Basic equipment

from model year 2001

Notes:

For information concerning

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

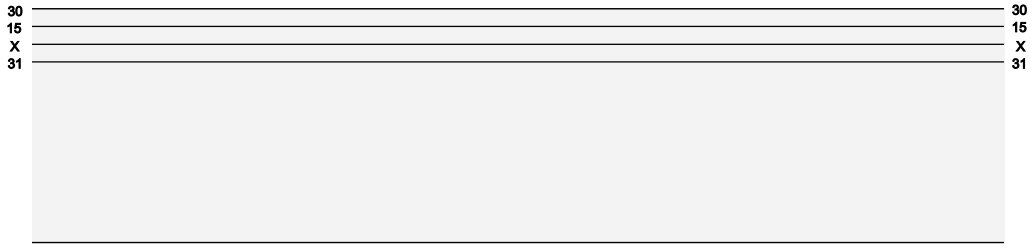
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

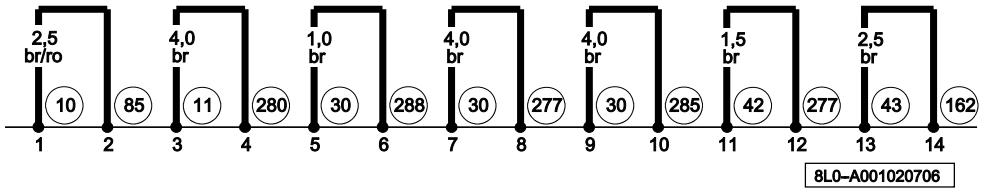
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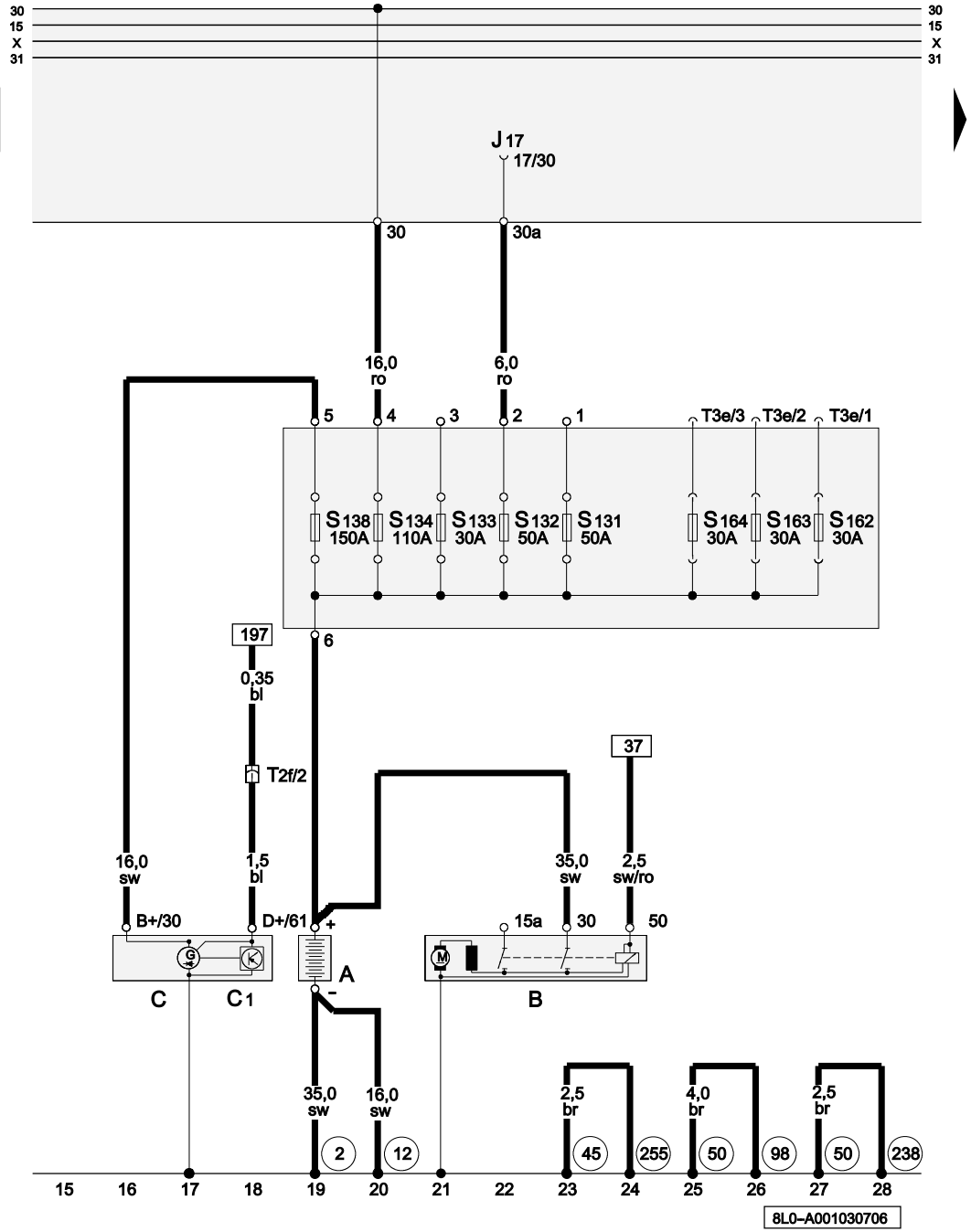
Earth points, earth connections

10	Earth point, in plenum chamber
11	Earth point, in battery box
30	Earth point 1, next to relay plate
42	Earth point, next to steering column
43	Earth point, lower part of right A-pillar
85	Earth connection 1, in engine compartment wiring harness
162	Earth connection, in blower motor wiring harness
277	Earth connection 3, in interior wiring harness
280	Earth connection, in communications wiring harness
285	Earth connection 7, in interior wiring harness
288	Earth connection (HRC), in dash panel wiring harness

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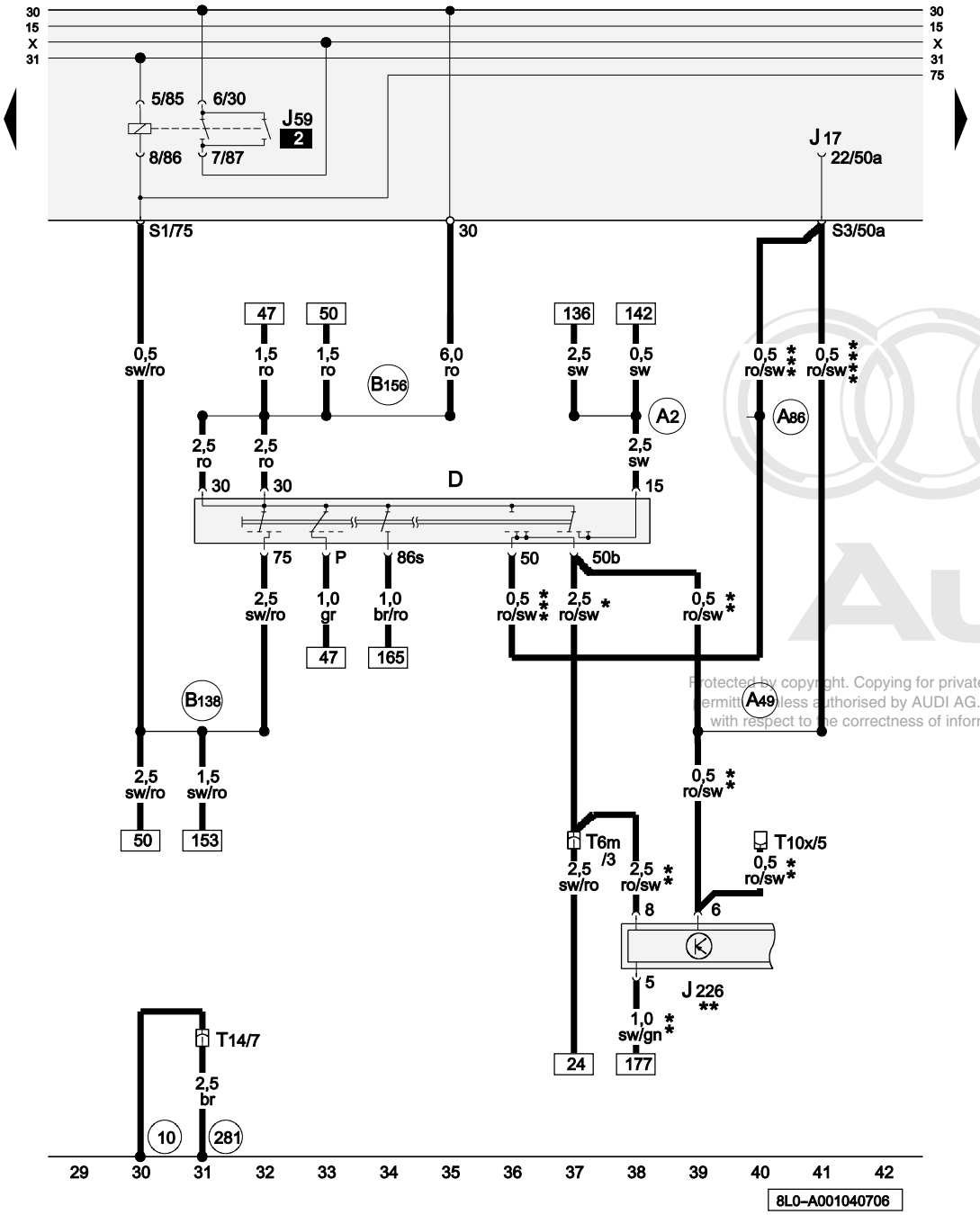


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Earth connections, battery, main fuse box, alternator

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J17	Fuel pump relay
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
S138	Fuse 5
S162	Fuse 1 (30) in fuse holder on battery
S163	Fuse 2 (30) in fuse holder on battery
S164	Fuse 3 (30) in fuse holder on battery
T2f	2-pin connector, alternator, in left engine compartment
T3e	3-pin connector, black, on main fuse box
2	Earth strap, gearbox - body
12	Earth point, on left in engine compartment
45	Earth point, centre behind dash panel
50	Earth point, on left in luggage compartment
98	Earth connection, in rear lid wiring harness
238	Earth connection 1, in interior wiring harness
255	Earth connection 1, in radio wiring harness

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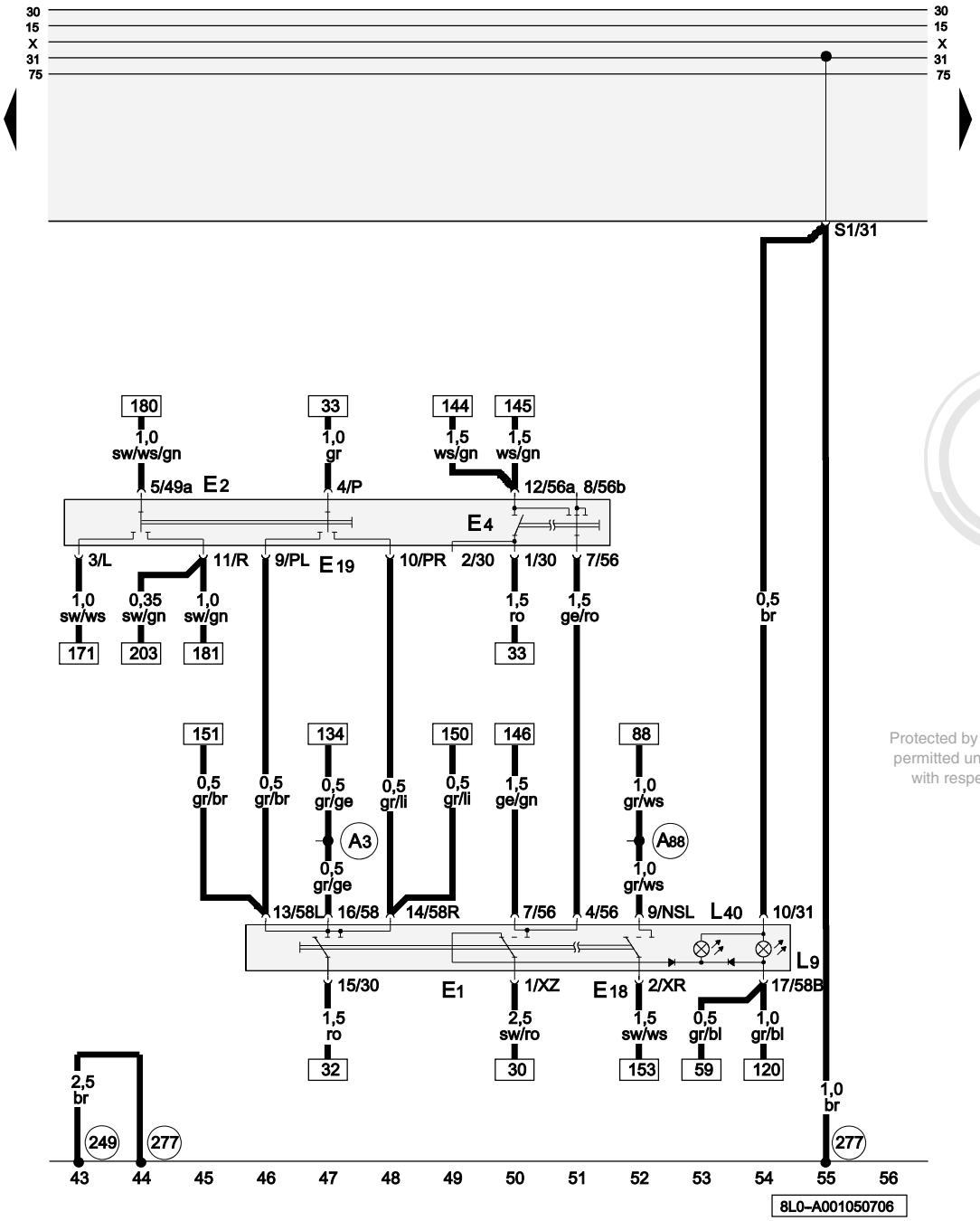
Ignition/starter switch, X-contact relief relay, starter inhibitor and reversing light relay

D	Ignition/starter switch
J17	Fuel pump relay
J59	X-contact relief relay
J226	Starter inhibitor and reversing light relay
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in left engine compartment
10	Earth point, in plenum chamber
281	Earth connection 1, in engine harness
A2	Positive connection (15), in dash panel wiring harness
A49	Connection 1, in dash panel wiring harness
A86	Connection (50a), in dash panel wiring harness
B138	Positive connection (X), in interior wiring harness
B156	Positive connection (30a), in interior wiring harness

*	for manual gearbox only
**	for automatic gearbox only
***	for petrol engines with manual gearbox only
****	for petrol engines with automatic gearbox only

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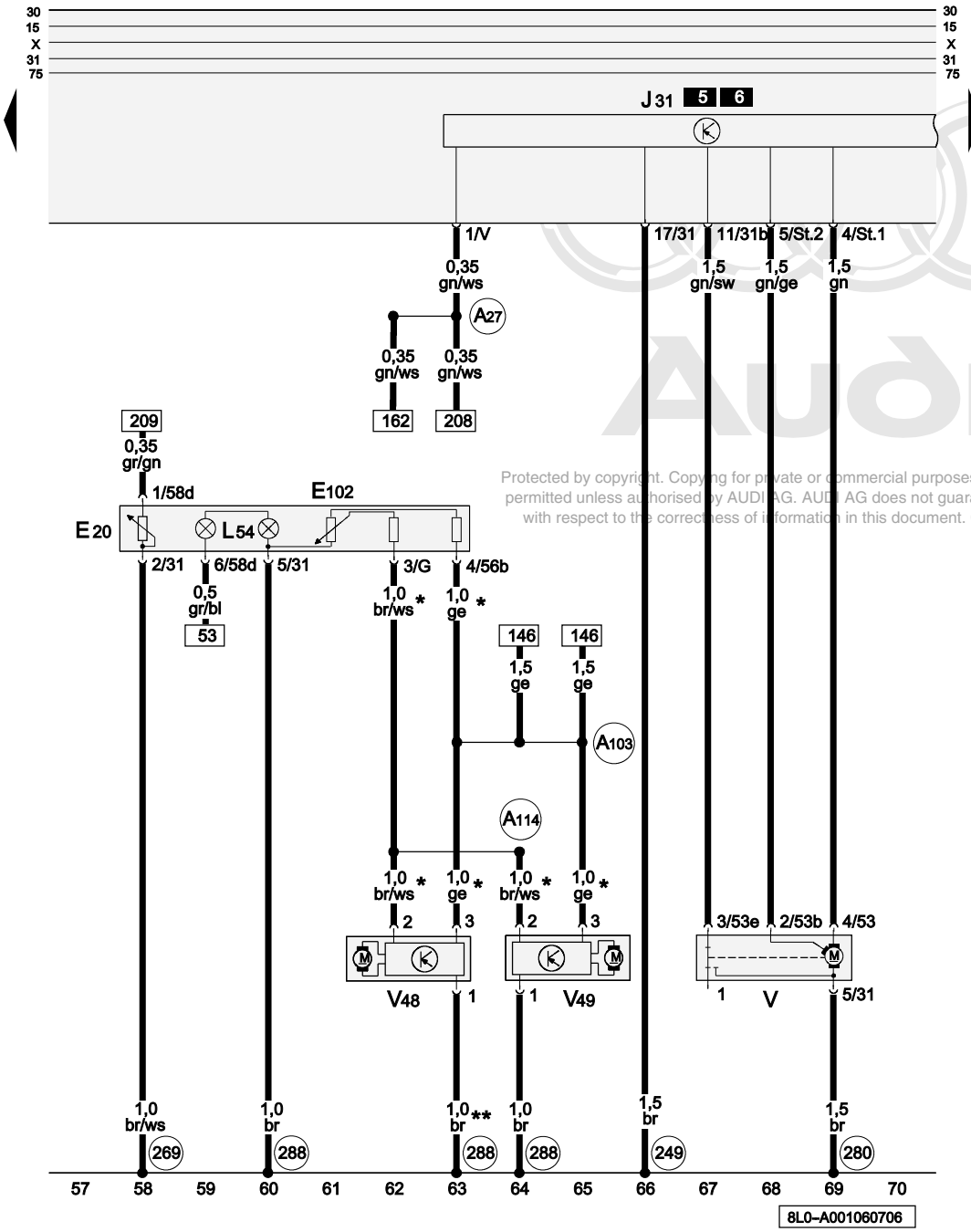


Light switch, left steering column switch

E1	Light switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
E19	Parking light switch
L9	Light switch illumination bulb
L40	Front and rear fog light switch illumination bulb
249	Earth connection 2, in interior wiring harness
277	Earth connection 3, in interior wiring harness
A3	Positive connection (58), in dash panel wiring harness
A88	Connection (RFL), in dash panel wiring harness

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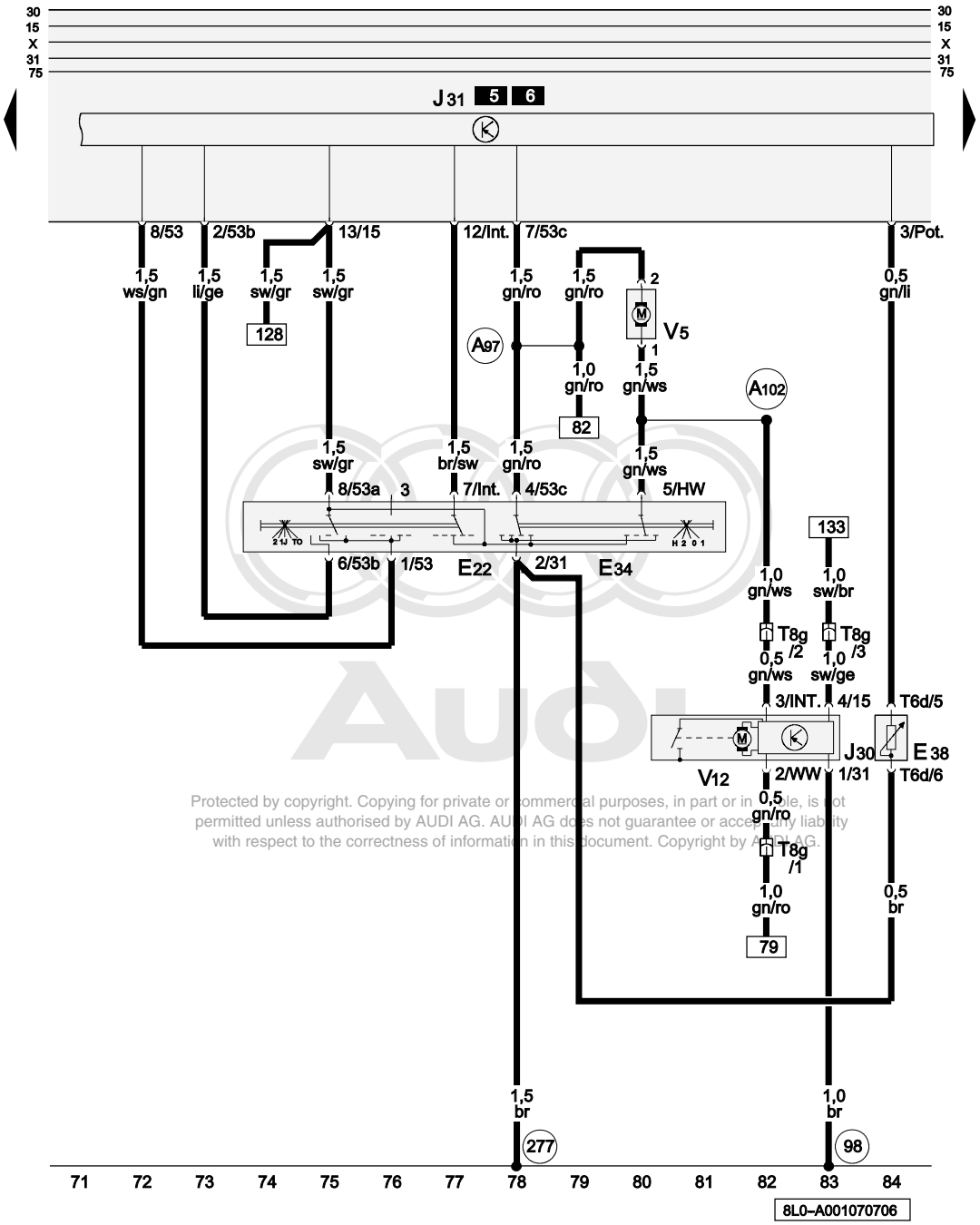


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Illumination regulators - switches and instruments, windscreen washer/wiper system, headlight range control (not for headlight for gaseous discharge light)

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J31	Automatic intermittent wash and wipe relay
L54	Headlight range control regulator illumination bulb
V	Windscreen wiper motor
V48	Left headlight range control motor
V49	Right headlight range control motor
249	Earth connection 2, in interior wiring harness
269	Earth connection (sender earth) 1, in dash panel wiring harness
280	Earth connection, in communications wiring harness
288	Earth connection (HRC), in dash panel wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A103	Connection 2 (56), in dash panel wiring harness
A114	Connection (headlight range control), in dash panel wiring harness
*	not for 1.8 l - Turbo-Motronic 154 kW, 4 cylinder

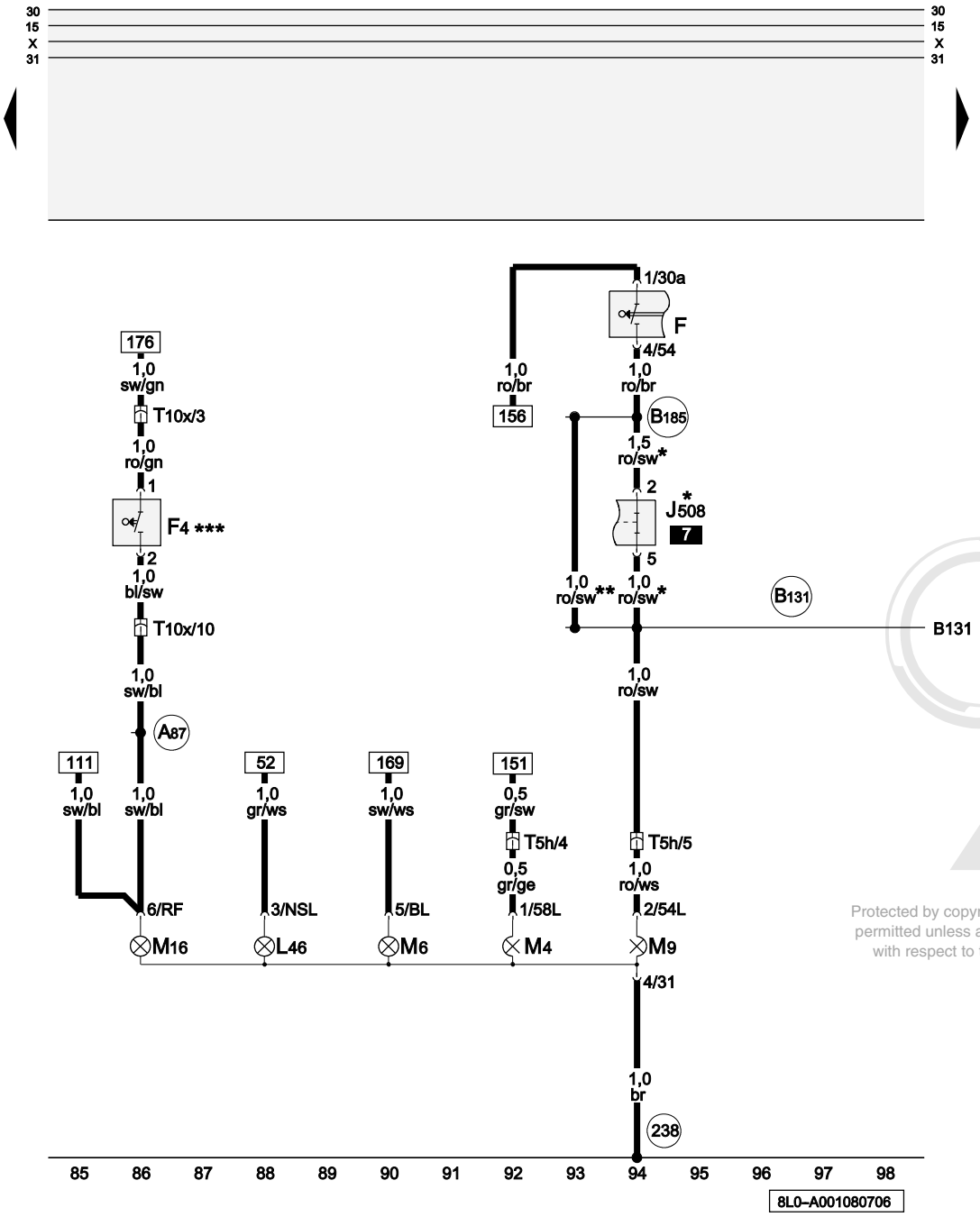


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Right steering column switch, windscreen washer/wiper system, rear wiper

E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper regulator
J30	Rear window wiper and washer relay
J31	Automatic intermittent wash and wipe relay
T6d	6-pin connector, brown, behind steering column switch trim
T8g	8-pin connector, brown, on left in luggage compartment
V5	Washer pump
V12	Rear window wiper motor
98	Earth connection, in rear lid wiring harness
277	Earth connection 3, in interior wiring harness
A97	Connection (53), in dash panel wiring harness
A102	Connection (windscreen wiper), in dash panel wiring harness

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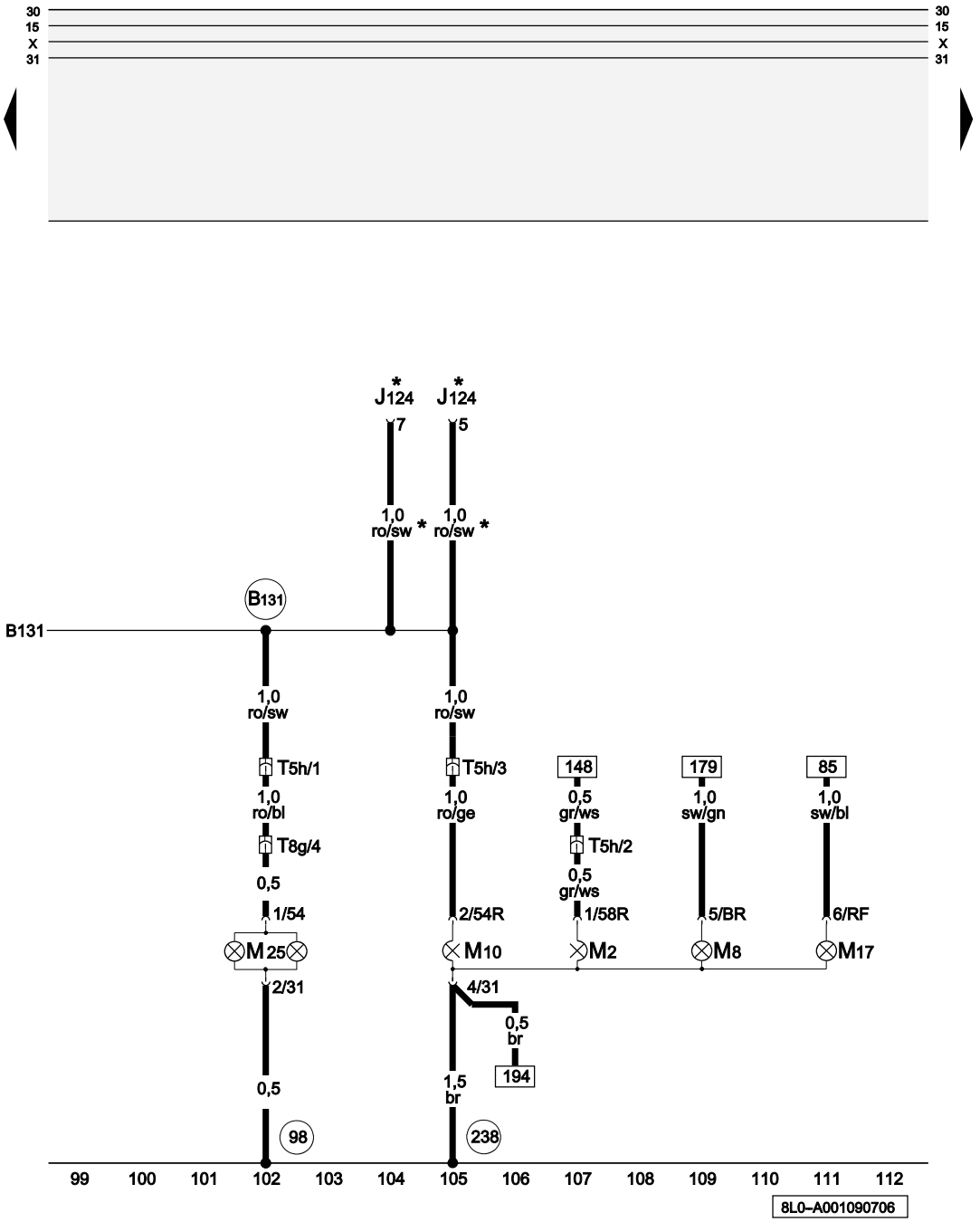


Left tail light, left tail light, rear left turn signal, left brake light, left fog light bulb

F	Brake light switch
F4	Reversing light switch
J508	Brake light suppression relay
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
T5h	5-pin connector, brown, A-pillar left, near relay plate
T10x	10-pin connector, orange, in plenum chamber
238	Earth connection 1, in interior wiring harness
A87	Connection (RL), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
B185	Connection 2 (54), in interior wiring harness
*	for models with anti-lock brake system (ABS) MK20
**	for models with anti-lock brake system (ABS) MK60 only
***	for manual gearbox only

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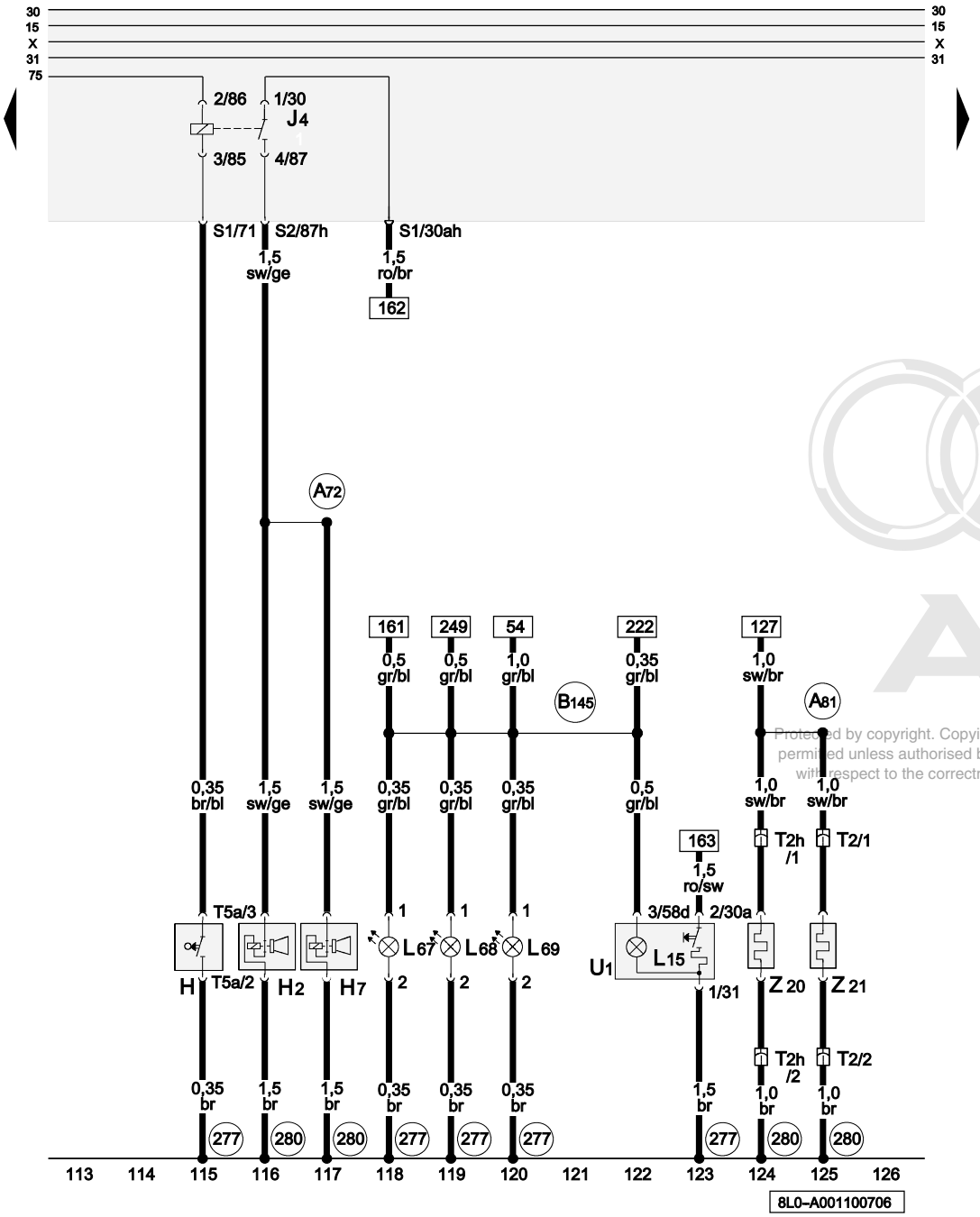


Right tail light, rear right turn signal, right brake light, right reversing light, high level brake light

J124	Rear bulb monitoring device
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
M25	High level brake light bulb
T5h	5-pin connector, brown, A-pillar left, near relay plate
T8g	8-pin connector, brown, on left in luggage compartment
98	Earth connection, in rear lid wiring harness
238	Earth connection 1, in interior wiring harness
B131	Connection (54), in interior wiring harness
*	for models with rear bulb monitoring device

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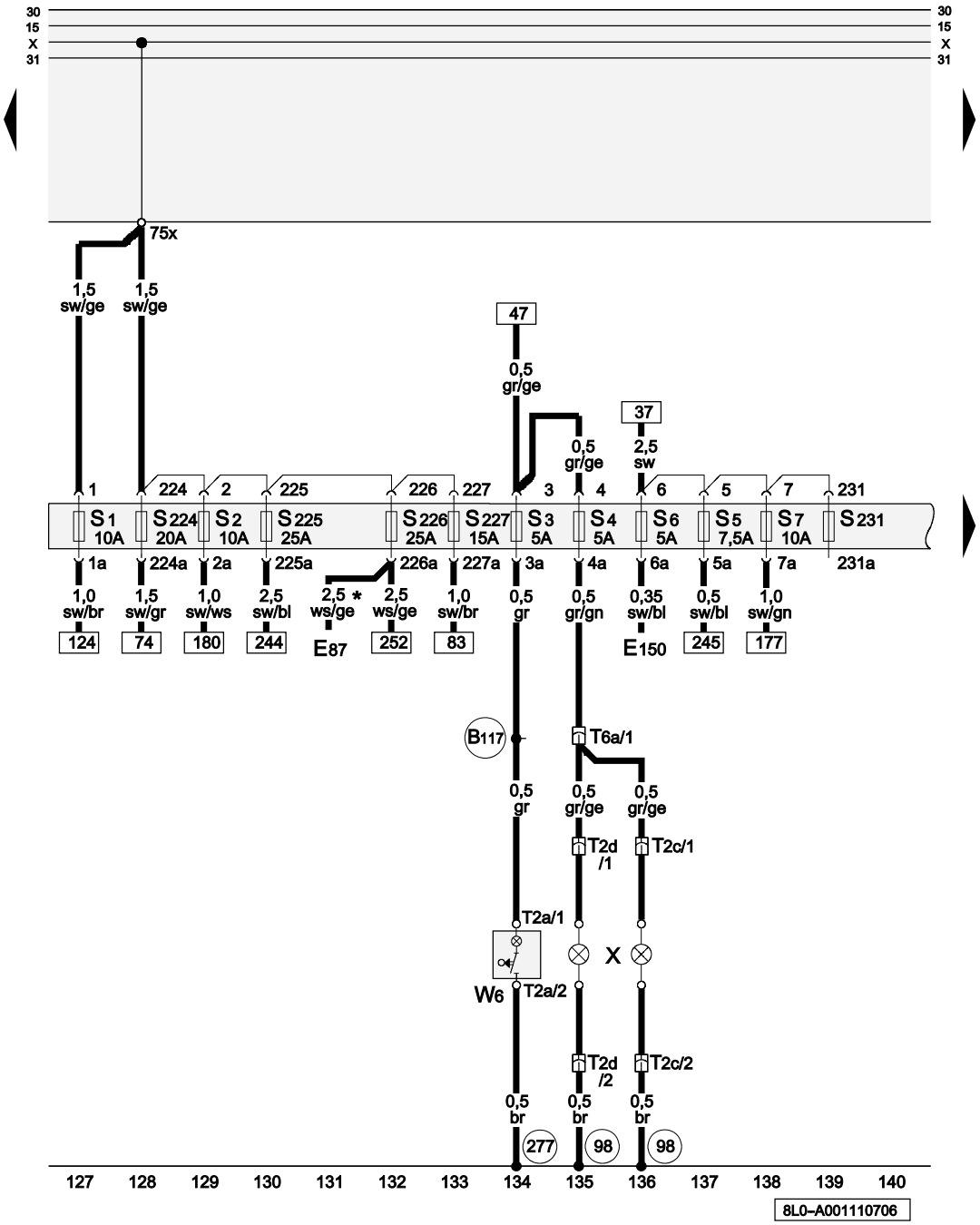


Signal horn, cigarette lighter, ashtray illumination bulb, dash panel vent illumination bulb, left and right washer jet heater element

H	Horn plate
H2	Treble tone horn
H7	Bass tone horn
J4	Dual tone horn relay
L15	Ashtray illumination bulb
L67	Dash panel left vent illumination bulb
L68	Dash panel central vent illumination bulb
L69	Dash panel right vent illumination bulb
T2	2-pin connector, heated washer jet, on right in plenum chamber
T2h	2-pin connector, heated washer jet, on right in plenum chamber
T5a	5-pin connector, yellow, interior, on steering column
U1	Cigarette lighter
Z20	Left washer jet heater element
Z21	Right washer jet heater element
277	Earth connection 3, in interior wiring harness
280	Earth connection, in communications wiring harness
A72	Connection (71), in dash panel wiring harness
A81	Connection 2 (X), in dash panel wiring harness
B145	Positive connection (58b), in interior wiring harness

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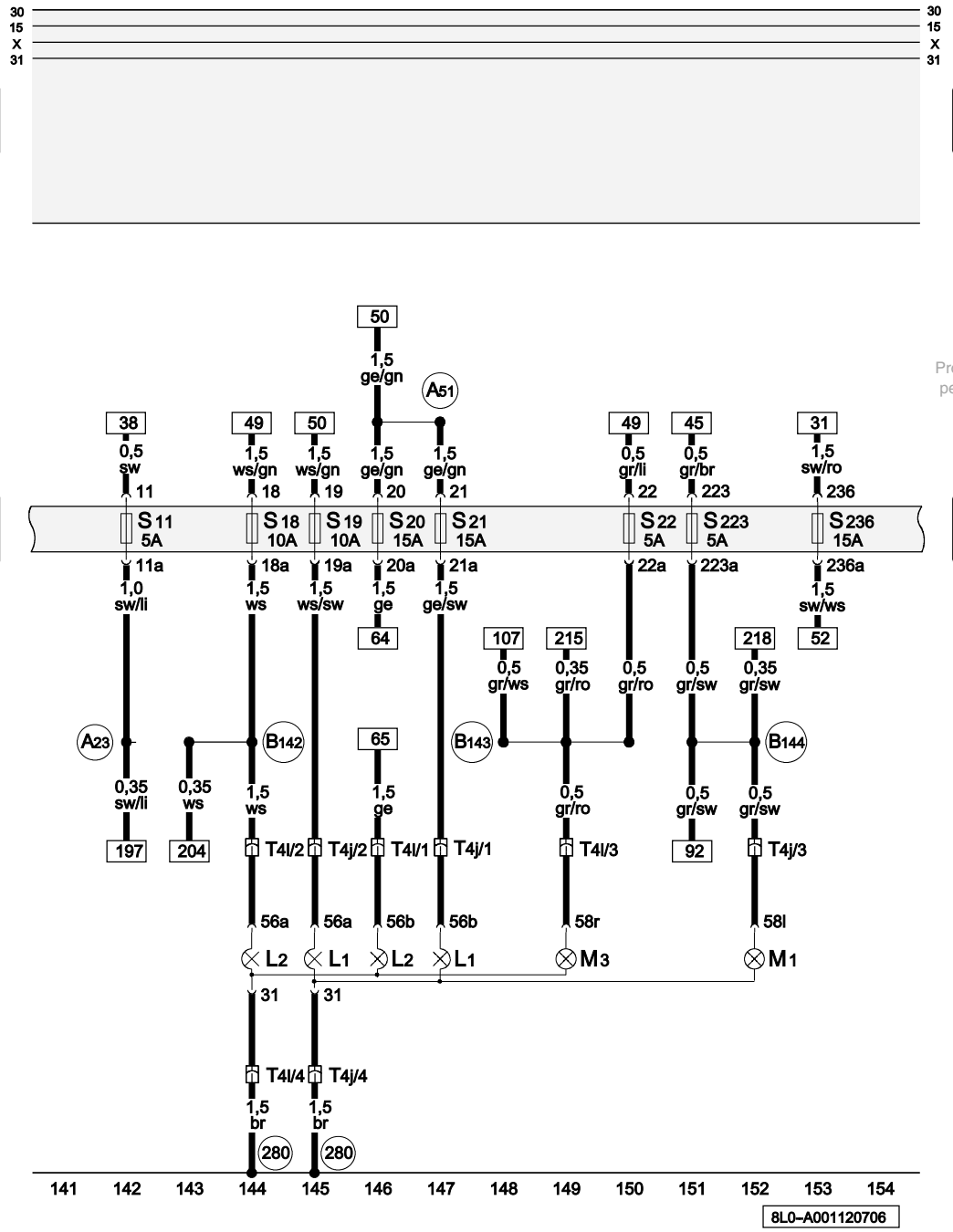


Fuses

E87	Operating and display unit for air conditioning system/Climatronic
E150	Driver side interior locking switch
S1	Fuse in relay plate fuse holder
S2	Fuse in relay plate fuse holder
S3	Fuse in relay plate fuse holder
S4	Fuse in relay plate fuse holder
S5	Fuse in relay plate fuse holder
S6	Fuse in relay plate fuse holder
S7	Fuse in relay plate fuse holder
S224	Fuse in fuse holder
S225	Fuse in fuse holder
S226	Fuse in fuse holder
S227	Fuse in fuse holder
S231	Fuse in fuse holder
T2a	2-pin connector, black, behind the dash panel, side right
T2c	2-pin connector, black, on right in rear lid
T2d	2-pin connector, black, on left in rear lid
T6a	6-pin connector, black, on left in luggage compartment
W6	Glove compartment light
X	Number plate light
B117	Connection (58a, right), in interior wiring harness
*	with air conditioning system

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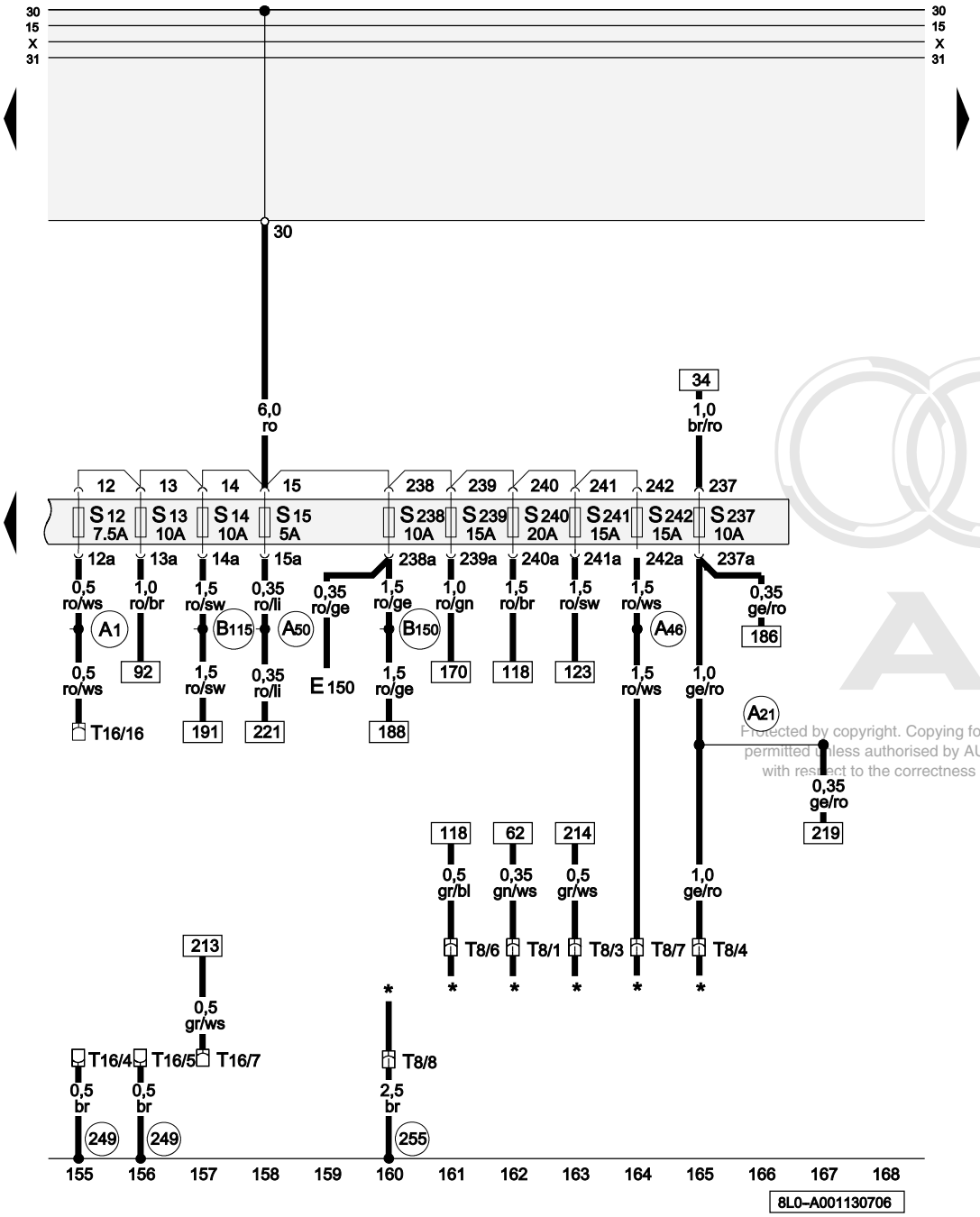
Fuses, headlight

L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M1	Left side light bulb
M3	Right side light bulb
S11	Fuse in relay plate fuse holder
S18	Fuse in relay plate fuse holder
S19	Fuse in relay plate fuse holder
S20	Fuse in relay plate fuse holder
S21	Fuse in relay plate fuse holder
S22	Fuse in relay plate fuse holder
S223	Fuse in fuse holder
S236	Fuse in fuse holder
T4j	4-pin connector, left headlight
T4l	4-pin connector, right headlight

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280	Earth connection, in communications wiring harness
A23	Connection (30al), in dash panel wiring harness
A51	Connection (56), in dash panel wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness

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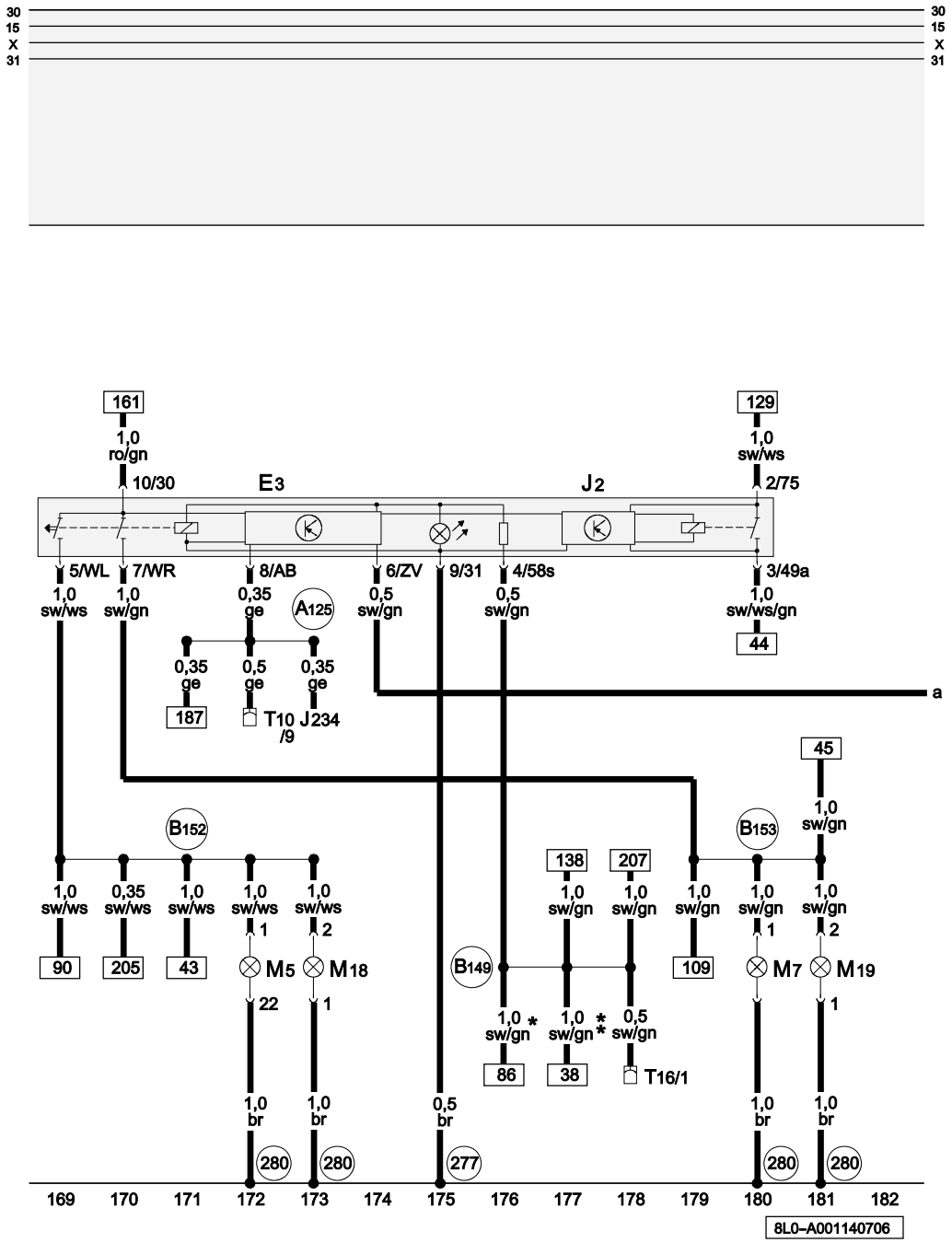


Fuses, diagnostic connector, preparation for radio

E150	Driver side interior locking switch
S12	Fuse in relay plate fuse holder
S13	Fuse in relay plate fuse holder
S14	Fuse in relay plate fuse holder
S15	Fuse in relay plate fuse holder
S237	Fuse in fuse holder
S238	Fuse in fuse holder
S239	Fuse in fuse holder
S240	Fuse in fuse holder
S241	Fuse in fuse holder
S242	Fuse in fuse holder
T8	8-connector, on radio
T16	16-pin connector, black, shelf centre console (diagnostic connector)
249	Earth connection 2, in interior wiring harness
255	Earth connection 1, in radio wiring harness
A1	Positive connection (30a), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
A46	Positive connection (30 - from radio), in dash panel wiring harness
A50	Positive connection (30as), in dash panel wiring harness
B115	Positive connection (30, central electrics), in interior wiring harness
B150	Positive connection 2 (30a), in interior wiring harness
*	see applicable Current Flow Diagram for radio

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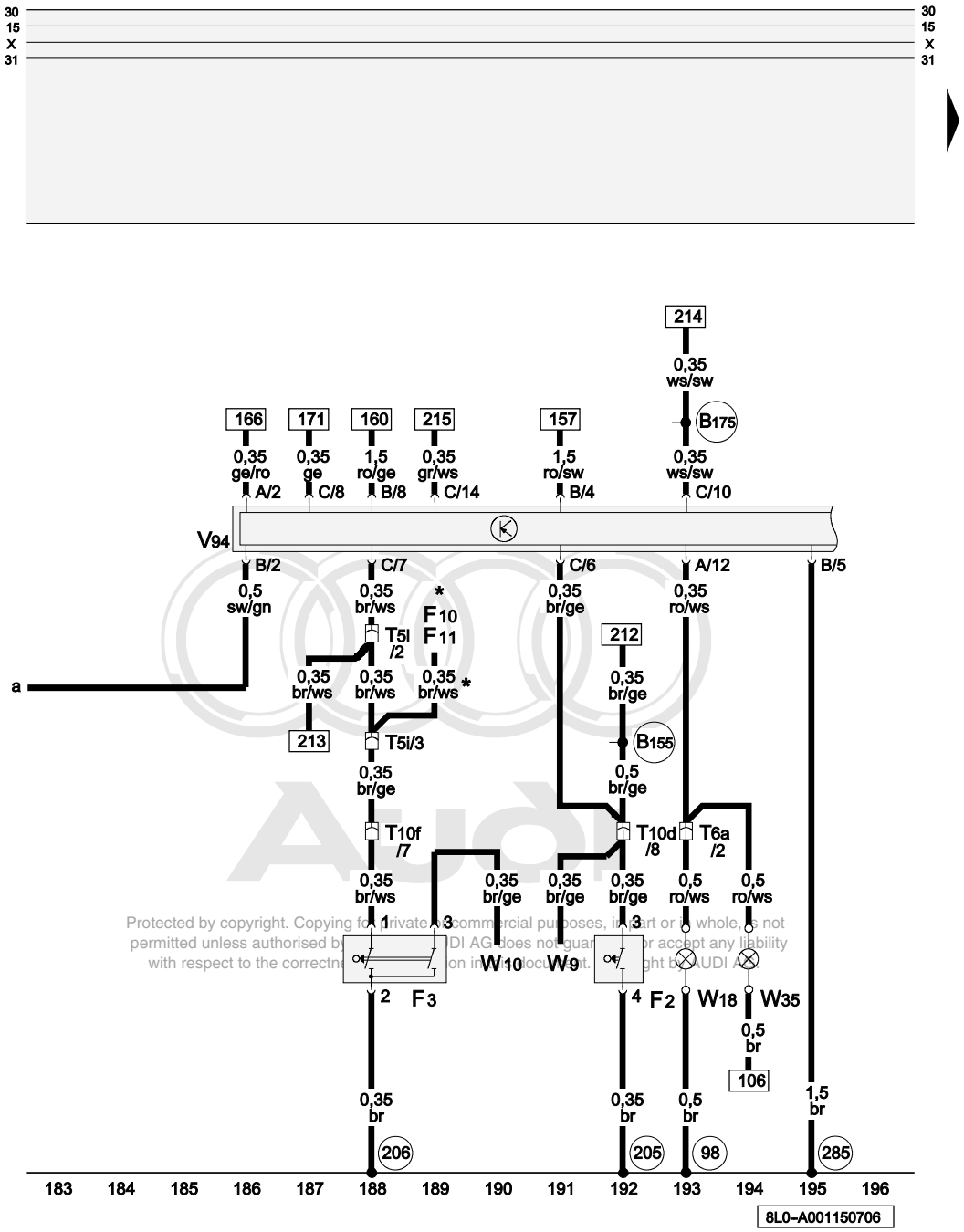


Turn signal system and hazard warning lights system

E3	Hazard warning light switch
J2	Hazard warning light relay
J234	Airbag control unit
M5	Front left turn signal bulb
M7	Front right turn signal bulb
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T10	10-pin connector, white, in plenum chamber
T16	16-pin connector, black, shelf centre console (diagnostic connector)
277	Earth connection 3, in interior wiring harness
280	Earth connection, in communications wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B149	Positive connection 2 (15a), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	for manual gearbox only
**	for automatic gearbox only

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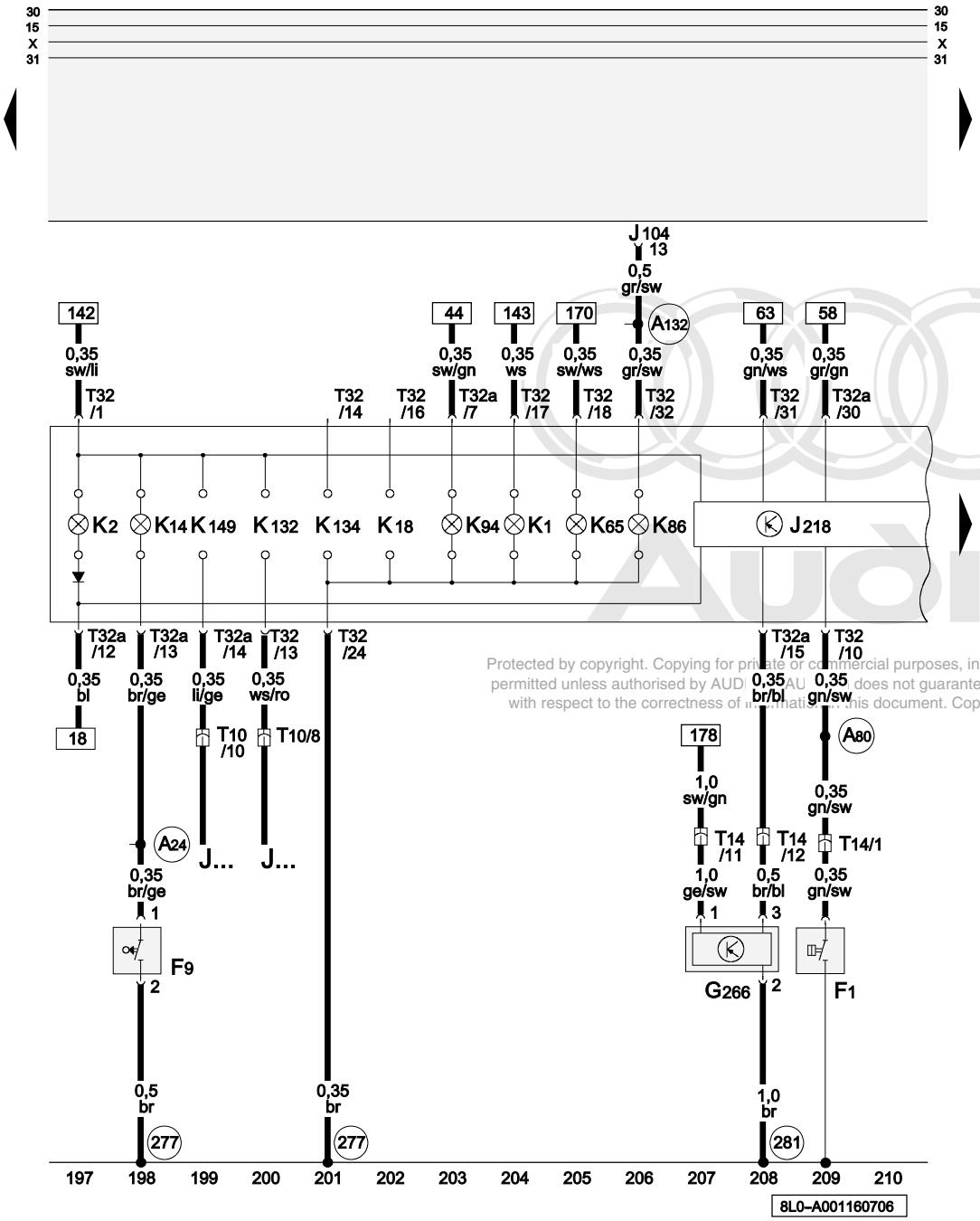


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Right footwell light, door contact switch, central locking motor

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
T5i	5-pin connector, black, A-pillar left, near relay plate
T10d	10-pin connector, brown, connector carrier on left of A-pillar
T10f	10-pin connector, brown, connector carrier on right of A-pillar
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W9	Left footwell light
W10	Right footwell light
W18	Luggage compartment light on left
W35	Right luggage compartment light
98	Earth connection, in rear lid wiring harness
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
B155	Connection 2 (DCt), in interior wiring harness
B175	Connection (central locking), in interior wiring harness
*	for 4-door models only

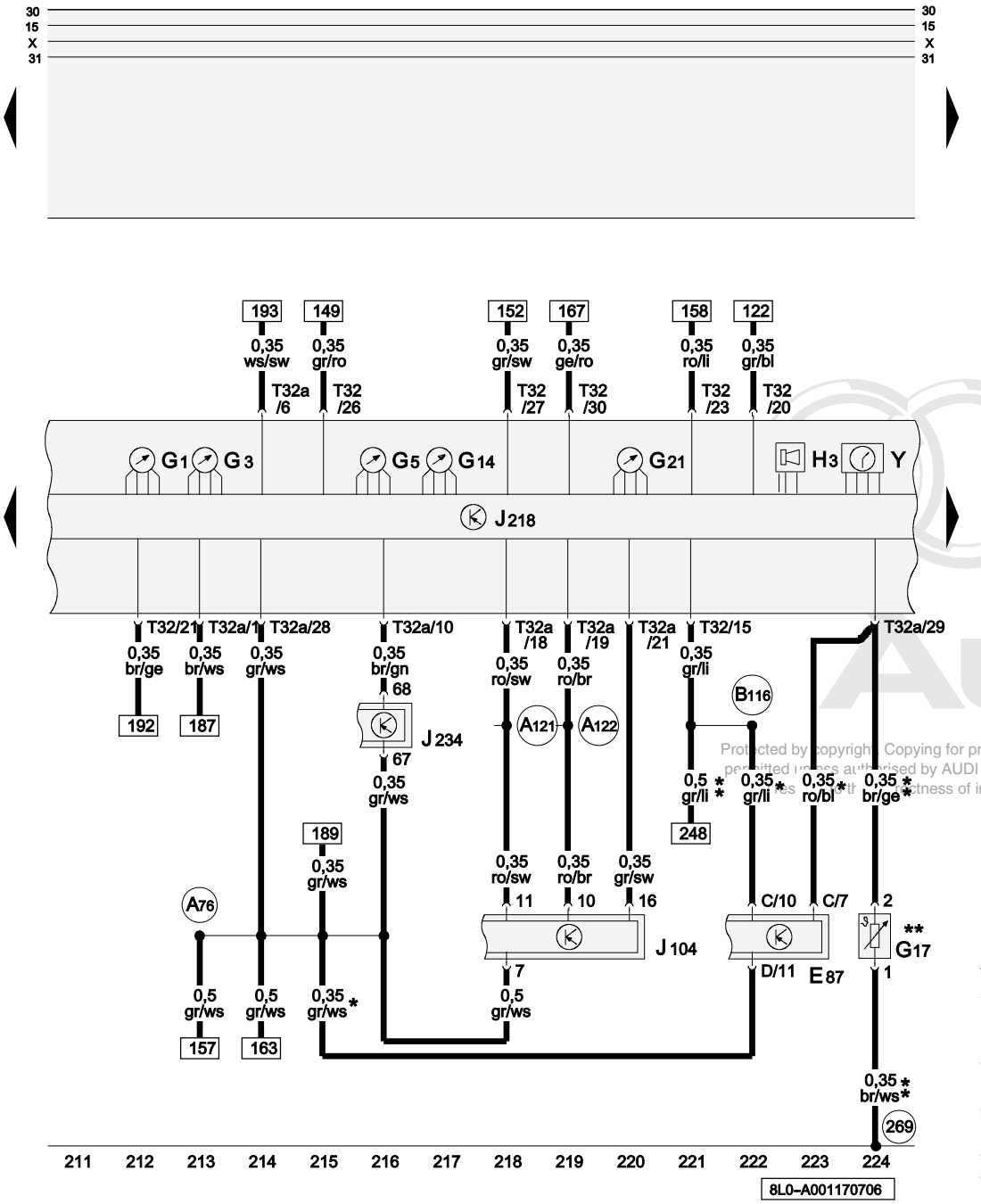


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Combi-processor in dash panel insert, handbrake warning switch, warning lamps, oil level and oil temperature sender, oil pressure switch

F1	Oil pressure switch
F9	Handbrake warning switch
G266	Oil level and oil temperature sender
J218	Combi-processor in dash panel insert
J...	Engine control units
J104	ABS control unit
K1	Main beam warning lamp
K2	Alternator warning lamp
K14	Handbrake warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K86	Traction control system warning lamp
K94	Right turn signal warning lamp
K132	Electric power control fault lamp
K134	Adaptive suspension warning lamp
K149	Engine electronics warning lamp
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in left engine compartment
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
277	Earth connection 3, in interior wiring harness
281	Earth connection 1, in engine harness
A24	Connection (brake system monitoring), in dash panel wiring harness
A80	Connection 1 (X), in dash panel wiring harness
A132	Connection (TCS/ESP), in dash panel wiring harness

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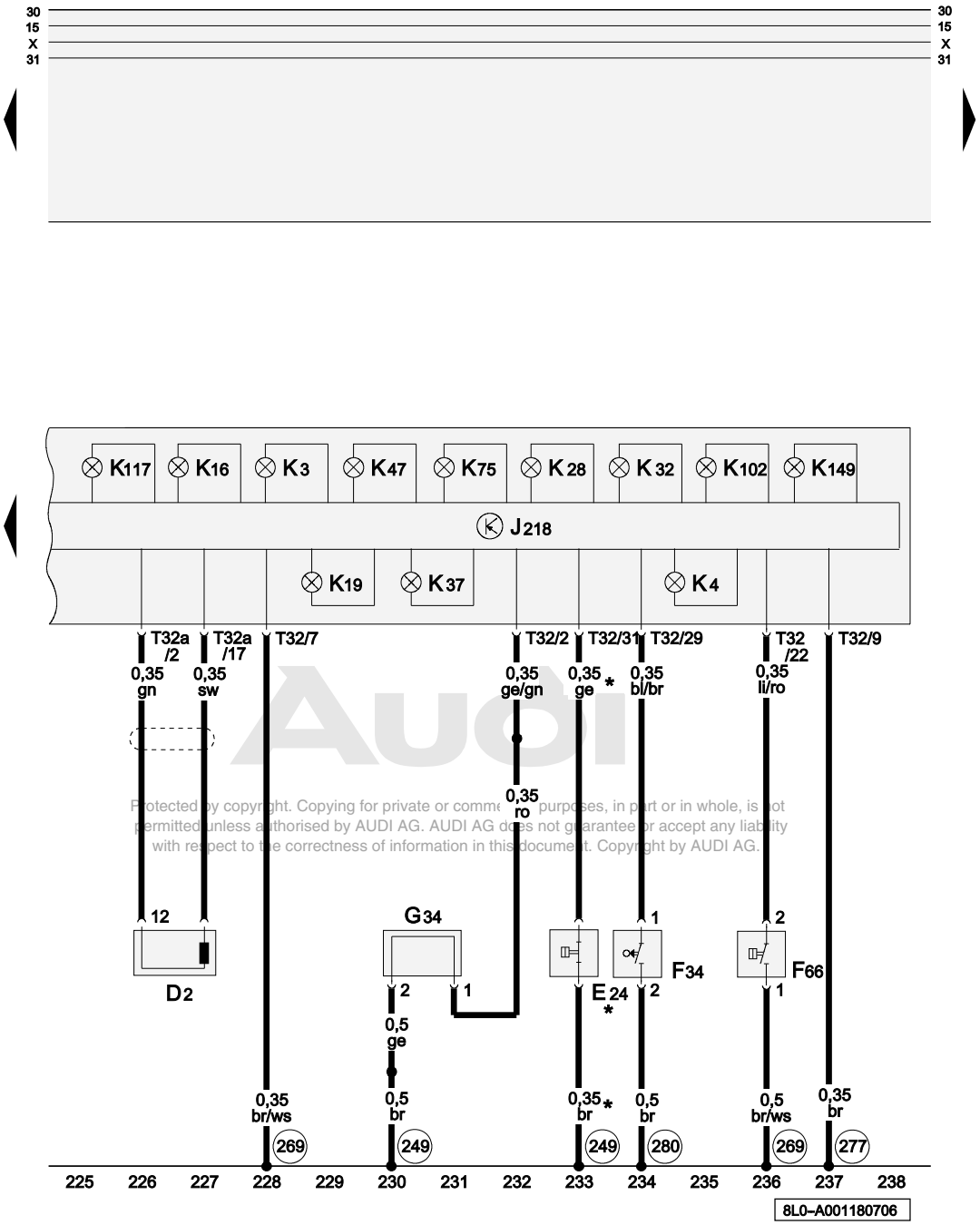


Combi-processor in dash panel insert, ABS control unit with EDL, operating and display unit for air conditioning system, fuel gauge, coolant temperature gauge

E87	Operating and display unit for air conditioning system/Climatronic
G1	Fuel gauge
G3	Coolant temperature gauge
G5	Rev. counter
G14	Voltmeter
G17	Ambient temperature sensor
G21	Speedometer
H3	Buzzer and gong
J104	ABS control unit
J218	Combi-processor in dash panel insert
J234	Airbag control unit
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
Y	Analogue clock
269	Earth connection (sender earth) 1, in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
*	for air conditioner
**	not for conditioner

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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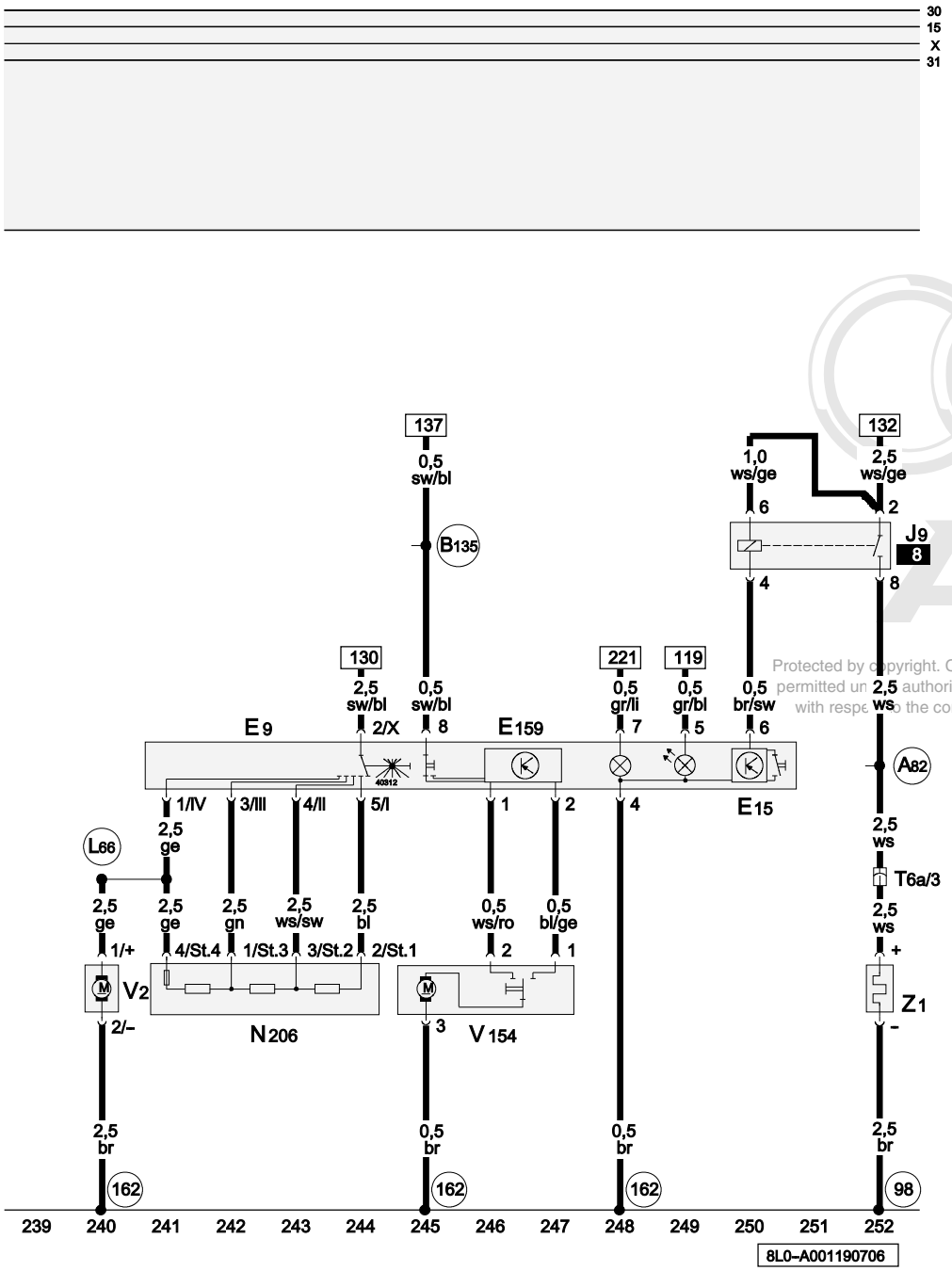
ws = white
sw = black
ro = red
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Immobilizer reader coil, warning lamps, belt switch, coolant shortage indicator switch, brake pad wear sender

D2	Immobilizer reader coil
E24	Driver side belt switch
F34	Brake fluid level warning contact
F66	Coolant shortage indicator switch
G34	Front left brake pad wear sender
J218	Combi-processor in dash panel insert
K3	Oil pressure warning lamp
K4	Side light warning lamp
K16	Reserve fuel warning lamp
K19	Seat belt warning system warning lamp
K28	Coolant temperature and coolant shortage warning lamp
K32	Brake pad warning lamp
K37	Washer fluid level warning lamp
K47	ABS warning lamp
K75	Airbag warning lamp
K102	Rear lid closed warning lamp
K117	Immobilizer warning lamp
K149	Engine electronics warning lamp
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
249	Earth connection 2, in interior wiring harness
269	Earth connection (sender earth) 1, in dash panel wiring harness
277	Earth connection 3, in interior wiring harness
280	Earth connection, in communications wiring harness
*	only with seat belt warning

Fresh air blower without air conditioning system, heated rear window

E9	Fresh air blower switch
E15	Heated rear window switch
E159	Fresh air/air recirculation flap switch
J9	Heated rear window relay
N206	Warm air blower series resistor with overheating valve
T6a	6-pin connector, black, on left in luggage compartment
V2	Fresh air blower
V154	Fresh air/recirculated air flap control motor
Z1	Heated rear window
98	Earth connection, in rear lid wiring harness
162	Earth connection, in blower motor wiring harness
A82	Connection (windscreen heater), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
L66	Connection, in heater blower wiring harness



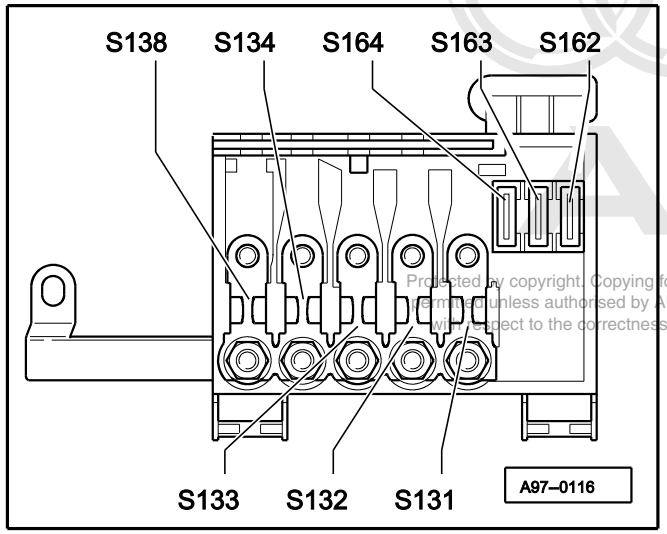
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1.6 litre fuel injection engine (Simos), 75 kW, 4-cylinder, engine code AVU

From model year 2001

Main fuse box / battery (engine compartment)

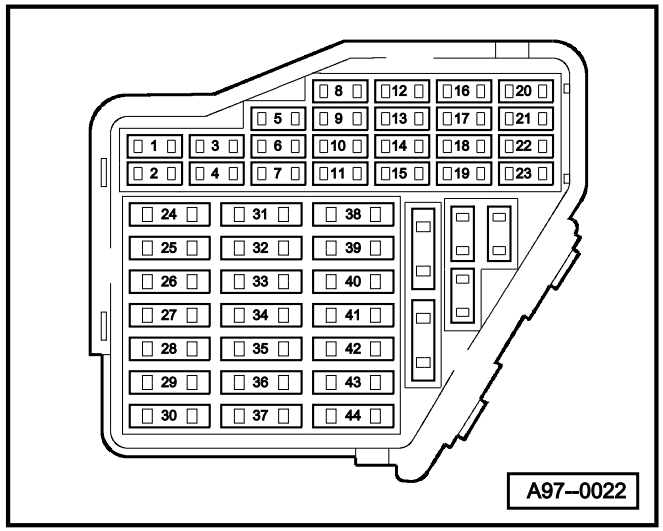


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Position of fuses:

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - 1 in fuse box/battery
S163 - 2 in fuse box/battery
S164 - 3 in fuse box/battery

Fuse box (dash panel)



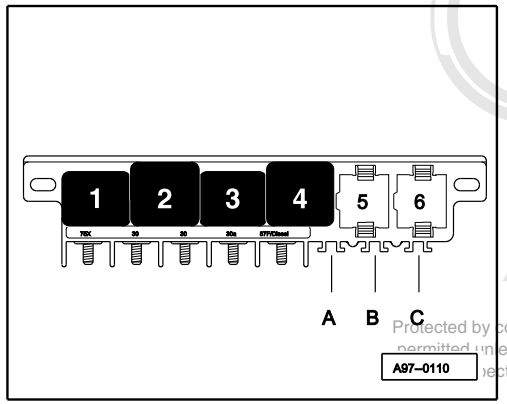
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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours:

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Micro-central electrics (under driver's storage compartment)

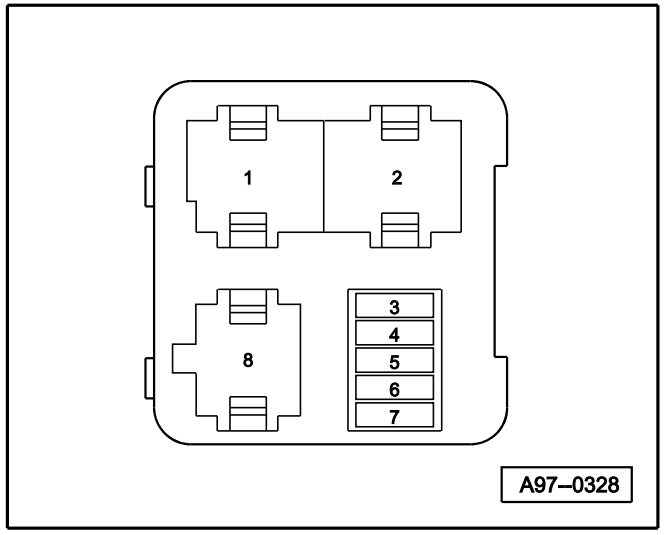


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Position of relays:

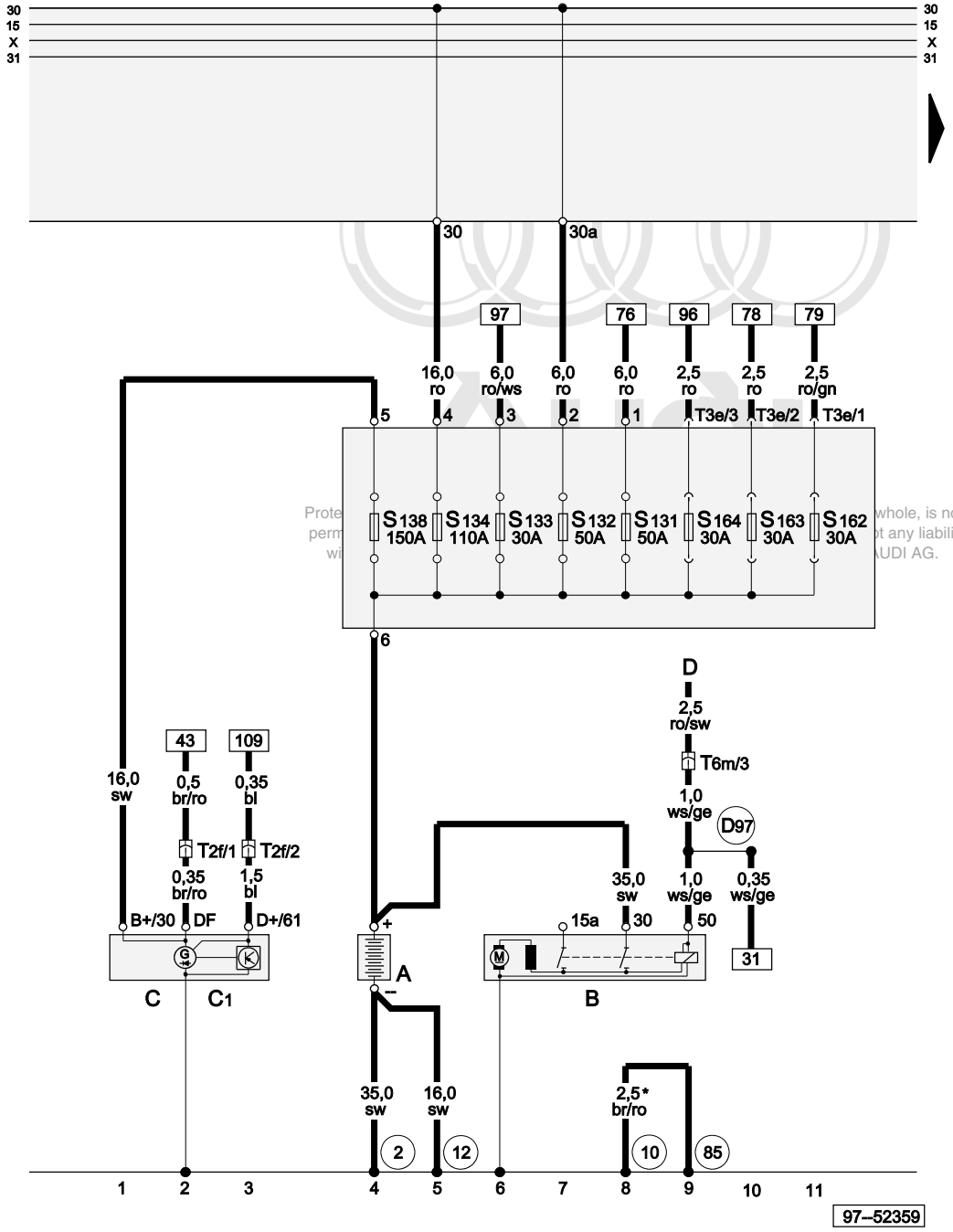
4 - Fuel pump relay

3-point relay carrier/fuse box (engine compartment)



Position of relays:

1 - Secondary air pump relay
2 - Current supply relay for Simos control unit

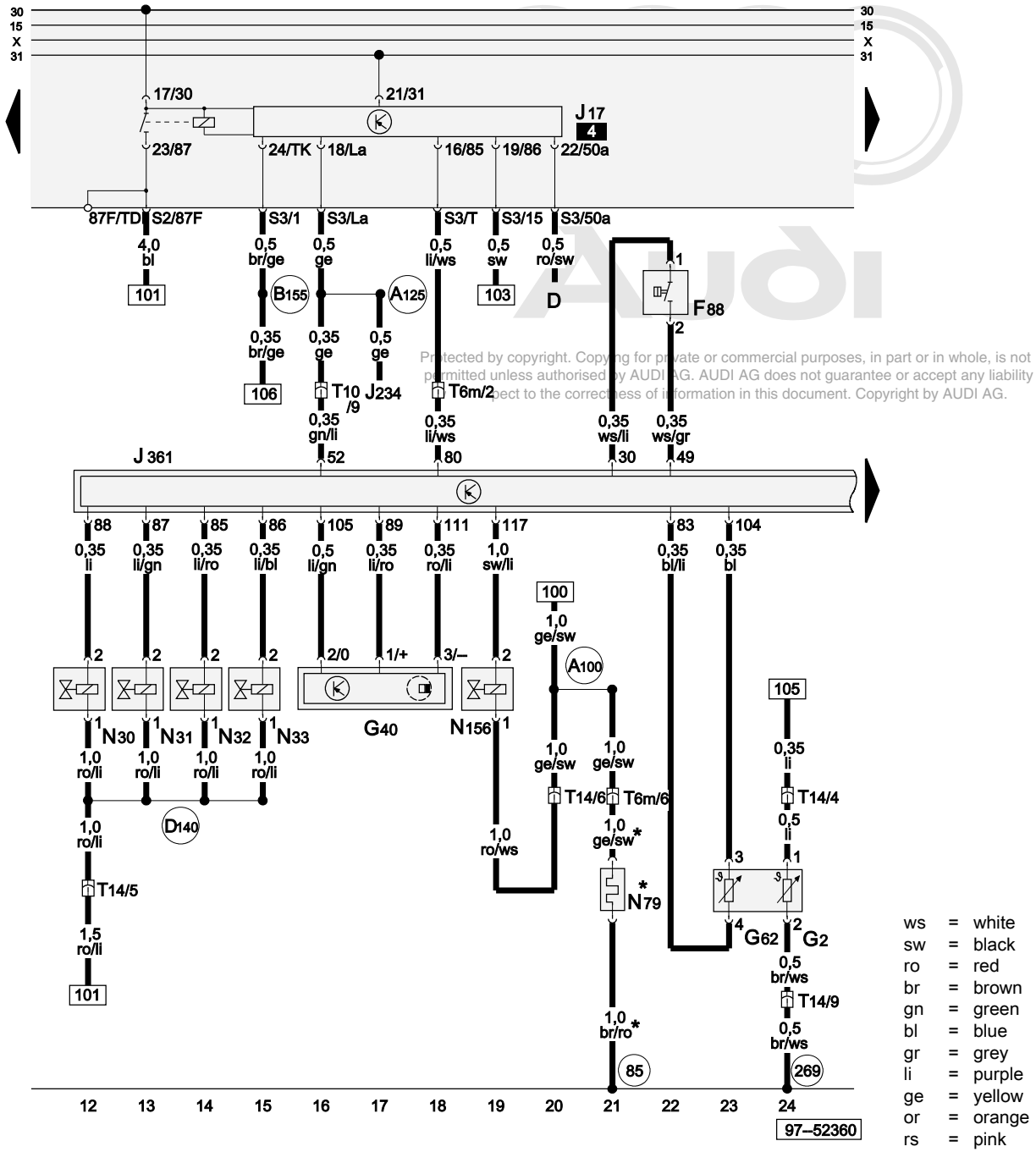


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, starter, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1 in fuse box/battery
S132	Fuse 2 in fuse box/battery
S133	Fuse 3 in fuse box/battery
S134	Fuse 4 in fuse box/battery
S138	Fuse 5 in fuse box/battery
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
D97	Connection (50), in engine compartment wiring harness, right
*	Export versions (only northern countries)

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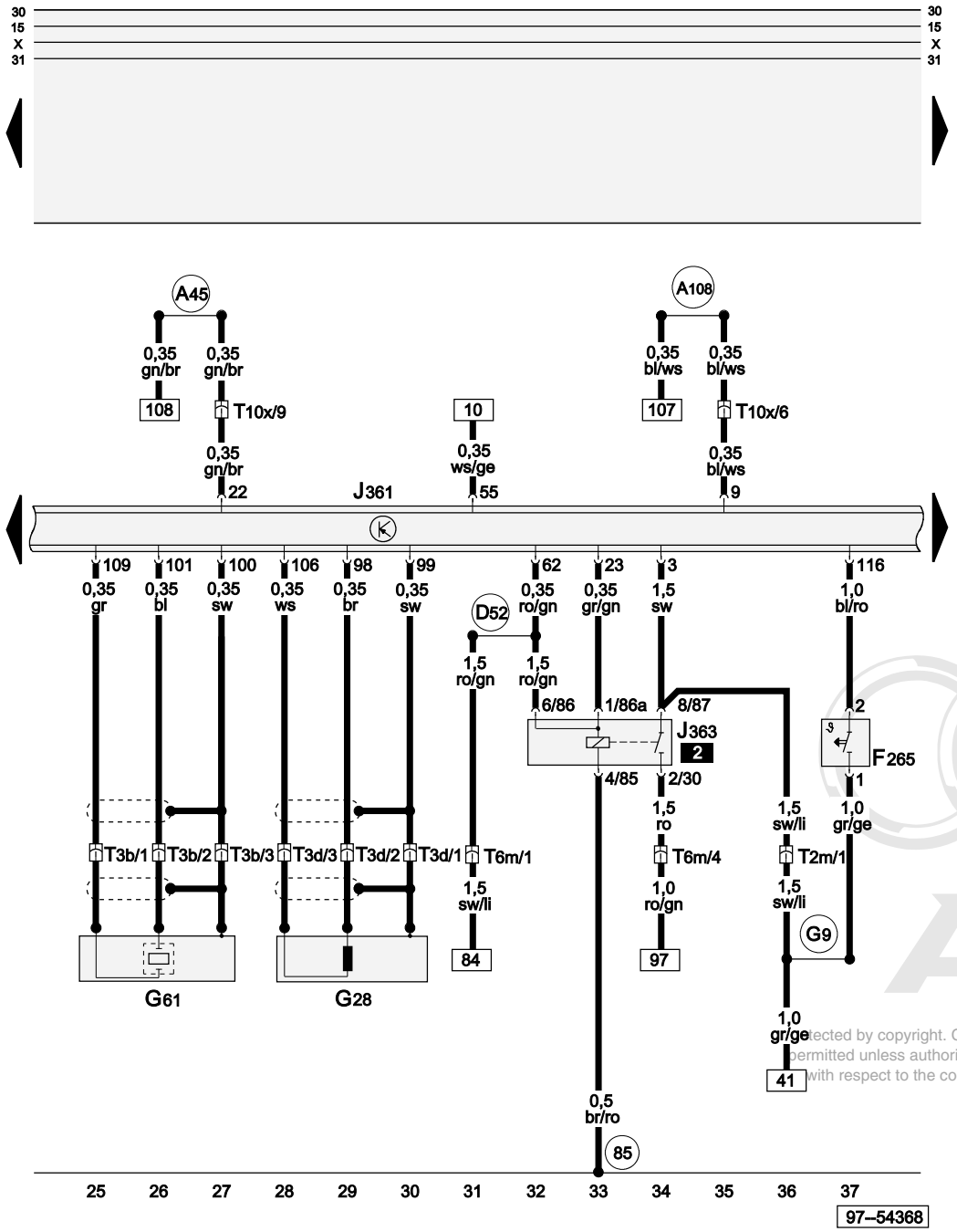


ws = white
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Hall sender, injectors, intake manifold change-over valve, fuel pump relay, coolant temperature senders

D	Ignition/starter switch
F88	Power assisted steering pressure switch
G2	Coolant temperature sender
G40	Hall sender
G62	Coolant temperature sender
J17	Fuel pump relay
J234	Airbag control unit
J361	Simos control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N79	Heater element (crankcase breather)
N156	Intake manifold change-over valve
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B155	Connection -2- (DC), in interior wiring harness
D140	Connection (injectors), in engine prewiring wiring harness
*	Export versions (only northern countries)

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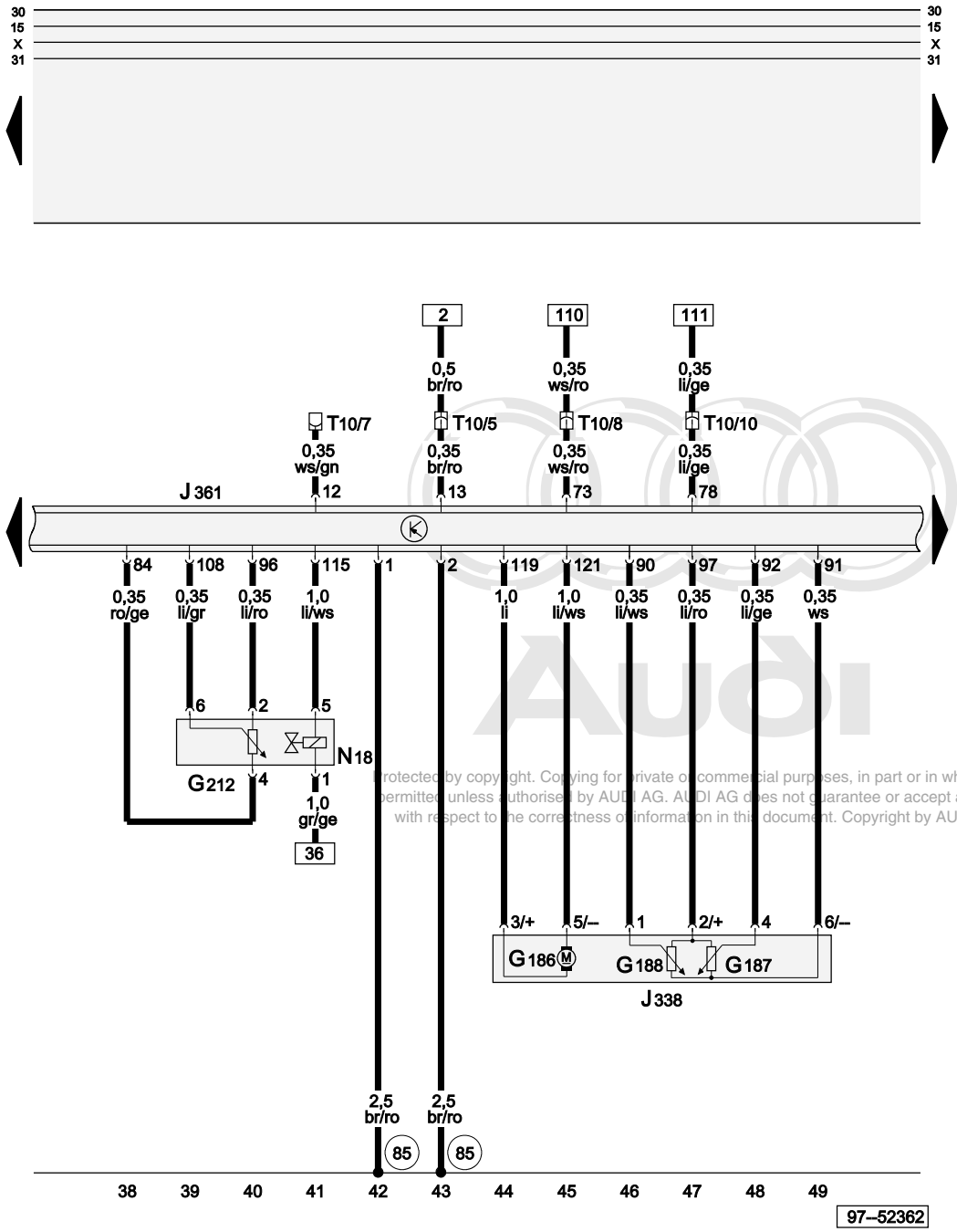


Engine speed sender, Simos control unit, thermostat for engine cooling, knock sensor

F265	Map-controlled engine cooling thermostat
G28	Engine speed sender
G61	Knock sensor I
J361	Simos control unit
J363	Current supply relay for Simos control unit
T2m	2-pin connector, engine prewiring, wiring duct, in engine compartment, left
T3b	3-pin connector, blue, knock sensor I, in engine compartment
T3d	3-pin connector, white, engine speed sender, in engine compartment
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D52	Positive (+) connection (15a), 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
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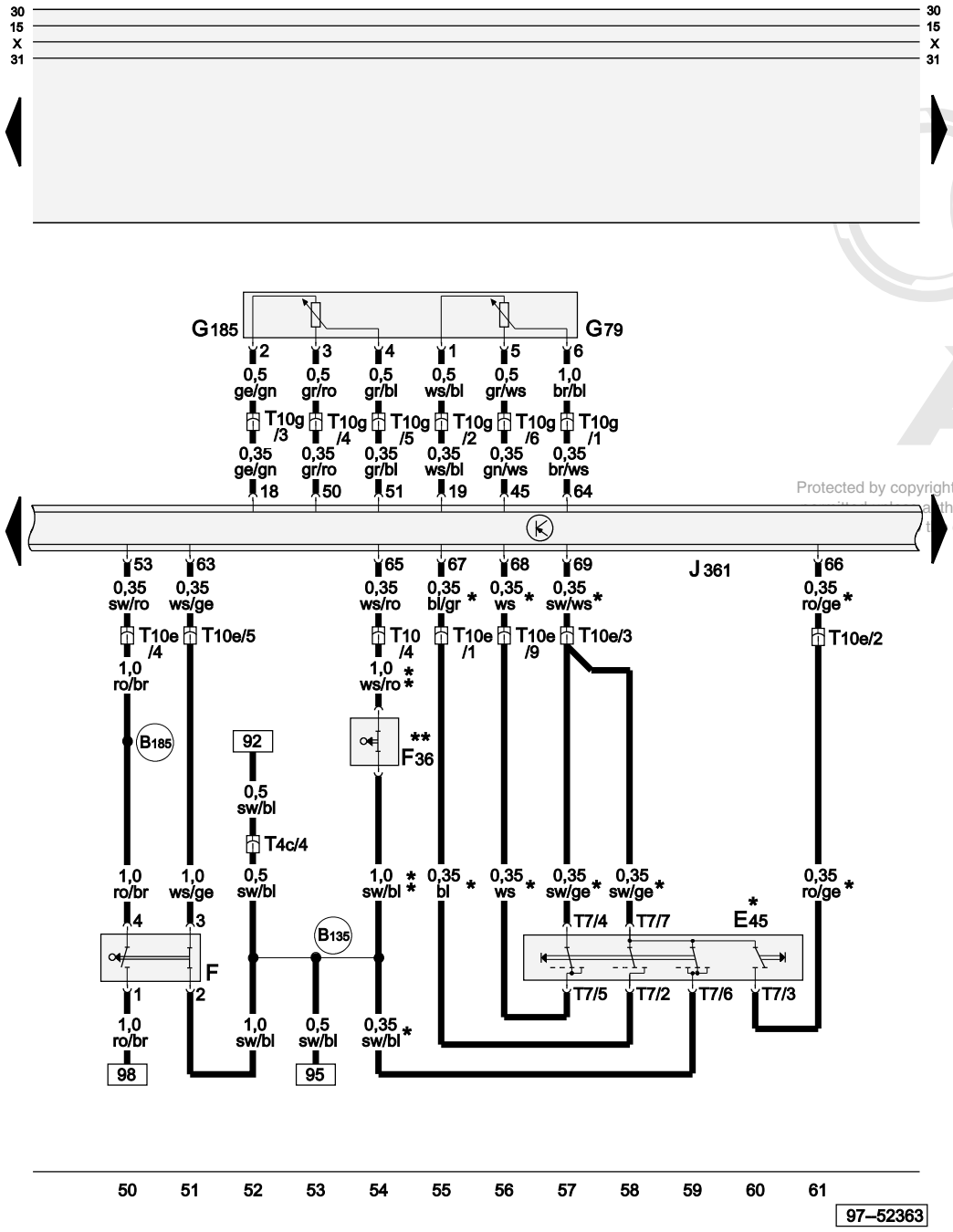


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Simos control unit, throttle valve control unit, exhaust gas recirculation valve

G186	Throttle valve drive (electric throttle operation)
G187	Throttle valve drive angle sender -1- (electric throttle operation)
G188	Throttle valve drive angle sender -2- (electric throttle operation)
G212	Exhaust gas recirculation potentiometer
J338	Throttle valve control unit
J361	Simos control unit
N18	Exhaust gas recirculation valve
T10	10-pin connector, white, in plenum chamber
85	Earth connection -1-, 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

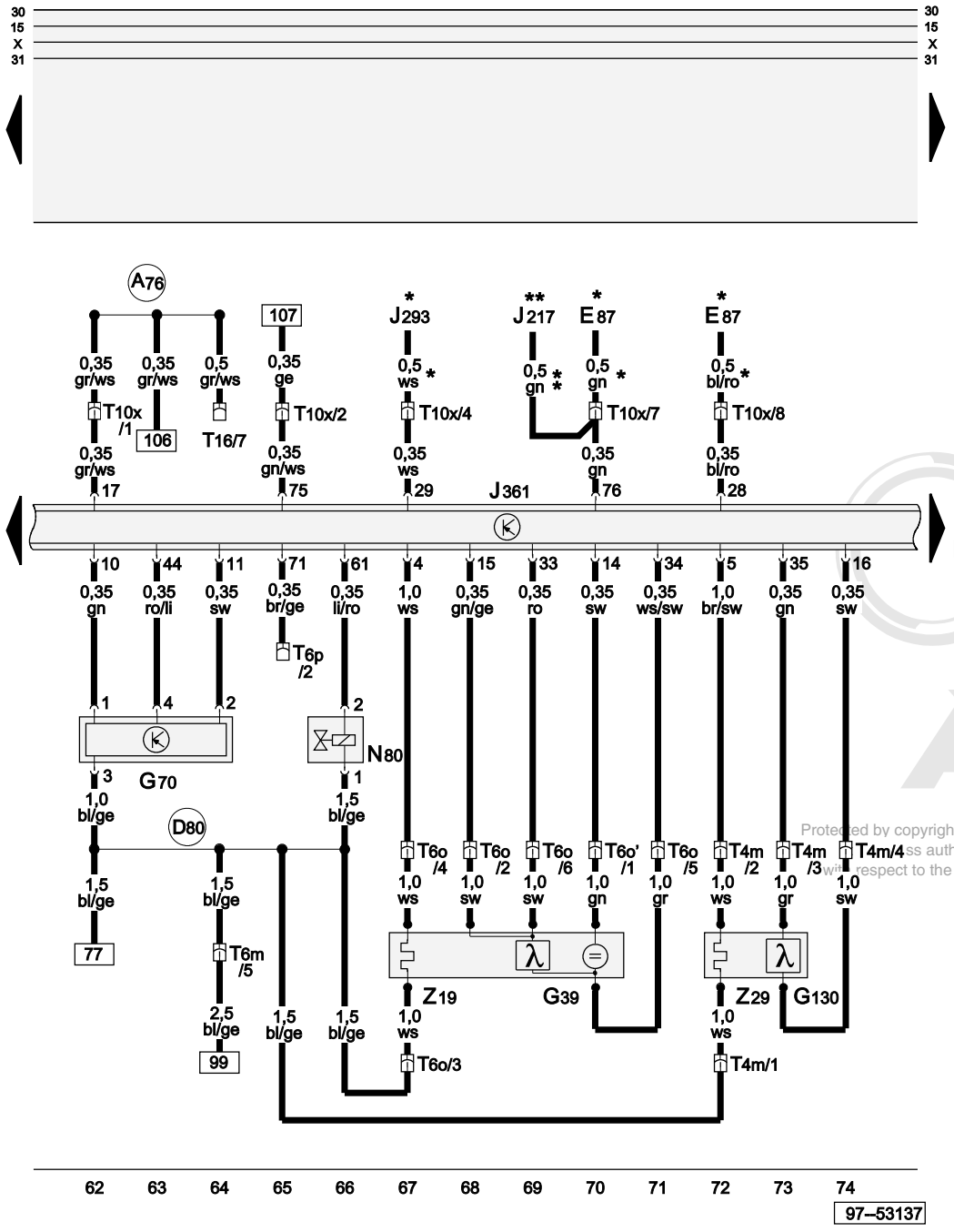


Simos control unit, brake light switch, accelerator pedal position senders, cruise control system switch, clutch pedal switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J361	Simos control unit
T4c	4-pin connector, central connector for heater blower, behind console
T7	7-pin connector, cruise control system, behind steering column switch trim
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox

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

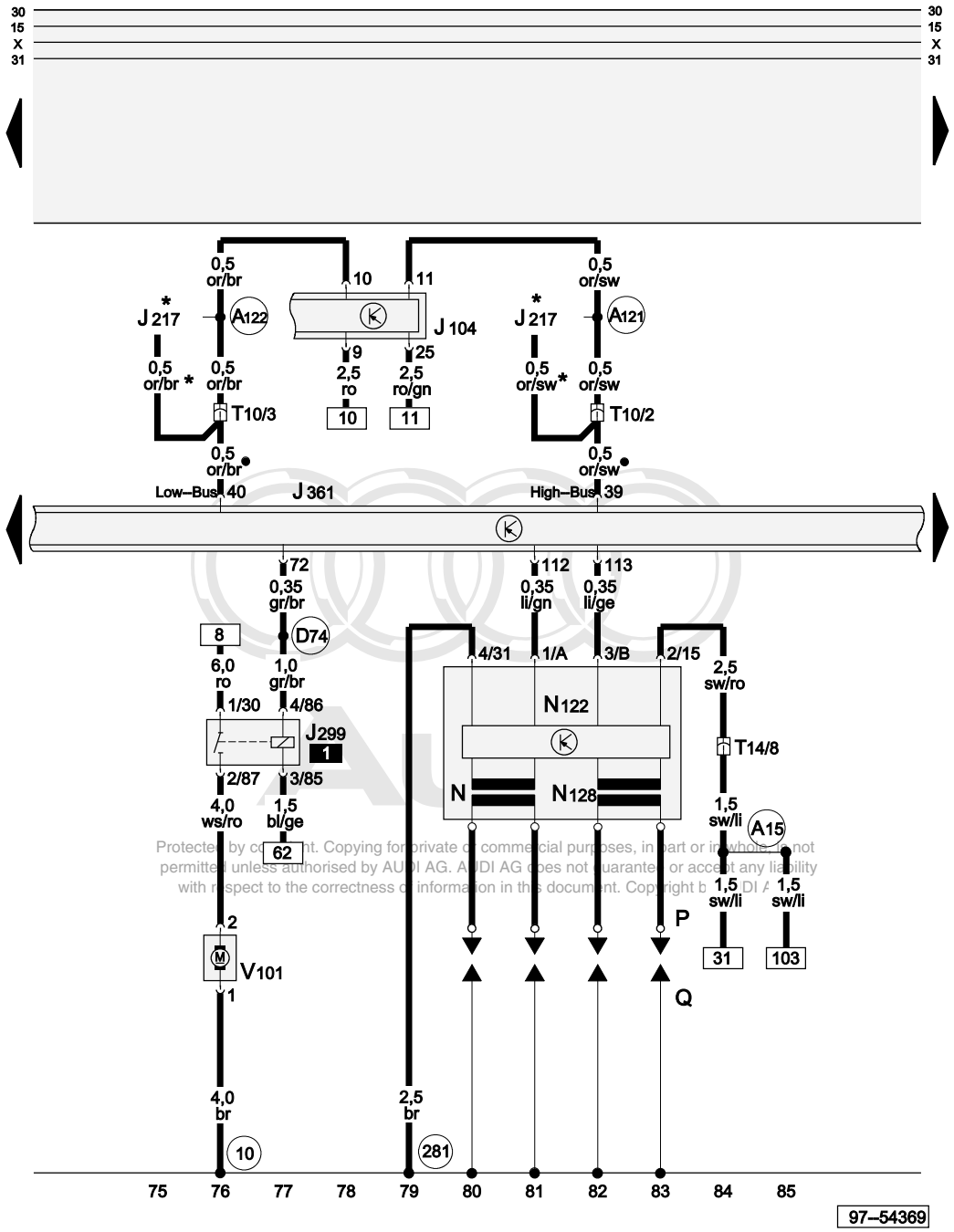


Simos control unit, lambda probes, secondary air inlet valve, control and display unit for air conditioner/Climatronic

E87	Control and display unit for air conditioner/Climatronic
G39	Lambda probe
G70	Air mass meter
G130	Lambda probe downstream of catalytic converter
J217	Automatic gearbox control unit
J293	Radiator fan control unit
J361	Simos control unit
N80	Activated charcoal filter system solenoid valve 1
T4m	4-pin connector, lambda probe, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T6o	6-pin connector, lambda probe, in engine compartment, right
T6p	6-pin connector, in engine compartment, right
T10x	10-pin connector, orange, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnosis connector)
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
A76	Connection (diagnosis wire K), in dash panel wiring harness
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
*	Only models with air conditioner
**	Only models with automatic gearbox

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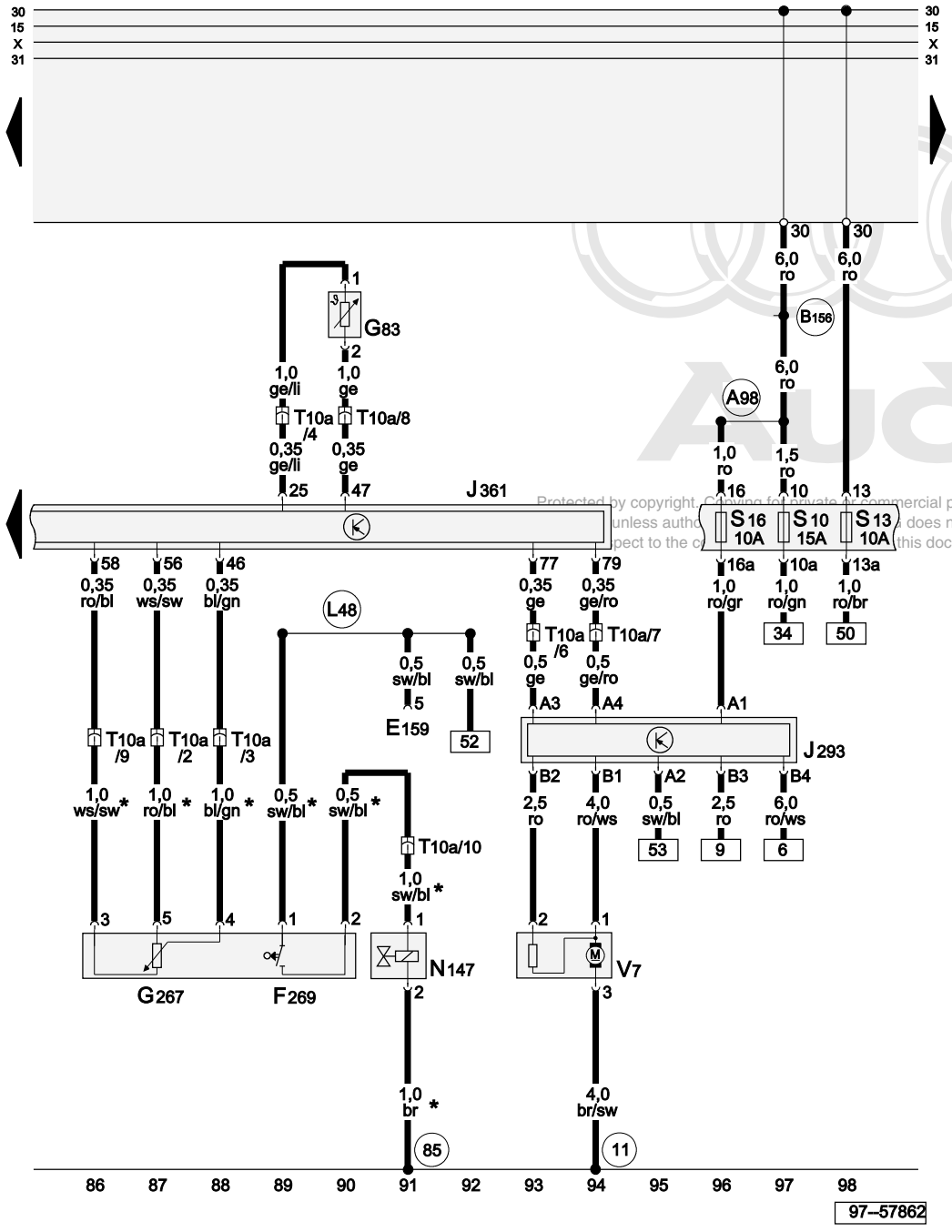


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Simos control unit, ignition coil, secondary air system

J104	ABS with EDL control unit
J217	Automatic gearbox control unit
J299	Secondary air pump relay
J361	Simos control unit
N	Ignition coil
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
V101	Secondary air pump motor
10	Earth point, in plenum chamber
281	Earth connection -1-, in engine wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
D74	Connection (86), in engine compartment wiring harness
•	CAN bus (data wire)
*	Only models with automatic gearbox

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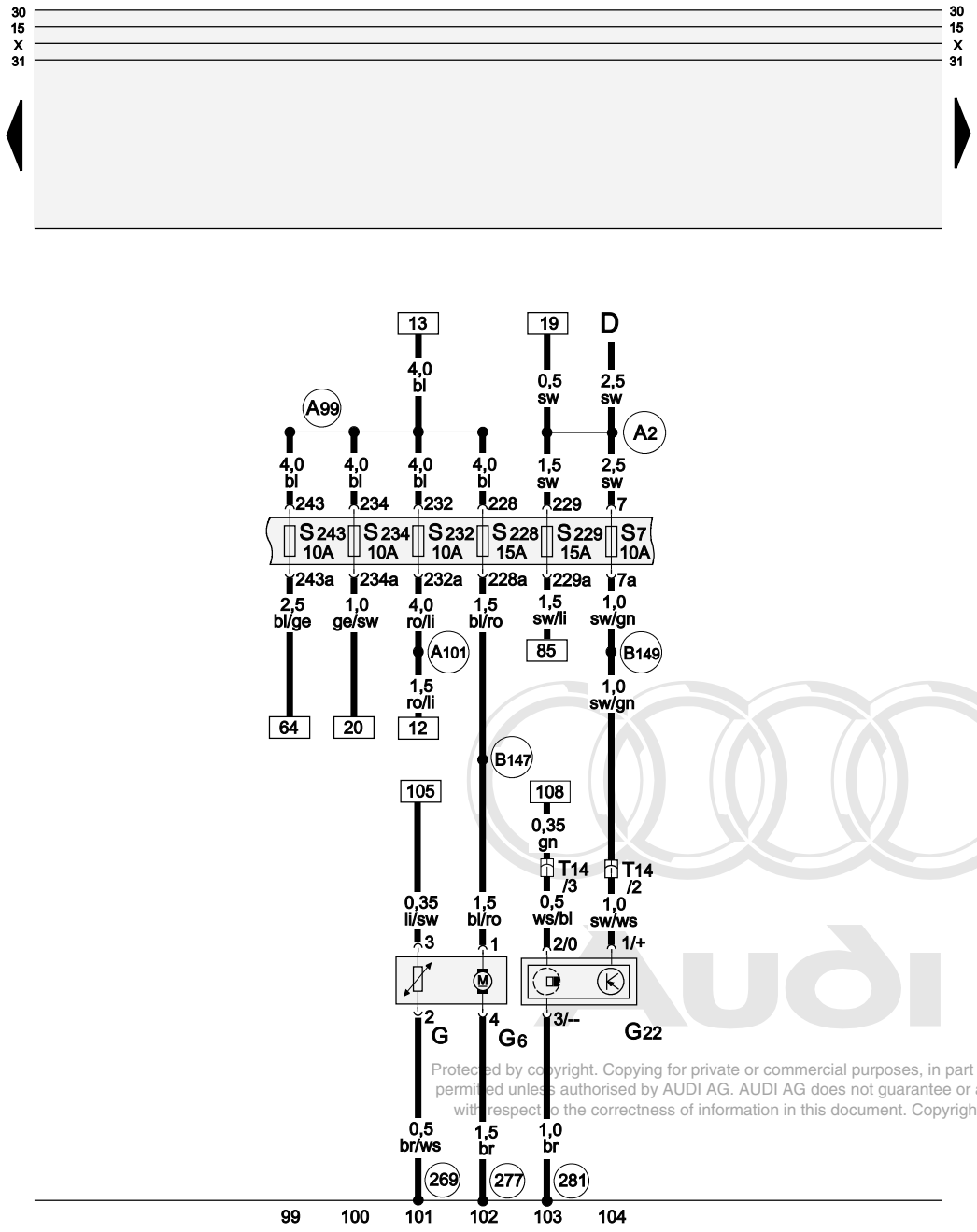


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Simos control unit, coolant temperature sender, radiator fan control unit, heating for passenger compartment

E159	Fresh air/air recirculating flap switch
F269	Temperature flap position switch
G83	Coolant temperature sender - radiator outlet
G267	Temperature selection rotary knob potentiometer
J293	Radiator fan control unit
J361	Simos control unit
N147	Two-way valve for coolant cut-off valve
S10	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S16	Fuse in fuse box/relay plate
T10a	10-pin connector, green, in plenum chamber
V7	Radiator fan
11	Earth point, in battery box
85	Earth connection -1-, in engine compartment wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
L48	Connection (15a), in heater (Thermotronic) controls wiring harness
*	Does not apply to models with air conditioner

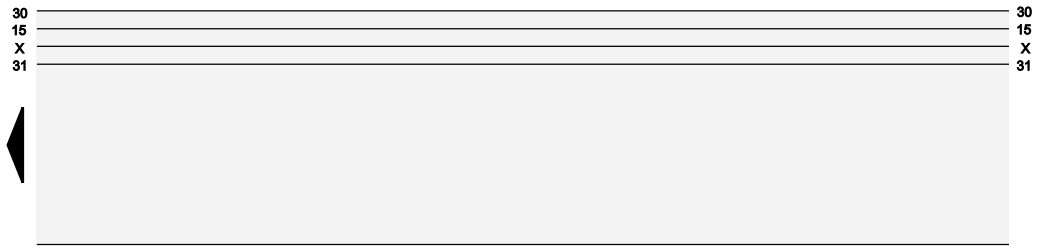


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Fuses, fuel gauge sender, fuel pump, speedometer sender

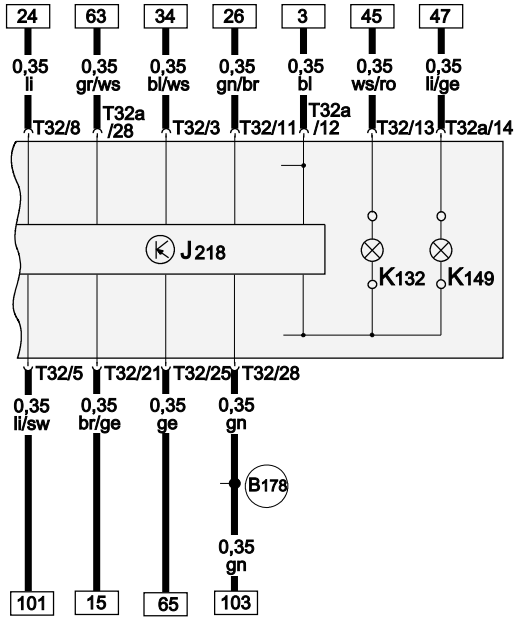
D	Ignition/starter switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
G22	Speedometer sender (Hall sender, on gearbox)
S7	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S229	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
T14	14-pin connector, in engine compartment, right, 06
269	Earth connection (sender earth) -1-, in dash panel wiring harness
277	Earth connection -3-, in interior wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness

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Dash panel insert

J218	Combi-processor in dash panel insert
K132	Electronic power control fault lamp
K149	Engine electronics warning lamp
T32	32-pin connector, blue, on dash panel insert, 072
T32a	32-pin connector, green, on dash panel insert, 072
B178	Connection (speed signal), in interior wiring harness



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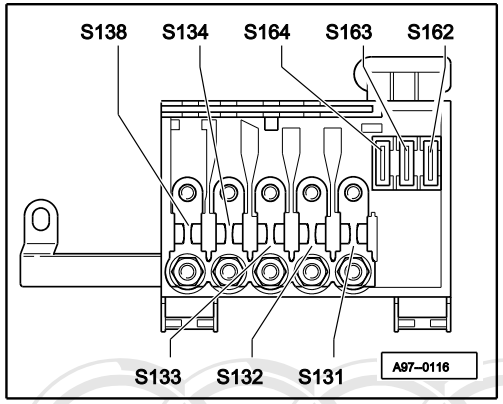
105 106 107 108 109 110 111

97–52368

1.8 litre fuel injection engine (Motronic), 154 kW, 4-cylinder, engine code AMK
1.8 litre fuel injection engine (Motronic), 132 kW, 4-cylinder, engine codes ARY, AUQ
1.8 litre fuel injection engine (Motronic), 110 kW, 4-cylinder, engine codes ARX, AUM

From model year 2001

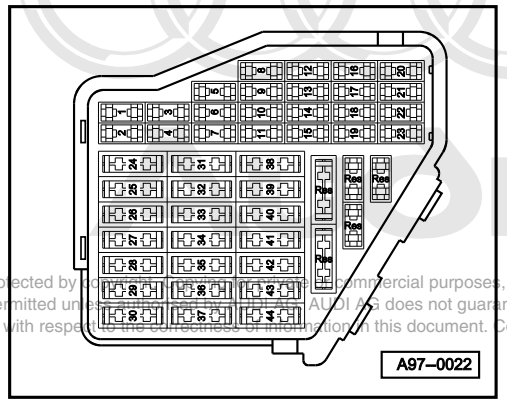
Main fuse box / battery (engine compartment)



Position of fuses:

S131 -Fuse 1
S132 -Fuse 2
S133 -Fuse 3
S134 -Fuse 4
S138 -Fuse 5
S162 -1 in fuse box/battery
S163 -2 in fuse box/battery
S164 -3 in fuse box/battery

Fuse box (dash panel)



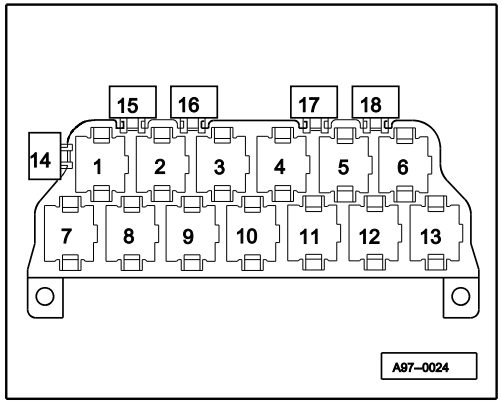
Fuse colours:

30 A -green
25 A -white
20 A -yellow
15 A -blue
10 A -red
7.5 A -brown
5 A -beige

From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

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13-point relay carrier
(under driver's storage compartment)

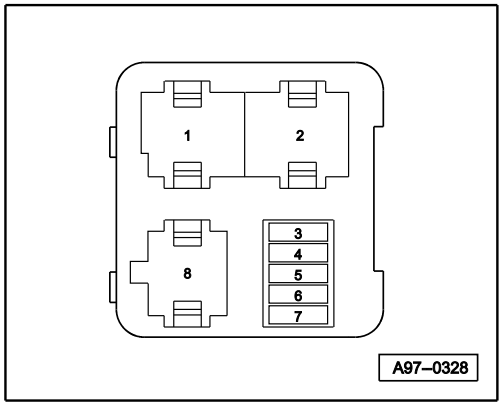


Position of relays:

13 - Coolant pump control unit *

* Does not apply to engine code AMK and models with air conditioner

3-point relay carrier/fuse box (engine compartment)

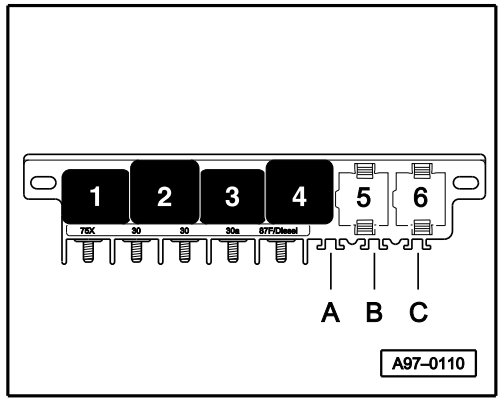


Position of relays:

1 - Secondary air pump relay

2 - Motronic current supply relay

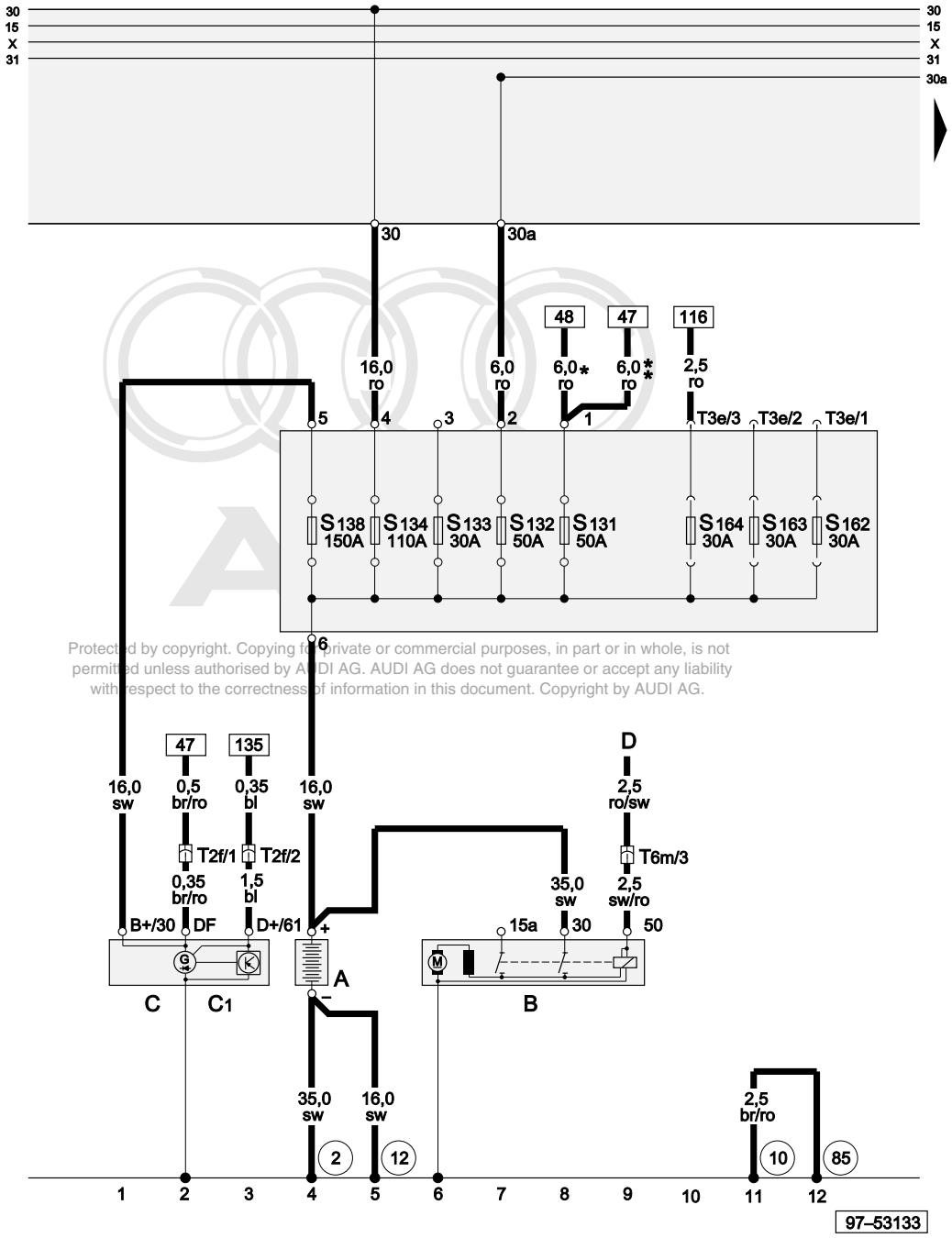
Micro-central electrics
(under driver's storage compartment)



Position of relays:

4 - Fuel pump relay

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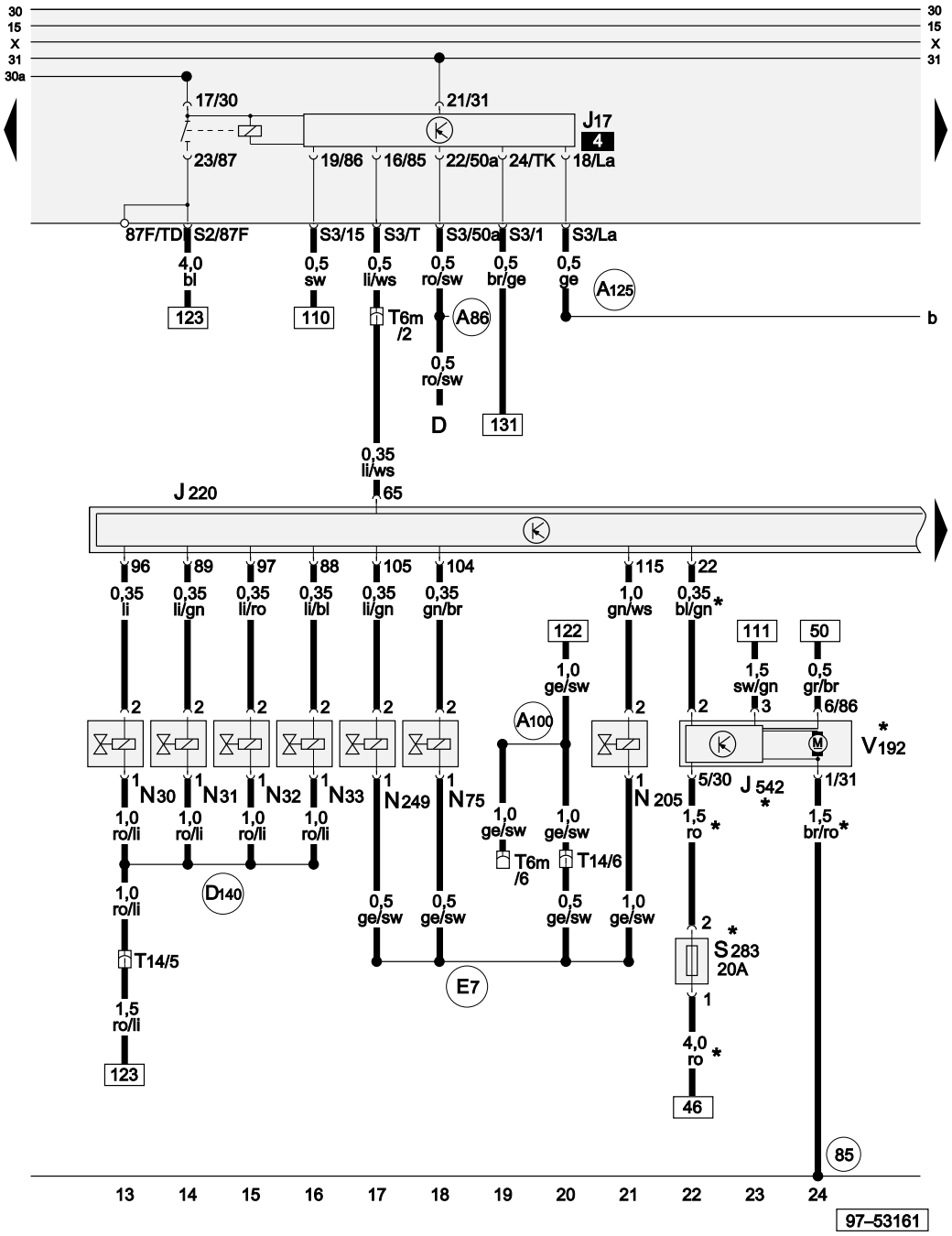


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Battery, starter, alternator, ignition/starter switch, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1 in fuse box/battery
S132	Fuse 2 in fuse box/battery
S133	Fuse 3 in fuse box/battery
S134	Fuse 4 in fuse box/battery
S138	Fuse 5 in fuse box/battery
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

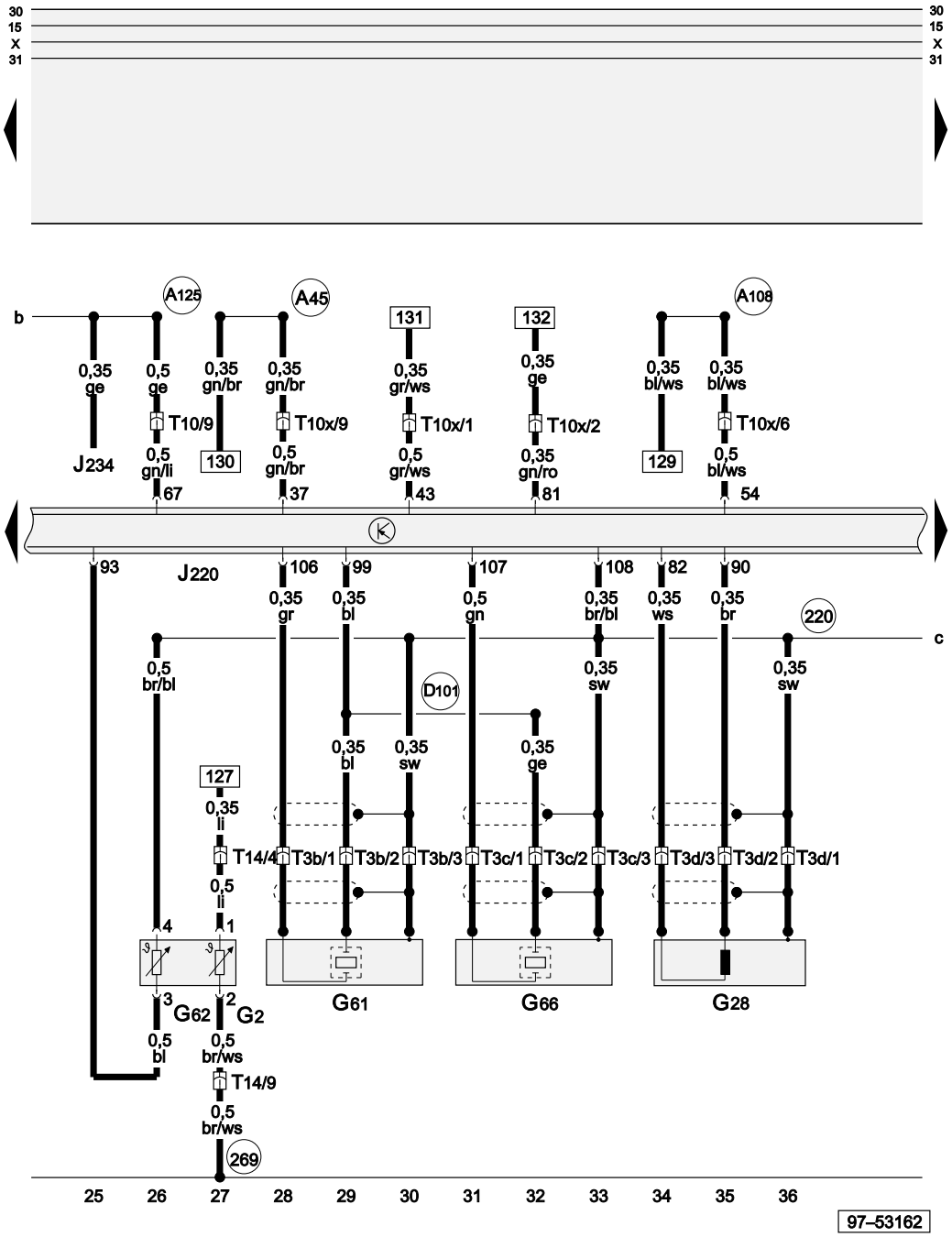


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Motronic control unit, fuel pump relay, injectors, solenoid valves, brake servo control unit, vacuum pump for brakes

D	Ignition/starter switch
J17	Fuel pump relay
J220	Motronic control unit
J542	Brake servo control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N75	Charge pressure control solenoid valve
N205	Inlet camshaft timing adjustment valve -1-
N249	Turbocharger divert air valve
S283	Brake vacuum pump fuse, in plenum chamber
T6m	6-pin connector, brown, in plenum chamber
T14	14-pin connector, in engine compartment, left
V192	Vacuum pump for brakes
85	Earth connection -1-, in engine compartment wiring harness
A86	Connection (50a), in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
D140	Connection (injectors), in engine prewiring wiring harness
E7	Positive (+) connection (87a), in Motronic wiring harness
*	Only models with automatic gearbox

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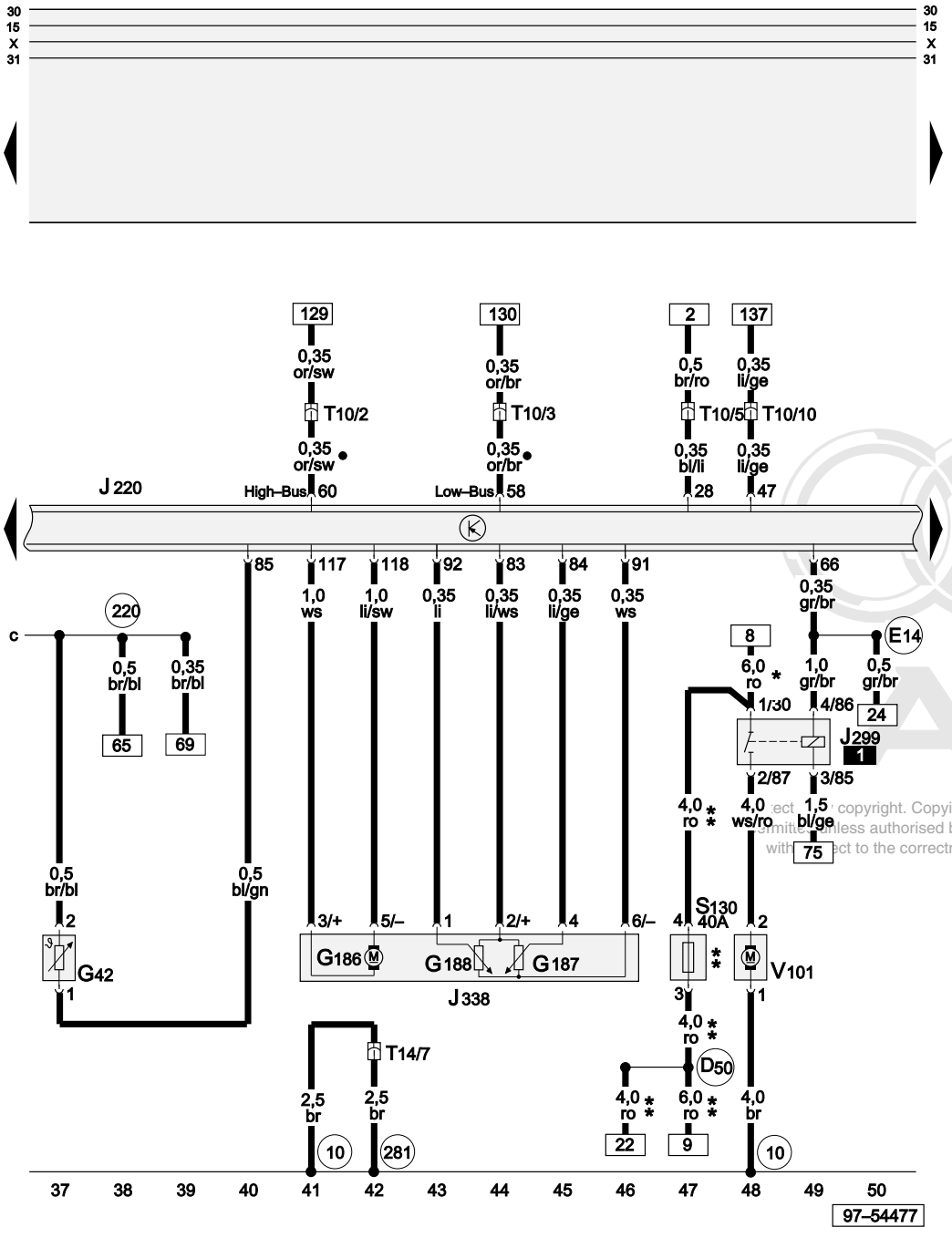


Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor I
G62	Coolant temperature sender
G66	Knock sensor II
J220	Motronic control unit
J234	Airbag control unit
T3b	3-pin connector, blue, knock sensor I, in engine compartment
T3c	3-pin connector, grey, knock sensor II, in engine compartment
T3d	3-pin connector, white, engine speed sender, in engine compartment
T10	10-pin connector, white, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
D101	Connection -1-, in engine compartment wiring harness

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rs	=	pink

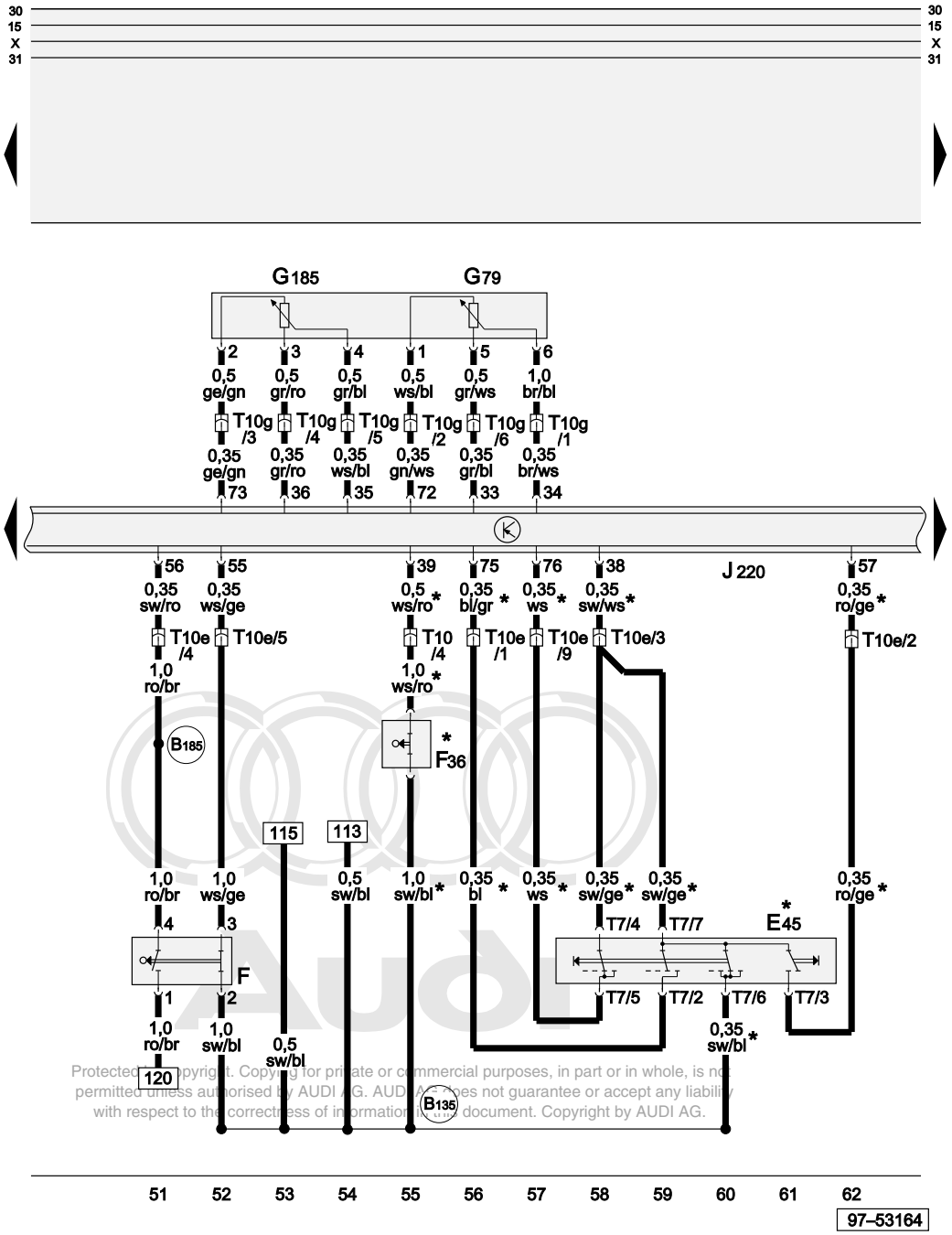


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Motronic control unit, throttle valve control unit, secondary air system, intake air temperature sender

G42	Intake air temperature sender
G186	Throttle valve drive (electric throttle operation)
G187	Throttle valve drive angle sender -1- (electric throttle operation)
G188	Throttle valve drive angle sender -2- (electric throttle operation)
J220	Motronic control unit
J299	Secondary air pump relay, in plenum chamber
J338	Throttle valve control unit
S130	Secondary air pump fuse, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
V101	Secondary air pump motor
10	Earth point, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
D50	Positive (+) connection (30), in engine compartment wiring harness
E14	Connection -1-, in Motronic wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox
•	CAN bus (data wire)

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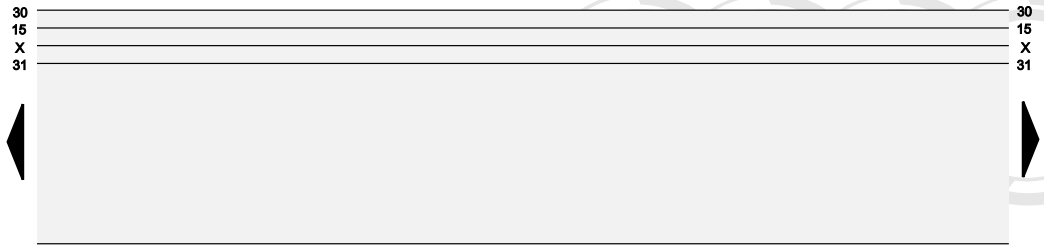


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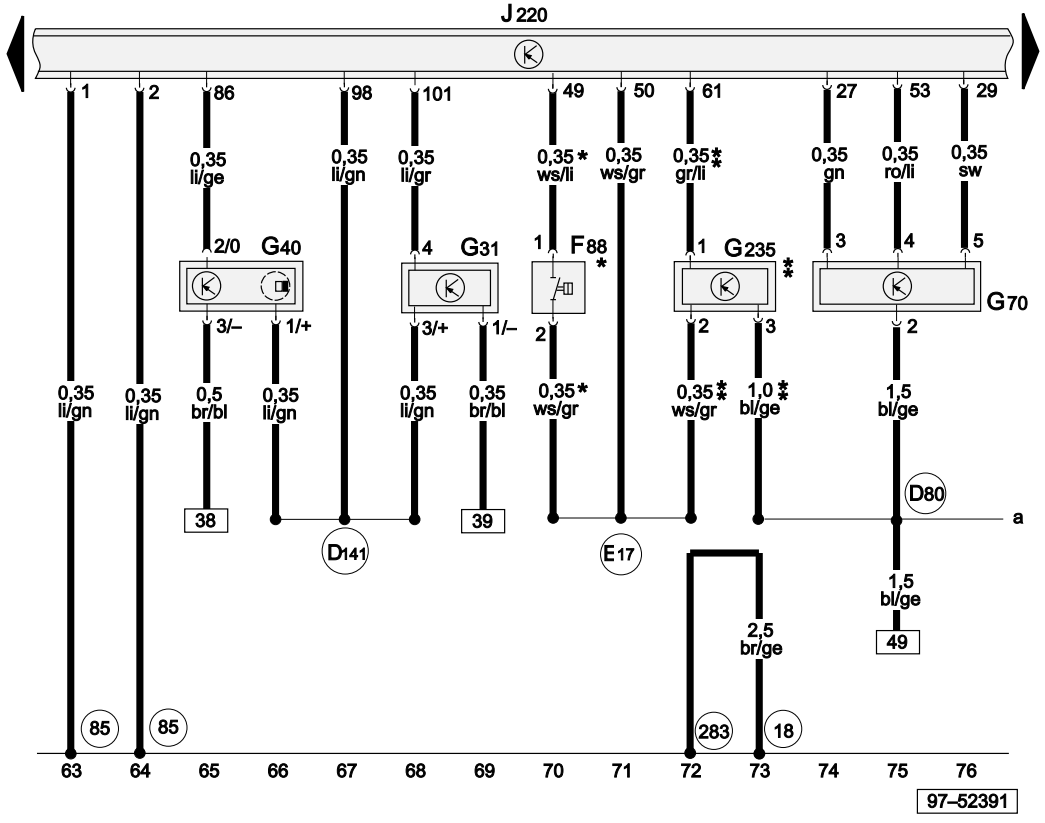
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Motronic control unit, accelerator pedal position senders, brake light switch, clutch pedal switch, cruise control system switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J220	Motronic control unit
T7	7-pin connector, cruise control system, behind steering column switch trim
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox



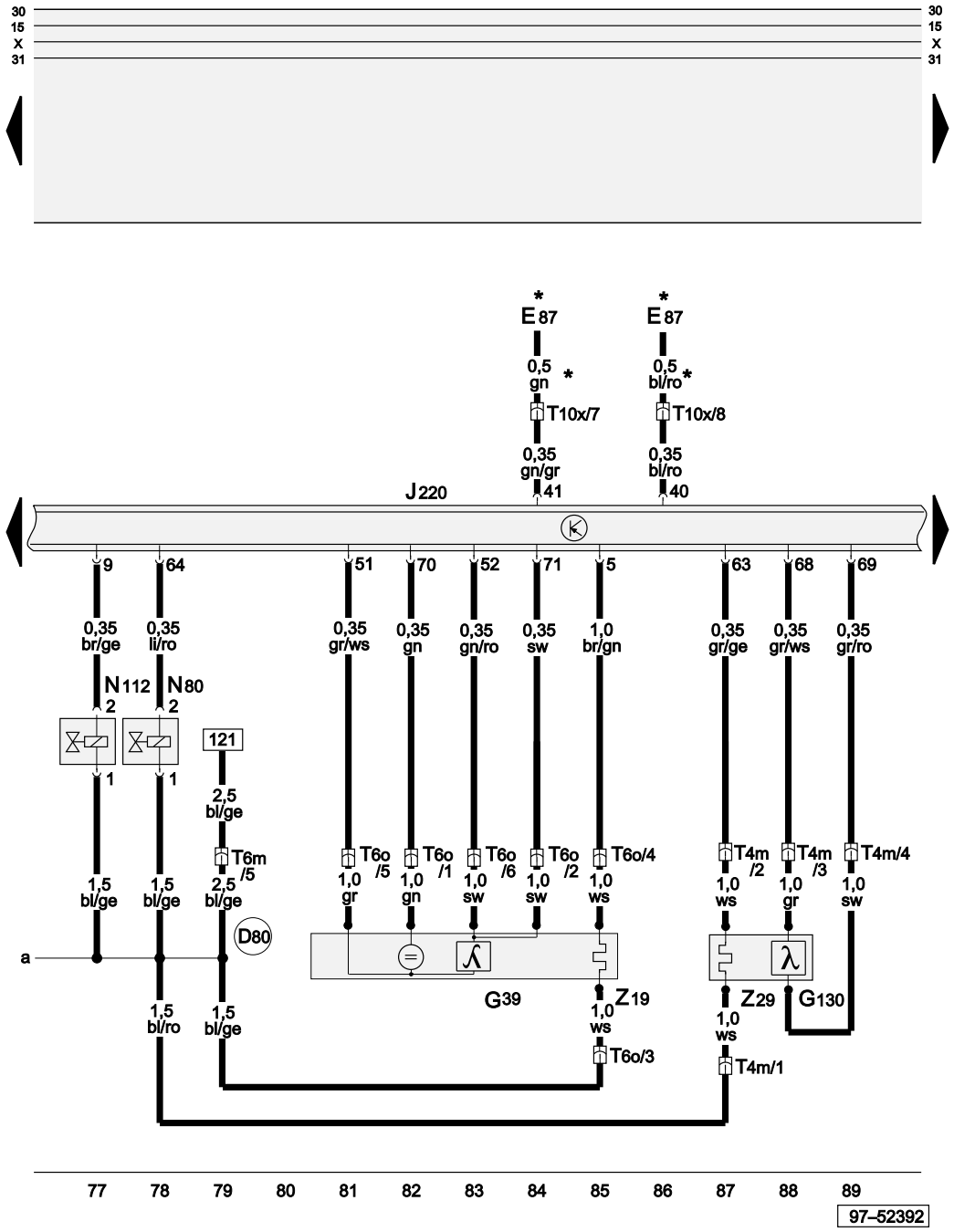
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Motronic control unit, air mass meter, charge air pressure sender, exhaust gas temperature sender -1-, Hall sender

F88	Power assisted steering pressure switch
G31	Charge air pressure sender
G40	Hall sender
G70	Air mass meter
G235	Exhaust gas temperature sender -1-
J220	Motronic control unit
18	Earth point, on cylinder block
85	Earth connection -1-, in engine compartment wiring harness
283	Earth connection -2-, in engine prewiring wiring harness
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
D141	Connection (5V), in engine prewiring wiring harness
E17	Connection -2-, in Motronic wiring harness
*	Does not apply to engine code AUM
**	Applies to engine code AMK only

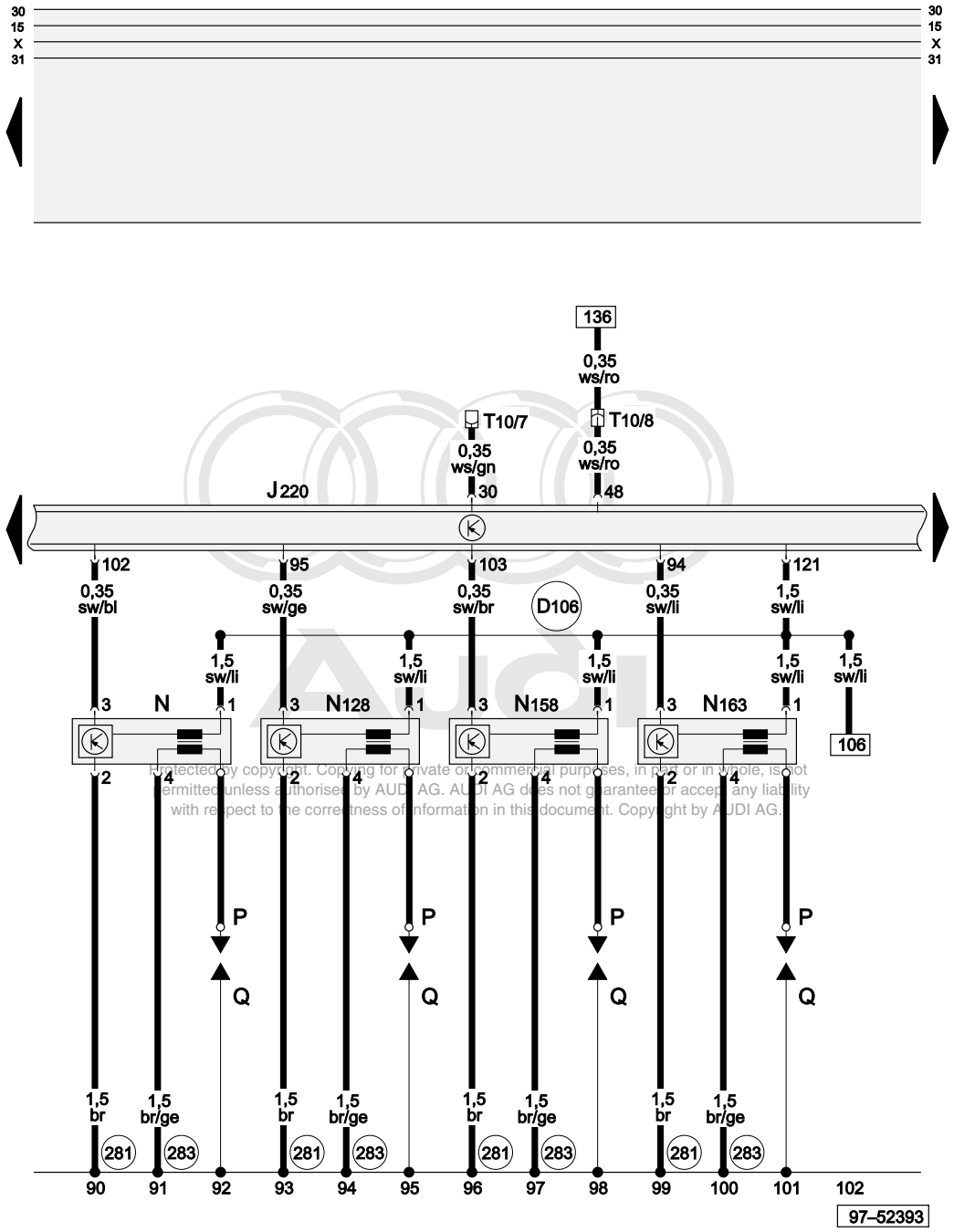


Motronic control unit, lambda probes, solenoid valves

E87	Control and display unit for air conditioner/Climatronic
G39	Lambda probe
G130	Lambda probe downstream of catalytic converter
J220	Motronic control unit
N80	Activated charcoal filter system solenoid valve I (pulsed)
N112	Secondary air inlet valve
T4m	4-pin connector, lambda probe, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T6o	6-pin connector, lambda probe, in engine compartment, right
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
*	Only models with air conditioner / Climatronic

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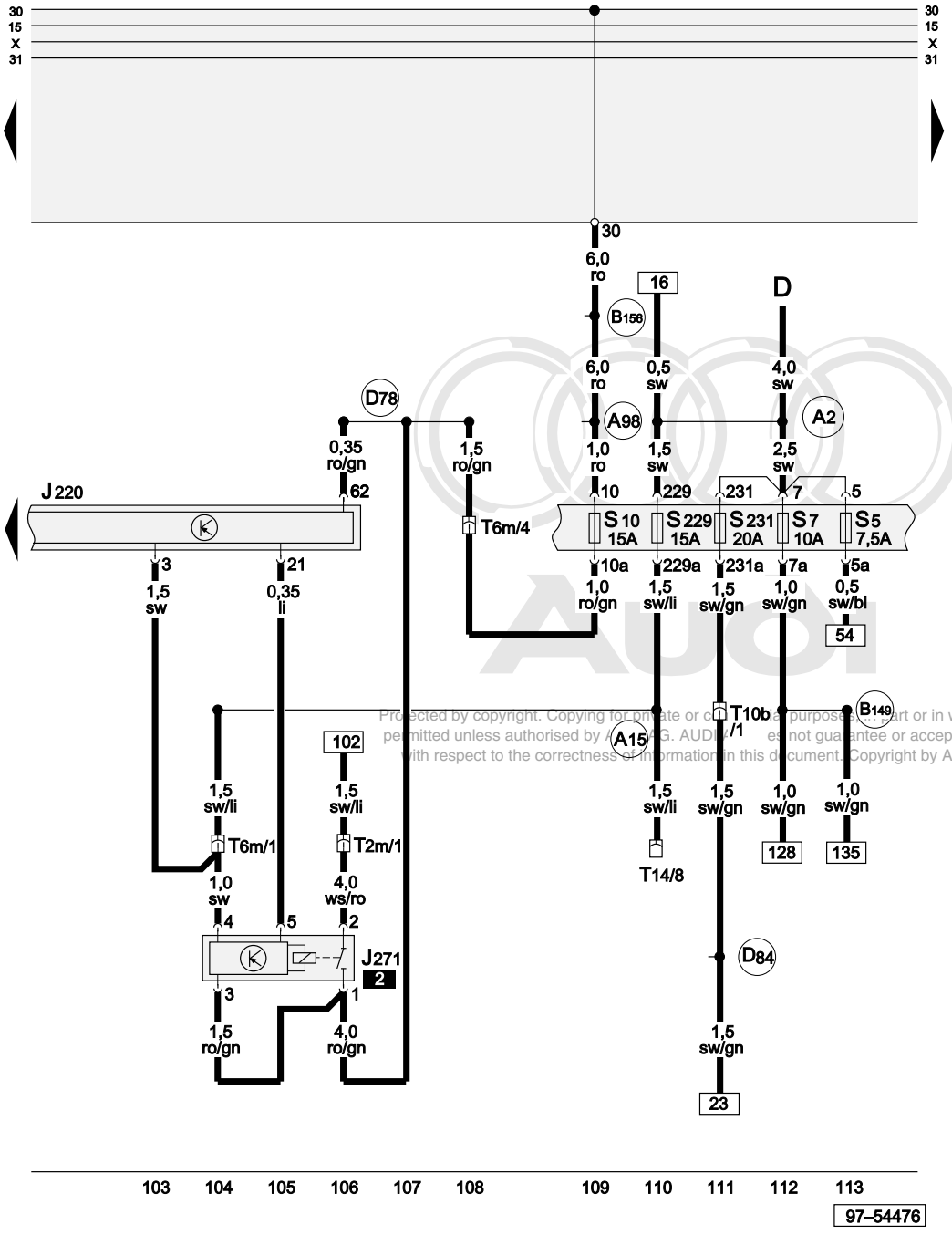


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Motronic control unit, ignition coils

J220	Motronic control unit
N	Ignition coil
N128	Ignition coil 2
N158	Ignition coil 3
N163	Ignition coil 4
P	Spark plug connector
Q	Spark plugs
T10	10-pin connector, white, in plenum chamber
281	Earth connection -1-, in engine prewiring wiring harness
283	Earth connection -2-, in engine prewiring wiring harness
D106	Connection -4-, in engine compartment wiring harness

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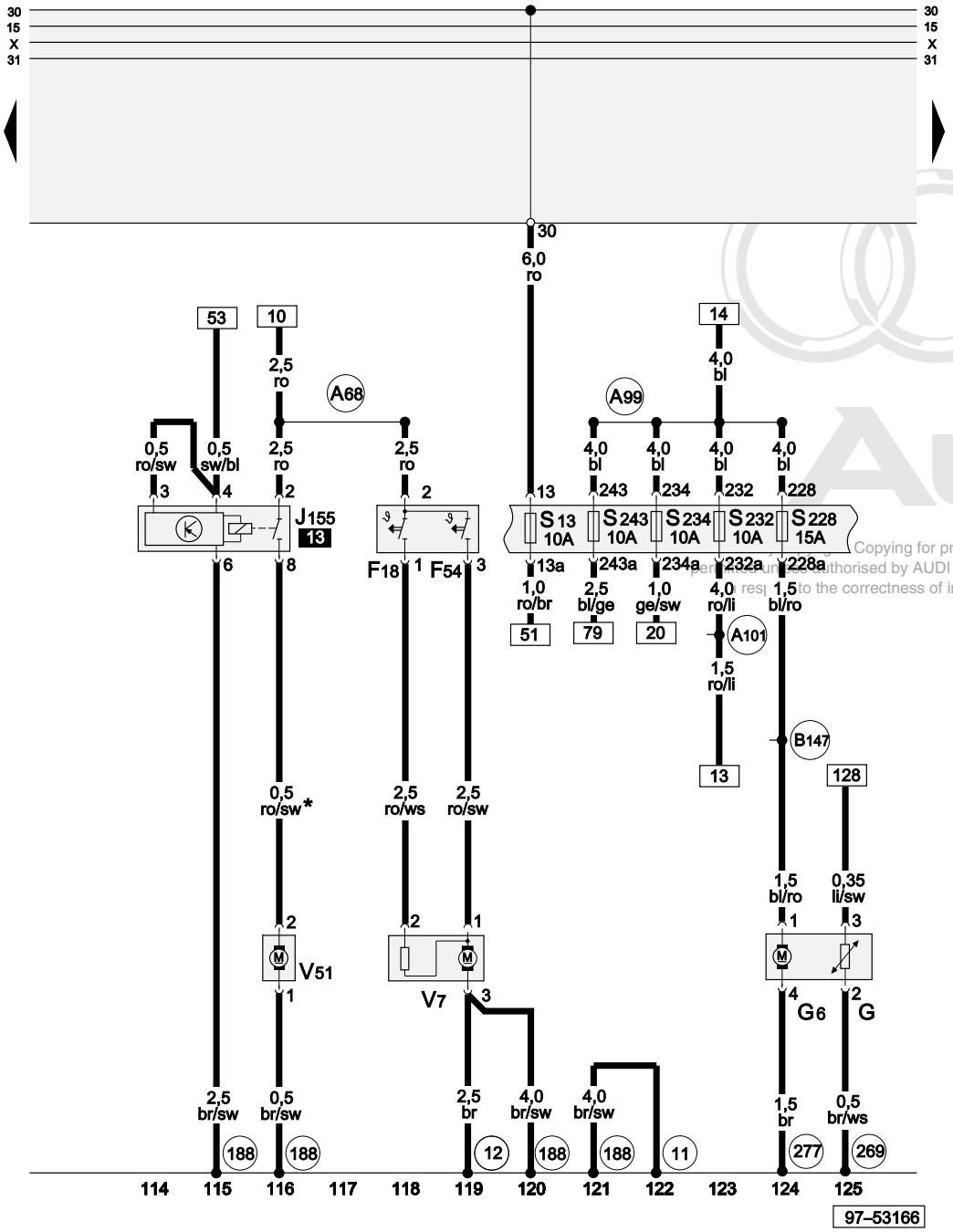


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Motronic control unit, Motronic current supply relay, fuses

D	Ignition/starter switch
J220	Motronic control unit
J271	Motronic current supply relay, in plenum chamber
S5	Fuse in fuse box/relay plate
S7	Fuse in fuse box/relay plate
S10	Fuse in fuse box/relay plate
S229	Fuse in fuse box
S231	Fuse in fuse box
T2m	2-pin connector, engine prewiring, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, engine compartment, in plenum chamber
T10b	10-pin connector, grey, in plenum chamber
T14	14-pin connector, in engine compartment, left
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness

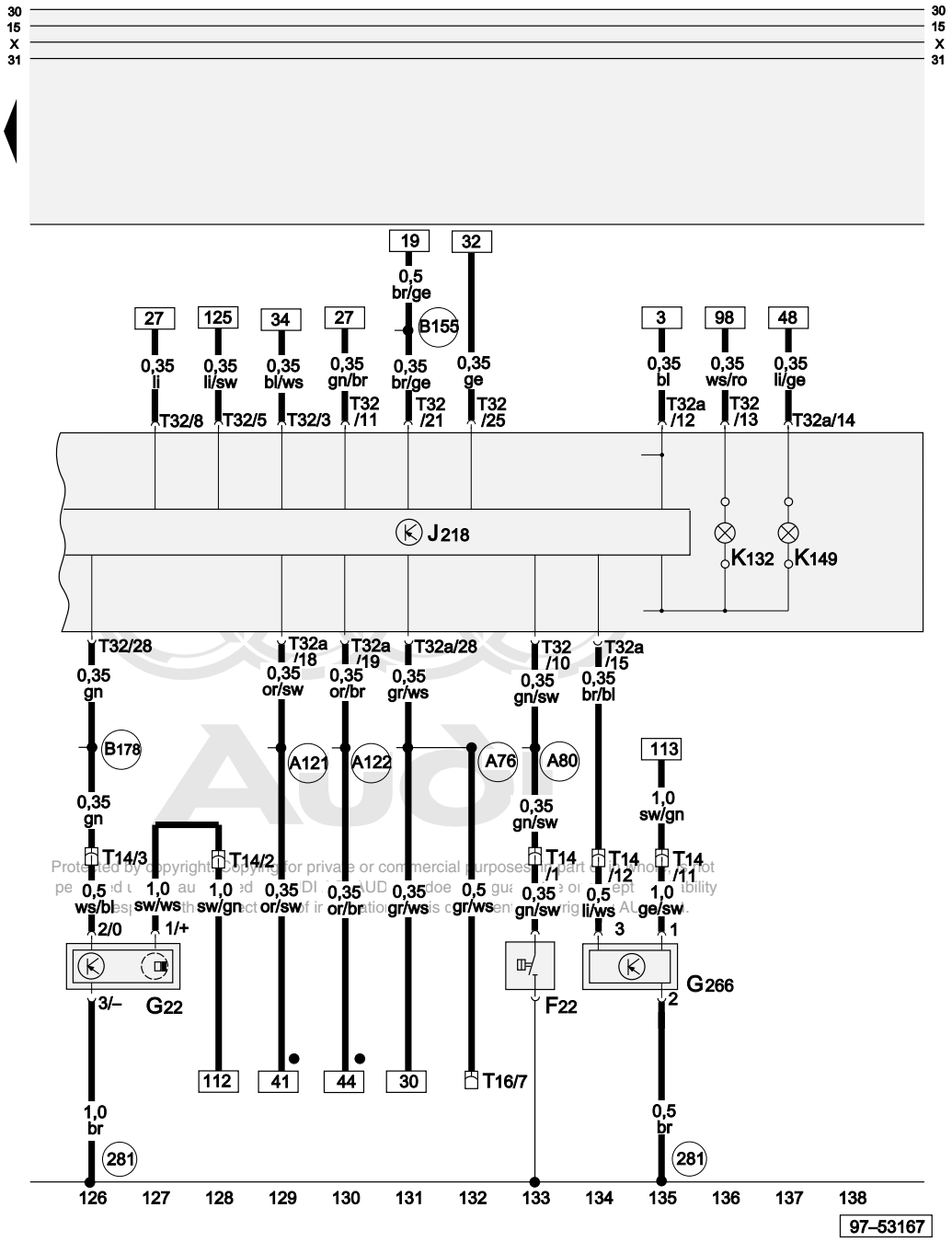


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Radiator fan thermo-switches, fuel pump, fuses, coolant pump control unit

F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
J155	Coolant pump control unit
S13	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
V7	Radiator fan
V51	Continued coolant circulation pump
11	Earth point, in battery box
12	Earth point, in engine compartment, left
188	Earth connection -3-, in air conditioner wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
277	Earth connection -3-, in interior wiring harness
A68	Connection (30, air conditioner), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness

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Dash panel insert, oil pressure switch, oil level/oil temperature sender, speedometer sender

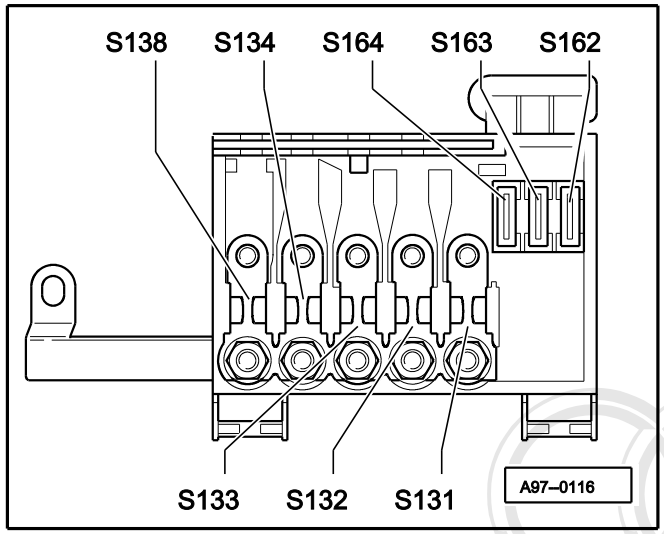
F22	Oil pressure switch (0.3 bar)
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level/oil temperature sender
J218	Combi-processor in dash panel insert
K132	Electronic power control fault lamp
K149	Engine electronics warning lamp
T14	14-pin connector, in engine compartment, left
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
281	Earth connection -1-, in engine prewiring wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
B155	Connection -2- (DC), in interior wiring harness
B178	Connection (speed signal), in interior wiring harness
•	CAN bus (data wire)

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Anti-lock brake system (ABS) MK60 with electronic differential lock (EDL) and traction control system (ASR/TCS)

From model year 2001

Main fuse box / battery:

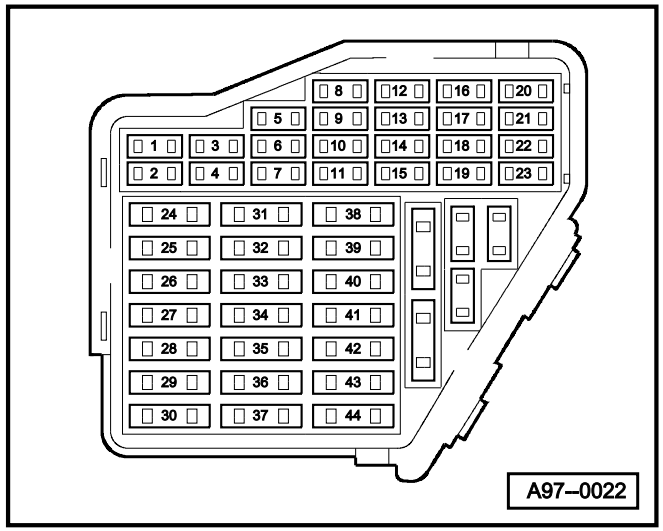


Position of fuses:

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - 1 in fuse in fuse box/battery
S163 - 2 fuse in fuse box/battery
S164 - 3 fuse in fuse box/battery

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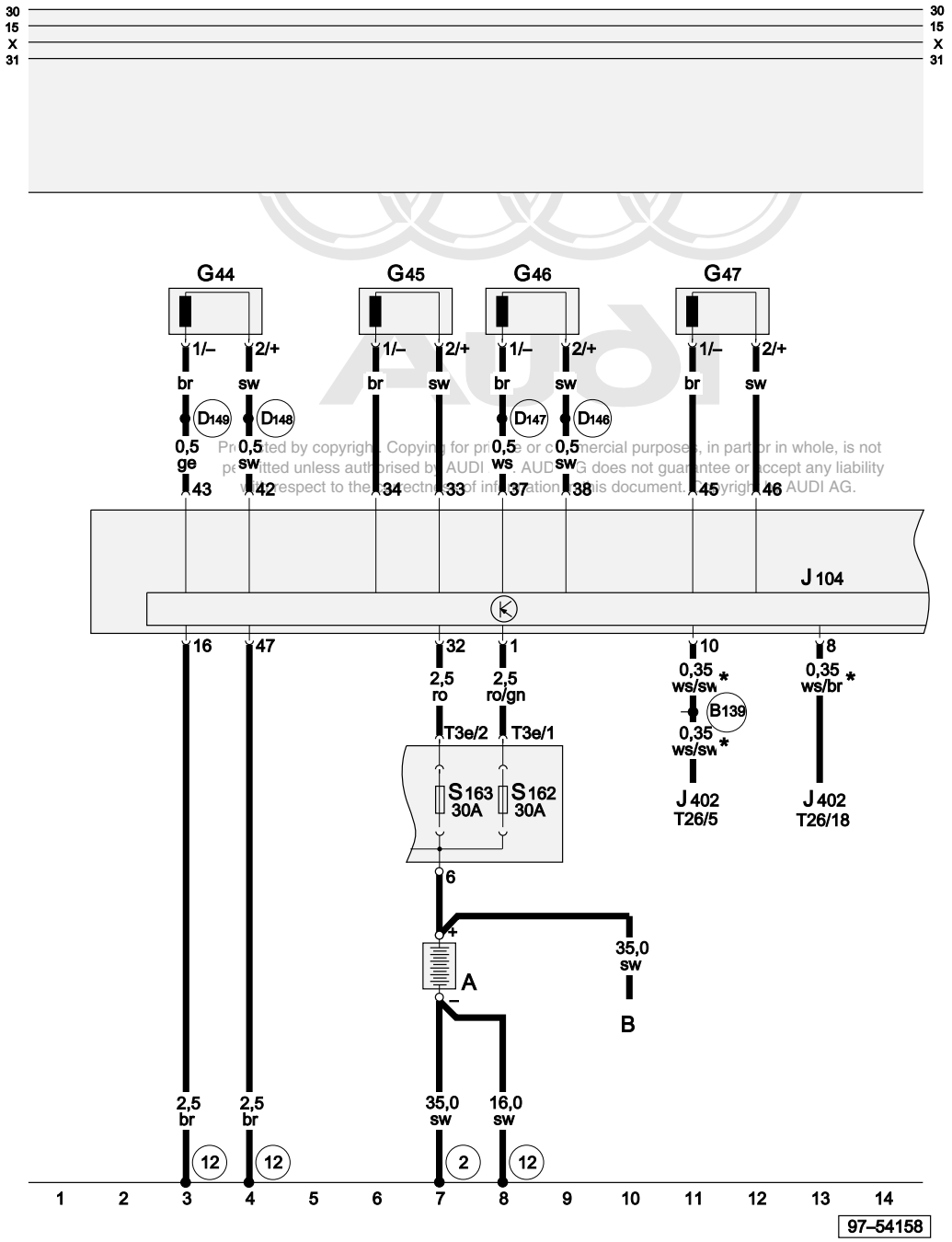
Fuse box



Fuse colours:

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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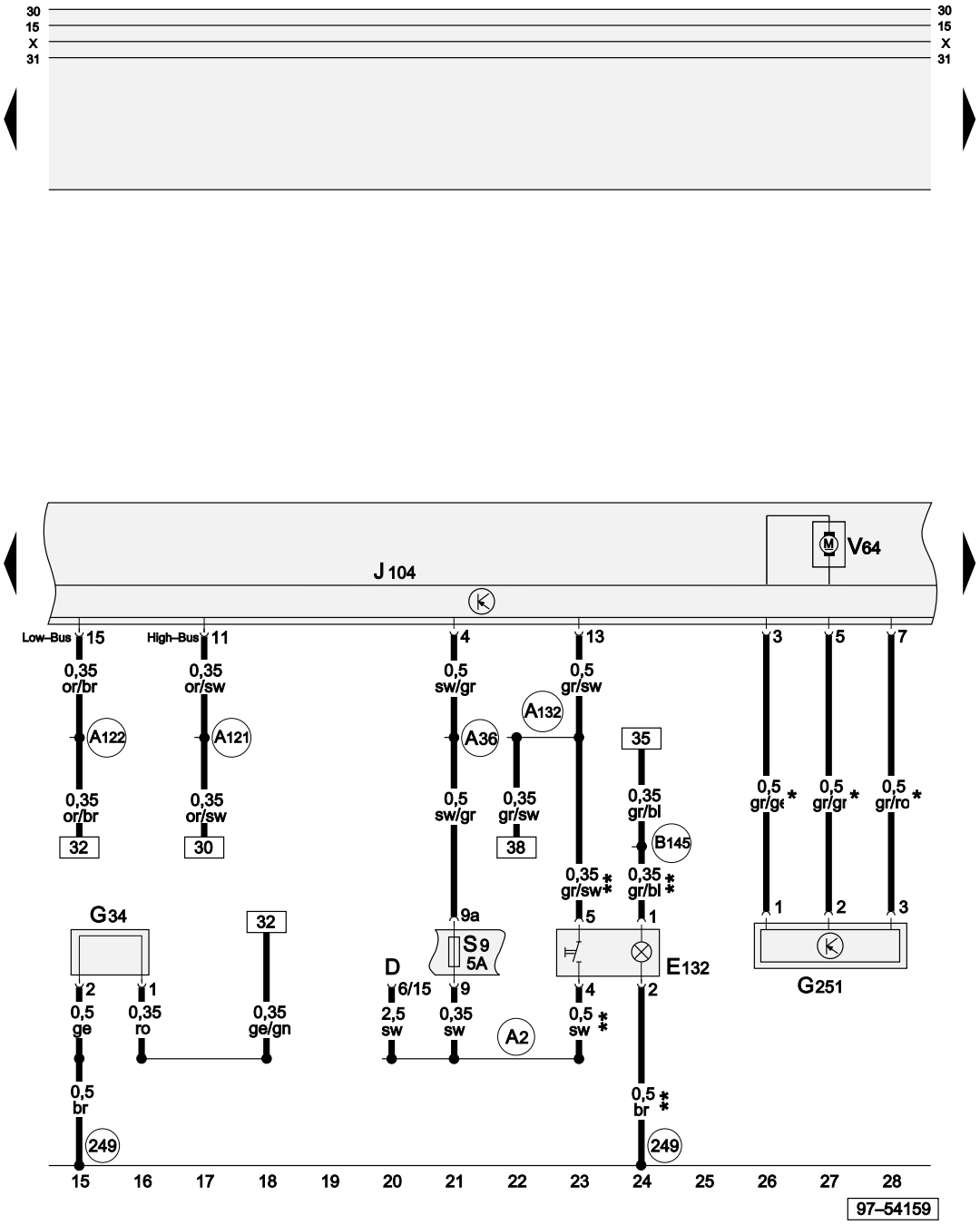


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Battery, starter, speed sensors, ABS with EDL control unit

A	Battery
B	Starter
G44	Rear right speed sensor
G45	Front right speed sensor
G46	Rear left speed sensor
G47	Front left speed sensor
J104	ABS with EDL control unit
J402	Operating electronics control unit, navigation
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
T3e	3-pin connector, black, on main fuse box
T26	26-pin connector, black, on navigation control unit
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left
B139	Connection (PL (parking light, left)), in interior wiring harness
D146	Connection (rear left speed sensor +), in engine compartment wiring harness
D147	Connection (rear left speed sensor -), in engine compartment wiring harness
D148	Connection (rear right speed sensor +), in engine compartment wiring harness
D149	Connection (rear right speed sensor -), in engine compartment wiring harness
*	Applies to navigation system (RNS-D)

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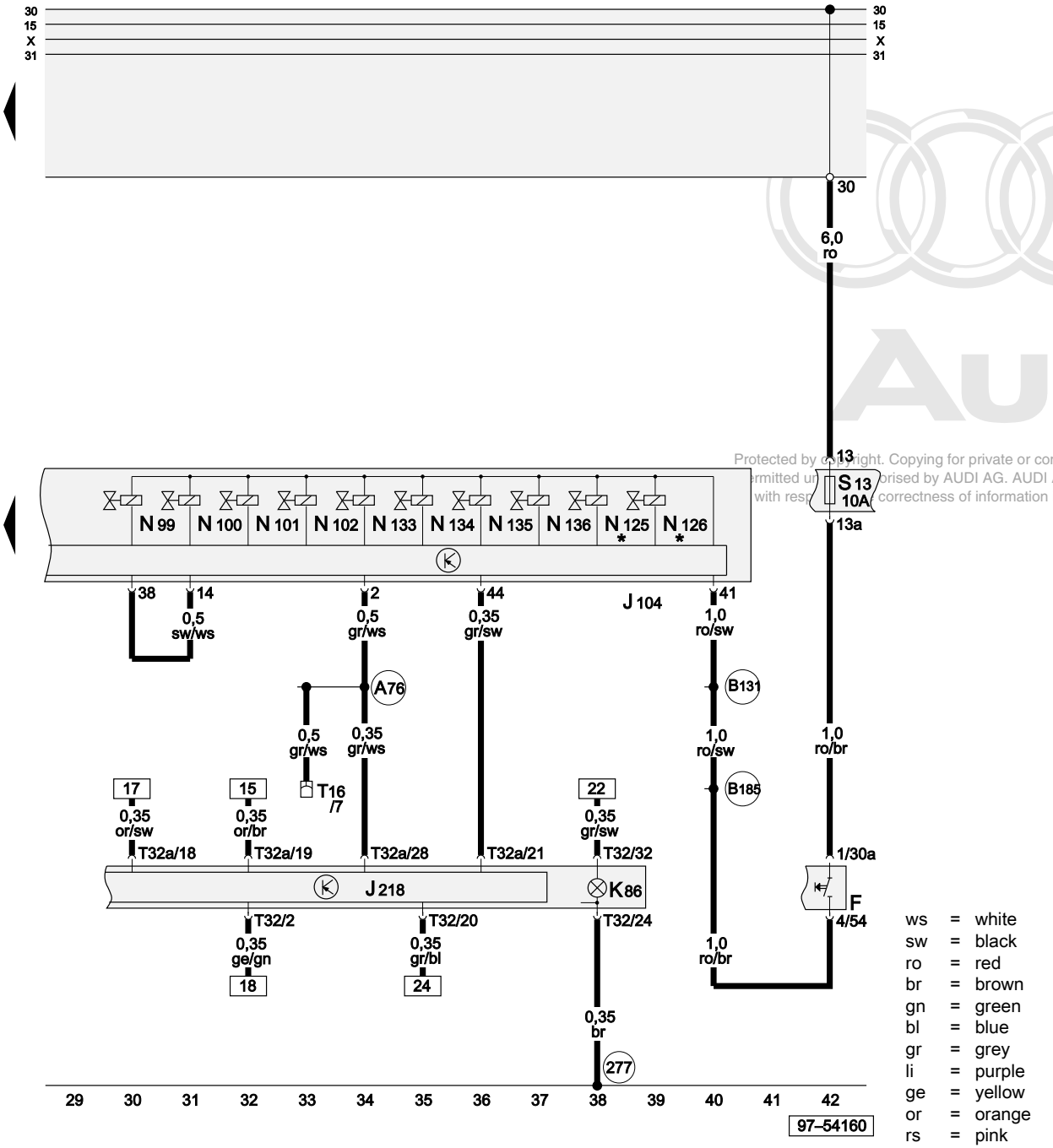


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ABS with EDL control unit, traction control system switch, longitudinal acceleration sender

D	Ignition/starter switch
E132	Traction control system switch
G34	Brake lining/pad wear sender, front left
G251	Longitudinal acceleration sender
J104	ABS with EDL control unit
S9	Fuse in fuse box/relay plate
V64	ABS hydraulic pump
249	Earth connection -2-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A36	Connection (75a), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
A132	Connection (TCS/ESP), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with four-wheel drive
**	Only models with ABS, EDL and ASR/TCS

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ABS with EDL control unit, ABS valves, differential lock valve 1, dash panel insert

F	Brake light switch
J104	ABS with EDL control unit
J218	Combi-processor in dash panel insert
K86	Traction control system warning lamp
N99	ABS inlet valve, front right
N100	ABS outlet valve, front right
N101	ABS inlet valve, front left
N102	ABS outlet valve, front left
N125	Differential lock valve 1
N126	Differential lock valve 2
N133	ABS inlet valve, rear right
N134	ABS inlet valve, rear left
N135	ABS outlet valve, rear right
N136	ABS outlet valve, rear left
S13	Fuse in fuse box/relay plate
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
277	Earth connection -3-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only applies to ABS with EDL

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Driver information system

from model year 2001

Notes:

For information concerning

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

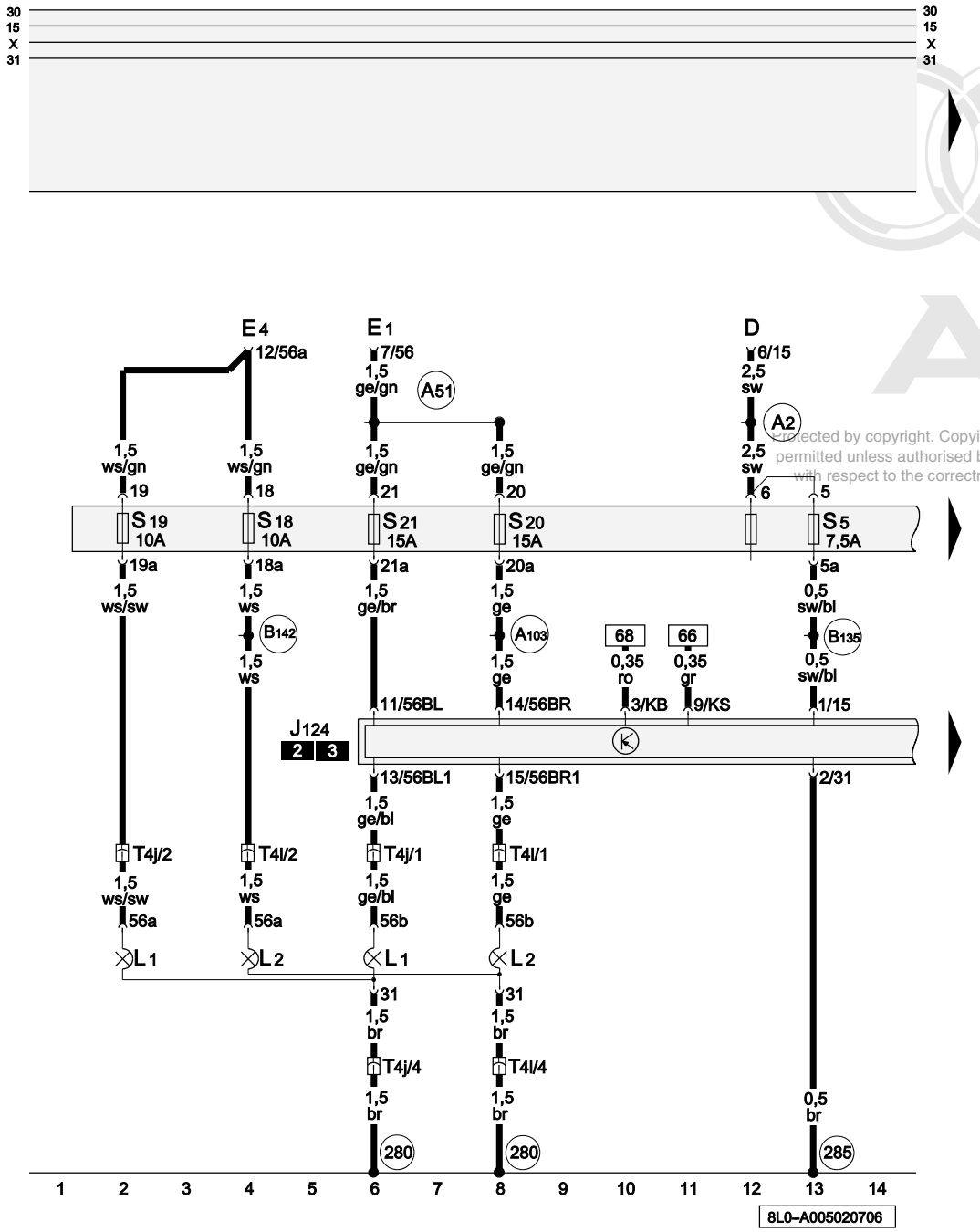
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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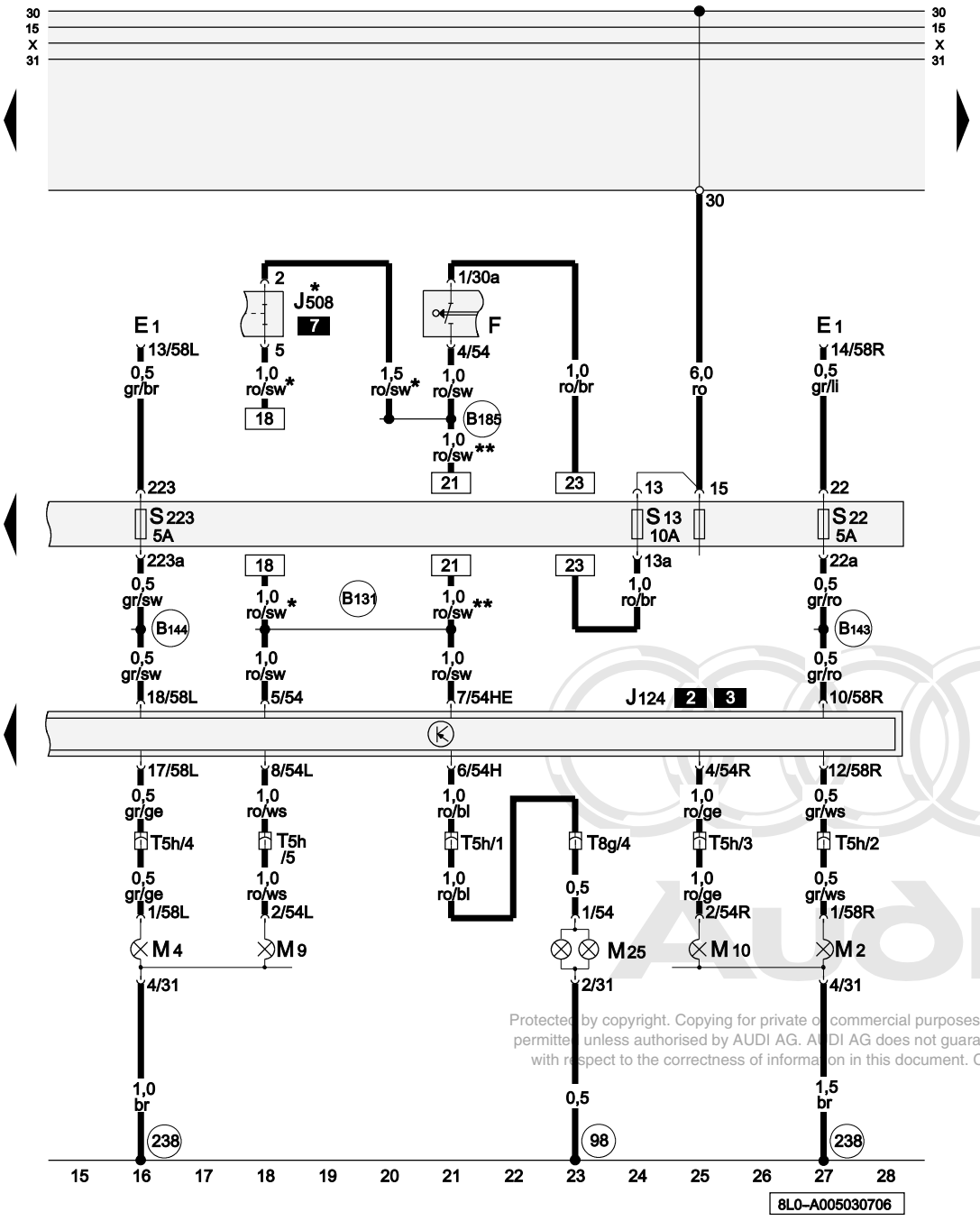


Fuses, left and right twin filament bulb

D	Ignition/starter switch
E1	Light switch
E4	Headlight dipper/flasher switch
J124	Rear bulb monitoring device
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
S5	Fuse in relay plate fuse holder
S18	Fuse in relay plate fuse holder
S19	Fuse in relay plate fuse holder
S20	Fuse in relay plate fuse holder
S21	Fuse in relay plate fuse holder
T4j	4-pin connector, left headlight
T4l	4-pin connector, right headlight
280	Earth connection, in communications wiring harness
285	Earth connection 7, in interior wiring harness
A2	Positive connection (15), in dash panel wiring harness
A51	Connection (56), in dash panel wiring harness
A103	Connection 2 (56), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B142	Positive connection 2 (56a), in interior wiring harness

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

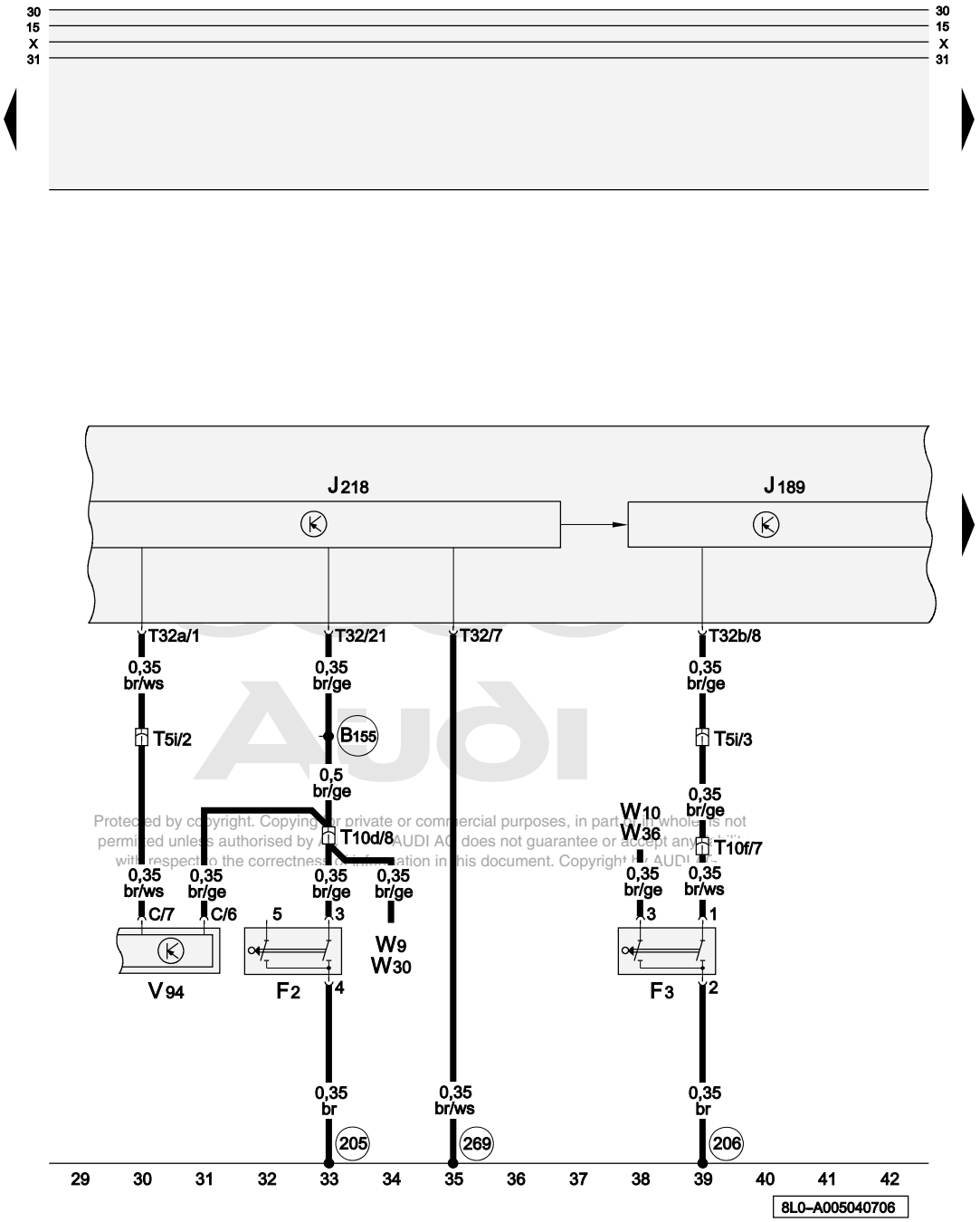


Brake light, tail light, fuses

E1	Light switch
F	Brake light switch
J124	Rear bulb monitoring device
J508	Brake light suppression relay
M2	Right tail light bulb
M4	Left tail light bulb
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
S13	Fuse in relay plate fuse holder
S22	Fuse in relay plate fuse holder
S223	Fuse in fuse holder
T5h	5-pin connector, brown, A-pillar left, near relay plate
T8g	8-pin connector, brown, on left in luggage compartment
98	Earth connection, in rear lid wiring harness
238	Earth connection 1, in interior wiring harness
B131	Connection (54), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness
B185	Connection 2 (54), in interior wiring harness
*	for models with anti-lock brake system (ABS) MK20
**	for models with anti-lock brake system (ABS) MK60 only

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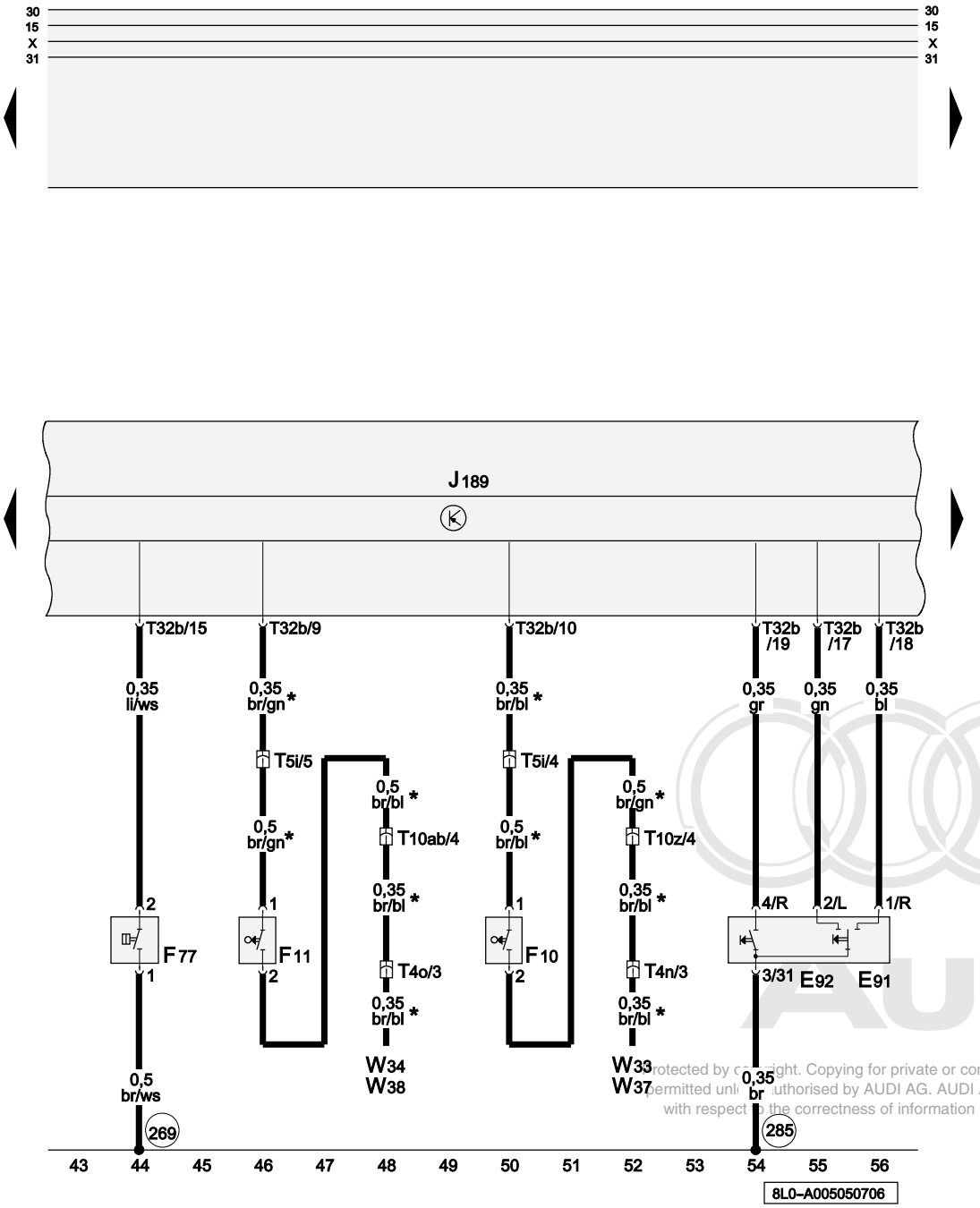


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On-board computer with auto-check system, door contact switch, dash panel insert

F2	Driver door contact switch
F3	Front passenger door contact switch
J189	Auto-check system
J218	Combi-processor in dash panel insert
T5i	5-pin connector, black, A-pillar left, near relay plate
T10d	10-pin connector, brown, connector carrier on left of A-pillar
T10f	10-pin connector, brown, connector carrier on right of A-pillar
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
T32b	32-pin connector, grey, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W9	Left footwell light
W10	Right footwell light
W30	Driver side door warning lamp
W36	Front passenger side door warning lamp
205	Earth connection, in driver door wiring harness
206	Earth connection, in front passenger door wiring harness
269	Earth connection (sender earth) 1, in dash panel wiring harness
B155	Connection 2 (DCt), in interior wiring harness

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

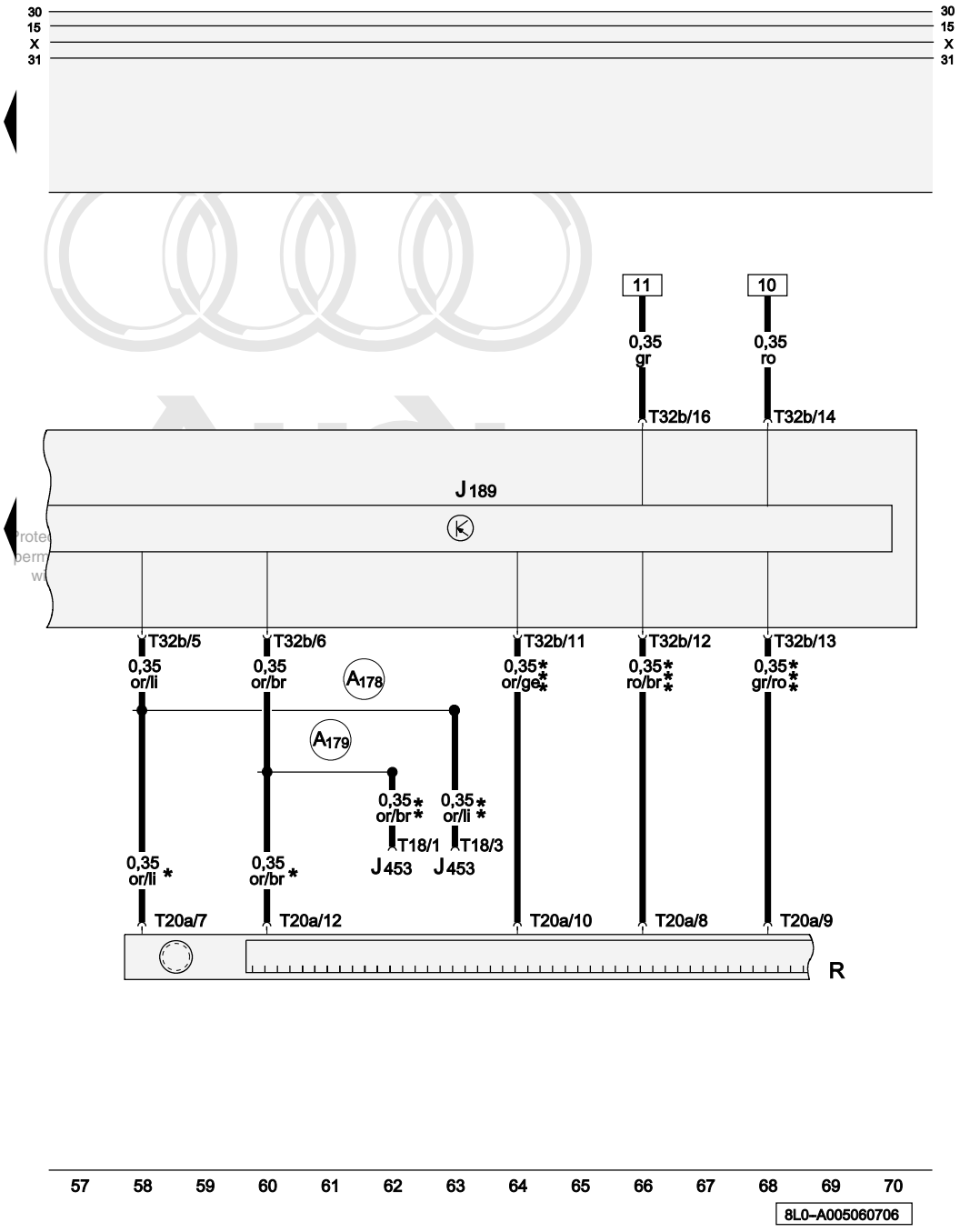


On-board computer with auto-check system, windscreen washer fluid level display, door contact switch

E91	Function selection switch
E92	Reset button
F10	Rear left door contact switch
F11	Rear right door contact switch
F77	Washer fluid warning contact
J189	Auto-check system
T4n	4-pin connector, black, in rear left door
T4o	4-pin connector, black, in rear right door
T5i	5-pin connector, black, A-pillar left, near relay plate
T10z	10-pin connector, green, connector carrier on left of B-pillar
T10ab	10-pin connector, green, connector carrier on right of B-pillar
T32b	32-pin connector, grey, on dash panel insert
W33	Rear left entry light
W34	Rear right entry light
W37	Rear left door warning lamp
W38	Rear right door warning lamp
269	Earth connection (sender earth) 1, in dash panel wiring harness
285	Earth connection 7, in interior wiring harness
*	only with 4-door models

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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On-board computer with auto-check system, infotainment CAN bus, radio

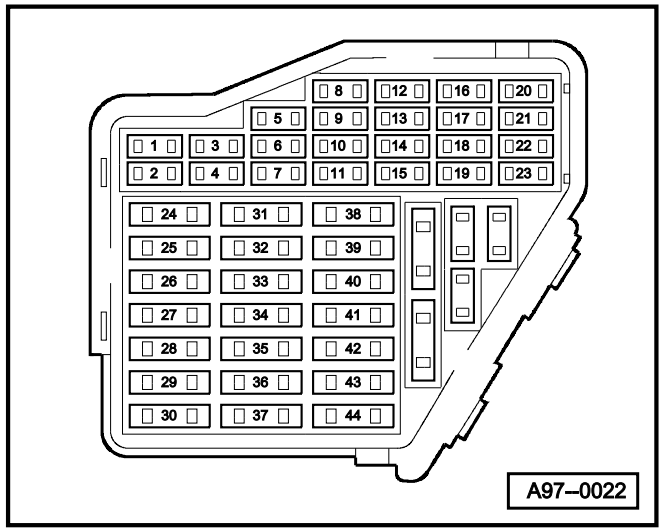
J189	Auto-check system
J453	Multifunction steering wheel control unit
R	Radio
T18	18-pin connector, on multifunction steering wheel control unit
T20a	20-pin connector, black, on radio
T32b	32-pin connector, grey, on dash panel insert
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
*	from model year 2001, only with radio symphony
**	with multifunction steering wheel
***	from model year 2001, not with radio symphony, is dropped, from model year 2002

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

Seat heating (models with and without air conditioner)

From model year 2001

Fuse box



- Dash panel, driver's side

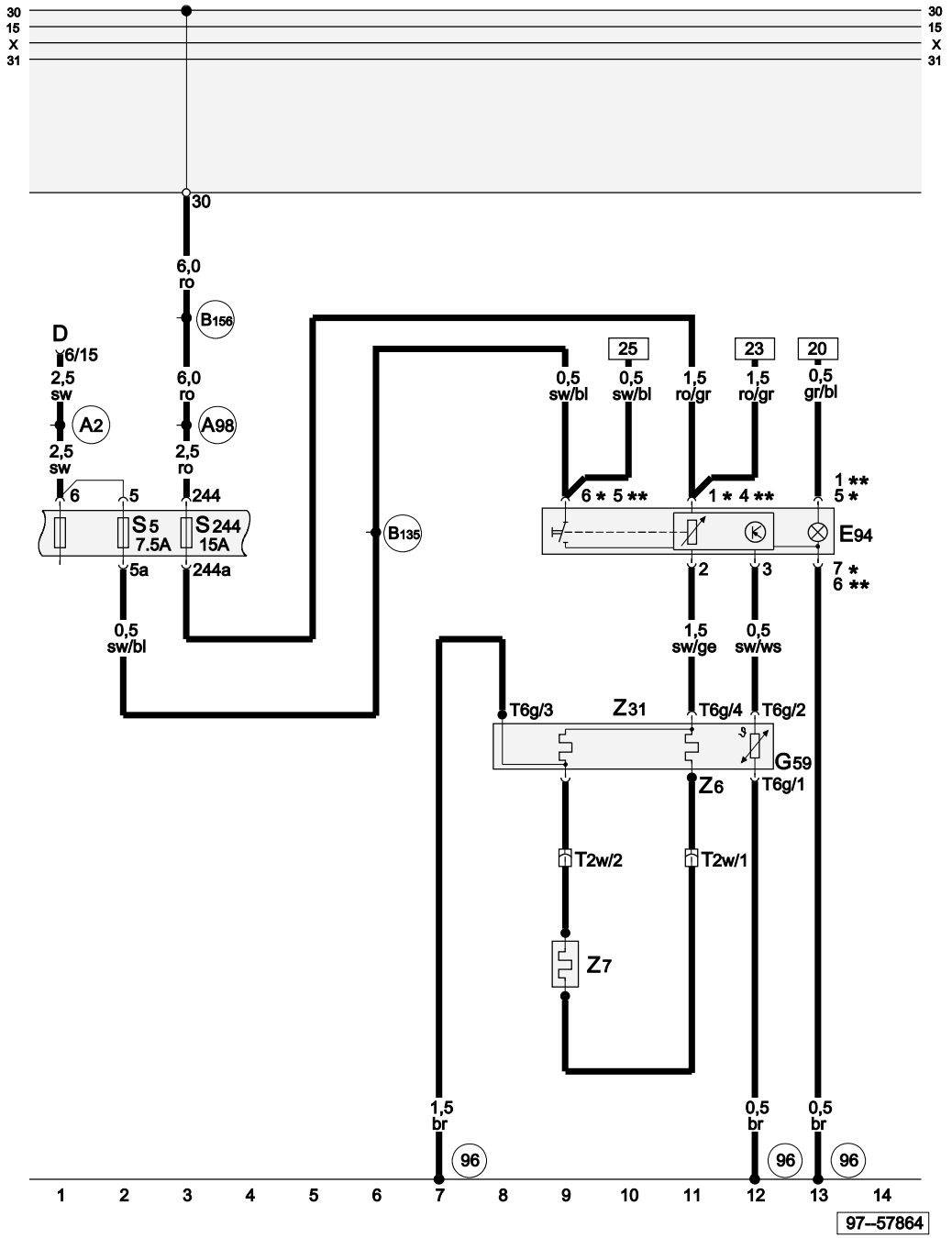
Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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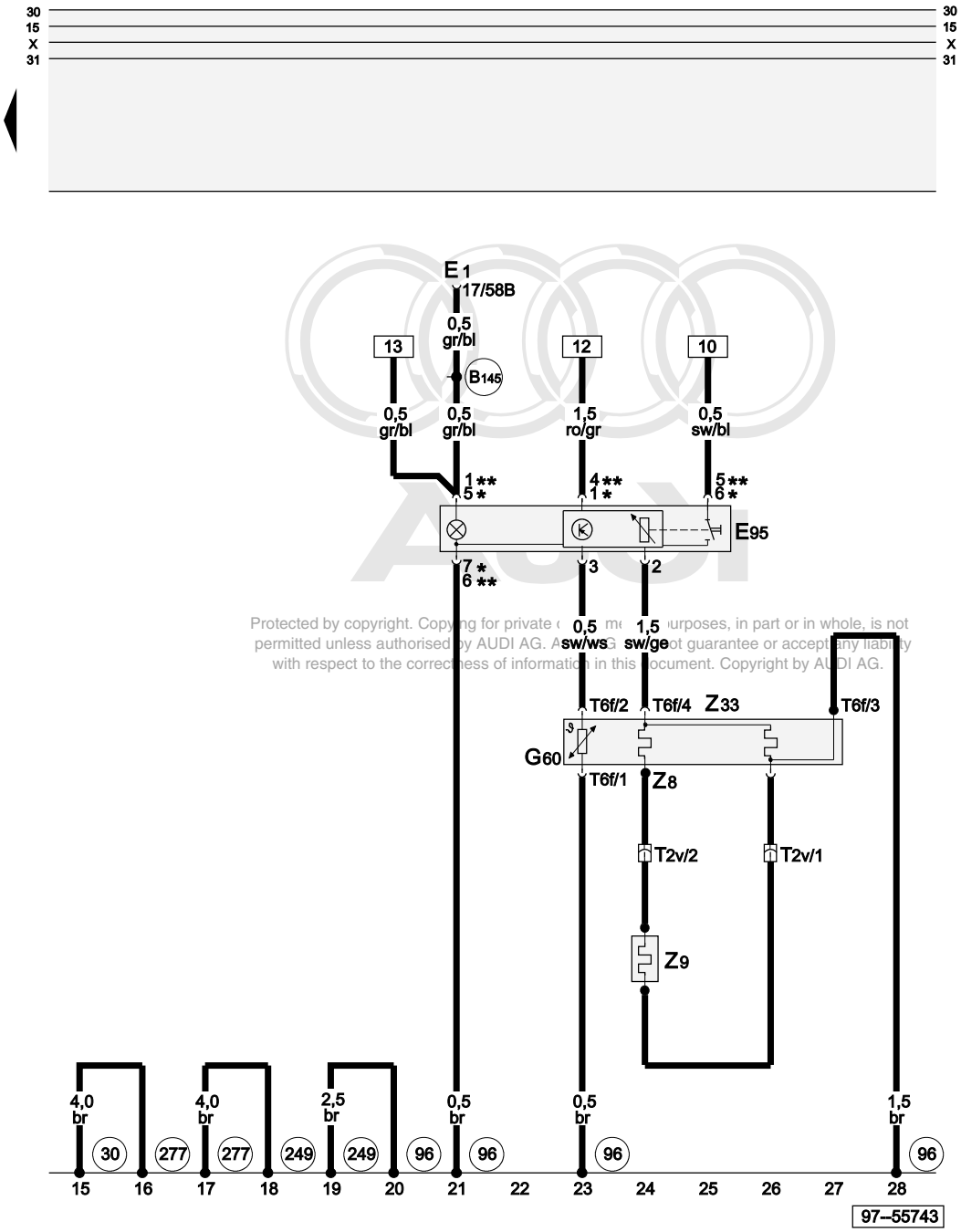


Voltage supply, seat heating on driver's side

D	Ignition/starter switch
E94	Heated driver's seat regulator
G59	Driver's seat temperature sensor
S5	Fuse in fuse box/relay plate
S244	Fuse in fuse box
T2w	2-pin connector, in driver's seat
T6g	6-pin connector, green, under driver's seat
Z6	Heated driver's seat cushion
Z7	Heated driver's seat backrest
Z31	Driver's seat cushion lateral support heater
96	Earth connection -1-, in seat heating wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
*	Only applies to models without air conditioner
**	Only applies to models with air conditioner

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or	=	orange
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or = orange
rs = pink

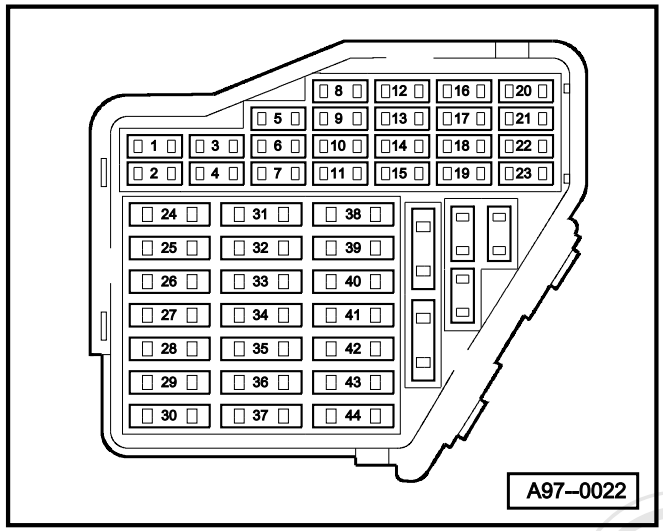
Seat heating on front passenger's side

E1	Lighting switch
E95	Heated front passenger's seat adjuster
G60	Front passenger's seat temperature sensor
T2v	2-pin connector, in front passenger's seat
T6f	6-pin connector, green, under front passenger's seat
Z8	Heated front passenger's seat cushion
Z9	Heated front passenger's seat backrest
Z33	Front passenger's seat lateral support heater
30	Earth point -1-, next to relay plate
96	Earth connection -1-, in seat heating wiring harness
249	Earth connection -2-, in interior wiring harness
277	Earth connection -3-, in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only applies to models without air conditioner
**	Only applies to models with air conditioner

Telephone

From model year 2001

Fuse box



- Dash panel, driver's side

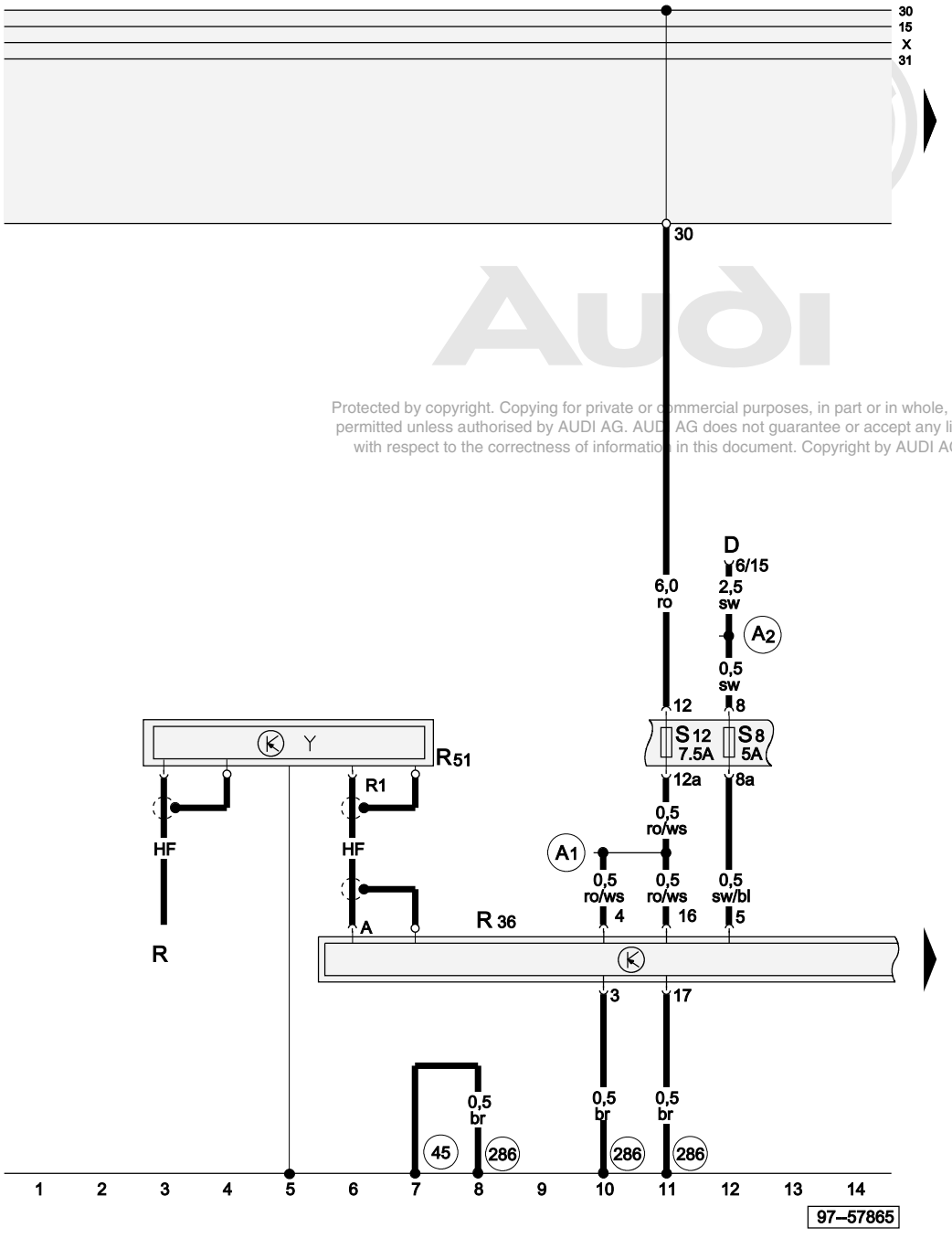
Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

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- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

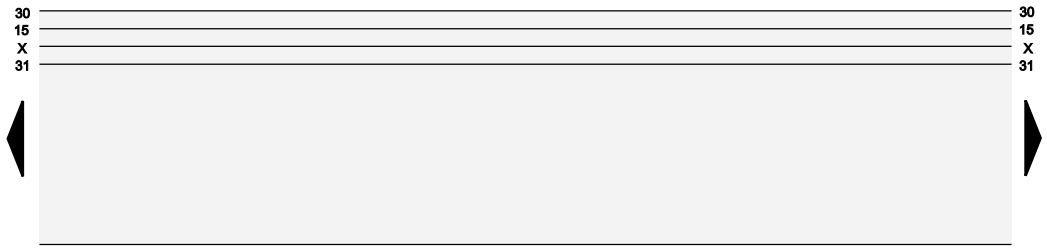


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Voltage supply, aerial connection

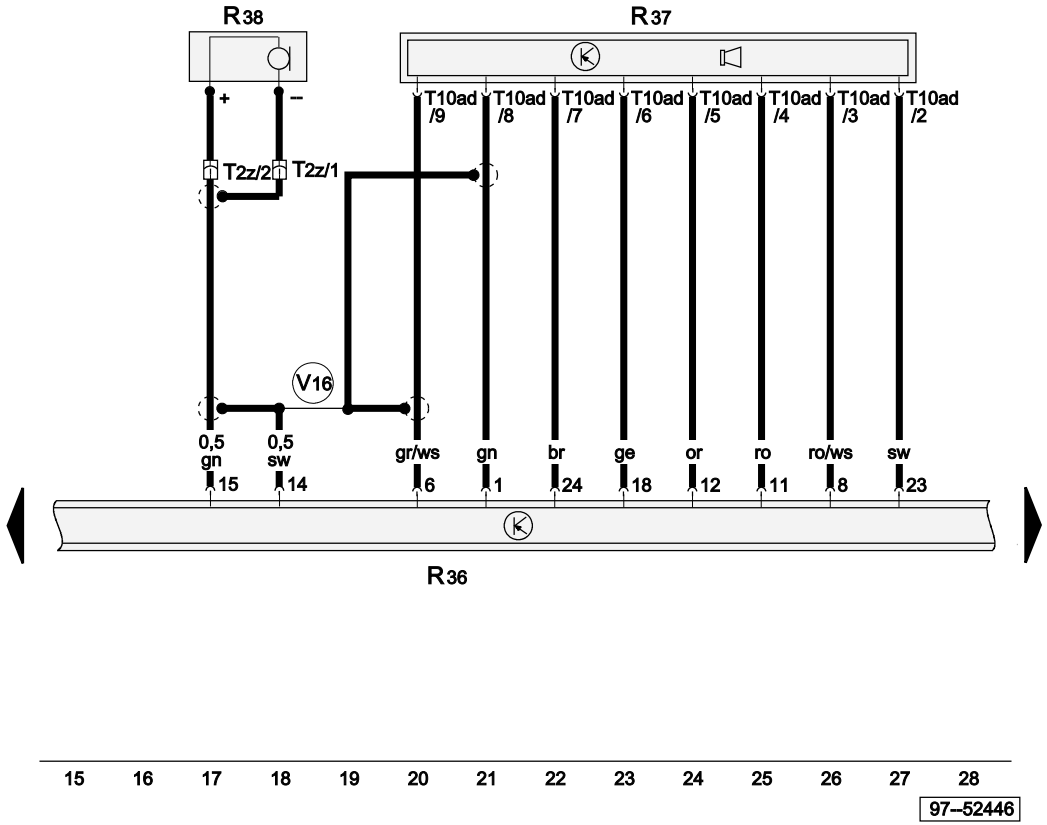
D	Ignition/starter switch
R	Radio
R1	Aerial connection
R36	Telephone transmitter and receiver unit
R51	Radio/telephone aerial
S8	Fuse in fuse box/relay plate
S12	Fuse in fuse box/relay plate
45	Earth point, behind dash panel - centre
286	Earth connection -8-, in interior wiring harness
A1	Positive (+) connection (30a), in dash panel wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness

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



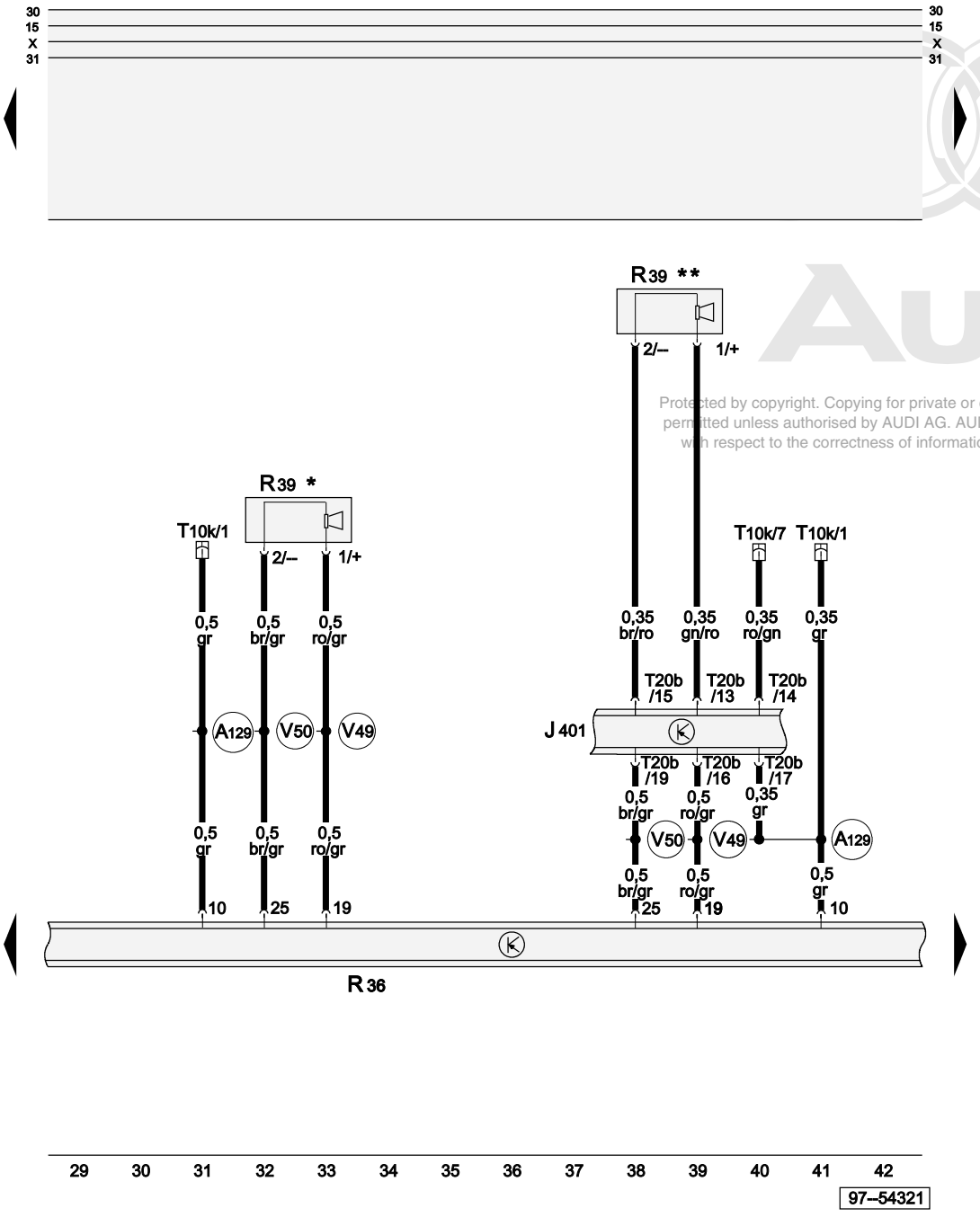
Telephone handset and hands-free microphone

R36	Telephone transmitter and receiver unit
R37	Telephone handset
R38	Telephone microphone
T2z	2-pin connector, at A pillar, left
T10ad	10-pin connector, in centre console
V16	Connection (screening), in telephone wiring harness



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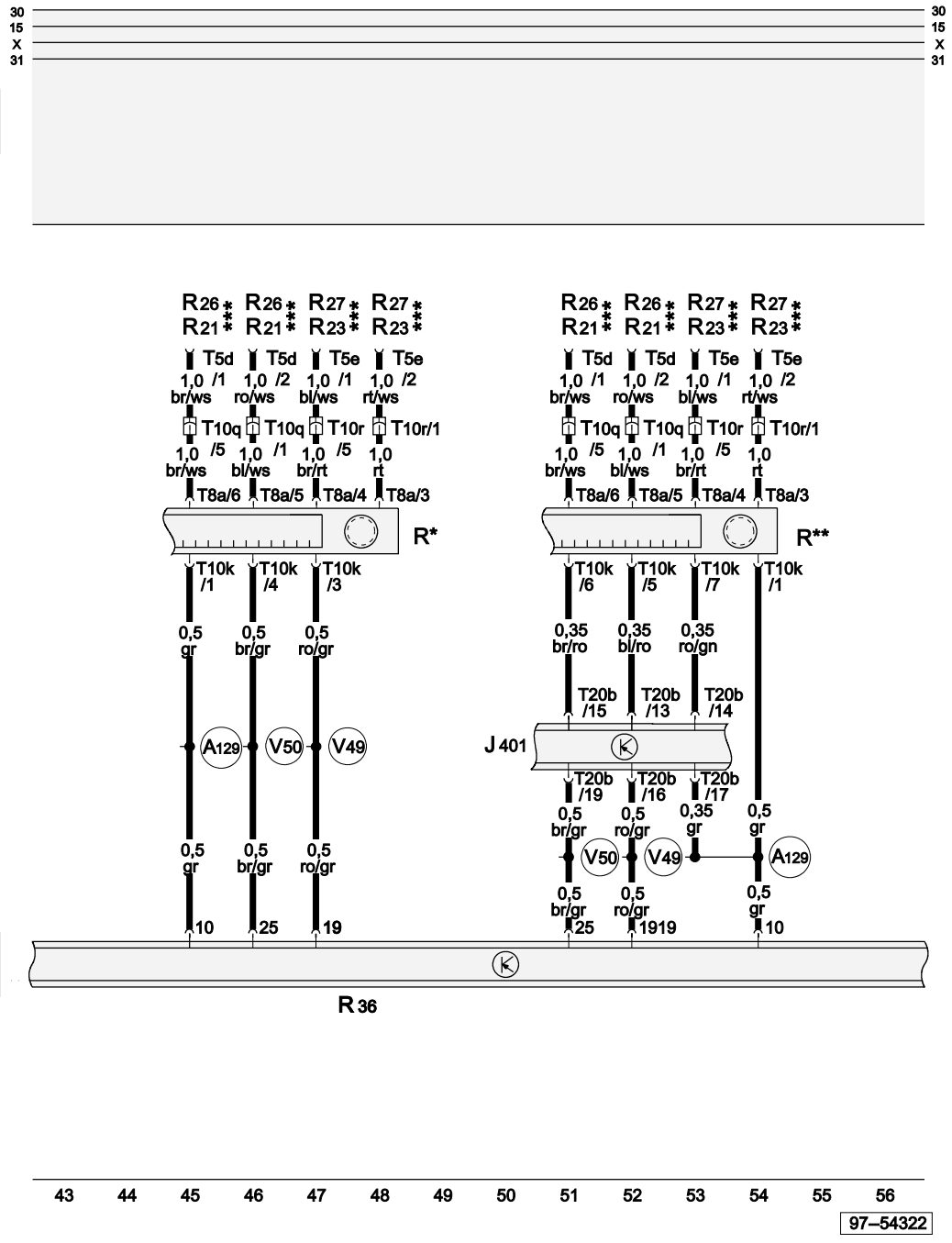


Voice control system without radio

J401	Navigation system with CD drive control unit
R36	Telephone transmitter and receiver unit
R39	Telephone/navigation systems loudspeaker
T10k	10-pin connector, red, on radio
T20b	20-pin connector, black, on navigation control unit
A129	Connection (muting), in dash panel wiring harness
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF -), in communication wiring harness
*	Voice control system without radio
**	Voice control system without radio, with navigation system 'NS Low'

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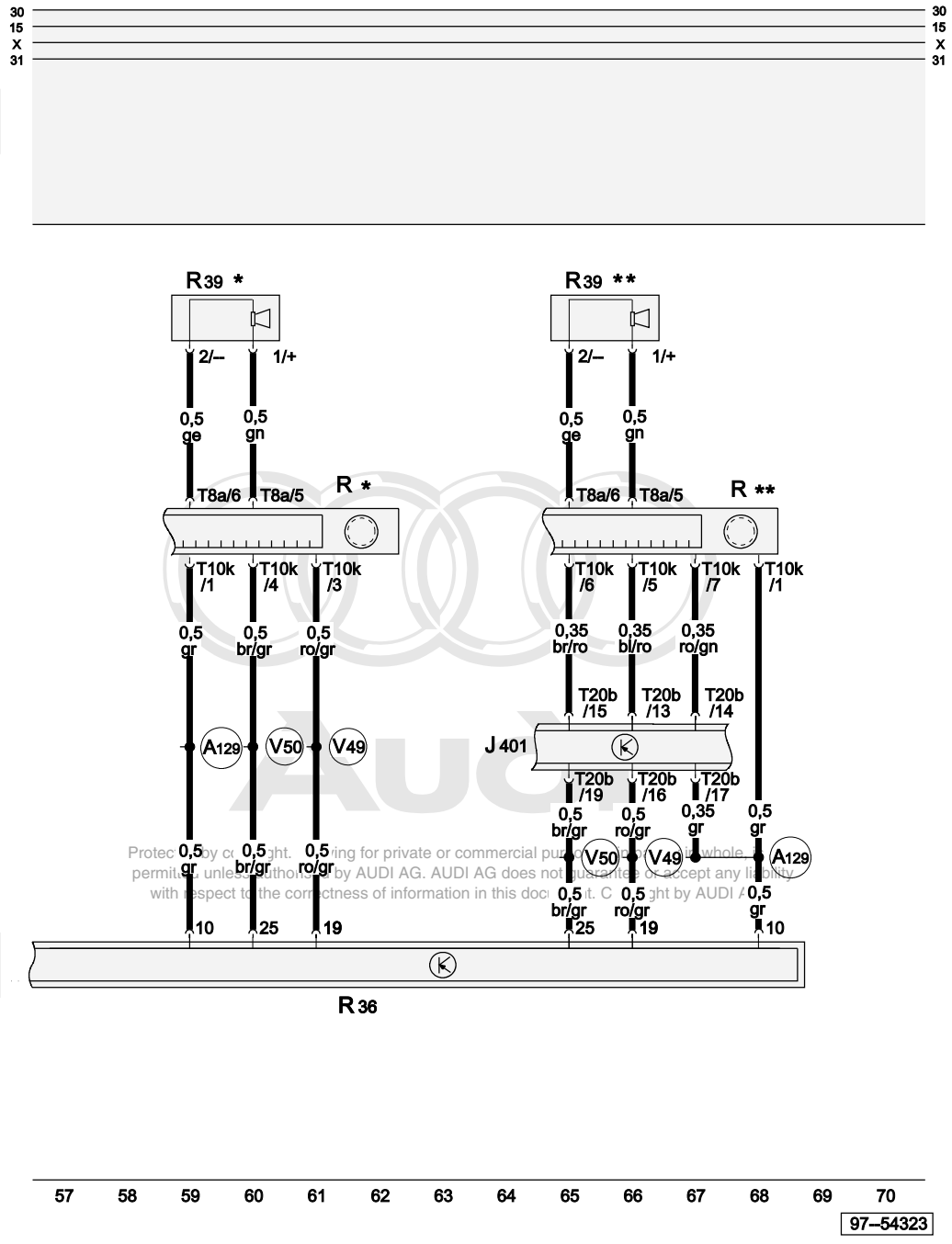


Voice control system with Audi radio

J401	Navigation system with CD drive control unit
R	Radio
R21	Bass loudspeaker, front left
R23	Bass loudspeaker, front right
R26	Middle-high tone loudspeaker, front left
R27	Middle-high tone loudspeaker, front right
R36	Telephone transmitter and receiver unit
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right
T20b	20-pin connector, black, on navigation control unit
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF –), in communication wiring harness
A129	Connection (muting), in dash panel wiring harness
*	Radio without navigation system 'NS LOW'
**	Radio with navigation system 'NS LOW'
***	See Current Flow Diagram No. 13

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Voice control system with Bose sound system

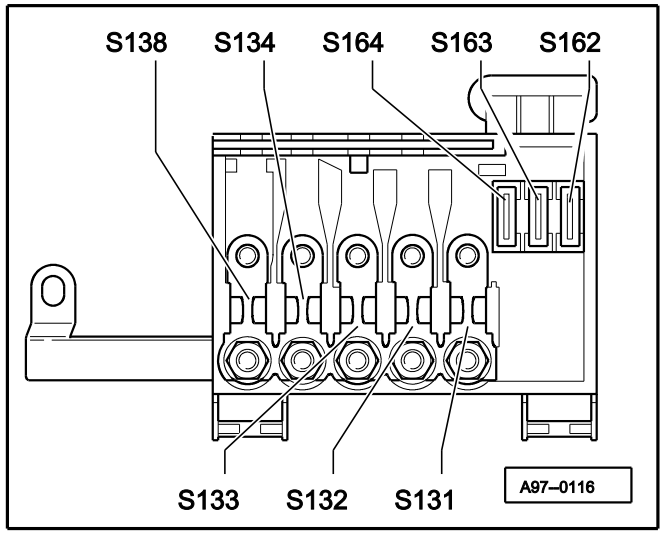
J401	Navigation system with CD drive control unit
R	Radio
R36	Telephone transmitter and receiver unit
R39	Telephone/navigation systems loudspeaker
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T20b	20-pin connector, black, on navigation control unit
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF -), in communication wiring harness
A129	Connection (muting), in dash panel wiring harness
*	Bose sound system without navigation system 'NS LOW'
**	Bose sound system with navigation system 'NS LOW'

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

Anti-lock brake system MK60 (ABS) with electronic stability program (ESP)

From September 2000

Main fuse box / battery:

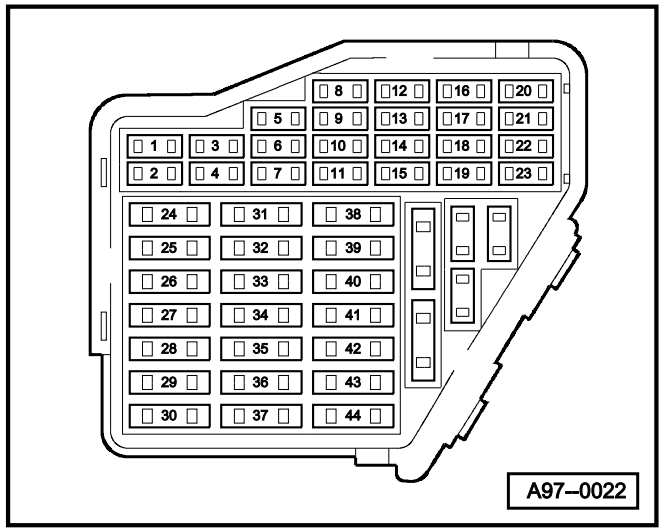


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Position of fuses:

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - 1 in fuse box/battery
S163 - 2 fuse in fuse box/battery
S164 - 3 fuse in fuse box/battery

Fuse box

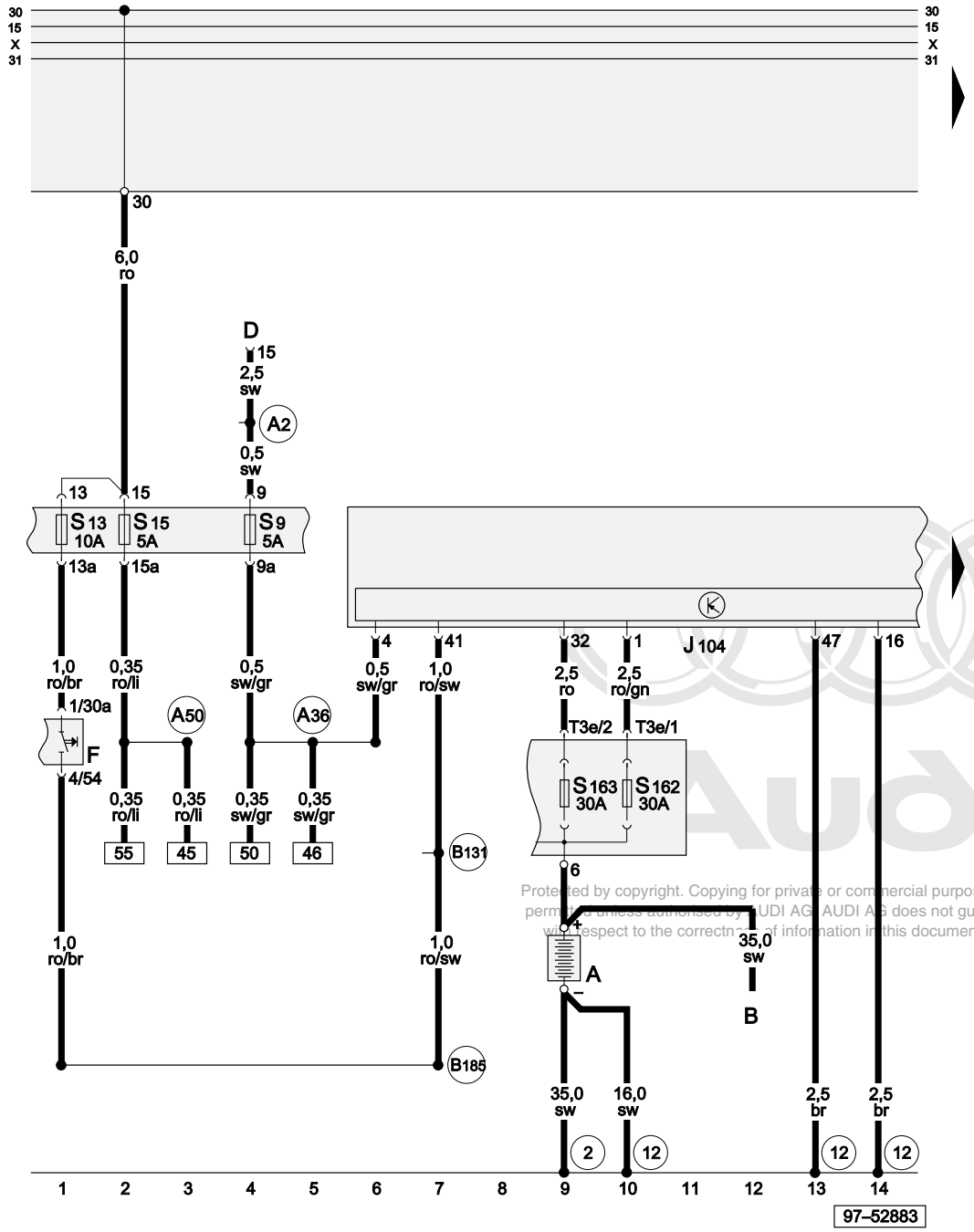


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours:

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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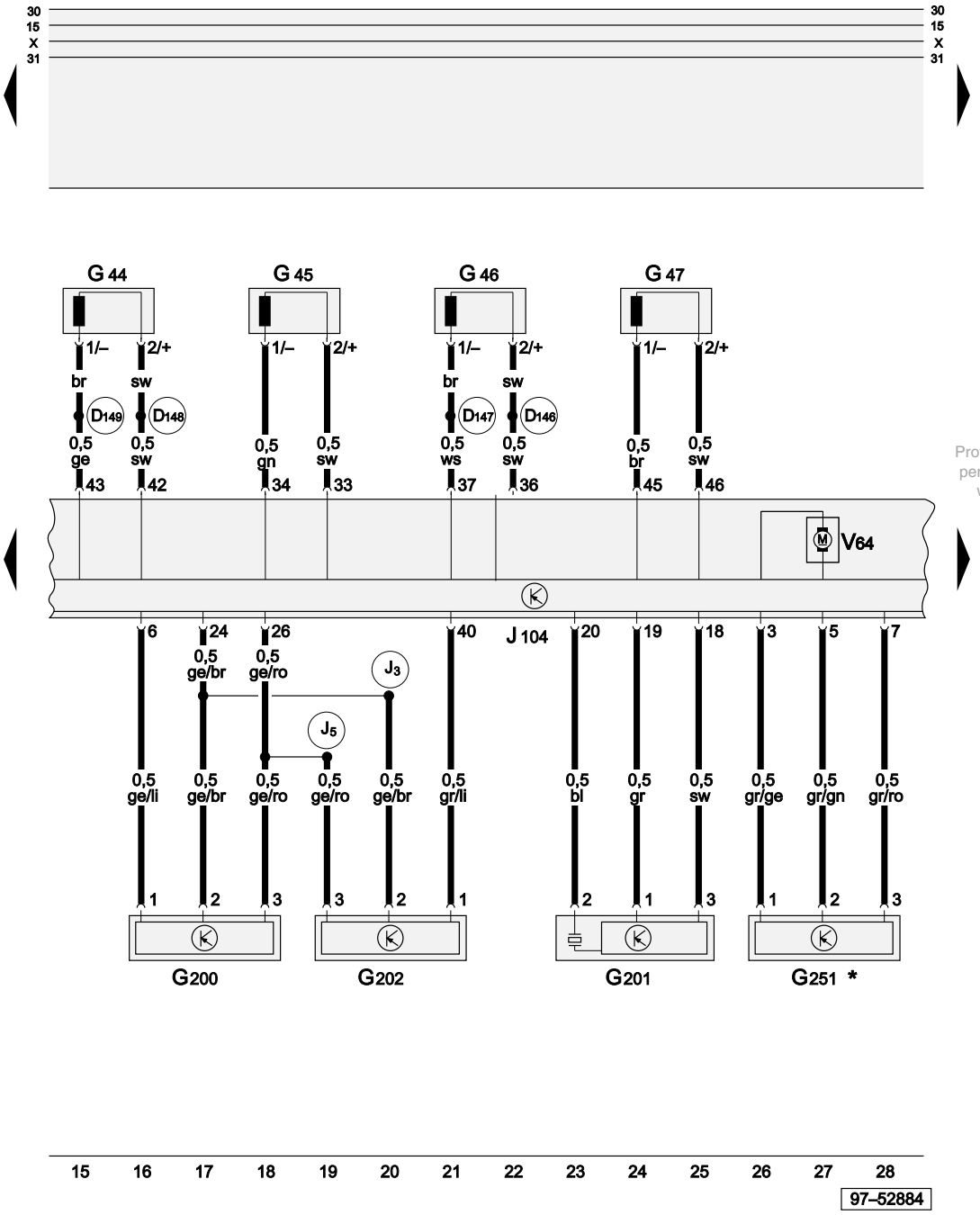


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ro = red
br = brown
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, brake light switch

A	Battery
B	Starter
D	Ignition/starter switch
F	Brake light switch
J104	ABS with EDL control unit
S9	Fuses in fuse box/relay plate
S13	Fuses in fuse box/relay plate
S15	Fuses in fuse box/relay plate
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
T3e	3-pin connector, black, on main fuse box
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left
A2	Positive (+) connection (15), in dash panel wiring harness
A36	Connection (75a), in dash panel wiring harness
A50	Positive (+) connection (30as), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness

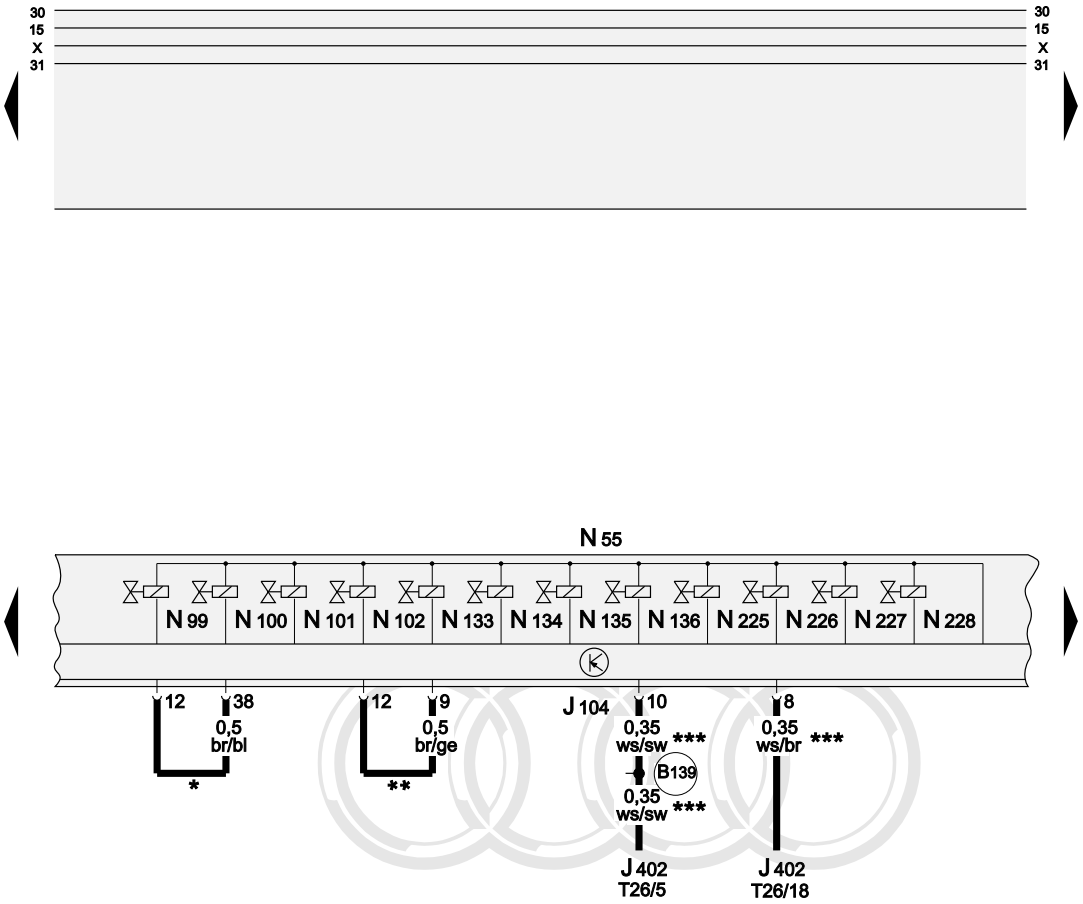


Speed sensors, lateral acceleration sender, brake pressure sender -1-, yaw rate sender, longitudinal acceleration sender, ABS hydraulic pump

G44	Rear right speed sensor
G45	Front right speed sensor
G46	Rear left speed sensor
G47	Front left speed sensor
G200	Lateral acceleration sender
G201	Brake pressure sender -1-
G202	Yaw rate sender
G251	Longitudinal acceleration sender
J104	ABS with EDL control unit
V64	ABS hydraulic pump
D146	Connection (rear left speed sensor +), in engine compartment wiring harness
D147	Connection (rear left speed sensor -), in engine compartment wiring harness
D148	Connection (rear right speed sensor +), in engine compartment wiring harness
D149	Connection (rear right speed sensor -), in engine compartment wiring harness
J3	Connection -1-, in ABS wiring harness
J5	Connection -2-, in ABS wiring harness
*	Applies to models with quattro four-wheel drive 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

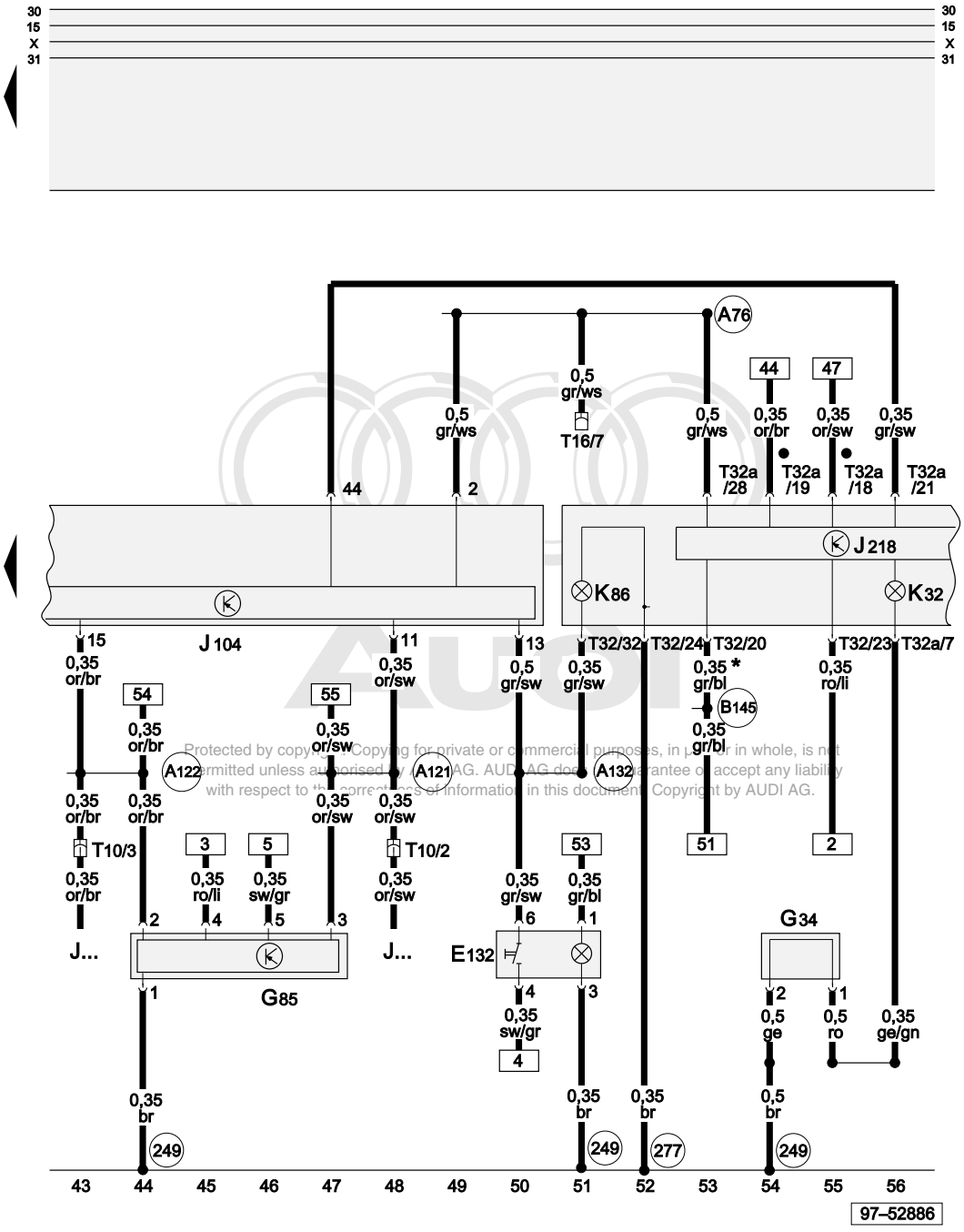


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ABS hydraulic unit, switch valves

J104	ABS with EDL control unit
J402	Operating electronics control unit, navigation
N55	ABS hydraulic unit
N99	ABS inlet valve, front right
N100	ABS outlet valve, front right
N101	ABS inlet valve, front left
N102	ABS outlet valve, front left
N133	ABS inlet valve, rear right
N134	ABS inlet valve, rear left
N135	ABS outlet valve, rear right
N136	ABS outlet valve, rear left
N225	Electronic stability program switch valve -1-
N226	Electronic stability program switch valve -2-
N227	Electronic stability program high pressure valve -1-
N228	Electronic stability program high pressure valve -2-
T26	26-pin connector, black, on radio
30	Earth point -1-, next to relay plate
249	Earth connection -2-, in interior wiring harness
277	Earth connection -3-, in interior wiring harness
B139	Connection (PL (parking light, left)), in interior wiring harness
*	Only models with front-wheel drive
**	Only models with quattro four-wheel drive
***	Only models with navigation system

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sw	=	black
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rs	=	pink



Steering angle sender, traction control system switch, warning lamps, dash panel insert

E132	Traction control system switch
G34	Brake lining/pad wear sender, front left
G85	Steering angle sender
J...	Control units
J104	ABS with EDL control unit
J218	Combi-processor in dash panel insert
K32	Brake pad/lining warning lamp
K86	Traction control system warning lamp
T10	10-pin connector, white, engine compartment, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
249	Earth connection -2-, in interior wiring harness
277	Earth connection -3-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
A132	Connection (TCS/ESP), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Output for illumination
•	CAN bus (data bus)

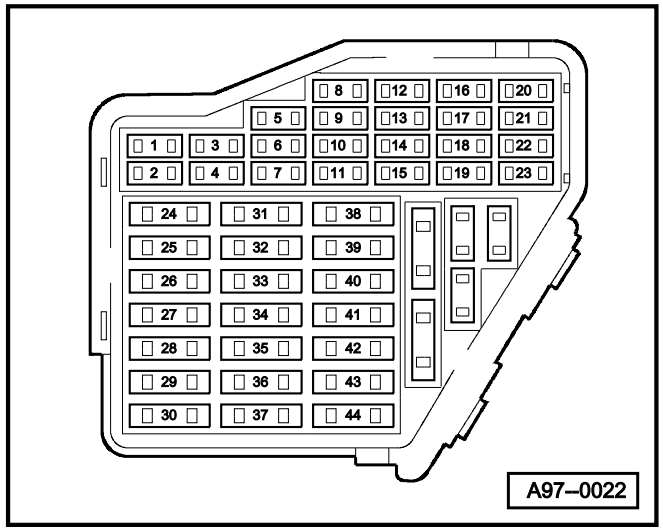
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sw	=	black
ro	=	red
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Telematics (telephone with emergency call function)

From model year 2001

Fuse box

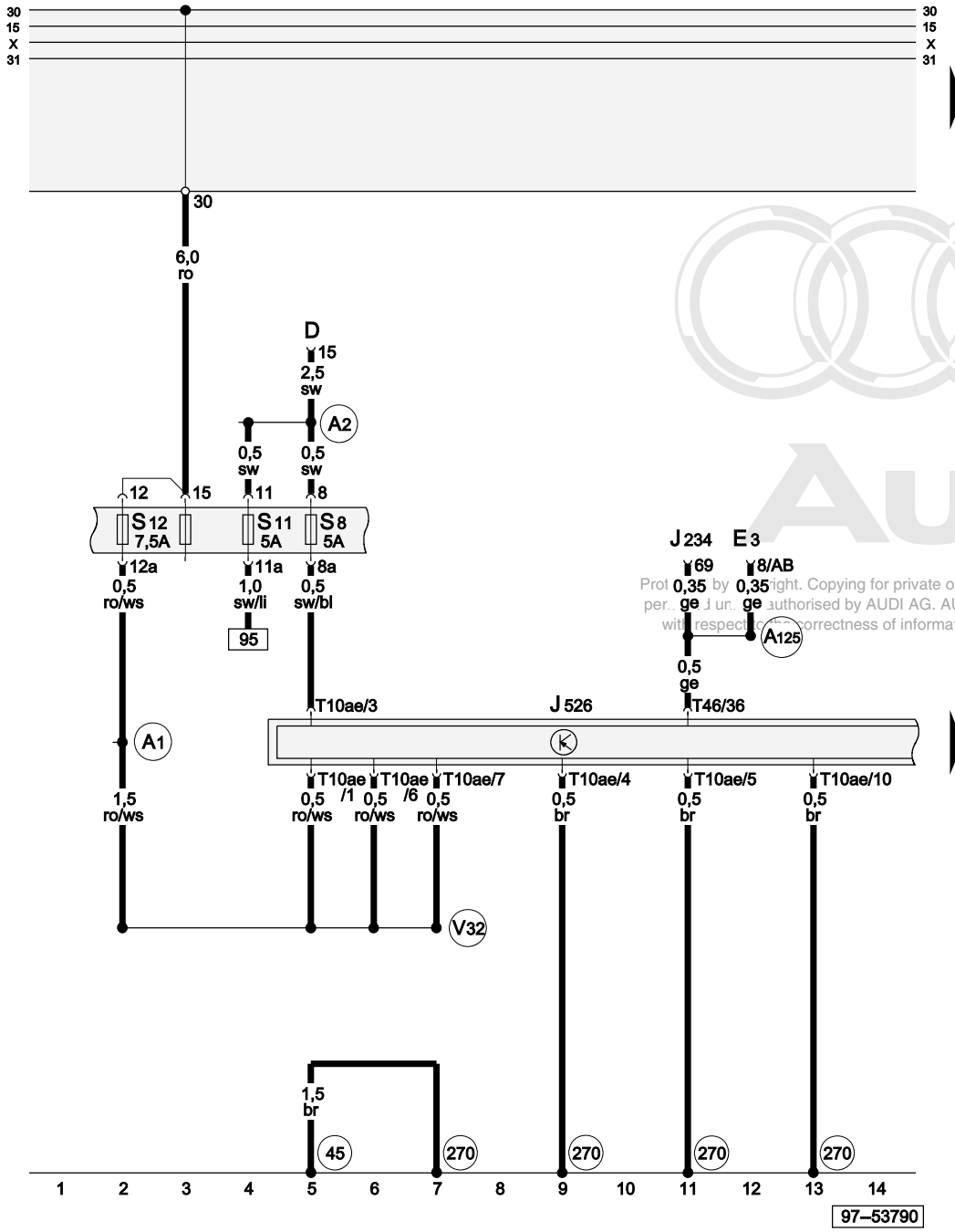


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours:

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

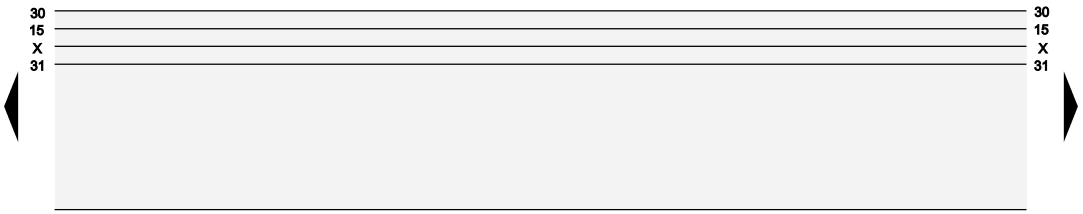


Voltage supply, telephone/telematics control unit

D	Ignition/starter switch
E3	Hazard warning light switch
J234	Airbag control unit
J526	Telephone/telematics control unit
S8	Fuse in fuse box/relay plate
S11	Fuse in fuse box/relay plate
S12	Fuse in fuse box/relay plate
T10ae	10-pin connector, on telephone/telematics control unit
T46	46-pin connector, on telephone/telematics control unit
45	Earth point, behind dash panel - centre
270	Earth connection, in telephone wiring harness
A1	Positive (+) connection (30a), in dash panel wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
V32	Positive (+) connection (30), in telephone wiring harness

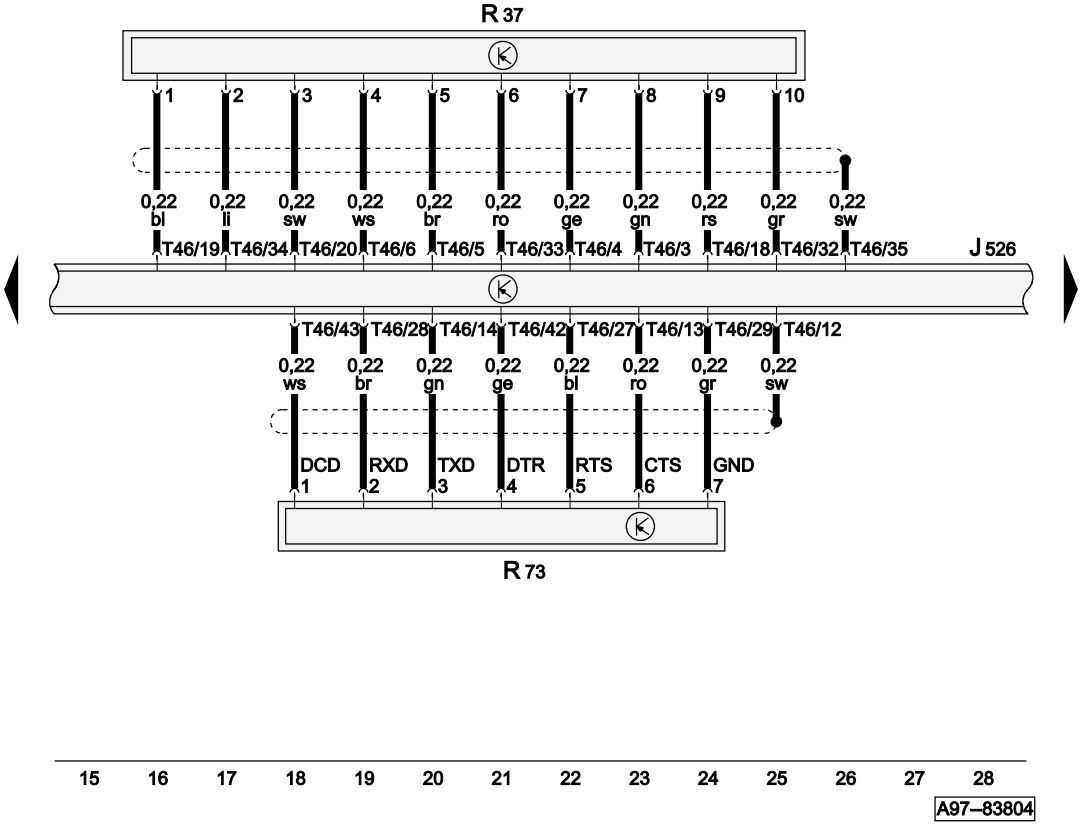
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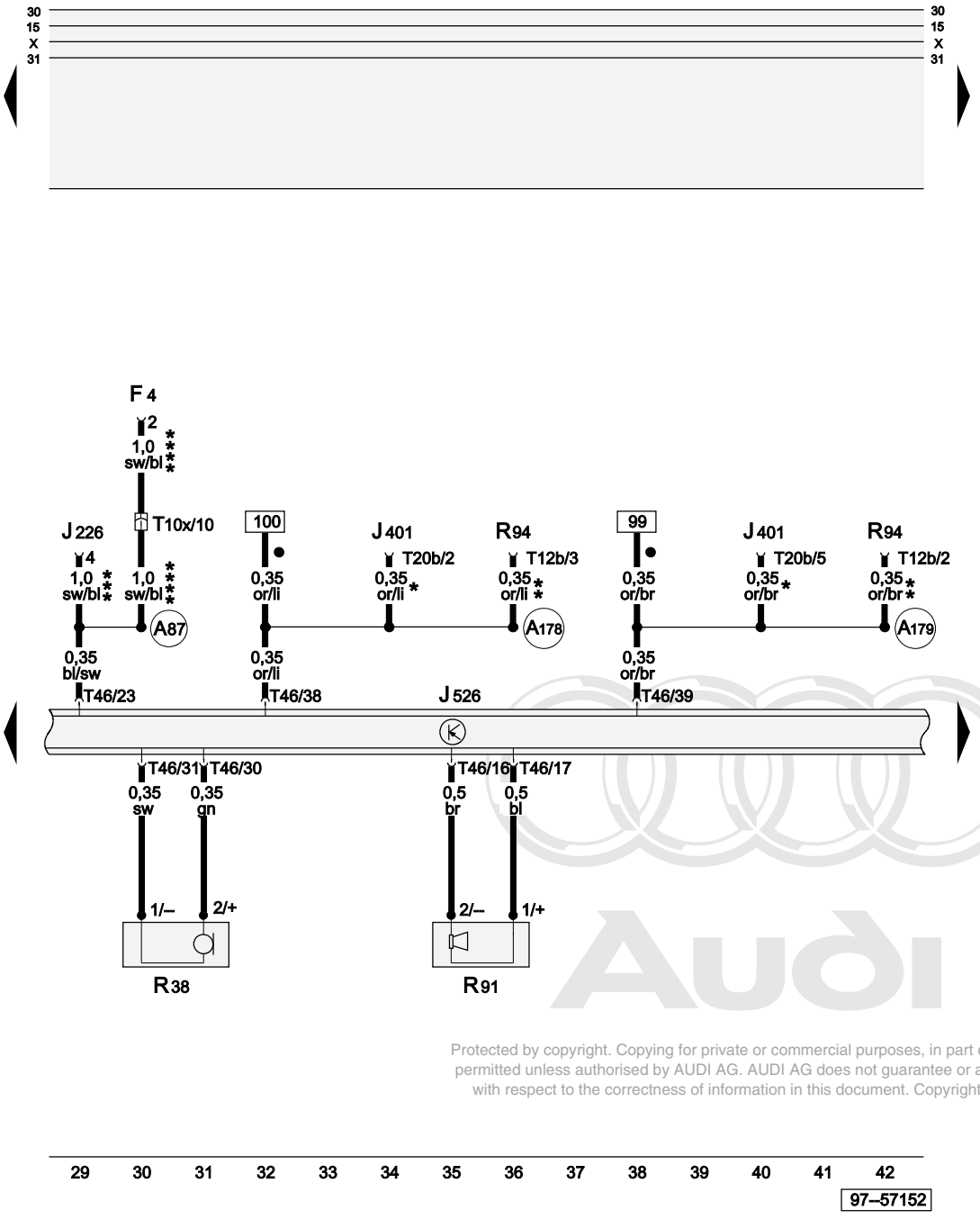
Telephone/telematics control unit, telephone handset, fax unit

J526 Telephone/telematics control unit
R37 Telephone handset
R73 Fax unit
T46 46-pin connector, on telephone/telematics control unit



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

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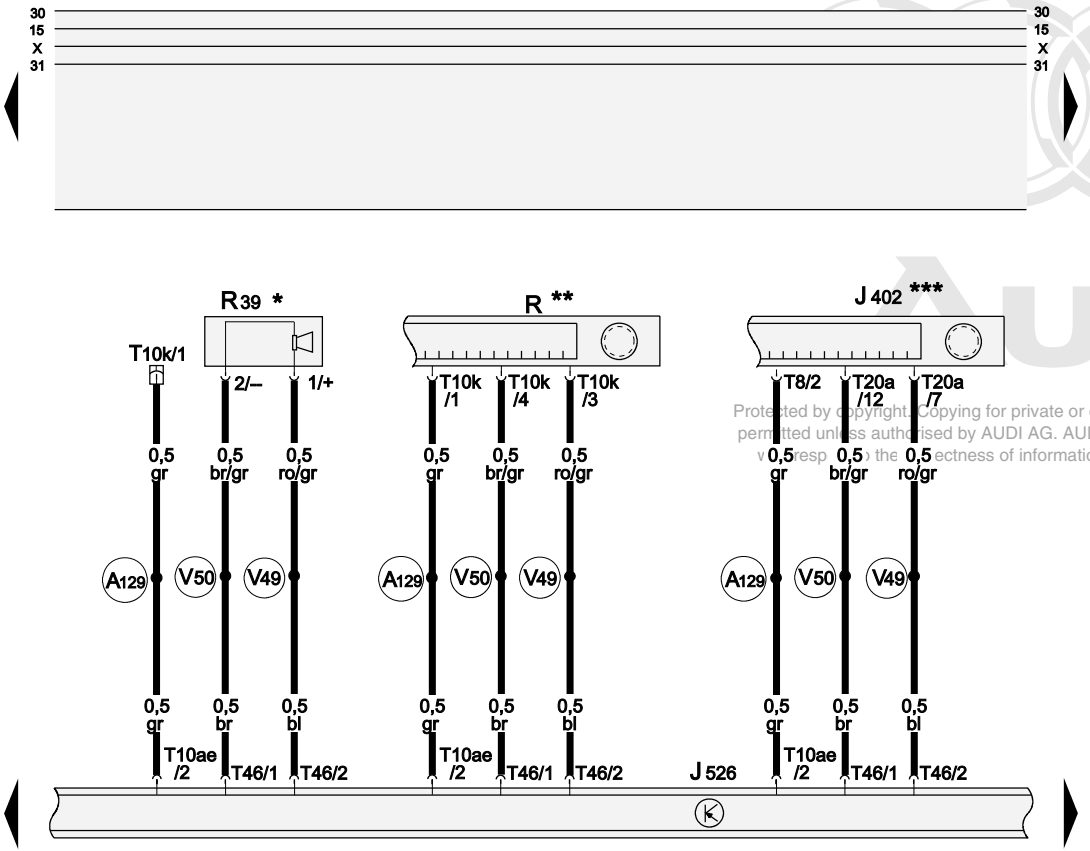


Telephone/telematics control unit, telephone microphone, additional loudspeaker for telematics

F4	Reversing light switch
J226	Starter inhibitor and reversing light relay
J401	Navigation system with CD drive control unit
J526	Telephone/telematics control unit
R38	Telephone microphone
R91	Additional loudspeaker for telematics
R94	Navigation interface
T10x	10-pin connector, orange, in plenum chamber
T12b	12-pin connector, at navigation interface
T20b	20-pin connector, black, on navigation control unit
T46	46-pin connector, on telephone/telematics control unit
A87	Connection (RF (reversing light), in dash panel wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
*	Only models with navigation system 'NS Low'
**	Only models with navigation system (RNS-D)
***	Only models with automatic gearbox
****	Only models with manual gearbox
•	CAN bus (data bus)

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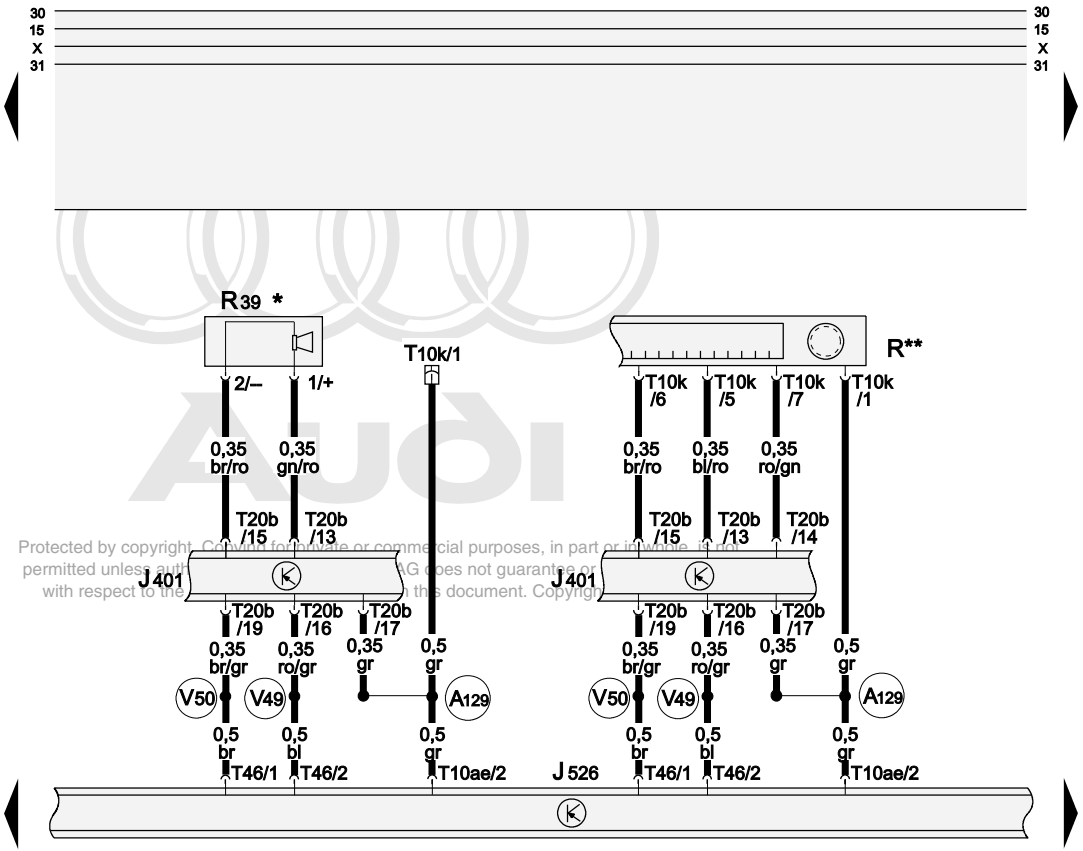


Telephone/telematics control unit, voice control system without radio, with radio or radio navigation system

J402	Operating electronics control unit, navigation
J526	Telephone/telematics control unit
R	Radio
R39	Telephone/navigation systems loudspeaker
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
T10ae	10-pin connector, on telephone/telematics control unit
T20a	20-pin connector, black, on radio
T46	46-pin connector, on telephone/telematics control unit
A129	Connection (muting), in dash panel wiring harness
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF -), in communication wiring harness
*	Voice control system without radio
**	Voice control system with radio
***	Voice control system with radio navigation system

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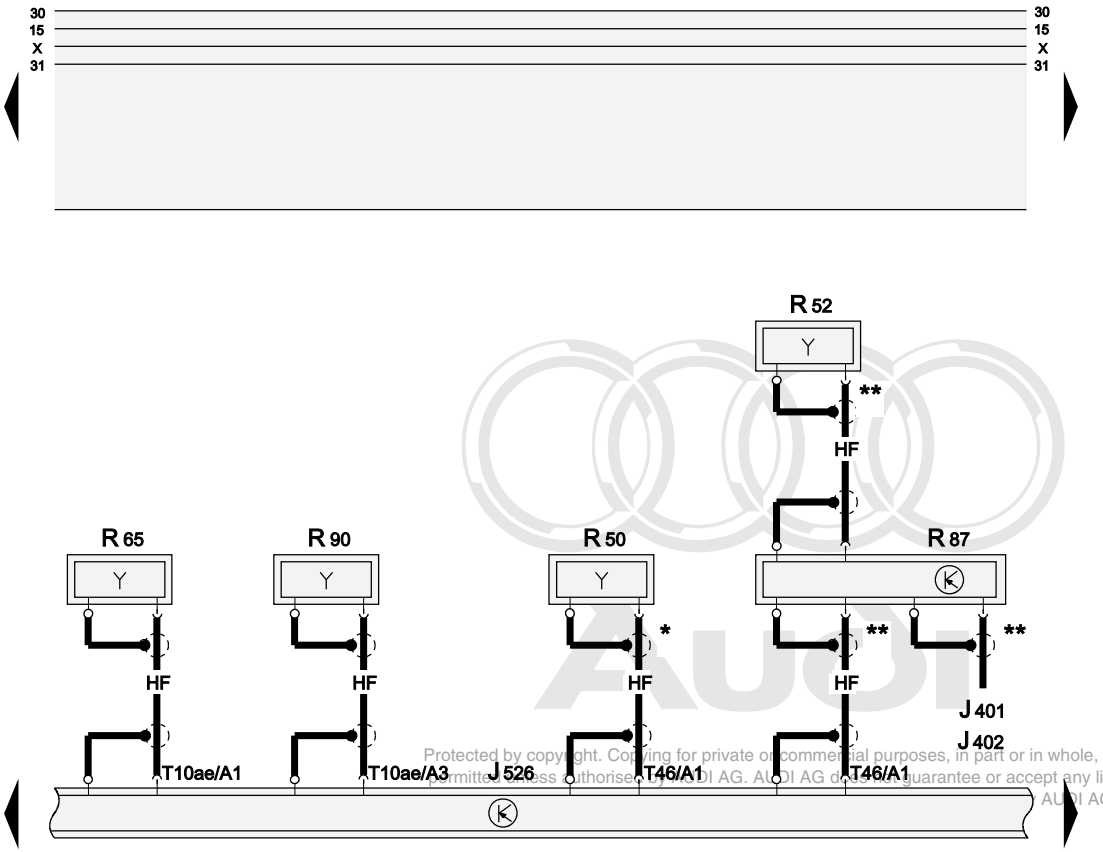


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Telephone/telematics control unit, voice control system with navigation system

J401	Navigation system with CD drive control unit
J526	Telephone/telematics control unit
R	Radio
R39	Telephone/navigation systems loudspeaker
T10k	10-pin connector, red, on radio
T10ae	10-pin connector, on telephone/telematics control unit
T20b	20-pin connector, black, on navigation control unit
T46	46-pin connector, on telephone/telematics control unit
A129	Connection (muting), in dash panel wiring harness
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF -), in communication wiring harness
*	Navigation system ('NS Low') with voice control system without radio, as of model year 2002 no longer fitted
**	Navigation system ('NS Low') with voice control system for radio

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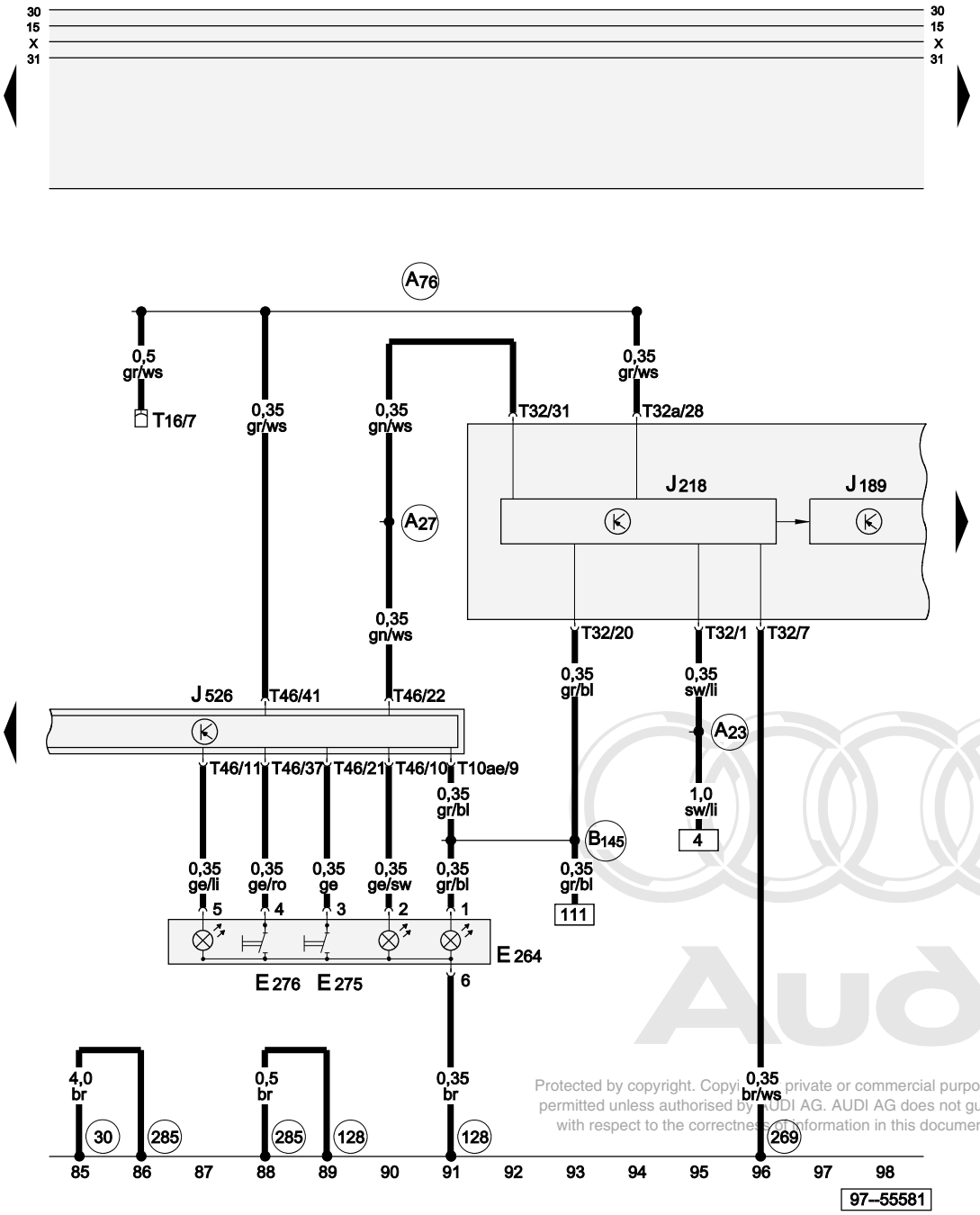


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Telephone/telematics control unit, aerials

J401	Navigation system with CD drive control unit
J402	Operating electronics control unit, navigation
J526	Telephone/telematics control unit
R50	Navigation aerial (GPS)
R52	Radio/telephone/navigation aerial (GPS)
R65	Telephone aerial
R87	Aerial filter
R90	Additional aerial for telematics
T10ae	10-pin connector, on telephone/telematics control unit
T46	46-pin connector, on telephone/telematics control unit
*	Models without navigation system
**	Only models with navigation system (NS Low) or (RNS-D)

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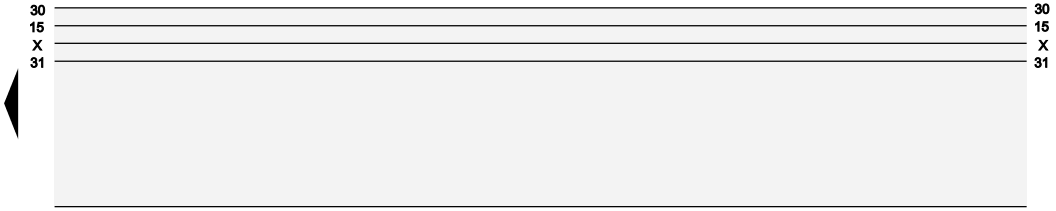


ws = white
sw = black
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br = brown
gn = green
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gr = grey
li = purple
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rs = pink

Auto-check system, telephone/telematics control unit, telematics operating unit, dash panel insert

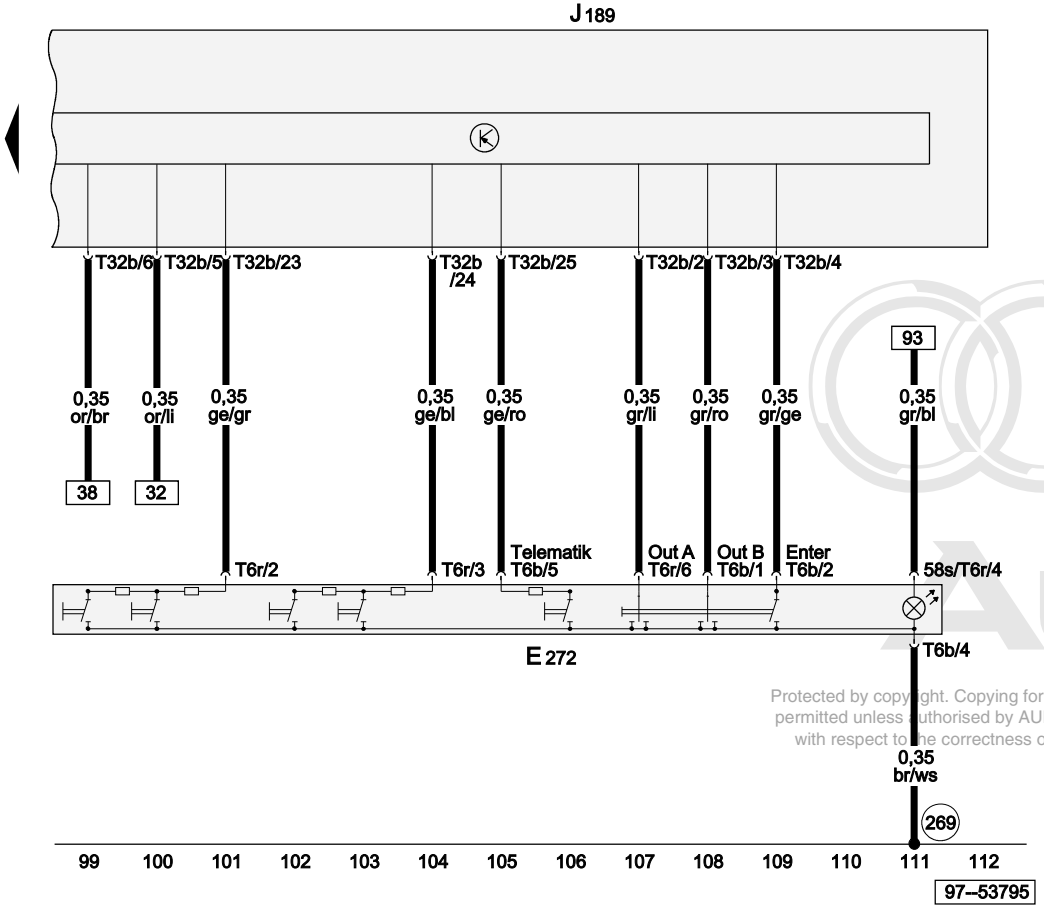
E264	Telematics operating unit
E275	Breakdown help button
E276	Emergency call button
J189	Auto-check system
J218	Combi-processor in dash panel insert
J526	Telephone/telematics control unit
T10ae	10-pin connector, on telephone/telematics control unit
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
T46	46-pin connector, on telephone/telematics control unit
30	Earth point -1-, next to relay plate
128	Earth connection -1-, in interior light wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
285	Earth connection -7-, in interior wiring harness
A23	Connection (30al), in dash panel wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness

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Auto-check system, function selection switch

E272	Function selection switch II
J189	Auto-check system
T6b	6-pin connector, brown, on function selection switch
T6r	6-pin connector, black, on function selection switch
T32b	32-pin connector, grey, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness



ws	=	white
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gn	=	green
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gr	=	grey
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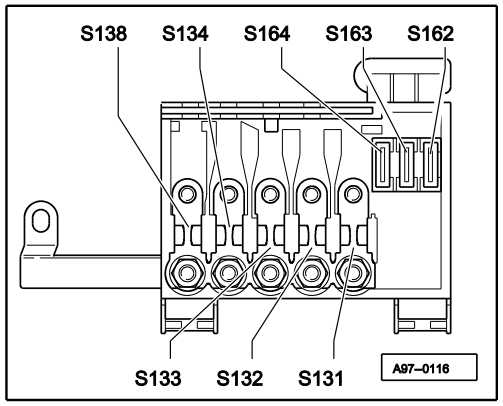
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1.9 litre turbo-diesel engine, 74 kW, TDI unit injector, 4-cylinder, engine code ATD

1.9 litre turbo-diesel engine, 96 kW, TDI unit injector, 4-cylinder, engine codes ASZ/ASZ (quattro)

From model year 2001

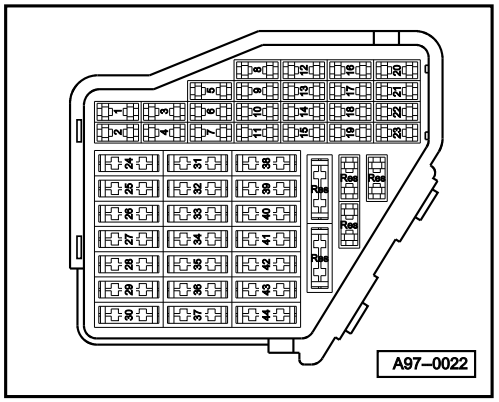
Main fuse box / battery (engine compartment)



Position of fuses:

S131 -Fuse 1
S132 -Fuse 2
S133 -Fuse 3
S134 -Fuse 4
S138 -Fuse 5
S162 -1 in fuse box/battery
S163 -2 in fuse box/battery
S164 -3 in fuse box/battery

Fuse box (dash panel)



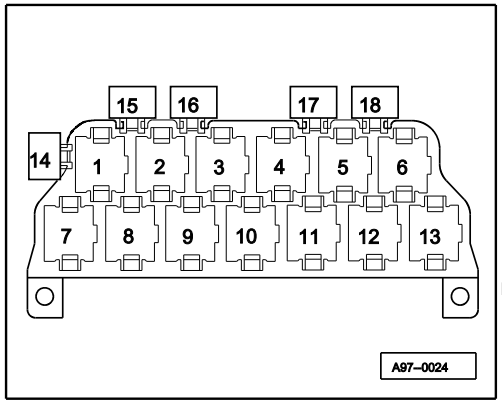
Fuse colours:

30 A -green
25 A -white
20 A -yellow
15 A -blue
10 A -red
7.5 A -brown
5 A -beige

From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

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13-point relay carrier
(under driver's storage compartment)



Position of relays:

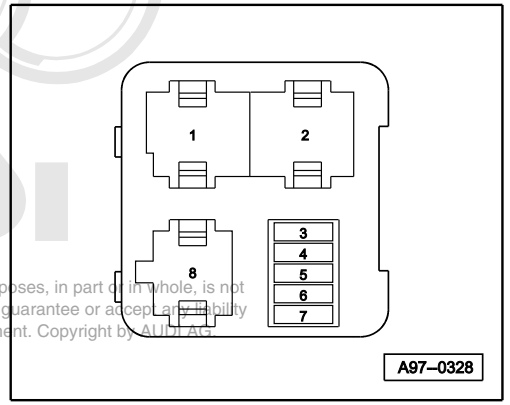
9 - Electric fuel pump relay (quattro)

10 - Electric fuel pump relay (front-wheel drive)

12 - Diesel direct injection system relay

13 - Radiator fan run-on relay

3-point relay carrier/fuse box
(engine compartment)

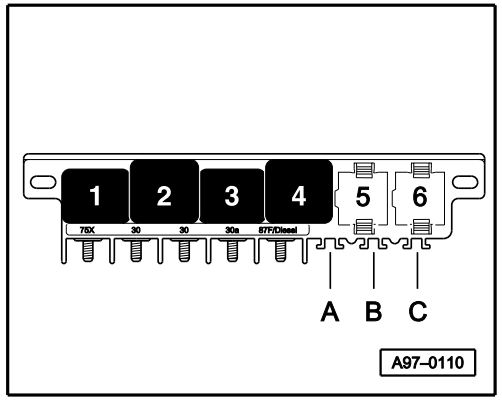


Position of relays:

1 - High heat output relay

2 - Low heat output relay

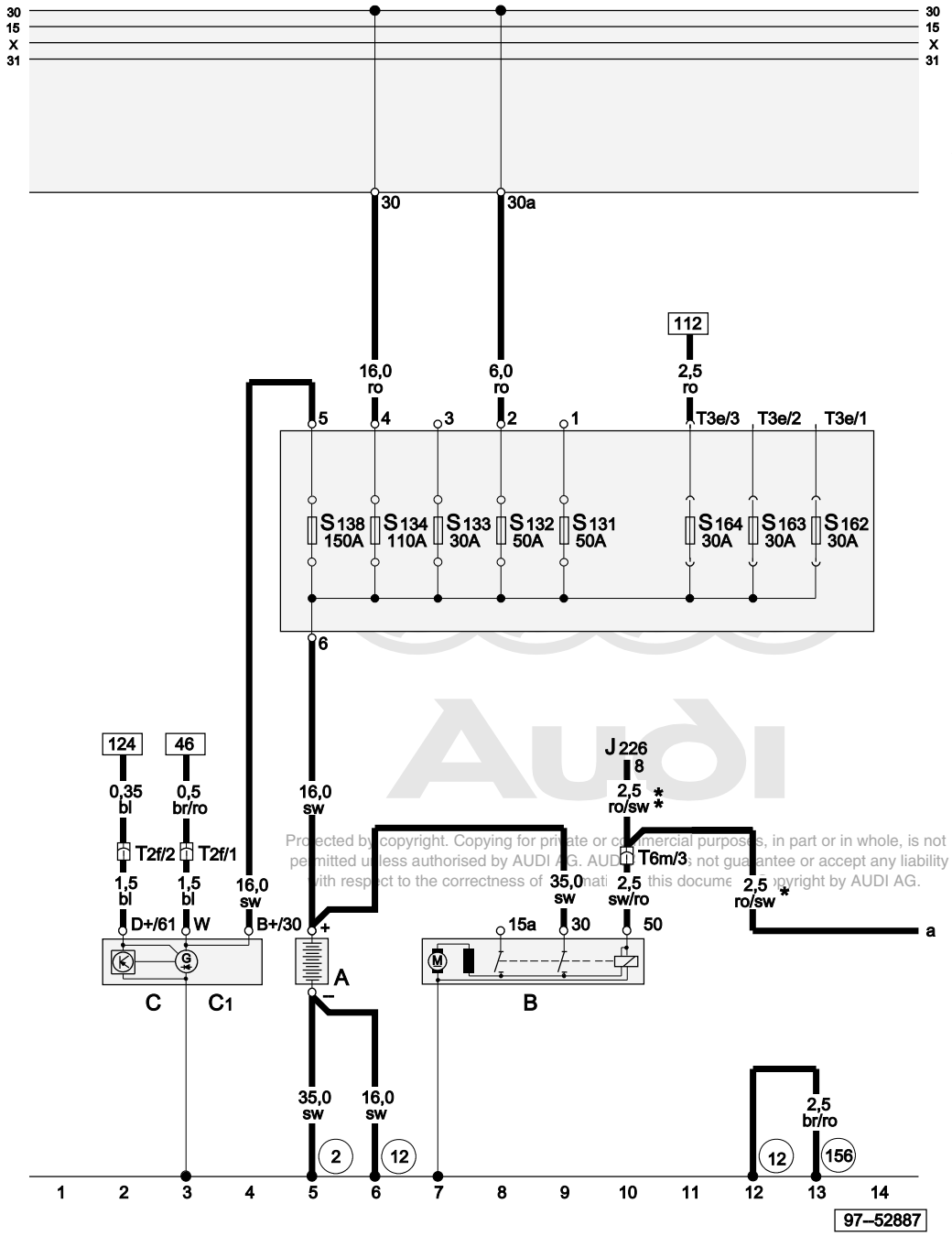
Micro-central electrics
(under driver's storage compartment)



Position of relays:

4 - Relay for glow plugs

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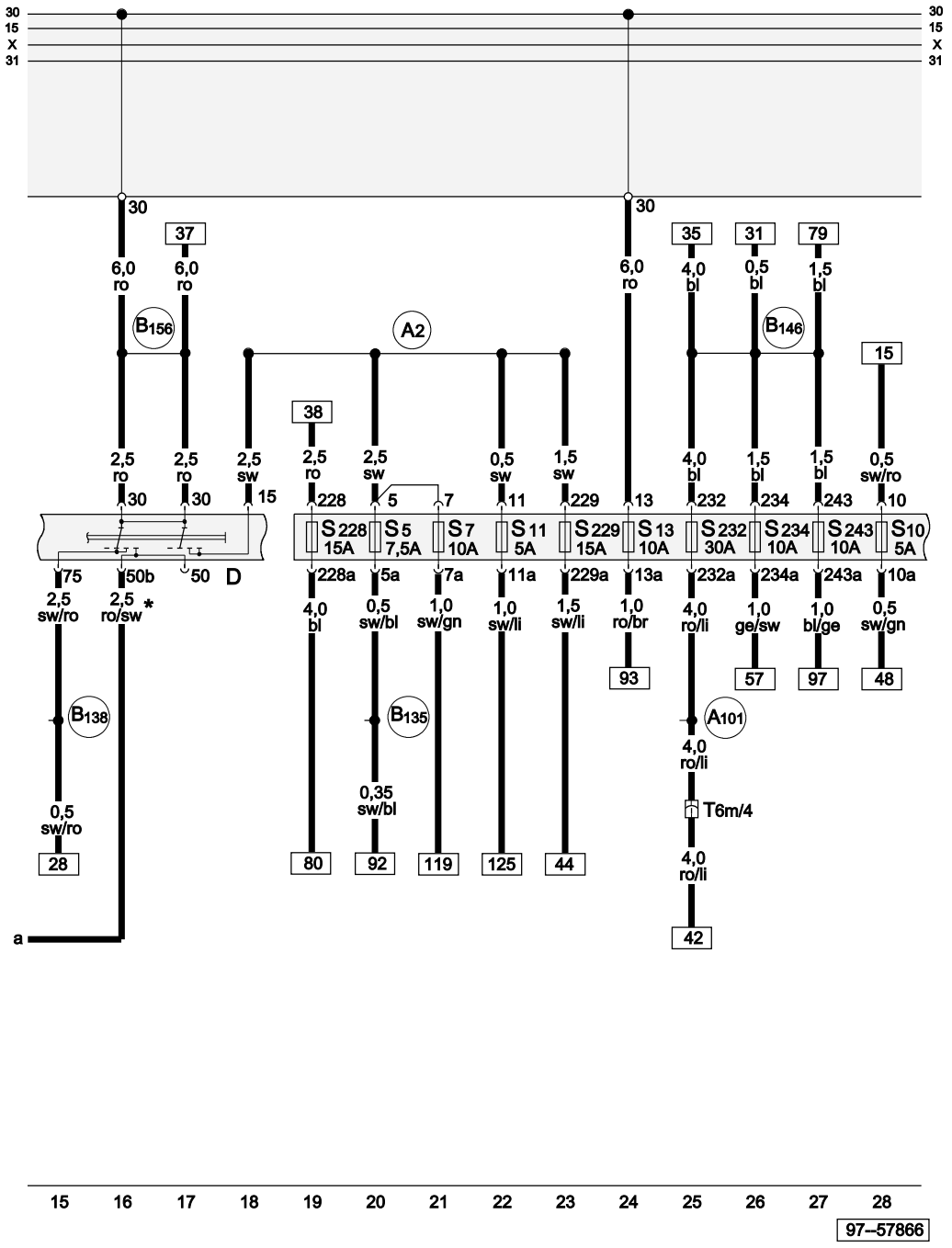


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Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J226	Starter inhibitor and reversing light relay
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
S138	Fuse 5
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T6m	6-pin connector, brown, engine compartment, in plenum chamber
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left
156	Earth connection, in diesel direct injection wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

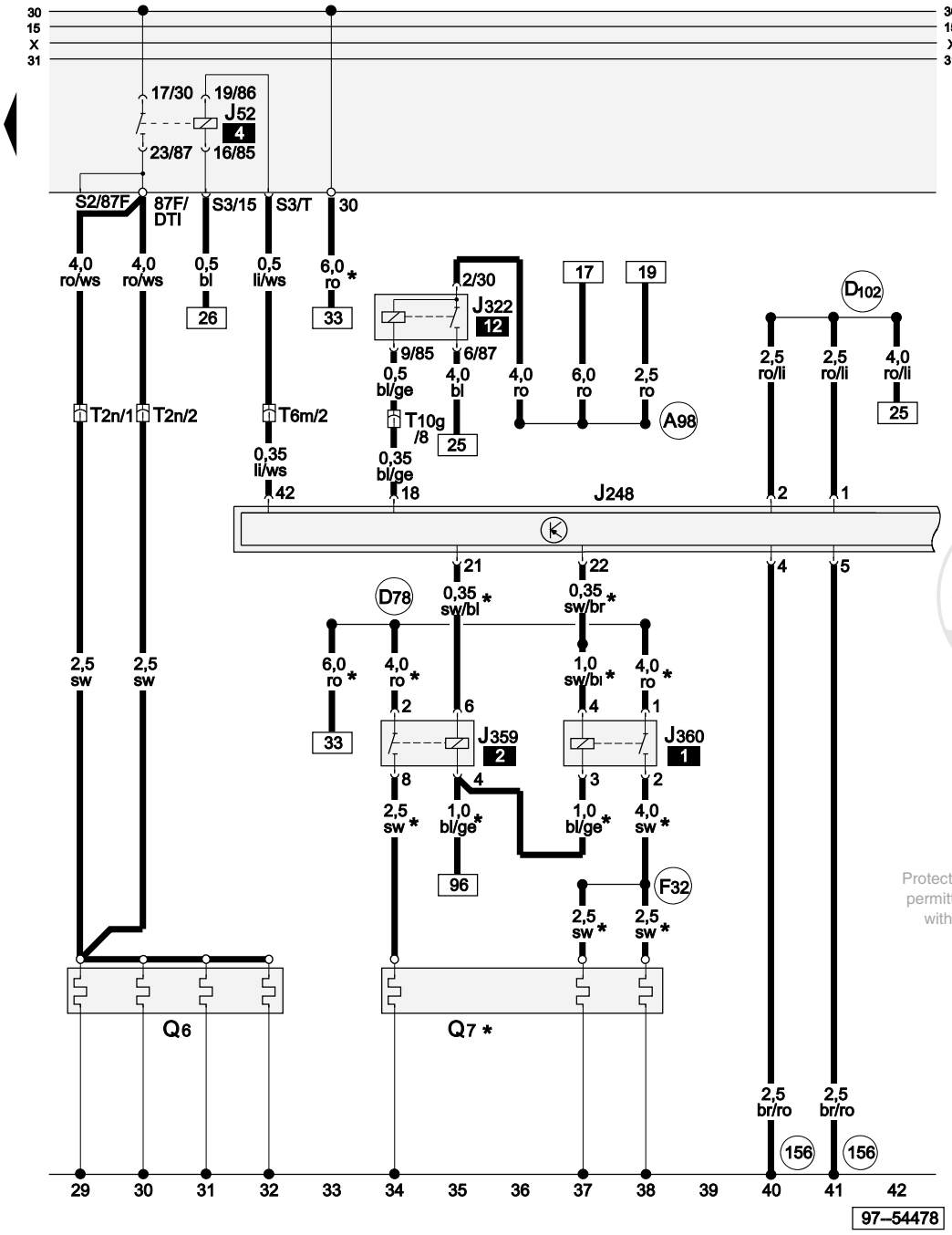


Fuse box, ignition/starter switch

D	Ignition/starter switch
S5	Fuse in fuse box/relay plate
S7	Fuse in fuse box/relay plate
S10	Fuse in fuse box/relay plate
S11	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S229	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
T6m	6-pin connector, brown, engine compartment, in plenum chamber
A2	Positive (+) connection (15), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
B138	Positive (+) connection (X), in interior wiring harness
B146	Positive (+) connection -1- (87), in interior wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
*	Only models with manual gearbox

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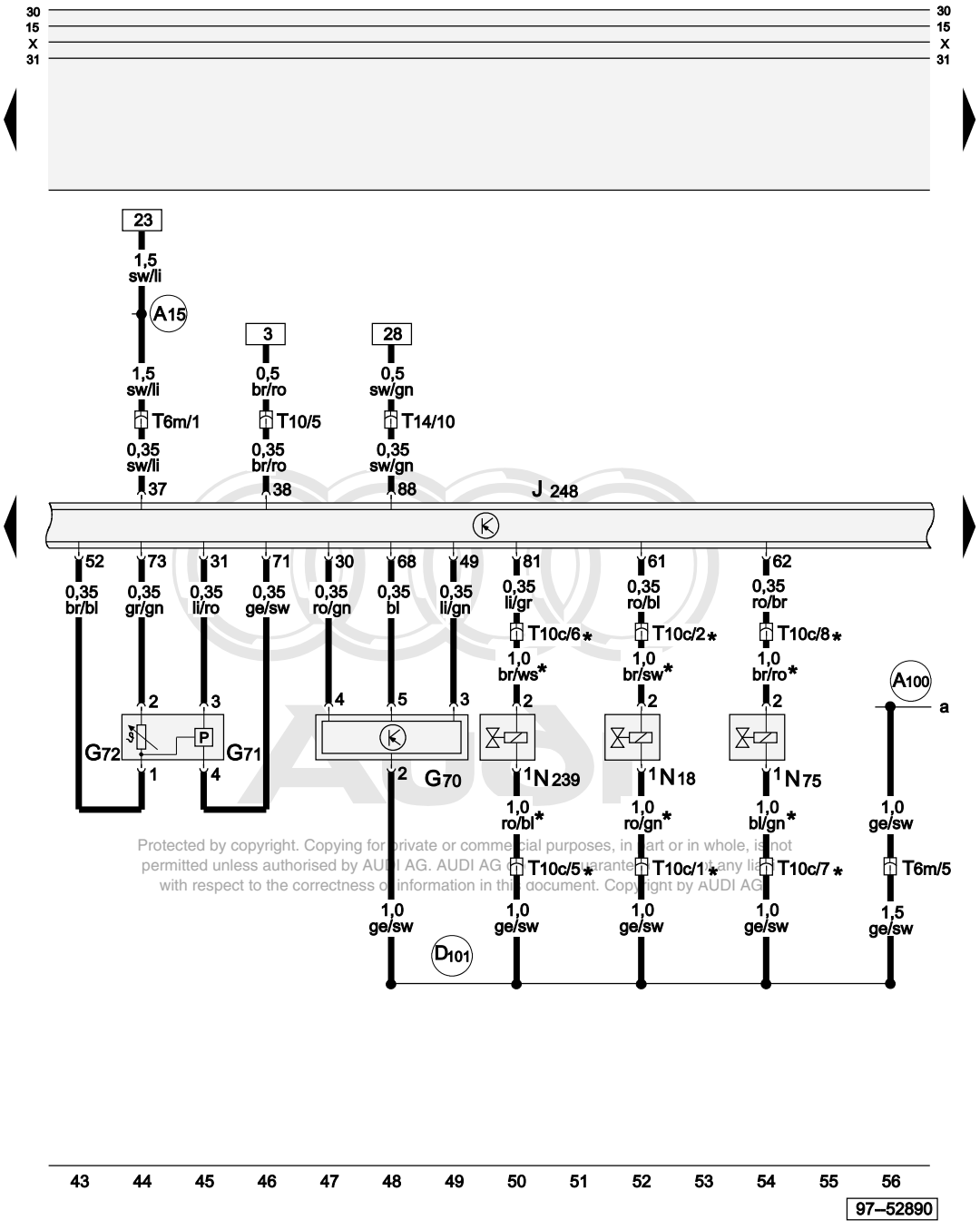


Relay and control unit for diesel direct injection system, glow plugs (engine), relay for glow plugs, coolant heater elements

J52	Glow plug relay
J248	Diesel direct injection system control unit
J322	Diesel direct injection system relay
J359	Low heat output relay
J360	High heat output relay
Q6	Glow plugs (engine)
Q7	Coolant heating elements
T2n	2-pin connector, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, engine compartment, in plenum chamber
T10g	10-pin connector, blue, engine compartment, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
D102	Connection -2-, in engine compartment wiring harness
F32	Connection (coolant heating elements), in diesel direct injection system wiring harness
*	Only models with heater elements (manual gearbox)

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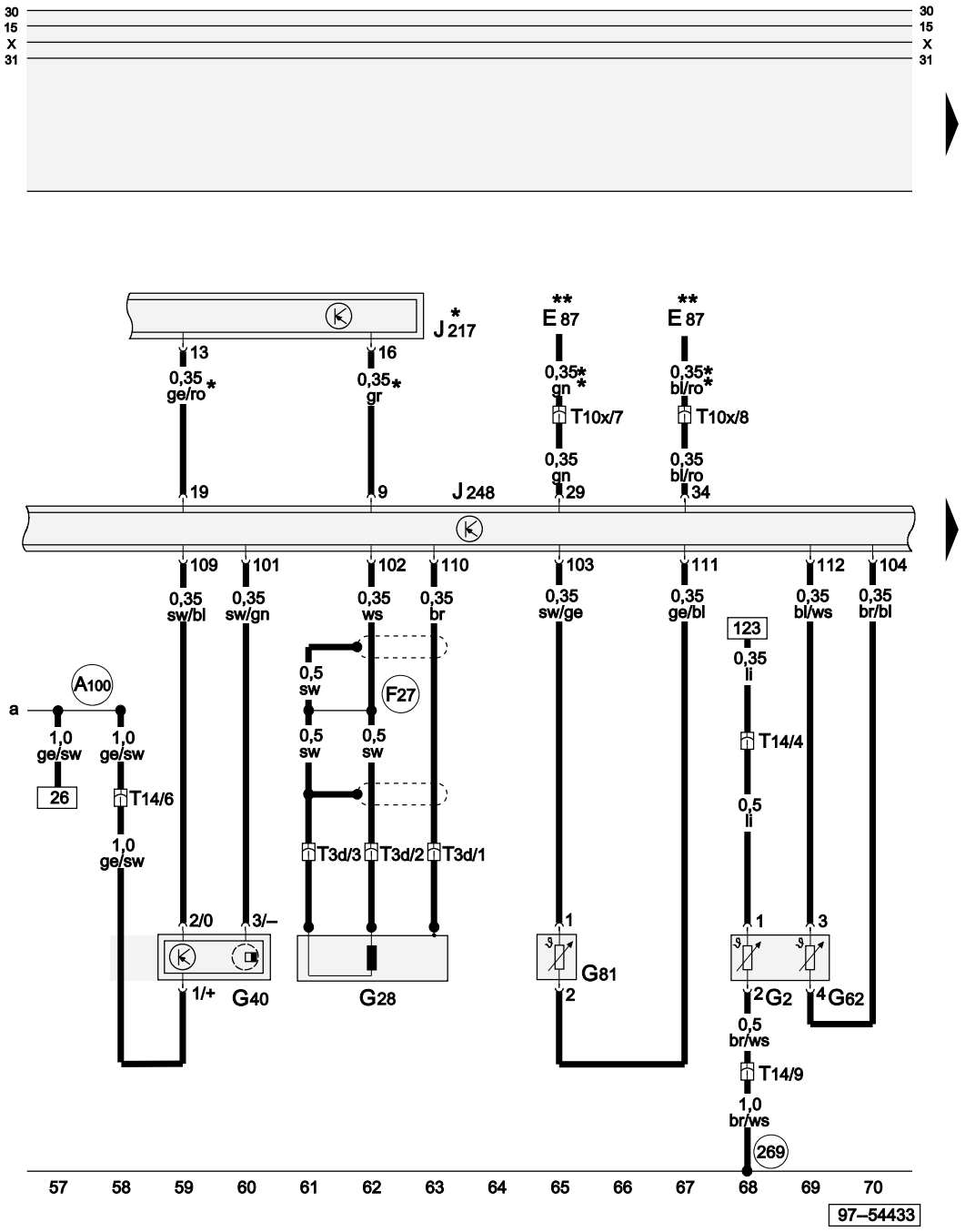


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Intake manifold pressure sender, intake manifold temperature sender, air mass meter, diesel direct injection system control unit, valves for exhaust gas recirculation and intake manifold flap, charge pressure control solenoid valve

G70	Air mass meter
G71	Intake manifold pressure sender
G72	Intake manifold temperature sender
J248	Diesel direct injection system control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Intake manifold flap change-over valve
T6m	6-pin connector, brown, engine compartment, in plenum chamber
T10	10-pin connector, white, engine compartment, in plenum chamber
T10c	10-pin connector, in engine compartment, right
T14	14-pin connector, in engine compartment, right
A15	Positive (+) connection (15), in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
D101	Connection -1-, in engine compartment wiring harness
*	Only applies to models with engine codes ASZ, ASZ (quattro)

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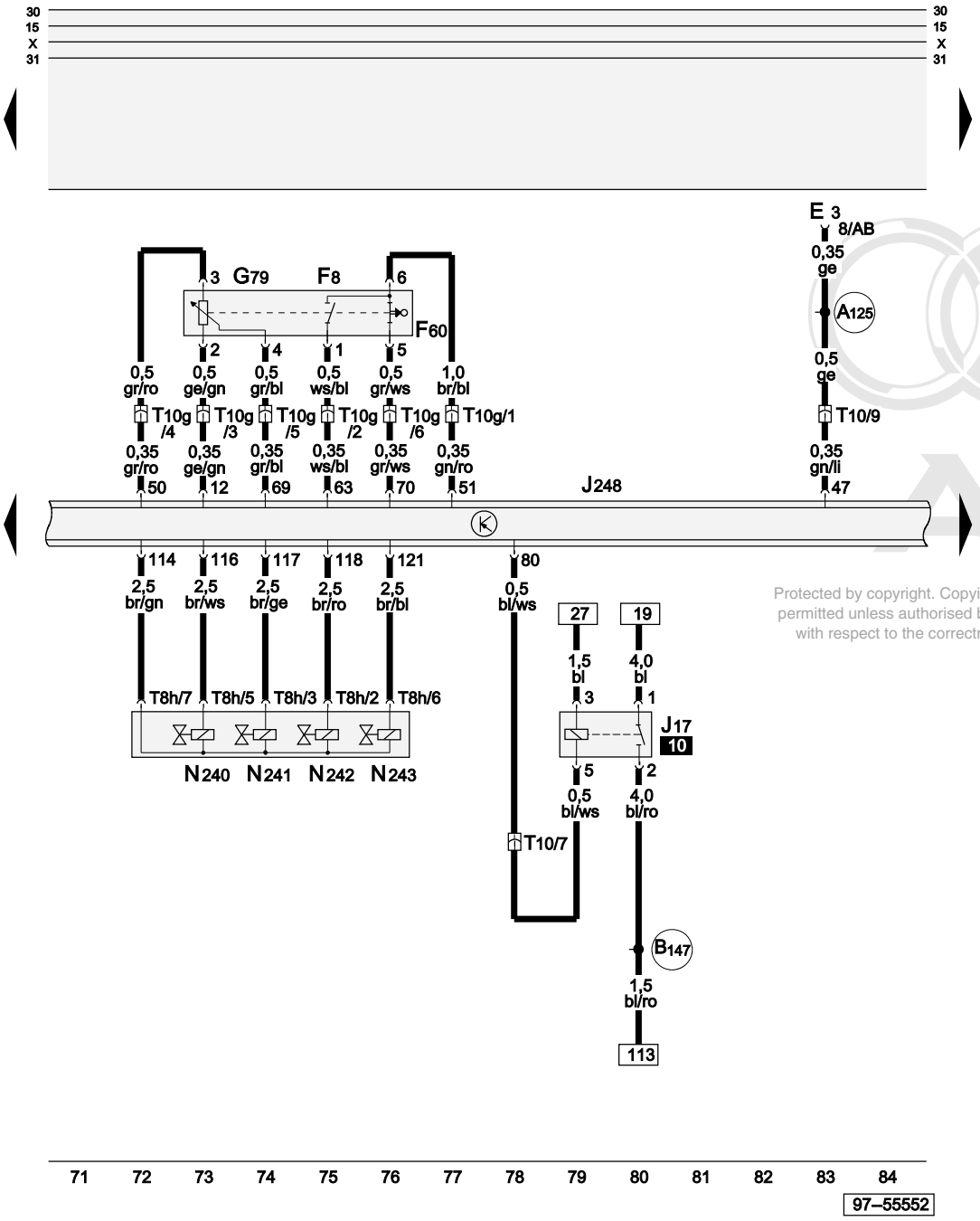


Coolant temperature senders, engine speed sender, fuel temperature sender, Hall sender, diesel direct injection system control unit

E87	Control and display unit for air conditioner/Climatronic
G2	Coolant temperature sender
G28	Engine speed sender
G40	Hall sender
G62	Coolant temperature sender
G81	Fuel temperature sender
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
T3d	3-pin connector, white, engine speed sender, in engine compartment
T10x	10-pin connector, orange, engine compartment, in plenum chamber
T14	14-pin connector, in engine compartment, right
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
F27	Connection (screening), in diesel direct injection wiring harness
*	Only models with automatic gearbox
**	Only models with air conditioner

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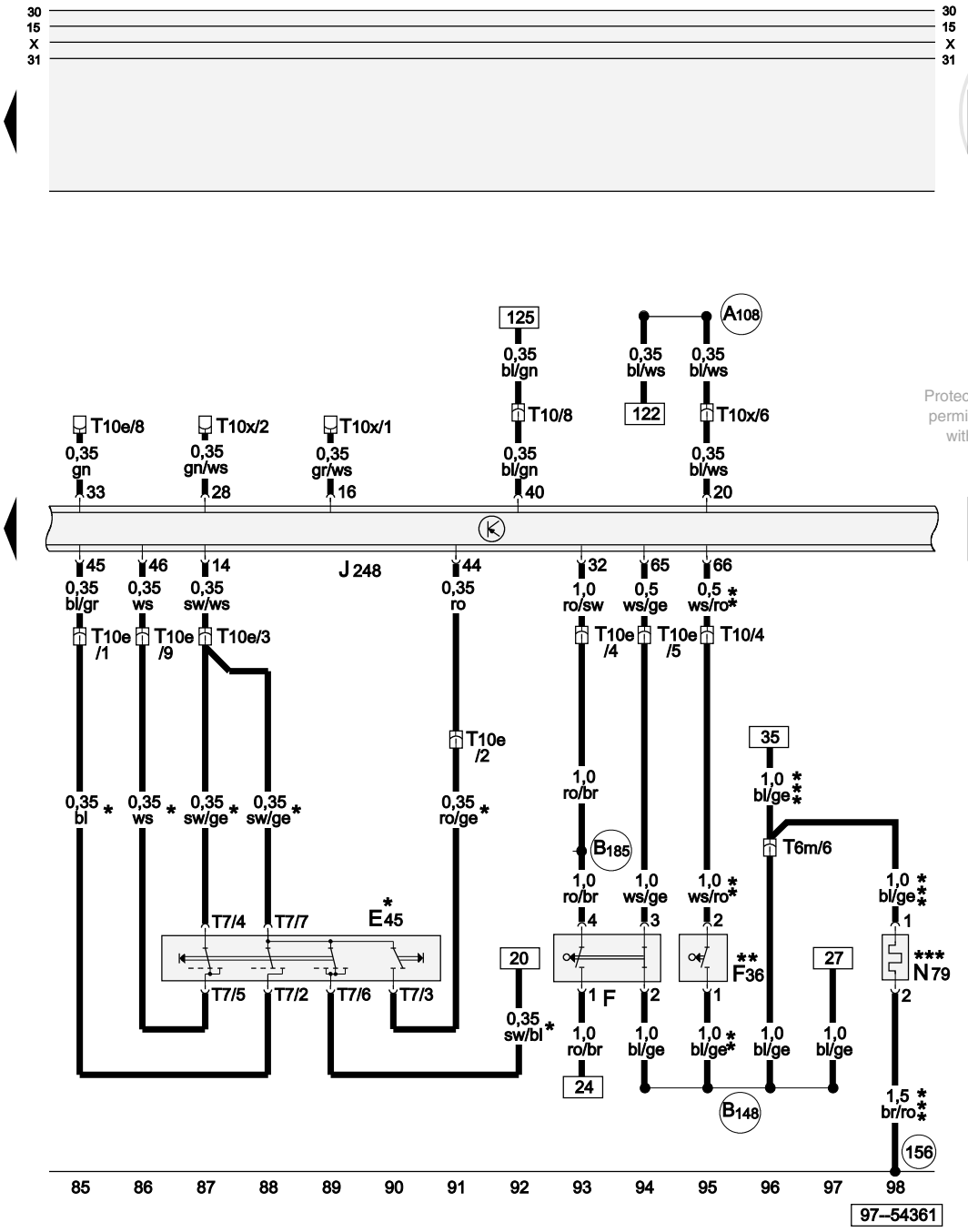


Kick-down switch, idling switch, accelerator pedal position sender, fuel pump relay, diesel direct injection system control unit, unit injector solenoid valves (cylinders No. 1 - 4)

E3	Hazard warning light switch
F8	Kick-down switch
F60	Idling switch
G79	Accelerator pedal position sender
J17	Fuel pump relay
J248	Diesel direct injection system control unit
N240	Unit injector solenoid valve, No. 1 cyl.
N241	Unit injector solenoid valve, No. 2 cyl.
N242	Unit injector solenoid valve, No. 3 cyl.
N243	Unit injector solenoid valve, No. 4 cyl.
T8h	8-pin connector, in engine compartment
T10	10-pin connector, white, engine compartment, in plenum chamber
T10g	10-pin connector, blue, engine compartment, in plenum chamber
A125	Connection (crash signal), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness

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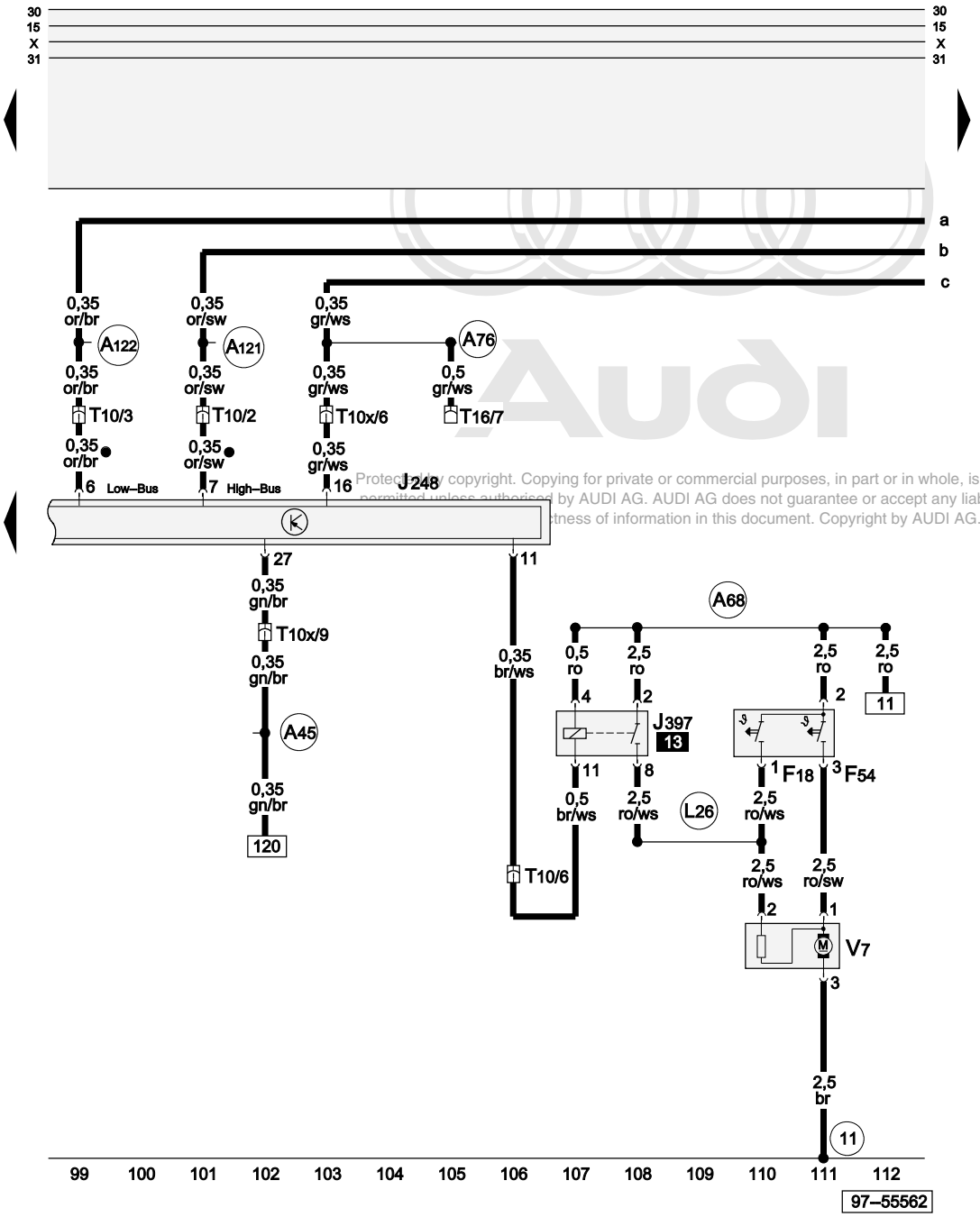


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Cruise control system switch, clutch pedal switch, cruise control system brake pedal switch (diesel direct injection system), diesel direct injection system control unit, heater element (crankcase breather)

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
J248	Diesel direct injection system control unit
N79	Heater element (crankcase breather)
T6m	6-pin connector, brown, engine compartment, in plenum chamber
T7	7-pin connector, cruise control system, behind steering column switch trim
T10	10-pin connector, white, engine compartment, in plenum chamber
T10e	10-pin connector, black, engine compartment, in plenum chamber
T10x	10-pin connector, orange, engine compartment, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B148	Positive (+) connection -3- (87), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox
***	Only models with heater elements (manual gearbox) and export versions (northern countries)

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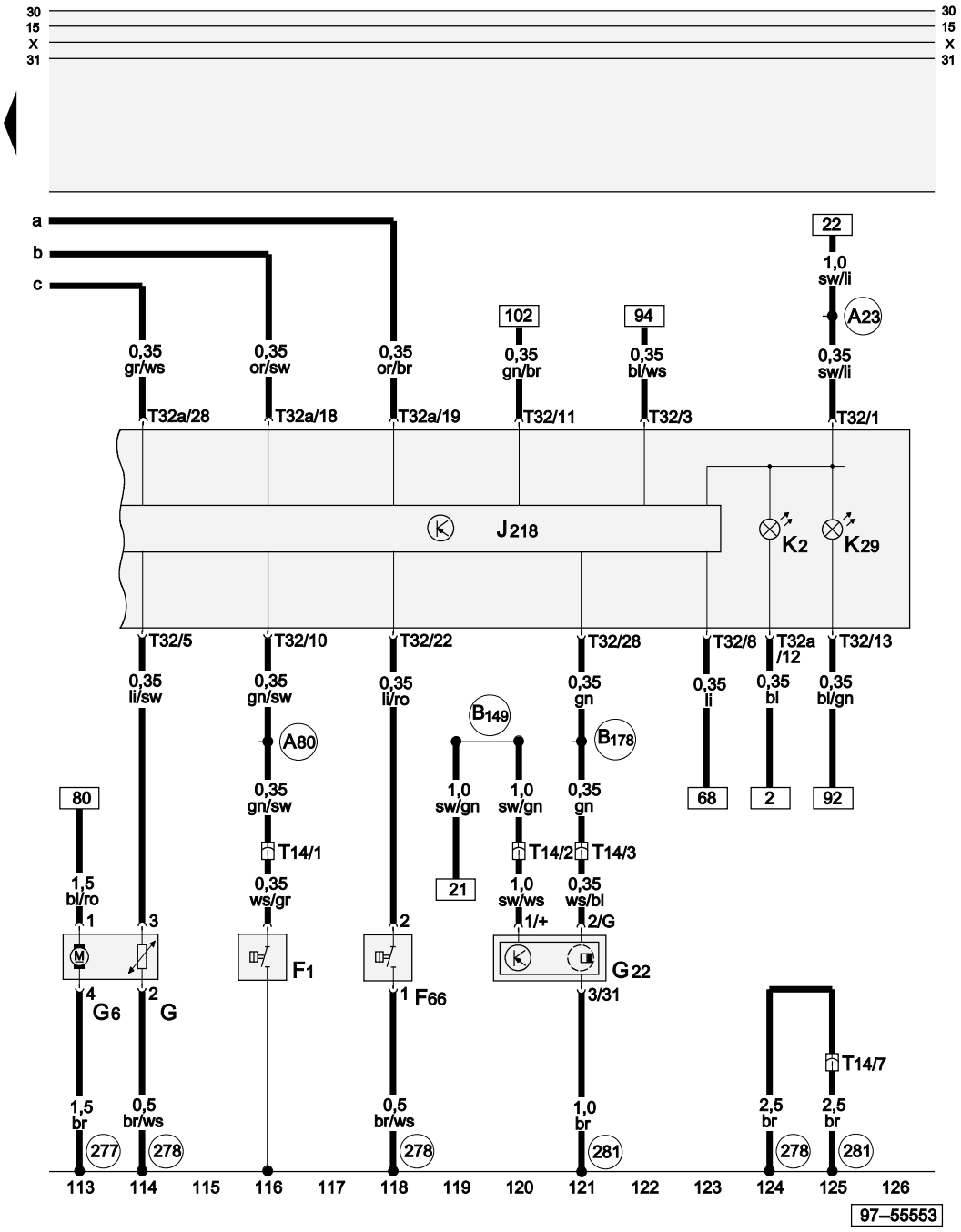


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Radiator fan thermo-switches, diesel direct injection system control unit, radiator fan run-on relay, radiator fan

F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J248	Diesel direct injection system control unit
J397	Radiator fan run-on relay
T10	10-pin connector, white, engine compartment, in plenum chamber
T10x	10-pin connector, orange, engine compartment, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnostic connector)
V7	Radiator fan
11	Earth point, in battery box
A45	Connection (engine speed signal), in dash panel wiring harness
A68	Connection (30, air conditioner), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
•	CAN bus (data wire)



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Combi-processor in dash panel insert, fuel pump

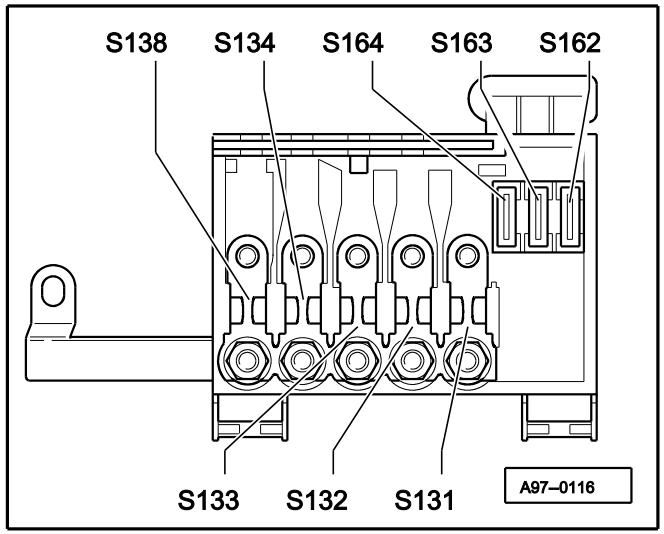
F1	Oil pressure switch
F66	Coolant shortage indicator switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K2	Alternator warning lamp
K29	Glow period warning lamp (00626)
T14	14-pin connector, in engine compartment, right
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
277	Earth connection -3-, in interior wiring harness
278	Earth connection -4-, in interior wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A23	Connection (30al), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
B178	Connection (speed signal), in interior wiring harness

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Air conditioner

From model year 2001

Main fuse box/battery

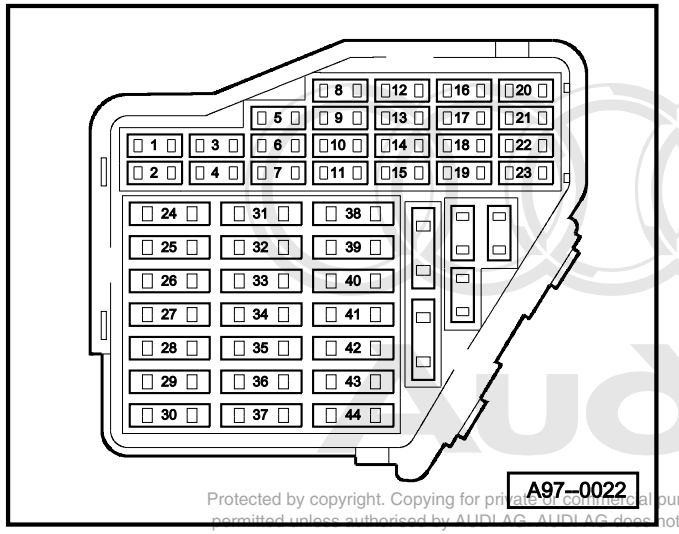


- On battery, in engine compartment, front left

Position of fuses
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - Fuse -1- (30), in fuse box/battery
S163 - Fuse -2- (30), in fuse box/battery
S164 - Fuse -3- (30), in fuse box/battery

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Fuse box



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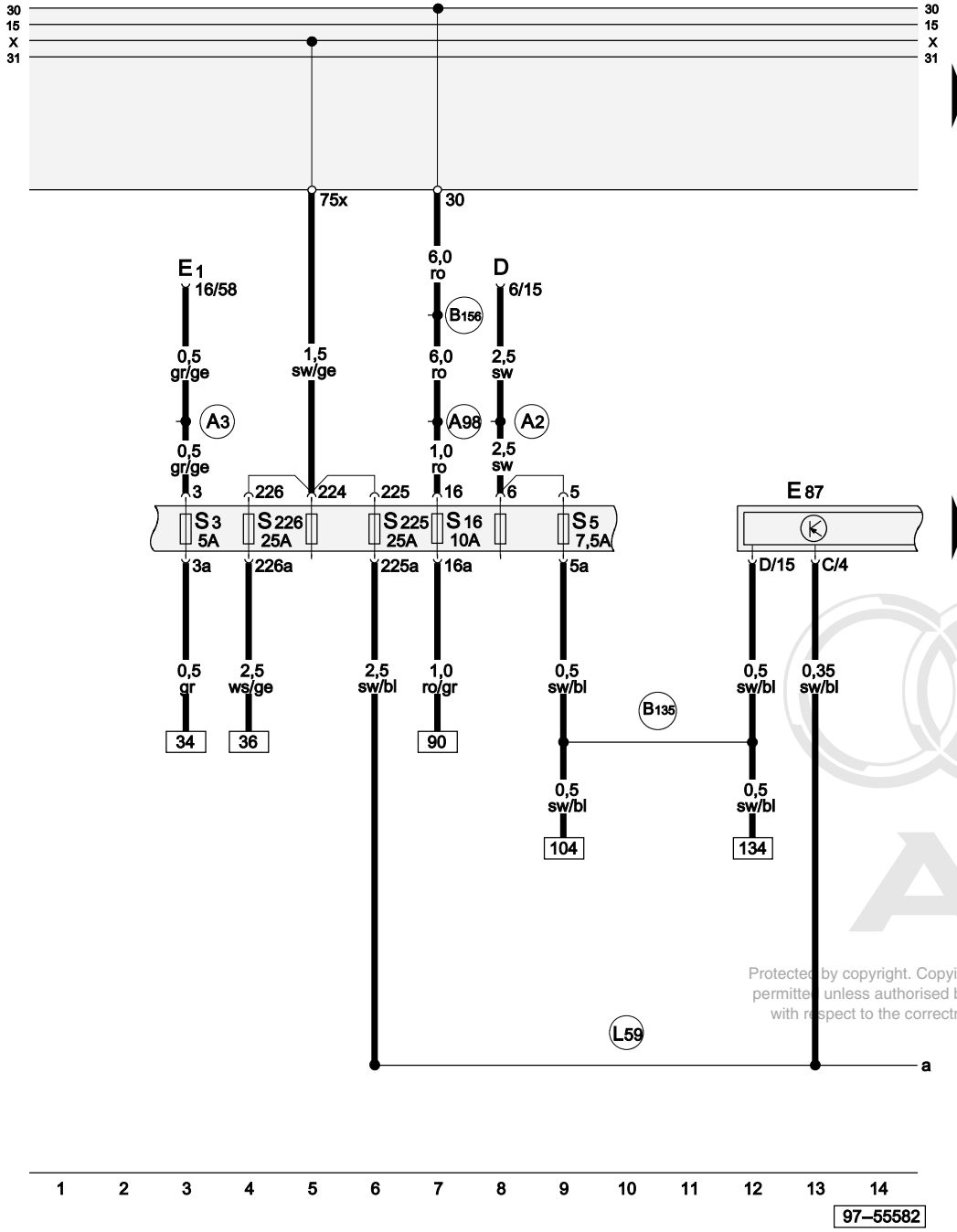
- Dash panel, driver's side

Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

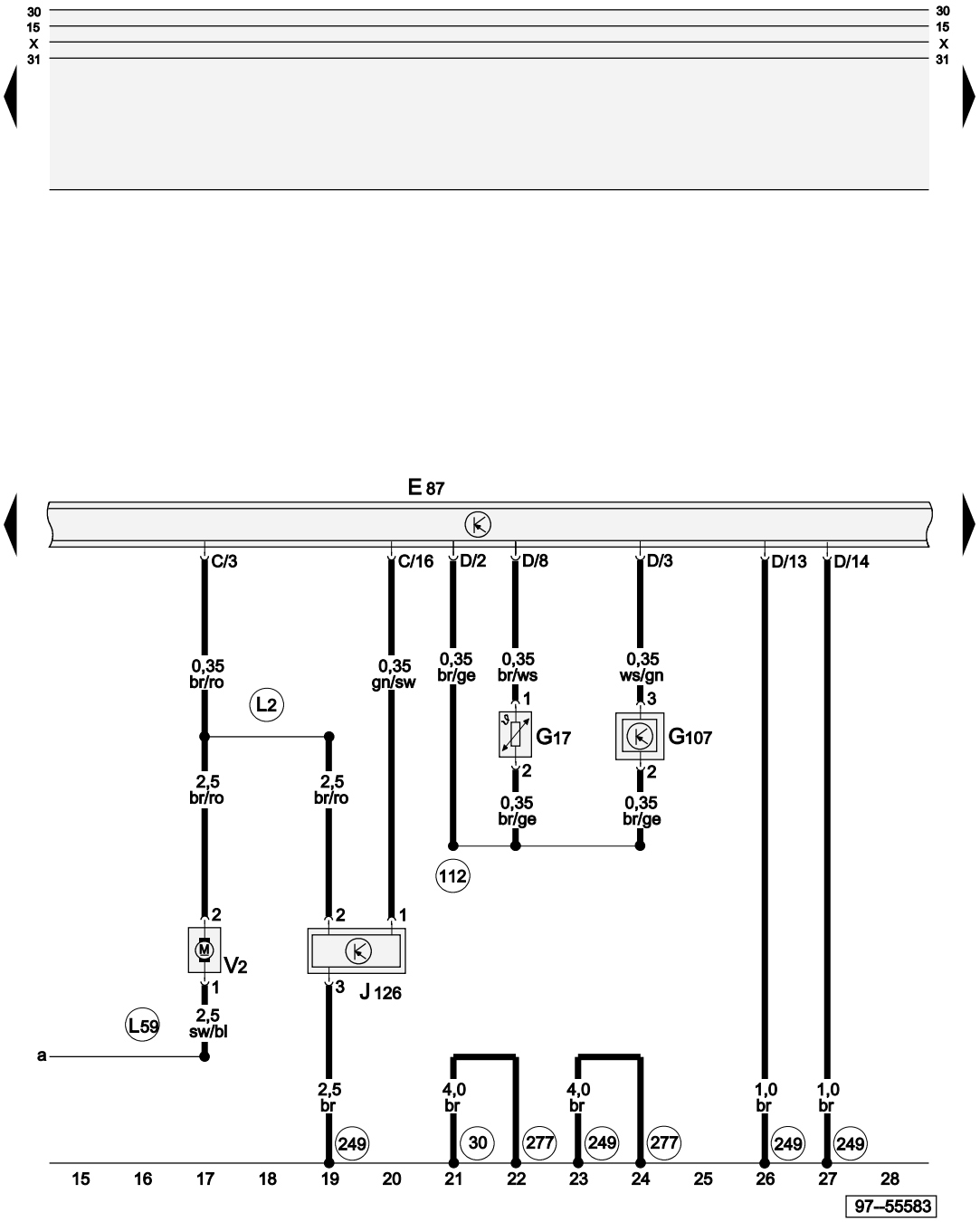


Voltage supply

D	Ignition/starter switch
E1	Lighting switch
E87	Control and display unit for air conditioner/Climatronic
S3	Fuse in fuse box/relay plate
S5	Fuse in fuse box/relay plate
S16	Fuse in fuse box/relay plate
S225	Fuse in fuse box
S226	Fuse in fuse box
A2	Positive (+) connection (15), in dash panel wiring harness
A3	Positive (+) connection (58), in dash panel wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
L59	Positive (+) connection (30), in heater unit wiring harness

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
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ge	=	yellow
or	=	orange
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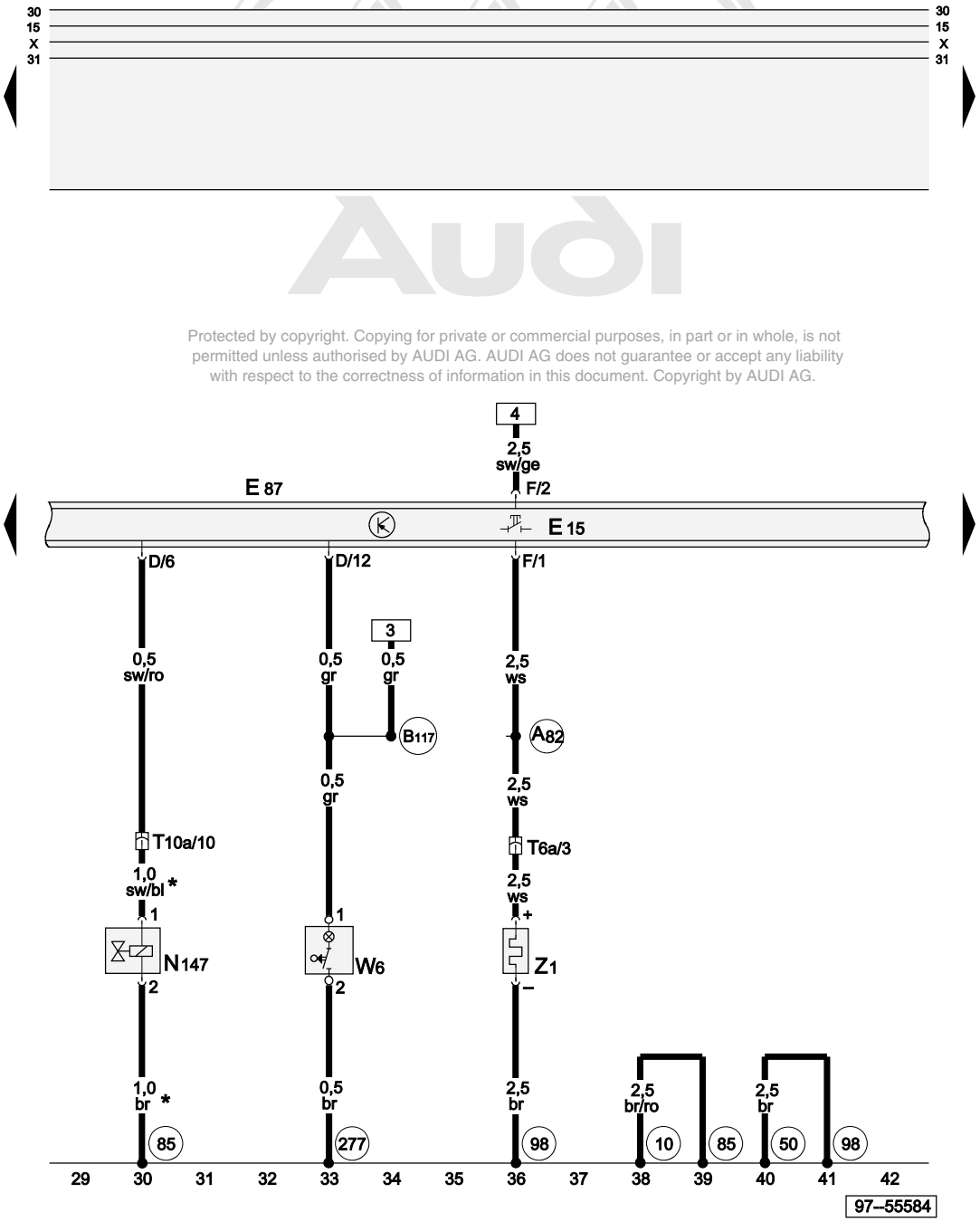


Ambient temperature sensor, sunlight penetration photo sensor, fresh air blower control unit

E87	Control and display unit for air conditioner/Climatronic
G17	Ambient temperature sensor
G107	Sunlight penetration photo sensor
J126	Fresh air blower control unit
V2	Fresh air blower
30	Earth point -1-, next to relay plate
112	Earth connection -2-, in air conditioner wiring harness
249	Earth connection -2-, in interior wiring harness
277	Earth connection -3-, in interior wiring harness
L2	Connection, in air conditioner wiring harness
L59	Positive (+) connection (30), in heater unit wiring harness

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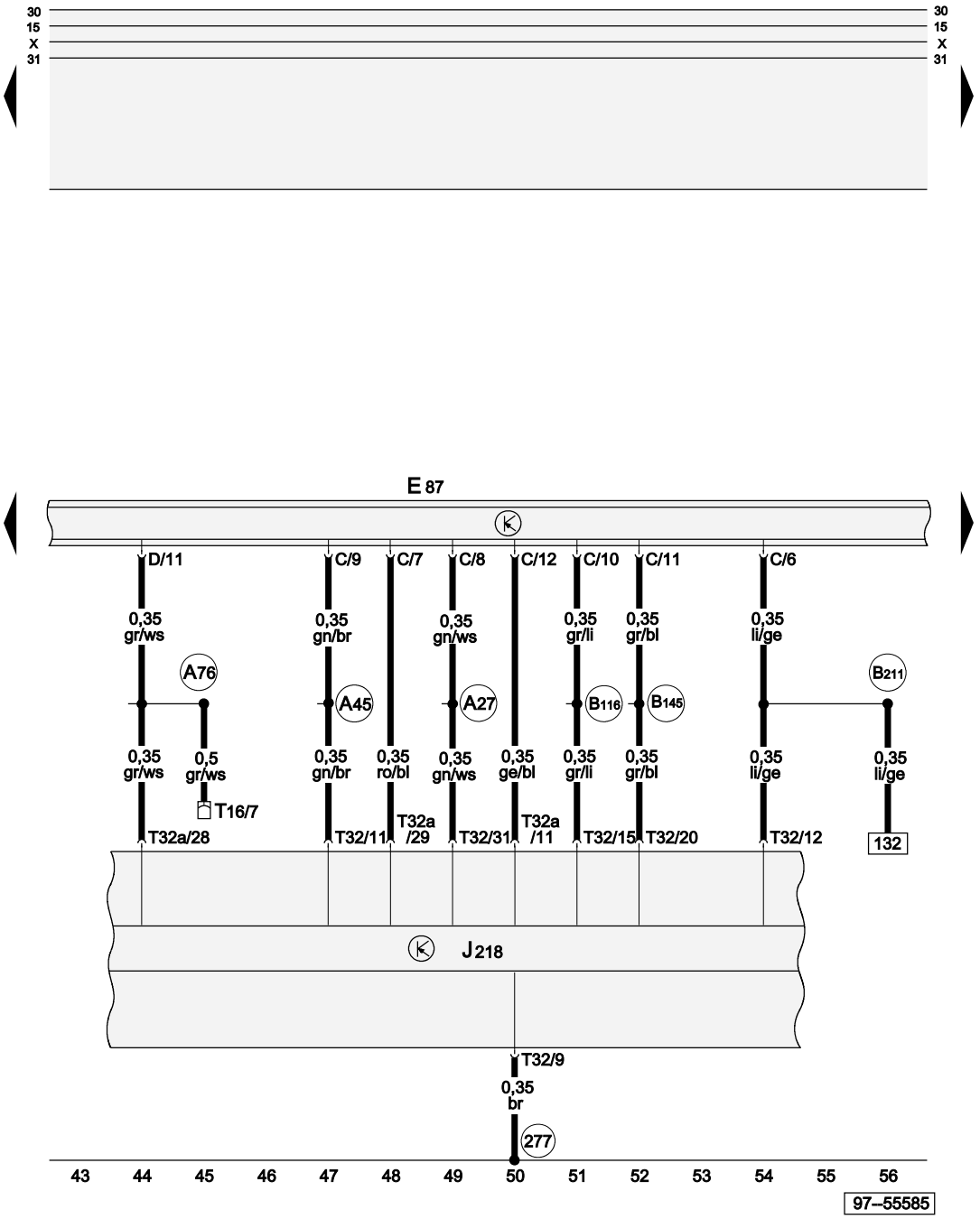


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Two-way valve for coolant cut-off valve, glove box light, heated rear window

E15	Heated rear window switch
E87	Control and display unit for air conditioner/Climatronic
N147	Two-way valve for coolant cut-off valve
T6a	6-pin connector, black, in luggage compartment, left
T10a	10-pin connector, green, in plenum chamber
W6	Glove box light
Z1	Heated rear window
10	Earth point, in plenum chamber
50	Earth point, luggage compartment, left
85	Earth connection -1-, in engine compartment wiring harness
98	Earth connection, in tailgate wiring harness
277	Earth connection -3-, in interior wiring harness
A82	Connection (windscreen heater), in dash panel wiring harness
B117	Connection (58a, right), in interior wiring harness
*	Only applies to models with engine code AVU, as of model year 2003 no longer fitted

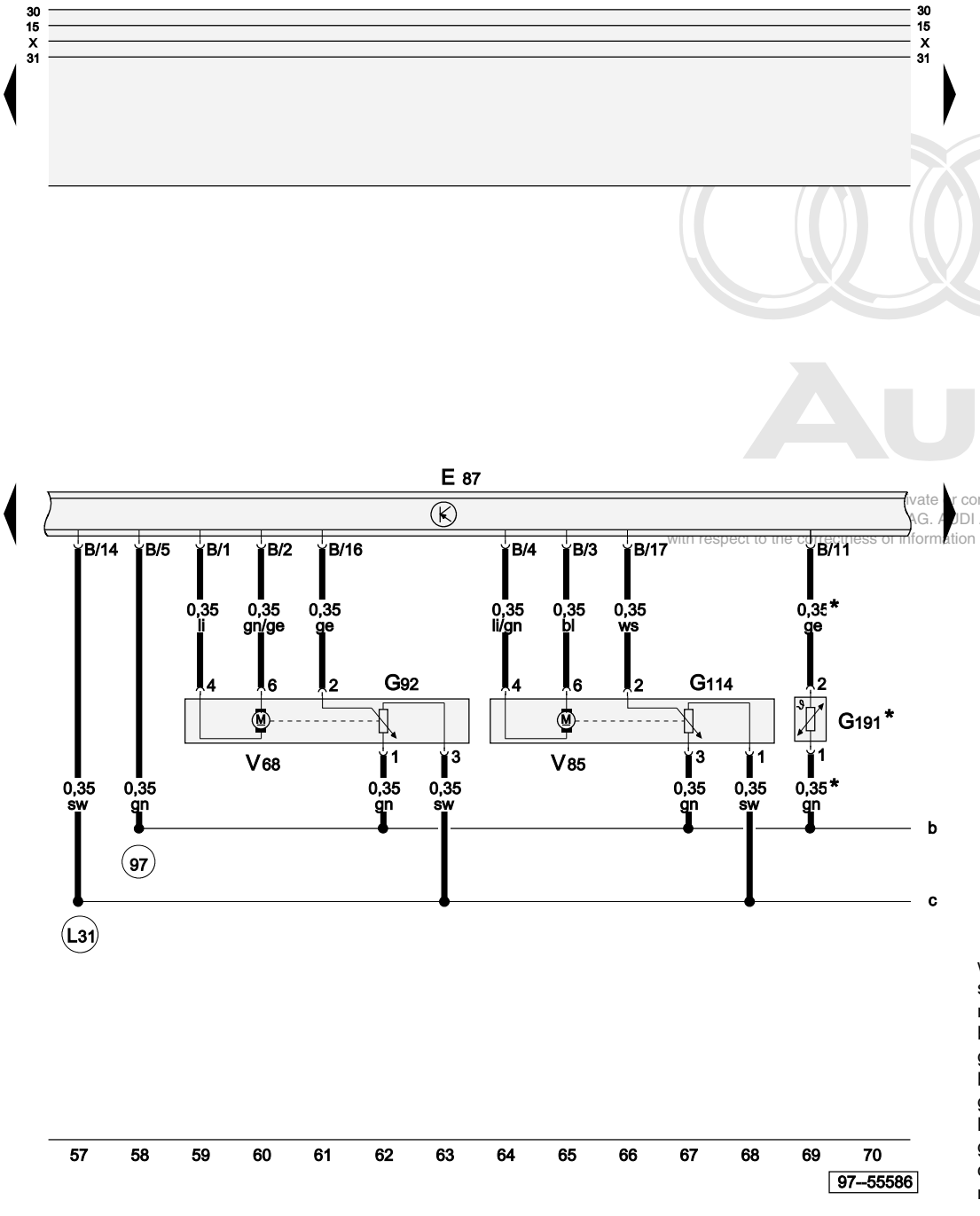


Combi-processor in dash panel insert

E87	Control and display unit for air conditioner/Climatronic
J218	Combi-processor in dash panel insert
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
277	Earth connection -3-, in interior wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B211	Connection -1- (Climatronic, rear), in interior wiring harness

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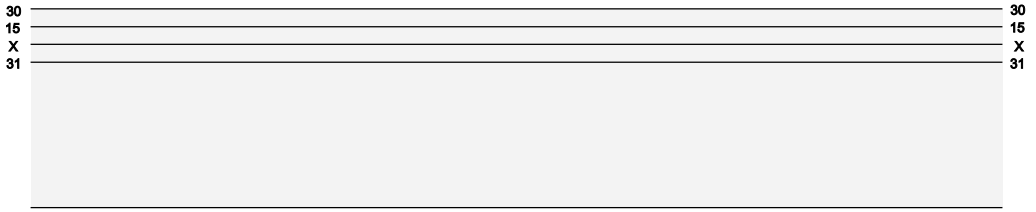
Temperature flap control motor, footwell/defroster flap control motor

E87	Control and display unit for air conditioner/Climatronic
G92	Control motor potentiometer, temperature flap
G114	Control motor potentiometer, footwell/defroster flap
G191	Vent temperature sender, centre
V68	Temperature flap control motor
V85	Footwell/defroster flap control motor
97	Earth connection -1-, in air conditioner wiring harness
L31	Connection (5V), in air conditioner wiring harness
*	Only applies to air conditioner with map-controlled engine cooling

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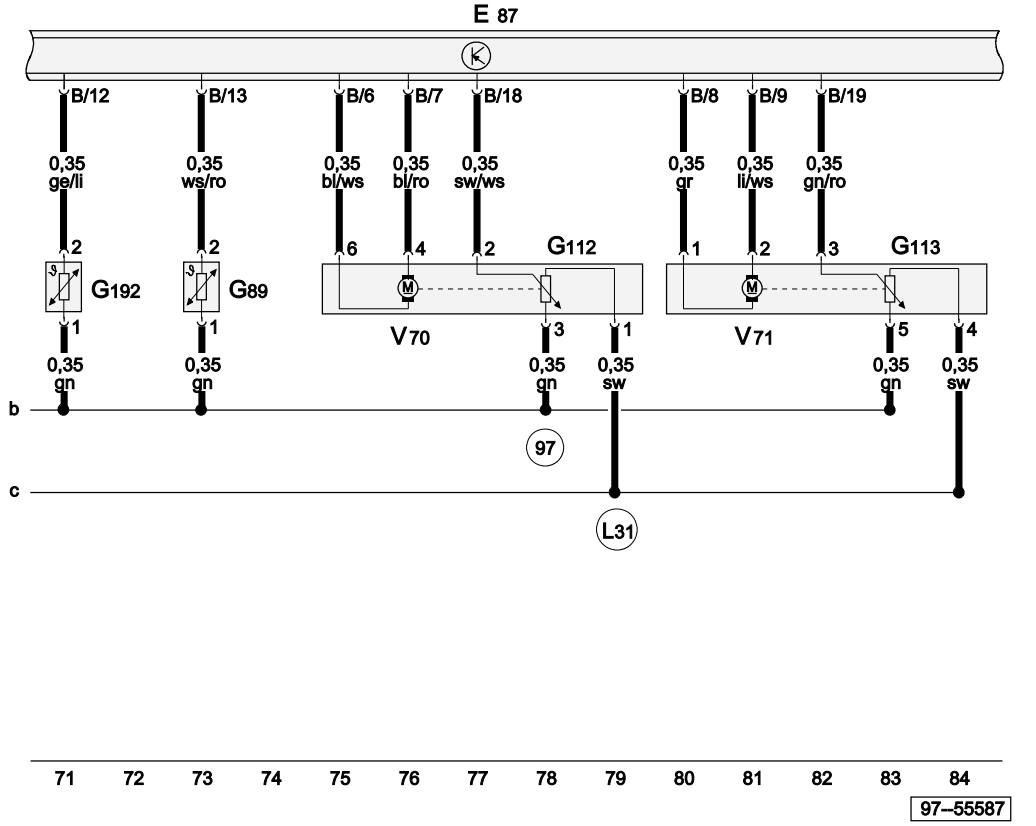
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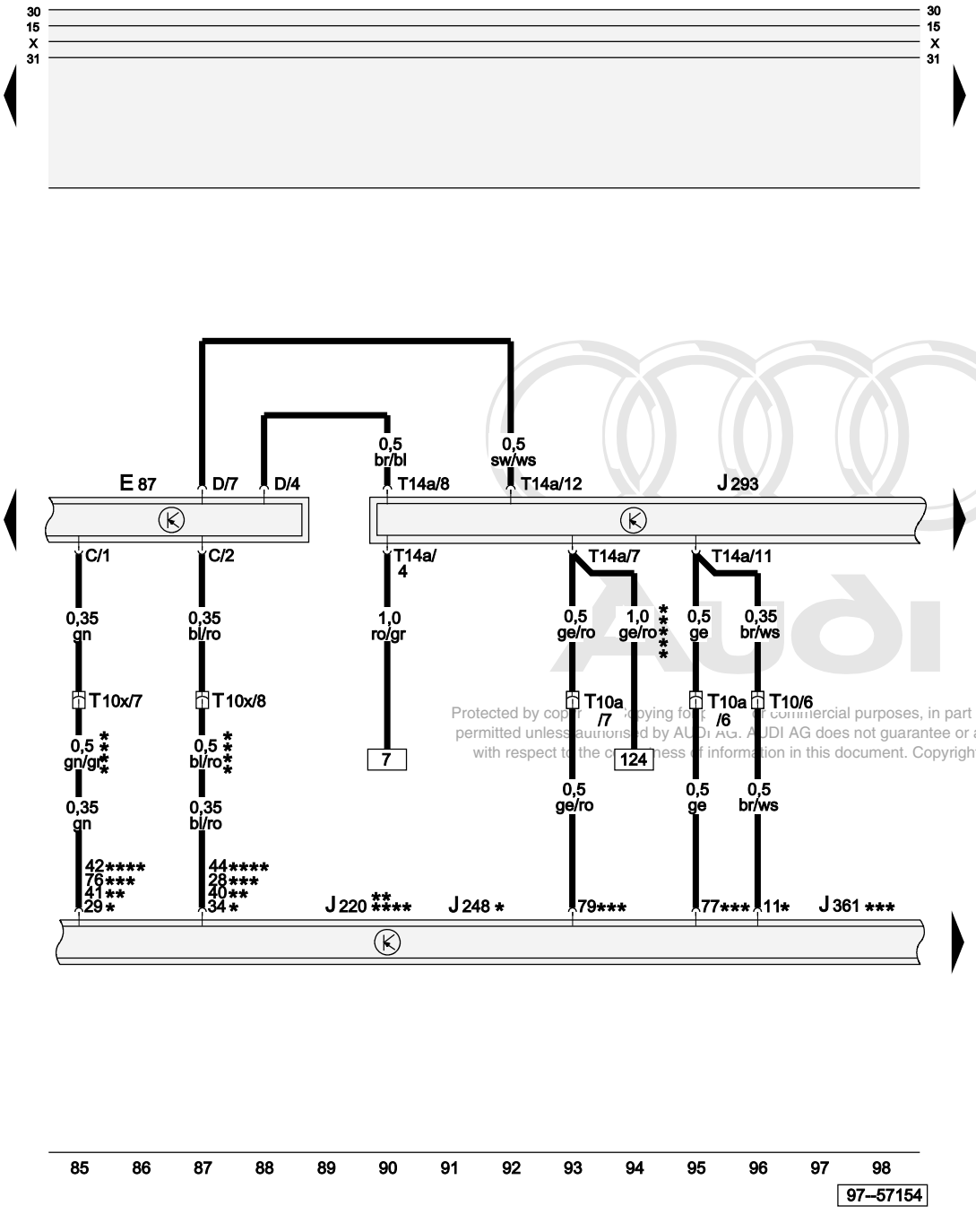
Central flap control motor, air flow flap control motor

E87	Control and display unit for air conditioner/Climatronic
G89	Fresh air intake duct temperature sensor
G112	Control motor potentiometer, central flap
G113	Control motor potentiometer, air flow flap
G192	Vent temperature sender, footwell
V70	Central flap control motor
V71	Air flow flap control motor
97	Earth connection -1-, in air conditioner wiring harness
L31	Connection (5V), in air conditioner wiring harness

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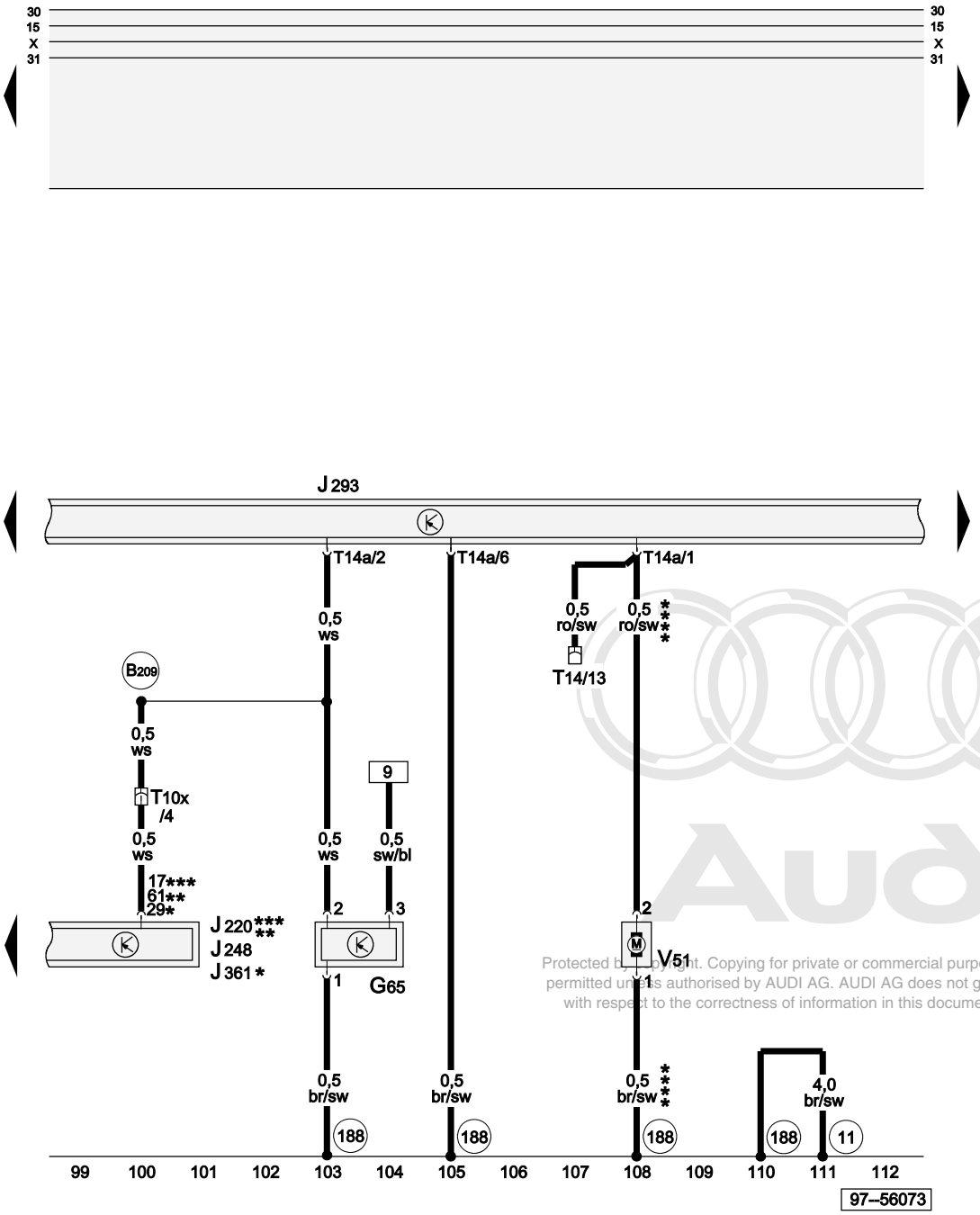


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Radiator fan control unit, Motronic control unit, diesel direct injection system control unit, Simos control unit

E87	Control and display unit for air conditioner/Climatronic
J220	Motronic control unit
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J361	Simos control unit
T10	10-pin connector, white, in plenum chamber
T10a	10-pin connector, green, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14a	14-pin connector, air conditioner control unit (radiator fan)
*	Only applies to models with engine codes ATD, ASZ, AXR, ALH, ASV
**	Only applies to models with engine codes APG, ARX, AUM, AUQ, ARY, AMK, BAM
***	Only applies to models with engine codes AVU, BFQ
****	Only applies to models with engine code BAH
*****	Does not apply to models with engine codes AVU, BFQ

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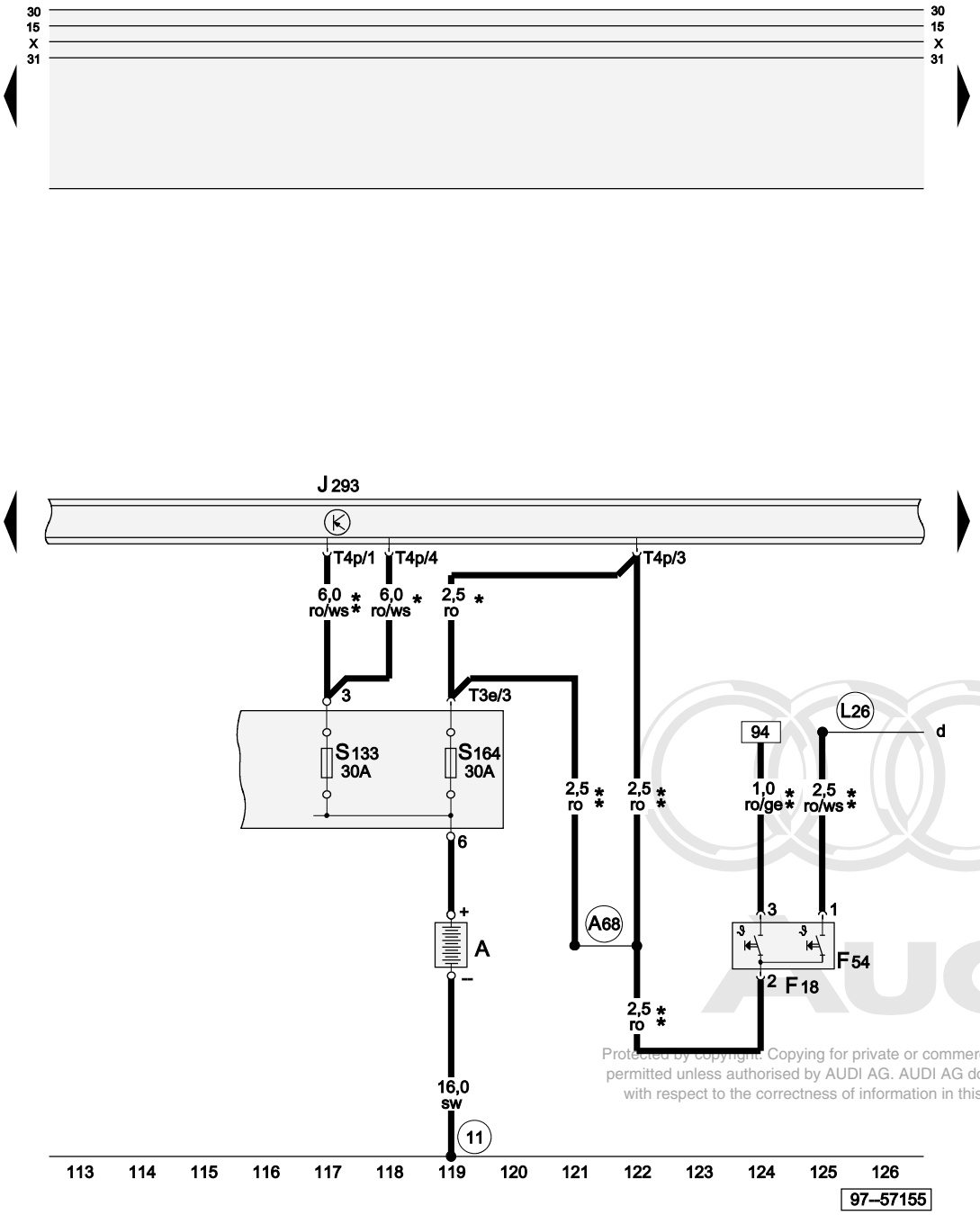


High pressure sender, continued coolant circulation pump

G65	High pressure sender
J220	Motronic control unit
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J361	Simos control unit
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
T14a	14-pin connector, air conditioner control unit (radiator fan)
V51	Continued coolant circulation pump
11	Earth point, in battery box
188	Earth connection -3-, in air conditioner wiring harness
B209	Connection (Climatronic sender), in interior wiring harness
*	Only applies to models with engine codes AVU, BFQ
**	Only applies to models with engine code APG
***	Only applies to models with engine code BAH
****	Only applies to models with engine codes AMK, BAM

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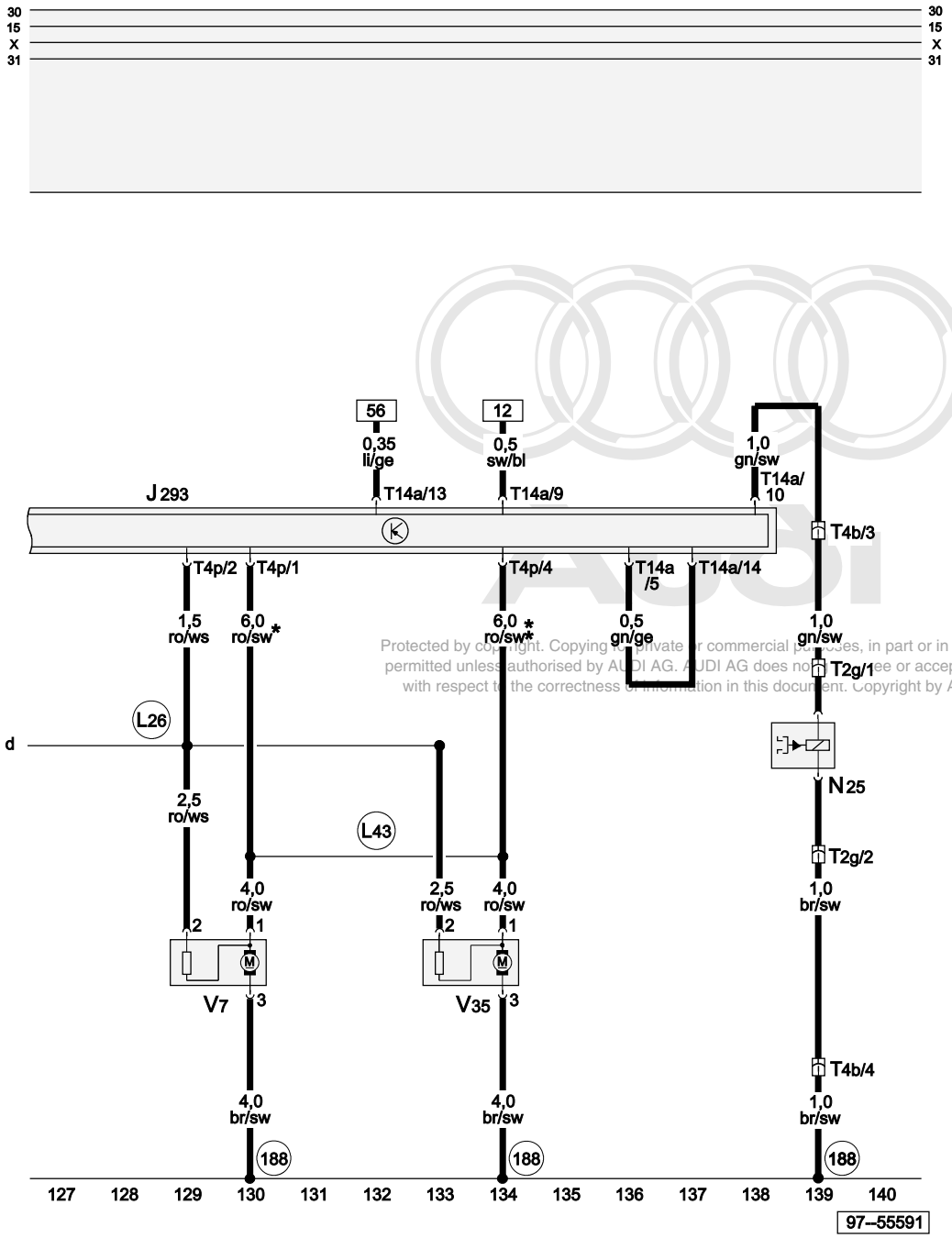


Battery, radiator fan thermo-switches

A	Battery
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J293	Radiator fan control unit
S133	Fuse 3
S164	Fuse -3- (30), in fuse box/battery
T3e	3-pin connector, black, on main fuse box
T4p	4-pin connector, on radiator fan control unit
11	Earth point, in battery box
A68	Connection (30, air conditioner), in dash panel wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
*	Only applies to models with engine codes AVU, BFQ
**	Does not apply to models with engine codes AVU, BFQ

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

Radiator fan, radiator fan - right, air conditioning system magnetic coupling

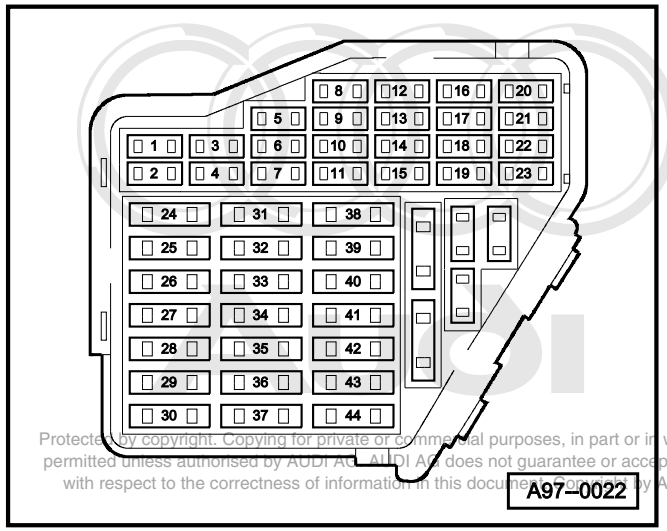
J293	Radiator fan control unit
N25	Air conditioning system magnetic coupling
T2g	2-pin connector, near compressor
T4b	4-pin connector, in engine compartment, left
T4p	4-pin connector, on radiator fan control unit
T14a	14-pin connector, on radiator fan control unit
V7	Radiator fan
V35	Radiator fan, right
188	Earth connection -3-, in air conditioner wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
L43	Connection (radiator fan), in air conditioner/radiator fan wiring harness
*	Only applies to models with engine codes AVU, BFQ
**	Does not apply to models with engine codes AVU, BFQ

Radio sound systems

⇒ **Provision for radio**
⇒ **Radio Chorus**
⇒ **Radio Concert**
⇒ **Radio Symphony**

Up to September 2000

Fuse box



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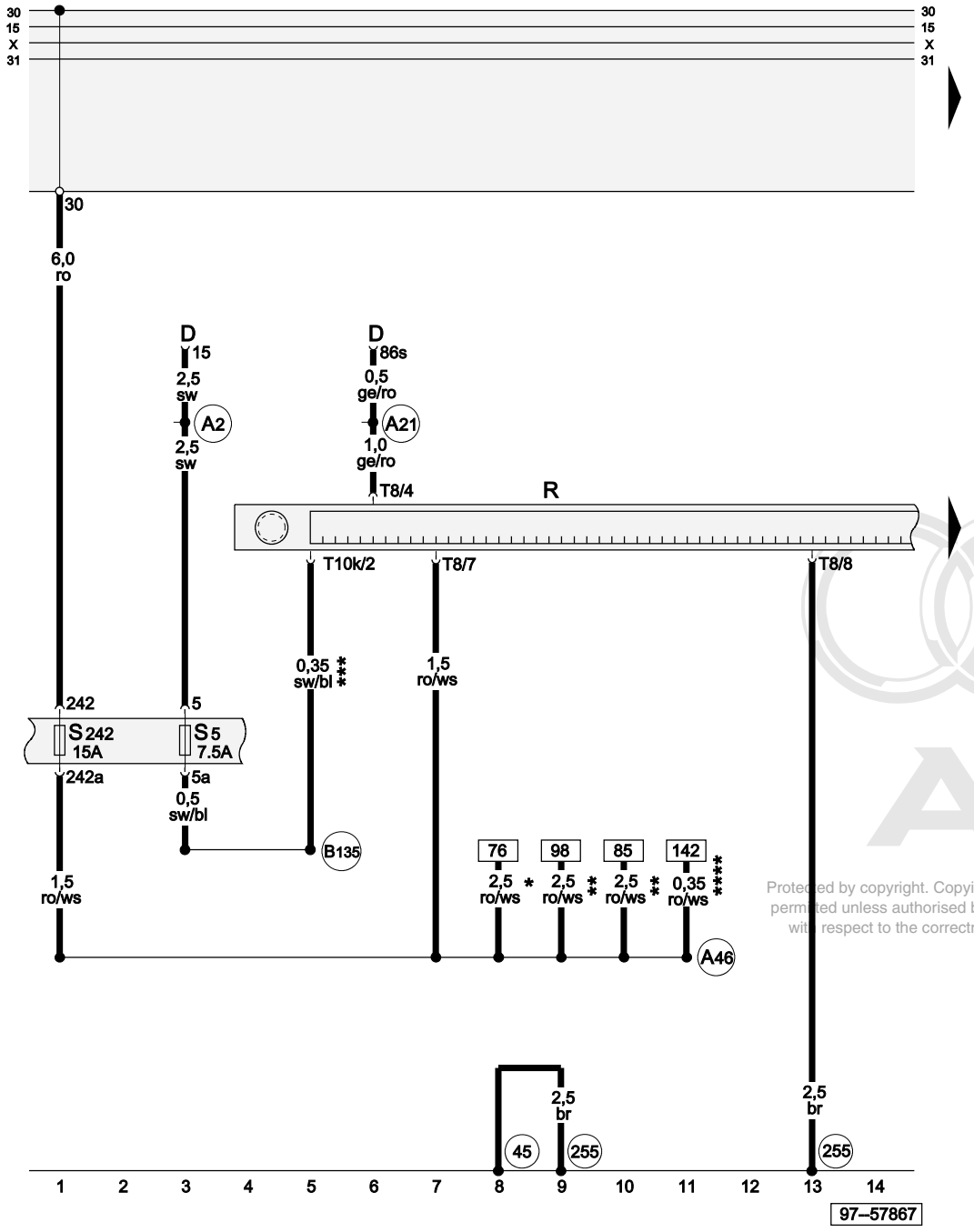
♦ Dash panel, driver's side

Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

♦ *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

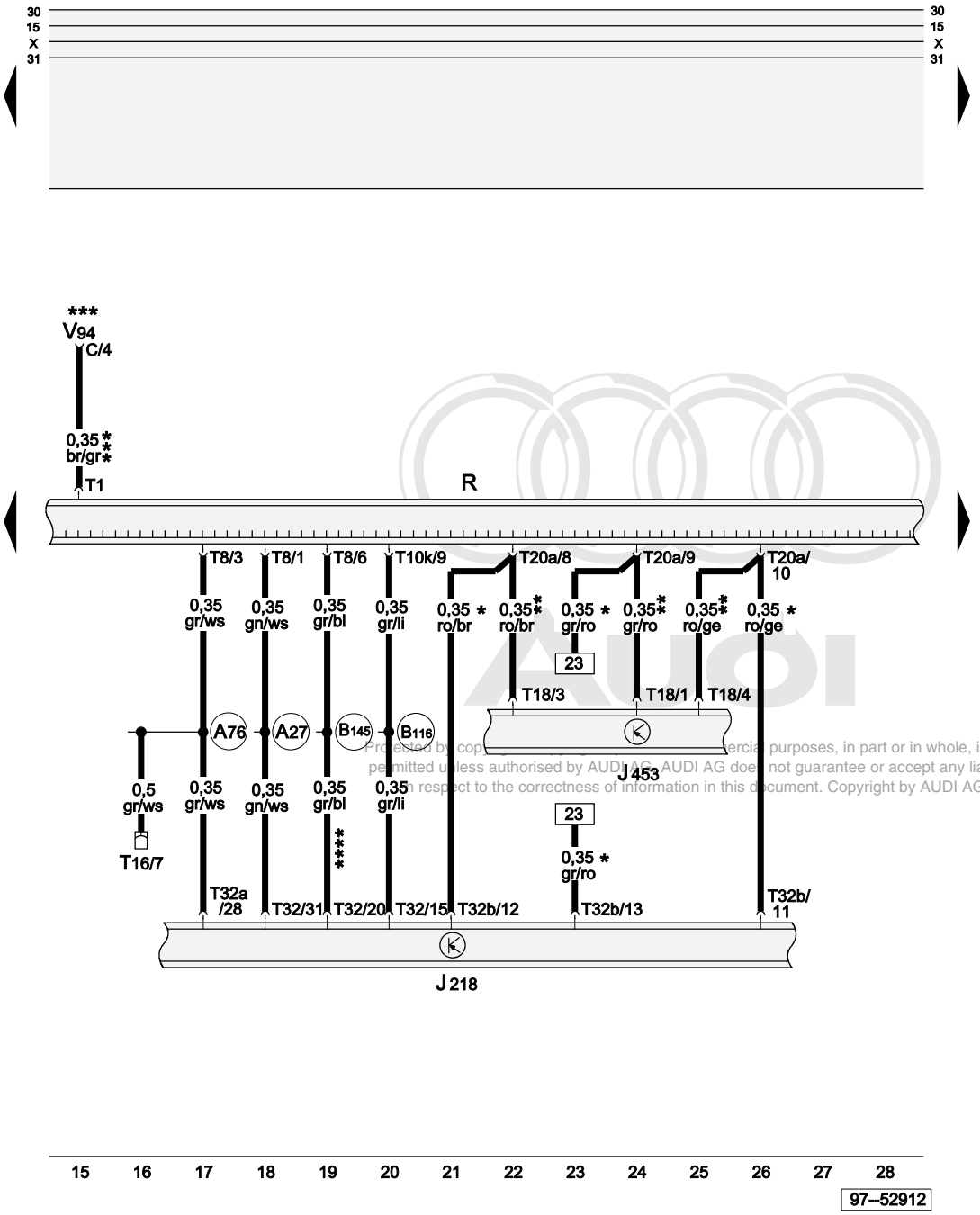


Voltage supply for radio sound systems and provision for radio

D	Ignition/starter switch
R	Radio
S5	Fuse in fuse box/relay plate
S242	Fuse in fuse box
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
45	Earth point, behind dash panel - centre
255	Earth connection -1-, in radio wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
*	With active loudspeakers
**	With Bose sound system
***	Applies to radio Symphony and/or navigation system
****	With radio Symphony

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

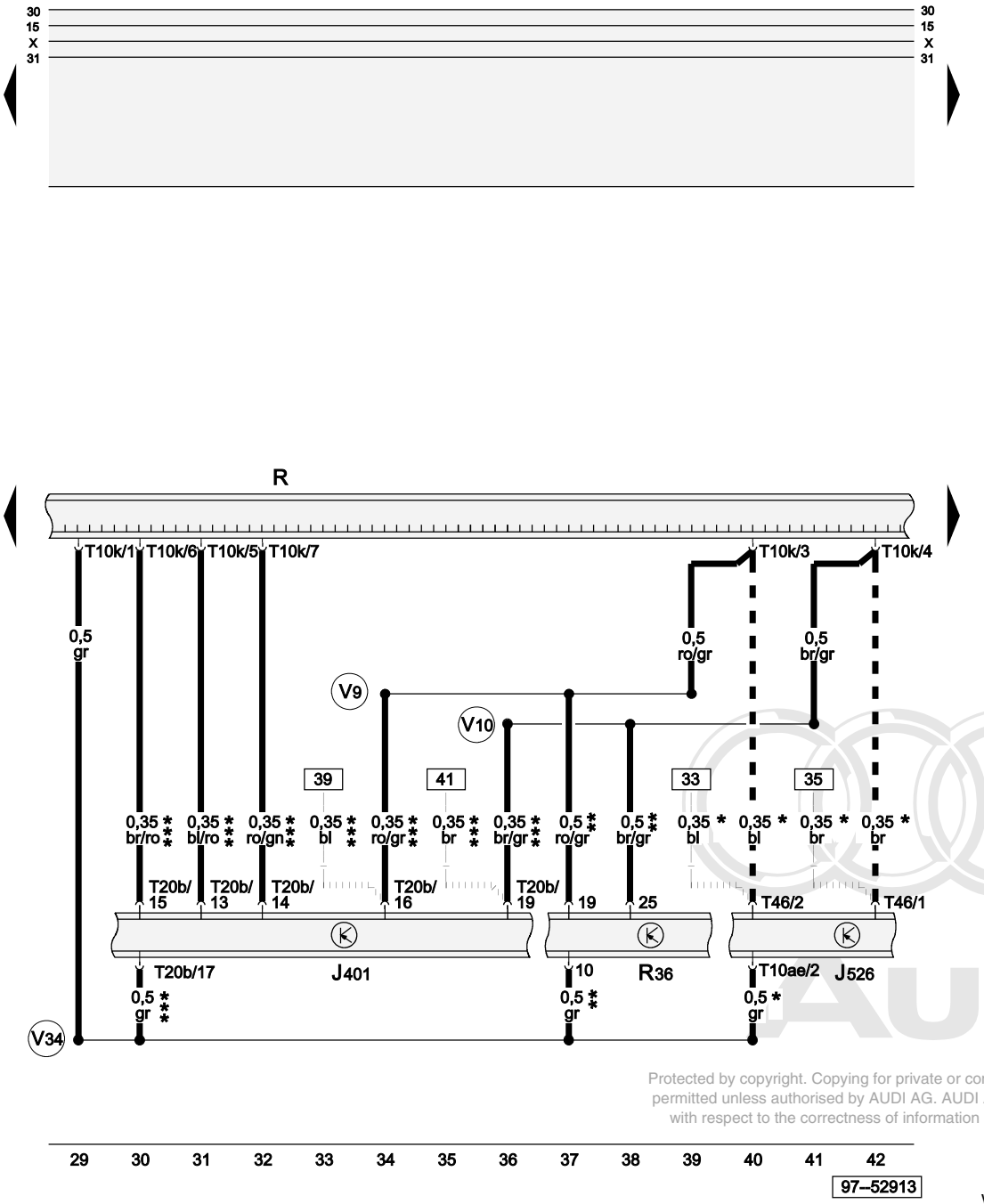


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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, multi-function steering wheel to radios and provision for radio

J218	Combi-processor in dash panel insert
J453	Multi-function steering wheel control unit
R	Radio
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T18	18-pin connector, on multi-function steering wheel control unit
T20a	20-pin connector, black, on radio
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
T32b	32-pin connector, grey, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
A27	Connection (speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with on-board computer and/or multi-function steering wheel
**	Only models with multi-function steering wheel
***	Only models with anti-theft alarm system
****	Output for illumination



ws = white

Muting to radios and provision for radio

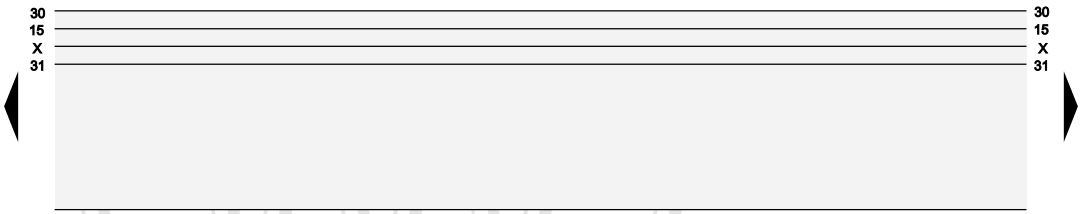
J401	Navigation system with CD drive control unit
J526	Telephone/telematics control unit
R	Radio
R36	Telephone transmitter and receiver unit
T10k	10-pin connector, red, on radio
T10ae	10-pin connector, on telephone/telematics control unit
T20b	20-pin connector, black, on navigation control unit
T46	46-pin connector, on telephone/telematics control unit
V9	Connection (positive (+), loudspeaker, front right) in loudspeaker wiring harness
V10	Connection (negative (-), loudspeaker, front right) in loudspeaker wiring harness
V34	Connection (muting), in telephone wiring harness
*	Only models with telematics, does not telephone
**	Only models with telephone, does not telematics
***	Only models with navigation system
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nal-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/ppppp.png" content-width="20pt" scaling="uniform"/>	
<fo:exter	Only models without navigation system
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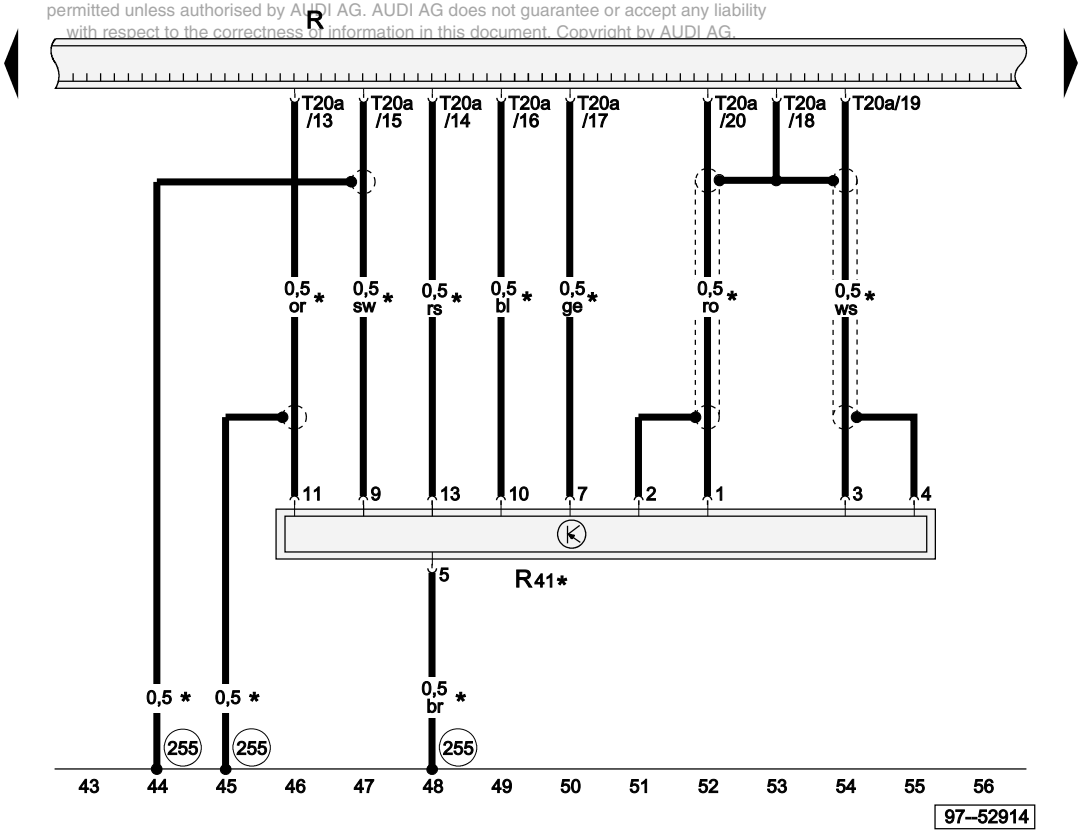
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

g" content-width="20pt" scaling="uniform"/>

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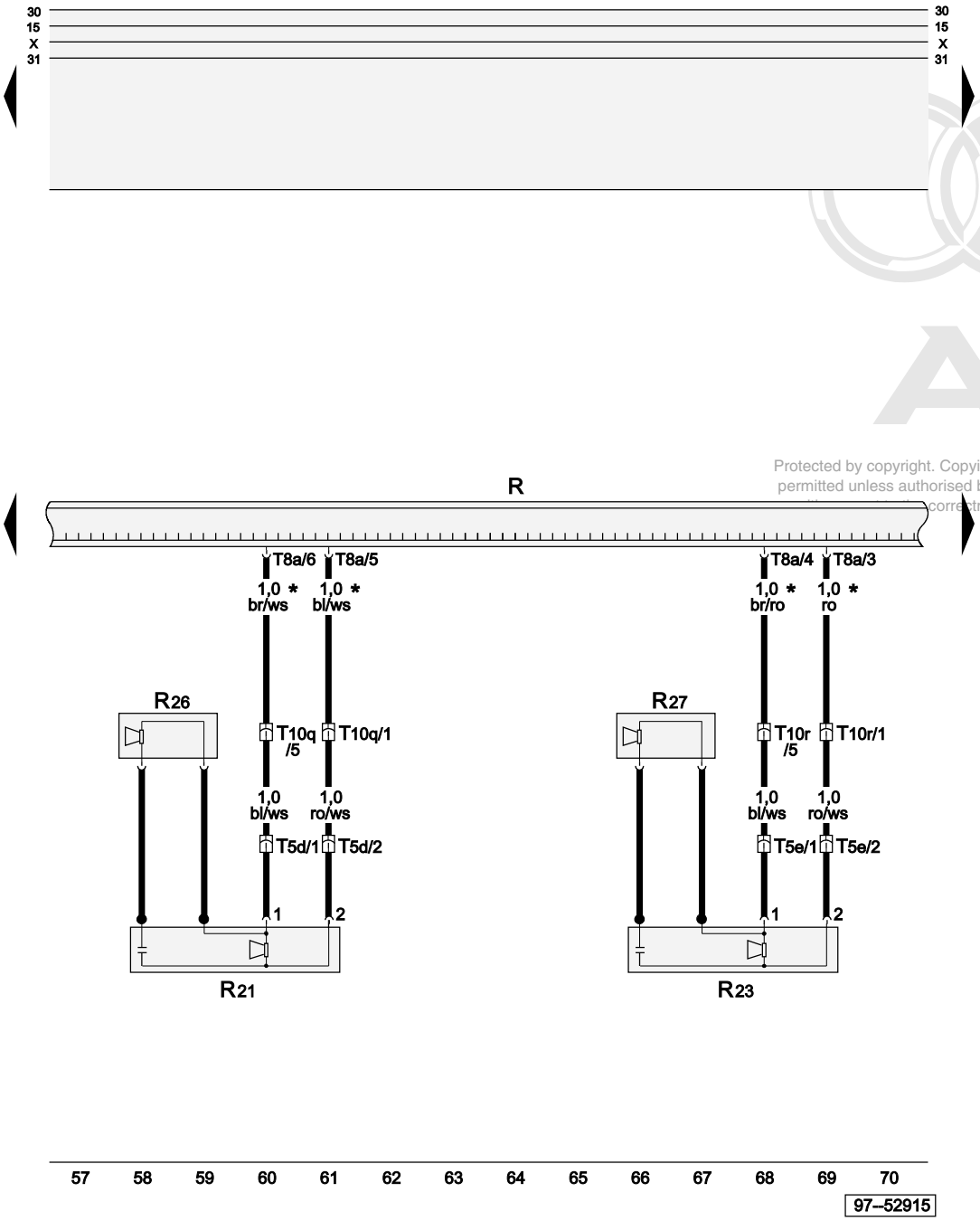
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CD changer

R	Radio
R41	CD changer
T20a	20-pin connector, black, on radio
255	Earth connection -1-, in radio wiring harness
*	Only models with radio Concert possible

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

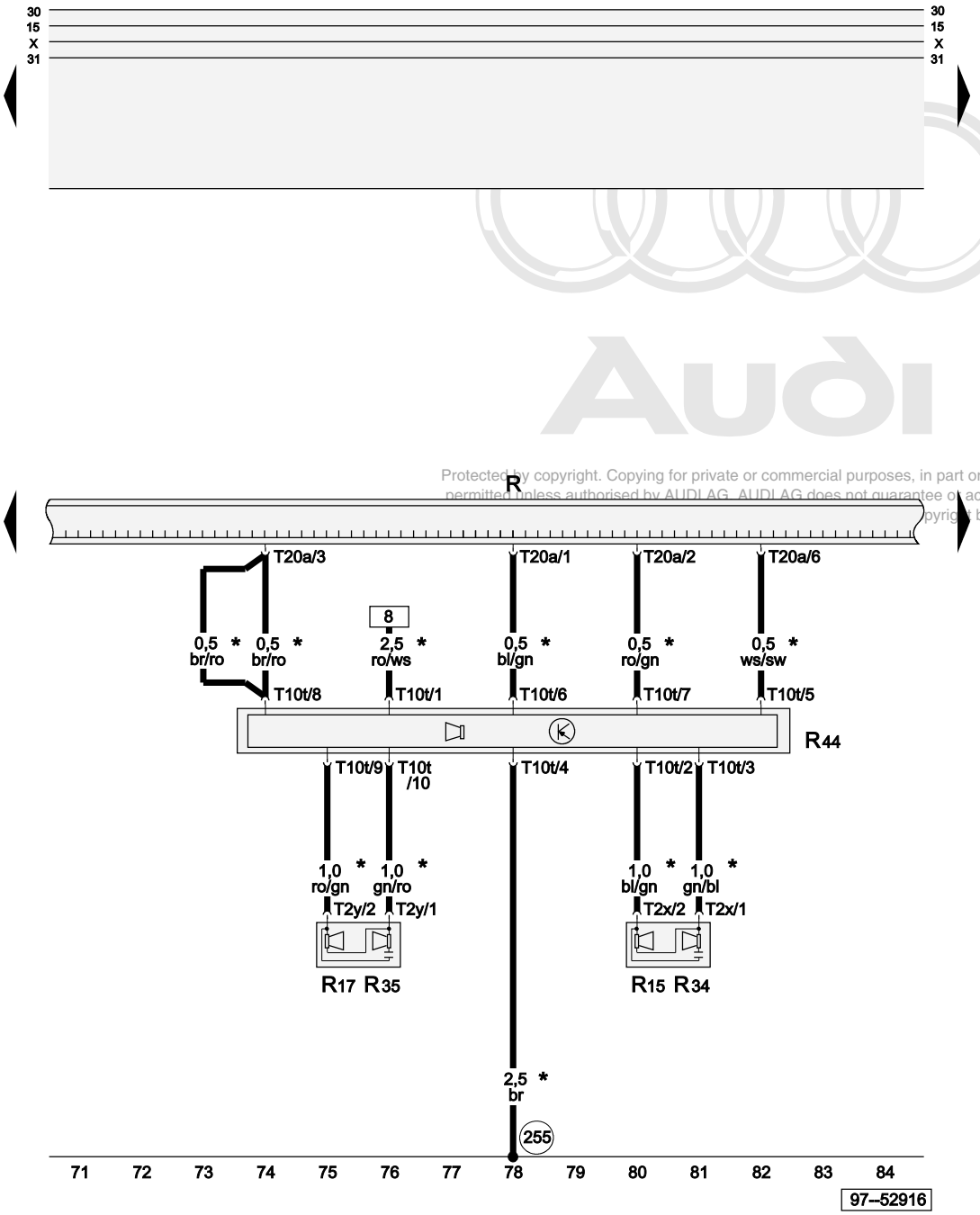


Active loudspeakers front

R	Radio
R21	Bass loudspeaker, front left
R23	Bass loudspeaker, front right
R26	Middle-high tone loudspeaker, front left
R27	Middle-high tone loudspeaker, front right
T5d	5-pin connector, black, in driver's door
T5e	5-pin connector, black, in front passenger's door
T8a	8-pin connector, brown, on radio
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right
*	Active loudspeakers front

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

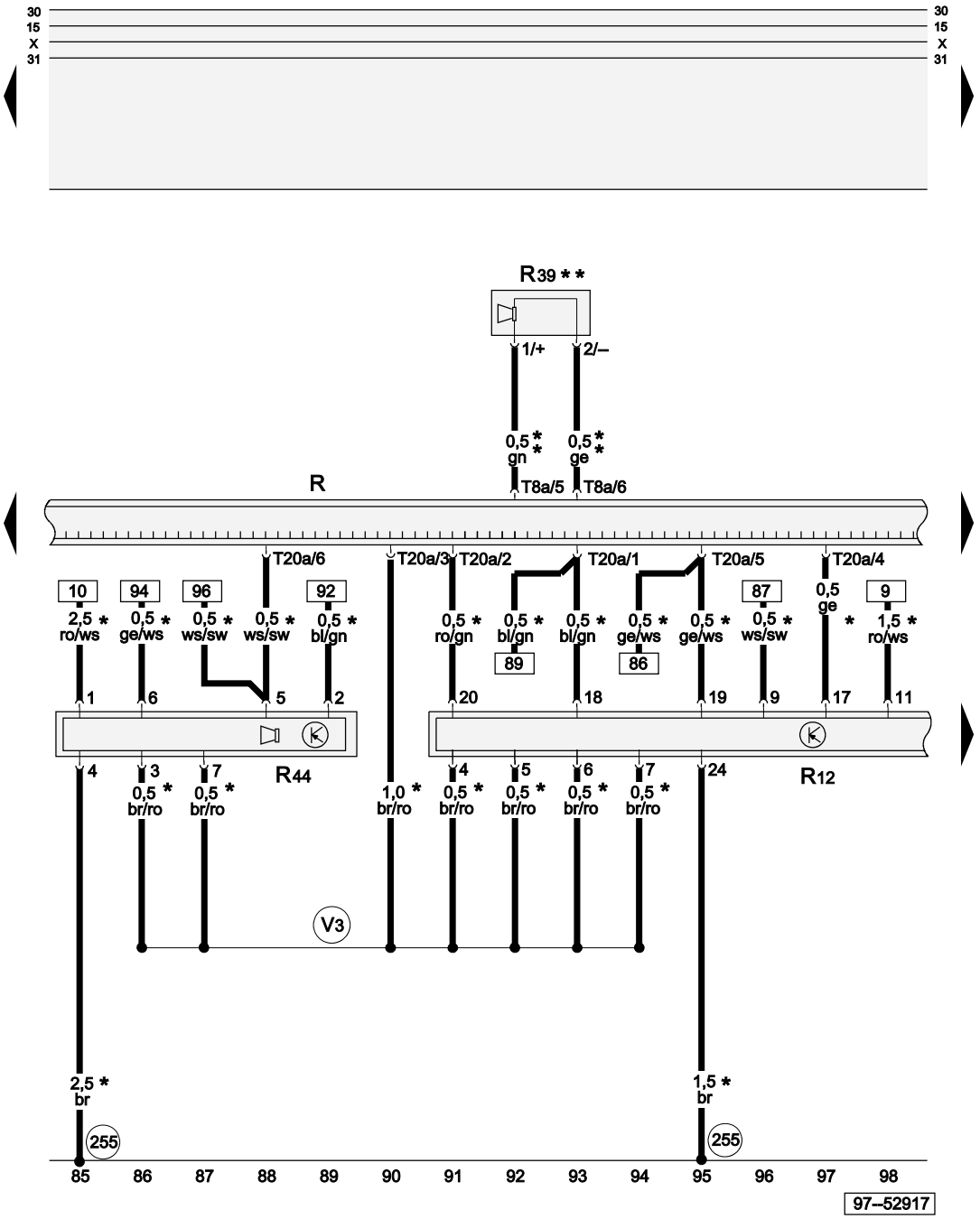


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Active loudspeakers rear

R	Radio
R15	Bass loudspeaker, rear left
R17	Bass loudspeaker, rear right
R34	Middle-treble tone loudspeaker, rear left
R35	Middle-treble tone loudspeaker, rear right
R44	Amplifier with bass loudspeaker (luggage compartment, left)
T2x	2-pin connector, black, on loudspeaker rear left
T2y	2-pin connector, black, on loudspeaker rear right
T10t	10-pin connector, red, in luggage compartment, left
T20a	20-pin connector, black, on radio
255	Earth connection -1-, in radio wiring harness
*	Active loudspeakers rear

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

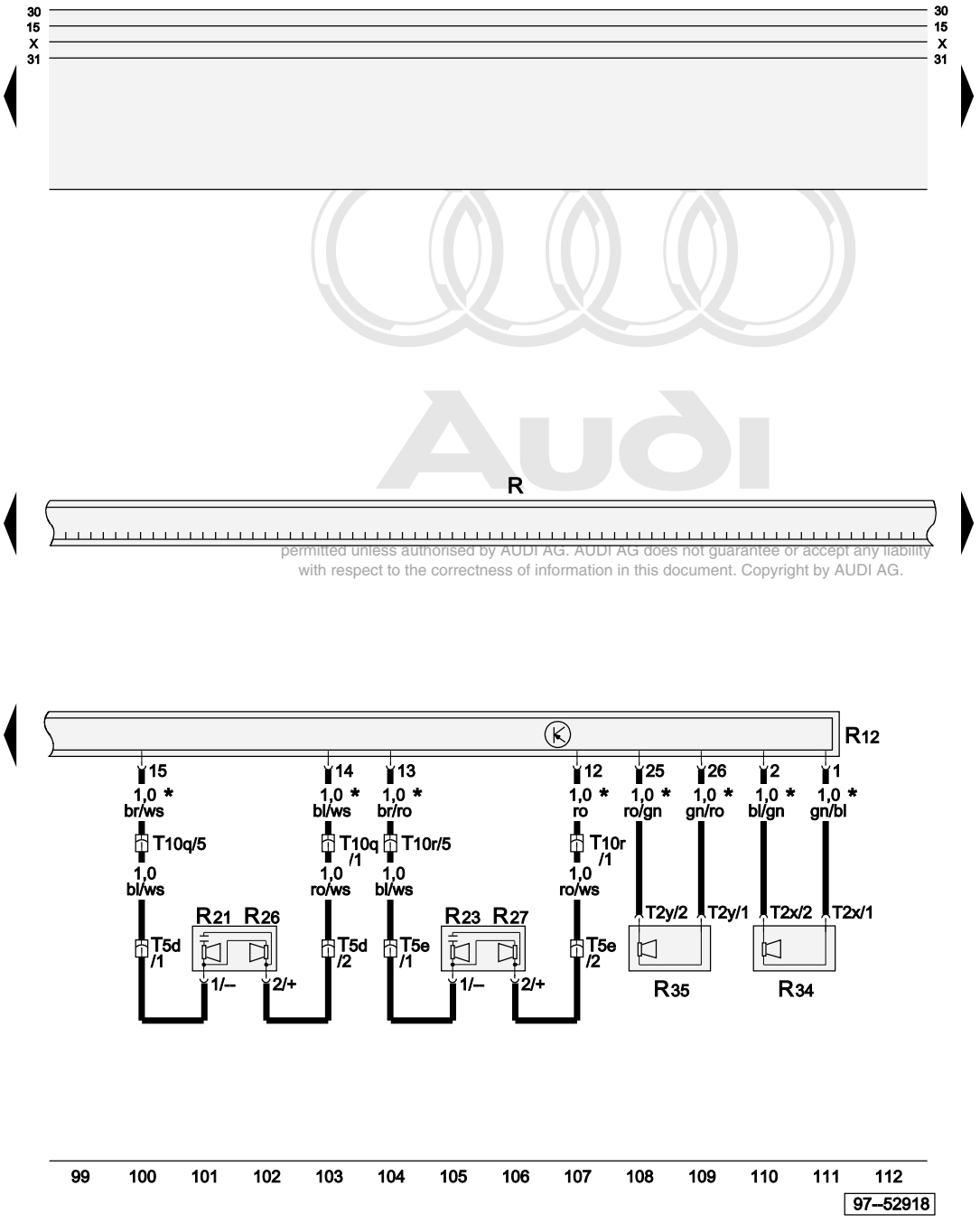


Bose sound system

R	Radio
R12	Amplifier
R39	Telephone/navigation systems loudspeaker
R44	Amplifier with bass loudspeaker (luggage compartment, left)
T8a	8-pin connector, brown, on radio
T20a	20-pin connector, black, on radio
255	Earth connection -1-, in radio wiring harness
V3	Connection (NF), in rear speaker wiring harness
*	Bose sound system (does not apply to radio Chorus)
**	Bose sound system with telephone

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ro	=	red
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or	=	orange
rs	=	pink

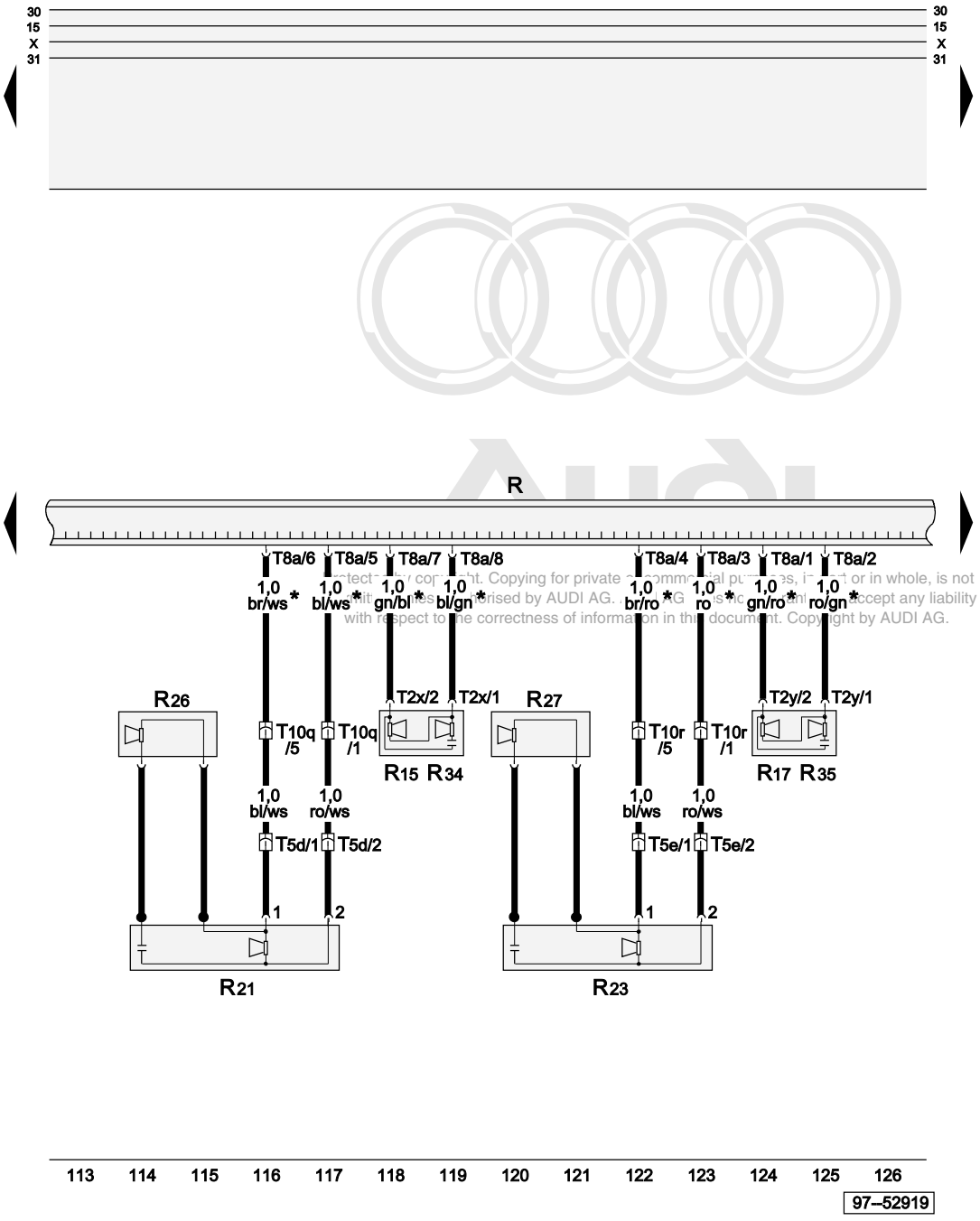


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Bose sound system

R	Radio
R12	Amplifier
R21	Bass loudspeaker, front left
R23	Bass loudspeaker, front right
R26	Middle-high tone loudspeaker, front left
R27	Middle-high tone loudspeaker, front right
R34	Middle-treble tone loudspeaker, rear left
R35	Middle-treble tone loudspeaker, rear right
T2x	2-pin connector, black, on loudspeaker rear left
T2y	2-pin connector, black, on loudspeaker rear right
T5d	5-pin connector, black, in driver's door
T5e	5-pin connector, black, in front passenger's door
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right
*	Bose sound system (does not apply to radio Chorus)

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

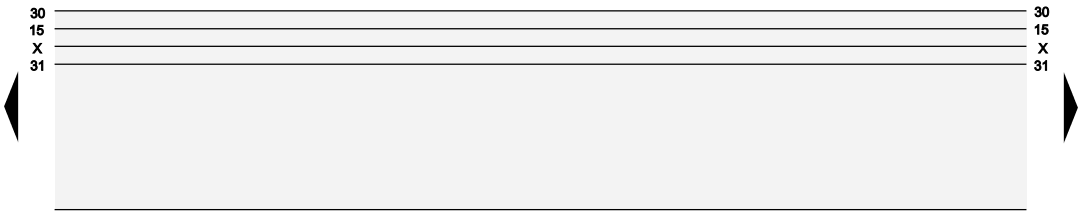


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Loudspeakers to provision for radio

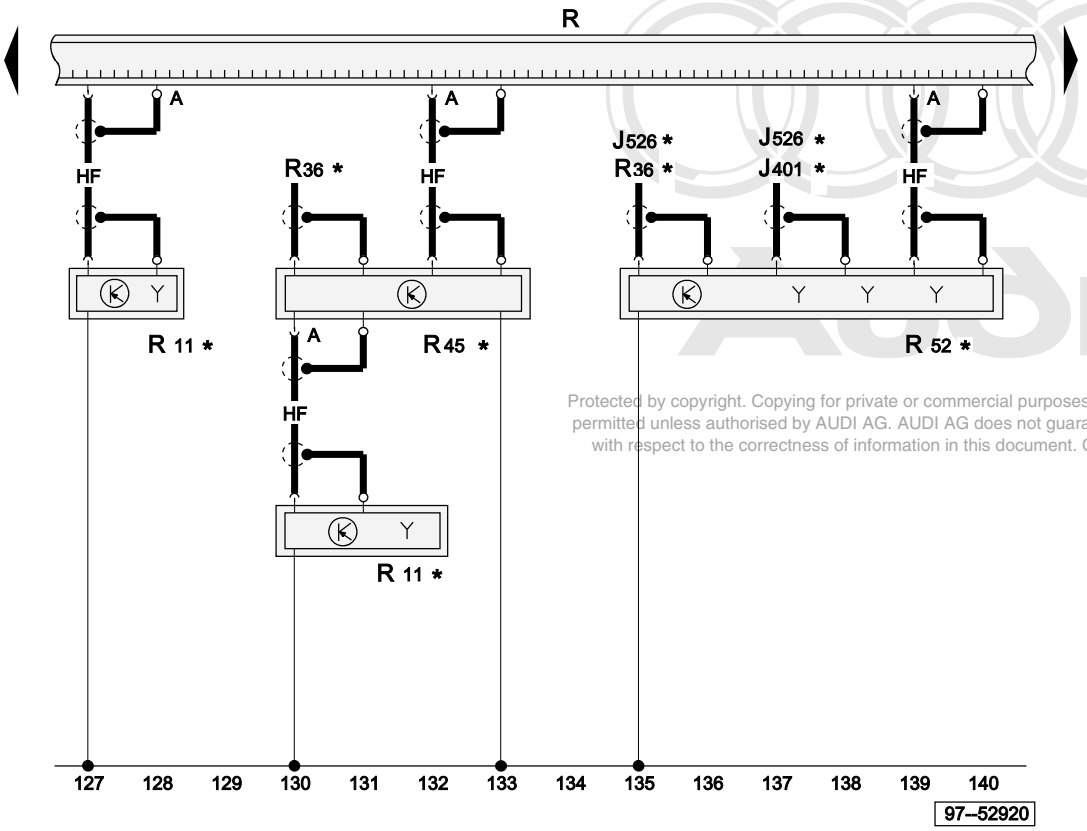
R	Radio
R15	Bass loudspeaker, rear left
R17	Bass loudspeaker, rear right
R21	Bass loudspeaker, front left
R23	Bass loudspeaker, front right
R26	Middle-high tone loudspeaker, front left
R27	Middle-high tone loudspeaker, front right
R34	Middle-treble tone loudspeaker, rear left
R35	Middle-treble tone loudspeaker, rear right
T2x	2-pin connector, black, on loudspeaker rear left
T2y	2-pin connector, black, on loudspeaker rear right
T5d	5-pin connector, black, in driver's door
T5e	5-pin connector, black, in front passenger's door
T8a	8-pin connector, brown, on radio
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right

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



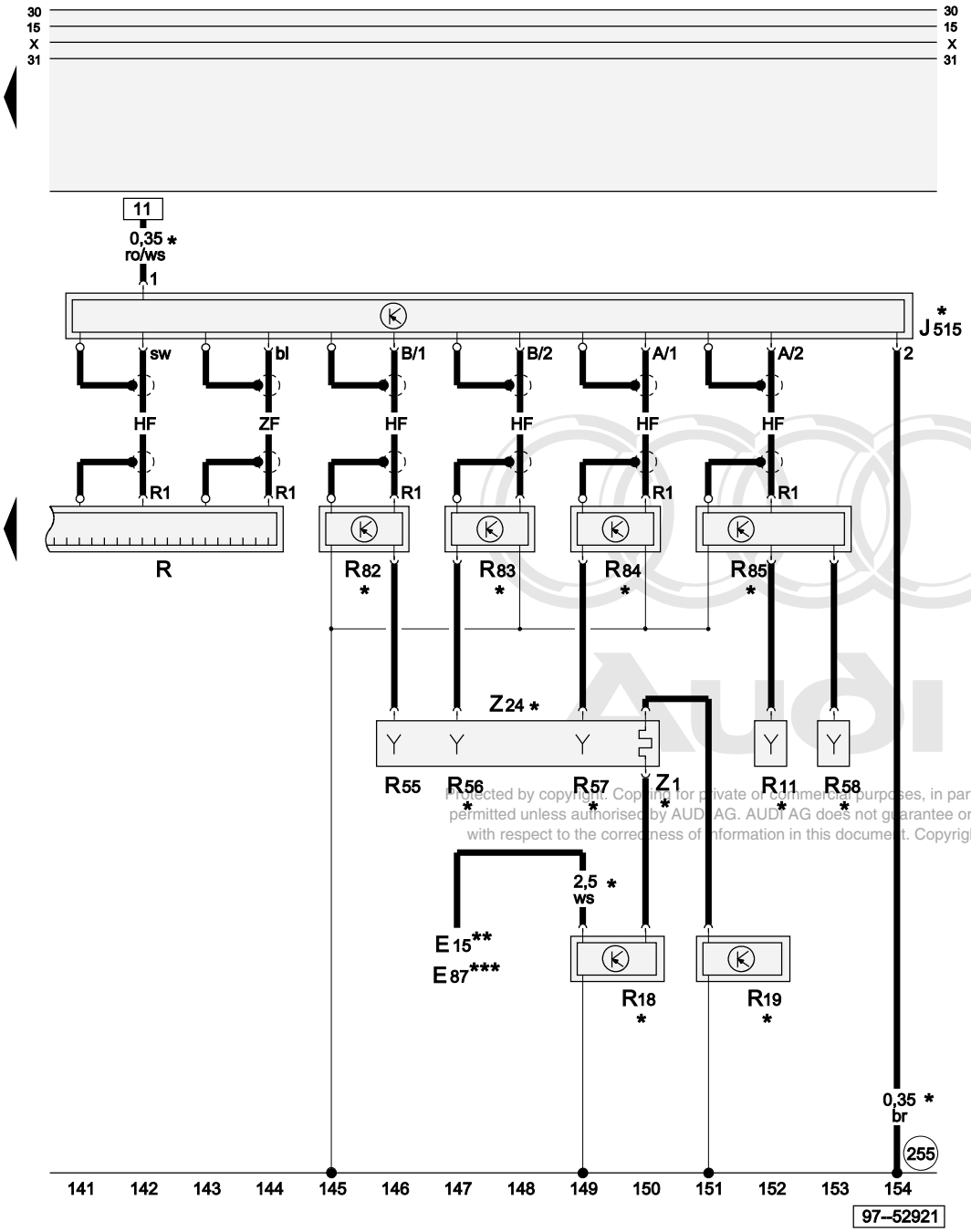
Aerials for radio Chorus and radio Concert

J401	Navigation system with CD drive control unit
J526	Telephone/telematics control unit
R	Radio
R11	Aerial
R36	Telephone transmitter and receiver unit
R45	Aerial amplifier (telephone/radio)
R52	Radio/telephone/navigation aerial (GPS)
*	Aerials for radio Chorus and radio Concert



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

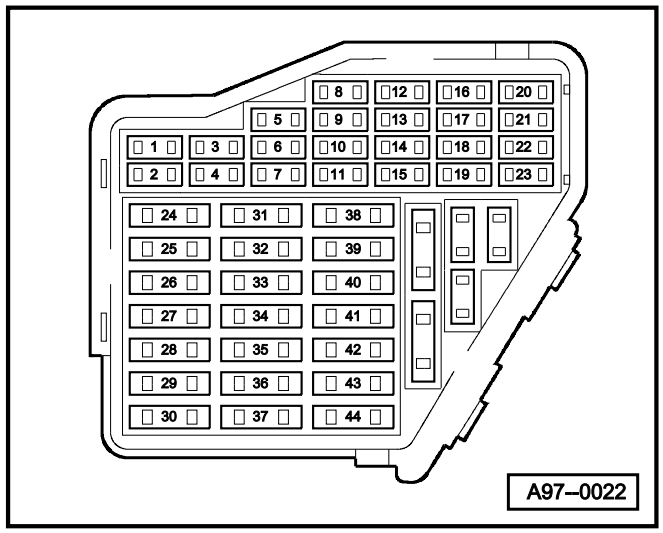
Aerials for radio Symphony

E15	Heated rear window switch
E87	Control and display unit for air conditioner/Climatronic
J515	Aerial selection control unit
R	Radio
R11	Aerial
R18	Frequency switch, left
R19	Frequency switch, right
R55	TV aerial -1-
R56	TV aerial -2-
R57	TV aerial -3-
R58	TV aerial -4-
R82	Aerial amplifier 1, TV
R83	Aerial amplifier 2, TV
R84	Aerial amplifier 3, TV
R85	Aerial amplifier 4, TV
Z1	Heated rear window
Z24	Heated rear window with window aerial
255	Earth connection -1-, in radio wiring harness
*	Aerials for radio Symphony
**	Models without air conditioner
***	Models with air conditioner

Radio sound systems

⇒ **Radio Chorus**
⇒ **Radio Concert**
⇒ **Radio Symphony**
From model year 2001

Fuse box



♦ Dash panel, driver's side

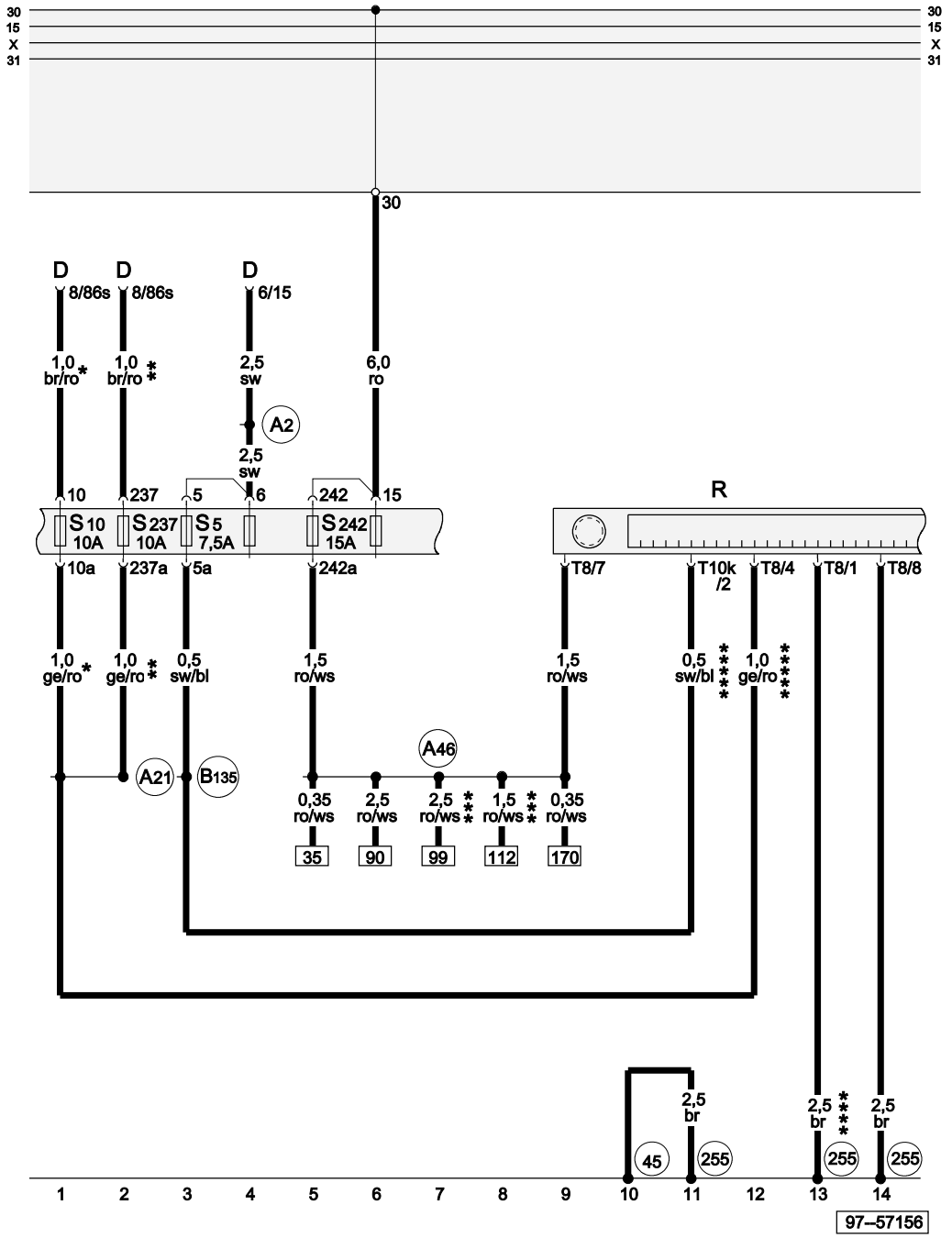
Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

♦ *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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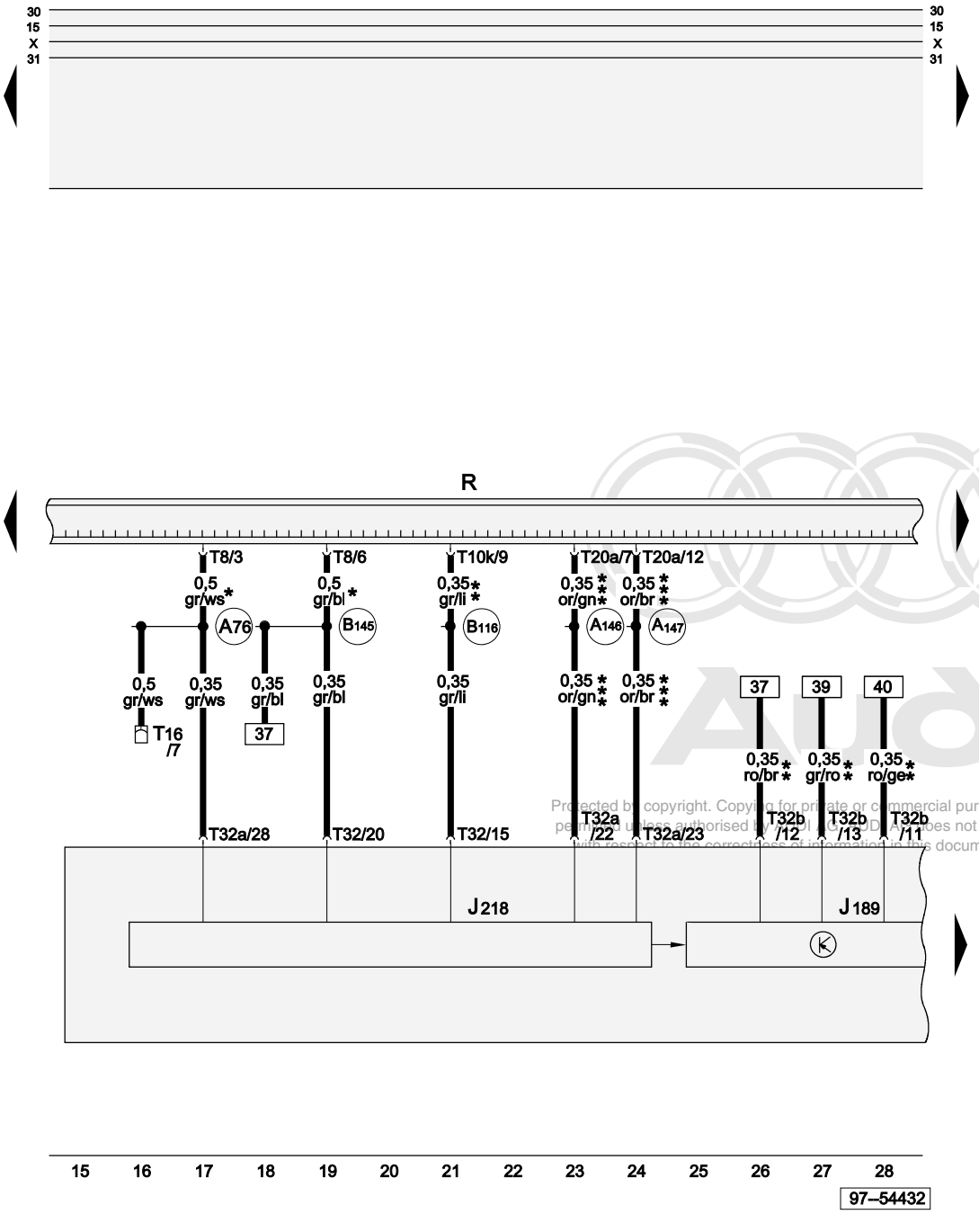


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses

D	Ignition/starter switch
R	Radio
S5	Fuse in fuse box/relay plate
S10	Fuse in fuse box/relay plate
S237	Fuse in fuse box
S242	Fuse in fuse box
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
45	Earth point, behind dash panel - centre
255	Earth connection -1-, in radio wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
*	From November 2001 onwards
**	As of November 2001 no longer fitted
***	Applies to Bose sound system only
****	Applies to Bose sound system only - from model year 2002
*****	As of model year 2002 no longer fitted

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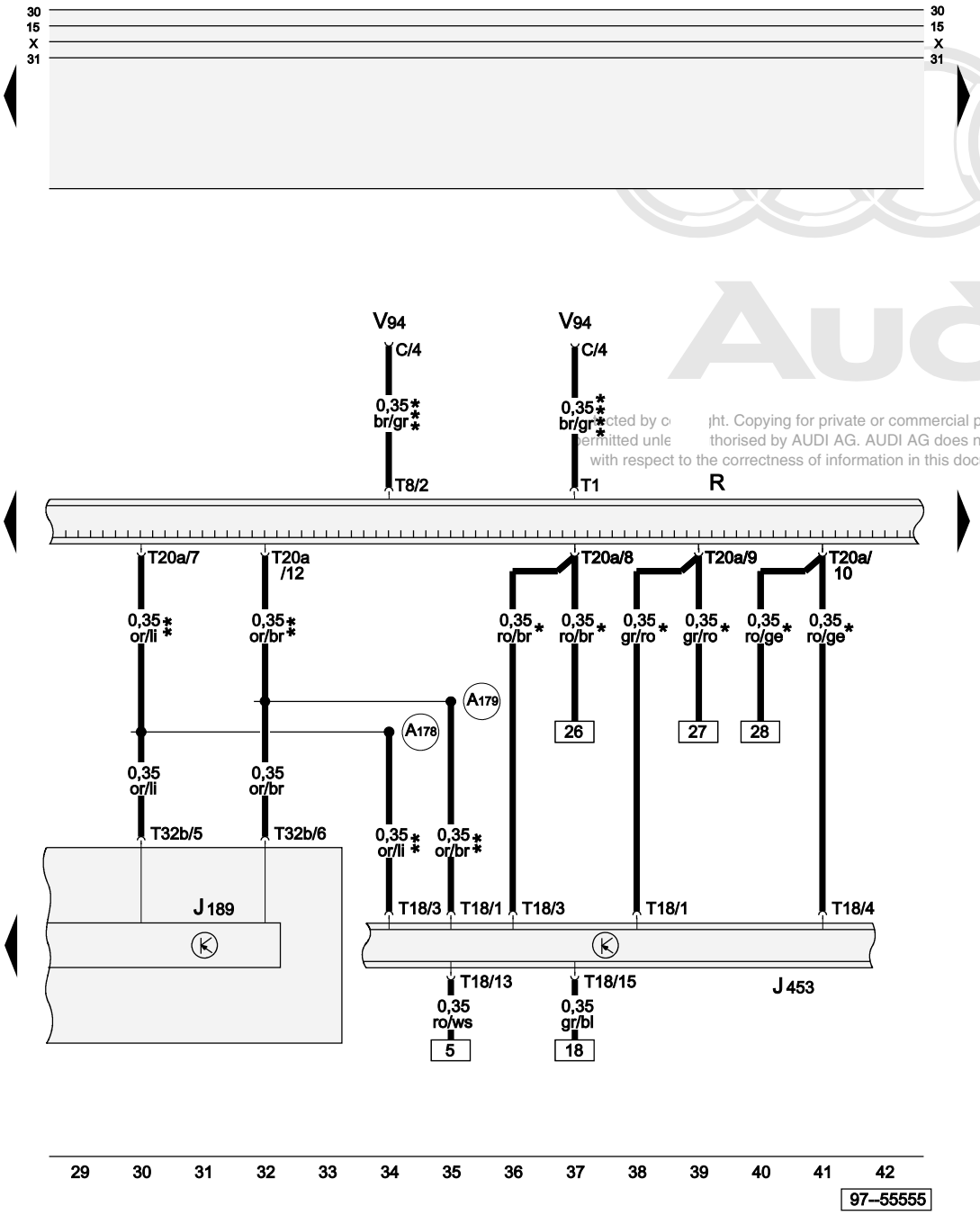


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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Auto-check system, combi-processor in dash panel insert

J189	Auto-check system
J218	Combi-processor in dash panel insert
R	Radio
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T20a	20-pin connector, black, on radio
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
T32b	32-pin connector, grey, on dash panel insert
A76	Connection (diagnosis wire K), in dash panel wiring harness
A146	Connection (convenience CAN bus, high), in dash panel wiring harness
A147	Connection (convenience CAN bus, low), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Provision for radio only
**	As of model year 2002 no longer fitted
***	From model year 2002 onwards, only applies to models without driver information system

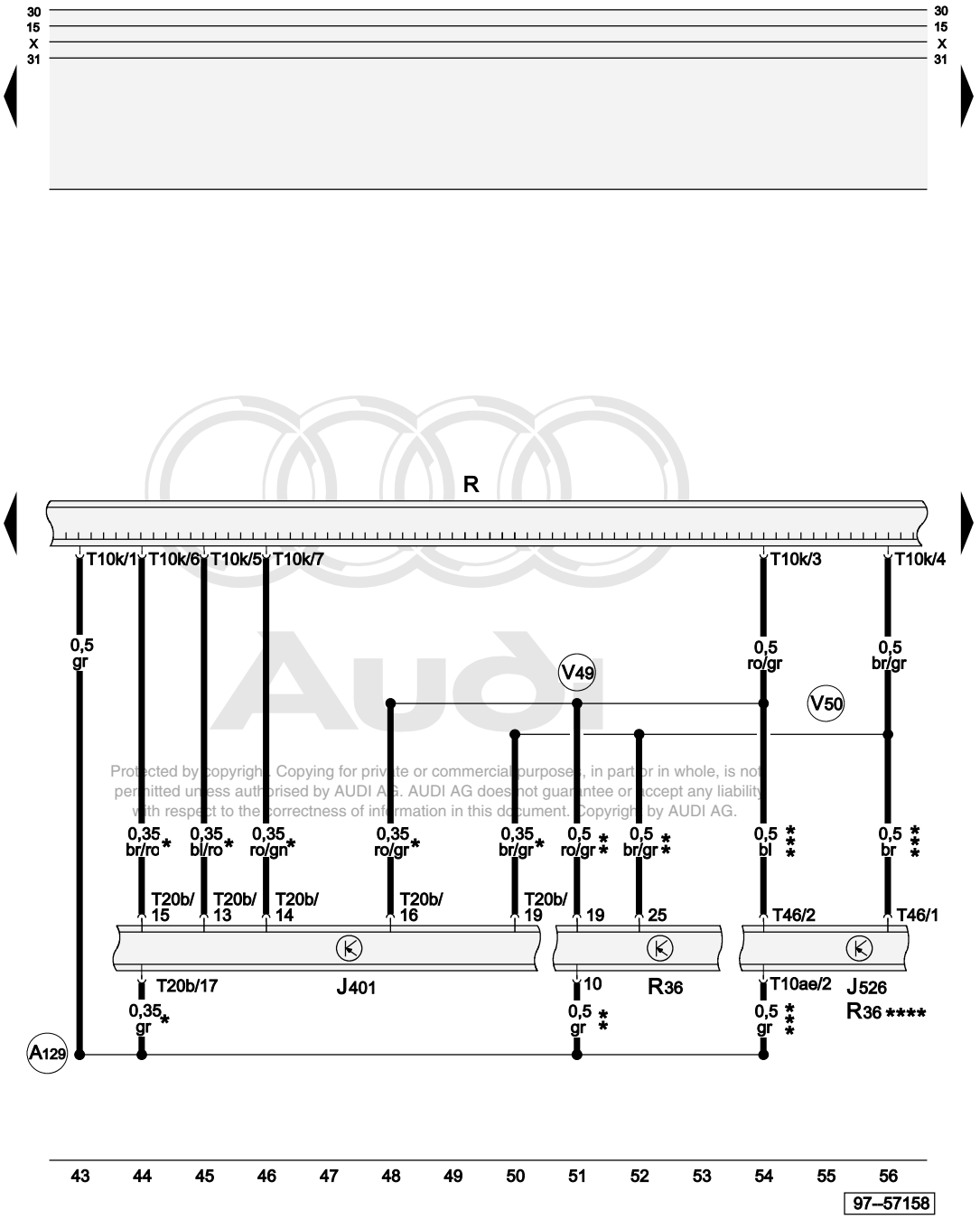


Auto-check system and multi-function steering wheel

J189	Auto-check system
J453	Multi-function steering wheel control unit
R	Radio
T1	Single connector, brown, on radio
T8	8-pin connector, on radio
T18	18-pin connector, on multi-function steering wheel control unit
T20a	20-pin connector, black, on radio
T32b	32-pin connector, grey, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
*	As of model year 2002 no longer fitted
**	With multi-function steering wheel, only applies to radio Symphony from model year 2001 onwards
***	Anti-theft alarm system, from November 2001 onwards
****	Anti-theft alarm system, as of November 2001 no longer fitted

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

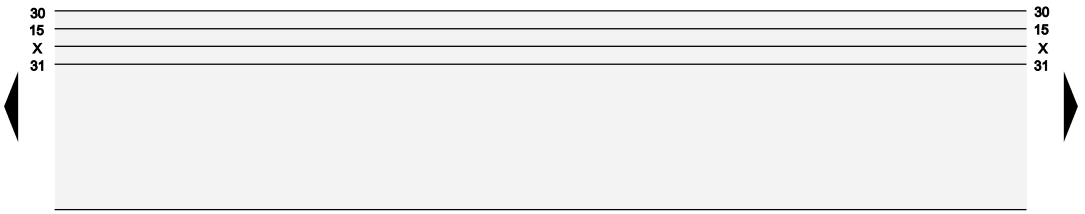


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Radio muting

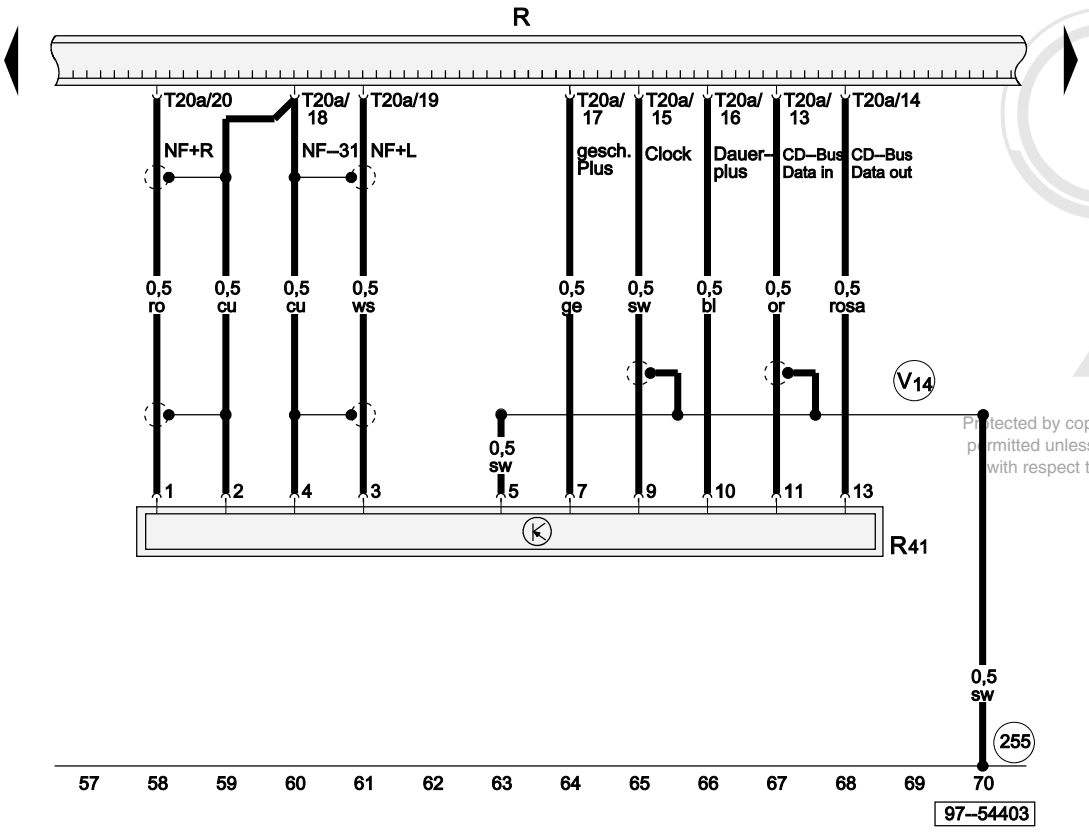
J401	Navigation system with CD drive control unit
J526	Telephone/telematics control unit
R	Radio
R36	Telephone transmitter and receiver unit
T10ae	10-pin connector, on telephone/telematics control unit
T10k	10-pin connector, red, on radio
T20b	20-pin connector, black, on navigation control unit
T46	46-pin connector, on telephone/telematics control unit
A129	Connection (muting), in dash panel wiring harness
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF -), in communication wiring harness
*	Models with navigation system 'NS Low'
**	Models with telephone, as of model year 2002 no longer fitted
***	Models with telephone/telematics
****	Models with telephone, from model year 2002 onwards

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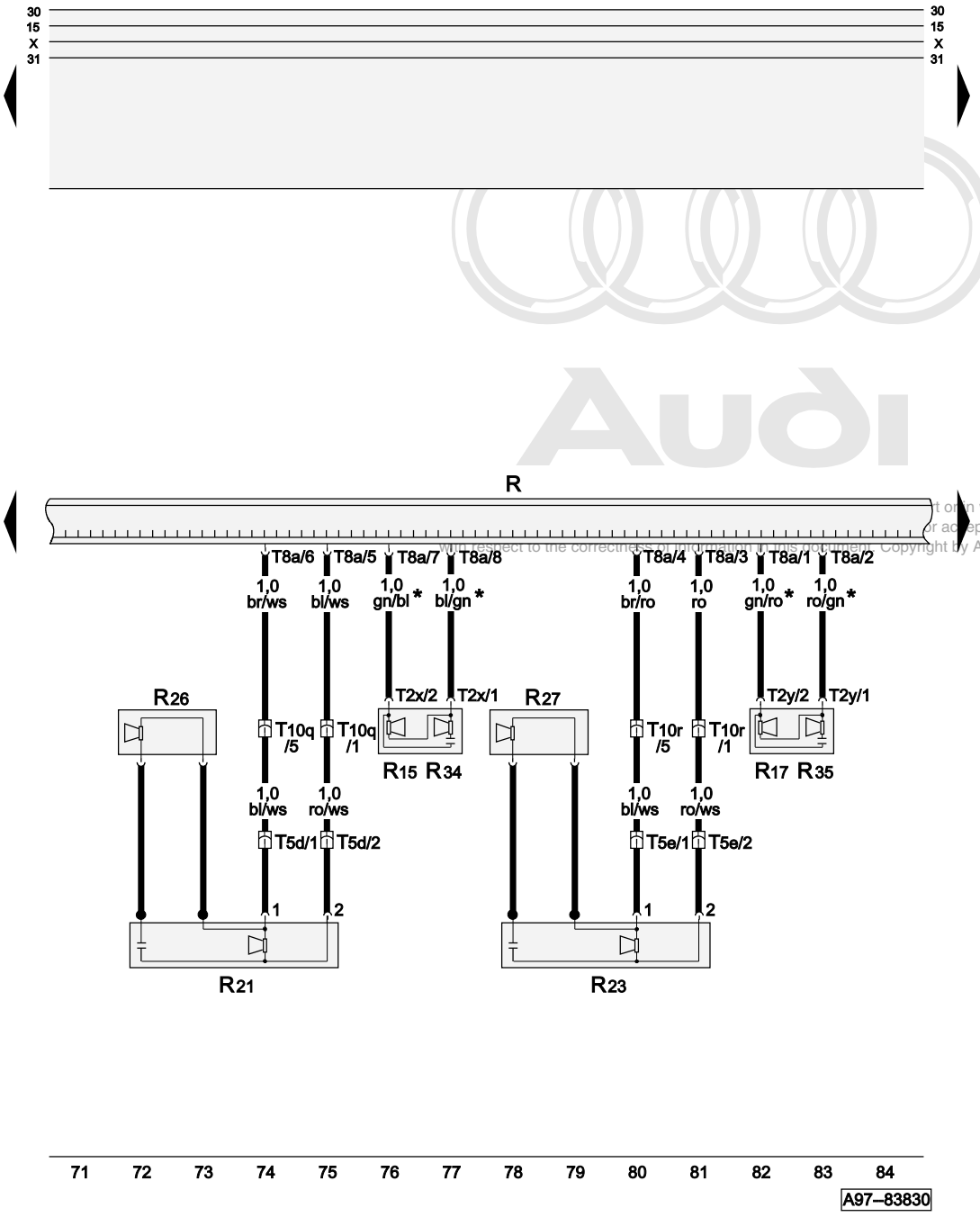
CD changer

R	Radio
R41	CD changer
T20a	20-pin connector, black, on radio
255	Earth connection -1-, in radio wiring harness
V14	Connection (screening), in CD changer wiring harness



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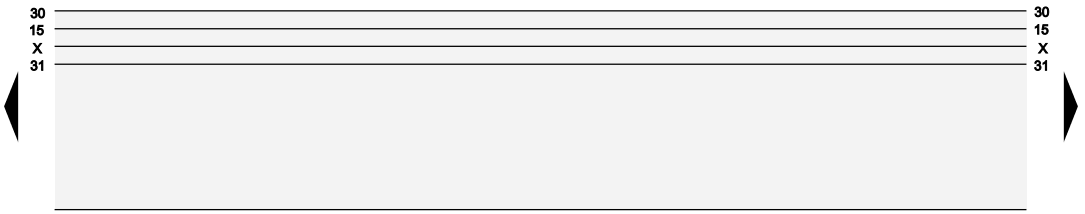


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Front and rear loudspeakers

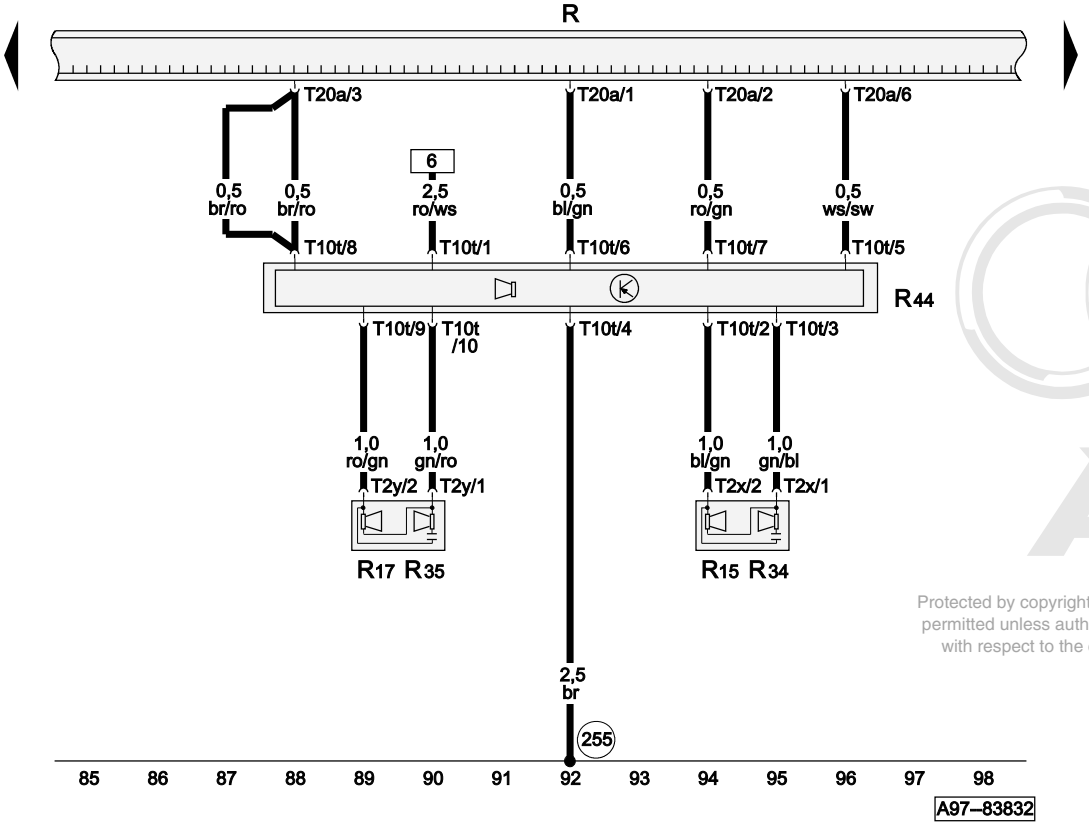
R	Radio
R15	Bass loudspeaker, rear left
R17	Bass loudspeaker, rear right
R21	Bass loudspeaker, front left
R23	Bass loudspeaker, front right
R26	Middle-high tone loudspeaker, front left
R27	Middle-high tone loudspeaker, front right
R34	Middle-treble tone loudspeaker, rear left
R35	Middle-treble tone loudspeaker, rear right
T2x	2-pin connector, black, on loudspeaker, rear left
T2y	2-pin connector, black, on loudspeaker, rear right
T5d	5-pin connector, black, in driver's door
T5e	5-pin connector, black, in front passenger's door
T8a	8-pin connector, brown, on radio
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right
*	Only applies to passive loudspeakers

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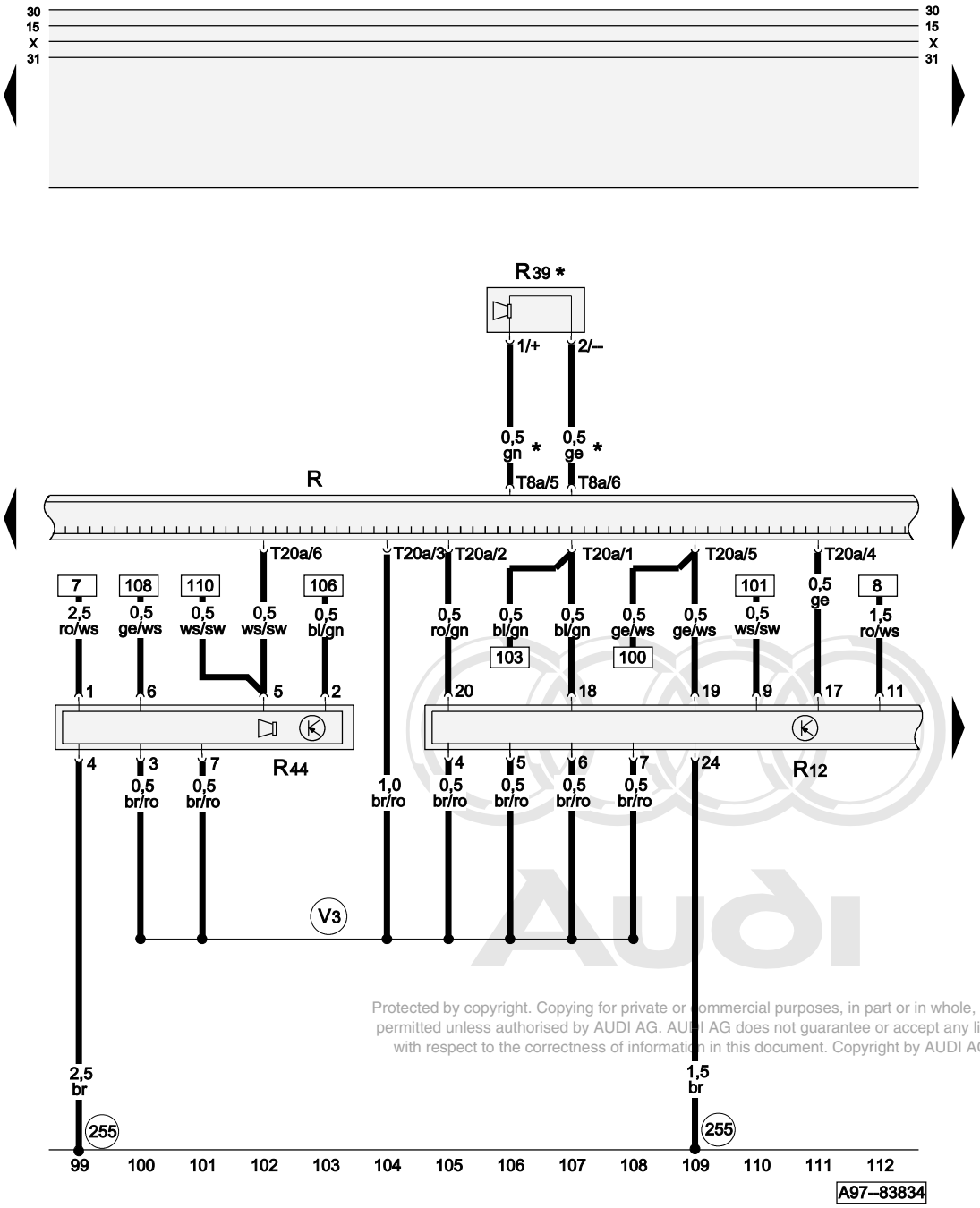
Rear active loudspeakers

R	Radio
R15	Bass loudspeaker, rear left
R17	Bass loudspeaker, rear right
R34	Middle-treble tone loudspeaker, rear left
R35	Middle-treble tone loudspeaker, rear right
R44	Amplifier with bass loudspeaker (luggage compartment, left)
T2x	2-pin connector, black, on loudspeaker, rear left
T2y	2-pin connector, black, on loudspeaker, rear right
T10t	10-pin connector, red, in luggage compartment, left
255	Earth connection -1-, in radio wiring harness



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rs = pink

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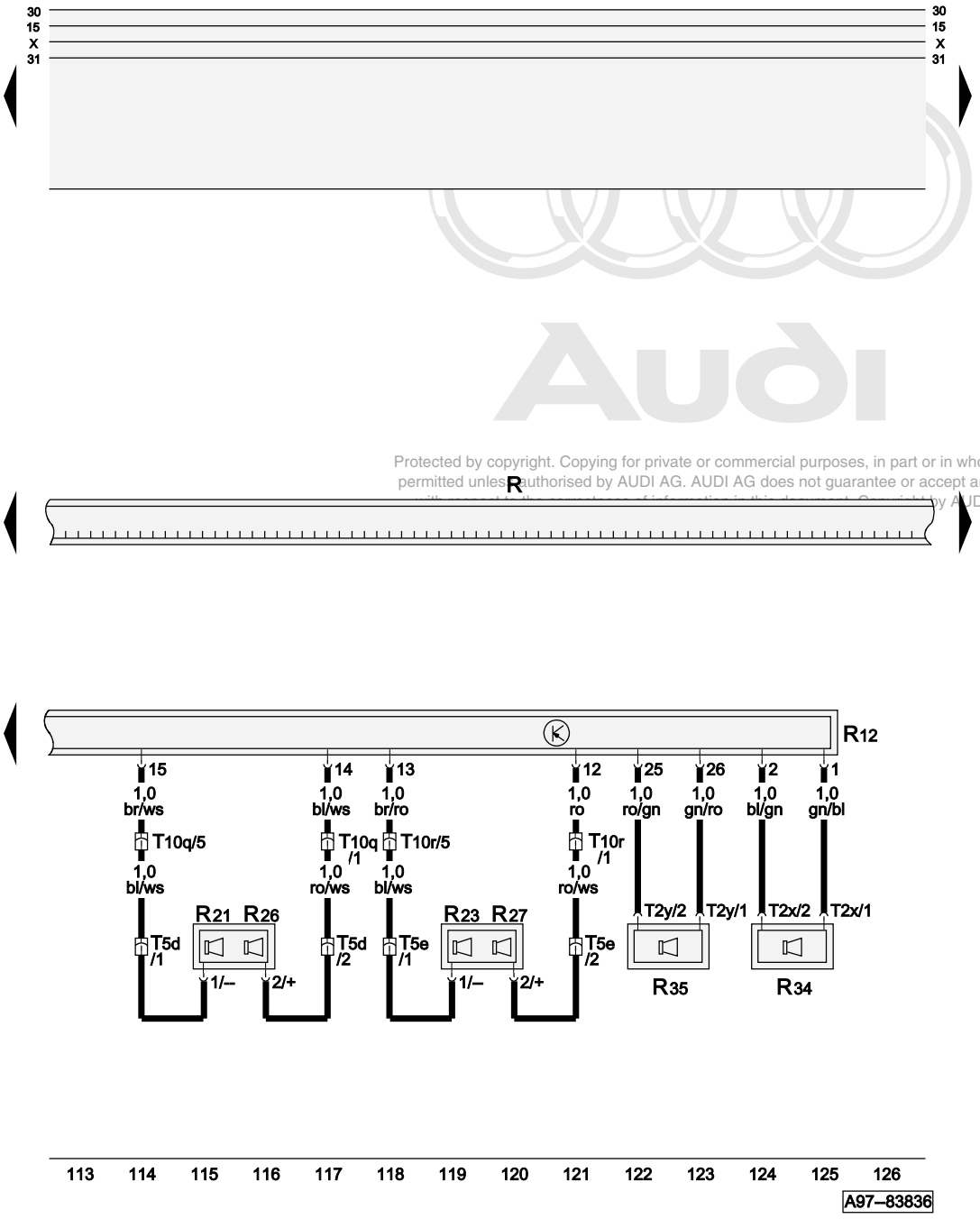


Amplifier, bass loudspeaker on models with Bose sound system

R	Radio
R12	Amplifier
R39	Telephone/navigation systems loudspeaker
R44	Amplifier with bass loudspeaker (luggage compartment, left)
T8a	8-pin connector, brown, on radio
T20a	20-pin connector, black, on radio
255	Earth connection -1-, in radio wiring harness
V3	Connection (low frequency, NF), in rear loudspeaker wiring harness
*	Only applies to Bose sound system with telephone, as of November 2001 no longer fitted

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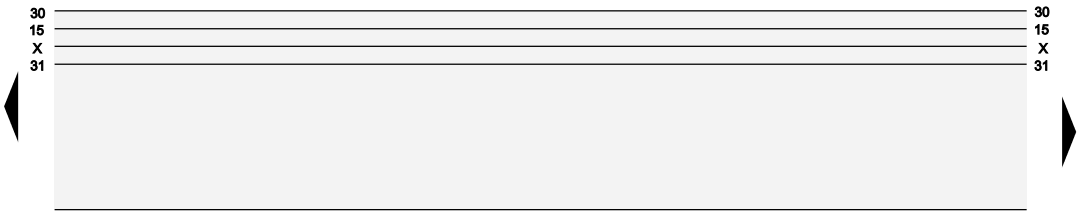


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Amplifier on models with Bose sound system

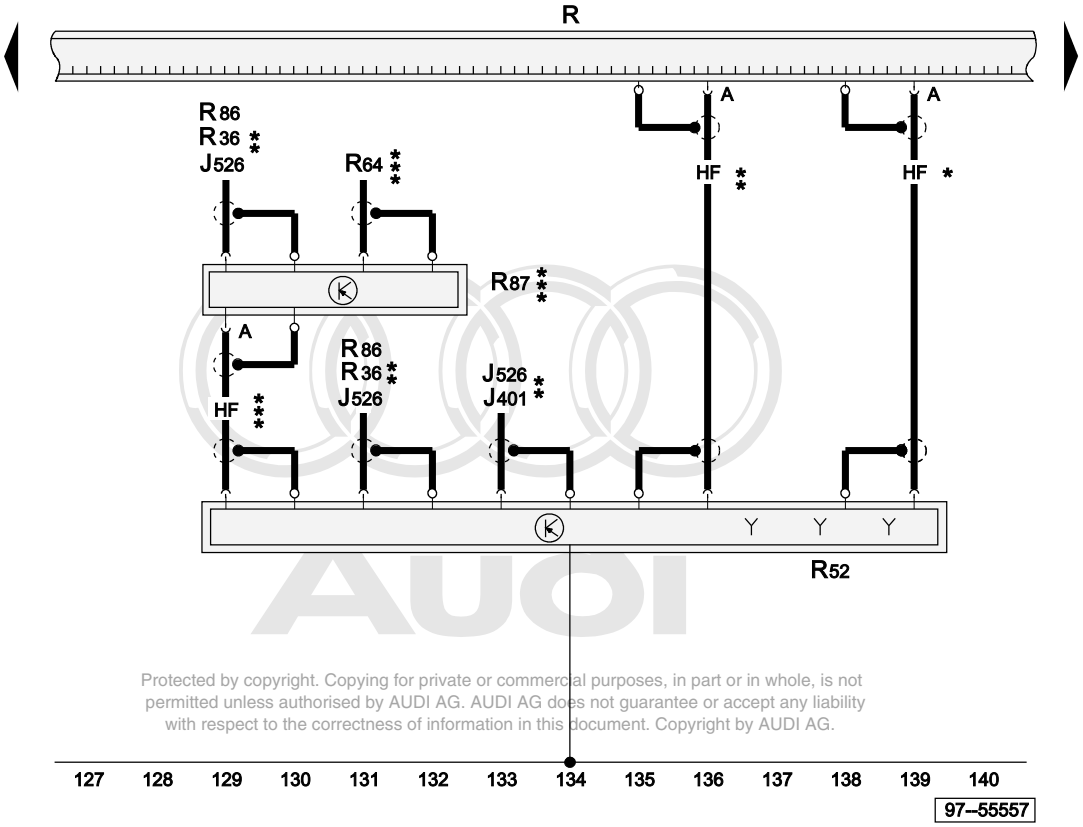
R	Radio
R12	Amplifier
R21	Bass loudspeaker, front left
R23	Bass loudspeaker, front right
R26	Middle-high tone loudspeaker, front left
R27	Middle-high tone loudspeaker, front right
R34	Middle-treble tone loudspeaker, rear left
R35	Middle-treble tone loudspeaker, rear right
T2x	2-pin connector, black, on loudspeaker, rear left
T2y	2-pin connector, black, on loudspeaker, rear right
T5d	5-pin connector, black, in driver's door
T5e	5-pin connector, black, in front passenger's door
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right

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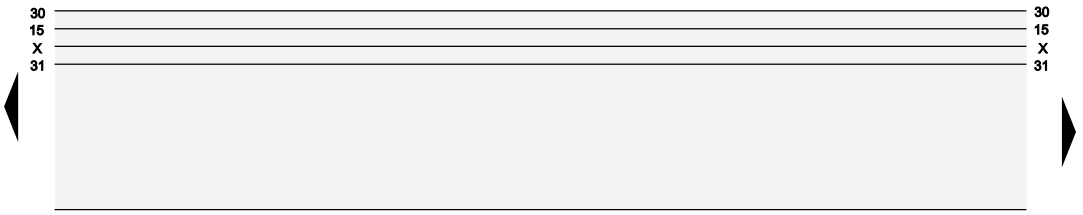
Roof aerial connection for radio Chorus, Concert, Symphony, on models with and without telephone, telematics or navigation system and auxiliary heater

J401	Navigation system with CD drive control unit
J526	Telephone/telematics control unit
R	Radio
R36	Telephone transmitter and receiver unit
R52	Radio/telephone/navigation aerial (GPS)
R86	Aerial amplifier, mobile telephone
R64	Auxiliary heating radio wave receiver
R87	Aerial filter
*	Applies to radio systems on models without telephone, telematics and auxiliary heater
**	Applies to radio systems on models with telephone, telematics or navigation system
***	Only models additionally equipped with auxiliary heater



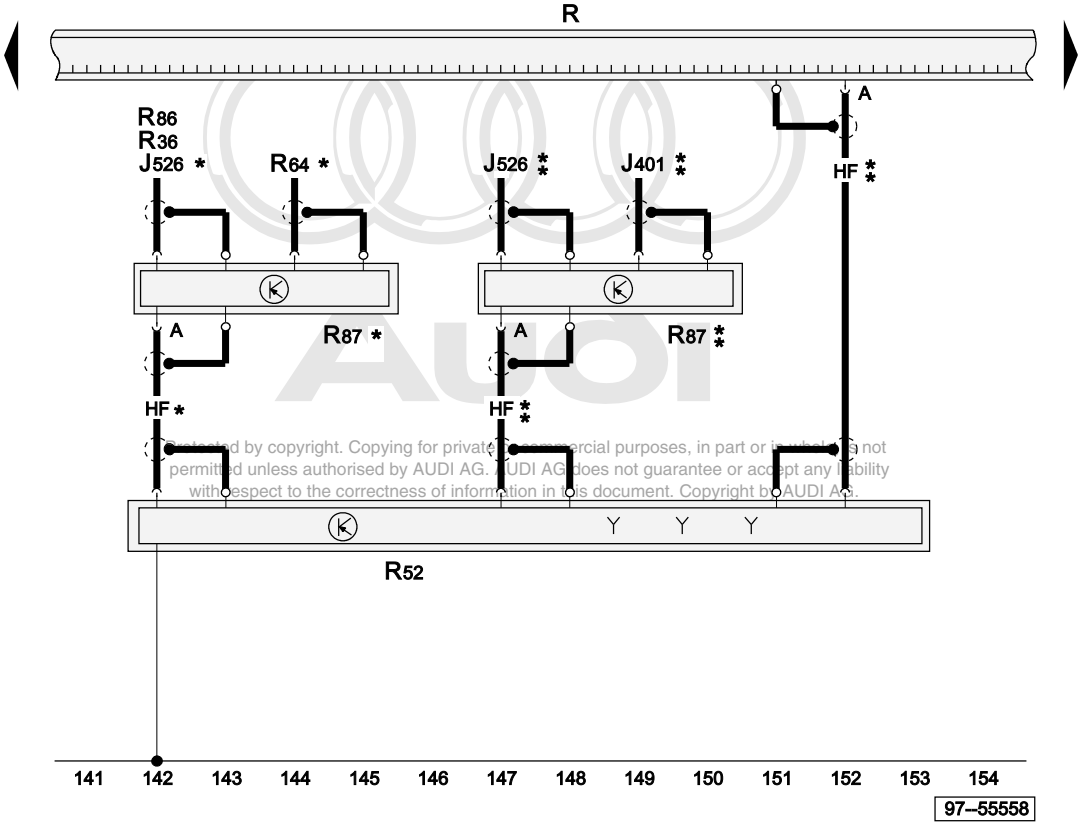
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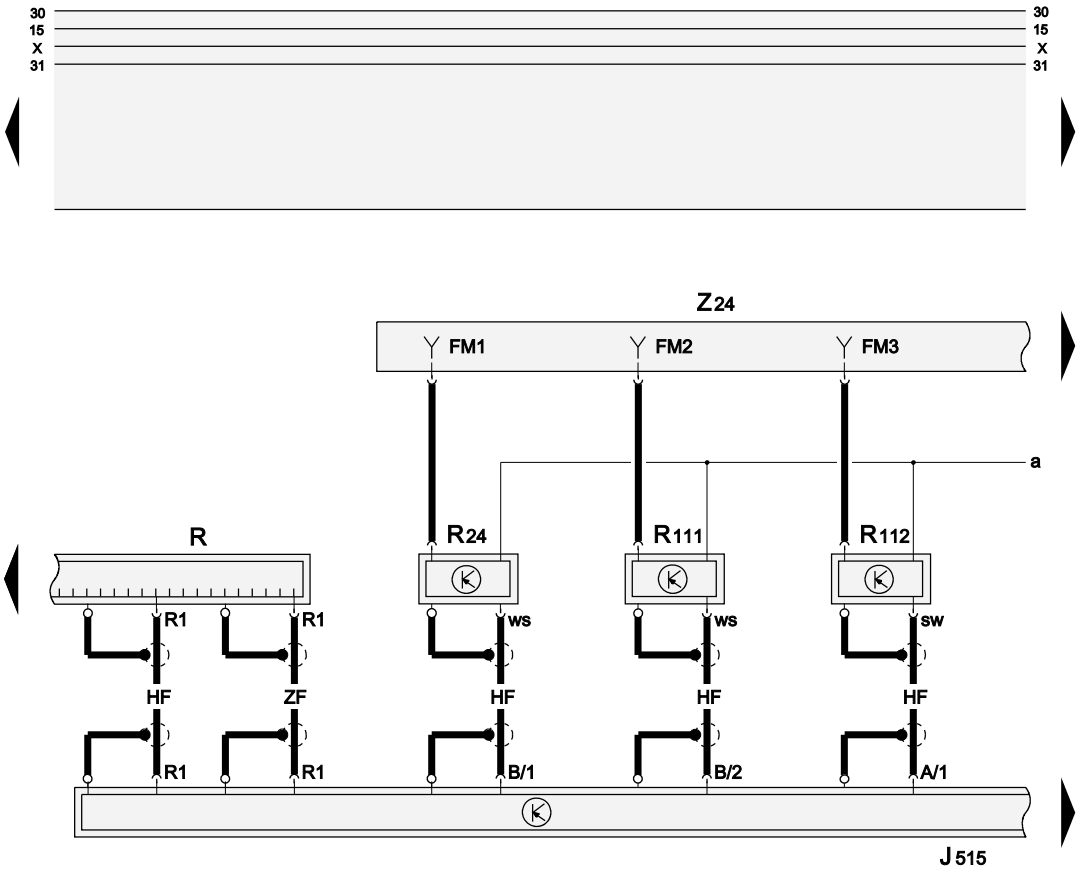
Roof aerial connection for radio Chorus, Concert, Symphony, on models with auxiliary heater and telephone, telematics and navigation system

J401	Navigation system with CD drive control unit
J526	Telephone/telematics control unit
R	Radio
R36	Telephone transmitter and receiver unit
R52	Radio/telephone/navigation aerial (GPS)
R64	Auxiliary heating radio wave receiver
R86	Aerial amplifier, mobile telephone
R87	Aerial filter
*	Only models additionally equipped with auxiliary heater
**	Applies to radio systems on models with telephone, telematics and navigation system



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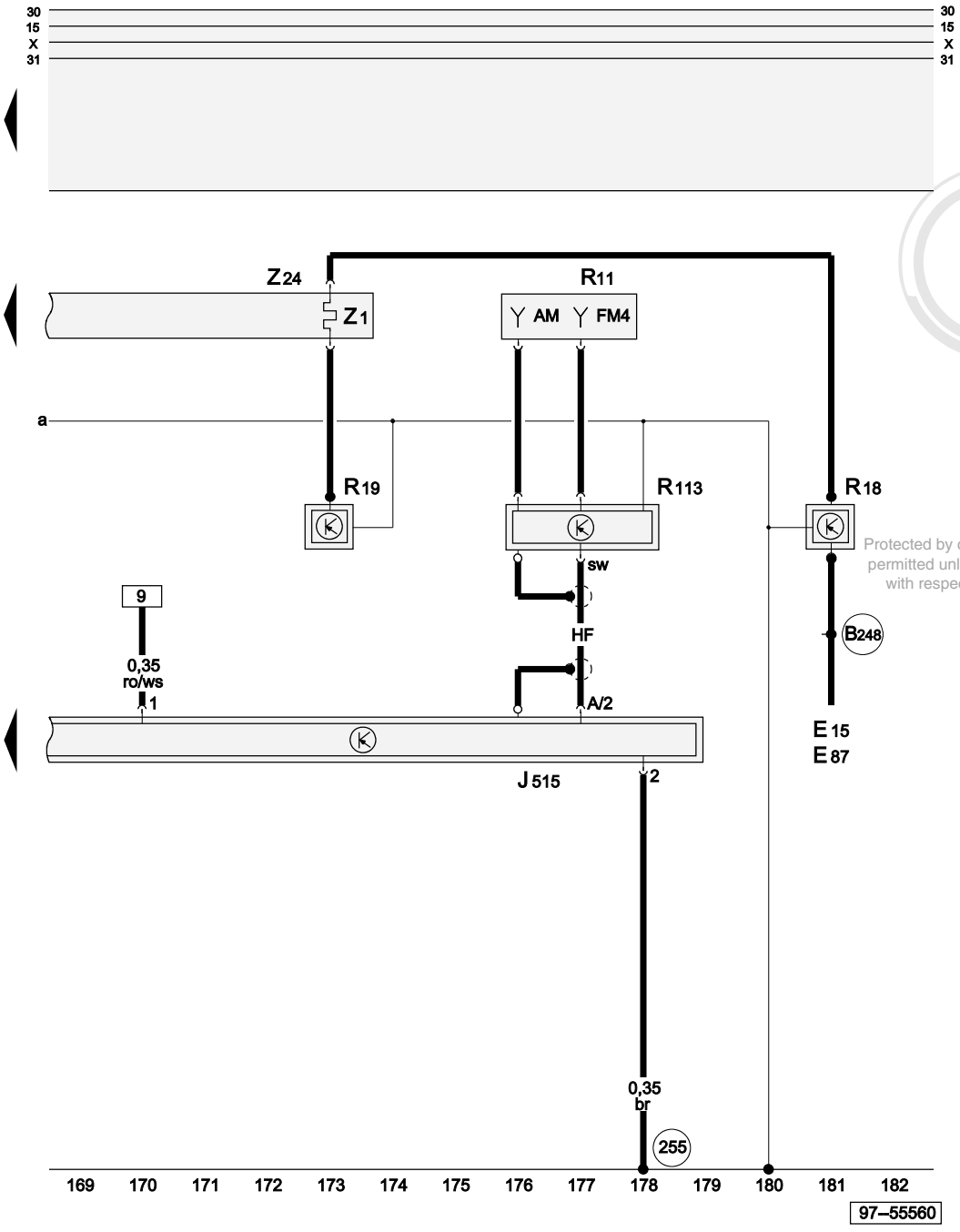


Aerials for radio Concert, Symphony with rear window aerials and aerial selection control unit

J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R24	Aerial amplifier
R111	Aerial amplifier -2-
R112	Aerial amplifier -3-
Z24	Heated rear window with window aerial

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Aerials for radio Concert, Symphony with roof aerial and aerial selection control unit

J515	Aerial selection control unit
R11	Aerial
R18	Frequency switch, left
R19	Frequency switch, right
R113	Aerial amplifier -4-
E15	Heated rear window switch
E87	Control and display unit for air conditioner/Climatronic
Z1	Heated rear window
Z24	Heated rear window with window aerial
255	Earth connection -1-, in radio wiring harness
B248	Connection -2- (heated rear window), in interior wiring harness

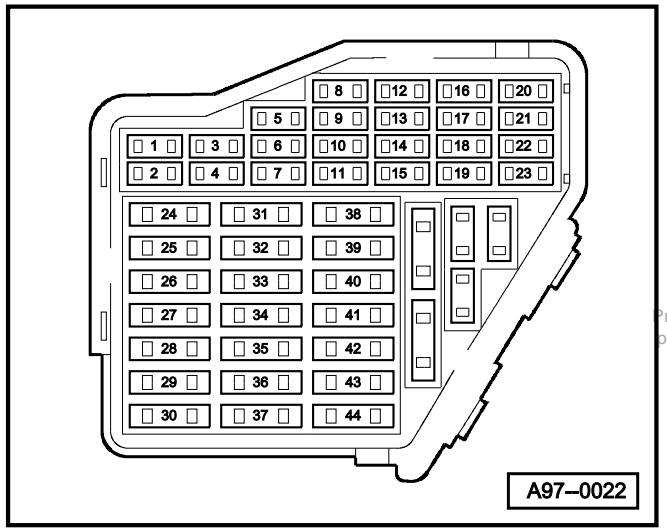
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5-speed automatic gearbox with Tiptronic (09A)

From model year 2001

Fuse box



♦ Dash panel, driver's side

Fuse colours

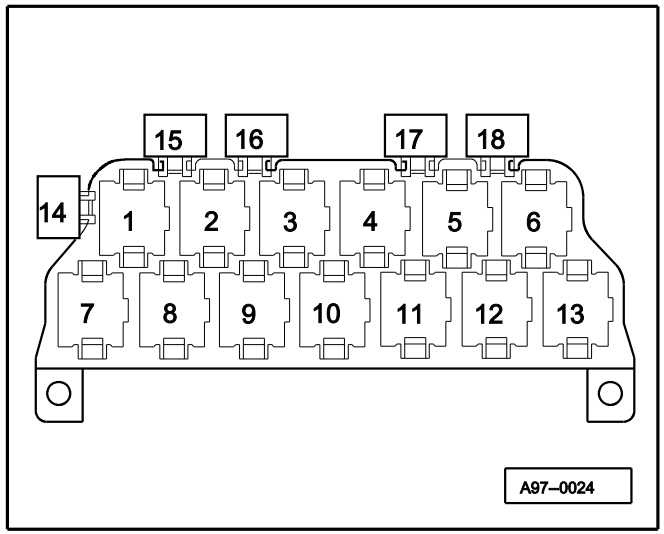
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

♦ *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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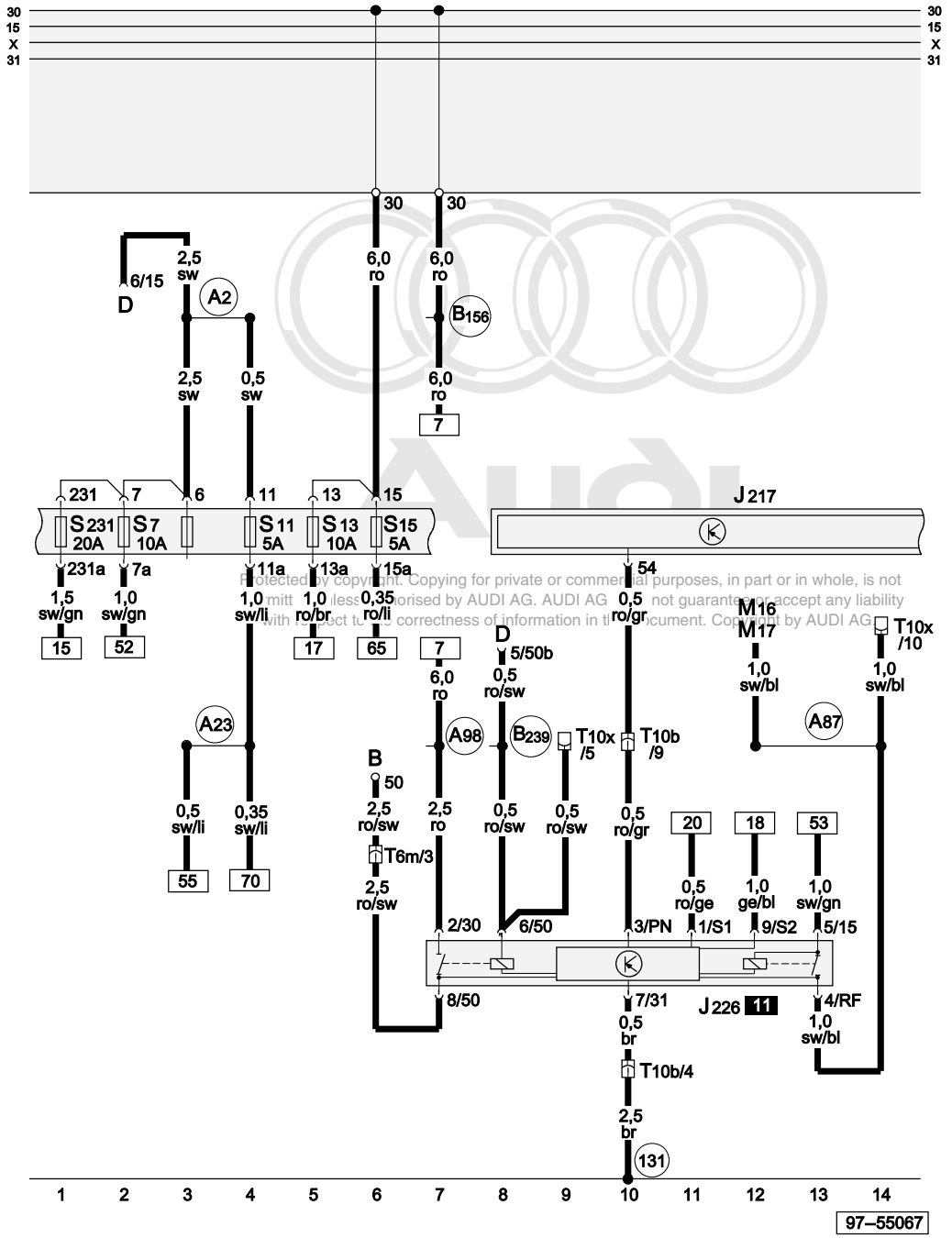
13-point relay carrier



- Above micro-central electrics, under driver's storage compartment

11 - Starter inhibitor and reversing light relay (J226)

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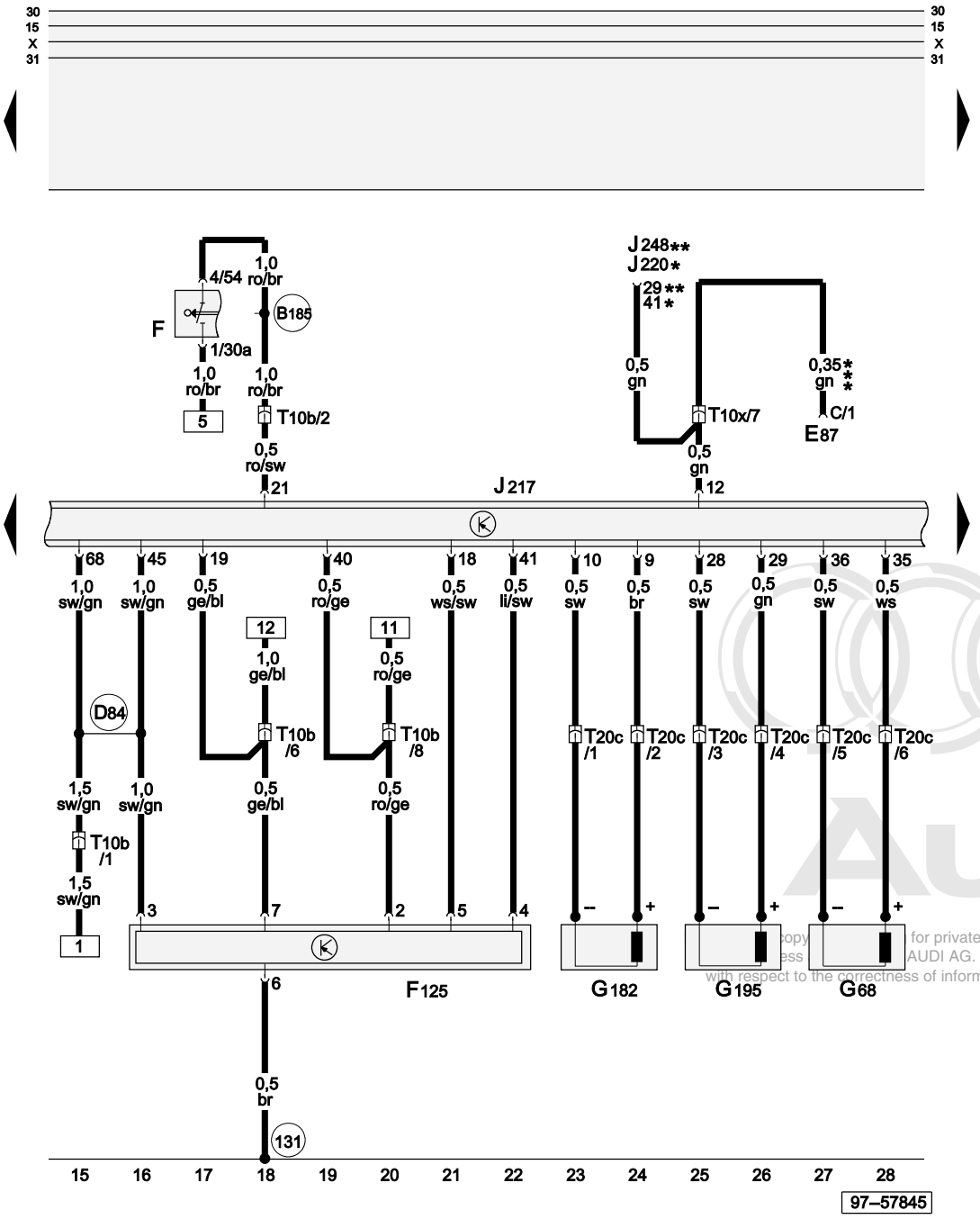


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Fuse box, automatic gearbox control unit, starter inhibitor and reversing light relay

B	Starter
D	Ignition/starter switch
J217	Automatic gearbox control unit
J226	Starter inhibitor and reversing light relay
M16	Reversing light bulb, left
M17	Reversing light bulb, right
S7	Fuse in fuse box/relay plate
S11	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S15	Fuse in fuse box/relay plate
S231	Fuse in fuse box
T6m	6-pin connector, brown, engine compartment, in plenum chamber
T10b	10-pin connector, grey, in plenum chamber
T10x	10-pin connector, orange, engine compartment, in plenum chamber
131	Earth connection -2-, in engine compartment wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A87	Connection (RF (reversing light)), in dash panel wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
B239	Positive (+) connection -1- (50), in interior wiring harness

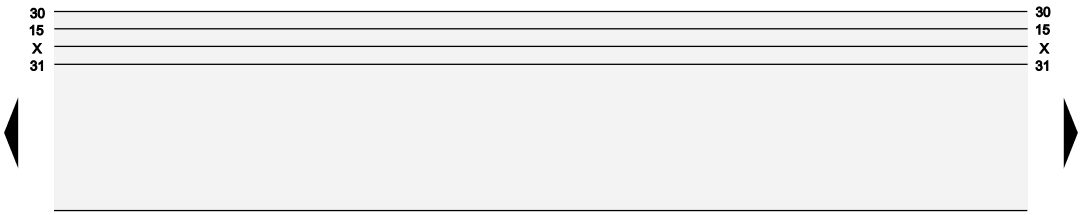


Automatic gearbox control unit, multi-function switch, gearbox speed senders

E87	Control and display unit for air conditioner/Climatronic
F	Brake light switch
F125	Multi-function switch
G68	Vehicle speed sender (inductive sender, 2 connections)
G182	Gearbox input speed sender
G195	Gearbox output speed sender
J217	Automatic gearbox control unit
J220	Motronic control unit
J248	Diesel direct injection system control unit
T10b	10-pin connector, grey, in plenum chamber
T10x	10-pin connector, orange, engine compartment, in plenum chamber
T20c	20-pin connector, in engine compartment, on gearbox
131	Earth connection -2-, in engine compartment wiring harness
B185	Connection -2- (54), in interior wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
*	Only applies to petrol engines (AUM, AUQ)
**	Only applies to diesel engines (ATD, ASZ)
***	Models with air conditioner

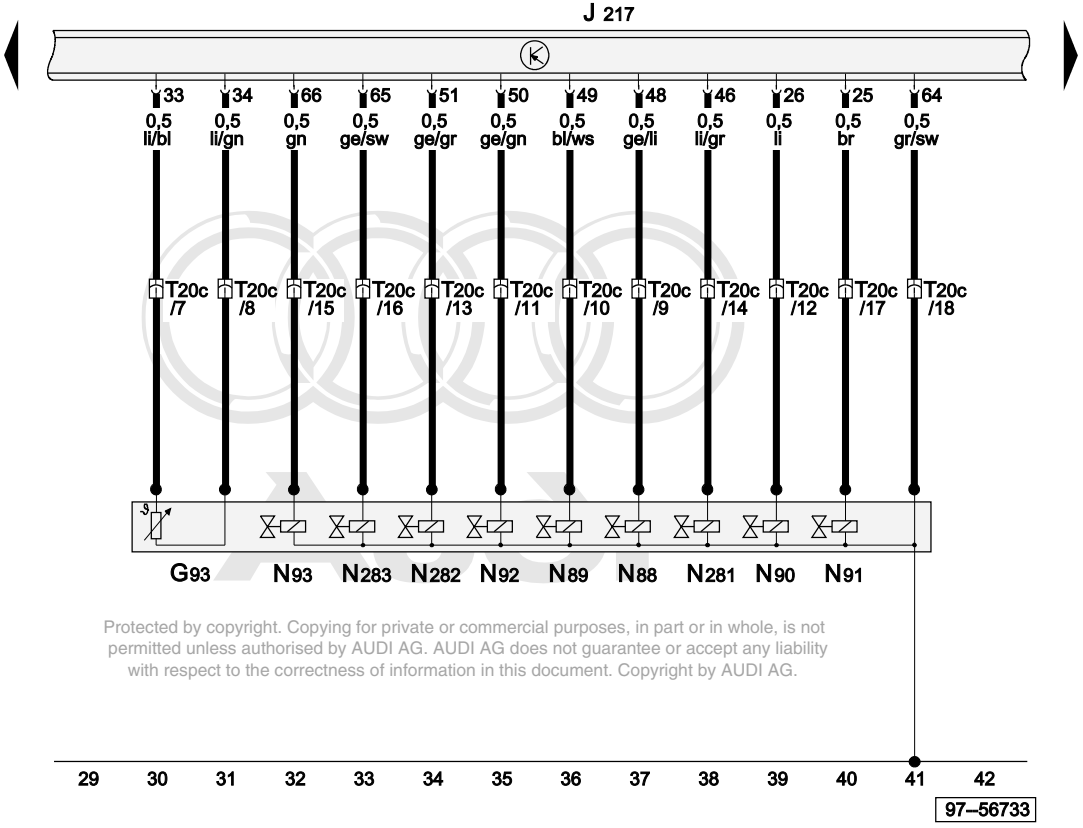
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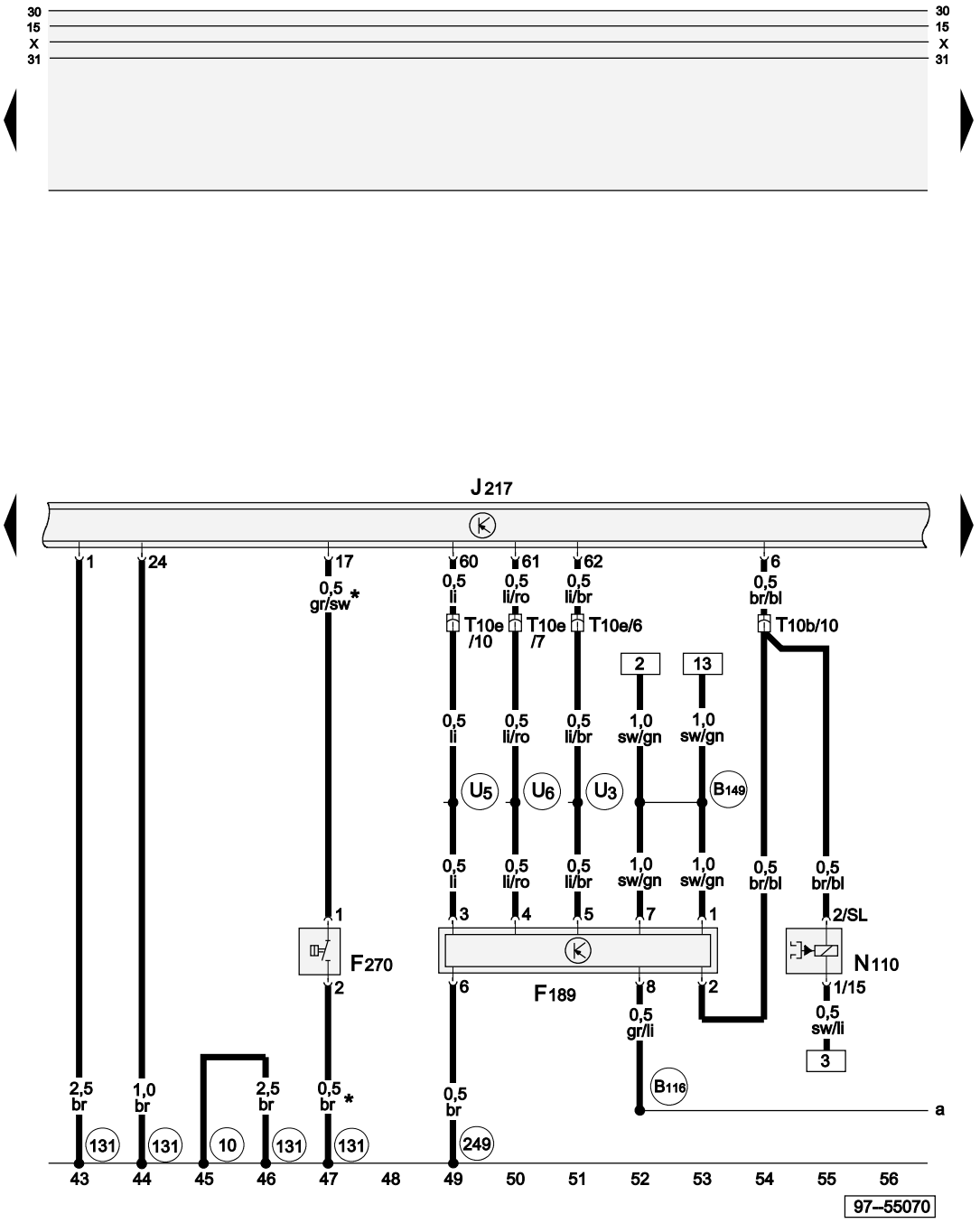
Automatic gearbox control unit, gearbox oil temperature sender, solenoid valves

J217	Automatic gearbox control unit
G93	Gearbox oil temperature sender
N88	Solenoid valve 1
N89	Solenoid valve 2
N90	Solenoid valve 3
N91	Solenoid valve 4
N92	Solenoid valve 5
N93	Solenoid valve 6
N281	Solenoid valve 8
N282	Solenoid valve 9
N283	Solenoid valve 10
T20c	20-pin connector, in engine compartment, on gearbox



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Automatic gearbox control unit, brake pressure switch, Tiptronic switch, selector lever lock solenoid

F189 Tiptronic switch
F270 Brake pressure switch
J217 Automatic gearbox control unit
N110 Selector lever lock solenoid
T10b 10-pin connector, grey, in plenum chamber
T10e 10-pin connector, black, engine compartment, in plenum chamber

10 Earth point, in plenum chamber

131 Earth connection -2-, in engine compartment wiring harness

249 Earth connection -2-, in interior wiring harness

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B116 Connection (58d), in interior wiring harness

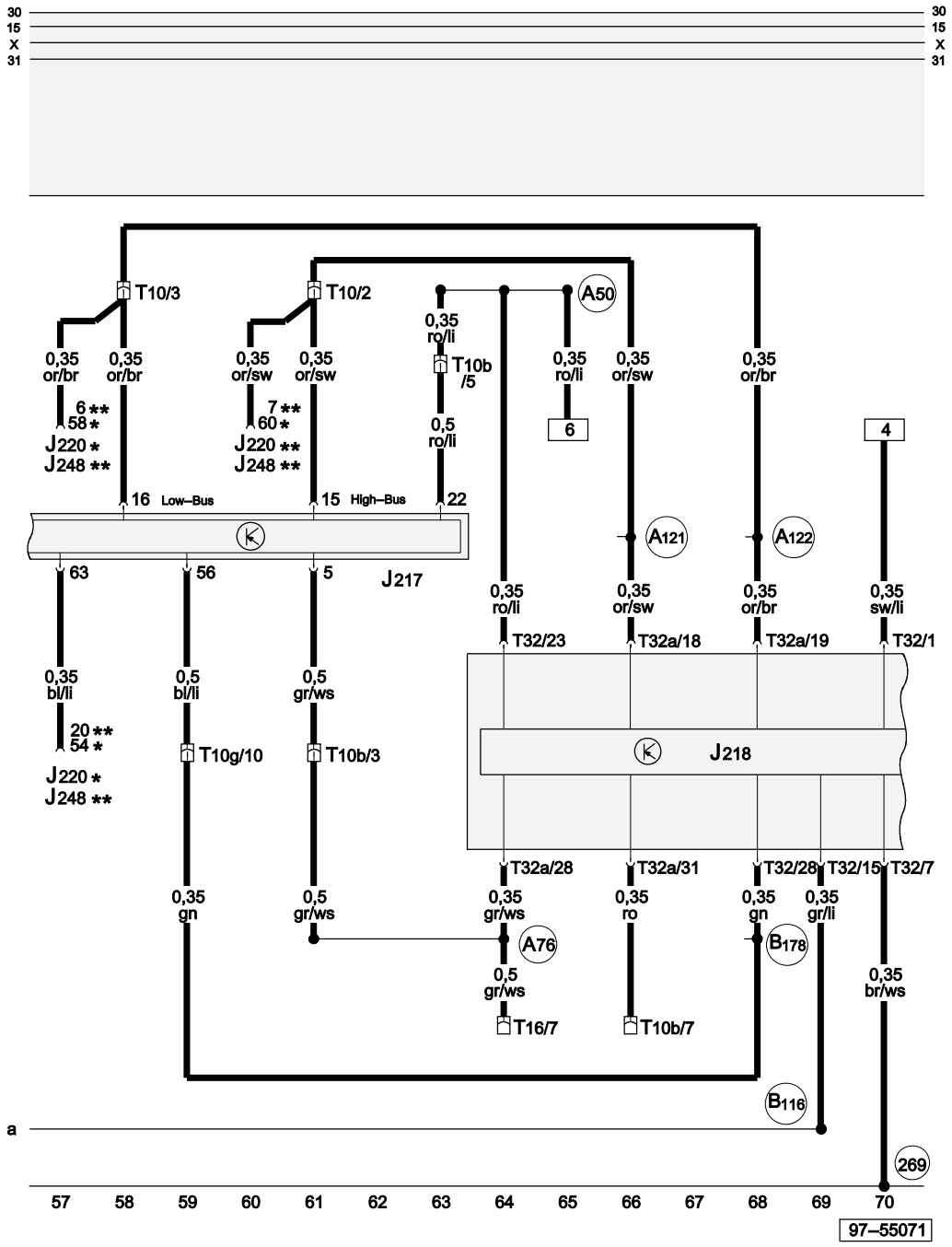
B149 Positive (+) connection -2- (15a), in interior wiring harness

U3 Connection -1-, in automatic gearbox wiring harness

U5 Connection -2- (15), in automatic gearbox wiring harness

U6 Connection -2-, in automatic gearbox wiring harness

* As of model year 2003 no longer fitted, applies to models with engine codes AUM and AUQ



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

Automatic gearbox control unit, combi-processor in dash panel insert

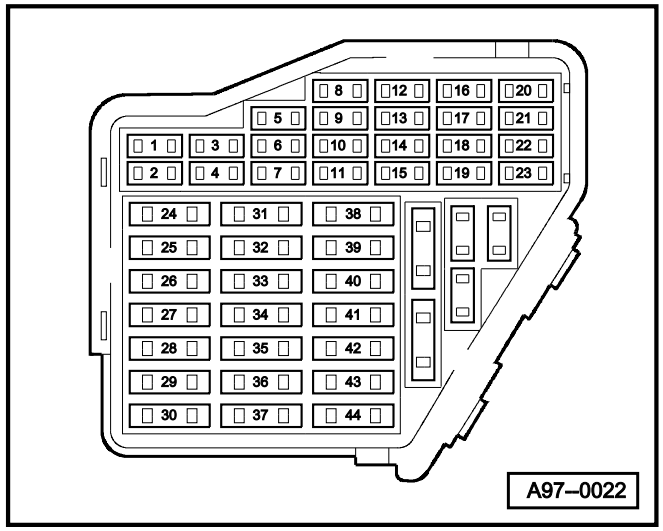
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
J220	Motronic control unit
J248	Diesel direct injection system control unit
T10	10-pin connector, white, engine compartment, in plenum chamber
T10b	10-pin connector, grey, in plenum chamber
T10g	10-pin connector, blue, engine compartment, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A50	Positive (+) connection (30as), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
B178	Connection (speed signal), in interior wiring harness
*	Only applies to petrol engines (AUM, AUQ)
**	Only applies to diesel engines (ATD, ASZ)

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Steering wheel with Tiptronic

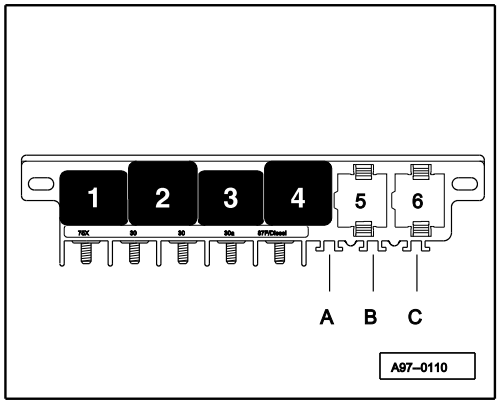
From model year 2001

Fuse box



From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Micro-central electrics



Position of relays:

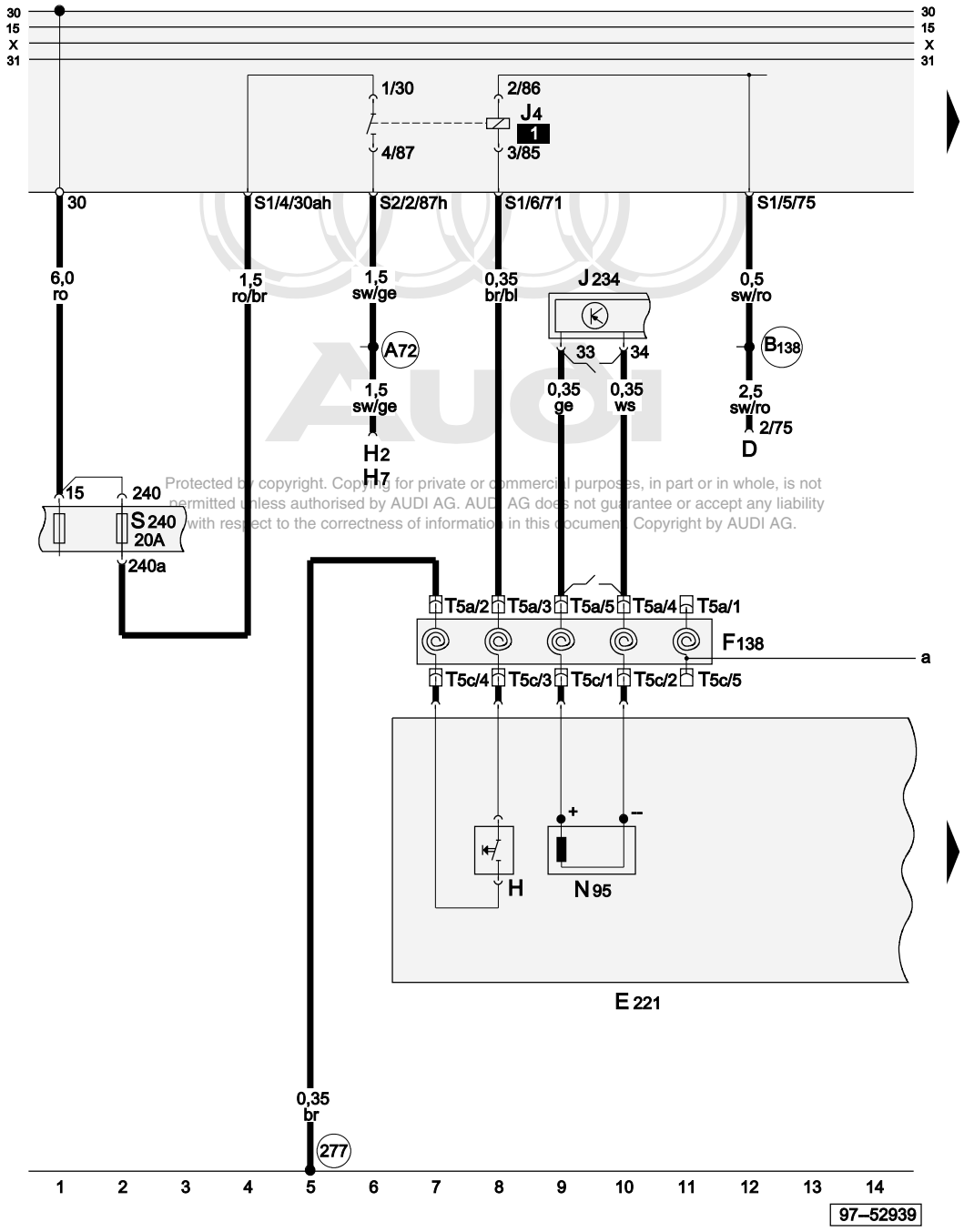
1 - Horn relay

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Fuse colours:

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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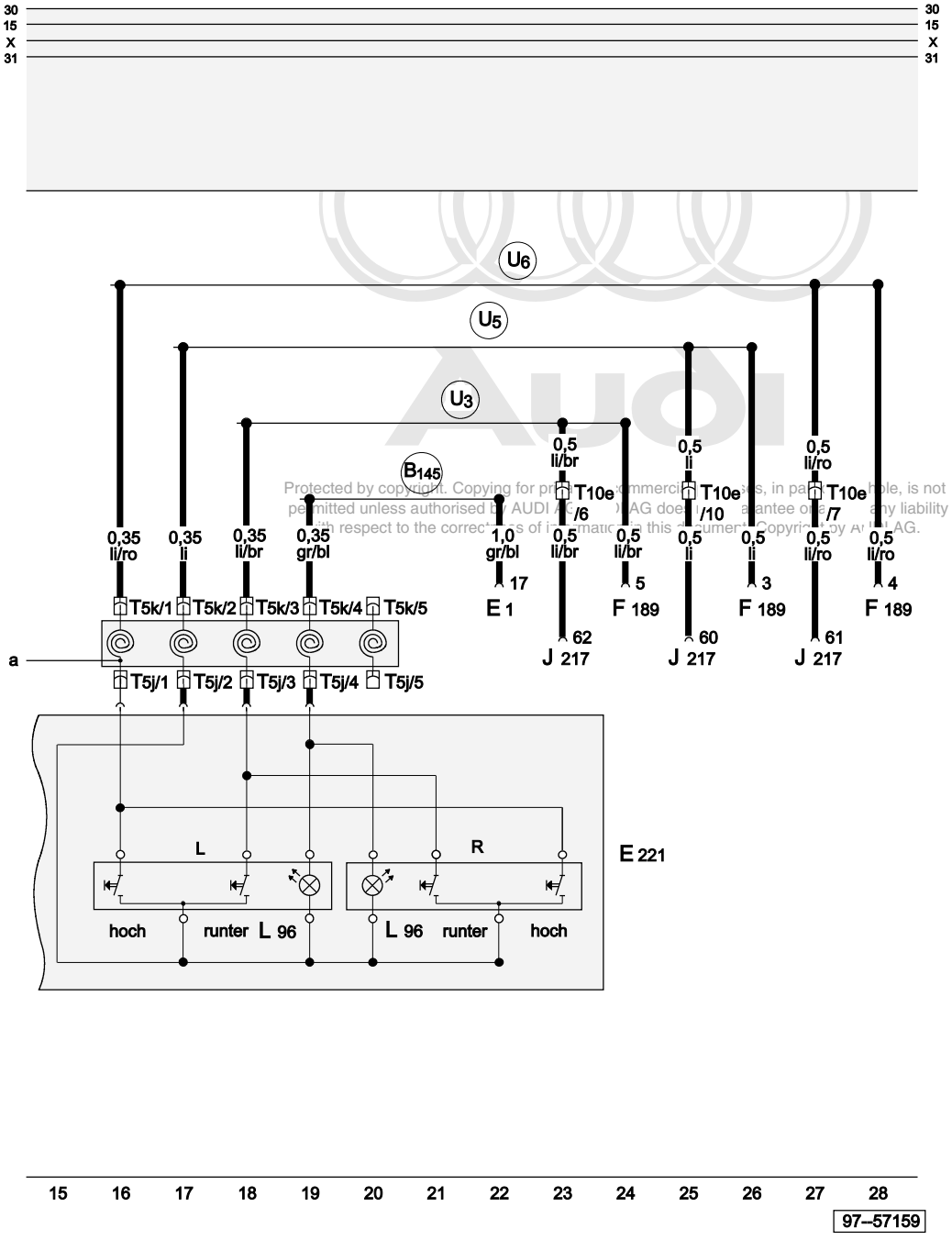


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Fuse box, operating unit in steering wheel, airbag coil connector/return spring with slip ring, horn plate, dual tone horn relay, airbag igniter - driver's side

D	Ignition/starter switch
E221	Operating unit in steering wheel
F138	Airbag coil connector, return spring with slip ring
H	Horn plate
H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
N95	Airbag igniter, driver's side
J234	Airbag control unit
S240	Fuse in fuse box
T5a	5-pin connector, yellow, vehicle interior, at steering column
T5c	5-pin connector, yellow, vehicle interior, at steering column
277	Earth connection -3-, in interior wiring harness
A72	Connection (71), in dash panel wiring harness
B138	Positive (+) connection (X), in interior wiring harness

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



Operating unit in steering wheel, Tiptronic switch, automatic gearbox control unit, +/- display illumination

E1	Lighting switch
E221	Operating unit in steering wheel
F189	Tiptronic switch
J217	Automatic gearbox control unit
L96	+/- Display illumination (automatic gearbox)
T5j	5-pin connector, yellow, vehicle interior, at steering column
T5k	5-pin connector, yellow, vehicle interior, at steering column
T10e	10-pin connector, black, engine compartment, in plenum chamber
B145	Positive (+) connection (58b), in interior wiring harness
U3	Connection -1-, in automatic gearbox wiring harness
U5	Connection -2- (15), in automatic gearbox wiring harness
U6	Connection -2-, in automatic gearbox wiring harness

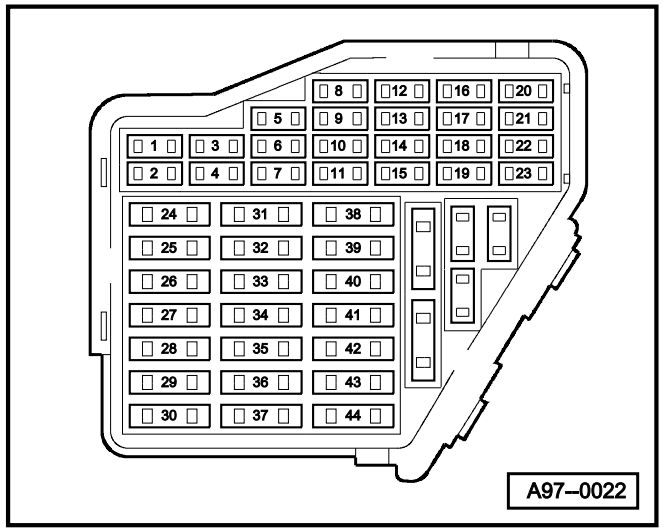
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Multi-function steering wheel

From model year 2001

Fuse box



- Dash panel, driver's side

Fuse colours

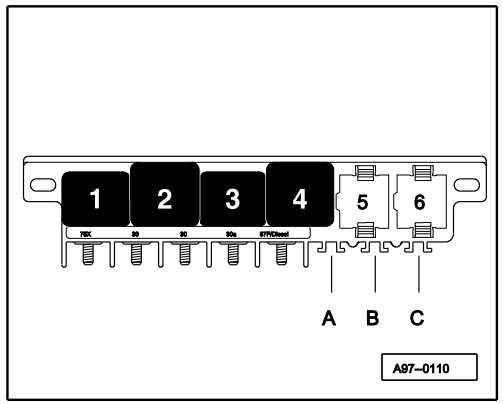
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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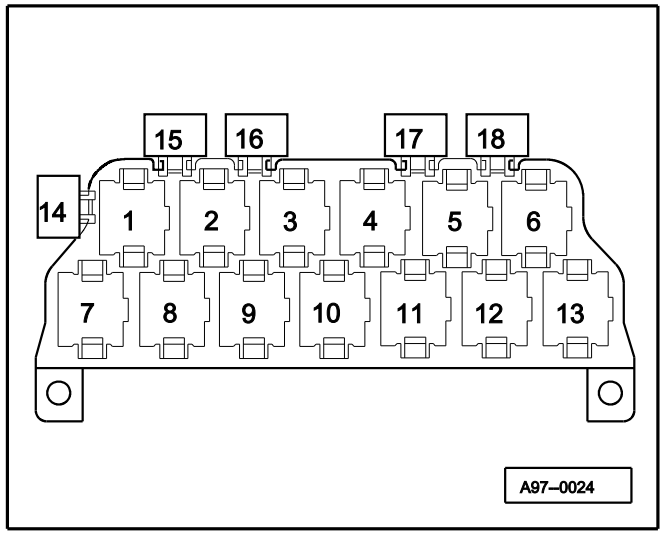
Micro-central electrics



◆ Under driver's storage compartment

1 - Dual tone horn relay (J4)

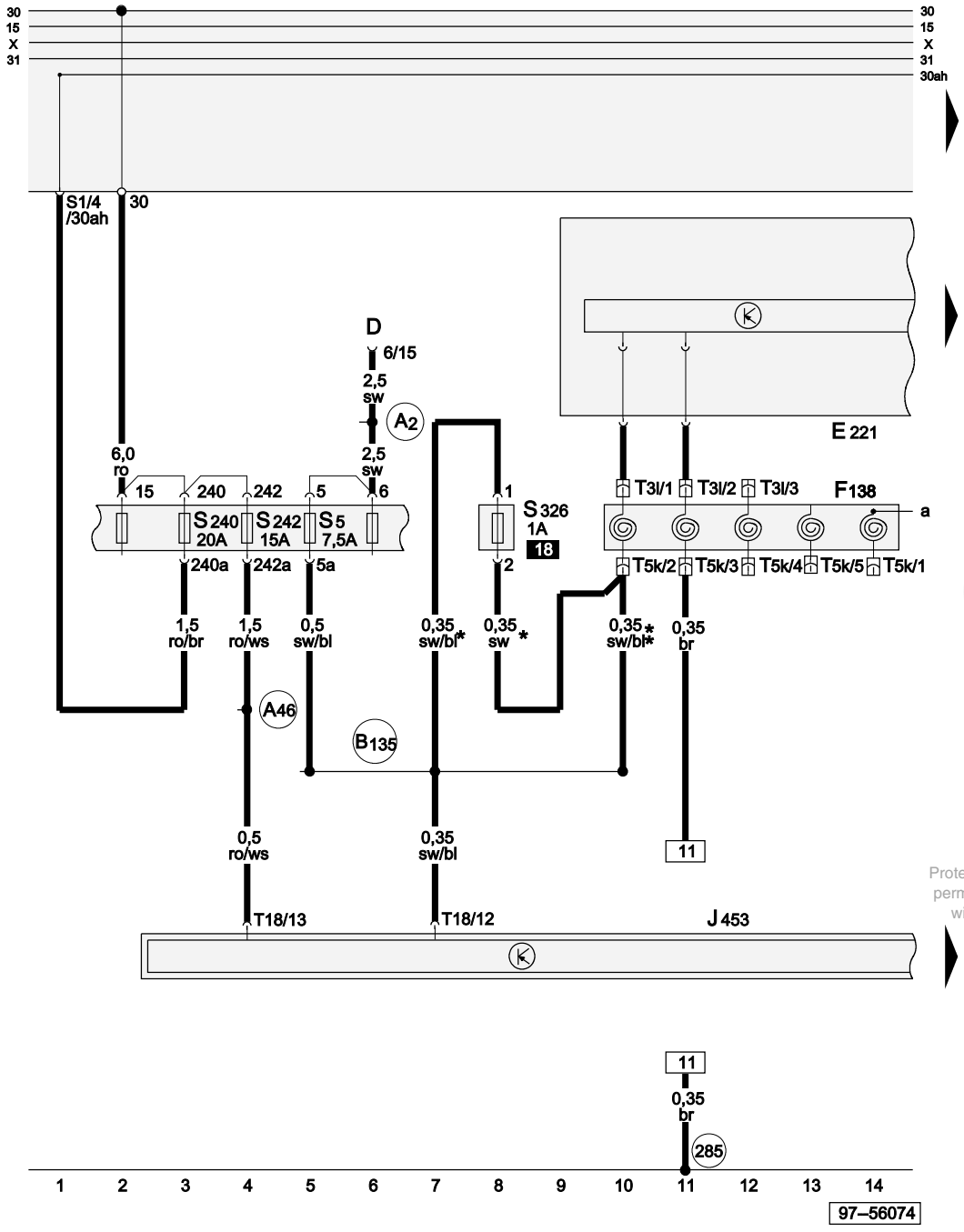
13-point relay carrier



◆ Above micro-central electrics, under driver's storage compartment

18 - Multi-function steering wheel fuse (S326)

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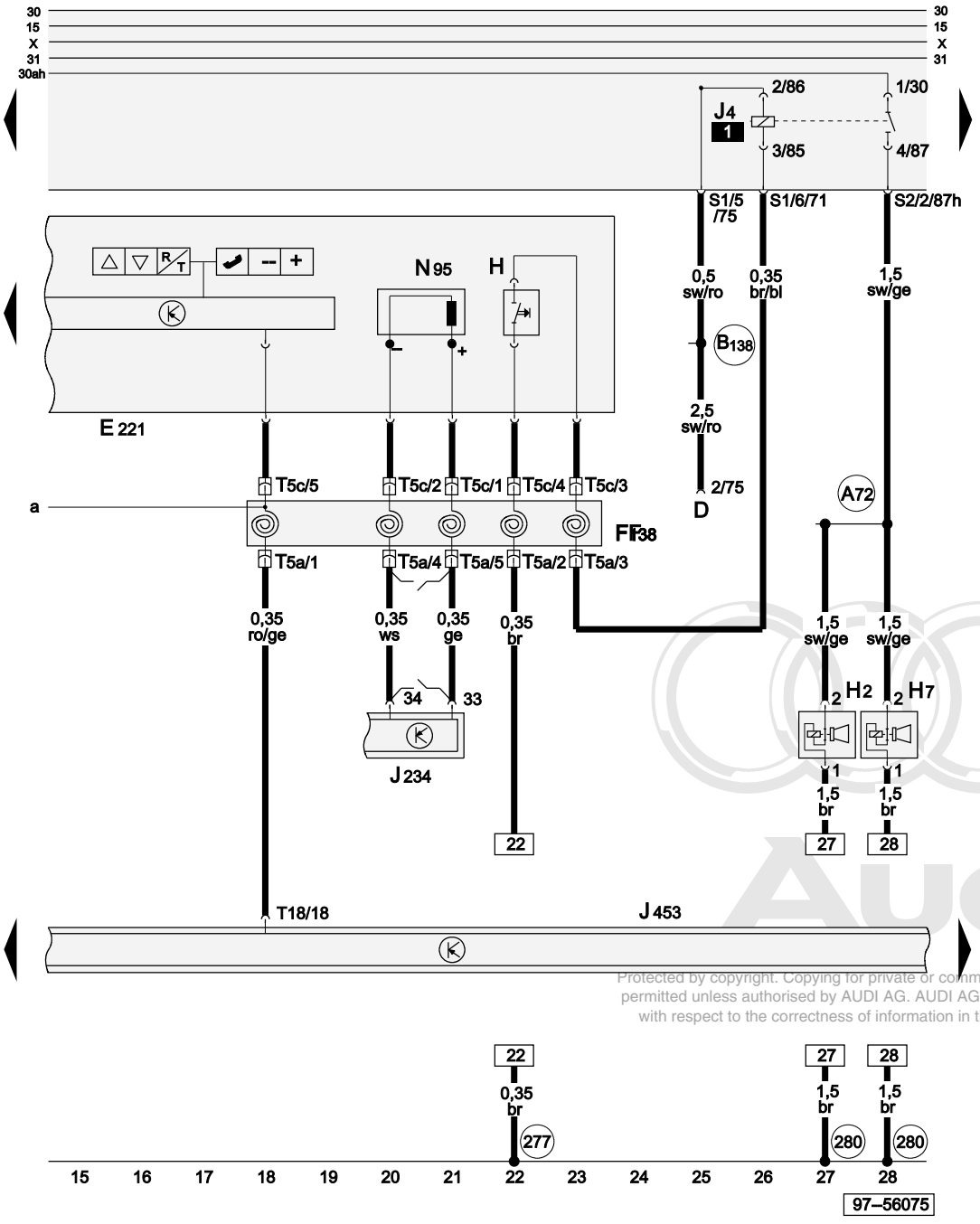


Fuses, operating unit in steering wheel, multi-function steering wheel control unit

D	Ignition/starter switch
E221	Operating unit in steering wheel
F138	Airbag coil connector, return spring with slip ring
J453	Multi-function steering wheel control unit
S5	Fuse in fuse box/relay plate
S240	Fuse in fuse box
S242	Fuse in fuse box
S326	Multi-function steering wheel fuse
T3l	3-pin connector, vehicle interior, in steering wheel
T5k	5-pin connector, yellow, vehicle interior, at steering column
T18	18-pin connector, on multi-function steering wheel control unit
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
*	From July 2002 onwards
**	As of July 2002 no longer fitted

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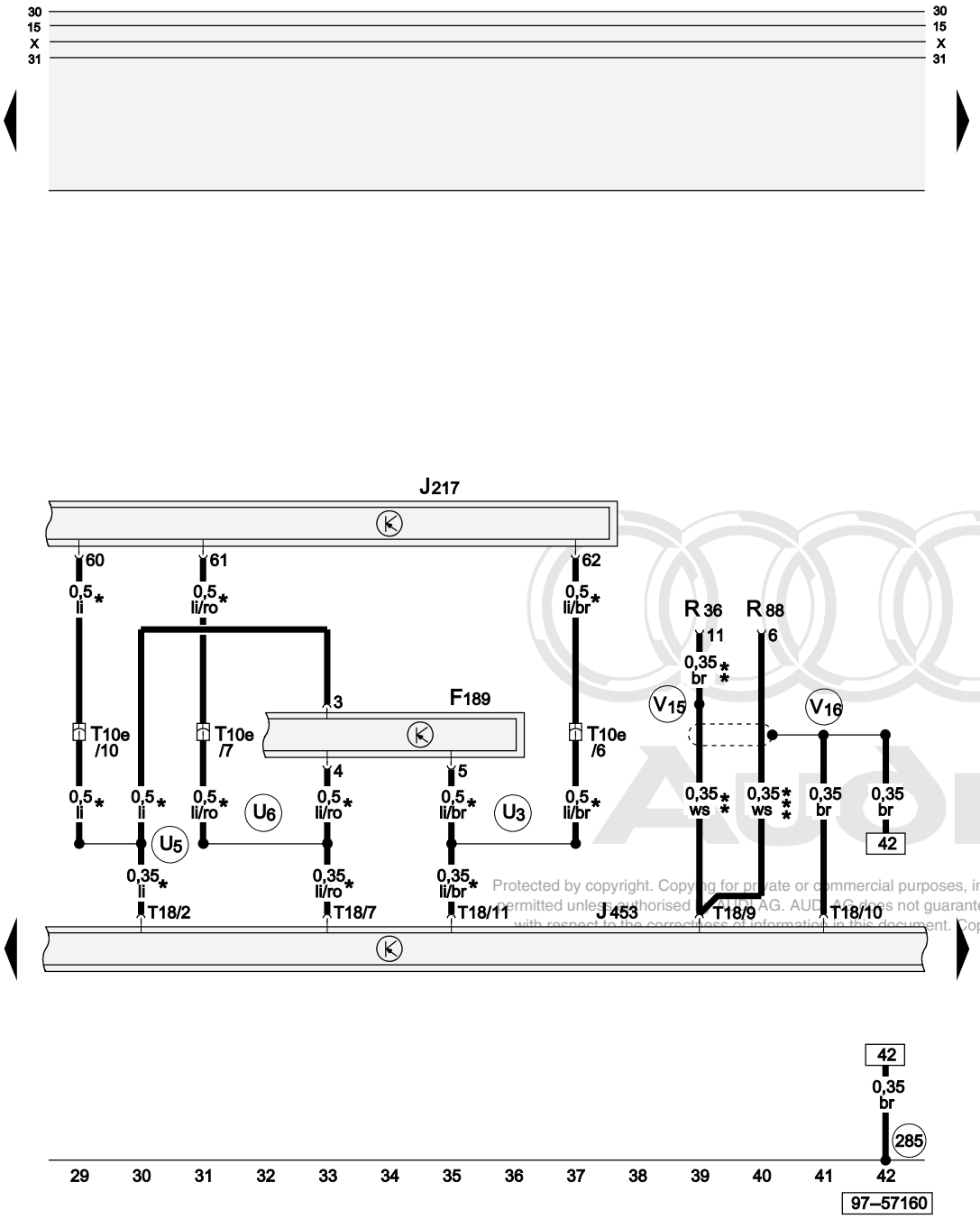


Operating unit in steering wheel, airbag coil connector/return spring with slip ring, horn plate, dual tone horn relay, airbag igniter - driver's side, multi-function steering wheel control unit

D	Ignition/starter switch
E221	Operating unit in steering wheel
F138	Airbag coil connector, return spring with slip ring
H	Horn plate
H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
N95	Airbag igniter, driver's side
J234	Airbag control unit
J453	Multi-function steering wheel control unit
T5a	5-pin connector, yellow, vehicle interior, at steering column
T5c	5-pin connector, yellow, vehicle interior, at steering column
T18	18-pin connector, on multi-function steering wheel control unit
277	Earth connection -3-, in interior wiring harness
280	Earth connection, in communication systems wiring harness
A72	Connection (71), in dash panel wiring harness
B138	Positive (+) connection (X), in interior wiring harness
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/kurzbr_l.png" content-width="20pt" scaling="uniform"/>	Short circuit bridge becomes effective when connector is unplugged

ws	=	white
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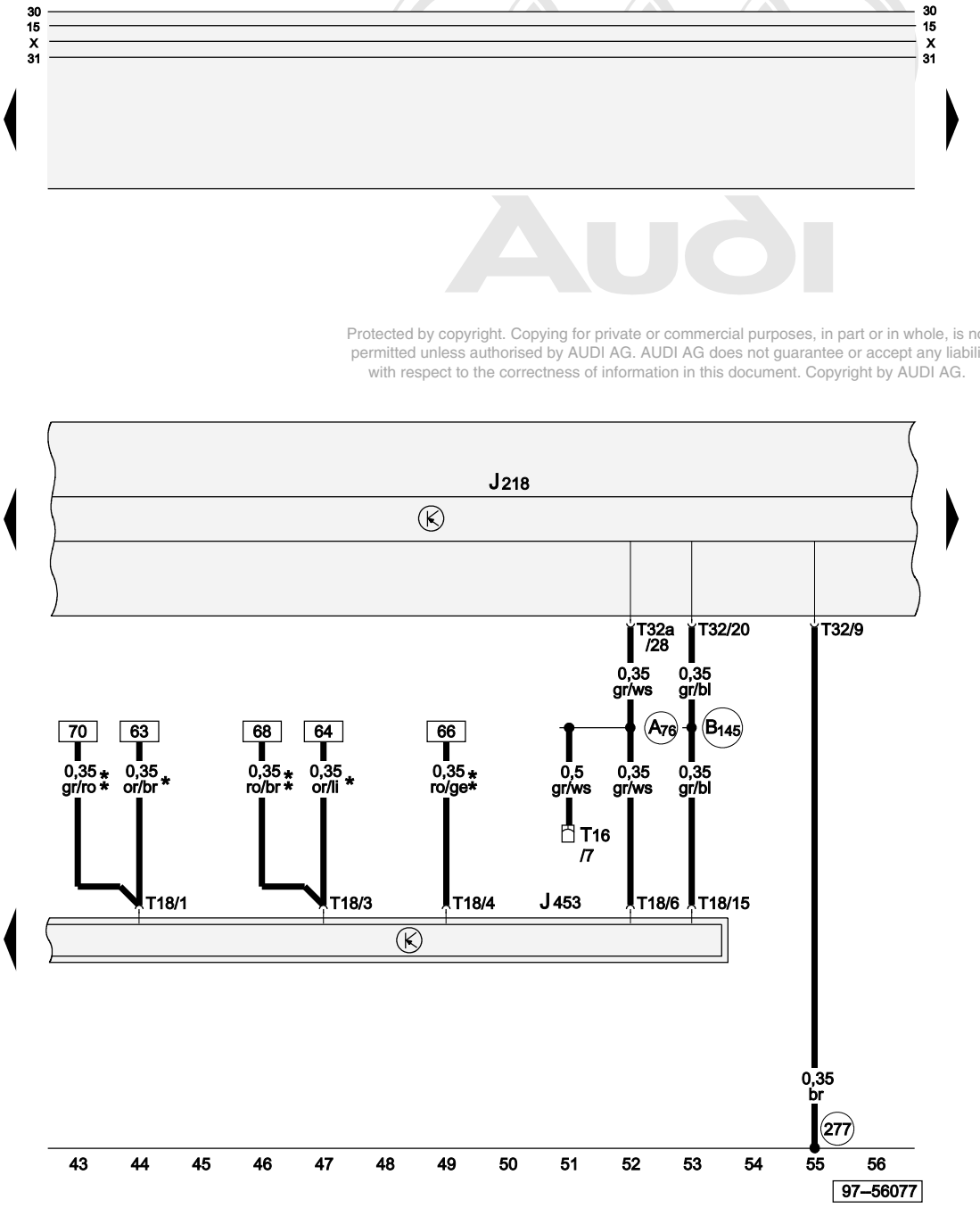


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Multi-function steering wheel control unit, automatic gearbox control unit, Tiptronic switch

F189	Tiptronic switch
J217	Automatic gearbox control unit
J453	Multi-function steering wheel control unit
R36	Telephone transmitter and receiver unit
R88	Multi-function steering wheel interface
T10e	10-pin connector, black, engine compartment, in plenum chamber
T18	18-pin connector, on multi-function steering wheel control unit
285	Earth connection -7-, in interior wiring harness
U3	Connection -1-, in automatic gearbox wiring harness
U5	Connection -2- (15), in automatic gearbox wiring harness
U6	Connection -2-, in automatic gearbox wiring harness
V15	Connection, in telephone wiring harness
V16	Connection (screening), in telephone wiring harness
*	Only models with 5-speed automatic gearbox
**	Only applies to telephone, as of model year 2002 no longer fitted
***	As of model year 2002 no longer fitted

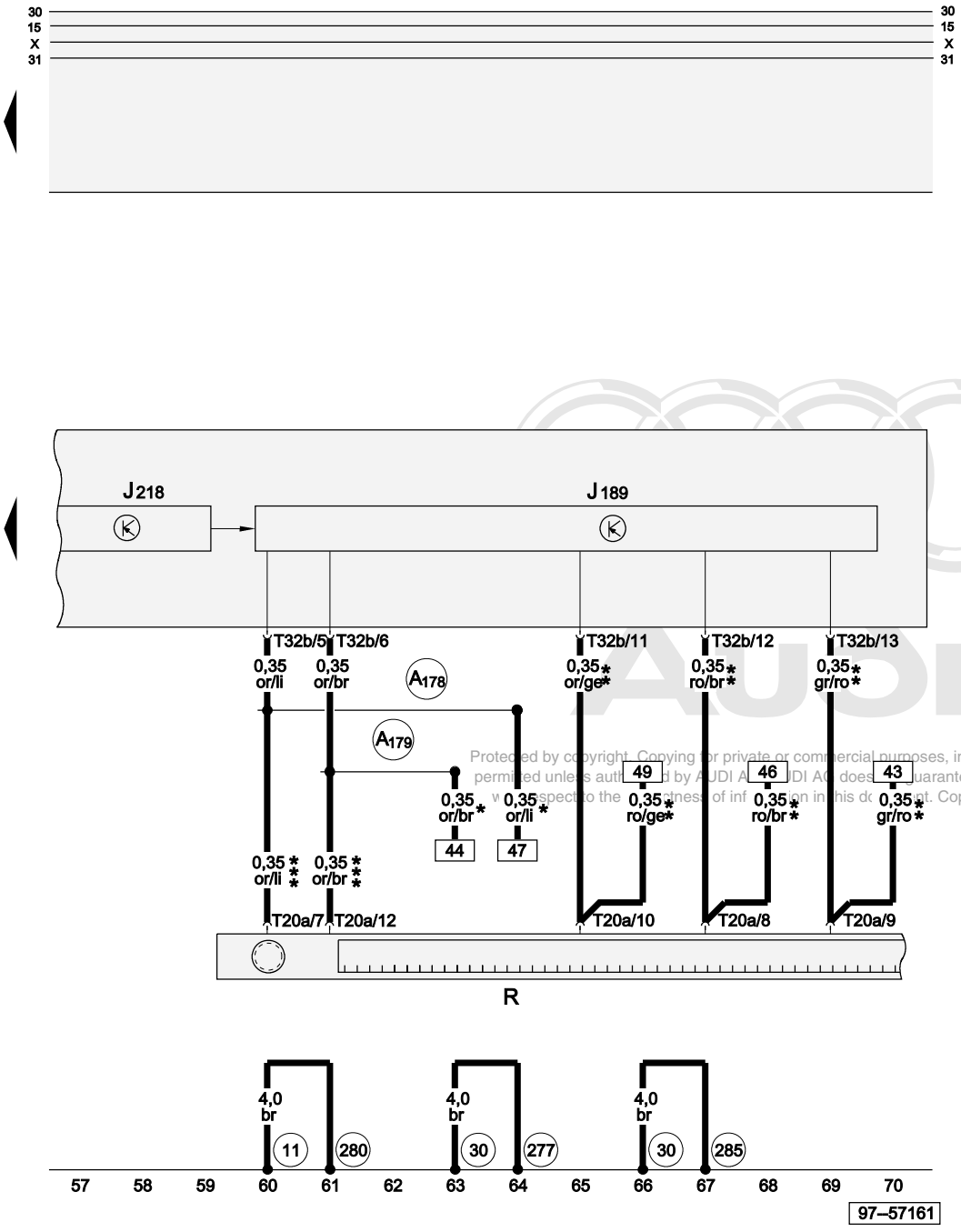


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Combi-processor in dash panel insert, multi-function steering wheel control unit

J218	Combi-processor in dash panel insert
J453	Multi-function steering wheel control unit
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T18	18-pin connector, on multi-function steering wheel control unit
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
277	Earth connection -3-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with 5-speed automatic gearbox
**	As of model year 2002 no longer fitted

ws	=	white
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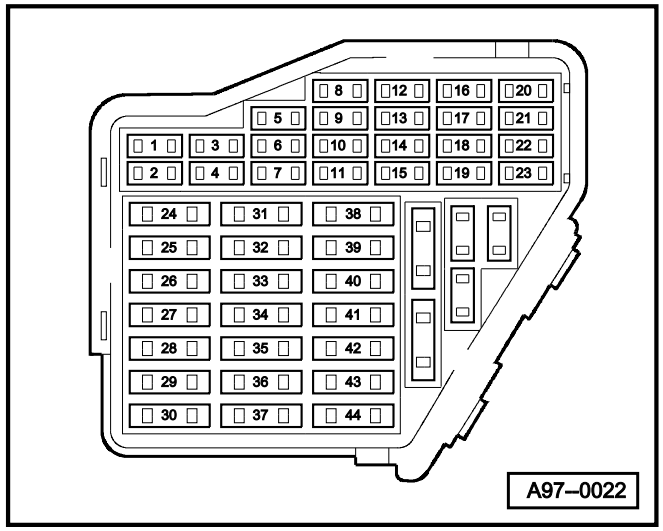
Auto-check system, combi-processor in dash panel insert, radio, earth connections

J189	Auto-check system
J218	Combi-processor in dash panel insert
R	Radio
T20a	20-pin connector, black, on radio
T32b	32-pin connector, grey, on dash panel insert
11	Earth point, in battery box
30	Earth point -1-, next to relay plate
277	Earth connection -3-, in interior wiring harness
280	Earth connection, in communication systems wiring harness
285	Earth connection -7-, in interior wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
*	Only models with 5-speed automatic gearbox
**	As of model year 2002 no longer fitted
***	Only models with driver information system

Electric seat adjustment / seat heating for Recaro sport seats

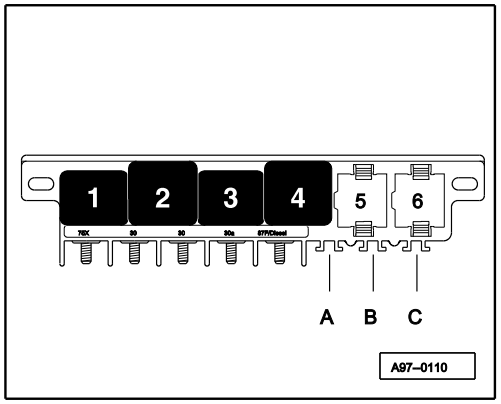
From model year 2001

Fuse box



From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Micro-central electrics



Position of fuses:

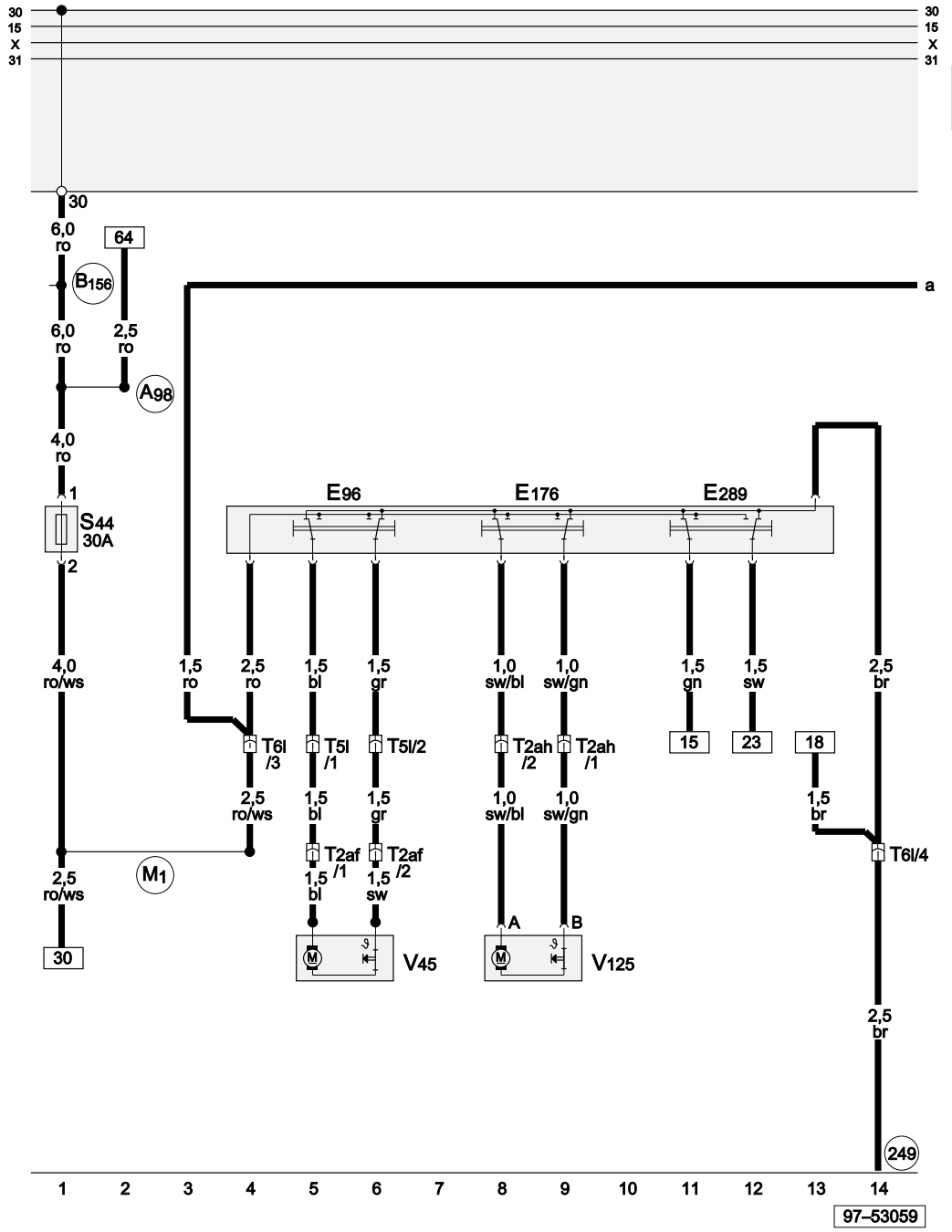
A - Seat adjustment single fuse

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Fuse colours:

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25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

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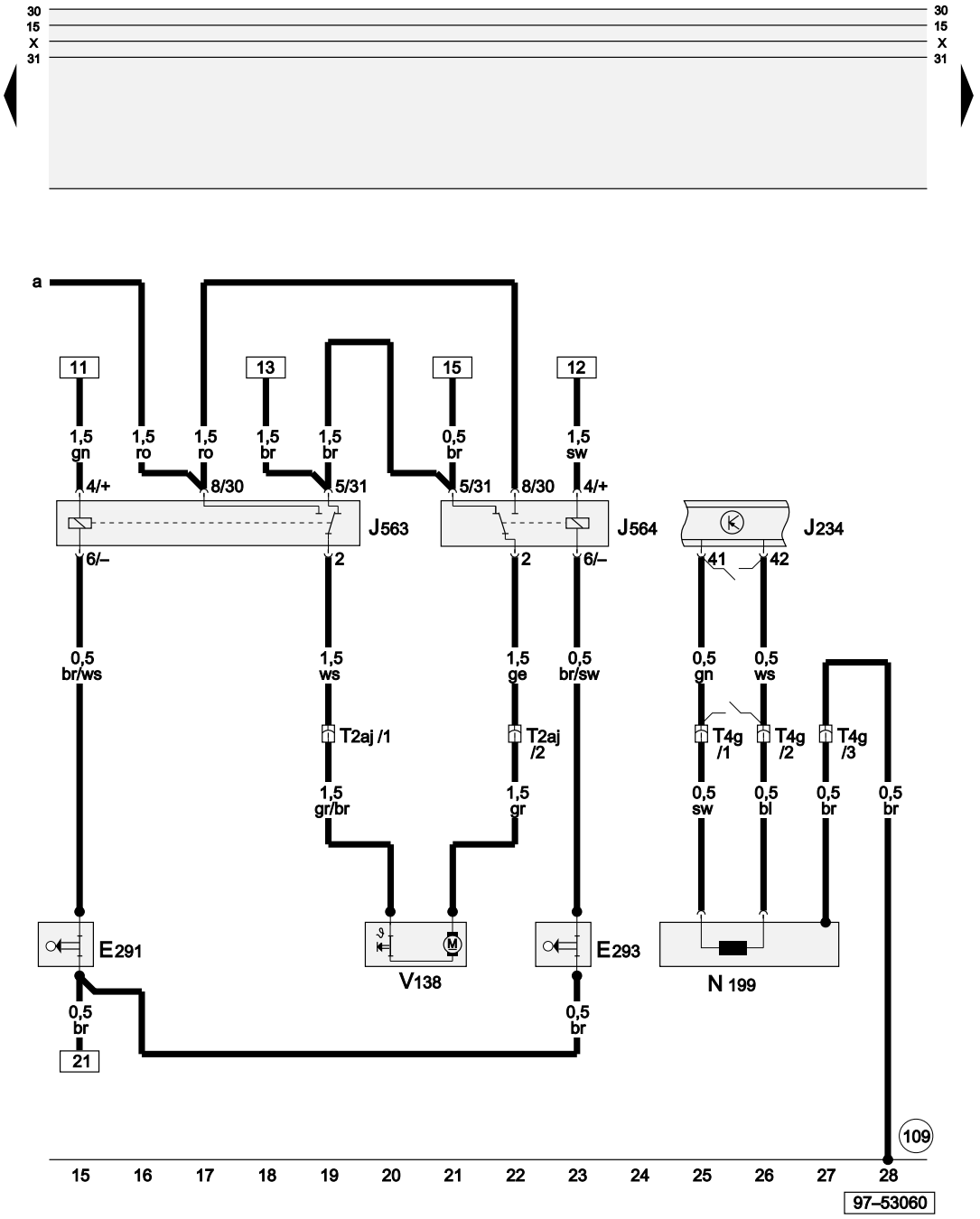


Backrest adjustment and lumbar support adjustment for driver's seat

E96	Backrest adjustment switch, driver's seat
E176	Lumbar support adjustment switch, driver's seat
E289	Height adjustment switch, driver's side
S44	Seat adjustment thermo-fuse 1
T2af	2-pin connector, black, in driver's seat
T2ah	2-pin connector, black, in driver's seat
T5l	5-pin connector, black, under driver's seat
T6l	6-pin connector, red, under driver's seat
V45	Backrest adjustment motor, driver's seat
V125	Lumbar support longitudinal adjustment motor, driver's seat
249	Earth connection -2-, in interior wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
M1	Positive (+) connection -1- (30), in seat adjustment wiring harness

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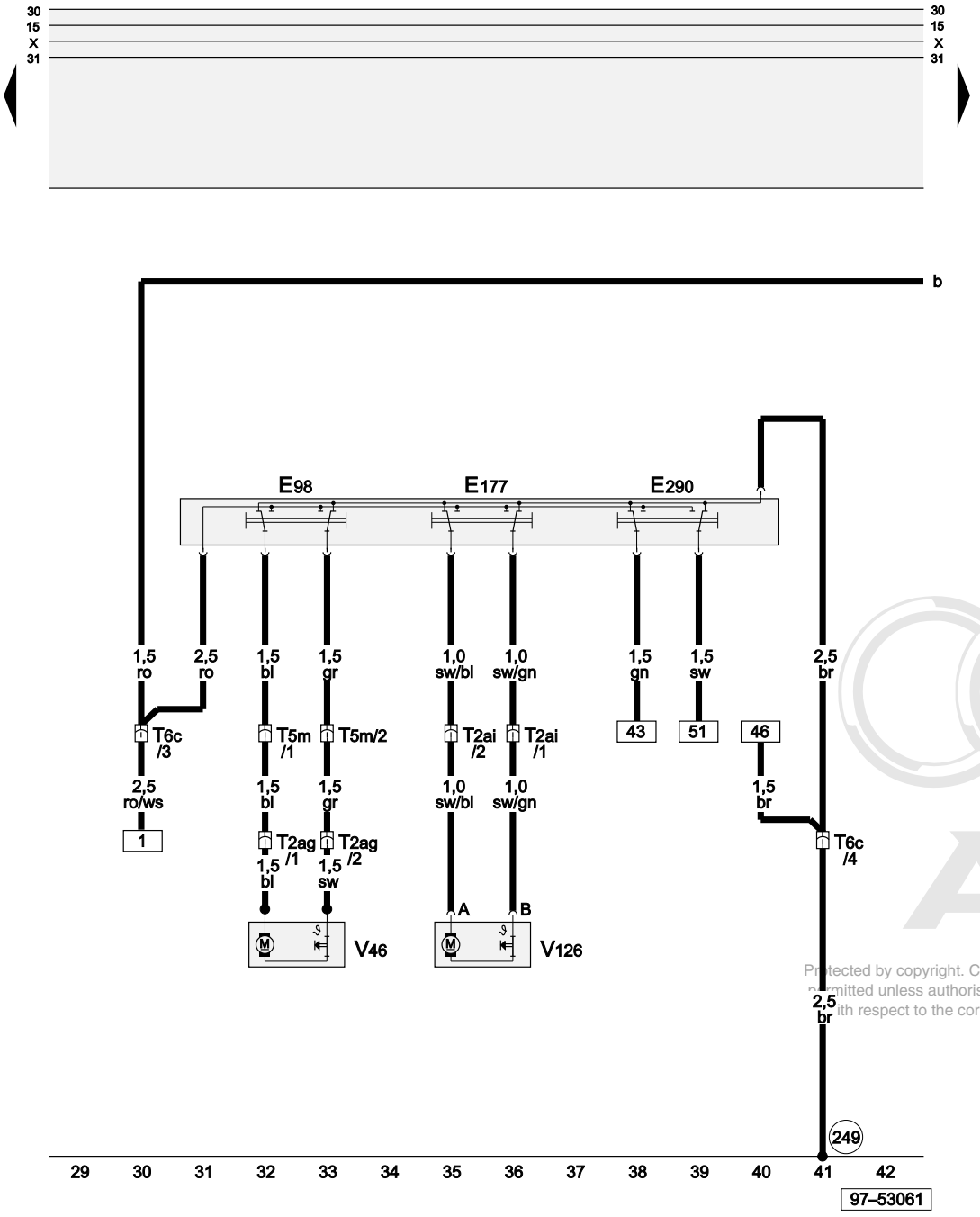


Height adjustment for driver's seat, side airbag

E291	Height adjustment upper limit switch, driver's seat
E293	Height adjustment lower limit switch, driver's seat
J234	Airbag control unit
J563	Height adjustment relay 1, driver's seat
J564	Height adjustment relay 2, driver's seat
N199	Side airbag igniter, driver's side
T2aj	2-pin connector, blue, in driver's seat
T4g	4-pin connector, yellow, side airbag, under driver's seat
V138	Driver's seat height adjustment motor
(109)	Earth connection, in airbag wiring harness

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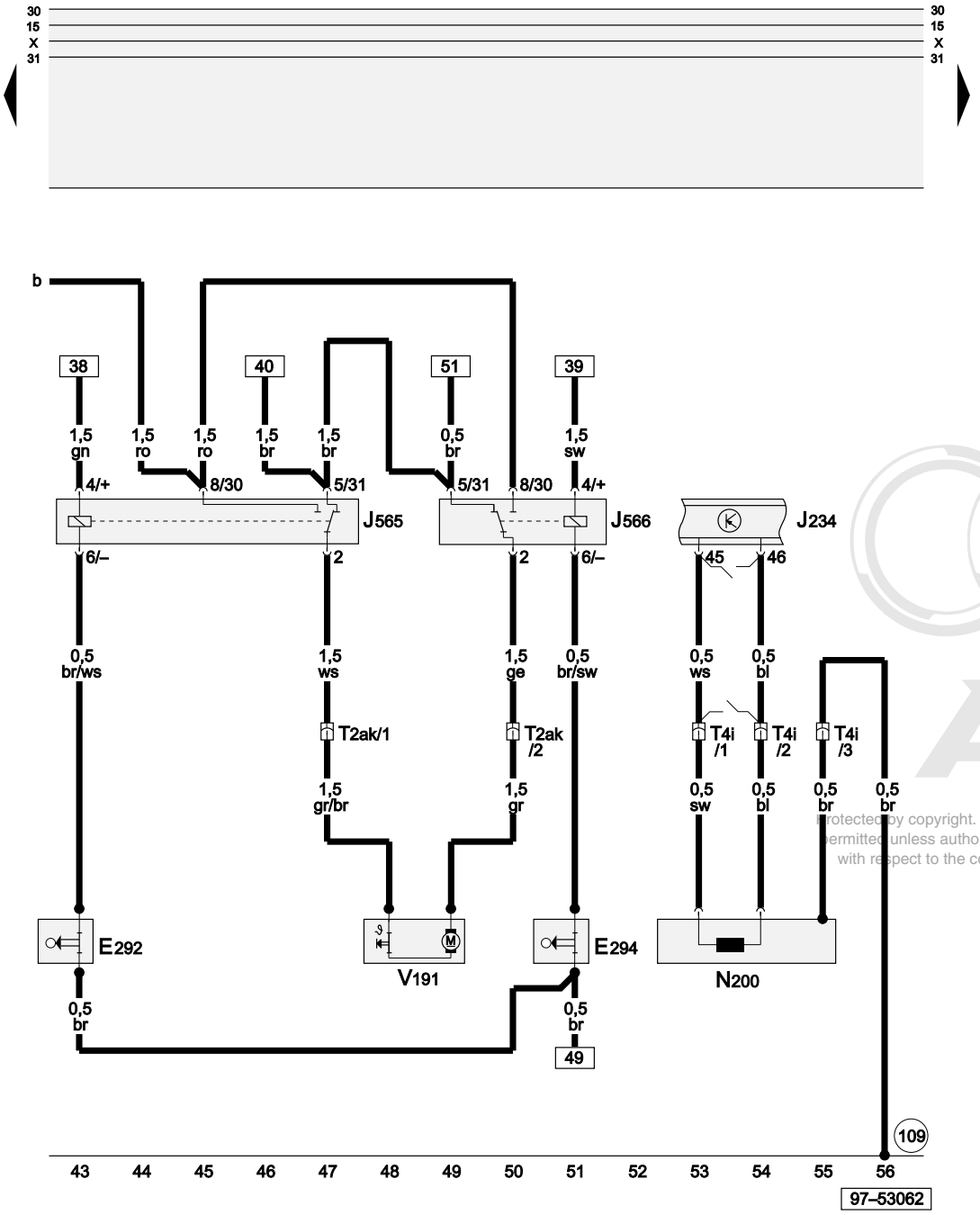


Backrest adjustment and lumbar support adjustment for front passenger's seat

E98	Backrest adjustment switch, front passenger's seat
E177	Lumbar support adjustment switch, front passenger's seat
E290	Height adjustment switch, front passenger's side
T2ai	2-pin connector, black, in front passenger's seat
T5m	5-pin connector, black, under front passenger's seat
T6c	6-pin connector, red, under front passenger's seat
V46	Backrest adjustment motor, front passenger's seat
V126	Lumbar support longitudinal adjustment motor, front passenger's seat
249	Earth connection -2-, in interior wiring harness

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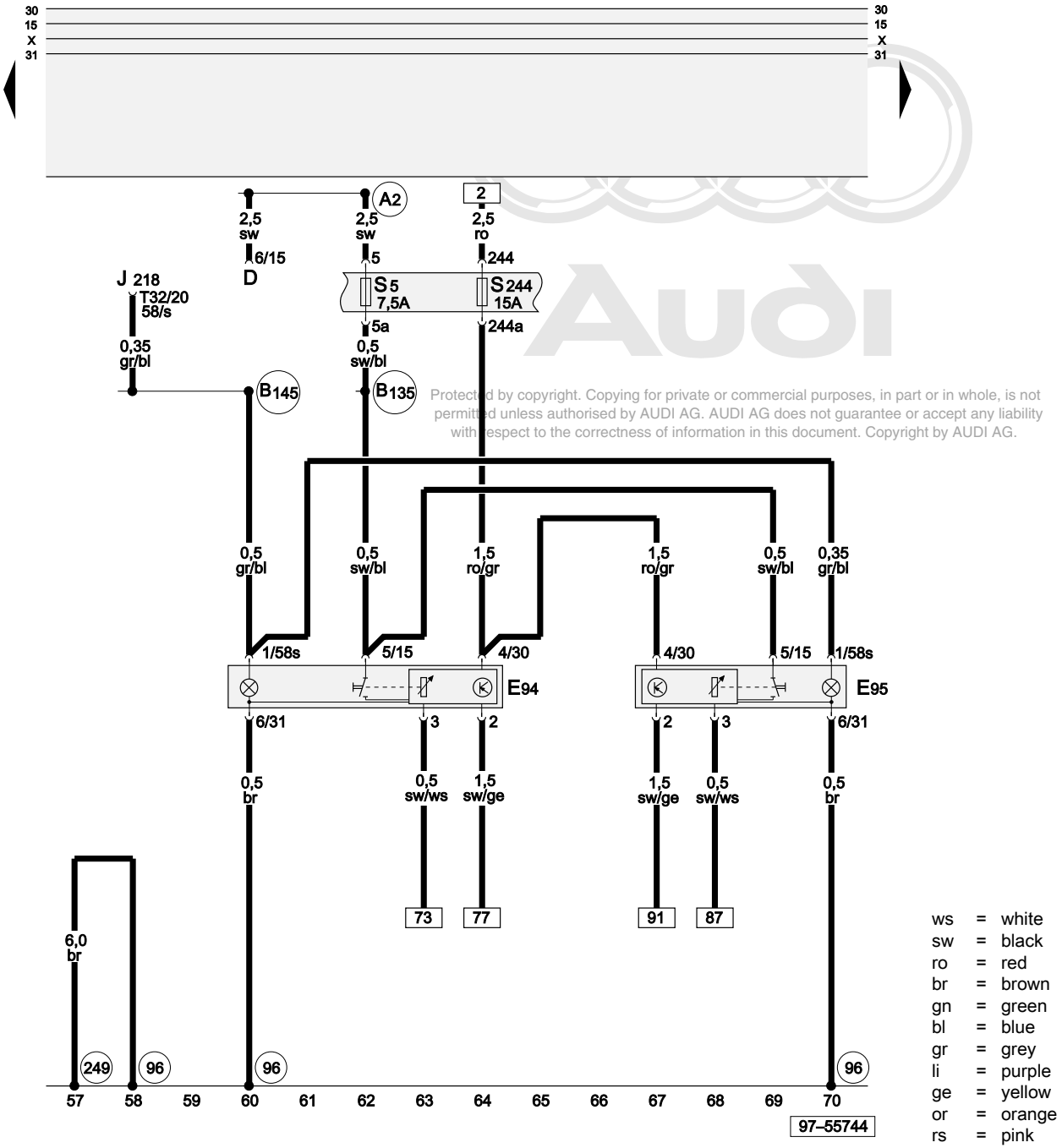


Height adjustment for front passenger's seat, side airbag

E292	Height adjustment upper limit switch, front passenger's seat
E294	Height adjustment lower limit switch, front passenger's seat
J234	Airbag control unit
J565	Height adjustment relay -1-, front passenger's seat
J566	Height adjustment relay -2-, front passenger's seat
N200	Side airbag igniter, front passenger's side
T2ak	2-pin connector, blue, in front passenger's seat
T4i	4-pin connector, yellow, side airbag, under front passenger's seat
V191	Height adjustment motor, front passenger's seat
(109)	Earth connection, in airbag wiring harness

ws	=	white
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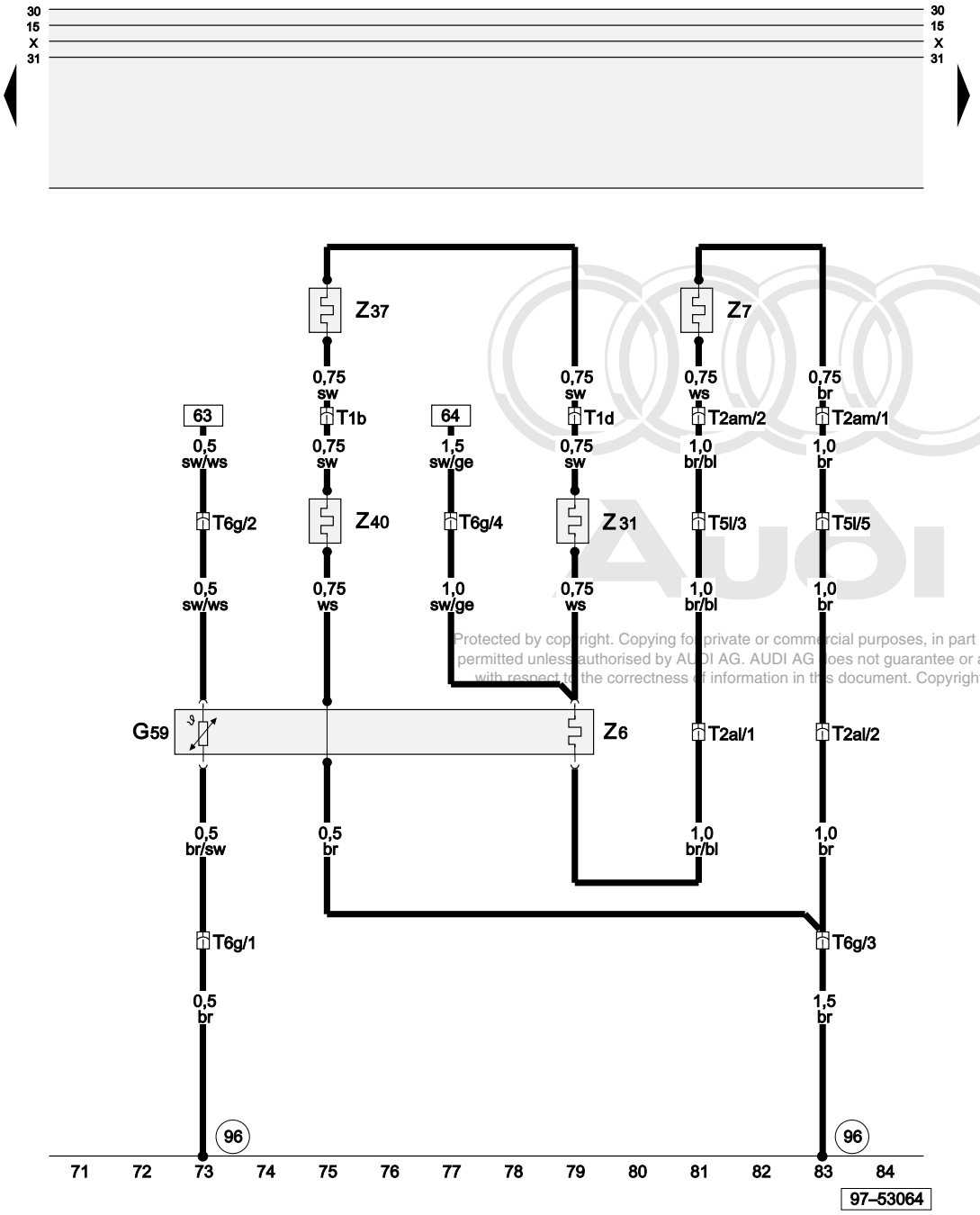


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Adjuster for heated driver's seat and front passenger's seat

D	Ignition/starter switch
E94	Heated driver's seat adjuster
E95	Heated front passenger's seat adjuster
J218	Combi-processor in dash panel insert
S5	Fuse in fuse box/relay plate
S244	Fuse in fuse box
T32	32-pin connector, blue, on dash panel insert
96	Earth connection -1-, in seat heating wiring harness
249	Earth connection -2-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness

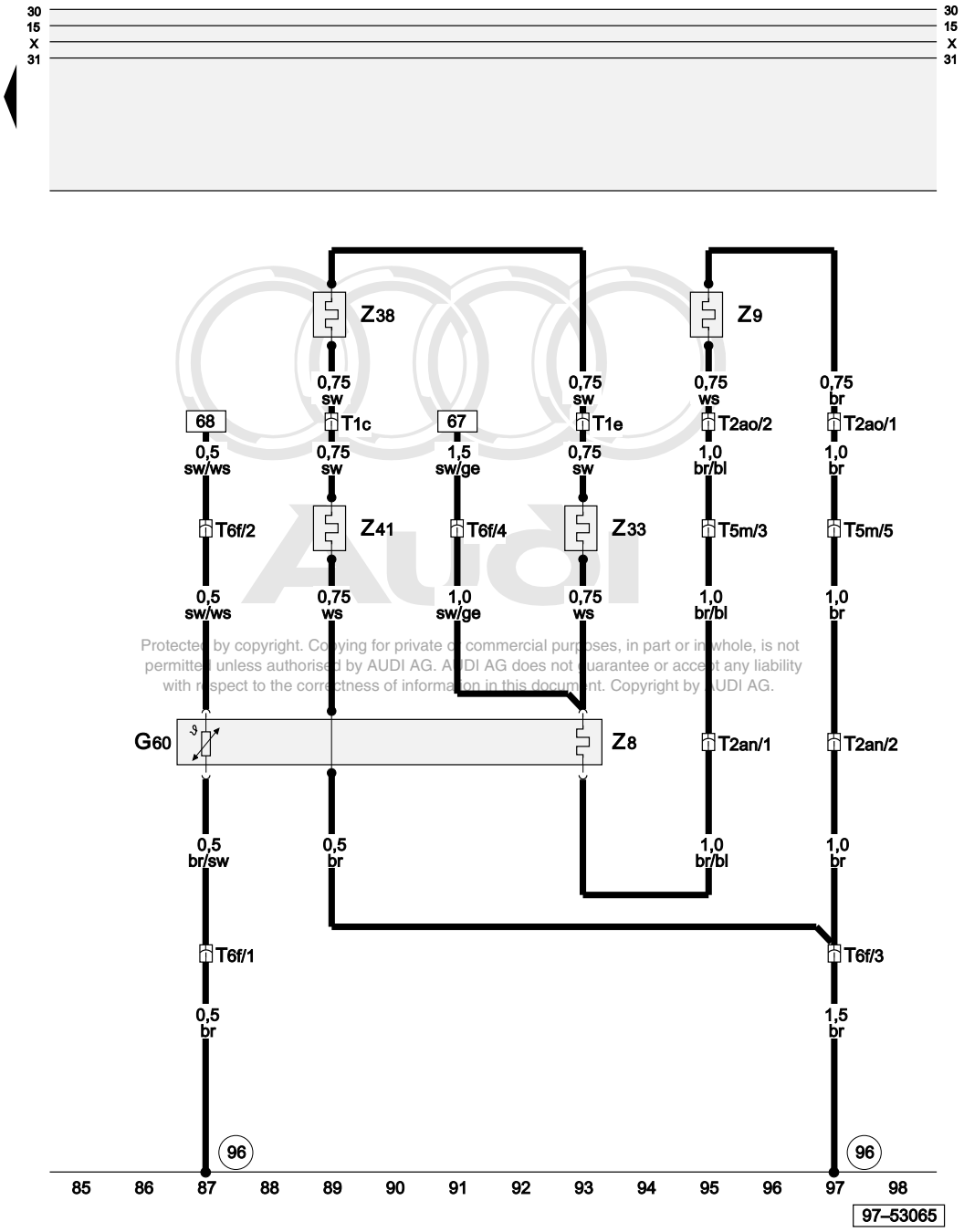


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Seat heating for driver's seat

G59	Driver's seat temperature sensor
T1b	Single connector, black, in driver's seat
T1d	Single connector, black, in driver's seat
T2al	2-pin connector, black, in driver's seat
T2am	2-pin connector, black, in driver's seat
T5l	5-pin connector, black, under driver's seat
T6g	6-pin connector, green, under driver's seat
Z6	Heated driver's seat
Z7	Heated driver's seat backrest
Z31	Seat lateral support heater, driver's seat
Z37	Heated driver's seat extension
Z40	Lateral support heating 2, driver's seat
96	Earth connection -1-, in seat heating wiring harness



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Seat heating for front passenger's seat

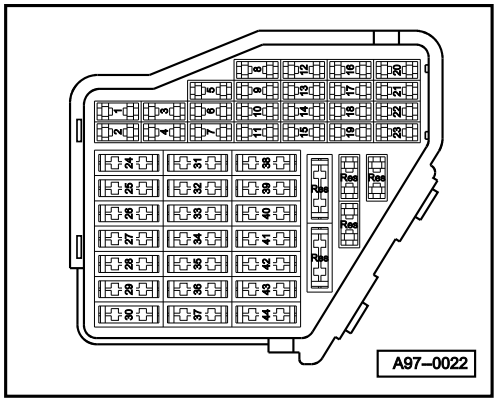
G60	Front passenger's seat temperature sensor
T1c	Single connector, black, in front passenger's seat
T1e	Single connector, black, in front passenger's seat
T2an	2-pin connector, black, in front passenger's seat
T2ao	2-pin connector, black, in front passenger's seat
T5m	5-pin connector, black, under front passenger's seat
T6f	6-pin connector, green, under front passenger's seat
Z8	Heated front passenger's seat
Z9	Heated front passenger's seat backrest
Z33	Seat lateral support heater, front passenger's seat
Z38	Heated front passenger's seat extension
Z41	Lateral support heating 2, front passenger's seat
96	Earth connection -1-, in seat heating wiring harness

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

Headlights with gas discharge lamps, automatic headlight range control and headlight washer system

From model year 2001

Fuse box

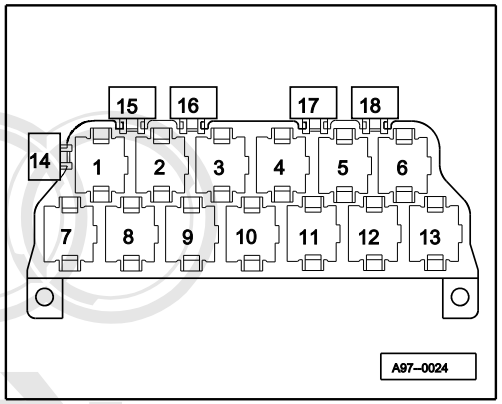


Fuse colours:

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

13-point relay carrier

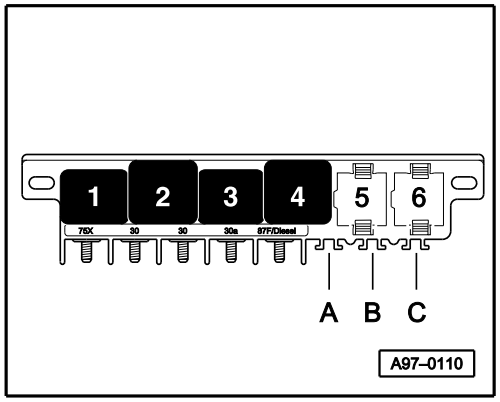


Position of relays:

2 - Bulb monitoring device

3 - Bulb monitoring device

Micro-central electrics

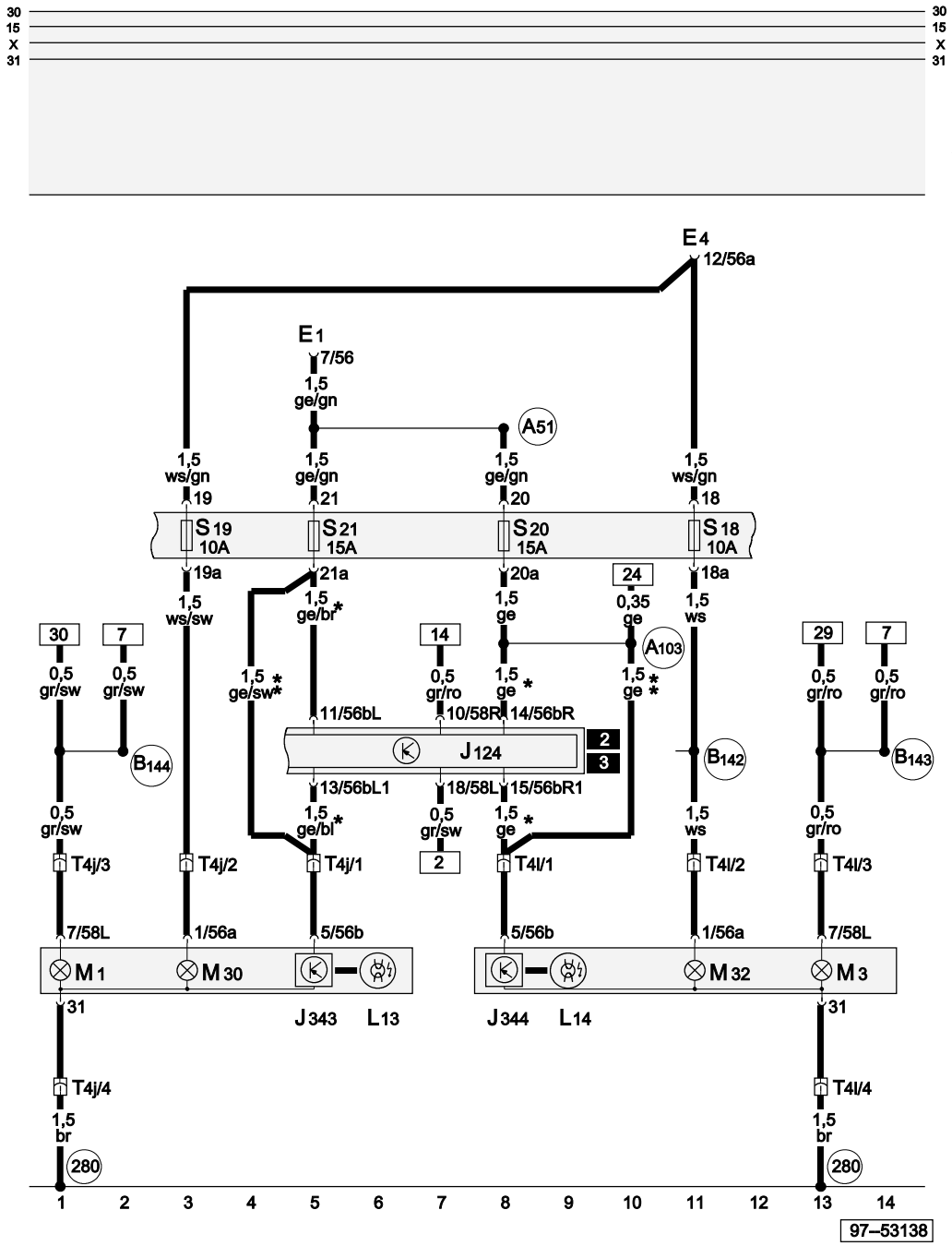


Position of relays:

5 - Automatic intermittent wash/wipe relay

6 - Automatic intermittent wash/wipe relay

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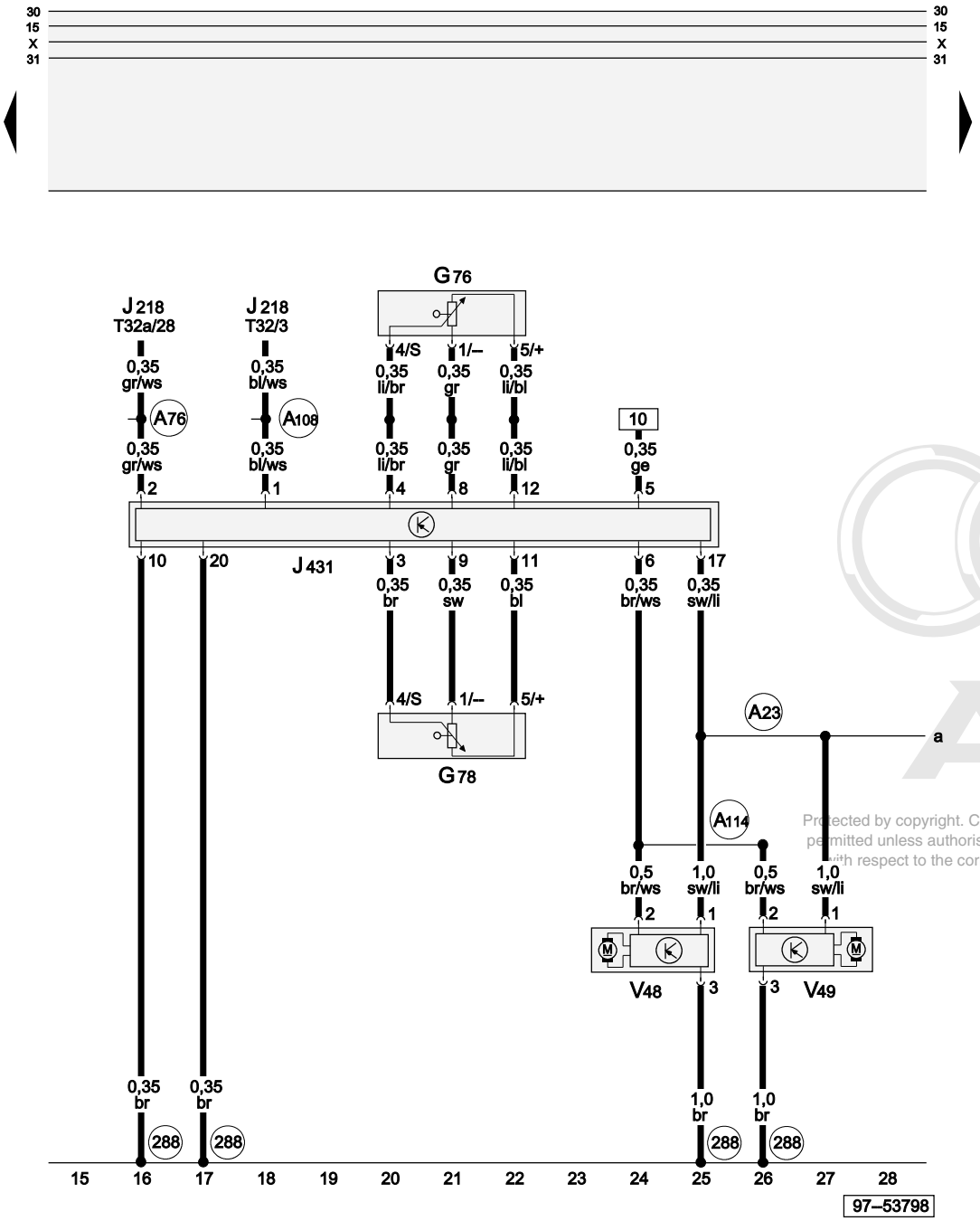


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Headlights with gas discharge lamps, fuse box, bulb monitoring device

E1	Lighting switch
E4	Headlight dipper/flasher switch
J124	Bulb monitoring device, rear
J343	Left gas discharge lamp control unit
J344	Right gas discharge lamp control unit
L13	Left gas discharge lamp
L14	Right gas discharge lamp
M1	Side light bulb, left
M3	Side light bulb, right
M30	Main beam bulb, left
M32	Main beam bulb, right
S18	Fuse in fuse box/relay plate
S19	Fuse in fuse box/relay plate
S20	Fuse in fuse box/relay plate
S21	Fuse in fuse box/relay plate
T4j	4-pin connector, headlight, left
T4l	4-pin connector, headlight, right
280	Earth connection, in communication systems wiring harness
A51	Connection (56), in dash panel wiring harness
A103	Connection -2- (56), in dash panel wiring harness
B142	Positive (+) connection -2- (56a), in interior wiring harness
B143	Positive (+) connection (58R), in interior wiring harness
B144	Positive (+) connection (58L), in interior wiring harness
*	With bulb monitoring device
**	Without bulb monitoring device

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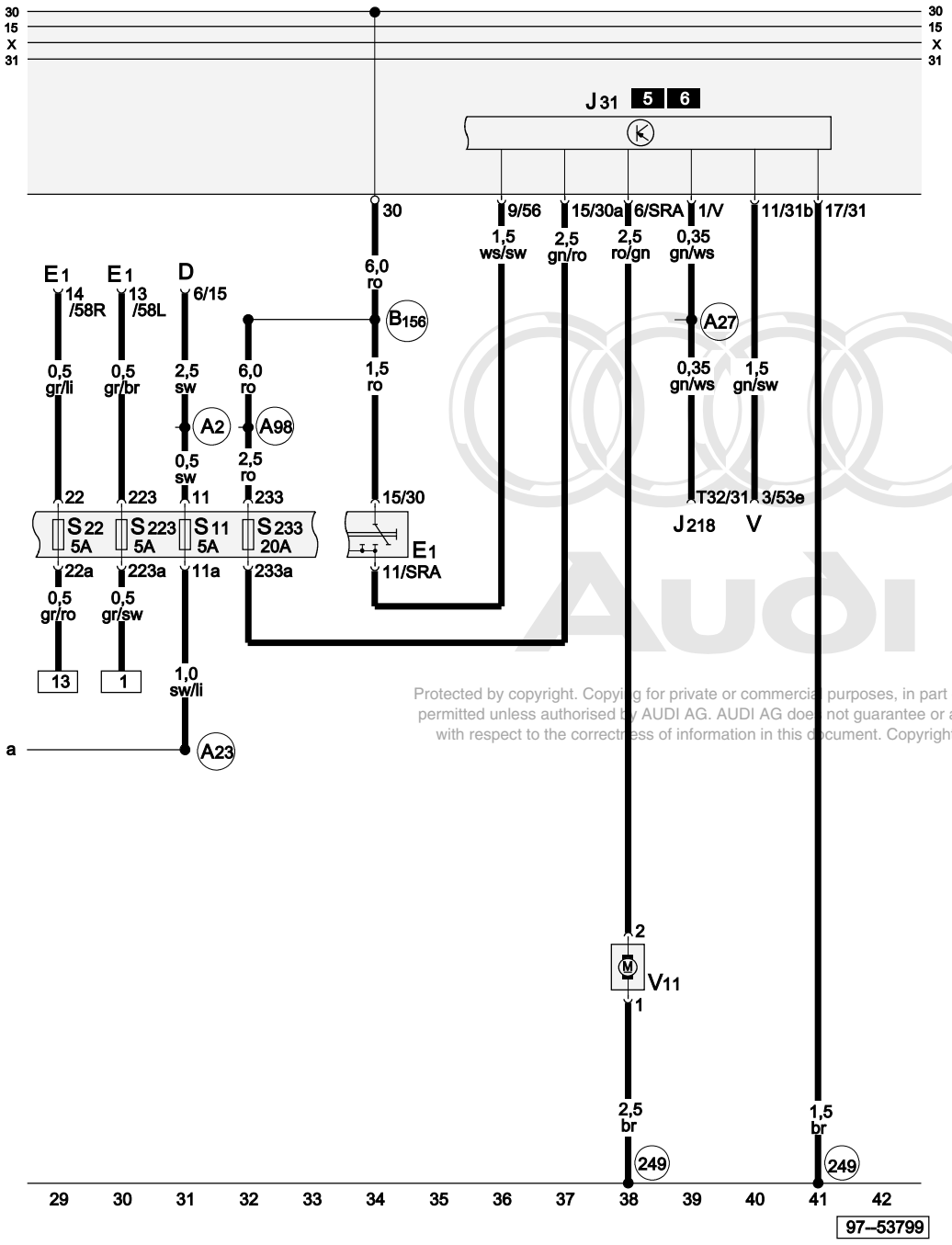


Control unit for headlight range control, vehicle level senders, headlight range control motors

G76	Vehicle level sender, rear left
G78	Vehicle level sender, front left
J218	Combi-processor in dash panel insert
J431	Headlight range control, control unit
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
V48	Headlight range control motor, left
V49	Headlight range control motor, right
288	Earth connection (headlight range control), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
A114	Connection (headlight range control), in dash panel wiring harness

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

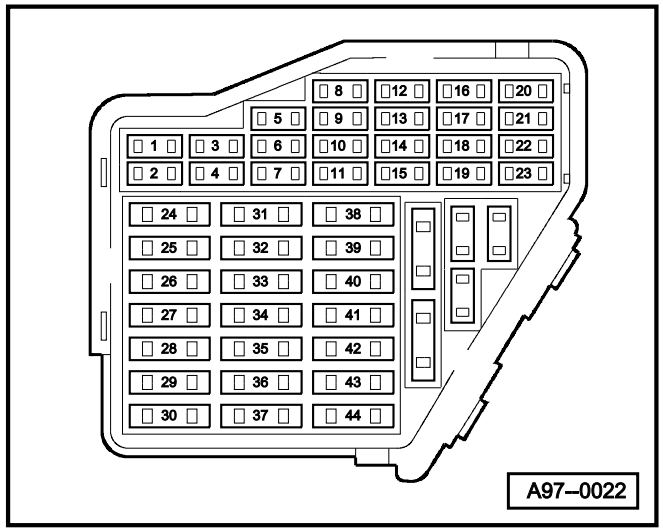
Headlight washer system

D	Ignition/starter switch
E1	Lighting switch
J31	Automatic intermittent wash/wipe relay
J218	Combi-processor in dash panel insert
S11	Fuse in fuse box/relay plate
S22	Fuse in fuse box/relay plate
S223	Fuse in fuse box
S233	Fuse in fuse box
T32	32-pin connector, blue, on dash panel insert
V	Windscreen wiper motor
V11	Headlight washer system pump
249	Earth connection -2-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness

Diagnostic connector

From model year 2001

Fuse box



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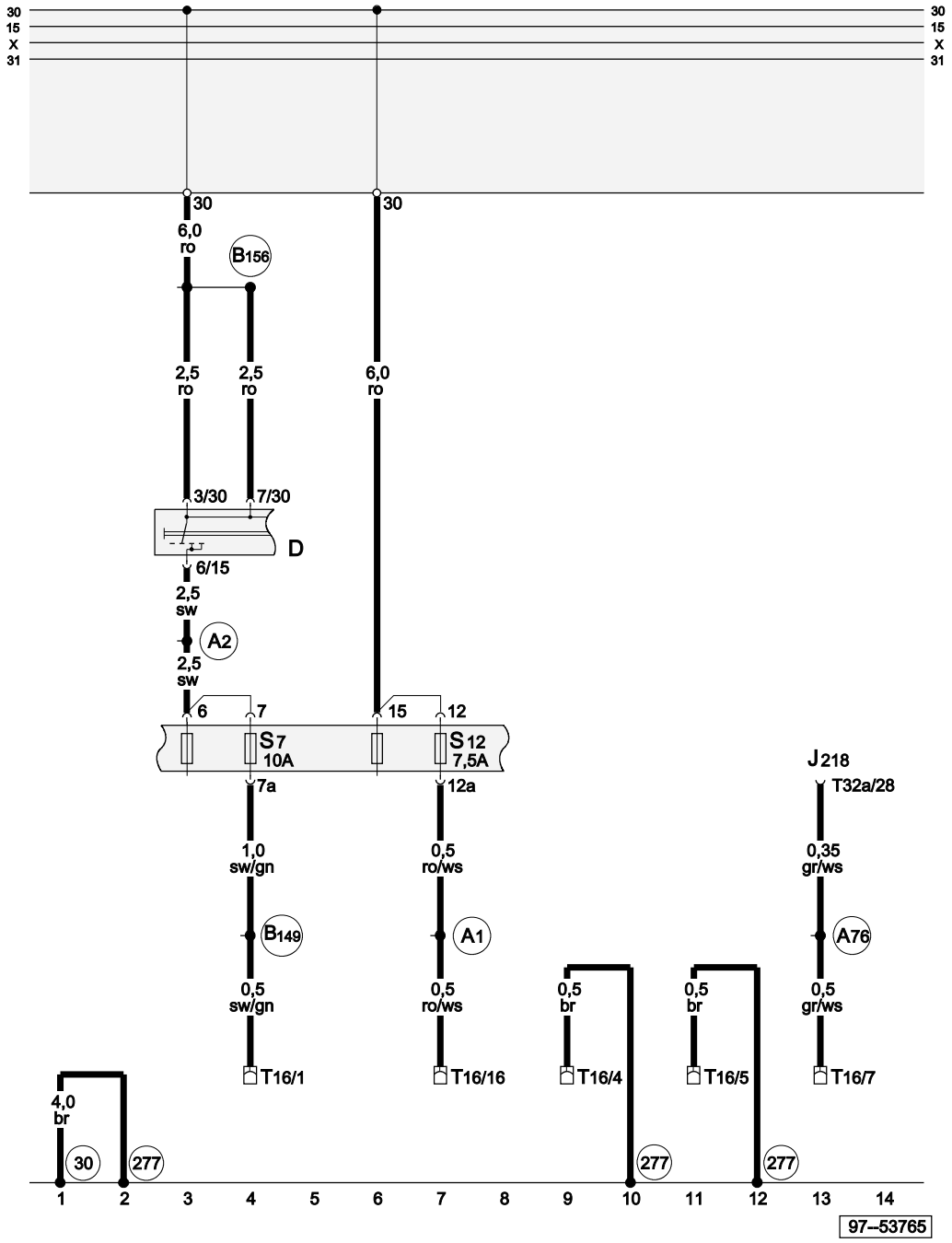
- Dash panel, driver's side

Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the 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

Diagnostic connector, ignition/starter switch, fuses

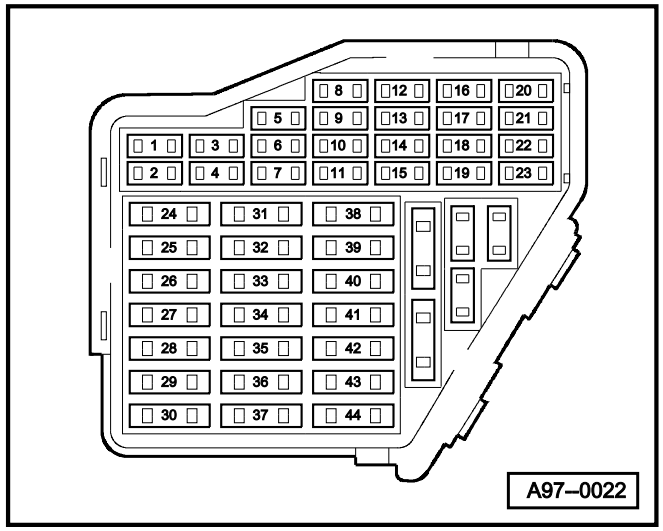
D	Ignition/starter switch
J218	Combi-processor in dash panel insert
S7	Fuse in fuse box/relay plate
S12	Fuse in fuse box/relay plate
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T32a	32-pin connector, green, on dash panel insert
30	Earth point -1-, next to relay plate
277	Earth connection -3-, in interior wiring harness
A1	Positive (+) connection (30a), in dash panel wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
B156	Positive (+) connection (30a), in interior wiring harness

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Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

From model year 2001

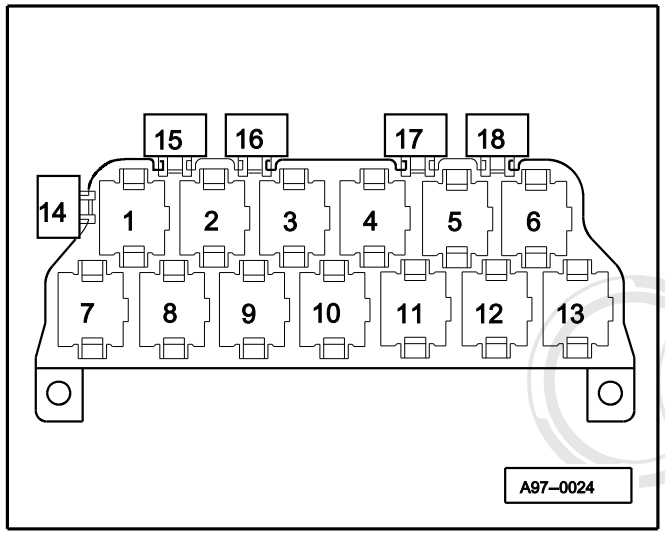
Fuse box:



From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

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13-point relay carrier:



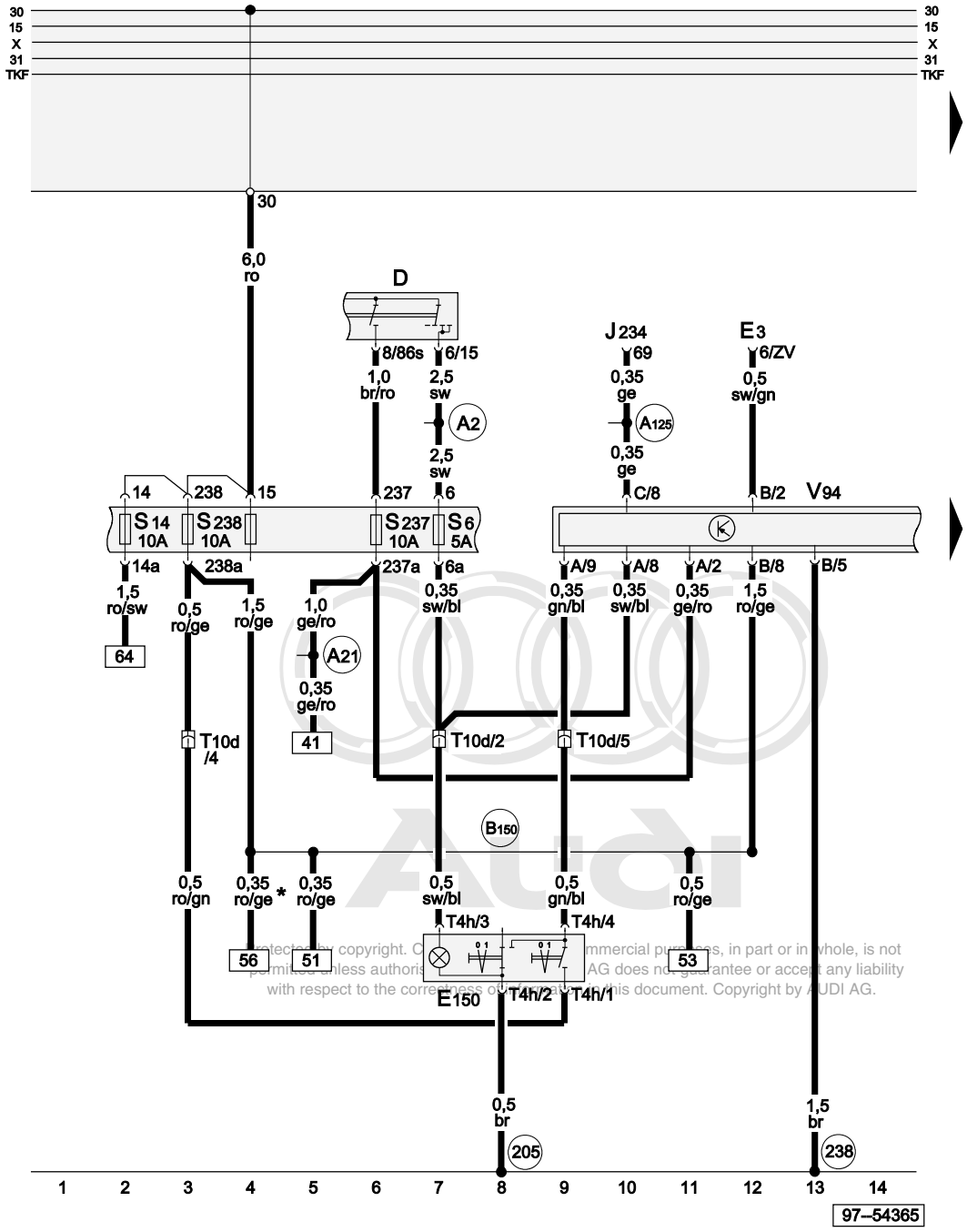
Position of relays:

4 - Door warning lamps control unit

Fuse colours:

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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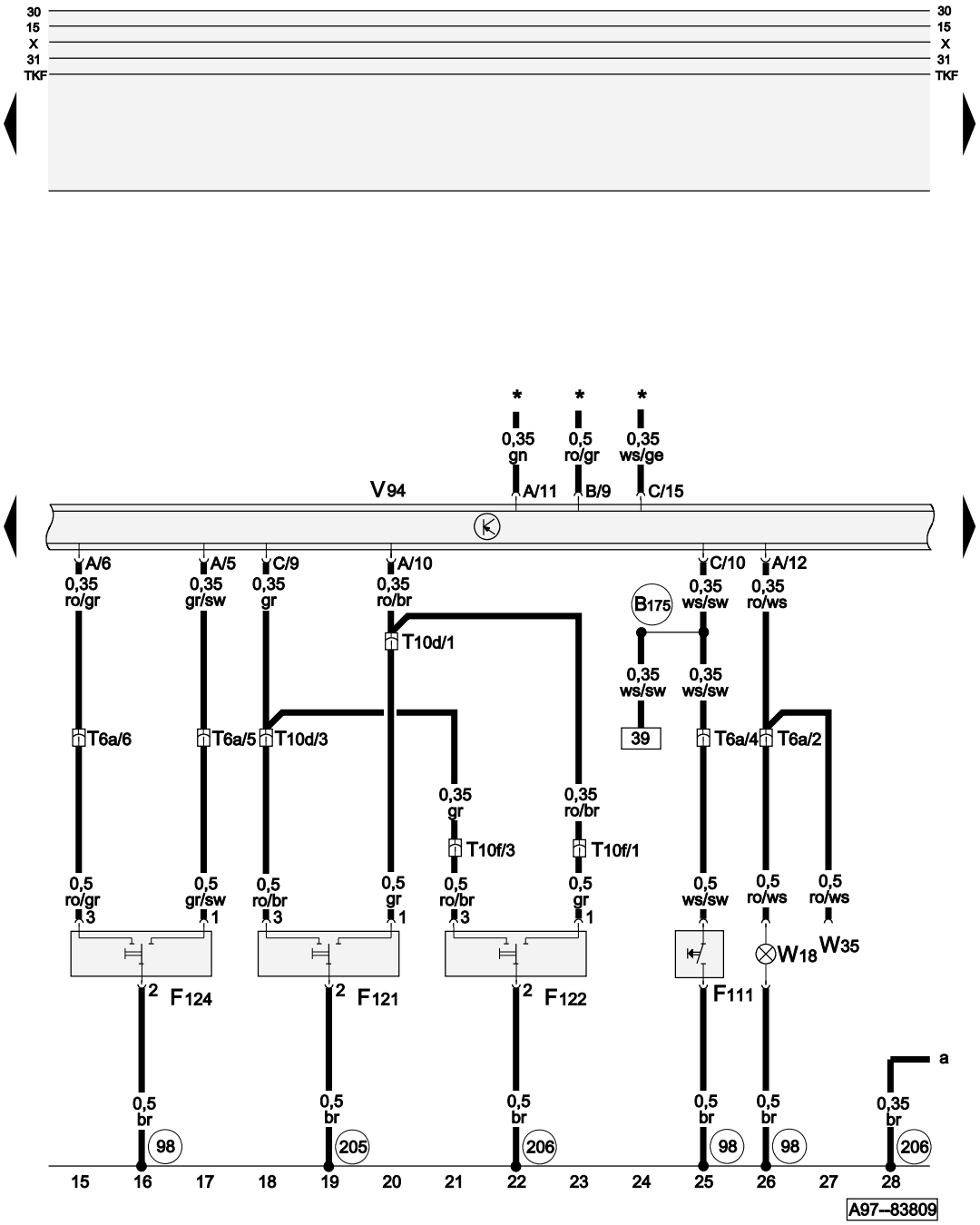


Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

D	Ignition/starter switch
E3	Hazard warning light switch
E150	Interior locking switch, driver's side
J234	Airbag control unit
S6	Fuse in fuse box/relay plate
S14	Fuse in fuse box/relay plate
S237	Fuse in fuse box
S238	Fuse in fuse box
T4h	4-pin connector, black, interior locking, in driver's door
T10d	10-pin connector, brown, connector carrier, A pillar, left
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
205	Earth connection, in door wiring harness - driver's side
238	Earth connection -1-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
*	Only on 4-door models

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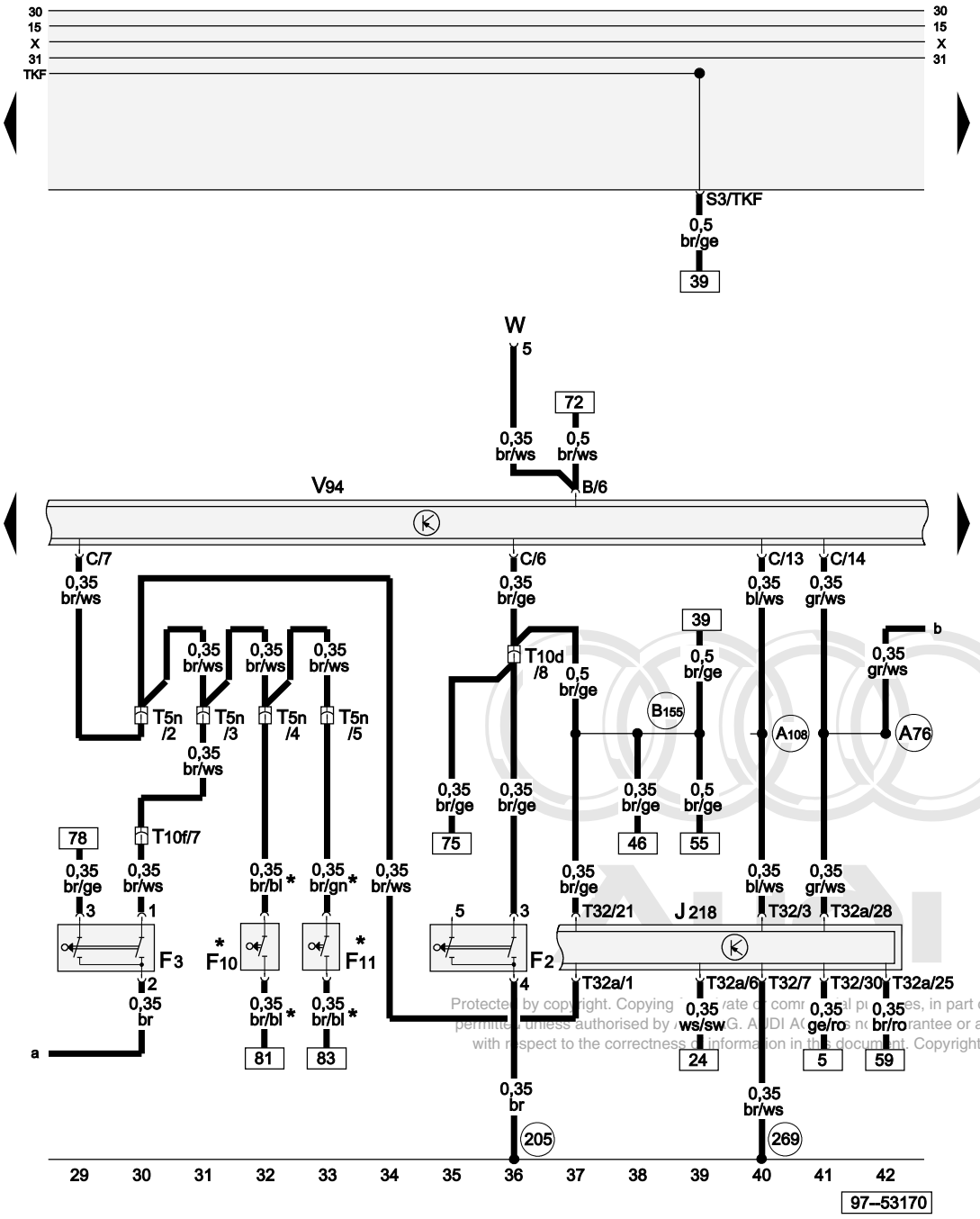


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

F111	Tailgate/boot lid contact switch
F121	Driver's door handle switch for anti-theft alarm
F122	Front passenger's door handle switch for anti-theft alarm
F124	Contact switch in lock cylinder for tailgate/boot lid anti-theft alarm system/central locking system
T6a	6-pin connector, black, in luggage compartment, left
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W18	Luggage compartment light, left
W35	Luggage compartment light, right
98	Earth connection, in tailgate/boot lid wiring harness
205	Earth connection, in door wiring harness - driver's side
206	Earth connection, in door wiring harness, front passenger's side
B175	Connection (central locking), in interior wiring harness
*	See Current Flow Diagram for 'Window lifters' or 'Sliding roof'

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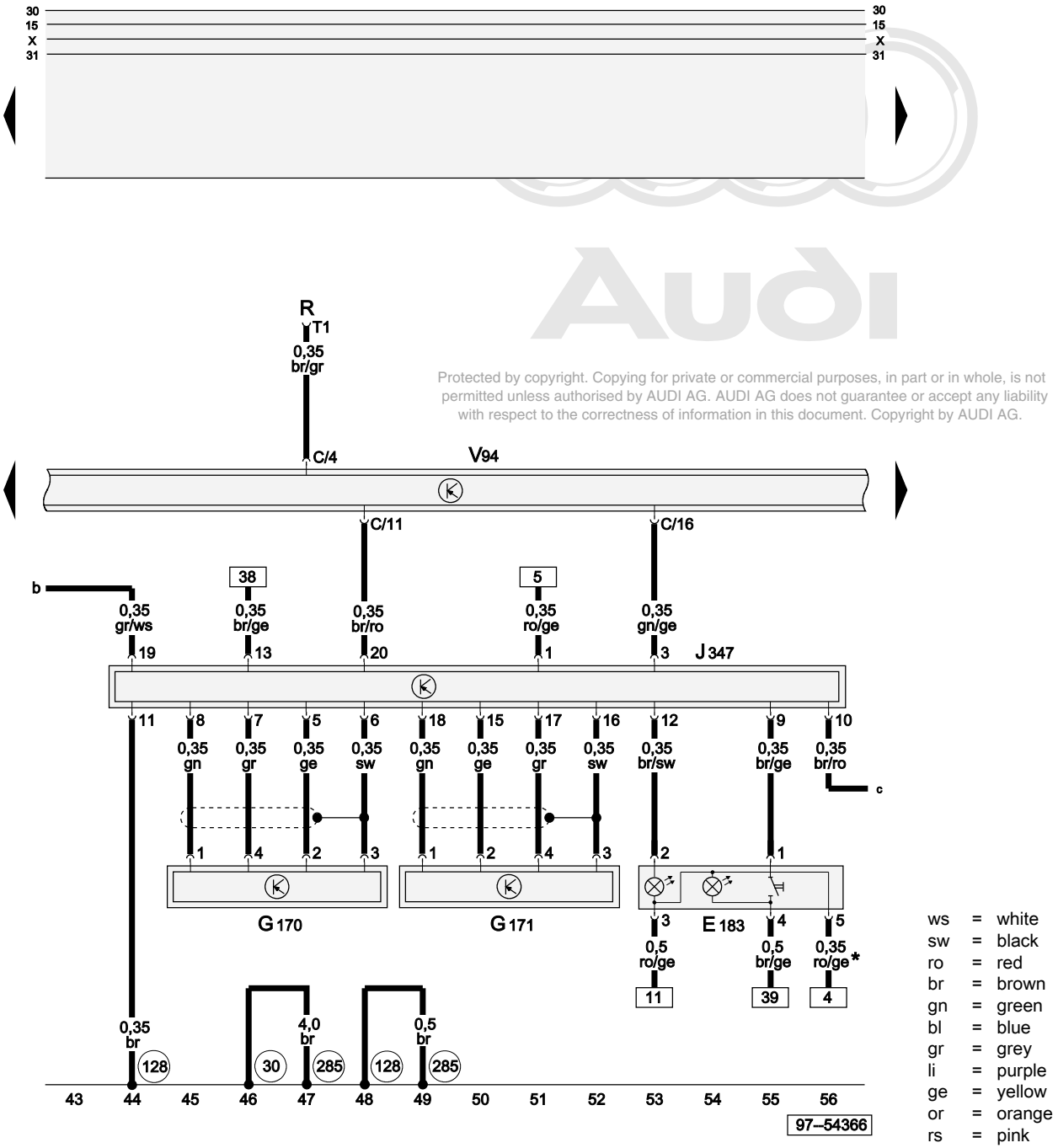


ws = white
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
F10	Rear left door contact switch
F11	Rear right door contact switch
J218	Combi-processor in dash panel insert
T5n	5-pin connector, black, behind side of dash panel, left
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W	Interior light, front
205	Earth connection, in door wiring harness - driver's side
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B155	Connection -2- (DC), in interior wiring harness
*	Only on 4-door models

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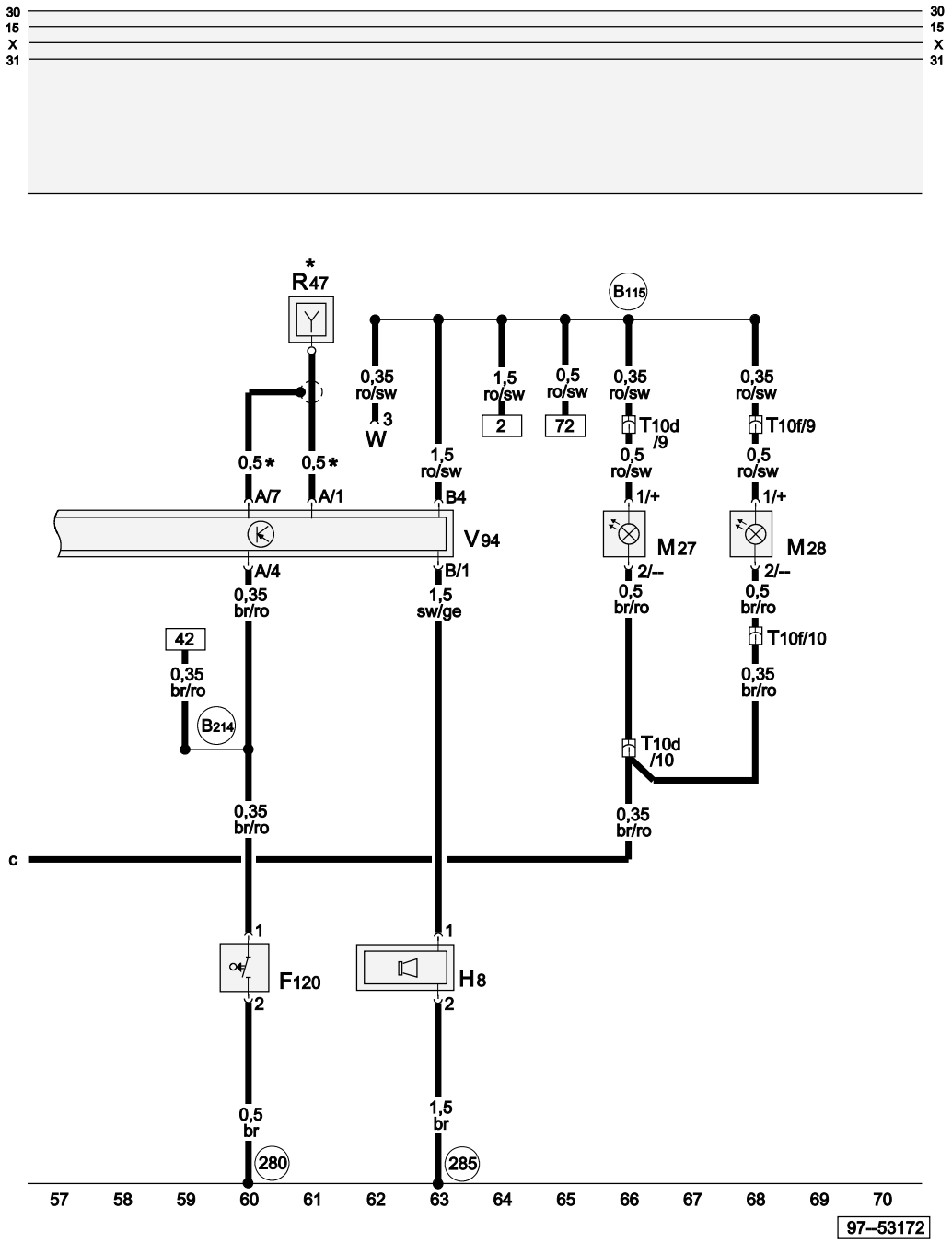


ws = white
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

E183	Interior monitor switch
G170	Left ultra-sonic sensor for anti-theft alarm system
G171	Right ultra-sonic sensor for anti-theft alarm system
J347	Ultra-sonic sensor control unit
R	Radio
T1	Single connector, brown, on radio
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
30	Earth point -1-, next to relay plate
128	Earth connection -1-, in interior light wiring harness
285	Earth connection -7-, in interior wiring harness
*	Only on 4-door models

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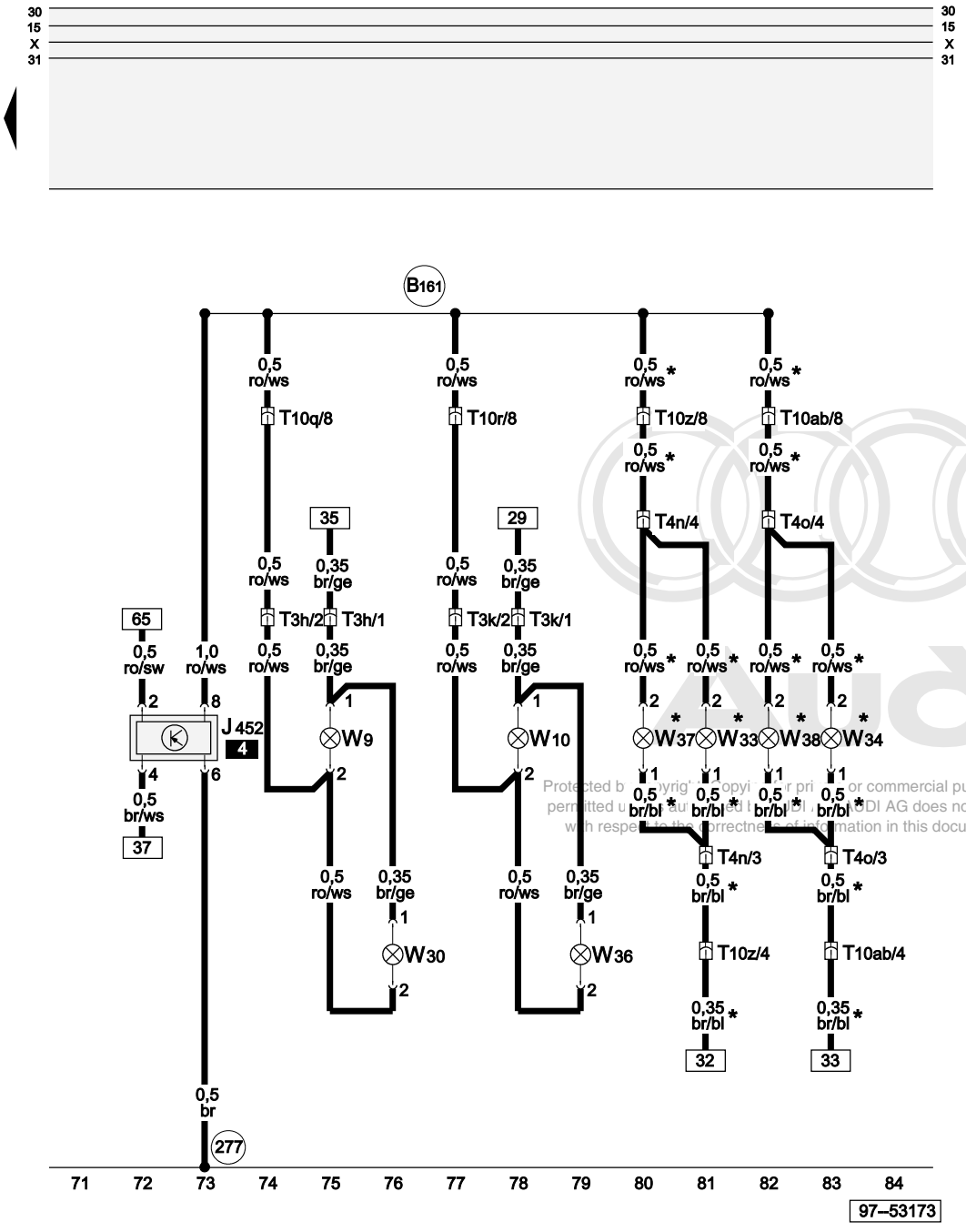


Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

F120	Anti-theft alarm/rodent repellent system contact switch
H8	Anti-theft alarm system horn
M27	Door warning lamp, left
M28	Door warning lamp, right
R47	Central locking and anti-theft alarm system aerial
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W	Interior light, front
280	Earth connection, in communication systems wiring harness
285	Earth connection -7-, in interior wiring harness
B115	Positive (+) connection (30, central electrics), in interior wiring harness
B214	Connection -1- (central locking), in interior wiring harness
*	Only models with radio-operated remote control

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Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

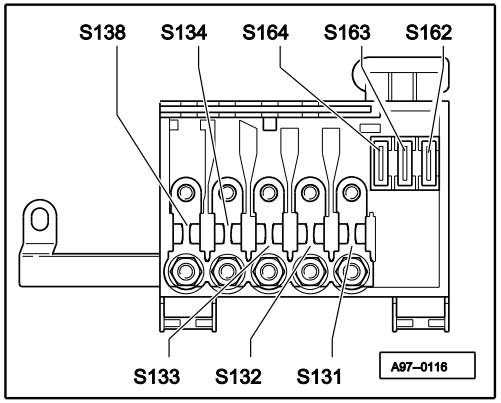
J452	Door warning lamps control unit
T3h	3-pin connector, black, vehicle interior, in driver's door
T3k	3-pin connector, black, vehicle interior, in front passenger's door
T4n	4-pin connector, black, in rear left door
T4o	4-pin connector, black, in rear right door
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right
T10z	10-pin connector, green, connector carrier, B pillar, left
T10ab	10-pin connector, green, connector carrier, B pillar, left
W9	Left footwell light
W10	Right footwell light
W30	Door warning lamp, driver's side
W33	Rear left entry light
W34	Rear right entry light
W36	Door warning lamp, front passenger's side
W37	Door warning lamp, rear left
W38	Door warning lamp, rear right
277	Earth connection -3-, in interior wiring harness
B161	Connection (anti-theft alarm), in interior wiring harness
*	Only on 4-door models

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1.6 litre fuel injection engine (Simos), 75 kW, 4-cylinder, engine code AVU

From September 2000

Main fuse box / battery (engine compartment)



Position of fuses:

S131 -Fuse 1

S132 -Fuse 2

S133 -Fuse 3

S134 -Fuse 4

S138 -Fuse 5

S162 -1 in fuse box/battery

S163 -2 in fuse box/battery

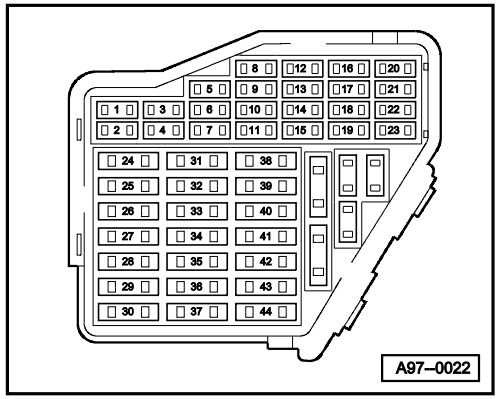
S164 -3 in fuse box/battery

S133 - S132

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S131

Fuse box (dash panel)



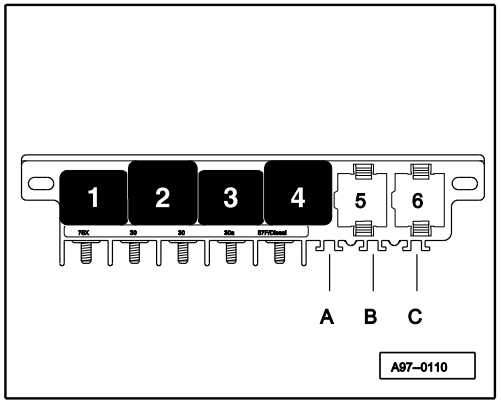
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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours:

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

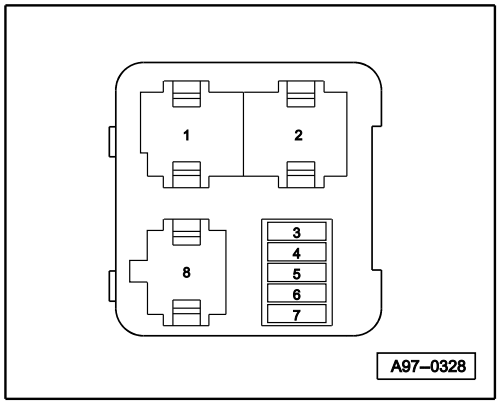
Micro-central electrics (under driver's storage compartment)



Position of relays:

4 - Fuel pump relay

3-point relay carrier/fuse box (engine compartment)



Position of relays:

1 - Secondary air pump relay

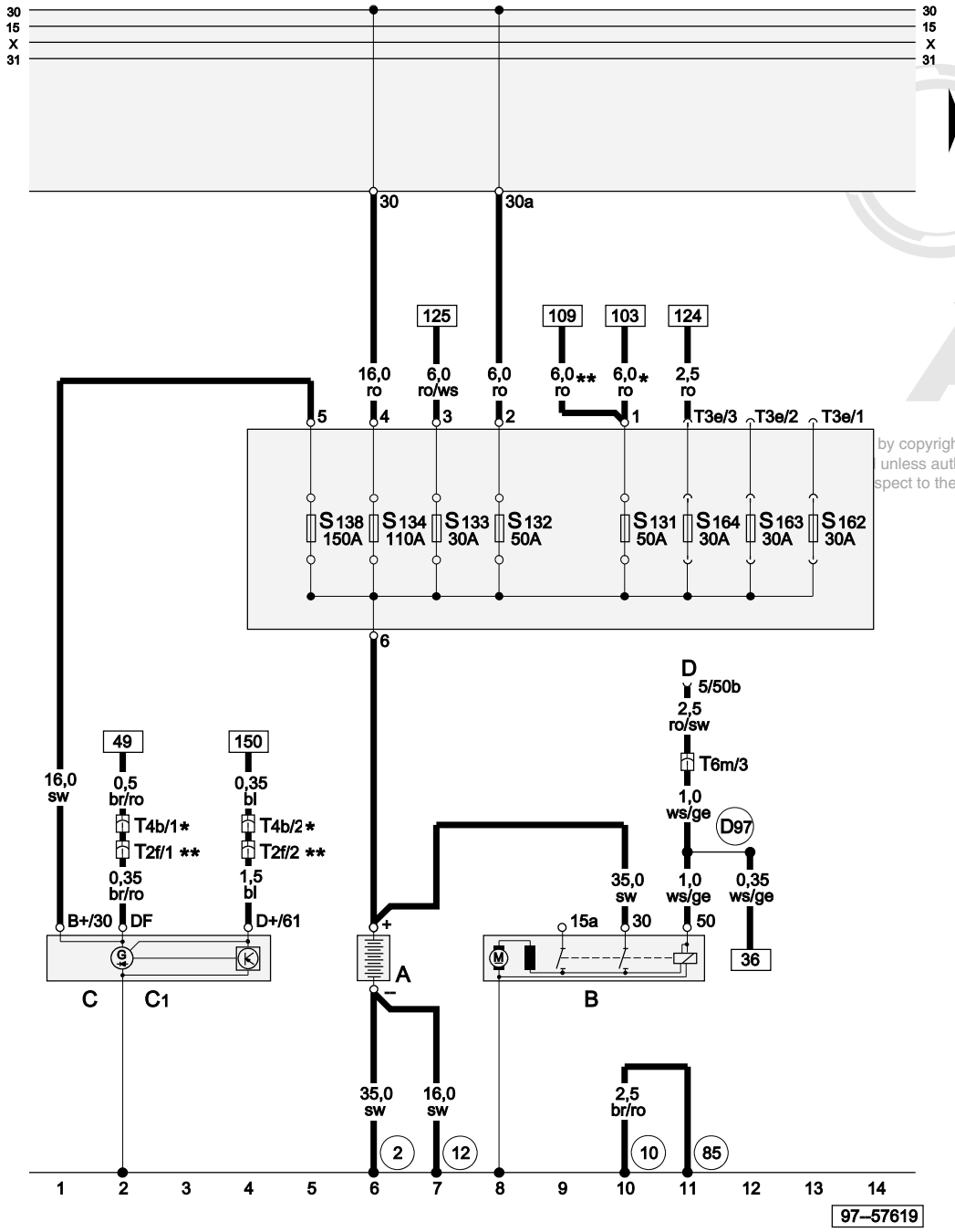
2 - Current supply relay for Simos control unit

Position of fuses:

3 - Brake vacuum pump fuse

4 - Secondary air pump fuse

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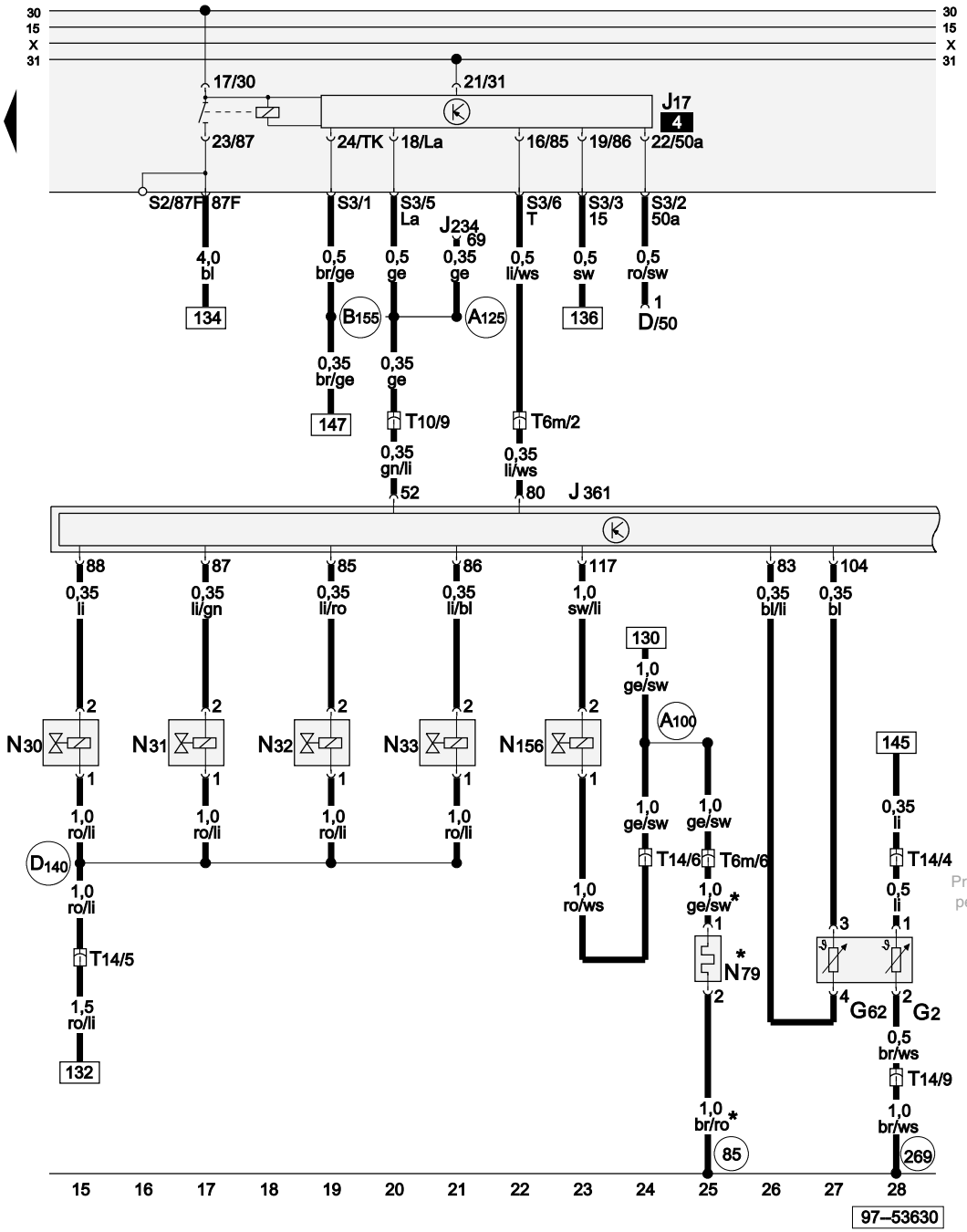
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, starter, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
S138	Fuse 5
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
D97	Connection (50), in engine compartment wiring harness, right

* Only applies to models with air conditioner
** Only applies to models without air conditioner

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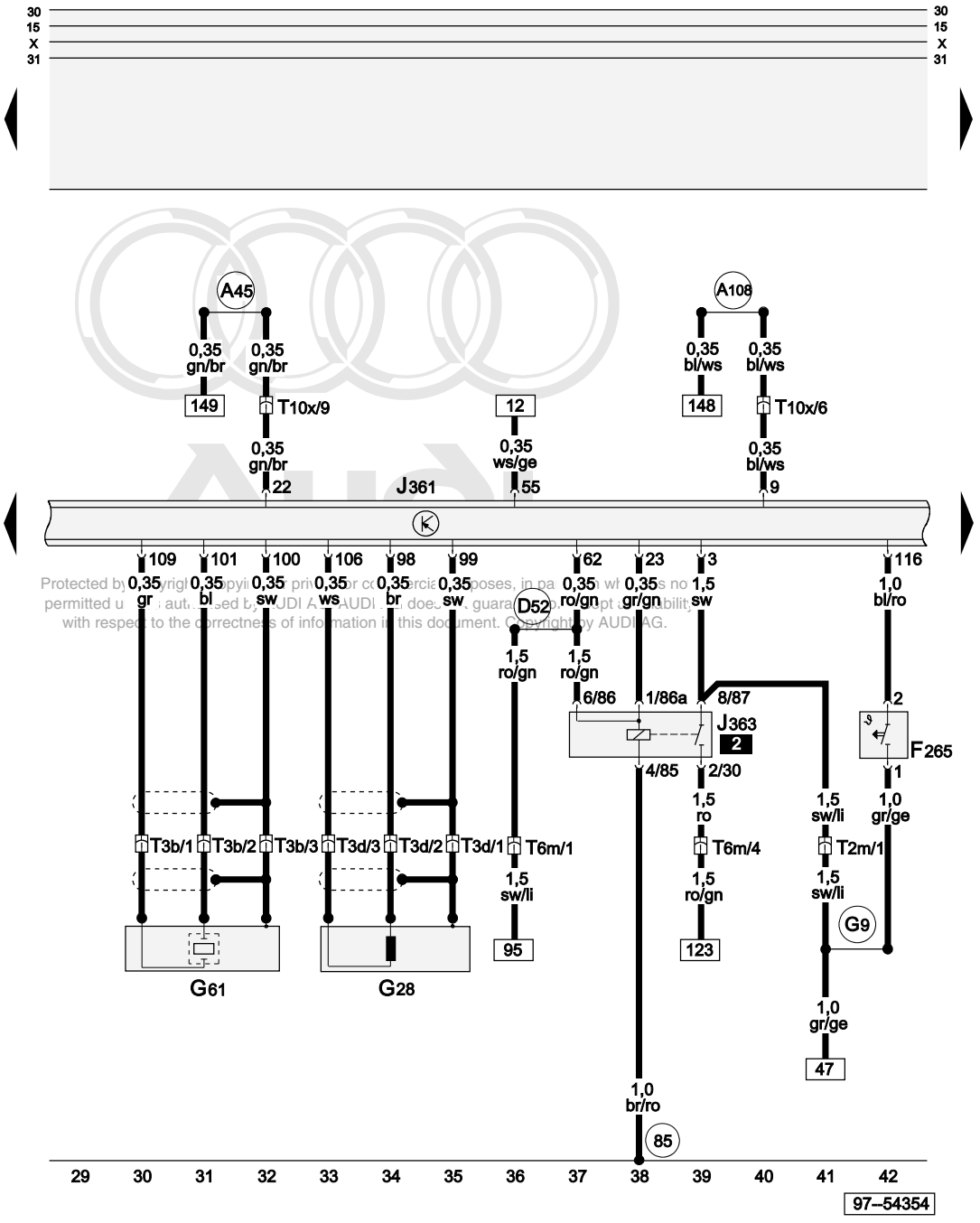


Hall sender, injectors, intake manifold change-over valve, fuel pump relay, coolant temperature senders

D	Ignition/starter switch
G2	Coolant temperature sender
G62	Coolant temperature sender
J17	Fuel pump relay
J234	Airbag control unit
J361	Simos control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N79	Heater element (crankcase breather)
N156	Intake manifold change-over valve
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B155	Connection -2- (TK (door contact)), in interior wiring harness
D140	Connection (injectors), in engine wiring harness
*	Only applies to models with heater element (crankcase breather)

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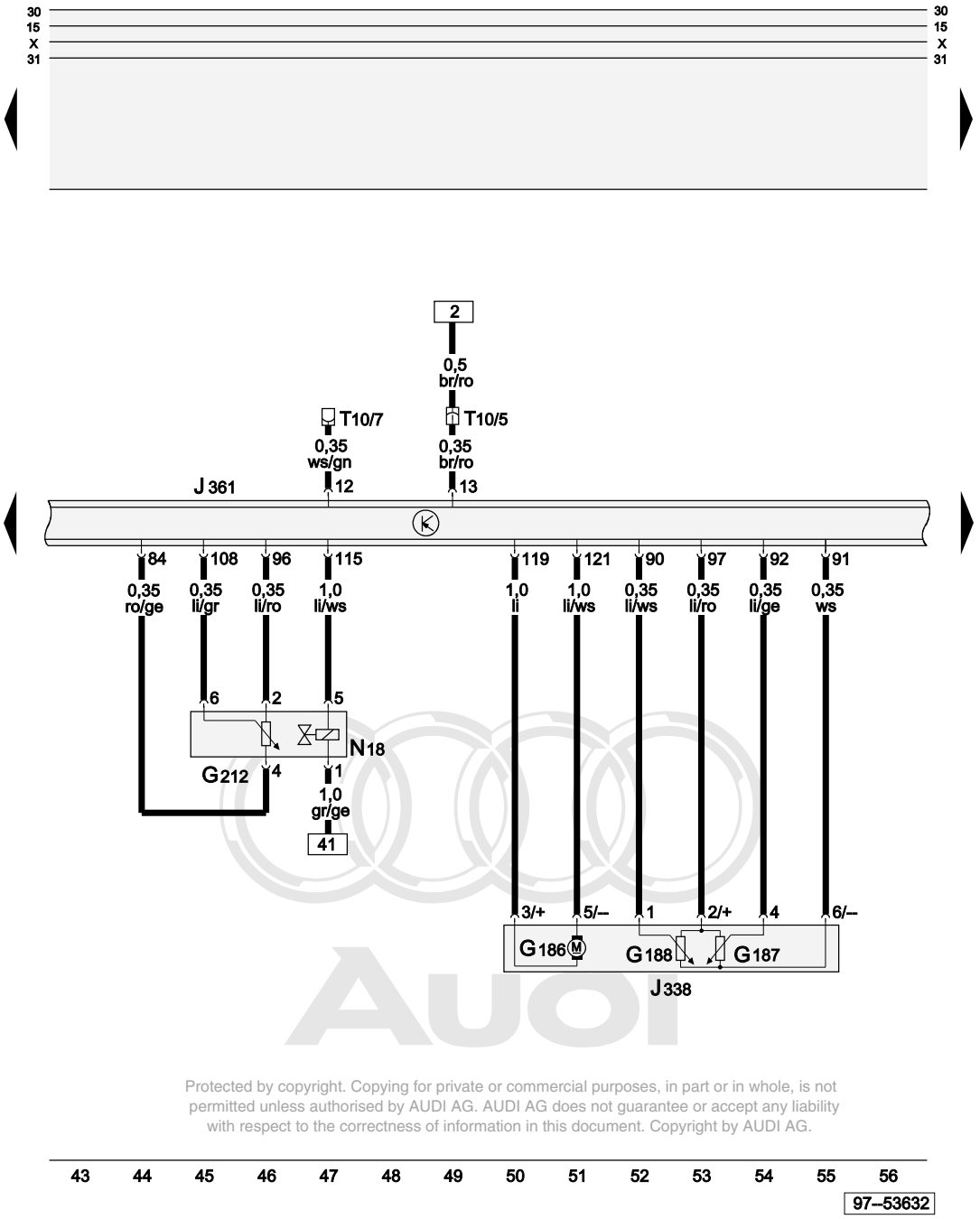


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Engine speed sender, Simos control unit, thermostat for engine cooling, knock sensor

F265	Map-controlled engine cooling thermostat
G28	Engine speed sender
G61	Knock sensor I
J361	Simos control unit
J363	Current supply relay for Simos control unit
T2m	2-pin connector, engine prewiring, wiring duct, in engine compartment, left
T3b	3-pin connector, blue, knock sensor I, in engine compartment
T3d	3-pin connector, white, engine speed sender, in engine compartment
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D52	Positive (+) connection (15a), in engine compartment wiring harness
G9	Connection, in Simos wiring harness

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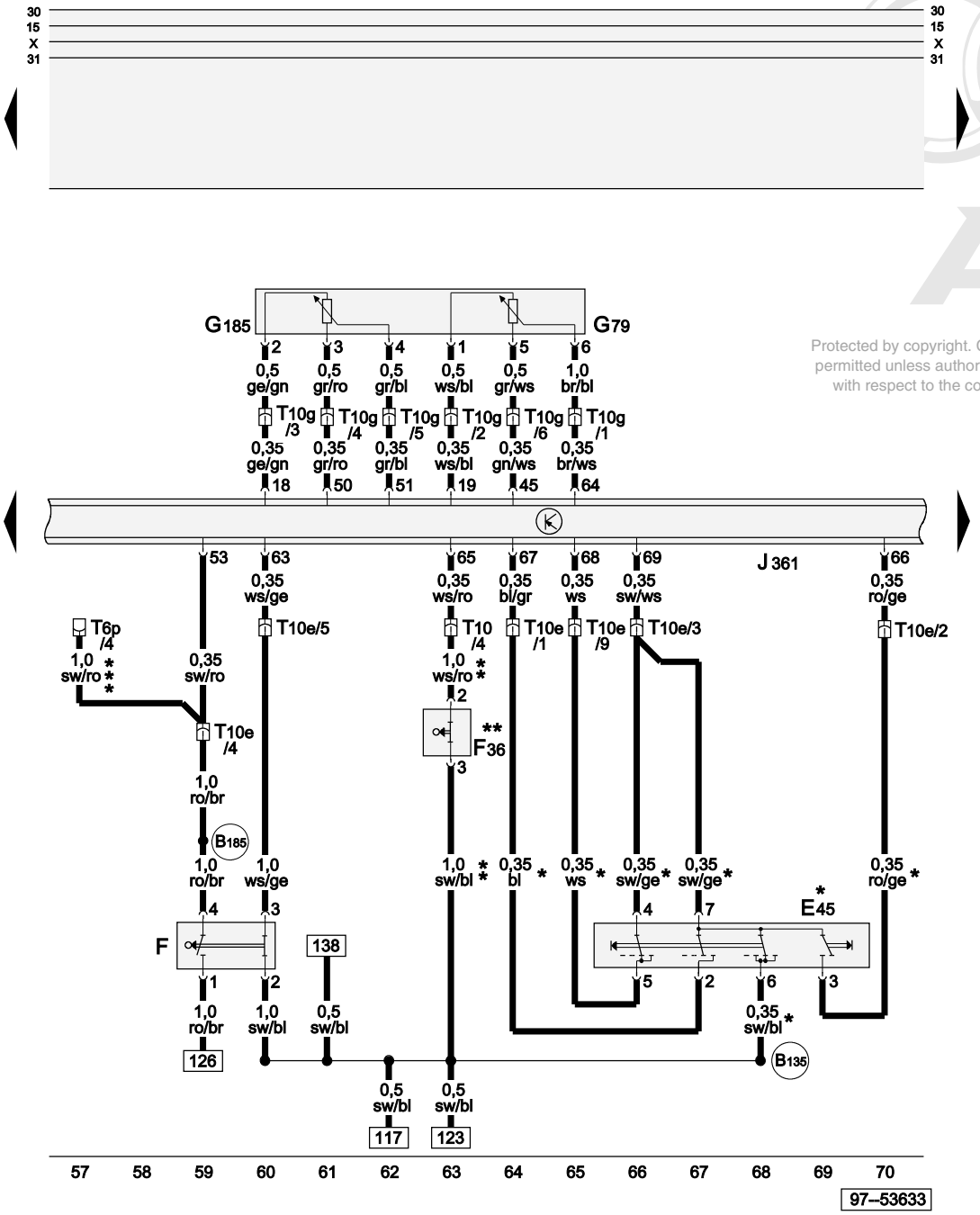


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Simos control unit, throttle valve control unit, exhaust gas recirculation valve

G186	Throttle valve drive (electric throttle operation)
G187	Throttle valve drive angle sender -1- (electric throttle operation)
G188	Throttle valve drive angle sender -2- (electric throttle operation)
G212	Exhaust gas recirculation potentiometer
J338	Throttle valve control unit
J361	Simos control unit
N18	Exhaust gas recirculation valve
T10	10-pin connector, white, in plenum chamber

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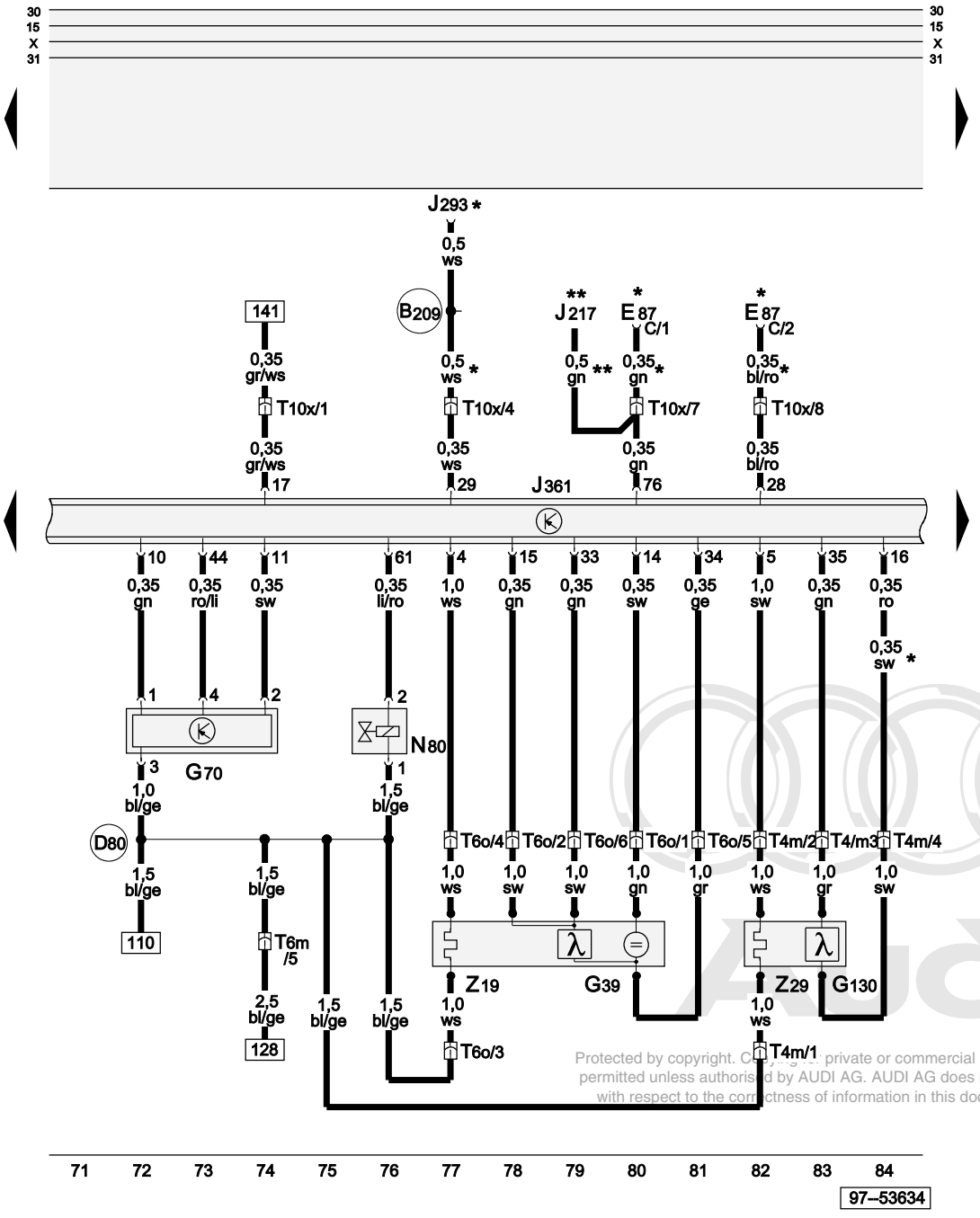


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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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Simos control unit, accelerator pedal position senders, cruise control system switch, clutch pedal switch, brake light switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J361	Simos control unit
T6p	6-pin connector, in engine compartment, left
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox
***	Only models with automatic gearbox

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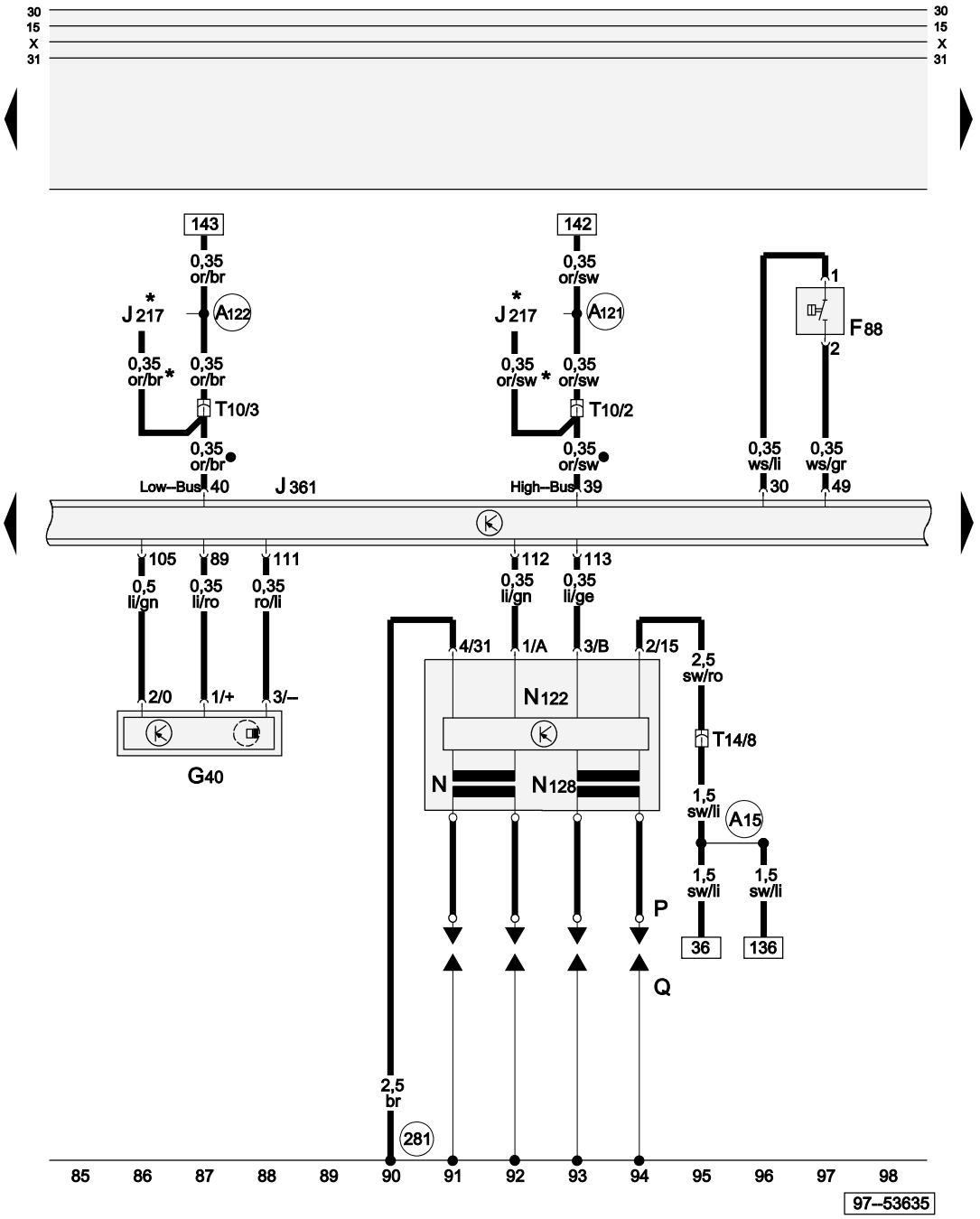


Simos control unit, lambda probes, secondary air inlet valve, control and display unit for air conditioner/Climatronic

E87	Control and display unit for air conditioner/Climatronic
G39	Lambda probe
G70	Air mass meter
G130	Lambda probe downstream of catalytic converter
J217	Automatic gearbox control unit
J293	Radiator fan control unit
J361	Simos control unit
N80	Activated charcoal filter system solenoid valve 1 (pulsed)
T4m	4-pin connector, lambda probe, in engine compartment, right
T6m	6-pin connector, brown, engine compartment, in plenum chamber
T6o	6-pin connector, lambda probe, in engine compartment, right
T10x	10-pin connector, orange, engine compartment, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
B209	Connection (Climatronic sender), in interior wiring harness
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
*	Only models with air conditioner
**	Only models with automatic gearbox

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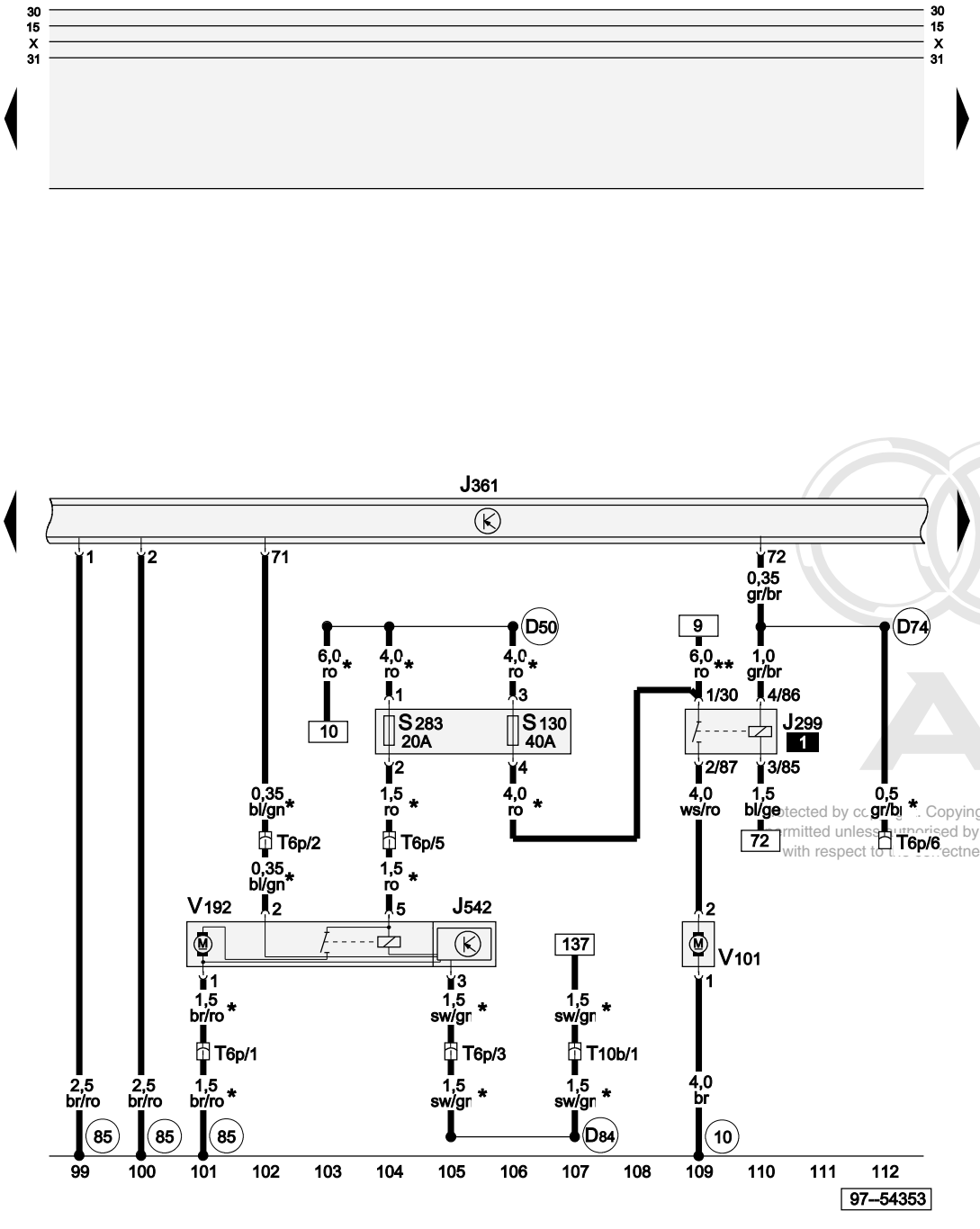


Simos control unit, ignition coil, Hall sender, power assisted steering pressure switch

F88	Power assisted steering pressure switch
G40	Hall sender
J217	Automatic gearbox control unit
J361	Simos control unit
N	Ignition coil
N122	Final output stage
N128	Ignition coil 2
T10	10-pin connector, white, in plenum chamber
P	Spark plug connector
Q	Spark plugs
T14	14-pin connector, in engine compartment, left
281	Earth connection -1-, in engine prewiring wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
•	CAN bus (data wire)
*	Only models with automatic gearbox

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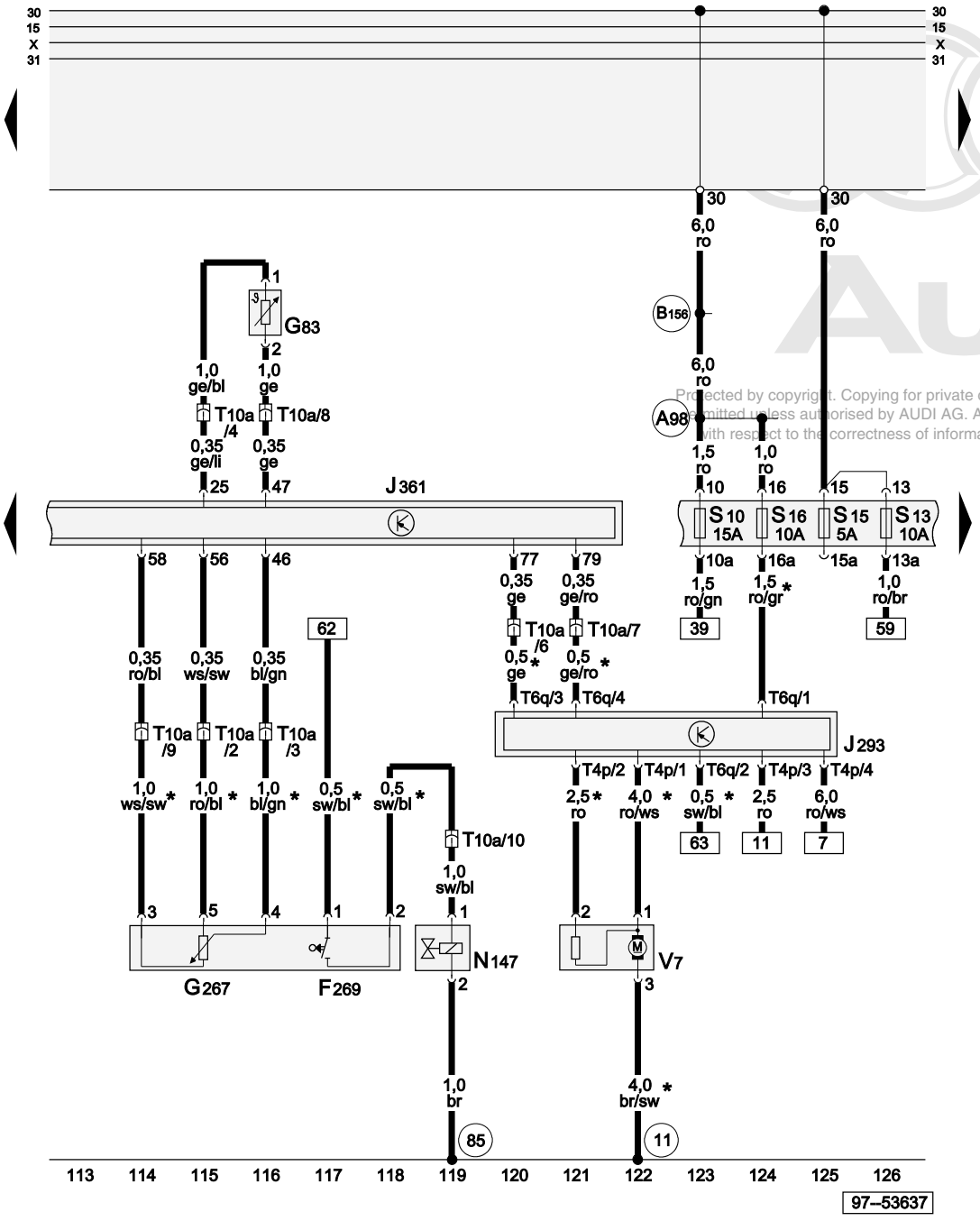
Simos control unit, brake servo control unit, vacuum pump for brakes, secondary air pump motor, secondary air pump relay

J299	Secondary air pump relay
J361	Simos control unit
J542	Brake servo control unit
S130	Secondary air pump fuse
S283	Brake vacuum pump fuse
T6p	6-pin connector, in engine compartment, left
T10b	10-pin connector, grey, in plenum chamber
V101	Secondary air pump motor
V192	Vacuum pump for brakes
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
D50	Positive (+) connection (30), in engine compartment wiring harness
D74	Connection (86), in engine compartment wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox

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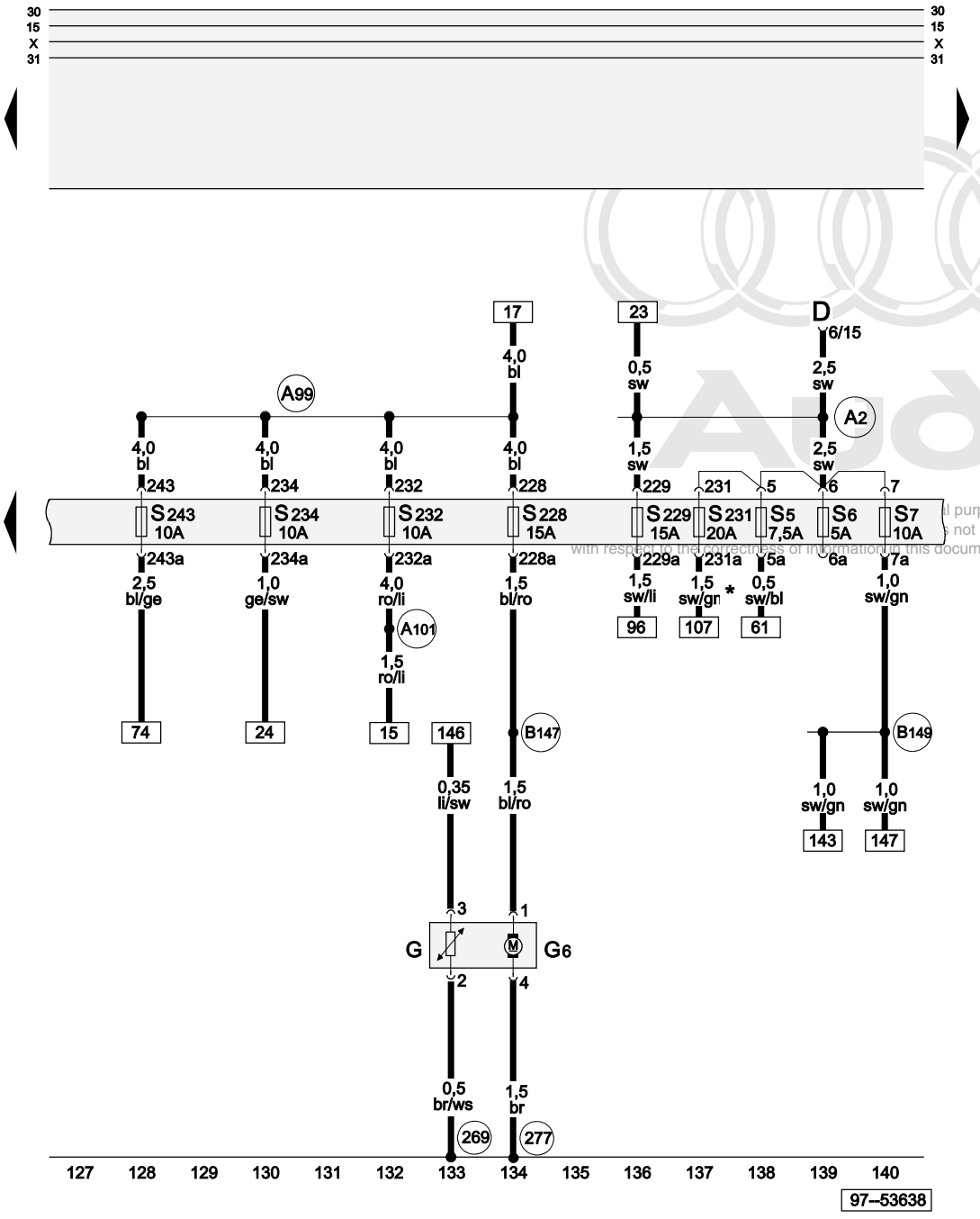


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Simos control unit, coolant temperature sender, heating for passenger compartment, radiator fan control unit

F269	Temperature flap position switch
G83	Coolant temperature sender, radiator outlet
G267	Temperature selection rotary knob potentiometer
J293	Radiator fan control unit
J361	Simos control unit
N147	Two-way valve for coolant cut-off valve
S10	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S15	Fuse in fuse box/relay plate
S16	Fuse in fuse box/relay plate
T4p	4-pin connector, on radiator fan control unit
T6q	6-pin connector, on radiator fan control unit
T10a	10-pin connector, green, in plenum chamber
V7	Radiator fan
11	Earth point, in battery box
85	Earth connection -1-, in engine compartment wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
*	Only models with automatic gearbox

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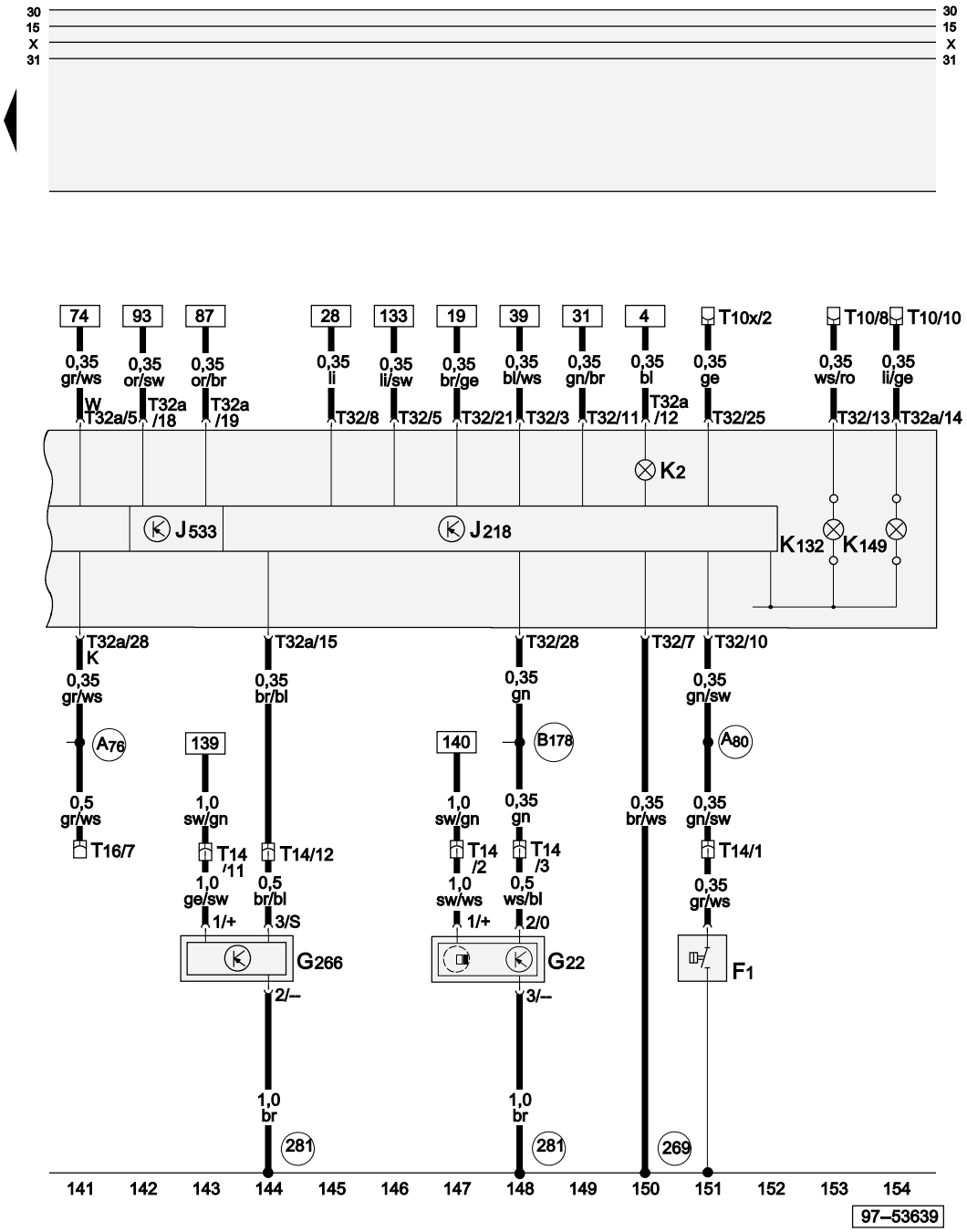


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Fuses, fuel gauge sender, fuel pump

D	Ignition/starter switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
S5	Fuse in fuse box/relay plate
S6	Fuse in fuse box/relay plate
S7	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S229	Fuse in fuse box
S231	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
269	Earth connection (sender earth) -1-, in dash panel wiring harness
277	Earth connection -3-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
*	Only models with automatic gearbox

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Dash panel insert, oil pressure switch, speedometer sender (Hall sender, on gearbox) oil level/oil temperature sender

F1	Oil pressure switch
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level/oil temperature sender
J218	Combi-processor in dash panel insert
J533	Data bus diagnostic interface
K2	Alternator warning lamp
K149	Engine electronics warning lamp
K132	Electronic power control fault lamp
T10	10-pin connector, white, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
B178	Connection (speed signal), in interior wiring harness

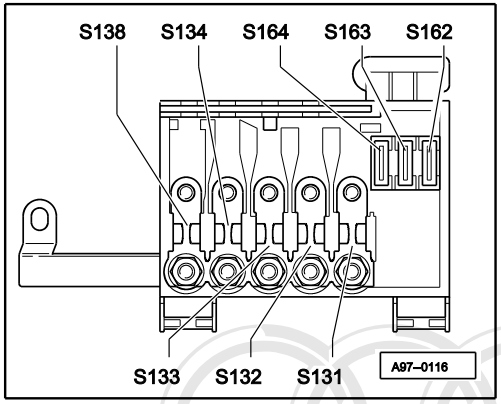
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1.8 litre fuel injection engine (Motronic), 92 kW, 4-cylinder, engine code APG

from September 2000

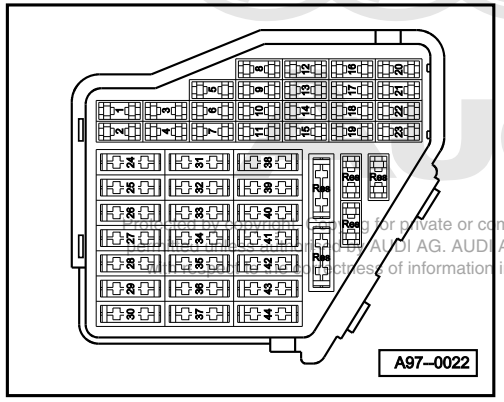
Main fuse box / battery (engine compartment)



Position of fuses:

S131 -Fuse 1
S132 -Fuse 2
S133 -Fuse 3
S134 -Fuse 4
S138 -Fuse 5
S162 -1 in fuse box/battery
S163 -2 in fuse box/battery
S164 -3 in fuse box/battery

Fuse box (dash panel)



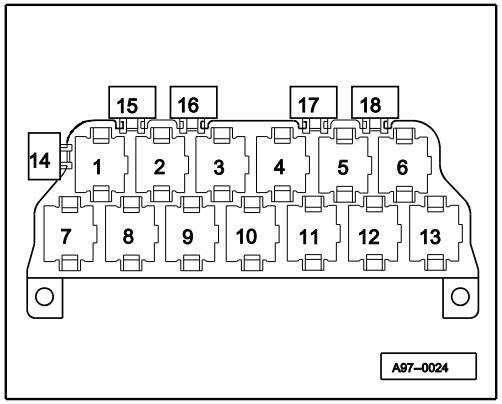
Fuse colours:

30 A -green
25 A -white
20 A -yellow
15 A -blue
10 A -red
7.5 A -brown
5 A -beige

From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

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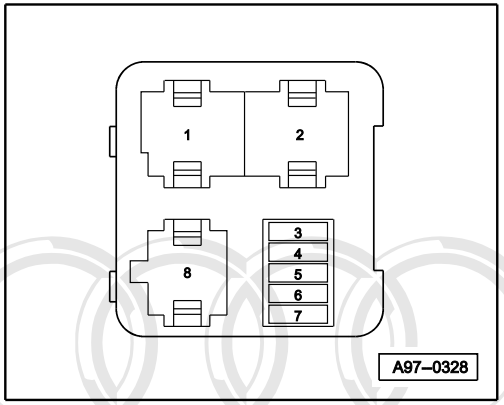
13-point relay carrier (under driver's storage compartment)



Position of relays:

13 - Coolant pump control unit

3-point relay carrier/fuse box (engine compartment)



Position of relays:

1 - Secondary air pump relay

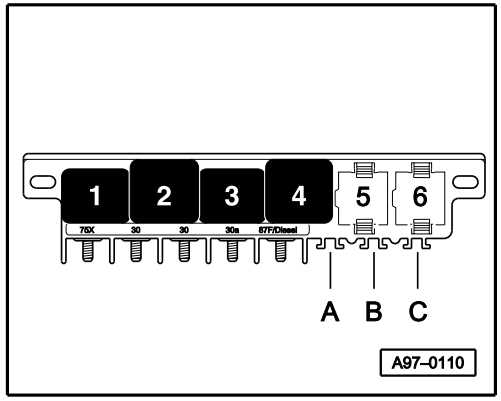
2 - Motronic current supply relay

Position of fuses:

3 - Brake vacuum pump fuse

4 - Secondary air pump fuse

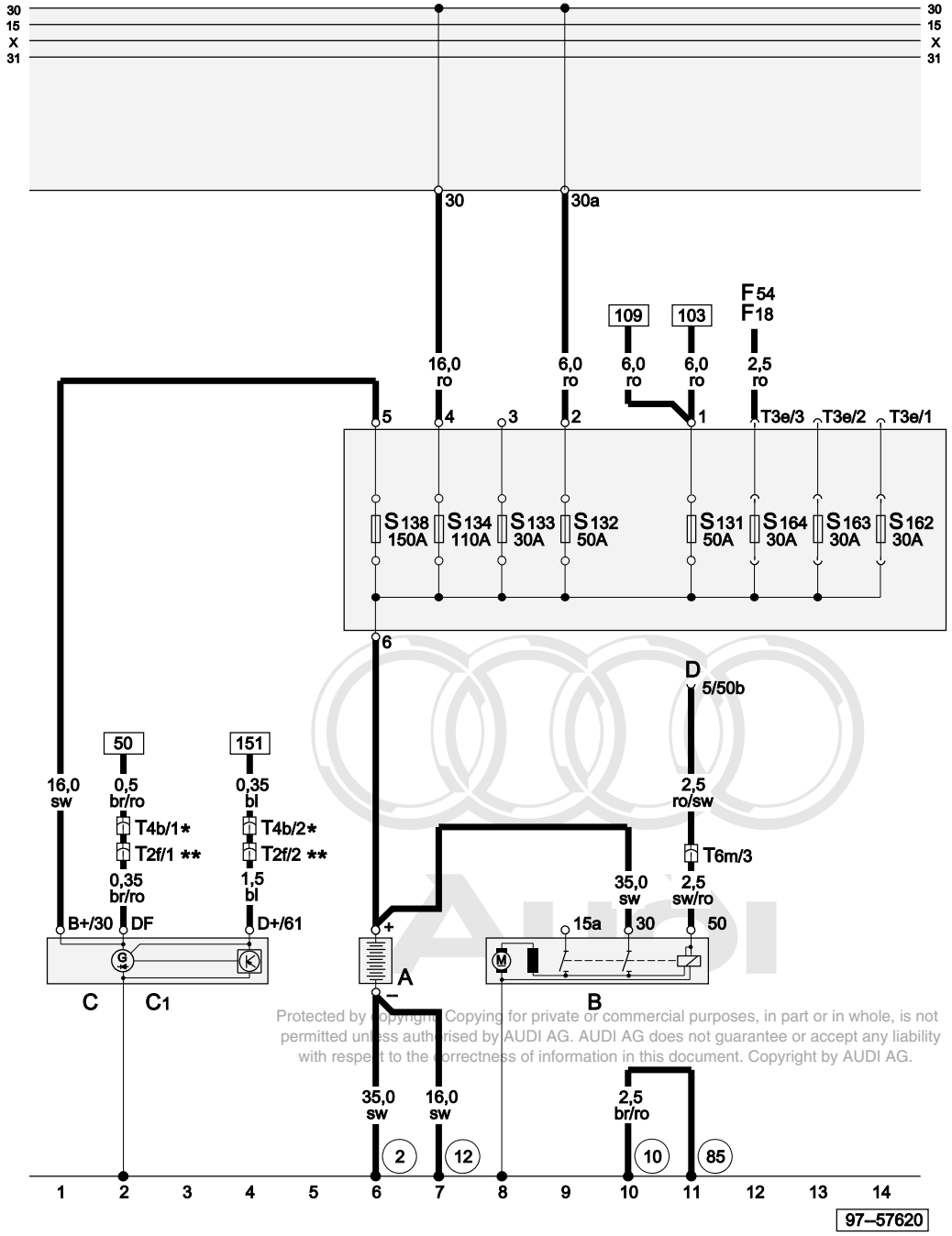
Micro-central electrics (under driver's storage compartment)



Position of relays:

4 - Fuel pump relay

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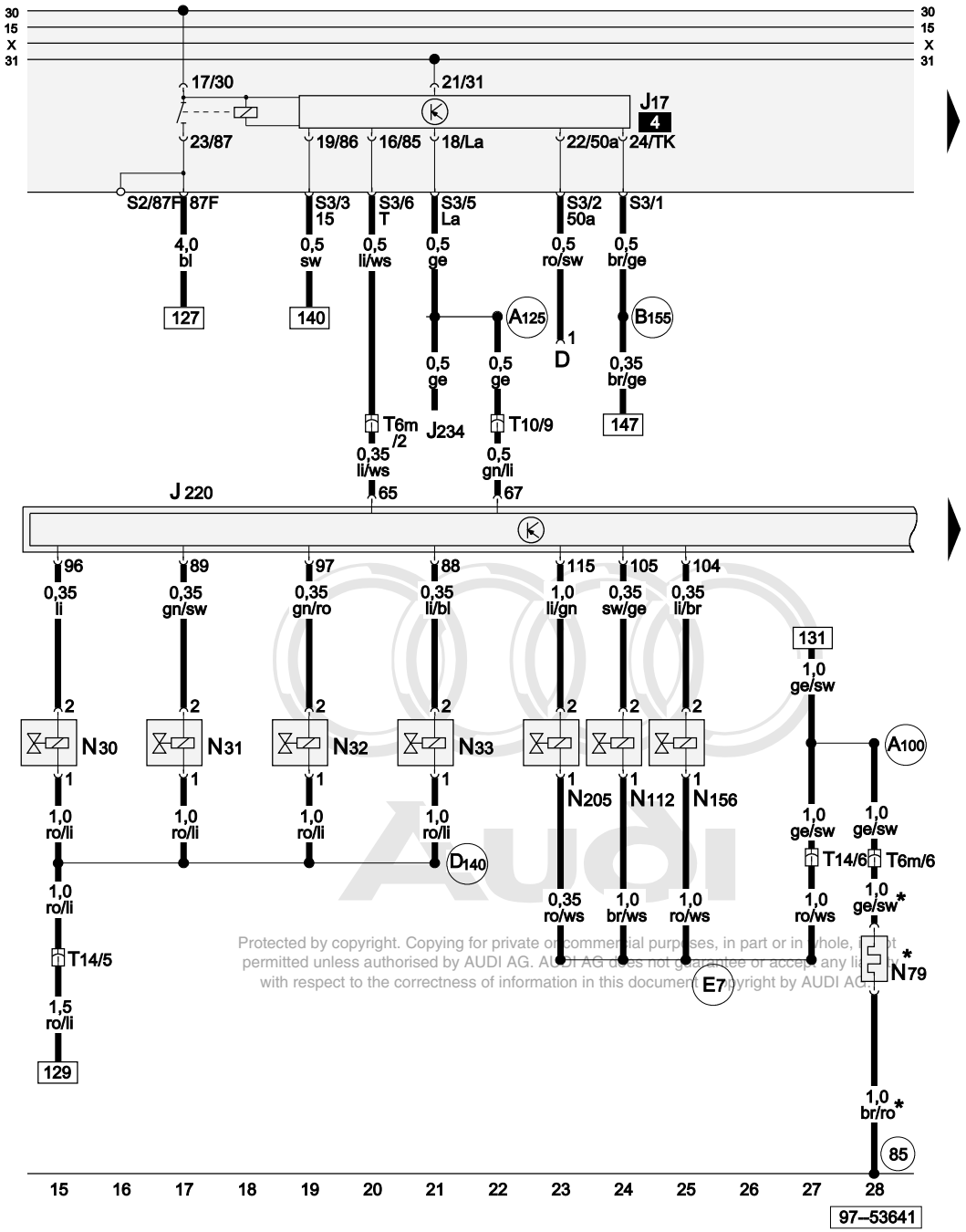


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Battery, starter, alternator, ignition/starter switch, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
S131	Fuse 1 in fuse box/battery
S132	Fuse 2 in fuse box/battery
S133	Fuse 3 in fuse box/battery
S134	Fuse 4 in fuse box/battery
S138	Fuse 5 in fuse box/battery
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
*	Only applies to models with air conditioner
**	Only applies to models without air conditioner

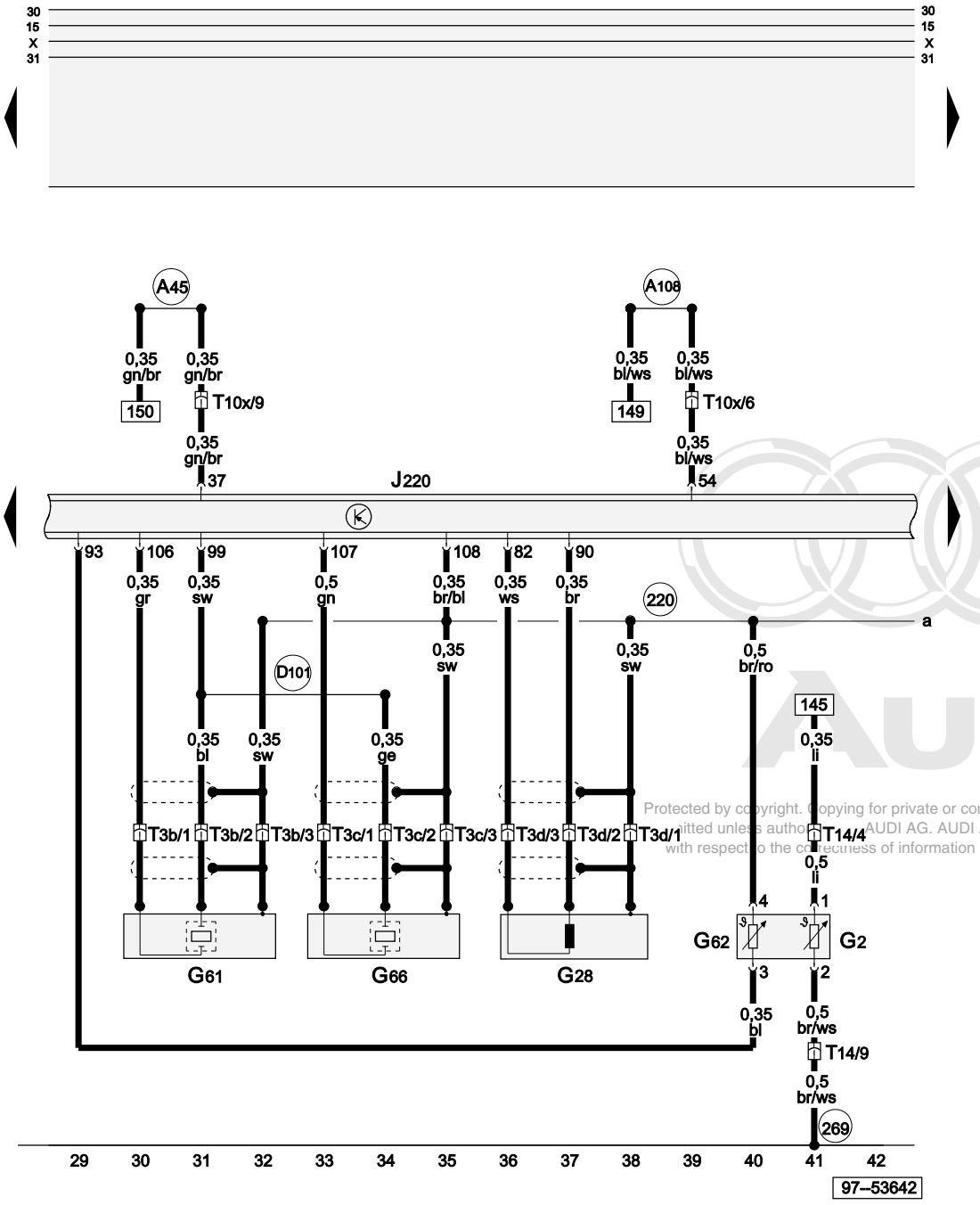


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Motronic control unit, fuel pump relay, injectors, solenoid valves

D	Ignition/starter switch
J17	Fuel pump relay
J220	Motronic control unit
J234	Airbag control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N79	Heater element (crankcase breather)
N112	Secondary air inlet valve
N156	Intake manifold change-over valve
N205	Inlet camshaft timing adjustment valve -1-
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
A100	Connection -2- (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B155	Connection -2- (TK (door contact)), in interior wiring harness
D140	Connection (injectors), in engine wiring harness
E7	Positive (+) connection (87a), in Motronic wiring harness
*	Only applies to models with heater element (crankcase breather)

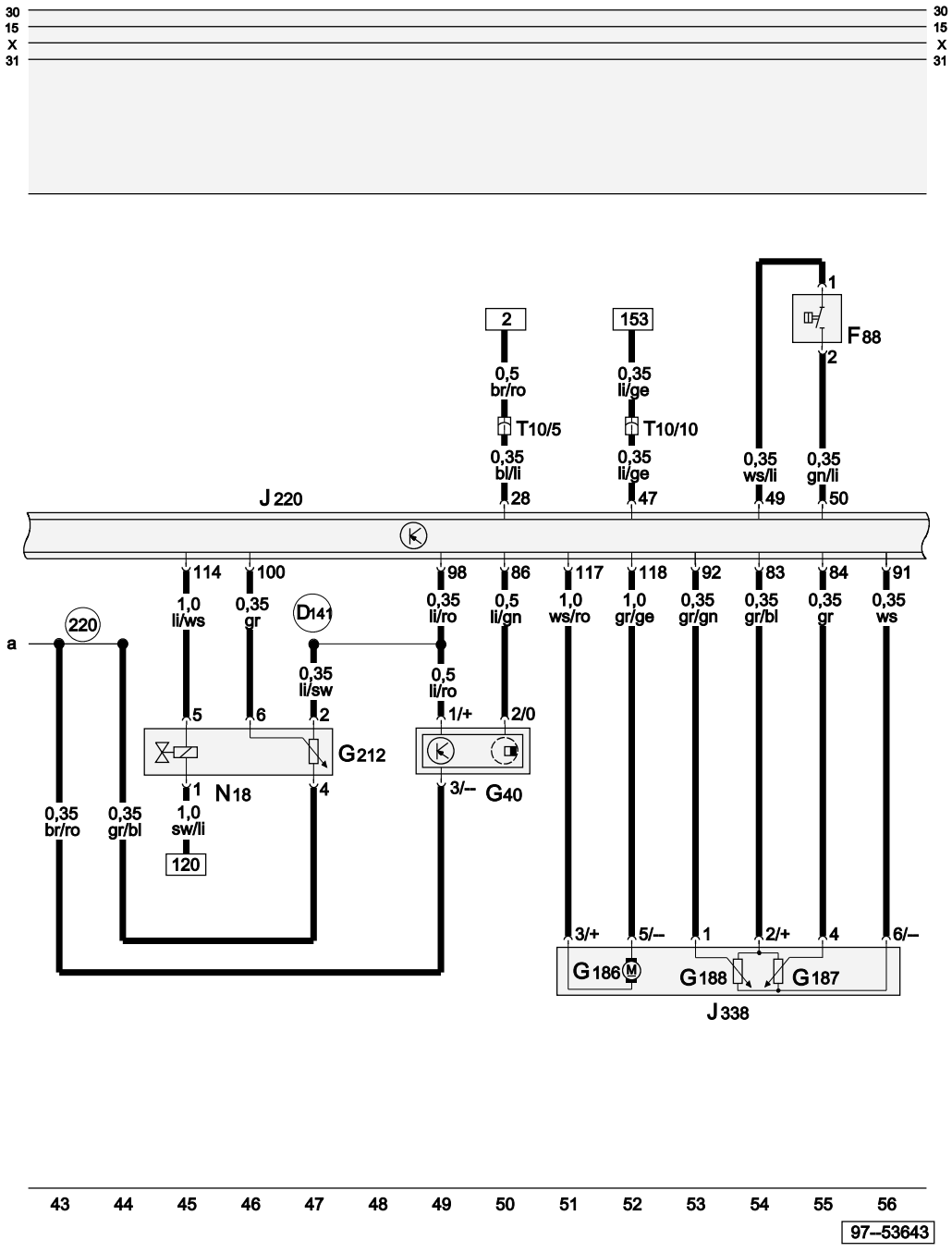


Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor I
G62	Coolant temperature sender
G66	Knock sensor II
J220	Motronic control unit
T3b	3-pin connector, blue, knock sensor I, in engine compartment
T3c	3-pin connector, grey, knock sensor II, in engine compartment
T3d	3-pin connector, white, engine speed sender, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D101	Connection -1-, in engine compartment wiring harness

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rs	=	pink

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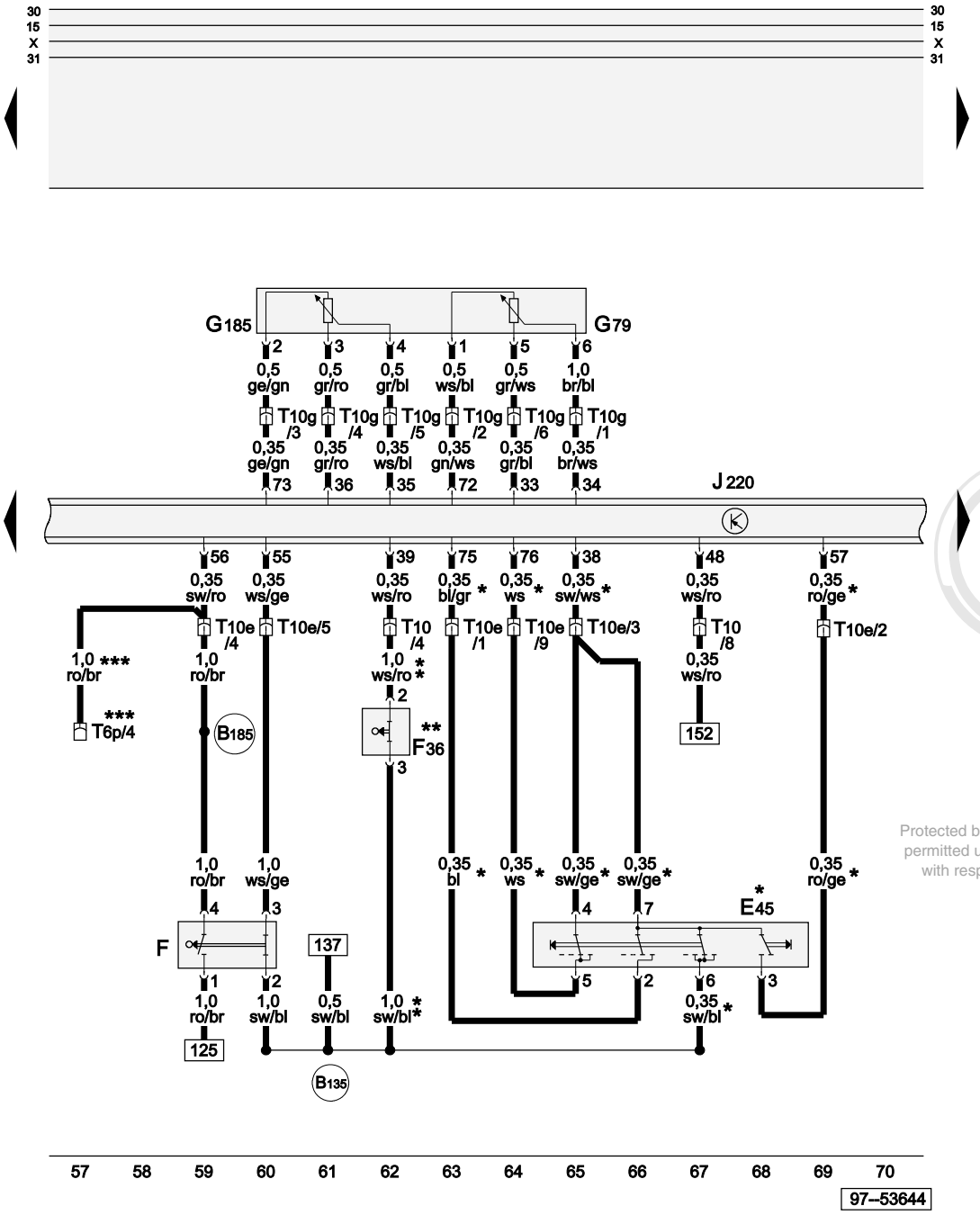


Motronic control unit, throttle valve control unit, power assisted steering pressure switch, Hall sender, exhaust gas recirculation valve

F88	Power assisted steering pressure switch
G40	Hall sender
G186	Throttle valve drive (electric throttle operation)
G187	Throttle valve drive angle sender -1- (electric throttle operation)
G188	Throttle valve drive angle sender -2- (electric throttle operation)
G212	Exhaust gas recirculation potentiometer
J220	Motronic control unit
J338	Throttle valve control unit
N18	Exhaust gas recirculation valve
T10	10-pin connector, white, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
D141	Connection (5V), in engine prewiring wiring harness

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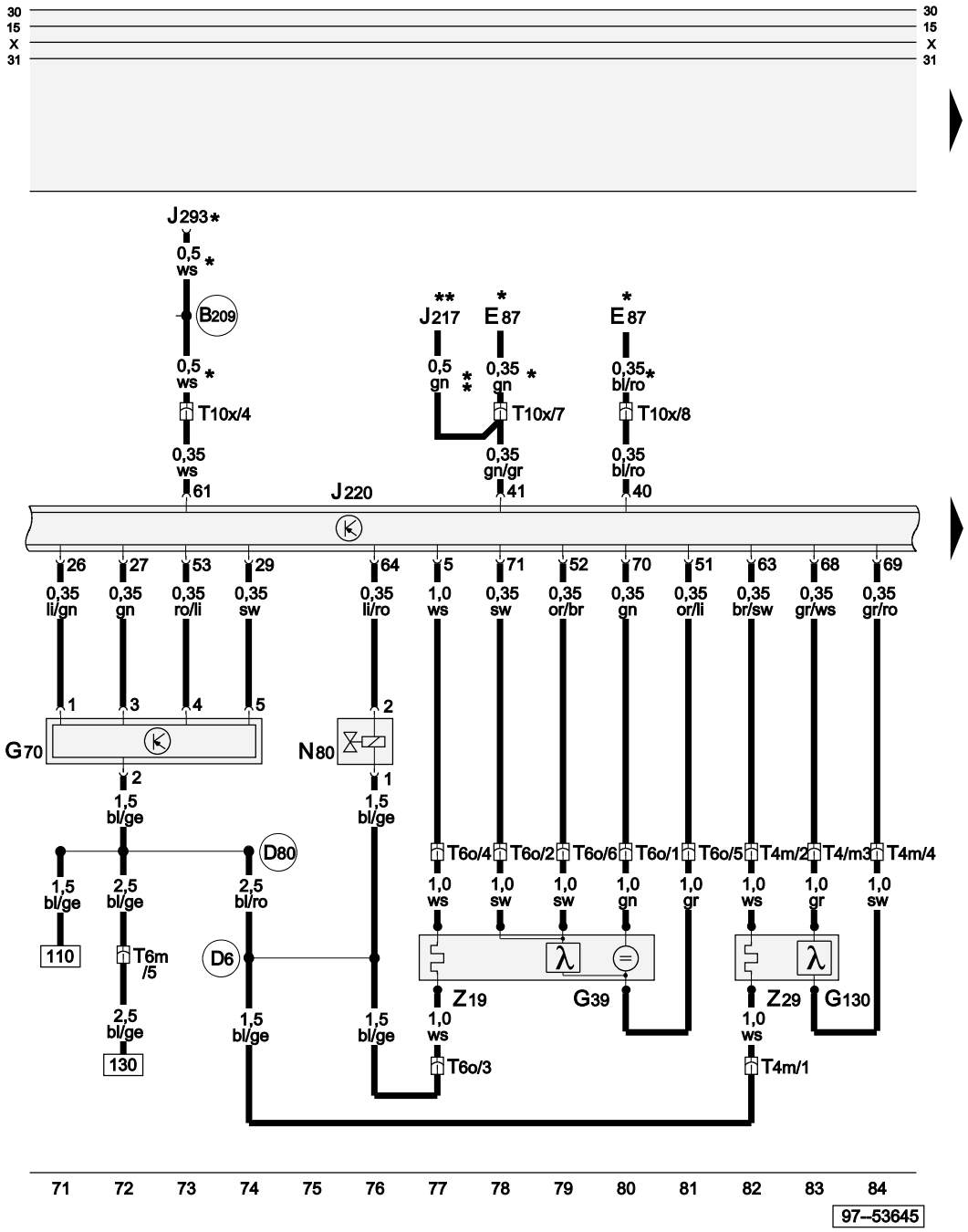


Motronic control unit, accelerator pedal position senders, brake light switch, clutch pedal switch, cruise control system switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J220	Motronic control unit
T6p	6-pin connector, in engine compartment, left
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox
***	Only models with automatic gearbox

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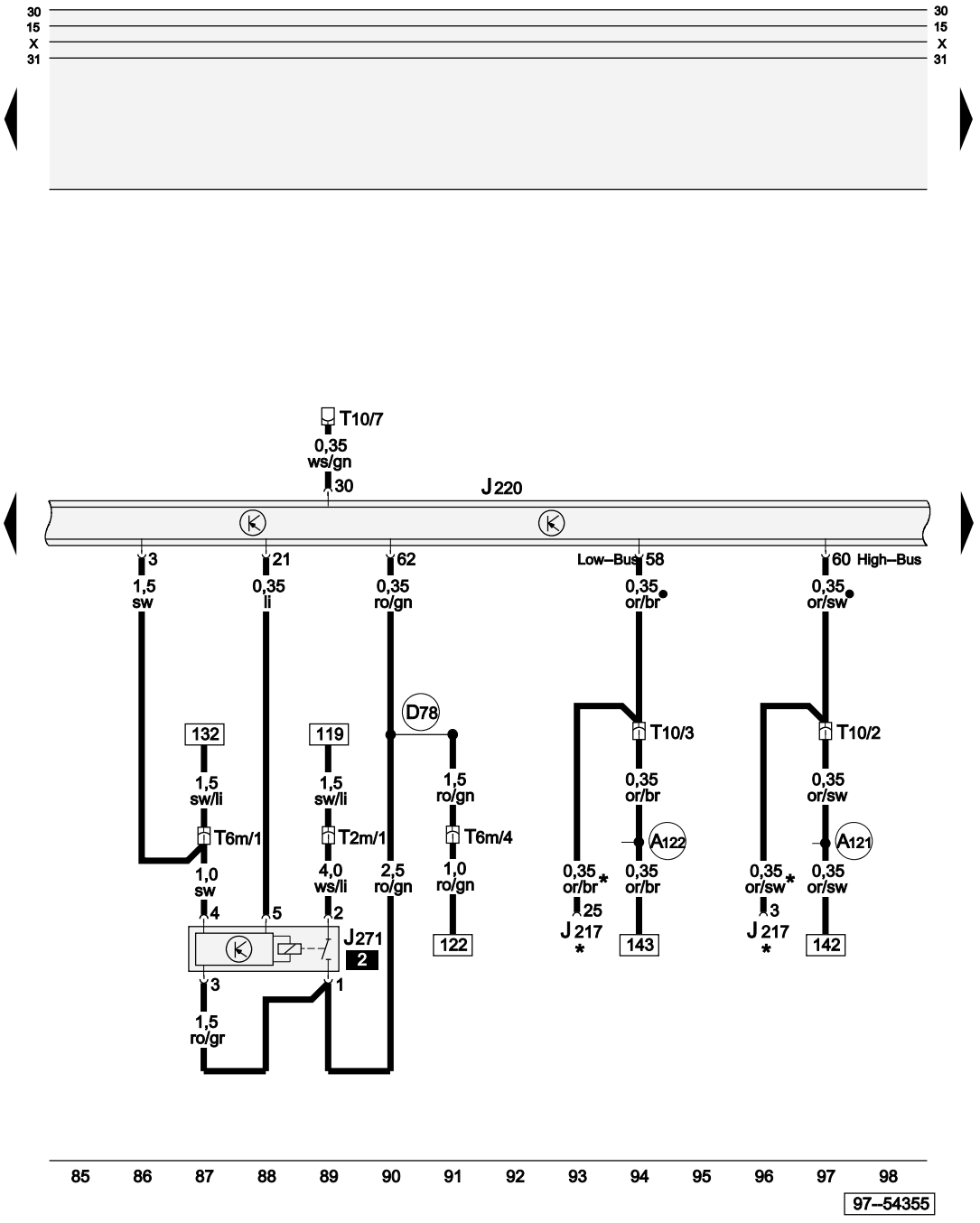


Motronic control unit, air mass meter, activated charcoal filter system solenoid valve 1, lambda probes

E87	Control and display unit for air conditioner/Climatronic
G39	Lambda probe
G70	Air mass meter
G130	Lambda probe downstream of catalytic converter
J217	Automatic gearbox control unit
J220	Motronic control unit
J293	Radiator fan control unit
N80	Activated charcoal filter system solenoid valve 1 (pulsed)
T4m	4-pin connector, lambda probe, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T6o	6-pin connector, lambda probe, in engine compartment, right
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
B209	Connection (Climatronic sender), in interior wiring harness
D6	Connection (lambda), in front right wiring harness
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
*	Only models with air conditioner
**	Only models with automatic gearbox

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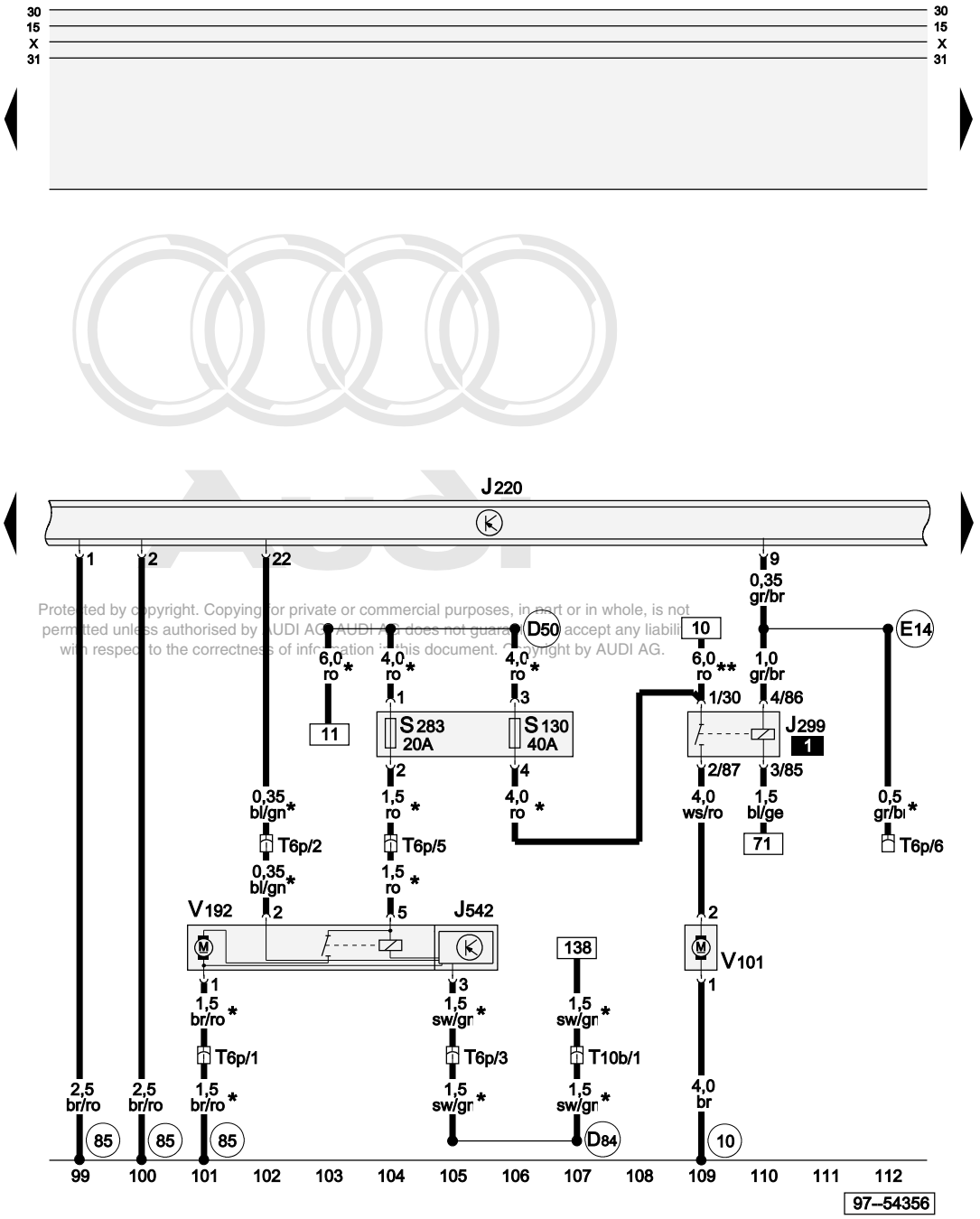


Motronic control unit, Motronic current supply relay

J217	Automatic gearbox control unit
J220	Motronic control unit
J271	Motronic current supply relay
T2m	2-pin connector, engine prewiring, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
*	Only models with automatic gearbox
•	CAN bus (data bus)

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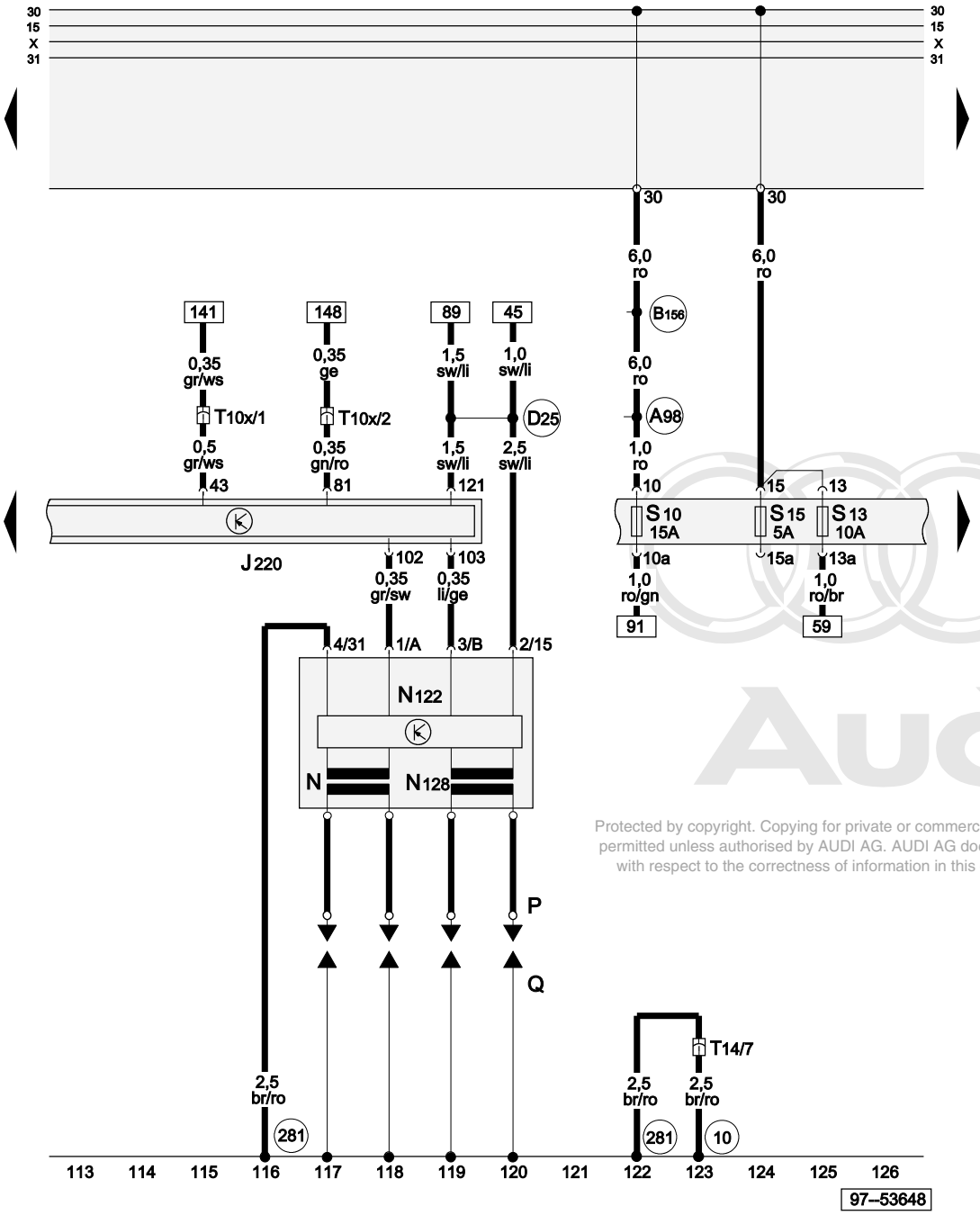


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Motronic control unit, brake servo control unit, vacuum pump for brakes, secondary air pump motor, secondary air pump relay

J220	Motronic control unit
J299	Secondary air pump relay
J542	Brake servo control unit
S130	Secondary air pump fuse
S283	Brake vacuum pump fuse
T6p	6-pin connector, in engine compartment, left
T10b	10-pin connector, grey, in plenum chamber
V101	Secondary air pump motor
V192	Vacuum pump for brakes
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
D50	Positive (+) connection (30), in engine compartment wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
E14	Connection -1-, in Motronic wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox

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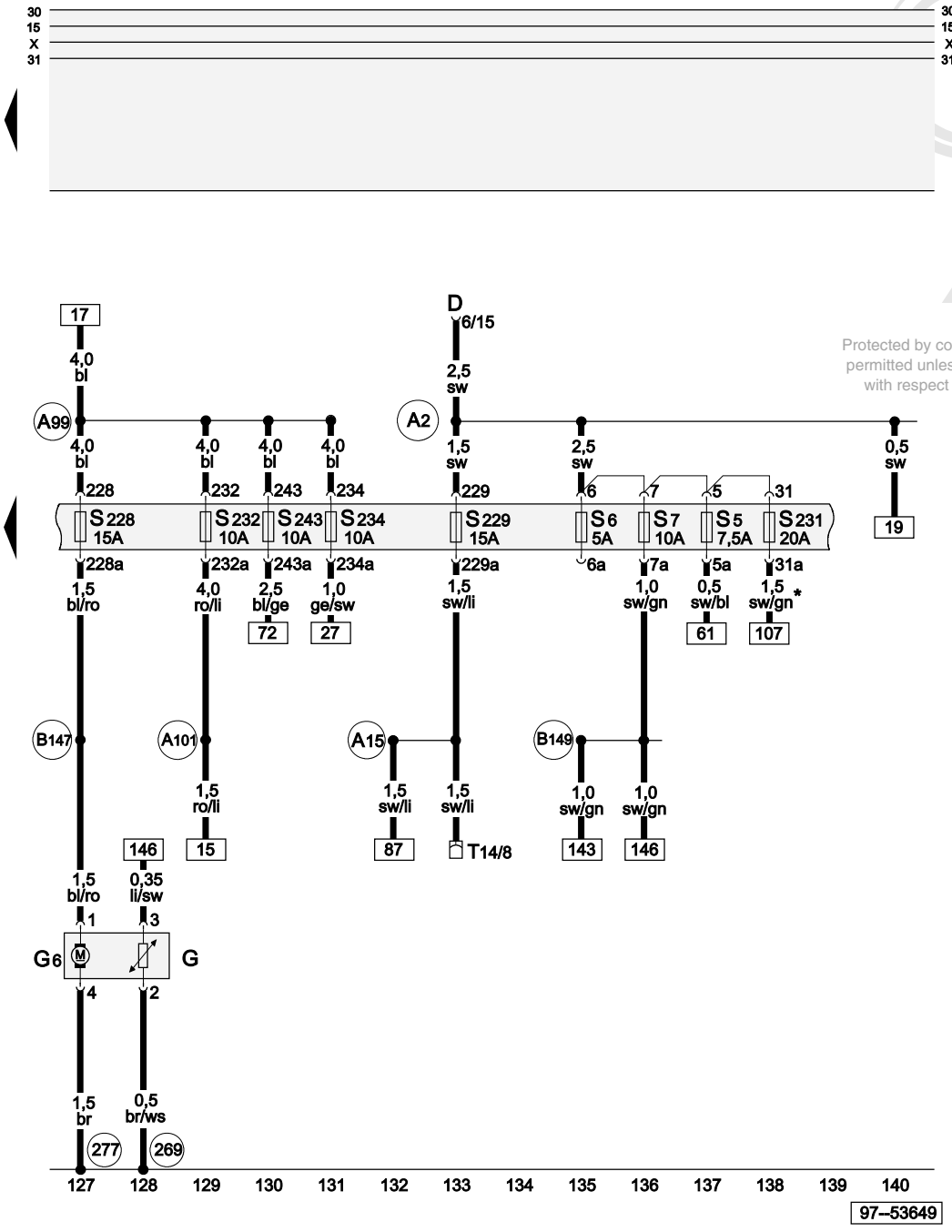


Motronic control unit, ignition coils, fuses

J220	Motronic control unit
N	Ignition coil
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
S10	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S15	Fuse in fuse box/relay plate
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
10	Earth point, in plenum chamber
281	Earth connection -1-, in engine prewiring wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
D25	Positive (+) connection (15), in engine prewiring wiring harness

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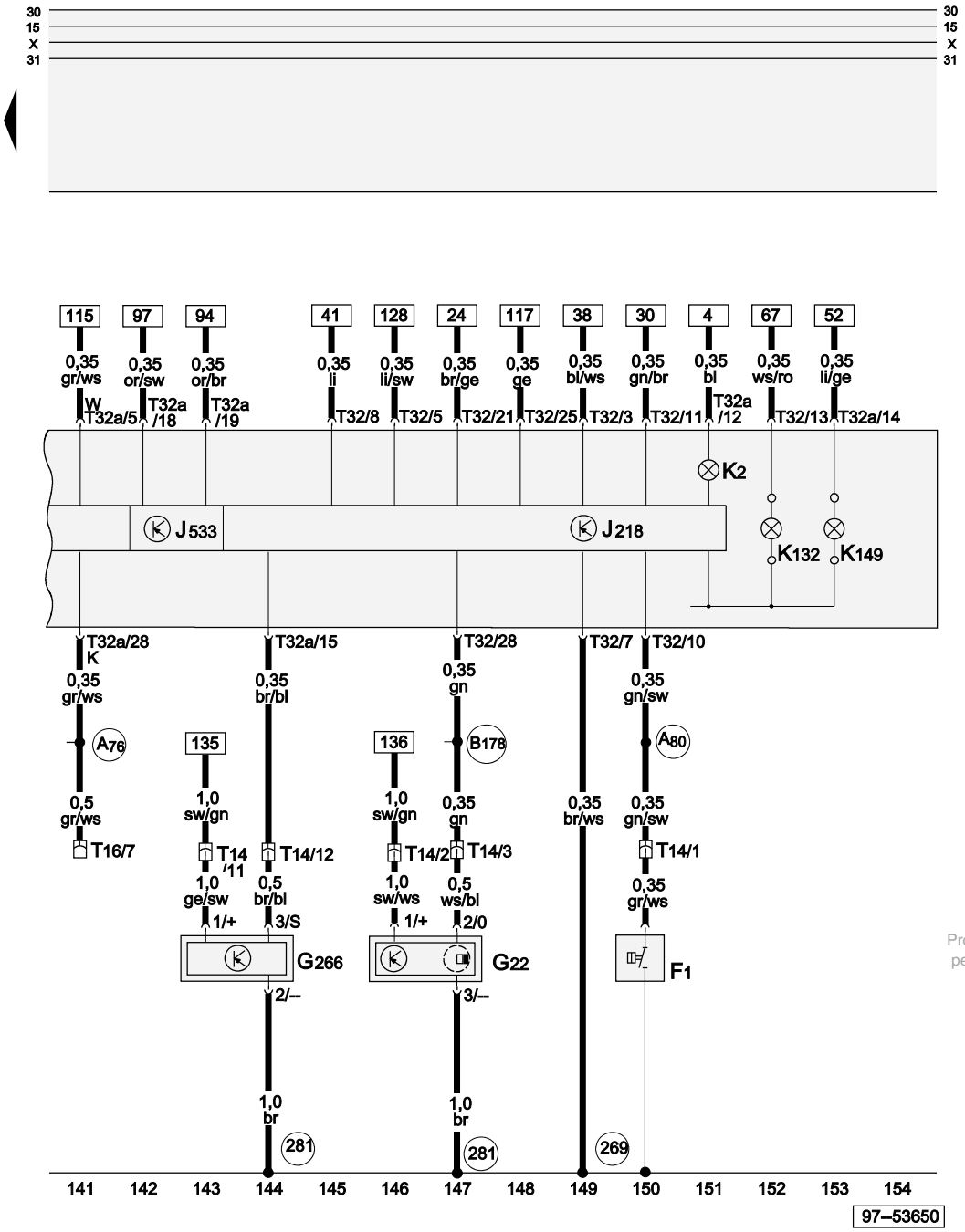


Fuses, fuel pump

D	Ignition/starter switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
S5	Fuse in fuse box/relay plate
S6	Fuse in fuse box/relay plate
S7	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S229	Fuse in fuse box
S231	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
T14	14-pin connector, in engine compartment, left
269	Earth connection (sender earth) -1-, in dash panel wiring harness
277	Earth connection -3-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
*	Only models with automatic gearbox

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Dash panel insert, oil pressure switch, oil level/oil temperature sender, speedometer sender

F1	Oil pressure switch
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level/oil temperature sender
J218	Combi-processor in dash panel insert
J533	Data bus diagnostic interface
K2	Alternator warning lamp
K132	Electronic power control fault lamp
K149	Engine electronics warning lamp
T14	14-pin connector, in engine compartment, left
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
B178	Connection (speed signal), in interior wiring harness

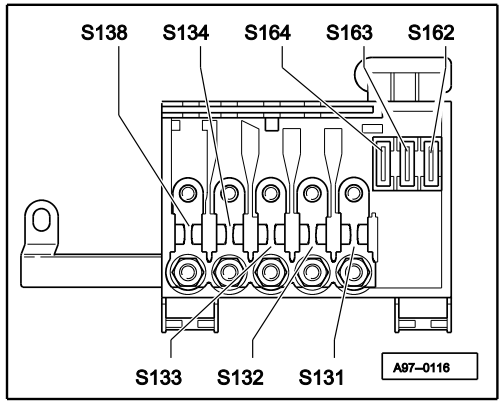
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1.8 litre fuel injection engine (Motronic), 154 kW, 4-cylinder, engine code AMK
1.8 litre fuel injection engine (Motronic), 132 kW, 4-cylinder, engine codes ARY, AUQ
1.8 litre fuel injection engine (Motronic), 110 kW, 4-cylinder, engine codes ARX, AUM

from September 2000

Main fuse box / battery (engine compartment)

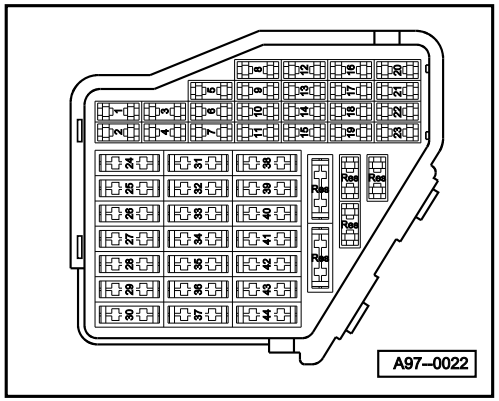


Position of fuses:

S131 -Fuse 1
S132 -Fuse 2
S133 -Fuse 3
S134 -Fuse 4
S138 -Fuse 5
S162 -1 in fuse box/battery
S163 -2 in fuse box/battery
S164 -3 in fuse box/battery

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Fuse box (dash panel)

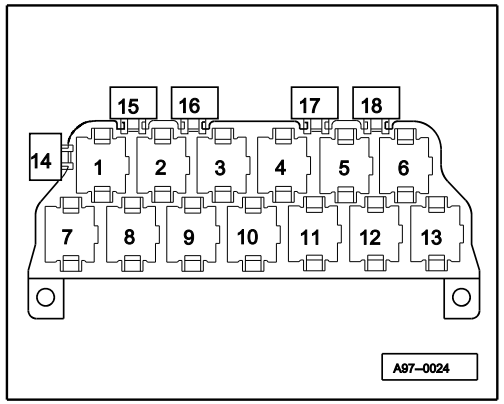


Fuse colours:

30 A -green
25 A -white
20 A -yellow
15 A -blue
10 A -red
7.5 A -brown
5 A -beige

From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

13-point relay carrier (under driver's storage compartment)

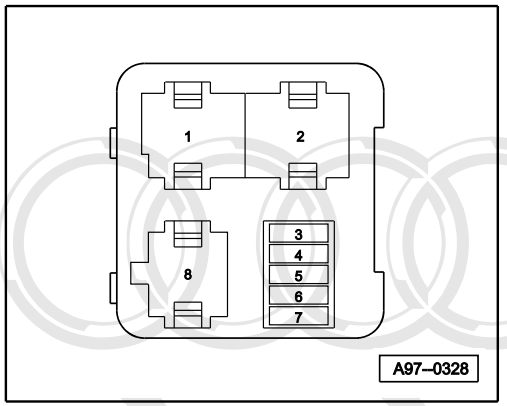


Position of relays:

13 - Coolant pump control unit *

* Does not apply to engine code AMK and models with air conditioner

3-point relay carrier/fuse box (engine compartment)



Position of relays:

1 - Secondary air pump relay

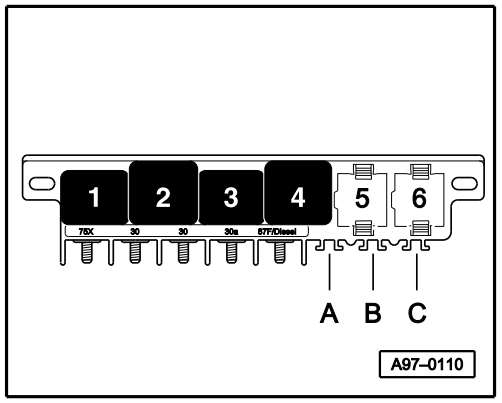
2 - Motronic current supply relay

Position of fuses:

3 - Brake vacuum pump fuse

4 - Secondary air pump fuse

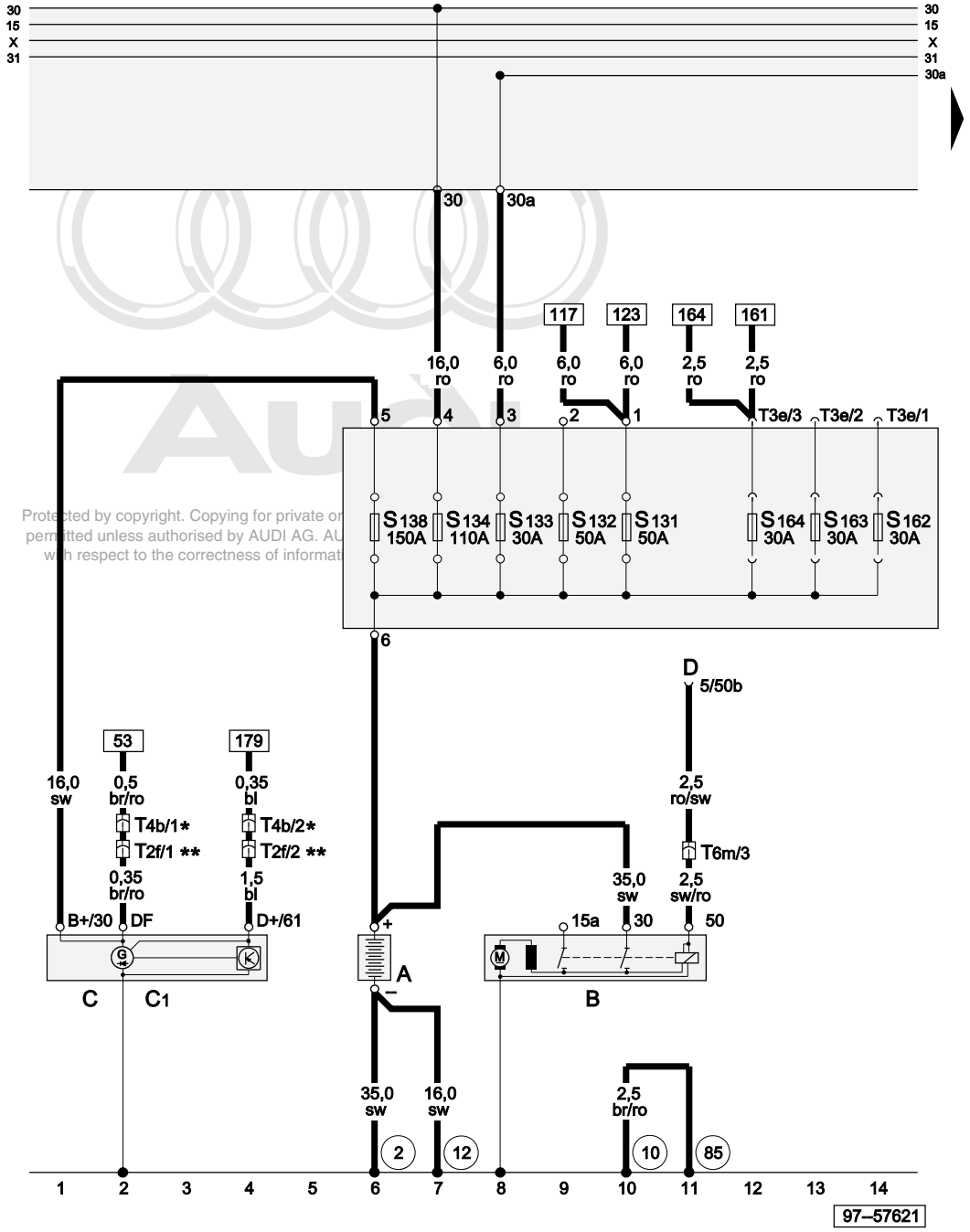
Micro-central electrics (under driver's storage compartment)



Position of relays:

4 - Fuel pump relay

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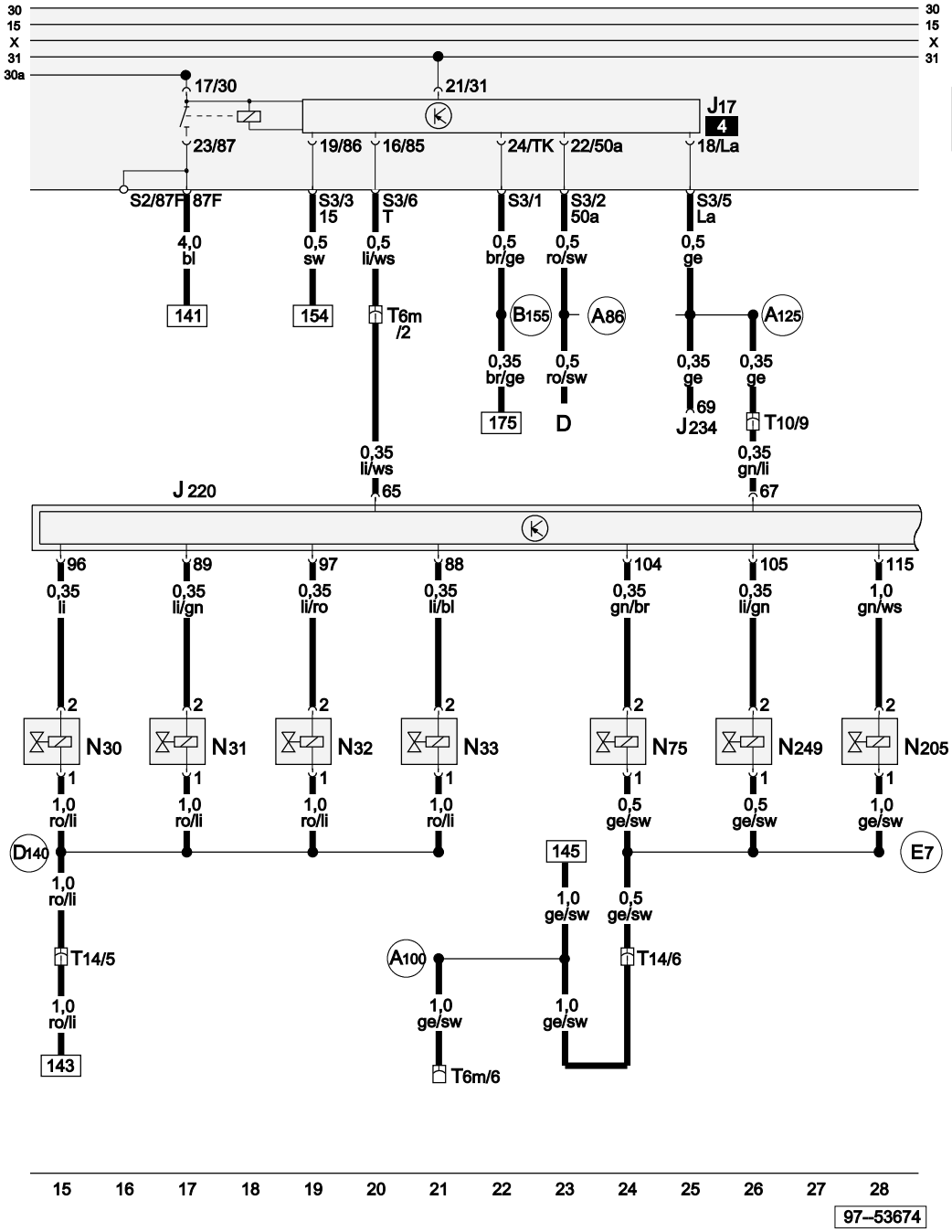


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Battery, starter, alternator, ignition/starter switch, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1 in fuse box/battery
S132	Fuse 2 in fuse box/battery
S133	Fuse 3 in fuse box/battery
S134	Fuse 4 in fuse box/battery
S138	Fuse 5 in fuse box/battery
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
*	Only applies to models with air conditioner
**	Only applies to models without air conditioner

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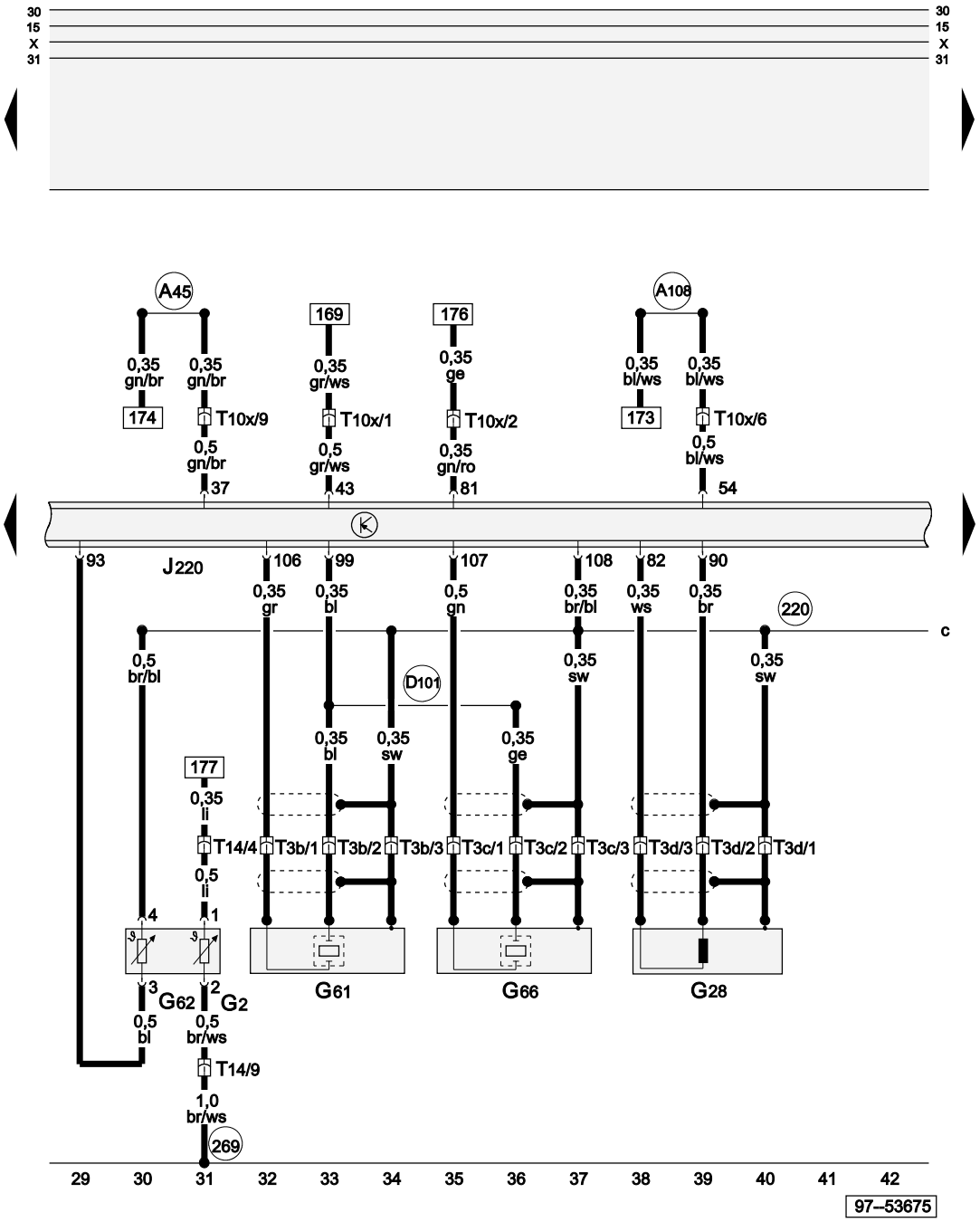


Motronic control unit, fuel pump relay, injectors, solenoid valves

D	Ignition/starter switch
J17	Fuel pump relay
J220	Motronic control unit
J234	Airbag control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N75	Charge pressure control solenoid valve
N205	Inlet camshaft timing adjustment valve -1-
N249	Turbocharger divert air valve
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
A86	Connection (50a), in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B155	Connection -2- (TK (door contact)), in interior wiring harness
D140	Connection (injectors), in engine wiring harness
E7	Positive (+) connection (87a), in Motronic wiring harness

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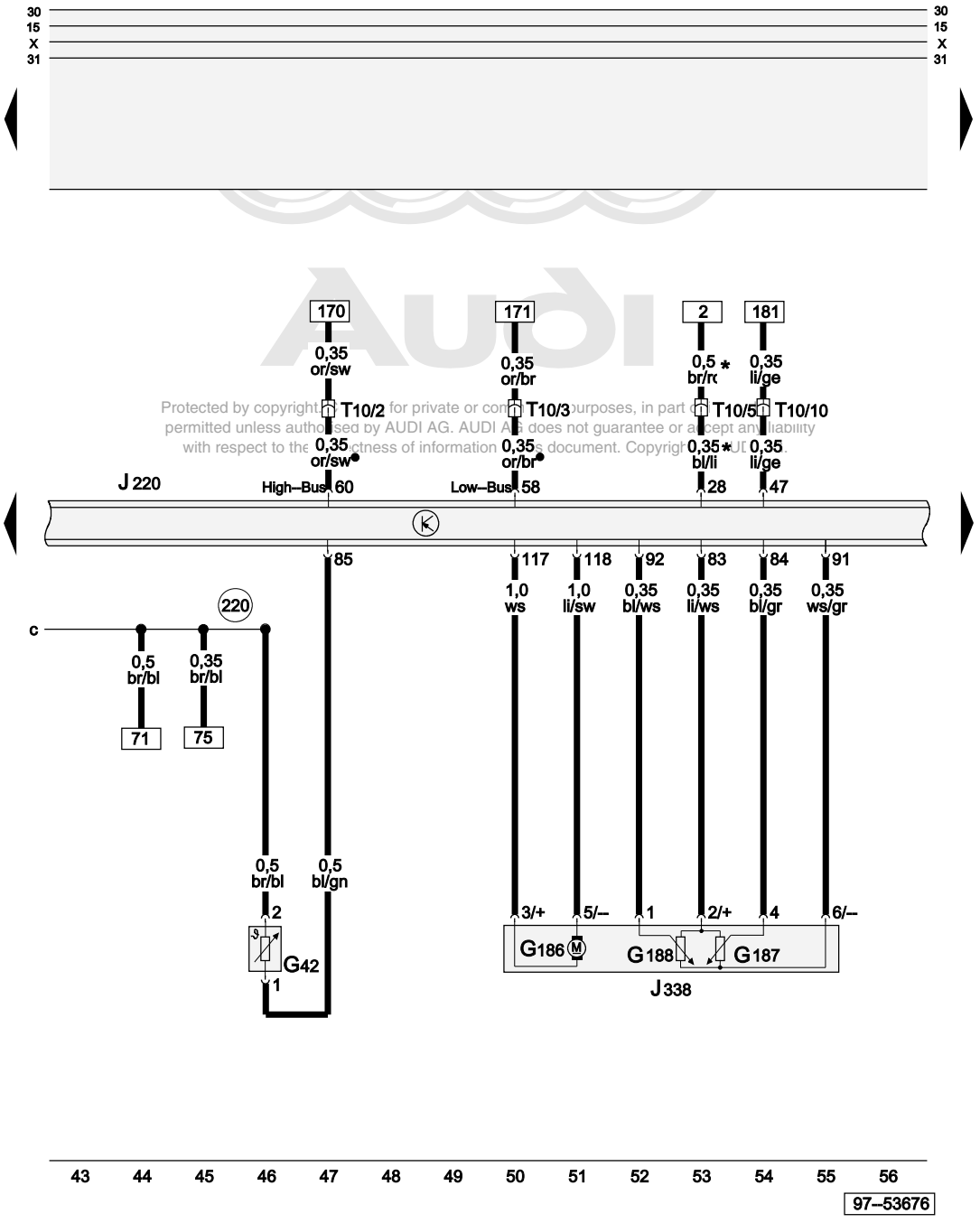


Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor I
G62	Coolant temperature sender
G66	Knock sensor II
J220	Motronic control unit
T3b	3-pin connector, blue, knock sensor I, in engine compartment
T3c	3-pin connector, grey, knock sensor II, in engine compartment
T3d	3-pin connector, white, engine speed sender, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D101	Connection -1-, in engine compartment wiring harness

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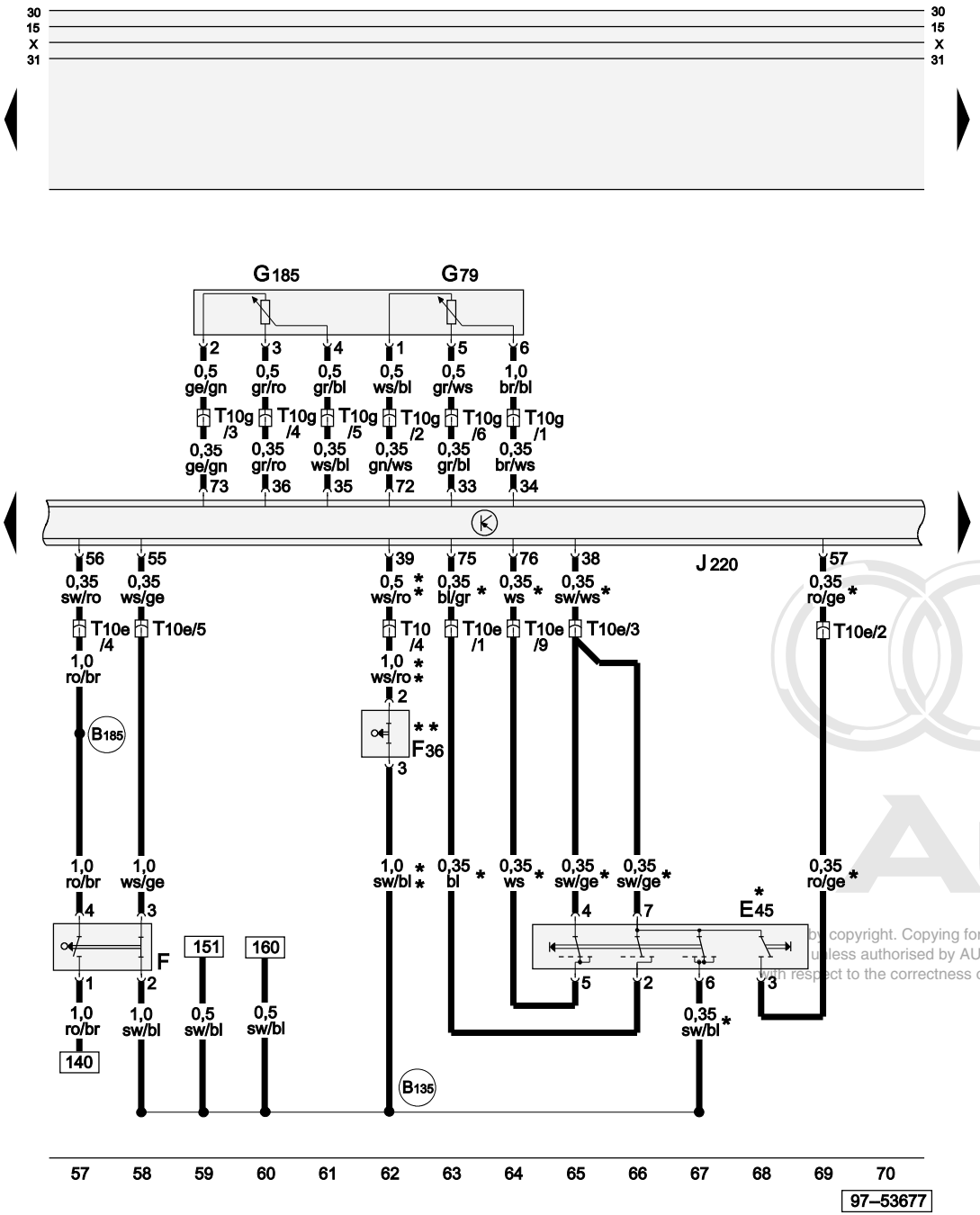


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Motronic control unit, throttle valve control unit, secondary air system, intake air temperature sender

G42	Intake air temperature sender
G186	Throttle valve drive (electric throttle operation)
G187	Throttle valve drive angle sender -1- (electric throttle operation)
G188	Throttle valve drive angle sender -2- (electric throttle operation)
J220	Motronic control unit
J338	Throttle valve control unit
T10	10-pin connector, white, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
*	Only models with manual gearbox
•	CAN bus (data wire)

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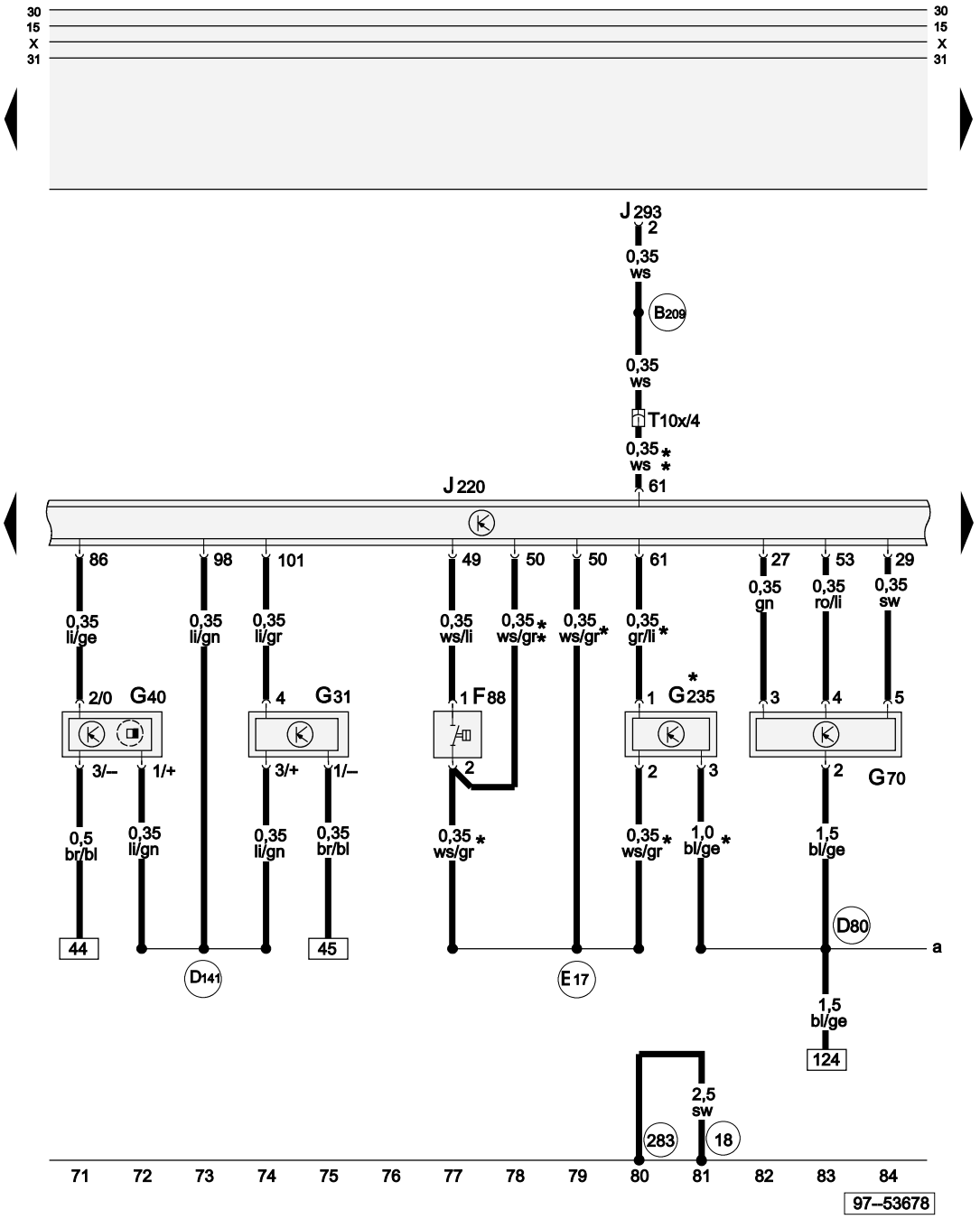
Motronic control unit, accelerator pedal position senders, brake light switch, clutch pedal switch, cruise control system switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J220	Motronic control unit
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox

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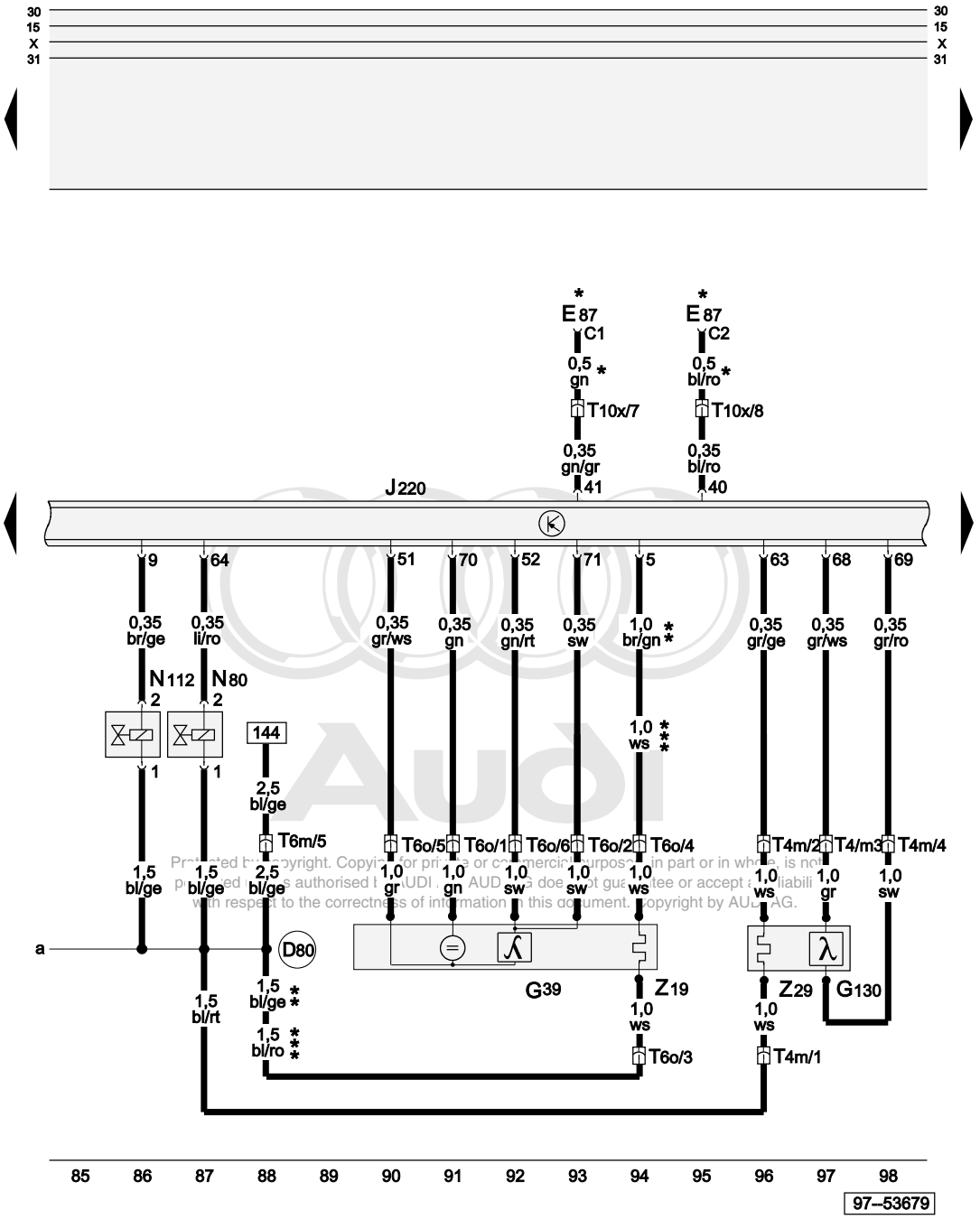


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rs = pink

Motronic control unit, air mass meter, charge air pressure sender, exhaust gas temperature sender -1-, Hall sender

F88	Power assisted steering pressure switch
G31	Charge air pressure sender
G40	Hall sender
G70	Air mass meter
G235	Exhaust gas temperature sender -1-
J220	Motronic control unit
J293	Radiator fan control unit
18	Earth point, on cylinder block
283	Earth connection -2-, in engine prewiring wiring harness
B209	Connection (Climatronic sender), in interior wiring harness
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
D141	Connection (5V), in engine prewiring wiring harness
E17	Connection -2-, in Motronic wiring harness
*	Does not apply to engine code AUM
**	Applies to engine code AMK only

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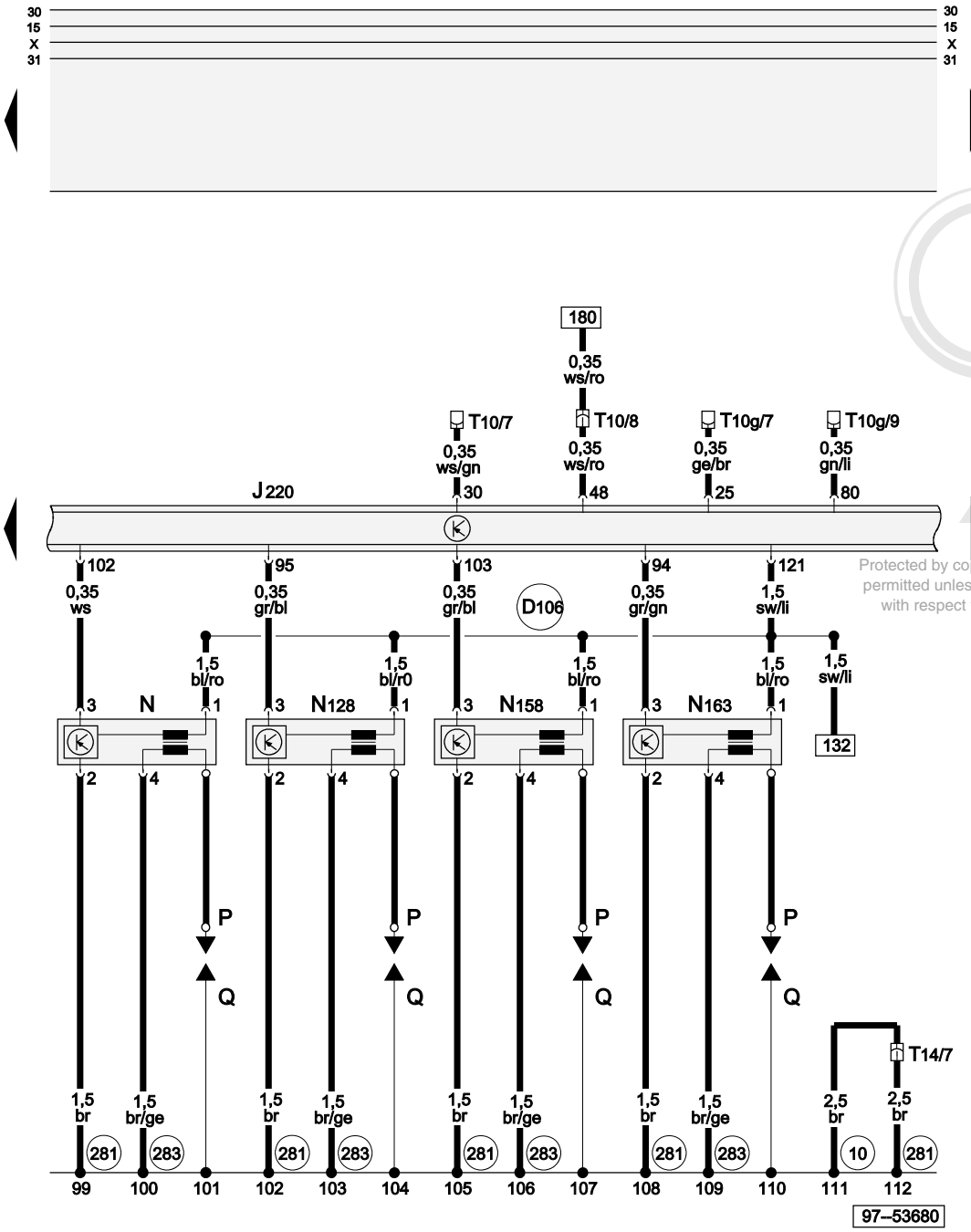


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Motronic control unit, lambda probes, solenoid valves

E87	Control and display unit for air conditioner/Climatronic
G39	Lambda probe
G130	Lambda probe downstream of catalytic converter
J220	Motronic control unit
N80	Activated charcoal filter system solenoid valve 1 (pulsed)
N112	Secondary air inlet valve
T4m	4-pin connector, lambda probe, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T6o	6-pin connector, lambda probe, in engine compartment, right
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
*	Only models with air conditioner / Climatronic
**	Applies to engine code AMK only
***	Only applies to engine codes ARY, ARX, AUM

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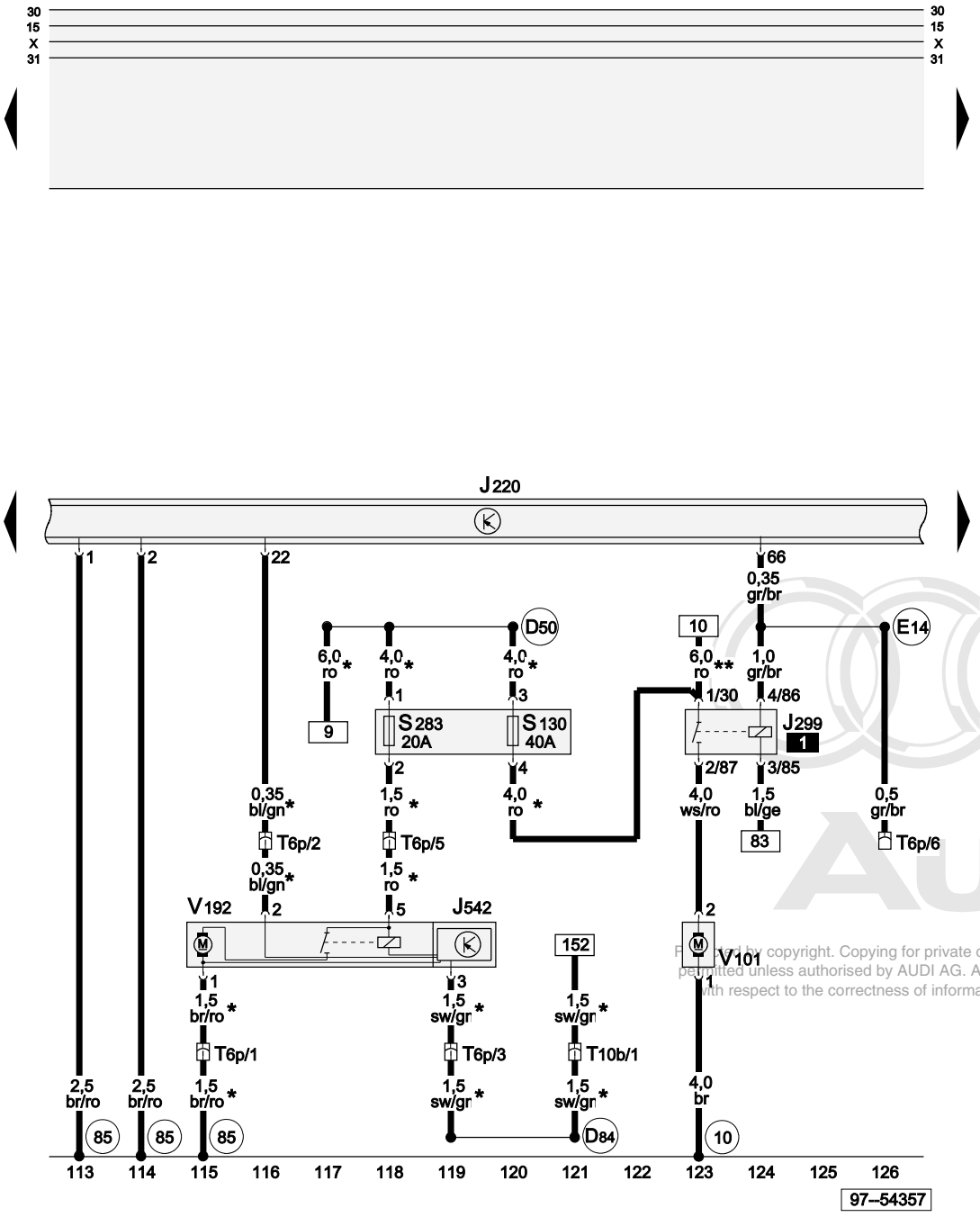


Motronic control unit, ignition coils

J220	Motronic control unit
N	Ignition coil
N128	Ignition coil 2
N158	Ignition coil 3
N163	Ignition coil 4
P	Spark plug connector
Q	Spark plugs
T10	10-pin connector, white, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
T14	14-pin connector, in engine compartment, left
10	Earth point, in plenum chamber
281	Earth connection -1-, in engine prewiring wiring harness
283	Earth connection -2-, in engine prewiring wiring harness
D106	Connection -4-, in engine compartment wiring harness

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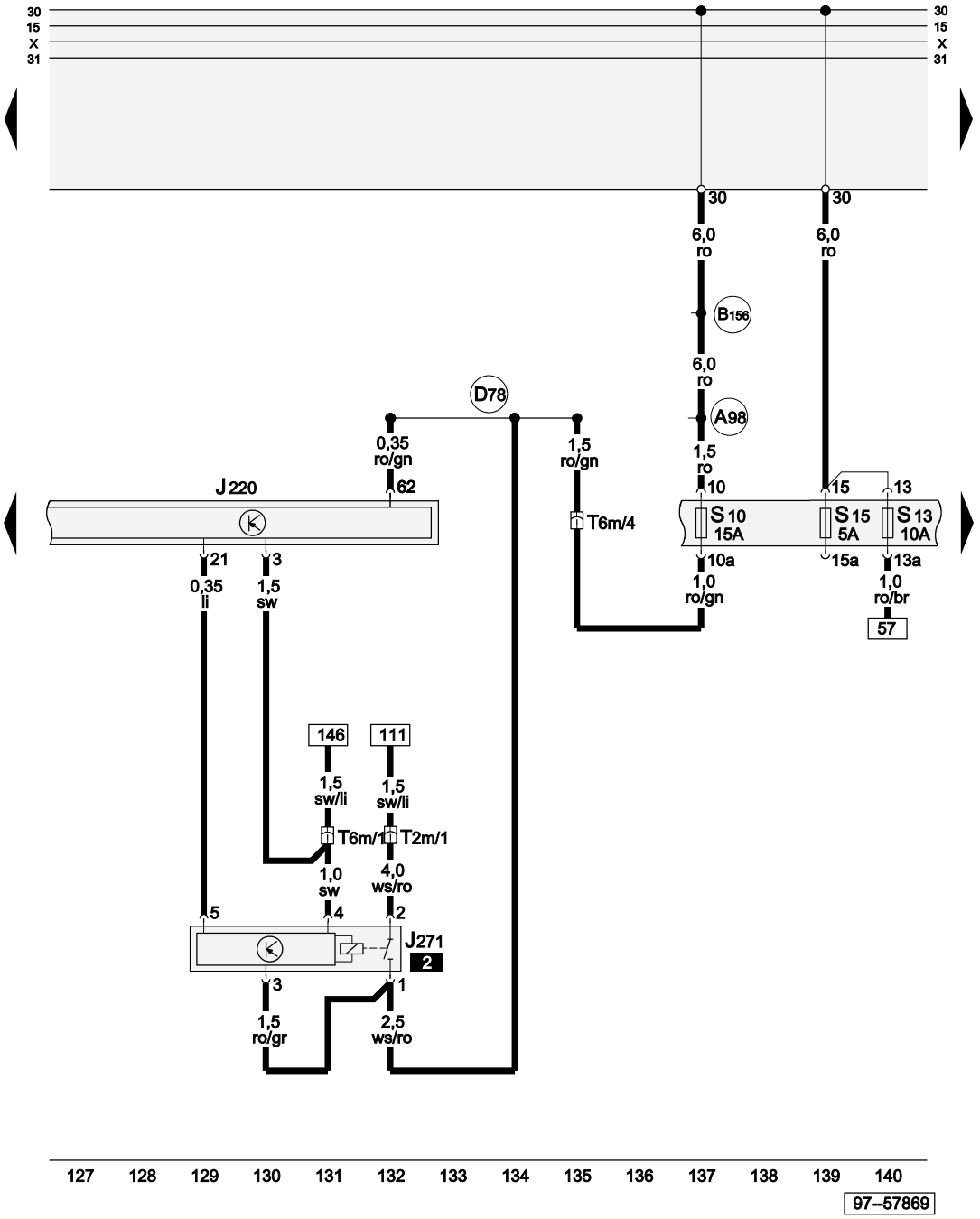


Motronic control unit, secondary air pump, vacuum pump for brakes

J220	Motronic control unit
J299	Secondary air pump relay
J542	Brake servo control unit
S130	Secondary air pump fuse
S283	Brake vacuum pump fuse
T6p	6-pin connector, in engine compartment, left
T10b	10-pin connector, grey, in plenum chamber
V101	Secondary air pump motor
V192	Vacuum pump for brakes
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
D50	Positive (+) connection (30), in engine compartment wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
E14	Connection -1-, in Motronic wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox

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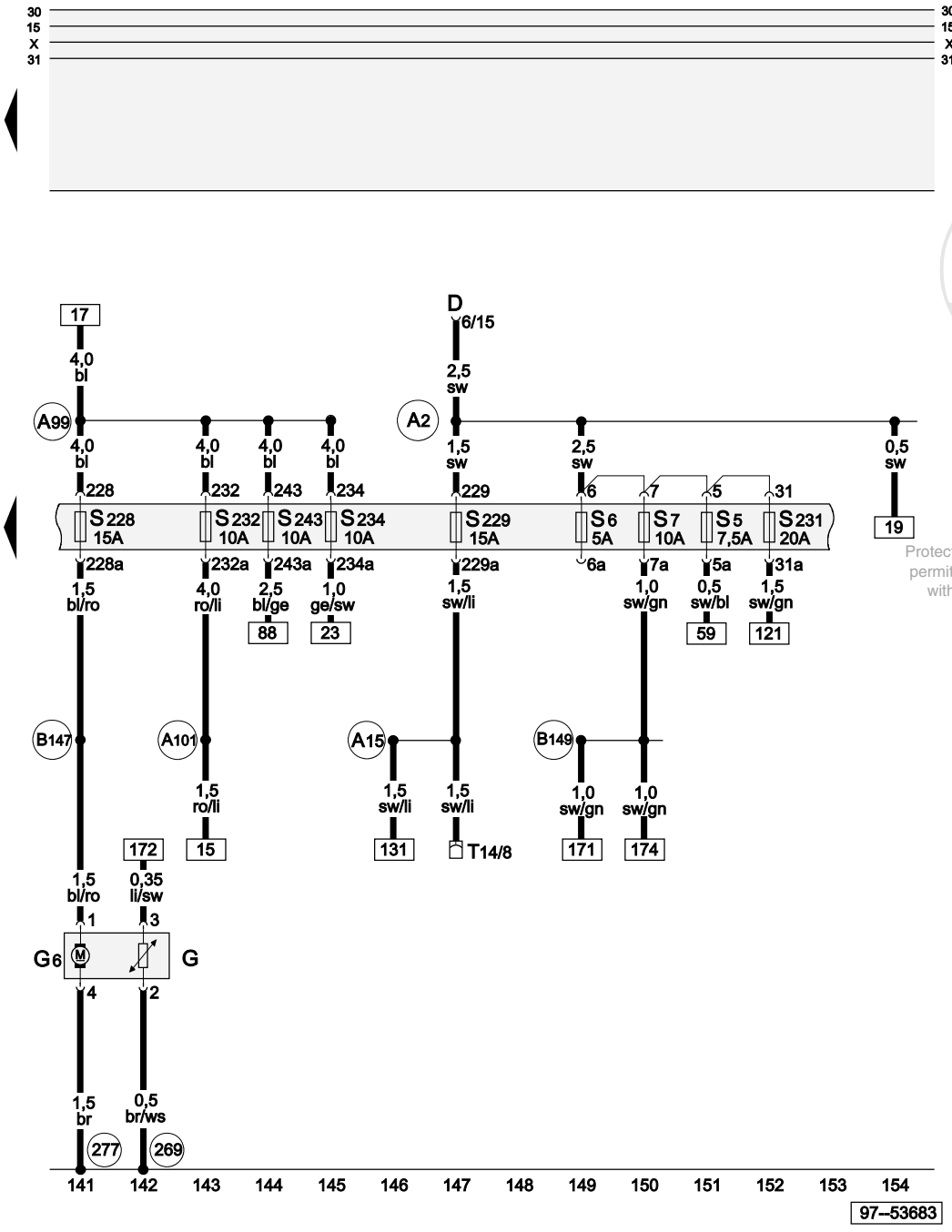


Motronic control unit, Motronic current supply relay, fuses

J220	Motronic control unit
J271	Motronic current supply relay
S10	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S15	Fuse in fuse box/relay plate
T2m	2-pin connector, engine prewiring, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness

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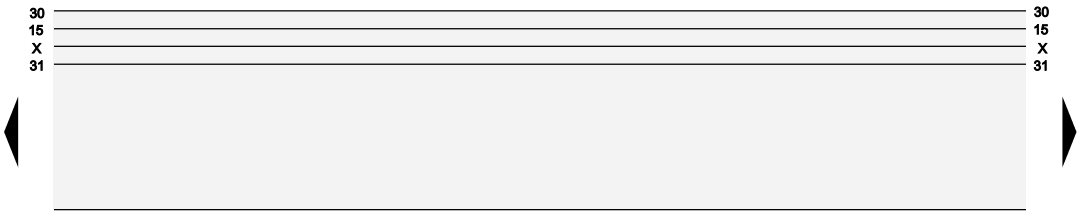


Fuel pump, fuses

D	Ignition/starter switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
S5	Fuse in fuse box/relay plate
S6	Fuse in fuse box/relay plate
S7	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S229	Fuse in fuse box
S231	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
T14	14-pin connector, in engine compartment, left
269	Earth connection (sender earth) -1-, in dash panel wiring harness
277	Earth connection -3-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness

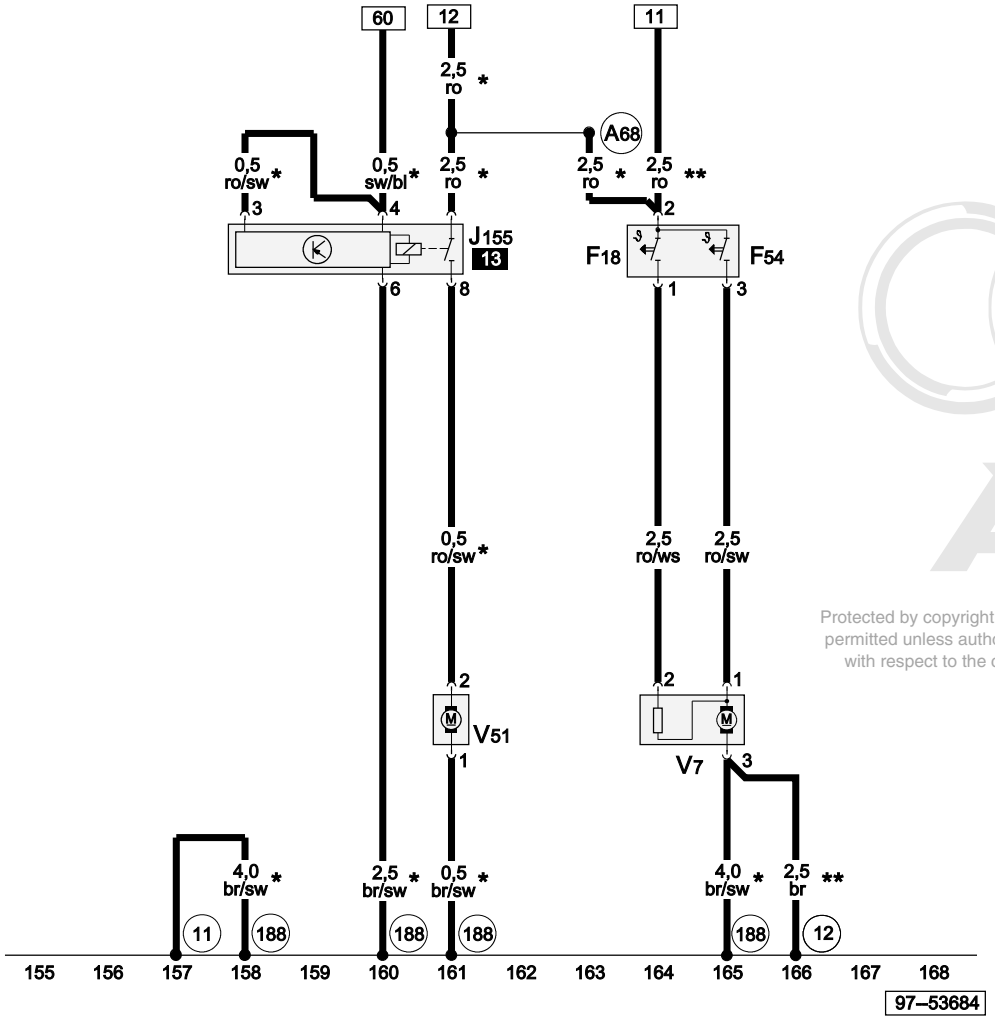
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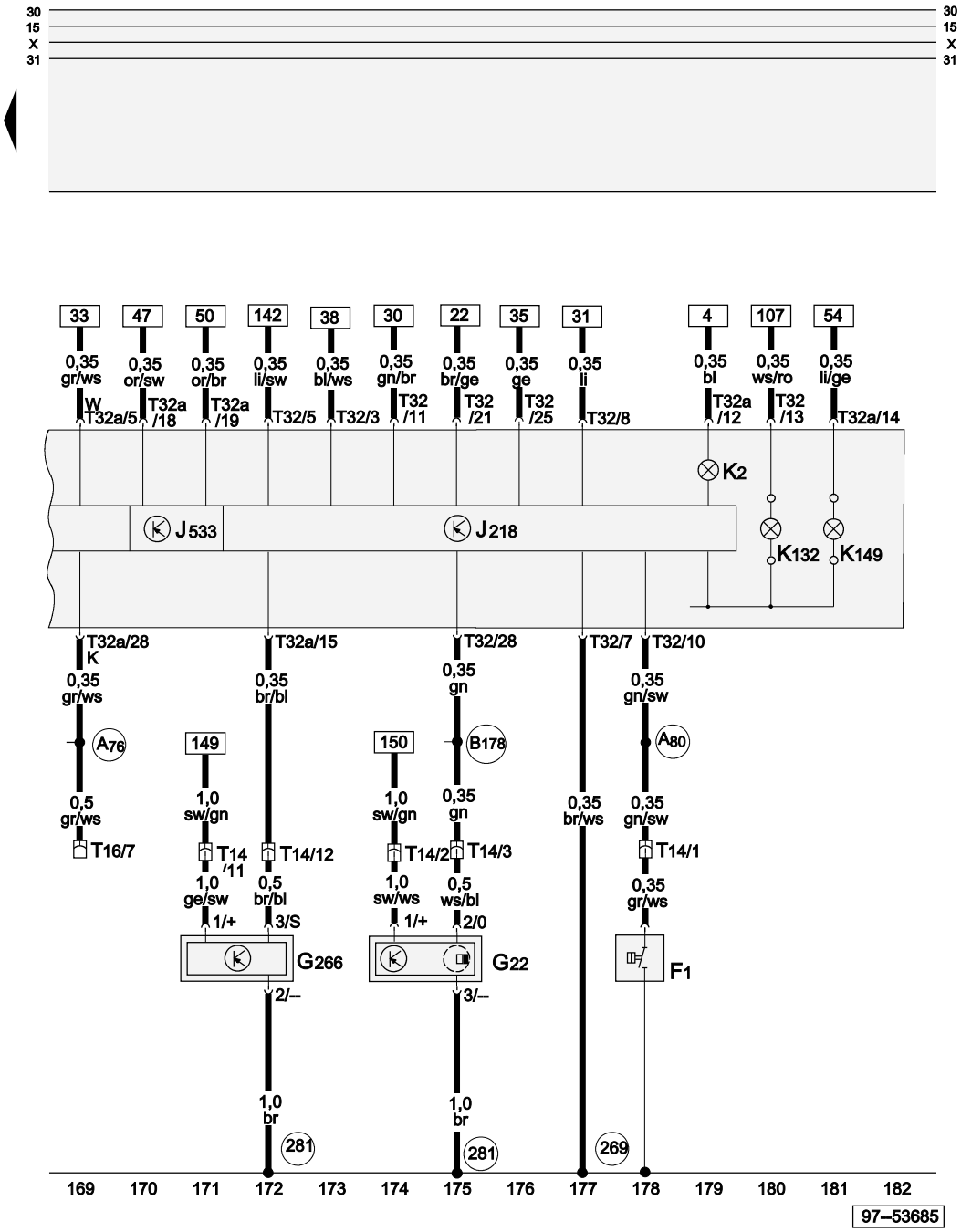
Radiator fan thermo-switch, coolant pump control unit

F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J155	Coolant pump control unit
V7	Radiator fan
V51	Continued coolant circulation pump
11	Earth point, in battery box
12	Earth point, in engine compartment, left
188	Earth connection -3-, in air conditioner wiring harness
A68	Connection (30, air conditioner), in dash panel wiring harness
*	Applies to engine code AMK only
**	Only applies to engine codes ARY, ARX, AUM



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Dash panel insert, oil pressure switch, oil level/oil temperature sender, speedometer sender

F1	Oil pressure switch
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level/oil temperature sender
J218	Combi-processor in dash panel insert
J533	Data bus diagnostic interface
K2	Alternator warning lamp
K132	Electronic power control fault lamp
K149	Engine electronics warning lamp
T14	14-pin connector, in engine compartment, left
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
B178	Connection (speed signal), in interior wiring harness

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Basic equipment

from model year 2002

Notes:

For information concerning

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

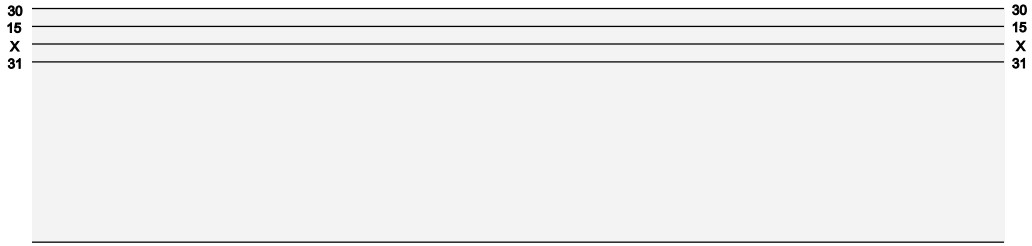
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

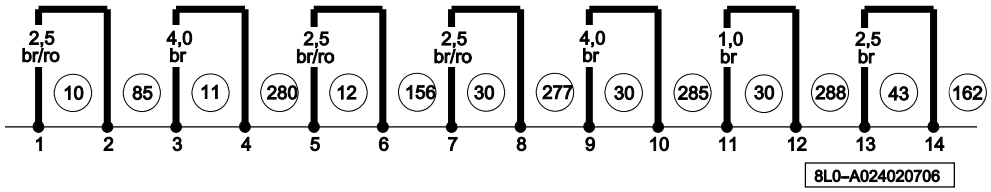
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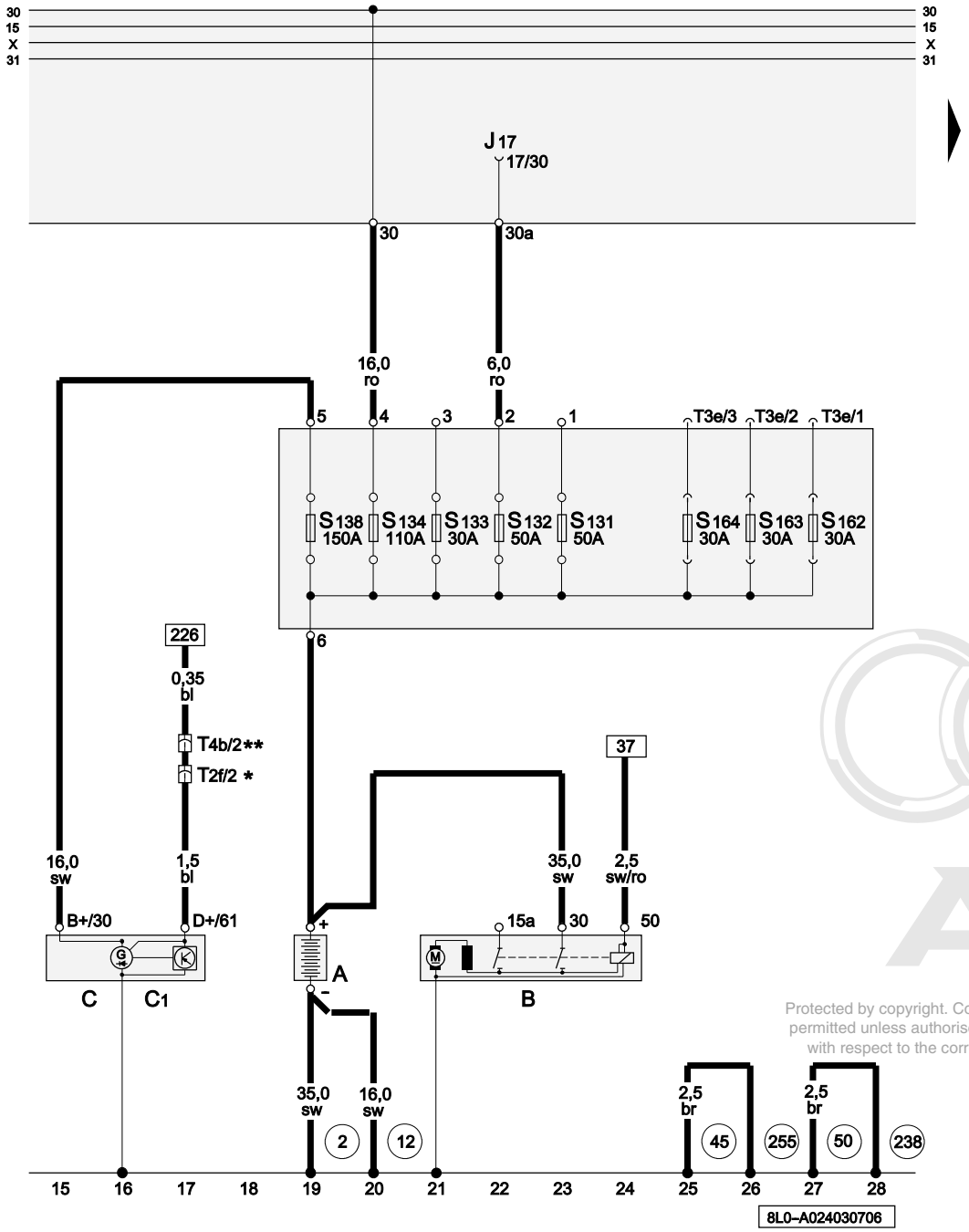
Earth points, earth connections

- 10 Earth point, in plenum chamber
- 11 Earth point, in battery box
- 12 Earth point, on left in engine compartment
- 30 Earth point 1, next to relay plate
- 43 Earth point, lower part of right A-pillar
- 85 Earth connection 1, in engine compartment wiring harness
- 156 Earth connection, in diesel direct injection wiring harness
- 162 Earth connection, in blower motor wiring harness
- 277 Earth connection 3, in interior wiring harness
- 280 Earth connection, in communications wiring harness
- 285 Earth connection 7, in interior wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness

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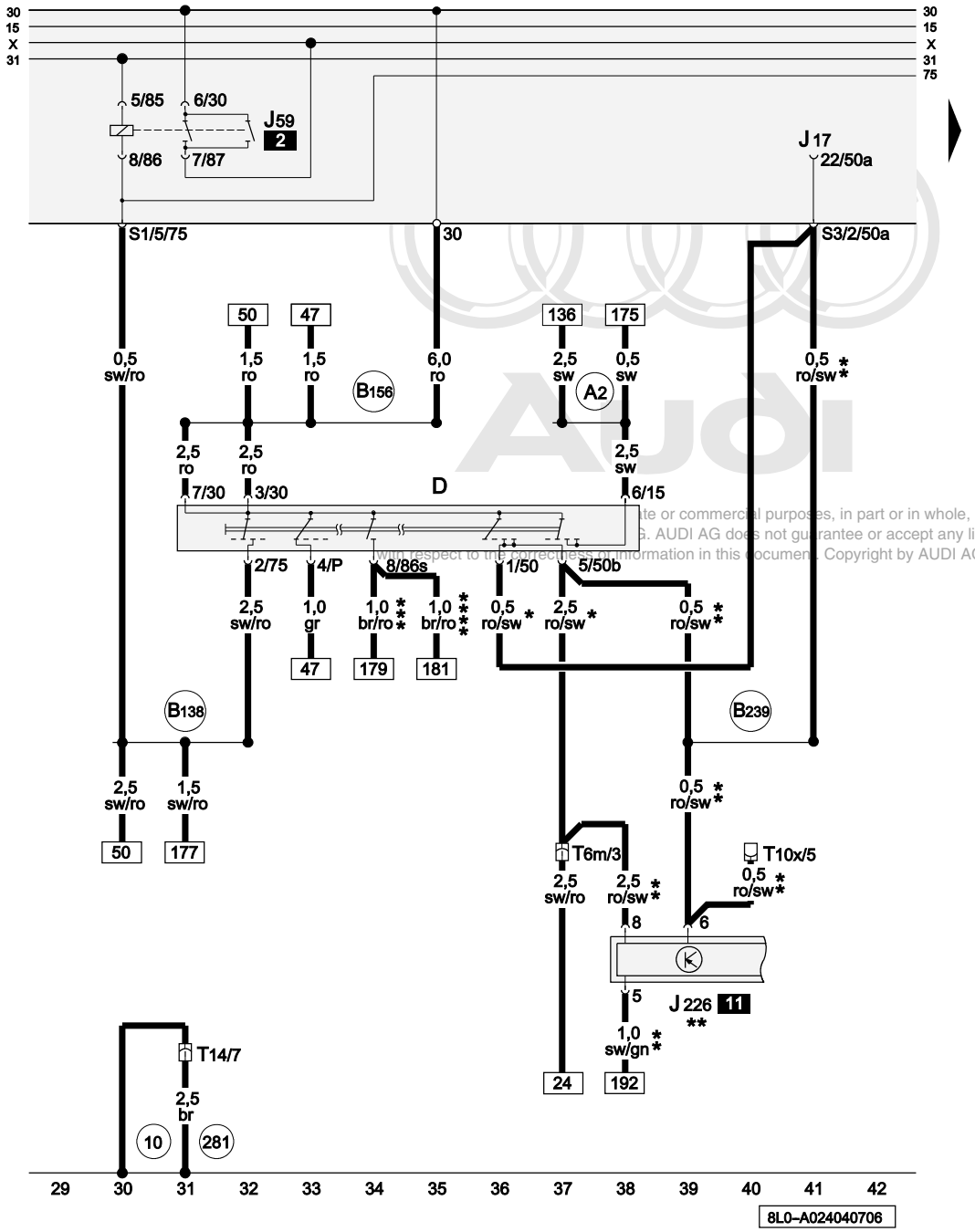


Earth connections, battery, main fuse box, alternator

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J17	Fuel pump relay
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
S138	Fuse 5
S162	Fuse 1 (30) in fuse holder on battery
S163	Fuse 2 (30) in fuse holder on battery
S164	Fuse 3 (30) in fuse holder on battery
T2f	2-pin connector, alternator, in left engine compartment
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in left engine compartment
2	Earth strap, gearbox - body
12	Earth point, on left in engine compartment
45	Earth point, centre behind dash panel
50	Earth point, on left in luggage compartment
238	Earth connection 1, in interior wiring harness
255	Earth connection 1, in radio wiring harness
*	without air conditioning system
**	with air conditioning system

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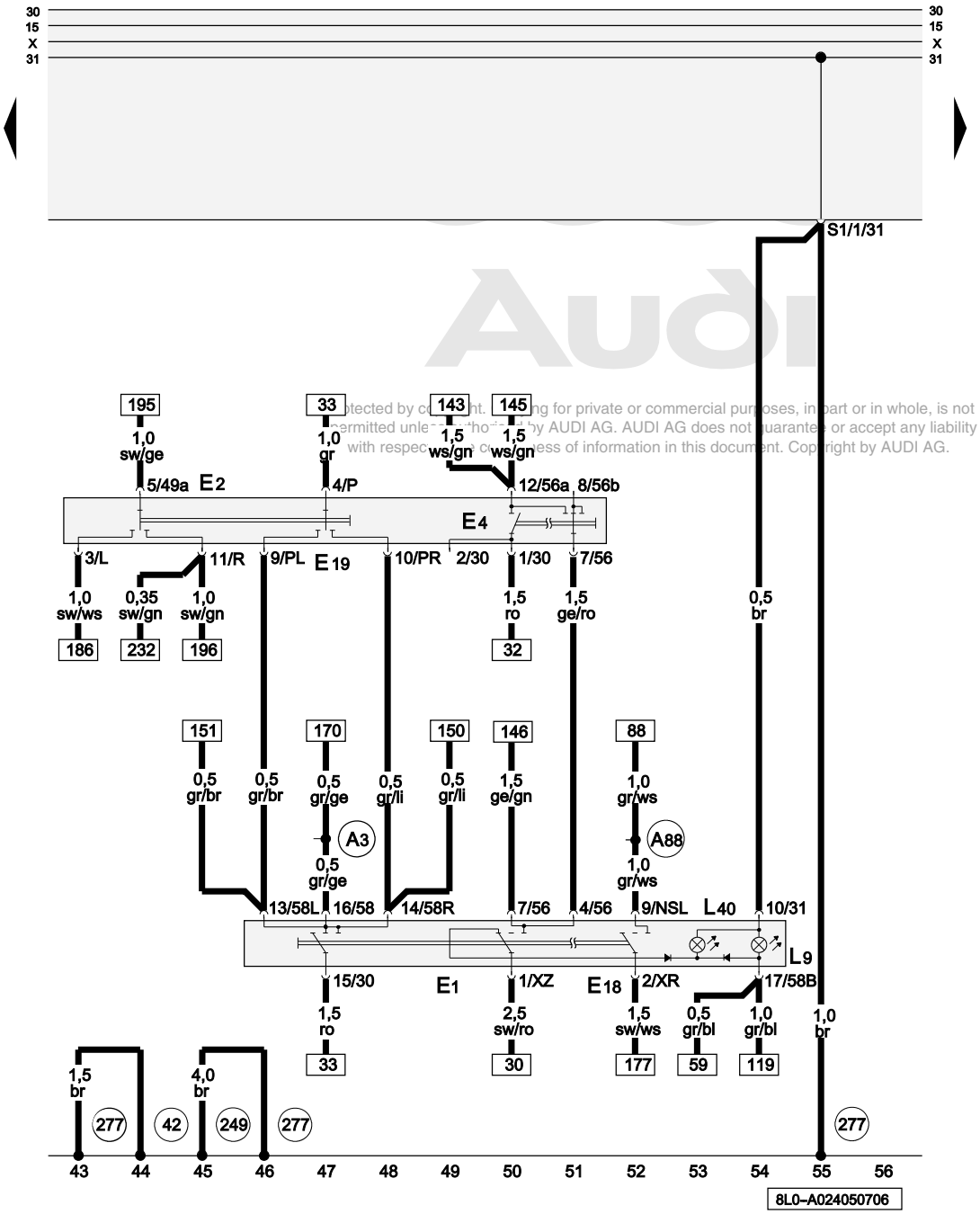


Ignition/starter switch, X-contact relief relay, starter inhibitor and reversing light relay

D	Ignition/starter switch
J17	Fuel pump relay
J59	X-contact relief relay
J226	Starter inhibitor and reversing light relay
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in left engine compartment
10	Earth point, in plenum chamber
281	Earth connection 1, in engine harness
A2	Positive connection (15), in dash panel wiring harness
B138	Positive connection (X), in interior wiring harness
B156	Positive connection (30a), in interior wiring harness
B239	Positive connection 1 (50), in interior wiring harness
*	for manual gearbox only
**	for automatic gearbox only
***	is dropped from November 2001
****	applicable from November 2001

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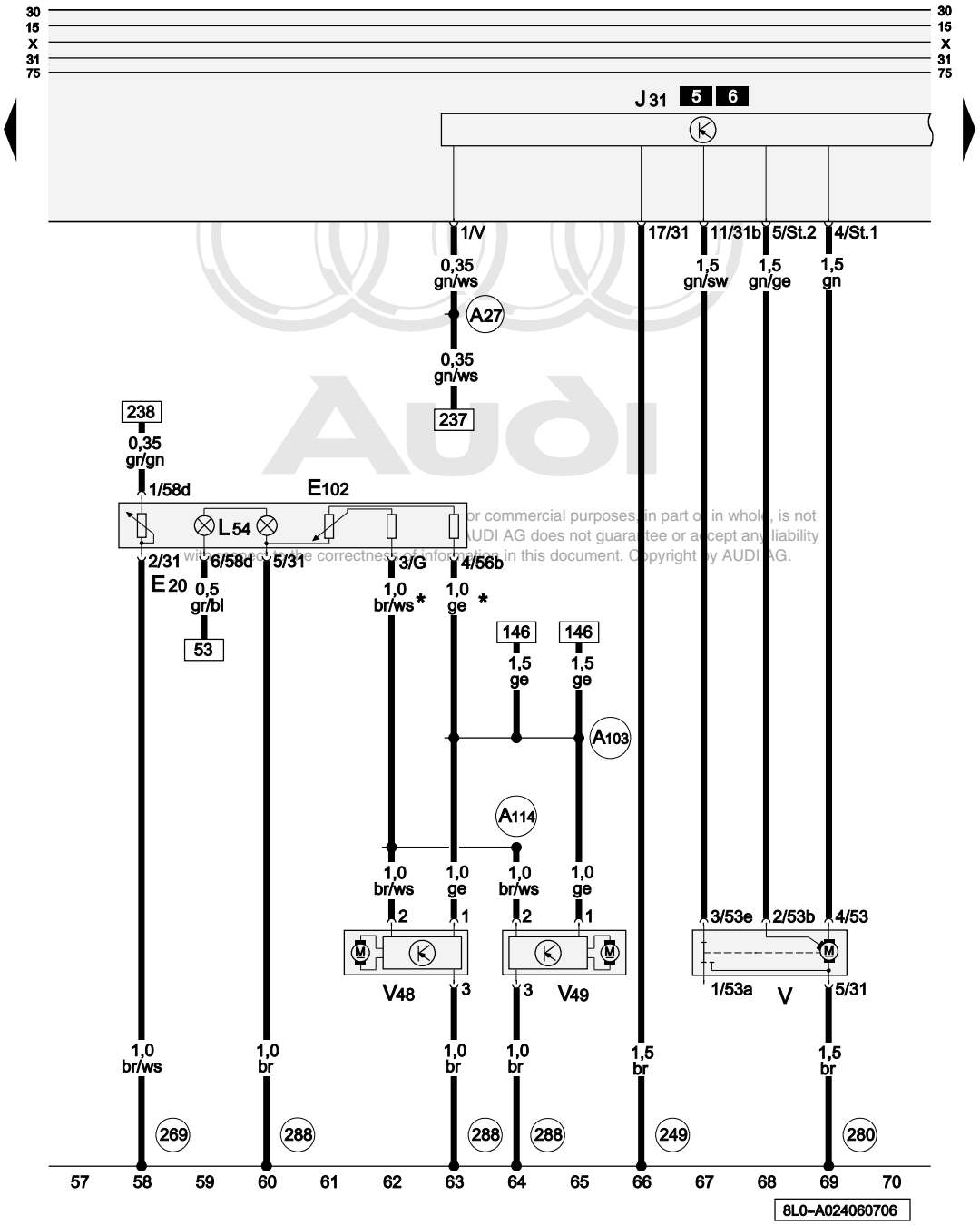


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Light switch, left steering column switch

E1	Light switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
E19	Parking light switch
L9	Light switch illumination bulb
L40	Front and rear fog light switch illumination bulb
42	Earth point, next to steering column
249	Earth connection 2, in interior wiring harness
277	Earth connection 3, in interior wiring harness
A3	Positive connection (58), in dash panel wiring harness
A88	Connection (RFL), in dash panel wiring harness

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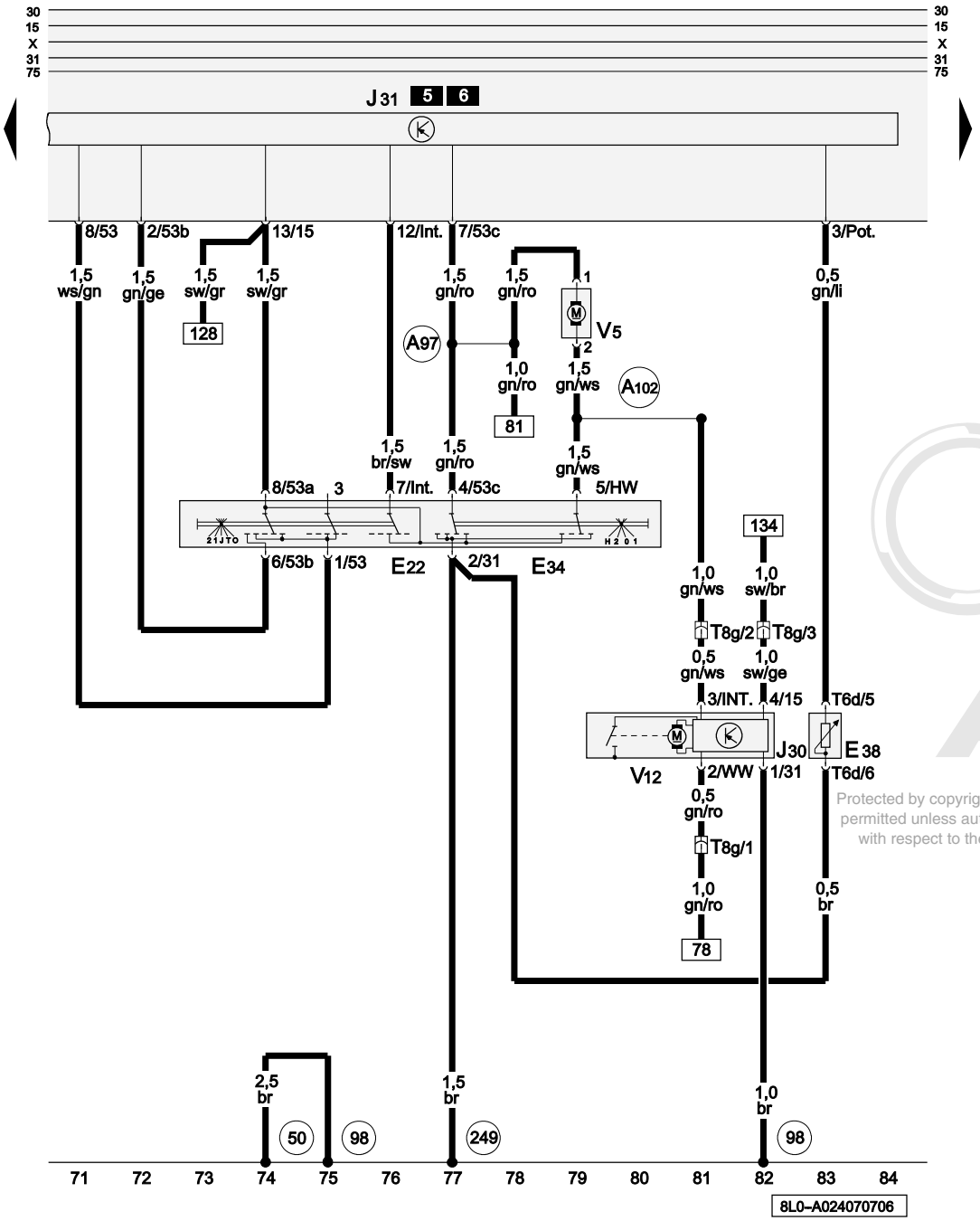


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Illumination regulators - switches and instruments, windscreen washer/wiper system, headlight range control (not for headlight for gaseous discharge light)

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J31	Automatic intermittent wash and wipe relay
L54	Headlight range control regulator illumination bulb
V	Windscreen wiper motor
V48	Left headlight range control motor
V49	Right headlight range control motor
249	Earth connection 2, in interior wiring harness
269	Earth connection (sender earth) 1, in dash panel wiring harness
280	Earth connection, in communications wiring harness
288	Earth connection (HRC), in dash panel wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A103	Connection 2 (56), in dash panel wiring harness
A114	Connection (headlight range control), in dash panel wiring harness
*	not for 1.8 l - Turbo-Motronic 154 kW, 4 cylinder

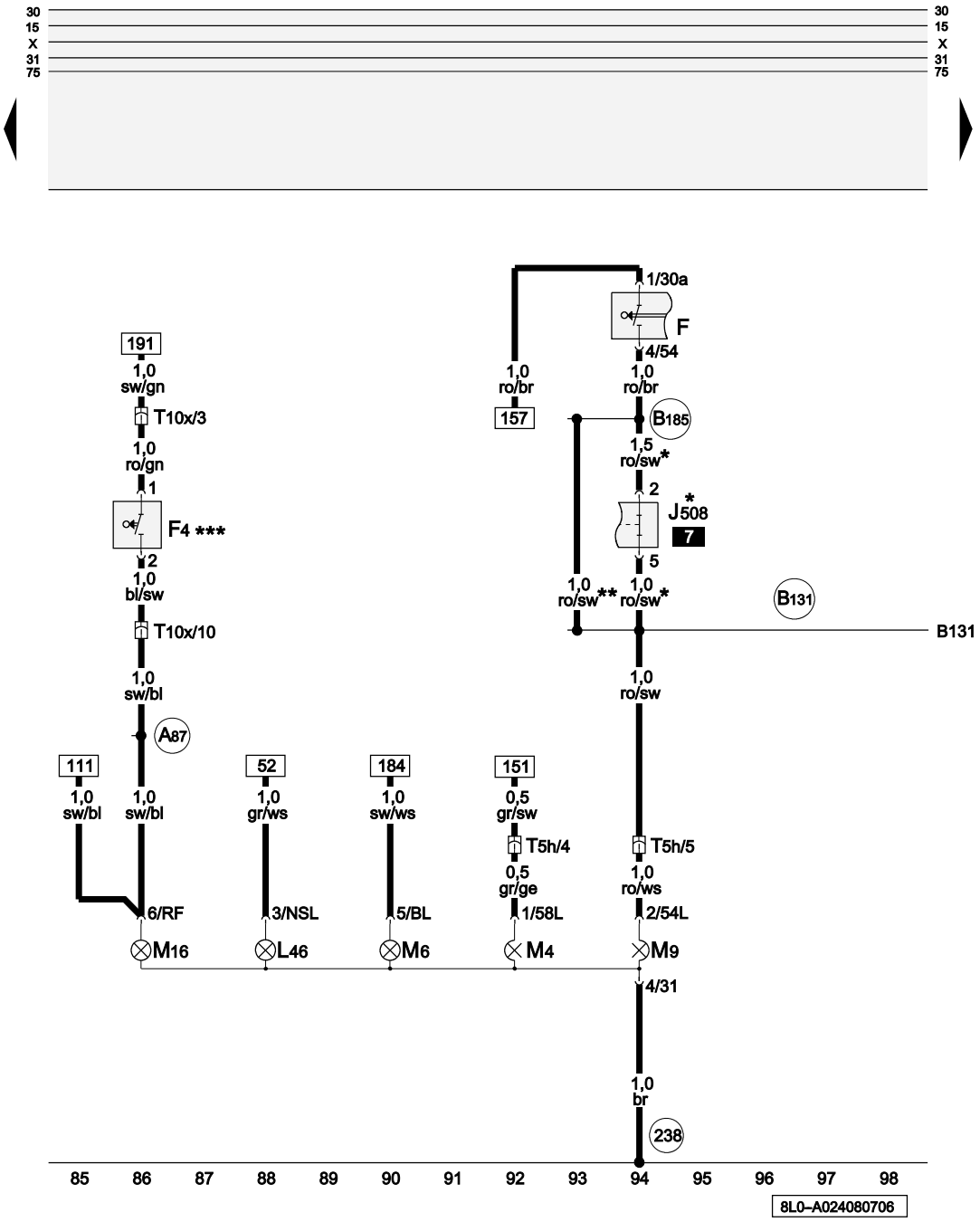


Right steering column switch, windscreen washer/wiper system, rear wiper

E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper regulator
J30	Rear window wiper and washer relay
J31	Automatic intermittent wash and wipe relay
T6d	6-pin connector, brown, behind steering column switch trim
T8g	8-pin connector, brown, on left in luggage compartment
V5	Washer pump
V12	Rear window wiper motor
50	Earth point, on left in luggage compartment
98	Earth connection, in rear lid wiring harness
249	Earth connection 2, in interior wiring harness
A97	Connection (53), in dash panel wiring harness
A102	Connection (windscreen wiper), in dash panel wiring harness

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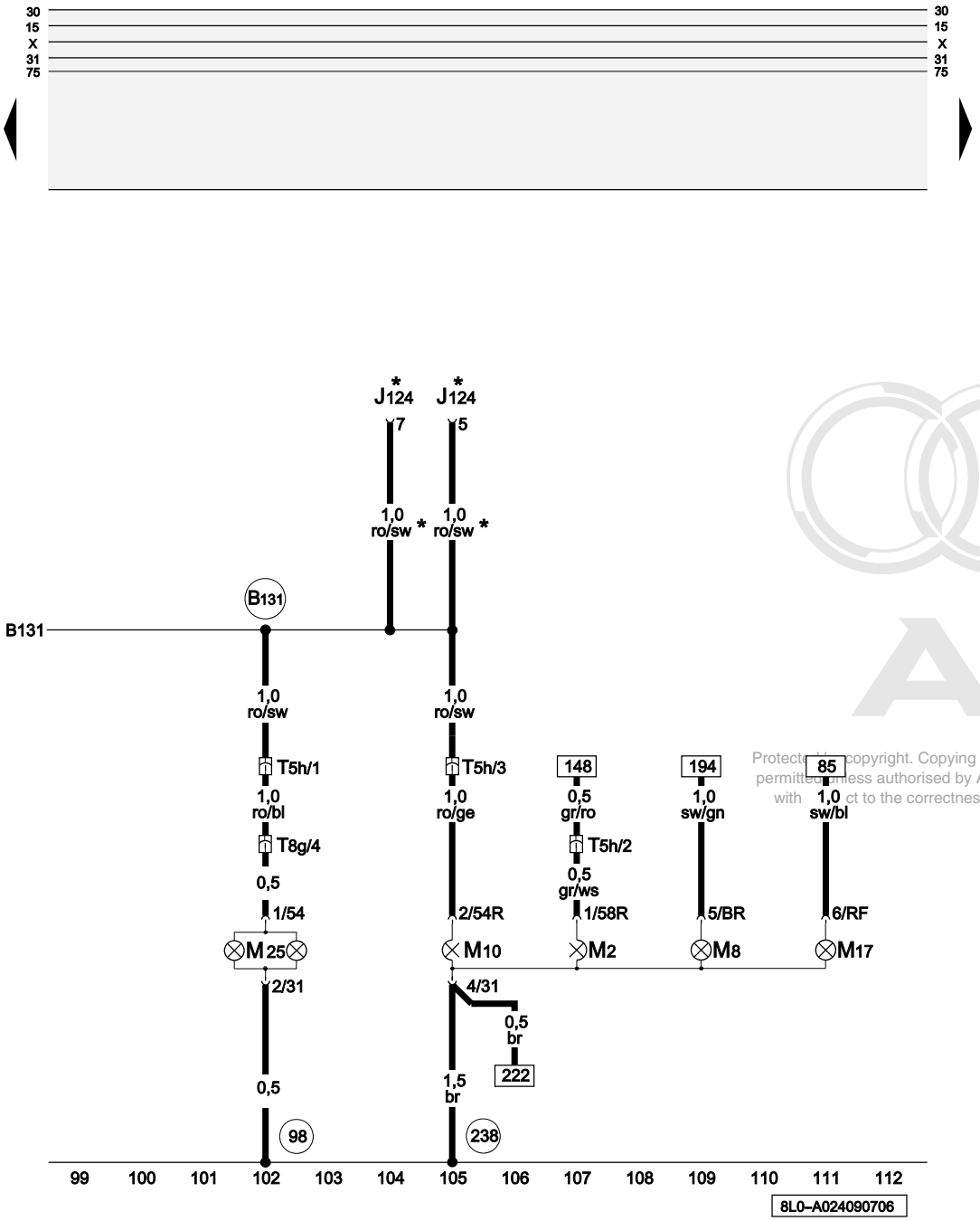


Left tail light, left tail light, rear left turn signal, left brake light, left fog light bulb

F	Brake light switch
F4	Reversing light switch
J508	Brake light suppression relay
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
L46	Rear left fog light bulb
T5h	5-pin connector, brown, A-pillar left, near relay plate
T10x	10-pin connector, orange, in plenum chamber
238	Earth connection 1, in interior wiring harness
A87	Connection (RL), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
B185	Connection 2 (54), in interior wiring harness
*	for models with anti-lock brake system (ABS) MK20
**	for models with anti-lock brake system (ABS) MK60 only
***	for manual gearbox only

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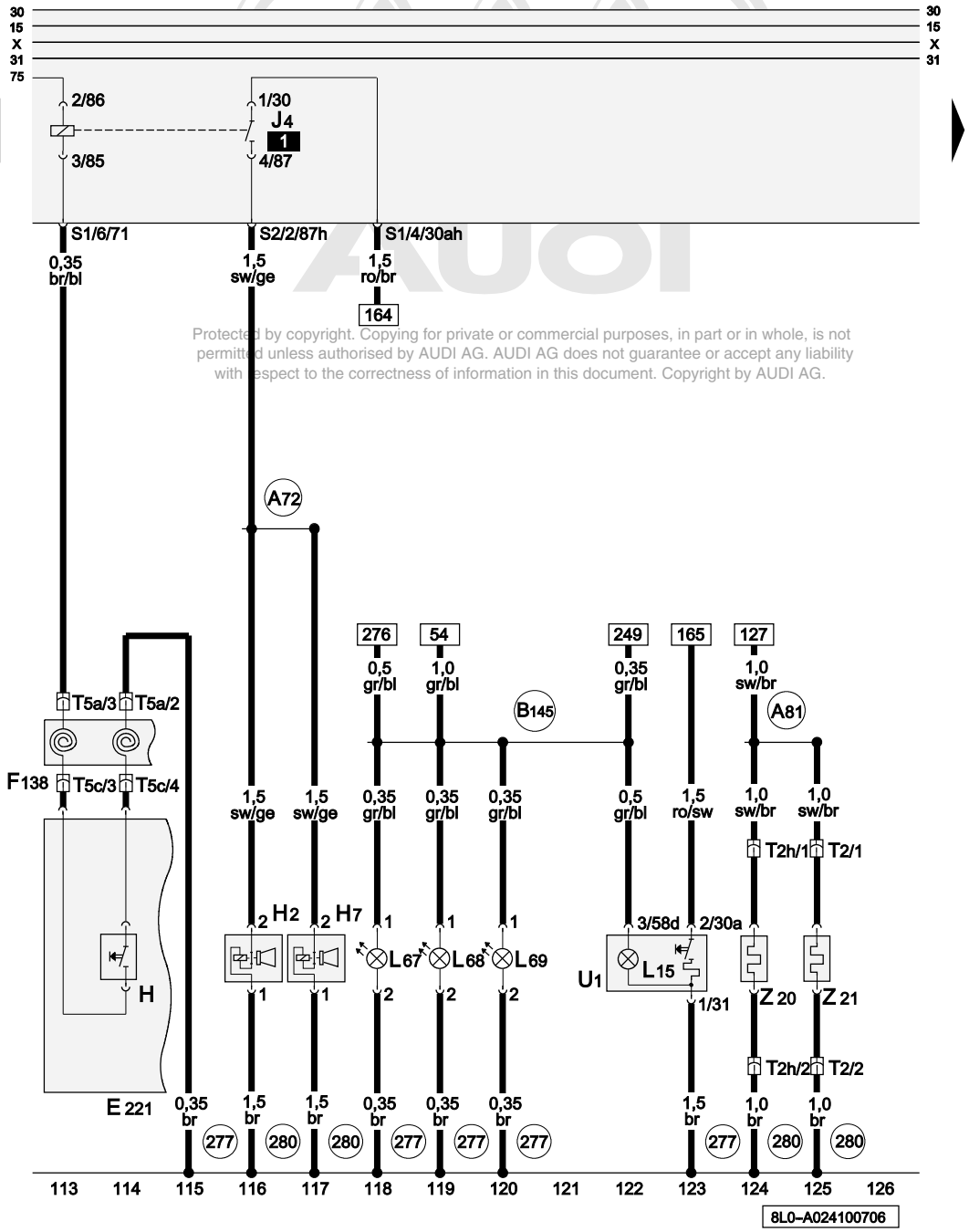


Right tail light, rear right turn signal, right brake light, right reversing light, high level brake light

J124	Rear bulb monitoring device
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
M25	High level brake light bulb
T5h	5-pin connector, brown, A-pillar left, near relay plate
T8g	8-pin connector, brown, on left in luggage compartment
98	Earth connection, in rear lid wiring harness
238	Earth connection 1, in interior wiring harness
B131	Connection (54), in interior wiring harness
*	for models with rear bulb monitoring device

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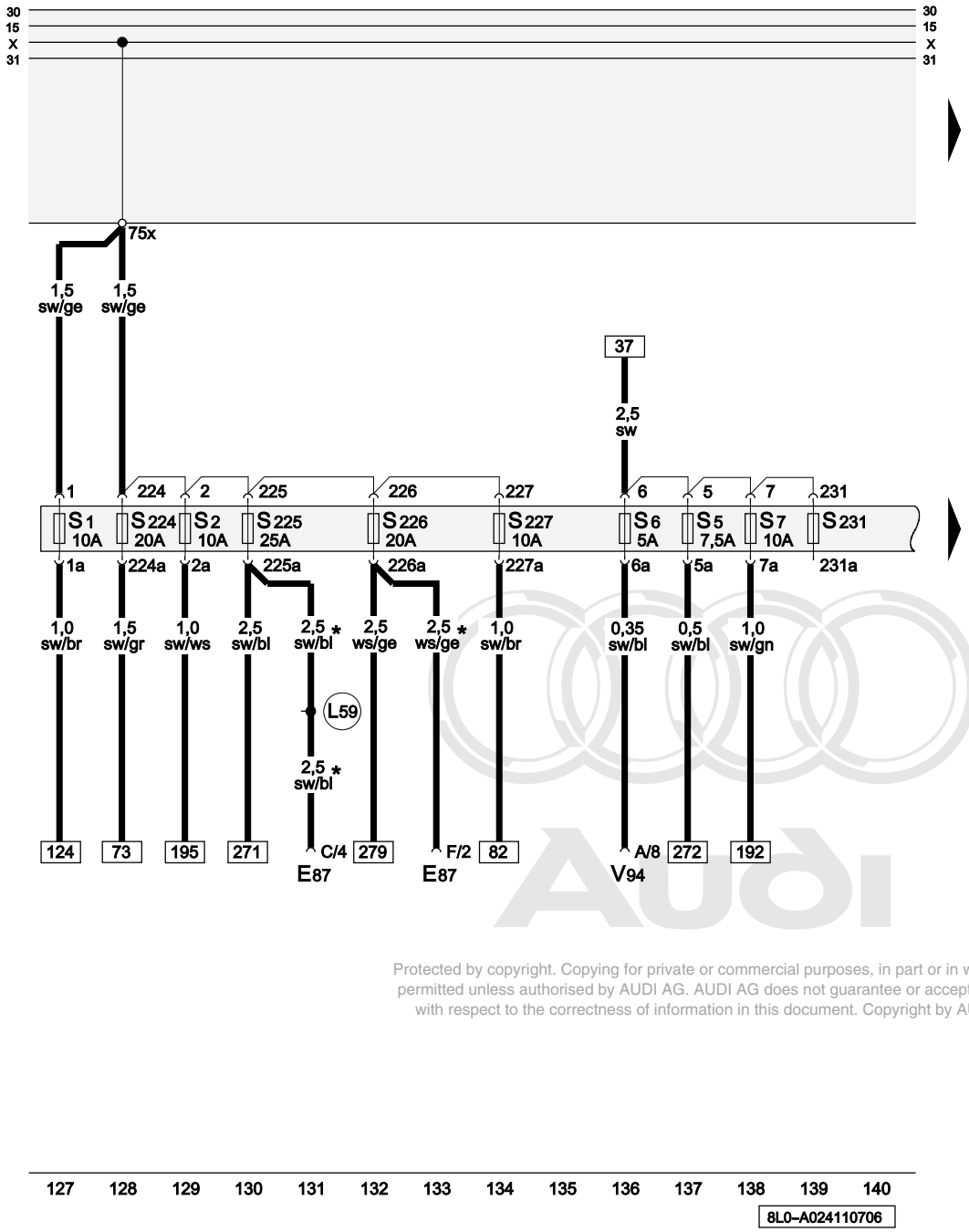


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Signal horn, cigarette lighter, ashtray illumination bulb, dash panel vent illumination bulb, left and right washer jet heater element

E221	Operating unit in steering wheel
F138	Airbag coil connector and return spring with slip ring
H	Horn plate
H2	Treble tone horn
H7	Bass tone horn
J4	Dual tone horn relay
L15	Ashtray illumination bulb
L67	Dash panel left vent illumination bulb
L68	Dash panel central vent illumination bulb
L69	Dash panel right vent illumination bulb
T2	2-pin connector, heated washer jet, on right in plenum chamber
T2h	2-pin connector, heated washer jet, on right in plenum chamber
T5a	5-pin connector, yellow, interior, on steering column
T5c	5-connector, yellow, interior, in steering wheel
U1	Cigarette lighter
Z20	Left washer jet heater element
Z21	Right washer jet heater element
277	Earth connection 3, in interior wiring harness
280	Earth connection, in communications wiring harness
A72	Connection (71), in dash panel wiring harness
A81	Connection 2 (X), in dash panel wiring harness
B145	Positive connection (58b), in interior wiring harness

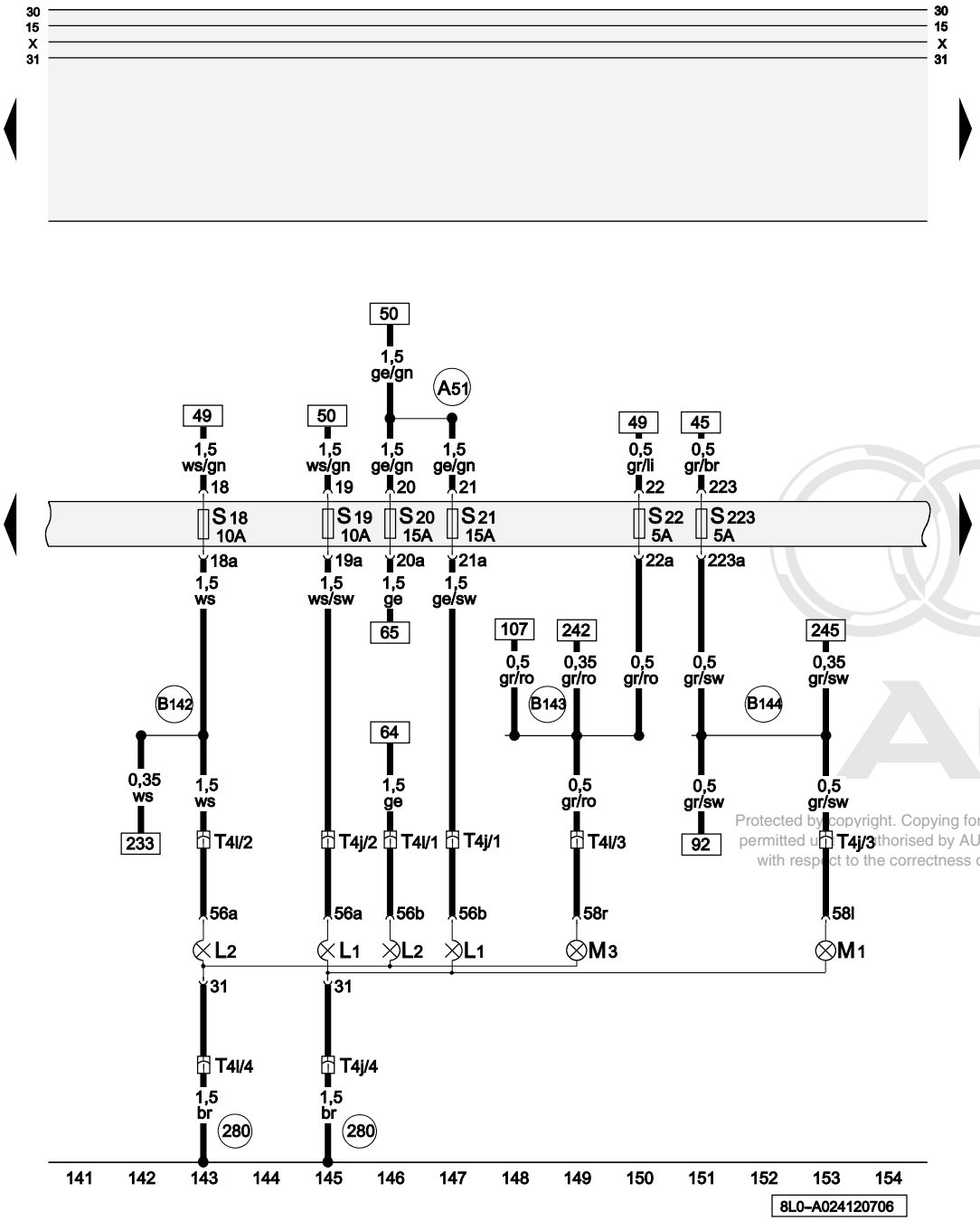


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Fuses

E87	Operating and display unit for air conditioning system/Climatronic
F10	Rear left door contact switch
S1	Fuse in relay plate fuse holder
S2	Fuse in relay plate fuse holder
S5	Fuse in relay plate fuse holder
S6	Fuse in relay plate fuse holder
S7	Fuse in relay plate fuse holder
S224	Fuse in fuse holder
S225	Fuse in fuse holder
S226	Fuse in fuse holder
S227	Fuse in fuse holder
S231	Fuse in fuse holder
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
L59	Positive connection (30), in heater unit wiring harness
*	with air conditioning system

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

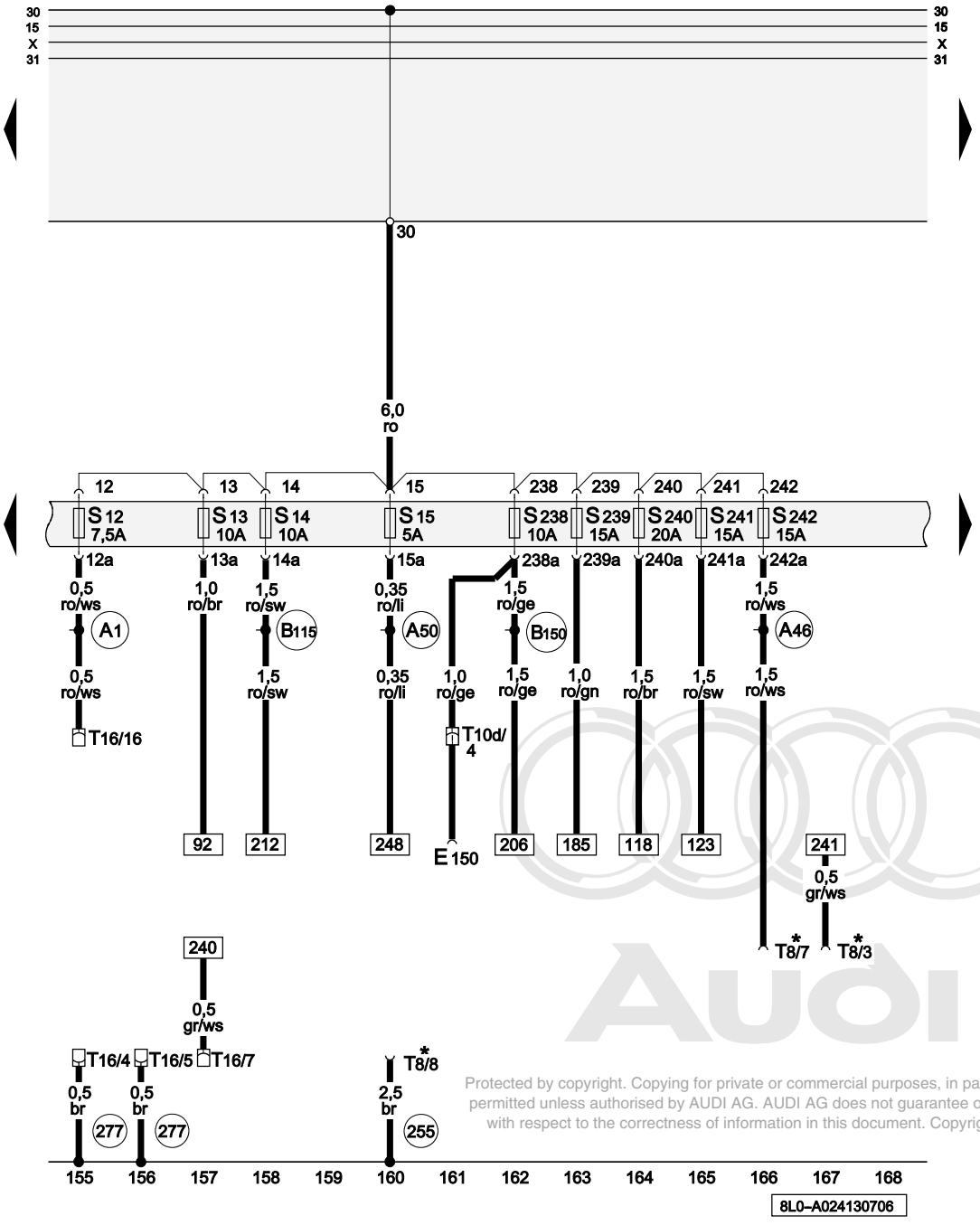


Fuses, headlight

L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M1	Left side light bulb
M3	Right side light bulb
S18	Fuse in relay plate fuse holder
S19	Fuse in relay plate fuse holder
S20	Fuse in relay plate fuse holder
S21	Fuse in relay plate fuse holder
S22	Fuse in relay plate fuse holder
S223	Fuse in fuse holder
T4j	4-pin connector, left headlight
T4l	4-pin connector, right headlight
280	Earth connection, in communications wiring harness
A51	Connection (56), in dash panel wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness

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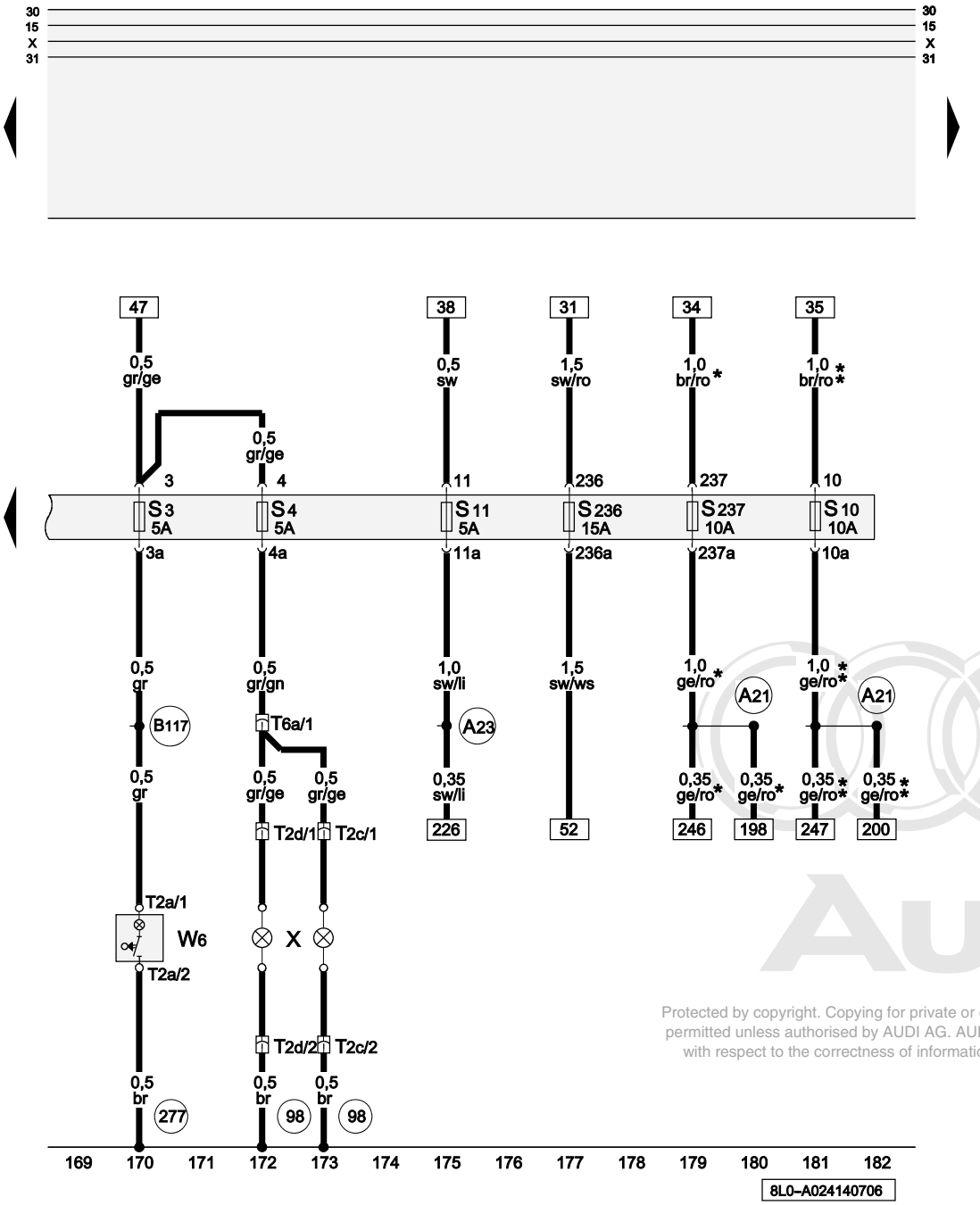


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Fuses, diagnostic connector, preparation for radio

E150	Driver side interior locking switch
S12	Fuse in relay plate fuse holder
S13	Fuse in relay plate fuse holder
S14	Fuse in relay plate fuse holder
S15	Fuse in relay plate fuse holder
S238	Fuse in fuse holder
S239	Fuse in fuse holder
S240	Fuse in fuse holder
S241	Fuse in fuse holder
S242	Fuse in fuse holder
T8	8-connector, on radio
T10d	10-pin connector, brown, connector carrier on left of A-pillar
T16	16-pin connector, black, shelf centre console (diagnostic connector)
255	Earth connection 1, in radio wiring harness
277	Earth connection 3, in interior wiring harness
A1	Positive connection (30a), in dash panel wiring harness
A46	Positive connection (30 - from radio), in dash panel wiring harness
A50	Positive connection (30as), in dash panel wiring harness
B115	Positive connection (30, central electrics), in interior wiring harness
B150	Positive connection 2 (30a), in interior wiring harness
*	see applicable Current Flow Diagram for radio

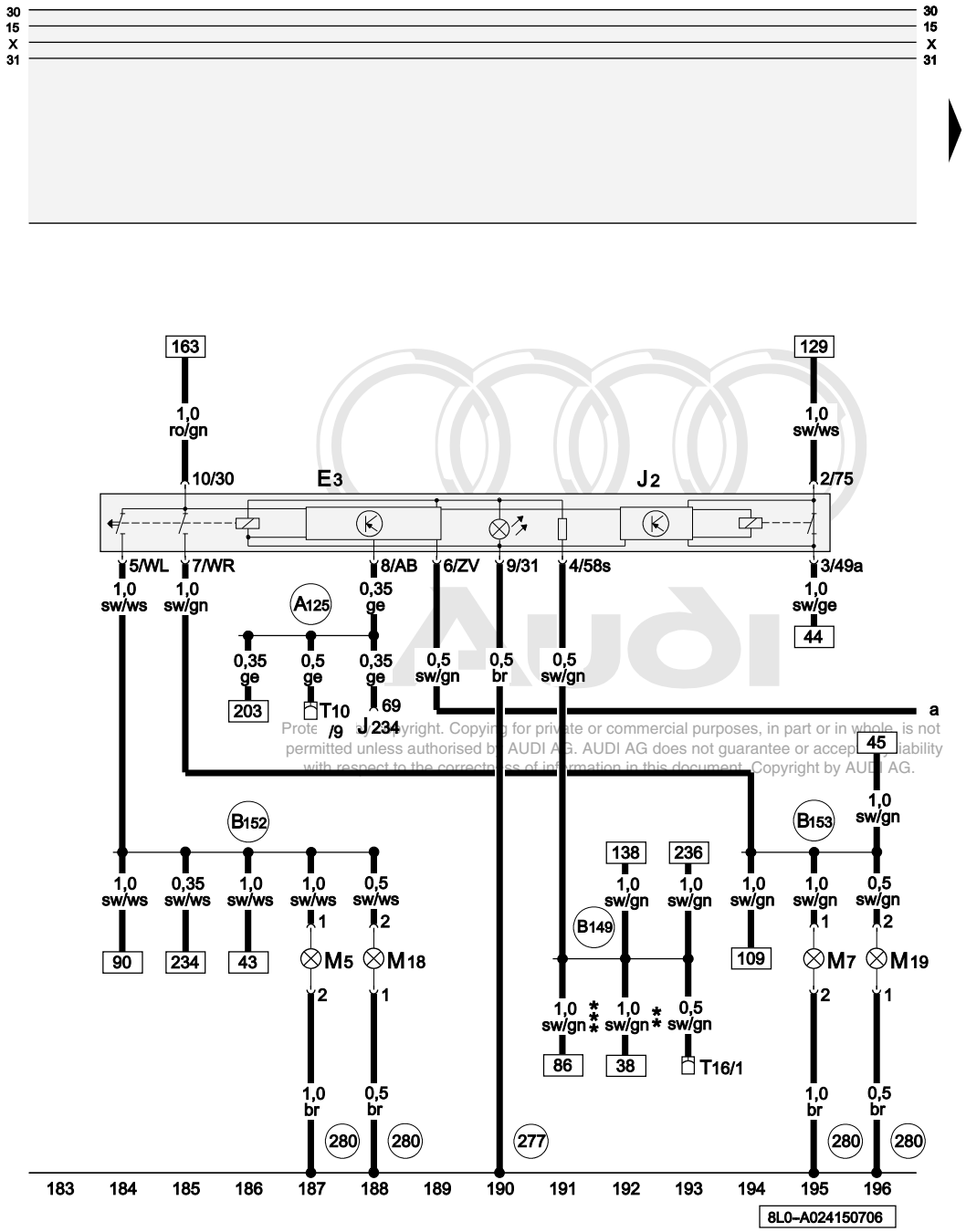


Fuses, glove compartment light, number plate light

S3	Fuse in relay plate fuse holder
S4	Fuse in relay plate fuse holder
S10	Fuse in relay plate fuse holder
S11	Fuse in relay plate fuse holder
S236	Fuse in fuse holder
S237	Fuse in fuse holder
T2a	2-pin connector, black, behind the dash panel, side right
T2c	2-pin connector, black, on right in rear lid
T2d	2-pin connector, black, on left in rear lid
T6a	6-pin connector, black, on left in luggage compartment
W6	Glove compartment light
X	Number plate light
98	Earth connection, in rear lid wiring harness
277	Earth connection 3, in interior wiring harness
A21	Connection (86s), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
B117	Connection (58a, right), in interior wiring harness
*	is dropped from November 2001
**	applicable from November 2001

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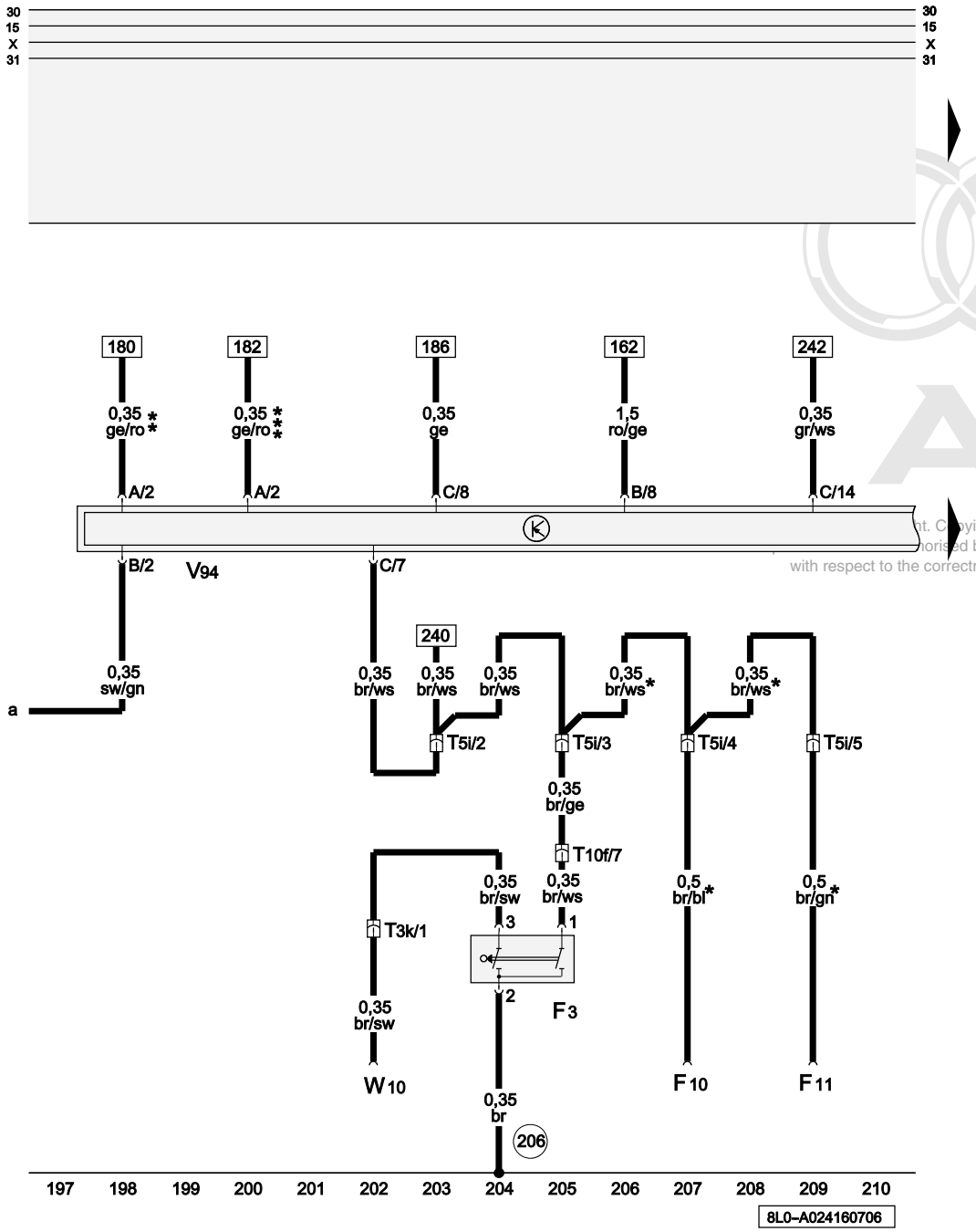


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Turn signal system and hazard warning lights system

E3	Hazard warning light switch
J2	Hazard warning light relay
J234	Airbag control unit
M5	Front left turn signal bulb
M7	Front right turn signal bulb
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T10	10-pin connector, white, in plenum chamber
T16	16-pin connector, black, shelf centre console (diagnostic connector)
277	Earth connection 3, in interior wiring harness
280	Earth connection, in communications wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B149	Positive connection 2 (15a), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
**	for automatic gearbox only
***	for manual gearbox only

ws	=	white
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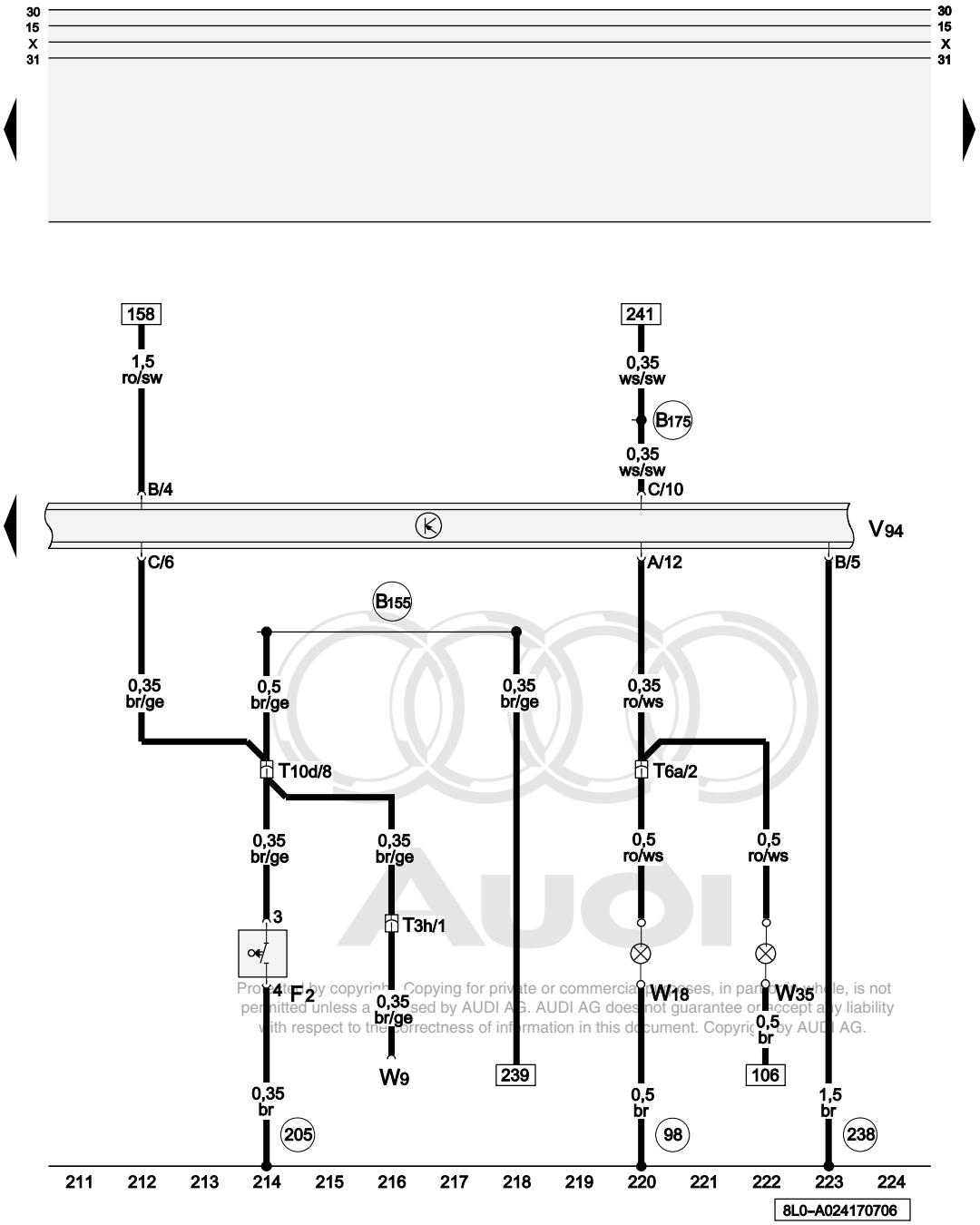
Right footwell light, door contact switch, central locking motor

F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
T3k	3-pin connector, black, interior, in front passenger door
T5i	5-pin connector, black, A-pillar left, near relay plate
T10f	10-pin connector, brown, connector carrier on right of A-pillar
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W10	Right footwell light
206	Earth connection, in door wiring harness, front passenger side
*	for 4-door models only
**	is dropped from November 2001
***	applicable from November 2001

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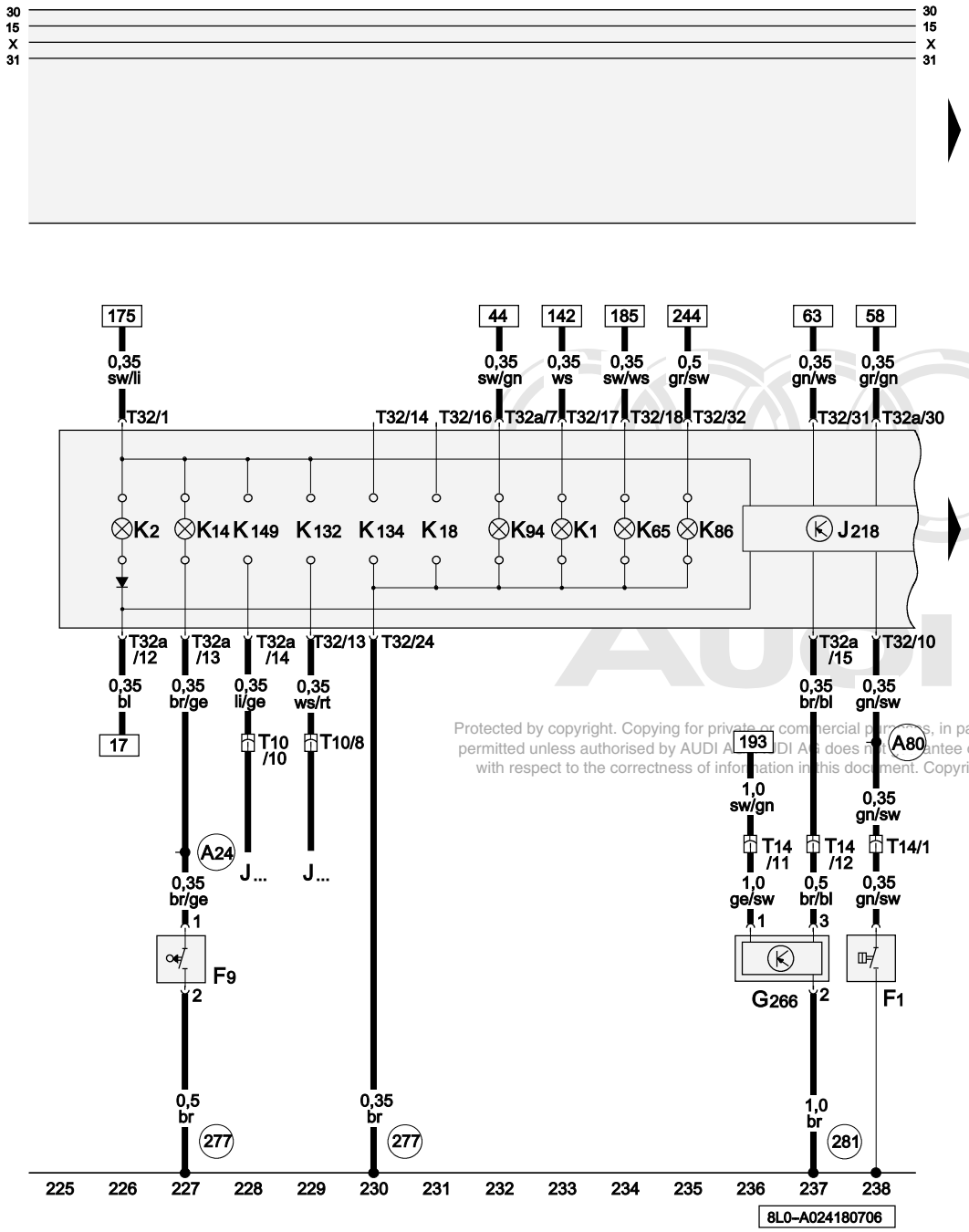


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Luggage compartment light, door contact switch, central locking motor, left footwell light

F2	Driver door contact switch
T3h	3-pin connector, black, interior, in driver door
T6a	6-pin connector, black, on left in luggage compartment
T10d	10-pin connector, brown, connector carrier on left of A-pillar
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W9	Left footwell light
W18	Luggage compartment light on left
W35	Right luggage compartment light
98	Earth connection, in rear lid wiring harness
205	Earth connection, in driver door wiring harness
238	Earth connection 1, in interior wiring harness
B155	Connection 2 (DCt), in interior wiring harness
B175	Connection (central locking), in interior wiring harness

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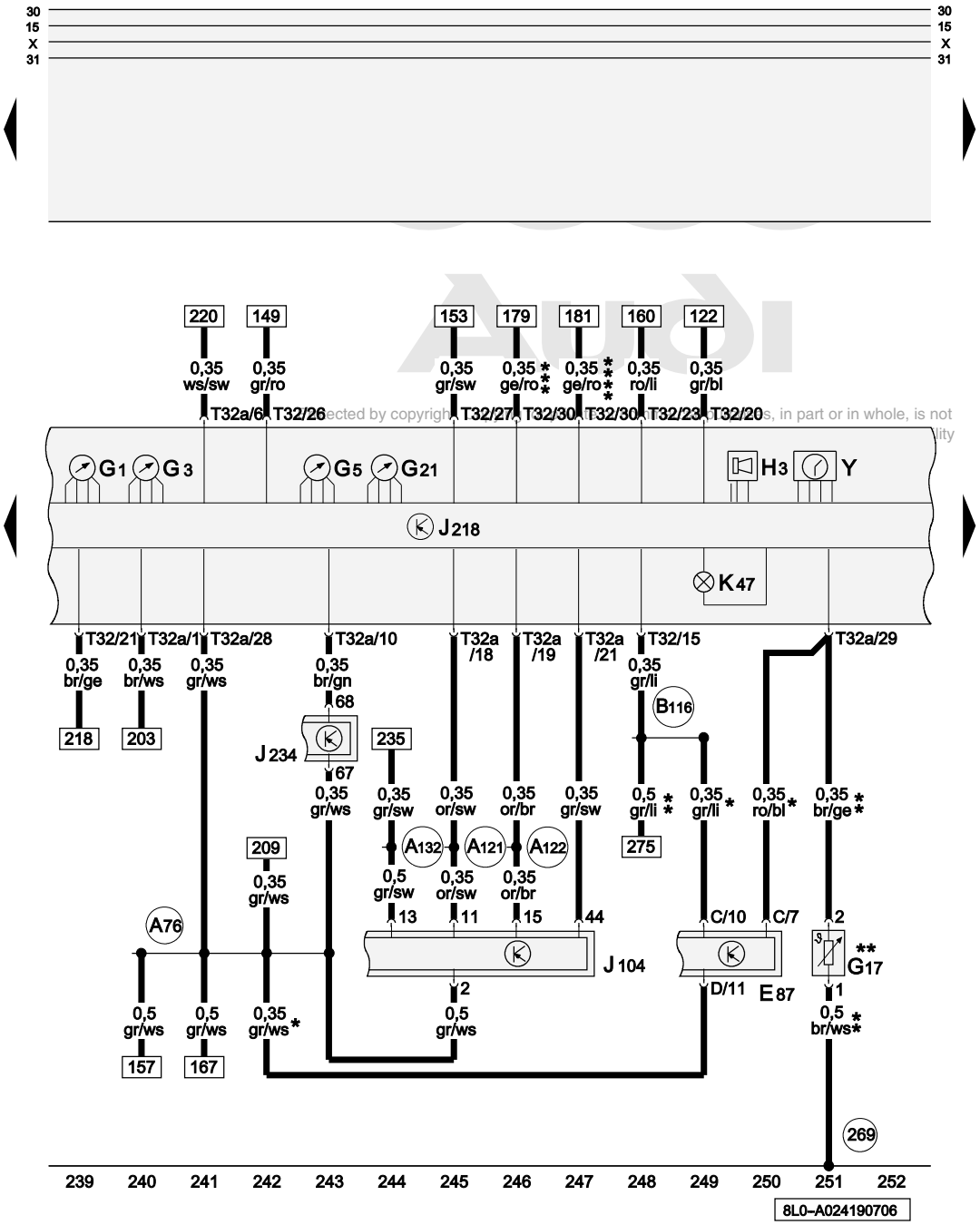


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Combi-processor in dash panel insert, handbrake warning switch, warning lamps, oil level and oil temperature sender, oil pressure switch

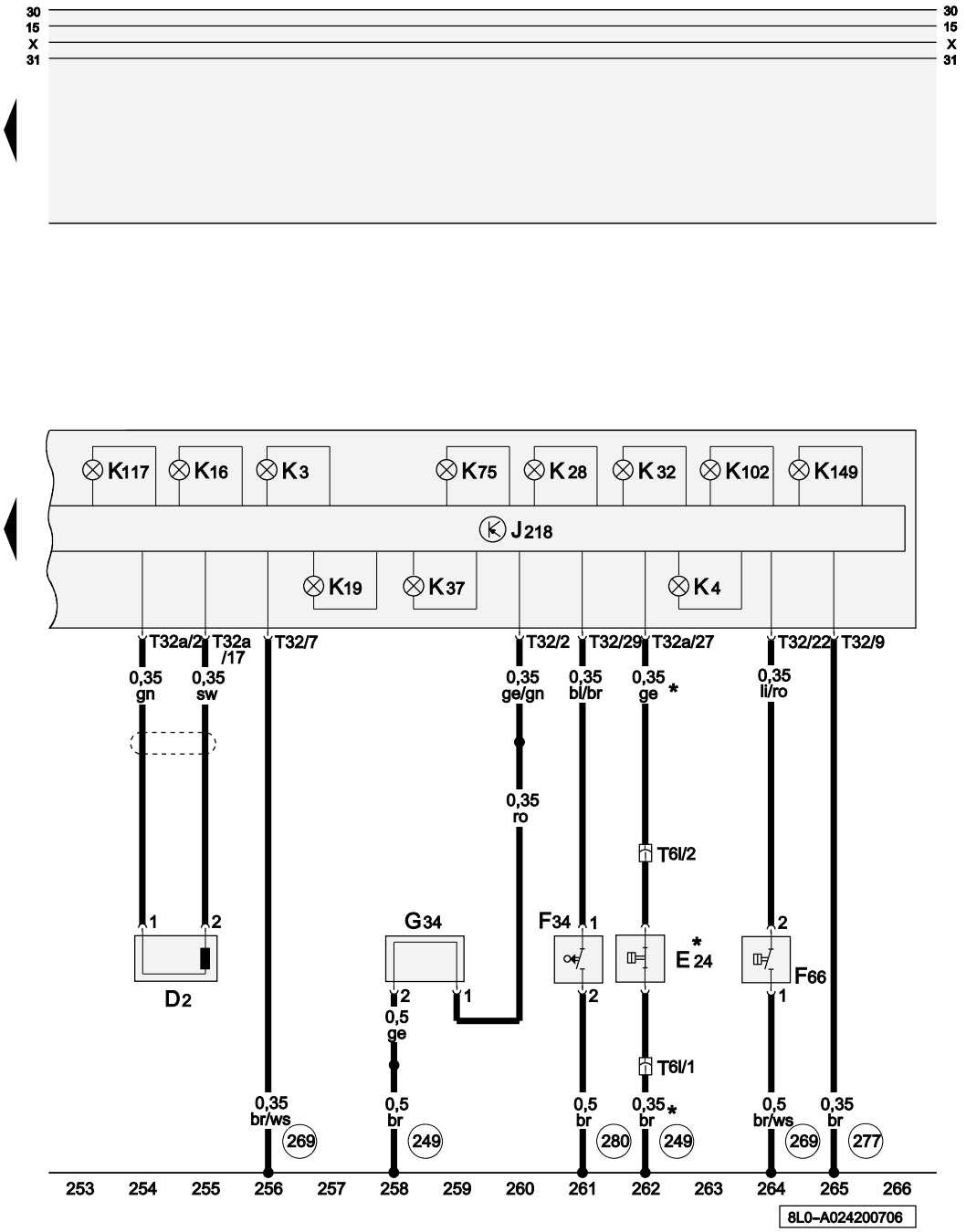
F1	Oil pressure switch
F9	Handbrake warning switch
G266	Oil level and oil temperature sender
J218	Combi-processor in dash panel insert
J...	Engine control units
K1	Main beam warning lamp
K2	Alternator warning lamp
K14	Handbrake warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K86	Traction control system warning lamp
K94	Right turn signal warning lamp
K132	Electric power control fault lamp
K134	Adaptive suspension warning lamp
K149	Engine electronics warning lamp
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in left engine compartment
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
277	Earth connection 3, in interior wiring harness
281	Earth connection 1, in engine harness
A24	Connection (brake system monitoring), in dash panel wiring harness
A80	Connection 1 (X), in dash panel wiring harness



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Combi-processor in dash panel insert, ABS control unit with EDL, operating and display unit for air conditioning system, fuel gauge, coolant temperature gauge

E87	Operating and display unit for air conditioning system/Climatronic
G1	Fuel gauge
G3	Coolant temperature gauge
G5	Rev. counter
G17	Ambient temperature sensor
G21	Speedometer
H3	Buzzer and gong
J104	ABS control unit
J218	Combi-processor in dash panel insert
J234	Airbag control unit
K47	ABS warning lamp
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
Y	Analogue clock
269	Earth connection (sender earth) 1, in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
A132	Connection (TCS/ESP), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
*	for air conditioner
**	not for conditioner
***	is dropped from November 2001
****	applicable from November 2001

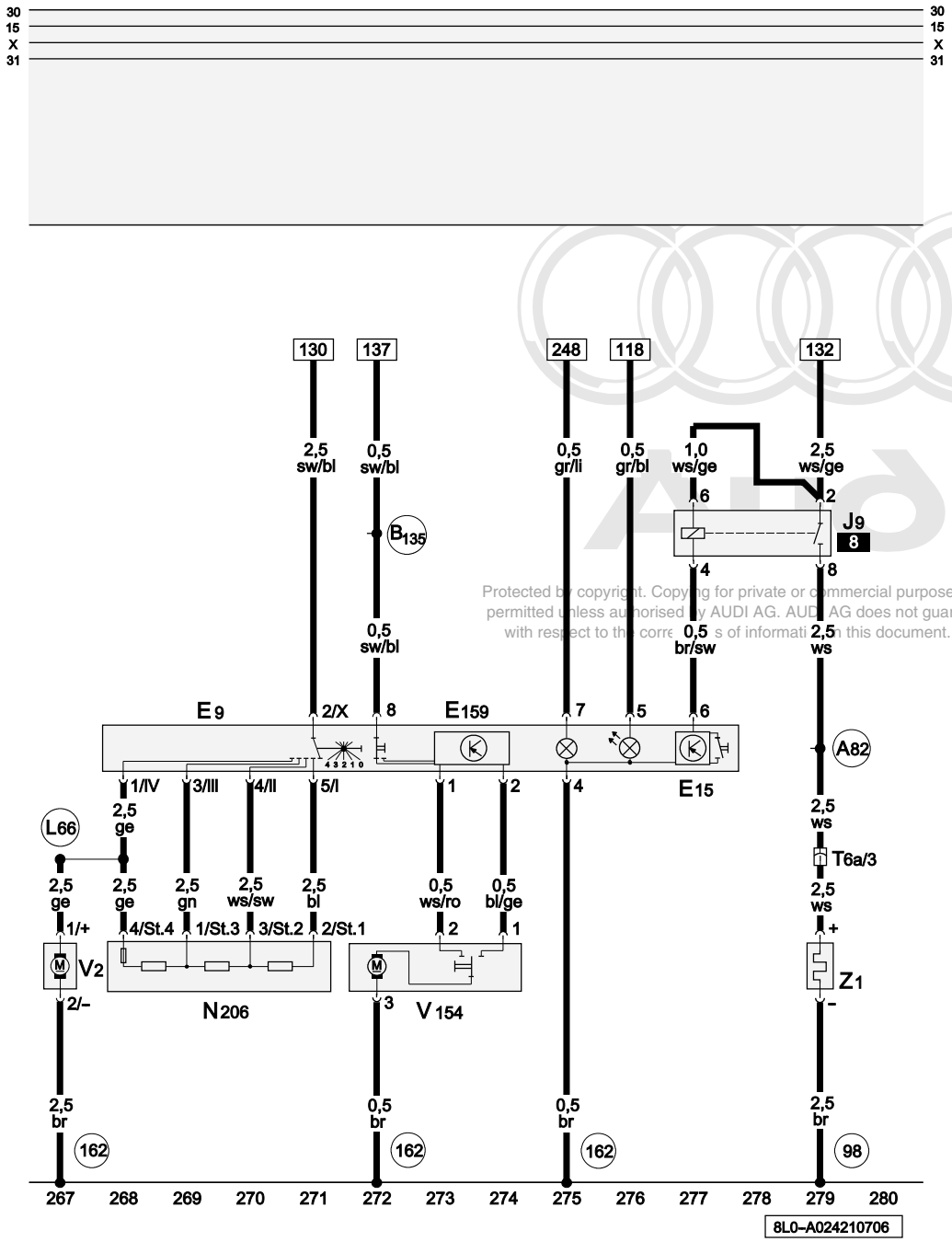


Immobilizer reader coil, warning lamps, belt switch, coolant shortage indicator switch, brake pad wear sender

D2	Immobilizer reader coil
E24	Driver side belt switch
F34	Brake fluid level warning contact
F66	Coolant shortage indicator switch
G34	Front left brake pad wear sender
J218	Combi-processor in dash panel insert
K3	Oil pressure warning lamp
K4	Side light warning lamp
K16	Reserve fuel warning lamp
K19	Seat belt warning system warning lamp
K28	Coolant temperature and coolant shortage warning lamp
K32	Brake pad warning lamp
K37	Washer fluid level warning lamp
K75	Airbag warning lamp
K102	Rear lid closed warning lamp
K117	Immobilizer warning lamp
K149	Engine electronics warning lamp
T6l	6-pin connector, red, under driver seat
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
249	Earth connection 2, in interior wiring harness
269	Earth connection (sender earth) 1, in dash panel wiring harness
277	Earth connection 3, in interior wiring harness
280	Earth connection, in communications wiring harness
*	only with seat belt warning

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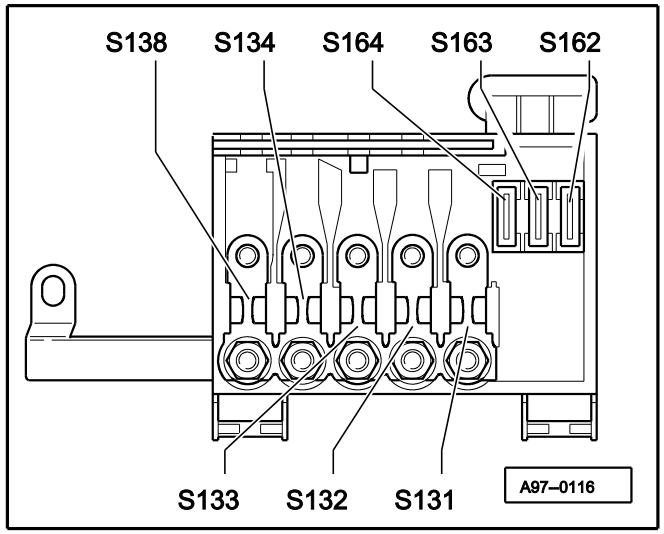
Fresh air blower without air conditioning system, heated rear window

E9	Fresh air blower switch
E15	Heated rear window switch
E159	Fresh air/air recirculation flap switch
J9	Heated rear window relay
N206	Warm air blower series resistor with overheating valve
T6a	6-pin connector, black, on left in luggage compartment
V2	Fresh air blower
V154	Fresh air/recirculated air flap control motor
Z1	Heated rear window
98	Earth connection, in rear lid wiring harness
162	Earth connection, in blower motor wiring harness
A82	Connection (windscreen heater), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
L66	Connection, in heater blower wiring harness

1.6 litre fuel injection engine (Simos), 75 kW, 4-cylinder, engine code AVU

From model year 2002

Main fuse box/battery

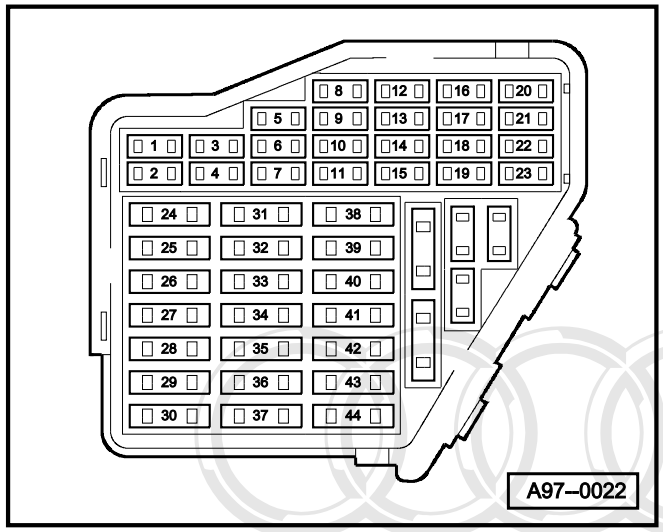


Position of fuses:

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - 1 in fuse in fuse box/battery
S163 - 2 fuse in fuse box/battery
S164 - 3 fuse in fuse box/battery

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Fuse box



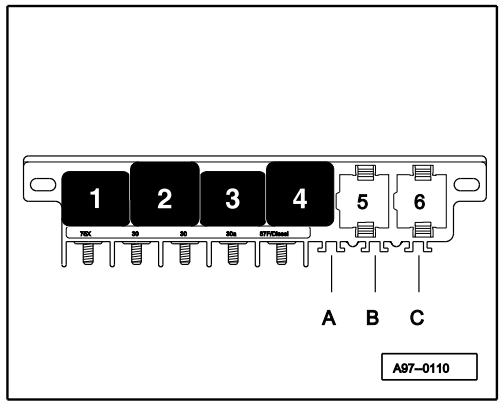
From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours:

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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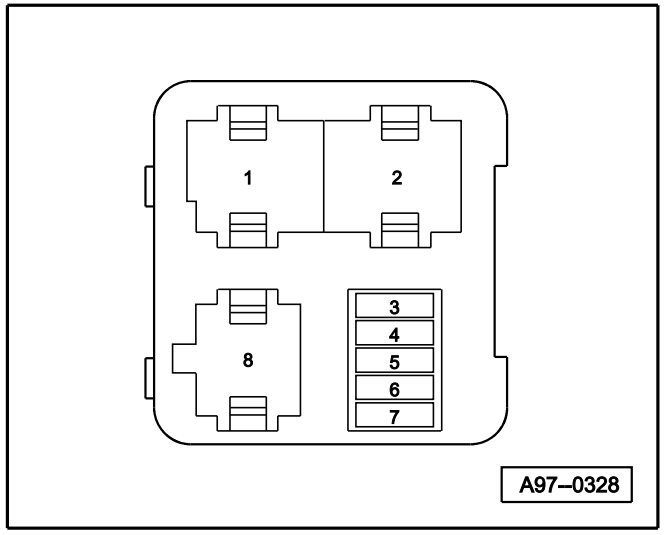
Micro-central electrics



Position of relays:

4 - Fuel pump relay

3-point relay carrier/fuse box:



Position of relays:

1 - Secondary air pump relay

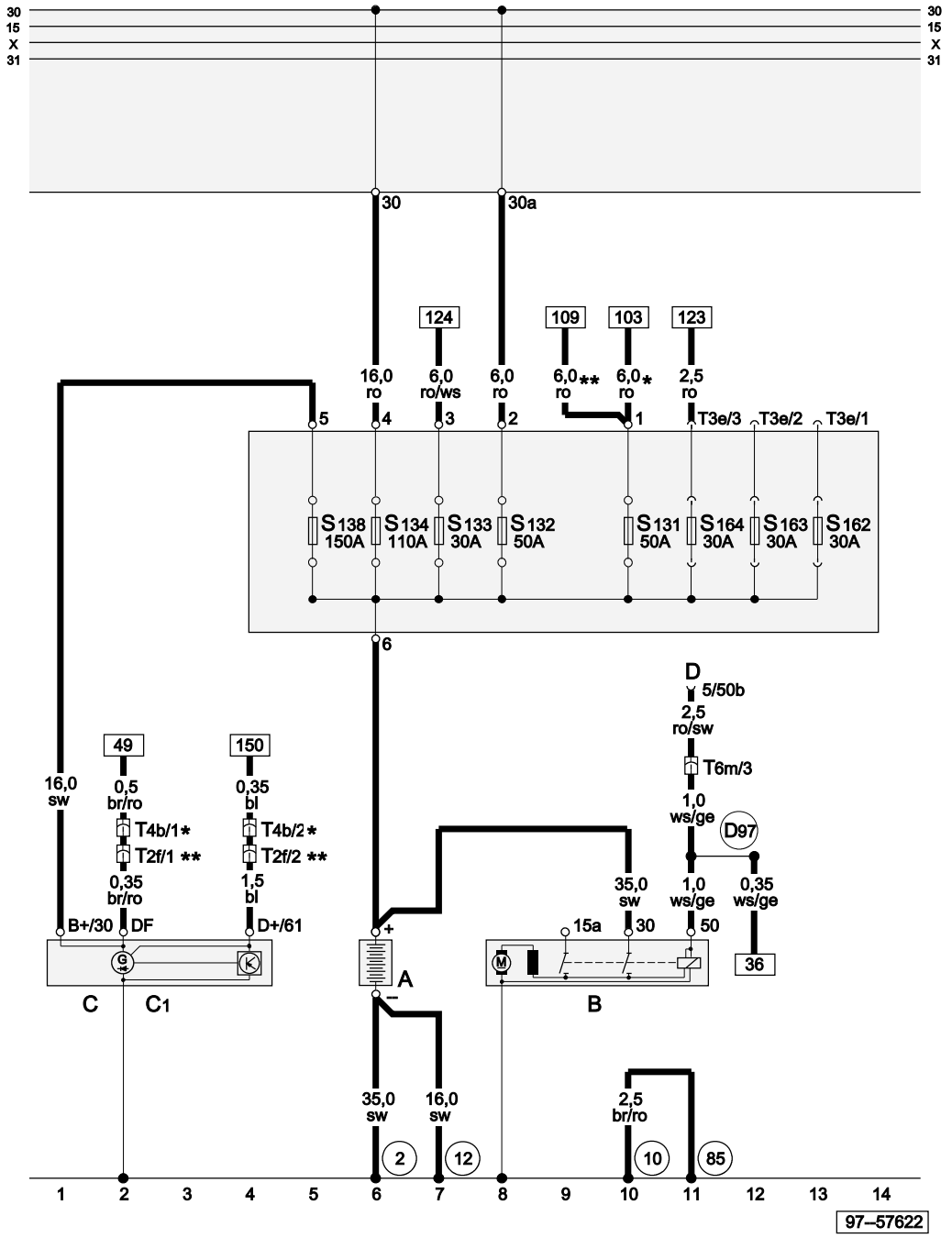
2 - Current supply relay for Simos control unit

Position of fuses:

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3 - Brake vacuum pump fuse

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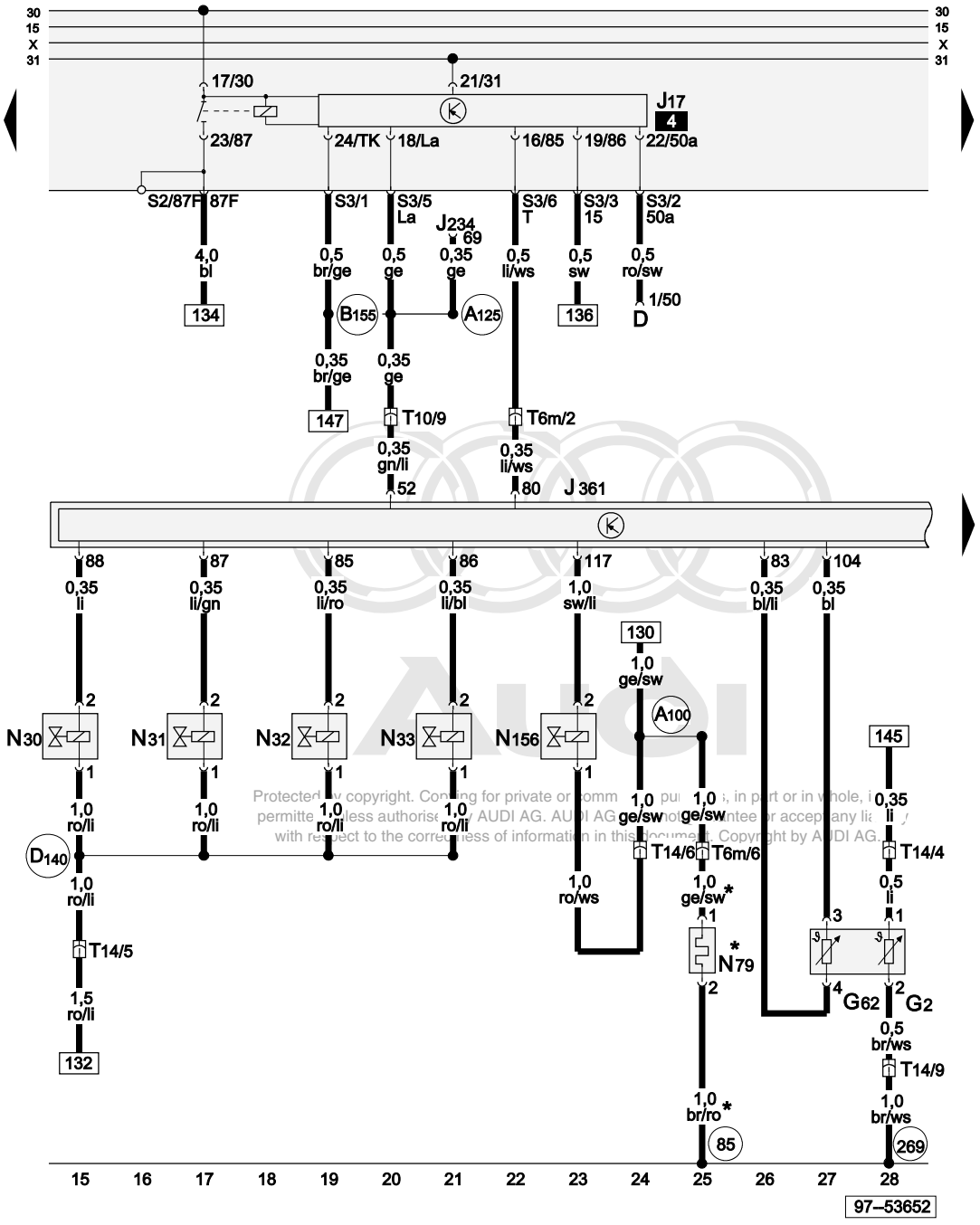
Battery, starter, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
S138	Fuse 5
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber

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2	Earth strap, gearbox - body
10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
D97	Connection (50), in engine compartment wiring harness, right

* Only applies to models with air conditioner
** Only applies to models without air conditioner

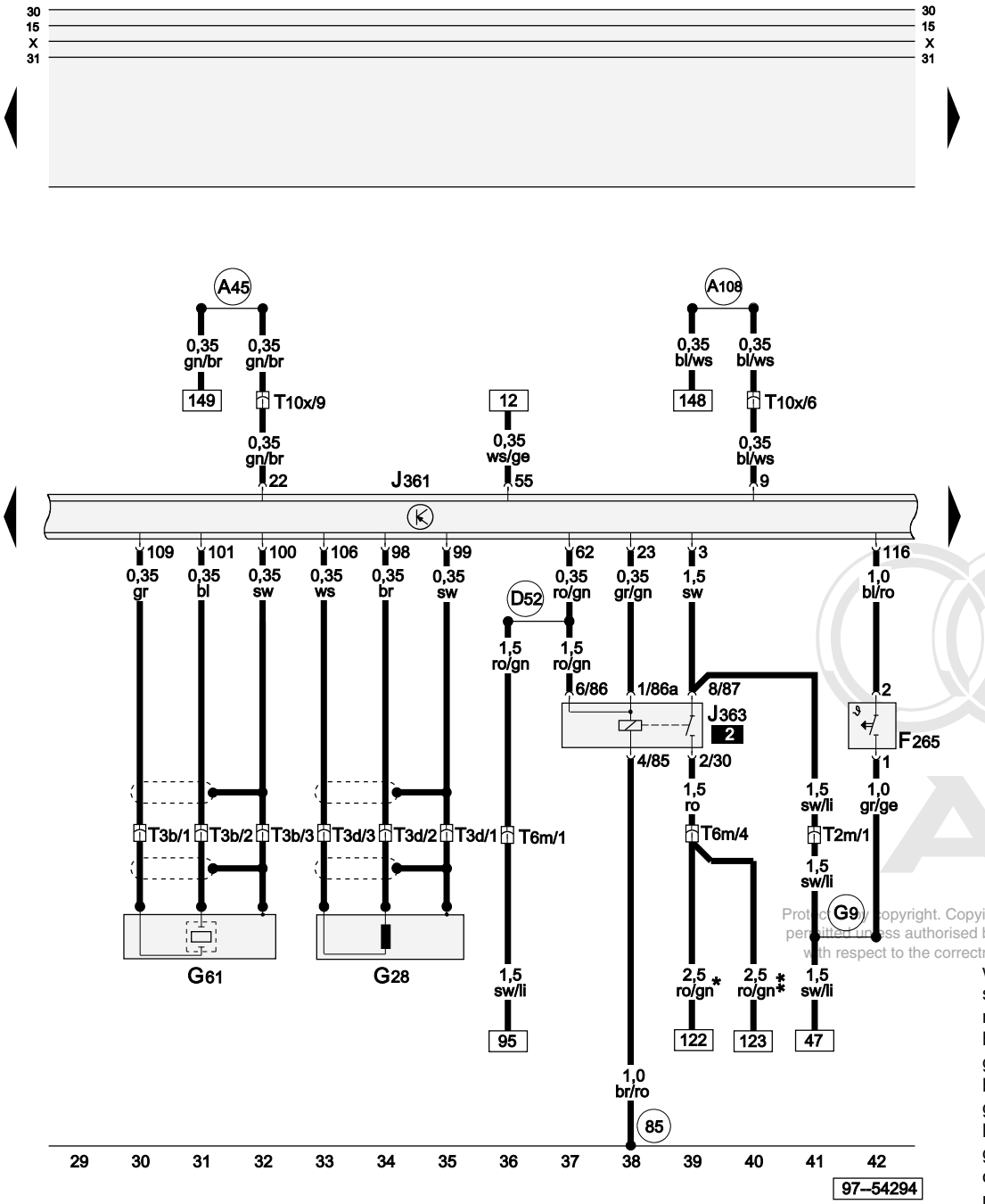


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Injectors, intake manifold change-over valve, fuel pump relay, coolant temperature senders

D	Ignition/starter switch
G2	Coolant temperature sender
G62	Coolant temperature sender
J17	Fuel pump relay
J234	Airbag control unit
J361	Simos control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N79	Heater element (crankcase breather)
N156	Intake manifold change-over valve
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B155	Connection -2- (TK (door contact)), in interior wiring harness
D140	Connection (injectors), in engine wiring harness
*	Only applies to models with heater element (crankcase breather)

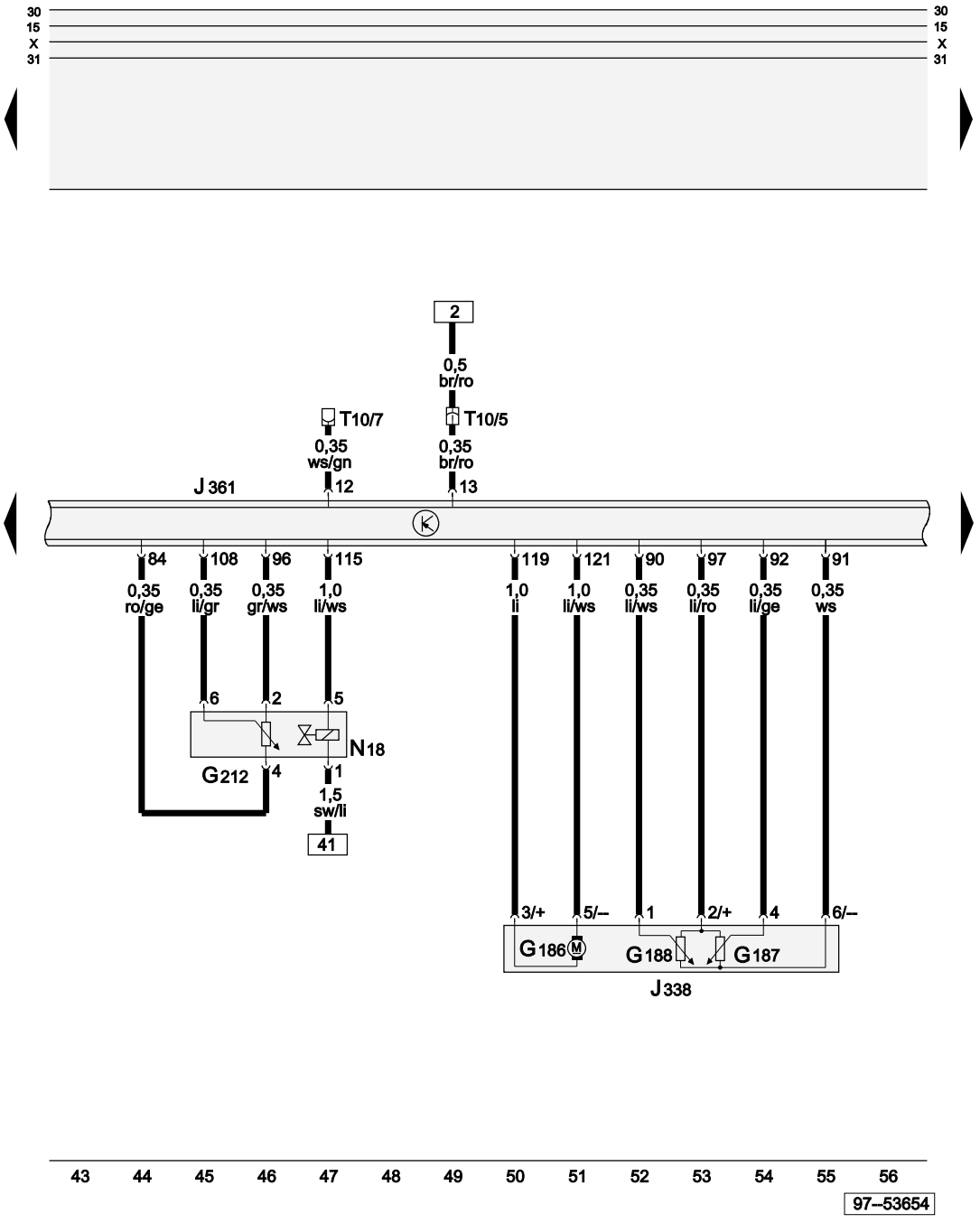


Engine speed sender, Simos control unit, thermostat for engine cooling, knock sensor

F265	Map-controlled engine cooling thermostat
G28	Engine speed sender
G61	Knock sensor I
J361	Simos control unit
J363	Current supply relay for Simos control unit
T2m	2-pin connector, engine prewiring, wiring duct, in engine compartment, left
T3b	3-pin connector, blue, knock sensor I, in engine compartment
T3d	3-pin connector, white, engine speed sender, in engine compartment
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D52	Positive (+) connection (15a), in engine compartment wiring harness
G9	Connection, in Simos wiring harness
*	As of November 2001 no longer fitted
**	From November 2001 onwards

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

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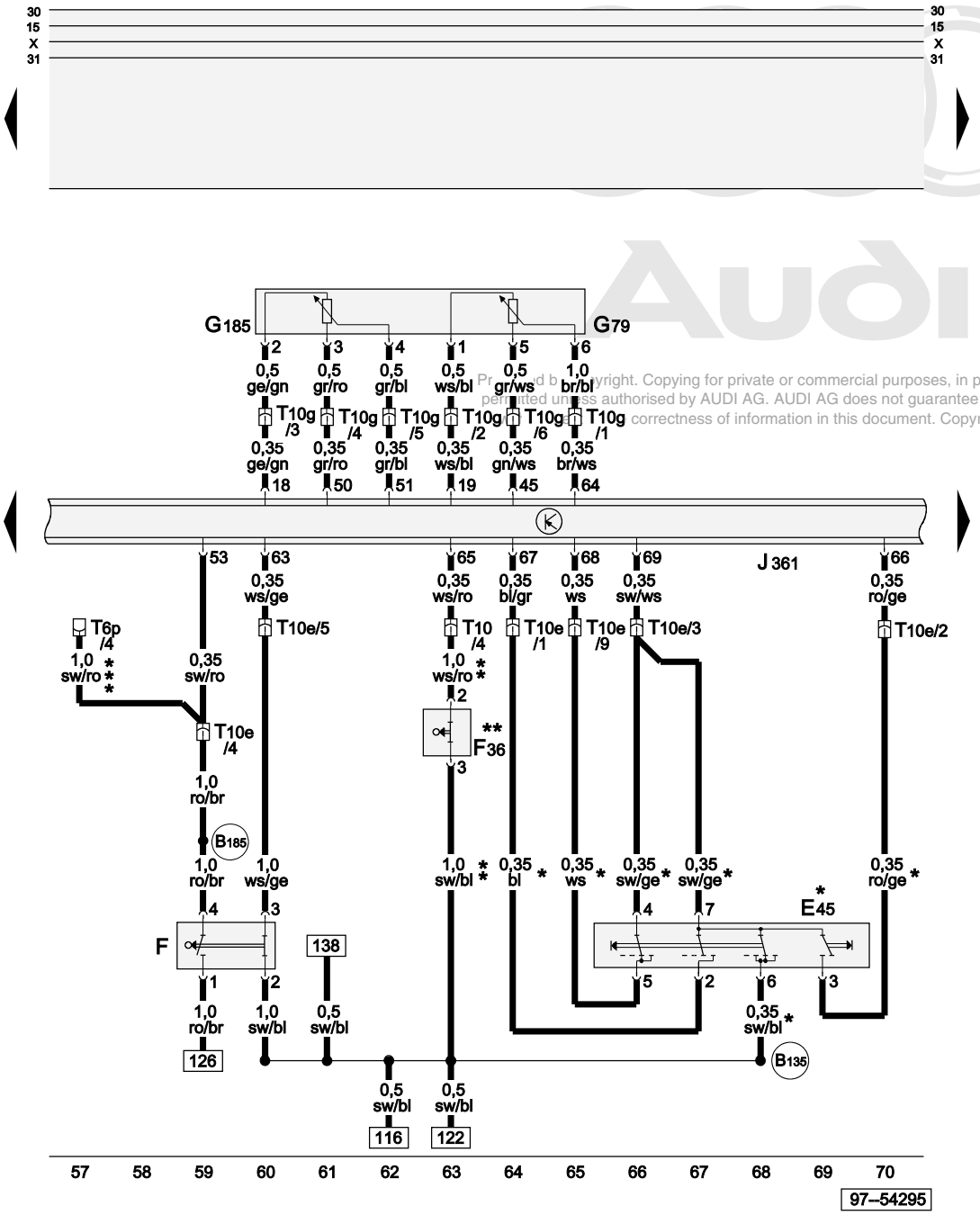


Simos control unit, throttle valve control unit, exhaust gas recirculation valve

G186	Throttle valve drive (electric throttle operation)
G187	Throttle valve drive angle sender -1- (electric throttle operation)
G188	Throttle valve drive angle sender -2- (electric throttle operation)
G212	Exhaust gas recirculation potentiometer
J338	Throttle valve control unit
J361	Simos control unit
N18	Exhaust gas recirculation valve
T10	10-pin connector, white, 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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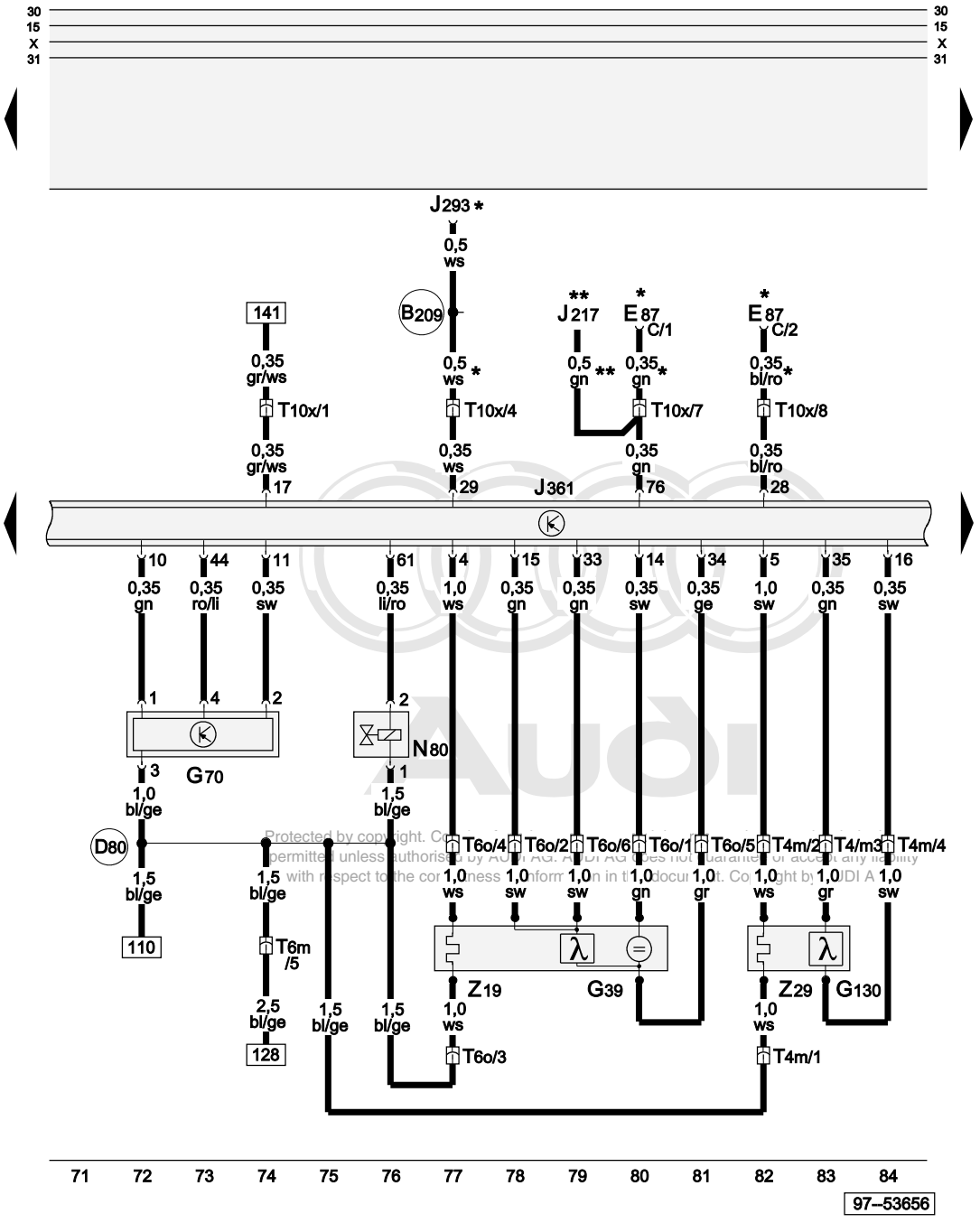


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Simos control unit, accelerator pedal position senders, cruise control system switch, clutch pedal switch, brake light switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J361	Simos control unit
T6p	6-pin connector, in engine compartment, left
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox
***	Only models with automatic gearbox

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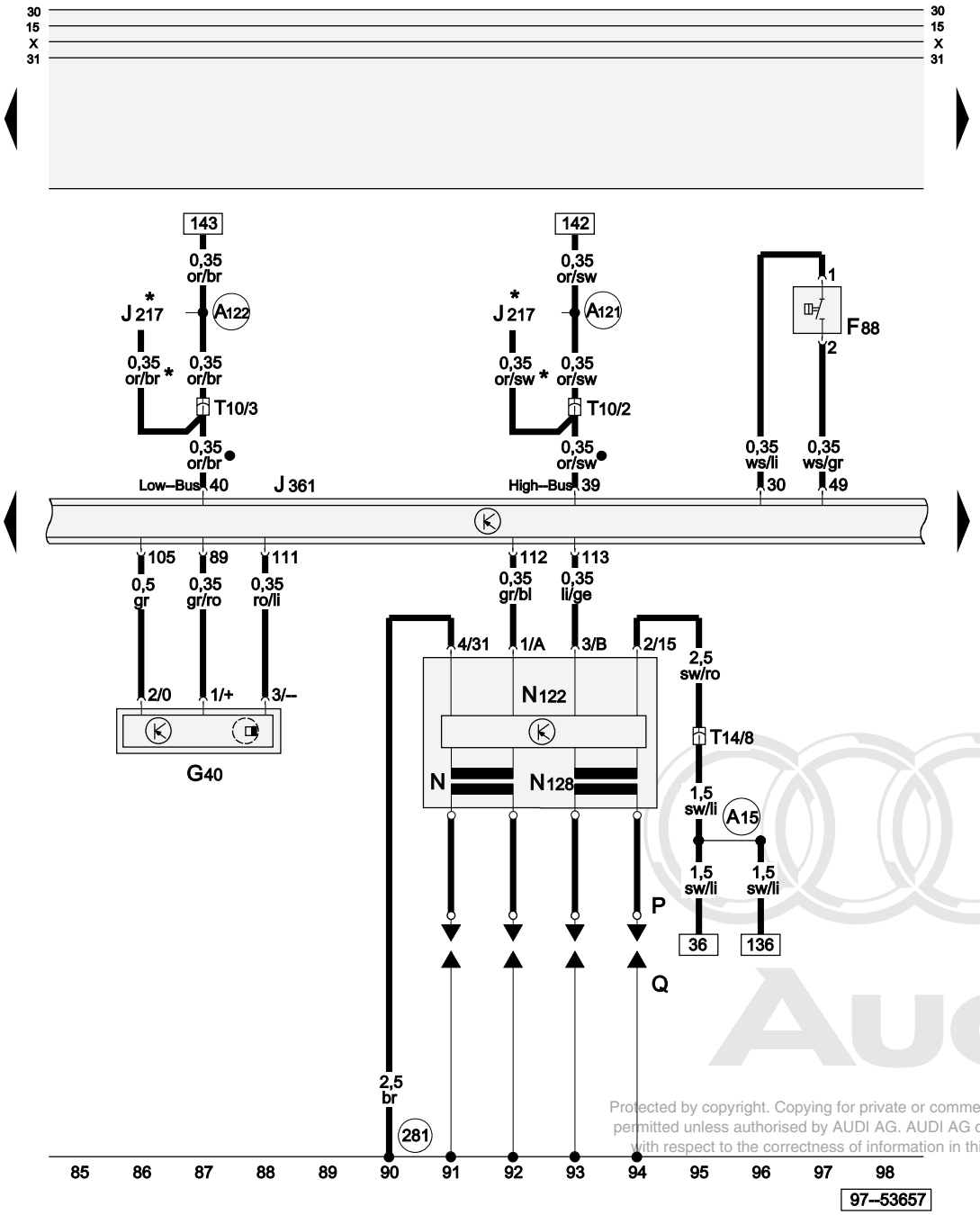


Simos control unit, lambda probes, control and display unit for air conditioner/Climatronic

E87	Control and display unit for air conditioner/Climatronic
G39	Lambda probe
G70	Air mass meter
G130	Lambda probe downstream of catalytic converter
J217	Automatic gearbox control unit
J293	Radiator fan control unit
J361	Simos control unit
N80	Activated charcoal filter system solenoid valve 1 (pulsed)
T4m	4-pin connector, lambda probe, in engine compartment, right
T6m	6-pin connector, brown, engine compartment, in plenum chamber
T6o	6-pin connector, lambda probe, in engine compartment, right
T10x	10-pin connector, orange, engine compartment, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
B209	Connection (Climatronic sender), in interior wiring harness
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
*	Only models with air conditioner
**	Only models with automatic gearbox

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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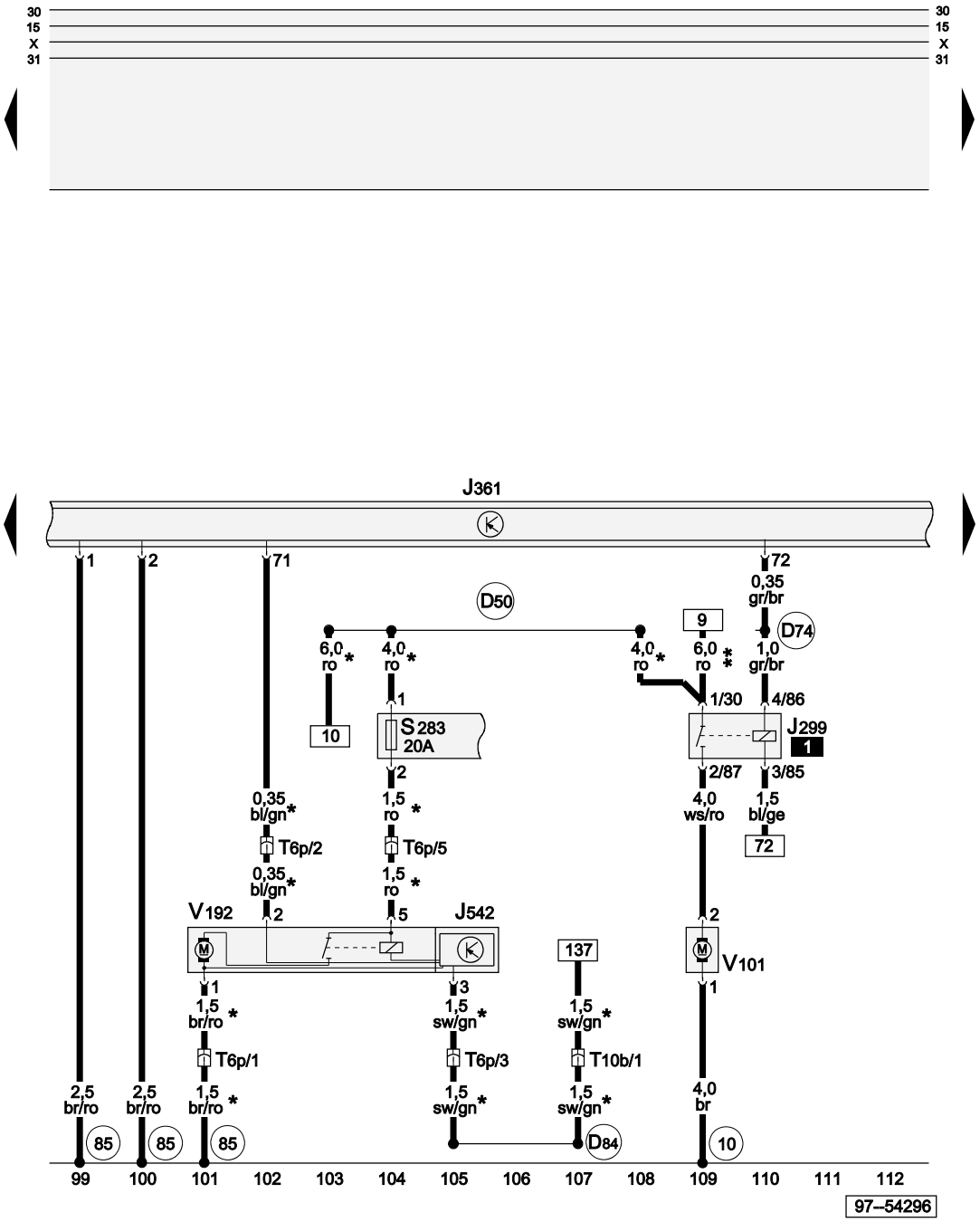


Simos control unit, ignition coil, Hall sender, power assisted steering pressure switch

F88	Power assisted steering pressure switch
G40	Hall sender
J217	Automatic gearbox control unit
J361	Simos control unit
N	Ignition coil
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
281	Earth connection -1-, in engine prewiring wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
*	Only models with automatic gearbox
•	CAN bus (data wire)

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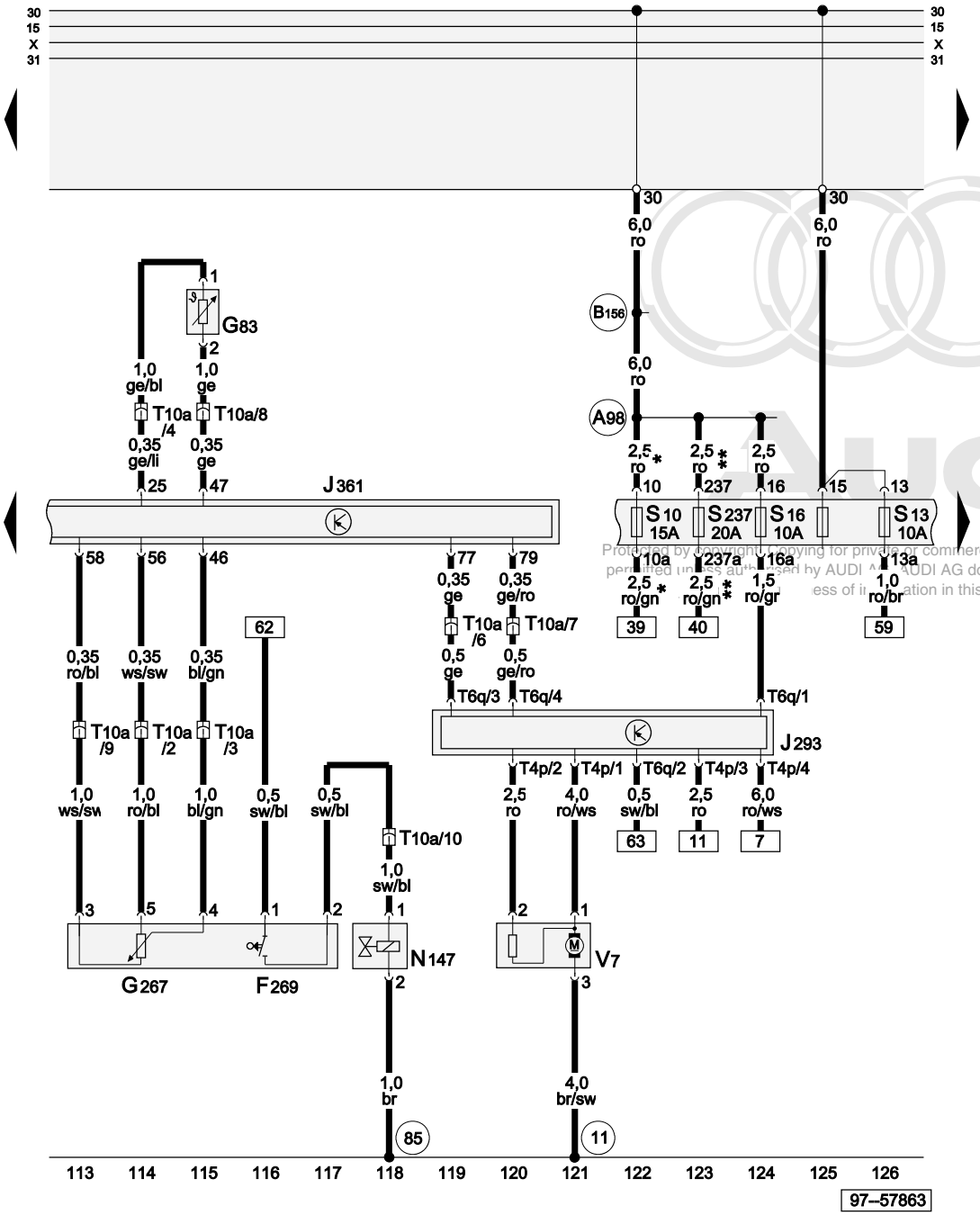


Simos control unit, brake servo control unit, vacuum pump for brakes, secondary air pump motor, secondary air pump relay

J299	Secondary air pump relay
J361	Simos control unit
J542	Brake servo control unit
S283	Brake vacuum pump fuse
T6p	6-pin connector, in engine compartment, left
T10b	10-pin connector, grey, in plenum chamber
V101	Secondary air pump motor
V192	Vacuum pump for brakes
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
D50	Positive (+) connection (30), in engine compartment wiring harness
D74	Connection (86), in engine compartment wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox

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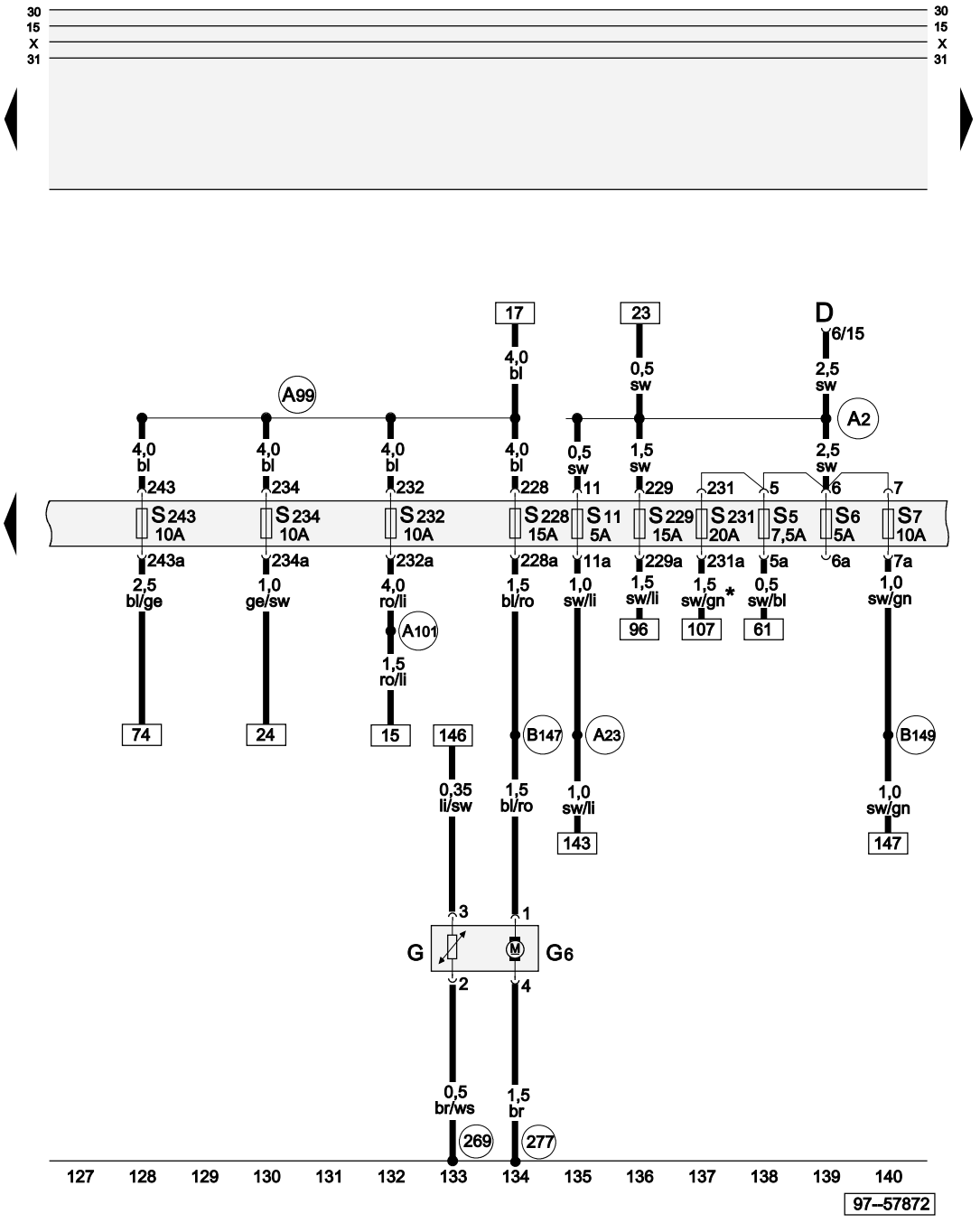


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Simos control unit, coolant temperature sender, radiator fan control unit

F269	Temperature flap position switch
G83	Coolant temperature sender - radiator outlet
G267	Temperature selection rotary knob potentiometer
J293	Radiator fan control unit
J361	Simos control unit
N147	Two-way valve for coolant cut-off valve
S10	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S16	Fuse in fuse box/relay plate
S237	Fuse in fuse box
T4p	4-pin connector, on radiator fan control unit
T6q	6-pin connector, on radiator fan control unit
T10a	10-pin connector, green, in plenum chamber
V7	Radiator fan
11	Earth point, in battery box
85	Earth connection -1-, in engine compartment wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
*	As of November 2001 no longer fitted
**	From November 2001 onwards

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

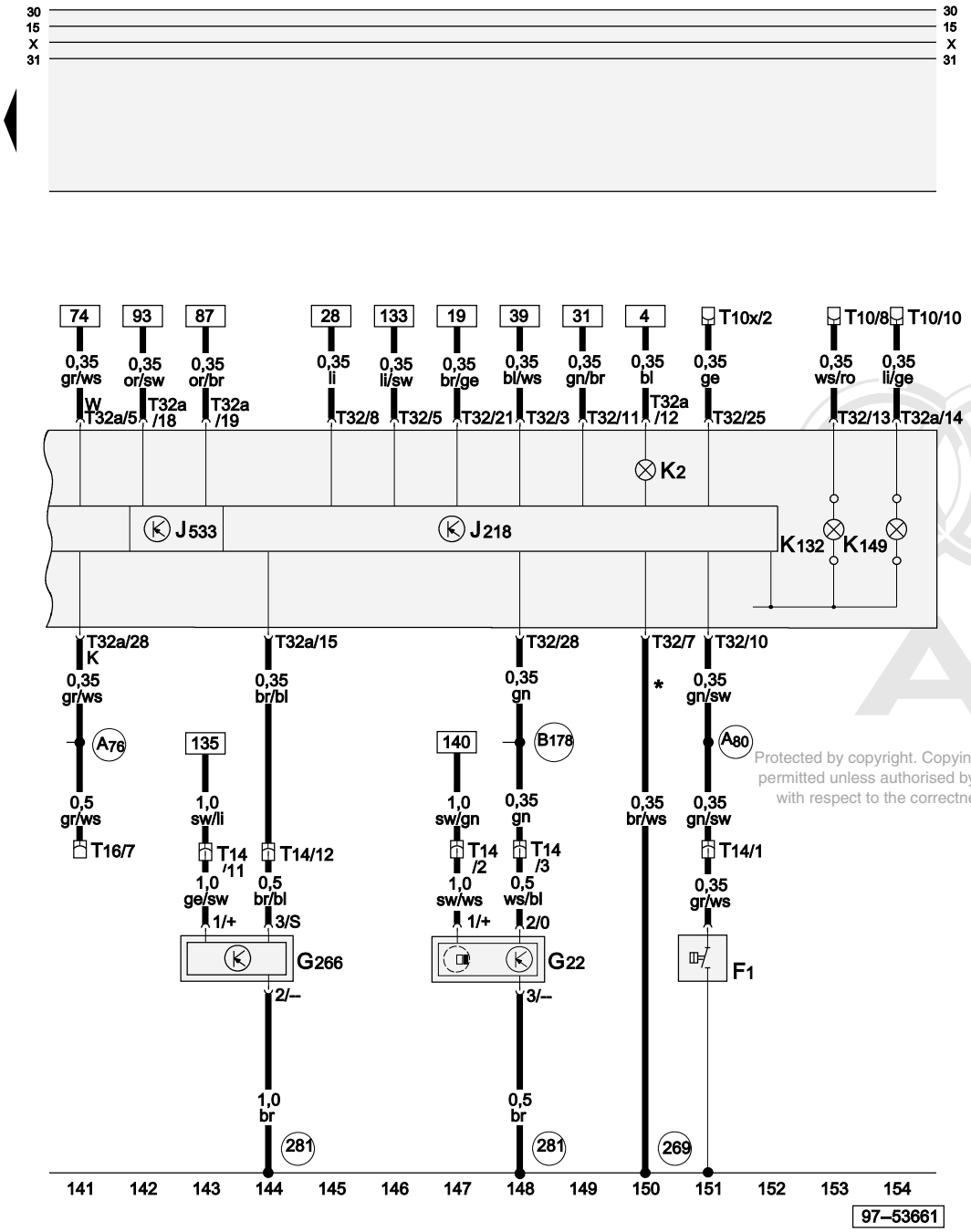


ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, fuel gauge sender, fuel pump

D	Ignition/starter switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
S5	Fuse in fuse box/relay plate
S6	Fuse in fuse box/relay plate
S7	Fuse in fuse box/relay plate
S11	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S229	Fuse in fuse box
S231	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
269	Earth connection (sender earth) -1-, in dash panel wiring harness
277	Earth connection -3-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
*	Only models with automatic gearbox

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Dash panel insert, oil pressure switch, speedometer sender (Hall sender, on gearbox) oil level/oil temperature sender

F1	Oil pressure switch
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level/oil temperature sender
J218	Combi-processor in dash panel insert
J533	Data bus diagnostic interface
K2	Alternator warning lamp
K149	Engine electronics warning lamp
K132	Electronic power control fault lamp
T10	10-pin connector, white, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
B178	Connection (speed signal), in interior wiring harness

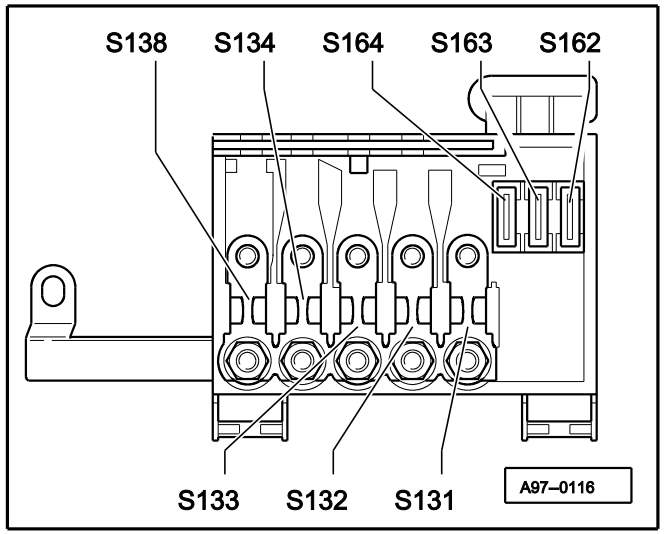
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or	=	orange
rs	=	pink

1.8 litre fuel injection engine (Motronic), 92 kW, 4-cylinder, engine code APG

From model year 2002

Main fuse box/battery

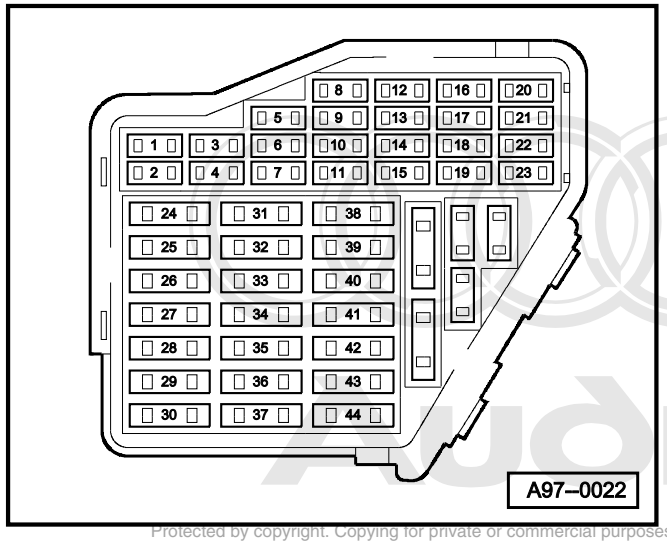


- On battery, in engine compartment, front left

Position of fuses
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - Fuse -1- (30), in fuse box/battery
S163 - Fuse -2- (30), in fuse box/battery
S164 - Fuse -3- (30), in fuse box/battery

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Fuse box



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- Dash panel, driver's side

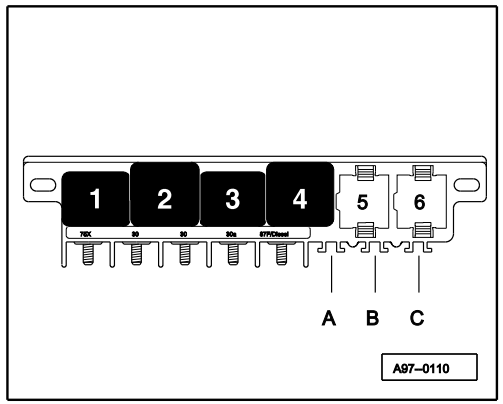
Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

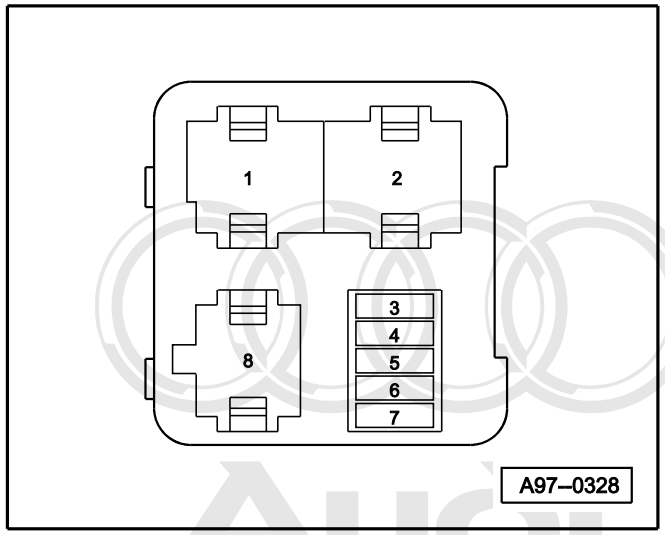
Micro-central electrics



- Under driver's storage compartment

4 - Fuel pump relay (J17)

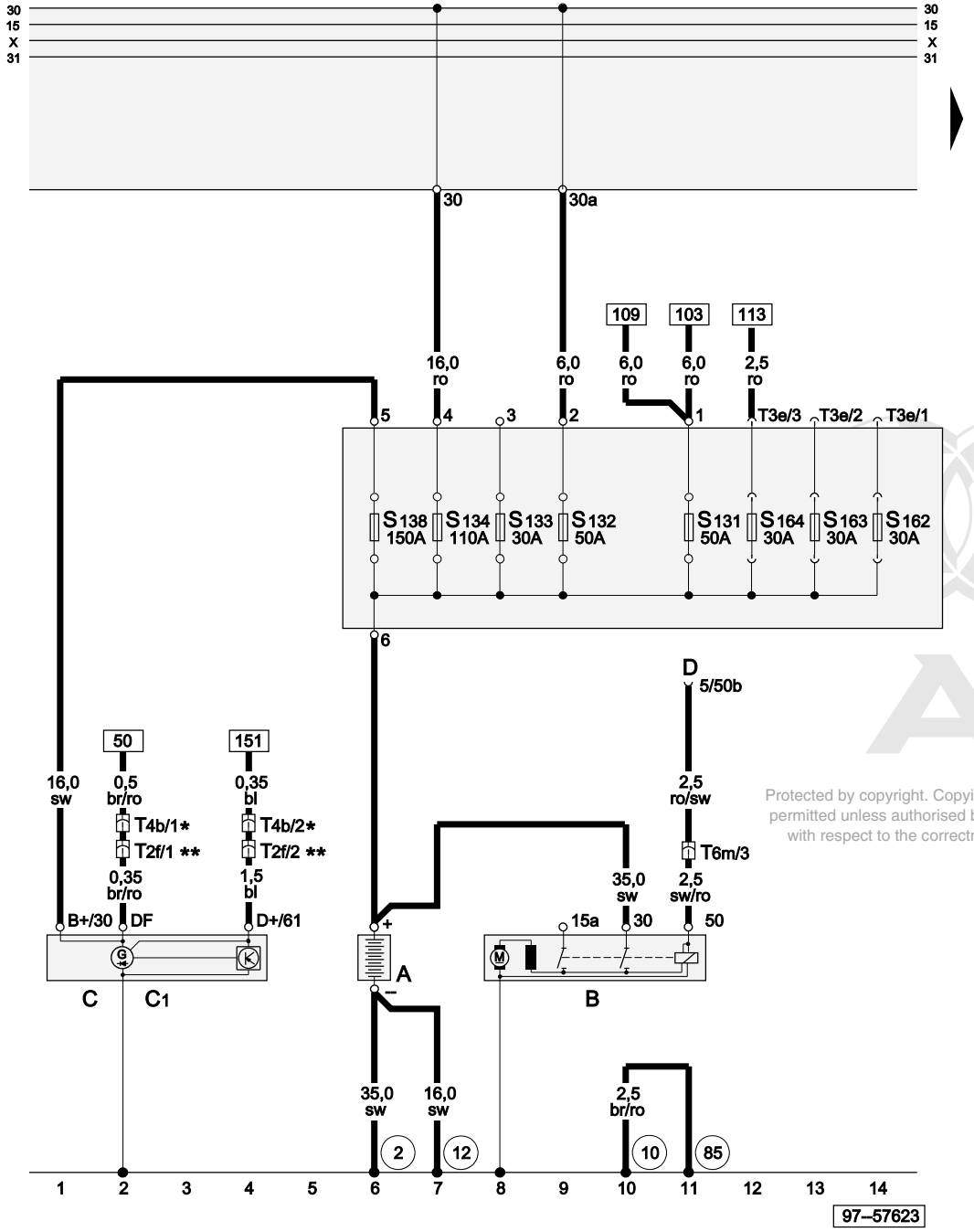
3-point relay carrier/fuse box



- In engine compartment, front left, in plenum chamber, near brake master cylinder

1 - Secondary air pump relay (J299)
2 - Motronic current supply relay (J271)
3 - Brake vacuum pump fuse (S283)

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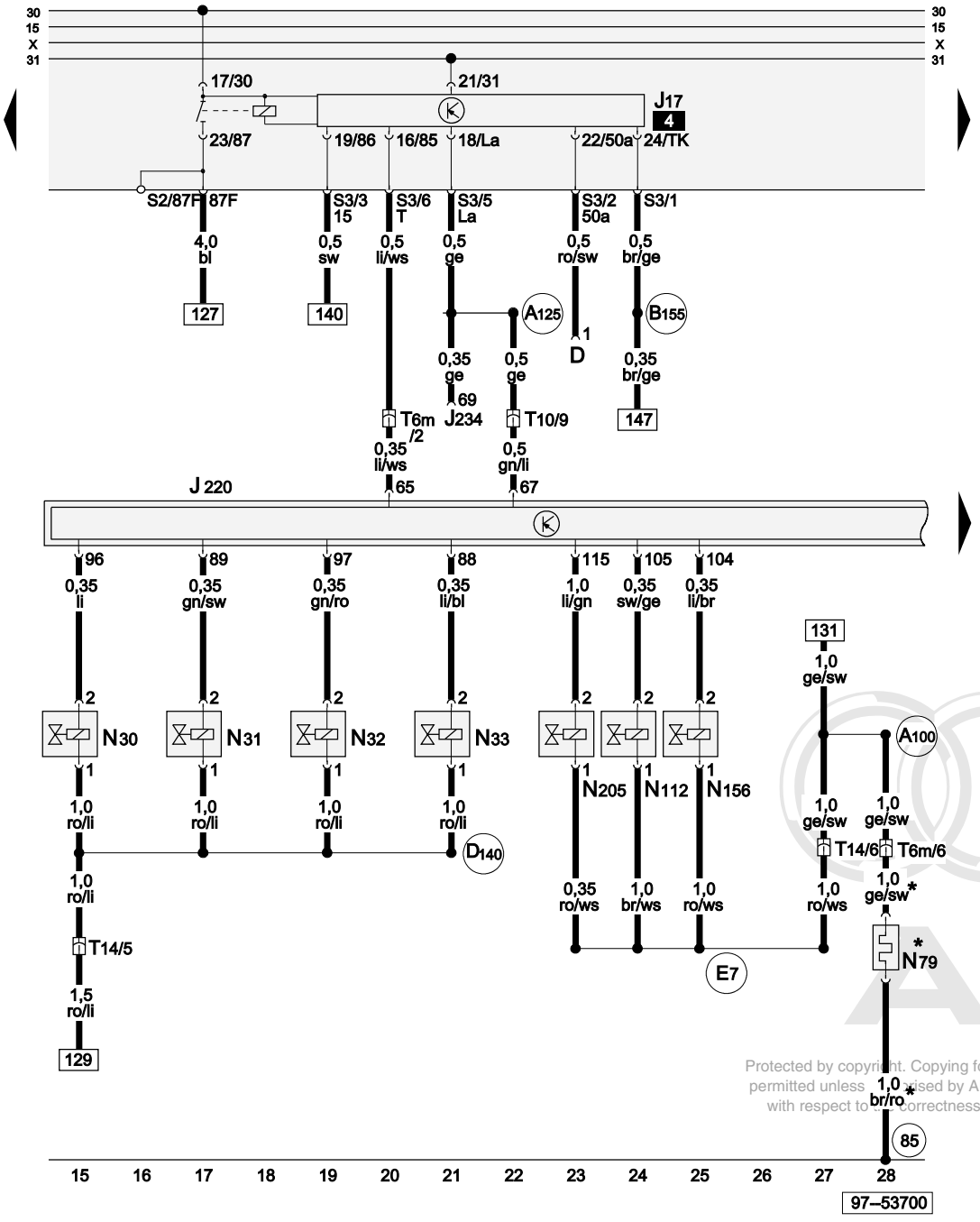


Battery, starter, alternator, ignition/starter switch, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1 in fuse box/battery
S132	Fuse 2 in fuse box/battery
S133	Fuse 3 in fuse box/battery
S134	Fuse 4 in fuse box/battery
S138	Fuse 5 in fuse box/battery
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
*	Only applies to models with air conditioner
**	Only applies to models without air conditioner

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ro	=	red
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gn	=	green
bl	=	blue
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li	=	purple
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or	=	orange
rs	=	pink

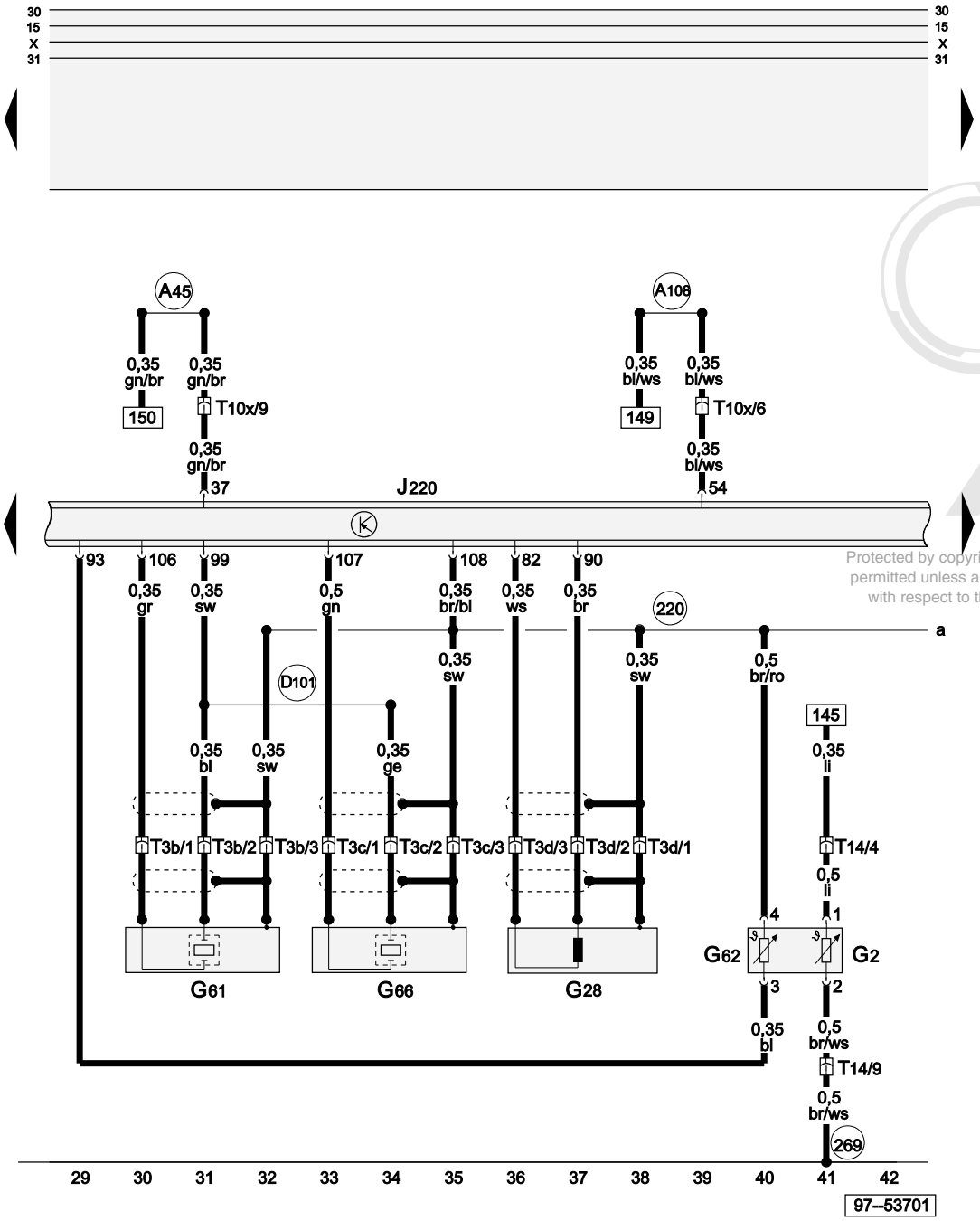


Motronic control unit, fuel pump relay, injectors, solenoid valves

D	Ignition/starter switch
J17	Fuel pump relay
J220	Motronic control unit
J234	Airbag control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N79	Heater element (crankcase breather)
N112	Secondary air inlet valve
N156	Intake manifold change-over valve
N205	Inlet camshaft timing adjustment valve -1-
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
A100	Connection -2- (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B155	Connection -2- (TK (door contact)), in interior wiring harness
D140	Connection (injectors), in engine prewiring wiring harness
E7	Positive (+) connection (87a), in Motronic wiring harness
*	Only applies to models with heater element (crankcase breather)

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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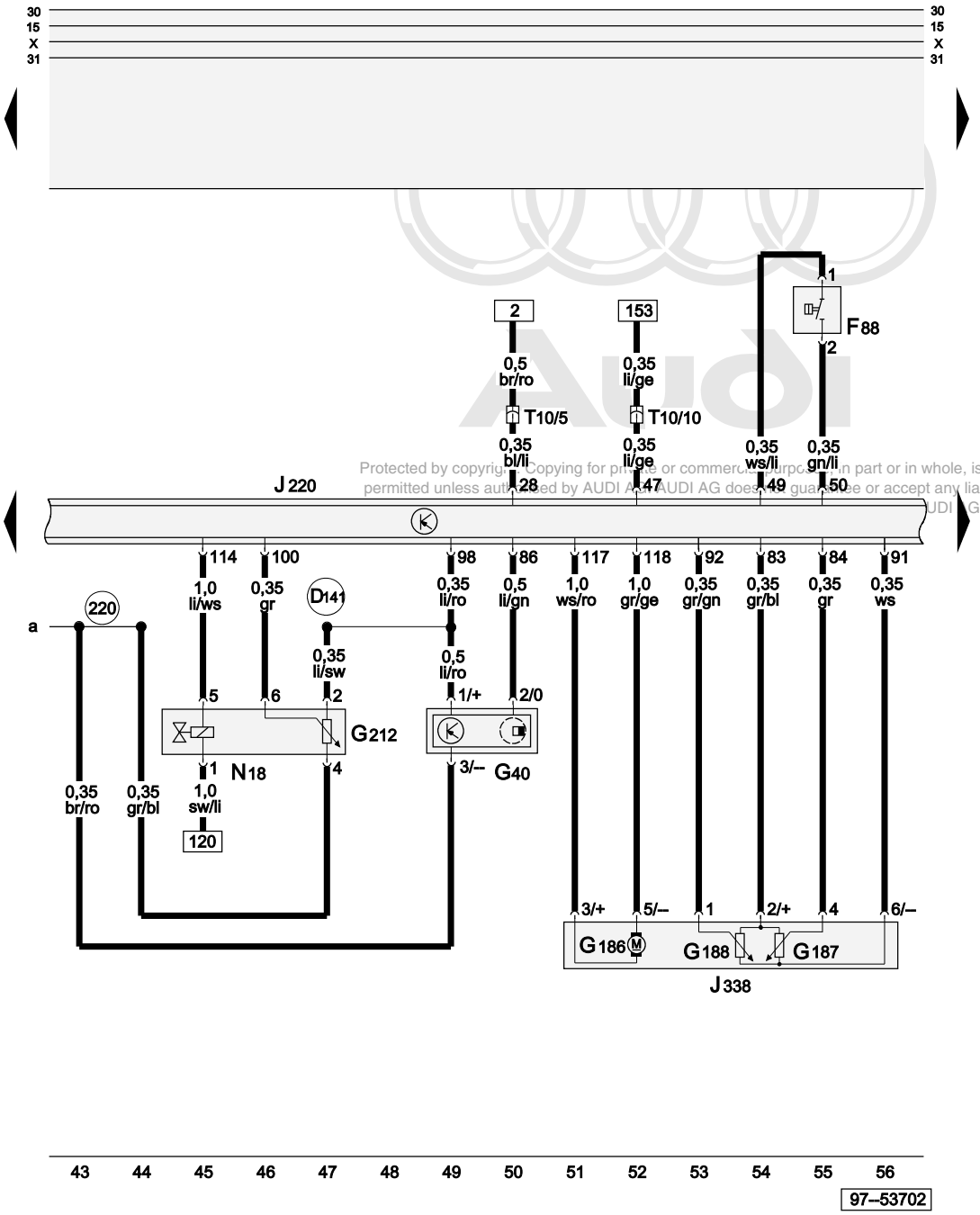


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor I
G62	Coolant temperature sender
G66	Knock sensor II
J220	Motronic control unit
T3b	3-pin connector, blue, knock sensor I, in engine compartment
T3c	3-pin connector, grey, knock sensor II, in engine compartment
T3d	3-pin connector, white, engine speed sender, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D101	Connection -1-, in engine compartment wiring harness

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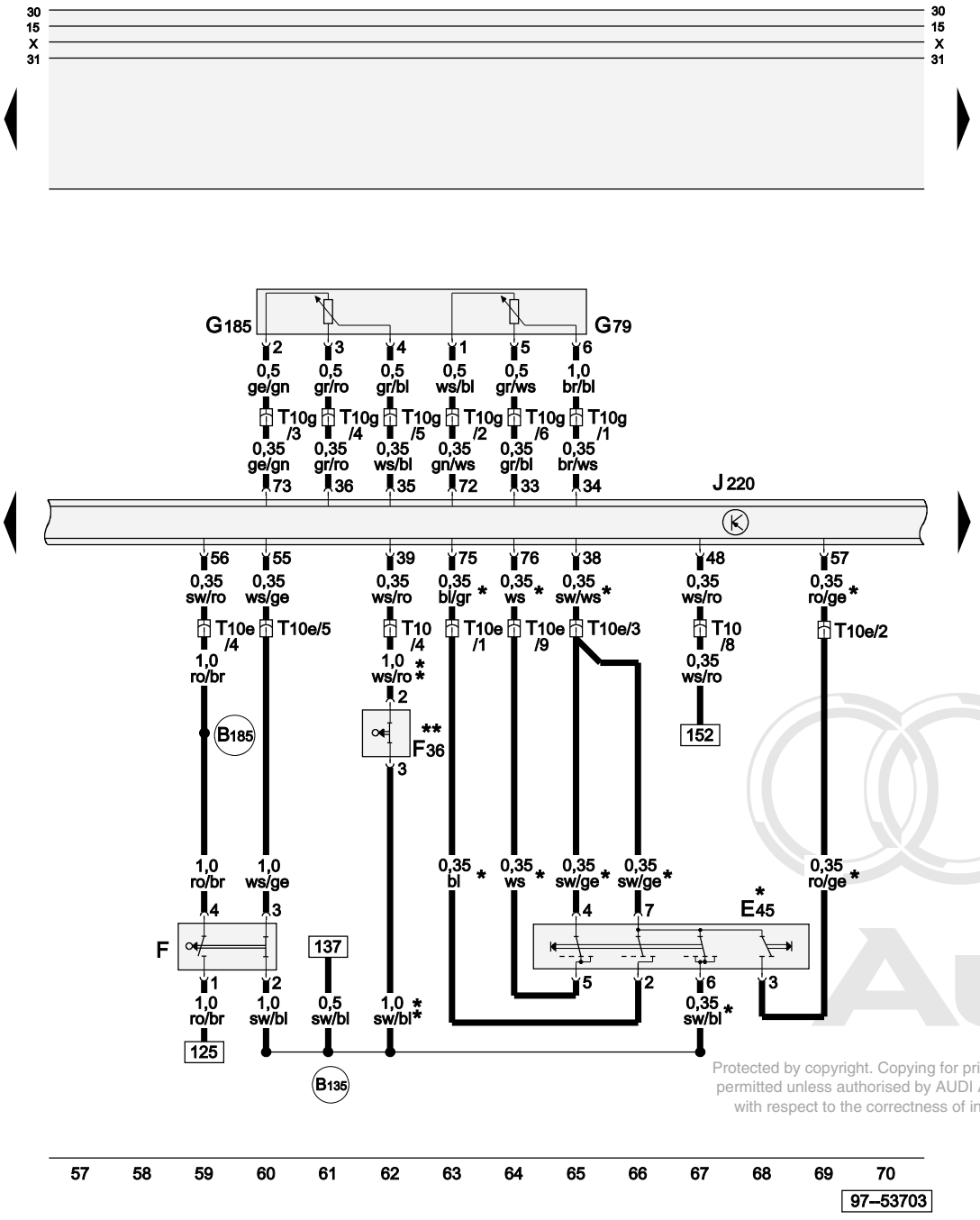


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Motronic control unit, throttle valve control unit, power assisted steering pressure switch, Hall sender, exhaust gas recirculation valve

F88	Power assisted steering pressure switch
G40	Hall sender
G186	Throttle valve drive (electric throttle operation)
G187	Throttle valve drive angle sender -1- (electric throttle operation)
G188	Throttle valve drive angle sender -2- (electric throttle operation)
G212	Exhaust gas recirculation potentiometer
J220	Motronic control unit
J338	Throttle valve control unit
N18	Exhaust gas recirculation valve
T10	10-pin connector, white, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
D141	Connection (5V), in engine prewiring wiring harness

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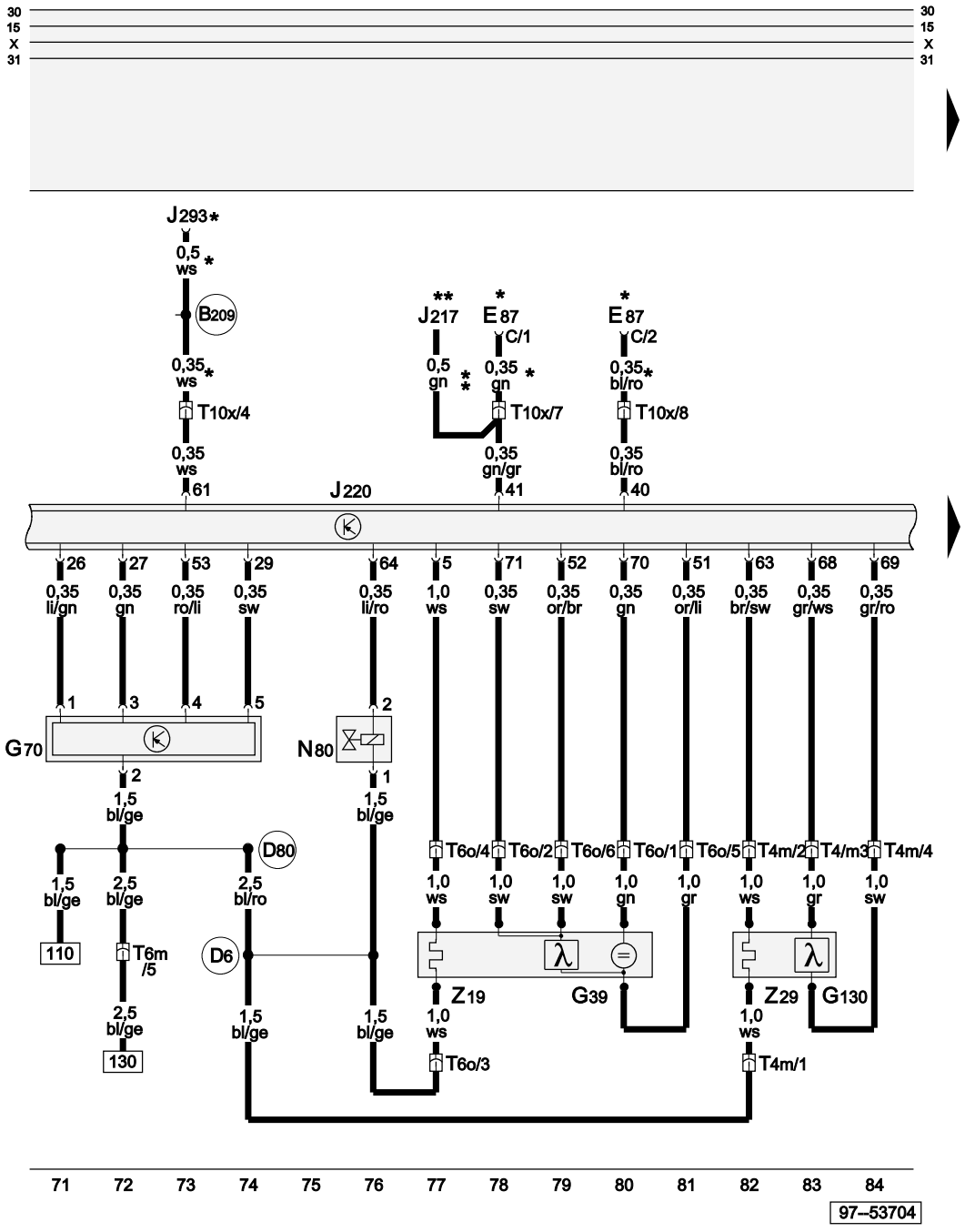


Motronic control unit, accelerator pedal position senders, brake light switch, clutch pedal switch, cruise control system switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J220	Motronic control unit
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox

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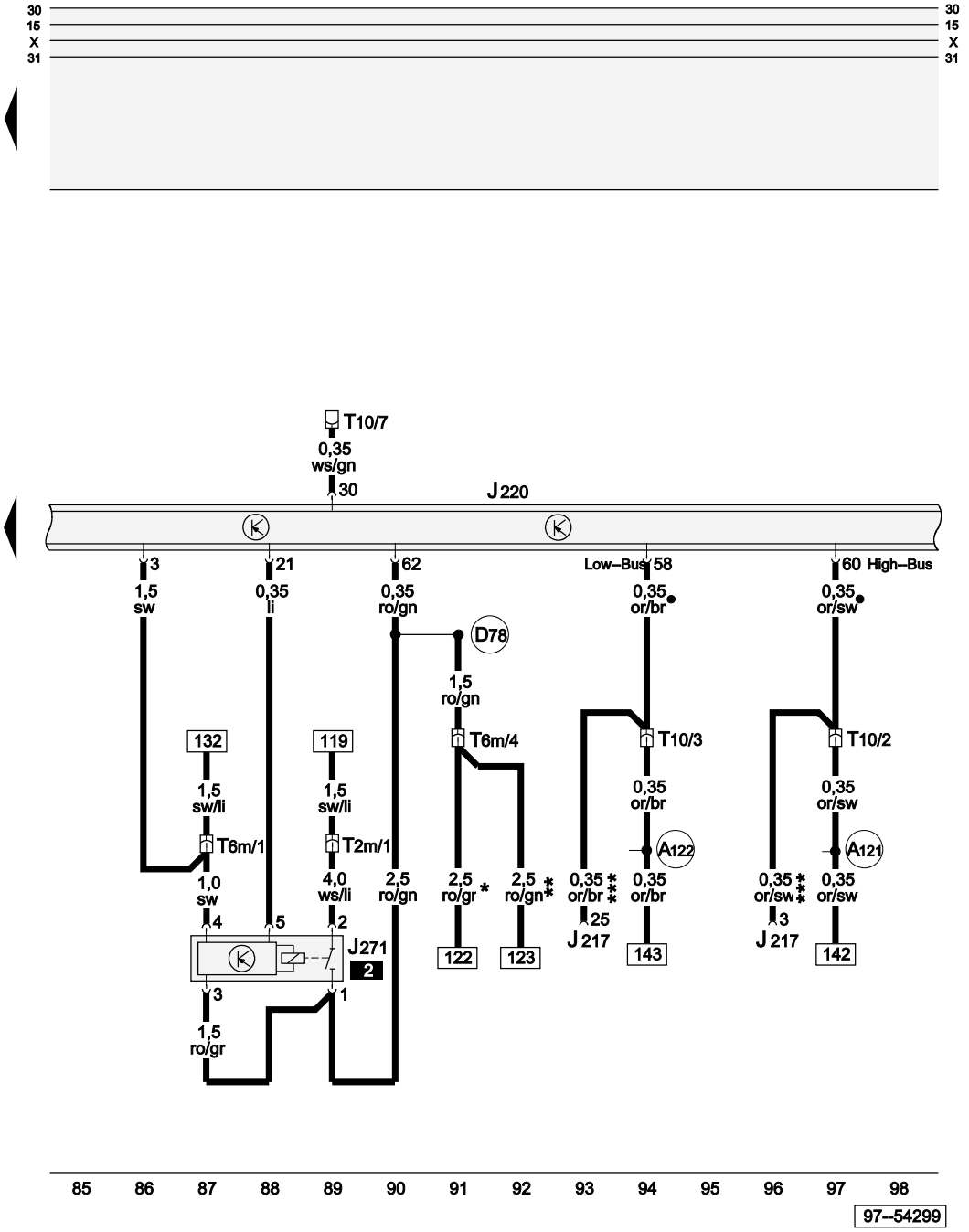


ws = white
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br = brown
gn = green
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Motronic control unit, air mass meter, activated charcoal filter system solenoid valve 1, lambda probes

E87	Control and display unit for air conditioner/Climatronic
G39	Lambda probe
G70	Air mass meter
G130	Lambda probe downstream of catalytic converter
J217	Automatic gearbox control unit
J220	Motronic control unit
J293	Radiator fan control unit
N80	Activated charcoal filter system solenoid valve 1 (pulsed)
T4m	4-pin connector, lambda probe, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T6o	6-pin connector, lambda probe, in engine compartment, right
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
B209	Connection (Climatronic sender), in interior wiring harness
D6	Connection (lambda), in front right wiring harness
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
*	Only models with air conditioner
**	Only models with automatic gearbox

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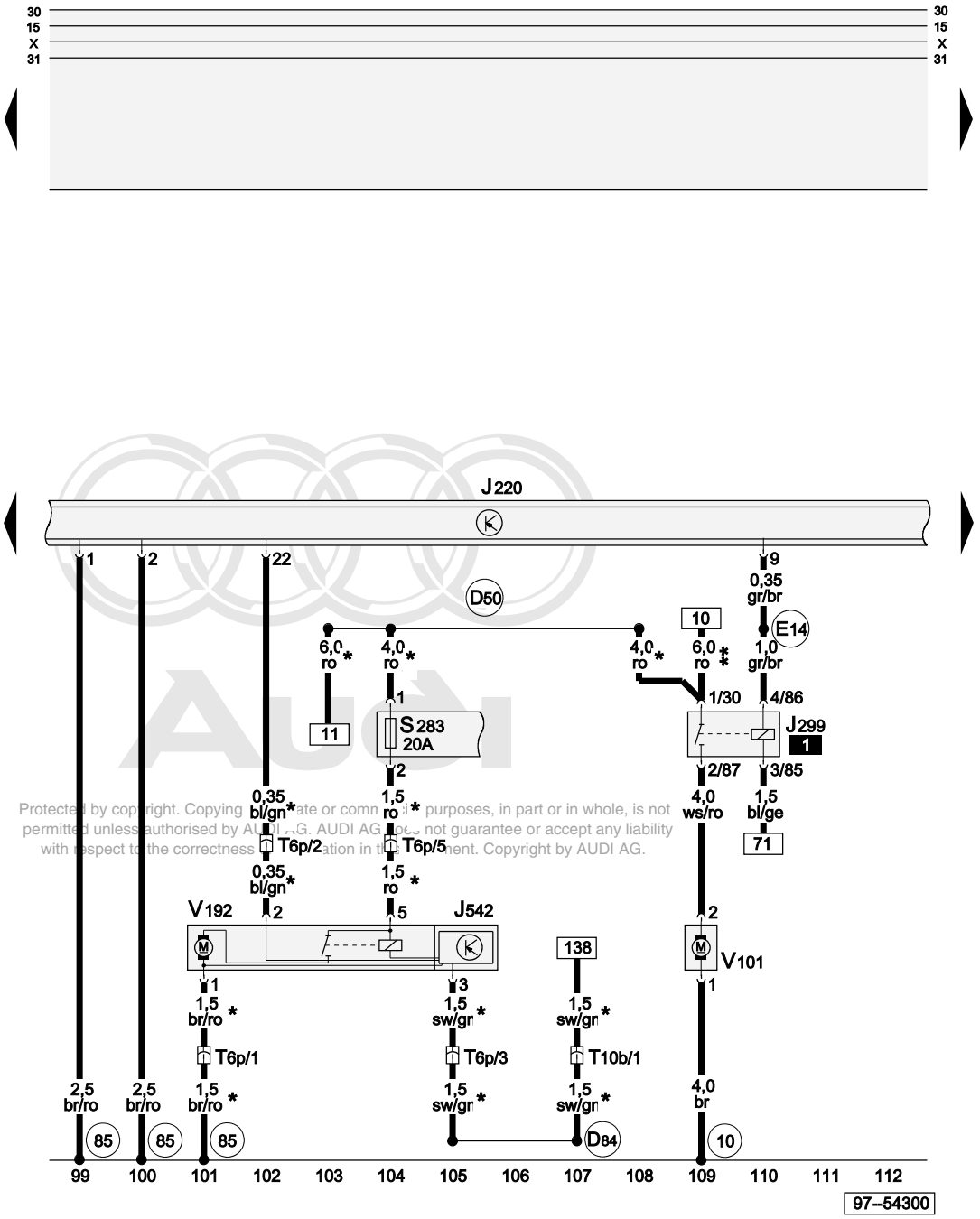


Motronic control unit, Motronic current supply relay

J217	Automatic gearbox control unit
J220	Motronic control unit
J271	Motronic current supply relay
T2m	2-pin connector, engine prewiring, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
*	As of November 2001 no longer fitted
**	From November 2001 onwards
***	Only models with automatic gearbox
•	CAN bus (data bus)

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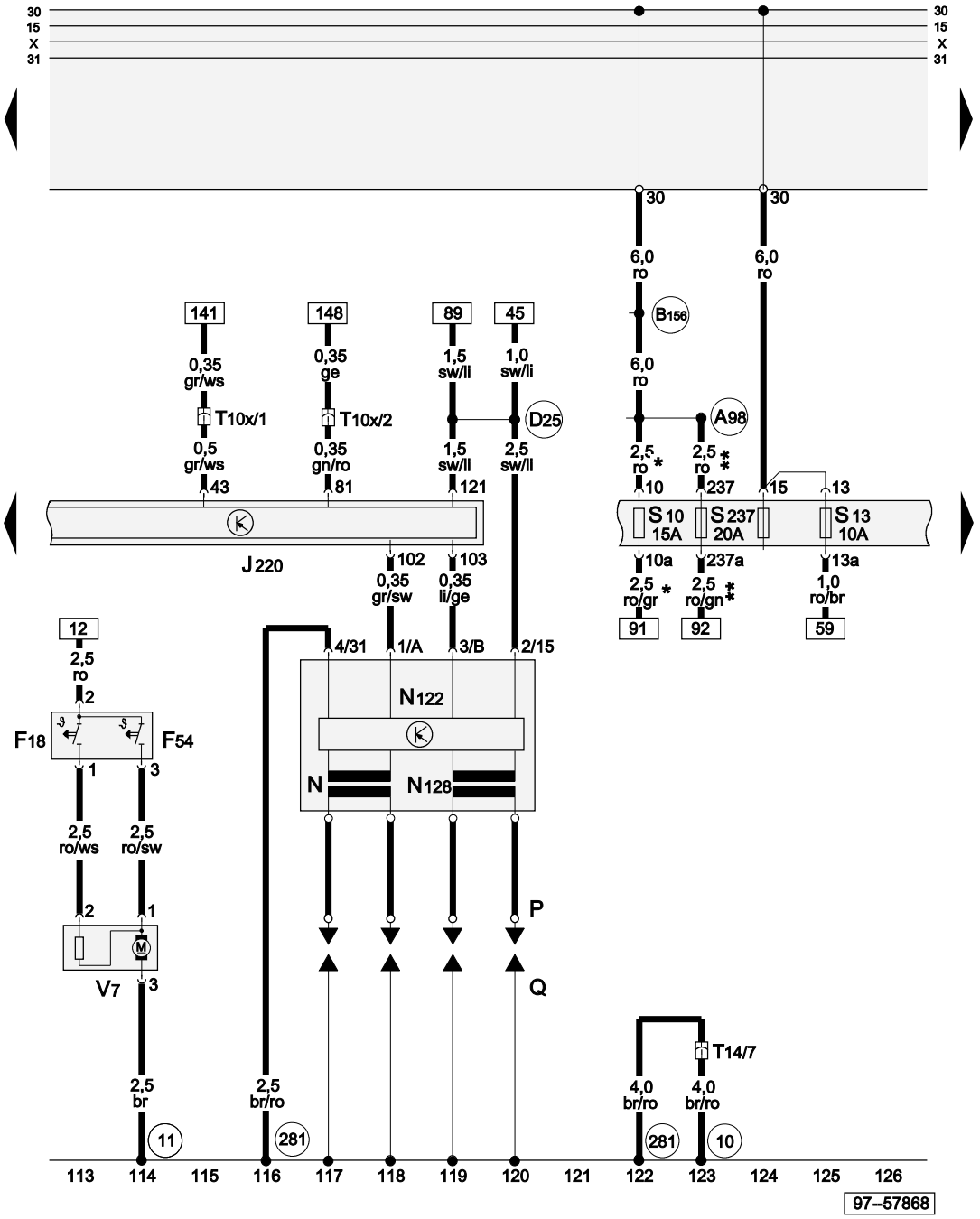


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Motronic control unit, brake servo control unit, vacuum pump for brakes, secondary air pump motor, secondary air pump relay

J220	Motronic control unit
J299	Secondary air pump relay
J542	Brake servo control unit
S283	Brake vacuum pump fuse
T6p	6-pin connector, in engine compartment, left
T10b	10-pin connector, grey, in plenum chamber
V101	Secondary air pump motor
V192	Vacuum pump for brakes
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
D50	Positive (+) connection (30), in engine compartment wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
E14	Connection -1-, in Motronic wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox

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Motronic control unit, ignition coils, fuses

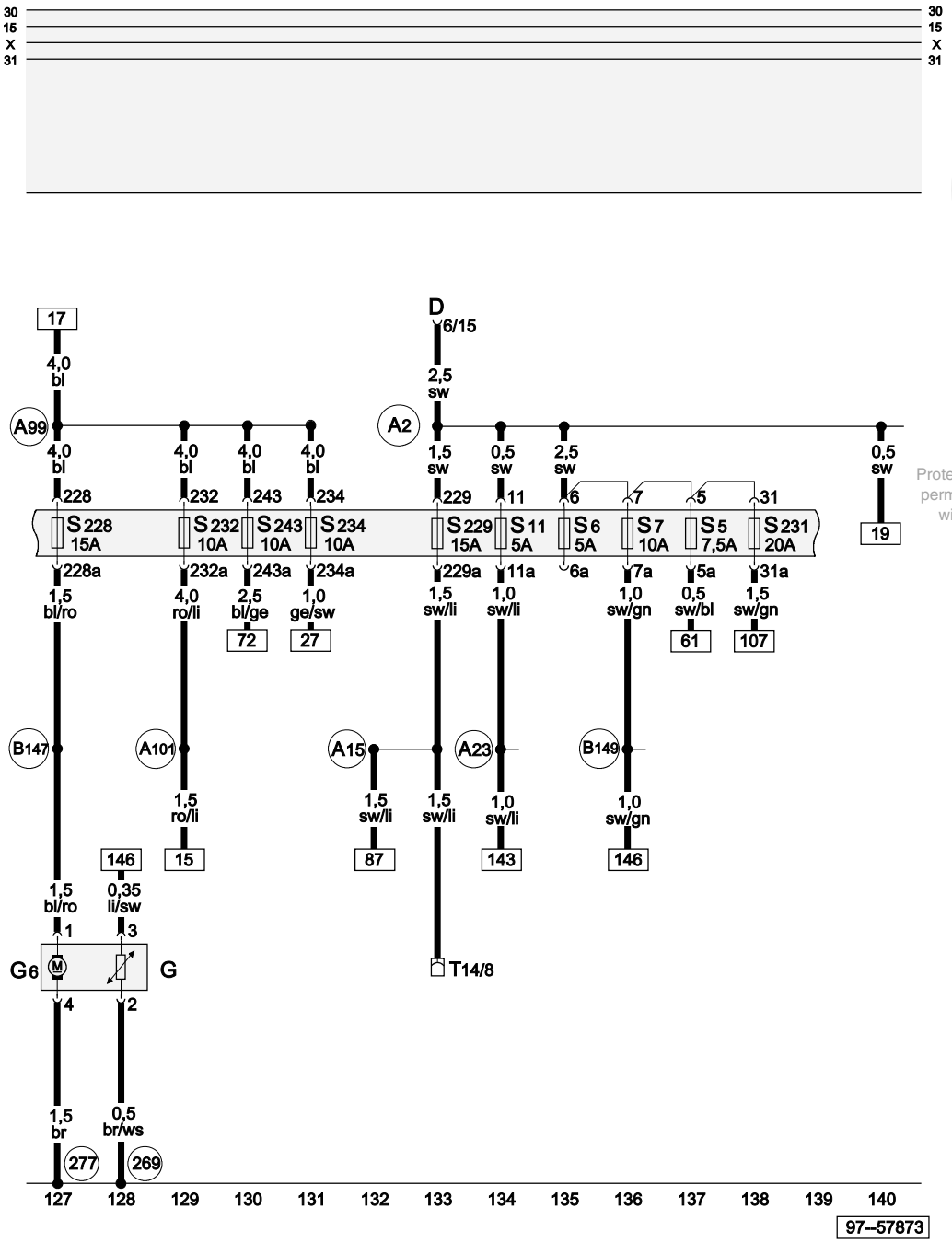
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J220	Motronic control unit
N	Ignition coil
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
S10	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S237	Fuse in fuse box
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
V7	Radiator fan

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10	Earth point, in plenum chamber
11	Earth point, in battery box
281	Earth connection -1-, in engine wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
D25	Positive (+) connection (15), in engine wiring harness

* As of November 2001 no longer fitted
** From November 2001 onwards

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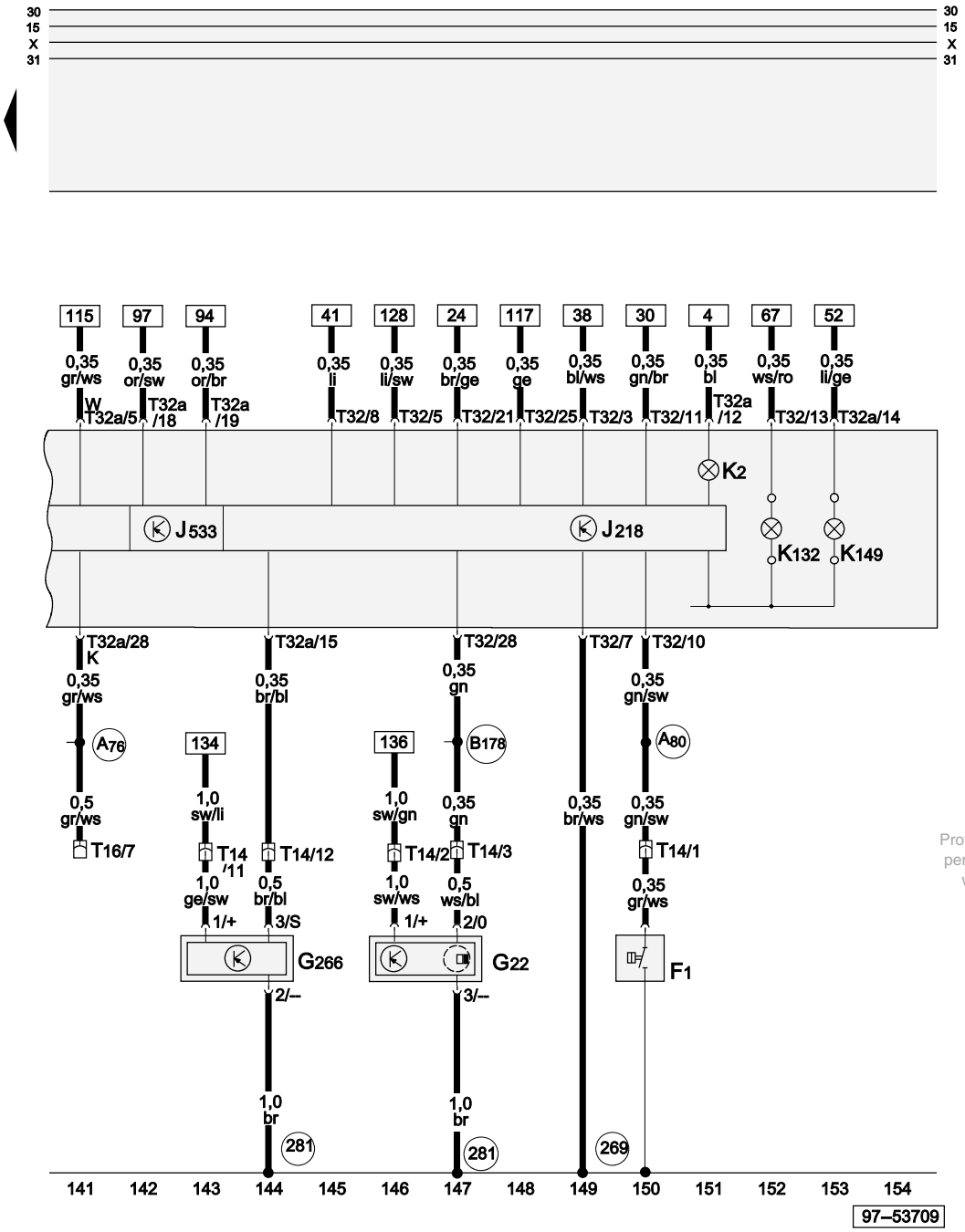


Fuses, fuel pump

D	Ignition/starter switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
S5	Fuse in fuse box/relay plate
S6	Fuse in fuse box/relay plate
S7	Fuse in fuse box/relay plate
S11	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S229	Fuse in fuse box
S231	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
T14	14-pin connector, in engine compartment, left
269	Earth connection (sender earth) -1-, in dash panel wiring harness
277	Earth connection -3-, in interior wiring harnes s
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness

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Dash panel insert, oil pressure switch, oil level/oil temperature sender, speedometer sender

F1	Oil pressure switch
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level/oil temperature sender
J218	Combi-processor in dash panel insert
J533	Data bus diagnostic interface
K2	Alternator warning lamp
K132	Electronic power control fault lamp
K149	Engine electronics warning lamp
T14	14-pin connector, in engine compartment, left
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
281	Earth connection -1-, in engine wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
B178	Connection (speed signal), in interior wiring harness

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1.8 litre fuel injection engine (Motronic), 154 kW, 4-cylinder, engine code AMK
From model year 2002

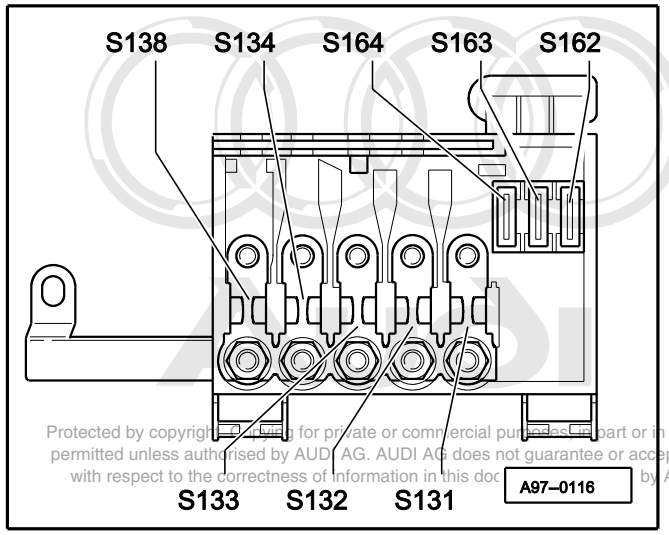
1.8 litre fuel injection engine (Motronic), 132 kW, 4-cylinder, engine codes ARY, AUQ
From model year 2002

1.8 litre fuel injection engine (Motronic), 110 kW, 4-cylinder, engine codes ARX, AUM
From model year 2002

1.8 litre fuel injection engine (Motronic), 110 kW, 4-cylinder, engine codes ARX, From model year 2002
From model year 2002

1.8 litre fuel injection engine (Motronic), 132 kW, 4-cylinder, engine codes ARY, From model year 2002
From model year 2002

Main fuse box/battery



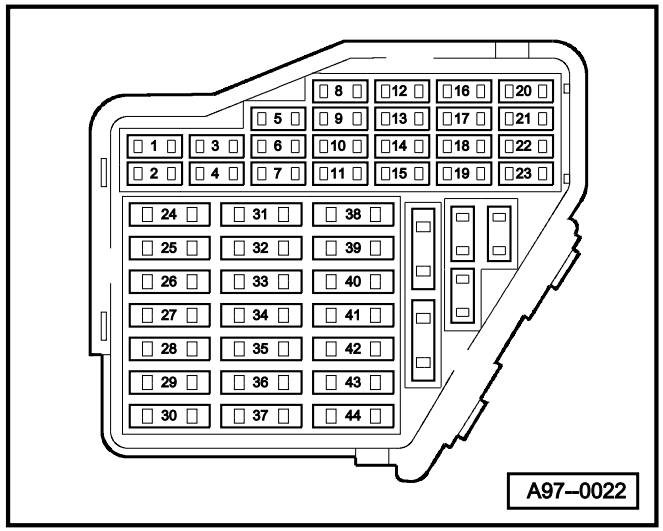
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♦ On battery, in engine compartment, front left

Position of fuses
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4

S138 - Fuse 5
S162 - Fuse -1- (30), in fuse box/battery
S163 - Fuse -2- (30), in fuse box/battery
S164 - Fuse -3- (30), in fuse box/battery

Fuse box



♦ Dash panel, driver's side

Fuse colours

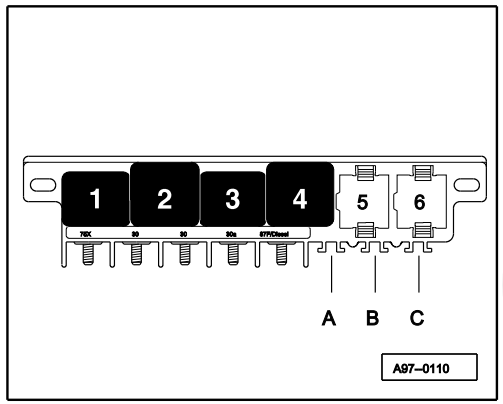
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

♦ *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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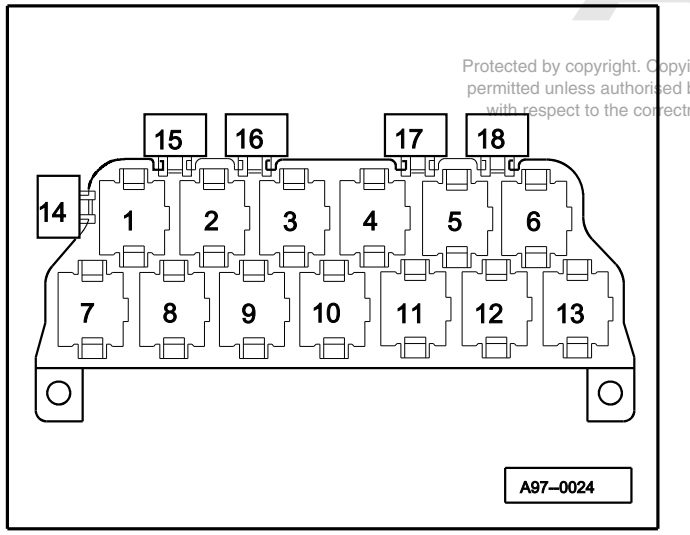
Micro-central electrics



◆ Under driver's storage compartment

4 - Fuel pump relay (J17)

13-point relay carrier



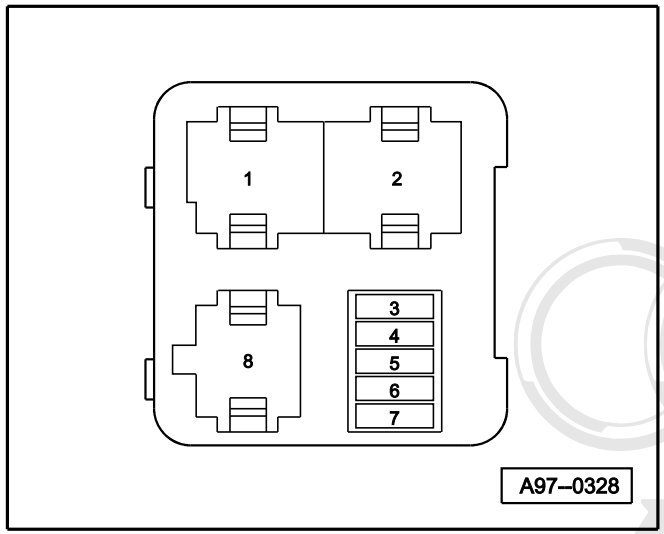
◆ Above micro-central electrics, under driver's storage compartment

11 - Starter inhibitor and reversing light relay (J226)

13 - Coolant pump control unit (J155)

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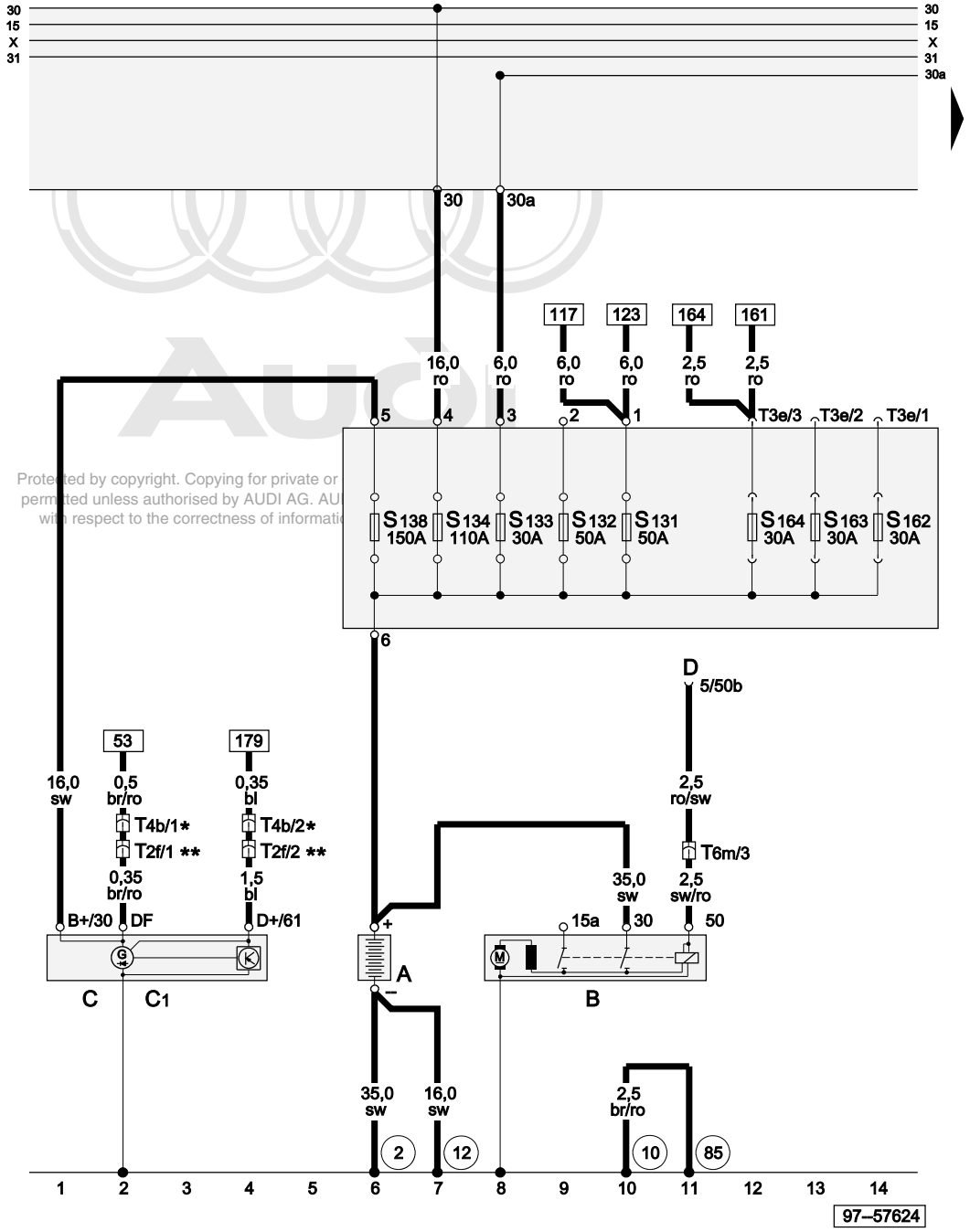
3-point relay carrier/fuse box



♦ In engine compartment, front left, in plenum chamber, near brake master cylinder

1 - Secondary air pump relay (J299)
2 - Motronic current supply relay (J271)
3 - Brake vacuum pump fuse (S283)

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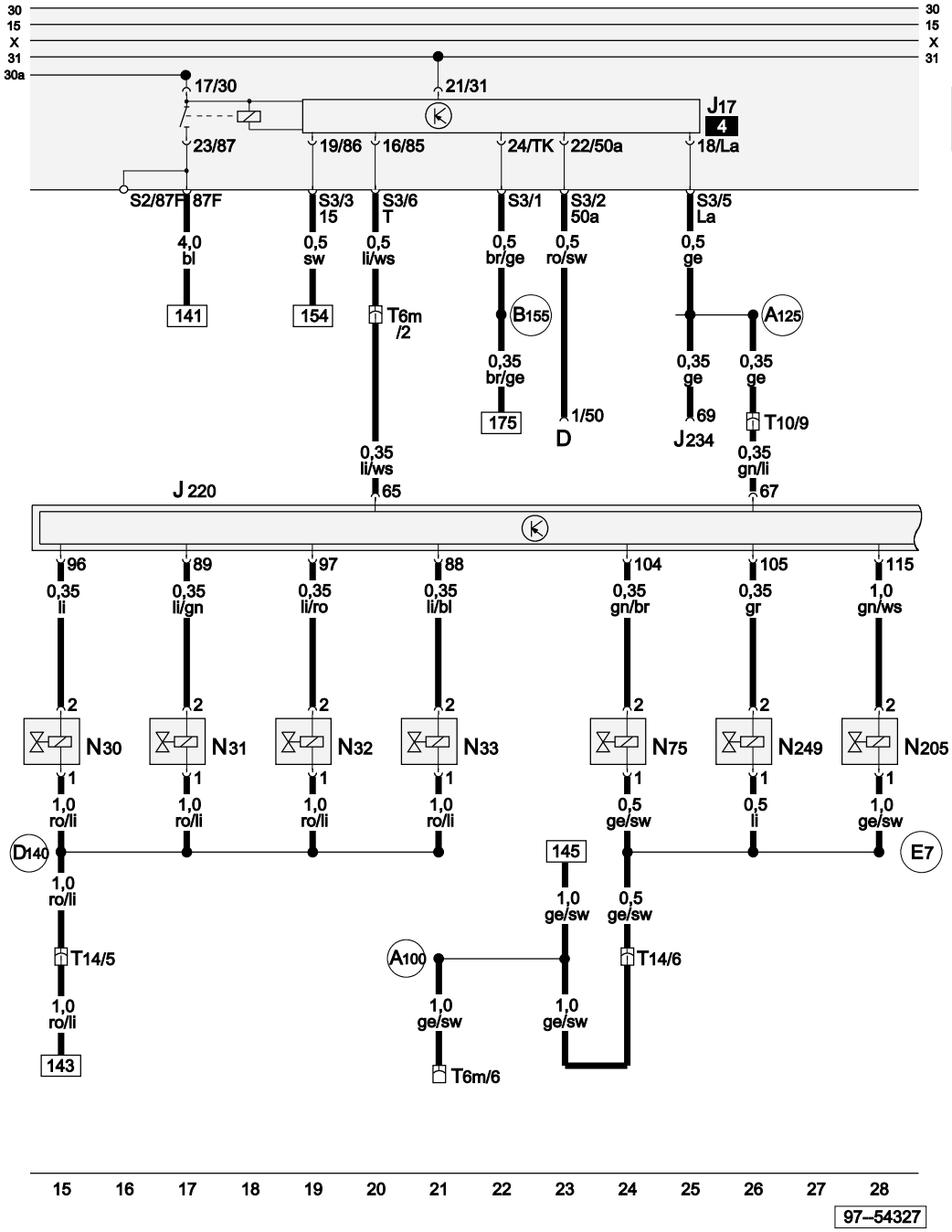


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bl = blue
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Battery, starter, alternator, ignition/starter switch, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1 in fuse box/battery
S132	Fuse 2 in fuse box/battery
S133	Fuse 3 in fuse box/battery
S134	Fuse 4 in fuse box/battery
S138	Fuse 5 in fuse box/battery
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
85	Earth connection -1-, in engine compartment wiring harness
*	Only applies to models with air conditioner
**	Only applies to models without air conditioner

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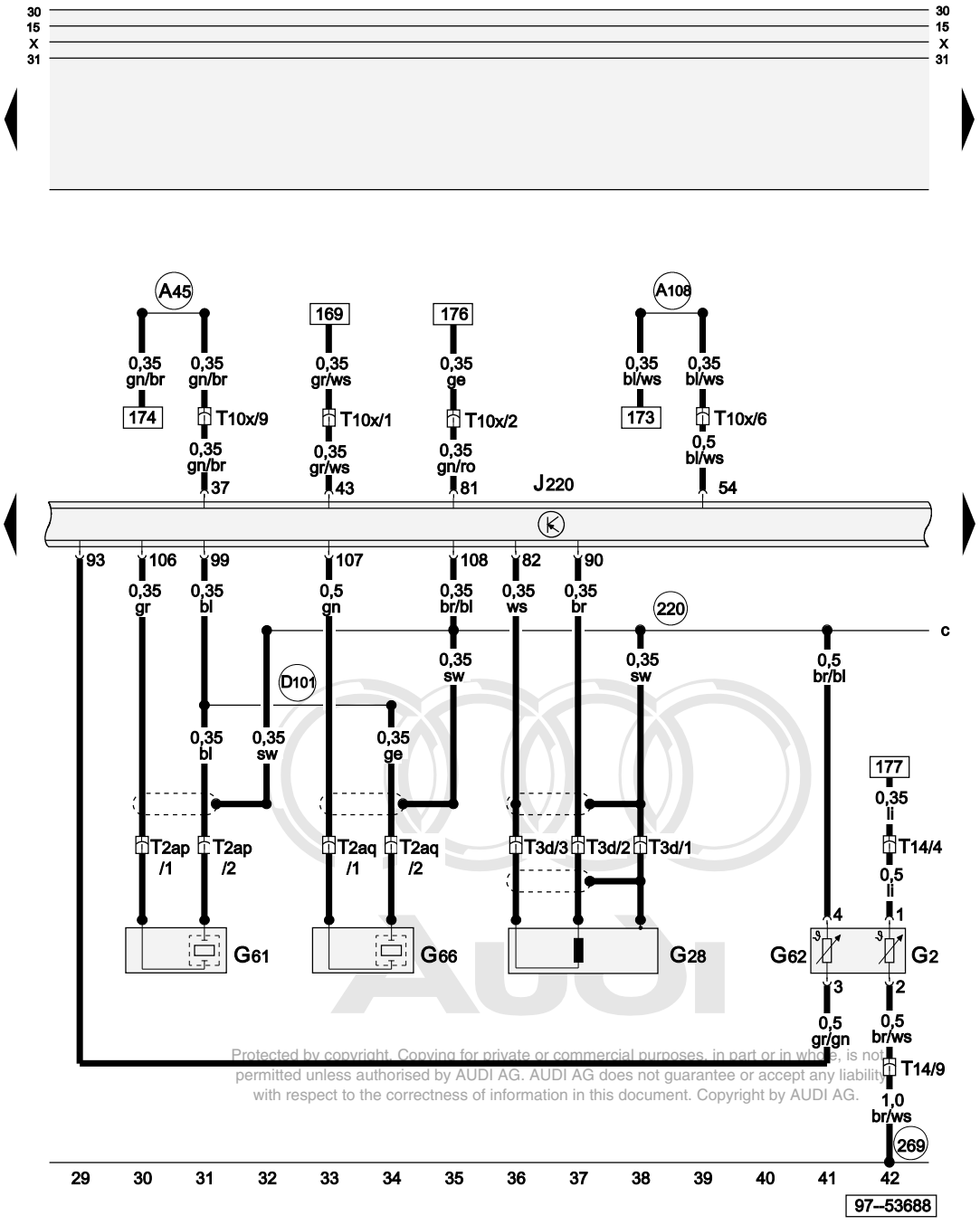


Motronic control unit, fuel pump relay, injectors, solenoid valves

D	Ignition/starter switch
J17	Fuel pump relay
J220	Motronic control unit
J234	Airbag control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N75	Charge pressure control solenoid valve
N205	Inlet camshaft timing adjustment valve -1-
N249	Turbocharger divert air valve
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
A100	Connection -2- (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B155	Connection -2- (TK (door contact)), in interior wiring harness
D140	Connection (injectors), in engine prewiring wiring harness
E7	Positive (+) connection (87a), in Motronic wiring harness

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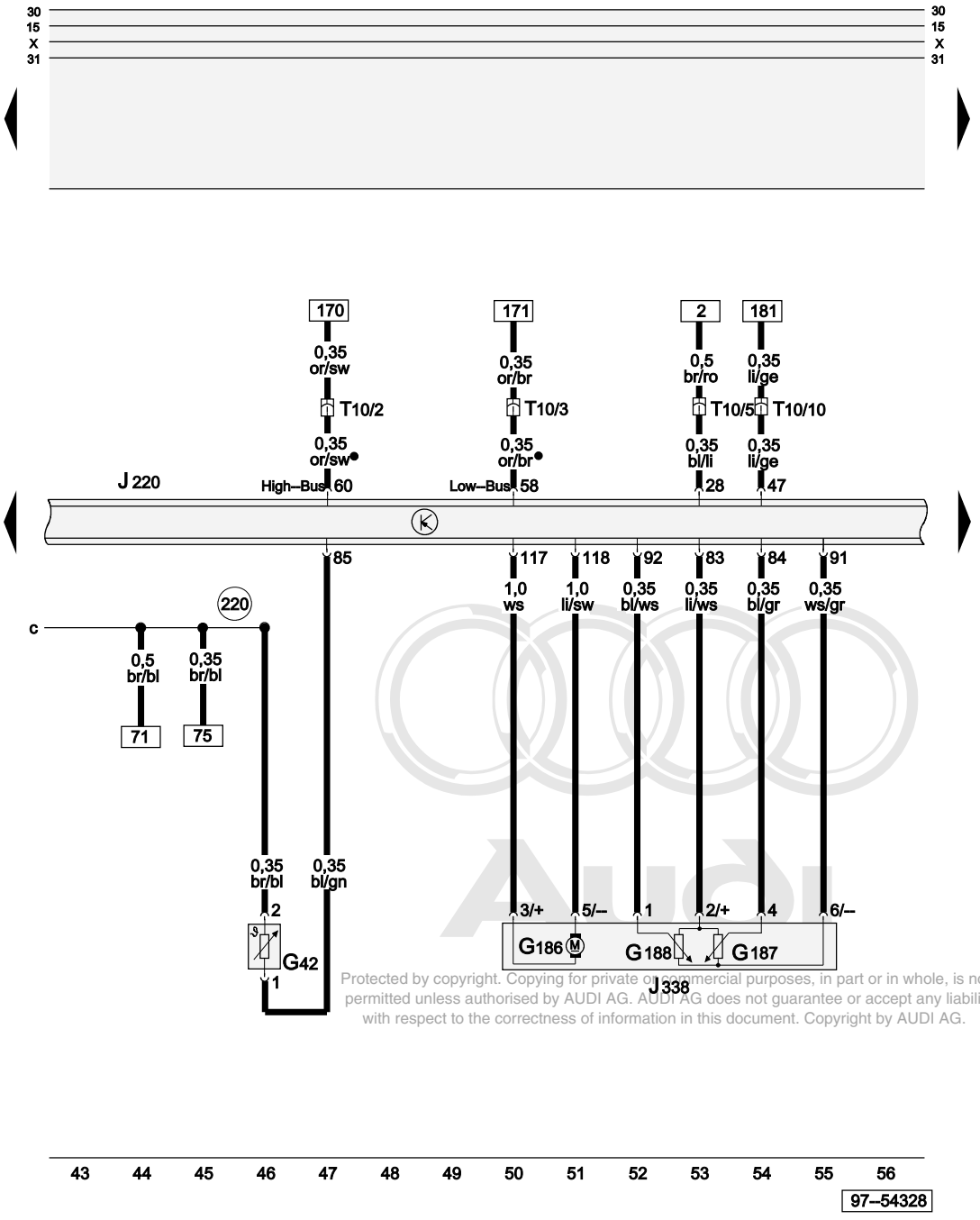


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Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor I
G62	Coolant temperature sender
G66	Knock sensor II
J220	Motronic control unit
T2ap	2-pin connector, knock sensor I, in engine compartment
T2aq	2-pin connector, knock sensor II, in engine compartment
T3d	3-pin connector, white, engine speed sender, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D101	Connection -1-, in engine compartment wiring harness

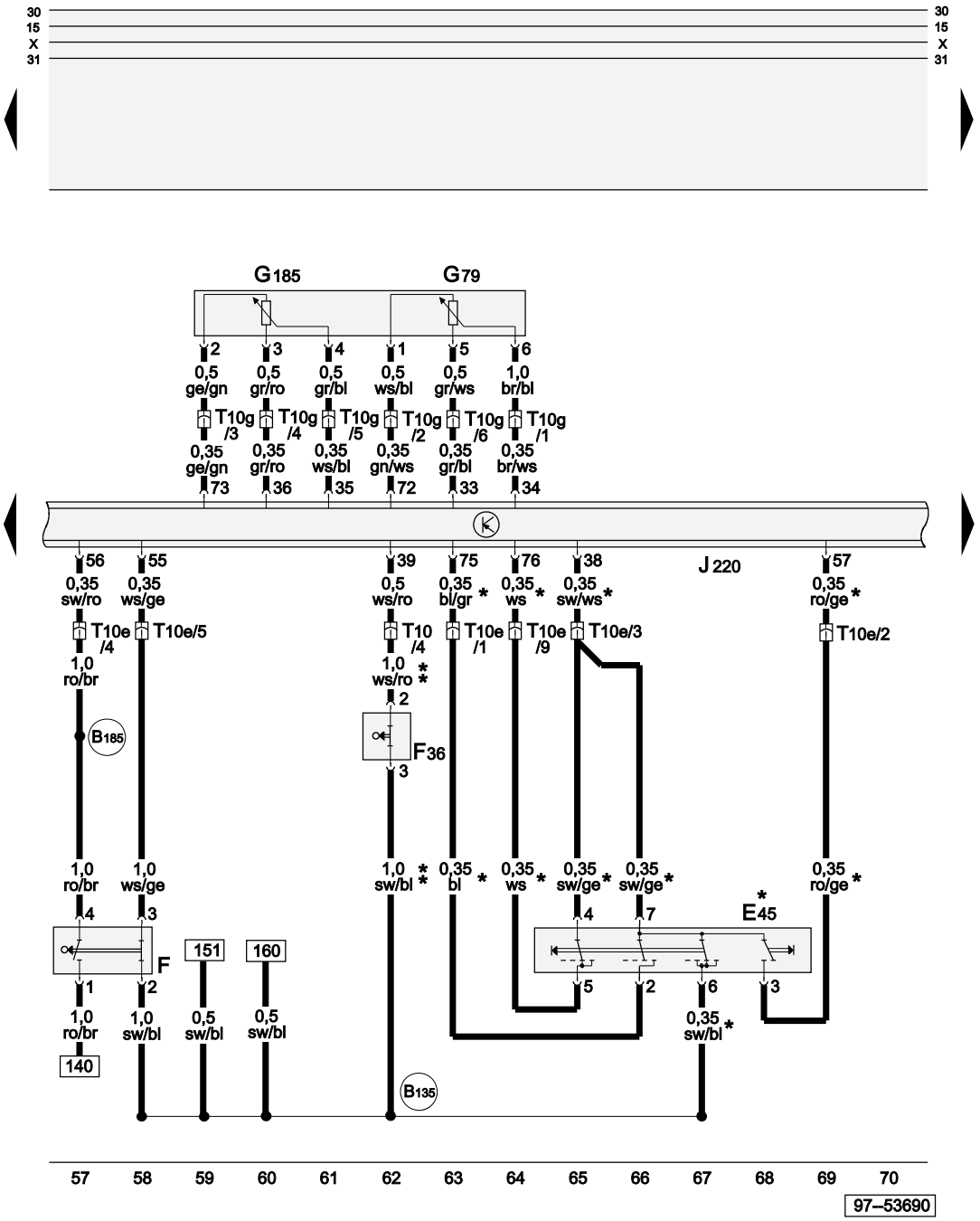


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Motronic control unit, throttle valve control unit, intake air temperature sender

G42	Intake air temperature sender
G186	Throttle valve drive (electric throttle operation)
G187	Throttle valve drive angle sender -1- (electric throttle operation)
G188	Throttle valve drive angle sender -2- (electric throttle operation)
J220	Motronic control unit
J338	Throttle valve control unit
T10	10-pin connector, white, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
•	CAN bus (data wire)

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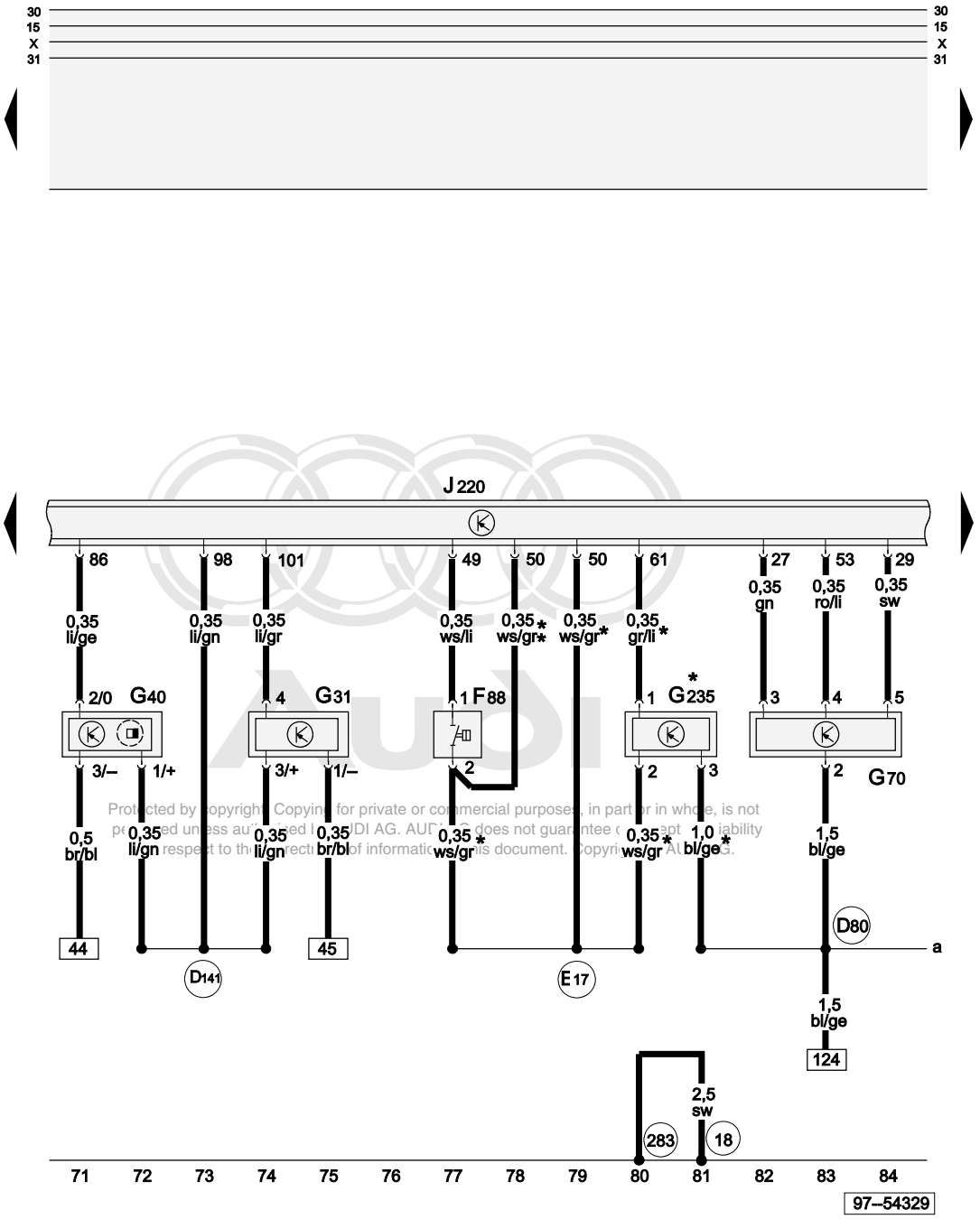


Motronic control unit, accelerator pedal position senders, brake light switch, clutch pedal switch, cruise control system switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J220	Motronic control unit
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox

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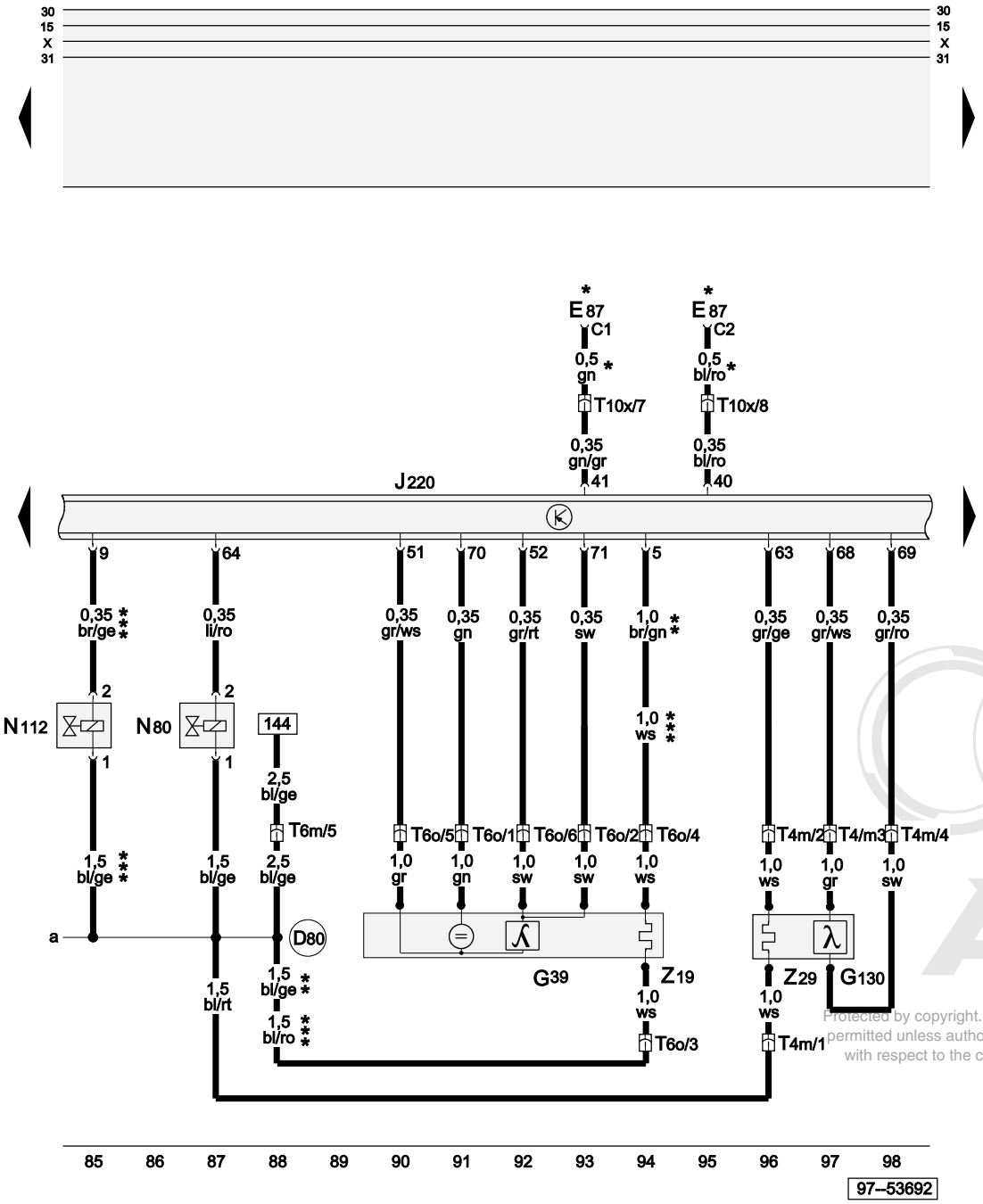


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Motronic control unit, charge air pressure sender, exhaust gas temperature sender -1-, Hall sender, air mass meter

F88	Power assisted steering pressure switch
G31	Charge air pressure sender
G40	Hall sender
G70	Air mass meter
G235	Exhaust gas temperature sender -1-
J220	Motronic control unit
18	Earth point, on cylinder block
283	Earth connection -2-, in engine prewiring wiring harness
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
D141	Connection (5V), in engine prewiring wiring harness
E17	Connection -2-, in Motronic wiring harness
*	Only applies to models with engine code AMK
**	Only applies to models with engine codes AUM, ARX, AUQ, ARY

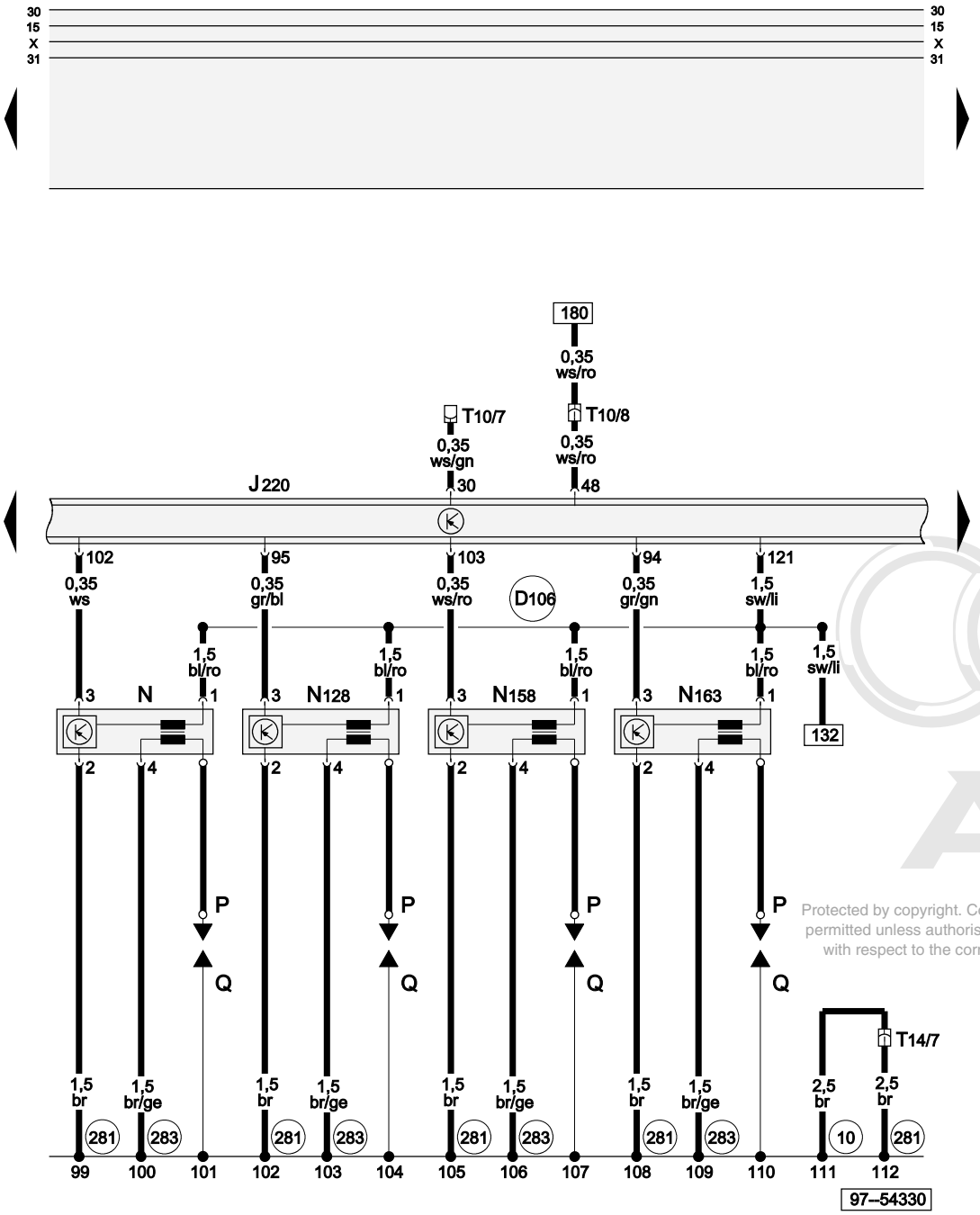


Motronic control unit, lambda probes, solenoid valves

E87	Control and display unit for air conditioner/Climatronic
G39	Lambda probe
G130	Lambda probe downstream of catalytic converter
J220	Motronic control unit
N80	Activated charcoal filter system solenoid valve 1 (pulsed)
N112	Secondary air inlet valve
T4m	4-pin connector, lambda probe, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T6o	6-pin connector, lambda probe, in engine compartment, right
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
D80	Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
*	Only applies to models with air conditioner / Climatronic
**	Only applies to models with engine code AMK
***	Only applies to models with engine codes AUQ, ARY, ARX, AUM

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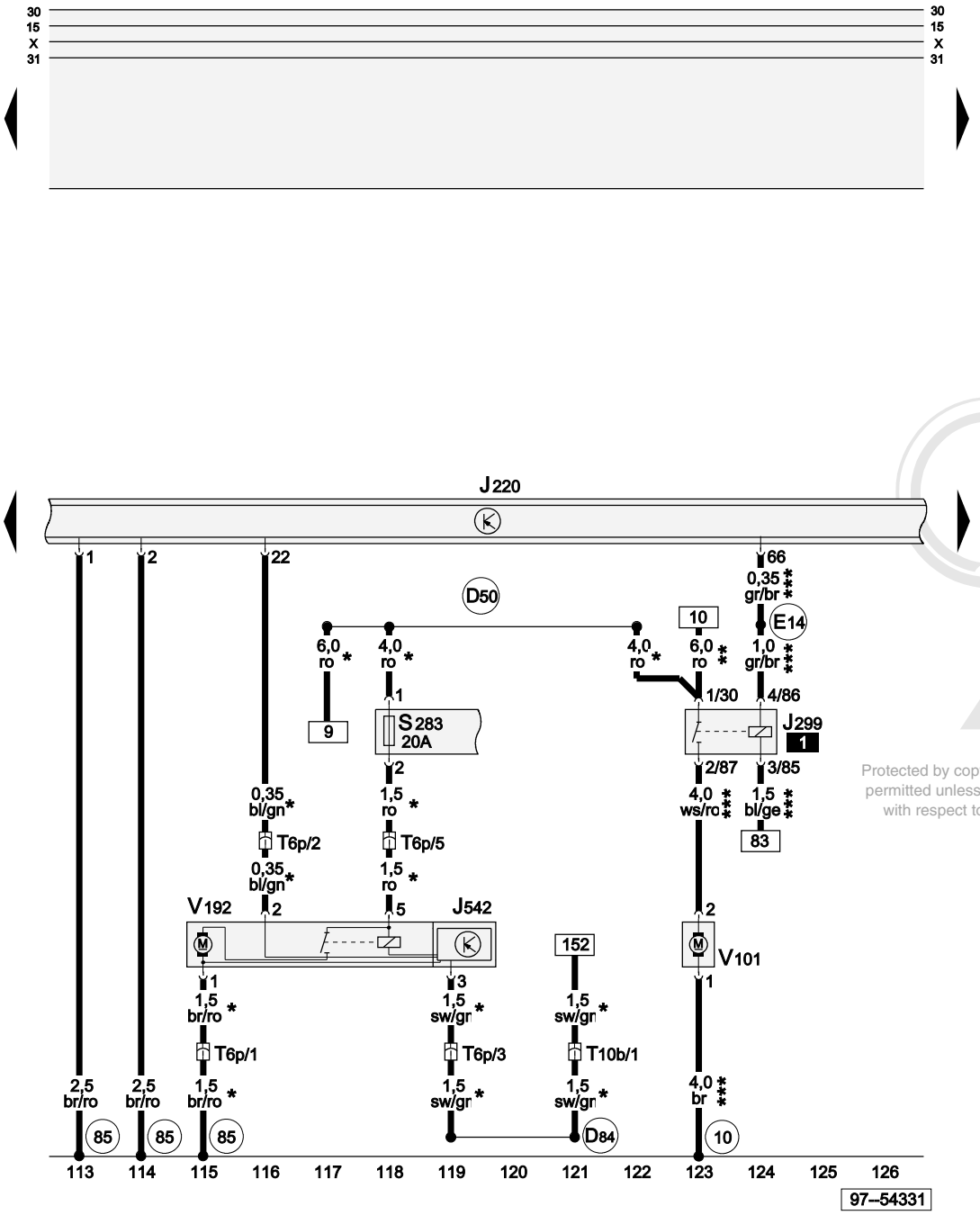


Motronic control unit, ignition coils

J220	Motronic control unit
N	Ignition coil
N128	Ignition coil 2
N158	Ignition coil 3
N163	Ignition coil 4
P	Spark plug connector
Q	Spark plugs
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
10	Earth point, in plenum chamber
281	Earth connection -1-, in engine prewiring wiring harness
283	Earth connection -2-, in engine prewiring wiring harness
D106	Connection -4-, in engine compartment wiring harness

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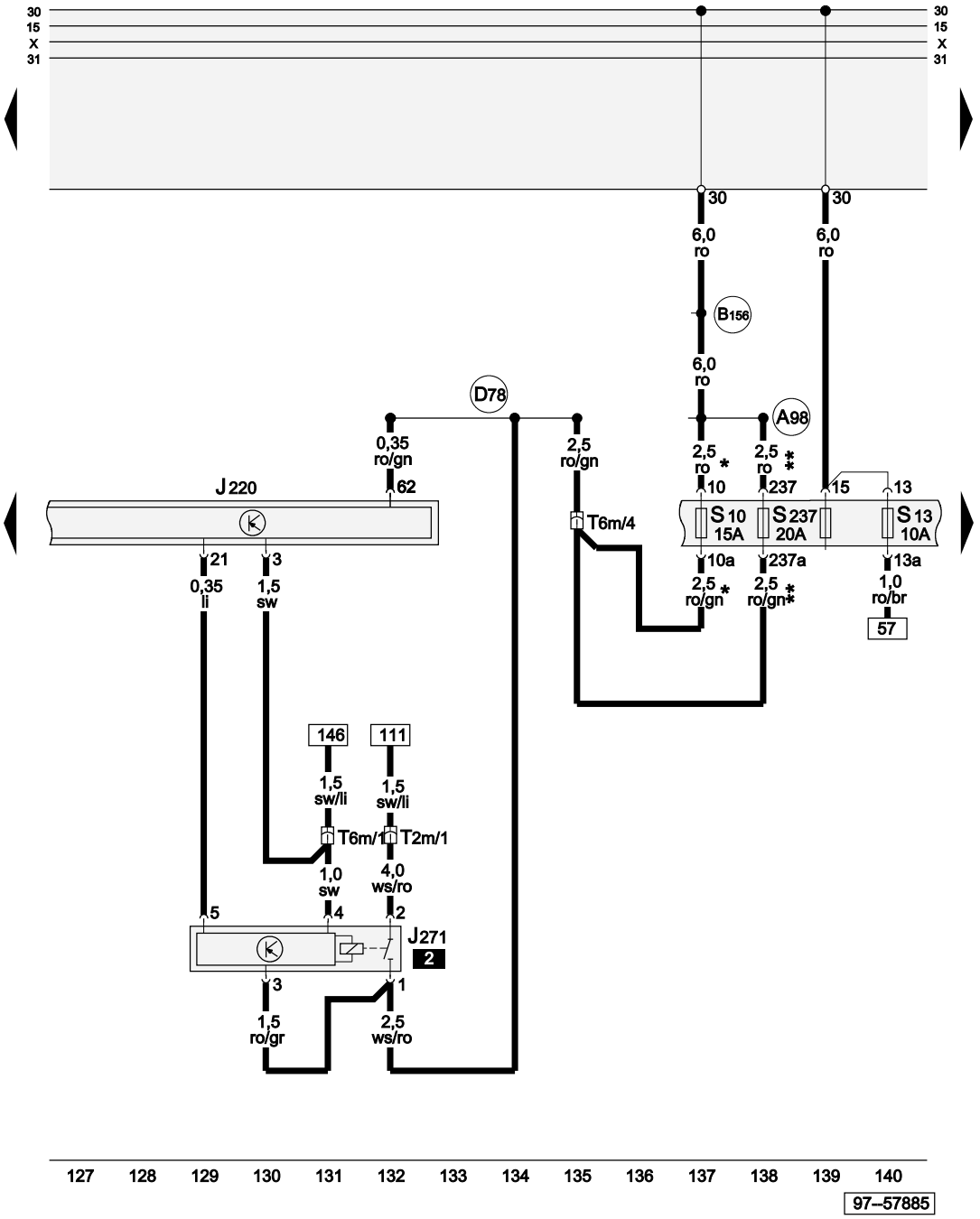


Motronic control unit, secondary air pump, vacuum pump for brakes

J220	Motronic control unit
J299	Secondary air pump relay
J542	Brake servo control unit
S283	Brake vacuum pump fuse
T6p	6-pin connector, in engine compartment, left
T10b	10-pin connector, grey, in plenum chamber
V101	Secondary air pump motor
V192	Vacuum pump for brakes
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
D50	Positive (+) connection (30), in engine compartment wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
E14	Connection -1-, in Motronic wiring harness
*	Only applies to models with automatic gearbox
**	Only applies to models with manual gearbox
***	Does not apply to models with engine code AMK

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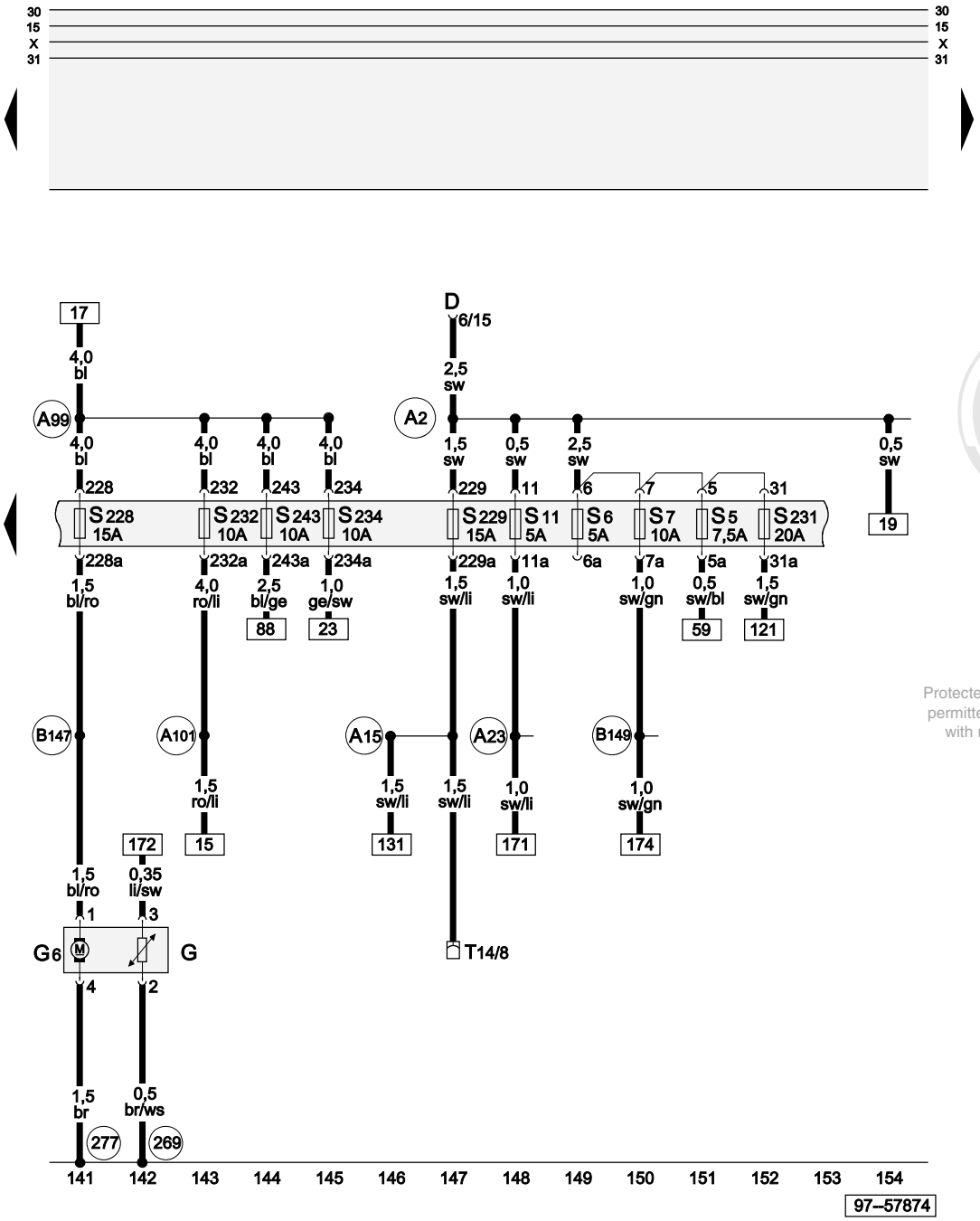


Motronic control unit, Motronic current supply relay, fuses

J220	Motronic control unit
J271	Motronic current supply relay
S10	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S237	Fuse in fuse box
T2m	2-pin connector, engine prewiring, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
*	As of November 2001 no longer fitted
**	From November 2001 onwards

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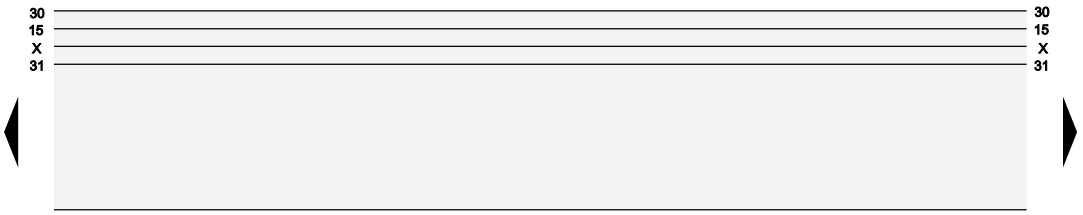


Fuel pump, fuses

D	Ignition/starter switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
S5	Fuse in fuse box/relay plate
S6	Fuse in fuse box/relay plate
S7	Fuse in fuse box/relay plate
S11	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S229	Fuse in fuse box
S231	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
T14	14-pin connector, in engine compartment, left
269	Earth connection (sender earth) -1-, in dash panel wiring harness
277	Earth connection -3-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness

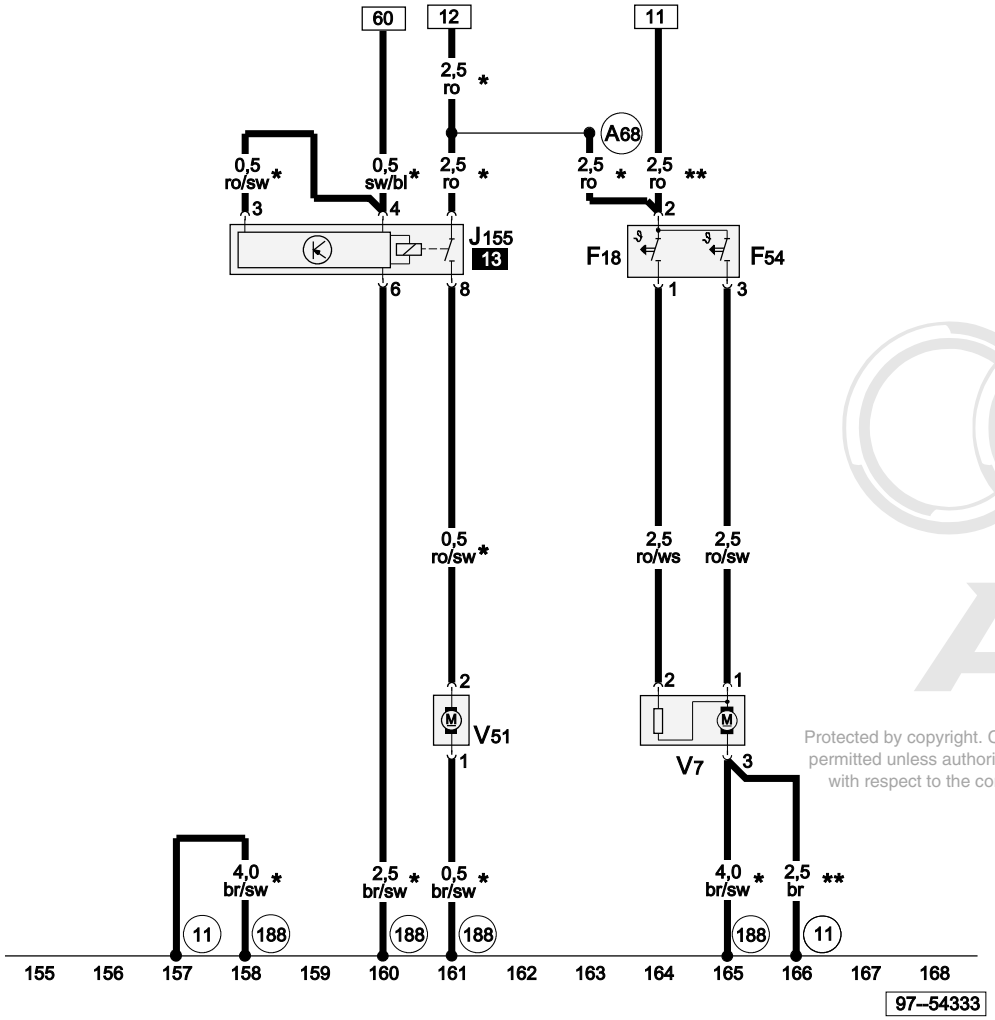
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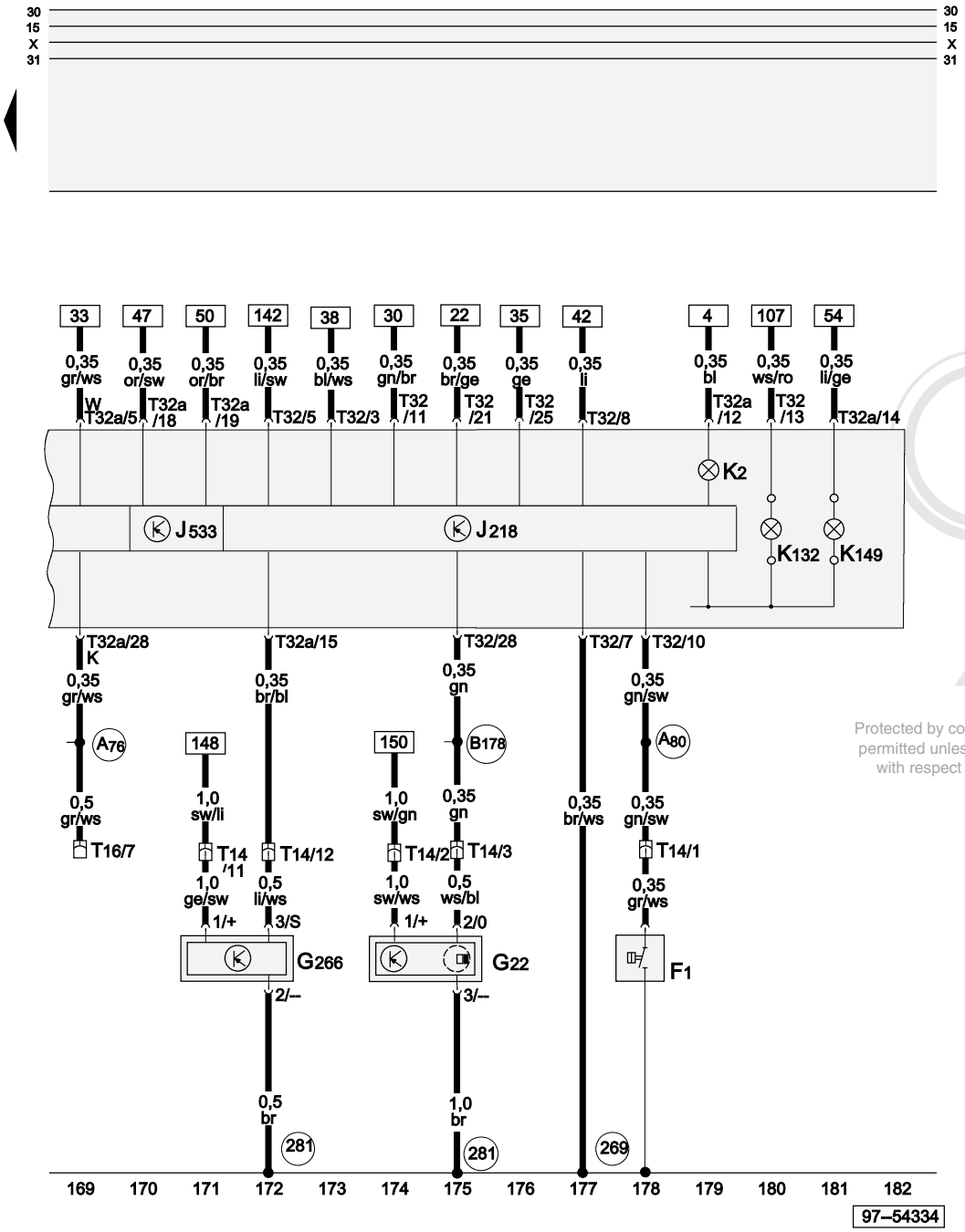
Radiator fan thermo-switches, coolant pump control unit

F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J155	Coolant pump control unit
V7	Radiator fan
V51	Continued coolant circulation pump
11	Earth point, in battery box
188	Earth connection -3-, in air conditioner wiring harness
A68	Connection (30, air conditioner), in dash panel wiring harness
*	Only applies to engine code AMK
**	Only applies to engine codes ARY, ARX, AUM, AUQ



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Dash panel insert, oil pressure switch, oil level/oil temperature sender, speedometer sender

F1	Oil pressure switch
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level/oil temperature sender
J218	Combi-processor in dash panel insert
J533	Data bus diagnostic interface
K2	Alternator warning lamp
K132	Electronic power control fault lamp
K149	Engine electronics warning lamp
T14	14-pin connector, in engine compartment, left
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
B178	Connection (speed signal), in interior wiring harness

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1.9 l - Diesel engine (74 kW - unit injectors - 4 cylinder), engine code ATD

from model year 2002

1.9 l - Diesel engine (96 kW - unit injectors - 4 cylinder), engine code ASZ

from model year 2002

Notes:

For information concerning

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

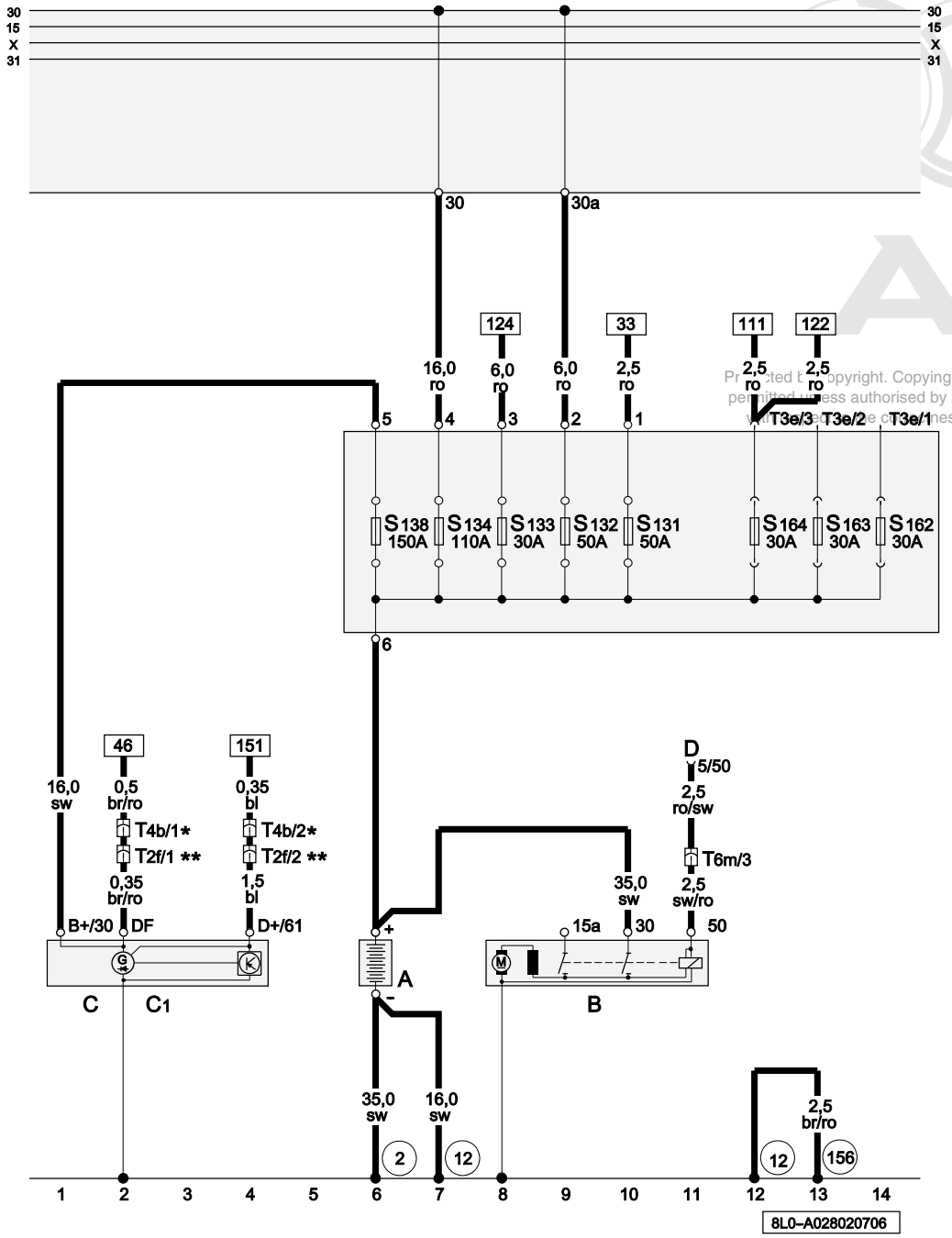
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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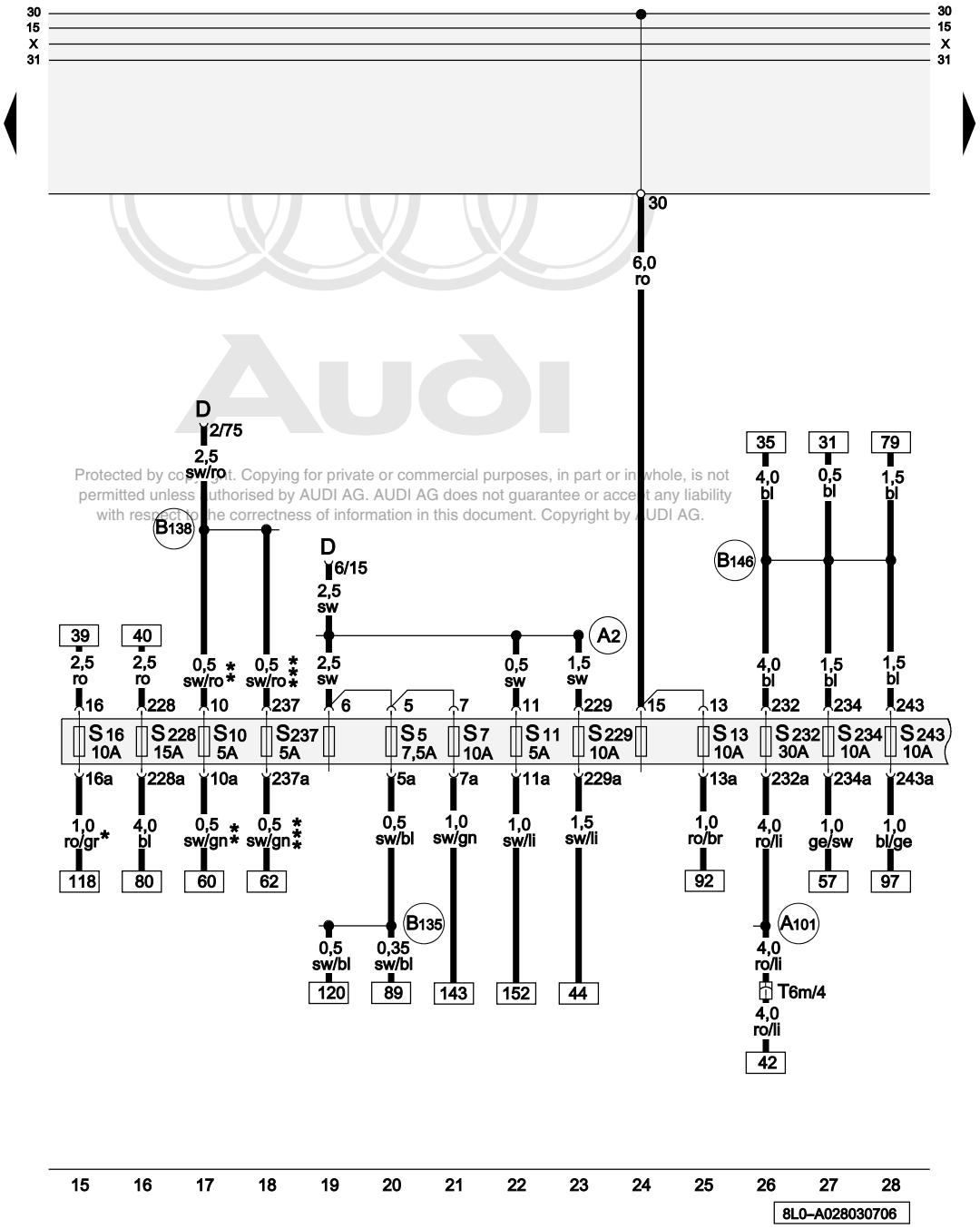


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Battery, starter, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
S138	Fuse 5
S162	Fuse 1 (30) in fuse holder on battery
S163	Fuse 2 (30) in fuse holder on battery
S164	Fuse 3 (30) in fuse holder on battery
T2f	2-pin connector, alternator, in left engine compartment
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in left engine compartment
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
12	Earth point, on left in engine compartment
156	Earth connection, in diesel direct injection wiring harness
*	only models with air conditioning system
**	only models without air conditioning system

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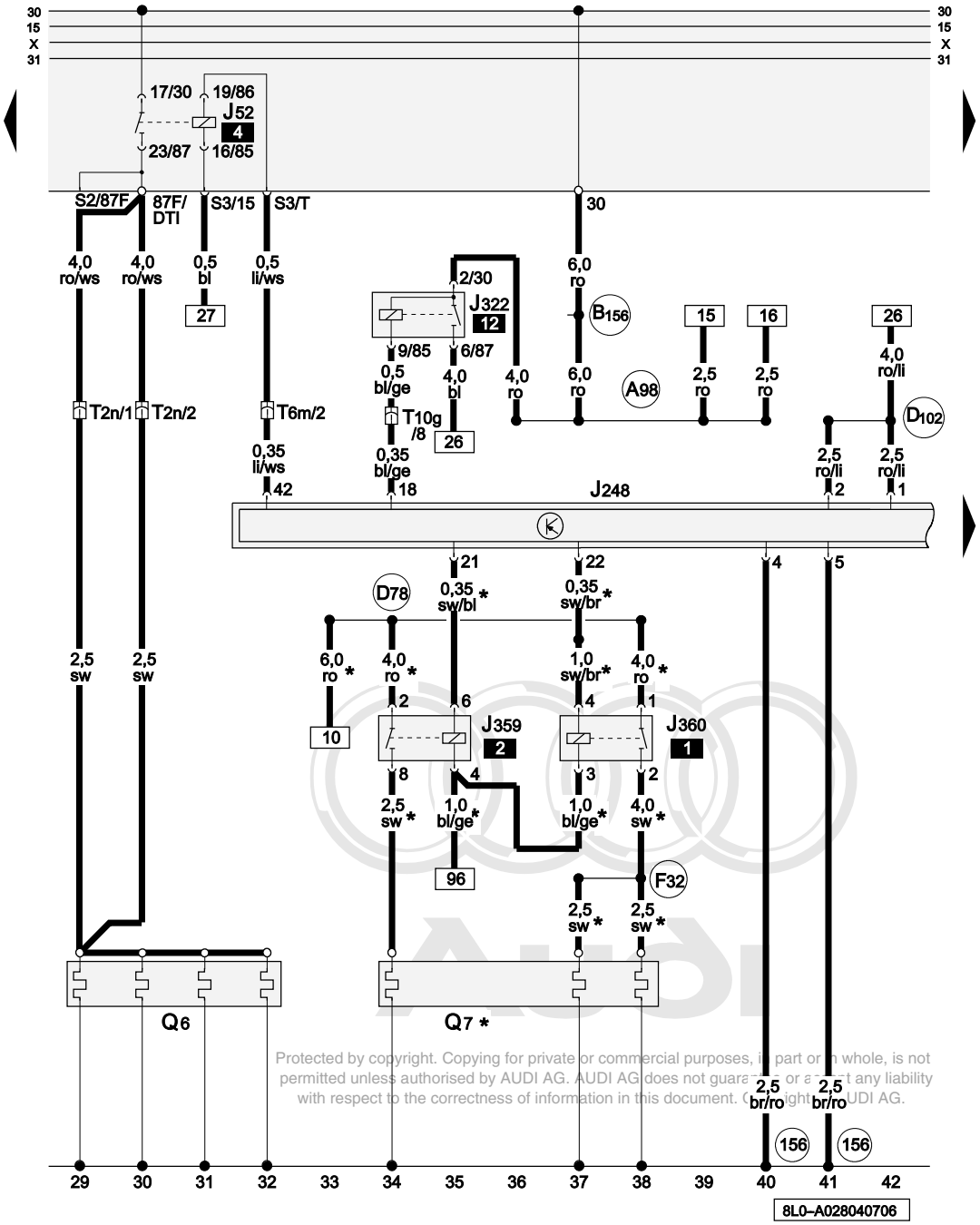


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Fuses

D	Ignition/starter switch
S5	Fuse in relay plate fuse holder
S7	Fuse in relay plate fuse holder
S10	Fuse in relay plate fuse holder
S11	Fuse in relay plate fuse holder
S13	Fuse in relay plate fuse holder
S16	Fuse in relay plate fuse holder
S228	Fuse in fuse holder
S229	Fuse in fuse holder
S232	Fuse in fuse holder
S234	Fuse in fuse holder
S237	Fuse in fuse holder
S243	Fuse in fuse holder
T6m	6-pin connector, brown, in plenum chamber
A2	Positive connection (15), in dash panel wiring harness
A101	Connection 3 (87), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B138	Positive connection (X), in interior wiring harness
B146	Positive connection 1 (87), in interior wiring harness
*	for models with four-wheel drive only, from July 2001
**	is dropped from November 2001
***	applicable from November 2001

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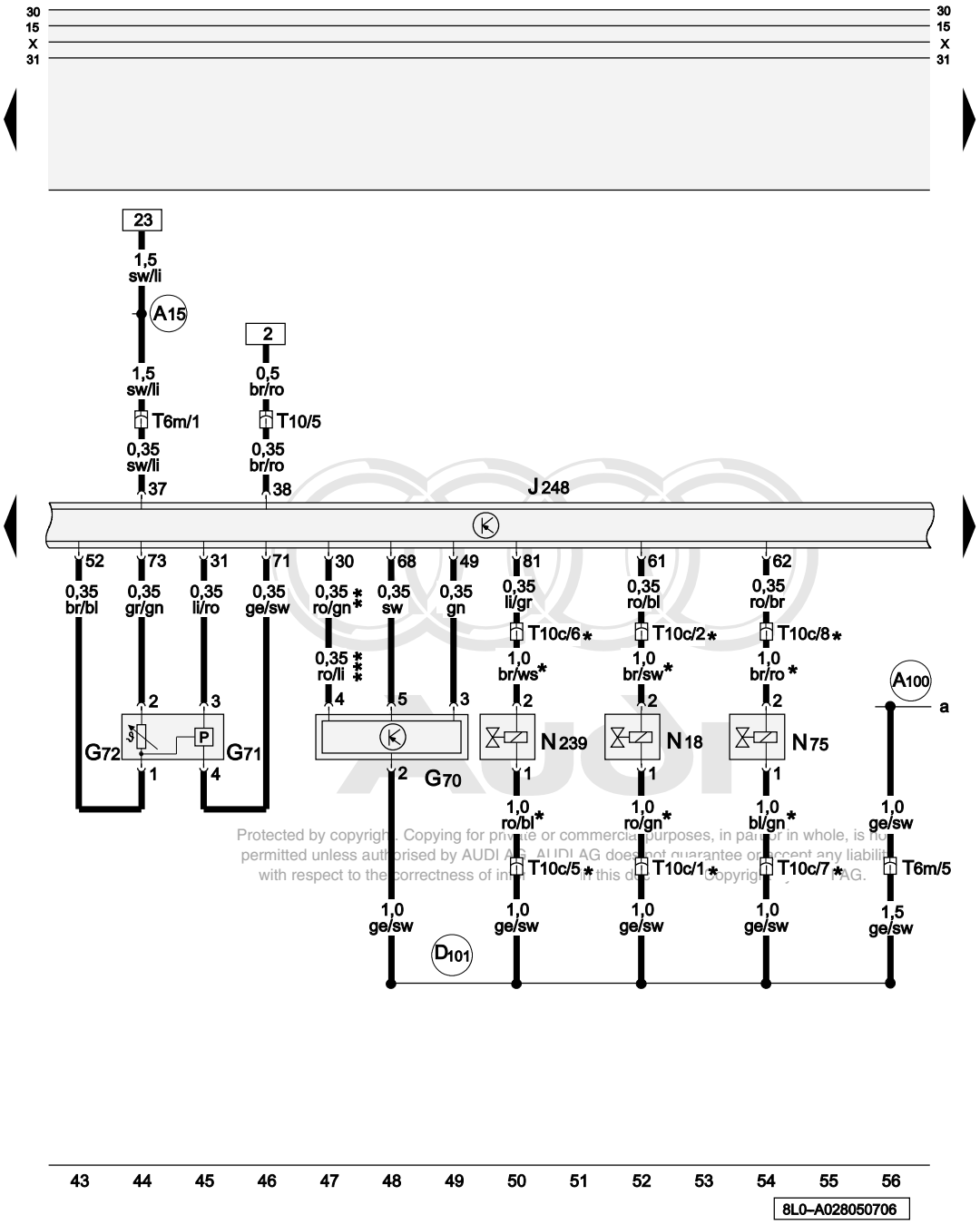


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Diesel direct injection system control unit, diesel direct injection system relay, glow plug relay, engine glow plugs, glow plugs, coolant

J52	Glow plug relay
J248	Diesel direct injection system control unit
J322	Diesel direct injection system relay
J359	Low heat output relay
J360	High heat output relay
Q6	Glow plugs - (engine)
Q7	Glow plugs, coolant
T2n	2-pin connector, cable channel, in left engine compartment
T6m	6-pin connector, brown, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A98	Positive connection 4 (30), in dash panel wiring harness
B156	Positive connection (30a), in interior wiring harness
D78	Positive connection 1 (30a), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
F32	Connection (glow plugs, coolant) in diesel direct injection system wiring harness
*	for models with heated pin heating only (manual gearbox)

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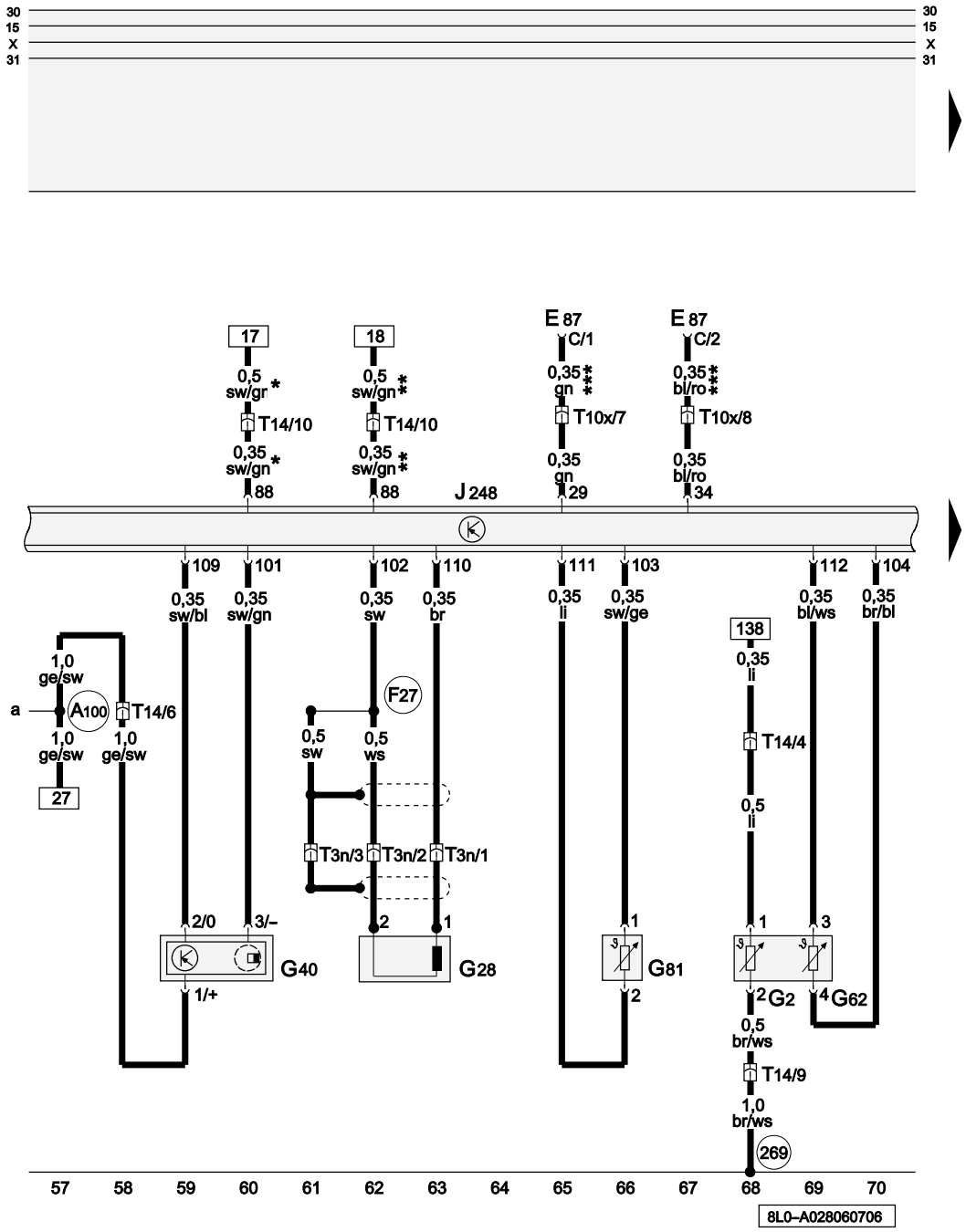


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Diesel direct injection system control unit, air mass meter, intake manifold pressure sender, intake manifold temperature sender, solenoid valve

G70	Air mass meter
G71	Intake manifold pressure sender
G72	Intake manifold temperature sender
J248	Diesel direct injection system control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Variable intake manifold flap change-over valve
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, in left engine compartment
A15	Positive connection (15), in instrument panel wiring harness
A100	Connection 2 (87), in dash panel wiring harness
D101	Connection 1, in engine compartment wiring harness
*	for engine code ASZ only
**	for models with heater elements only
***	for models without heater elements only

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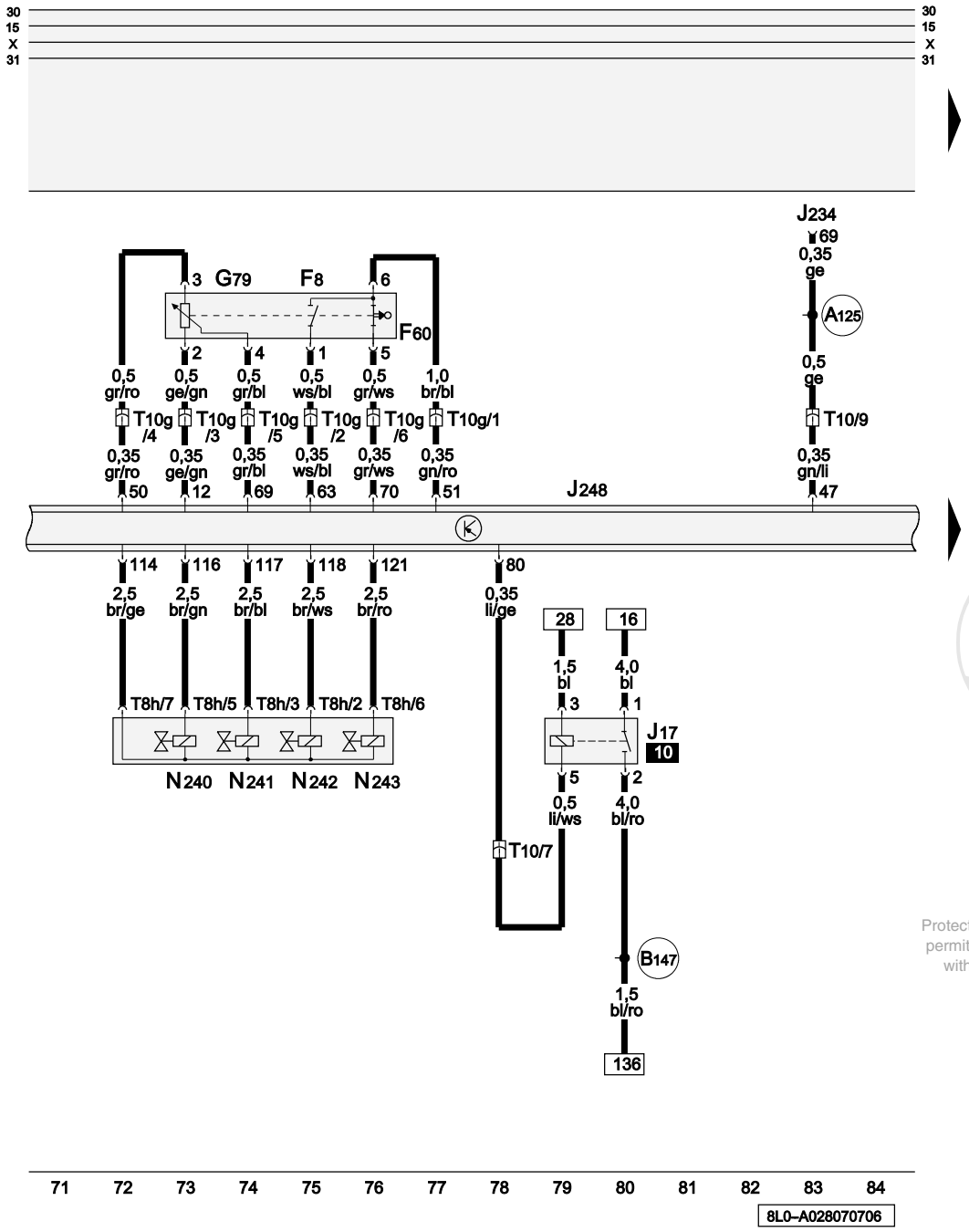


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Diesel direct injection system control unit, coolant temperature sender, fuel temperature sender, Hall sender

E87	operating and display unit for air conditioning system/Climatronic
G2	Coolant temperature sender
G28	Engine speed sender
G40	Hall sender
G62	Coolant temperature sender
G81	Fuel temperature sender
J248	Diesel direct injection system control unit
T3n	3-pin connector, grey, speed sender, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in left engine compartment
269	Earth connection (sender earth) 1, in dash panel wiring harness
A100	Connection 2 (87), in dash panel wiring harness
F27	Connection (screening), in diesel direct injection wiring harness
*	is dropped from November 2001
**	applicable from November 2001
***	for models with air conditioning system only

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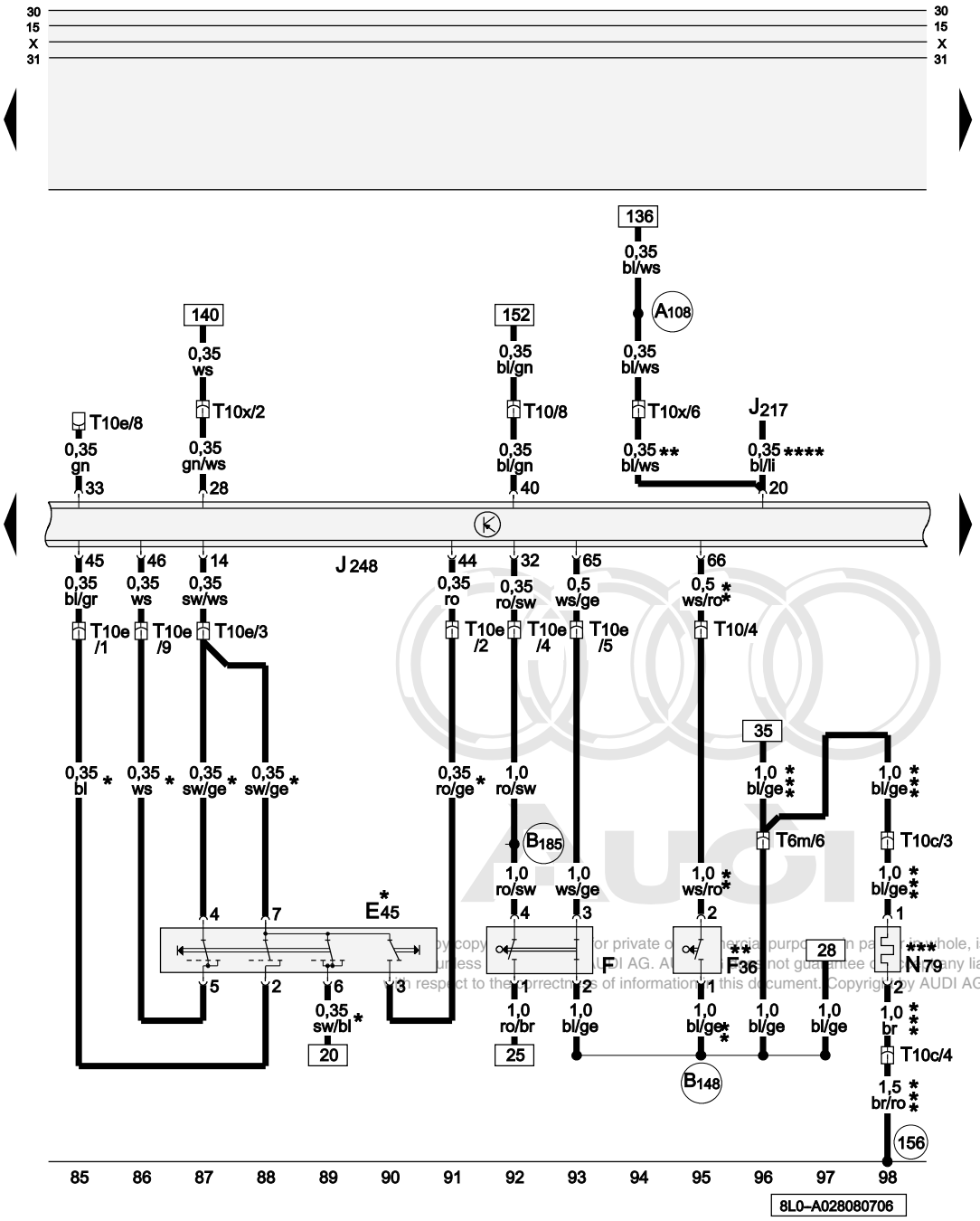


Diesel direct injection system control unit, fuel pump relay, unit injector valves, accelerator position sender

F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J17	Fuel pump relay
J234	Airbag control unit
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.
T8h	8-pin connector, in engine compartment
T10	10-pin connector, white, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
A125	Connection (crash signal), in dash panel wiring harness
B147	Positive connection 2 (87), in interior wiring harness

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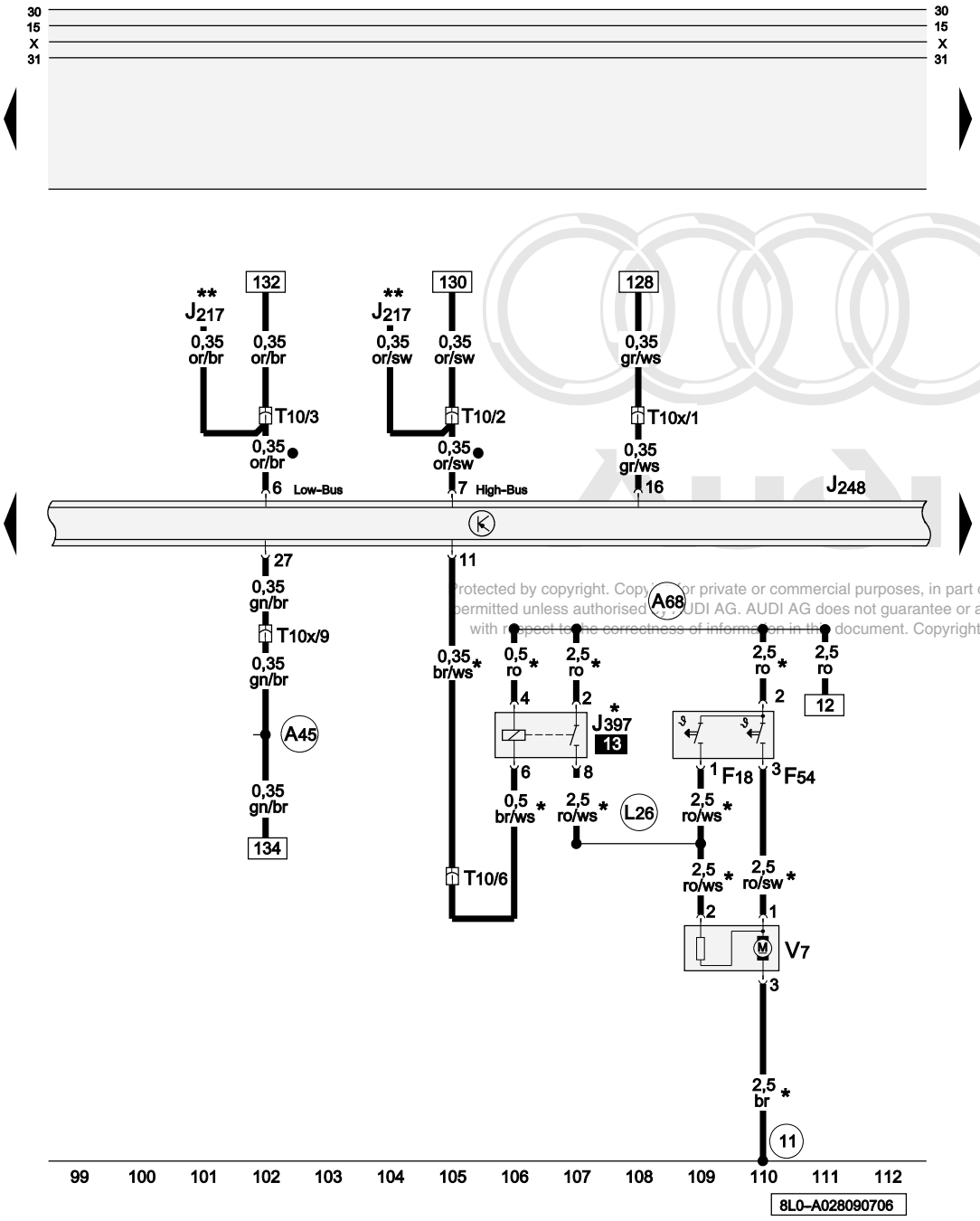
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Diesel direct injection system control unit, heater element (crankcase breather), cruise control system switch, brake pedal switch, clutch pedal switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
N79	Heater element for crankcase breather
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, in left engine compartment
T10e	10-pin connector, black, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B148	Positive connection 3 (87), in interior wiring harness
B185	Connection 2 (54), in interior wiring harness

* for models with CCS only
** for manual gearbox only
*** for models with heater elements only
**** for automatic gearbox only

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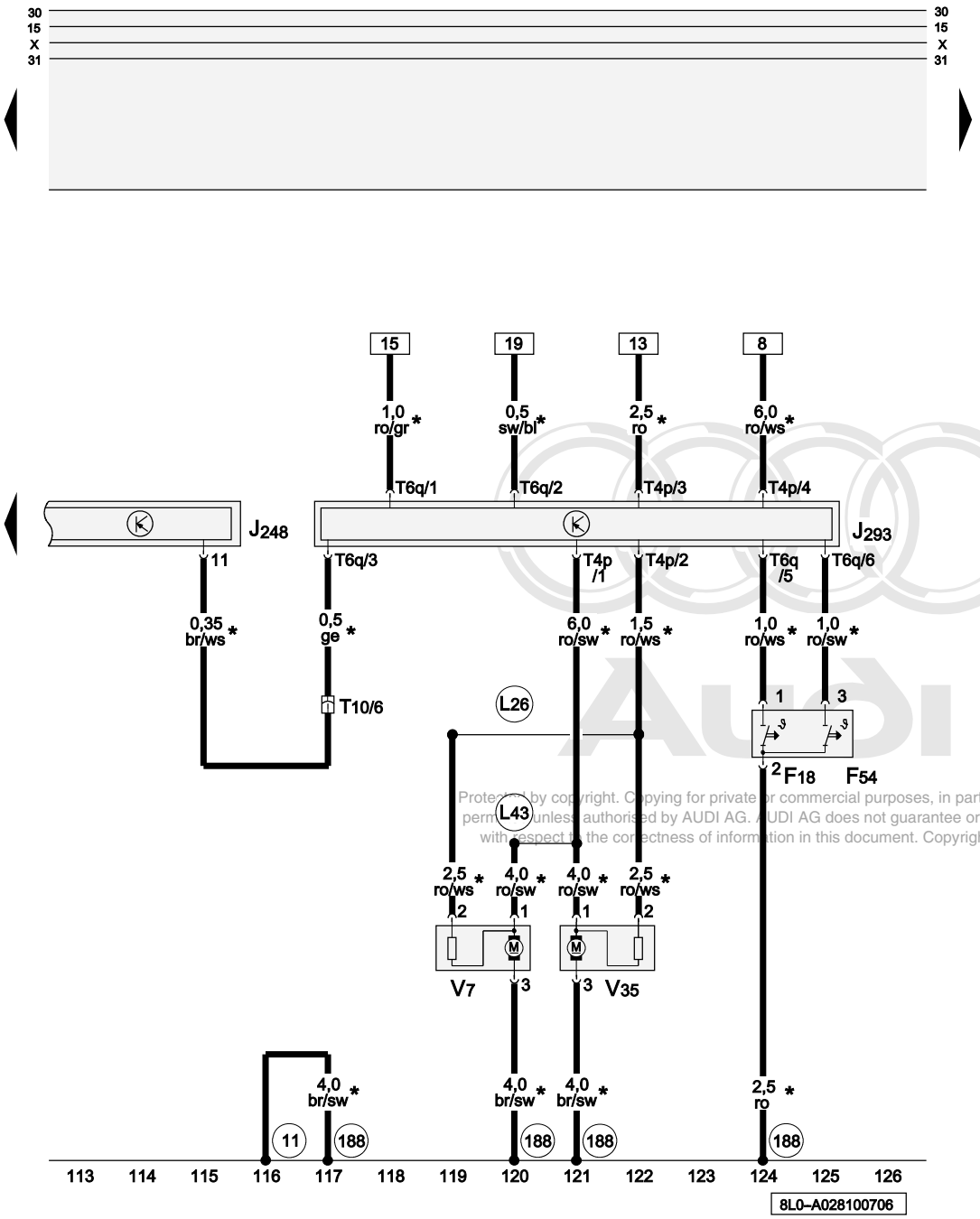


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Diesel direct injection system control unit, radiator fan

F18	Thermal switch for radiator fan
F54	Thermal switch for radiator fan
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J397	Radiator fan run-on relay
T10	10-pin connector, white, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
V7	Radiator fan
11	Earth point, in battery box
A45	Connection (RPM signal), in dash panel wiring harness
A68	Connection (30, air conditioning system), in dash panel wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
*	is dropped from July 2001, engines with four-wheel gearbox
**	for automatic gearbox only
•	CAN bus (data bus)

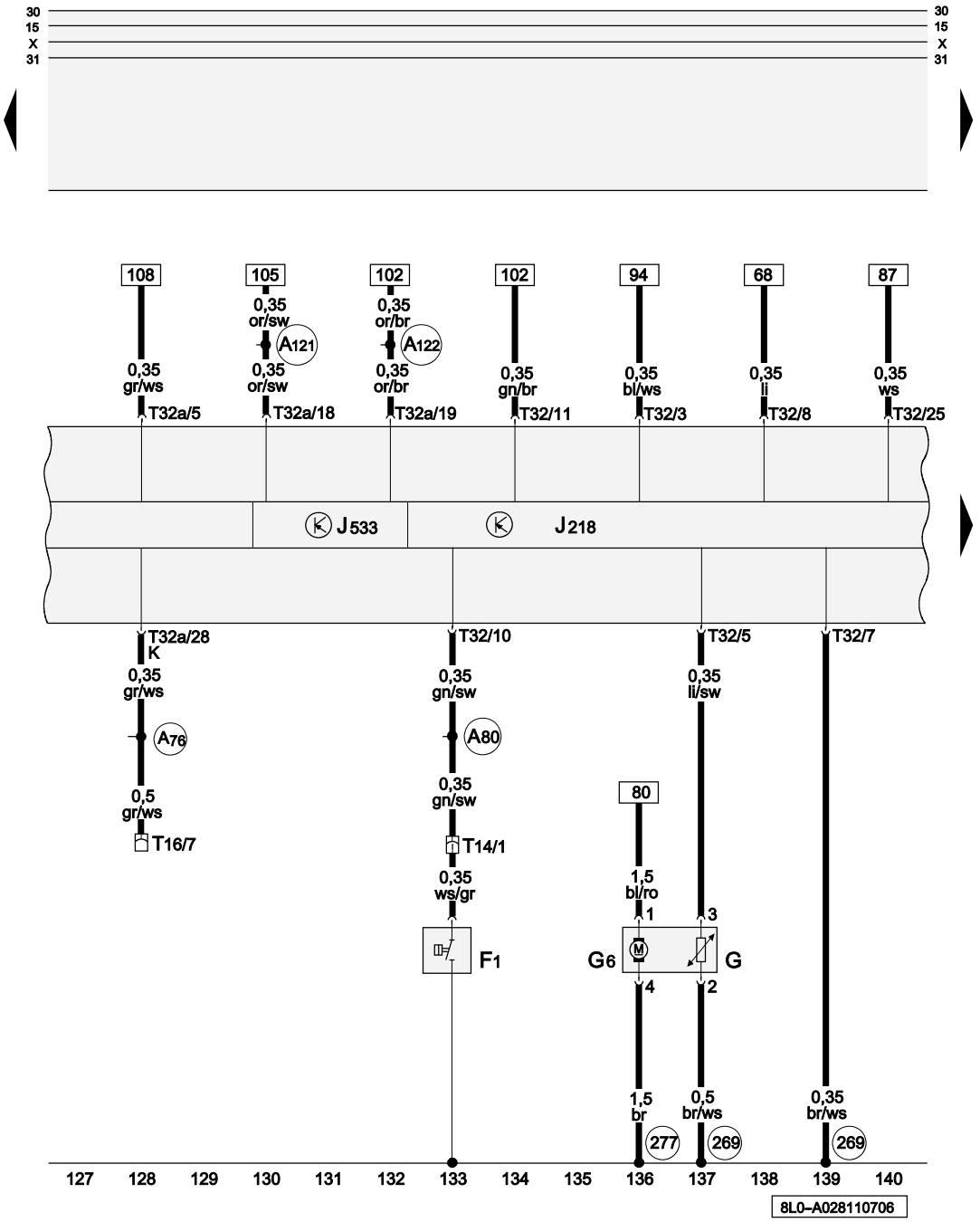


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Radiator fan control unit

F18	Radiator fan thermal switch
F54	Thermal switch for radiator fan
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
T4p	4-pin connector, on radiator fan control unit
T6q	6-pin connector, on radiator fan control unit
T10	10-pin connector, white, in plenum chamber
V7	Radiator fan
V35	Right fan for radiator
11	Earth point, in battery box
188	Earth connection 3, in air conditioning system wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
L43	Connection (radiator fan), in air conditioning system/radiator fan wiring harness
*	applicable from July 2001, engines with four-wheel gearbox

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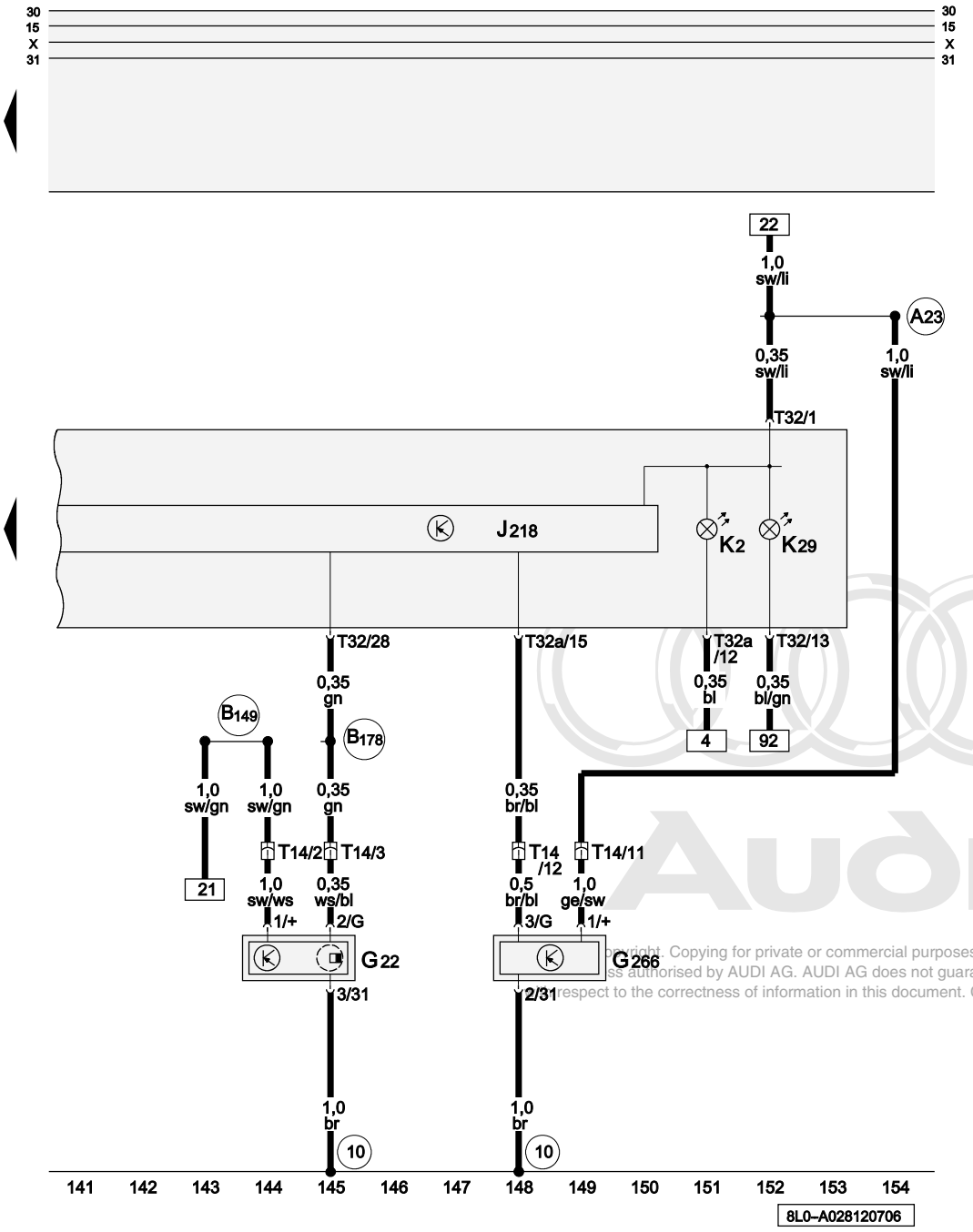


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Combi-processor in dash panel insert, oil pressure switch, fuel gauge sender, fuel pump (pre-supply pump)

F1	Oil pressure switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
J218	Combi-processor in dash panel insert
J533	Data bus diagnostic interface
T14	14-pin connector, in left engine compartment
T16	16-pin connector, black, shelf centre console (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) 1, in dash panel wiring harness
277	Earth connection 3, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection 1 (X), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness

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Combi-processor in dash panel insert, speedometer sender, oil level and oil temperature sender

G22	Speedometer sender (Hall sender, on gearbox)
G266	
J218	Combi-processor in dash panel insert
K2	Alternator warning lamp
K29	Glow period warning lamp
T14	14-pin connector, in left engine compartment
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
10	Earth point, in plenum chamber
A23	Connection (30al), in dash panel wiring harness
B149	Positive connection 2 (15a), in interior wiring harness
B178	Connection (speed signal), in interior wiring harness

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1.9 l - Diesel engine (74 kW - unit injectors - 4 cylinder), engine code AXR

from model year 2002

Notes:

For information concerning

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

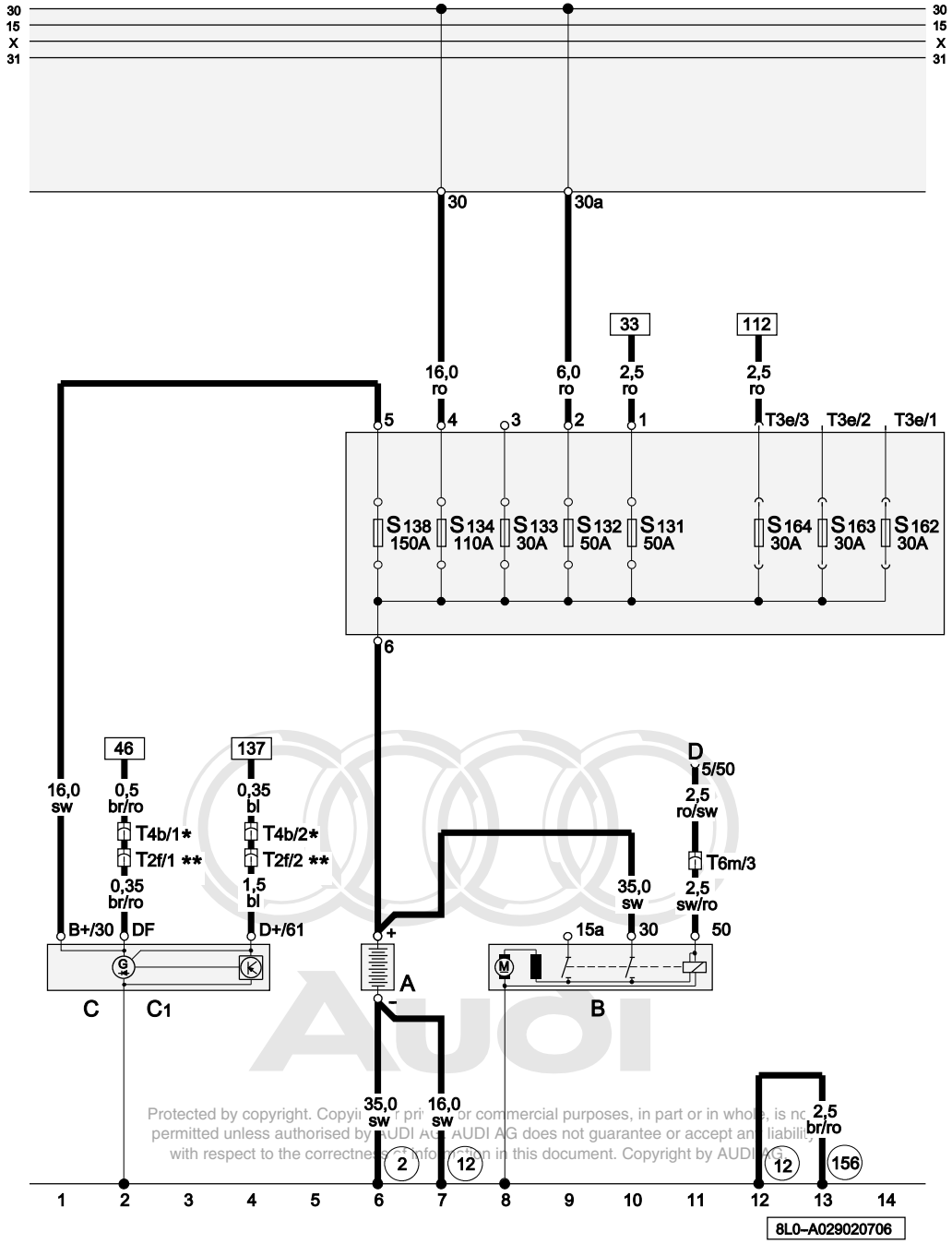
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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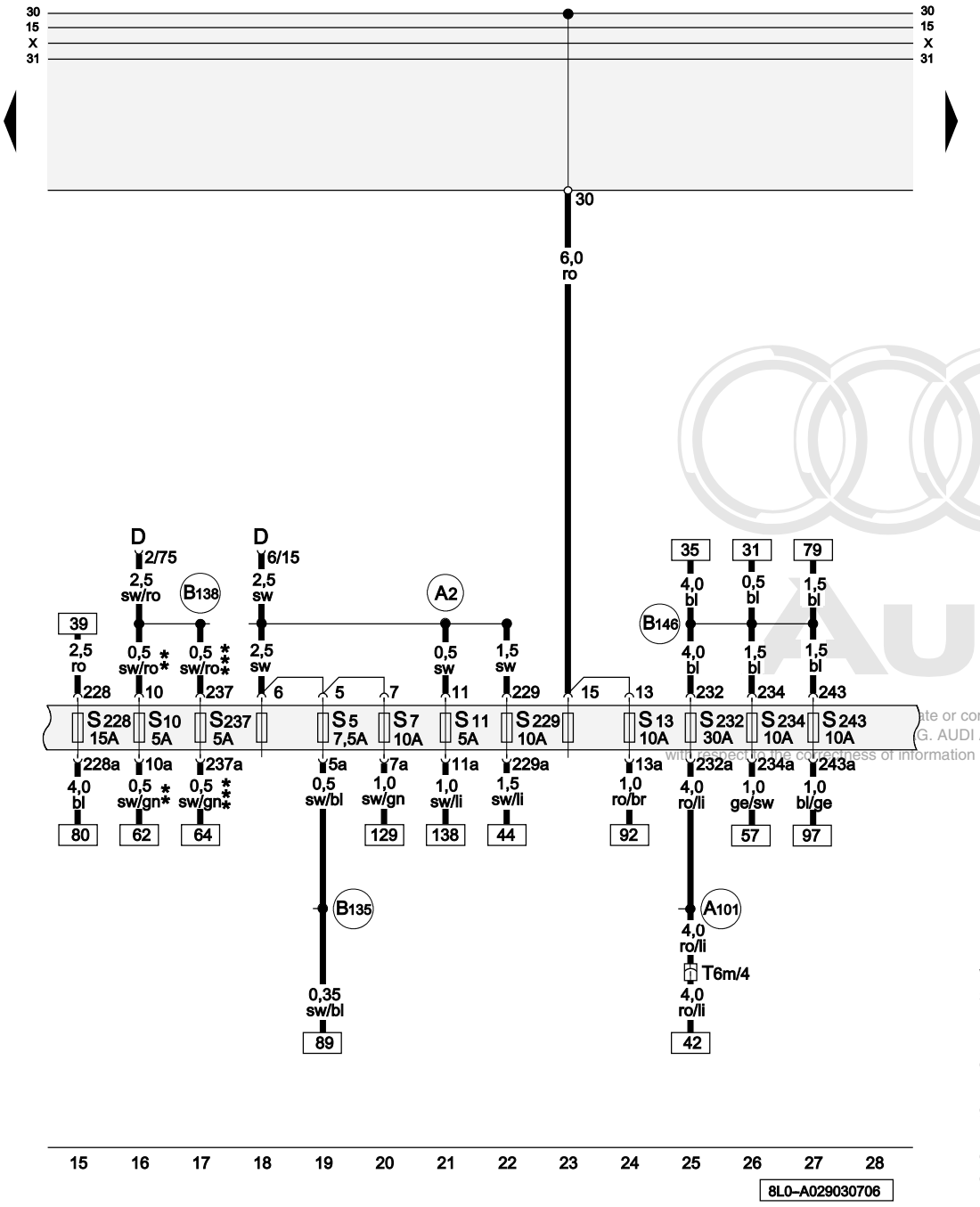


Battery, starter, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
S138	Fuse 5
S162	Fuse 1 (30) in fuse holder on battery
S163	Fuse 2 (30) in fuse holder on battery
S164	Fuse 3 (30) in fuse holder on battery
T2f	2-pin connector, alternator, in left engine compartment
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in left engine compartment
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
12	Earth point, on left in engine compartment
156	Earth connection, in diesel direct injection wiring harness
*	only models with air conditioning system
**	only models without air conditioning system

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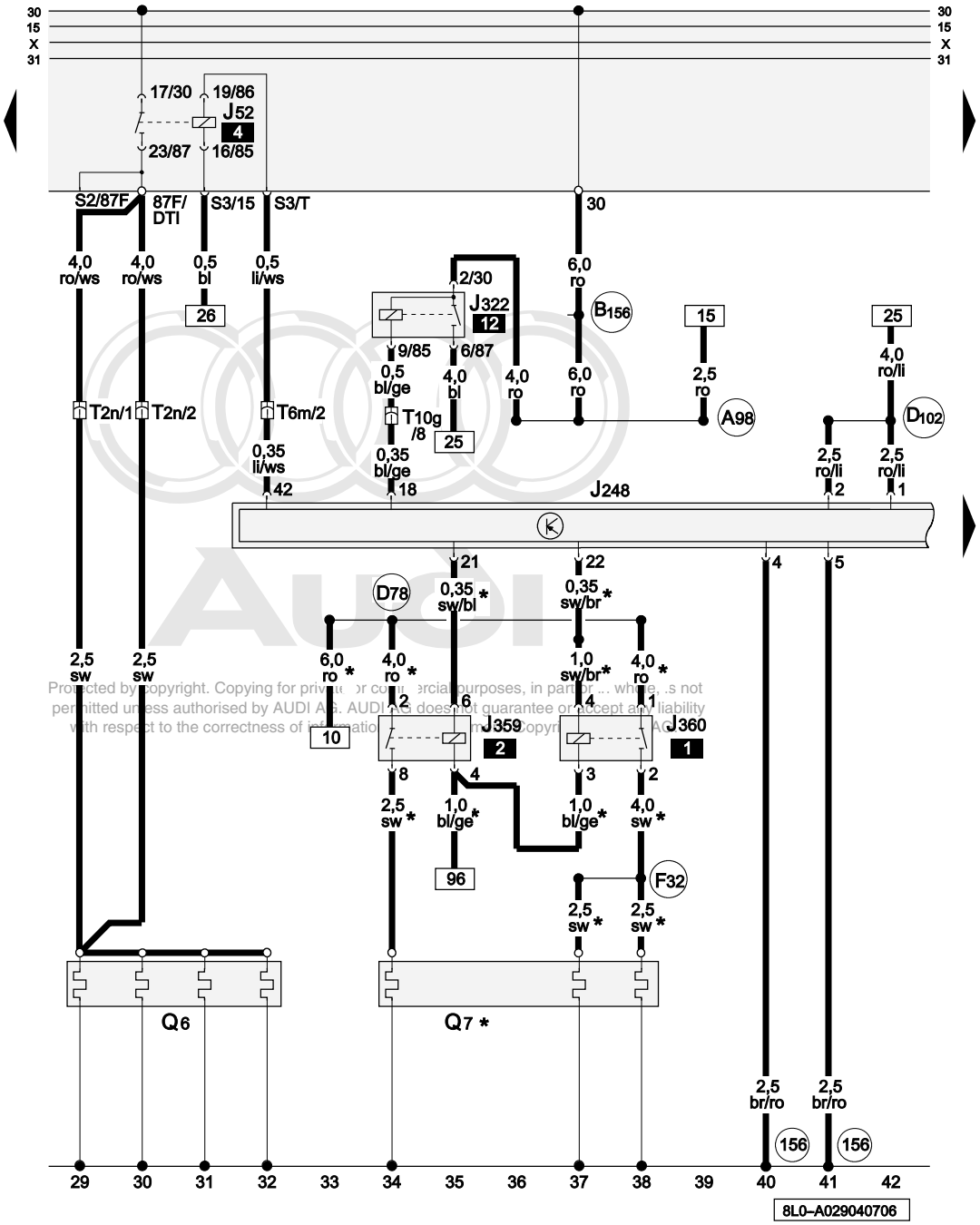


Fuses

D	Ignition/starter switch
S5	Fuse in relay plate fuse holder
S7	Fuse in relay plate fuse holder
S10	Fuse in relay plate fuse holder
S11	Fuse in relay plate fuse holder
S13	Fuse in relay plate fuse holder
S228	Fuse in fuse holder
S229	Fuse in fuse holder
S232	Fuse in fuse holder
S234	Fuse in fuse holder
S237	Fuse in fuse holder
S243	Fuse in fuse holder
T6m	6-pin connector, brown, in plenum chamber
A2	Positive connection (15), in dash panel wiring harness
A101	Connection 3 (87), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B138	Positive connection (X), in interior wiring harness
B146	Positive connection 1 (87), in interior wiring harness
**	is dropped from November 2001
***	applicable from November 2001

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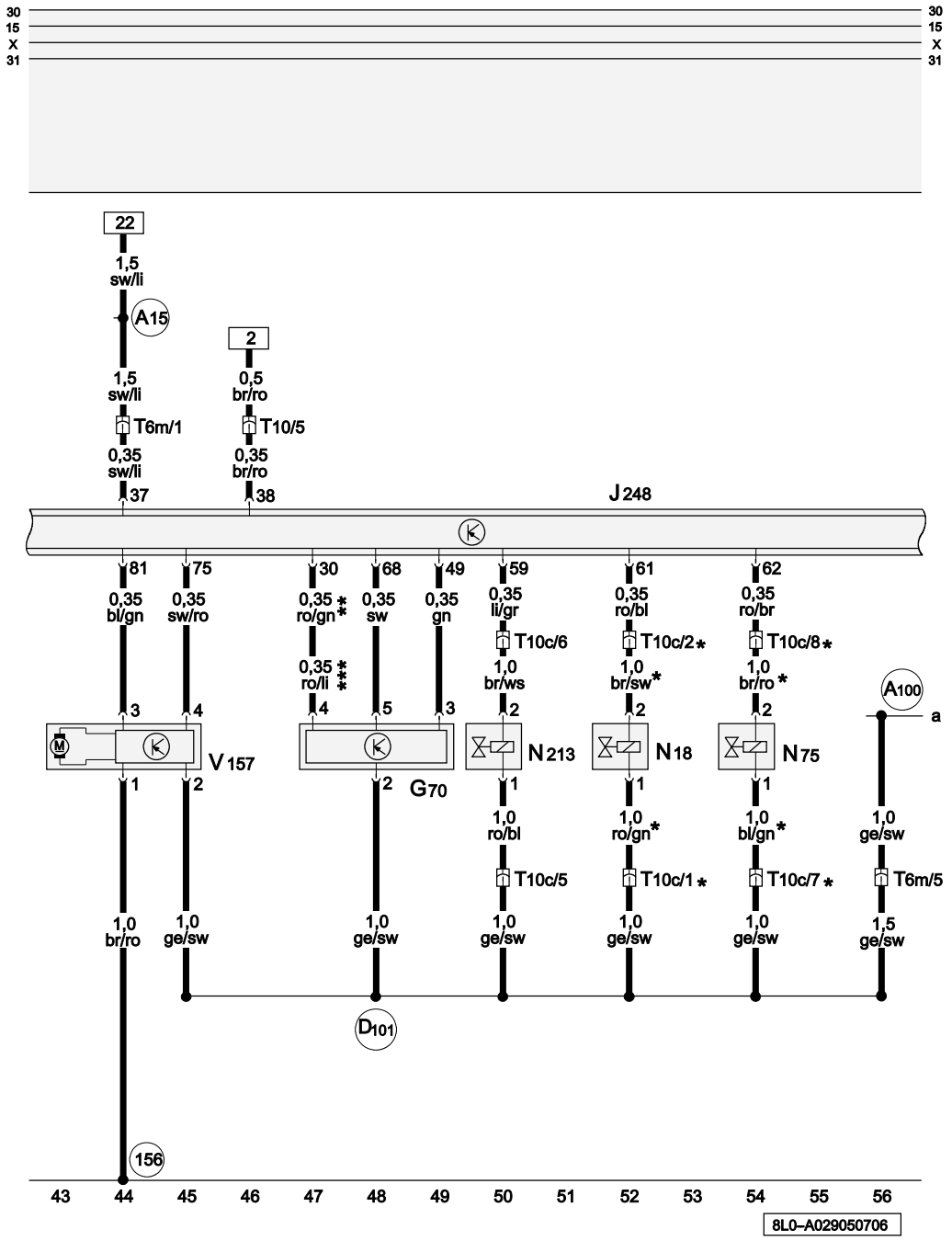


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Diesel direct injection system control unit, diesel direct injection system relay, glow plug relay, engine glow plugs, glow plugs, coolant

J52	Glow plug relay
J248	Diesel direct injection system control unit
J322	Diesel direct injection system relay
J359	Low heat output relay
J360	High heat output relay
Q6	Glow plugs - (engine)
Q7	Glow plugs, coolant
T2n	2-pin connector, cable channel, in left engine compartment
T6m	6-pin connector, brown, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A98	Positive connection 4 (30), in dash panel wiring harness
B156	Positive connection (30a), in interior wiring harness
D78	Positive connection 1 (30a), in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
F32	Connection (glow plugs, coolant) in diesel direct injection system wiring harness
*	for models with heated pin heating only (manual gearbox)

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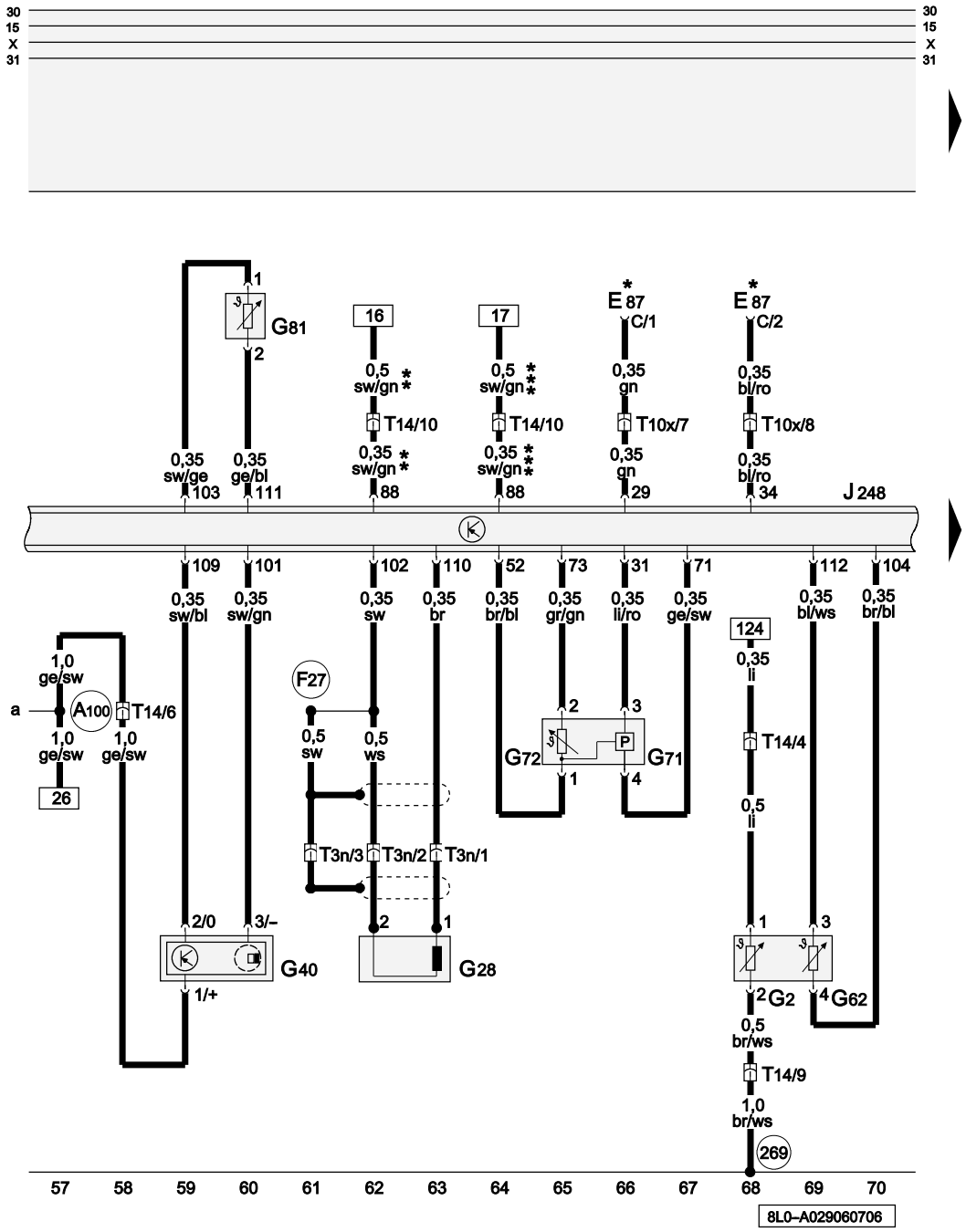


Diesel direct injection system control unit, air mass meter, solenoid valve, intake manifold flap motor

G70	Air mass meter
J248	Diesel direct injection system control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N213	Exhaust gas recirculation valve 2
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, in left engine compartment
V157	Intake manifold flap motor
156	Earth connection, in diesel direct injection wiring harness
A15	Positive connection (15), in instrument panel wiring harness
A100	Connection 2 (87), in dash panel wiring harness
D101	Connection 1, in engine compartment wiring harness
*	for models with engine code ASZ only
**	for models with heater elements only
***	for models without heater elements only

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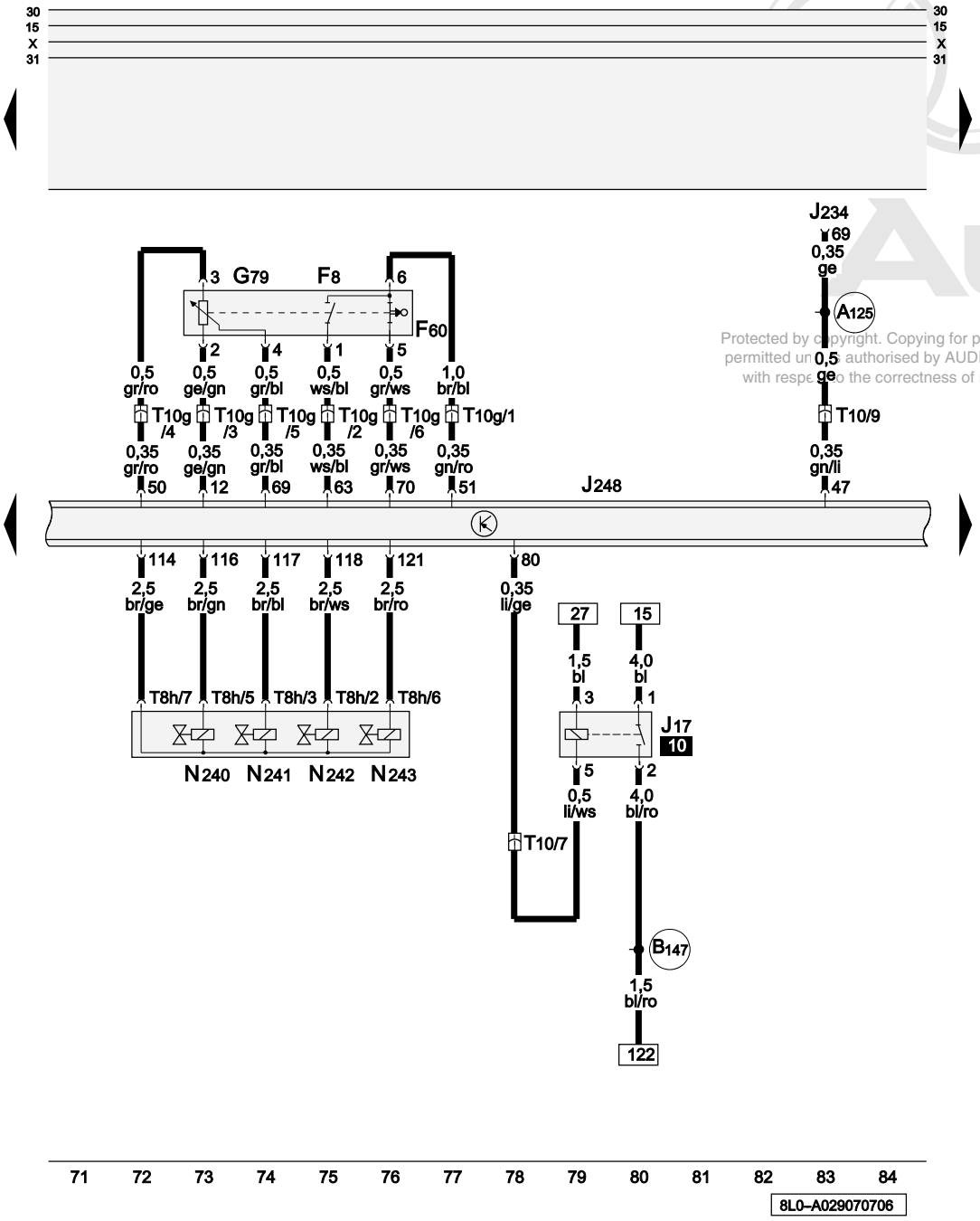


Diesel direct injection system control unit, coolant temperature sender, fuel temperature sender, intake manifold pressure sender, intake manifold temperature sender, Hall sender

E87	operating and display unit for air conditioning system/Climatronic
G2	Coolant temperature sender
G28	Engine speed sender
G40	Hall sender
G62	Coolant temperature sender
G71	Intake manifold pressure sender
G72	Intake manifold temperature sender
G81	Fuel temperature sender
J248	Diesel direct injection system control unit
T3n	3-pin connector, grey, speed sender, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in left engine compartment
269	Earth connection (sender earth) 1, in dash panel wiring harness
A100	Connection 2 (87), in dash panel wiring harness
F27	Connection (screening), in diesel direct injection wiring harness
*	for models with air conditioning system only
**	is dropped from November 2001
***	applicable from November 2001

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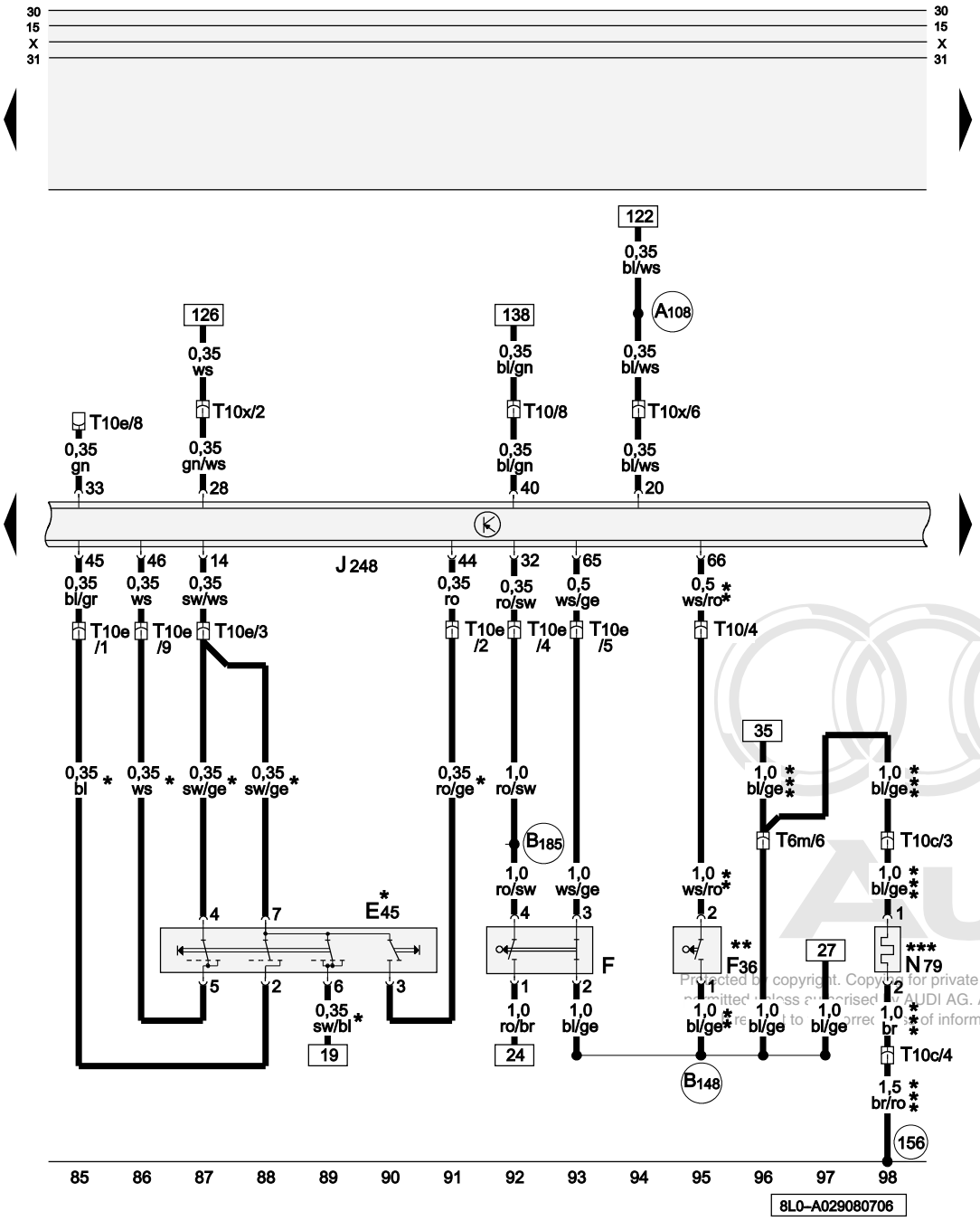


Diesel direct injection system control unit, fuel pump relay, unit injector valves, accelerator position sender

F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J17	Fuel pump relay
J234	Airbag control unit
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.
T8h	8-pin connector, in engine compartment
T10	10-pin connector, white, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
A125	Connection (crash signal), in dash panel wiring harness
B147	Positive connection 2 (87), in interior wiring harness

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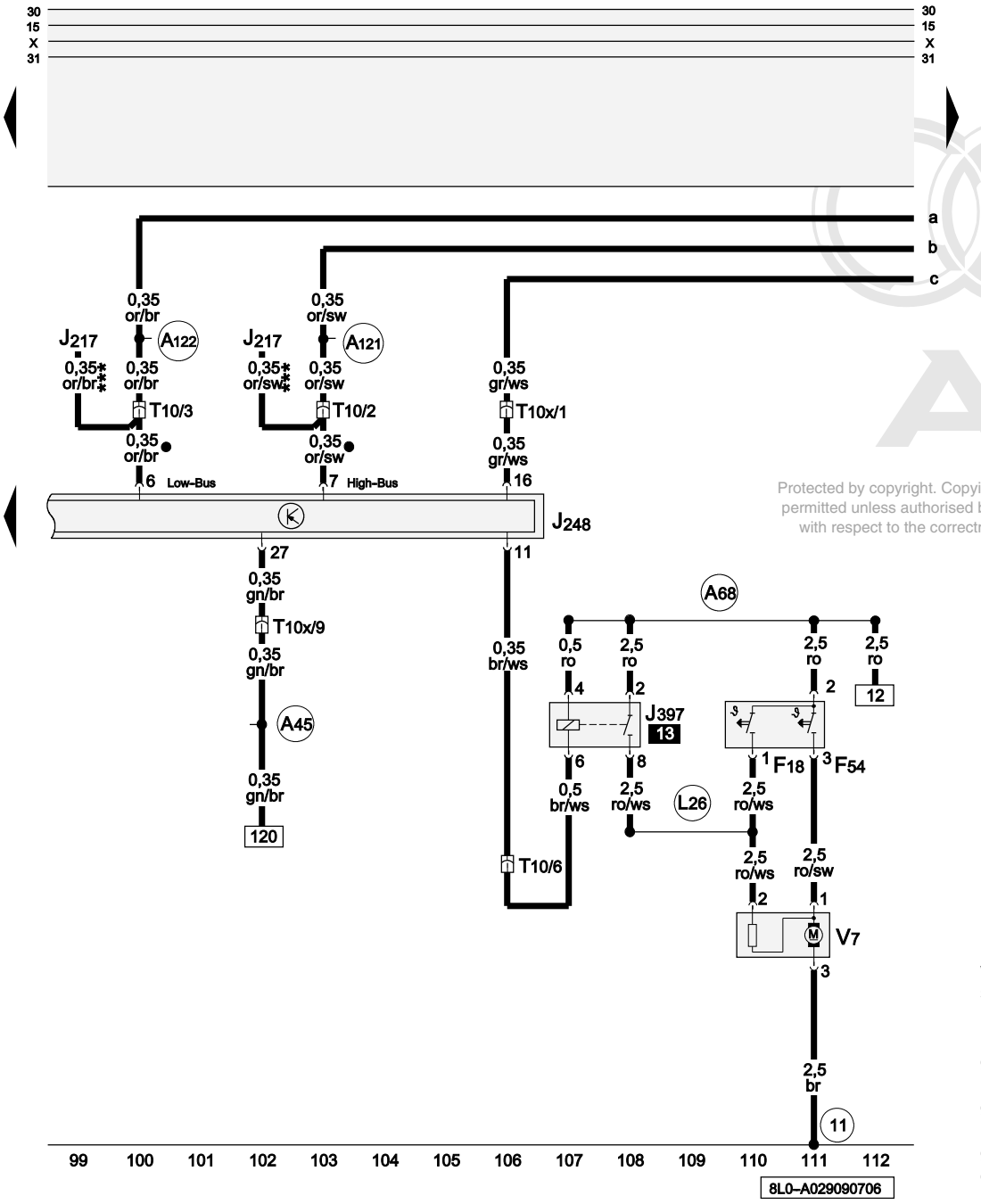


Diesel direct injection system control unit, heater element (crankcase breather), cruise control system switch, brake pedal switch, clutch pedal switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
J248	Diesel direct injection system control unit
N79	Heater element for crankcase breather
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, in left engine compartment
T10e	10-pin connector, black, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B148	Positive connection 3 (87), in interior wiring harness
B185	Connection 2 (54), in interior wiring harness
*	for models with CCS only
**	for manual gearbox only
***	for models with heater elements only

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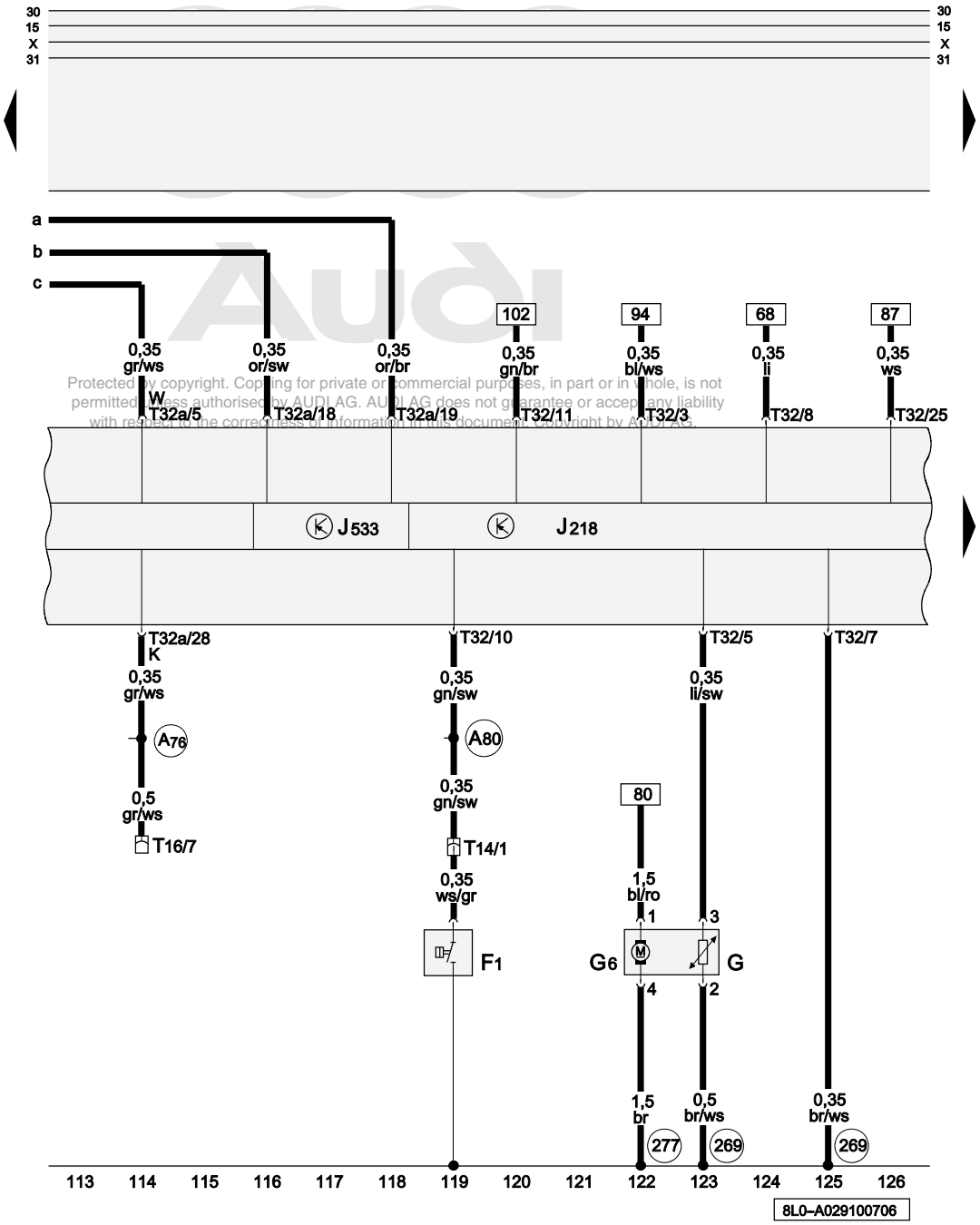


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Diesel direct injection system control unit, radiator fan

F18	Thermal switch for radiator fan
F54	Thermal switch for radiator fan
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
J397	Radiator fan run-on relay
T10	10-pin connector, white, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
V7	Radiator fan
11	Earth point, in battery box
A45	Connection (RPM signal), in dash panel wiring harness
A68	Connection (30, air conditioning system), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
•	CAN bus (data bus)

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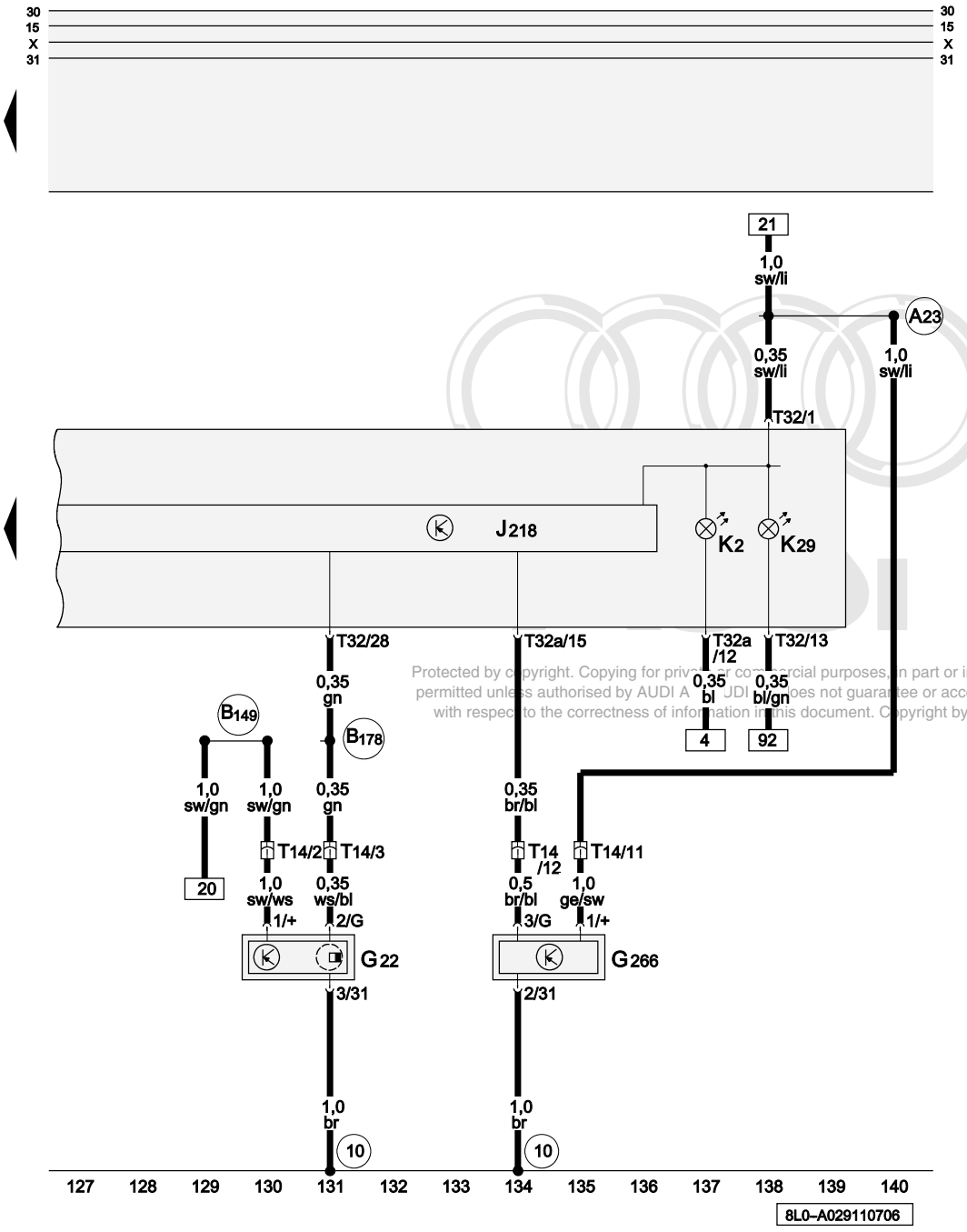


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Combi-processor in dash panel insert, diagnostic connector, oil pressure switch, fuel pump

F1	Oil pressure switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
J218	Combi-processor in dash panel insert
J533	Data bus diagnostic interface
T14	14-pin connector, in left engine compartment
T16	16-pin connector, black, shelf centre console (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) 1, in dash panel wiring harness
277	Earth connection 3, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection 1 (X), in dash panel wiring harness

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Combi-processor in dash panel insert, speedometer sender, oil level and oil temperature sender, warning lamps

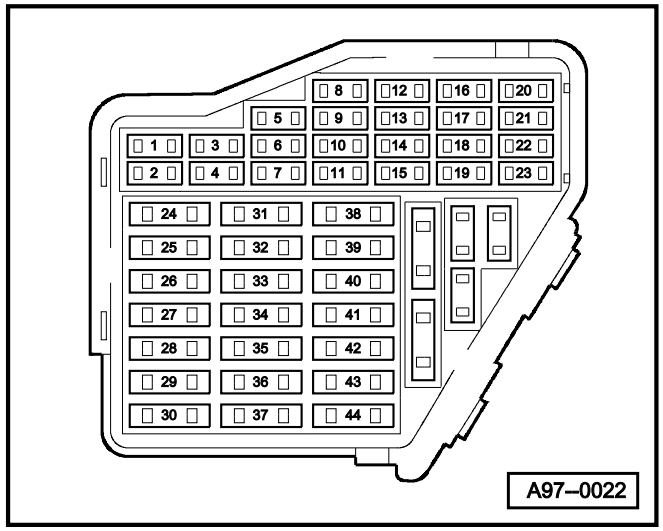
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level and oil temperature sender
J218	Combi-processor in dash panel insert
K2	Alternator warning lamp
K29	Glow period warning lamp
T14	14-pin connector, in left engine compartment
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
10	Earth point, in plenum chamber
A23	Connection (30al), in dash panel wiring harness
B149	Positive connection 2 (15a), in interior wiring harness
B178	Connection (speed signal), in interior wiring harness

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Airbags, side airbags and curtain airbags for driver's seat and front passenger's seat with belt tensioners

From model year 2001

Fuse box

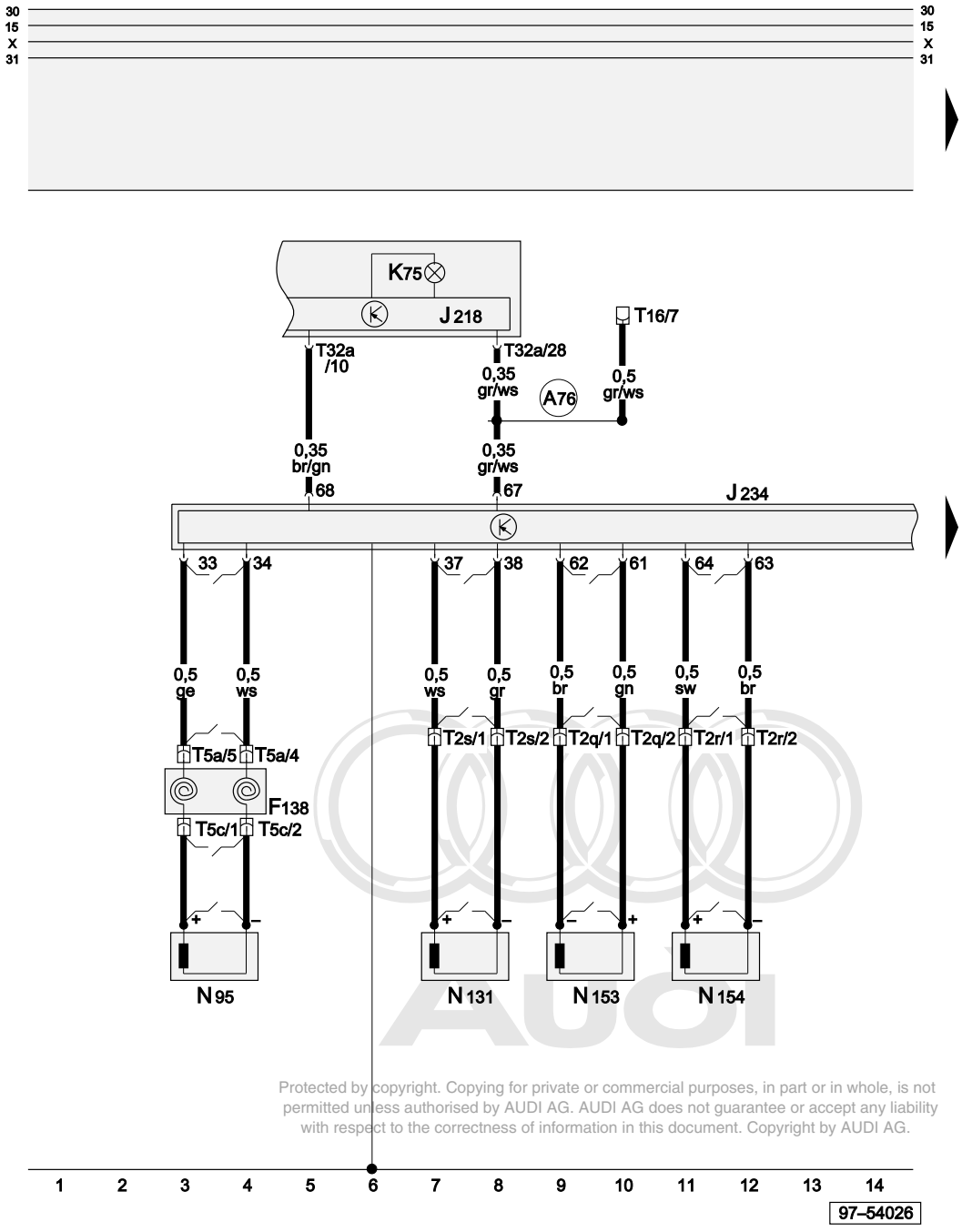


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours:

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

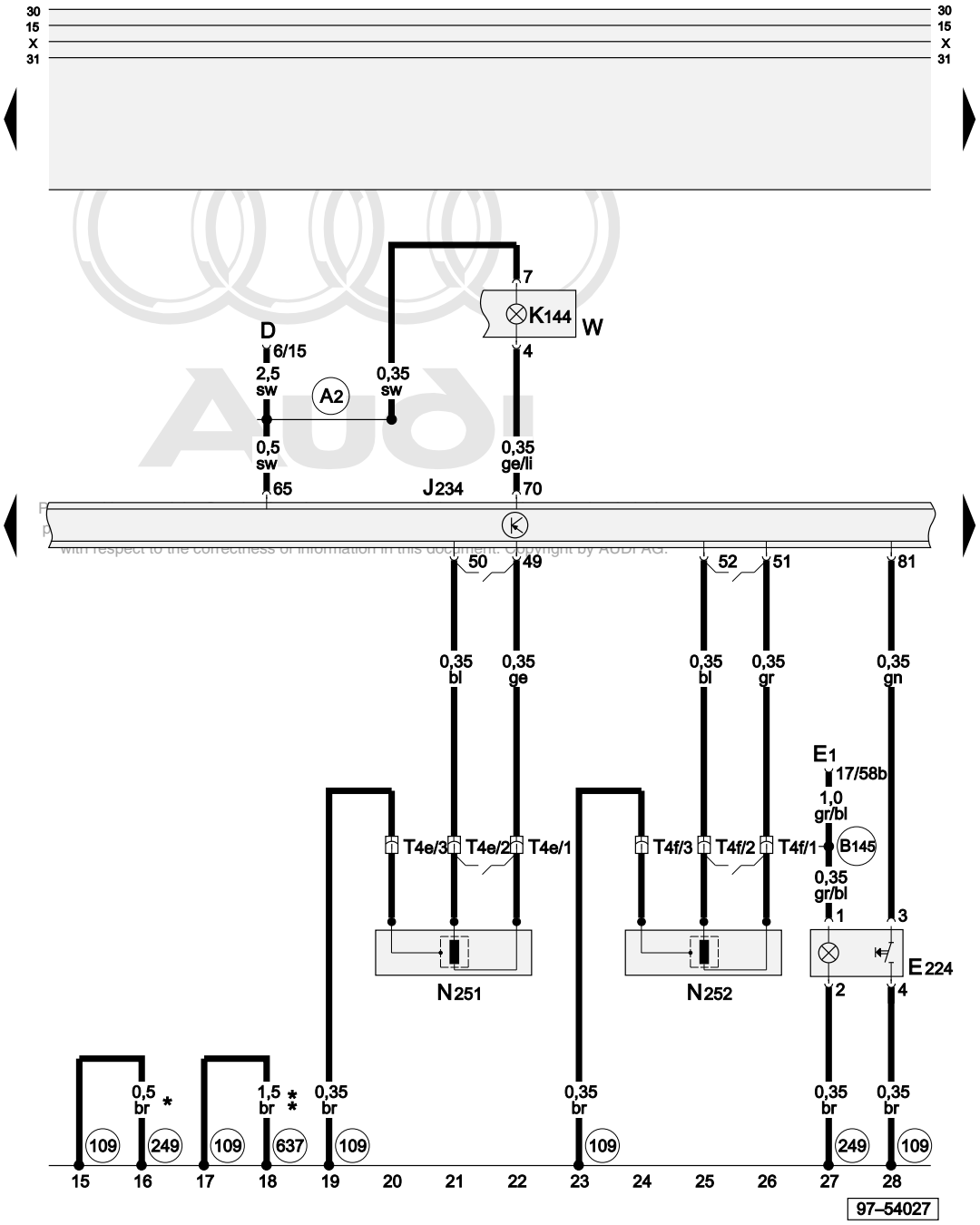


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Airbag igniters and belt tensioners

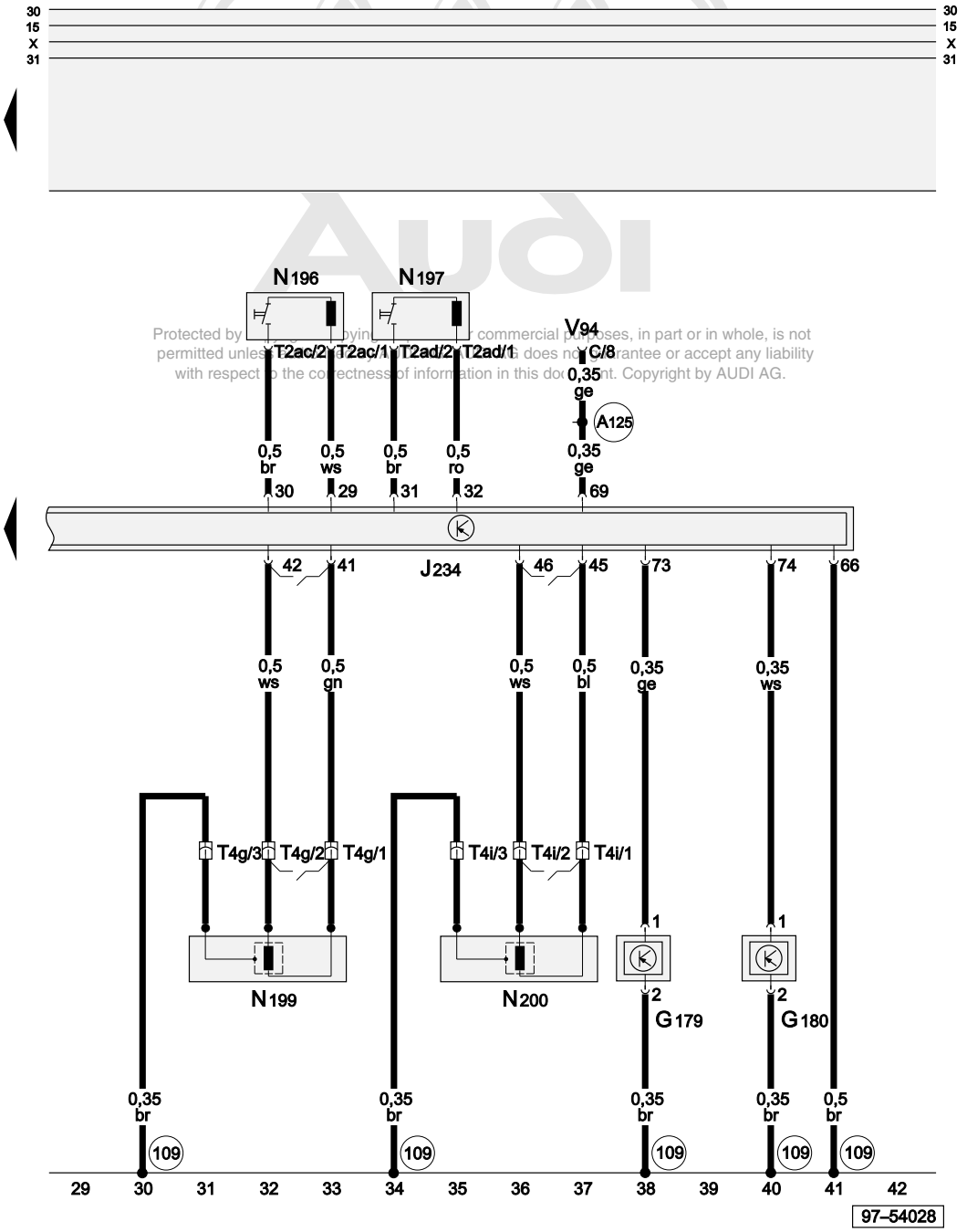
F138	Airbag coil connector, return spring with slip ring
J218	Combi-processor in dash panel insert
J234	Airbag control unit
K75	Airbag warning lamp
N95	Airbag igniter, driver's side
N131	Airbag igniter 1, front passenger's side
N153	Belt tensioner igniter -1-, driver's side
N154	Belt tensioner igniter -2-, front passenger's side
T32a	32-pin connector, green, on dash panel insert
T2q	2-pin connector, on lower part of left B pillar
T2r	2-pin connector, on lower part of right B pillar
T2s	2-pin connector, behind airbag unit
T5a	5-pin connector, yellow, vehicle interior, at steering column
T5c	5-pin connector, yellow, vehicle interior, in steering wheel
T16	16-pin connector, black, centre console compartment (diagnosis connector)
A76	Connection (diagnosis wire K), in dash panel wiring harness



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Airbag disabling key switch on front passenger's side, curtain airbag igniters

D	Ignition/starter switch
E1	Lighting switch
E224	Airbag disabling key switch, front passenger's side
J234	Airbag control unit
K144	Airbag disabled warning lamp, driver's side
N251	Curtain airbag igniter, driver's side
N252	Curtain airbag igniter, front passenger's side
T4e	4-pin connector, yellow, curtain airbag, under driver's seat
T4f	4-pin connector, yellow, curtain airbag, under front passenger's seat
W	Interior light, front
109	Earth connection, in airbag wiring harness
249	Earth connection -2-, in interior wiring harness
637	Earth point, airbag control unit
A2	Positive (+) connection (15), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	As of model year 2002 no longer fitted
**	Applicable for model year 2002 only



Side airbag crash sensors, igniters for rear belt tensioners and side airbags

G179	Side airbag crash sensor, driver's side
G180	Side airbag crash sensor, front passenger's side
J234	Airbag control unit
N196	Rear belt tensioner igniter, driver's side
N197	Rear belt tensioner igniter, front passenger's side
N199	Side airbag igniter, driver's side
N200	Side airbag igniter, front passenger's side
T2ac	2-pin connector, under driver's seat
T2ad	2-pin connector, under front passenger's seat
T4g	4-pin connector, yellow, side airbag, under driver's seat
T4i	4-pin connector, yellow, side airbag, under front passenger's seat
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
109	Earth connection, in airbag wiring harness
A125	Connection (crash signal), in dash panel wiring harness

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Trailer towing attachment

from model year 2001

Notes:

For information concerning

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

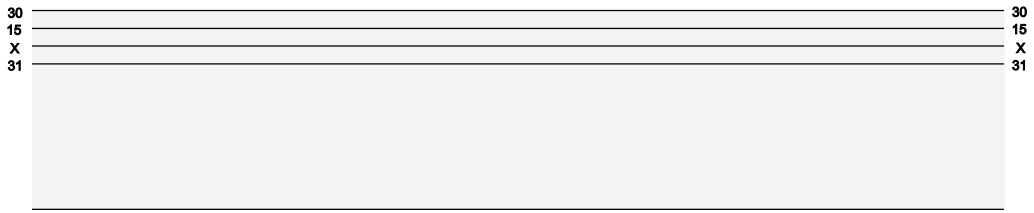
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

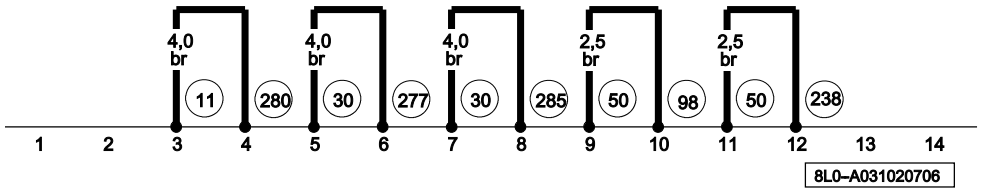
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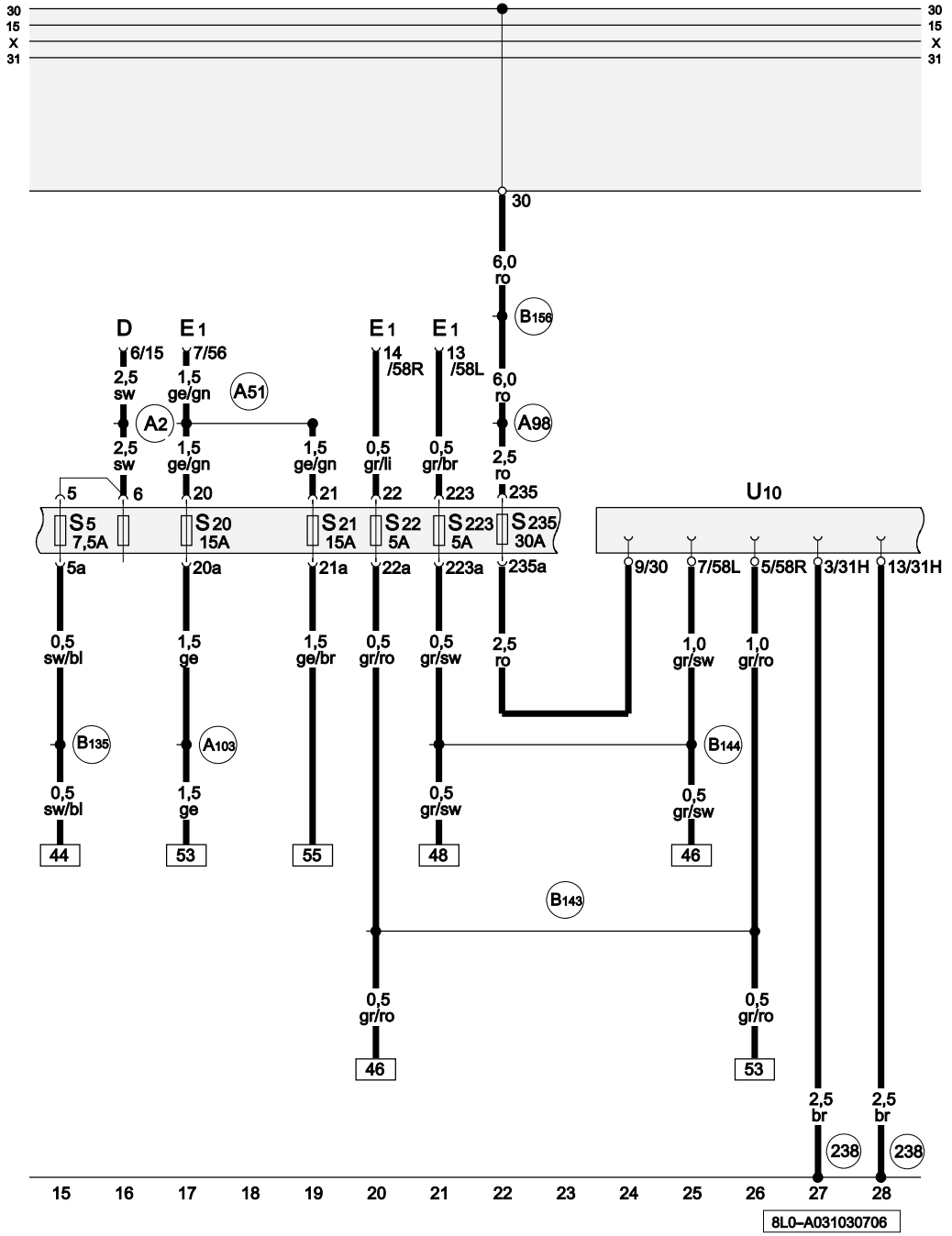
Earth points and earth connections

11	Earth point, in battery box
30	Earth point 1, next to relay plate
50	Earth point, on left in luggage compartment
98	Earth connection, in rear lid wiring harness
238	Earth connection 1, in interior wiring harness
277	Earth connection 3, in interior wiring harness
280	Earth connection, in communications wiring harness
285	Earth connection 7, in interior wiring harness

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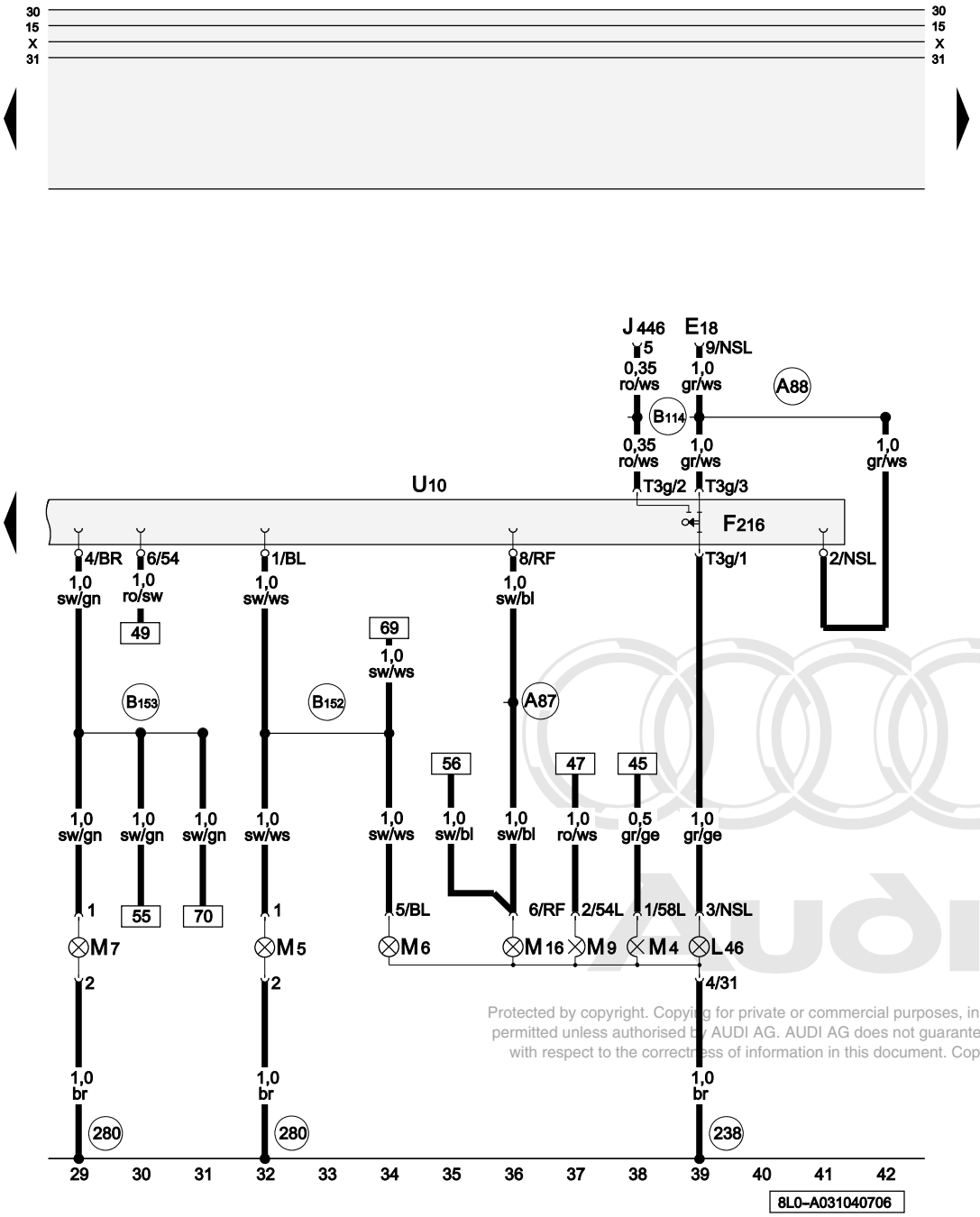
Fuses

D	Ignition/starter switch
E1	Light switch
S5	Fuse in relay plate fuse holder
S20	Fuse in relay plate fuse holder
S21	Fuse in relay plate fuse holder
S22	Fuse in relay plate fuse holder
S223	Fuse in fuse holder
S235	Fuse in fuse holder
U10	Trailer socket

238	Earth connection 1, in interior wiring harness
A2	Positive connection (15), in dash panel wiring harness
A51	Connection (56), in dash panel wiring harness
A98	Positive connection 4 (30), in dash panel wiring harness
A103	Connection 2 (56), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness
B156	Positive connection (30a), in interior wiring harness

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or	=	orange
rs	=	pink

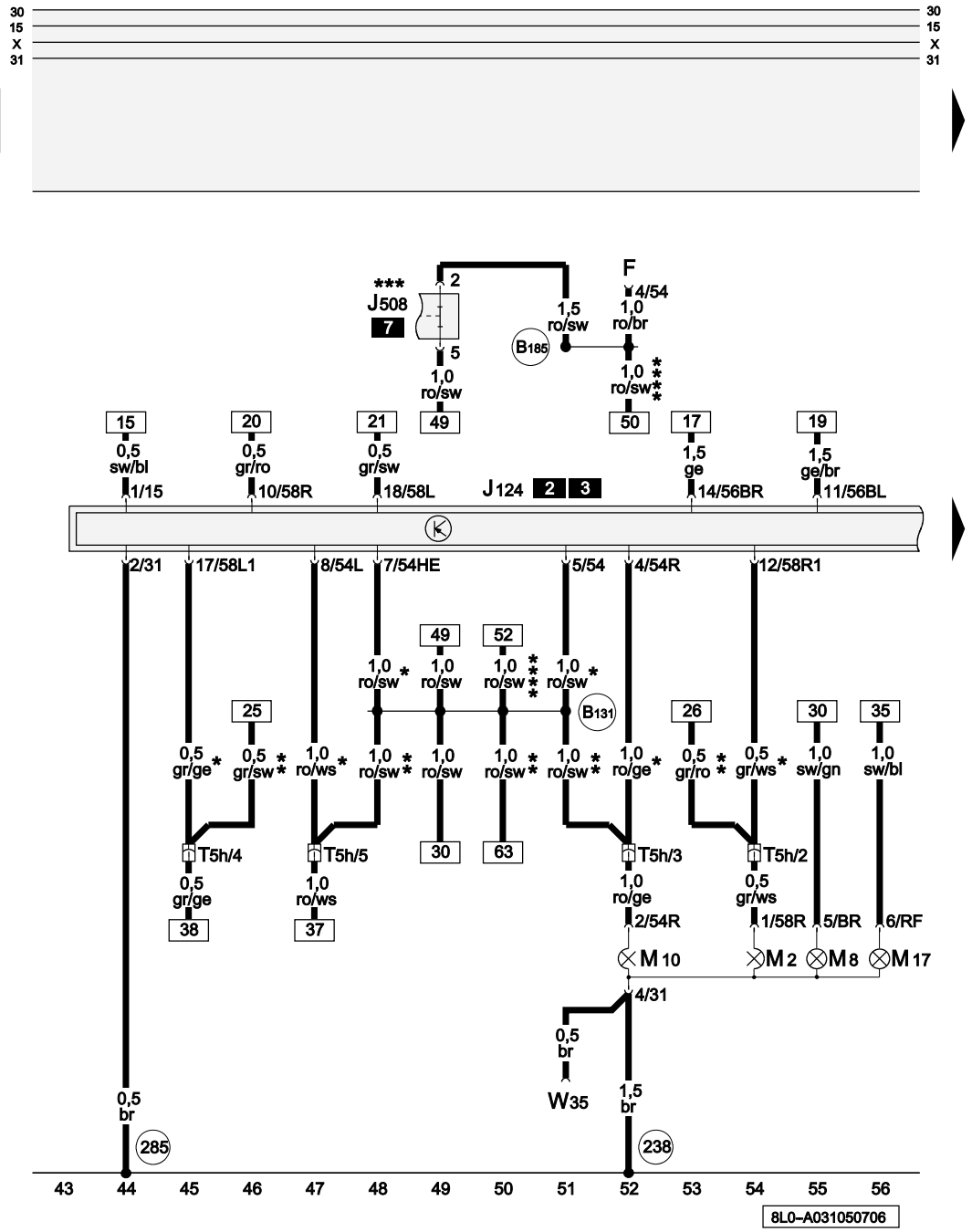


Rear left bulbs

E18	Rear fog light switch
F216	Rear fog light cut-out contact switch
J446	Parking aid control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M5	Front left turn signal bulb
M6	Rear left turn signal bulb
M7	Front right turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
U10	Trailer socket
238	Earth connection 1, in interior wiring harness
280	Earth connection, in communications wiring harness
A87	Connection (RL), in dash panel wiring harness
A88	Connection (RFL), in dash panel wiring harness
B114	Connection (inhibitor switch), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior 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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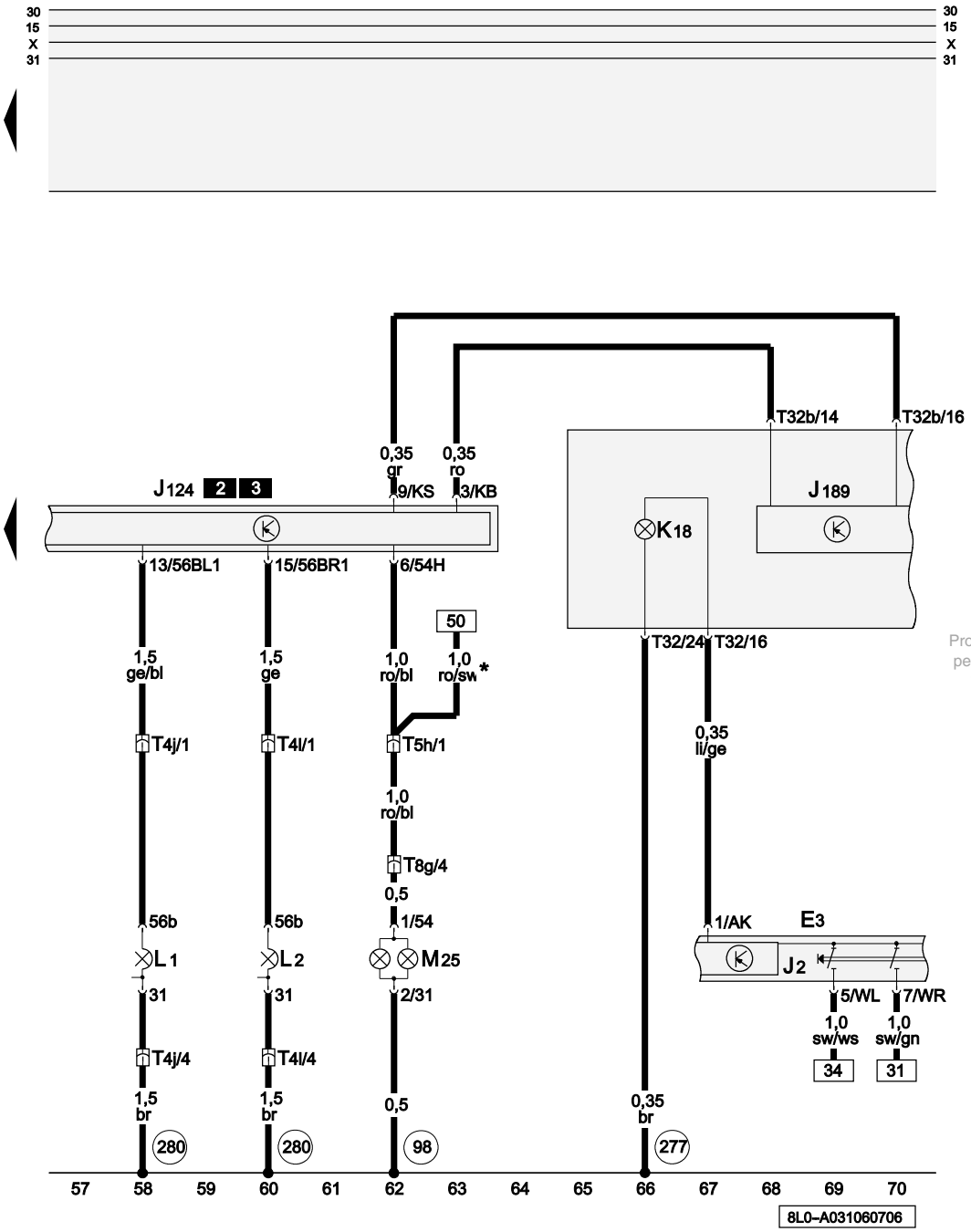


Rear right bulbs and bulb check warning unit

F	Brake light switch
J124	Rear bulb monitoring device
J508	Brake light suppression relay
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
T5h	5-pin connector, brown, A-pillar left, near relay plate
W35	Right luggage compartment light
238	Earth connection 1, in interior wiring harness
285	Earth connection 7, in interior wiring harness
B131	Connection (54), in interior wiring harness
B185	Connection 2 (54), in interior wiring harness
*	for models with bulb check warning unit only
**	for models without bulb check warning unit only
***	for models with anti-lock brake system (ABS) MK20
****	for models with anti-lock brake system (ABS) MK60 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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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Auto-check system, bulb check warning unit, left and right twin filament bulb

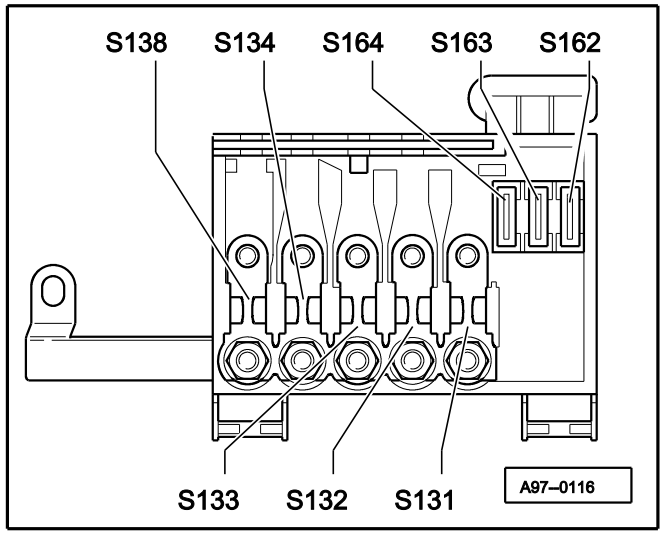
E3	Hazard warning light switch
J2	Hazard warning light relay
J124	Rear bulb monitoring device
J189	Auto-check system
K18	Trailer operation warning lamp
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M25	High level brake light bulb
T4j	4-pin connector, left headlight
T4l	4-pin connector, right headlight
T5h	5-pin connector, brown, A-pillar left, near relay plate
T8g	8-pin connector, brown, on left in luggage compartment
T32	32-pin connector, blue, on dash panel insert
T32b	32-pin connector, grey, on dash panel insert
(98)	Earth connection, in rear lid wiring harness
(277)	Earth connection 3, in interior wiring harness
(280)	Earth connection, in communications wiring harness
*	for models without bulb check warning unit only

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Anti-lock brake system (ABS), traction control system (ASR/TCS), electronic differential lock (EDL) and electronic stability program (ESP) for MK60 control unit

From model year 2002

Main fuse box/battery

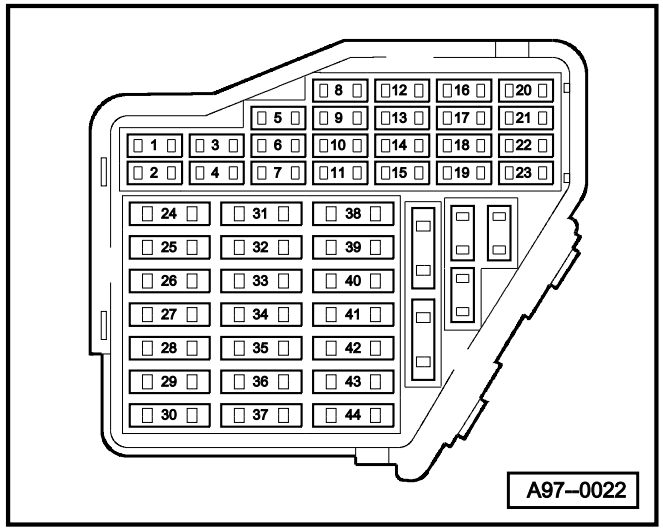


♦ On battery, in engine compartment, front left

Position of fuses
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - Fuse -1- (30), in fuse box/battery
S163 - Fuse -2- (30), in fuse box/battery
S164 - Fuse -3- (30), in fuse box/battery

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Fuse box



- Dash panel, driver's side

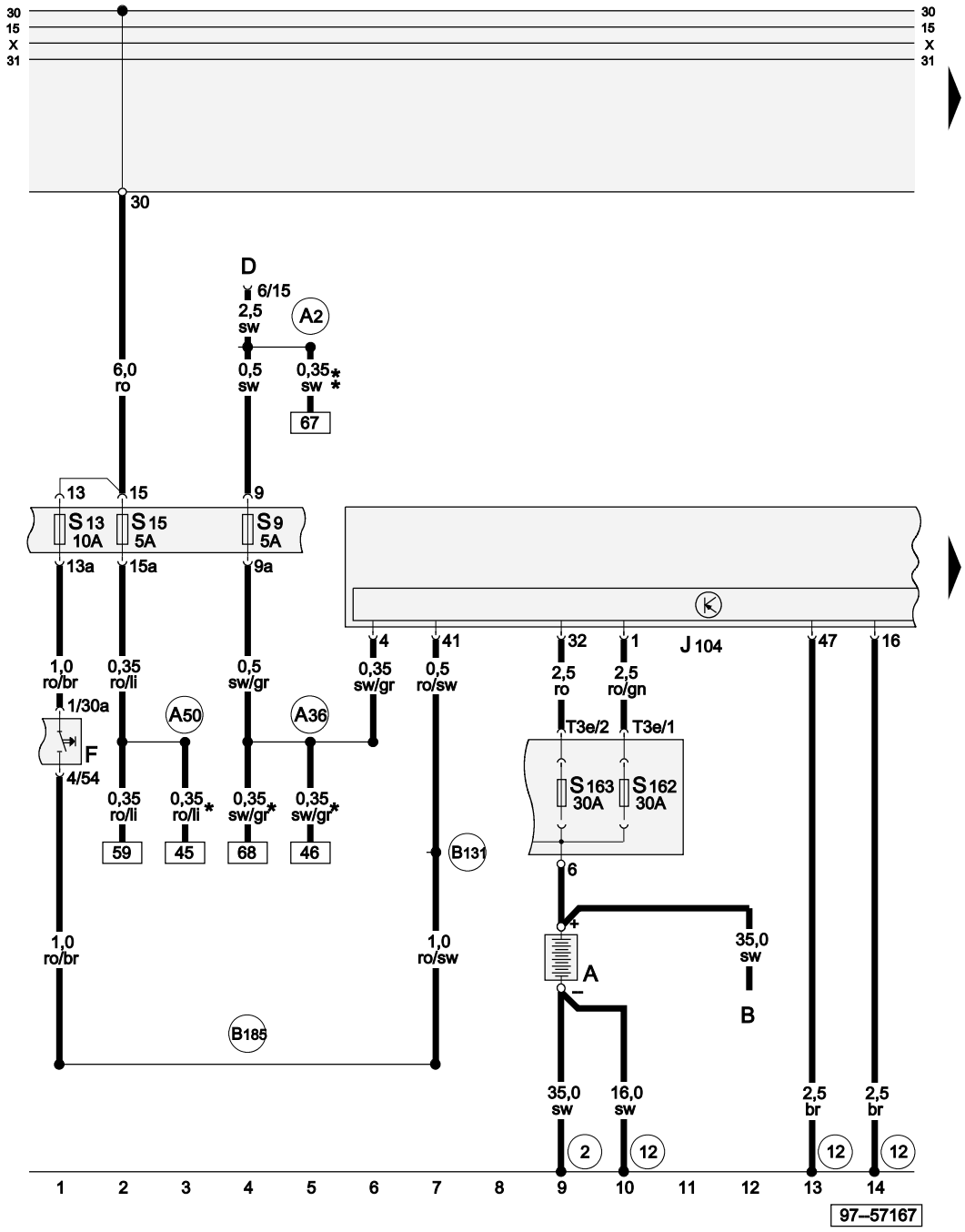
Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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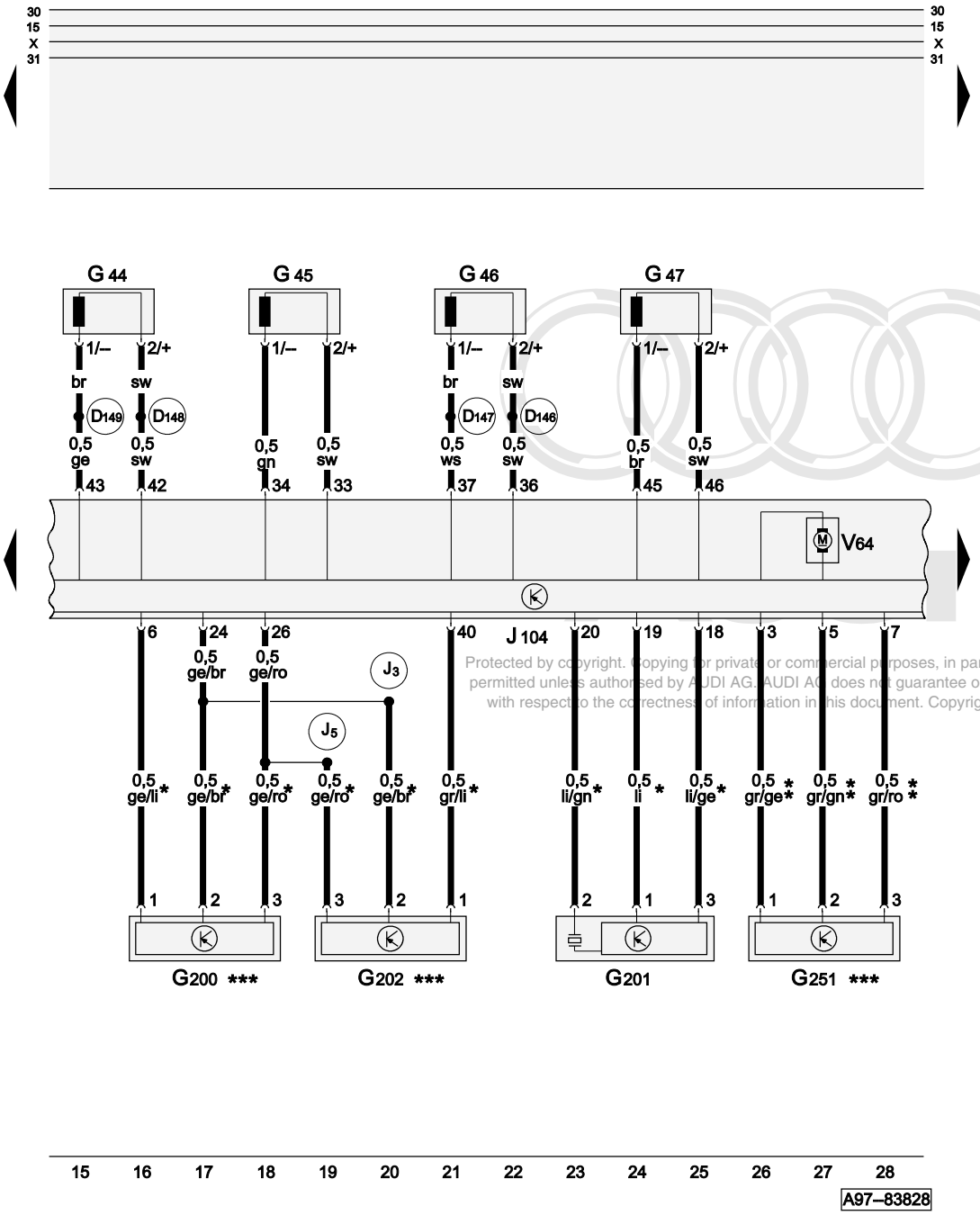


Voltage supply, brake light switch

A	Battery
B	Starter
D	Ignition/starter switch
F	Brake light switch
J104	ABS with EDL control unit
S9	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S15	Fuse in fuse box/relay plate
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
T3e	3-pin connector, black, on main fuse box
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left
A2	Positive (+) connection (15), in dash panel wiring harness
A36	Connection (75a), in dash panel wiring harness
A50	Positive (+) connection (30as), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only applies to models with ESP
**	Only applies to models with ASR/TCS

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

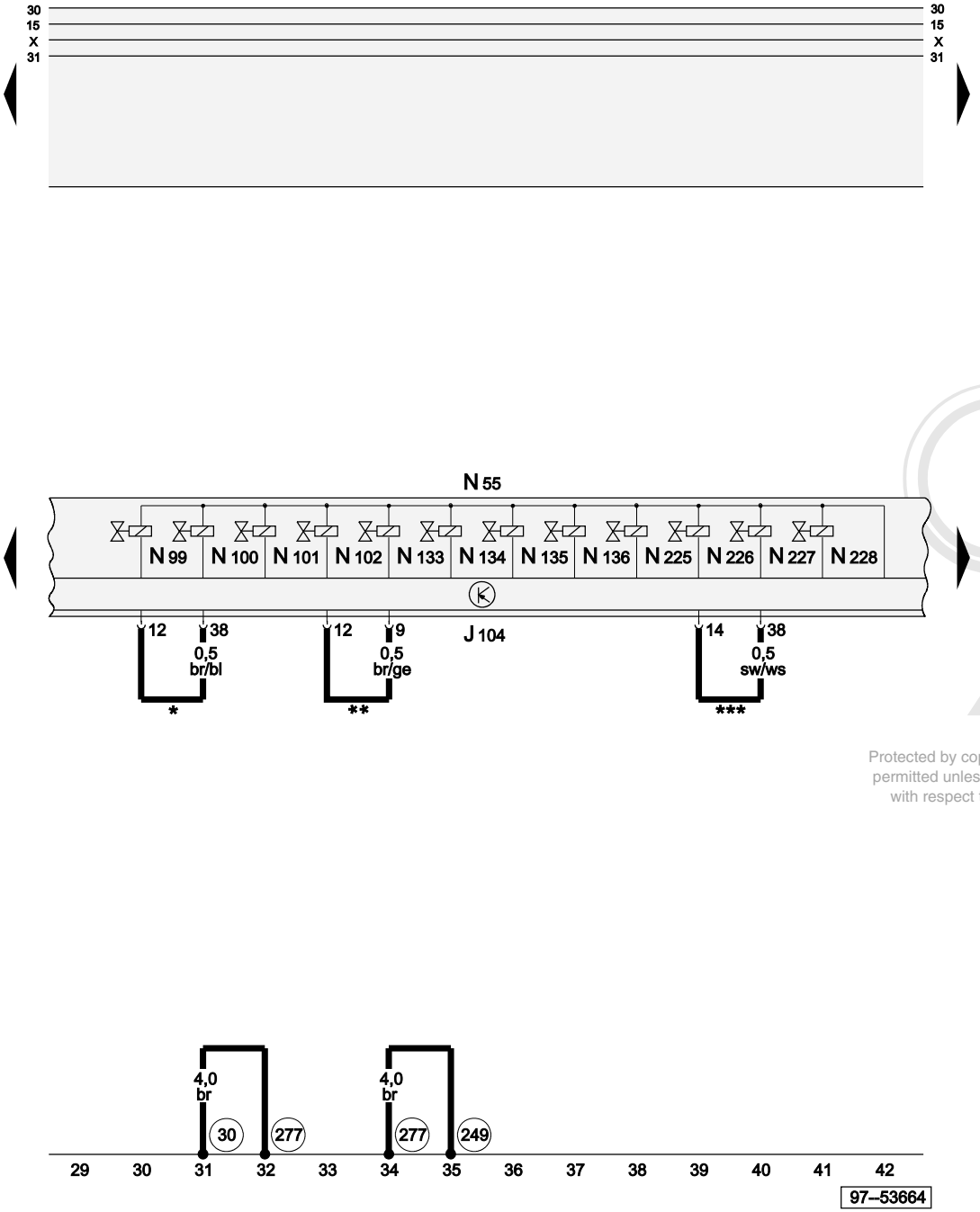


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or = orange
rs = pink

Speed sensors, lateral acceleration sender, brake pressure sender -1-, yaw rate sender, longitudinal acceleration sender, ABS hydraulic pump

G44	Rear right speed sensor
G45	Front right speed sensor
G46	Rear left speed sensor
G47	Front left speed sensor
G200	Lateral acceleration sender
G201	Brake pressure sender -1-
G202	Yaw rate sender
G251	Longitudinal acceleration sender
J104	ABS with EDL control unit
V64	ABS hydraulic pump
D146	Connection (rear left speed sensor +), in engine compartment wiring harness
D147	Connection (rear left speed sensor -), in engine compartment wiring harness
D148	Connection (rear right speed sensor +), in engine compartment wiring harness
D149	Connection (rear right speed sensor -), in engine compartment wiring harness
J3	Connection -1-, in ABS wiring harness
J5	Connection -2-, in ABS wiring harness
*	Only applies to models with ESP
**	Only applies to models with four-wheel drive, only equipped with ESP and ABS
***	As of November 2001 no longer fitted

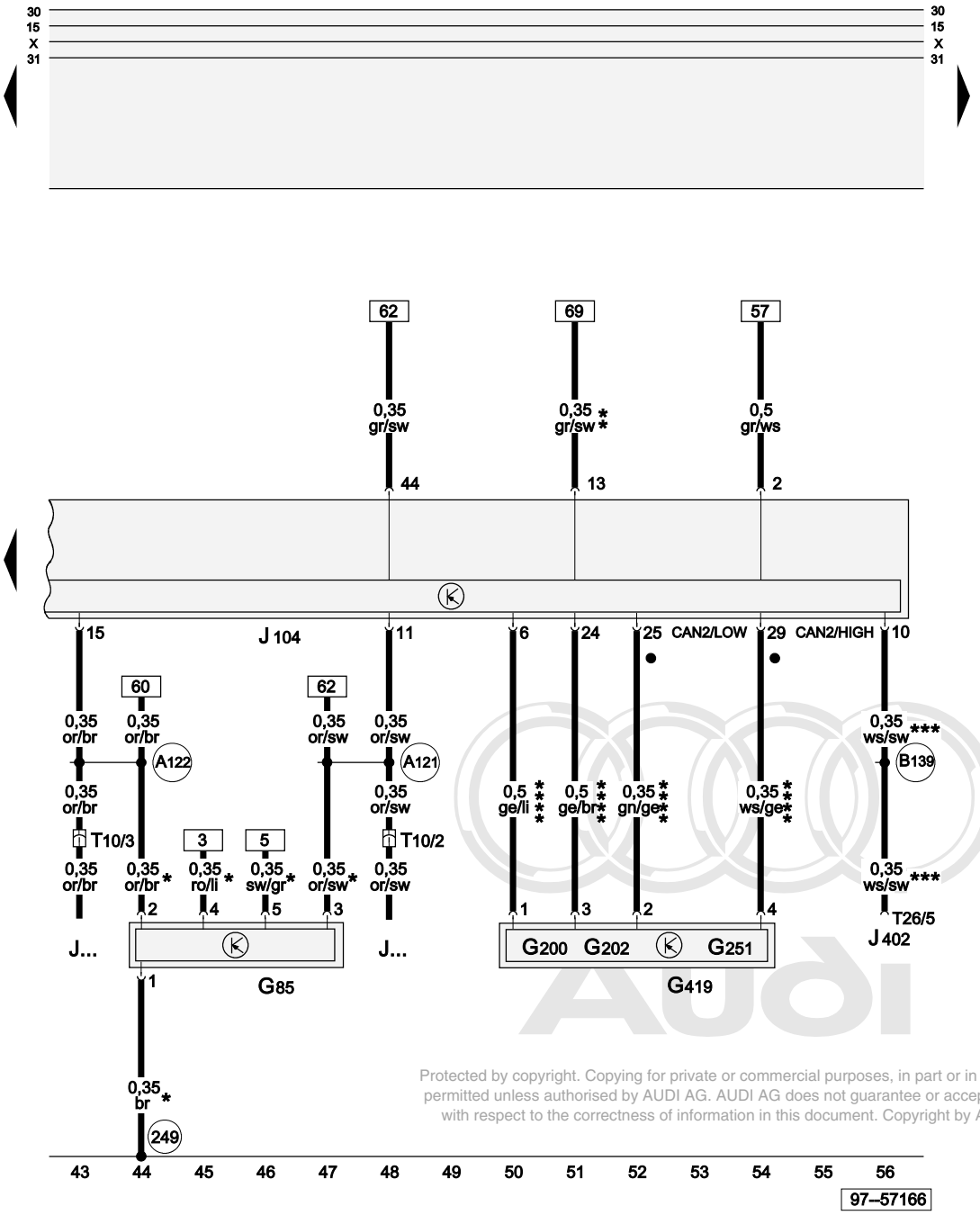


ABS hydraulic unit, switch valves

J104	ABS with EDL control unit
N55	ABS hydraulic unit
N99	ABS inlet valve, front right
N100	ABS outlet valve, front right
N101	ABS inlet valve, front left
N102	ABS outlet valve, front left
N133	ABS inlet valve, rear right
N134	ABS inlet valve, rear left
N135	ABS outlet valve, rear right
N136	ABS outlet valve, rear left
N225	Electronic stabilisation program switch valve -1-
N226	Electronic stabilisation program switch valve -2-
N227	Electronic stabilisation program high pressure valve -1-
N228	Electronic stabilisation program high pressure valve -2-
30	Earth point -1-, next to relay plate
249	Earth connection -2-, in interior wiring harness
277	Earth connection -3-, in interior wiring harness
*	Only applies to models with front-wheel drive and ESP
**	Only applies to models with four-wheel drive and ESP
***	Only applies to models with ABS, ASR/TCS and EDL

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

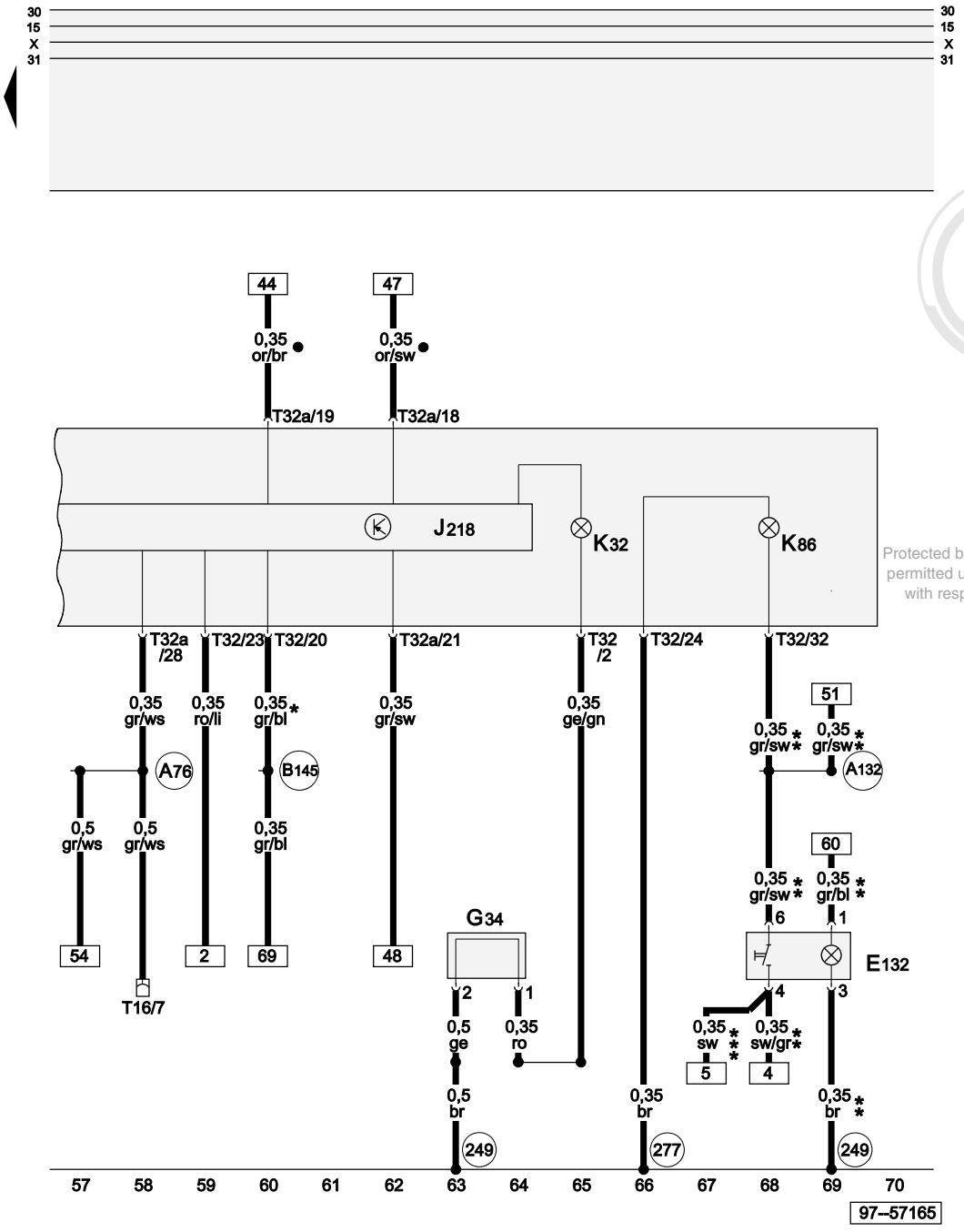


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
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Steering angle sender, ESP sensor unit

G85	Steering angle sender
G200	Lateral acceleration sender
G202	Yaw rate sender
G251	Longitudinal acceleration sender
G419	ESP sensor unit
J...	Engine control units
J104	ABS with EDL control unit
J402	Operating electronics control unit, navigation
T10	10-pin connector, white, engine compartment, -in plenum chamber
T26	26-pin connector, black, on radio
249	Earth connection -2-, in interior wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
B139	Connection (PL (parking light, left)), in interior wiring harness
*	Only applies to models with ESP
**	Only applies to models with ESP and ASR/TCS
***	Only applies to models with navigation system
****	From November 2001 onwards
•	CAN bus (data bus)

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

Traction control system switch, warning lamps, dash panel insert

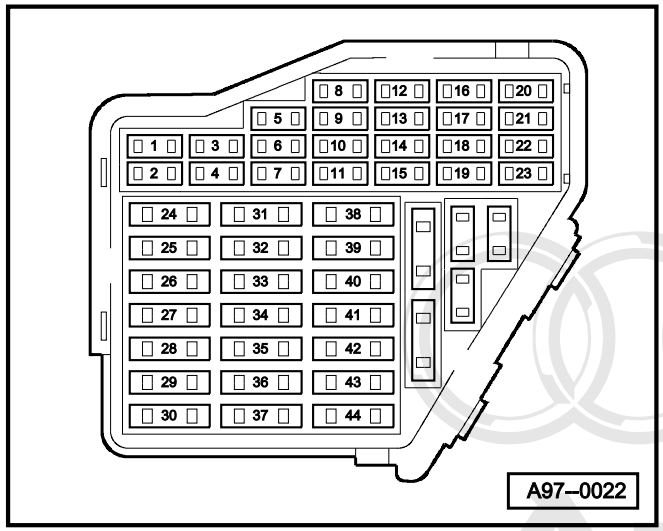
E132	Traction control system switch
G34	Brake lining/pad wear sender, front left
J218	Combi-processor in dash panel insert
K32	Brake pad/lining warning lamp
K86	Traction control system warning lamp
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
249	Earth connection -2-, in interior wiring harness
277	Earth connection -3-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A132	Connection (TCS/ESP), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only applies to models with ESP and ASR/TCS
**	Only applies to models with ASR/TCS
•	CAN bus (data bus)

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CAN bus wires

From model year 2001

Fuse box



- Dash panel, driver's side

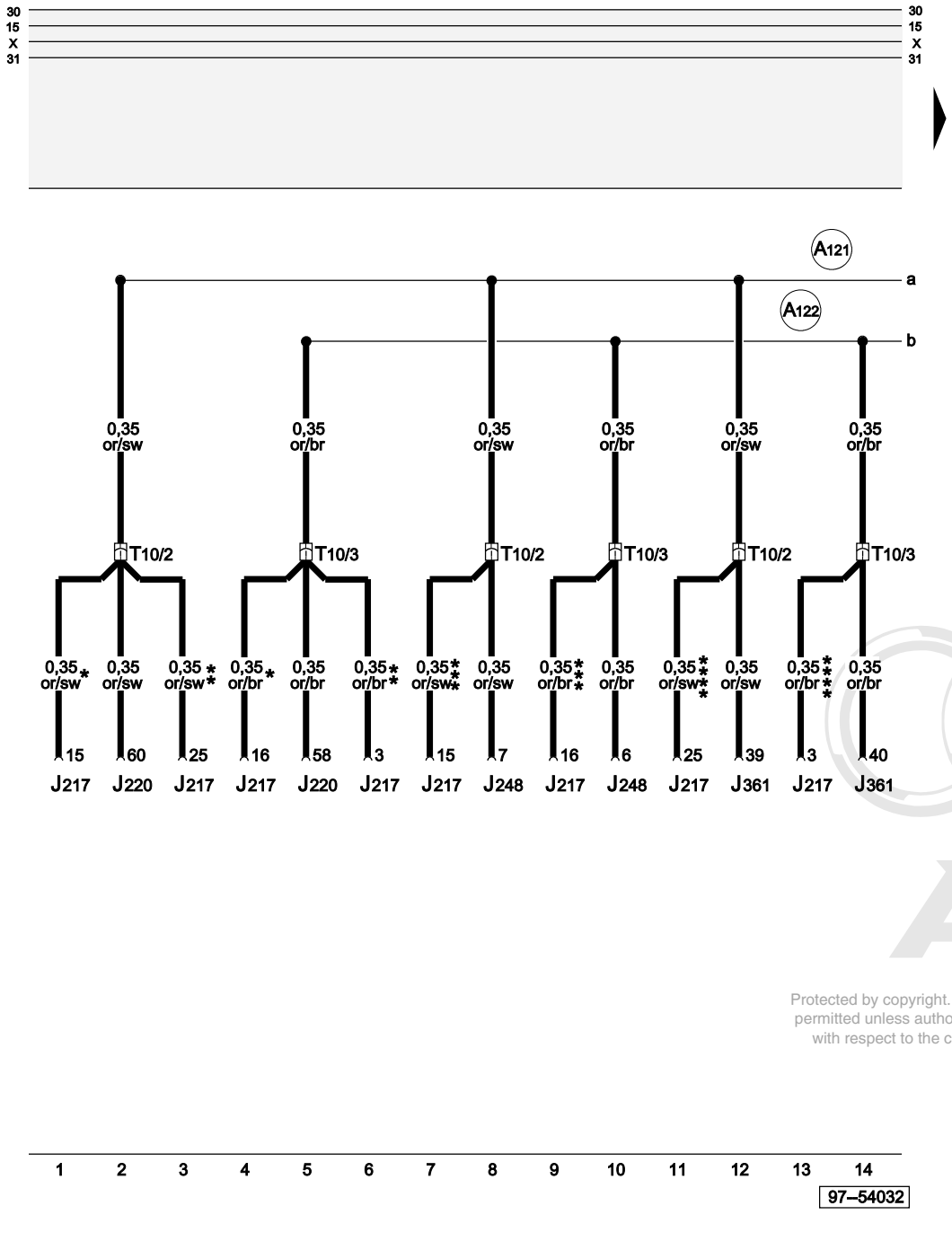
Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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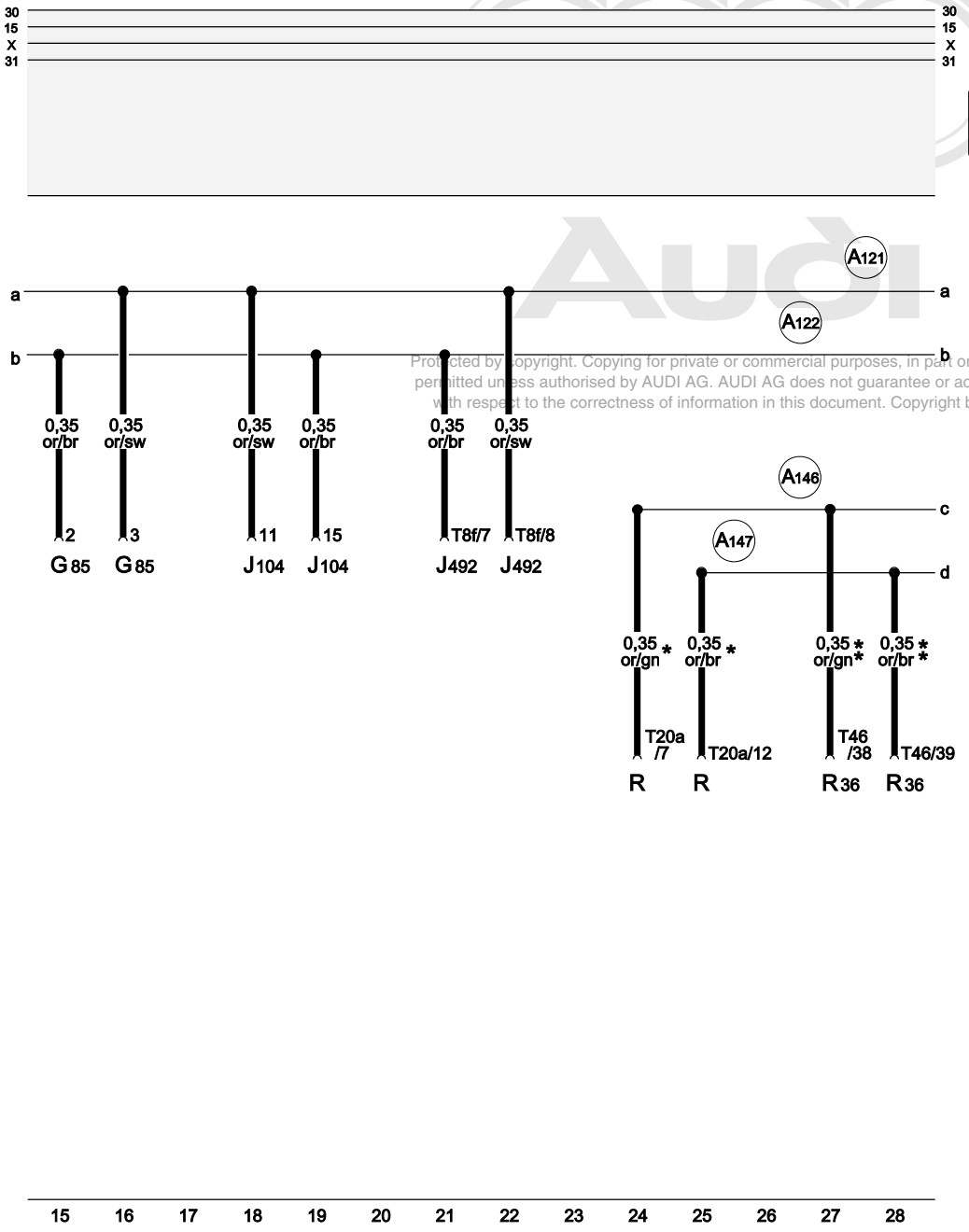


High bus and low bus in dash panel wiring harness

J217	Automatic gearbox control unit
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos control unit
T10	10-pin connector, white, in plenum chamber
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
*	Only applies to 5-speed automatic gearbox and engines with engine code AUQ, from November 2001 onwards: applicable for engine code AUM
**	Only applies to 4-speed automatic gearbox and engines with engine codes APG / AUM, as of November 2001 no longer fitted
***	Only applies to 5-speed automatic gearbox and engines with engine codes ATD, ASZ
****	Only applies to 4-speed automatic gearbox and engines with engine codes AVU, BFQ

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gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink

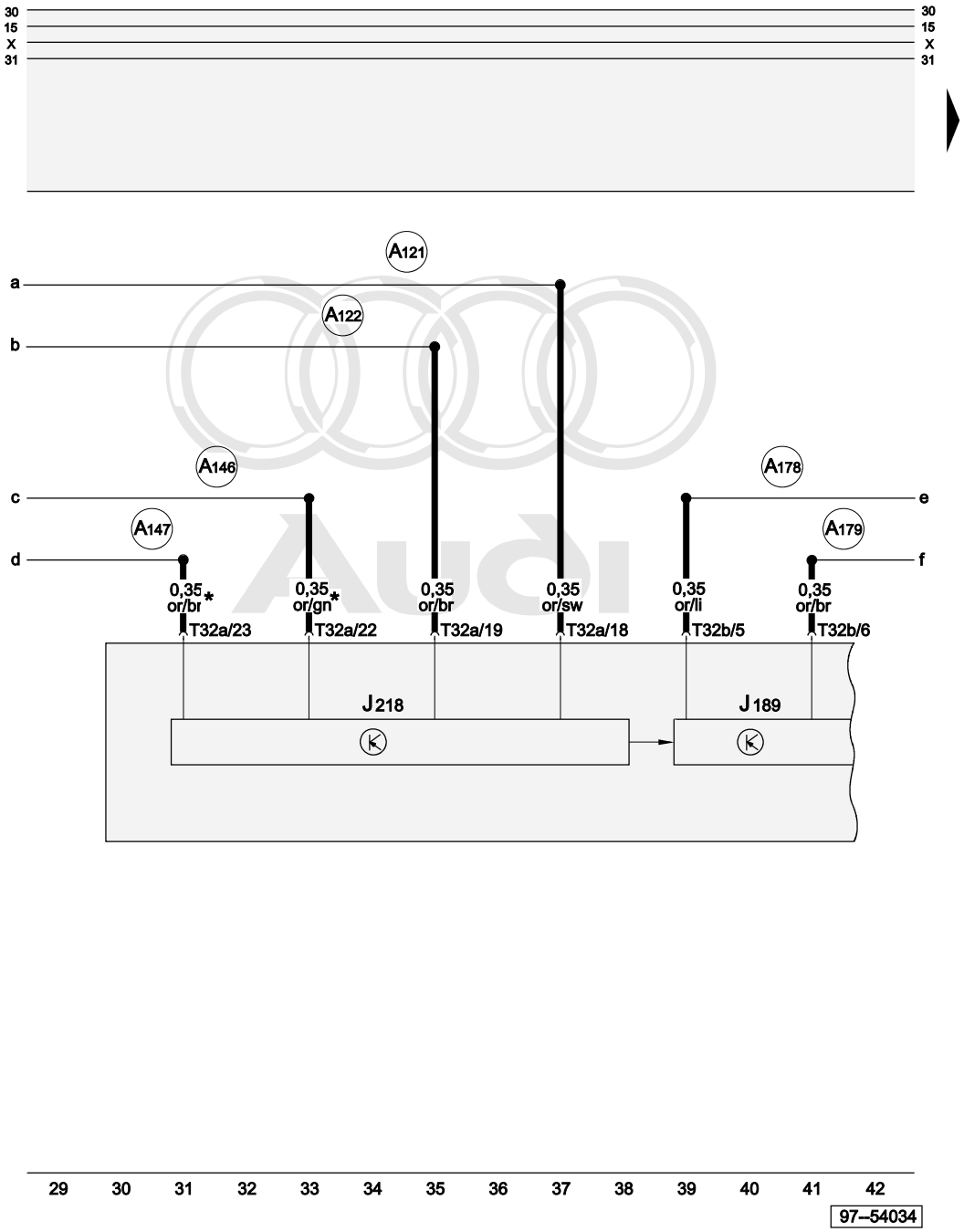


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High bus and low bus, convenience CAN bus in dash panel wiring harness

G85	Steering angle sender
J104	ABS with EDL control unit
J492	Four-wheel drive control unit
R	Radio
R36	Telephone transmitter and receiver unit
T8f	8-pin connector, black, on four-wheel drive control unit
T20a	20-pin connector, black, on radio
T46	46-pin connector, on telephone/telematics control unit
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
A146	Connection (convenience CAN bus, high), in dash panel wiring harness
A147	Connection (convenience CAN bus, low), in dash panel wiring harness
*	Does not apply to models with driver information system and from model year 2002 onwards
**	Does not apply to models with driver information system and from model year 2003 onwards

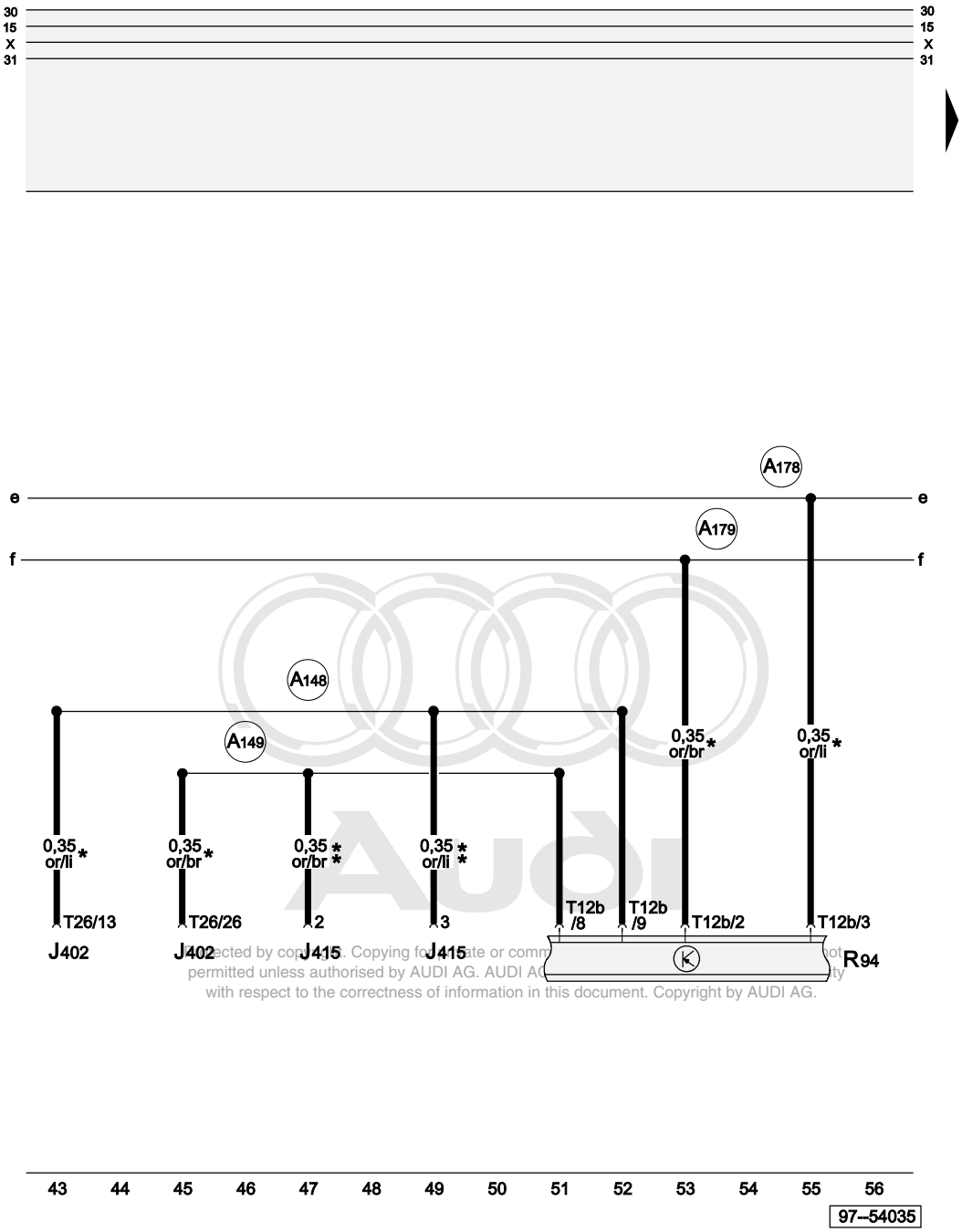
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Auto-check system, combi-processor in dash panel insert

J189	Auto-check system
J218	Combi-processor in dash panel insert
T32a	32-pin connector, green, on dash panel insert
T32b	32-pin connector, grey, on dash panel insert
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
A146	Connection (convenience CAN bus, high), in dash panel wiring harness
A147	Connection (convenience CAN bus, low), in dash panel wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
*	Does not apply to models with driver information system and from model year 2002 onwards

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

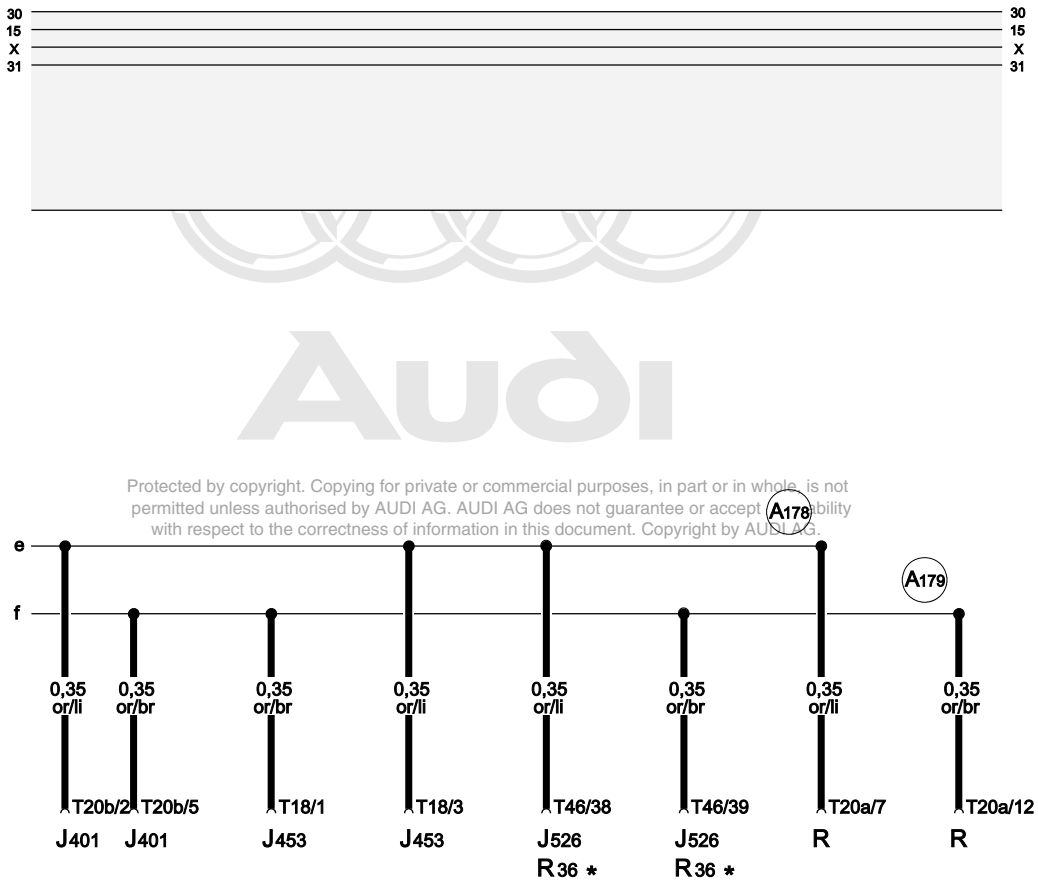


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Infotainment CAN bus, navigation CAN bus in dash panel wiring harness

J402	Operating electronics control unit, navigation
J415	Navigation/TV tuner
R94	Navigation interface
T12b	12-pin connector, at navigation interface
T26	26-pin connector, black, on navigation control unit
A148	Connection (navigation CAN bus, high), in dash panel wiring harness
A149	Connection (navigation CAN bus, low), in dash panel wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
*	Only applies to models with radio navigation system (RNS-D)
**	Only applies to models with radio navigation system (RNS-D) and TV tuner

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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Infotainment CAN bus in dash panel wiring harness

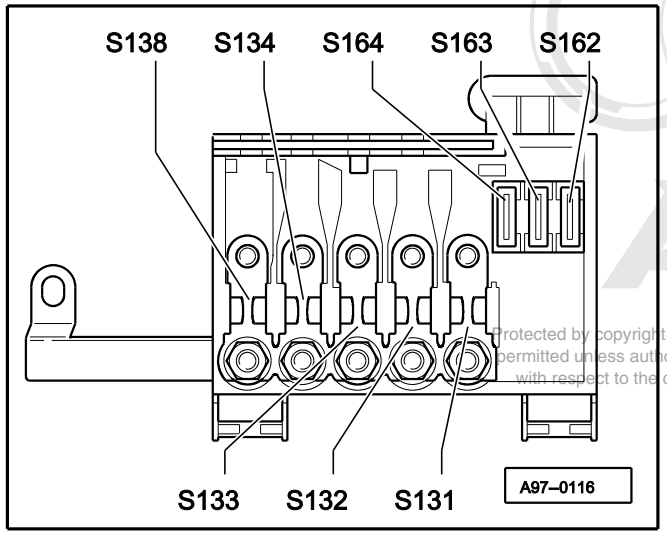
J401	Navigation system with CD drive control unit
J453	Multi-function steering wheel control unit
J526	Telephone/telematics control unit
R	Radio
R36	Telephone transmitter and receiver unit
T18	18-pin connector, on multi-function steering wheel control unit
T20a	20-pin connector, black, on radio
T20b	20-pin connector, black, on navigation control unit
T46	46-pin connector, on telephone/telematics control unit
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
*	Only applies to models with telephone

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

Navigation system "NS LOW" (7Q9)

From model year 2001

Main fuse box/battery

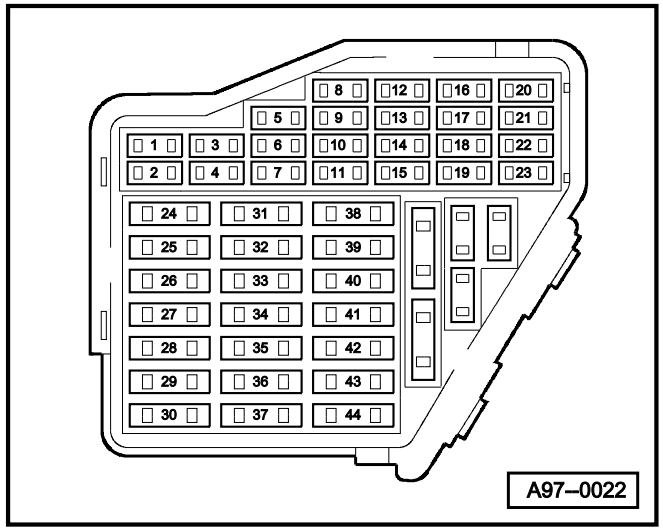


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- On battery, in engine compartment, front left

Position of fuses
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - Fuse -1- (30), in fuse box/battery
S163 - Fuse -2- (30), in fuse box/battery
S164 - Fuse -3- (30), in fuse box/battery

Fuse box



- Dash panel, driver's side

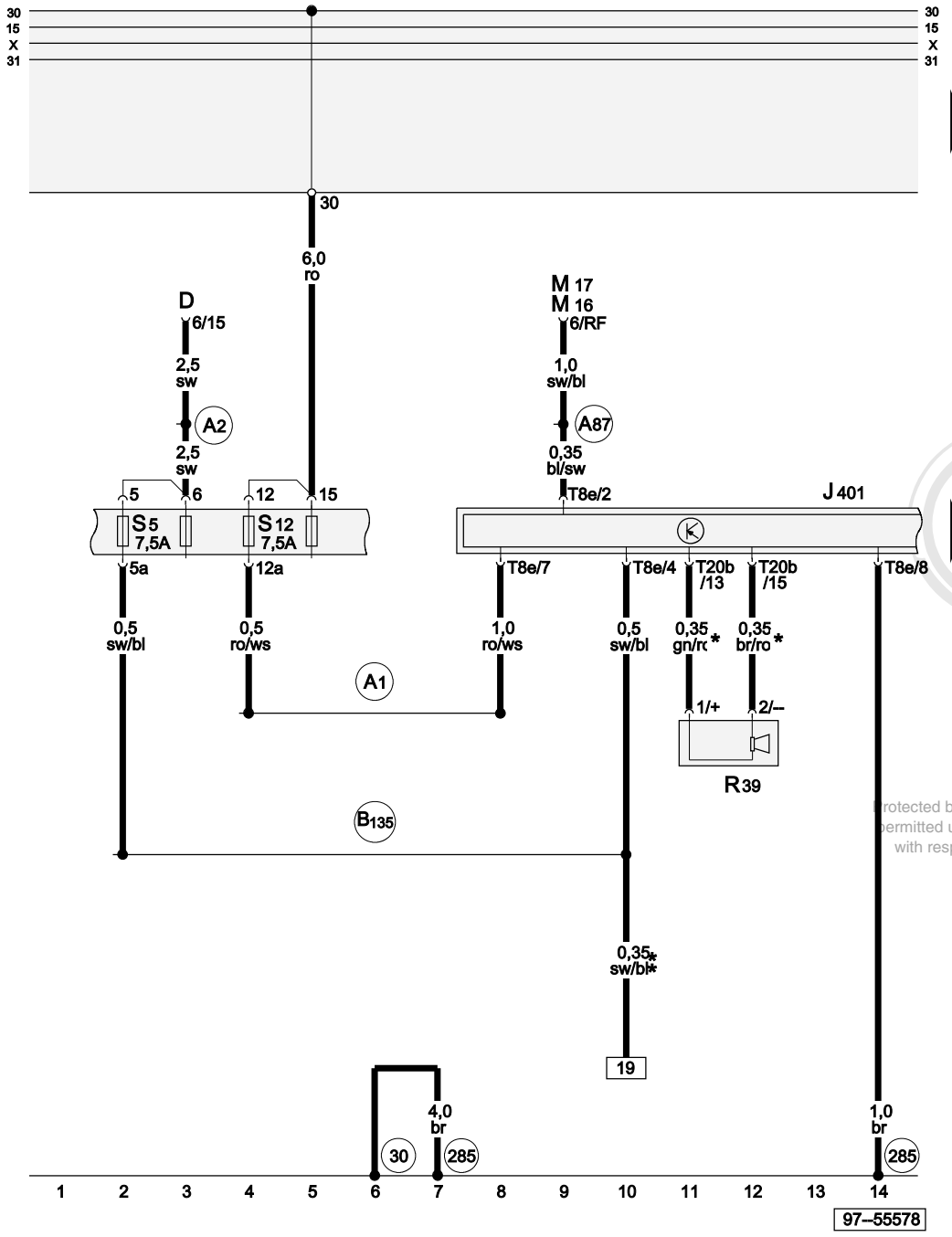
Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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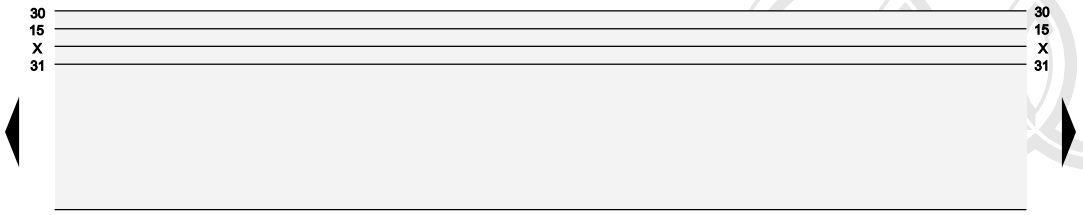


Fuses

D	Ignition/starter switch
J401	Navigation system with CD drive control unit
M16	Reversing light bulb, left
M17	Reversing light bulb, right
R39	Telephone/navigation systems loudspeaker
S5	Fuse in fuse box/relay plate
S12	Fuse in fuse box/relay plate
T8e	8-pin connector, black, on navigation control unit
T20b	20-pin connector, black, on navigation control unit
30	Earth point -1-, next to relay plate
285	Earth connection -7-, in interior wiring harness
A1	Positive (+) connection (30a), in dash panel wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A87	Connection (RF (reversing light)), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
*	Voice control system without radio, as of model year 2002 no longer fitted
**	As of model year 2002 no longer fitted

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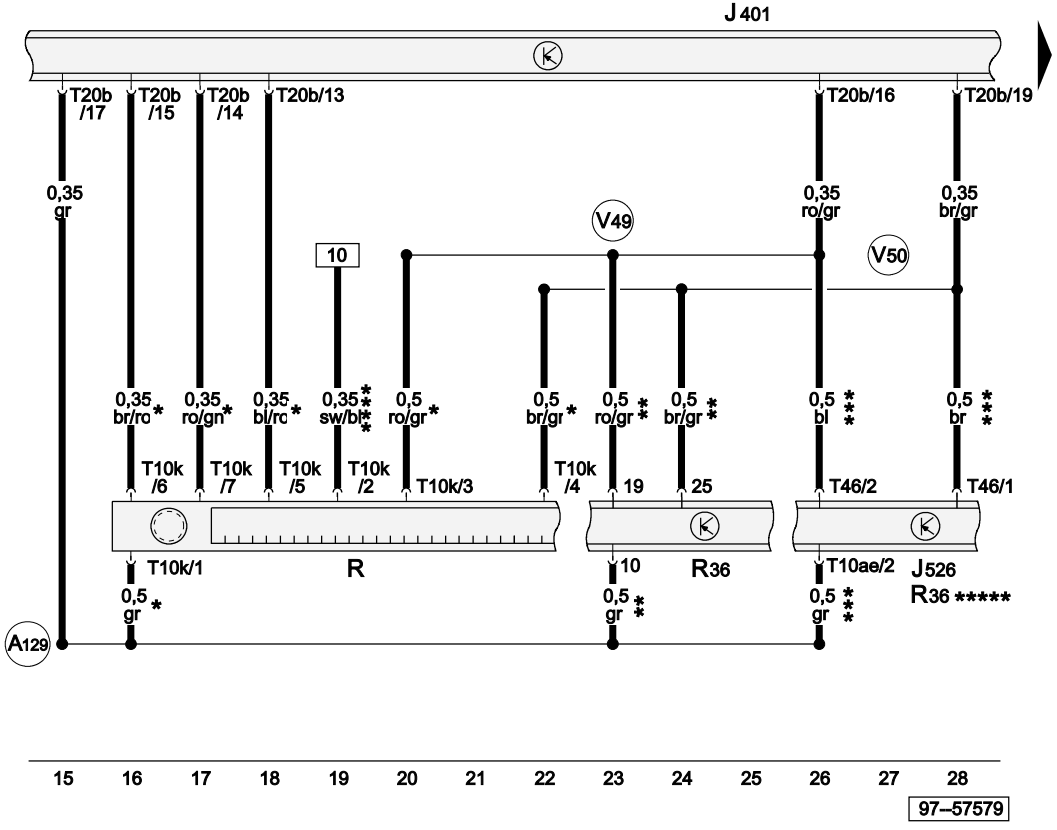
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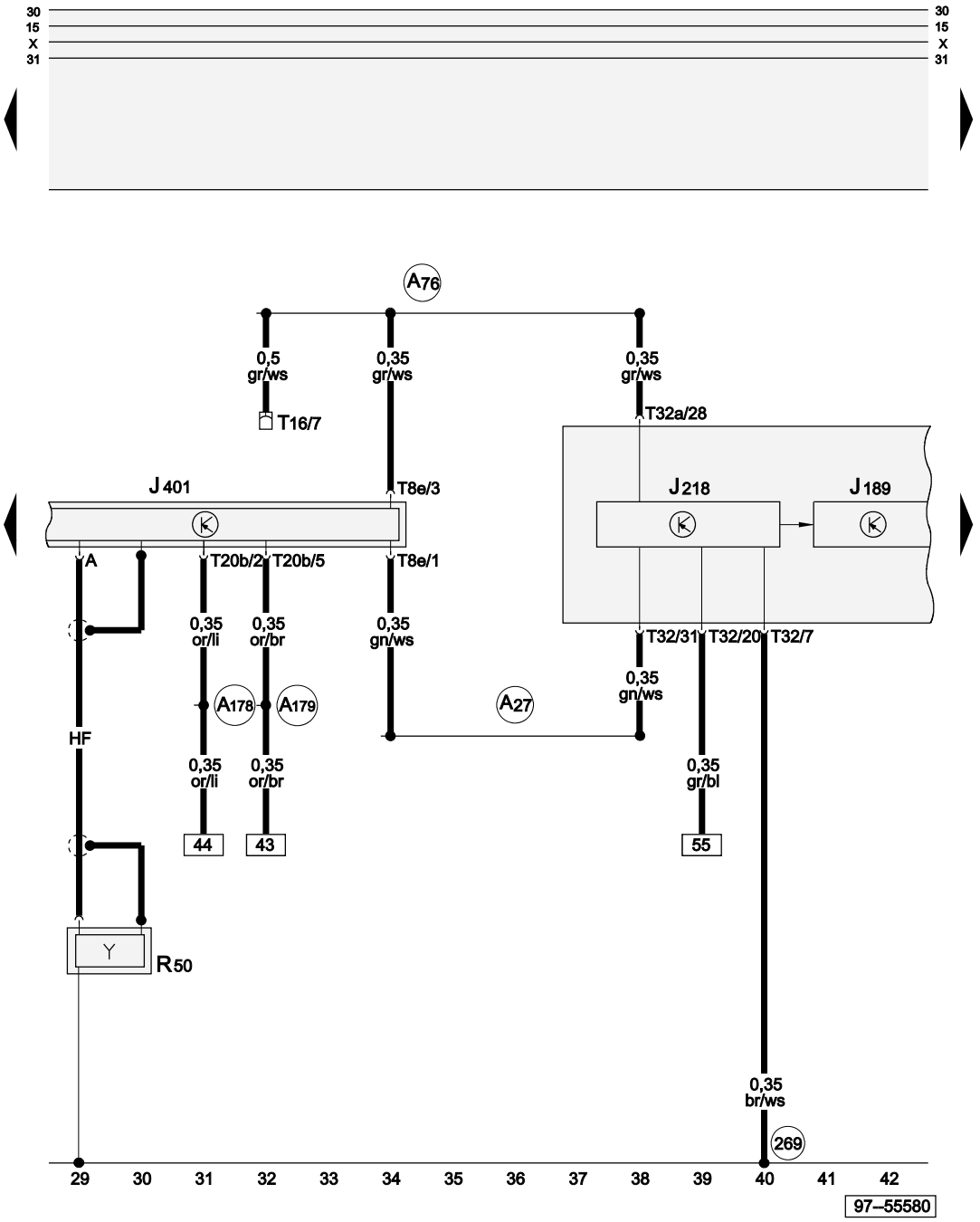
Radio muting on models with telephone/telematics

J401	Navigation system with CD drive control unit
J526	Telephone/telematics control unit
R	Radio
R36	Telephone transmitter and receiver unit
T10k	10-pin connector, red, on radio
T10ae	10-pin connector, on telephone/telematics control unit
T20b	20-pin connector, black, on navigation control unit
T46	46-pin connector, on telephone/telematics control unit
A129	Connection (muting), in dash panel wiring harness
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF -), in communication wiring harness
*	Models with radio
**	Models with telephone, as of model year 2002 no longer fitted
***	Models with telephone/telematics
****	As of model year 2002 no longer fitted
*****	From model year 2002 onwards

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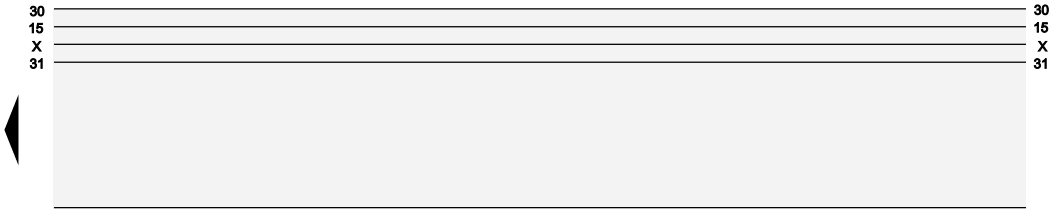


Navigation aerial (GPS), auto-check system, diagnostic connector, combi-processor in dash panel insert

J189	Auto-check system
J218	Combi-processor in dash panel insert
J401	Navigation system with CD drive control unit
R50	Navigation aerial (GPS)
T8e	8-pin connector, black, on navigation control unit
T20b	20-pin connector, black, on navigation control unit
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness

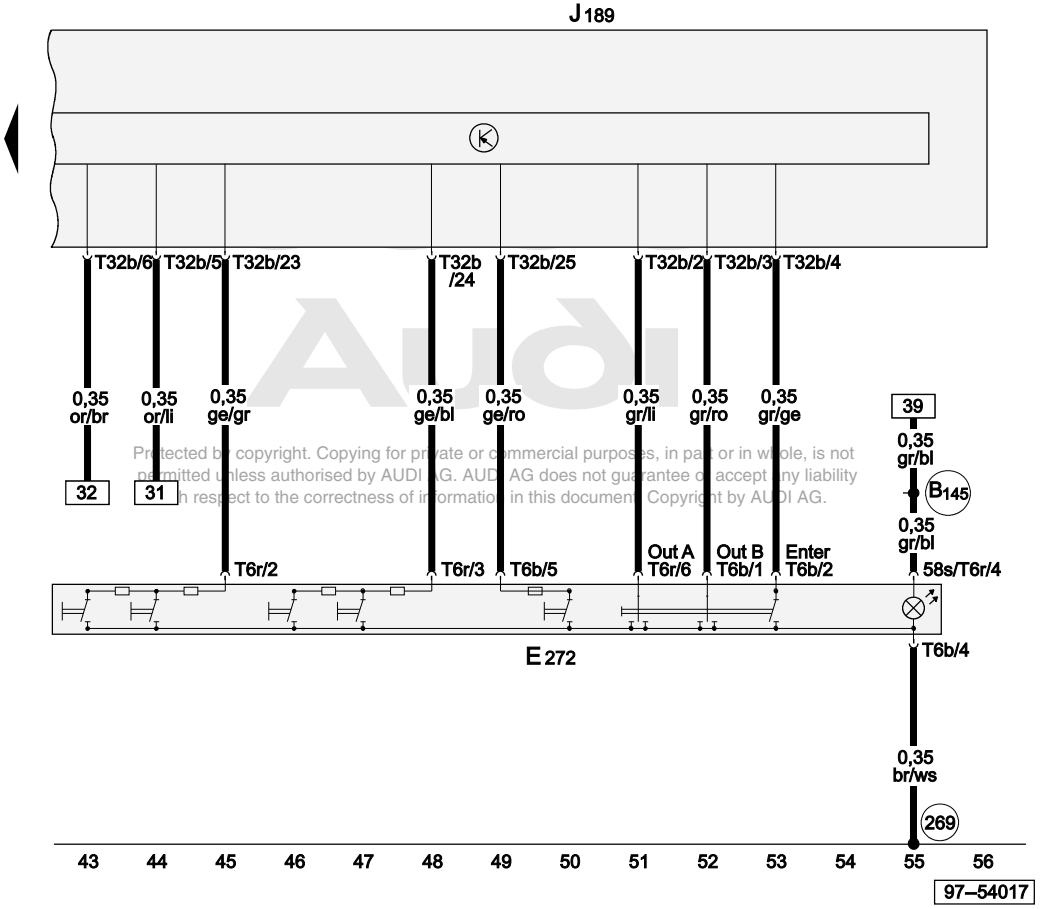
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Function selection switch II, auto-check system

E272	Function selection switch II
J189	Auto-check system
T6b	6-pin connector, brown, on function selection switch
T6r	6-pin connector, black, on function selection switch
T32b	32-pin connector, grey, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness



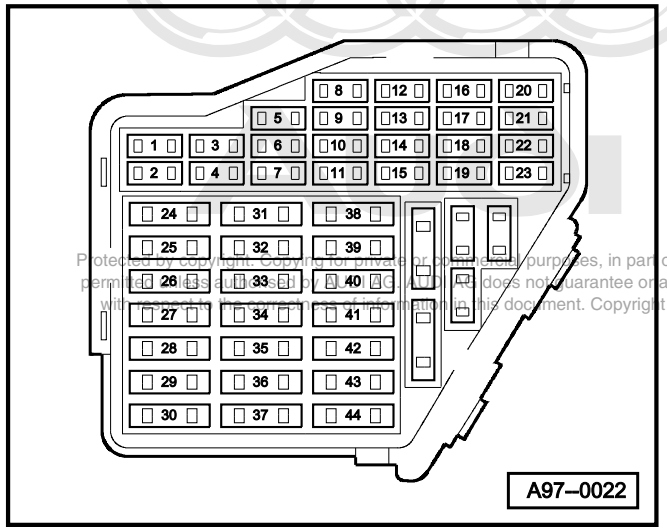
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Fog lights

From model year 2001

Fuse box

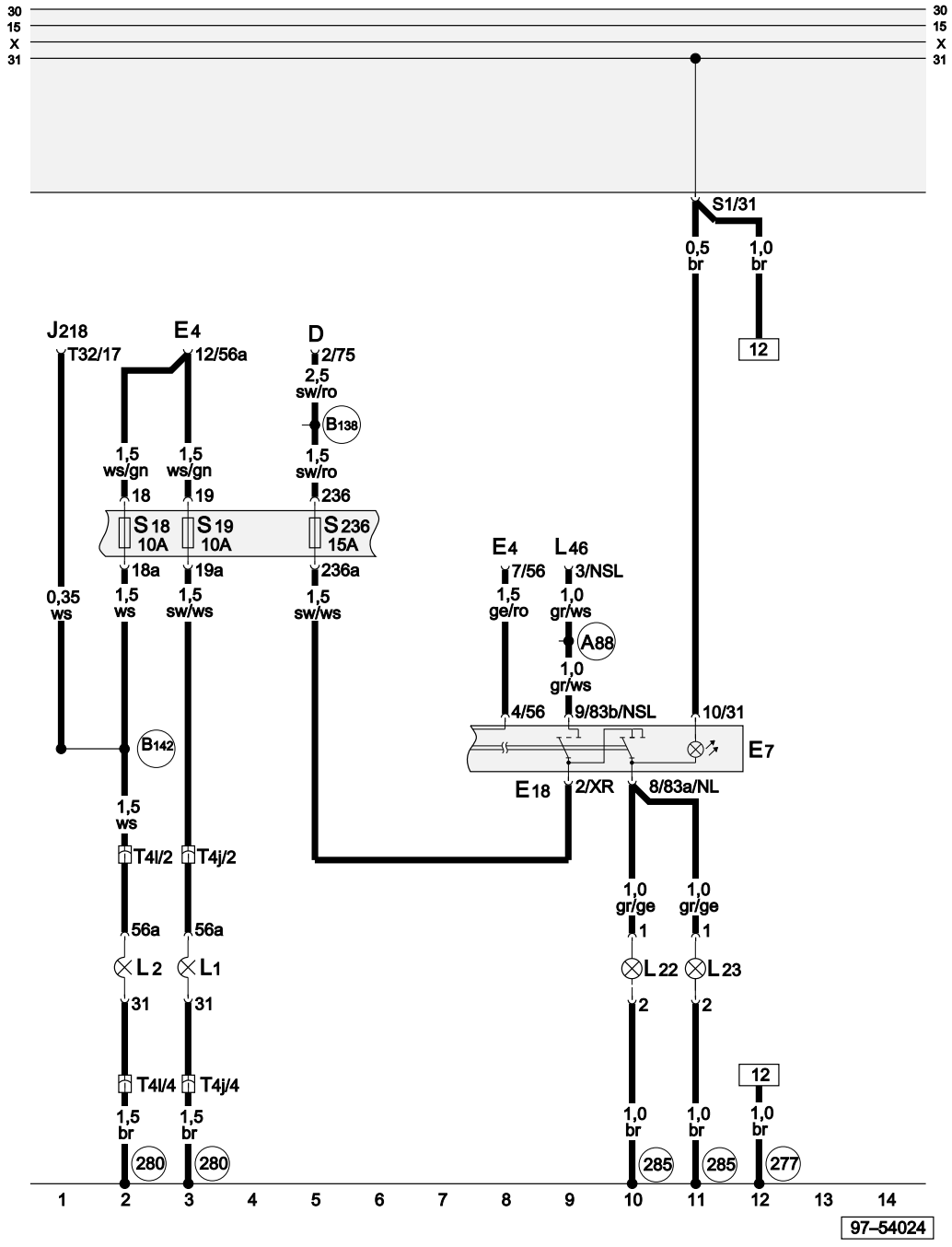


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours:

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige



Fuses, front and rear fog light switch, fog light bulbs, twin filament bulbs for headlights

D	Ignition/starter switch
E4	Headlight dipper/flasher switch
E7	Fog light switch
E18	Rear fog light switch
J218	Combi-processor in dash panel insert
L1	Twin filament bulb/sealed beam insert, left
L2	Twin filament bulb/sealed beam insert, right
L22	Fog light bulb, left
L23	Fog light bulb, right
L46	Rear fog light bulb, left
S18	Fuse in fuse box/relay plate
S19	Fuse in fuse box/relay plate
S236	Fuse in fuse box
T4j	4-pin connector, headlight, left
T4l	4-pin connector, headlight, right
T32	32-pin connector, blue, on dash panel insert
277	Earth connection -3-, in interior wiring harness
280	Earth connection, in communication systems wiring harness
285	Earth connection -7-, in interior wiring harness
A88	Connection (NSL (rear fog light)), in dash panel wiring harness
B138	Positive (+) connection (X), in interior wiring harness
B142	Positive (+) connection -2- (56a), in interior wiring harness

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Radio and navigation system RNS-D (7Q2)

from model year 2001

Notes:

For information concerning

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

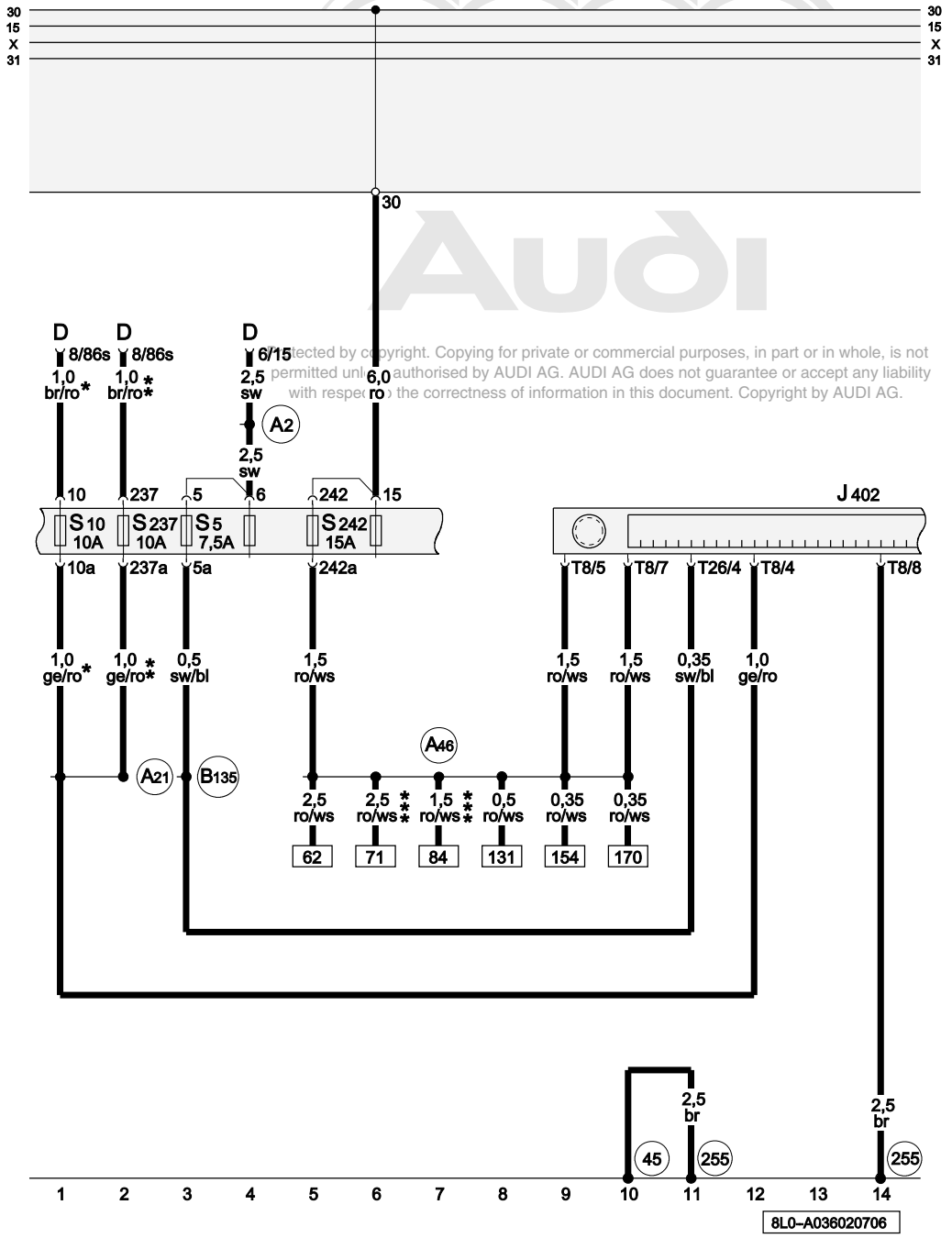
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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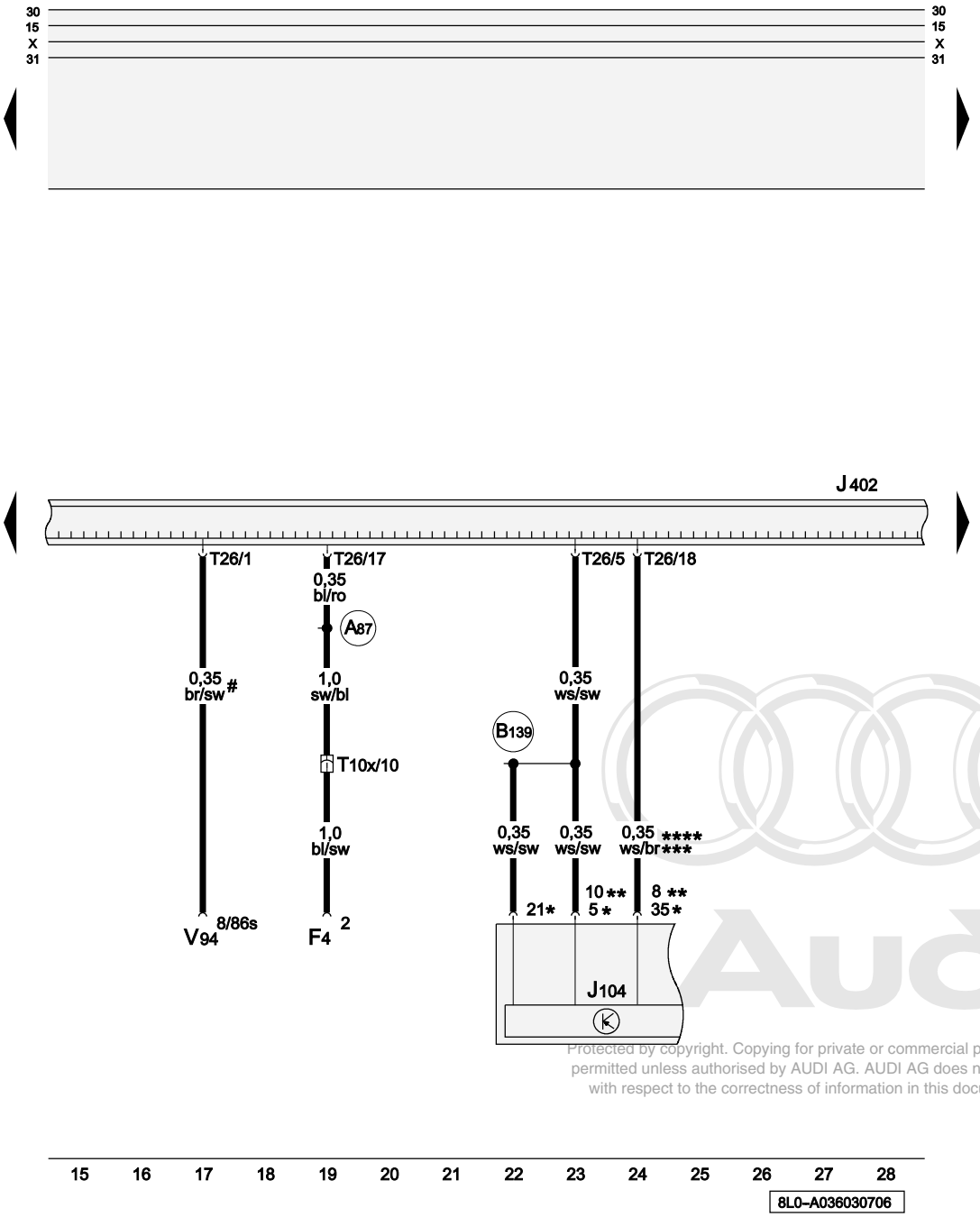


Audi
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Fuses

D	Ignition/starter switch
J402	Navigation operating electronics control unit
S5	Fuse in relay plate fuse holder
S10	Fuse in relay plate fuse holder
S237	Fuse in fuse holder
S242	Fuse in fuse holder
T8	8-connector, on radio
T26	26-pin connector, black, on navigation system control unit
45	Earth point, centre behind dash panel
255	Earth connection 1, in radio wiring harness
A2	Positive connection (15), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
A46	Positive connection (30 - from radio), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
*	applicable from November 2001
**	is dropped from November 2001
***	for Bose sound system only

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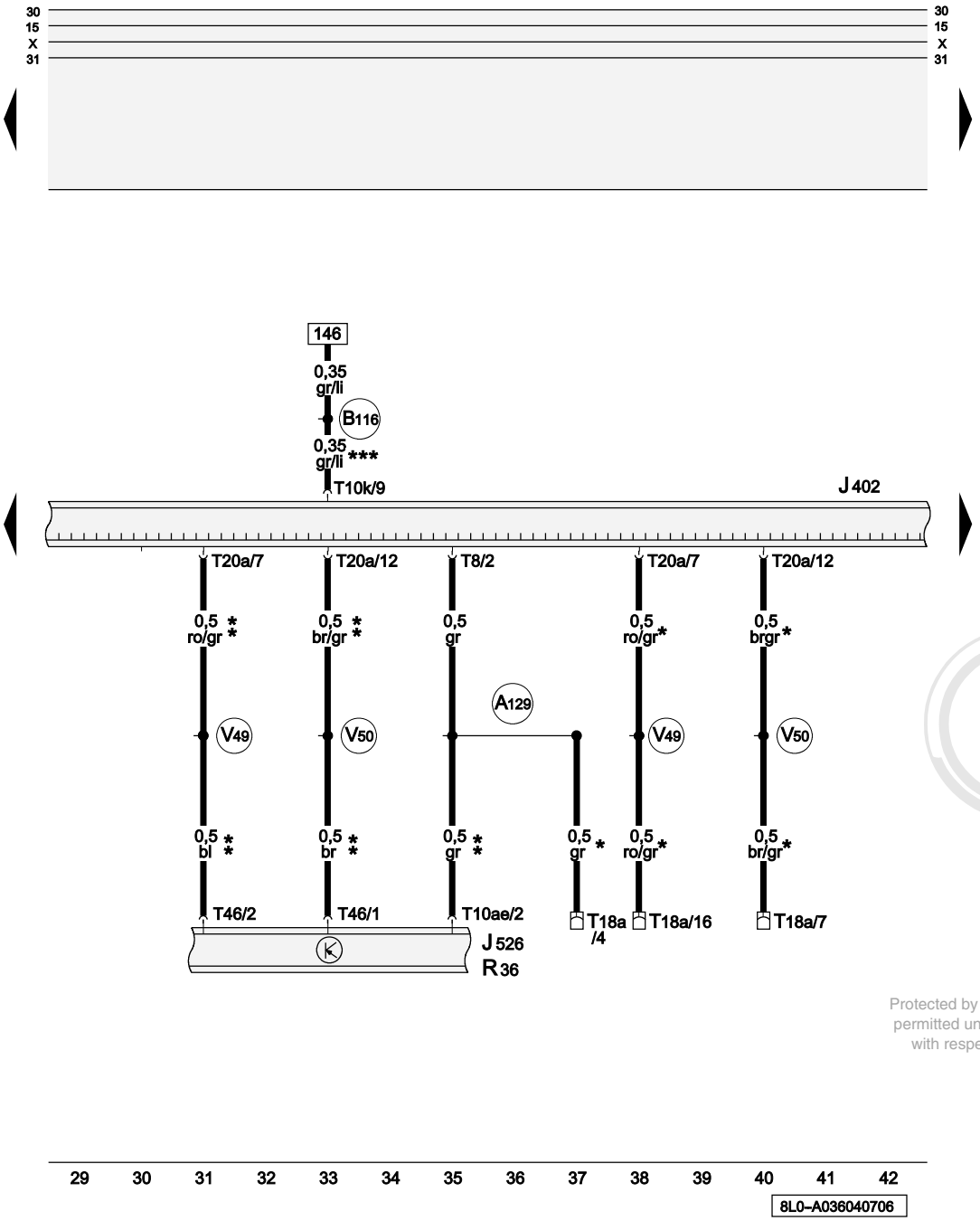


ABS control unit, reversing light switch

F4	Reversing light switch
J104	ABS control unit
J402	Navigation operating electronics control unit
T10x	10-pin connector, orange, in plenum chamber
T26	26-pin connector, black, on navigation system control unit
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
A87	Connection (RL), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
*	for models with anti-lock brake system (ABS) MK20
**	for models with anti-lock brake system (ABS) MK60 only
***	is dropped, from model year 2002, for models with anti-lock brake system (ABS) MK60 only
****	is dropped, from model year 2003, for models with anti-lock brake system (ABS) MK20 only
#	applicable from November 2001

ws	=	white
sw	=	black
ro	=	red
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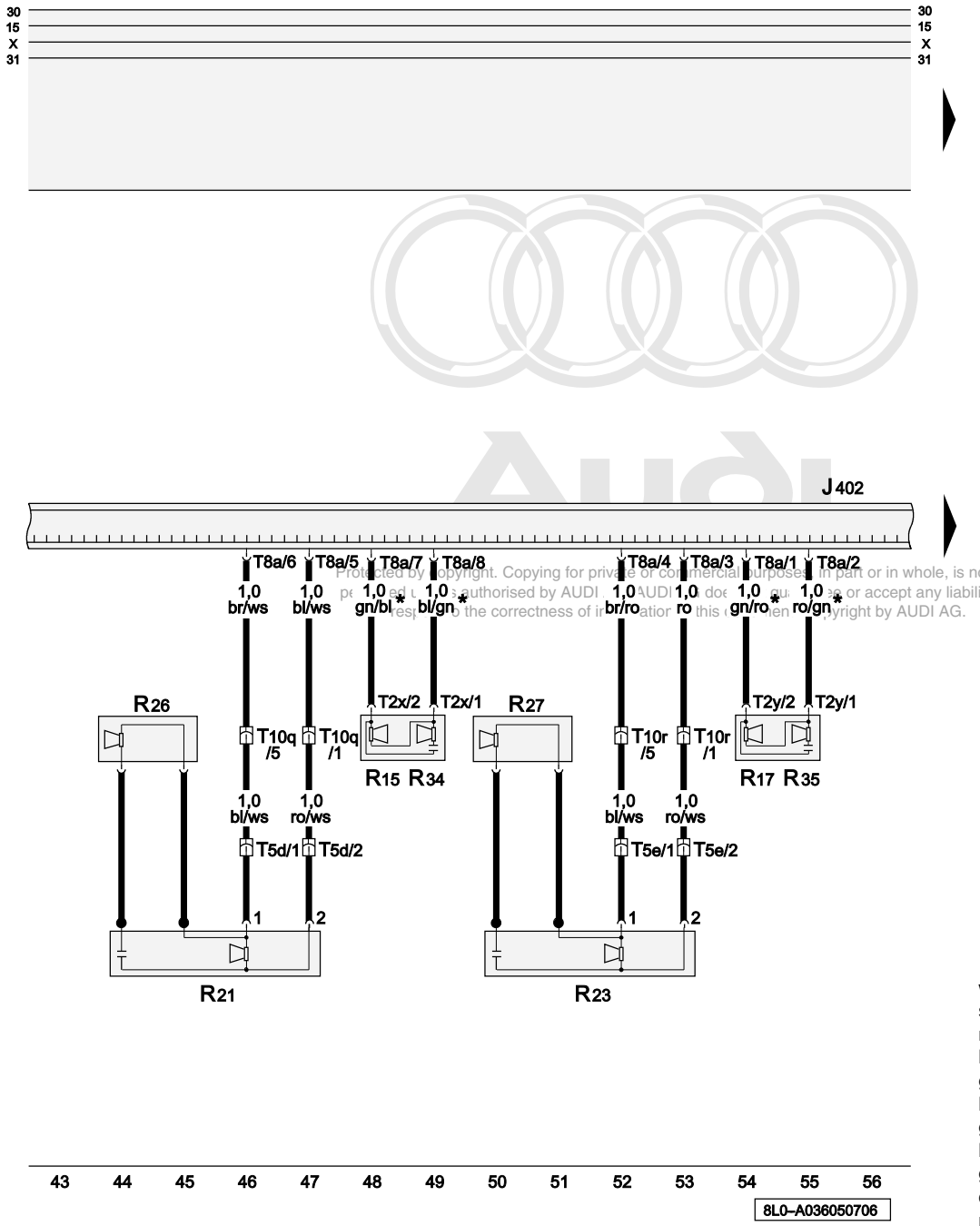


Telephone and telematics control unit and mobile telephone interface

J402	Navigation operating electronics control unit
J526	Telephone and telematics control unit
R36	Telephone transmitter and receiver unit
T8	8-connector, on radio
T10k	10-pin connector, red, on radio
T10ae	10-pin connector, on telephone / telematics control unit
T18a	18-pin connector, mobile telephone interface in centre console
T20a	20-pin connector, black, on radio
T46	46-pin connector, on telephone / telematics control unit
A129	Connection (muting), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
V49	Connection (NF +), in communication wiring harness
V50	Connection (NF -), in communication wiring harness
*	with preparation for mobile telephone
**	with telephone / telematics
***	is dropped, from model year 2002

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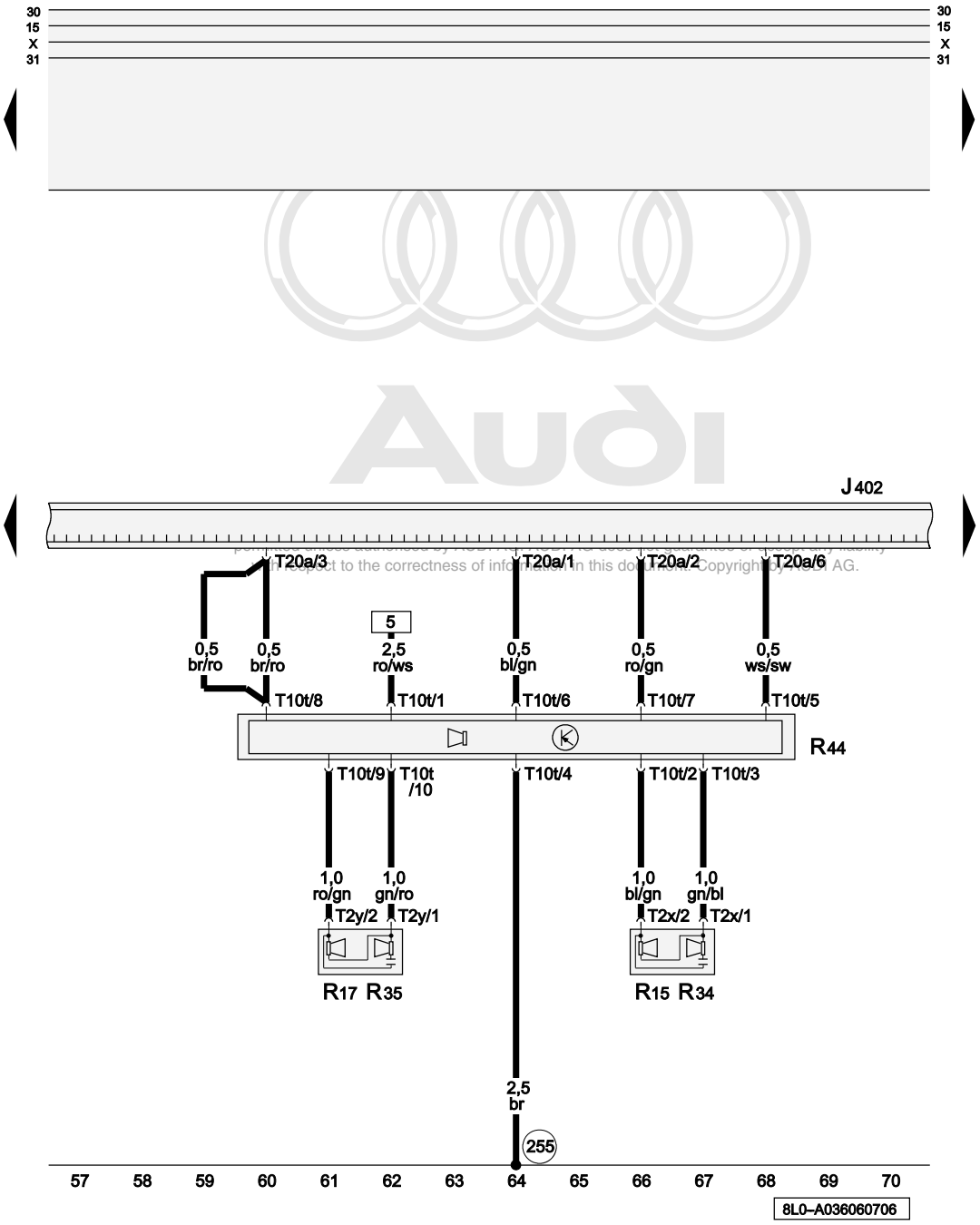


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Front and rear loudspeaker

J402	Navigation operating electronics control unit
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
R34	Rear left mid-range and treble loudspeaker
R35	Rear right mid-range and treble loudspeaker
T2x	2-pin connector, black, on rear left loudspeaker
T2y	2-pin connector, black, on rear right loudspeaker
T5d	5-pin connector, black, in driver door
T5e	5-pin connector, black, in front passenger door
T8a	8-connector, brown, on radio
T10q	10-pin connector, green, connector carrier on left of A-pillar
T10r	10-pin connector, green, connector carrier on right of A-pillar
*	with passive loudspeaker only

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
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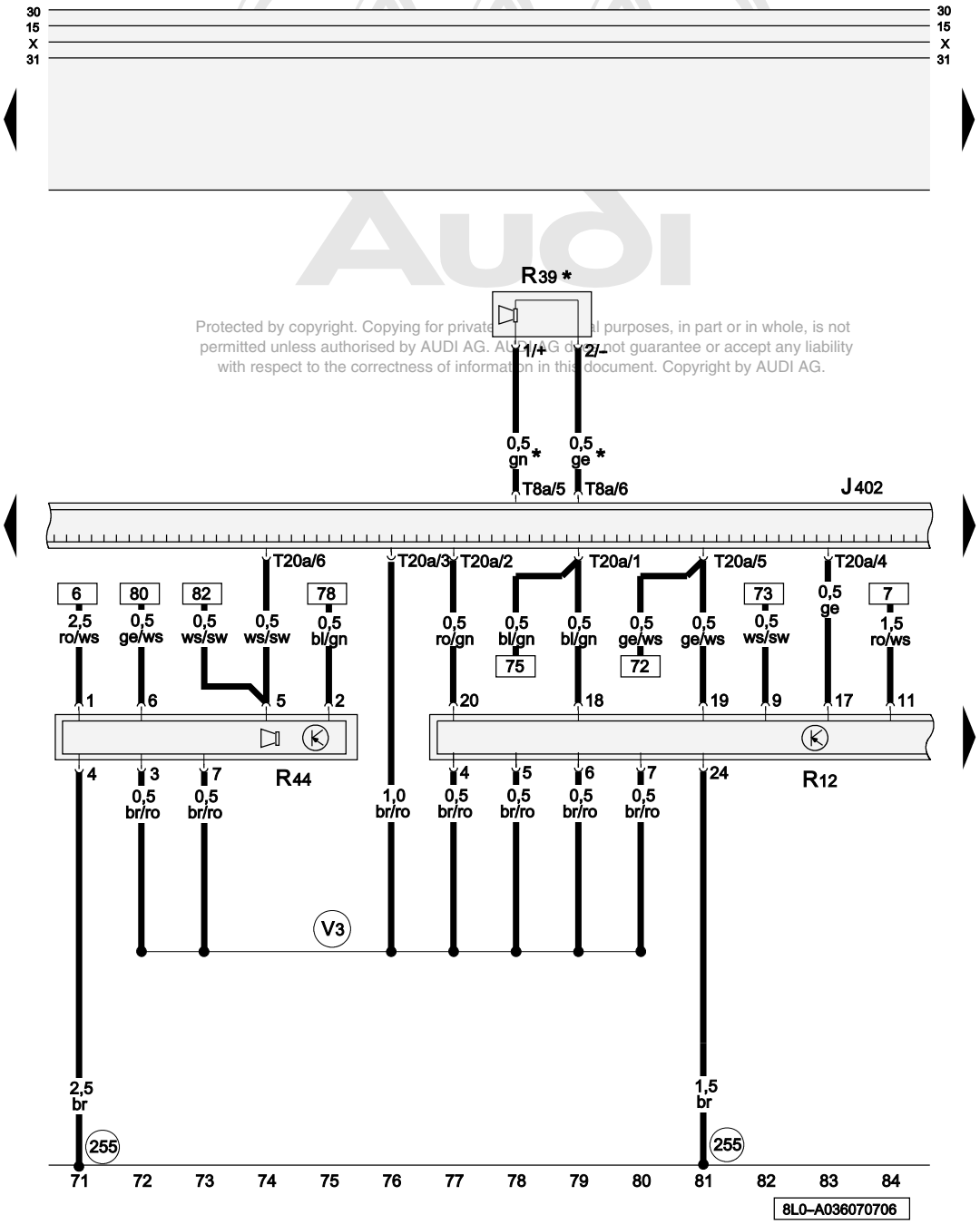


Rear active loudspeaker with bass loudspeaker

J402	Navigation operating electronics control unit
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R34	Rear left mid-range and treble loudspeaker
R35	Rear right mid-range and treble loudspeaker
R44	Amplifier with bass loudspeaker, on left in luggage compartment
T2x	2-pin connector, black, on rear left loudspeaker
T2y	2-pin connector, black, on rear right loudspeaker
T10t	10-pin connector, red, on left in luggage compartment
T20a	20-pin connector, black, on radio
(255)	Earth connection 1, in radio wiring harness

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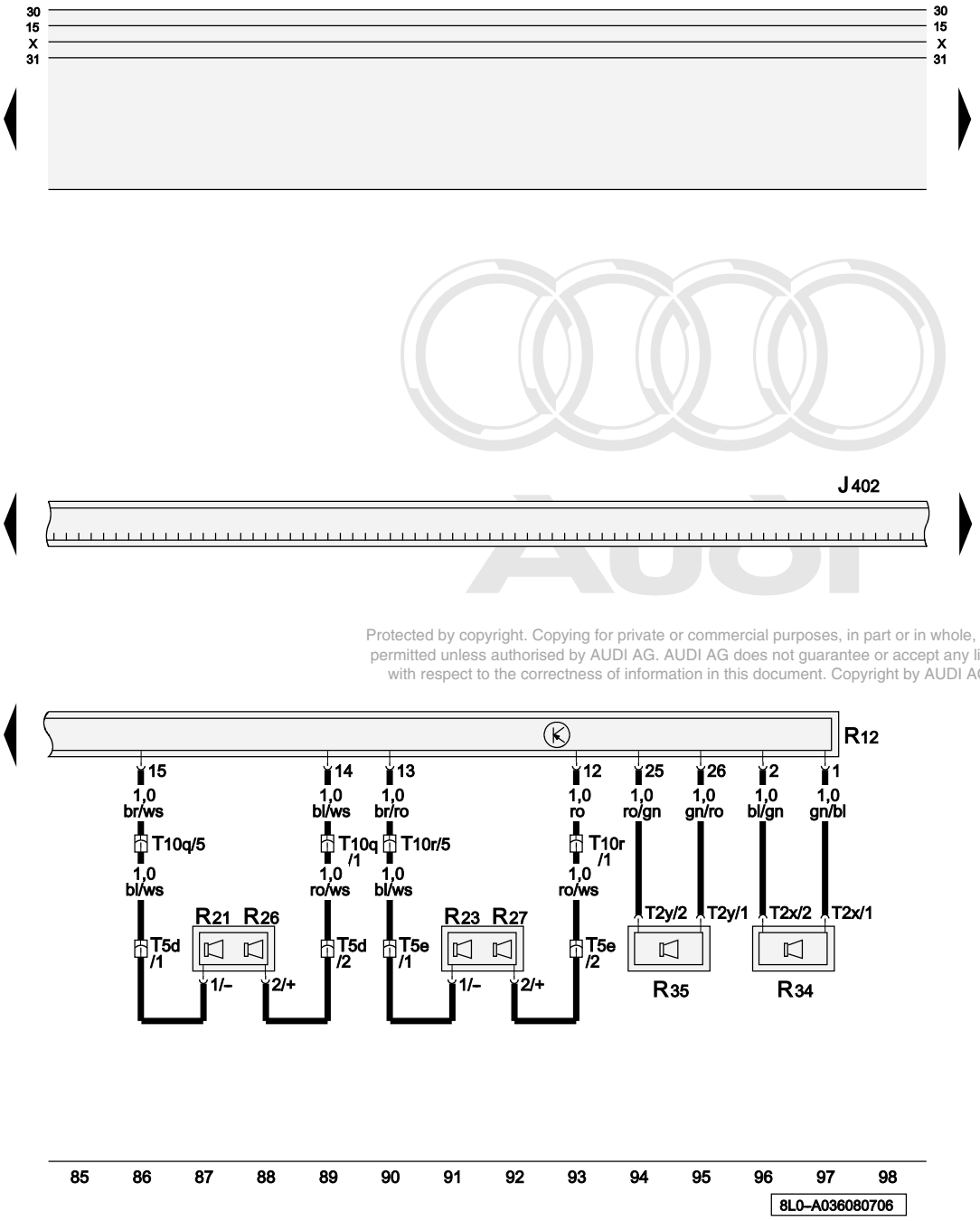


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Amplifier, bass loudspeaker with Bose sound system

J402	Navigation operating electronics control unit
R12	Amplifier
R39	Telephone and navigation systems loudspeaker
R44	Amplifier with bass loudspeaker, on left in luggage compartment
T8a	8-connector, brown, on radio
T20a	20-pin connector, black, on radio
255	Earth connection 1, in radio wiring harness
V3	Connection (NF) in rear loudspeaker wiring harness
*	only for Bose sound system with telephone, is dropped, from November 2001

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ro	=	red
br	=	brown
gn	=	green
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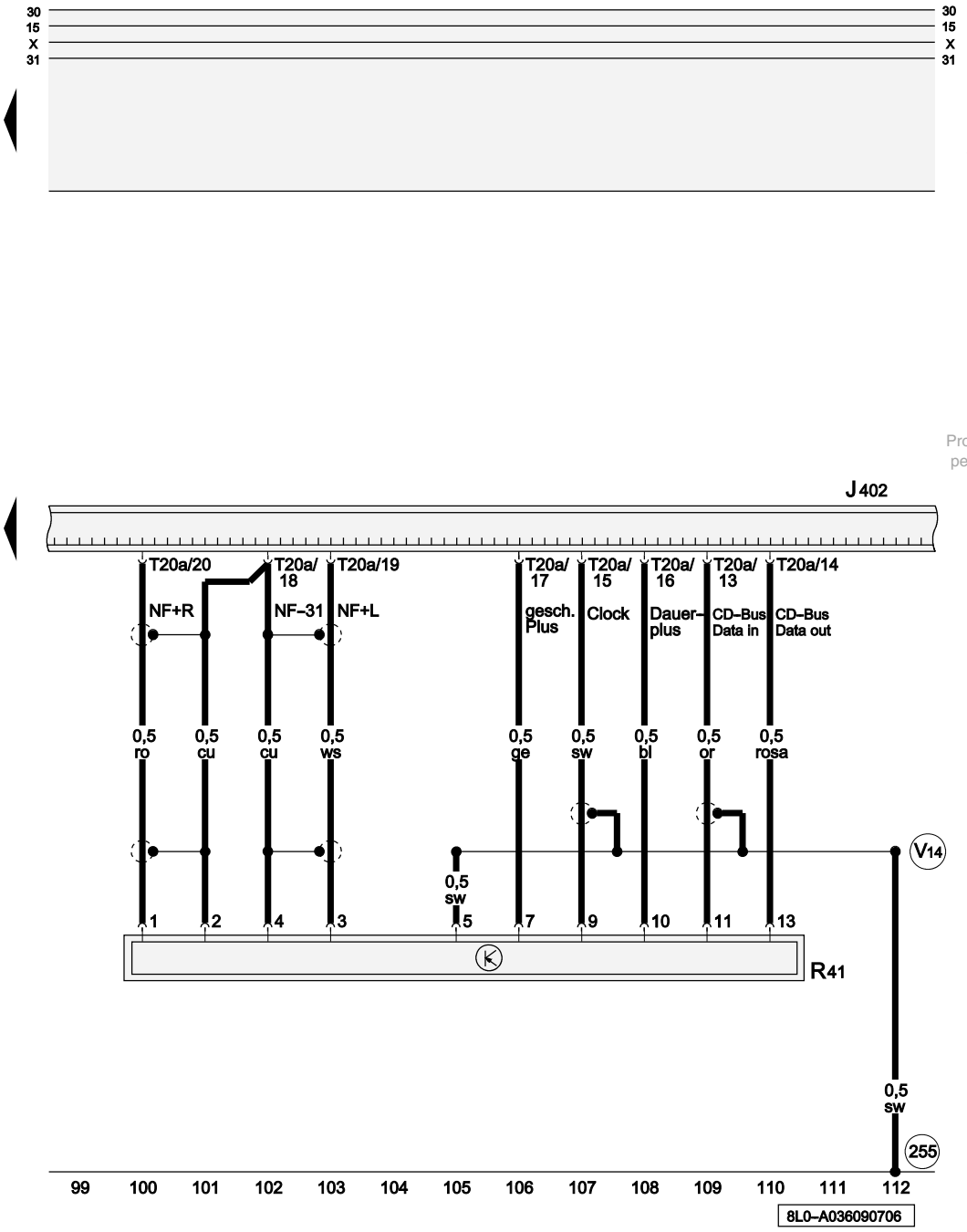


Amplifier with Bose sound system

J402	Navigation operating electronics control unit
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
R34	Rear left mid-range and treble loudspeaker
R35	Rear right mid-range and treble loudspeaker
T2x	2-pin connector, black, on rear left loudspeaker
T2y	2-pin connector, black, on rear right loudspeaker
T5d	5-pin connector, black, in driver door
T5e	5-pin connector, black, in front passenger door
T10q	10-pin connector, green, connector carrier on left of A-pillar
T10r	10-pin connector, green, connector carrier on right of A-pillar

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CD changer

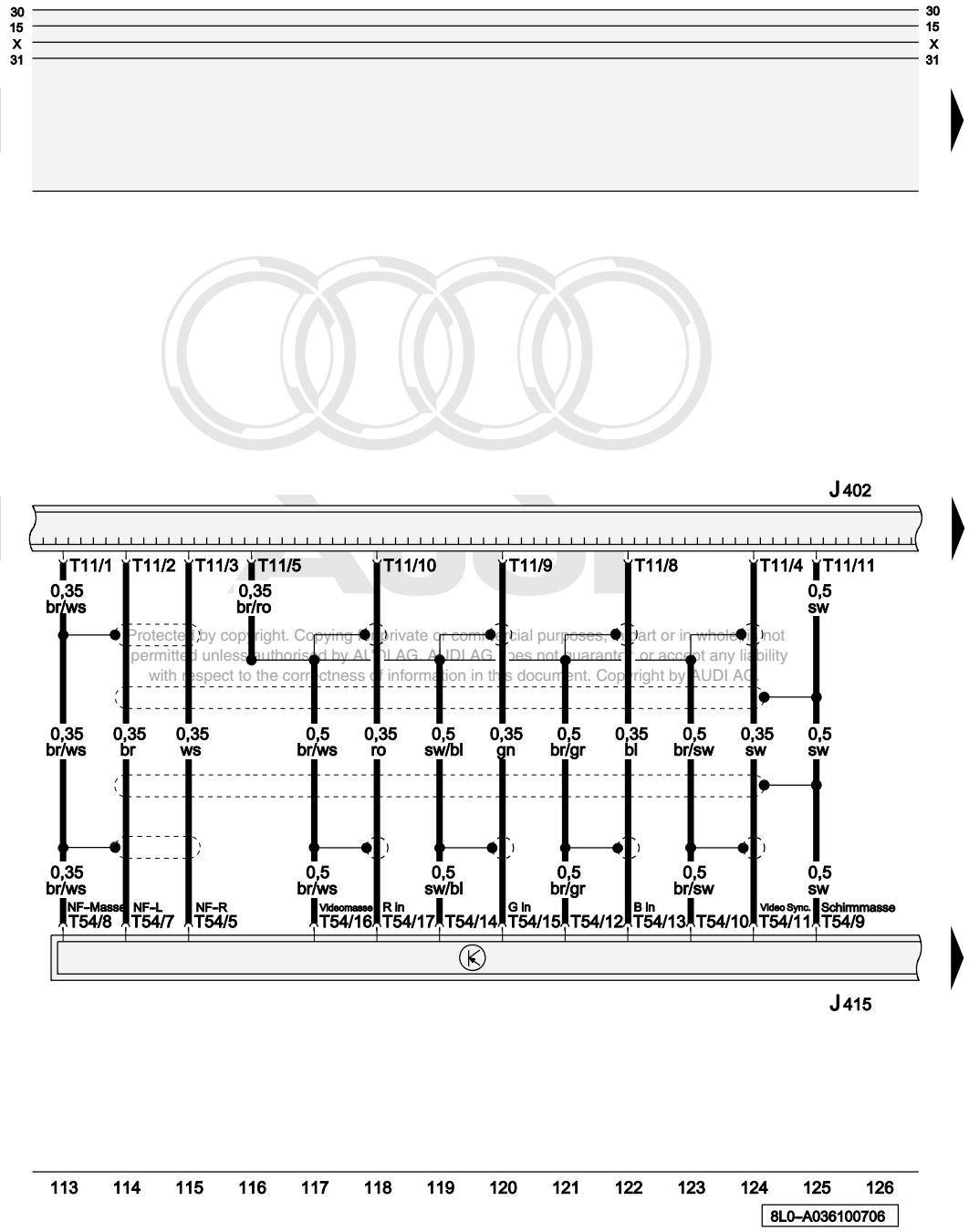
J402 Navigation operating electronics control unit
R41 CD changer
T20a 20-pin connector, black, on radio

(255) Earth connection 1, in radio wiring harness

(V14) Connection (screening), in CD changer wiring harness

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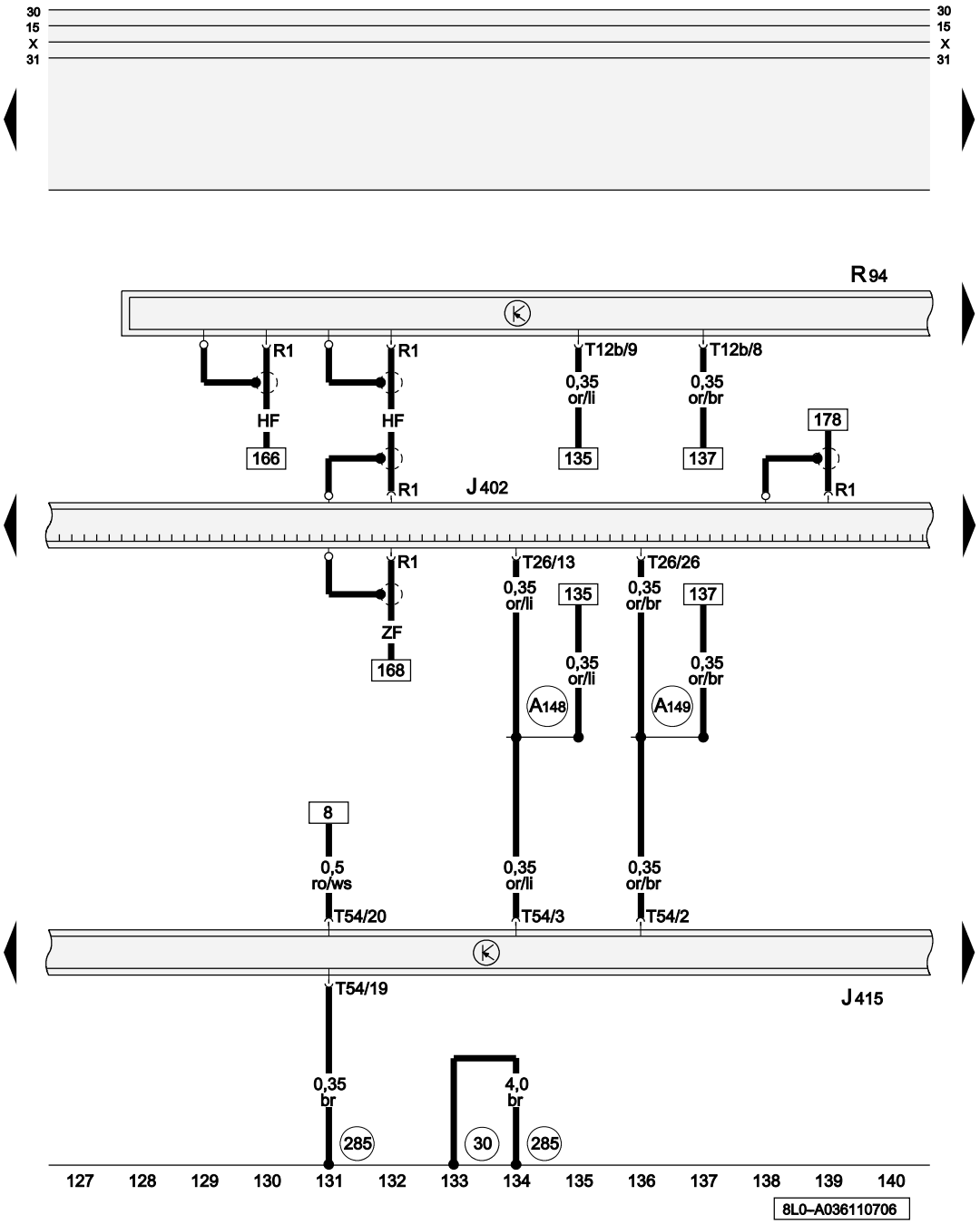


Navigation system tuner for TV

J402 Navigation operating electronics control unit
J415 Navigation system tuner for TV
T11 11-pin connector, on navigation system tuner for TV
T54 54-pin connector, black, on navigation system tuner for TV

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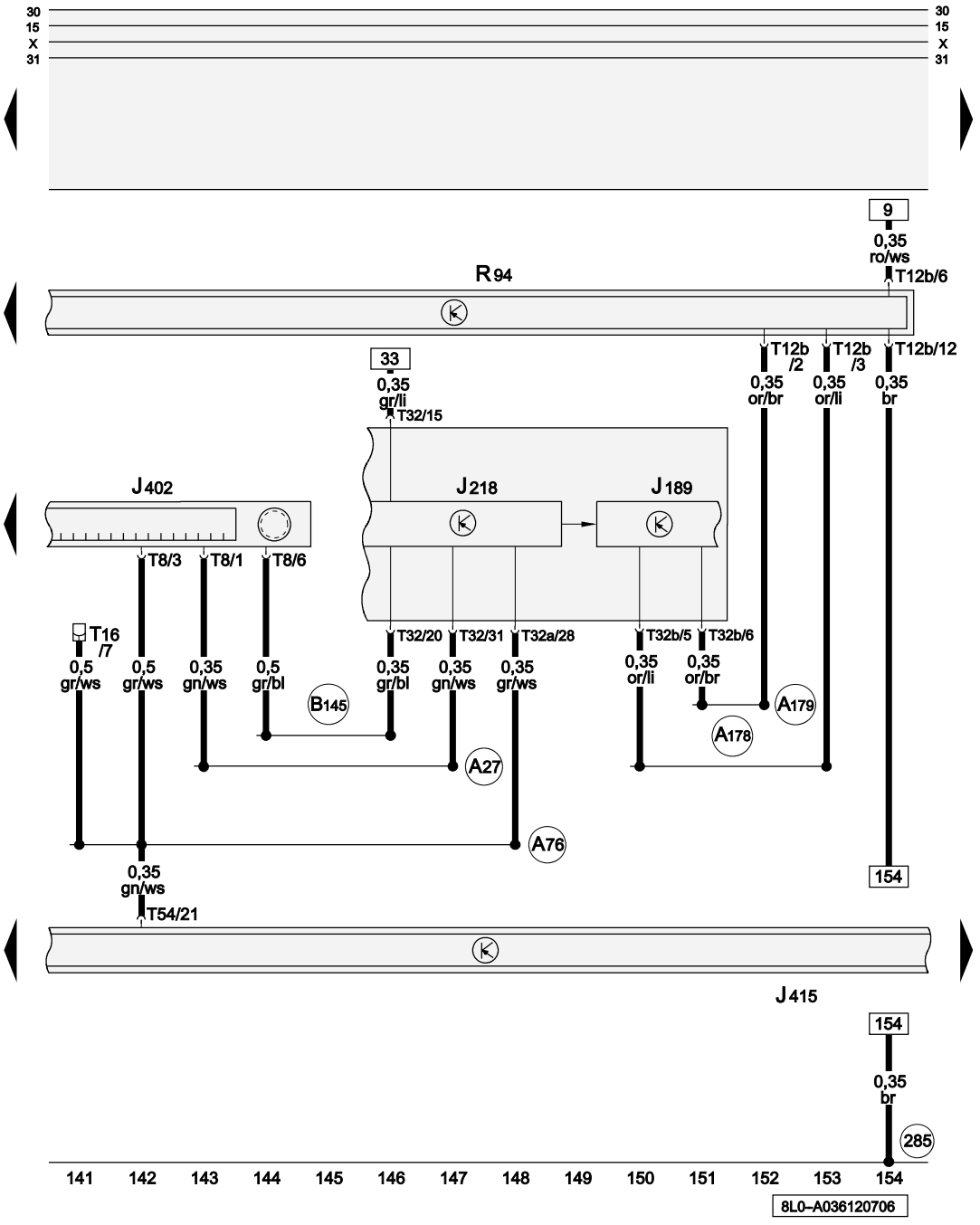


Navigation system tuner for TV, navigation system interface

J402	Navigation operating electronics control unit
J415	Navigation system tuner for TV
R1	Aerial connection
R94	Navigation system interface
T12b	12-pin connector, on navigation system interface
T26	26-pin connector, black, on navigation system control unit
T54	54-pin connector, black, on navigation system tuner for TV
30	Earth point 1, next to relay plate
285	Earth connection 7, in interior wiring harness
A148	Connection (navigation CAN bus, high), in dash panel wiring harness
A149	Connection (navigation CAN bus, low), in dash panel wiring harness

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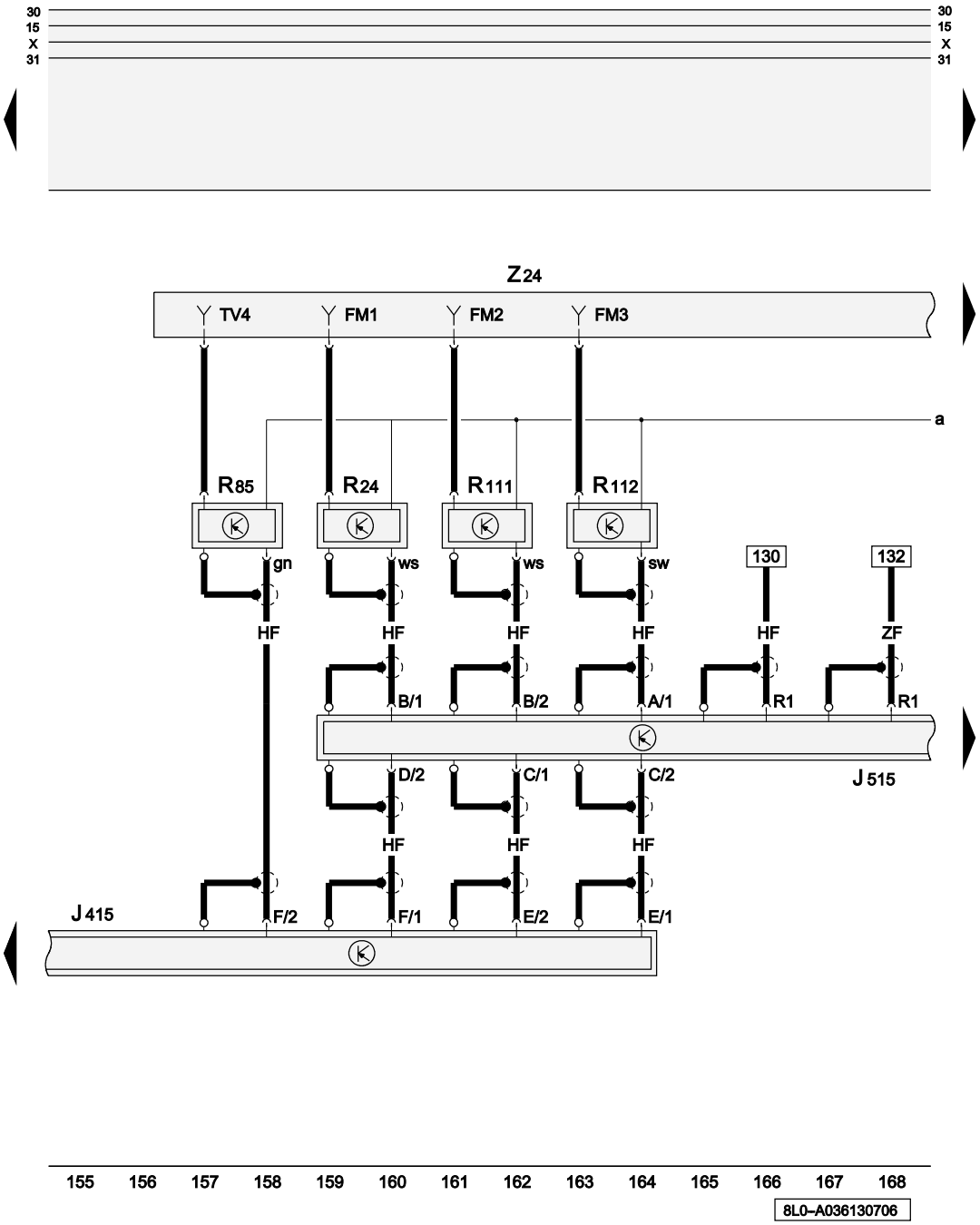


Auto-check system, combi-processor in dash panel insert

J189	Auto-check system
J218	Combi-processor in dash panel insert
J402	Navigation operating electronics control unit
J415	Navigation system tuner for TV
R94	Navigation system interface
T8	8-connector, on radio
T12b	12-pin connector, on navigation system interface
T16	16-pin connector, black, shelf centre console (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
T32b	32-pin connector, grey, on dash panel insert
T54	54-pin connector, black, on navigation system tuner for TV
285	Earth connection 7, in interior wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
B145	Positive connection (58b), in interior wiring harness

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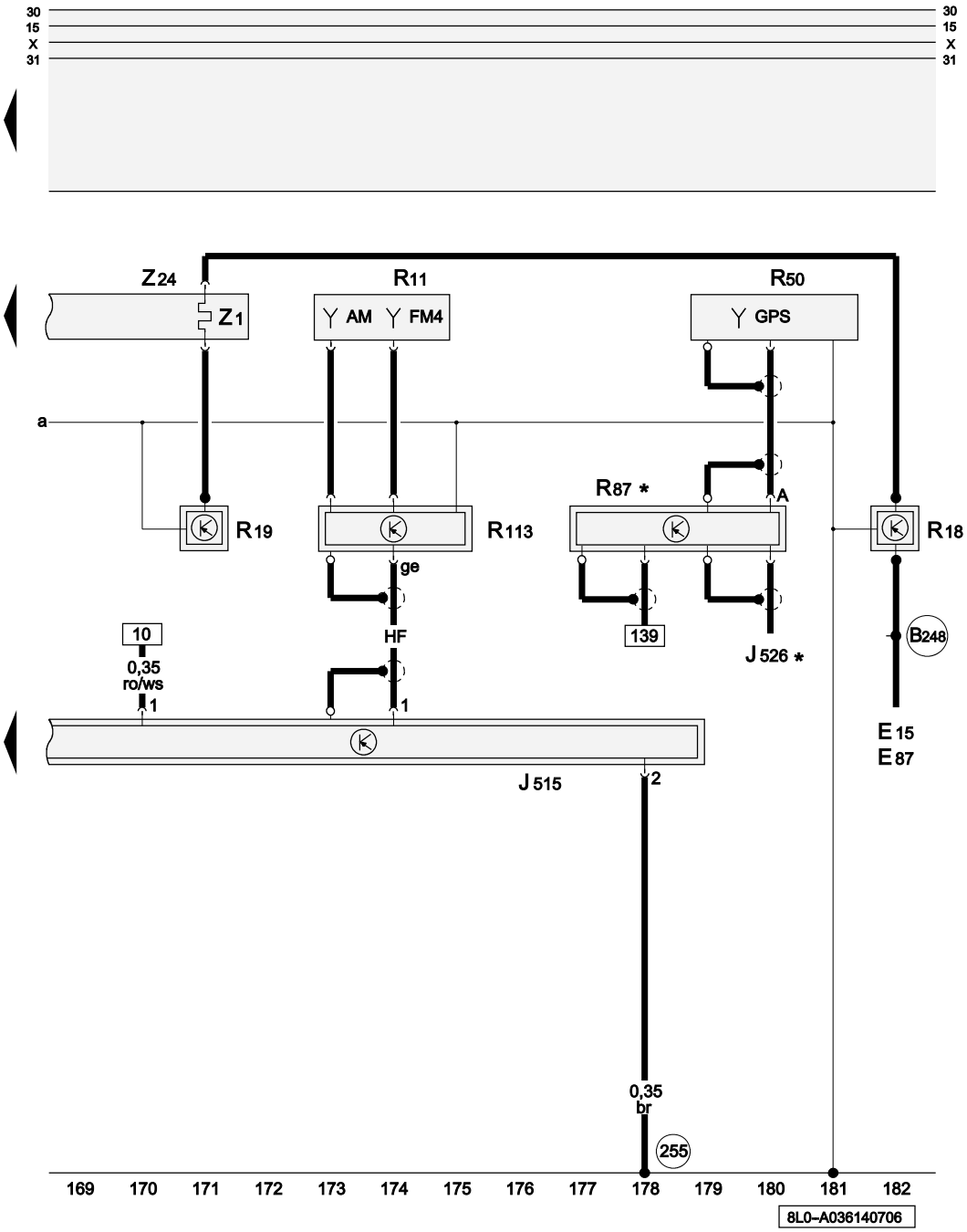


Aerial, aerial amplifier, aerial selection control unit, navigation system tuner for TV

J415	Navigation system tuner for TV
J515	Aerial selection control unit
R1	Aerial connection
R24	Aerial amplifier
R85	Aerial amplifier 4 for TV
R111	Aerial amplifier 2
R112	Aerial amplifier 3
Z24	Heated rear window with window aerial

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



Aerials, aerial amplifier, aerial selection control unit

E15	Heated rear window switch
E87	Operating and display unit for air conditioning system/Climatronic
J515	Aerial selection control unit
J526	Telephone and telematics control unit
R11	Aerial
R18	Left frequency switch
R19	Right frequency switch
R50	Navigation system aerial
R87	Aerial filter
R113	Aerial amplifier 4
Z1	Heated rear window
Z24	Heated rear window with window aerial
255	Earth connection 1, in radio wiring harness
B248	Connection 2 (heated rear window), in interior wiring harness
*	with telephone / telematics only

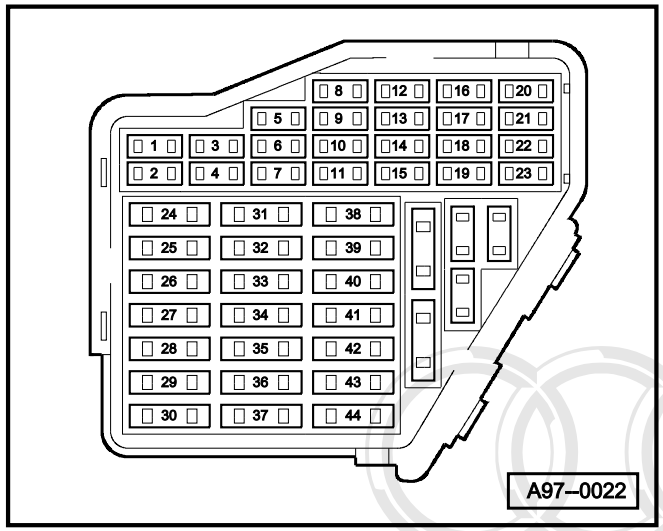
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or	=	orange
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Daytime driving lights with fog lights

From model year 2001

Fuse box



- Dash panel, driver's side

Fuse colours

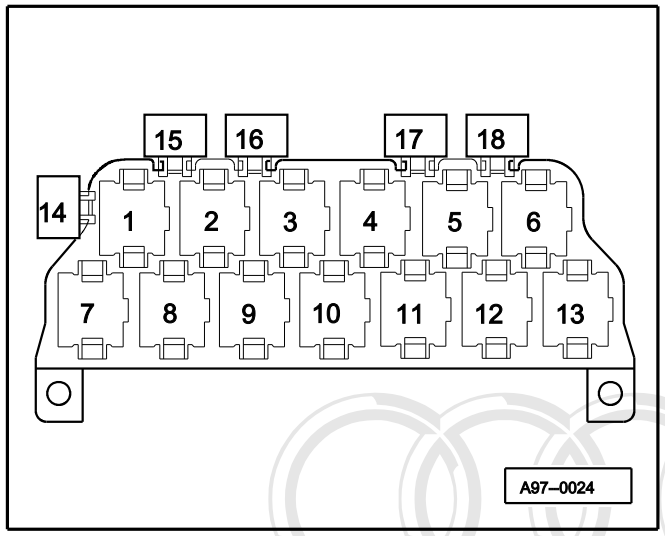
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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13-point relay carrier

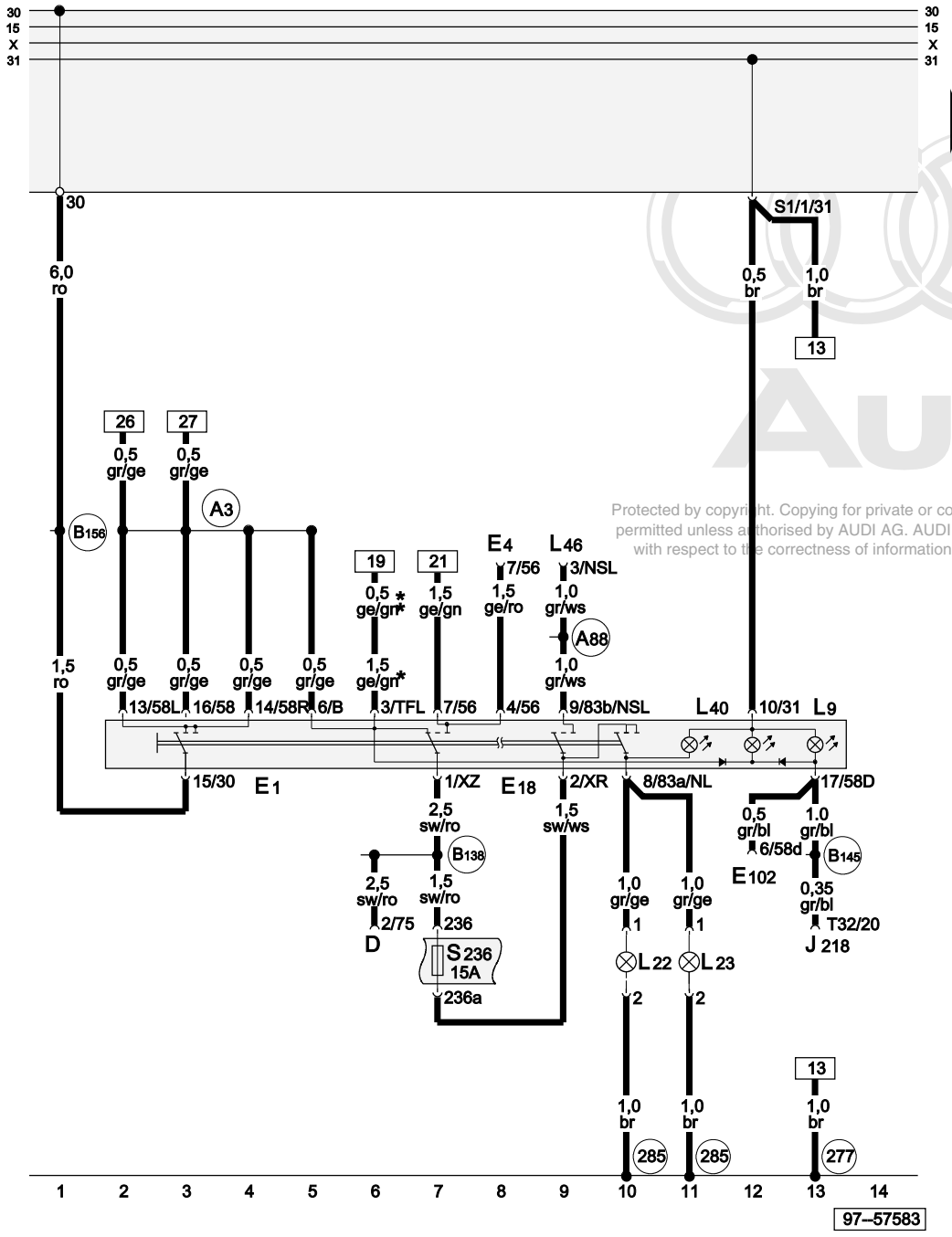


♦ Above micro-central electrics, under driver's storage compartment

2 - Bulb monitoring device, rear (J124)

3 - Bulb monitoring device, rear (J124)

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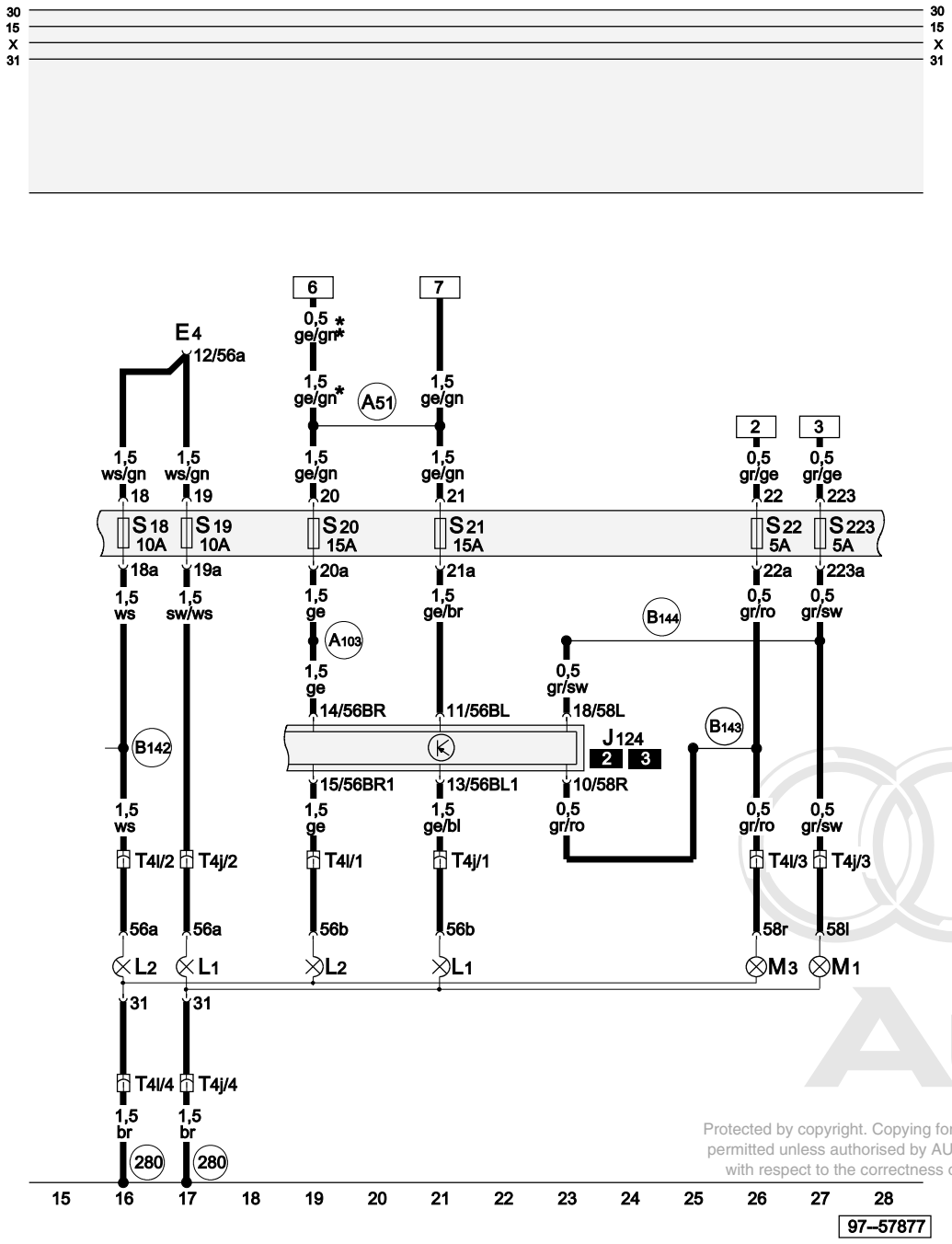


Lighting switch, fog lights, headlight dipper/flasher switch and rear fog light

D	Ignition/starter switch
E1	Lighting switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
E102	Headlight range control adjuster
J218	Combi-processor in dash panel insert
L9	Lighting switch light bulb
L22	Fog light bulb, left
L23	Fog light bulb, right
L40	Front and rear fog light switch illumination bulb
L46	Rear fog light bulb, left
S236	Fuse in fuse box
T32	32-pin connector, blue, on dash panel insert
277	Earth connection -3-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A3	Positive (+) connection (58), in dash panel wiring harness
A88	Connection (NSL (rear fog light)), in dash panel wiring harness
B138	Positive (+) connection (X), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
*	Only applies to headlights with gas discharge lamps
**	Only applies to ellipsoidal headlights

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
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li	=	purple
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or	=	orange
rs	=	pink

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Bulb monitoring device, fuses, side lights, twin filament bulbs

E4	Headlight dipper/flasher switch
J124	Bulb monitoring device, rear
L1	Twin filament bulb/sealed beam insert, left
L2	Twin filament bulb/sealed beam insert, right
M1	Side light bulb, left
M3	Side light bulb, right
S18	Fuse in fuse box/relay plate
S19	Fuse in fuse box/relay plate
S20	Fuse in fuse box/relay plate
S21	Fuse in fuse box/relay plate
S22	Fuse in fuse box/relay plate
S223	Fuse in fuse box
T4j	4-pin connector, headlight, left
T4l	4-pin connector, headlight, right
280	Earth connection, in communication systems wiring harness
A51	Connection (56), in dash panel wiring harness
A103	Connection -2- (56), in dash panel wiring harness
B142	Positive (+) connection -2- (56a), in interior wiring harness
B143	Positive (+) connection (58R), in interior wiring harness
B144	Positive (+) connection (58L), in interior wiring harness
*	Only applies to headlights with gas discharge lamps
**	Only applies to ellipsoidal headlights

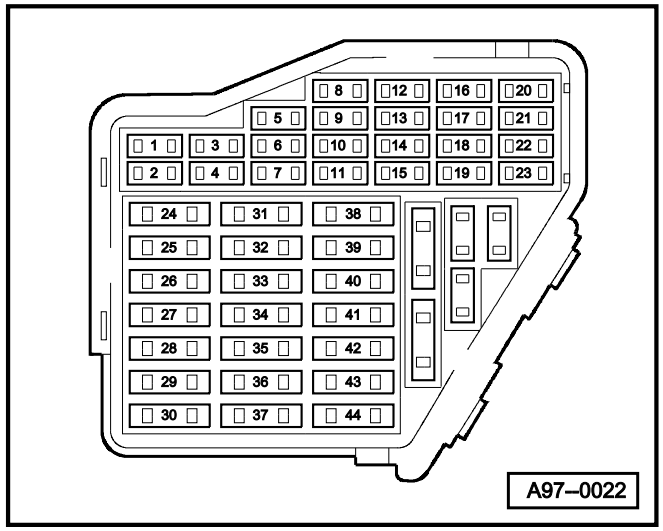
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Telephone

From model year 2002

Fuse box

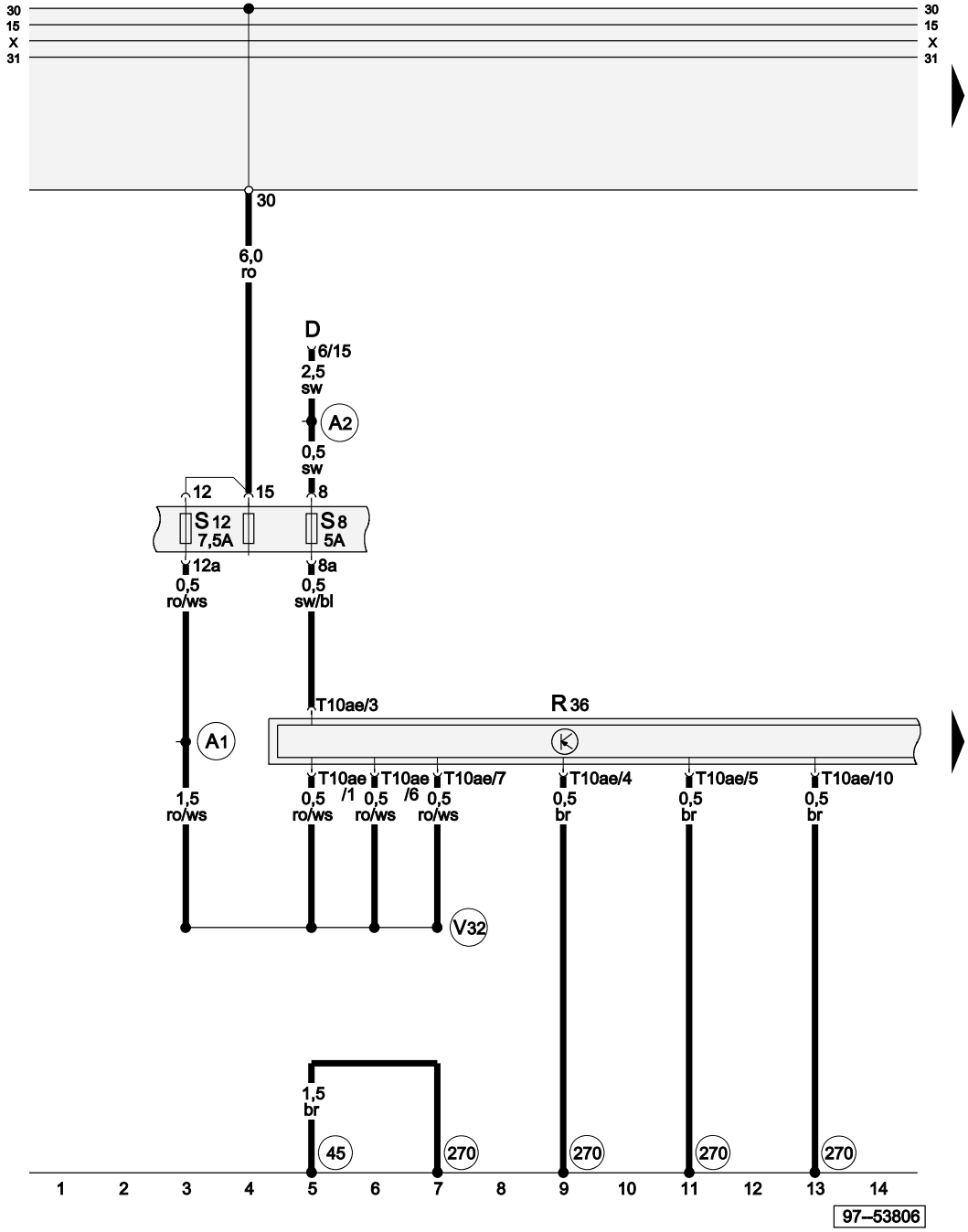


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours:

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

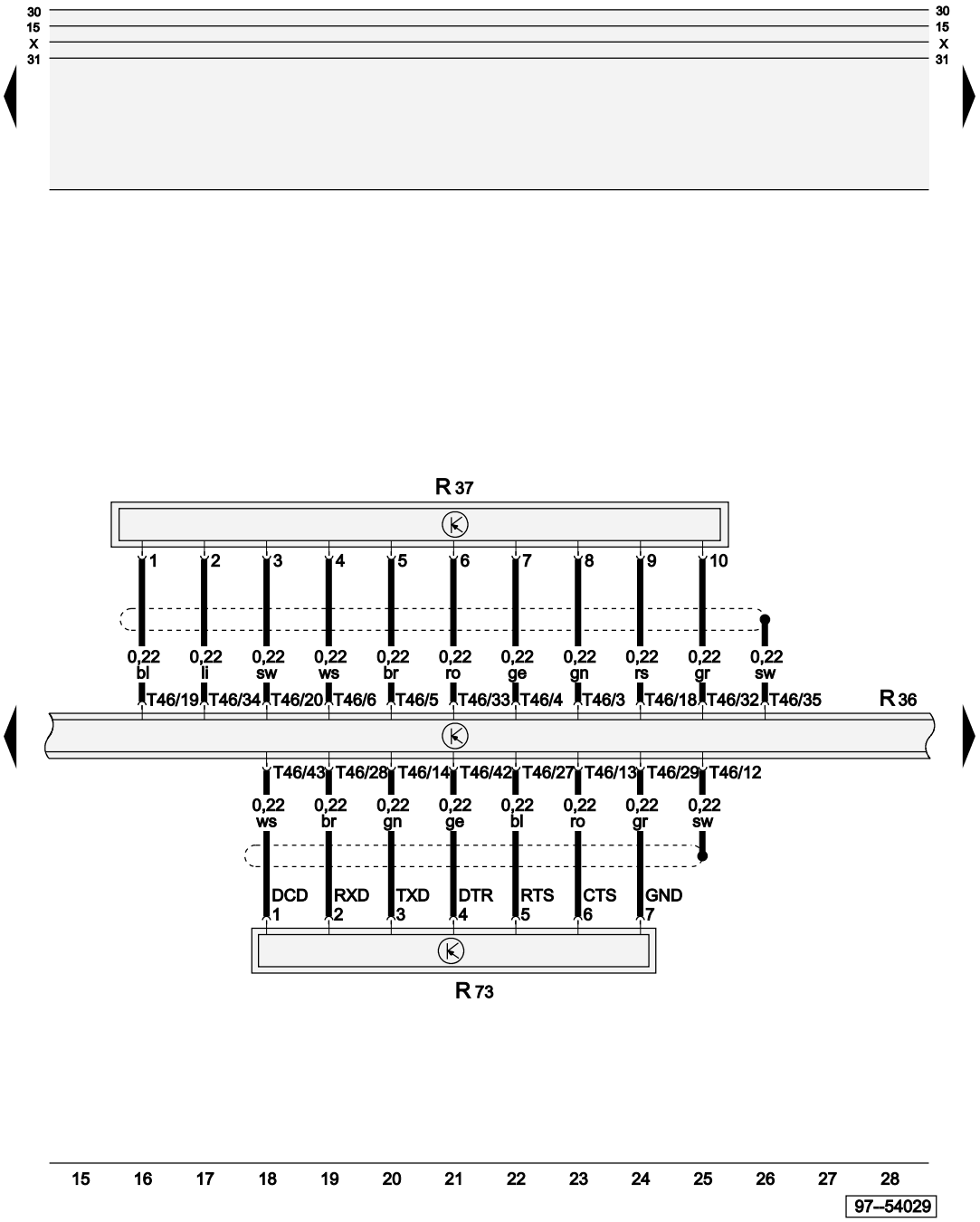


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, telephone/telematics control unit

D	Ignition/starter switch
R36	Telephone transmitter and receiver unit
S8	Fuse in fuse box/relay plate
S12	Fuse in fuse box/relay plate
T10ae	10-pin connector, on telephone/telematics control unit
45	Earth point, behind dash panel - centre
270	Earth connection, in telephone wiring harness
A1	Positive (+) connection (30a), in dash panel wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
V32	Positive (+) connection (30), in telephone wiring harness

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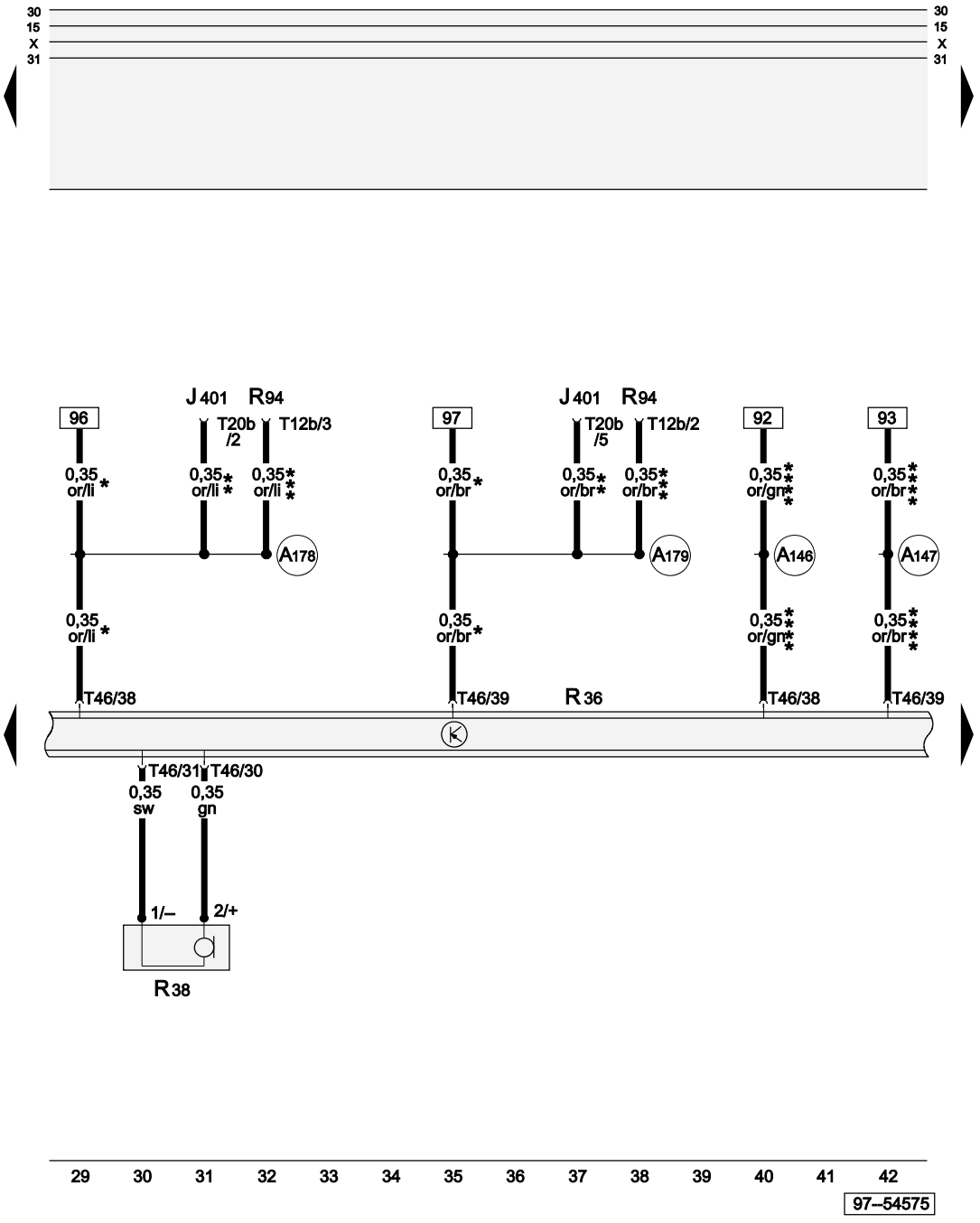


Telephone/telematics control unit, telephone handset, fax unit

R36 Telephone transmitter and receiver unit
R37 Telephone handset
R73 Fax unit
T46 46-pin connector, on telephone/telematics control unit

ws = white
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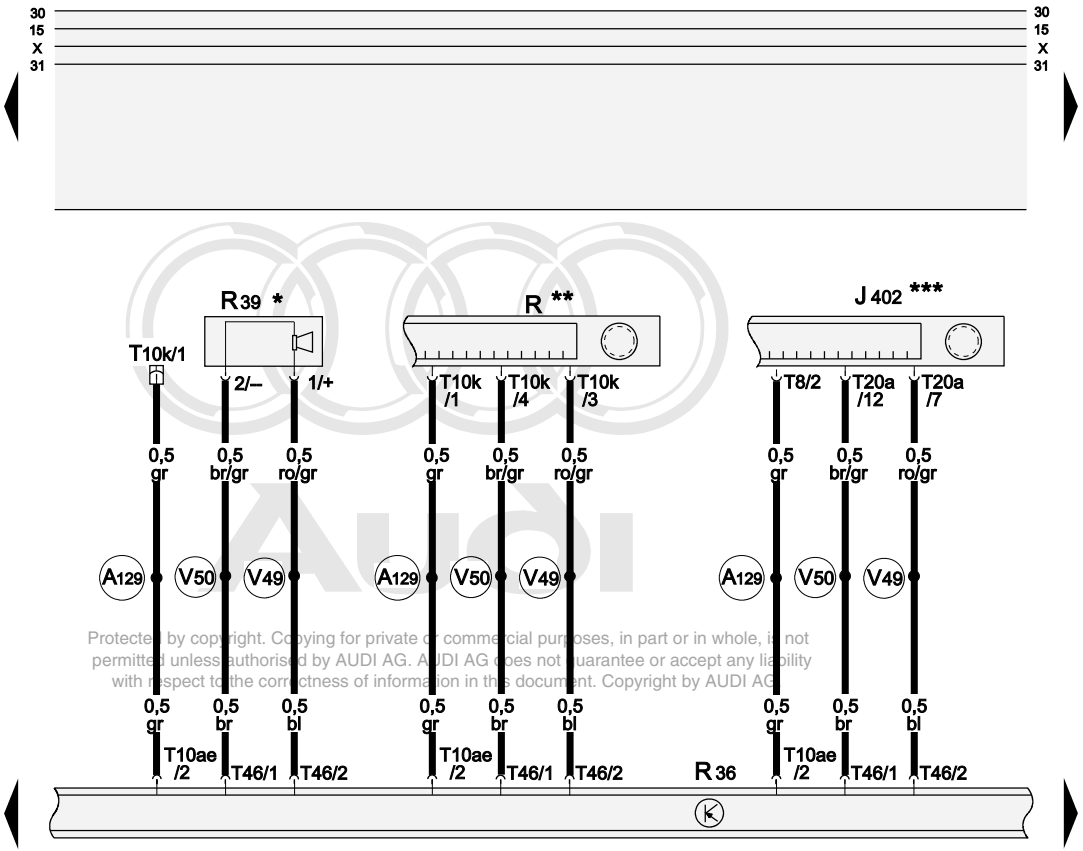


Telephone/telematics control unit, infotainment CAN bus, telephone microphone

J401	Navigation system with CD drive control unit
R36	Telephone transmitter and receiver unit
R38	Telephone microphone
R94	Navigation interface
T12b	12-pin connector, at navigation interface
T20b	20-pin connector, black, on navigation control unit
T46	46-pin connector, on telephone/telematics control unit
A146	Connection (convenience CAN bus, high), in dash panel wiring harness
A147	Connection (convenience CAN bus, low), in dash panel wiring harness
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
*	Models with navigation system 'NS LOW'
**	Only models with radio navigation system (RNS-D)
***	Does not apply to models with driver information system and from model year 2003 onwards

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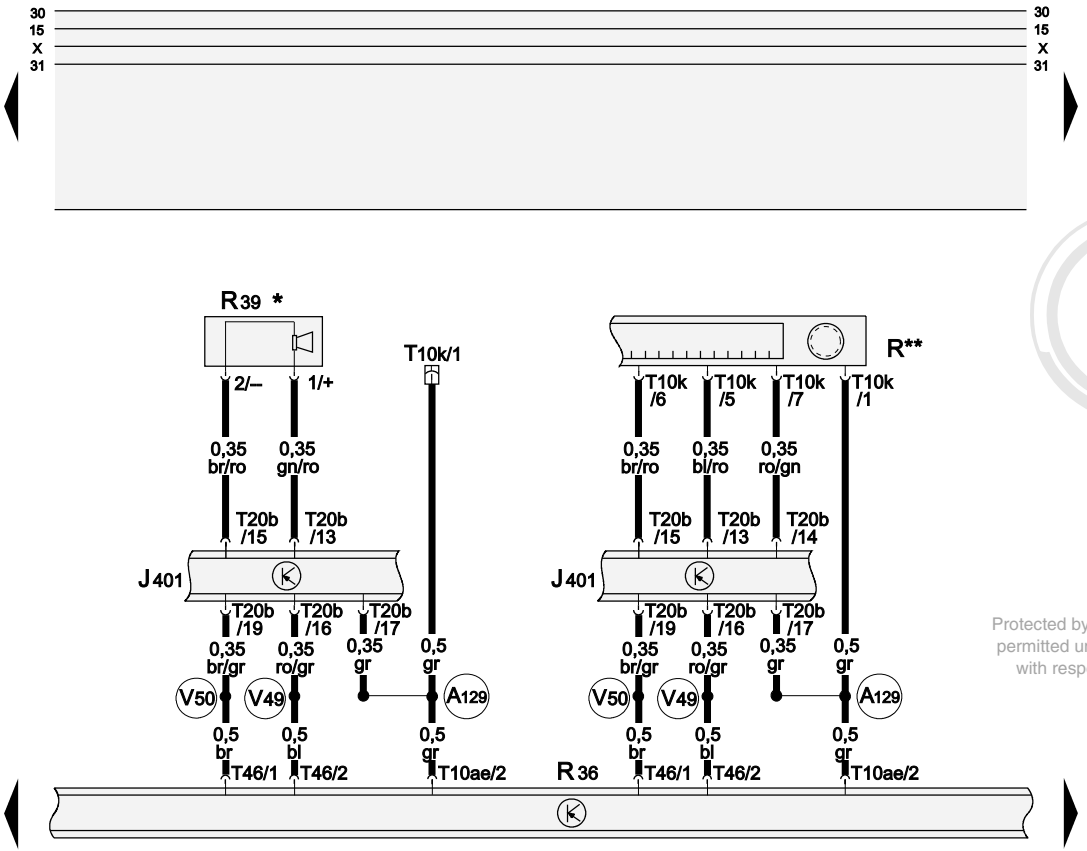


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Telephone/telematics control unit, voice control system without radio, with radio or radio navigation system

J402	Operating electronics control unit, navigation
R36	Telephone transmitter and receiver unit
R	Radio
R39	Telephone/navigation systems loudspeaker
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
T10ae	10-pin connector, on telephone/telematics control unit
T20a	20-pin connector, black, on radio
T46	46-pin connector, on telephone/telematics control unit
A129	Connection (muting), in dash panel wiring harness
V49	Connection (audio frequency, NF +), in communication wiring harness
V50	Connection (audio frequency, NF -), in communication wiring harness
*	Voice control system without radio
**	Voice control system with radio
***	Voice control system with radio navigation system

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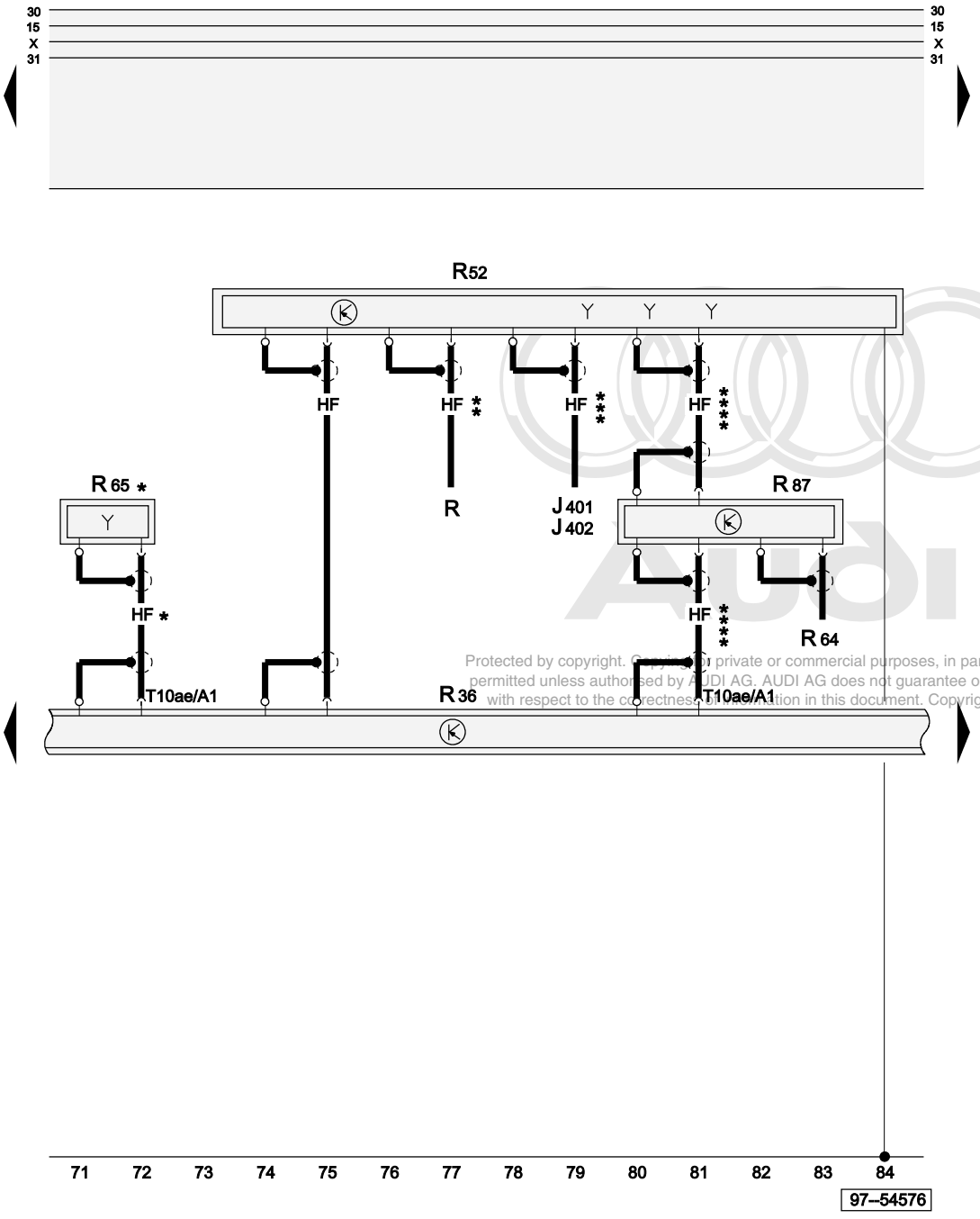


Telephone/telematics control unit, voice control system on models with navigation system

J401	Navigation system with CD drive control unit
R	Radio
R36	Telephone transmitter and receiver unit
R39	Telephone/navigation systems loudspeaker
T10k	10-pin connector, red, on radio
T10ae	10-pin connector, on telephone/telematics control unit
T20b	20-pin connector, black, on navigation control unit
T46	46-pin connector, on telephone/telematics control unit
A129	Connection (muting), in dash panel wiring harness
V49	Connection (audio frequency, NF +), in communication wiring harness
V50	Connection (audio frequency, NF -), in communication wiring harness
*	Voice control system with navigation system, without radio, as of model year 2002 no longer fitted
**	Voice control system with navigation system, with radio

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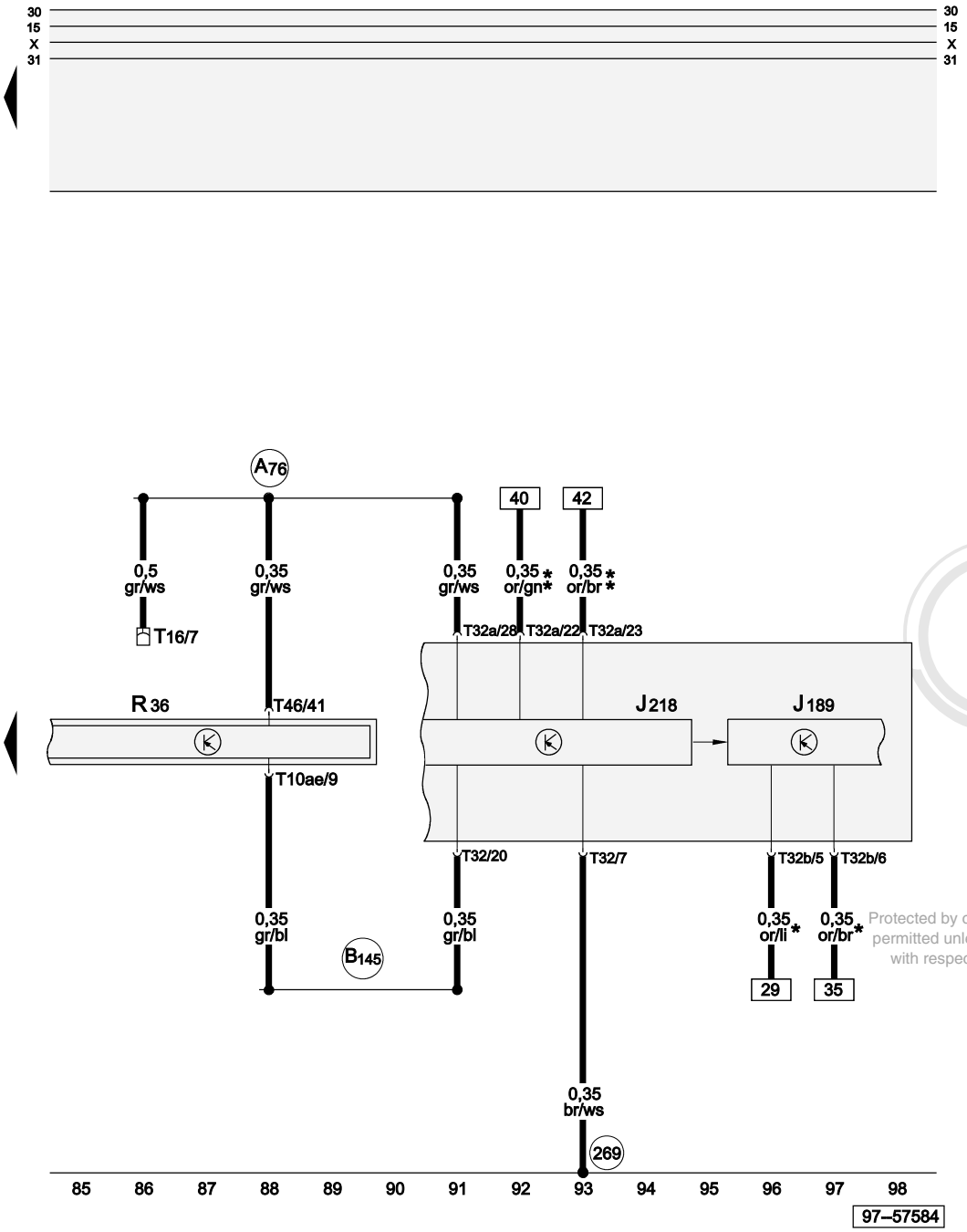


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Telephone/telematics control unit, aerials

J401	Navigation system with CD drive control unit
J402	Operating electronics control unit, navigation
R	Radio
R36	Telephone transmitter and receiver unit
R52	Radio/telephone/navigation aerial (GPS)
R64	Auxiliary heating radio controlled receiver
R65	Telephone aerial
R87	Aerial filter
T10ae	10-pin connector, on telephone/telematics control unit
*	Only applies to models without radio, navigation system and auxiliary heater
**	Models with radio
***	Models with navigation system 'NS Low' or (RNS-D)
****	Models additionally equipped with auxiliary heater

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rs	=	pink



Auto-check system, telephone/telematics control unit, combi-processor in dash panel insert

J189	Auto-check system
J218	Combi-processor in dash panel insert
R36	Telephone transmitter and receiver unit
T10ae	10-pin connector, on telephone/telematics control unit
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
T32b	32-pin connector, grey, on dash panel insert
T46	46-pin connector, on telephone/telematics control unit
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only applies to models with driver information system
**	Does not apply to models with driver information system and from model year 2003 onwards

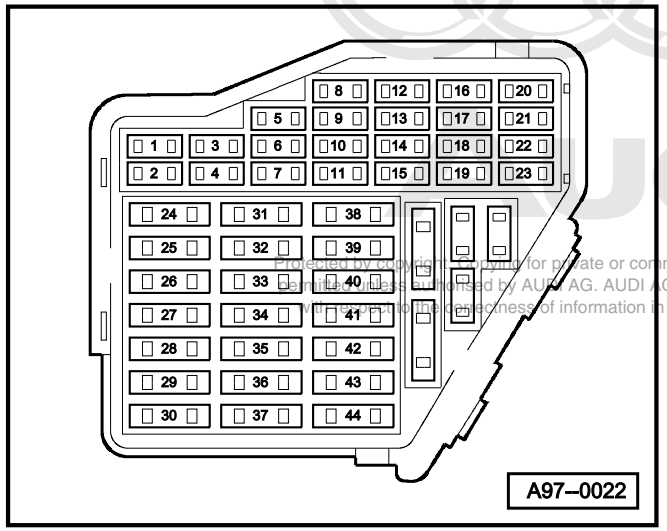
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Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

From model year 2002

Fuse box



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- Dash panel, driver's side

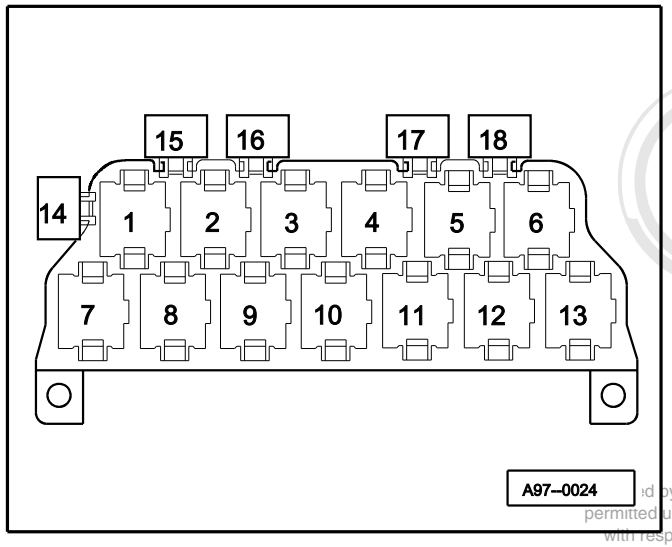
Fuse colours

30 A - green
25 A - white
30 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

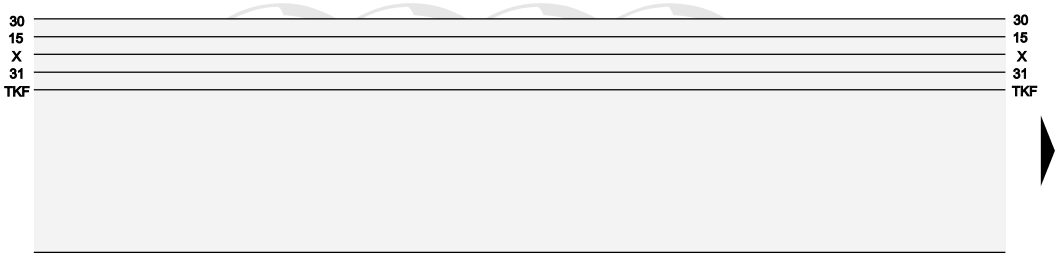
13-point relay carrier



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◆ Above micro-central electrics, under driver's storage compartment

4 - Door warning lamps control unit



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Earth connections

T10l 10-pin connector, red, connector carrier, A pillar, left
T10m 10-pin connector, red, connector carrier, A pillar, right

30 Earth point -1-, next to relay plate

50 Earth point, luggage compartment, left

98 Earth connection, in tailgate/boot lid wiring harness

128 Earth connection -1-, in interior light wiring harness

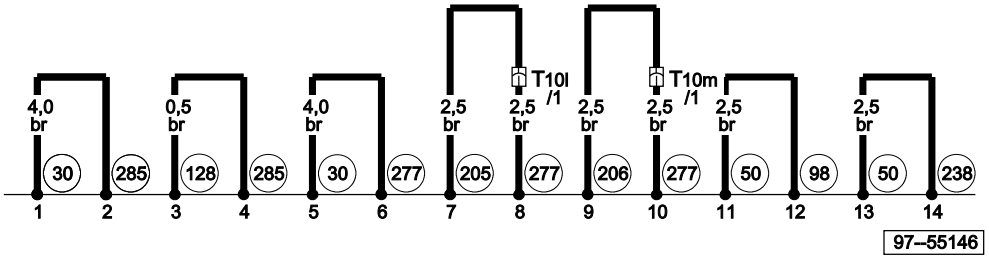
205 Earth connection, in door wiring harness - driver's side

206 Earth connection, in door wiring harness - front passenger's side

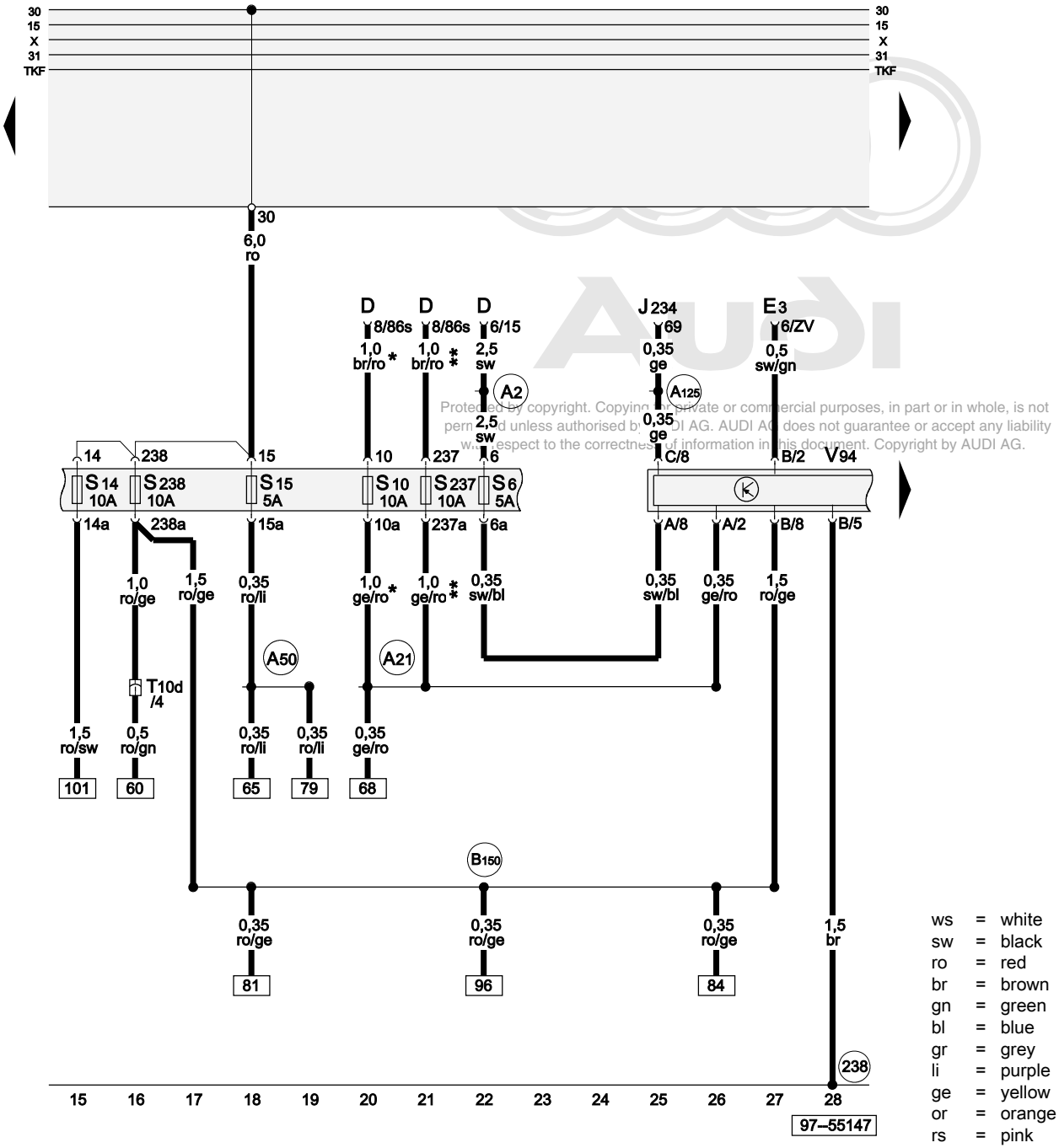
238 Earth connection -1-, in interior wiring harness

277 Earth connection -3-, in interior wiring harness

285 Earth connection -7-, in interior wiring harness



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

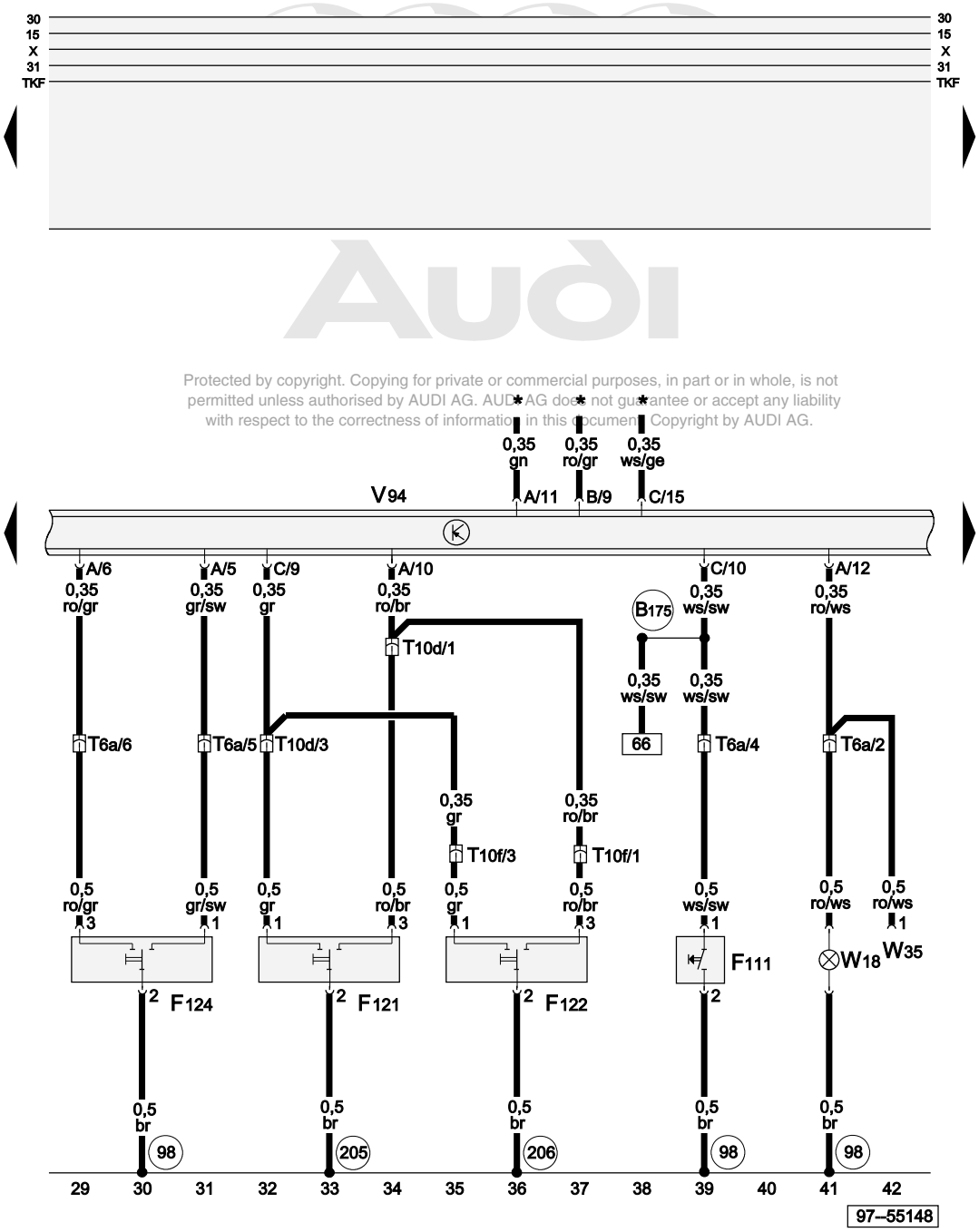


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gr = grey
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Ignition/starter switch, fuses, anti-theft alarm system control unit

D	Ignition/starter switch
E3	Hazard warning light switch
J234	Airbag control unit
S6	Fuse in fuse box/relay plate
S10	Fuse in fuse box/relay plate
S14	Fuse in fuse box/relay plate
S15	Fuse in fuse box/relay plate
S237	Fuse in fuse box
S238	Fuse in fuse box
T10d	10-pin connector, brown, connector carrier, A pillar, left
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
238	Earth connection -1-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
A50	Positive (+) connection (30as), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
*	From November 2001 onwards
**	As of November 2001 no longer fitted

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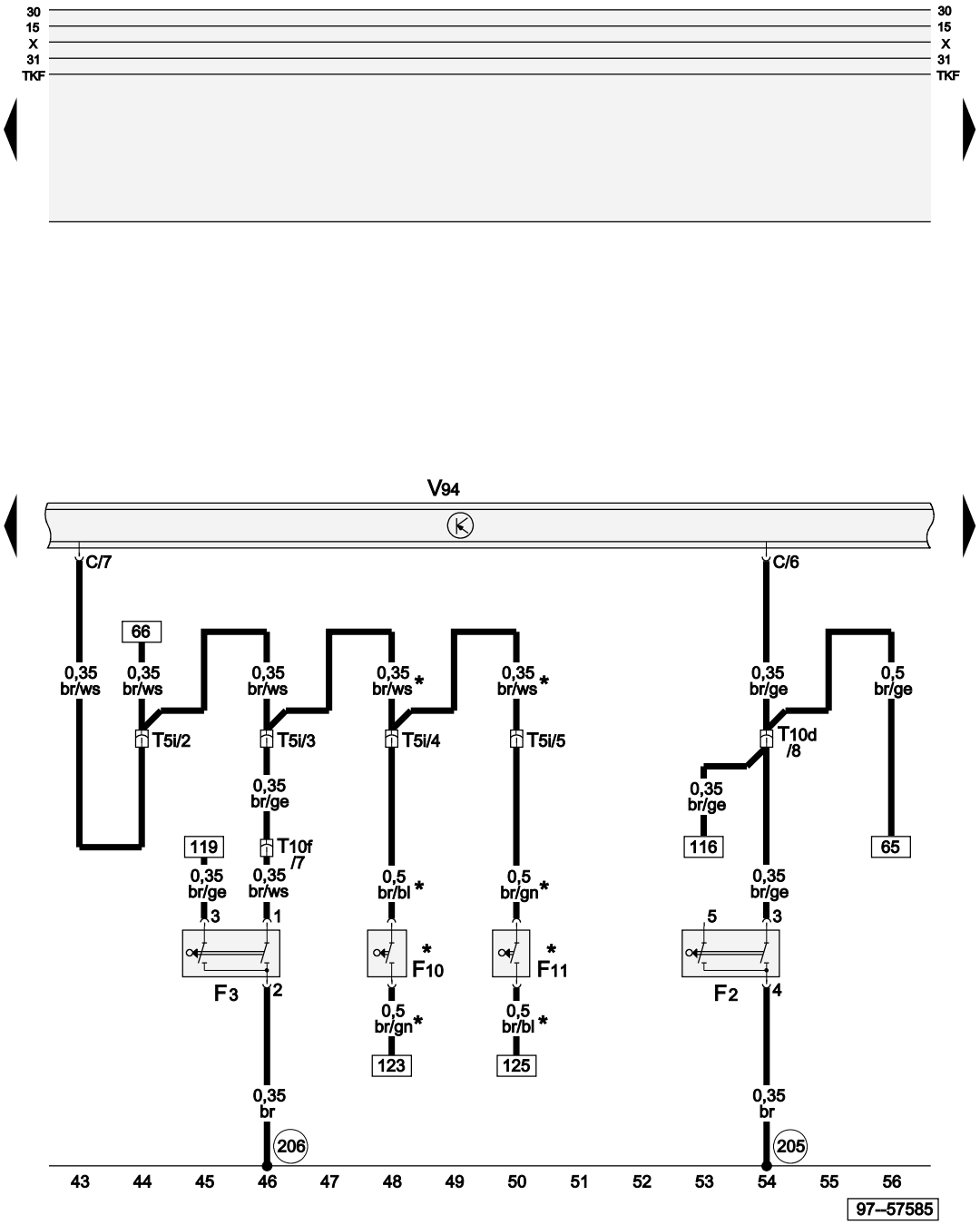


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Contact switches, anti-theft alarm system control unit, luggage compartment lights

F111	Rear lid contact switch
F121	Driver's door handle switch for anti-theft alarm
F122	Front passenger's door handle switch for anti-theft alarm
F124	Contact switch in lock cylinder for rear lid anti-theft alarm system/ central locking system
T6a	6-pin connector, black, in luggage compartment, left
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W18	Luggage compartment light, left
W35	Luggage compartment light, right
98	Earth connection, in rear lid wiring harness
205	Earth connection, in door wiring harness - driver's side
206	Earth connection, in door wiring harness - front passenger's side
B175	Connection (central locking), in interior wiring harness
*	See Current Flow Diagram for 'Electric windows' or 'Sliding sunroof'

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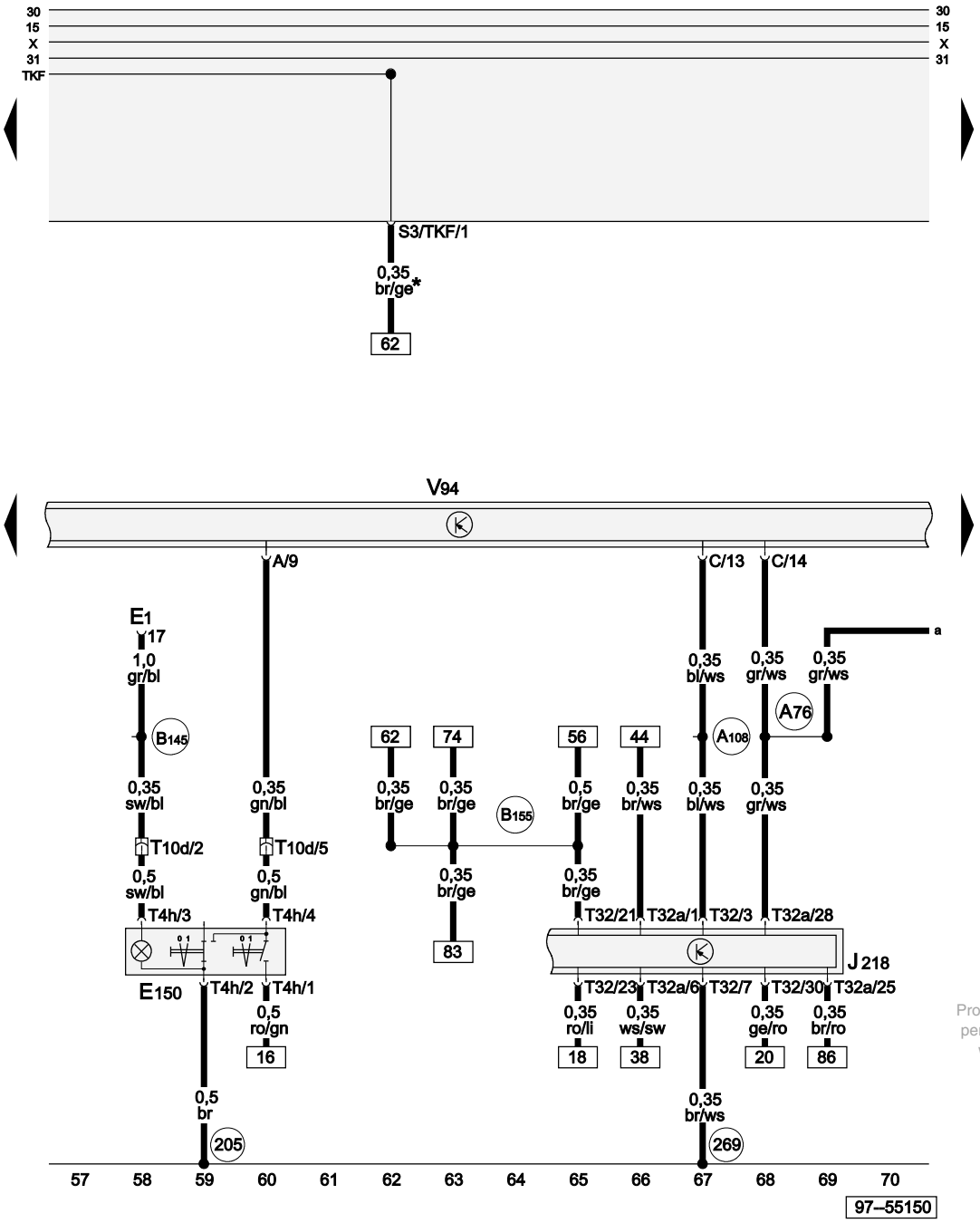


ws = white
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gr = grey
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Door contact switches, anti-theft alarm system control unit

F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
F10	Rear left door contact switch
F11	Rear right door contact switch
T5i	5-pin connector, black, A pillar, left, near relay plate
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
205	Earth connection, in door wiring harness - driver's side
206	Earth connection, in door wiring harness - front passenger's side
*	Only on 4-door models

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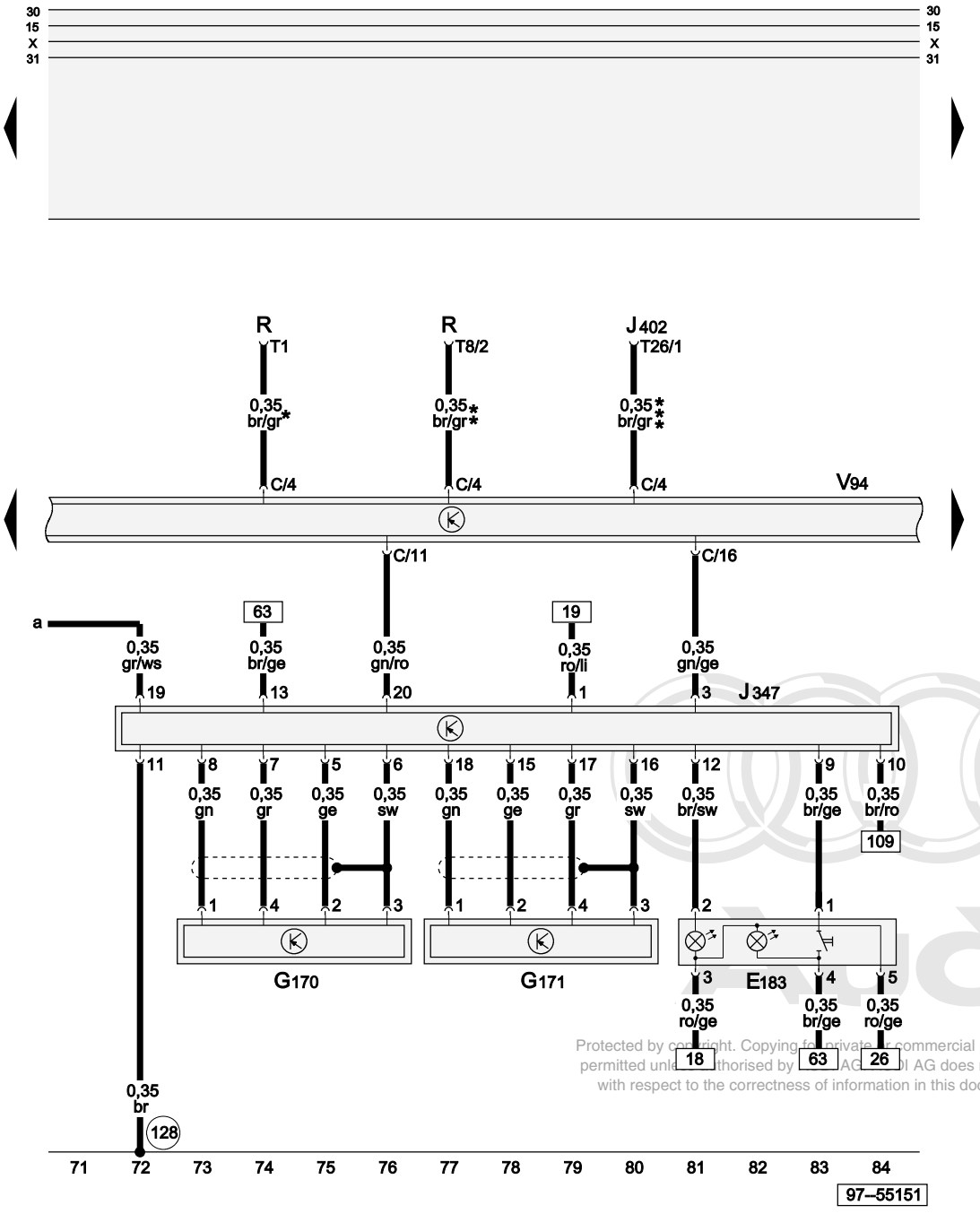


Combi-processor in dash panel insert, anti-theft alarm system control unit

E1	Lighting switch
E150	Interior locking switch, driver's side
J218	Combi-processor in dash panel insert
T4h	4-pin connector, black, interior locking, in driver's door
T10d	10-pin connector, brown, connector carrier, A pillar, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
205	Earth connection, in door wiring harness - driver's side
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B155	Connection -2- (TK (door contact)), in interior wiring harness
*	Only applies to models with petrol engines

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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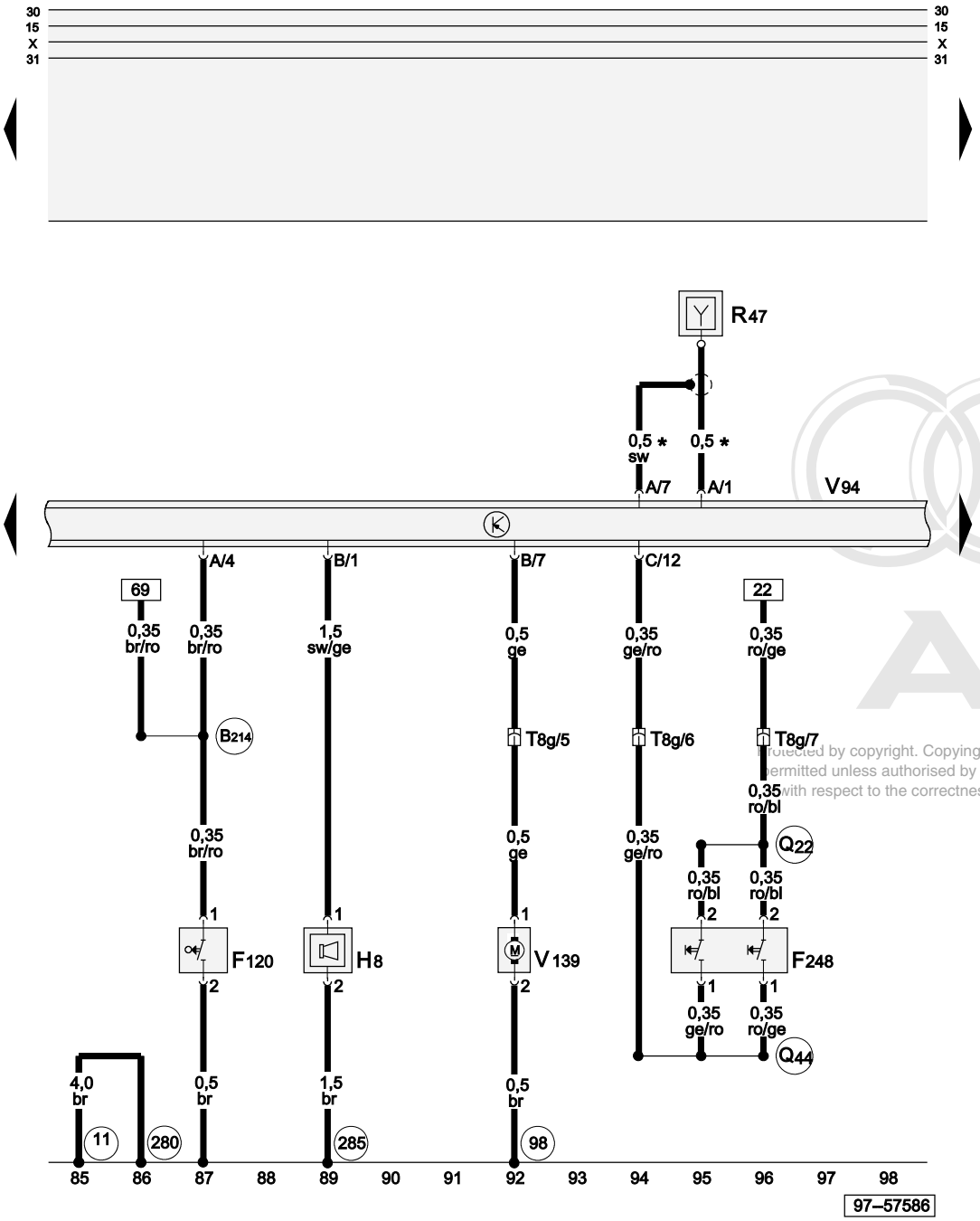


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Interior monitor switch, ultra-sonic sensors, ultra-sonic sensor control unit, anti-theft alarm system control unit

E183	Interior monitor switch
G170	Left ultra-sonic sensor for anti-theft alarm system
G171	Right ultra-sonic sensor for anti-theft alarm system
J347	Ultra-sonic sensor control unit
J402	Operating electronics control unit, navigation
R	Radio
T1	Single connector, brown, on radio
T8	8-pin connector, on radio
T26	26-pin connector, black, on navigation control unit
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
128	Earth connection -1-, in interior light wiring harness
*	With radio, as of November 2001 no longer fitted
**	With radio, from November 2001 onwards
***	Only with navigation system RNS-D, from November 2001 onwards

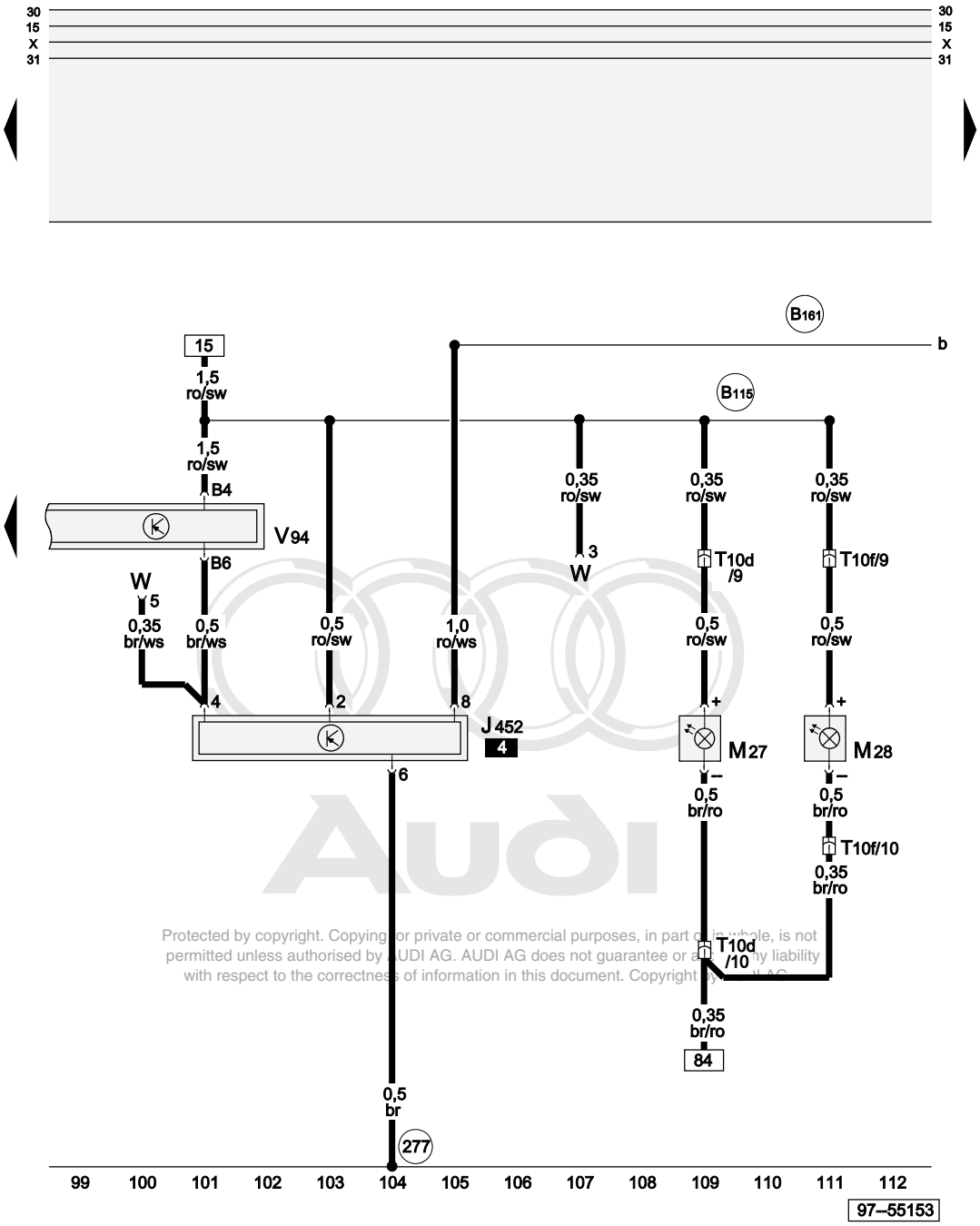


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Anti-theft alarm system contact switch, release button for rear lid lock cylinder, rear lid release motor

F120	Anti-theft alarm/vermin repellent system contact switch
F248	Release button for rear lid lock cylinder
H8	Anti-theft alarm system horn
R47	Central locking and anti-theft alarm system aerial
T8g	8-pin connector, brown, in luggage compartment, left
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
V139	Rear lid release motor
11	Earth point, in battery box
98	Earth connection, in rear lid wiring harness
280	Earth connection, in communication systems wiring harness
285	Earth connection -7-, in interior wiring harness
B214	Connection -1- (central locking), in interior wiring harness
Q22	Connection -1-, in rear lid wiring harness
Q44	Connection -2-, in rear lid wiring harness
*	Only models with radio-operated remote control

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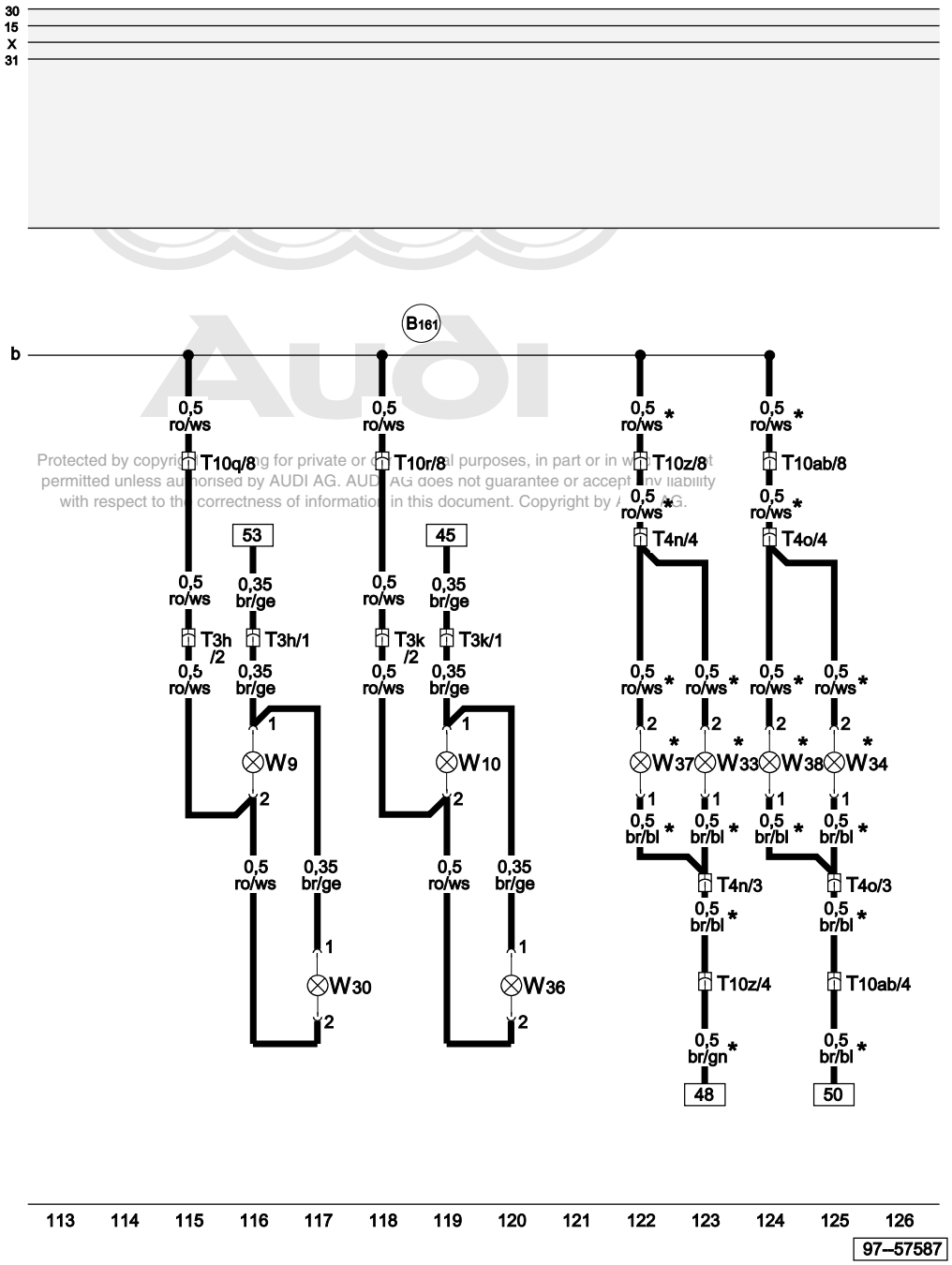


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Door warning lamps control unit, door warning lamps

J452	Door warning lamps control unit
M27	Door warning lamp, left
M28	Door warning lamp, right
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W	Interior light, front
277	Earth connection -3-, in interior wiring harness
B115	Positive (+) connection (30, central electrics), in interior wiring harness
B161	Connection (anti-theft alarm), in interior wiring harness

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Left and right footwell light, left and right door warning lamp

T3h	3-pin connector, black, vehicle interior, in driver's door
T3k	3-pin connector, black, vehicle interior, in front passenger's door
T4n	4-pin connector, black, in rear left door
T4o	4-pin connector, black, in rear right door
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right
T10z	10-pin connector, green, connector carrier, B pillar, left
T10ab	10-pin connector, green, connector carrier, B pillar, left
W9	Left footwell light
W10	Right footwell light
W30	Door warning lamp, driver's side
W33	Rear left entry light
W34	Rear right entry light
W36	Door warning lamp, front passenger's side
W37	Door warning lamp, rear left
W38	Door warning lamp, rear right
B161	Connection (anti-theft alarm), in interior wiring harness
*	Only on 4-door models

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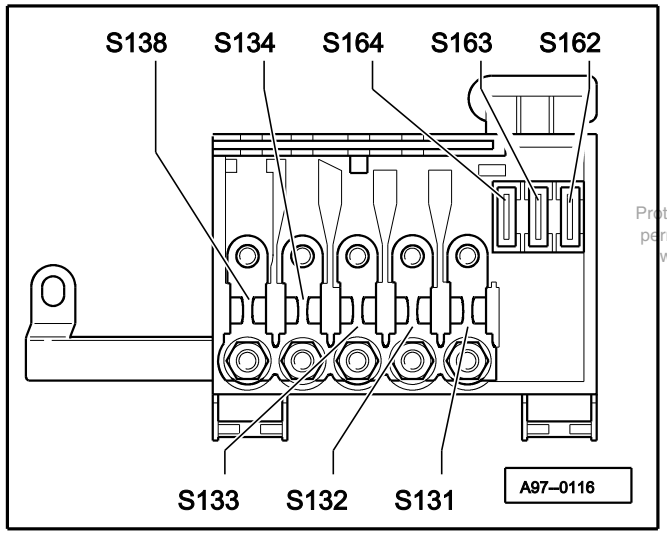
1.9 litre diesel engine, TDI, 66 kW, 4-cylinder, engine code ALH

From model year 2001

1.9 litre diesel engine, TDI, 81 kW, 4-cylinder, engine code ASV

From model year 2001

Main fuse box/battery

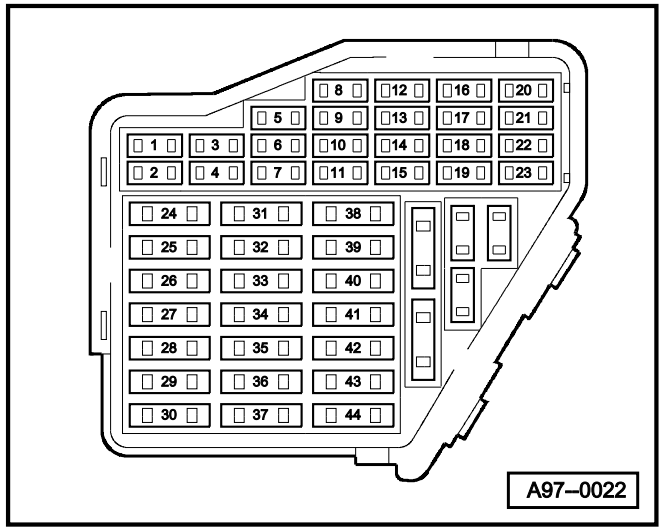


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♦ On battery, in engine compartment, front left

Position of fuses
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - Fuse -1- (30), in fuse box/battery
S163 - Fuse -2- (30), in fuse box/battery
S164 - Fuse -3- (30), in fuse box/battery

Fuse box



- Dash panel, driver's side

Fuse colours

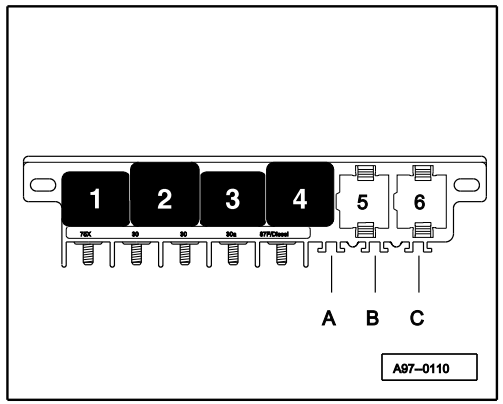
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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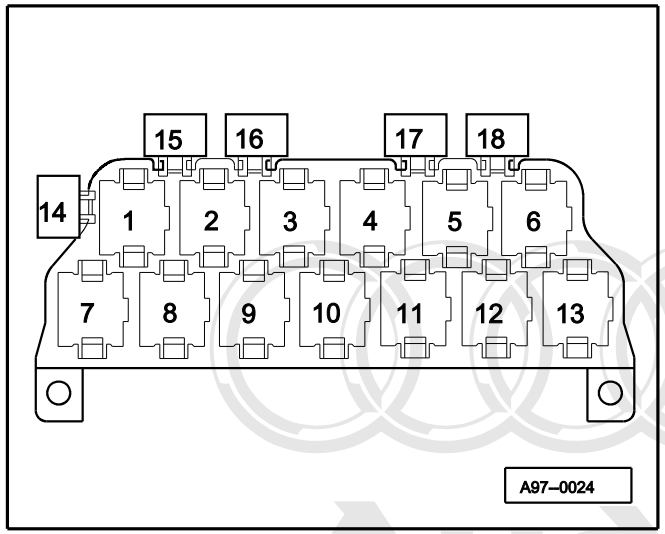
Micro-central electrics



◆ Under driver's storage compartment

4 - Relay for glow plugs (J52)

13-point relay carrier



◆ Above micro-central electrics, under driver's storage compartment

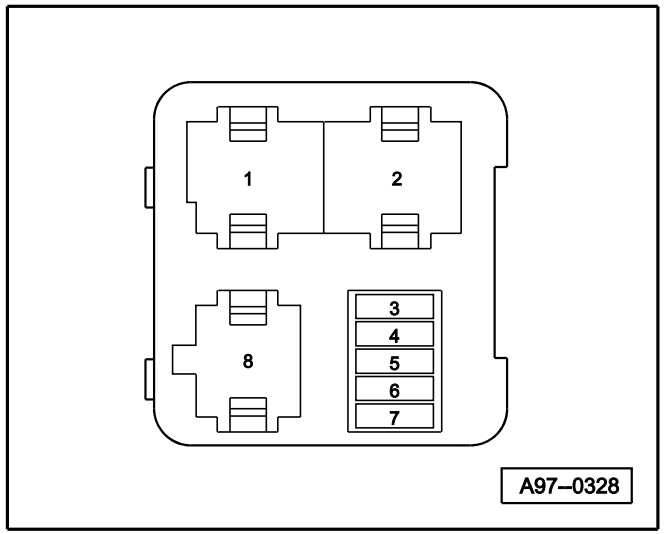
9 - Fuel pump relay for models with four-wheel drive (J17)

12 - Diesel direct injection system relay (J322)

13 - Radiator fan run-on relay (J397)

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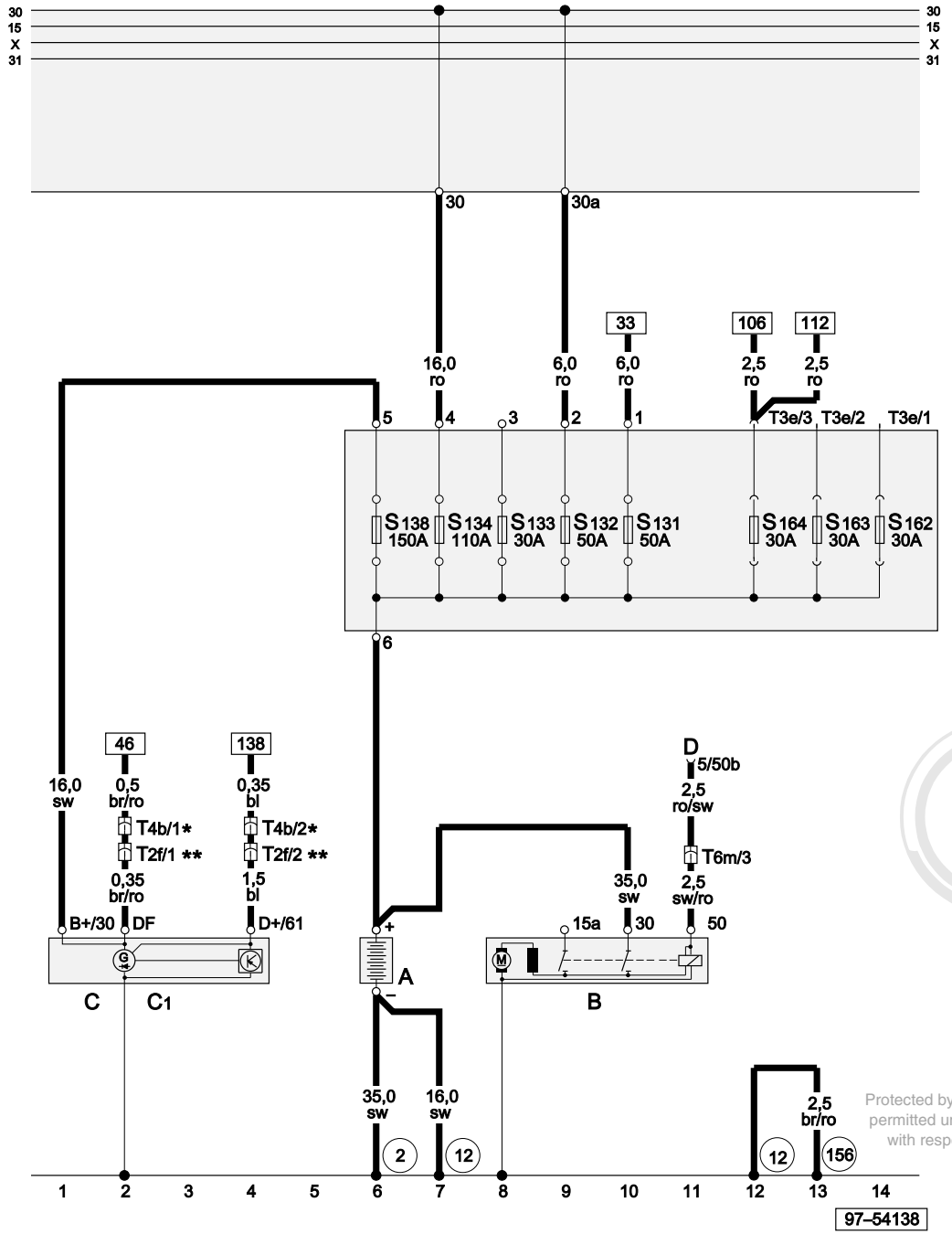
3-point relay carrier/fuse box



♦ In engine compartment, front left, in plenum chamber, near brake master cylinder

1 - High heat output relay (J360)
2 - Low heat output relay (J359)

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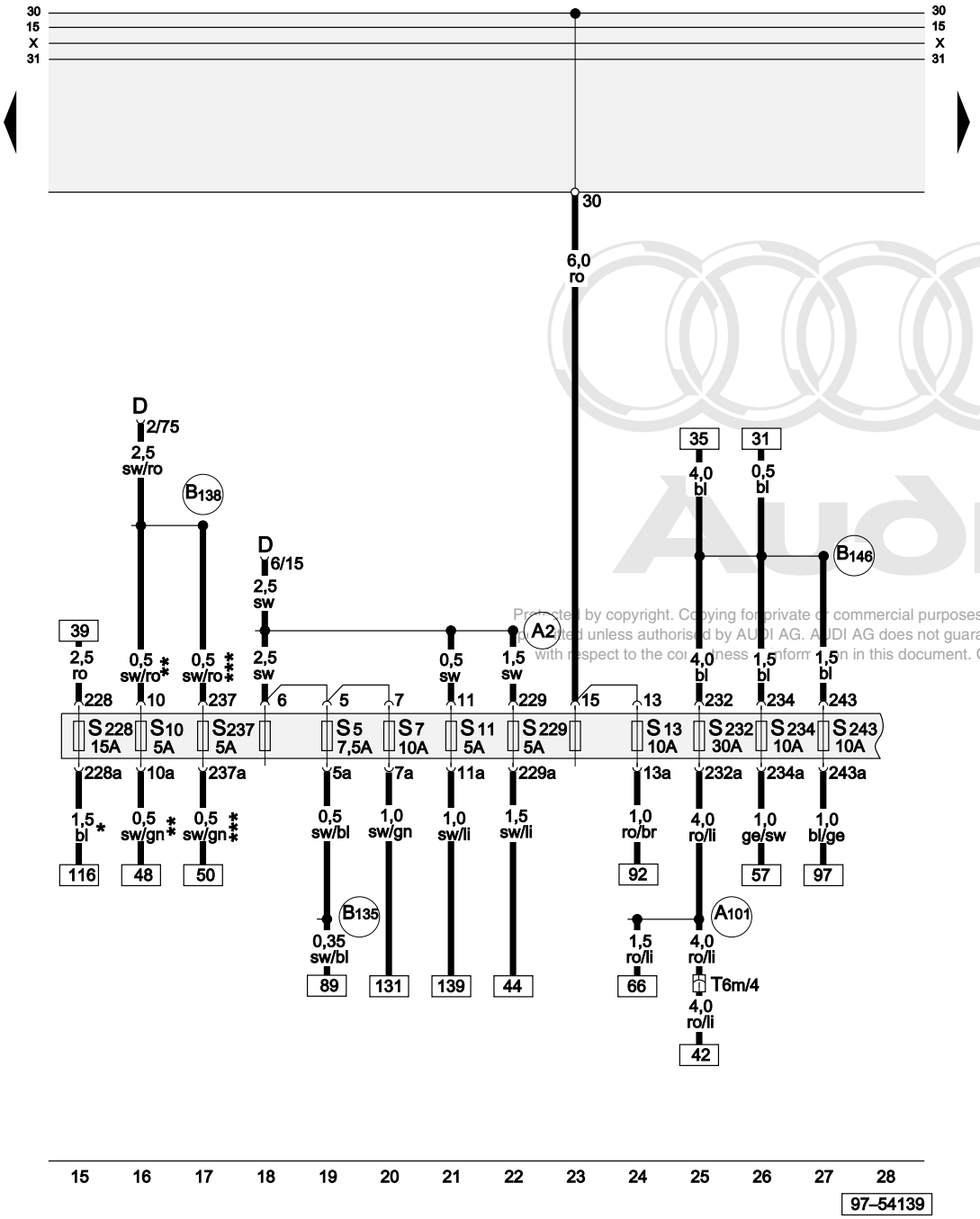


Starter, battery, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1
S132	Fuse 2
S133	Fuse 3
S134	Fuse 4
S138	Fuse 5
S162	Fuse -1- (30), in fuse box/battery
S163	Fuse -2- (30), in fuse box/battery
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, alternator, in engine compartment, left
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
(2)	Earth strap, gearbox - body
(12)	Earth point, in engine compartment, left
(156)	Earth connection, in diesel direct injection wiring harness
*	Only models with air conditioner
**	Only models without air conditioner

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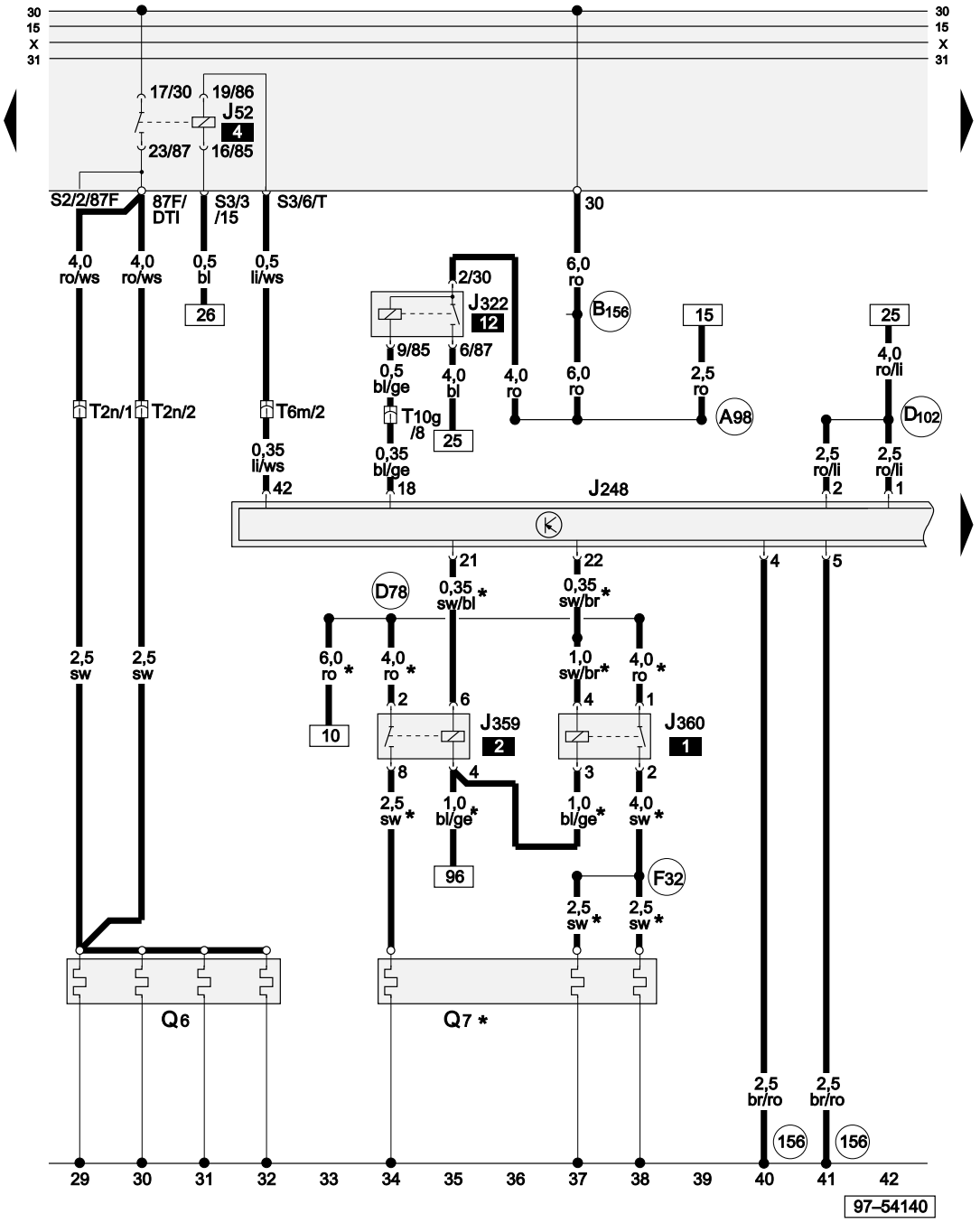
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Fuses

D	Ignition/starter switch
S5	Fuse in fuse box/relay plate
S7	Fuse in fuse box/relay plate
S10	Fuse in fuse box/relay plate
S11	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S228	Fuse in fuse box
S229	Fuse in fuse box
S232	Fuse in fuse box
S237	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
T6m	6-pin connector, brown, in plenum chamber
A2	Positive (+) connection (15), in dash panel wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
B138	Positive (+) connection (X), in interior wiring harness
B146	Positive (+) connection -1- (87), in interior wiring harness

* Only models with four-wheel drive
** As of November 2001 no longer fitted
*** From November 2001 onwards

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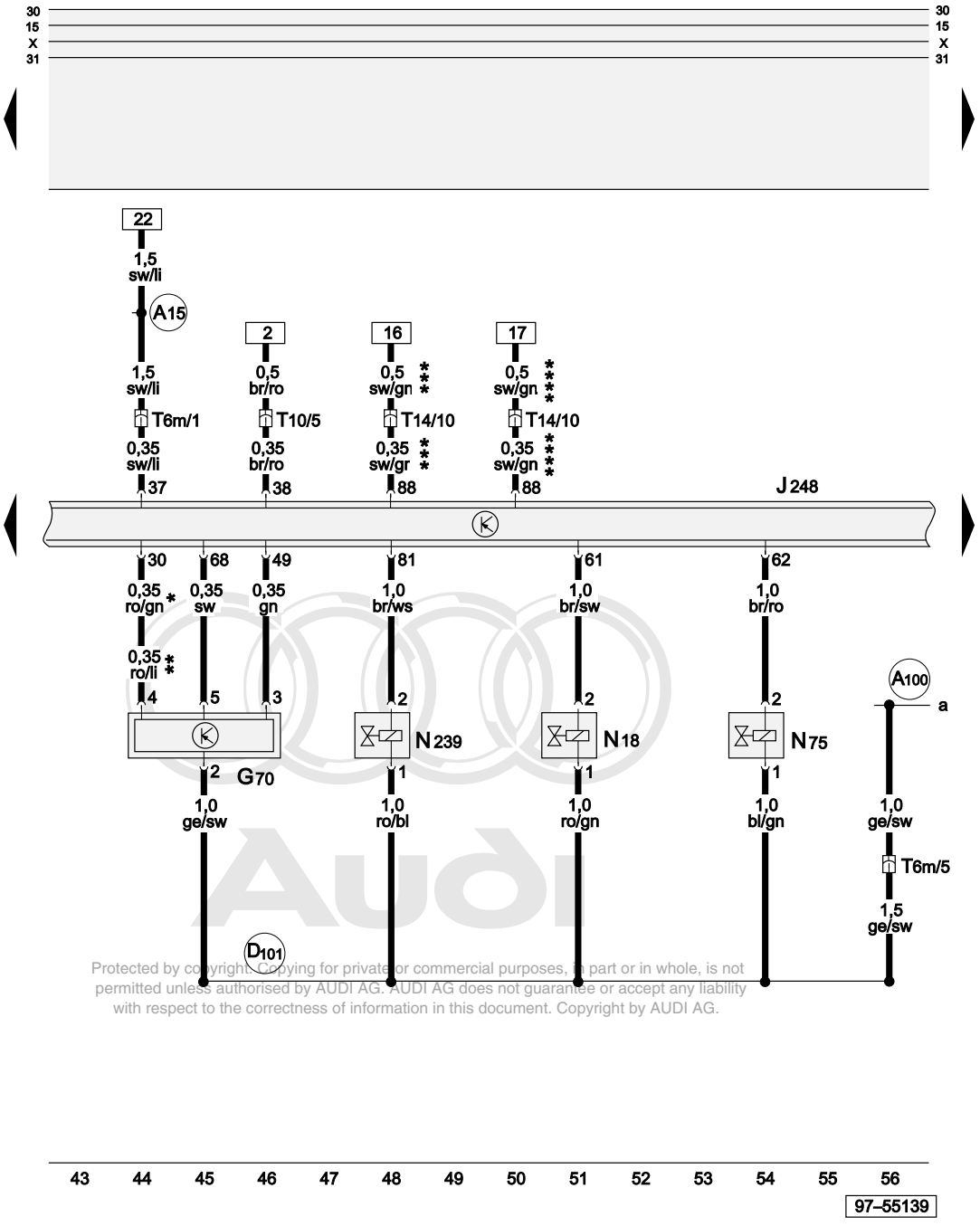


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Diesel direct injection system relay, glow plugs - (engine), coolant heating elements, diesel direct injection system control unit

J52	Glow plug relay
J248	Diesel direct injection system control unit
J322	Diesel direct injection system relay
J359	Low heat output relay
J360	High heat output relay
Q6	Glow plugs - (engine)
Q7	Coolant heating elements
T2n	2-pin connector, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
D102	Connection -2-, in engine compartment wiring harness
F32	Connection (coolant heating elements), in diesel direct injection system wiring harness
*	Only models with heater elements and heater for crankcase breather

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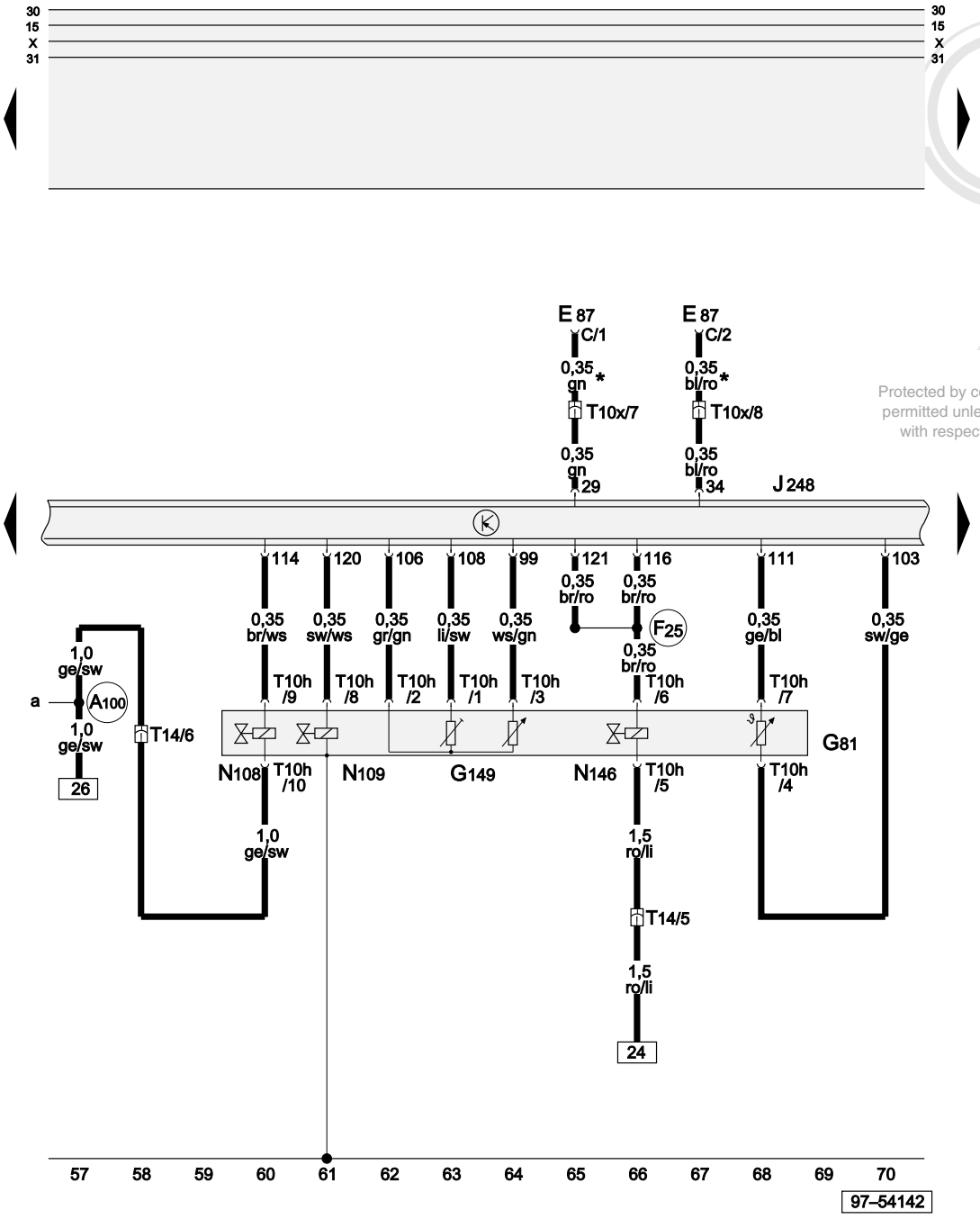


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Air mass meter, charge pressure control solenoid valve, diesel direct injection system control unit, intake manifold flap change-over valve, exhaust gas recirculation valve

G70	Air mass meter
J248	Diesel direct injection system control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Intake manifold flap change-over valve
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in engine compartment, left
A15	Positive (+) connection (15), in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
D101	Connection -1-, in engine compartment wiring harness
*	Only models with heater elements
**	Only models without heater elements
***	As of November 2001 no longer fitted
****	From November 2001 onwards

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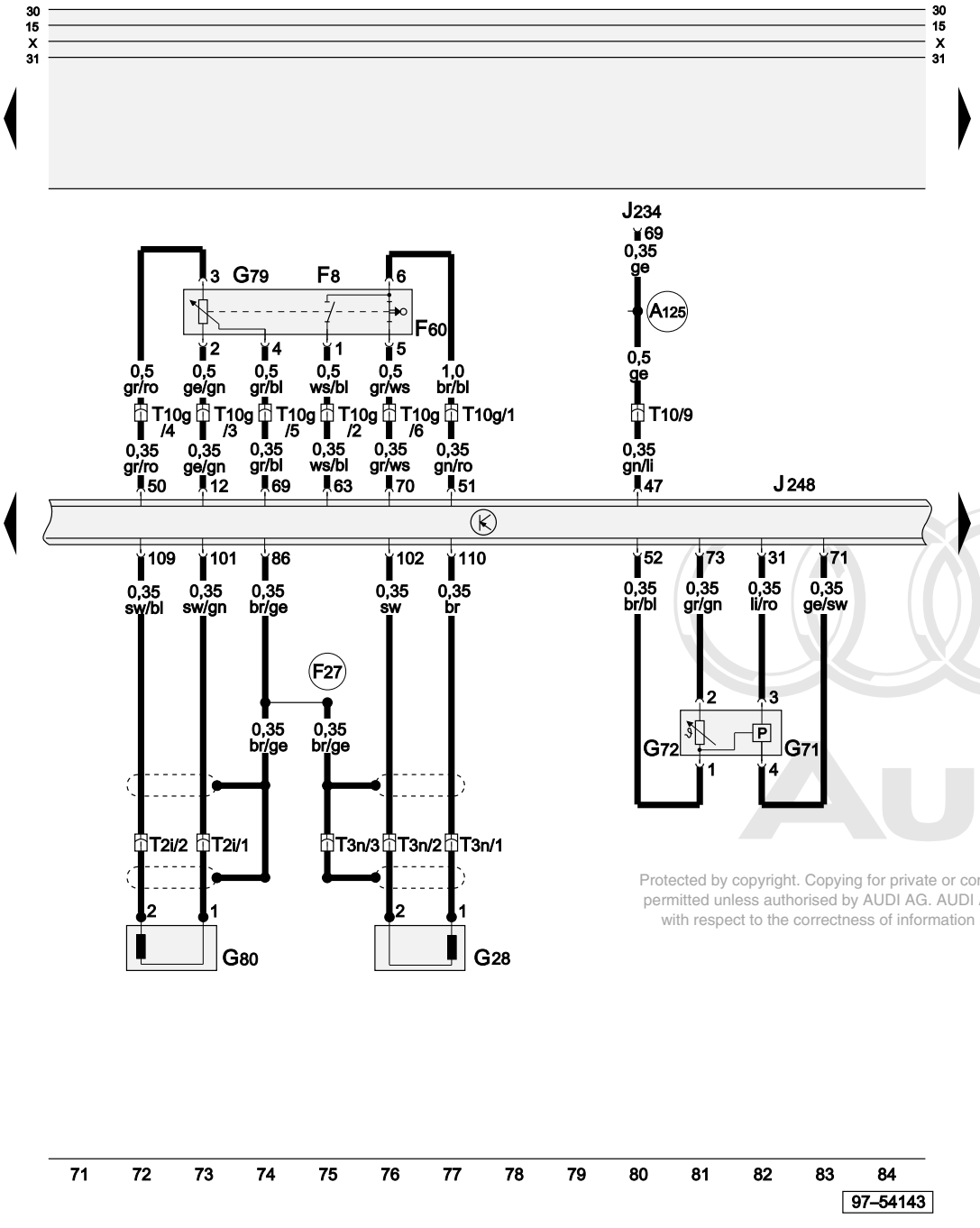


Fuel temperature sender and modulating piston movement sender, fuel shut-off valve, metering adjuster, diesel direct injection system control unit, commencement of injection valve

E87	Control and display unit for air conditioner/Climatronic
G81	Fuel temperature sender
G149	Modulating piston movement sender
J248	Diesel direct injection system control unit
N108	Commencement of injection valve
N109	Fuel shut-off valve
N146	Metering adjuster
T10h	10-pin connector, black, on injection pump, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
A100	Connection -2- (87), in dash panel wiring harness
F25	Connection -1-, in diesel direct injection system wiring harness
*	Only models with air conditioner

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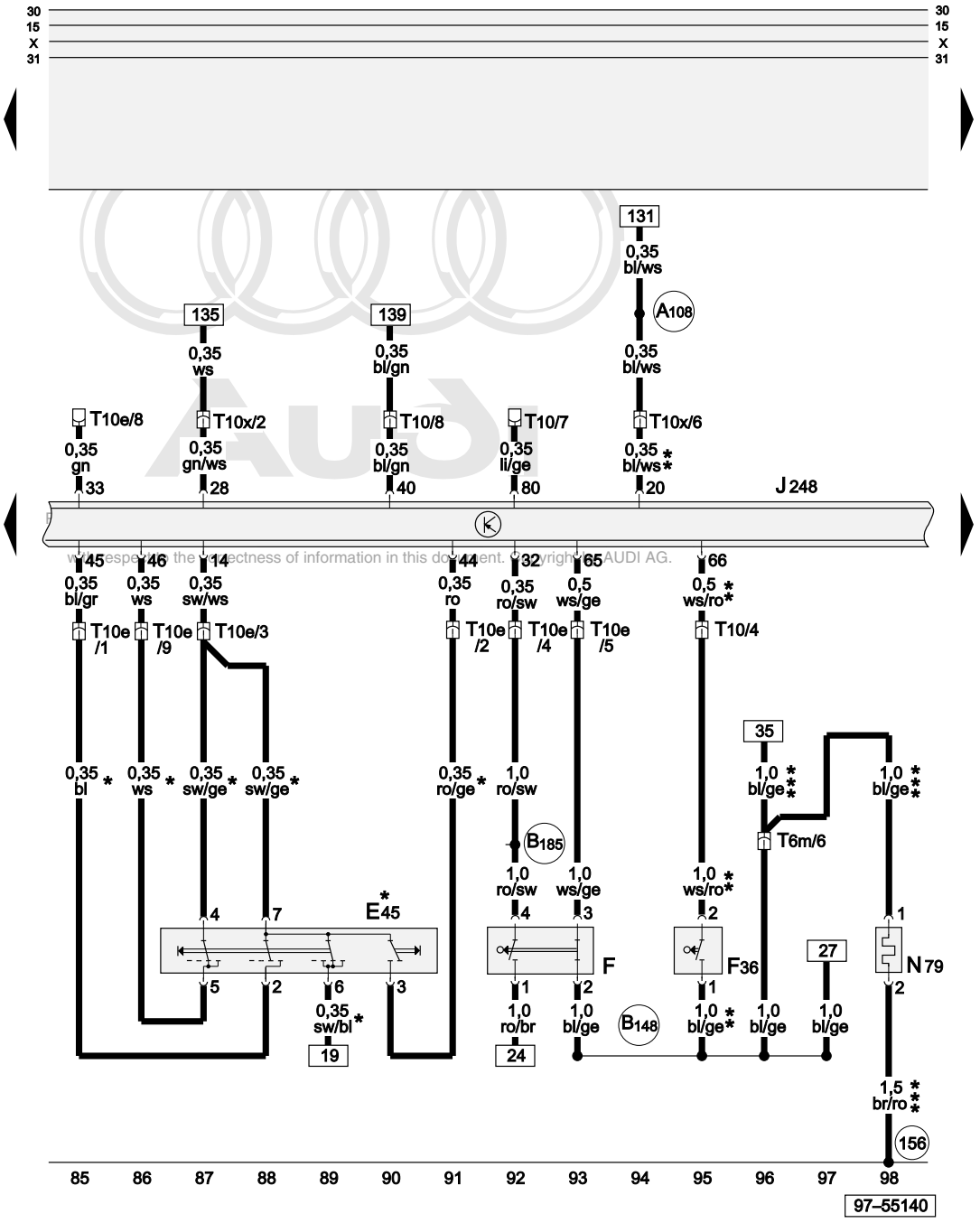


Accelerator pedal position sender, engine speed sender, needle lift sender, intake manifold pressure sender, intake manifold temperature sender, diesel direct injection system control unit

F8	Kick-down switch
F60	Idling switch
G28	Engine speed sender
G71	Intake manifold pressure sender
G72	Intake manifold temperature sender
G79	Accelerator pedal position sender
G80	Needle lift sender
J234	Airbag control unit
J248	Diesel direct injection system control unit
T2i	2-pin connector, black, on needle lift sender
T3n	3-pin connector, grey, engine speed sender, in engine compartment
T10	10-pin connector, white, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
A125	Connection (crash signal), in dash panel wiring harness
F27	Connection (screening), in diesel direct injection wiring harness

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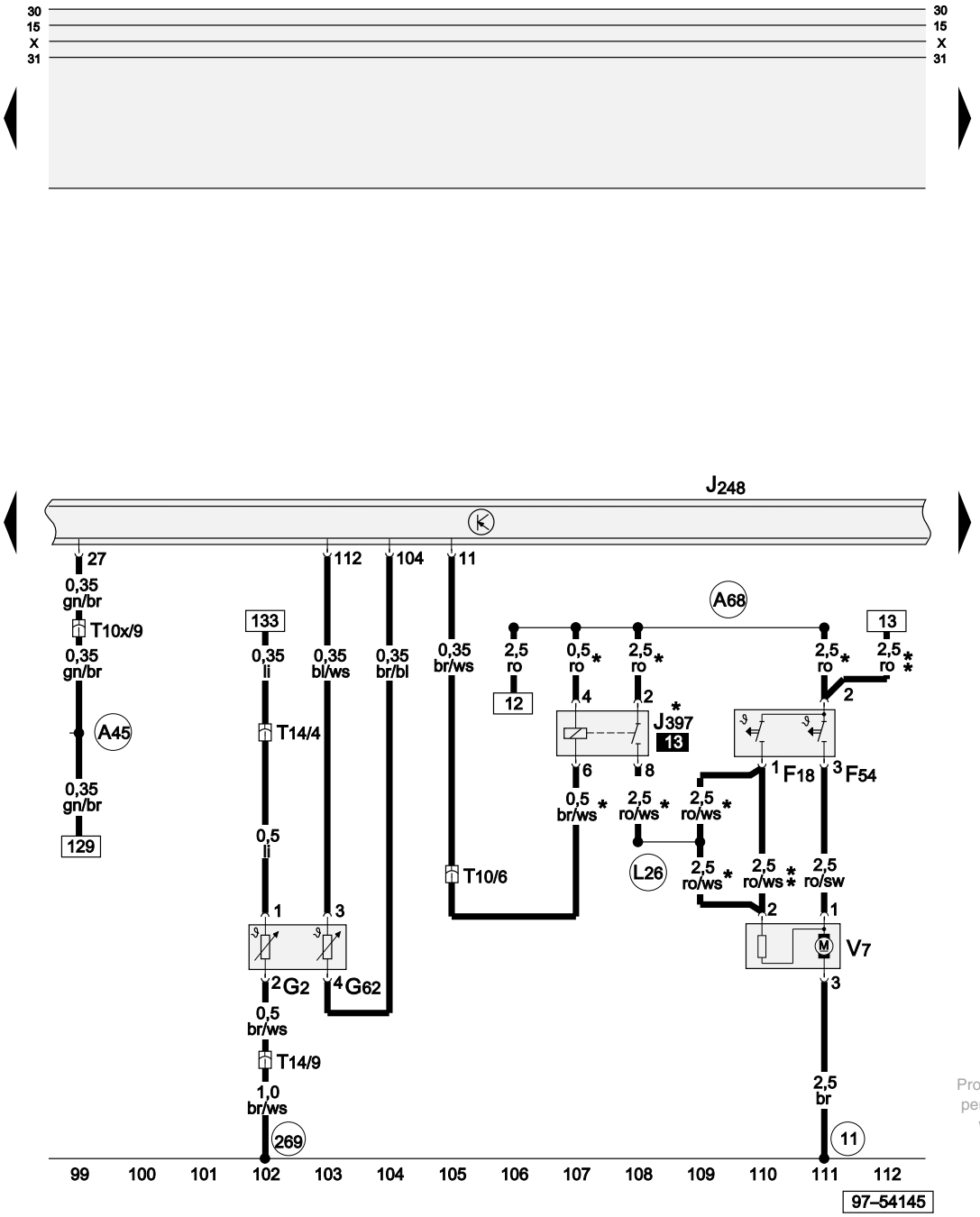


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Brake pedal switch, heater element (crankcase breather), clutch pedal switch, cruise control system switch, diesel direct injection system control unit

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
J248	Diesel direct injection system control unit
N79	Heater element (crankcase breather)
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B148	Positive (+) connection -3- (87), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with cruise control system
**	Only models with manual gearbox
***	Only models with heater elements

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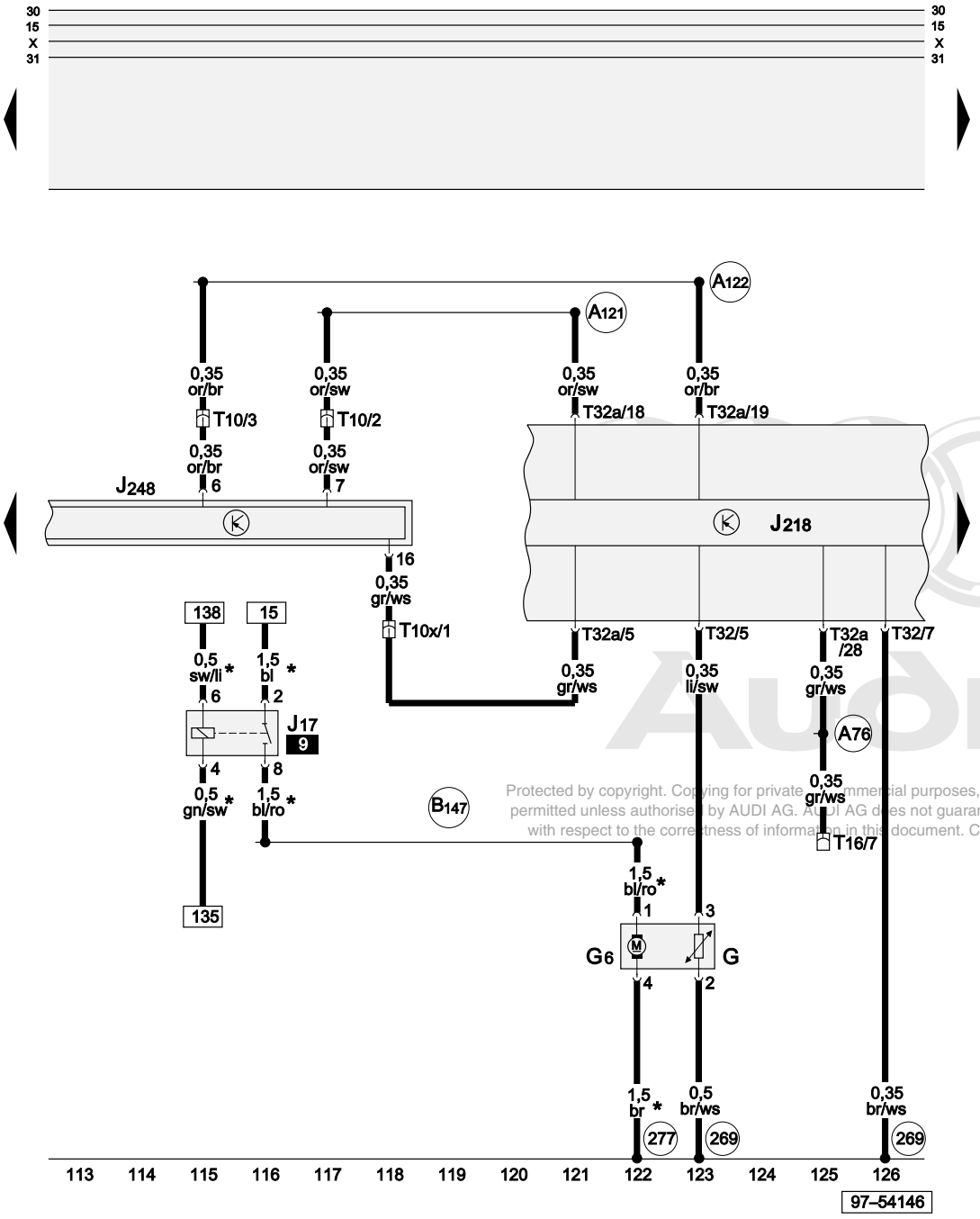


Coolant temperature senders, radiator fan, diesel direct injection system control unit

F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
G2	Coolant temperature sender
G62	Coolant temperature sender
J248	Diesel direct injection system control unit
J397	Radiator fan run-on relay
T14	14-pin connector, in engine compartment, left
T10	10-pin connector, white, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
V7	Radiator fan
11	Earth point, in battery box
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A68	Connection (30, air conditioner), in dash panel wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
*	Only applies to models with engine code ASV
**	Only applies to models with engine code ALH

ws	=	white
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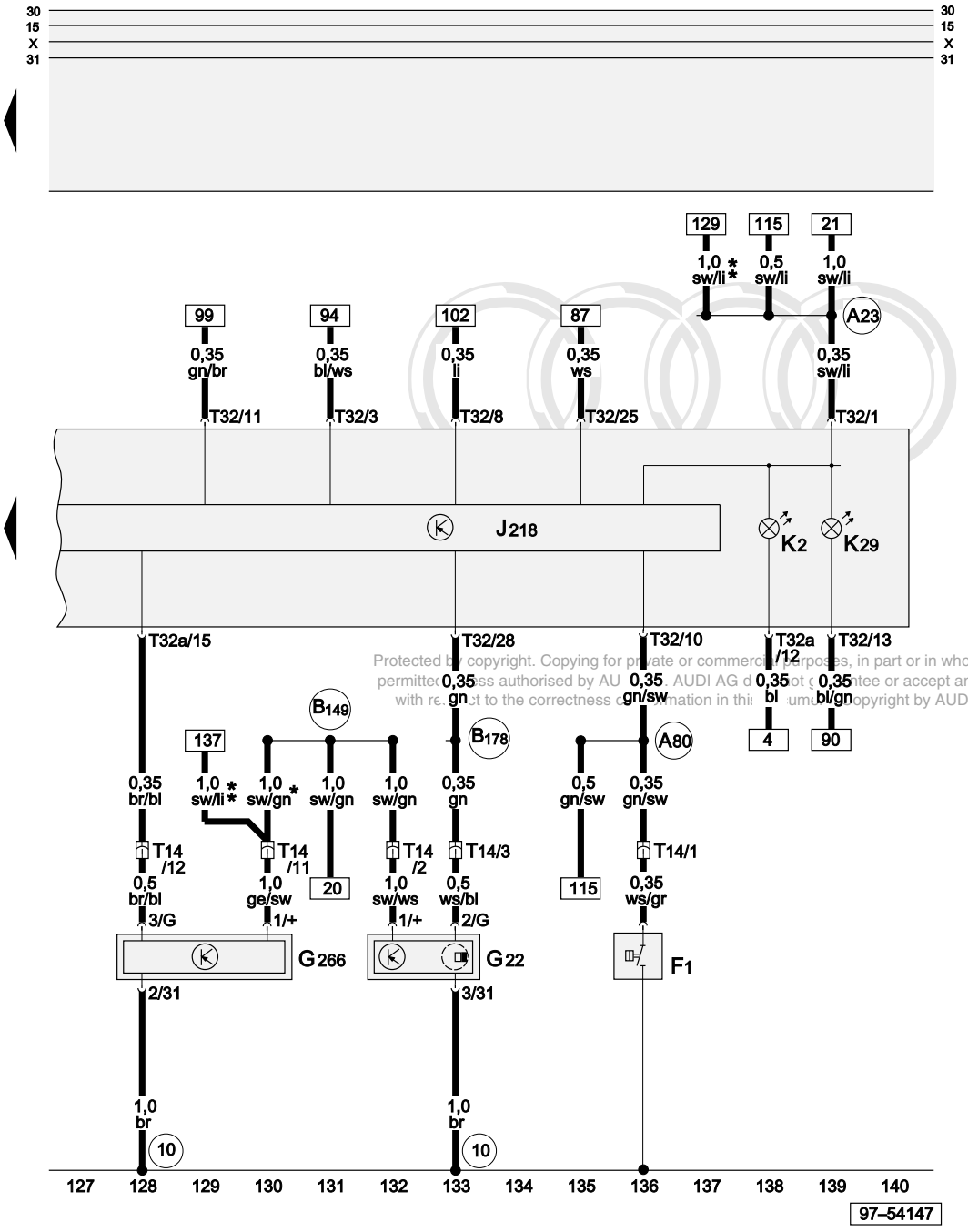


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Diagnostic connector, combi-processor in dash panel insert, fuel pump, fuel pump relay

G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
J17	Fuel pump relay
J218	Combi-processor in dash panel insert
J248	Diesel direct injection system control unit
T10	10-pin connector, white, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
277	Earth connection -3-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness
*	Only models with four-wheel drive

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Speedometer sender, oil level/oil temperature sender, oil pressure switch, combi-processor in dash panel insert, warning lamps

F1	Oil pressure switch
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level/oil temperature sender
J218	Combi-processor in dash panel insert
K2	Alternator warning lamp
K29	Glow period warning lamp
T14	14-pin connector, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
10	Earth point, in plenum chamber
A23	Connection (30al), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
B178	Connection (speed signal), in interior wiring harness
*	As of model year 2002 no longer fitted
**	Only applicable from model year 2002 onwards

1.8 l Fuel injection engine (165 kW - Motronic - 4 cylinder), engine code BAM

from model year 2002

Notes:

For information concerning

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

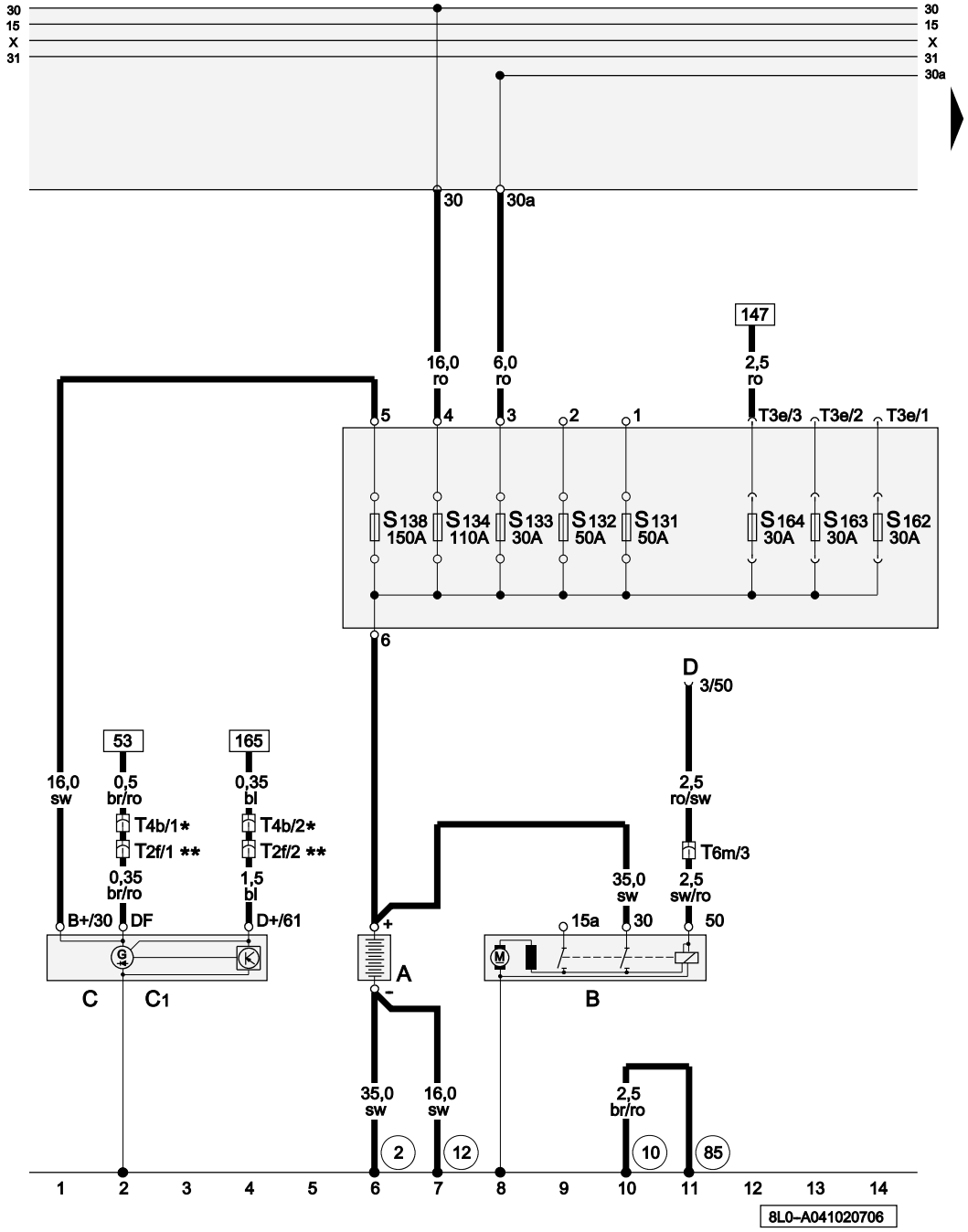
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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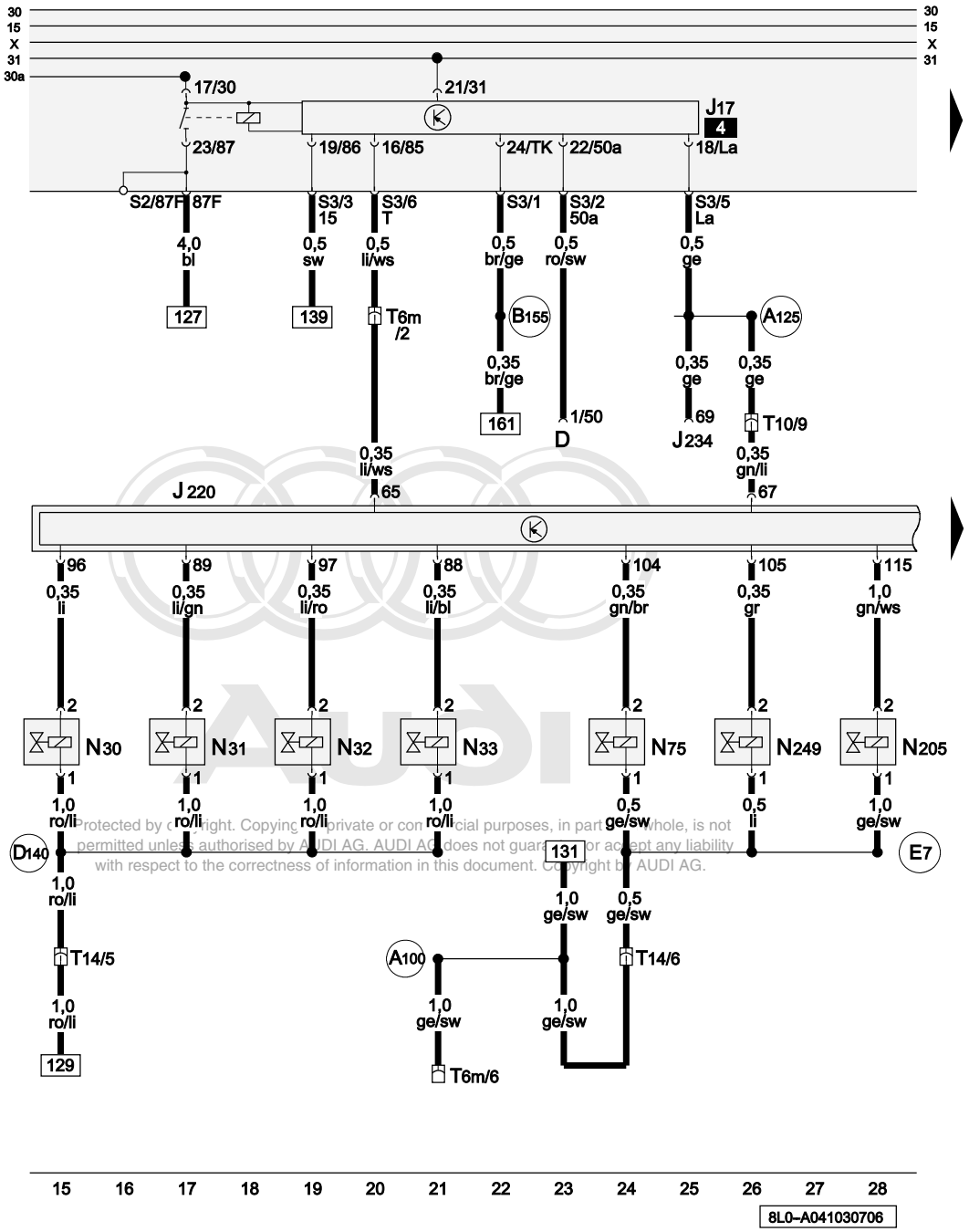


Starter, battery, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
S131	Fuse 1 in the fuse holder/battery
S132	Fuse 2 in the fuse holder/battery
S133	Fuse 3 in the fuse holder/battery
S134	Fuse 4 in the fuse holder/battery
S138	Fuse 5 in the fuse holder/battery
S162	Fuse 1 (30) in fuse holder on battery
S163	Fuse 2 (30) in fuse holder on battery
S164	Fuse 3 (30) in fuse holder on battery
T2f	2-pin connector, alternator, in left engine compartment
T3e	3-pin connector, black, on main fuse box
T4b	4-pin connector, in left engine compartment
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
10	Earth point, in plenum chamber
12	Earth point, on left in engine compartment
85	Earth connection 1, in engine compartment wiring harness
*	with air conditioning system
**	without air conditioning system

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sw	=	black
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gn	=	green
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rs	=	pink

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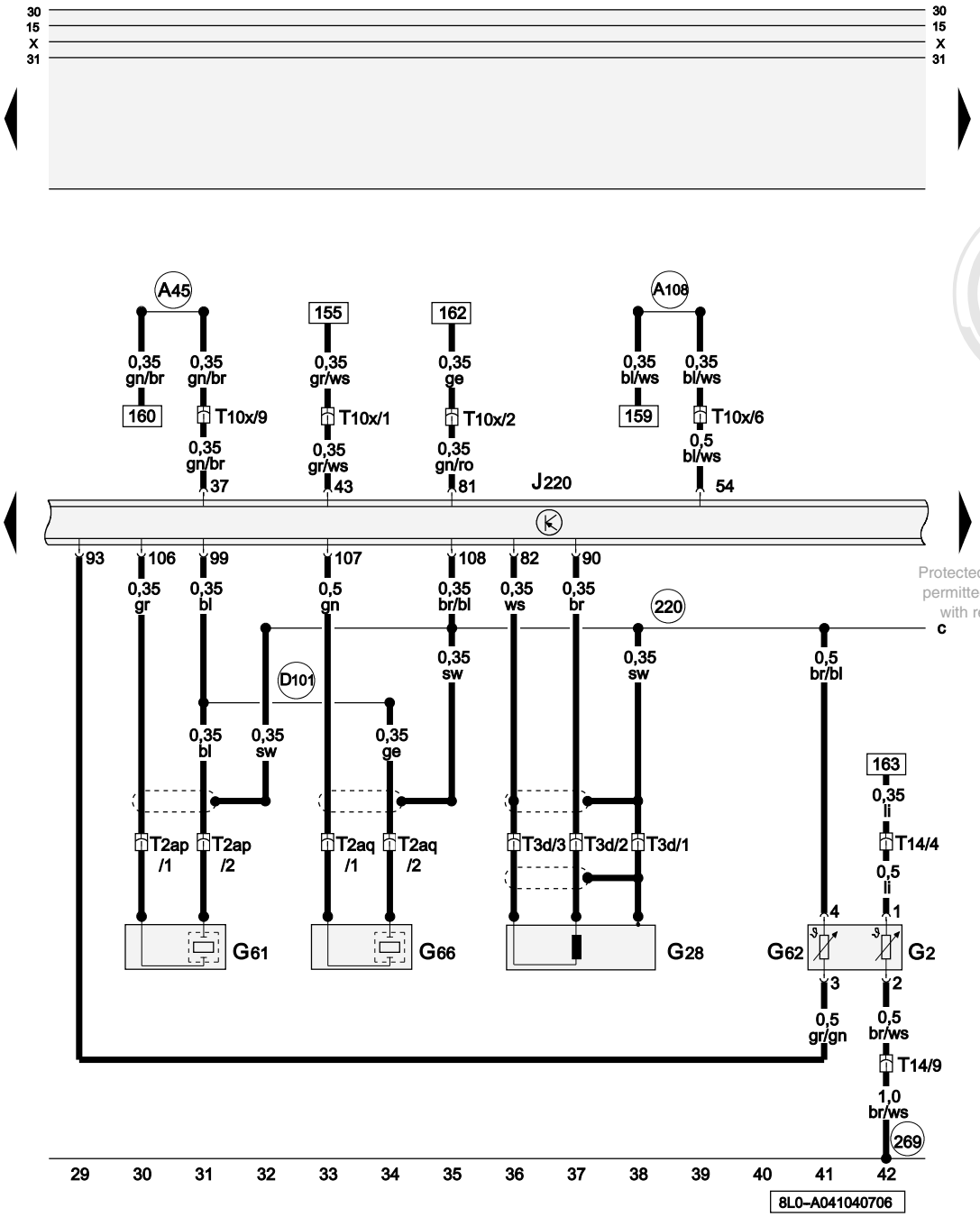


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Motronic control unit, fuel pump relay, injectors, solenoid valve

D	Ignition/starter switch
J17	Fuel pump relay
J220	Motronic control unit
J234	Airbag control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N75	Charge pressure control solenoid valve
N205	Inlet camshaft control valve 1
N249	Turbocharger air recirculation valve
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in left engine compartment
A100	Connection 2 (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B155	Connection 2 (DCt), in interior wiring harness
D140	Connection (injectors), in engine wiring harness
E7	Positive connection (87a), in Motronic wiring harness

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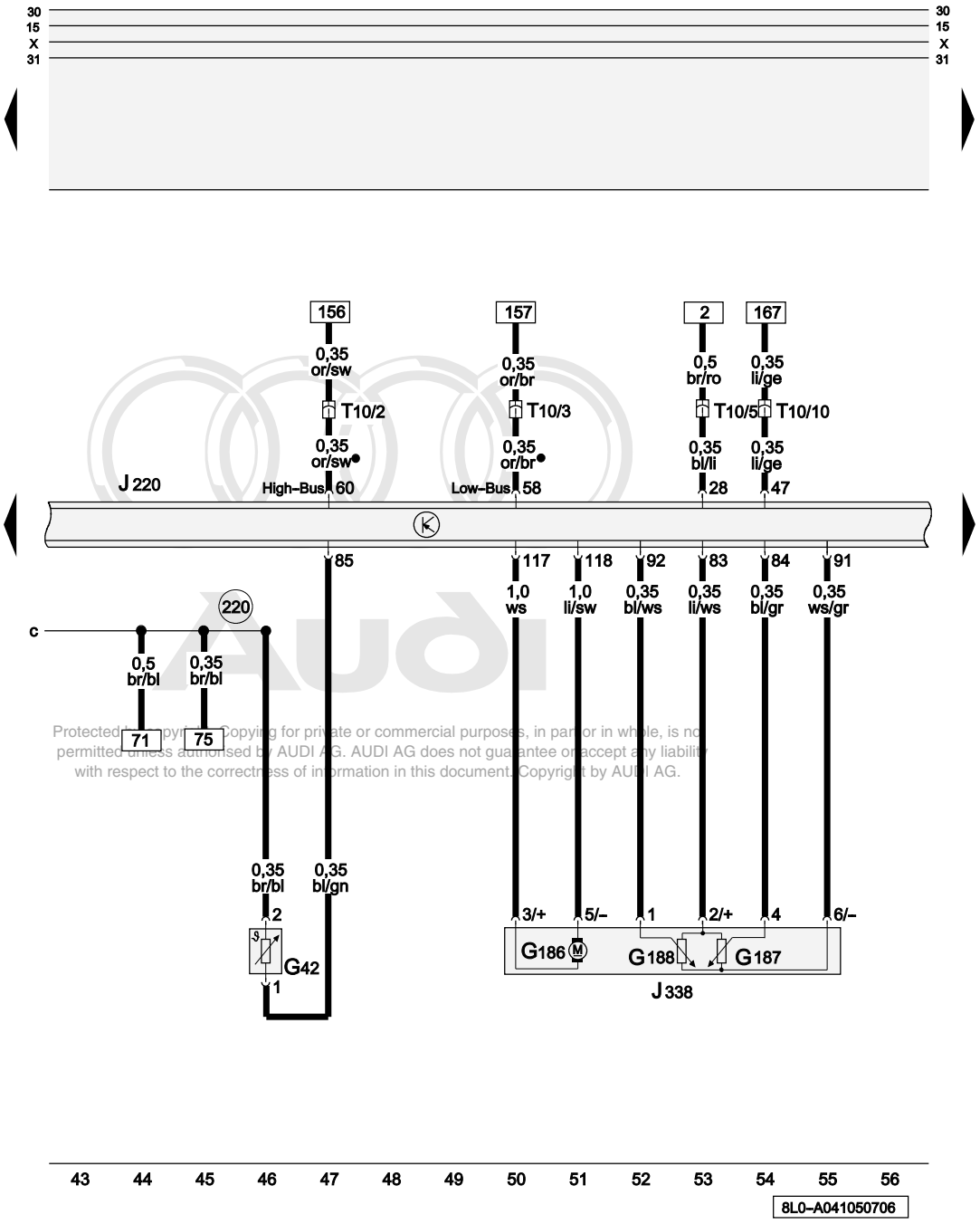


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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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Motronic control unit, knock sensor, engine speed sender, coolant temperature sender

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J220	Motronic control unit
T2ap	2-pin connector, knock sensor I, in engine compartment
T2aq	2-pin connector, knock sensor II, in engine compartment
T3d	3-pin connector, white, speed sender, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in left engine compartment
220	Earth connection (sender earth), in engine wiring harness
269	Earth connection (sender earth) 1, in dash panel wiring harness
A45	Connection (RPM signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D101	Connection 1, in engine compartment wiring harness

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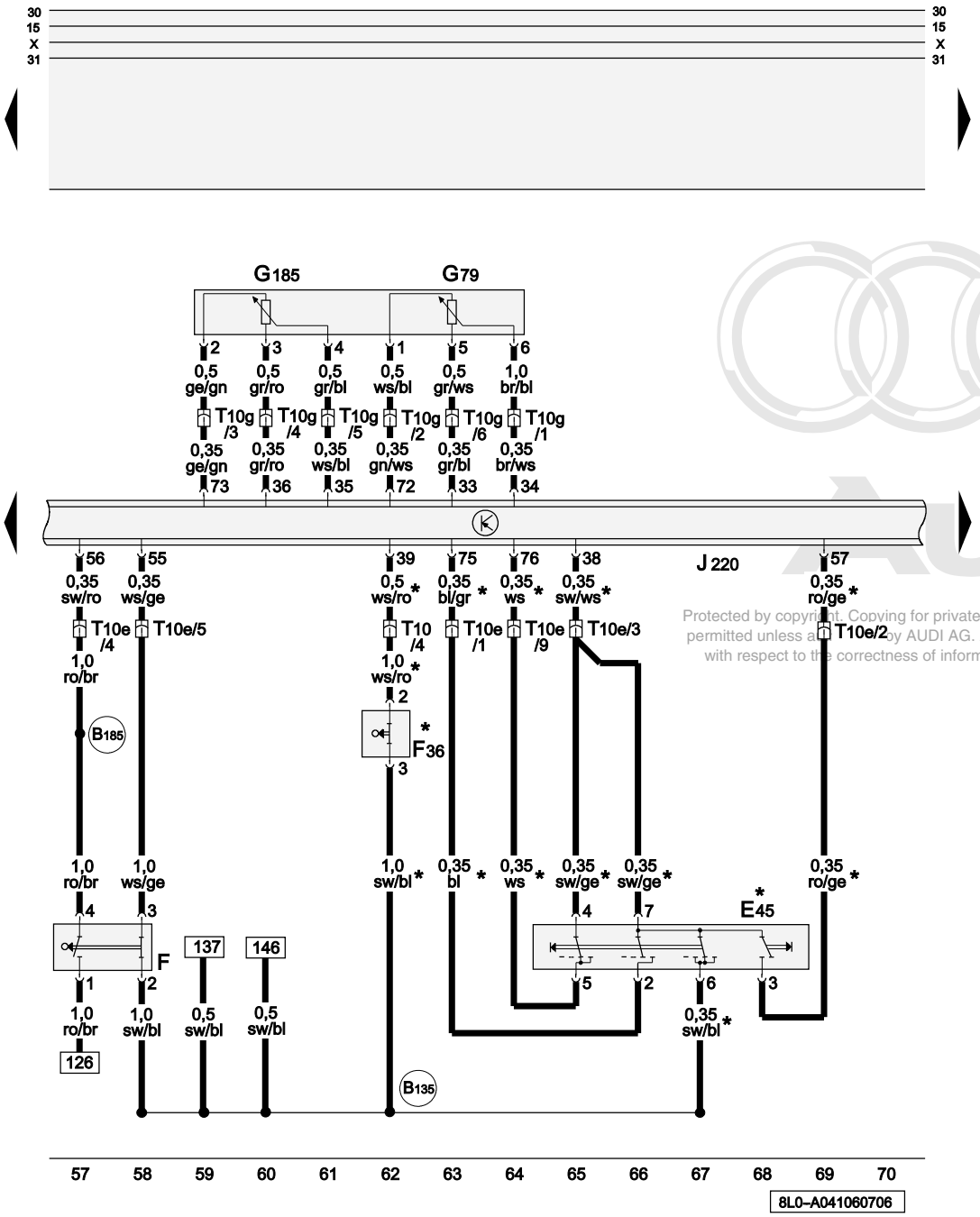


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Motronic control unit, throttle valve module, intake air temperature sender

G42	Intake air temperature sender
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
J220	Motronic control unit
J338	Throttle valve module
T10	10-pin connector, white, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
•	CAN bus (data wire)

ws	=	white
sw	=	black
ro	=	red
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or	=	orange
rs	=	pink

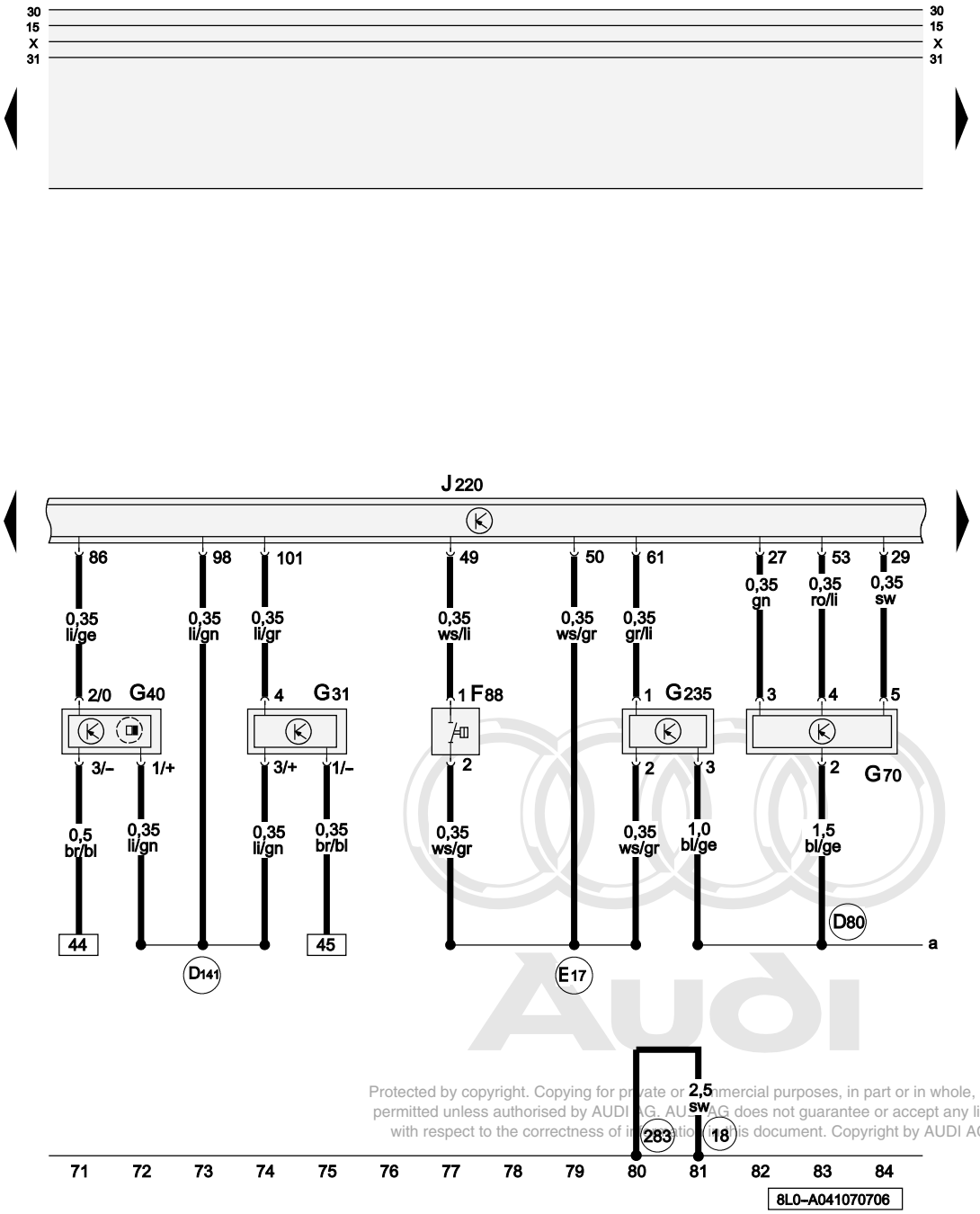


Motronic control unit, accelerator position sender, brake light switch, clutch pedal switch, cruise control system switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator position sender
G185	Accelerator position sender 2
J220	Motronic control unit
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
B135	Connection 1 (15a), in interior wiring harness
B185	Connection 2 (54), in interior wiring harness
*	for cruise control system only

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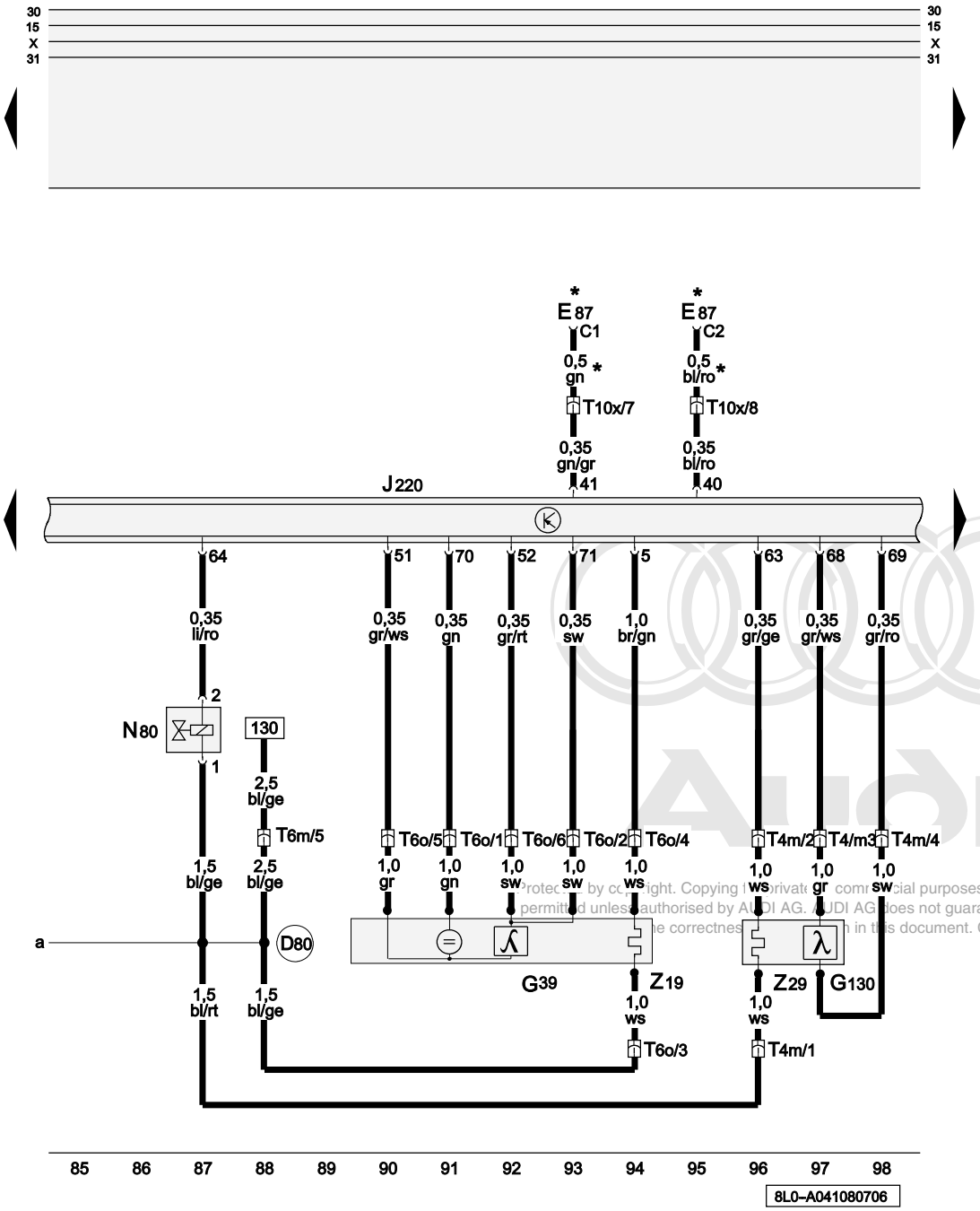


Motronic control unit, charge air pressure sender, exhaust temperature sender 1, Hall sender, air mass meter

F88	Power assisted steering pressure switch
G31	Charge air pressure sender
G40	Hall sender
G70	Air mass meter
G235	Exhaust gas temperature sender 1
J220	Motronic control unit
18	Earth point, on engine block
283	Earth connection 2, in engine harness
D80	Positive connection (87a, for active charcoal filter system solenoid valve), in engine compartment wiring harness
D141	Connection (5V), in engine wiring harness
E17	Connection 2, in Motronic wiring harness

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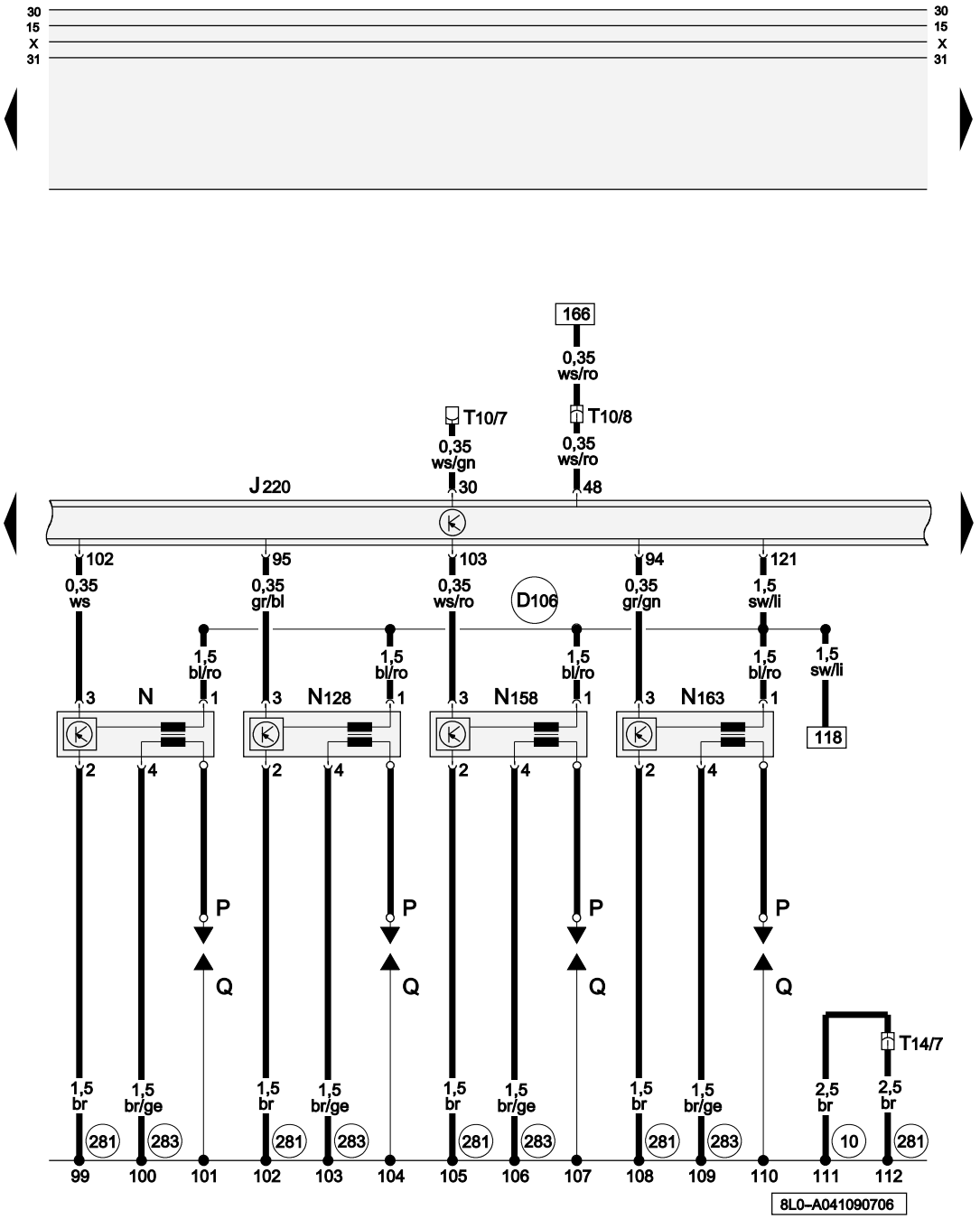


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Motronic control unit, lambda probes, active charcoal filter system solenoid valve 1

E87	operating and display unit for air conditioning system/Climatronic
G39	Lambda probe
G130	Lambda probe after catalytic converter
J220	Motronic control unit
N80	Activated charcoal filter system solenoid valve 1 (pulsed)
T4m	4-pin connector, lambda probe, in right engine compartment
T6m	6-pin connector, brown, in plenum chamber
T6o	6-pin connector, lambda probe, in right engine compartment
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
D80	Positive connection (87a, for active charcoal filter system solenoid valve), in engine compartment wiring harness
*	only with air conditioning system / Climatronic

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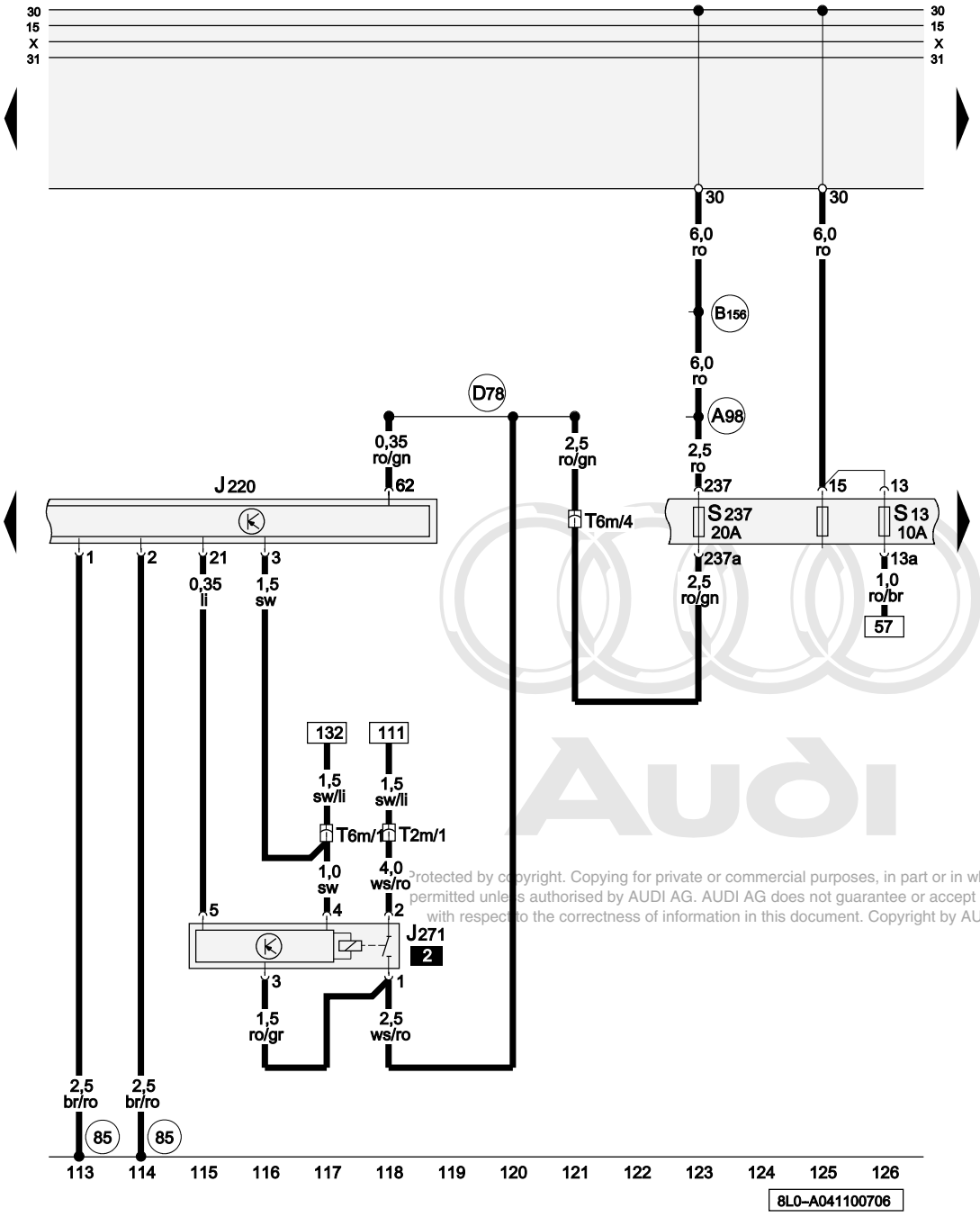


Motronic control unit, ignition coils

J220	Motronic control unit
N	Ignition coil
N128	Ignition coil 2
N158	Ignition coil 3
N163	Ignition coil 4
P	Spark plug connector
Q	Spark plugs
T10	10-pin connector, white, in plenum chamber
T14	14-pin connector, in left engine compartment
10	Earth point, in plenum chamber
281	Earth connection 1, in engine harness
283	Earth connection 2, in engine harness
D106	Connection 4, in engine compartment wiring harness

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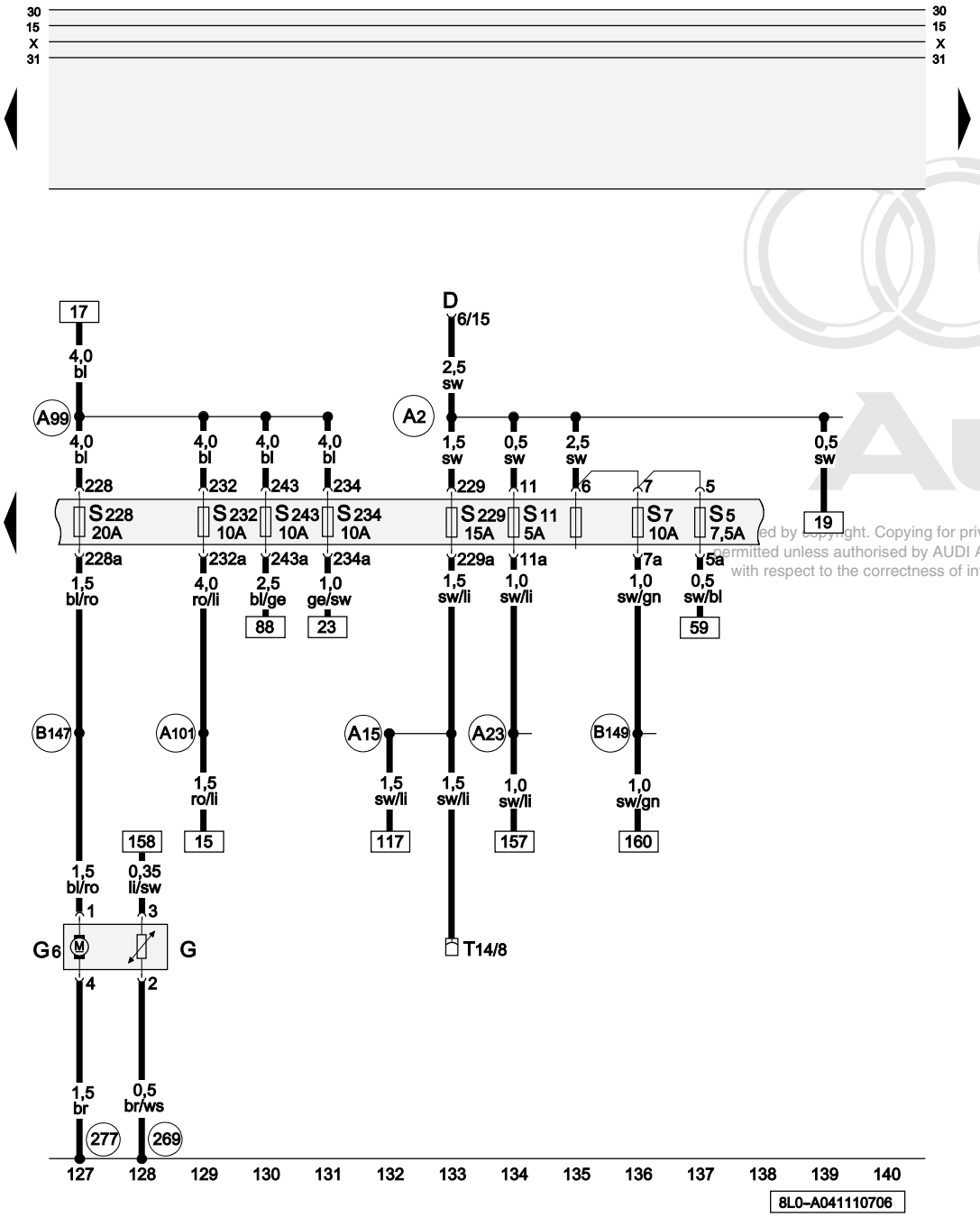


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Motronic control unit, Motronic current supply relay, fuses

J220	Motronic control unit
J271	Motronic current supply relay
S13	Fuse in relay plate fuse holder
S237	Fuse in fuse holder
T2m	2-pin connector, engine prewiring, cable channel, in left engine compartment
T6m	6-pin connector, brown, in plenum chamber
85	Earth connection 1, in engine compartment wiring harness
A98	Positive connection 4 (30), in dash panel wiring harness
B156	Positive connection (30a), in interior wiring harness
D78	Positive connection 1 (30a), in engine compartment wiring harness

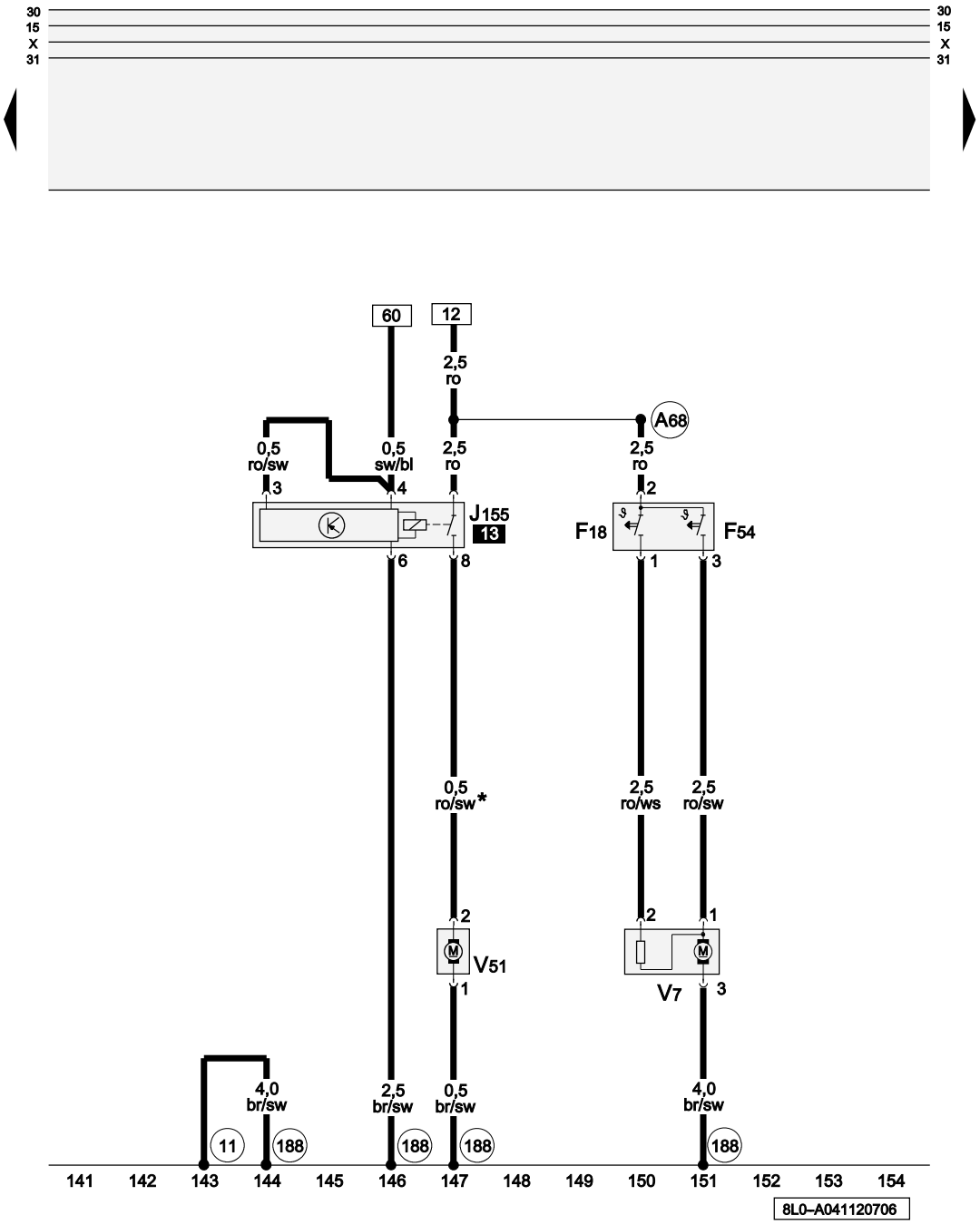


Fuel pump, fuses

D	Ignition/starter switch
G	Fuel gauge sender
G6	Fuel pump (pre-supply pump)
S5	Fuse in relay plate fuse holder
S7	Fuse in relay plate fuse holder
S11	Fuse in relay plate fuse holder
S228	Fuse in fuse holder
S229	Fuse in fuse holder
S232	Fuse in fuse holder
S234	Fuse in fuse holder
S243	Fuse in fuse holder
T14	14-pin connector, in left engine compartment
269	Earth connection (sender earth) 1, in dash panel wiring harness
277	Earth connection 3, in interior wiring harness
A2	Positive connection (15), in dash panel wiring harness
A15	Positive connection (15), in instrument panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A99	Connection 1 (87), in dash panel wiring harness
A101	Connection 3 (87), in dash panel wiring harness
B147	Positive connection 2 (87), in interior wiring harness
B149	Positive connection 2 (15a), in interior wiring harness

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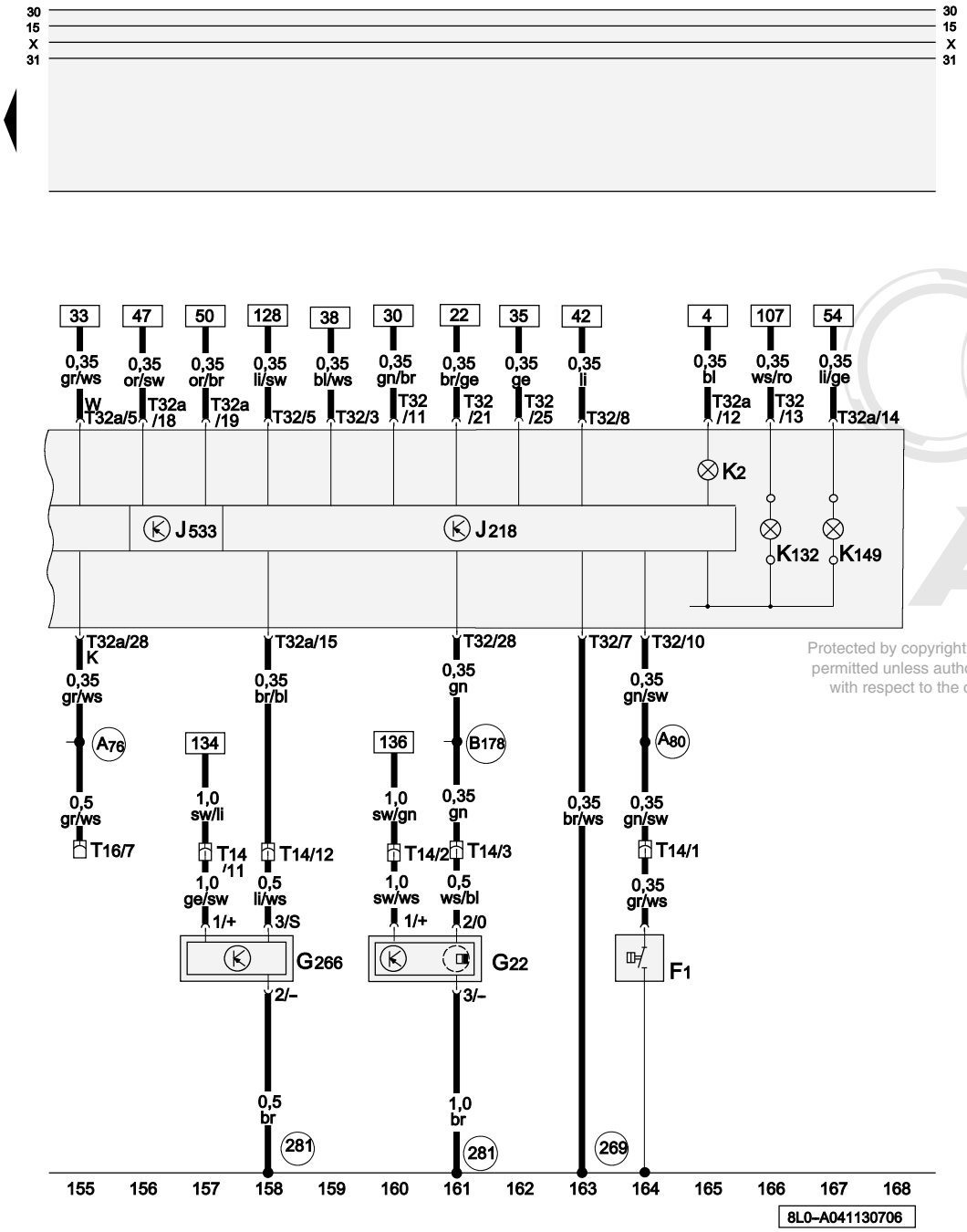


Radiator fan thermal switch, coolant pump control unit

F18	Thermal switch for radiator fan
F54	Thermal switch for radiator fan
J155	Coolant pump control unit
V7	Radiator fan
V51	Continued coolant circulation pump
11	Earth point, in battery box
188	Earth connection 3, in air conditioning system wiring harness
A68	Connection (30, air conditioning system), in dash panel wiring harness

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Dash panel insert, oil pressure switch, oil level and oil temperature sender, speedometer sender

F1	Oil pressure switch
G22	Speedometer sender (Hall sender, on gearbox)
G266	Oil level and oil temperature sender
J218	Combi-processor in dash panel insert
J533	Data bus diagnostic interface
K2	Alternator warning lamp
K132	Electric power control fault lamp
K149	Engine electronics warning lamp
T14	14-pin connector, in left engine compartment
T16	16-pin connector, black, shelf centre console (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) 1, in dash panel wiring harness
281	Earth connection 1, in engine harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A80	Connection 1 (X), in dash panel wiring harness
B178	Connection (speed signal), in interior wiring harness

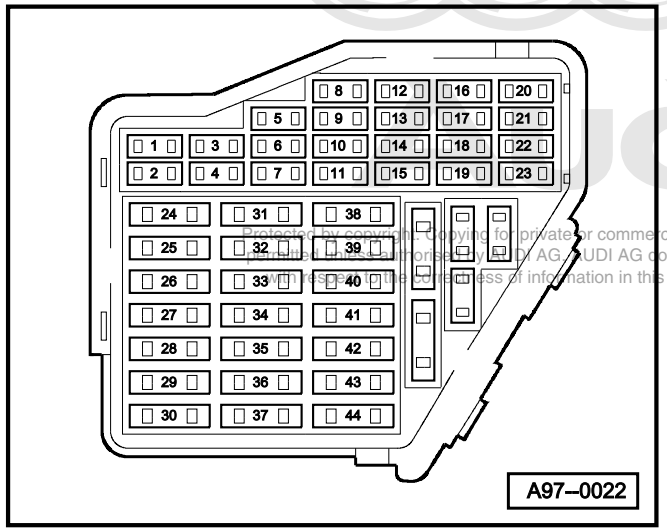
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4-speed automatic gearbox with selector lever lock (01N)

From model year 2001

Fuse box



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- Dash panel, driver's side

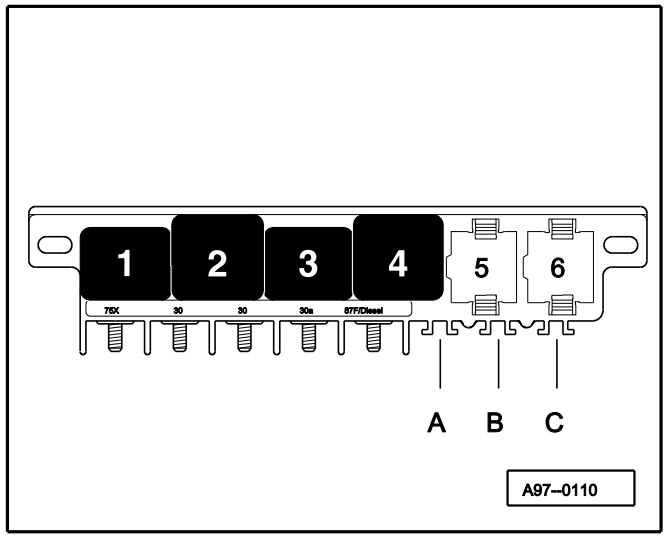
Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

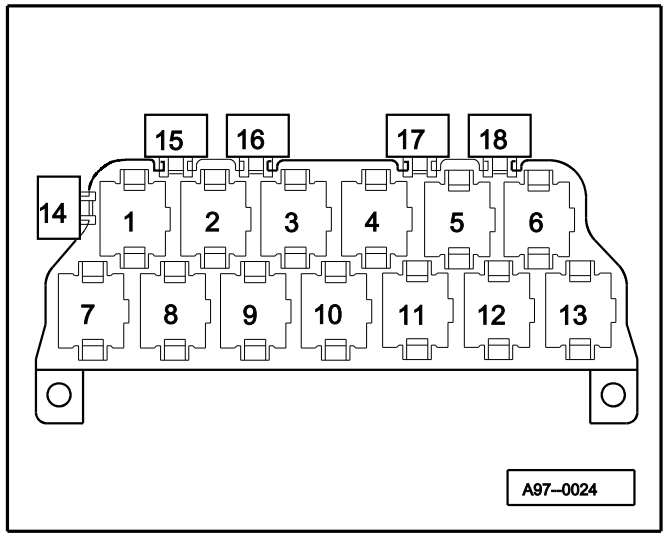
Micro-central electrics



◆ Under driver's storage compartment

4 - Fuel pump relay (J17)

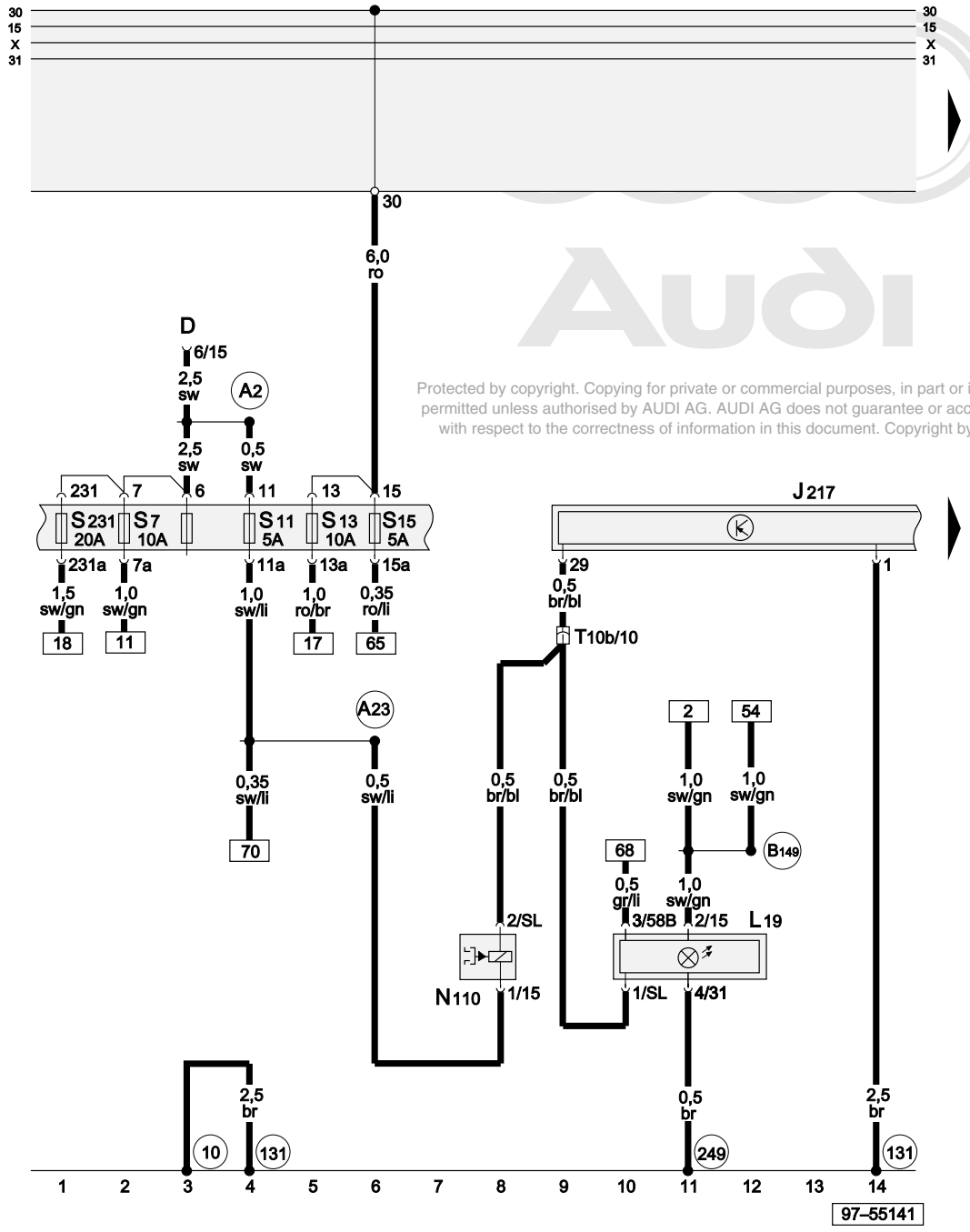
13-point relay carrier



◆ Above micro-central electrics, under driver's storage compartment

11 - Starter inhibitor and reversing light relay (J226)

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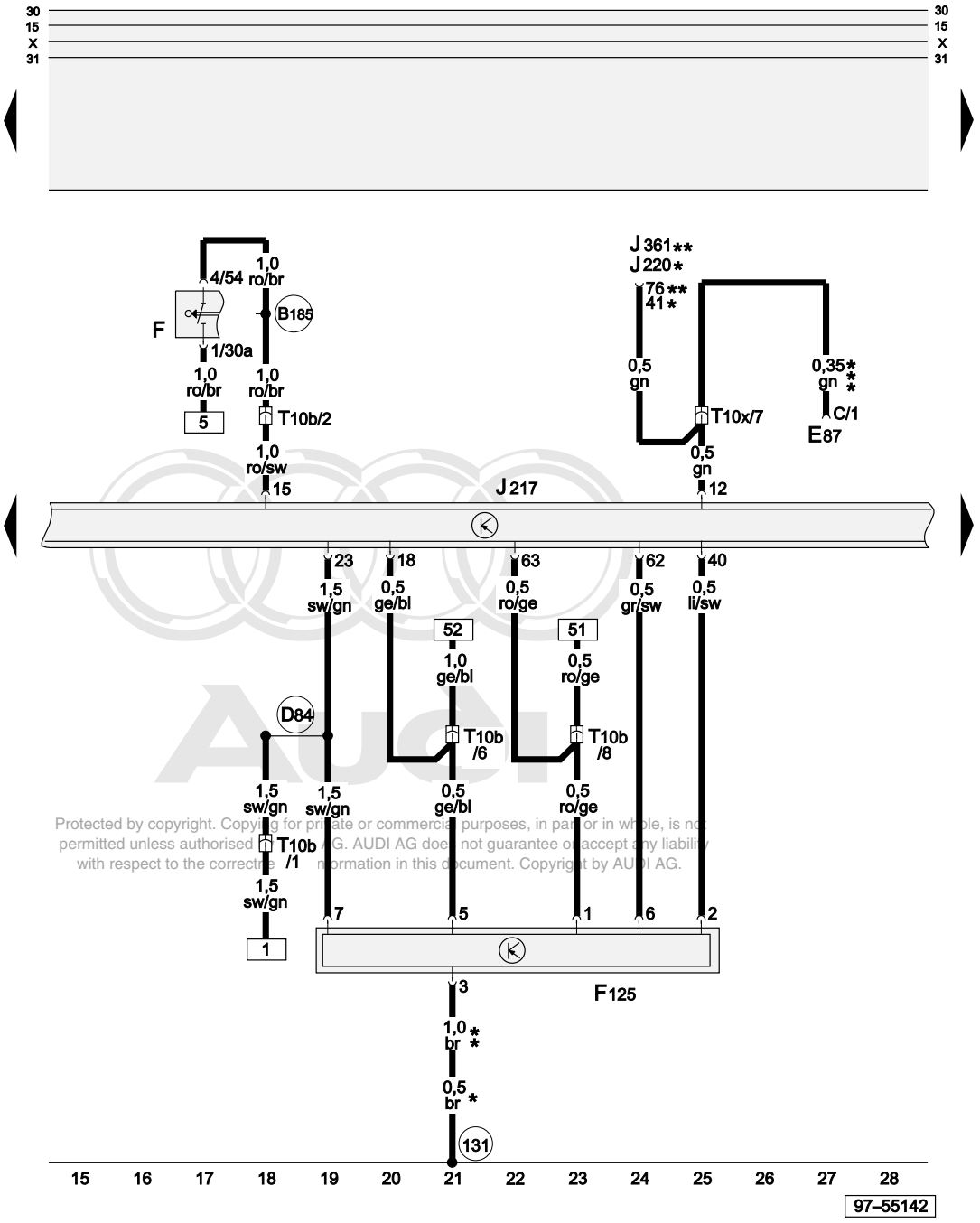


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Selector lever lock solenoid, gear selector light bulb

D	Ignition/starter switch
J217	Automatic gearbox control unit
L19	Gear selector light bulb
N110	Selector lever lock solenoid
S7	Fuse in fuse box/relay plate
S11	Fuse in fuse box/relay plate
S13	Fuse in fuse box/relay plate
S15	Fuse in fuse box/relay plate
S231	Fuse in fuse box
T10b	10-pin connector, grey, in plenum chamber
10	Earth point, in plenum chamber
131	Earth connection -2-, in engine compartment wiring harness
249	Earth connection -2-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness

ws	=	white
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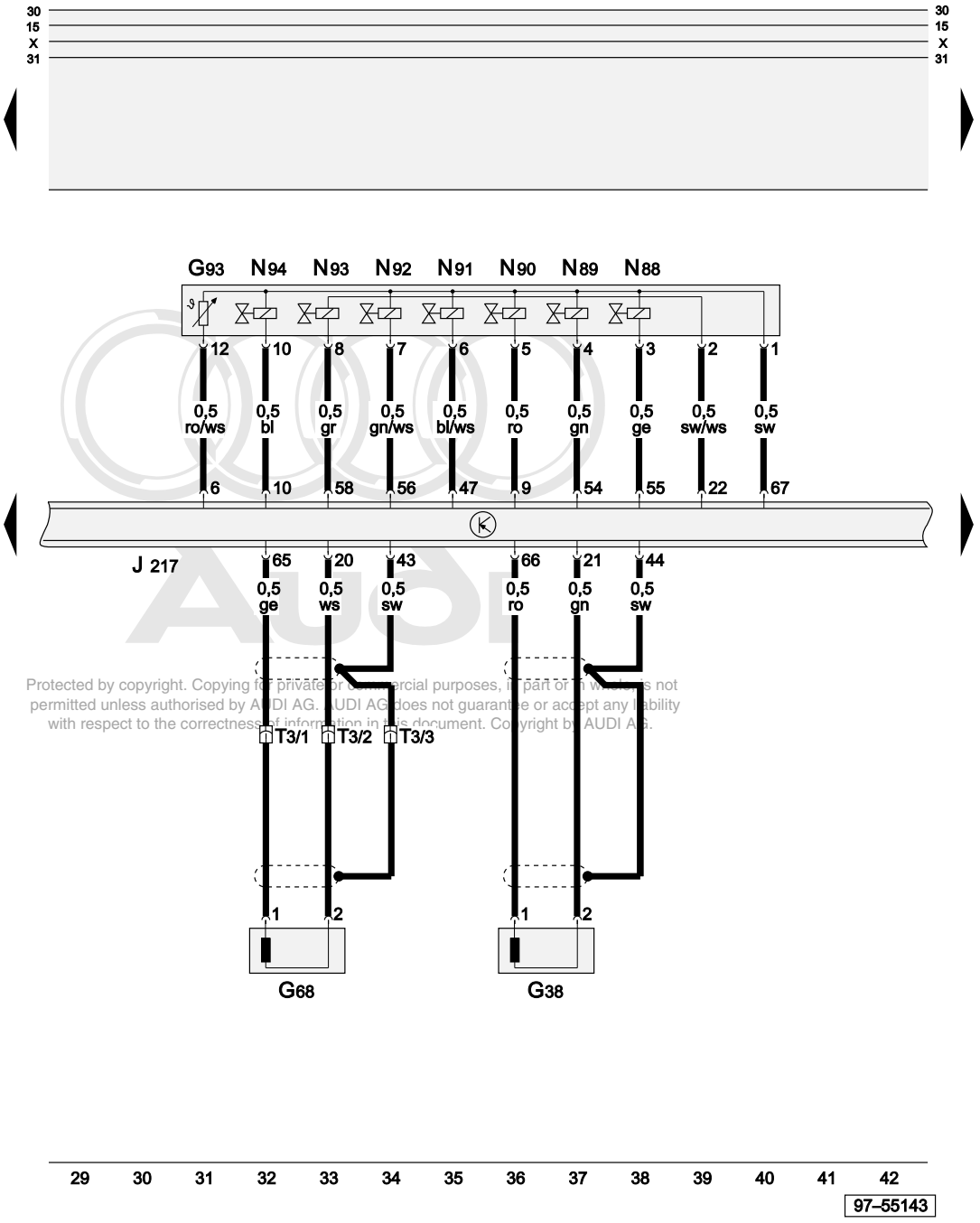


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Multi-function switch

E87	Control and display unit for air conditioner/Climatronic
F	Brake light switch
F125	Multi-function switch
J217	Automatic gearbox control unit
J220	Motronic control unit
J361	Simos control unit
T10b	10-pin connector, grey, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
131	Earth connection -2-, in engine compartment wiring harness
B185	Connection -2- (54), in interior wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
*	Only applies to models with engine codes APG, AUM
**	Only applies to models with engine codes AVU, BFQ
***	Models with air conditioner

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

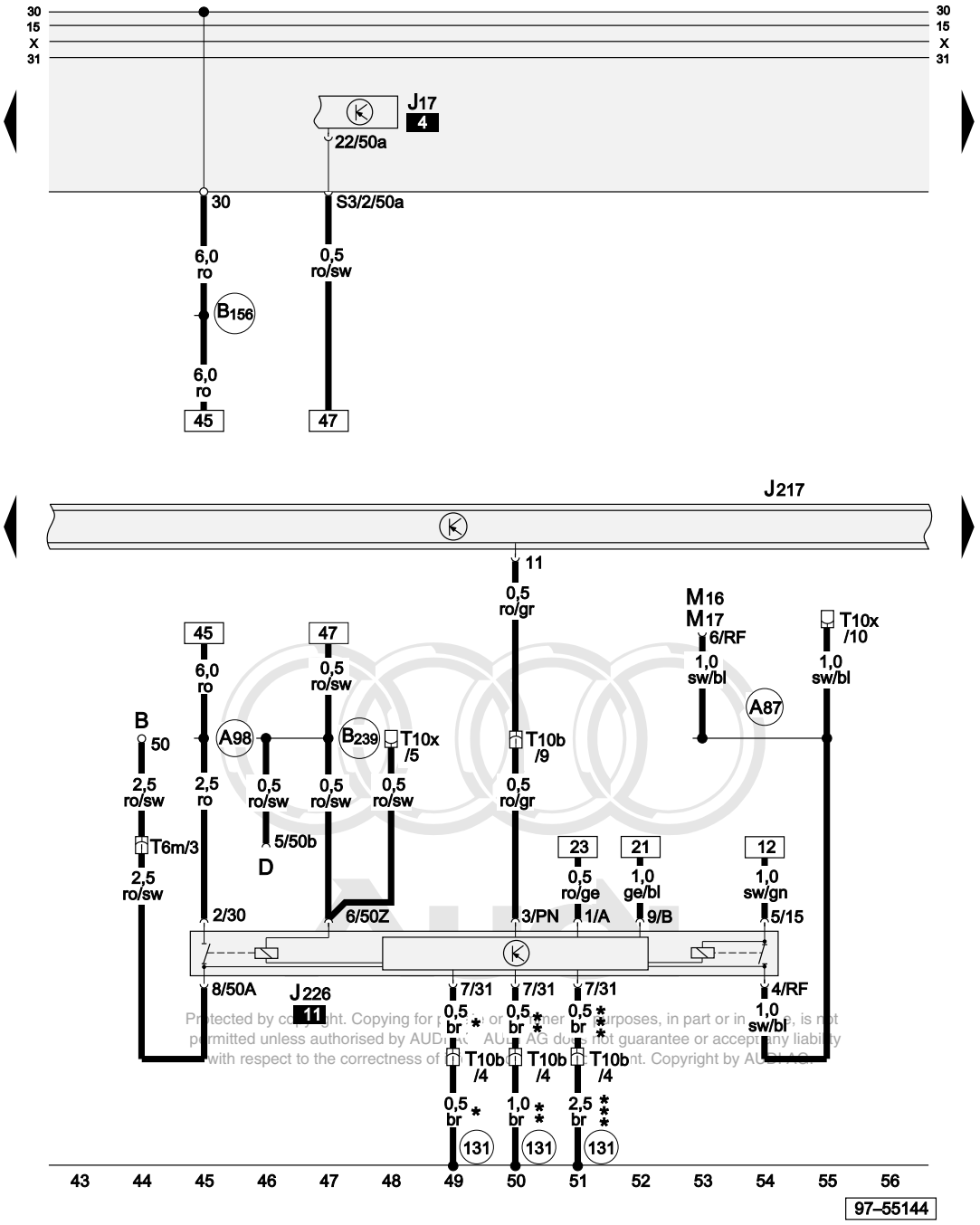


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Gearbox speed sender, gearbox oil temperature sender, vehicle speed sender

G38	Gearbox speed sender
G68	Vehicle speed sender (inductive sender, 2 connections)
G93	Gearbox oil temperature sender
J217	Automatic gearbox control unit
N88	Solenoid valve 1
N89	Solenoid valve 2
N90	Solenoid valve 3
N91	Solenoid valve 4
N92	Solenoid valve 5
N93	Solenoid valve 6
N94	Solenoid valve 7
T3	3-pin connector, near vehicle speed sender

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

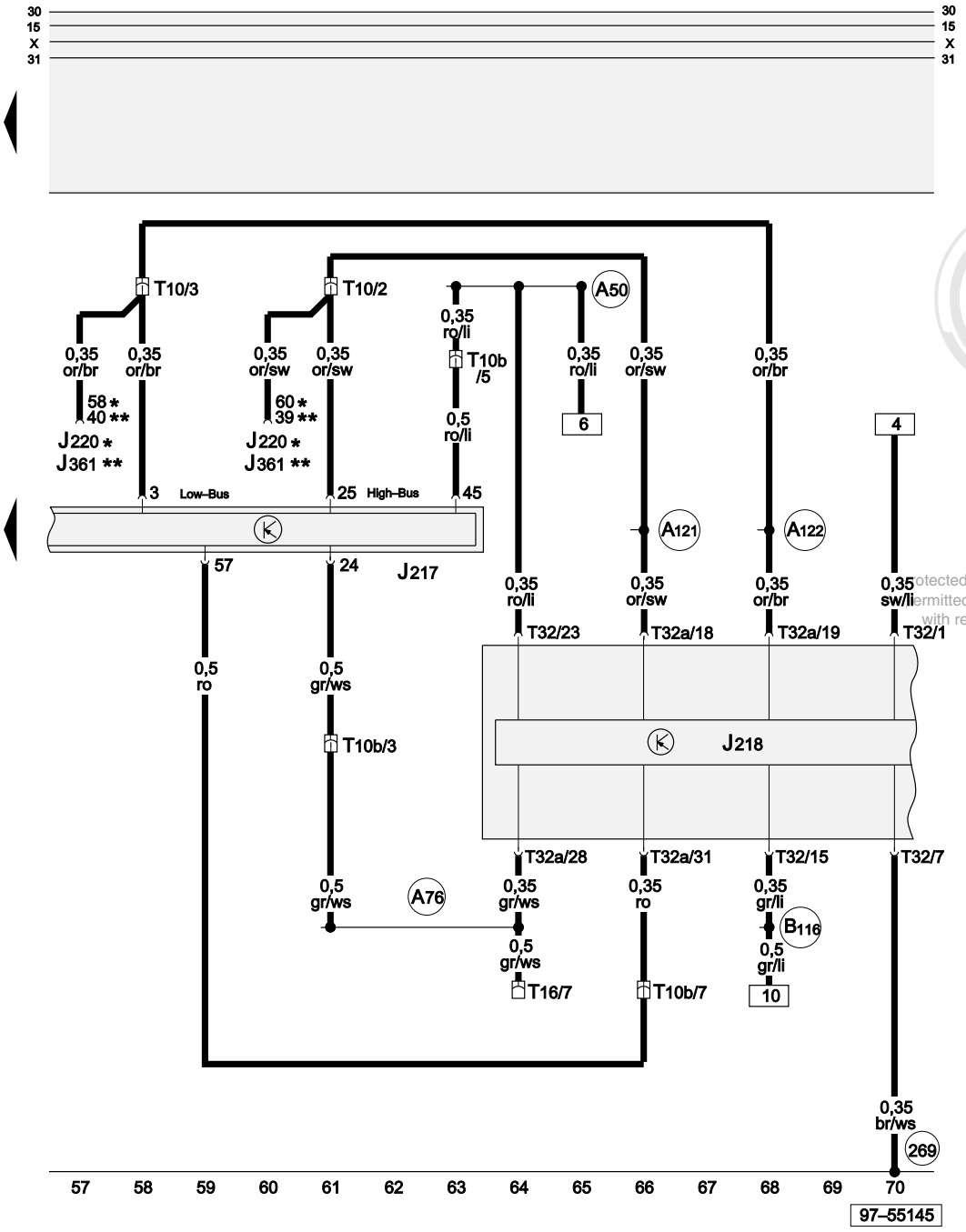


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gn = green
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Starter inhibitor and reversing light relay

B	Starter
D	Ignition/starter switch
J17	Fuel pump relay
J217	Automatic gearbox control unit
J226	Starter inhibitor and reversing light relay
M16	Reversing light bulb, left
M17	Reversing light bulb, right
T6m	6-pin connector, brown, engine compartment, in plenum chamber
T10b	10-pin connector, grey, in plenum chamber
T10x	10-pin connector, orange, engine compartment, in plenum chamber
131	Earth connection -2-, in engine compartment wiring harness
A87	Connection (RF (reversing light)), in dash panel wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
B239	Positive (+) connection -1- (50), in interior wiring harness
*	Only applies to models with engine code APG
**	Only applies to models with engine codes AVU, BFQ
***	Only applies to models with engine code AUM



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

Combi-processor in dash panel insert

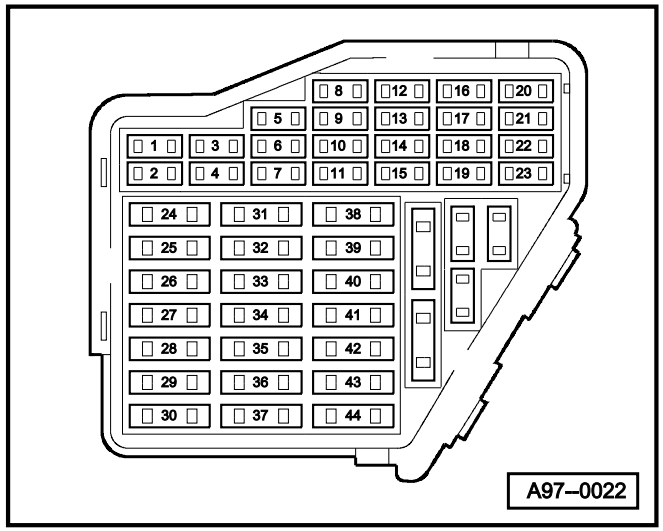
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
J220	Motronic control unit
J361	Simos control unit
T10	10-pin connector, white, engine compartment, in plenum chamber
T10b	10-pin connector, grey, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnostic connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A50	Positive (+) connection (30as), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
*	Only applies to models with engine codes APG, AUM
**	Only applies to models with engine codes AVU, BFQ

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Haldex coupling with four-wheel drive

From model year 2001

Fuse box



- Dash panel, driver's side

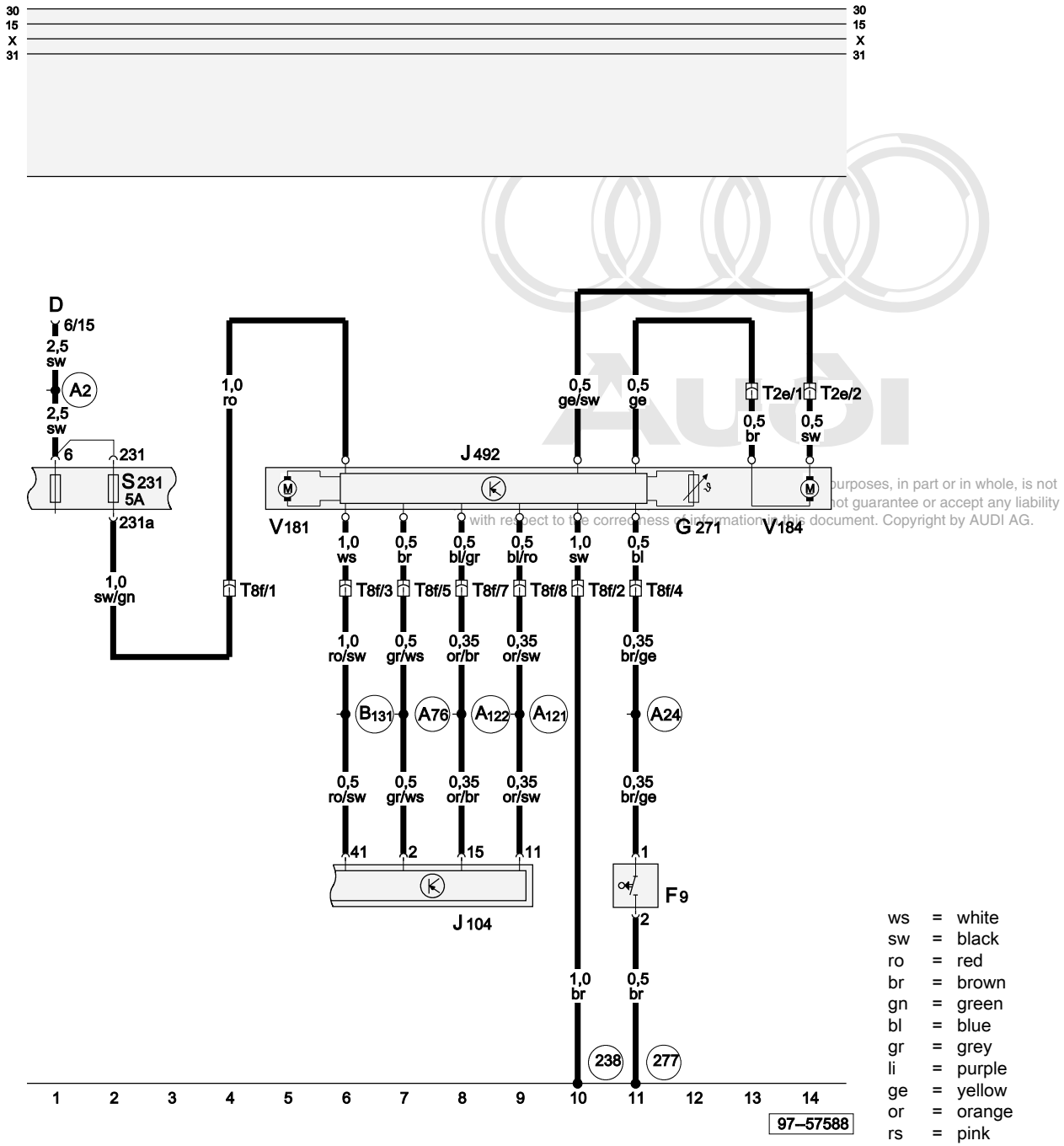
Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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gn = green
bl = blue
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or = orange
rs = pink

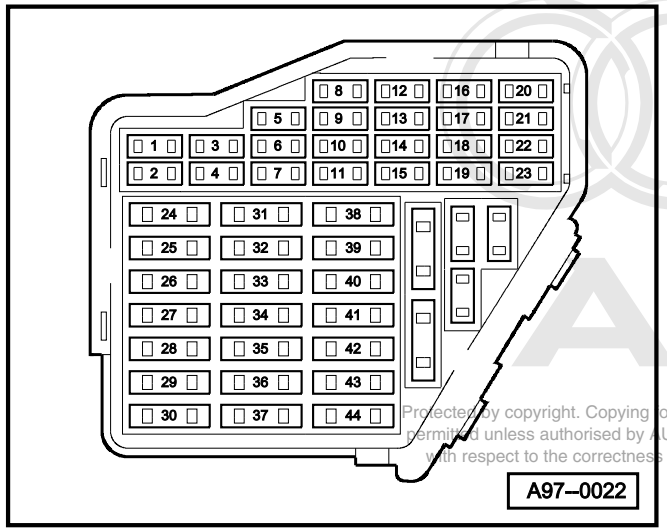
Four-wheel drive control unit, ABS with EDL control unit (MK 60)

D	Ignition/starter switch
F9	Handbrake warning switch
G271	Hydraulic temperature sender
J104	ABS with EDL control unit
J492	Four-wheel drive control unit
S231	Fuse in fuse box
T2e	2-pin connector, near four-wheel drive control unit
T8f	8-pin connector, black, on four-wheel drive control unit
V181	Haldex coupling pump
V184	Oil pressure control motor
238	Earth connection -1-, in interior wiring harness
277	Earth connection -3-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A24	Connection (brake system monitoring), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
B131	Connection (54), in interior wiring harness

Mobile phone

From model year 2001

Fuse box



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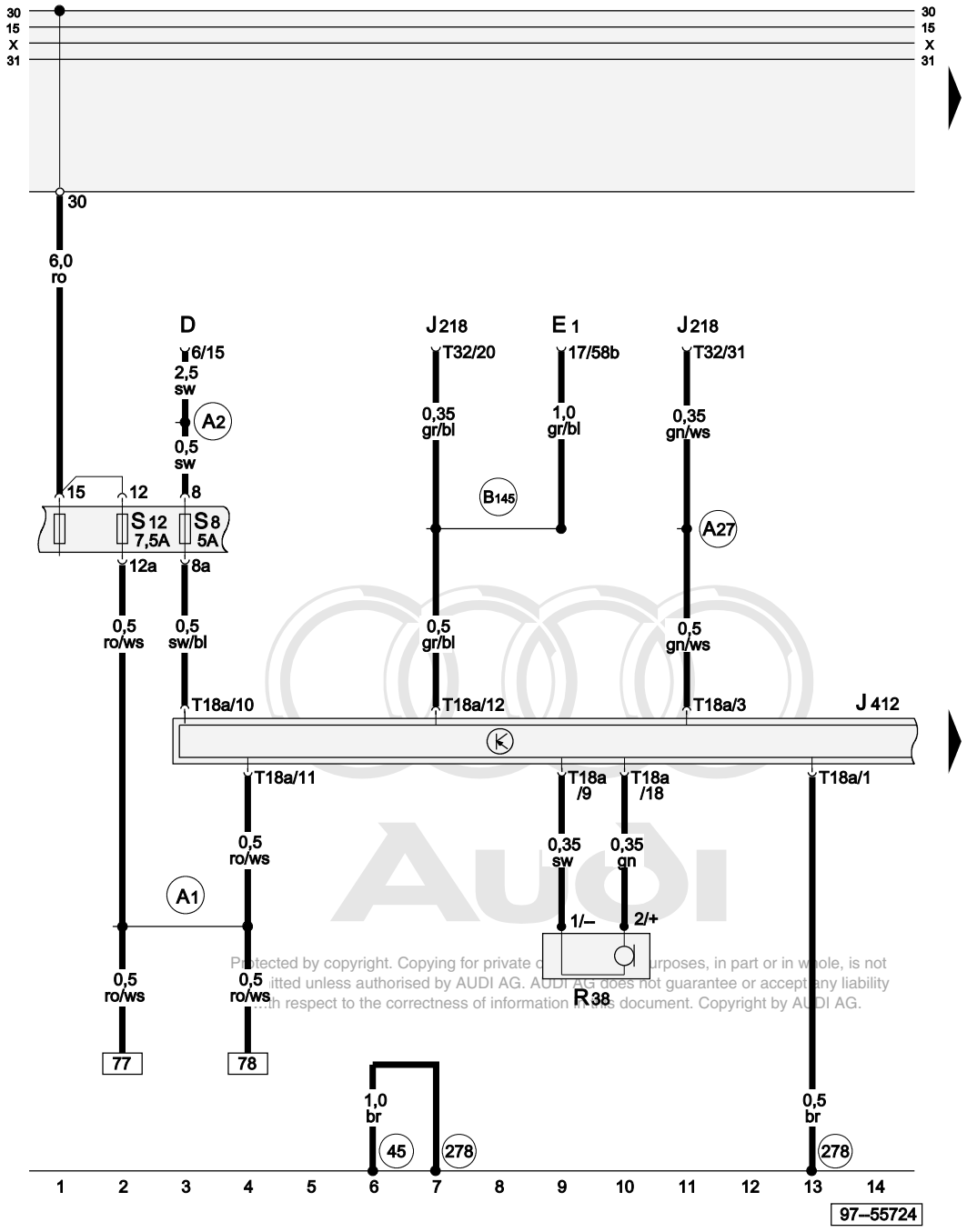
- Dash panel, driver's side

Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

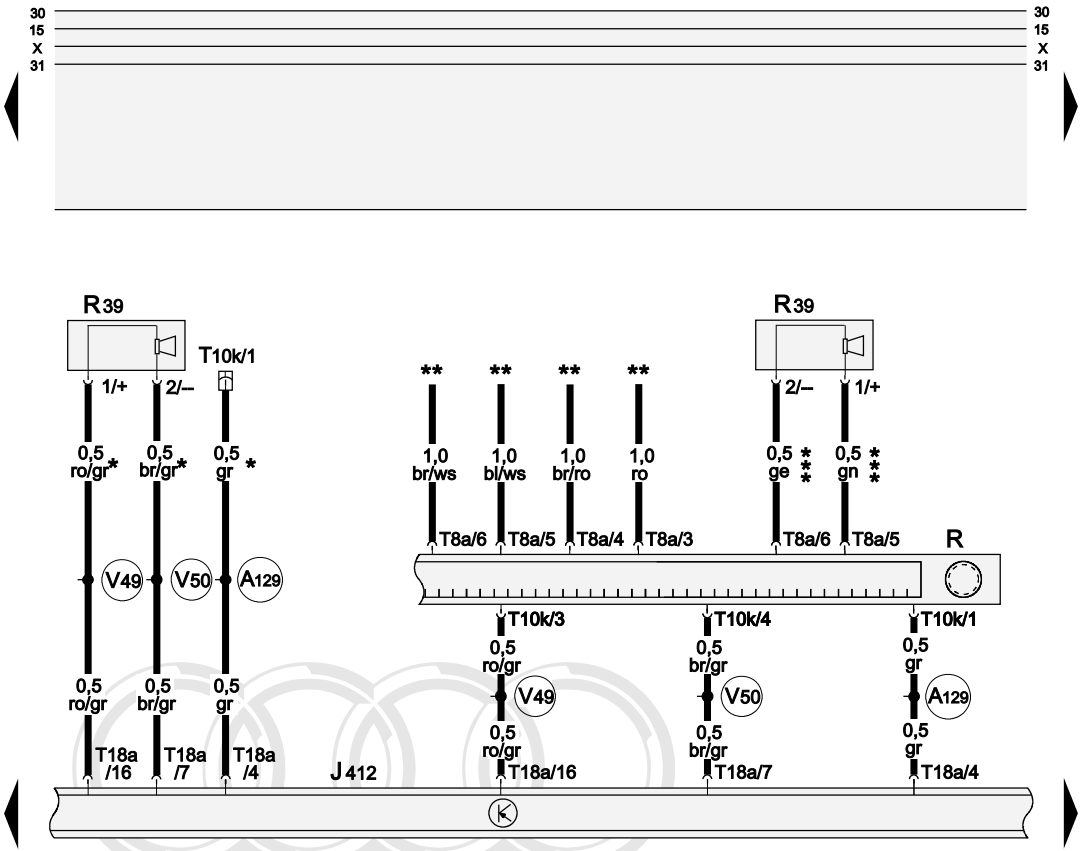


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Fuses, telephone microphone

D	Ignition/starter switch
E1	Lighting switch
J218	Combi-processor in dash panel insert
J412	Operating electronics control unit, telephone
R38	Telephone microphone
S8	Fuse in fuse box/relay plate
S12	Fuse in fuse box/relay plate
T18a	18-pin connector, mobile phone interface, in centre console
T32	32-pin connector, blue, on dash panel insert
45	Earth point, behind dash panel - centre
278	Earth connection -4-, in interior wiring harness
A1	Positive (+) connection (30a), in dash panel wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A27	Connection (speed signal), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness

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

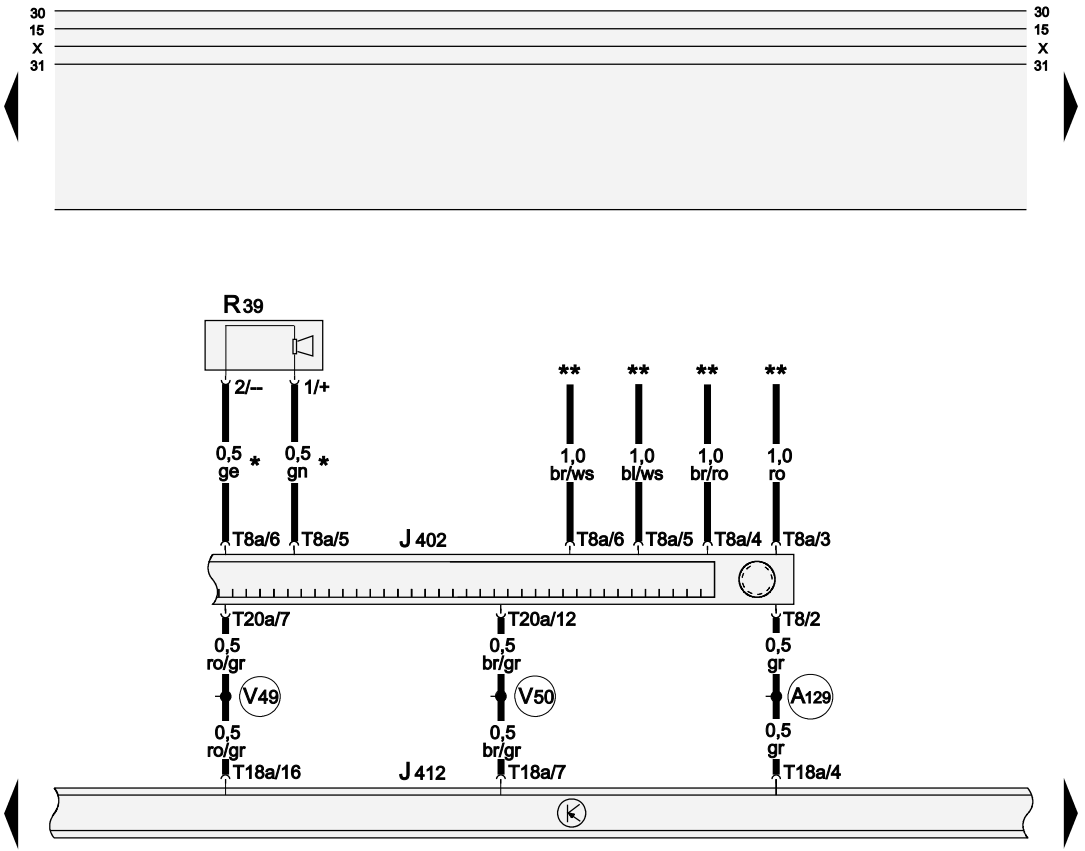


Voice control system with and without radio

J412	Operating electronics control unit, telephone
R	Radio
R39	Telephone/navigation systems loudspeaker
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T18a	18-pin connector, mobile phone interface, in centre console
A129	Connection (muting), in dash panel wiring harness
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF -), in communication wiring harness
*	Voice control system without radio
**	Voice control system with radio, see Current Flow Diagram No. 13
***	Voice control system for radio with Bose sound system, as of November 2001 no longer fitted

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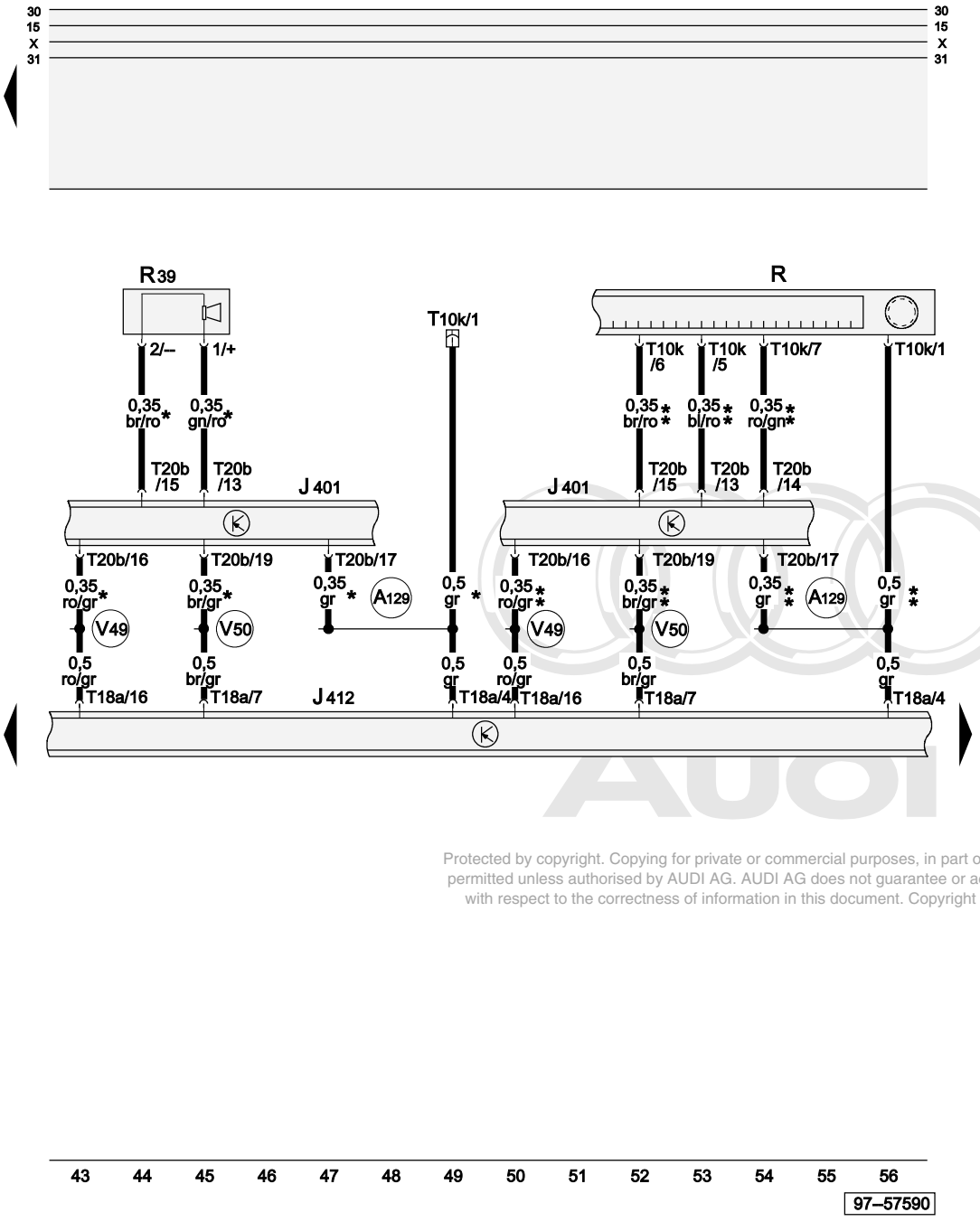


Voice control system with navigation system (RNS-D)

J402	Operating electronics control unit, navigation
J412	Operating electronics control unit, telephone
R39	Telephone/navigation systems loudspeaker
T8	8-pin connector, on radio
T8a	8-pin connector, brown, on radio
T18a	18-pin connector, mobile phone interface, in centre console
T20a	20-pin connector, black, on radio
A129	Connection (muting), in dash panel wiring harness
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF -), in communication wiring harness
*	Voice control system for navigation system (RNS-D) with Bose sound system, as of November 2001 no longer fitted
**	Voice control system with navigation system (RNS-D), see Current Flow Diagram No. 36

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ge	=	yellow
or	=	orange
rs	=	pink

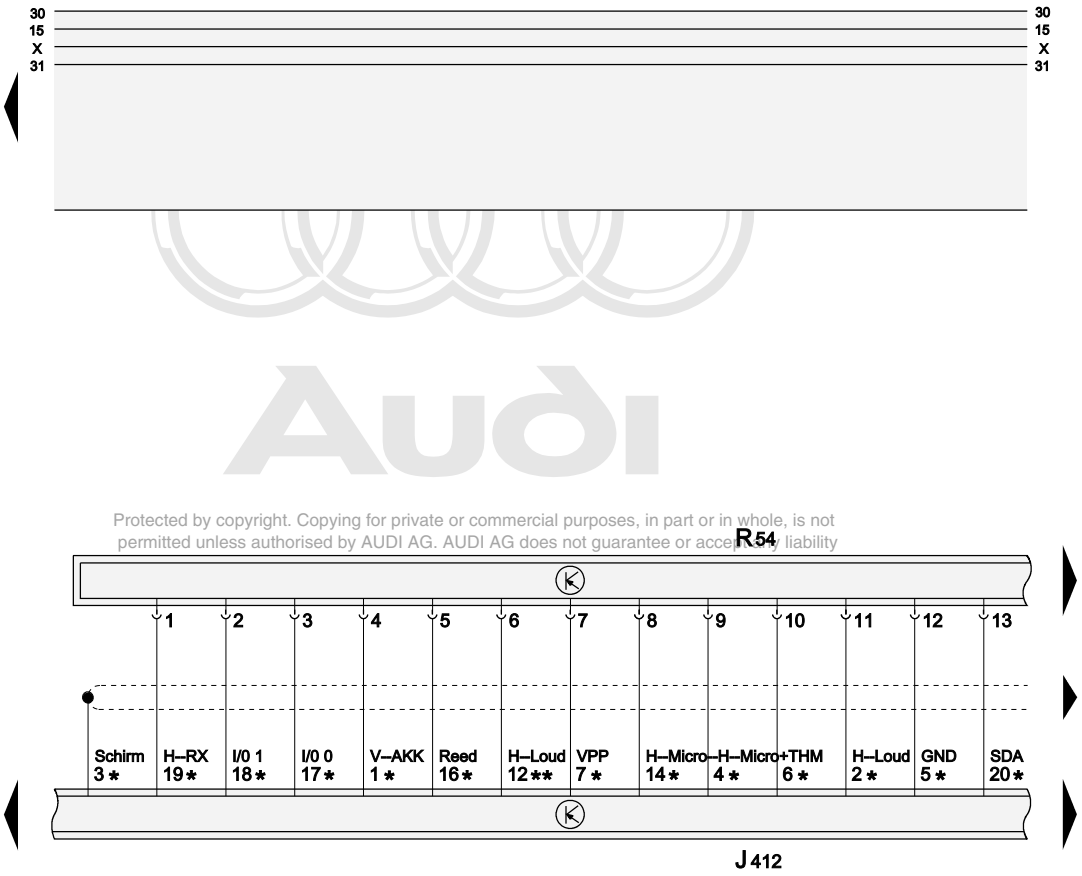


Voice control system with navigation system 'NS LOW'

R	Radio
R39	Telephone/navigation systems loudspeaker
J401	Navigation system with CD drive control unit
J412	Operating electronics control unit, telephone
T10k	10-pin connector, red, on radio
T18a	18-pin connector, mobile phone interface, in centre console
T20b	20-pin connector, black, on navigation control unit
A129	Connection (muting), in dash panel wiring harness
V49	Connection (low frequency, NF +), in communication wiring harness
V50	Connection (low frequency, NF -), in communication wiring harness
*	Voice control system on models without radio with navigation system 'NS LOW', as of model year 2002 no longer fitted
**	Voice control system with radio and navigation system 'NS LOW'

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

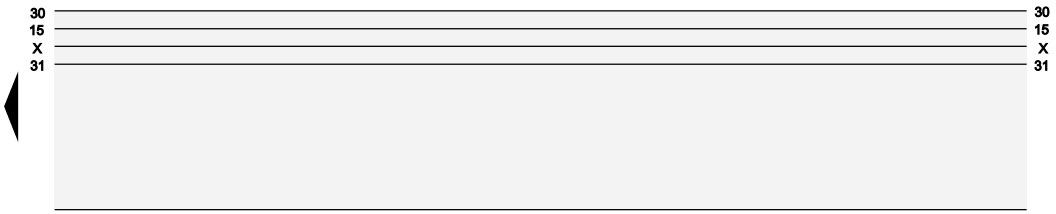


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Mobile telephone

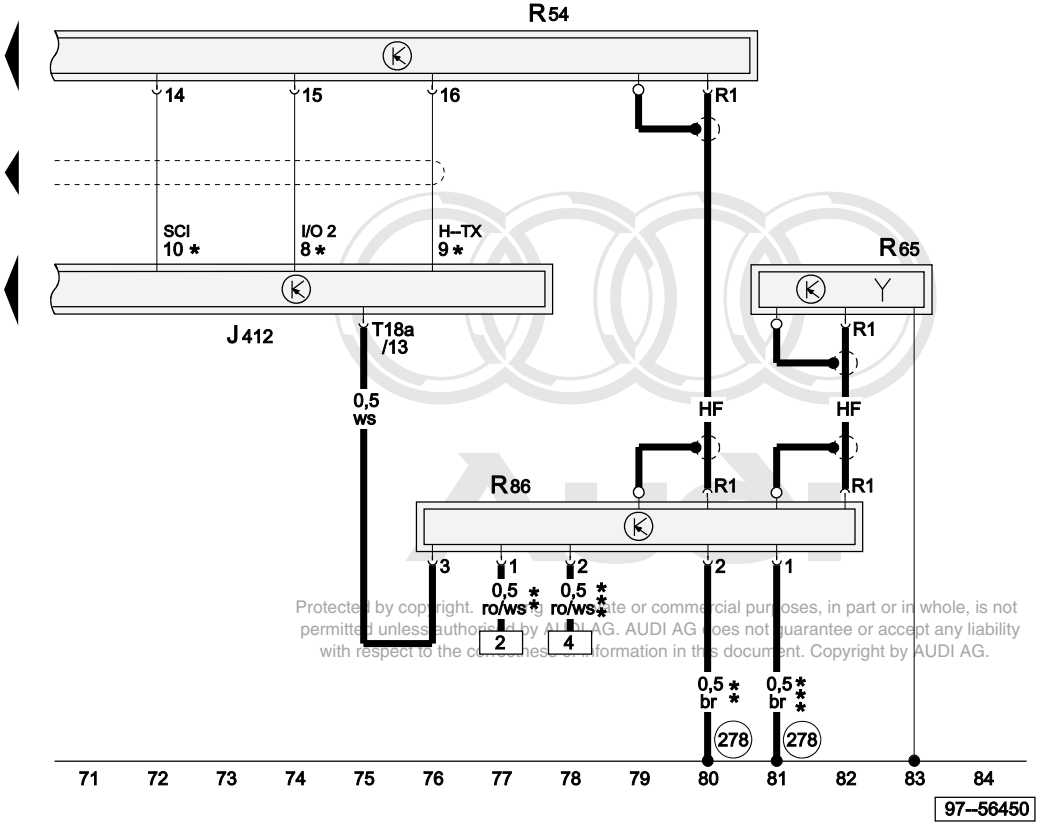
J412 Operating electronics control unit, telephone
R54 Mobile telephone
* Without connection

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



Mobile telephone, telephone aerial, aerial amplifier for mobile telephone

J412	Operating electronics control unit, telephone
R1	Aerial connection
R54	Mobile telephone
R65	Telephone aerial
R86	Aerial amplifier, mobile telephone
T18a	18-pin connector, mobile phone interface, in centre console
278	Earth connection -4-, in interior wiring harness
*	Without connection
**	Only models with dual band compensor
***	Compensor for D network, as of model year 2002 no longer fitted



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

Central locking with interior light with switch-off delay, reading lights and illuminated vanity mirror

from model year 2001

Notes:

For information concerning

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

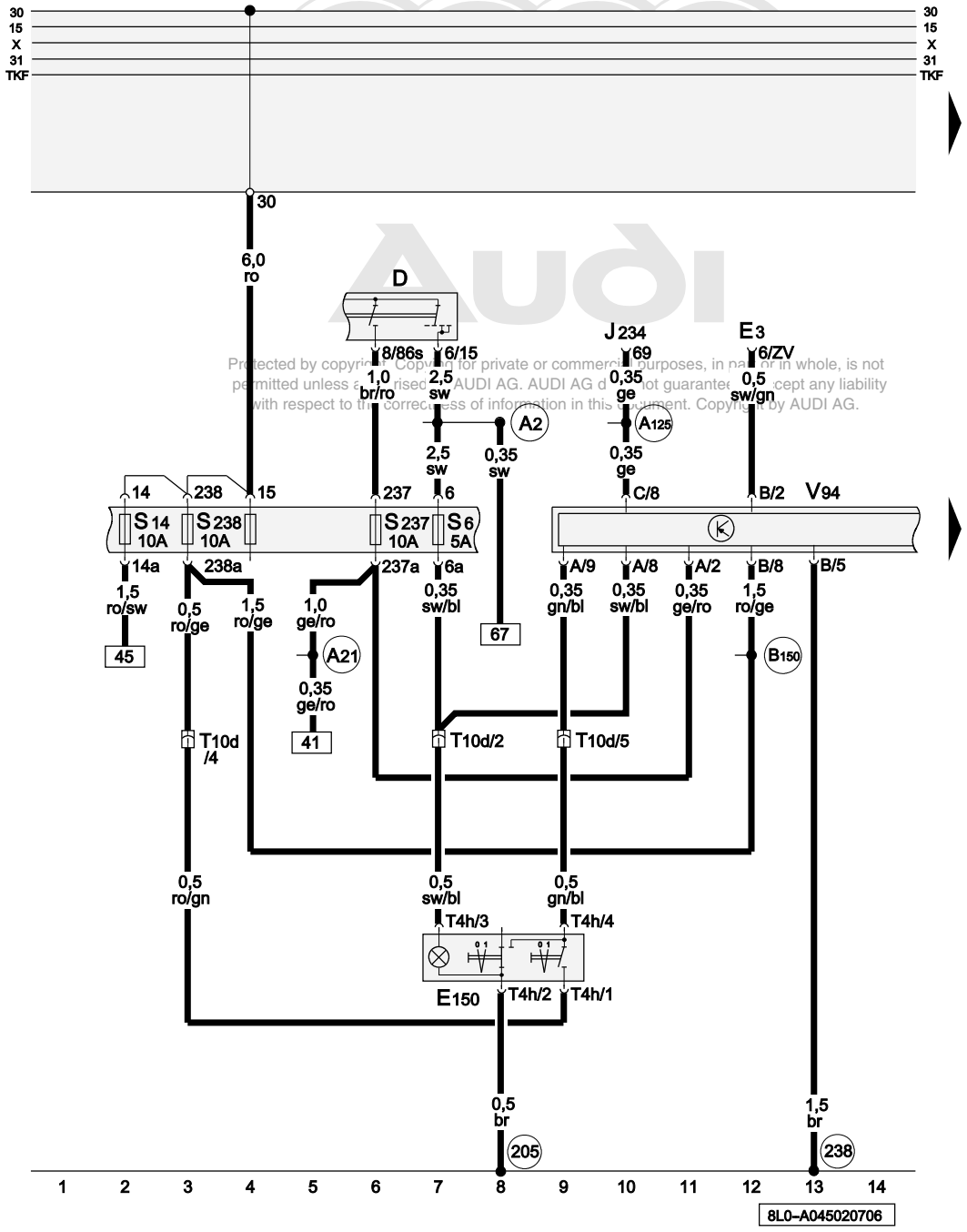
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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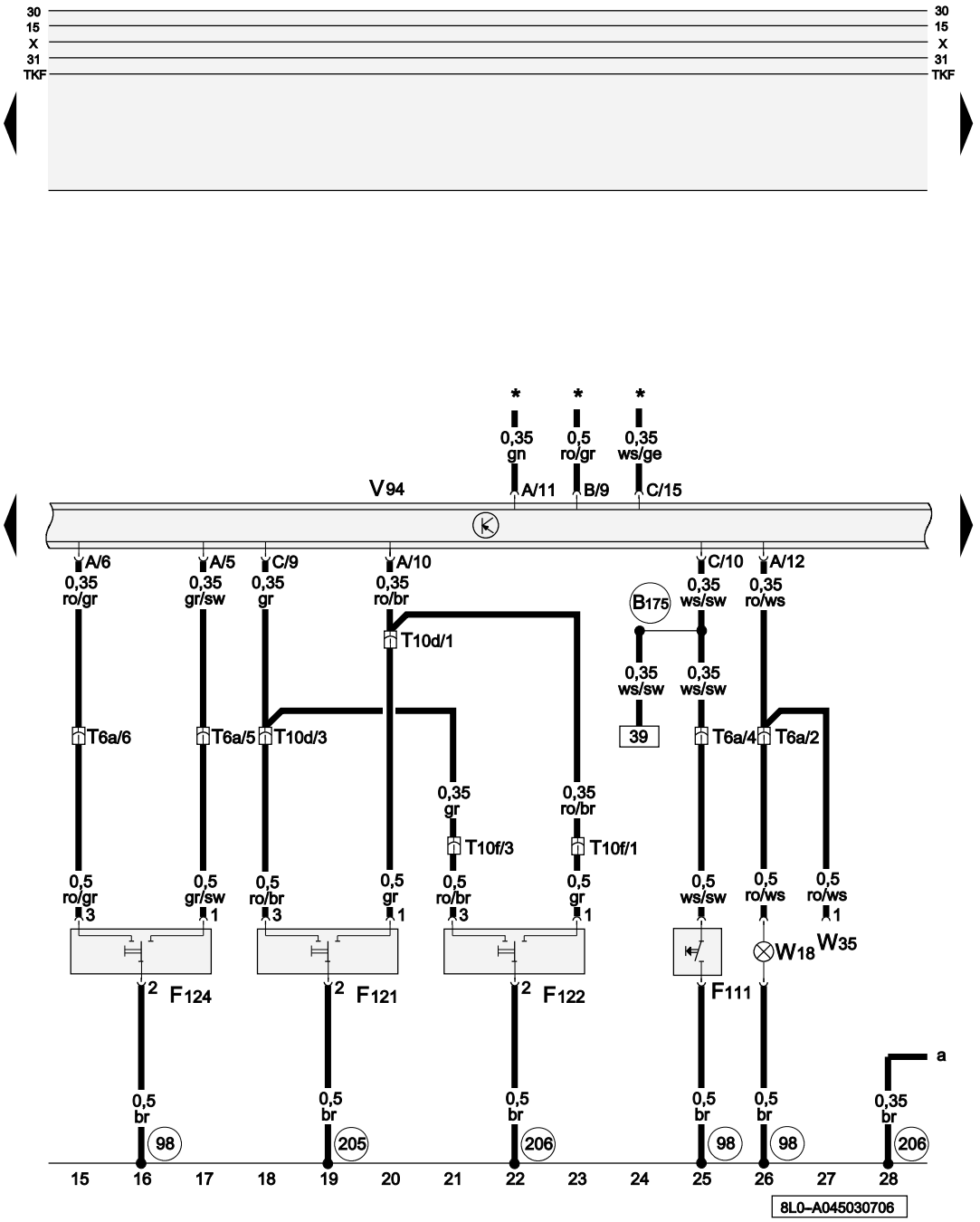


Driver side interior locking switch, fuses

D	Ignition/starter switch
E3	Hazard warning light switch
E150	Driver side interior locking switch
J234	Airbag control unit
S6	Fuse in relay plate fuse holder
S14	Fuse in relay plate fuse holder
S237	Fuse in fuse holder
S238	Fuse in fuse holder
T4h	4-pin connector, black, interior locking, in driver door
T10d	10-pin connector, brown, connector carrier on left of A-pillar
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
238	Earth connection 1, in interior wiring harness
205	Earth connection, in driver door wiring harness
A2	Positive connection (15), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B150	Positive connection 2 (30a), in interior wiring harness

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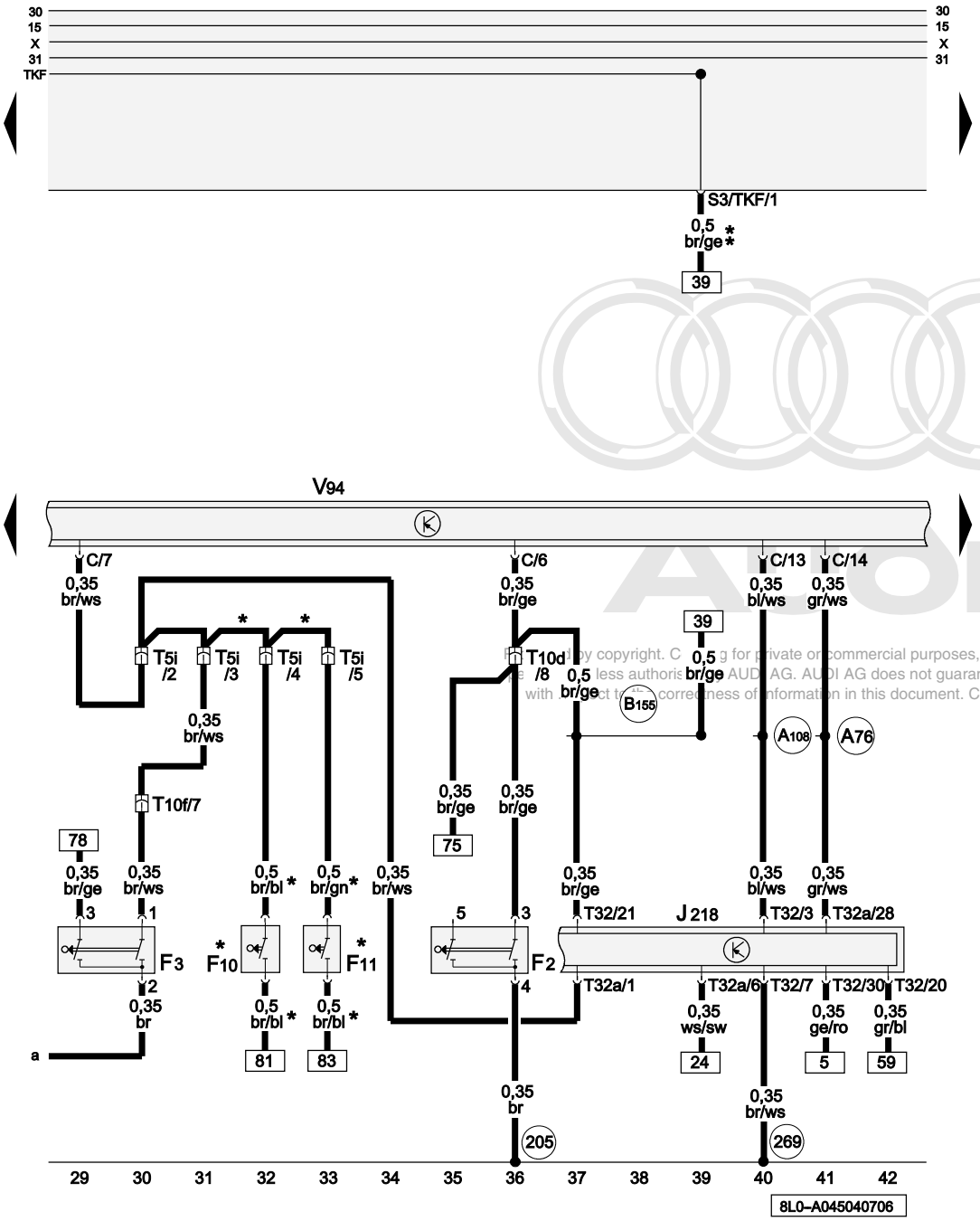


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Contact switch, luggage compartment light on left and right

F111	Rear lid contact switch
F121	Driver door exterior handle switch for anti-theft alarm system
F122	Front passenger door exterior handle switch for anti-theft alarm system
F124	Contact switch in lock cylinder for rear lid/anti-theft alarm system/ central locking system
T6a	6-pin connector, black, on left in luggage compartment
T10d	10-pin connector, brown, connector carrier on left of A-pillar
T10f	10-pin connector, brown, connector carrier on right of A-pillar
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W18	Luggage compartment light on left
W35	Right luggage compartment light
98	Earth connection, in rear lid wiring harness
205	Earth connection, in driver door wiring harness
206	Earth connection, in front passenger door wiring harness
B175	Connection (central locking), in interior wiring harness
*	see window regulator or sunroof Current Flow Diagram

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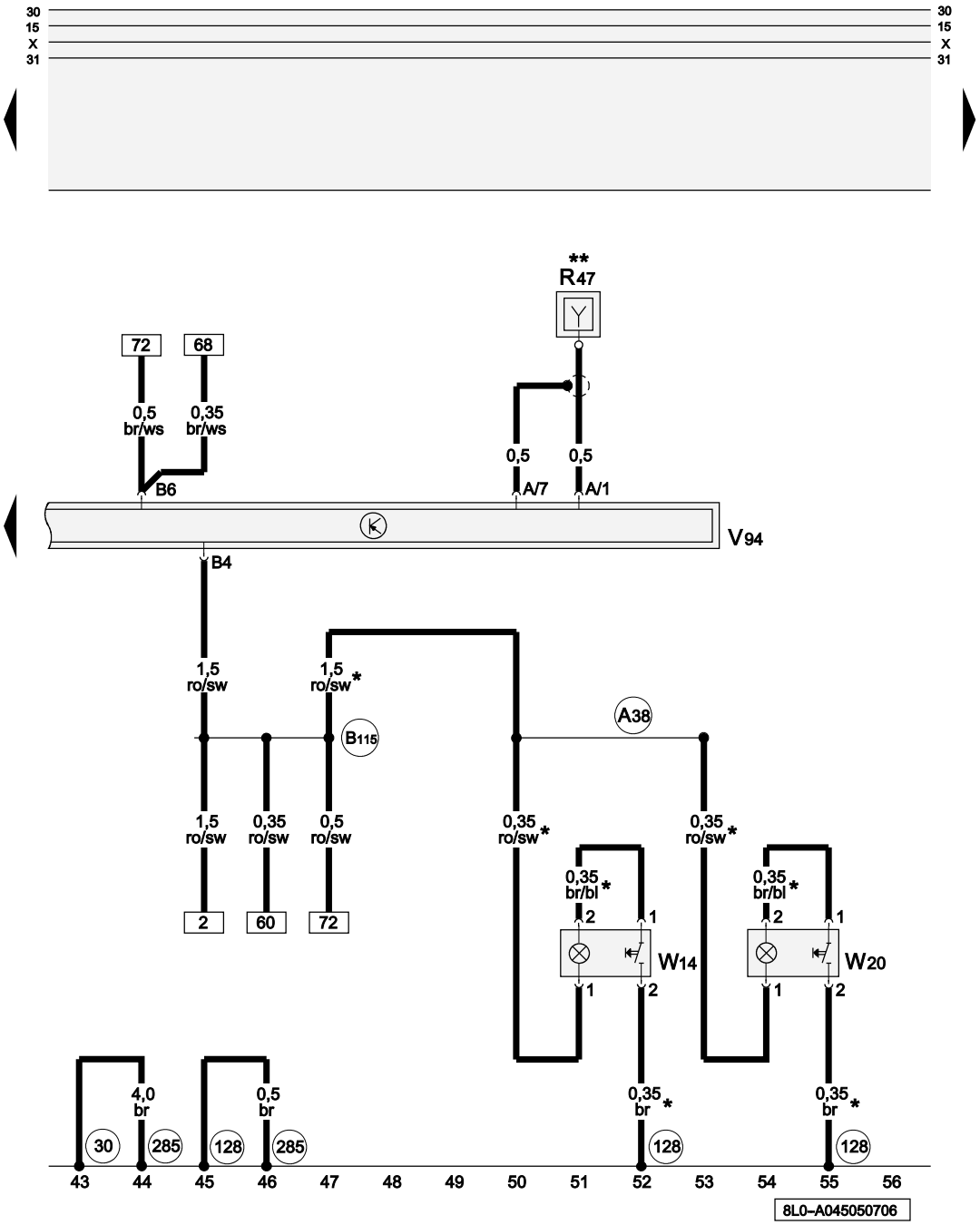


ws = white
sw = black
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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch, combi-processor in dash panel insert

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J218	Combi-processor in dash panel insert
T5i	5-pin connector, black, A-pillar left, near relay plate
T10d	10-pin connector, brown, connector carrier on left of A-pillar
T10f	10-pin connector, brown, connector carrier on right of A-pillar
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W	Front interior light
205	Earth connection, in driver door wiring harness
269	Earth connection (sender earth) 1, in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B155	Connection 2 (DCt), in interior wiring harness
*	only with 4-door models
**	only models with petrol engine

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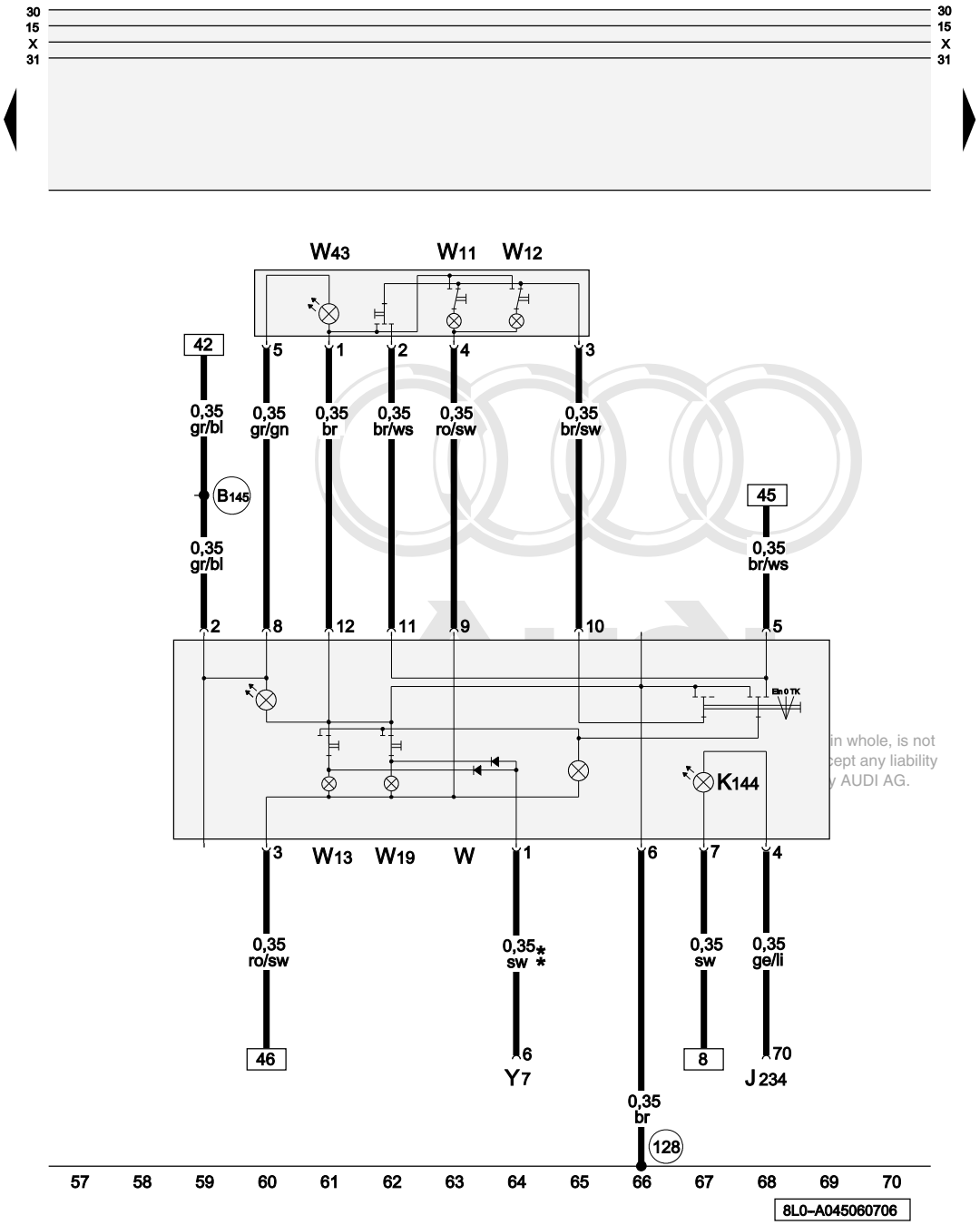


Driver and front passenger side illuminated vanity mirror

R47	Central locking and anti-theft alarm system aerial
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W14	Illuminated vanity mirror (front passenger side)
W20	Illuminated vanity mirror (driver side)
30	Earth point 1, next to relay plate
128	Earth connection 1, in interior light wiring harness
285	Earth connection 7, in interior wiring harness
A38	Positive connection 2 (15a), in dash panel wiring harness
B115	Positive connection (30, central electrics), in interior wiring harness
*	only illuminated vanity mirror
**	only remote control

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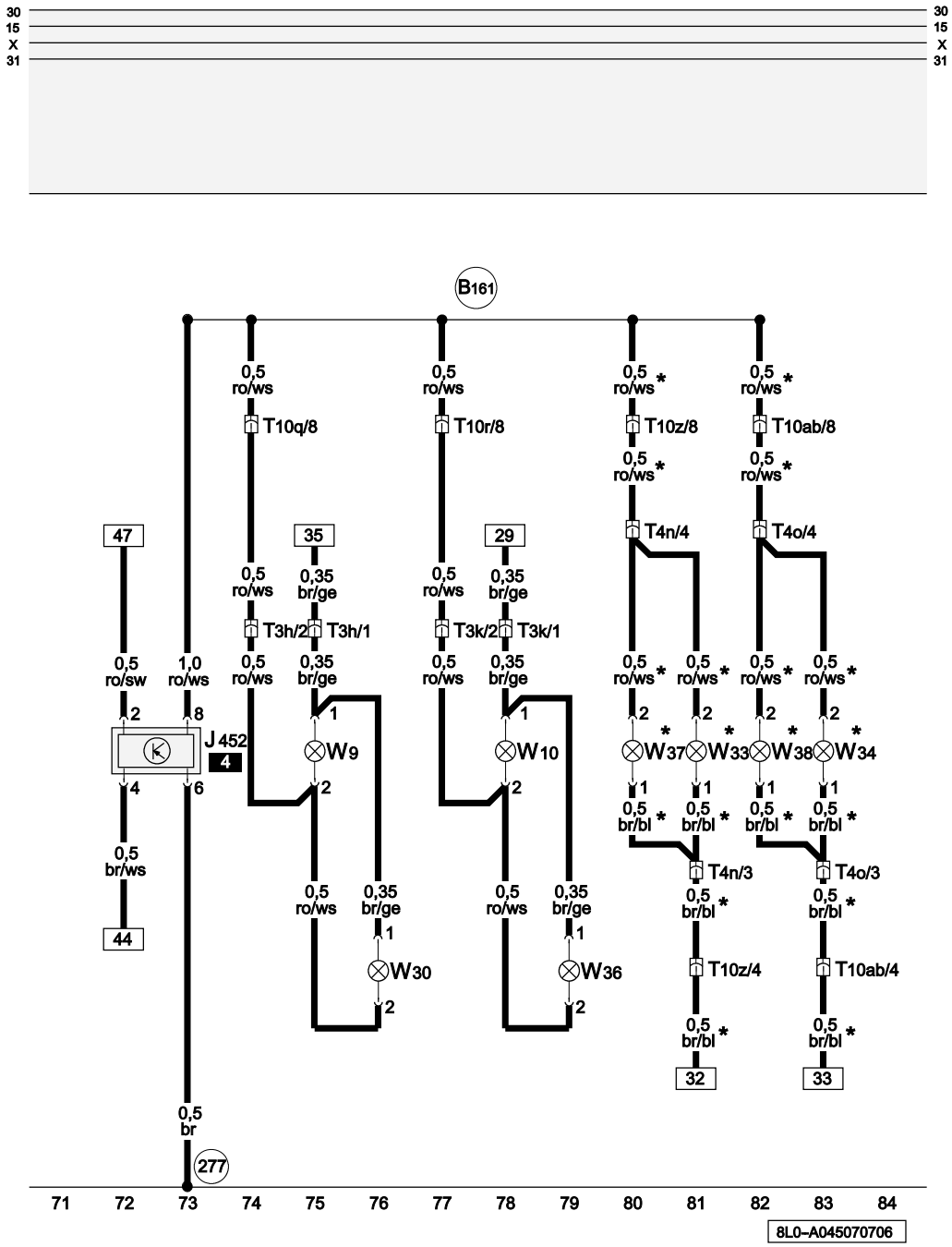


Front and rear interior light

J234	Airbag control unit
K144	Driver side airbag deactivated warning lamp
W	Front interior light
W11	Rear left reading light
W12	Rear right reading light
W13	Front passenger side reading light
W19	Reading light/driver side
W43	Rear interior light
Y7	Automatic anti-dazzle interior mirror
128	Earth connection 1, in interior light wiring harness
B145	Positive connection (58b), in interior wiring harness
**	for automatic anti-dazzle interior mirror only

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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rs = pink

Door warning lamps control unit, front interior light, footwell lights, door warning lamp

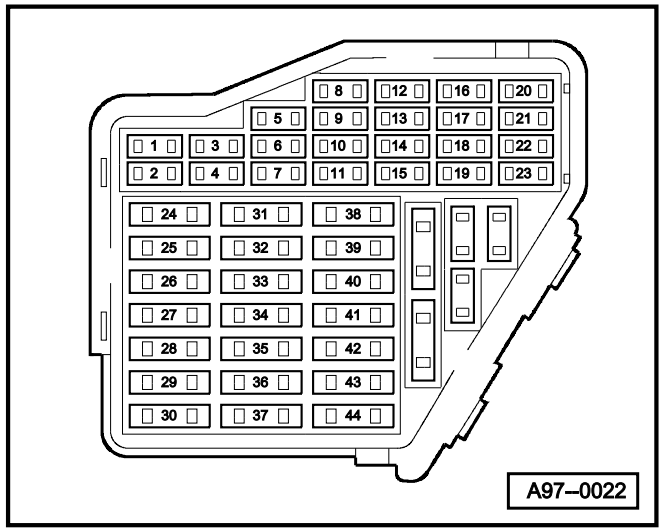
J452	Door warning lamps control unit
T3h	3-pin connector, black, interior, in driver door
T3k	3-pin connector, black, interior, in front passenger door
T4n	4-pin connector, black, in rear left door
T4o	4-pin connector, black, in rear right door
T10q	10-pin connector, green, connector carrier on left of A-pillar
T10r	10-pin connector, green, connector carrier on right of A-pillar
T10z	10-pin connector, green, connector carrier on left of B-pillar
T10ab	10-pin connector, green, connector carrier on left of B-pillar
W9	Left footwell light
W10	Right footwell light
W30	Driver side door warning lamp
W33	Rear left entry light
W34	Rear right entry light
W36	Front passenger side door warning lamp
W37	Rear left door warning lamp
W38	Rear right door warning lamp
277	Earth connection 3, in interior wiring harness
B161	Connection (ATA), in interior wiring harness
*	only with 4-door models

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Central locking system with interior lights switch-off delay, reading lamps and illuminated vanity mirrors

From model year 2002

Fuse box



- Dash panel, driver's side

Fuse colours

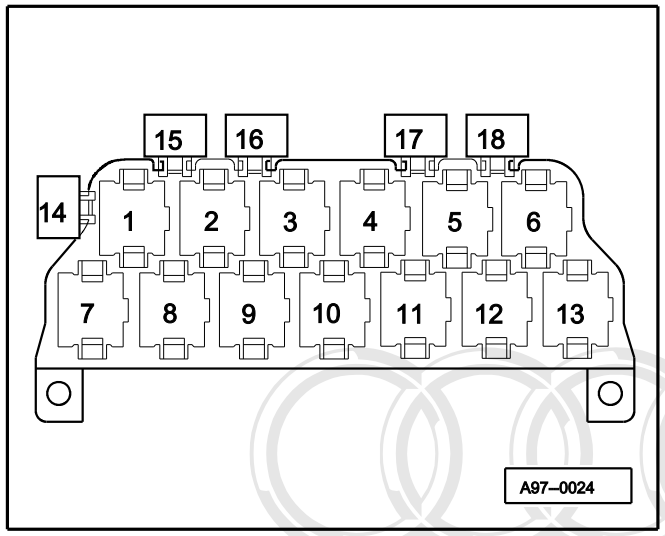
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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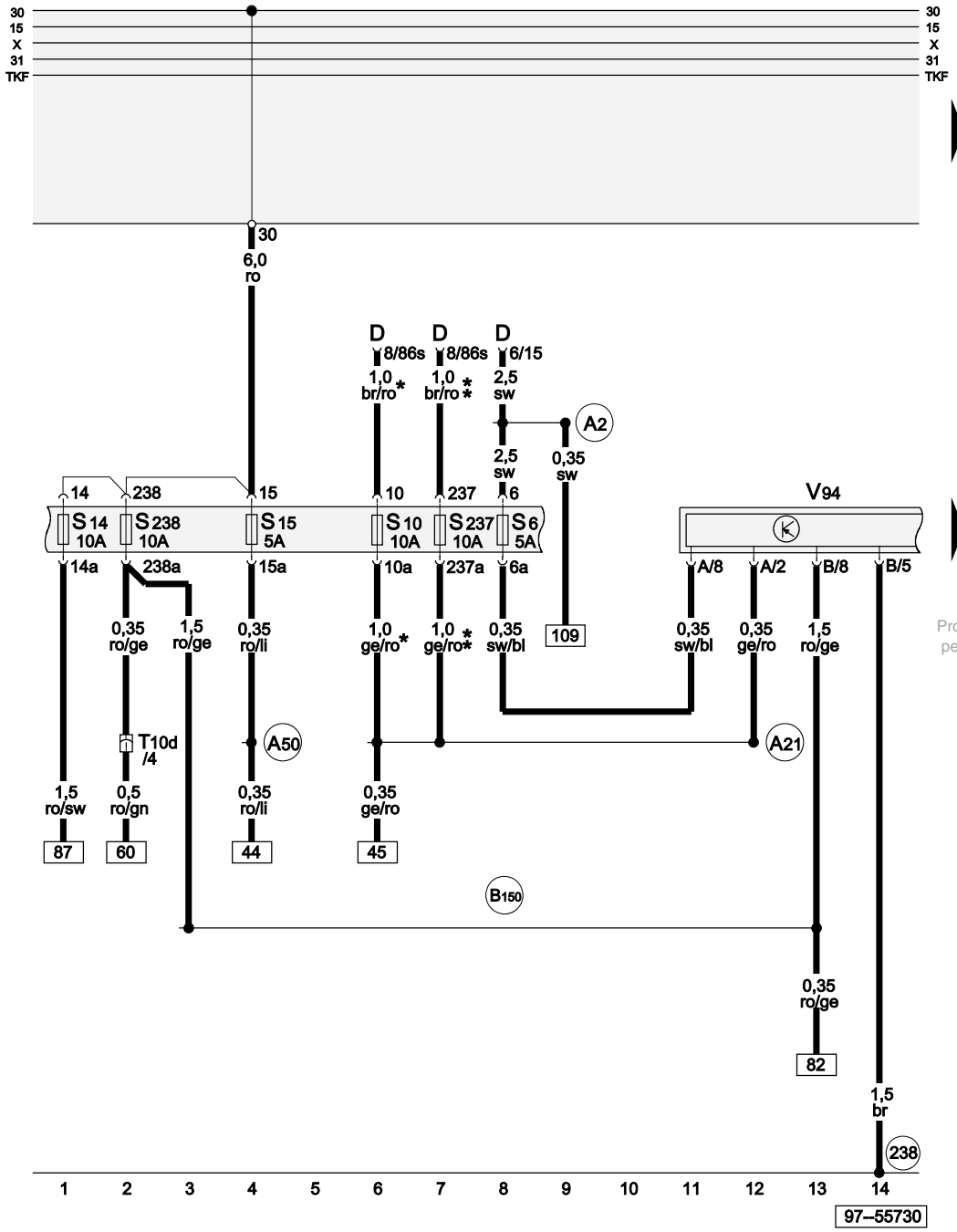
13-point relay carrier



♦ Above micro-central electrics, under driver's storage compartment

4 - Door warning lamps control unit

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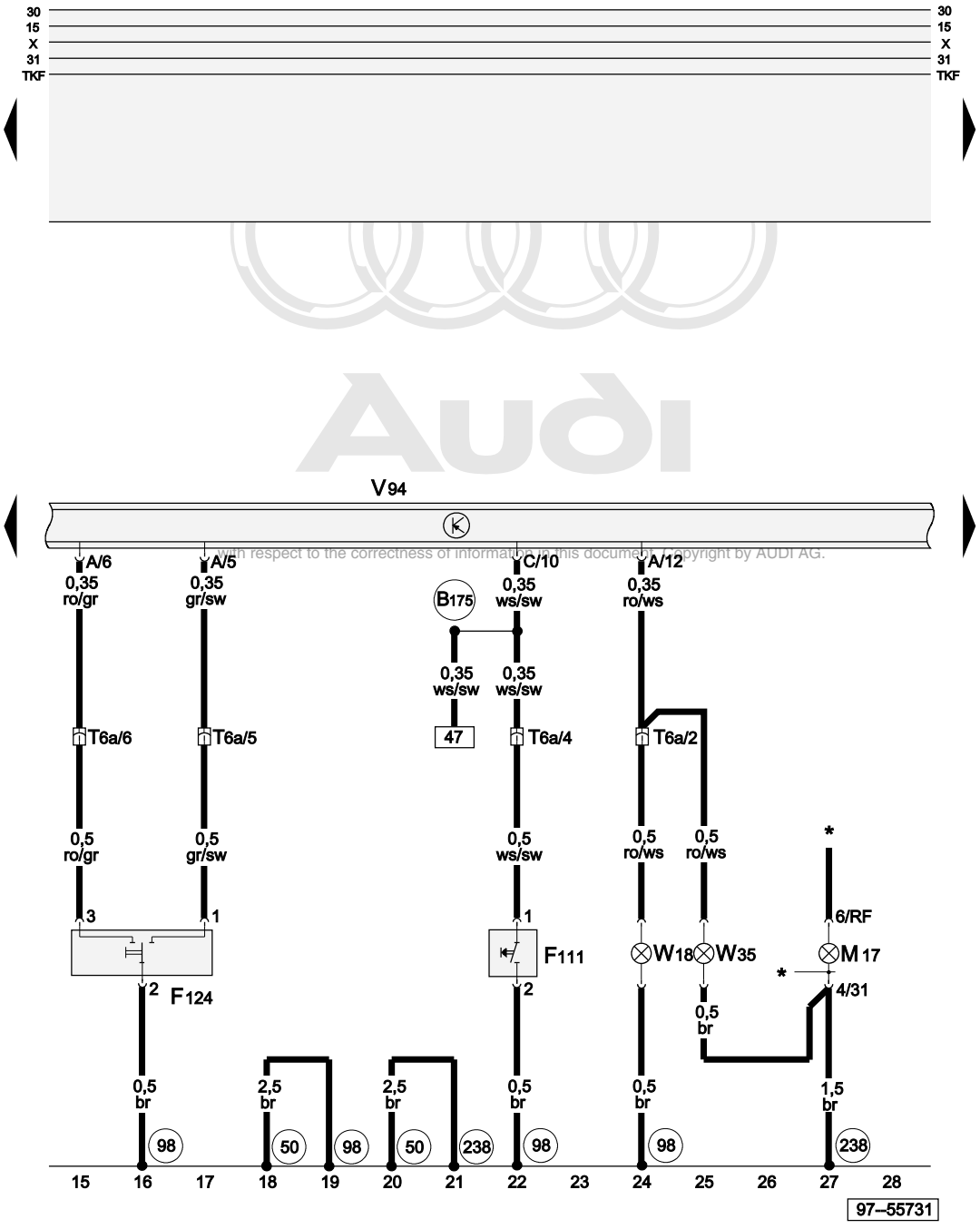


Ignition/starter switch, fuses

D	Ignition/starter switch
S6	Fuse in fuse box/relay plate
S10	Fuse in fuse box/relay plate
S14	Fuse in fuse box/relay plate
S15	Fuse in fuse box/relay plate
S237	Fuse in fuse box
S238	Fuse in fuse box
T10d	10-pin connector, brown, connector carrier, A pillar, left
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
238	Earth connection -1-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
A50	Positive (+) connection (30as), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
*	From November 2001 onwards
**	As of November 2001 no longer fitted

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

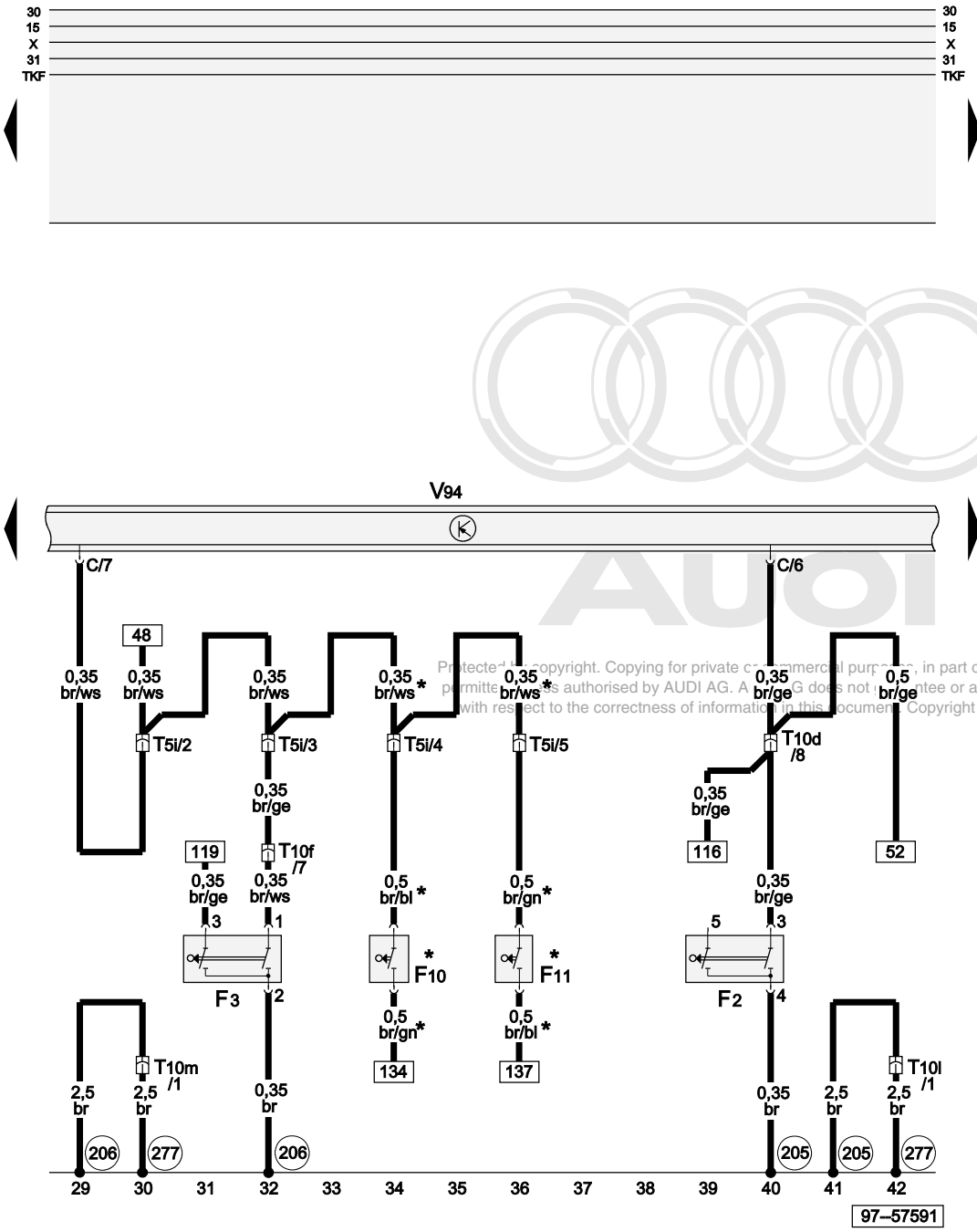


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Contact switch in lock cylinder for tailgate anti-theft alarm system/central locking system, luggage compartment lights

F111	Tailgate contact switch
F124	Contact switch in lock cylinder for tailgate anti-theft alarm system/ central locking system
M17	Reversing light bulb, right
T6a	6-pin connector, black, in luggage compartment, left
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W18	Luggage compartment light, left
W35	Luggage compartment light, right
50	Earth point, luggage compartment, left
98	Earth connection, in tailgate wiring harness
238	Earth connection -1-, in interior wiring harness
B175	Connection (central locking), in interior wiring harness
*	Current supply: see Current Flow Diagram No. 24

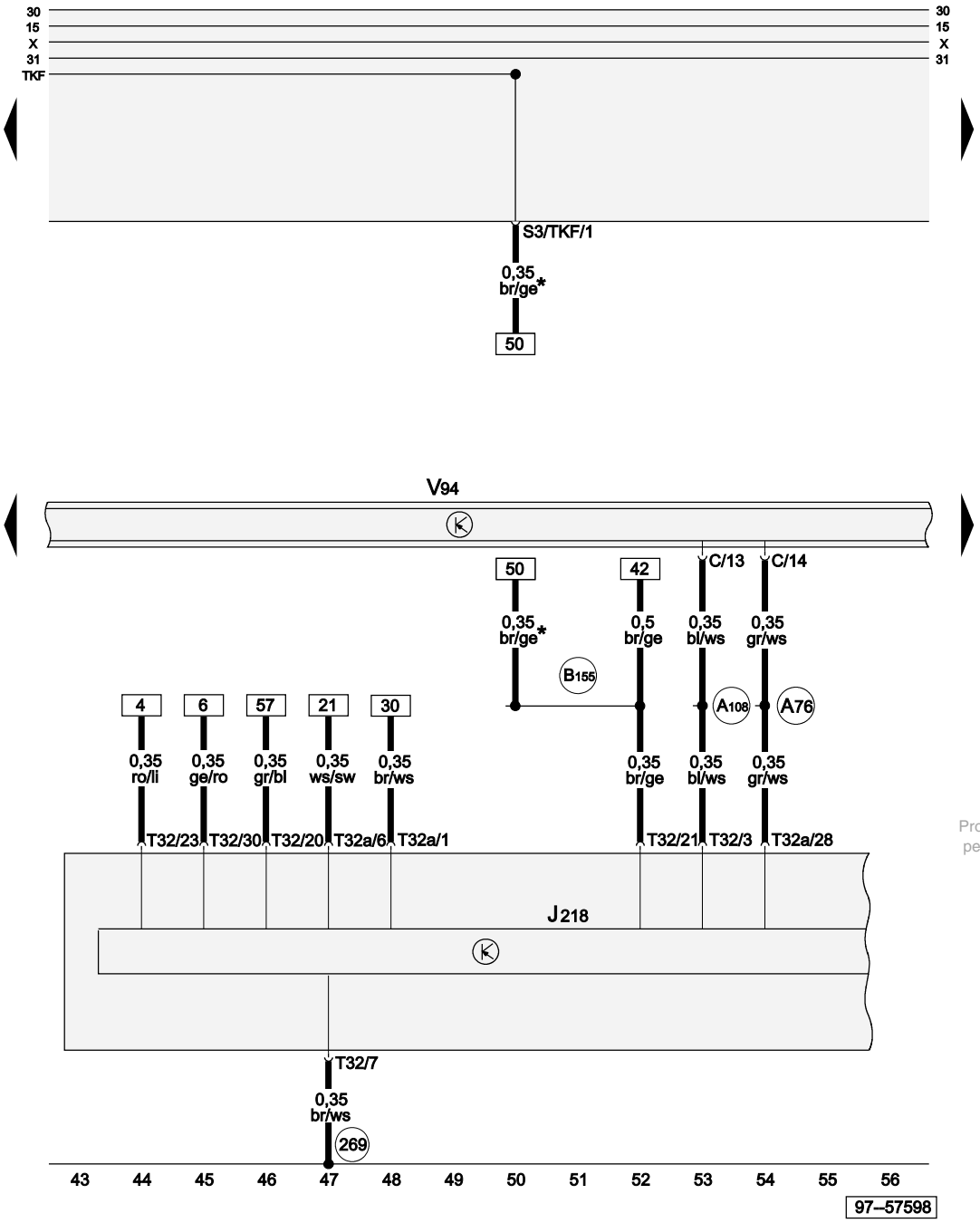


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Door contact switches

F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
F10	Rear left door contact switch
F11	Rear right door contact switch
T5i	5-pin connector, black, A pillar, left, near relay plate
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
(205)	Earth connection, in door wiring harness - driver's side
(206)	Earth connection, in door wiring harness - front passenger's side
(277)	Earth connection -3-, in interior wiring harness
*	Only on 4-door models

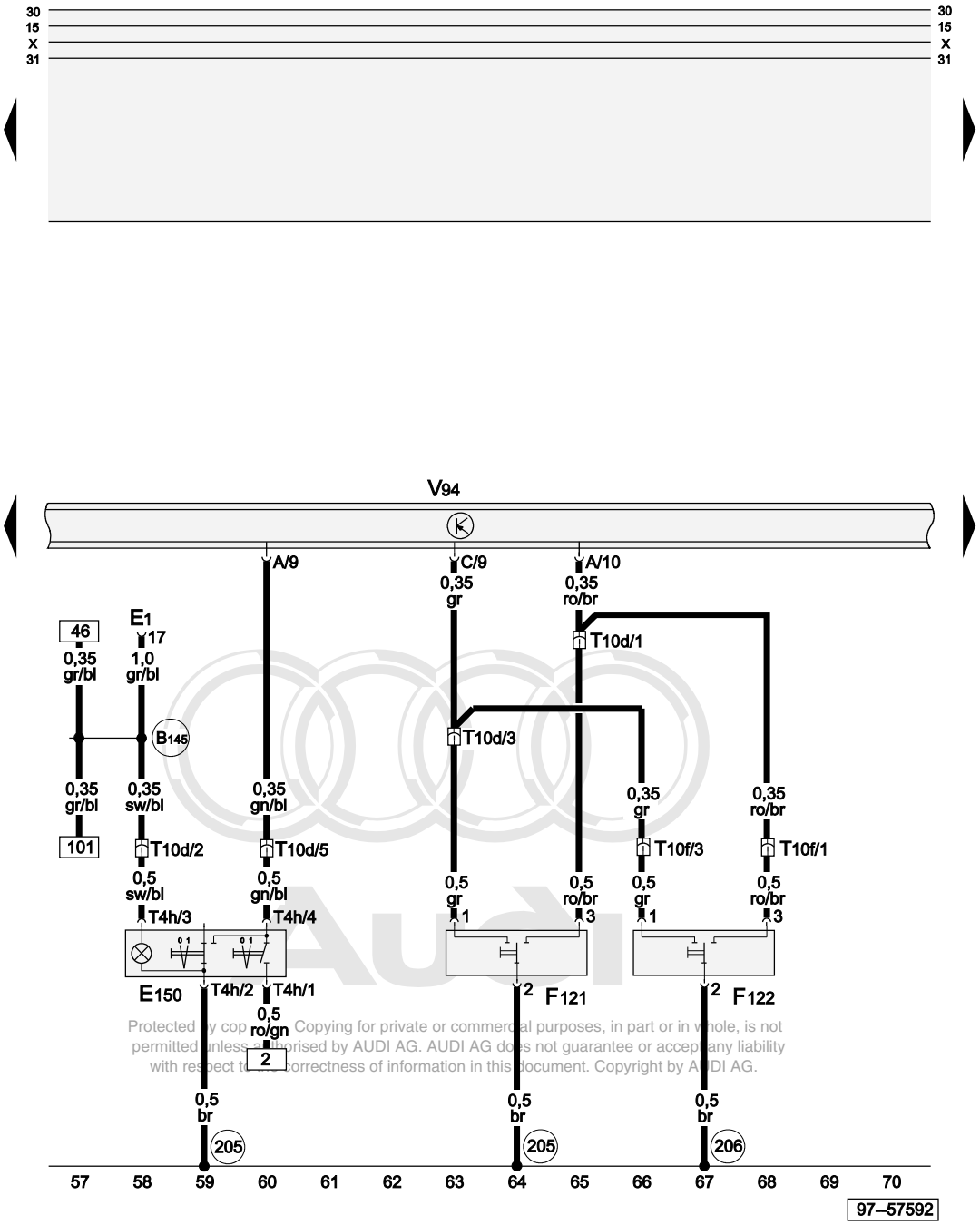


Combi-processor in dash panel insert

J218	Combi-processor in dash panel insert
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
269	Earth connection (sender earth) -1-, in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B155	Connection -2- (TK (door contact)), in interior wiring harness
*	Only applies to models with petrol engine

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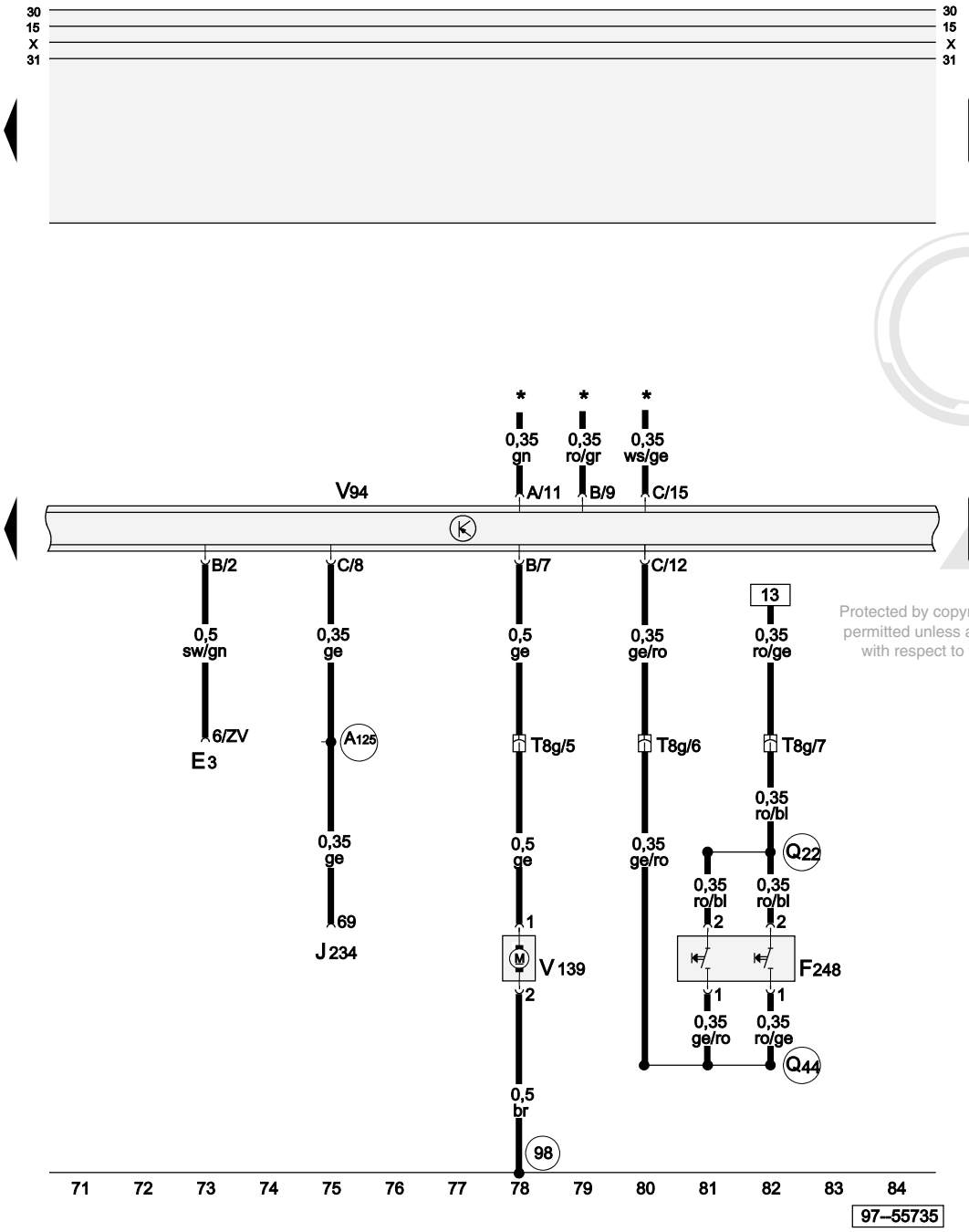


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Interior locking switch - driver's side, door handle switch for anti-theft alarm

F122	Front passenger's door handle switch for anti-theft alarm
F121	Driver's door handle switch for anti-theft alarm
E1	Lighting switch
E150	Interior locking switch, driver's side
T4h	4-pin connector, black, interior locking, in driver's door
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
205	Earth connection, in door wiring harness - driver's side
206	Earth connection, in door wiring harness - front passenger's side
B145	Positive (+) connection (58b), in interior wiring harness

ws	=	white
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ge	=	yellow
or	=	orange
rs	=	pink

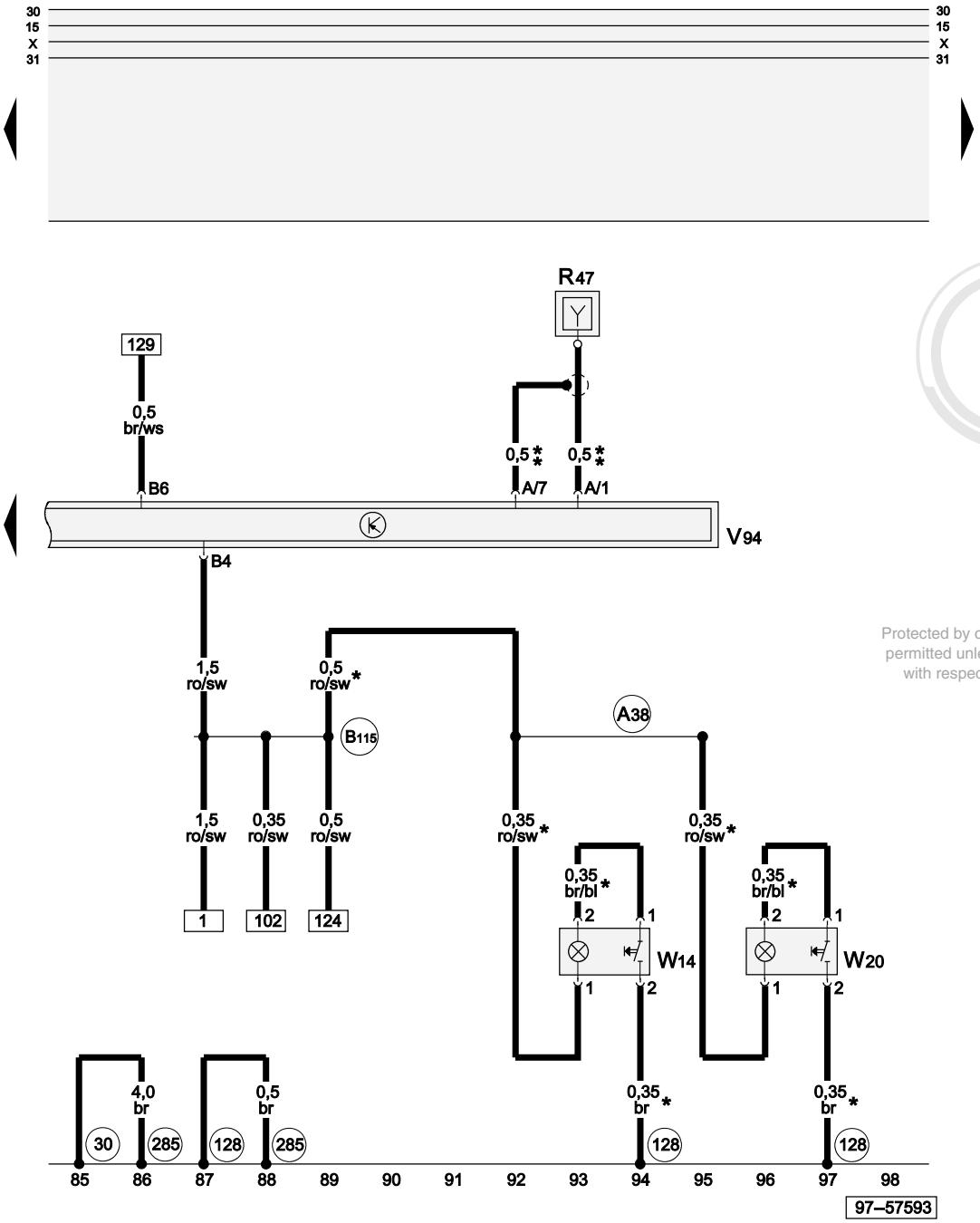


Release button for rear lid lock cylinder, rear lid release motor

E3	Hazard warning light switch
F248	Release button for rear lid lock cylinder
J234	Airbag control unit
T8g	8-pin connector, brown, in luggage compartment, left
V139	Rear lid release motor
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
98	Earth connection, in rear lid wiring harness
A125	Connection (crash signal), in dash panel wiring harness
Q22	Connection -1-, in rear lid wiring harness
Q44	Connection -2-, in rear lid wiring harness
*	See Current Flow Diagram for 'Electric windows' or 'Sliding sunroof'

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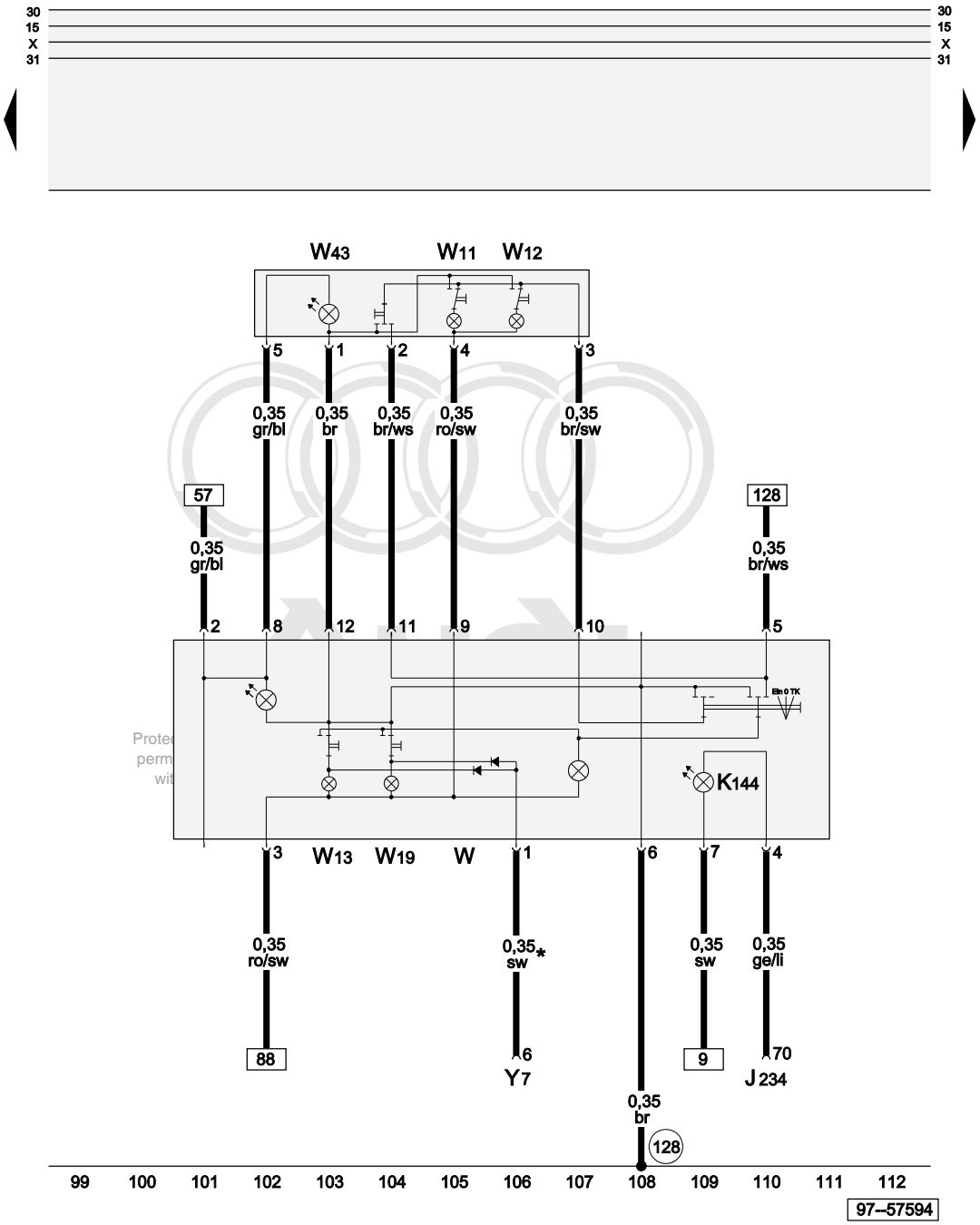


Illuminated vanity mirrors on driver's and front passenger's side

R47	Central locking and anti-theft alarm system aerial
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W14	Illuminated vanity mirror, front passenger's side
W20	Illuminated vanity mirror, driver's side
30	Earth point -1-, next to relay plate
128	Earth connection -1-, in interior light wiring harness
285	Earth connection -7-, in interior wiring harness
A38	Positive (+) connection -2- (15a), in dash panel wiring harness
B115	Positive (+) connection (30, central electrics), in interior wiring harness
*	Only applies to models with illuminated vanity mirrors
**	Only applies to models with radio-operated remote control

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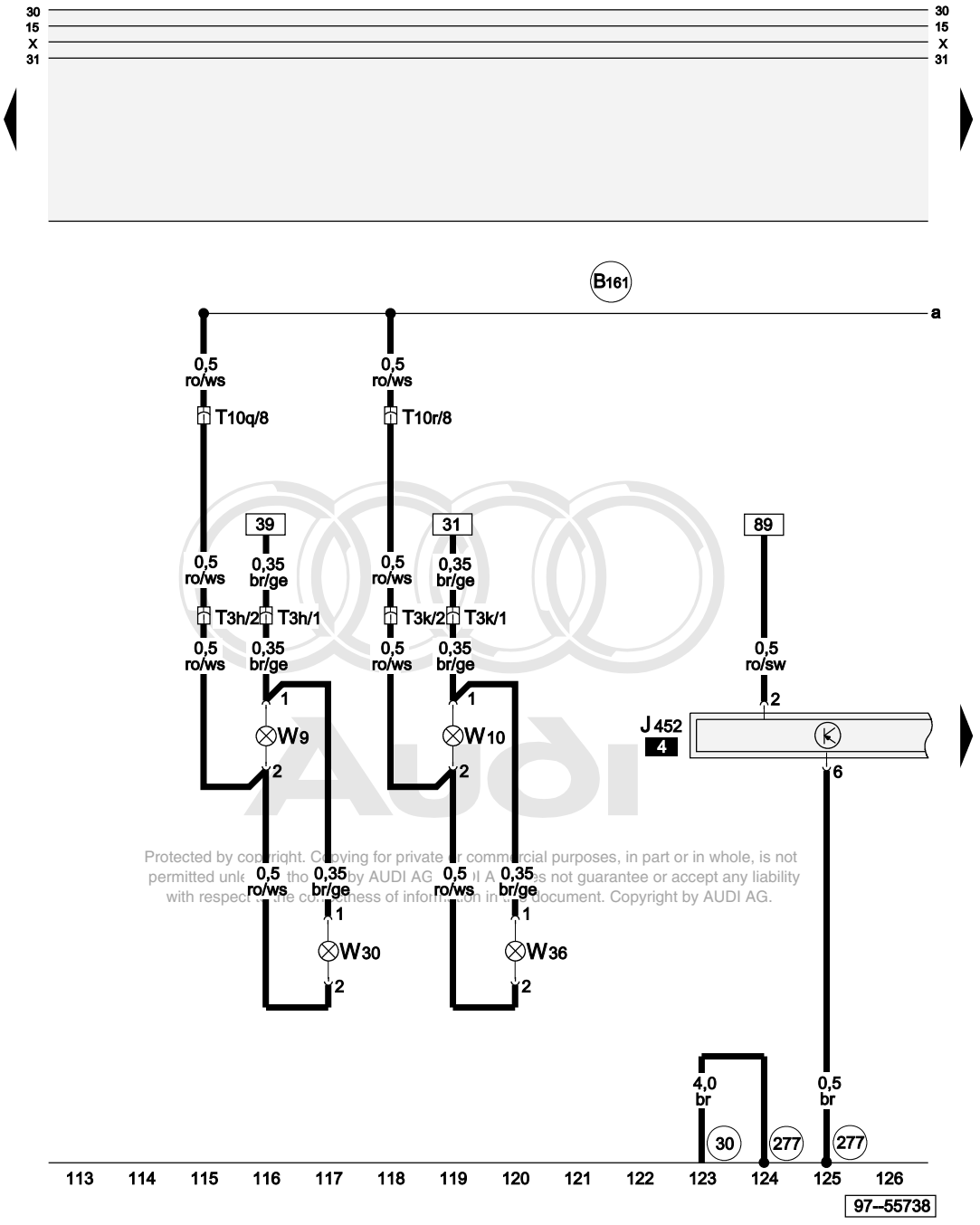
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ro	=	red
br	=	brown
gn	=	green
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Front and rear interior lights

J234	Airbag control unit
K144	Airbag disabled warning lamp, driver's side
W	Interior light, front
W11	Reading lamp, rear left
W12	Reading lamp, rear right
W13	Reading lamp, front passenger's side
W19	Reading lamp, driver's side
W43	Rear interior light
Y7	Automatic anti-dazzle interior mirror
128	Earth connection -1-, in interior light wiring harness
*	Only models with automatic anti-dazzle interior mirror

ws	=	white
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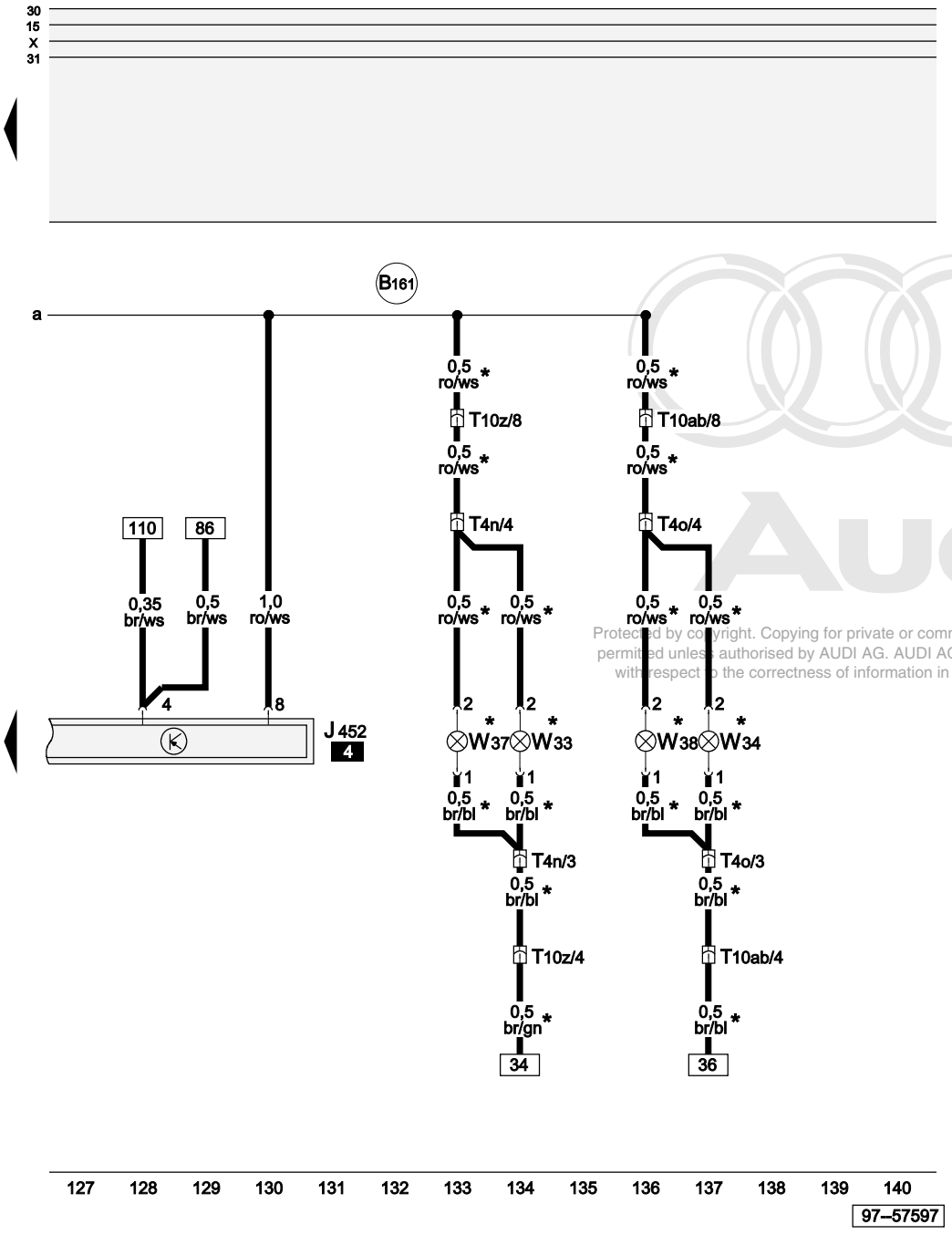


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Door warning lamps control unit, left and right footwell light, left and right door warning lamp

J452	Door warning lamps control unit
T3h	3-pin connector, black, vehicle interior, in driver's door
T3k	3-pin connector, black, vehicle interior, in front passenger's door
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right
W9	Left footwell light
W10	Right footwell light
W30	Door warning lamp, driver's side
W36	Door warning lamp, front passenger's side
30	Earth point -1-, next to relay plate
277	Earth connection -3-, in interior wiring harness
B161	Connection (anti-theft alarm), in interior wiring harness

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



Door warning lamps control unit, rear left and rear right entry light, rear left and rear right door warning lamp

J452	Door warning lamps control unit
T4n	4-pin connector, black, in rear left door
T4o	4-pin connector, black, in rear right door
T10z	10-pin connector, green, connector carrier, B pillar, left
T10ab	10-pin connector, green, connector carrier, B pillar, left
W33	Rear left entry light
W34	Rear right entry light
W37	Door warning lamp, rear left
W38	Door warning lamp, rear right
B161	Connection (anti-theft alarm), in interior wiring harness
*	Only on 4-door models

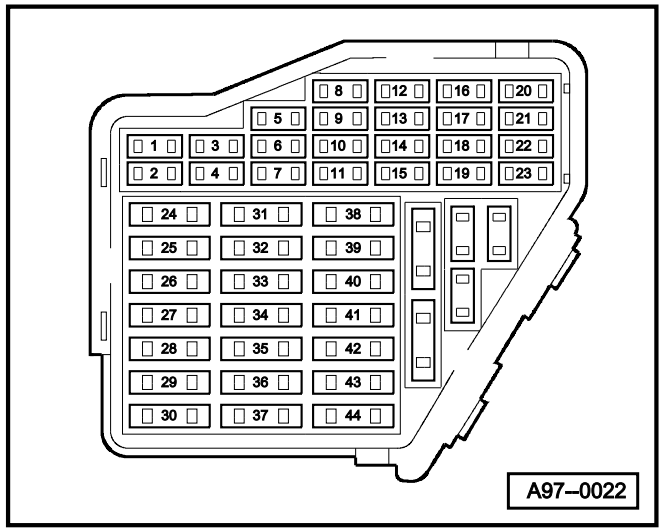
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or	=	orange
rs	=	pink

Electric windows, 2-door (with roll-back function)

From model year 2001

Fuse box



- Dash panel, driver's side

Fuse colours

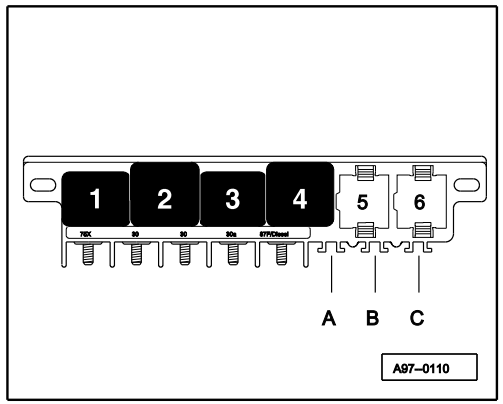
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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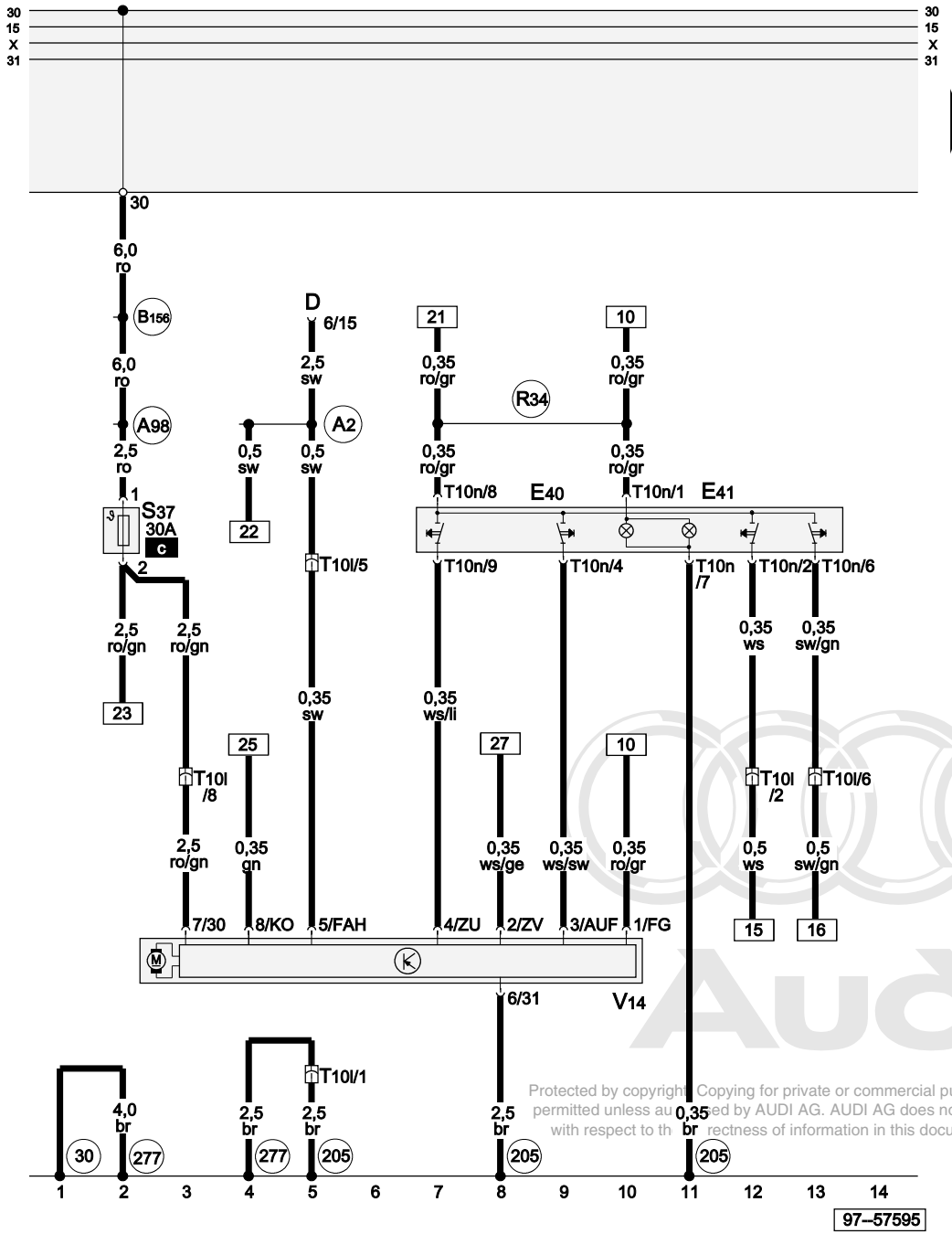
Micro-central electrics



◆ Under driver's storage compartment

C - Electric window single fuse (S37)

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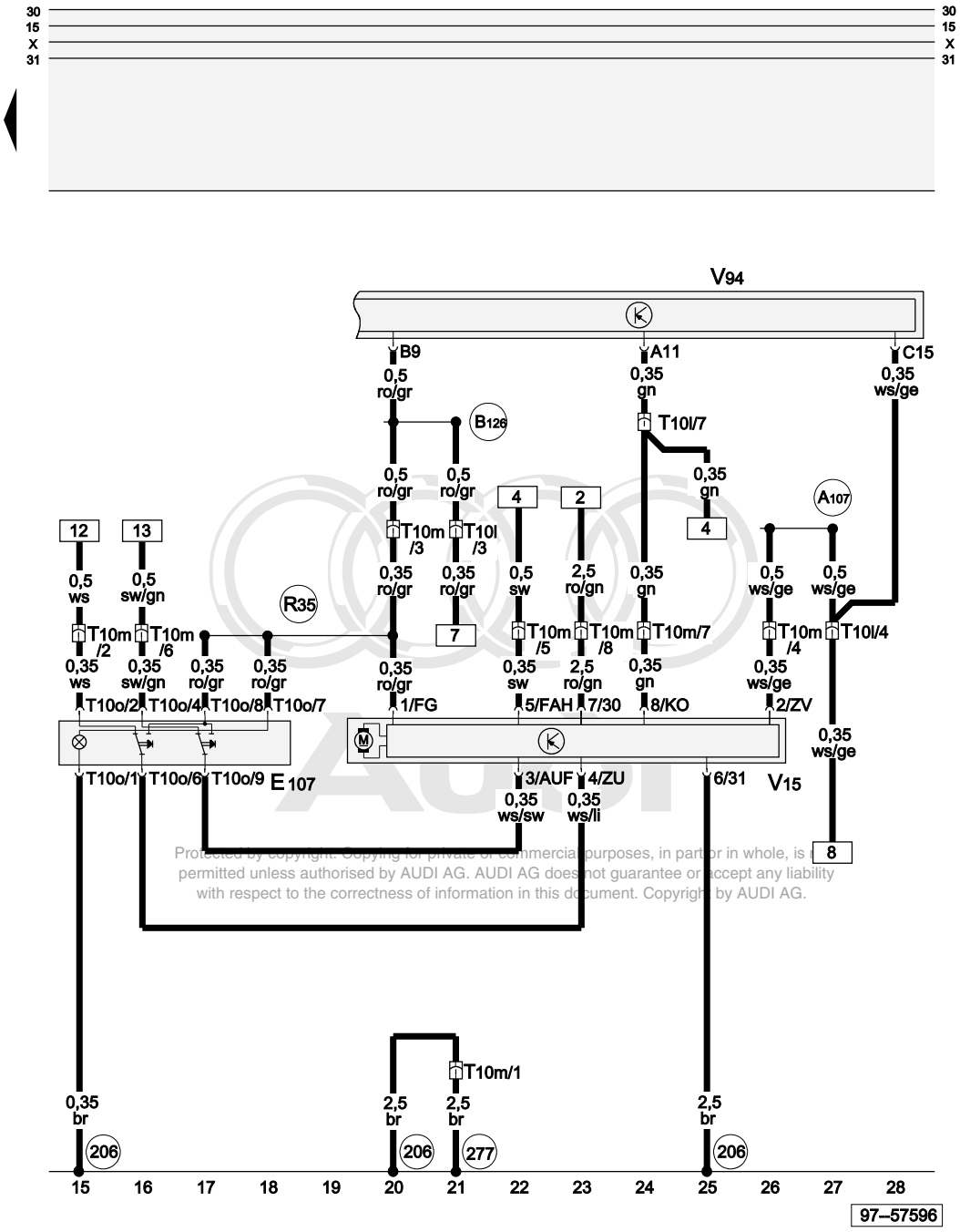


Electric window motor, left

D	Ignition/starter switch
S37	Electric window single fuse
E40	Front left electric window switch
E41	Front right electric window switch
T10l	10-pin connector, red, connector carrier, A pillar, left
T10n	10-pin connector, in driver's door
V14	Electric window motor, left
30	Earth point -1-, next to relay plate
205	Earth connection, in door wiring harness - driver's side
277	Earth connection -3-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
R34	Connection (87), in door wiring harness, driver's side

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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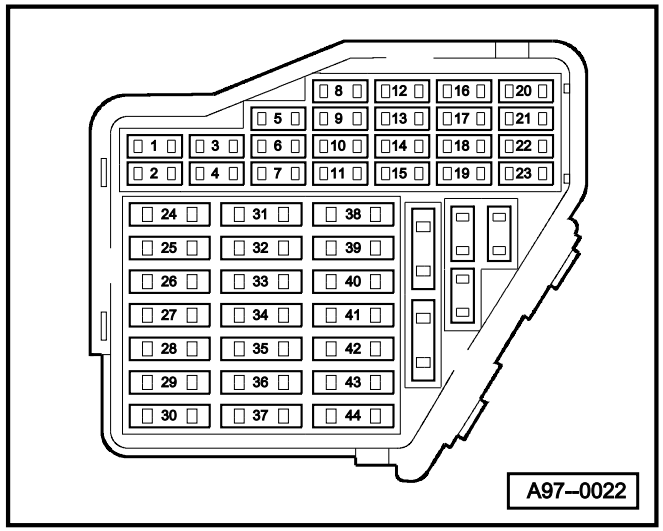
Electric window motor, right

E107	Electric window switch, in front passenger's door
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, right
T10o	10-pin connector, in front passenger's door
V15	Electric window motor, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
206	Earth connection, in door wiring harness - front passenger's side
277	Earth connection -3-, in interior wiring harness
A107	Connection (convenience close feature), in dash panel wiring harness
B126	Connection (87, electric window control unit), in interior wiring harness
R35	Connection (87), in door wiring harness, front passenger's side

Electric sliding sunroof with automatic preselector

From model year 2001

Fuse box



♦ Dash panel, driver's side

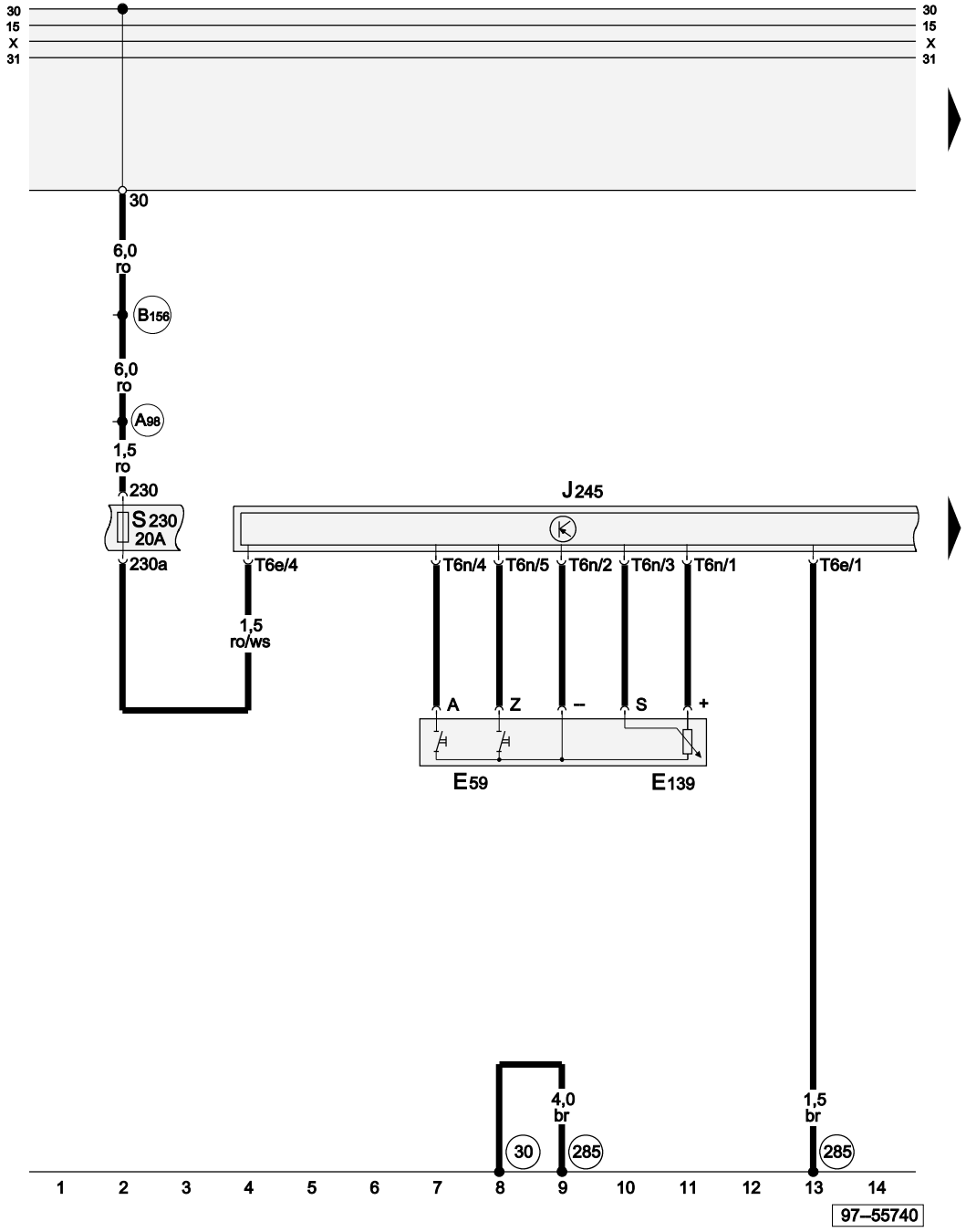
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Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

♦ *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

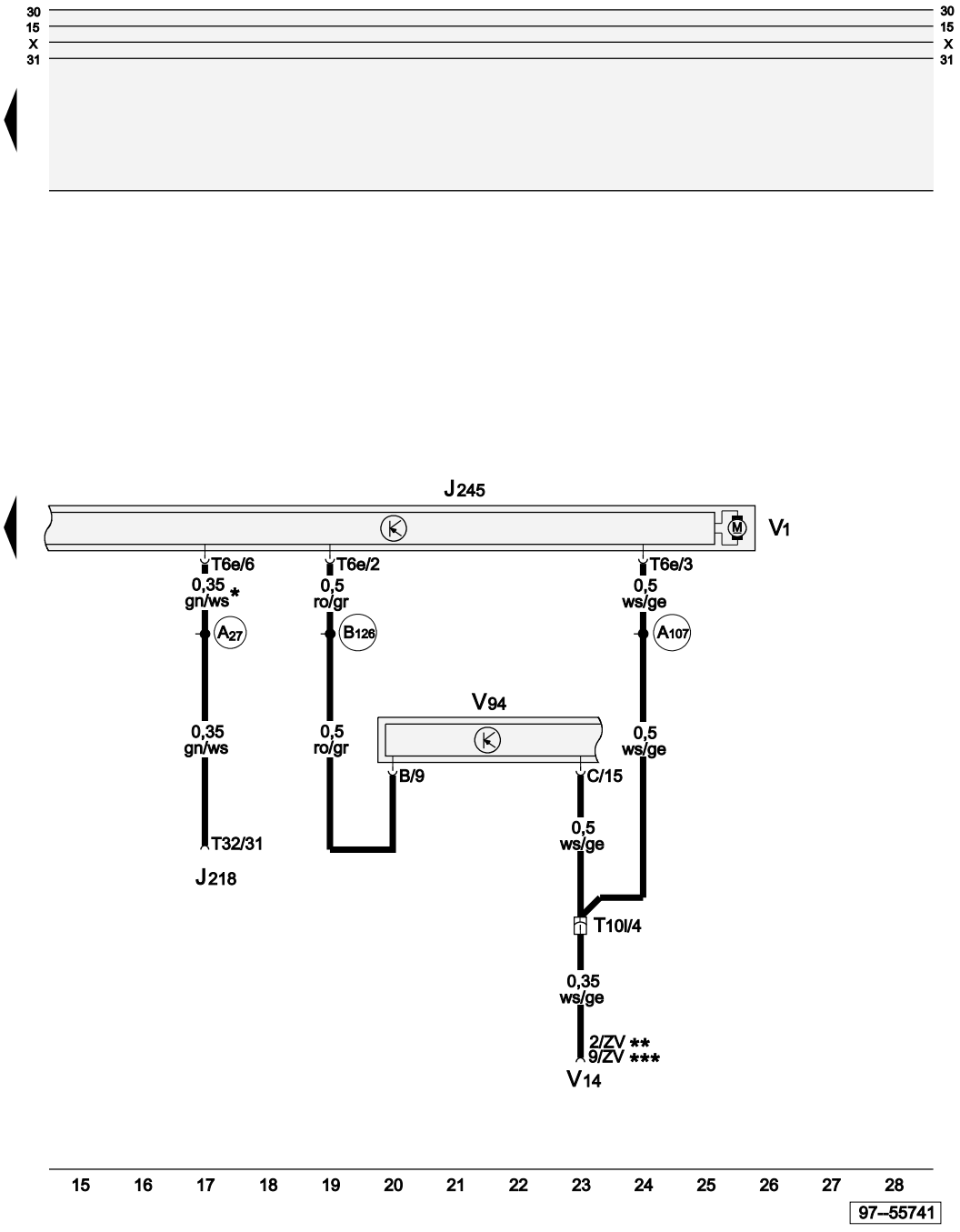


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Sliding sunroof adjustment control unit, sliding sunroof lift/lower switch, sliding sunroof adjustment regulator

E59	Sliding sunroof lift/lower switch
E139	Sliding sunroof adjustment regulator
J245	Sliding sunroof adjustment control unit
S230	Fuse in fuse box
T6e	6-pin connector, sliding sunroof, near interior light
T6n	6-pin connector, sliding sunroof, near interior light
30	Earth point -1-, next to relay plate
285	Earth connection -7-, in interior wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection (30a), in interior wiring harness

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Combi-processor in dash panel insert, central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system

J218	Combi-processor in dash panel insert
J245	Sliding sunroof adjustment control unit
T6e	6-pin connector, sliding sunroof, near interior light
T10l	10-pin connector, red, connector carrier, A pillar, left
T32	32-pin connector, blue, on dash panel insert
V1	Sliding sunroof motor
V14	Electric window motor, left
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
A27	Connection (speed signal), in dash panel wiring harness
B126	Connection (87, electric window control unit), in interior wiring harness
A107	Connection (convenience close feature), in dash panel wiring harness
*	From model year 2003 onwards
**	Only on 2-door models
***	Only on 4-door models

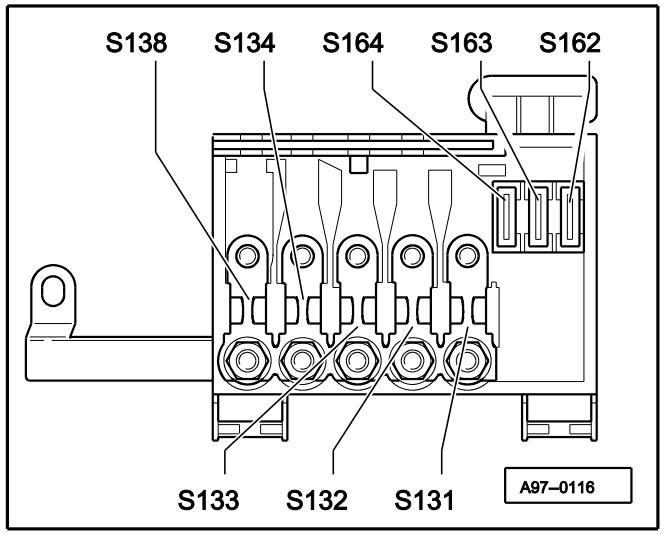
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Driving school vehicles

From model year 2001

Main fuse box/battery

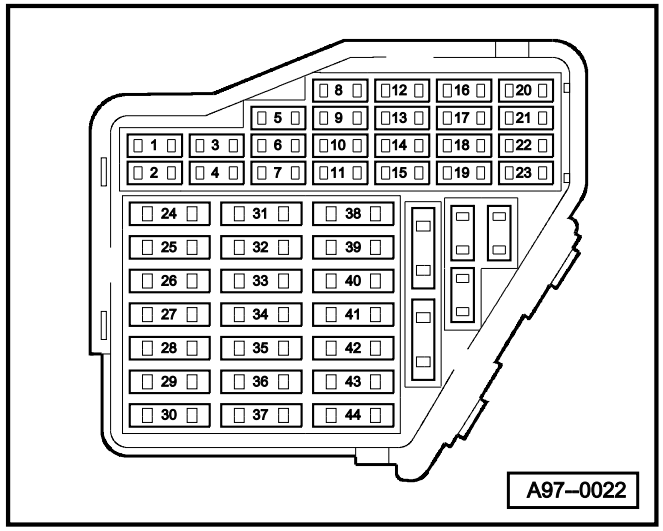


- On battery, in engine compartment, front left

Position of fuses
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - Fuse -1- (30), in fuse box/battery
S163 - Fuse -2- (30), in fuse box/battery
S164 - Fuse -3- (30), in fuse box/battery

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Fuse box



- Dash panel, driver's side

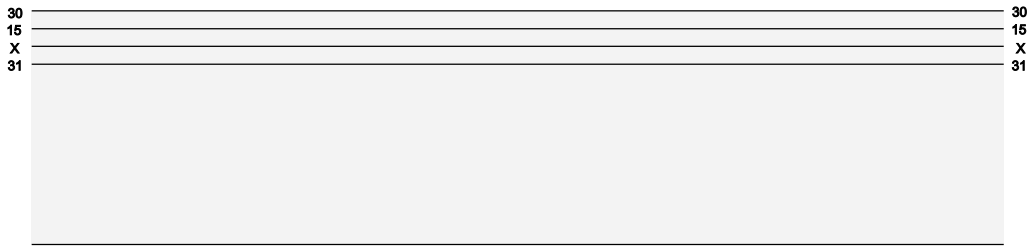
Fuse colours

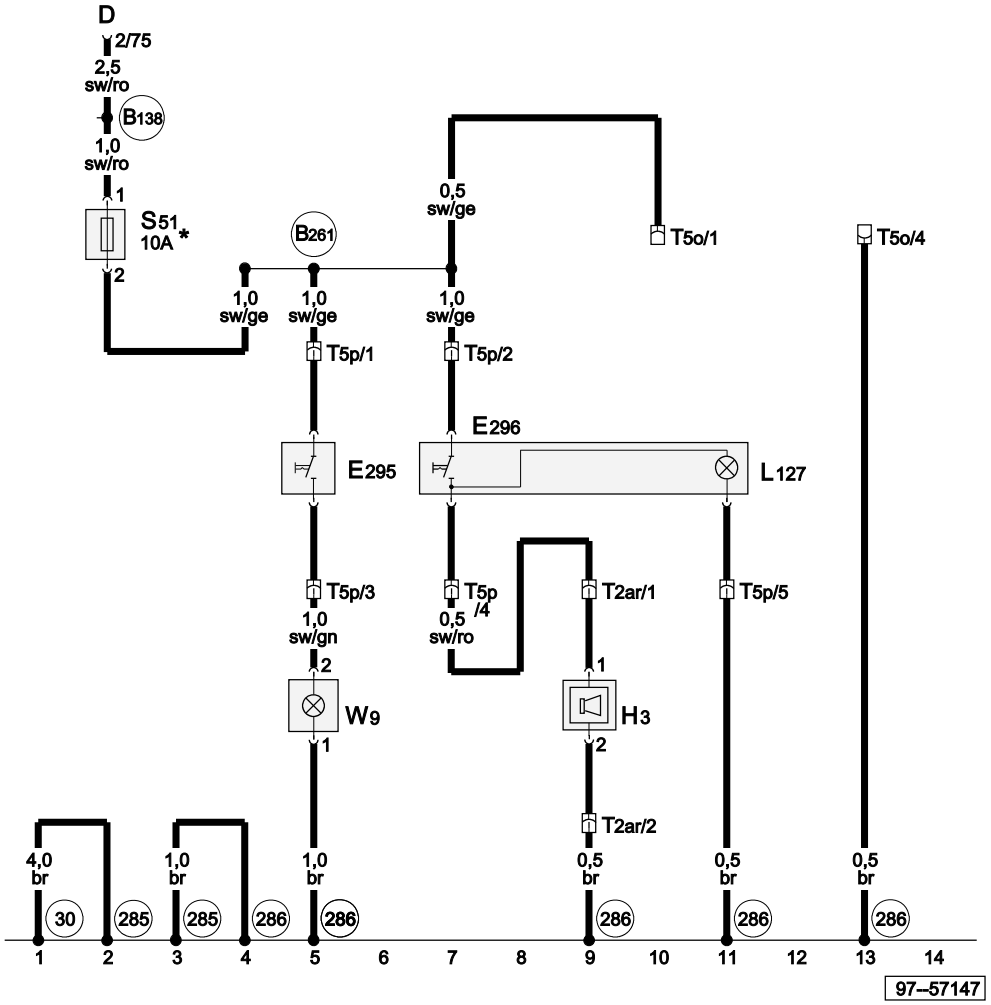
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

- *From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

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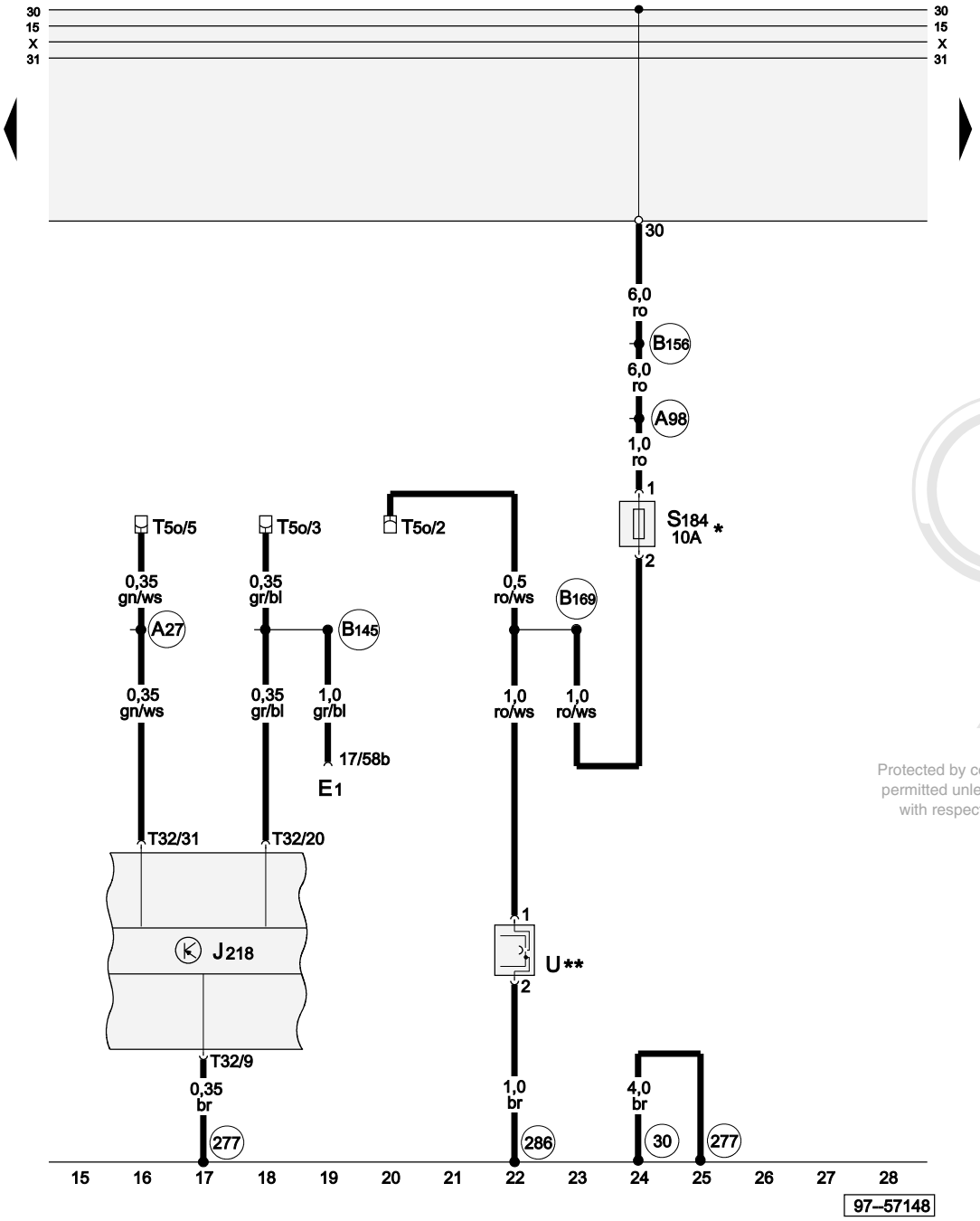


Footwell light switch, warning buzzer switch

D	Ignition/starter switch
H3	Buzzer/gong
E295	Footwell light switch
E296	Warning buzzer switch
L127	Electrical installations switch illumination
S51	Fuse
T2ar	2-pin connector, black, behind glove box
T5o	5-pin connector, black, behind glove box
T5p	5-pin connector, black, behind centre console
W9	Left footwell light
30	Earth point -1-, next to relay plate
285	Earth connection -7-, in interior wiring harness
286	Earth connection -8-, in interior wiring harness
B138	Positive (+) connection (X), in interior wiring harness
B261	Positive (+) connection -1- (75x, driving school), in interior wiring harness
*	On connector carrier, A pillar, left

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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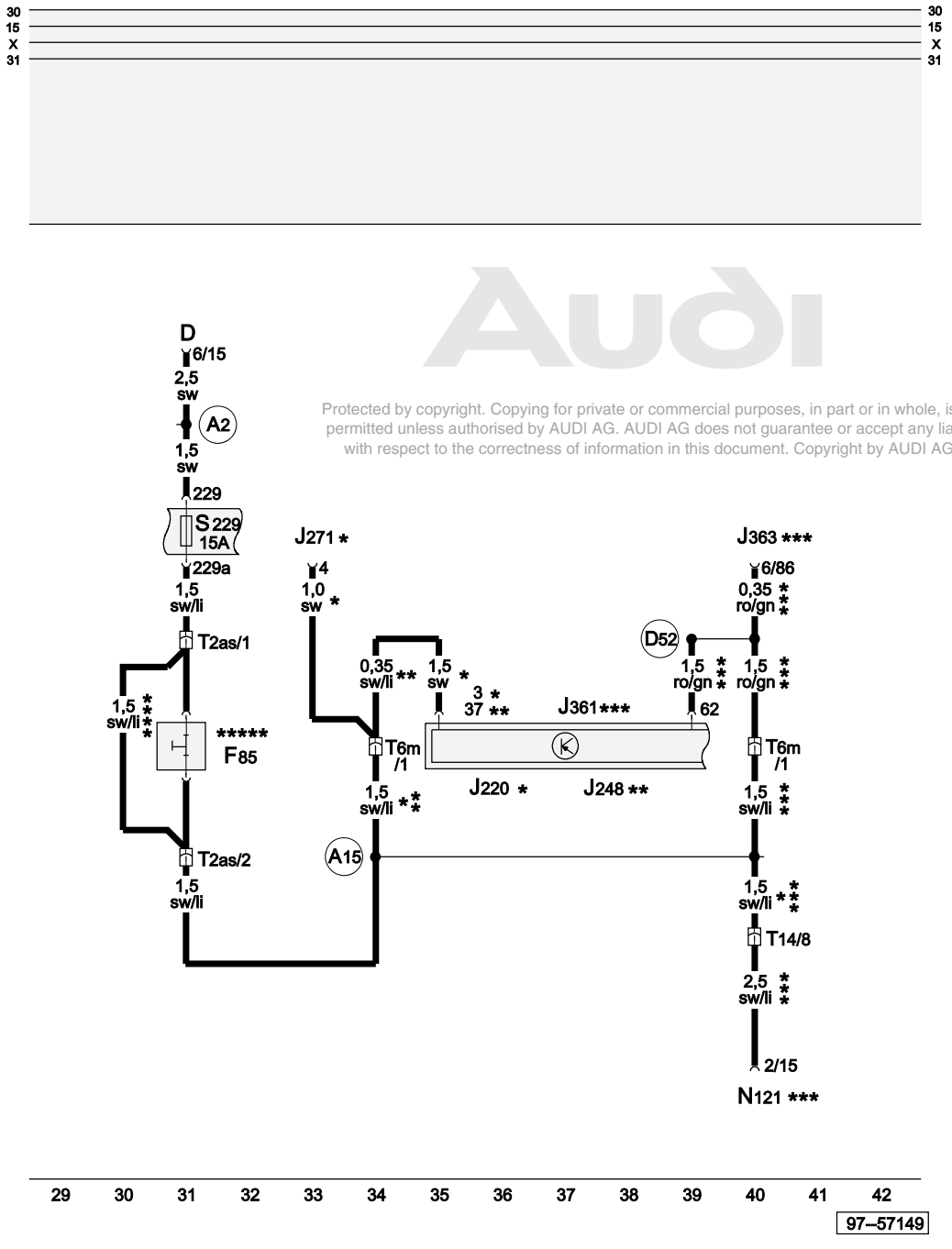


Combi-processor in dash panel insert, socket

E1	Lighting switch
J218	Combi-processor in dash panel insert
S184	Socket 1 fuse
T5o	5-pin connector, black, behind glove box
T32	32-pin connector, blue, on dash panel insert
U	Socket
30	Earth point -1-, next to relay plate
277	Earth connection -3-, in interior wiring harness
286	Earth connection -8-, in interior wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B156	Positive (+) connection (30a), in interior wiring harness
B169	Positive (+) connection -1- (30), in interior wiring harness
*	On connector carrier, A pillar, left
**	In glove box

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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



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Brake pedal switch for engine off

D	Ignition/starter switch
F85	Brake pedal switch for engine off
J220	Motronic control unit
J248	Diesel direct injection system control unit
J271	Motronic current supply relay
J361	Simos control unit
J363	Current supply relay for Simos control unit
N122	Final output stage
S229	Fuse in fuse box
T2as	2-pin connector, white, behind glove box
T6m	6-pin connector, brown, in plenum chamber
T14	14-pin connector, in engine compartment, left
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
D52	Positive (+) connection (15a), in engine compartment wiring harness
*	Only applies to models with engine codes APG, AUM, ARX, AUQ, ARY, AMK, BAM
**	Only applies to models with engine codes ALH, ATD, AXR, ASV, ASZ
***	Only applies to models with engine codes AVU, BFQ
****	Only applies to models with manual gearbox
*****	Only applies to models with automatic gearbox

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

Anti-locking brake system (ABS) MK20 with electronic differential lock (EDL), traction control system (TCS) and electronic stability program (ESP)

from model year 2001

Notes:

For information concerning

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

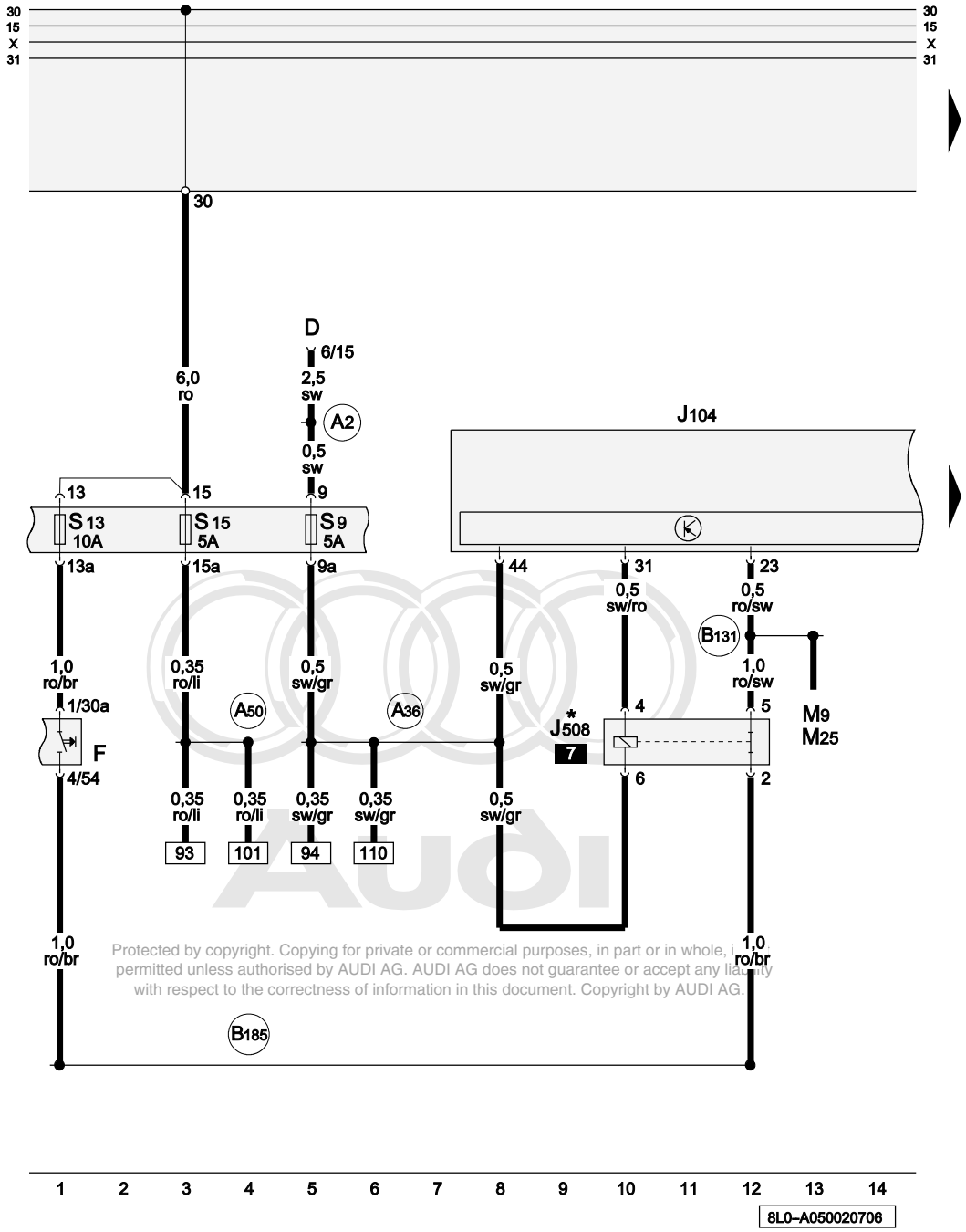
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

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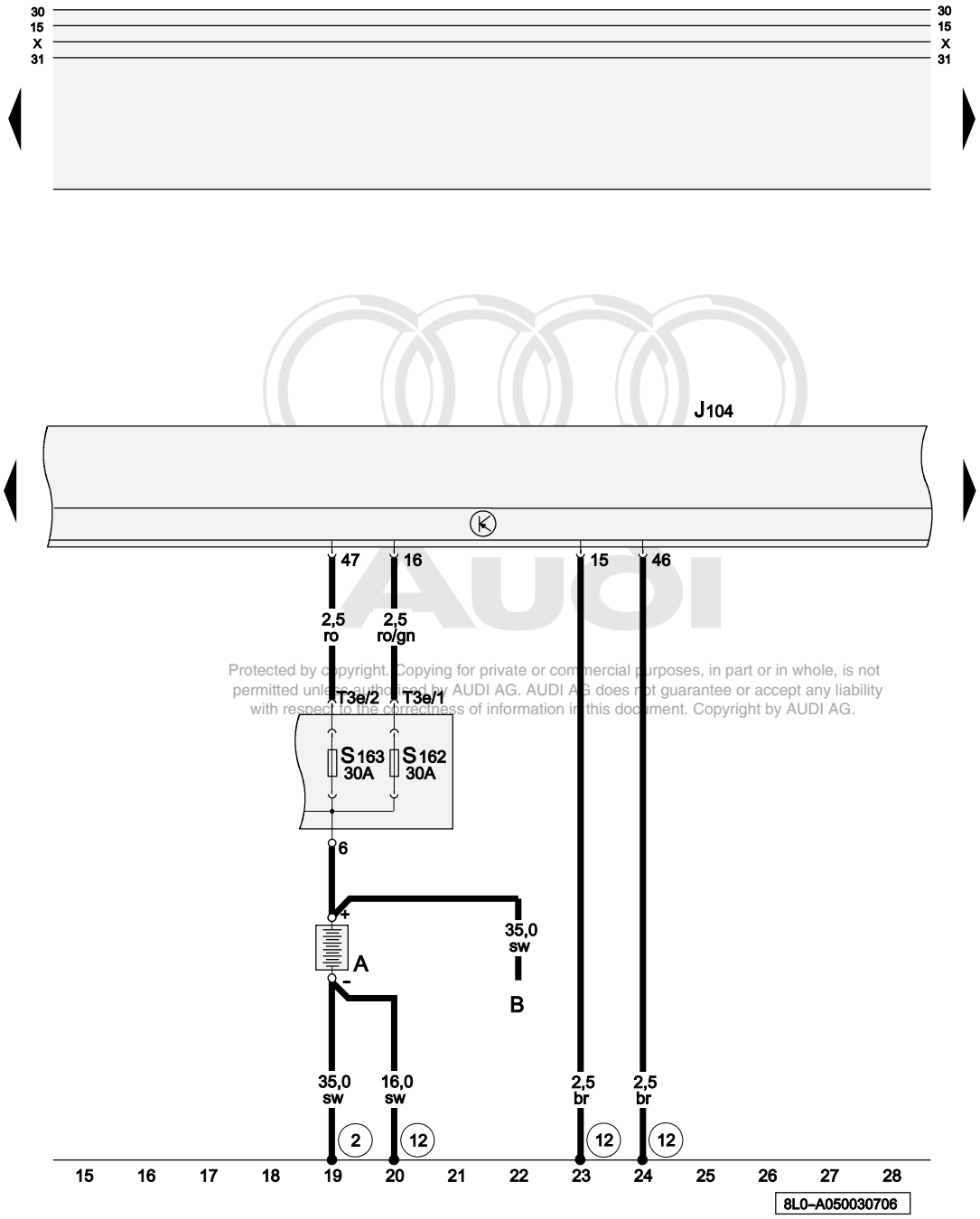


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Fuse in fuse holder, brake light suppression relay

D	Ignition/starter switch
F	Brake light switch
J104	ABS control unit
J508	Brake light suppression relay
M9	Left brake light bulb
M25	High level brake light bulb
S9	Fuse in relay plate fuse holder
S13	Fuse in relay plate fuse holder
S15	Fuse in relay plate fuse holder
A2	Positive connection (15), in dash panel wiring harness
A36	Connection (75a), in dash panel wiring harness
A50	Positive connection (30as), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
B185	Connection 2 (54), in interior wiring harness
*	location, 13-pin relay carrier, under the shelf on the driver's side

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

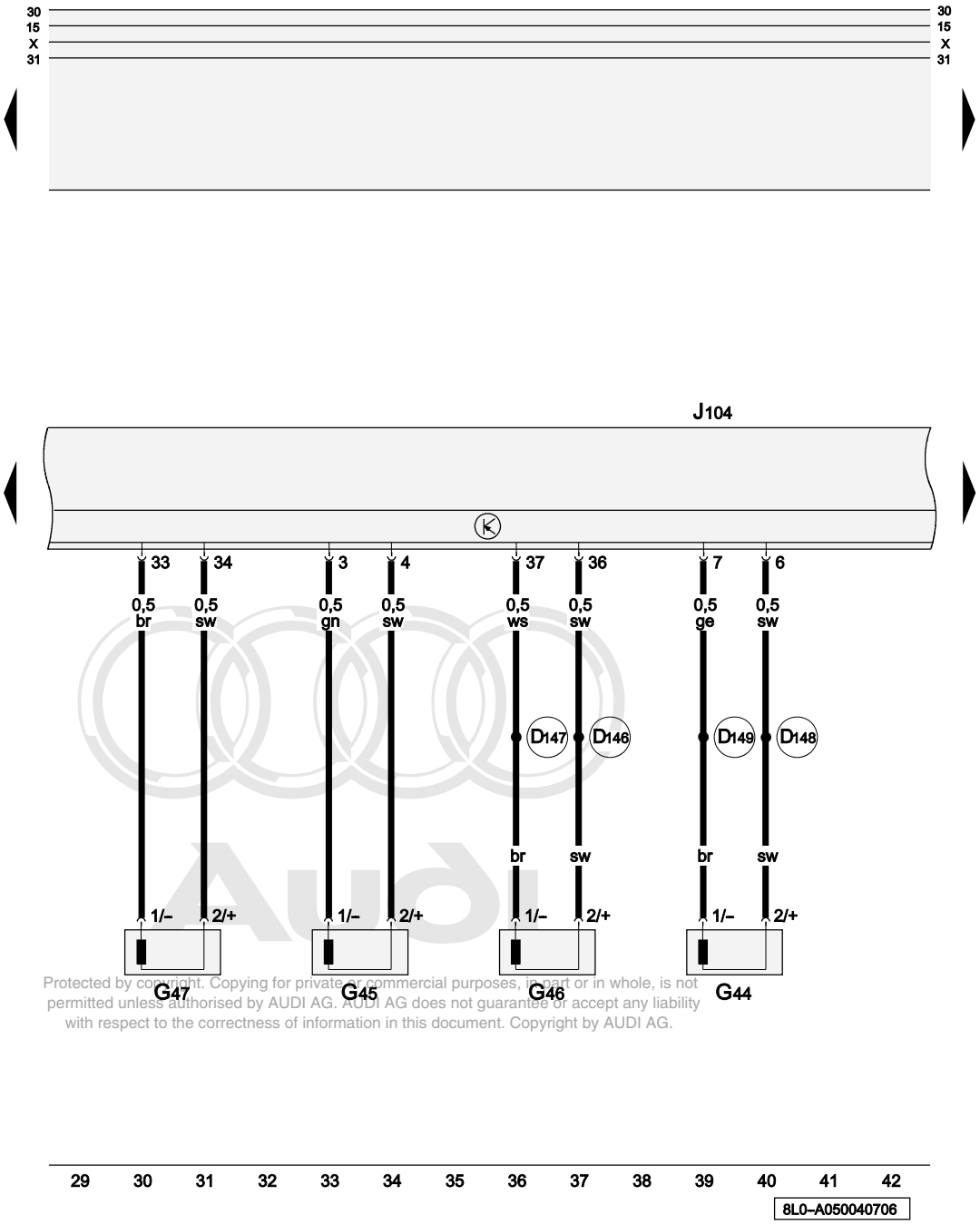


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Battery, voltage supply relay main fuse box

A	Battery
B	Starter
J104	ABS control unit
S162	Fuse 1 (30) in fuse holder on battery
S163	Fuse 2 (30) in fuse holder on battery
T3e	3-pin connector, black, on main fuse box
2	Earth strap, gearbox - body
12	Earth point, on left in engine compartment

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

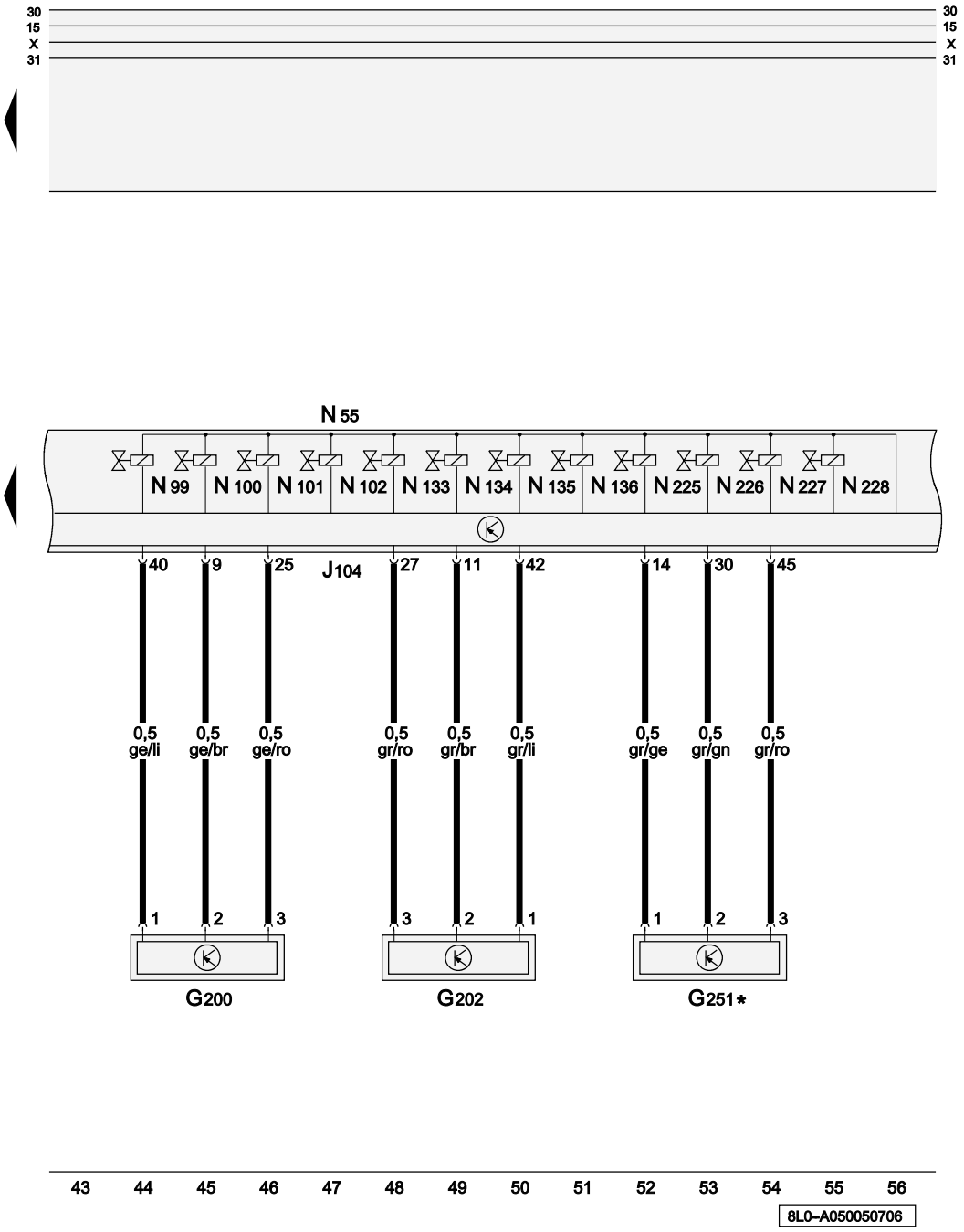


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Speed sensor

G44	Rear right speed sensor
G45	Front right speed sensor
G46	Rear left speed sensor
G47	Front left speed sensor
J104	ABS control unit
D146	Connection (rear left speed sensor +), in engine compartment wiring harness
D147	Connection (rear left speed sensor -), in engine compartment wiring harness
D148	Connection (rear right speed sensor +), in engine compartment wiring harness
D149	Connection (rear right speed sensor -), 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

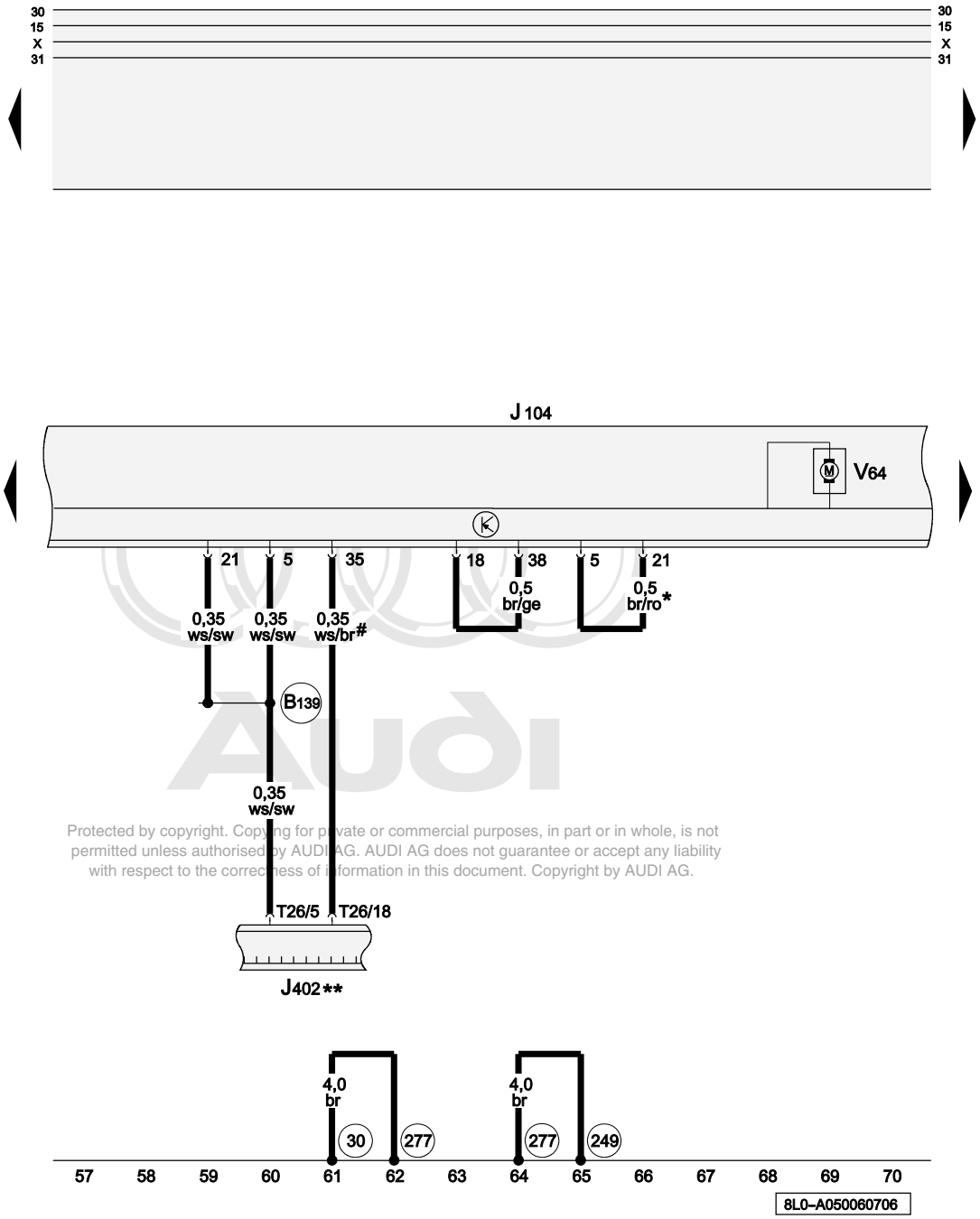


Yaw rate sender, longitudinal acceleration sender, solenoid valve, lateral acceleration sender

G200	Lateral acceleration sender
G202	Yaw rate sender
G251	Longitudinal acceleration sender
J104	ABS control unit
N55	ABS hydraulic unit
N99	Front right ABS inlet valve
N100	Front right ABS outlet valve
N101	Front left ABS inlet valve
N102	Front left ABS outlet valve
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
*	for models with four-wheel drive only

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

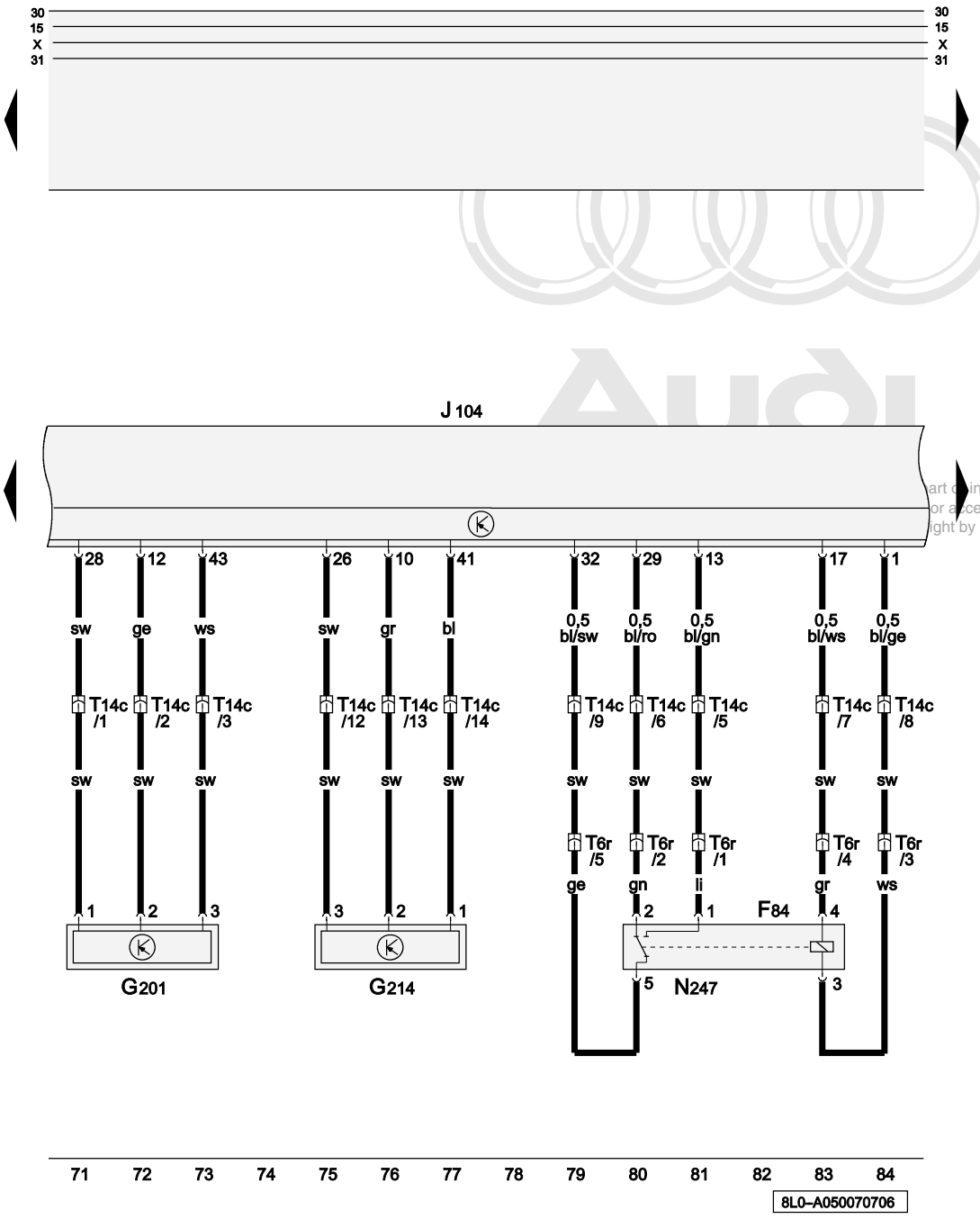


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Coding link, ABS hydraulic pump

J104	ABS control unit
J402	Navigation operating electronics control unit
T26	26-pin connector, black, on navigation system control unit
V64	ABS hydraulic pump
30	Earth point 1, next to relay plate
249	Earth connection 2, in interior wiring harness
277	Earth connection 3, in interior wiring harness
B139	Connection (LPL), in interior wiring harness
*	for models with radio or navigation system NS-low only
**	for models with radio navigation system RNS-D only
#	is dropped, from model year 2003

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

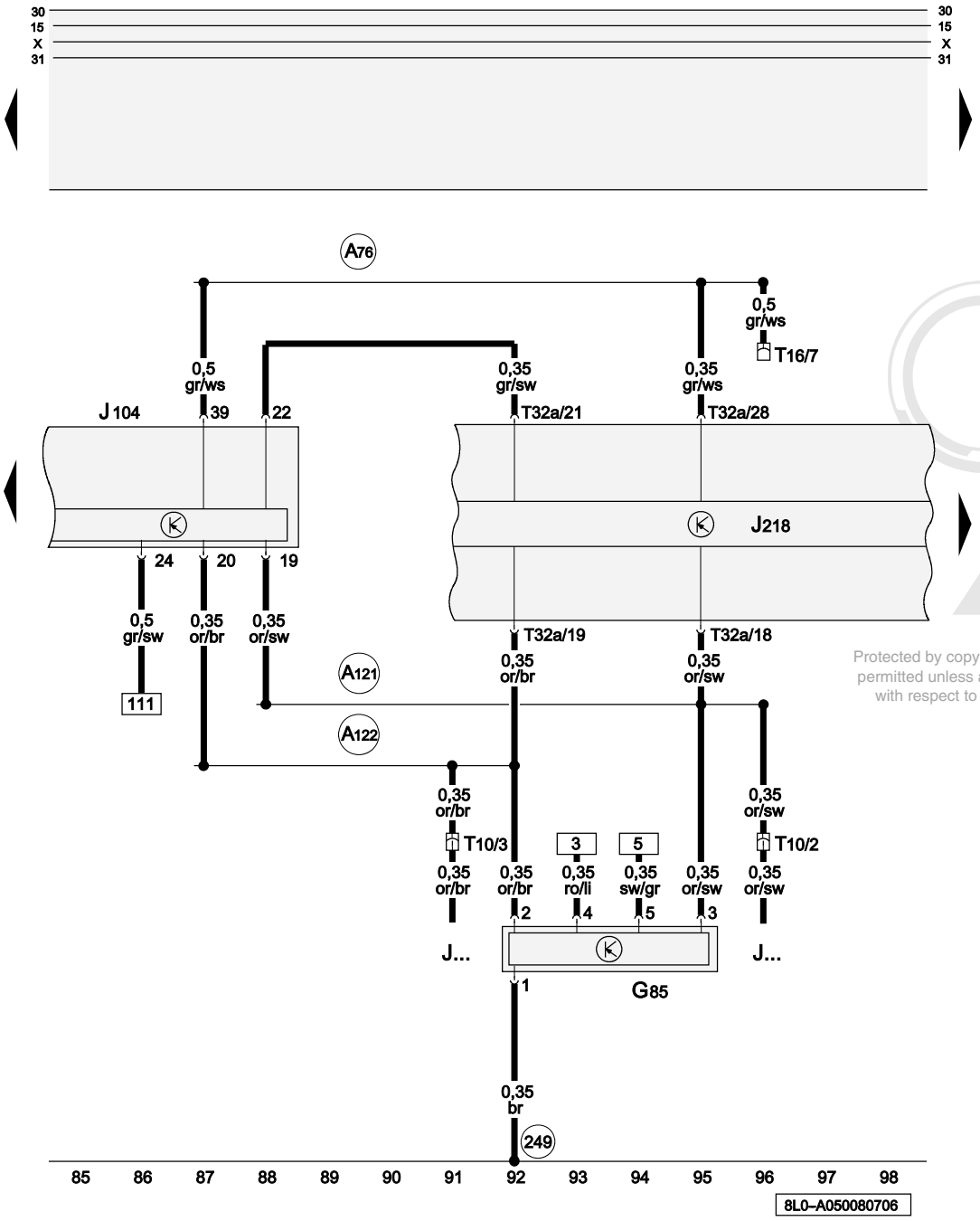


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Brake pressure sender, brake pressure solenoid trip switch

F84	Brake pressure solenoid trip switch
G201	Brake pressure sender 1
G214	Brake pressure sender 2
J104	ABS control unit
N247	Brake pressure solenoid valve
T6r	6-pin connector, black, on brake servo
T14c	14-pin connector, connector prewiring ESP

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

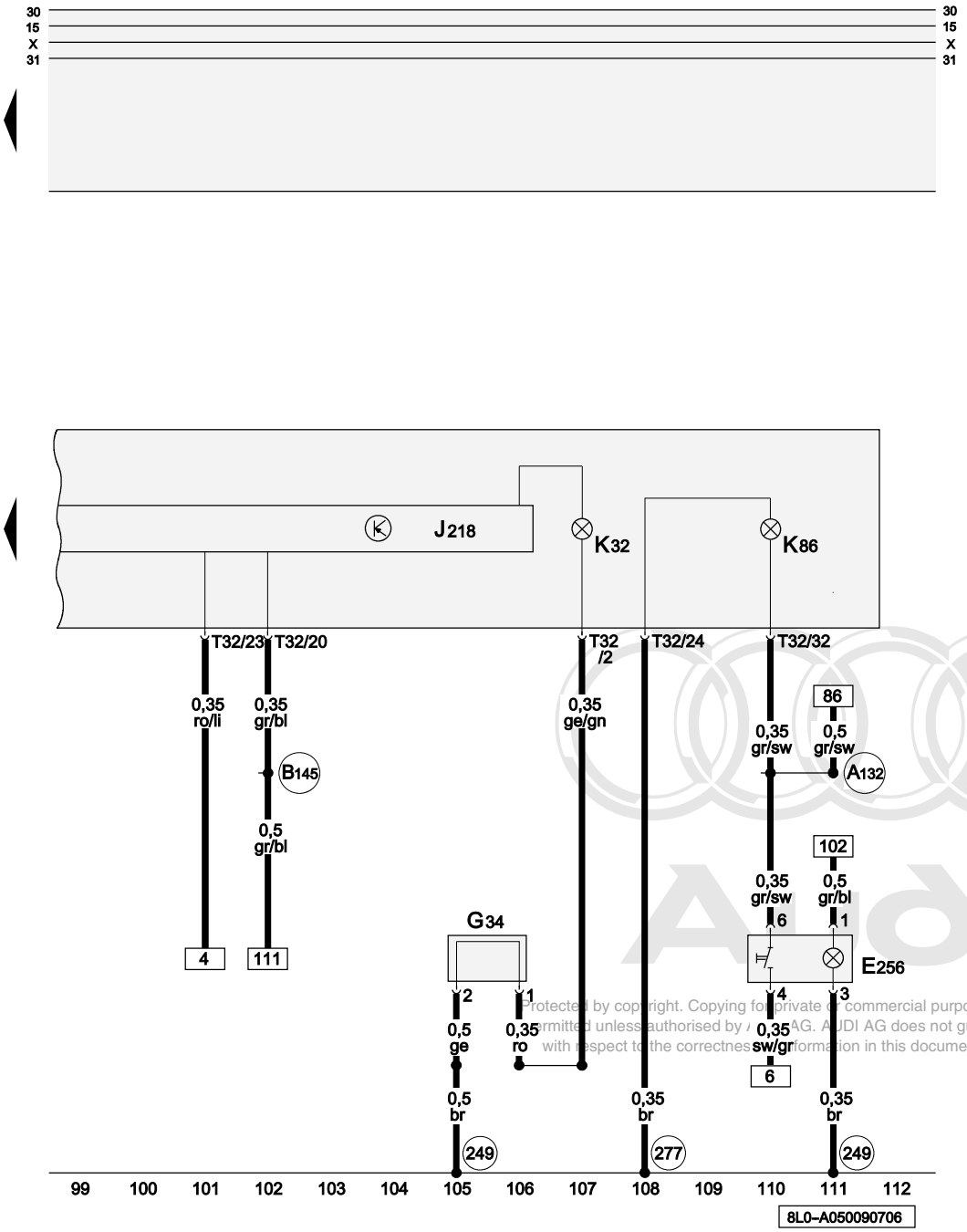


Steering angle sender, diagnosis

G85	Steering angle sender
J104	ABS control unit
J218	Combi-processor in dash panel insert
J...	Engine control units
T10	10-pin connector, white, in plenum chamber
T16	16-pin connector, black, shelf centre console (diagnostic connector)
T32a	32-pin connector, green, on dash panel insert
249	Earth connection 2, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness

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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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Combi-processor in dash panel insert, traction control system warning lamp

E256	TCS and ESP button
G34	Front left brake pad wear sender
J218	Combi-processor in dash panel insert
K32	Brake pad warning lamp
K86	Traction control system warning lamp
T32	32-pin connector, blue, on dash panel insert
249	Earth connection 2, in interior wiring harness
277	Earth connection 3, in interior wiring harness
A132	Connection (TCS/ESP), in dash panel wiring harness
B145	Positive connection (58b), in interior wiring harness

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

1 Relay carrier, fuse carrier and main fuse box, from model year 2001

1.1 Fitting locations overview

1 - Relay carrier (3-pin) / fuse carrier (petrol engine)
- ❑ ⇒ Figure 1 page ⇒ page 2

1 - Relay carrier (3-pin) / fuse carrier (diesel engine)
- ❑ ⇒ Figure 2 page ⇒ page 3

2 - Micro-central electrics
- ❑ ⇒ Figure 3 page ⇒ page 4

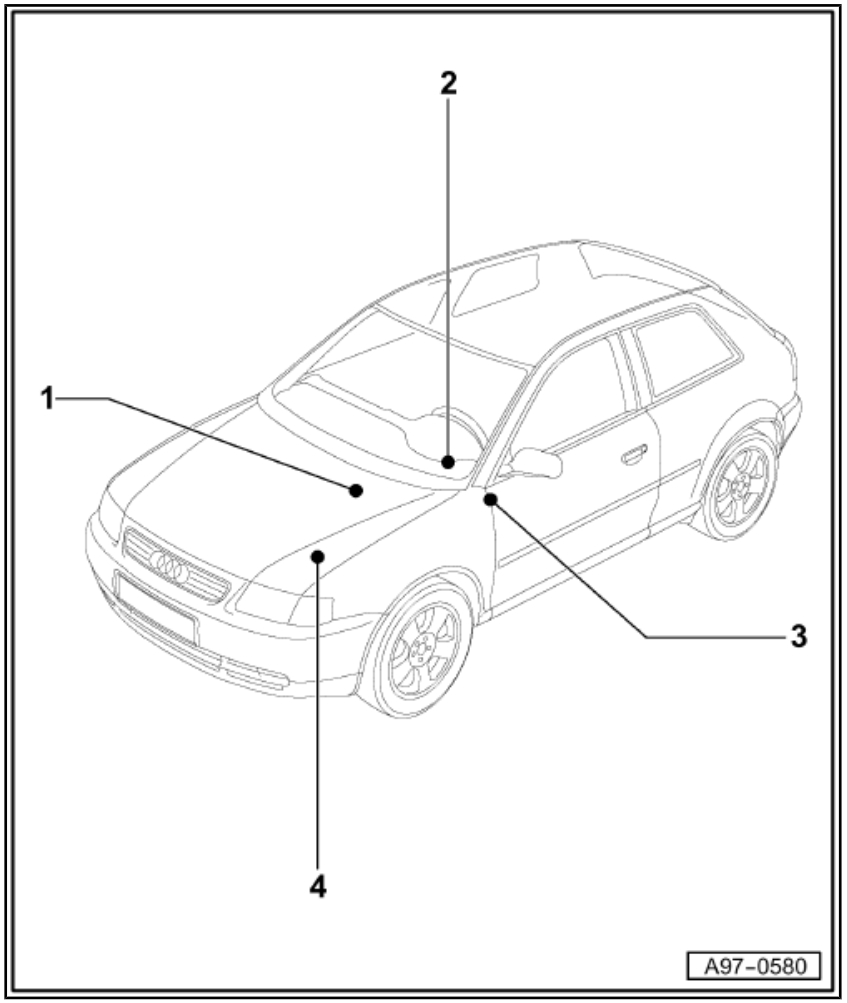
2 - Relay carrier (13-pin)
- ❑ ⇒ Figure 4 page ⇒ page 6

3 - Fuse holder
- ❑ ⇒ Figure 5 page ⇒ page 8

4 - Main fuse box / battery
- ❑ ⇒ Figure 6 page ⇒ page 22

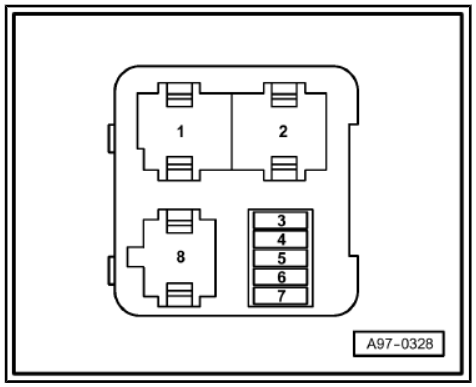
Audi

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1.2 Relay carrier

Abb. 1 - Relay carrier (3-pin) / fuse carrier (petrol engine)



- In front left engine compartment, in W-box, near brake master cylinder

1.2.1 Fuse colours

20 A - yellow

40 A - orange

1.2.2 Position of relays:

Pos. - Socket colour designation

1 - brown J299-Secondary air pump relay

2 - red J271 - Motronic current supply relay

2 - yellow J363 - Current supply relay for Simos control unit

1.2.3 Fuses:

Pos. - Socket colour Designation Fuse rating

3[1]) - black S283 - Brake vacuum pump fuse 20 A

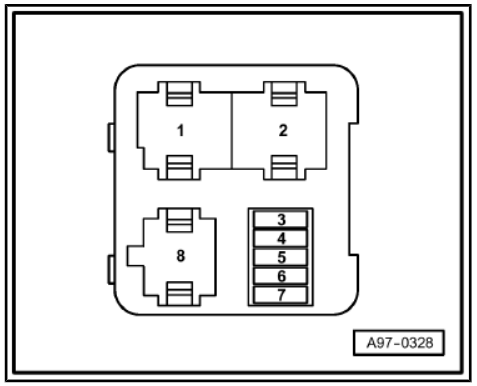
4[2]) - black S310 - Special vehicle fuse 20 40 A

[1]) is dropped from model year 2003

[2]) is dropped from model year 2002

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Abb. 2 - Relay carrier (3-pin) / fuse carrier (diesel engine)



- In front left engine compartment, in W-box, near brake master cylinder

1.2.4 Position of relays:

Pos. - Socket colour designation

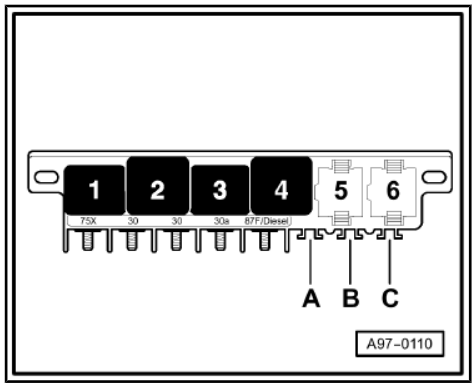
1 - black J360-High heat output relay

2 - yellow J359 - Low heat output relay

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1.3 Relay carrier

Abb.3 - Micro-central electrics



- under the shelf on the driver's side

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1.3.1 Position of relays:

Pos. - Socket colour designation

1 - black J4-Dual tone horn relay

2 - black J59-X-contact relief relay

3 - black, vacant

4 - black J17 - Fuel pump relay[1])

4 - black J52 - Glow plug relay[2])

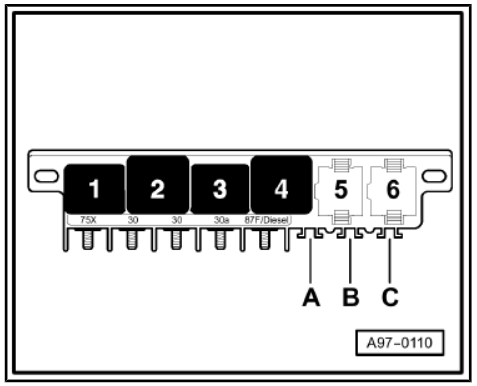
5 - blue J31 - Automatic intermittent wash and wipe relay

6 - blue J31 - Automatic intermittent wash and wipe relay

[1]) for models with petrol engines only

[2]) for models with diesel engines only

Abb. 3 - Micro-central electrics



- under the shelf on the driver's side

1.3.2 Fuse colours

20 A - yellow

30 A - green

1.3.3 Fuses:

Pos. - Socket colour designation

A - red S44 - Driver seat adjustment thermal fuse 1

A - red S45 - Driver seat adjustment thermal fuse 2

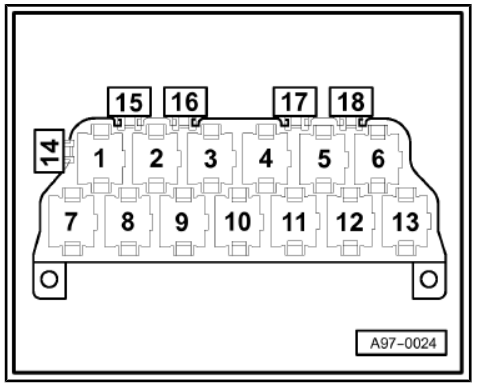
B - blue S283 - Brake vacuum pump fuse[1])

C - black S37 - Window regulator single fuse

[1]) applicable from model year 2003

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Abb.4 - Relay carrier (13-pin)



- above the micro-central electrics, under the shelf on the driver's side

1.3.4 Position of relays:

Pos. - Socket colour designation

1 - Vacant

2 - black J124 - Rear bulb monitoring device

3 - black J124 - Rear bulb monitoring device

4 - grey J552 - Open window regulator relay, front passenger side

5 - red J351 - Folding exterior mirror control unit

6 - red J351 - Folding exterior mirror control unit

7 - black J508 - Brake light suppression relay

8 - grey J9 - Heated rear window relay

9 - light-pink J17 - Fuel pump relay[1])

10 - white J17 - Fuel pump relay[2])

11 - blue J226-Starter inhibitor and reversing light relay

12 - violet J322 - Diesel direct injection system relay

13 - red J397 - Radiator fan run-on relay

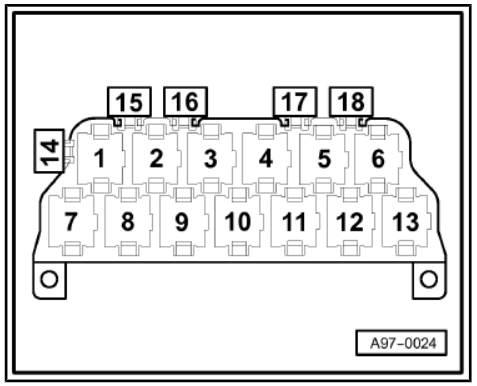
13 - red J155-Coolant pump control unit

[1]) for models with four-wheel only

[2]) for models with front-wheel drive only

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Abb.4 - Relay carrier (13-pin)



- above the micro-central electrics, under the shelf on the driver's side

1.3.5 Fuse colours

30 A - green

1 A - black

1.3.6 Fuses:

Pos. - Socket colour designation

14 - Vacant

15 - Vacant

16 - Vacant

17 - brown S43 - Window regulator thermal fuse

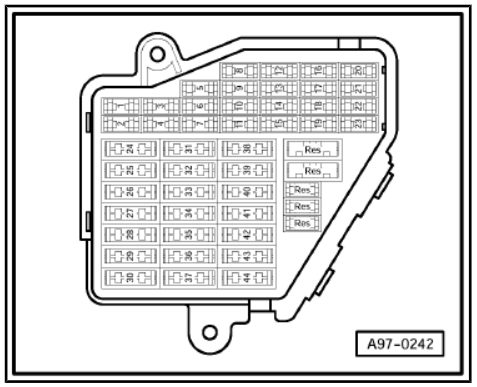
18 - black S326 - Multifunction steering wheel fuse[1])

[1]) applicable from July 2002

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1.4 Fuse holder

Abb. 5 - Fuse holder



- Driver side dash panel

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1.4.1 Fuse colours

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7,5 A - brown

5 A - beige

Note:

From fuse number 23 upwards the fuses in the fuse holder are designated as 223 in the Current Flow Diagram

Nr. - Current Flow Diagram designation nominal value function/component terminal

1 - S1 - Fuse in relay plate fuse holder 10 A - Z20 - Left washer jet heater element 75x

- Z21 - Right washer jet heater element

- Z4 - Driver side heated exterior mirror

- Z5 - Front passenger side heated exterior mirror

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
2	-	S2-Fuse in relay plate fuse holder	10 A	-	M5 - Front left turn signal bulb M7 - Front right turn signal bulb M18 - Left side mounted turn signal bulb M19 - Right side repeater turn signal bulb	75x
3	-	S3-Fuse in relay plate fuse holder	5 A	-	Illuminations: W6 - Glove compartment light E87 - Operating and display unit for Climatronic air conditioning system	58
4	-	S4-Fuse in relay plate fuse holder	5 A	-	X-number plate light	58

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
5	-	S5-Fuse in relay plate fuse holder	7.5 A	-	E87 - Operating and display unit for Climatronic air conditioning system E45 - Cruise control system switch E94 - Heated driver seat regulator E95 - Heated front passenger seat regulator E159 - Fresh air and air recirculation flap switch E221 - Operating unit in steering wheel[1]) F269 - Temperature flap position switch G65 - High pressure sender J293 - Radiator fan control unit J401 - Navigation system with CD drive control unit J402 - Navigation operating electronics control unit J446 - Parking aid control unit J453 - Multifunction steering wheel control unit R - Radio Y7 - Automatic anti-dazzle interior mirror	15

[1]) is dropped from July 2002

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
6	-	S6-Fuse in relay plate fuse holder	5 A	-	E150 - Driver side interior locking switch V94 - Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system	15
7	-	S7-Fuse in relay plate fuse holder	10 A	-	F189 - Tiptronic switch G22 - Speedometer sender G266 - Oil level and oil temperature sender J226 - Starter inhibitor and reversing light relay M16 - Left reversing light bulb M17 - Right reversing light bulb	15
8	-	S8-Fuse in relay plate fuse holder	5 A	-	J526 - Telephone and telematics control unit J412 - Mobile telephone operating electronics control unit R36 - Telephone transmitter and receiver unit	15
9	-	S9-Fuse in relay plate fuse holder	5 A	-	E132 - Traction control system switch G85 - Steering angle sender J104 - ABS control unit	75x

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
10	-	S10-Fuse in relay plate fuse holder	15 A	-	Engine management petrol engine : J220 - Motronic control unit²) J271 - Motronic current supply relay²) J363 - Current supply relay for Simos control unit²)	30
10	-	S10-Fuse in relay plate fuse holder	5 A	-	Engine management diesel engine : J248 - Diesel direct injection system control unit²)	75x
10	-	S10-Fuse in relay plate fuse holder	10 A	-	J285 - Control unit in dash panel insert³) J402 - Navigation operating electronics control unit³) R - Radio³) V94 - Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system³)	86s

²) is dropped from November 2001

³) applicable from November 2001

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
11	-	S11-Fuse in relay plate fuse holder	5 A	-	G266 - Oil level and oil temperature sender J17 - Fuel pump relay J285 - Control unit in dash panel insert K2 - Alternator warning lamp K14 - Handbrake warning lamp K29 - Glow period warning lamp K132 - Electronic power control fault lamp K149 - Engine electronics warning lamp N110 - Selector lever lock solenoid V48 - Left headlight range control motor V49 - Right headlight range control motor	15
12	-	S12-Fuse in relay plate fuse holder	7.5 A	-	J401 - Navigation system with CD drive control unit J412 - Mobile telephone operating electronics control unit J526 - Telephone and telematics control unit R36 - Telephone transmitter and receiver unit R86 - Aerial amplifier for mobile telephone T16 - 16-pin connector, black, shelf centre console (diagnostic connector)	30
13	-	S13-Fuse in relay plate fuse holder	10 A	-	M9 - Left brake light bulb M10 - Right brake light bulb M25 - High-level brake light bulb	30

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
14	-	S14-Fuse in relay plate fuse holder	10 A	-	J452 - Door warning lamps control unit V94 - Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system W - Front interior light W14 - Front passenger side illuminated vanity mirror W20 - Driver side illuminated vanity mirror	30
15	-	S15-Fuse in relay plate fuse holder	5 A	-	E87 - Operating and display unit for Climatronic air conditioning system G85 - Steering angle sender J217 - Automatic gearbox control unit J285 - Control unit in dash panel insert	30
16	-	S16-Fuse in relay plate fuse holder	10 A	-	J293-Radiator fan control unit	30
17	-	S17-Fuse in relay plate fuse holder	7.5 A	-	Z22 - Left lock cylinder heater element Z23 - Right lock cylinder heater element	75x
18	-	S18-Fuse in relay plate fuse holder	10 A	-	L2 - Right headlight twin filament bulb (main beam) K1 - Main beam warning lamp	56a
19	-	S19-Fuse in relay plate fuse holder	10 A	-	L1 - Left headlight twin filament bulb (main beam)	56a

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
20	-	S20-Fuse in relay plate fuse holder	15 A	-	E102 - Headlight range control regulator J124 - Rear bulb monitoring device J344 - Right gas discharge light control unit L2 - Right headlight twin filament bulb (dipped beam) V48 - Left headlight range control motor V49 - Right headlight range control motor	56b
21	-	S21-Fuse in relay plate fuse holder	15 A	-	J124 - Rear bulb monitoring device J343 - Left gas discharge light control unit L1 - Left headlight twin filament bulb (dipped beam)	56b
22	-	S22-Fuse in relay plate fuse holder	5 A	-	J285 - Control unit in dash panel insert M2 - Right tail light bulb M3 - Right side light bulb	58r
23	-	S223-Fuse on fuse holder	5 A	-	J285 - Control unit in dash panel insert M1 - Left side light bulb M4 - Left tail light bulb	58l
24	-	S224-Fuse on fuse holder	20 A	-	J31 - Automatic intermittent wash and wipe relay	75x

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
25	-	S225-Fuse on fuse holder	25 A	-	E87 - Operating and display unit for air conditioning system/Climatronic V2 - Fresh air blower	75x
26	-	S226-Fuse on fuse holder	25 A	-	Z1 -Heated rear window	75x
27	-	S227-Fuse on fuse holder	15 A	-	J30-Rear window wiper and washer relay V12 -Rear window wiper motor	75x
28	-	S228-Fuse on fuse holder	15 A	-	J17-Fuel pump relay	87
28	-	S228-Fuse on fuse holder	20 A	-	J17 - Fuel pump relay [4])	87
29	-	S229-Fuse on fuse holder	15 A	-	Engine management petrol engine : J220 - Motronic control unit J271 - Motronic current supply relay J361 - Simos control unit J363 - Current supply relay for Simos control unit N122 - Output stage	15

[4]) for models with S3 equipment only

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
29	-	S229-Fuse on fuse holder	5 A	-	Engine management diesel engine : J248 - Diesel direct injection system control unit [5])	15
29	-	S229-Fuse on fuse holder	10 A	-	Engine management diesel engine : J248 - Diesel direct injection system control unit [6])	15
30	-	S230-Fuse on fuse holder	20 A	-	J245-Sliding sunroof adjustment control unit	30
31	-	S231-Fuse on fuse holder	20 A	-	J217 - Automatic gearbox control unit J539 - Brake servo control unit	15
31	-	S231-Fuse on fuse holder	5 A	-	J492-Four-wheel drive control unit	87
32	-	S232-Fuse on fuse holder	10 A	-	Engine management petrol engine : N30-Injector, cylinder 1 N31-Injector, cylinder 2 N32-Injector, cylinder 3 N33-Injector, cylinder 4	87
32	-	S232-Fuse on fuse holder	30 A	-	Engine management diesel engine : J248-Diesel direct injection system control unit	87

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[5]) is dropped from model year 2002

[6]) applicable from model year 2002

No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
33	-	S233-Fuse on fuse holder	20 A	-	J31 - Automatic intermittent wash and wipe relay	30
34	-	S234-Fuse on fuse holder	10 A	-	Engine management petrol engine : N75 - Charge pressure control solenoid valve N79 - Heater element for crankcase breather N112 - Secondary air inlet valve N156 - Variable intake manifold change-over valve N249 - Turbocharger air recirculation valve N205 - Inlet camshaft control valve 1	87
34	-	S234-Fuse on fuse holder	10 A	-	Engine management diesel engine : G70 - Air mass meter G80 - Needle lift sender N18 - Exhaust gas recirculation valve N75 - Charge pressure control solenoid valve N239 - Variable intake manifold flap change-over valve	87
35	-	S235-Fuse on fuse holder	30 A	-	U10 -Trailer socket	30
36	-	S236-Fuse on fuse holder	15 A	-	L46 - Rear left fog light bulb L22 - Left fog light bulb L23 - Right fog light bulb	75x

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
37	-	S237 - Fuses on fuse holder	10 A	-	J285 - Control unit in dash panel insert²) J402 - Navigation operating electronics control unit²) R - Radio²) V94 - Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system²)	86s
37	-	S237 - Fuses on fuse holder	20 A	-	Engine management petrol engine : J220 - Motronic control unit³) J271 - Motronic current supply relay³) J363 - Current supply relay for Simos control unit³)	30
37	-	S237 - Fuses on fuse holder	5 A	-	Engine management diesel engine : J248 - Diesel direct injection system control unit³)	75x
38	-	S238-Fuse on fuse holder	10 A	-	E150 - Driver side interior locking switch F248 - Release button for rear lid lock cylinder J347 - Ultrasonic sensor control unit V94 - Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system	30

²) is dropped from November 2001

³) applicable from November 2001

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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
39	-	S239-Fuse on fuse holder	15 A	-	Hazard warning lights system : M5 - Front left turn signal bulb M7 - Front right turn signal bulb M6 - Rear left turn signal bulb M8 - Rear right turn signal bulb M18 - Left side mounted turn signal bulb M19 - Right side mounted turn signal bulb K65 - Left turn signal warning lamp K94 - Right turn signal warning lamp	30
40	-	S240-Fuse on fuse holder	20 A	-	H2 -Treble tone horn H7 -Bass tone horn	30
41	-	S241-Fuse on fuse holder	15 A	-	U1-Cigarette lighter	30
42	-	S242-Fuse on fuse holder	15 A	-	J415 - Navigation system tuner for TV J515 - Aerial selection control unit R - Radio R12 - Amplifier R44 - Amplifier with bass loudspeaker, on left in luggage compartment R94 - Navigation system interface	30

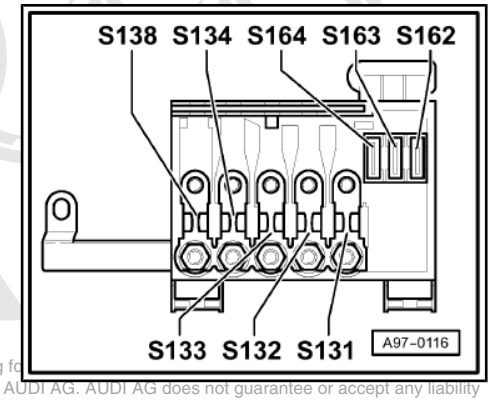
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No.		Current Flow Diagram designation	Nominal value		Function/component	Terminal
43	-	S243-Fuse on fuse holder	10 A	-	Engine management petrol engine : G70 - Air mass meter N80 - Active charcoal filter system solenoid valve 1 Z19 - Lambda probe heater Z29 - Lambda probe 1 heater after catalytic converter	87
43	-	S243-Fuse on fuse holder	10 A	-	Engine management diesel engine : F36 - Clutch pedal switch F47 - Brake pedal switch N79 - Heater element for crankcase breather J359 - Low heat output relay J360 - High heat output relay	87
44	-	S244-Fuse on fuse holder	15 A	-	Z6 - Heated cushion for driver seat Z7 - Heated backrest for driver seat	30

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1.5 Main fuse box

Abb.6 - Main fuse box / battery



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- on battery, in front left engine compartment

1.5.1 Fuse colours

30 A - green

1.5.2 Fuses:

Kurzbezeichnung - Designation Fuse rating

S131 - Fuse 1 50 A

S132 - Fuse 2 50 A

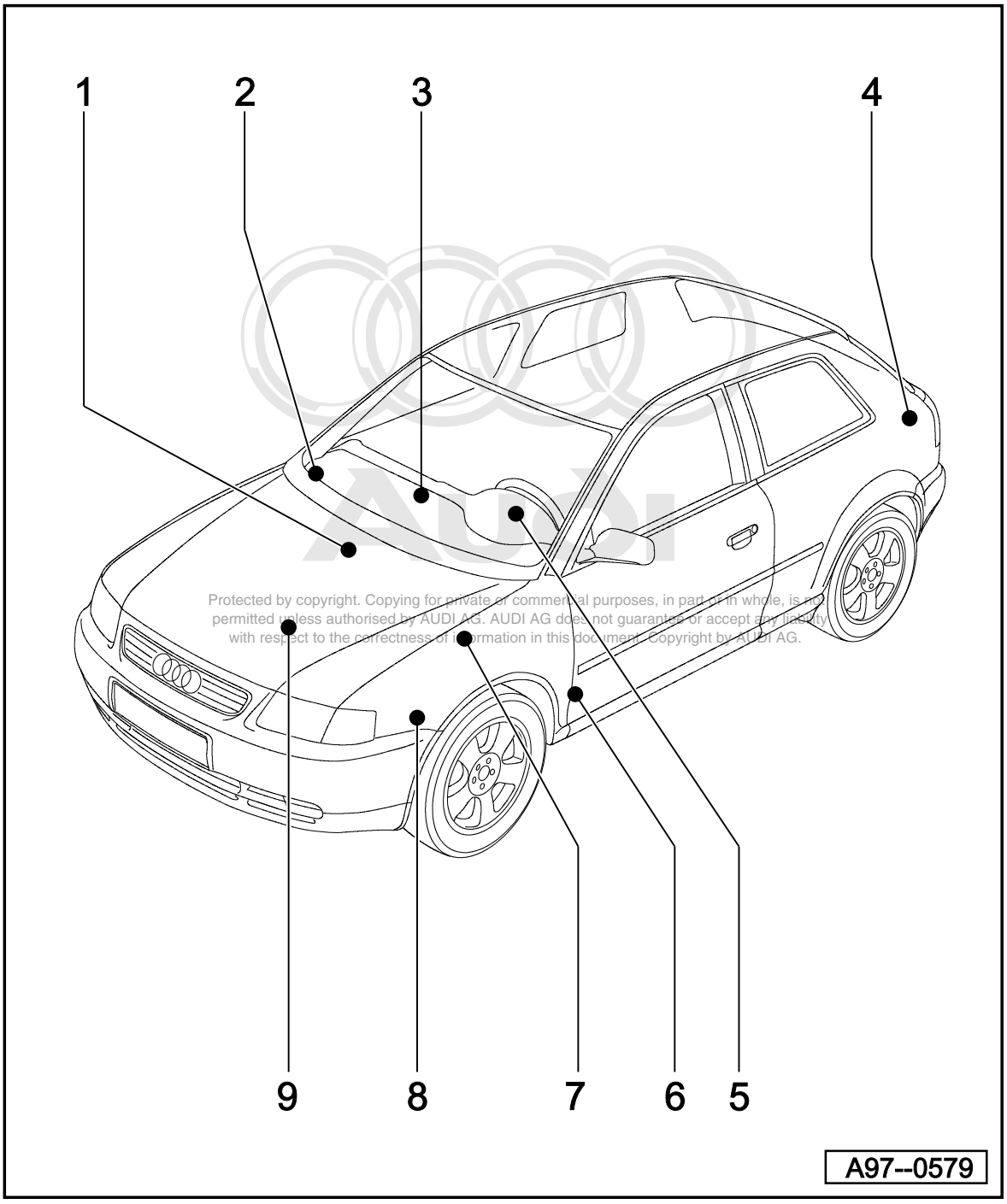
S133 - Fuse 3 30 A

S134 - Fuse 4 110 A

S138 - Fuse 5,150 A

S162 - Fuse 1 (30) in fuse holder on battery 30 A

List of earth points



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1 - Earth point, in plenum chamber - 10

2 - Earth point, lower part of right A pillar - 43

2 - Earth point, airbag control unit - 637*
* - Applicable from model year 2002

3 - Earth point, behind dash panel - centre - 45

4 - Earth point, luggage compartment, left - 50

5 - Earth point, next to steering column - 42

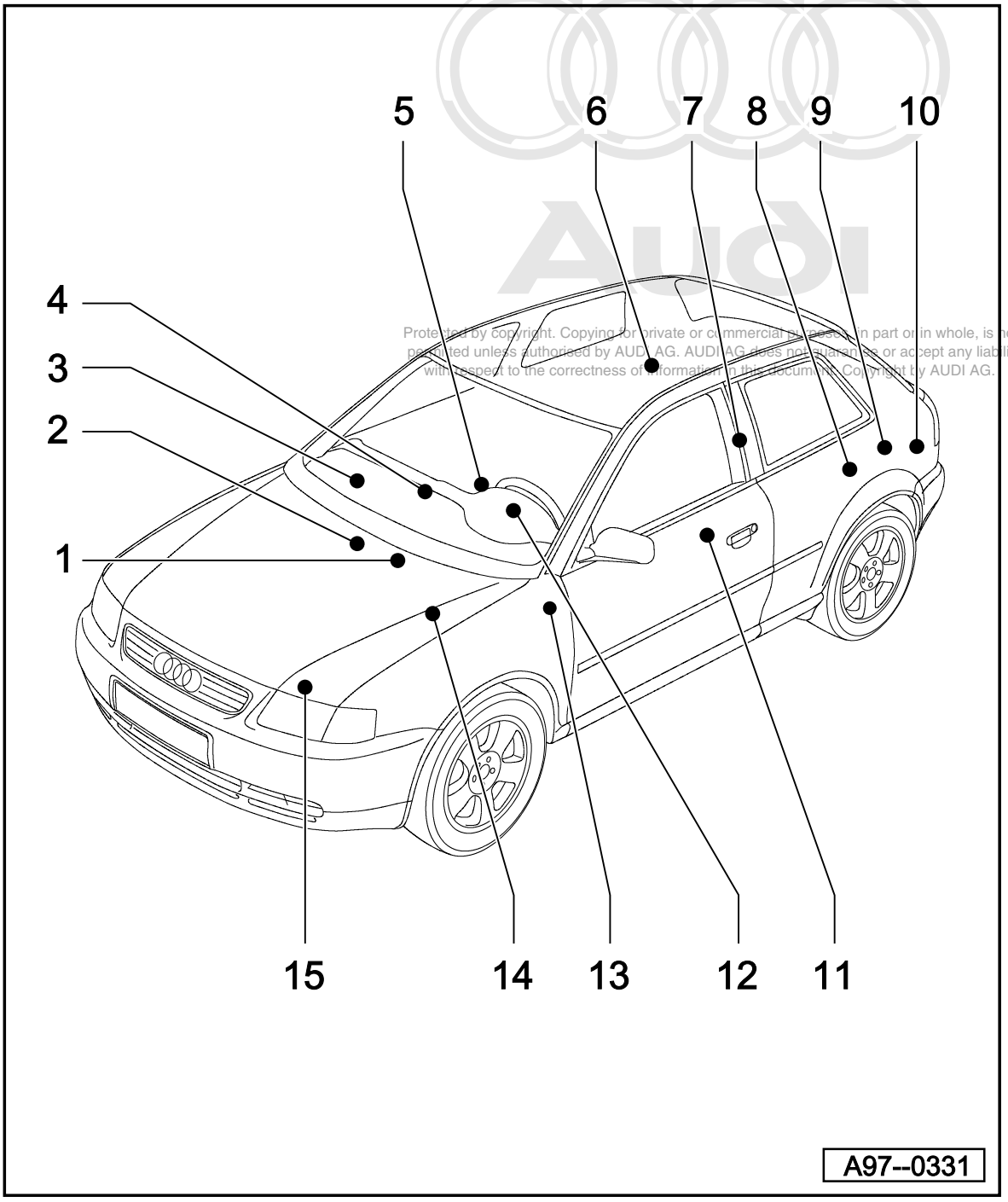
6 - Earth point -1-, next to relay plate - 30

7 - Earth point, in engine compartment, left - 12

8 - Earth point, in battery box - 11

9 - Earth strap, gearbox - body - 2

Fitting locations of individual control units



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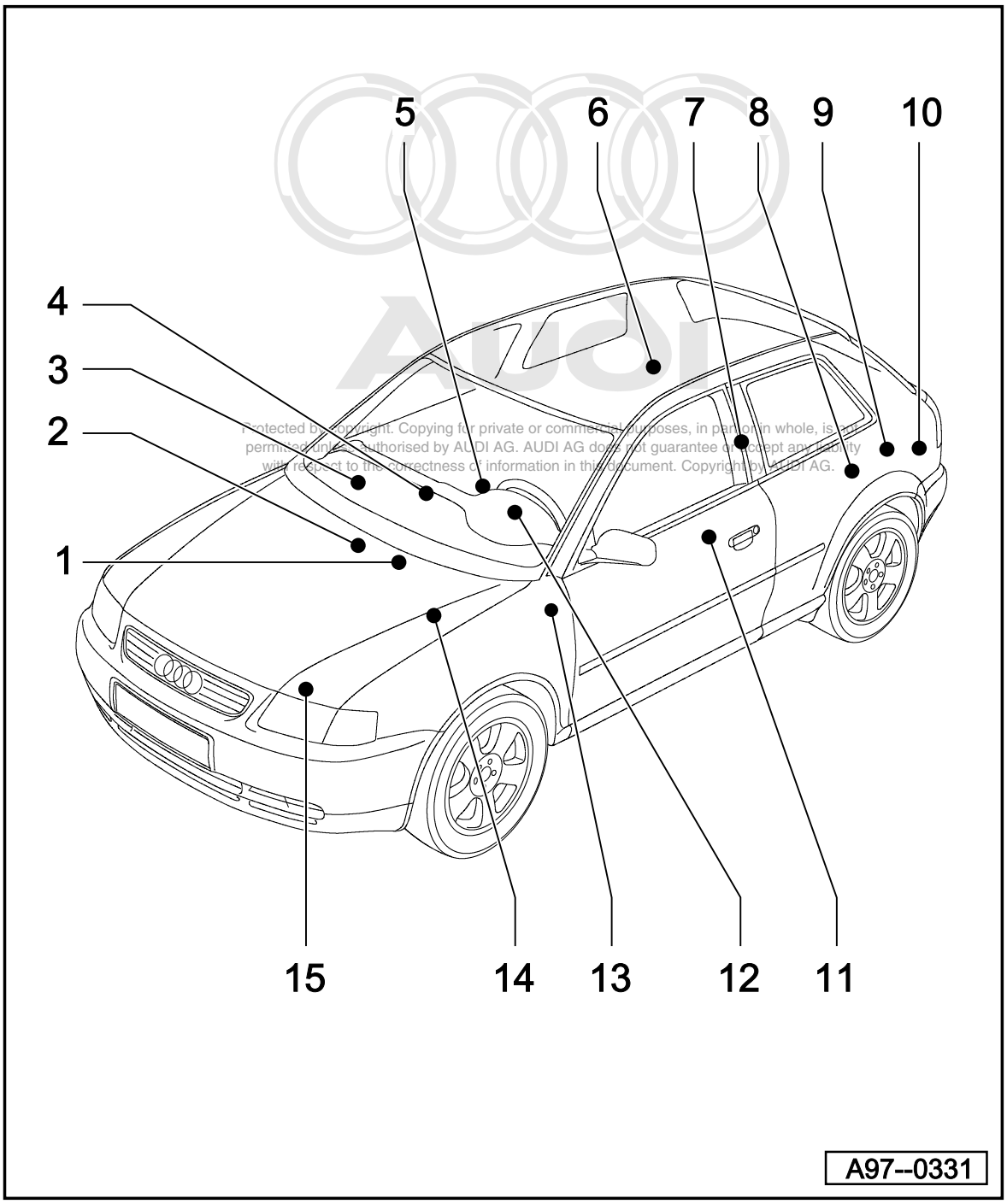
Fitting locations overview

1 - Engine control units - J220, J248, J361
♦ ⇒ Fig. 1, page 3/4

2 - Automatic gearbox control unit - J217
♦ ⇒ Fig. 2, page 3/4

3 - Fresh air blower control unit - J126
♦ ⇒ Fig. 5, page 3/5

4 - Control and display unit for air conditioner/Climatronic - E87
♦ ⇒ Fig. 6, page 3/5



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5 - Airbag control unit - J234
♦ ⇒ Fig. 7, page 3/6

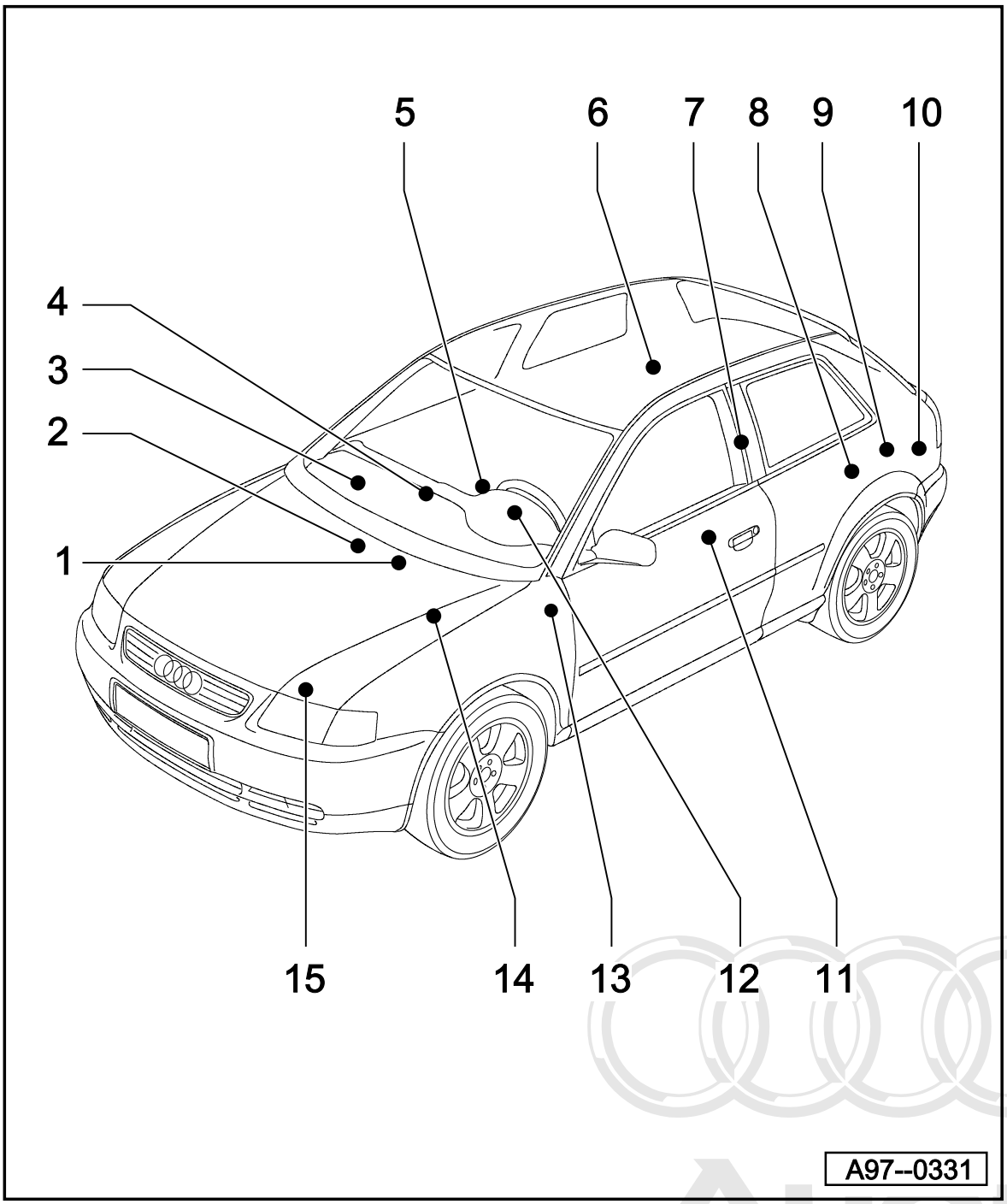
6 - Parking aid control unit - J446
♦ ⇒ Fig. 11, page 3/7

7 - Four-wheel drive control unit - J492
♦ ⇒ Fig. 15, page 3/8

8 - Headlight range control, control unit - J431
♦ ⇒ Fig. 12, page 3/7

9 - Ultra-sonic sensor control unit - J347
♦ ⇒ Fig. 13, page 3/8

10 - Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system - V94
♦ ⇒ Fig. 14, page 3/8



11 - Left heated lock cylinder control unit - J210
♦ ⇒ Fig. 8, page 3/6

12 - Combi-processor in dash panel insert, auto-check system - J189, J218
♦ ⇒ Fig. 9, page 3/6

13 - Multi-function steering wheel control unit - J453
♦ ⇒ Fig. 10, page 3/7

14 - ABS with EDL control unit - J104
♦ ⇒ Fig. 3, page 3/4

15 - Radiator fan control unit - J293
♦ ⇒ Fig. 4, page 3/5

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Engine compartment

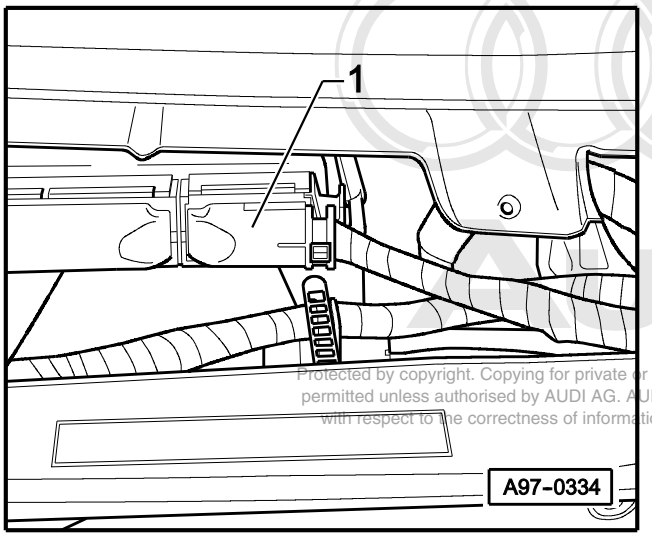


Fig. 1 Engine control units

Motronic control unit - J220

Diesel direct injection system control unit - J248

Simos control unit - J361

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♦ In plenum chamber (item 1)

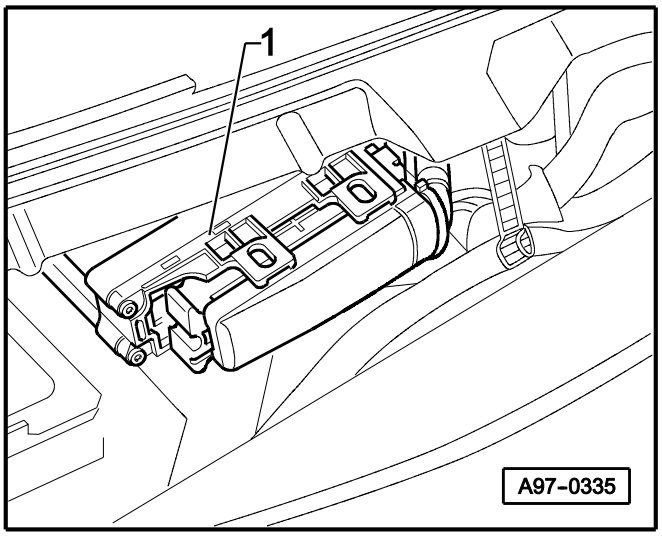


Fig. 2 Automatic gearbox control unit - J217

♦ In plenum chamber (item 1)

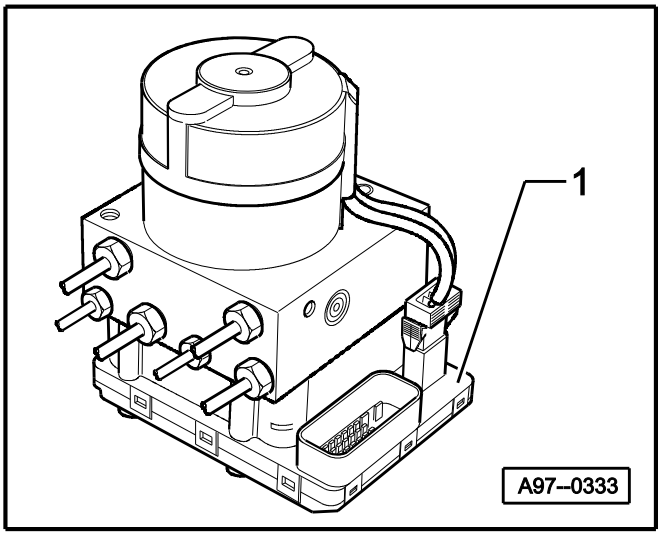


Fig. 3 ABS with EDL control unit - J104

♦ In engine compartment, left, above longitudinal member (item 1)

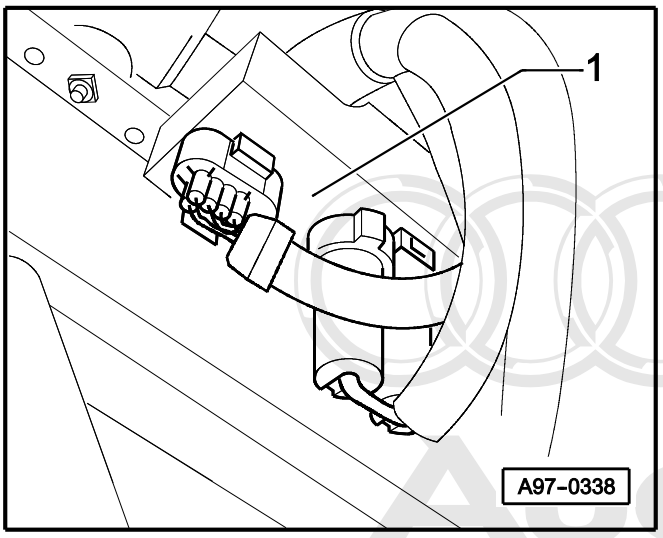


Fig. 4 Radiator fan control unit - J293

♦ In engine compartment, left, behind headlight (item 1)

Passenger compartment

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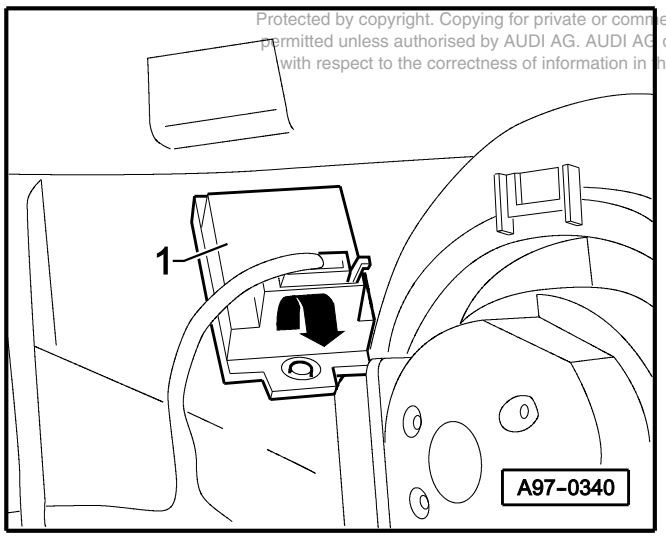


Fig. 5 Fresh air blower control unit - J126

♦ Behind glove box (item 1)

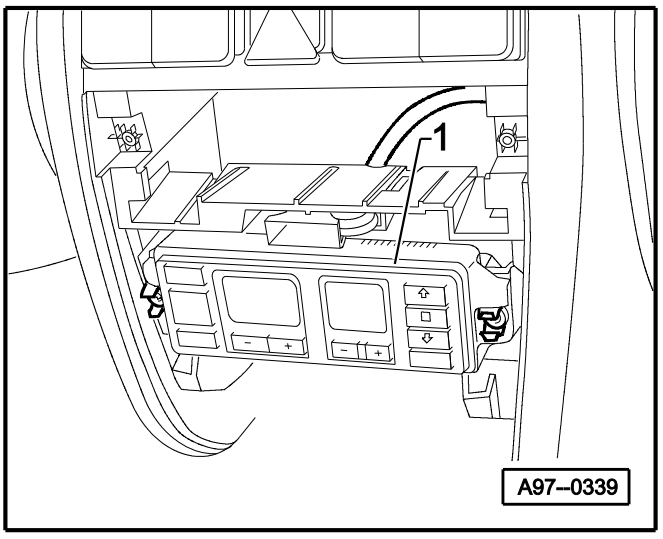


Fig. 6 Control and display unit for air conditioner/Climatronic - E87

♦ In centre console (item 1)

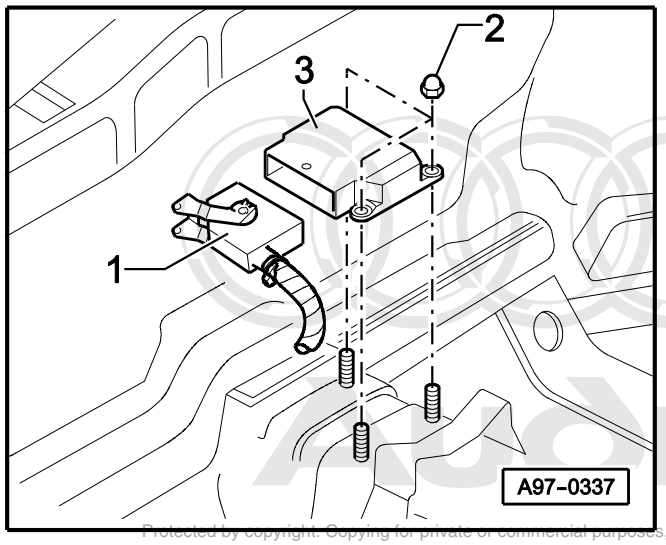


Fig. 7 Airbag control unit - J234

♦ Below centre console on transmission tunnel (item 3)

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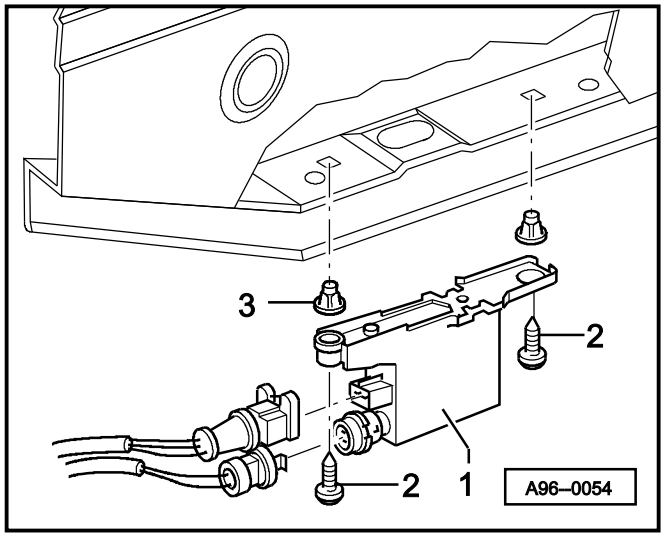


Fig. 8 Left heated lock cylinder control unit - J210

♦ At upper door cross member, in driver's door (item 1)

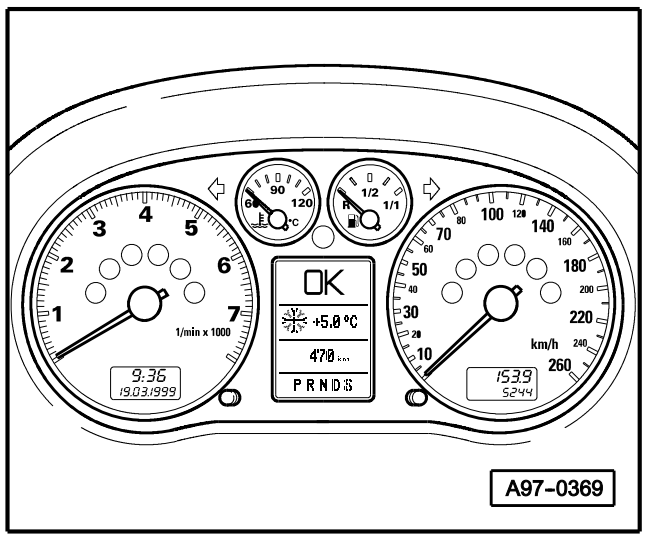


Fig. 9 Combi-processor in dash panel insert, auto-check system - J189, J218

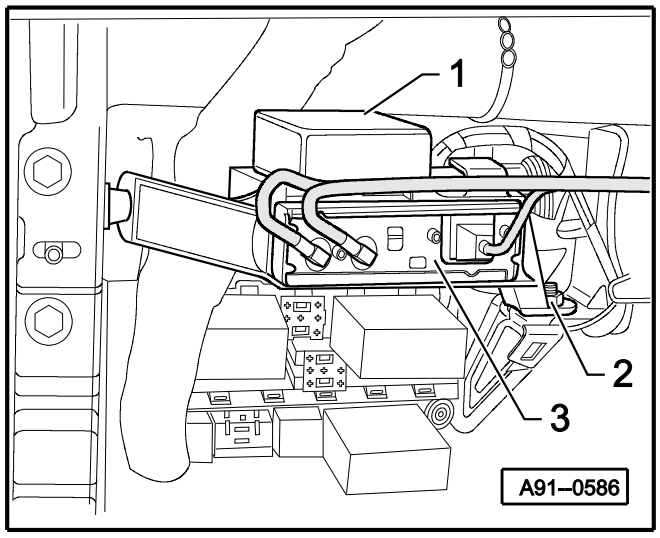


Fig. 10 Multi-function steering wheel control unit - J453

- Above relay carrier (13-point), on retainer for navigation interface - R94 (item 1)

Luggage compartment

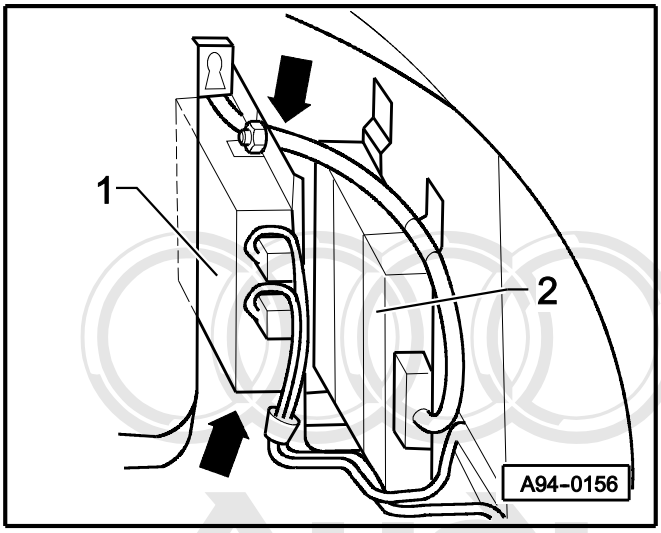


Fig. 11 Parking aid control unit - J446

- Behind luggage compartment side trim, right (item 1)

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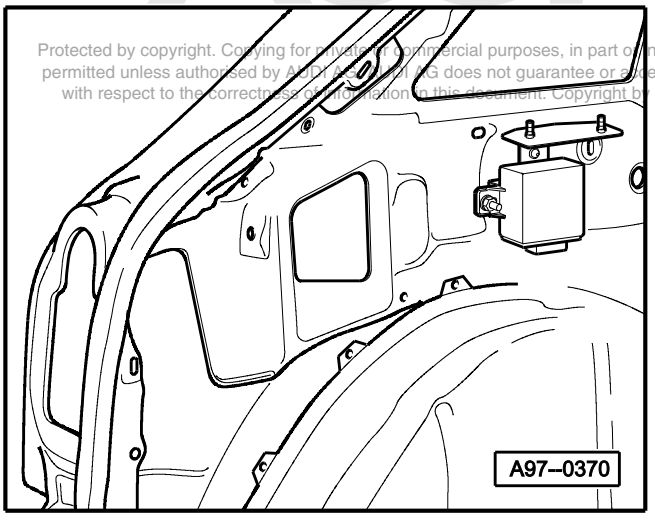


Fig. 12 Headlight range control, control unit - J431

- Above left wheel housing, behind luggage compartment trim

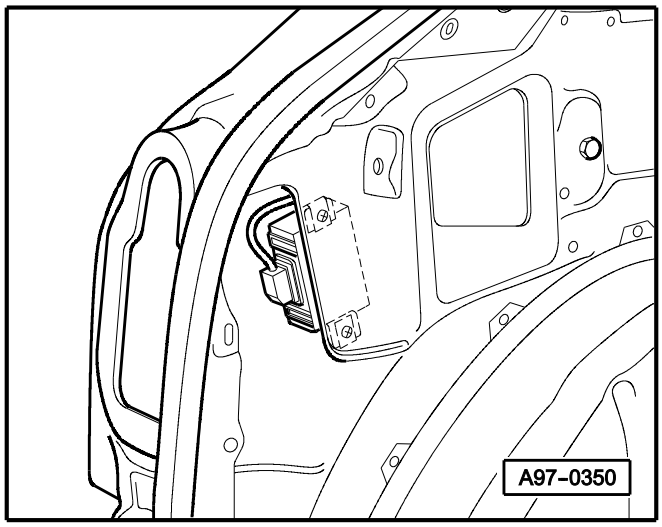


Fig. 13 Ultra-sonic sensor control unit - J347

♦ Above left wheel housing, behind luggage compartment trim

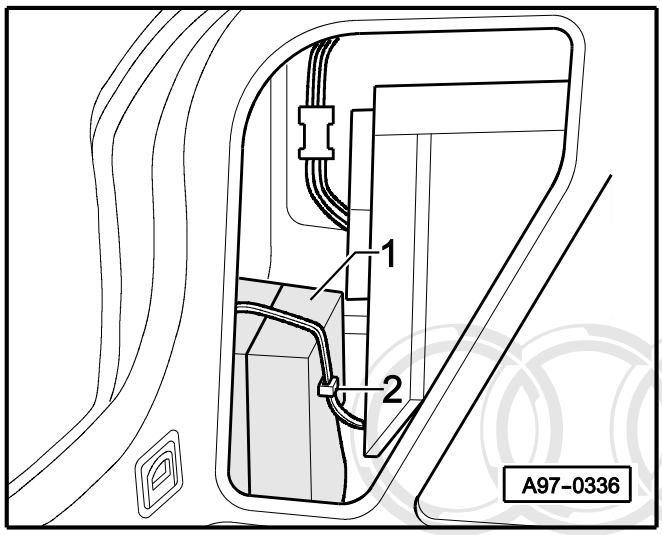


Fig. 14 Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system - V94

♦ Behind left luggage compartment trim (item 1)

Near rear final drive

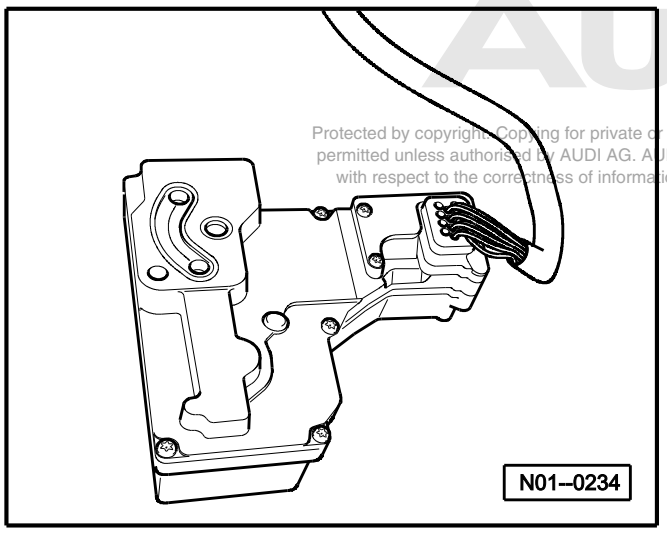
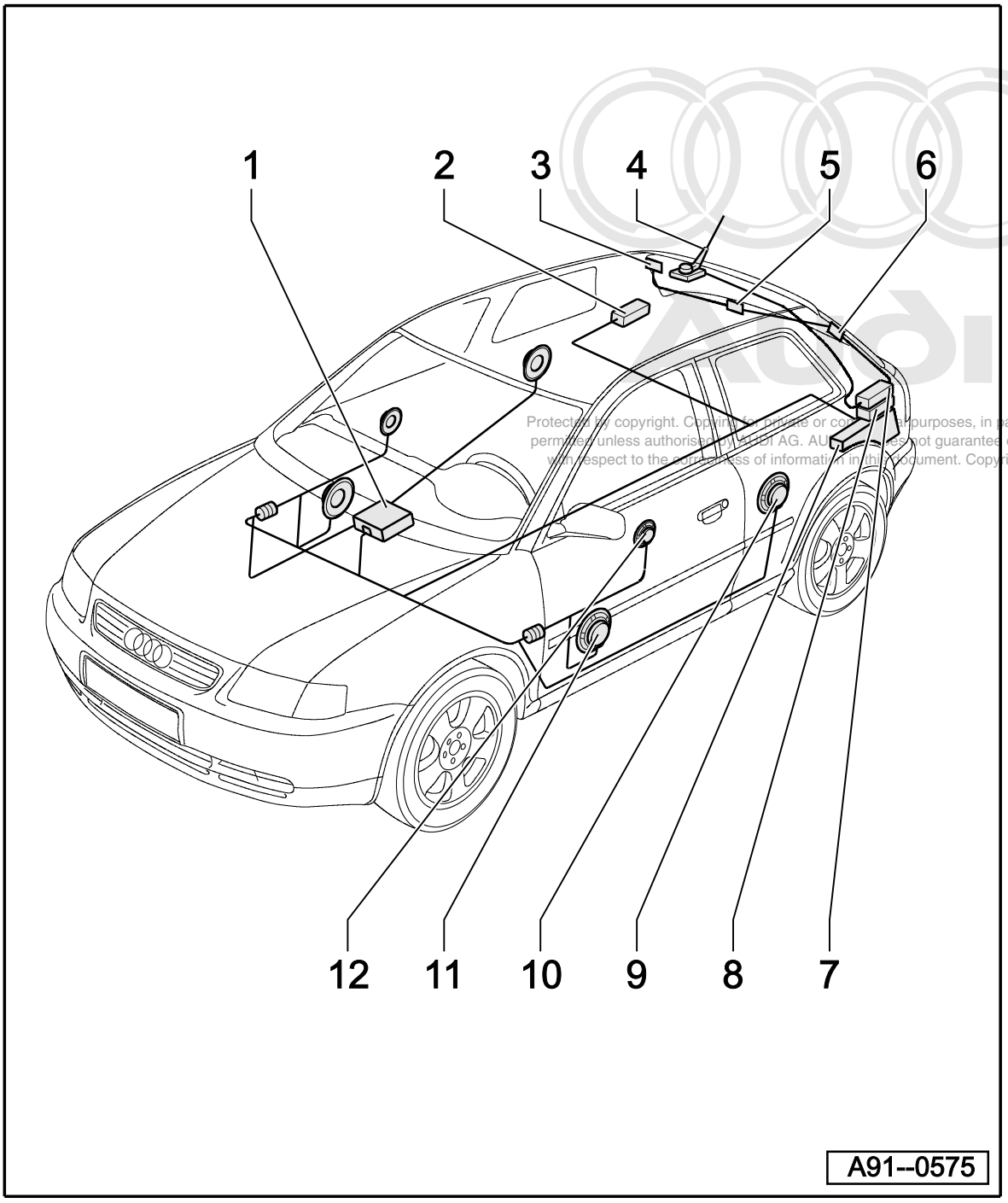


Fig. 15 Four-wheel drive control unit - J492

♦ At Haldex coupling, near rear final drive

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Radio sound system



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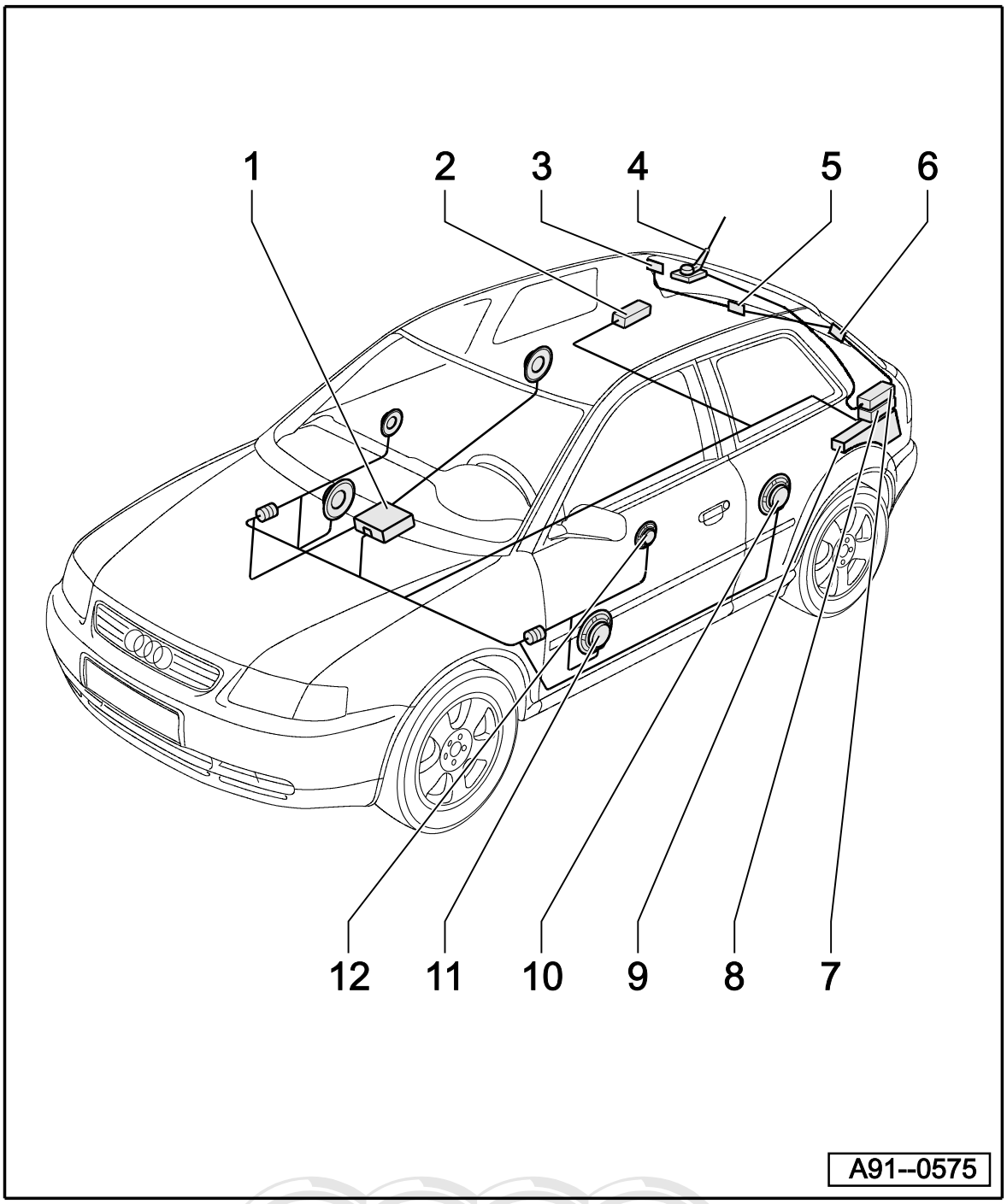
Fitting locations overview

1 - Radio - R
♦ ⇒ Fig. 1, page 4/4

2 - BOSE power amplifier - R12
♦ ⇒ Fig. 3, page 4/4

3 - Aerial amplifier - R24, aerial amplifier 1, TV - R82
♦ ⇒ Fig. 4, page 4/5

4 - Roof aerial - R11
♦ ⇒ Fig. 2, page 4/4



5 - Aerial amplifier -3- - R112, aerial amplifier 3, TV - R84
♦ ⇒ Fig. 5, page 4/5

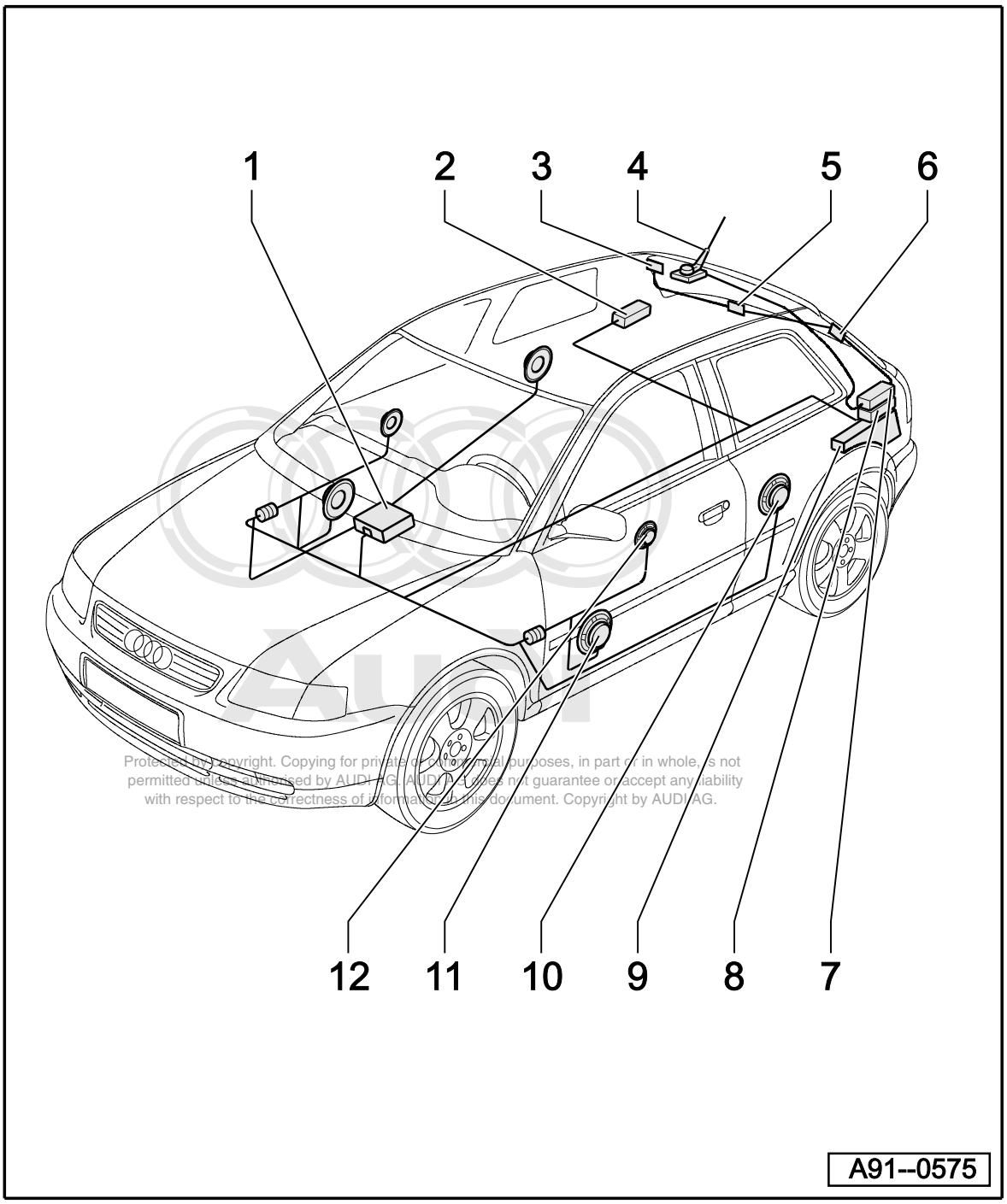
6 - Aerial amplifier -2- - R111, aerial amplifier 2, TV - R83
♦ ⇒ Fig. 6, page 4/5

7 - CD changer - R41
♦ ⇒ Fig. 7, page 4/6

8 - Aerial selection control unit - J515
♦ ⇒ Fig. 8, page 4/6

9 - Amplifier with bass loudspeaker - R44
♦ ⇒ Fig. 9, page 4/6

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10 - Middle-treble tone loudspeaker, rear - R34, R35
♦ ⇒ Fig. 10, page 4/7

10 - Bass loudspeaker, rear - R15, R17
♦ ⇒ Fig. 11, page 4/7

11 - Bass loudspeaker - R21, R23
♦ ⇒ Fig. 12, page 4/7

12 - Middle-high tone loudspeaker - R26, R27
♦ ⇒ Fig. 13, page 4/8

Passenger compartment

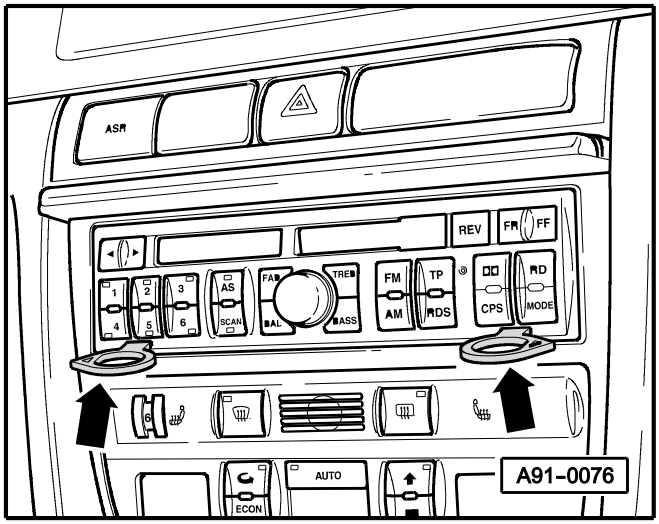


Fig. 1 Radio - R

♦ In centre console

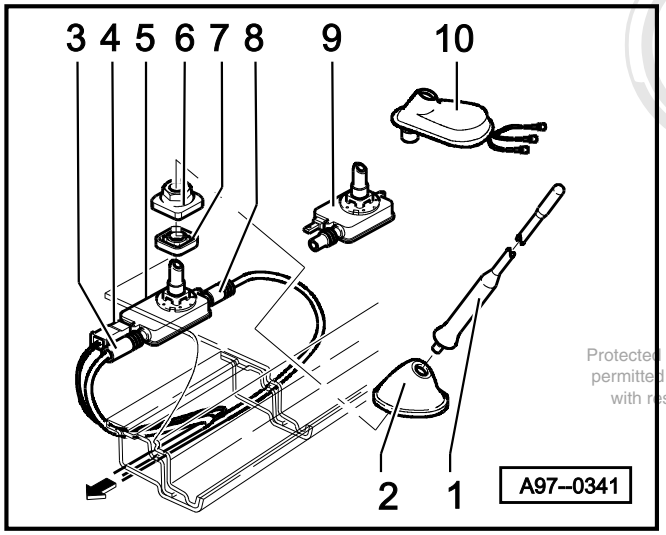


Fig. 2 Roof aerial - R11

♦ On vehicle roof

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Luggage compartment

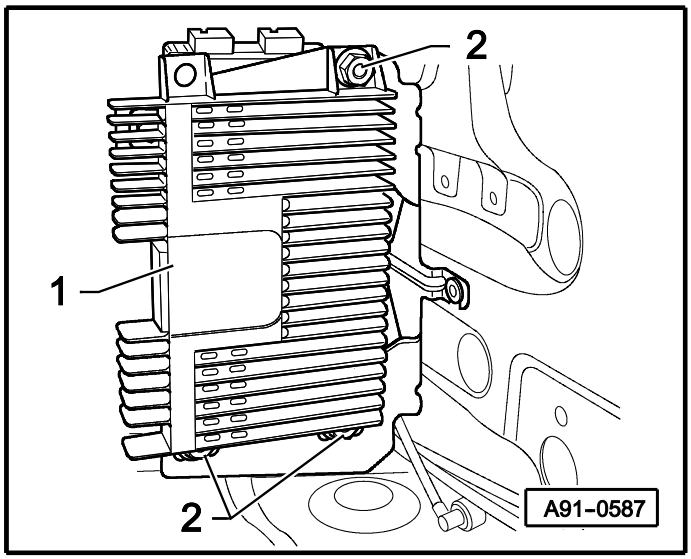


Fig. 3 BOSE power amplifier - R12

♦ In luggage compartment, rear right, under side trim (item 1)

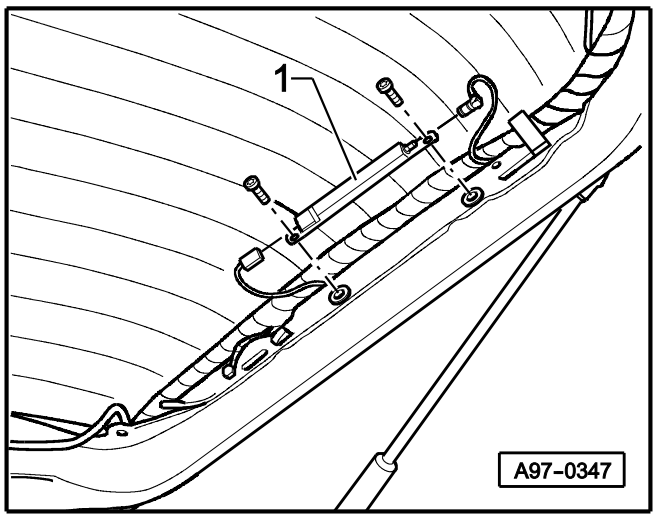


Fig. 4 Aerial amplifier - R24, aerial amplifier 1, TV - R82

♦ Under tailgate trim on right-hand side, top (item 1)

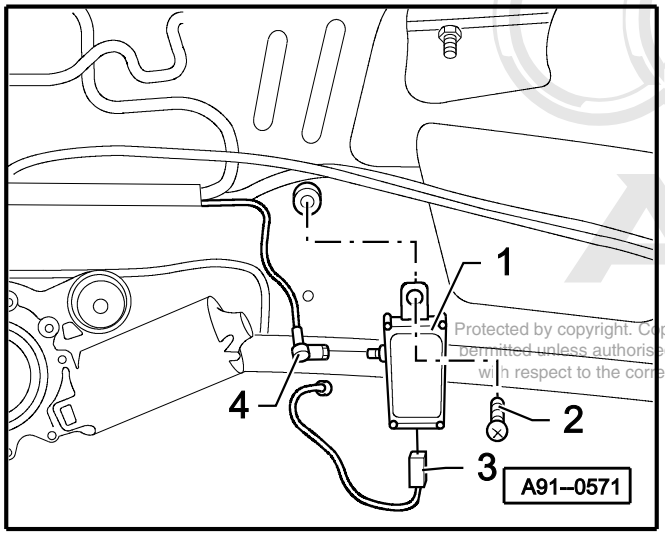


Fig. 5 Aerial amplifier -3- - R112, aerial amplifier 3, TV - R84

♦ Under tailgate trim on right-hand side, bottom (item 1)

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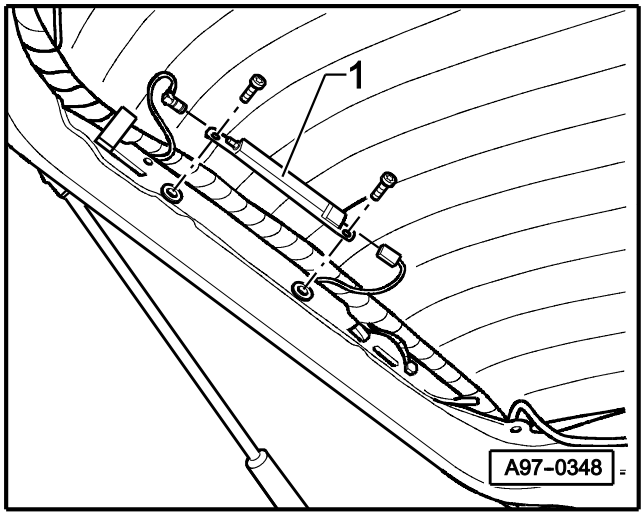
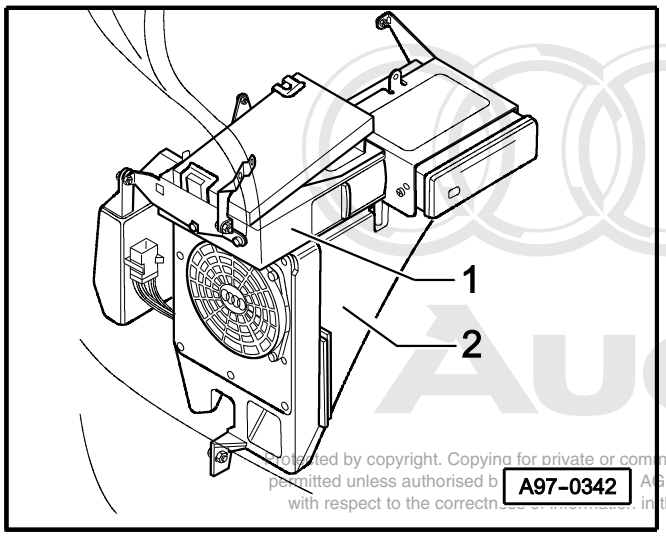


Fig. 6 Aerial amplifier -2- - R111, aerial amplifier 2, TV - R83

♦ Under tailgate trim on left-hand side, top (item 1)



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Fig. 7 CD changer - R41

♦ In luggage compartment, rear left, under side trim (item 1)

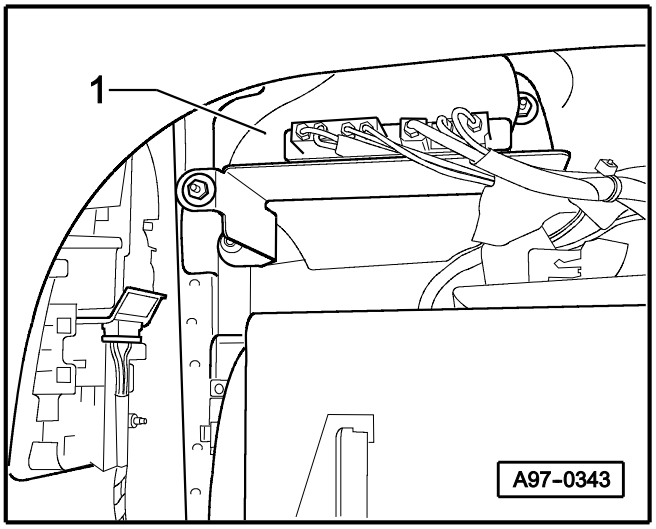


Fig. 8 Aerial selection control unit - J515

♦ In luggage compartment, rear left, under side trim (item 1)

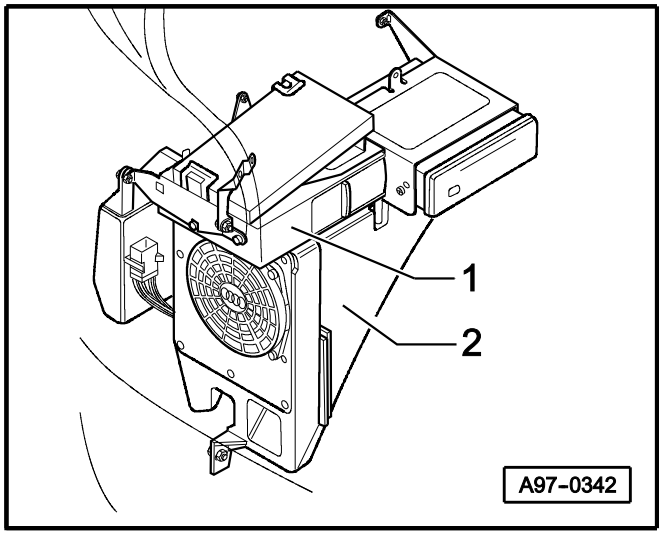


Fig. 9 Amplifier with bass loudspeaker - R44

♦ In luggage compartment, rear left, under side trim (item 2)

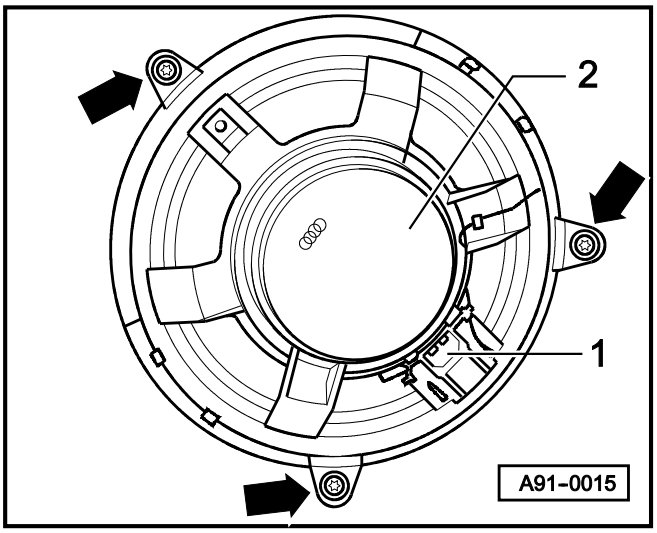


Fig. 10 Middle-treble tone loudspeaker, rear

Middle-treble tone loudspeaker, rear left - R34

♦ Behind side trim, rear left

Middle-treble tone loudspeaker, rear right - R35

♦ Behind side trim, rear right

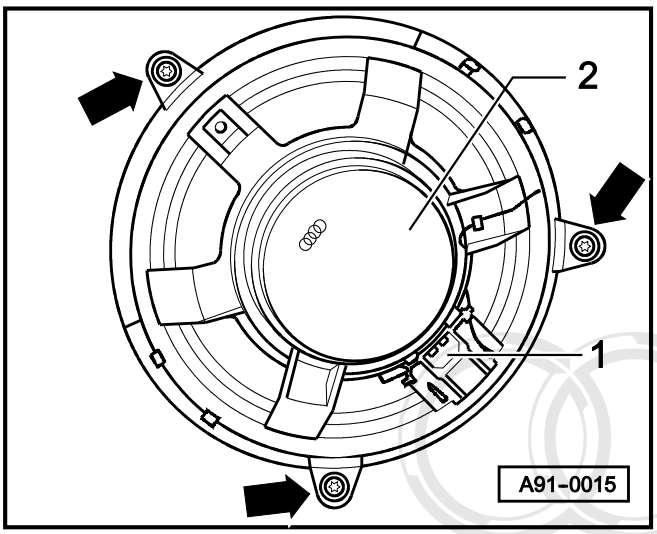


Fig. 11 Bass loudspeaker, rear

Bass loudspeaker, rear left - R15

♦ Behind side trim, rear left

Bass loudspeaker, rear right - R17

♦ Behind side trim, rear right

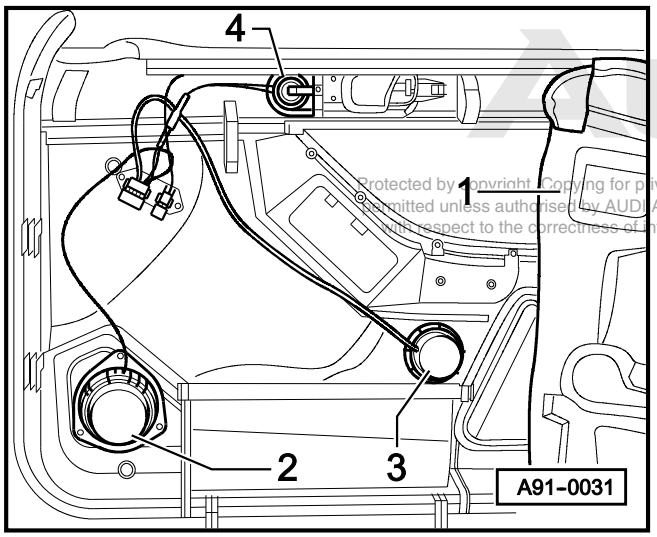


Fig. 12 Bass loudspeaker

Bass loudspeaker, front left - R21

♦ Behind front left door trim, bottom (item 2)

Bass loudspeaker, front right - R23

♦ Behind front right door trim, bottom (item 2)

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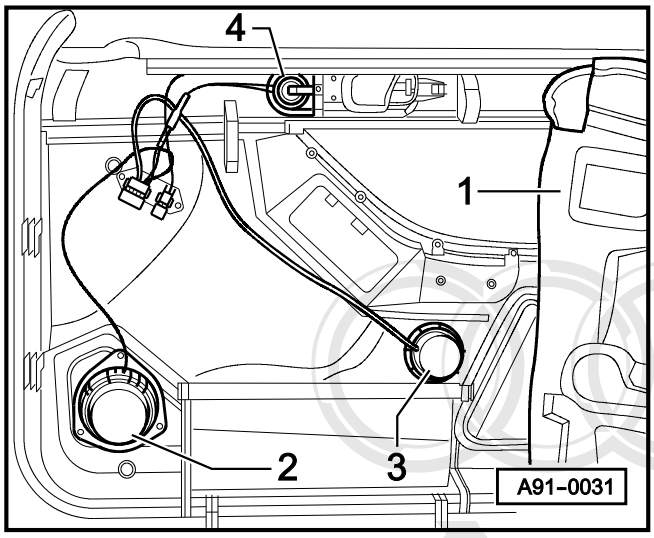


Fig. 13 Middle-high tone loudspeaker

Middle-high tone loudspeaker, front left - R26

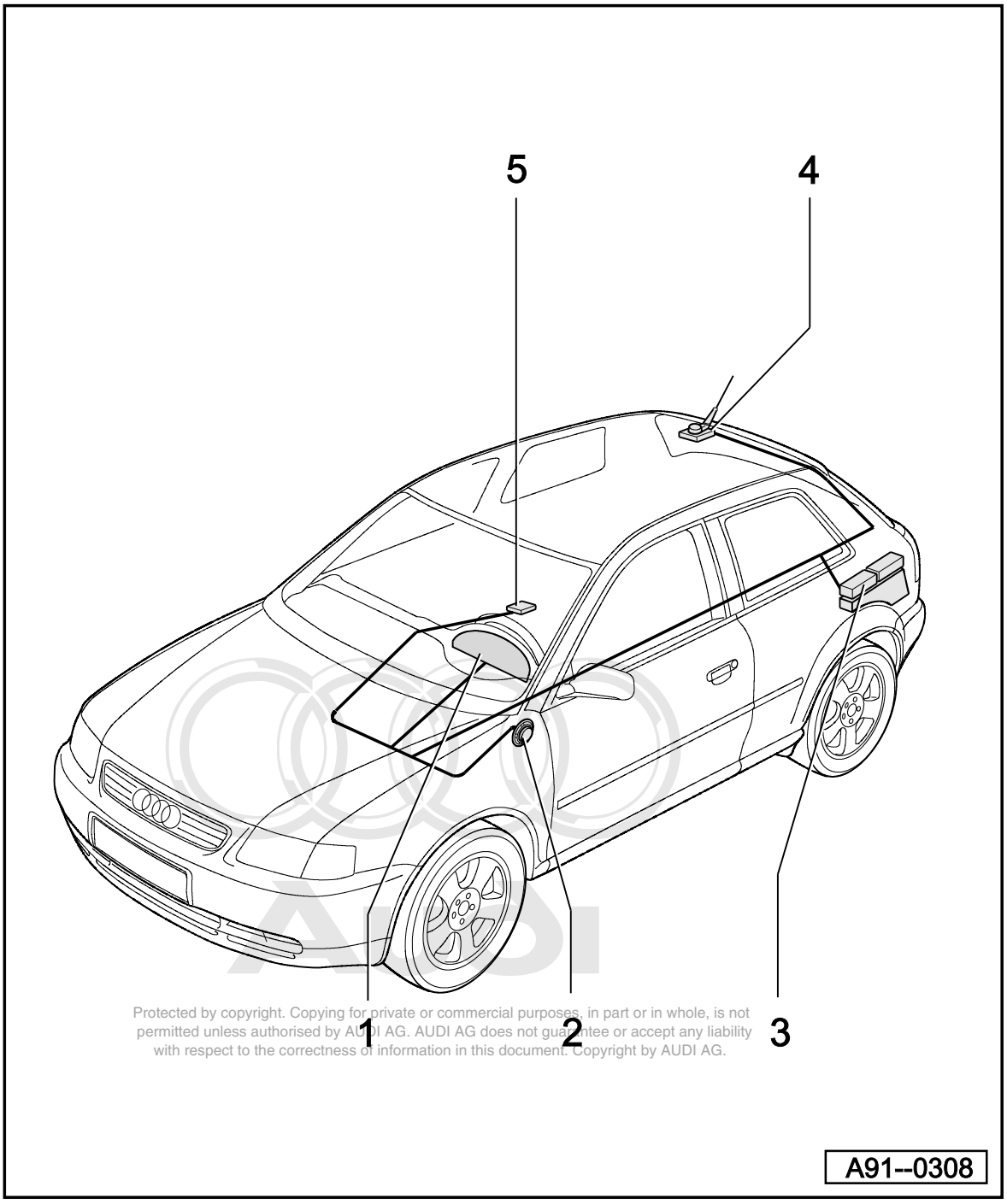
- Behind front left door trim, top (item 4)

Middle-high tone loudspeaker, front right - R27

- Behind front right door trim, top (item 4)

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Navigation system (NS LOW)



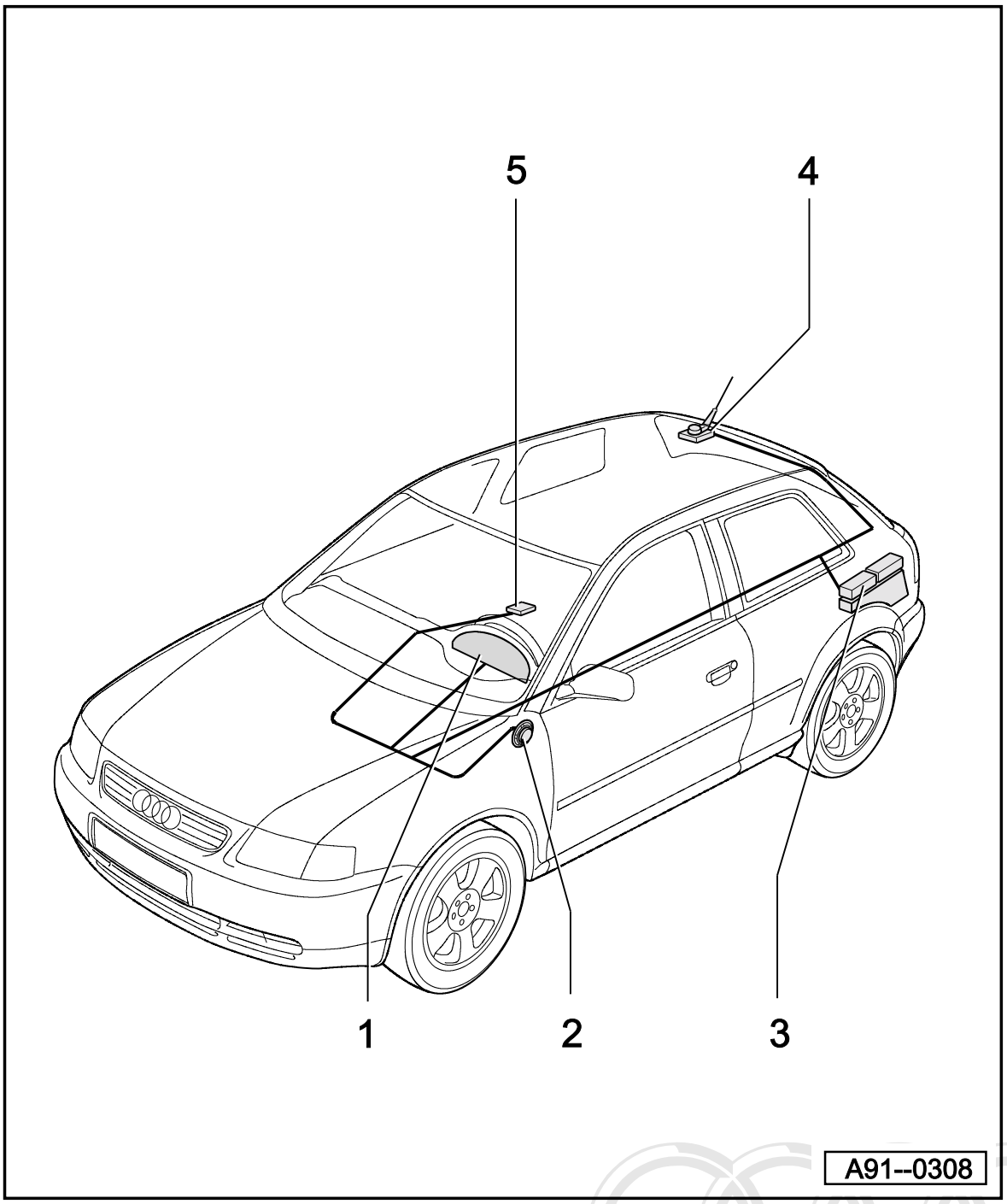
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Fitting locations overview

1 - Combi-processor in dash panel insert, auto-check system - J218, J189
♦ ⇒ Fig. 1, page 5/3

2 - Telephone/navigation systems loudspeaker - R39
♦ ⇒ Fig. 3, page 5/3

3 - Navigation system with CD drive control unit - J401
♦ ⇒ Fig. 5, page 5/4



4 - Radio/telephone/navigation aerial (GPS) - R52
♦ ⇒ Fig. 4, page 5/4

5 - Function selection switch II - E272
♦ ⇒ Fig. 2, page 5/3

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Passenger compartment

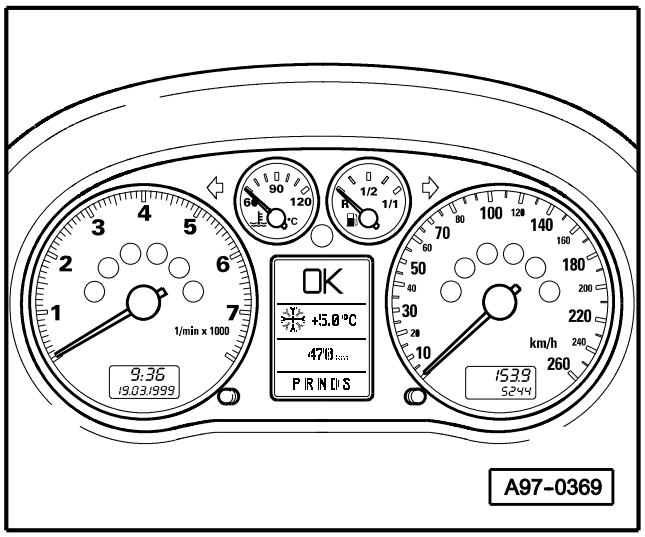


Fig. 1 Combi-processor in dash panel insert, auto-check system - J218, J189

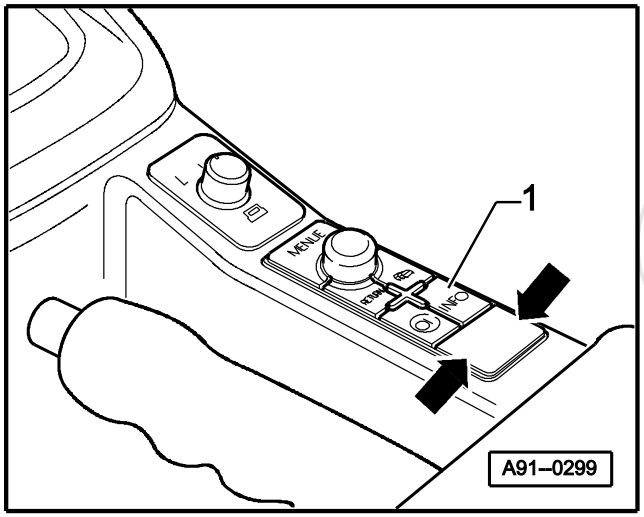


Fig. 2 Function selection switch II - E272

♦ In centre console (item 1)

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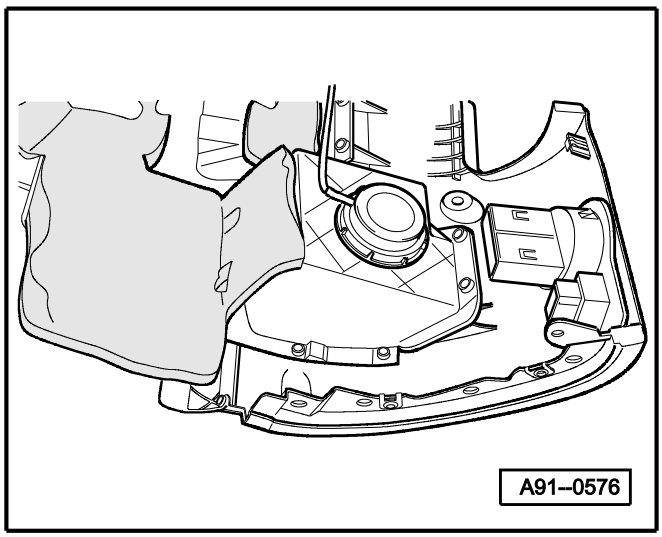


Fig. 3 Telephone/navigation systems loudspeaker - R39

♦ In driver's storage compartment

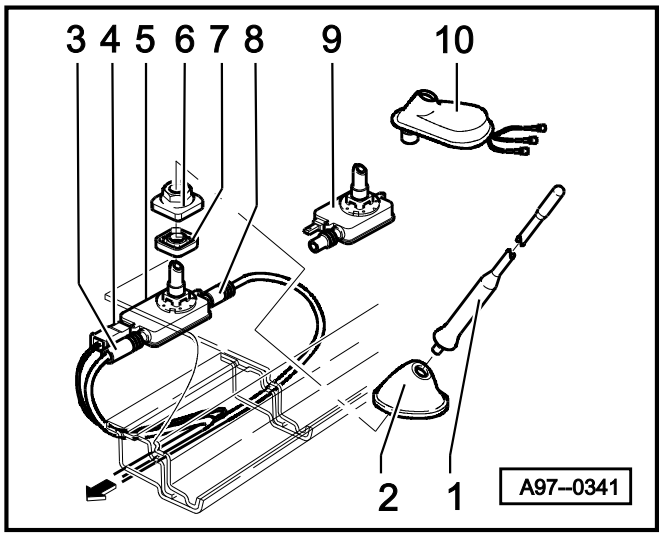


Fig. 4 Radio/telephone/navigation aerial (GPS) - R52

♦ On vehicle roof (item 10)

Luggage compartment

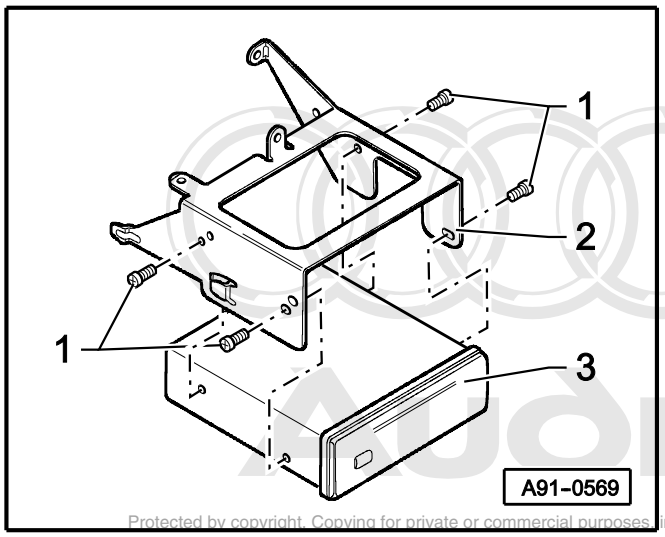


Fig. 5 Navigation system with CD drive control unit - J401

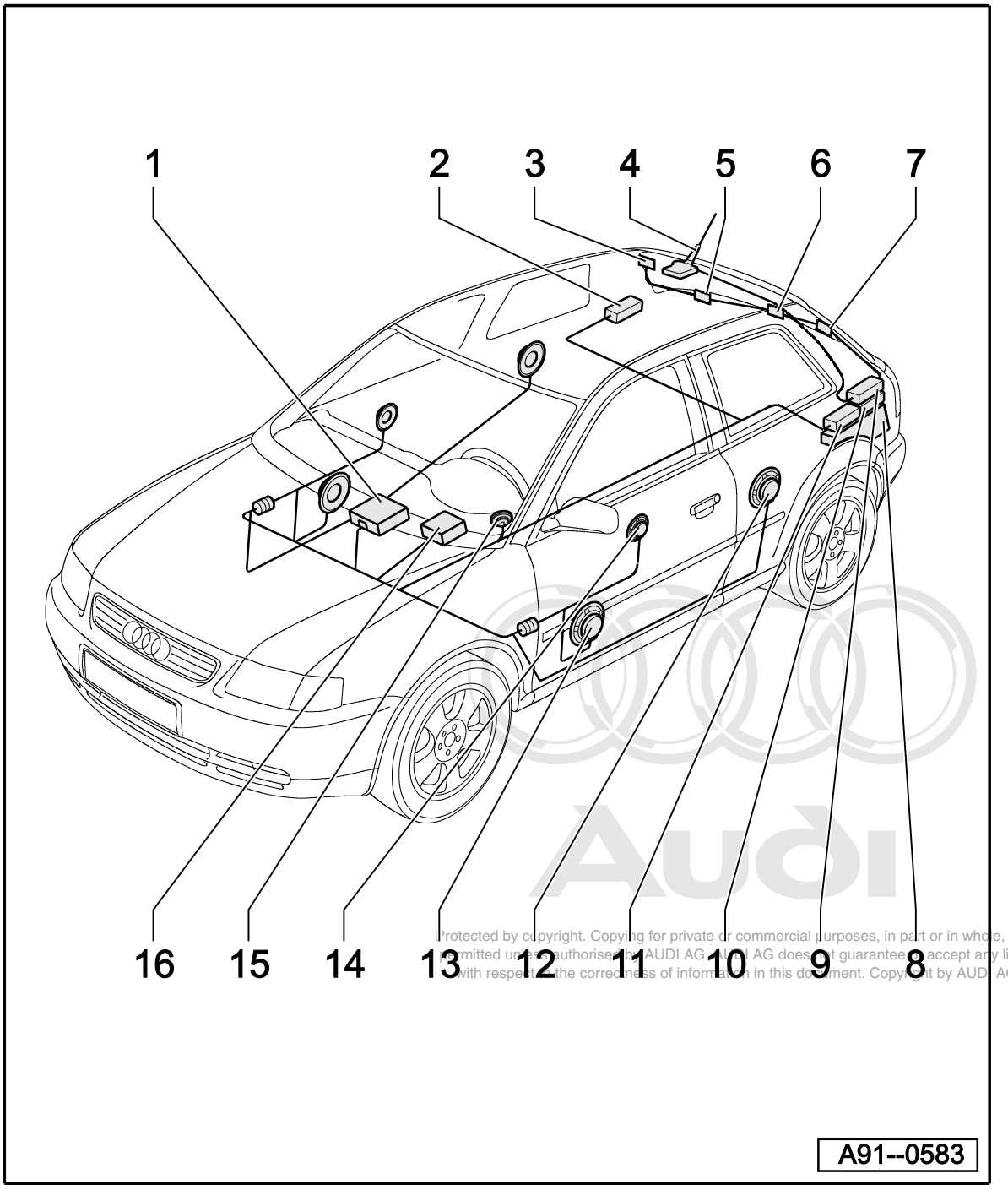
♦ Behind luggage compartment side trim, left

Fig. 6

Fig. 7

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Navigation system (RNS-D)



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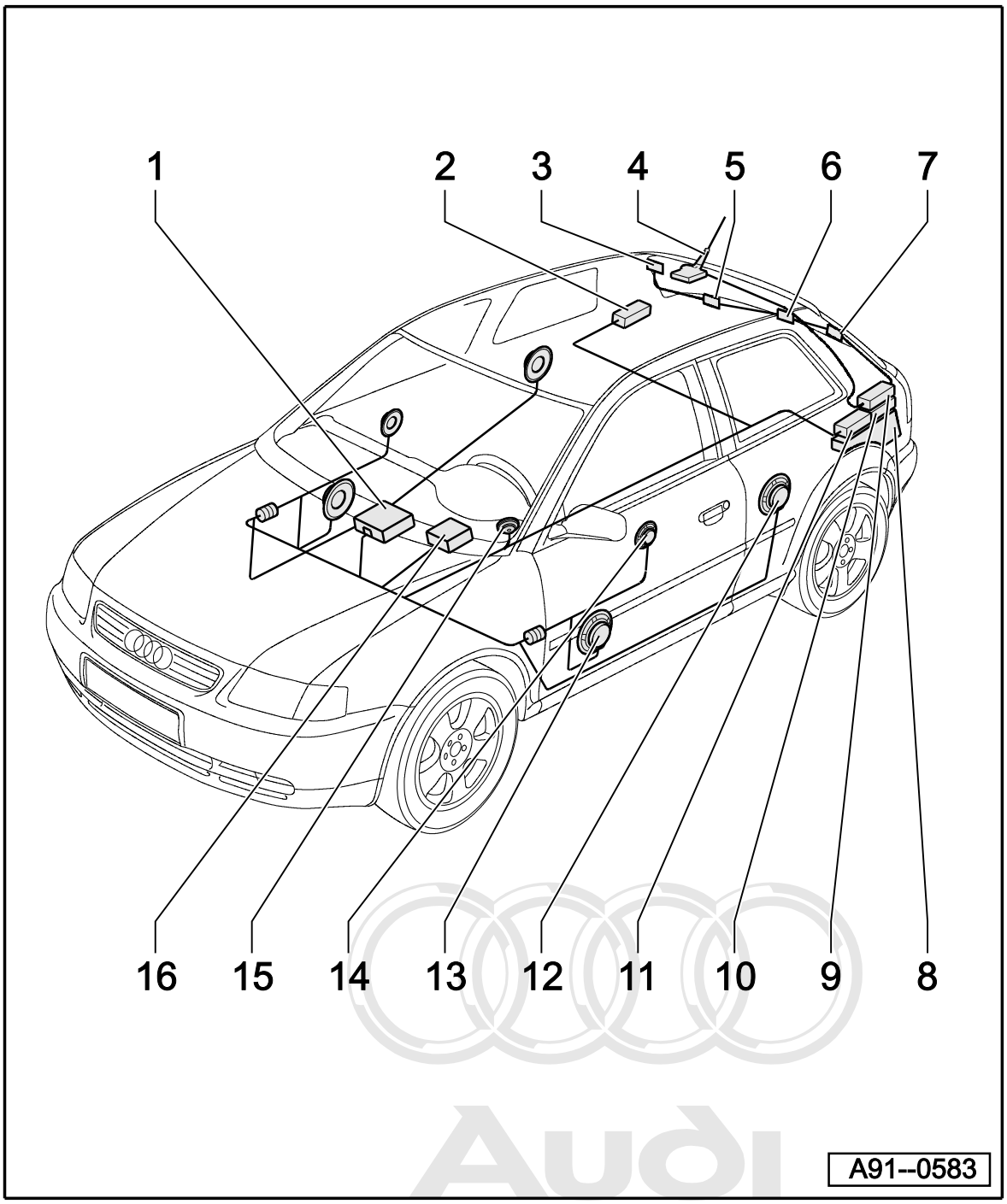
Fitting locations overview

1 - Operating electronics control unit, navigation - J402
♦ ⇒ Fig. 1, page 6/4

2 - BOSE power amplifier - R12
♦ ⇒ Fig. 4, page 6/5

3 - Aerial amplifier - R24, aerial amplifier 1, TV - R82
♦ ⇒ Fig. 5, page 6/5

4 - Radio/telephone/navigation aerial (GPS) - R52
♦ ⇒ Fig. 2, page 6/4



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5 - Aerial amplifier -2- - R111, aerial amplifier 2, TV - R83
♦ ⇒ Fig. 6, page 6/5

6 - Aerial amplifier -3- - R112, aerial amplifier 3, TV - R84
♦ ⇒ Fig. 7, page 6/6

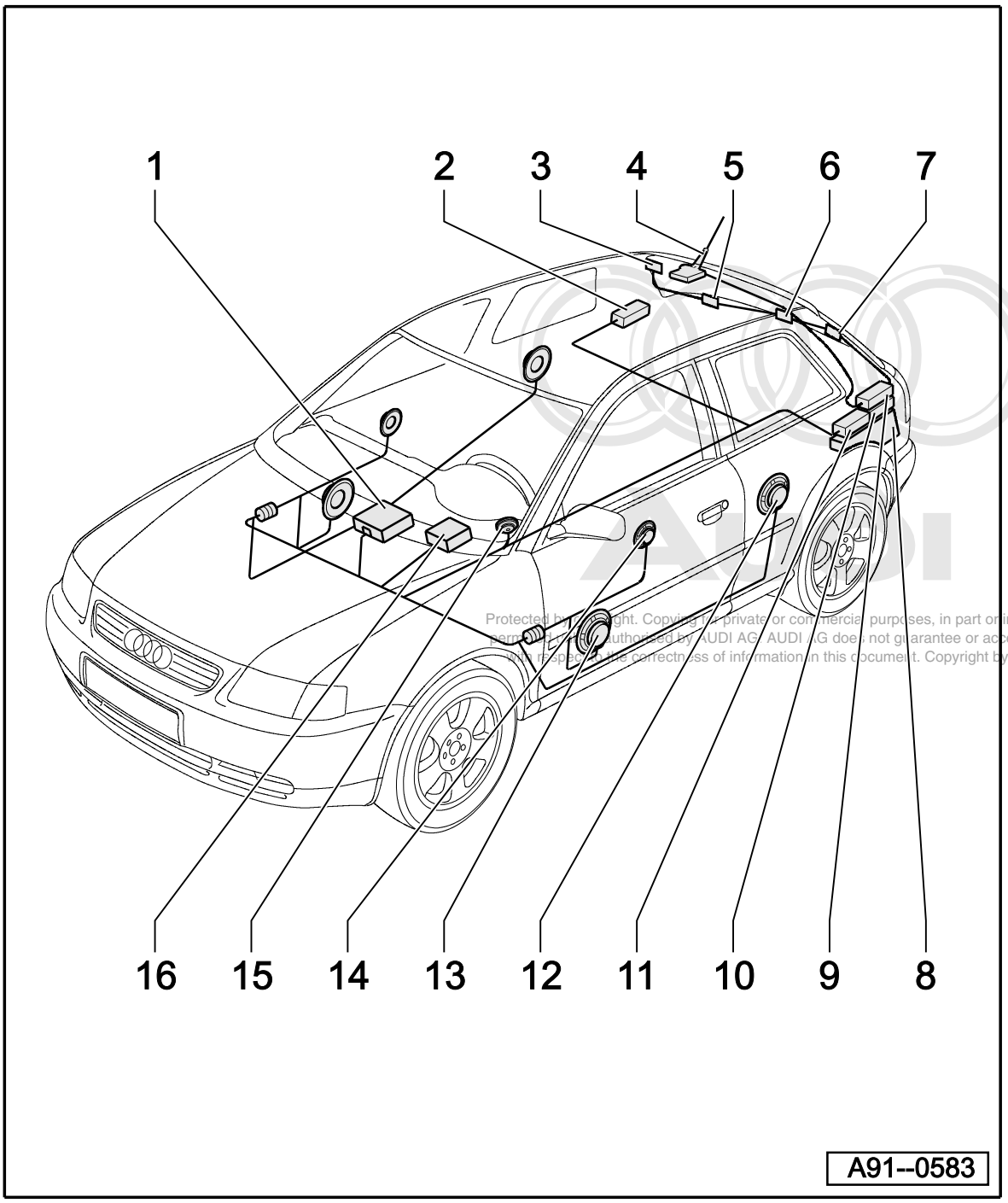
7 - Aerial amplifier 4, TV - R85
♦ ⇒ Fig. 8, page 6/6

8 - Amplifier with bass loudspeaker - R44
♦ ⇒ Fig. 12, page 6/7

9 - CD changer - R41
♦ ⇒ Fig. 9, page 6/6

10 - Aerial selection control unit - J515
♦ ⇒ Fig. 10, page 6/7

11 - Navigation/TV tuner - J415
♦ ⇒ Fig. 11, page 6/7



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12 - Middle-treble tone loudspeaker, rear - R34, R35
♦ ⇒ Fig. 13, page 6/8

12 - Bass loudspeaker, rear - R15, R17
♦ ⇒ Fig. 14, page 6/8

13 - Bass loudspeaker - R21, R23
♦ ⇒ Fig. 15, page 6/8

14 - Middle-high tone loudspeaker - R26, R27
♦ ⇒ Fig. 16, page 6/9

15 - Telephone/navigation systems loudspeaker - R39
♦ ⇒ Fig. 17, page 6/9

16 - Navigation interface - R94
♦ ⇒ Fig. 3, page 6/4

Passenger compartment

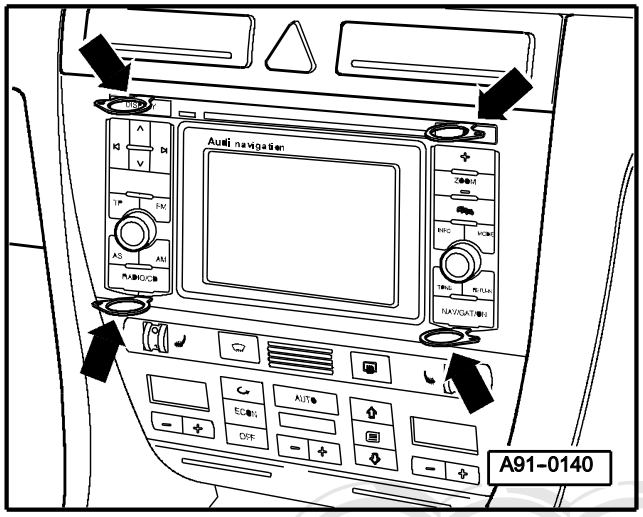


Fig. 1 Operating electronics control unit, navigation - J402

- Fitted in centre console

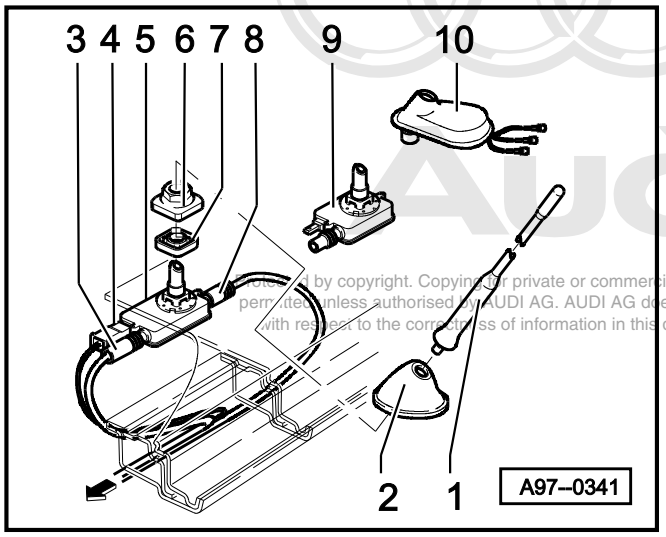


Fig. 2 Radio/telephone/navigation aerial (GPS) - R52

- On vehicle roof (item 10)

Audi
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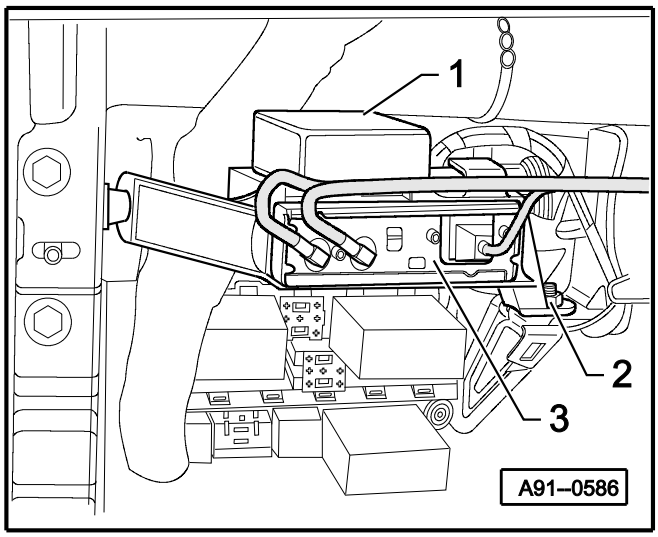


Fig. 3 Navigation interface - R94

- Under driver's storage compartment, on centre console carrier (item 3)

Luggage compartment

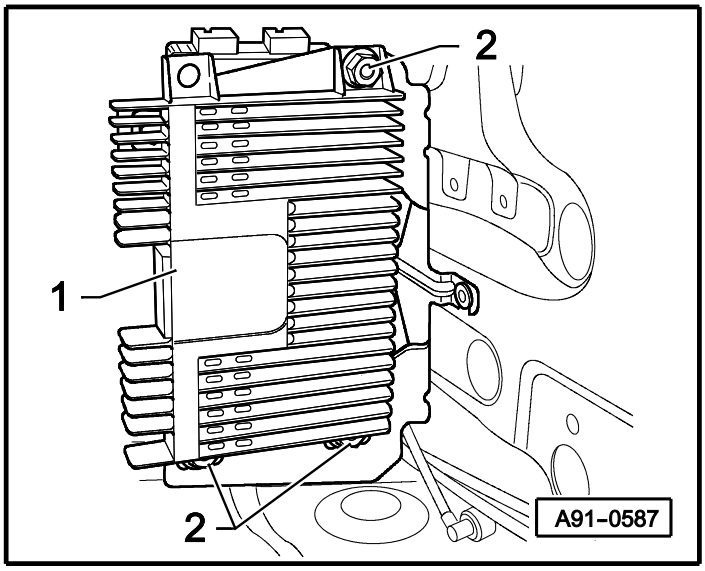


Fig. 4 BOSE power amplifier - R12

♦ In luggage compartment, rear right, under side trim (item 1)

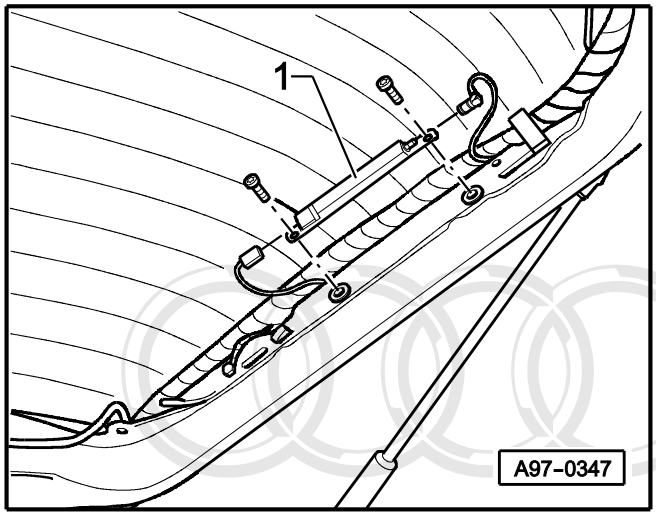


Fig. 5 Aerial amplifier - R24, aerial amplifier 1, TV - R82

♦ Under tailgate trim on right-hand side, top (item 1)

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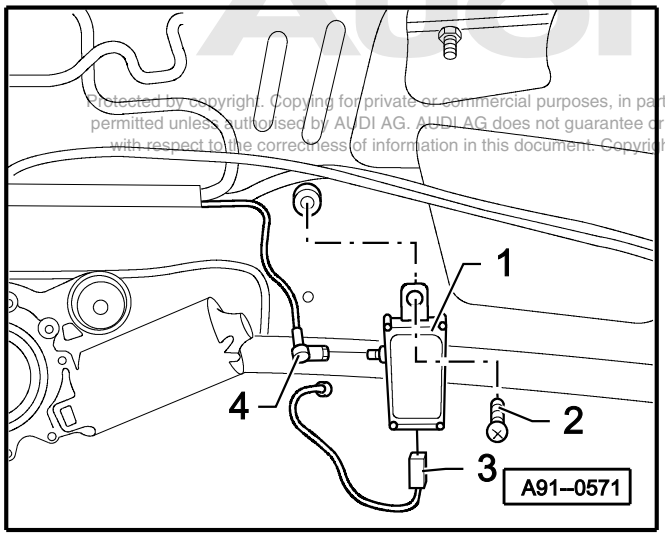


Fig. 6 Aerial amplifier -2- R111, aerial amplifier 2, TV - R83

♦ Under tailgate trim on right-hand side, bottom (item 1)

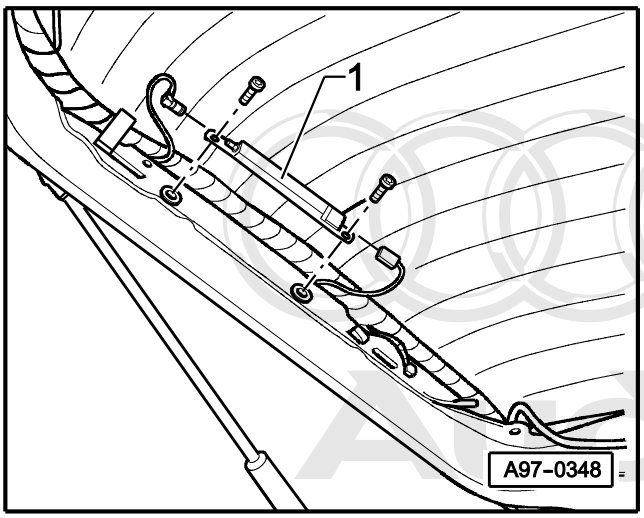


Fig. 7 Aerial amplifier -3- - R112, aerial amplifier 3, TV - R84

♦ Under tailgate trim on left-hand side, top (item 1)

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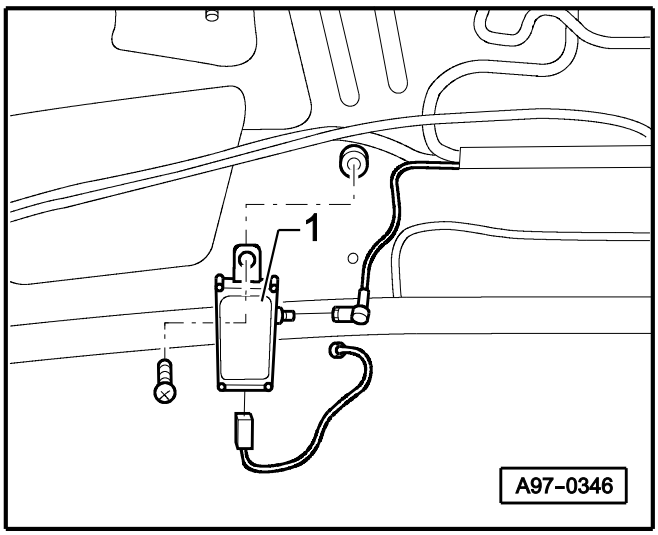


Fig. 8 Aerial amplifier 4, TV - R85

♦ Under tailgate trim on left-hand side, bottom (item 1)

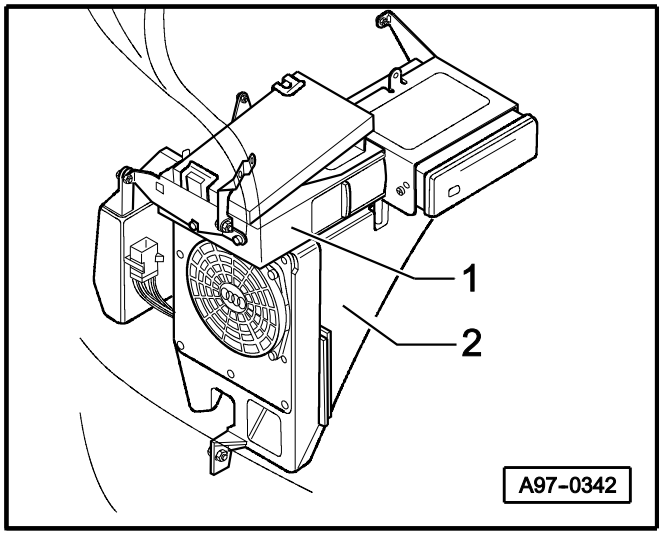


Fig. 9 CD changer - R41

♦ Behind luggage compartment side trim, left (item 1)

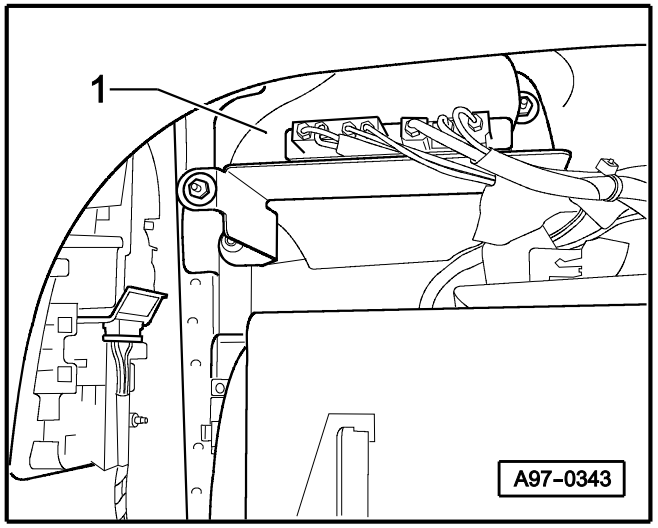


Fig. 10 Aerial selection control unit - J515

- Behind luggage compartment side trim, left (item 1)

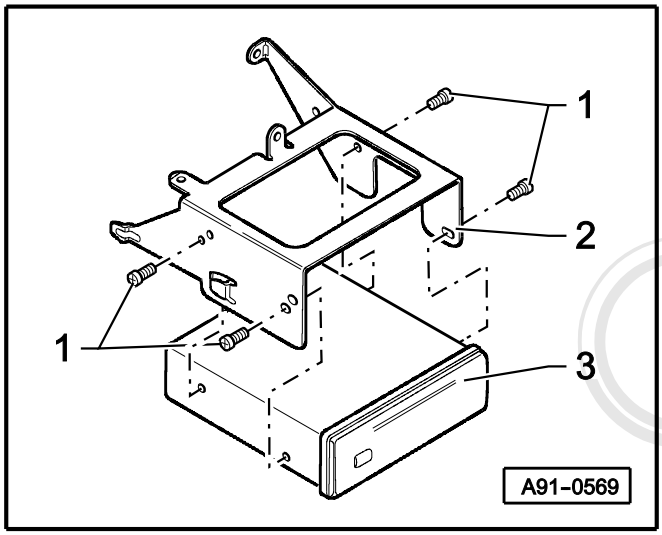


Fig. 11 Navigation /TV tuner - J415

- Behind luggage compartment side trim, left (item 3)

Loudspeakers

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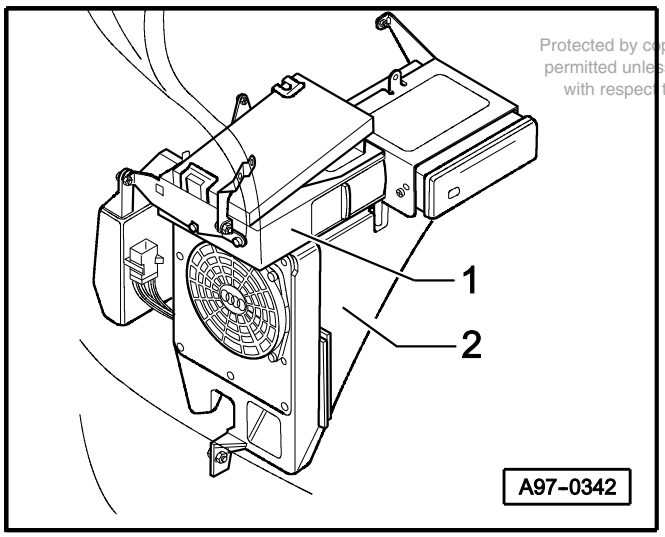


Fig. 12 Amplifier with bass loudspeaker - R44

- Behind luggage compartment side trim, left (item 2)

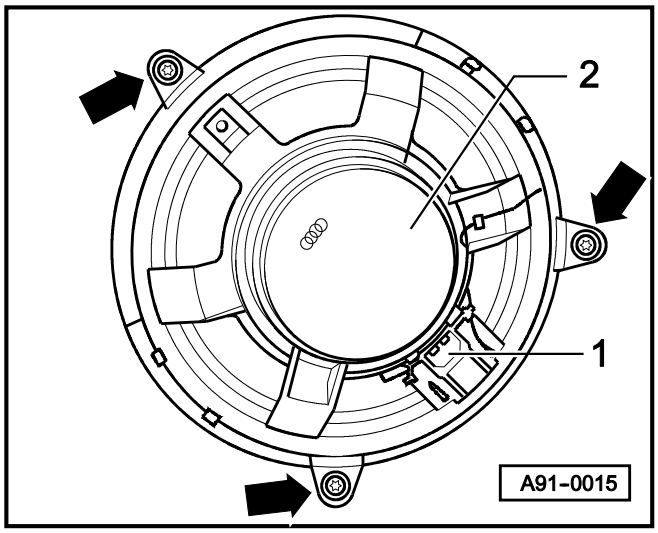


Fig. 13 Middle-treble tone loudspeaker, rear

Middle-treble tone loudspeaker, rear left - R34

♦ Behind side trim, rear left

Middle-treble tone loudspeaker, rear right - R35

♦ Behind side trim, rear right

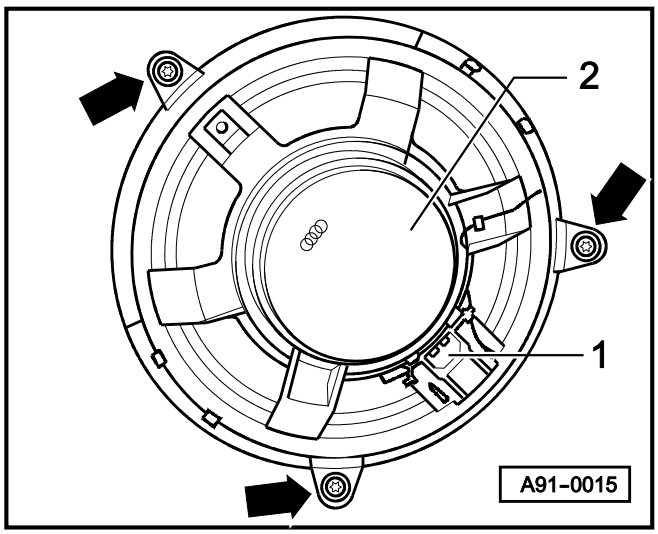


Fig. 14 Bass loudspeaker, rear

Bass loudspeaker, rear left - R15

♦ Behind side trim, rear left

Bass loudspeaker, rear right - R17

♦ Behind side trim, rear right

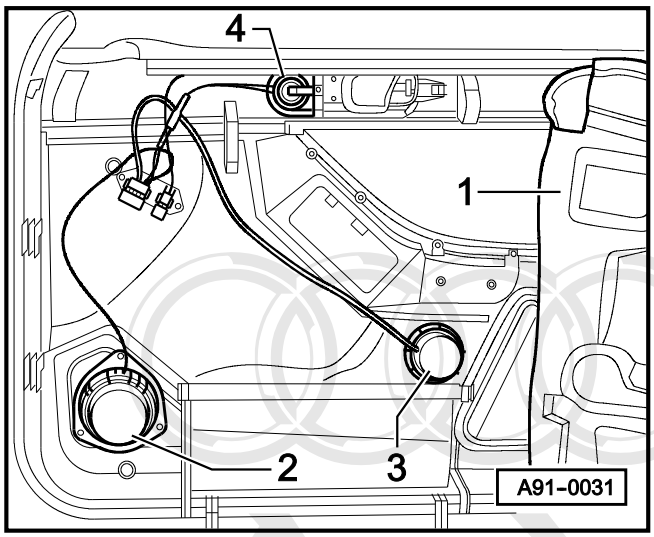


Fig. 15 Bass loudspeaker

Bass loudspeaker, front left - R21

♦ Behind front left door trim, bottom (item 2)

Bass loudspeaker, front right - R23

♦ Behind front right door trim, bottom (item 2)

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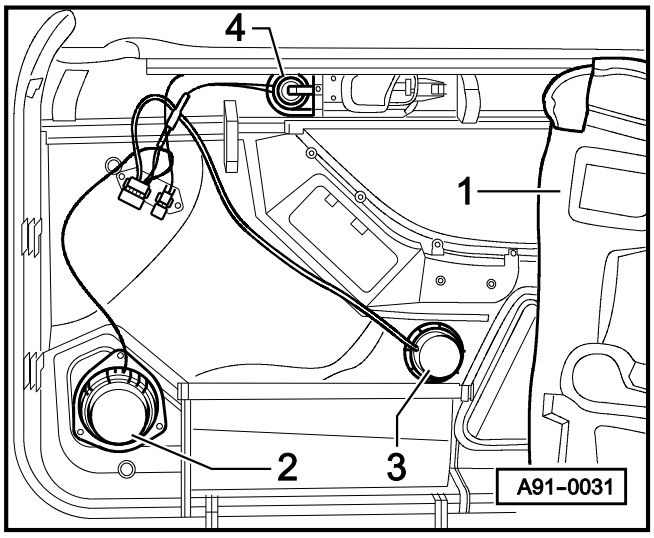


Fig. 16 Middle-high tone loudspeaker

Middle-high tone loudspeaker, front left - R26

♦ Behind front left door trim, top (item 4)

Middle-high tone loudspeaker, front right - R27

♦ Behind front right door trim, top (item 4)

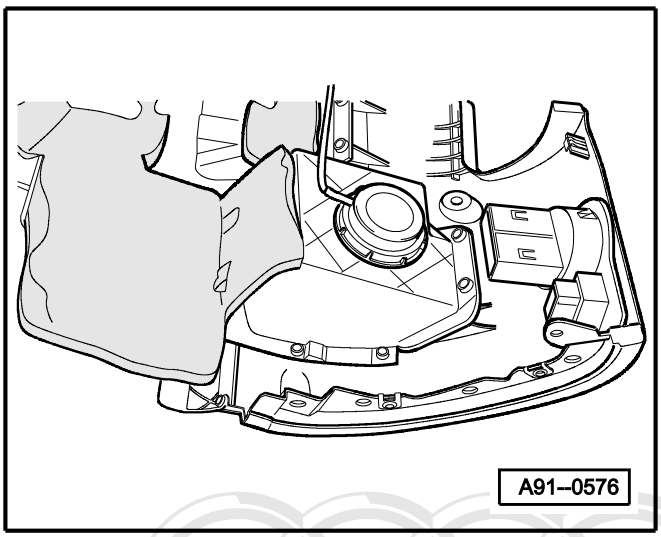
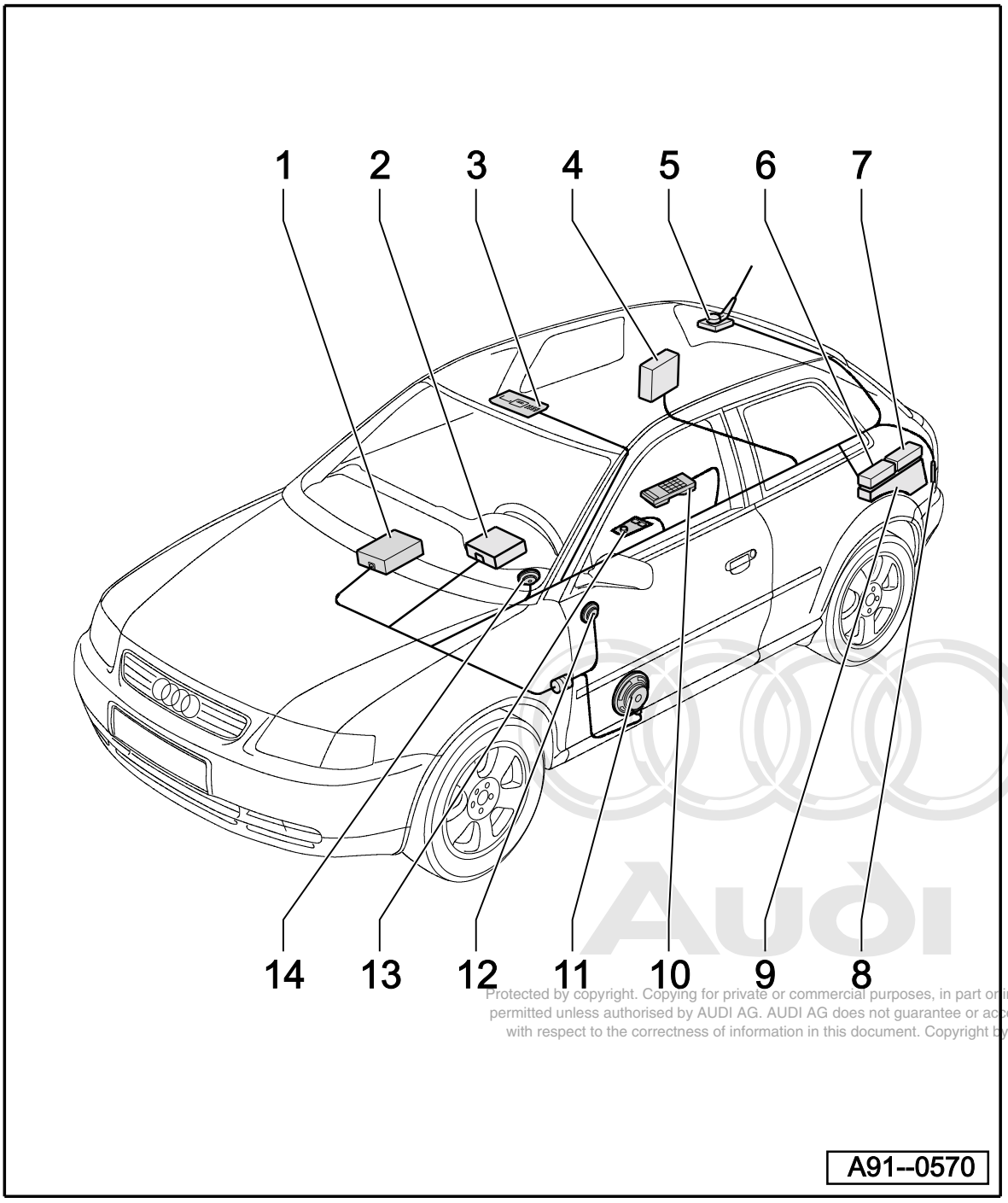


Fig. 17 Telephone/navigation systems loudspeaker - R39

♦ In driver's storage compartment

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Telemat ics



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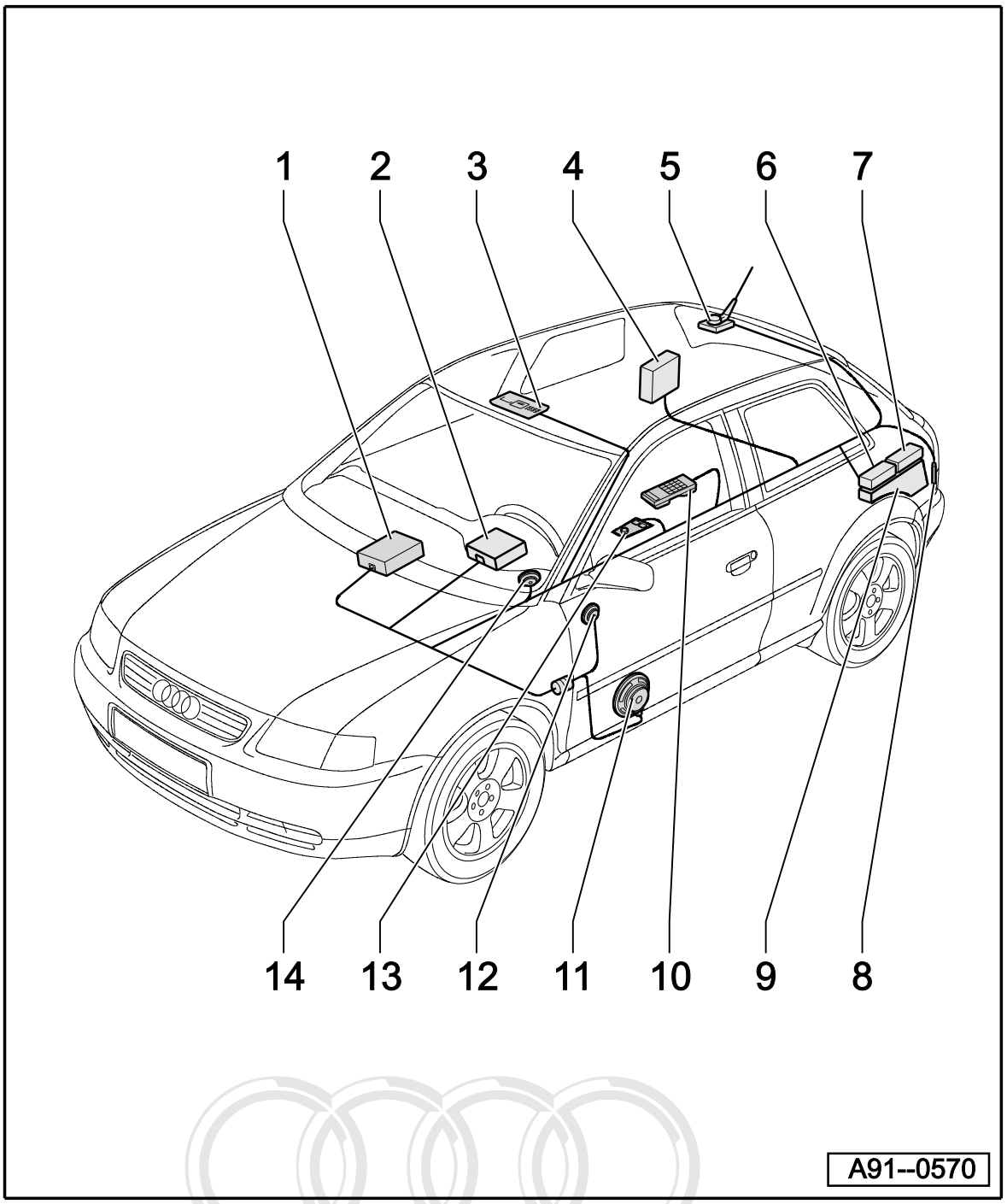
Fitting locations overview

1 - Operating electronics control unit, navigation - J402
♦ ⇒ Fig. 1, page 7/4

2 - Combi-processor in dash panel insert, auto-check system - J218, J189
♦ ⇒ Fig. 2, page 7/4

3 - Front interior light with emergency call button - E276, breakdown help button - E275, telephone microphone - R38
♦ ⇒ Fig. 3, page 7/4

4 - Telephone/telematics control unit - J526
♦ ⇒ Fig. 7, page 7/6



5 - Radio/telephone/navigation aerial (GPS) - R52
♦ ⇒ Fig. 4, page 7/5

6 - Navigation /TV tuner - J415
♦ ⇒ Fig. 8, page 7/6

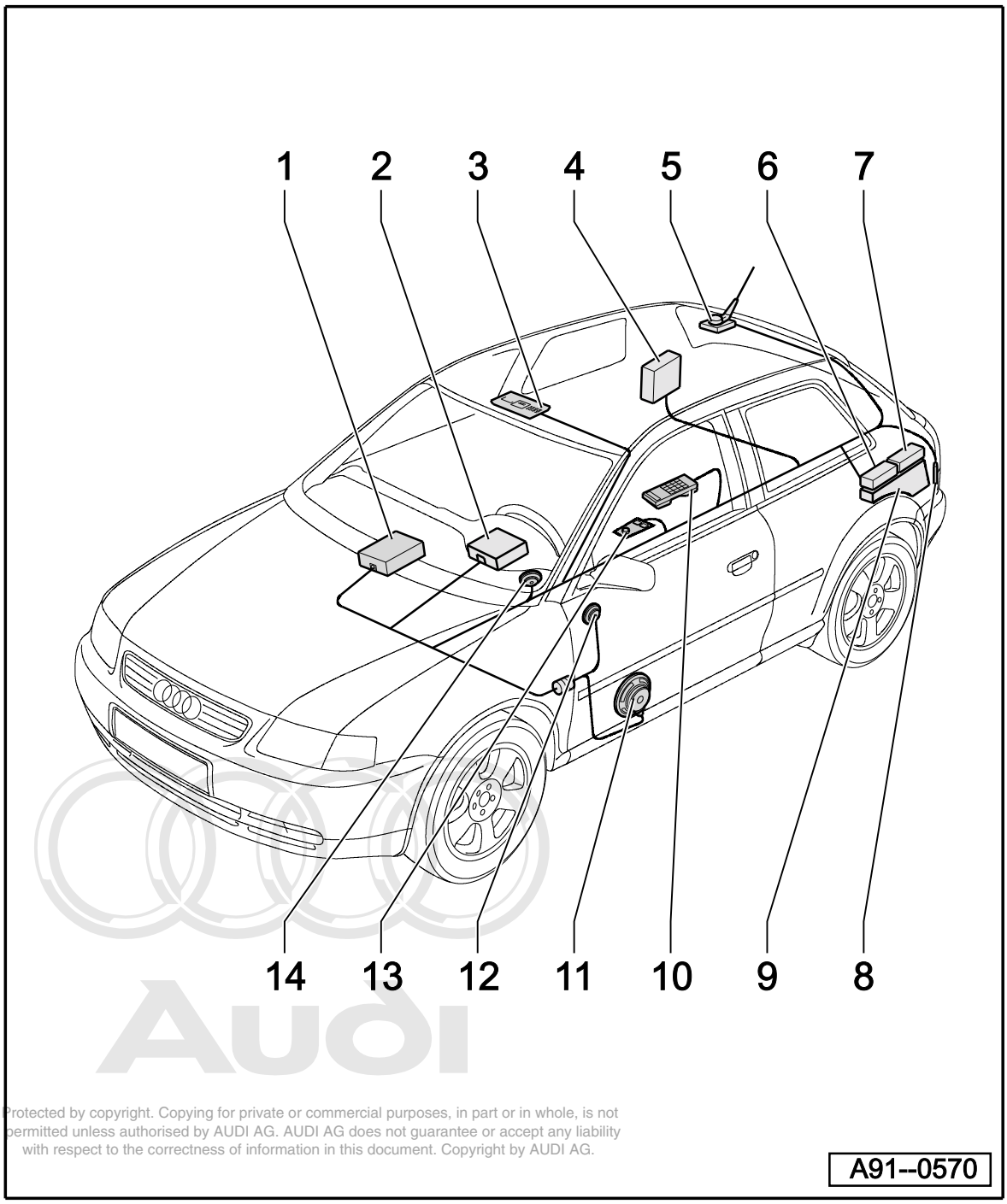
7 - Aerial filter - R87
♦ ⇒ Fig. 9, page 7/6

8 - Additional aerial for telematics - R90
♦ ⇒ Fig. 14, page 7/8

9 - Amplifier with bass loudspeaker (luggage compartment, left) - R44
♦ ⇒ Fig. 11, page 7/7

10 - Telephone handset - R37
♦ ⇒ Fig. 5, page 7/5

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11 - Bass loudspeaker - R21, R23
♦ ⇒ Fig. 12, page 7/7

12 - Middle-high tone loudspeaker - R26, R27
♦ ⇒ Fig. 13, page 7/8

13 - Function selection switch II - E272
♦ ⇒ Fig. 6, page 7/5

14 - Additional loudspeaker for telematics - R91, telephone/navigation systems loudspeaker - R39
♦ ⇒ Fig. 10, page 7/7

Passenger compartment

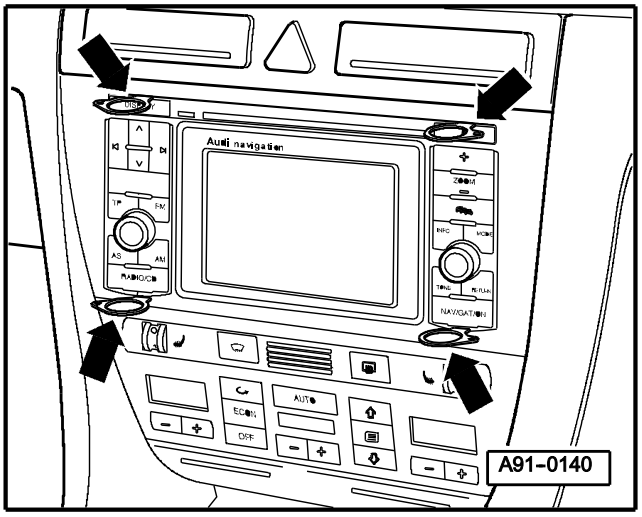


Fig. 1 Operating electronics control unit, navigation - J402

♦ Fitted in centre console

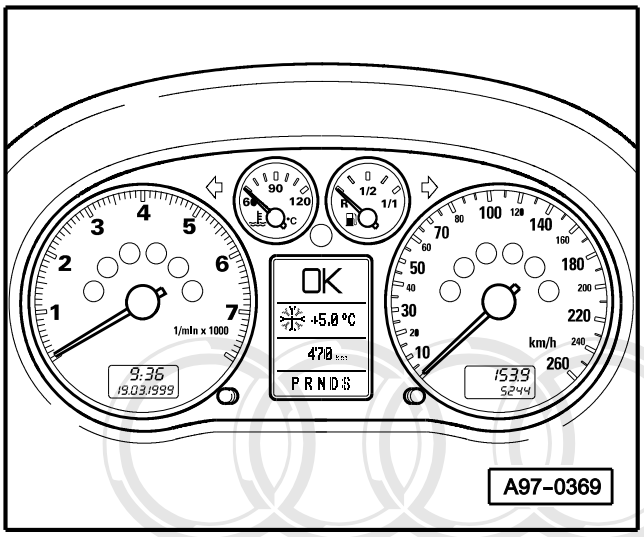


Fig. 2 Combi-processor in dash panel insert - J218, auto-check system - J189

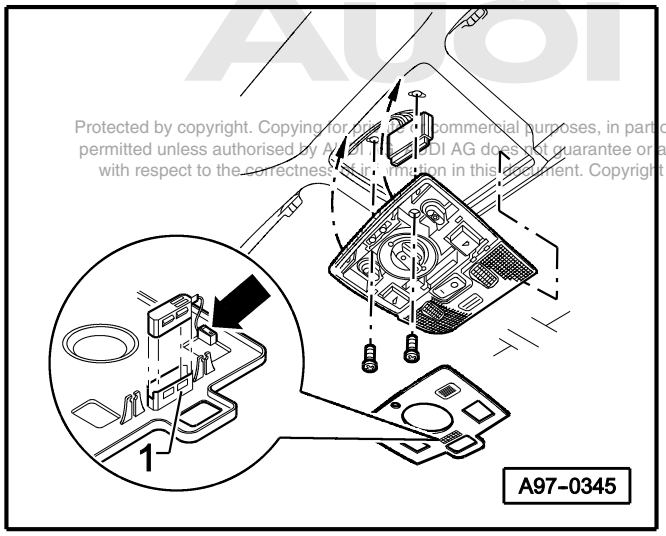


Fig. 3 Front interior light with emergency call button - E276, breakdown help button - E275, telephone microphone - R38

♦ In vehicle roof, front

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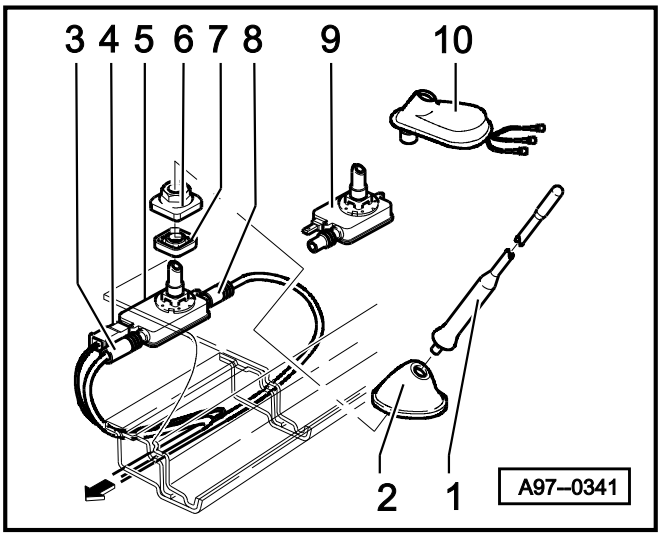


Fig. 4 Radio/telephone/navigation aerial (GPS) - R52

♦ On vehicle roof (item 10)

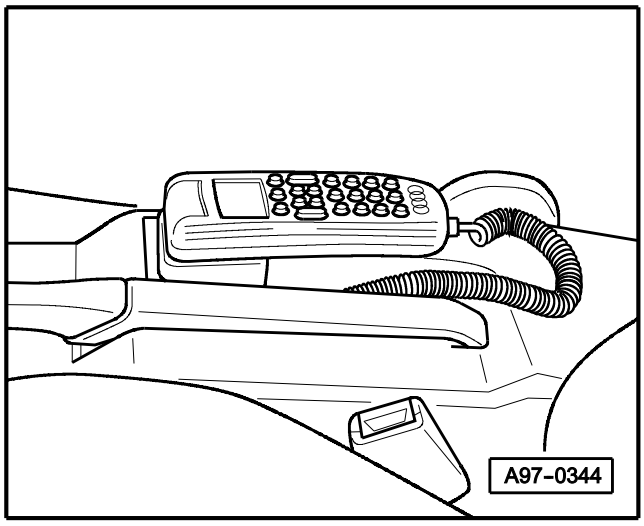


Fig. 5 Telephone handset - R37

♦ In centre console

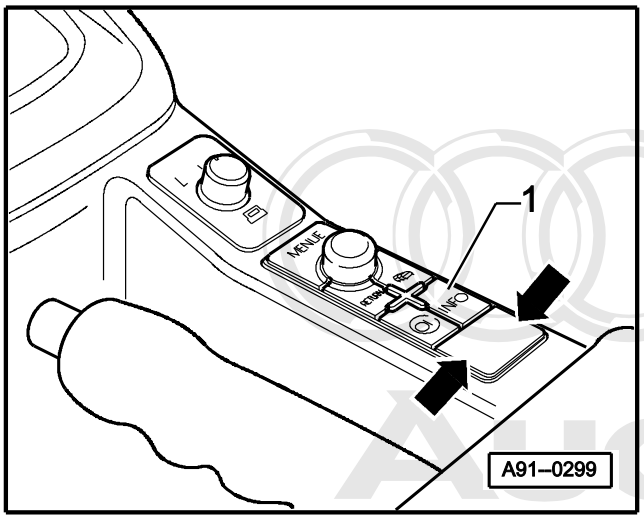


Fig. 6 Function selection switch II - E272

♦ In centre console (item 1)

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Luggage compartment

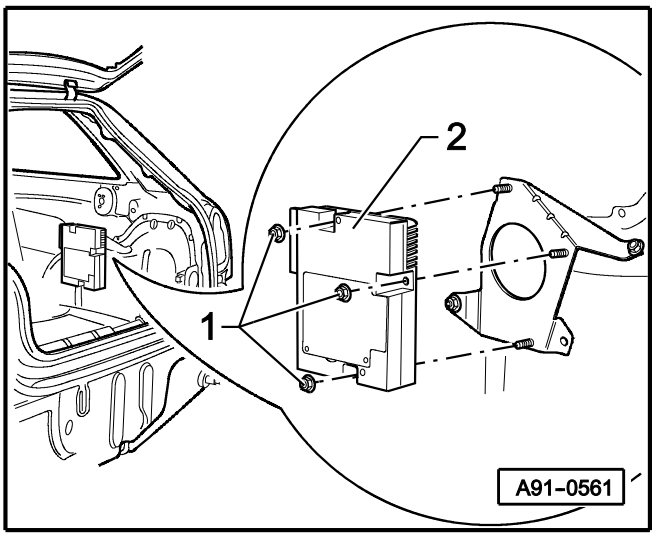


Fig. 7 Telephone/telematics control unit - J526

♦ In luggage compartment, rear right, under side trim

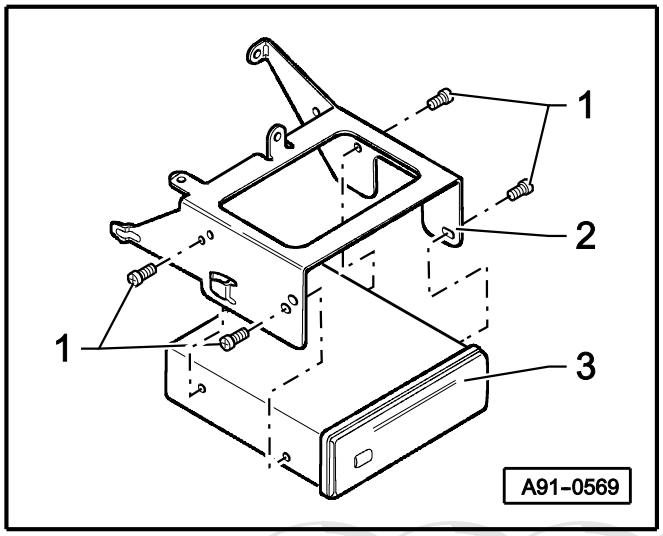


Fig. 8 Navigation /TV tuner - J415

♦ Behind luggage compartment side trim

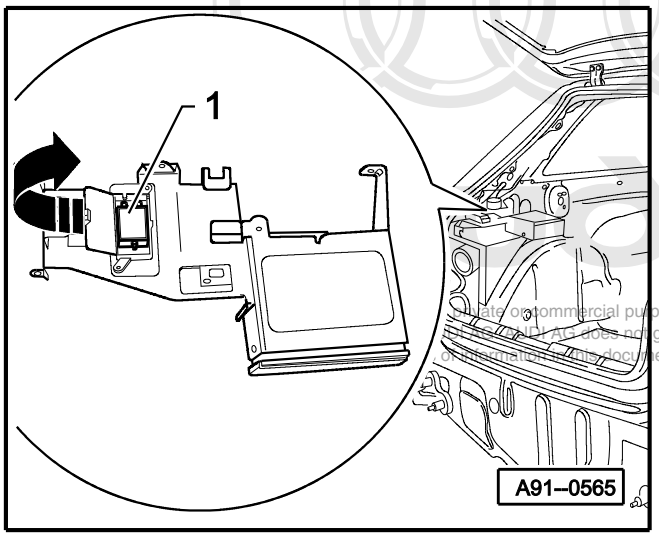


Fig. 9 Aerial filter - R87

♦ Behind luggage compartment side trim, left

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Loudspeakers

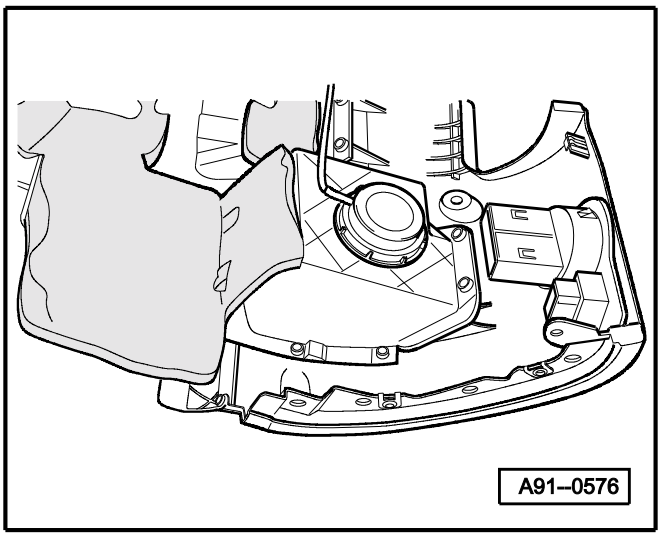


Fig. 10 Additio nal loudspeaker for telematics - R91, telephone/n avigation systems loudspeaker - R39

- In driver's storage compartment

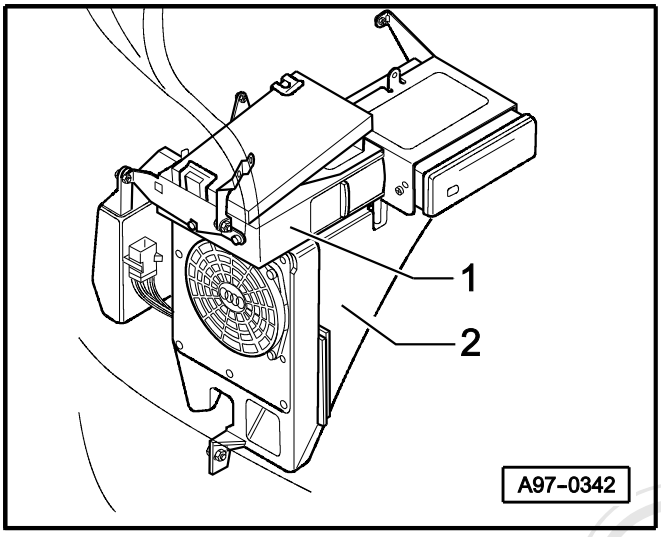


Fig. 11 Amplifie r with bass loudspeaker (luggage compartment, left) - R44

- Behind luggage compartment side trim, left (item 2)

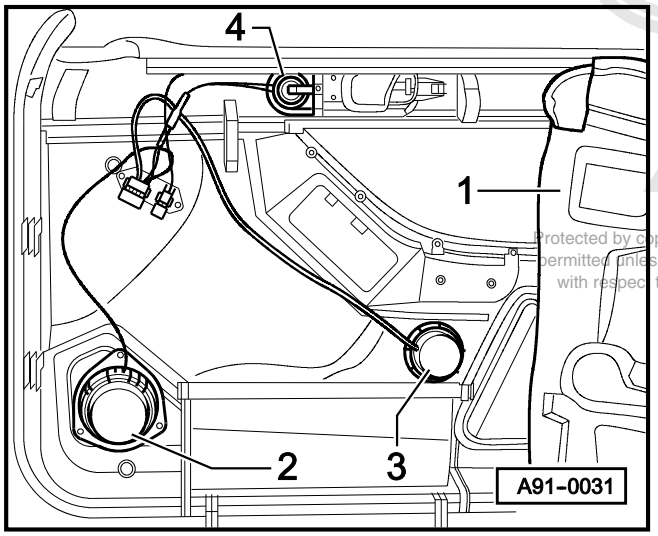


Fig. 12 Bass loudspeaker

Bass loudspeaker, front left - R21

- Behind front left door trim, bottom (item 2)

Bass loudspeaker, front right - R23

- Behind front right door trim, bottom (item 2)

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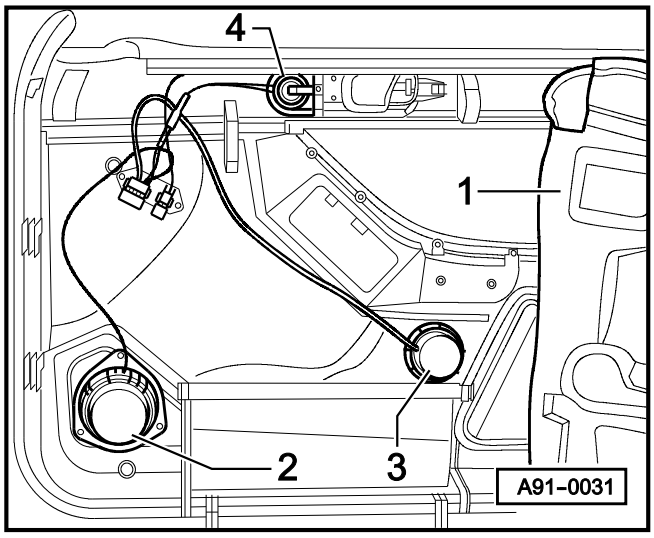


Fig. 13 Middle-high tone loudspeaker

Middle-high tone loudspeaker, front left - R26

♦ Behind front left door trim, top (item 4)

Middle-high tone loudspeaker, front right - R27

♦ Behind front right door trim, top (item 4)

Rear bumper

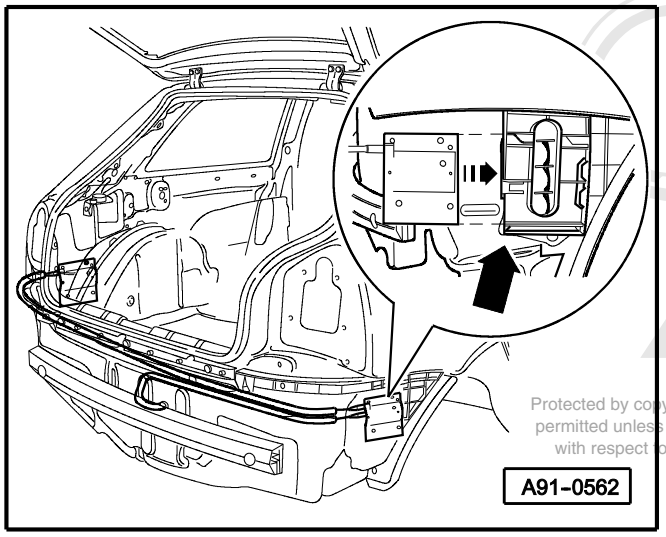
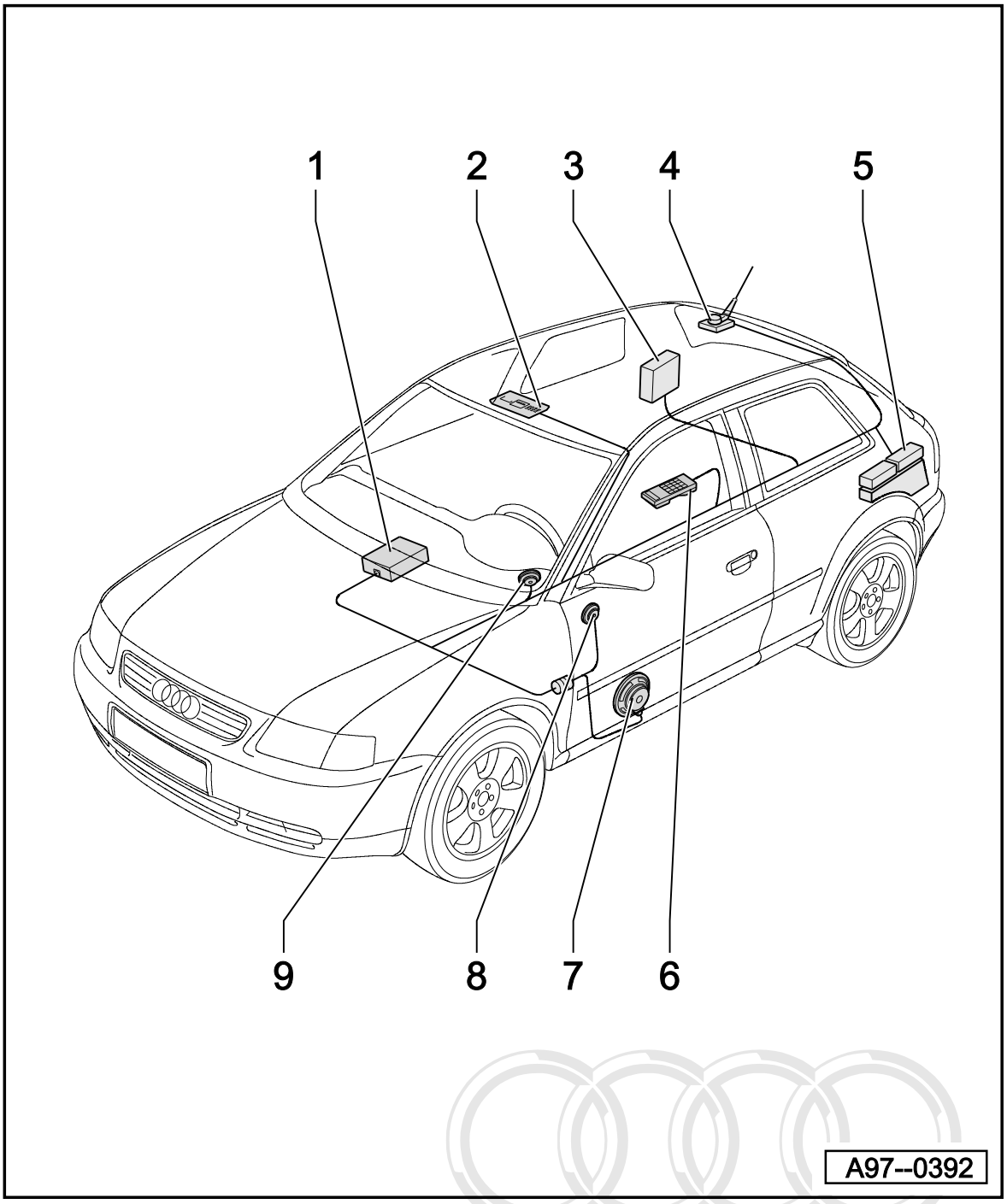


Fig. 14 Additio nal aerial for telematics - R90

♦ In rear bumper

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Telephone system (D network)



Fitting locations overview

1 - Radio - R
♦ ⇒ Fig. 1, page 8/3

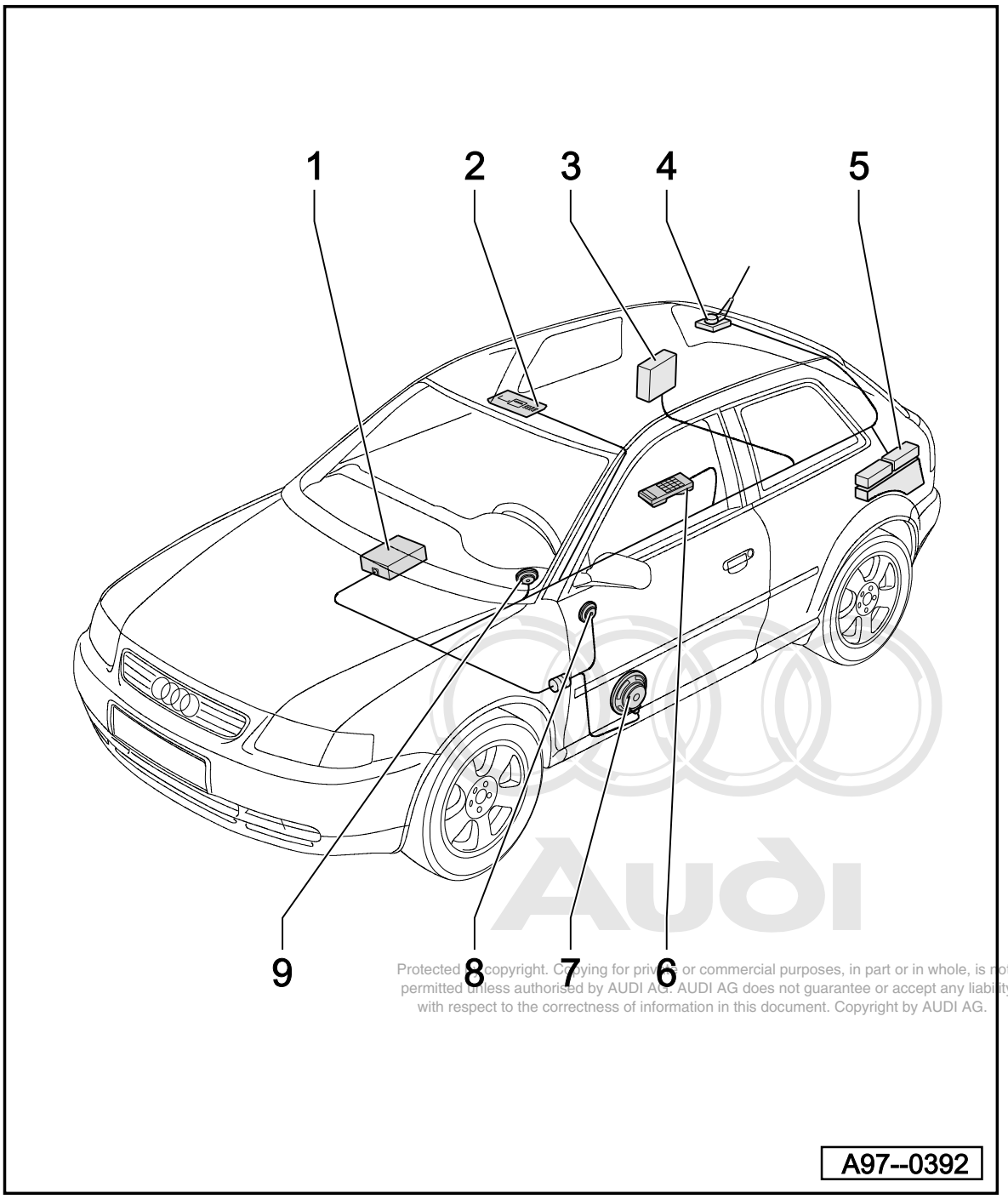
2 - Telephone microphone - R38
♦ ⇒ Fig. 3, page 8/3

3 - Telephone transmitter and receiver unit - R36 *
♦ ⇒ Fig. 5, page 8/4

* - Applicable from model year 2002

4 - Radio/telephone/navigation aerial (GPS) - R52
♦ ⇒ Fig. 4, page 8/4

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5 - Telephone transmitter and receiver unit - R36 **
♦ ⇒ Fig. 6, page 8/4
** - As of model year 2002 no longer fitted

6 - Telephone handset - R37
♦ ⇒ Fig. 2, page 8/3

7 - Bass loudspeaker - R21, R23
♦ ⇒ Fig. 7, page 8/5

8 - Middle-high tone loudspeaker - R26, R27
♦ ⇒ Fig. 8, page 8/5

9 - Telephone/navigation systems loudspeaker - R39
♦ ⇒ Fig. 9, page 8/5

Passenger compartment

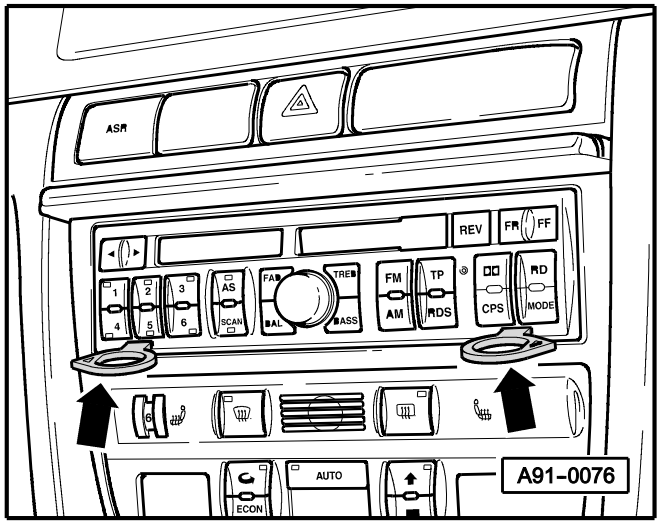


Fig. 1 Radio - R

♦ In centre console

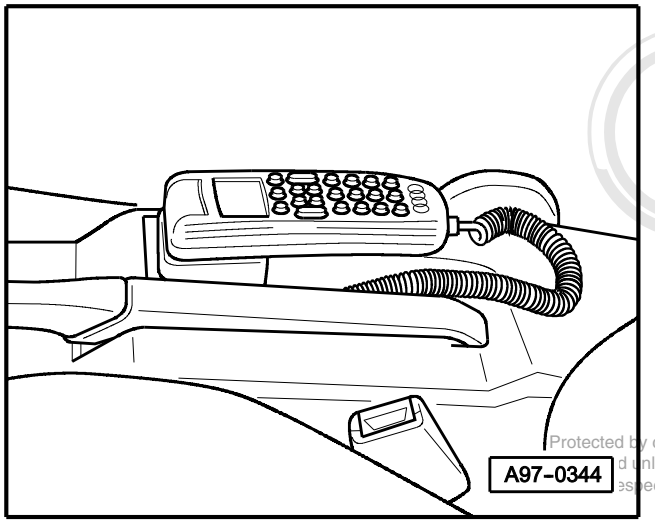


Fig. 2 Telephone handset - R37

♦ In centre console

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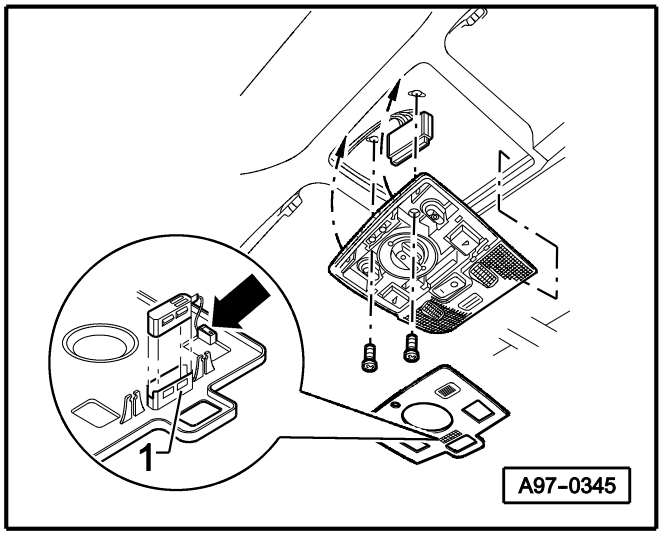


Fig. 3 Telephone microphone - R38

♦ In vehicle roof, front

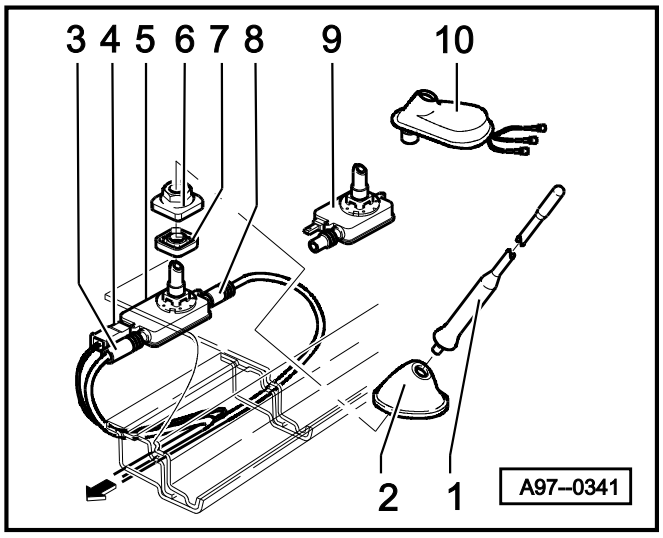


Fig. 4 Radio/telephone/navigation aerial (GPS) - R52

♦ On vehicle roof (item 10)

Luggage compartment

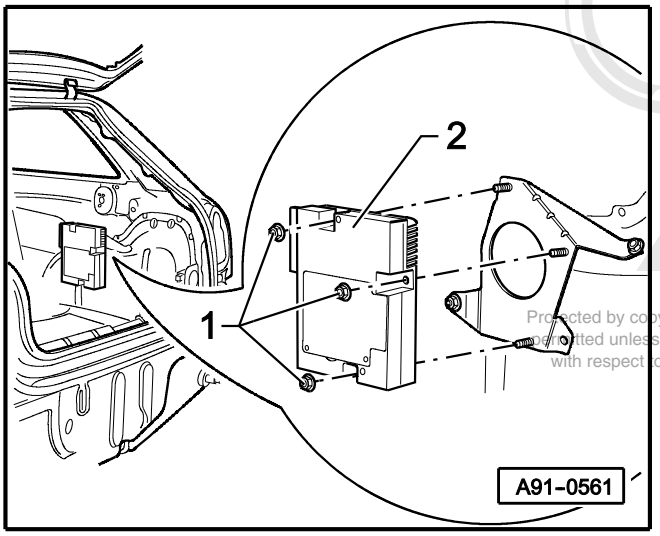


Fig. 5 Telephone transmitter and receiver unit - R36 *

♦ In luggage compartment, rear right, under side trim

*♦ Applicable from model year 2002

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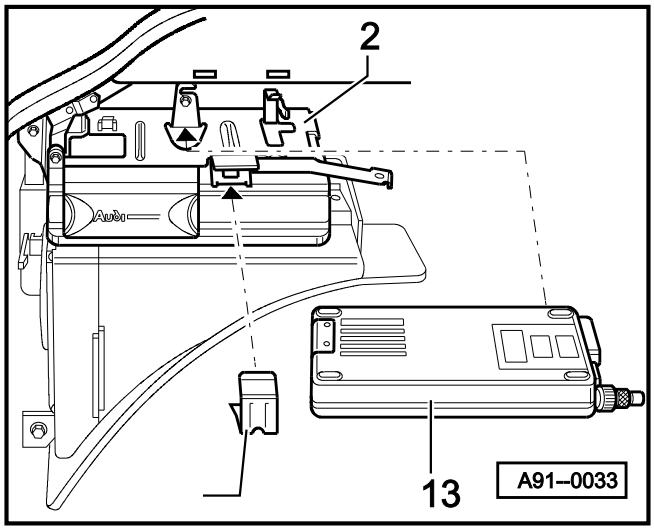


Fig. 6 Telephone transmitter and receiver unit - R36 **

♦ Behind luggage compartment side trim, left (item 1)

**♦ As of model year 2002 no longer fitted

Loudspeakers

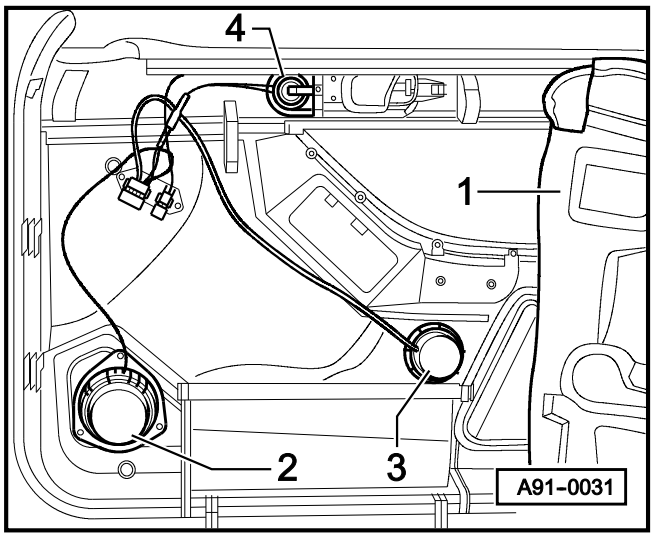


Fig. 7 Bass loudspeaker

Bass loudspeaker, front left - R21

- Behind front left door trim, bottom (item 2)

Bass loudspeaker, front right - R23

- Behind front right door trim, bottom (item 2)

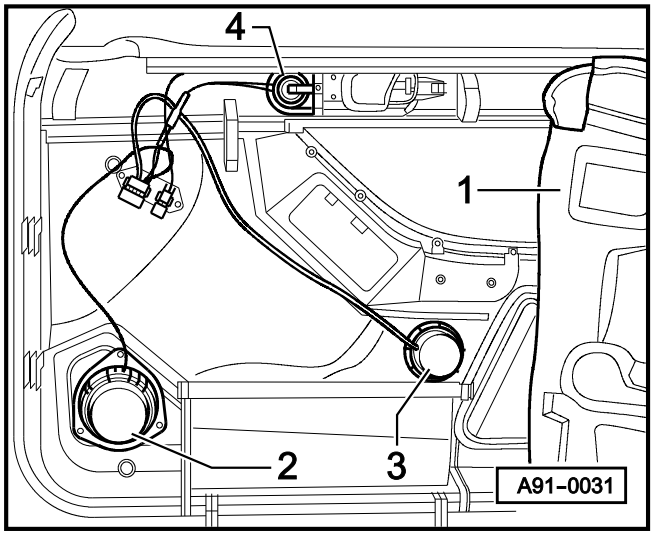


Fig. 8 Middle-high tone loudspeaker

Middle-high tone loudspeaker, front left - R26

- Behind front left door trim, top (item 4)

Middle-high tone loudspeaker, front right - R27

- Behind front right door trim, top (item 4)

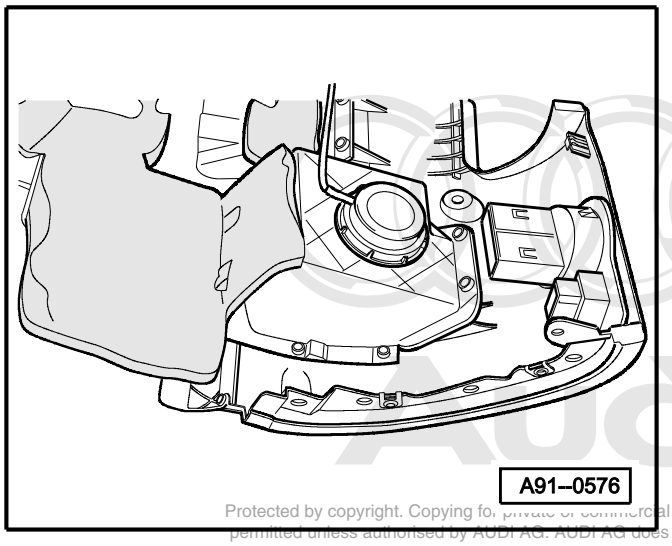
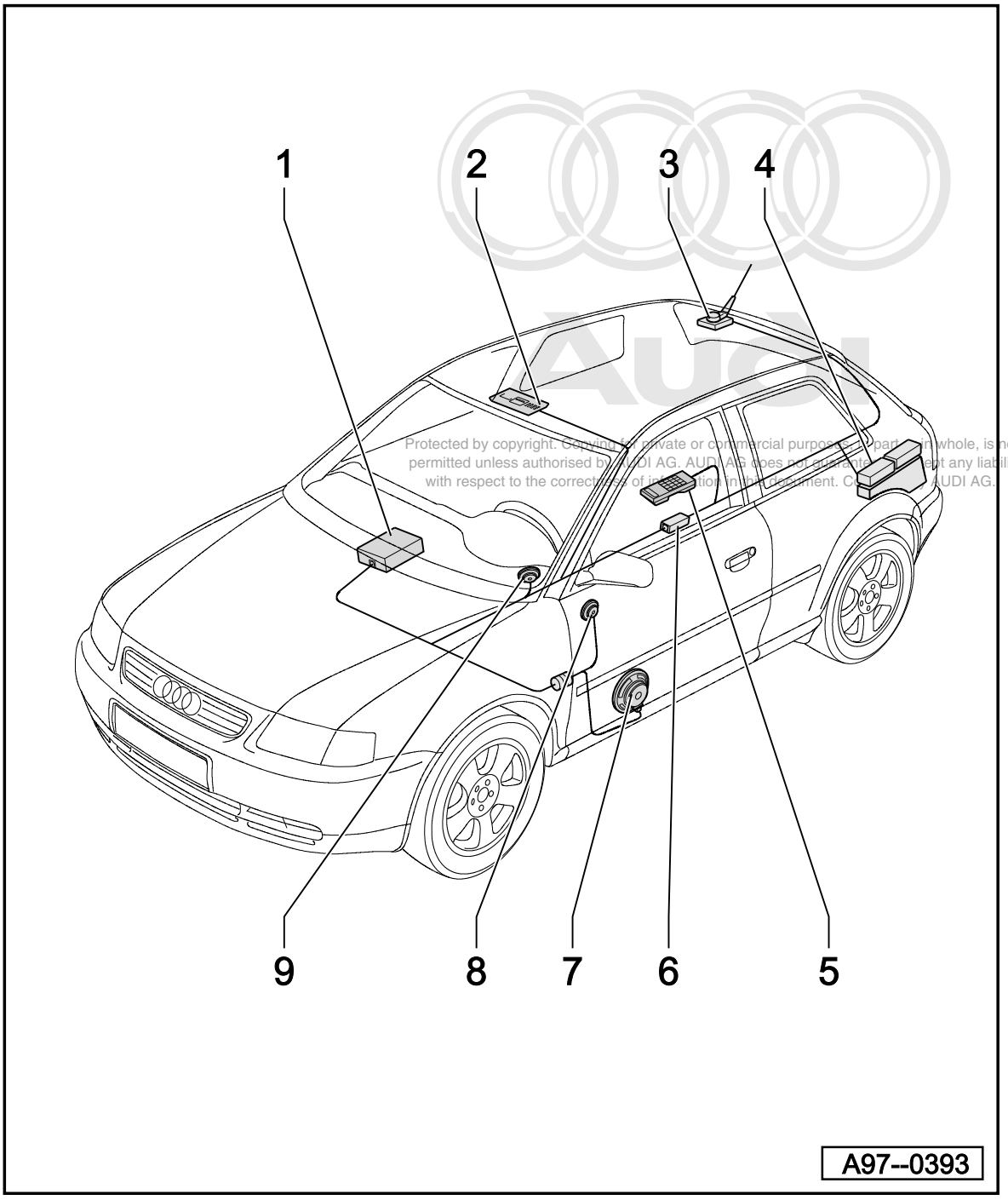


Fig. 9 Telephone/navigation systems loudspeaker - R39

- In driver's storage compartment

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Mobile phone (provision for mobile phone)



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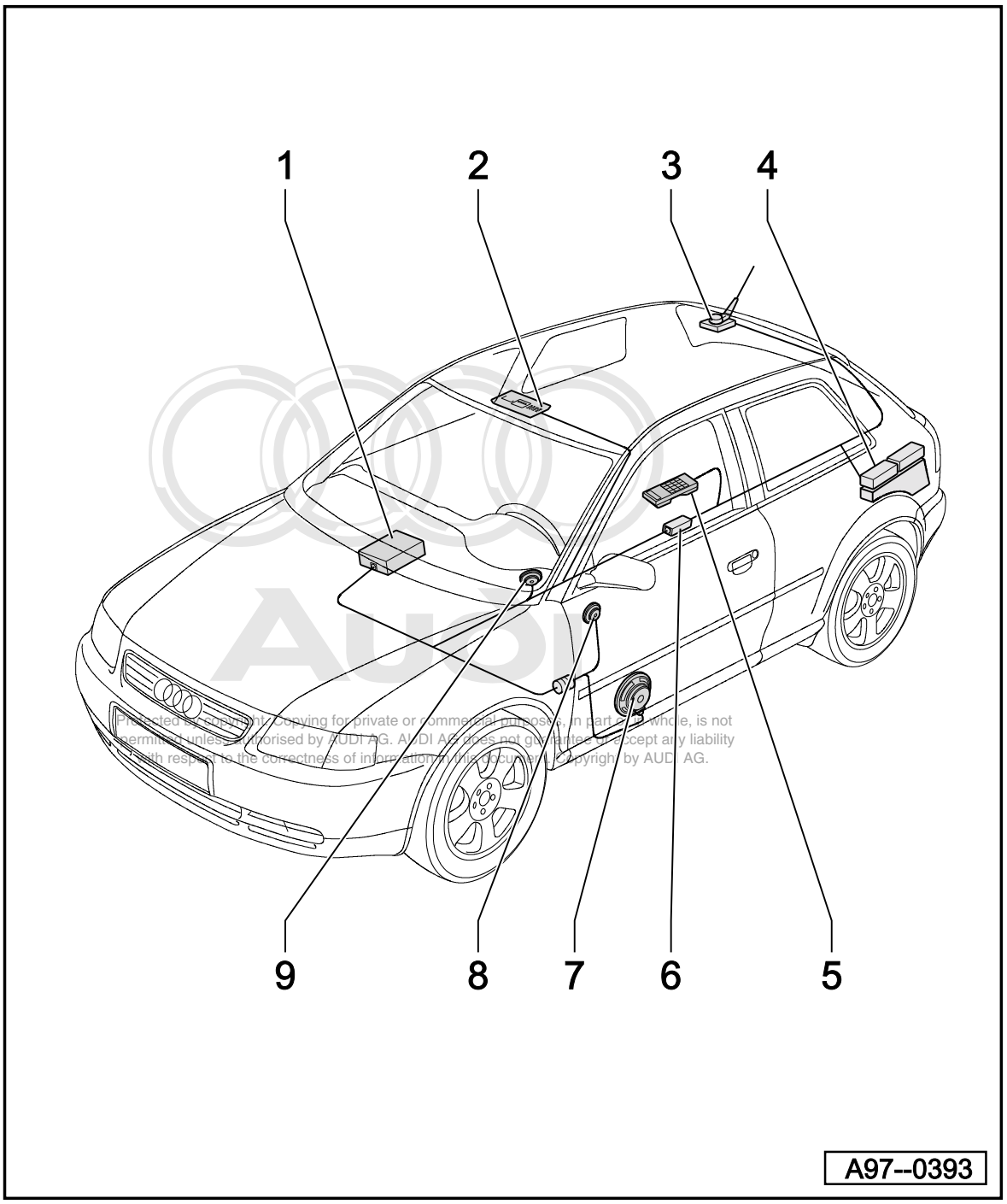
Fitting locations overview

1 - Radio - R
♦ ⇒ Fig. 1, page 9/3

2 - Telephone microphone - R38
♦ ⇒ Fig. 2, page 9/3

3 - Radio/telephone/navigation aerial (GPS) - R52
♦ ⇒ Fig. 3, page 9/3

4 - Aerial amplifier, mobile phone (compensator) - R86
♦ ⇒ Fig. 6, page 9/4



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5 - Mobile telephone - R54
♦ ⇒ Fig. 4, page 9/4

6 - Operating electronics control unit, telephone - J412
♦ ⇒ Fig. 5, page 9/4

7 - Bass loudspeaker - R21, R23
♦ ⇒ Fig. 7, page 9/5

8 - Middle-high tone loudspeaker - R26, R27
♦ ⇒ Fig. 8, page 9/5

9 - Telephone/navigation systems loudspeaker - R39
♦ ⇒ Fig. 9, page 9/5

Passenger compartment

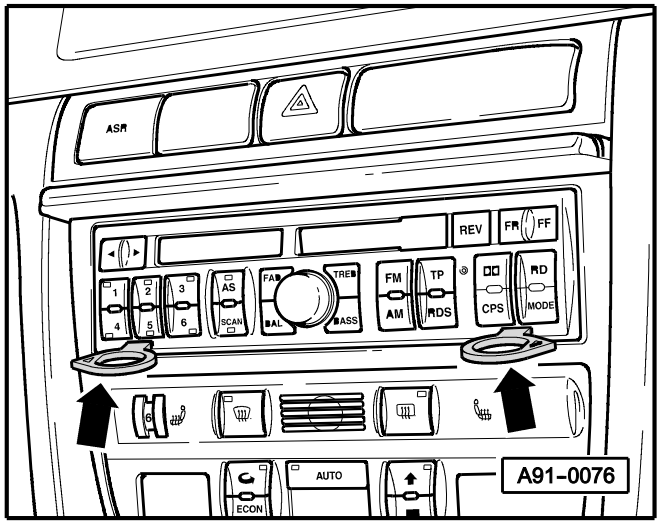


Fig. 1 Radio - R

♦ In centre console

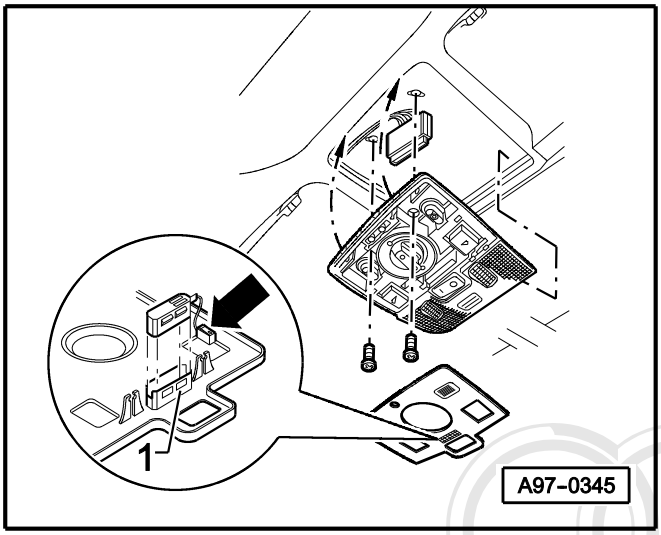


Fig. 2 Telephone microphone - R38

♦ In vehicle roof, front

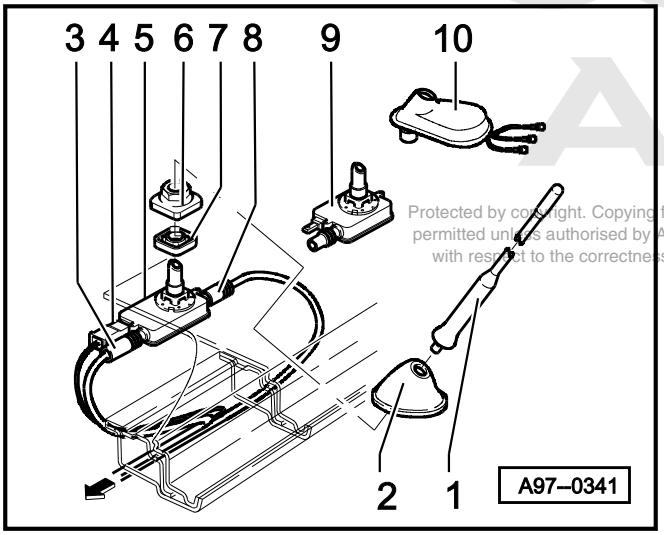


Fig. 3 Radio/telephone/navigation aerial (GPS) - R52

♦ On vehicle roof (item 10)

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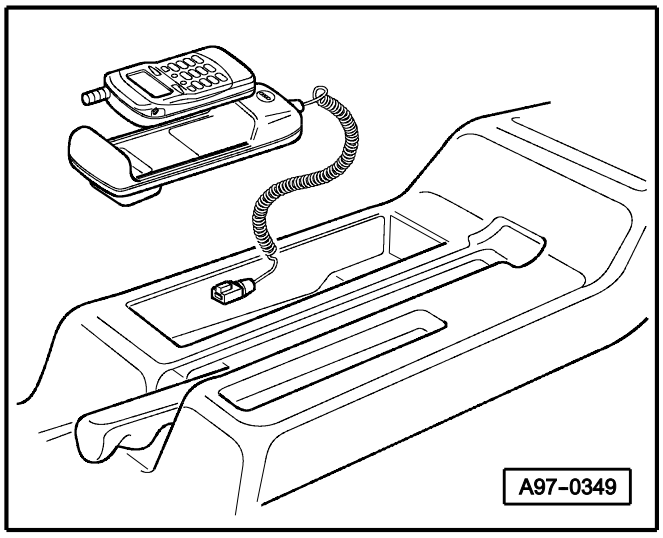


Fig. 4 Mobile telephone - R54

♦ In centre console

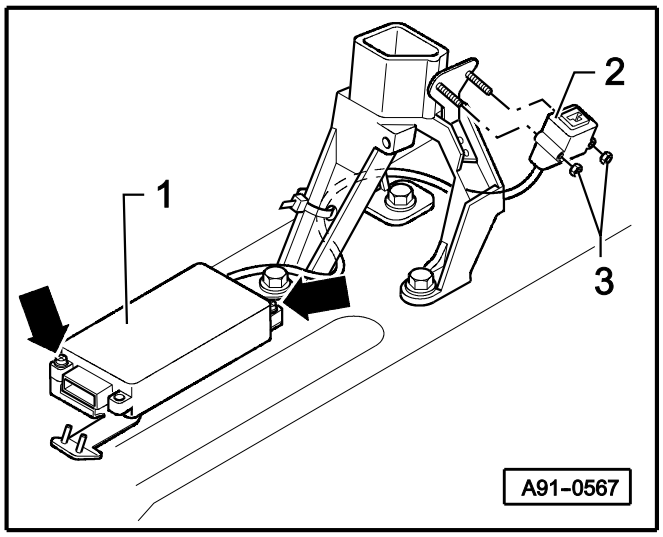


Fig. 5 Operating electronics control unit, telephone - J412

♦ Below centre console, next to handbrake lever (item 1)

Luggage compartment

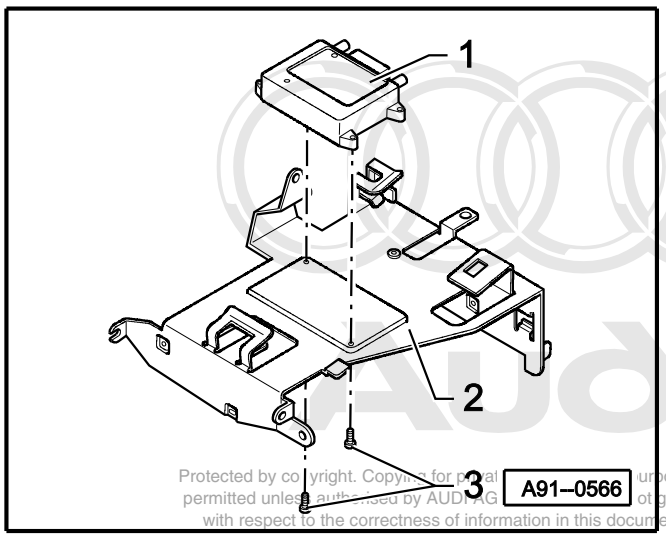


Fig. 6 Aerial amplifier, mobile phone (compensator) - R86

♦ Behind luggage compartment side trim, left

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Loudspeakers

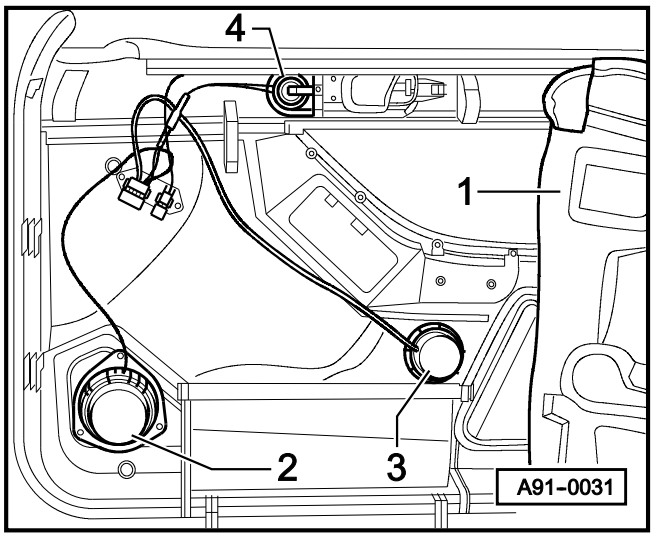


Fig. 7 Bass loudspeaker

Bass loudspeaker, front left - R21

- Behind front left door trim, bottom (item 2)

Bass loudspeaker, front right - R23

- Behind front right door trim, bottom (item 2)

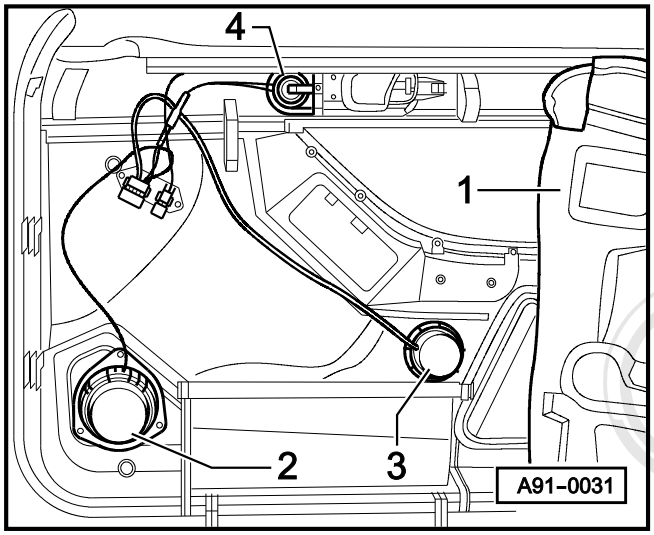


Fig. 8 Middle-high tone loudspeaker

Middle-high tone loudspeaker, front left - R26

- Behind front left door trim, top (item 4)

Middle-high tone loudspeaker, front right - R27

- Behind front right door trim, top (item 4)

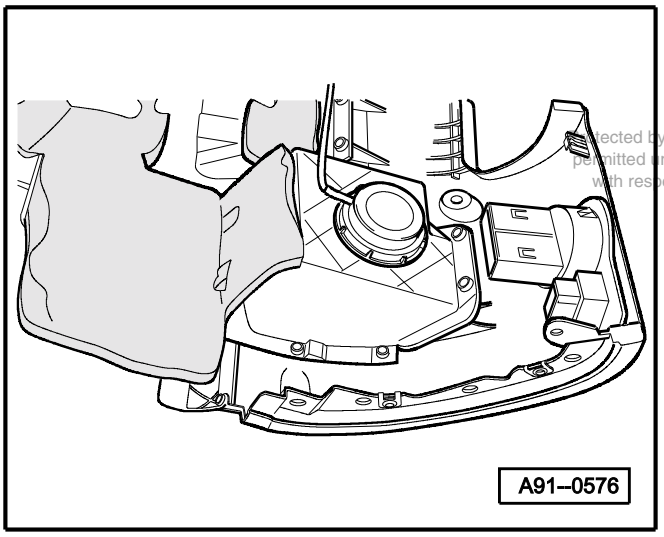


Fig. 9 Telephone/navigation systems loudspeaker - R39

- In driver's storage compartment

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