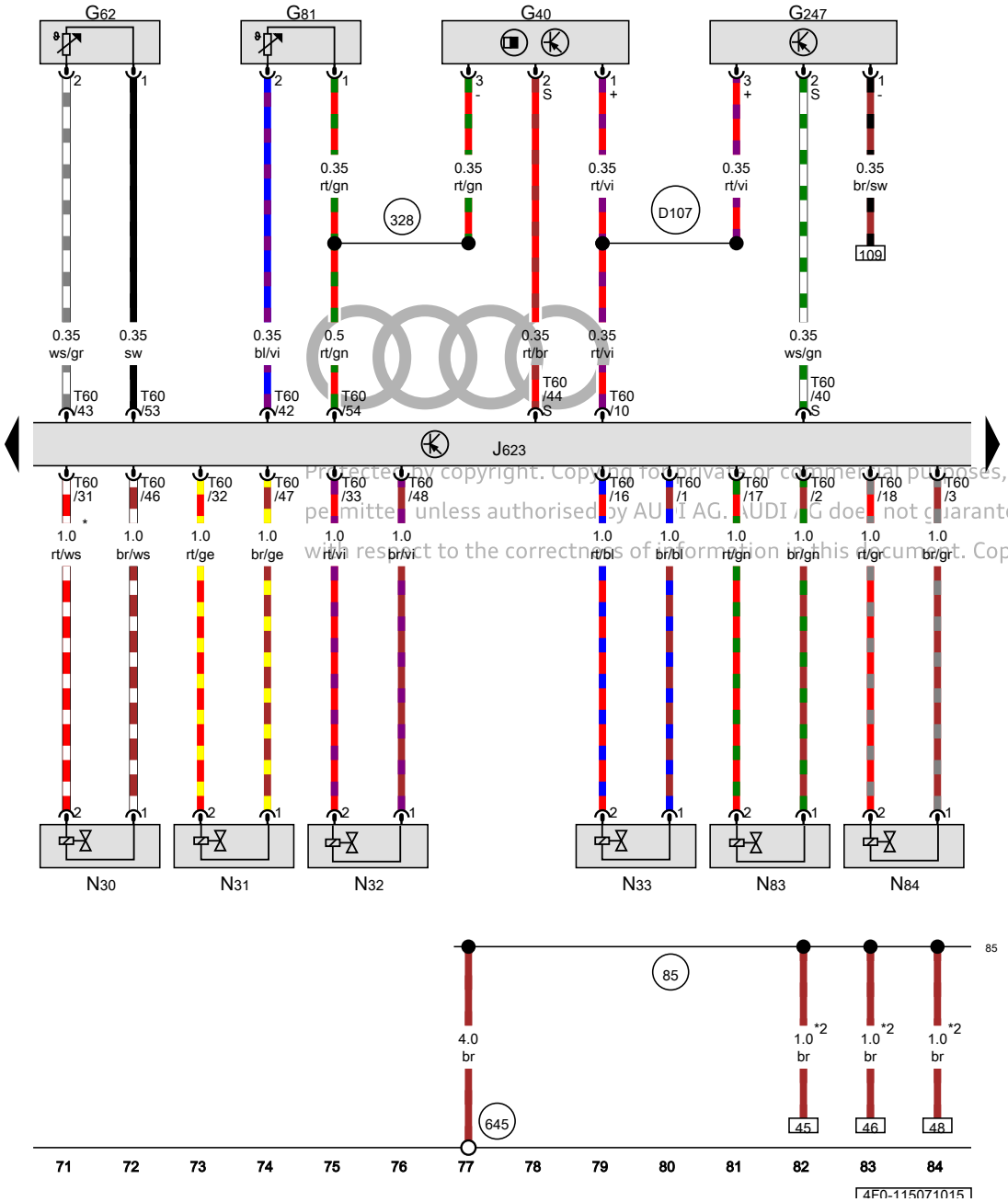


Clutch pedal switch for engine start, Engine control unit

E45	Cruise control system switch
F194	Clutch pedal switch for engine start
J527	Steering column electronics control unit
J623	Engine control unit
SB3	Fuse 3 on fuse holder B
SA4	Fuse 4 in fuse holder A
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T46a	46-pin connector, black, behind dash panel, left, near fuse holder
T94	94-pin connector, black, on engine control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness
D102	Connection 2 in engine compartment wiring harness
*	see applicable current flow diagram for CAN separating connector
*2	Only models with cruise control system
*3	Data bus wire (CAN bus)
*4	see applicable current flow diagram for automatic gearbox
*5	Only models with manual gearbox

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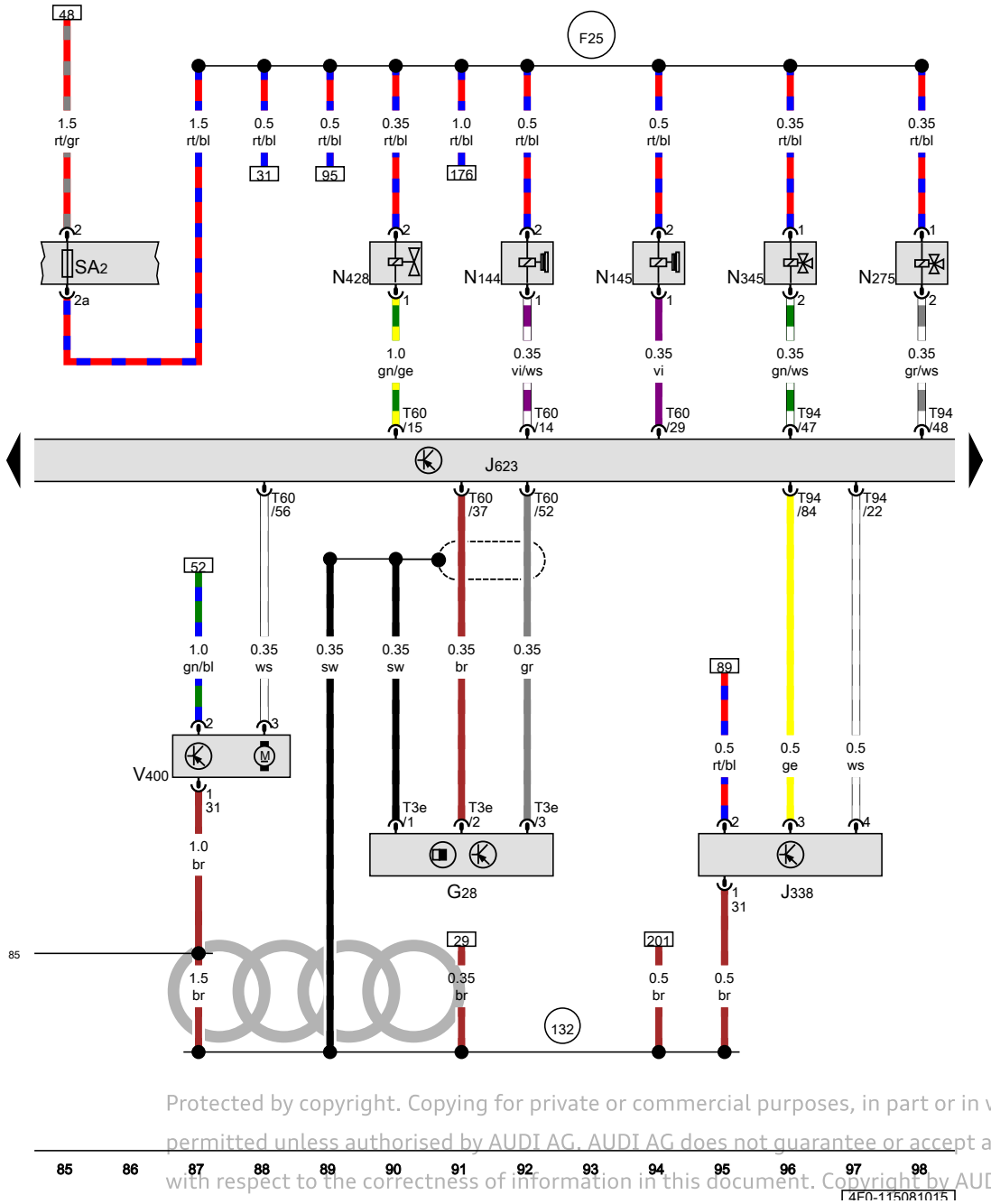


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Hall sender, Coolant temperature sender, Fuel temperature sender, Fuel pressure sender, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Injector, cylinder 6

G40	Hall sender
G62	Coolant temperature sender
G81	Fuel temperature sender
G247	Fuel pressure sender
J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
T60	60-pin connector, black, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
645	Earth point 1, on bulkhead
D107	Connection 5 in engine compartment wiring harness
*	see applicable current flow diagram for engine
*2	see applicable current flow diagram for automatic gearbox

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

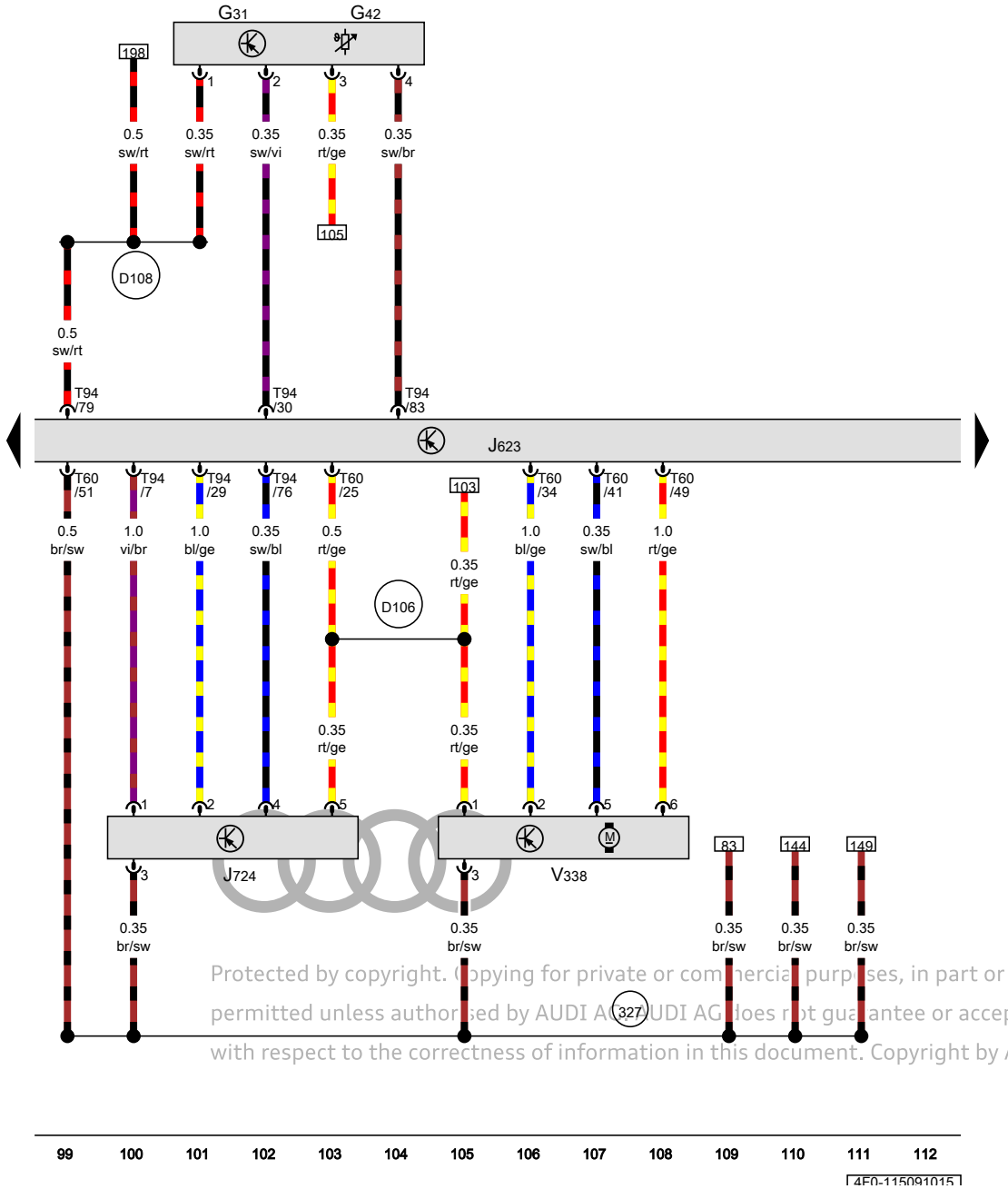


Throttle valve module, Engine control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve, Air filter bypass flap valve, Exhaust gas recirculation cooler changeover valve, Valve for oil pressure control, Pump for exhaust gas recirculation cooler

G28	Engine speed sender
J338	Throttle valve module
J623	Engine control unit
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N275	Air filter bypass flap valve
N345	Exhaust gas recirculation cooler changeover valve
N428	Valve for oil pressure control
SA2	Fuse 2 in fuse holder A
T3e	3-pin connector, grey, on engine speed sender
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
V400	Pump for exhaust gas recirculation cooler
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
F25	Connection 1, in diesel direct injection system 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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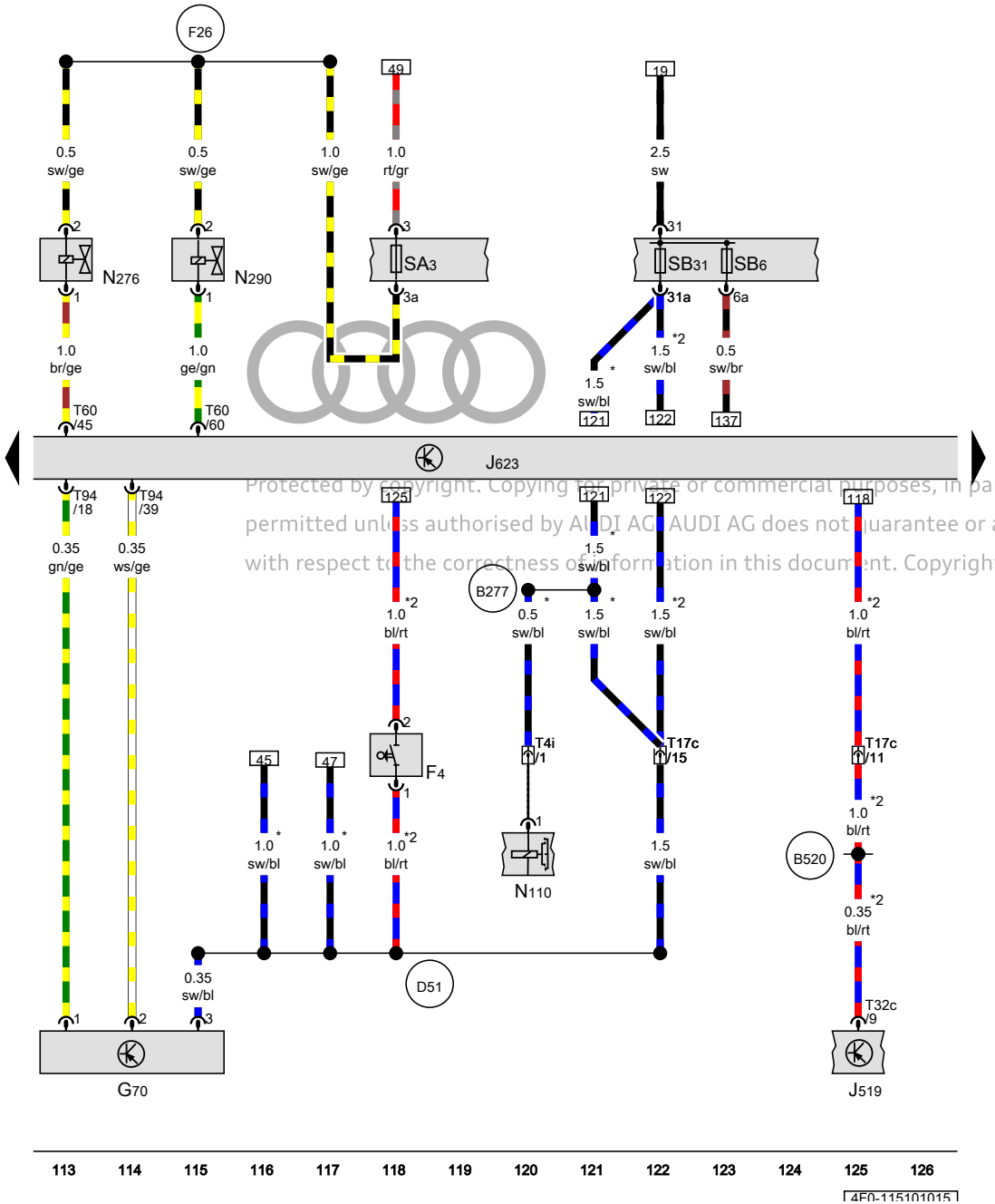


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Charge pressure sender, Intake air temperature sender, Engine control unit, Turbocharger 1 control unit, Exhaust gas recirculation control motor

G31	Charge pressure sender
G42	Intake air temperature sender
J623	Engine control unit
J724	Turbocharger 1 control unit
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
V338	Exhaust gas recirculation control motor
327	Earth connection (sender earth), in engine compartment wiring harness
D106	Connection 4 in engine compartment wiring harness
D108	Connection 6 in engine compartment wiring harness

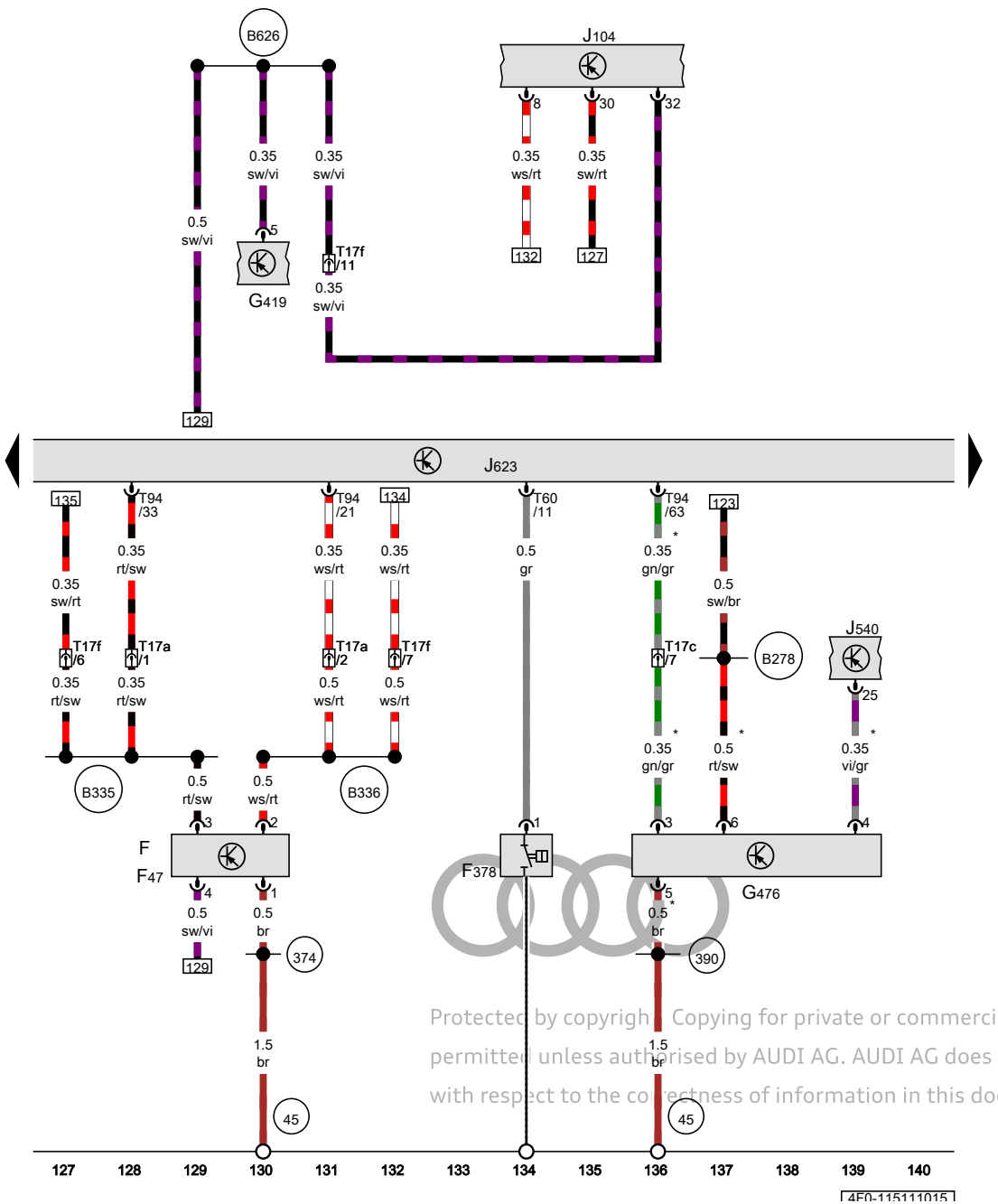


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Reversing light switch, Air mass meter, Engine control unit, Fuel pressure regulating valve, Fuel metering valve

F4	Reversing light switch
G70	Air mass meter
J519	Onboard supply control unit
J623	Engine control unit
N110	Selector lever lock solenoid
N276	Fuel pressure regulating valve
N290	Fuel metering valve
SA3	Fuse 3 in fuse holder A
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T4i	4-pin connector, black, in centre console, on selector lever bracket
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T32c	32-pin connector, white, on onboard supply control unit
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
B277	Positive connection 1 (15a) in main wiring harness
B520	Connection (RL), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
F26	Connection 2, in diesel direct injection system wiring harness
*	see applicable current flow diagram for automatic gearbox
*2	Only models with manual gearbox

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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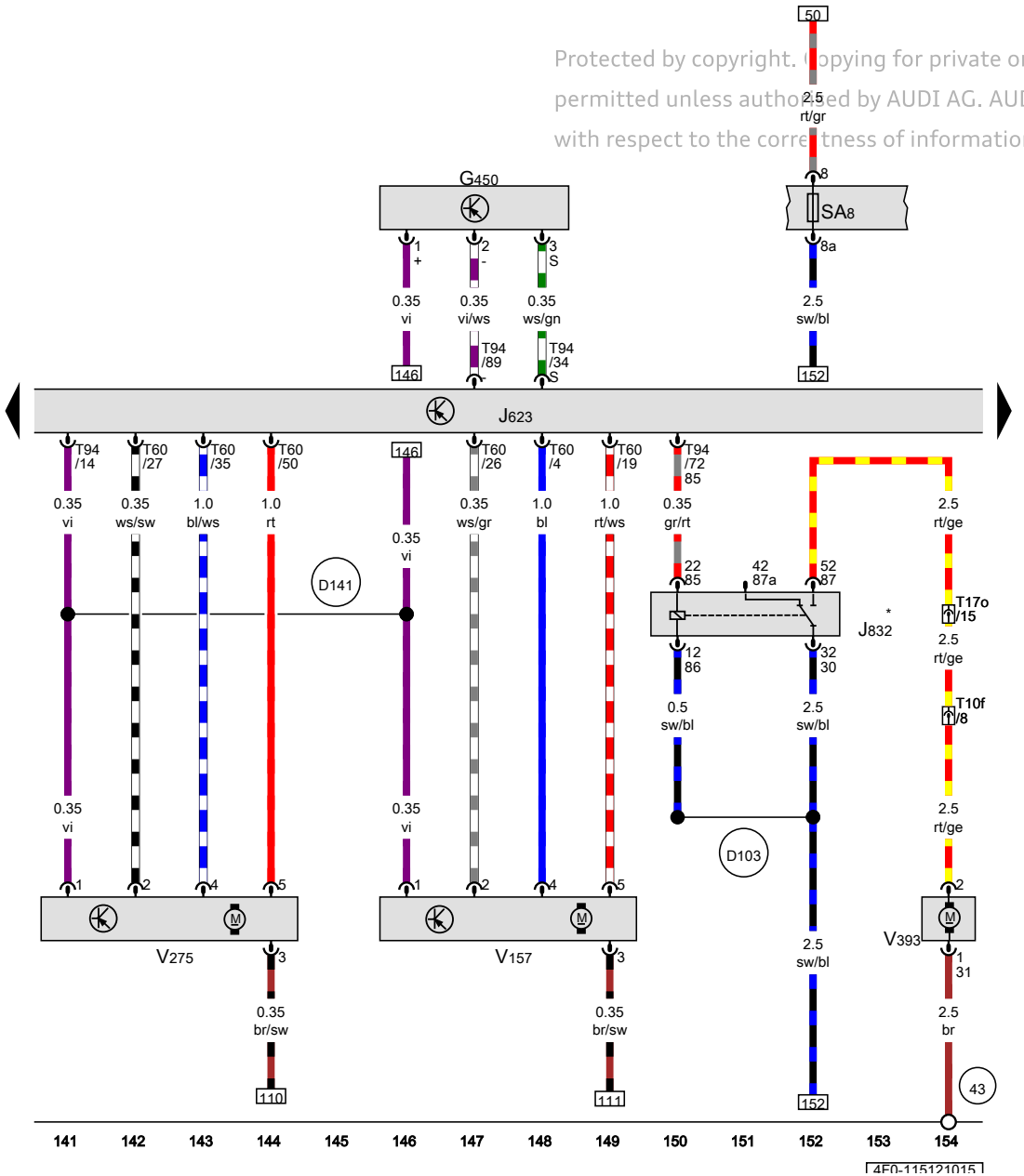
Brake light switch, Brake pedal switch, Oil pressure switch for reduced oil pressure, Clutch position sender, Control unit for electromechanical parking brake, Engine control unit

F	Brake light switch
F47	Brake pedal switch
F378	Oil pressure switch for reduced oil pressure
G419	Sensor unit for electronic stabilisation program
G476	Clutch position sender
J104	ABS control unit
J540	Control unit for electromechanical parking brake
J623	Engine control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T17f	17-pin connector, green, in left A-pillar coupling station
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a) in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
*	Only models with manual gearbox

ws	=	white
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ro	=	red
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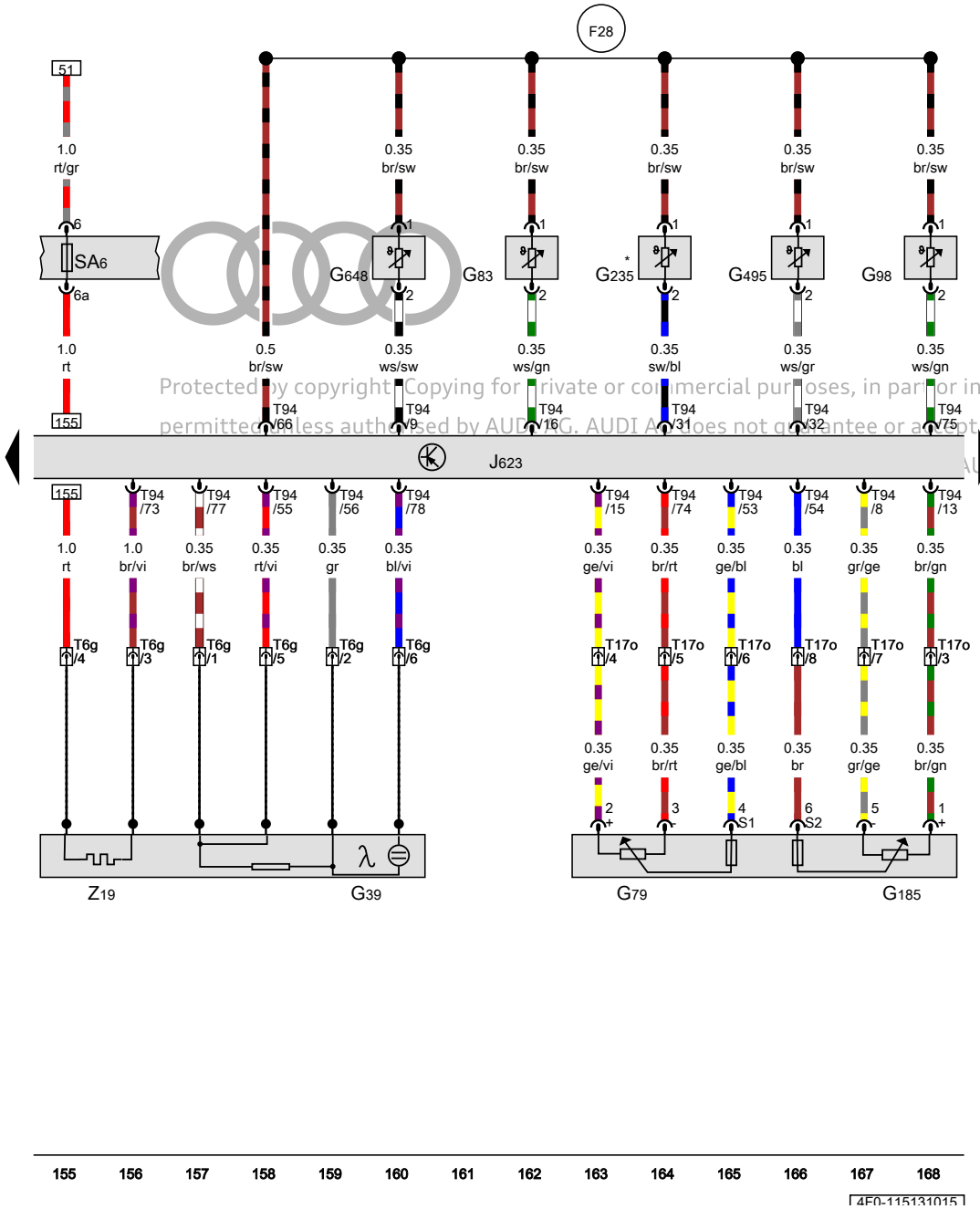
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Exhaust gas pressure sensor 1, Engine control unit, Relay for supplementary fuel pump, Intake manifold flap motor, Intake manifold flap 2 motor, Supplementary fuel pump

G450	Exhaust gas pressure sensor 1
J623	Engine control unit
J832	Relay for supplementary fuel pump
SA8	Fuse 8 in fuse holder A
T10f	10-pin connector, white, in right A-pillar coupling station
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
V157	Intake manifold flap motor
V275	Intake manifold flap 2 motor
V393	Supplementary fuel pump
43	Earth point, lower part of right A-pillar
D103	Connection 3 in engine compartment wiring harness
D141	Connection (5V) in engine prewiring harness
*	Main fuse carrier, in E-box on left of plenum chamber

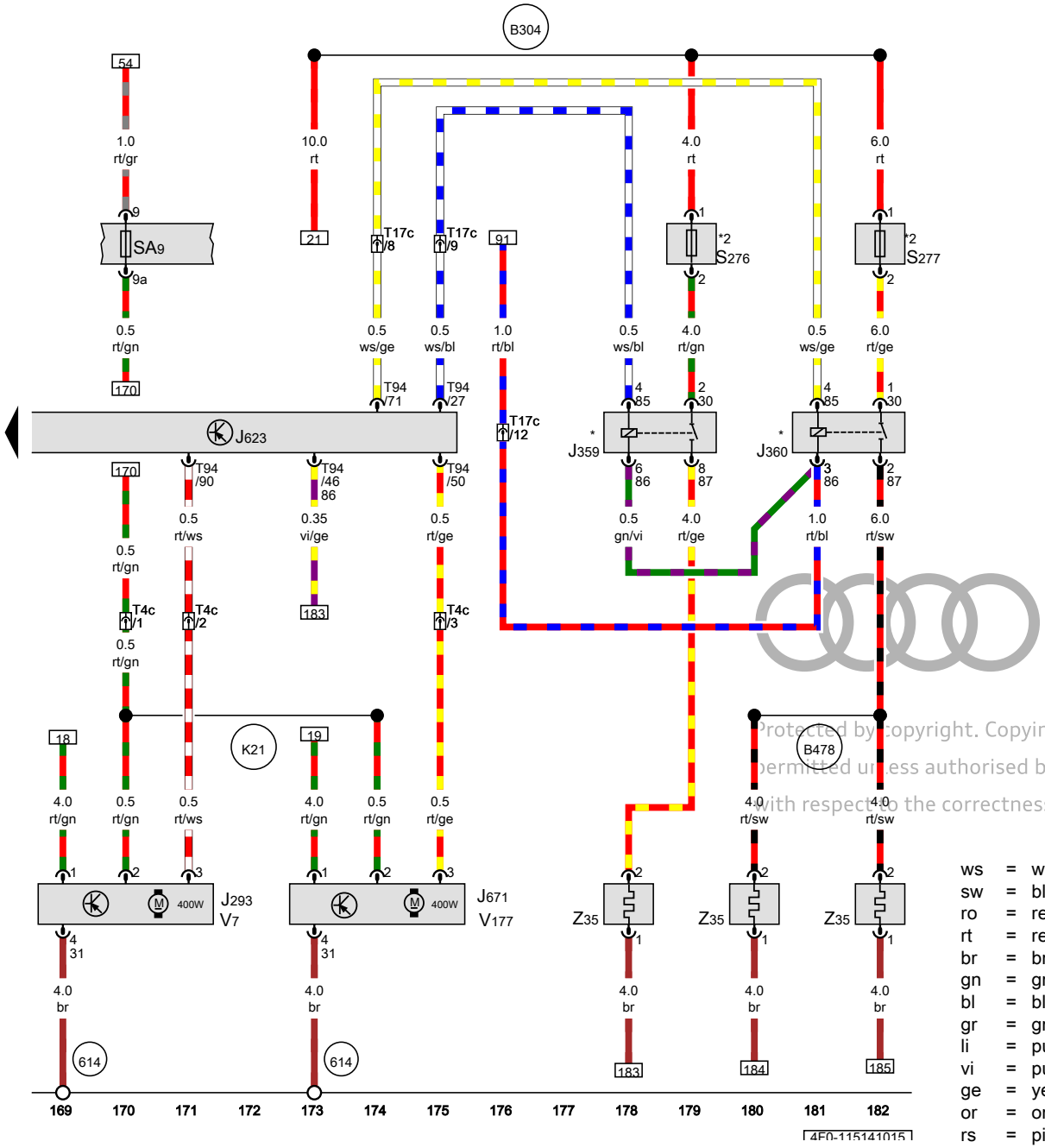


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Lambda probe, Accelerator position sender, Radiator outlet coolant temperature sender, Exhaust gas recirculation temperature sensor, Accelerator position sender 2, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

G39	Lambda probe
G79	Accelerator position sender
G83	Radiator outlet coolant temperature sender
G98	Exhaust gas recirculation temperature sensor
G185	Accelerator position sender 2
G235	Exhaust gas temperature sender 1
G495	Exhaust gas temperature sender 3
G648	Exhaust gas temperature sender 4
J623	Engine control unit
SA6	Fuse 6 in fuse holder A
T6g	6-pin connector, brown, on Lambda probe before catalytic converter
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T94	94-pin connector, black, on engine control unit
Z19	Lambda probe heater
F28	Connection 3, in diesel direct injection system wiring harness
*	Only models with 3.0l engine

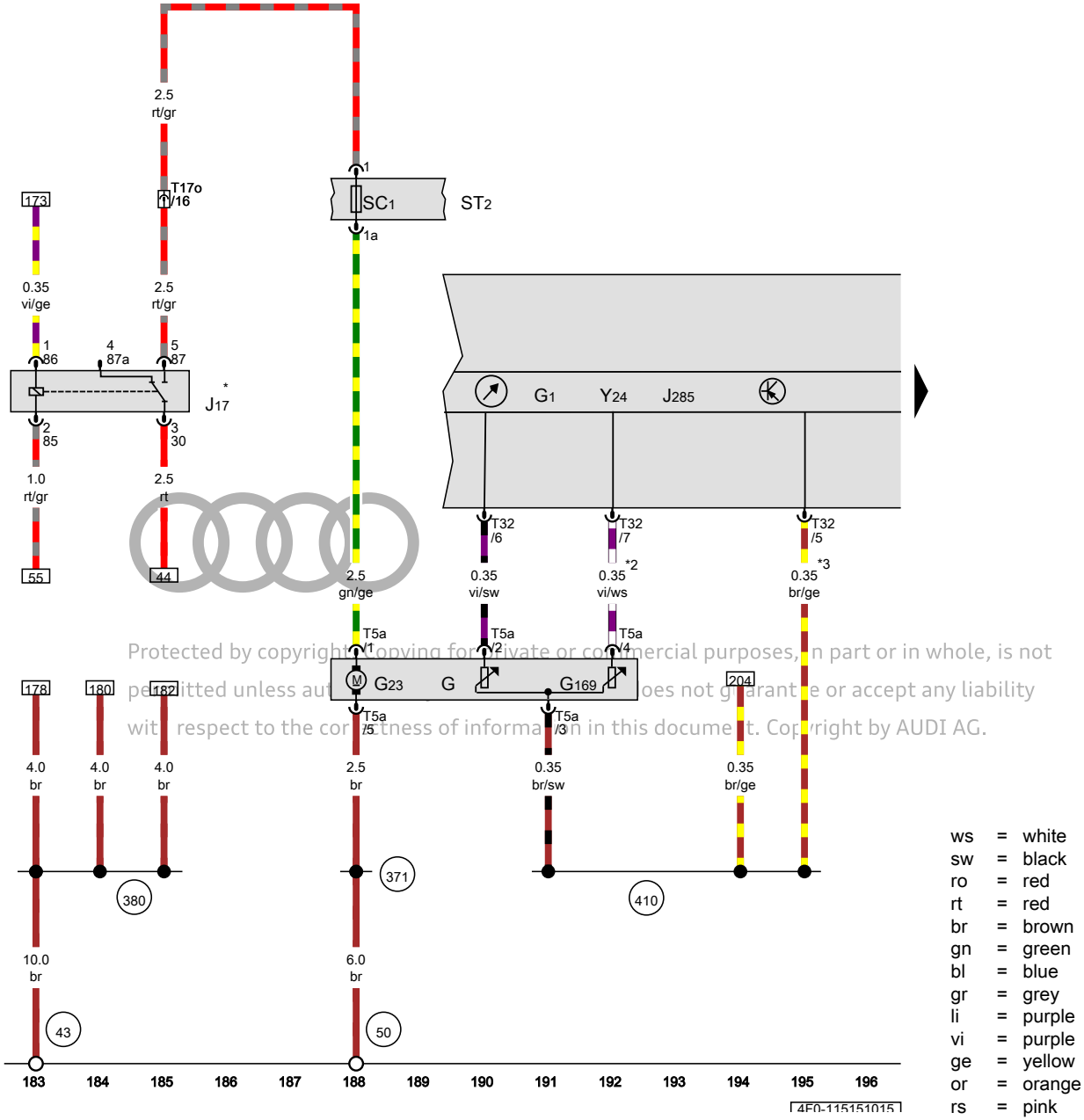


Radiator fan control unit, Low heat output relay, High heat output relay, Engine control unit, Radiator fan control unit 2, Radiator fan, Radiator fan 2, Auxiliary air heater element

J293	Radiator fan control unit
J359	Low heat output relay
J360	High heat output relay
J623	Engine control unit
J671	Radiator fan control unit 2
SA9	Fuse 9 in fuse holder A
S276	Heater element fuse 1
S277	Heater element fuse 2
T4c	4-pin connector, black, Coupling station, E-box on right in plenum chamber, Radiator fan connection
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T94	94-pin connector, black, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
Z35	Auxiliary air heater element
614	Earth point 2, on right in engine compartment
B304	Positive connection 8 (30), in main wiring harness
B478	Connection 14, in main wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Relay carrier on left under dash panel
*2	Fuses on bottom of onboard supply control unit

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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vi	=	purple
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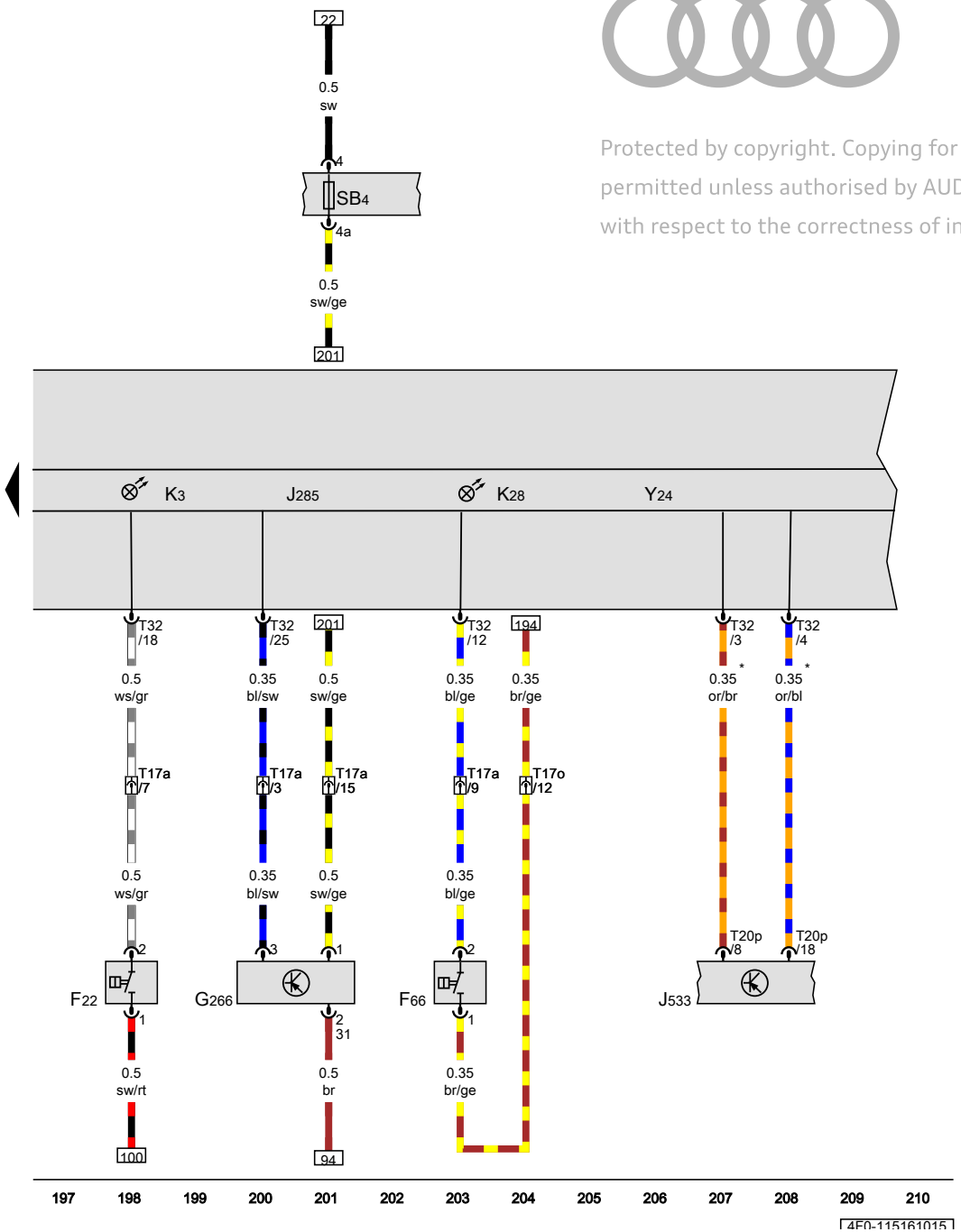
Fuel gauge sender, Fuel gauge, Fuel pump, Fuel gauge sender 2, Fuel pump relay, Control unit in dash panel insert, Display in dash panel insert

G	Fuel gauge sender
G1	Fuel gauge
G23	Fuel pump
G169	Fuel gauge sender 2
J17	Fuel pump relay
J285	Control unit in dash panel insert
SC1	Fuse 1 on fuse holder C
ST2	Fuse carrier 2
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
43	Earth point, lower part of right A-pillar
50	Earth point, on left in luggage compartment
371	Earth connection 6, in main wiring harness
380	Earth connection 15, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	Only models with all-wheel drive
*3	Output for sender earth

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Oil pressure switch, Coolant shortage indicator switch, Oil level and oil temperature sender, Control unit in dash panel insert, Oil pressure warning lamp, Coolant temperature and coolant shortage warning lamp, Display in dash panel insert

F22	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
*	Data bus wire (CAN 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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rs	=	pink

Audi A6 3.0 l - Fuel injection engine (213 kW - Motronic - 6 cylinder), engine code CAJA, CCAA

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

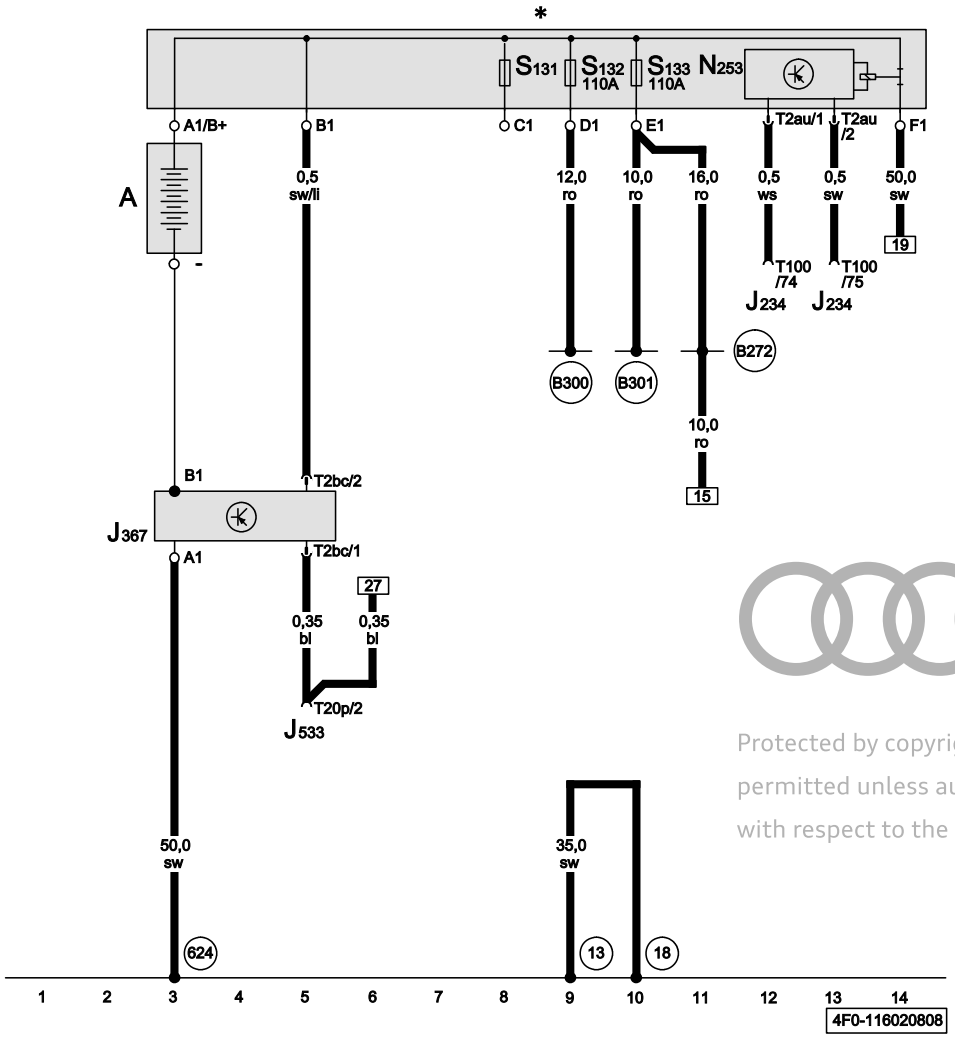
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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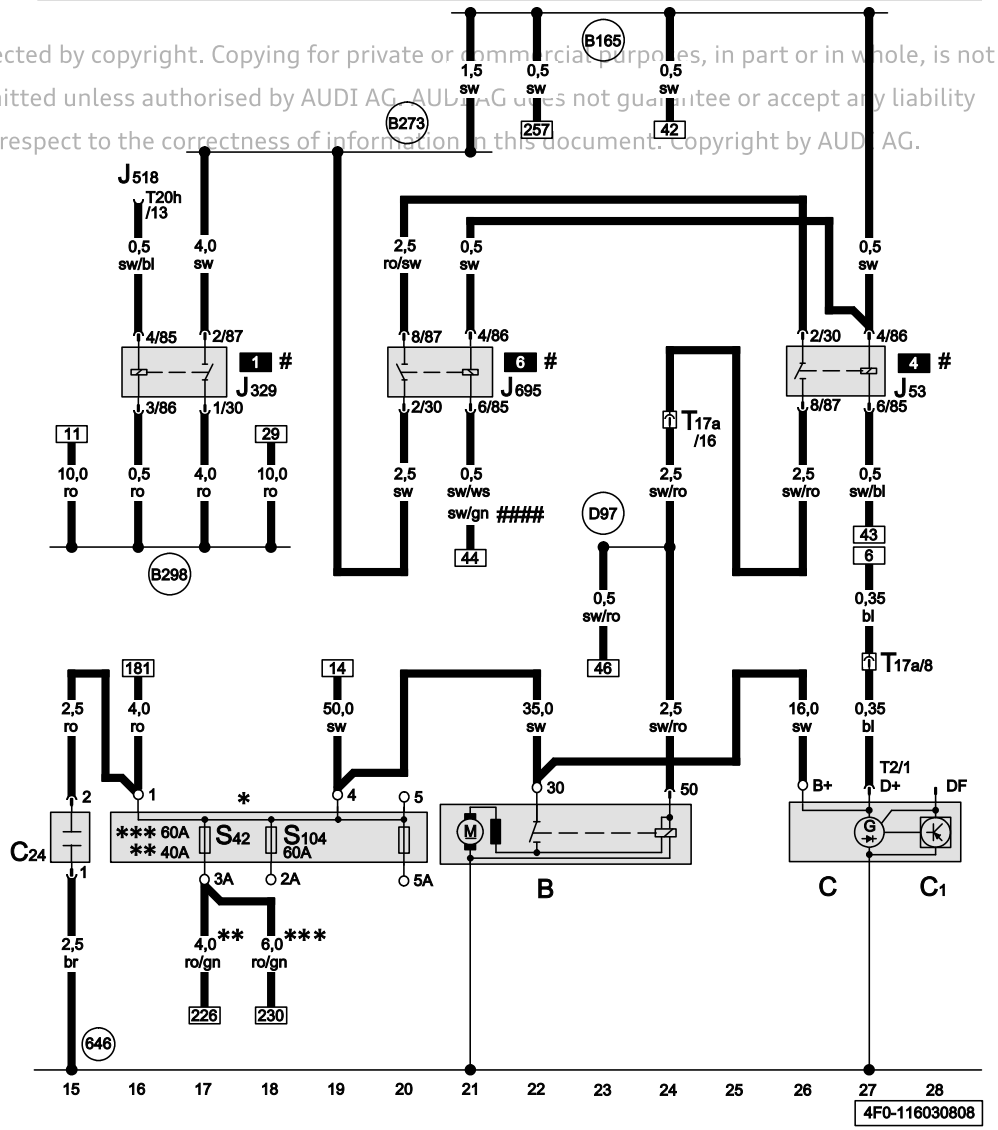
Battery, battery monitor control unit, fuses

A	battery
J234	Airbag control unit
J367	Battery monitor control unit
J533	Data bus diagnostic interface
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T2bc	2-pin connector, yellow, on battery monitor control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T100	100-pin connector, blue, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
624	Earth point next to starter battery
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery

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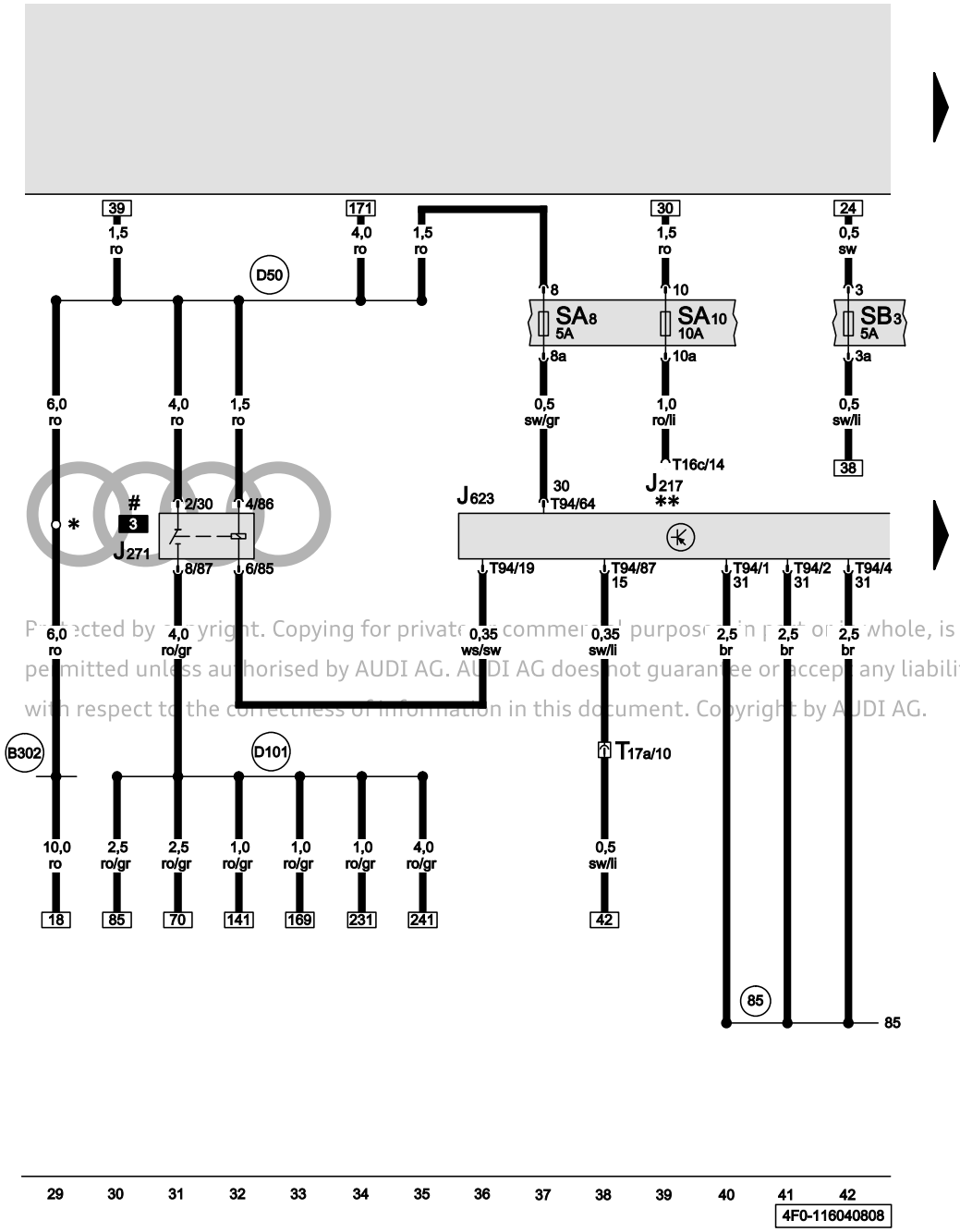
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Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation switch
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in right side engine compartment wiring harness
*	Main fuse carrier, electronics box on right in plenum chamber
**	Models without trailer towing attachment
***	Models with trailer towing attachment
#	9-slot relay carrier, behind driver storage compartment
####	Right-hand drive

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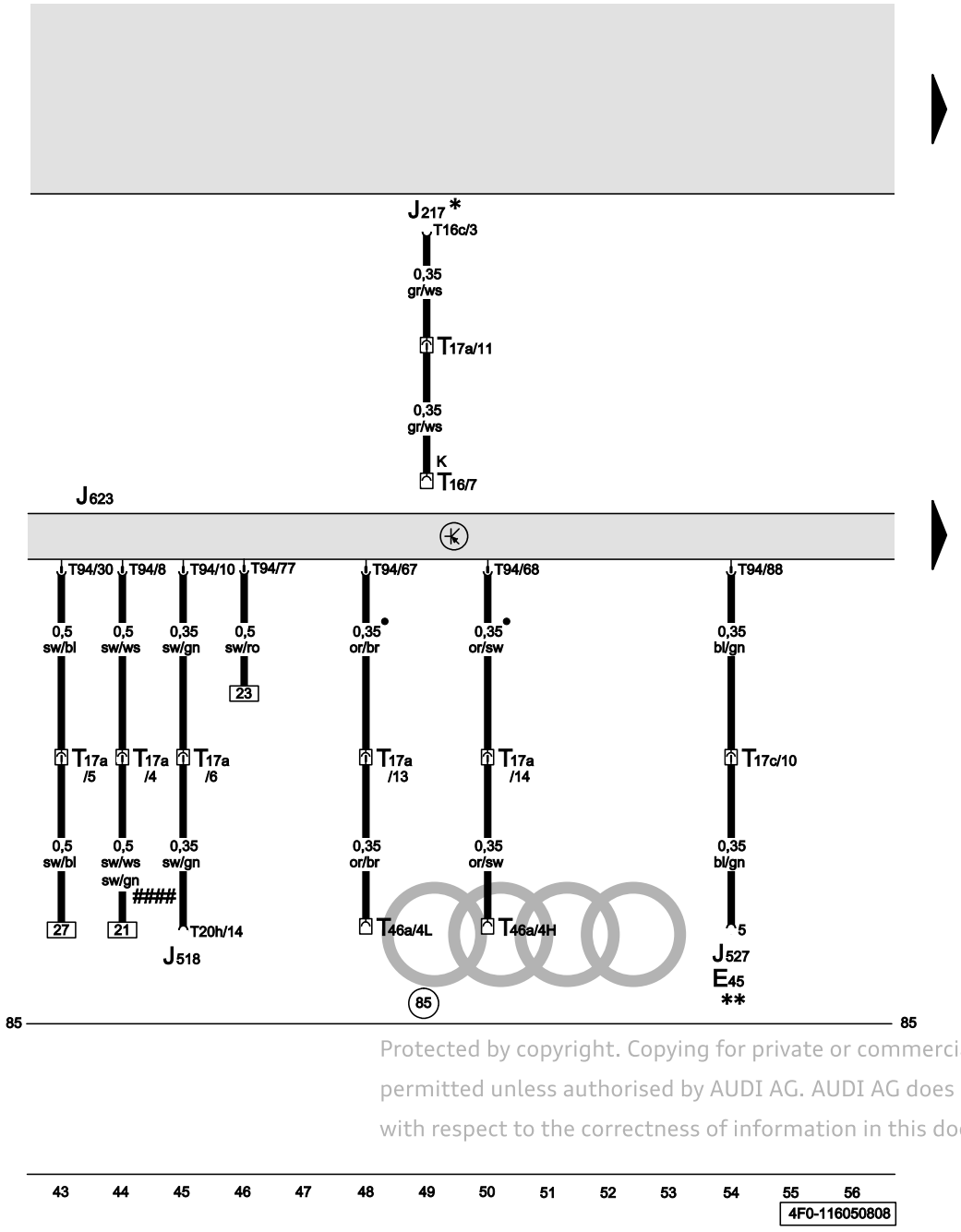


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Engine control unit, Motronic current supply relay

J217	Automatic gearbox control unit
J271	Motronic current supply relay
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
SA10	Fuse 10 on fuse holder A
SB3	Fuses 3 on fuse holder B
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T94	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection, in electronics box, left plenum chamber
**	Models with automatic gearbox 09L
#	Relay carrier in electronics box, in plenum chamber, left

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
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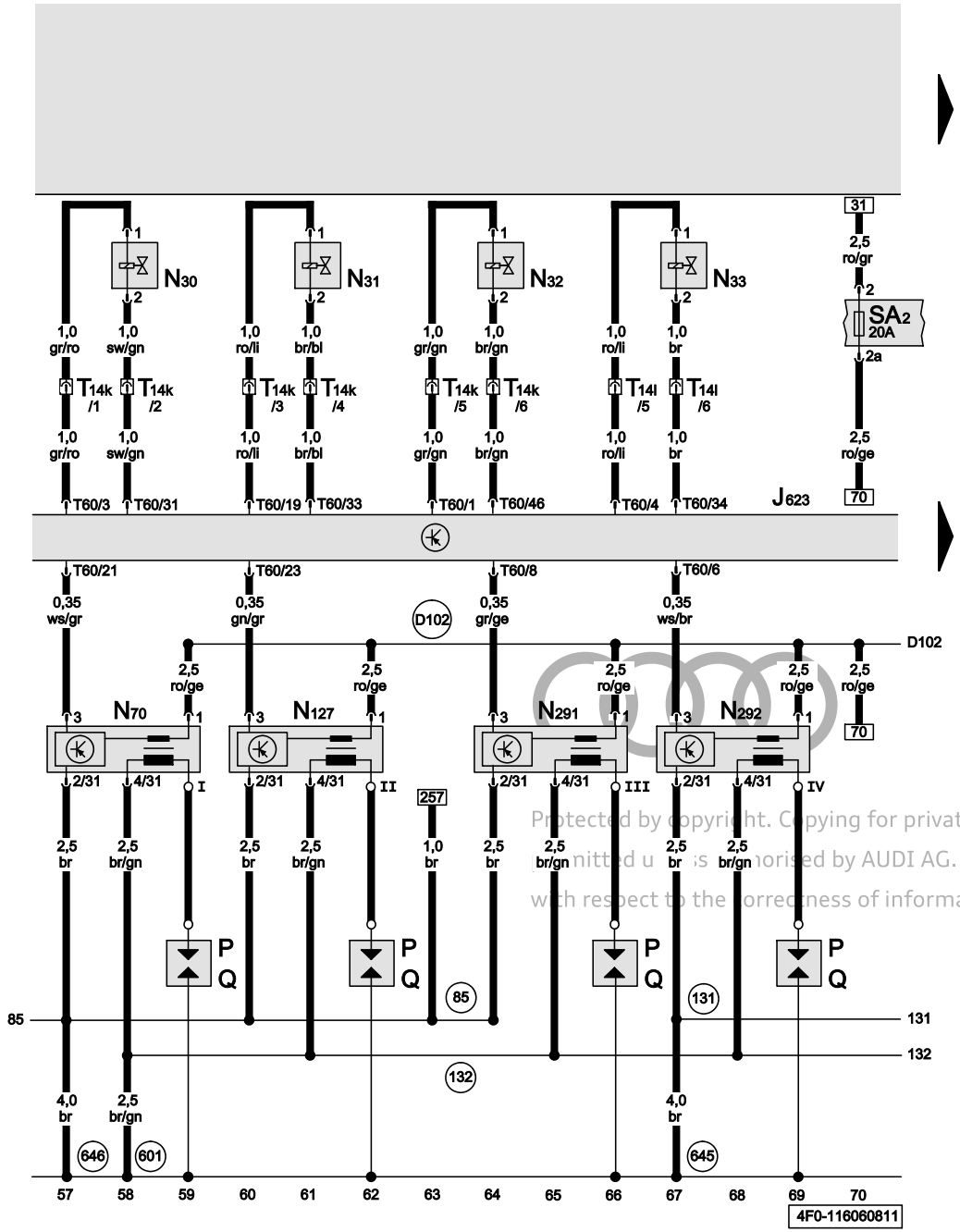


Engine control unit, CAN disconnector, earth connections

E45	Cruise control system switch
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation switch
T46a	46-Pin connector, CAN disconnector, left
T94	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
•	CAN bus (data wire)
*	Models with automatic gearbox 09L
**	Models with cruise control system
####	Right-hand drive

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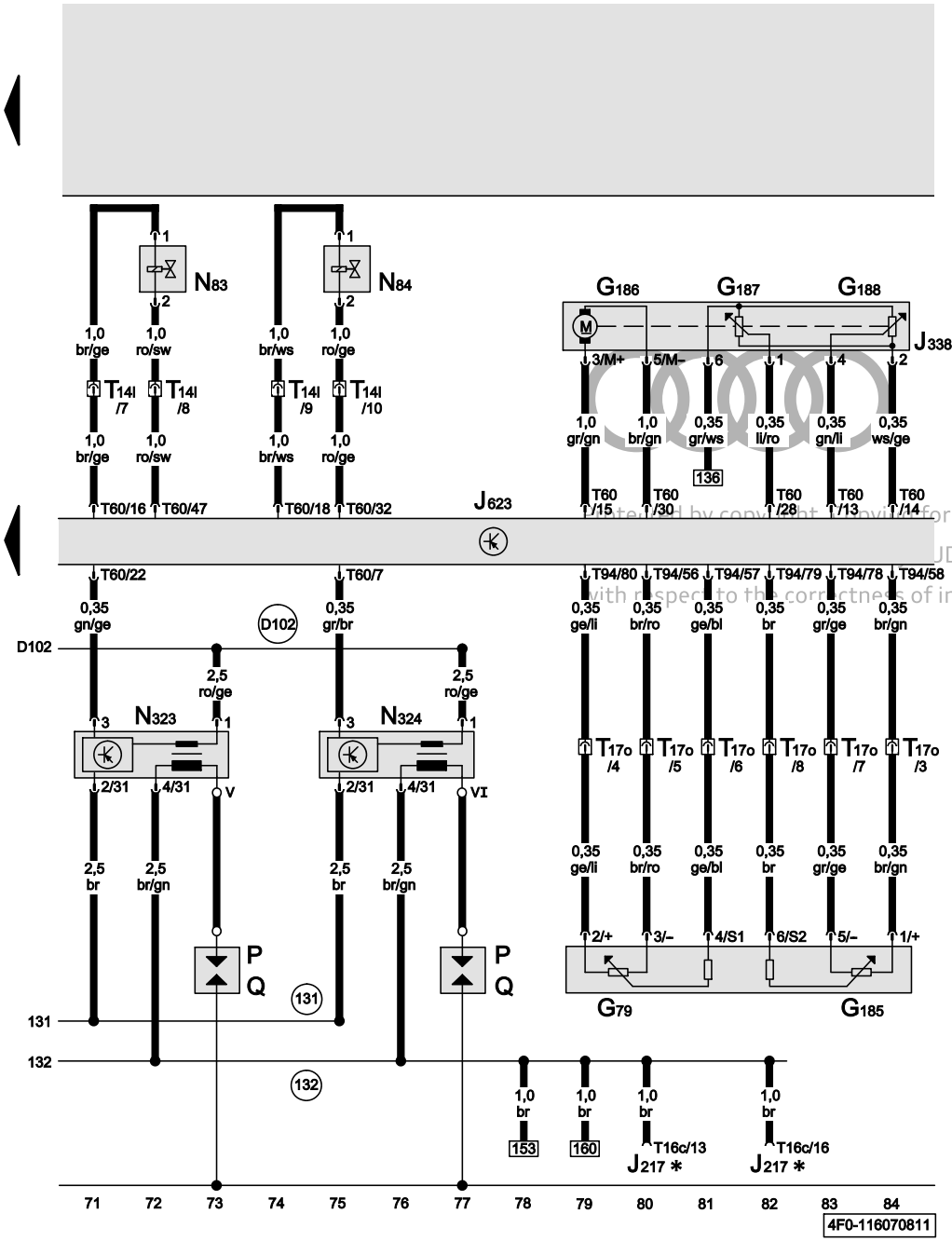


Engine control unit, injectors cylinder 1 - 4, ignition coils 1 up to 4 with output stage

J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T14k	14-pin connector, black, in engine compartment, bank 1
T14l	14-pin connector, black, in engine compartment, bank 2
T60	60-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
601	Earth point on cylinder head, left
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
D102	Connection 2, in engine compartment wiring harness

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Engine control unit, injectors for cylinders 5 and 6, ignition coils 5 and 6 with output stage, accelerator pedal position sender, throttle valve module

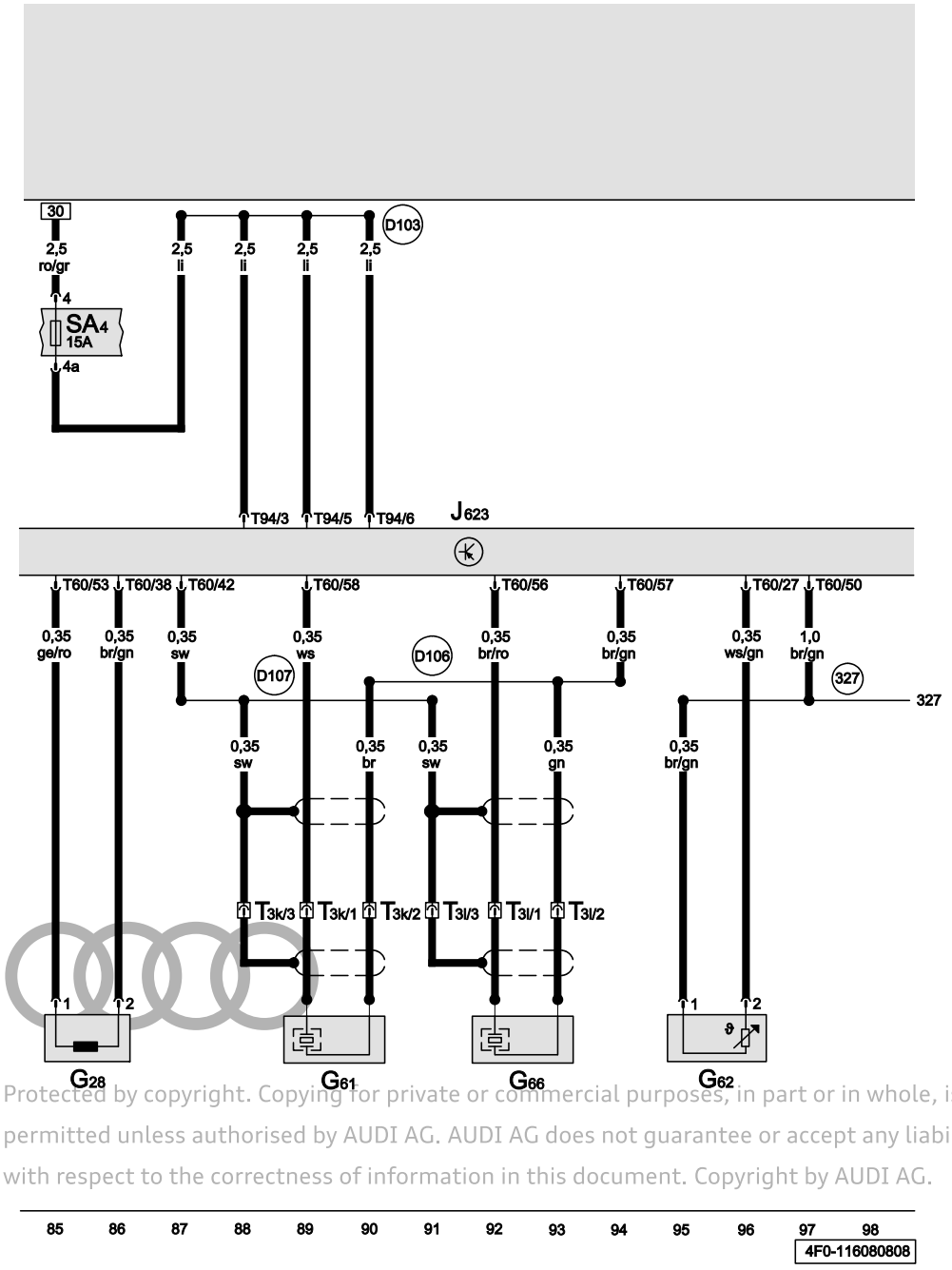
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender 2
G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J217	Automatic gearbox control unit
J338	Throttle valve module
J623	Engine control unit
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
T14l	14-pin connector, black, in engine compartment, bank 2
T16c	16-pin connector, black, on automatic gearbox control unit
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	Models with automatic gearbox 09L

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

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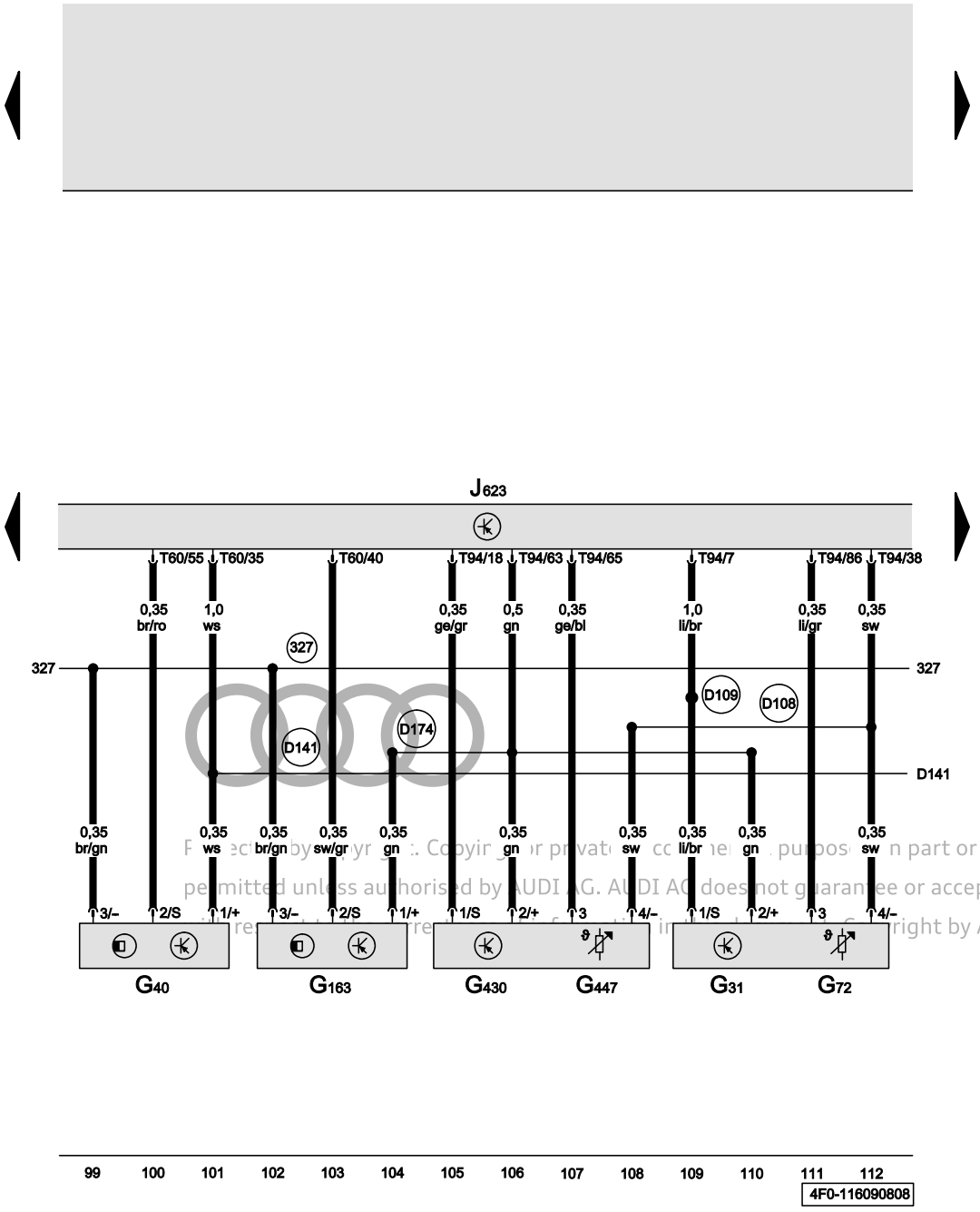
Engine control unit, engine speed sender, coolant temperature sender, knock sensors

G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
T3k	3-pin connector, green, on knock sensor 1
T3l	3-pin connector, grey, on knock sensor 2
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness



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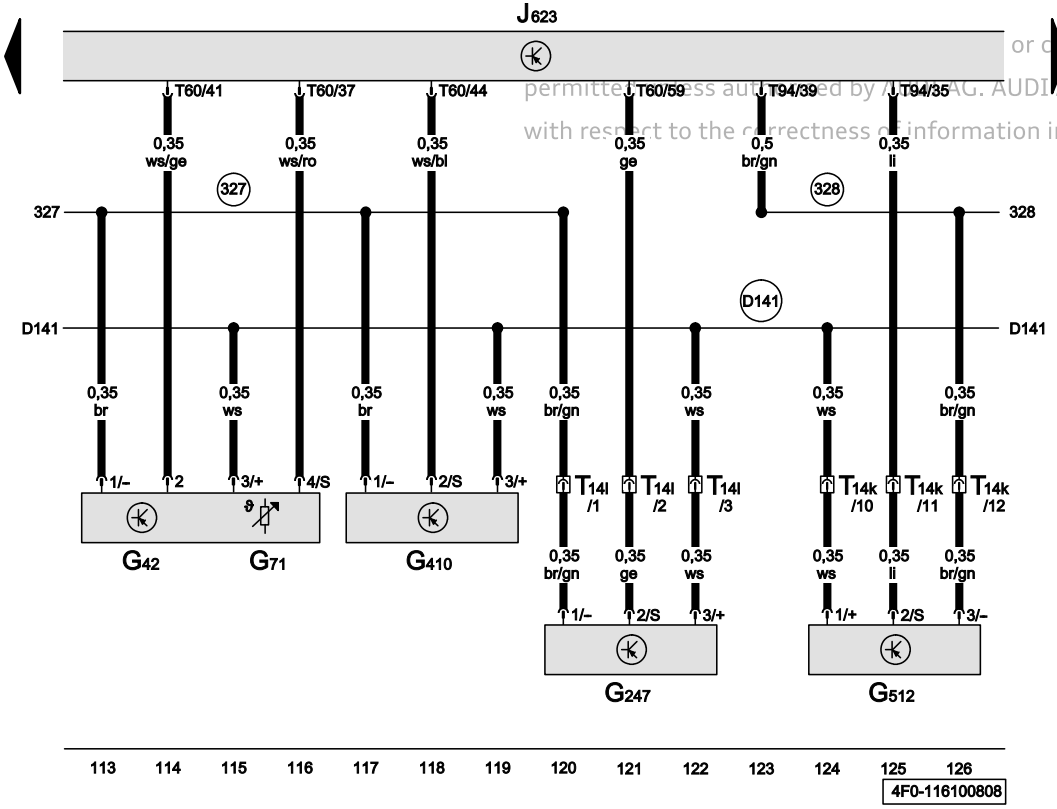
Engine control unit, Hall sender, charge air pressure sender, intake manifold temperature sender

G31	Charge pressure sender
G40	Hall sender
G72	Intake manifold temperature sender
G163	Hall sender 2
G430	Intake manifold temperature sender 2
G447	Charge pressure sender 2
J623	Engine control unit
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
D174	Connection 2 (5V), in engine wiring harness

Engine control unit, intake air temperature sender, intake manifold pressure sender, fuel pressure sender, fuel pressure sender for low-pressure

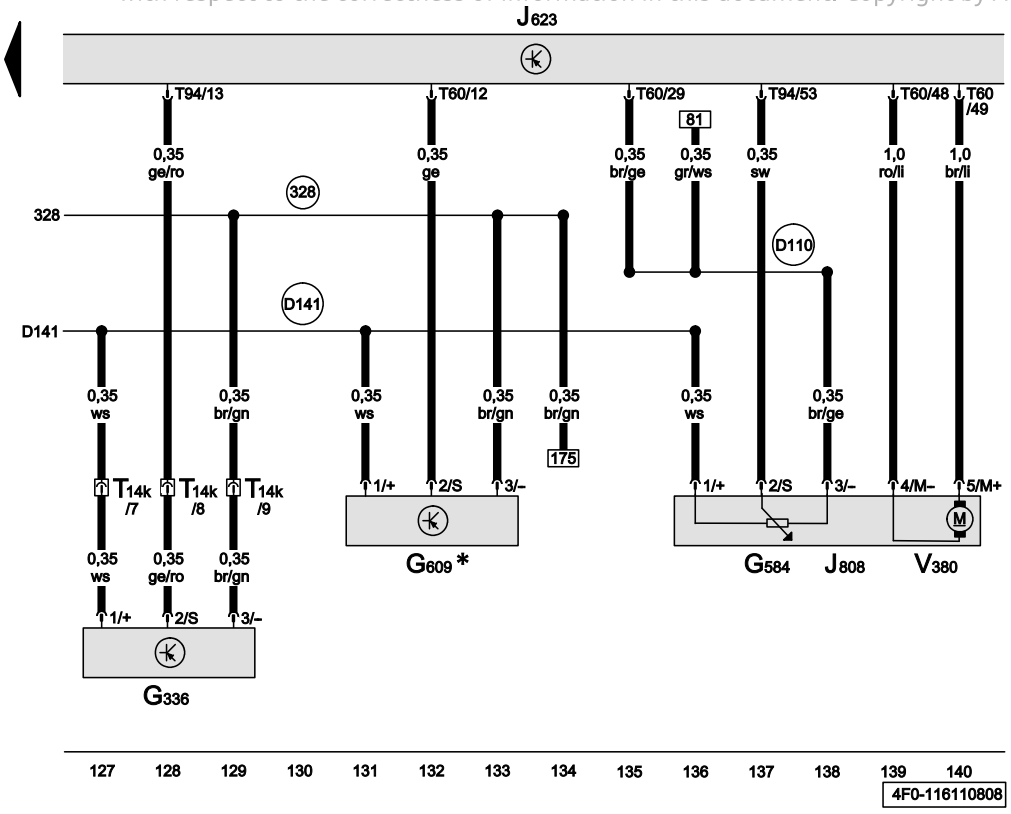
G42	Intake air temperature sender
G71	Intake manifold pressure sender
G247	Fuel pressure sender
G410	Fuel pressure sender for low-pressure
G512	Intake manifold flap potentiometer 2
J623	Engine control unit
T14k	14-pin connector, black, in engine compartment, bank 1
T14l	14-pin connector, black, in engine compartment, bank 2
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness

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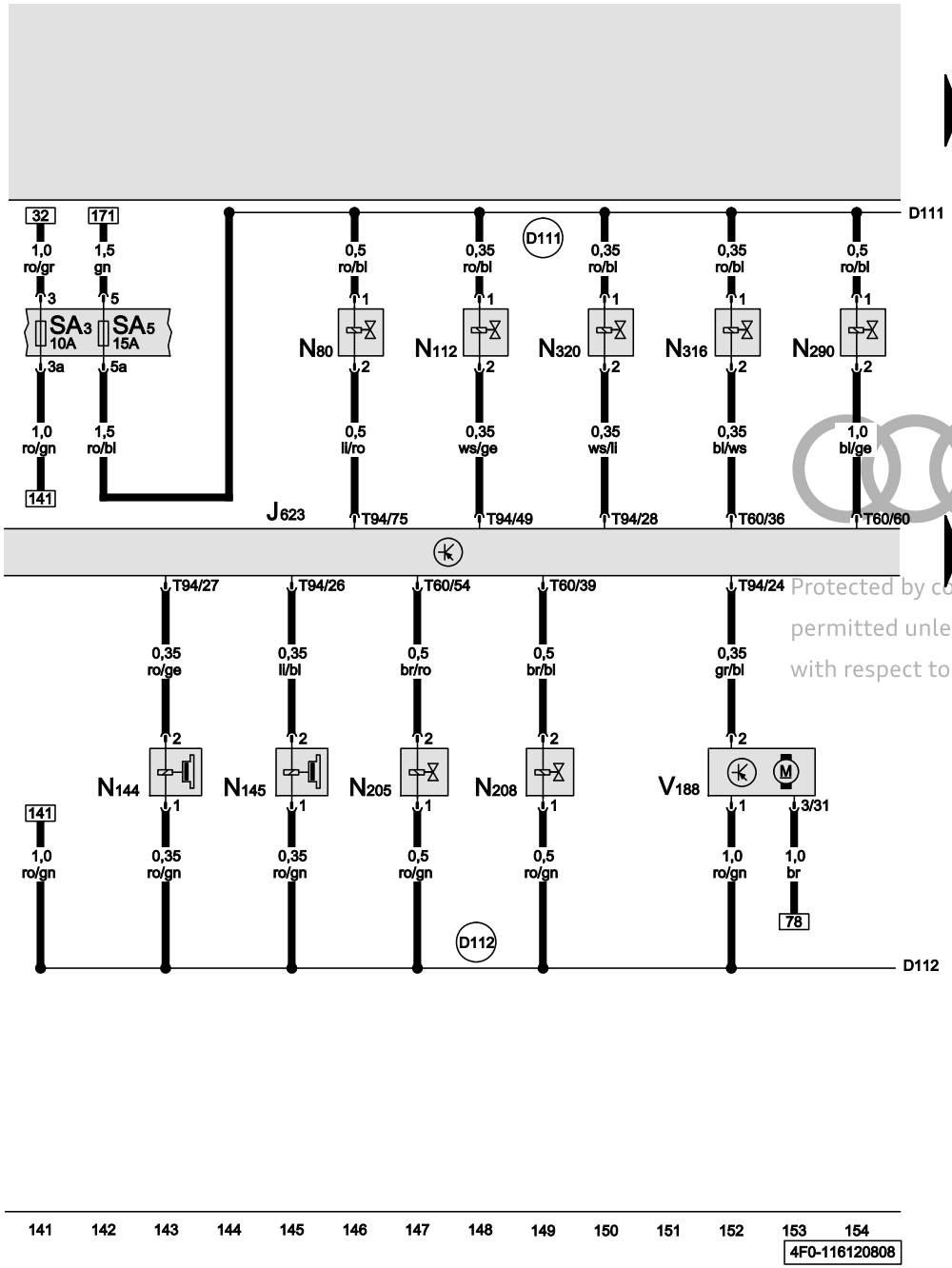
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Engine control unit, intake manifold flap potentiometer, sender 1 for secondary air pressure, regulating flap control unit

G336	Intake manifold flap potentiometer
G584	Regulating flap potentiometer
G609	Sender 1 for secondary air pressure
J623	Engine control unit
J808	Regulating flap control unit
T14k	14-pin connector, black, in engine compartment, bank 1
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
V380	Regulating flap position control motor
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D110	Connection 8, in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
*	Only USA

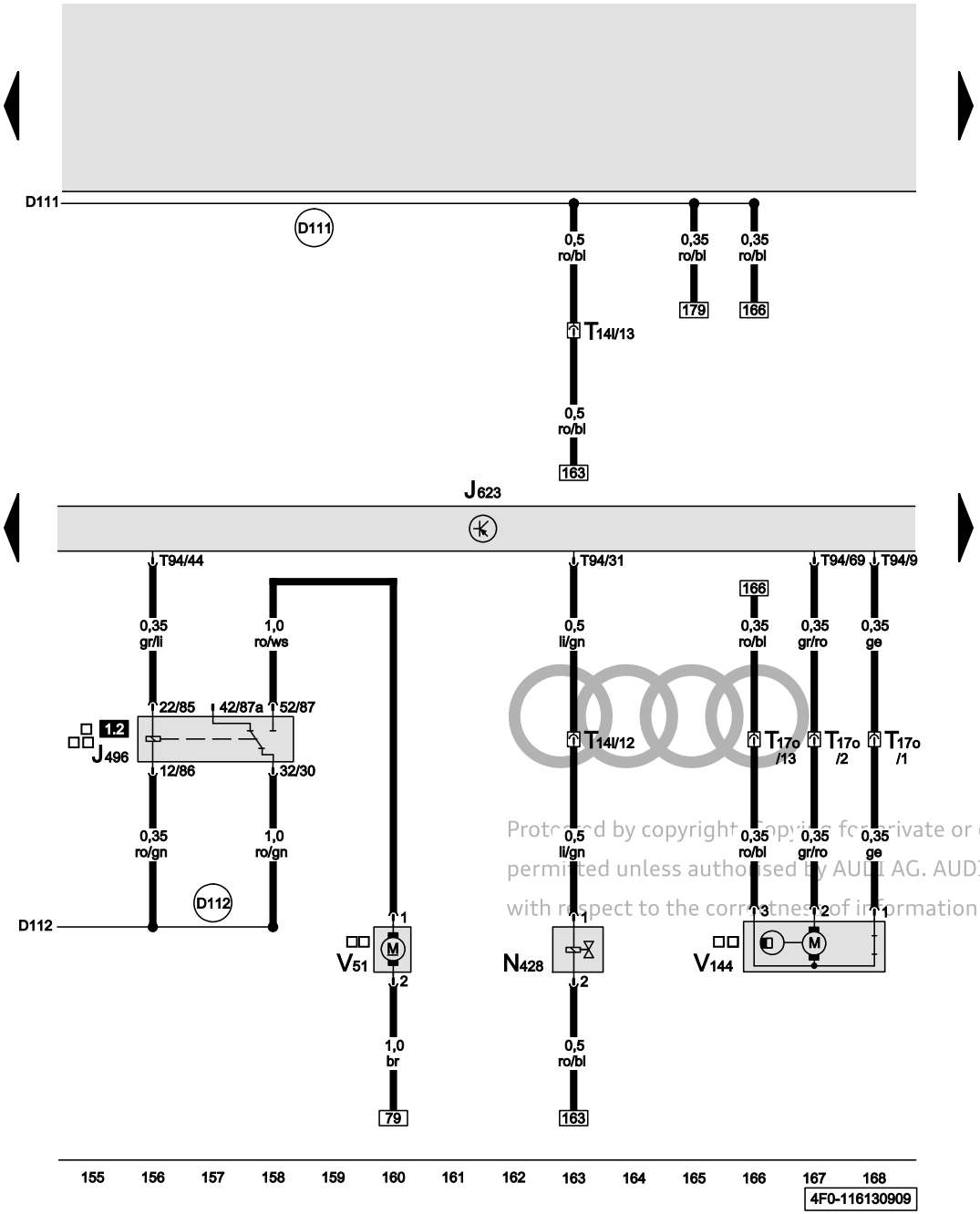
Engine control unit, activated charcoal filter system solenoid valve 1, secondary air inlet valve, electrohydraulic engine mounting solenoid valve, inlet camshaft control valve, fuel metering valve, secondary air inlet valve 2

J623	Engine control unit
N80	Activated charcoal filter solenoid valve 1
N112	Secondary air inlet valve
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N205	Camshaft control valve 1
N208	Camshaft control valve 2
N290	Fuel metering valve
N316	Intake manifold flap valve
N320	Secondary air inlet valve 2
SA3	Fuse 3 on fuse holder A
SA5	Fuse 5 on fuse holder A
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
V188	Charge air cooling pump
D111	Connection 9, in engine compartment wiring harness
D112	Connection 10, in engine compartment wiring harness



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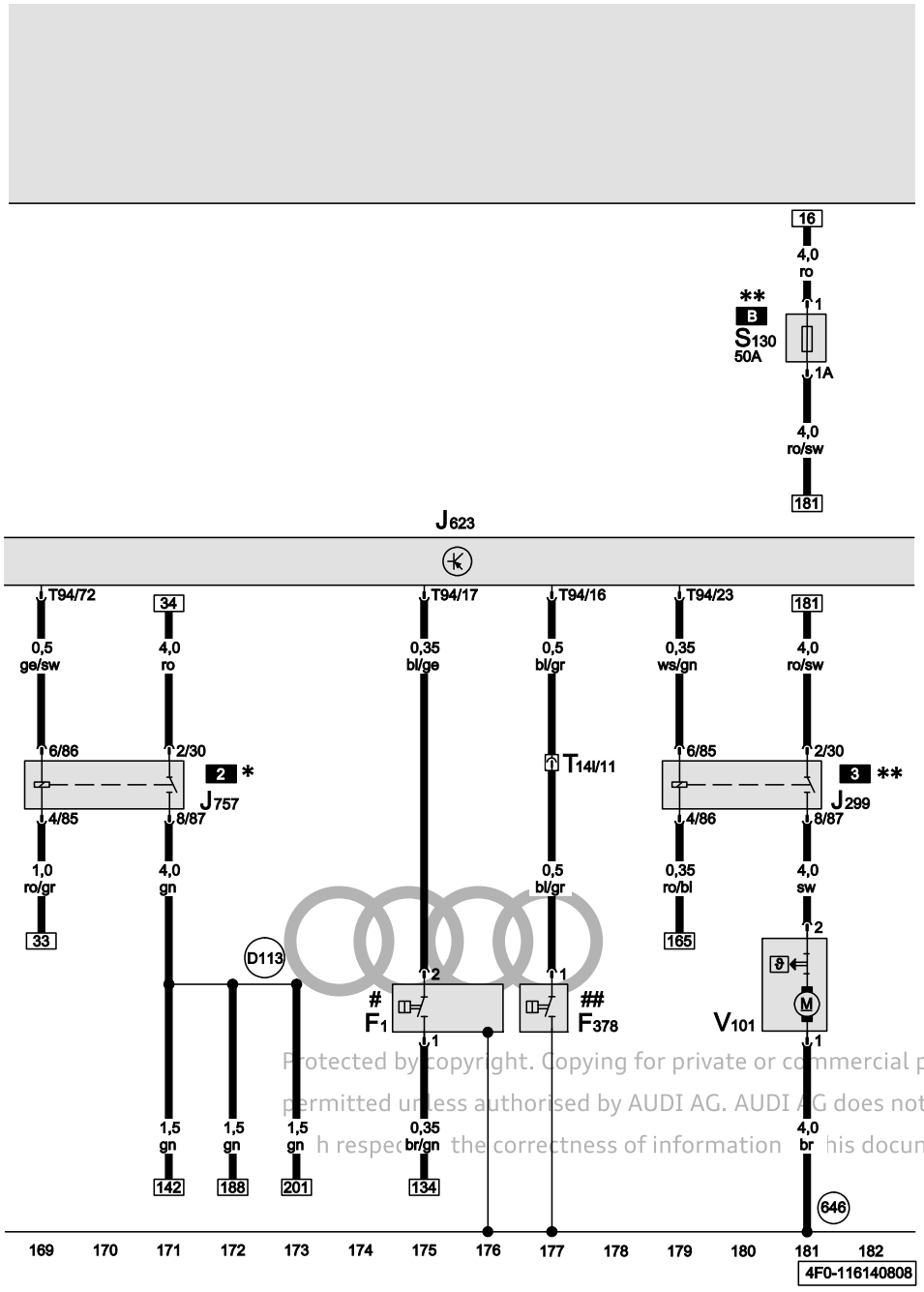


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Engine control unit, additional coolant pump relay, valve for oil pressure control, continued coolant circulation pump, fuel system diagnostic pump

J496	Auxiliary coolant pump relay
J623	Engine control unit
N428	Oil pressure regulation valve
T14l	14-pin connector, black, in engine compartment, bank 2
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94	94-pin connector, black, connector B, on engine control unit
V51	Continued coolant circulation pump
V144	Fuel system diagnostic pump
D111	Connection 9, in engine compartment wiring harness
D112	Connection 10, in engine compartment wiring harness
*	Relay carrier in electronics box, in plenum chamber, left
**	only countries with hot climate
***	Models with fuel system diagnostic pump

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sw	=	black
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gn	=	green
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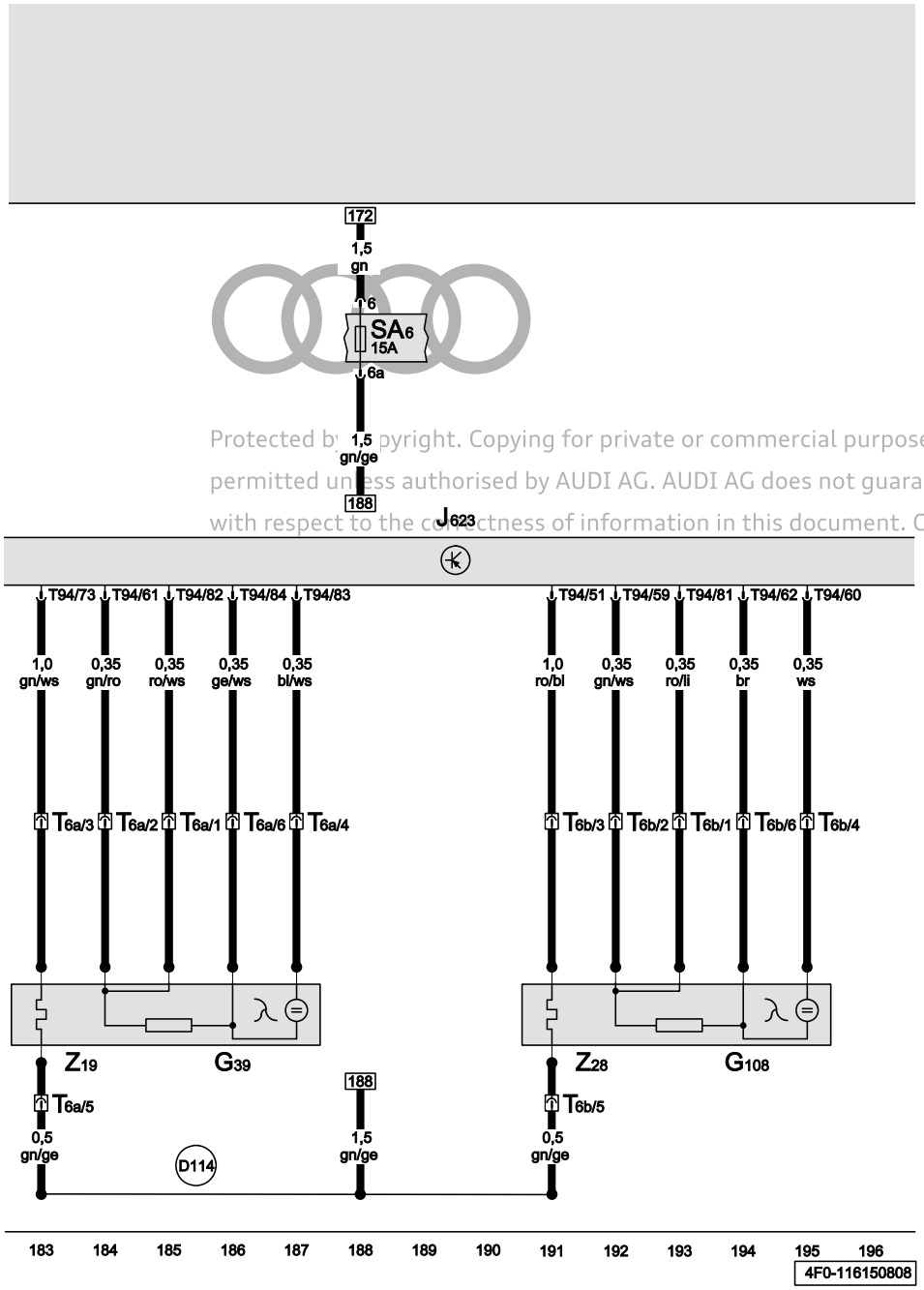


Engine control unit, secondary air pump relay, engine component current supply relay, secondary air pump motor, oil pressure switch, oil pressure switch for reduced oil pressure

F1	Oil pressure switch
F378	Oil pressure switch for reduced oil pressure
J299	Secondary air pump relay
J623	Engine control unit
J757	Engine component current supply relay
S130	Secondary air pump fuse
T14l	14-pin connector, black, in engine compartment, bank 2
T94	94-pin connector, black, connector B, on engine control unit
V101	Secondary air pump motor
646	Earth point 2, on bulkhead
D113	Connection 11, in engine compartment wiring harness
*	Relay carrier in electronics box, in plenum chamber, left
**	Relay carrier in electronics box, plenum chamber, right
#	2.6 bar
##	0.9 bar

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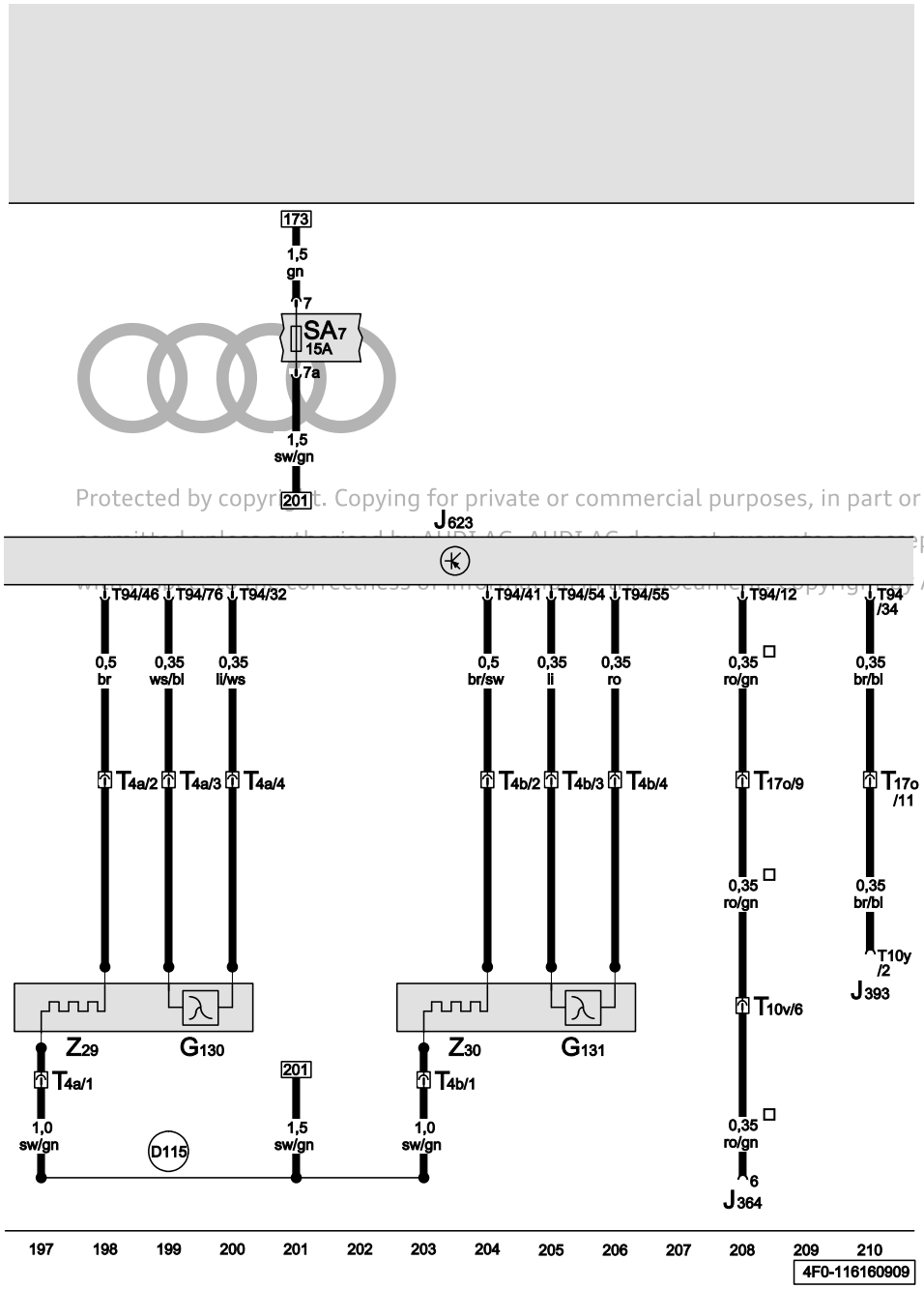


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Engine control unit, lambda probe, lambda probe 2

G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, for Lambda probe
T6b	6-pin connector, black, for Lambda probe 2
T94	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe heater 2
D114	Connection 12, in engine compartment wiring harness

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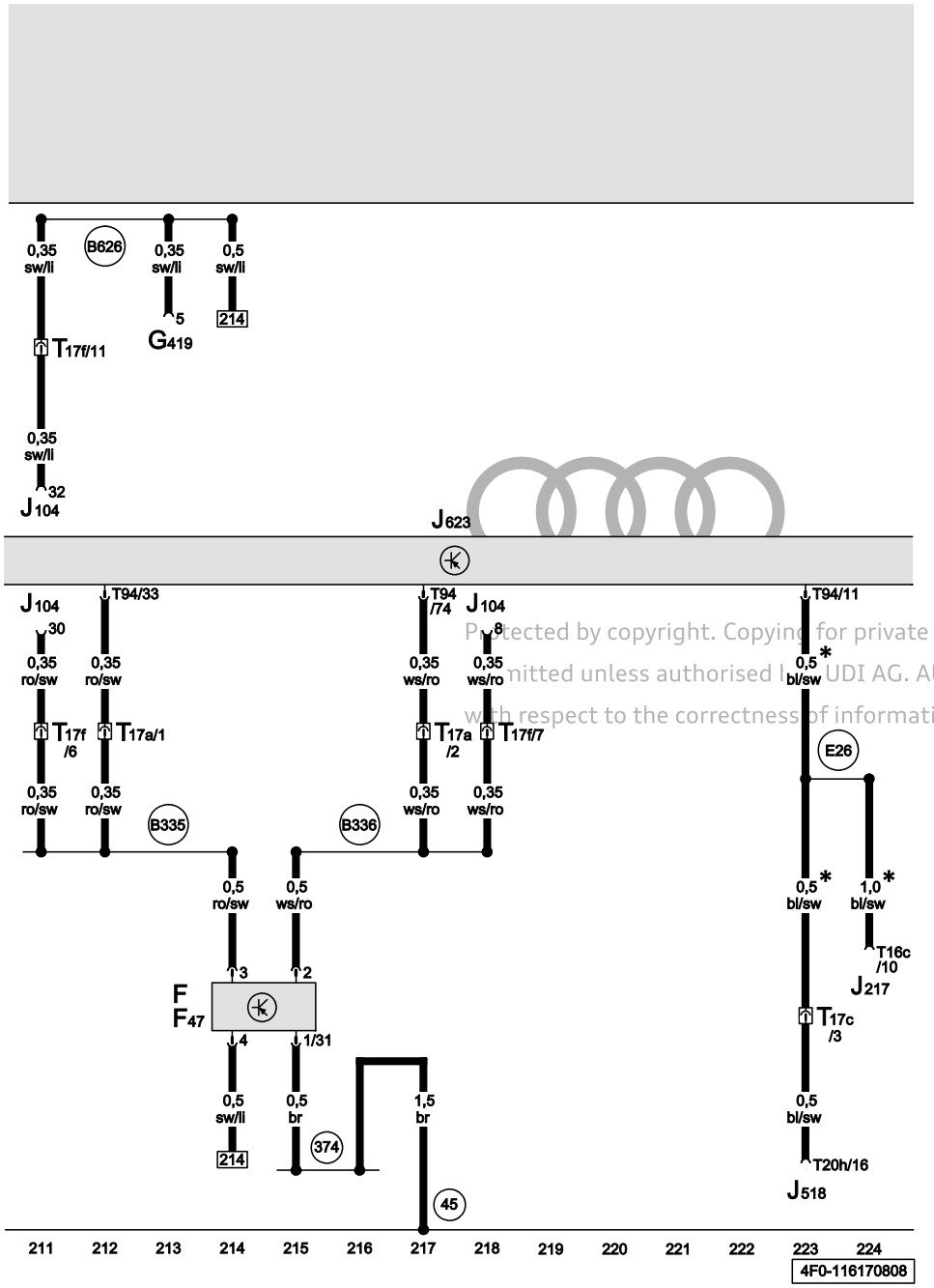


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Engine control unit, Lambda probes after catalytic converter

G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J364	Auxiliary heater control unit
J393	Convenience system central control unit
J623	Engine control unit
SA7	Fuse 7 on fuse holder A
T4a	4-pin connector, black, on Lambda probe 1 after catalytic converter
T4b	4-pin connector, brown, lambda probe 2 after catalytic converter
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T10y	10-pin connector, black, connector C, on comfort system control module
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94	94-pin connector, black, connector B, on engine control unit
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D115	Connection 13, in engine compartment wiring harness
*	Models with auxiliary heater

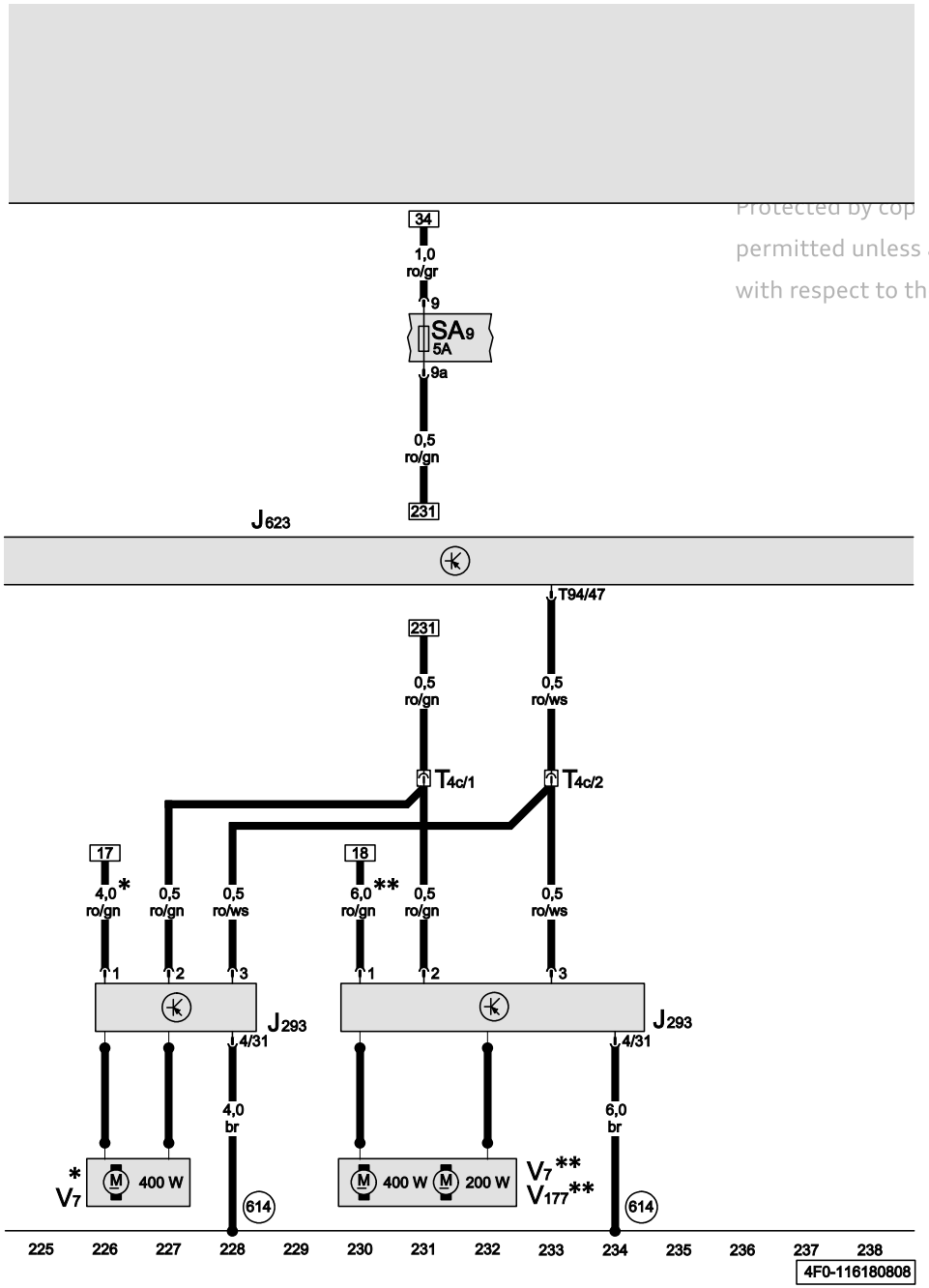


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Engine control unit, brake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left A-pillar
T20h	20-pin connector, black, connector A, on entry and start authorisation switch
T94	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
E26	Connection, selector lever lock, in Motronic wiring harness
*	Models with automatic gearbox 09L



Engine control unit, radiator fan

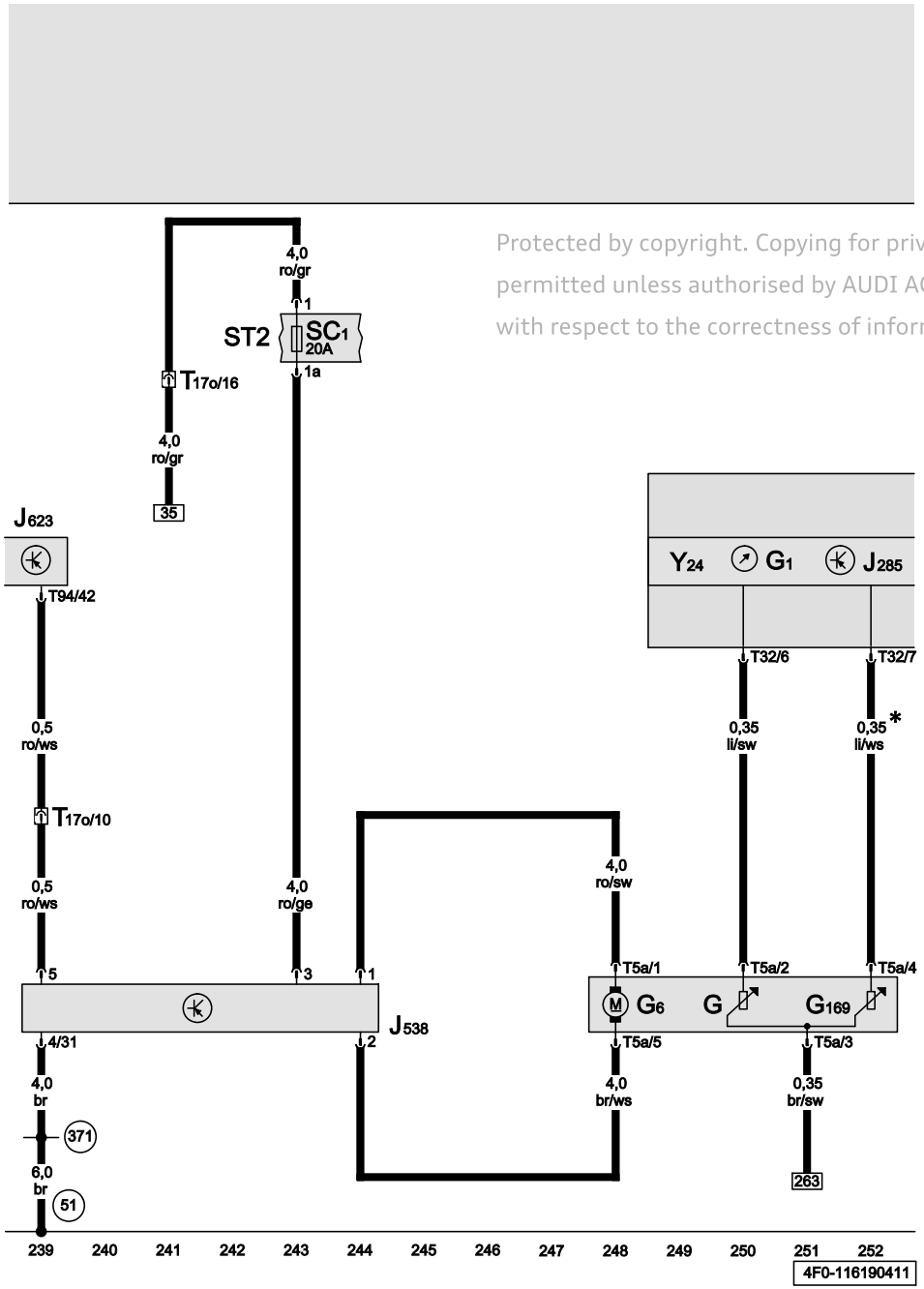
J293	Radiator fan control unit
J623	Engine control unit
SA9	Fuse 9 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T94	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
*	Models without trailer towing attachment
**	Models with trailer towing attachment

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Fuel pump control unit, control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sender, fuel gauge

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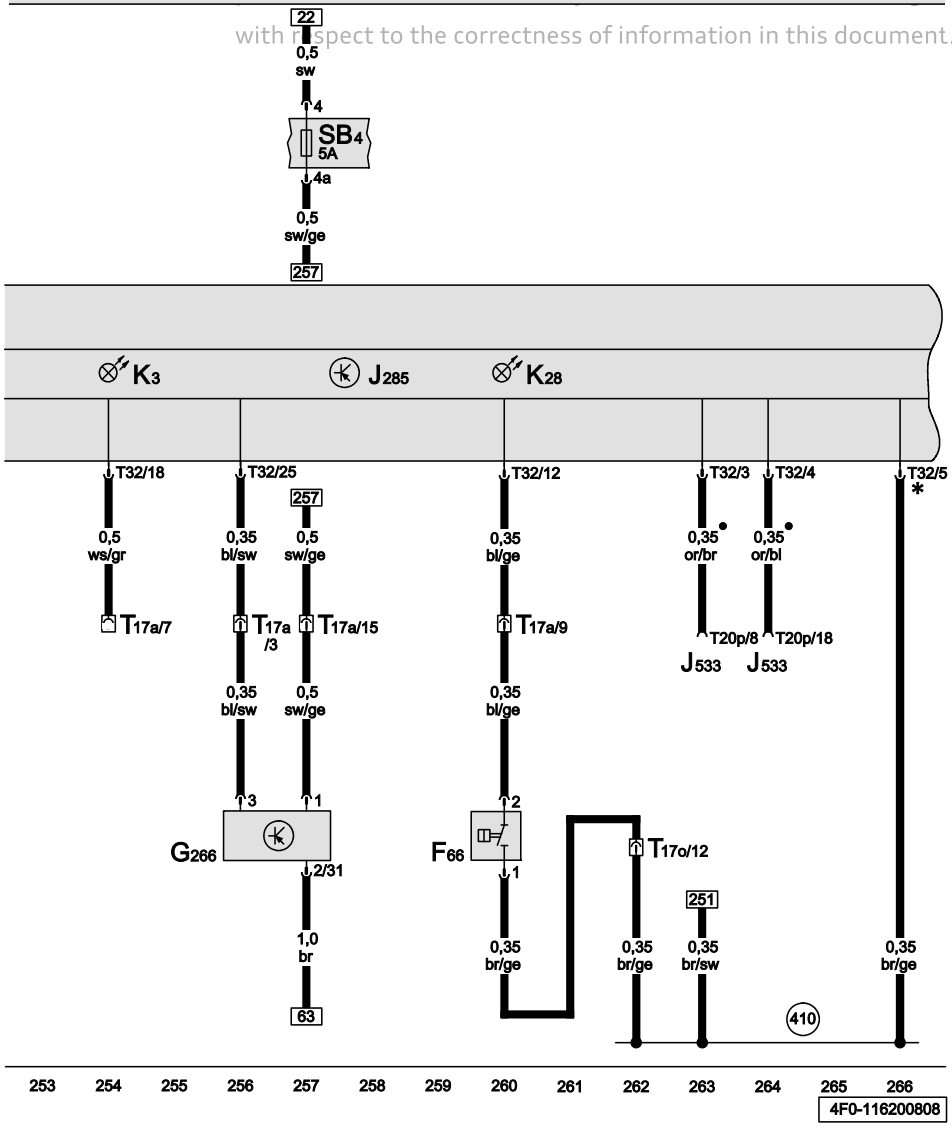
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J538	Fuel pump control unit
J623	Engine control unit
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
T94	94-pin connector, black, connector B, on engine control unit
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
D107	Connection 5, in engine compartment wiring harness
*	Only for all-wheel drive

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Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, coolant shortage indicator switch, oil level and oil temperature sender

F66	Engine coolant level warning switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuses 4 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
410	Earth connection 1 (sender earth) in main wiring harness
•	CAN bus (data wire)
*	Sensor earth output



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Audi A6 2.8 l Fuel injection engine (140 kW - 6 cylinder), engine code CCDA
from September 2008

Audi A6 2.8 l Fuel injection engine (162 kW - 6 cylinder), engine code CCEA
from September 2008

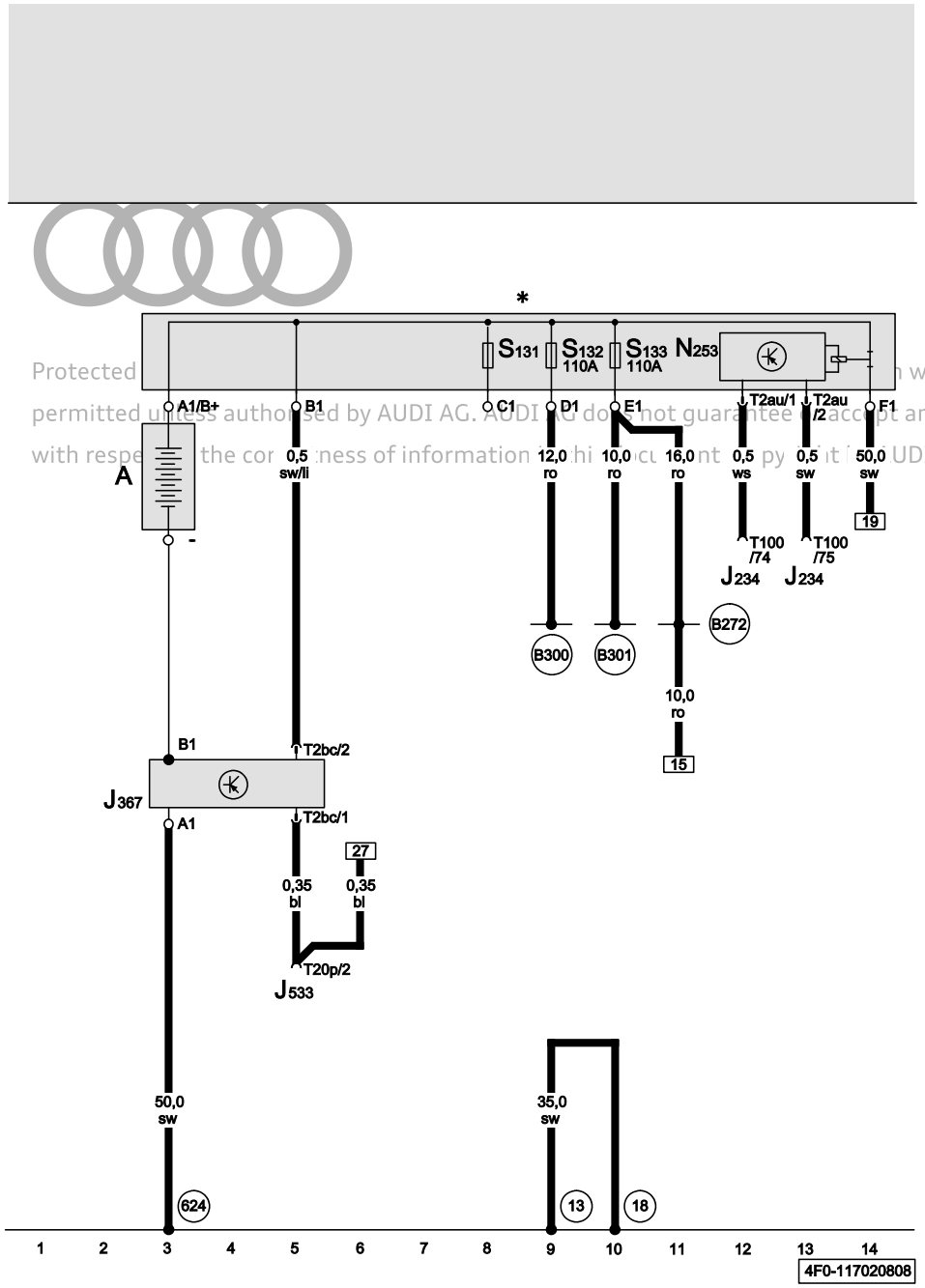
Audi A6 3.2 l Fuel injection engine (195 kW - 6 cylinder), engine code CALA
from September 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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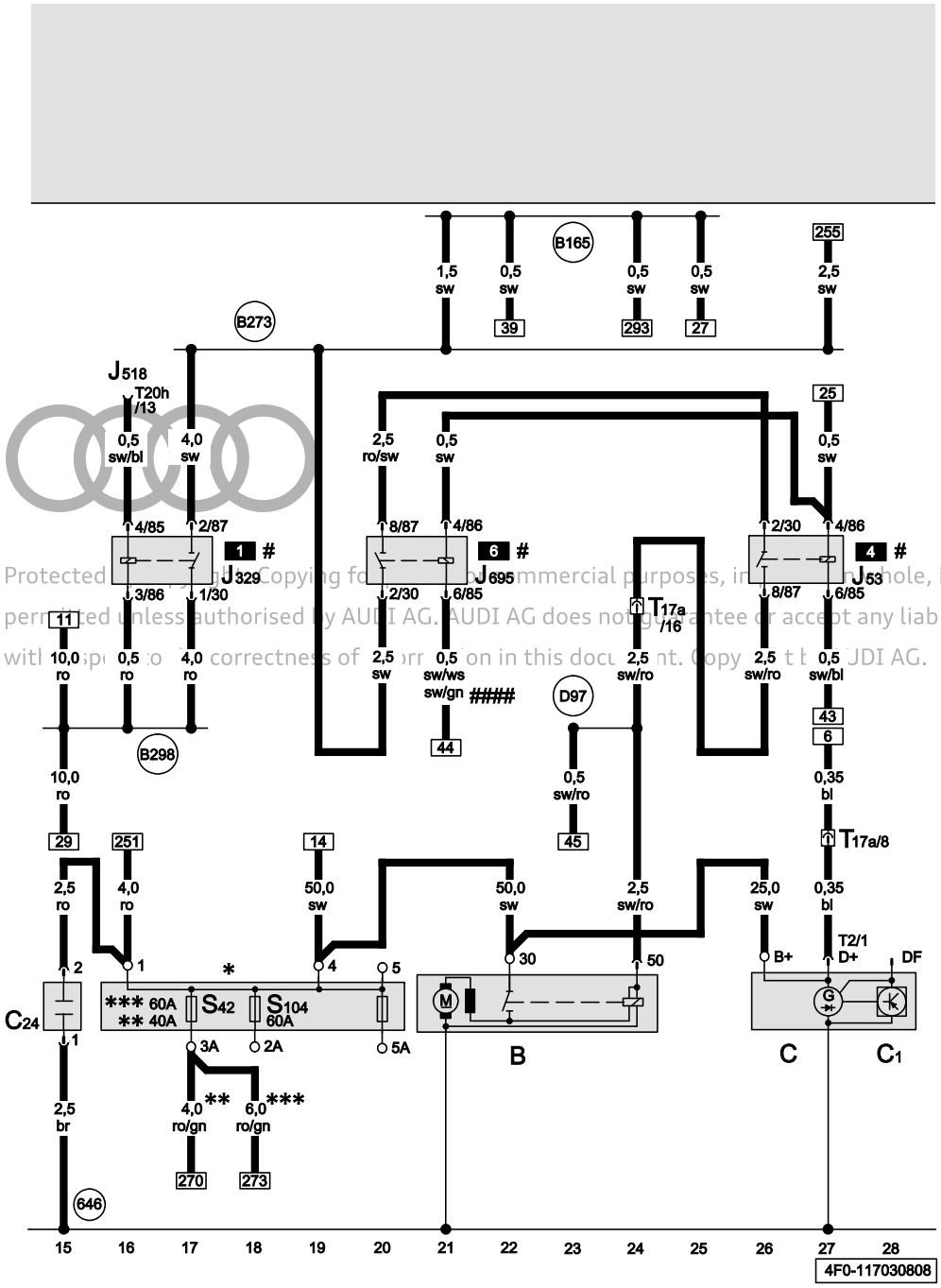


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Battery, battery monitor control unit, fuses

A	Battery
J234	Airbag control unit
J367	Battery monitor control unit
J533	Data bus diagnostic interface
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T2bc	2-pin connector, yellow, on battery monitor control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T100	100-pin connector, blue, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery

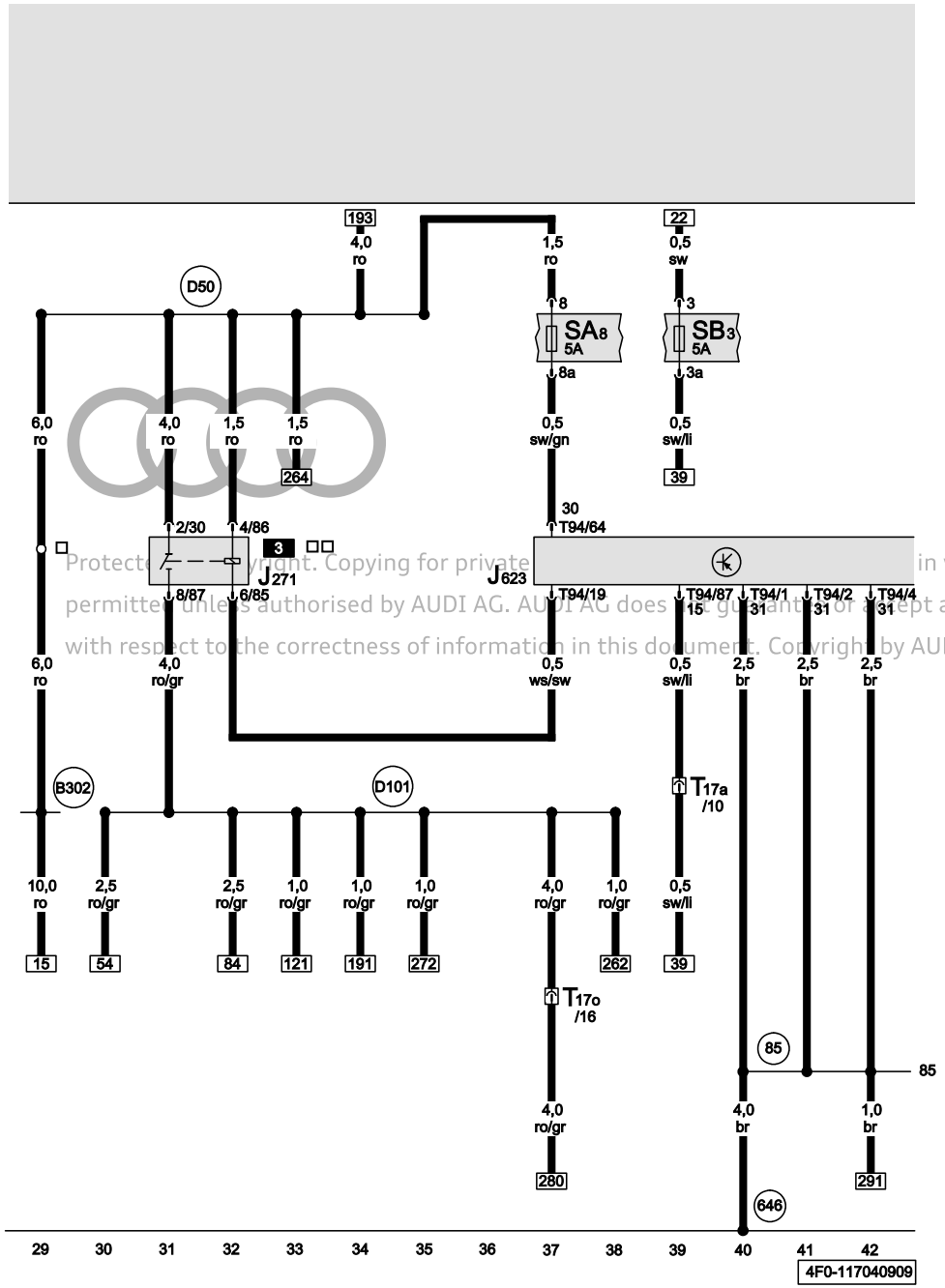


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Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
**	models without trailer towing attachment
***	models with trailer towing attachment
#	9-point relay carrier, behind driver storage compartment
####	right-hand drive

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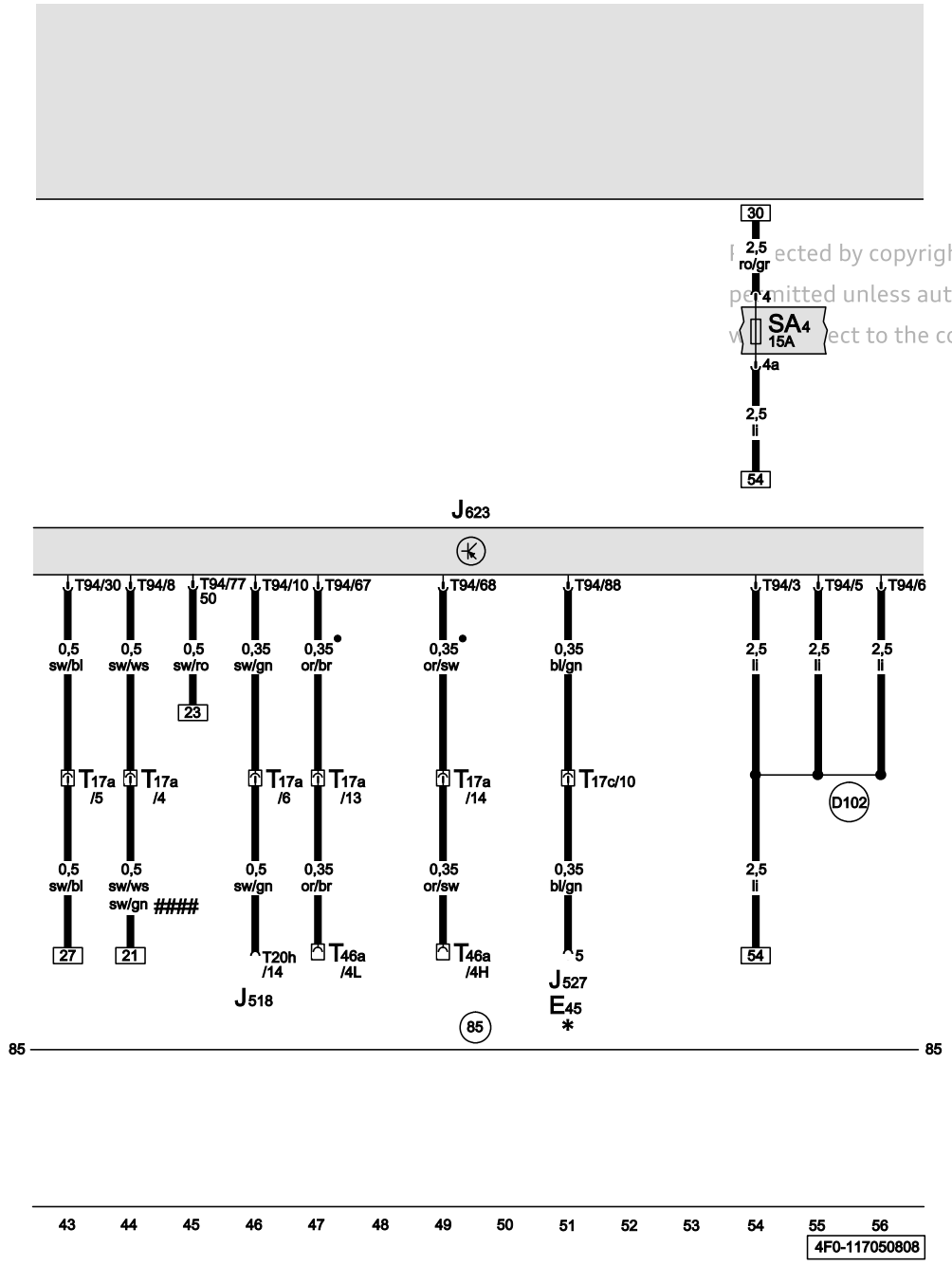


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Engine control unit, Motronic current supply relay

J271	Motronic current supply relay
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
SB3	Fuse 3 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber



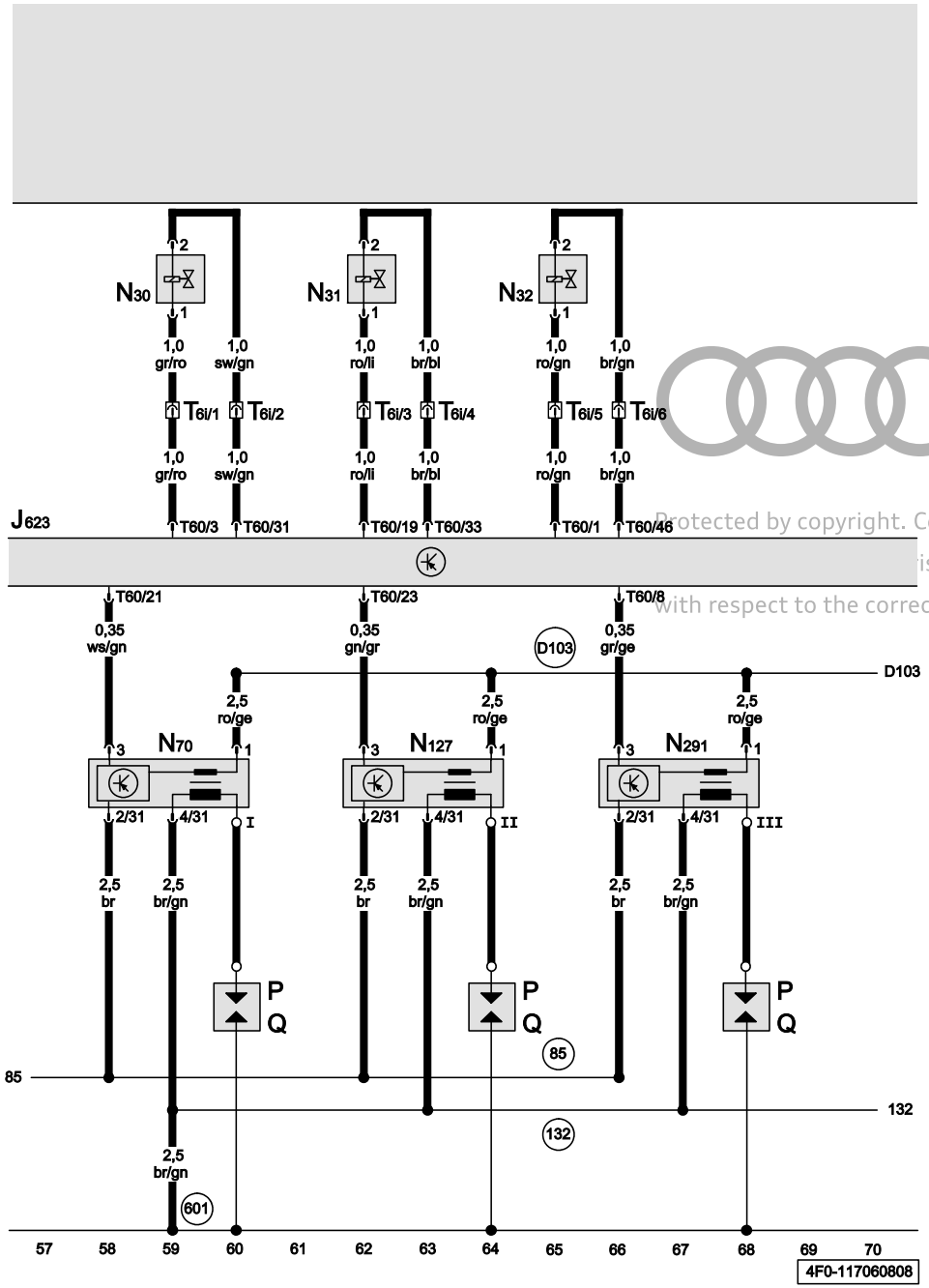
Engine control unit, CAN disconnector

E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN disconnector left
T94	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)
*	models with cruise control system
####	right-hand drive

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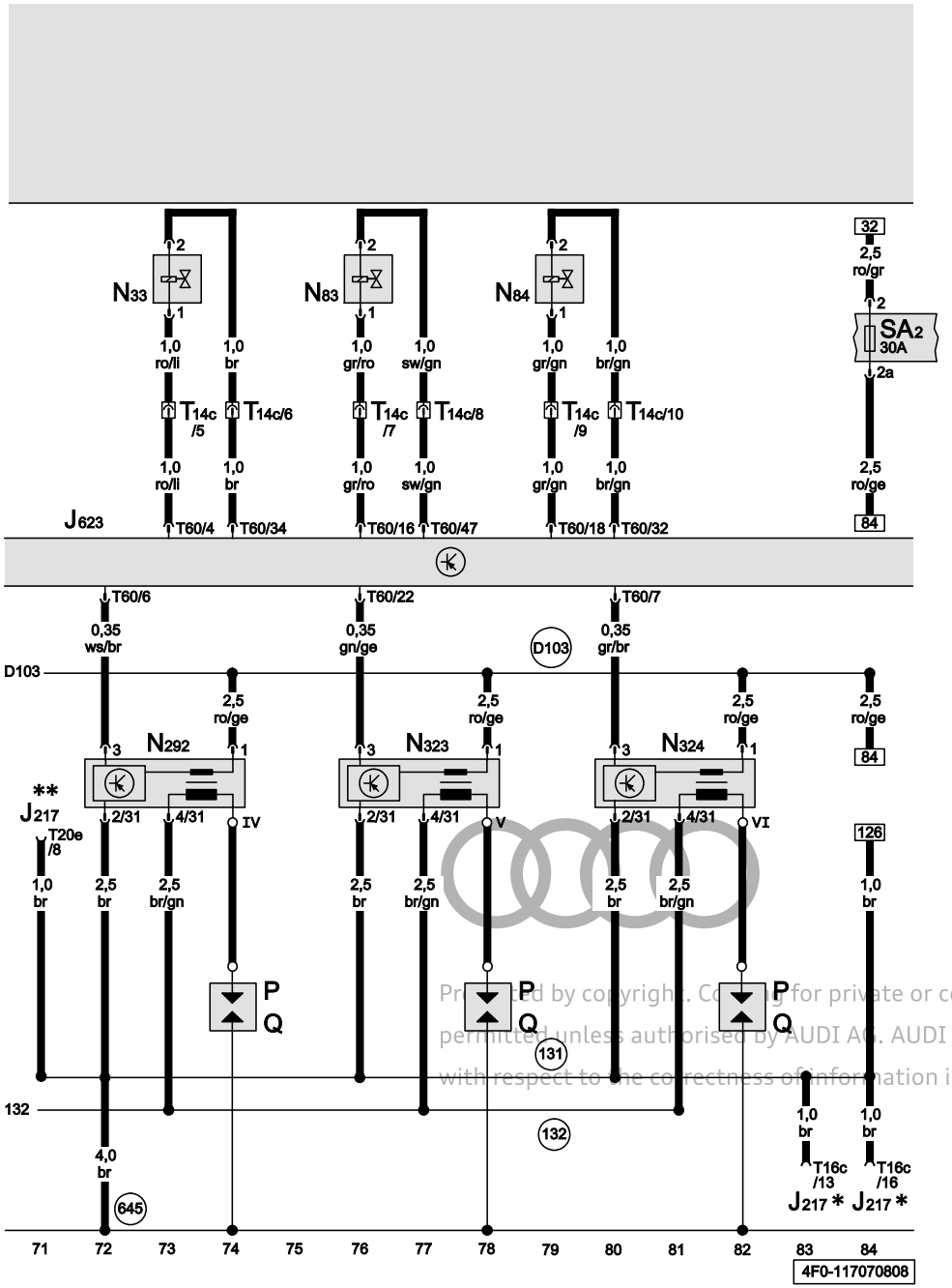
Engine control unit, injectors cylinder 1 up to 3, ignition coils 1 up to 3 with output stage



J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
P	Spark plug connector
Q	Spark plugs
T6i	6-pin connector, black, in right engine compartment
T60	60-pin connector, black, connector A, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left of cylinder head
D103	Connection 3, in engine compartment wiring harness

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Engine control unit, injectors cylinder 4 up to 6, ignition coils 4 up to 6 with output stage

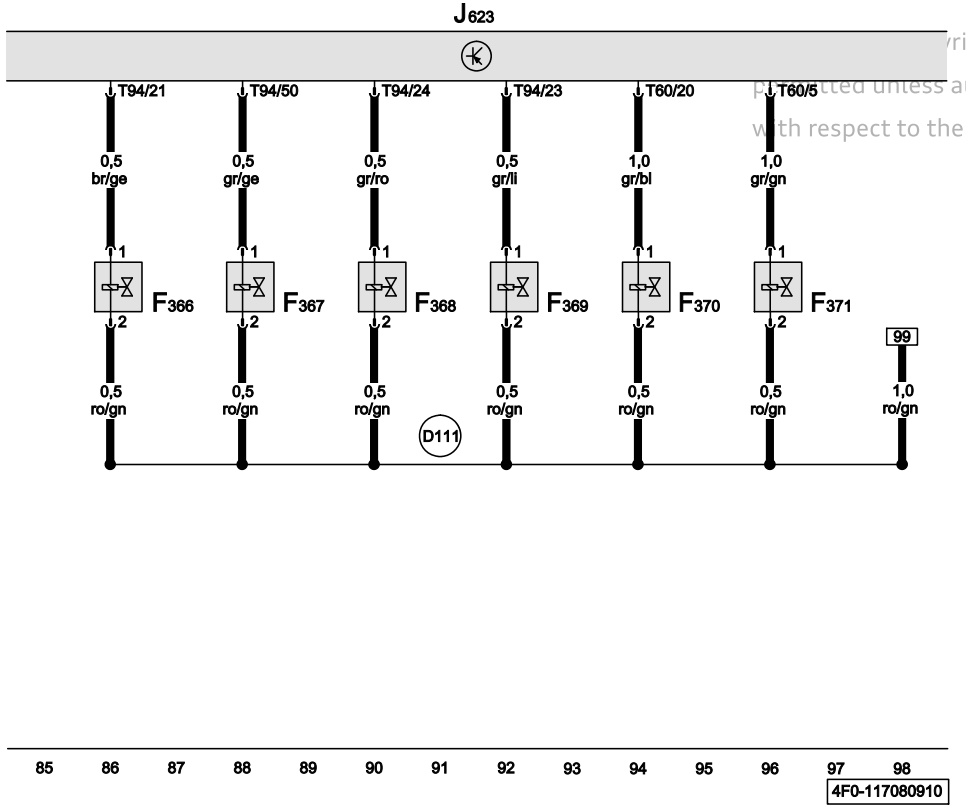
J217	Automatic gearbox control unit
J623	Engine control unit
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T14c	14-pin connector, black, on left in engine compartment
T16c	16-pin connector, black, on automatic gearbox control unit
T20e	20-pin connector, black, on automatic gearbox control unit
T60	60-pin connector, black, connector A, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
645	Earth point 1, on bulkhead
D103	Connection 3, in engine compartment wiring harness
*	models with automatic gearbox 09L
**	models with automatic gearbox 01J

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Engine control unit, actuator 1 up to 6 for camshaft adjustment

F366	Actuator 1 for camshaft adjustment
F367	Actuator 2 for camshaft adjustment
F368	Actuator 3 for camshaft adjustment
F369	Actuator 4 for camshaft adjustment
F370	Actuator 5 for camshaft adjustment
F371	Actuator 6 for camshaft adjustment
J623	Engine control unit
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
D111	Connection 9, in engine compartment wiring harness

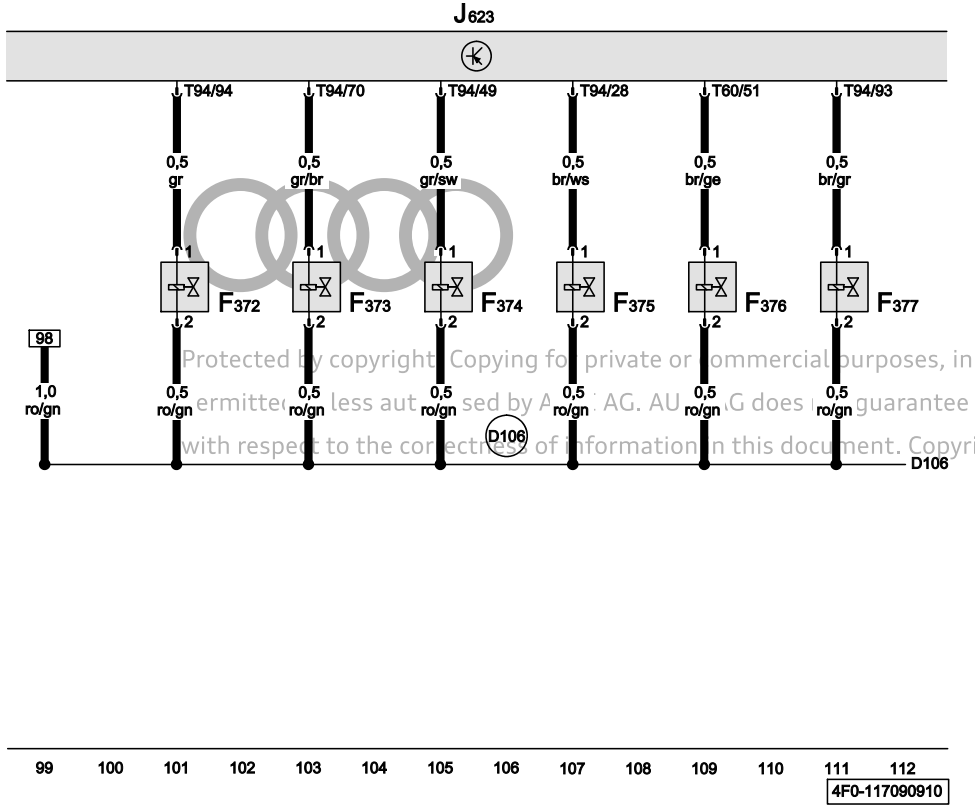


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Engine control unit, actuator 7 up to 12 for camshaft adjustment

F372	Actuator 7 for camshaft adjustment
F373	Actuator 8 for camshaft adjustment
F374	Actuator 9 for camshaft adjustment
F375	Actuator 10 for camshaft adjustment
F376	Actuator 11 for camshaft adjustment
F377	Actuator 12 for camshaft adjustment
J623	Engine control unit
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
D106	Connection 4, in engine compartment wiring harness

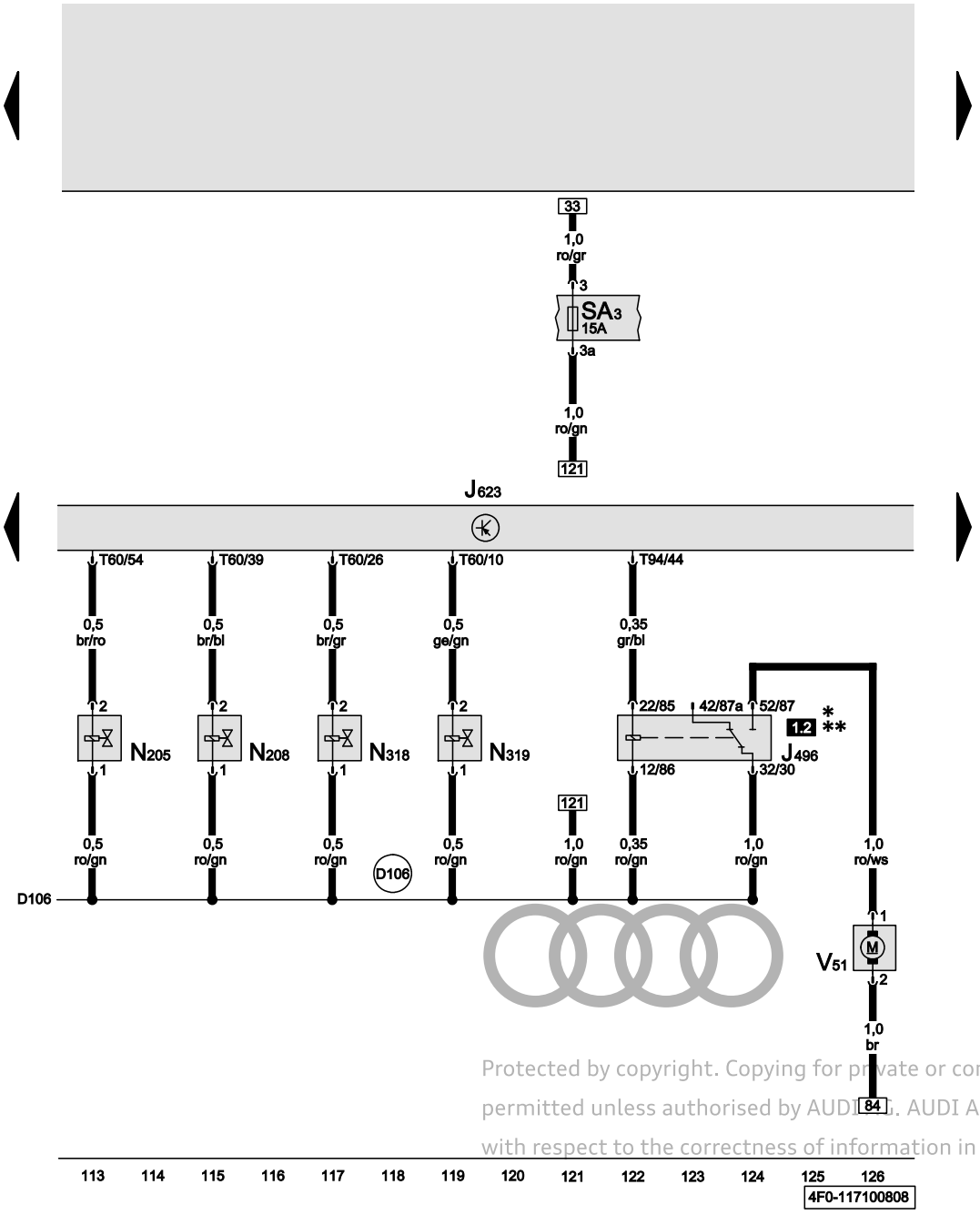


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Engine control unit, additional coolant pump relay, inlet camshaft control valve, exhaust camshaft control valve

J496	Additional coolant pump relay
J623	Engine control unit
N205	Camshaft control valve 1
N208	Camshaft control valve 2
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
SA3	Fuse 3 on fuse holder A
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
V51	Continued coolant circulation pump
D106	Connection 4, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	only countries with hot climate



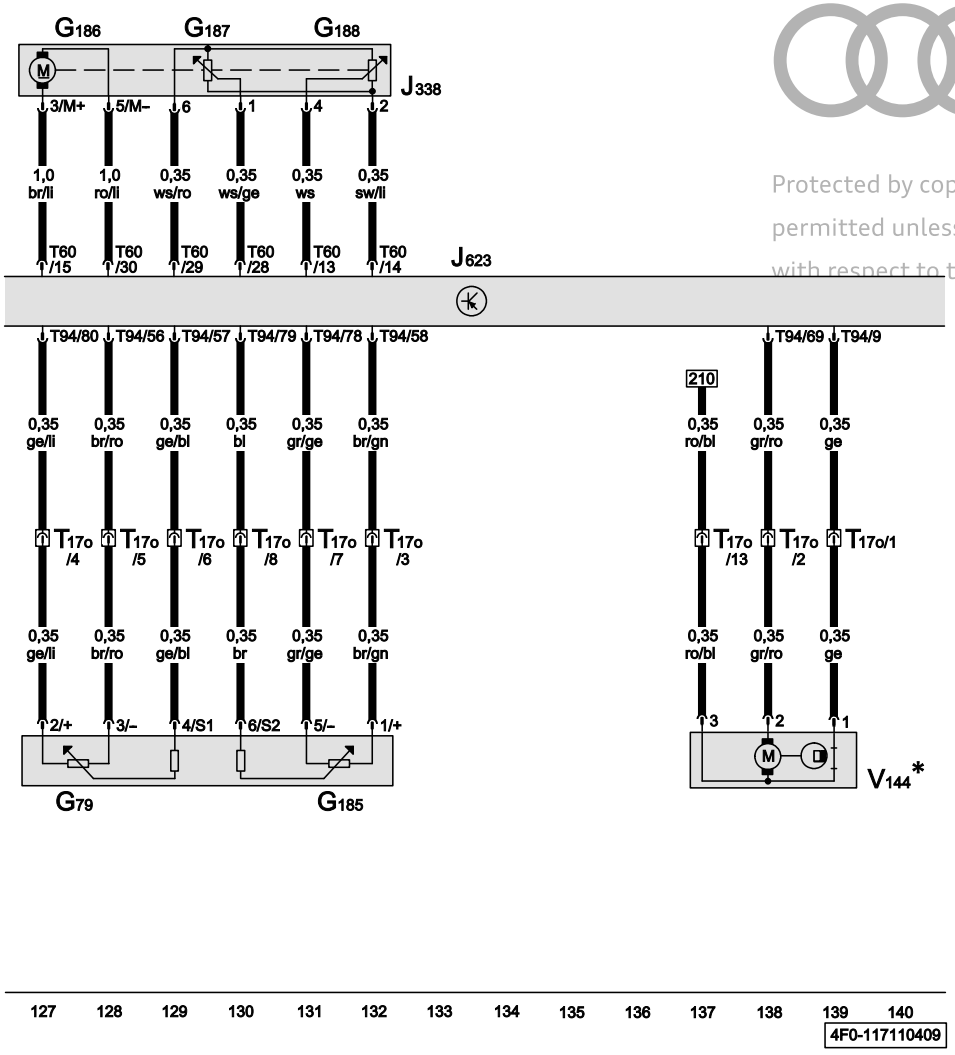
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Engine control unit, accelerator position sender, throttle valve module, fuel system diagnostic pump

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
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 control unit
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
V144	Fuel system diagnostic pump
*	models with fuel system diagnostic pump

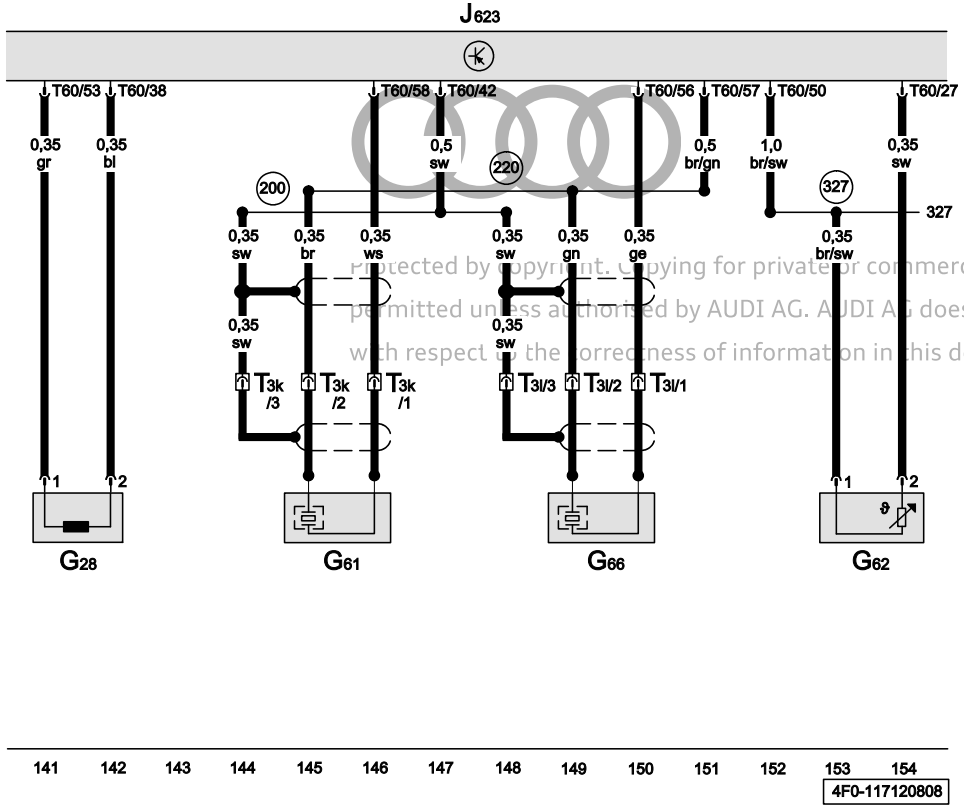
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Engine control unit, engine speed sender, coolant temperature sender, knock sensors

G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J623	Engine control unit
T3k	3-pin connector, green, on knock sensor 1
T3l	3-pin connector, grey, on knock sensor 2
T60	60-pin connector, black, connector A, on engine control unit
200	Earth connection (screening) in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
327	Earth connection (sender earth), in engine compartment wiring harness



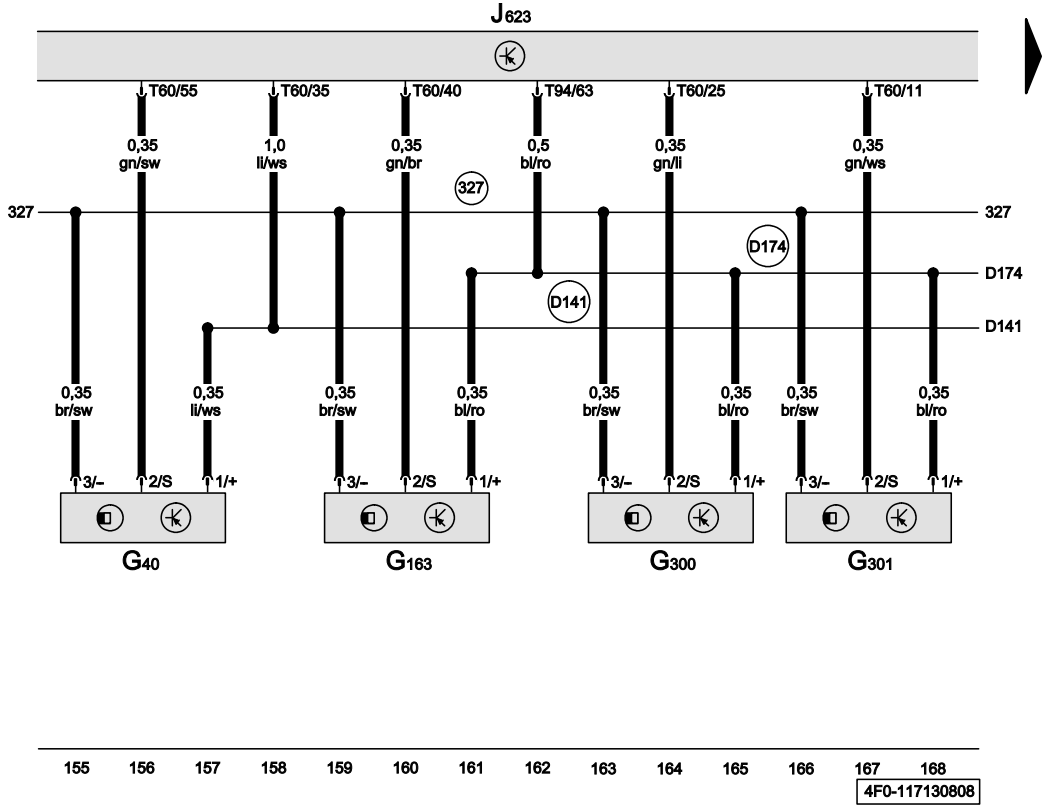
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Engine control unit, Hall sender

G40	Hall sender
G163	Hall sender 2
G300	Hall sender 3
G301	Hall sender 4
J623	Engine control unit
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
D174	Connection 2 (5V), in engine wiring harness

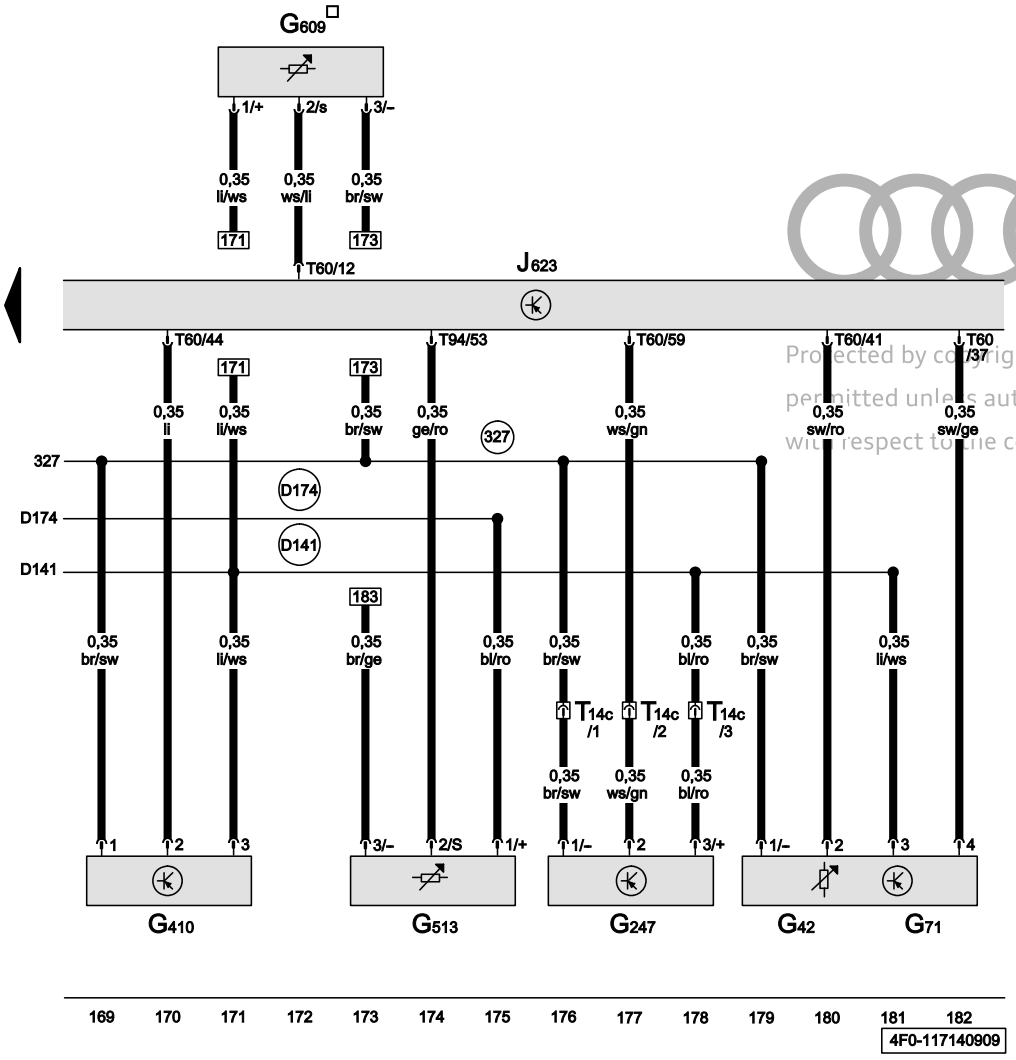
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Engine control unit, intake air temperature sender, intake manifold pressure sender, fuel pressure sender for low pressure, fuel pressure sender, variable intake manifold position sender

G42	Intake air temperature sender
G71	Intake manifold pressure sender
G247	Fuel pressure sender
G410	Fuel pressure sender for low pressure
G513	Variable intake manifold position sender
G609	Sender 1 for secondary air pressure
J623	Engine control unit
T14c	14-pin connector, black, on left in engine compartment
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
D174	Connection 2 (5V), in engine wiring harness
*	only USA



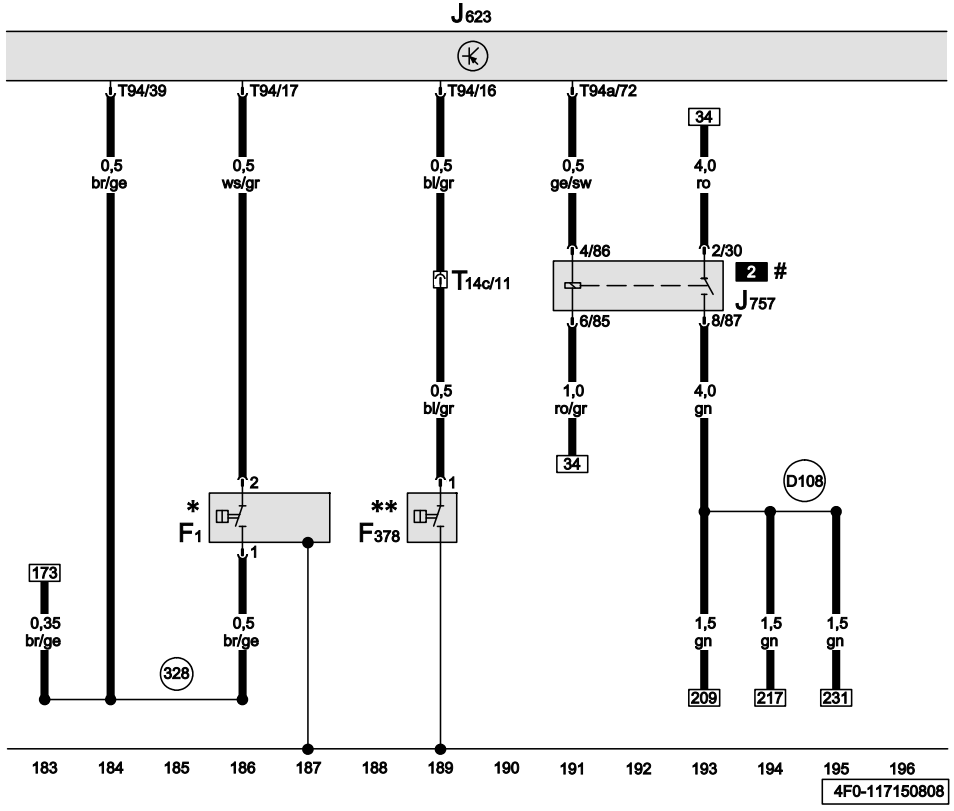
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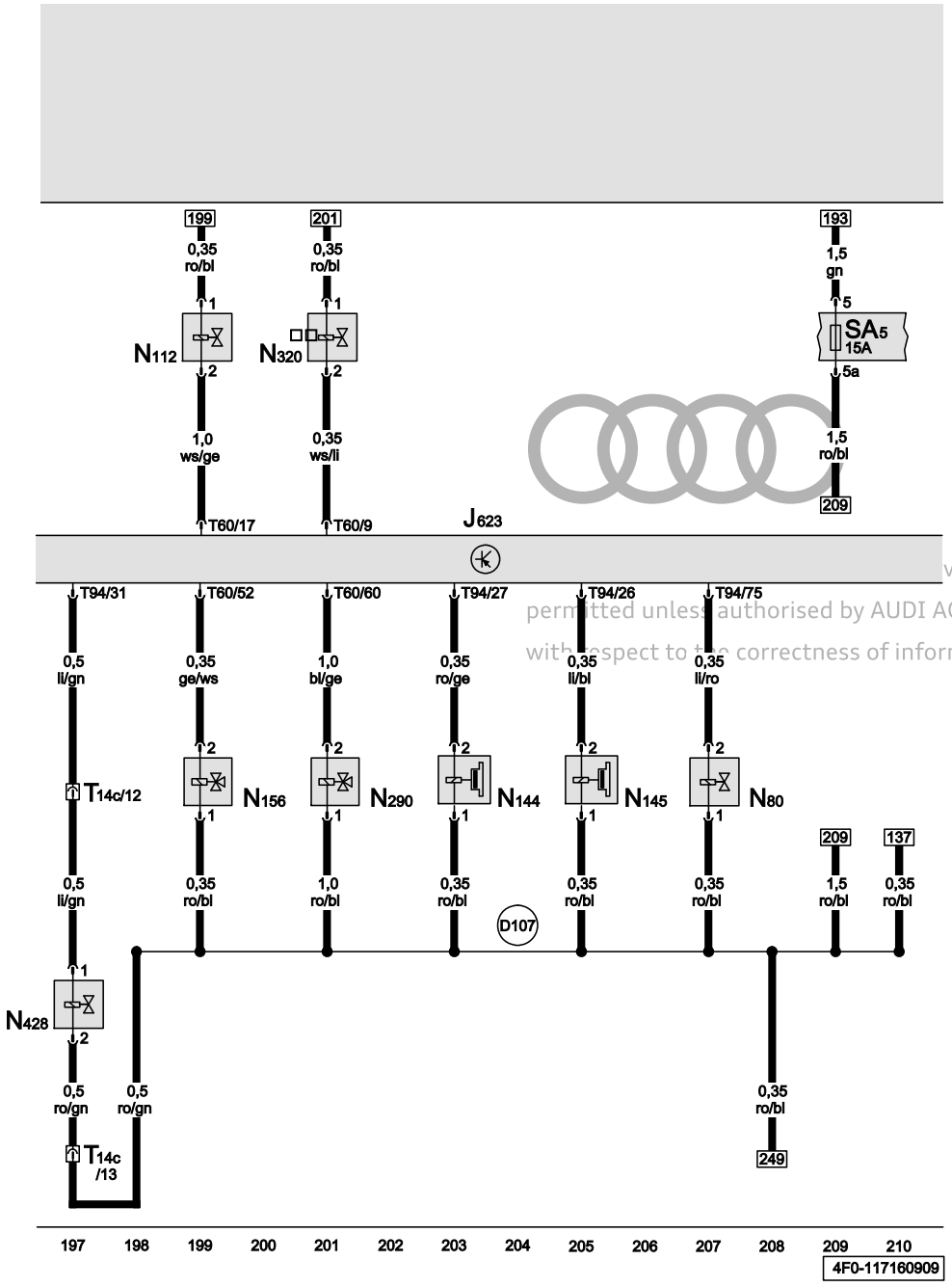
Engine control unit, engine component current supply relay, oil pressure switch, oil pressure switch for reduced oil pressure

F1	Oil pressure switch
F378	Oil pressure switch for reduced oil pressure
J623	Engine control unit
J757	Engine component current supply relay
T14c	14-pin connector, black, on left in engine compartment
T94	94-pin connector, black, connector B, on engine control unit
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
*	2.6 bar
**	0.9 bar
#	Relay carrier electronics box left in plenum chamber

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Engine control unit, activated charcoal filter solenoid valve 1, variable intake manifold change-over valve, fuel metering valve, left and right electrohydraulic engine mounting solenoid valve, valve for oil pressure control

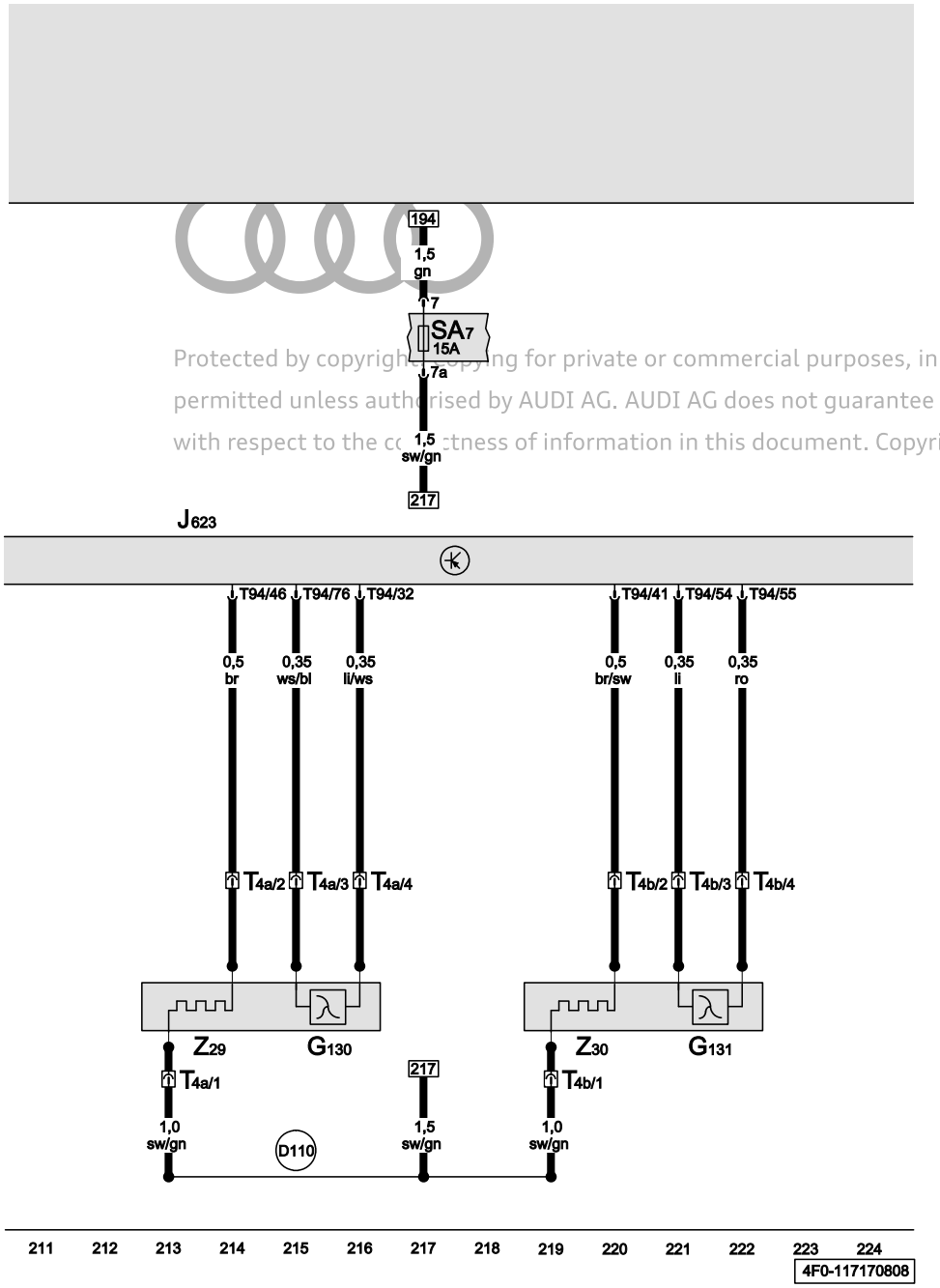
J623	Engine control unit
N80	Activated charcoal filter solenoid valve 1
N112	Secondary air inlet valve
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
N156	Variable intake manifold change-over valve
N290	Fuel metering valve
N320	Secondary air inlet valve 2
N428	Valve for oil pressure control
SA5	Fuse 5 on fuse holder A
T14c	14-pin connector, black, on left in engine compartment
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
D107	Connection 5, in engine compartment wiring harness
*	only USA

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Engine control unit, lambda probes after catalytic converter

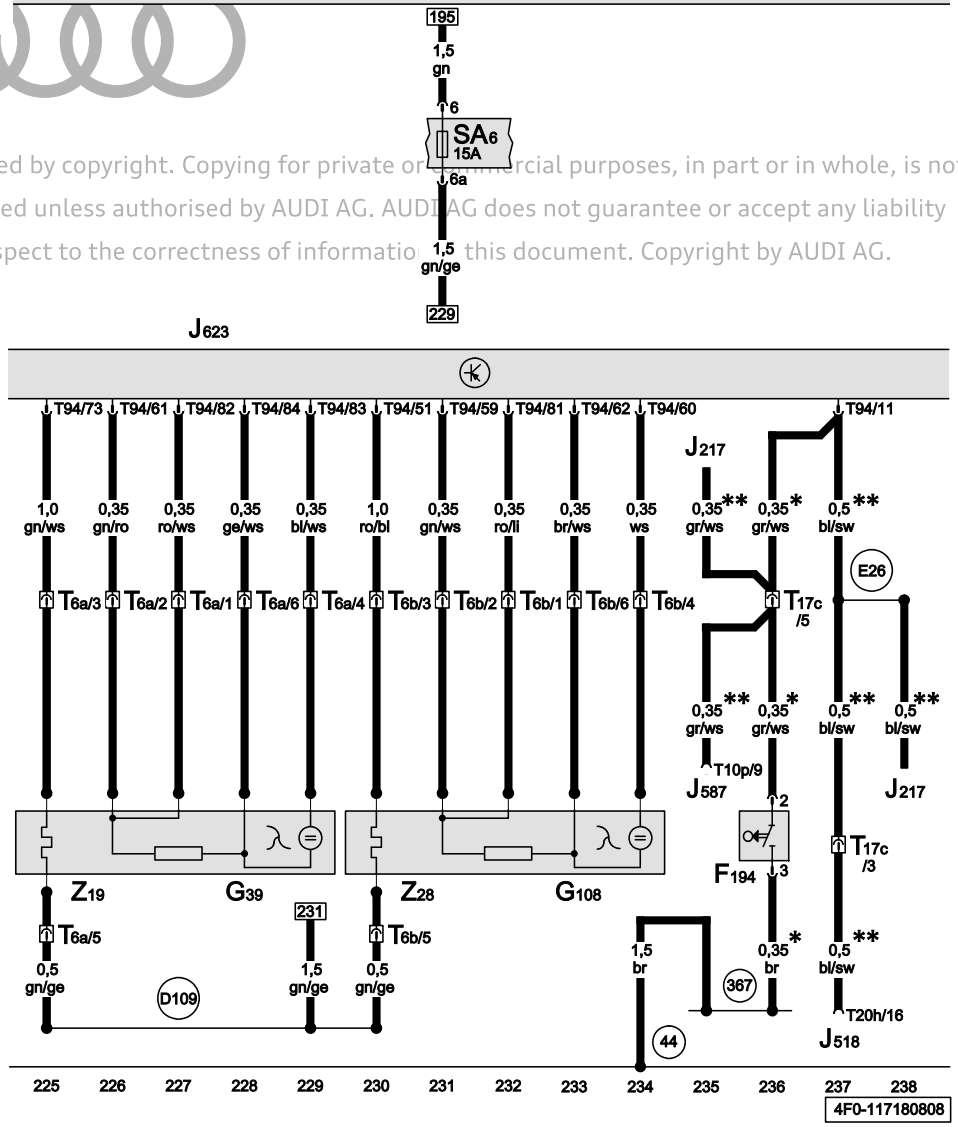
G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SA7	Fuse 7 on fuse holder A
T4a	4-pin connector, black, for Lambda probe 1 after catalytic converter
T4b	4-pin connector, brown, for Lambda probe 2 after catalytic converter
T94	94-pin connector, black, connector B, on engine control unit
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D110	Connection 8, in engine compartment wiring harness



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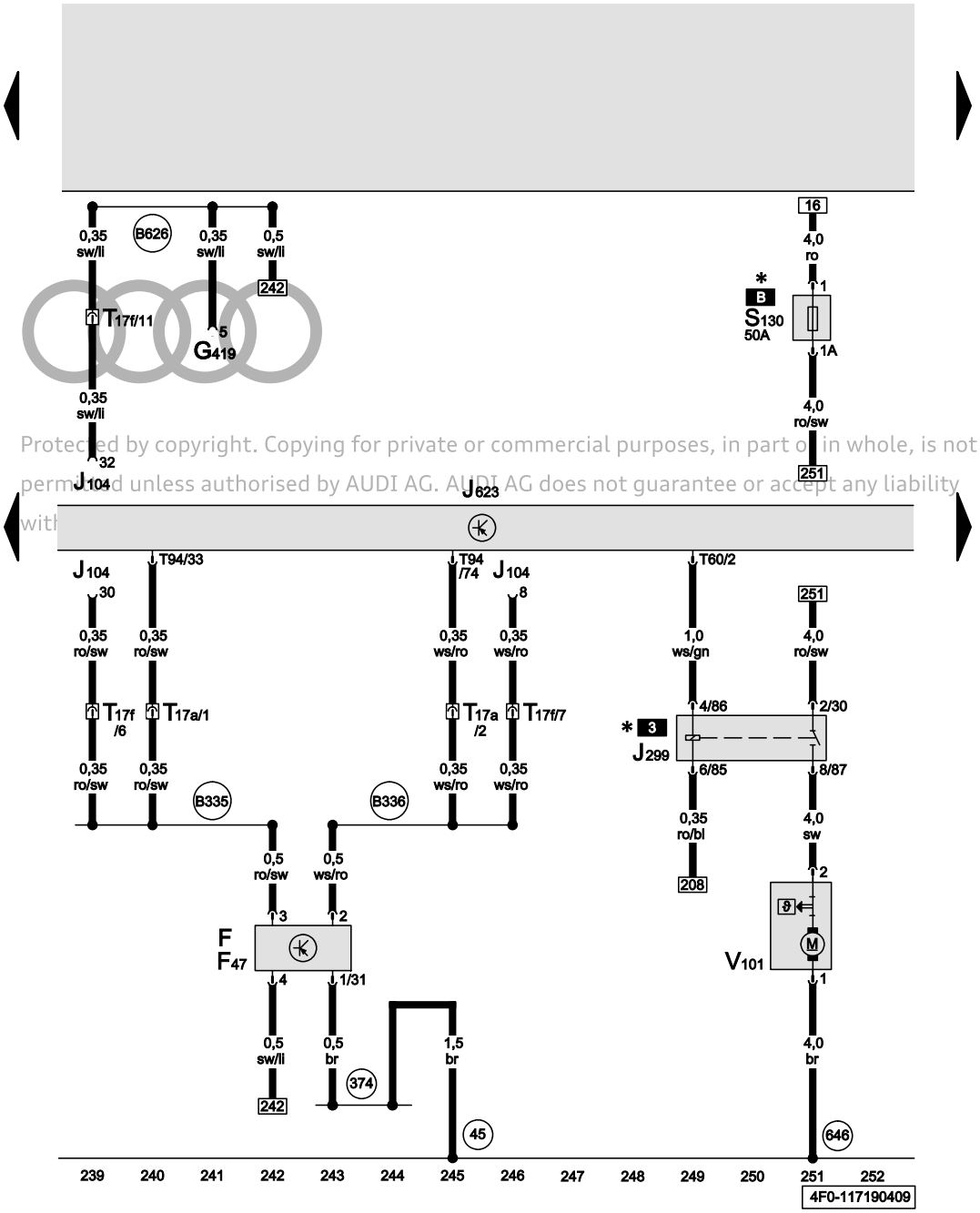
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Engine control unit, lambda probe, lambda probe 2, clutch pedal switch for engine start

F194	Clutch pedal switch for engine start
G39	Lambda probe
G108	Lambda probe 2
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J587	Selector lever sensors control unit
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, for Lambda probe
T6b	6-pin connector, black, for Lambda probe 2
T10p	10-pin connector, black, on selector lever sensors control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe heater 2
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
D109	Connection 7, in engine compartment wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
*	models with manual gearbox
**	⇒ automatic gearbox Current Flow Diagram

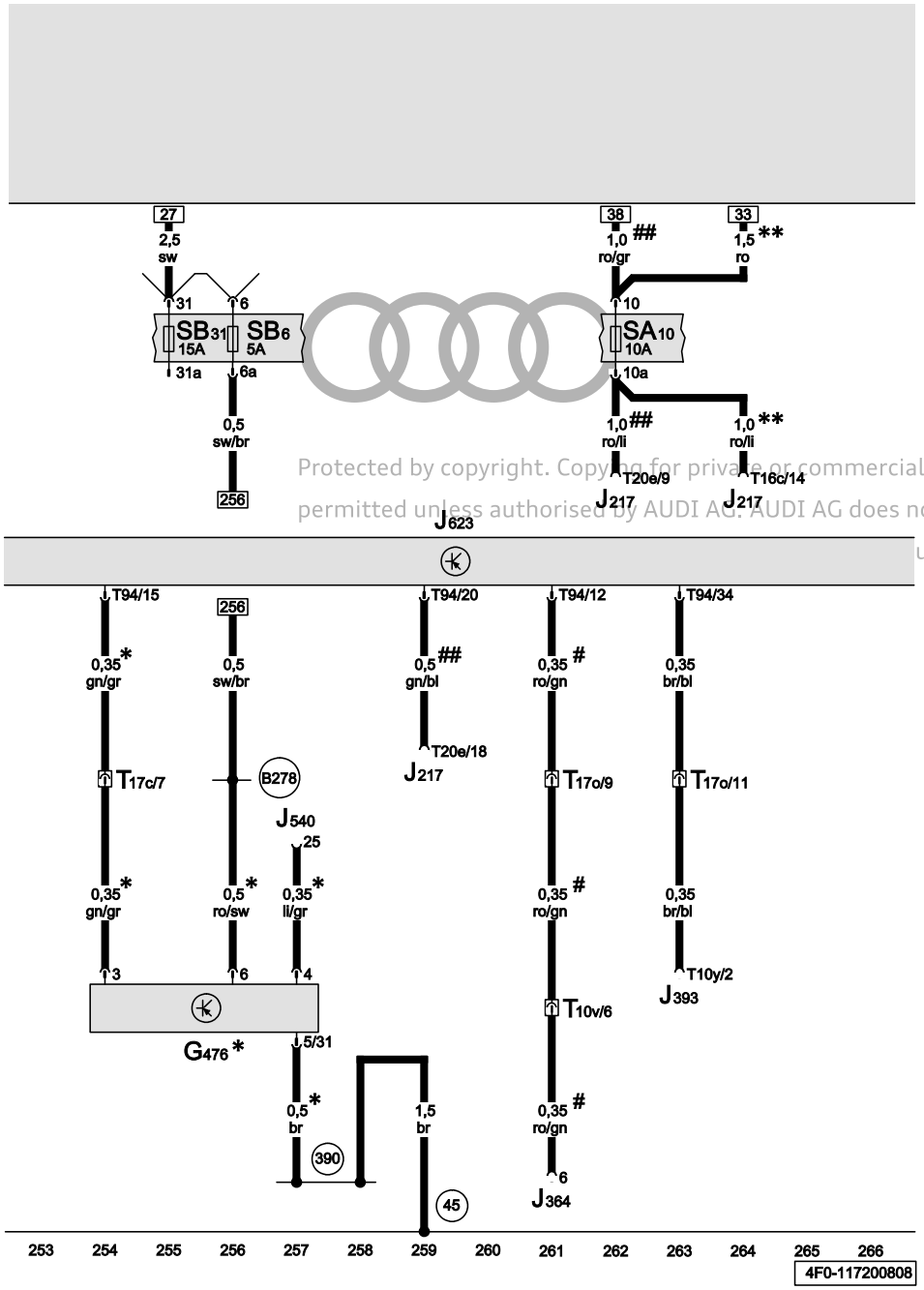


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Engine control unit, secondary air pump relay, brake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J299	Secondary air pump relay
J623	Engine control unit
S130	Secondary air pump fuse
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
V101	Secondary air pump motor
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
646	Earth point 2, on bulkhead
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
*	Relay carrier electronics box on right in plenum chamber

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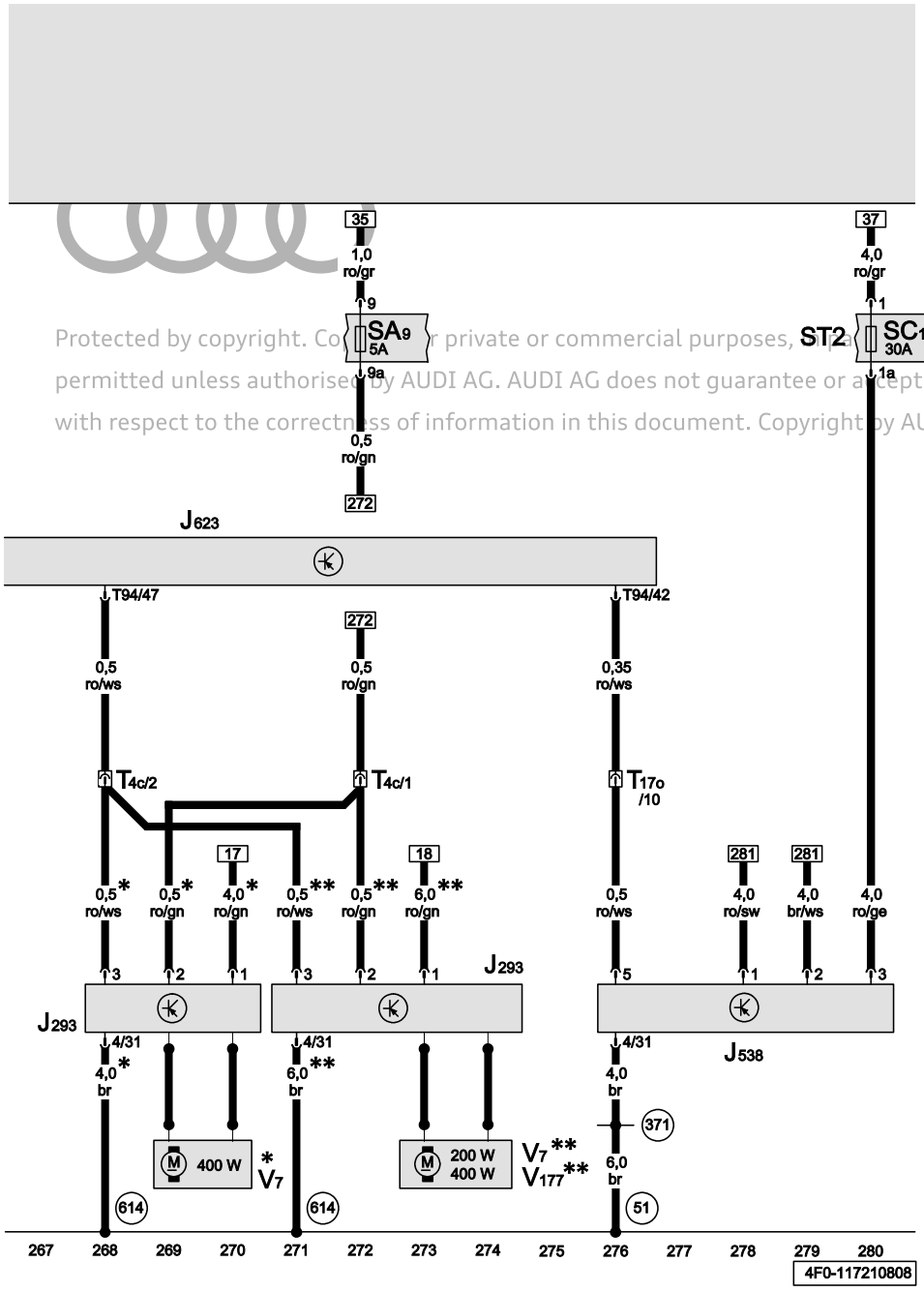


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Engine control unit, clutch position sender

G476	Clutch position sender
J217	Automatic gearbox control unit
J364	Auxiliary heater control unit
J393	Convenience system central control unit
J540	Control unit for electromechanical parking brake
J623	Engine control unit
SA10	Fuse 10 on fuse holder A
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T10y	10-pin connector, black, connector C, on convenience system control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T94	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	models with manual gearbox
**	models with automatic gearbox 09L
#	models with auxiliary heater
##	models with automatic gearbox 01J

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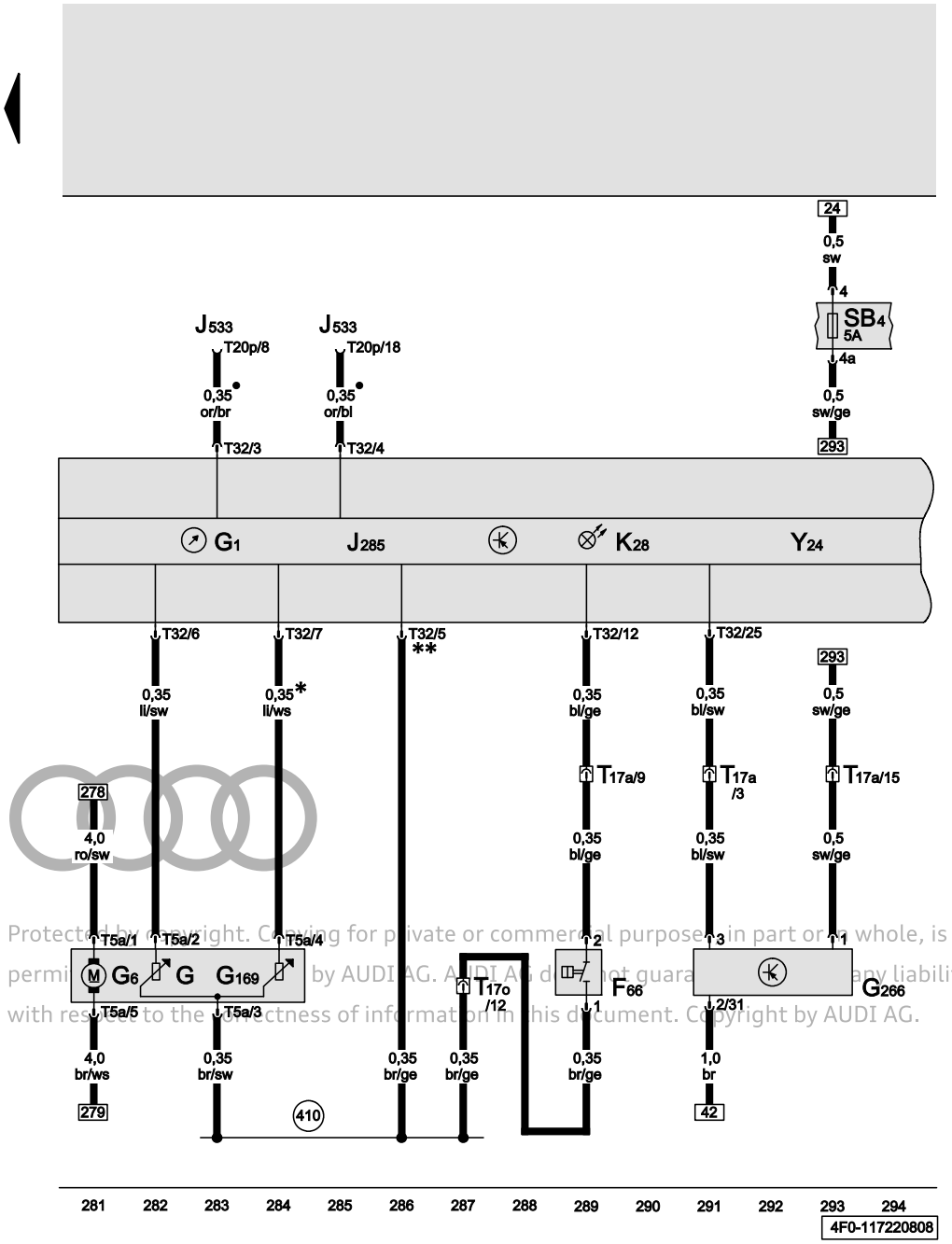


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Engine control unit, fuel pump control unit, radiator fan

J293	Radiator fan control unit
J538	Fuel pump control unit
J623	Engine control unit
SA9	Fuse 9 on fuse holder A
SC1	Fuse 1 on fuse holder C
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
614	Earth point 2, on right in engine compartment
*	models without trailer towing attachment
**	models with trailer towing attachment



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Control unit in dash panel insert, fuel gauge sender, fuel system pressurisation pump, fuel gauge sender 2, coolant shortage indicator switch, oil level and oil temperature sender

F66	Coolant shortage indicator switch
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T5a	5-pin connector, black, on fuel tank
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth) in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive
**	output sender earth

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

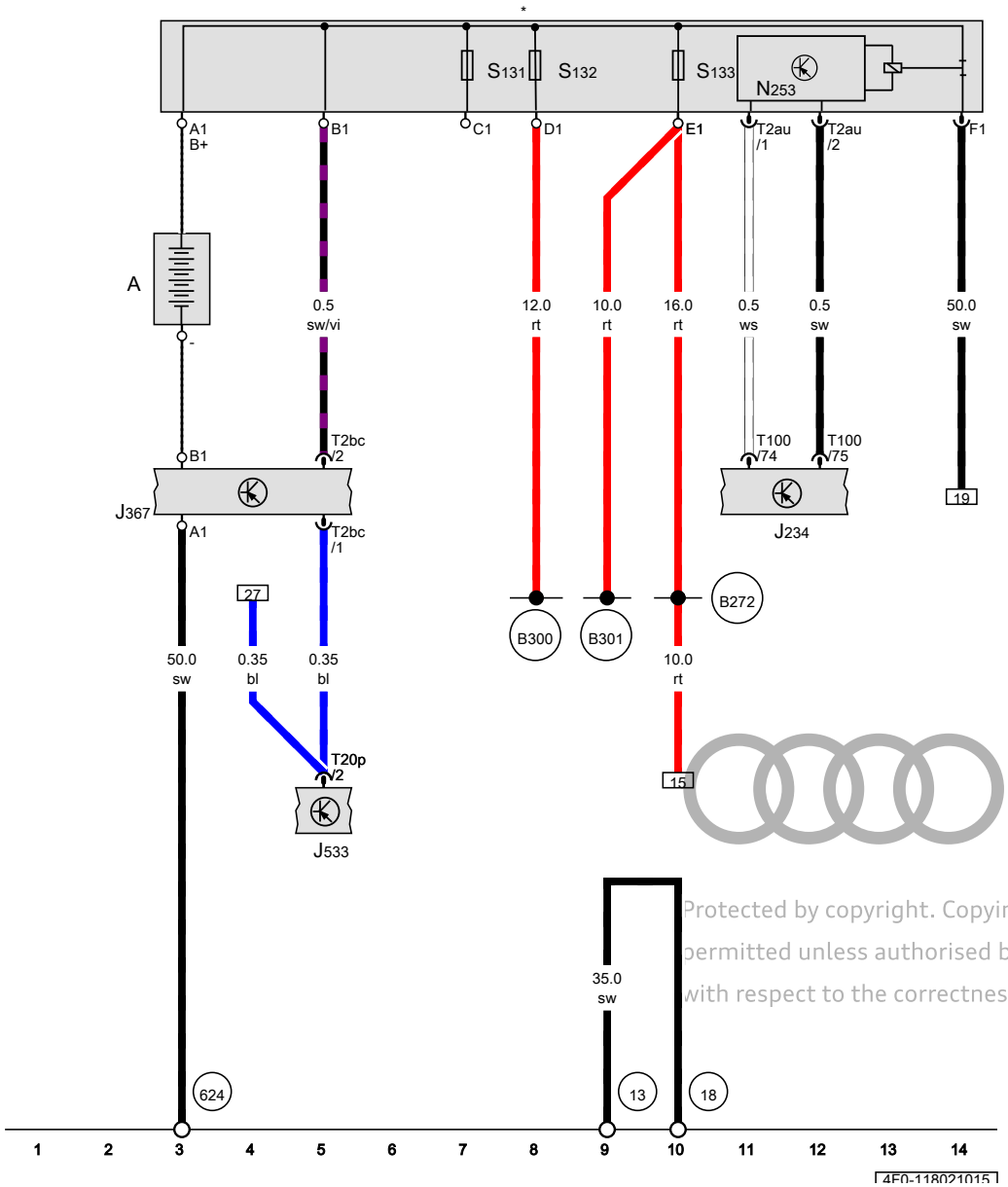
4.2l petrol engine , BVJ,CDR

From September 2008

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Airbag control unit, Battery monitor control unit, Battery isolation igniter

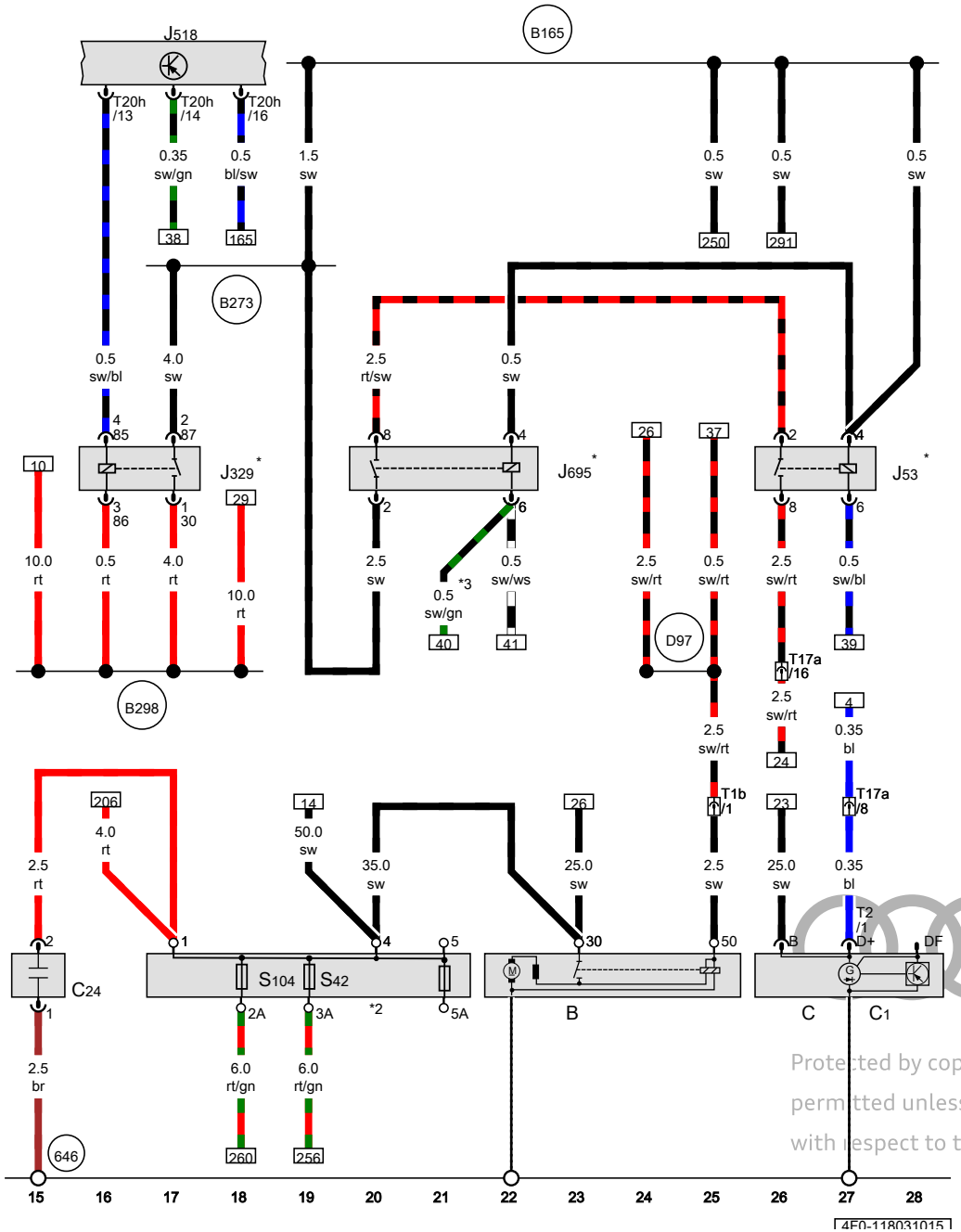
A	Battery
J234	Airbag control unit
J367	Battery monitor control unit
J533	Data bus diagnostic interface
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T2bc	2-pin connector, yellow, on battery monitor control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T100	100-pin connector, blue, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point, on cylinder block
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
*	Main fuse box, on battery on rear right in luggage compartment



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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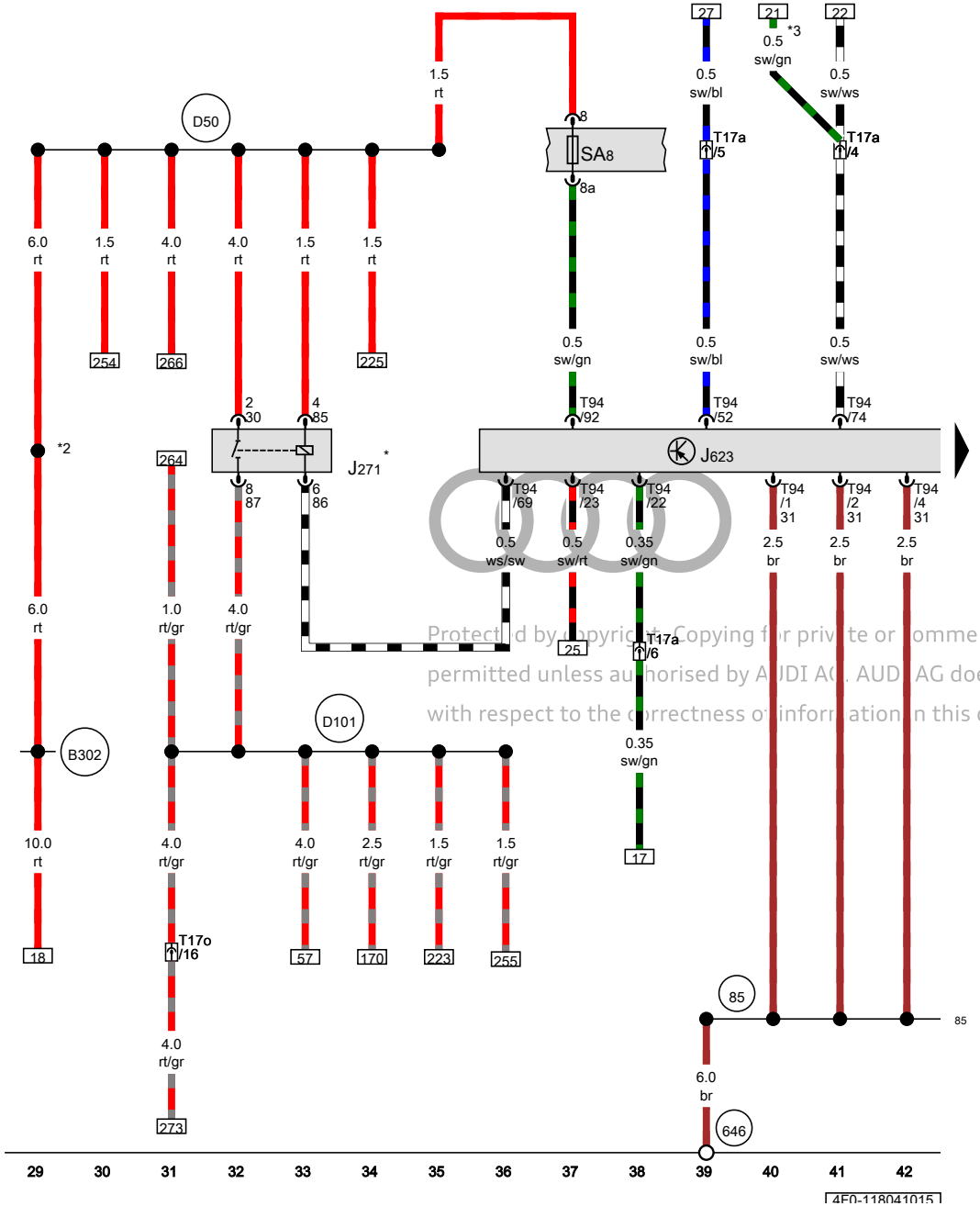
Starter, Alternator, Suppression filter, Starter motor relay, Terminal 15 voltage supply relay



B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, front right in engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T20h	20-pin connector, black, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Relay carrier on left under dash panel
*2	Main fuse carrier, in E-box on right of plenum chamber
*3	Only right-hand drive models

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
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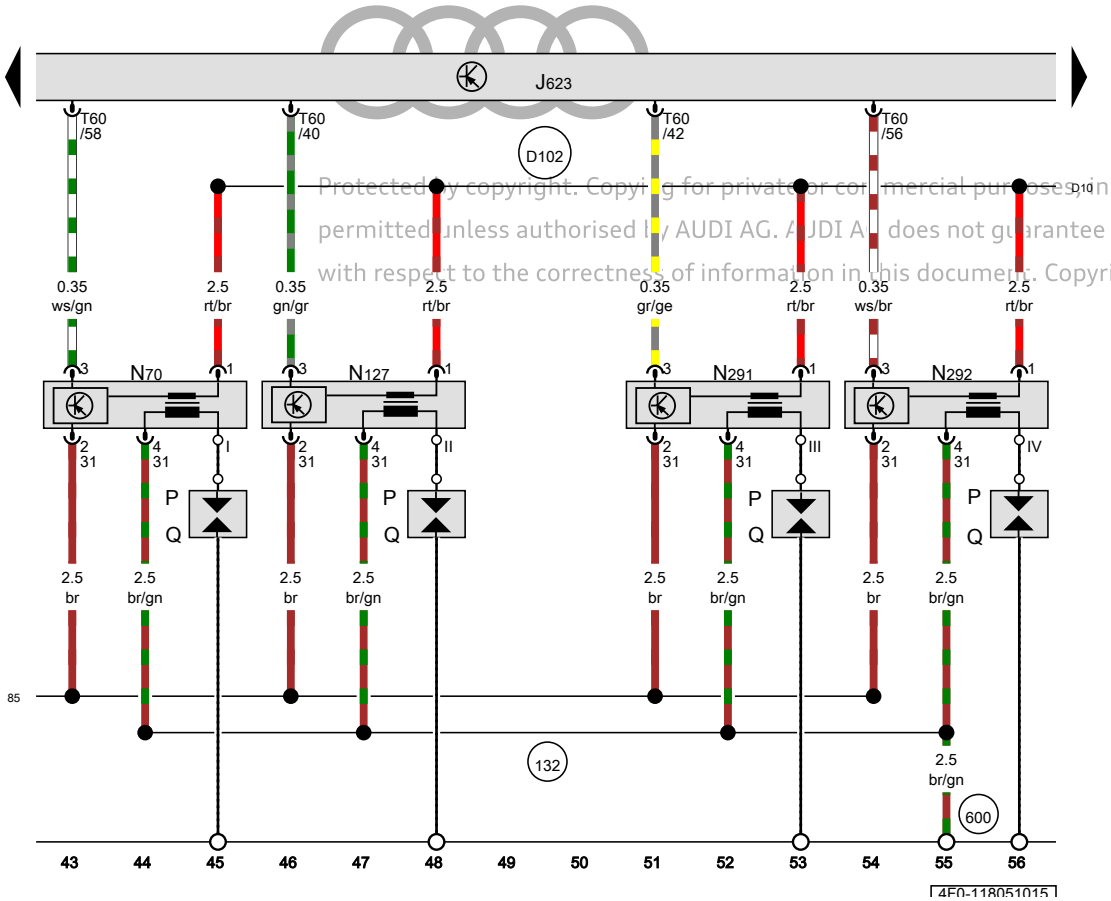
Main relay, Engine control unit

J271	Main relay
J623	Engine control unit
SA8	Fuse 8 in fuse holder A
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T94	94-pin connector, black, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	Threaded connection, in E-box in plenum chamber
*3	Only right-hand drive models

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

Engine 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 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
P	Spark plug connector
Q	Spark plugs
T60	60-pin connector, black, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
600	Earth point, on right cylinder head
D102	Connection 2 in engine compartment wiring harness

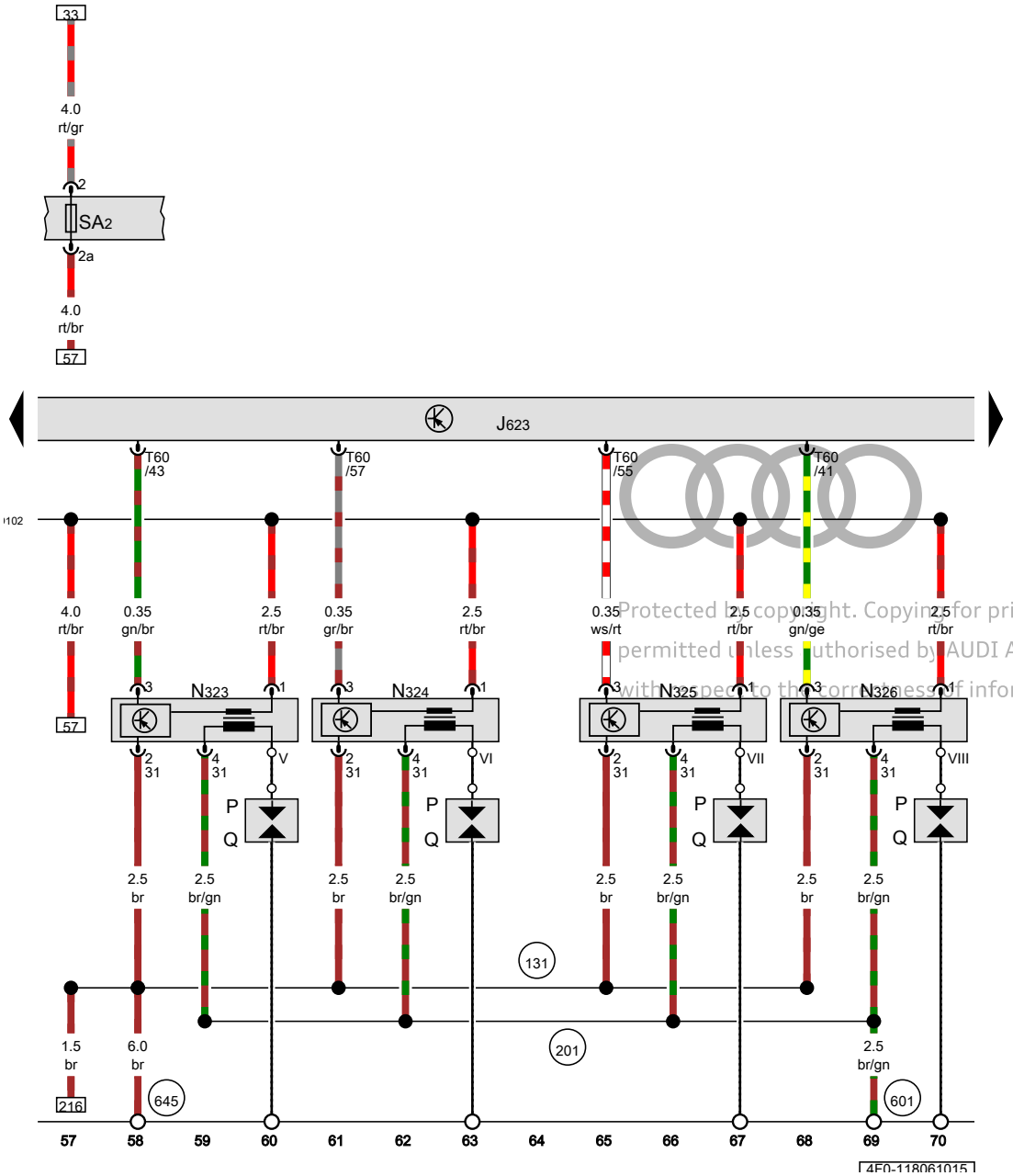


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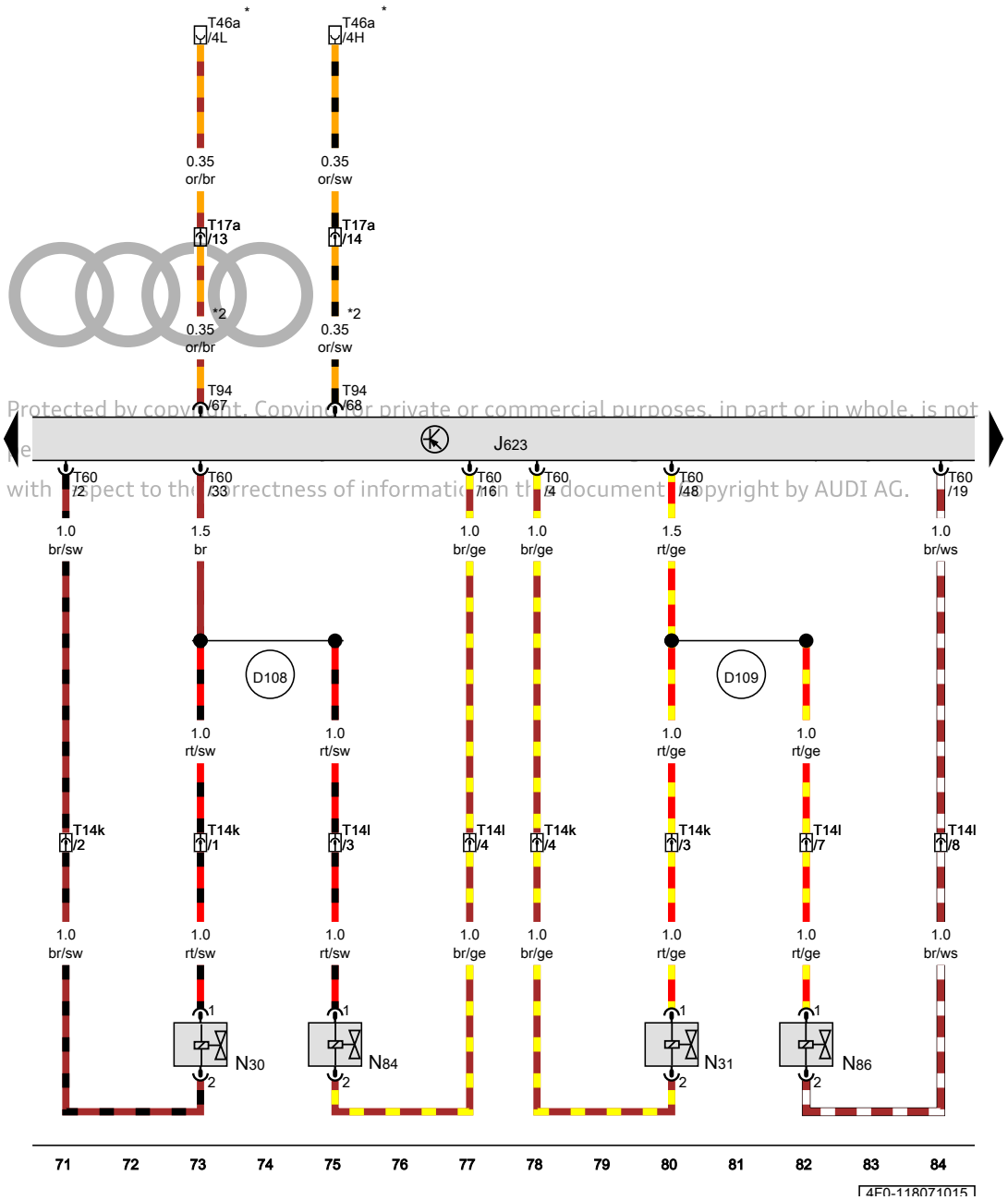
Engine control unit, Ignition coil 5 with output stage, Ignition coil 6 with output stage, Ignition coil 7 with output stage, Ignition coil 8 with output stage

J623	Engine control unit
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
N325	Ignition coil 7 with output stage
N326	Ignition coil 8 with output stage
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 in fuse holder A
T60	60-pin connector, black, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
201	Earth connection 5, in engine compartment wiring harness
601	Earth point, on left cylinder head
645	Earth point 1, on bulkhead
D102	Connection 2 in engine compartment wiring harness



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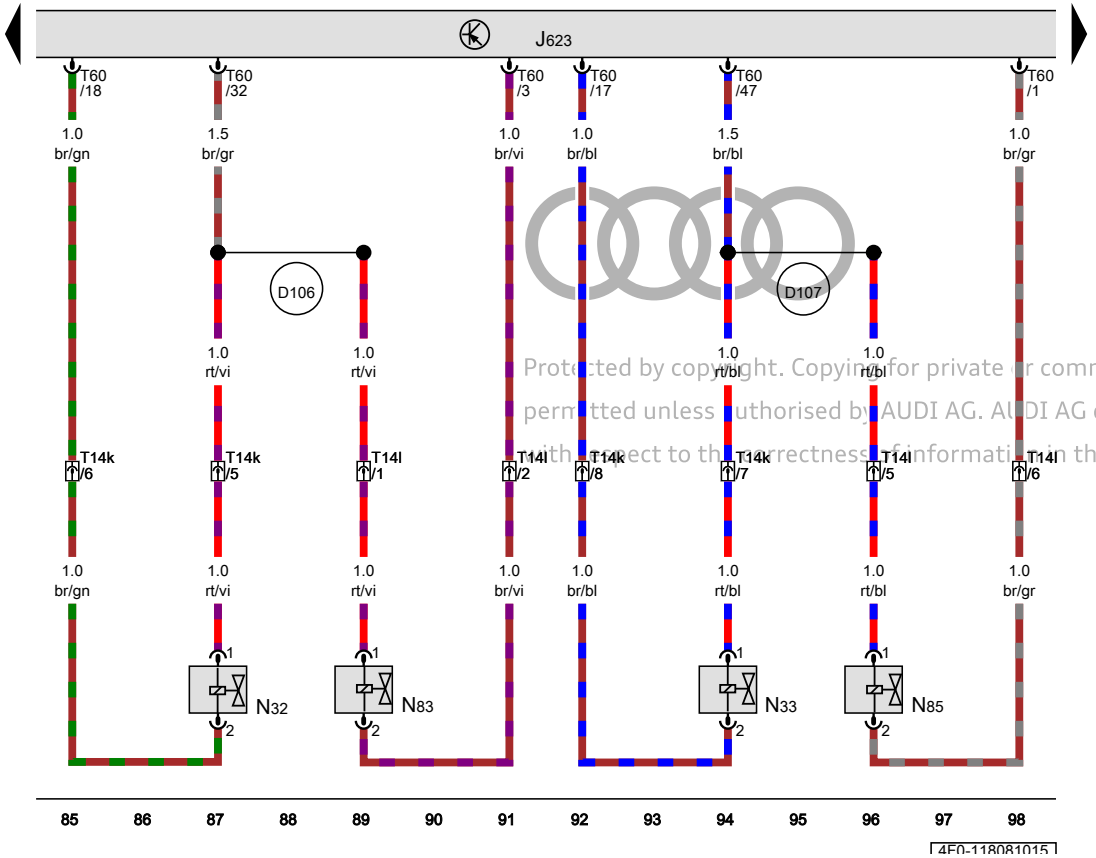
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 6, Injector, cylinder 8

J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N84	Injector, cylinder 6
N86	Injector, cylinder 8
T14k	14-pin connector, on right in engine compartment, black
T14l	14-pin connector, on left in engine compartment, black
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T46a	46-pin connector, left
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
D108	Connection 6 in engine compartment wiring harness
D109	Connection 7 in engine compartment wiring harness
*	see applicable current flow diagram for CAN separating connector
*2	Data bus wire (CAN bus)

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ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Injector, cylinder 7

J623	Engine control unit
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N85	Injector, cylinder 7
T14k	14-pin connector, on right in engine compartment, black
T14l	14-pin connector, on left in engine compartment, black
T60	60-pin connector, black, on engine control unit
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness

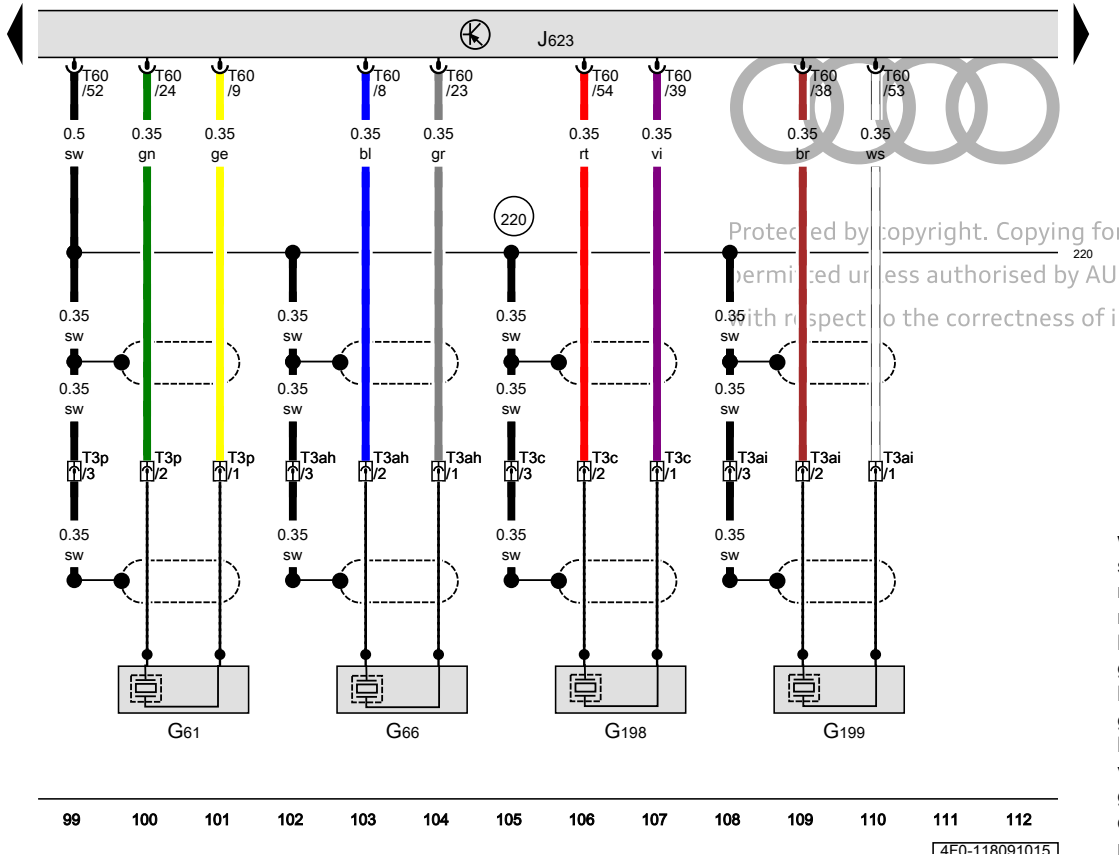


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Knock sensor 1, Knock sensor 2, Knock sensor 3, Knock sensor 4, Engine control unit

G61	Knock sensor 1
G66	Knock sensor 2
G198	Knock sensor 3
G199	Knock sensor 4
J623	Engine control unit
T3ah	3-pin connector, brown, on knock sensor 2
T3ai	3-pin connector, brown, on knock sensor 4
T3c	3-pin connector, black, on knock sensor 3
T3p	3-pin connector, black, on knock sensor 1
T60	60-pin connector, black, on engine control unit
220	Earth connection (sender earth), in engine wiring harness



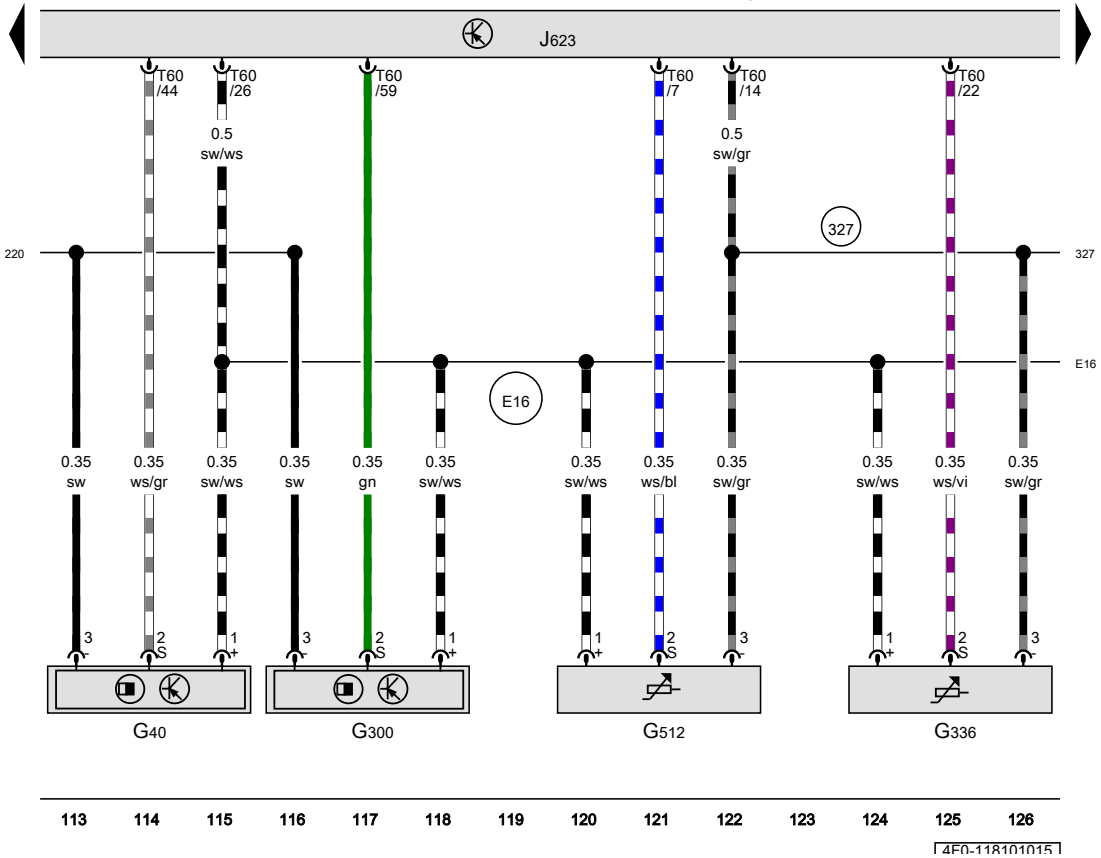
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Hall sender, Hall sender 3, Intake manifold flap potentiometer, Intake manifold flap potentiometer 2, Engine control unit

G40	Hall sender
G300	Hall sender 3
G336	Intake manifold flap potentiometer
G512	Intake manifold flap potentiometer 2
J623	Engine control unit
T60	60-pin connector, black, on engine control unit
220	Earth connection (sender earth), in engine wiring harness
327	Earth connection (sender earth), in engine compartment wiring harness
E16	Positive connection (5 volts), in Motronic wiring harness

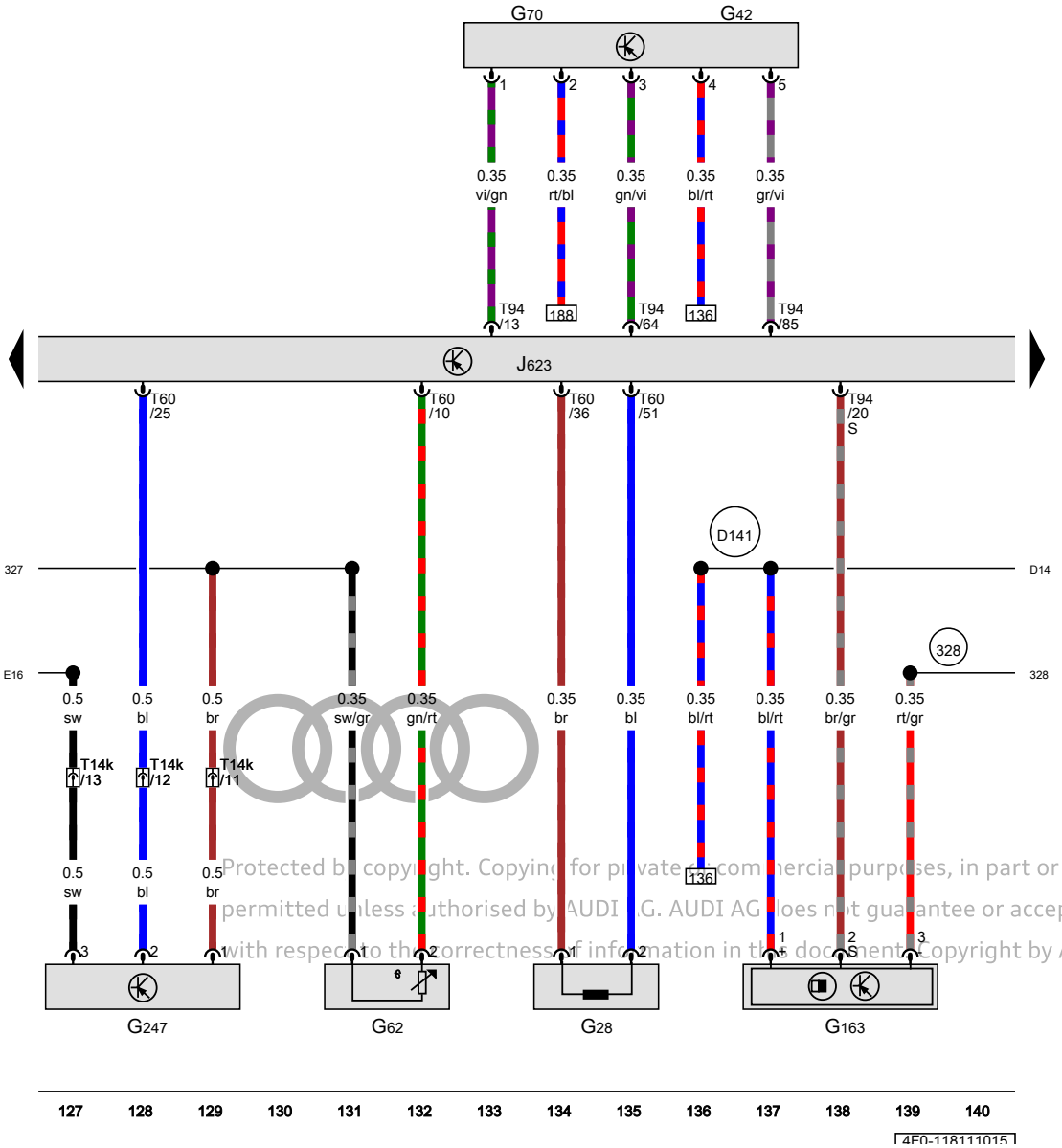
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or	=	orange
rs	=	pink

Engine speed sender, Coolant temperature sender, Air mass meter, Hall sender 2, Fuel pressure sender, Engine control unit

G28	Engine speed sender
G42	Intake air temperature sender
G62	Coolant temperature sender
G70	Air mass meter
G163	Hall sender 2
G247	Fuel pressure sender
J623	Engine control unit
T14k	14-pin connector, on right in engine compartment, black
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D141	Connection (5V) in engine prewiring harness
E16	Positive connection (5 volts), in Motronic wiring harness

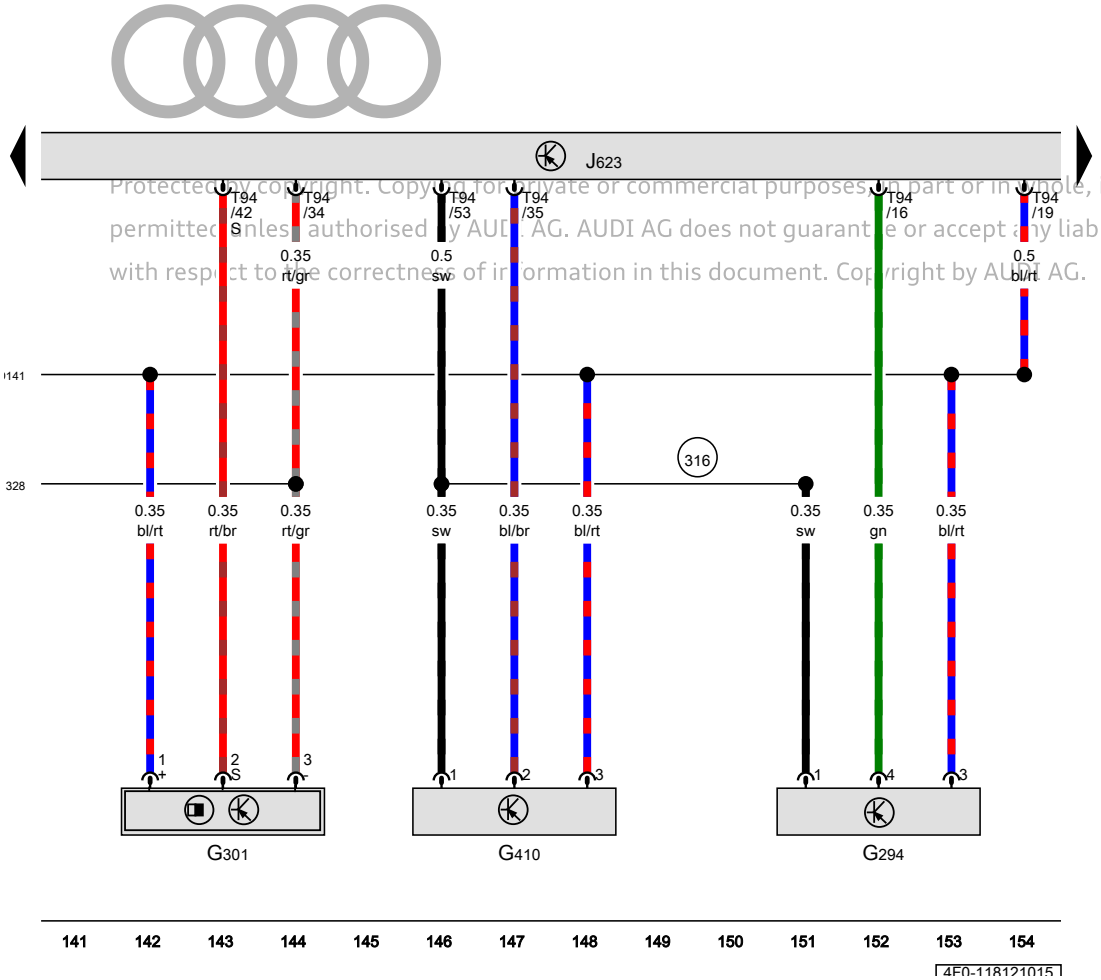


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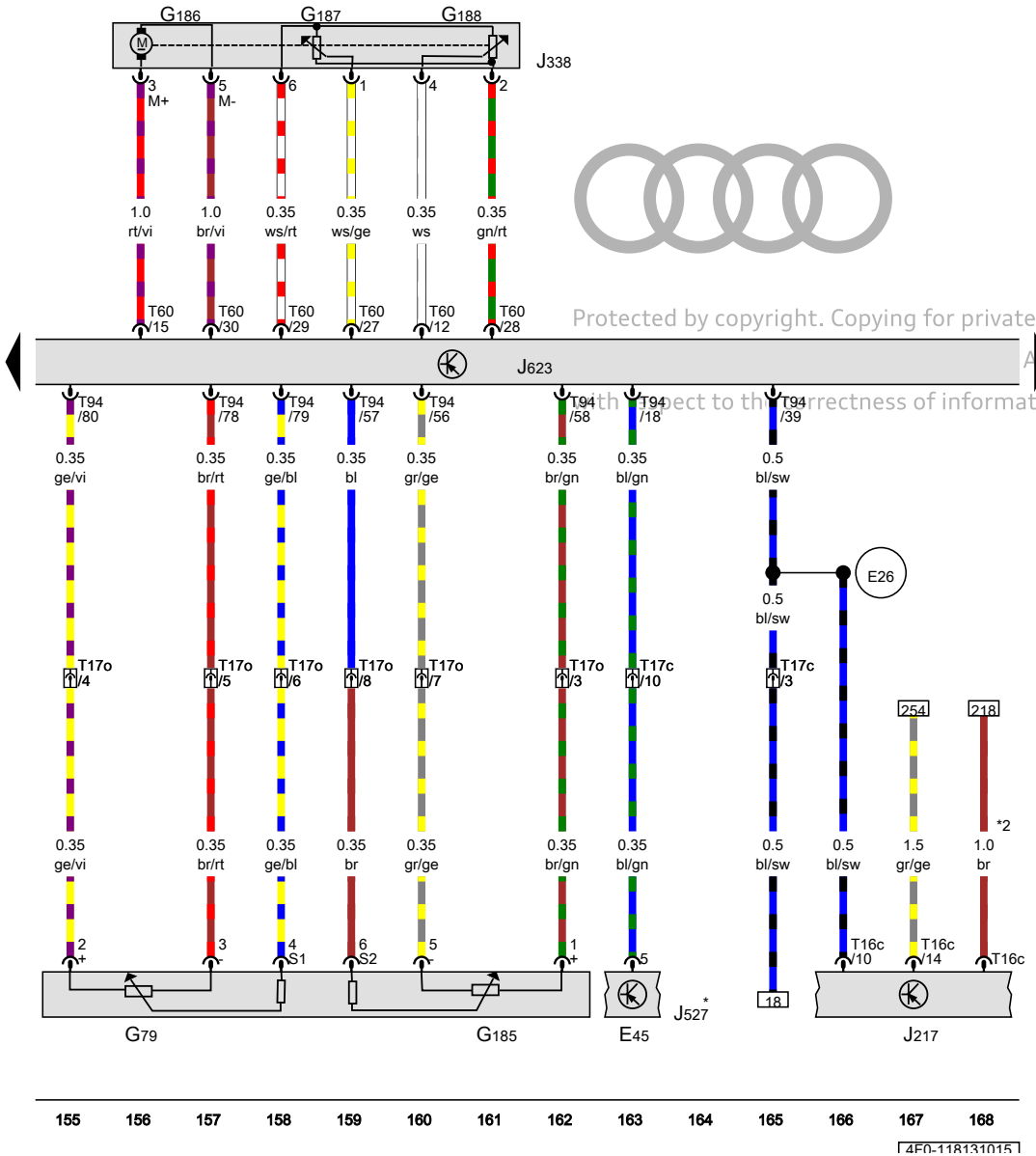
Brake servo pressure sensor, Hall sender 4, Fuel pressure sender for low-pressure, Engine control unit

G294	Brake servo pressure sensor
G301	Hall sender 4
G410	Fuel pressure sender for low-pressure
J623	Engine control unit
T94	94-pin connector, black, on engine control unit
316	Earth connection (sender earth 2) in engine wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D141	Connection (5V) in engine prewiring harness



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or	=	orange
rs	=	pink

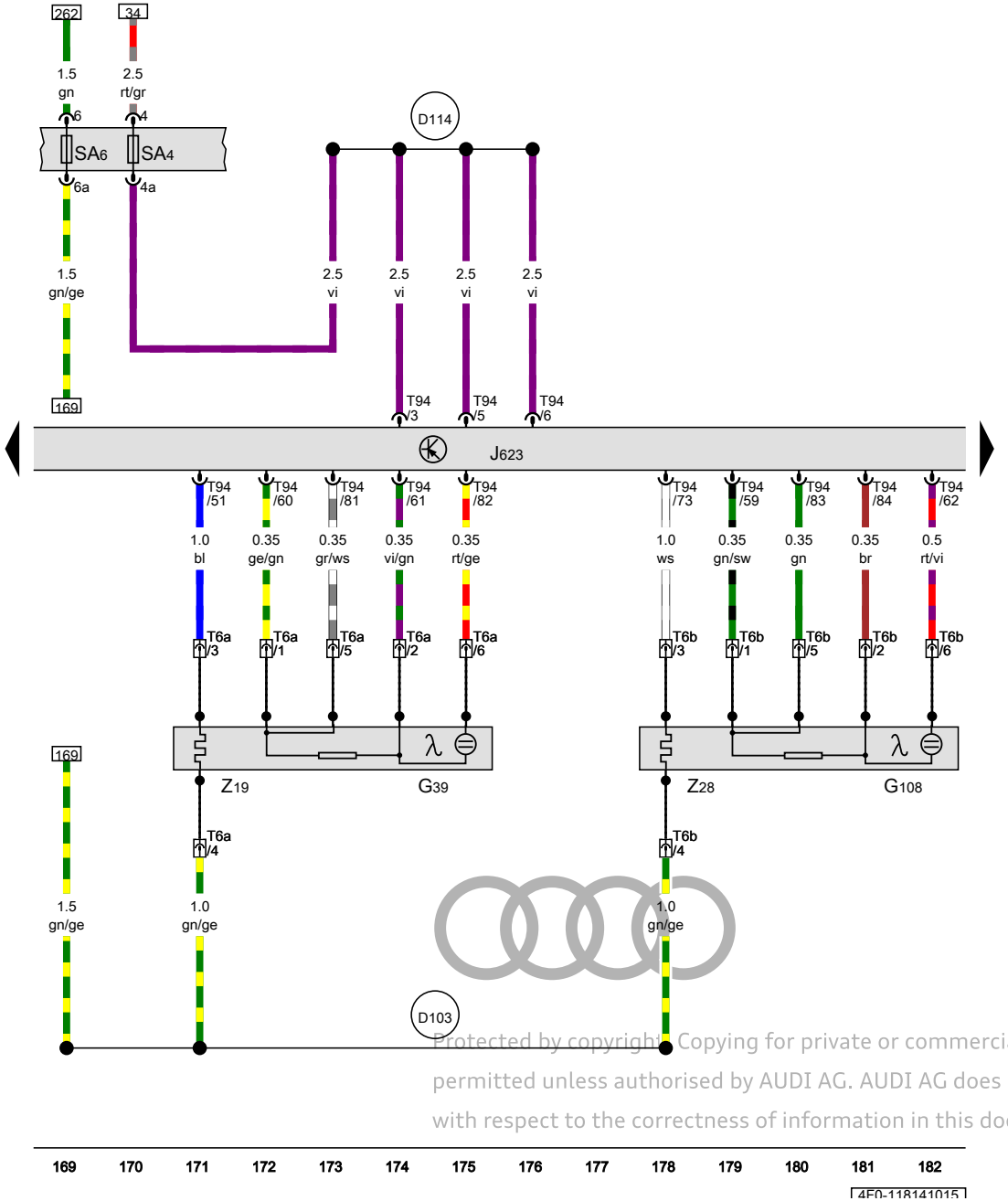


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Accelerator position sender, Throttle valve module, Engine control unit

E45	Cruise control system switch
G79	Accelerator position sender
G185	Accelerator position 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
J217	Automatic gearbox control unit
J338	Throttle valve module
J527	Steering column electronics control unit
J623	Engine control unit
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
E26	Connection (selector position P/N), in Motronic wiring harness
*	Only models with cruise control system
*2	see applicable current flow diagram for automatic gearbox

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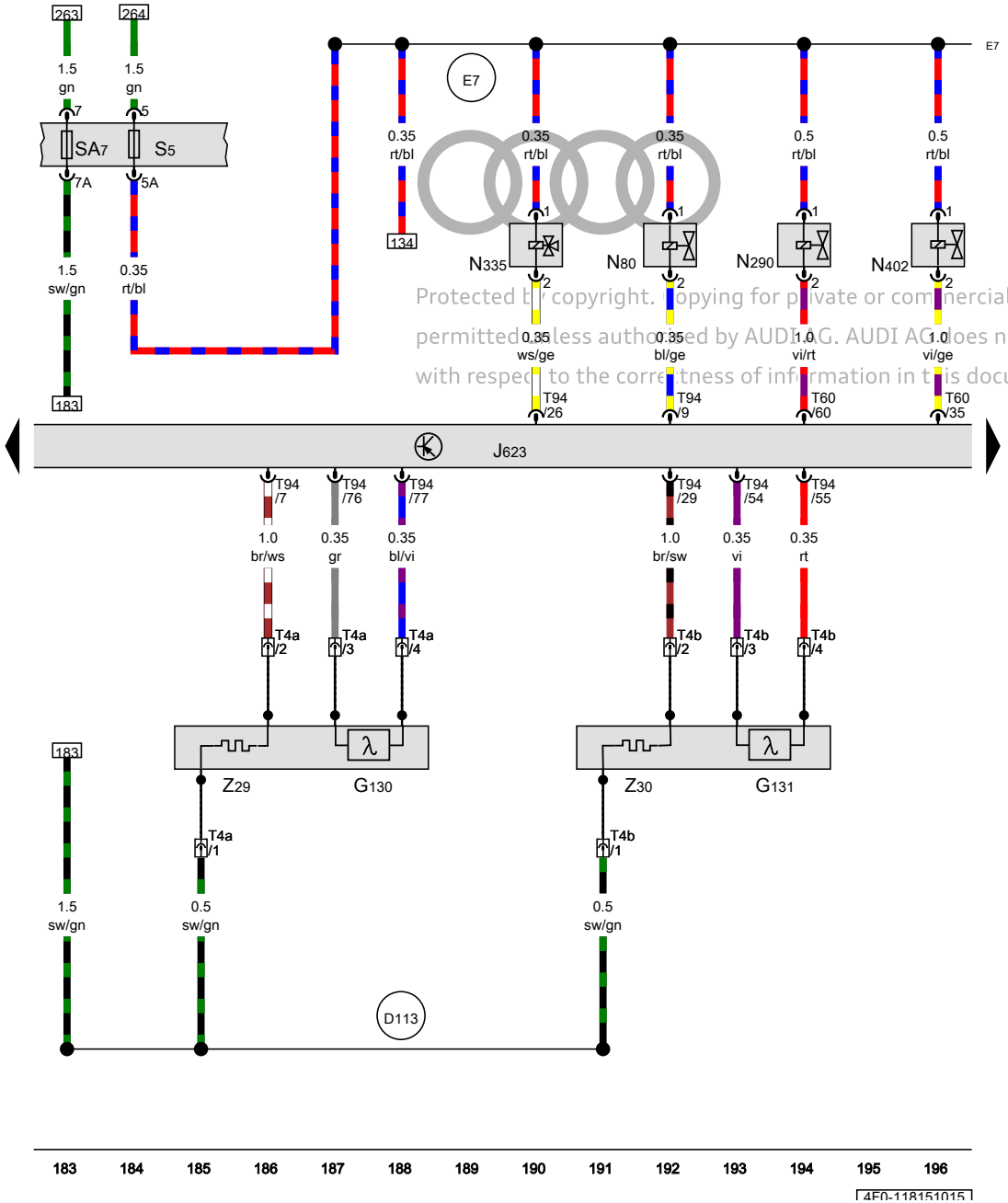


Lambda probe, Lambda probe 2, Engine control unit, 6-pin connector, Lambda probe heater, Lambda probe heater 2

G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA4	Fuse 4 in fuse holder A
SA6	Fuse 6 in fuse holder A
T6a	6-pin connector, black, on Lambda probe before catalytic converter
T6b	6-pin connector, black, on Lambda probe before catalytic converter
T94	94-pin connector, black, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe heater 2
D103	Connection 3 in engine compartment wiring harness
D114	Connection 12 in engine compartment wiring harness

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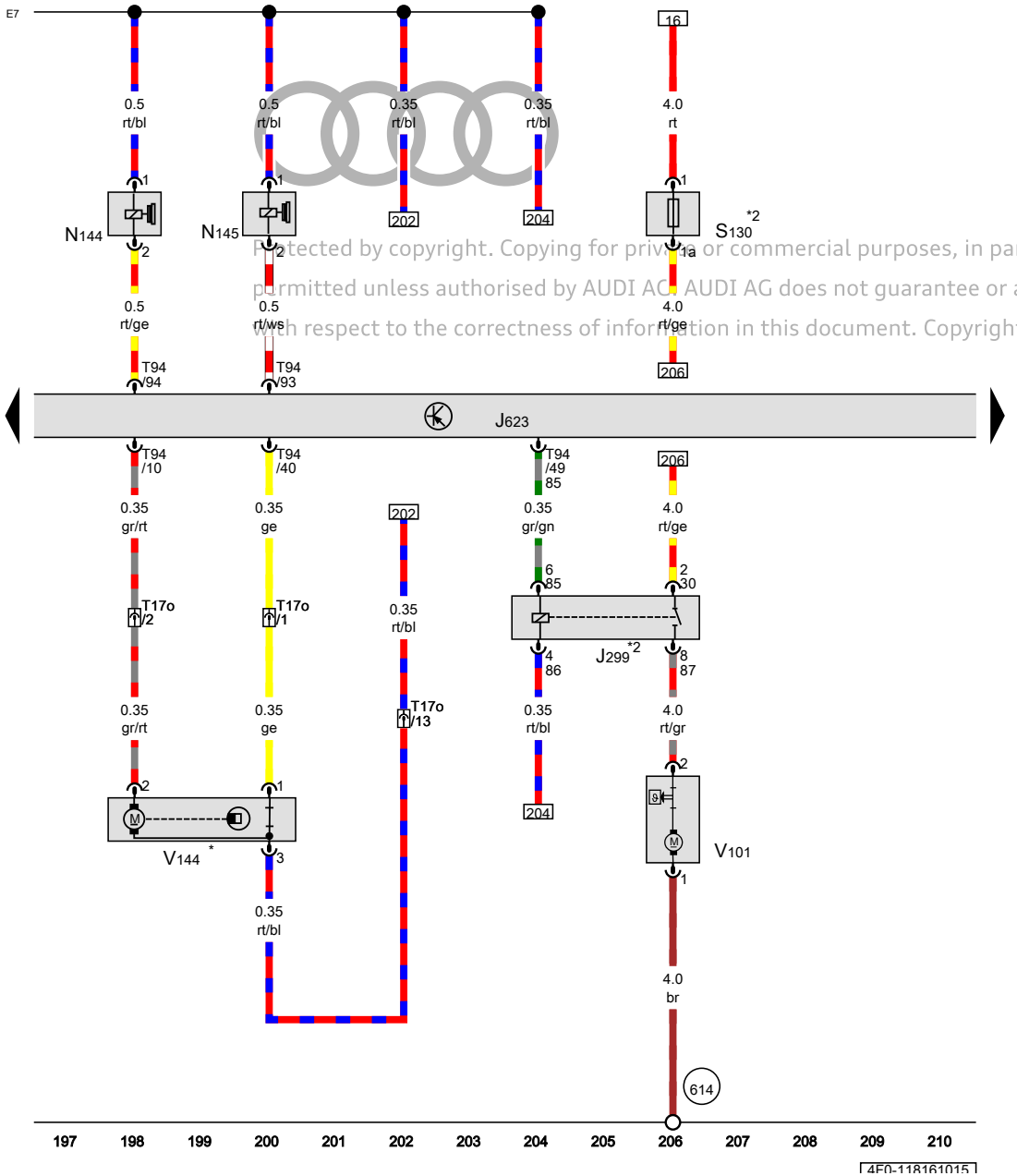


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Lambda probe after catalytic converter, Lambda probe 2 after catalytic converter, Engine control unit, Activated charcoal filter solenoid valve 1, Fuel metering valve, Variable intake manifold changeover valve, Fuel metering valve 2, Lambda probe 1 heater after catalytic converter, Lambda probe 2 heater after catalytic converter

G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
N80	Activated charcoal filter solenoid valve 1
N290	Fuel metering valve
N335	Variable intake manifold changeover valve
N402	Fuel metering valve 2
S5	Fuse 5 in fuse holder
SA7	Fuse 7 in fuse holder A
T4a	4-pin connector, black, on Lambda probe after catalytic converter
T4b	4-pin connector, brown, on Lambda probe after catalytic converter
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D113	Connection 11 in engine compartment wiring harness
E7	Connection (87a), in Motronic wiring harness

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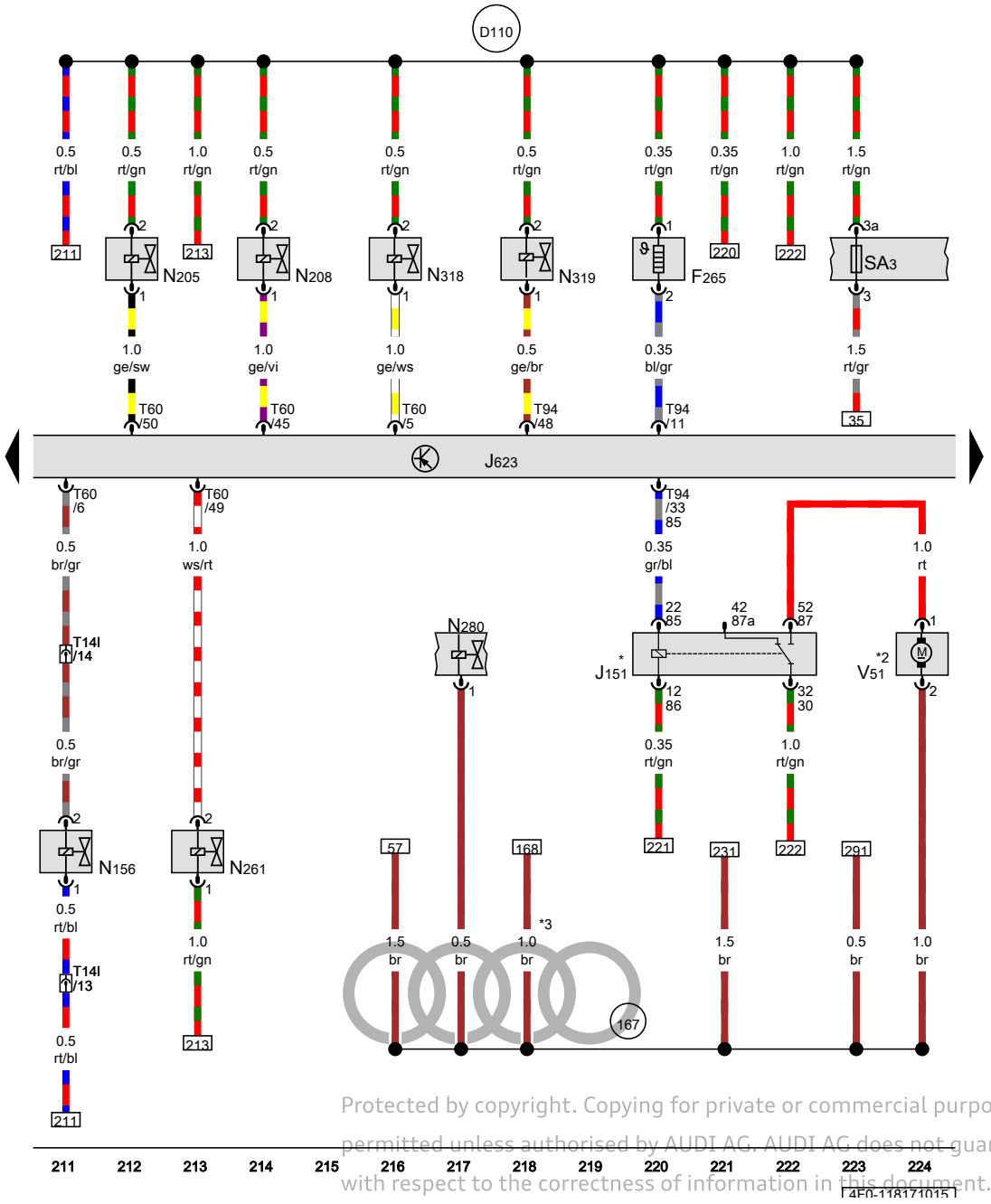


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Secondary air pump relay, Engine control unit, Left electrohydraulic engine mounting solenoid valve, Right electrohydraulic engine mounting solenoid valve, Secondary air pump fuse, Secondary air pump motor, Fuel system diagnostic pump

J299	Secondary air pump relay
J623	Engine control unit
N144	Left electrohydraulic engine mounting solenoid valve
N145	Right electrohydraulic engine mounting solenoid valve
S130	Secondary air pump fuse
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T94	94-pin connector, black, on engine control unit
V101	Secondary air pump motor
V144	Fuel system diagnostic pump
614	Earth point 2, on right in engine compartment
E7	Connection (87a), in Motronic wiring harness
*	Only models with fuel system diagnostic pump
*2	Main fuse carrier, in E-box on right of plenum chamber

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or	=	orange
rs	=	pink



Map-controlled engine cooling system thermostat, Continued coolant circulation relay, Engine control unit, Variable intake manifold changeover valve, Camshaft control valve 1, Camshaft control valve 2, Variable intake manifold changeover valve 2, Exhaust camshaft control valve 1, Exhaust camshaft control valve 2

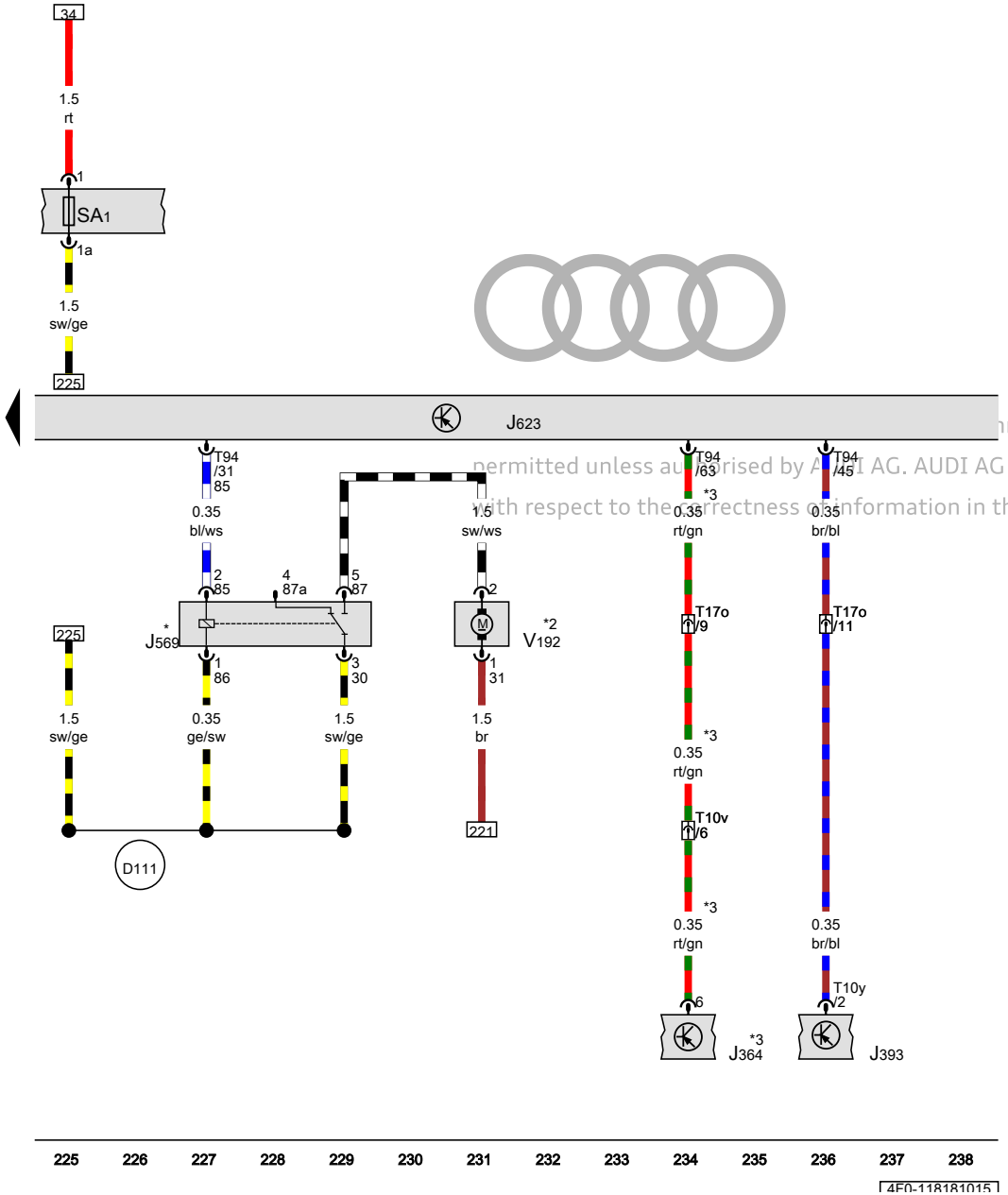
F265	Map-controlled engine cooling system thermostat
J151	Continued coolant circulation relay
J623	Engine control unit
N156	Variable intake manifold changeover valve
N205	Camshaft control valve 1
N208	Camshaft control valve 2
N261	Variable intake manifold changeover valve 2
N280	Air conditioner compressor regulating valve
N318	Exhaust camshaft control valve 1
N319	Exhaust camshaft control valve 2
SA3	Fuse 3 in fuse holder A
T14l	14-pin connector, on left in engine compartment, black
T60	60-pin connector, black, on engine control unit
T94	94-pin connector, black, on engine control unit
V51	Continued coolant circulation pump
167	Earth connection 4, in engine compartment wiring harness
D110	Connection 8 in engine compartment wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	Only for countries with hot climate
*3	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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Brake servo relay, Engine control unit, Vacuum pump for brakes

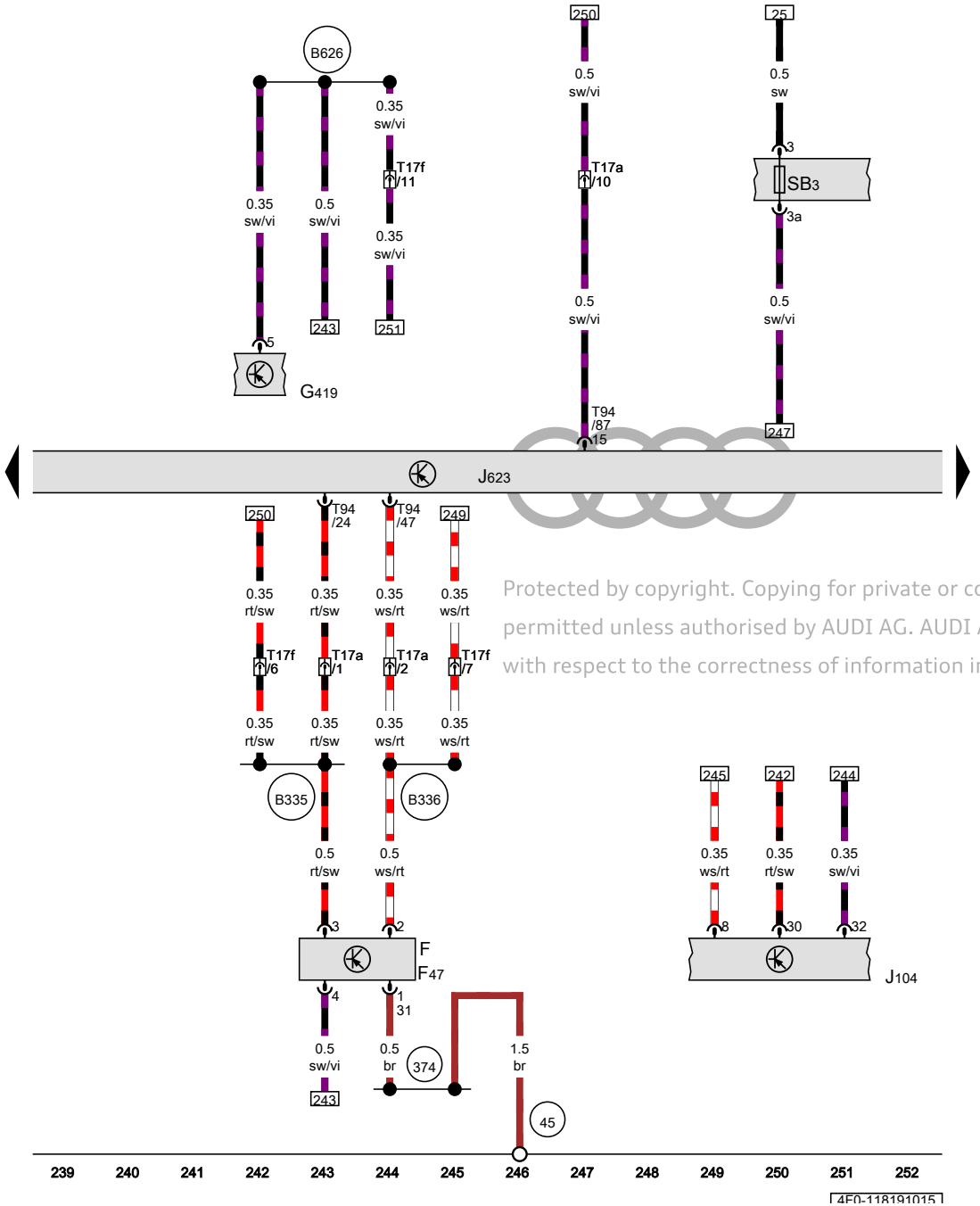
J364	Auxiliary heater control unit
J393	Convenience system central control unit
J569	Brake servo relay
J623	Engine control unit
SA1	Fuse 1 in fuse holder A
T10v	10-pin connector, white, Coupling station, E-box on left in plenum chamber
T10y	10-pin connector, black, on convenience system central control unit
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T94	94-pin connector, black, on engine control unit
V192	Vacuum pump for brakes
D111	Connection 9 in engine compartment wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber
*2	see applicable current flow diagram for automatic gearbox
*3	Only models with auxiliary heating



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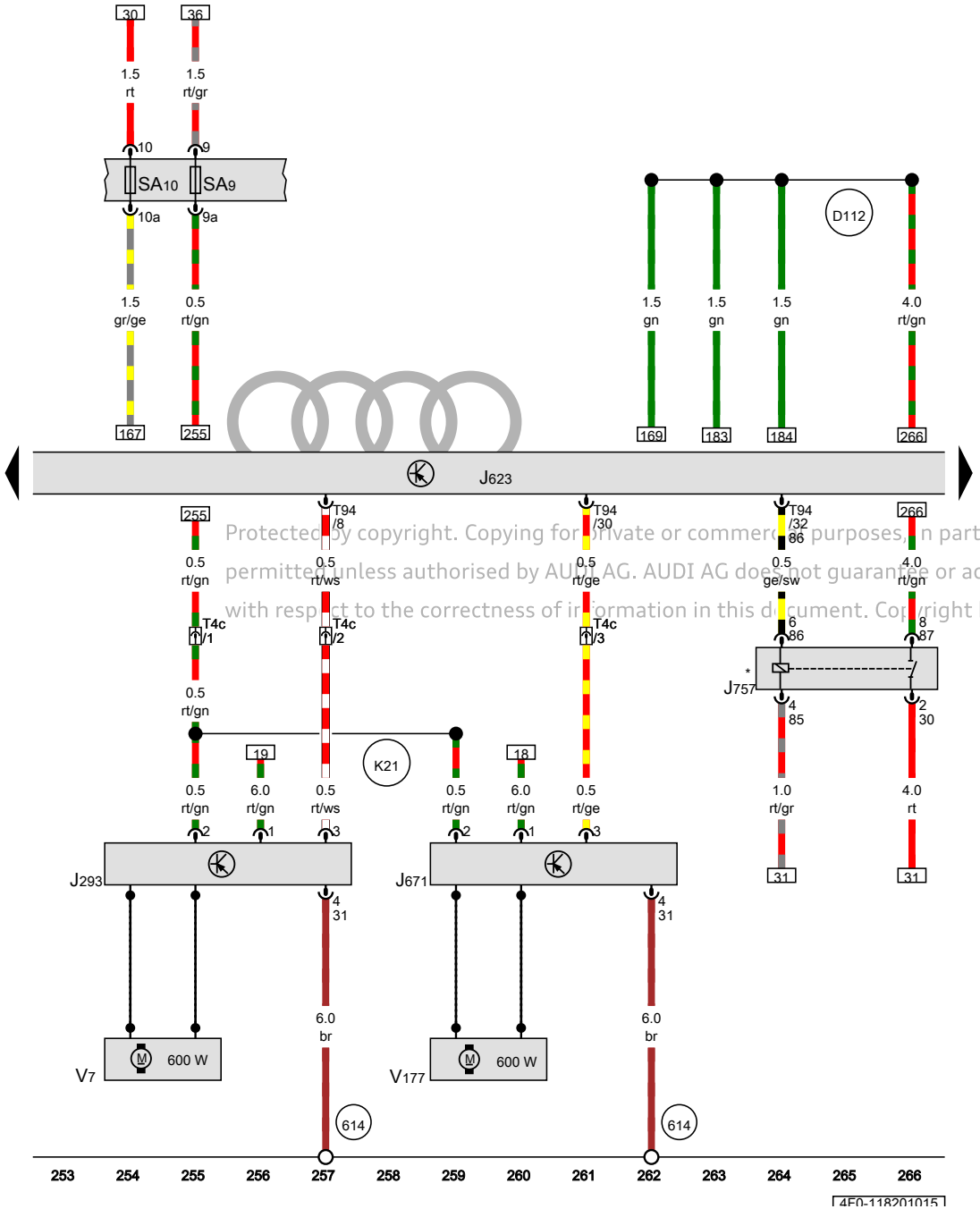
Brake light switch, Brake pedal switch, Engine control unit



F	Brake light switch
F47	Brake pedal switch
G419	Sensor unit for electronic stabilisation program
J104	ABS control unit
J623	Engine control unit
SB3	Fuse 3 on fuse holder B
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17f	17-pin connector, green, in left A-pillar coupling station
T94	94-pin connector, black, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness

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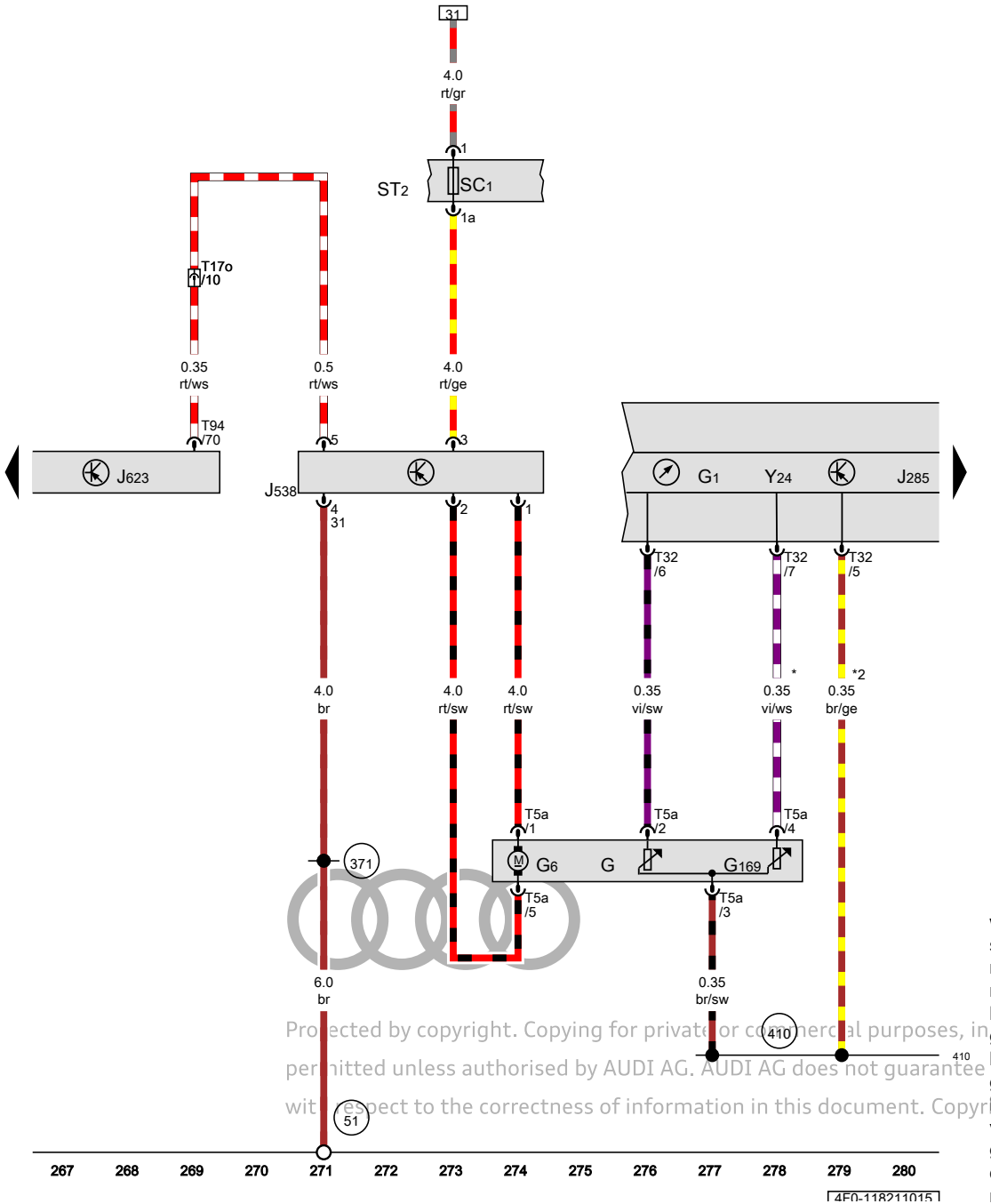


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Radiator fan control unit, Engine control unit, Radiator fan control unit 2, Engine component current supply relay, Radiator fan, Radiator fan 2

J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
J757	Engine component current supply relay
SA9	Fuse 9 in fuse holder A
SA10	Fuse 10 in fuse holder A
T4c	4-pin connector, black, Coupling station, E-box on right in plenum chamber
T94	94-pin connector, black, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
D112	Connection 10 in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Main fuse carrier, in E-box on left of plenum chamber

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rt	=	red
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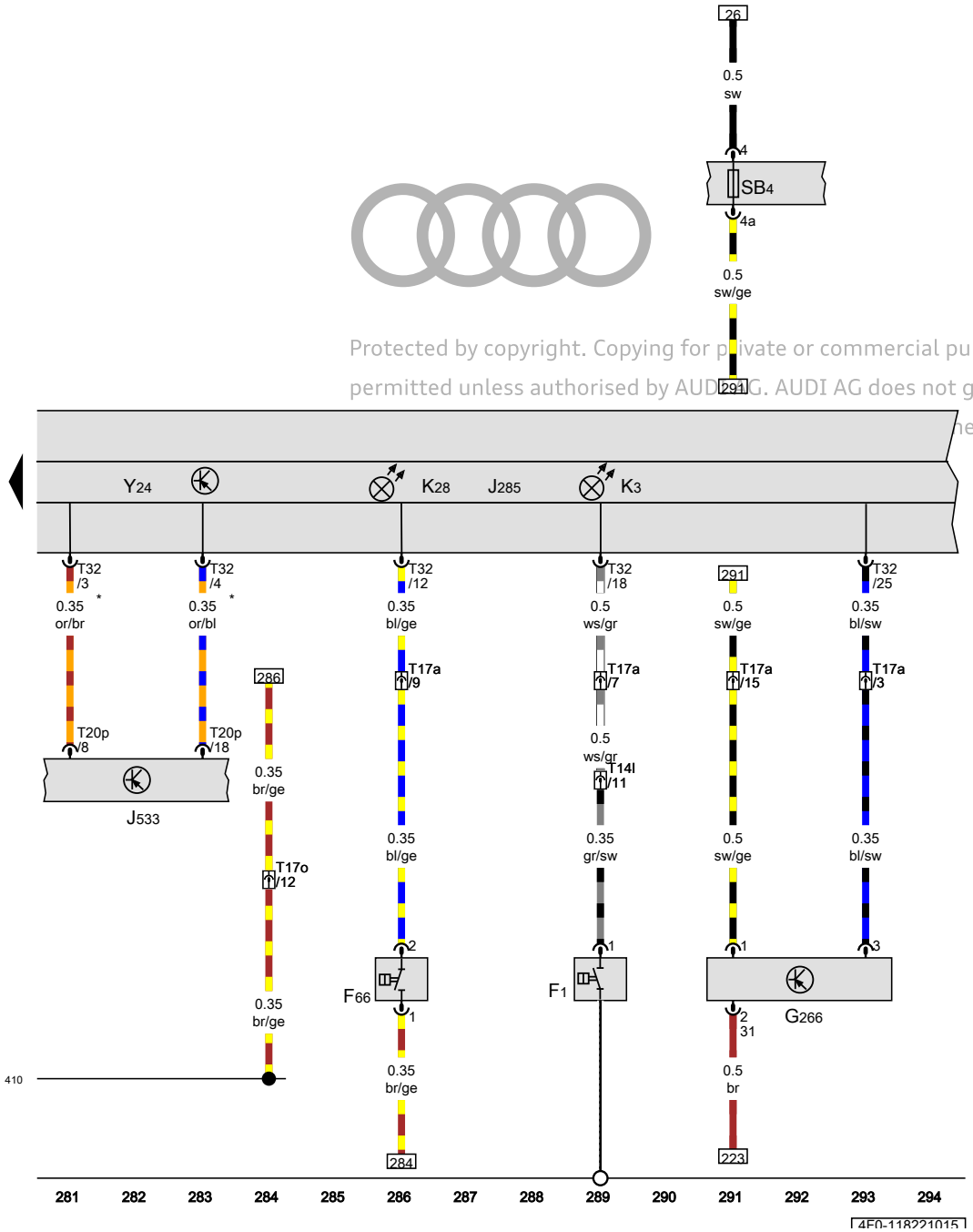
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Fuel gauge sender, Fuel gauge, Fuel system pressurisation pump, Fuel gauge sender 2, Control unit in dash panel insert, Fuel pump control unit, Engine control unit

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J538	Fuel pump control unit
J623	Engine control unit
SC1	Fuse 1 on fuse holder C
ST2	Fuse carrier 2
T5a	5-pin connector, black, on fuel tank
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
T94	94-pin connector, black, on engine control unit
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth) in main wiring harness
*	Only models with all-wheel drive
*2	Output for sender earth

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Oil pressure switch, Coolant shortage indicator switch, Oil level and oil temperature sender, Control unit in dash panel insert, Oil pressure warning lamp, Coolant temperature and coolant shortage warning lamp, Display in dash panel insert

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T14l	14-pin connector, on left in engine compartment, black
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17o	17-pin connector, brown, Coupling station, E-box on left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth) in main wiring harness
*	Data bus wire (CAN bus)

Audi A6 2.0 l Fuel injection engine (125 kW - 4 cylinder), engine code BPJ

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

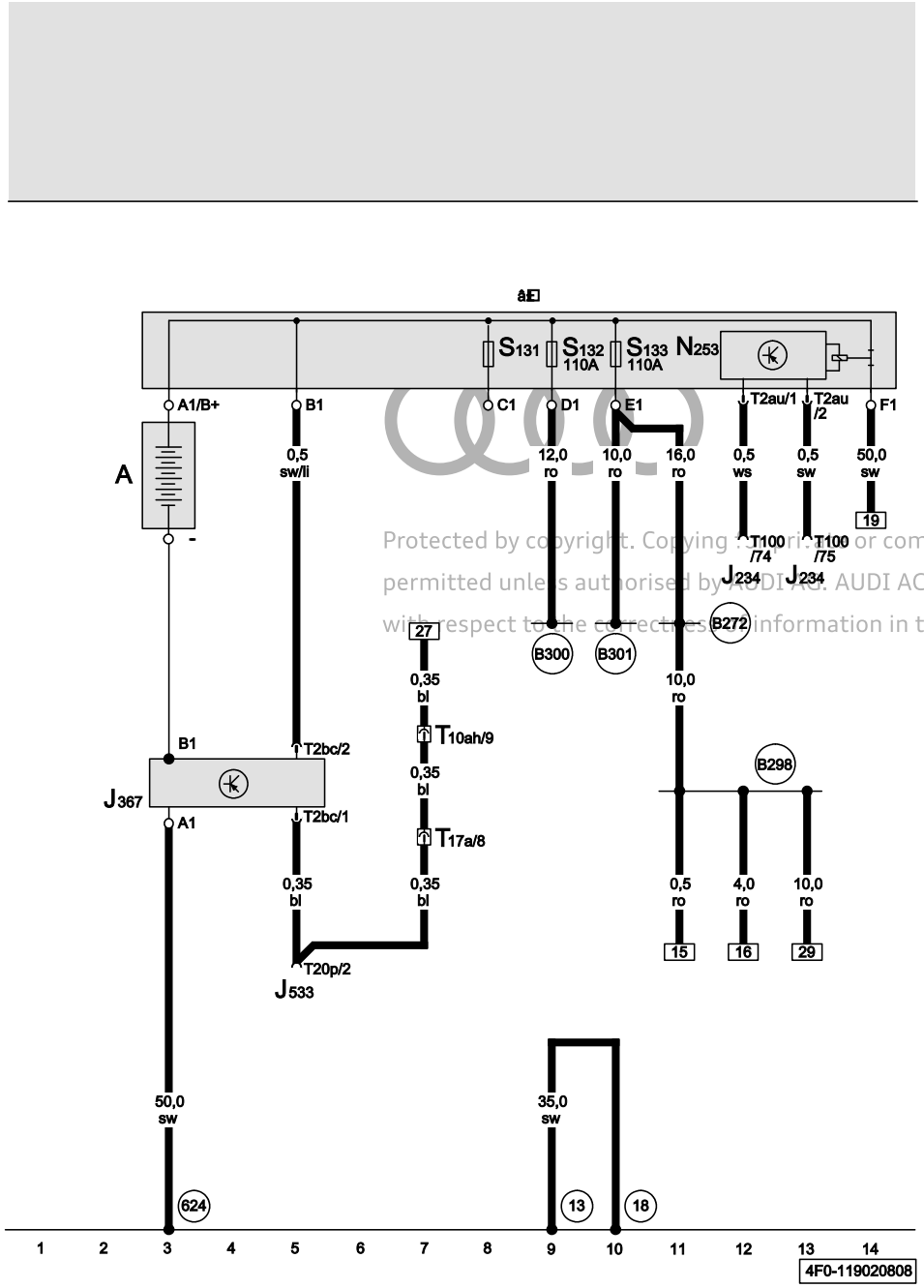
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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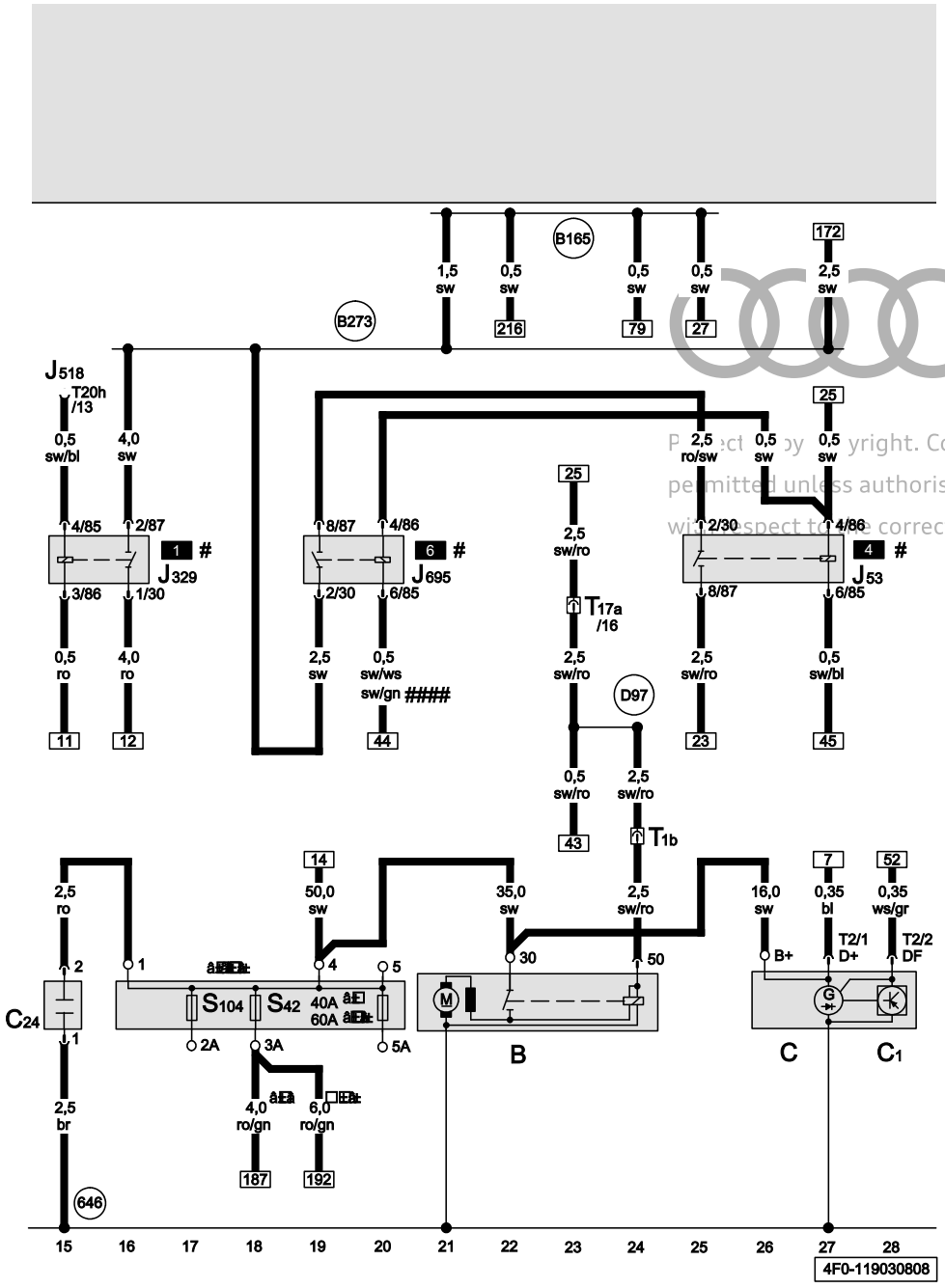
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Battery, battery monitor control unit, battery isolation igniter, fuses

A	Battery
J234	Airbag control unit
J367	Battery monitor control unit
J533	Data bus diagnostic interface
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T2bc	2-pin connector, yellow, on battery monitor control unit
T10ah	10-pin connector, black, in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
T100	100-pin connector, blue, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery

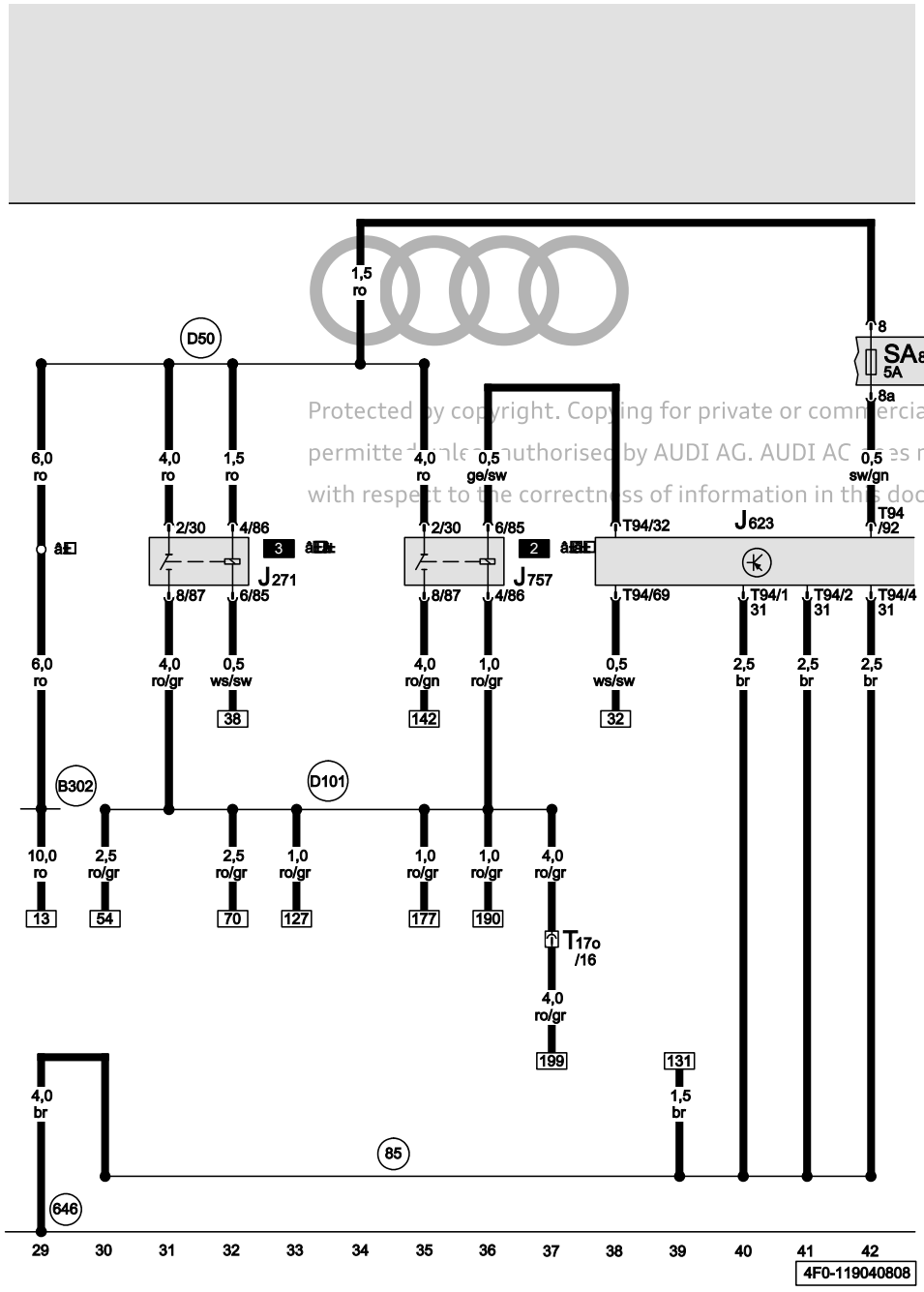
Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter



B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T1b	Single connector, black, in front right engine compartment
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	standard cooling
**	heavy-duty cooling
***	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment
####	right-hand drive

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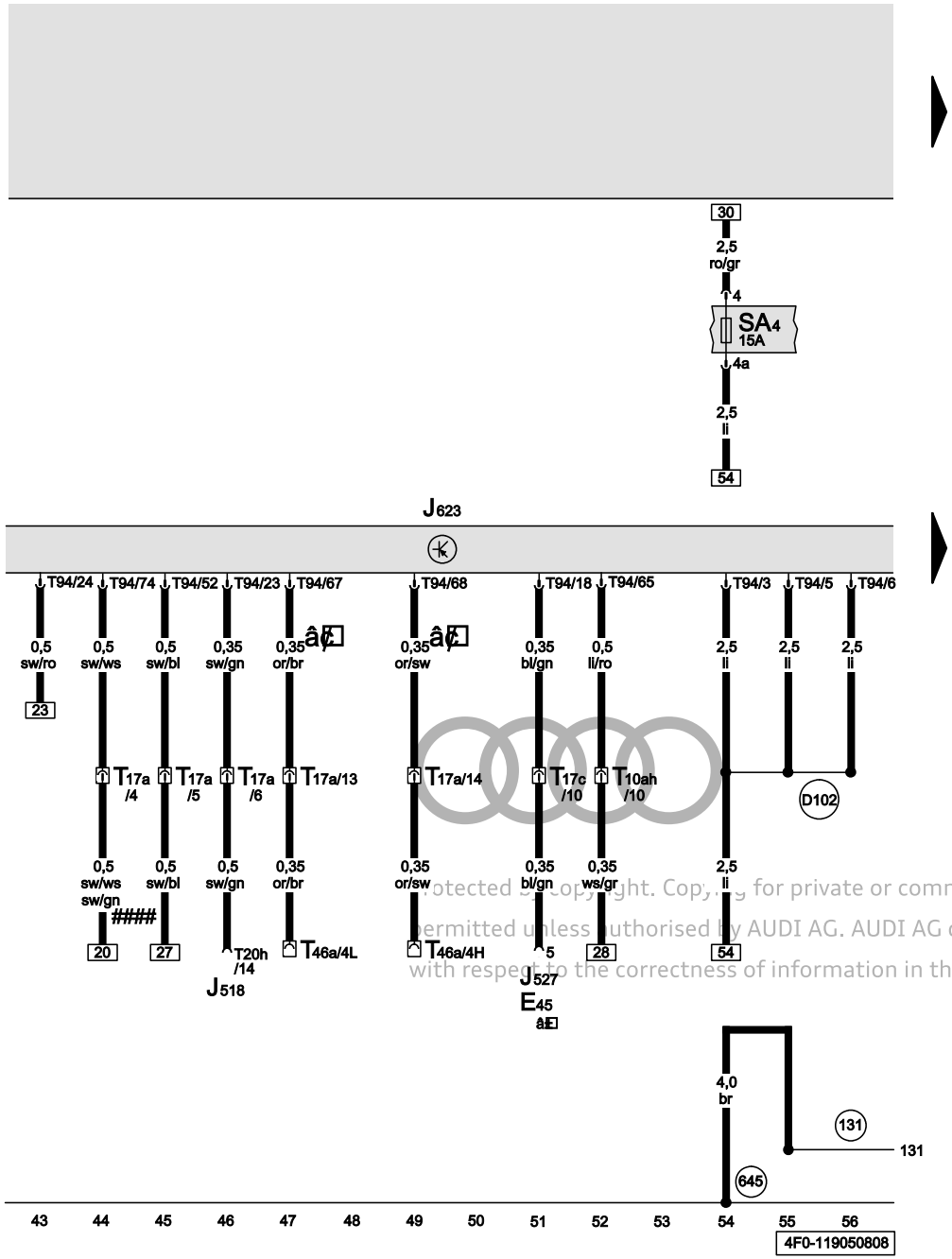


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Engine control unit, Motronic current supply relay, engine component current supply relay

J271	Motronic current supply relay
J623	Engine control unit
J757	Engine component current supply relay
SA8	Fuse 8 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber

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



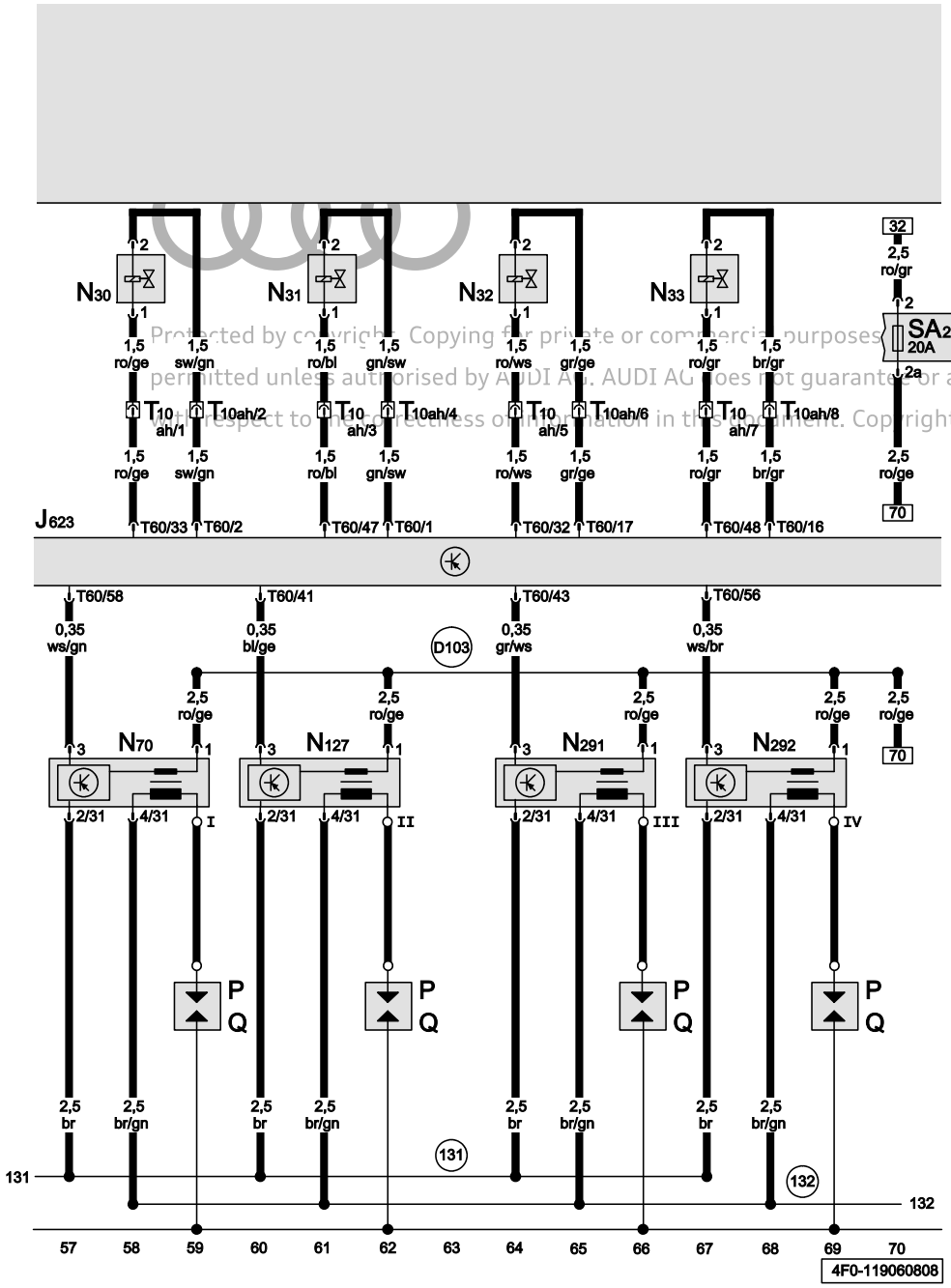
Engine control unit

E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
T10ah	10-pin connector, black, in engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN disconnector left
T94	94-pin connector, black, connector B, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
645	Earth point 1, on bulkhead
D102	Connection 2, in engine compartment wiring harness
•	CAN bus (data wire)
*	models with cruise control system
####	right-hand drive

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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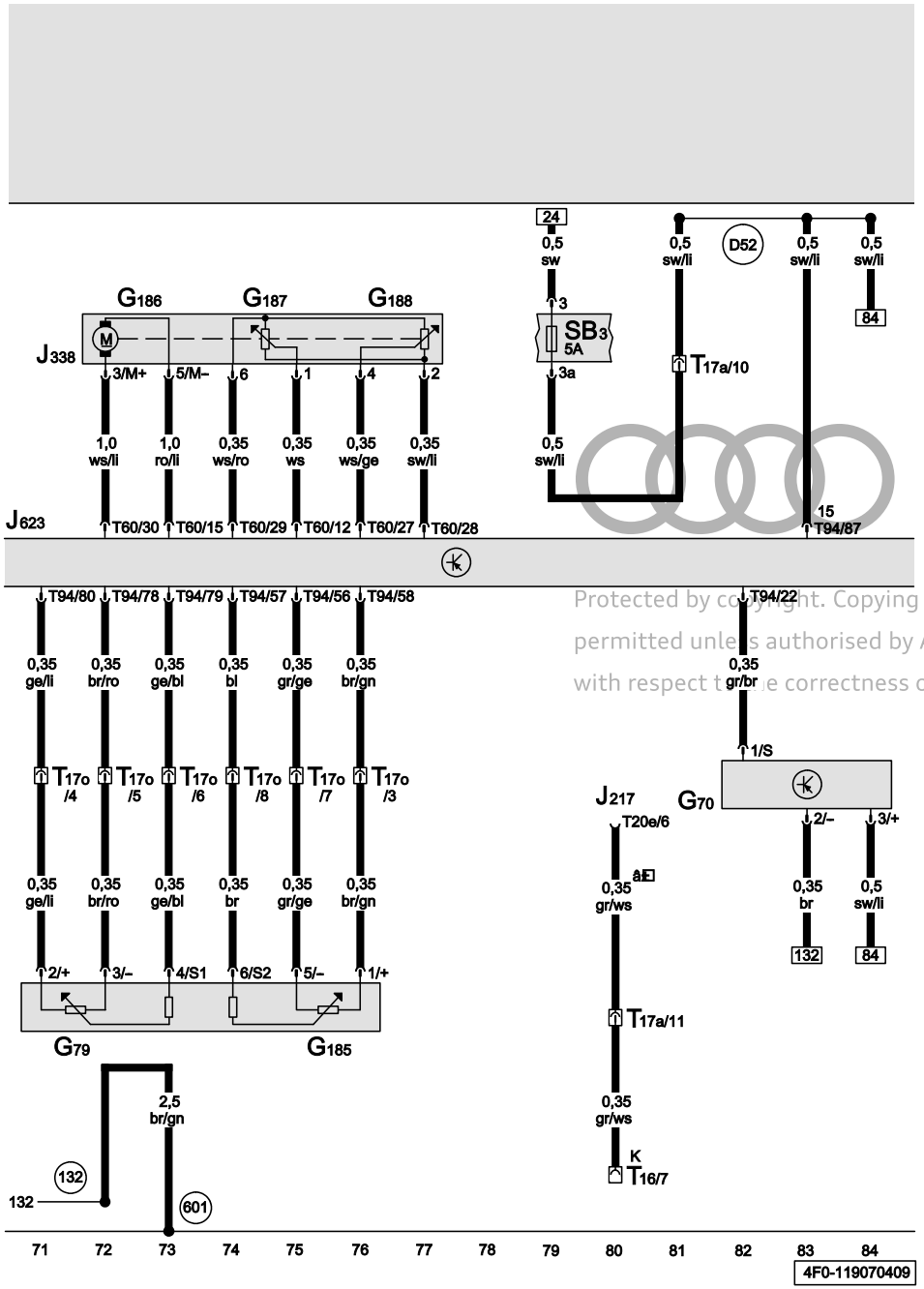
Engine control unit, injectors cylinder 1 up to 4, ignition coils 1 up to 4 with output stage



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J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
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
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T10ah	10-pin connector, black, in engine compartment
T60	60-pin connector, black, connector A, on engine control unit
131	Earth connection 2, in engine compartment wiring harness
132	Earth connection 3, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness

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Engine control unit, accelerator position sender, air mass meter, throttle valve module

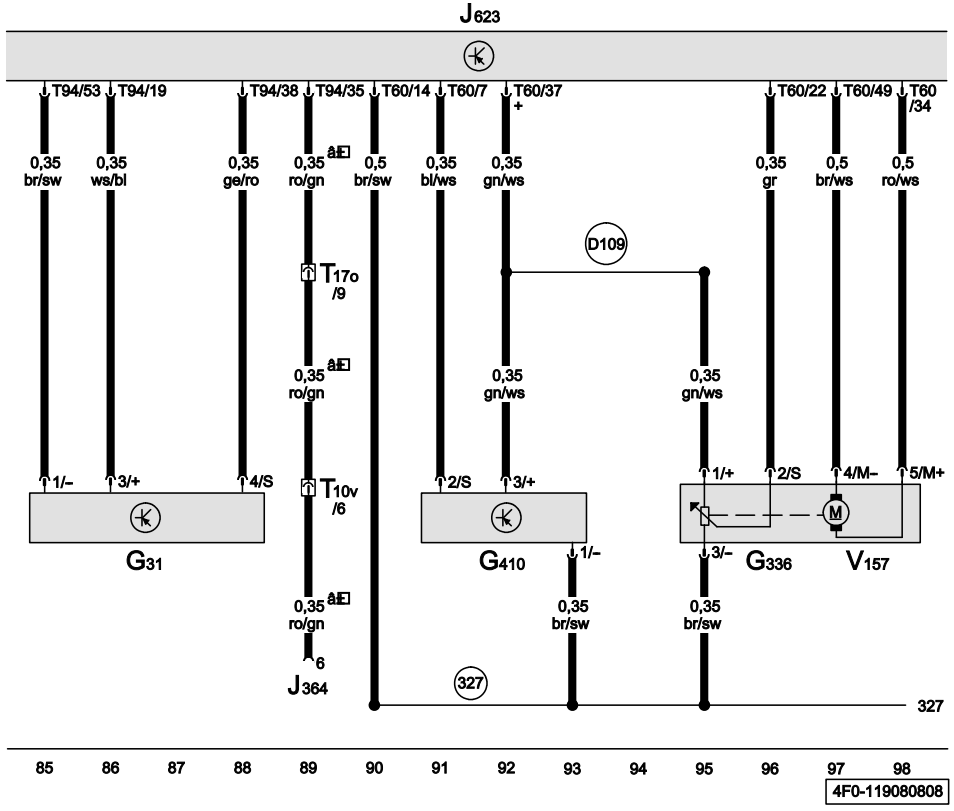
G70	Air mass meter
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J217	Automatic gearbox control unit
J338	Throttle valve module
J623	Engine control unit
SB3	Fuse 3 on fuse holder B
T16	16-pin connector, diagnostic connector
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
132	Earth connection 3, in engine compartment wiring harness
601	Earth point, on left of cylinder head
D52	Positive connection (15a), in engine compartment wiring harness
*	models with automatic gearbox 01J

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Engine control unit, charge air pressure sender, fuel pressure sender for low pressure, intake manifold flap potentiometer, intake manifold flap motor

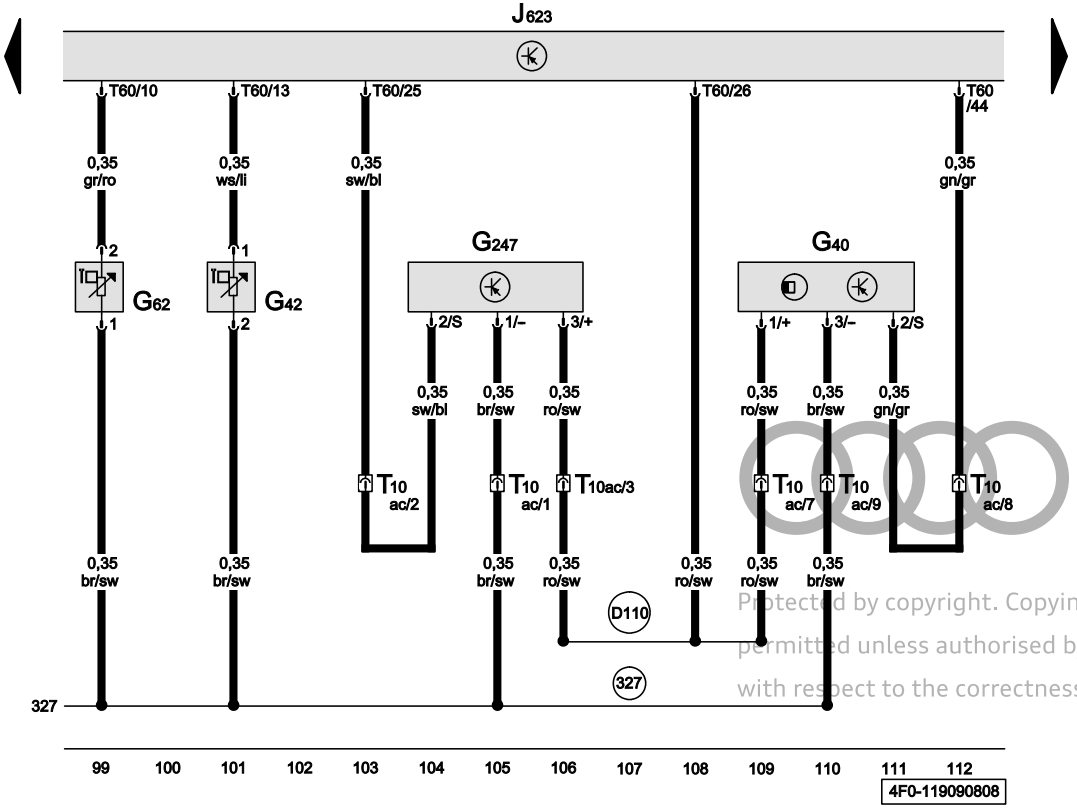
G31	Charge air pressure sender
G336	Intake manifold flap potentiometer
G410	Fuel pressure sender for low pressure
J364	Auxiliary heater control unit
J623	Engine control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60	60-pin connector, black, connector A, on engine control unit
T94	94-pin connector, black, connector B, on engine control unit
V157	Intake manifold flap motor
327	Earth connection (sender earth), in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness
*	models with auxiliary heater



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sw	=	black
ro	=	red
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br	=	brown
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Engine control unit, coolant temperature sender, intake air temperature sender, fuel pressure sender, Hall sender

G40	Hall sender
G42	Intake air temperature sender
G62	Coolant temperature sender
G247	Fuel pressure sender
J623	Engine control unit
T10ac	10-pin connector, black, in engine compartment
T60	60-pin connector, black, connector A, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
D110	Connection 8, in engine compartment wiring harness

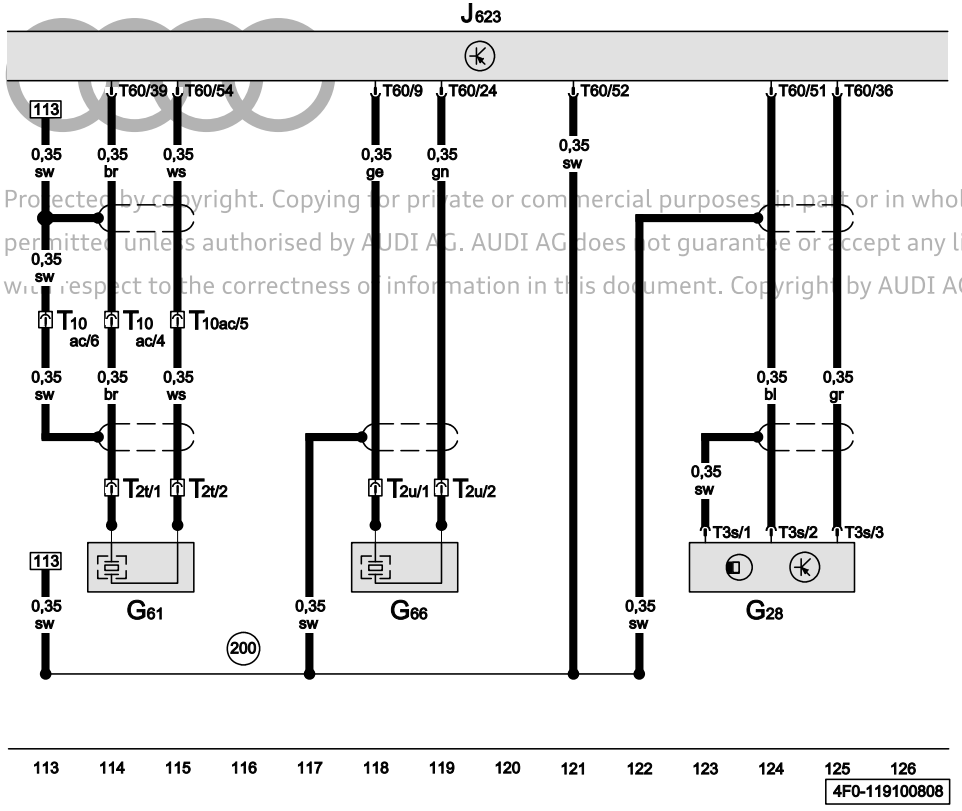


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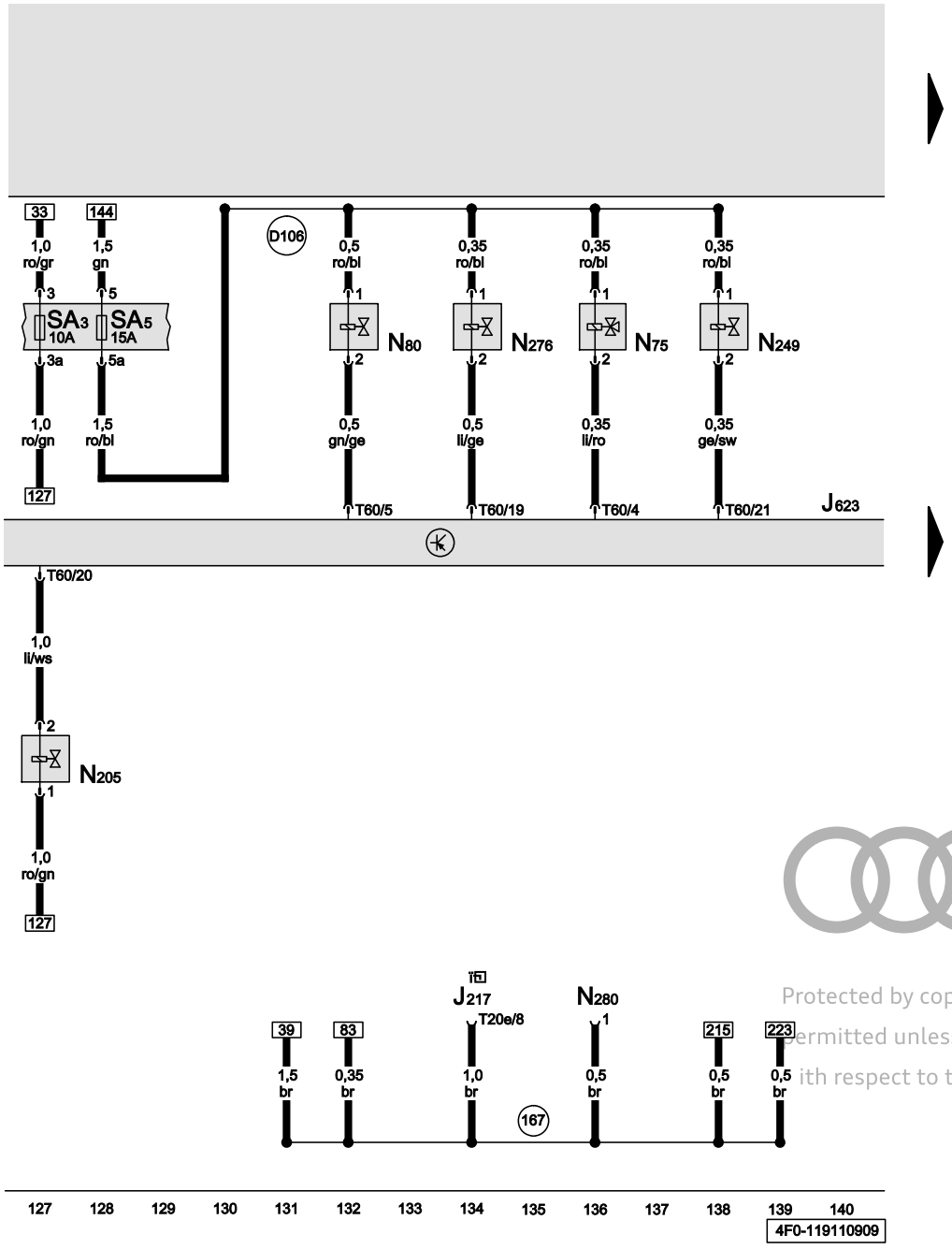
Engine control unit, Hall sender 2, knock sensors

G61	Knock sensor 1
G66	Knock sensor 2
G28	Engine speed sender
J623	Engine control unit
T2t	2-pin connector, black, on knock sensor 1
T2u	2-pin connector, black, on knock sensor 2
T3s	3-pin connector, grey, on Hall sender 2
T10ac	10-pin connector, black, in engine compartment
T60	60-pin connector, black, connector A, on engine control unit
200	Earth connection (screening) in engine compartment wiring harness



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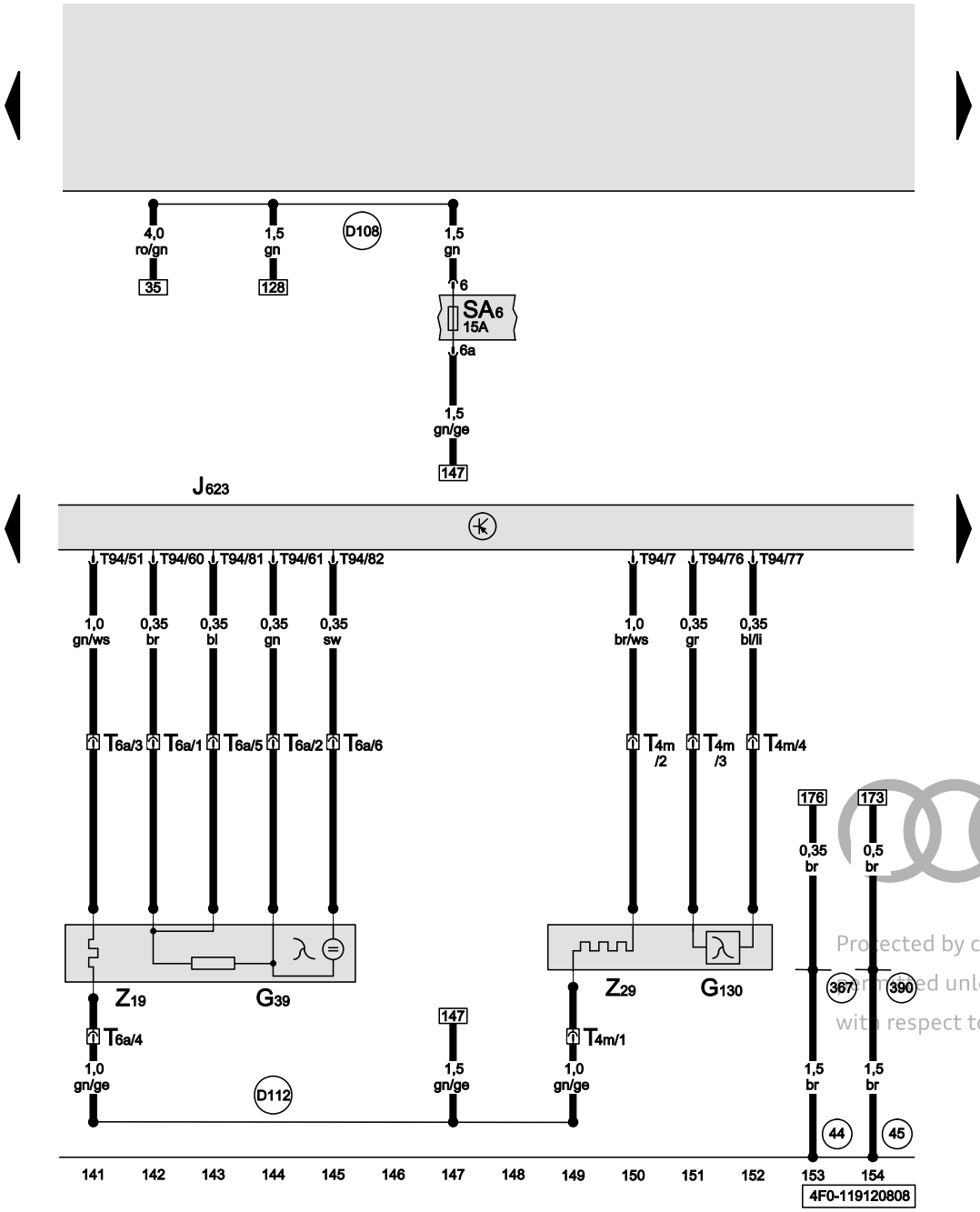


Engine control unit, active charcoal filter system solenoid valve 1, inlet camshaft control valve 1, charge pressure control solenoid valve

J217	Automatic gearbox control unit
J623	Engine control unit
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
N205	Inlet camshaft control valve 1
N249	Turbocharger air recirculation valve
N276	Fuel pressure regulating valve
N280	Air conditioning system compressor regulating valve
SA3	Fuse 3 on fuse holder A
SA5	Fuse 5 on fuse holder A
T20e	20-pin connector, black, on automatic gearbox control unit
T60	60-pin connector, black, connector A, on engine control unit
167	Earth connection 4, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
*	models with automatic gearbox 01J

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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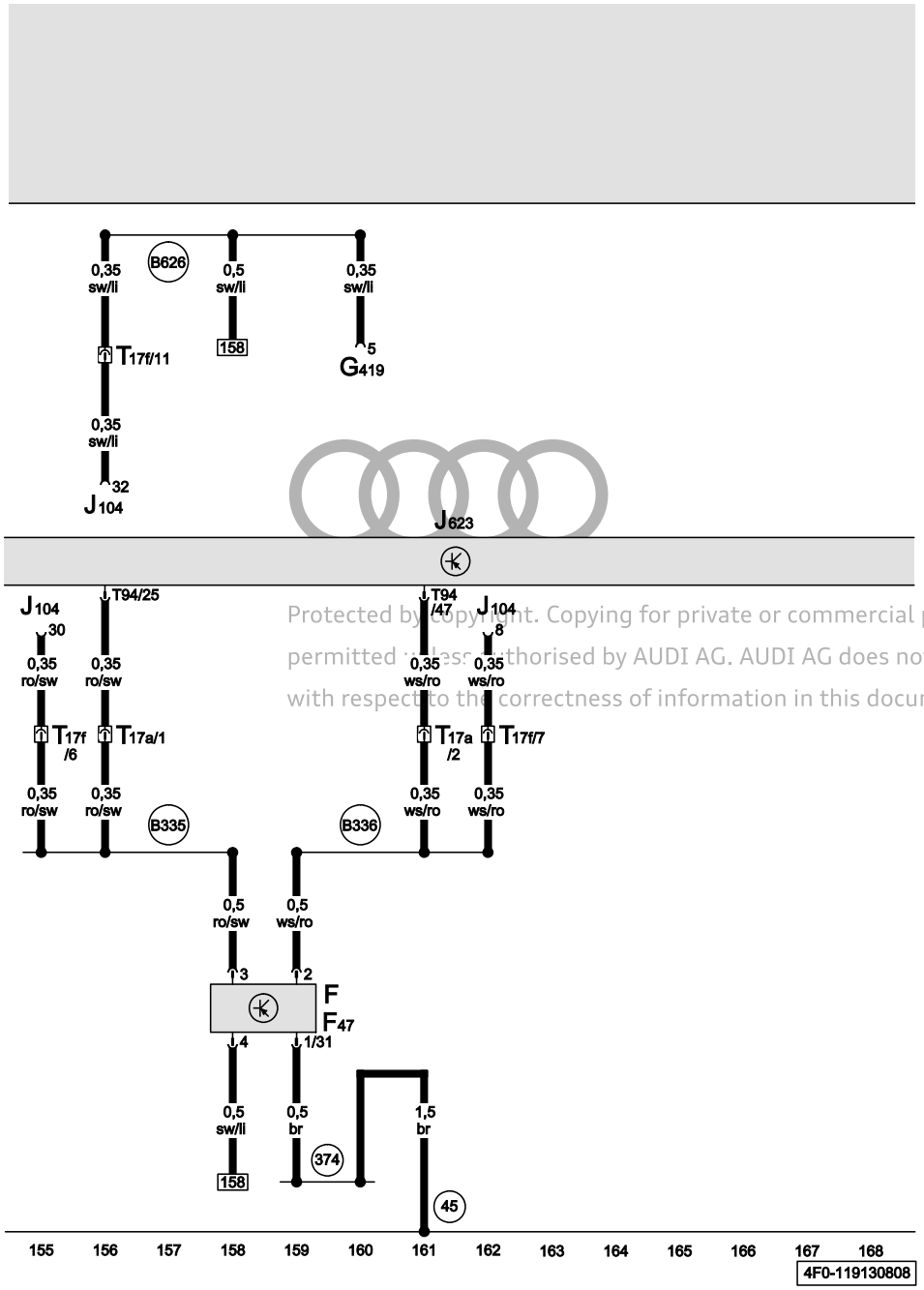


Engine control unit, lambda probe, lambda probe after catalytic converter

G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T4m	4-pin connector, brown, for Lambda probe after catalytic converter
T6a	6-pin connector, black, for Lambda probe
T94	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
390	Earth connection 25, in main wiring harness
D108	Connection 6, in engine compartment wiring harness
D112	Connection 10, in engine compartment wiring harness

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sw	=	black
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rt	=	red
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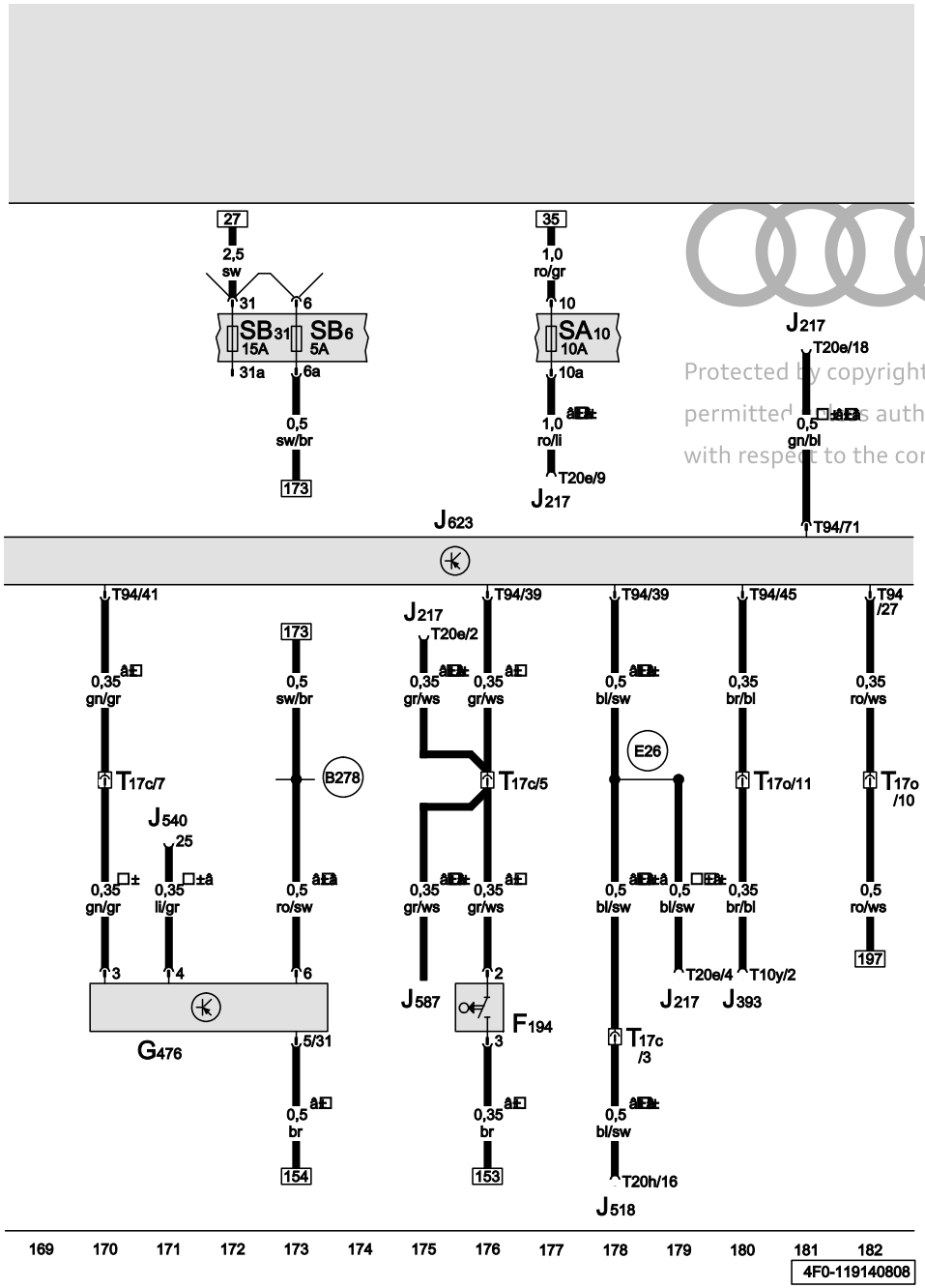


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Engine control unit, brake light switchbrake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J623	Engine control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T94	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness

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

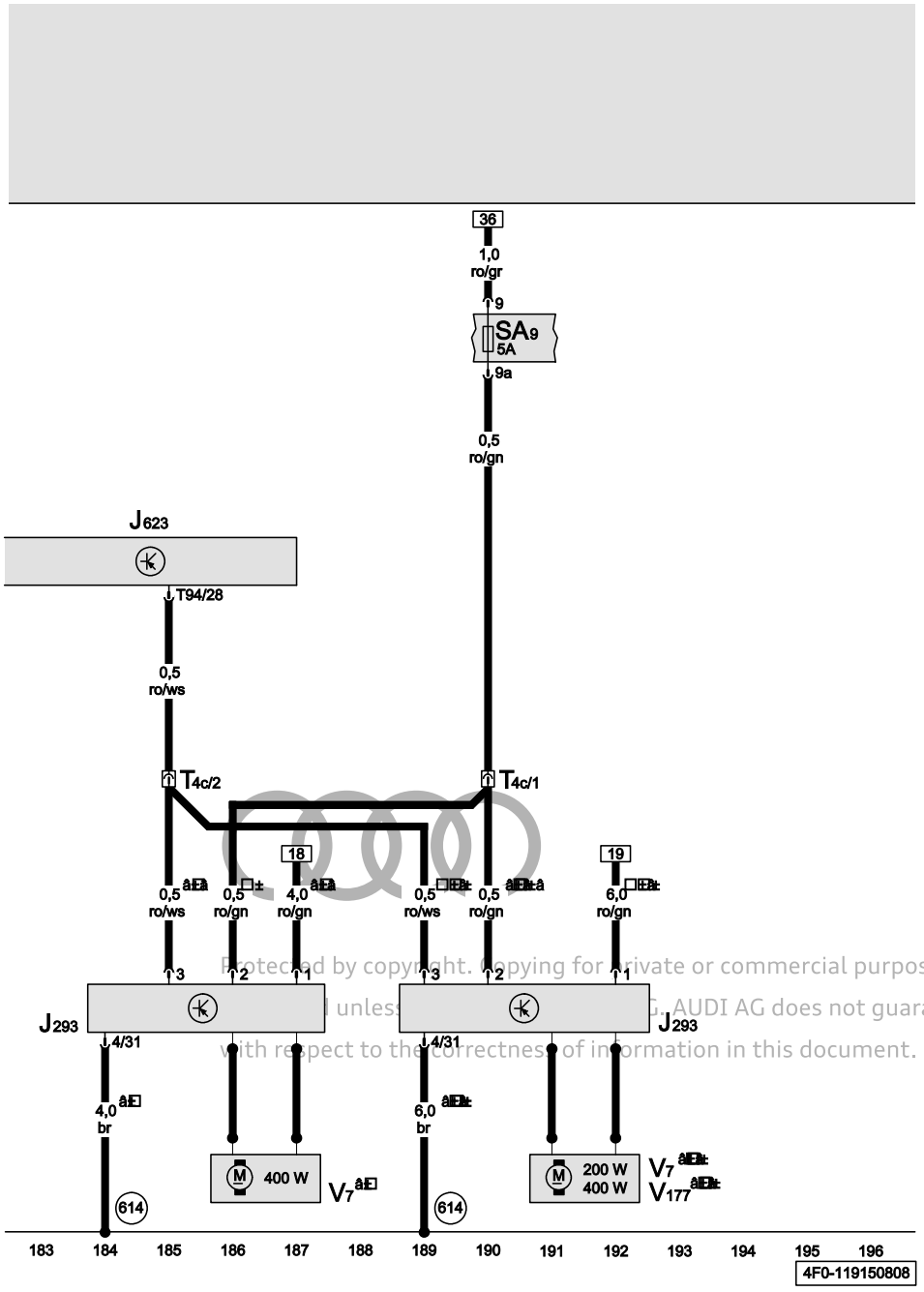


ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Engine control unit, clutch position sender, clutch pedal switch for engine start

F194	Clutch pedal switch for engine start
G476	Clutch position sender
J217	Automatic gearbox control unit
J393	Convenience system central control unit
J518	Entry and start authorisation control unit
J540	Control unit for electromechanical parking brake
J587	Selector lever sensors control unit
J623	Engine control unit
SA10	Fuse 10 on fuse holder A
SB6	Fuse 6 on fuse holder B
SB31	Fuse 31 on fuse holder B
T10y	10-pin connector, black, connector C, on convenience system control unit
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94	94-pin connector, black, connector B, on engine control unit
B278	Positive connection 2 (15a), in main wiring harness
E26	Connection (selector position P/N), in Motronic wiring harness
*	models with manual gearbox
**	models with automatic gearbox 01J

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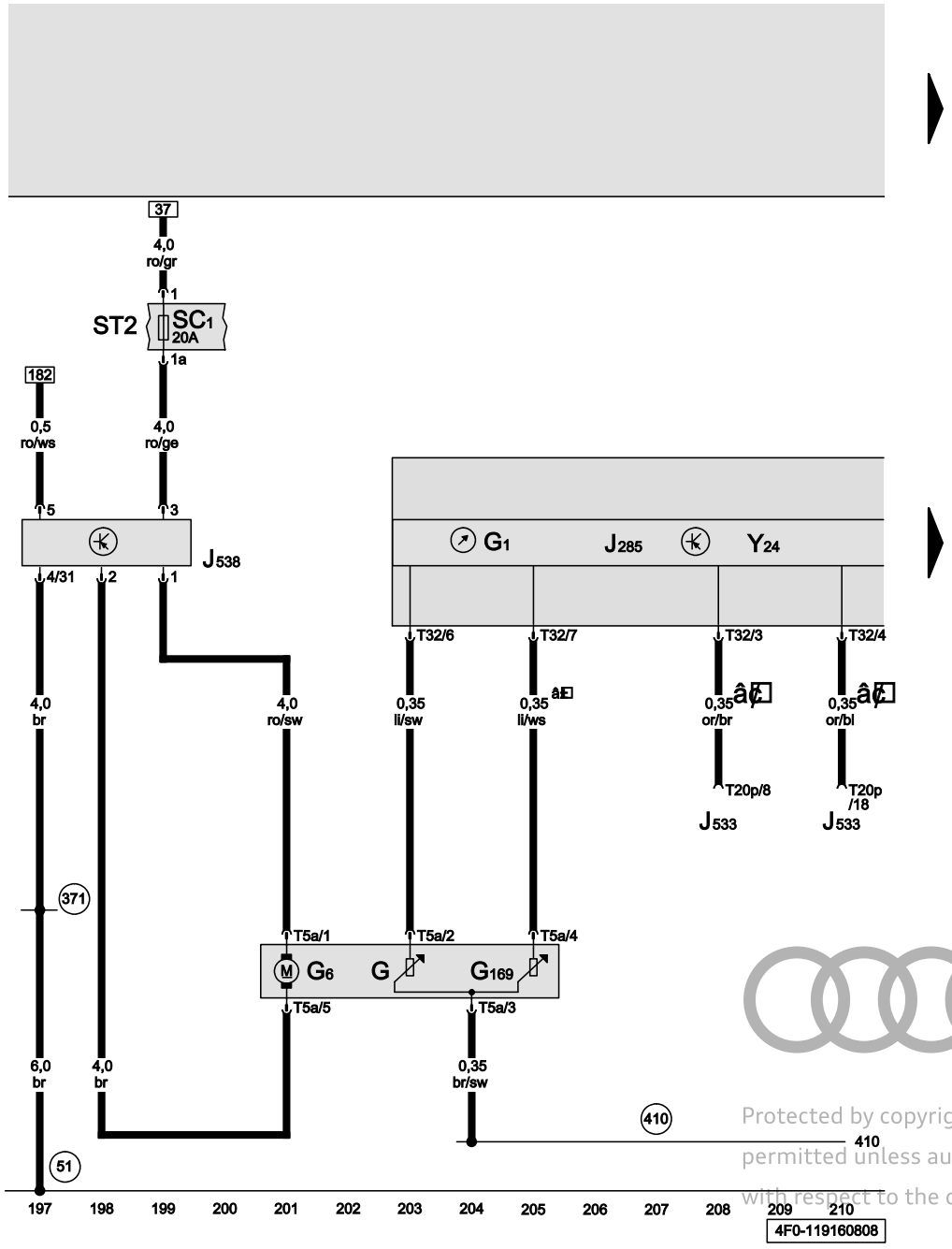


Engine control unit, radiator fan

J293	Radiator fan control unit
J623	Engine control unit
SA9	Fuse 9 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T94	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
*	standard cooling
**	heavy-duty cooling

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
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Control unit in dash panel insert, fuel gauge sender 2, fuel pump control unit, fuel gauge sender, fuel gauge, fuel system pressurisation pump

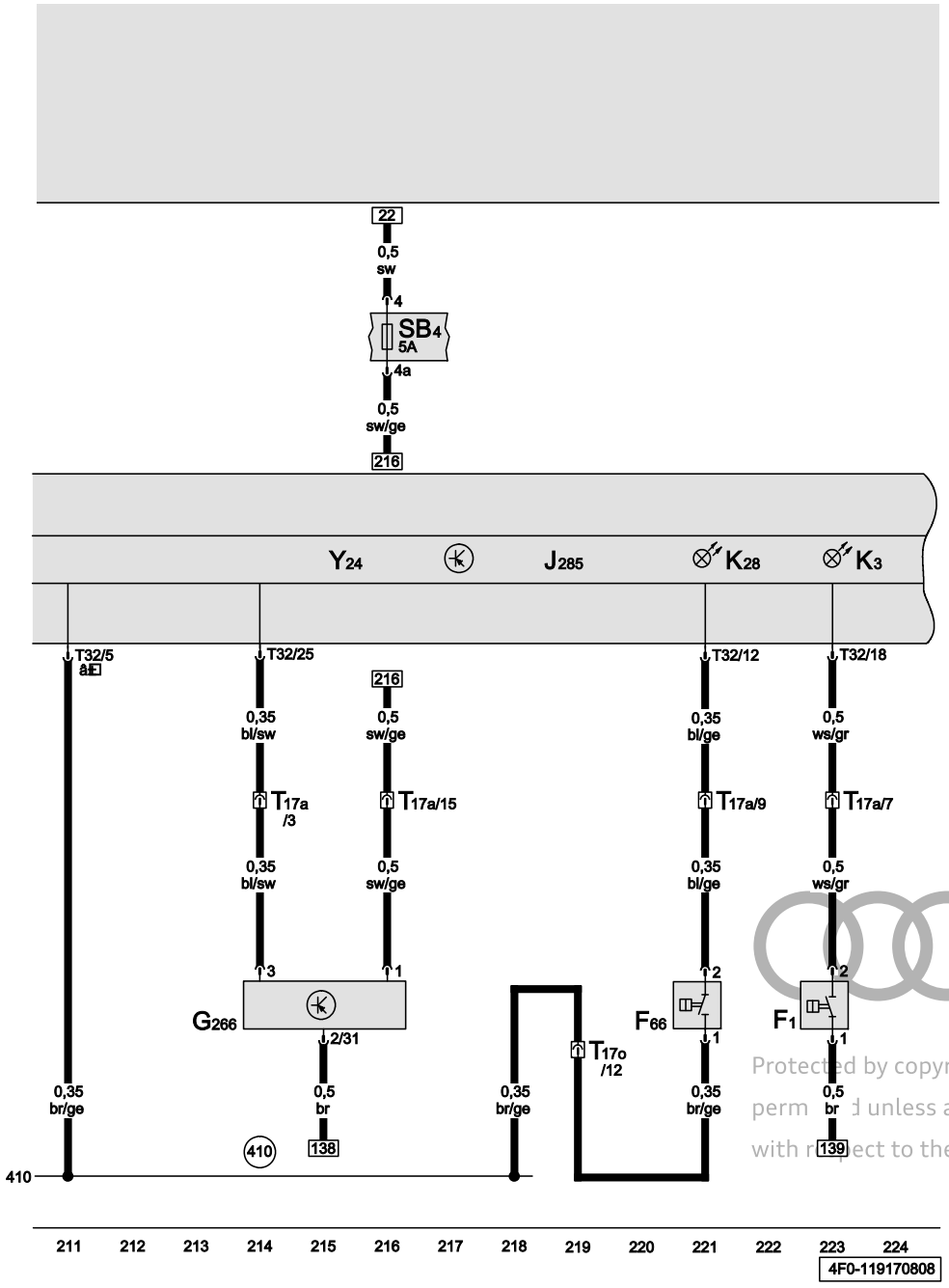
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J538	Fuel pump control unit
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
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Control unit in dash panel insert, oil pressure switch, coolant shortage indicator switch, oil level and oil temperature sender

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth



ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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MMI (information electronics I) (8DN, 8DP, 8DY, 8DS, 8YQ, UF7, 7T6, 7T2)

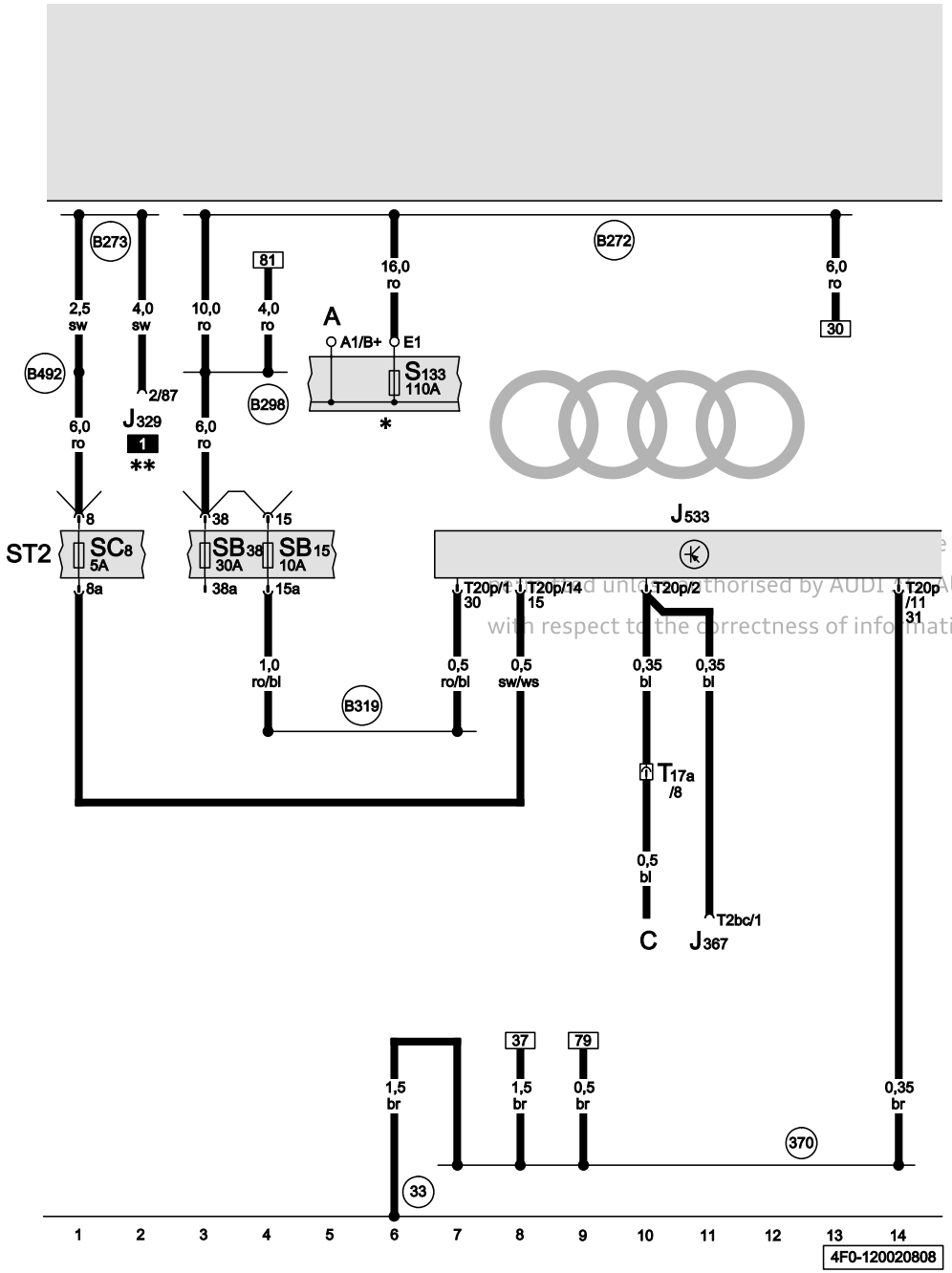
⇒ **for models with MMI generation 3 only (MOST)**
⇒ **Operating unit**
⇒ **Navigation system**
⇒ **AMI-interface (Audi Music Interface)**
from September 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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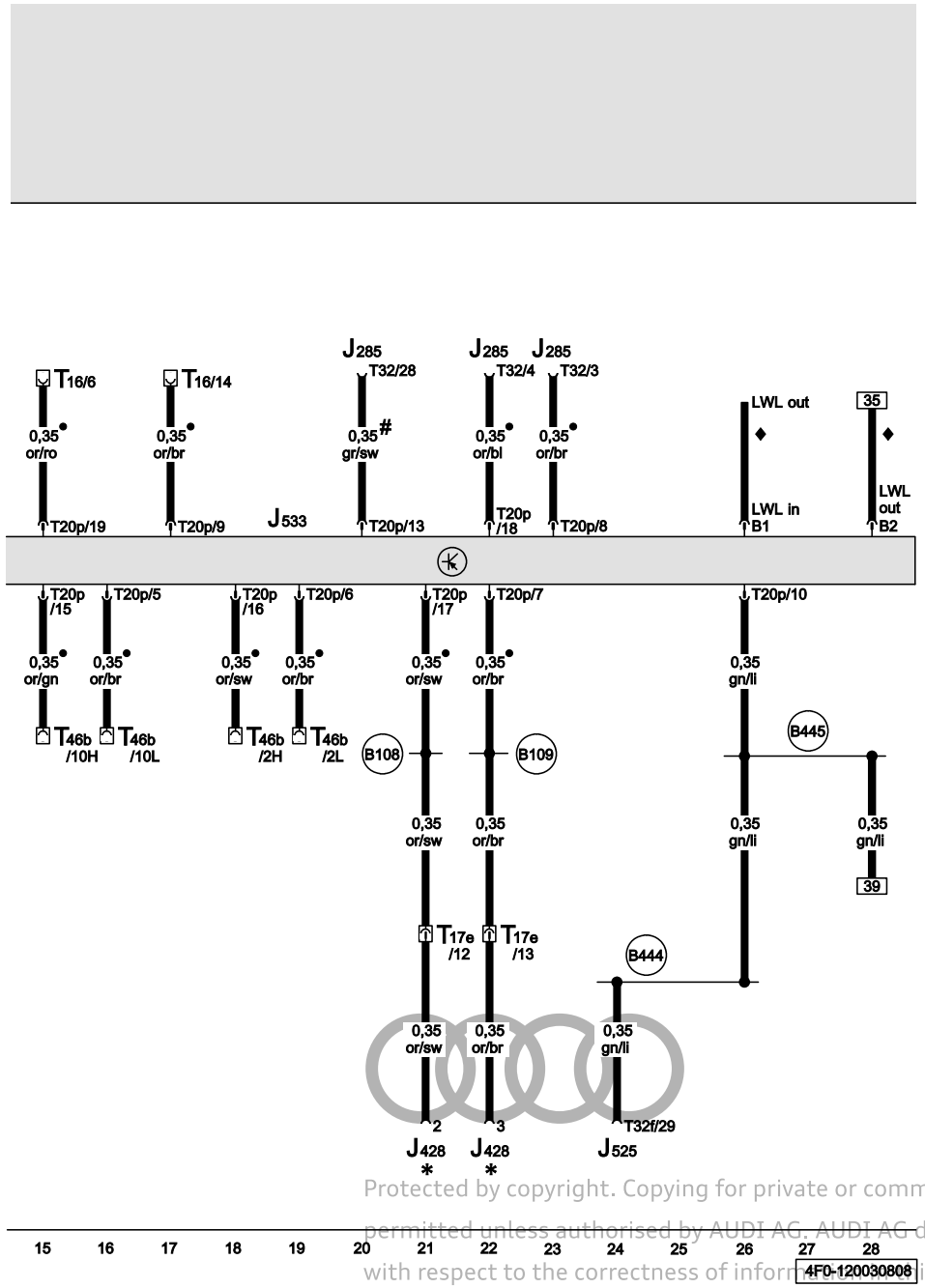


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Data bus diagnostic interface, fuses

A	Battery
C	Alternator
J329	Terminal 15 voltage supply relay
J367	Battery monitor control unit
J533	Data bus diagnostic interface
S133	Fuse 3
SB15	Fuse 15 on fuse holder B
SB38	Fuse 38 on fuse holder B
SC8	Fuse 8 on fuse holder C
T2bc	2-pin connector, yellow, on battery monitor control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
**	9-point relay carrier, behind driver storage compartment

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



Data bus diagnostic interface

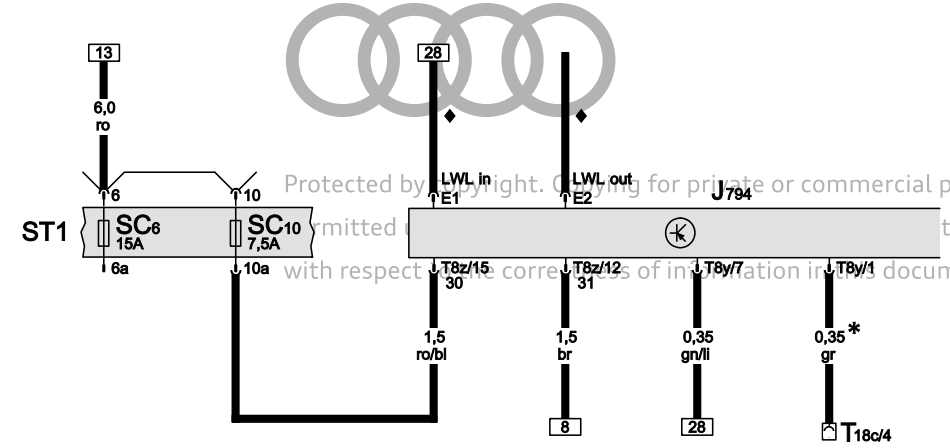
J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
T16	16-pin connector, diagnostic connector
T17e	17-pin connector, red, coupling station on left of A-pillar
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T32f	32-pin connector, black, connector A, on digital sound package control unit
T46b	46-pin connector, CAN disconnector right
B108	Connection 1 (CAN bus extended high) in main wiring harness
B109	Connection 1 (CAN bus extended low) in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
•	CAN bus (data wire)
*	models with distance control
#	Wake Up wire (exciter wire)
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
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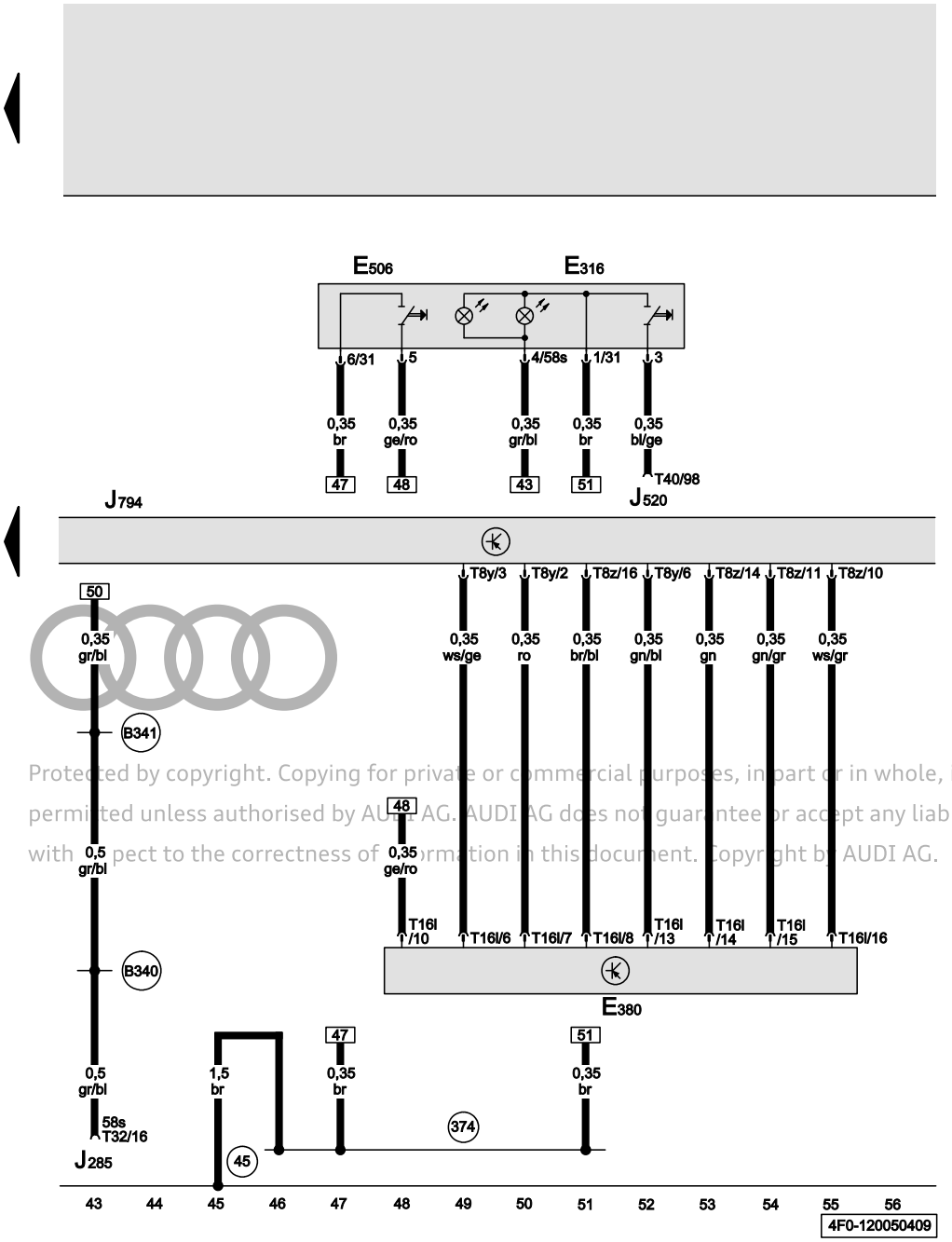
Control unit 1 for information electronics, fuses

J794	Control unit for information electronics 1
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, control unit for information electronics 1
T18c	18-pin connector, black, behind the glove box
*	Models with preparation for mobile telephone without hands-free system control unit (VDA interface)
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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Control unit for information electronics 1, multimedia system operating unit, glove compartment button, display unit button

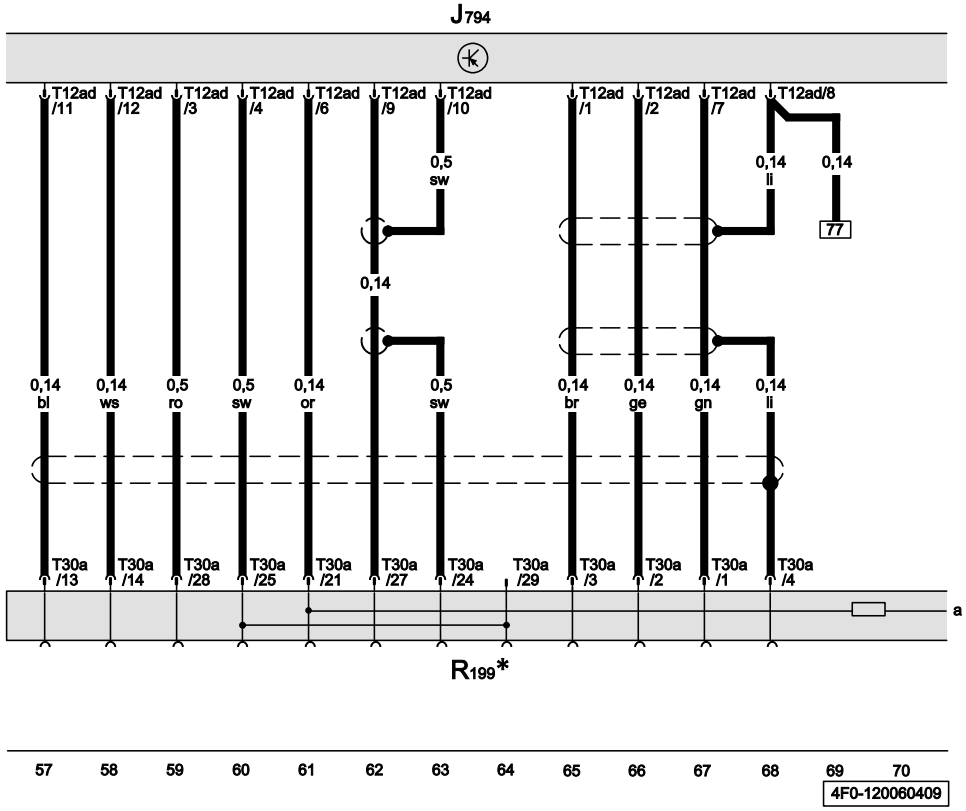
E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J794	Control unit for information electronics 1
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T16l	16-pin connector, brown, on multimedia system operating unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness

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

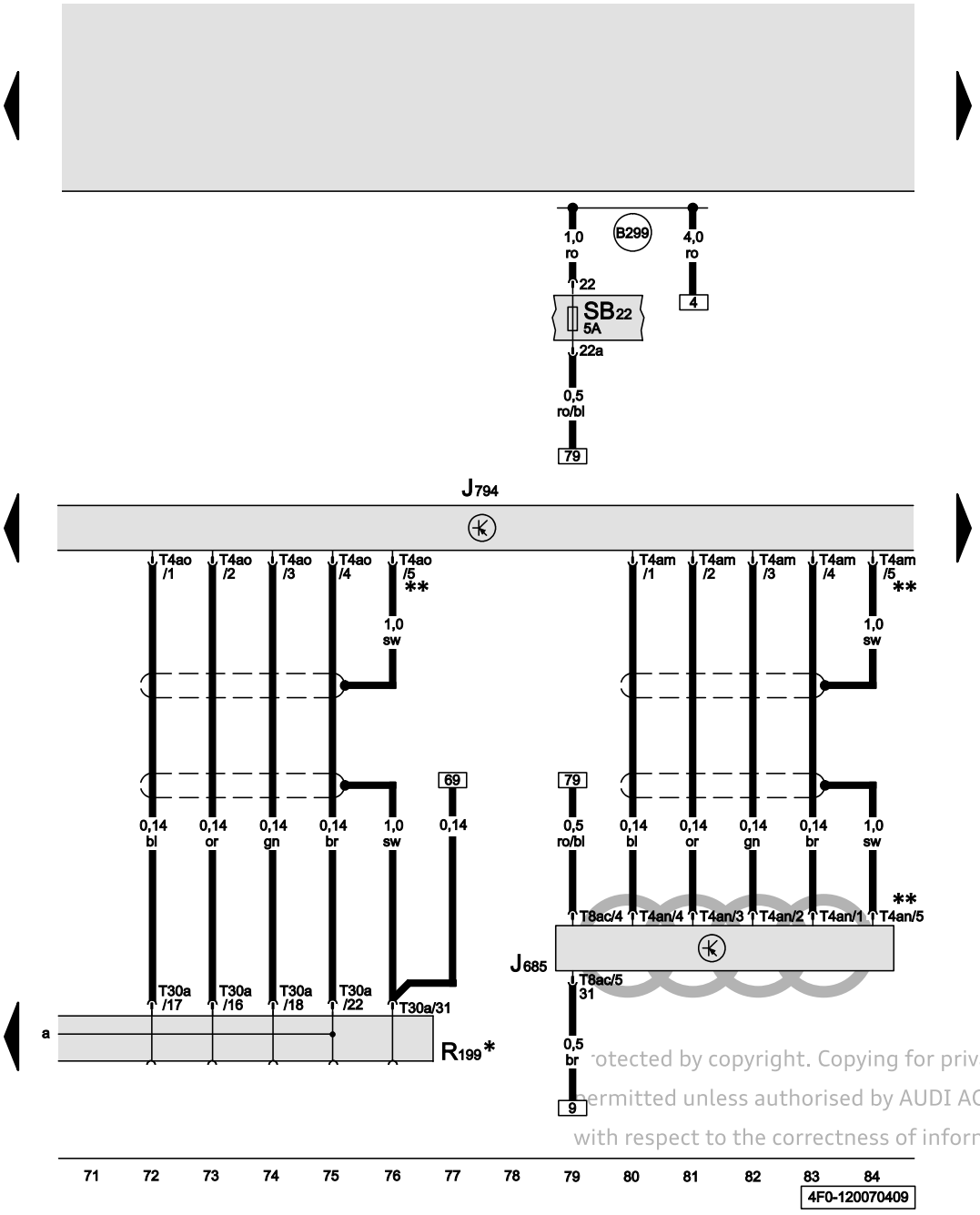
Control unit for information electronics 1, connection for external audio source

J794	Control unit for information electronics 1
R199	Connection for external audio source
T12ad	12-pin connector, green, connector C, on control unit for information electronics 1
T30a	30-pin connector, interface for connection for external audio source, in glove compartment
*	models with Audi Music Interface (AMI)

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Control unit for information electronics 1, display unit for front information display and operating unit control unit, connection for external audio source

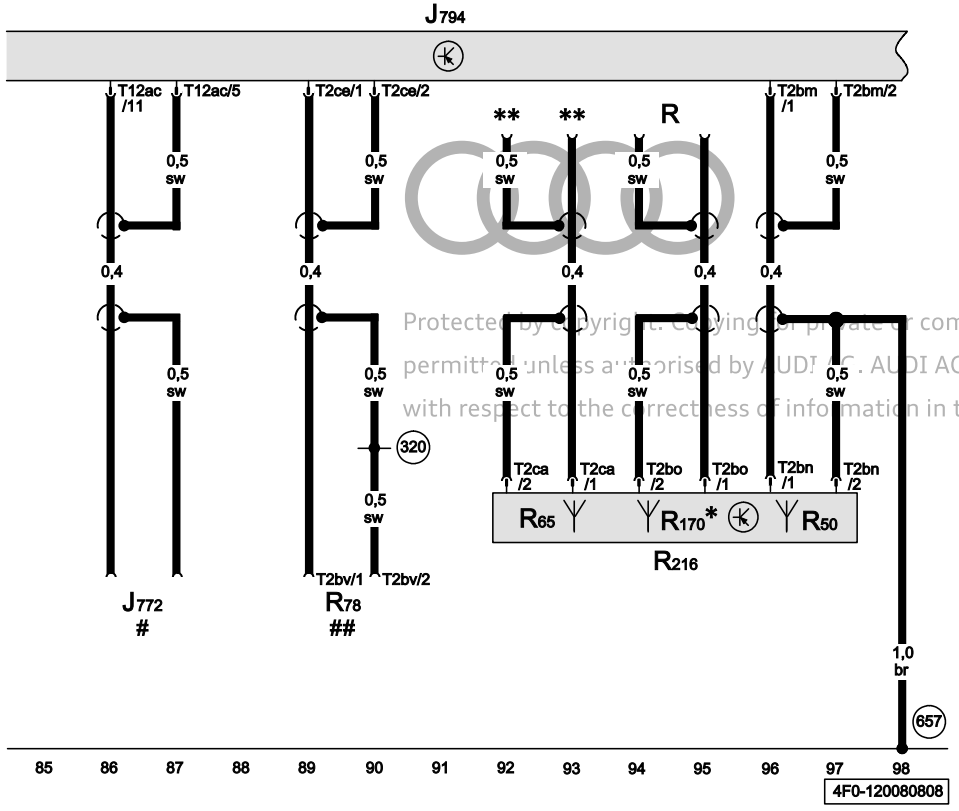
J794	Control unit for information electronics 1
J685	Display unit for front information display and operating unit control unit
R199	Connection for external audio source
SB22	Fuse 22 on fuse holder B
T4am	4-pin connector, grey, on control unit for information electronics 1
T4an	4-pin connector, black, on display unit for front information display and operating unit control unit
T4ao	4-pin connector, on control unit for information electronics 1
T8ac	8-pin connector, black, on display unit for front information display and operating unit control unit
T30a	30-pin connector, interface for connection for external audio source, in glove compartment
B299	Positive connection 3 (30), in main wiring harness
*	models with Audi Music Interface (AMI)
**	screening on connector housing

ws	=	white
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ro	=	red
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Control unit for information electronics 1, roof aerial

J772	Reversing camera system control unit
J794	Control unit for information electronics 1
R	Radio
R50	Navigation system aerial
R65	Telephone aerial
R78	TV tuner
R170	Satellite aerial
R216	roof aerial
T2bm	2-pin connector, blue, connector F, on control unit for information electronics 1
T2bn	2-pin connector, blue, on roof aerial
T2bo	2-pin connector, white, on roof aerial
T2bv	2-pin connector, green, on TV tuner
T2ca	2-pin connector, purple, on roof aerial
T2ce	2-pin connector, green, on control unit for information electronics 1
T12ac	12-pin connector, blue, connector B, on control unit 1 for information electronics
320	Earth connection (screening 1, TV), in communication wiring harness
657	Earth point 1, on left near rear window
*	models with US equipment
**	models with telephone
#	models with reversing camera system
##	models with TV tuner ⇒ applicable Current Flow Diagram



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MMI with radio and soundsystem BOSE (8RY)

⇒ **for models with MMI generation 3 only (MOST)**

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

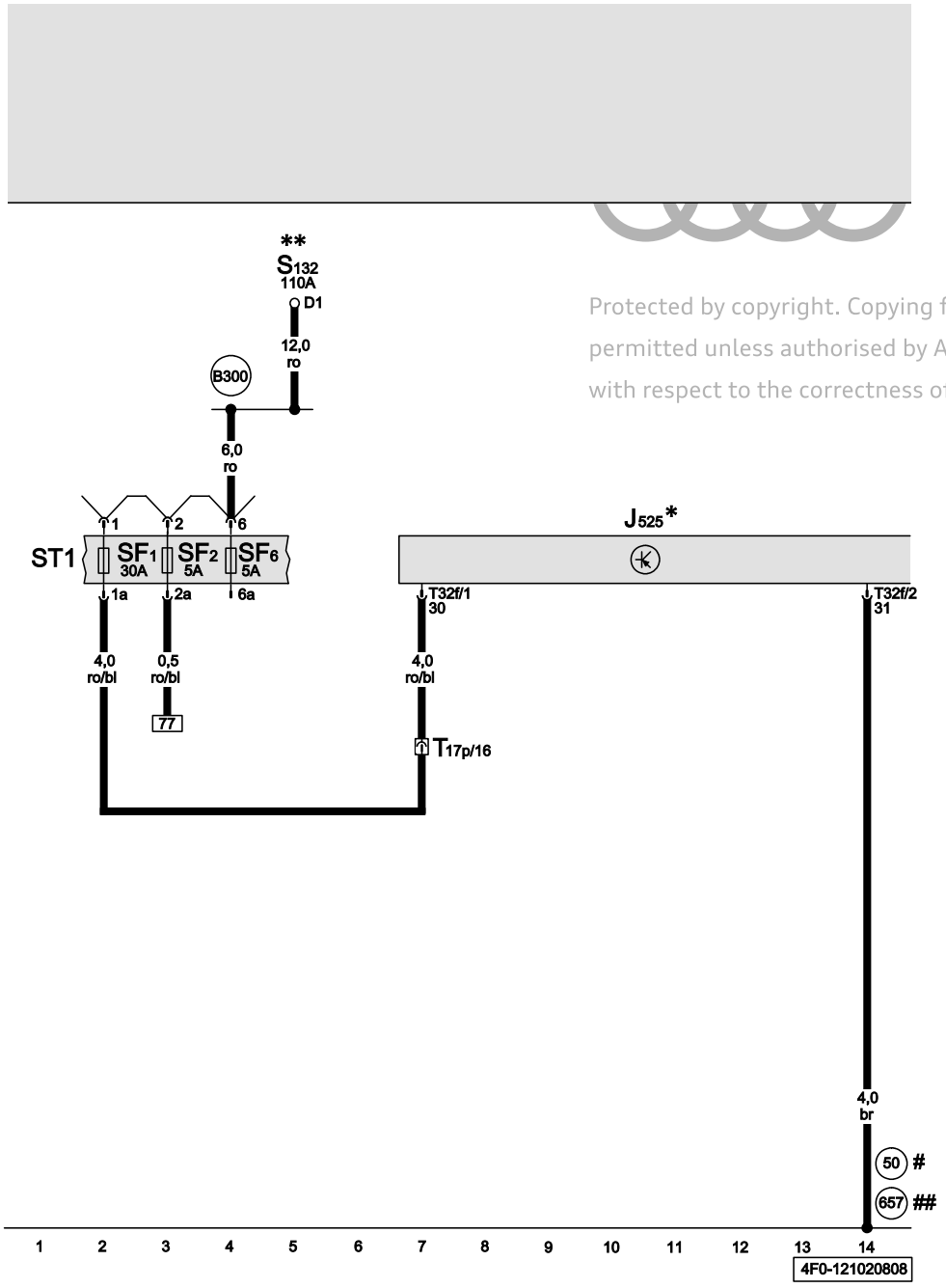
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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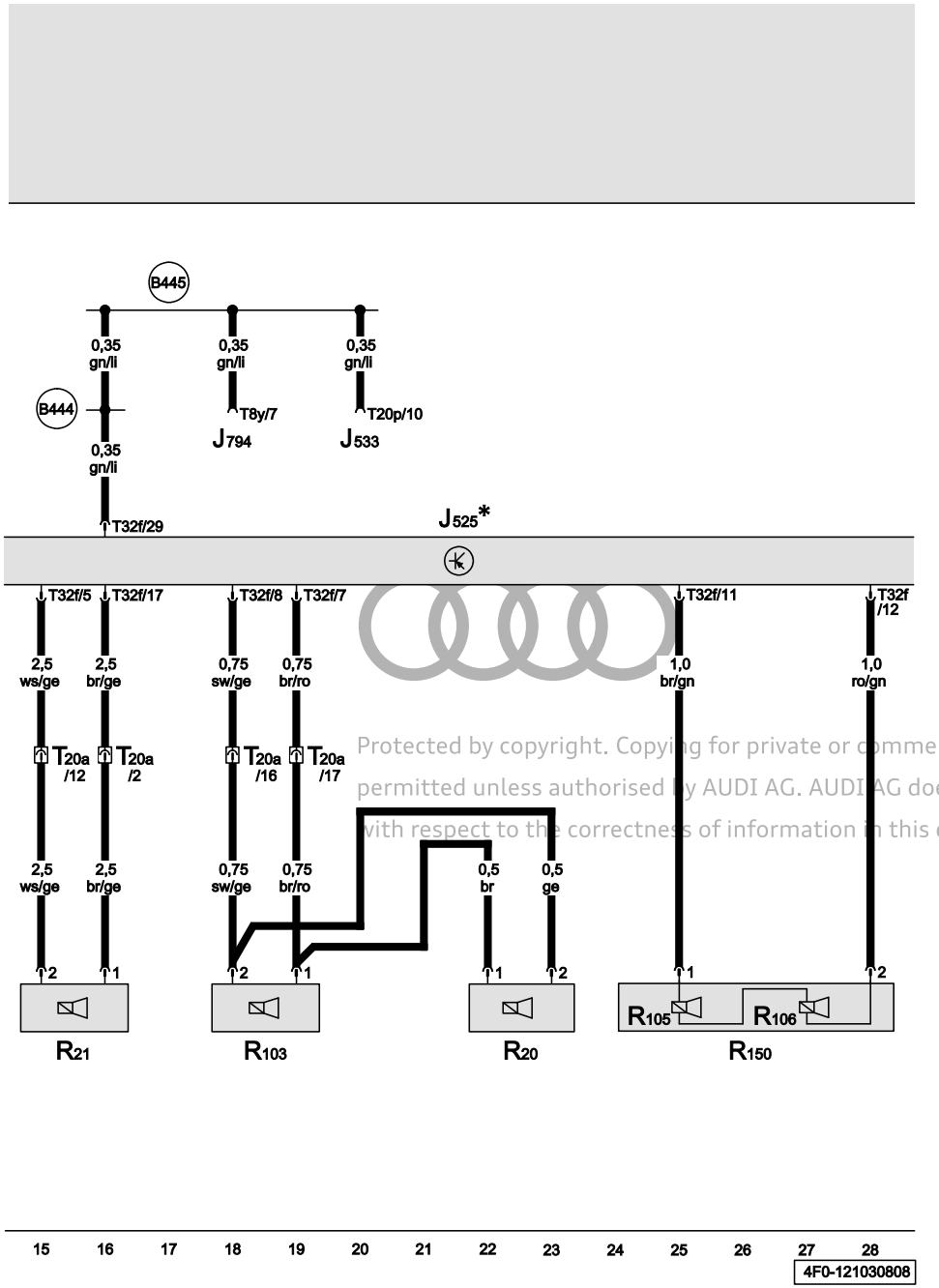


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Digital sound package control unit, fuses

J525	Digital sound package control unit
S132	Fuse 2
SF1	Fuse 1 on fuse holder F
SF6	Fuse 6 on fuse holder F
T17p	17-pin connector, black, in left luggage compartment
T32f	32-pin connector, black, connector A, on digital sound package control unit
50	Earth point, on left in luggage compartment
657	Earth point 1, on left near rear window
B300	Positive connection 4 (30), in main wiring harness
*	on left in luggage compartment
**	main fuse box, in luggage compartment, rear right, on the battery
#	saloon models
##	Avant

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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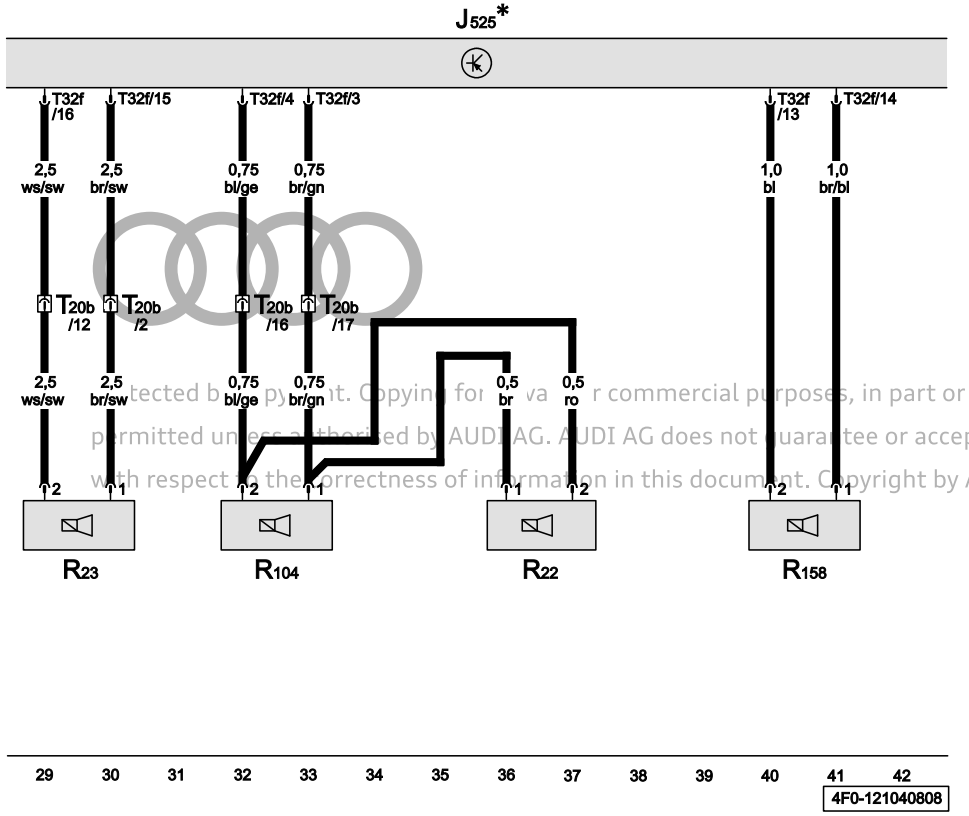
Digital sound package control unit, front left treble loudspeaker, front left bass loudspeaker, front left mid-range loudspeaker, loudspeaker in rear shelf

J525	Digital sound package control unit
J533	Data bus diagnostic interface
J794	Control unit for information electronics 1
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
R103	Front left mid-range loudspeaker
R105	Rear left mid-range loudspeaker
R106	Rear right mid-range loudspeaker
R150	Loudspeaker in rear shelf
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T20a	20-pin connector, black, left A-pillar
T20p	20-pin connector, black, on data bus diagnostic interface
T32f	32-pin connector, black, connector A, on digital sound package control unit
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	on left in luggage compartment

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

Digital sound package control unit, front right treble loudspeaker, front right bass loudspeaker, front right mid-range loudspeaker, centre mid-range and treble loudspeaker

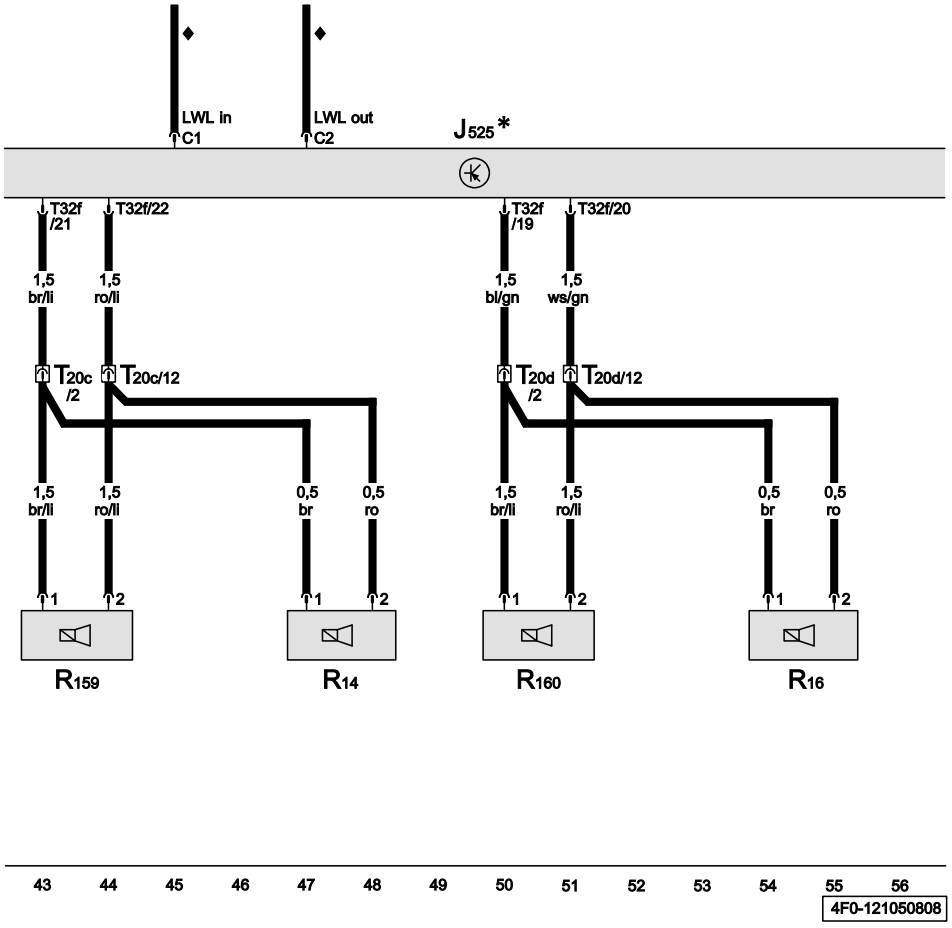
J525	Digital sound package control unit
R22	Front right treble loudspeaker
R23	Front right bass loudspeaker
R104	Front right mid-range loudspeaker
R158	Centre mid-range and treble loudspeaker
T20b	20-pin connector, black, right A-pillar
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment



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Digital sound package control unit, rear left and right treble loudspeaker, rear left and right mid-range and bass loudspeaker

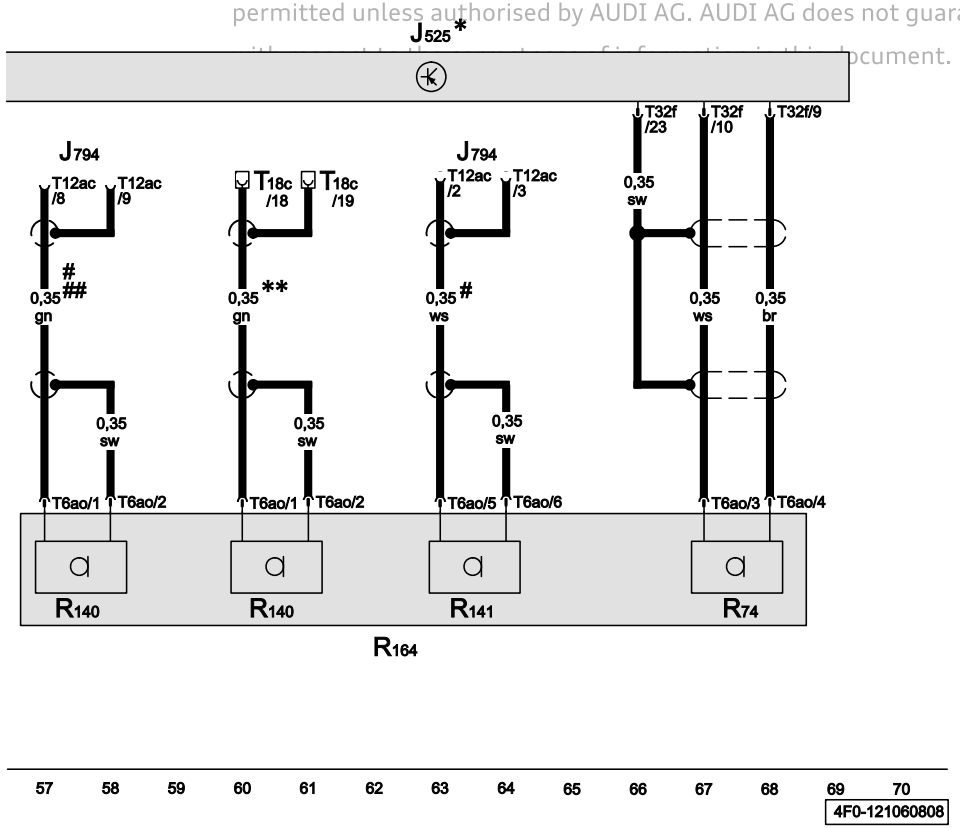
J525	Digital sound package control unit
R14	Rear left treble loudspeaker
R16	Rear right treble loudspeaker
R159	Rear left mid-range and bass loudspeaker
R160	Rear right mid-range and bass loudspeaker
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

ws	=	white
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or	=	orange
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Digital sound package control unit, internal microphone, microphone unit in front roof module

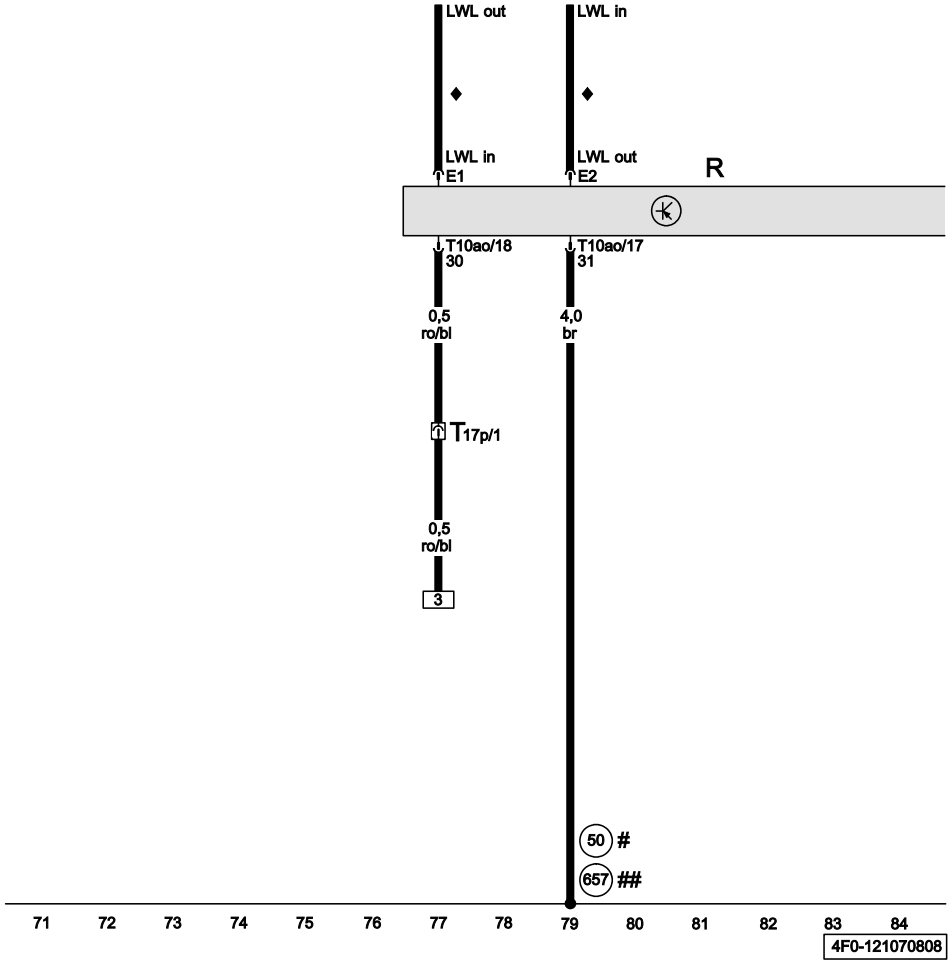
J525	Digital sound package control unit
J794	Control unit for information electronics 1
R74	Internal microphone
R140	Front left microphone
R141	Front right microphone
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T12ac	12-pin connector, blue, connector B, on control unit 1 for information electronics
T18c	18-pin connector, black, preparation for mobile telephone
T32f	32-pin connector, black, connector A, on digital sound package control unit
*	on left in luggage compartment
**	Models with preparation for mobile telephone without hands-free system control unit (VDA interface)
#	models with microphone
##	models with voice control

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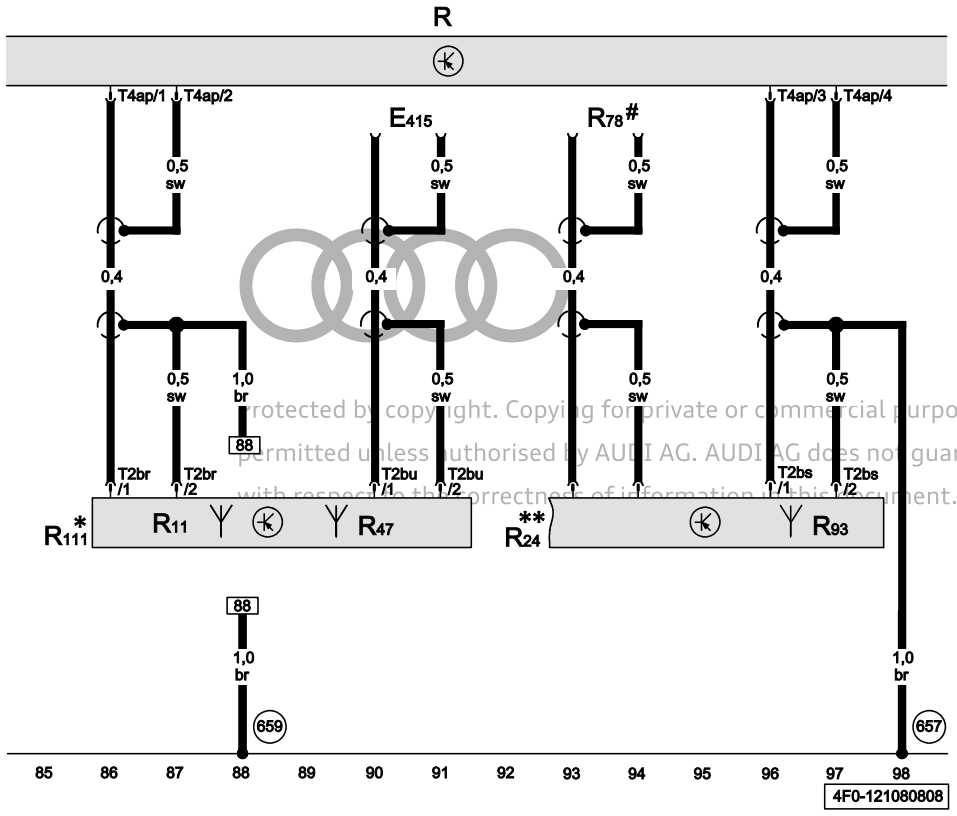
Radio, voltage supply

R	Radio
T10ao	10-pin connector, black, connector D, on radio
T17p	17-pin connector, black, in left luggage compartment
50	Earth point, on left in luggage compartment
657	Earth point 1, on left near rear window
B300	Positive connection 4 (30), in main wiring harness
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)
#	saloon models
##	Avant

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

Radio, aerial amplifier 2, aerial amplifier

E415	Entry and start authorisation switch
R	Radio
R11	Aerial
R24	Aerial amplifier
R47	Central locking and anti-theft alarm system aerial
R78	TV tuner
R93	Radio aerial 2
R111	Aerial amplifier 2
T2br	2-pin connector, yellow, on aerial amplifier 2
T2bs	2-pin connector, white, on aerial amplifier
T2bu	2-pin connector, grey, on aerial amplifier 2
T4ap	4-pin connector, white, connector F, on radio
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
*	on rear window upper right
**	on rear window upper left
#	for models with TV tuner only, ⇒ applicable Current Flow Diagram

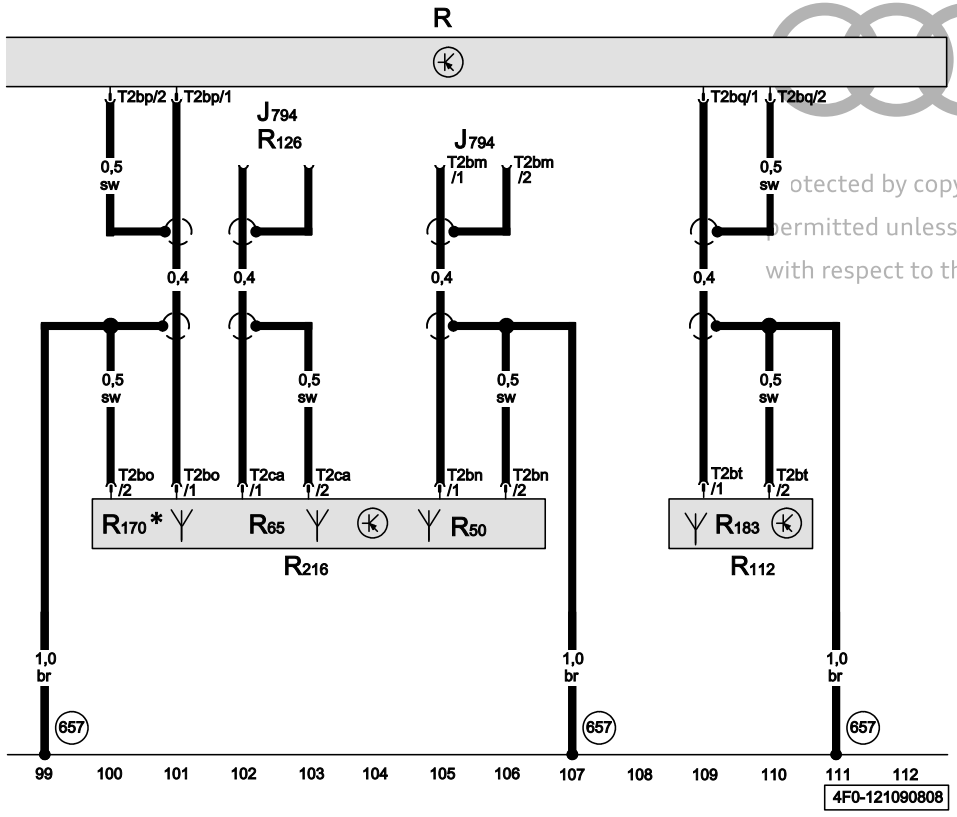


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or	=	orange
rs	=	pink

Radio, roof aerial, aerial amplifier 3

J794	Control unit for information electronics 1
R	Radio
R50	Navigation system aerial
R65	Telephone aerial
R112	Aerial amplifier 3
R126	Telephone bracket
R170	Satellite aerial
R183	Digital radio aerial
R216	roof aerial
T2bm	2-pin connector, blue, connector F, on control unit for information electronics 1
T2bn	2-pin connector, blue, on roof aerial
T2bo	2-pin connector, white, on roof aerial
T2bp	2-pin connector, green, connector G, on radio
T2bq	2-pin connector, black, connector G, on radio
T2bt	2-pin connector, black, on aerial amplifier 3
T2ca	2-pin connector, purple, on roof aerial
657	Earth point 1, on left near rear window
*	for models with US equipment only



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rs	=	pink

MMI with radio and soundsystem standard (9VD)

⇒ **for models with MMI generation 3 only (MOST)**

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

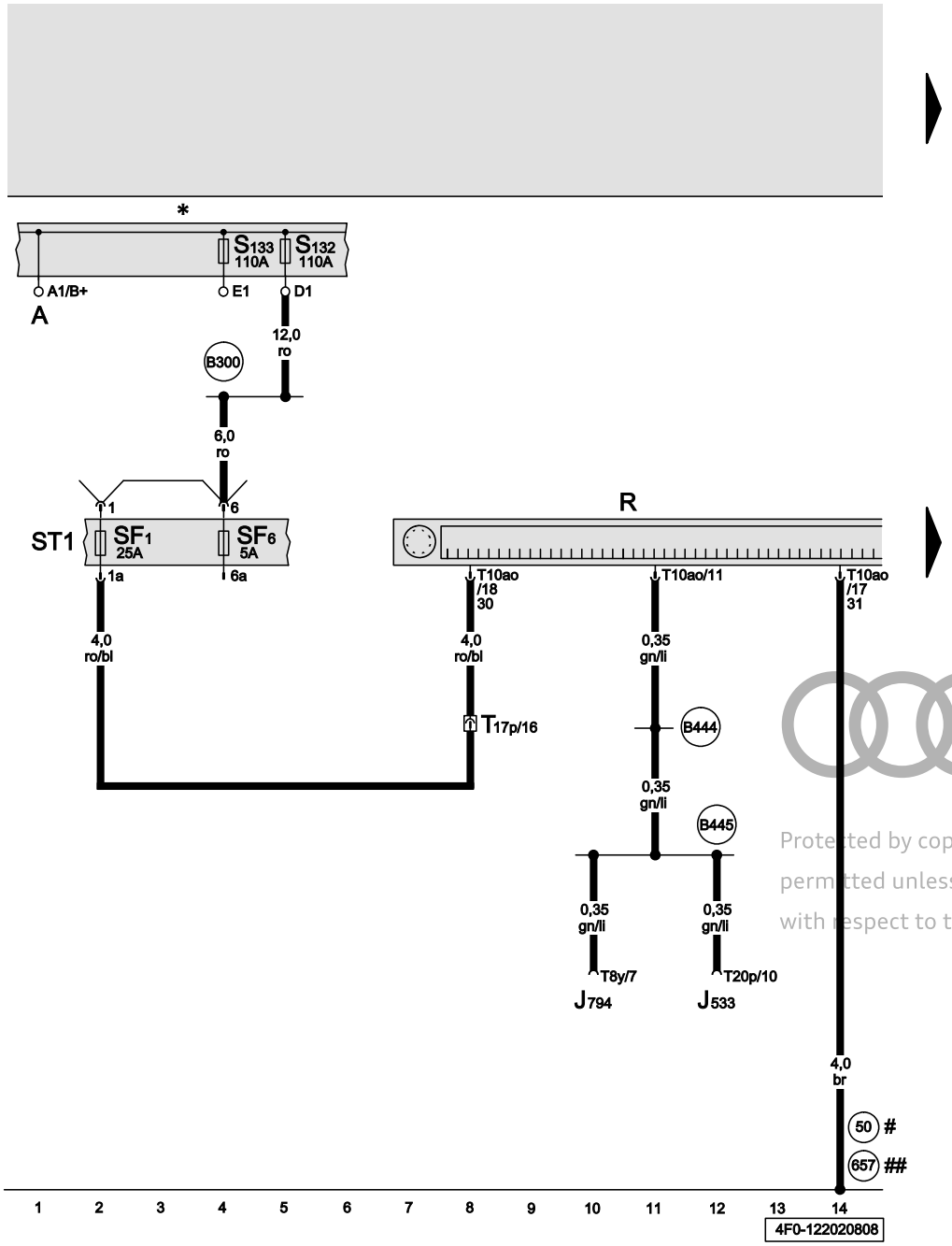
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Radio, fuses

A	Battery
J533	Data bus diagnostic interface
J794	Control unit for information electronics 1
R	Radio
S132	Fuse 2
S133	Fuse 3
SF1	Fuse 1 on fuse holder F
SF6	Fuse 6 on fuse holder F
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T10ao	10-pin connector, black, connector D, on radio
T17p	17-pin connector, black, in left luggage compartment
T20p	20-pin connector, black, on data bus diagnostic interface
50	Earth point, on left in luggage compartment
657	Earth point 1, on left near rear window
B300	Positive connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	main fuse box, in luggage compartment, rear right, on the battery
#	saloon models
##	Avant

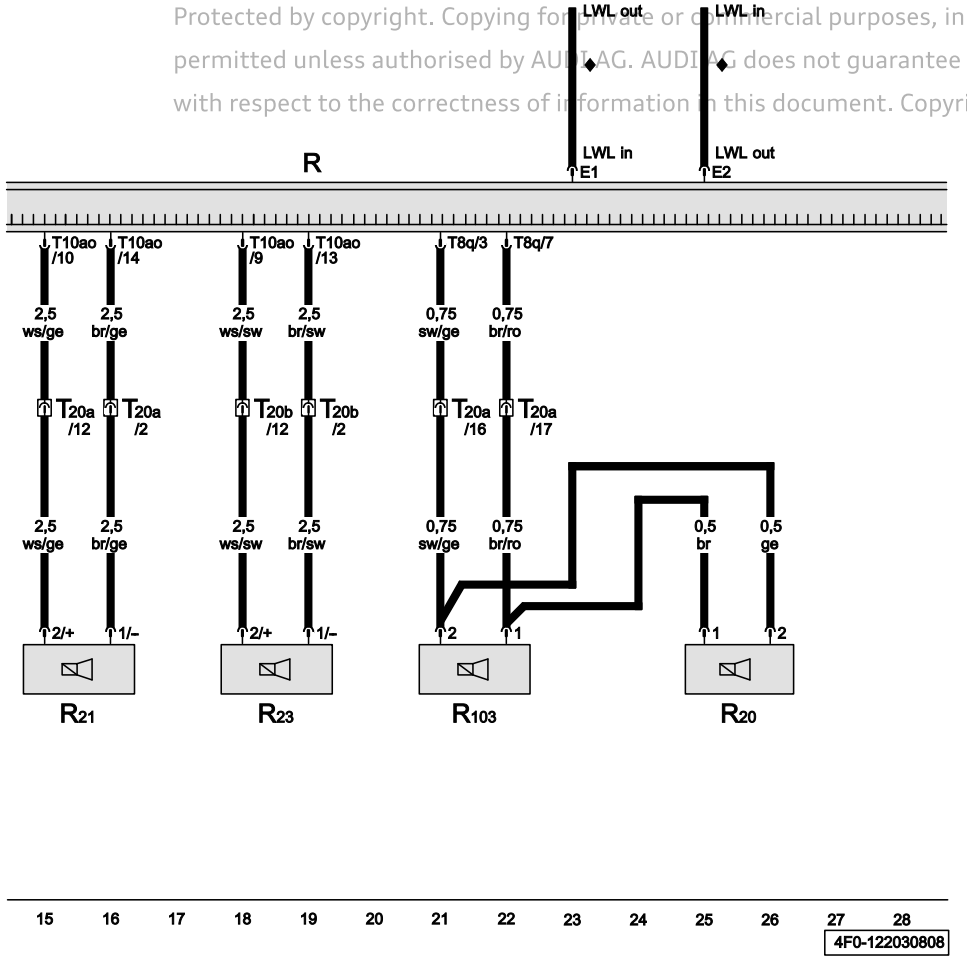
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rs	=	pink

Radio, front left and right bass loudspeaker, front left mid-range loudspeaker, front left treble loudspeaker

R	Radio
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R103	Front left mid-range loudspeaker
T8q	8-pin connector, brown, connector A, on radio
T10ao	10-pin connector, black, connector D, on radio
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

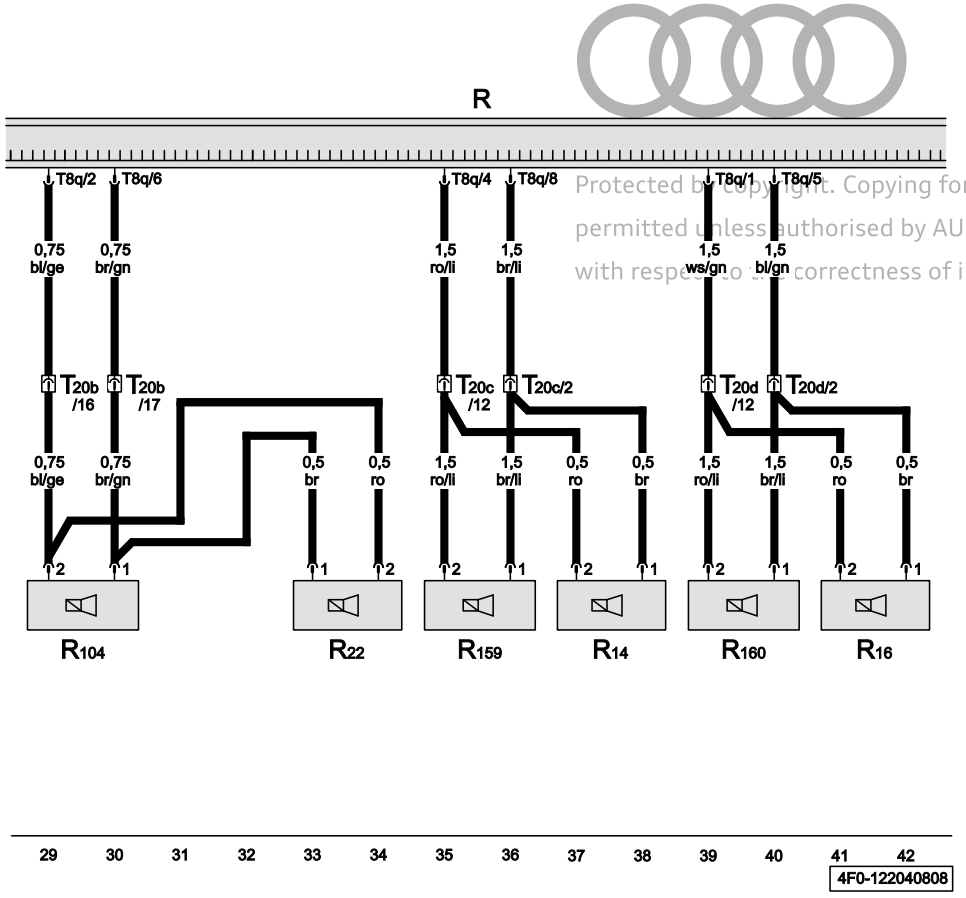
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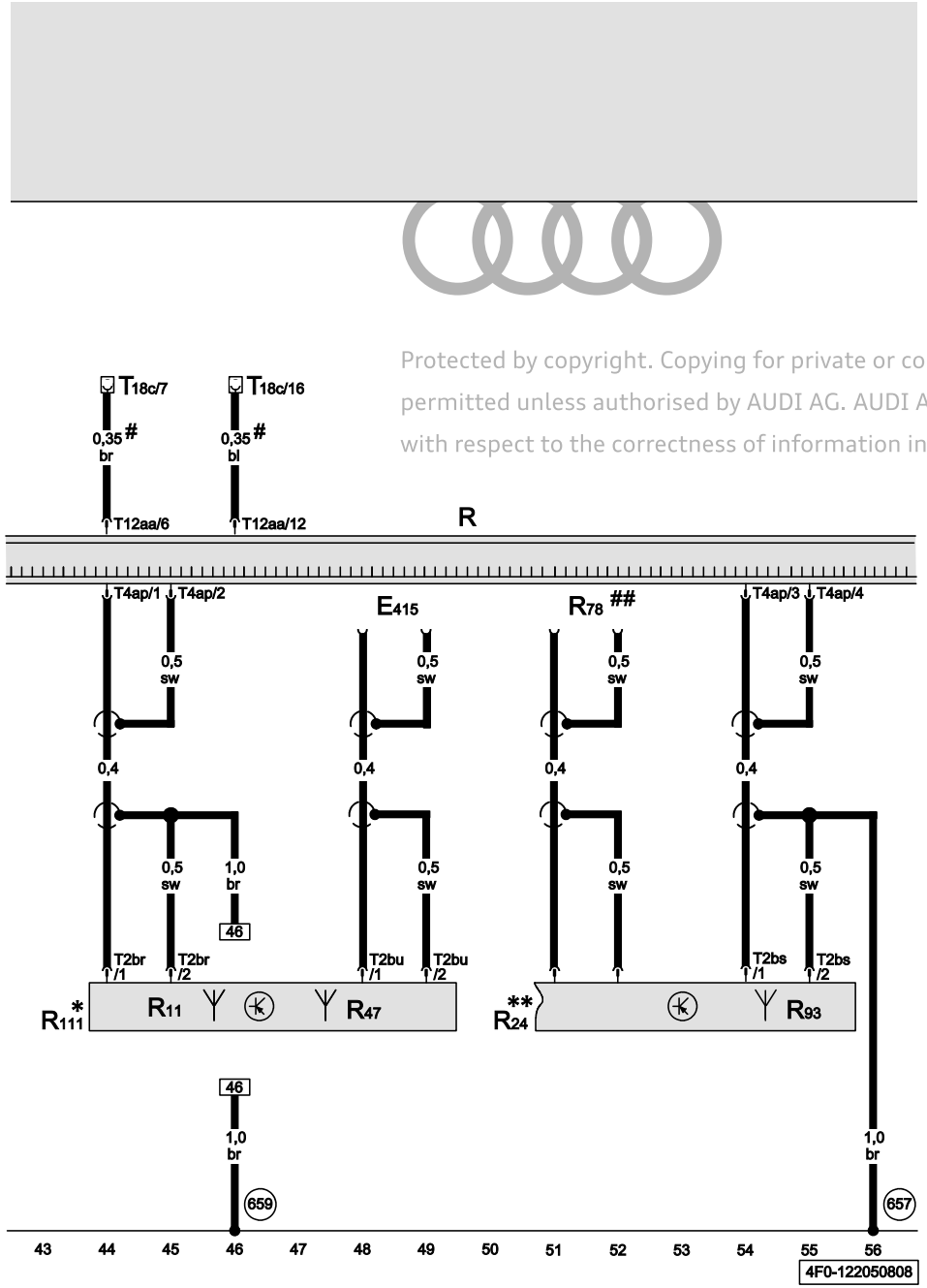
Radio, front right mid-range loudspeaker, rear left and right mid-range and bass loudspeaker, treble loudspeaker

R	Radio
R14	Rear left treble loudspeaker
R16	Rear right treble loudspeaker
R22	Front right treble loudspeaker
R104	Front right mid-range loudspeaker
R159	Rear left mid-range and bass loudspeaker
R160	Rear right mid-range and bass loudspeaker
T8q	8-pin connector, brown, connector A, on radio
T20b	20-pin connector, black, right A-pillar
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar



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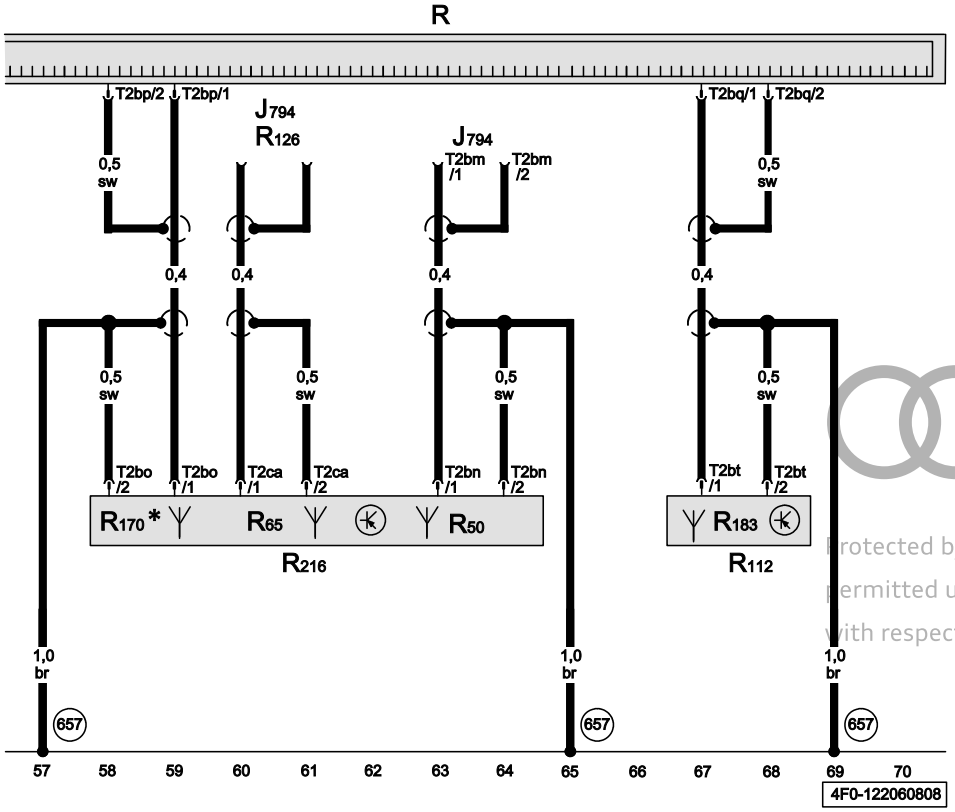
Radio, aerial amplifier, aerial amplifier 2, aerial, radio aerial 2

E415	Entry and start authorisation switch
R	Radio
R11	Aerial
R24	Aerial amplifier
R47	Central locking and anti-theft alarm system aerial
R78	TV tuner
R93	Radio aerial 2
R111	Aerial amplifier 2
T2br	2-pin connector, yellow, on aerial amplifier 2
T2bs	2-pin connector, white, on aerial amplifier
T2bu	2-pin connector, grey, on aerial amplifier 2
T4ap	4-pin connector, white, connector F, on radio
T12aa	12-pin connector, blue, connector B, on radio
T18c	18-pin connector, black, behind the glove box
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
*	on rear window upper right
**	on rear window upper left
#	⇒ applicable Current Flow Diagram: preparation for mobile telephone without hands-free system control unit (VDA interface)
##	for models with TV tuner only, ⇒ applicable Current Flow Diagram

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Radio, aerial amplifier 3, roof aerial

J794	Control unit for information electronics 1
R	Radio
R50	Navigation system aerial
R65	Telephone aerial
R112	Aerial amplifier 3
R126	Telephone bracket
R170	Satellite aerial
R183	Digital radio aerial
R216	roof aerial
T2bm	2-pin connector, blue, connector F, on control unit for information electronics 1
T2bn	2-pin connector, blue, on roof aerial
T2bo	2-pin connector, white, on roof aerial
T2bp	2-pin connector, green, connector G, on radio
T2bq	2-pin connector, black, connector G, on radio
T2bt	2-pin connector, black, on aerial amplifier 3
T2ca	2-pin connector, purple, on roof aerial
657	Earth point 1, on left near rear window
*	for models with US equipment only



ws = white
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MMI with radio and soundsystem Basic (8RX)

⇒ **for models with MMI generation 3 only (MOST)**

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

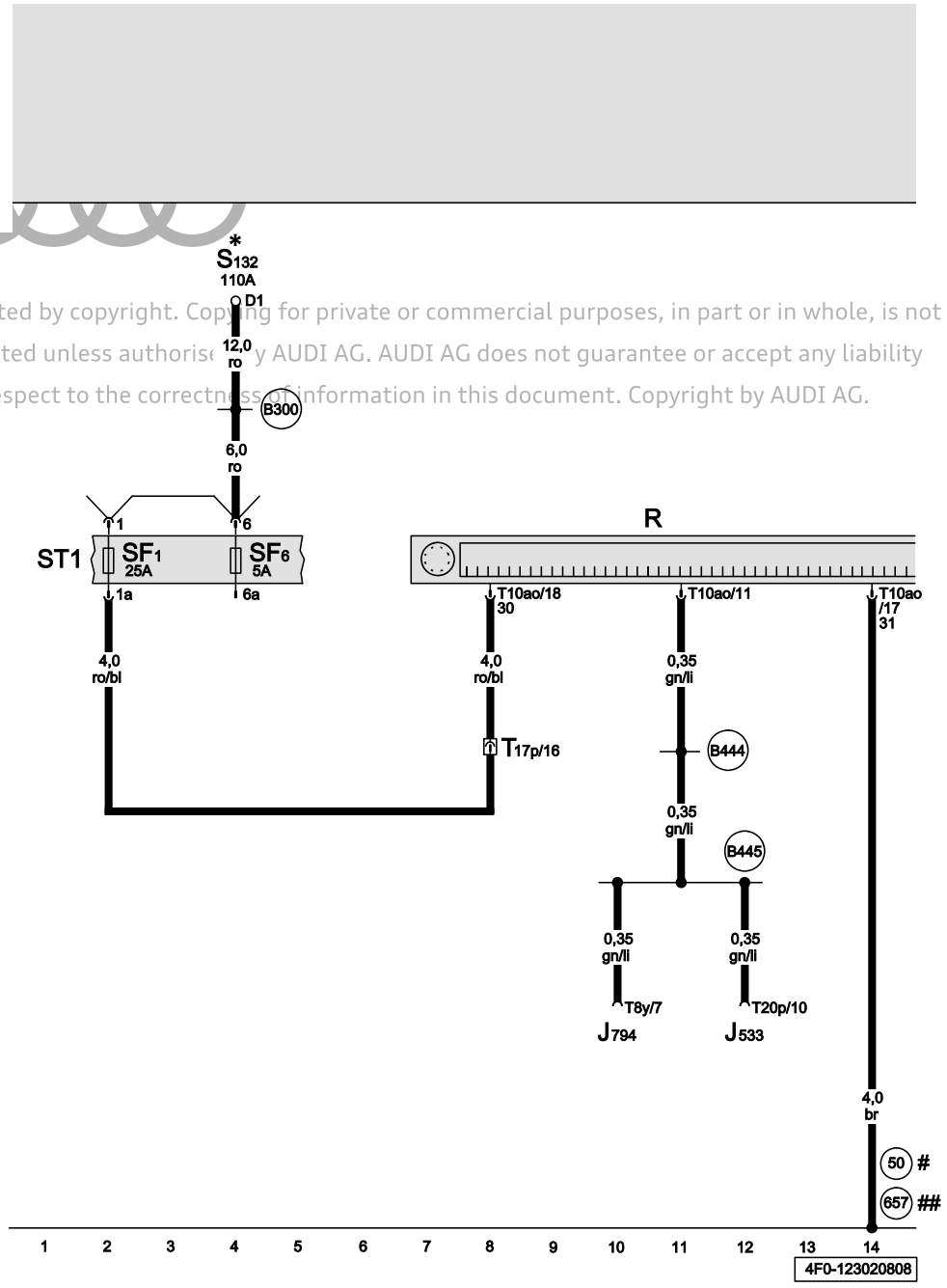
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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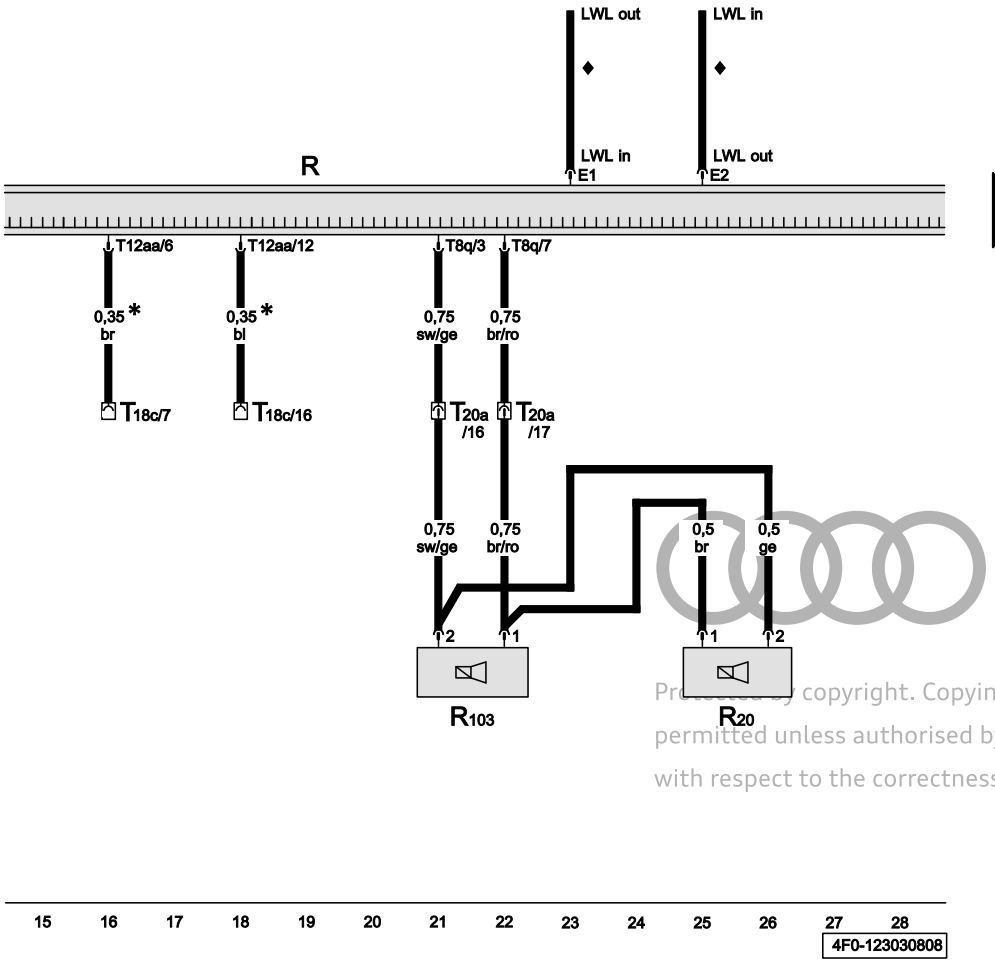
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li = purple
ge = yellow
or = orange
rs = pink

Radio, fuses

J533	Data bus diagnostic interface
J794	Control unit for information electronics 1
R	Radio
S132	Fuse 2
SF1	Fuse 1 on fuse holder F
SF6	Fuse 6 on fuse holder F
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T10ao	10-pin connector, black, connector D, on radio
T17p	17-pin connector, black, in left luggage compartment
T20p	20-pin connector, black, on data bus diagnostic interface
50	Earth point, on left in luggage compartment
657	Earth point 1, on left near rear window
B300	Positive connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	main fuse box, in luggage compartment, rear right, on the battery
#	saloon models
##	Avant

Radio, front left mid-range loudspeaker, front left treble loudspeaker

R	Radio
R20	Front left treble loudspeaker
R103	Front left mid-range loudspeaker
T8q	8-pin connector, brown, connector A, on radio
T12aa	12-pin connector, blue, connector B, on radio
T18c	18-pin connector, black, behind the glove box
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar
*	⇒ applicable Current Flow Diagram: preparation for mobile telephone without hands-free system control unit (VDA interface)
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

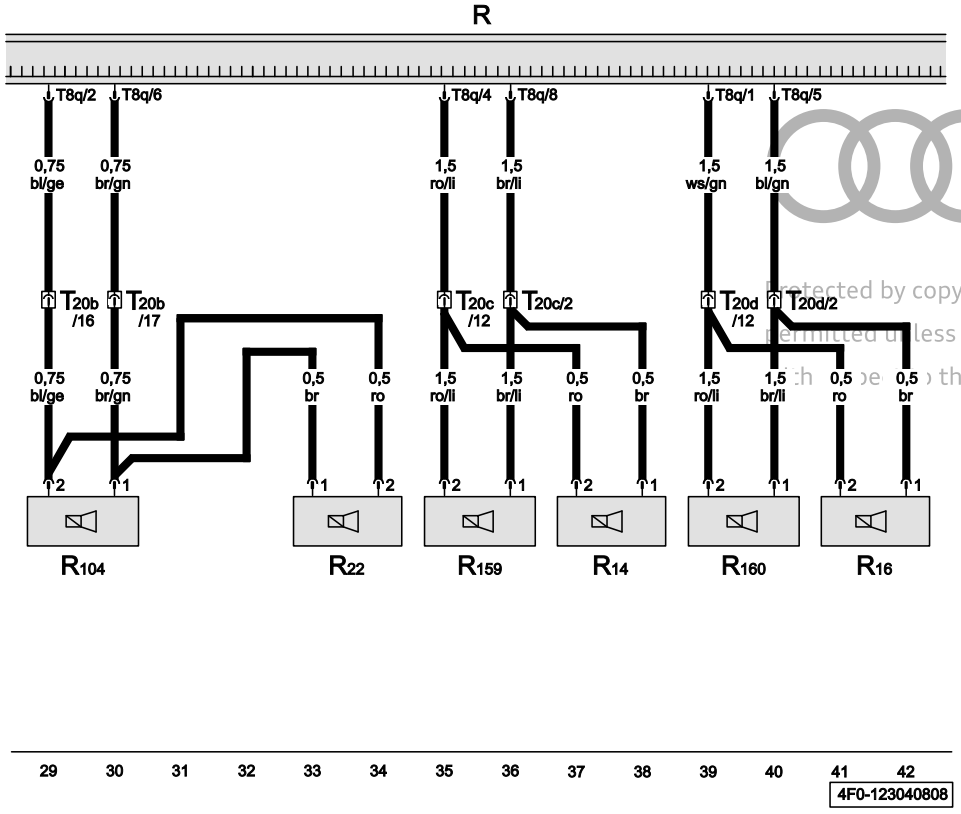


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or	=	orange
rs	=	pink

Radio, front right mid-range loudspeaker, rear left and right mid-range and bass loudspeaker, treble loudspeaker

R	Radio
R14	Rear left treble loudspeaker
R16	Rear right treble loudspeaker
R22	Front right treble loudspeaker
R104	Front right mid-range loudspeaker
R159	Rear left mid-range and bass loudspeaker
R160	Rear right mid-range and bass loudspeaker
T8q	8-pin connector, brown, connector A, on radio
T20b	20-pin connector, black, right A-pillar
T20c	20-pin connector, black, left B-pillar
T20d	20-pin connector, black, right B-pillar

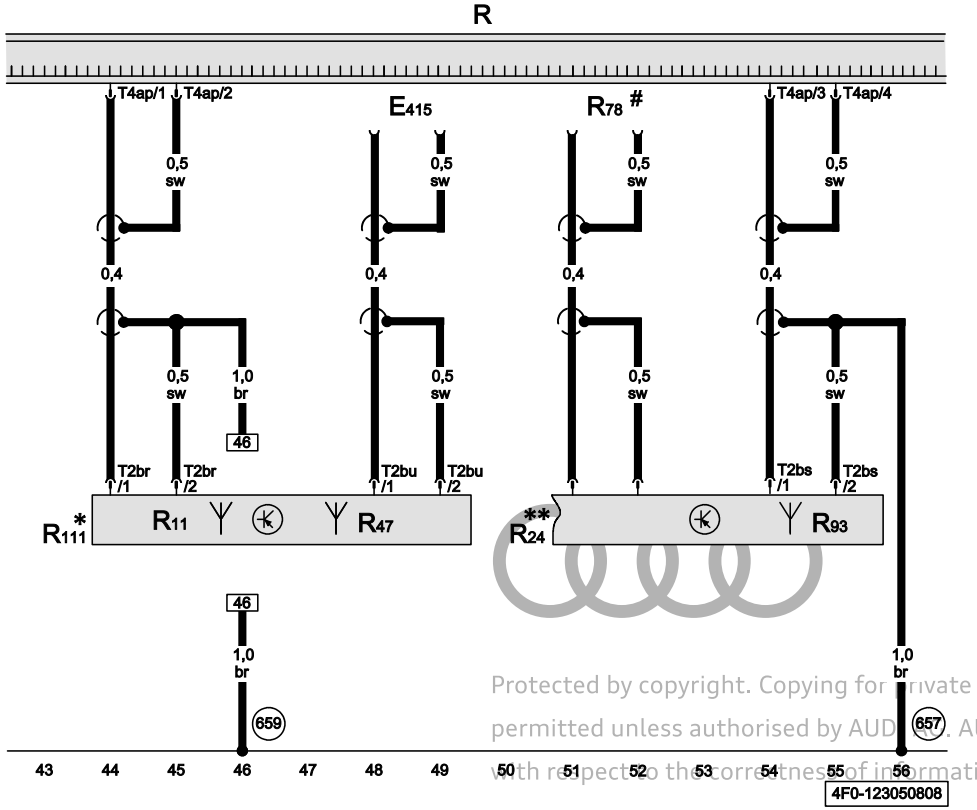


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or	=	orange
rs	=	pink

Radio, aerial amplifier, aerial amplifier 2, aerial, radio aerial 2

E415	Entry and start authorisation switch
R	Radio
R11	Aerial
R24	Aerial amplifier
R47	Central locking and anti-theft alarm system aerial
R78	TV tuner
R93	Radio aerial 2
R111	Aerial amplifier 2
T2br	2-pin connector, yellow, on aerial amplifier 2
T2bs	2-pin connector, white, on aerial amplifier
T2bu	2-pin connector, grey, on aerial amplifier 2
T4ap	4-pin connector, white, connector F, on radio
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
*	on rear window upper right
**	on rear window upper left
#	for models with TV tuner only, ⇒ applicable Current Flow Diagram

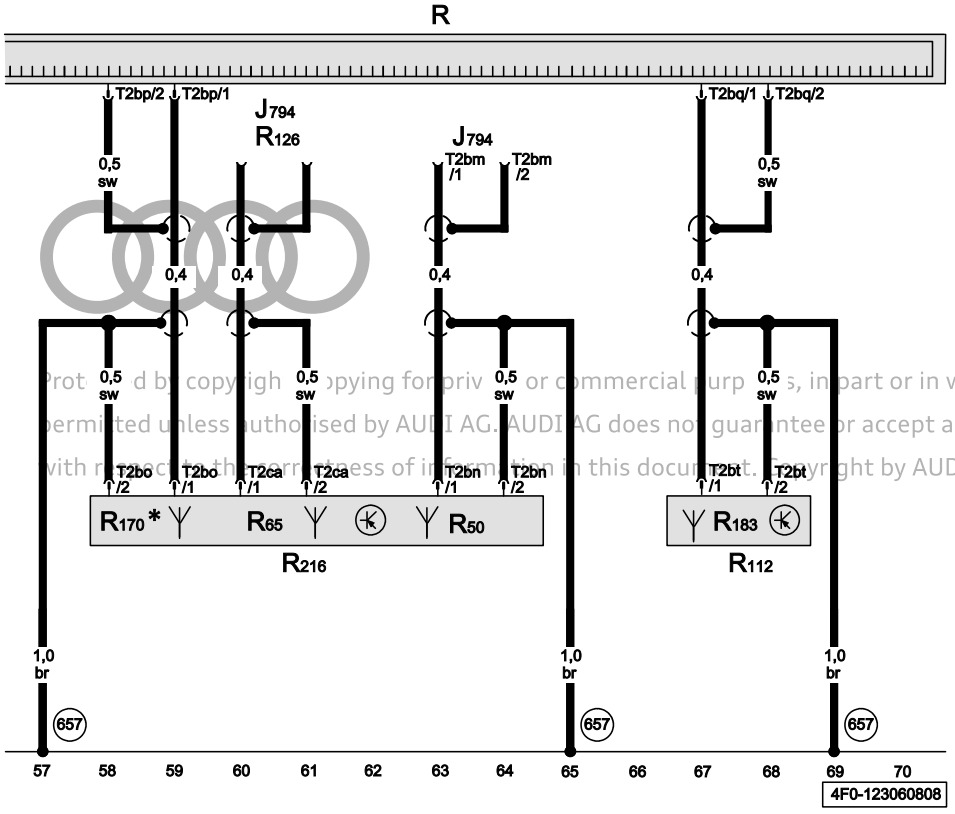


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Radio, aerial amplifier 3, roof aerial

J794	Control unit for information electronics 1
R	Radio
R50	Navigation system aerial
R65	Telephone aerial
R112	Aerial amplifier 3
R126	Telephone bracket
R170	Satellite aerial
R183	Digital radio aerial
R216	roof aerial
T2bm	2-pin connector, blue, connector F, on control unit for information electronics 1
T2bn	2-pin connector, blue, on roof aerial
T2bo	2-pin connector, white, on roof aerial
T2bp	2-pin connector, green, connector G, on radio
T2bq	2-pin connector, black, connector G, on radio
T2bt	2-pin connector, black, on aerial amplifier 3
T2ca	2-pin connector, purple, on roof aerial
657	Earth point 1, on left near rear window
*	for models with US equipment only



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MMI (information electronics I) with integrated Bluetooth car phone (9ZW)

⇒ **for models with MMI generation 3 only (MOST)**

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

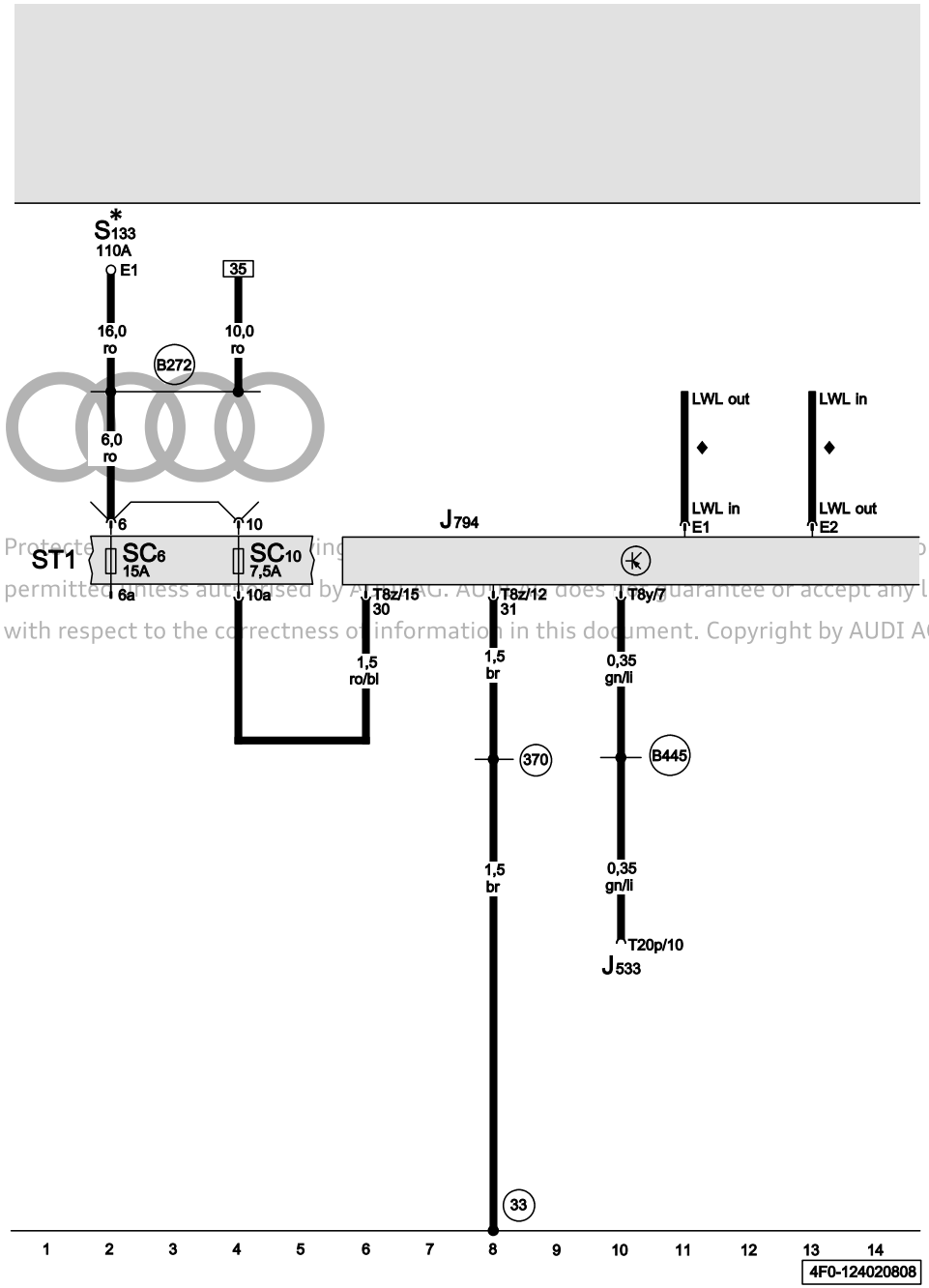
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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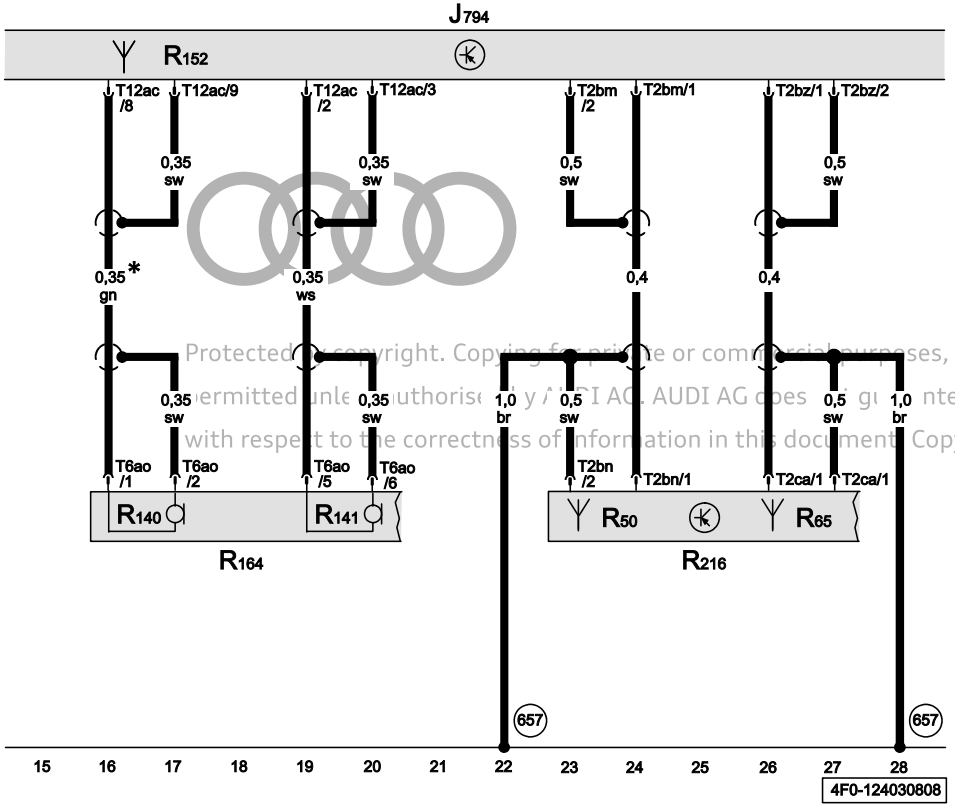
Control unit for information electronics 1, voltage supply

J533	Data bus diagnostic interface
J794	Control unit for information electronics 1
S133	Fuse 3
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T20p	20-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
rs	=	pink

Control unit 1 for information electronics, microphone unit in front roof module, roof aerial, aerial for Bluetooth

J794	Control unit for information electronics 1
R50	GPS aerial
R65	Telephone aerial
R140	Left front microphone
R141	Right front microphone
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
R216	Roof aerial
T2bm	2-pin connector, blue, connector F, on control unit for information electronics 1
T2bn	2-pin connector, blue, on roof aerial
T2bz	2-pin connector, purple, on control unit for information electronics 1
T2ca	2-pin connector, purple, on roof aerial
T6ao	6-pin connector, blue, microphone connection roof module
T12ac	12-pin connector, blue, connector B, on control unit 1 for information electronics
657	Earth point 1, on left near rear window
*	Models with voice control



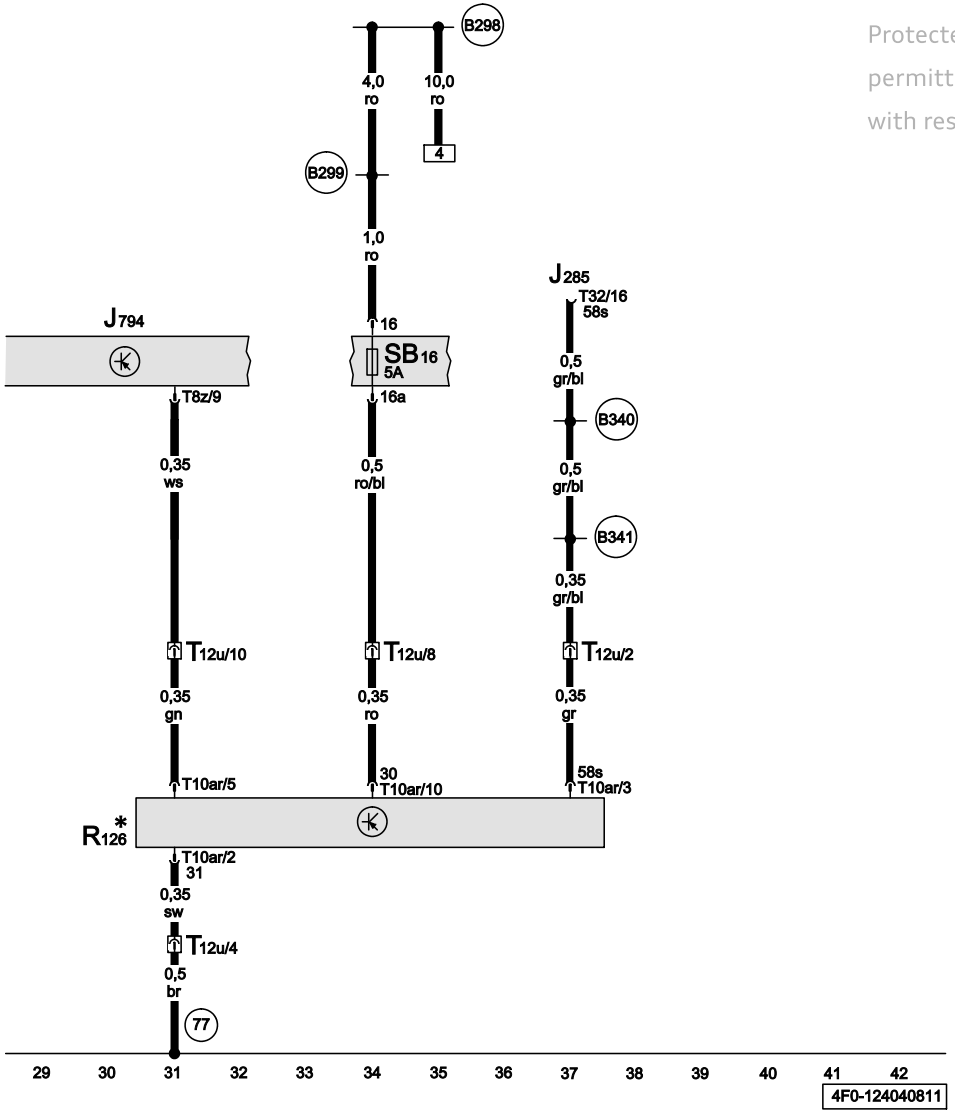
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Control unit 1 for information electronics, telephone brackets

J285	Control unit in dash panel insert
J794	Control unit for information electronics 1
R126	Telephone bracket
SB16	Fuses 16 on fuse holder B
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T10ar	10-pin connector, on telephone bracket
T12u	12-pin connector, black, in centre console
T32	32-pin connector, grey, on dash panel insert
77	Earth point, lower part of left B-pillar
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	models without handset in centre armrest

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MMI (information electronics I) with integrated preparation for mobile telephone and hands-free system (9ZF)

⇒ **for models with MMI generation 3 only (MOST)**

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

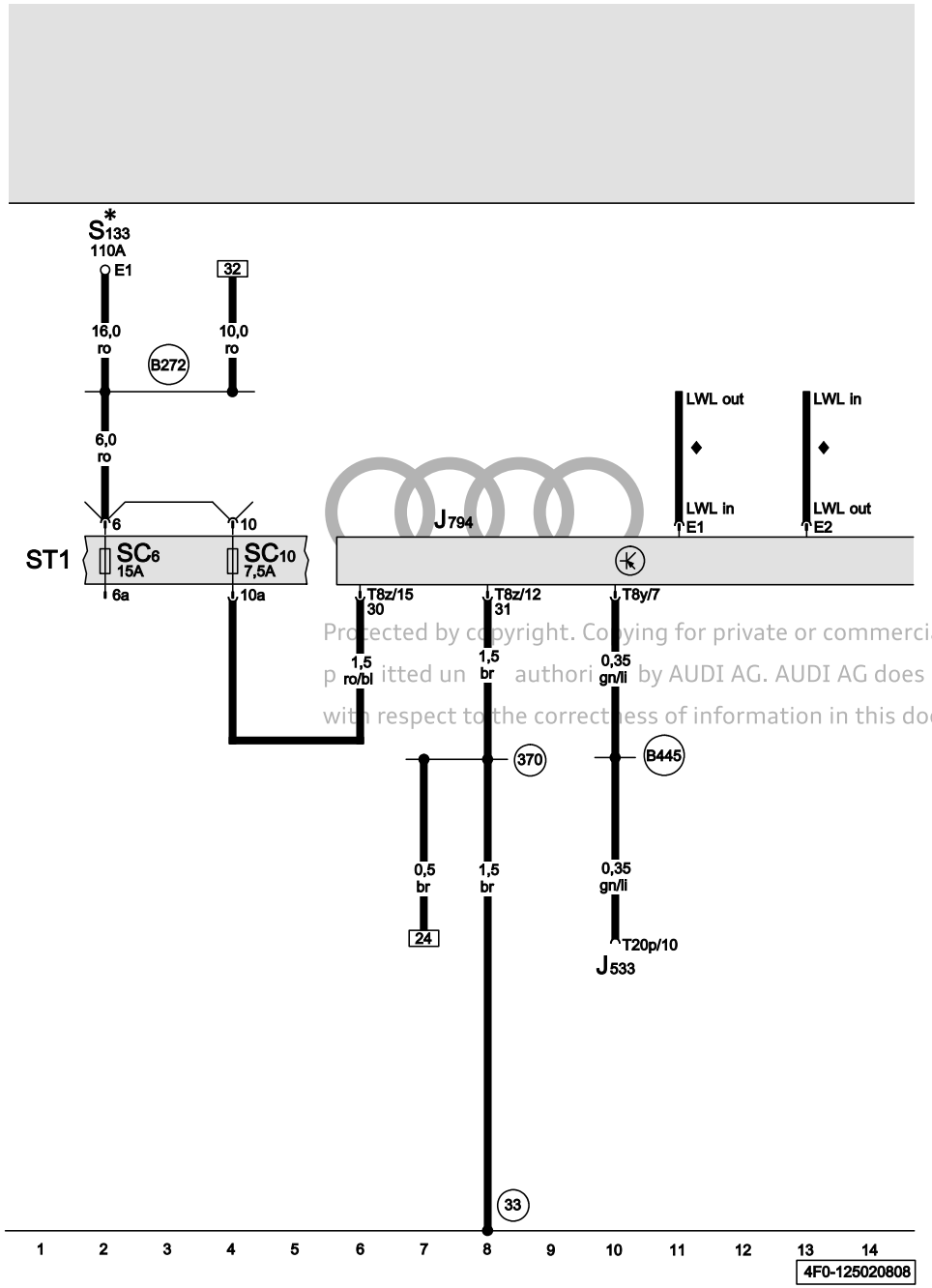
⇒ guided fault finding



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Control unit for information electronics 1, voltage supply

J533	Data bus diagnostic interface
J794	Control unit for information electronics 1
S133	Fuse 3
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T20p	20-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



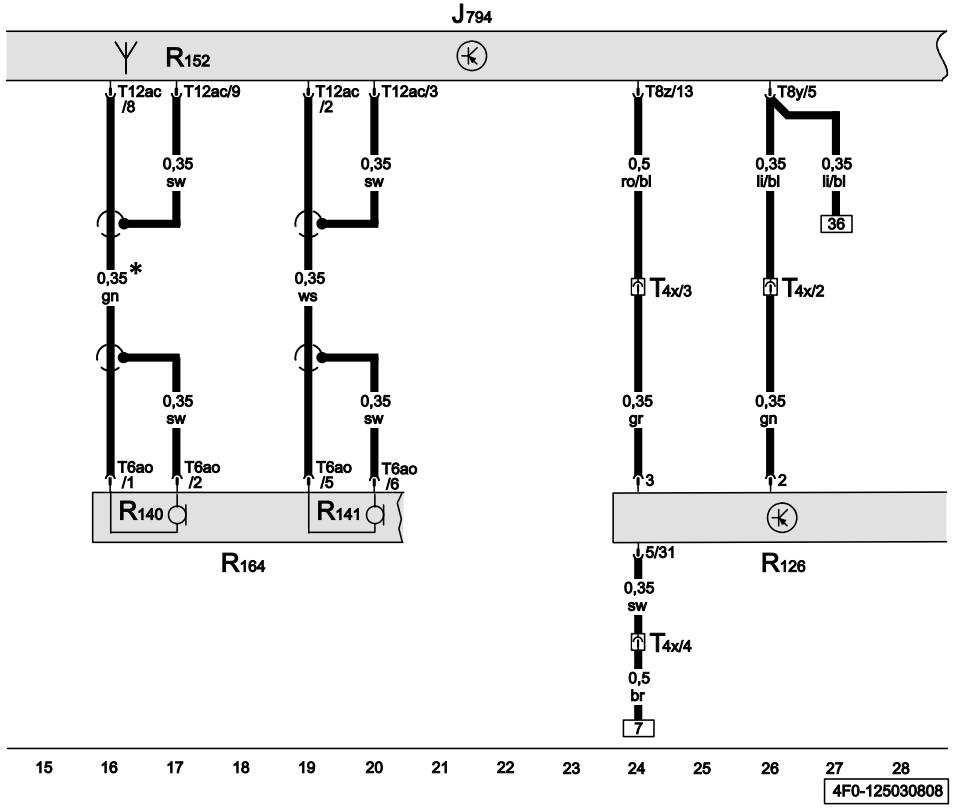
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Control unit 1 for information electronics, telephone bracket, microphone unit in front roof module, aerial for Bluetooth

J794	Control unit for information electronics 1
R126	Telephone bracket
R140	Front left microphone
R141	Front right microphone
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T4x	4-pin connector, brown, in centre console, for telephone bracket
T6ao	6-pin connector, blue, microphone connection roof module
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T12ac	12-pin connector, blue, connector B, on control unit 1 for information electronics
*	models with voice control

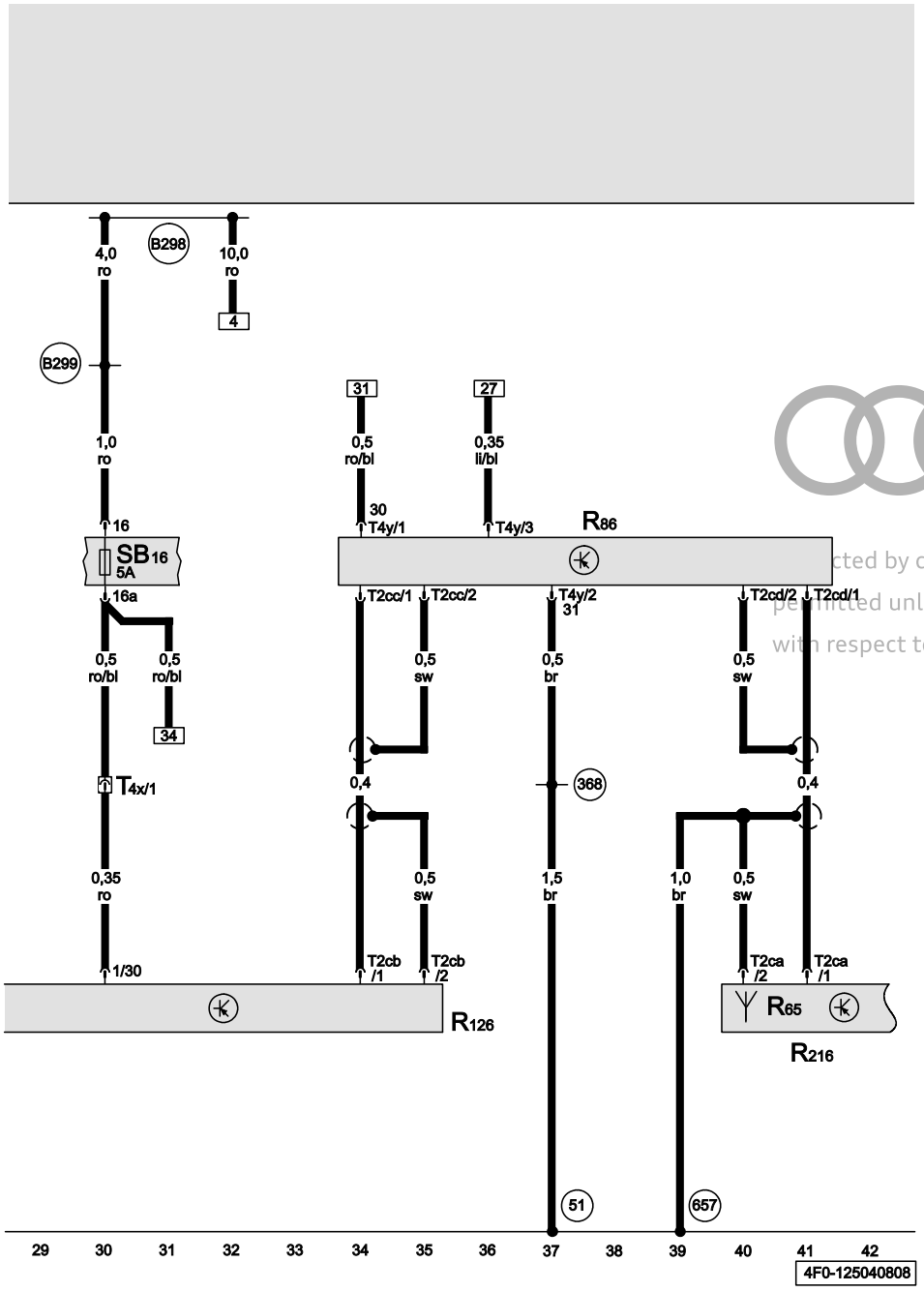
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Telephone brackets, aerial amplifier for mobile telephone

R65	Telephone aerial
R86	Aerial amplifier for mobile telephone
R126	Telephone bracket
R216	roof aerial
SB16	Fuse 16 on fuse holder B
T2ca	2-pin connector, purple, on roof aerial
T2cb	2-pin connector, purple, on roof aerial
T2cc	2-pin connector, black, on aerial amplifier for mobile telephone
T2cd	2-pin connector, purple, on aerial amplifier for mobile telephone
T4x	4-pin connector, brown, in centre console, for telephone bracket
T4y	4-pin connector, black, on aerial amplifier for mobile telephone
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
657	Earth point 1, on left near rear window
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness



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MMI (information electronics I) with integrated preparation for mobile telephone and hands-free system (9ZG)

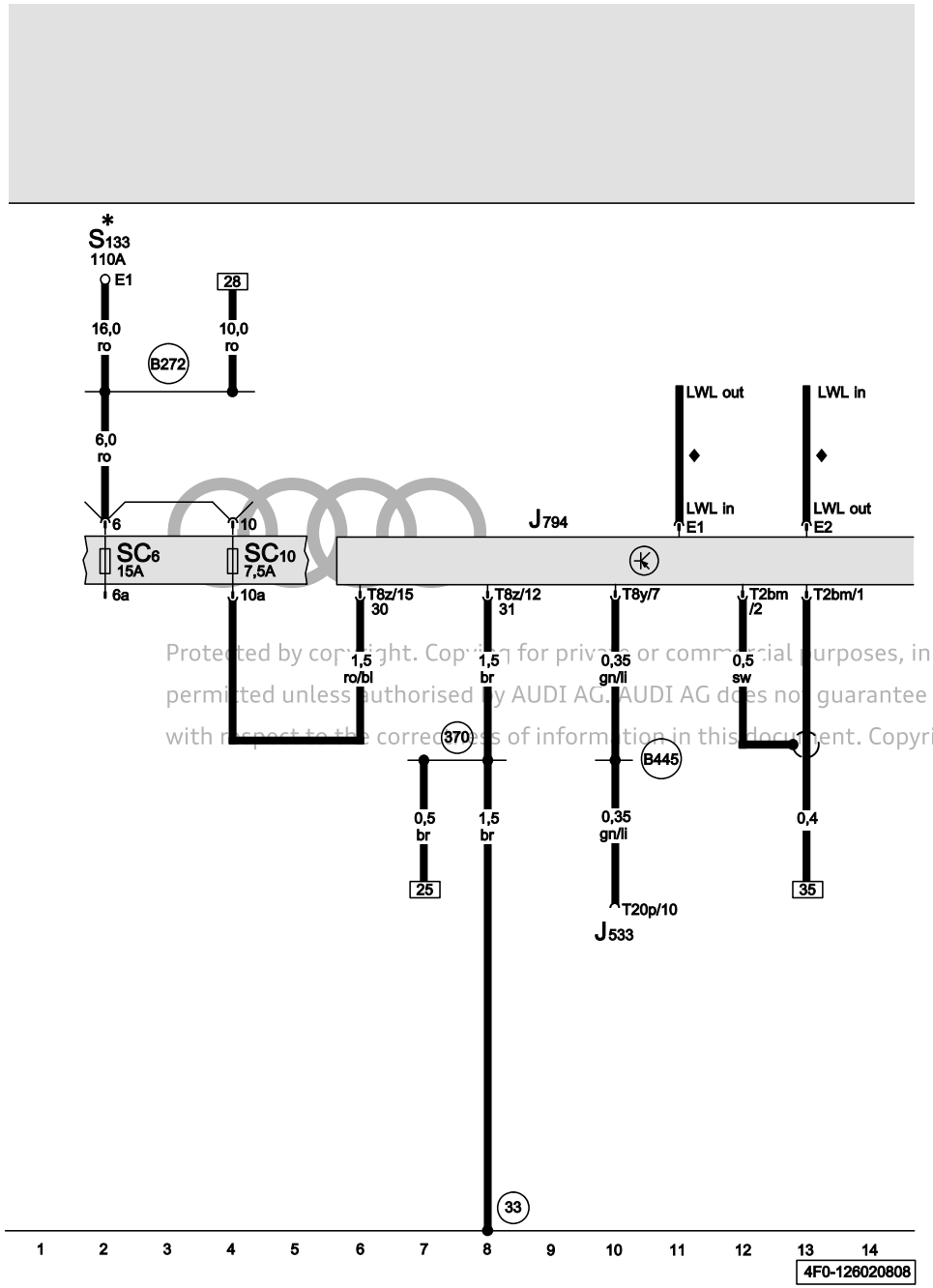
⇒ **for models with US equipment only**
⇒ **for models with MMI generation 3 only (MOST)**
from September 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

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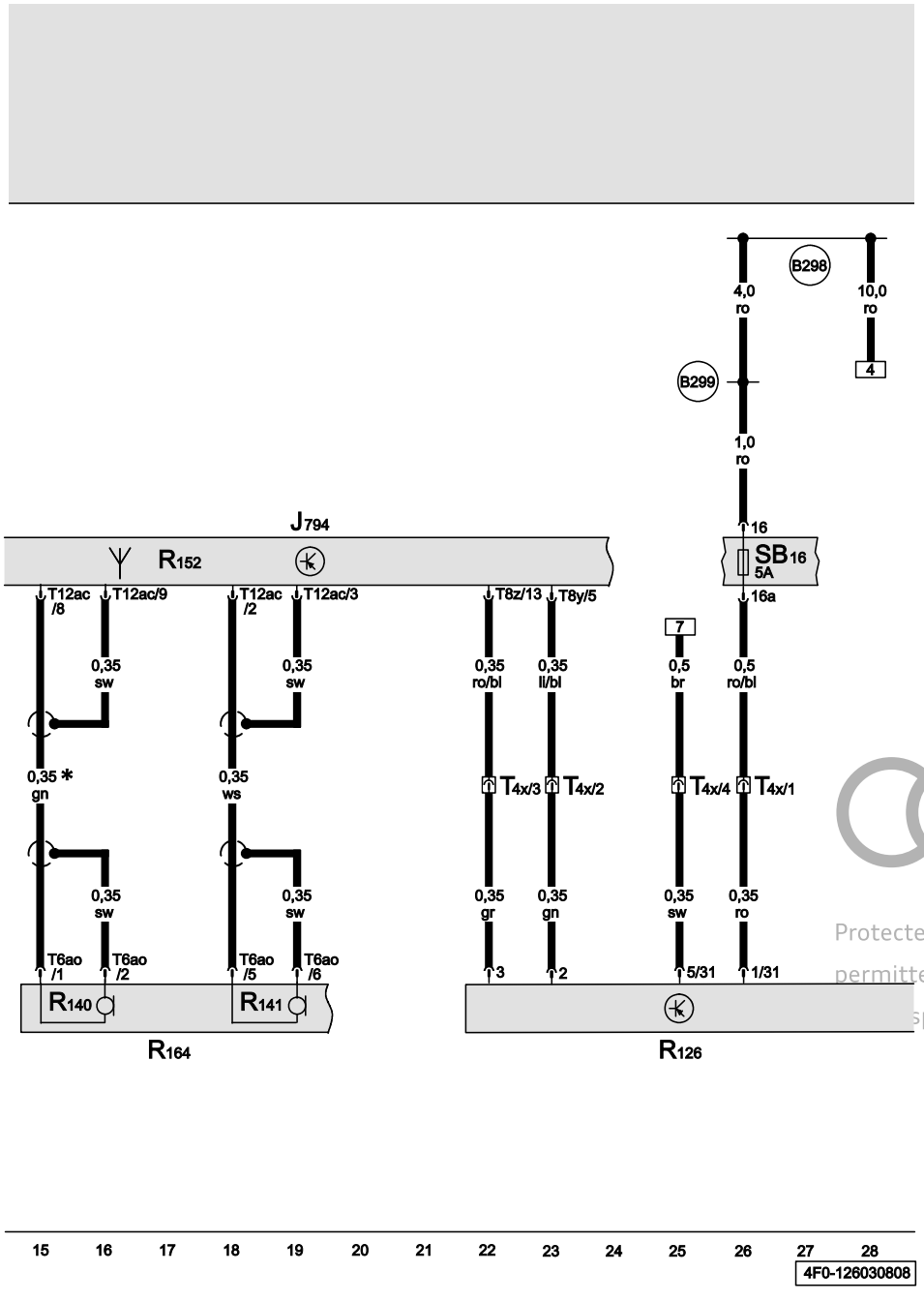


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Control unit for information electronics 1, voltage supply

J533	Data bus diagnostic interface
J794	Control unit for information electronics 1
S133	Fuse 3
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
T2bm	2-pin connector, blue, connector F, on control unit for information electronics 1
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T20p	20-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Control unit 1 for information electronics, telephone bracket, microphone unit in front roof module, aerial for Bluetooth

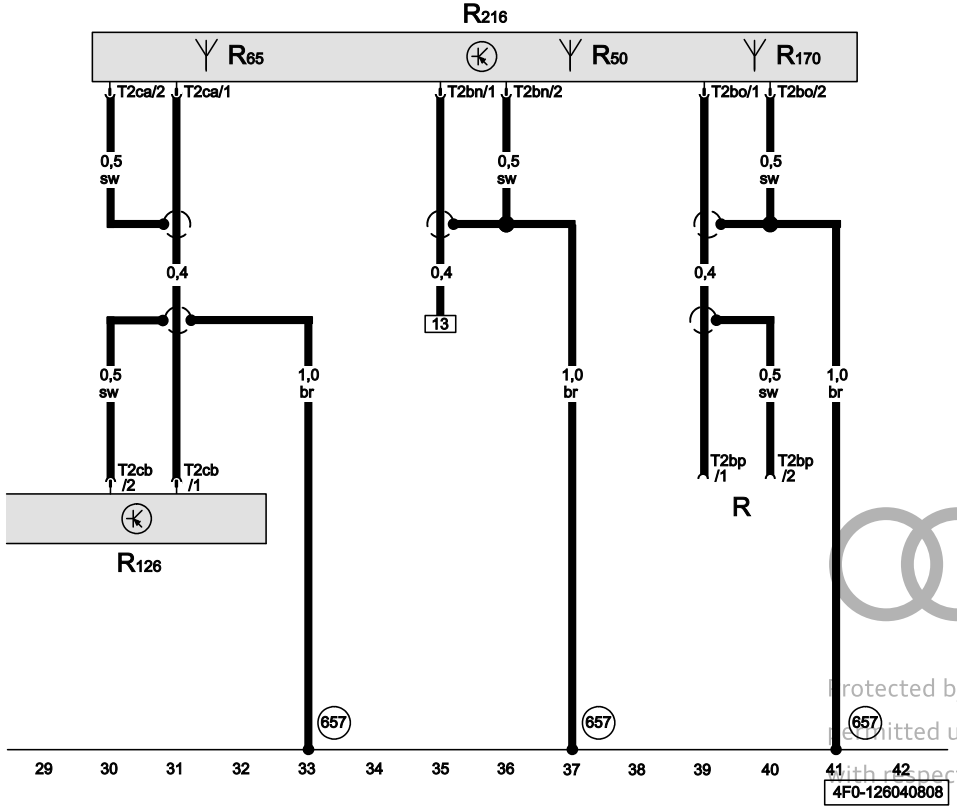
J794	Control unit for information electronics 1
R126	Telephone bracket
R140	Front left microphone
R141	Front right microphone
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
SB16	Fuse 16 on fuse holder B
T4x	4-pin connector, brown, on telephone bracket
T6ao	6-pin connector, blue, microphone connection roof module
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T12ac	12-pin connector, blue, connector B, on control unit 1 for information electronics
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	models with voice control

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Telephone bracket, roof aerial, telephone aerial, navigation system aerial, satellite aerial

R	Radio
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
R170	Satellite aerial
R216	roof aerial
T2bn	2-pin connector, blue, on roof aerial
T2bo	2-pin connector, white, on roof aerial
T2bp	2-pin connector, green, connector G, on radio
T2ca	2-pin connector, purple, on roof aerial
T2cb	2-pin connector, purple, on roof aerial
657	Earth point 1, on left near rear window



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Convenience system

⇒ Aambient lighting
⇒ Electrically adjustable and heated exterior mirrors
⇒ Door opener illumination
⇒ Anti-theft alarm system
⇒ Entry lights
⇒ Electrical rear roller blind
⇒ Window regulator
⇒ Luggage compartment light
⇒ Door warning lamps
⇒ Power latching system
⇒ Central locking

from September 2008

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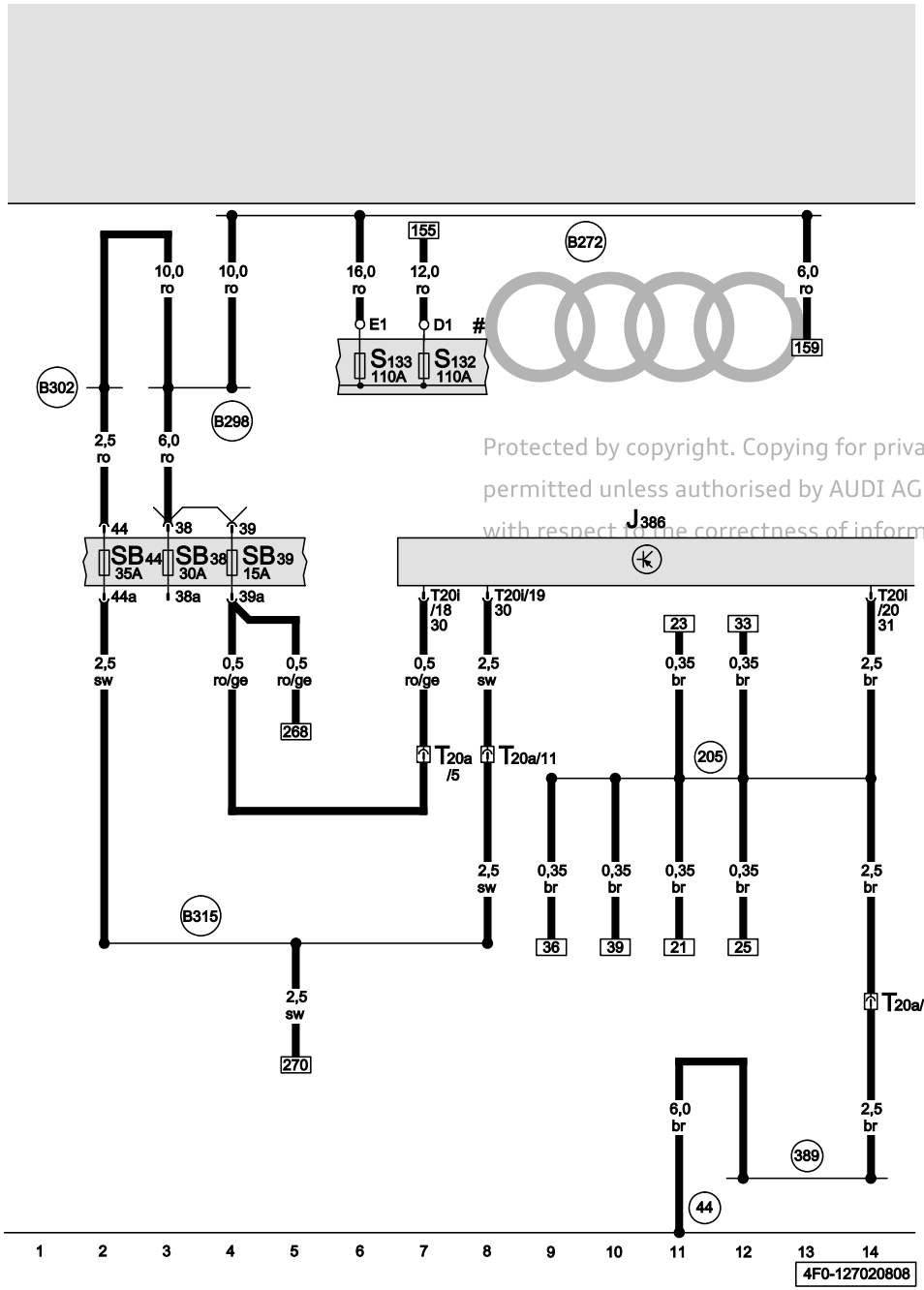
Notes:

For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

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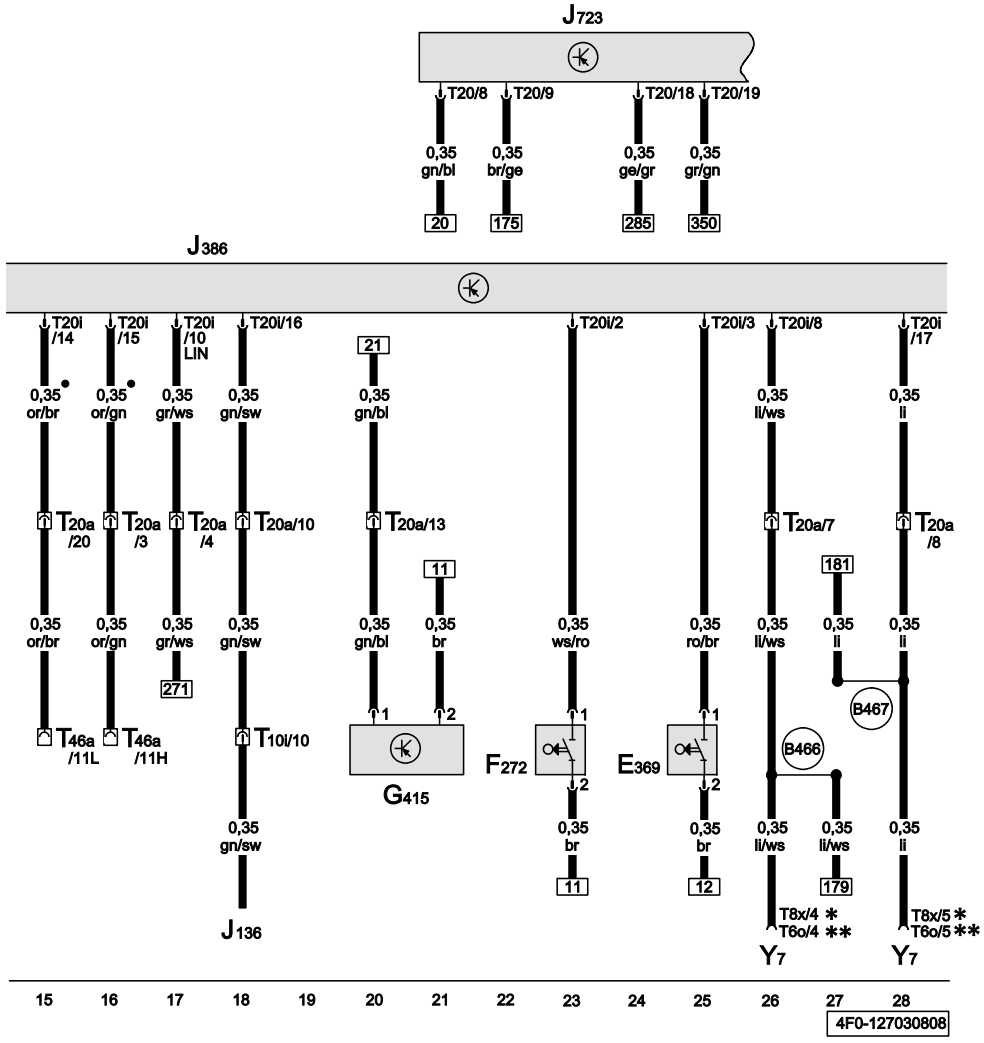
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Driver door control unit, fuses

J386	Driver door control unit
S132	Fuse 2
S133	Fuse 3
SB38	Fuse 38 on fuse holder B
SB39	Fuse 39 on fuse holder B
SB44	Fuse 44 on fuse holder B
T20a	20-pin connector, left A-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
44	Earth point, lower part of left A-pillar
205	Earth connection, in driver door wiring harness
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
#	main fuse box, in luggage compartment, rear right, on the battery

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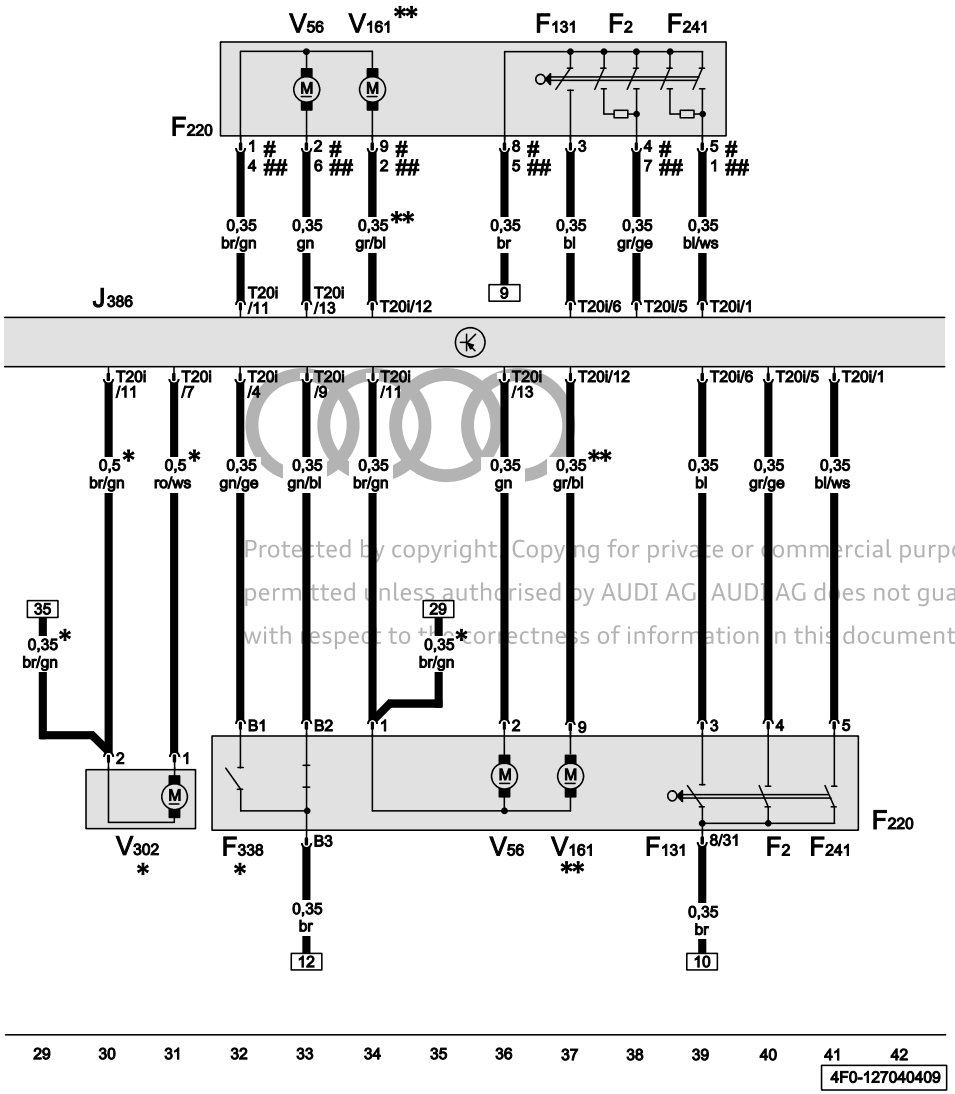
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Driver door control unit, driver door exterior handle central locking button, driver door exterior handle switch, driver door exterior handle touch sensor

E369	Driver side door exterior handle central locking button
F272	Driver door exterior handle switch
G415	Driver door exterior handle touch sensor
J136	Seat and steering column adjustment control unit with memory function
J386	Driver door control unit
J723	Aerial reader unit for keyless entry system
T6o	6-pin connector, black, connector B, on roof console
T8x	8-pin connector, black, connector B, on front roof console
T10i	10-pin connector, red, on left of seat cross member
T20	20-pin connector, red, on aerial reader unit for keyless entry system
T20a	20-pin connector, black, left A-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
T46a	46-pin connector, CAN disconnector left
Y7	Automatic anti-dazzle interior mirror
B466	Connection 2 in main wiring harness
B467	Connection 3 in main wiring harness
•	CAN bus (data wire)
*	models with main beam assistant
**	models without main beam assistant

Driver door control unit, driver side central locking lock unit, driver door contact switch, driver door central locking motor, driver door power latching motor

F2	Driver door contact switch
F131	Front left central locking actuator
F220	Driver side central locking lock unit
F241	Driver side contact switch in lock cylinder
F338	Driver door power latching system contact switch
J386	Driver door control unit
T20i	20-pin connector, black, connector B, on driver door control unit
V56	Driver door central locking motor
V161	Driver door central locking deadlock function motor
V302	Driver door power latching motor
*	models with power latching system
**	not USA
#	up to October 2009
##	from November 2009



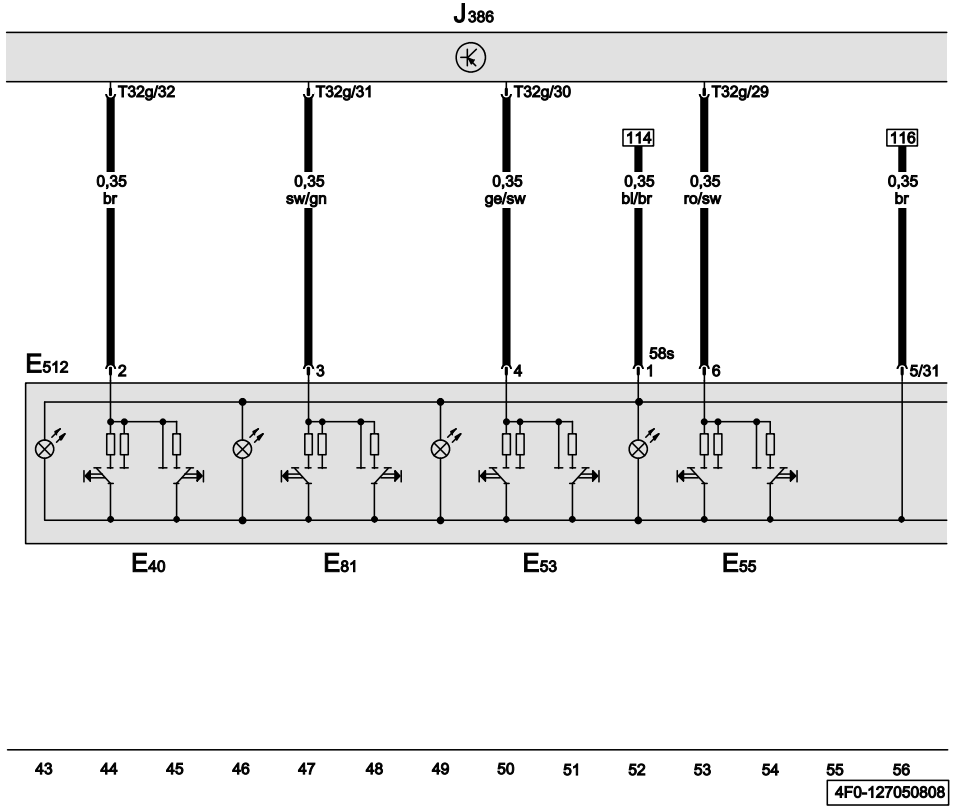
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Driver door control unit, front left and right window regulator switch in driver door, rear left and right window regulator switch, in driver door

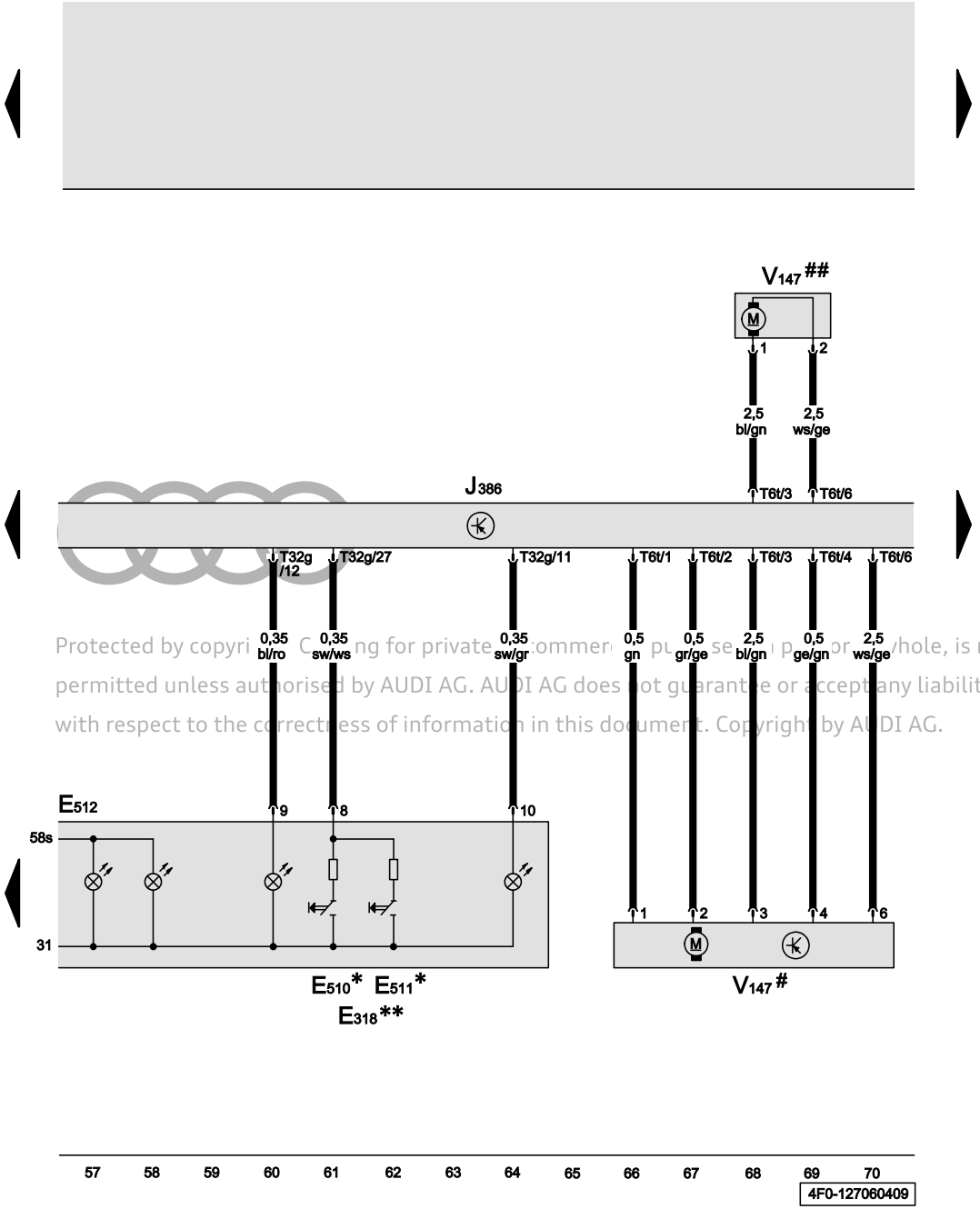
E40	Front left window regulator switch
E53	Rear left window regulator switch, in driver door
E55	Rear right window regulator switch, in driver door
E81	Front right window regulator switch in driver door
E512	Operating unit for window regulator in driver door
J386	Driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit



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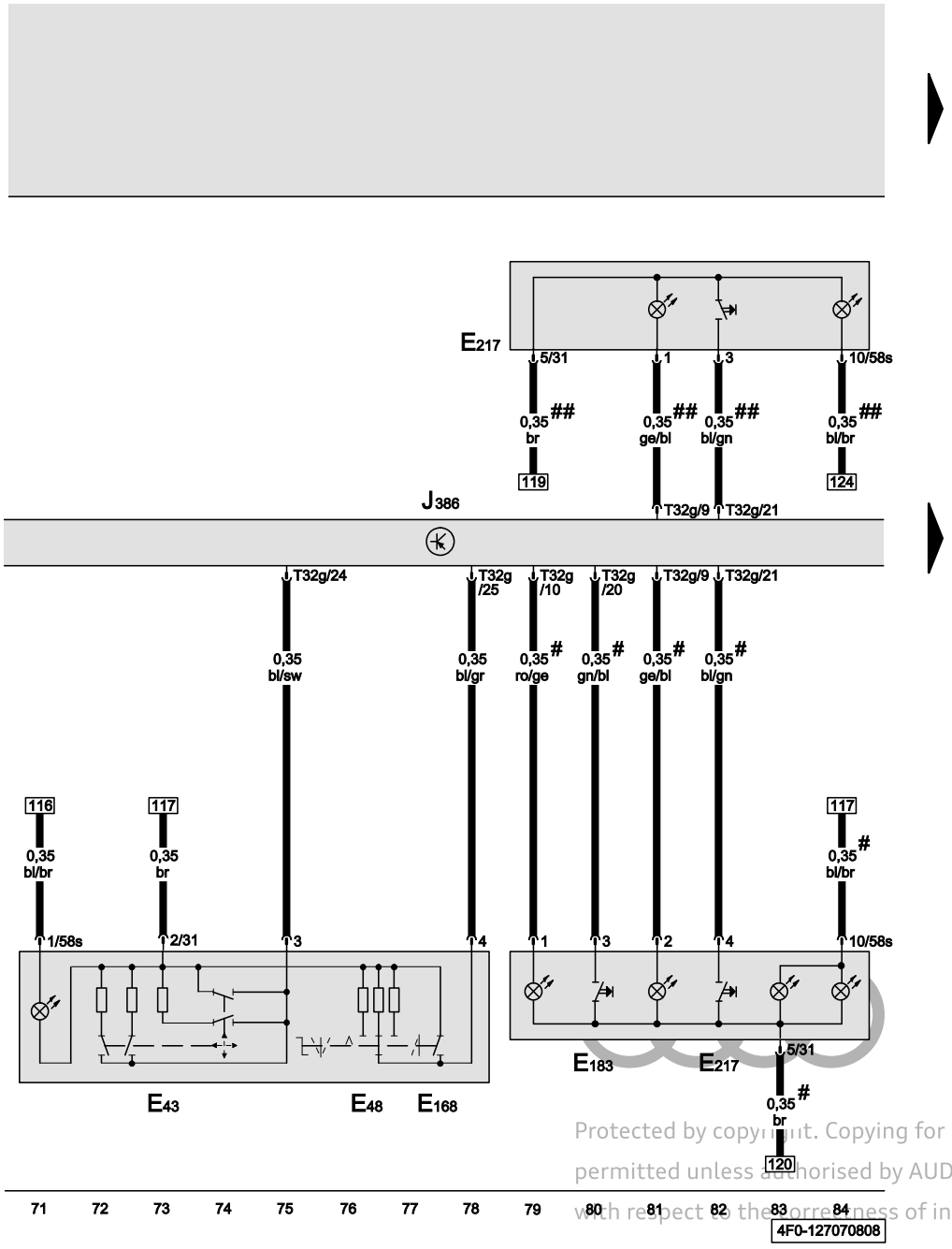
Driver door control unit, driver side window regulator motor, button for left and right childproof lock

E318	Childproof lock button
E510	Button for left childproof lock
E511	Button for right childproof lock
E512	Operating unit for window regulator in driver door
J386	Driver door control unit
T6t	6-pin connector, black, connector A, on driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit
V147	Driver side window regulator motor
*	models with electric childproof lock
**	models without electric childproof lock
#	up to May 2009
##	from June 2009



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Driver door control unit, mirror adjustment switch, mirror adjustment change-over switch, adjustment switch for mirror with fold-in feature, interior monitoring deactivation switch, alarm system off switch

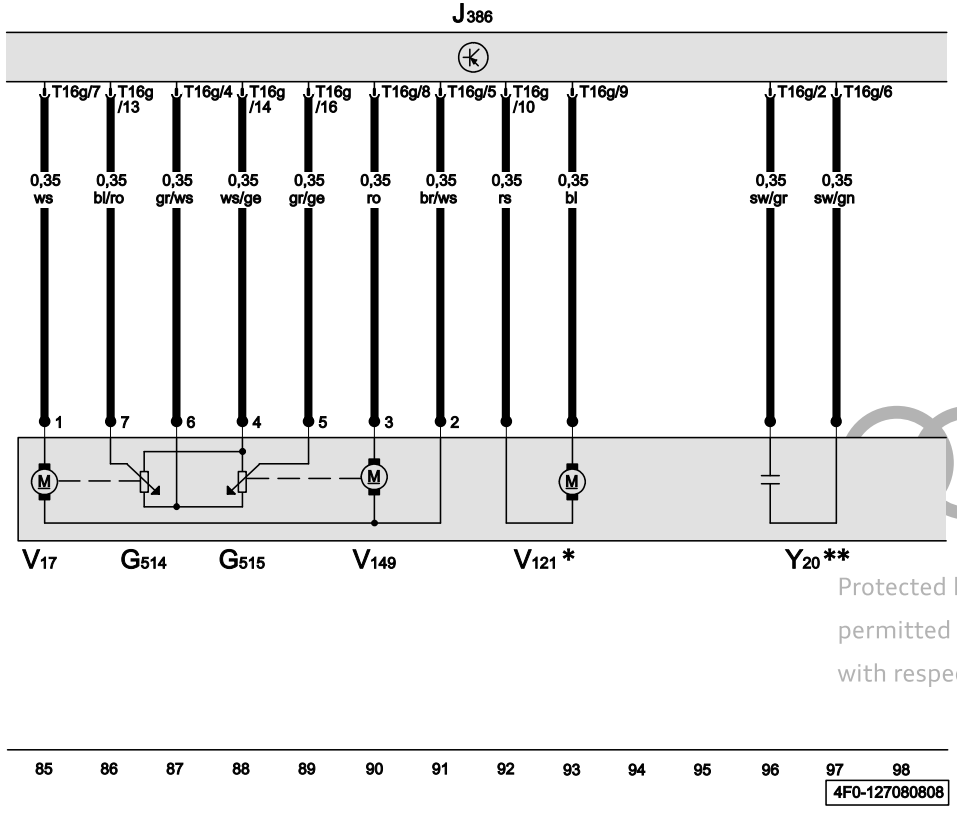
E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E168	Adjustment switch for mirror with fold-in feature
E183	Interior monitoring deactivation switch
E217	Alarm system off switch
J386	Driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit
#	not USA
##	only USA

ws	=	white
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Driver door control unit, driver side mirror adjustment motor, driver side fold-in mirror motor, driver side automatic anti-dazzle 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
T16g	16-pin connector, black, connector C, on driver door control unit
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Y20	Driver side automatic anti-dazzle exterior mirror
*	mirror with fold-in feature
**	models with automatic anti-dazzle exterior mirror

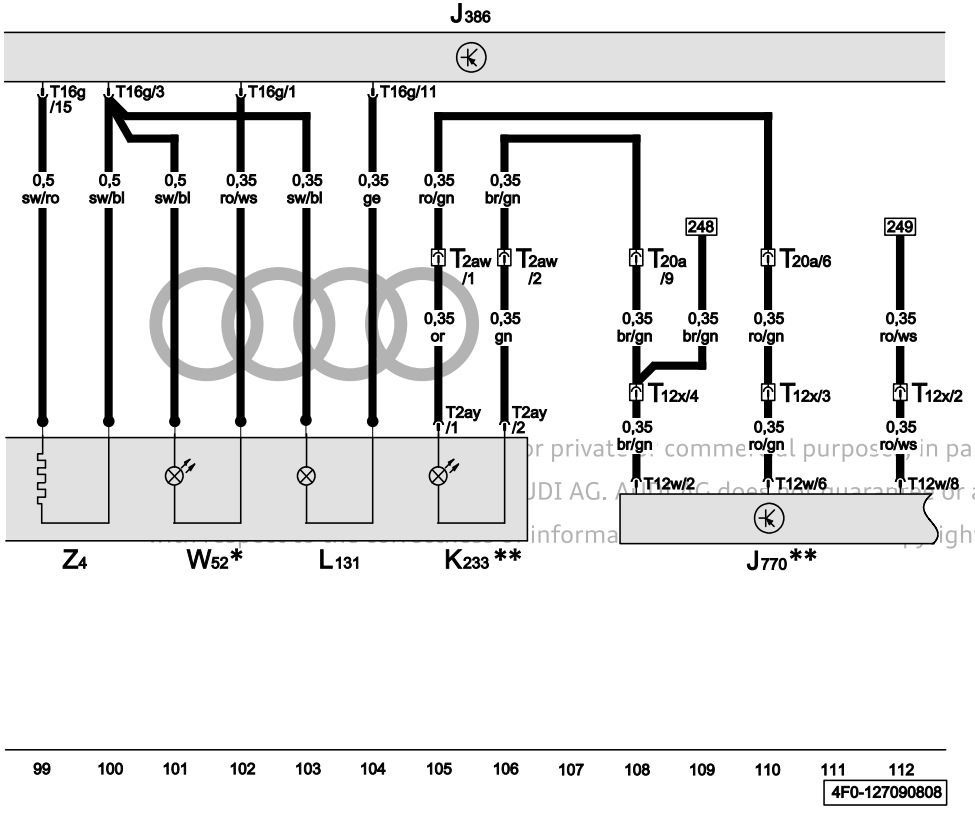


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Driver door control unit, lane change assist warning lamp in driver side exterior mirror, driver side exterior mirror turn signal bulb, driver side entry light in exterior mirror, driver side heated exterior mirror

J386	Driver door control unit
J770	Lane change assist control unit 2
K233	Lane change assist warning lamp in driver side exterior mirror
L131	Driver side exterior mirror turn signal bulb
T2aw	2-pin connector, black, in driver door
T2ay	2 pin connector, lane change assist in exterior mirror
T12w	12-pin connector, black, on lane change assist control unit 2
T12x	12-pin connector, black, on right in luggage compartment
T16g	16-pin connector, black, connector C, on driver door control unit
T20a	20-pin connector, black, left A-pillar
W52	Driver side entry light in exterior mirror
Z4	Driver side heated exterior mirror
*	models with entry light in exterior mirror
**	models with lane change assist

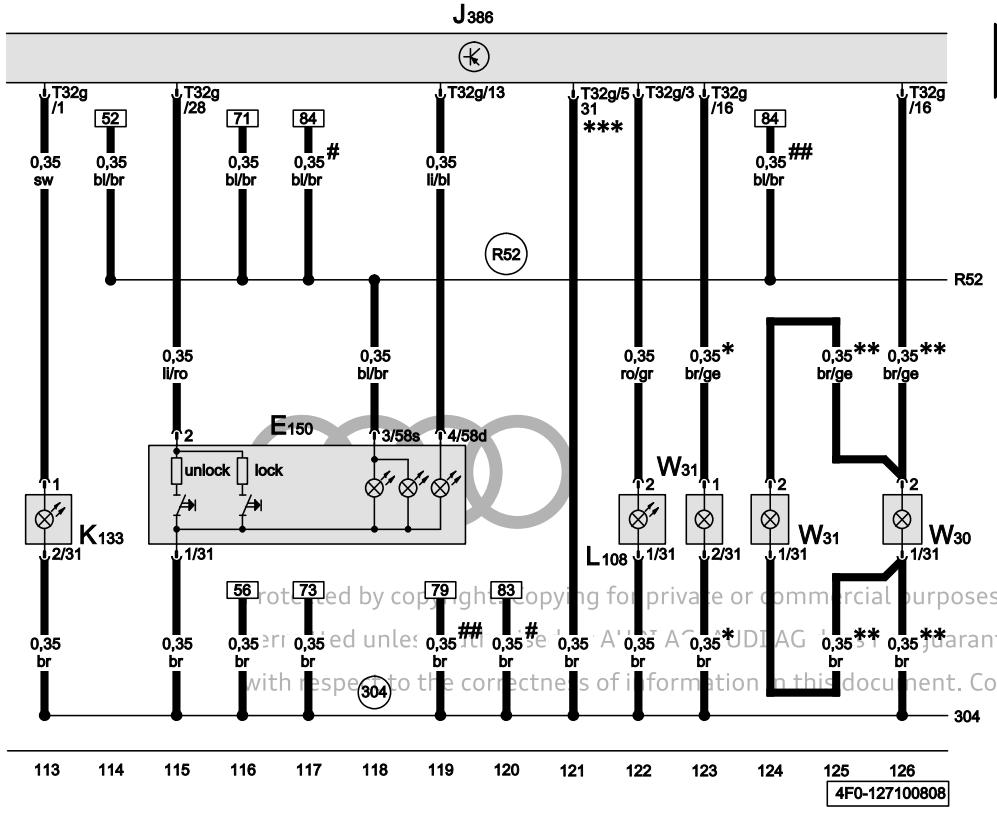


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Driver door control unit, driver side interior locking switch, driver door control unit, front left entry light, central locking deadlock function warning lamp

E150	Driver side interior locking switch
J386	Driver door control unit
K133	Central locking deadlock function warning lamp -SAFE-
L108	Driver door opener illumination bulb
T32g	32-pin connector, white, connector D, on driver door control unit
W30	Driver side door warning lamp
W31	Front left entry light
304	Earth connection 3, in driver door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	models without auxiliary inner lights
**	models with auxiliary inner lights
***	switch earth output
#	not USA
##	only USA

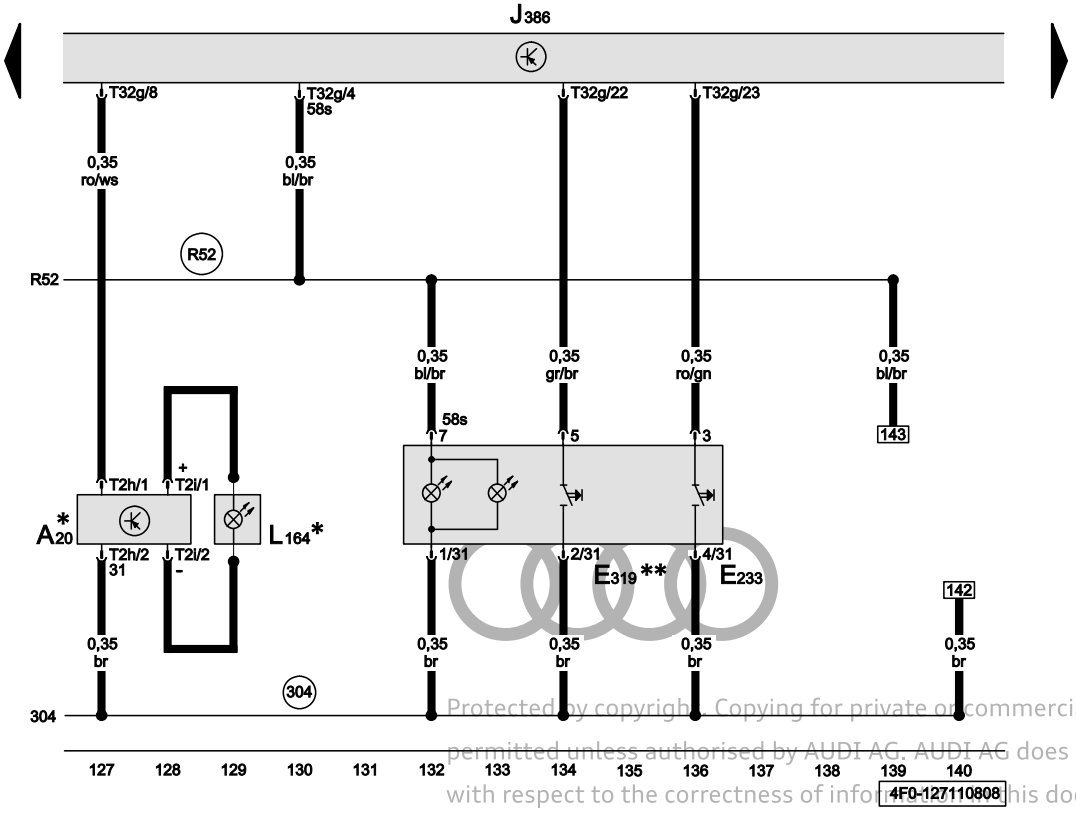


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Driver door control unit, driver door ambient lighting bulb, fuel tank flap release button, rear lid remote release button

A20	Driver door ambient lighting voltage converter
E233	Rear lid remote release button
E319	Fuel tank flap release button
J386	Driver door control unit
L164	Driver door ambient lighting bulb
T2h	2-pin connector, on ambient lighting voltage converter
T2i	2-pin connector, on ambient lighting voltage converter
T32g	32-pin connector, white, connector D, on driver door control unit
304	Earth connection 3, in driver door wiring harness
R52	Connection (58s), in driver side door wiring harness
*	models with auxiliary inner lights
**	only USA



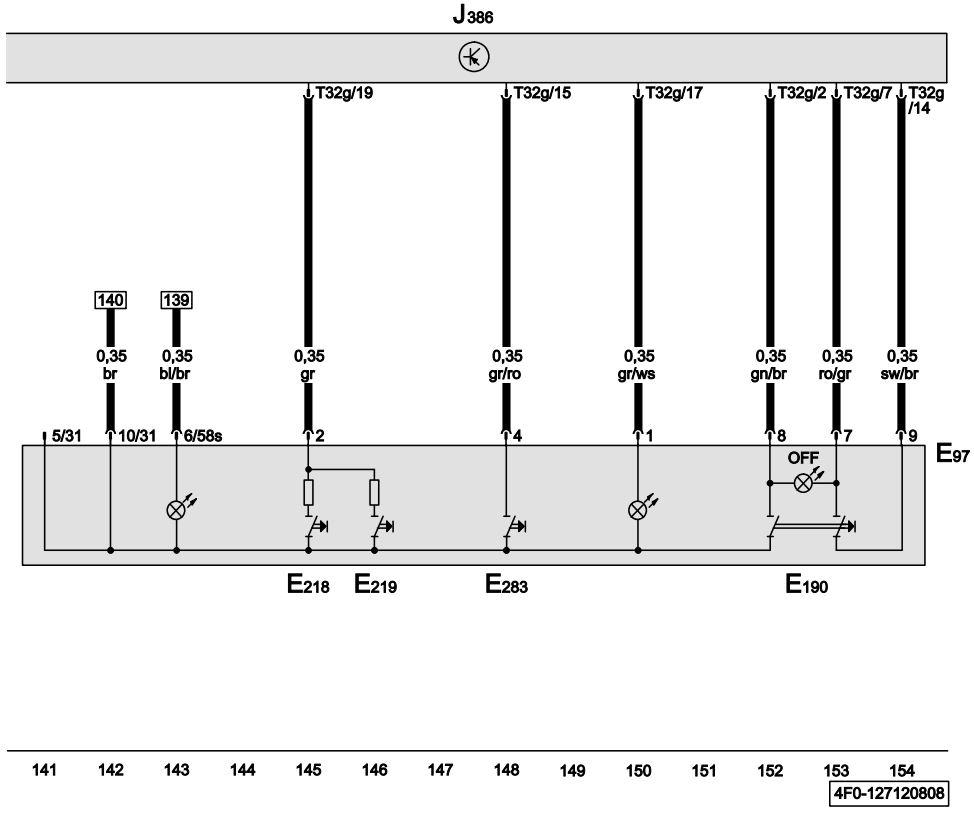
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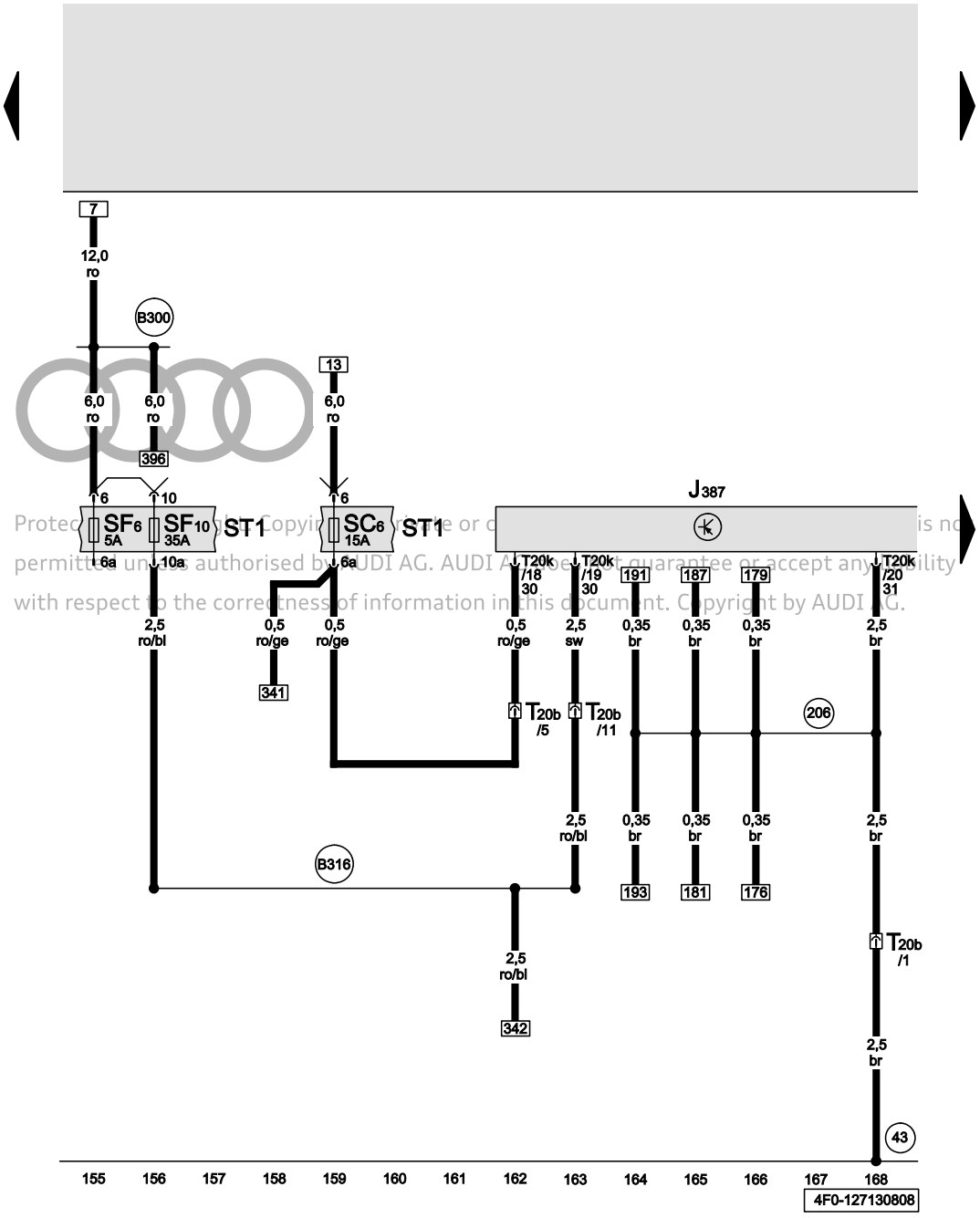
Driver door control unit, driver seat memory operating unit, emergency-off button

E97	Driver seat memory operating unit
E190	Emergency-off button
E218	Seat memory position button 1
E219	Seat memory position button 2
E283	Driver seat memory function button
J386	Driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit

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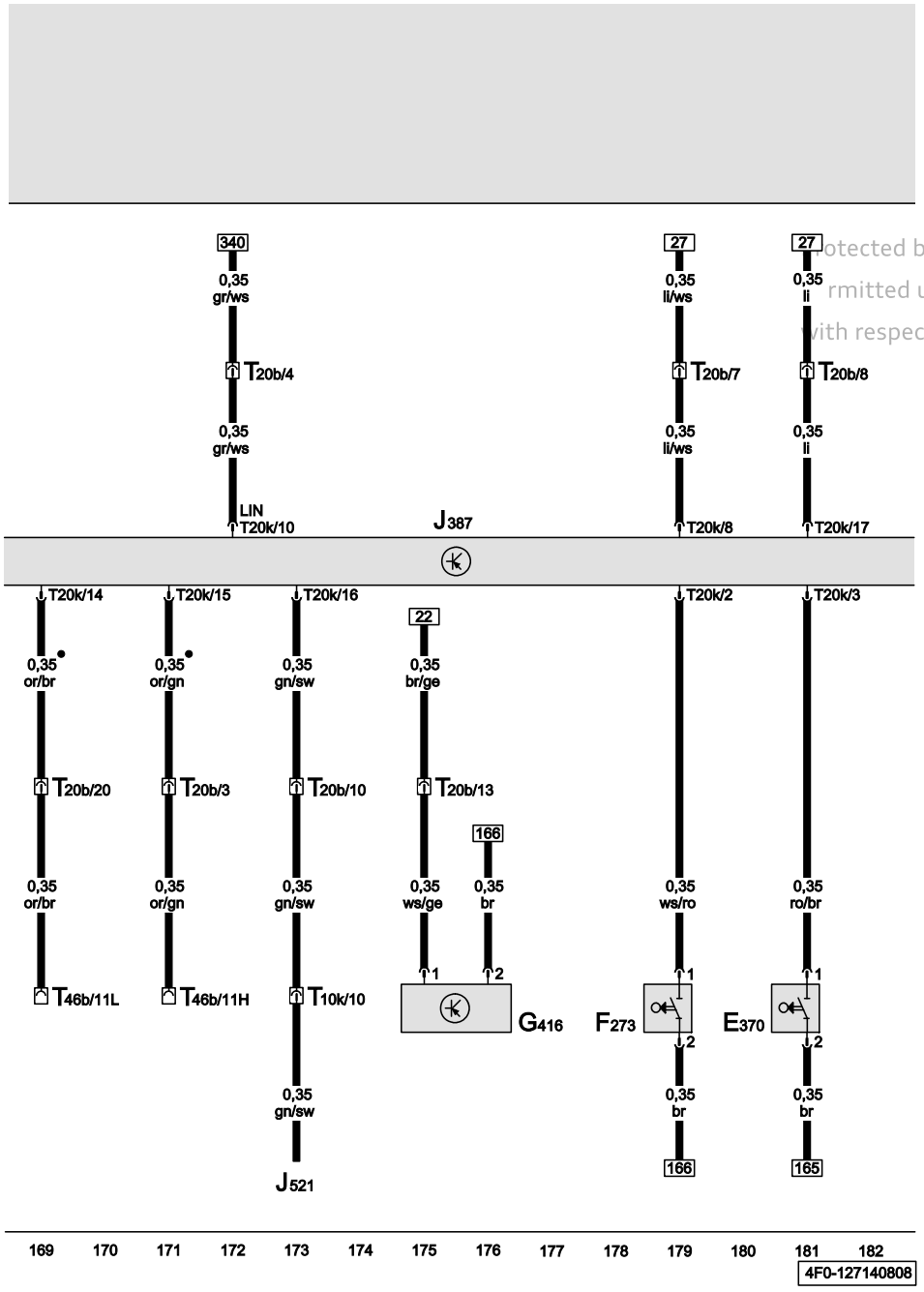


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Front passenger door control unit

J387	Front passenger door control unit
SC6	Fuse 6 on fuse holder C
SF6	Fuse 8 on fuse holder F
SF10	Fuse 10 on fuse holder F
T20b	20-pin connector, black, right A-pillar
T20k	20-pin connector, black, connector B, on front passenger door control unit
43	Earth point, lower part of right A-pillar
206	Earth connection, in door wiring harness, front passenger side
B300	Positive connection 4 (30), in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness

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Front passenger door control unit, front passenger door exterior handle central locking button, front passenger door exterior handle switch, front passenger door exterior handle touch sensor

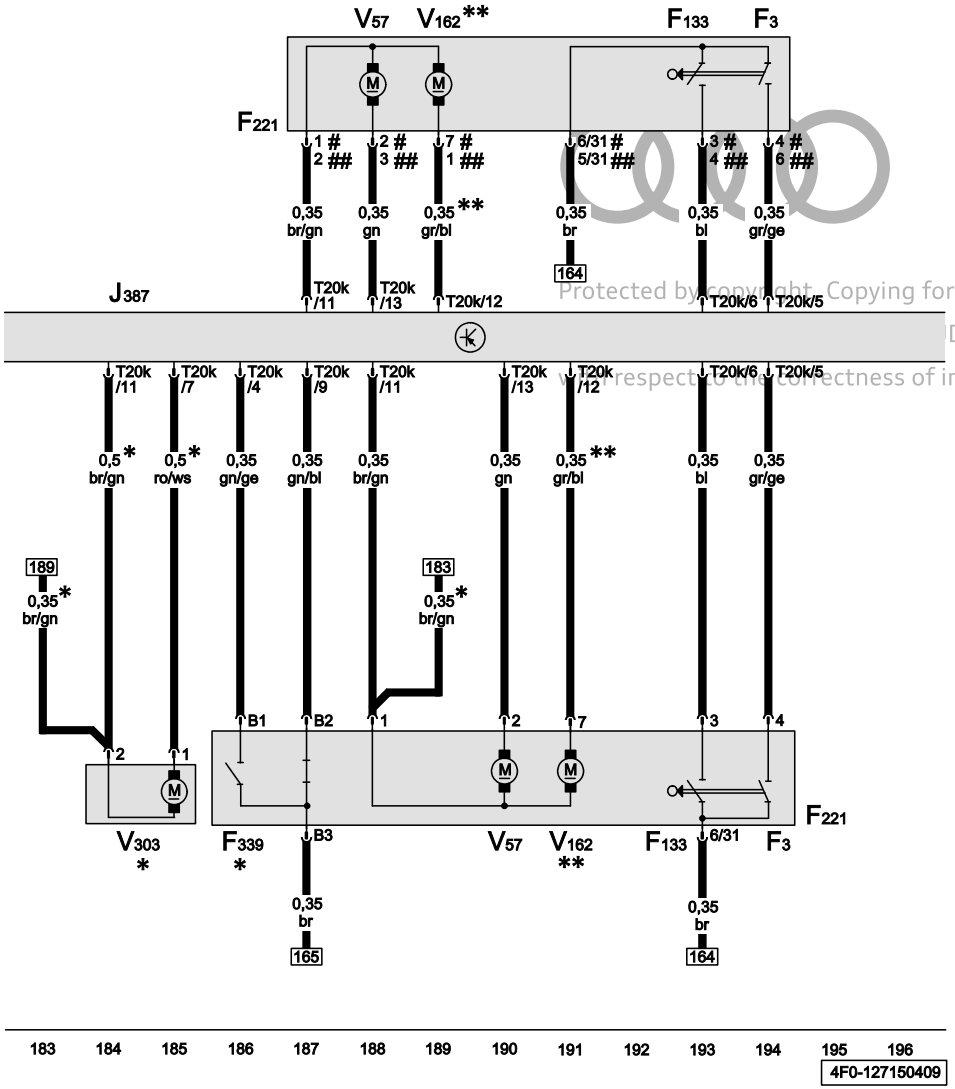
E370	Front passenger door exterior handle central locking button
F273	Front passenger door exterior handle switch
G416	Front passenger door exterior handle touch sensor
J387	Front passenger door control unit
J521	Front passenger seat adjustment with memory control unit
T10k	10-pin connector, red, on right of seat cross member
T20b	20-pin connector, black, right A-pillar
T20k	20-pin connector, black, connector B, on front passenger door control unit
T46b	46-pin connector, CAN disconnector right
•	CAN bus (data wire)

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Front passenger door control unit, front passenger door contact switch, front passenger side central locking lock unit, front passenger door central locking deadlock function motor, front passenger door power latching motor

F3	Front passenger door contact switch
F133	Front right central locking actuator
F221	Front passenger side central locking lock unit
F339	Front passenger door power latching system contact switch
J387	Front passenger door control unit
T20k	20-pin connector, black, connector B, on front passenger door control unit
V57	Front passenger door central locking deadlock function motor
V162	Front passenger door central locking deadlock function motor
V303	Front passenger door power latching motor
*	models with power latching system
**	not USA
#	up to October 2009
##	from November 2009



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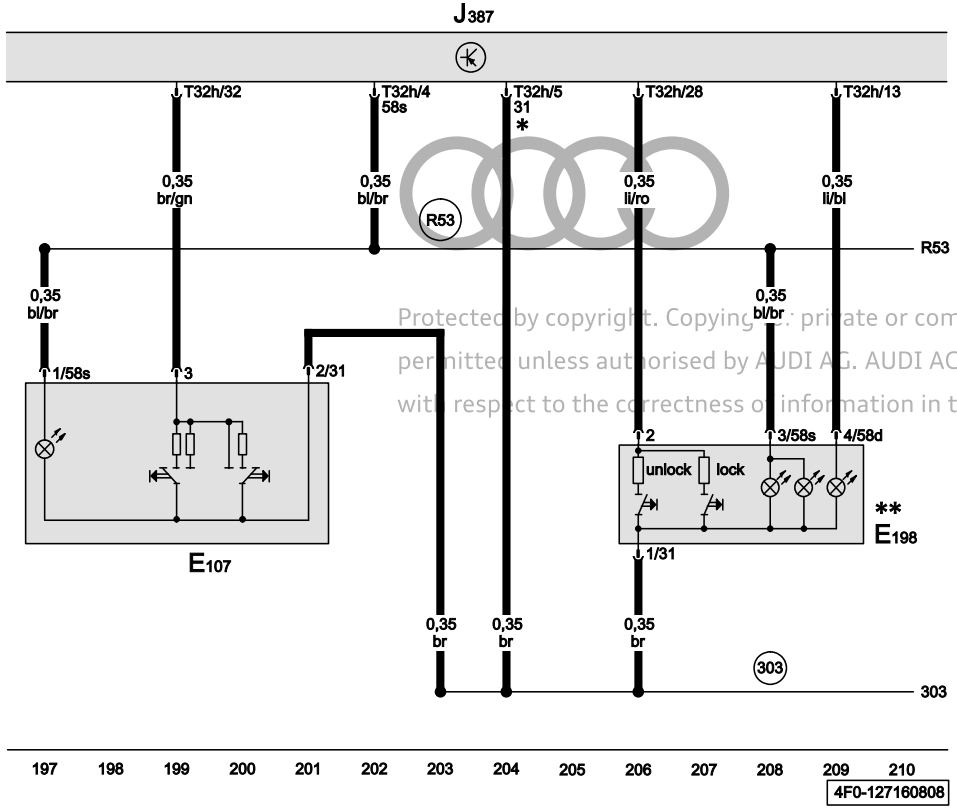
Front passenger door control unit, window regulator switch in front passenger door, front passenger side interior locking switch

E107 Window regulator switch in front passenger door
E198 Front passenger side interior locking switch
J387 Front passenger door control unit
T32h 32-pin connector, white, connector D, on front passenger door control unit

303 Earth connection 3, in front passenger side door wiring harness

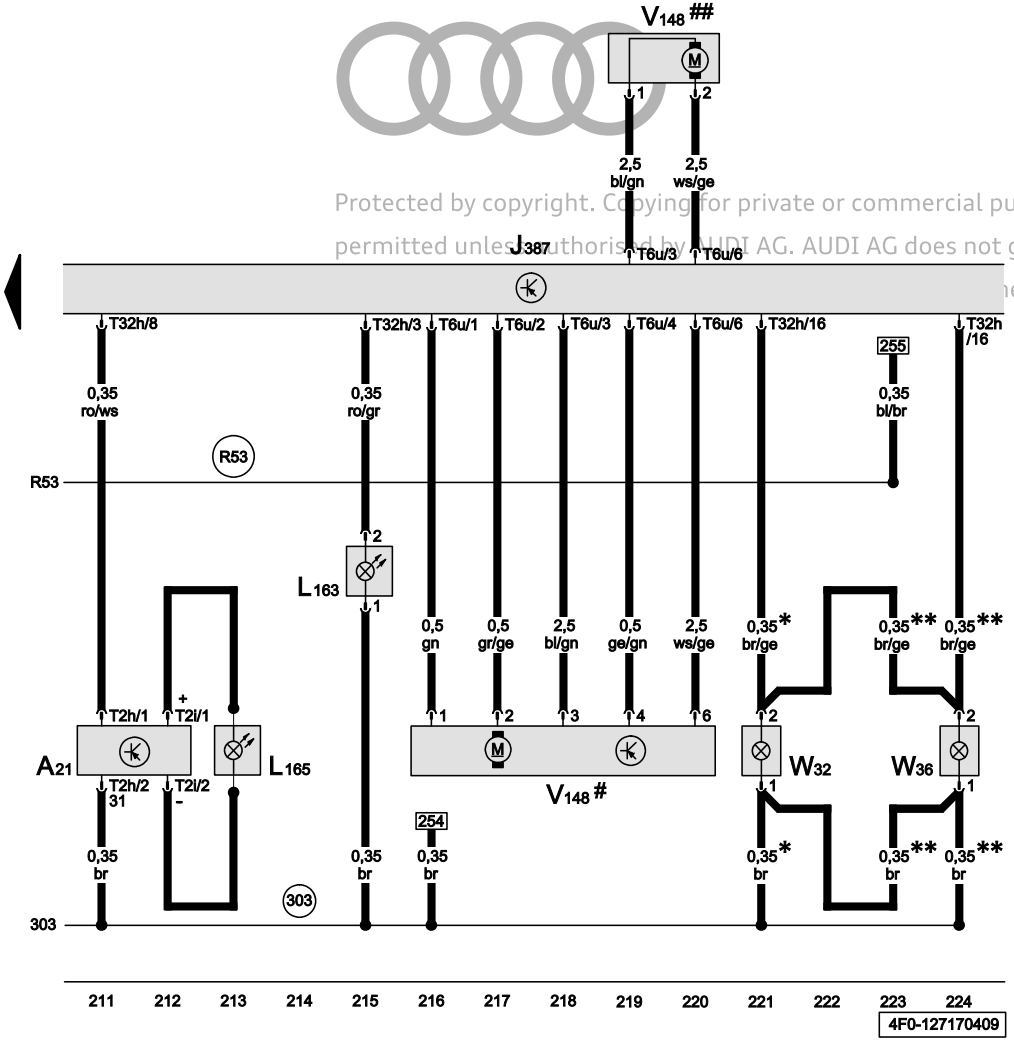
R53 Connection (58s), in front passenger side door wiring harness

* switch earth output
** only USA



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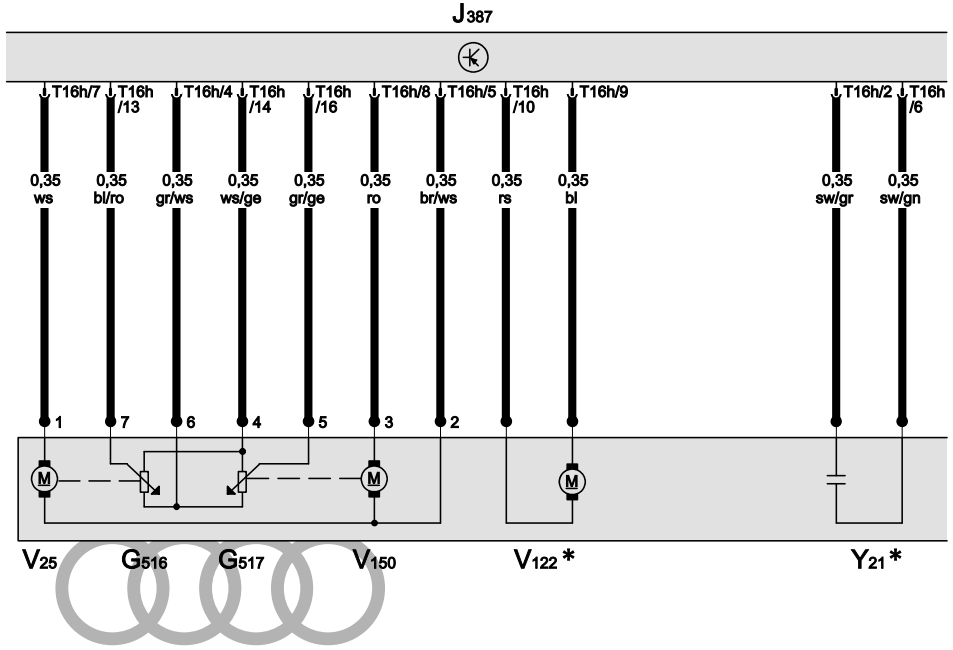
Front passenger door control unit, front passenger side window regulator motor, front passenger door ambient lighting bulb, front right entry light, front passenger side door warning lamp, front right door exterior handle illumination bulb

A21	Front passenger door ambient lighting voltage converter
J387	Front passenger door control unit
L163	Front right door exterior handle illumination bulb
L165	Front passenger door ambient lighting bulb
T6u	6-pin connector, black, connector A, on front passenger door control unit
T32h	32-pin connector, white, connector D, on front passenger door control unit
V148	Front passenger side window regulator motor
W32	Front right entry light
W36	Front passenger side door warning lamp
303	Earth connection 3, in front passenger side door wiring harness
R53	Connection (58s), in front passenger side door wiring harness
*	models without auxiliary inner lights
**	models with auxiliary inner lights
#	up to May 2009
##	from June 2009

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Front passenger door control unit, front passenger side mirror adjustment motor, front passenger side fold-in mirror motor, front passenger side automatic anti-dazzle 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
T16h	16-pin connector, black, connector C, on front passenger door control unit
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V150	Front passenger side mirror adjustment motor
Y21	Front passenger side automatic anti-dazzle exterior mirror
*	mirror with fold-in feature
**	models with automatic anti-dazzle exterior mirror



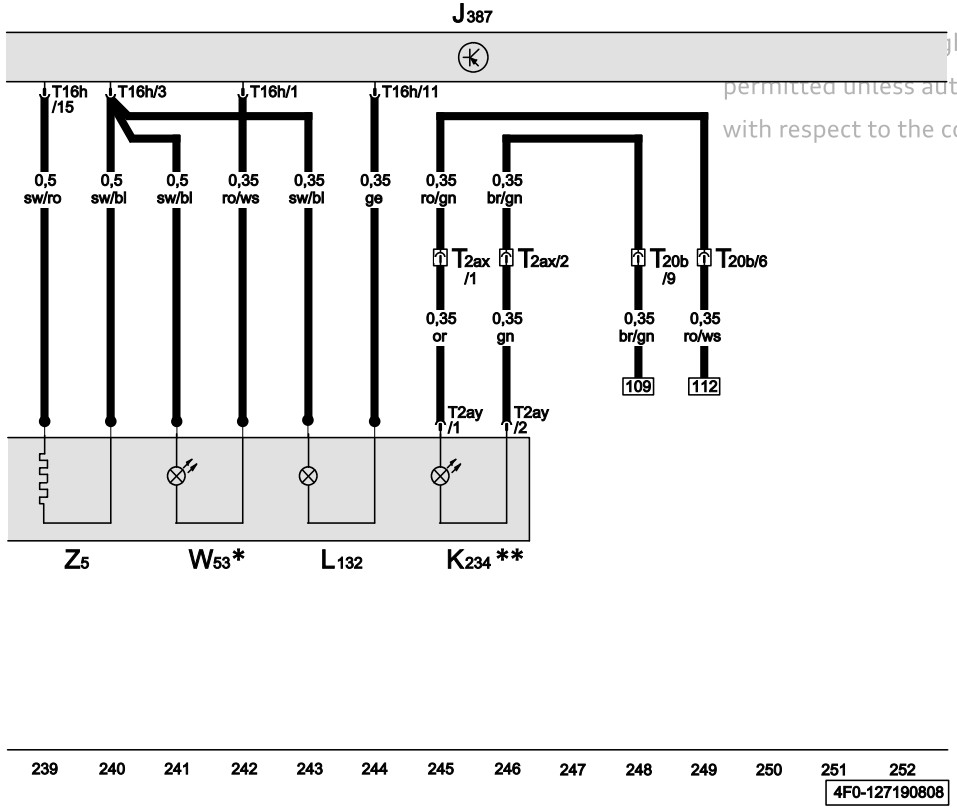
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Front passenger door control unit, lane change assist warning lamp in front passenger side exterior mirror, front passenger side exterior mirror turn signal bulb, front passenger side entry light in exterior mirror, front passenger side heated exterior mirror

J387	Front passenger door control unit
K234	Lane change assist warning lamp in front passenger side exterior mirror
L132	Front passenger side exterior mirror turn signal bulb
T2ax	2-pin connector, black, in front passenger door
T2ay	2 pin connector, lane change assist in exterior mirror
T16h	16-pin connector, black, connector C, on front passenger door control unit
T20b	20-pin connector, black, right A-pillar
W53	Front passenger side entry light in exterior mirror
Z5	Front passenger side heated exterior mirror
*	models with entry light in front passenger side exterior mirror
**	models with lane change assist

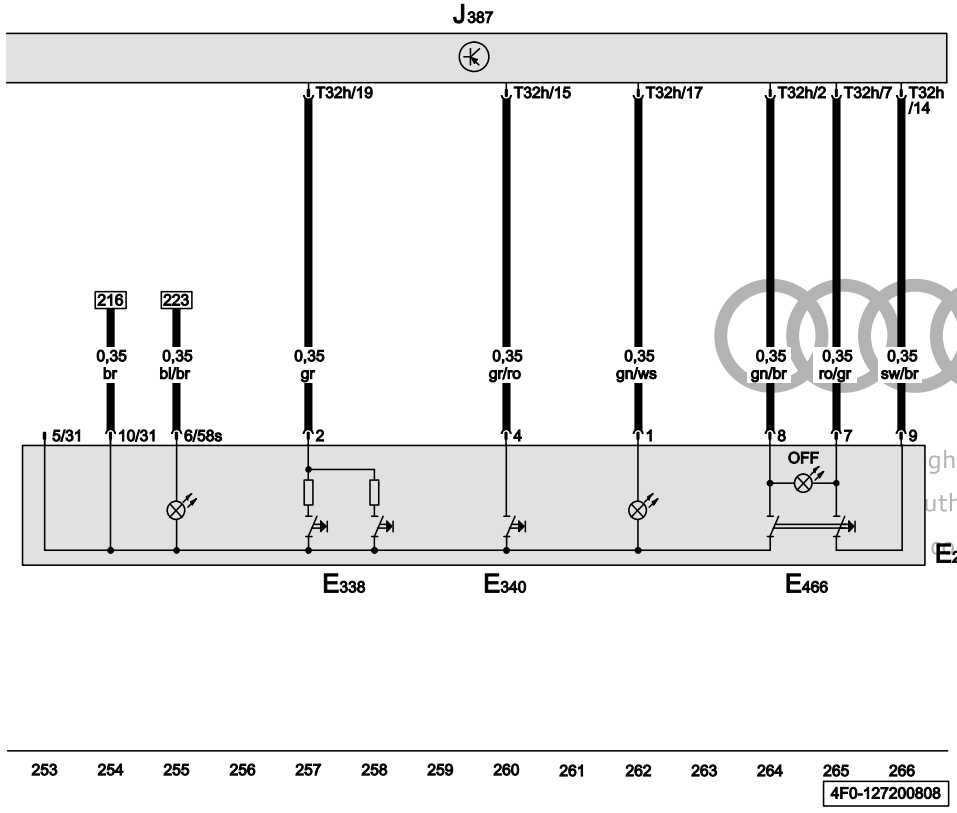
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Front passenger door control unit, front passenger seat memory operating unit, front passenger side emergency off button

E277 Front passenger seat memory operating unit
E338 Seat memory button for seat positions 1 and 2
E340 Front passenger seat memory function button
E466 Front passenger side emergency off button
J387 Front passenger door control unit
T32h 32-pin connector, white, connector D, on front passenger door control unit



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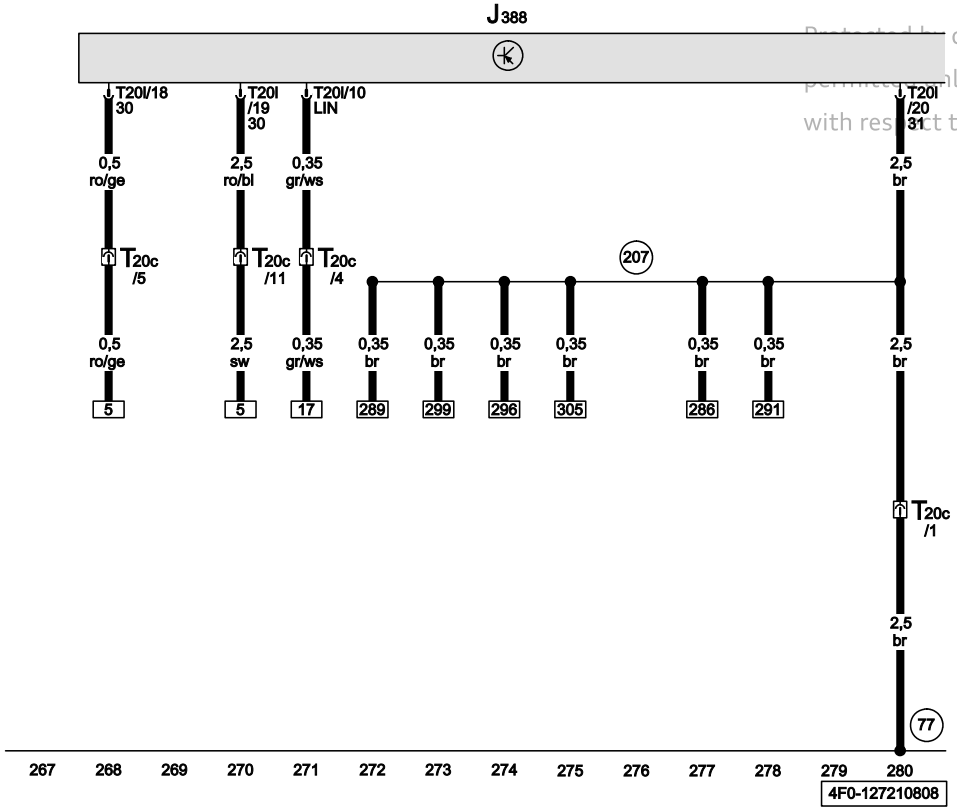
Rear left door control unit

J388 Rear left door control unit
T20c 20-pin connector, black, left B-pillar
T20l 20-pin connector, black, connector B, on rear left door control unit

77 Earth point, lower part of left B-pillar

207 Earth connection, in rear left door wiring harness

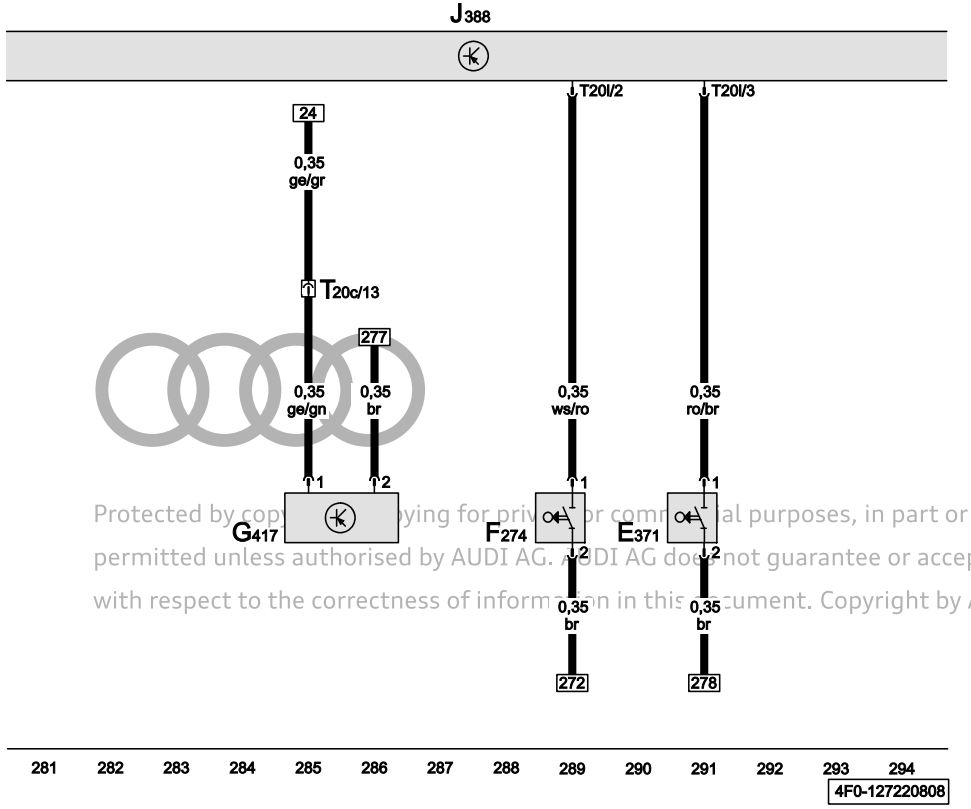
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Rear left door control unit, rear left door exterior handle central locking button, rear left door exterior handle switch, rear left door exterior handle touch sensor

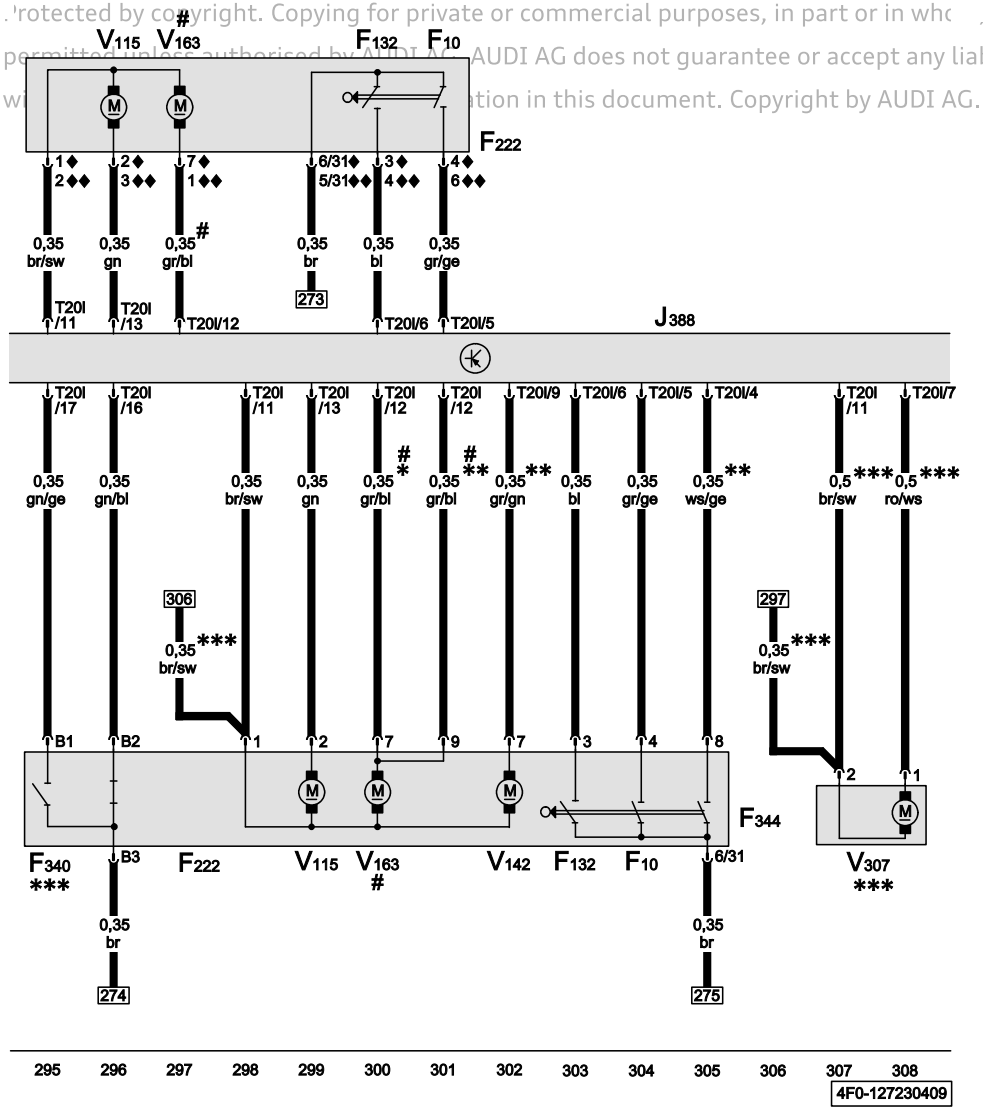
E371	Rear left door exterior handle central locking button
F274	Rear left door exterior handle switch
G417	Rear left door exterior handle touch sensor
J388	Rear left door control unit
T20c	20-pin connector, black, left B-pillar
T20l	20-pin connector, black, connector B, on rear left door control unit



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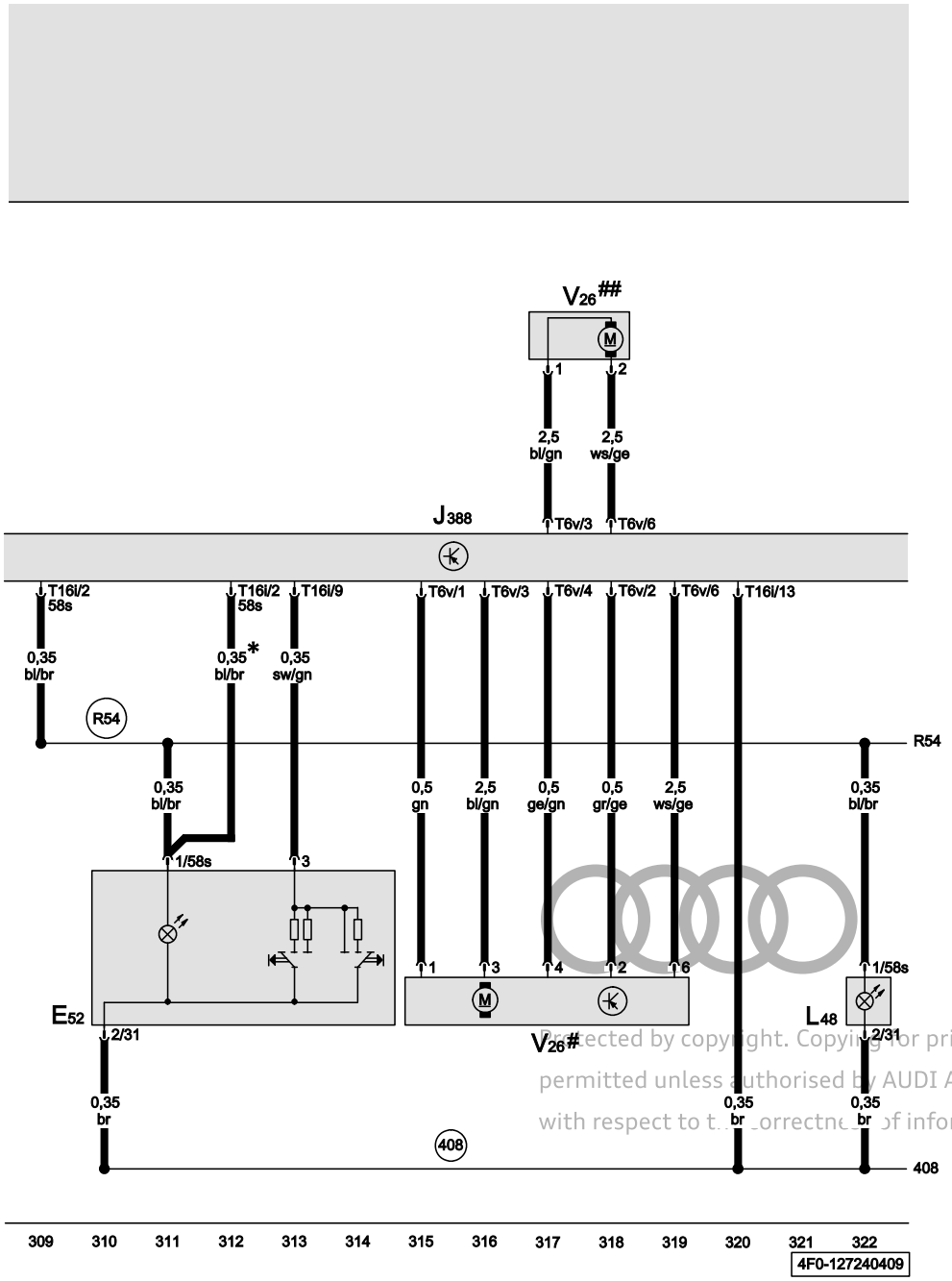
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Rear left door control unit, rear left central locking lock unit, rear left door central locking motor, rear left door contact switch, rear left door central locking deadlock function motor, rear left door power latching motor

F10	Rear left door contact switch
F132	Rear left central locking actuator
F222	Rear left central locking lock unit
F340	Rear left door power latching system contact switch
F344	Rear left childproof lock contact switch
J388	Rear left door control unit
T20l	20-pin connector, black, connector B, on rear left door control unit
V115	Rear left door central locking motor
V142	Rear left childproof lock motor
V163	Rear left door central locking deadlock function motor
V307	Rear left door power latching motor
*	models without childproof lock
**	models with childproof lock
***	models with power latching system
#	not USA
◆	up to October 2009
◆◆	from November 2009



Rear left door control unit, rear left window regulator switch, in door, rear left ashtray illumination bulb, rear left window regulator motor

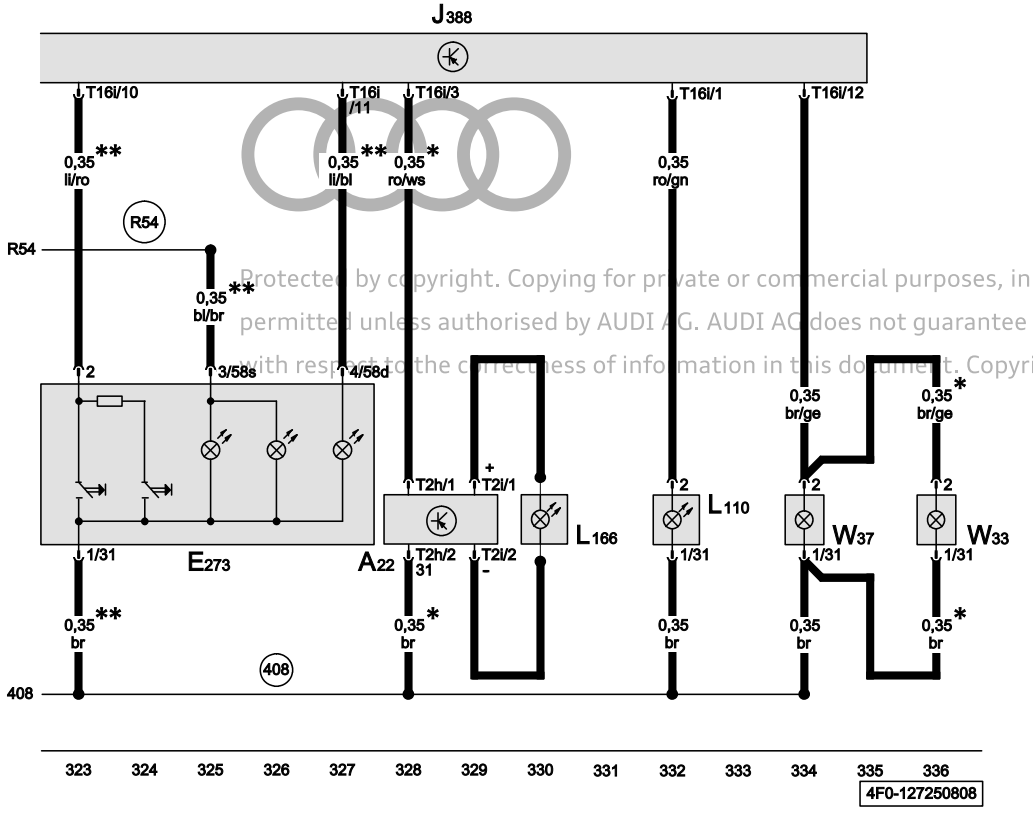
E52	Rear left window regulator switch, in door
J388	Rear left door control unit
L48	Rear left ashtray illumination bulb
T6v	6-pin connector, black, connector A, on rear left door control unit
T16i	16-pin connector, black, connector C, on rear left door control unit
V26	Rear left window regulator motor
408	Earth connection 3, in rear left door wiring harness
R54	Connection (58s), in rear left door wiring harness
*	models without rear ashtray
#	up to May 2009
##	from June 2009

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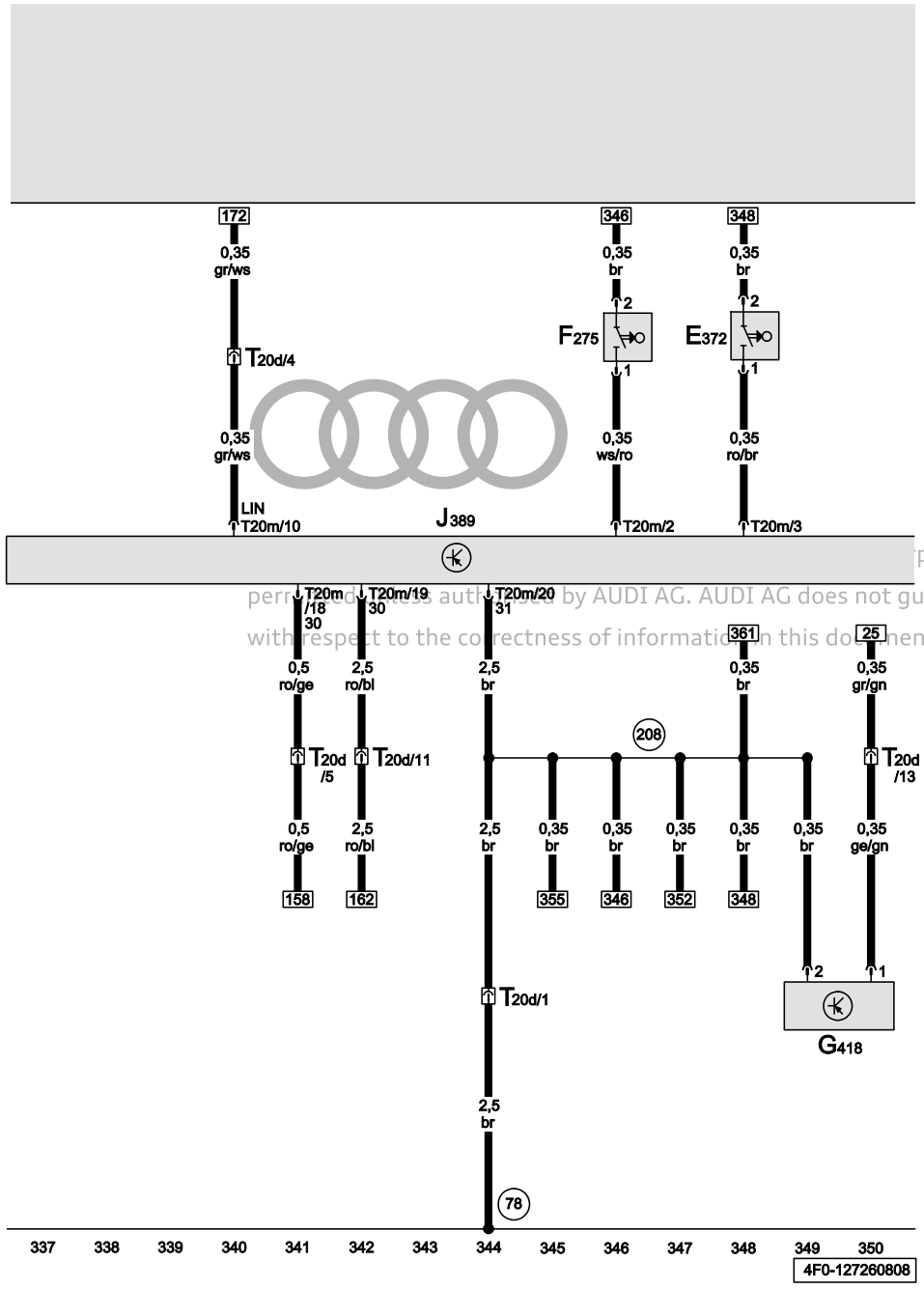
Rear left door control unit, rear left interior locking switch, rear left door opener illumination bulb, rear left door ambient lighting bulb, rear left entry light, rear left door warning lamp

A22	Rear left door ambient lighting voltage converter
E273	Rear left interior locking switch
J388	Rear left door control unit
L110	Rear left door opener illumination bulb
L166	Rear left door ambient lighting bulb
T2h	2-pin connector, on ambient lighting voltage converter
T2i	2-pin connector, on ambient lighting voltage converter
T16i	16-pin connector, black, connector C, on rear left door control unit
W33	Rear left entry light
W37	Rear left door warning lamp
408	Earth connection 3, in rear left door wiring harness
*	models with auxiliary interior lights
**	only USA



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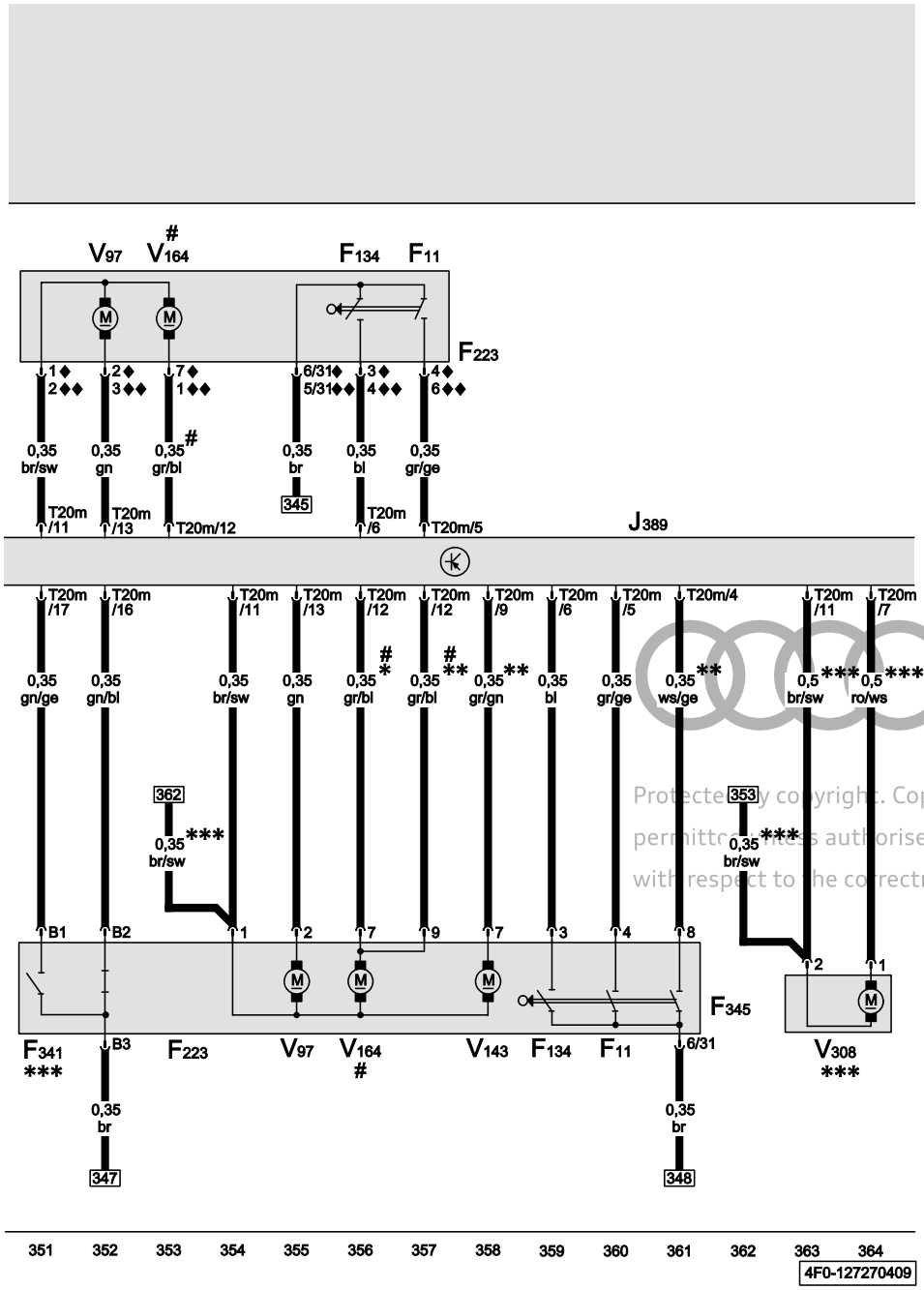


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Rear right door control unit, rear right door exterior door handle touch sensor, rear right door exterior handle central locking button, rear right door exterior handle switch

E372	Rear right door exterior handle central locking button
F275	Rear right door exterior handle switch
G418	Rear right door exterior door handle touch sensor
J389	Rear right door control unit
T20d	20-pin connector, black, right B-pillar
T20m	20-pin connector, black, connector B, on rear right door control unit
78	Earth point, lower part of right B-pillar
208	Earth connection, in rear right door wiring harness

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Rear right door control unit, rear right central locking actuator, rear right central locking lock unit, rear right childproof lock motor, rear right power latching motor

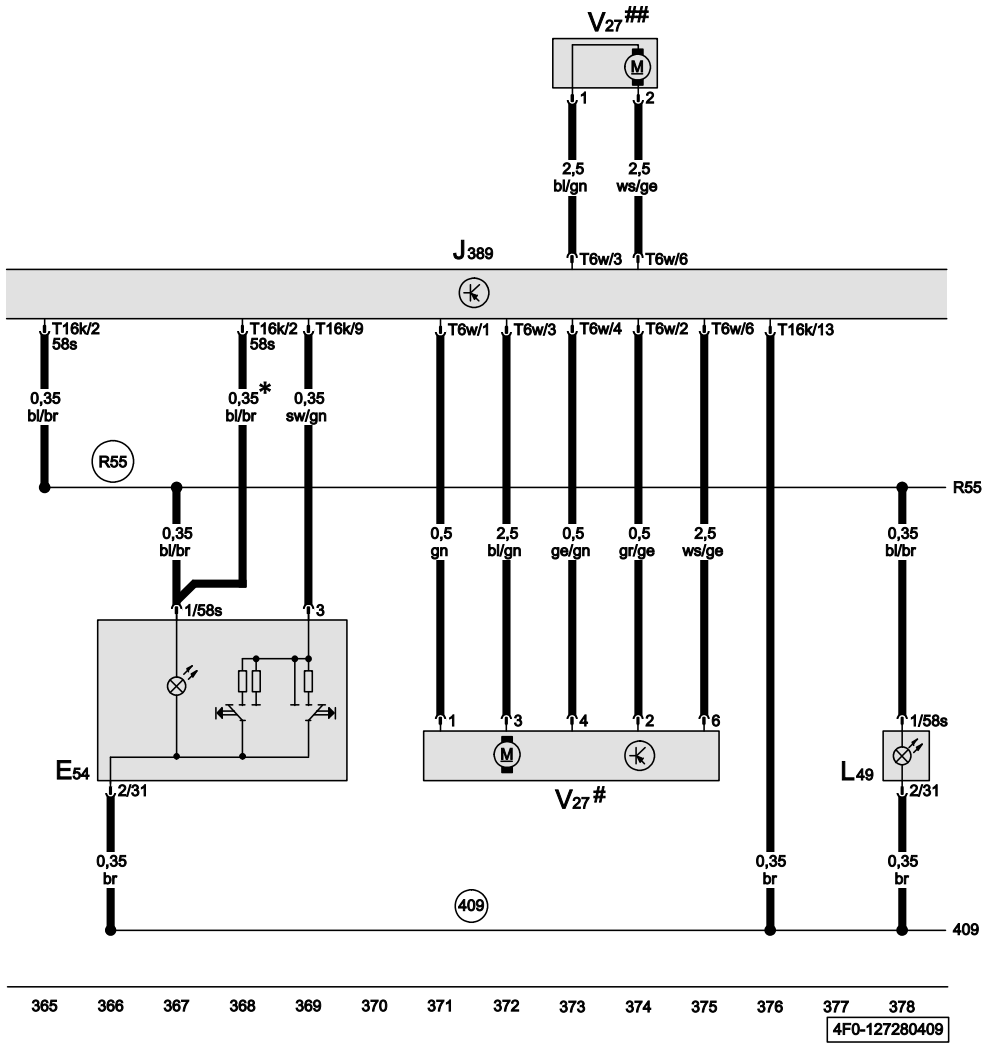
F11	Rear right door contact switch
F134	Rear right central locking actuator
F223	Rear right central locking lock unit
F341	Rear right door power latching system contact switch
F345	Rear right childproof lock contact switch
J389	Rear right door control unit
T20m	20-pin connector, black, connector B, on rear right door control unit
V97	Rear right door central locking motor
V143	Rear right childproof lock motor
V164	Rear right door central locking deadlock function motor
V308	Rear right power latching motor
*	models without childproof lock
**	models with childproof lock
***	models with power latching system
#	not USA
◆	up to October 2009
◆◆	from November 2009

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Rear right door control unit, rear right window regulator switch, in door, rear right ashtray illumination bulb, rear right window regulator motor

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E54 Rear right window regulator switch, in door
J389 Rear right door control unit
L49 Rear right ashtray illumination bulb
T6w 6-pin connector, black, connector A, on rear right door control unit
T16k 16-pin connector, black, connector C, on rear right door control unit
V27 Rear right window regulator motor

409 Earth connection 3, in rear right door wiring harness

R55 Connection (58s), in rear right door wiring harness

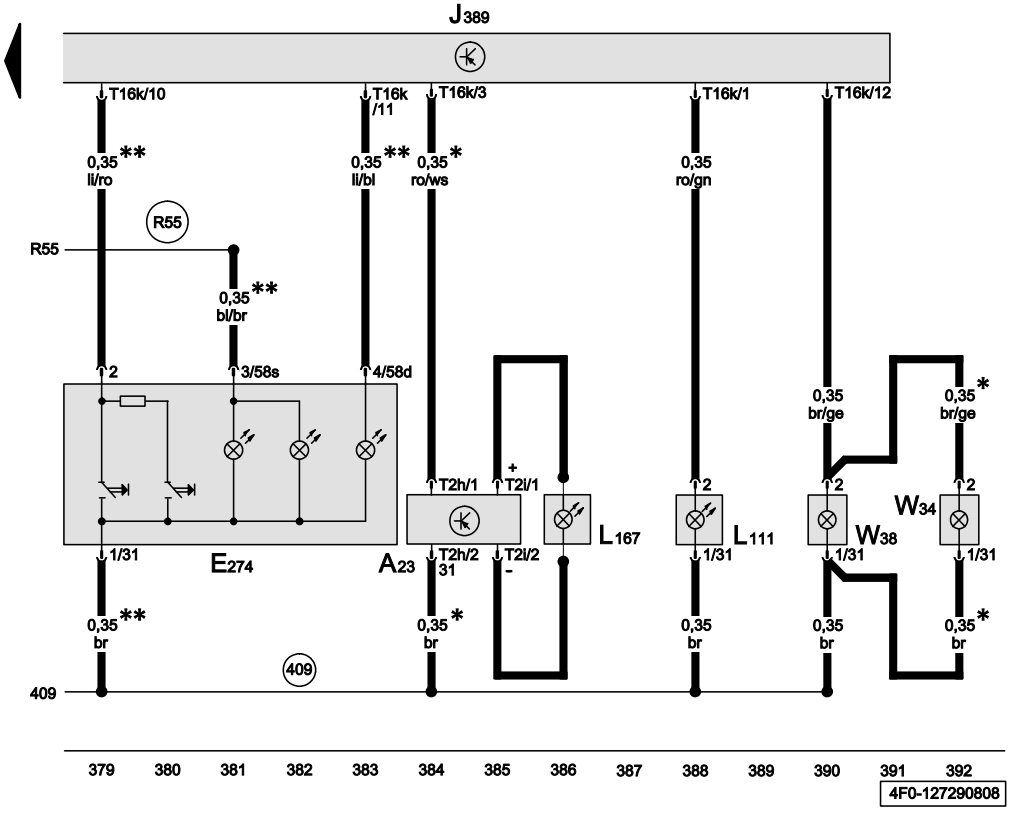
* models without rear ashtray
\# up to May 2009
from June 2009

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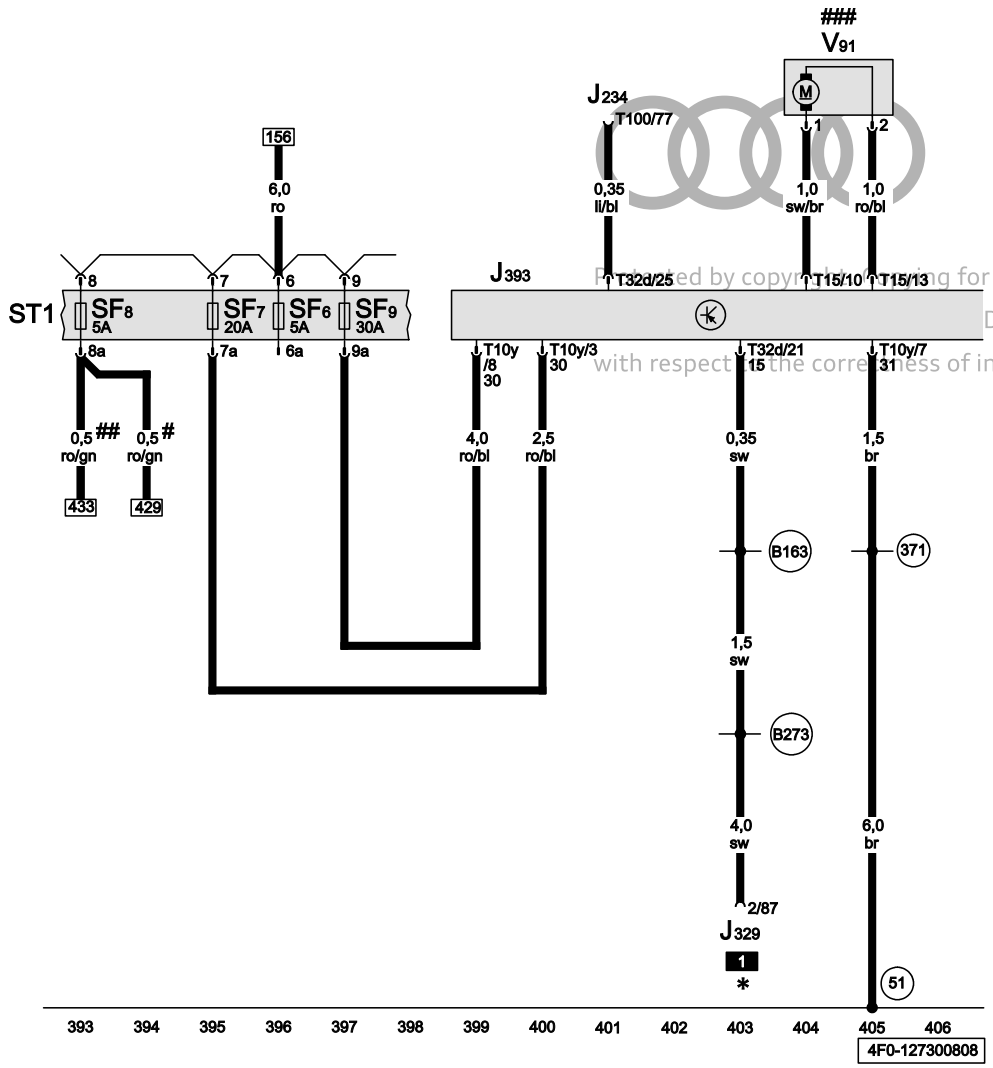
Rear right door control unit, rear right door ambient lighting bulb, rear right entry light, rear right door warning lamp, rear right door opener illumination bulb, rear right interior locking switch

A23	Rear right door ambient lighting voltage converter
E274	Rear right interior locking switch
J389	Rear right door control unit
L111	Rear right door opener illumination bulb
L167	Rear right door ambient lighting bulb
T2h	2-pin connector, on ambient lighting voltage converter
T2i	2-pin connector, on ambient lighting voltage converter
T16k	16-pin connector, black, connector C, on rear right door control unit
W34	Rear right entry light
W38	Rear right door warning lamp
409	Earth connection 3, in rear right door wiring harness
*	models with auxiliary interior lights
**	only USA

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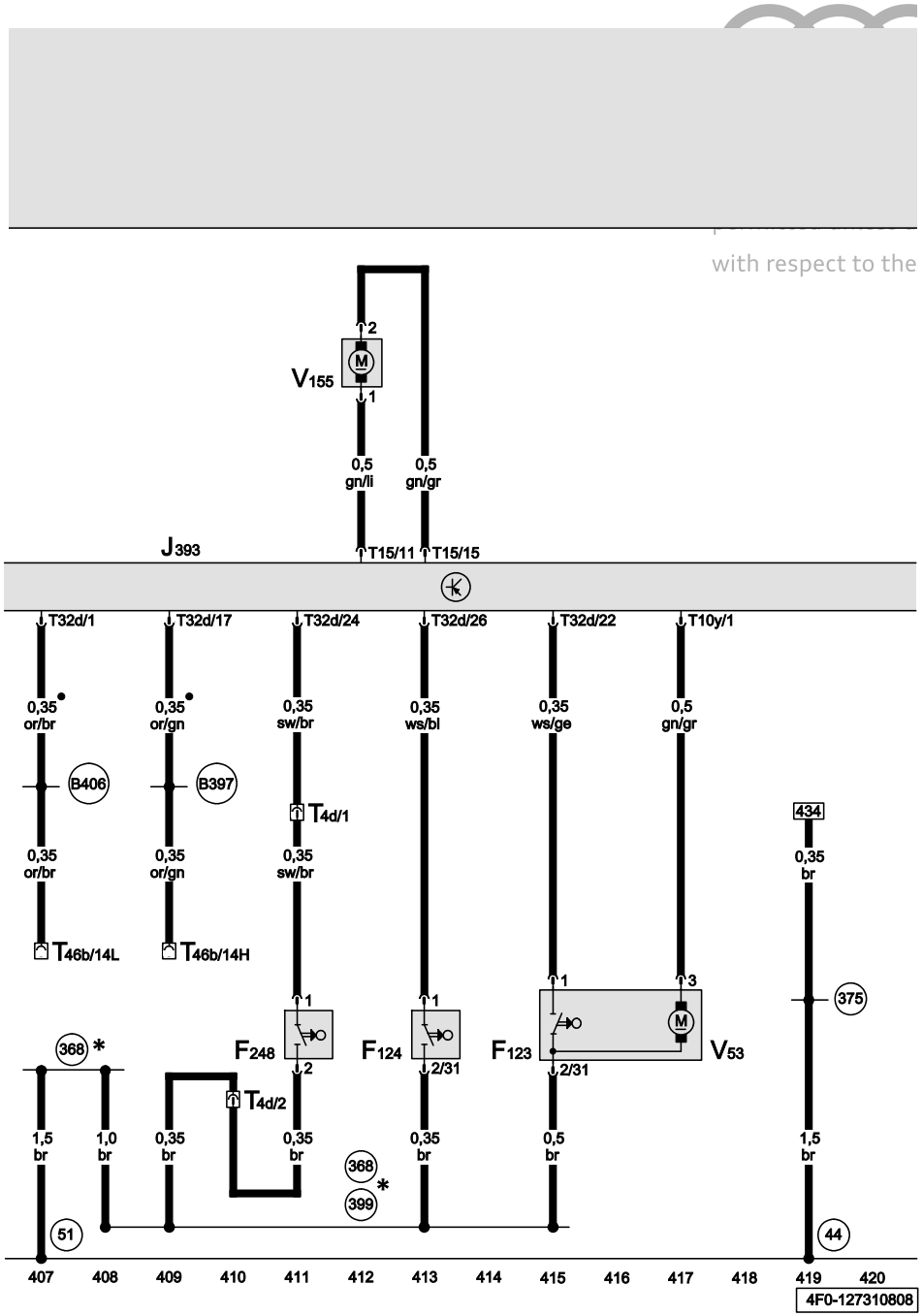


Convenience system central control unit, rear roller blind motor, fuses

J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
SF9	Fuse 9 on fuse holder F
T10y	10-pin connector, black, connector C, on convenience system control unit
T15	15-pin connector, brown, connector A, on convenience system central control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T100	100-pin connector, blue, on airbag control unit
V91	Rear roller blind motor
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
*	9-point relay carrier, behind driver storage compartment
#	models with anti-theft alarm
##	models with anti-theft alarm and interior monitor
###	models with rear roller blind

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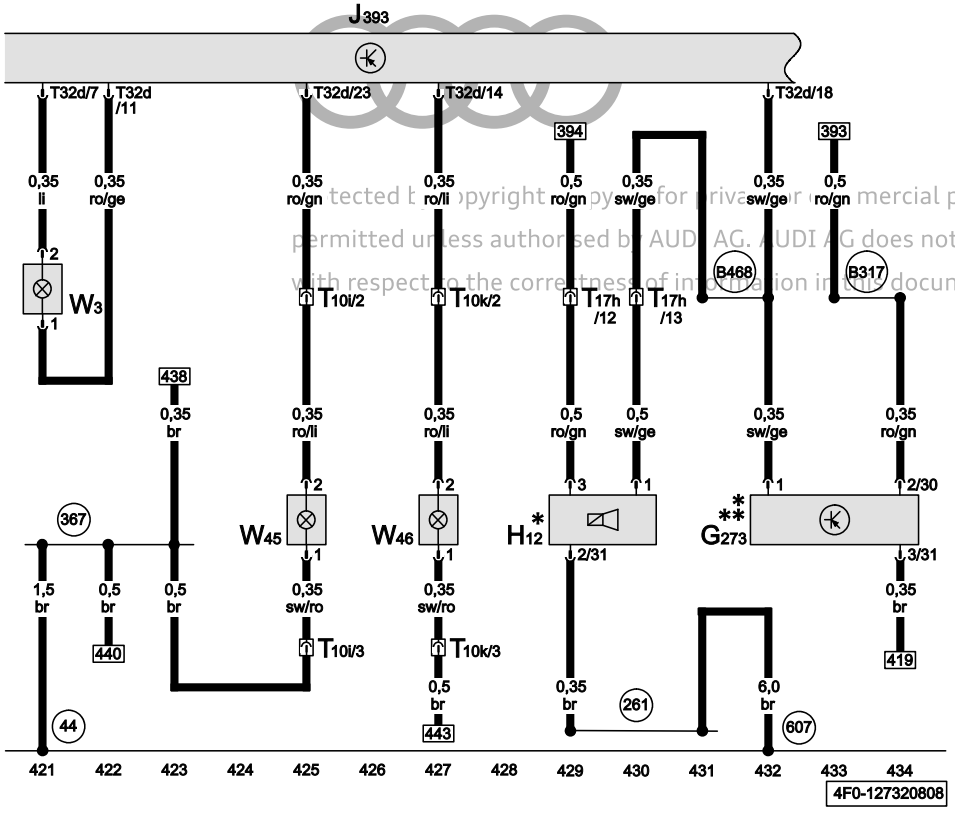
Convenience system central control unit, rear lid contact switch for anti-theft alarm, release button for rear lid lock cylinder

F123	Rear lid contact switch for anti-theft alarm system
F124	Contact switch in lock cylinder for rear lid, anti-theft alarm system, central locking system
F248	Release button for rear lid lock cylinder
J393	Convenience system central control unit
T4d	4-pin connector, black, rear lid
T10y	10-pin connector, black, connector C, on convenience system control unit
T15	15-pin connector, brown, connector A, on convenience system central control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T46b	46-pin connector, CAN disconnector right
V53	Rear lid central locking motor
V155	Tank filler flap locking motor
44	Earth point, lower part of left A-pillar
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
375	Earth connection 10, in main wiring harness
399	Earth connection 34, 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
•	CAN bus (data wire)
*	depends on equipment

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Convenience system central control unit, luggage compartment light, rear left and right footwell light, alarm horn, rear roller blind motor, interior monitoring sensor

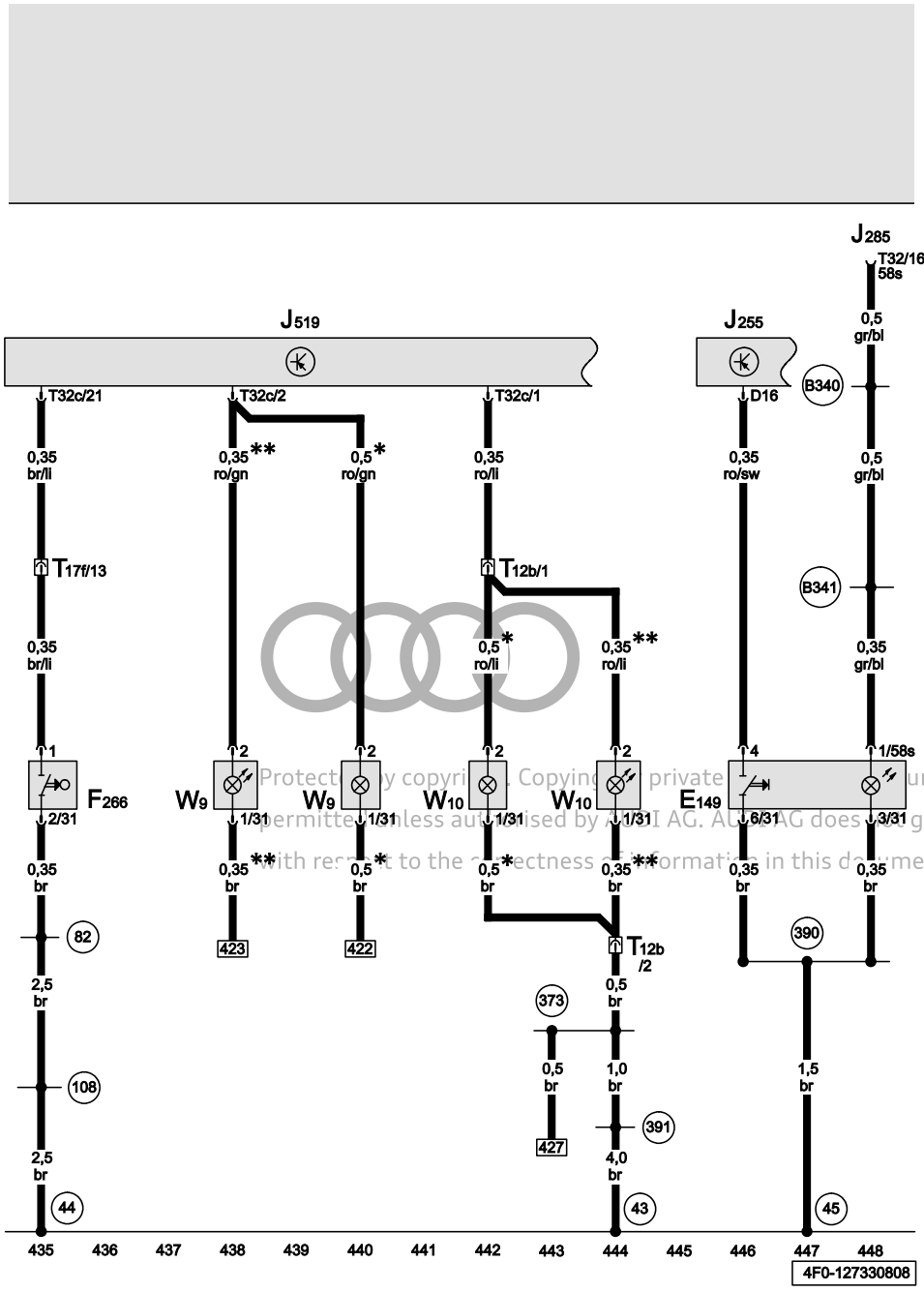
G273	Interior monitoring sensor
H12	Alarm horn
J393	Convenience system central control unit
T10i	10-pin connector, red, on left of seat cross member
T10k	10-pin connector, red, on right of seat cross member
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V91	Rear roller blind motor
W3	Luggage compartment light
W45	Rear left footwell light
W46	Rear right footwell light
44	Earth point, lower part of left A-pillar
261	Earth connection, in heated washer jet wiring harness
367	Earth connection 2, in main wiring harness
607	Earth point, on left in plenum chamber
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4 in main wiring harness
*	models with anti-theft alarm
**	models with anti-theft alarm and interior monitor
#	models with rear roller blind



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Onboard supply control unit, bonnet contact switch, left and right footwell light, rear roller blind switch



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E149	Rear roller blind switch
F266	Bonnet contact switch
J255	Climatronic control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
T12b	12-pin connector, black, on right behind dash panel
T17f	17-pin connector, green, coupling station on left of A-pillar
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, connector C, on onboard supply control unit
W9	Left footwell light
W10	Right footwell light
43	Earth point, lower part of right A-pillar
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
373	Earth connection 8, in main wiring harness
390	Earth connection 25, in main wiring harness
391	Earth connection 26, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	models without auxiliary lights
**	models with auxiliary lights

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Infotainment data bus (Most-Ring)

⇒ **for models with MMI generation 3 only (MOST)**
from September 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

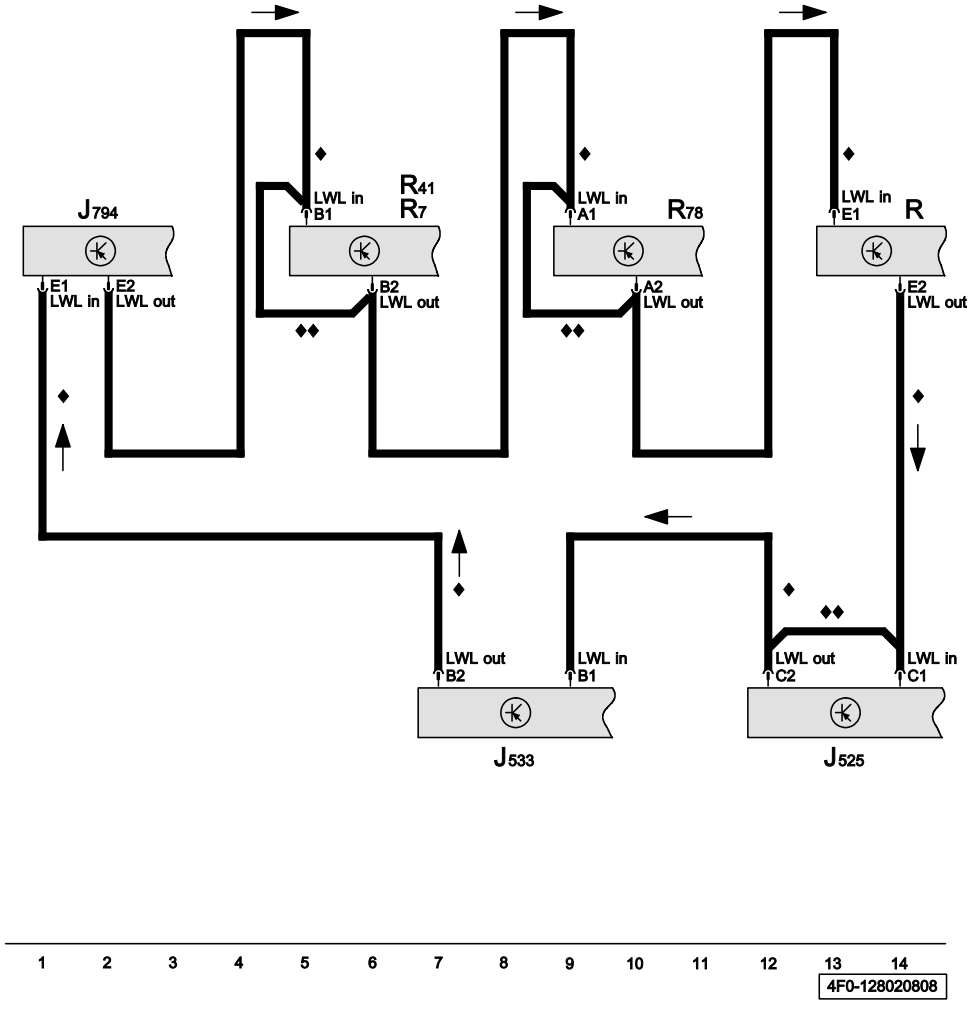
⇒ guided fault finding

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MMI generation 3

J525	Digital sound package control unit
J533	Data bus diagnostic interface
J794	Control unit for information electronics 1
R	Radio
R7	DVD player
R41	CD changer
R78	TV tuner
◆	fibre optic conductor
◆◆	equipment that is not present is bridged

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Ringbreak diagnosis

⇒ **for models with MMI generation 3 only (MOST)**
from September 2008

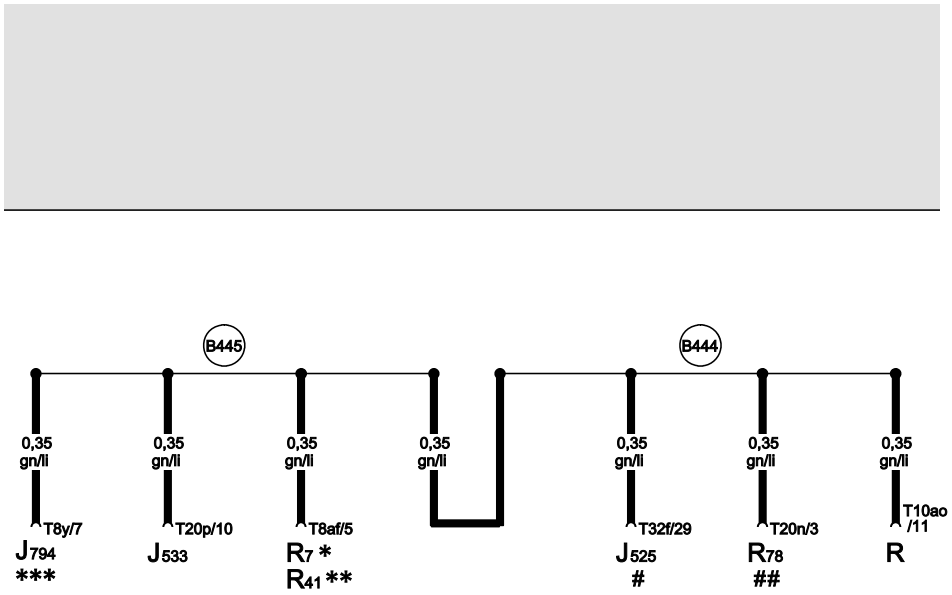
Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
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⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



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Ringbreak diagnosis

J525	Digital sound package control unit
J533	Data bus diagnostic interface
J794	Control unit for information electronics 1
R	Radio
R7	DVD player
R41	CD changer
R78	TV tuner
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8af	8-pin connector, black
T10ao	10-pin connector, black, connector D, on radio
T20n	20-pin connector, red, connector B, on TV tuner
T20p	20-pin connector, black, on data bus diagnostic interface
T32f	32-pin connector, black, connector A, on digital sound package control unit
B444	Connection 1 (diagnosis), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	models with DVD player
**	models with CD changer
***	in left glove box
#	models with BOSE soundsystem (8RY)
##	models with TV tuner

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Avant, rear

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

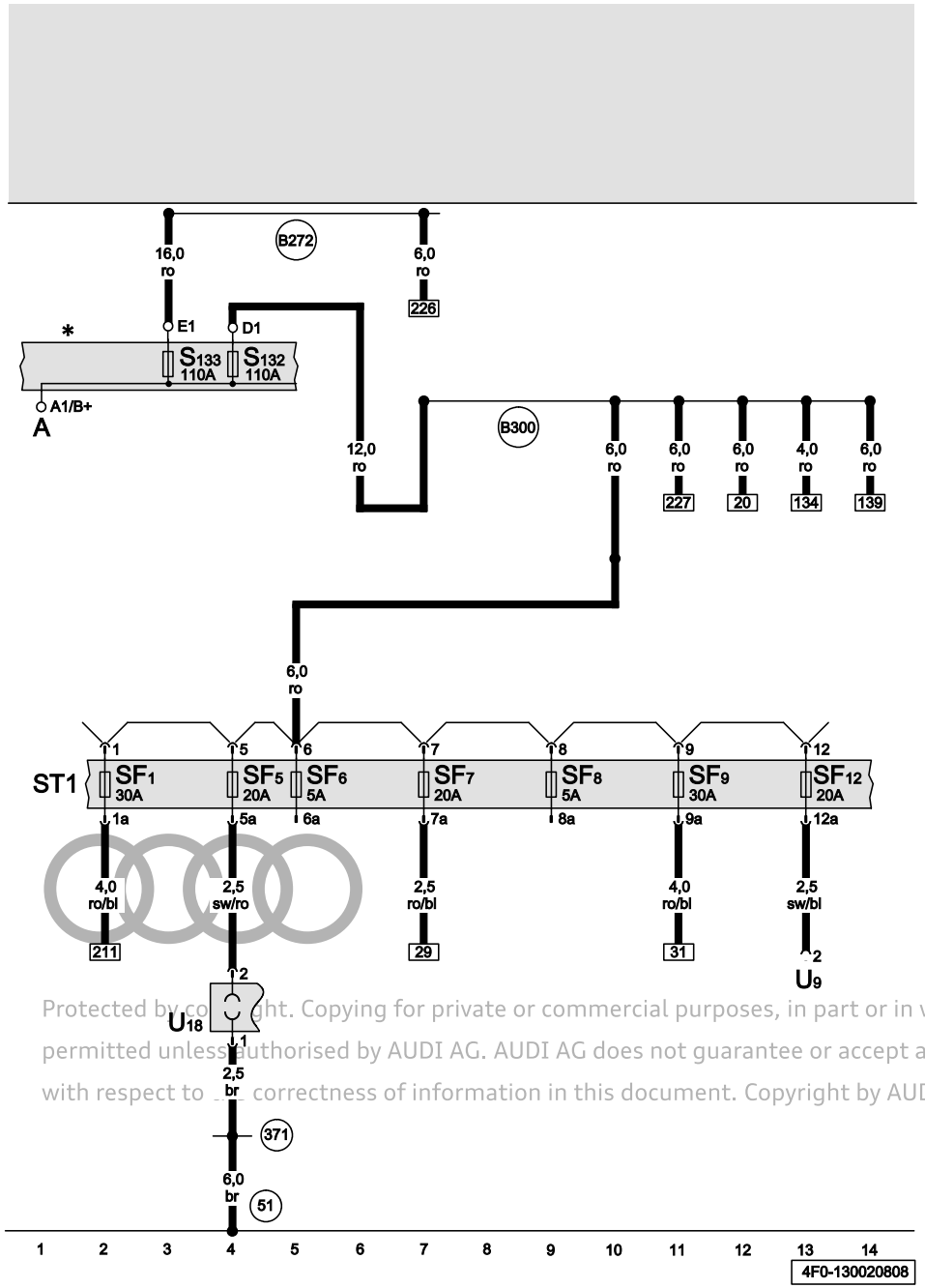
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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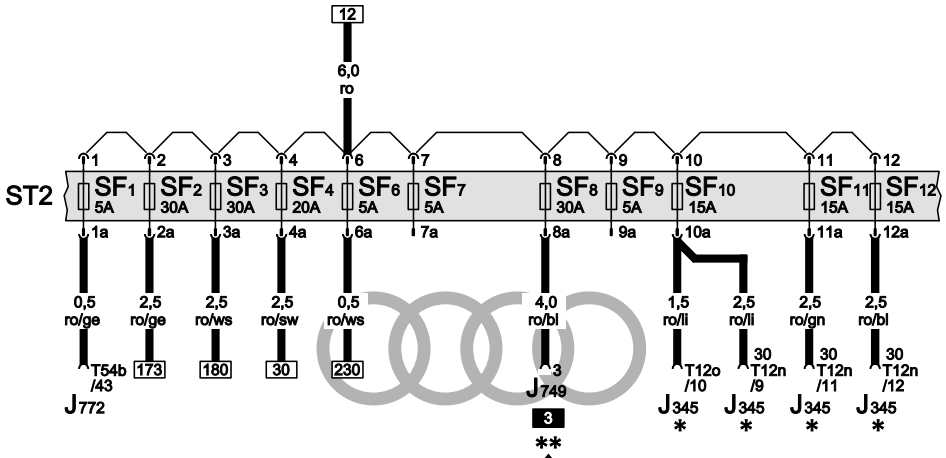


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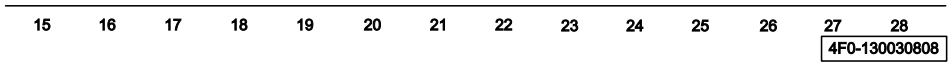
Voltage supply, fuses

A	Battery
S132	Fuse 2
S133	Fuse 3
SF1	Fuse 1 on fuse holder F
SF5	Fuse 5 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
SF8	Fuse 8 on fuse holder F
SF9	Fuse 9 on fuse holder F
SF12	Fuse 12 on fuse holder F
U9	Rear cigarette lighter
U18	12 V socket 2
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery

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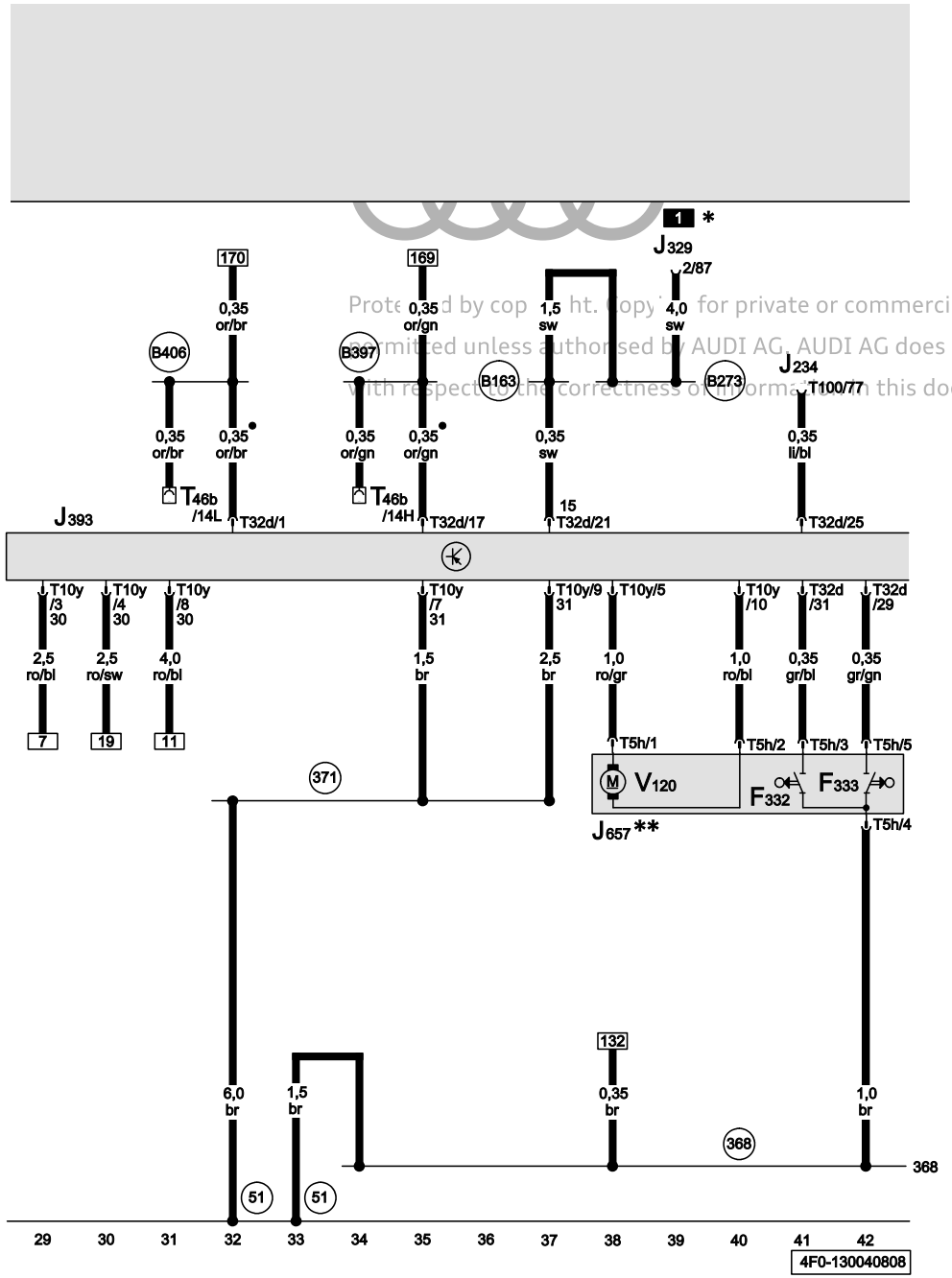
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Fuses

J345	Trailer detector control unit
J749	Fuel pump relay for auxiliary heater
J772	Reversing camera system control unit
SF1	Fuse 1 on fuse holder F
SF2	Fuse 2 on fuse holder F
SF3	Fuse 3 on fuse holder F
SF4	Fuse 4 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
SF8	Fuse 8 on fuse holder F
SF9	Fuse 9 on fuse holder F
SF10	Fuse 10 on fuse holder F
SF11	Fuse 11 on fuse holder F
SF12	Fuse 12 on fuse holder F
T12n	12-pin connector, red, connector B, on trailer detector control unit
T12o	12-pin connector, blue, connector C, on trailer detector control unit
T54b	54-pin connector, on reversing camera system control unit
*	models with trailer towing attachment
**	models with auxiliary heater
♦	Relay and fuse carrier right in luggage compartment

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Convenience system central control unit, power latching control unit, rear lid lock motor

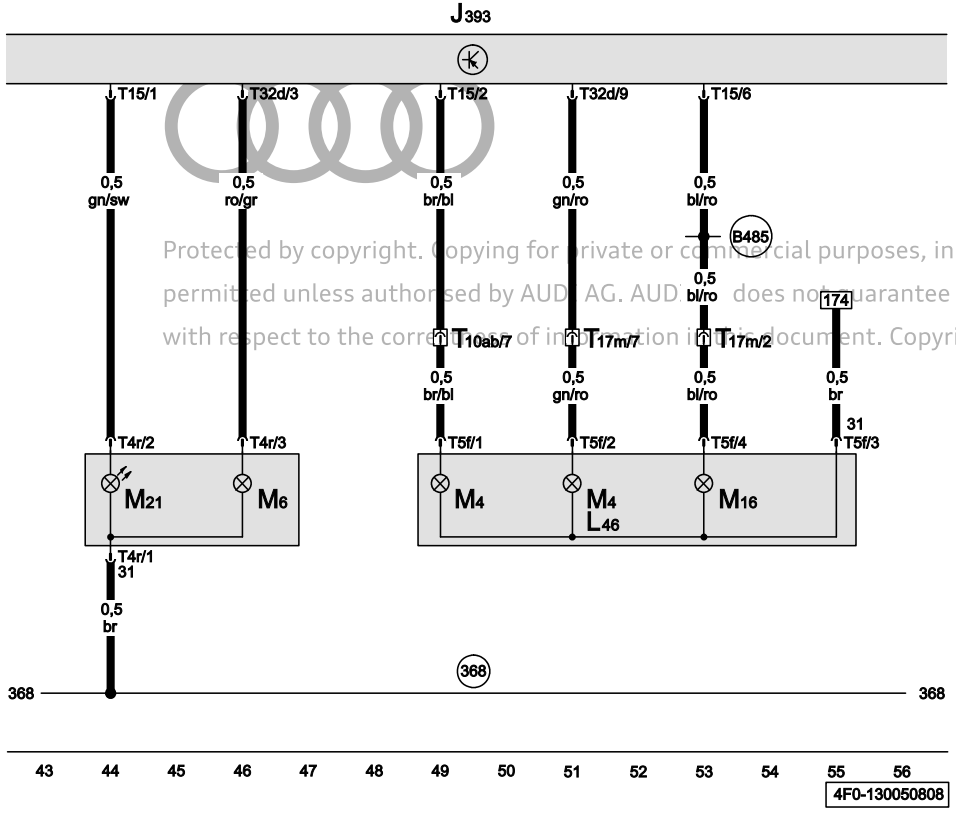
F332	Power latching system limit switch, luggage compartment unlocked
F333	Power latching system limit switch, luggage compartment locked
J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J393	Convenience system central control unit
J657	Power latching control unit
T5h	5-pin connector, black, on power latching control unit rear lid
T10y	10-pin connector, black, connector C, on convenience system control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T46b	46-pin connector, CAN disconnector right
T100	100-pin connector, blue, on airbag control unit
V120	Rear lid lock motor
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
371	Earth connection 6, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), 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
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	models with power latching rear lid

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Convenience system central control unit, left tail light Lowline

J393	Convenience system central control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
T4r	4-pin connector, black, on left tail light
T5f	5-pin connector, black, on left tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B485	Connection 21, in main wiring harness



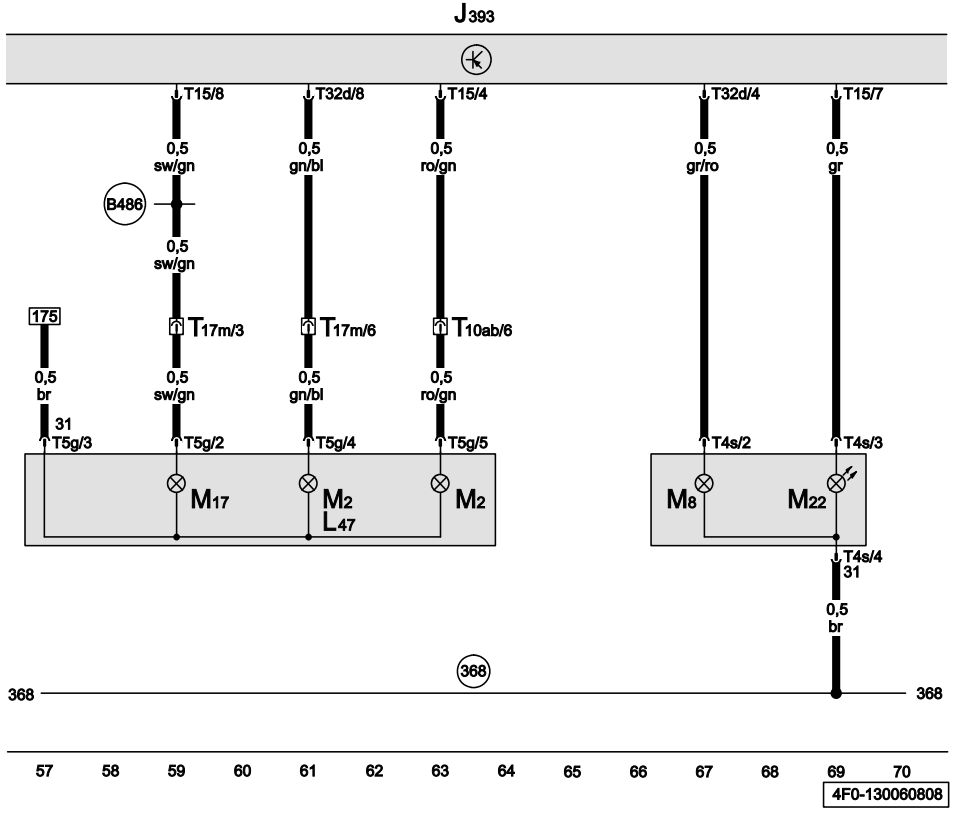
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Convenience system central control unit, right tail light Lowline

J393	Convenience system central control unit
L47	Rear right fog light bulb
M2	Right tail light bulb
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
T4s	4-pin connector, black, on right tail light
T5g	5-pin connector, black, on right tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B486	Connection 22 in main wiring harness

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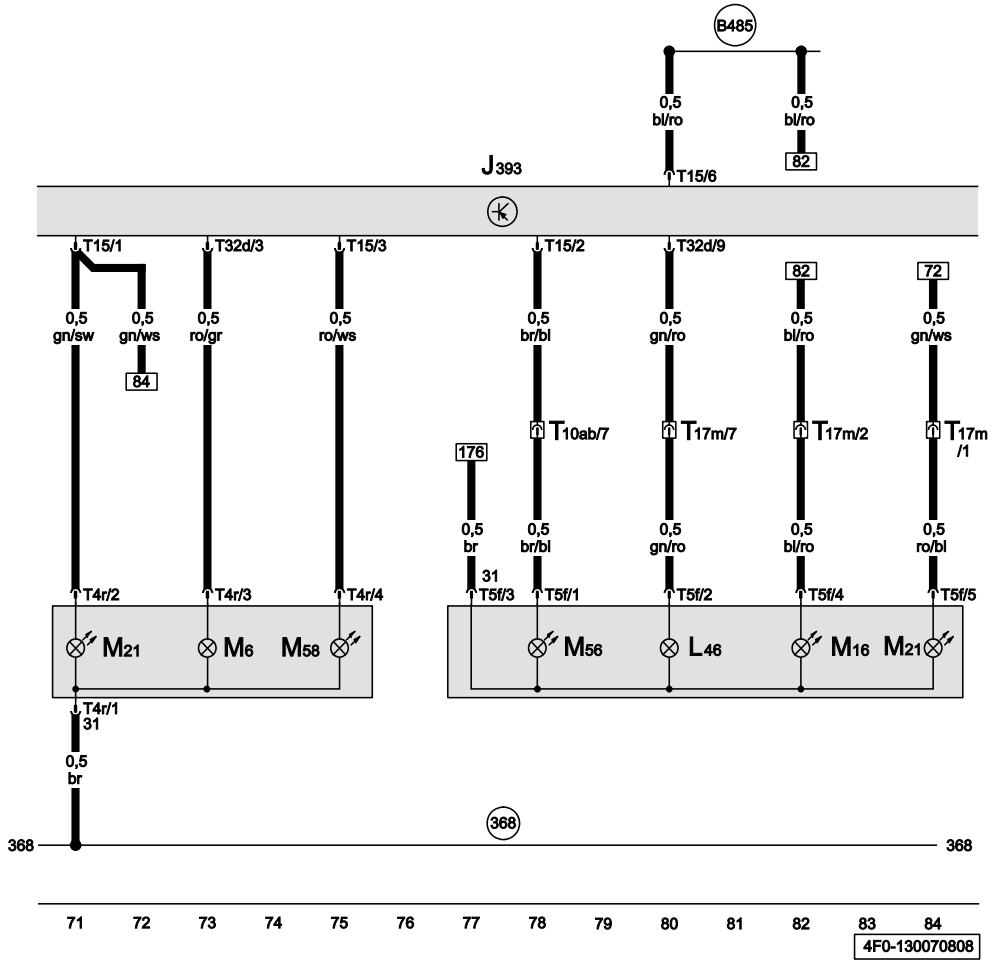


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Convenience system central control unit, left tail light Highline

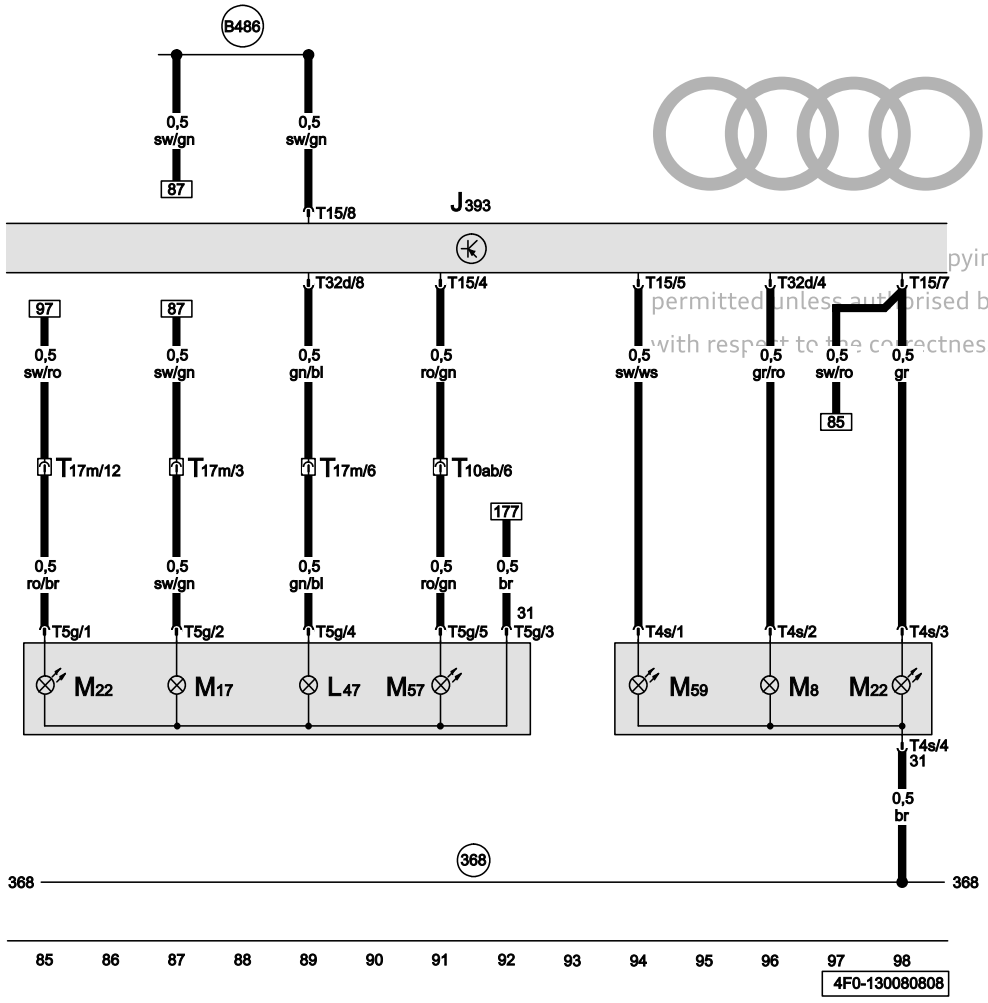
J393	Convenience system central control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
M56	Left brake and turn signal bulb
M58	Left brake and tail light bulb 2
T4r	4-pin connector, black, on left tail light
T5f	5-pin connector, black, on left tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B485	Connection 21, in main wiring harness



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Convenience system central control unit, right tail light Highline

J393	Convenience system central control unit
L47	Rear right fog light bulb
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
M57	Right brake and turn signal bulb
M59	Right brake and tail light bulb 2
T4s	4-pin connector, black, on right tail light
T5g	5-pin connector, black, on right tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B486	Connection 22 in main wiring harness

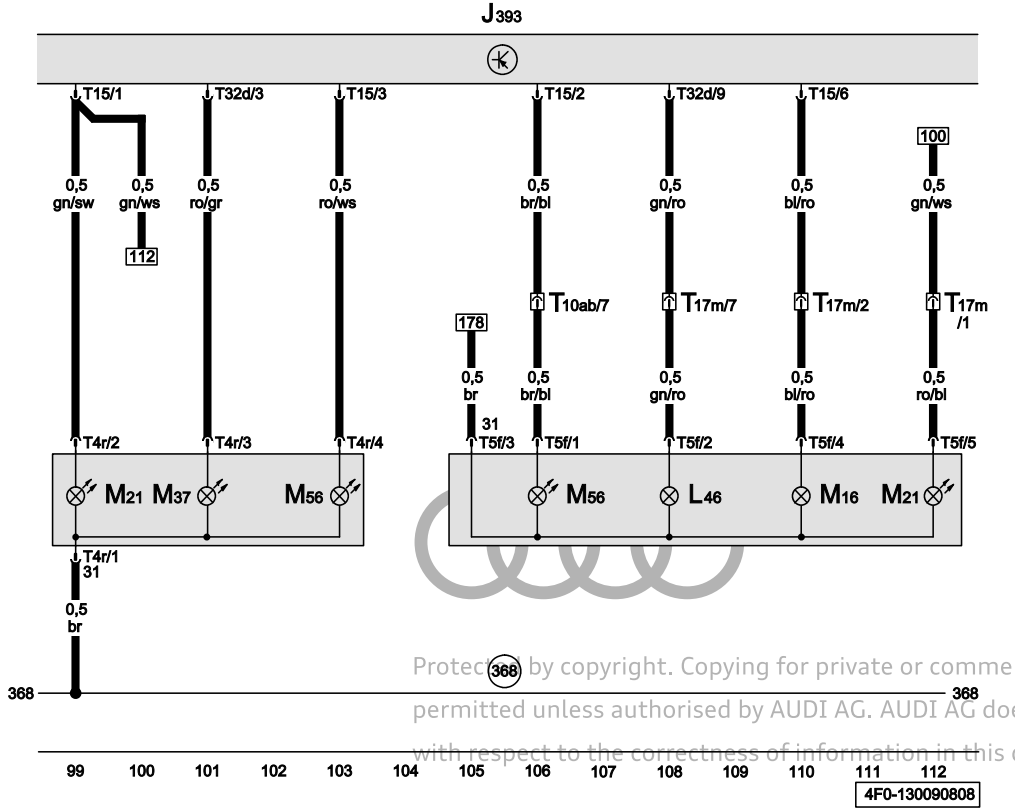


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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Convenience system central control unit, left tail light USA

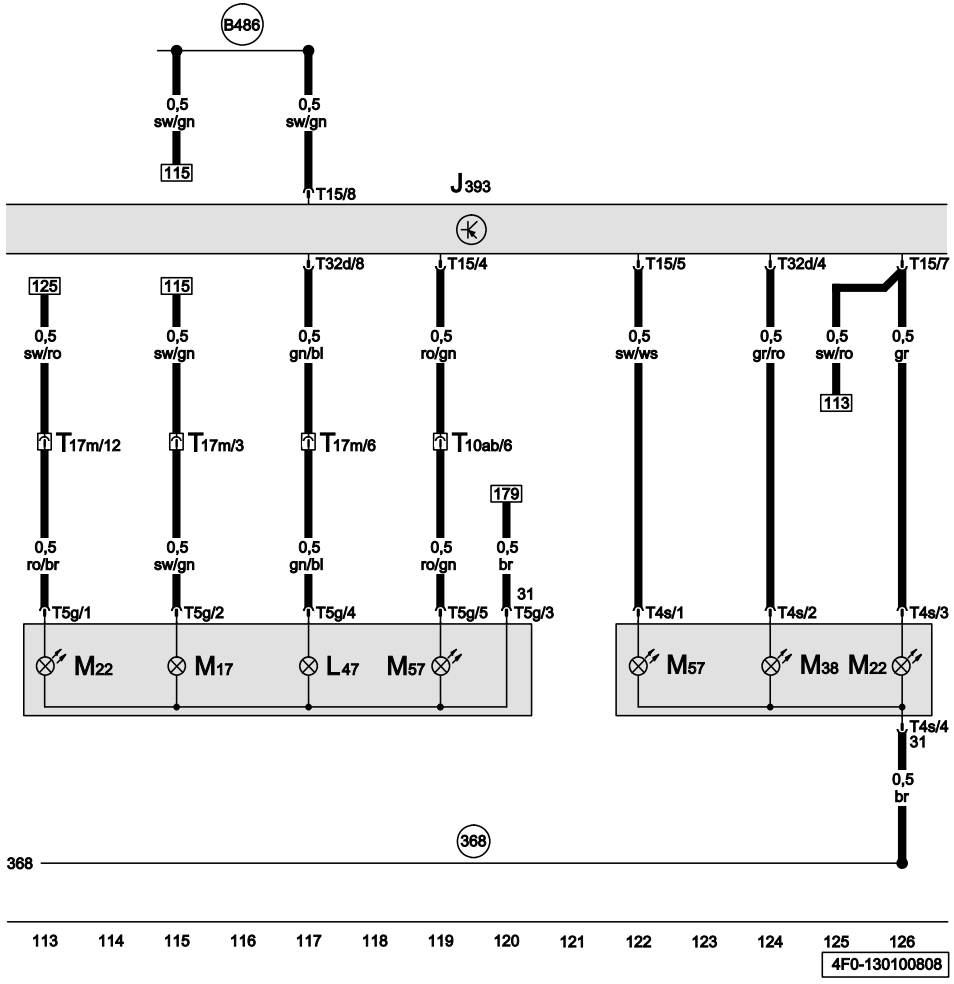
J393	Convenience system central control unit
L46	Rear left fog light bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
M37	Rear left side marker bulb
M56	Left brake and turn signal bulb
T4r	4-pin connector, black, on left tail light
T5f	5-pin connector, black, on left tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness



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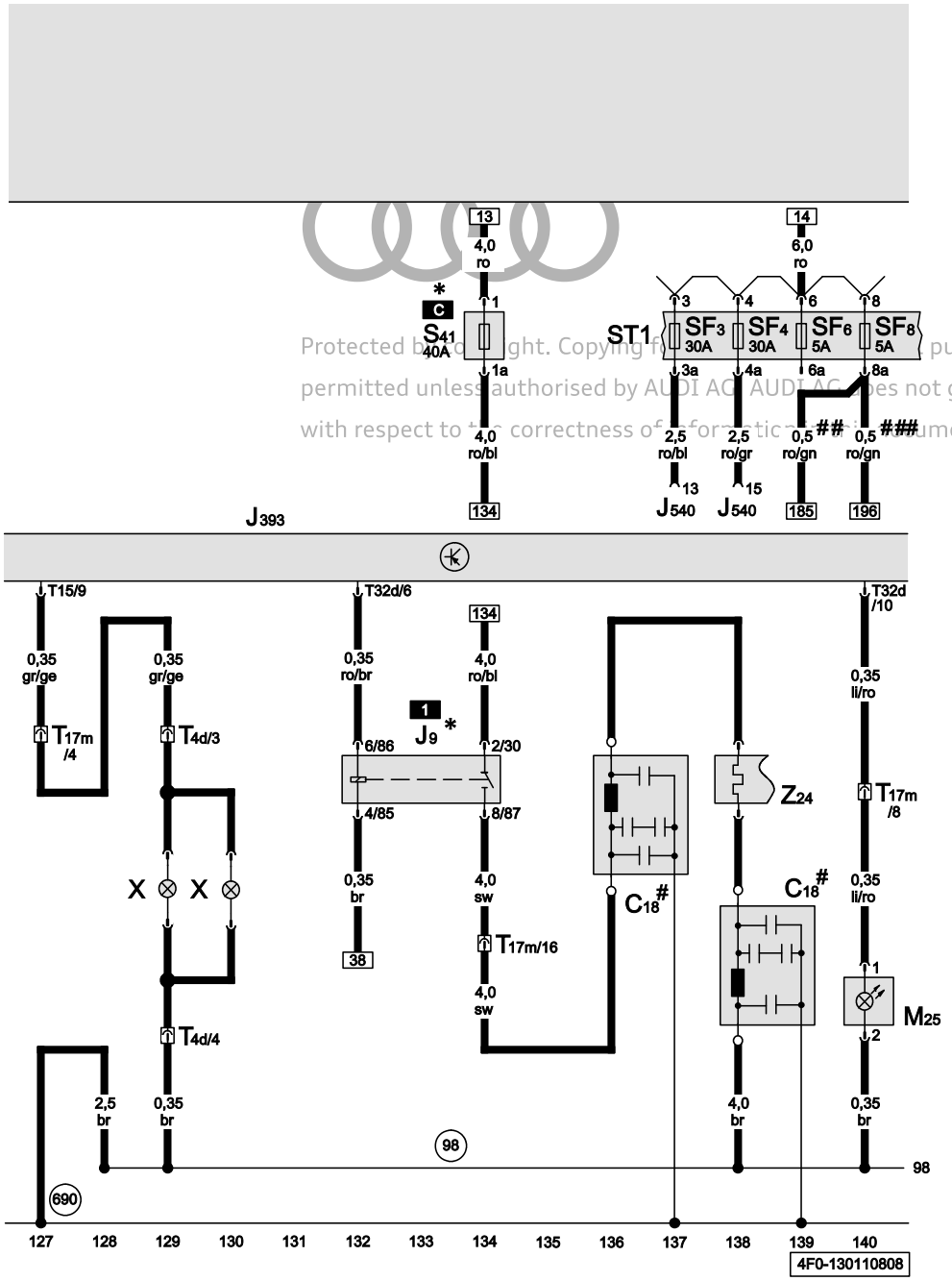


Convenience system central control unit, left tail light and right USA

J393	Convenience system central control unit
L47	Rear right fog light bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
M38	Rear right side marker bulb
M57	Right brake and turn signal bulb
T4s	4-pin connector, black, on right tail light
T5g	5-pin connector, black, on right tail light, rear lid
T10ab	10-pin connector, brown, coupling station on right D-pillar
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
368	Earth connection 3, in main wiring harness
B486	Connection 22 in main wiring harness

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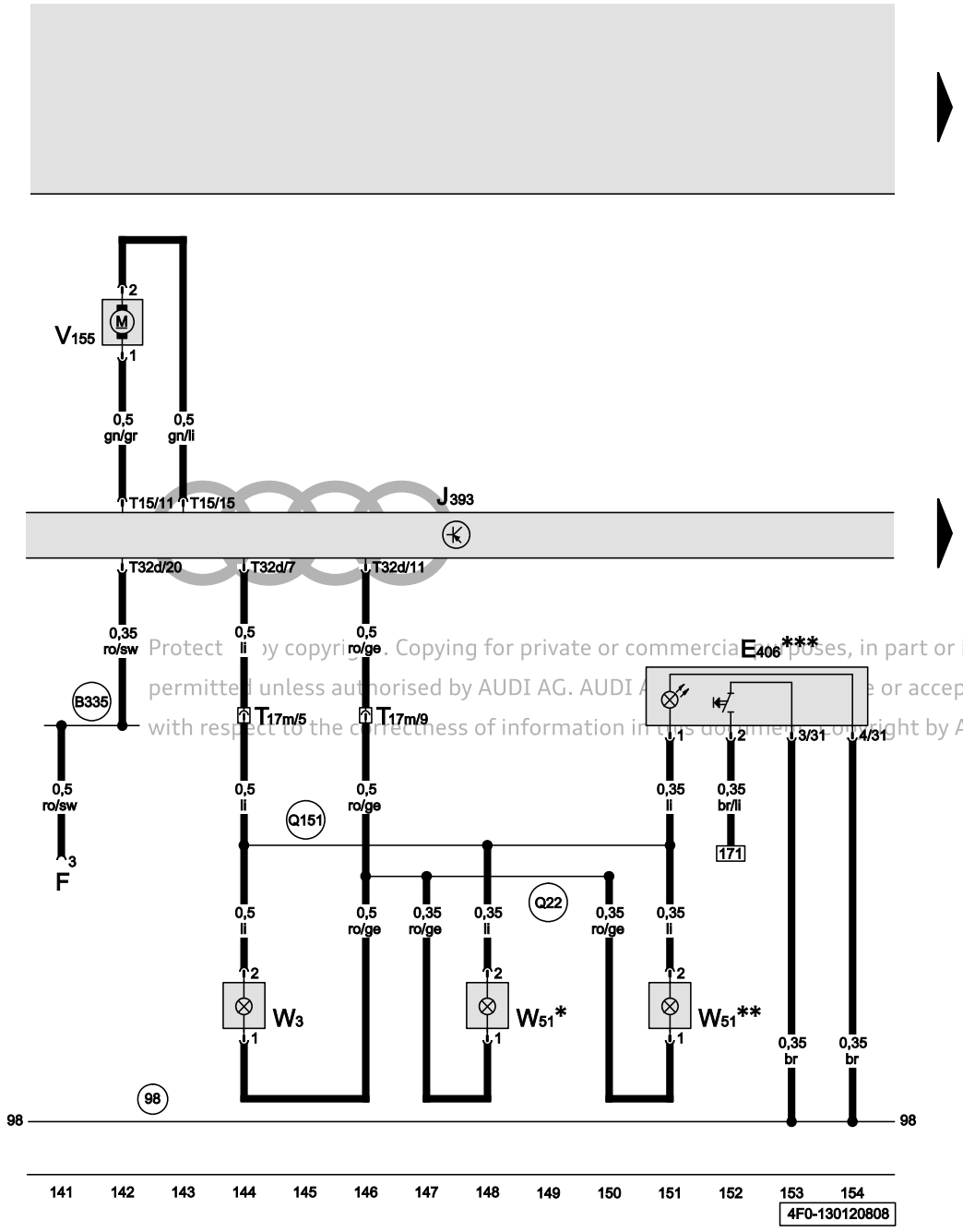
Convenience system central control unit, heated rear window relay, high level brake light bulb, number plate light



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C18	Window aerial suppression filter
J9	Heated rear window relay
J393	Convenience system central control unit
J540	Control unit for electromechanical parking brake
M25	High level brake light bulb
S41	Heated rear window fuse
SF3	Fuse 3 on fuse holder F
SF4	Fuse 4 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF8	Fuse 8 on fuse holder F
T4d	4-pin connector, black, rear lid
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
X	Number plate light
Z24	Heated rear window with window aerial
98	Earth connection, in rear lid wiring harness
690	Earth point, rear centre roof frame
*	Relay and fuse carrier right in luggage compartment
#	not for MMI Basic
##	models with anti-theft alarm
###	models with anti-theft alarm and interior monitor

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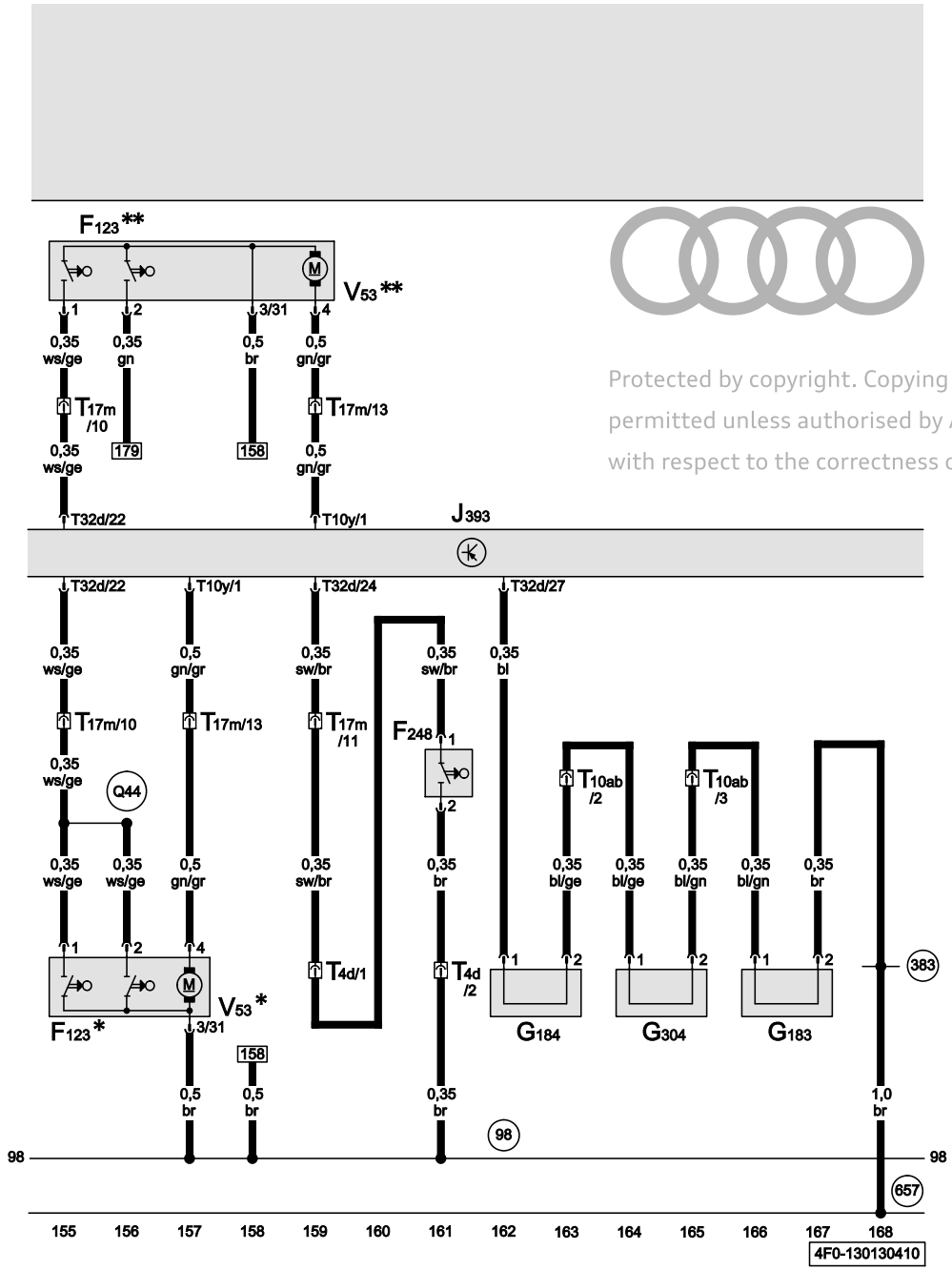


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rs = pink

Convenience system central control unit, button to close rear lid in luggage compartment, luggage compartment light, rear lid light

E406	Button to close rear lid in luggage compartment
F	Brake light switch
J393	Convenience system central control unit
T15	15-pin connector, brown, connector A, on convenience system central control unit
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V155	Tank filler flap locking motor
W3	Luggage compartment light
W51	Rear lid light
98	Earth connection, in rear lid wiring harness
B335	Connection 1 (54), in main wiring harness
Q22	Connection 1, in rear lid wiring harness
Q151	Connection (interior light), in rear lid wiring harness
*	left
**	right
***	models with electric rear lid release



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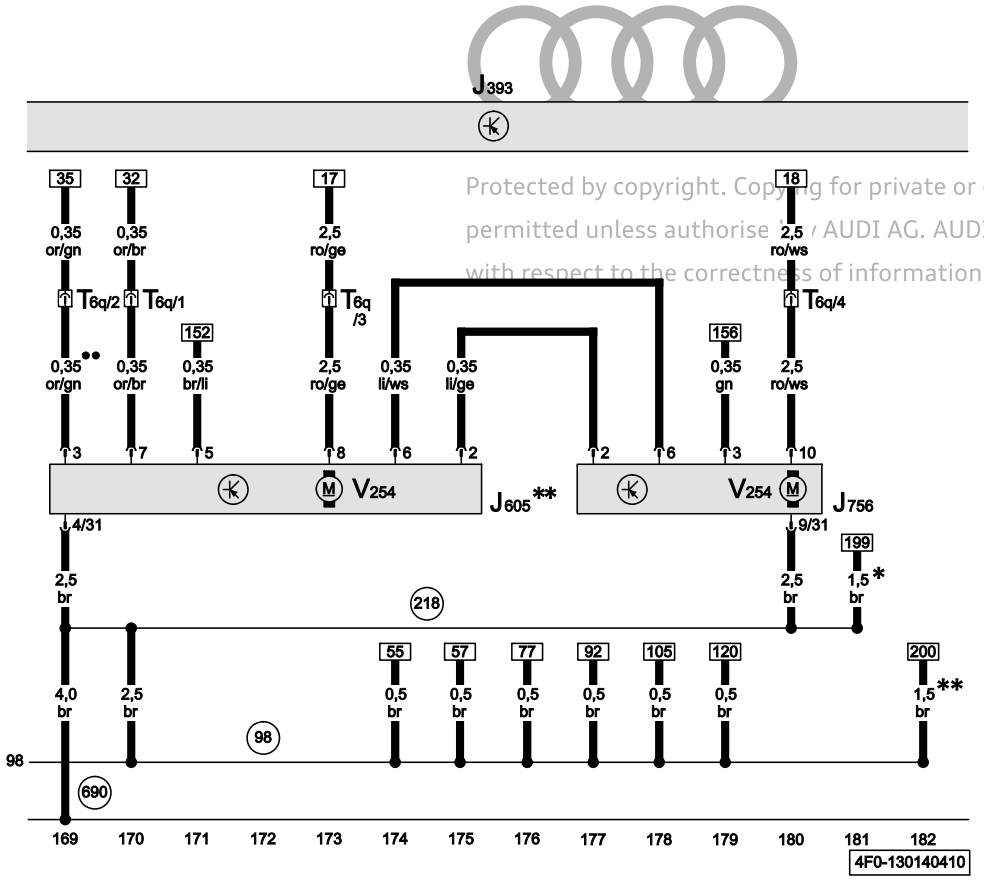
Convenience system central control unit, rear lid contact switch for anti-theft alarm, release button for rear lid lock cylinder, rear left and right side window glass breakage sensor, glass breakage sensor for rear window, rear lid central locking motor

F123	Rear lid contact switch for anti-theft alarm system
F248	Release button for rear lid lock cylinder
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
T4d	4-pin connector, black, rear lid
T10y	10-pin connector, black, connector C, on convenience system control unit
T10ab	10-pin connector, brown, coupling station on right D-pillar
T17m	17-pin connector, black, coupling station on right D-pillar
T32d	32-pin connector, blue, connector B, on convenience system central control unit
V53	Rear lid central locking motor
98	Earth connection, in rear lid wiring harness
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
Q44	Connection 2, in rear lid wiring harness
*	models without electric rear lid release
**	models with electric rear lid release

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Convenience system central control unit, rear lid control unit, rear lid electric release motor

J393	Convenience system central control unit
J605	Rear lid control unit
J756	Rear lid control unit 2
T6q	6-pin connector, red, coupling station on right D-pillar
V254	Rear lid electric release motor
98	Earth connection, in rear lid wiring harness
218	Earth connection 1, in rear lid wiring harness
690	Earth point, rear centre roof frame
•	CAN bus (data wire)
*	models with electric rear lid release
**	models without electric rear lid release

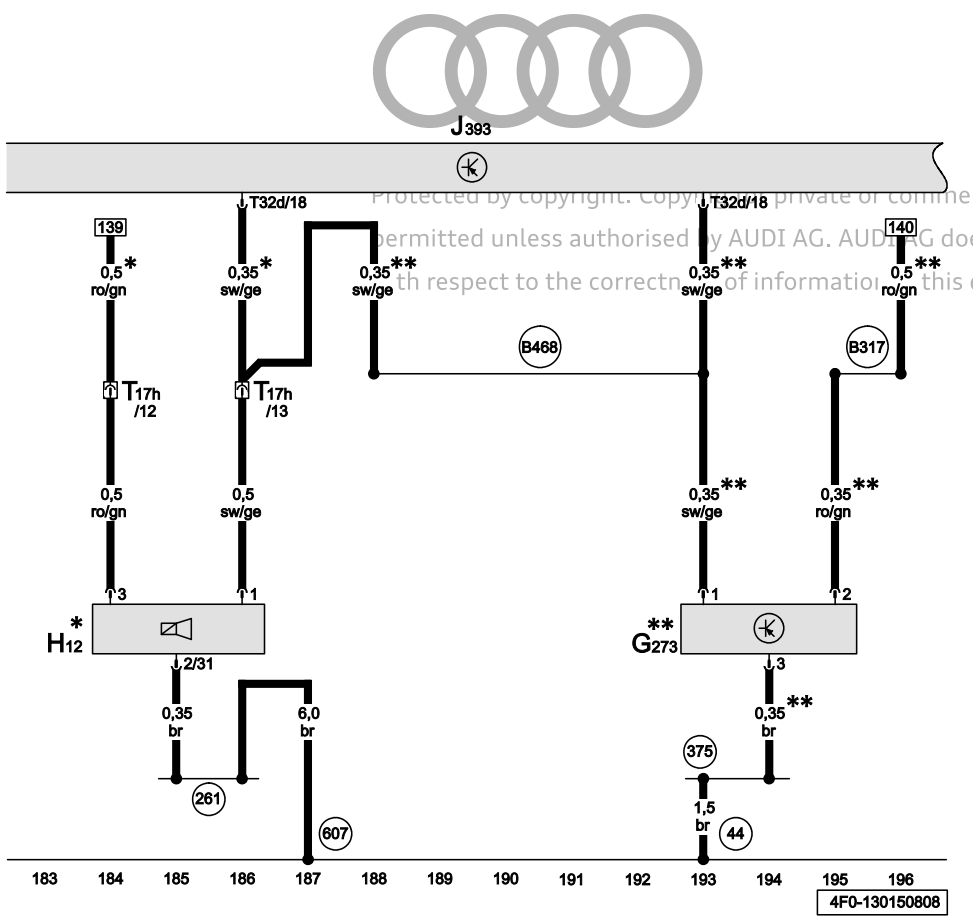


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Convenience system central control unit, alarm horn, interior monitoring sensor

G273	Interior monitoring sensor
H12	Alarm horn
J393	Convenience system central control unit
T17h	17-pin connector, orange, coupling station on electronics box, left in plenum chamber
T32d	32-pin connector, blue, connector B, on convenience system central control unit
44	Earth point, lower part of left A-pillar
261	Earth connection, in heated washer jet wiring harness
375	Earth connection 10, in main wiring harness
607	Earth point, on left in plenum chamber
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4, in main wiring harness
*	models with anti-theft alarm
**	models with anti-theft alarm and interior monitor

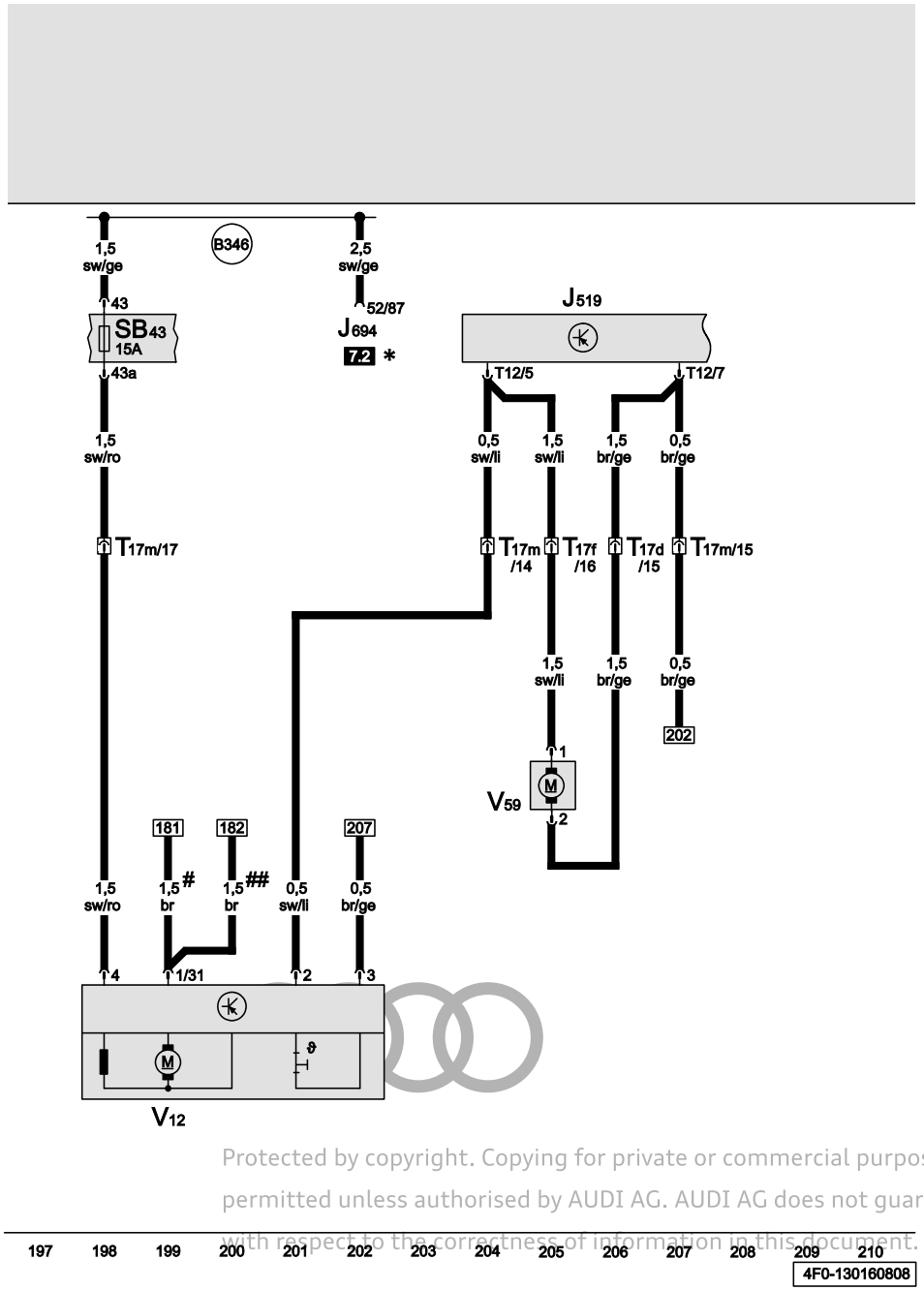


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Rear window wiper motor, windscreen and rear window washer pump

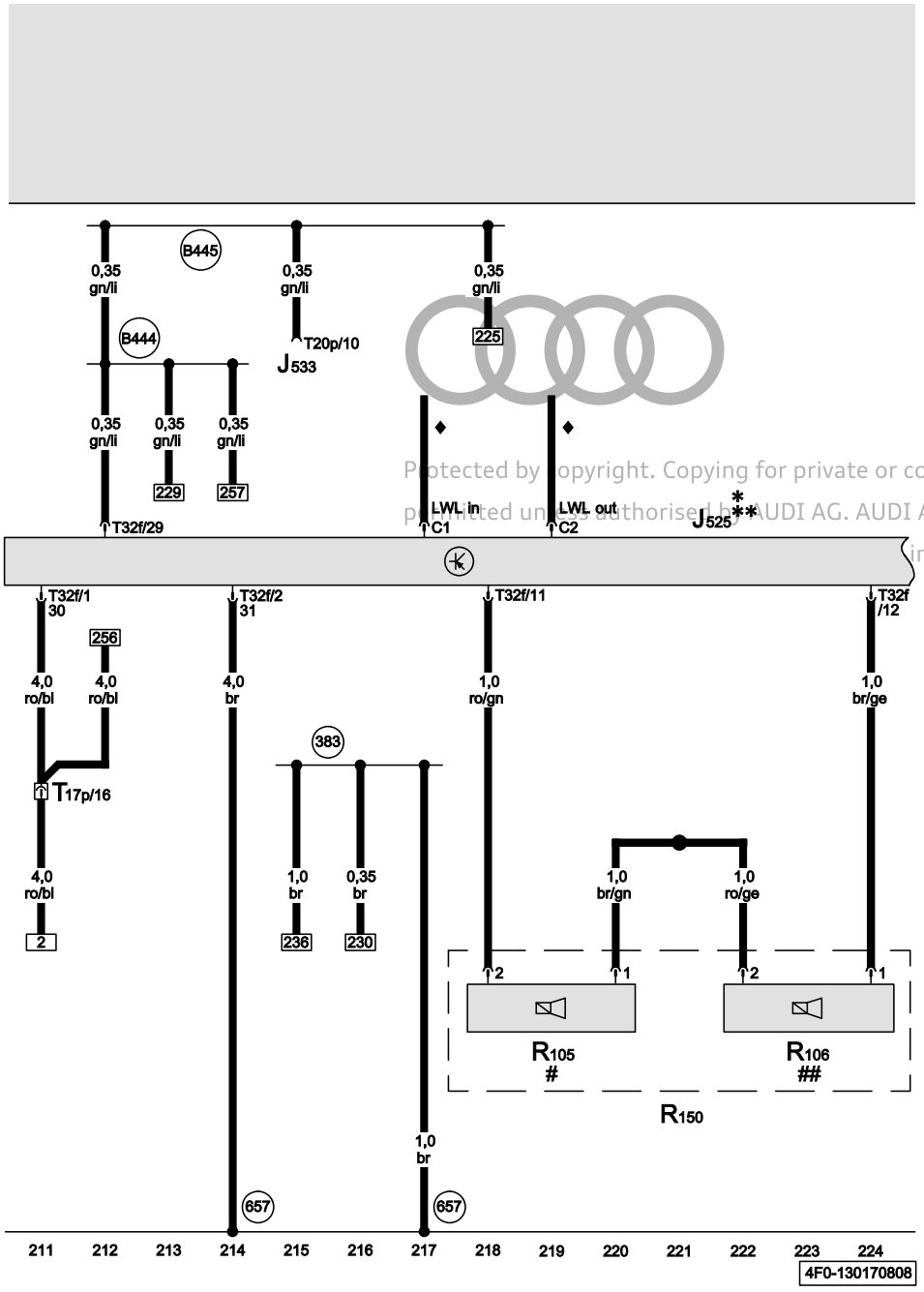
J519	Onboard supply control unit
J694	Terminal 75x voltage supply relay
SB43	Fuse 43 on fuse holder B
T12	12-pin connector, black, connector B, on onboard power supply control unit
T17d	17-pin connector, black, coupling station on left A-pillar
T17f	17-pin connector, green, coupling station on left A-pillar
T17m	17-pin connector, black, coupling station on right D-pillar
V12	Rear window wiper motor
V59	Windscreen and rear window washer pump
B346	Connection 1 (75), in main wiring harness
*	9-point relay carrier, behind driver storage compartment
#	models with electric rear lid release
##	models without electric rear lid release



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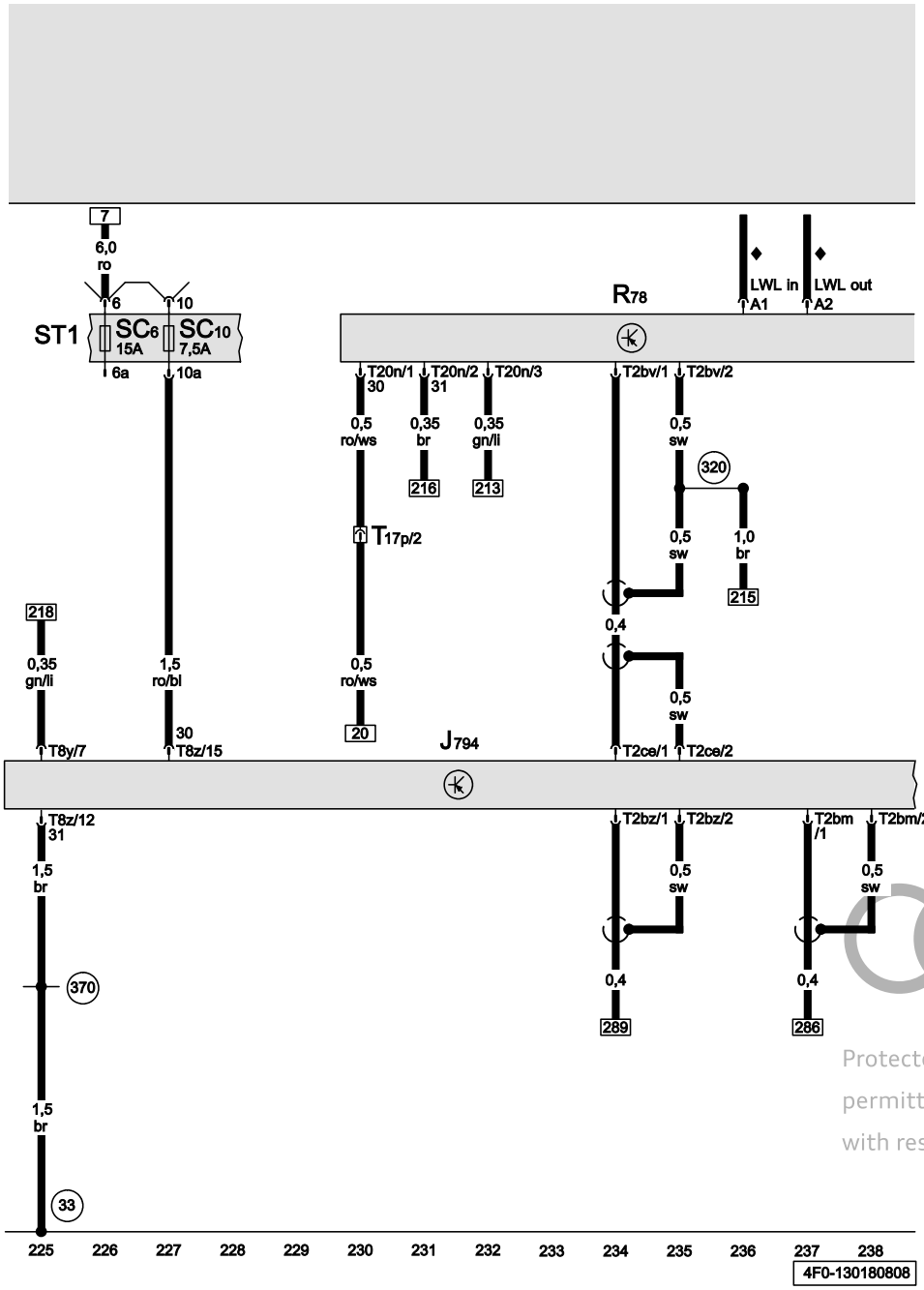
Digital sound package control unit, rear left and right D-pillar mid-range loudspeaker



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J525	Digital sound package control unit
J533	Data bus diagnostic interface
R105	Rear left mid-range loudspeaker
R106	Rear right mid-range loudspeaker
R150	Loudspeaker in rear shelf
T17p	17-pin connector, black, in left luggage compartment
T20p	20-pin connector, black, on data bus diagnostic interface
T32f	32-pin connector, black, connector A, on digital sound package control unit
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
*	on left in luggage compartment
**	only BOSE sound system
#	in left D-pillar
##	in right D-pillar
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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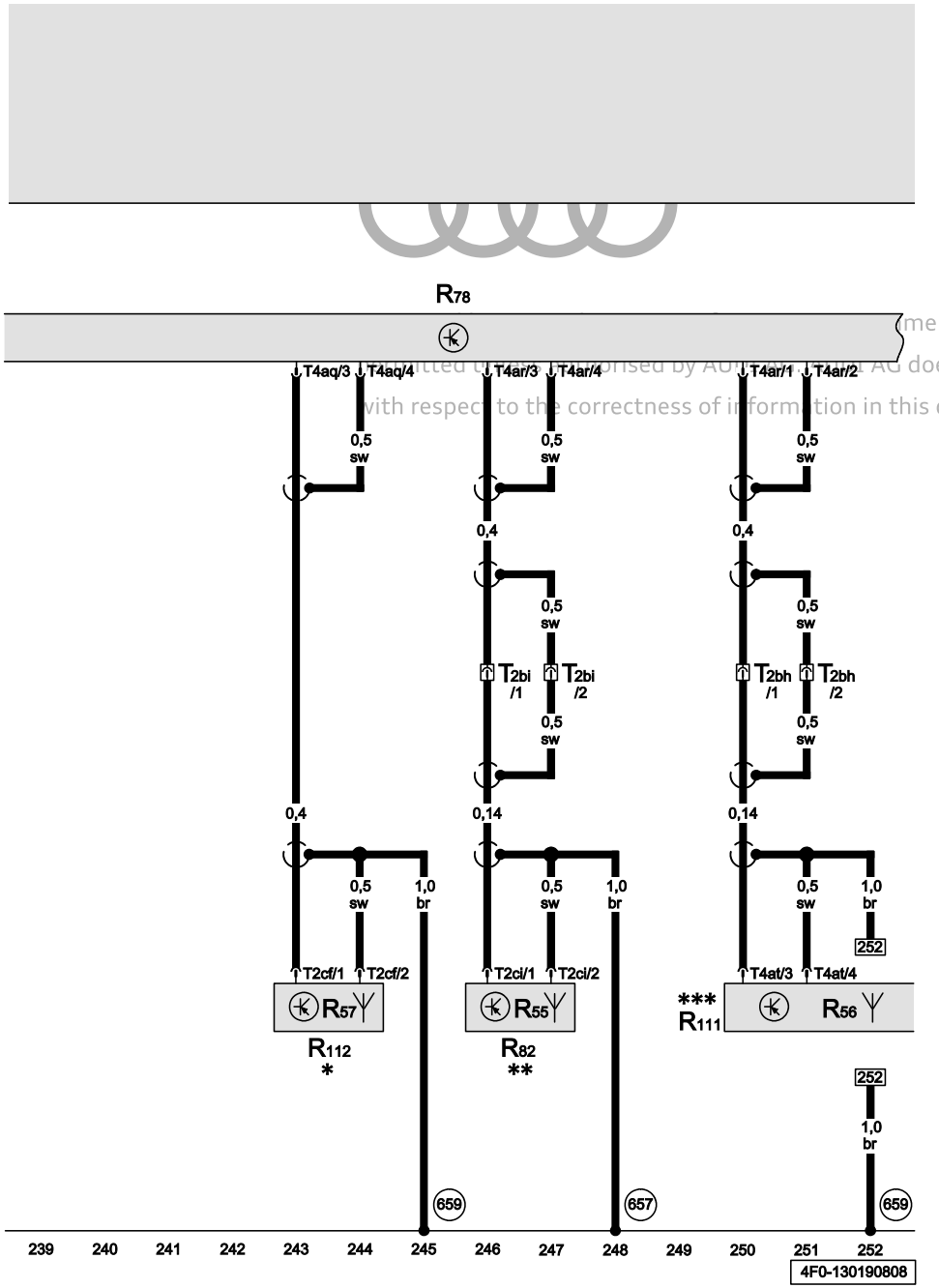
Front information display and operating unit control unit, TV tuner, fuses

J794	Control unit for information electronics 1
R78	TV tuner
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
T2bm	2-pin connector, blue, connector F, on control unit for information electronics 1
T2bv	2-pin connector, green, on TV tuner
T2bz	2-pin connector, purple, on control unit for information electronics 1
T2ce	2-pin connector, green, on control unit for information electronics 1
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T17p	17-pin connector, black, in left luggage compartment
T20n	20-pin connector, red, connector B, on TV tuner
33	Earth point, on right behind dash panel
320	Earth connection (screening 1, TV), in communication wiring harness
370	Earth connection 5, in main wiring harness
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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TV tuner, TV aerial 1 up to 3, aerial amplifier 1 for TV, aerial amplifier 2 and 3

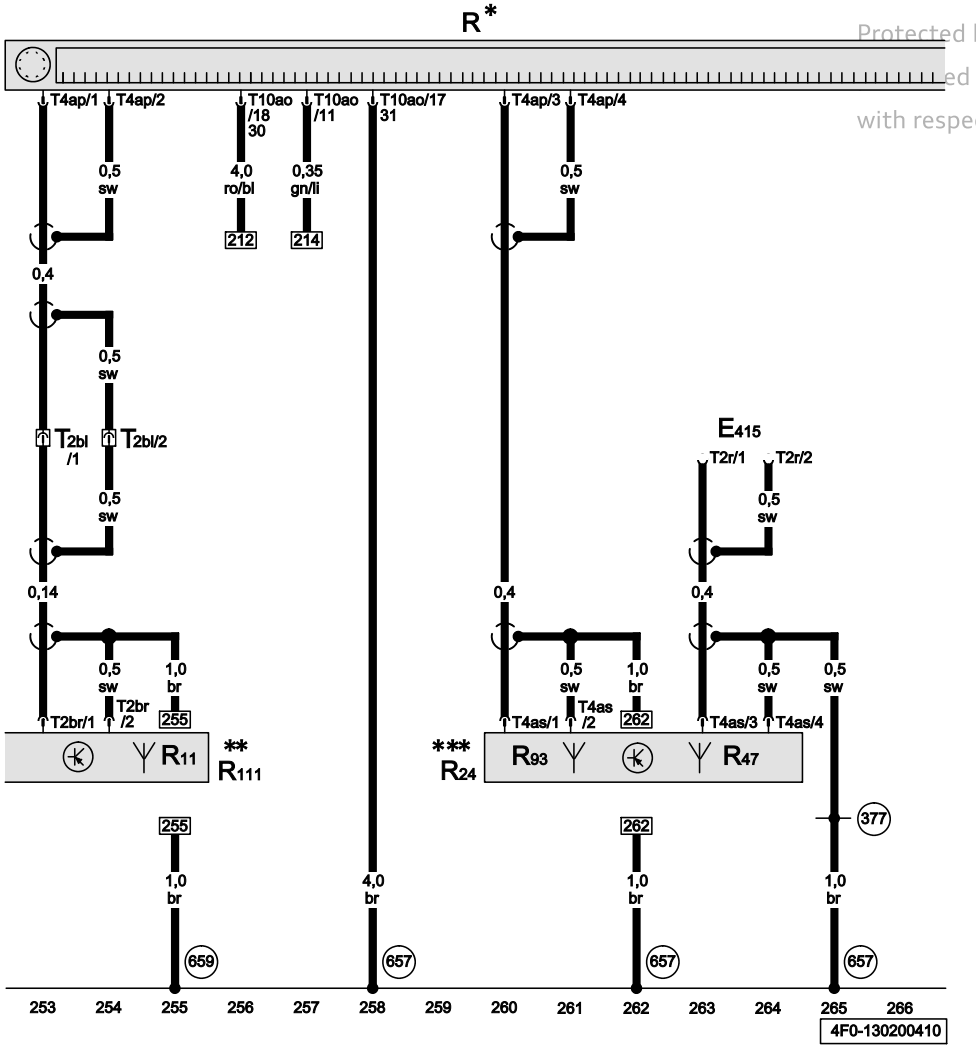


R55	TV aerial 1
R56	TV aerial 2
R57	TV aerial 3
R78	TV tuner
R82	Aerial amplifier 1 for TV
R111	Aerial amplifier 2
R112	Aerial amplifier 3
T2bh	2-pin connector, green, left of D-pillar
T2bi	2-pin connector, brown, left of D-pillar
T2cf	2-pin connector, brown, on aerial amplifier 3 #
T2ci	2-pin connector, brown, on aerial amplifier 1 for TV ##
T4aq	4-pin connector, green, connector C, on TV tuner
T4ar	4-pin connector, brown, connector D, on TV tuner
T4at	4-pin connector, yellow, on aerial amplifier 2 ###
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
*	right side window
**	left rear window
***	right rear window
#	connector colour Japan green
##	connector colour Japan purple
###	connector colour Japan white

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Radio, aerial amplifier, central locking and anti-theft alarm system aerial

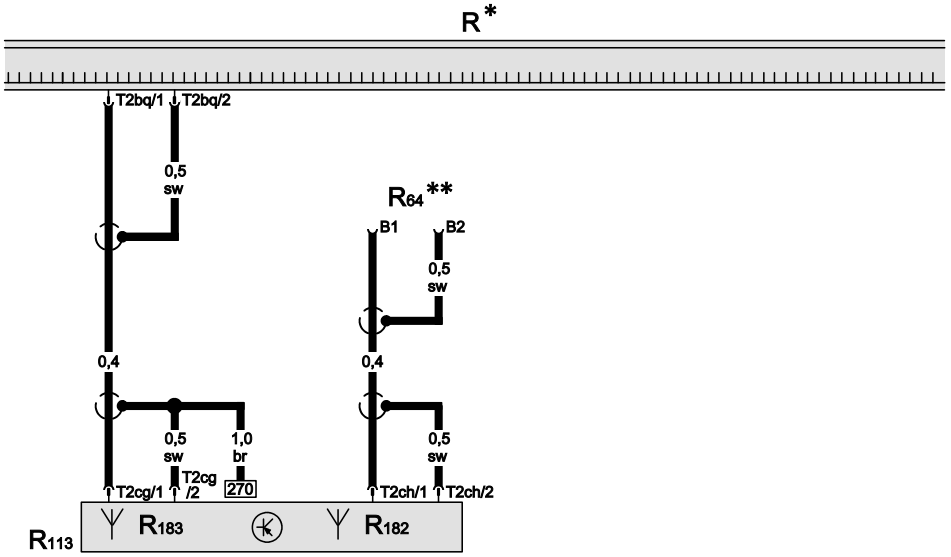


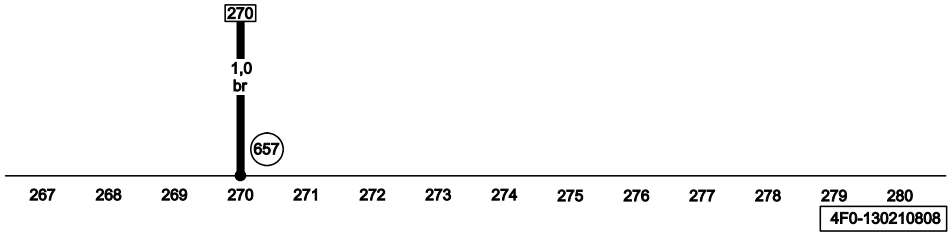
E415	Entry and start authorisation switch
R	Radio
R11	Aerial
R24	Aerial amplifier
R47	Central locking and anti-theft alarm system aerial
R93	Radio aerial 2
R111	Aerial amplifier 2
T2r	2-pin connector, connector D, on entry and start authorisation switch
T2bl	2-pin connector, beige, left of D-pillar
T2br	2-pin connector, yellow, on aerial amplifier 2
T4ap	4-pin connector, white, connector F, on radio
T4as	4-pin connector, white, on aerial amplifier (Avant)
T10ao	10-pin connector, black, connector D, on radio
377	Earth connection 12, in main wiring harness
657	Earth point 1, on left near rear window
659	Earth point 1, on right near rear window
*	models with soundsystem standard (9VD)
**	right rear window
***	under left side window

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gn	=	green
bl	=	blue
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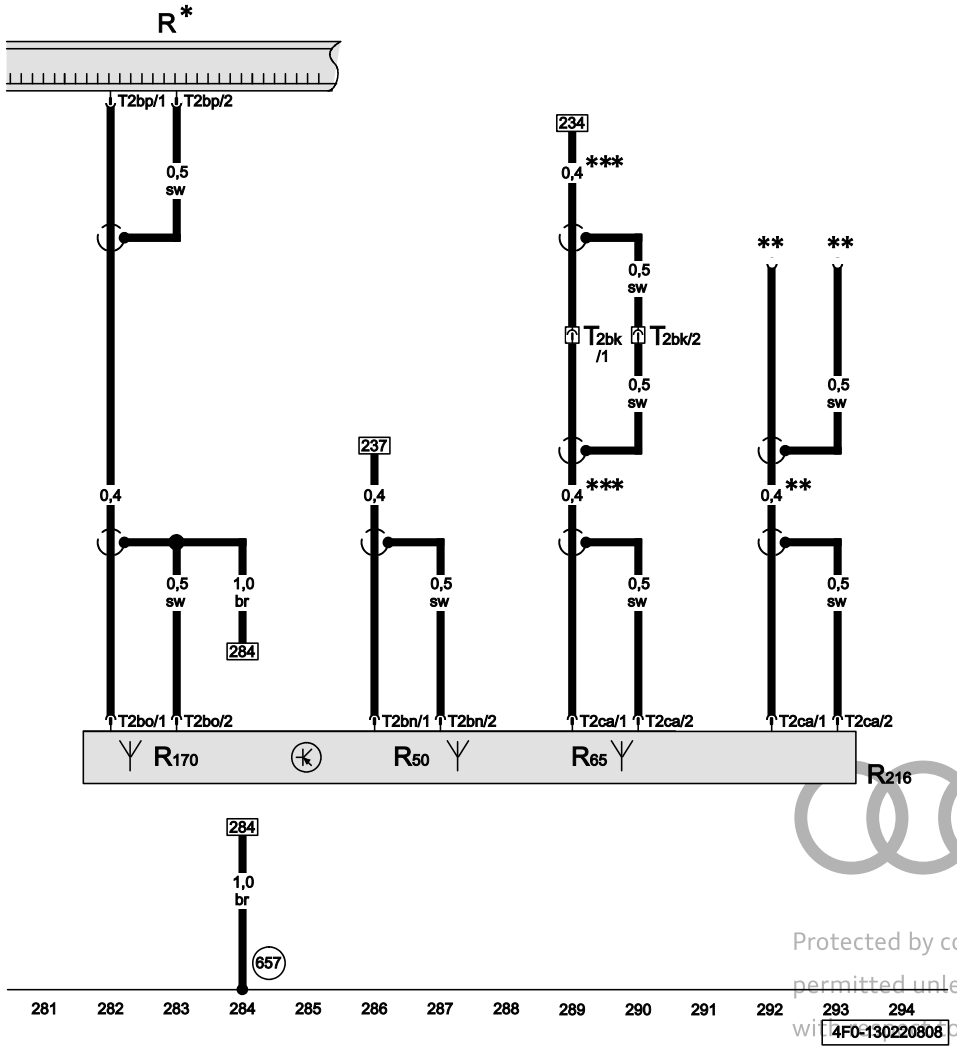




Radio, aerial amplifier 4

R	Radio
R64	Remote control receiver for auxiliary heater
R113	Aerial amplifier 4
R182	Auxiliary heater aerial
R183	Digital radio aerial
T2bq	2-pin connector, black, connector G, on radio
T2cg	2-pin connector, black, on aerial amplifier 4
T2ch	4-pin connector, yellow, on aerial amplifier 2
657	Earth point 1, on left near rear window
*	models with soundsystem standard (9VD)
**	models with auxiliary heater

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Radio, roof aerial

R	Radio
R50	Navigation system aerial
R65	Telephone aerial
R170	Satellite aerial
R216	roof aerial
T2bk	2-pin connector, purple, right of D-pillar
T2bn	2-pin connector, blue, on roof aerial
T2bo	2-pin connector, white, on roof aerial
T2bp	2-pin connector, green, connector G, on radio
657	Earth point 1, on left near rear window
*	models with soundsystem standard (9VD)
**	models with telephone (9ZF, 9ZG)
***	models with telephone (9ZW)

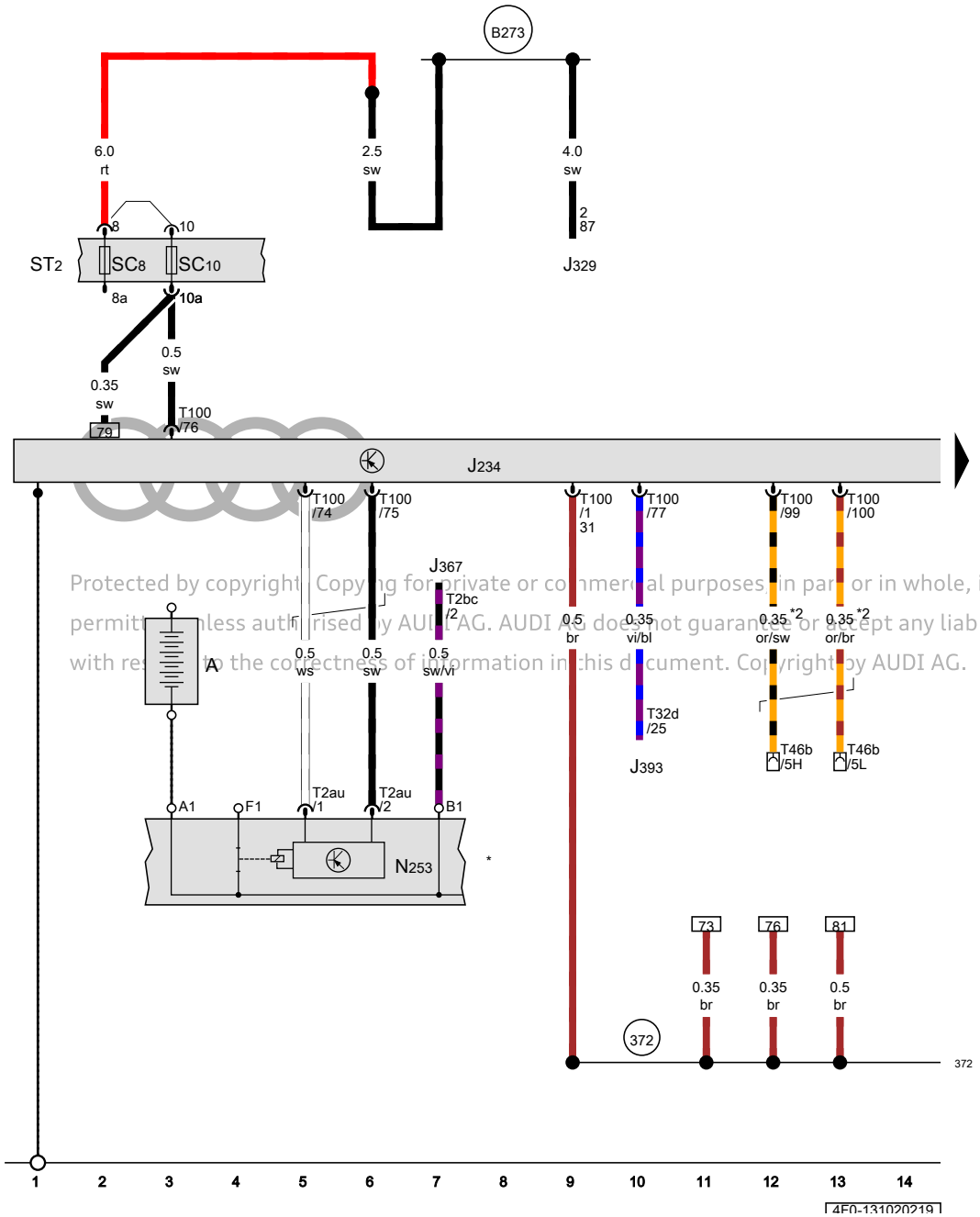
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Airbag systems

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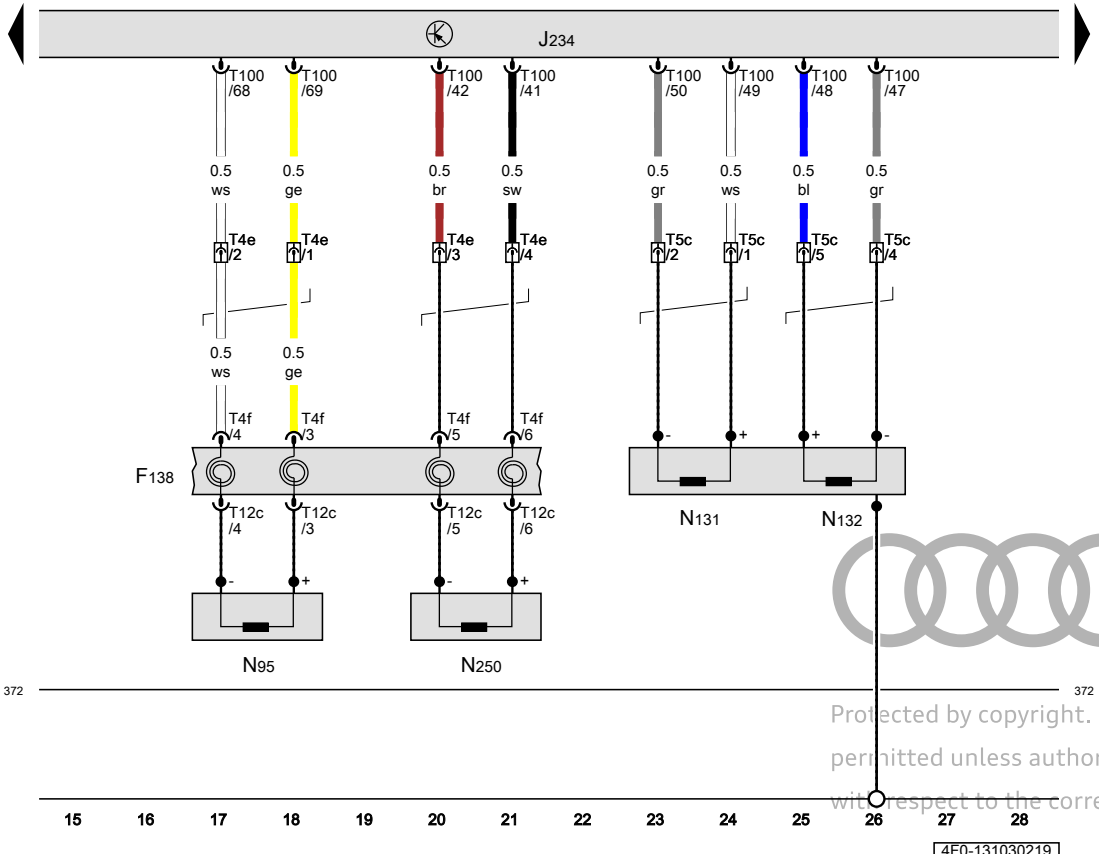
Airbag control unit, Battery isolation igniter

A	Battery
J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J367	Battery monitor control unit
J393	Convenience system central control unit
N253	Battery isolation igniter
ST2	Fuse carrier 2
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
T2au	2-pin connector
T2bc	2-pin connector
T32d	32-pin connector
T46b	46-pin connector
T100	100-pin connector
372	Earth connection 7, in main wiring harness
B273	Positive connection (15), in main wiring harness
*	Main fuse box, on battery on rear right in luggage compartment
*2	Data bus wire (CAN bus)

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

Airbag coil connector and return ring with slip ring, Airbag control unit, Airbag igniter on driver side, Airbag igniter 2 on front passenger side, Airbag igniter 2 on driver side

F138	Airbag coil connector and return ring with slip ring
J234	Airbag control unit
N95	Airbag igniter on driver side
N131	Airbag igniter 1 on front passenger side
N132	Airbag igniter 2 on front passenger side
N250	Airbag igniter 2 on driver side
T4e	4-pin connector, behind steering column switch trim
T4f	4-pin connector
T5c	5-pin connector, behind dash panel, right
T12c	12-pin connector
T100	100-pin connector
372	Earth connection 7, in main wiring harness

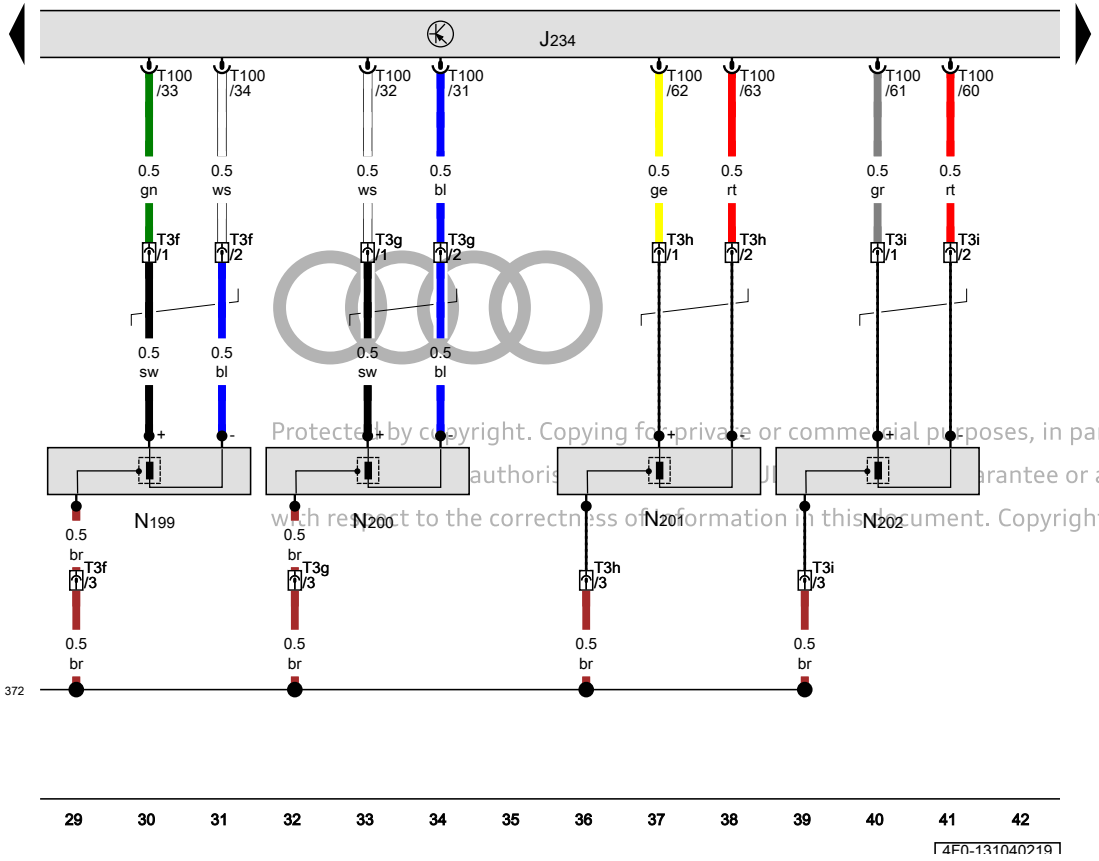


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Airbag control unit, Side airbag igniter on driver side, Rear side airbag igniter on passenger side

J234	Airbag control unit
N199	Side airbag igniter on driver side
N200	Side airbag igniter on front passenger side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on passenger side
T3f	3-pin connector, under seat on front left
T3g	3-pin connector, under seat on front right
T3h	3-pin connector, under left rear seat
T3i	3-pin connector, under right rear seat
T100	100-pin connector
372	Earth connection 7, in main wiring harness



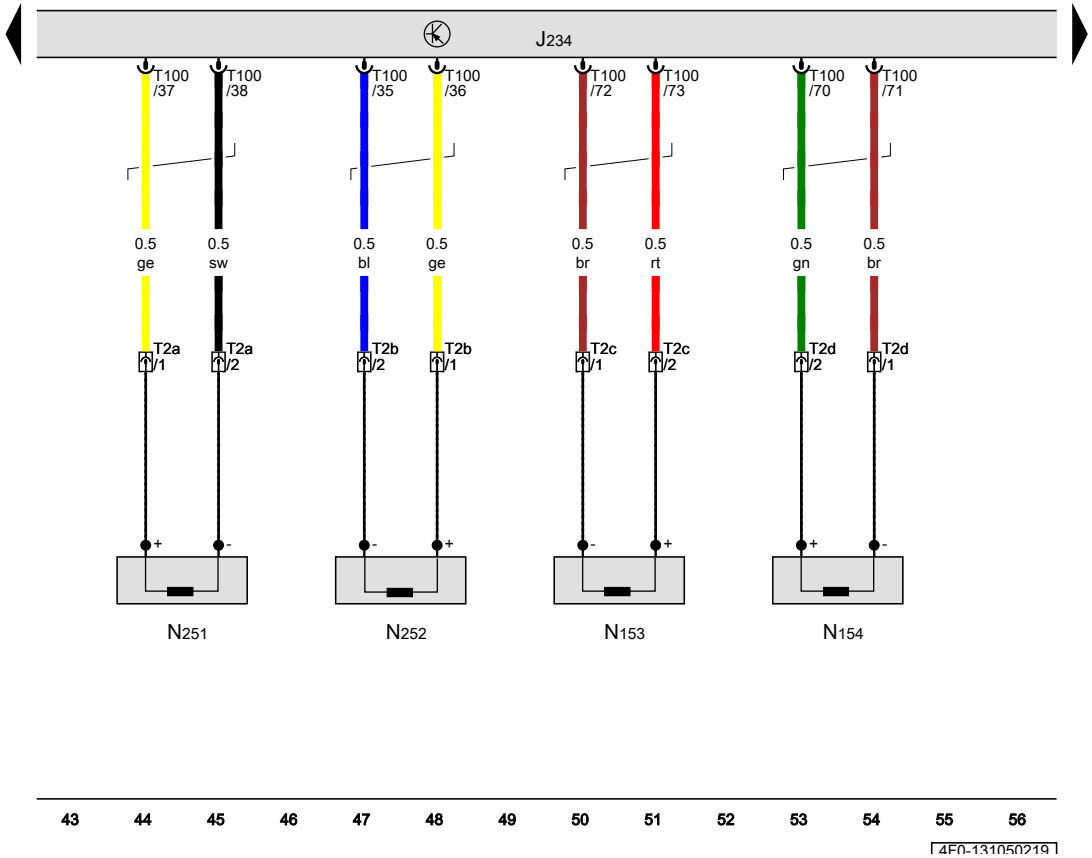
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Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Driver side curtain airbag igniter

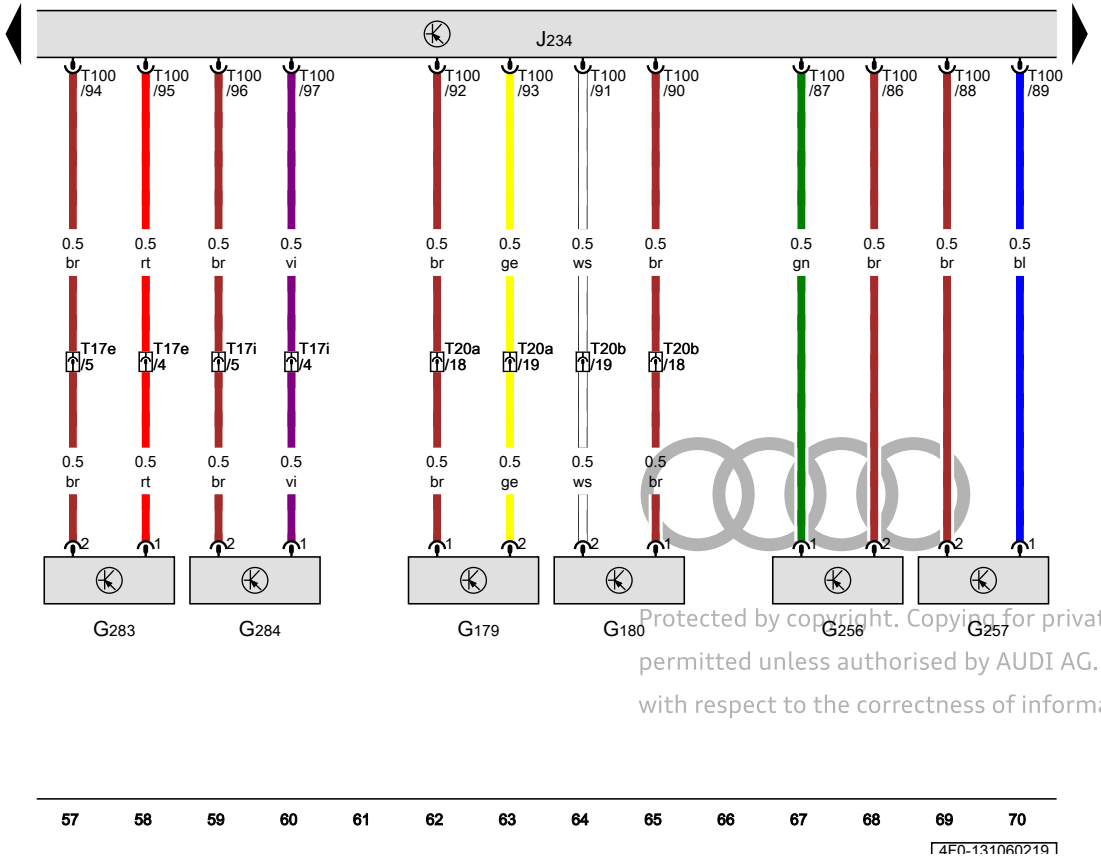
J234	Airbag control unit
N153	Driver seat belt tensioner igniter 1
N154	Front passenger seat belt tensioner igniter 1
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T2a	2-pin connector, on driver side curtain/head airbag
T2b	2-pin connector, on front passenger side curtain/head airbag
T2c	2-pin connector, on left B-pillar
T2d	2-pin connector, on right B-pillar
T100	100-pin connector



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Side airbag crash sensor on driver side, Rear side airbag crash sensor on driver side, Front airbag crash sensor for driver side, Airbag control unit

G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on passenger side
G283	Front airbag crash sensor for driver side
G284	Front airbag crash sensor for front passenger side
J234	Airbag control unit
T17e	17-pin connector, in left A-pillar coupling station
T17i	17-pin connector, in right A-pillar coupling station
T20a	20-pin connector, on left A-pillar
T20b	20-pin connector, on right A-pillar
T100	100-pin connector

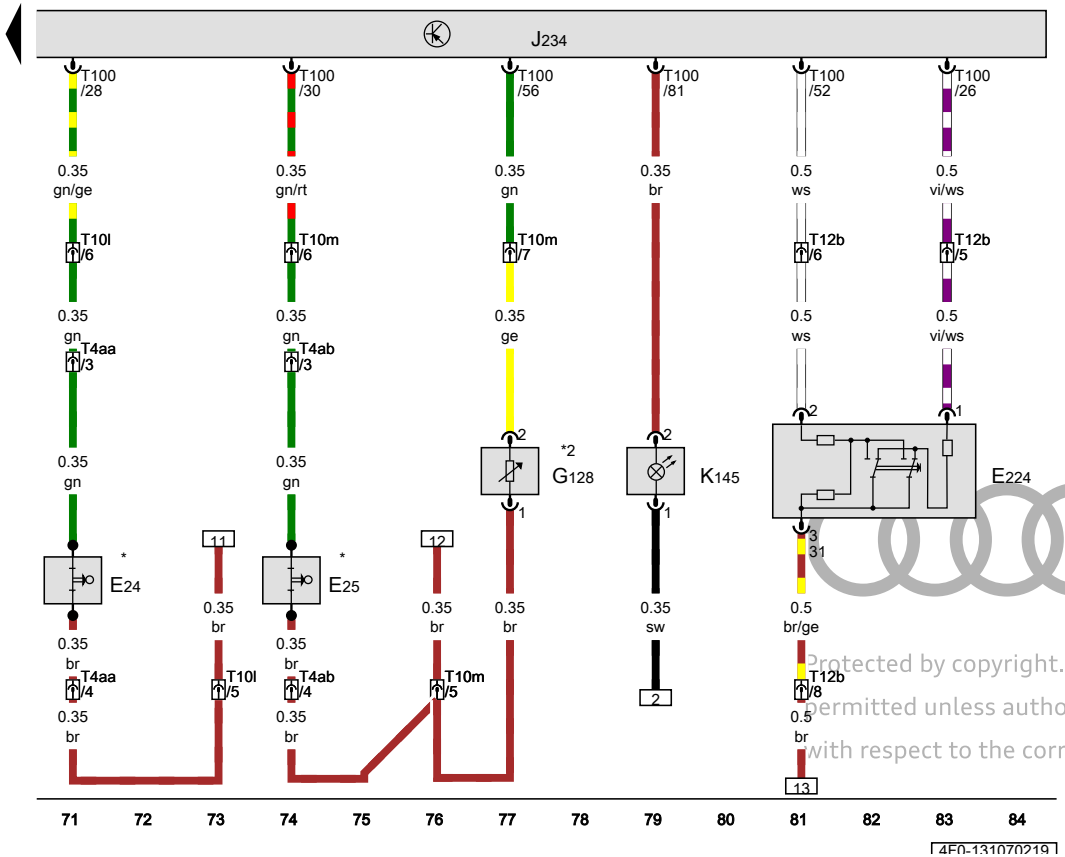


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Driver side belt switch, Front passenger side belt switch, Key operated switch to deactivate airbag on front passenger side, Seat occupied sensor, front passenger side, Airbag control unit, Warning lamp for airbag deactivated on front passenger side

E24	Driver side belt switch
E25	Front passenger side belt switch
E224	Key operated switch to deactivate airbag on front passenger side
G128	Seat occupied sensor, front passenger side
J234	Airbag control unit
K145	Warning lamp for airbag deactivated on front passenger side
T4aa	4-pin connector, in driver seat
T4ab	4-pin connector, in front passenger seat
T10l	10-pin connector, under seat on front left
T10m	10-pin connector, under seat on front right
T12b	12-pin connector, behind dash panel, right
T100	100-pin connector
*	For models with belt switch
*2	For models with seat occupied sensor on front passenger side



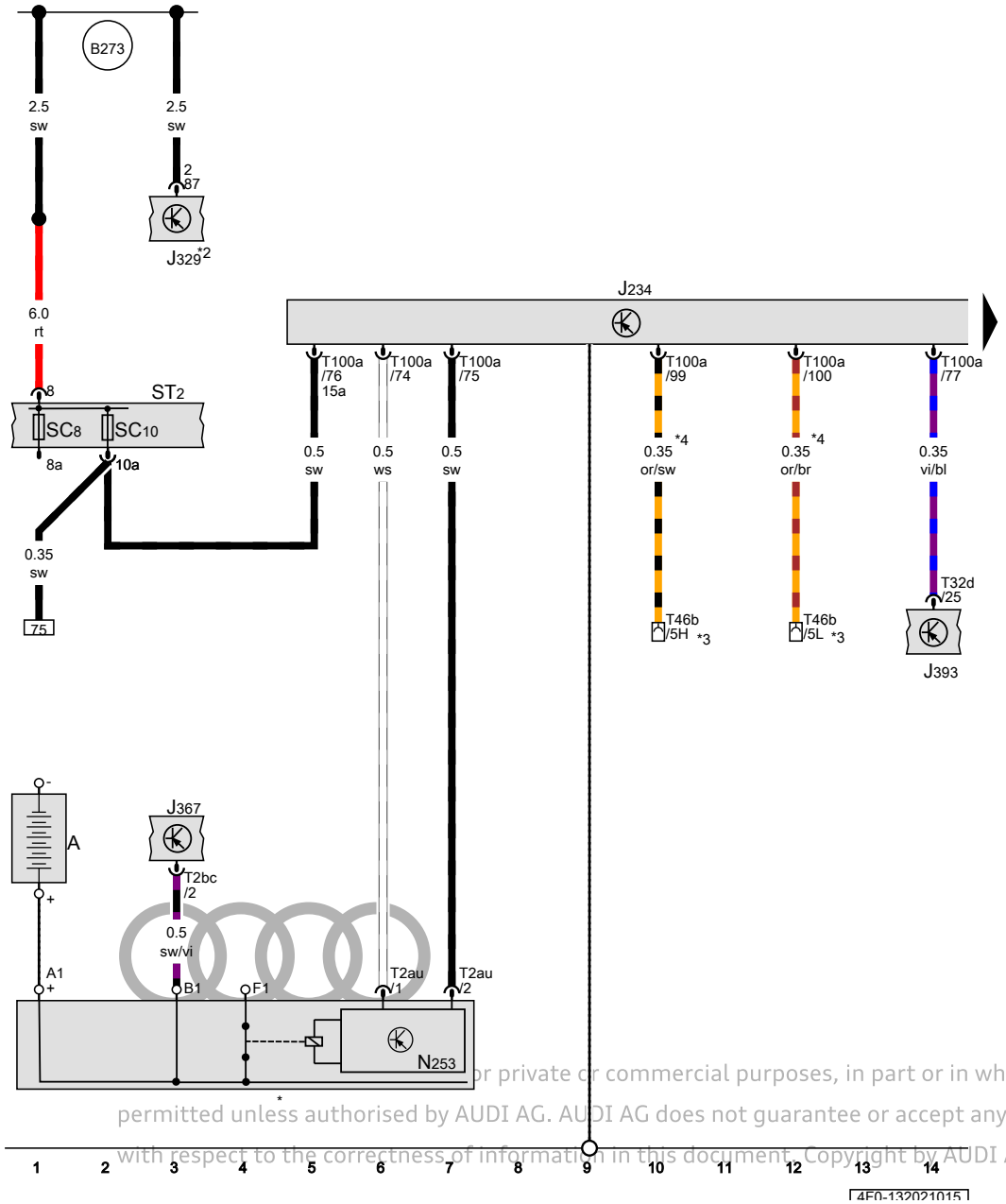
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Airbag systems (US equipment)

From September 2008

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Airbag control unit, Battery isolation igniter

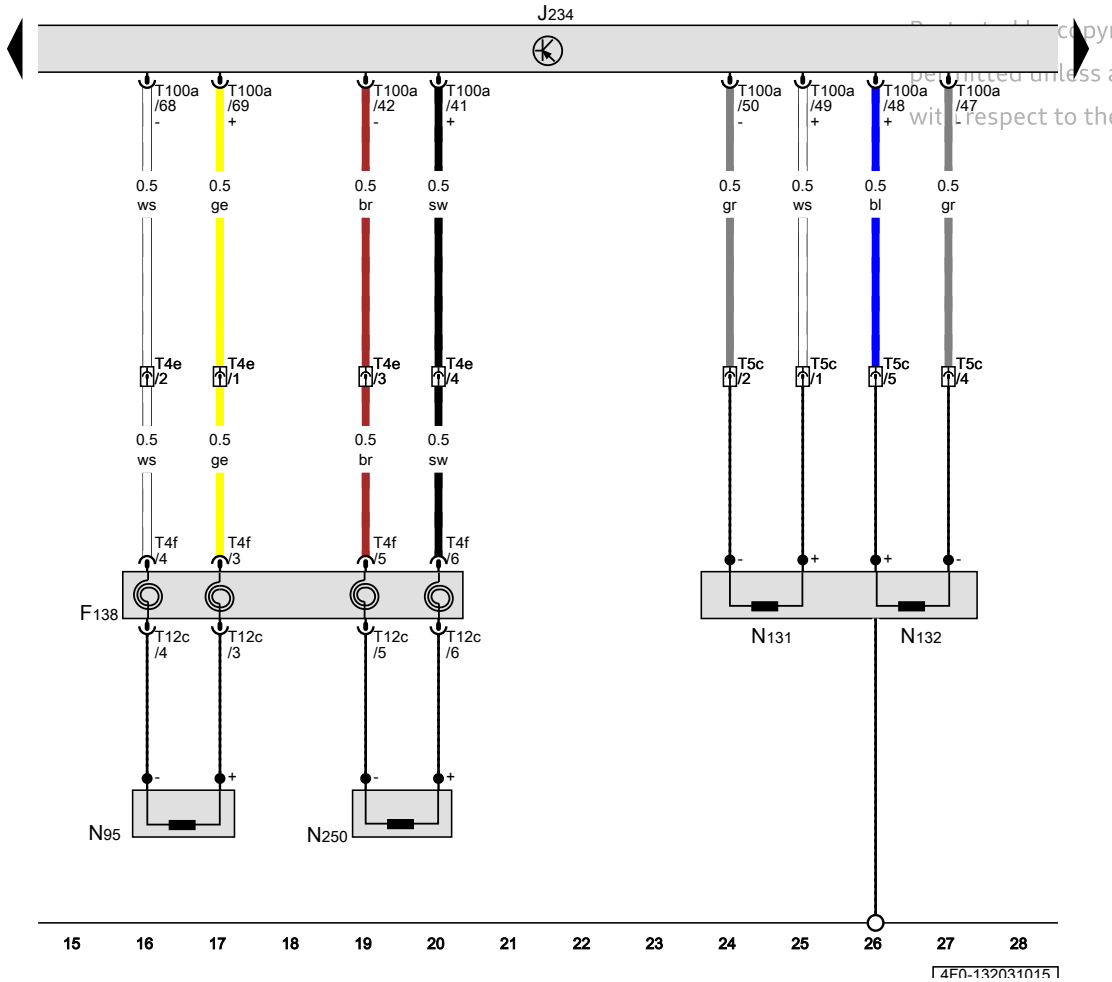
A	Battery
J234	Airbag control unit
J329	Terminal 15 voltage supply relay
J367	Battery monitor control unit
J393	Convenience system central control unit
N253	Battery isolation igniter
ST2	Fuse carrier 2
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
T2au	2-pin connector, purple, on battery isolation igniter
T2bc	2-pin connector, yellow, on battery monitor control unit
T32d	32-pin connector, blue, on convenience system central control unit
T46b	46-pin connector, right
T100a	100-pin connector, purple, on airbag control unit
B273	Positive connection (15), in main wiring harness
*	Main fuse box, on battery on rear right in luggage compartment
*2	Relay carrier on left under dash panel
*3	see applicable current flow diagram for CAN separating connector
*4	Data bus wire (CAN bus)

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Airbag control unit, Driver side airbag igniter, Front passenger side airbag igniter 1, Front passenger side airbag igniter 2, Driver side airbag igniter 2

F138	Airbag coil connector and return ring with slip ring
J234	Airbag control unit
N95	Driver side airbag igniter
N131	Front passenger side airbag igniter 1
N132	Front passenger side airbag igniter 2
N250	Driver side airbag igniter 2
T4e	4-pin connector, yellow, behind steering column switch trim
T4f	4-pin connector, yellow, behind steering column switch trim
T5c	5-pin connector, yellow, behind dash panel, right
T12c	12-pin connector, yellow, on steering wheel
T100a	100-pin connector, purple, on airbag control unit

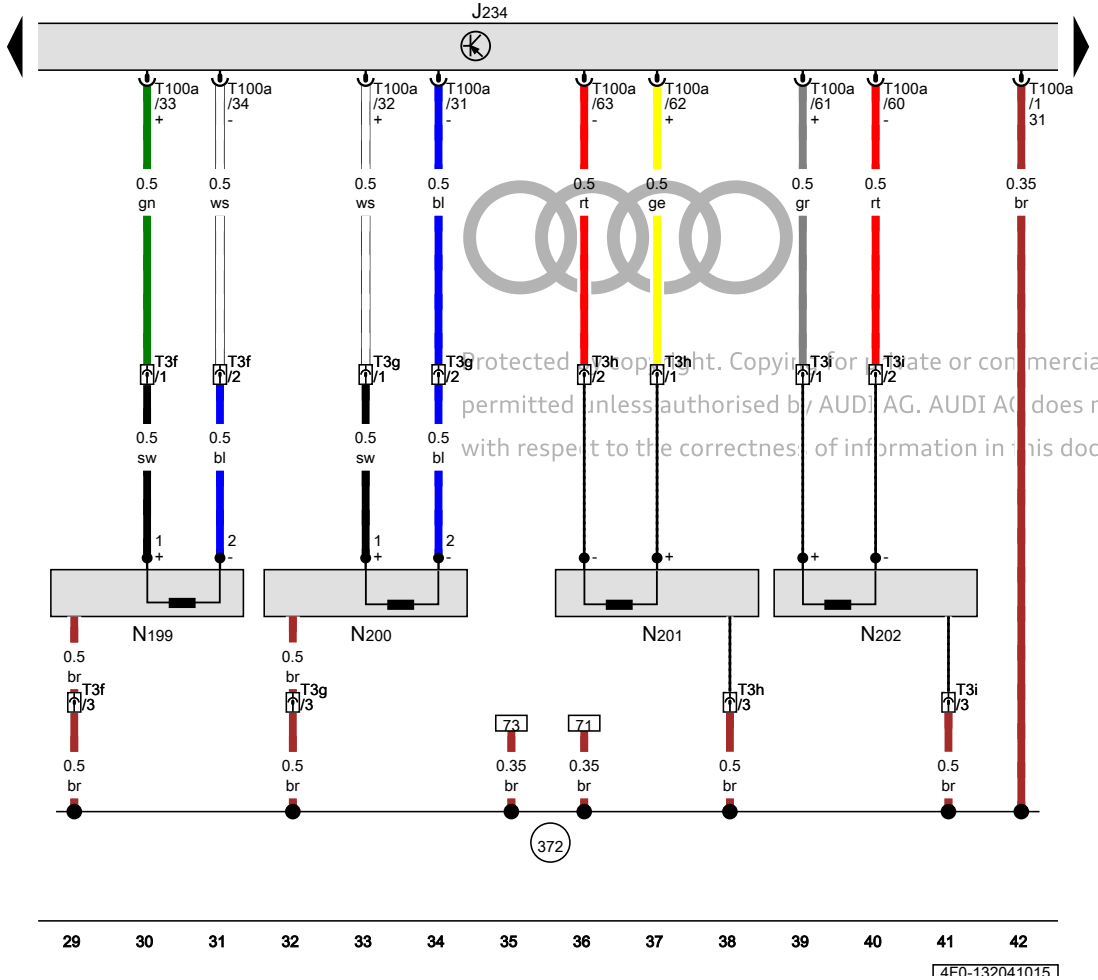
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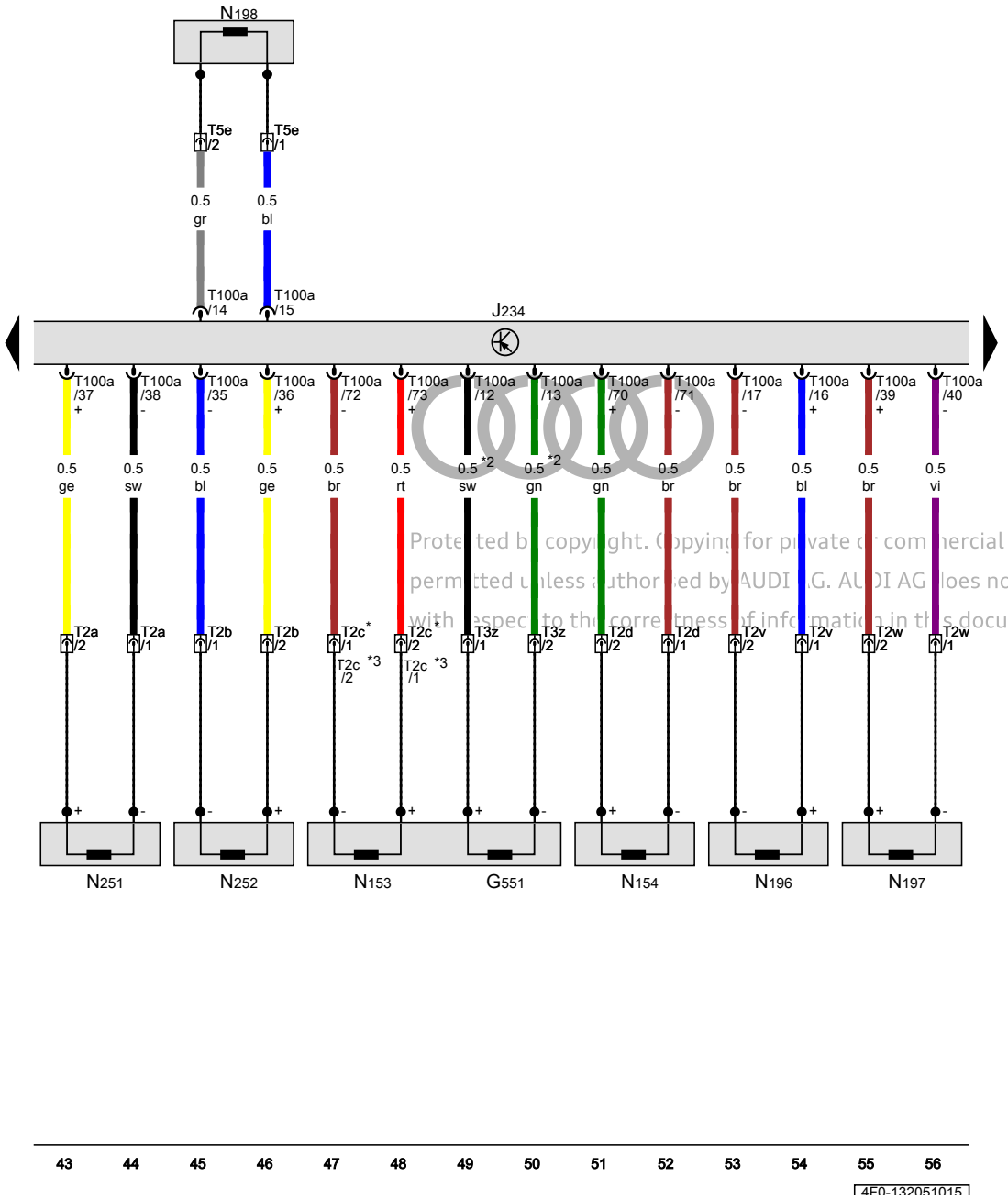
Airbag control unit, Side airbag igniter on driver side, Side airbag igniter on front passenger side, Rear side airbag igniter on driver side, Rear side airbag igniter on front passenger side

J234	Airbag control unit
N199	Side airbag igniter on driver side
N200	Side airbag igniter on front passenger side
N201	Rear side airbag igniter on driver side
N202	Rear side airbag igniter on front passenger side
T3f	3-pin connector, yellow, under driver seat
T3g	3-pin connector, yellow, under front passenger seat
T3h	3-pin connector, yellow, under left rear seat
T3i	3-pin connector, yellow, under right rear seat
T100a	100-pin connector, purple, on airbag control unit
372	Earth connection 7, in main wiring harness



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Driver side belt force limiter, Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on front passenger side, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

G551	Driver side belt force limiter
J234	Airbag control unit
N153	Driver seat belt tensioner igniter 1
N154	Front passenger seat belt tensioner igniter 1
N196	Rear belt tensioner igniter on driver side
N197	Rear belt tensioner igniter on front passenger side
N198	Rear centre belt tensioner igniter
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T2a	2-pin connector, yellow, on driver side curtain/head airbag
T2b	2-pin connector, yellow, on front passenger side curtain/head airbag
T2c	2-pin connector, purple, on left B-pillar
T2d	2-pin connector, purple, on right B-pillar
T2v	2-pin connector, yellow, on left C-pillar
T2w	2-pin connector, yellow, on right C-pillar
T3z	3-pin connector, orange, on left B-pillar
T5e	5-pin connector, yellow, under centre rear seat
T100a	100-pin connector, purple, on airbag control unit
*	Up to April 2008
*2	According to equipment
*3	From May 2008

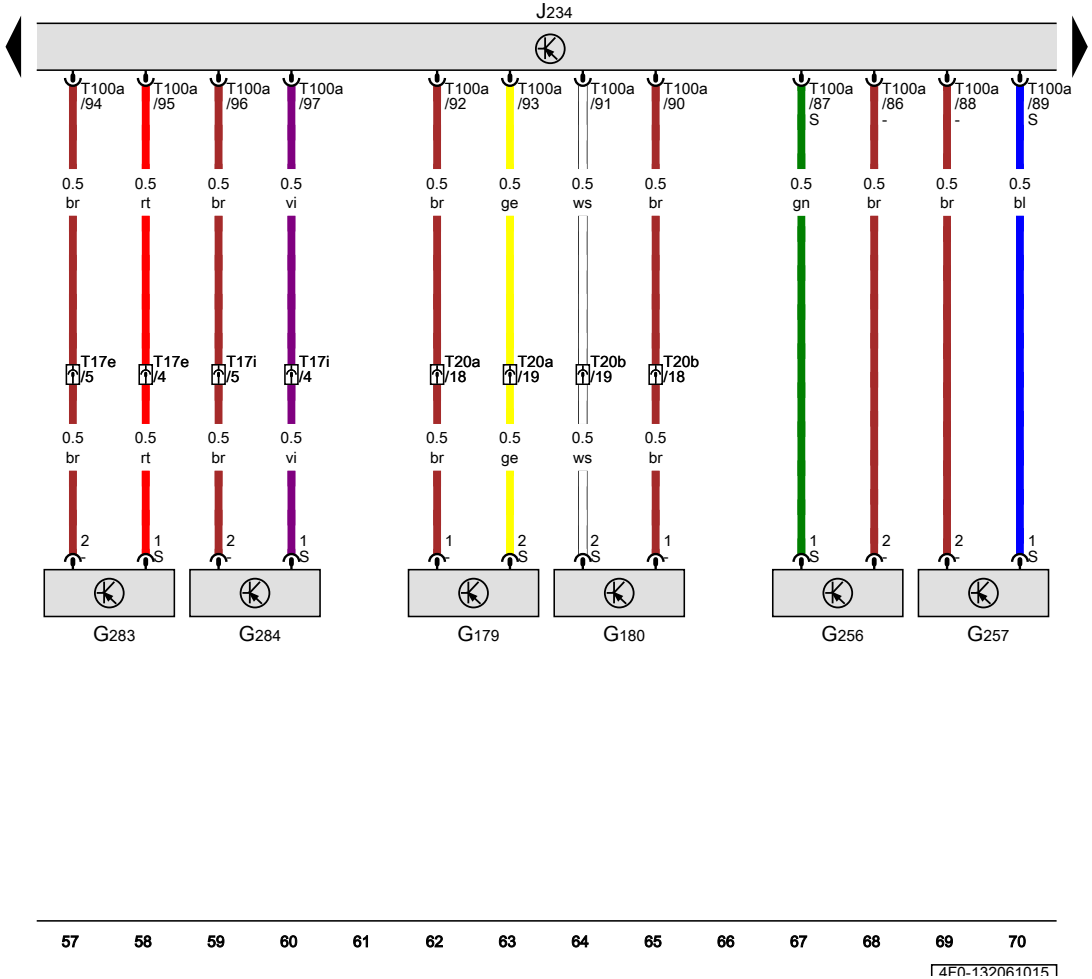
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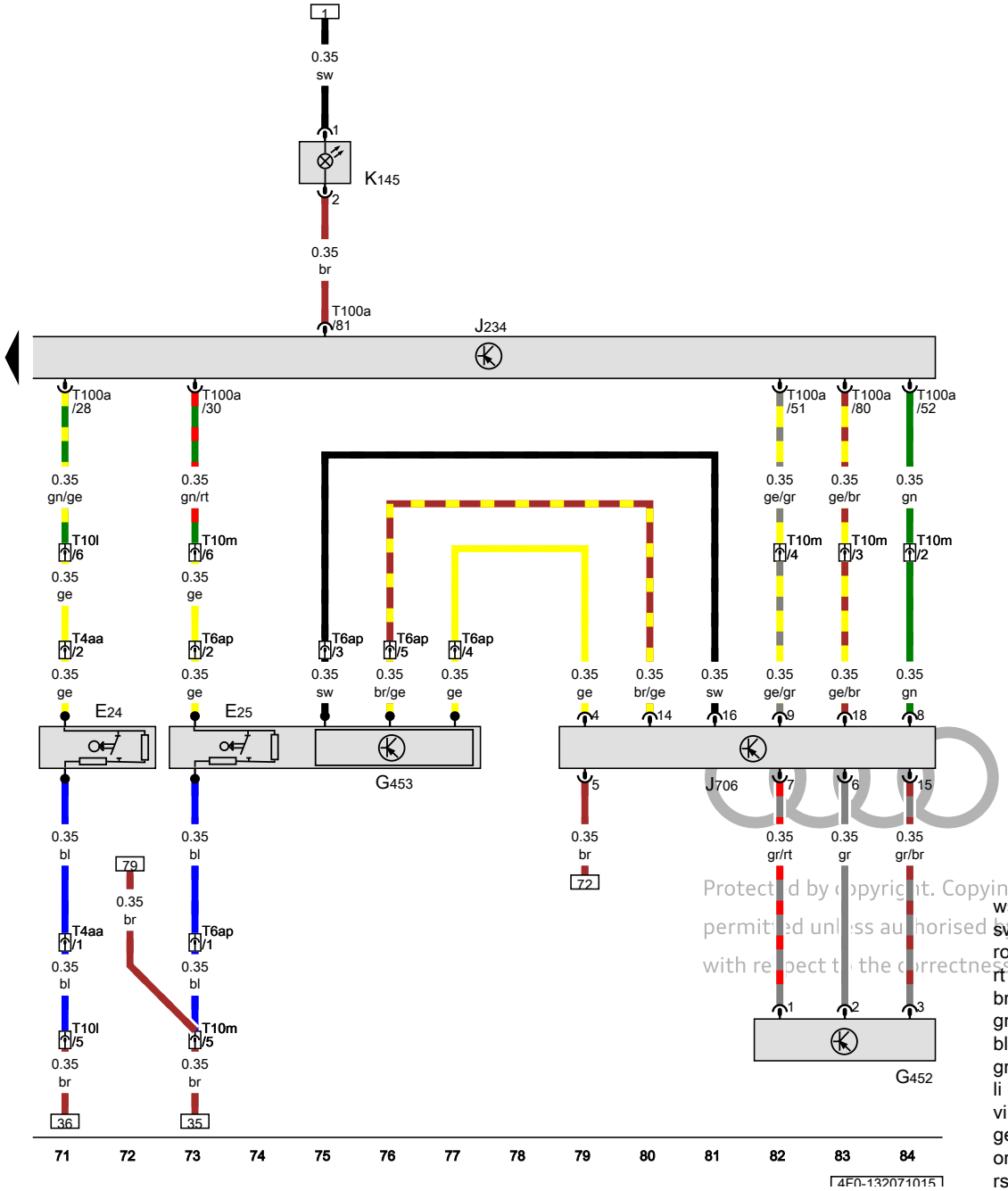
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Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on front passenger side, Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Airbag control unit

G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on front passenger side
G283	Front airbag crash sensor for driver side
G284	Front airbag crash sensor for front passenger side
J234	Airbag control unit
T17e	17-pin connector, red, in left A-pillar coupling station
T17i	17-pin connector, red, in right A-pillar coupling station
T20a	20-pin connector, in left A-pillar
T20b	20-pin connector, in right A-pillar
T100a	100-pin connector, purple, on airbag control unit



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Driver side belt switch, Front passenger side belt switch, Airbag control unit, Seat occupied recognition control unit, Front passenger side airbag deactivated warning lamp

E24	Driver side belt switch
E25	Front passenger side belt switch
G452	Pressure sensor for seat occupied recognition
G453	Seat belt force sensor for seat occupied recognition
J234	Airbag control unit
J706	Seat occupied recognition control unit
K145	Front passenger side airbag deactivated warning lamp
T4aa	4-pin connector, in driver seat
T6ap	6-pin connector, in front passenger seat
T10l	10-pin connector, black, under seat on front left
T10m	10-pin connector, black, under seat on front right
T100a	100-pin connector, purple, on airbag control unit

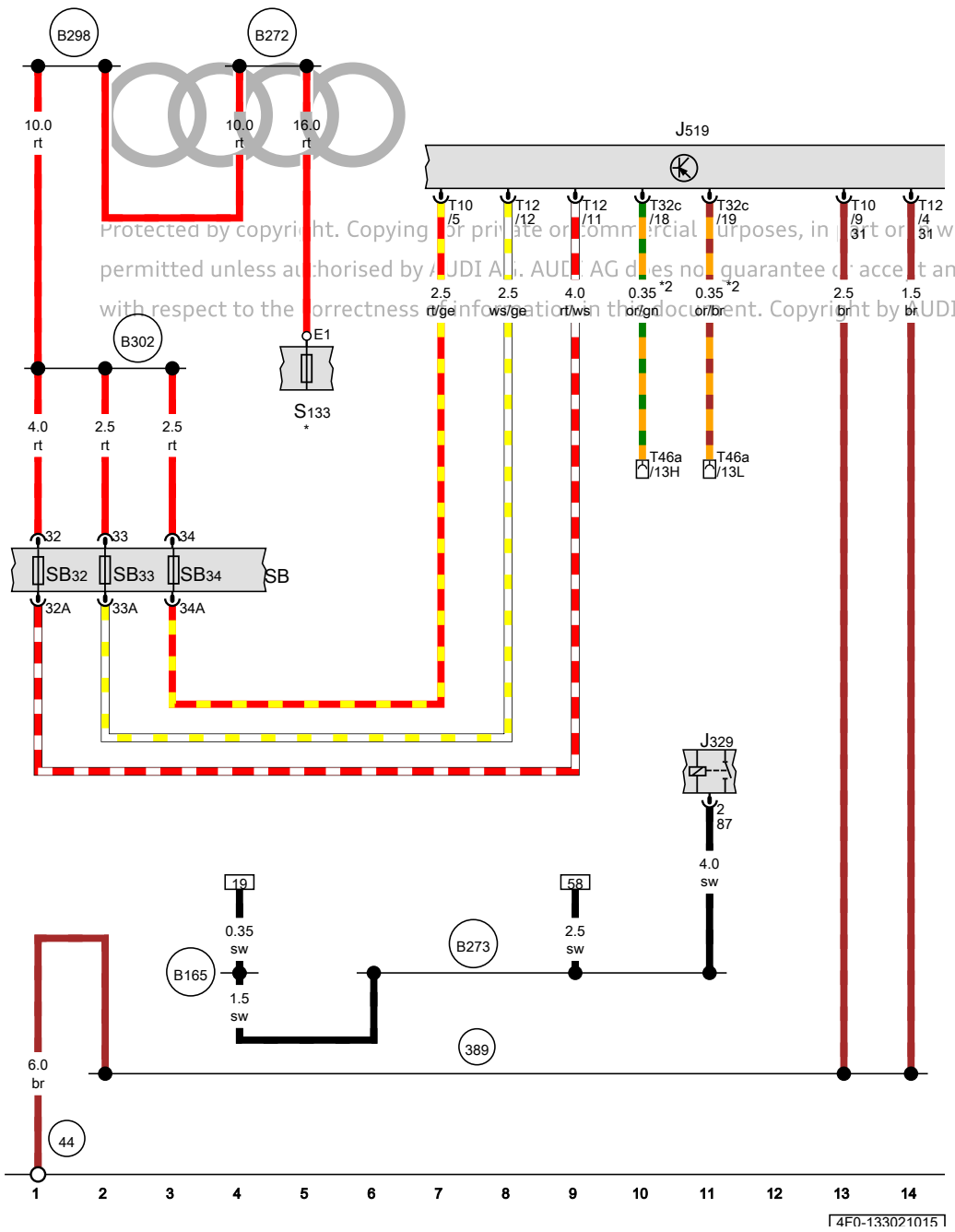
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Gas discharge headlights with automatic headlight range control

From September 2008

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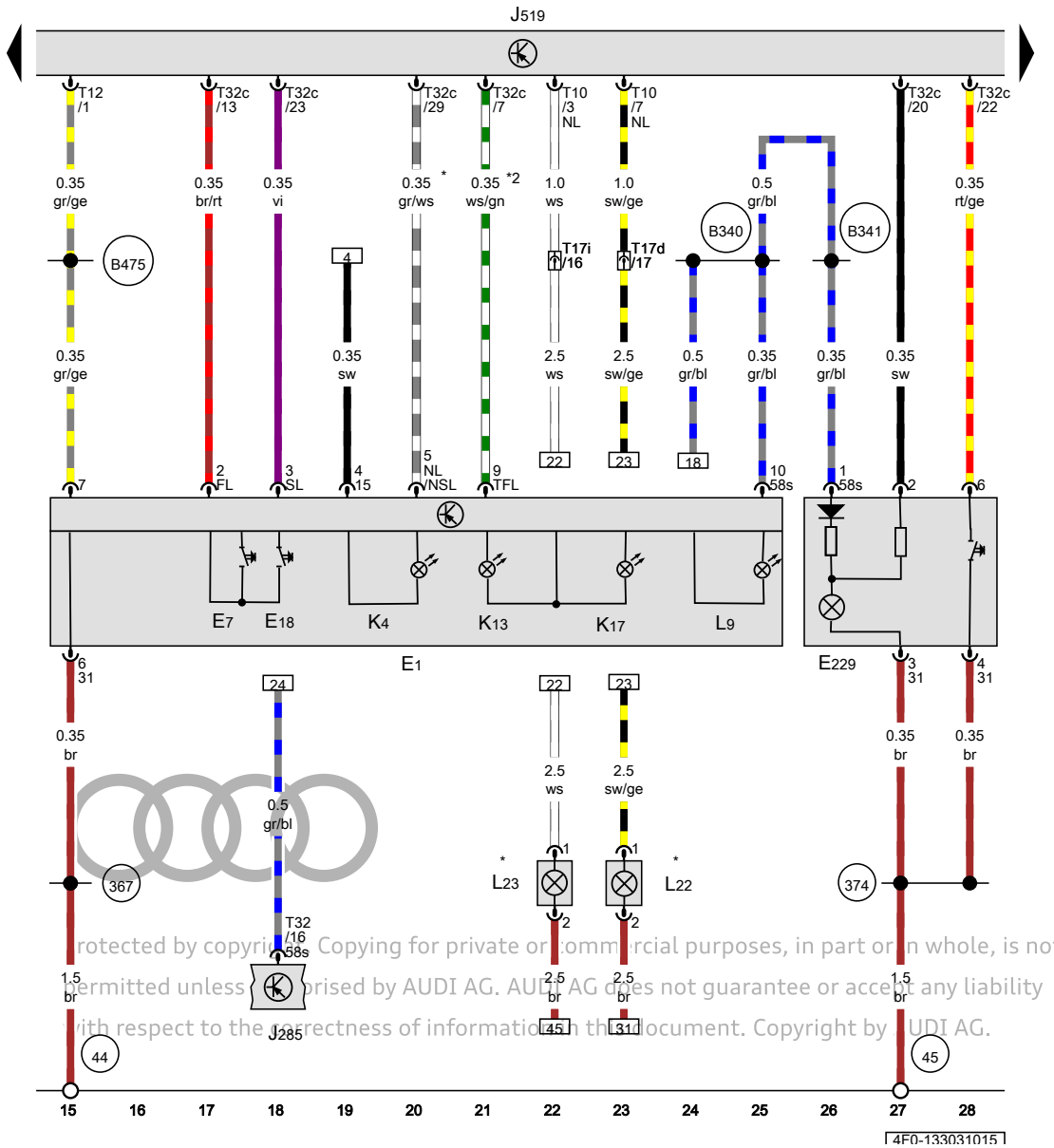
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Onboard supply control unit, Fuse holder B

J329	Terminal 15 voltage supply relay, in relay carrier, behind shelf on front passenger side
J519	Onboard supply control unit
SB32	Fuse 32 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB34	Fuse 34 on fuse holder B
S133	Fuse 3
SB	Fuse holder B
T10	10-pin connector, black, on onboard supply control unit
T12	12-pin connector, black, on onboard supply control unit
T32c	32-pin connector, white, on onboard supply control unit
T46a	46-pin connector, black, behind dash panel, left, near fuse holder
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
*	Main fuse box, on battery on rear right in luggage compartment
*2	Data bus wire (CAN bus)

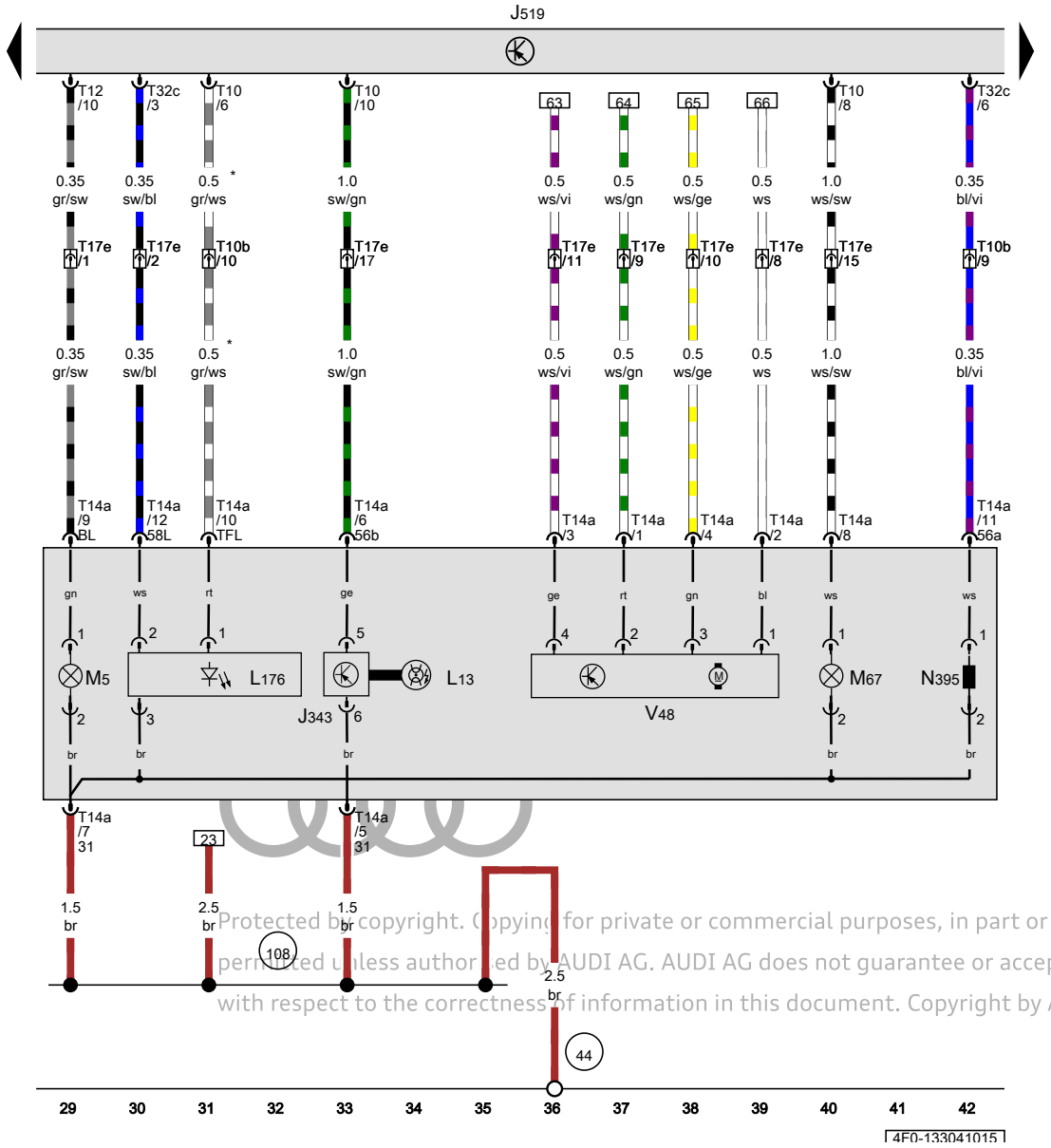
Light switch, Hazard warning lights button, Onboard supply control unit, Left fog light bulb, Right fog light bulb



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E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
E229	Hazard warning lights button
J285	Control unit in dash panel insert
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
L22	Left fog light bulb
L23	Right fog light bulb
T10	10-pin connector, black, on onboard supply control unit
T12	12-pin connector, black, on onboard supply control unit
T17d	17-pin connector, black, in left A-pillar coupling station
T17i	17-pin connector, red, in right A-pillar coupling station
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, on onboard supply control unit
44	Earth point, lower part of left A-pillar
45	Earth point, centre behind dash panel
367	Earth connection 2, in main wiring harness
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B475	Connection 11, in main wiring harness
*	Only models with fog lights
*2	Only models with daytime running lights

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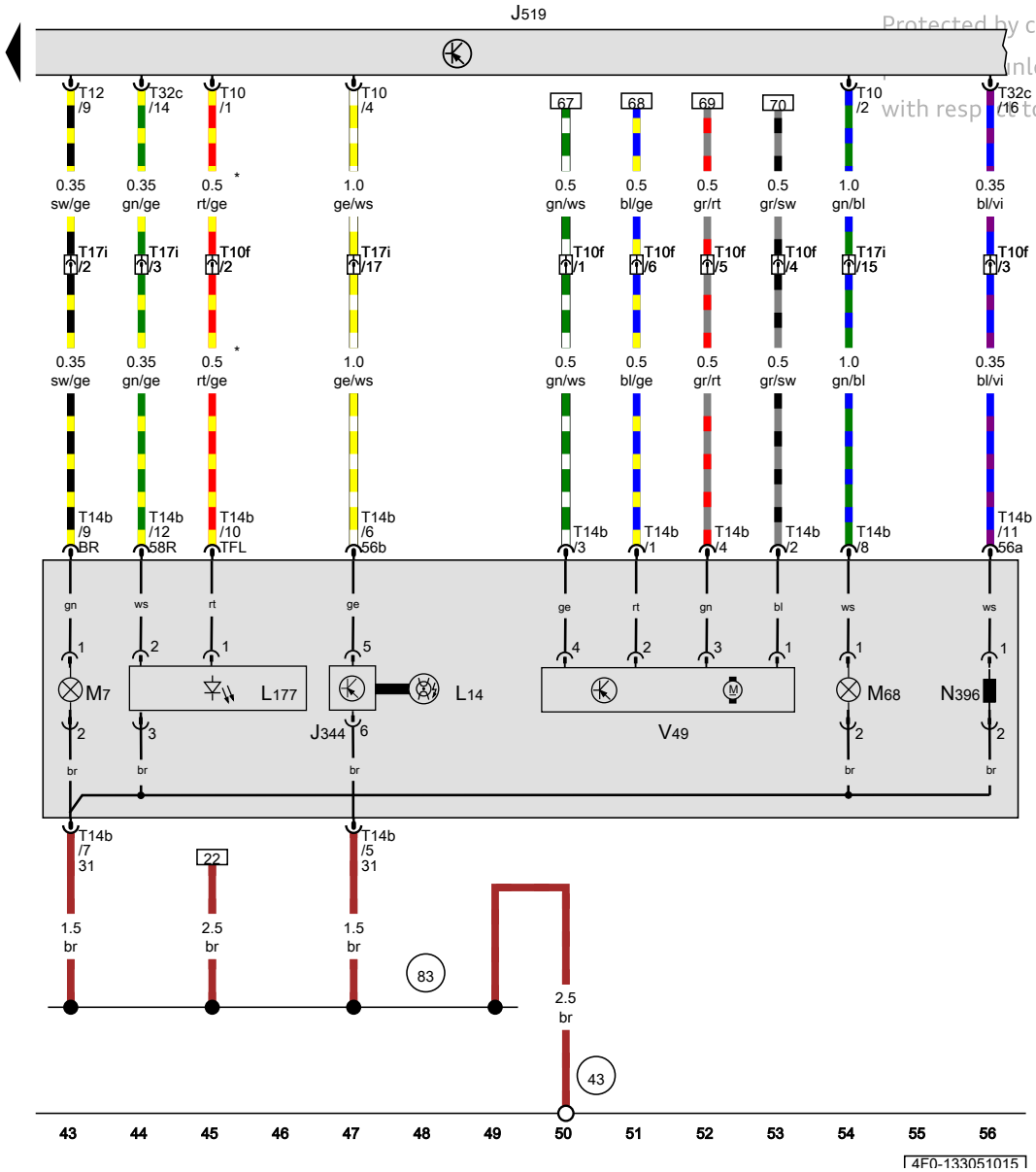
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Left gas discharge bulb control unit, Onboard supply control unit

J343	Left gas discharge bulb control unit
J519	Onboard supply control unit
L13	Left gas discharge (xenon) bulb
L176	Left LED module for daytime running light and side light
M5	Front left turn signal bulb
M67	Left additional main beam bulb
N395	Left headlight screen adjustment solenoid
T10	10-pin connector, black, on onboard supply control unit
T10b	10-pin connector, blue, in left A-pillar coupling station
T12	12-pin connector, black, on onboard supply control unit
T14a	14-pin connector, black, on left headlight
T17e	17-pin connector, red, in left A-pillar coupling station
T32c	32-pin connector, white, on onboard supply control unit
V48	Left headlight range control motor
44	Earth point, lower part of left A-pillar
108	Earth connection 2, in front left wiring harness
*	Only models with daytime running lights

Right gas discharge bulb control unit, Onboard supply control unit

J344	Right gas discharge bulb control unit
J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L177	Right LED module for daytime running light and side light
M7	Front right turn signal bulb
M68	Right additional main beam bulb
N396	Right headlight screen adjustment solenoid
T10	10-pin connector, black, on onboard supply control unit
T10f	10-pin connector, white, in right A-pillar coupling station
T12	12-pin connector, black, on onboard supply control unit
T14b	14-pin connector, black, on right headlight
T17i	17-pin connector, red, in right A-pillar coupling station
T32c	32-pin connector, white, on onboard supply control unit
V49	Right headlight range control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	Only models with daytime running lights

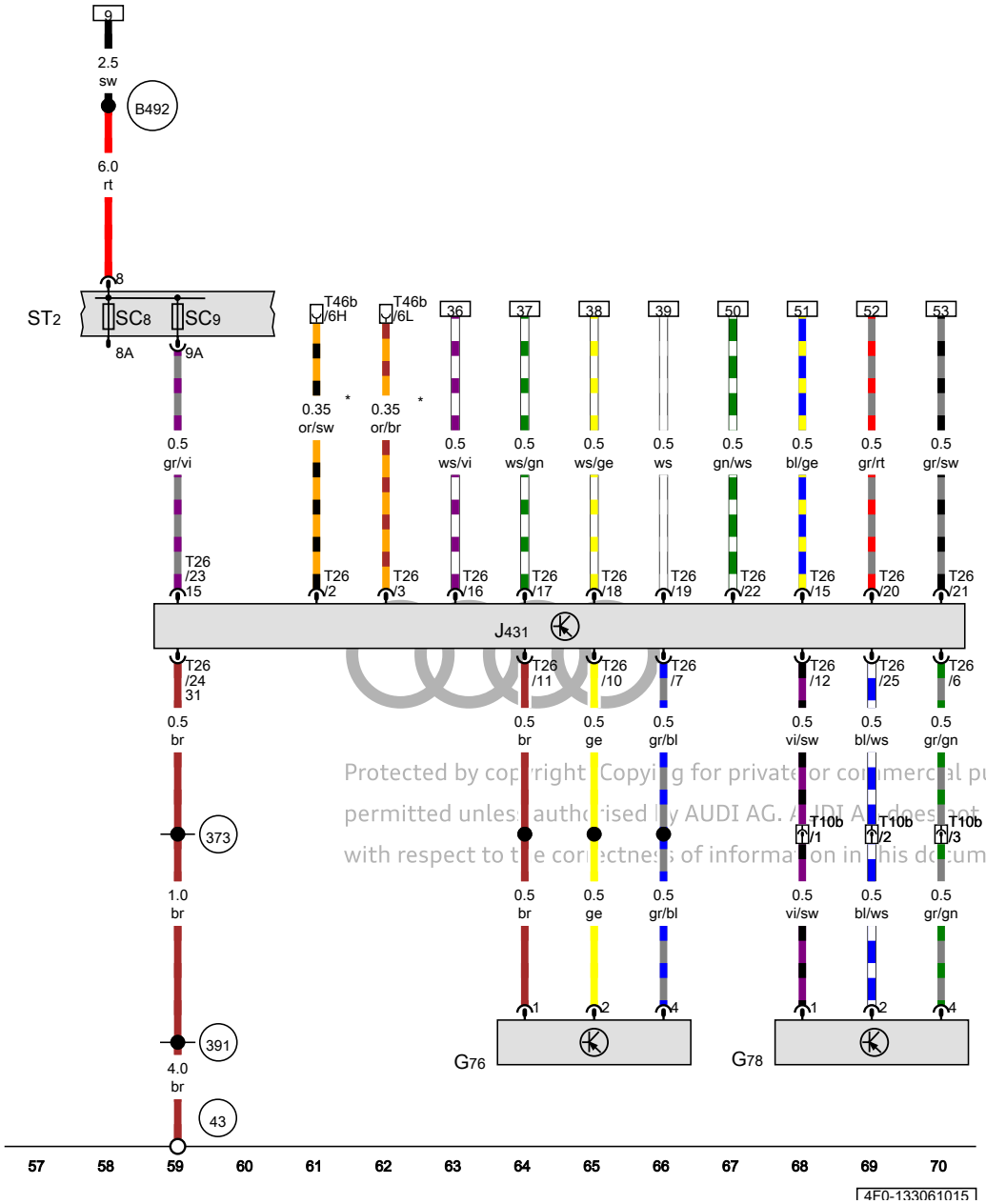


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Rear left vehicle level sender, Front left vehicle level sender, Headlight range control unit

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J431	Headlight range control unit
ST2	Fuse carrier 2
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
T10b	10-pin connector, blue, in left A-pillar coupling station
T26	26-pin connector, black, on control unit for headlight range control
T46b	46-pin connector, right
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	Data bus wire (CAN bus)



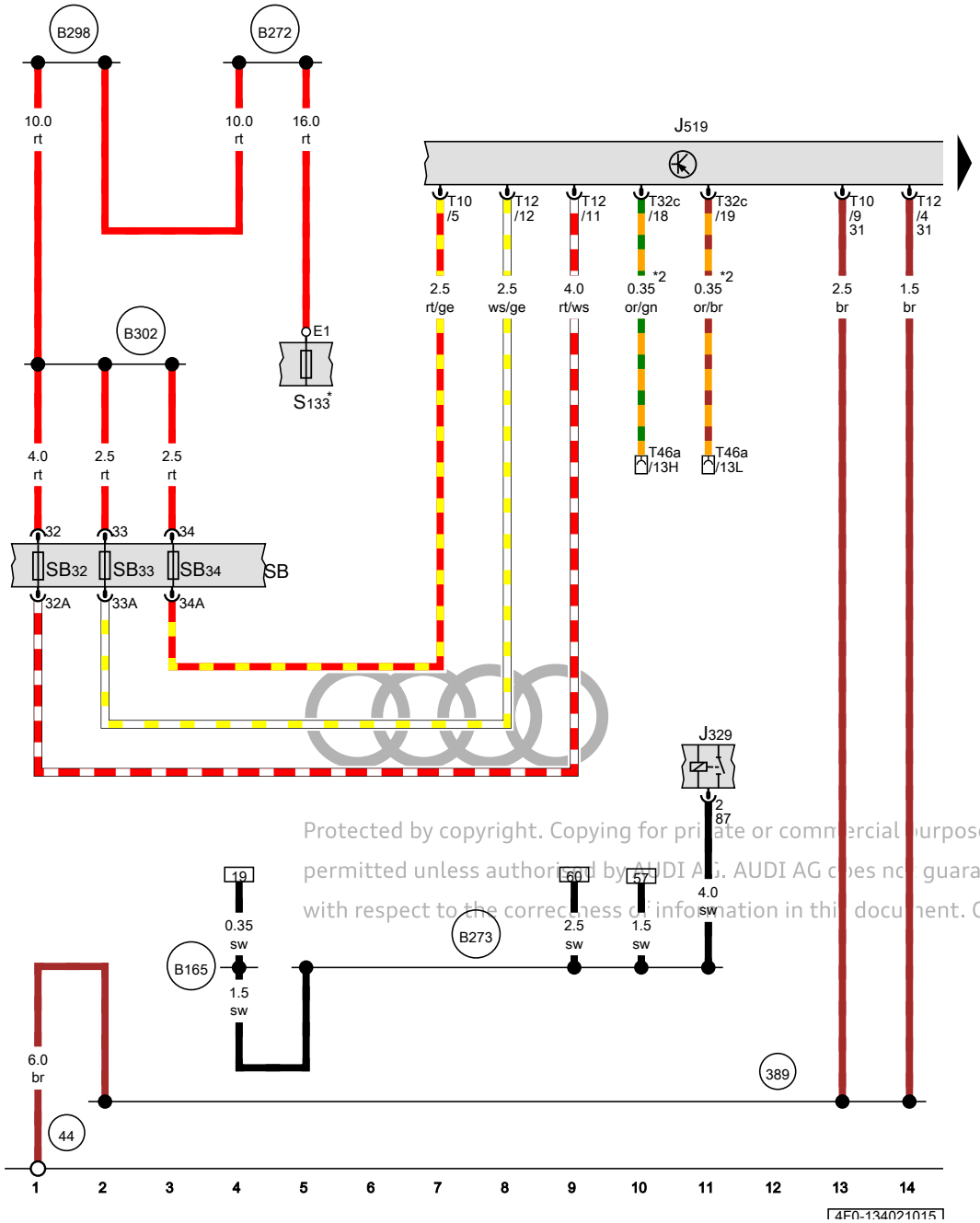
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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Gas discharge headlights (bi-xenon) with automatic headlight range control and cornering light

From September 2008

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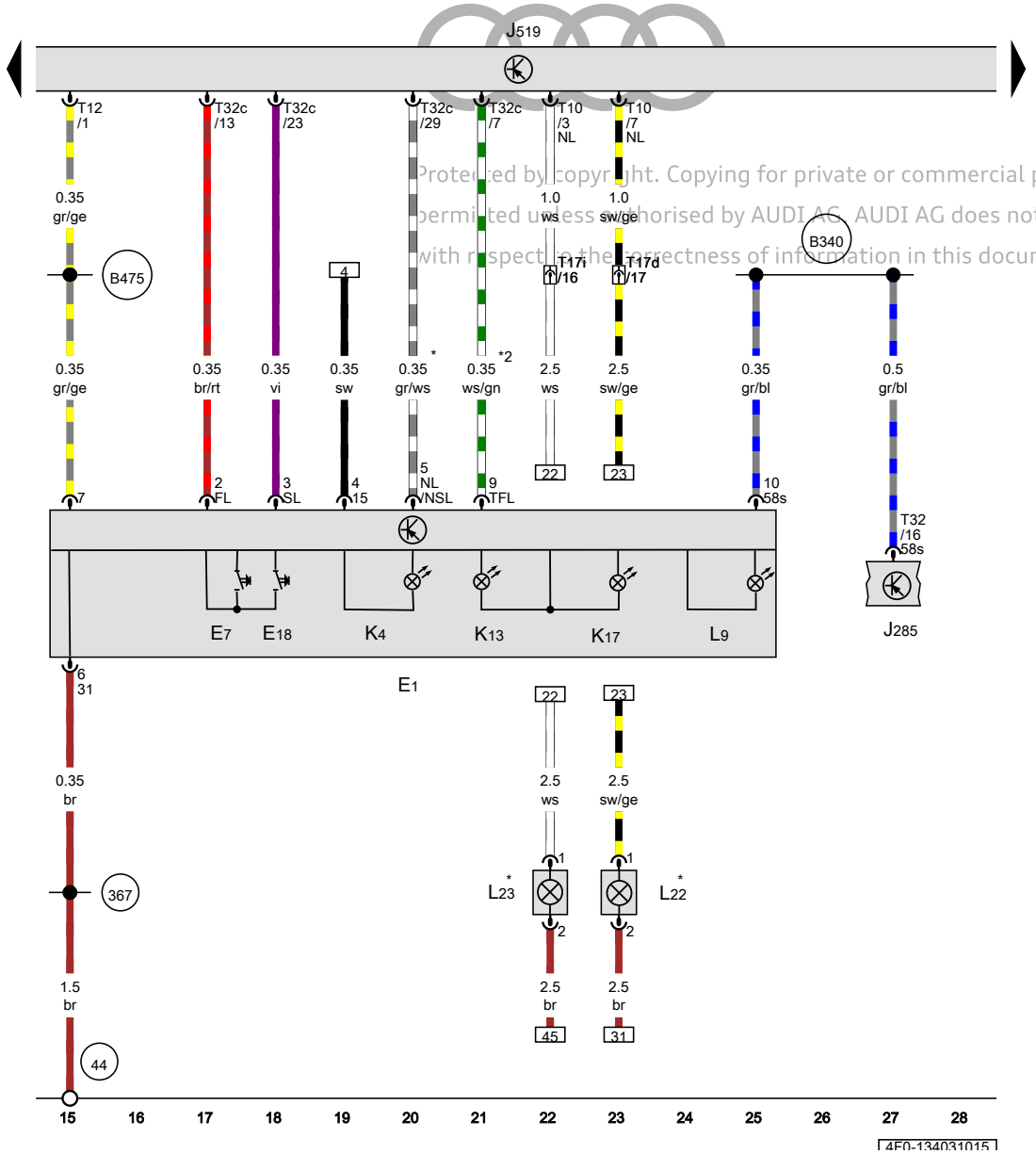
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Onboard supply control unit, Fuse holder B

J329	Terminal 15 voltage supply relay, in relay carrier, behind shelf on front passenger side
J519	Onboard supply control unit
SB32	Fuse 32 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB34	Fuse 34 on fuse holder B
S133	Fuse 3
SB	Fuse holder B
T10	10-pin connector, black, on onboard supply control unit
T12	12-pin connector, black, on onboard supply control unit
T32c	32-pin connector, white, on onboard supply control unit
T46a	46-pin connector, black, behind dash panel, left, near fuse holder
44	Earth point, lower part of left A-pillar
389	Earth connection 24, in main wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
*	Main fuse box, on battery on rear right in luggage compartment
*2	Data bus wire (CAN 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

Light switch, Onboard supply control unit, Left fog light bulb, Right fog light bulb

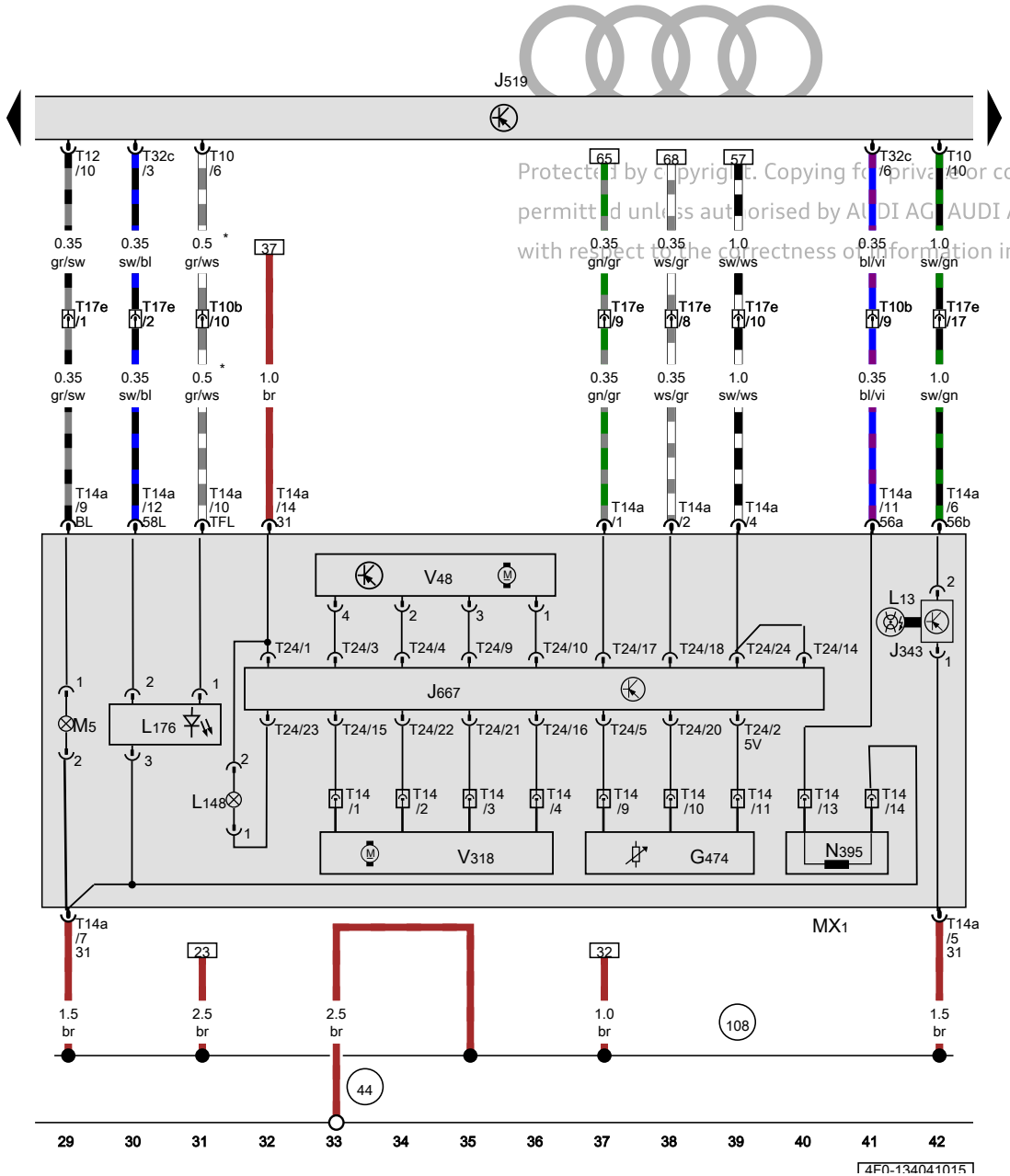


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E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K4	Side light warning lamp
K13	Rear fog light warning lamp
K17	Fog light warning lamp
L9	Light switch illumination bulb
L22	Left fog light bulb
L23	Right fog light bulb
T10	10-pin connector, black, on onboard supply control unit
T12	12-pin connector, black, on onboard supply control unit
T17d	17-pin connector, black, in left A-pillar coupling station
T17i	17-pin connector, red, in right A-pillar coupling station
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, on onboard supply control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B475	Connection 11, in main wiring harness
*	Only models with fog lights
*2	Only models with daytime running lights

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

Left gas discharge bulb control unit, Onboard supply control unit, Output module for left headlight, Front left headlight

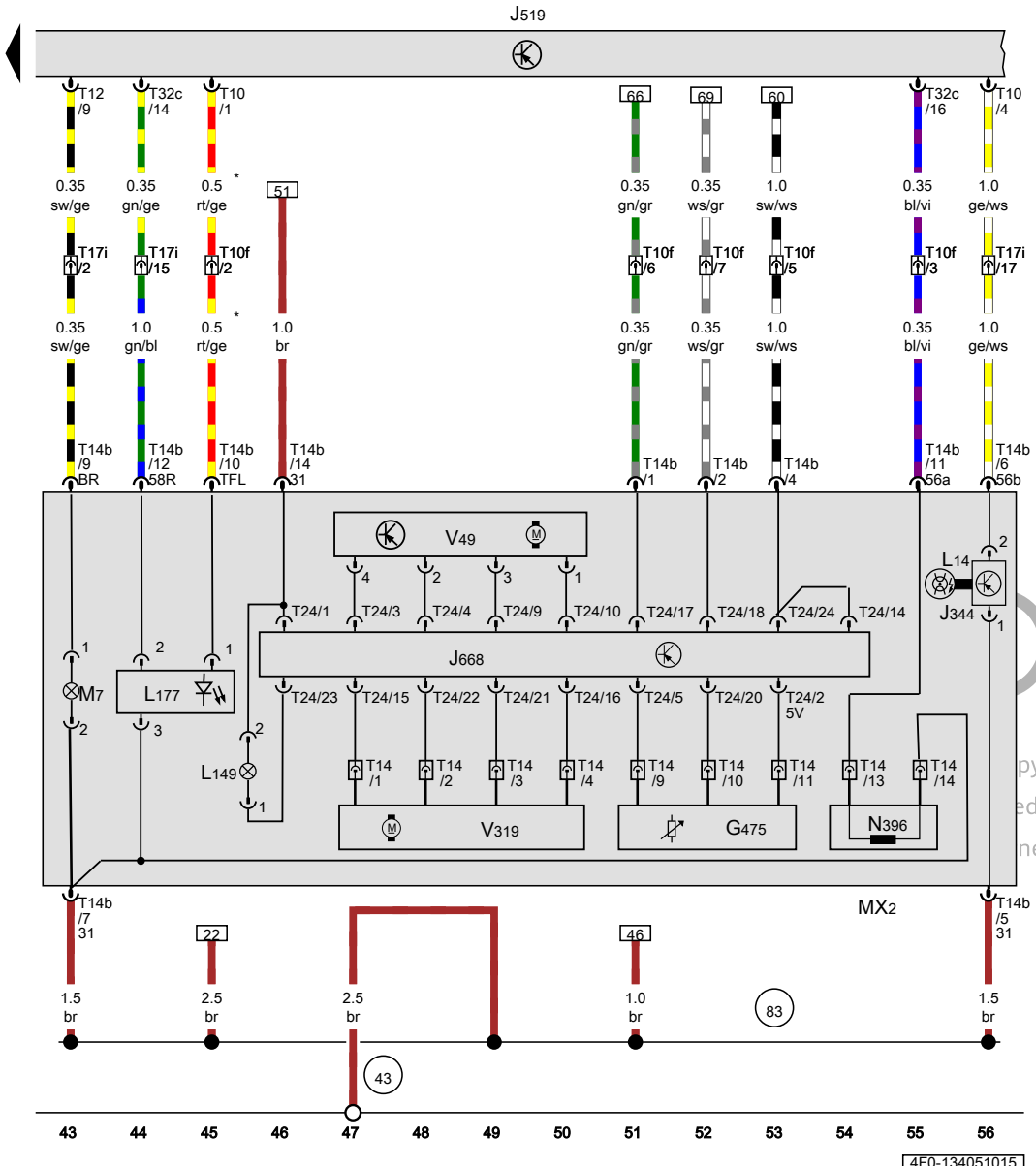


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G474	Left swivel module position sensor
J343	Left gas discharge bulb control unit
J519	Onboard supply control unit
J667	Output module for left headlight
L13	Left gas discharge (xenon) bulb
L148	Left cornering light bulb
L176	Left LED module for daytime running light and side light
MX1	Front left headlight
M5	Front left turn signal bulb
N395	Left headlight screen adjustment solenoid
T10	10-pin connector, black, on onboard supply control unit
T10b	10-pin connector, blue, in left A-pillar coupling station
T12	12-pin connector, black, on onboard supply control unit
T14a	14-pin connector, black, on left headlight
T17e	17-pin connector, red, in left A-pillar coupling station
T32c	32-pin connector, white, on onboard supply control unit
V48	Left headlight range control motor
V318	Left dynamic cornering light control motor
44	Earth point, lower part of left A-pillar
108	Earth connection 2, in front left wiring harness
*	Only models with daytime running lights

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

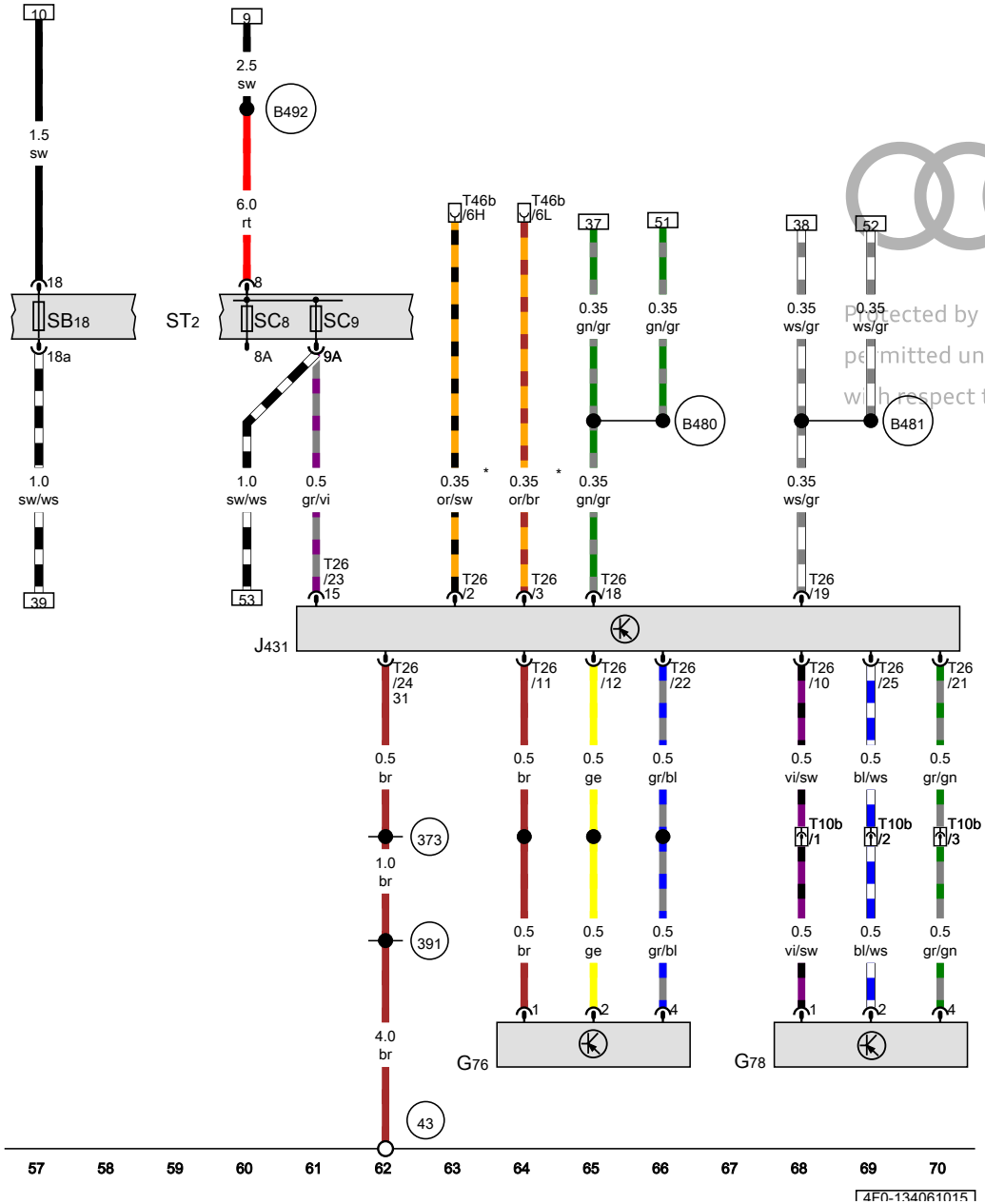
Right gas discharge bulb control unit, Onboard supply control unit, Output module for right headlight, Front right headlight



G475	Right swivel module position sensor
J344	Right gas discharge bulb control unit
J519	Onboard supply control unit
J668	Output module for right headlight
L14	Right gas discharge (xenon) bulb
L149	Right cornering light bulb
L177	Right LED module for daytime running light and side light
MX2	Front right headlight
M7	Front right turn signal bulb
N396	Right headlight screen adjustment solenoid
T10	10-pin connector, black, on onboard supply control unit
T10f	10-pin connector, white, in right A-pillar coupling station
T12	12-pin connector, black, on onboard supply control unit
T14b	14-pin connector, black, on right headlight
T17i	17-pin connector, red, in right A-pillar coupling station
T32c	32-pin connector, white, on onboard supply control unit
V49	Right headlight range control motor
V319	Right dynamic cornering light control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	Only models with daytime running lights

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gn = green
bl = blue
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li = purple
vi = purple
ge = yellow
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rs = pink

Rear left vehicle level sender, Front left vehicle level sender, Headlight range control unit

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J431	Headlight range control unit
ST2	Fuse carrier 2
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
SB18	Fuse 18 on fuse holder B
T10b	10-pin connector, blue, in left A-pillar coupling station
T26	26-pin connector, black, on control unit for headlight range control
T46b	46-pin connector, right
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B480	Connection 16, in main wiring harness
B481	Connection 17, in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	Data bus wire (CAN bus)

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CAN disconnector

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

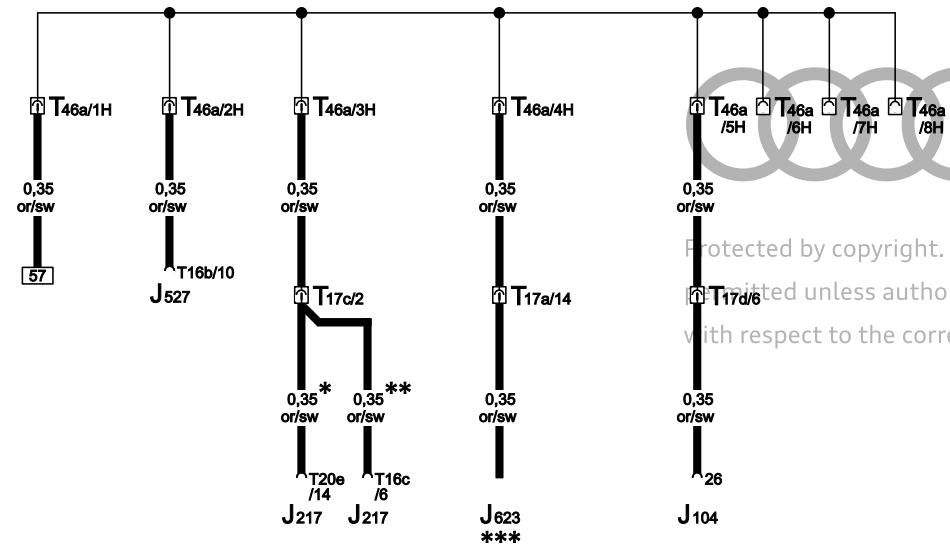
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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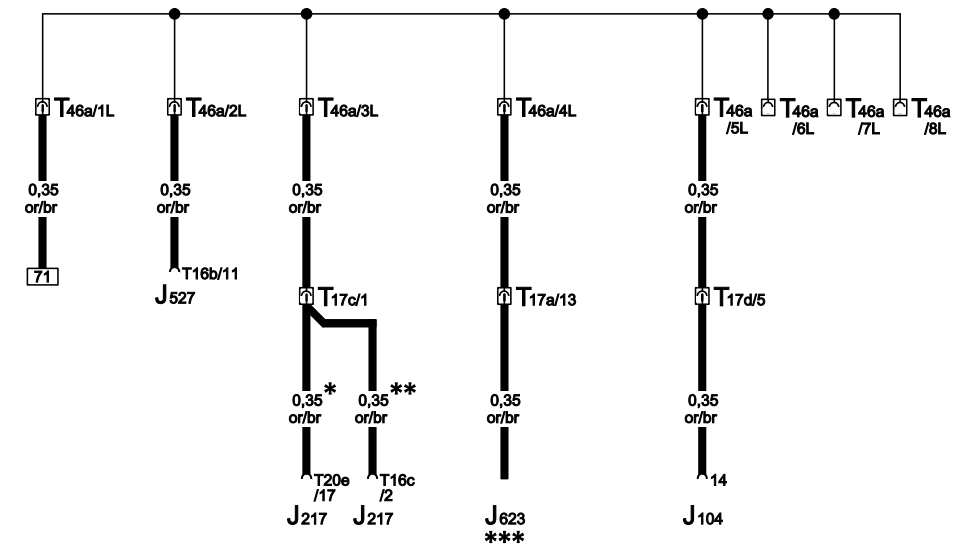
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CAN disconnector left

J104	ABS control unit
J217	Automatic gearbox control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16b	16-pin connector, behind steering column switch trim
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17d	17-pin connector, black, coupling station on left of A-pillar
T20e	20-pin connector, black, on automatic gearbox control unit
T46a	46-pin connector, CAN disconnector left
*	automatic gearbox 01J
**	automatic gearbox 09L
***	⇒ Engine Current Flow Diagram

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

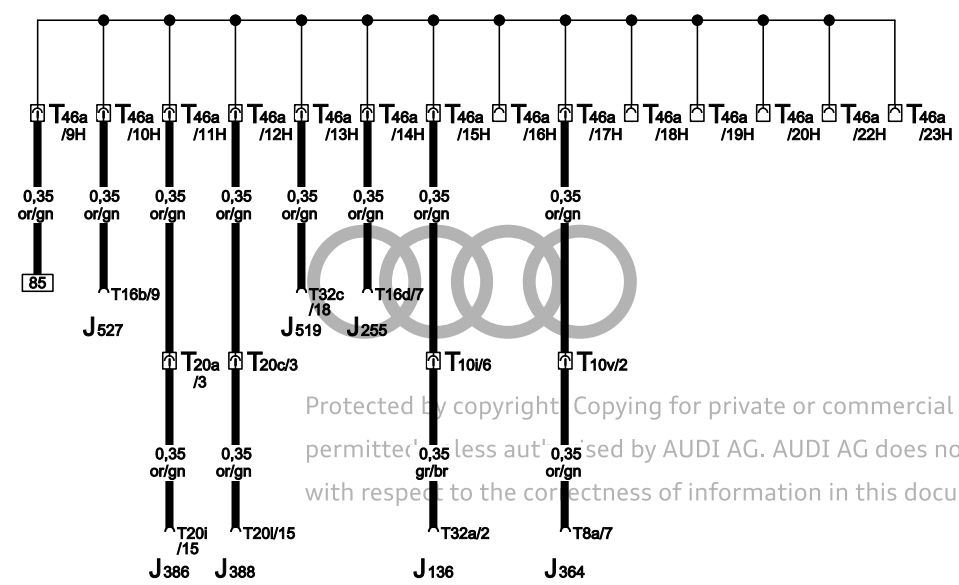
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CAN disconnector left

J104	ABS control unit
J217	Automatic gearbox control unit
J527	Steering column electronics control unit
J623	Engine control unit
T16b	16-pin connector, behind steering column switch trim
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17d	17-pin connector, black, coupling station on left of A-pillar
T20e	20-pin connector, black, on automatic gearbox control unit
T46a	46-pin connector, CAN disconnector left
*	automatic gearbox 01J
**	automatic gearbox 09L
***	⇒ Engine Current Flow Diagram

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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ge	=	yellow
or	=	orange
rs	=	pink

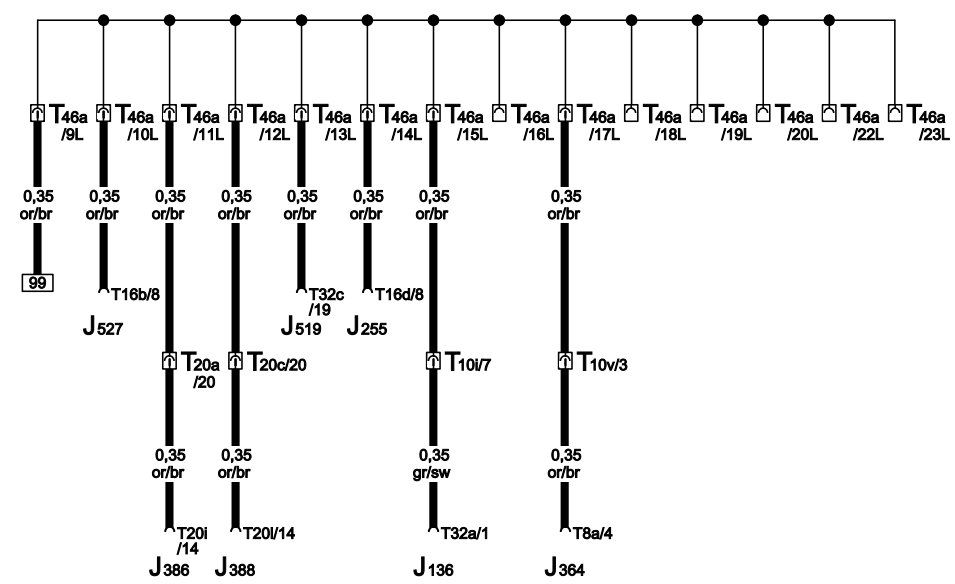


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CAN disconnector left

J136	Seat and steering column adjustment control unit with memory
J255	Climatronic control unit
J364	Auxiliary heater control unit
J386	Driver door control unit
J388	Rear left door control unit
J519	Onboard supply control unit
J527	Steering column electronics control unit
T8a	8-pin connector, black, on auxiliary heater control unit
T10i	10-pin connector, red, on left of seat cross member
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T16b	16-pin connector, behind steering column switch trim
T16d	16-pin connector, brown, connector C, on Climatronic control unit
T20a	20-pin connector, black, left A-pillar
T20c	20-pin connector, black, left B-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
T20l	20-pin connector, black, connector B, on rear left door control unit
T32a	32-pin connector, on seat adjustment with memory control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T46a	46-pin connector, CAN disconnector left

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

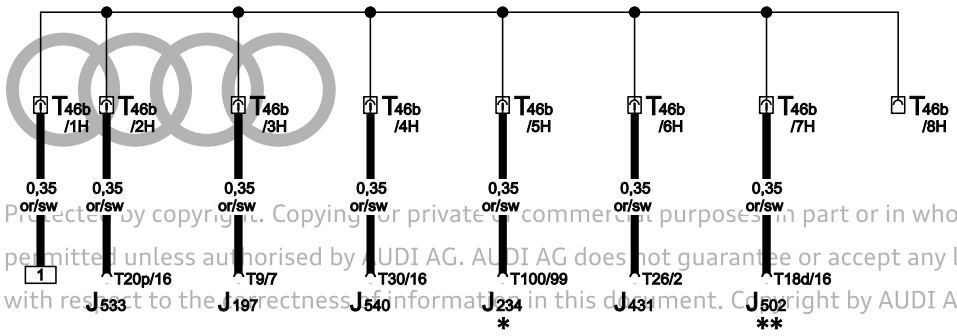


CAN disconnector left

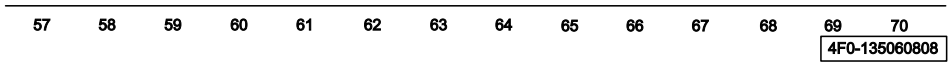
J136	Seat and steering column adjustment control unit with memory
J255	Climatronic control unit
J364	Auxiliary heater control unit
J386	Driver door control unit
J388	Rear left door control unit
J519	Onboard supply control unit
J527	Steering column electronics control unit
T8a	8-pin connector, black, on auxiliary heater control unit
T10i	10-pin connector, red, on left of seat cross member
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T16b	16-pin connector, behind steering column switch trim
T16d	16-pin connector, brown, connector C, on Climatronic control unit
T20a	20-pin connector, black, left A-pillar
T20c	20-pin connector, black, left B-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
T20l	20-pin connector, black, connector B, on rear left door control unit
T32a	32-pin connector, on seat adjustment with memory control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T46a	46-pin connector, CAN disconnector left

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
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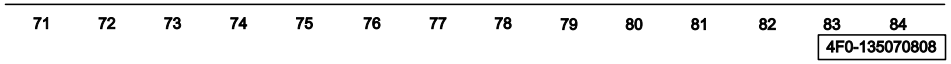
CAN disconnector right

J197	Adaptive suspension control unit
J234	Airbag control unit
J431	Headlight range control, control unit
J502	Tyre pressure monitor control unit
J533	Data bus diagnostic interface
J540	Control unit for electromechanical parking brake
T9	9-pin connector, grey, connector A, on adaptive suspension control unit
T18d	18-pin connector, black, on tyre pressure monitor control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T26	26-pin connector, black, on headlight range control, control unit
T30	30-pin connector, black, on control unit for electromechanical parking brake
T46b	46-pin connector, CAN disconnector right
T100	100-pin connector, blue*, on airbag control unit
*	Connector colour USA: purple
**	models with tyre pressure monitor (7K6)

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

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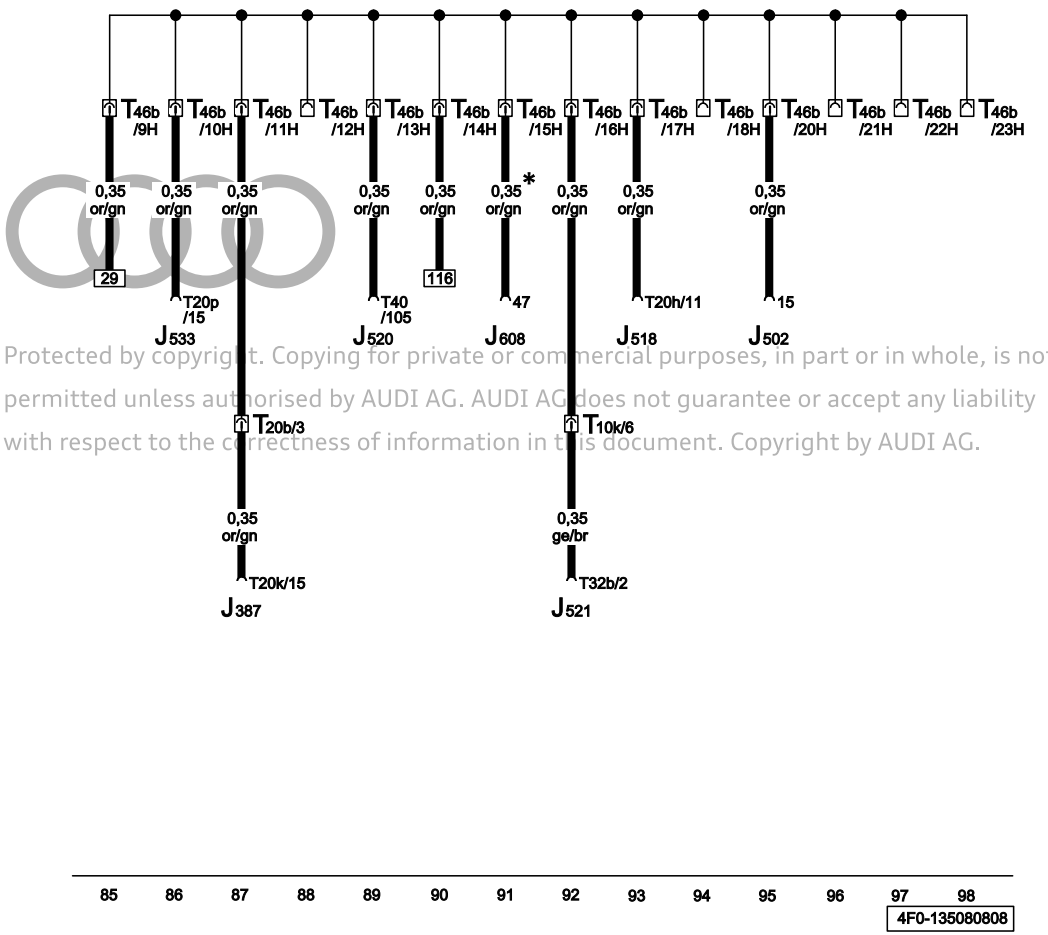




CAN disconnector right

J197	Adaptive suspension control unit
J234	Airbag control unit
J431	Headlight range control, control unit
J502	Tyre pressure monitor control unit
J533	Data bus diagnostic interface
J540	Control unit for electromechanical parking brake
T9	9-pin connector, grey, connector A, on adaptive suspension control unit
T18d	18-pin connector, black, on tyre pressure monitor control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T26	26-pin connector, black, on headlight range control, control unit
T30	30-pin connector, black, on control unit for electromechanical parking brake
T46b	46-pin connector, CAN disconnector right
T100	100-pin connector, blue*, on airbag control unit
*	Connector colour USA: purple
**	models with tyre pressure monitor (7K6)

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



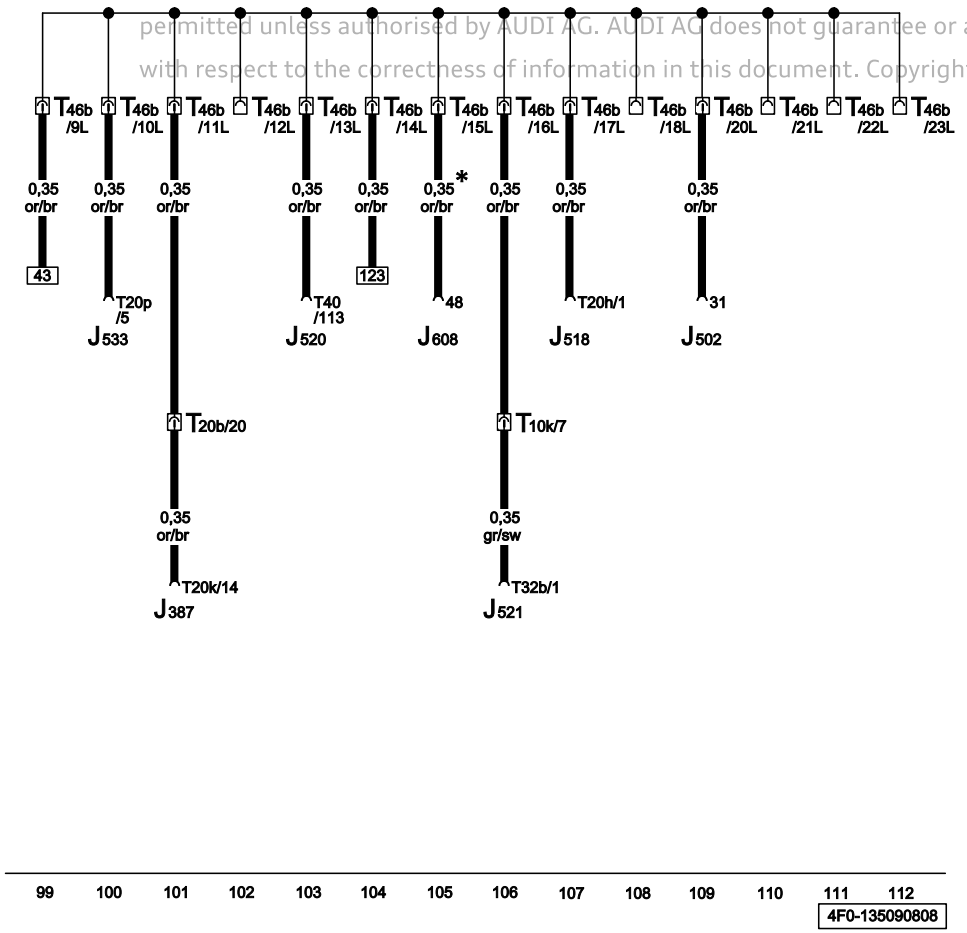
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CAN disconnector right

J387	Front passenger door control unit
J502	Tyre pressure monitor control unit
J518	Entry and start authorisation control unit
J520	Onboard supply control unit 2
J521	Front passenger seat adjustment with memory control unit
J533	Data bus diagnostic interface
J608	Special vehicle control unit
T10k	10-pin connector, red, on right of seat cross member
T20b	20-pin connector, black, right A-pillar
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T20k	20-pin connector, black, connector B, on front passenger door control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
T40	40-pin connector, black, on onboard supply control unit 2
T46b	46-pin connector, CAN disconnector right
*	Taxi, police, special vehicle

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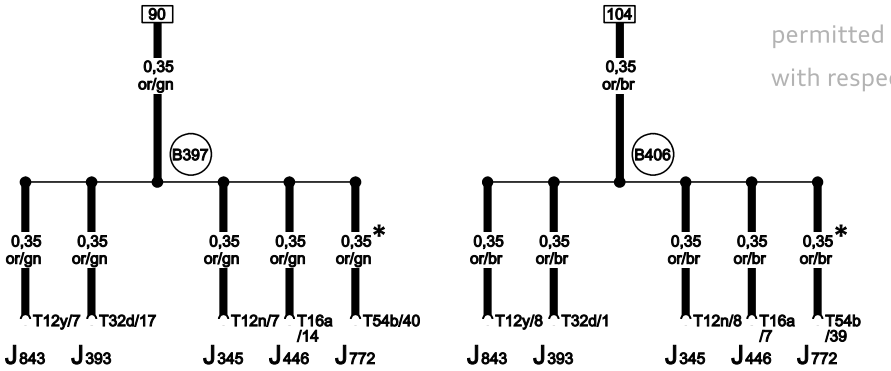
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CAN disconnector right

J387	Front passenger door control unit
J502	Tyre pressure monitor control unit
J518	Entry and start authorisation control unit
J520	Onboard supply control unit 2
J521	Front passenger seat adjustment with memory control unit
J533	Data bus diagnostic interface
J608	Special vehicle control unit
T10k	10-pin connector, red, on right of seat cross member
T20b	20-pin connector, black, right A-pillar
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T20k	20-pin connector, black, connector B, on front passenger door control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T32b	32-pin connector, on front passenger seat adjustment with memory control unit
T40	40-pin connector, black, on onboard supply control unit 2
T46b	46-pin connector, CAN disconnector right
*	Taxi, police, special vehicle

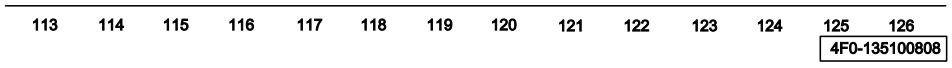
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Connection 1 (convenience CAN bus, high), connection 1 (convenience CAN bus, low)

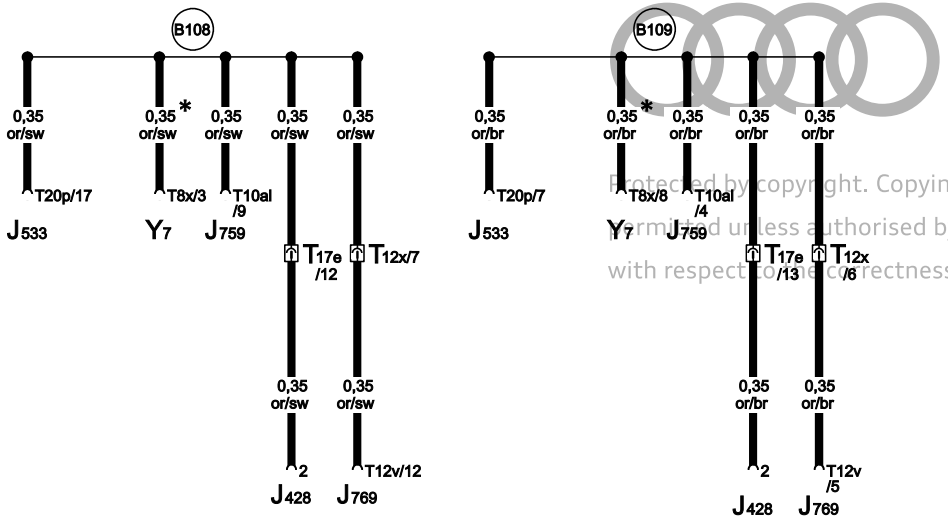
J345	Trailer detector control unit
J393	Convenience system central control unit
J446	Parking aid control unit
J772	Reversing camera system control unit
J843	Interface control unit for vehicle location system
T12n	12-pin connector, red, connector B, on trailer detector control unit
T12y	12-pin connector, brown, on interface control unit for vehicle location system
T16a	16-pin connector, brown, connector A, on parking aid control unit
T32d	32-pin connector, blue, connector B, on convenience system central control unit
T54b	54-pin connector, on reversing camera system control unit
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	models with reversing camera system



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

Connection 1 (extended CAN bus, high), connection 1 (extended CAN bus, low)

J428	Adaptive cruise control unit
J533	Data bus diagnostic interface
J759	Lane departure warning control unit
J769	Lane change assist control unit
T8x	8-pin connector, black, on front roof console
T10al	10-pin connector, black, on lane departure warning control unit
T12v	12-pin connector, black, on lane change assist control unit
T12x	12-pin connector, black, on right in luggage compartment
T17e	17-pin connector, red, coupling station on left of A-pillar
T20p	20-pin connector, black, on data bus diagnostic interface
Y7	Automatic anti-dazzle interior mirror
B108	Connection 1 (CAN bus extended high) in main wiring harness
B109	Connection 1 (CAN bus extended low) in main wiring harness
*	models with main beam assistant



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Adaptive cruise control (ACC)

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

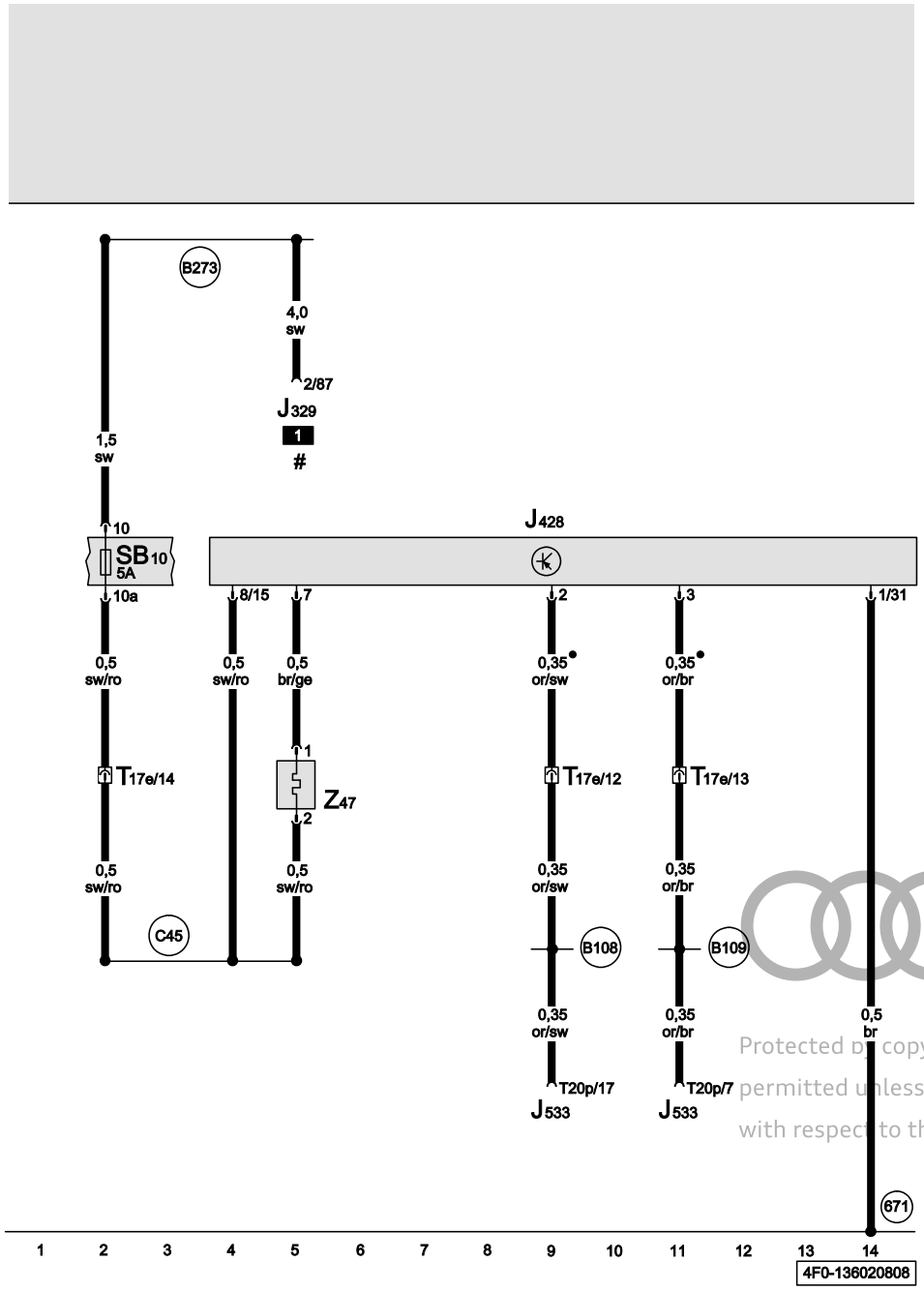
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Adaptive cruise control unit, sensor heater for adaptive cruise control system

J329	Terminal 15 voltage supply relay
J428	Adaptive cruise control unit
J533	Data bus diagnostic interface
SB10	Fuse 10 on fuse holder B
T17e	17-pin connector, red, coupling station on left of A-pillar
T20p	20-pin connector, black, on data bus diagnostic interface
Z47	Sensor heater for adaptive cruise control system
671	Earth point 1, on front of left longitudinal member
B108	Connection 1 (CAN bus extended high) in main wiring harness
B109	Connection 1 (CAN bus extended low) in main wiring harness
B273	Positive connection (15), in main wiring harness
C45	Positive connection 1 (15), in front wiring harness
•	CAN bus (data wire)
#	9-point relay carrier, behind driver storage compartment

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Electric tyre pressure monitor positive (7K6)

from September 2008

Notes:

For information concerning

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- Multi-pin connections
- Control units and relays
- Earth connections

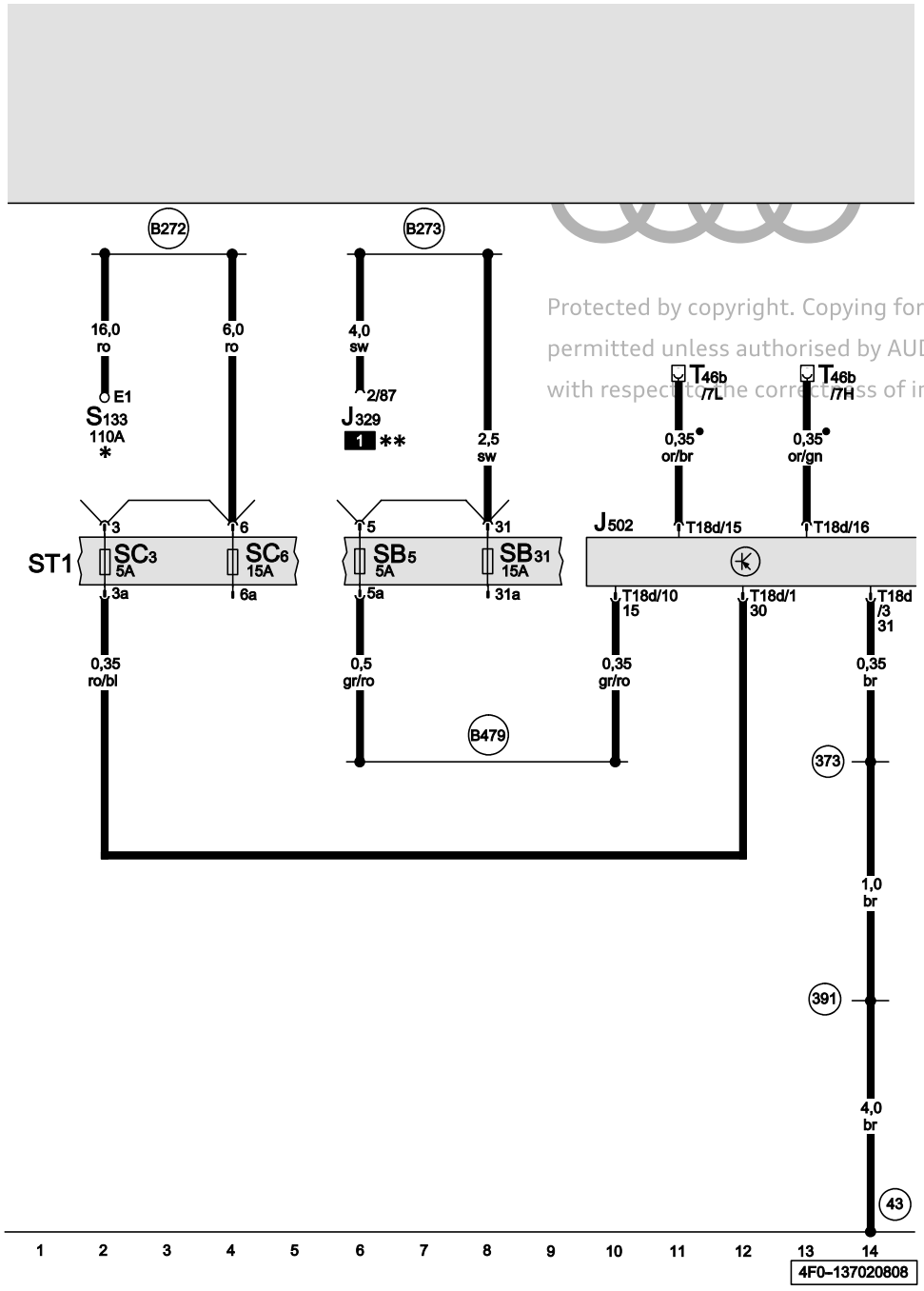
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Tyre pressure monitor control unit, fuses

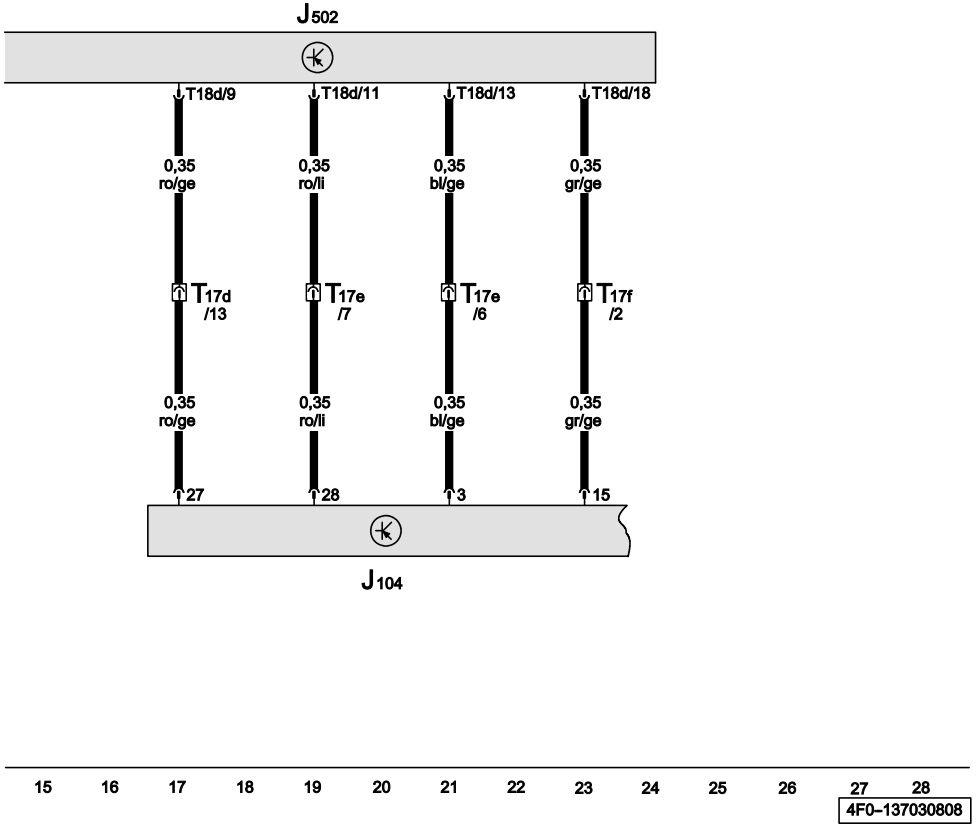
J329	Terminal 15 voltage supply relay
J502	Tyre pressure monitor control unit
S133	Fuse 3
SB5	Fuse 5 on fuse holder B
SB31	Fuse 31 on fuse holder B
SC3	Fuse 3 on fuse holder C
SC6	Fuse 6 on fuse holder C
T18d	18-pin connector, black, on tyre pressure monitor control unit
T46b	46-pin connector, CAN separating connector right
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B479	Connection 15 in main wiring harness
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery
**	9-point relay carrier, behind driver storage compartment

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Tyre pressure monitor control unit, ABS control unit

J104	ABS control unit
J502	Tyre pressure monitor control unit
T17d	17-pin connector, black, coupling station on left of A-pillar
T17e	17-pin connector, red, coupling station on left of A-pillar
T17f	17-pin connector, green, coupling station on left of A-pillar
T18d	18-pin connector, black, on tyre pressure monitor control unit

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Lane change assist (7Y1)

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

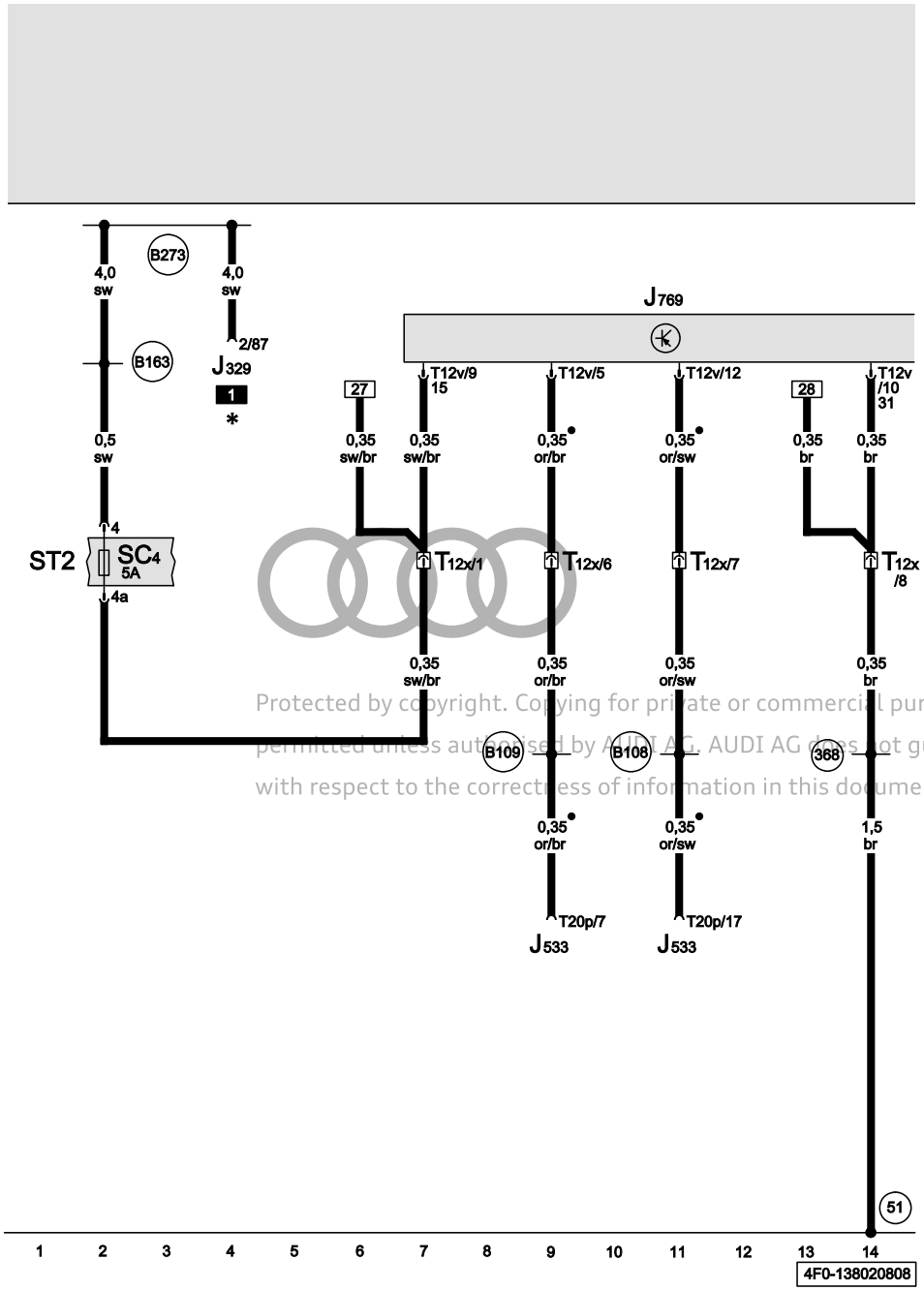
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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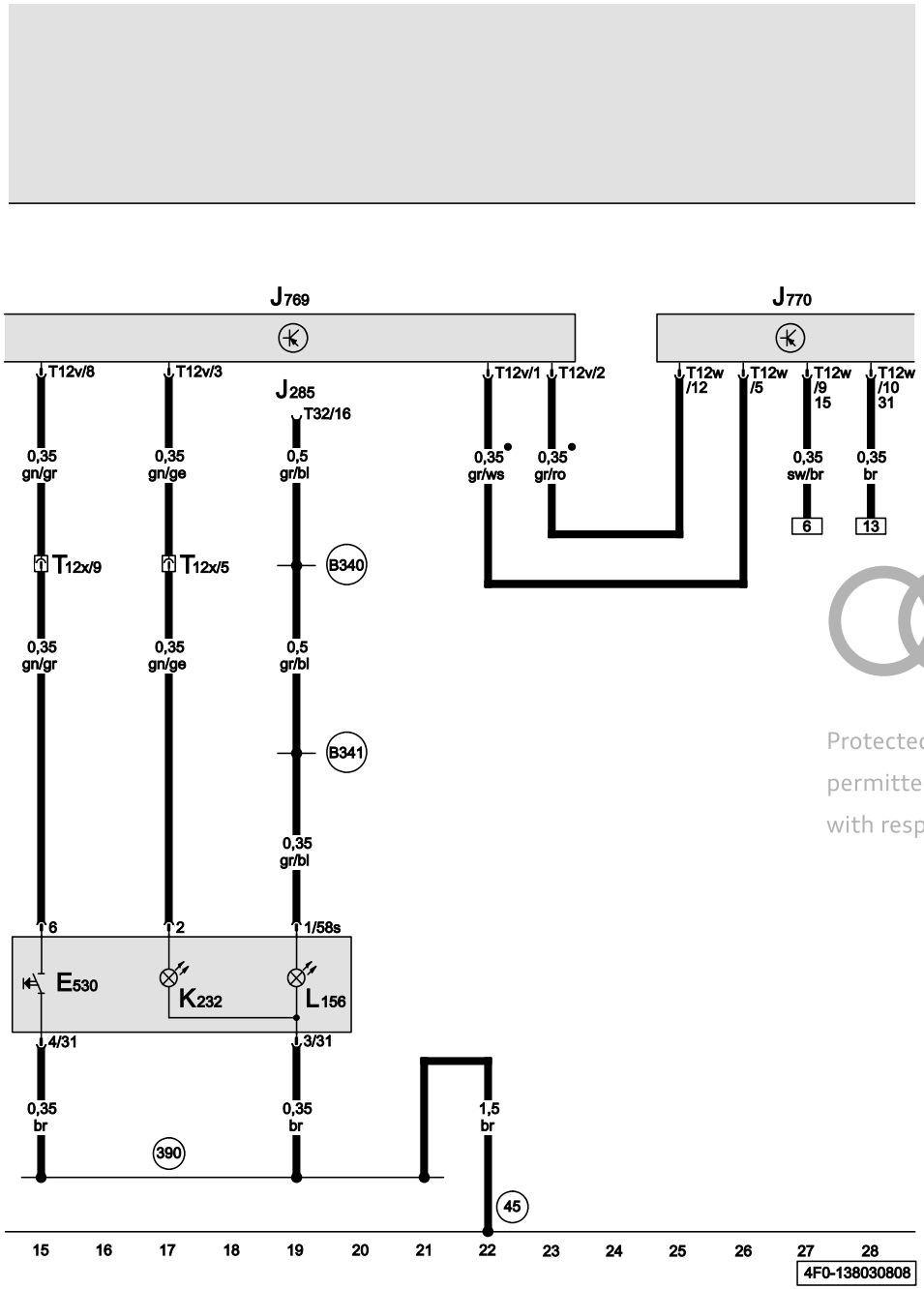


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Lane change assist control unit, fuses

J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
J769	Lane change assist control unit
SC4	Fuse 4 on fuse holder C
T12v	12-pin connector, black, on lane change assist control unit
T12x	12-pin connector, black, on right in luggage compartment
T20p	20-pin connector, black, on data bus diagnostic interface
51	Earth point, on right in luggage compartment
368	Earth connection 3, 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
B163	Positive connection 1 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment

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Lane change assist control unit, lane change assist control unit 2, button for lane change assist, lane change assist warning lamp

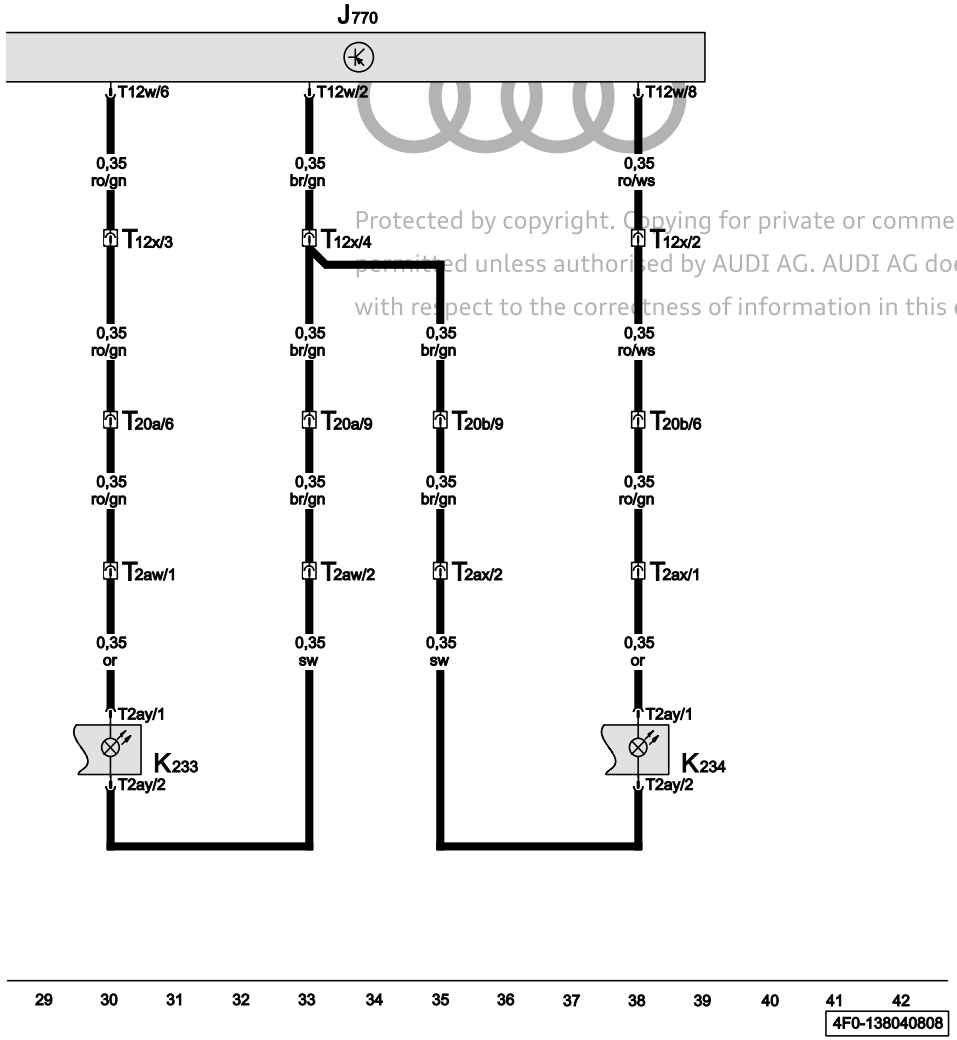
E530	Button for lane change assist
J285	Control unit in dash panel insert
J769	Lane change assist control unit
J770	Lane change assist control unit 2
K232	Lane change assist warning lamp
L156	Switch illumination bulb
T12v	12-pin connector, black, on lane change assist control unit
T12w	12-pin connector, black, on lane change assist control unit 2
T12x	12-pin connector, black, on right in luggage compartment
T32	32-pin connector, grey, on dash panel insert
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
•	CAN bus (data wire)

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Lane change assist control unit 2, lane change assist warning lamp in driver side exterior mirror, lane change assist warning lamp in front passenger side exterior mirror

J770	Lane change assist control unit 2
K233	Lane change assist warning lamp in driver side exterior mirror
K234	Lane change assist warning lamp in front passenger side exterior mirror
T2aw	2-pin connector, black, in driver door
T2ax	2-pin connector, black, in front passenger door
T2ay	2 pin connector, lane change assist in exterior mirror
T12w	12-pin connector, black, on lane change assist control unit 2
T12x	12-pin connector, black, on right in luggage compartment
T20a	20-pin connector, black, left A-pillar
T20b	20-pin connector, black, right A-pillar



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Interface for special functions:

from September 2008

Notes:

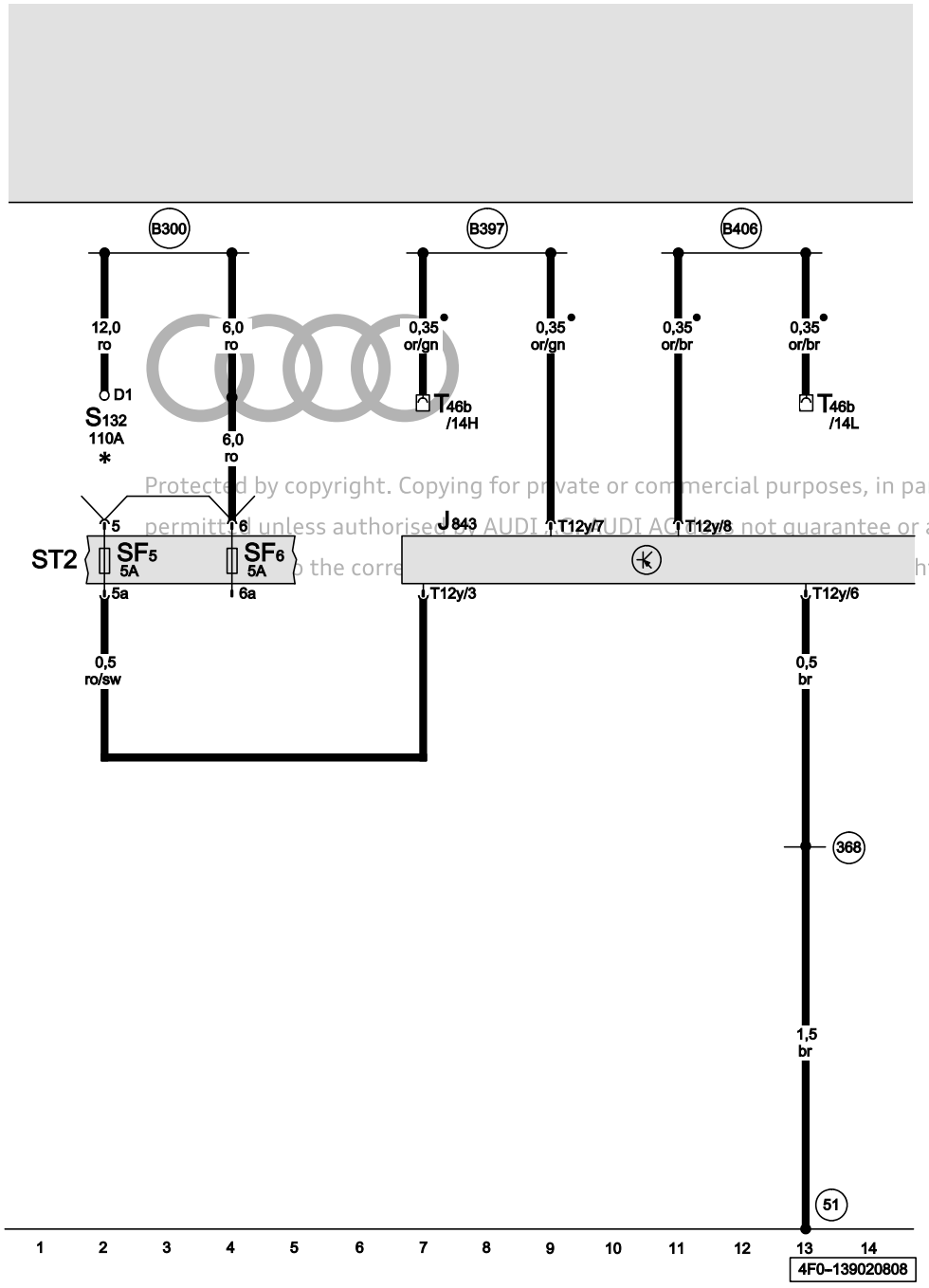
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

⇒ guided fault finding

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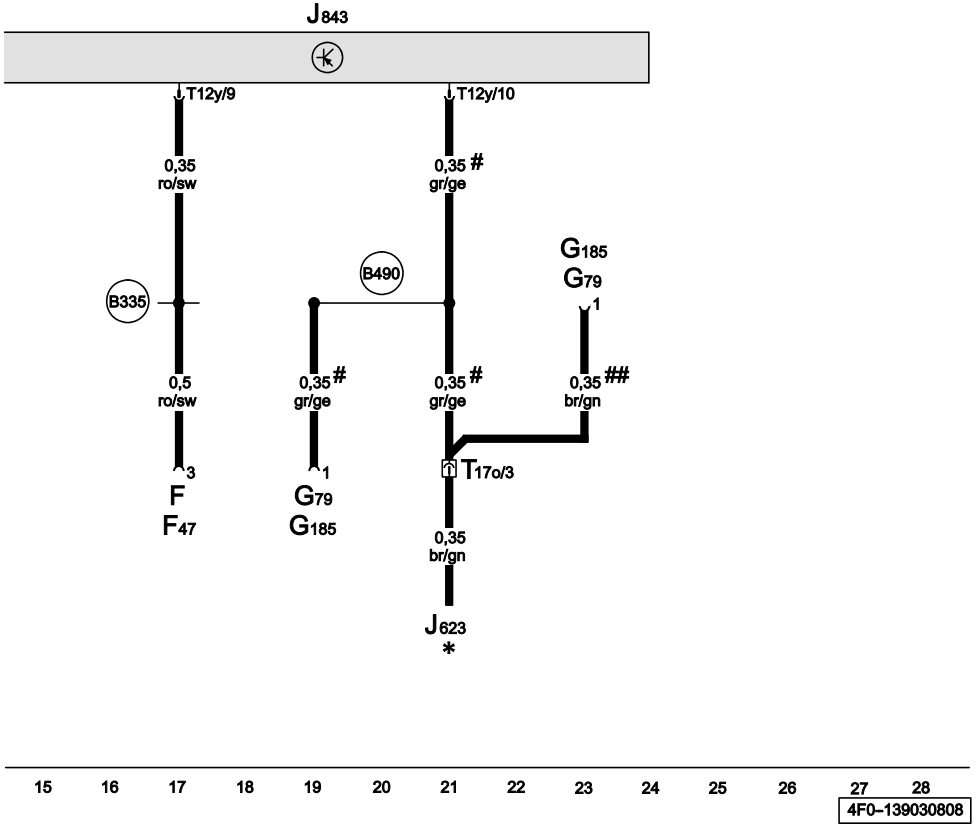
Interface control unit for vehicle location system, fuses

J843	Interface control unit for vehicle location system
S132	Fuse 2
SF5	Fuse 5 on fuse holder F
SF6	Fuse 6 on fuse holder F
T12y	12-pin connector, brown, on interface control unit for vehicle location system
T46b	46-pin connector, CAN separating connector right
51	Earth point, on right in luggage compartment
368	Earth connection 3, in main wiring harness
B300	Positive connection 4 (30), 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
•	CAN bus (data wire)
*	main fuse box, in luggage compartment, rear right, on the battery

Interface control unit for vehicle location system

F	Brake light switch
F47	Brake pedal switch
G79	Accelerator position sender
G185	Accelerator position sender 2
J623	Engine control unit
J843	Interface control unit for vehicle location system
T12y	12-pin connector, brown, on interface control unit for vehicle location system
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
B335	Connection 1 (54), in main wiring harness
B490	Connection 26 in main wiring harness
*	⇒ Engine Current Flow Diagram
#	models with interface control unit for vehicle location system
##	models without interface control unit for vehicle location system

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Preparation for multimedia (9WM)

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

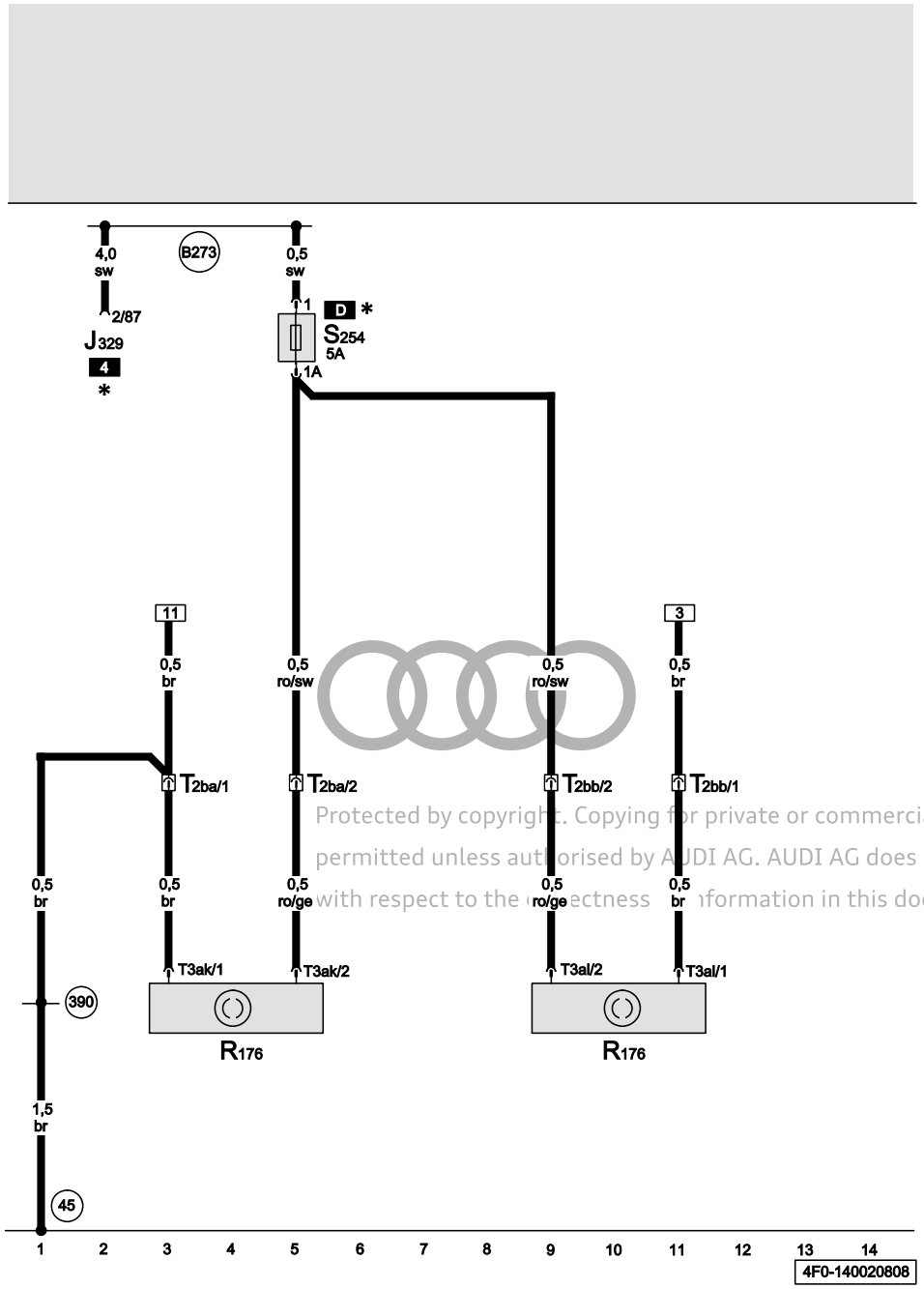
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Preparation for multimedia

J329	Terminal 15 voltage supply relay
R176	Additional connections unit for audio and video
S254	Communications fuse
T2ba	2-pin connector, black, on left of seat cross member
T2bb	2-pin connector, black, on right of seat cross member
T3ak	3-pin connector, in upper driver seat back
T3al	3-pin connector, in upper front passenger seat back
45	Earth point, centre behind dash panel
390	Earth connection 25, in main wiring harness
B273	Positive connection (15), in main wiring harness
*	9-point relay carrier, behind driver storage compartment

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Audi S6 5.2 l Fuel injection engine (320 kW - 10 cylinder), engine code BXA

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

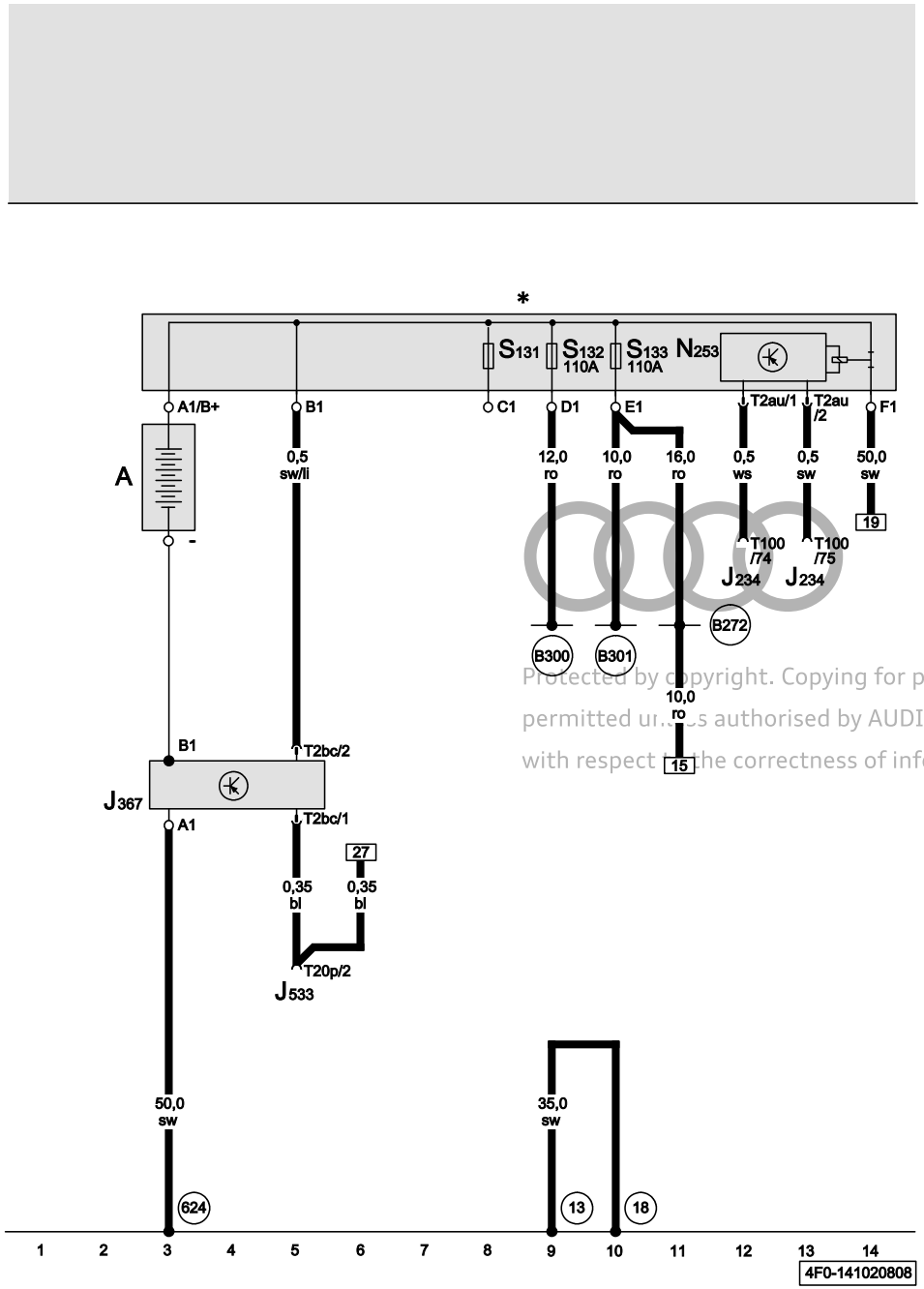
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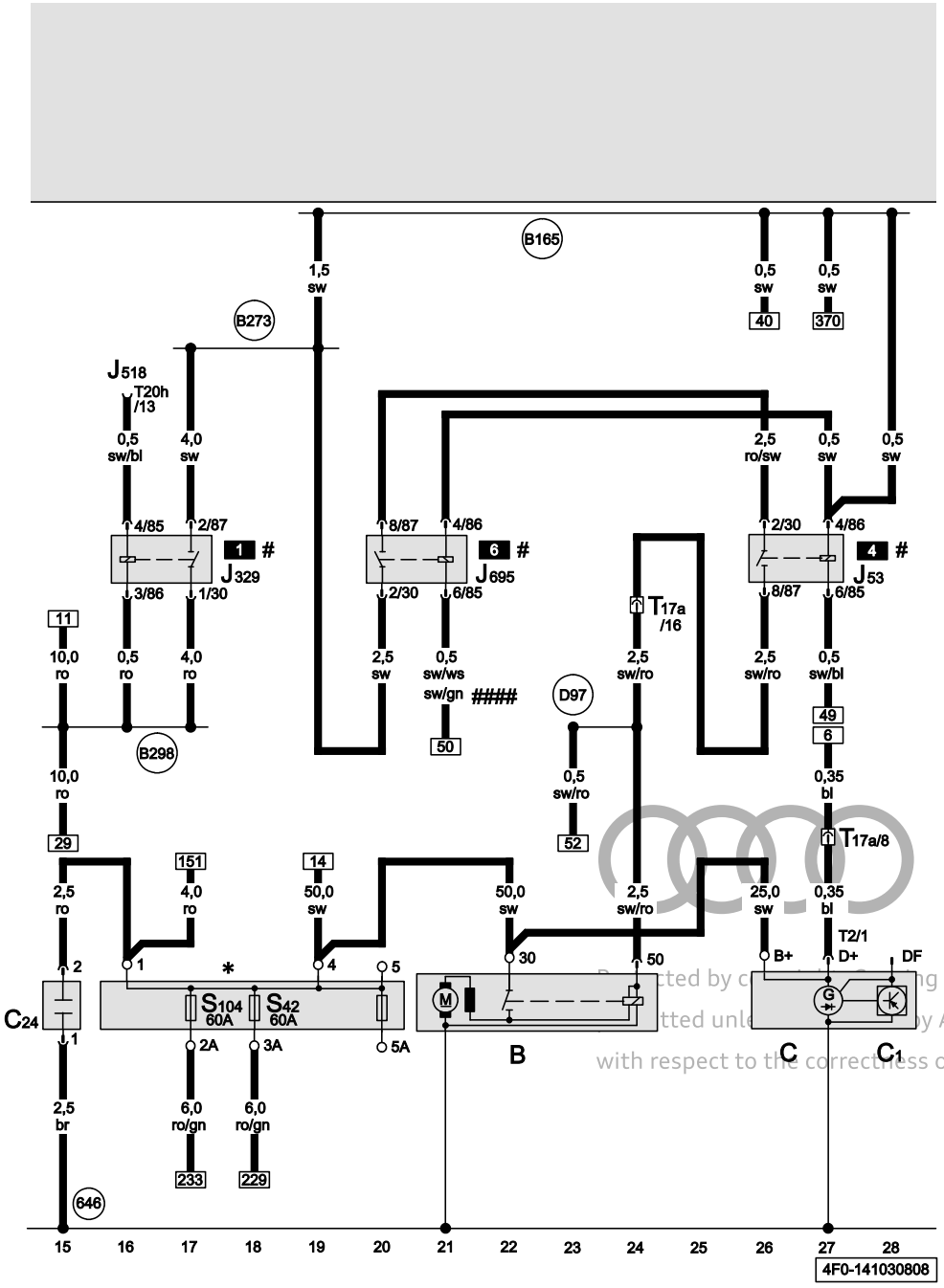


Battery, battery monitor control unit, battery isolation igniter, fuses

A	Battery
J234	Airbag control unit
J367	Battery monitor control unit
J533	Data bus diagnostic interface
N253	Battery isolation igniter
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
T2au	2-pin connector, purple, on battery isolation igniter
T2bc	2-pin connector, yellow, on battery monitor control unit
T20p	20-pin connector, black, on data bus diagnostic interface
T100	100-pin connector, blue, on airbag control unit
13	Earth point, on right in engine compartment
18	Earth point on engine block
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery

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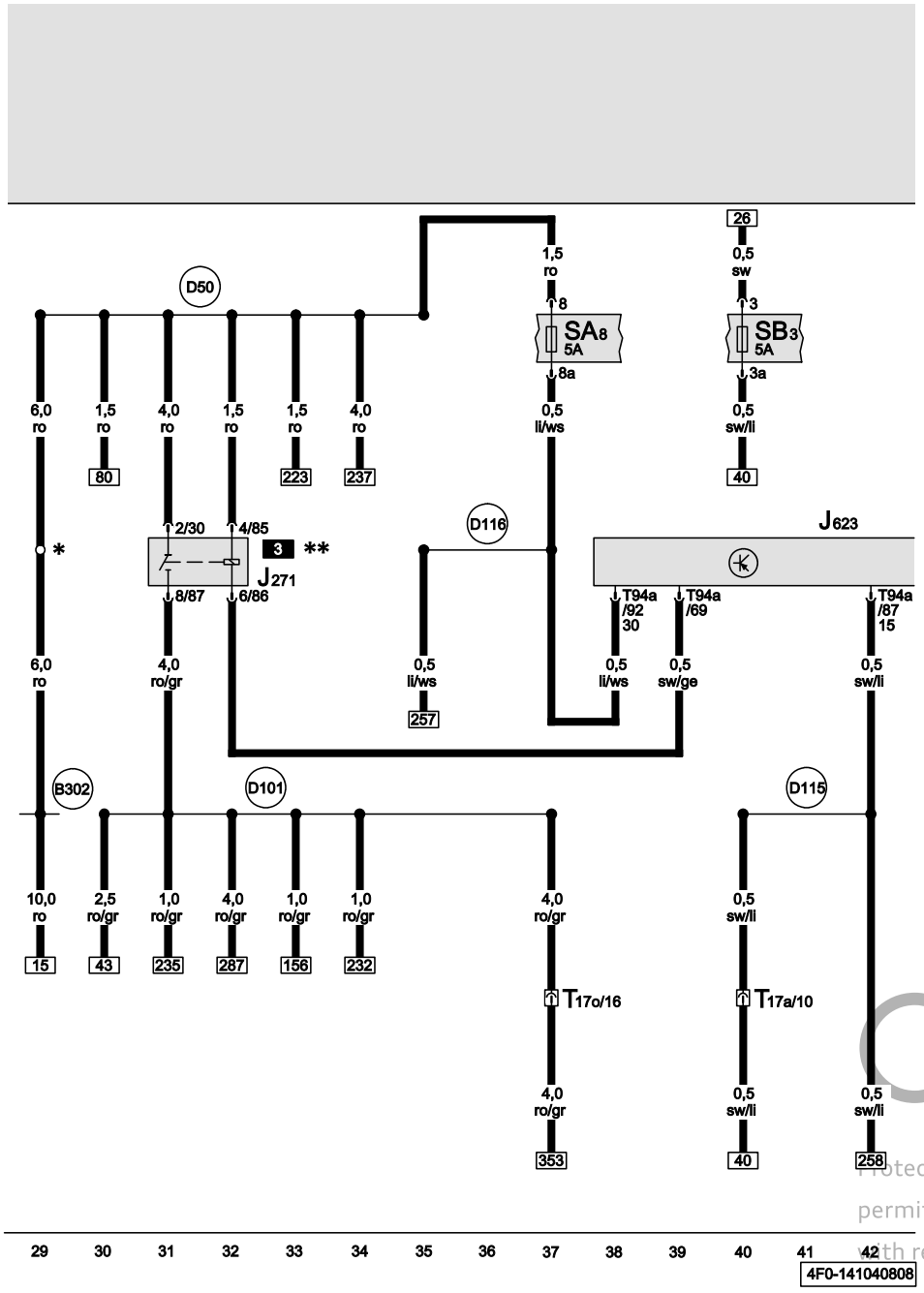


Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

B	Starter
C	Alternator
C1	Voltage regulator
C24	Suppression filter
J53	Starter motor relay
J329	Terminal 15 voltage supply relay
J518	Entry and start authorisation control unit
J695	Starter motor relay 2
S42	Radiator fan single fuse
S104	Radiator fan fuse for 2nd speed
T2	2-pin connector, black, on alternator
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
646	Earth point 2, on bulkhead
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
D97	Connection (50), in engine compartment right wiring harness
*	Main fuse carrier electronics box right in plenum chamber
#	9-point relay carrier, behind driver storage compartment
####	right-hand drive

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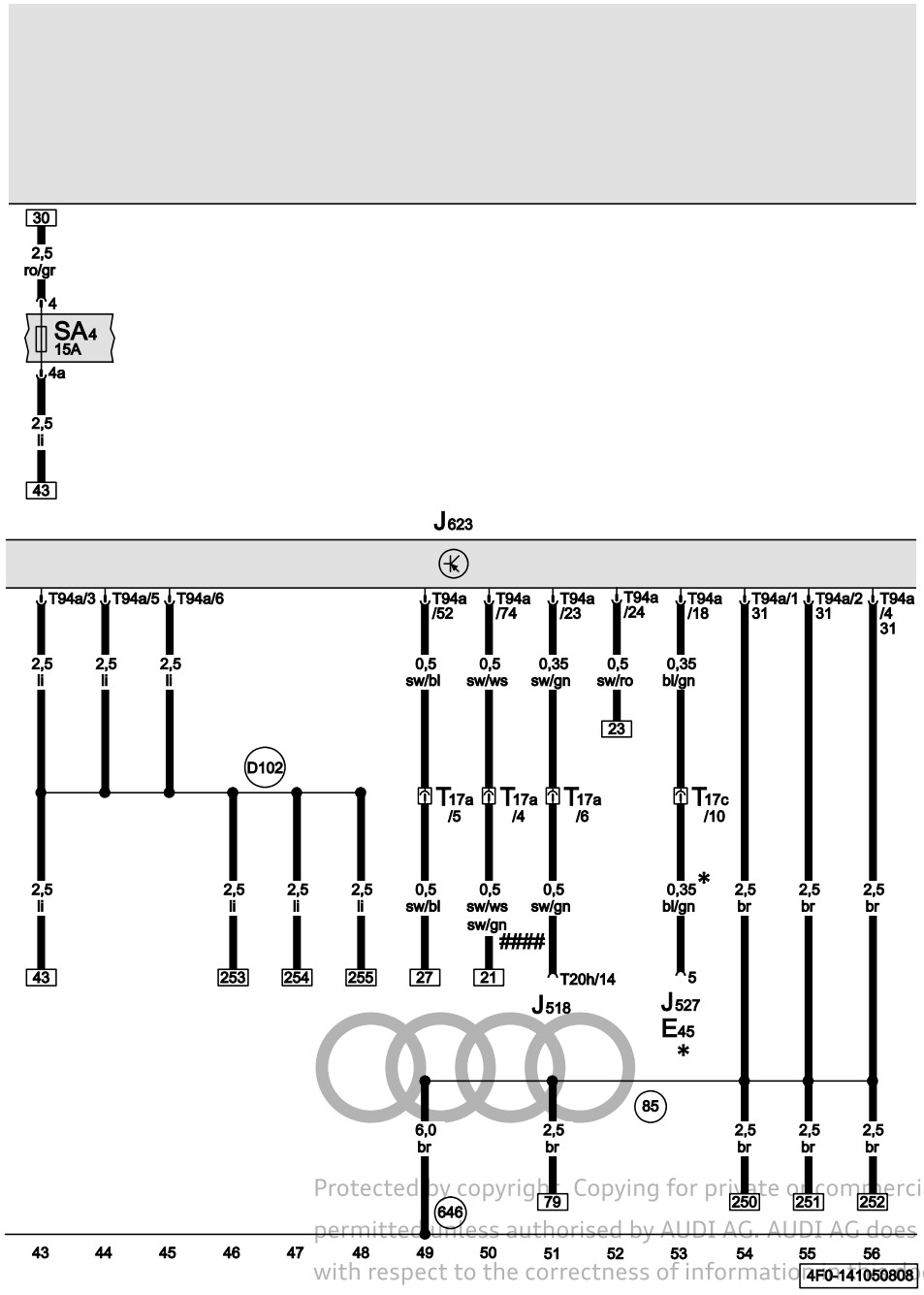


Engine control unit, Motronic current supply relay

J271	Motronic current supply relay
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
SB3	Fuse 3 on fuse holder B
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
B302	Positive connection 6 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
D115	Connection 13, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	Screw connection in electronics box left in plenum chamber
**	Relay carrier electronics box left in plenum chamber

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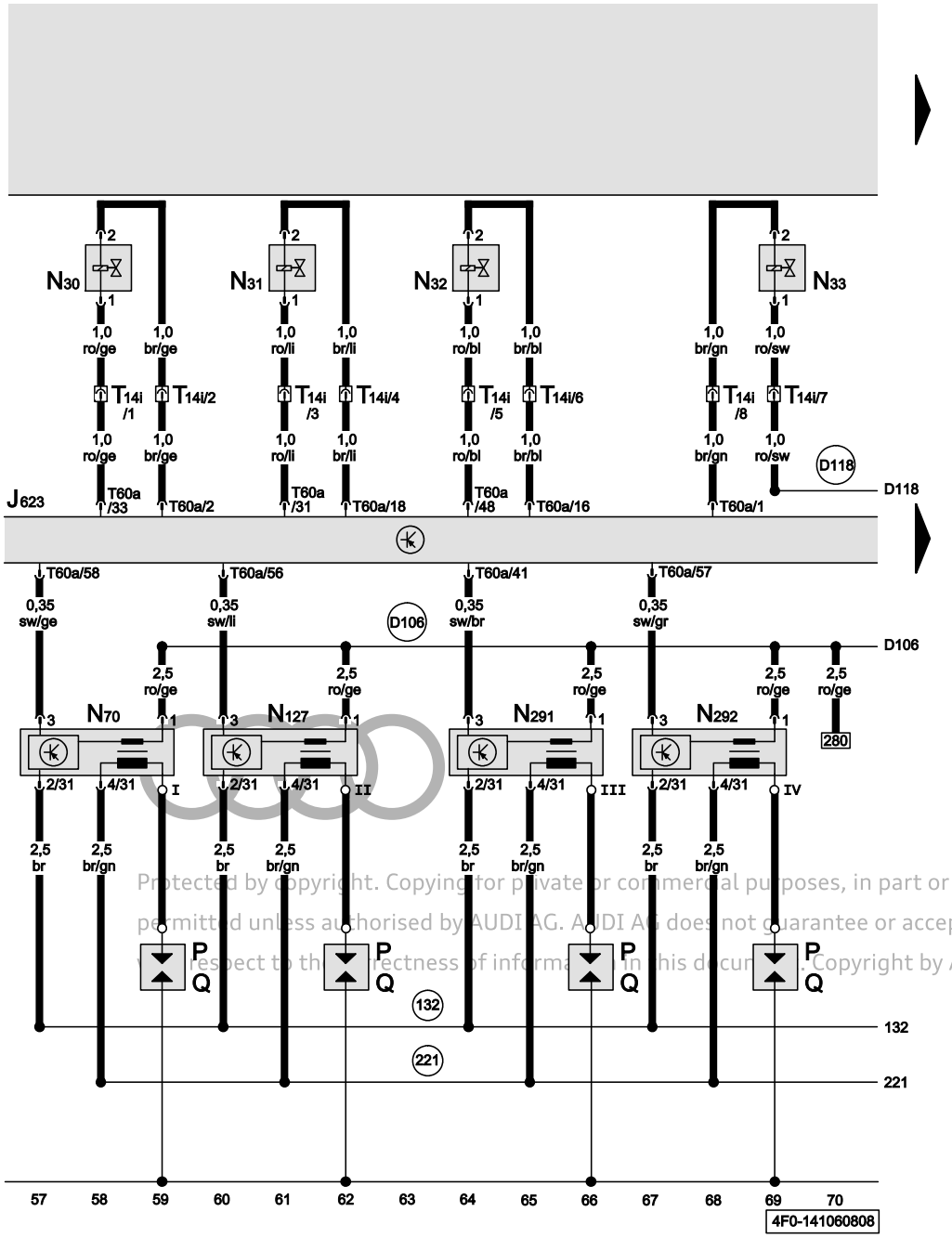
Engine control unit

E45	Cruise control system switch
J518	Entry and start authorisation control unit
J527	Steering column electronics control unit
J623	Engine control unit
SA4	Fuse 4 on fuse holder A
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
85	Earth connection 1, in engine compartment wiring harness
646	Earth point 2, on bulkhead
D102	Connection 2, in engine compartment wiring harness
*	models with cruise control system
####	right-hand drive

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Engine control unit, injectors cylinder 1 up to 4, ignition coils 1 up to 4 with output stage

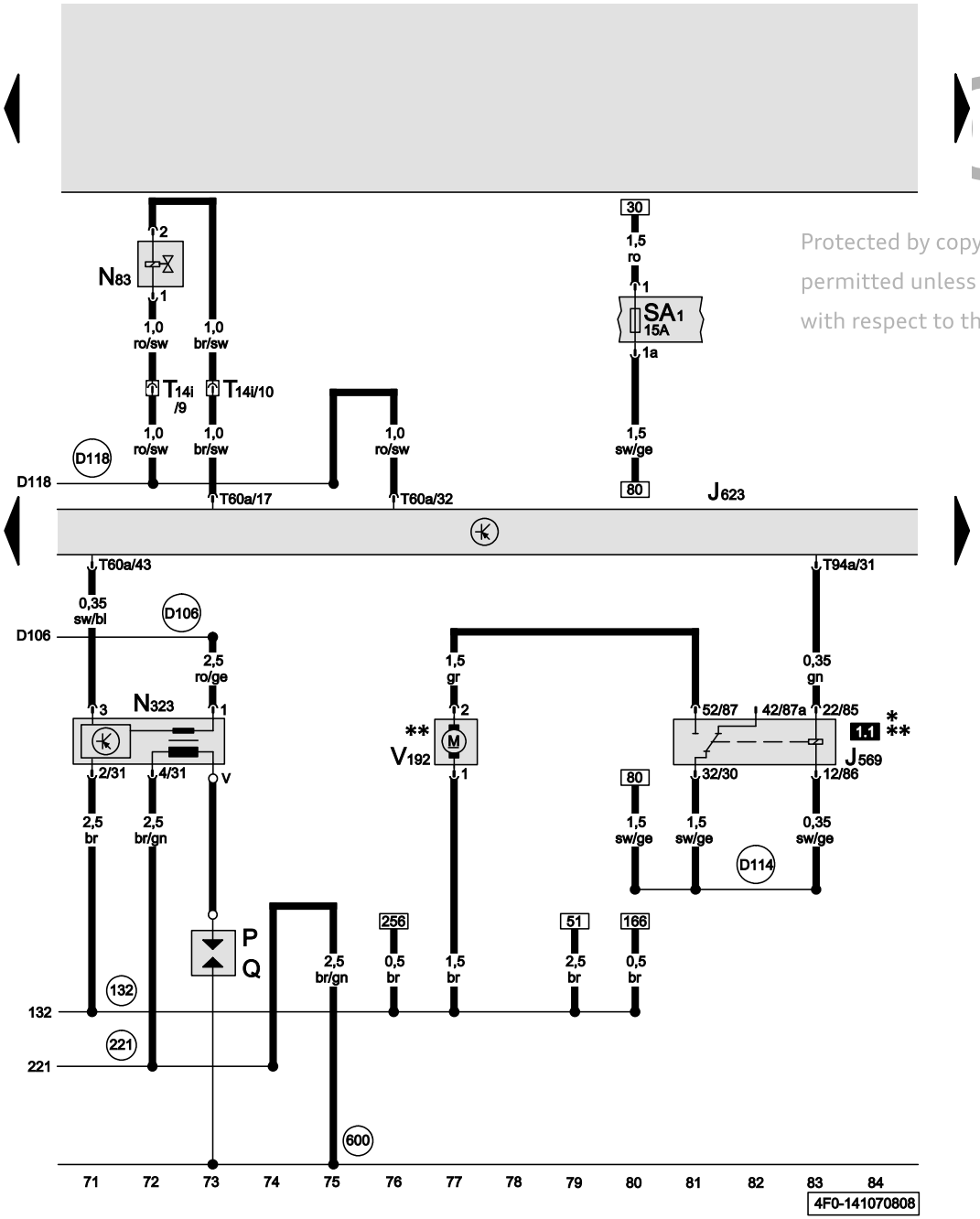


J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
P	Spark plug connector
Q	Spark plugs
T14i	14-pin connector, black, on right in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
132	Earth connection 3, in engine compartment wiring harness
221	Earth connection (engine earth), in engine wiring harness
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness

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

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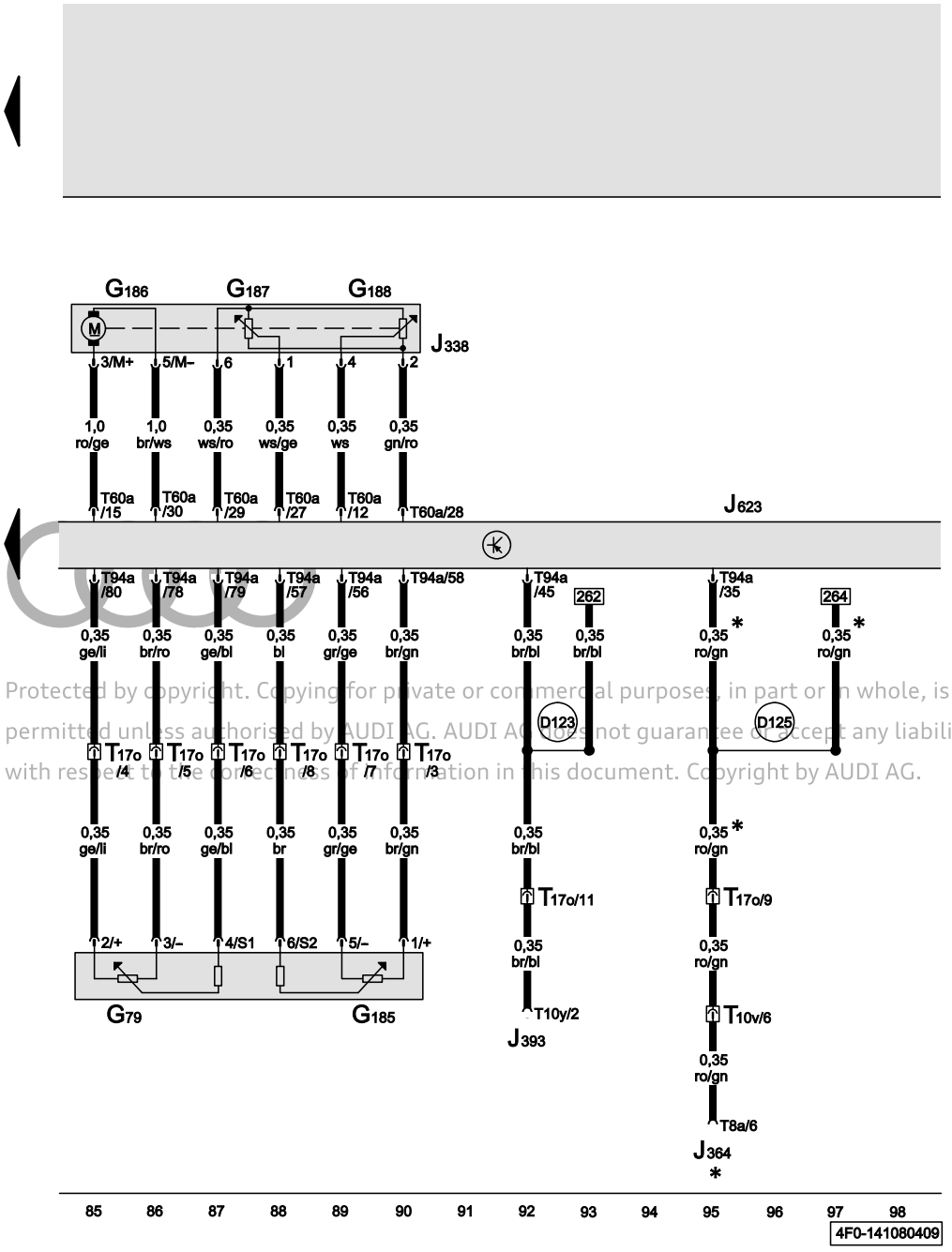
Engine control unit, injector, cylinder 5, ignition coil 5 with output stage, brake servo relay, vacuum pump for brakes



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J569	Brake servo relay
J623	Engine control unit
N83	Injector, cylinder 5
N323	Ignition coil 5 with output stage
P	Spark plug connector
Q	Spark plugs
SA1	Fuse 1 on fuse holder A
T14i	14-pin connector, black, on right in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V192	Vacuum pump for brakes
132	Earth connection 3, in engine compartment wiring harness
221	Earth connection (engine earth), in engine wiring harness
600	Earth point, on right of cylinder head
D106	Connection 4, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber
**	models with automatic gearbox

ws	=	white
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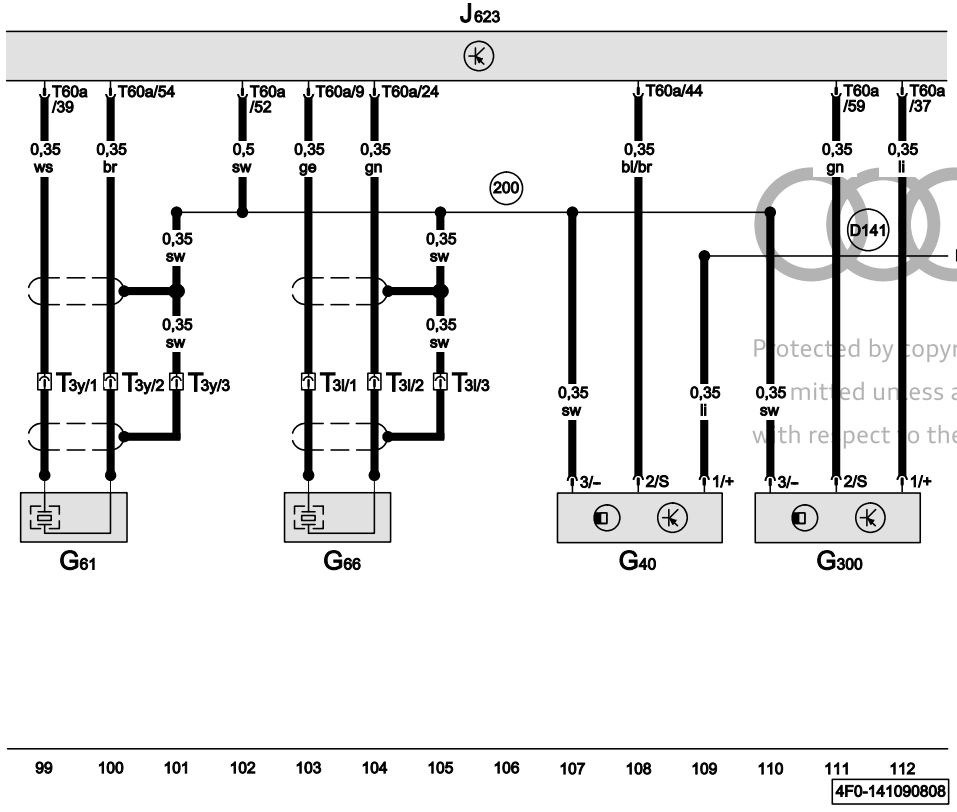
Engine control unit, throttle valve module, accelerator position sender

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J364	Auxiliary heater control unit
J393	Convenience system central control unit
J623	Engine control unit
T8a	8-pin connector, black, on auxiliary heater control unit
T10v	10-pin connector, white, coupling station on electronics box, left in plenum chamber
T10y	10-pin connector, black, connector C, on convenience system control unit
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
D123	Connection 21, in engine compartment wiring harness
D125	Connection 23, in engine compartment wiring harness
*	models with auxiliary heater

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Engine control unit, Hall sender, knock sensors

G40	Hall sender
G61	Knock sensor 1
G66	Knock sensor 2
G300	Hall sender 3
J623	Engine control unit
T3l	3-pin connector, grey, on knock sensor 2
T3y	1-pin connector, orange, on knock sensor 3
T60a	60-pin connector, black, connector A, on engine control unit
200	Earth connection (screening) in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness

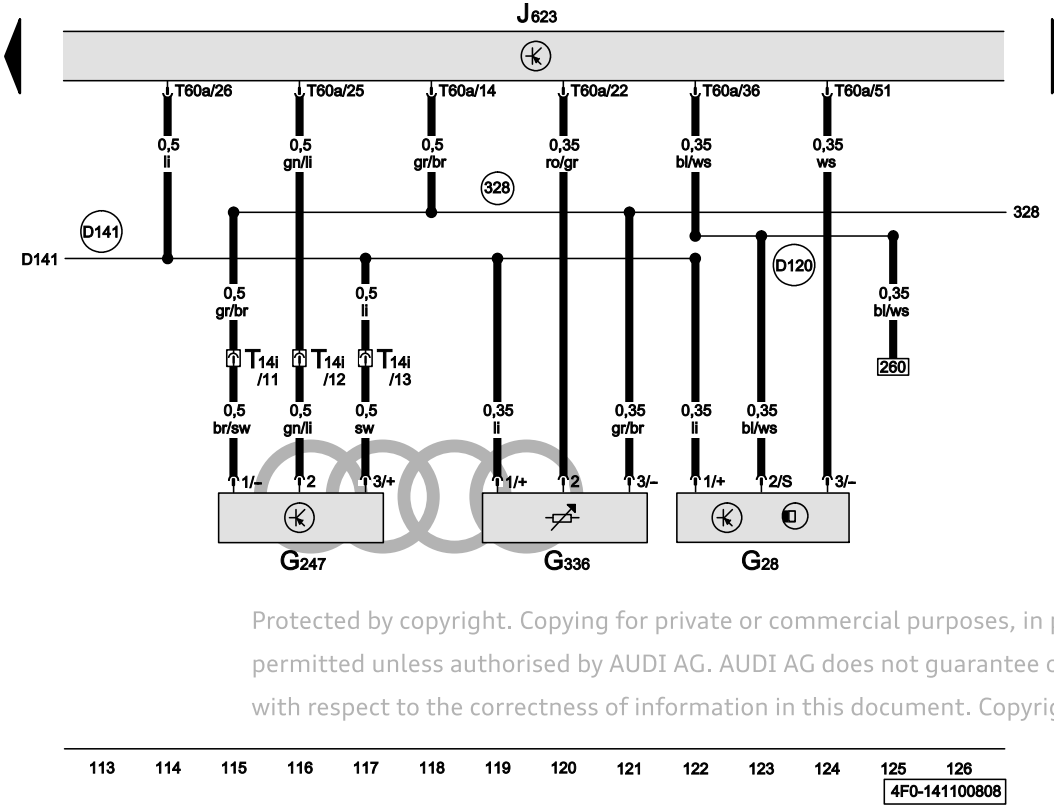


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Engine control unit, engine speed sender, fuel pressure sender, intake manifold flap potentiometer

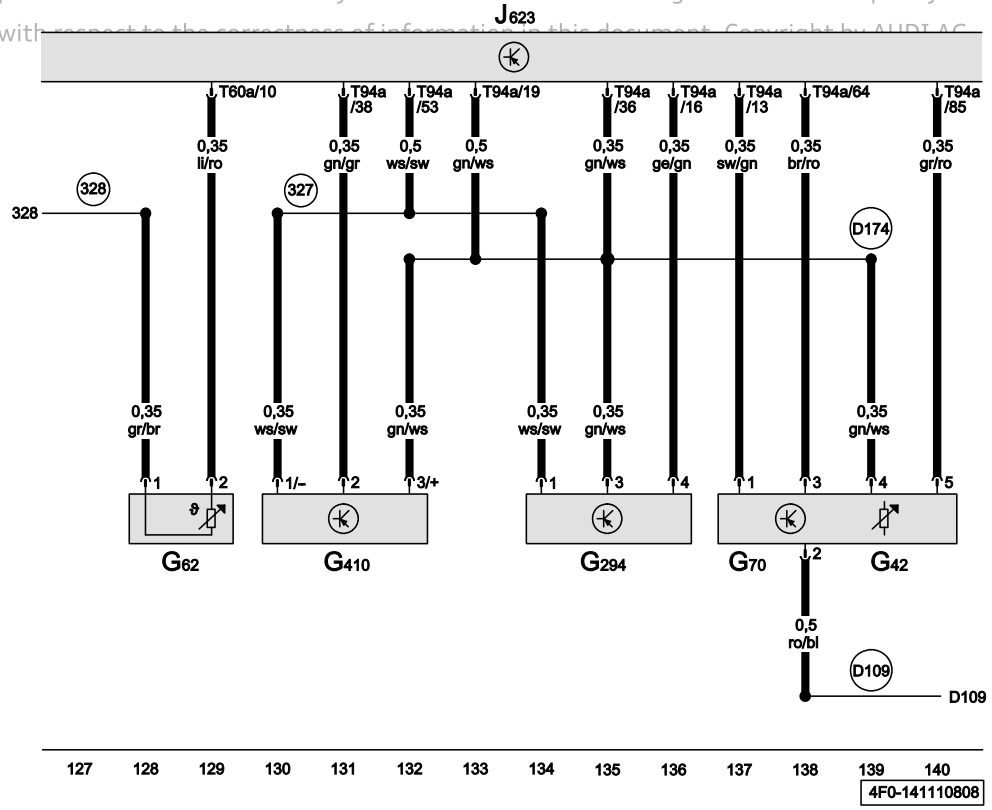
G28	Engine speed sender
G247	Fuel pressure sender
G336	Intake manifold flap potentiometer
J623	Engine control unit
T14i	14-pin connector, black, on right in engine compartment
T60a	60-pin connector, black, connector A, on engine control unit
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness



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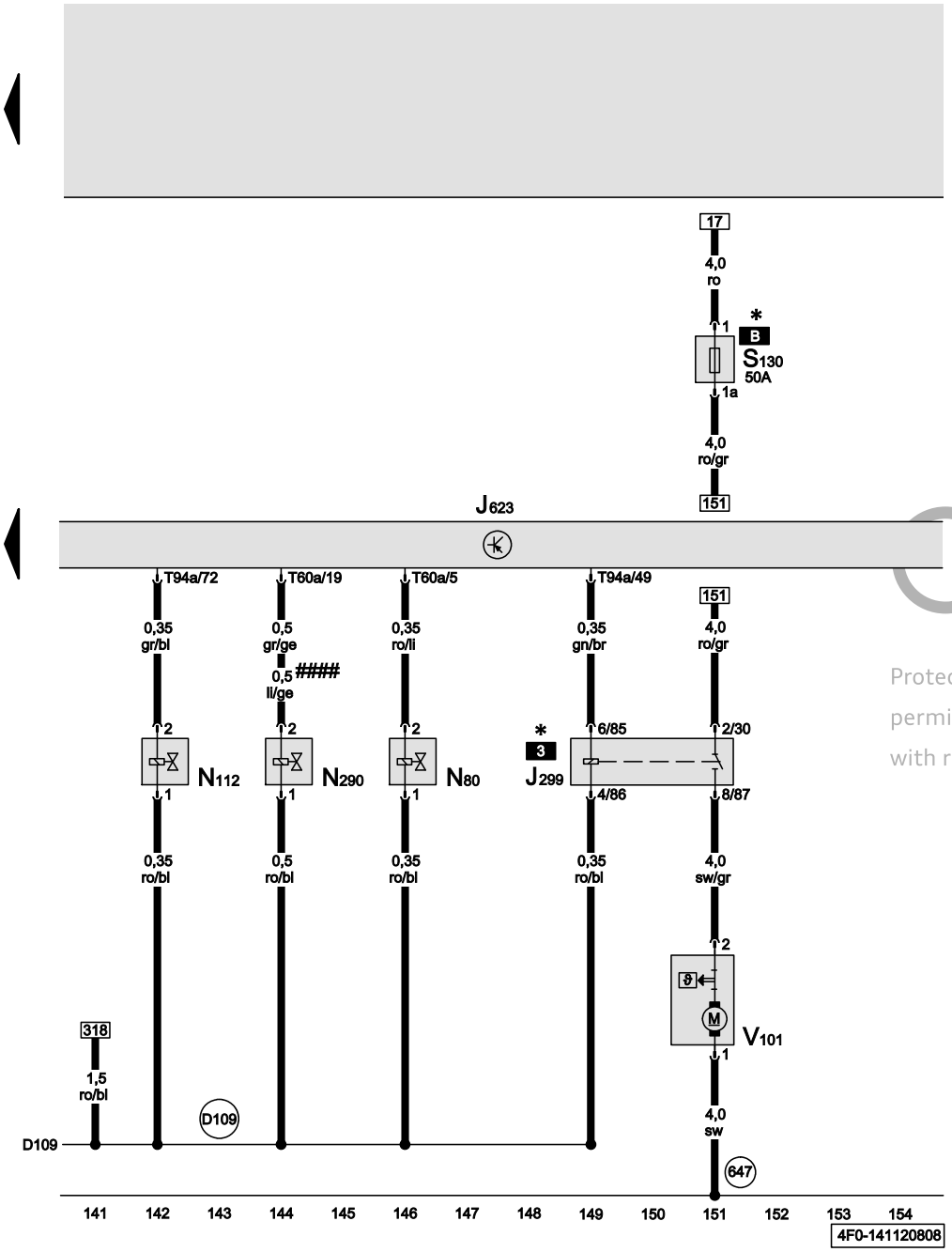
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Engine control unit, coolant temperature sender, air mass meter, brake servo pressure sensor, fuel pressure sender for low pressure, intake air temperature sender

G42	Intake air temperature sender
G62	Coolant temperature sender
G70	Air mass meter
G294	Brake servo pressure sensor
G410	Fuel pressure sender for low pressure
J623	Engine control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
327	Earth connection (sender earth), in engine compartment wiring harness
328	Earth connection 2 (sender earth), in engine compartment wiring harness
D109	Connection 7, in engine compartment wiring harness
D174	Connection 2 (5V), in engine wiring harness

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Engine control unit, active charcoal filter system solenoid valve 1, secondary air inlet valve, fuel metering valve, secondary air pump relay, secondary air pump motor

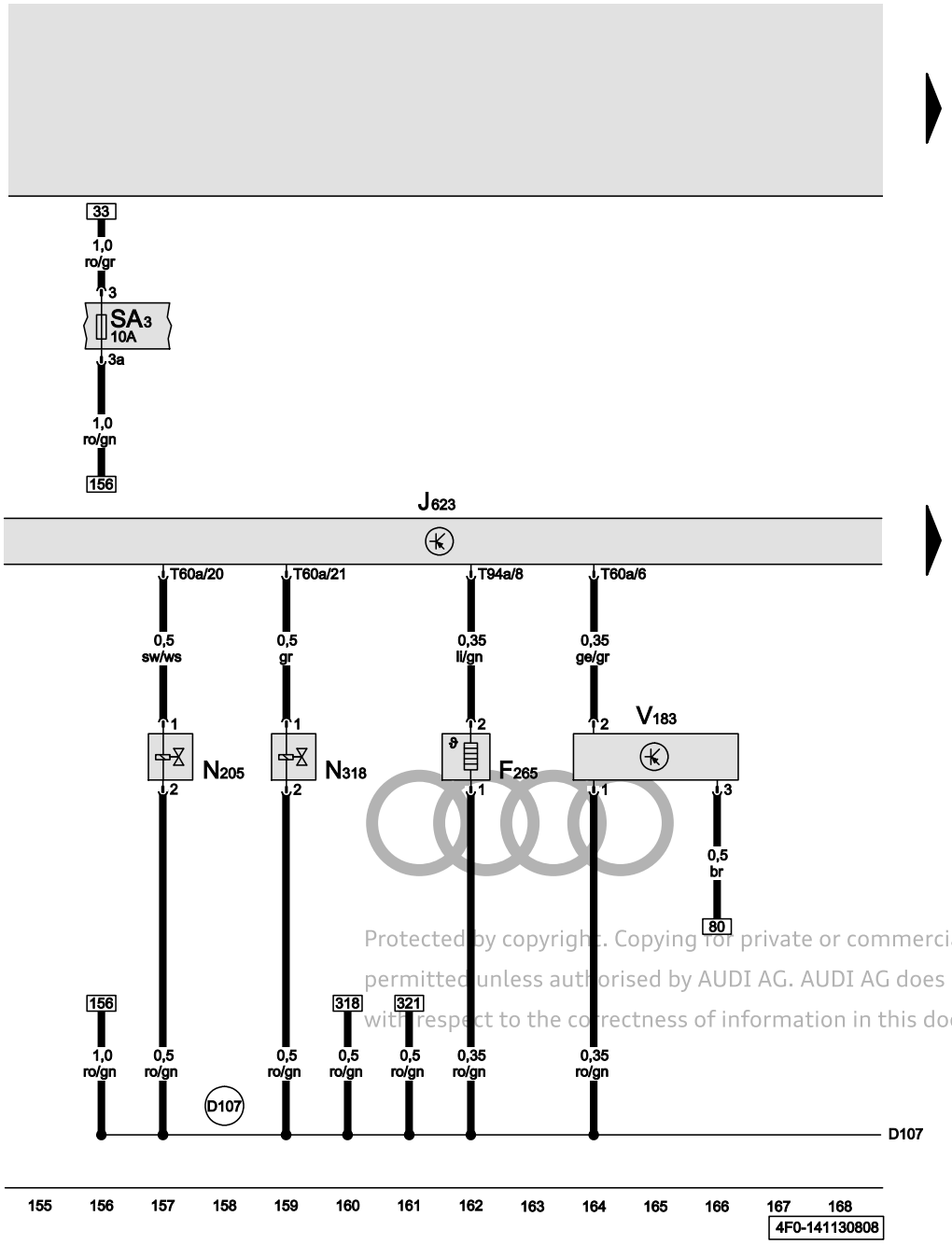
J299	Secondary air pump relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N290	Fuel metering valve
S130	Secondary air pump fuse
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V101	Secondary air pump motor
647	Earth point 3, on bulkhead
D109	Connection 7, in engine compartment wiring harness
*	Relay carrier electronics box on right in plenum chamber
####	right-hand drive

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Engine control unit, map-controlled engine cooling system thermostat, inlet camshaft control valve 1, exhaust camshaft control valve 1, variable intake manifold motor

F265	Map-controlled engine cooling system thermostat
J623	Engine control unit
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
SA3	Fuse 3 on fuse holder A
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V183	Variable intake manifold motor
D107	Connection 5, in engine compartment wiring harness



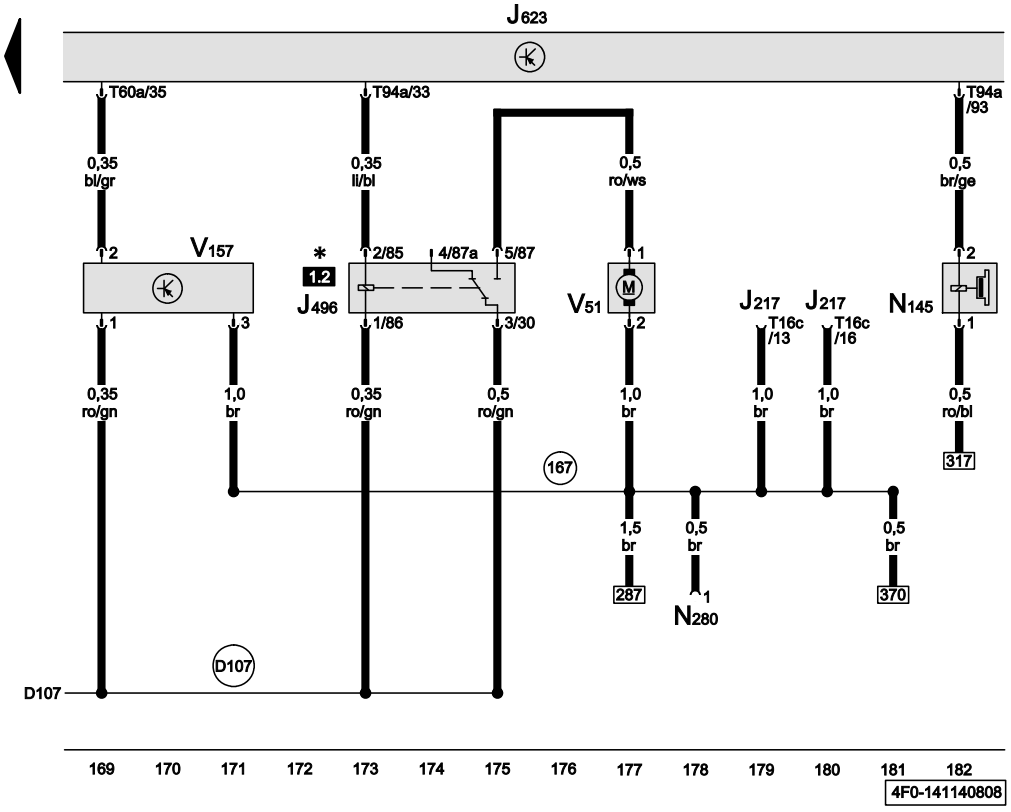
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Engine control unit, additional coolant pump relay, continued coolant circulation pump, right electrohydraulic engine mounting solenoid valve, intake manifold flap motor

J217	Automatic gearbox control unit
J496	Additional coolant pump relay
J623	Engine control unit
N145	Right electrohydraulic engine mounting solenoid valve
N280	Air conditioning system compressor regulating valve
T16c	16-pin connector, black, on automatic gearbox control unit
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V51	Continued coolant circulation pump
V157	Intake manifold flap motor
167	Earth connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
*	Relay carrier electronics box left in plenum chamber

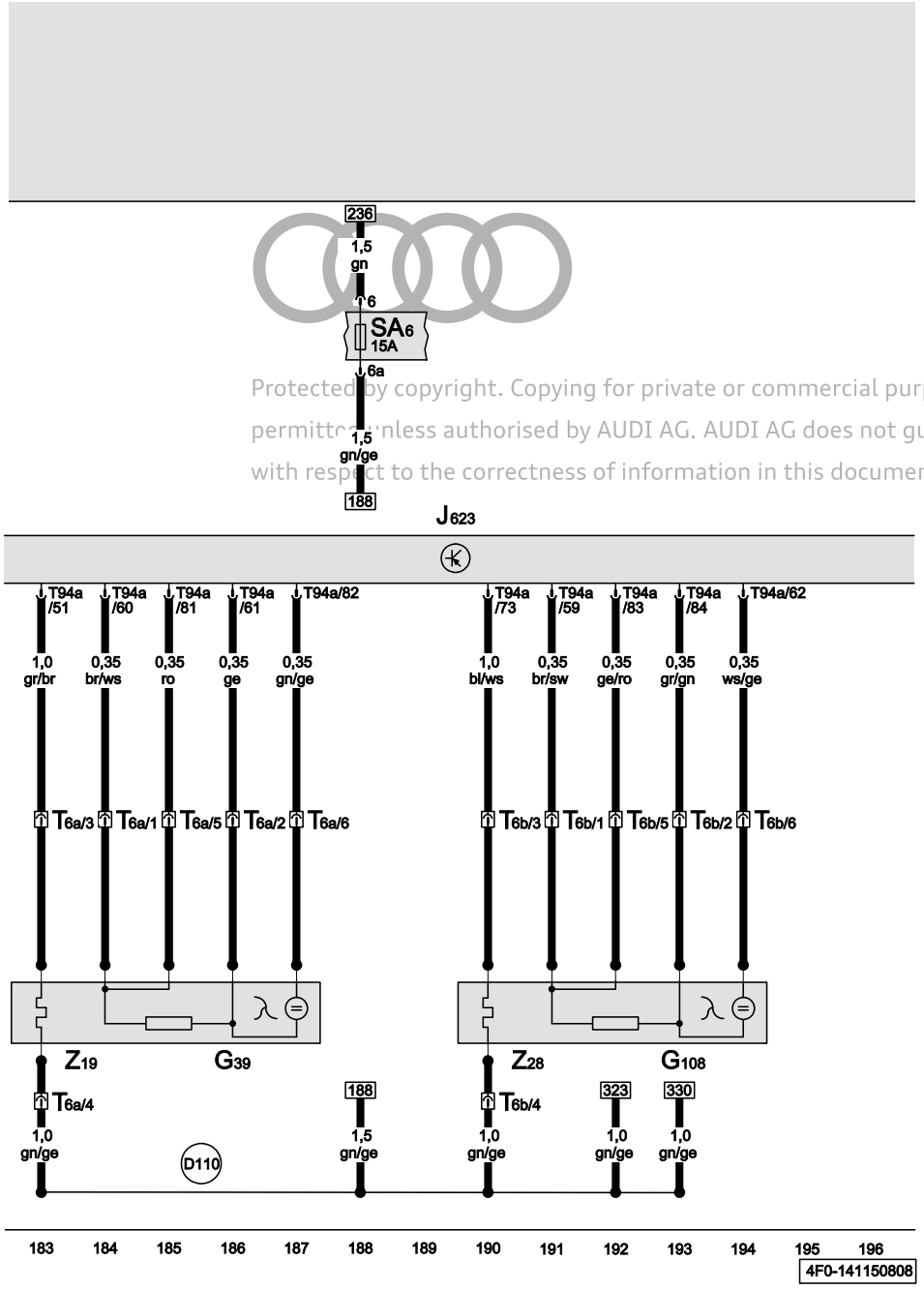
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Engine control unit, lambda probe, lambda probe heater

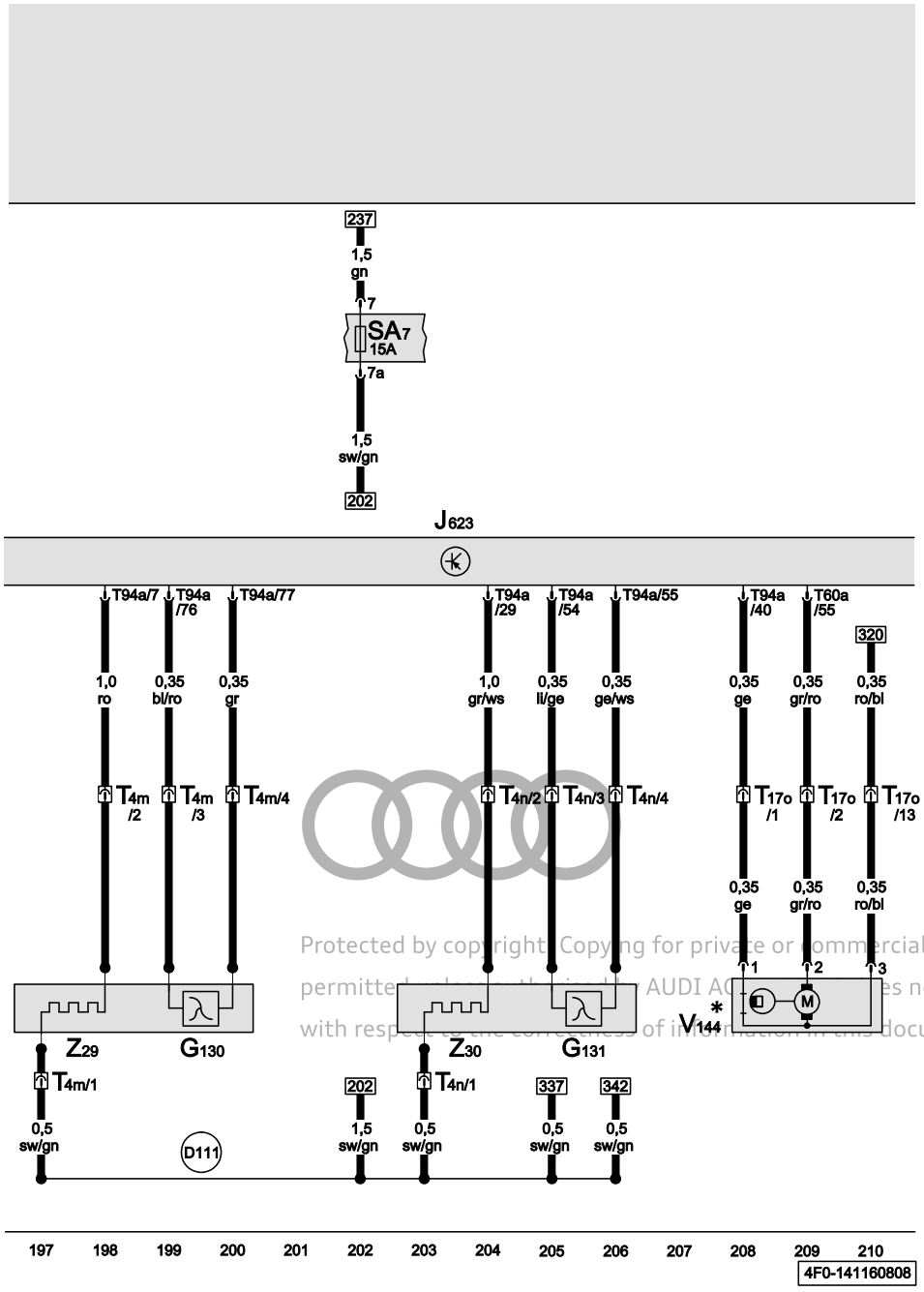
G39	Lambda probe
G108	Lambda probe 2
J623	Engine control unit
SA6	Fuse 6 on fuse holder A
T6a	6-pin connector, black, for Lambda probe
T6b	6-pin connector, black, for Lambda probe 2
T94a	94-pin connector, black, connector B, on engine control unit
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
D110	Connection 8, in engine compartment wiring harness



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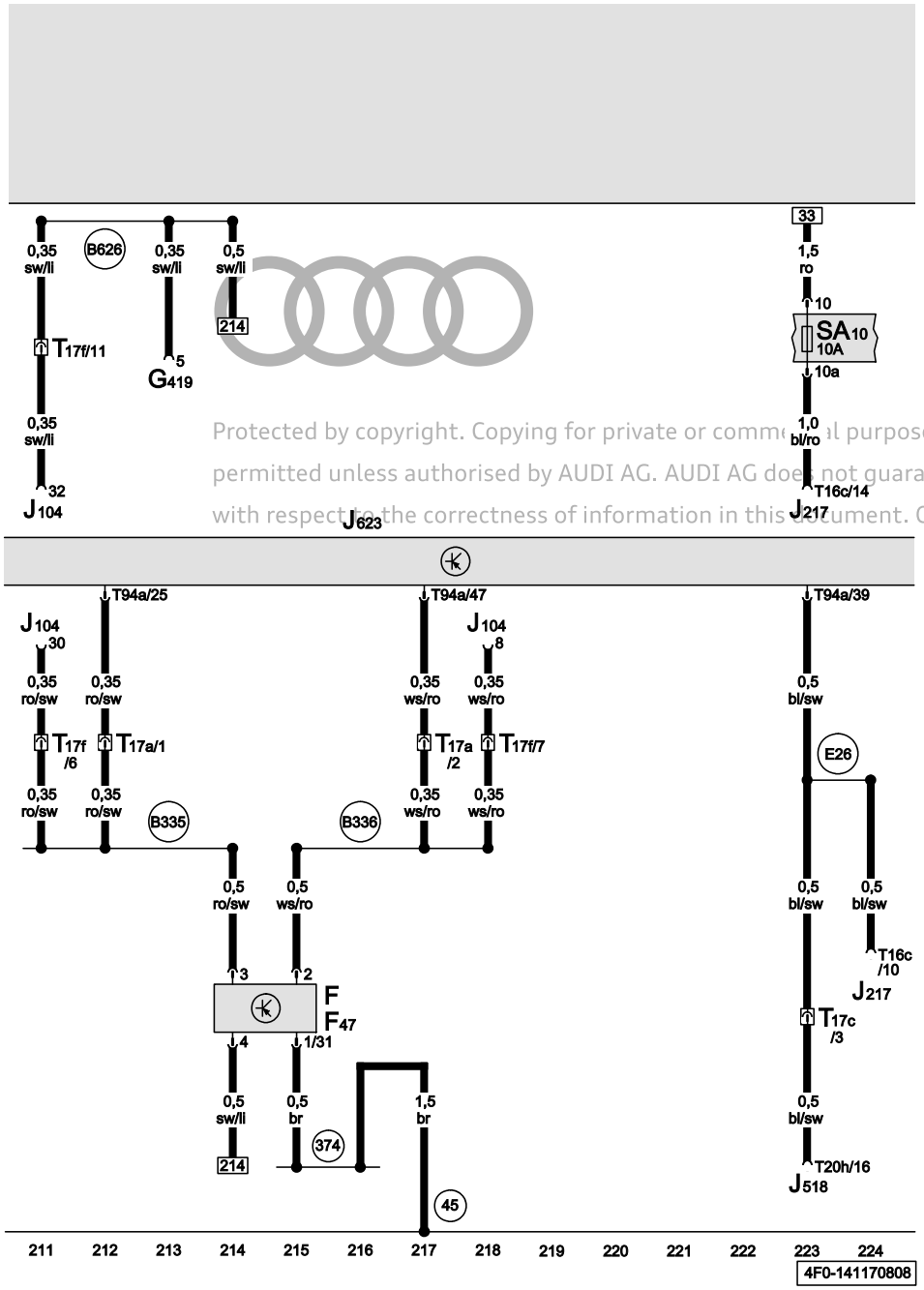
Engine control unit, lambda probe after catalytic converter, lambda probe heater after catalytic converter, fuel system diagnostic pump



G130	Lambda probe after catalytic converter
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SA7	Fuse 7 on fuse holder A
T4m	4-pin connector, brown, for Lambda probe after catalytic converter
T4n	4-pin connector, black, for Lambda probe 2 after catalytic converter
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T60a	60-pin connector, black, connector A, on engine control unit
T94a	94-pin connector, black, connector B, on engine control unit
V144	Fuel system diagnostic pump
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D111	Connection 9, in engine compartment wiring harness
*	models with fuel system diagnostic pump

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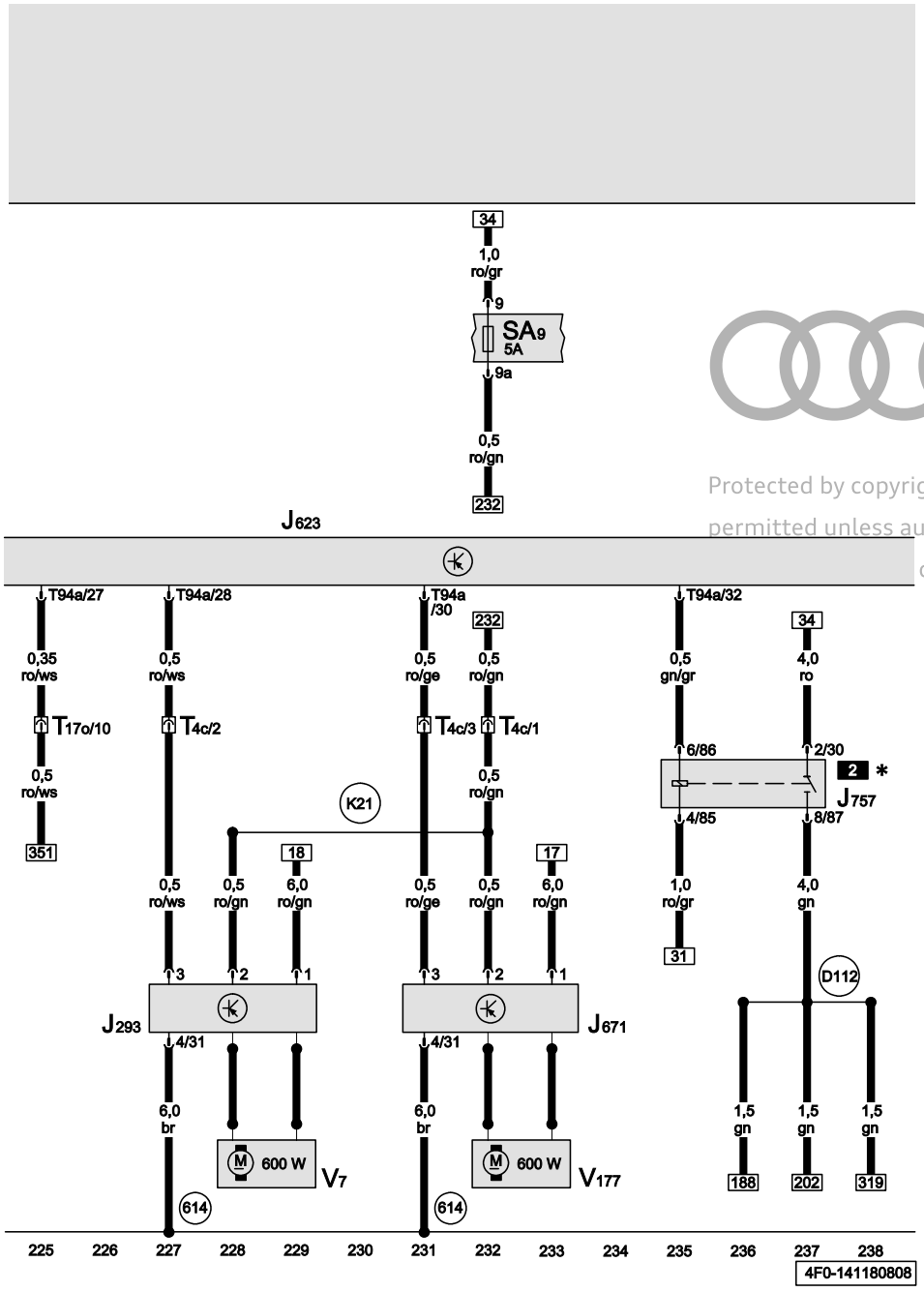


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Engine control unit, brake light switchbrake light switch, brake pedal switch

F	Brake light switch
F47	Brake pedal switch
G419	ESP sensor unit
J104	ABS control unit
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
SA10	Fuse 10 on fuse holder A
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T17f	17-pin connector, green, coupling station on left of A-pillar
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T94a	94-pin connector, black, connector B, on engine control unit
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B335	Connection 1 (54), in main wiring harness
B336	Connection 2 (54), in main wiring harness
B626	Positive connection 2 (15), in main wiring harness
E26	Connection (selector position P/N), in Motronic wiring harness

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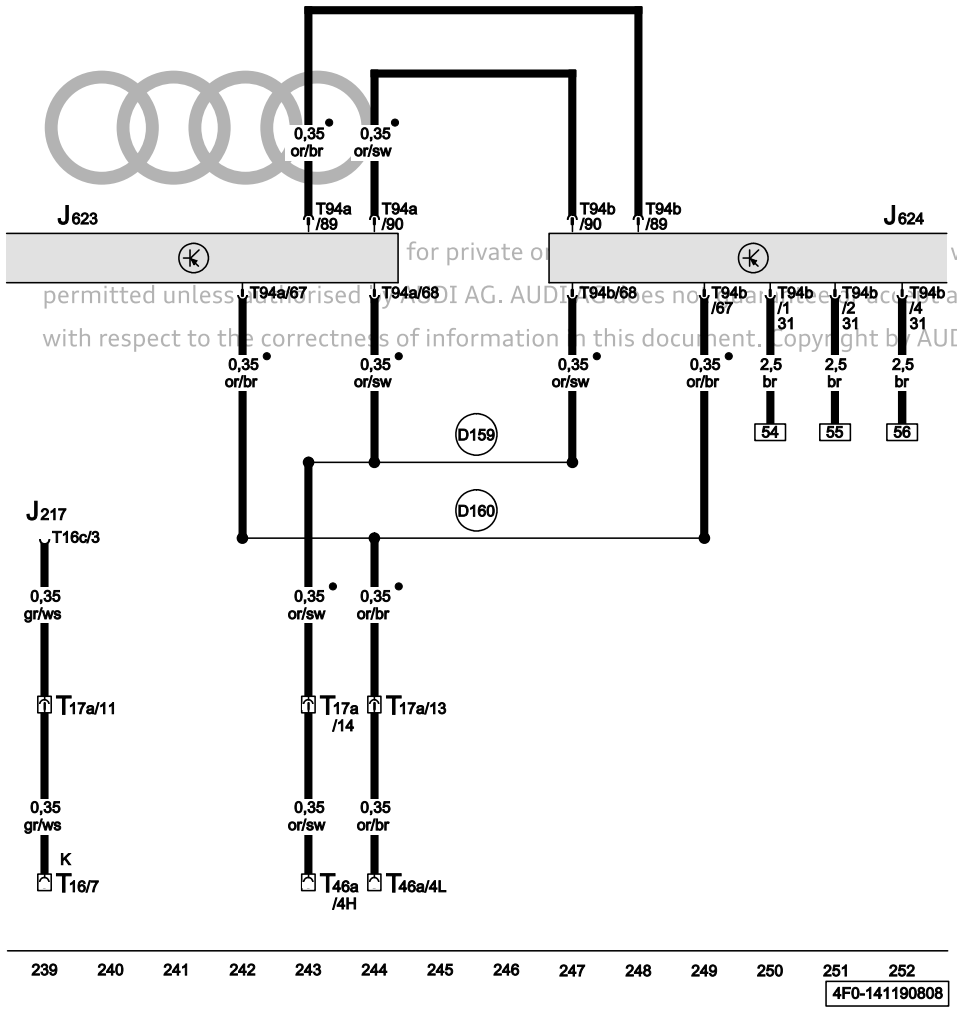
Engine control unit, engine component current supply relay, radiator fan control unit, radiator fan

J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
J757	Engine component current supply relay
SA9	Fuse 9 on fuse holder A
T4c	4-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a	94-pin connector, black, connector B, on engine control unit
V7	Radiator fan
V177	Radiator fan 2
614	Earth point 2, on right in engine compartment
D112	Connection 10, in engine compartment wiring harness
K21	Connection 1, in radiator fan wiring harness
*	Relay carrier electronics box left in plenum chamber

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Engine control unit, engine control unit 2, CAN bus wiring

J217	Automatic gearbox control unit
J623	Engine control unit
J624	Engine control unit 2
T16	16-pin connector, diagnostic connector
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T46a	46-pin connector, CAN disconnector left
T94a	94-pin connector, black, connector B, on engine control unit
T94b	94-pin connector, black, connector B, on engine control unit 2
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
•	CAN bus (data wire)

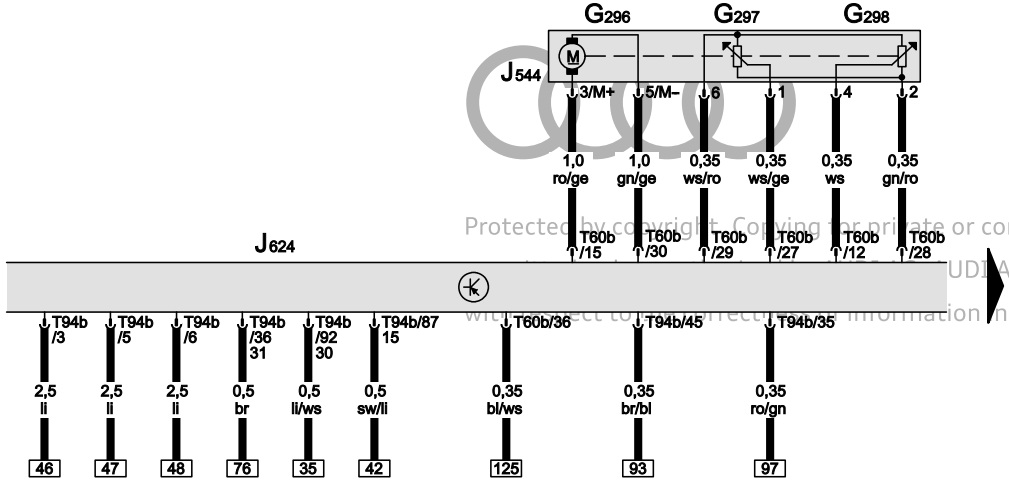


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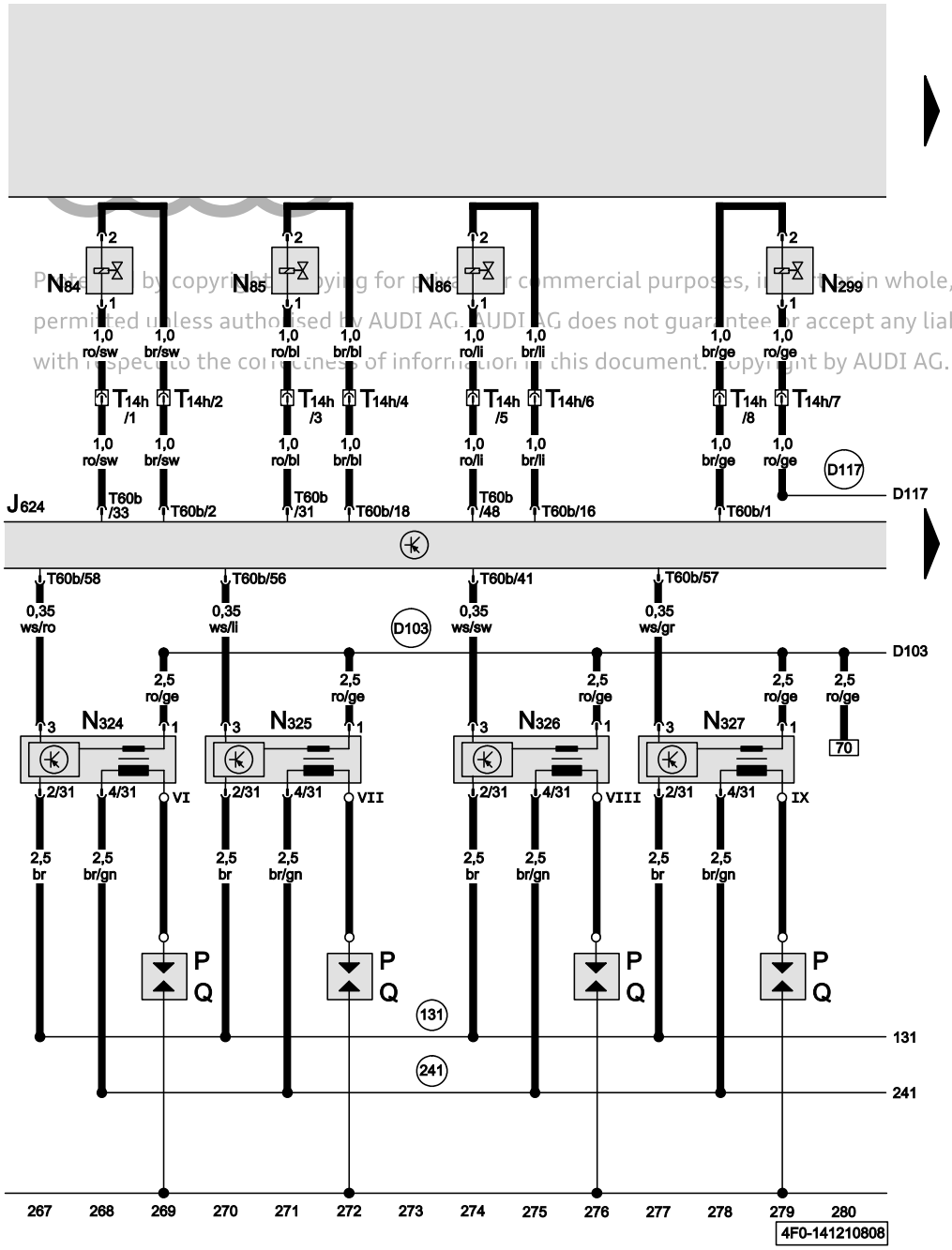
Engine control unit 2, throttle valve module 2

G296	Throttle valve drive 2
G297	Angle sender 1 for throttle valve drive 2
G298	Angle sender 2 for throttle valve drive 2
J544	Throttle valve module 2
J624	Engine control unit 2
T60b	60-pin connector, black, connector A, on engine control unit 2
T94b	94-pin connector, black, connector B, on engine control unit 2



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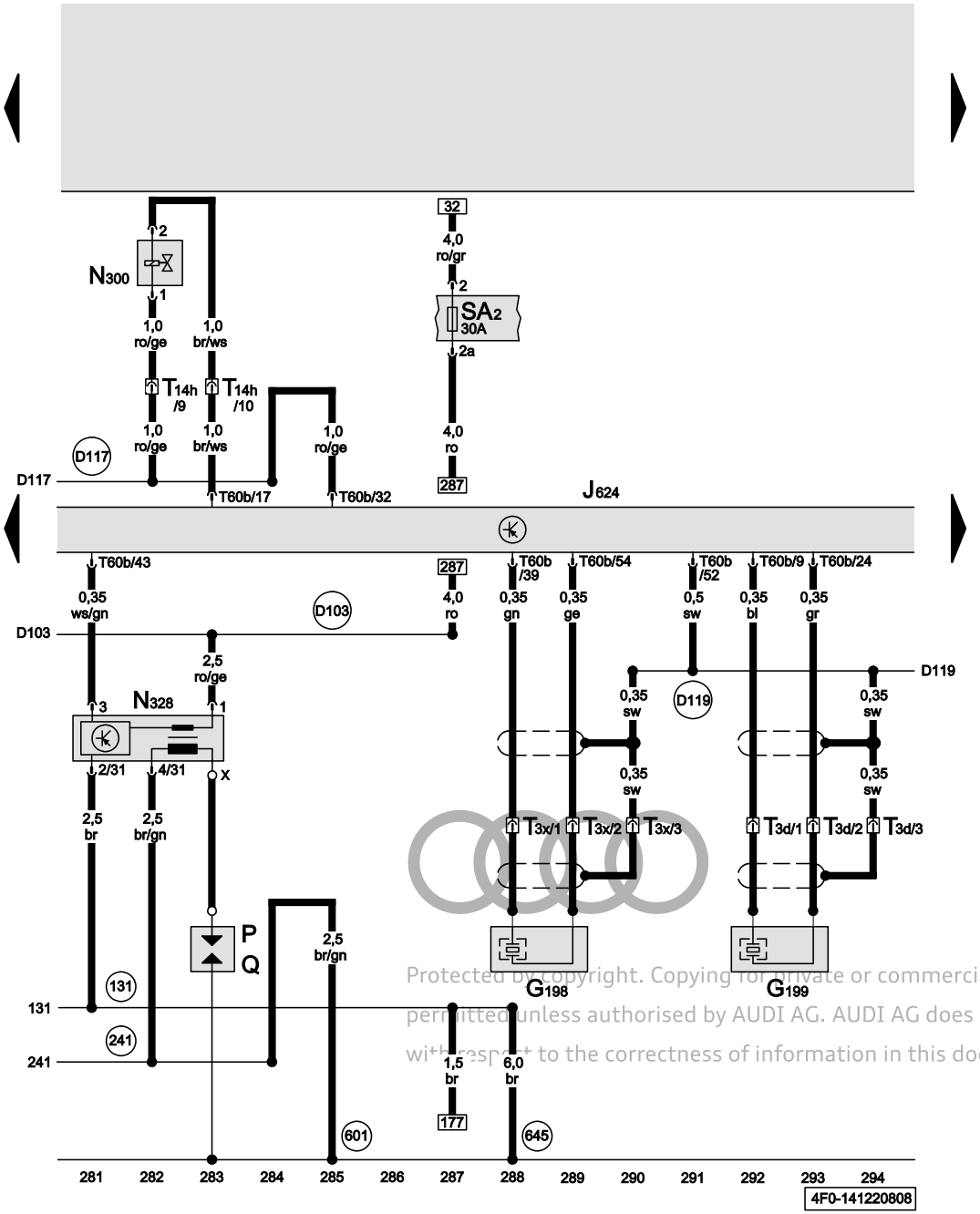


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Engine control unit 2, injectors cylinder 6 up to 9, ignition coils 6 up to 9 with output stage

J624	Engine control unit 2
N84	Injector, cylinder 6
N85	Injector, cylinder 7
N86	Injector, cylinder 8
N299	Injector, cylinder 9
N324	Ignition coil 6 with output stage
N325	Ignition coil 7 with output stage
N326	Ignition coil 8 with output stage
N327	Ignition coil 9 with output stage
P	Spark plug connector
Q	Spark plugs
T14h	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
131	Earth connection 2, in engine compartment wiring harness
241	Earth connection 2 engine earth, in engine wiring harness
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness

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Engine control unit 2, injector, cylinder 10, ignition coil 10 with output stage, knock sensors

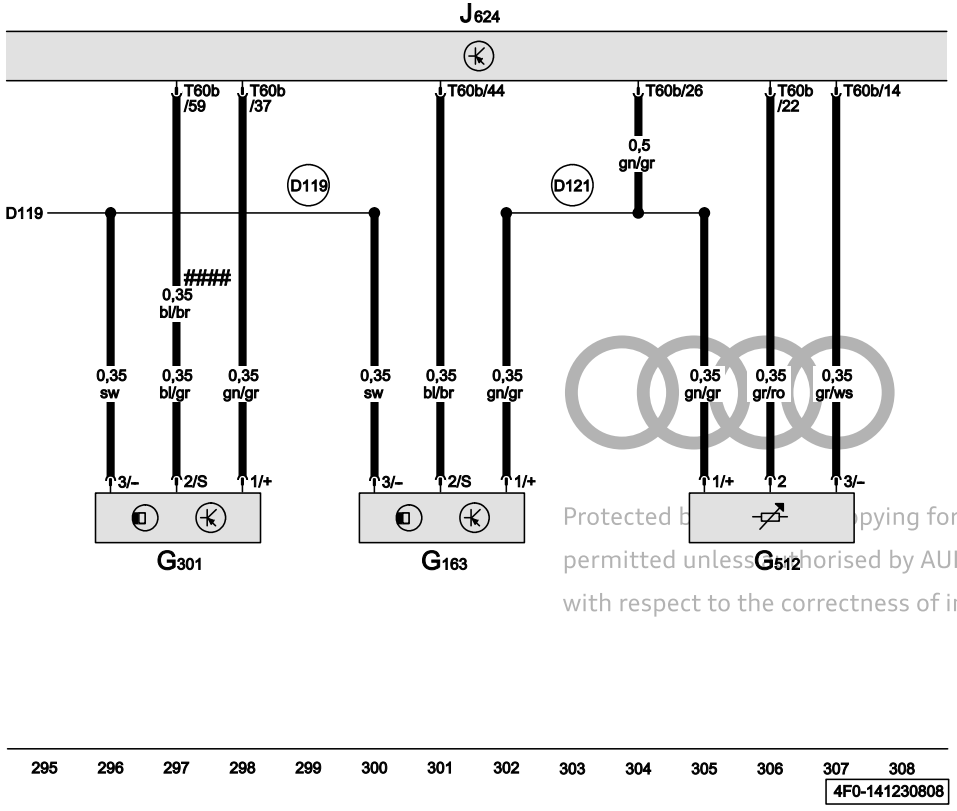
G198	Knock sensor 3
G199	Knock sensor 4
J624	Engine control unit 2
N300	Injector, cylinder 10
N328	Ignition coil 10 with output stage
P	Spark plug connector
Q	Spark plugs
SA2	Fuse 2 on fuse holder A
T3d	3-pin connector, blue, on knock sensor 4
T3x	3-pin connector, white, on knock sensor 3
T14h	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
131	Earth connection 2, in engine compartment wiring harness
241	Earth connection 2 engine earth, in engine wiring harness
601	Earth point, on left of cylinder head
645	Earth point 1, on bulkhead
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
D119	Connection 17, in engine compartment wiring harness

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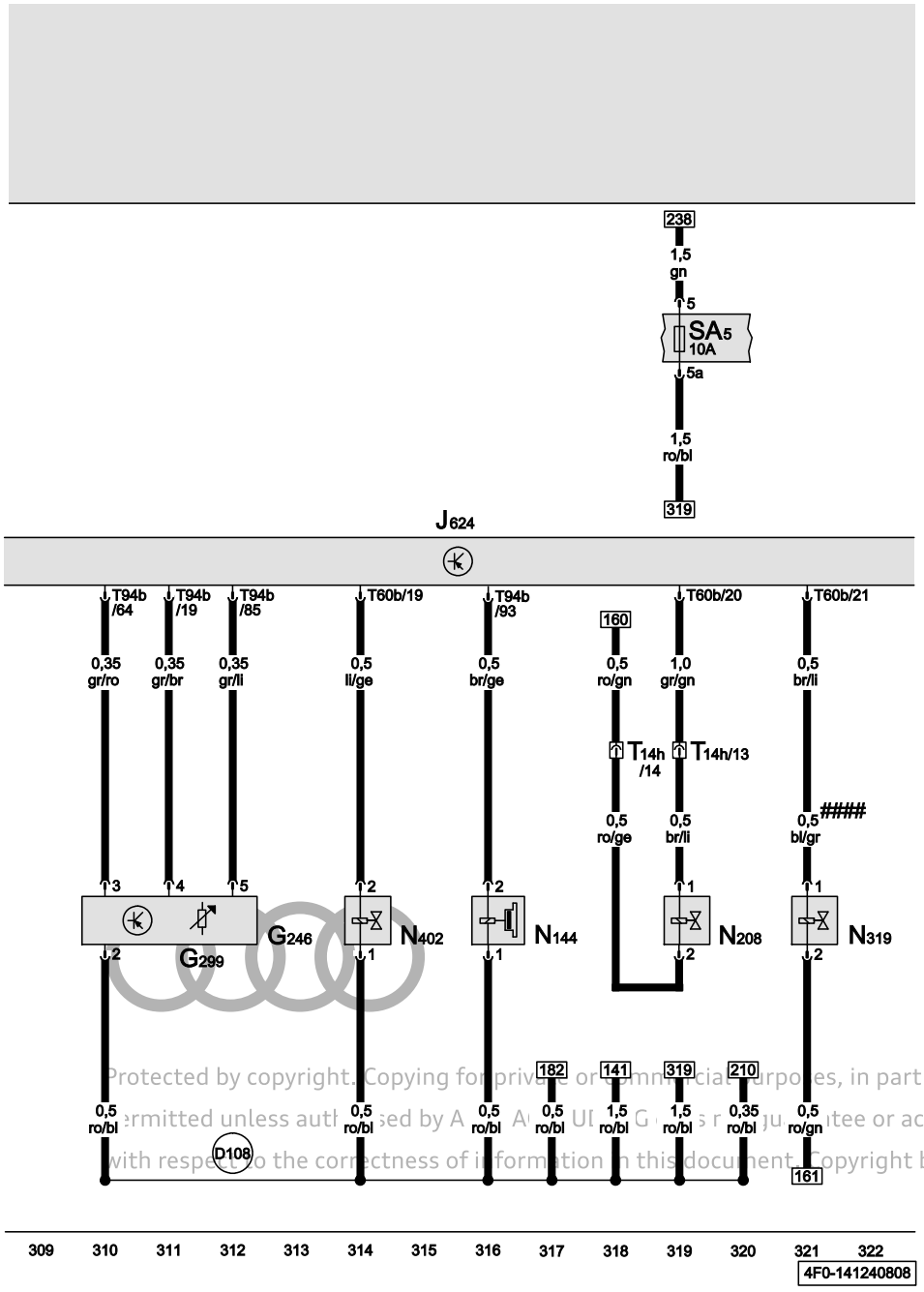
Engine control unit 2, Hall sender, intake manifold flap potentiometer 2

G163	Hall sender 2
G301	Hall sender 4
G512	Intake manifold flap 2 potentiometer
J624	Engine control unit 2
T60b	60-pin connector, black, connector A, on engine control unit 2
D119	Connection 17, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness
####	right-hand drive



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Engine control unit 2, air mass meter 2, left electrohydraulic engine mounting solenoid valve, inlet camshaft control valve 2, exhaust camshaft control valve 2, fuel metering valve 2

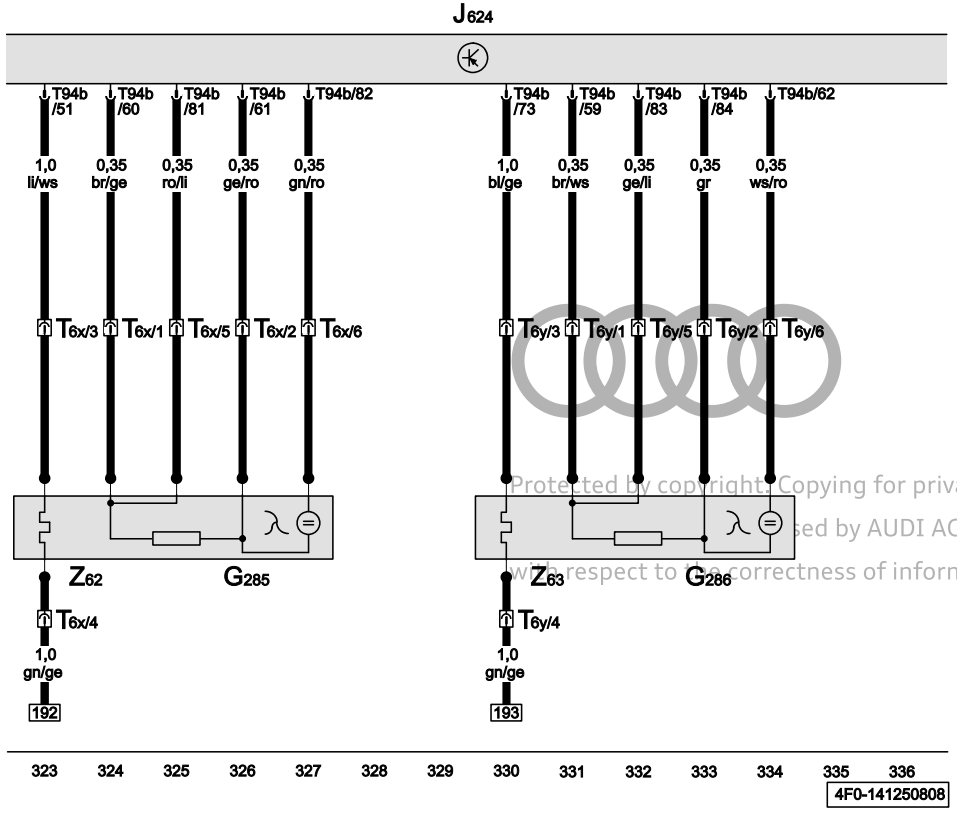
G246	Air mass meter 2
G299	Intake air temperature sender 2
J624	Engine control unit 2
N144	Left electrohydraulic engine mounting solenoid valve
N208	Inlet camshaft control valve 2
N319	Exhaust camshaft control valve 2
N402	Fuel metering valve 2
SA5	Fuse 5 on fuse holder A
T14h	14-pin connector, brown, in left engine compartment
T60b	60-pin connector, black, connector A, on engine control unit 2
T94b	94-pin connector, black, connector B, on engine control unit 2
D108	Connection 6, in engine compartment wiring harness
####	right-hand drive

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Engine control unit 2, lambda probe 3 and 4, lambda probe 3 and 4 heater

G285	Lambda probe 3
G286	Lambda probe 4
J624	Engine control unit 2
T6x	6-pin connector, black, for Lambda probe 3
T6y	6-pin connector, black, for Lambda probe 4
T94b	94-pin connector, black, connector B, on engine control unit 2
Z62	Lambda probe 3 heater
Z63	Lambda probe 4 heater

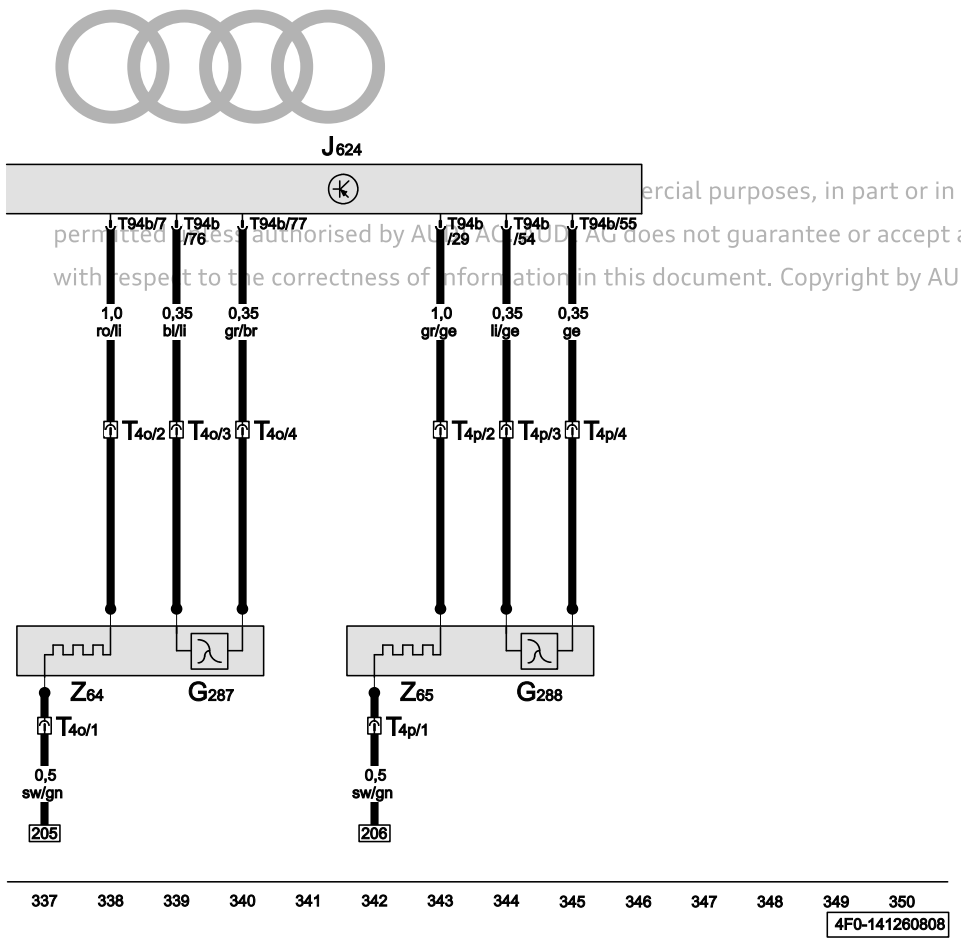


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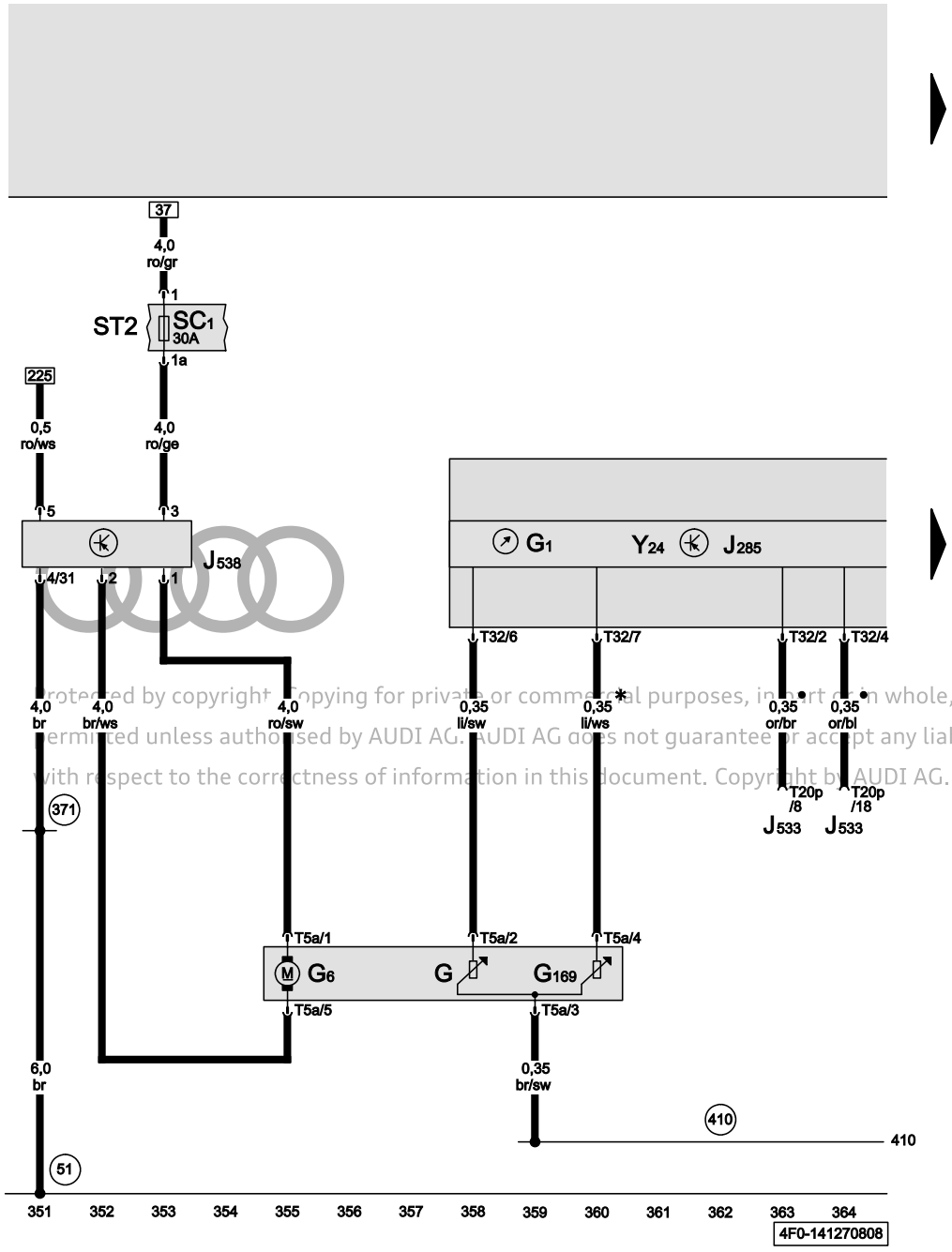
Engine control unit 2, lambda probe 3 and 4 after catalytic converter, lambda probe 3 and 4 heater after catalytic converter

G287	Lambda probe 3 after catalytic converter
G288	Lambda probe 4 after catalytic converter
J624	Engine control unit 2
T4o	4-pin connector, black, for Lambda probe 3 after catalytic converter
T4p	4-pin connector, grey, for Lambda probe 4 after catalytic converter
T94b	94-pin connector, black, connector B, on engine control unit 2
Z64	Lambda probe 3 heater after catalytic converter
Z65	Lambda probe 4 heater after catalytic converter



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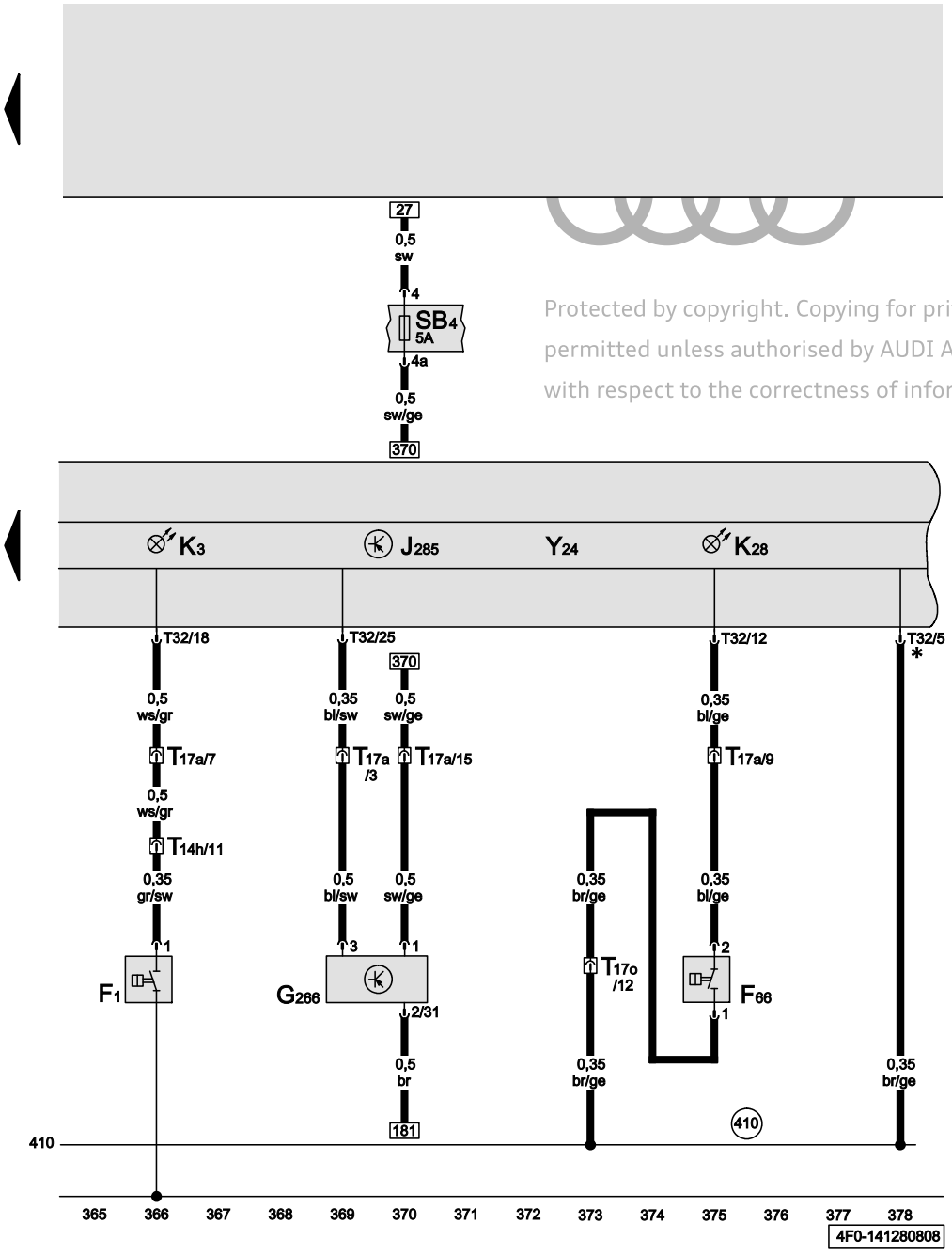
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Fuel pump control unit, control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sender, fuel gauge, fuel gauge sender 2

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G169	Fuel gauge sender 2
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J538	Fuel pump control unit
SC1	Fuse 1 on fuse holder C
T5a	5-pin connector, black, on fuel tank
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
51	Earth point, on right in luggage compartment
371	Earth connection 6, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
•	CAN bus (data wire)
*	only four-wheel drive

Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil level and oil temperature sender, oil pressure switch, coolant shortage indicator switch

F1	Oil pressure switch
F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K28	Coolant temperature and coolant shortage warning lamp
SB4	Fuse 4 on fuse holder B
T14h	14-pin connector, brown, in left engine compartment
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17o	17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
Y24	Display in dash panel insert
410	Earth connection 1 (sender earth), in main wiring harness
*	output sender earth



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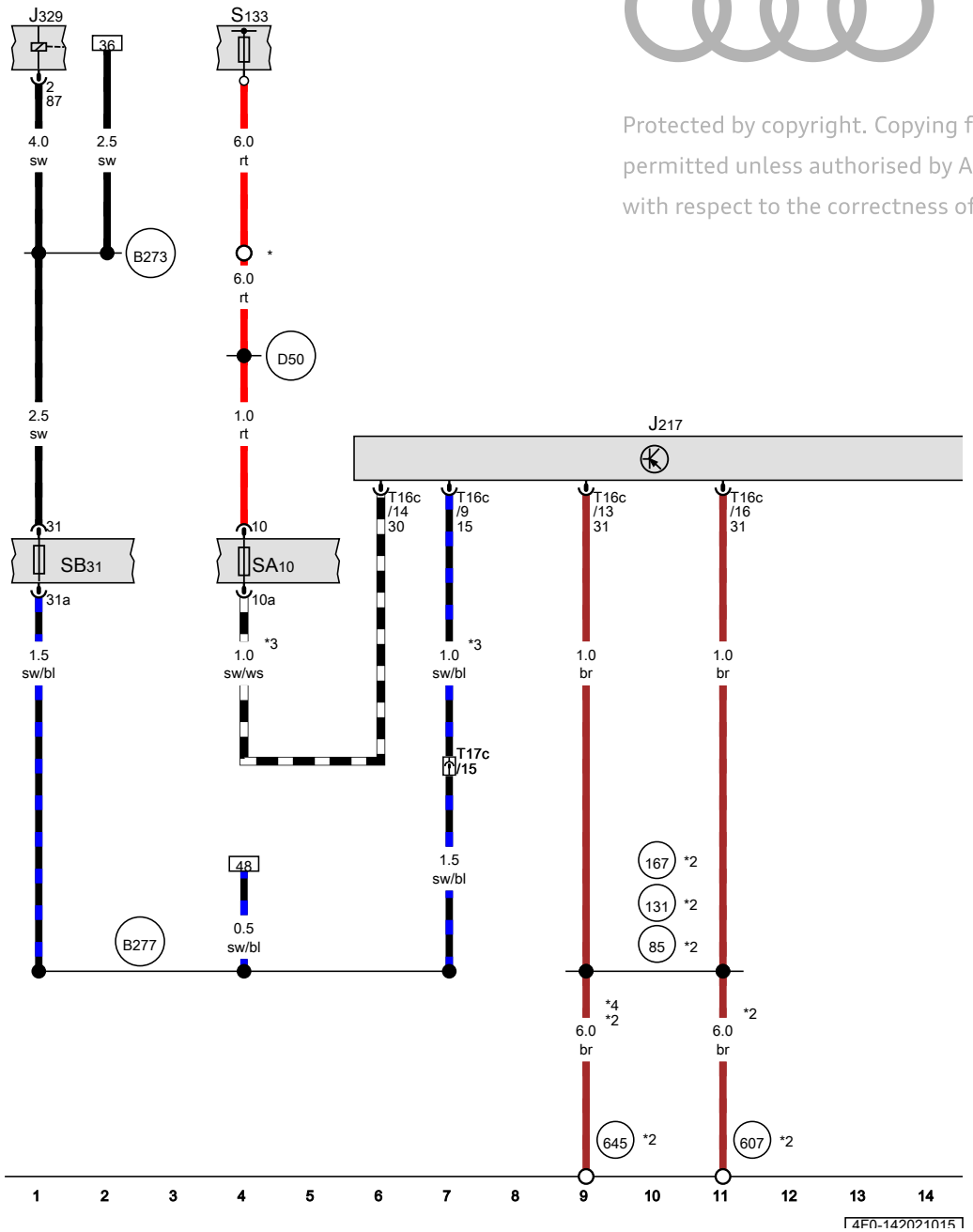
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6-speed automatic gearbox , (09L),(09E)

From September 2008

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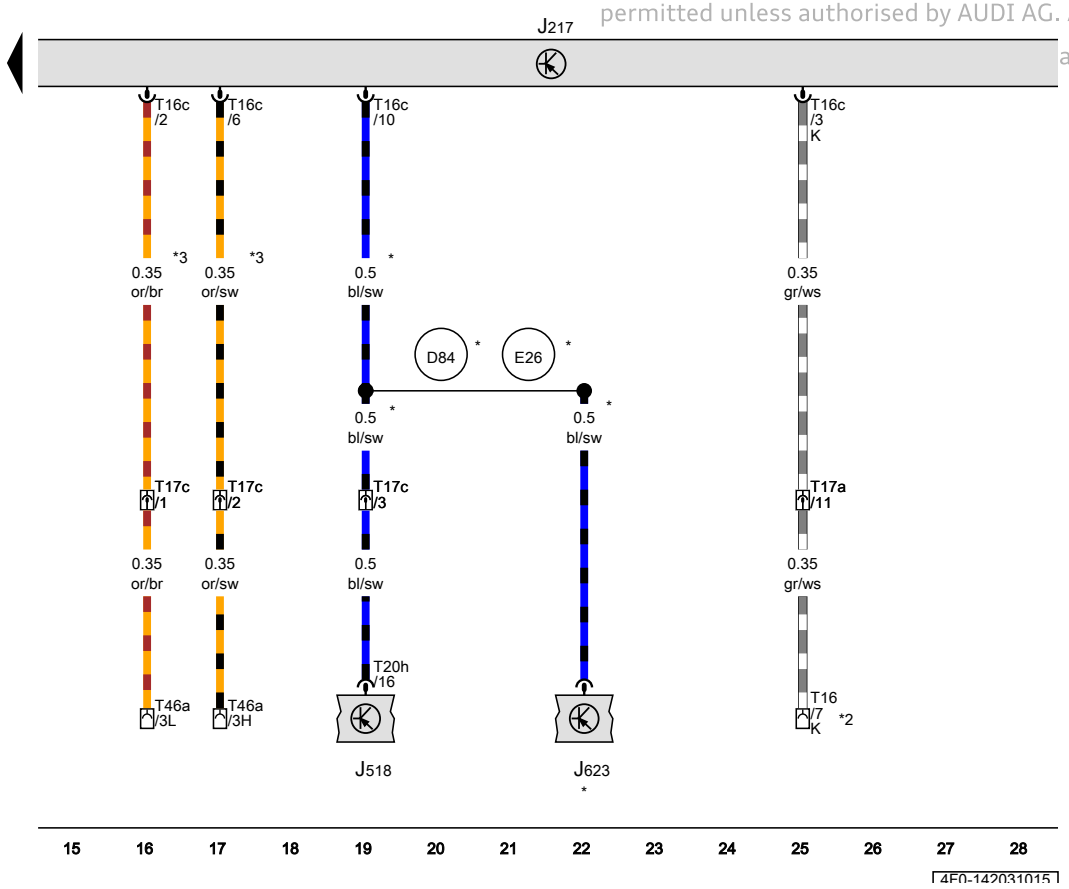
Automatic gearbox control unit

J217	Automatic gearbox control unit
J329	Terminal 15 voltage supply relay, in relay carrier, behind shelf on front passenger side
SA10	Fuse 10 in fuse holder A
SB31	Fuse 31 on fuse holder B
S133	Fuse 3
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
167	Earth connection 4, in engine compartment wiring harness
607	Earth point, on left in plenum chamber
645	Earth point 1, on bulkhead
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a) in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
*	Threaded connection, in E-box in plenum chamber
*2	see applicable current flow diagram for engine
*3	Wiring colour depends on equipment
*4	Cross section depends on equipment

Automatic gearbox control unit

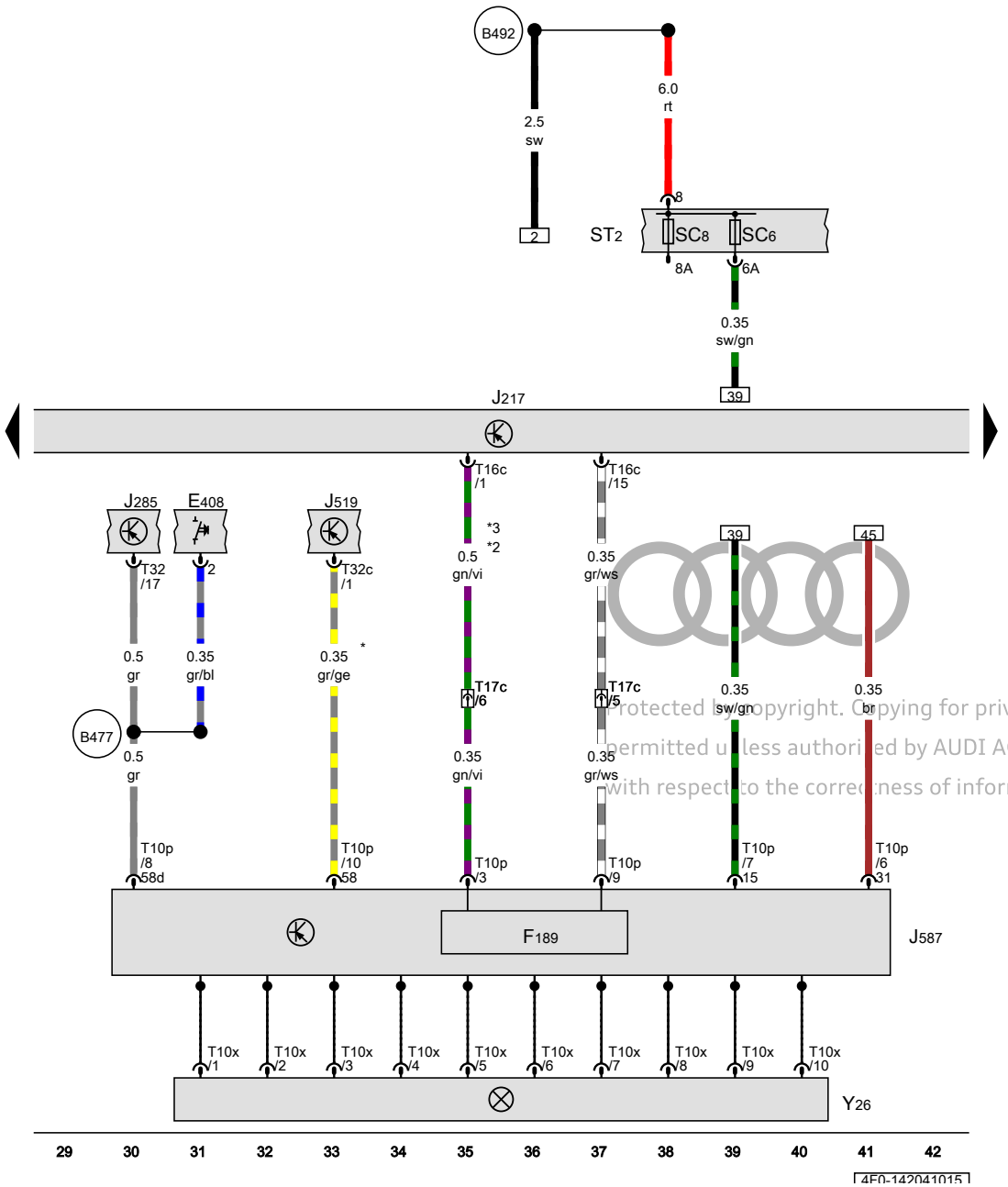
J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
T16	16-pin connector, on diagnostic connection
T16c	16-pin connector, black, on automatic gearbox control unit
T17a	17-pin connector, red, Coupling station, E-box on left in plenum chamber
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T20h	20-pin connector, black, on entry and start authorisation control unit
T46a	46-pin connector, behind dash panel, left, near fuse holder, black
D84	Connection (automatic gearbox), in engine compartment wiring harness
E26	Connection (selector position P/N), in Motronic wiring harness
*	see applicable current flow diagram for engine
*2	Diagnostic connection
*3	Data bus wire (CAN bus)

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Tiptronic switch, Automatic gearbox control unit, Selector lever sensors control unit, Selector lever position display

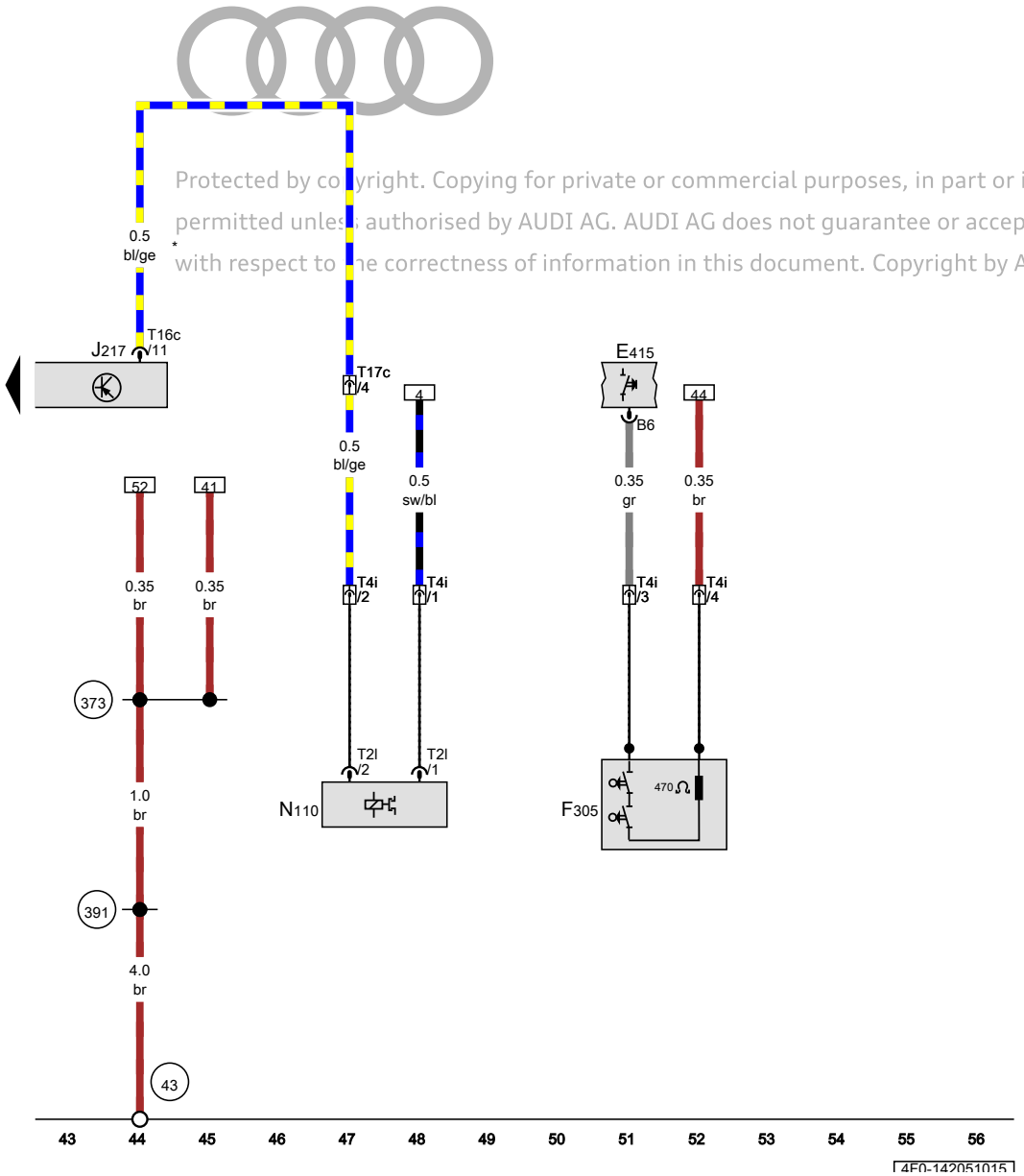


E408	Entry and start authorisation button
F189	Tiptronic switch
J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J587	Selector lever sensors control unit
ST2	Fuse carrier 2
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
T10p	10-pin connector, black, on selector lever sensors control unit
T10x	10-pin connector, black, in centre console, on display for positions of selector lever
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, on onboard supply control unit
Y26	Selector lever position display
B477	Connection 13, in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	Only models with equipment for China
*2	Wiring colour depends on equipment
*3	Cross section depends on equipment

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Gear selector position P switch, Automatic gearbox control unit, Selector lever lock solenoid

E415	Entry and start authorisation switch
F305	Gear selector position P switch
J217	Automatic gearbox control unit
N110	Selector lever lock solenoid
T2l	2-pin connector, black, on selector lever lock solenoid
T4i	4-pin connector, in centre console, on selector lever bracket, black, in centre console, on selector lever bracket
T16c	16-pin connector, black, on automatic gearbox control unit
T17c	17-pin connector, white, Coupling station, E-box on left in plenum chamber
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
*	see applicable current flow diagram for engine

Automatic gearbox multitronic® 01J

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

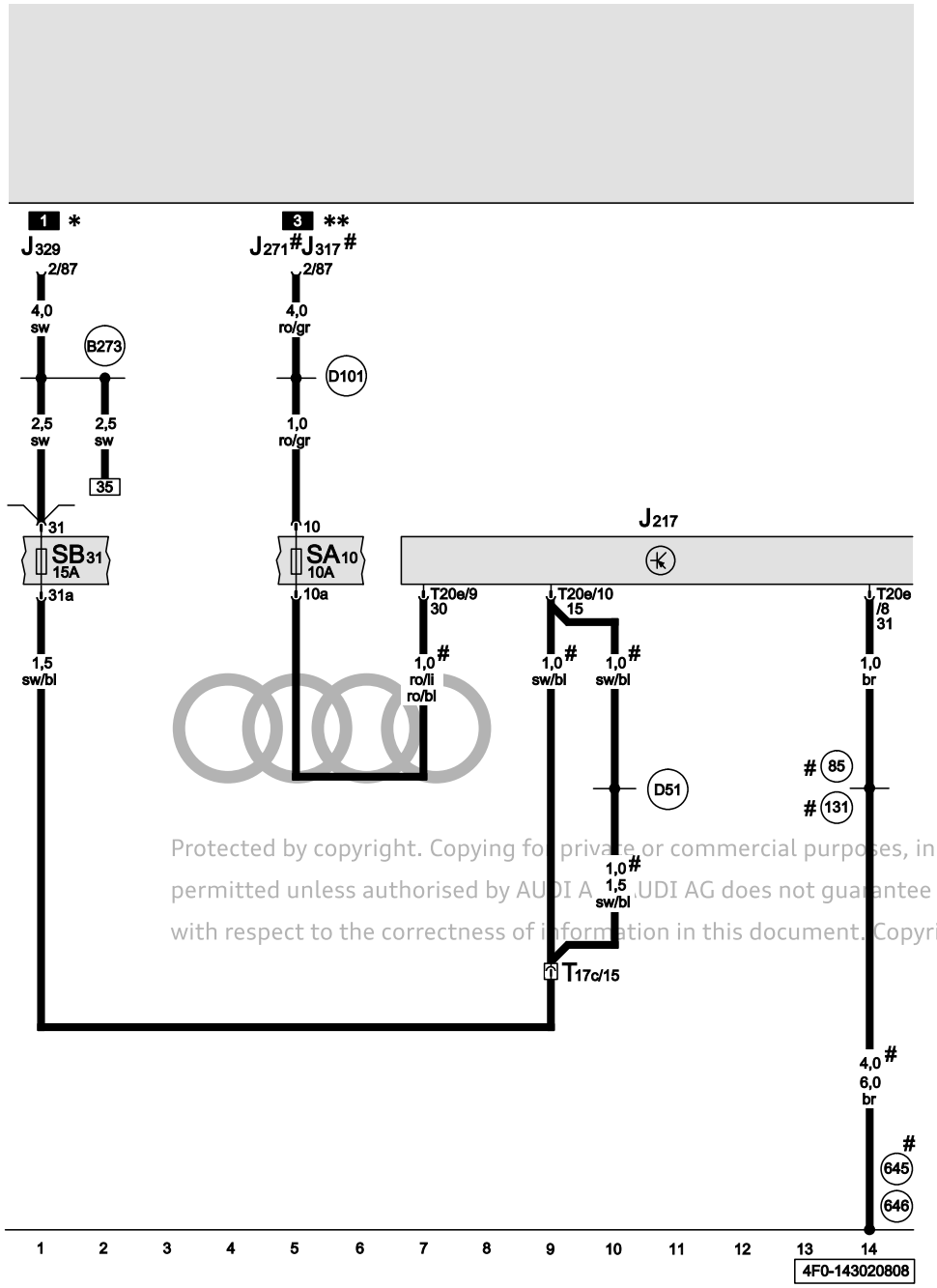
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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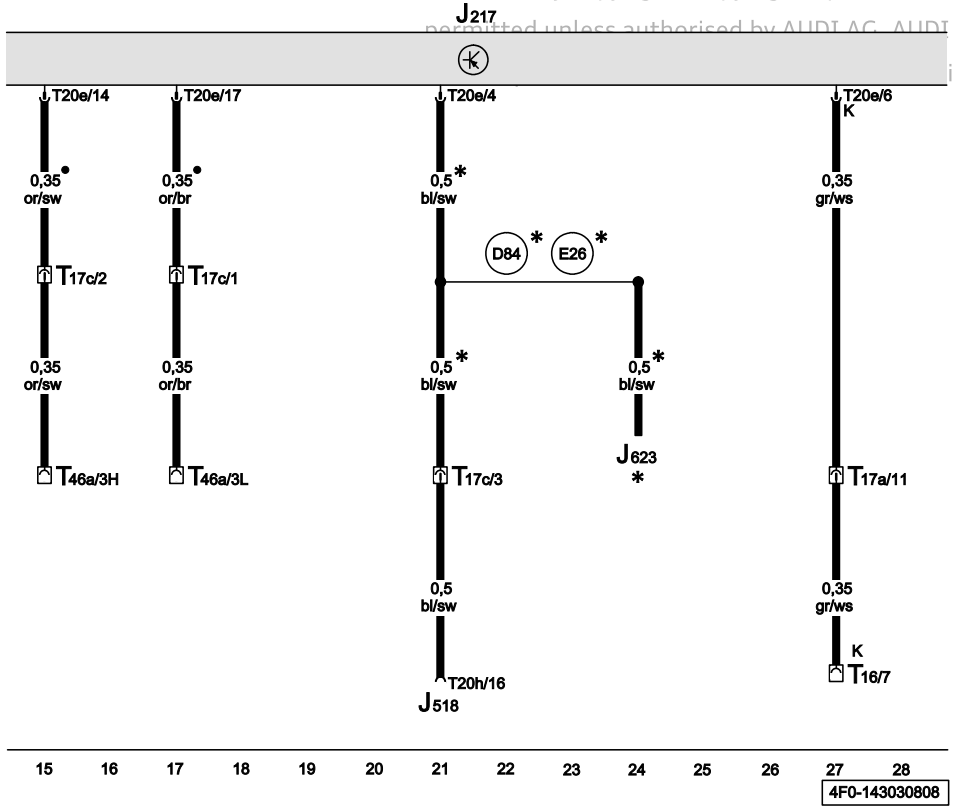
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Automatic gearbox control unit, fuses

J217	Automatic gearbox control unit
J271	Motronic current supply relay
J317	Terminal 30 voltage supply relay
J329	Terminal 15 voltage supply relay
SA10	Fuse 10 on fuse holder A
SB31	Fuse 31 on fuse holder B
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
85	Earth connection 1, in engine compartment wiring harness
131	Earth connection 2, in engine compartment wiring harness
645	Earth point 1, on bulkhead
646	Earth point 2, on bulkhead
B273	Positive connection (15), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	9-point relay carrier, behind driver storage compartment
**	Relay carrier electronics box left in plenum chamber
#	⇒ Engine Current Flow Diagram

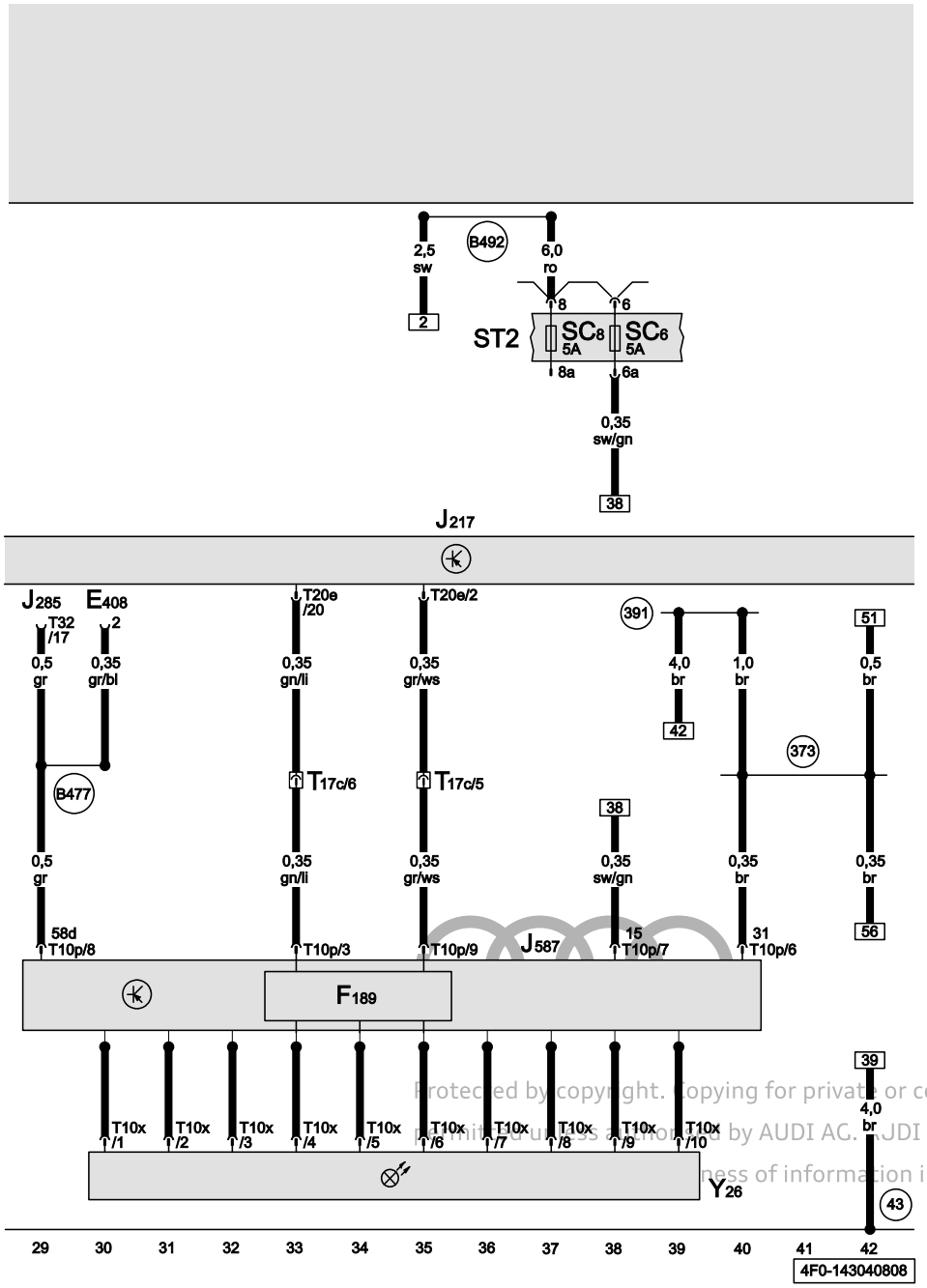
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Automatic gearbox control unit

J217	Automatic gearbox control unit
J518	Entry and start authorisation control unit
J623	Engine control unit
T16	16-pin connector, diagnostic connector
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T20h	20-pin connector, black, connector A, on entry and start authorisation control unit
T46a	46-pin connector, CAN separating connector left
D84	Connection (automatic gearbox), in engine compartment wiring harness
E26	Connection selector lever lock, in Motronic wiring harness
•	CAN bus (data wire)
*	⇒ Engine Current Flow Diagram

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Automatic gearbox control unit, selector lever sensors control unit, Tiptronic switch, selector lever position display

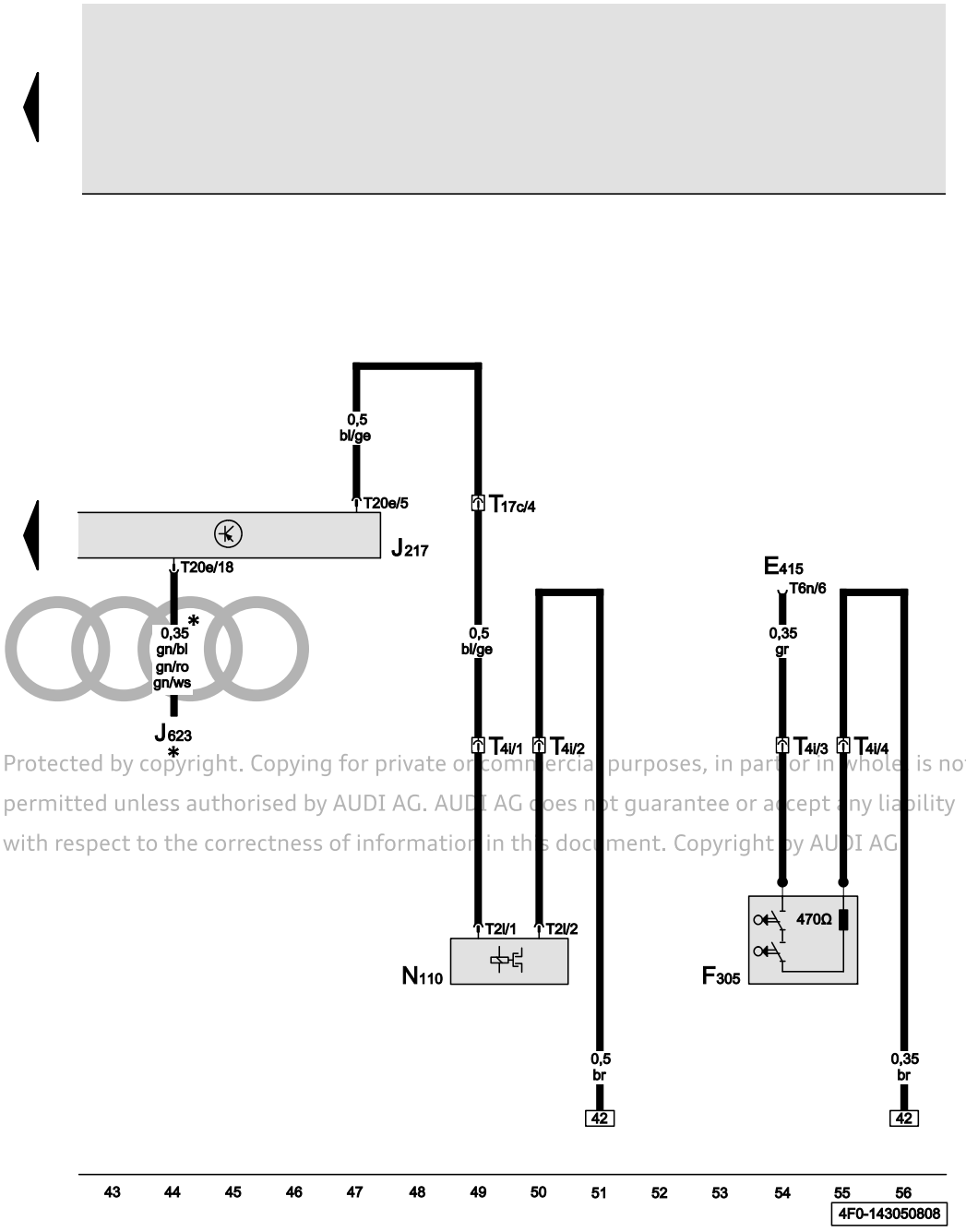
E408	Entry and start authorisation button
F189	Tiptronic switch
J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J587	Selector lever sensors control unit
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
T10p	10-pin connector, black, on selector lever sensors control unit
T10x	10-pin connector, black, in centre console on selector lever position display
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
T32	32-pin connector, grey, on dash panel insert
Y26	Selector lever position display
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B477	Connection 13 in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness

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Automatic gearbox control unit, selector lever lock solenoid, gear selector position P switch

E415	Entry and start authorisation switch
F305	Gear selector position P switch
J217	Automatic gearbox control unit
J623	Engine control unit
N110	Selector lever lock solenoid
T2l	2-pin connector, black, on selector lever lock solenoid
T4i	4-pin connector, black, in centre console on selector lever console
T6n	6-pin connector, black, connector B, on entry and start authorisation switch
T17c	17-pin connector, white, coupling station on electronics box, left in plenum chamber
T20e	20-pin connector, black, on automatic gearbox control unit
373	Earth connection 8, in main wiring harness
*	⇒ Engine Current Flow Diagram



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MMI with CD changer and DVD player (7A6, 7D1)

⇒ **for models with MMI generation 3 only (MOST)**

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

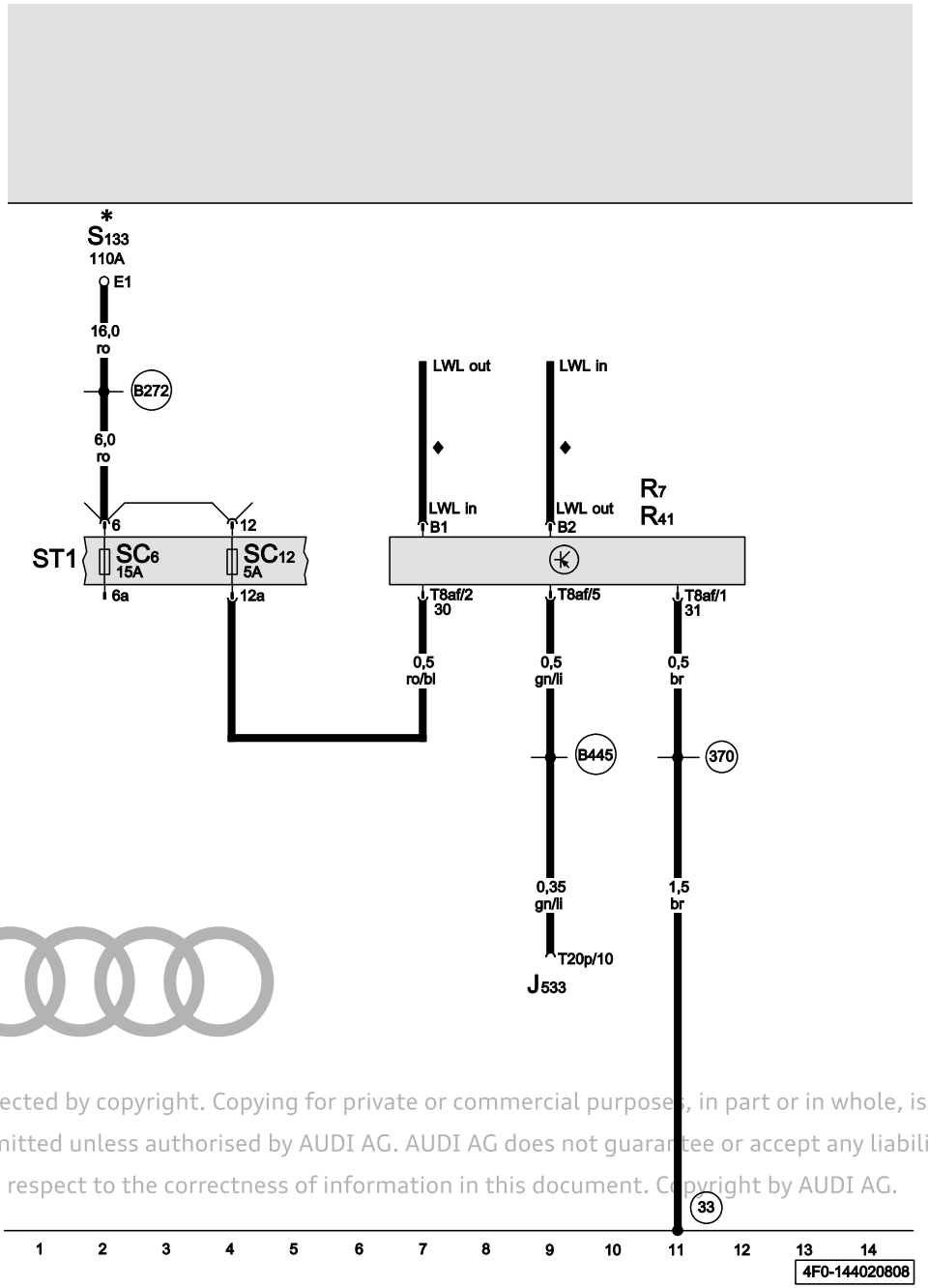
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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CD changer, DVD player

J533	Data bus diagnostic interface
S133	Fuse 3
SC6	Fuse 6 on fuse holder C
SC12	Fuse 12 on fuse holder C
R7	DVD player
R41	CD changer
T8af	8-pin connector, black
T20p	20-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Preparation for mobile telephone without hands-free system control unit (VDA interface) (9ZD)

⇒ **for models with MMI generation 3 only (MOST)**

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

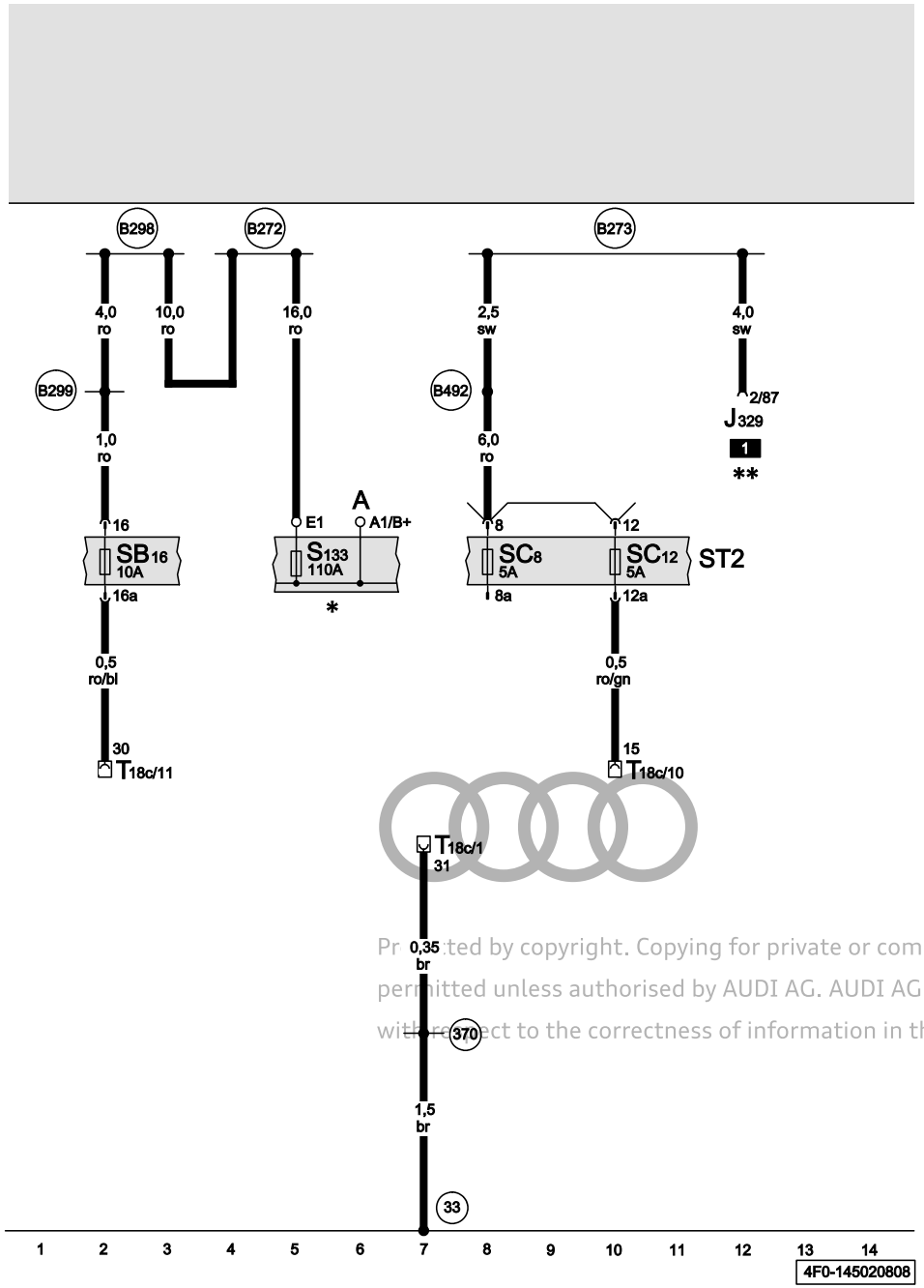
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Preparation for mobile telephone without hands-free system control unit (VDA interface), voltage supply

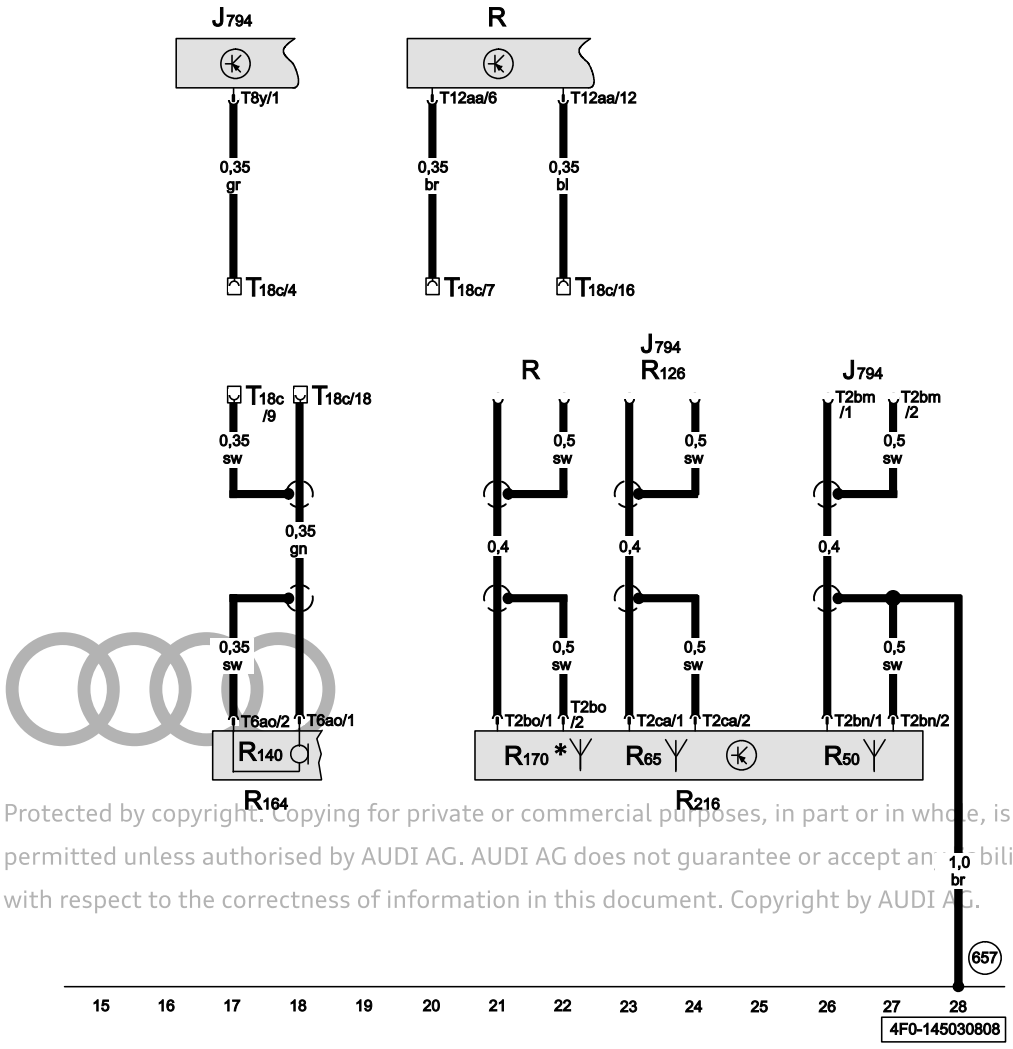
A	Battery
J329	Terminal 15 voltage supply relay
S133	Fuse 3
SB16	Fuse 16 on fuse holder B
SC8	Fuse 8 on fuse holder C
SC12	Fuse 12 on fuse holder C
T18c	18-pin connector, black, behind the glove box
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
**	9-point relay carrier, behind driver storage compartment

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Microphone unit in front roof module, roof aerial

J794	Control unit for information electronics 1
R	Radio
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
R140	Front left microphone
R164	Microphone unit in front roof module
R170	Satellite aerial
R216	roof aerial
T2bm	2-pin connector, blue, connector F, on control unit for information electronics 1
T2bn	2-pin connector, blue, on roof aerial
T2bo	2-pin connector, white, on roof aerial
T2ca	2-pin connector, purple, on roof aerial
T6ao	6-pin connector, blue, microphone connection roof module
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T12aa	12-pin connector, blue, connector B, on radio
T18c	18-pin connector, black, behind the glove box
657	Earth point 1, on left near rear window
*	for models with US equipment only



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

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MMI with TV tuner (QU1, QV2, QV9)

⇒ **for models with MMI generation 3 only (MOST)**

from September 2008

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

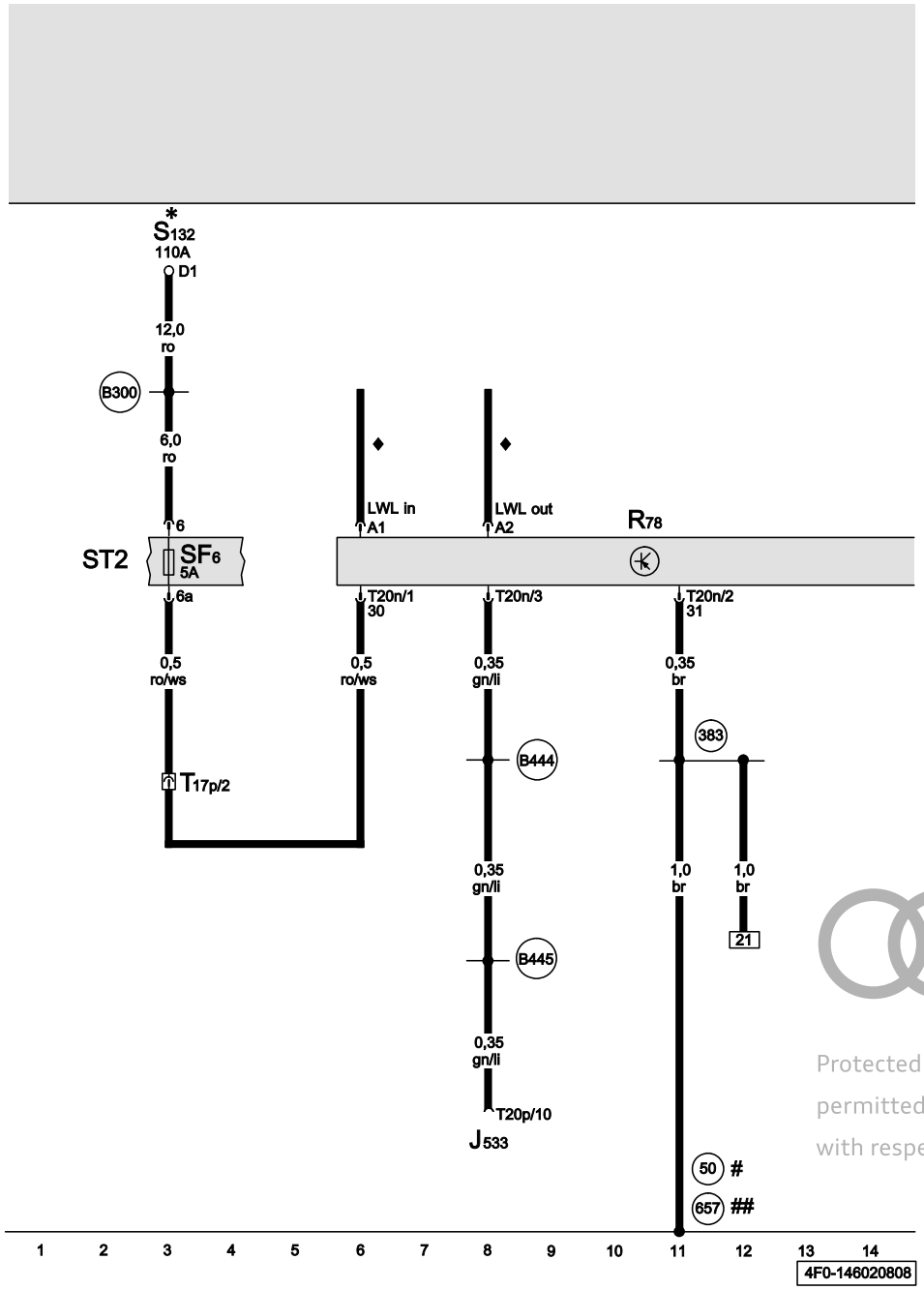
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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TV tuner, voltage supply

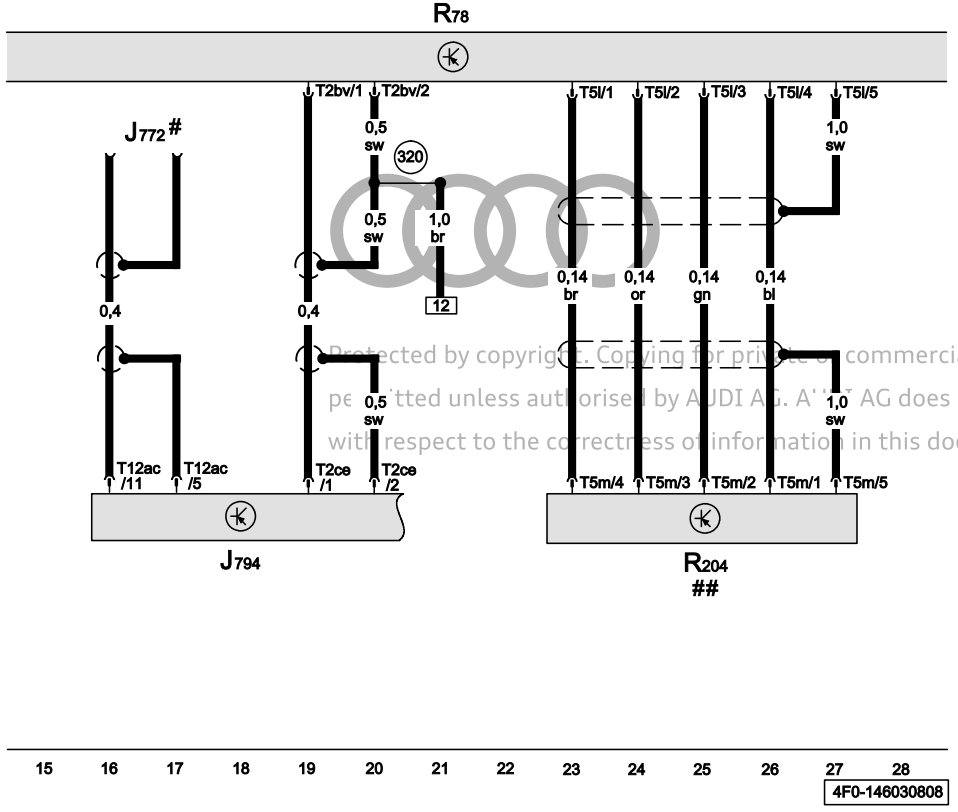
J533	Data bus diagnostic interface
R78	TV tuner
S132	Fuse 2
SF6	Fuse 6 on fuse holder F
T17p	17-pin connector, black, in left luggage compartment
T20n	20-pin connector, red, connector B, on TV tuner
T20p	20-pin connector, black, on data bus diagnostic interface
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
657	Earth point 1, on left near rear window
B300	Positive connection 4 (30), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
#	saloon models
##	Avant
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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TV tuner, TV card reader

J772	Reversing camera system control unit
J794	Control unit for information electronics 1
R78	TV tuner
R204	TV card reader
T2bv	2-pin connector, green, on TV tuner
T2ce	2-pin connector, green, on control unit for information electronics 1
T5l	5-pin connector, on TV tuner
T5m	5-pin connector, on TV card reader
T12ac	12-pin connector, blue, connector B, on control unit 1 for information electronics
320	Earth connection (screening 1, TV), in communication wiring harness
#	models with reversing camera system
##	only Japan

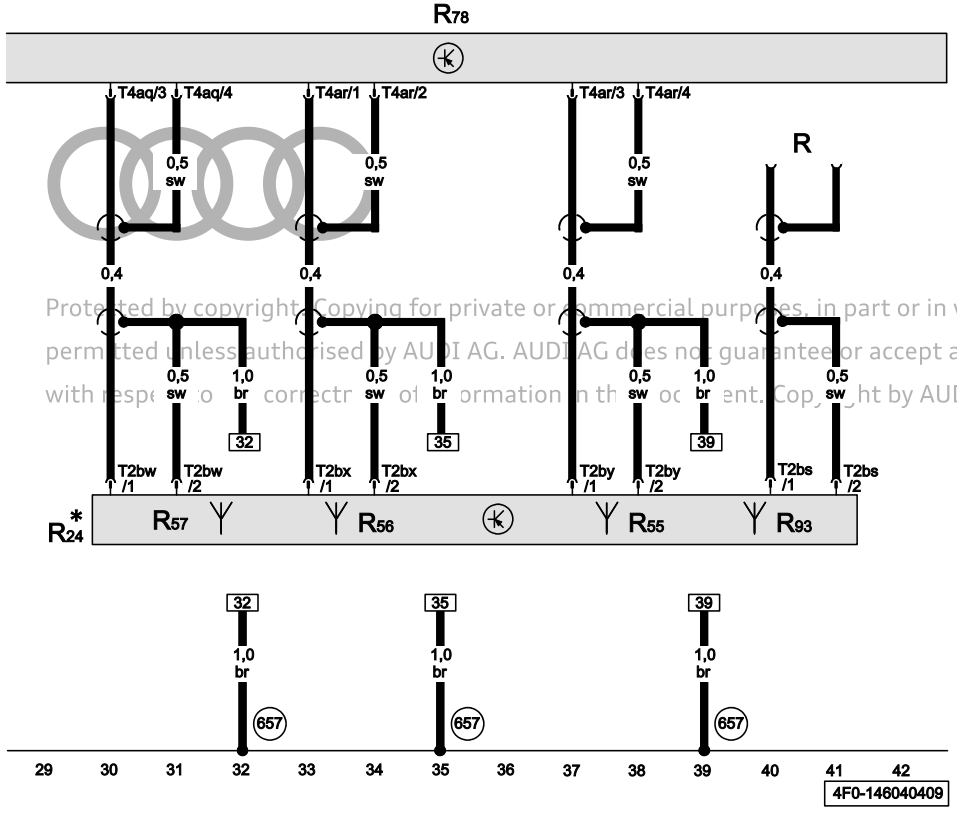


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TV tuner, TV aerial 1 up to 3

R	Radio
R24	Aerial amplifier
R55	TV aerial 1
R56	TV aerial 2
R57	TV aerial 3
R78	TV tuner
R93	Radio aerial 2
T2bs	2-pin connector, white, on aerial amplifier
T2bw	2-pin connector, purple, on aerial amplifier
T2bx	2-pin connector, yellow, on aerial amplifier
T2by	2-pin connector, green, on aerial amplifier
T4aq	4-pin connector, green, connector C, on TV tuner
T4ar	4-pin connector, brown, connector D, on TV tuner
657	Earth point 1, on left near rear window
*	left rear window



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MMI (information electronics I) (8DZ, UF7, 7Q3)

⇒ only models with Japan equipment
⇒ for models with MMI generation 3 only (MOST)
⇒ Operating unit
⇒ Navigation system
⇒ AMI-interface (Audi Music Interface)
⇒ Chip card reader control unit

from June 2009

Notes:

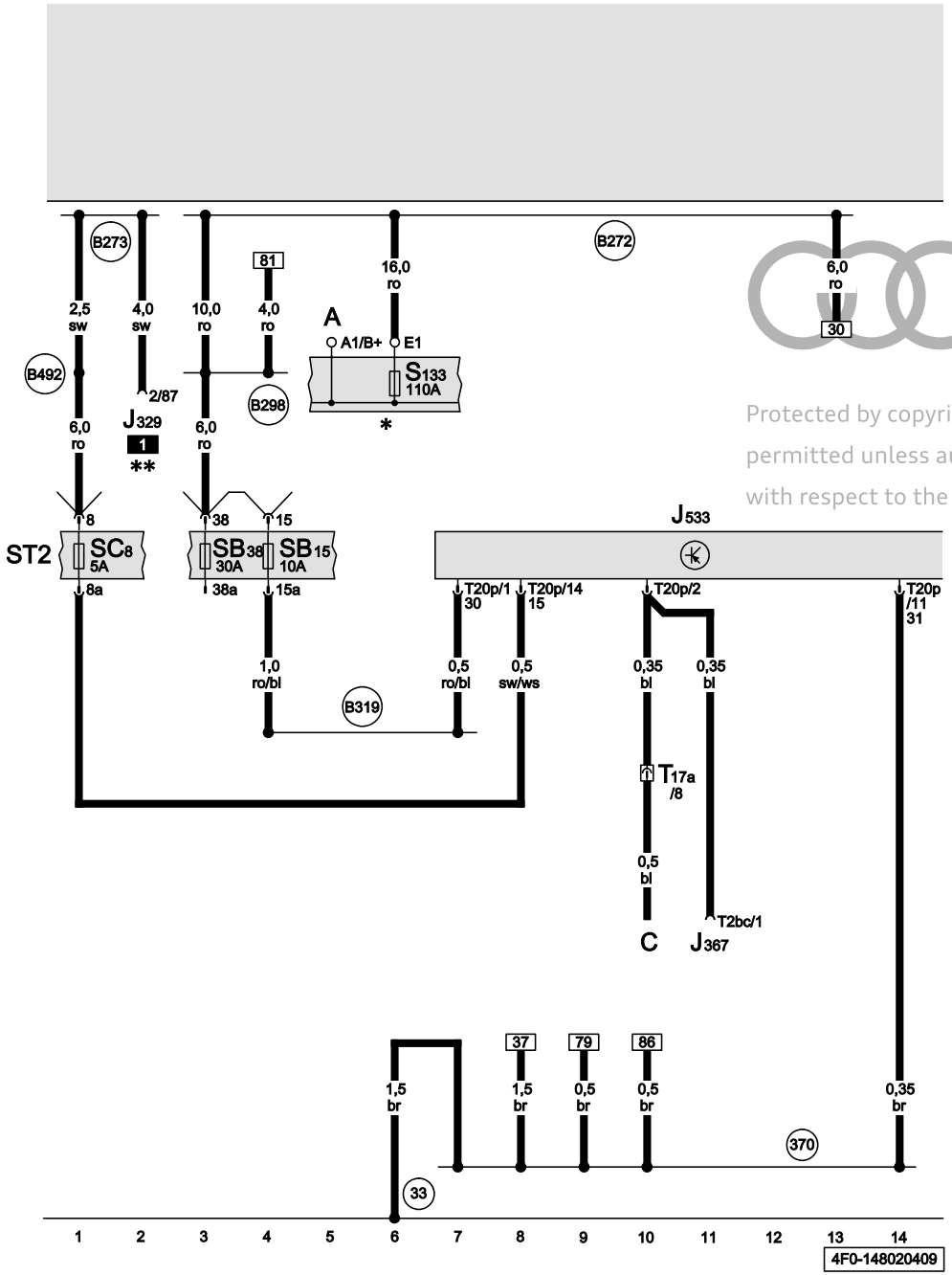
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning
- Fault Finding Programs

⇒ guided fault finding

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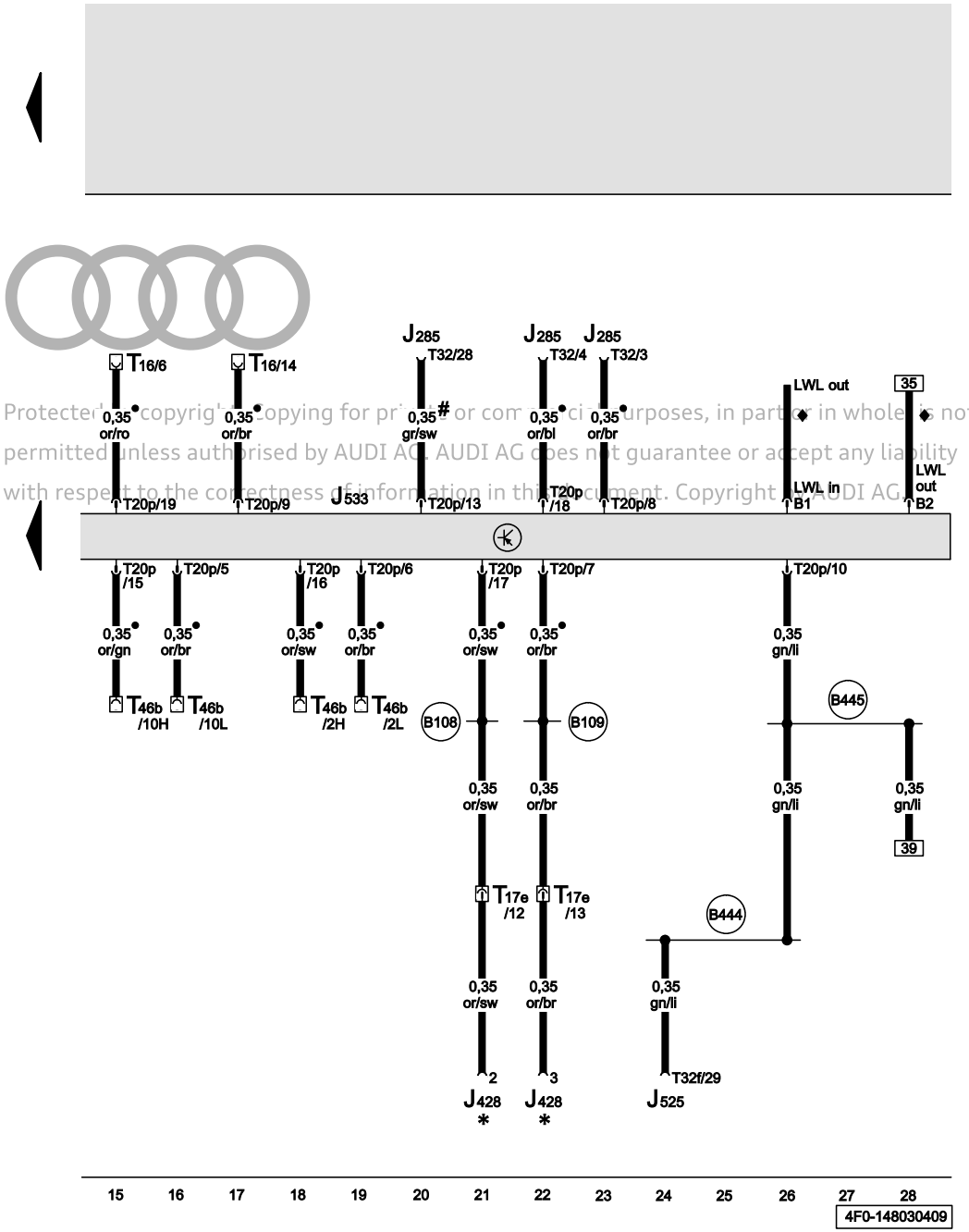


Data bus diagnostic interface, fuses

A	Battery
C	Alternator
J329	Terminal 15 voltage supply relay
J367	Battery monitor control unit
J533	Data bus diagnostic interface
S133	Fuse 3
SB15	Fuse 15 on fuse holder B
SB38	Fuse 38 on fuse holder B
SC8	Fuse 8 on fuse holder C
T2bc	2-pin connector, yellow, on battery monitor control unit
T17a	17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20p	20-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
**	9-point relay carrier, behind driver storage compartment

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Data bus diagnostic interface

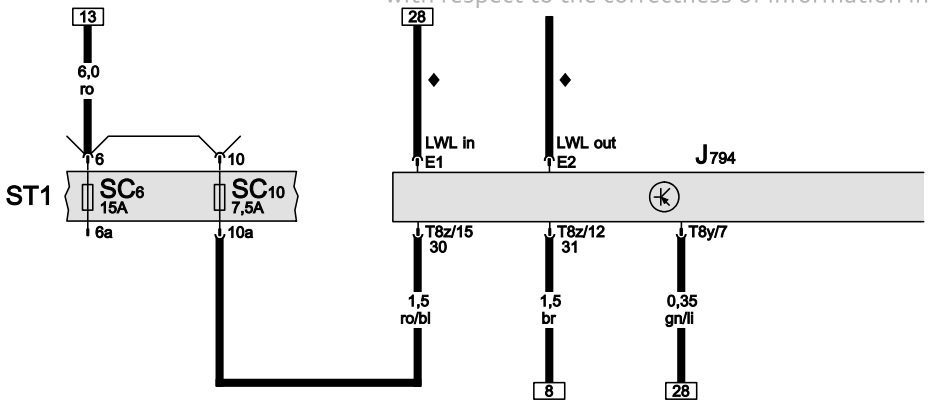
J285	Control unit in dash panel insert
J428	Adaptive cruise control unit
J525	Digital sound package control unit
J533	Data bus diagnostic interface
T16	16-pin connector, diagnostic connector
T17e	17-pin connector, red, coupling station on left of A-pillar
T20p	20-pin connector, black, on data bus diagnostic interface
T32	32-pin connector, grey, on dash panel insert
T32f	32-pin connector, black, connector A, on digital sound package control unit
T46b	46-pin connector, CAN disconnector right
B108	Connection 1 (CAN bus extended high) in main wiring harness
B109	Connection 1 (CAN bus extended low) in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness (ring brake diagnosis)
B445	Connection 2 (diagnosis), in main wiring harness (ring brake diagnosis)
•	CAN bus (data wire)
*	models with distance control
#	Wake Up wire (exciter wire)
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

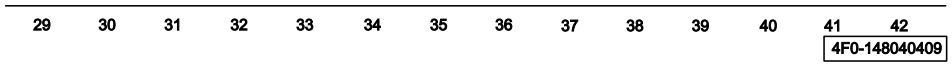
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Control unit 1 for information electronics, fuses

J794	Control unit for information electronics 1
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, control unit for information electronics 1
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

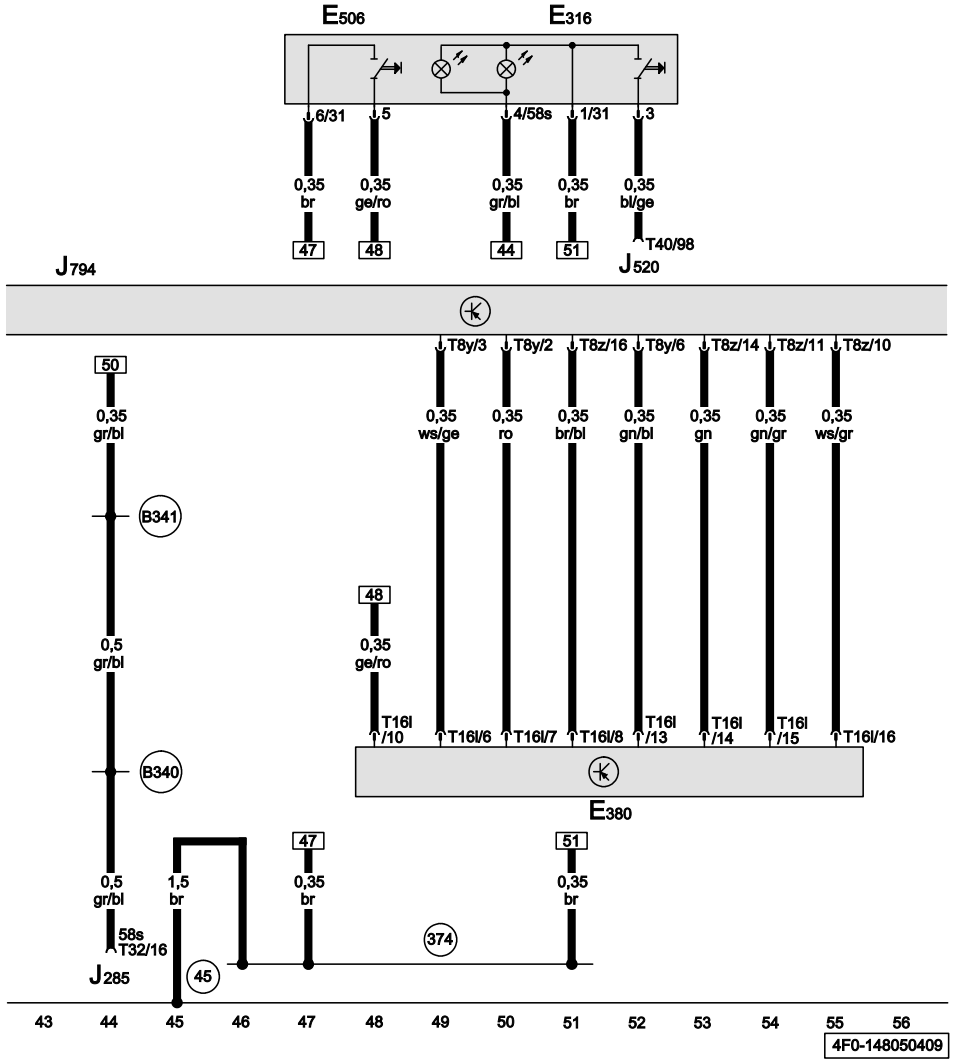
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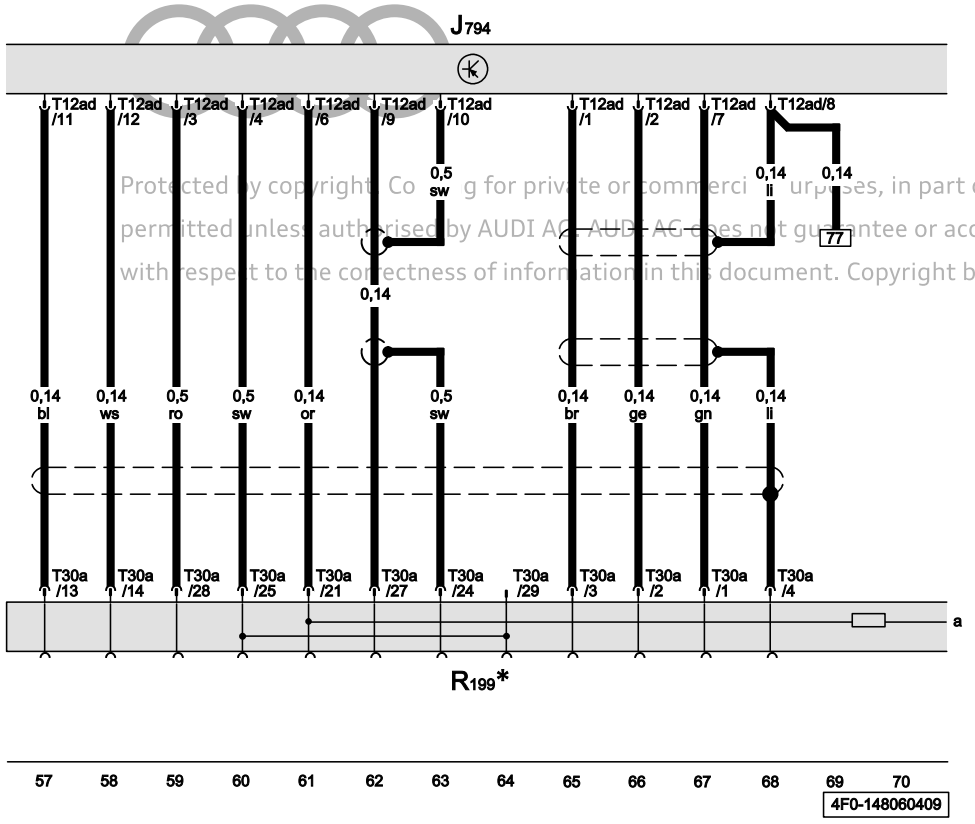
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Control unit for information electronics 1, multimedia system operating unit, glove compartment button, display unit button

E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J794	Control unit for information electronics 1
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T16l	16-pin connector, brown, on multimedia system operating unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
45	Earth point, centre behind dash panel
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness

Control unit for information electronics 1, connection for external audio source

J794	Control unit for information electronics 1
R199	Connection for external audio source
T12ad	12-pin connector, green, connector C, on control unit for information electronics 1
T30a	30-pin connector, interface for connection for external audio source, in glove compartment
*	models with Audi Music Interface (AMI) (UF7)

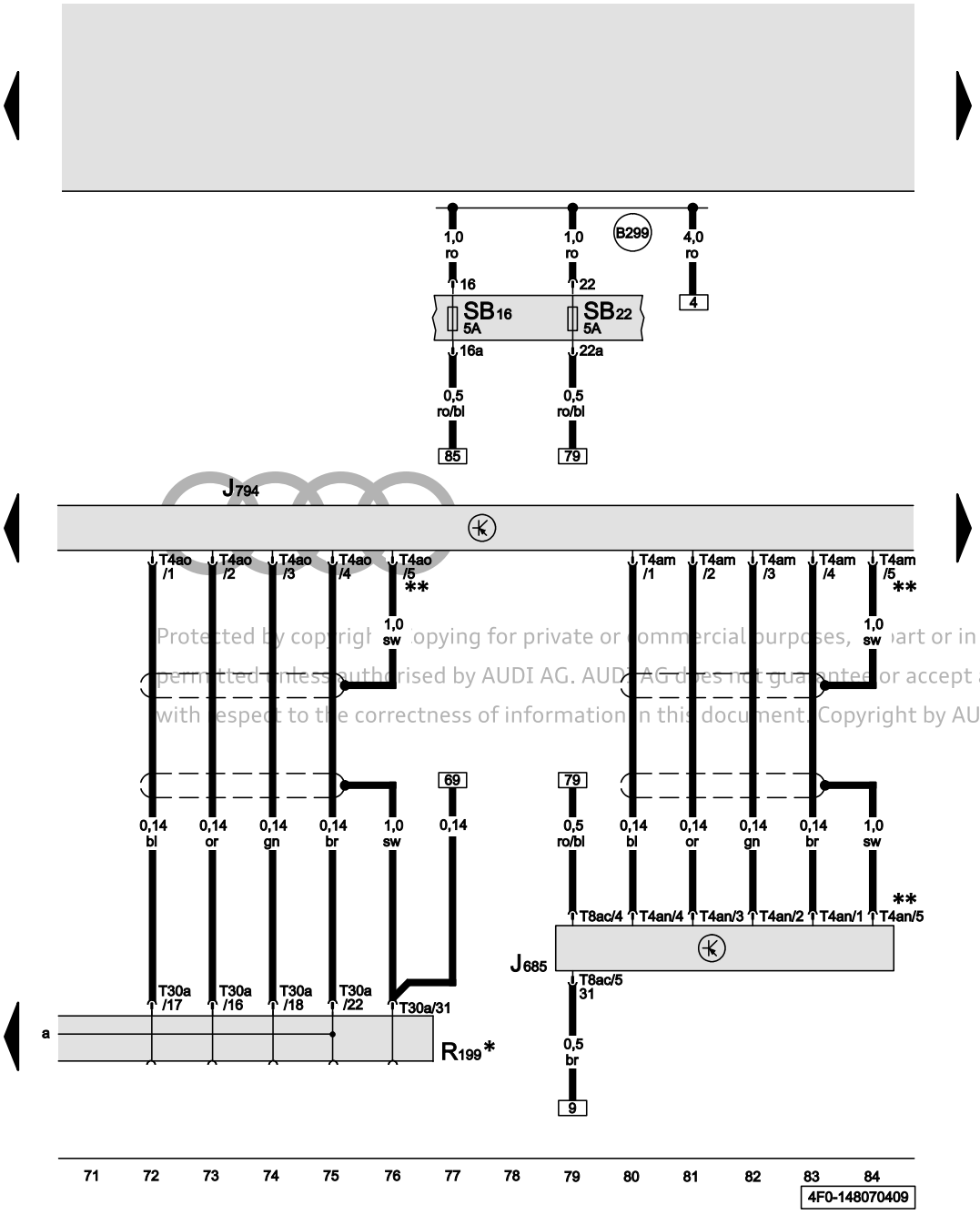


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Control unit for information electronics 1, display unit for front information display and operating unit control unit, connection for external audio source

J794	Control unit for information electronics 1
J685	Display unit for front information display and operating unit control unit
R199	Connection for external audio source
SB16	Fuse 16 on fuse holder B
SB22	Fuse 22 on fuse holder B
T4am	4-pin connector, grey, on control unit for information electronics 1
T4an	4-pin connector, black, on display unit for front information display and operating unit control unit
T4ao	4-pin connector, on control unit for information electronics 1
T8ac	8-pin connector, black, on display unit for front information display and operating unit control unit
T30a	30-pin connector, interface for connection for external audio source, in glove compartment
B299	Positive connection 3 (30), in main wiring harness
*	models with Audi Music Interface (AMI) (UF7)
**	screening on connector housing



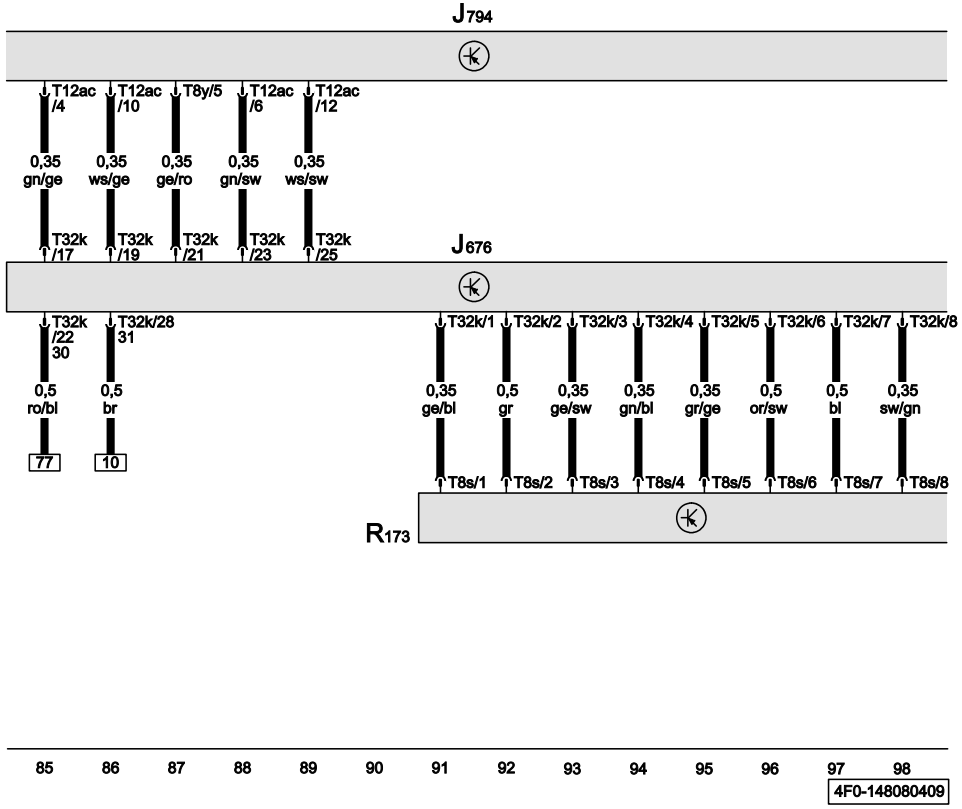
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Control unit 1 for information electronics, traffic data aerial, chip card reader control unit

J676	Chip card reader control unit
J794	Control unit for information electronics 1
R173	Traffic data aerial
T8s	8-pin connector, connector A, on traffic data aerial
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T12ac	12-pin connector, blue, connector B, on control unit 1 for information electronics
T32k	32-pin connector, on chip card reader unit

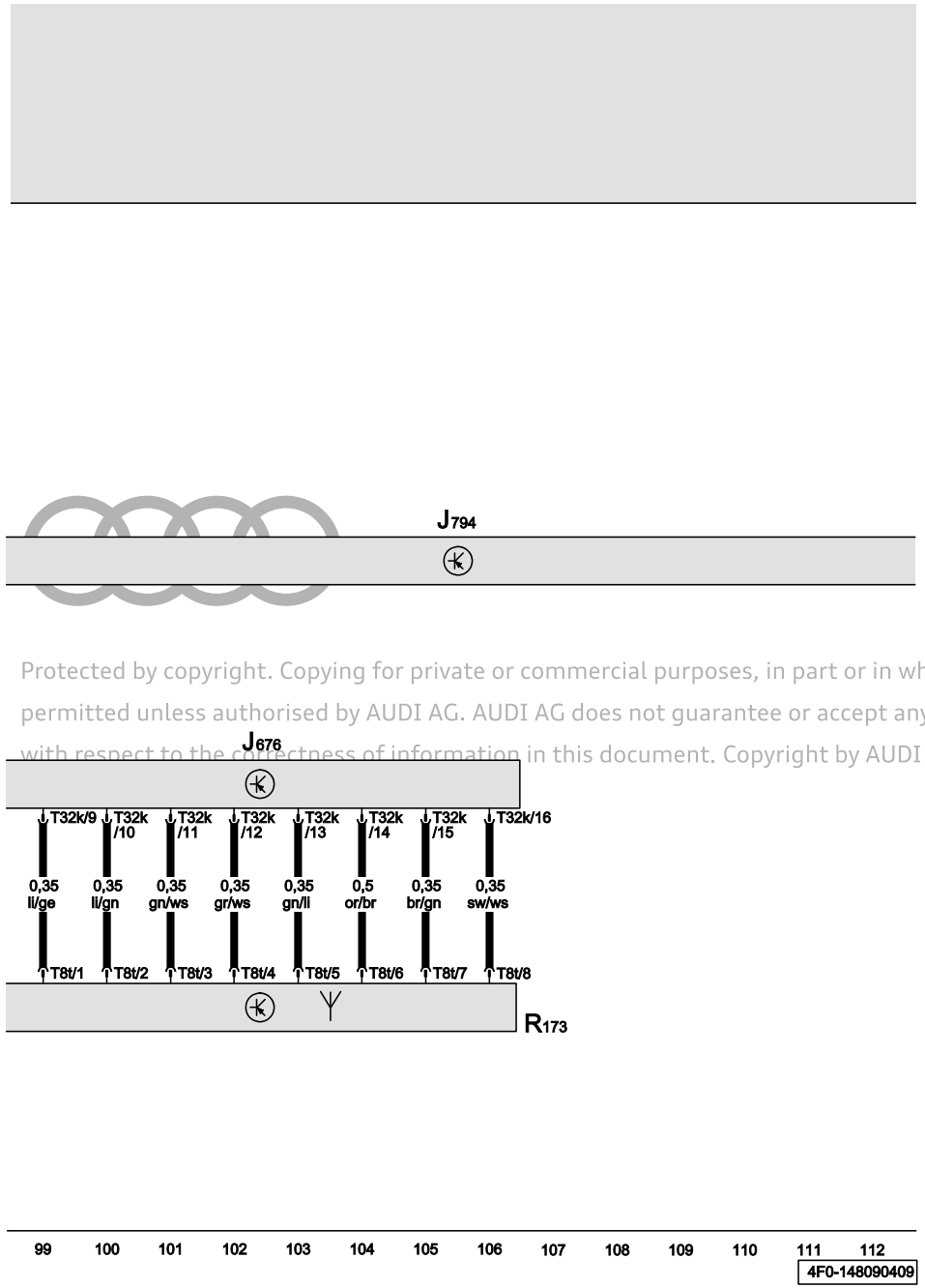
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Chip card reader control unit, traffic data aerial

J676	Chip card reader control unit
J794	Control unit for information electronics 1
R173	Traffic data aerial
T8t	8-pin connector, connector B, on traffic data aerial
T32k	32-pin connector, on chip card reader unit



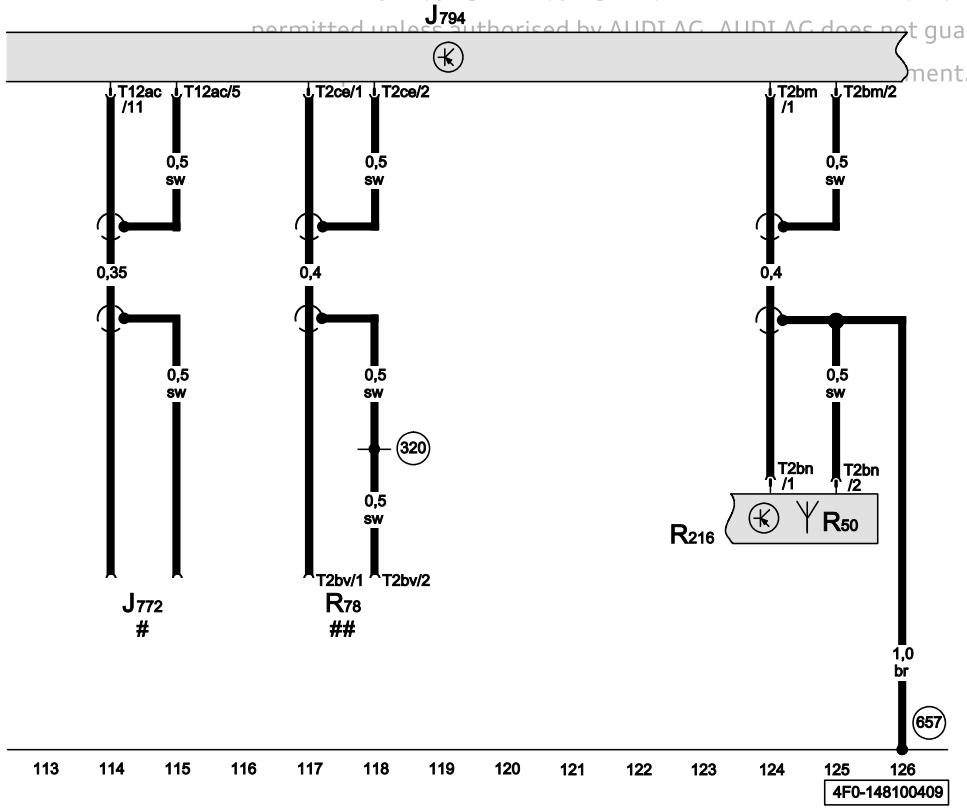
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Control unit for information electronics 1, roof aerial

J772	Reversing camera system control unit
J794	Control unit for information electronics 1
R50	Navigation system aerial
R78	TV tuner
R216	roof aerial
T2bm	2-pin connector, blue, connector F, on control unit for information electronics 1
T2bn	2-pin connector, blue, on roof aerial
T2bv	2-pin connector, green, on TV tuner
T2ce	2-pin connector, green, on control unit for information electronics 1
T12ac	12-pin connector, blue, connector B, on control unit 1 for information electronics
320	Earth connection (screening 1, TV), in communication wiring harness
657	Earth point 1, on left near rear window
#	models with reversing camera system
##	models with TV tuner ⇒ applicable Current Flow Diagram

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MMI (information electronics I) with integrated Bluetooth interface (9ZX)

⇒ **for models with MMI generation 3 only (MOST)**

from June 2009

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

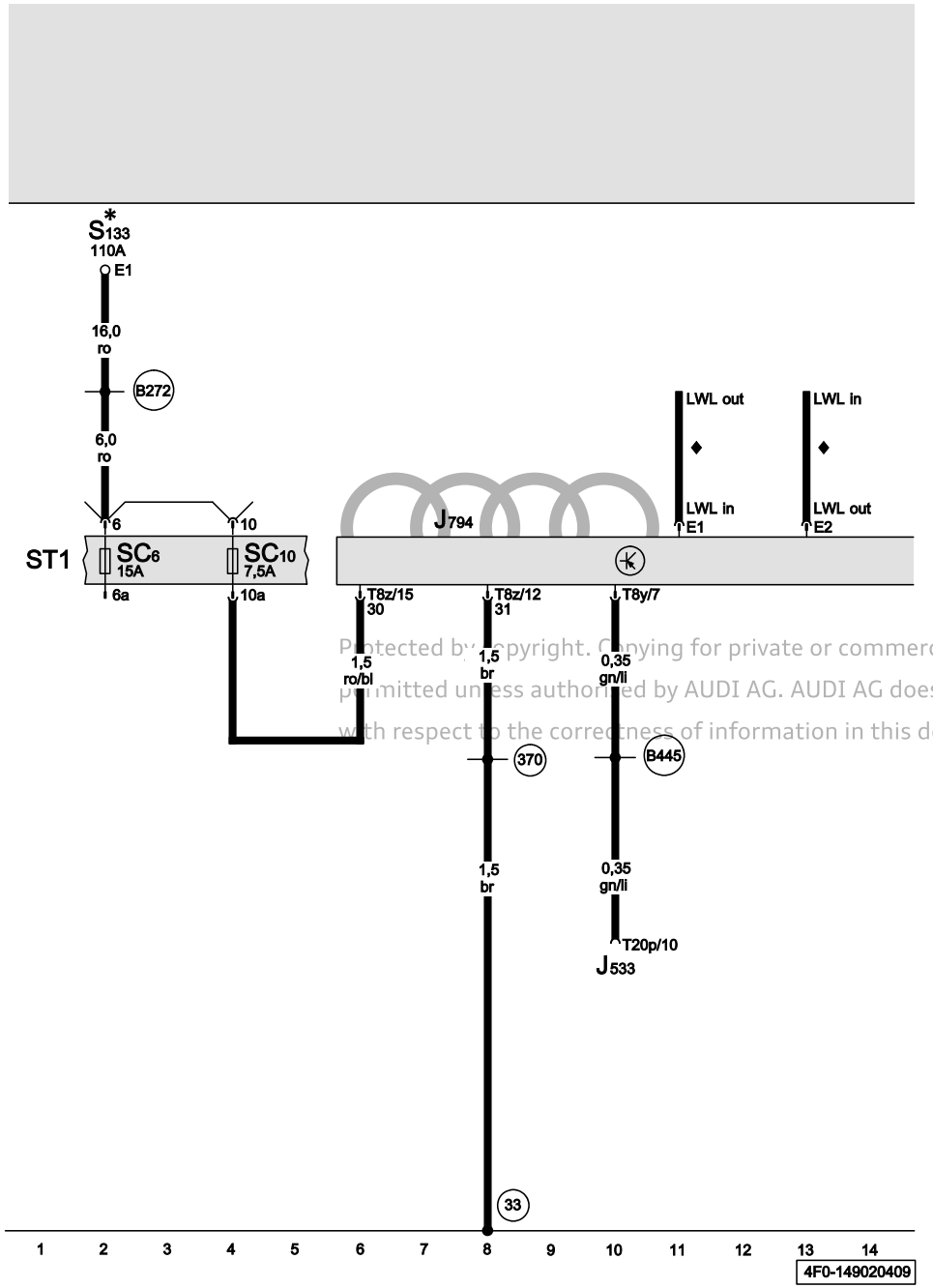
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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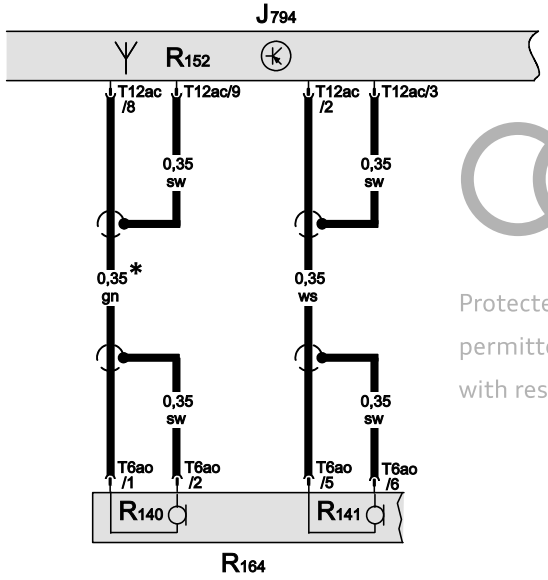
Control unit for information electronics 1, voltage supply

J533	Data bus diagnostic interface
J794	Control unit for information electronics 1
S133	Fuse 3
SC6	Fuse 6 on fuse holder C
SC10	Fuse 10 on fuse holder C
T8y	8-pin connector, brown, connector A, on control unit for information electronics 1
T8z	8-pin connector, black, connector D, on control unit for information electronics 1
T20p	20-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B445	Connection 2 (diagnosis), in main wiring harness
*	main fuse box, in luggage compartment, rear right, on the battery
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Control unit 1 for information electronics, microphone unit in front roof module, aerial for Bluetooth

J794	Control unit for information electronics 1
R140	Front left microphone
R141	Front right microphone
R152	Aerial for Bluetooth
R164	Microphone unit in front roof module
T6ao	6-pin connector, blue, microphone connection roof module
T12ac	12-pin connector, blue, connector B, on control unit 1 for information electronics
*	models with voice control



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15 16 17 18 19 20 21 22 23 24 25 26 27 28

4F0-149030409

Headlight for gaseous discharge light (Bixenon) and automatic headlight range control

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

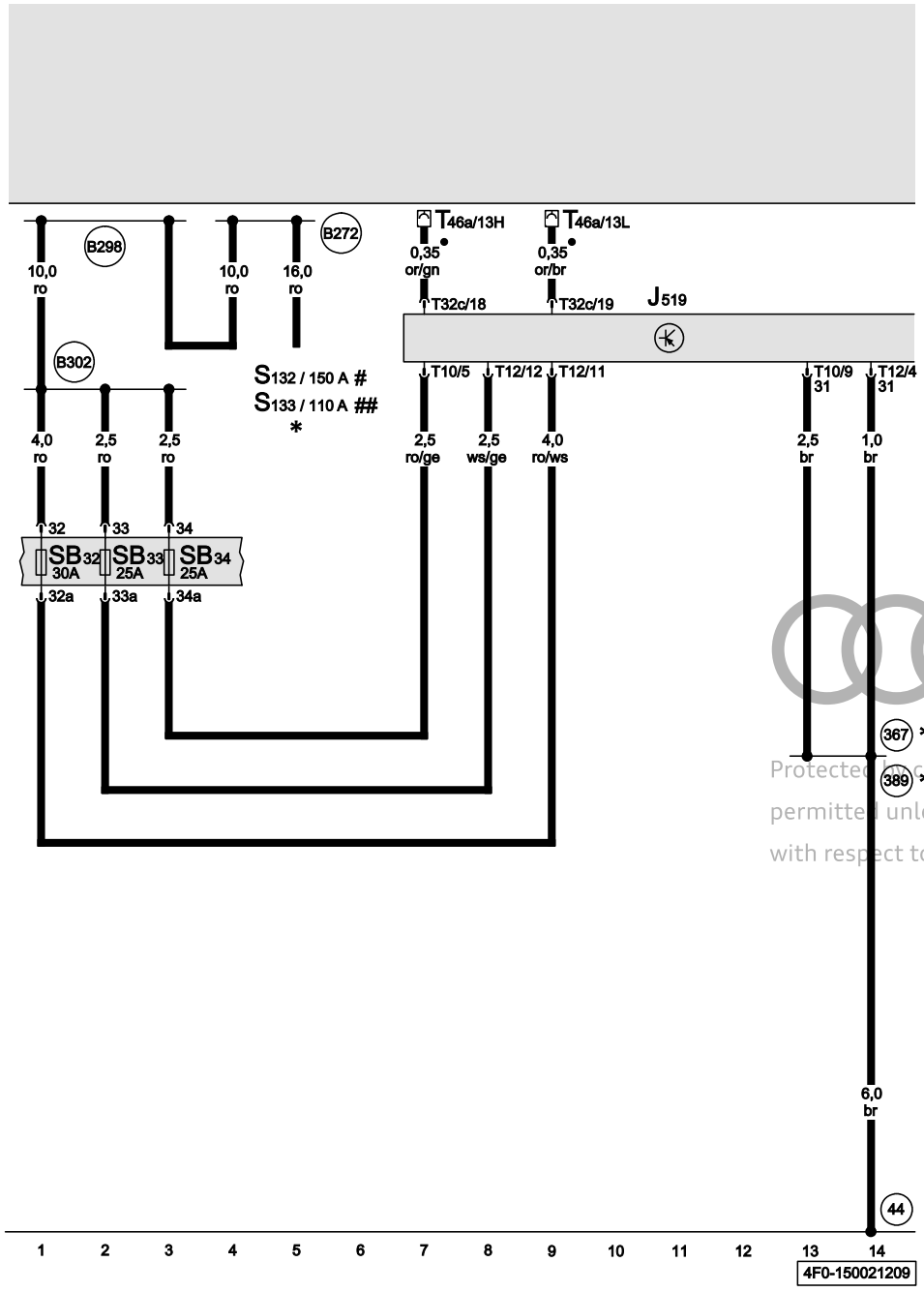
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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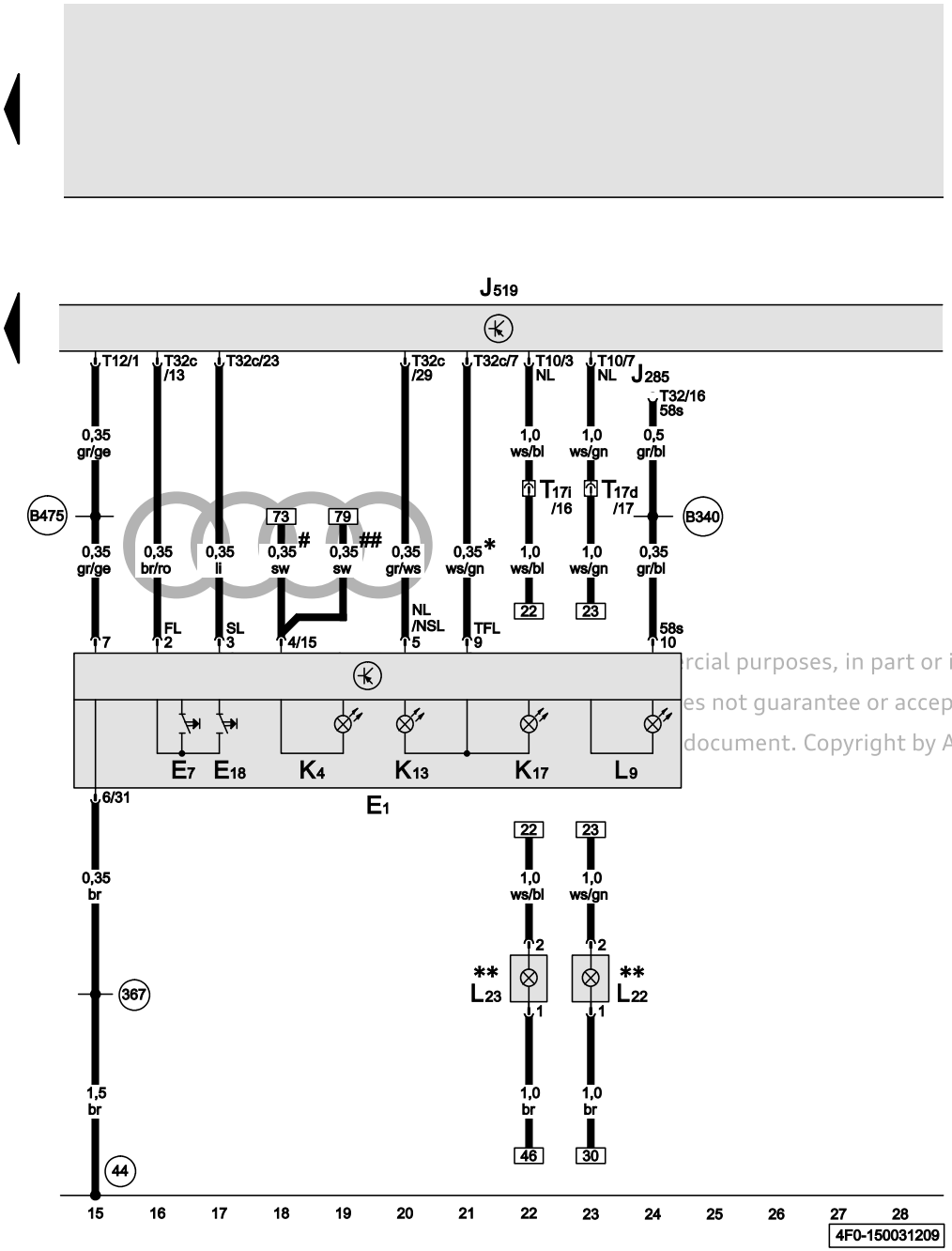
Onboard power supply control unit, fuses

J519	Onboard supply control unit
S132	Fuse 2
S133	Fuse 3
SB32	Fuse 32 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB34	Fuse 34 on fuse holder B
T10	10-pin connector, black, connector A, on onboard power supply control unit
T12	12-pin connector, black, connector B, on onboard power supply control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T46a	46-pin connector, CAN disconnector left
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
-	CAN bus (data wire)
*	Relay and fuse carrier right in luggage compartment
**	up to October 2005
***	from November 2005
#	up to model year 2006
##	from model year 2007

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

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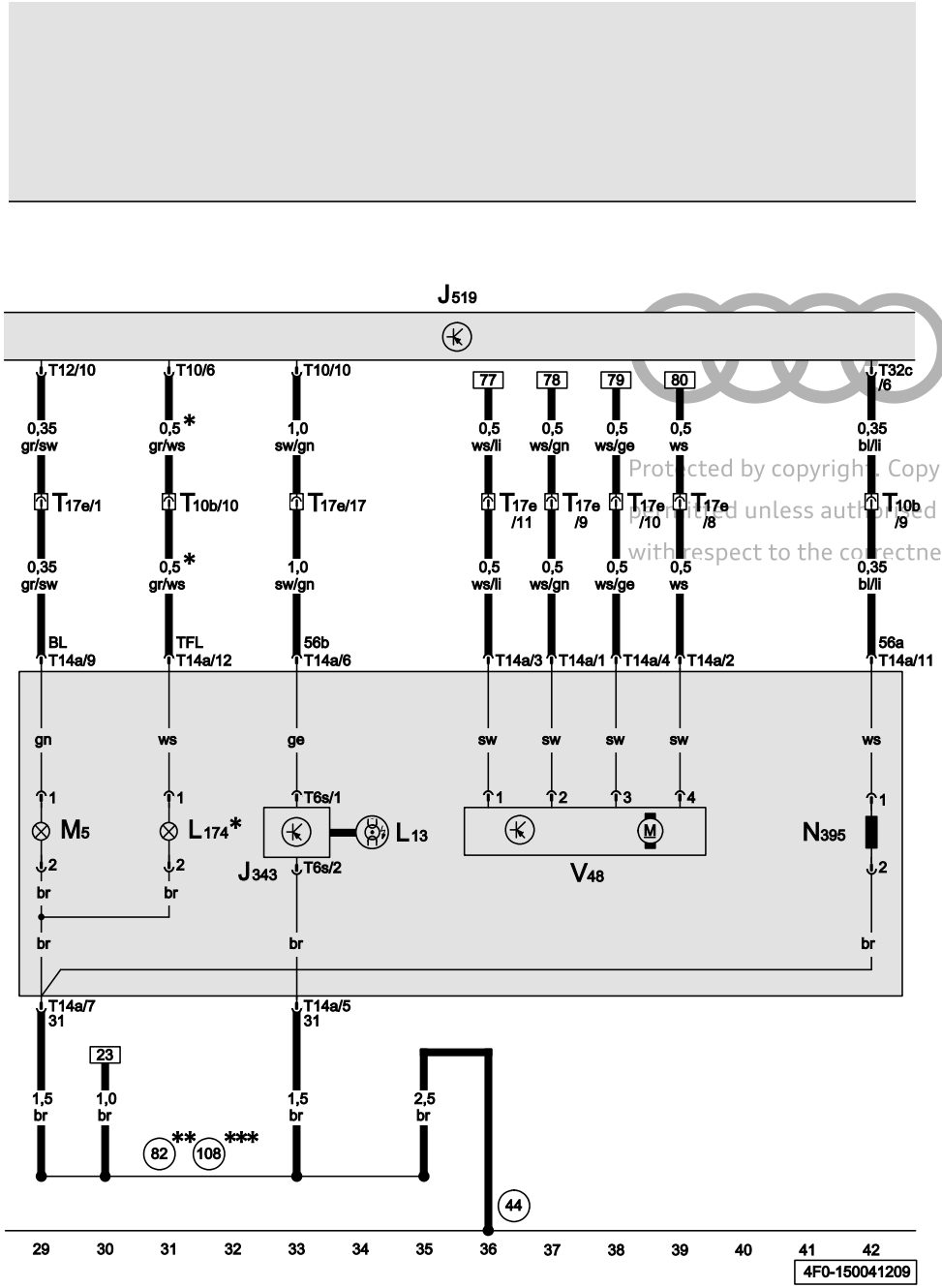
Onboard supply control unit, light switch, left and right fog light bulb



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E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
J285	Control unit in dash panel insert
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
L22	Left fog light bulb
L23	Right fog light bulb
T10	10-pin connector, black, connector A, on onboard power supply control unit
T12	12-pin connector, black, connector B, on onboard power supply control unit
T17d	17-pin connector, black, coupling station on left A-pillar
T17i	17-pin connector, red, coupling station on right A-pillar
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, connector C, on onboard supply control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B475	Connection 11, in main wiring harness
*	models with day driving light
**	models with fog light
#	up to October 2005
##	from November 2005

ws	=	white
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ro	=	red
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gn	=	green
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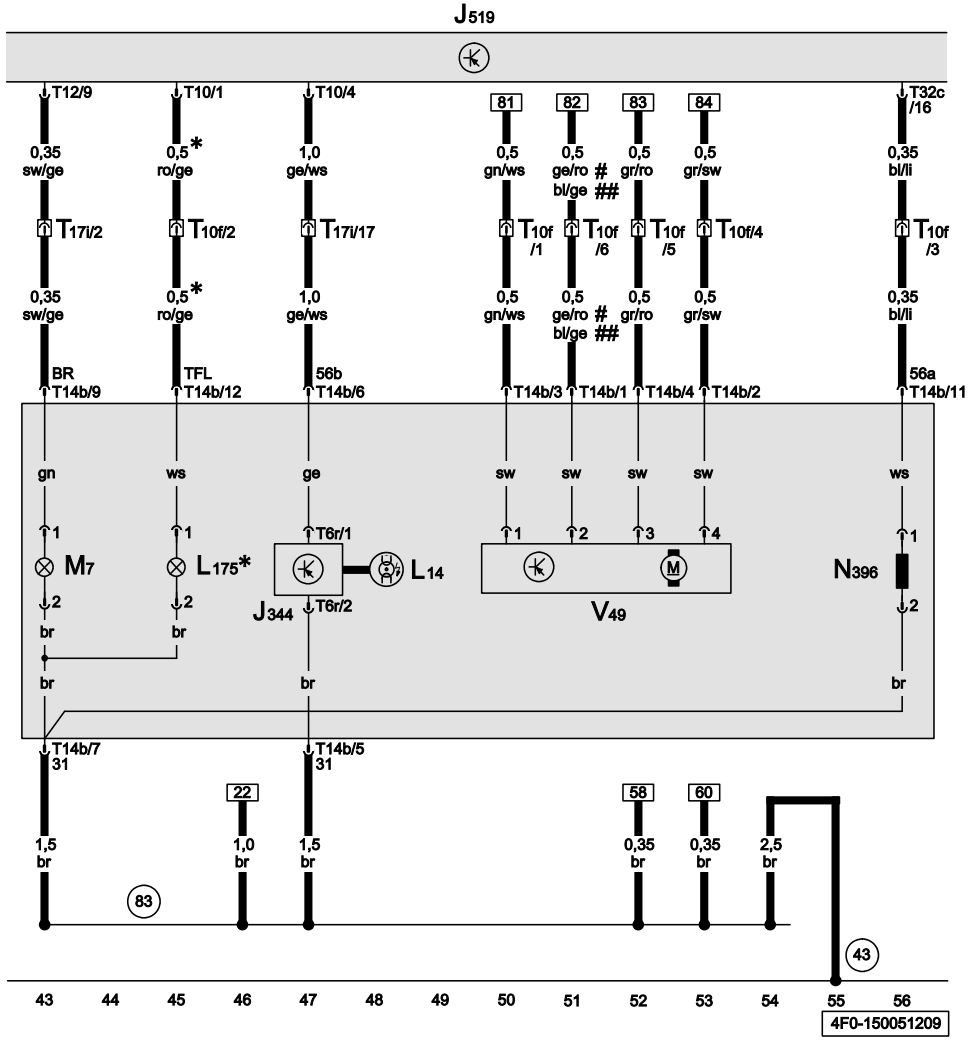
Onboard supply control unit, left headlight

J343	Left gas discharge light control unit
J519	Onboard supply control unit
L13	Left gas discharge (xenon) bulb
L174	Left day driving light bulb
M5	Front left turn signal bulb
N395	Left headlight screen adjustment solenoid
T6s	6-pin connector, black, on left gas discharge bulb control unit
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10b	10-pin connector, blue, coupling station on left A-pillar
T12	12-pin connector, black, connector B, on onboard power supply control unit
T14a	14-pin connector, black, on left headlight
T17e	17-pin connector, red, coupling station on left A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit
V48	Left headlight range control motor
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
*	models with day driving light
**	up to October 2005
***	from November 2005

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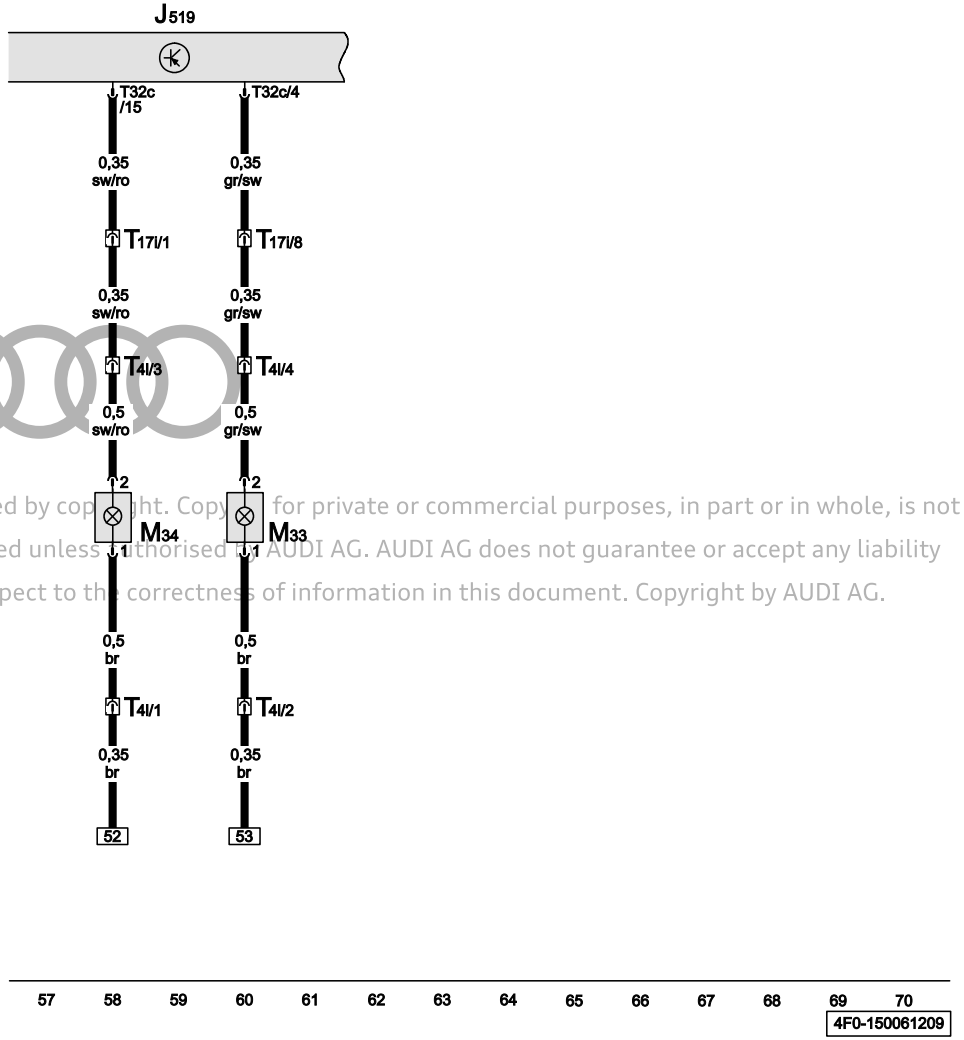
Onboard supply control unit, right headlight

J344	Right gas discharge light control unit
J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L175	Right day driving light bulb
M7	Front right turn signal bulb
N396	Right headlight screen adjustment solenoid
T6r	6-pin connector, black, on right gas discharge bulb control unit
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10f	10-pin connector, white, coupling station on right A-pillar
T12	12-pin connector, black, connector B, on onboard power supply control unit
T14b	14-pin connector, black, on right headlight
T17i	17-pin connector, red, coupling station on right A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit
V49	Right headlight range control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	models with day driving light
#	up to model year 2005
##	from model year 2006

ws	=	white
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ro	=	red
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gn	=	green
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or	=	orange
rs	=	pink

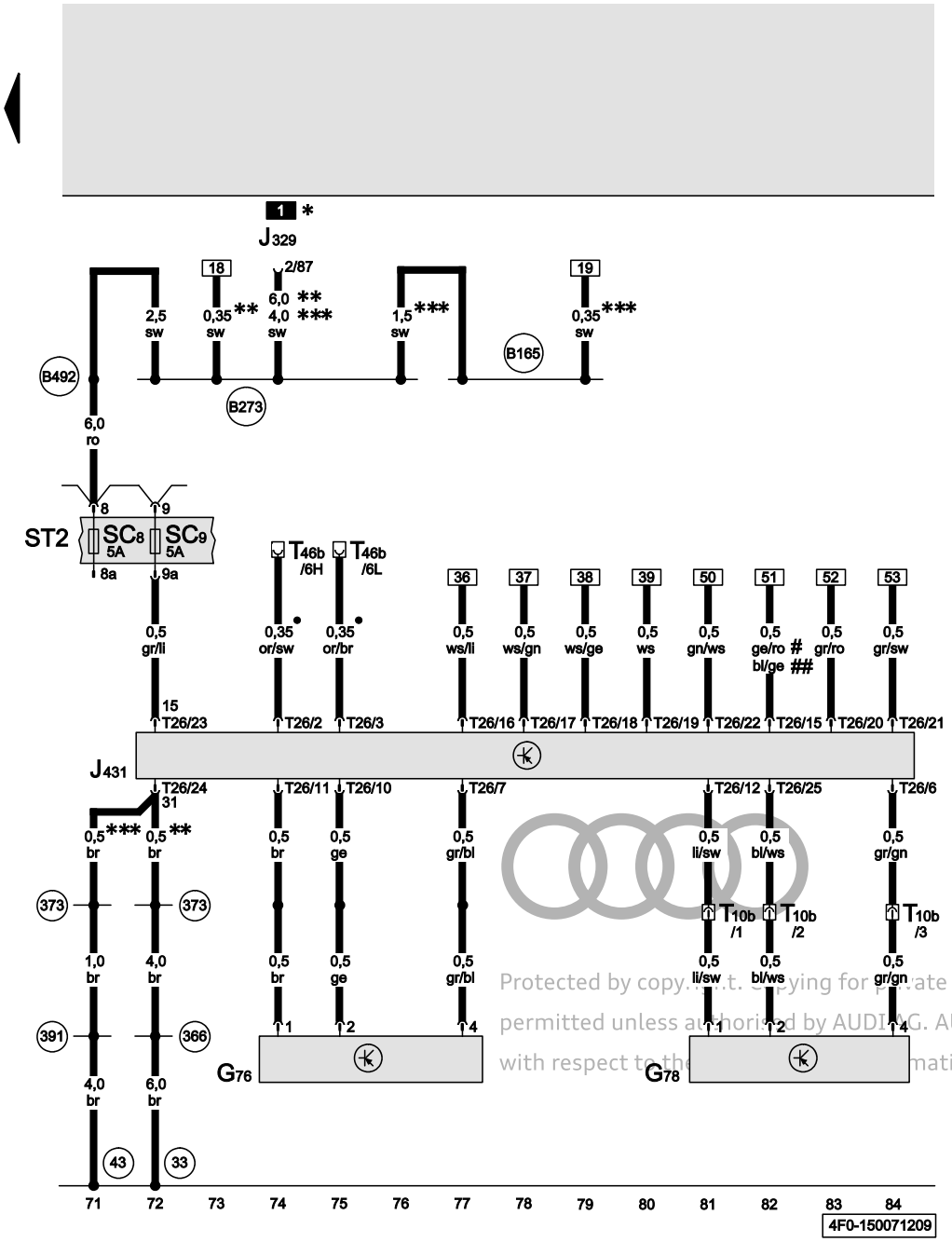
Onboard supply control unit, front left and right side marker bulb

J519	Onboard supply control unit
M33	Front left side marker bulb
M34	Front right side marker bulb
T4l	4-pin connector, black, in front right engine compartment
T17i	17-pin connector, red, coupling station on right A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit



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or	=	orange
rs	=	pink



Headlight range control, control unit, rear and front left vehicle level sender

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J329	Terminal 15 voltage supply relay
J431	Headlight range control, control unit
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
T10b	10-pin connector, blue, coupling station on left A-pillar
T26	26-pin connector, black, on headlight range control, control unit
T46b	46-pin connector, CAN disconnector right
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	up to October 2005
***	from November 2005
#	up to model year 2005
##	from model year 2006

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Headlight for gaseous discharge light (Bixenon), cornering light and automatic headlight range control, (A8U),(TE5)

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

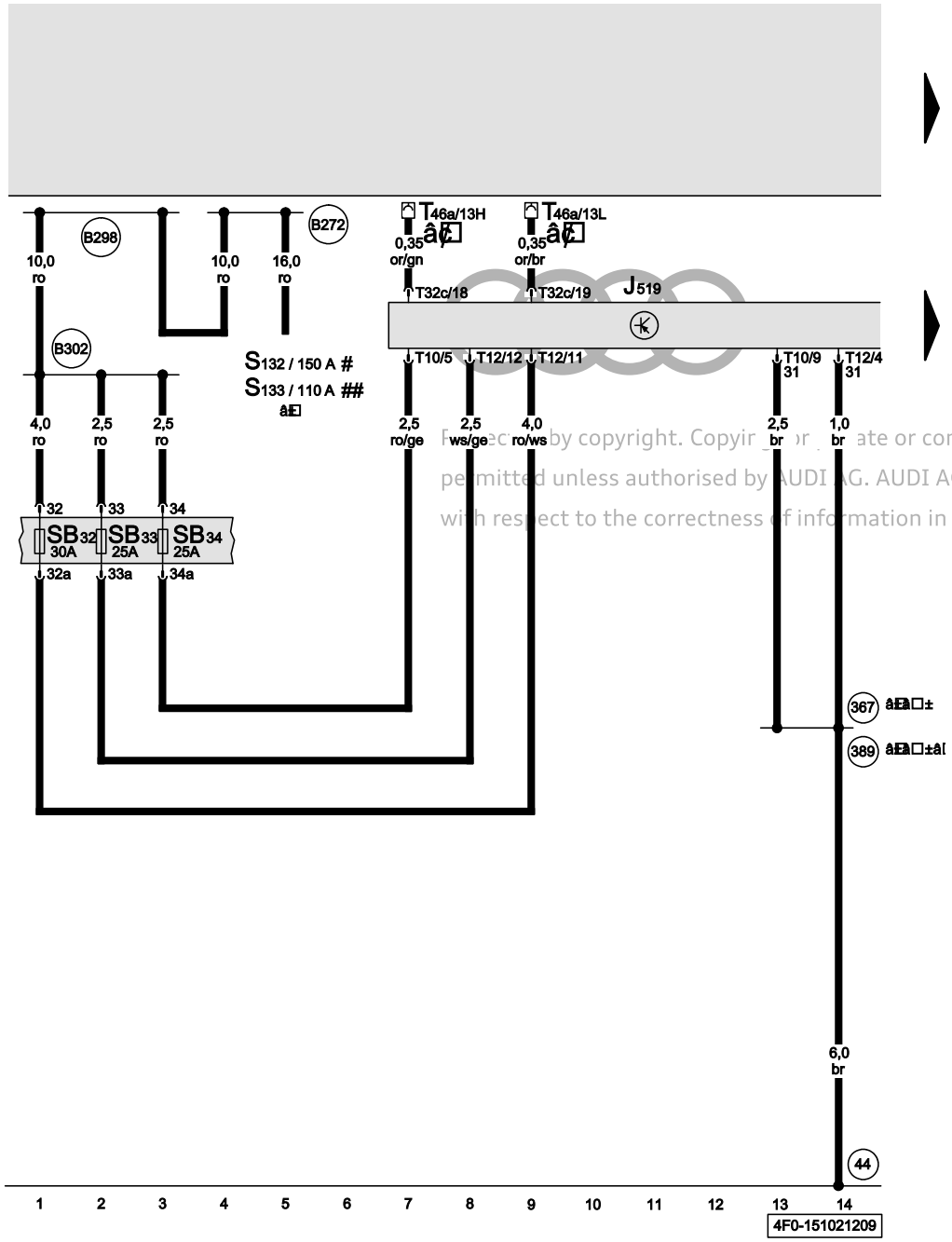
For information concerning

- Fault Finding Programs

⇒ guided fault finding



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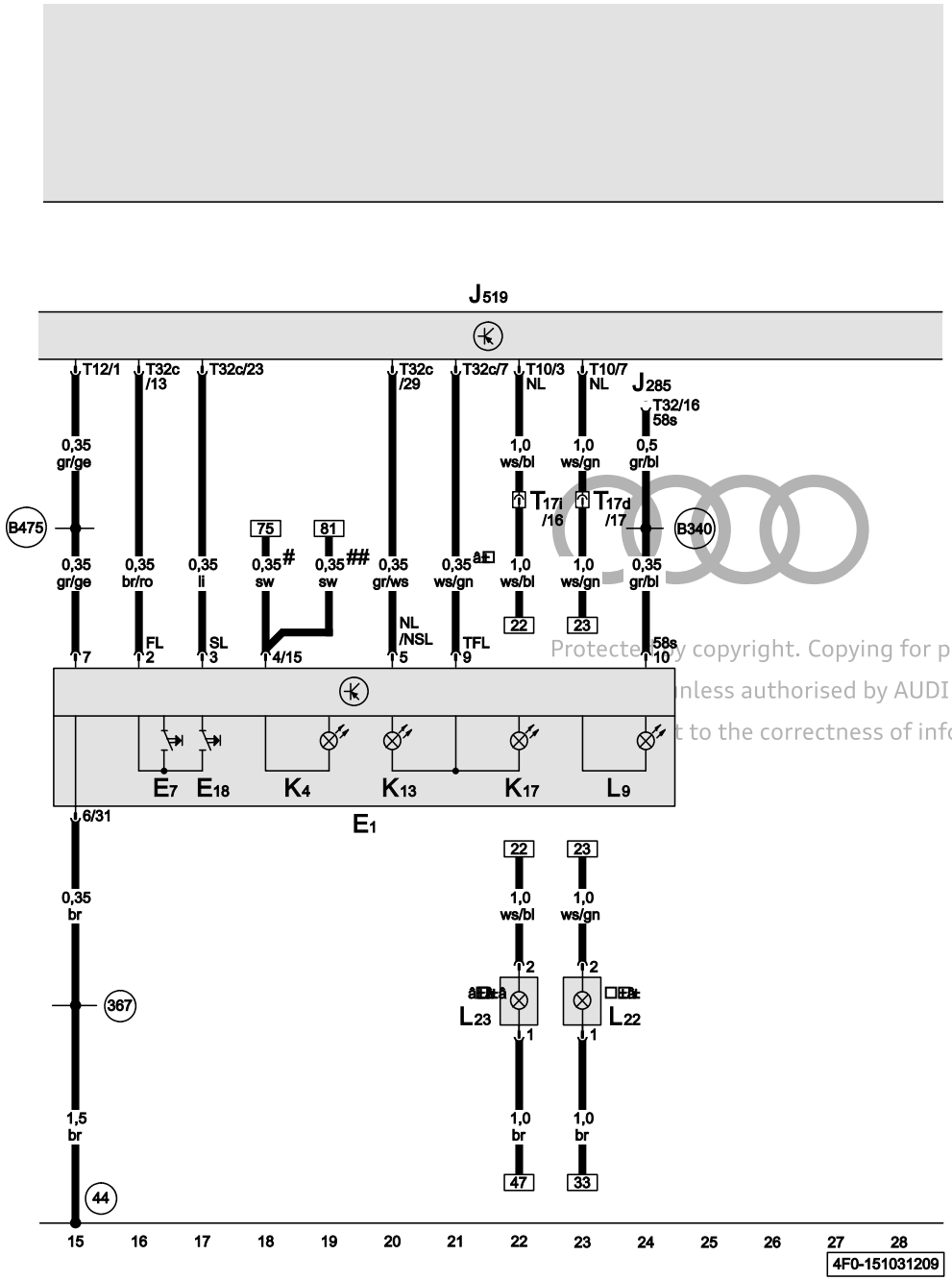


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Onboard power supply control unit, fuses

J519	Onboard supply control unit
S132	Fuse 2
S133	Fuse 3
SB32	Fuse 32 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB34	Fuse 34 on fuse holder B
T10	10-pin connector, black, connector A, on onboard power supply control unit
T12	12-pin connector, black, connector B, on onboard power supply control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
T46a	46-pin connector, CAN disconnector left
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
389	Earth connection 24, in main wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
•	CAN bus (data wire)
*	Relay and fuse carrier right in luggage compartment
**	up to October 2005
***	from November 2005
#	up to model year 2006
##	from model year 2007

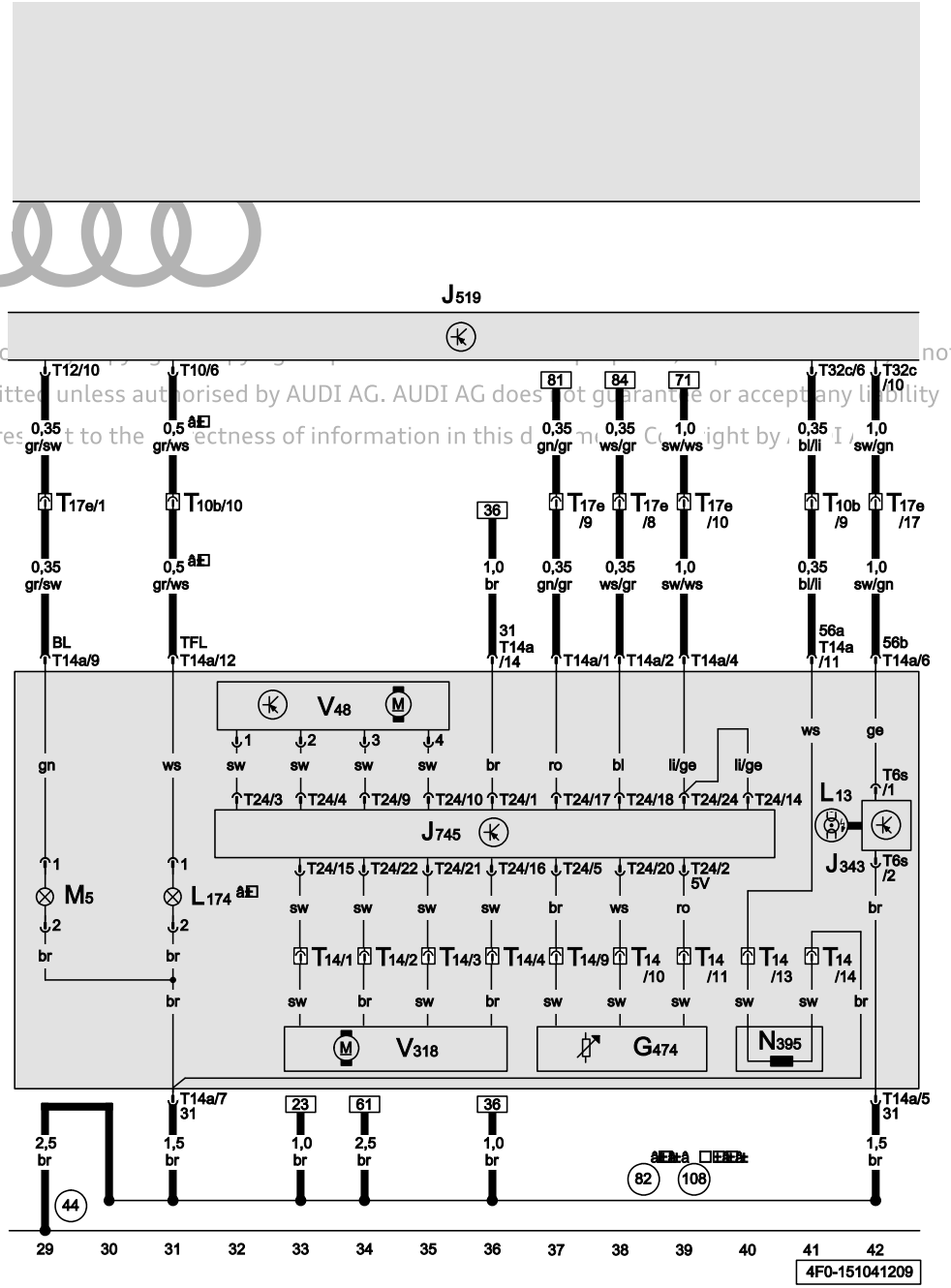


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Onboard supply control unit, light switch, left and right fog light bulb

E1	Light switch
E7	Fog light switch
E18	Rear fog light switch
J285	Control unit in dash panel insert
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
L22	Left fog light bulb
L23	Right fog light bulb
T10	10-pin connector, black, connector A, on onboard power supply control unit
T12	12-pin connector, black, connector B, on onboard power supply control unit
T17d	17-pin connector, black, coupling station on left A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
T32	32-pin connector, grey, on dash panel insert
T32c	32-pin connector, white, connector C, on onboard supply control unit
44	Earth point, lower part of left A-pillar
367	Earth connection 2, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B475	Connection 11 in main wiring harness
*	models with day driving light
**	models with fog light
#	up to October 2005
##	from November 2005

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

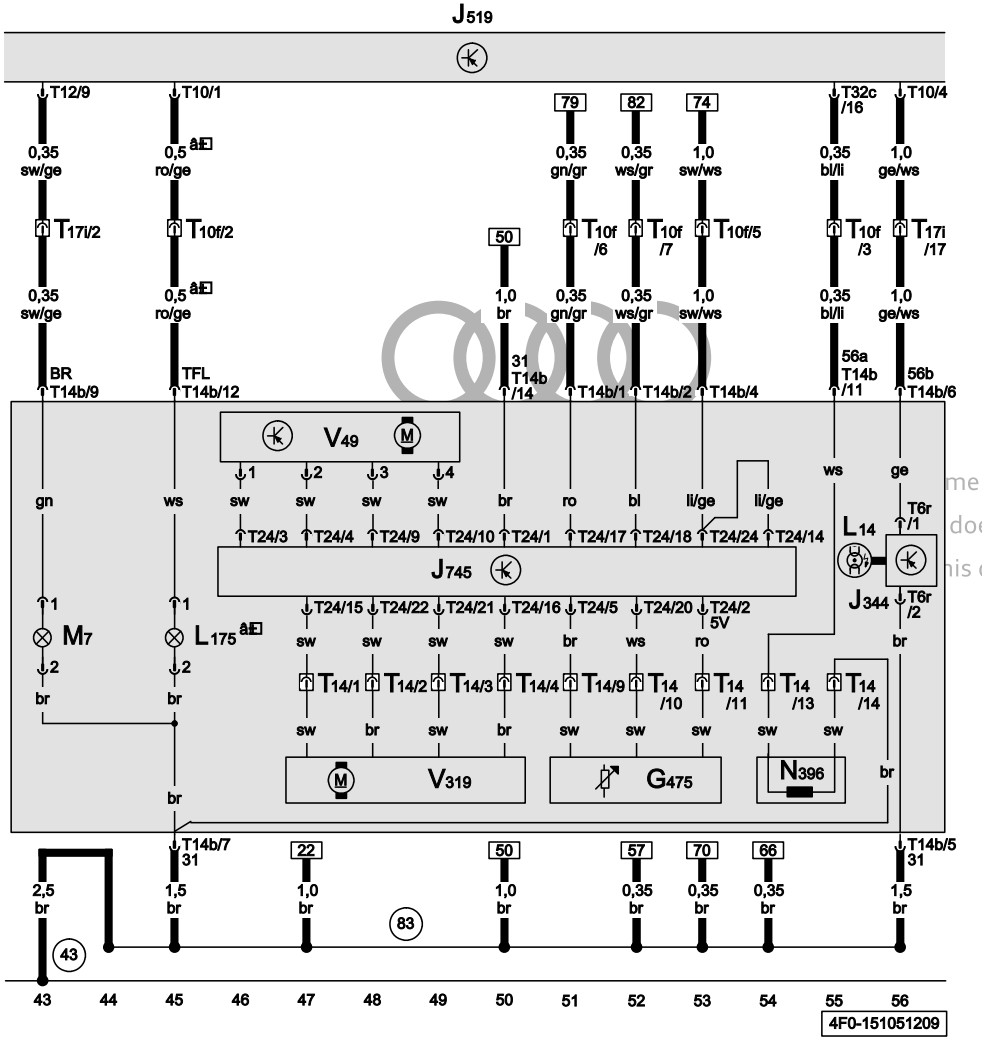


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Onboard supply control unit, left headlight

G474	Left swivel module position sensor
J343	Left gas discharge light control unit
J519	Onboard supply control unit
J745	Cornering light and headlight range control unit
L13	Left gas discharge (xenon) bulb
L174	Left day driving light bulb
M5	Front left turn signal bulb
N395	Left headlight screen adjustment solenoid
T6s	6-pin connector, black, on left gas discharge bulb control unit
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10b	10-pin connector, blue, coupling station on left of A-pillar
T12	12-pin connector, black, connector B, on onboard power supply control unit
T14	14-pin connector, black, in headlight
T14a	14-pin connector, black, on left headlight
T17e	17-pin connector, red, coupling station on left A-pillar
T24	24-pin connector, white, on cornering light and headlight range control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
V48	Left headlight range control motor
V318	Left dynamic cornering light control motor
44	Earth point, lower part of left A-pillar
82	Earth connection 1, in front left wiring harness
108	Earth connection 2, in front left wiring harness
*	models with day driving light
**	up to October 2005
***	from November 2005

ws	=	white
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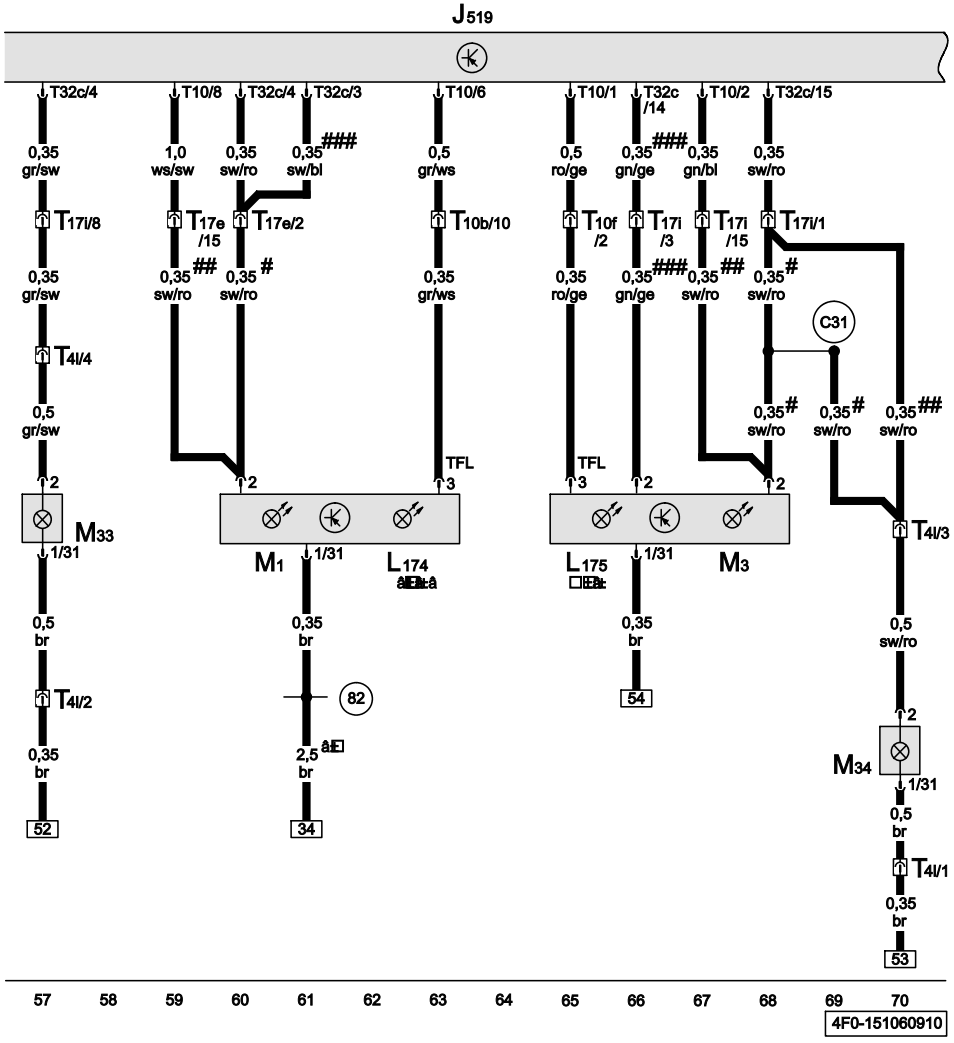
Onboard supply control unit, right headlight

G475	Right swivel module position sensor
J344	Right gas discharge light control unit
J519	Onboard supply control unit
J745	Cornering light and headlight range control unit
L14	Right gas discharge (xenon) bulb
L175	Right day driving light bulb
M7	Front right turn signal bulb
N396	Right headlight screen adjustment solenoid
T6r	6-pin connector, black, on right gas discharge bulb control unit
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10f	10-pin connector, white, coupling station on right of A-pillar
T12	12-pin connector, black, connector B, on onboard power supply control unit
T14	14-pin connector, black, in headlight
T14b	14-pin connector, black, on right headlight
T17i	17-pin connector, red, coupling station on right of A-pillar
T24	24-pin connector, white, on cornering light and headlight range control unit
T32c	32-pin connector, white, connector C, on onboard supply control unit
V49	Right headlight range control motor
V319	Right dynamic cornering light control motor
43	Earth point, lower part of right A-pillar
83	Earth connection 1, in front right wiring harness
*	models with day driving light

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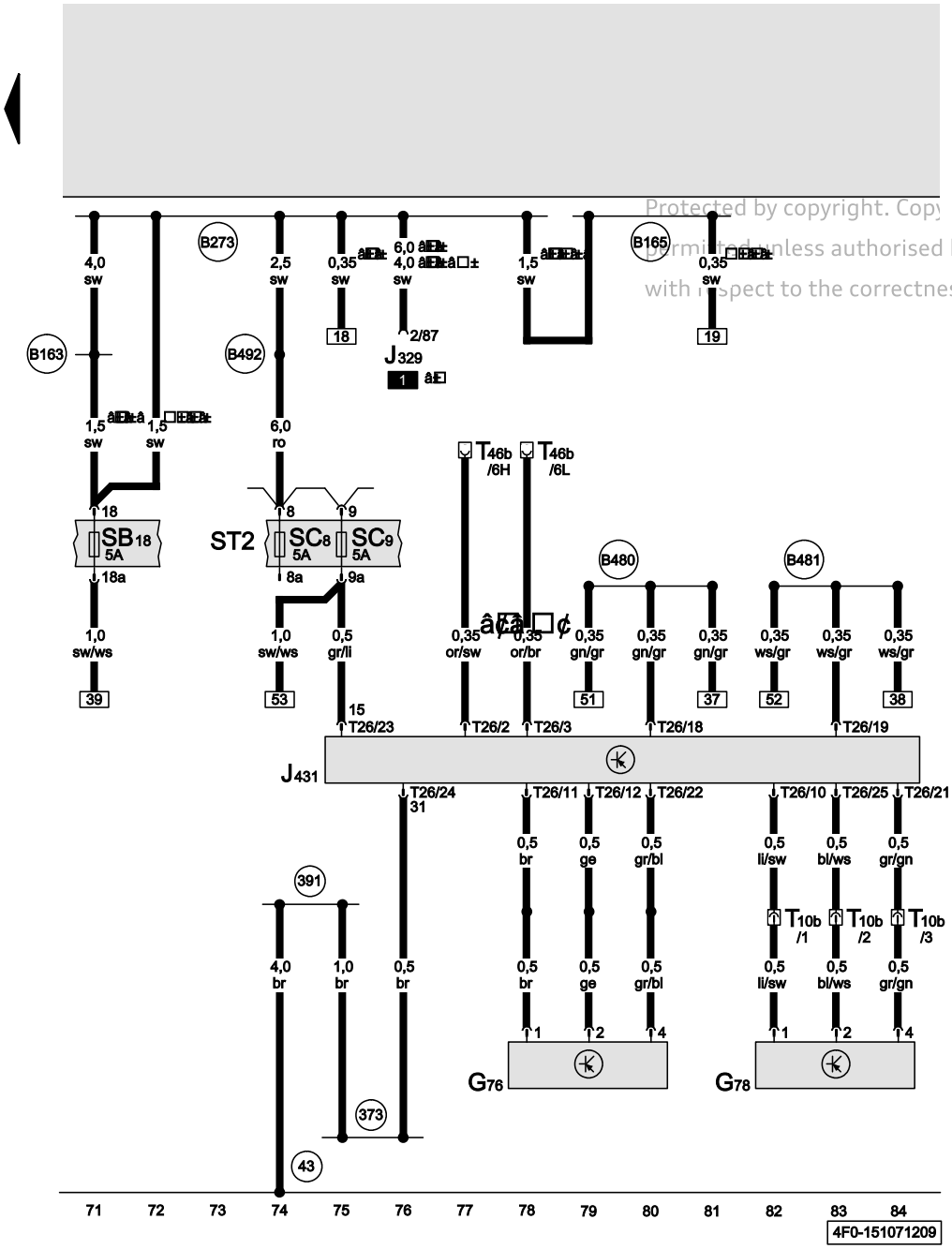
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Onboard supply control unit, front left and right side market bulb, left and right day driving light bulb

J519	Onboard supply control unit
L174	Left day driving light bulb
L175	Right day driving light bulb
M1	Left side light bulb
M3	Right side light bulb
M33	Front left side marker bulb
M34	Front right side marker bulb
T4l	4-pin connector, black, in front right engine compartment
T10	10-pin connector, black, connector A, on onboard power supply control unit
T10b	10-pin connector, blue, coupling station on left of A-pillar
T10f	10-pin connector, white, coupling station on right of A-pillar
T17e	17-pin connector, red, coupling station on left A-pillar
T17i	17-pin connector, red, coupling station on right of A-pillar
T32c	32-pin connector, white, connector C, on onboard supply control unit
82	Earth connection 1, in front left wiring harness
C31	Connection 3, in headlight wiring harness
*	from November 2005
**	models with day driving light
#	up to October 2006
##	from November 2006
###	from June 2007, Canada only

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sw	=	black
ro	=	red
rt	=	red
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Headlight range control, control unit, front and rear left vehicle level sender

G76	Rear left vehicle level sender
G78	Front left vehicle level sender
J329	Terminal 15 voltage supply relay
J431	Headlight range control, control unit
SB18	Fuse 18 on fuse holder B
SC8	Fuse 8 on fuse holder C
SC9	Fuse 9 on fuse holder C
T10b	10-pin connector, blue, coupling station on left of A-pillar
T26	26-pin connector, black, on headlight range control, control unit
T46b	46-pin connector, CAN disconnector right
43	Earth point, lower part of right A-pillar
373	Earth connection 8, in main wiring harness
391	Earth connection 26, in main wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B480	Connection 16 in main wiring harness
B481	Connection 17 in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
•	CAN bus (data wire)
*	9-point relay carrier, behind driver storage compartment
**	up to October 2005
***	from November 2005

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Electric seat adjustment with memory driver seat, electric seat adjustment without memory front passenger seat

from model year 2005

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

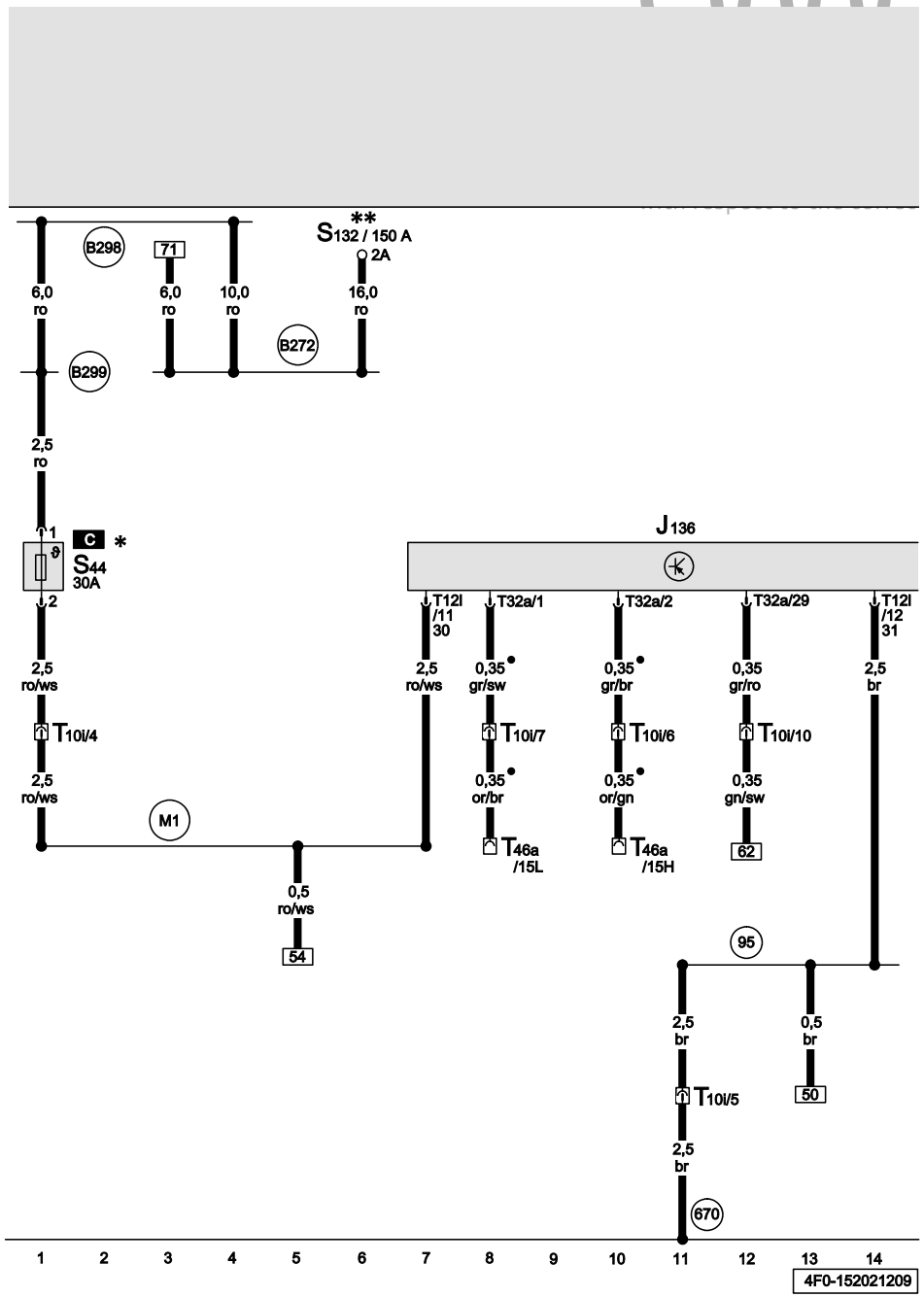
For information concerning

- Fault Finding Programs

⇒ guided fault finding

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Seat and steering column adjustment control unit with memory function, driver seat adjustment thermal fuse 1

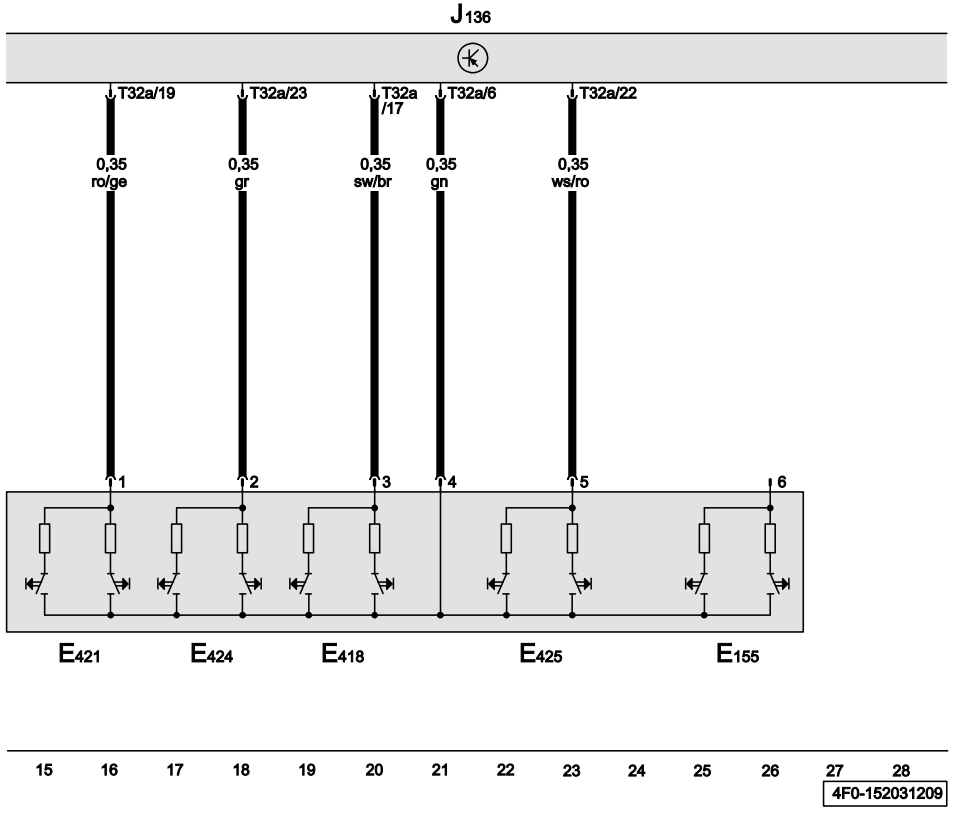
J136	Seat and steering column adjustment control unit with memory function
S44	Driver seat adjustment thermal fuse 1
S132	Fuse 2
T10i	10-pin connector, red, on left seat cross member
T12l	12-pin connector, on seat adjustment with memory control unit
T32a	32-pin connector, on seat adjustment with memory control unit
T46a	46-pin connector, CAN disconnector left
95	Earth connection 1, in seat adjuster wiring harness
670	Earth point 2, left A-pillar
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
M1	Positive connection 1 (30), in seat adjustment wiring harness
•	CAN bus (data wire)
*	fuses on bottom onboard supply control unit
**	Fuse and relay carrier, on right in luggage compartment

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Seat and steering column adjustment control unit with memory, head restraint adjustment button, seat longitudinal adjustment button, rake adjustment button, backrest adjustment button

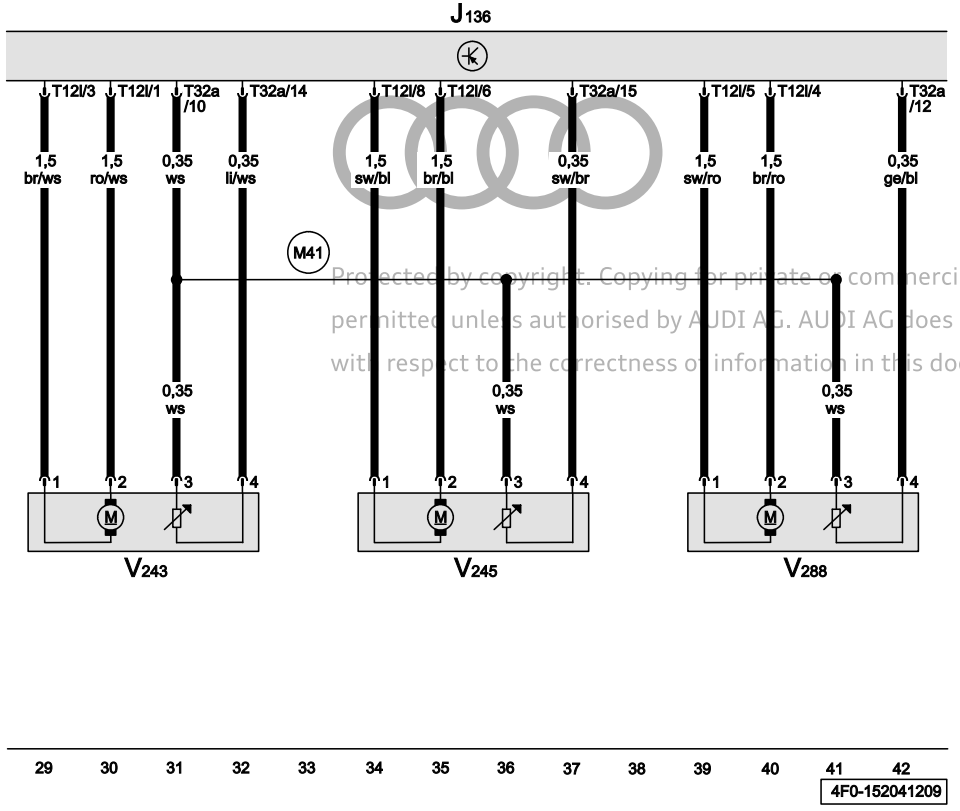
E155 Head restraint adjustment switch
E418 Seat longitudinal adjustment button
E421 Rake adjustment button
E424 Seat height adjustment button
E425 Backrest adjustment button
J136 Seat and steering column adjustment control unit with memory function
T32a 32-pin connector, on seat adjustment with memory control unit



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Seat and steering column adjustment control unit with memory function, driver seat rake adjustment motor, driver seat height adjustment motor, seat longitudinal adjustment motor

J136	Seat and steering column adjustment control unit with memory function
T12l	12-pin connector, on seat adjustment with memory control unit
T32a	32-pin connector, on seat adjustment with memory control unit
V243	Driver seat rake adjustment motor
V245	Driver seat height adjustment motor
V288	Seat longitudinal adjustment motor
M41	Connection 1, in driver seat wiring harness

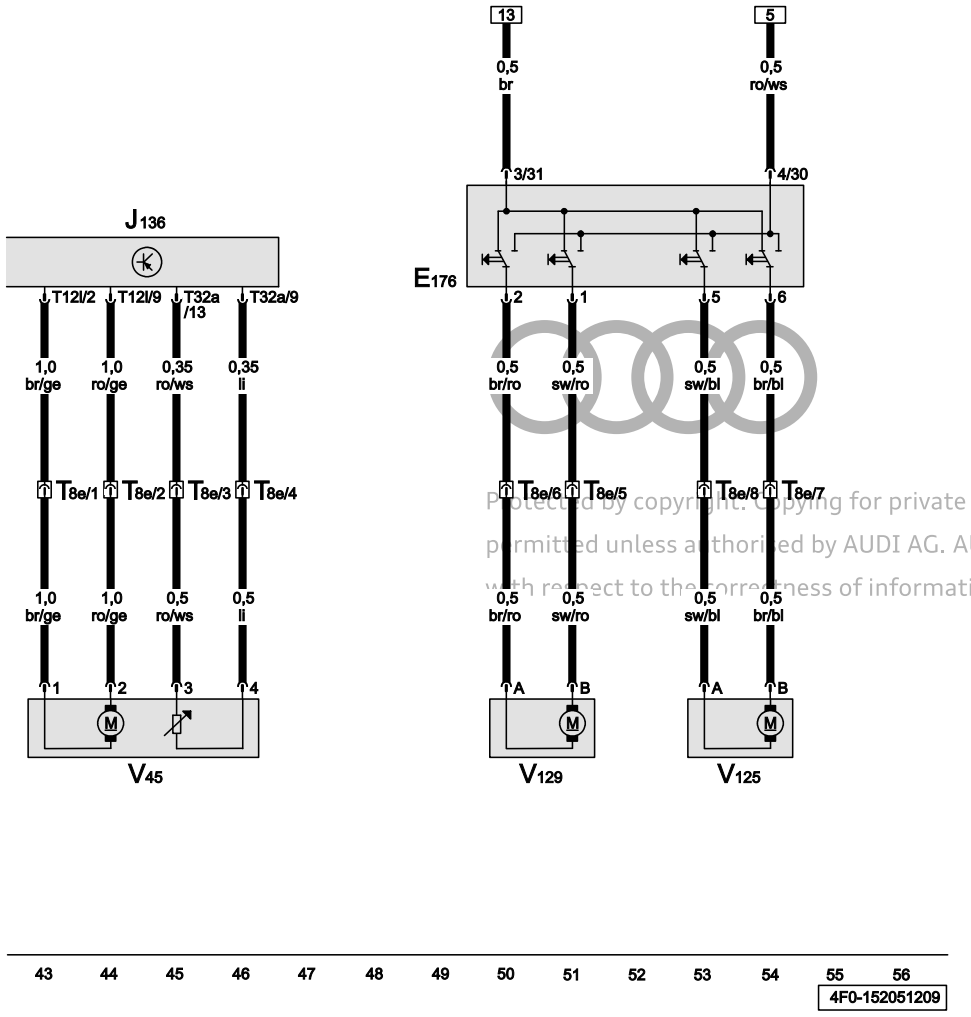


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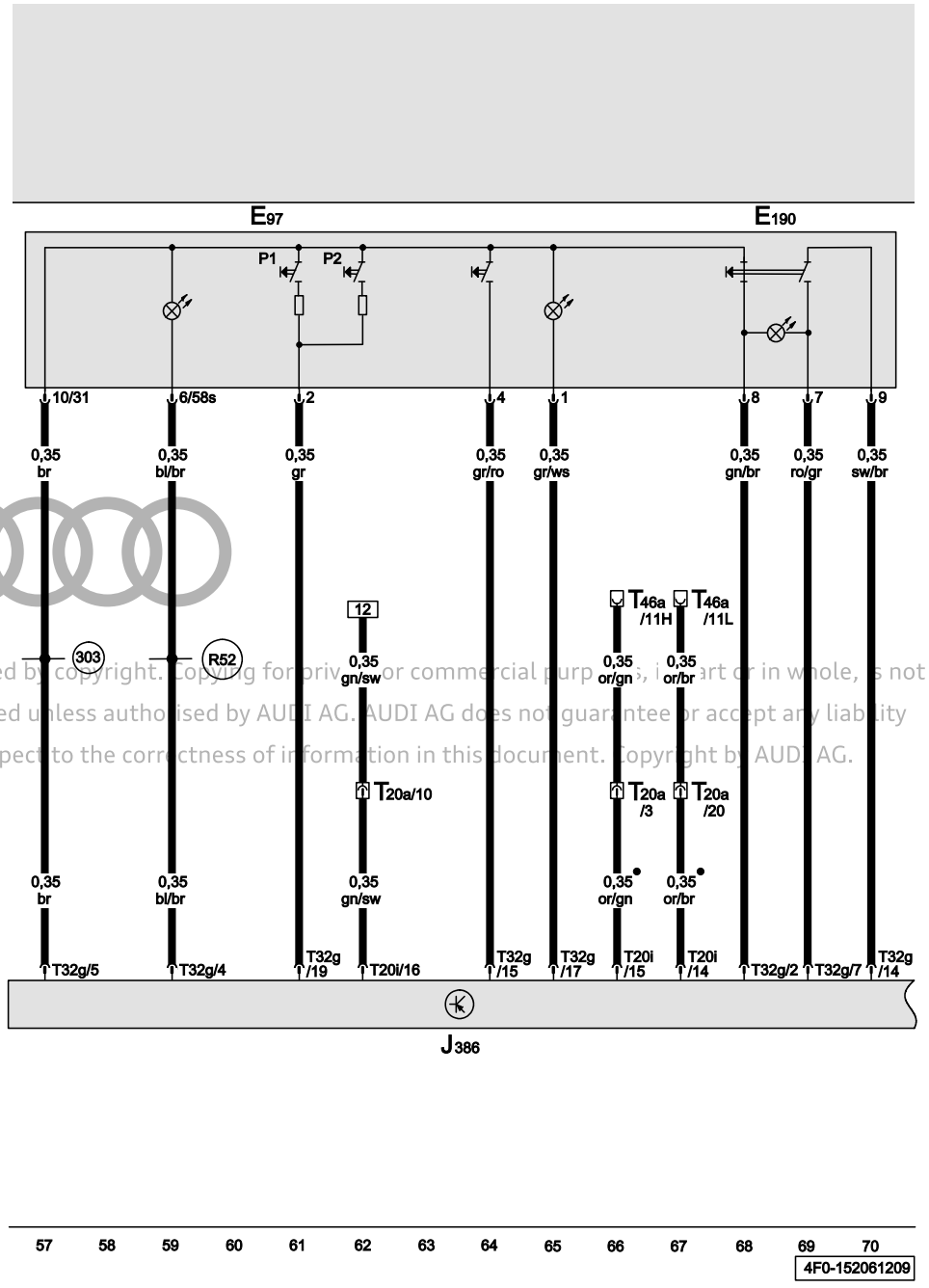
Driver seat lumbar support adjustment switch, driver seat lumbar support longitudinal adjustment motor, driver seat lumbar support height adjustment motor

E176	Driver seat lumbar support adjustment switch
J136	Seat and steering column adjustment control unit with memory function
T8e	8-pin connector, in driver seat
T12l	12-pin connector, on seat adjustment with memory control unit
T32a	32-pin connector, on seat adjustment with memory control unit
V45	Driver seat backrest adjustment motor
V125	Driver seat lumbar support longitudinal adjustment motor
V129	Driver seat lumbar support height adjustment motor



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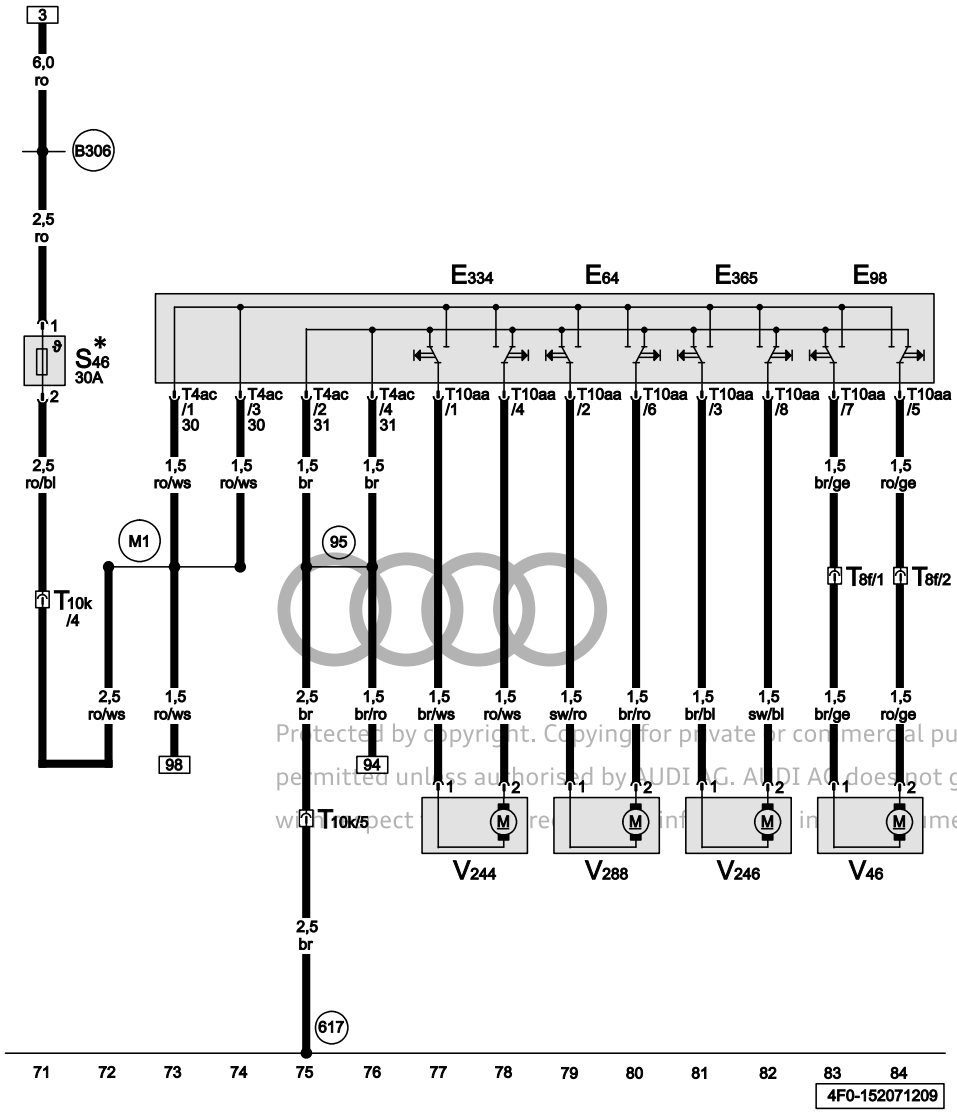
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Driver seat memory operating unit, emergency-off button, driver door control unit

E97	Driver seat memory operating unit
E190	Emergency-off button
J386	Driver door control unit
T20a	20-pin connector, black, left A-pillar
T20i	20-pin connector, black, connector B, on driver door control unit
T32g	32-pin connector, white, connector D, on driver door control unit
T46a	46-pin connector, CAN disconnector left
303	Earth connection 3, in driver door wiring harness
R52	Connection (58s), in driver side door wiring harness
•	CAN bus (data wire)

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Front passenger seat adjustment switch, front passenger seat adjustment motors, front passenger seat adjustment thermal fuse 1



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
S46 Front passenger seat adjustment thermal fuse 1
T4ac 4-pin connector, on seat adjustment switch
T8f 8-pin connector, in front passenger seat
T10k 10-pin connector, red, on right of seat cross member
T10aa 10-pin connector, on seat adjustment switch
V46 Front passenger seat backrest adjustment motor
V244 Front passenger seat rake adjustment motor
V246 Front passenger seat height adjustment motor
V288 Seat longitudinal adjustment motor

95 Earth connection 1, in seat adjuster wiring harness

617 Earth point 2, on lower part of right A-pillar

B306 Positive connection 10 (30), in main wiring harness

M1 Positive connection 1 (30), in seat adjustment wiring harness

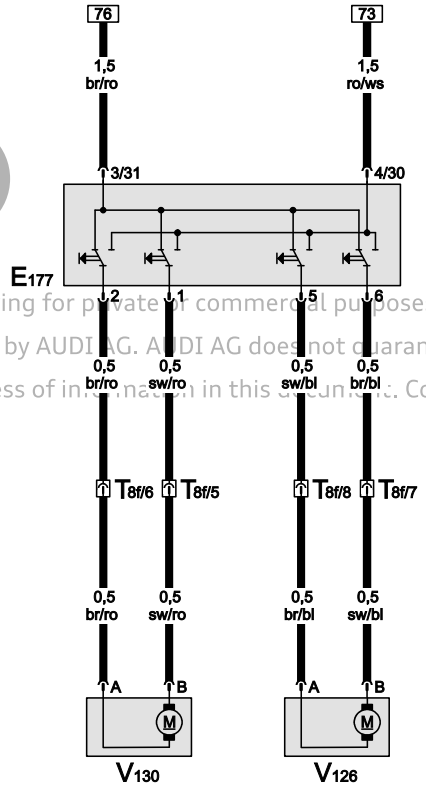
* on coupling station on right A-pillar

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Front passenger seat lumbar support adjustment switch, front passenger seat lumbar support longitudinal adjustment motor, front passenger seat lumbar support height adjustment motor

E177 Front passenger seat lumbar support adjustment switch
T8f 8-pin connector, in front passenger seat
V126 Front passenger seat lumbar support longitudinal adjustment motor
V130 Front passenger seat lumbar support height adjustment motor



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Communication (USA)

⇒ **Multimedia interface (MMI)**
⇒ **Multimedia system operating unit**
⇒ **Satellite radio, radio**
⇒ **Navigation system**
⇒ **Preparation for mobile telephone**
⇒ **Media player**
from model year 2005

Notes:
For information concerning
♦ Position of relays and fuses

♦ Multi-pin connections

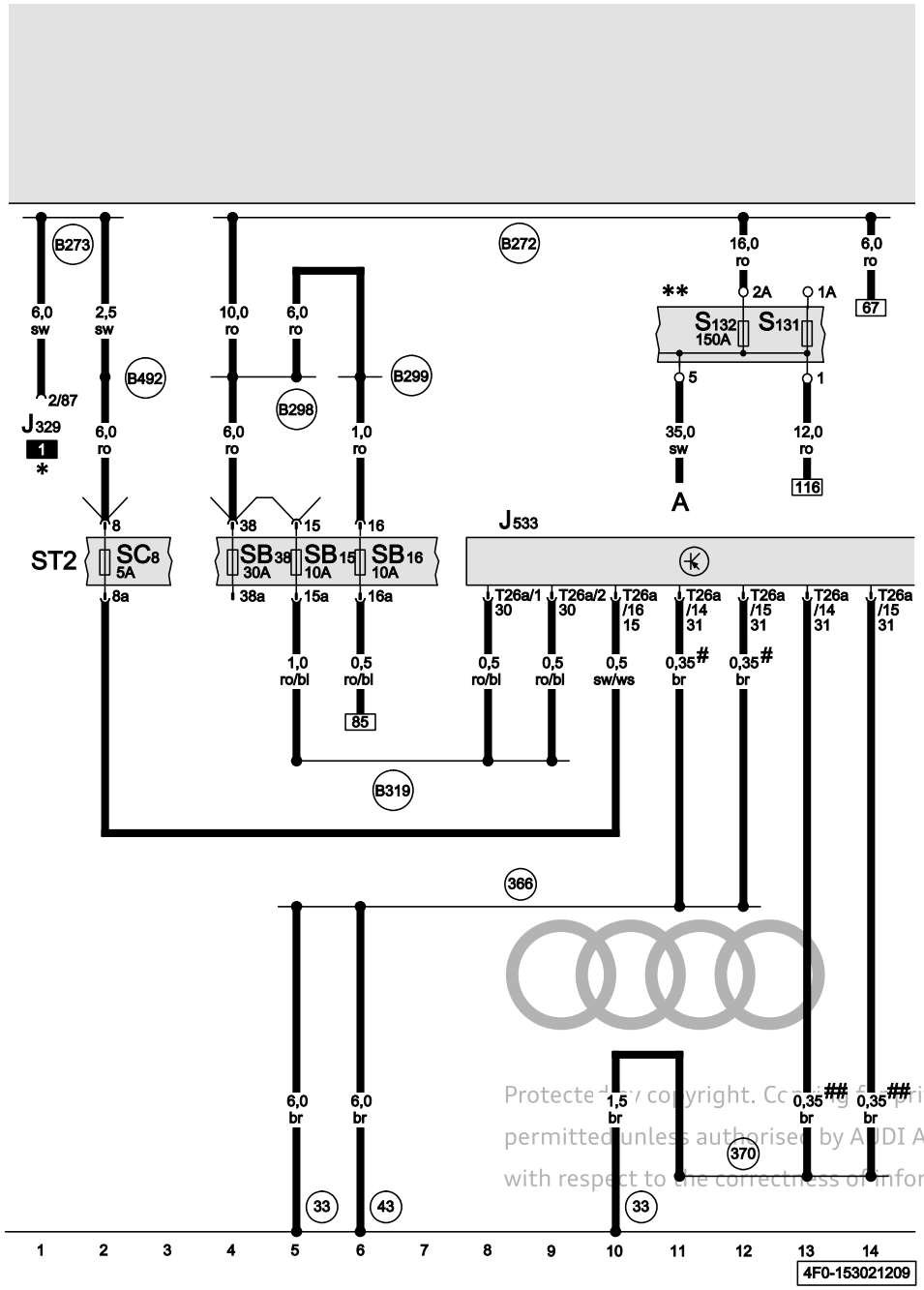
♦ Control units and relays

♦ Earth connections

⇒ List of Fitting Locations!
For information concerning
♦ Fault Finding Programs

⇒ guided fault finding

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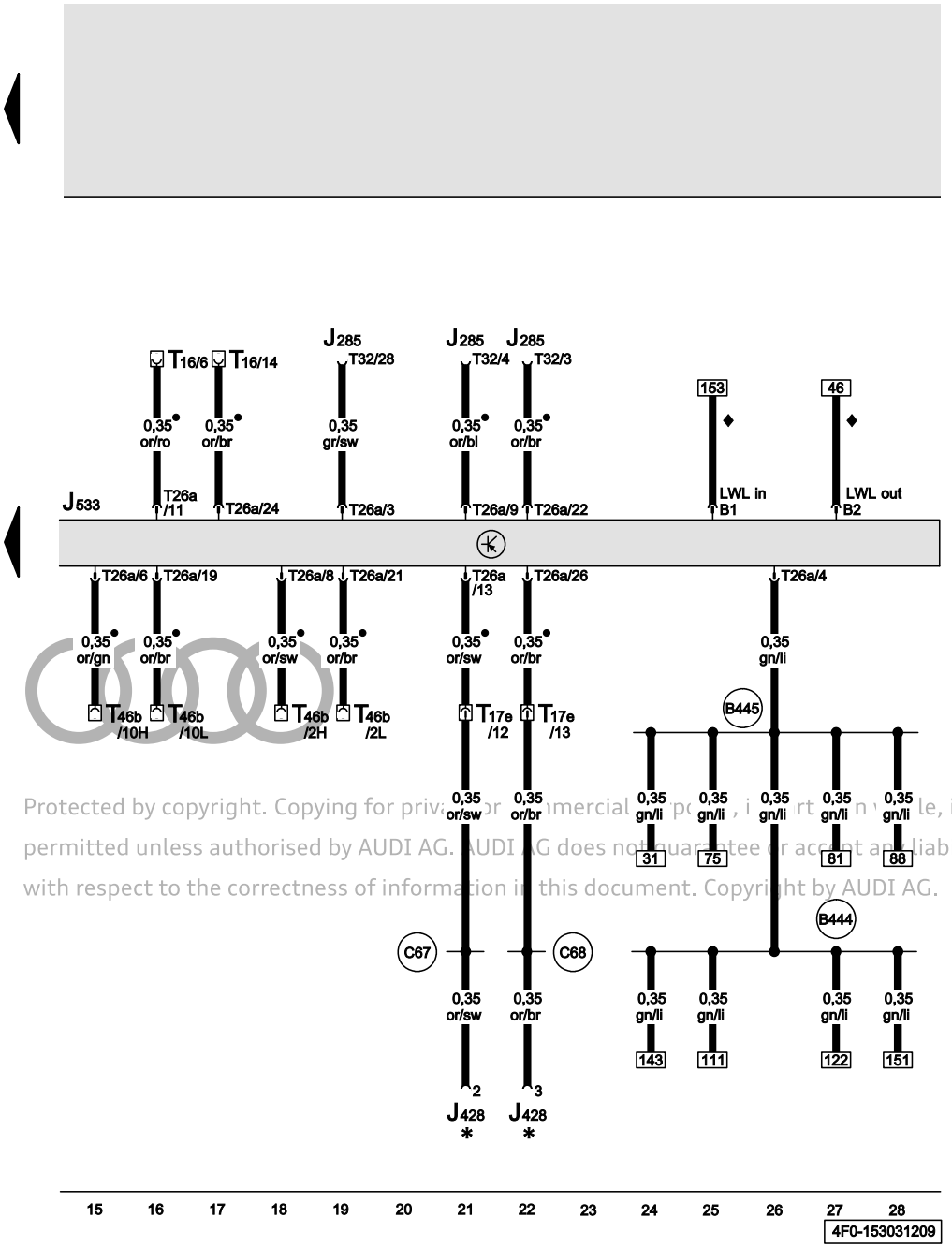


Data bus diagnostic interface, fuses

A	Battery
J329	Terminal 15 voltage supply relay
J533	Data bus diagnostic interface
S131	Fuse 1
S132	Fuse 2
SB15	Fuse 15 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB38	Fuse 38 on fuse holder B
SC8	Fuse 8 on fuse holder C
T26a	26-pin connector, black, on data bus diagnostic interface
33	Earth point, on right behind dash panel
43	Earth point, lower part of right A-pillar
366	Earth connection 1, in main wiring harness
370	Earth connection 5, in main wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B492	Positive connection 3 (15), in interior wiring harness
*	Relay and fuse carrier right in luggage compartment
**	9-point relay carrier, behind driver storage compartment
#	up to model year 2005
##	from model year 2006

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Data bus diagnostic interface

J285 Control unit in dash panel insert
J428 Adaptive cruise control unit
J533 Data bus diagnostic interface
T16 16-pin connector, diagnostic connector
T17e 17-pin connector, red, coupling station on left A-pillar
T26a 26-pin connector, black, on data bus diagnostic interface
T32 32-pin connector, grey, on dash panel insert
T46b 46-pin connector, CAN disconnector right

B444 Connection 1 (diagnosis), in main wiring harness

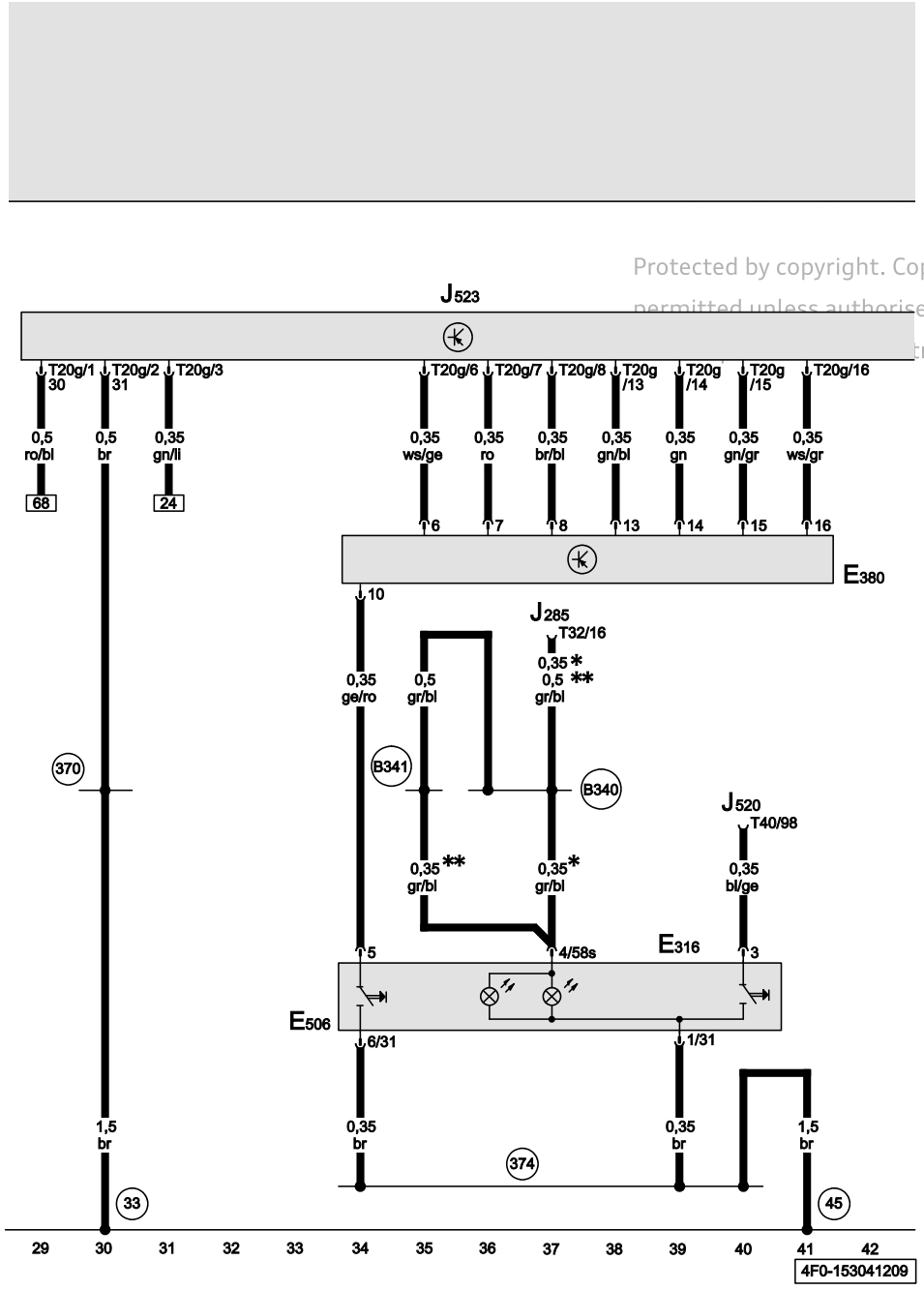
B445 Connection 2 (diagnosis), in main wiring harness

C67 Connection (CAN bus, high), in headlight wiring harness

C68 Connection (CAN bus, low), in headlight wiring harness

• CAN bus (data wire)
* models with adaptive cruise
♦ Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

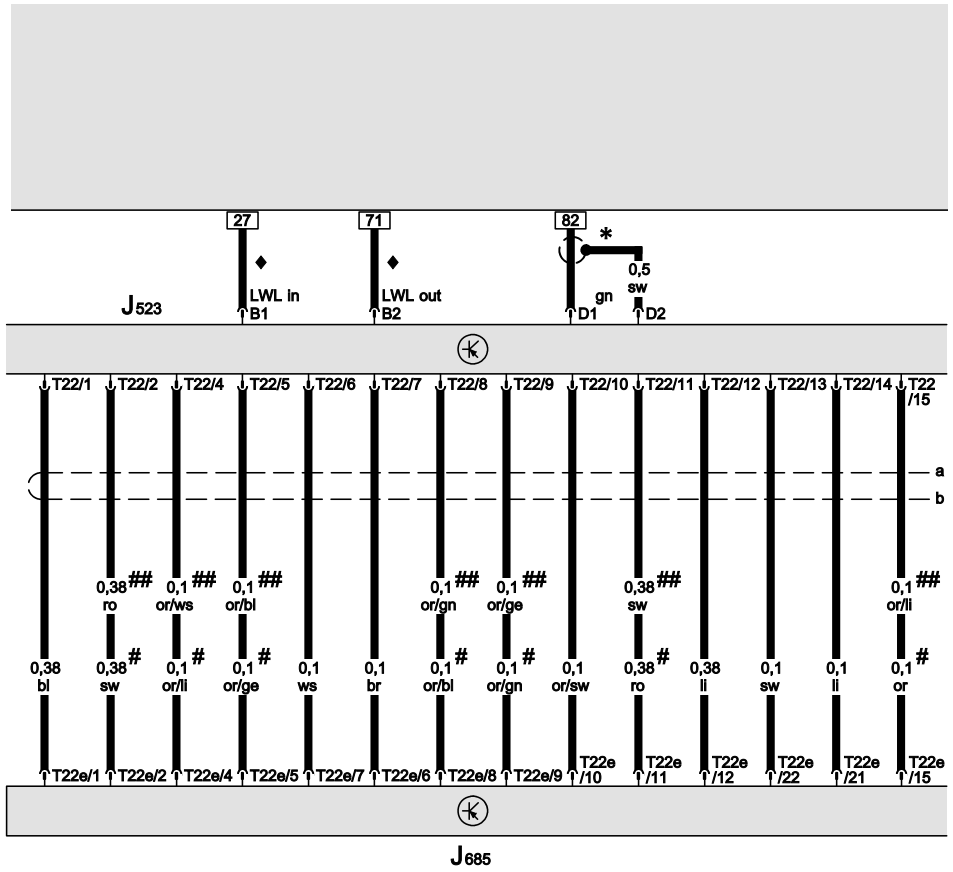
Front information display and operating unit control unit, multimedia system operating unit, display unit button



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E316	Glove compartment button
E380	Multimedia system operating unit
E506	Display unit button
J285	Control unit in dash panel insert
J520	Onboard supply control unit 2
J523	Front information display and operating unit control unit
T20g	20-pin connector, black, connector A, on front information display and operating unit control unit
T32	32-pin connector, grey, on dash panel insert
T40	40-pin connector, black, on onboard supply control unit 2
33	Earth point, on right behind dash panel
45	Earth point, centre behind dash panel
370	Earth connection 5, in main wiring harness
374	Earth connection 9, in main wiring harness
B340	Connection 1 (58s), in main wiring harness
B341	Connection 2 (58s), in main wiring harness
*	up to October 2005
**	from November 2005

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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit
*	models with DVD player
#	up to October 2005
##	from November 2005
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

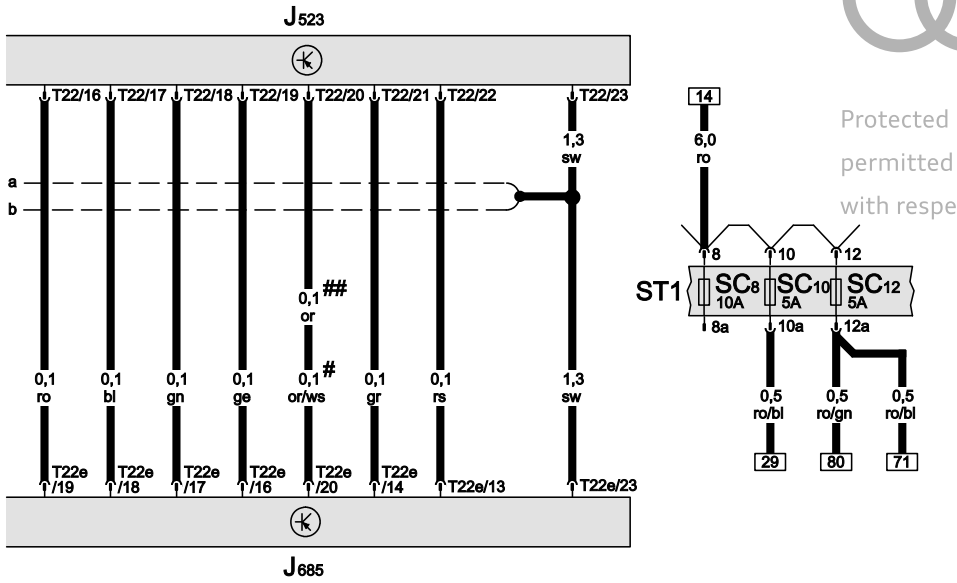
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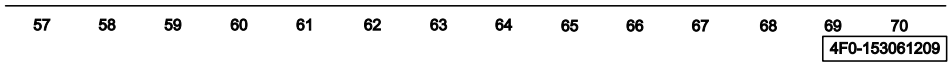
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Front information display and operating unit control unit, display unit for front information display and operating unit control unit

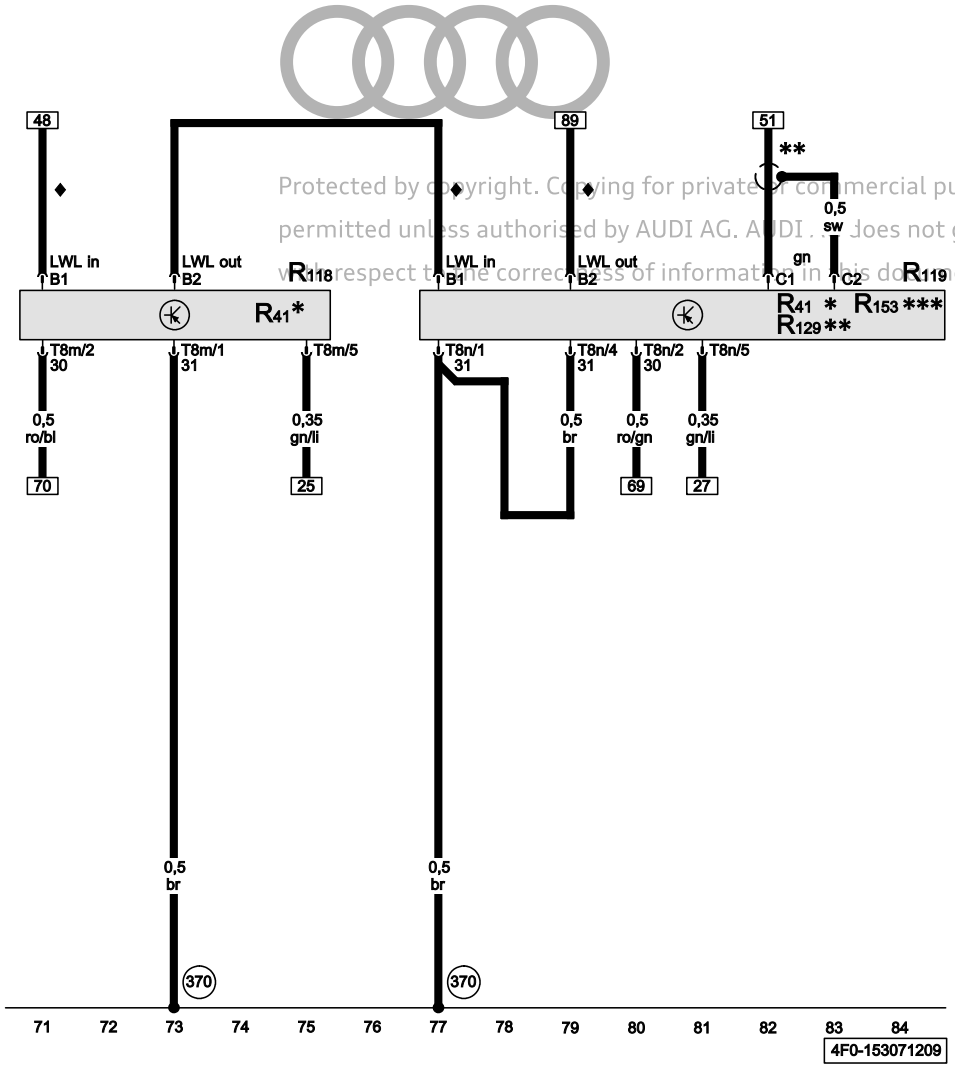
J523	Front information display and operating unit control unit
J685	Display unit for front information display and operating unit control unit
SC8	Fuse 8 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC12	Fuse 12 on fuse holder C
T22	22-pin connector, connector C, on front information display and operating unit control unit
T22e	22-pin connector, on display unit for front information display and operating unit control unit
#	up to October 2005
##	from November 2005

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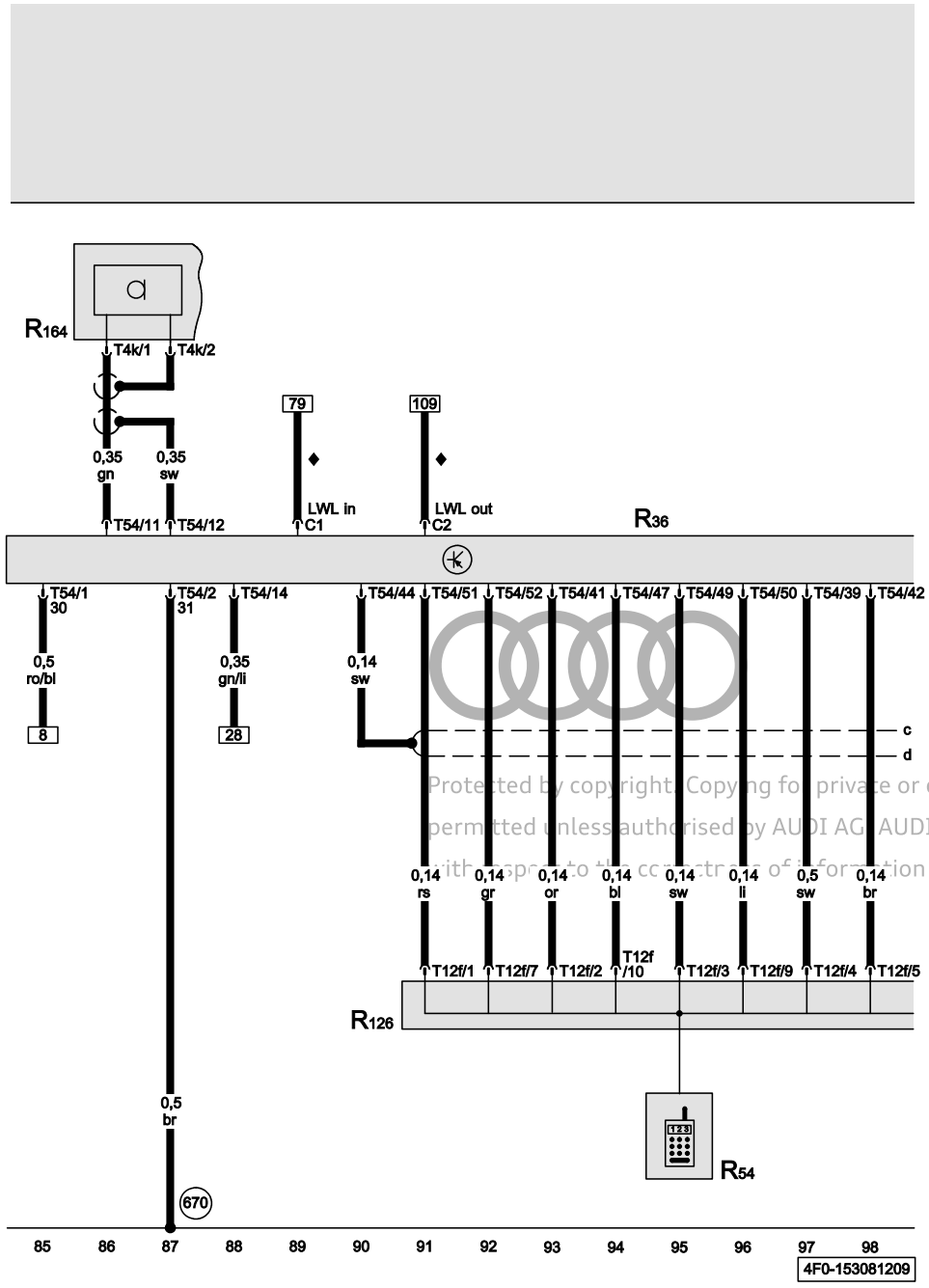
Media player in position 1 and 2

R41	CD changer
R118	Media player in position 1
R119	Media player in position 2
R129	Video recorder and DVD player
R153	MiniDisc player
T8m	8-pin connector, black, on media player in position 1
T8n	8-pin connector, black, on media player in position 2
370	Earth connection 5, in main wiring harness
*	models with CD changer
**	models with DVD player
***	models with MiniDisc player
♦	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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Telephone transmitter and receiver unit, telephone bracket, mobile telephone

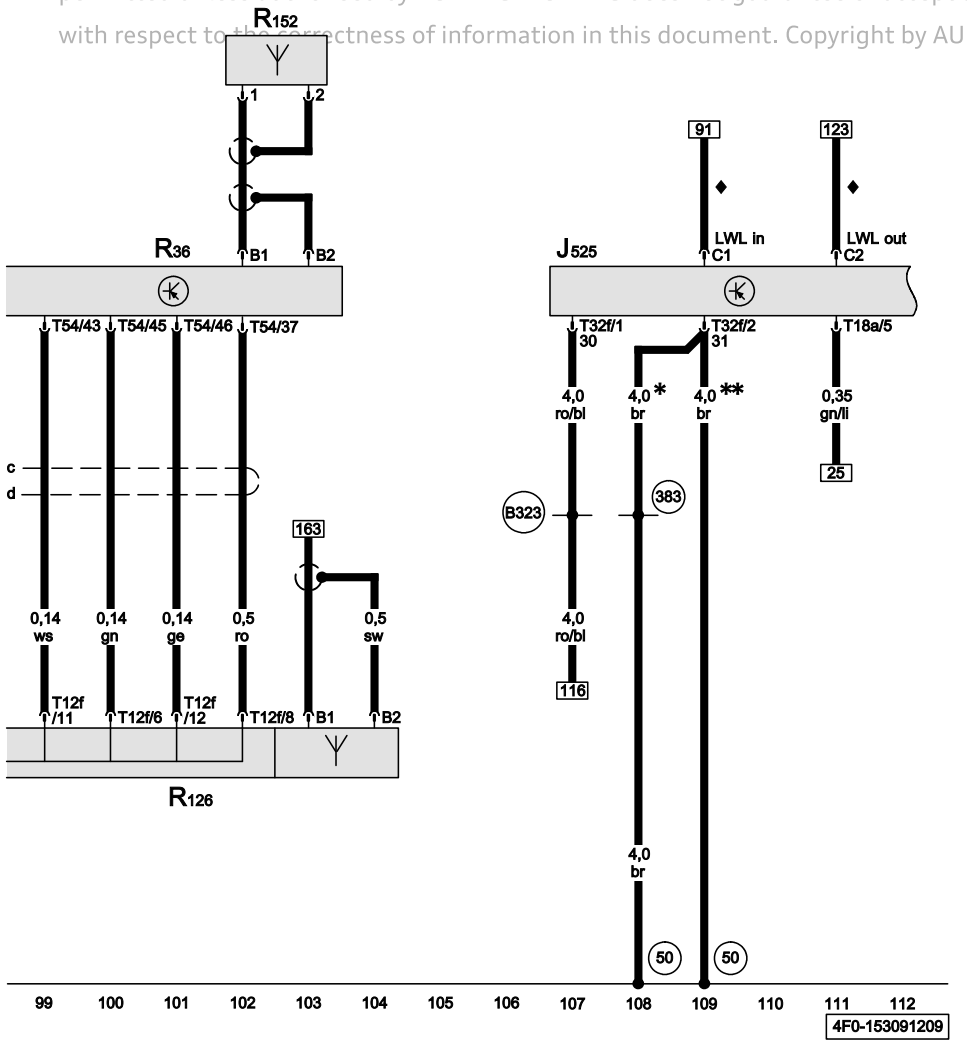
R36	Telephone transmitter and receiver unit
R54	Mobile telephone
R126	Telephone bracket
R164	Microphone unit in front roof module
T4k	4-pin connector, black, microphone connection roof module
T12f	12-pin connector, on mobile telephone
T54	54-pin connector, black, on telephone transmitter and receiver unit
670	Earth point 2, left A-pillar
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)



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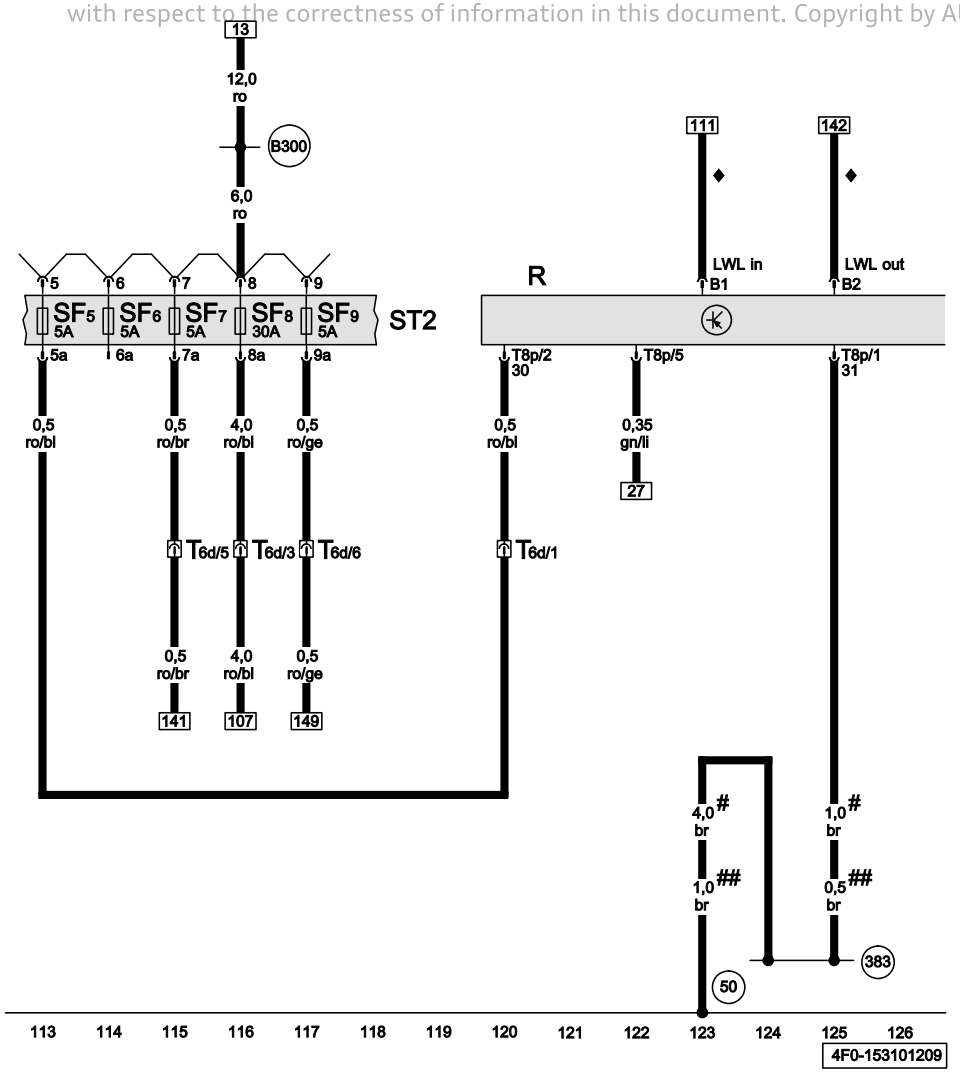


Telephone transmitter and receiver unit, digital sound package control unit, aerial for Bluetooth

J525	Digital sound package control unit
R36	Telephone transmitter and receiver unit
R126	Telephone bracket
R152	Aerial for Bluetooth
T12f	12-pin connector, on mobile telephone
T18a	18-pin connector, black, connector C, on digital sound package control unit
T32f	32-pin connector, black, connector A, on digital sound package control unit
T54	54-pin connector, black, on telephone transmitter and receiver unit
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	up to October 2005
**	from November 2005
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

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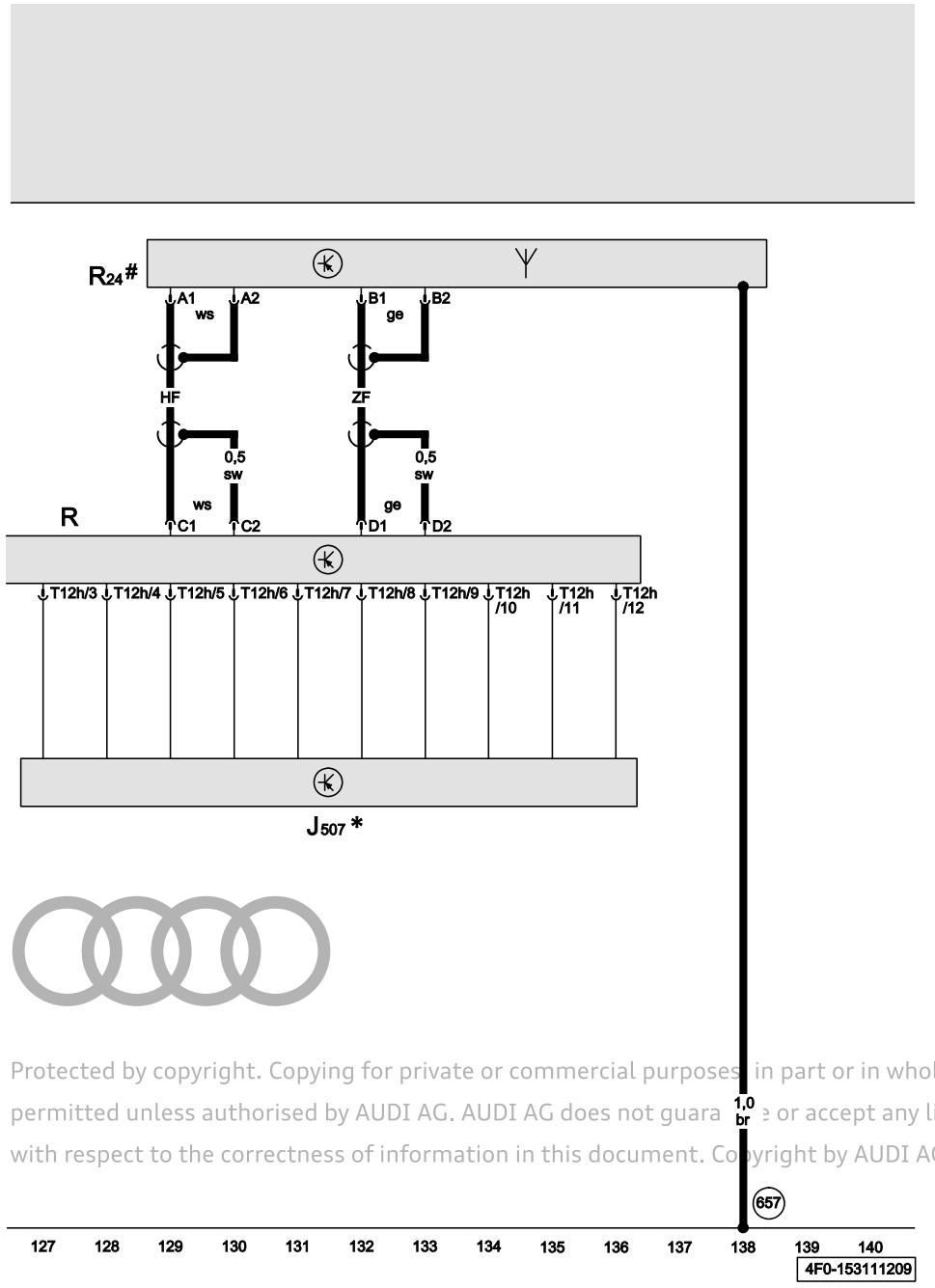
Radio, fuses

R	Radio
SF5	Fuse 5 on fuse holder F
SF6	Fuse 6 on fuse holder F
SF7	Fuse 7 on fuse holder F
SF8	Fuse 8 on fuse holder F
SF9	Fuse 9 on fuse holder F
T6d	6-pin connector, black, on left in luggage compartment
T8p	8-pin connector, black, on radio (K-box)
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
#	up to October 2005
##	from November 2005

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gn	=	green
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Radio, language input control unit, aerial amplifier

J507	Language input control unit
R	Radio
R24	Aerial amplifier
T12h	12-pin connector, on radio (K-box)
657	Earth point 1, on left near rear window
*	models with voice control
#	on rear window upper left

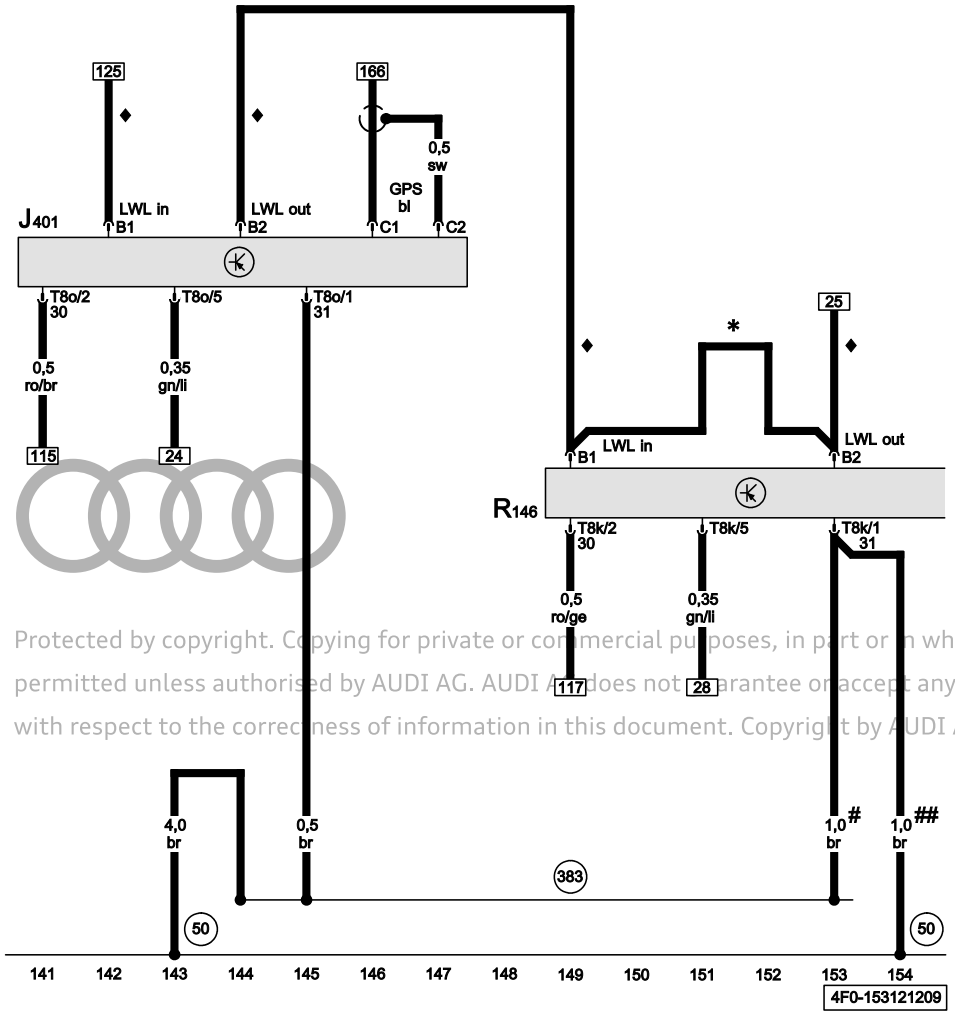


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Navigation system with CD drive control unit, satellite radio

J401	Navigation system with CD drive control unit
R146	Satellite radio
T8k	8-pin connector, black, on satellite radio
T8o	8-pin connector, black, on navigation system with CD drive control unit
50	Earth point, on left in luggage compartment
383	Earth connection 18, in main wiring harness
*	Models without satellite radio are bridged
#	up to October 2005
##	from November 2005
◆	Fibre optic conductor, ⇒ Current Flow Diagram infotainment data bus (Most Ring)

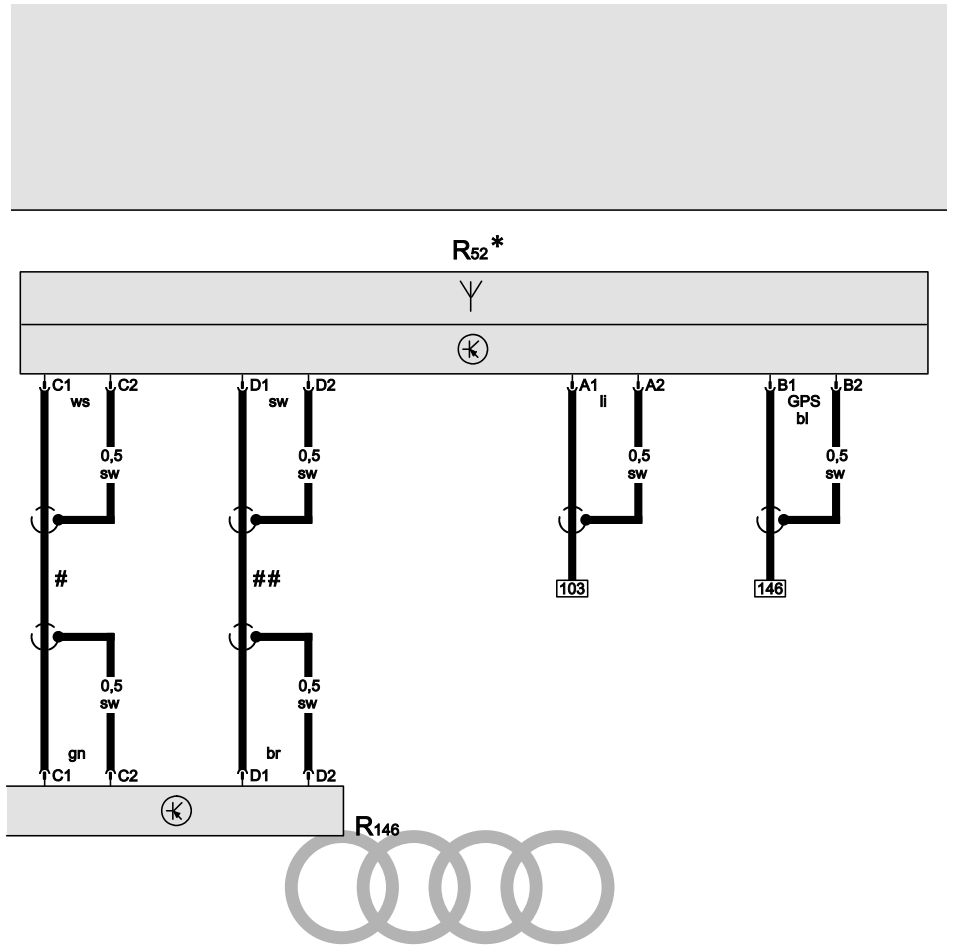


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Satellite radio, aerial for radio, telephone and navigation system

R52	Radio, telephone and navigation system aerial
R146	Satellite radio
*	roof aerial
#	Satellite aerial
##	terrestrial aerial



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1 Earth points

1.1 Overview of earth points in front part of vehicle

1 - Earth point, on right in engine compartment -13-
- ❑ Location ⇒ page 4

2 - Earth point 2, on right in engine compartment -614-
- ❑ Location ⇒ page 6

3 - Earth point 2, on bulkhead -646-
- ❑ Location ⇒ page 7

4 - Earth point 1, on bulkhead -645-
- ❑ Location ⇒ page 6

5 - Earth point, on left in plenum chamber -607-
- ❑ Location ⇒ page 5

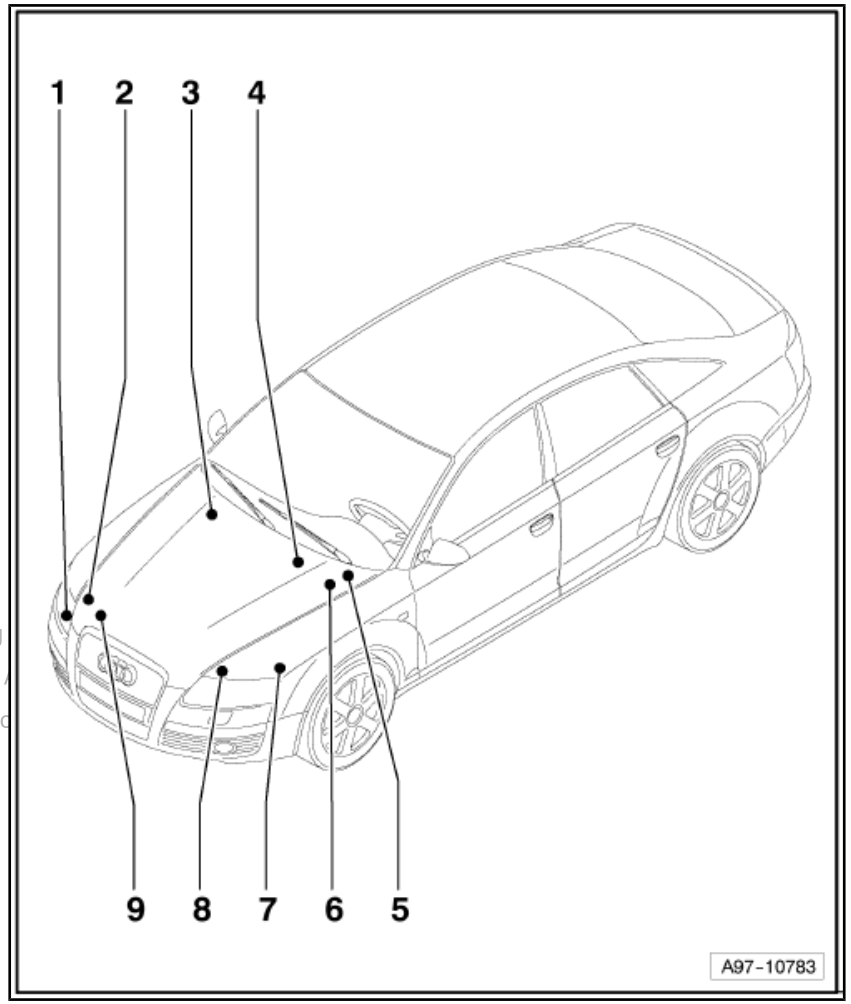
6 - Earth point 3, on bulkhead -647-
- ❑ Location ⇒ page 7

7 - Earth point 1, on front of left longitudinal member -671-
- ❑ Location ⇒ page 8

8 - Earth point, on left in engine compartment -12-
- ❑ Location ⇒ page 4

9 - Earth point, on engine block -18-
- ❑ Location ⇒ page 5

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1.2 Overview of earth points in interior of vehicle

1 - Earth point, right A-pillar -43-

- ❑ Location ⇒ page 9

2 - Earth point, on right behind dash panel -33-

- ❑ Location ⇒ page 10

3 - Earth point 2, on lower part of right A-pillar -617-

- ❑ Location ⇒ page 9

4 - Earth point, of right B-pillar -78-

- ❑ Location ⇒ page 10

5 - Earth point, rear centre roof frame -690-

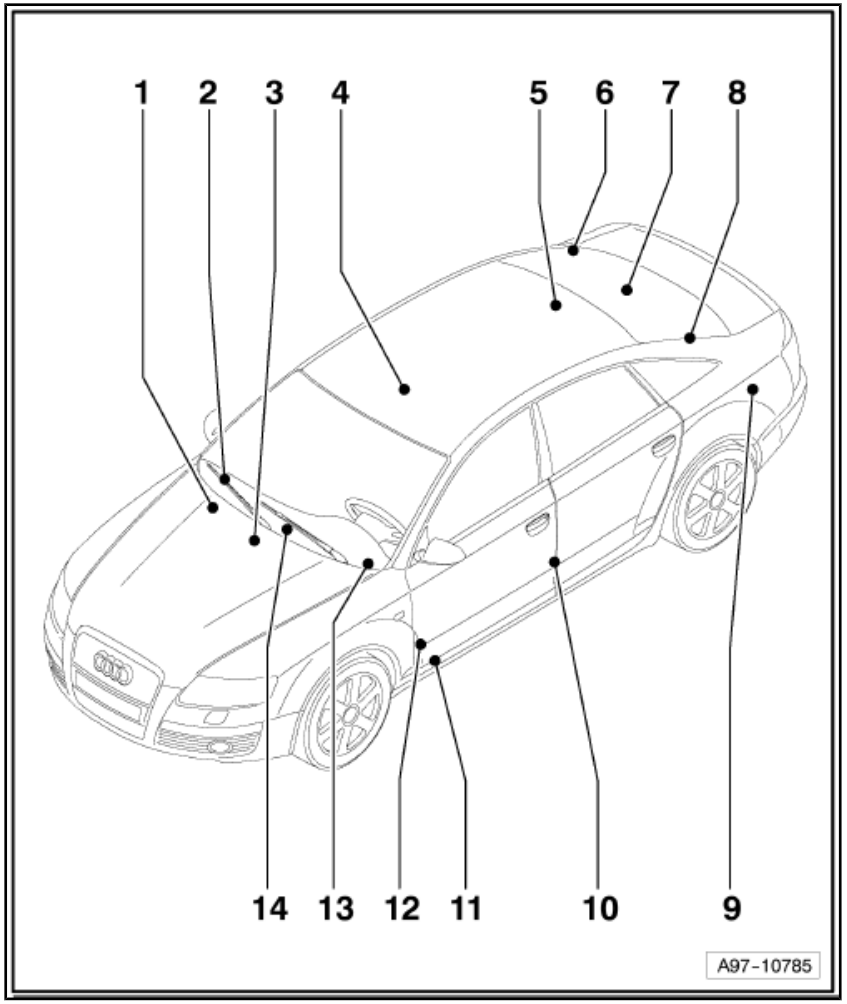
- ❑ Location ⇒ page 11

6 - Earth point 1, on right near rear window -659-

- ❑ Location ⇒ page 11

7 - Earth point, on right in luggage compartment -51-

- ❑ Location ⇒ page 12



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8 - Earth point 1, on left near rear window -657-

- Location ⇒ page 12

9 - Earth point, on left in luggage compartment -50-

- Location ⇒ page 13

10 - Earth point left B-pillar -77-

- Location ⇒ page 13

11 - Earth point 2, left A-pillar -670-

- Location ⇒ page 14

12 - Earth point, left A-pillar -44-

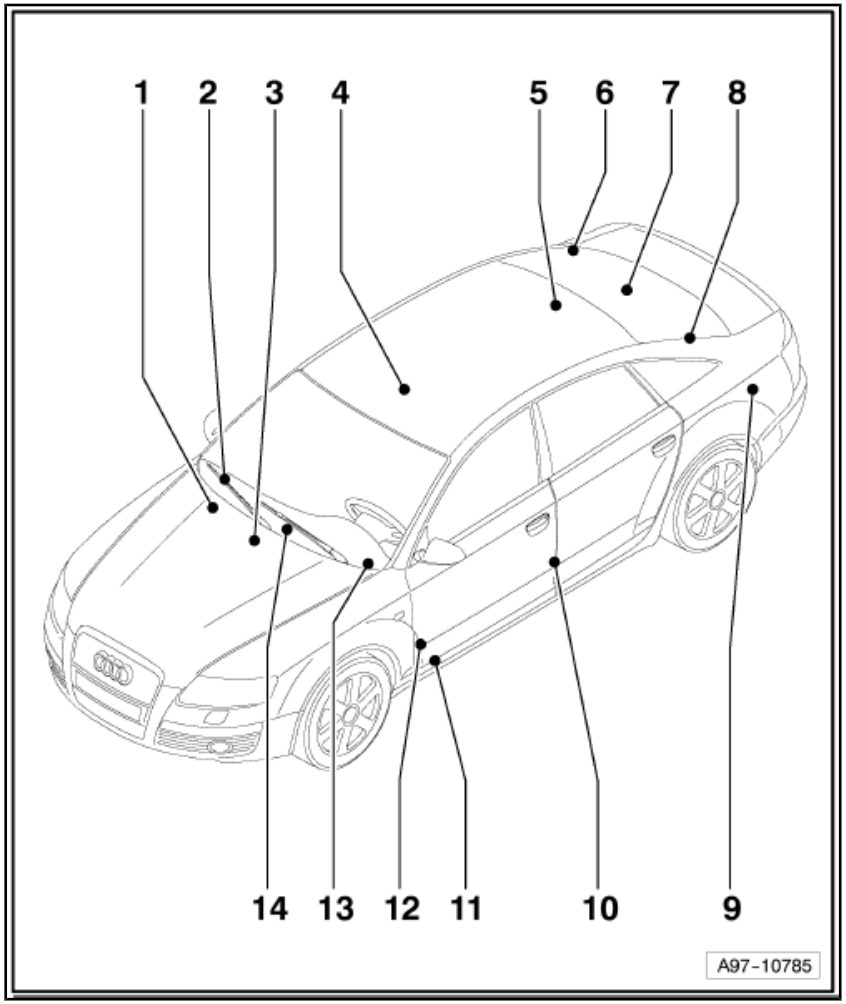
- Location ⇒ page 14

13 - Earth point, on left behind dash panel -32-

- Location ⇒ page 15

14 - Earth point, centre behind dash panel -45-

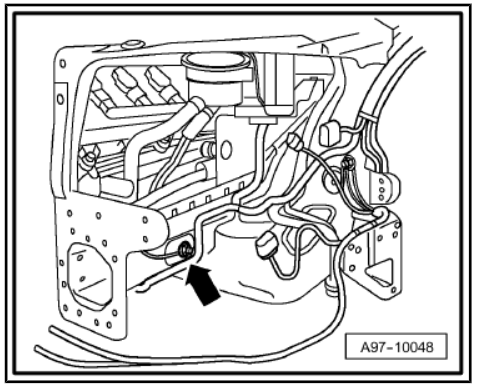
- Location ⇒ page 15



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1.3 Earth point, in engine compartment

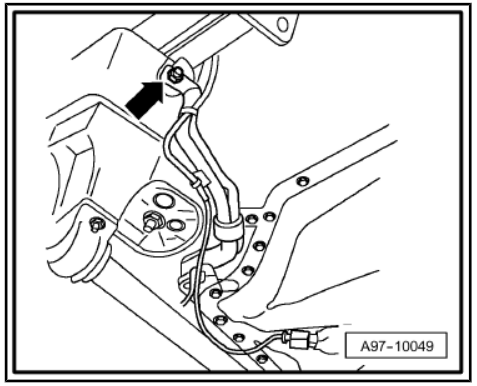
12 - Earth point, in engine compartment, left -arrow-
on front of left longitudinal member before front axle



Torque: 9 Nm

13 - Earth point, in engine compartment, right -arrow-
on front of right longitudinal member before front axle

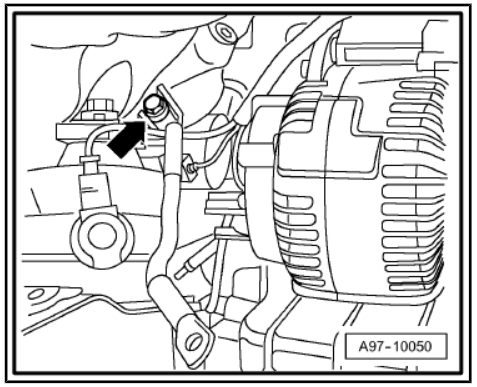
Torque: 10 Nm



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18 - Earth point on engine block -arrow-

on engine block on front right, near alternator



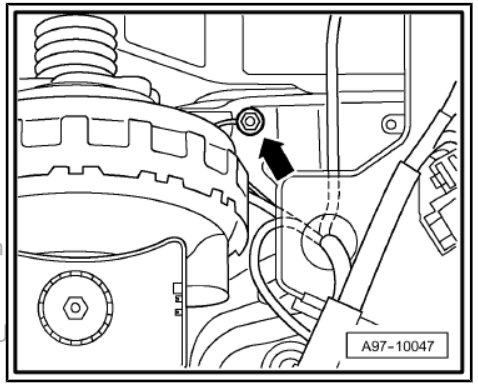
Torque: 10 Nm

607 - Earth point, on left in plenum chamber -arrow-

on left in plenum chamber, next to brake servo, left-hand drive

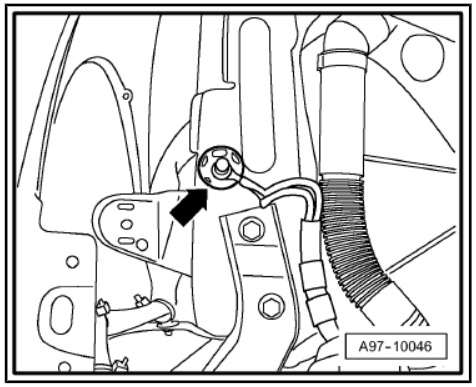
on right in plenum chamber, next to brake servo, right-hand drive

Torque: 9 Nm



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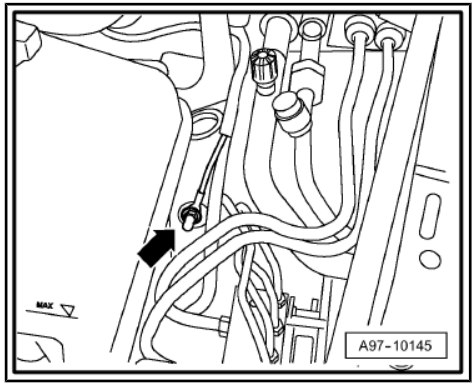
614 - Earth point 2, on right in engine compartment -arrow-
on front of right longitudinal member



Torque: 9 Nm

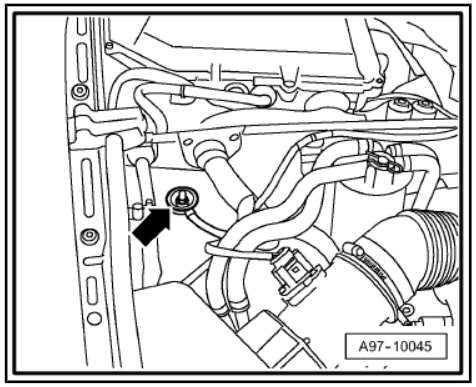
645 - Earth point 1, on bulkhead -arrow-
on left in bulkhead

Torque: 9 Nm



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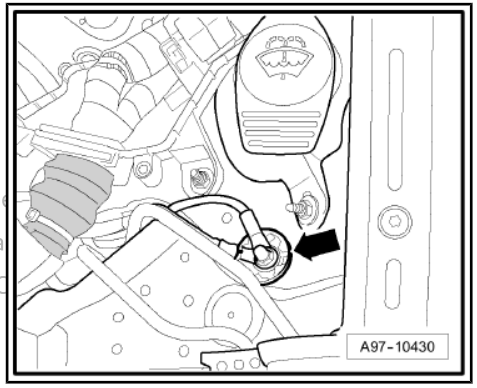
646 - Earth point 2, on bulkhead -arrow-
on right in bulkhead



Torque: 9 Nm

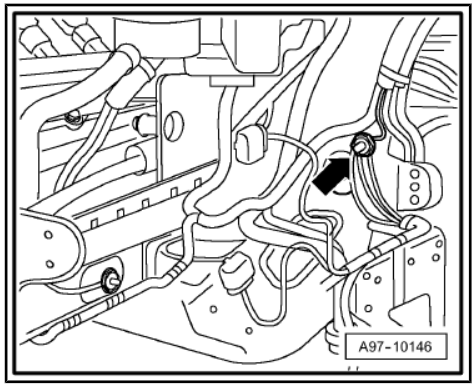
647 - Earth point 3, on bulkhead -arrow-
on left in bulkhead

Torque: 9 Nm



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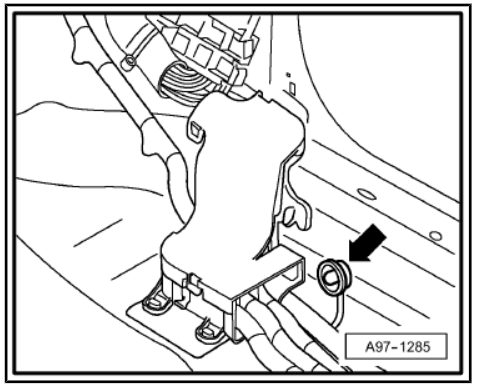
671 - Earth point 1, on front of left longitudinal member -arrow-
on front of left longitudinal member, near wheel housing
Torque: 9 Nm



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1.4 Earth points, in interior

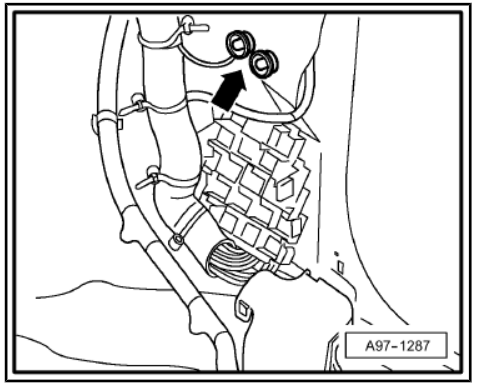
617 - Earth point, lower part of right A-pillar -arrow-
lower part of right A-pillar



Torque: 9 Nm

43 - Earth point, right A-pillar -arrow-
on right A-pillar above coupling station

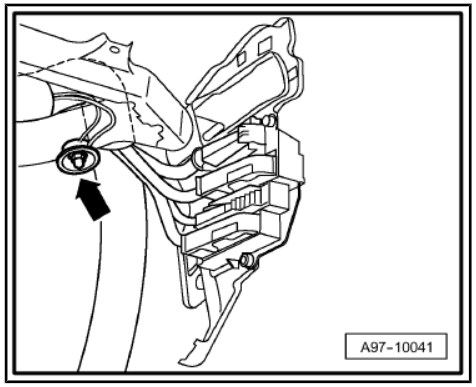
Torque: 9 Nm



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33 - Earth point behind dash panel on right -arrow-

behind the dash panel, upper right



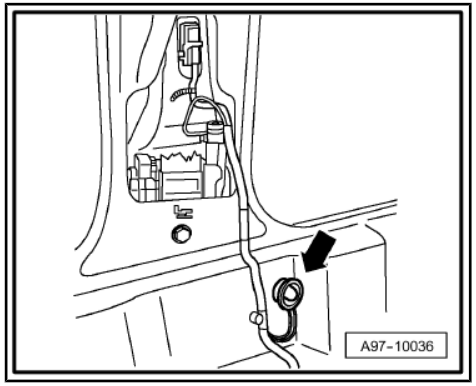
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Torque: 9 Nm

78 - Earth point, of right B-pillar -arrow-

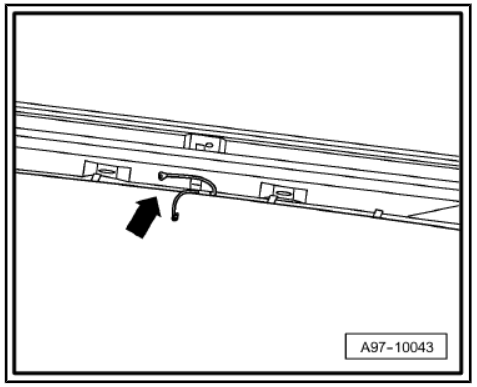
lower part of right B-pillar

Torque: 9 Nm



690 - Earth point, rear centre roof frame -arrow-

on centre rear roof, near rear window

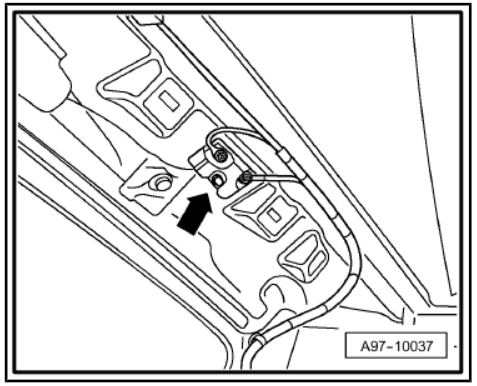


Torque: 9 Nm

659 - Earth point 1, on right near rear window (saloon models only) -arrow-

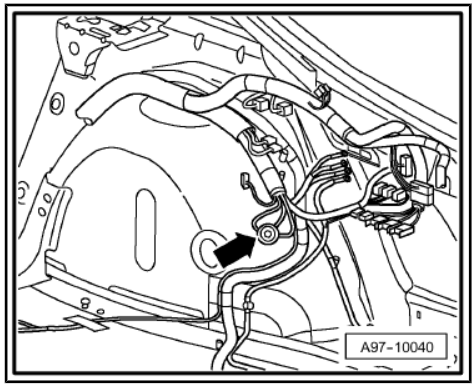
on right rear window on suppression filter

Torque: 9 Nm



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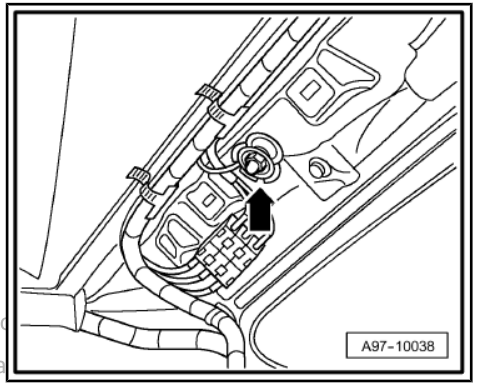
51 - Earth point, on right in luggage compartment -arrow-
in luggage compartment, rear right, on wheel housing



Torque: 9 Nm

657 - Earth point 1, on left near rear window -arrow-
on rear window right, near coupling roof aerials

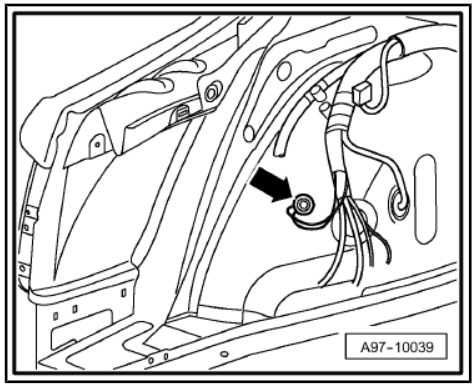
Torque: 9 Nm



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50 - Earth point, on left in luggage compartment (saloon models only) -arrow-

in luggage compartment, rear left, on wheel housing



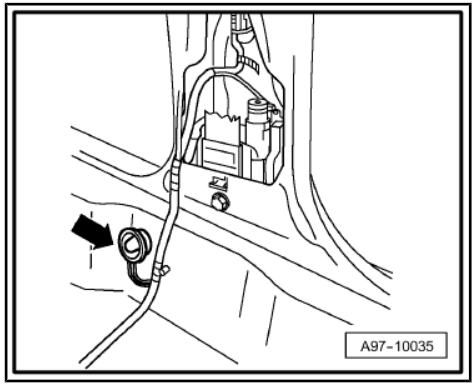
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Torque: 9 Nm

77 - Earth point, of left B-pillar -arrow-

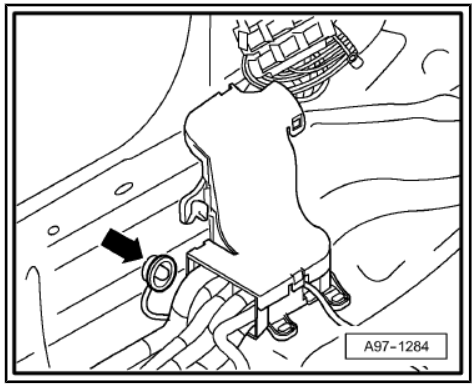
lower part of left B-pillar

Torque: 9 Nm



670 - Earth point 2, left A-pillar -arrow-

Lower part of left A-pillar

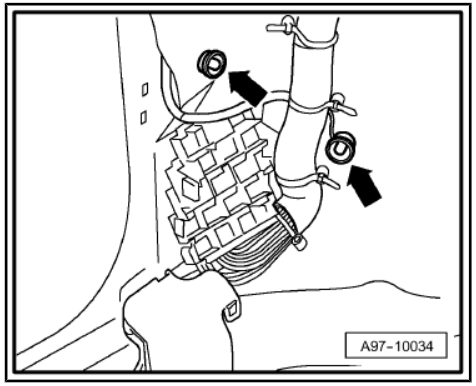


Torque: 9 Nm

44 - Earth point, left A-pillar -arrow-

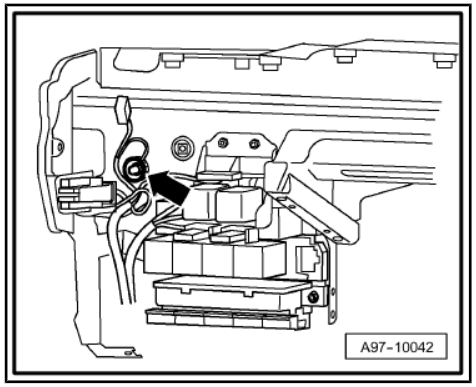
on left A-pillar above coupling station

Torque: 9 Nm



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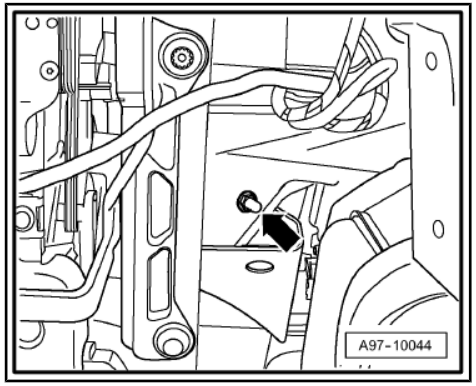
32 - Earth point behind dash panel on left -arrow-
behind the dash panel, upper left, next to 9-point relay carrier



Torque: 9 Nm

45 - Earth point, centre behind dash panel -arrow-
behind the dash panel right, next to steering column

Torque: 9 Nm



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1 Fuses

1.1 Overview of fuses

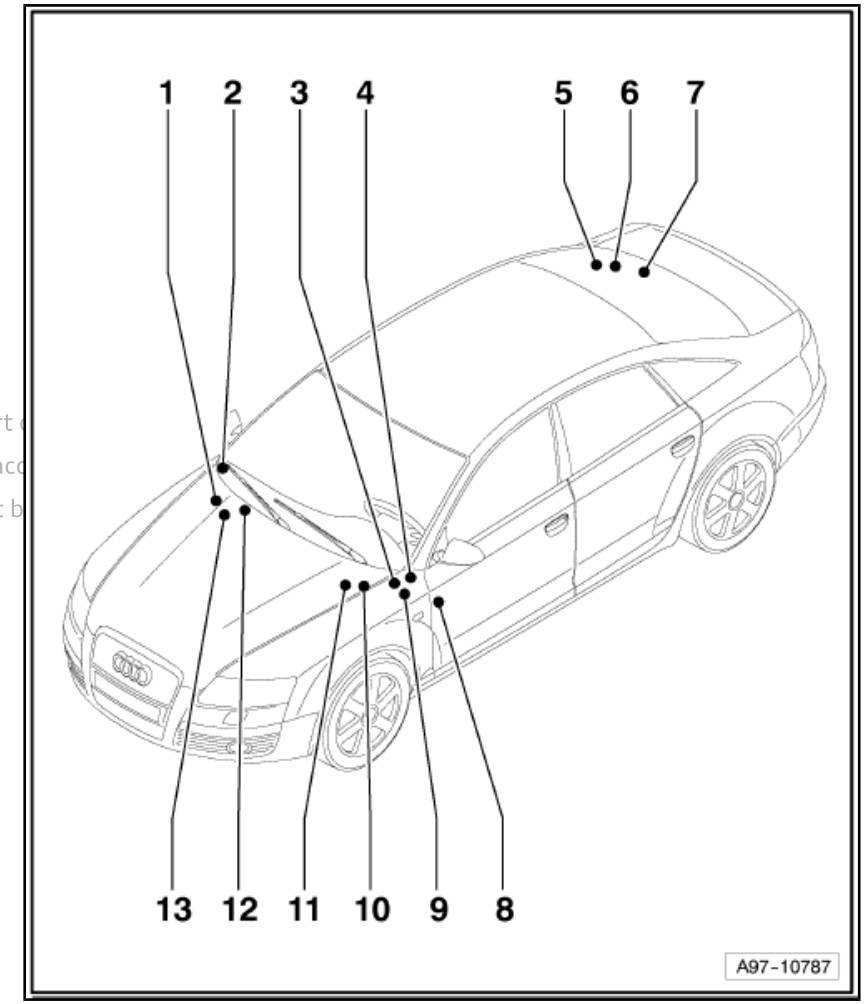
1 -
Fuses in electronics box, right in plenum chamber

- ❑ Position of fuses, fuse holder, from model year 2005 ⇒ page 65
- ❑ Position of fuses, fuse holder left-hand drive, from model year 2007 ⇒ page 66
- ❑ Position of fuses, fuse holder right-hand drive, from model year 2007 ⇒ page 67

2 - Fuses on fuse holder, front passenger side

- ❑ Location of fuses (SC) on fuse holder ⇒ page 35
- ❑ Location of fuses (SB) on fuse holder, right-hand drive ⇒ page 28
- ❑ Position of fuses (SC) on fuse holder, from model year 2005 ⇒ page 37
- ❑ Position of fuses (SC) on fuse holder, left-hand drive, from model year 2007 ⇒ page 40
- ❑ Position of fuses (SC) on fuse holder, left-hand drive, from model year 2009 ⇒ page 40 ⇒ page 43
- ❑ Position of fuses (SB) on fuse holder, right-hand drive, from model year 2007 ⇒ page 29
- ❑ Position of fuses (SB) on fuse holder, right-hand drive, from model year 2009 ⇒ page 32

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3 -
Fuses on steering cross member

- ❑ Position of fuses, fuse holder ⇒ page 73

4 -
Fuses on onboard supply control unit -J519-

- ❑ Position of fuses, fuse holder ⇒ page 64

5 - Fuses (SF) on fuse holder F

- ❑ Location fuse holder ⇒ page 54
- ❑ Position of fuses, fuse holder, from model year 2005 ⇒ page 56
- ❑ Position of fuses, fuse holder, from model year 2007 ⇒ page 58
- ❑ Position of fuses, fuse holder, from model year 2009 ⇒ page 60

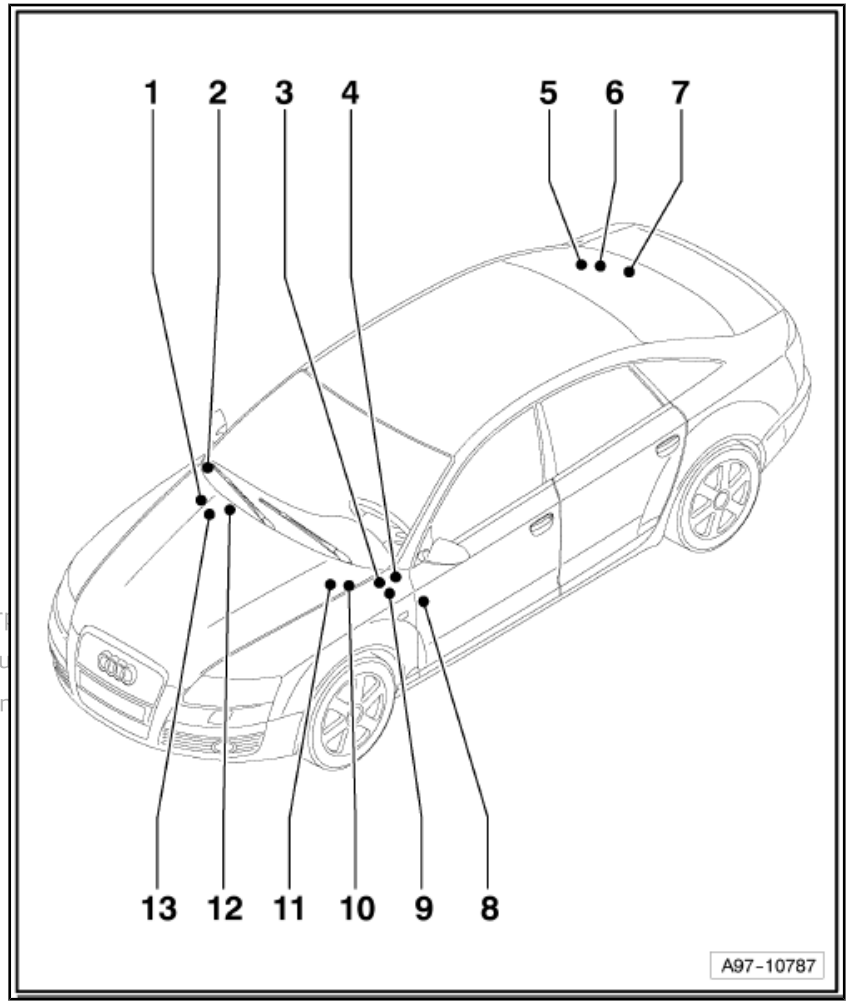
6 -
Fuses, on right in luggage compartment

- ❑ Position of fuses, fuse holder, from model year 2005 ⇒ page 70
- ❑ Position of fuses, fuse holder, from model year 2007 ⇒ page 72

7 - Fuses in luggage compartment, rear right, on the battery

- ❑ Position of fuses, fuse holder, from model year 2007 ⇒ page 75

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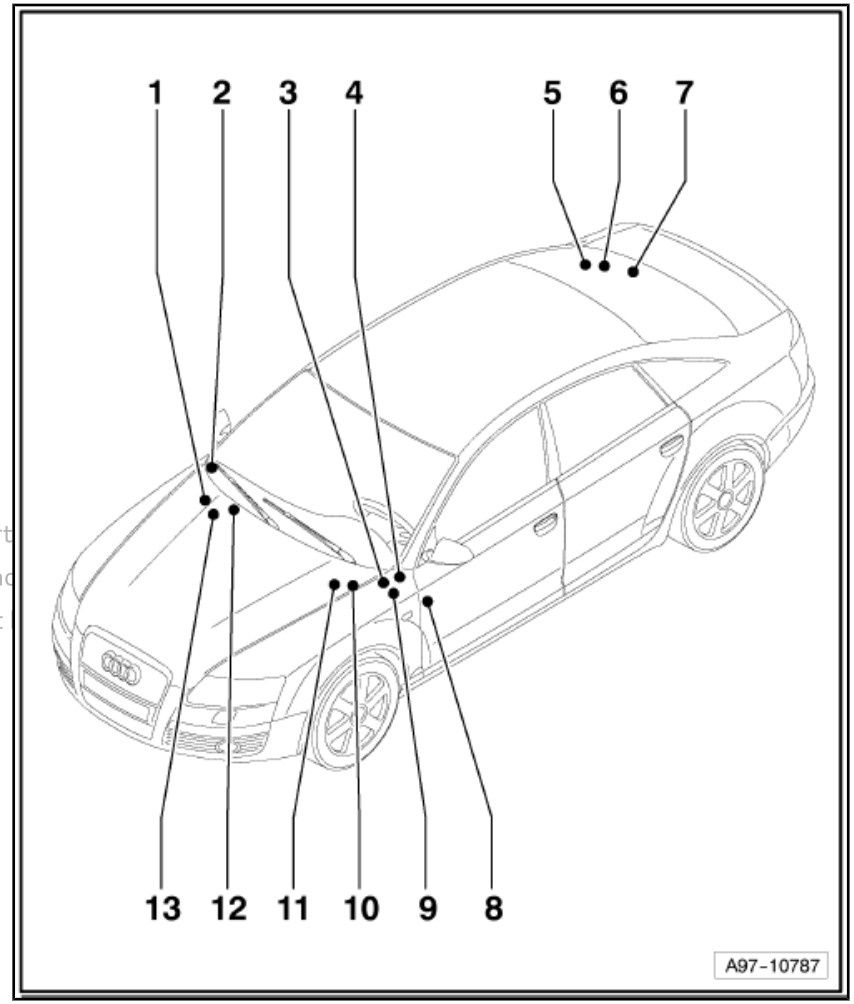
8 - Fuses on fuse holder, driver side

- Location of fuses (SB) on fuse holder ⇒ page 18
- Location of fuses (SC) on fuse holder, right-hand drive ⇒ page 46
- Position of fuses (SB) on fuse holder, from model year 2005 ⇒ page 19
- Position of fuses (SB) on fuse holder, left-hand drive, from model year 2007 ⇒ page 22
- Position of fuses (SB) on fuse holder, left-hand drive, from model year 2009 ⇒ page 25
- Position of fuses (SC) on fuse holder, right-hand drive, from model year 2007 ⇒ page 48
- Position of fuses (SC) on fuse holder, right-hand drive, from model year 2009 ⇒ page 51

9 - Fuses behind driver's storage compartment

- Position of fuses, fuse holder, from model year 2005 ⇒ page 62
- Position of fuses, fuse holder left-hand drive, from model year 2007 ⇒ page 63
- Position of fuses, fuse holder right-hand drive, from model year 2007 ⇒ page 63

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10 - Fuses (SA) on fuse holder A

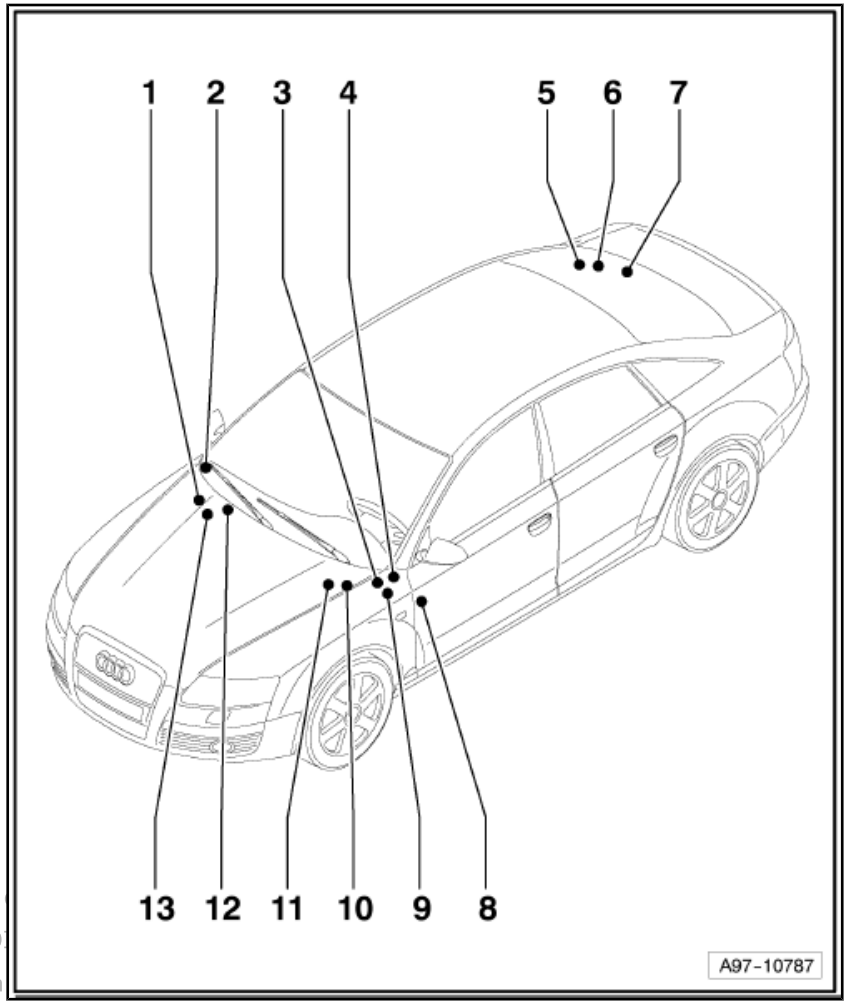
- ❑ Location fuse holder ⇒ page 6
- ❑ Location fuse holder, right-hand drive ⇒ page 13
- ❑ Position of fuses, fuse holder, from model year 2005 ⇒ page 7
- ❑ Position of fuses, fuse holder left-hand drive, from model year 2007 ⇒ page 9
- ❑ Position of fuses, fuse holder left-hand drive, from model year 2009 ⇒ page 11
- ❑ Position of fuses, fuse holder right-hand drive, from model year 2007 ⇒ page 14
- ❑ Position of fuses, fuse holder right-hand drive, from model year 2009 ⇒ page 16

11 - Fuses in electronics box, left in plenum chamber

- ❑ Position of fuses, fuse holder left-hand drive, from model year 2007 ⇒ page 68
- ❑ Position of fuses, fuse holder right-hand drive, from model year 2007 ⇒ page 69

12 - Fuses on coupling station, lower part of right A-pillar

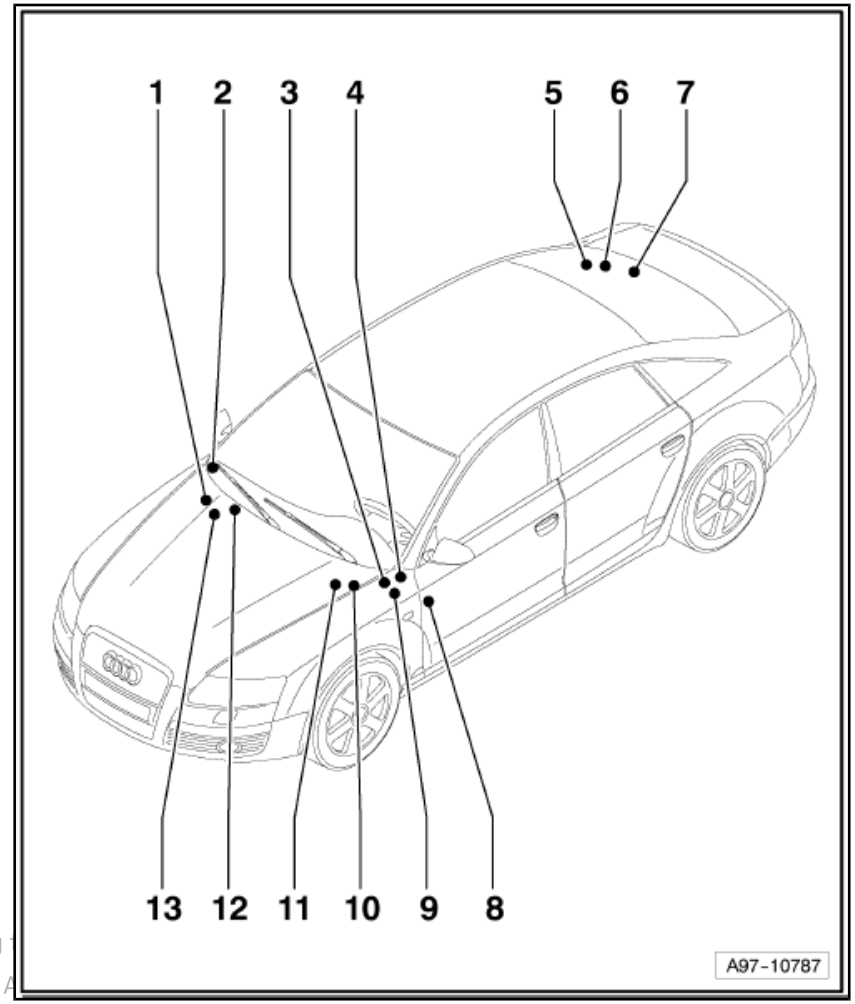
- ❑ Position of fuses, fuse holder ⇒ page 76



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13 -
Fuses on main fuse carrier electronics box, right in plenum chamber

- ❑ Position of fuses, fuse holder ⇒ page 74



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1.2 Location of fuses (SA), in electronics box left in plenum chamber

1.2.1 Fuse colours

40 A - orange

30 A - green

25 A - white

20 A - yellow

15 A - blue

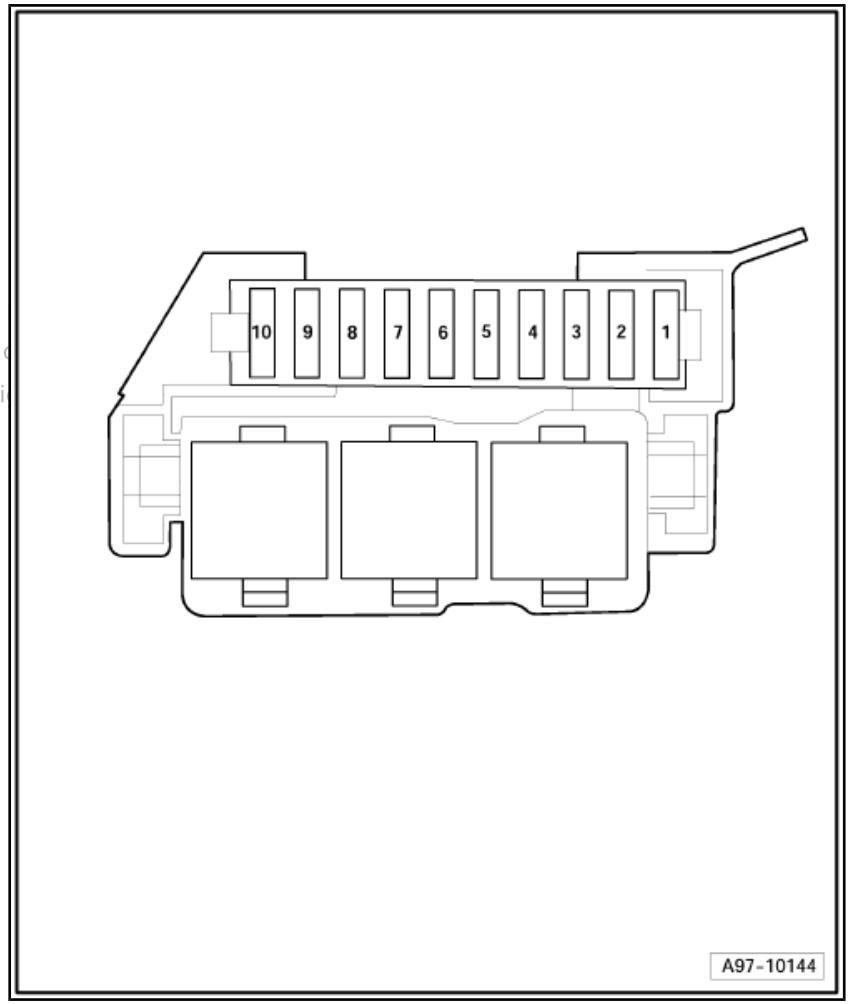
10 A - red

7.5 A - brown

5 A - beige

3 A - purple

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1.3 Position of fuses, fuse holder, from model year 2005

No.		Current Flow Diagram designation	Nominal value		Function/component		Terminal
1	-	SA11 - Fuse 1 on fuse holder in engine compartment	15A	-	J569 -	Brake servo relay	30
2	-	SA12 - Fuse 2 on fuse holder in engine compartment	20A 30A 15A	-	N... - N... - N184 - J179 - J360 - J724 - N144 - N145 - V157 - V275 -	Ignition coils (BBJ, BDW, AUK) Ignition coils (BAT, BGS) Clutch actuator breather valve Automatic glow period control unit High heat output relay Turbocharger 1 control unit Left electrohydraulic engine mounting solenoid valve Right electrohydraulic engine mounting solenoid valve Intake manifold flap motor Intake manifold flap 2 motor	87
3	-	SA13 - Fuse 3 on fuse holder in engine compartment	10A 15A	-	J151 - J496 - N276 - N290 - N205 - N208 - N318 - N319 - F265 - V157 - V183 -	Continued coolant circulation relay (BBJ, BDW, BAT) Additional coolant pump relay (AUK, BGS) Fuel pressure regulating valve (BMK) Fuel metering valve (BMK) Inlet camshaft control valve 1 (AUK, BBJ, BDW, BAT, BGS) Inlet camshaft control valve 2 (AUK, BBJ, BDW, BAT) Exhaust camshaft control valve 1 (AUK, BBJ, BAT, BGS) Exhaust camshaft control valve 2 (AUK, BBJ, BDW, BAT) Map-controlled engine cooling system thermostat (BGS) Intake manifold flap motor (BGS) Variable intake manifold motor (BGS)	87

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No.		Current Flow Diagram designation	Nominal value		Function/component		Terminal
4	-	SA14 - Fuse 4 on fuse holder in engine compartment	15A	-	J623 - J624 - J248 - J361 -	Engine control unit Engine control unit 2 (BGS) Diesel direct injection system control unit Simos control unit (injectors AUK)	87
5	-	SA15 - Fuse 5 on fuse holder in engine compartment	15A 10A[1])	-	G70 - J299 - N80 - N112 - N144 - N145 - N156 - N335 -	Air mass meter Secondary air pump relay Active charcoal filter system solenoid valve 1 Secondary air inlet valve Left electrohydraulic engine mounting solenoid valve Right electrohydraulic engine mounting solenoid valve Variable intake manifold change-over valve Variable intake manifold change-over valve	EKP
6	-	SA16 - Fuse 6 on fuse holder in engine compartment	15A	-	Z19 - Z28 -	Lambda probe heater Lambda probe 2 heater	87
7	-	SA17 - Fuse 7 on fuse holder in engine compartment	15A	-	Z29 - Z30 -	Lambda probe 1 heater after catalytic converter Lambda probe 2 heater after catalytic converter	EKP
8	-	SA18 - Fuse 8 on fuse holder in engine compartment	5A	-	J623 -	Engine control unit	30
9	-	SA19 - Fuse 9 on fuse holder in engine compartment	5A	-	V7 -	radiator fan	87
10	-	SA20 - Fuse 10 on fuse holder in engine compartment	10A	-	J217 -	Automatic gearbox control unit	87

[1]) Engine BGS

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1.4 Position of fuses, fuse holder, left-hand drive, from model year 2007

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	-	SA1 - Fuse 1 on fuse holder A	15A	-	J569 - Brake servo relay	30
2	-	SA2 - Fuse 2 on fuse holder A	20A 30A 15A	-	J179 - Automatic glow period control unit J360 - High heat output relay J724 - Turbocharger 1 control unit N... - Ignition coils (BBJ, BDW, AUK) N... - Ignition coils (BAT, BXA, BDX) N144 - Left electrohydraulic engine mounting solenoid valve N145 - Right electrohydraulic engine mounting solenoid valve N184 - Clutch actuator breather valve V157 - Intake manifold flap motor V275 - Intake manifold flap 2 motor	87
3	-	SA3 - Fuse 3 on fuse holder A	10A	-	J151 - Continued coolant circulation relay (BBJ, BDW, BAT) J496 - Additional coolant pump relay (AUK, BXA) N205 - Exhaust camshaft control valve 1 (AUK, BBJ, BDW, BAT, BXA) N208 - Exhaust camshaft control valve 2 (AUK, BBJ, BDW, BAT) N276 - Fuel pressure regulating valve (BMK) N290 - Fuel metering valve (BMK) N318 - Exhaust camshaft control valve 1 (AUK, BBJ, BAT, BXA) N319 - Exhaust camshaft control valve 2 (AUK, BBJ, BDW, BAT) F... - Actuator for camshaft adjustment (BDX) F265 - Map-controlled engine cooling system thermostat (BXA) V157 - Intake manifold flap motor (BXA) V183 - Variable intake manifold motor (BXA)	87

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
4	-	SA4 - Fuse 4 on fuse holder A	15A	-	J623-Engine control unit J624-Engine control unit 2	87
5	-	SA5 - Fuse 5 on fuse holder A	15A	-	G70-Air mass meter J299-Secondary air pump relay N80-Active charcoal filter system solenoid valve 1 N112-Secondary air inlet valve N144-Left electrohydraulic engine mounting solenoid valve N145-Right electrohydraulic engine mounting solenoid valve N156-Variable intake manifold change-over valve N335-Variable intake manifold change-over valve	EKP
6	-	SA6 - Fuse 6 on fuse holder A	15A	-	Z19-Lambda probe heater Z28-Lambda probe 2 heater	87
7	-	SA7 - Fuse 7 on fuse holder A	15A	-	Z29-Lambda probe 1 heater after catalytic converter Z30-Lambda probe 2 heater after catalytic converter	EKP
8	-	SA8 - Fuse 8 on fuse holder A	5A	-	J623 - Engine control unit	30
9	-	SA9 - Fuse 9 on fuse holder A	5A	-	V7 - Radiator fan	87
10	-	SA10 - Fuse 10 on fuse holder A	10A	-	J217 - Automatic gearbox control unit	87

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1.5 Position of fuses, fuse holder, left-hand drive, from model year 2009

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	-	SA1 - Fuse 1 on fuse holder A	15A	-	J569 - Brake servo relay V400 - Pump for exhaust gas recirculation cooler	30
2	-	SA2 - Fuse 2 on fuse holder A	20A 30A 15A	-	J179 - Automatic glow period control unit ¹) J360 - High heat output relay¹) J338 - Throttle valve module¹) J724 - Turbocharger 1 control module N - Ignition coils N75 - Charge pressure control solenoid valve¹) N79 - Heater element for crankcase breather¹) N144 - Left electrohydraulic engine mounting solenoid valve¹) N145 - Right electrohydraulic engine mounting solenoid valve¹) N275 - Air filter bypass flap valve¹) N345 - Exhaust gas recirculation cooler change-over valve¹) N428 - Valve for oil pressure control¹)	87
3	-	SA3 - Fuse 3 on fuse holder A	10A	-	J151 - Continued coolant circulation relay J496 - Additional coolant pump relay N144 - Left electrohydraulic engine mounting solenoid valve N145 - Right electrohydraulic engine mounting solenoid valve N205 - Camshaft control valve 1 N208 - Camshaft control valve 2 N276 - Fuel pressure regulating valve ¹) N290 - Fuel metering valve¹) N318 - Exhaust camshaft control valve 1 N319 - Exhaust camshaft contol valve 2 F... - Actuator for camshaft adjustment F265 -Map-controlled engine cooling system thermostat V157 - Intake manifold flap motor V183 - Variable intake manifold motor	87

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¹) models with diesel engine

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
4	-	SA4 - Fuse 4 on fuse holder A	15 A	-	J623-Engine control unit J624-Engine control unit 2	87
5	-	SA5 - Fuse 5 on fuse holder A	15 A	-	J299 - Secondary air pump relay N80 - Activated charcoal filter solenoid valve 1 N112 - Secondary air inlet valve N144 - Left electrohydraulic engine mounting solenoid valve N145 - Right electrohydraulic engine mounting solenoid valve N156 - Variable intake manifold change-over valve N249 - Turbocharger air recirculation valve N276 - Fuel pressure regulating valve N290 - Fuel metering valve N316 - Intake manifold flap valve N320 - Secondary air inlet valve 2 N335 - Variable intake mainfold change-over valve N402 - Fuel metering valve 2 N428 - Valve for oil pressure control V144 - Fuel system diagnositic pump	EKP
6	-	SA6 - Fuse 6 on fuse holder A	15 A	-	Z19-Lambda probe heater Z28-Lambda probe 2 heater	87
7	-	SA7 - Fuse 7 on fuse holder A	15 A	-	Z29-Lambda probe 1 heater after catalytic converter Z30-Lambda probe 2 heater after catalytic converter	EKP
8	-	SA8 - Fuse 8 on fuse holder A	5 A 20 A[1])	-	J623 - Engine control unit J832 - Relay for supplementary fuel pump[1])	30
9	-	SA9 - Fuse 9 on fuse holder A	5 A	-	V7 - Radiator fan	87
10	-	SA10 - Fuse 10 on fuse holder A	10 A	-	J217 - Automatic gearbox control unit	87

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[1]) models with diesel engine

1.6 Location of fuses (SA), in electronics box left in plenum chamber, right-hand drive

1.6.1 Fuse colours

40 A - orange

30 A - green

25 A - white

20 A - yellow

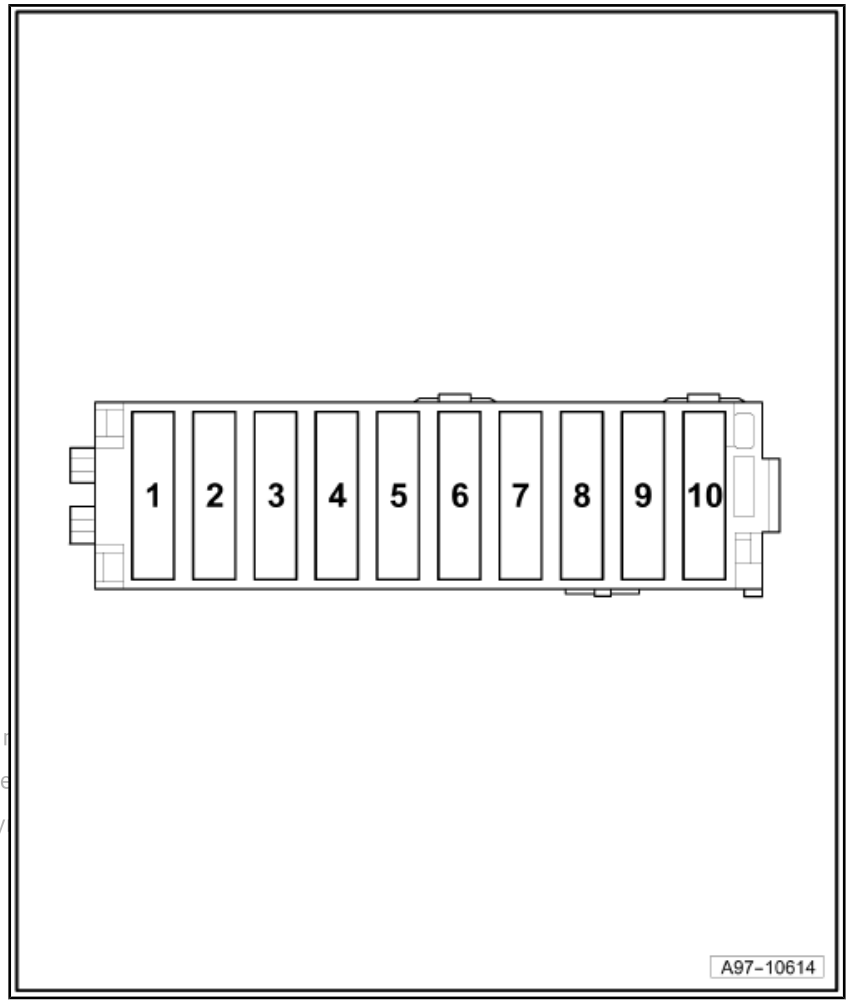
15 A - blue

10 A - red

7.5 A - brown

5 A - beige

3 A - purple



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1.7 Position of fuses, fuse holder, right-hand drive, from model year 2007

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	-	SA1 - Fuse 1 on fuse holder A	15A	-	J569 - Brake servo relay	30
2	-	SA2 - Fuse 2 on fuse holder A	20A 30A 15A	-	J179 - Automatic glow period control unit J360 - High heat output relay J724 - Turbocharger 1 control unit N... - Ignition coils (BBJ, BDW, AUK) N... - Ignition coils (BAT, BXA, BDX) N144 - Left electrohydraulic engine mounting solenoid valve N145 - Right electrohydraulic engine mounting solenoid valve N184 - Clutch actuator breather valve V157 - Intake manifold flap motor V275 - Intake manifold flap 2 motor	87
3	-	SA3 - Fuse 3 on fuse holder A	10A	-	J151 - Continued coolant circulation relay (BBJ, BDW, BAT) J496 - Additional coolant pump relay (AUK, BXA) N205 - Exhaust camshaft control valve 1 (AUK, BBJ, BDW, BAT, BXA) N208 - Exhaust camshaft control valve 2 (AUK, BBJ, BDW, BAT) N276 - Fuel pressure regulating valve (BMK) N290 - Fuel metering valve (BMK) N318 - Exhaust camshaft control valve 1 (AUK, BBJ, BAT, BXA) N319 - Exhaust camshaft control valve 2 (AUK, BBJ, BDW, BAT) F... - Actuator for camshaft adjustment (BDX) F265 - Map-controlled engine cooling system thermostat (BXA) V157 - Intake manifold flap motor (BXA) V183 - Variable intake manifold motor (BXA)	87

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
4	-	SA4 - Fuse 4 on fuse holder A	15A	-	J623-Engine control unit J624-Engine control unit 2	87
5	-	SA5 - Fuse 5 on fuse holder A	15A	-	G70-Air mass meter J299-Secondary air pump relay N80-Active charcoal filter system solenoid valve 1 N112-Secondary air inlet valve N144-Left electrohydraulic engine mounting solenoid valve N145-Right electrohydraulic engine mounting solenoid valve N156-Variable intake manifold change-over valve N335-Variable intake manifold change-over valve	EKP
6	-	SA6 - Fuse 6 on fuse holder A	15A	-	Z19-Lambda probe heater Z28-Lambda probe 2 heater	87
7	-	SA7 - Fuse 7 on fuse holder A	15A	-	Z29-Lambda probe 1 heater after catalytic converter Z30-Lambda probe 2 heater after catalytic converter	EKP
8	-	SA8 - Fuse 8 on fuse holder A	5A	-	J623 - Engine control unit	30
9	-	SA9 - Fuse 9 on fuse holder A	5A	-	V7 - Radiator fan	87
10	-	SA10 - Fuse 10 on fuse holder A	10A	-	J217 - Automatic gearbox control unit	87

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1.8 Position of fuses, fuse holder, right-hand drive, from model year 2009

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	-	SA1 - Fuse 1 on fuse holder A	15A	-	J569 - Brake servo relay	30
2	-	SA2 - Fuse 2 on fuse holder A	20A 30A 15A	-	J179 - Automatic glow period control unit ¹) J360 - High heat output relay¹) J338 - Throttle valve module¹) J724 - Turbocharger 1 control module N... - Ignition coils N75 - Charge pressure control solenoid valve¹) N79 - Heater element for crankcase breather¹) N144 - Left electrohydraulic engine mounting solenoid valve¹) N145 - Right electrohydraulic engine mounting solenoid valve¹) N275 - Air filter bypass flap valve¹) N345 - Exhaust gas recirculation cooler change-over valve¹) N428 - Valve for oil pressure control¹)	87
3	-	SA3 - Fuse 3 on fuse holder A	10A	-	J151 - Continued coolant circulation relay J496 - Additional coolant pump relay N144 - Left electrohydraulic engine mounting solenoid valve N145 - Right electrohydraulic engine mounting solenoid valve N205 - Camshaft control valve 1 N208 - Camshaft control valve 2 N276 - Fuel pressure regulating valve ¹) N290 - Fuel metering valve¹) N318 - Exhaust camshaft control valve 1 N319 - Exhaust camshaft contol valve 2 F... - Actuator for camshaft adjustment F265 -Map-controlled engine cooling system thermostat V157 - Intake manifold flap motor V183 - Variable intake manifold motor	87

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¹) models with diesel engine

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
4	-	SA4 - Fuse 4 on fuse holder A	15 A	-	J623-Engine control unit J624-Engine control unit 2	87
5	-	SA5 - Fuse 5 on fuse holder A	15 A	-	J299 - Secondary air pump relay N80 - Activated charcoal filter solenoid valve 1 N112 - Secondary air inlet valve N144 - Left electrohydraulic engine mounting solenoid valve N145 - Right electrohydraulic engine mounting solenoid valve N156 - Variable intake manifold change-over valve N249 - Turbocharger air recirculation valve N276 - Fuel pressure regulating valve N290 - Fuel metering valve N316 - Intake manifold flap valve N320 - Secondary air inlet valve 2 N335 - Variable intake mainfold change-over valve N402 - Fuel metering valve 2 N428 - Valve for oil pressure control V144 - Fuel system diagnositic pump	EKP
6	-	SA6 - Fuse 6 on fuse holder A	15 A	-	Z19-Lambda probe heater Z28-Lambda probe 2 heater	87
7	-	SA7 - Fuse 7 on fuse holder A	15 A	-	Z29-Lambda probe 1 heater after catalytic converter Z30-Lambda probe 2 heater after catalytic converter	EKP
8	-	SA8 - Fuse 8 on fuse holder A	5 A 20 A[1])	-	J623 - Engine control unit J832 - Relay for supplementary fuel pump[1])	30
9	-	SA9 - Fuse 9 on fuse holder A	5 A	-	V7 - Radiator fan	87
10	-	SA10 - Fuse 10 on fuse holder A	10 A	-	J217 - Automatic gearbox control unit	87

[1]) models with diesel engine

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1.9 Location of fuses (SB), left dash panel

1.9.1 Fuse colours

40 A - orange

30 A - green

25 A - white

20 A - yellow

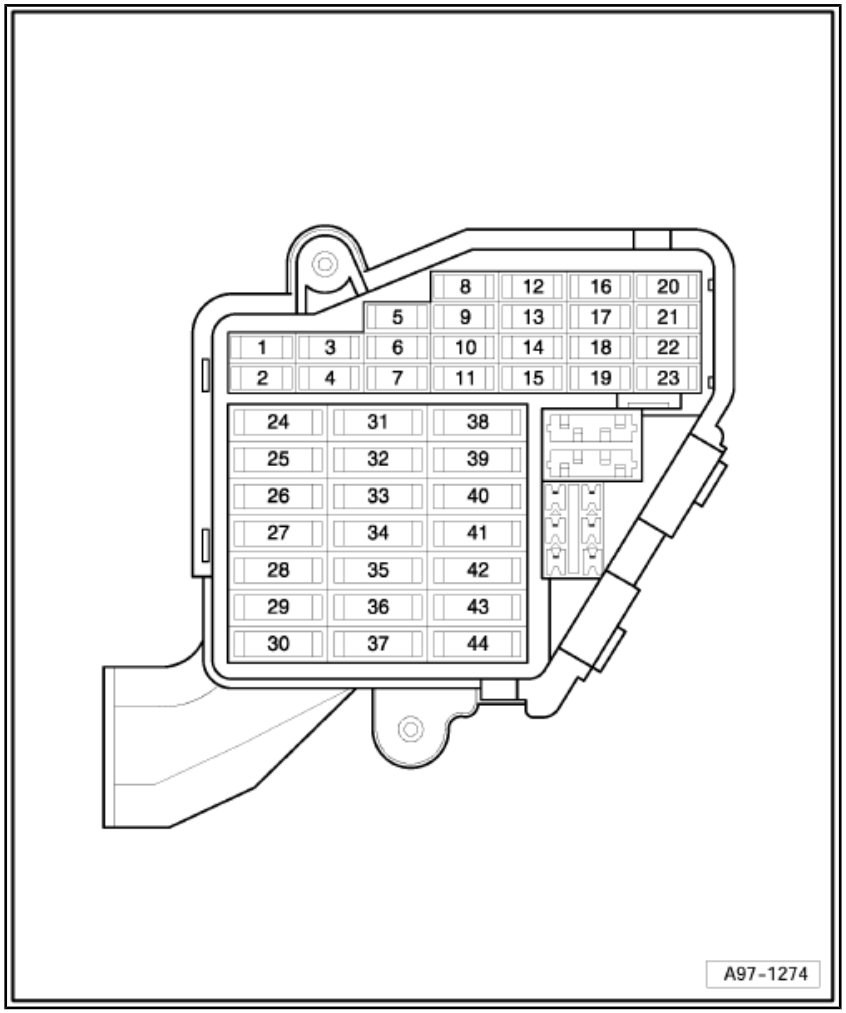
15 A - blue

10 A - red

7.5 A - brown

5 A - beige

3 A - purple



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1.10 Position of fuses, fuse holder, from model year 2005

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	-	Not assigned				
2	-	Not assigned				
3	-	SB3 - Fuse 3 on fuse holder	5A	-	J361 - Simos control unit J248 - Diesel direct injection system control unit J623 - Engine control unit	15
4	-	SB4 - Fuse 4 on fuse holder	5A	-	G266-Oil level and oil temperature sender	15
5	-	SB5 - Fuse 5 on fuse holder	5A	-	G238-Air quality sensor G395-Refrigerant pressure and temperature sender	15
6	-	SB6 - Fuse 6 on fuse holder	5A	-	J104-ABS control unit G476-Clutch position sender	15
7	-	SB7 - Fuse 7 on fuse holder	5A	-	T16 - Diagnostic connector	15
8	-	SB8 - Fuse 8 on fuse holder	5A	-	J530 - Garage door operation control unit	15
9	-	SB9 - Fuse 9 on fuse holder	5A	-	Y7 - Automatic anti-dazzle interior mirror	15
10	-	SB10 - Fuse 10 on fuse holder	5A	-	J428 - Adaptive cruise control unit	15
11	-	SB11 - Fuse 11 on fuse holder	5A	-	R64 - Remote control receiver for auxiliary heating	30
12	-	SB12 - Fuse 12 on fuse holder	10A	-	T16 - Diagnostic connector	30
13	-	SB13 - Fuse 13 on fuse holder	10A	-	J527 - Steering column electronics control unit	30
14	-	SB14 - Fuse 14 on fuse holder	5A	-	F - Brake light switch	30

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
15	-	SB15 - Fuse 15 on fuse holder	10 A	-	J285 - Control unit in dash panel insert	30
16	-	SB16 - Fuse 16 on fuse holder	10 A	-	R36 - Telephone transmitter and receiver unit	30
17	-	SB17 - Fuse 17 on fuse holder	10 A	-	J104 - ABS control unit	30
18	-	SB18 - Fuse 18 on fuse holder	5 A	-	left and right headlight with cornering lights	15
19	-	SB19 - Fuse 19 on fuse holder	5 A	-	G397 - Rain and light detector sensor	30
20	-	SB20 - Fuse 20 on fuse holder	5 A	-	Z20 -Left washer jet heater element Z21 -Right washer jet heater element	75
21	-	SB21 - Fuse 21 on fuse holder	5 A	-	R24 - Aerial amplifier	30
22	-	Not assigned				
23	-	SB23 - Fuse 23 on fuse holder	5 A	-	J540 - Electric park and handbrake control unit	30
24	-	Not assigned				
25	-	Not assigned				
26	-	Not assigned				
27	-	Not assigned				
28	-	Not assigned				
29	-	Not assigned				

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
30	-	Not assigned				
31	-	SB31 - Fuse 31 on fuse holder	15 A	-	F4 - Reversing light switch G70 - Air mass meter J217 - Automatic gearbox control unit	15
32	-	SB32 - Fuse 32 on fuse holder	30 A	-	J519 - Onboard power supply control unit	30
33	-	SB33 - Fuse 33 on fuse holder	25 A	-	J519 - Onboard power supply control unit	30
34	-	SB34 - Fuse 34 on fuse holder	25 A	-	J519 - Onboard power supply control unit	30
35	-	SB35 - Fuse 35 on fuse holder	20 A	-	J364-Auxiliary heater control unit	30
36	-	SB36 - Fuse 36 on fuse holder	30 A	-	J39 - Headlight washer system relay	30
37	-	SB37 - Fuse 37 on fuse holder	25 A	-	J104 - ABS control unit	30
38	-	SB38 - Fuse 38 on fuse holder	30 A	-	J400 - Wiper motor control unit	30
39	-	SB39 - Fuse 39 on fuse holder	15 A	-	J386-Driver door control unit J388-Rear left door control unit	30
40	-	SB40 - Fuse 40 on fuse holder	25 A	-	J4-Dual tone horn relay H2-Treble tone horn H7-Bass tone horn	30
41	-	SB41 - Fuse 41 on fuse holder	40 A	-	J126 - Fresh air blower control uni	30
42	-	SB42 - Fuse 42 on fuse holder	30 A	-	E415-Entry and start authorisation switch J518-Entry and start authorisation control unit	30
43	-	SB43 - Fuse 43 on fuse holder	15 A	-	V12 - Rear window wiper motor	75
44	-	SB44 - Fuse 44 on fuse holder	15 A 35 A	-	J723 - Aerial reader unit for keyless entry system (up to October 2005) V26 - Rear left window regulator motor (from November 2005) V147 - Driver side window regulator motor (from November 2005)	30

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1.11 Position of fuses, fuse holder, left-hand drive, from model year 2007

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	-	Not assigned				
2	-	Not assigned				
3	-	SB3-Fuse 3 on fuse holder B	5 A	-	J623 - Engine control unit	15
4	-	SB4-Fuse 4 on fuse holder B	5 A	-	G226 - Oil level and oil temperature sender	15
5	-	SB5-Fuse 5 on fuse holder B	5 A	-	G238-Air quality sensor G395-Refrigerant pressure and temperature sender	15
6	-	SB6-Fuse 6 on fuse holder B	5 A	-	J104-ABS control unit G476-Clutch position sender	15
7	-	SB7 - Fuse 7 on fuse holder B	5 A	-	T16 - Diagnostic connector	15
8	-	SB8-Fuse 8 on fuse holder B	5 A	-	J530 - Garage door operation control unit	15
9	-	SB9-Fuse 9 on fuse holder B	5 A	-	Y7 - Automatic anti-dazzle interior mirror	15
10	-	SB10 - Fuse 10 on fuse holder B	5 A	-	J428 - Adaptive cruise control unit	15
11	-	SB11 - Fuse 11 on fuse holder B	5 A	-	R64 - Remote control receiver for auxiliary heating	30
12	-	SB12 - Fuse 12 on fuse holder B	10 A	-	T16 - Diagnostic connector	30
13	-	SB13 - Fuse 13 on fuse holder B	10 A	-	J527 - Steering column electronics control unit	30
14	-	SB14 - Fuse 14 on fuse holder B	5 A	-	F - Brake light switch	30

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
15	-	SB15-Fuse 15 on fuse holder B	10 A	-	J285-Control unit with display in dash panel insert J533-Data bus diagnostic interface	30
16	-	SB16 - Fuse 16 on fuse holder B	10 A	-	R36 - Telephone transmitter and receiver unit	30
17	-	SB17 - Fuse 17 on fuse holder B	10 A	-	J104 - ABS control unit	30
18	-	SB18-Fuse 18 on fuse holder B	5 A	-	Left headlight with cornering lights J745-Cornering light and headlight range control unit	15
19	-	SB19-Fuse 19 on fuse holder B	5 A	-	G397 - Rain and light detector sensor	30
20	-	SB20-Fuse 20 on fuse holder B	5 A	-	Z20 -Left washer jet heater element Z21 -Right washer jet heater element	75
21	-	SB21-Fuse 21 on fuse holder B	10 A	-	Seat adjustment lumbar support driver seat	30
22	-	Not assigned				
23	-	SB23-Fuse 23 on fuse holder B	5 A	-	J540 - Electric park and handbrake control unit	30
24	-	Not assigned				
25	-	Not assigned				
26	-	Not assigned				
27	-	Not assigned				
28	-	Not assigned				
29	-	Not assigned				
30	-	Not assigned				

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
31	-	SB31-Fuse 31 on fuse holder B	15 A	-	F4 - Reversing light switch G70 - Air mass meter J217 - Automatic gearbox control unit	15
32	-	SB32-Fuse 32 on fuse holder B	30 A	-	J519 - Onboard power supply control unit	30
33	-	SB33-Fuse 33 on fuse holder B	25 A	-	J519 - Onboard power supply control unit	30
34	-	SB34-Fuse 34 on fuse holder B	25 A	-	J519 - Onboard power supply control unit	30
35	-	SB35-Fuse 35 on fuse holder B	20 A	-	J364-Auxiliary heater control unit	30
36	-	SB36-Fuse 36 on fuse holder B	30 A	-	J39 - Headlight washer system relay	30
37	-	SB37-Fuse 37 on fuse holder B	25 A	-	J104 - ABS control unit	30
38	-	SB38-Fuse 38 on fuse holder B	30 A	-	J400 - Wiper motor control unit	30
39	-	SB39-Fuse 39 on fuse holder B	15 A	-	J386-Driver door control unit J388-Rear left door control unit	30
40	-	SB40 - Fuse 40 on fuse holder B	25 A	-	J4-Dual tone horn relay H2-Treble tone horn H7-Bass tone horn	30
41	-	SB41-Fuse 41 on fuse holder B	40 A	-	J126 - Fresh air blower control uni	30
42	-	SB42-Fuse 42 on fuse holder B	30 A	-	E415-Entry and start authorisation switch J518-Entry and start authorisation control unit	30
43	-	SB43-Fuse 43 on fuse holder B	15 A	-	V12 - Rear window wiper motor	75
44	-	SB44-Fuse 44 on fuse holder B	35 A	-	V26-Rear left window regulator motor V147-Driver side window regulator motor	30

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1.12 Position of fuses, fuse holder, left-hand drive, from model year 2009

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	-	Not assigned				
2	-	Not assigned				
3	-	SB3-Fuse 3 on fuse holder B	5 A	-	J623 - Engine control unit	15
4	-	SB4-Fuse 4 on fuse holder B	5 A	-	G226 - Oil level and oil temperature sender	15
5	-	SB5-Fuse 5 on fuse holder B	5 A	-	G238-Air quality sensor G395-Refrigerant pressure and temperature sender	15
6	-	SB6-Fuse 6 on fuse holder B	5 A	-	J104-ABS control unit G476-Clutch position sender	15
7	-	SB7 - Fuse 7 on fuse holder B	5 A	-	T16 - Diagnostic connector	15
8	-	SB8-Fuse 8 on fuse holder B	5 A	-	J530 - Garage door operation control unit	15
9	-	SB9-Fuse 9 on fuse holder B	5 A	-	Y7 - Automatic anti-dazzle interior mirror	15
10	-	SB10 - Fuse 10 on fuse holder B	5 A	-	J428 - Adaptive cruise control unit	15
11	-	SB11 - Fuse 11 on fuse holder B	5 A	-	R64 - Remote control receiver for auxiliary heating	30
12	-	SB12 - Fuse 12 on fuse holder B	10 A	-	T16 - Diagnostic connector	30
13	-	SB13 - Fuse 13 on fuse holder B	10 A	-	J527 - Steering column electronics control unit	30
14	-	Not assigned				

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
15	-	SB15-Fuse 15 on fuse holder B	10 A	-	J285-Control unit with display in dash panel insert J533-Data bus diagnostic interface	30
16	-	SB16 - Fuse 16 on fuse holder B	5 A	-	J794 - Control unit 1 for information electronics R127 - Telephone bracket	30
17	-	SB17 - Fuse 17 on fuse holder B	10 A	-	J104 - ABS control unit	30
18	-	SB18-Fuse 18 on fuse holder B	5 A	-	Left headlight with cornering lights J745-Cornering light and headlight range control unit	15
19	-	SB19-Fuse 19 on fuse holder B	5 A	-	G397 - Rain and light detector sensor	30
20	-	SB20-Fuse 20 on fuse holder B	5 A	-	Z20 -Left washer jet heater element Z21 -Right washer jet heater element	75
21	-	SB21-Fuse 21 on fuse holder B	10 A	-	Seat adjustment lumbar support driver seat	30
22	-	SB22-Fuse 22 on fuse holder B	5 A	-	J685 - Display unit for front information display and operating unit control unit	30
23	-	SB23-Fuse 23 on fuse holder B	5 A	-	J540 - Electric park and handbrake control unit	30
24	-	Not assigned				
25	-	Not assigned				
26	-	Not assigned				
27	-	Not assigned				
28	-	Not assigned				
29	-	Not assigned				
30	-	Not assigned				

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
31	-	SB31-Fuse 31 on fuse holder B	15 A	-	F4 - Reversing light switch G70 - Air mass meter J217 - Automatic gearbox control unit	15
32	-	SB32-Fuse 32 on fuse holder B	30 A	-	J519 - Onboard power supply control unit	30
33	-	SB33-Fuse 33 on fuse holder B	25 A	-	J519 - Onboard power supply control unit	30
34	-	SB34-Fuse 34 on fuse holder B	25 A	-	J519 - Onboard power supply control unit	30
35	-	SB35-Fuse 35 on fuse holder B	20 A	-	J364-Auxiliary heater control unit	30
36	-	SB36-Fuse 36 on fuse holder B	30 A	-	J39 - Headlight washer system relay	30
37	-	SB37-Fuse 37 on fuse holder B	25 A	-	J104 - ABS control unit	30
38	-	SB38-Fuse 38 on fuse holder B	30 A	-	J400 - Wiper motor control unit	30
39	-	SB39-Fuse 39 on fuse holder B	15 A	-	J386-Driver door control unit J388-Rear left door control unit	30
40	-	SB40 - Fuse 40 on fuse holder B	25 A	-	J4-Dual tone horn relay H2-Treble tone horn H7-Bass tone horn	30
41	-	SB41-Fuse 41 on fuse holder B	40 A	-	J126 - Fresh air blower control uni	30
42	-	SB42-Fuse 42 on fuse holder B	30 A	-	E415-Entry and start authorisation switch J518-Entry and start authorisation control unit	30
43	-	SB43-Fuse 43 on fuse holder B	15 A	-	V12 - Rear window wiper motor	75
44	-	SB44-Fuse 44 on fuse holder B	35 A	-	V26-Rear left window regulator motor V147-Driver side window regulator motor	30

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1.13 Location of fuses (SB), right dash panel, right-hand drive

1.13.1 Fuse colours

40 A - orange

30 A - green

25 A - white

20 A - yellow

15 A - blue

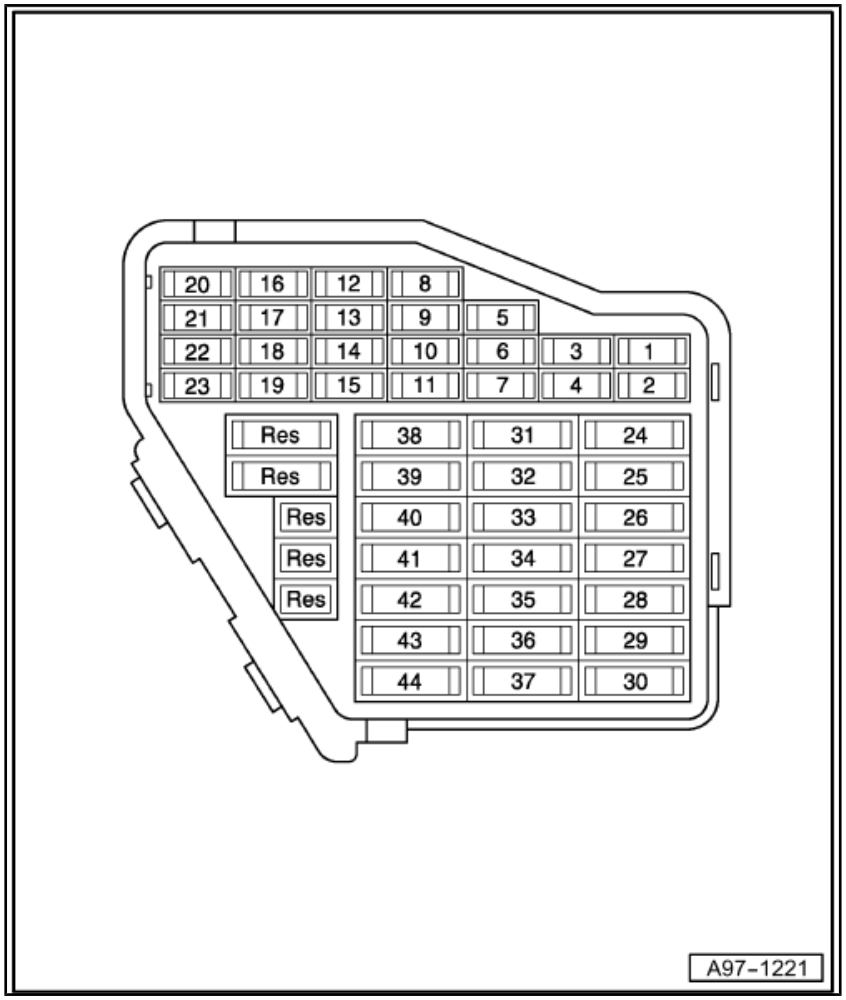
10 A - red

7.5 A - brown

5 A - beige

3 A - purple

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1.14 Position of fuses, fuse holder, right-hand drive, from model year 2007

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	-	Not assigned				
2	-	Not assigned				
3	-	SB3-Fuse 3 on fuse holder B	5 A	-	J446 - Parking aid control unit	30
4	-	SB4-Fuse 4 on fuse holder B	5 A	-	J446 - Parking aid control unit	15
5	-	SB5-Fuse 5 on fuse holder B	5 A	-	G238-Air quality sensor G395-Refrigerant pressure and temperature sender	15
6	-	SB6-Fuse 6 on fuse holder B	5 A	-	J587 - Selector lever sensors control unit	15
7	-	SB7 - Fuse 7 on fuse holder B	5 A	-	T16 - Diagnostic connector	15
8	-	SB8-Fuse 8 on fuse holder B	5 A	-	Preparation for mobile telephone	15
9	-	SB9-Fuse 9 on fuse holder B	5 A	-	E128-Heated rear left seat switch with regulator E129-Heated rear right seat switch with regulator	15
10	-	SB10 - Fuse 10 on fuse holder B	10 A	-	J759 - Lane departure warning control unit	15
11	-	SB11 - Fuse 11 on fuse holder B	10 A	-	J608 - Special vehicle control unit	30
12	-	SB12 - Fuse 12 on fuse holder B	10 A	-	T16 - Diagnostic connector	30
13	-	SB13 - Fuse 13 on fuse holder B	10 A	-	J527 - Steering column electronics control unit	30
14	-	SB14 - Fuse 14 on fuse holder B	5 A	-	F - Brake light switch	30

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
15	-	SB15-Fuse 15 on fuse holder B	10 A	-	J285-Control unit with display in dash panel insert J533-Data bus diagnostic interface	30
16	-	SB16 - Fuse 16 on fuse holder B	10 A	-	T5k - Pin connector for optional equipment	30
17	-	SB17 - Fuse 17 on fuse holder B	10 A	-	J255 - Climatronic control unit	30
18	-	SB18-Fuse 18 on fuse holder B	5 A	-	left and right headlight with cornering lights	15
19	-	SB19-Fuse 19 on fuse holder B	10 A	-	Seat adjustment lumbar support driver seat	30
20	-	SB20-Fuse 20 on fuse holder B	5 A	-	Z20 -Left washer jet heater element Z21 -Right washer jet heater element	75
21	-	SB21-Fuse 21 on fuse holder B	10 A	-	J615 - Signal system operating unit control unit	15
22	-	SB22-Fuse 22 on fuse holder B	10 A	-	T4ag - Pin connector for optional equipment	15
23	-	SB23-Fuse 23 on fuse holder B	5 A	-	J540 - Electric park and handbrake control unit	30
24	-	Not assigned				
25	-	Not assigned				
26	-	Not assigned				
27	-	Not assigned				
28	-	Not assigned				
29	-	Not assigned				
30	-	Not assigned				

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
31	-	Not assigned				
32	-	SB32-Fuse 32 on fuse holder B	30 A	-	J519 - Onboard power supply control unit	30
33	-	SB33-Fuse 33 on fuse holder B	25 A	-	J519 - Onboard power supply control unit	30
34	-	SB34-Fuse 34 on fuse holder B	25 A	-	J519 - Onboard power supply control unit	30
35	-	SB35-Fuse 35 on fuse holder B	30 A	-	Z45-Heated seat cushion for front left seat Z46-Heated seat cushion for front right seat	30
36	-	SB36-Fuse 36 on fuse holder B	10 A	-	J104 - ABS control unit	30
37	-	SB37-Fuse 37 on fuse holder B	25 A	-	J104 - ABS control unit	30
38	-	SB38-Fuse 38 on fuse holder B	30 A	-	J400 - Wiper motor control unit	30
39	-	SB39-Fuse 39 on fuse holder B	15 A	-	J386-Driver door control unit J388-Rear left door control unit	30
40	-	Not assigned				
41	-	SB41-Fuse 41 on fuse holder B	40 A	-	J126 - Fresh air blower control uni	30
42	-	SB42-Fuse 42 on fuse holder B	30 A	-	E415-Entry and start authorisation switch J518-Entry and start authorisation control unit	30
43	-	SB43-Fuse 43 on fuse holder B	15 A	-	V12 - Rear window wiper motor	75
44	-	SB44-Fuse 44 on fuse holder B	5 A	-	J234 - Airbag control unit	15

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1.15 Position of fuses, fuse holder, right-hand drive, from model year 2009

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	-	Not assigned				
2	-	Not assigned				
3	-	SB3-Fuse 3 on fuse holder B	5 A	-	J446 - Parking aid control unit	30
4	-	SB4-Fuse 4 on fuse holder B	5 A	-	J446 - Parking aid control unit	15
5	-	SB5-Fuse 5 on fuse holder B	5 A	-	G238-Air quality sensor G395-Refrigerant pressure and temperature sender	15
6	-	SB6-Fuse 6 on fuse holder B	5 A	-	J587 - Selector lever sensors control unit	15
7	-	SB7 - Fuse 7 on fuse holder B	5 A	-	T16 - Diagnostic connector	15
8	-	SB8-Fuse 8 on fuse holder B	5 A	-	Preparation for mobile telephone	15
9	-	SB9-Fuse 9 on fuse holder B	5 A	-	E128-Heated rear left seat switch with regulator E129-Heated rear right seat switch with regulator	15
10	-	SB10 - Fuse 10 on fuse holder B	10 A	-	J759 - Lane departure warning control unit	15
11	-	SB11 - Fuse 11 on fuse holder B	10 A	-	J608 - Special vehicle control unit	30
12	-	SB12 - Fuse 12 on fuse holder B	10 A	-	T16 - Diagnostic connector	30
13	-	SB13 - Fuse 13 on fuse holder B	10 A	-	J527 - Steering column electronics control unit	30
14	-	Not assigned				

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
15	-	SB15-Fuse 15 on fuse holder B	10 A	-	J285-Control unit with display in dash panel insert J533-Data bus diagnostic interface	30
16	-	SB16 - Fuse 16 on fuse holder B	10 A	-	T5k - Pin connector for optional equipment	30
17	-	SB17 - Fuse 17 on fuse holder B	10 A	-	J255 - Climatronic control unit	30
18	-	SB18-Fuse 18 on fuse holder B	5 A	-	left and right headlight with cornering lights	15
19	-	SB19-Fuse 19 on fuse holder B	10 A	-	Seat adjustment lumbar support driver seat	30
20	-	SB20-Fuse 20 on fuse holder B	5 A	-	Z20 -Left washer jet heater element Z21 -Right washer jet heater element	75
21	-	SB21-Fuse 21 on fuse holder B	10 A	-	J615 - Signal system operating unit control unit	15
22	-	SB22-Fuse 22 on fuse holder B	10 A	-	T4ag - Pin connector for optional equipment	15
23	-	SB23-Fuse 23 on fuse holder B	5 A	-	J540 - Electric park and handbrake control unit	30
24	-	Not assigned				
25	-	Not assigned				
26	-	Not assigned				
27	-	Not assigned				
28	-	Not assigned				
29	-	Not assigned				
30	-	Not assigned				

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
31	-	Not assigned				
32	-	SB32-Fuse 32 on fuse holder B	30 A	-	J519 - Onboard power supply control unit	30
33	-	SB33-Fuse 33 on fuse holder B	25 A	-	J519 - Onboard power supply control unit	30
34	-	SB34-Fuse 34 on fuse holder B	25 A	-	J519 - Onboard power supply control unit	30
35	-	SB35-Fuse 35 on fuse holder B	30 A	-	Z45-Heated seat cushion for front left seat Z46-Heated seat cushion for front right seat	30
36	-	SB36-Fuse 36 on fuse holder B	10 A	-	J104 - ABS control unit	30
37	-	SB37-Fuse 37 on fuse holder B	25 A	-	J104 - ABS control unit	30
38	-	SB38-Fuse 38 on fuse holder B	30 A	-	J400 - Wiper motor control unit	30
39	-	SB39-Fuse 39 on fuse holder B	15 A	-	J386-Driver door control unit J388-Rear left door control unit	30
40	-	SB40 - Fuse 40 on fuse holder B	5 A		J685 - Display unit for front information display and operating unit control unit	30
41	-	SB41-Fuse 41 on fuse holder B	40 A	-	J126 - Fresh air blower control uni	30
42	-	SB42-Fuse 42 on fuse holder B	30 A	-	E415-Entry and start authorisation switch J518-Entry and start authorisation control unit	30
43	-	SB43-Fuse 43 on fuse holder B	15 A	-	V12 - Rear window wiper motor	75
44	-	SB44-Fuse 44 on fuse holder B	5 A	-	J234 - Airbag control unit	15

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1.16 Location of fuses (SC), right dash panel

1.16.1 Fuse colours

40 A - orange

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - beige

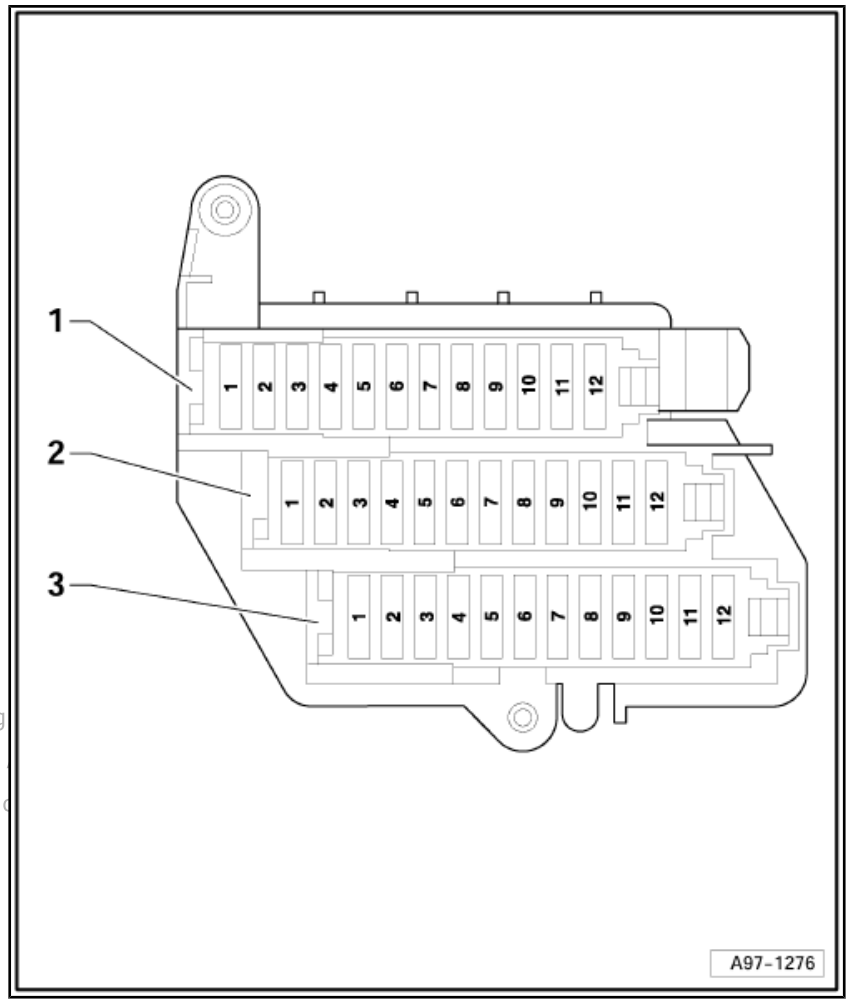
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3 A - purple

1 - Fuse carrier ST1 (black)

2 - Fuse carrier ST2 (brown)

3 - Fuse carrier ST3 (red)



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1.17 Position of fuses, fuse holder, from model year 2005

No.		Current Flow Diagram designation Fuse carrier ST1 (black)	Nominal value		Function/component	Terminal
1	-	SC1 - Fuse 1 on fuse holder	5A[1]) 15A[2])	-	R173 - Traffic data aerial[1]) J723 - Aerial reader unit for keyless entry system[2])	30
2	-	SC2 - Fuse 2 on fuse holder	20A	-	U1 - Cigarette lighter	30
3	-	SC3 - Fuse 3 on fuse holder	5A	-	J502 - Tyre pressure monitor control unit	30
4	-	SC4 - Fuse 4 on fuse holder	20A	-	U5 - 12 V socket	30
5	-	SC5 - Fuse 5 on fuse holder	15A	-	J520 - Onboard supply control unit 2	30
6	-	SC6 - Fuse 6 on fuse holder	15A	-	J387 - Front passenger door control unit J389 - Rear right door control unit	30
7	-	SC7 - Fuse 7 on fuse holder	20A	-	J245 - Sliding sunroof adjustment control unit	30
8	-	SC8 - Fuse 8 on fuse holder	10A	-	J255 - Climatronic control unit	30
9	-	SC9 - Fuse 9 on fuse holder	30A	-	J255 - Climatronic control unit	30
10	-	SC10 - Fuse 10 on fuse holder	10A 5A	-	J523 - Front information display and operating unit control unit	30
11	-	SC11 - Fuse 11 on fuse holder	15A	-	J197 - Adaptive suspension control unit	30
12	-	SC12 - Fuse 12 on fuse holder	5A	-	R118 - Media player position 1 R119 - Media player position 2	30

[1]) up to October 2005

[2]) from November 2005

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No.		Current Flow Diagram designation Fuse carrier ST2 (brown)	Nominal value		Function/component	Terminal
1	-	SC1 - Fuse 1 on fuse holder	20A	-	G23 - Fuel pump (BMK, BNG, BPP) G6 - Fuel pump (BBJ, BAT) J538 Fuel pump control unit (AUK)	87
2	-	SC2 - Fuse 2 on fuse holder	10A	-	U10 - Trailer socket[1])	15
3	-	Not assigned				
4	-	Not assigned				
5	-	SC5 - Fuse 5 on fuse holder	5A	-	J197 - Adaptive suspension control unit	15
6	-	SC6 - Fuse 6 on fuse holder	5A	-	J587 - Selector lever sensors control unit	15
7	-	SC7 - Fuse 7 on fuse holder	5A	-	J446 - Parking aid control unit	15
8	-	SC8 - Fuse 8 on fuse holder	5A	-	J533 - Data bus diagnostic interface	15
9	-	SC9 - Fuse 9 on fuse holder	5A	-	J431 - Headlight range control, control unit	15
10	-	SC10 - Fuse 10 on fuse holder	5A	-	J234 - Airbag control unit K145 - Front passenger side airbag deactivated warning lamp	15
11	-	SC11 - Fuse 11 on fuse holder	5A	-	E128 - Heated rear left seat switch with regulator E129 - Heated rear right seat switch with regulator	15
12	-	Not assigned				

[1]) no longer fitted, phased from October 2004

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No.		Current Flow Diagram designation Fuse carrier ST3 (red)	Nominal value		Function/component		Terminal
1	-	SC1 - Fuse 1 on fuse holder	25A	-	J615 -	Signal system operating unit control unit	30
2	-	SC2 - Fuse 2 on fuse holder	15A	-	J615 -	Signal system operating unit control unit	30
3	-	SC3 - Fuse 3 on fuse holder	15A	-	J615 -	Signal system operating unit control unit	30
4	-	SC4 - Fuse 4 on fuse holder	5A 10A 10A 10A	-	G41 - G24 - J608 - J615 -	Taxi meter Tachograph Special vehicle control unit Signal system operating unit control unit	15
5	-	SC5 - Fuse 5 on fuse holder	10A 15A 25A	-	J608 - J608 - J608 -	Special vehicle control unit Special vehicle control unit Special vehicle control unit	30
6	-	SC6 - Fuse 6 on fuse holder	5A 10A 15A	-	J608 - R8 - T5i -	Special vehicle control unit Two-way radio Pin connector for optional equipment	30
7	-	SC7 - Fuse 7 on fuse holder	5A 10A 25A	-	G41 - G24 - J476 -	Taxi meter Tachograph Personal danger alarm control unit	30
8	-	SC8 - Fuse 8 on fuse holder	20A 10A 15A	-	U5 - U19 - T4ag -	12 V socket 12 V socket 3 Pin connector for optional equipment	30
9	-	SC9 - Fuse 9 on fuse holder	15A	-	T5k -	Pin connector for optional equipment	30
10	-	Not assigned					
11	-	Not assigned					
12	-	Not assigned					

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1.18 Position of fuses, fuse holder, left-hand drive, from model year 2007

No.		Current Flow Diagram designation Fuse carrier ST1 (black)	Nominal value		Function/component	Terminal
1	-	SC1-Fuse 1 on fuse holder C	15 A	-	J723 - Aerial reader unit for keyless entry system	30
2	-	SC2 - Fuse 2 on fuse holder C	20 A	-	U1 - Cigarette lighter	30
3	-	SC3 - Fuse 3 on fuse holder C	5 A	-	J502 - Tyre pressure monitor control unit	30
4	-	SC4 - Fuse 4 on fuse holder C	20 A	-	U5 - 12 V socket (USA)	30
5	-	SC5 - Fuse 5 on fuse holder C	15 A	-	J520 - Onboard supply control unit 2	30
6	-	SC6 - Fuse 6 on fuse holder C	15 A	-	J387-Front passenger door control unit J389-Rear right door control unit	30
7	-	SC7 - Fuse 7 on fuse holder C	20 A	-	J245 - Sliding sunroof adjustment control unit	30
8	-	SC8 - Fuse 8 on fuse holder C	10 A	-	J255 - Climatronic control unit	30
9	-	SC9 - Fuse 9 on fuse holder C	30 A	-	J255-Climatronic control unit Z45-Front left seat heating Z46-Front right seat heating	30
10	-	SC10 - Fuse 10 on fuse holder C	10 A[1]) 5 A	-	J523 - Front information display and operating unit control unit	30
11	-	SC11 - Fuse 11 on fuse holder C	10 A	-	Seat adjustment lumbar support front passenger seat	30
12	-	SC12 - Fuse 12 on fuse holder C	5 A	-	R118 - Media player in position 1 R119 - Media player in position 2 (up to October 2006) R199 - Connection for external audio source (from November 2006)	30

[1]) MMI Basic

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No.		Current Flow Diagram designation Fuse carrier ST2 (brown)	Nominal value		Function/component	Terminal
1	-	SC1-Fuse 1 on fuse holder C	20 A 30 A	-	G23 - Fuel pump (BMK, BNG, BPP) G6 - Fuel pump (BBJ, BAT) J538 - Fuel pump control unit (AUK, BVJ, BXA, BDX)	87
2	-	SC2 - Fuse 2 on fuse holder C	15 A	-	J197 - Adaptive suspension control unit	30
3	-	SC3 - Fuse 3 on fuse holder C	10 A	-	J759 - Lane departure warning control unit	15
4	-	Not assigned				
5	-	SC5 - Fuse 5 on fuse holder C	5 A	-	J197 - Adaptive suspension control unit	15
6	-	SC6 - Fuse 6 on fuse holder C	5 A	-	J587 - Selector lever sensors control unit F47 - Brake pedal switch	15
7	-	SC7 - Fuse 7 on fuse holder C	5 A	-	J446 - Parking aid control unit	15
8	-	SC8 - Fuse 8 on fuse holder C	5 A	-	J533 - Data bus diagnostic interface	15
9	-	SC9 - Fuse 9 on fuse holder C	5 A	-	Right headlight J431-Headlight range control, control unit J745-Cornering light and headlight range control unit	15
10	-	SC10 - Fuse 10 on fuse holder C	5 A	-	J234 - Airbag control unit	15
11	-	SC11 - Fuse 11 on fuse holder C	5 A	-	E128-Heated rear left seat switch with regulator E129-Heated rear right seat switch with regulator	15
12	-	SC12 - Fuse 12 on fuse holder C	5 A	-	Preparation for mobile telephone	15



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No.		Current Flow Diagram designation Fuse carrier ST3 (red)	Nominal value		Function/component	Terminal
1	-	SC1-Fuse 1 on fuse holder C	25 A	-	J615 - Signal system operating unit control unit	30
2	-	SC2 - Fuse 2 on fuse holder C	15 A	-	J615 - Signal system operating unit control unit	30
3	-	SC3 - Fuse 3 on fuse holder C	15 A	-	J615 - Signal system operating unit control unit	30
4	-	SC4 - Fuse 4 on fuse holder C	5 A 10 A 10 A 10 A	-	G41-Taxi meter G24-Tachograph J608-Special vehicle control unit J615-Signal system operating unit control unit	15
5	-	SC5 - Fuse 5 on fuse holder C	10 A 15 A 25 A	-	J608-Special vehicle control unit J608-Special vehicle control unit J608-Special vehicle control unit	30
6	-	SC6 - Fuse 6 on fuse holder C	5 A 10 A 15 A	-	J608-Special vehicle control unit R8-Two-way radio T5i-Pin connector for optional equipment	30
7	-	SC7 - Fuse 7 on fuse holder C	5 A 10 A 15 A	-	G41-Taxi meter G24-Tachograph J476-Personal danger alarm control unit	30
8	-	SC8 - Fuse 8 on fuse holder C	20 A 10 A 15 A	-	U5-12 V socket U19-12 V socket 3 T4ag-Pin connector for optional equipment	30
9	-	SC9 - Fuse 9 on fuse holder C	15 A	-	T5k - Pin connector for optional equipment	30
10	-	Not assigned				
11	-	Not assigned				
12	-	Not assigned				

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1.19 Position of fuses, fuse holder, left-hand drive, from model year 2009

No.		Current Flow Diagram designation Fuse carrier ST1 (black)	Nominal value		Function/component	Terminal
1	-	SC1-Fuse 1 on fuse holder C	15 A	-	J723 - Aerial reader unit for keyless entry system	30
2	-	SC2 - Fuse 2 on fuse holder C	20 A	-	U1 - Cigarette lighter	30
3	-	SC3 - Fuse 3 on fuse holder C	5 A	-	J502 - Tyre pressure monitor control unit	30
4	-	SC4 - Fuse 4 on fuse holder C	20 A	-	U5 - 12 V socket (USA)	30
5	-	SC5 - Fuse 5 on fuse holder C	15 A	-	J520 - Onboard supply control unit 2	30
6	-	SC6 - Fuse 6 on fuse holder C	15 A	-	J387-Front passenger door control unit J389-Rear right door control unit	30
7	-	SC7 - Fuse 7 on fuse holder C	20 A	-	J245 - Sliding sunroof adjustment control unit	30
8	-	SC8 - Fuse 8 on fuse holder C	10 A	-	J255 - Climatronic control unit	30
9	-	SC9 - Fuse 9 on fuse holder C	30 A	-	J255-Climatronic control unit Z45-Front left seat heating Z46-Front right seat heating	30
10	-	SC10 - Fuse 10 on fuse holder C	7.5 A	-	J794 - Control unit for information electronics 1	30
11	-	SC11 - Fuse 11 on fuse holder C	10 A	-	Seat adjustment lumbar support front passenger seat	30
12	-	SC12 - Fuse 12 on fuse holder C	5 A	-	R7 - DVD player R41 - CD changer	30

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No.		Current Flow Diagram designation Fuse carrier ST2 (brown)	Nominal value		Function/component	Terminal
1	-	SC1-Fuse 1 on fuse holder C	20 A 30 A	-	G23 - Fuel pump G6 - Fuel pump J538 - Fuel pump control unit	87
2	-	SC2 - Fuse 2 on fuse holder C	15 A	-	J197 - Adaptive suspension control unit	30
3	-	SC3 - Fuse 3 on fuse holder C	10 A	-	J759 - Lane departure warning control unit	15
4	-	SC4 - Fuse 4 on fuse holder C	5 A	-	J769 - Lane change assist control unit	15
5	-	SC5 - Fuse 5 on fuse holder C	5 A	-	J197 - Adaptive suspension control unit	15
6	-	SC6 - Fuse 6 on fuse holder C	5 A	-	J587 - Selector lever sensors control unit F47 - Brake pedal switch	15
7	-	SC7 - Fuse 7 on fuse holder C	5 A	-	J446 - Parking aid control unit	15
8	-	SC8 - Fuse 8 on fuse holder C	5 A	-	J533 - Data bus diagnostic interface	15
9	-	SC9 - Fuse 9 on fuse holder C	5 A	-	Right headlight J431-Headlight range control, control unit J745-Cornering light and headlight range control unit	15
10	-	SC10 - Fuse 10 on fuse holder C	5 A	-	J234 - Airbag control unit	15
11	-	SC11 - Fuse 11 on fuse holder C	5 A	-	E128-Heated rear left seat switch with regulator E129-Heated rear right seat switch with regulator	15
12	-	SC12 - Fuse 12 on fuse holder C	5 A	-	Preparation for mobile telephone	15

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No.		Current Flow Diagram designation Fuse carrier ST3 (red)	Nominal value		Function/component	Terminal
1	-	SC1-Fuse 1 on fuse holder C	25 A	-	J615 - Signal system operating unit control unit	30
2	-	SC2 - Fuse 2 on fuse holder C	15 A	-	J615 - Signal system operating unit control unit	30
3	-	SC3 - Fuse 3 on fuse holder C	15 A	-	J615 - Signal system operating unit control unit	30
4	-	SC4 - Fuse 4 on fuse holder C	5 A 10 A 10 A 10 A	-	G41-Taxi meter G24-Tachograph J608-Special vehicle control unit J615-Signal system operating unit control unit	15
5	-	SC5 - Fuse 5 on fuse holder C	10 A 15 A 25 A	-	J608-Special vehicle control unit J608-Special vehicle control unit J608-Special vehicle control unit	30
6	-	SC6 - Fuse 6 on fuse holder C	5 A 10 A 15 A	-	J608-Special vehicle control unit R8-Two-way radio T5i-Pin connector for optional equipment	30
7	-	SC7 - Fuse 7 on fuse holder C	5 A 10 A 15 A	-	G41-Taxi meter G24-Tachograph J476-Personal danger alarm control unit	30
8	-	SC8 - Fuse 8 on fuse holder C	20 A 10 A 15 A	-	U5-12 V socket U19-12 V socket 3 T4ag-Pin connector for optional equipment	30
9	-	SC9 - Fuse 9 on fuse holder C	15 A	-	T5k - Pin connector for optional equipment	30
10	-	Not assigned				
11	-	Not assigned				
12	-	Not assigned				

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1.20 Location of fuses (SC), left dash panel, right-hand drive

1.20.1 Fuse colours

40 A - orange

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - beige

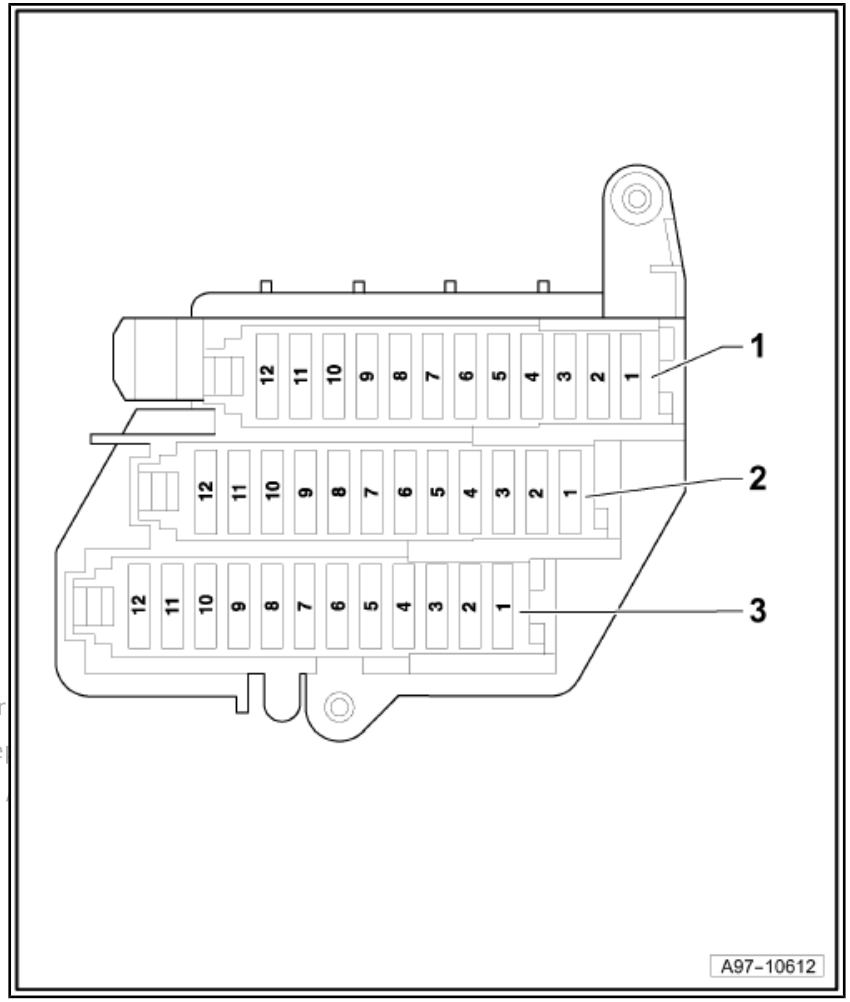
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3 A - purple

1 - Fuse carrier ST1 (black)

2 - Fuse carrier ST2 (brown)

3 - Fuse carrier ST3 (red)



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1.21 Position of fuses, fuse holder, right-hand drive, from model year 2007

No.		Current Flow Diagram designation Fuse carrier ST1 (black)	Nominal value		Function/component	Terminal
1	-	Not assigned				
2	-	SC2 - Fuse 2 on fuse holder C	15 A	-	J723 - Aerial reader unit for keyless entry system	30
3	-	SC3 - Fuse 3 on fuse holder C	5 A	-	J502 - Tyre pressure monitor control unit	30
4	-	SC4 - Fuse 4 on fuse holder C	10 A	-	Seat adjustment lumbar support front passenger seat	30
5	-	SC5 - Fuse 5 on fuse holder C	15 A	-	J520 - Onboard supply control unit 2	30
6	-	SC6 - Fuse 6 on fuse holder C	15 A	-	J387-Front passenger door control unit J389-Rear right door control unit	30
7	-	SC7 - Fuse 7 on fuse holder C	20 A	-	J245 - Sliding sunroof adjustment control unit	30
8	-	SC8 - Fuse 8 on fuse holder C	35 A	-	V26-Rear left window regulator motor V147-Driver side window regulator motor	30
9	-	Not assigned				
10	-	SC10 - Fuse 10 on fuse holder C	10 A[1]) 5 A	-	J523 - Front information display and operating unit control unit	30
11	-	SC11 - Fuse 11 on fuse holder C	15 A	-	J197 - Adaptive suspension control unit	30
12	-	SC12 - Fuse 12 on fuse holder C	5 A	-	R118 - Media player in position 1 R119 - Media player in position 2 (up to October 2006) R199 - Connection for external audio source (from November 2006)	30

[1]) MMI Basic

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No.		Current Flow Diagram designation Fuse carrier ST2 (brown)	Nominal value		Function/component	Terminal
1	-	SC1-Fuse 1 on fuse holder C	20 A 30 A	-	G23 - Fuel pump (BMK, BNG) G6 - Fuel pump (BBJ, BAT) J538 - Fuel pump control unit (AUK, BVJ, BXA, BDX)	87
2	-	Not assigned				
3	-	SC3 - Fuse 3 on fuse holder C	5 A	-	J530 - Garage door operation control unit	15
4	-	SC4 - Fuse 4 on fuse holder C	5 A	-	J428 - Adaptive cruise control unit	15
5	-	SC5 - Fuse 5 on fuse holder C	5 A	-	J197 - Adaptive suspension control unit	15
6	-	SC6 - Fuse 6 on fuse holder C	5 A	-	J623 - Engine control unit	15
7	-	SC7 - Fuse 7 on fuse holder C	5 A	-	G226 - Oil level and oil temperature sender	15
8	-	SC8 - Fuse 8 on fuse holder C	5 A	-	J533 - Data bus diagnostic interface	15
9	-	SC9 - Fuse 9 on fuse holder C	5 A	-	Left headlight J431-Headlight range control, control unit J745-Cornering light and headlight range control unit	15
10	-	SC10 - Fuse 10 on fuse holder C	5 A	-	J104-ABS control unit G476-Clutch position sender	15
11	-	SC11 - Fuse 11 on fuse holder C	5 A	-	Y7 - Automatic anti-dazzle interior mirror	15
12	-	SC12 - Fuse 12 on fuse holder C	15 A	-	F4 - Reversing light switch G70 - Air mass meter J217 - Automatic gearbox control unit	15

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No.		Current Flow Diagram designation Fuse carrier ST3 (red)	Nominal value		Function/component	Terminal
1	-	Not assigned				
2	-	SC2 - Fuse 2 on fuse holder C	5 A	-	G397 - Rain and light detector sensor	30
3	-	SC3 - Fuse 3 on fuse holder C	20 A	-	J364-Auxiliary heater control unit	30
4	-	SC4 - Fuse 4 on fuse holder C	5 A	-	R64 - Remote control receiver for auxiliary heating	30
5	-	SC5 - Fuse 5 on fuse holder C	30 A	-	J39 - Headlight washer system relay	30
6	-	SC6 - Fuse 6 on fuse holder C	25 A	-	J608 - Special vehicle control unit	30
7	-	SC7 - Fuse 7 on fuse holder C	10 A	-	R36 - Telephone transmitter and receiver unit	30
8	-	SC8 - Fuse 8 on fuse holder C	25 A	-	J4-Dual tone horn relay H2-Treble tone horn H7-Bass tone horn	30
9	-	SC9 - Fuse 9 on fuse holder C	15 A	-	J476 - Personal danger alarm control unit	30
10	-	SC10 - Fuse 10 on fuse holder C	15 A	-	T4ag - Pin connector for optional equipment	30
11	-	Not assigned				
12	-	Not assigned				

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1.22 Position of fuses, fuse holder, right-hand drive, from model year 2009

No.		Current Flow Diagram designation Fuse carrier ST1 (black)	Nominal value		Function/component	Terminal
1	-	Not assigned				
2	-	SC2 - Fuse 2 on fuse holder C	15 A	-	J723 - Aerial reader unit for keyless entry system	30
3	-	SC3 - Fuse 3 on fuse holder C	5 A	-	J502 - Tyre pressure monitor control unit	30
4	-	SC4 - Fuse 4 on fuse holder C	10 A	-	Seat adjustment lumbar support front passenger seat	30
5	-	SC5 - Fuse 5 on fuse holder C	15 A	-	J520 - Onboard supply control unit 2	30
6	-	SC6 - Fuse 6 on fuse holder C	15 A	-	J387-Front passenger door control unit J389-Rear right door control unit	30
7	-	SC7 - Fuse 7 on fuse holder C	20 A	-	J245 - Sliding sunroof adjustment control unit	30
8	-	SC8 - Fuse 8 on fuse holder C	35 A	-	V26-Rear left window regulator motor V147-Driver side window regulator motor	30
9	-	Not assigned				
10	-	SC10 - Fuse 10 on fuse holder C	7.5 A	-	J794 - Control unit for information electronics 1	30
11	-	SC11 - Fuse 11 on fuse holder C	15 A	-	J197 - Adaptive suspension control unit	30
12	-	SC12 - Fuse 12 on fuse holder C	5 A	-	R7 - DVD player R41 - CD changer	30

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No.		Current Flow Diagram designation Fuse carrier ST2 (brown)	Nominal value		Function/component	Terminal
1	-	SC1-Fuse 1 on fuse holder C	20 A 30 A	-	G23 - Fuel pump G6 - Fuel pump J538 - Fuel pump control unit	87
2	-	SC2 - Fuse 2 on fuse holder C	5 A	-	J769 - Lane change assist control unit	15
3	-	SC3 - Fuse 3 on fuse holder C	5 A	-	J530 - Garage door operation control unit	15
4	-	SC4 - Fuse 4 on fuse holder C	5 A	-	J428 - Adaptive cruise control unit	15
5	-	SC5 - Fuse 5 on fuse holder C	5 A	-	J197 - Adaptive suspension control unit	15
6	-	SC6 - Fuse 6 on fuse holder C	5 A	-	J623 - Engine control unit	15
7	-	SC7 - Fuse 7 on fuse holder C	5 A	-	G226 - Oil level and oil temperature sender	15
8	-	SC8 - Fuse 8 on fuse holder C	5 A	-	J533 - Data bus diagnostic interface	15
9	-	SC9 - Fuse 9 on fuse holder C	5 A	-	Left headlight J431-Headlight range control, control unit J745-Cornering light and headlight range control unit	15
10	-	SC10 - Fuse 10 on fuse holder C	5 A	-	J104-ABS control unit G476-Clutch position sender	15
11	-	SC11 - Fuse 11 on fuse holder C	5 A	-	Y7 - Automatic anti-dazzle interior mirror	15
12	-	SC12 - Fuse 12 on fuse holder C	15 A	-	F4 - Reversing light switch G70 - Air mass meter J217 - Automatic gearbox control unit	15

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No.		Current Flow Diagram designation Fuse carrier ST3 (red)	Nominal value		Function/component	Terminal
1	-	Not assigned				
2	-	SC2 - Fuse 2 on fuse holder C	5 A	-	G397 - Rain and light detector sensor	30
3	-	SC3 - Fuse 3 on fuse holder C	20 A	-	J364-Auxiliary heater control unit	30
4	-	SC4 - Fuse 4 on fuse holder C	5 A	-	R64 - Remote control receiver for auxiliary heating	30
5	-	SC5 - Fuse 5 on fuse holder C	30 A	-	J39 - Headlight washer system relay	30
6	-	SC6 - Fuse 6 on fuse holder C	25 A	-	J608 - Special vehicle control unit	30
7	-	SC7 - Fuse 7 on fuse holder C	5 A	-	J794 - Control unit 1 for information electronics R127 - Telephone bracket	30
8	-	SC8 - Fuse 8 on fuse holder C	25 A	-	J4-Dual tone horn relay H2-Treble tone horn H7-Bass tone horn	30
9	-	SC9 - Fuse 9 on fuse holder C	15 A	-	J476 - Personal danger alarm control unit	30
10	-	SC10 - Fuse 10 on fuse holder C	15 A	-	T4ag - Pin connector for optional equipment	30
11	-	Not assigned				
12	-	Not assigned				

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1.23 Location of fuses (SF) on right in luggage compartment

1.23.1 Fuse colours

40 A - orange

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

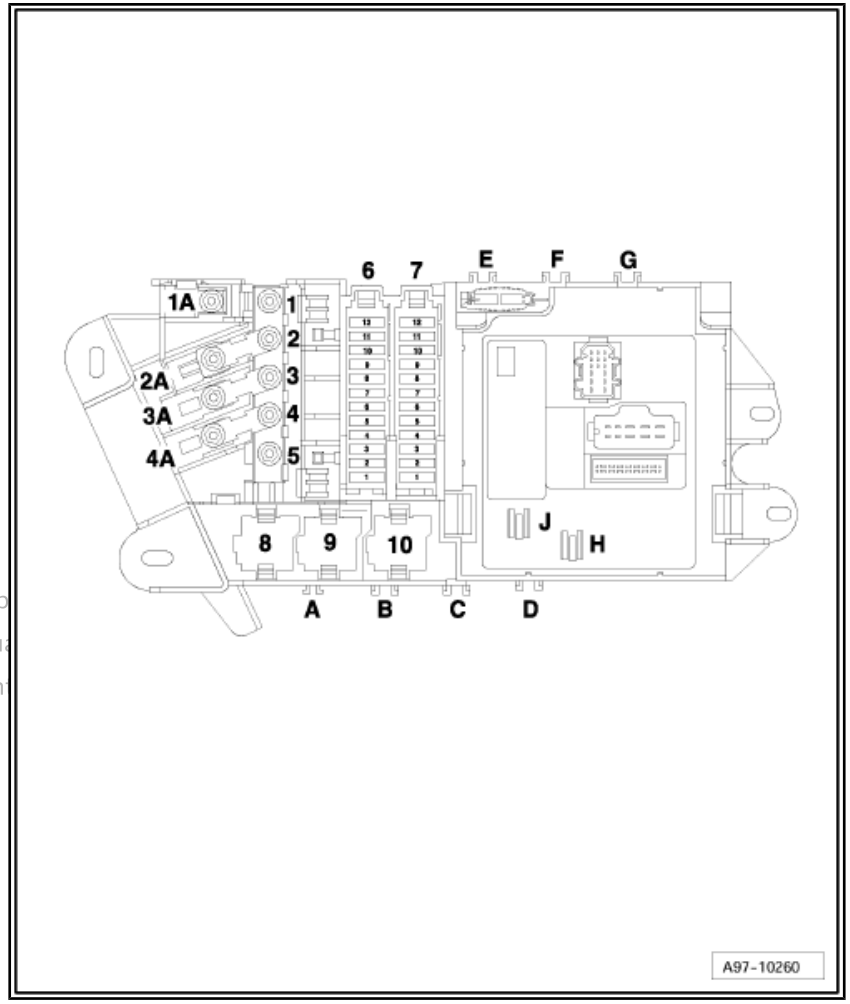
5 A - beige

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3 A - purple

6 - Fuse carrier ST1 (black)

7 - Fuse carrier ST2 (brown)



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1.24 Position of fuses, fuse holder, from model year 2005

No.		Current Flow Diagram designation Fuse carrier ST1 (black)	Nominal value		Function/component		Terminal
1	-	SF1 - Fuse 1 on fuse holder	20A	-	J749 -	Fuel pump relay for auxiliary heater	30
2	-	Not assigned					
3	-	SF3 - Fuse 3 on fuse holder	30A	-	J540 -	Electric park and handbrake control unit	30
4	-	SF4 - Fuse 4 on fuse holder	30A	-	J540	Electric park and handbrake control unit	30
5	-	SF5 - Fuse 5 on fuse holder	20A	-	U18 -	12 V socket 2	30
6	-	SF6 - Fuse 6 on fuse holder	5A	-	J644 -	Energy management control unit	30
7	-	SF7 - Fuse 7 on fuse holder	20A	-	J393 -	Convenience system central control unit	30
8	-	SF8 - Fuse 8 on fuse holder	5A	-	J529 -	Anti-theft and tilt system control unit	30
9	-	SF9 - Fuse 9 on fuse holder	30A	-	J393 -	Convenience system central control unit	30
10	-	SF10 - Fuse 10 on fuse holder	35A	-	V27 - V148 -	Rear right window regulator motor[1]) Front passenger side window regulator motor[1])	30
11	-	SF11 - Fuse 11 on fuse holder	10A 20A	-	J446 - U1 -	Parking aid control unit Cigarette lighter (right-hand drive)	30
12	-	SF12 - Fuse 12 on fuse holder	20A	-	U9 -	Rear cigarette lighter	30

[1]) from November 2005

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No.		Current Flow Diagram designation Fuse carrier ST2 (brown)	Nominal value		Function/component		Terminal
1	-	Not assigned					
2	-	SF2 - Fuse 2 on fuse holder	30A	-	J605 -	Rear lid control unit	30
3	-	SF3 - Fuse 3 on fuse holder	30A	-	J756 -	Rear lid control unit 2	30
4	-	SF4 - Fuse 4 on fuse holder	20A	-	J657 -	Power latching control unit	30
5	-	SF5 - Fuse 5 on fuse holder	5A	-	R -	Radio	30
6	-	SF6 - Fuse 6 on fuse holder	5A	-	R78 -	TV tuner	30
7	-	SF7 - Fuse 7 on fuse holder	5A	-	J401 -	Navigation system with CD drive control unit	30
8	-	SF8 - Fuse 8 on fuse holder	30A	-	J525 -	Digital sound package control unit	30
9	-	SF9 - Fuse 9 on fuse holder	5A	-	R147 -	Digital radio	30
10	-	SF10 - Fuse 10 on fuse holder	15A	-	J345 -	Trailer detector control unit	30
11	-	SF11 - Fuse 11 on fuse holder	15A	-	J345 -	Trailer detector control unit	30
12	-	SF12 - Fuse 12 on fuse holder	15A	-	J345 -	Trailer detector control unit	30



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1.25 Position of fuses, fuse holder, from model year 2007

No.		Current Flow Diagram designation Fuse carrier ST1 (black)	Nominal value		Function/component	Terminal
1	-	SF1 - Fuse 1 on fuse holder F	30 A	-	J525 - Digital sound package control unit	30
2	-	SF2 - Fuse 2 on fuse holder F	5 A	-	R-Radio R24-Aerial amplifier	30
3	-	SF3 - Fuse 3 on fuse holder F	30 A	-	J540 - Electric park and handbrake control unit	30
4	-	SF4 - Fuse 4 on fuse holder F	30 A	-	J540 - Electric park and handbrake control unit	30
5	-	SF5 - Fuse 5 on fuse holder F	20 A	-	U18 - 12 V socket -2-	30
6	-	SF6 - Fuse 6 on fuse holder F	5 A	-	J644 - Energy management control unit	30
7	-	SF7 - Fuse 7 on fuse holder F	20 A	-	J393 - Convenience system central control unit	30
8	-	SF8 - Fuse 8 on fuse holder F	5 A	-	J401 - Navigation system with CD drive control unit	30
9	-	SF9 - Fuse 9 on fuse holder F	30 A	-	J393 - Convenience system central control unit	30
10	-	SF10 - Fuse 10 on fuse holder F	35 A	-	V27-Rear right window regulator motor V148-Front passenger side window regulator motor	30
11	-	SF11 - Fuse 11 on fuse holder F	10 A 5 A[1]) 20 A	-	J446 - Parking aid control unit U1 - Cigarette lighter (right-hand drive only)	30
12	-	SF12 - Fuse 12 on fuse holder F	20 A	-	U9 - Rear cigarette lighter	30

[1]) from June 2007

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No.		Current Flow Diagram designation Fuse carrier ST2 (brown)	Nominal value		Function/component	Terminal
1	-	SF1 - Fuse 1 on fuse holder F	5 A	-	J772 - Reversing camera system control unit	30
2	-	SF2 - Fuse 2 on fuse holder F	30 A	-	J605 - Rear lid control unit	30
3	-	SF3 - Fuse 3 on fuse holder F	30 A	-	J756 - Rear lid control unit 2	30
4	-	SF4 - Fuse 4 on fuse holder F	20 A	-	J657 - Power latching control unit	30
5	-	Not assigned				
6	-	SF6 - Fuse 6 on fuse holder F	5 A	-	R78 - TV tuner	30
7	-	SF7 - Fuse 7 on fuse holder F	5 A	-	J393 - Convenience system central control unit	30
8	-	SF8 - Fuse 8 on fuse holder F	20 A	-	J749 - Fuel pump relay for auxiliary heater	30
9	-	SF9 - Fuse 9 on fuse holder F	5 A	-	R147 - Digital radio	30
10	-	SF10 - Fuse 10 on fuse holder F	15 A	-	J345 - Trailer detector control unit	30
11	-	SF11 - Fuse 11 on fuse holder F	15 A	-	J345 - Trailer detector control unit	30
12	-	SF12 - Fuse 12 on fuse holder F	15 A	-	J345 - Trailer detector control unit	30

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1.26 Position of fuses, fuse holder, from model year 2009

No.		Current Flow Diagram designation Fuse carrier ST1 (black)	Nominal value		Function/component	Terminal
1	-	SF1 - Fuse 1 on fuse holder F	30 A	-	-J525- Digital sound package control unit R - Radio²)	30
2	-	SF2 - Fuse 2 on fuse holder F	5 A	-	R - Radio¹)	30
3	-	SF3 - Fuse 3 on fuse holder F	30 A	-	J540 - Electric park and handbrake control unit	30
4	-	SF4 - Fuse 4 on fuse holder F	30 A	-	J540 - Electric park and handbrake control unit	30
5	-	SF5 - Fuse 5 on fuse holder F	20 A	-	U18 - 12 V socket -2-	30
6	-	SF6 - Fuse 6 on fuse holder F	5 A	-	J644 - Energy management control unit	30
7	-	SF7 - Fuse 7 on fuse holder F	20 A	-	J393 - Convenience system central control unit	30
8	-	SF8 - Fuse 8 on fuse holder F	5 A	-	G273- Interior monitoring sensor H12- Alarm horn	30
9	-	SF9 - Fuse 9 on fuse holder F	30 A	-	J393 - Convenience system central control unit	30
10	-	SF10 - Fuse 10 on fuse holder F	35 A	-	V27-Rear right window regulator motor V148-Front passenger side window regulator motor	30
11	-	SF11 - Fuse 11 on fuse holder F	5 A 20 A	-	J446 - Parking aid control unit U1 - Cigarette lighter (right-hand drive only)	30
12	-	SF12 - Fuse 12 on fuse holder F	20 A	-	U9 - Rear cigarette lighter	30

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¹) models with BOSE soundsystem

²) models with soundsystem standard

No.		Current Flow Diagram designation Fuse carrier ST2 (brown)	Nominal value		Function/component	Terminal
1	-	SF1 - Fuse 1 on fuse holder F	5 A	-	J772 - Reversing camera system control unit	30
2	-	SF2 - Fuse 2 on fuse holder F	30 A	-	J605 - Rear lid control unit	30
3	-	SF3 - Fuse 3 on fuse holder F	30 A	-	J756 - Rear lid control unit 2	30
4	-	SF4 - Fuse 4 on fuse holder F	20 A	-	J657 - Power latching control unit	30
5	-	SF5 - Fuse 5 on fuse holder F	5 A	-	Interface for special functions	30
6	-	SF6 - Fuse 6 on fuse holder F	5 A	-	R78 - TV tuner	30
7	-	SF7 - Fuse 7 on fuse holder F	5 A	-	J393 - Convenience system central control unit	30
8	-	SF8 - Fuse 8 on fuse holder F	20 A	-	J749 - Fuel pump relay for auxiliary heater	30
9	-	Not assigned				
10	-	SF10 - Fuse 10 on fuse holder F	15 A	-	J345 - Trailer detector control unit	30
11	-	SF11 - Fuse 11 on fuse holder F	20 A	-	J345 - Trailer detector control unit	30
12	-	SF12 - Fuse 12 on fuse holder F	20 A	-	J345 - Trailer detector control unit	30

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1.27 Fuses behind driver's storage compartment

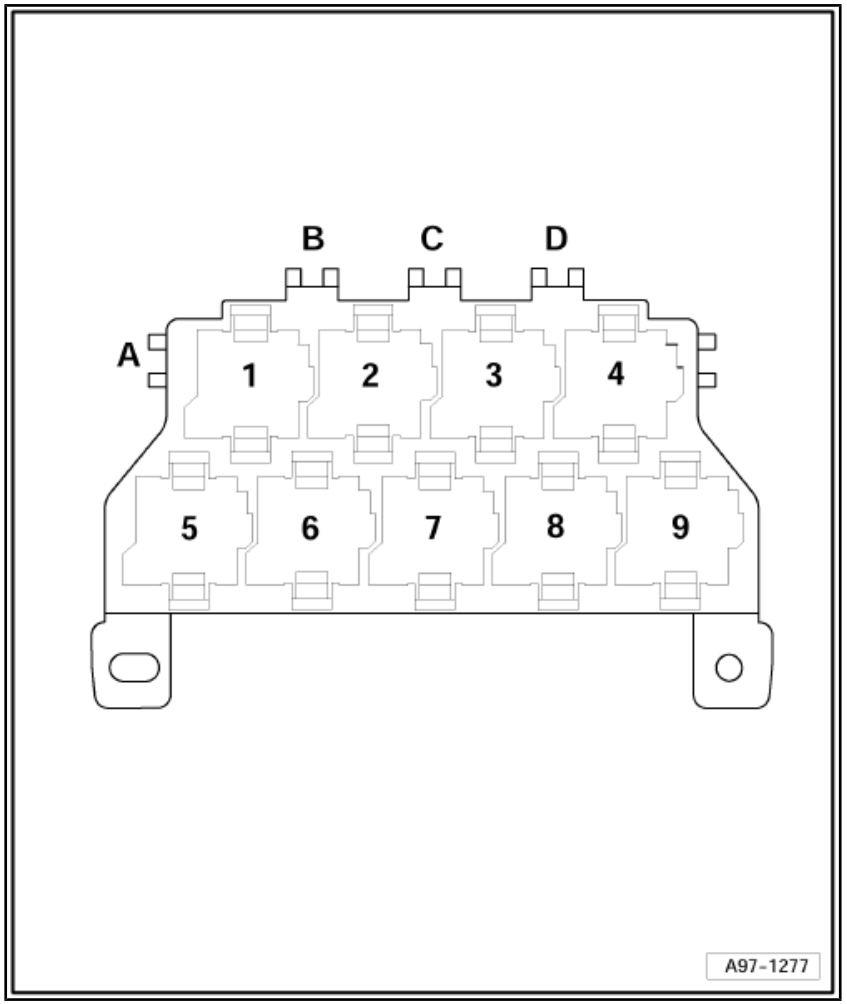
1.27.1 Position of fuses, fuse holder, from model year 2005

A - ABS control unit fuse 1 - S123 (40 A)

B - Not assigned

C - Not assigned

D - Not assigned



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1.27.2 Position of fuses, fuse holder, left-hand drive, from model year 2007

A - ABS control unit fuse 1 -S123- (40 A)

B - Not assigned

C - Driver seat adjustment thermal fuse 1 -S44- (30 A)

D - Vacant (up to August 2008)

- Communications fuse -S254- (5 A) (from September 2008)

E - Not assigned

Position of fuses, fuse holder, right-hand drive, from model year 2007

A - Not assigned

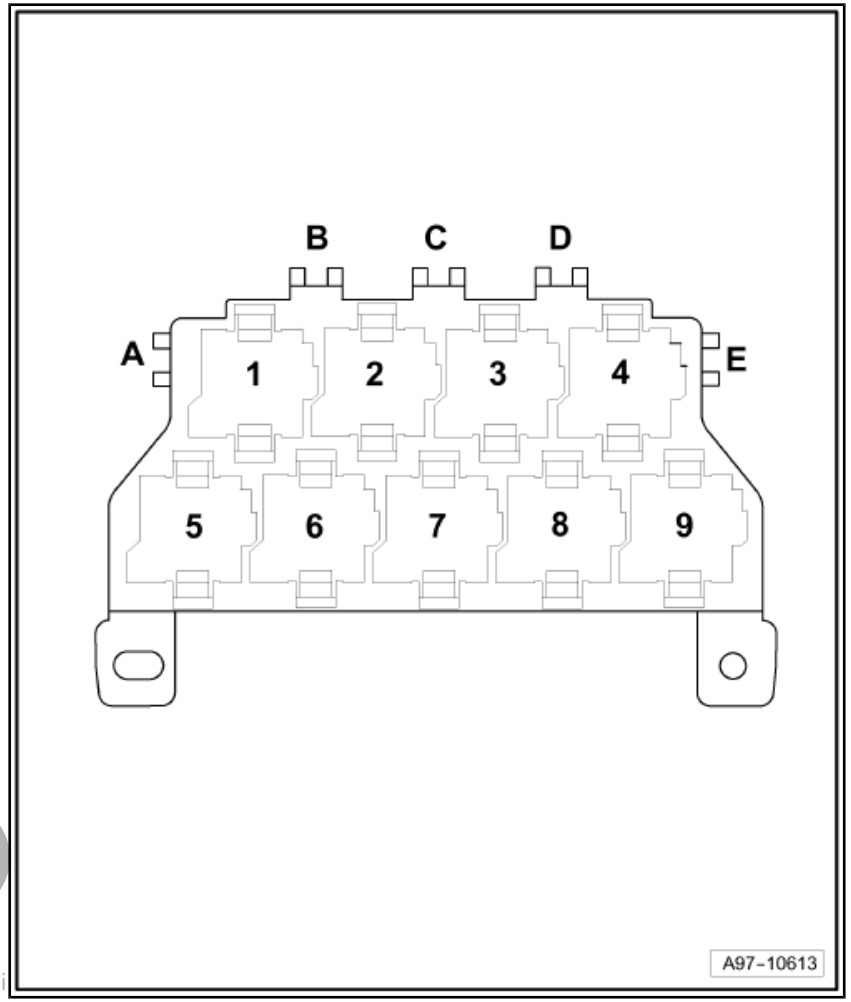
B - Vacant (up to August 2008)

- Communications fuse -S254- (5 A) (from September 2008)

C - Driver seat adjustment thermal fuse 1 -S44- (30 A)

D - Not assigned

E - ABS control unit fuse 1 -S123- (40 A)



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1.28 Fuses on onboard supply control unit -J519-

1.28.1 Position of fuses, fuse holder

1 - Not assigned

2 - Window regulator single fuse 2 -S280- (30A)

- ❑ up to October 2005

2 -
Heater element fuse 1 -S276- (40 A)

- ❑ from June 2007

3 - Driver seat adjustment thermal fuse 1 -S44- (30A), driver seat adjustment fuse 1 -S44- (only lumbar support 10A)

- ❑ is dropped, from model year 2007
- ❑ for models from model year 2007 ⇒ page 63

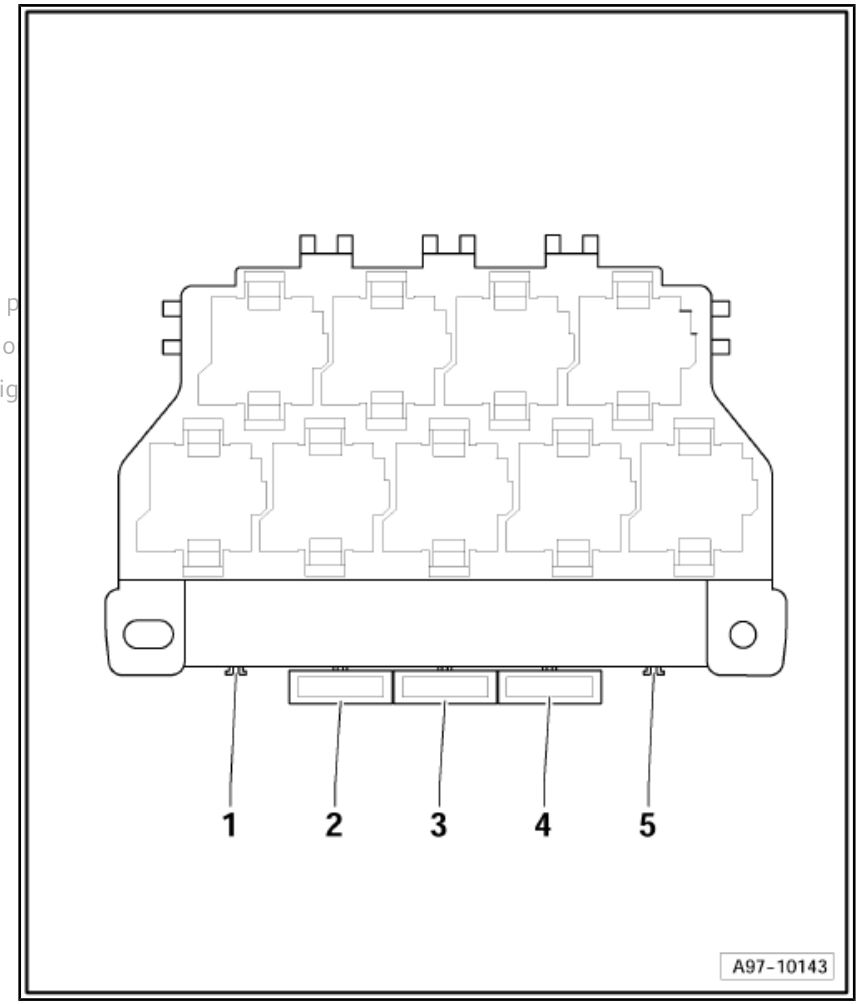
4 - Window regulator single fuse -S37- (30A)

- ❑ up to October 2005

5 -
Heater element fuse 2 -S277- (50 A)

- ❑ from June 2007

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1.29 Fuses in electronics box, right in plenum chamber

1.29.1 Position of fuses, fuse holder, from model year 2005

A - Not assigned

B - Glow plug fuse -S125- (80A), secondary air pump fuse -S130- (50A)

C - Levelling system fuse -S110- (40A)

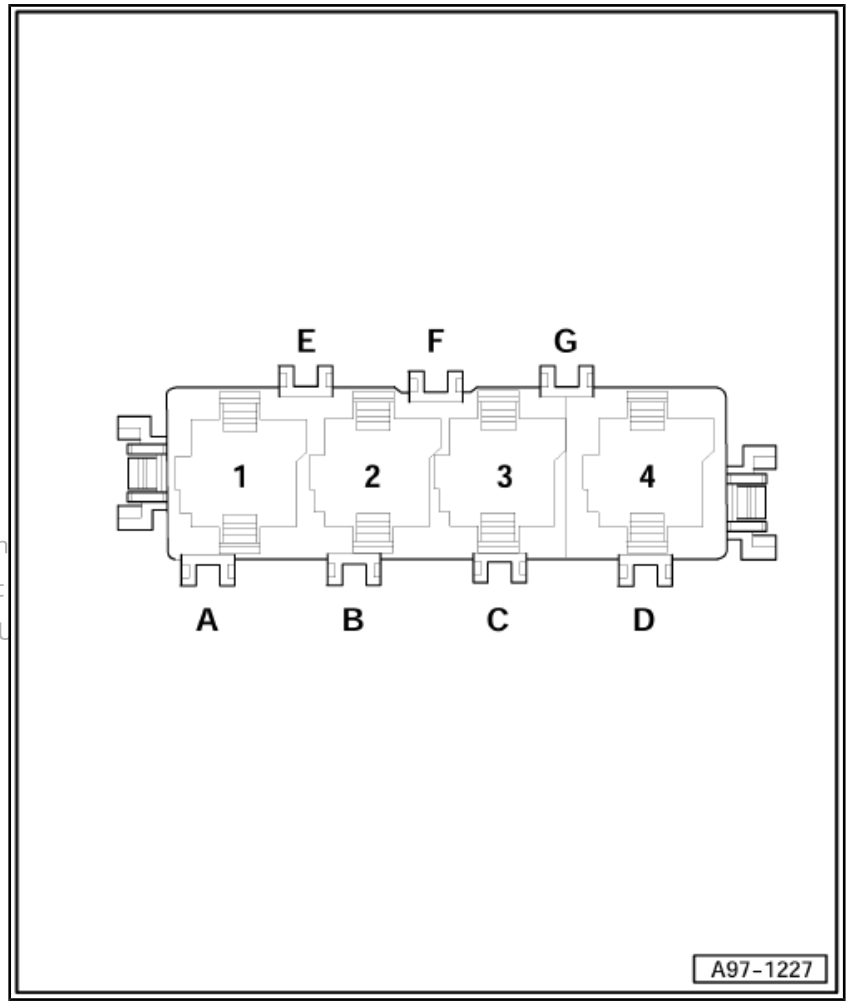
D - Glow plug fuse 2 -S189- (80A), radiator fan fuse for 3rd speed -S94- (15A) (BGS)

E - Not assigned

F - Not assigned

G - Not assigned

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1.29.2 Position of fuses, fuse holder, left-hand drive, from model year 2007

A - Not assigned

B - Glow plug fuse -S125- (80A), secondary air pump fuse -S130- (50A)

C - Levelling system fuse -S110- (40A)

C - Radiator fan fuse for 3rd speed -S94- (30A) (5.0 l-engine BUH)

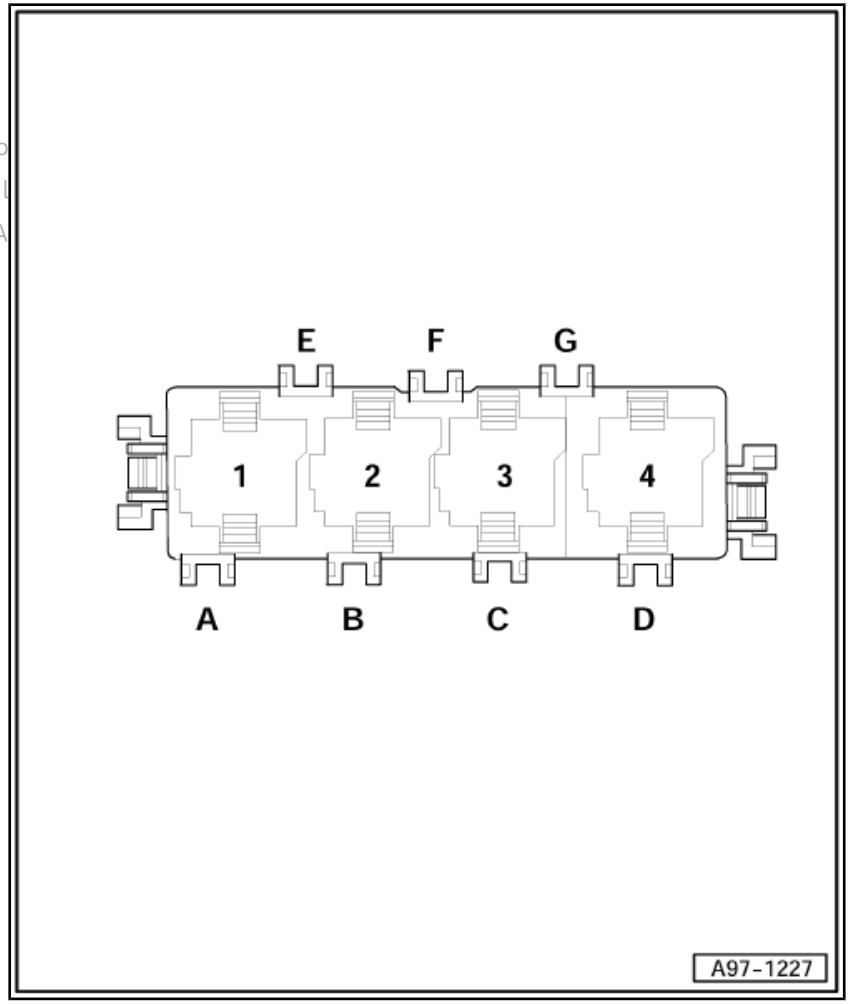
D - Glow plug fuse 2 -S189- (80 A)

E - Not assigned

F - Not assigned

G - Not assigned

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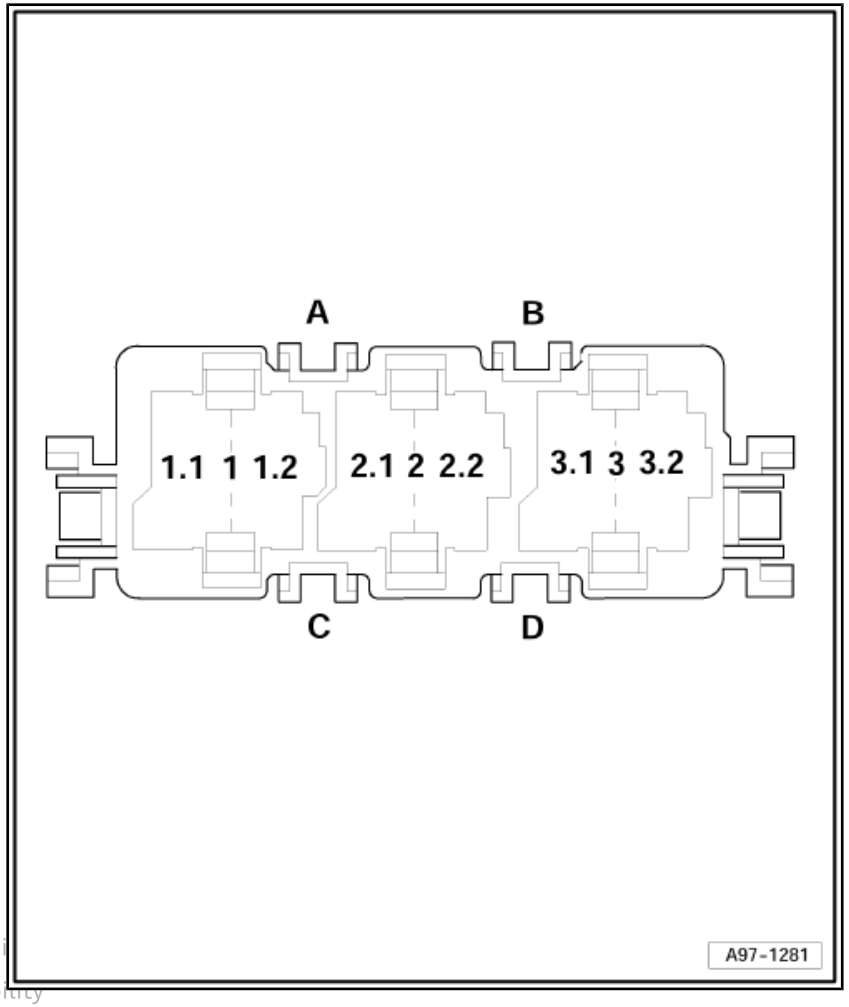
1.29.3 Position of fuses, fuse holder, right-hand drive, from model year 2007

A - Not assigned

B - Glow plug fuse -S125- (80A), secondary air pump fuse -S130- (50A)

C - Levelling system fuse -S110- (40 A), radiator fan fuse for 3rd speed -S94- (30 A)

D - Glow plug fuse 2 -S189- (80 A)



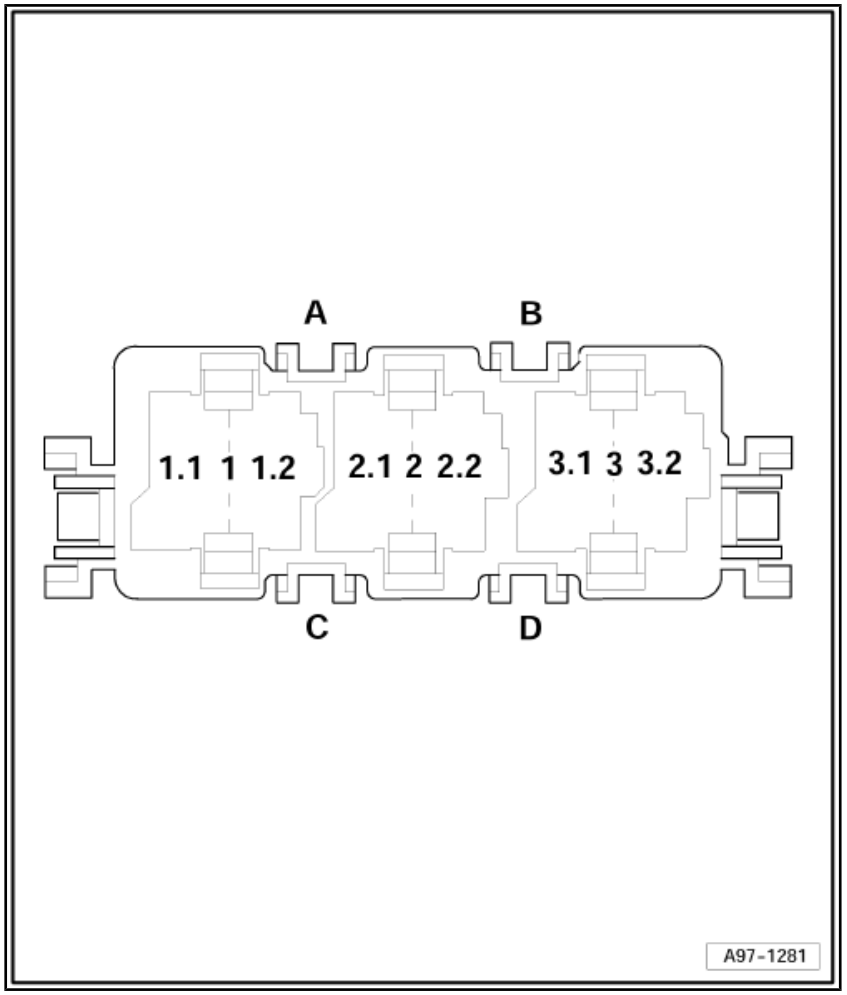
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1.30 Fuses in electronics box, left in plenum chamber

1.30.1 Position of fuses, fuse holder, left-hand drive, from model year 2007

A - Not assigned
B - Not assigned
C - Not assigned
D - Not assigned

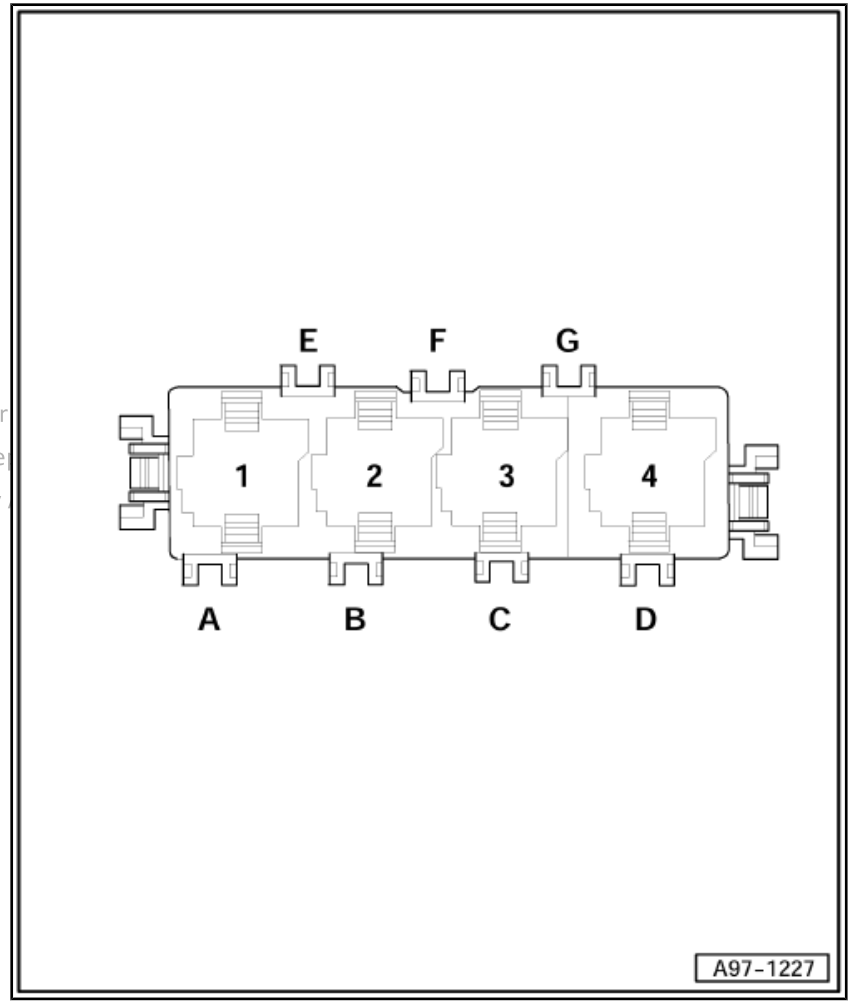
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1.30.2 Position of fuses, fuse holder, right-hand drive, from model year 2007

A - Not assigned
B - Not assigned
C - Not assigned
D - Not assigned
E - Not assigned
F - Not assigned
G - Not assigned

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1.31 Fuses, on right in luggage compartment

1.31.1 Position of fuses, fuse holder, from model year 2005

1 - Connection for wire to fuse carrier ST1 and ST2

1A - Fuse -S131- vacant

2A - Fuse -S132- (Strip fuse 150A)

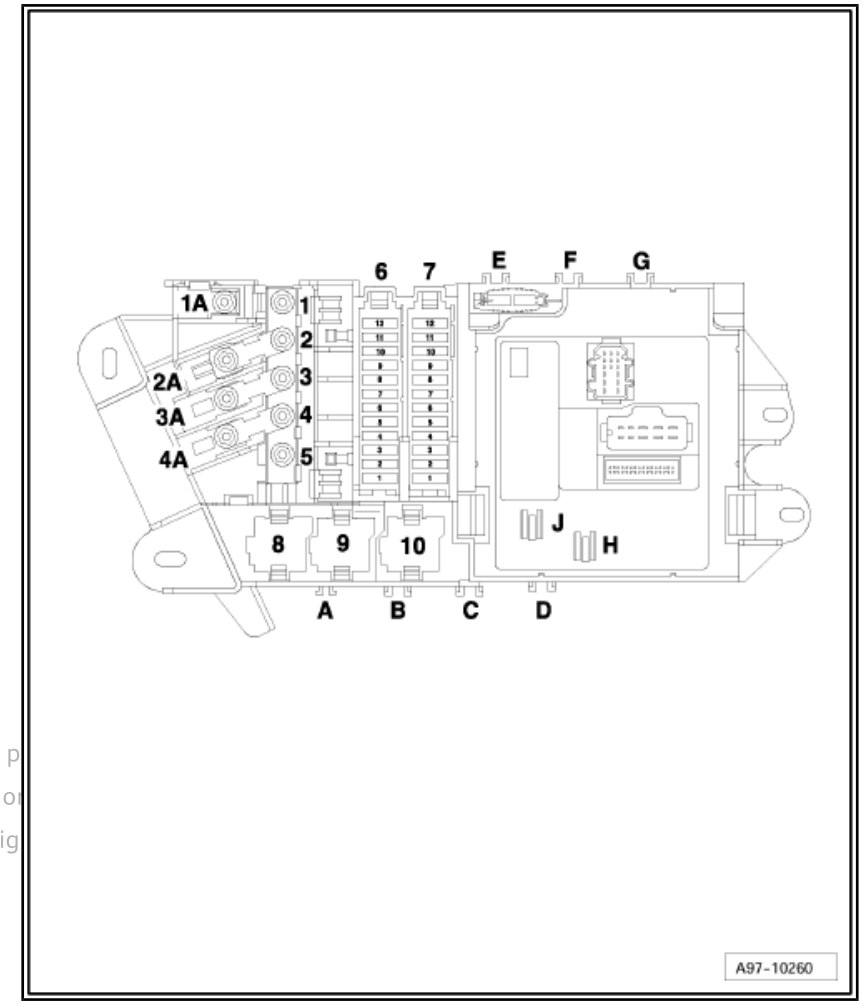
3A - Fuse -S133- (strip fuse 80A, only council vehicles), fuse -S133- (strip fuse 40A, only driving school vehicles and taxi)

4A - Fuse -S134- vacant

5 - Connection for wire from battery +

6 - Fuse carrier ST1 (black)

7 - Fuse carrier ST2 (brown)



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B - Not assigned

C - Heated rear window single fuse - S41 (40A) (up to October 2005)

D - Not assigned

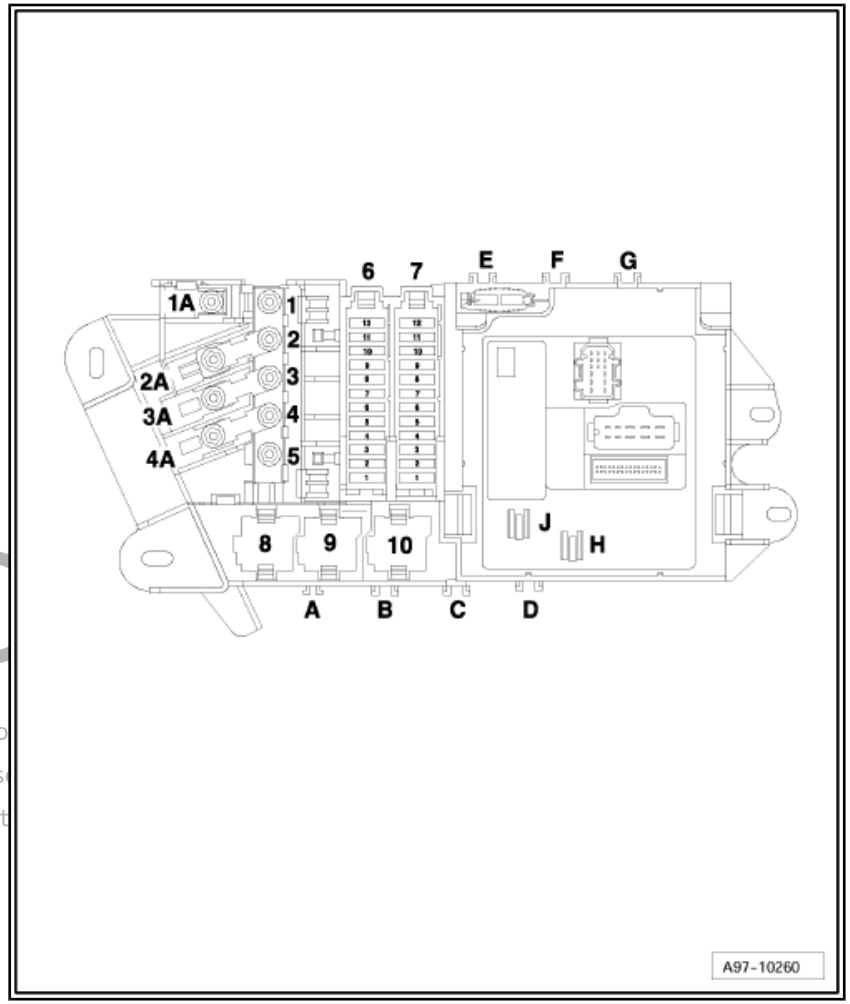
E - Not assigned

F - Not assigned

G - Not assigned

H - Heated rear window single fuse - S41 (40A) (from November 2005)

J - Not assigned



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1.31.2 Position of fuses, fuse holder, from model year 2007

4 - Fuse carrier ST1 (black)

5 - Fuse carrier ST2 (brown)

A - Not assigned

B - Personal danger alarm control unit -J476- (15 A) right-hand drive only

C - Not assigned

D - Signal system operating unit control unit -J615- (25 A) right-hand drive only

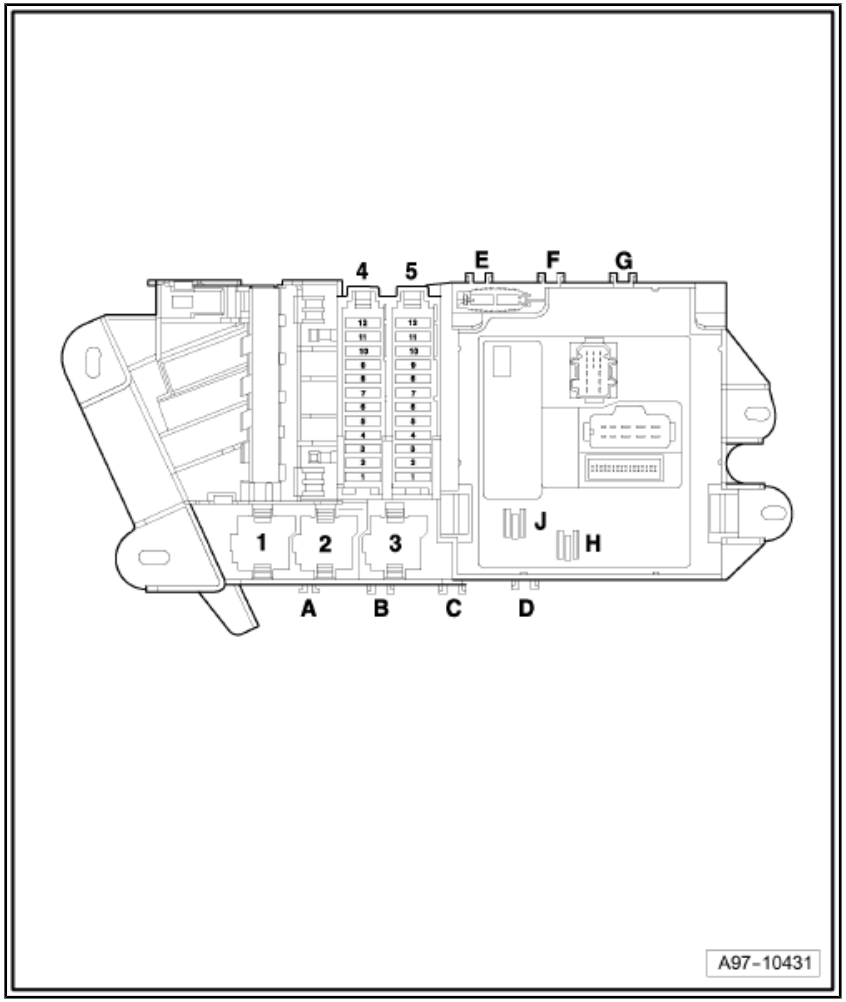
E - Not assigned

F - Not assigned

G - Not assigned

H - Heated rear window fuse -S41- (40 A)

J - Not assigned



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1.32 Fuses on steering cross member

1.32.1 Position of fuses, fuse holder

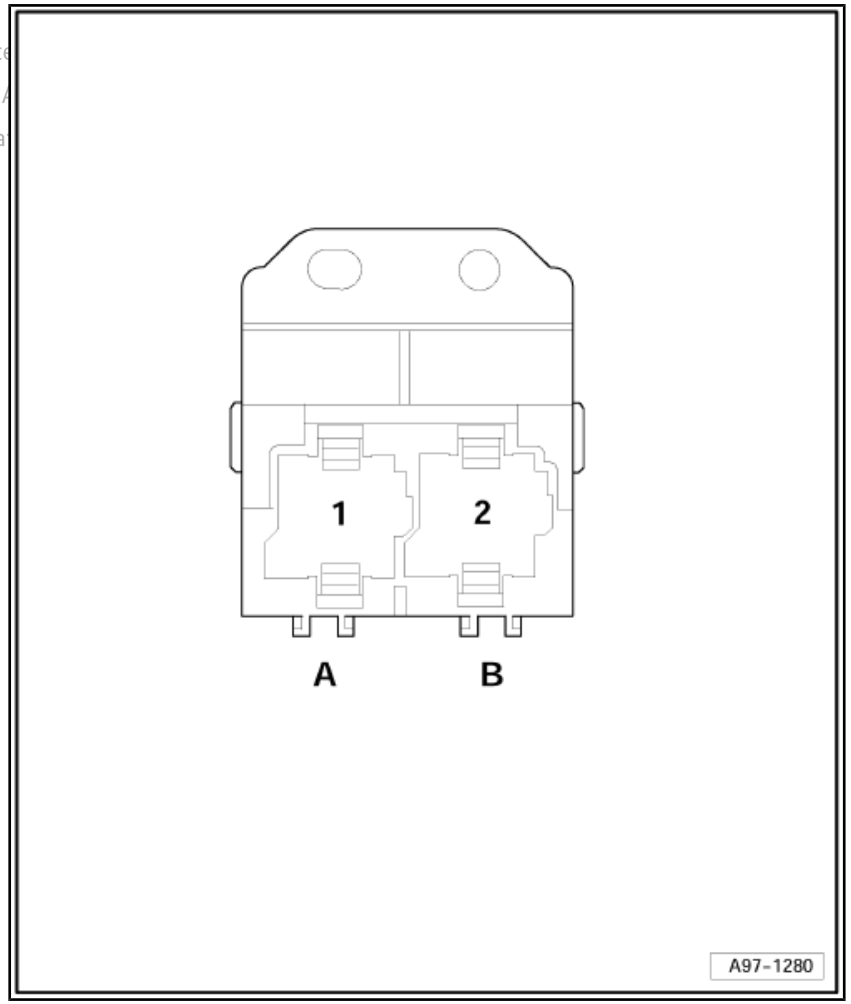
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A - Heater element fuse 1 -S276- (1nd speed), (40A)

- ❑ up to May 2007
- ❑ for models from June 2007 ⇒ page 64

B - Heater element fuse 2 -S277- (2+3nd speed), (60A)

- ❑ up to May 2007
- ❑ for models from June 2007 ⇒ page 64

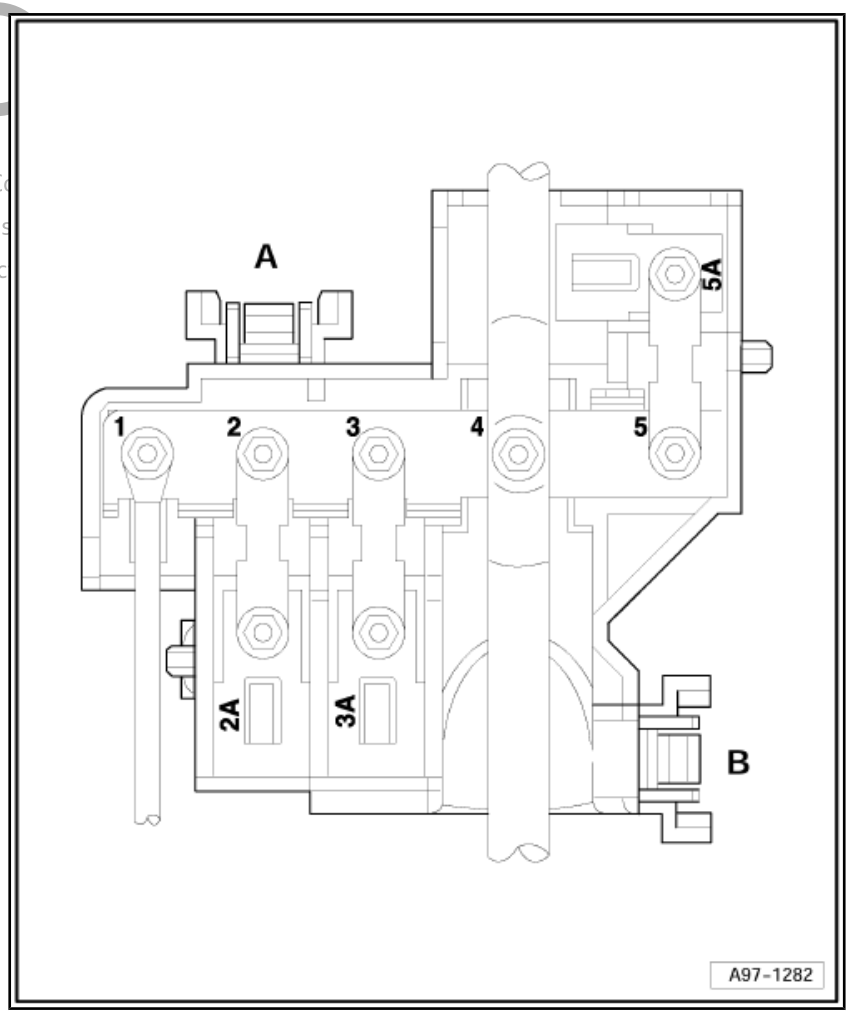


1.33 Fuses on main fuse carrier electronics box, right in plenum chamber

1.33.1 Position of fuses, fuse holder

1 - Union (terminal 30)
2 - Radiator fan fuse for 2nd speed -S104- (40A/ 60A)
3 - Radiator fan single fuse -S42- (40A/ 60A)
4 - Battery positive cable union
5 - Not assigned
A - Not assigned
B - Not assigned

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1.34 Fuses in luggage compartment, rear right, on the battery

1.34.1 Position of fuses, fuse holder, from model year 2007

A1 - Connection battery positive

B1 - Connection to energy management control unit -J644-

C1 - Strip fuse 40 A, only driving school vehicles and taxi

- Strip fuse 80 A, only council vehicles

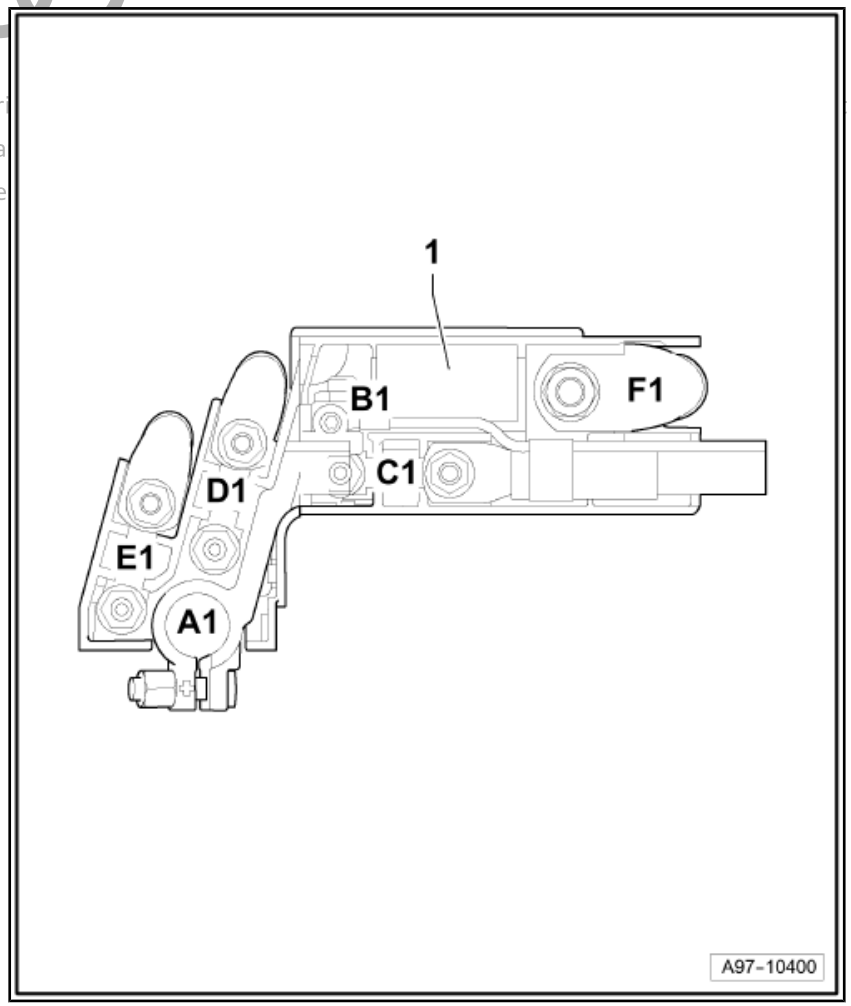
- Strip fuse 30 A, RS6 engine BUH only

D1 - Strip fuse 110 A, supply fuse carrier right in luggage compartment

E1 - Strip fuse 110 A, supply onboard supply control unit, ABS control unit -J104-

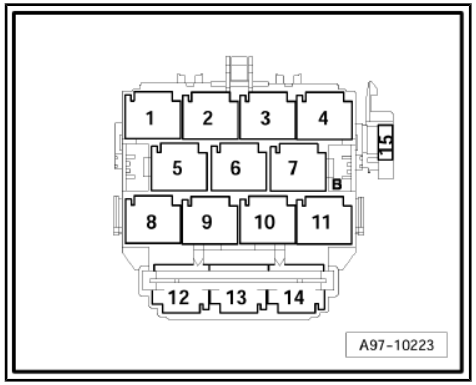
F1 - Connection to starter -B-

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1.35 Fuses on coupling station, lower part of right A-pillar

1.35.1 Position of fuses, fuse holder



15 - Front passenger seat adjustment thermal fuse 1 -S46- (30A) (is dropped, from model year 2007)

15 - Front passenger seat adjustment fuse 1 -S46- (10A) (only lumbar support) (is dropped, from model year 2007)

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1 Relay

1.1 Overview of relay carrier

1 -
Relay carrier in electronics box, right in plenum chamber
- ❑ Position of relays, from model year 2005 ⇒ page 7
- ❑ Position of relays, from model year 2007 ⇒ page 8

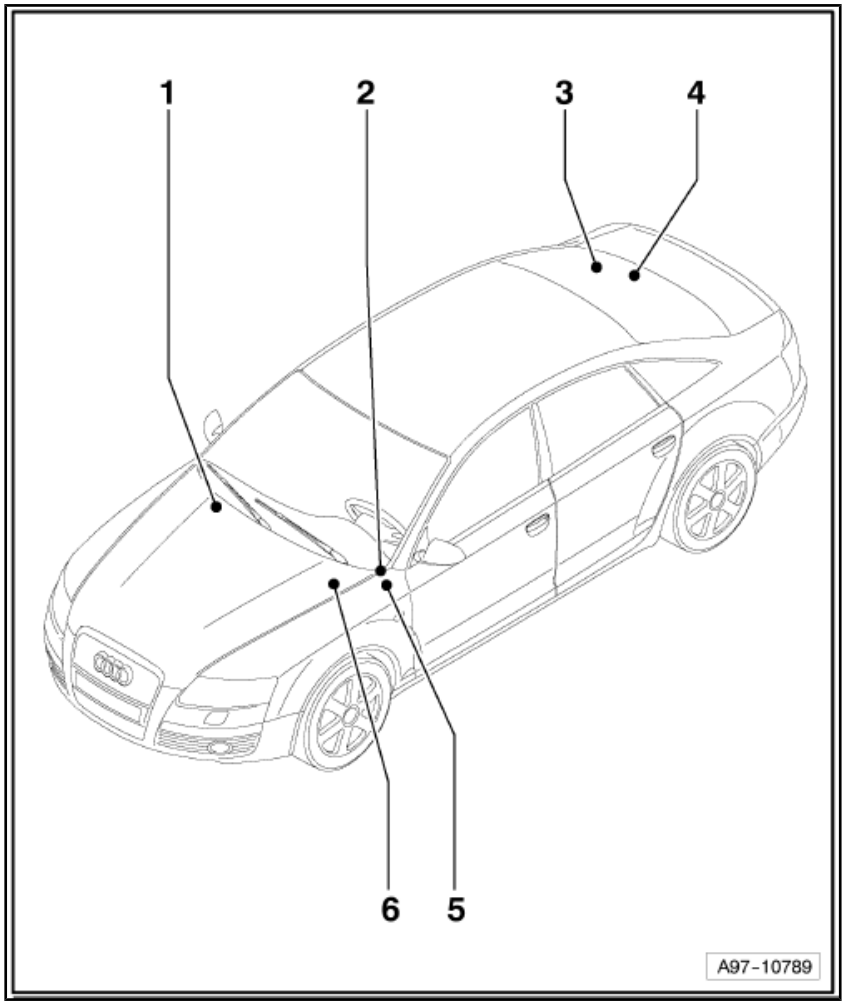
2 -
Relay carrier on steering cross member
- ❑ Position of relays ⇒ page 16

3 -
Relay carrier, on right in luggage compartment
- ❑ Position of relays, from model year 2005 ⇒ page 14
- ❑ Position of relays, from model year 2007 ⇒ page 15

4 -
Relay in luggage compartment, rear right, on the battery
- ❑ Position of relays, from model year 2007 ⇒ page 17

5 -
Relay carrier, behind driver storage compartment
- ❑ Position of relays, from model year 2005 ⇒ page 3
- ❑ Position of relays, from model year 2007 ⇒ page 4

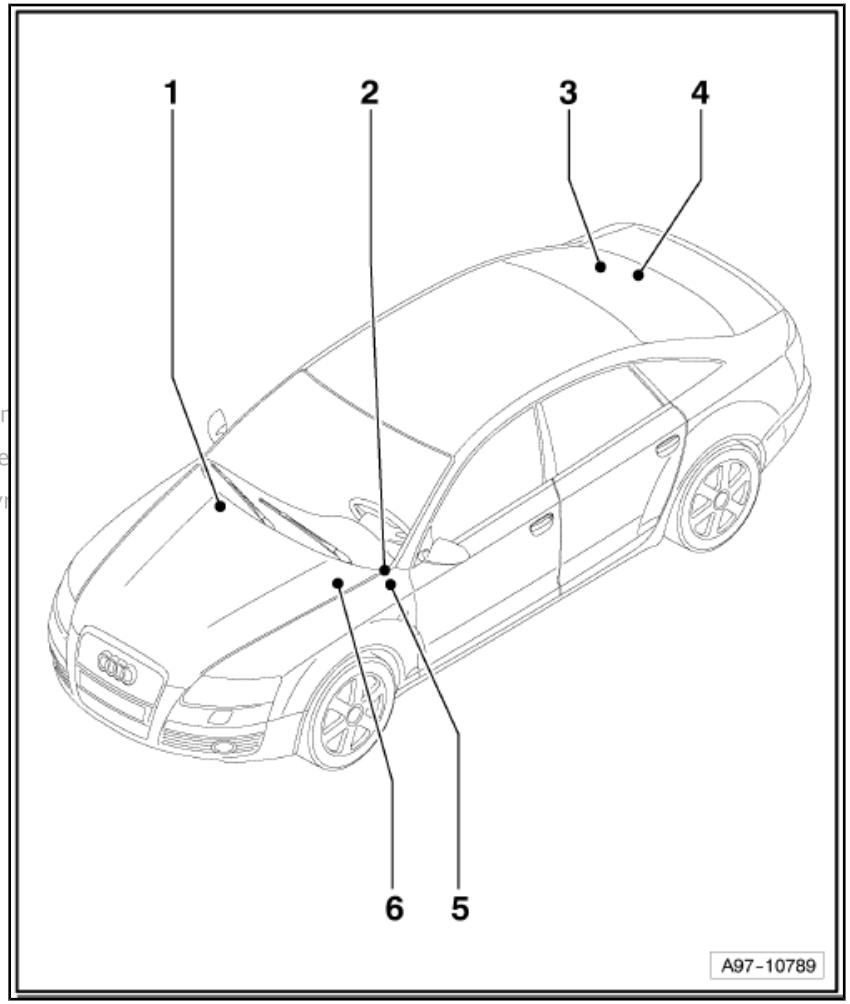
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6 -
Relay carrier in electronics box, left in plenum chamber

- ❑ Position of relays, from model year 2005 ⇒ page 10
- ❑ Position of relays, from model year 2007 ⇒ page 11

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1.2 9-point relay and fuse carrie behind driver's storage compartment

1.2.1 Position of relays, from model year 2005

1 - Terminal 15 voltage supply relay -J329-

2 - Headlight washer system relay -J39-

3 - Vacant

4 - Starter motor relay -J53-

5 - Terminal 75x voltage supply relay -J694-

- ❑ up to April 2005

6 - Starter motor relay 2 -J695-

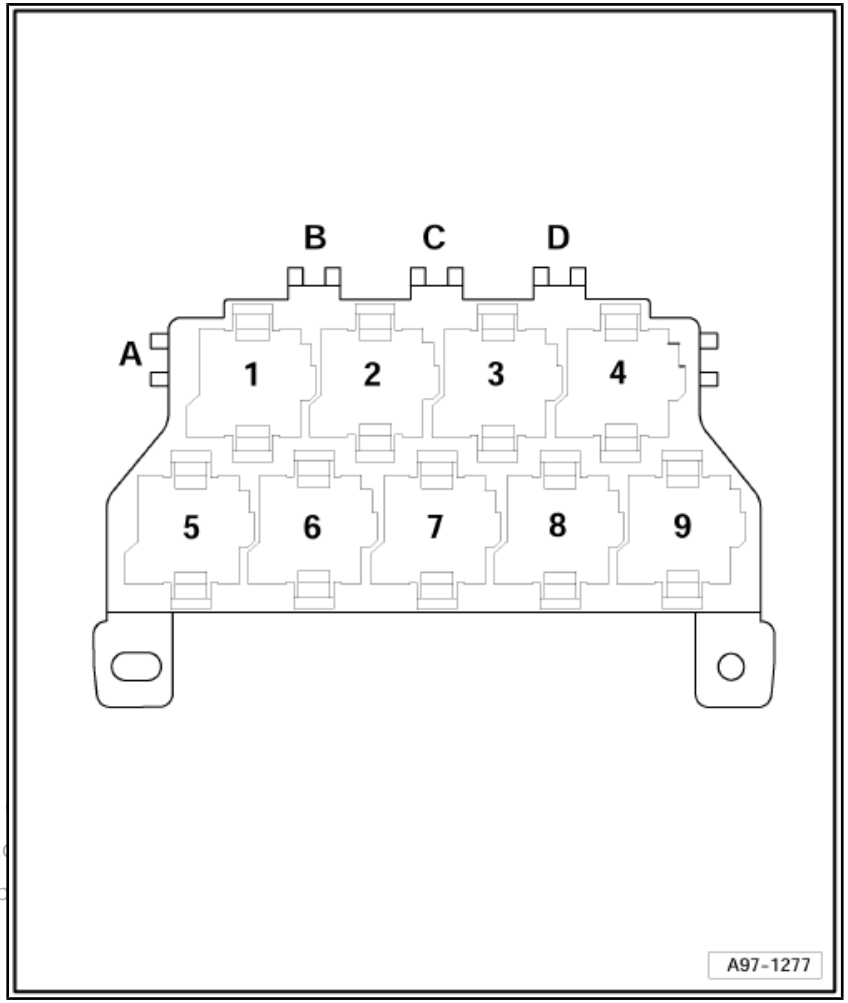
7.1 - Dual tone horn relay -J4-

7.2 - Terminal 75x voltage supply relay -J694-

- ❑ from May 2005

8 - Driving school mode relay -J746-, taxi alarm system 2 control unit -J430-, diode group -J79- special vehicle

9 - Vacant



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1.2.2 Position of relays, left-hand drive, from model year 2007

1 - Terminal 15 voltage supply relay -J329-

- ❑ for models with right-hand drive ⇒ page 6

2 - Headlight washer system relay -J39-

- ❑ for models with right-hand drive ⇒ page 6

3 - Low heat output relay -J359-

- ❑ from June 2007

4 - Starter motor relay -J53-

- ❑ for models with right-hand drive ⇒ page 6

5 - High heat output relay -J360-

- ❑ from June 2007

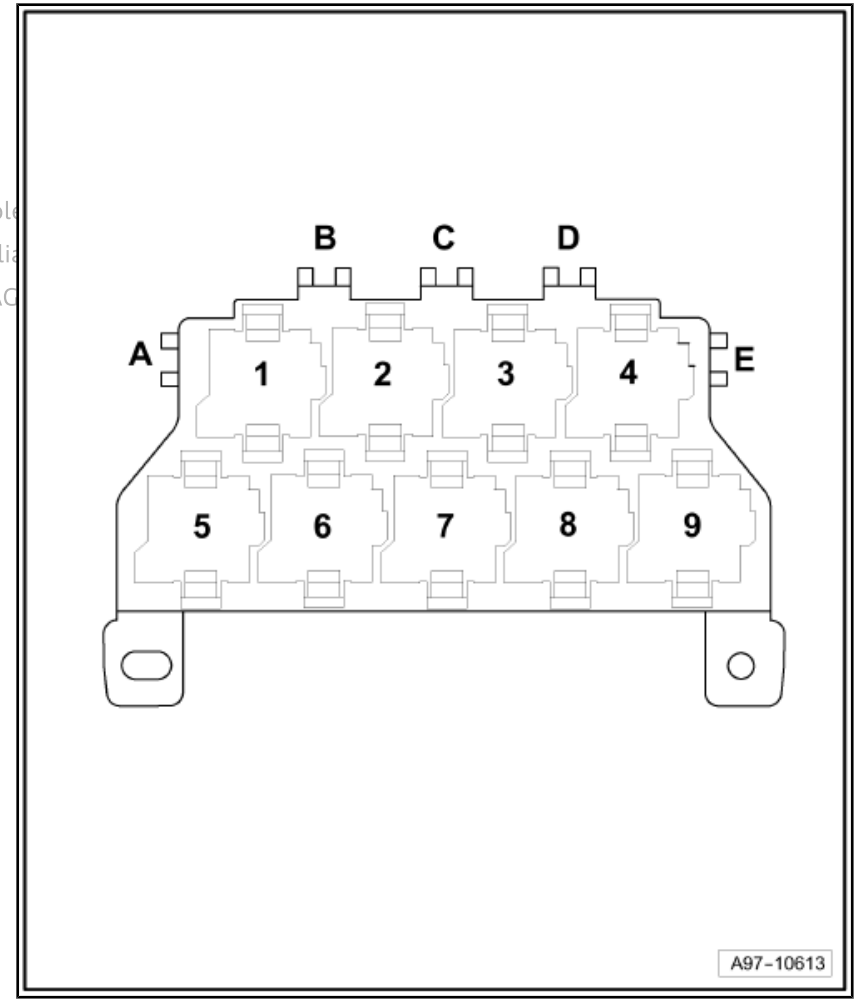
6 - Starter motor relay 2 -J695-

- ❑ for models with right-hand drive ⇒ page 6

7.1 - Dual tone horn relay -J4-

- ❑ for models with right-hand drive ⇒ page 6

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7.2 - Terminal 75x voltage supply relay -J694-

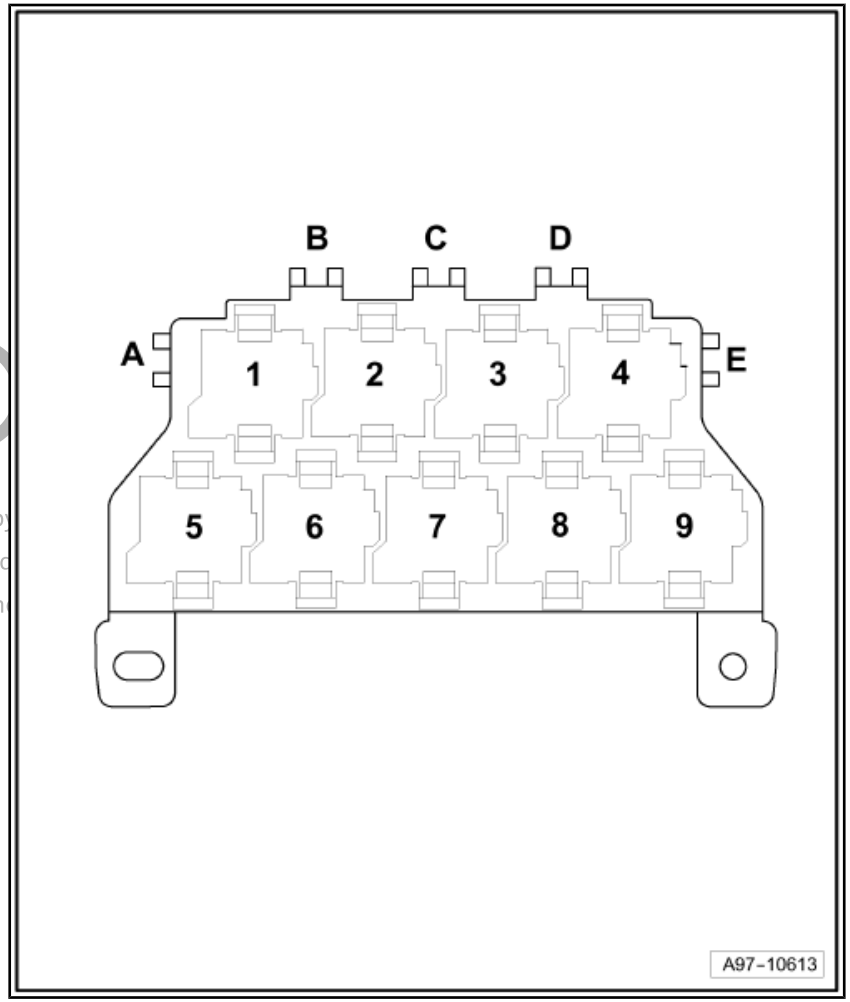
- ❑ for models with right-hand drive ⇒ page 6

8 - Driving school mode relay -J746-, taxi alarm system 2 control unit -J430-, diode group -J79- special vehicle

- ❑ for models with right-hand drive ⇒ page 6

9 - Vacant

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1.2.3 Position of relays, right-hand drive, from model year 2007

1 -
Terminal 15 voltage supply relay -J329-[1])

- Vacant[2])

2 -
Headlight washer system relay -J39-

3 - Vacant

4 -
Starter motor relay -J53-

5 - Vacant

6 -
Starter motor relay 2 -J695-

7.1 -
Dual tone horn relay -J4-

7.2 -
Terminal 75x voltage supply relay -J694-

8 -
Driving school mode relay -J746-, taxi alarm system 2 control unit -J430-, diode group -J79- special vehicle

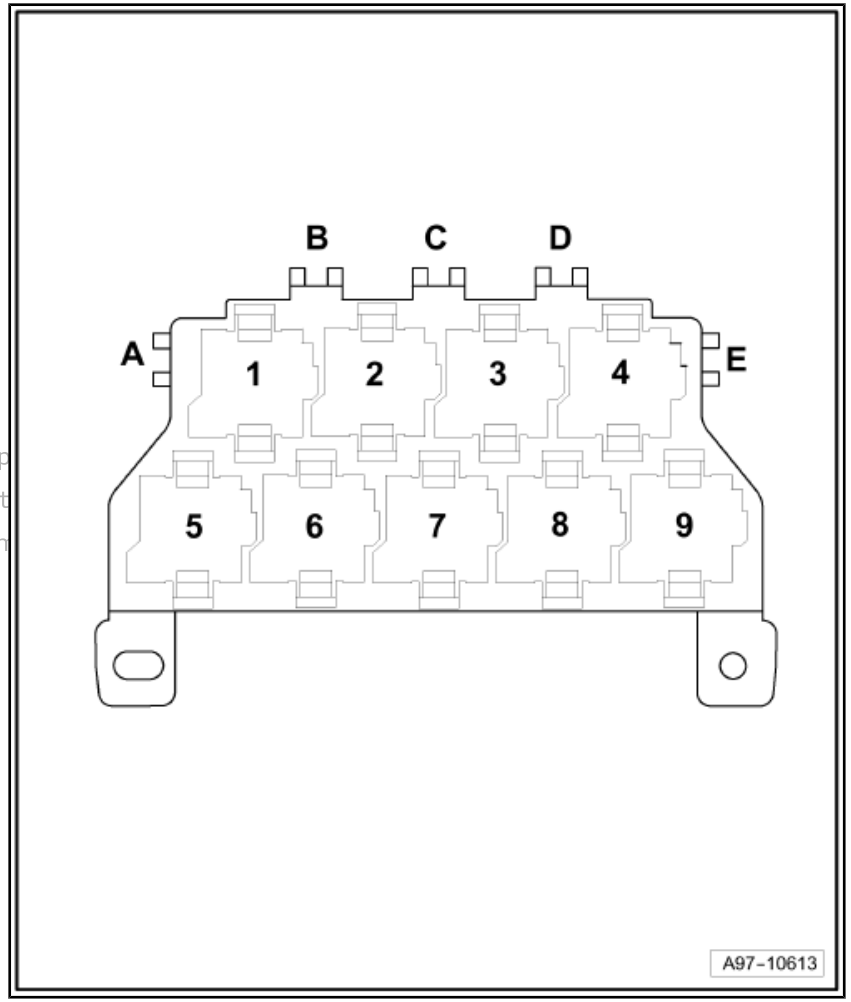
9 - Vacant[1])

- Terminal 15 voltage supply relay - J329[2])

[1]) up to May 2007

[2]) from June 2007

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1.3 Relay and fuse carrier, in electronics box on right in plenum chamber

1.3.1 Position of relays, from model year 2005

1 - Vacant

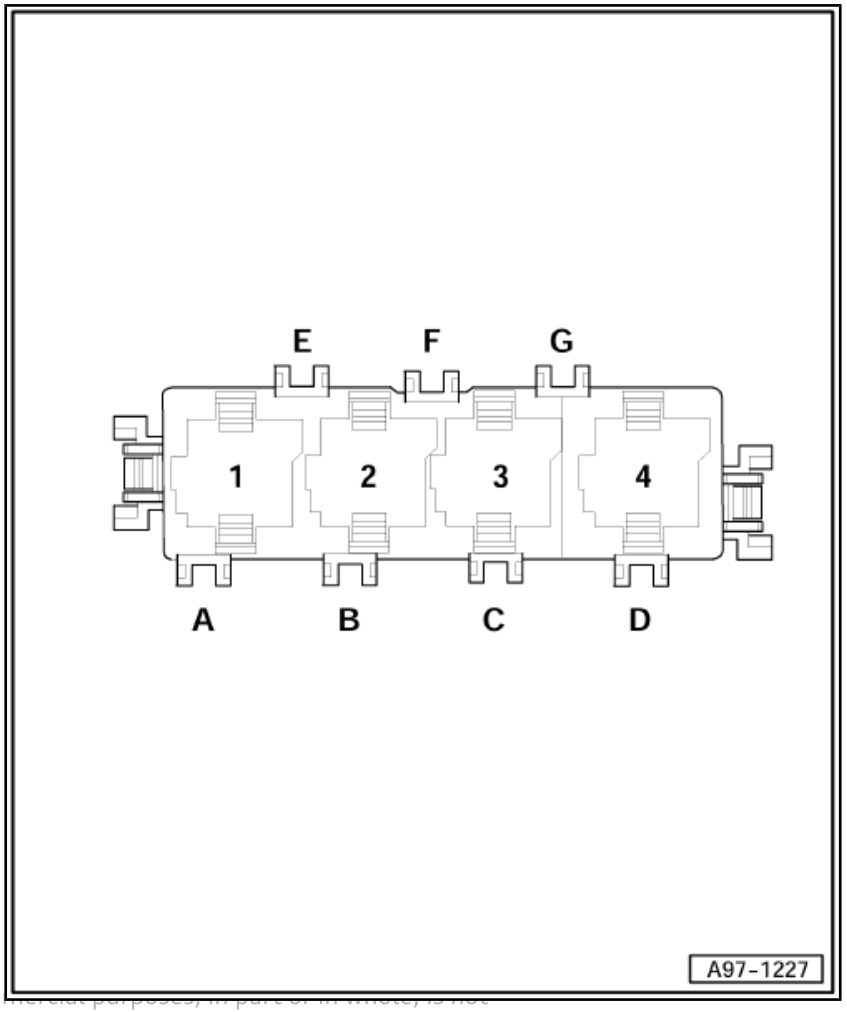
2 - Adaptive suspension compressor relay -J403-

2.1 - Vacant

2.2 - Vacant

3 - Glow plug relay -J52- (Diesel), automatic glow period control unit -J179- (Diesel), secondary air pump relay -J299- (petrol)

4 - Vacant



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1.3.2 Position of relays, left-hand drive, from model year 2007

1 - Vacant

2 - Adaptive suspension compressor relay -J403-

- ❑ for models with right-hand drive ⇒ page 9

2 - Radiator fan 3 relay -J752- (BUH)

2.1 - Vacant

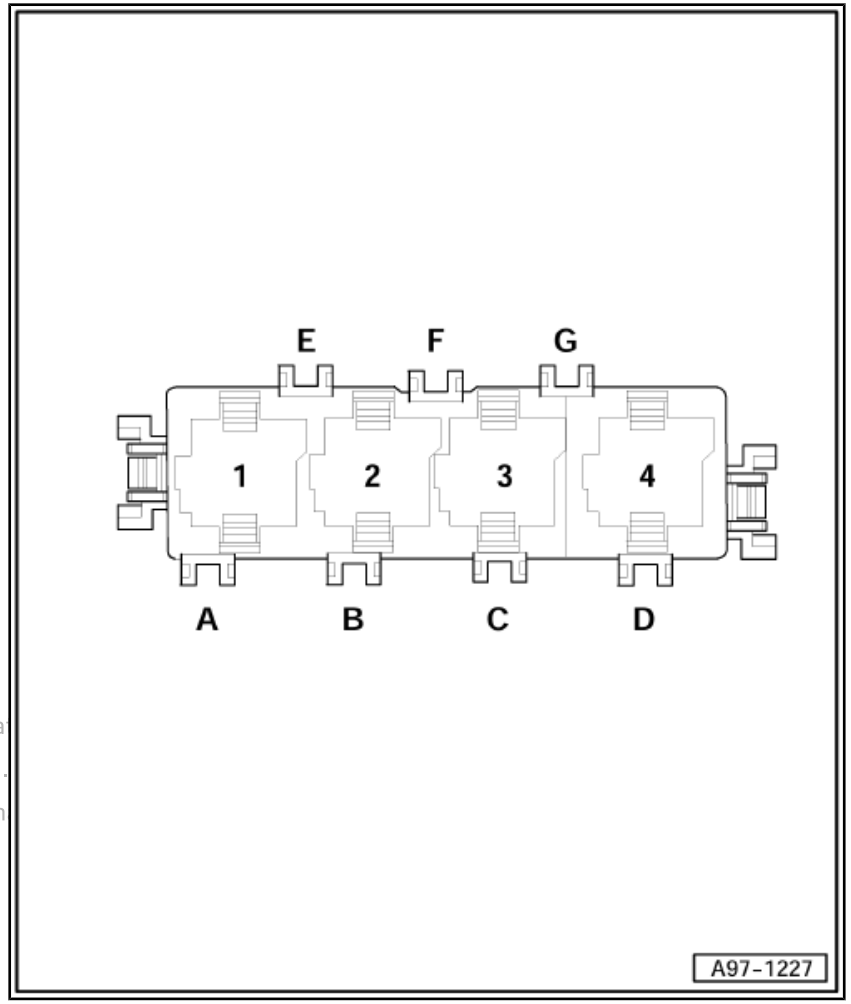
2.2 - Vacant

3 - Glow plug relay -J52- (Diesel), automatic glow period control unit -J179- (Diesel), secondary air pump relay -J299- (petrol)

- ❑ for models with right-hand drive ⇒ page 9

4 - Secondary air pump relay 2 -J545-

- ❑ for models with right-hand drive ⇒ page 13



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1.3.3 Position of relays, right-hand drive, from model year 2007

1 - Vacant

1.1 - Vacant

1.2 - Vacant

2 -
Adaptive suspension compressor relay -J403-

2.1 - Vacant

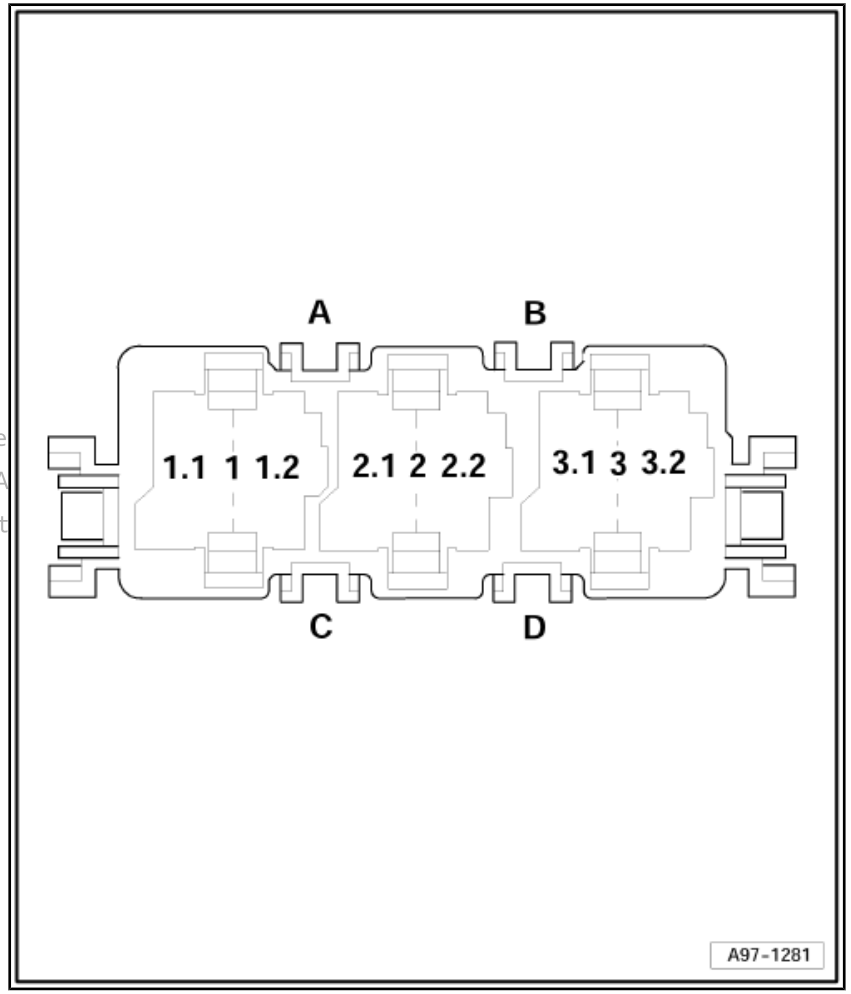
2.2 - Vacant

3 -
Glow plug relay -J52- (diesel), automatic glow period control unit -J179- (diesel), secondary air pump relay -J299- (petrol)

3.1 - Vacant

3.2 - Vacant

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1.4 Relay and fuse carrier, in electronics box on left in plenum chamber

1.4.1 Position of relays, from model year 2005

1 - Vacant

1.1 - Brake servo relay -J569-

1.2 - Continued coolant circulation relay -J151-, additional coolant pump relay -J496- (3.2 l engine)

2 - Fuel pump relay -J17-, engine component current supply relay -J757- (3.2 l engine)

2.1 - Fuel pump relay -J17- (diesel)

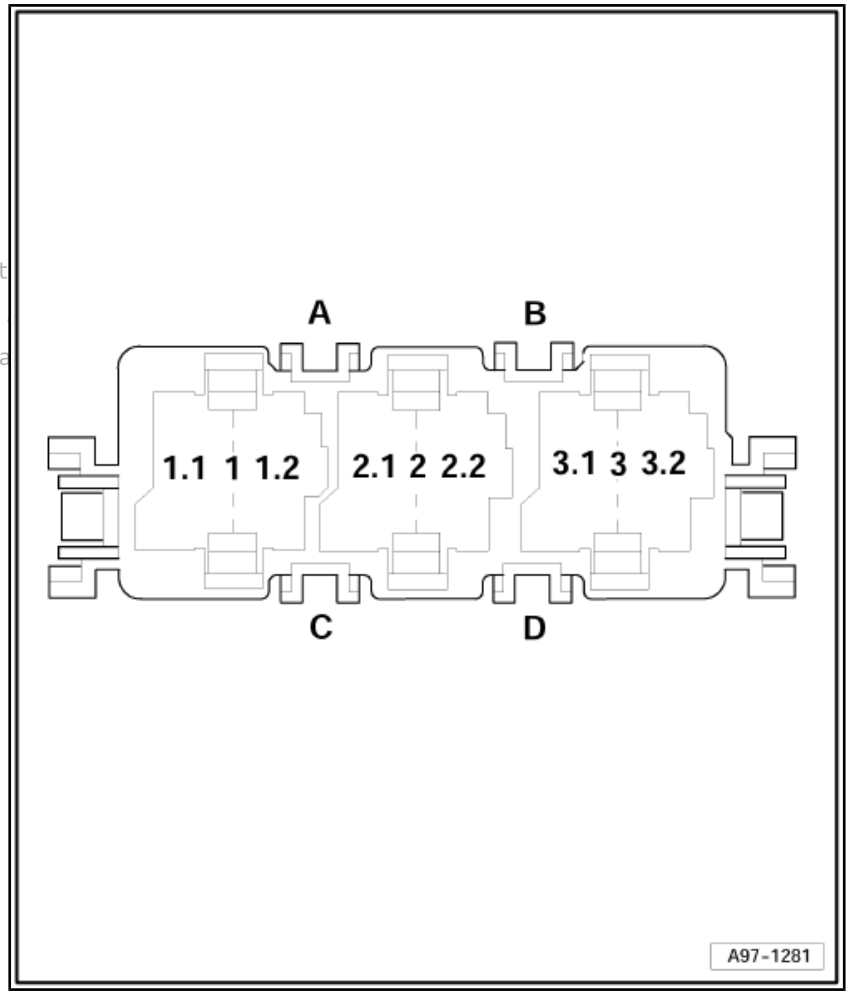
2.2 - Vacant

3 - Voltage supply relay - terminal 30 -J317- (diesel), Motronic current supply relay -J271- (petrol)

3.1 - Vacant

3.2 - Vacant

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1.4.2 Position of relays, left-hand drive, from model year 2007

1 - Vacant

1.1 - Brake servo relay -J569-

- ❑ for models with right-hand drive ⇒ page 13

1.1 - Additional coolant pump relay -J496- (5.0 l engine BUH)

1.2 - Continued coolant circulation relay -J151-, additional coolant pump relay -J496- (3.2 l engine)

- ❑ for models with right-hand drive ⇒ page 13

2 - Fuel pump relay -J17-, engine component current supply relay -J757- (3.2 l engine)

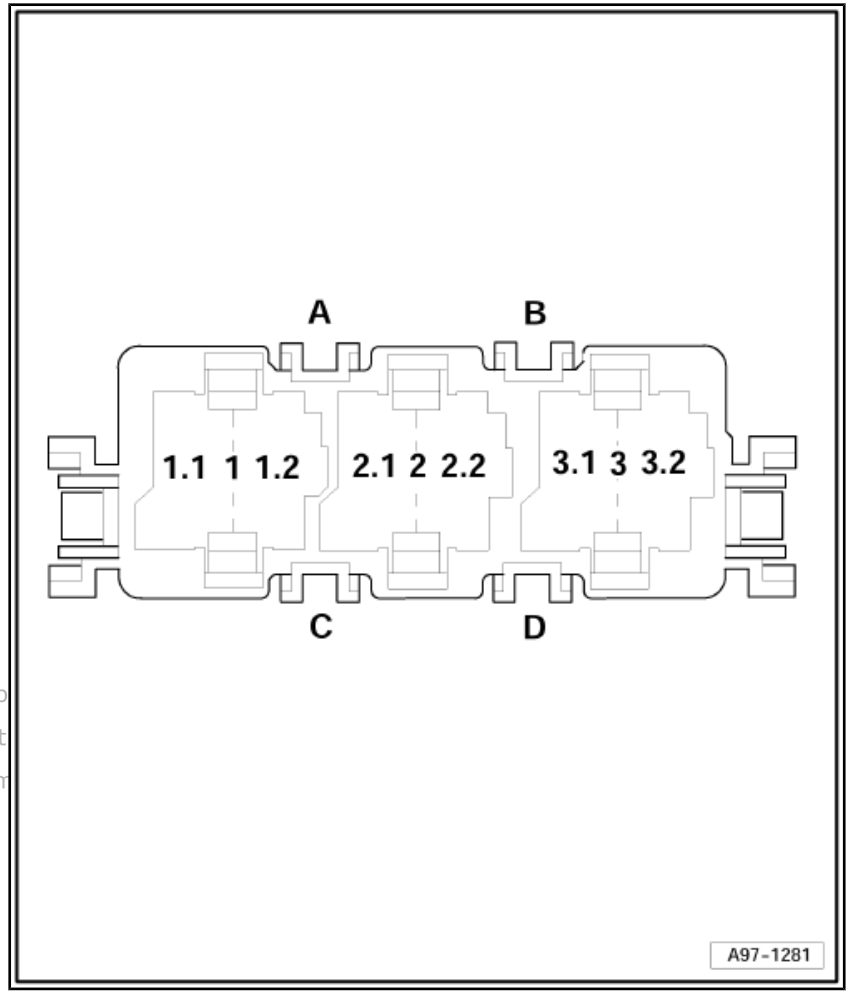
- ❑ for models with right-hand drive ⇒ page 13

2.1 - Fuel pump relay -J17- (diesel)

- ❑ for models with right-hand drive ⇒ page 13

2.2 - Vacant

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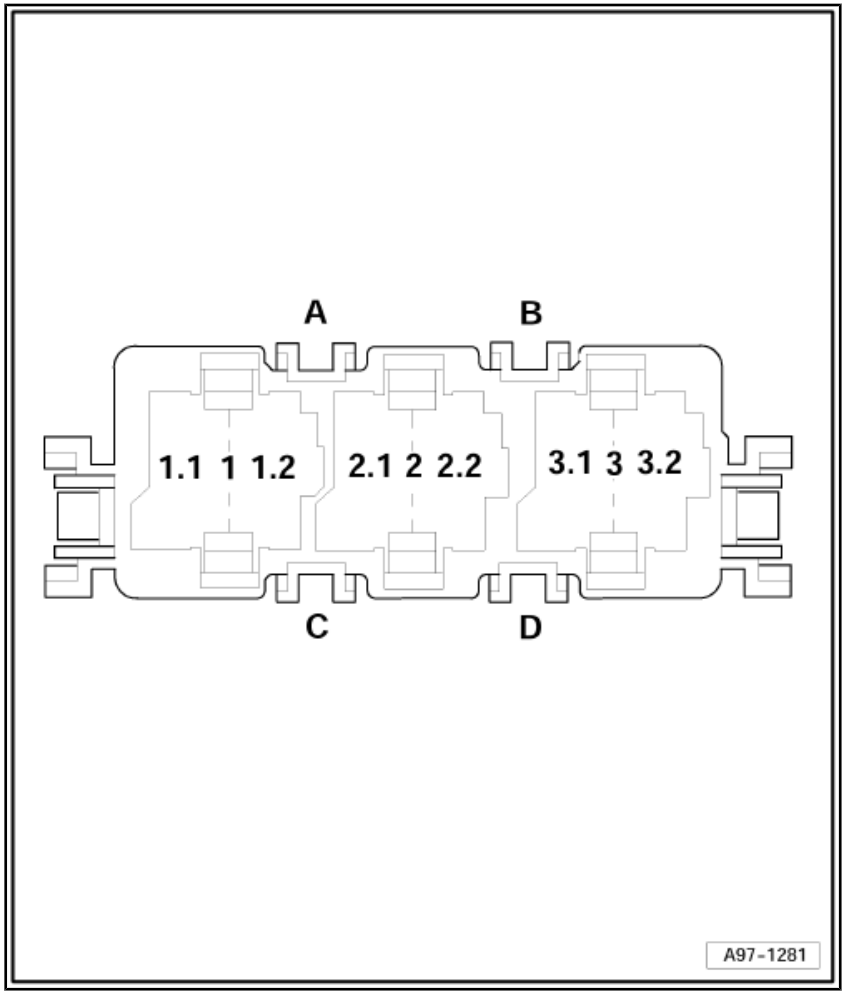


3 - Voltage supply relay - terminal 30 -J317- (diesel), Motronic current supply relay -J271- (petrol)

- ❑ for models with right-hand drive ⇒ page 13

3.1 - Vacant

3.2 - Vacant



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1.4.3 Position of relays, right-hand drive, from model year 2007

1 - Vacant

1.1 -
Brake servo relay -J569-

1.2 -
Continued coolant circulation relay -J151-

- Additional coolant pump relay -J496- (3.2 l engine)

2 -
Fuel pump relay -J17- (3.2 l engine)

- Engine component current supply relay -J757- (3.2 l engine)

2.1 -
Fuel pump relay -J17- (diesel)

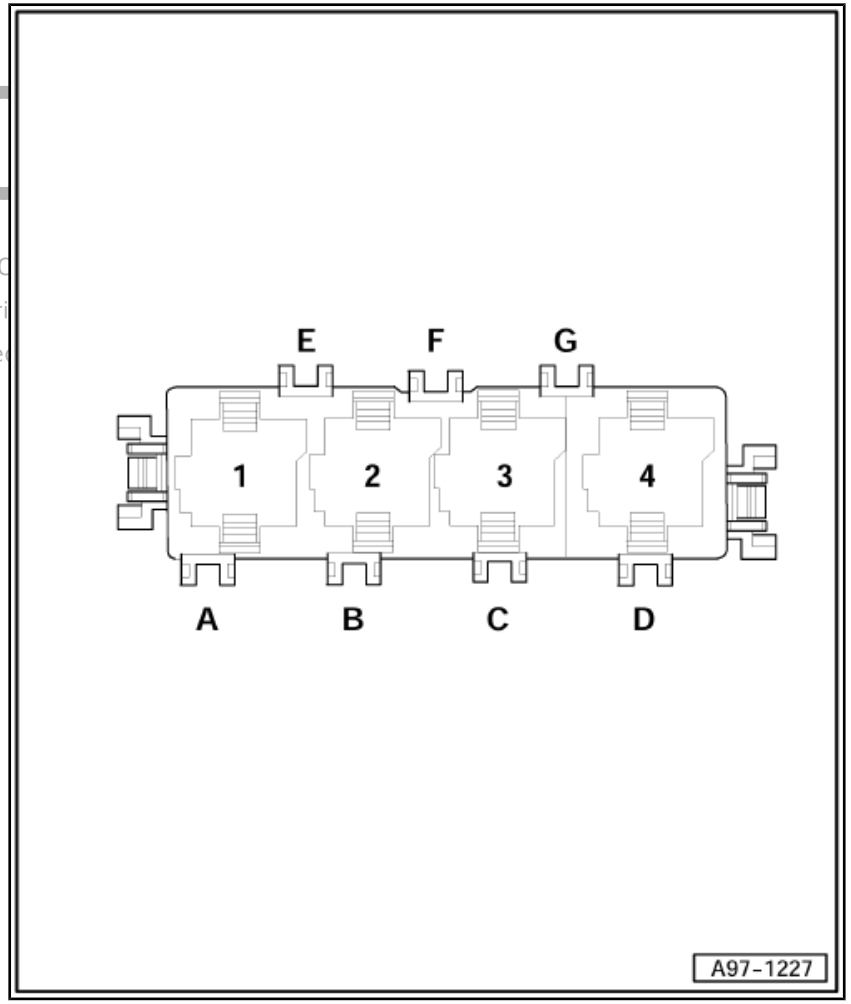
2.2 - Vacant

3 -
Terminal 30 voltage supply relay -J317- (diesel)

- Motronic current supply relay -J271- (petrol)

4 -
Secondary air pump relay 2 -J545-

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1.5 Relay and fuse carrier right in luggage compartment

1.5.1 Position of relays, from model year 2005

8 - Heated rear window relay -J9-

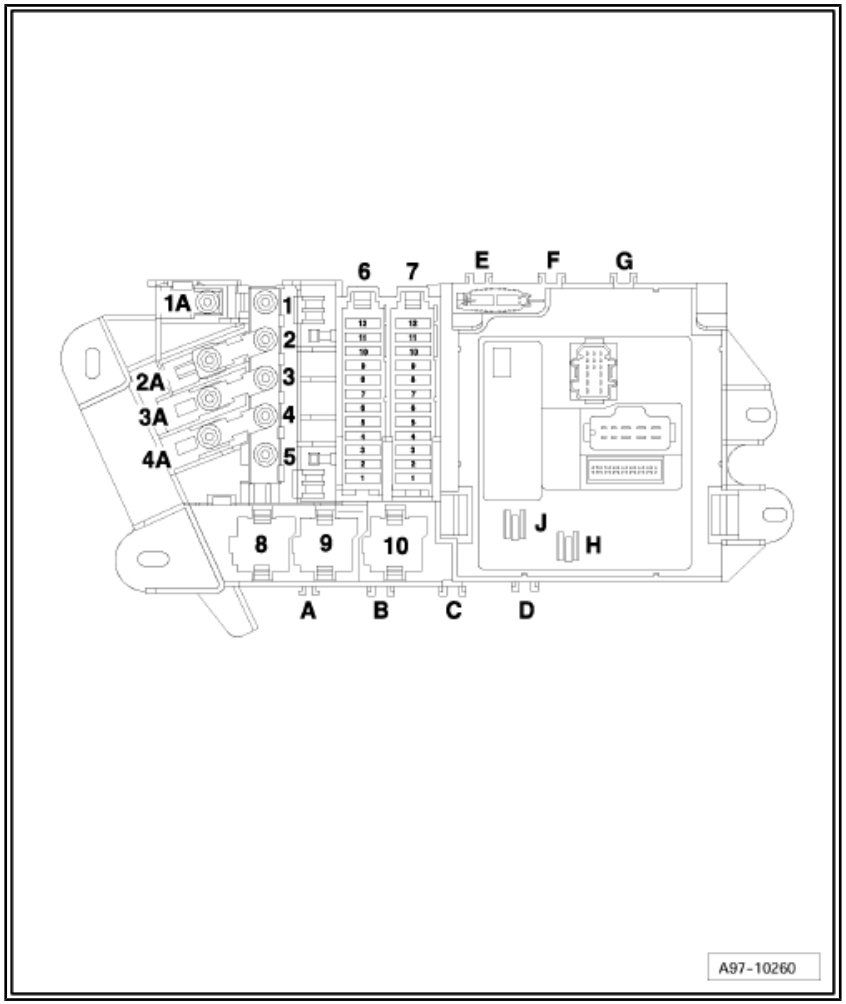
- ❑ Relay location 1

9 - Fuel pump relay for auxiliary heater -J749-

- ❑ Relay location 2

10 - Blocking relay -J771-

- ❑ Relay location 3



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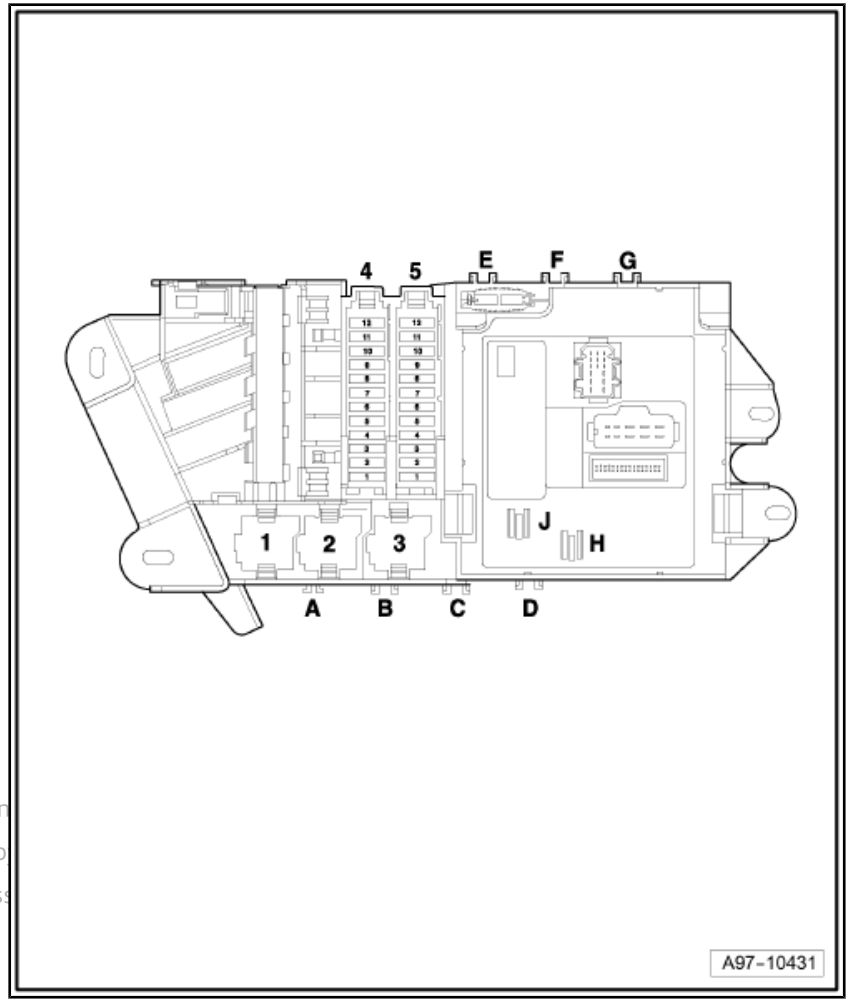
1.5.2 Position of relays, from model year 2007

1 - Heated rear window relay -J9-

2 - Fuel pump relay for auxiliary heater -J749-

- Fuel pump relay -J17- (5.0 l engine RS6)

3 - Blocking relay -J771-



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1.6 Relay and fuse carrier on steering cross member

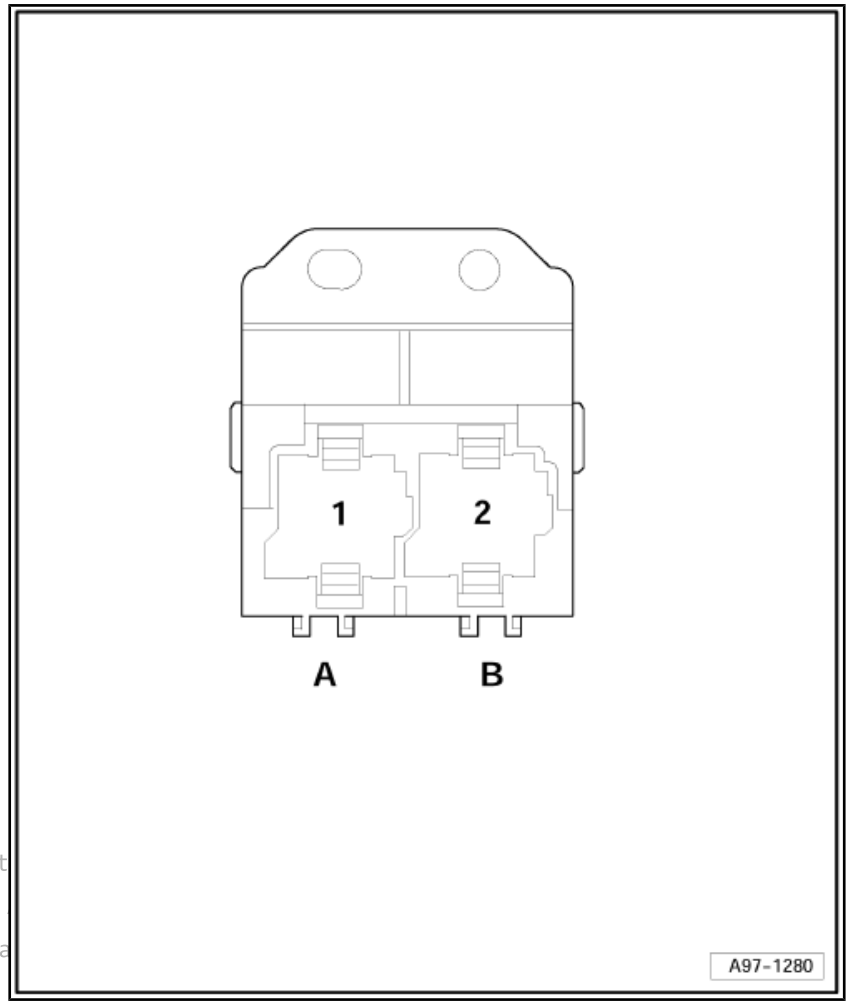
1.6.1 Relay positions

1 - Low heat output relay - J359

- ❑ up to May 2007
- ❑ for models from June 2007 ⇒ page 4

2 - High heat output relay - J360

- ❑ up to May 2007
- ❑ for models from June 2007 ⇒ page 4



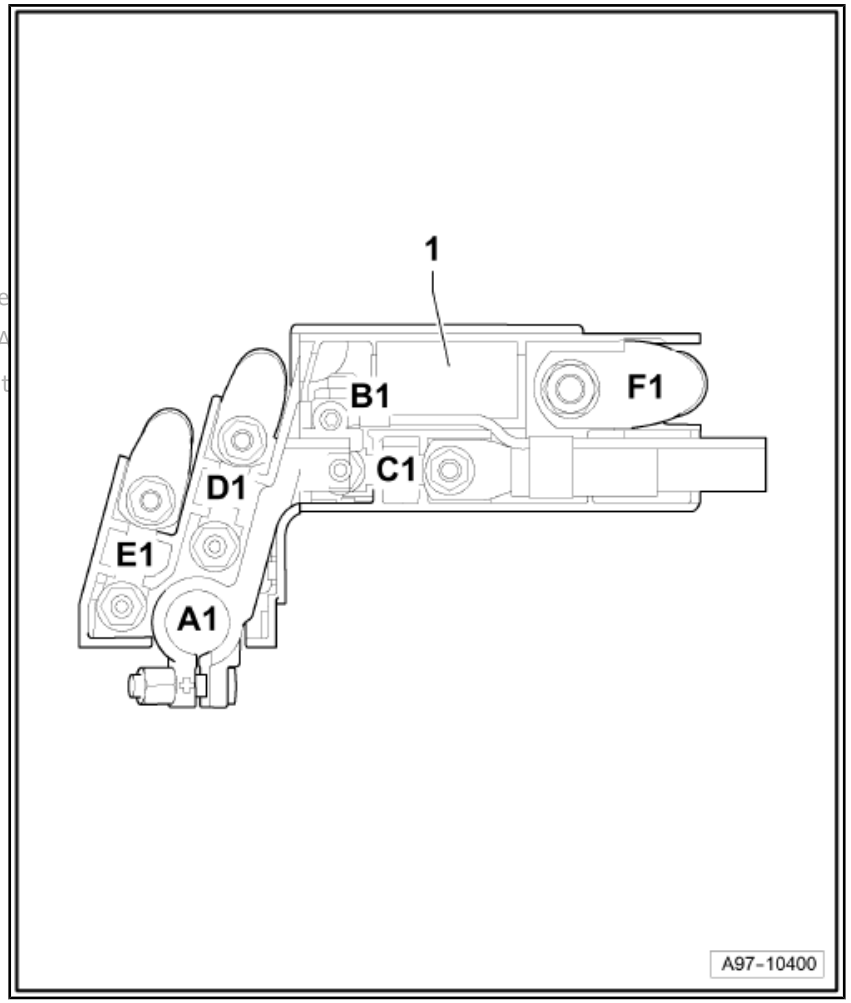
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1.7 Relay in luggage compartment, rear right, on the battery

1.7.1 Position of relays, from model year 2007

1 - Battery isolation igniter -N253-

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1 Control units

1.1 Overview of control units

1 - Garage door operation control unit -J530-

- ❑ Location ⇒ page ⇒ page 5
- ❑ Connector assignment ⇒ page 6

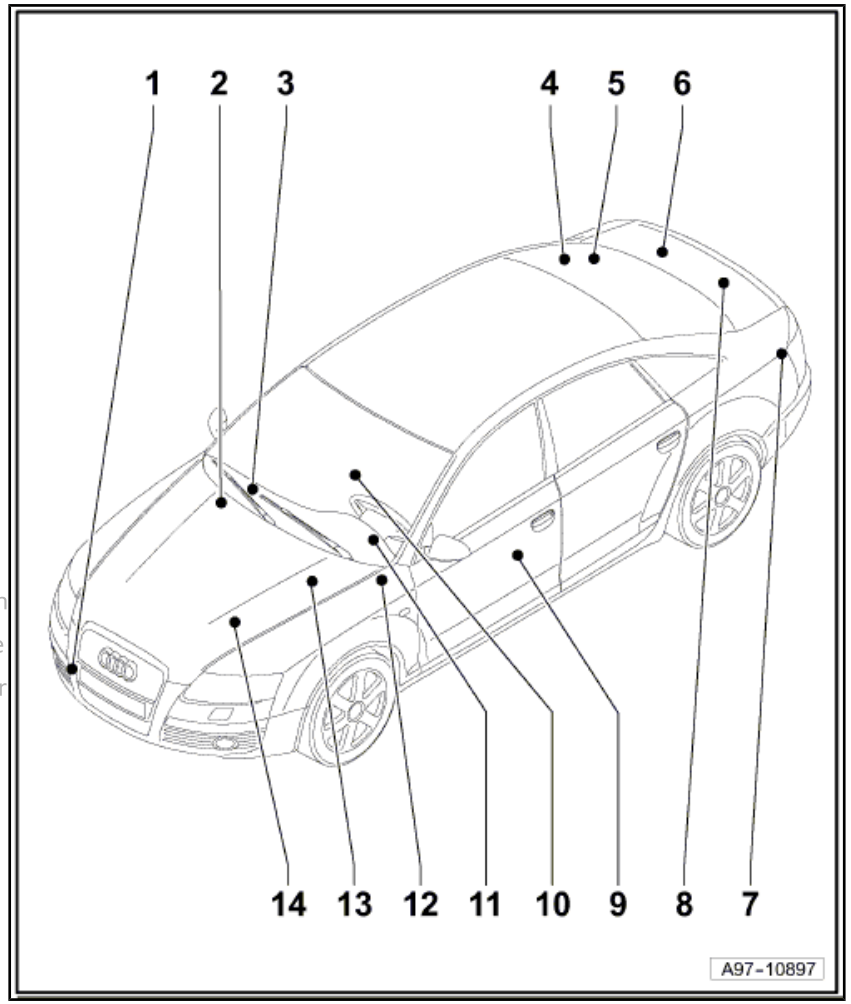
2 - Engine control unit -J623-

- ❑ Location ⇒ page 7

3 - Control units behind the glove box

- ❑ Components: -J197-, -J431-, -J502-, -J520-, -J523-, -J533-, -J723-
- ❑ Location ⇒ page 8
- ❑ Connector assignment -J197- ⇒ page 9
- ❑ Connector assignment -J431- ⇒ page 10
- ❑ Connector assignment -J502- ⇒ page 11
- ❑ Connector assignment -J520- ⇒ page 12
- ❑ Connector assignment -J723- ⇒ page 13

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3 -
Drive in glove box

- Components: -R41-, -R89-, -R118-, -R119-, -R153-
- Location ⇒ page 32

4 -
Control units on right in luggage compartment

- Components: -J345-, -J446-, -J540-, -R86-
- Location ⇒ page 16
- Connector assignment -J345- ⇒ page 17
- Connector assignment -J446- ⇒ page 18
- Connector assignment -J540- ⇒ page 19

5 - Convenience system central control unit -J393-

- Location ⇒ page 20

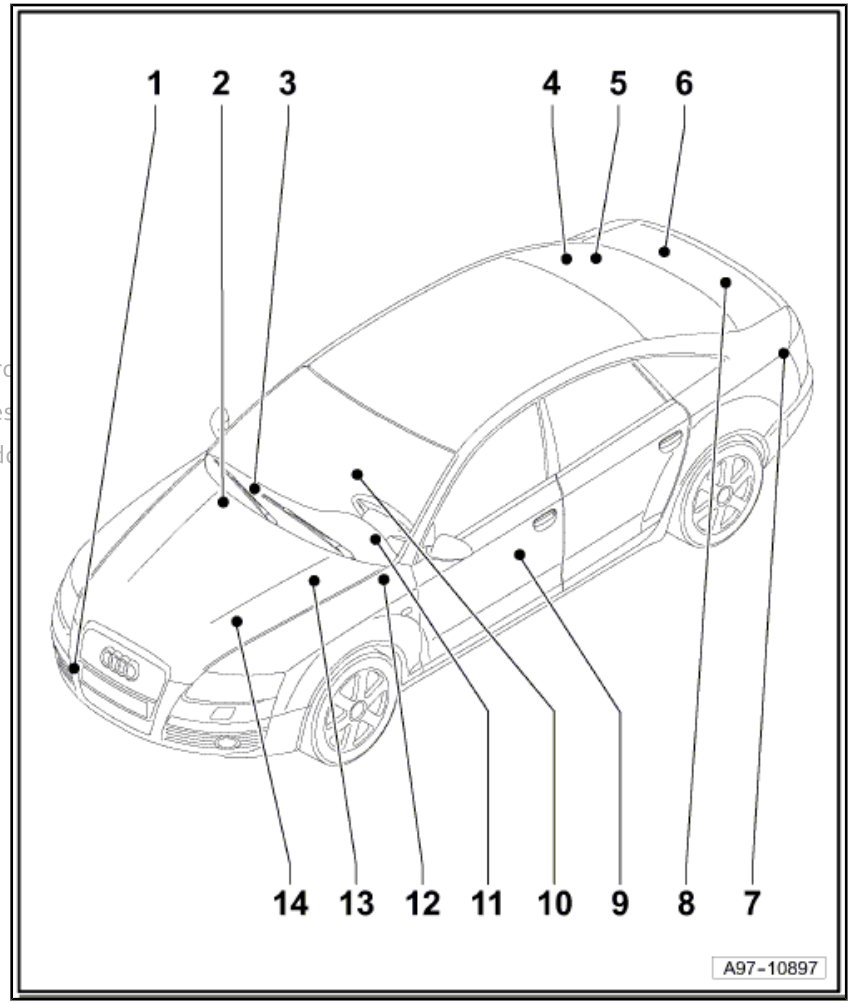
6 - Energy management control unit -J644-

- Location ⇒ page 21
- Connector assignment ⇒ page 22

7 -
Control units on left in luggage compartment

- Components: -J525-, -R78-, -J401-, -R-, -R12-, -J507-
- Location ⇒ page 33

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8 - Radio controlled clock receiver -J489-

- ❑ Location ⇒ page 23

9 -
Seat and steering column adjustment control unit with memory -J136-, front passenger seat adjustment with memory control unit -J521-

- ❑ Location ⇒ page 24
- ❑ Connector assignment ⇒ page 25

10 - Airbag control unit -J234-

- ❑ Location ⇒ page 14
- ❑ Connector assignment ⇒ page 15

11 - Entry and start authorisation control unit -J518-

- ❑ Location ⇒ page 26
- ❑ Connector assignment ⇒ page 27

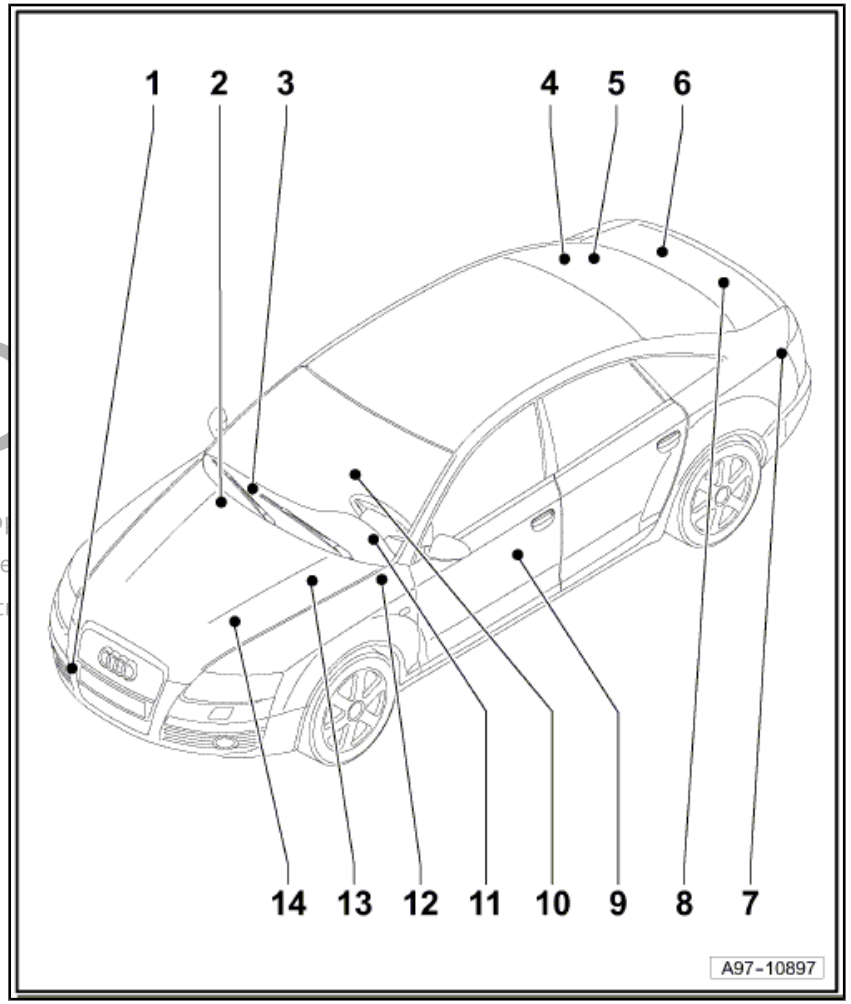
12 - Behind driver storage compartment control units

- ❑ Location ⇒ page 28
- ❑ Connector assignment -J519- ⇒ page 29

13 - Wiper motor control unit -J400-

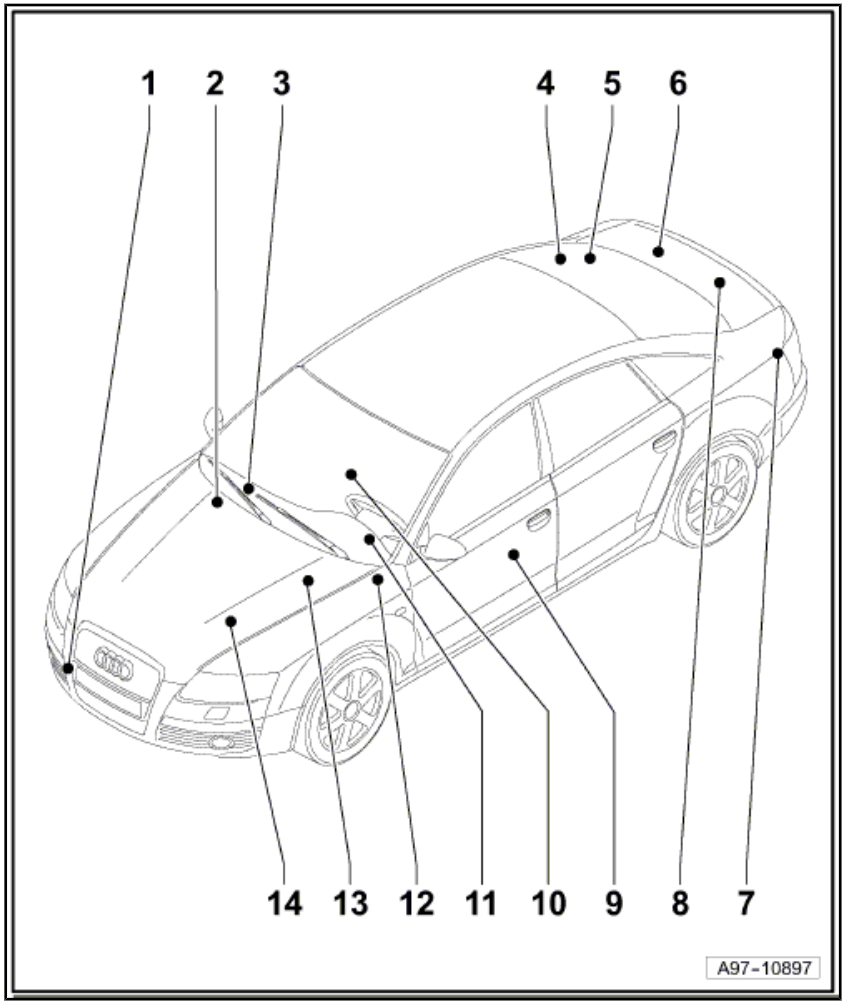
- ❑ Location ⇒ page 30

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14 - Automatic gearbox control unit -J217-

- Location ⇒ page 31



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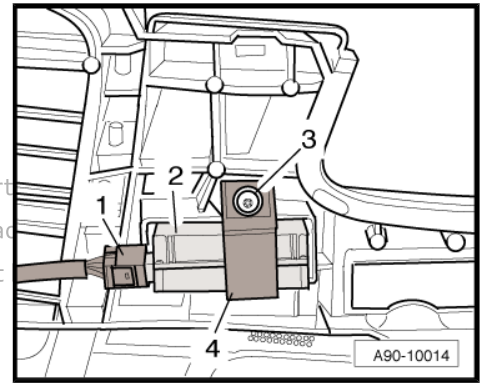
1.2 Garage door operation control unit -J530-

1.2.1 Location:

In the front bumper cover, right

2 - Garage door operation control unit -J530-

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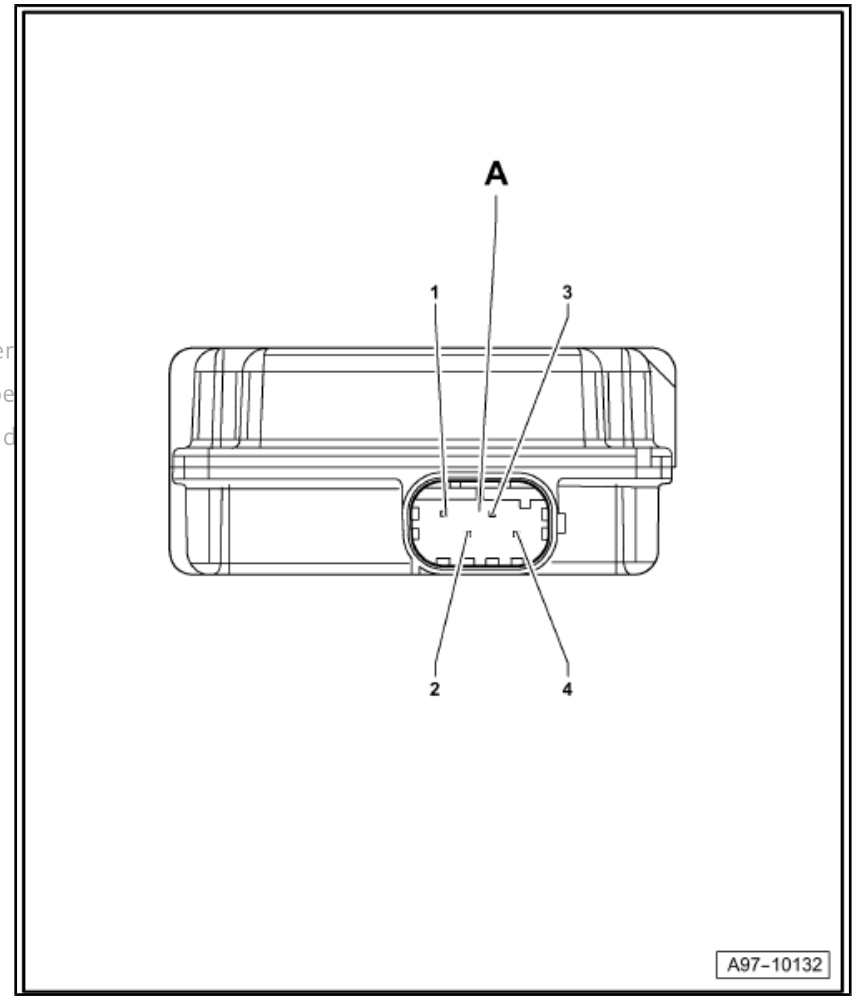
1.2.2 Connector assignment.

Garage door operation control unit -J530-

Connector:

A - 4-pin connector

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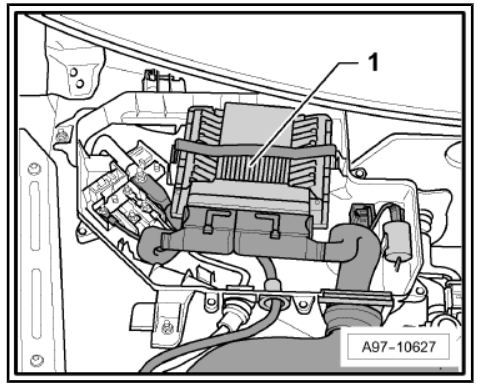


1.3 Engine control unit -J623-

1.3.1 Location:

In electronics box right in plenum chamber, above relay carrier

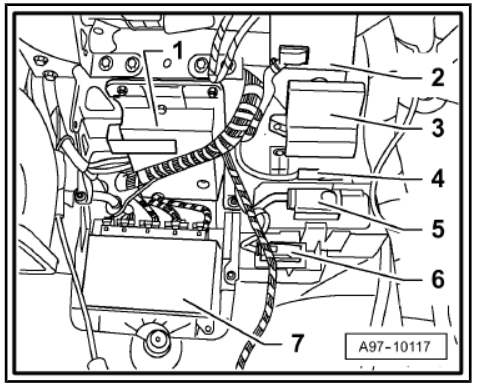
1 - Engine control unit -J623-



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1.4 Control units behind the glove box

1.4.1 Location:



1 - Front information display and operating unit control unit -J523-

2 - Aerial reader unit for keyless entry system -J723-

3 - Data bus diagnostic interface -J533-

4 - Headlight range control, control unit -J431-

5 - Onboard supply control unit 2 -J520-

6 - Tyre pressure monitor control unit -J502-

7 - Adaptive suspension control unit -J197-

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1.4.2 Connector assignment.

Adaptive suspension control unit -J197-

Connector:

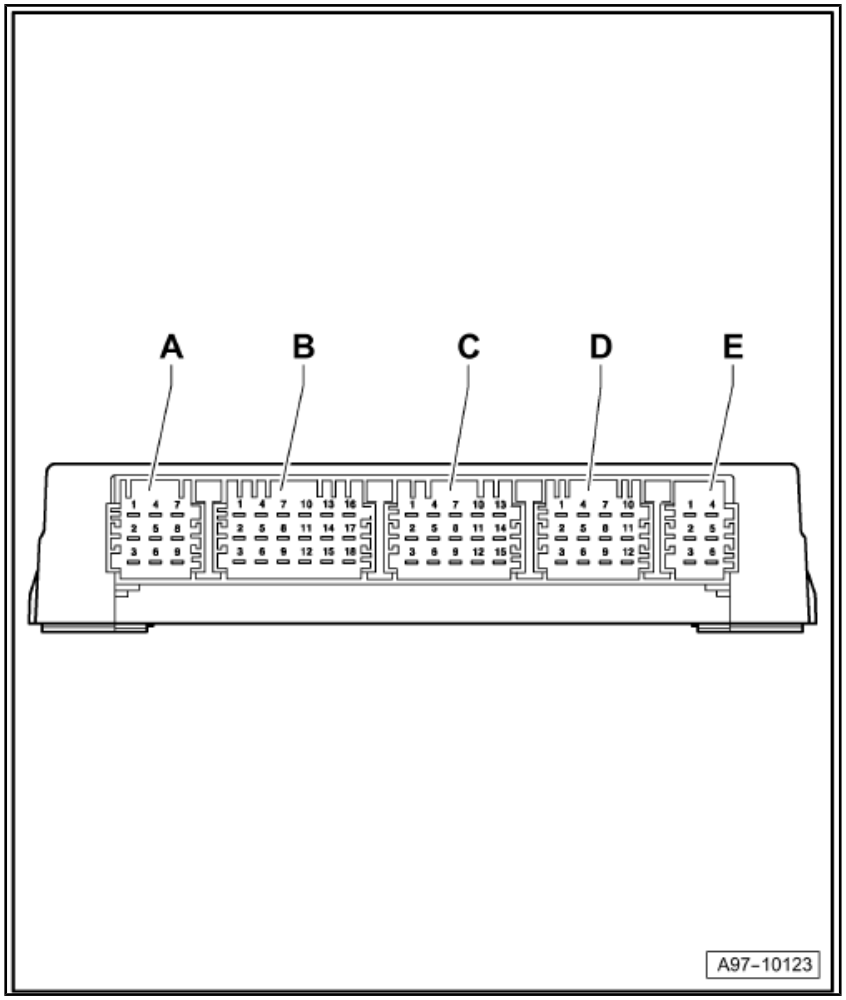
A - 9-pin connector, grey -T9-

B - 18-pin connector, grey -T18-

C - 15-pin connector, purple -T15a-

D - 12-pin connector, green -T12k-

E - 6-pin connector, blue -T6m-



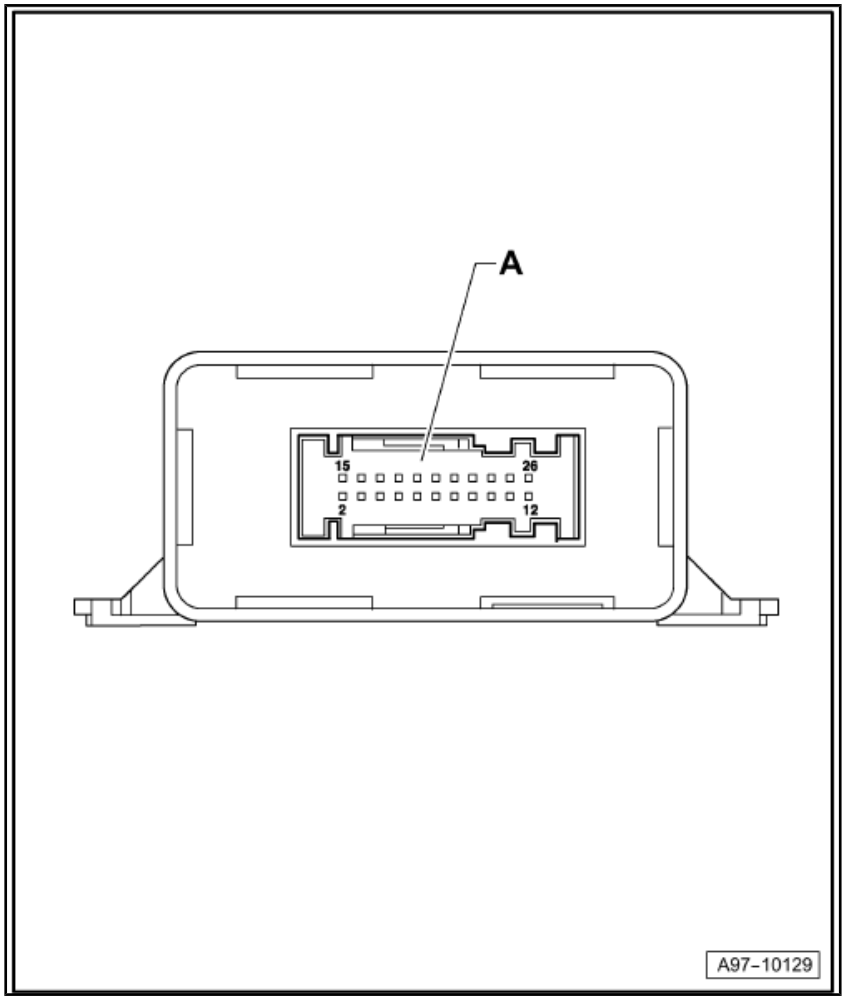
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1.4.3 Connector assignment.

Headlight range control, control unit -J431-

Connector:

A - 26-pin connector, black -T26-



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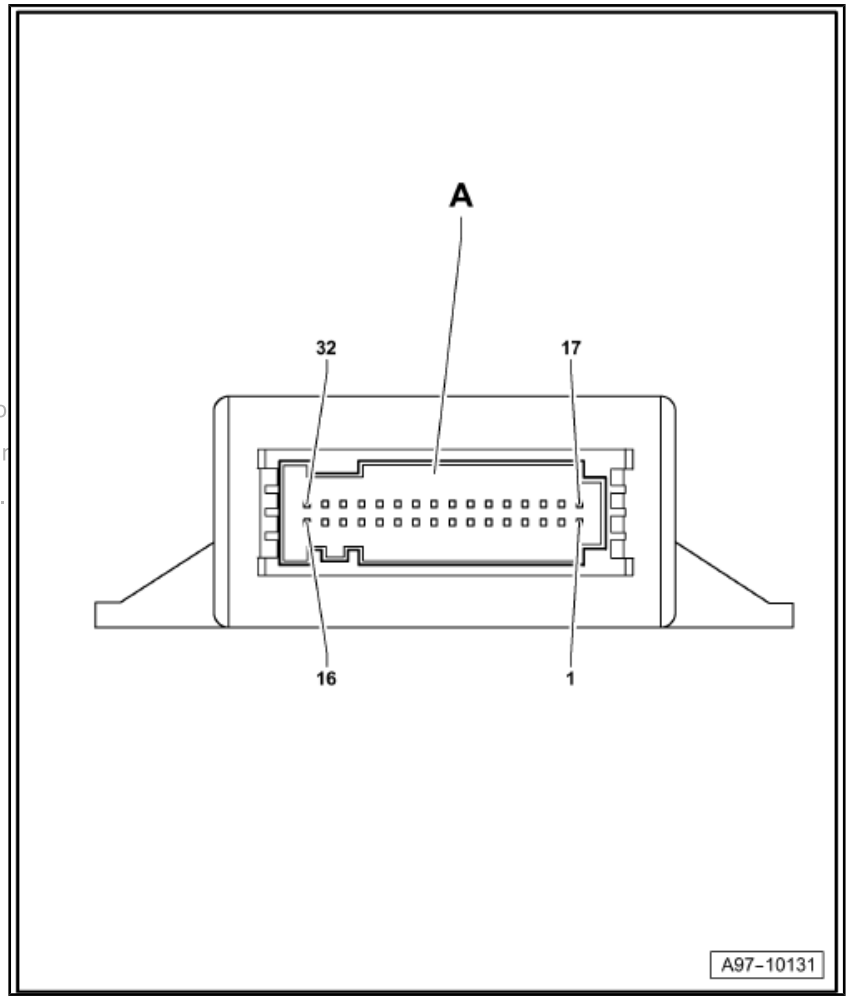
1.4.4 Connector assignment.

Tyre pressure monitor control unit -J502-

Connector:

A - 32-pin connector, white -T32e-

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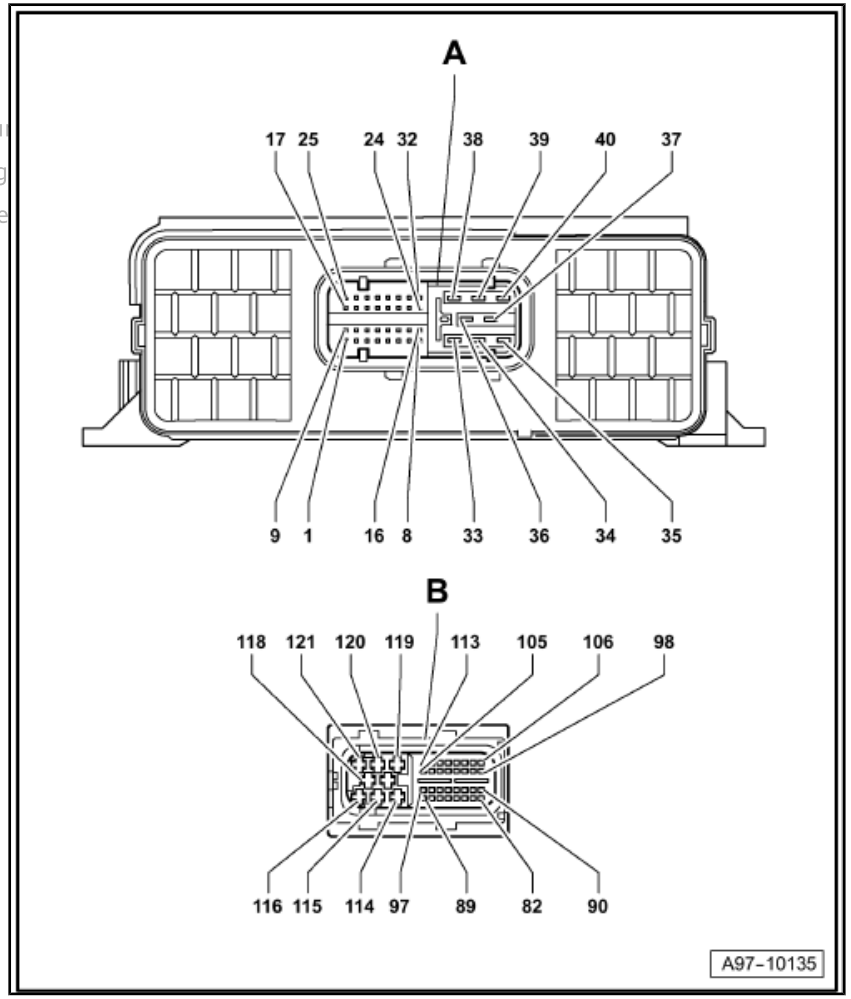
1.4.5 Connector assignment.

A - Onboard supply control unit 2 -J520-

Connector:

B - 40-pin connector, black -T40-

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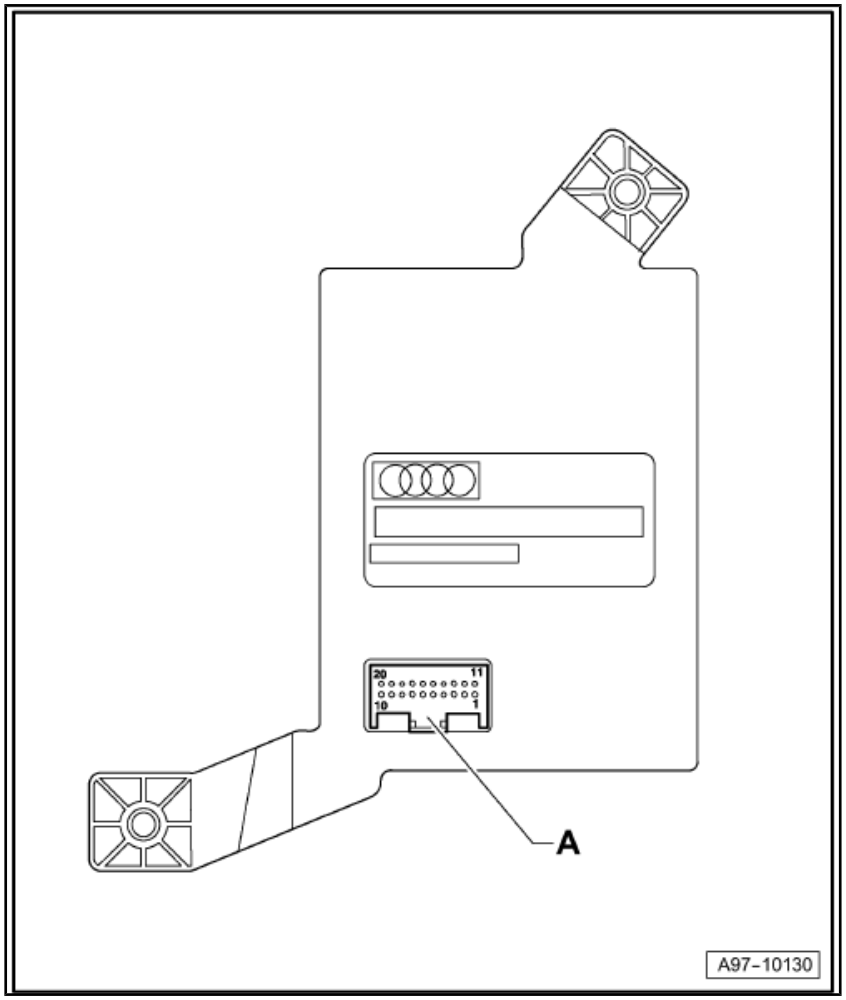


1.4.6 Connector assignment.

Aerial reader unit for keyless entry system -J723-

Connector:

A - 20-pin connector, red -T20-



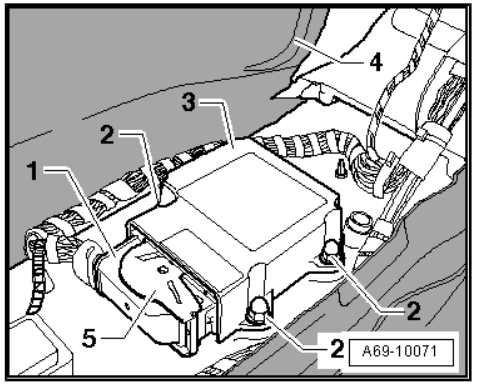
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1.5 Airbag control unit -J234-

1.5.1 Location:

Under lower centre console

3 - Airbag control unit -J234-



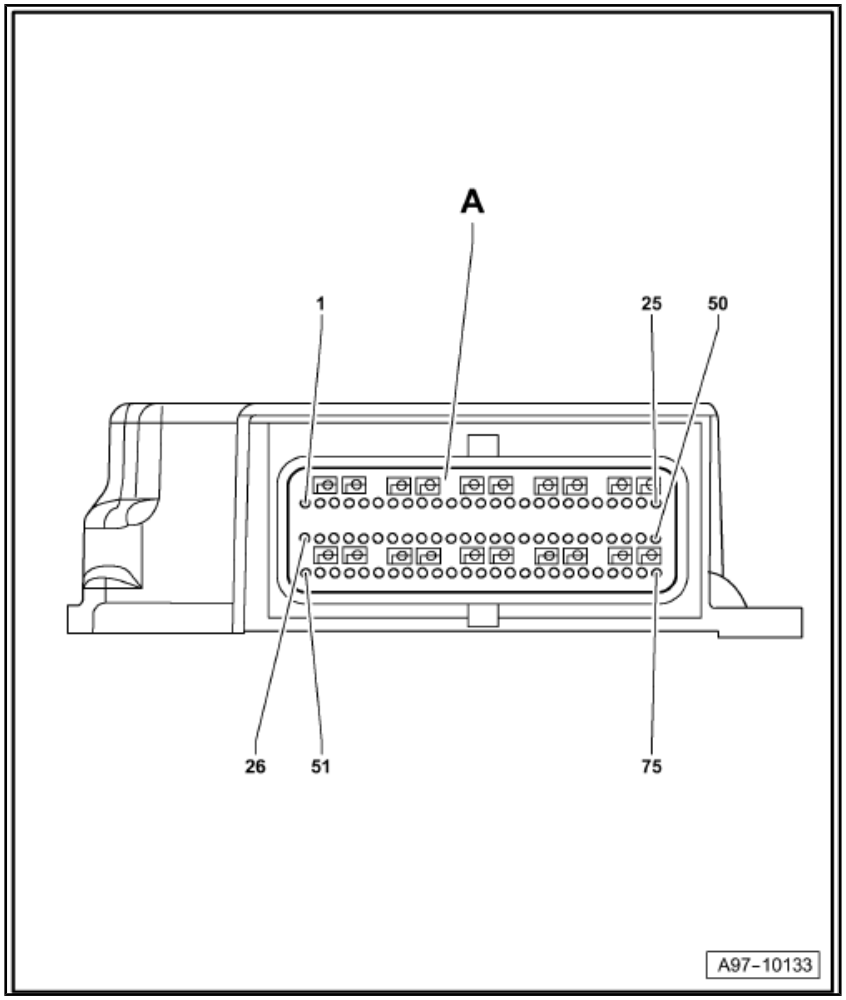
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1.5.2 Connector assignment.

Airbag control unit -J234-

Connector:

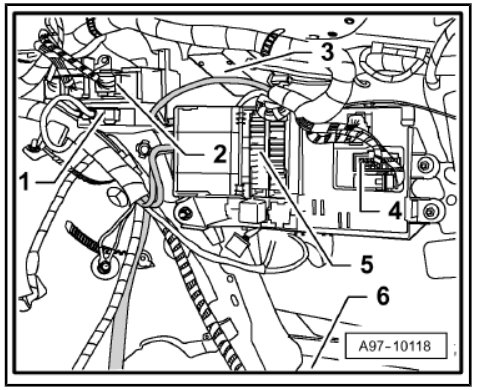
A - 75-pin connector, grey -T75- (USA: white)



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1.6 Control units on right in luggage compartment

1.6.1 Location:



1 - Parking aid control unit -J446-

2 - Trailer detector control unit -J345-

3 - Aerial amplifier for mobile telephone -R86

4 - Convenience system central control unit -J393-

5 - Relay and fuse carrier right in luggage compartment

6 - Electric park and handbrake control unit -J540-

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Note:

Parking aid control unit -J446- is installed under the tool kit in right side trim.

1.6.2 Connector assignment.

Trailer detector control unit -J345-

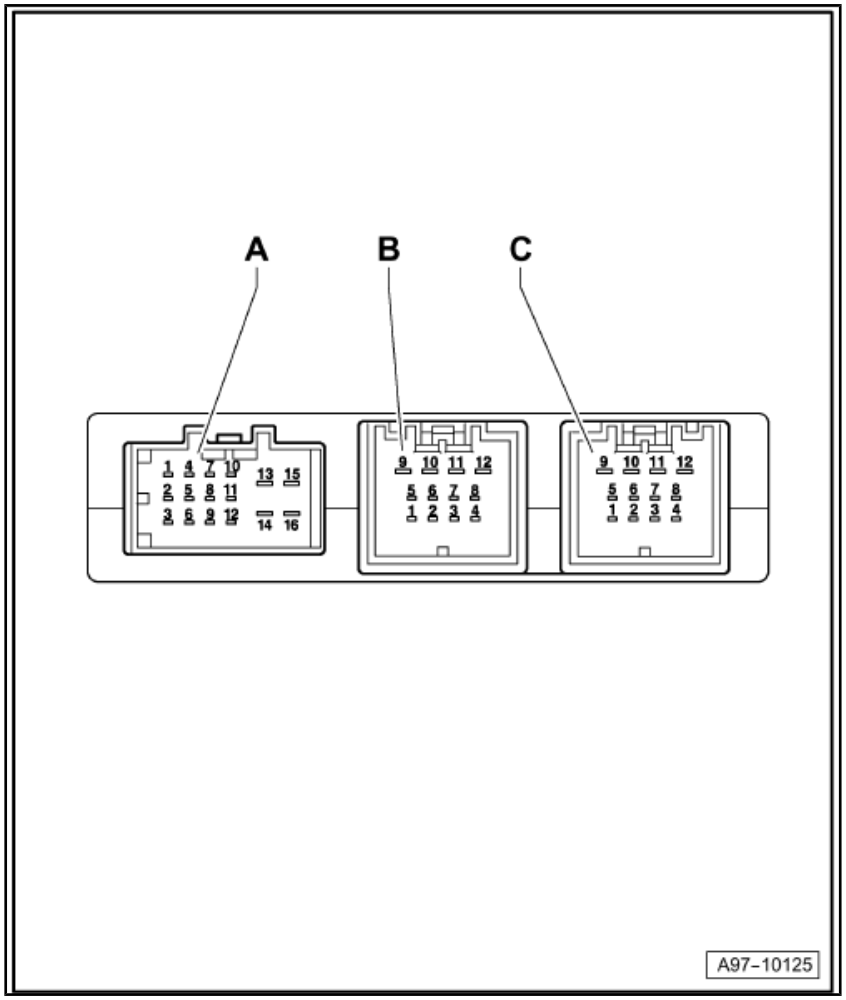
Connector:

A - 16-pin connector, black -T16f-

B - 12-pin connector, red -T12n-

C - 12-pin connector, blue -T12o-

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1.6.3 Connector assignment.

Parking aid control unit -J446-

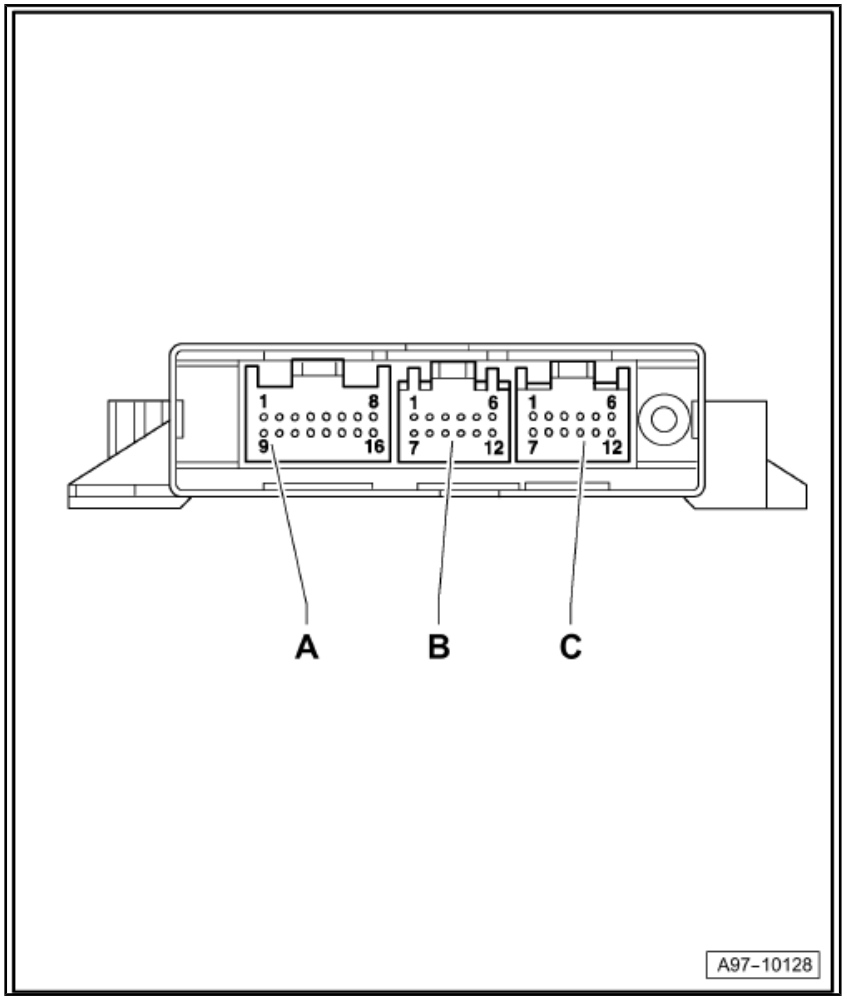
Connector:

A - 16-pin connector, brown -T16a-

B - 12-pin connector, brown -T12d-

C - 12-pin connector, black -T12e-

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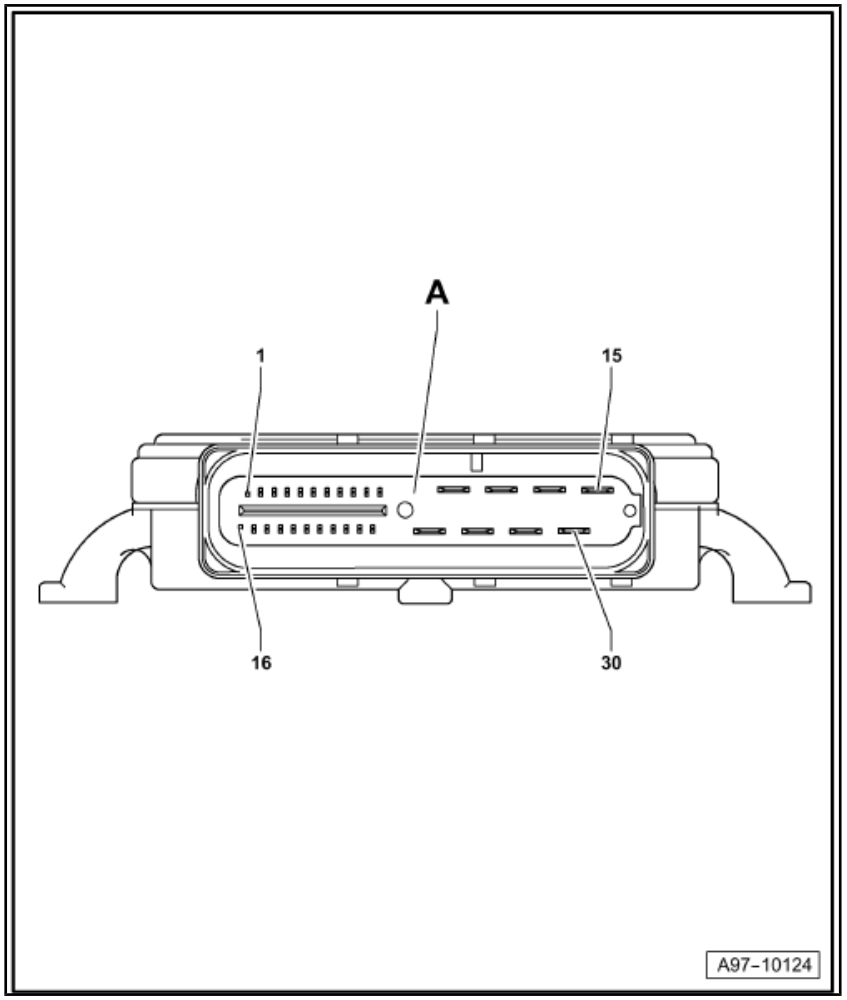


1.6.4 Connector assignment.

Electric park and handbrake control unit -J540-

Connector:

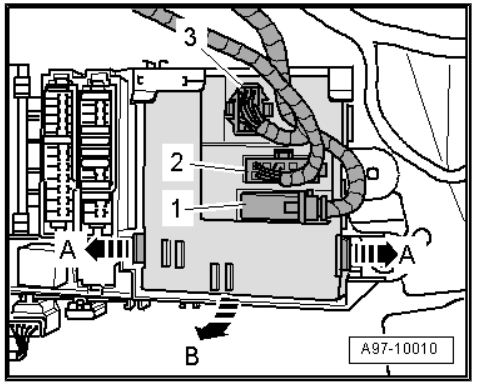
A - 30-pin connector, black -T30-



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1.7 Convenience system central control unit -J393-

1.7.1 Location:



on right in luggage compartment

1 - 32-pin connector, blue, connector B -T32d-

2 - 10-pin connector, black, connector C -T10y-

3 - 15-pin connector, brown, connector A -T15-

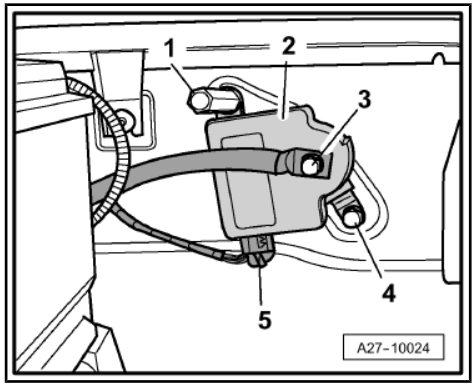
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1.8 Energy management control unit -J644-

1.8.1 Location:

In luggage compartment, behind the trim apron

2 - Energy management control unit -J644-



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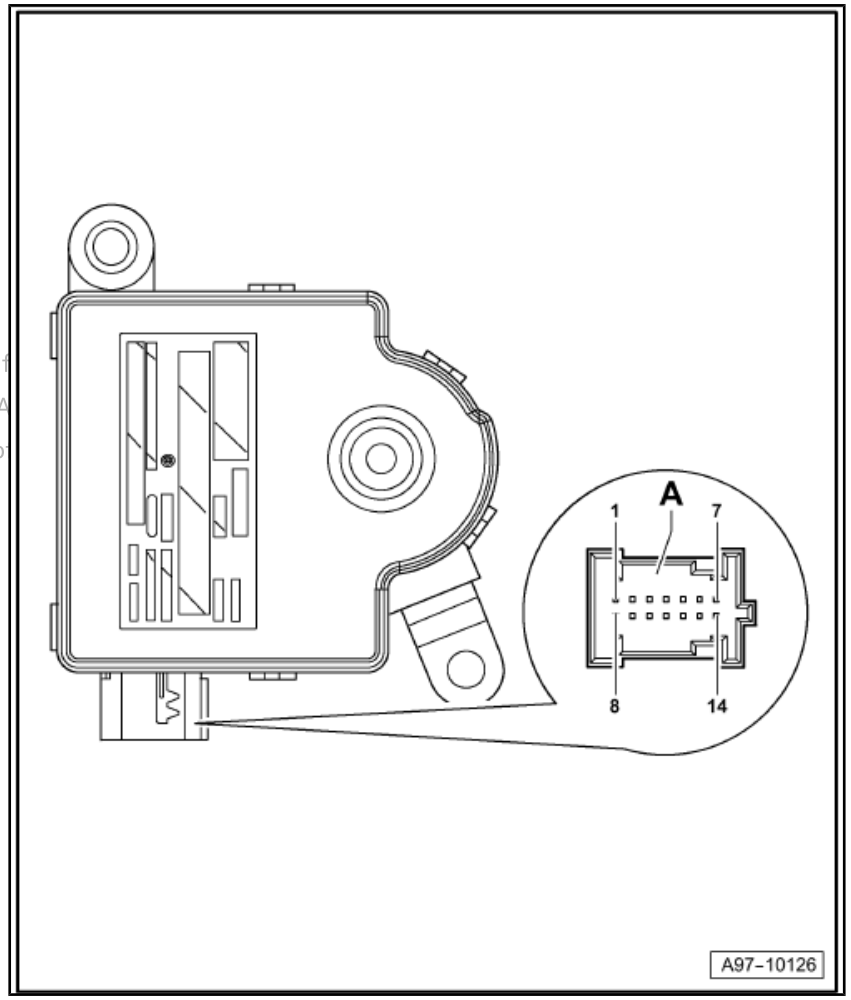
1.8.2 Connector assignment.

Energy management control unit -J644-

Connector:

A - 14-pin connector

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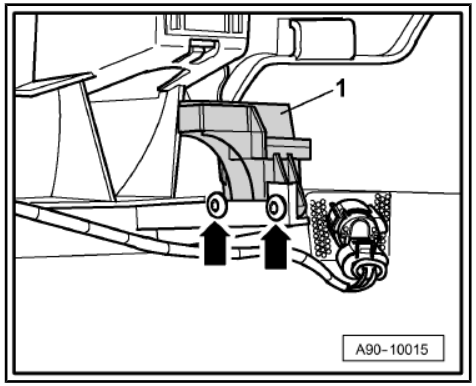


1.9 Radio controlled clock receiver -J489-

1.9.1 Location:

Behind the rear bumper cover next to the trailer socket

1 - Radio controlled clock receiver -J489-



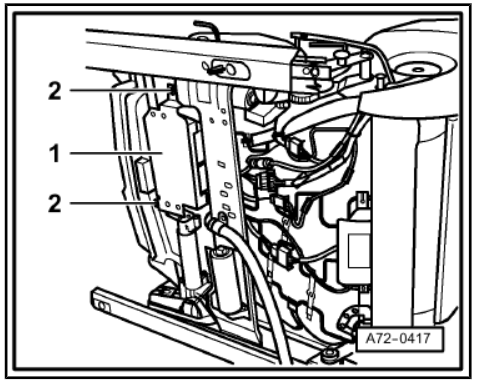
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1.10 Seat and steering column adjustment control unit with memory -J136-, front passenger seat adjustment with memory control unit -J521-

1.10.1 Location:

In lower driver seat or front passenger seat

1 - Seat and steering column adjustment control unit with memory -J136-, front passenger seat adjustment with memory control unit -J521-



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1.10.2 Connector assignment.

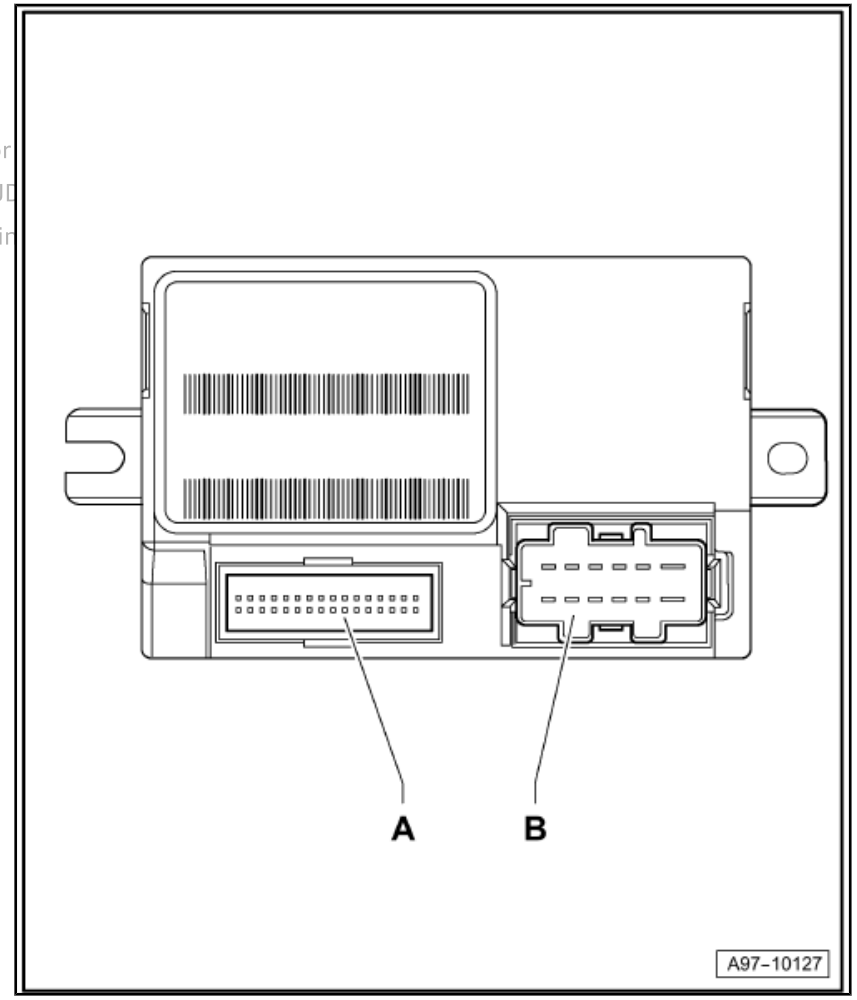
Seat and steering column adjustment control unit with memory -J136-, front passenger seat adjustment with memory control unit -J521-

Connector:

A - 32-pin connector -T32a- or -T32b-

B - 12-pin connector -T12l- or -T12m-

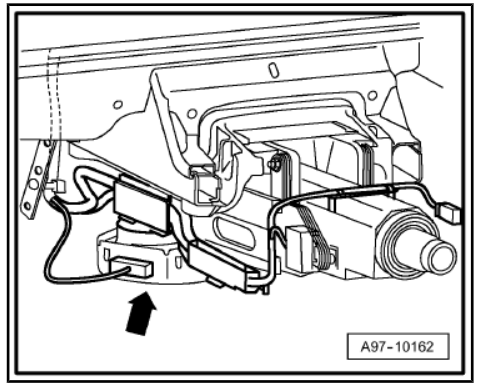
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1.11 Entry and start authorisation control unit -J518-

1.11.1 Location:

on steering column -arrow-



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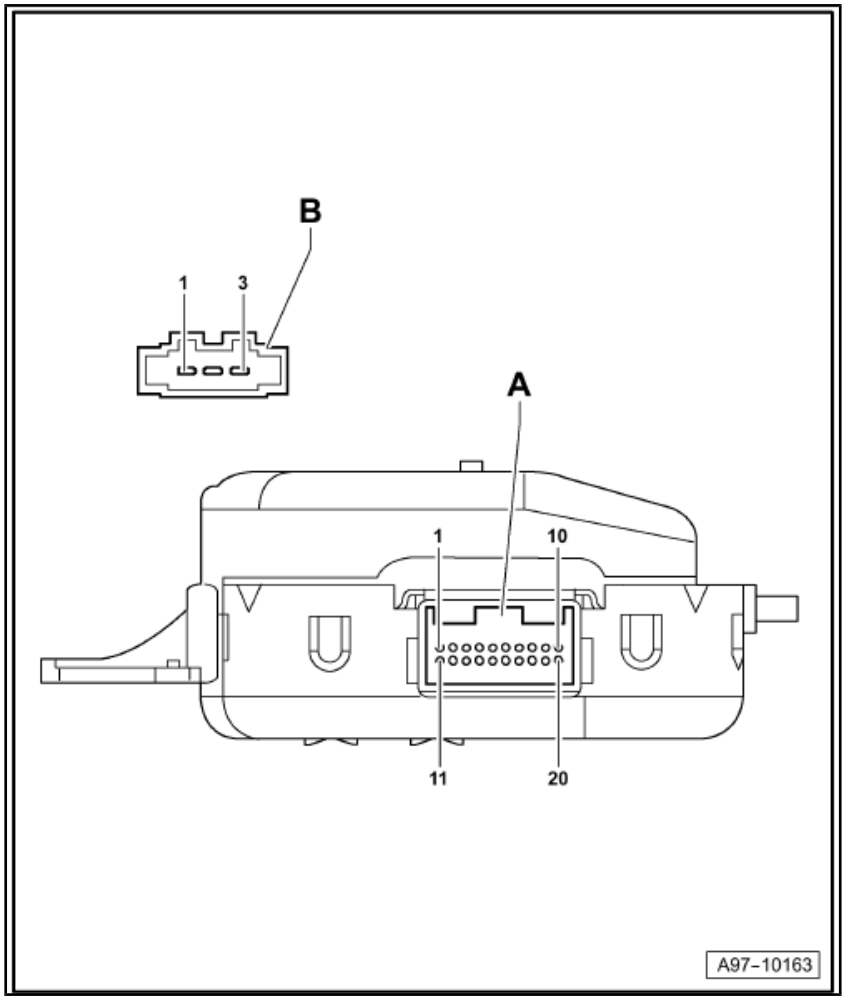
1.11.2 Connector assignment.

Entry and start authorisation control unit -J518-

Connector:

A - 20-pin connector, black -T20h-

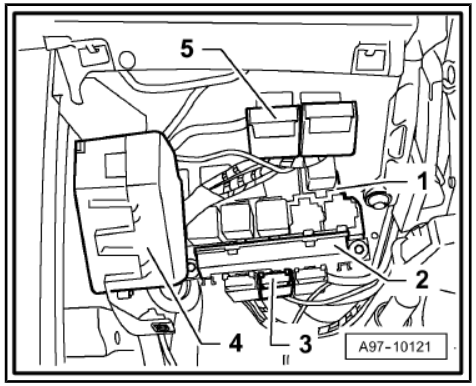
B - 3-pin connector, black -T3q-



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1.12 Behind driver storage compartment control units

1.12.1 Location:



1 - 9 point relay and fuse carrier

2 - Onboard power supply control unit -J519-

3 - Fuses on onboard supply control unit -J519-

4 - Fuse carrier, left dash panel

5 - Relay and fuse carrier on steering cross member

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1.12.2 Connector assignment.

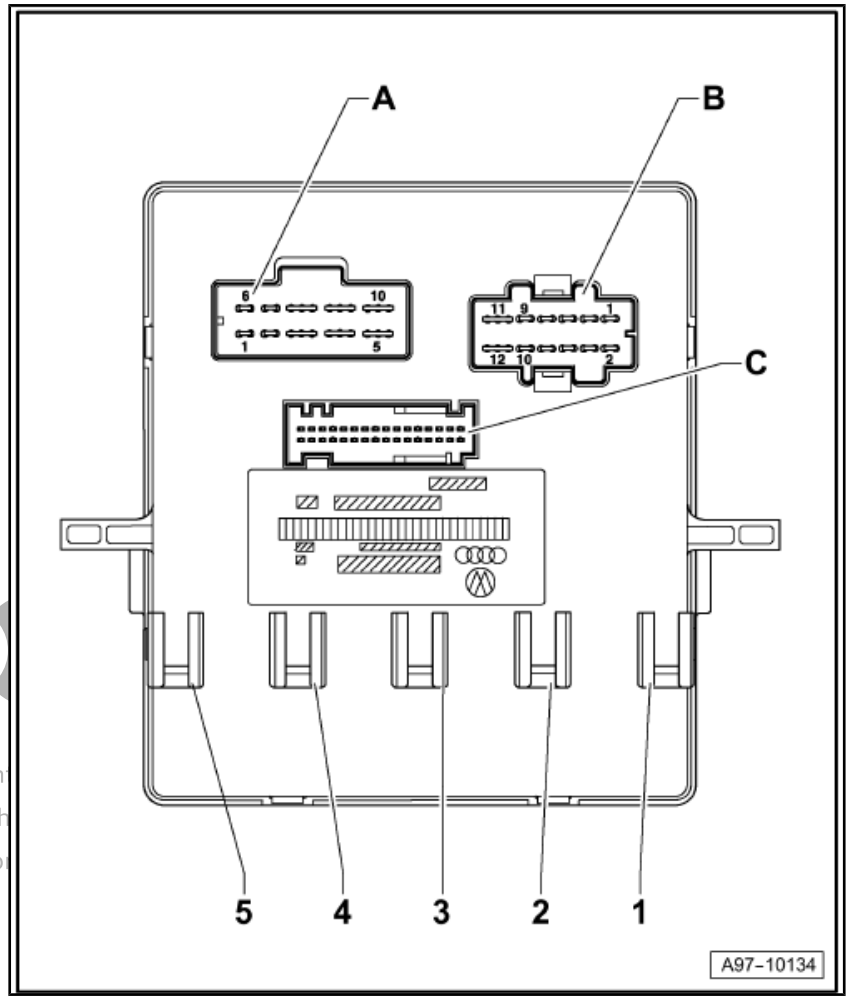
Onboard power supply control unit -J519-

Connector:

A - 10-pin connector, black -T10-

B - 12-pin connector, black -T12-

C - 32-pin connector, white -T32c-



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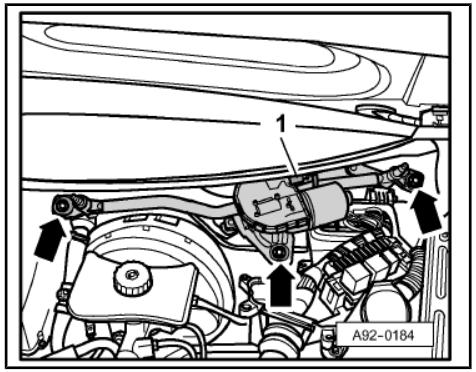
1.13 Wiper motor control unit -J400-

1.13.1 Location:

On left in plenum chamber, left-hand drive

on right in plenum chamber, right-hand drive

1 - Wiper motor control unit -J400-

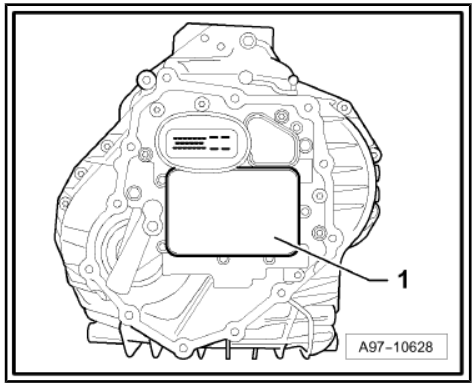


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1.14 Automatic gearbox control unit -J217-

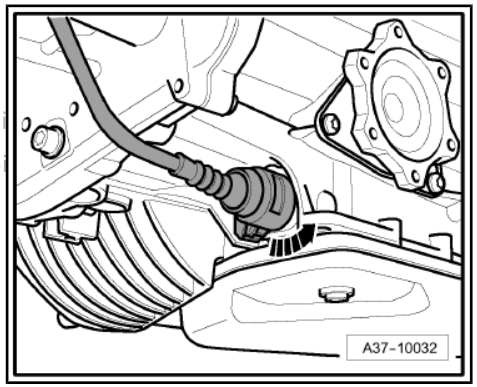
1.14.1 Location:

on gearbox (Item 1) multitronic



1.14.2 Location:

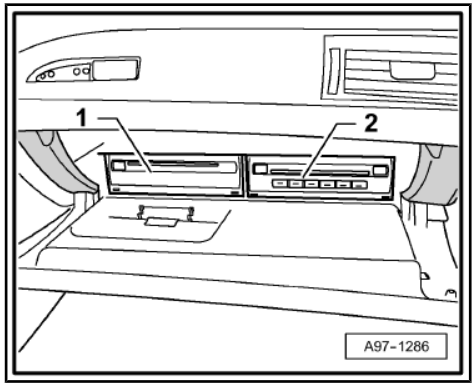
on lower gearbox (arrow) gearbox 09L



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1.15 Drives in glove box

1.15.1 Location:



1 - Media player in position 1 -R118-

- MMI basic:

- Front information display and operating unit control unit -J523- includes

- Radio -R-

- Digital sound package control unit -J525-

- CD player -R89-

- MMI basic plus:

- Front information display and operating unit control unit -J523- includes

- Radio -R-

- CD player -R89-

- Navigation system with CD drive control unit -J401- (basic plus navigation system)

- MMI:

- CD changer -R41-

2 - Media player in position 2 -R119-

- CD changer -R41-

- MiniDisc player -R153-

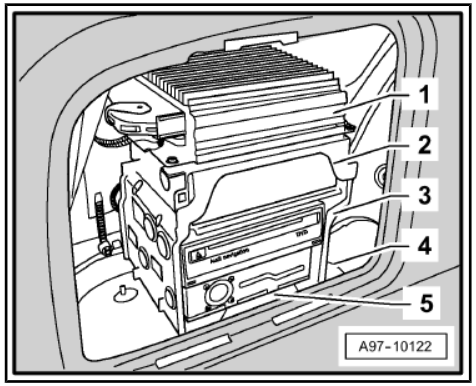
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Note:

In right-hand drive, item 1 is located on right, item 2 on left.

1.16 Control units on left in luggage compartment

1.16.1 Location:



1 - Digital sound package control unit -J525-

2 - Radio -R- and speech input control unit -J507- (MMI)

3 - Navigation system with CD drive control unit -J401- (MMI)

4 - TV tuner -R78-

5 - Amplifier -R12- (auxiliary amplifier)

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1.17 Control unit in dash panel insert -J285-

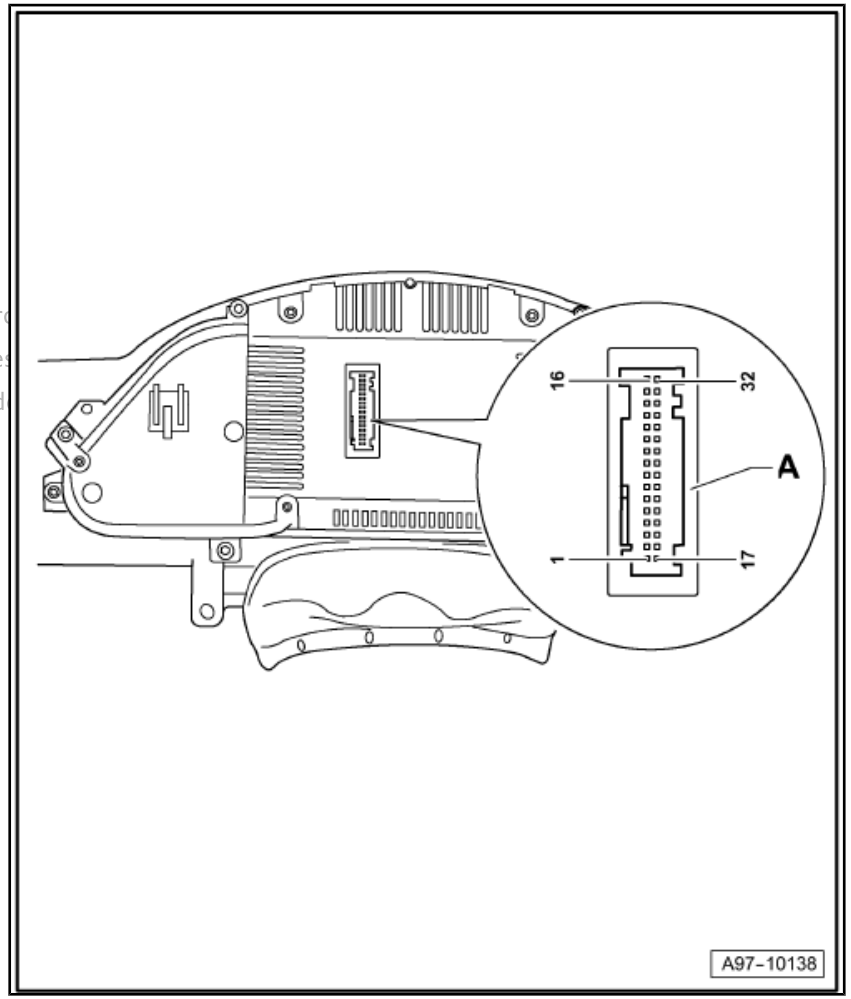
1.17.1 Connector assignment.

Control unit in dash panel insert -J285-

Connector:

A - 32-pin connector, grey -T32-

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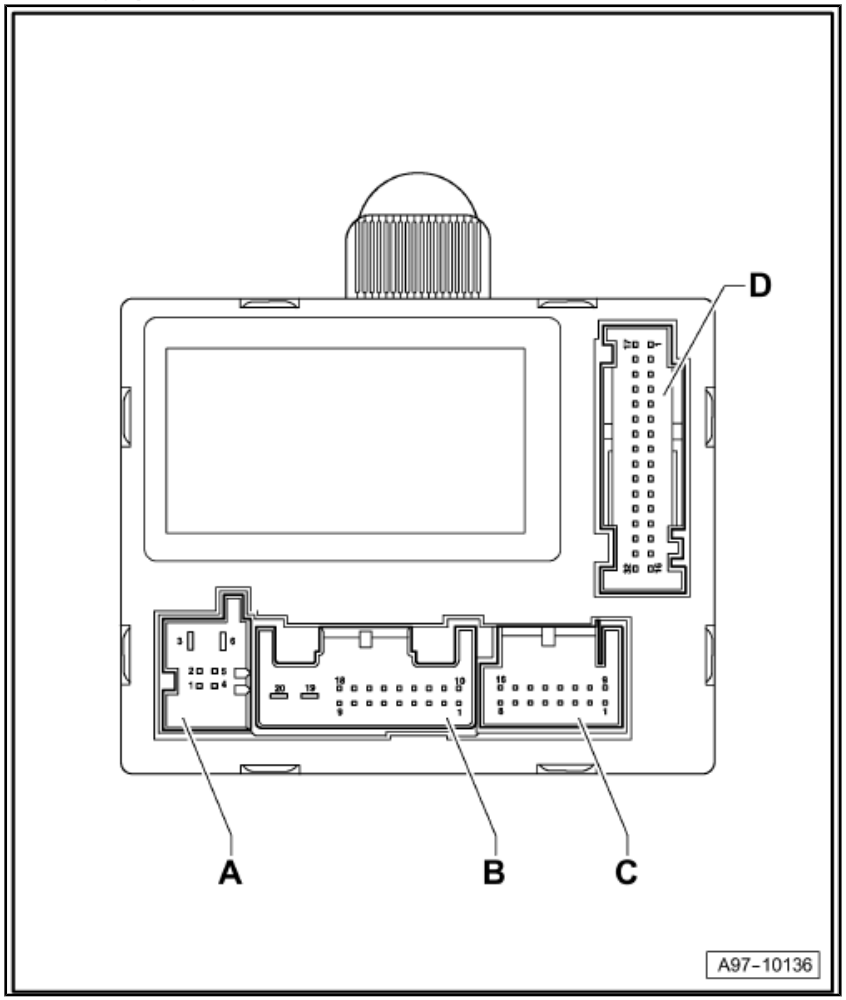
1.18 Driver door control unit -J386-, front passenger side door control unit -J387-, rear left door control unit -J388-, rear right door control unit -J389-

1.18.1 Connector assignment.

Driver door control unit -J386-, front passenger side door control unit -J387-, rear left door control unit -J388-, rear right door control unit -J389-

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Connector:



A - 6-pin connector, black -T6t-, -T6u-, -T6v-, -T6w-

B - 20-pin connector, black -T20i-, -T20k-, -T20l-, -T20m-

C - 16-pin connector, black -T16g-, -T16h-, -T16i-, -T16k-

D - 32-pin connector, white -T32g-, -T32h-

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1 Coupling stations and connectors from wiring harness set

1.1 Overview of coupling stations and connectors

1 - Position electronics box right in plenum chamber

- ❑ Location ⇒ page 4

2 - Coupling station on lower right of A-pillar, behind the side trim

- ❑ Pin connectors: -T10f-, -T10g-, -T10h-, -T17i-, -T17k-, -T17l-
- ❑ Location ⇒ page 6

3 - Coupling station seat wiring under front passenger seat

- ❑ Pin connectors: -T3g-, -T6f-, -T10k-, -T10m-
- ❑ Location ⇒ page 8

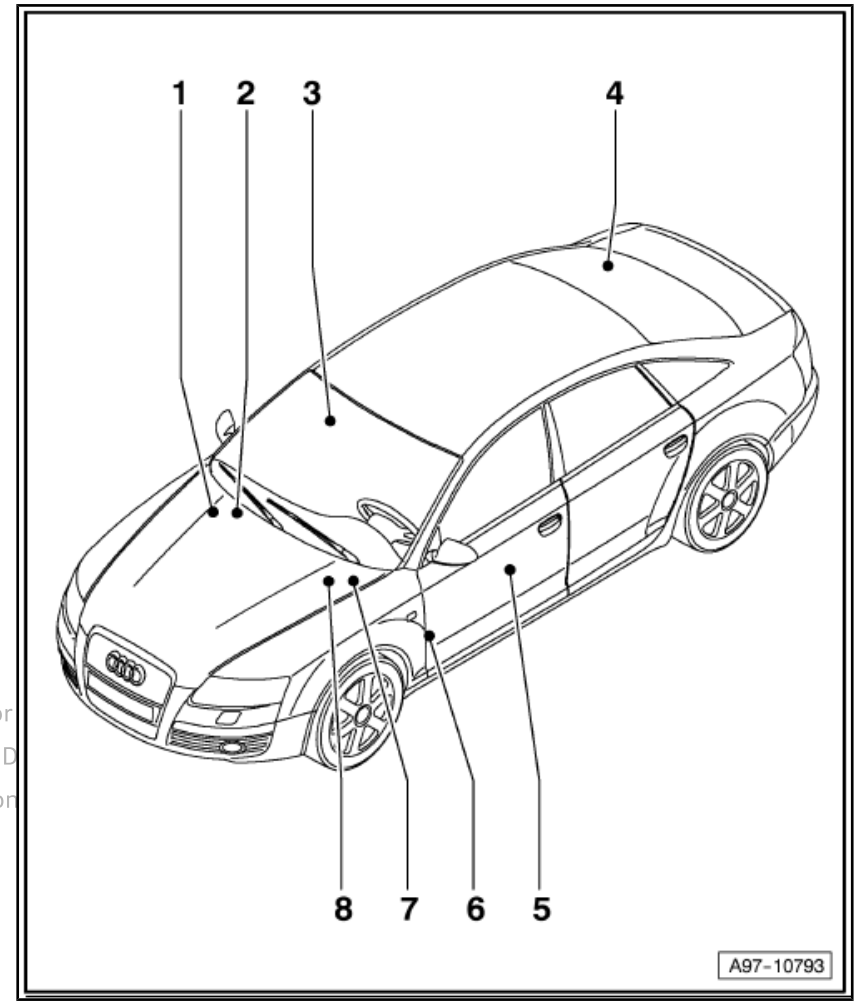
4 - Connector, on right in luggage compartment

- ❑ Pin connectors: -T5-, -T3v-
- ❑ Location ⇒ page 10

5 - Coupling station seat wiring under driver seat

- ❑ Pin connectors: -T3f-, -T6e-, -T10i-, -T10l-
- ❑ Location ⇒ page 7

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6 -
Coupling station on lower left of A-pillar, behind the side trim

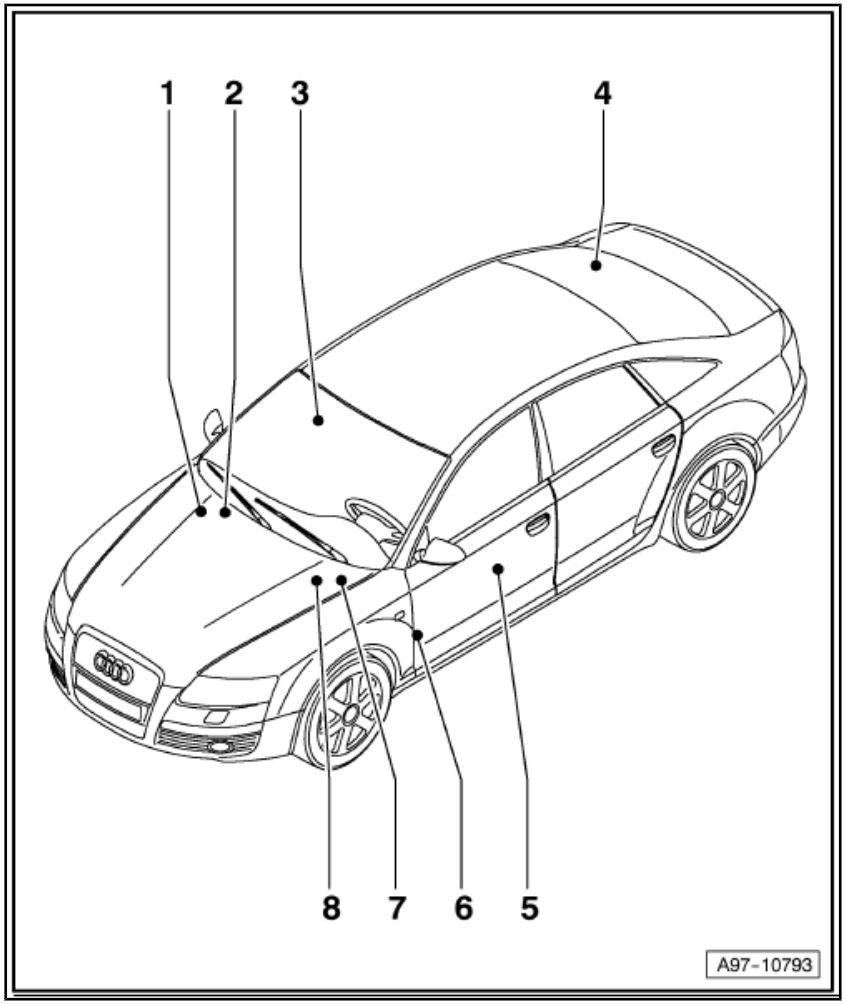
- ❑ Pin connectors: -T1a-, -T10b-, -T10e-, -T17d-, -T17e-, -T17f-, -T17g-
- ❑ Location ⇒ page 5

7 -
Coupling station electronics box in plenum chamber

- ❑ Pin connectors: -T10a-, -T10v-, -T17a-, -T17b-, -T17c-, -T17h-, -T17o-
- ❑ Location ⇒ page 9

8 - Position electronics box left in plenum chamber

- ❑ Location ⇒ page 3



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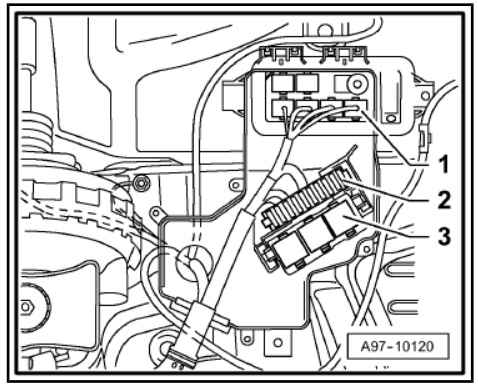
1.2 Position electronics box left in plenum chamber

1.2.1 Location:

1 - Coupling station electronics box in plenum chamber

2 - Fuse holder electronics box in plenum chamber

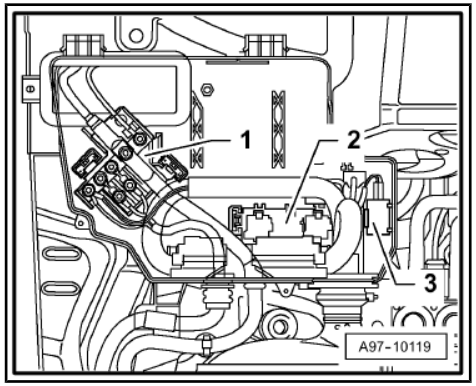
3 - Relay carrier electronics box in plenum chamber



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1.3 Position electronics box right in plenum chamber

1.3.1 Location:



1 - Main fuse carrier

2 - 4 point relay and fuse carrier

3 - Condenser blower -C24-

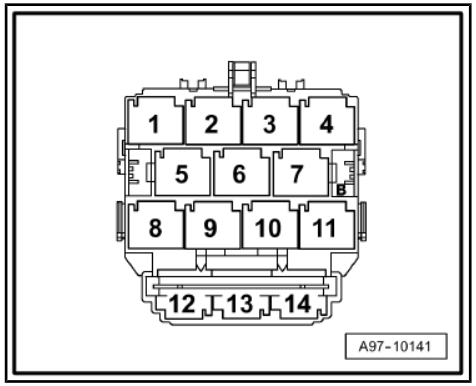
Note:

The condenser blower -C24- is connected between earth and connection 1 on main fuse carrier.

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1.4 Coupling station on left of A-pillar

1.4.1 Location:



lower left A-pillar, behind the trim

4 - 17-pin connector, red -T17e- (from November 2005)

6 - 17-pin connector, red -T17e- (up to October 2005)

7 - 10-pin connector, blue -T10b-

8 - 10-pin connector, grey -T10e-

9 - 17-pin connector, black -T17d-

10 - 17-pin connector, green -T17f- (up to October 2005)

10 - 17-pin connector, brown -T17g- (from November 2005)

11 - 17-pin connector, brown -T17g- (up to October 2005)

11 - 17-pin connector, green -T17f- (from November 2005)

B - Single connector, black -T1a- (is dropped, from model year 2007)

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1.5 Coupling station on right of A-pillar

1.5.1 Location:

lower right A-pillar, behind the trim

2 - 17-pin connector, brown -T17l-

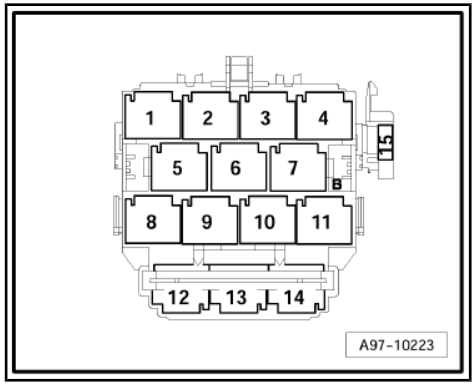
3 - 10-pin connector, light-pink -T10h-

6 - 17-pin connector, orange -T17k-

8 - 10-pin connector, white -T10f-

9 - 10-pin connector, black -T10g-

10 - 17-pin connector, red -T17i-



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1.6 Coupling station seat wiring under driver seat

1.6.1 Location:

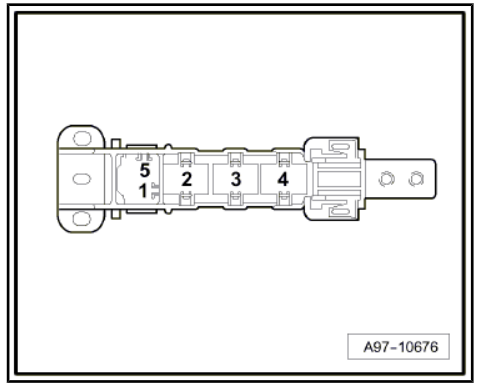
1 - 3-pin connector, yellow -T3f-

2 - 10-pin connector, red -T10i-

3 - 6-pin connector, green -T6e-

4 - 10-pin connector, black -T10l-

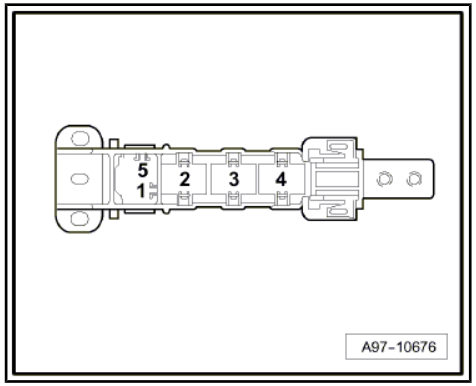
5 - 2-pin connector, black -T2ba-



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1.7 Coupling station seat wiring under front passenger seat

1.7.1 Location:



1 - 3-pin connector, yellow -T3g-

2 - 10-pin connector, red -T10k-

3 - 6-pin connector, green -T6f-

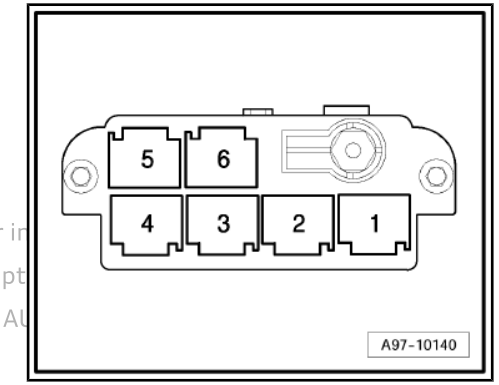
4 - 10-pin connector, black -T10m-

5 - 2-pin connector, black -T2bb-

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1.8 Coupling station electronics box in plenum chamber

1.8.1 Location:



1 - 17-pin connector, red -T17a-

2 - 17-pin connector, black -T17b- (up to model year 2006)

2 - 17-pin connector, brown -T17o- (from model year 2007)

3 - 17-pin connector, white -T17c-

4 - 10-pin connector, white -T10v-

5 - 10-pin connector, purple -T10a-

6 - 17-pin connector, orange -T17h-

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1.9 Connector, on right in luggage compartment

A - Connector -T5- to battery cut-off relay -J655-

- ❑ applicable up to about week 26.04
- ❑ is dropped, from model year 2007

A - Connector -T3v- to battery isolation igniter -N253-

- ❑ applicable from about week 27.04
- ❑ is dropped, from model year 2007

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