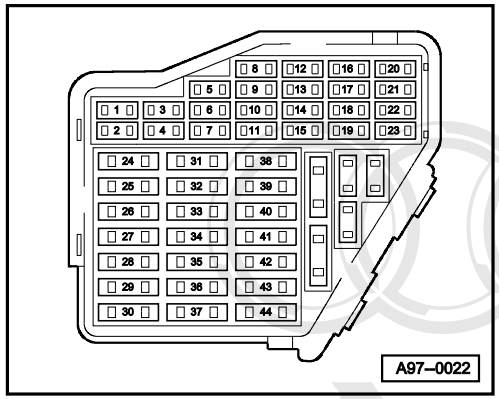
Basic equipment and Audi A3 (1,8 l litre fuel injection engine, 92 kW, Motronic, 4-cylinder) engine codes AGN

From model year 1997

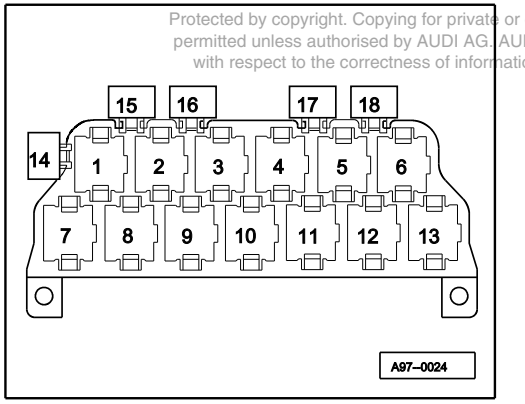
Fuse box:



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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Position of relays:

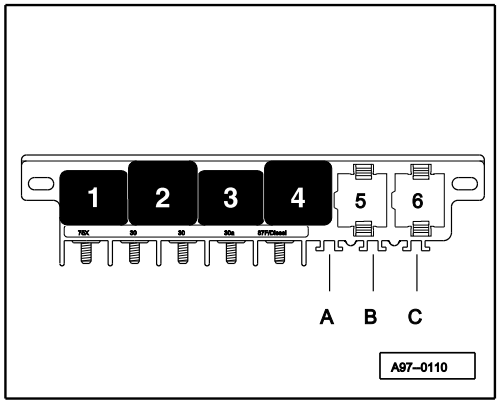
11 - Starter inhibitor and reversing light relay

Fuse colours

30 A - green
25 A - white
20 A - yellow

15 A - blue
10 A - red
5A - beige

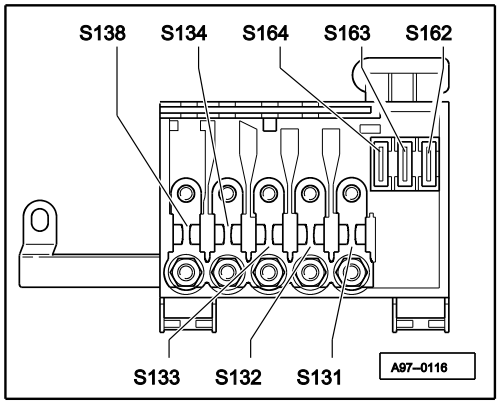
Micro-central electrics:



Position of relays:

1 - Dual tone horn relay
2 - X contact relief relay
3 - Automatic intermittent wash/wipe relay
4 - Fuel pump relay

Main fuse box/battery:



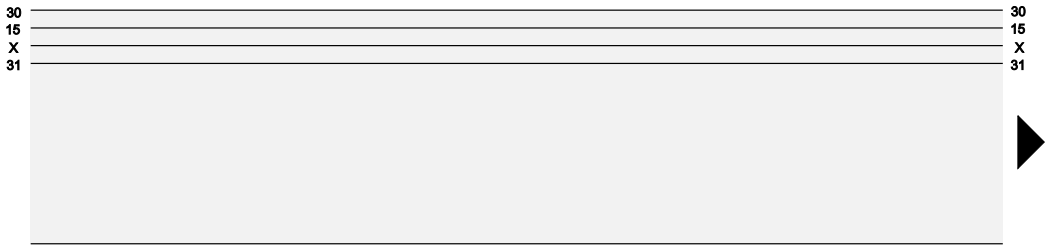
Fuse colours

S131 - Fuse 1
S132 - Fuse 2

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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
S131

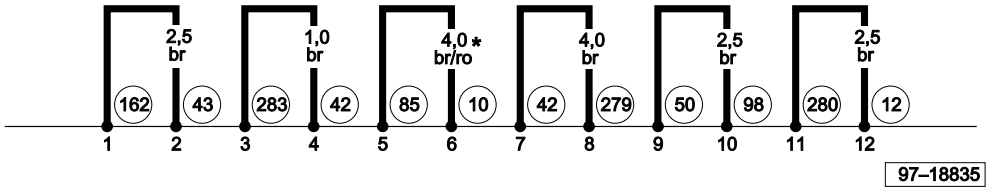
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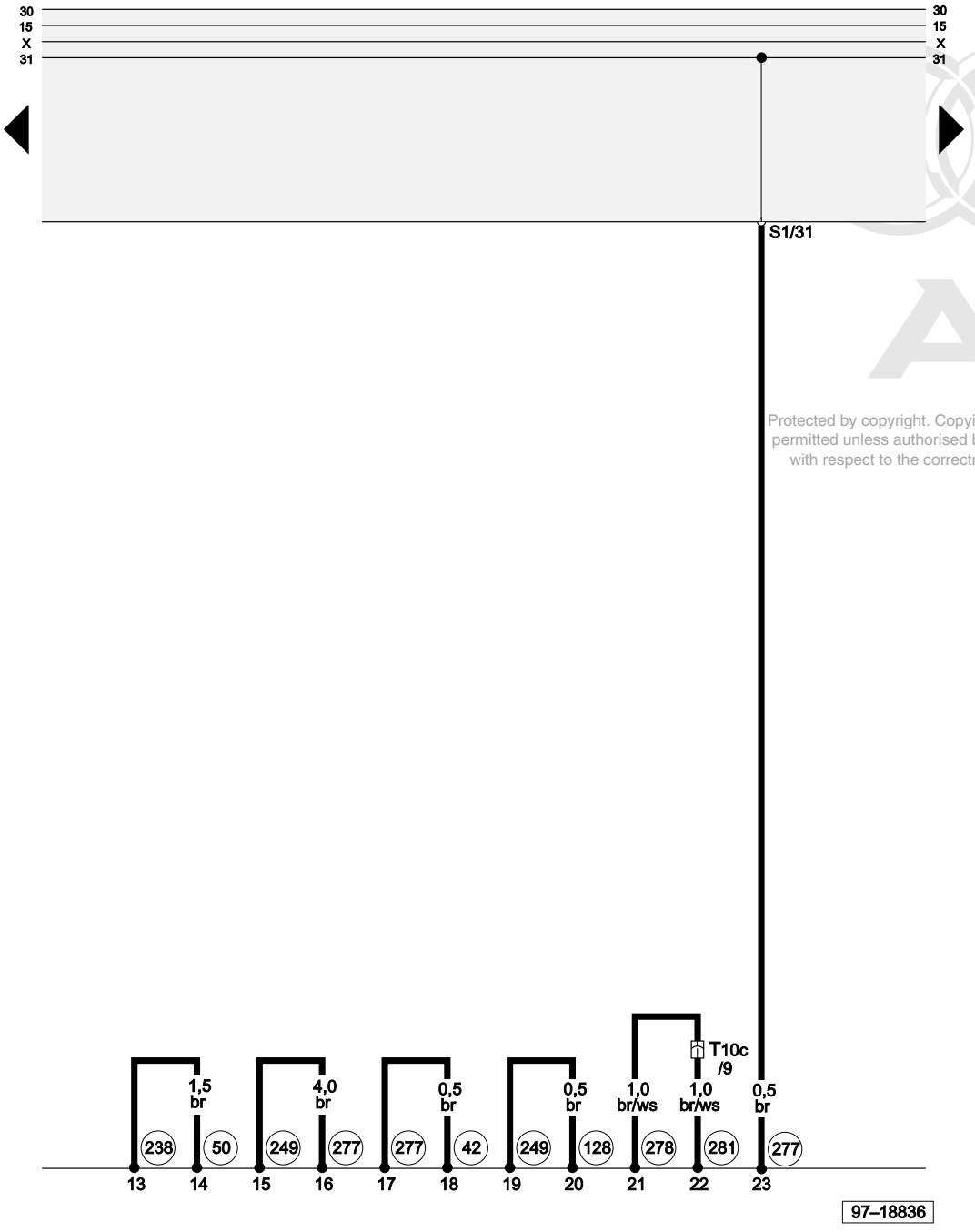
Earth connections

10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
42	Earth point, next to steering column, right
43	Earth point, lower part of right A-pillar
50	Earth point, on left luggage compartment
85	Earth connection -1-, in engine compartment wiring harness
98	Earth connection, in tailgate/boot lid wiring harness
162	Earth connection, in blower motor wiring harness
279	Earth connection --5-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
283	Earth connection -3-, in engine compartment wiring harness
*	Only models with manual gearbox

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br	=	brown
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rs	=	pink



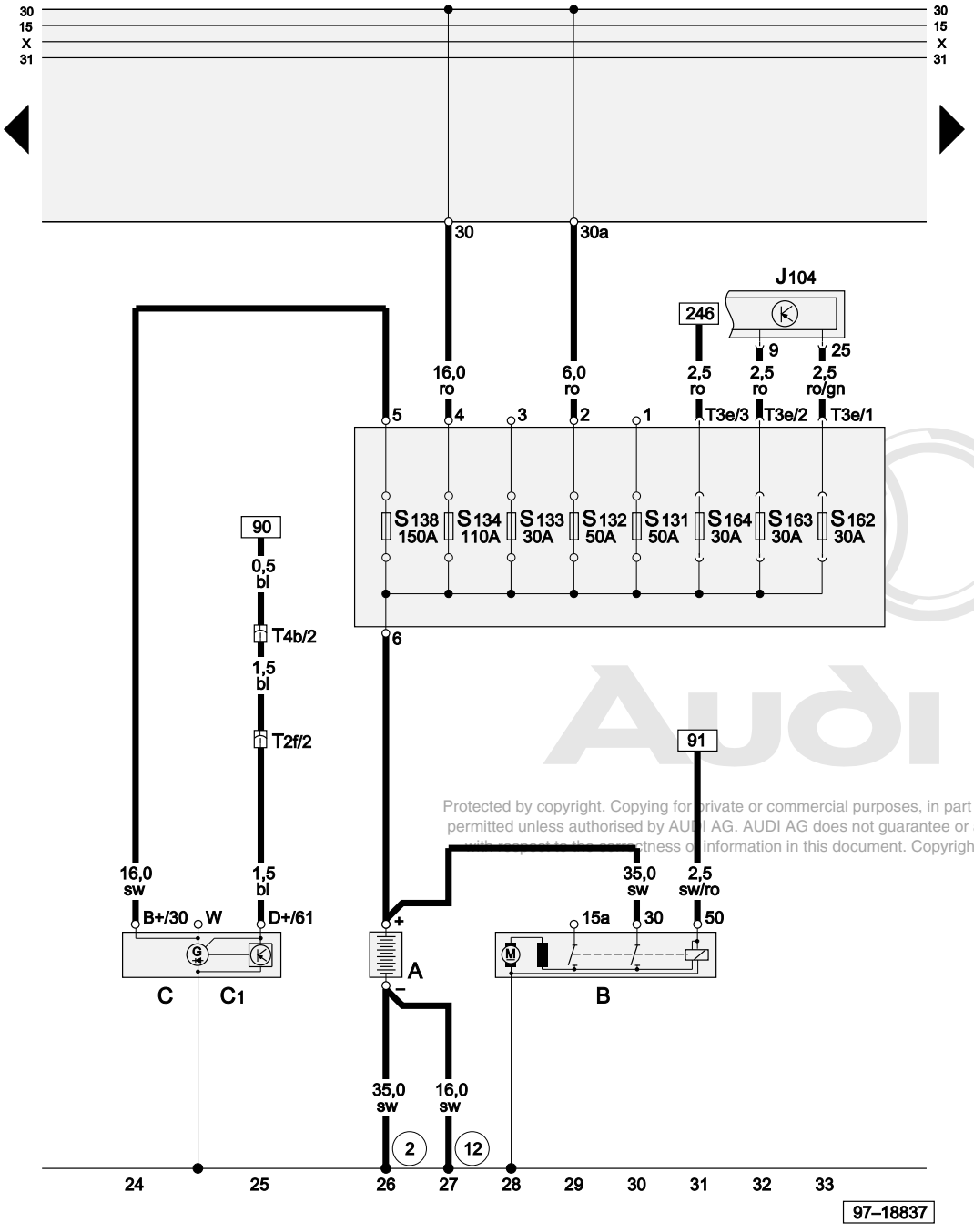
Earth connections

T10c 10-pin connector, black, wiring duct, in engine compartment, left

- 42 Earth point, next to steering column, right
- 50 Earth point, on left luggage compartment
- 128 Earth connection -1-, in interior light wiring harness
- 238 Earth connection -1-, in interior wiring harness
- 249 Earth connection -2-, in interior wiring harness
- 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

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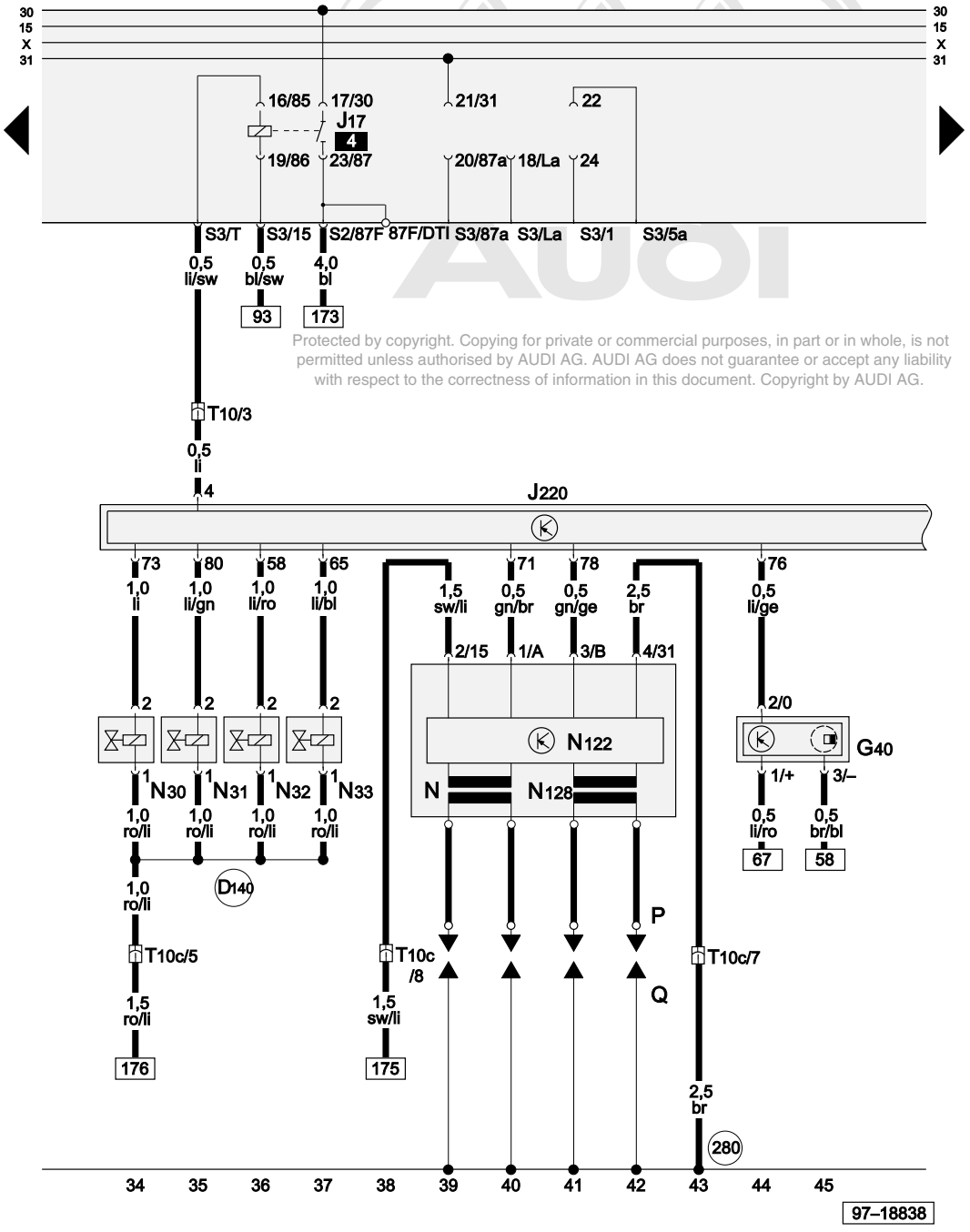


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rs = pink

Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J104	ABS with EDL control unit
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T4b	4-pin connector, in engine compartment, left
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left

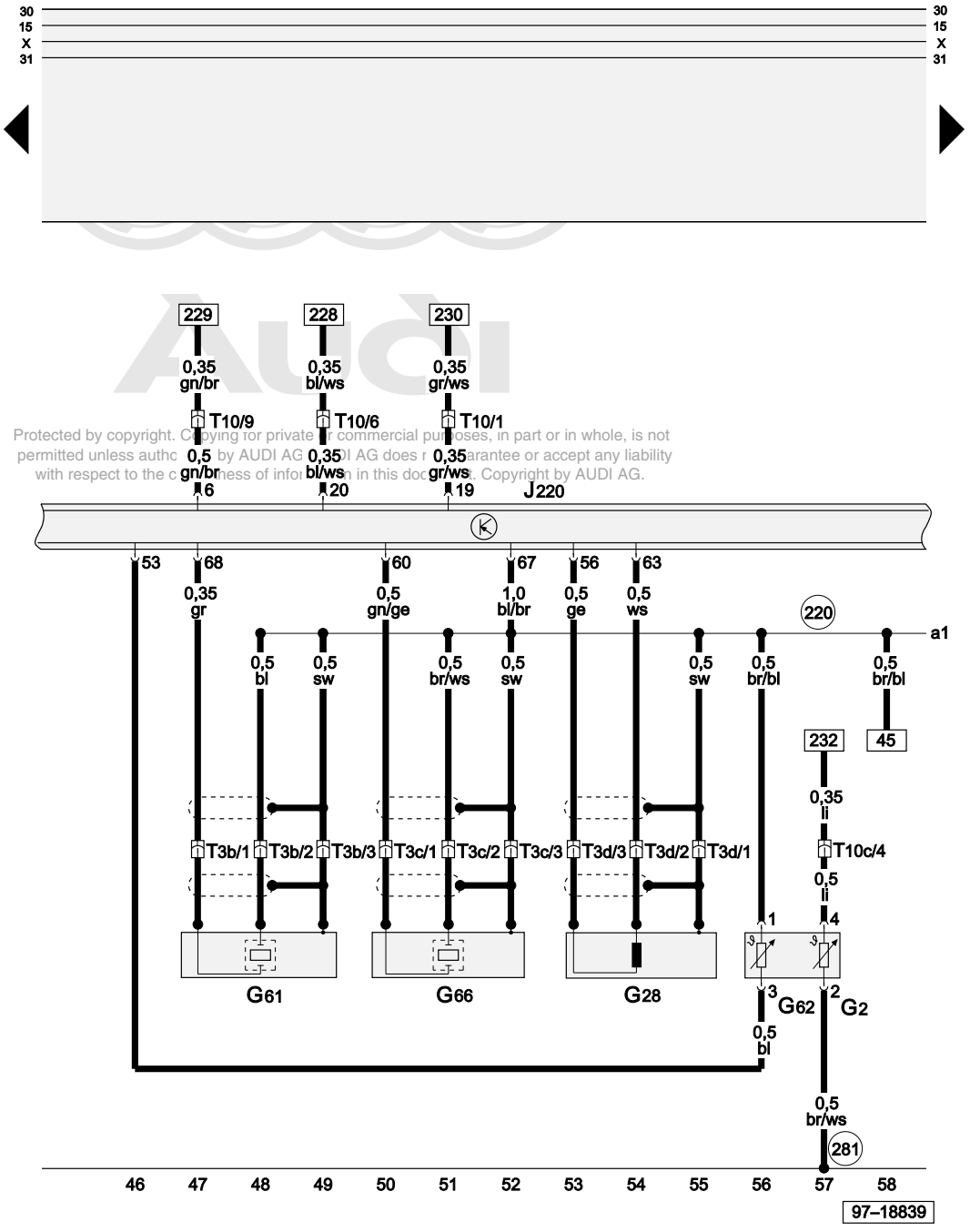


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Motronic control unit, fuel pump relay, injectors, ignition system, Hall sender

G40	Hall sender
J17	Fuel pump relay
J220	Motronic control unit
N	Ignition coil 1
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
280	Earth connection -2-, in engine compartment wiring harness
D140	Connection (injectors), in engine prewiring wiring harness

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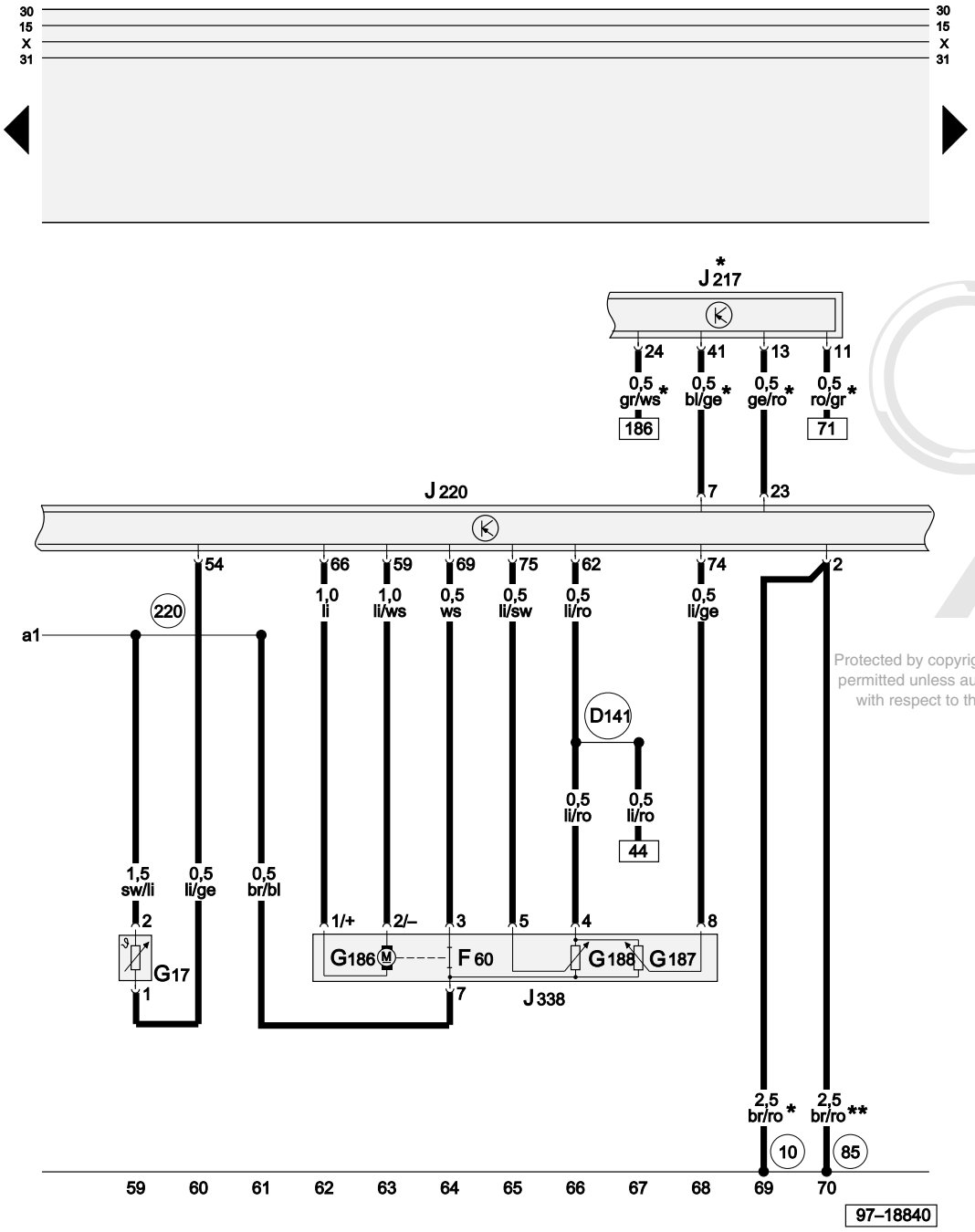


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Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J220	Motronic control unit
T3b	3-pin connector, blue, in engine compartment
T3c	3-pin connector, grey, in engine compartment
T3d	3-pin connector, white, in engine compartment
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
281	Earth connection -1-, in engine prewiring wiring harness

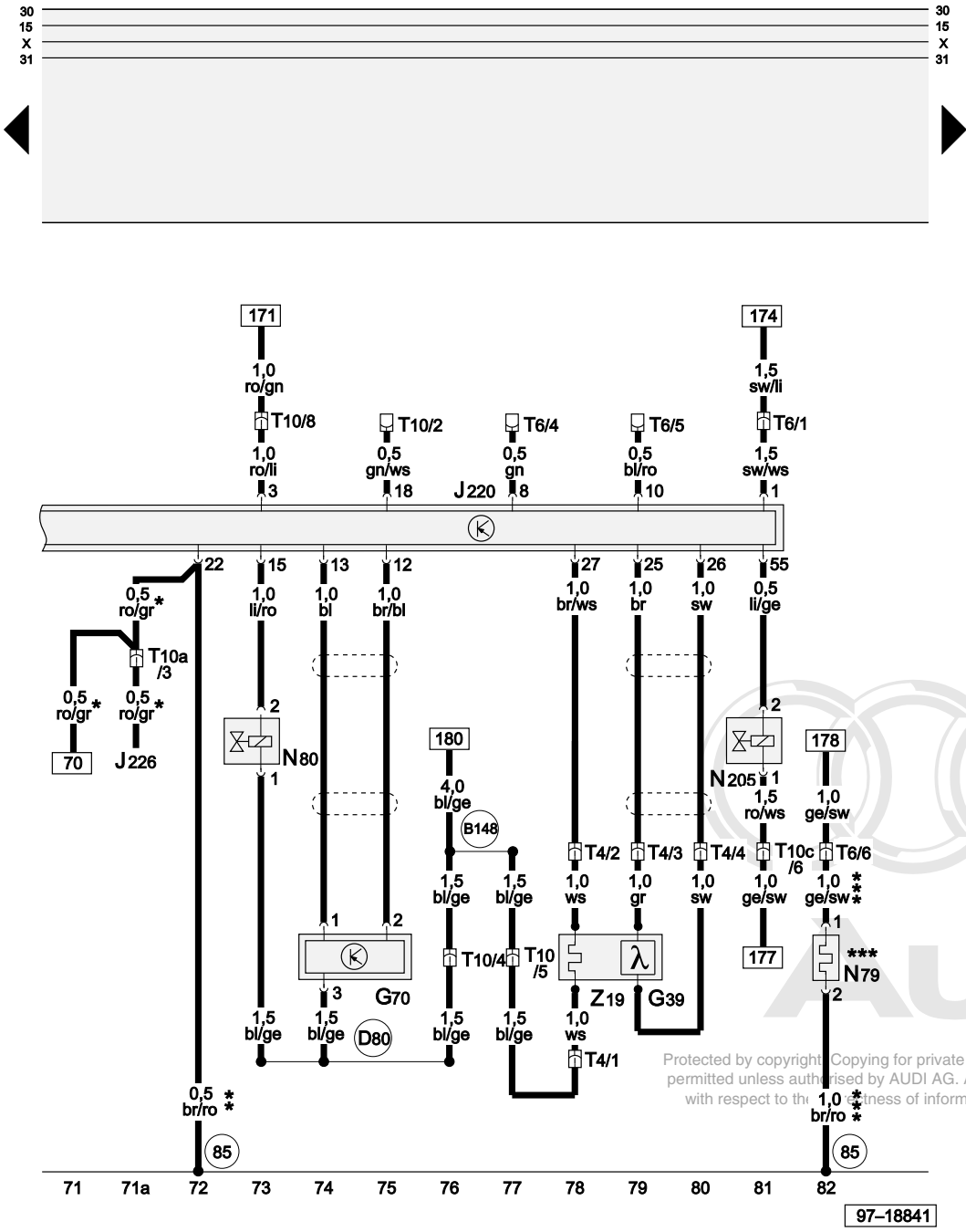


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Motronic control unit, throttle valve control unit, ambient temperature sensor

F60	Idling switch
G17	Ambient temperature sensor
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J217	Automatic gearbox control unit
J220	Motronic control unit
J338	Throttle valve control unit
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox

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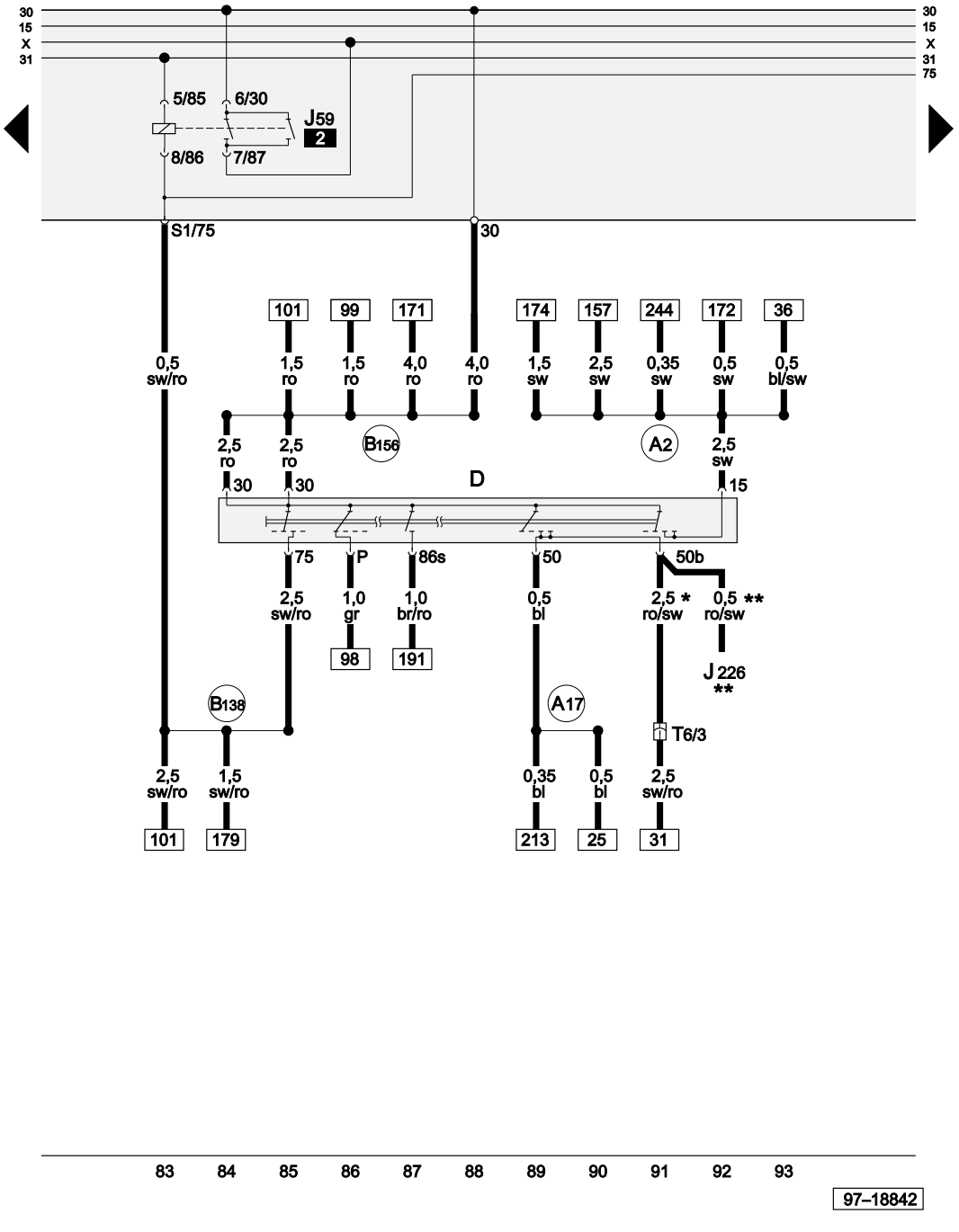


Motronic control unit, lambda probe, air mass meter, inlet camshaft timing adjustment valve, activated charcoal filter system solenoid valve

G39	Lambda probe
G70	Air mass meter
J220	Motronic control unit
J226	Starter inhibitor and reversing light relay
N79	Heater element (crankcase breather)
N80	Activated charcoal filter system solenoid valve 1
N205	Inlet camshaft timing adjustment valve -1-
T4	4-pin connector, in engine compartment, right
T6	6-pin connector, red, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10a	10-pin connector, green, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
Z19	Lambda probe heater
85	Earth connection -1-, in engine compartment wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
B148	Positive (+) connection -3- (87), in interior wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox
***	Export versions (only northern countries)

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sw	=	black
ro	=	red
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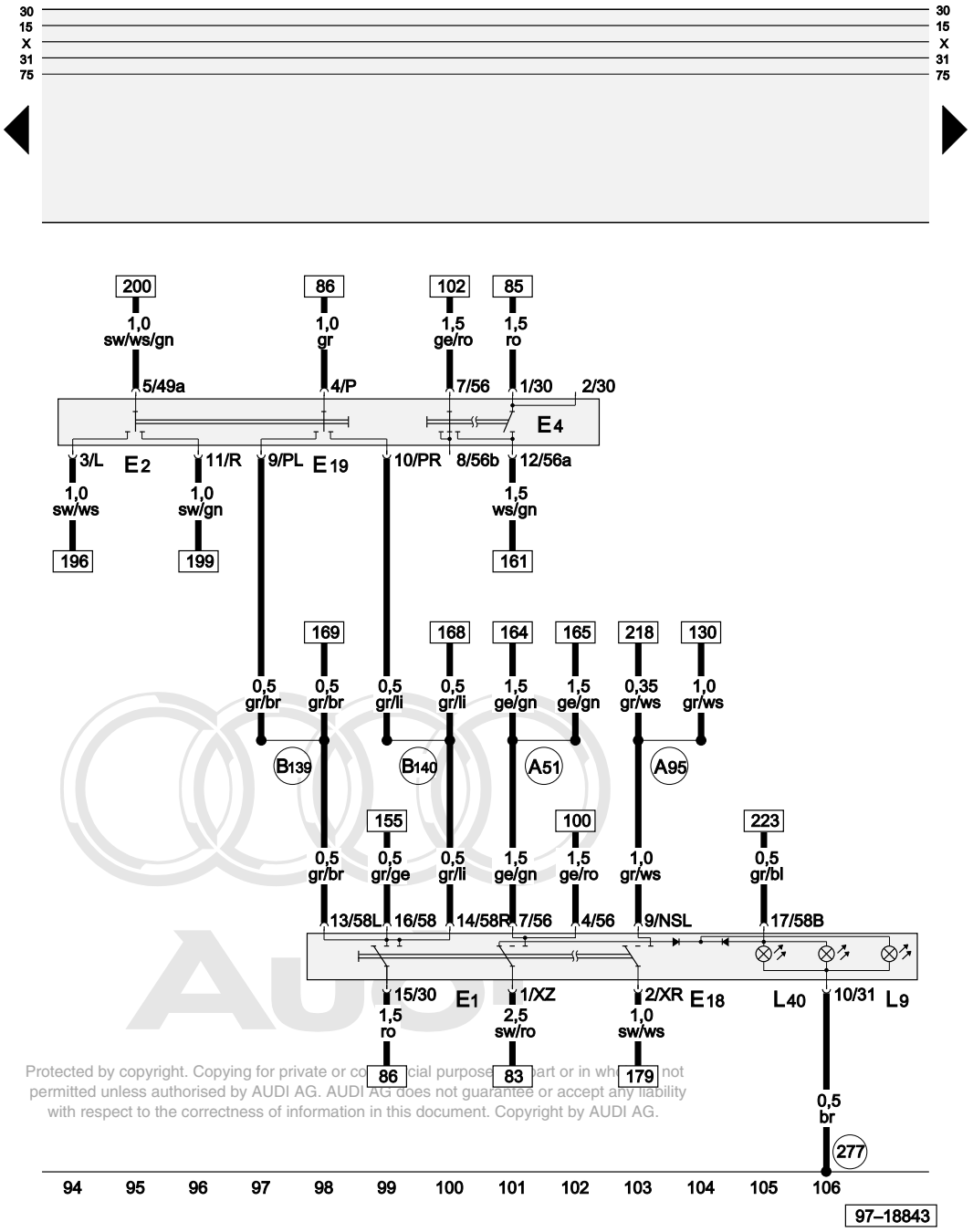


Ignition/starter switch, X contact relief relay

D	Ignition/starter switch
J59	X contact relief relay
J226	Starter inhibitor and reversing light relay
T6	6-pin connector, red, in plenum chamber
A2	Positive (+) connection (15), in dash panel wiring harness
A17	Positive (+) connection (61), in dash panel wiring harness
B138	Positive (+) connection -1- (x), in interior wiring harness
B156	Positive (+) connection -4- (30), in interior wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

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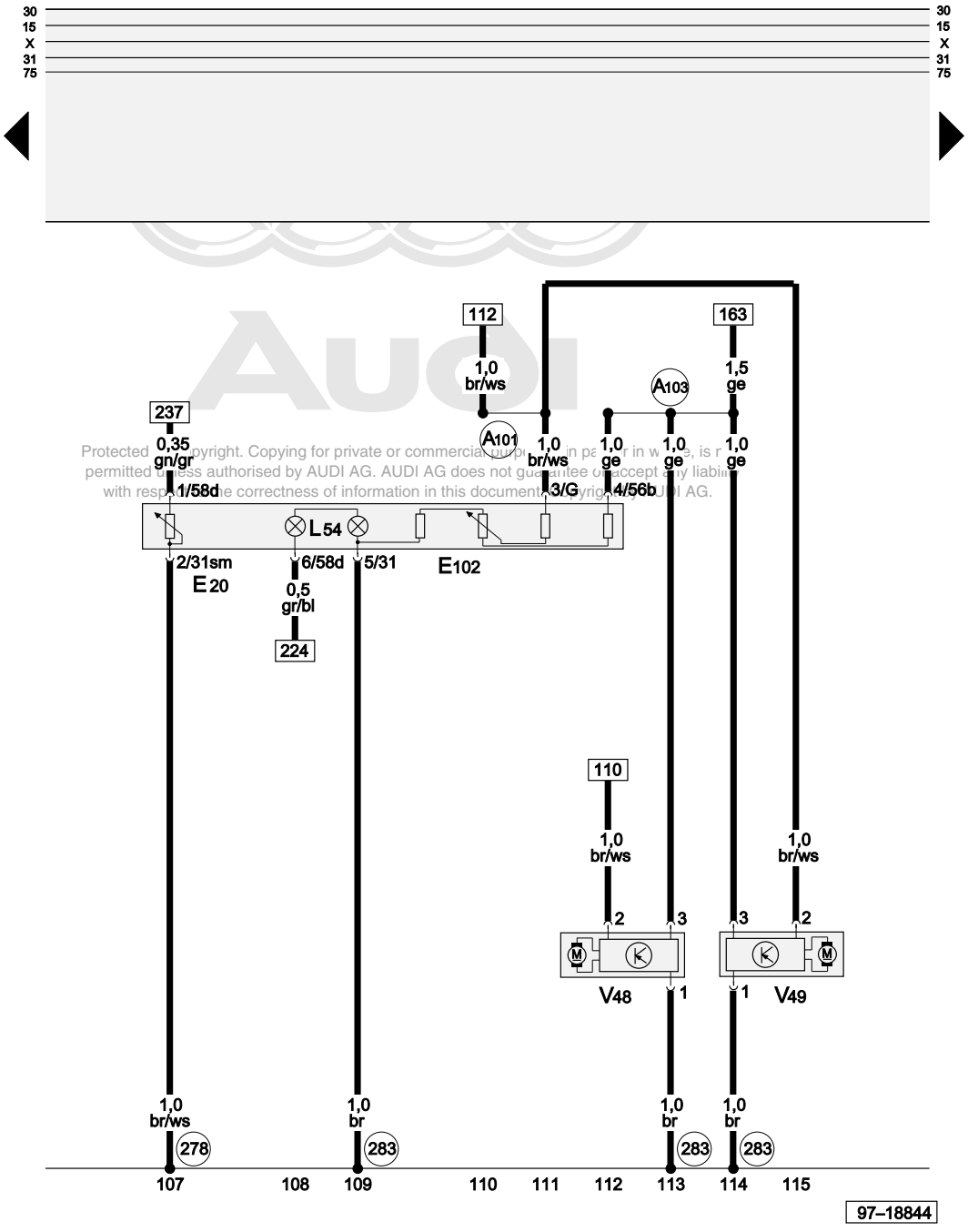


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Lighting switch, steering column switch - left

E1	Lighting switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
E19	Parking light switch
L9	Lighting switch light bulb
L40	Front and rear fog light switch bulb
277	Earth connection --3-, in interior wiring harness
A51	Connection (56), in dash panel wiring harness
A95	Connection (RFL), in dash panel wiring harness
B139	Connection (PLL), in interior wiring harness
B140	Connection (PLR), in interior wiring harness

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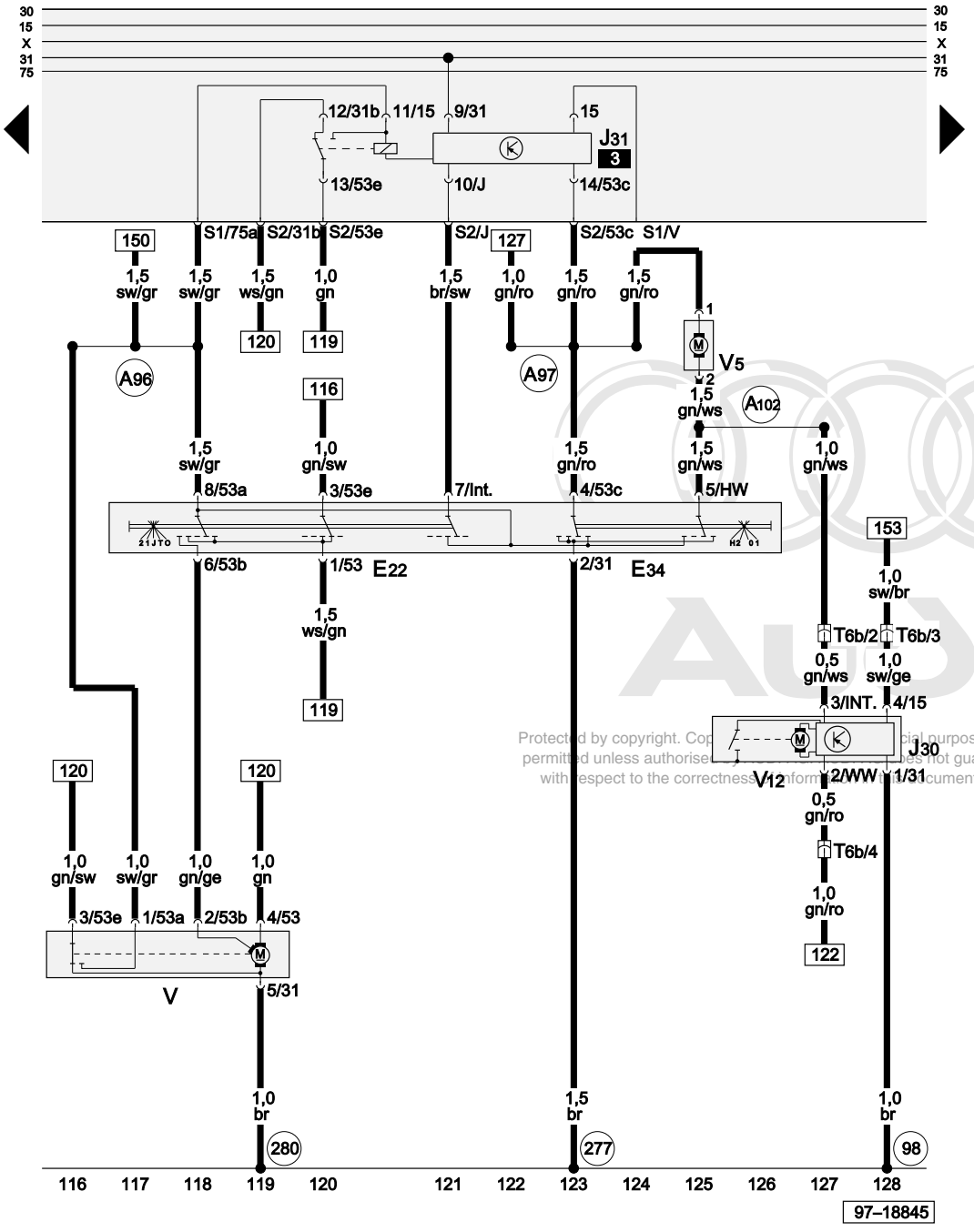


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Switches and instruments - lighting control, headlight range control

E20	Switches and instruments, lighting control
E102	Headlight range control adjuster
L54	Headlight range control adjuster light bulb
V48	Headlight range control motor, left
V49	Headlight range control motor, right
278	Earth connection -4-, in interior wiring harness
283	Earth connection -3-, in engine compartment wiring harness
A101	Connection -3- (87), in dash panel wiring harness
A103	Connection --2- (56), in dash panel wiring harness

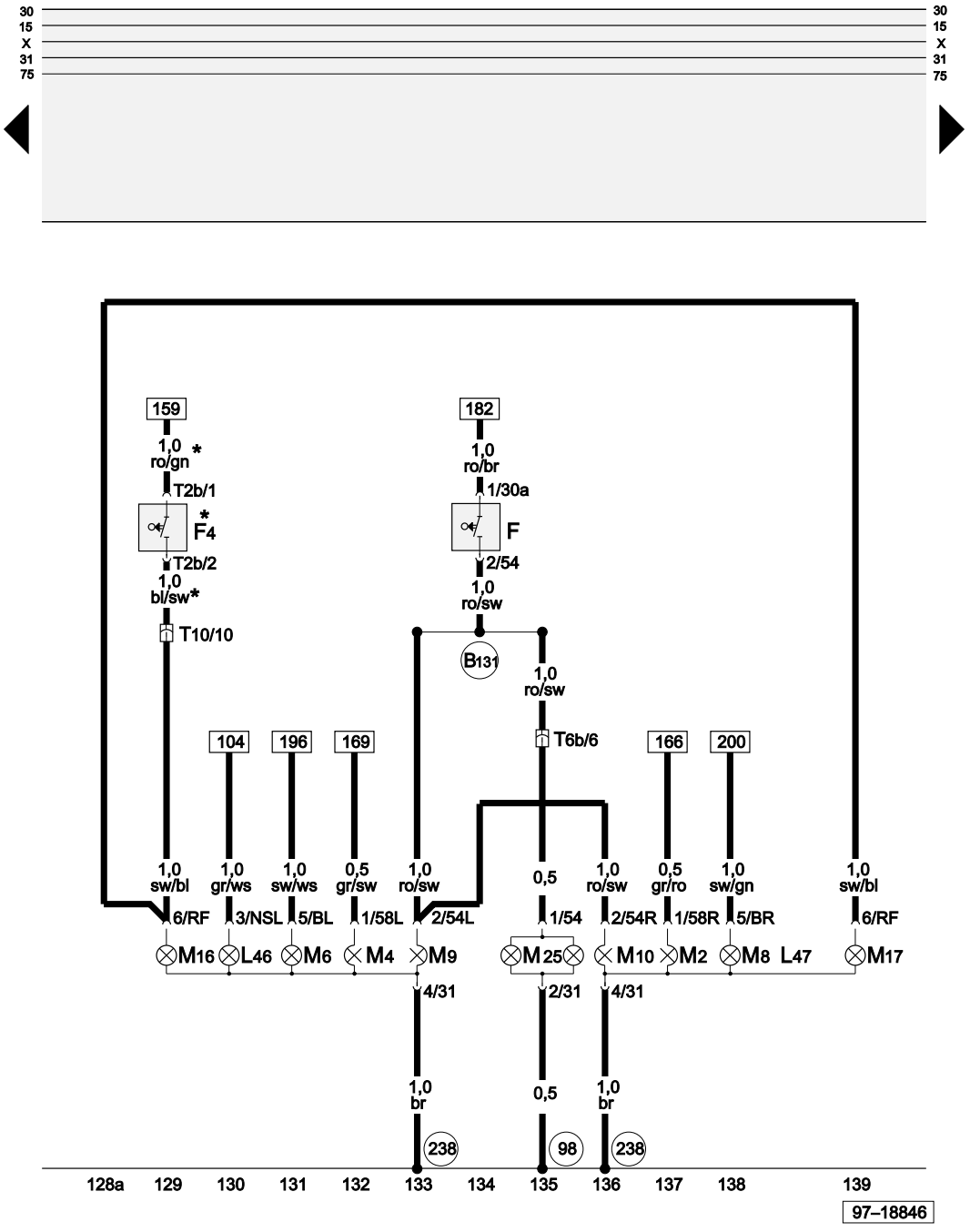


Right steering column switch, windscreen washer/wiper system, rear window wiper

E22	Intermittent wiper switch
E34	Rear wiper switch
J30	Rear window wiper/washer relay
J31	Automatic intermittent wash/wipe relay
T6b	6-pin connector, blue, in luggage compartment, left
V	Windscreen wiper motor
V5	Windscreen washer pump
V12	Rear window wiper motor
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection --3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A96	Connection (53a), in dash panel wiring harness
A97	Connection (53), in dash panel wiring harness
A102	Connection (windscreen wiper), in dash panel wiring harness

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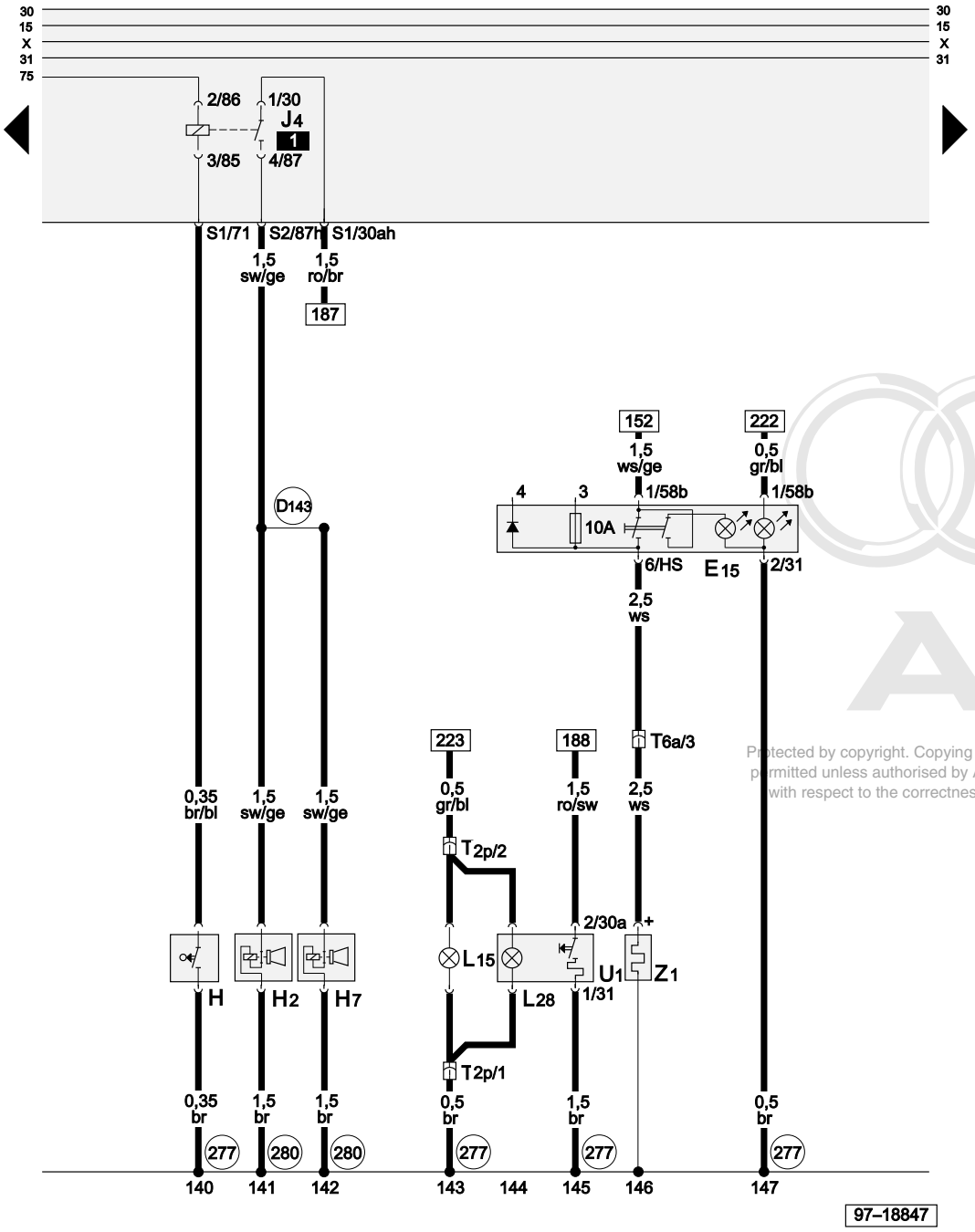


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Tail lights, brake lights, reversing lights, rear fog light

F	Brake light switch
F4	Reversing light switch
L46	Rear fog light bulb, left
L47	Rear fog light bulb, right
M2	Tail light bulb, right
M4	Tail light bulb, left
M6	Turn signal bulb, rear left
M8	Turn signal bulb, rear right
M9	Brake light bulb, left
M10	Brake light bulb, right
M16	Reversing light bulb, left
M17	Reversing light bulb, right
M25	High level brake light bulb
T6b	6-pin connector, blue, in luggage compartment, left
T10	10-pin connector, white, in plenum chamber
98	Earth connection, in tailgate/boot lid wiring harness
238	Earth connection -1-, in interior wiring harness
B131	Positive (+) connection (54), in interior wiring harness
*	Only models with manual gearbox

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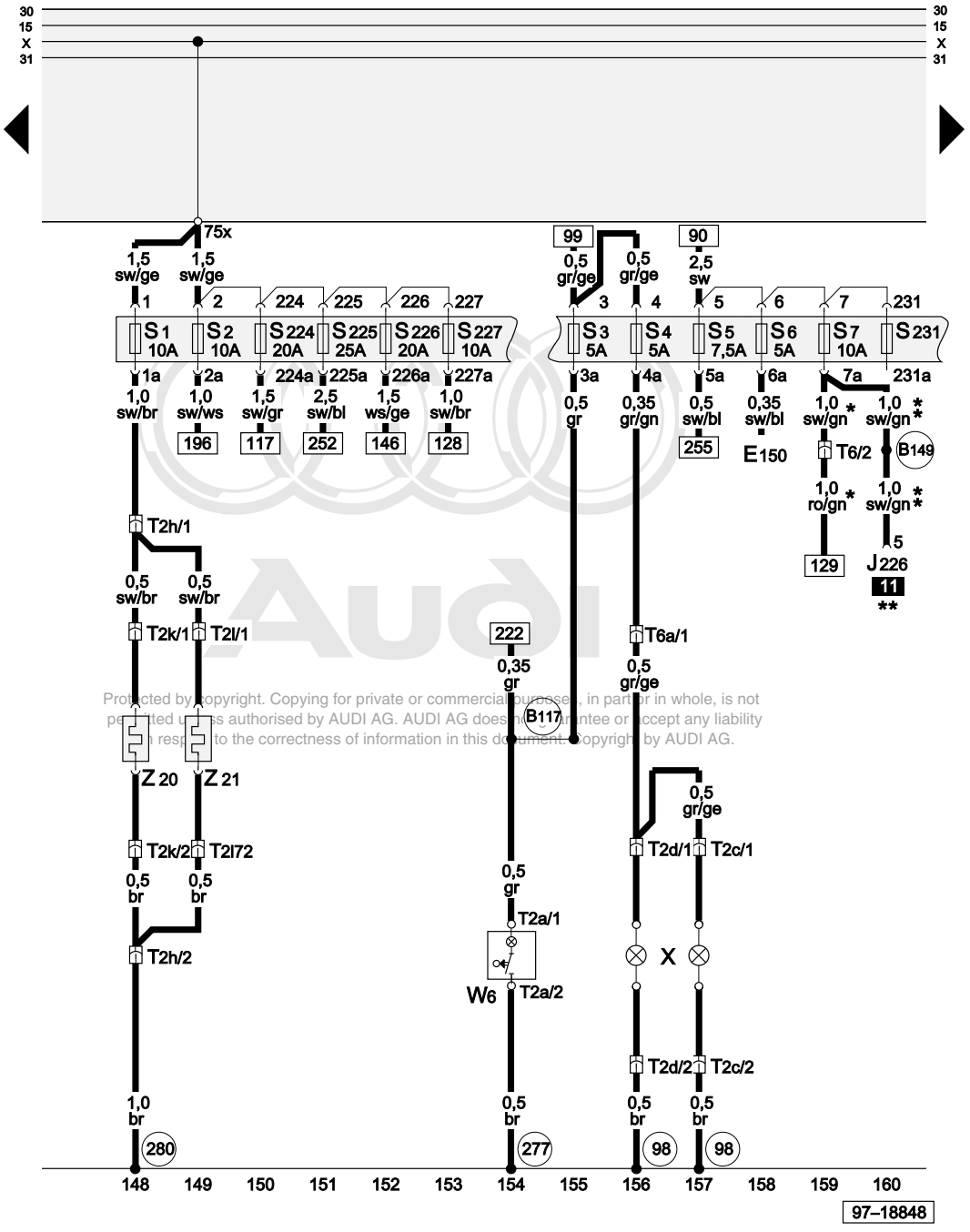


Horn plate, heated rear window, cigarette lighter, illuminated ashtray

E15	Heated rear window switch
H	Horn plate
H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
L15	Ashtray light bulb
L28	Cigarette lighter light bulb
T2p	2-pin connector, behind console
T6a	6-pin connector, black, in luggage compartment, left
U1	Cigarette lighter
Z1	Heated rear window
277	Earth connection --3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
D143	Connection (71), in engine compartment wiring harness

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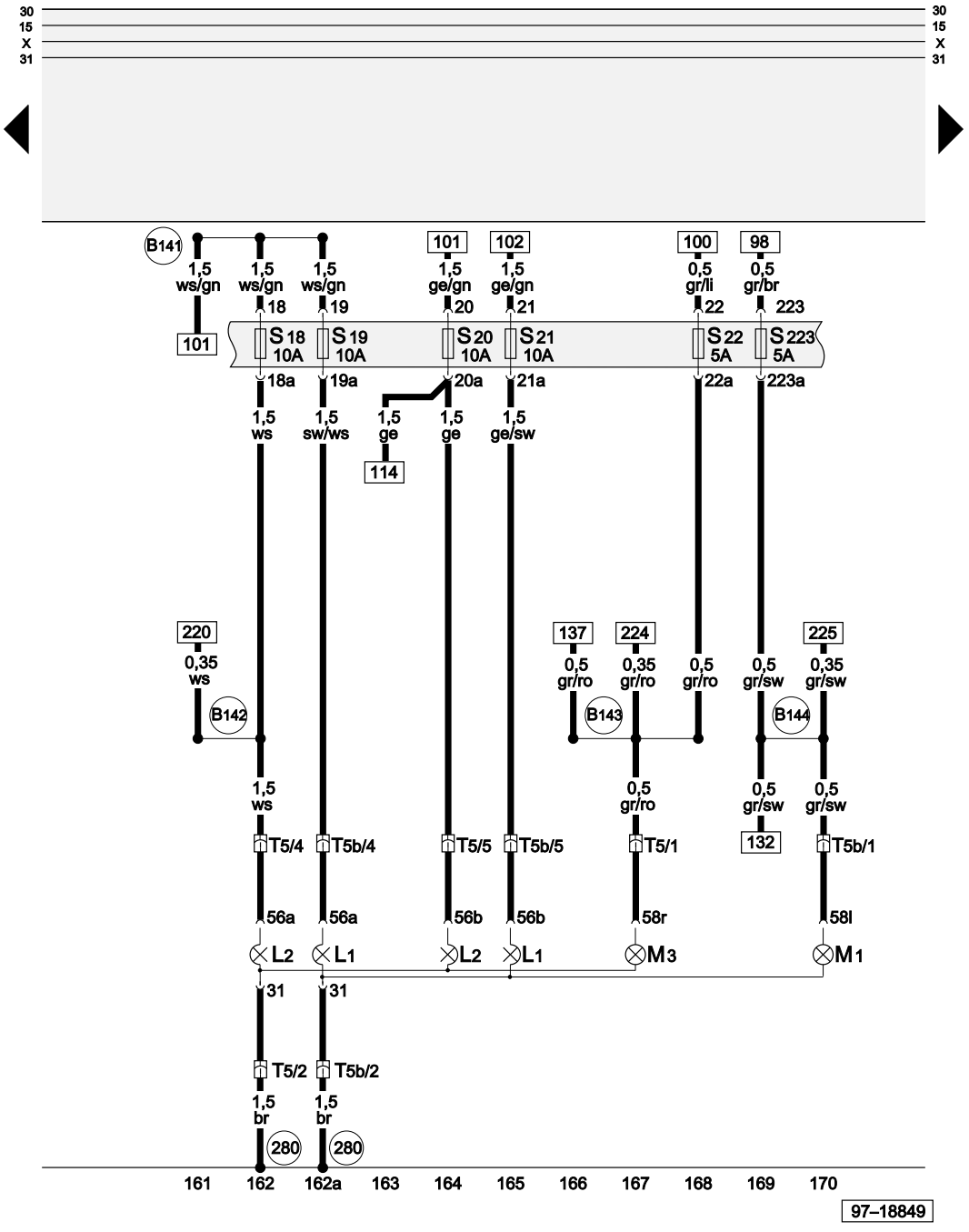


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Fuse box, number plate light, glove box light, heated washer jets

E150	Interior locking switch
J226	Starter inhibitor and reversing light relay
T2a	2-pin connector, black, behind side of dash panel, right
T2c	2-pin connector, black, in tailgate/boot lid, right
T2d	2-pin connector, black, in tailgate/boot lid, left
T2h	2-pin connector, on plenum chamber, right
T2k	2-pin connector, black, on bonnet
T2l	2-pin connector, black, on bonnet
T6	6-pin connector, red, in plenum chamber
T6a	6-pin connector, black, in luggage compartment, left
W6	Glove box light
X	Number plate light
Z20	Heater element, left washer jet
Z21	Heater element, right washer jet
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection --3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
B117	Positive (+) connection (58a), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

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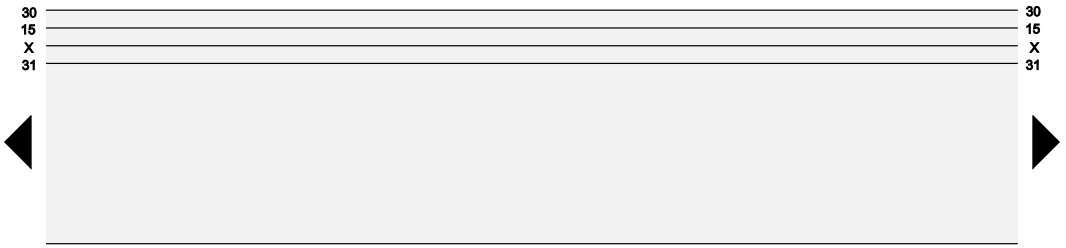


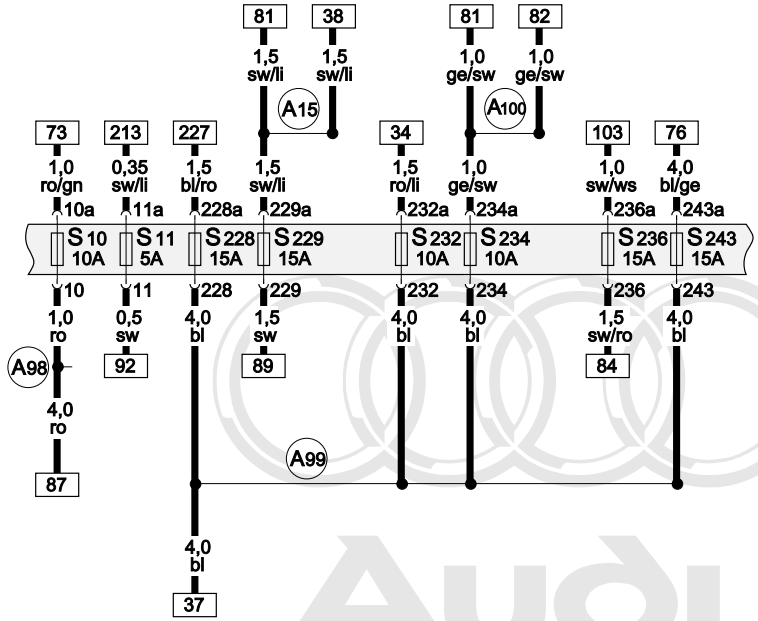
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Fuse box, headlights

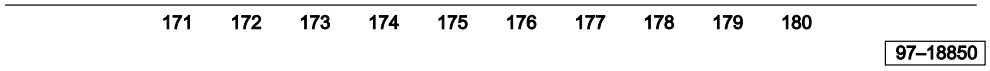
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M1	Side light bulb, left
M3	Side light bulb, right
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
280	Earth connection -2-, in engine compartment wiring harness
B141	Positive (+) connection -2- (56a), in interior 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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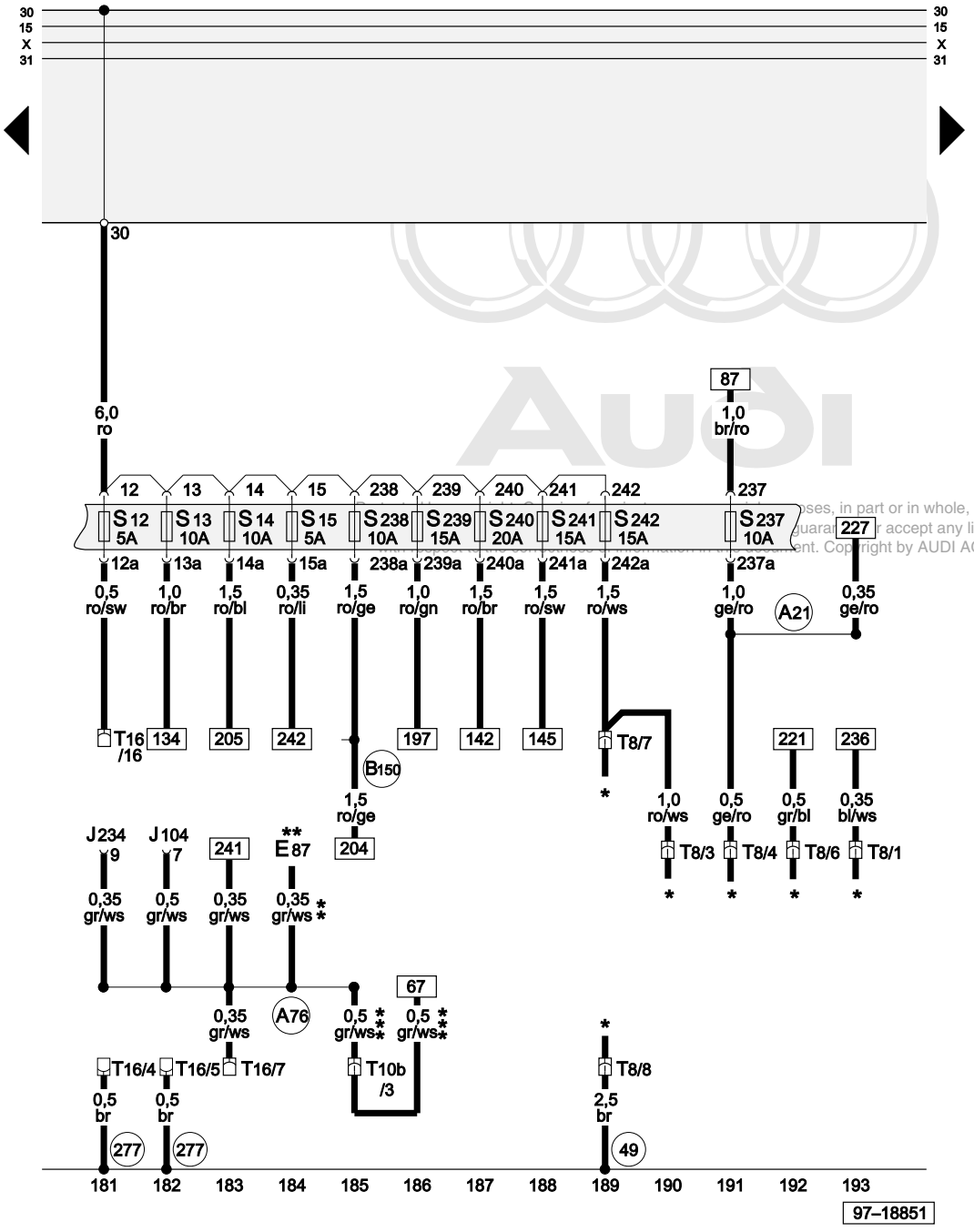
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Fuse box

A15	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A100	Connection -2- (87), 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
rs	=	pink

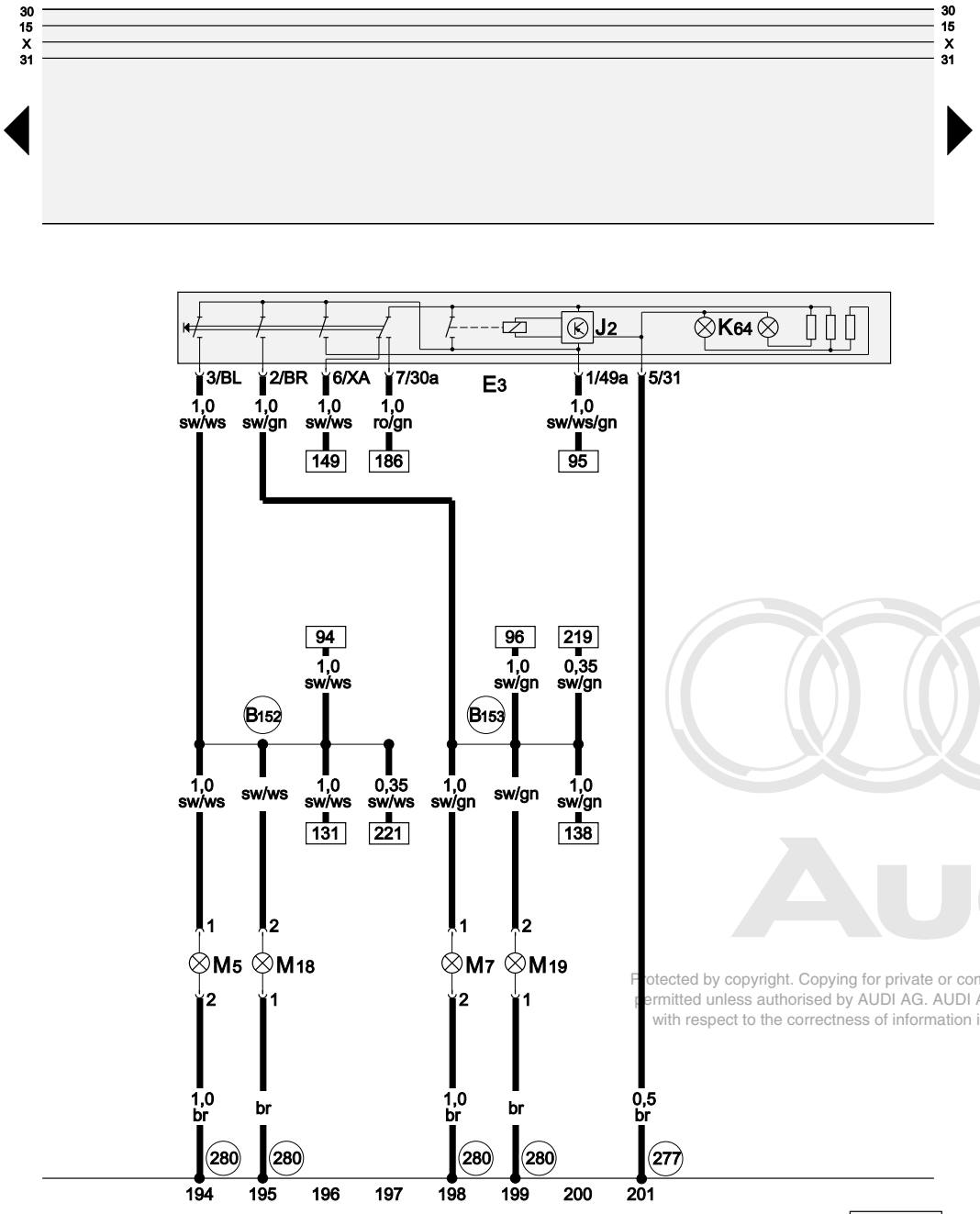


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Fuse box, diagnostic connector, provision for radio

E87	Control and display unit for air conditioner
J104	ABS with EDL control unit
J234	Airbag control unit
T8	8-pin connector, near radio
T10b	10-pin connector, grey, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnosis connector)
49	Earth point, next to steering columm, left
277	Earth connection --3-, in interior wiring harness
A21	Positive (+) connection (86s), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
*	See applicable radio Current flow diagram
**	Only models with air conditioner
***	Only models with automatic gearbox

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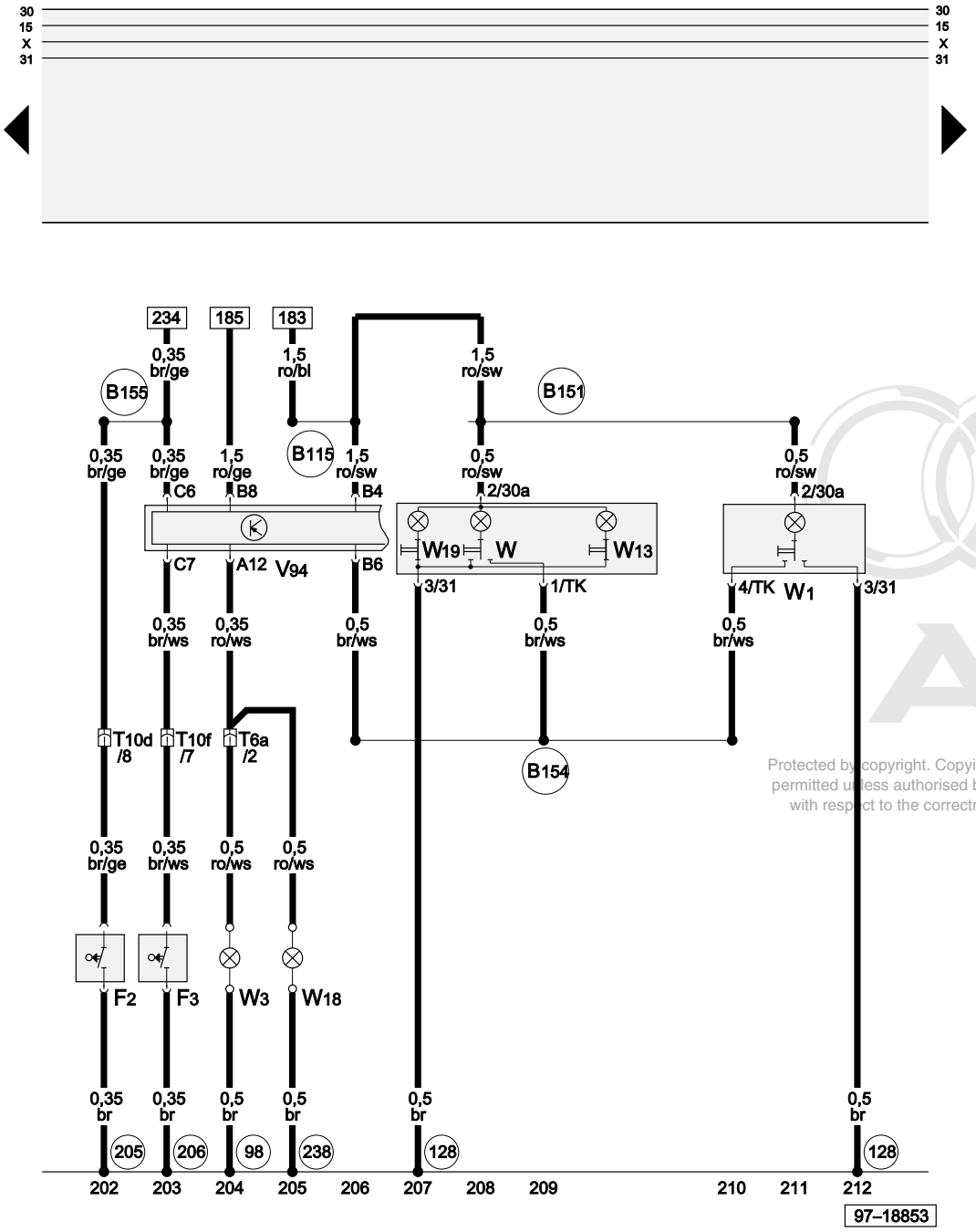


Turn signals and hazard warning lights

E3	Hazard warning light switch
J2	Hazard warning light relay
K64	Hazard warning light system warning lamp
M5	Turn signal bulb, front left
M7	Turn signal bulb, front right
M18	Side turn signal bulb, left
M19	Side turn signal bulb, right
277	Earth connection --3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (56b), in interior wiring harness

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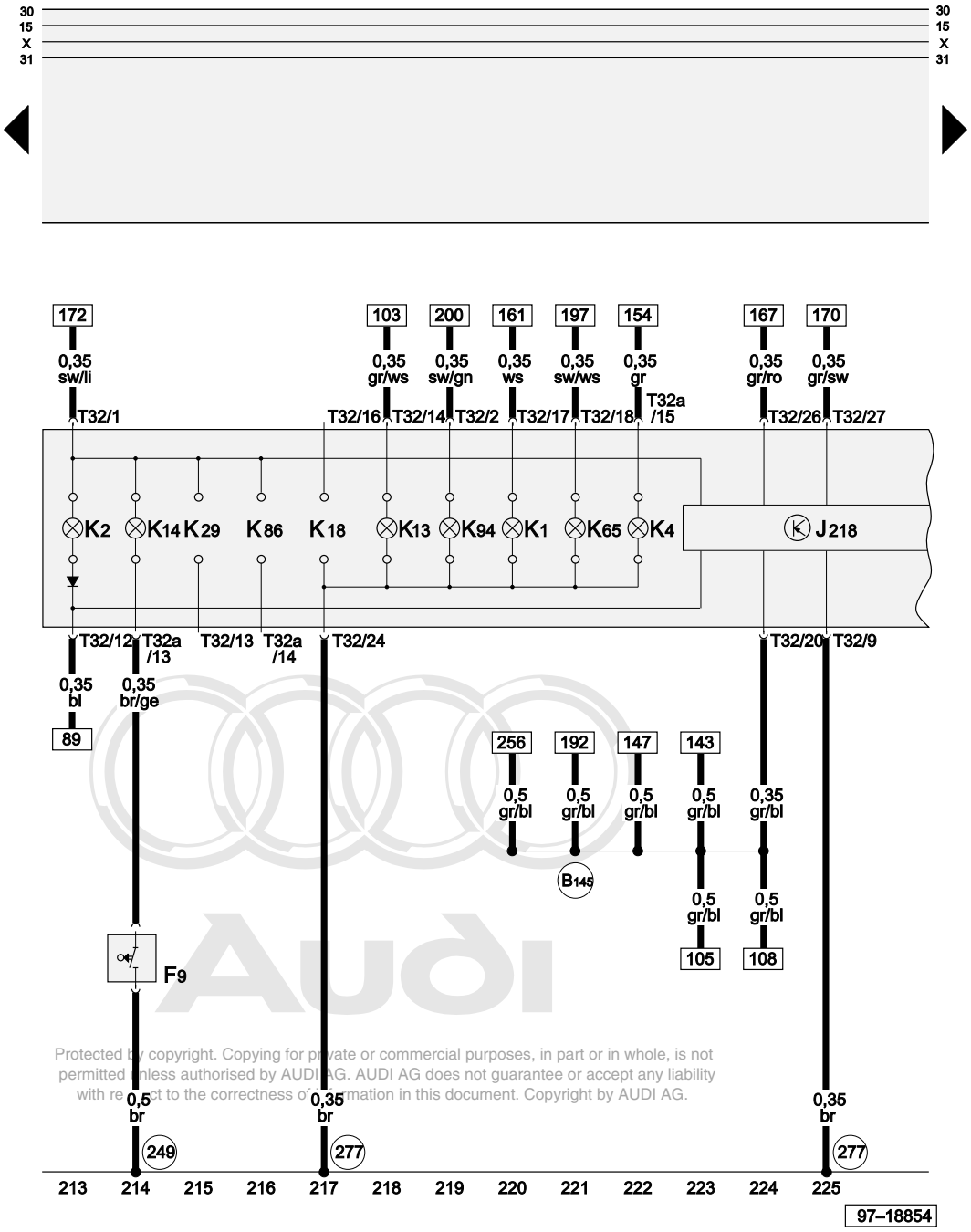


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Interior lights, luggage compartment lights, door contact switch

F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
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
W	Interior light, front
W1	Rear interior light
W3	Luggage compartment light, right
W13	Reading light, front passenger's side
W18	Luggage compartment light, left
W19	Reading light, driver's side
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
B115	Positive (+) connection (30a), in interior wiring harness
B151	Positive (+) connection -3- (30a), in interior wiring harness
B154	Connection -1- (DC), in interior wiring harness
B155	Positive (+) connection -2- (DC), in interior wiring harness

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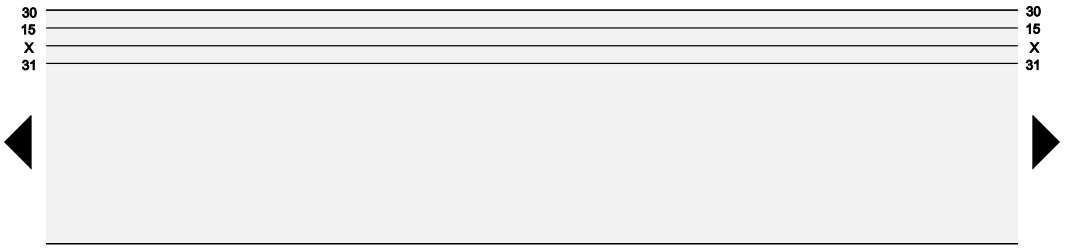


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Dash panel insert, combi-processor in dash panel insert, handbrake warning

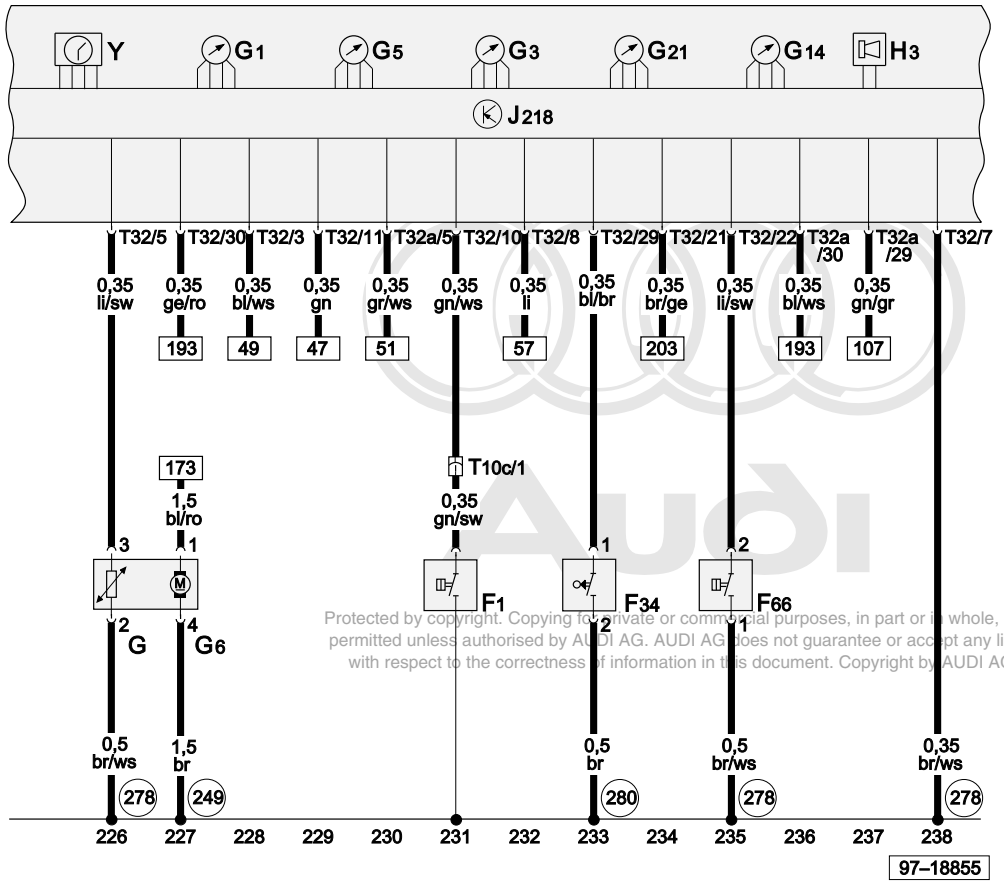
F9	Handbrake warning switch
J218	Combi-processor in dash panel insert
K1	Main beam warning lamp
K2	Alternator warning lamp
K4	Side light warning lamp
K13	Rear fog light warning lamp
K14	Handbrake warning lamp
K18	Trailer operation warning lamp
K29	Glow period warning lamp
K65	Left turn signal warning lamp
K86	Traction control system warning lamp
K94	Right turn signal 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
277	Earth connection --3-, in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness

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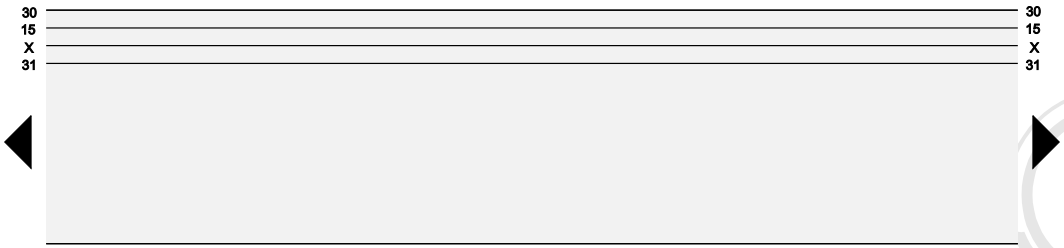
Dash panel insert, combi-processor in dash panel insert, rev. counter, speedometer, fuel gauge, fuel pump, coolant shortage indicator, oil pressure switch, analogue clock

F1	Oil pressure switch
F34	Brake fluid level warning contact
F66	Coolant shortage indicator switch
G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G5	Rev. counter
G6	Fuel pump
G14	Voltmeter
G21	Speedometer
H3	Buzzer/gong
J218	Combi-processor in dash panel insert
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
Y	Analogue clock
249	Earth connection -2-, in interior wiring harness
278	Earth connection -4-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness



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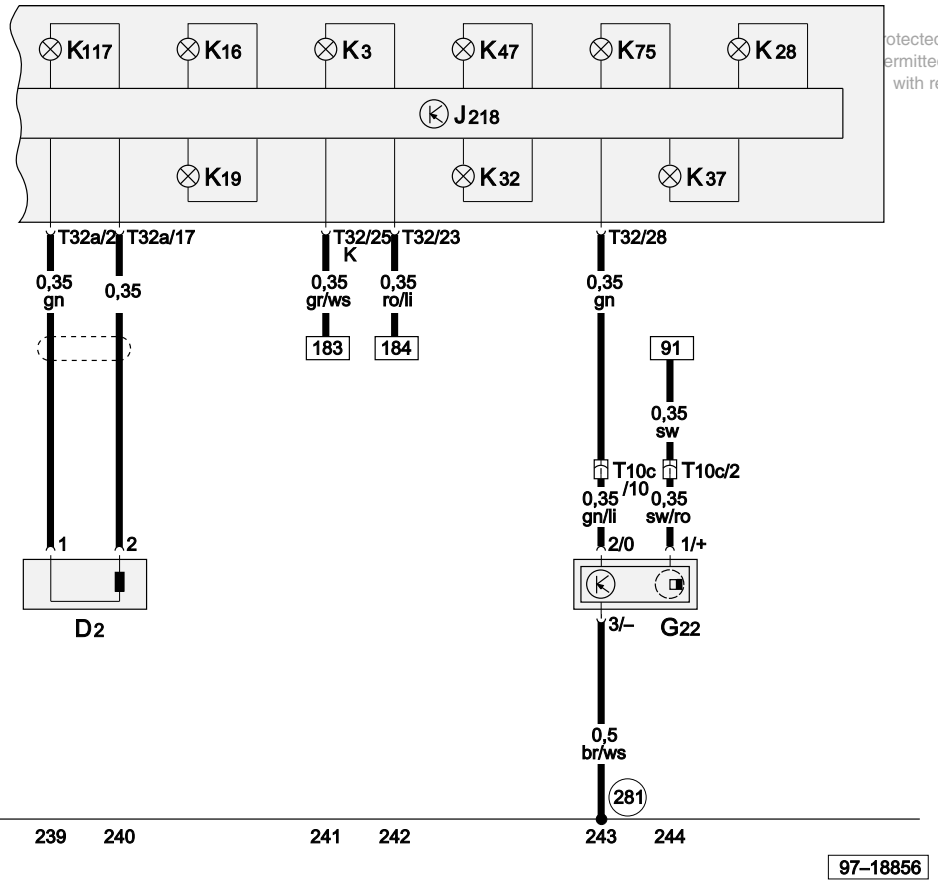
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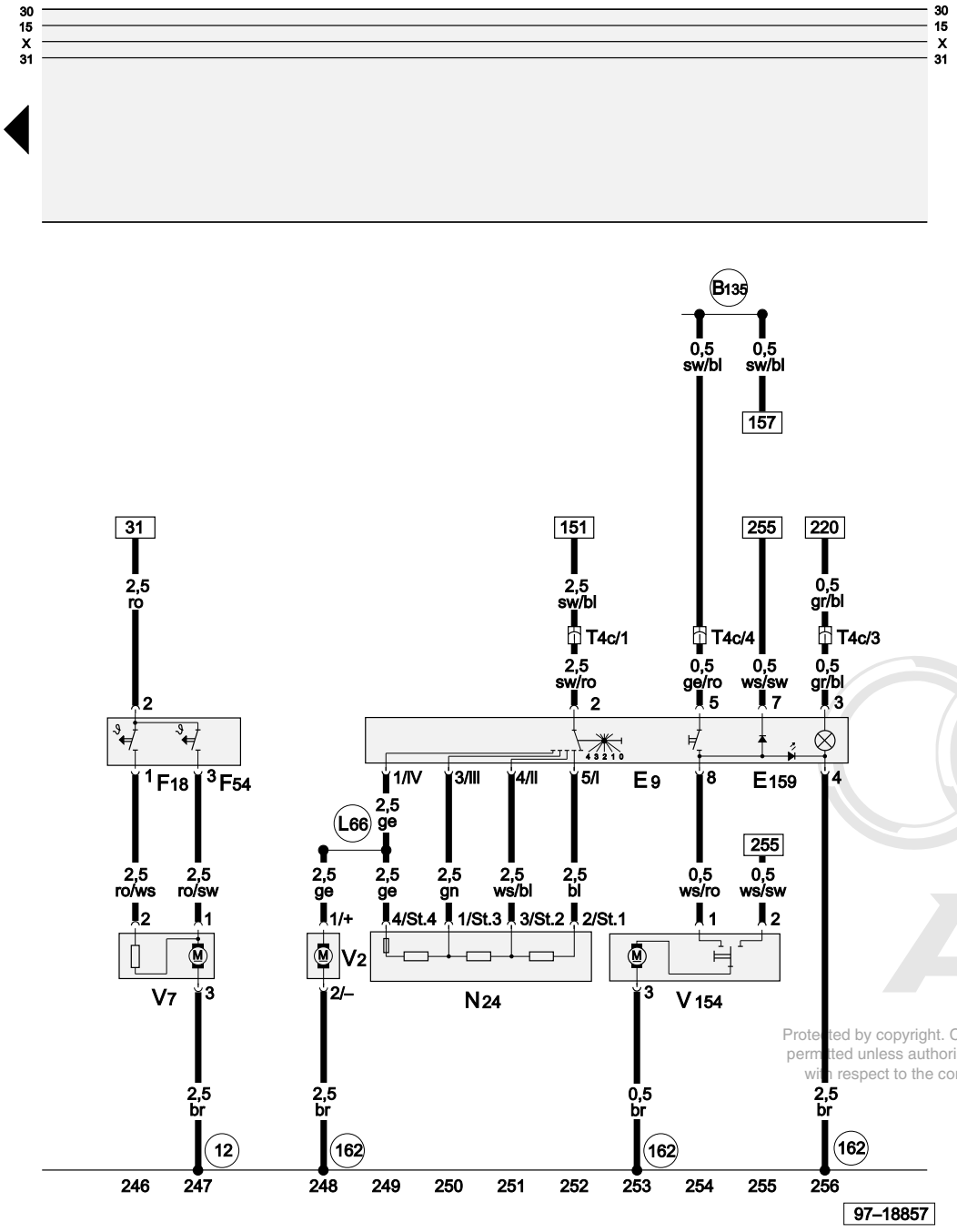
Dash panel insert, combi-processor in dash panel insert, immobilizer reading coil, vehicle speed sender

D2	Immobilizer reading coil
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K3	Oil pressure warning lamp
K16	Reserve fuel warning lamp
K19	Seat belt warning system warning lamp
K28	Coolant temperature warning lamp
K32	Brake pad/lining warning lamp
K37	Windscreen washer fluid level warning lamp
K47	ABS warning lamp
K75	Airbag warning lamp
K117	Immobilizer warning lamp
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

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Radiator fan, fresh air blower

E9	Fresh air blower switch
E159	Fresh air/air recirculating flap switch
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
N24	Fresh air blower with overheating fuse series resistor
T4c	4-pin connector, behind console
V2	Fresh air blower
V7	Radiator fan
V154	Fresh/recirculating air flap control motor
12	Earth point, in engine compartment, left
162	Earth connection, in blower motor wiring harness
B135	Connection (15a), in interior wiring harness
L66	Connection, in heater blower wiring harness

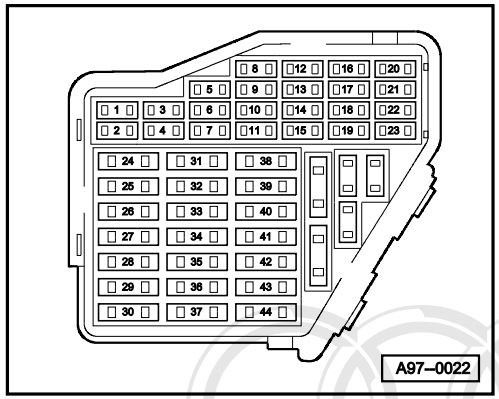
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Audi A3 (1,6 l litre fuel injection engine, 74 kW, Simos, 4-cylinder) engine codes AEH

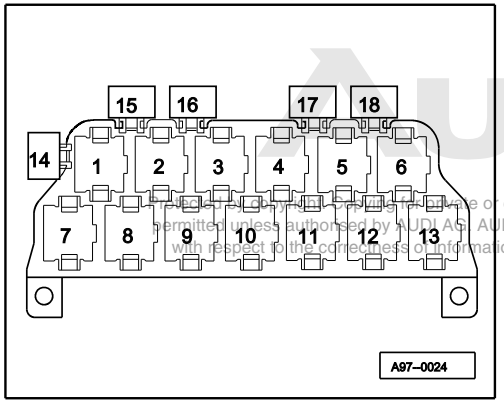
From model year 1997

Fuse box:



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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Position of relays:

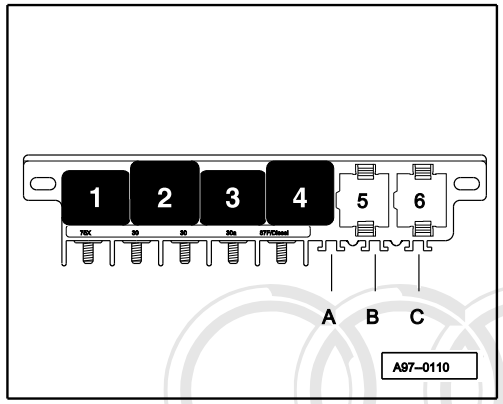
11 - Starter inhibitor and reversing light relay

Fuse colours

30 A - green
25 A - white
20 A - yellow

15 A - blue
10 A - red
5A - beige

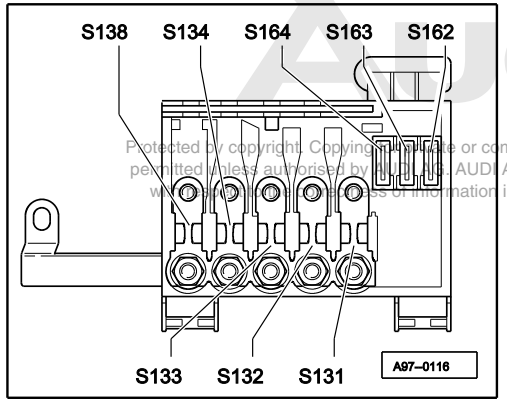
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

Main fuse box/battery:



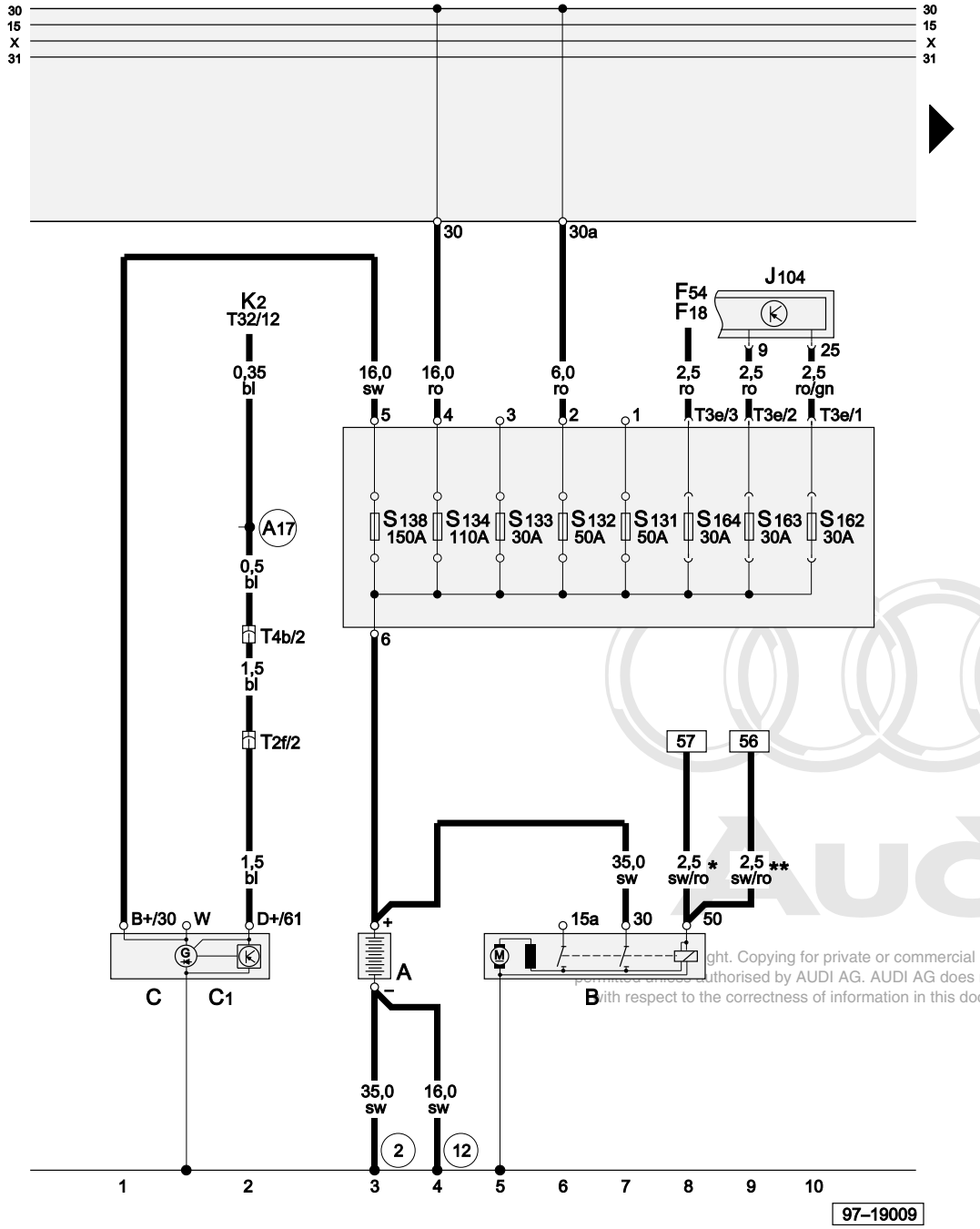
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Fuse colours

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
S131

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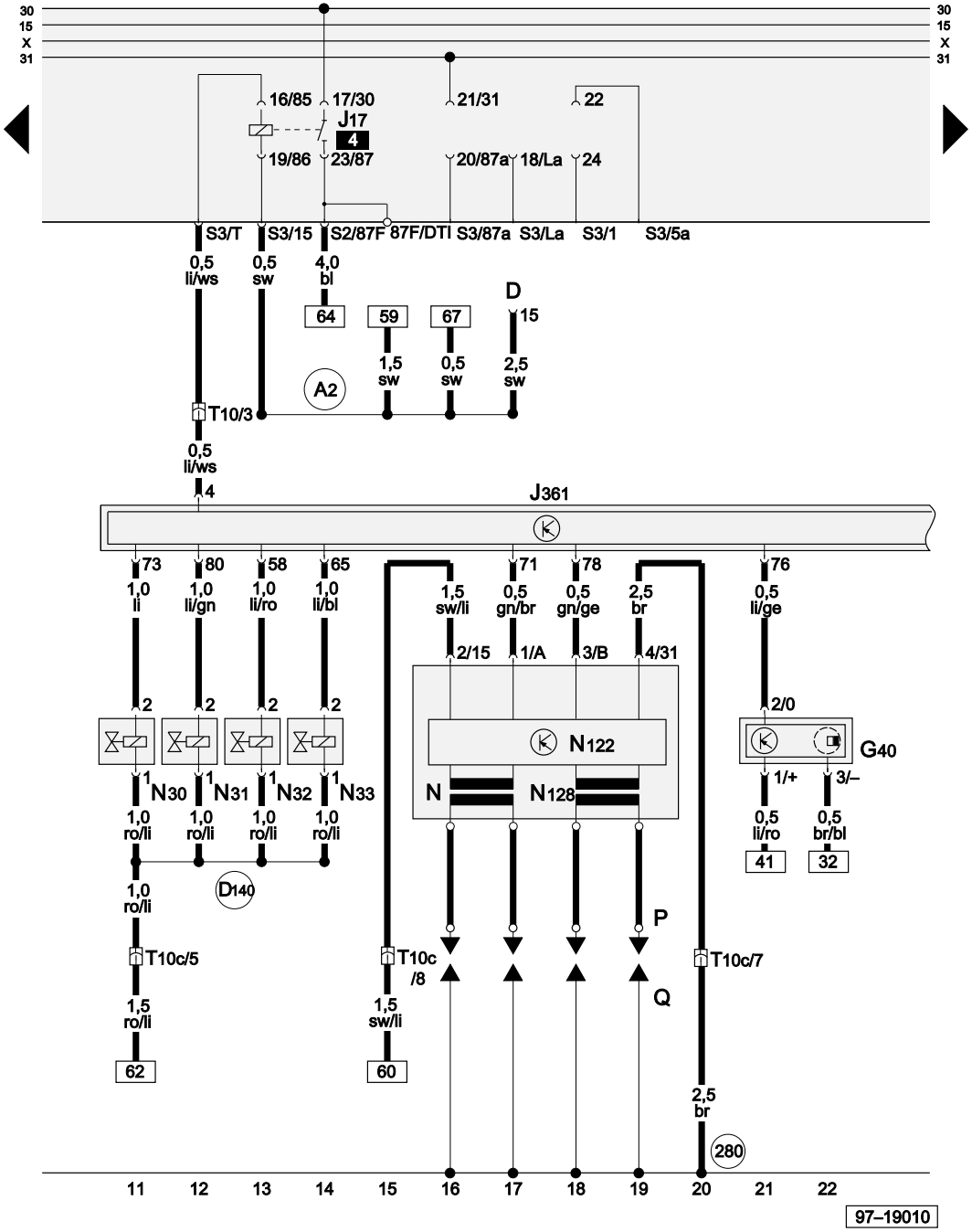
Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J104	ABS with EDL control unit
K2	Alternator warning lamp
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T4b	4-pin connector, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
(2)	Earth strap, gearbox - body
(12)	Earth point, in engine compartment, left
(A17)	Positive (+) connection (61), in dash panel wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox

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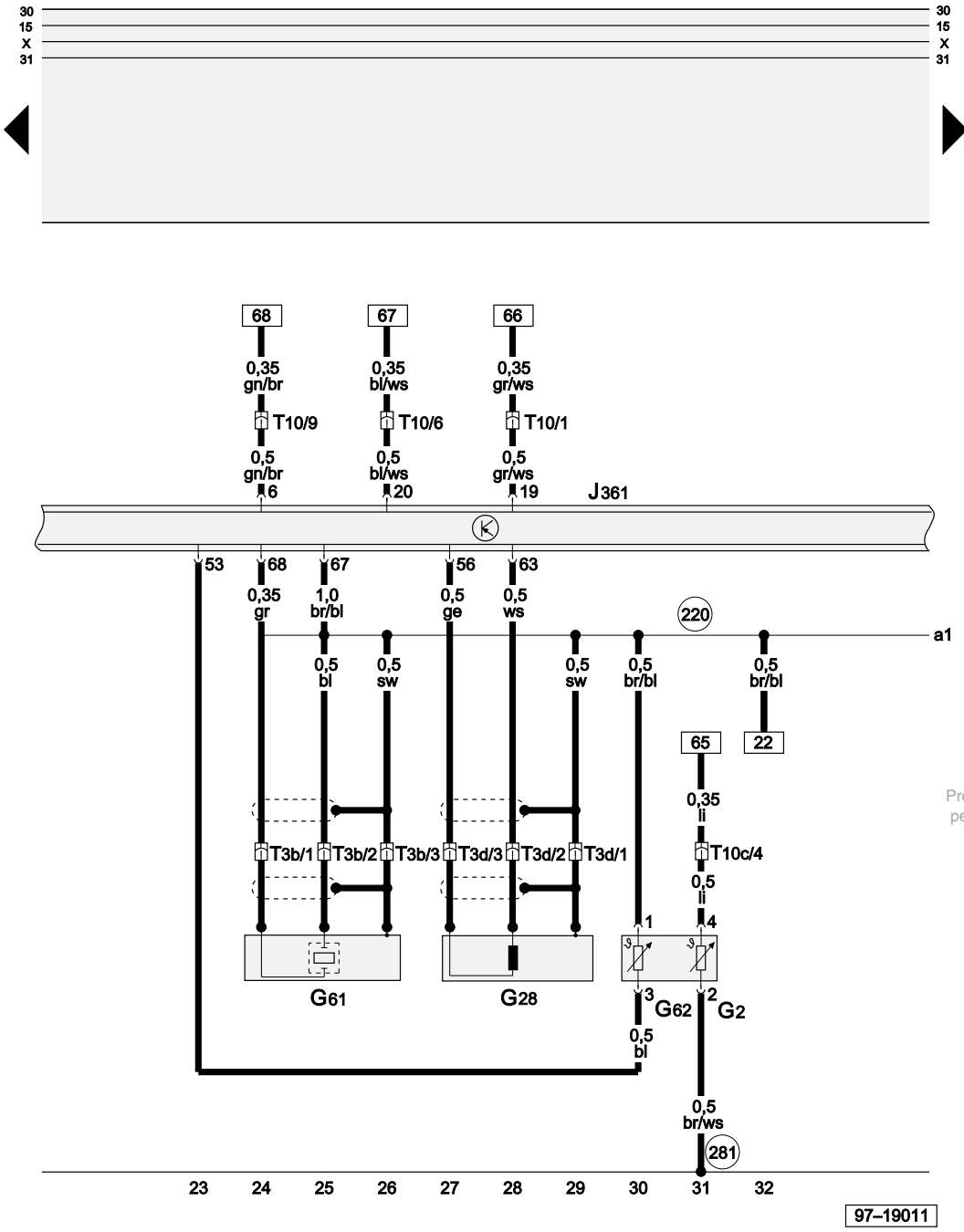


Simos control unit, fuel pump relay, injectors, ignition system, Hall sender

D	Ignition/starter switch
G40	Hall sender
J17	Fuel pump relay
J361	Simos control unit
N	Ignition coil 1
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
280	Earth connection -2-, in engine compartment wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
D140	Connection (injectors), in engine prewiring wiring harness

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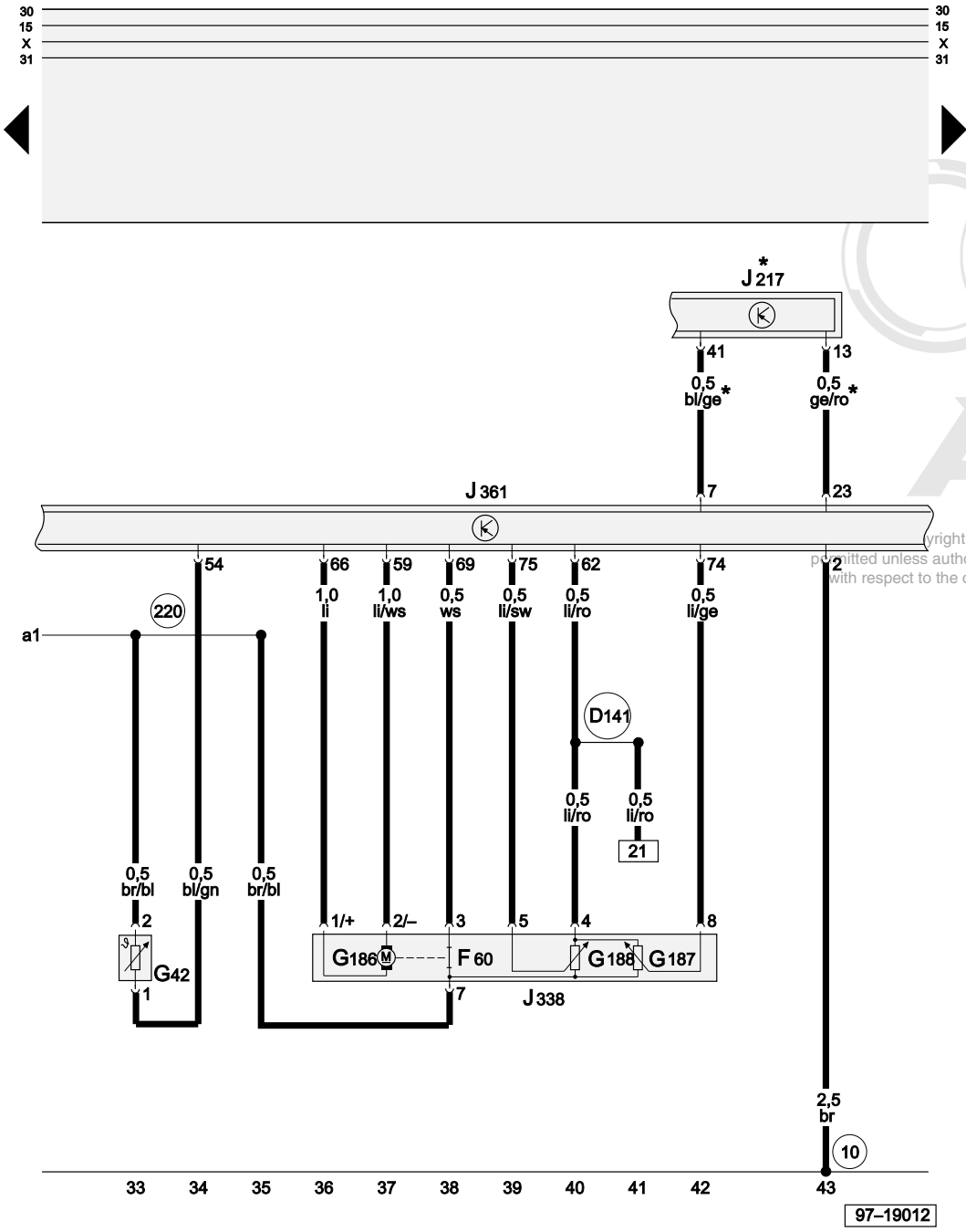


Simos control unit, knock sensor, engine speed sender, coolant temperature sender

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
J361	Simos control unit
T3b	3-pin connector, blue, in engine compartment
T3d	3-pin connector, white, in engine compartment
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
281	Earth connection -1-, in engine prewiring wiring harness

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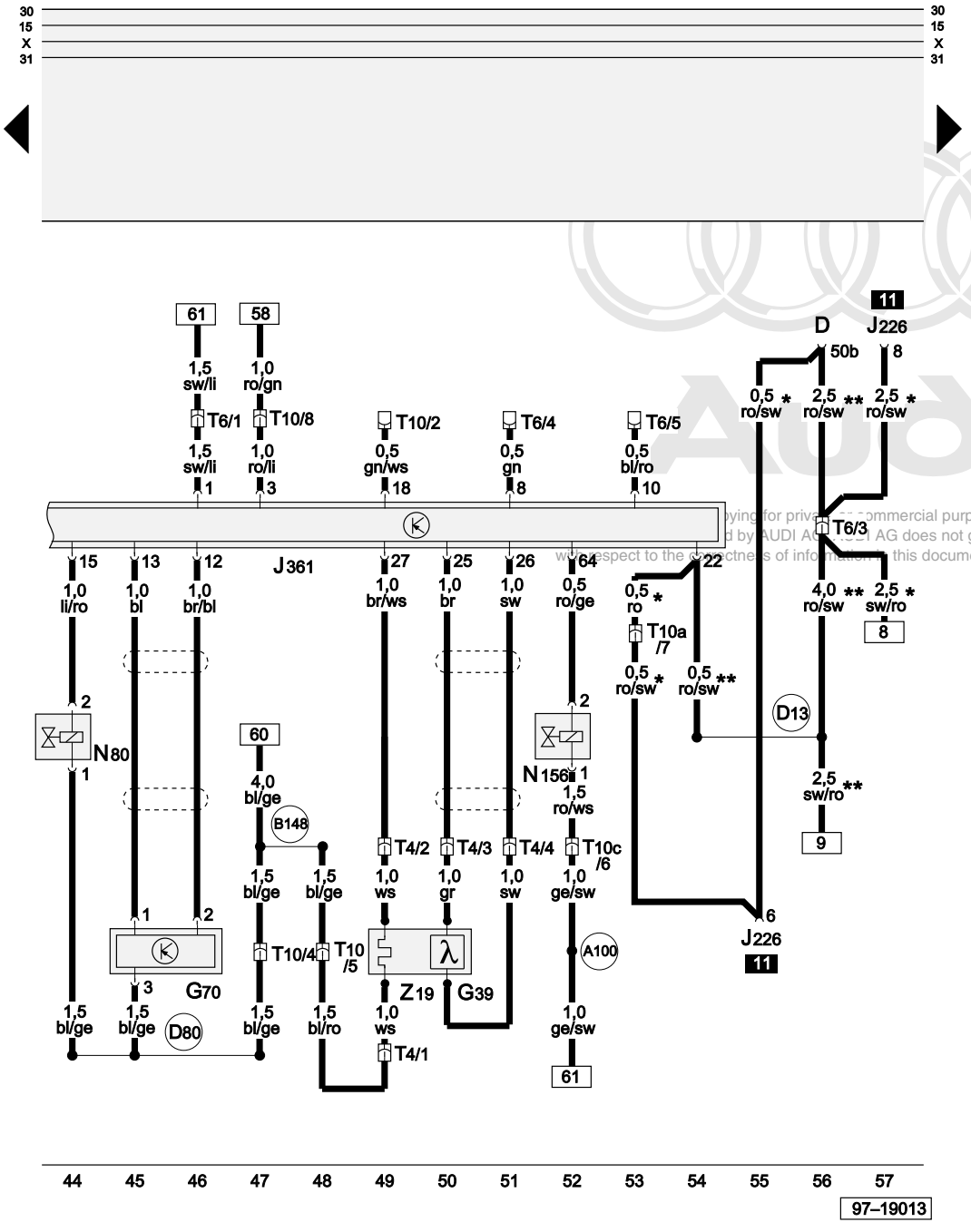
Simos control unit, throttle valve control unit, ambient temperature sensor

F60	Idling switch
G42	Intake air temperature sender
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J217	Automatic gearbox control unit
J338	Throttle valve control unit
J361	Simos control unit
10	Earth point, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with automatic gearbox

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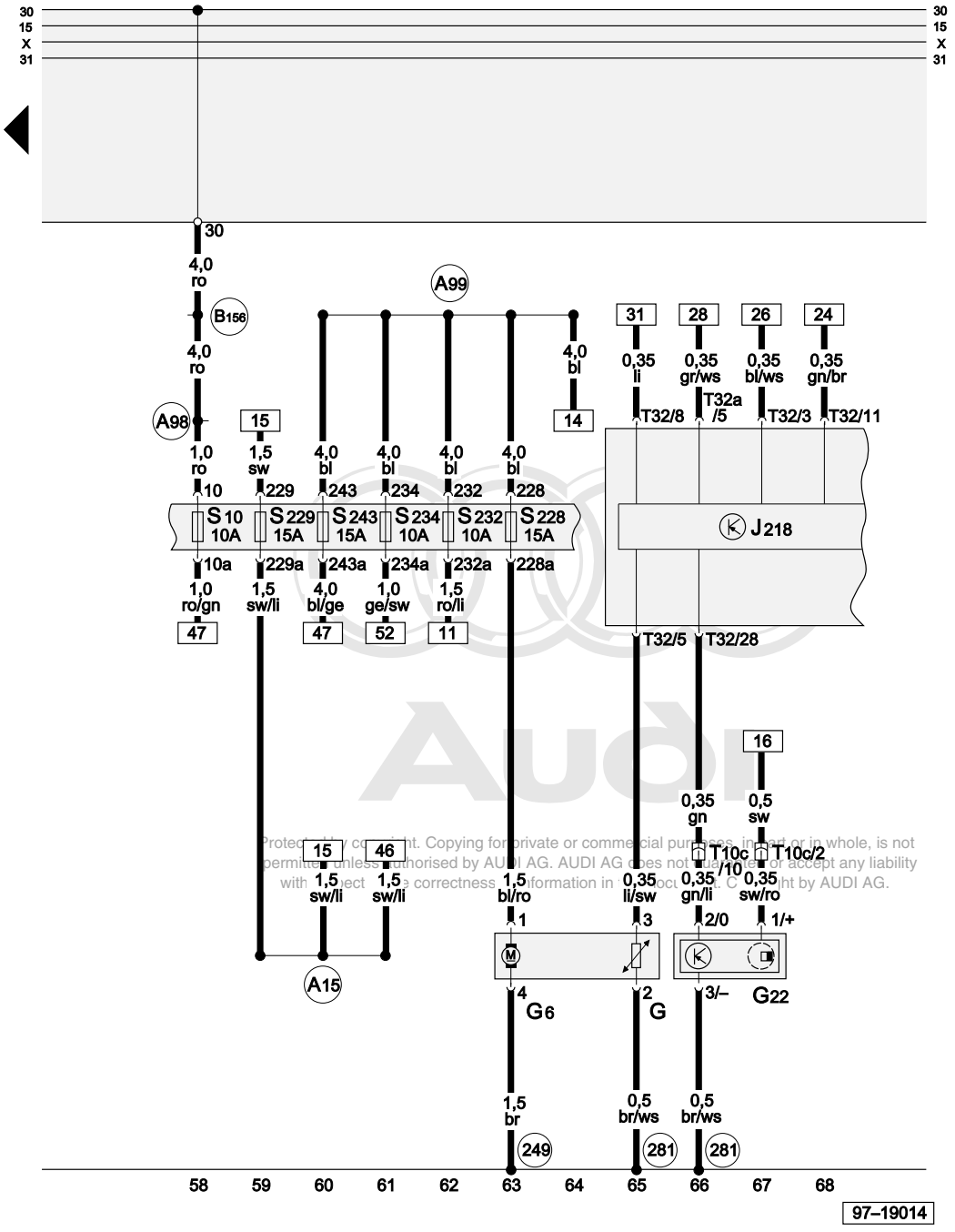


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Simos control unit, lambda probe, air mass meter, intake manifold change-over valve, activated charcoal filter system solenoid valve

D	Ignition/starter switch
G39	Lambda probe
G70	Air mass meter
J226	Starter inhibitor and reversing light relay
J361	Simos control unit
N80	Activated charcoal filter system solenoid valve 1
N156	Intake manifold change-over valve
T4	4-pin connector, in engine compartment, right
T6	6-pin connector, red, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10a	10-pin connector, green, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
Z19	Lambda probe heater
A100	Connection -2- (87), in dash panel wiring harness
B148	Positive (+) connection -3- (87), in interior wiring harness
D13	Connection (50), in front right wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox

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Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender

G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
T10c	10-pin connector, black, wiring duct, in engine compartment, left
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
281	Earth connection -1-, in engine prewiring wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

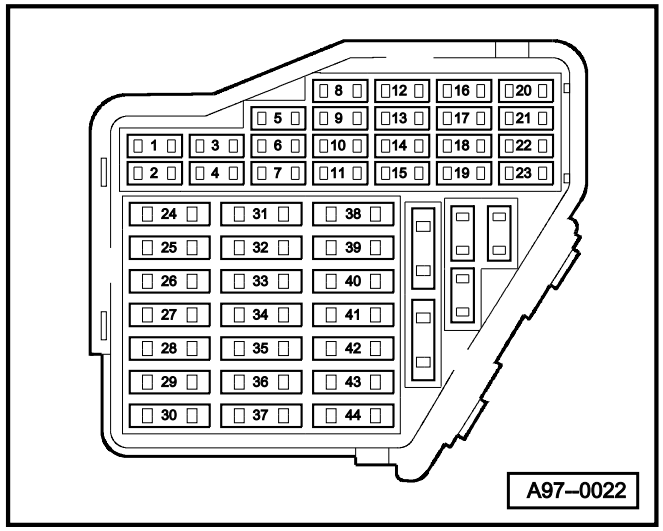
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Audi A3 (1.9 turbo-diesel, 66 kW, TDI, 4-cylinder), engine codes AGR

From model year 1997

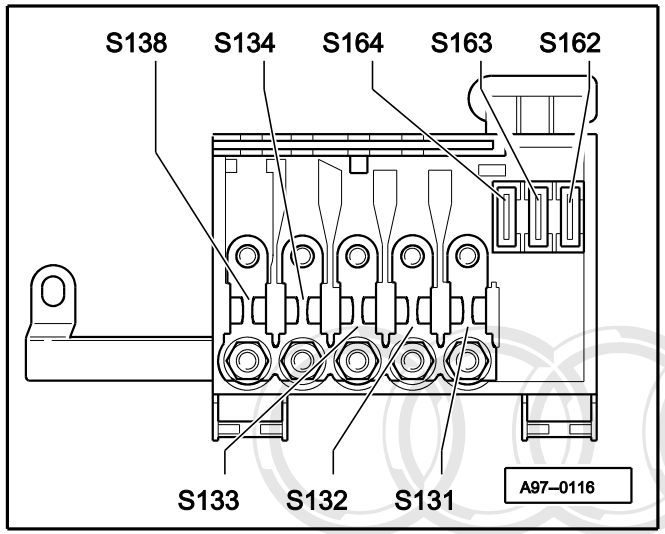
Fuse box:



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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Main fuse box/battery:



Fuse colours

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

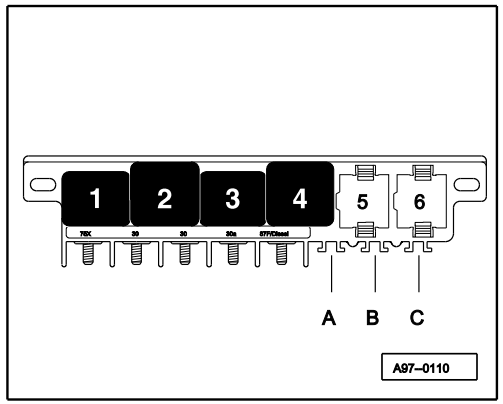
S131

Fuse colours

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

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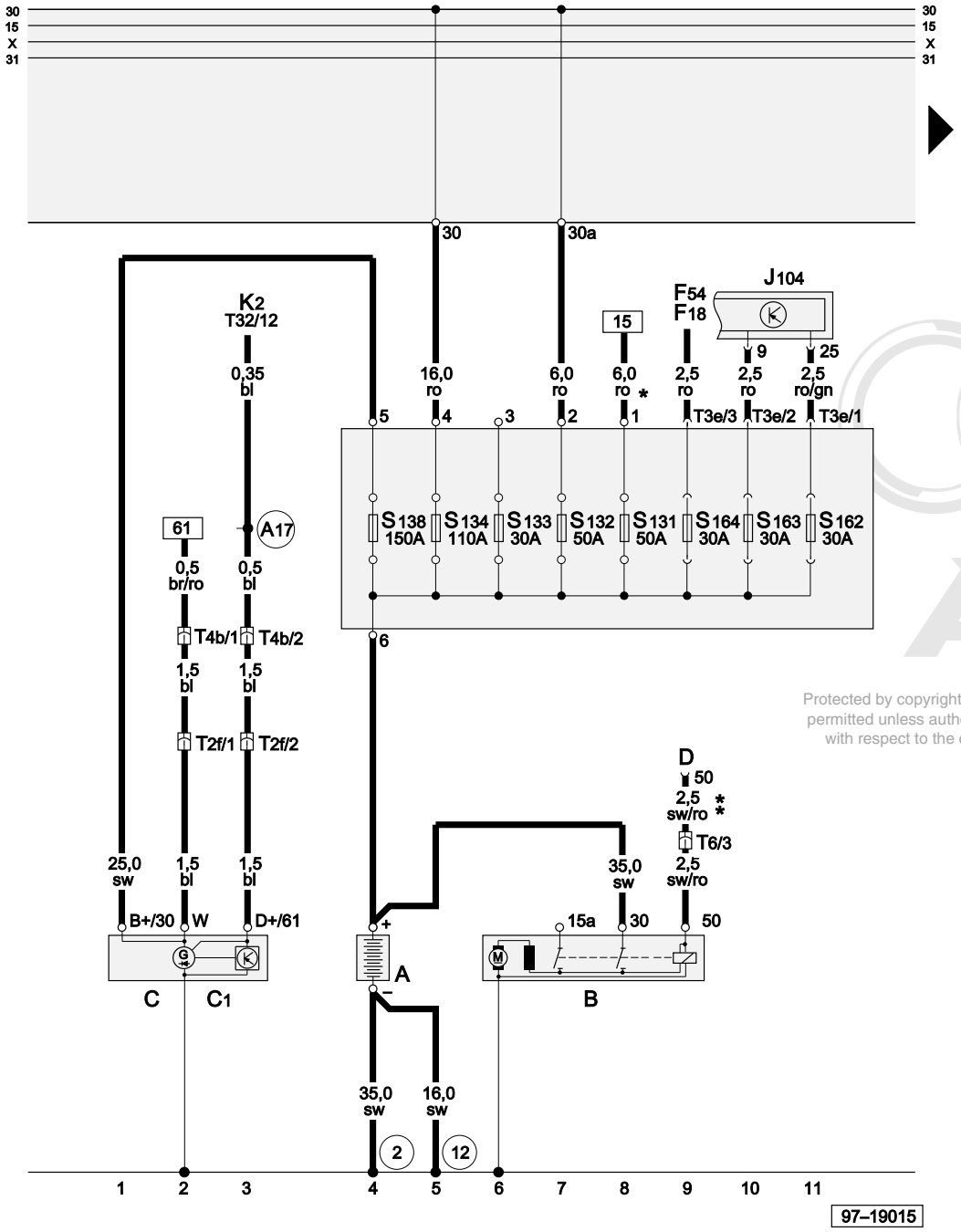
Micro-central electrics:



Position of relays:

4 - Relay for glow plugs
5 - Diesel direct injection system relay

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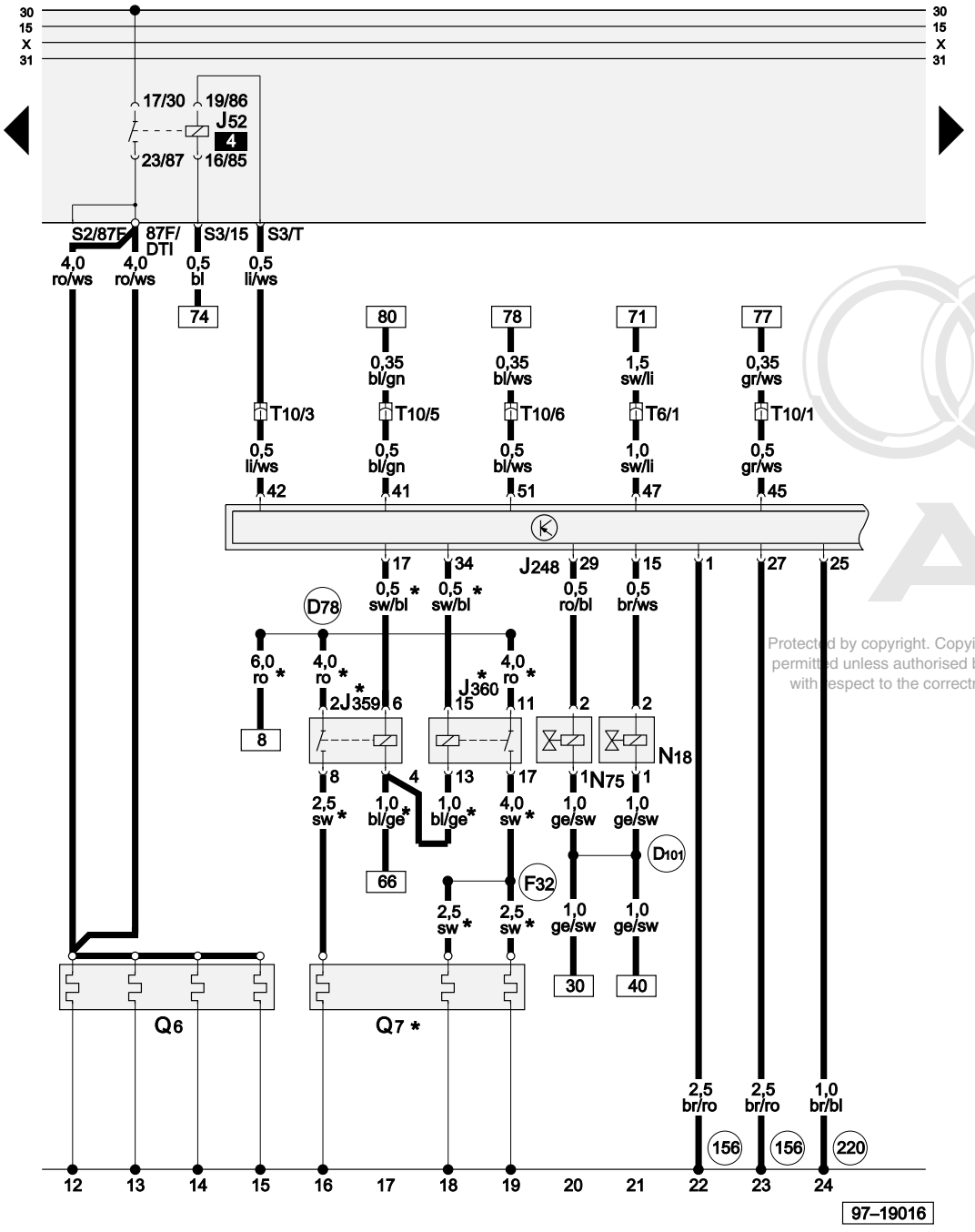
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J104	ABS with EDL control unit
K2	Alternator warning lamp
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T4b	4-pin connector, in engine compartment, left
T6	6-pin connector, red, in plenum chamber
T32	32-pin connector, blue, on dash panel insert
(2)	Earth strap, gearbox - body
(12)	Earth point, in engine compartment, left
(A17)	Positive (+) connection (61), in dash panel wiring harness

* Only for heated pin heating (manual gearbox)
** Only models with automatic gearbox

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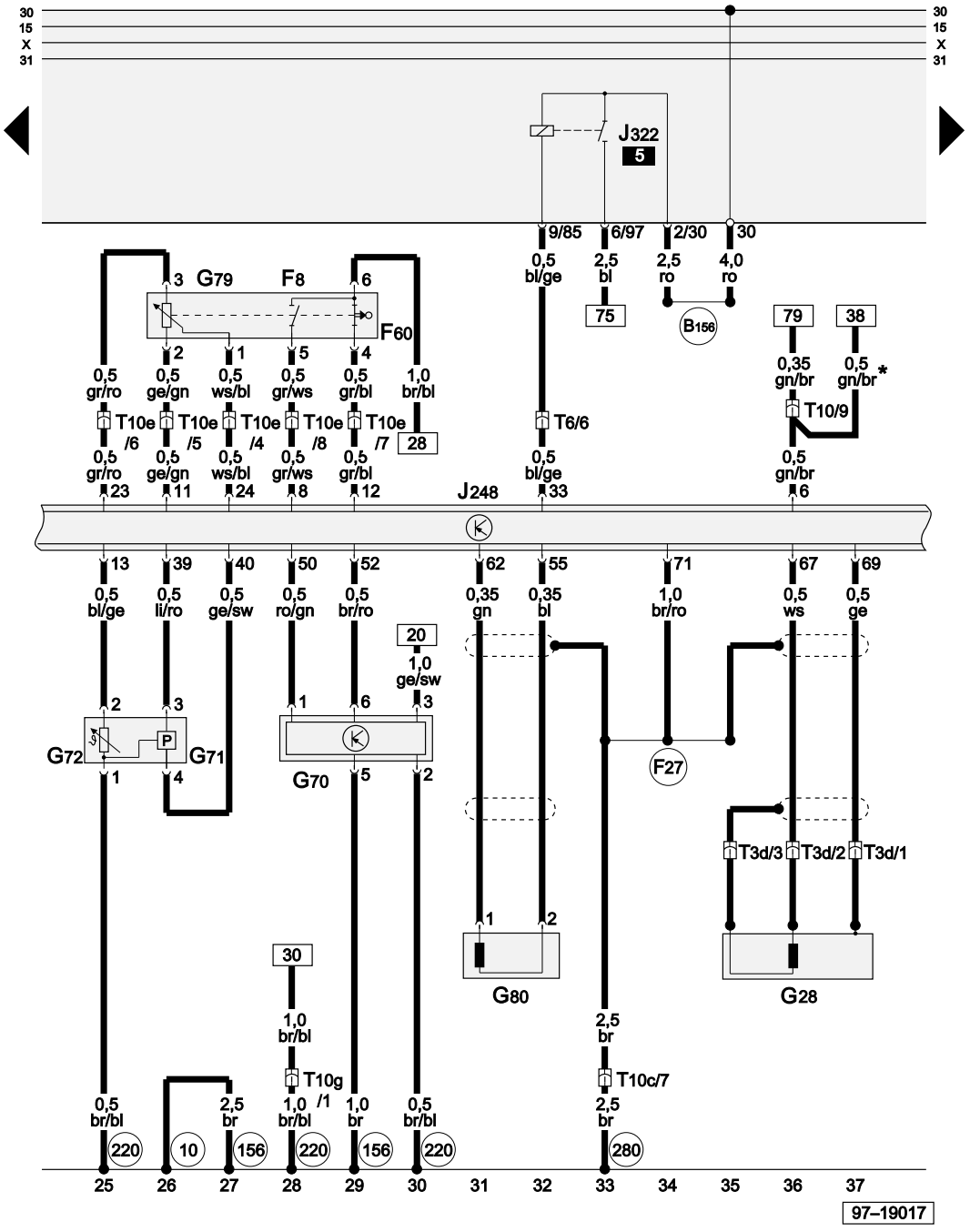


ws = white
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Diesel direct injection system control unit, glow plugs (engine), glow plug relay, glow plugs (coolant), exhaust gas recirculation valve, charge pressure control solenoid valve

J52	Glow plug relay
J248	Diesel direct injection system control unit
J359	Low heat output relay
J360	High heat output relay
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
Q6	Glow plugs (engine)
Q7	Glow plugs (coolant)
T6	6-pin connector, red, in plenum chamber
T10	10-pin connector, white, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
220	Earth connection (sender earth), in engine wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
D101	Connection -1-, in engine compartment wiring harness
F32	Connection (glow plugs - coolant), in diesel direct injection system wiring harness
*	Only for heated pin heating (manual gearbox)

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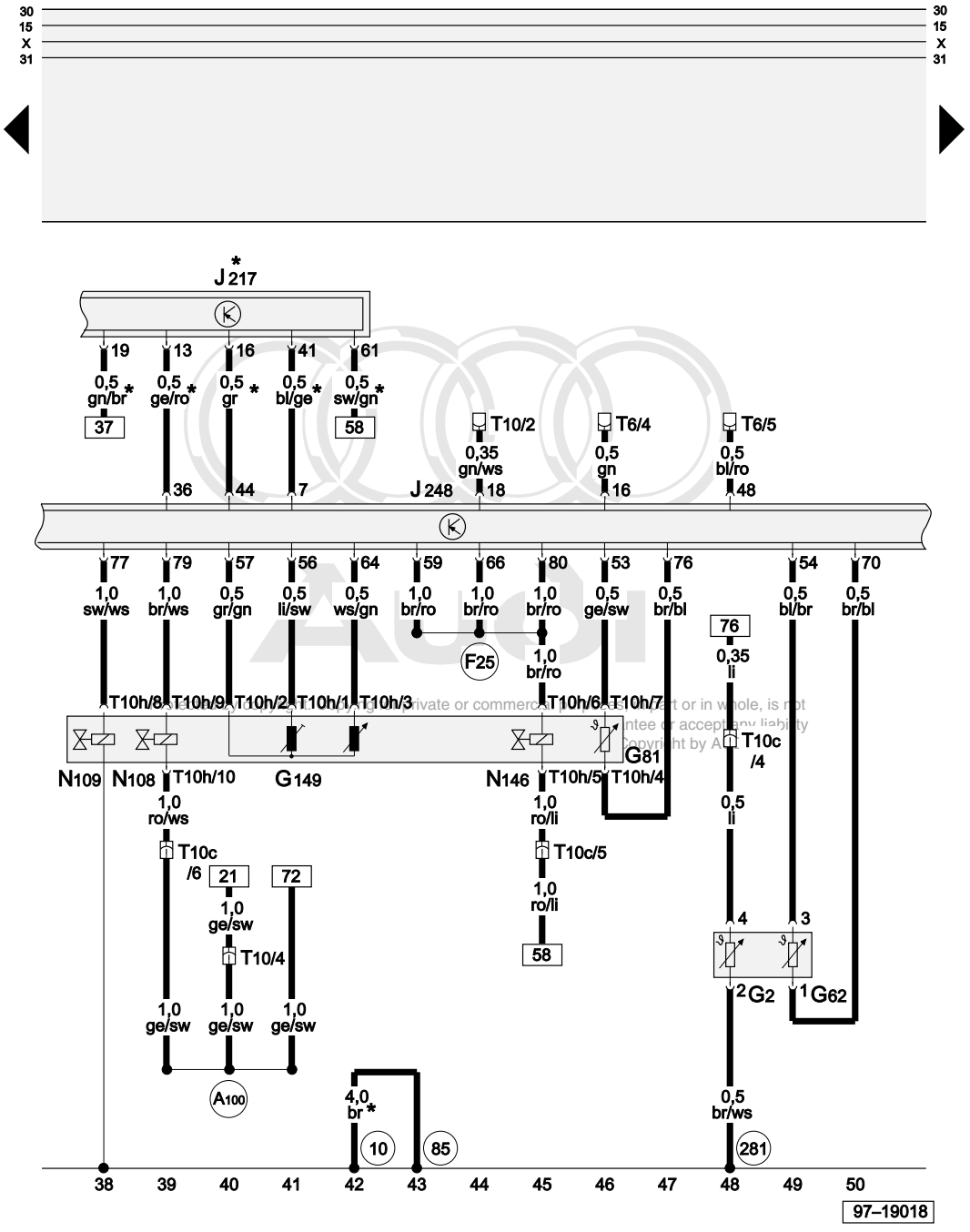


Diesel direct injection system control unit, air mass meter, diesel direct injection system relay, intake manifold temperature sender, accelerator pedal position sender, engine speed sender

F8	Kick-down switch
F60	Idling switch
G28	Engine speed sender
G70	Air mass meter
G71	Intake manifold pressure sender
G72	Intake manifold temperature sender
G79	Accelerator pedal position sender
G80	Needle lift sender
J248	Diesel direct injection system control unit
J322	Diesel direct injection system relay
T3d	3-pin connector, black, in engine compartment
T6	6-pin connector, red, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
10	Earth point, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
220	Earth connection (sender earth), in engine wiring harness
280	Earth connection -2-, in engine compartment wiring harness
B156	Positive (+) connection -4- (30), in interior wiring harness
F27	Connection (screening), in diesel direct injection system wiring harness
*	Only models with automatic gearbox

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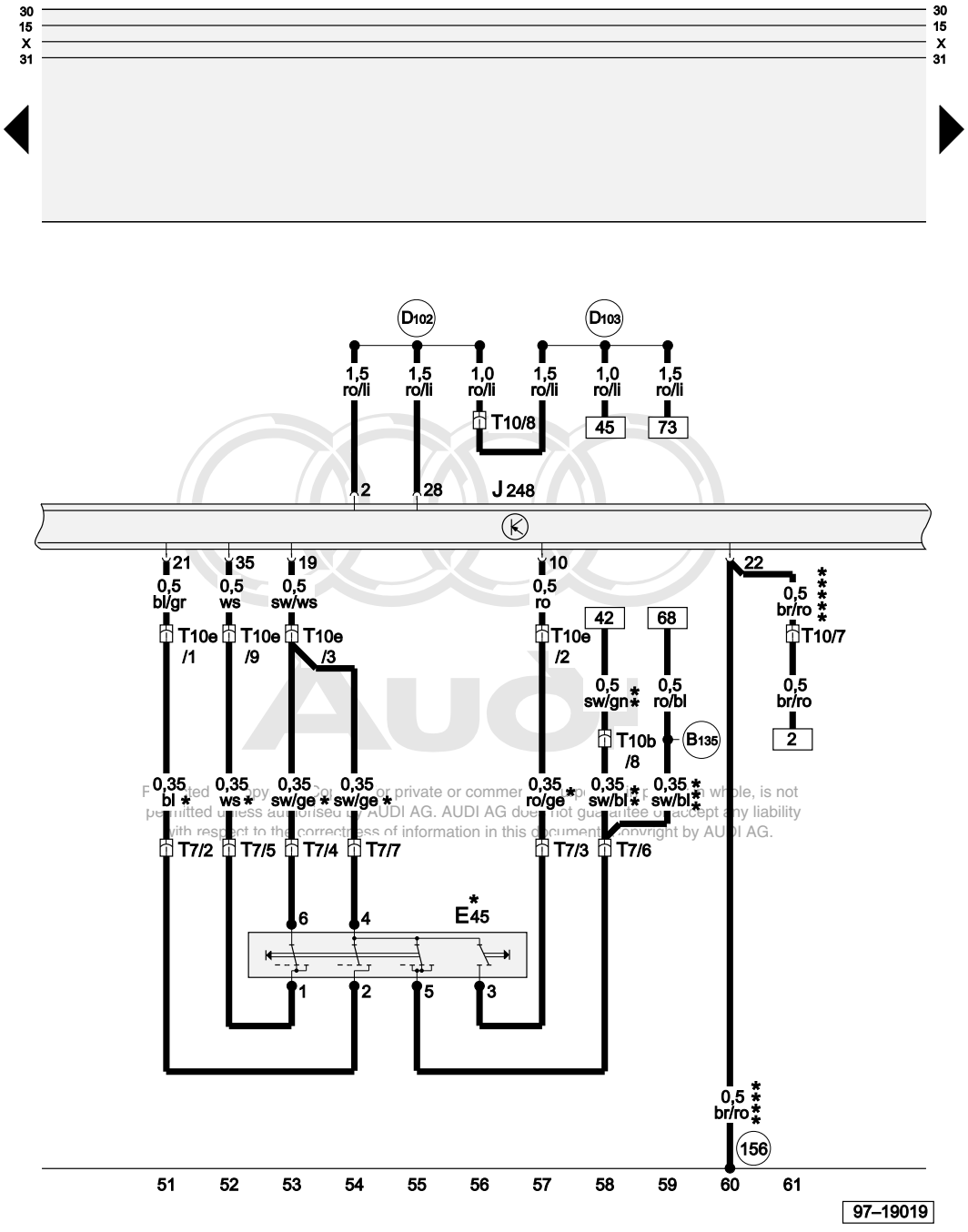


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Diesel direct injection system control unit, coolant temperature sender, modulating piston movement sender

G2	Coolant temperature sender
G62	Coolant temperature sender
G81	Fuel temperature sender
G149	Modulating piston movement sender
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
N108	Commencement of injection valve
N109	Fuel shut-off valve
N146	Metering adjuster
T6	6-pin connector, red, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10h	10-pin connector, black, centre in engine compartment
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A100	Connection -2- (87), in dash panel wiring harness
F25	Connection -1-, in diesel direct injection system wiring harness
*	Only models with automatic gearbox

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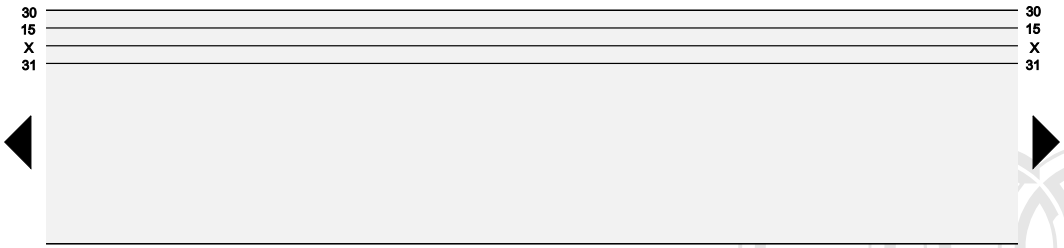


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Diesel direct injection system control unit

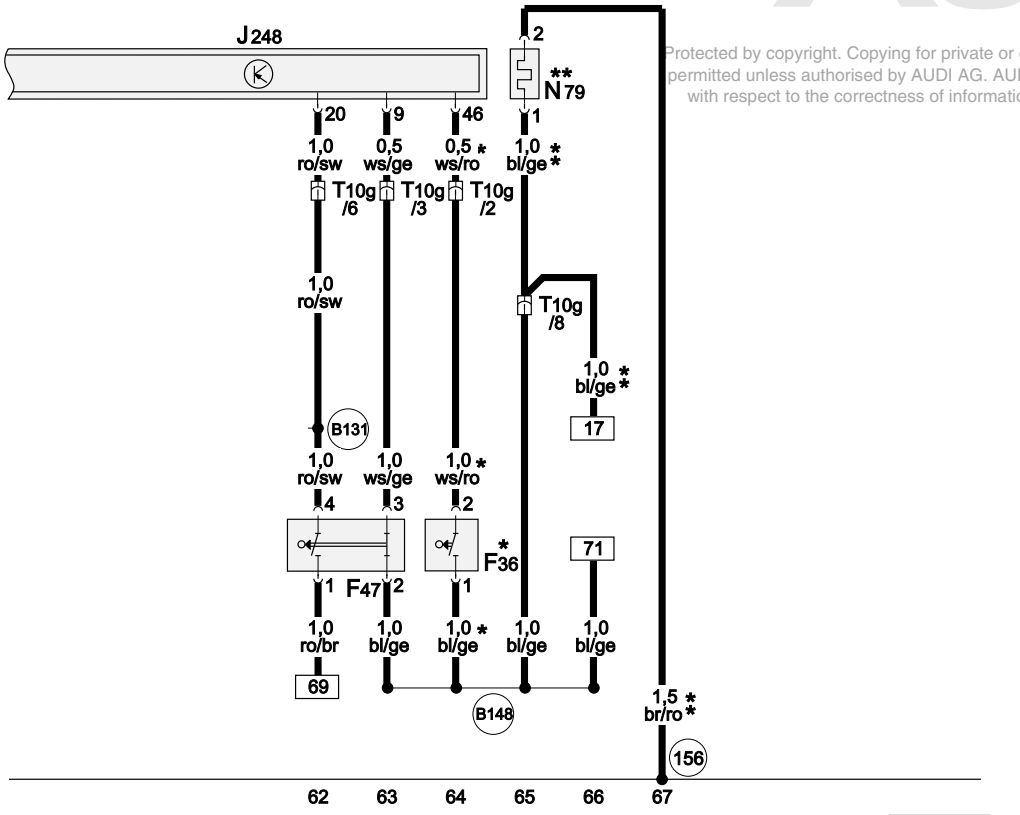
E45	Cruise control system switch
J248	Diesel direct injection system control unit
T7	7-pin connector, behind steering column switch trim
T10	10-pin connector, white, in plenum chamber
T10b	10-pin connector, grey, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
B135	Positive (+) connection (15a), in interior wiring harness
D102	Connection -2-, in engine compartment wiring harness
D103	Connection -3-, in engine compartment wiring harness
*	-Only models with cruise control system
**	-Only models with cruise control system with automatic gearbox
***	-Only models with cruise control system with manual gearbox
****	-Does not apply to models with heated pin heating
*****	Only for heated pin heating (manual gearbox)



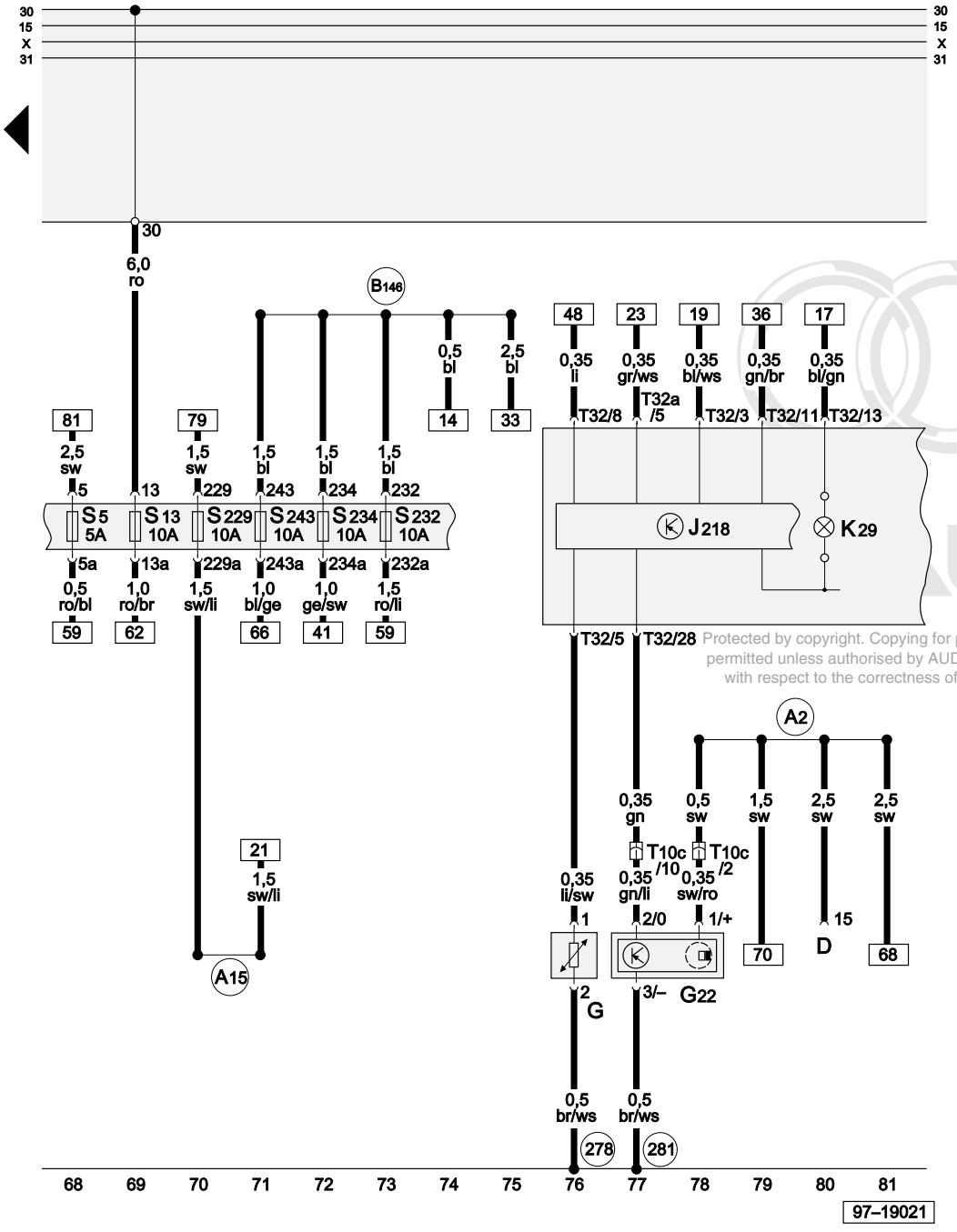
Diesel direct injection system control unit, brake pedal switch, clutch pedal switch

F36	Clutch pedal switch
F47	Brake pedal switch for diesel direct inj. system
J248	Diesel direct injection system control unit
N79	Heater element (crankcase breather)
T10g	10-pin connector, blue, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
B131	Connection (54), in interior wiring harness
B148	Positive (+) connection -3- (87), in interior wiring harness
*	Only models with manual gearbox
**	Only for heated pin heating (manual gearbox) and export versions (nordic countries)

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Dash panel insert, combi-processor in dash panel insert, fuel gauge sender, road speed sender, fuse box

D	Ignition/starter switch
G	Fuel gauge sender
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K29	Glow period warning lamp
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
278	Earth connection -4-, in interior wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
B146	Positive (+) connection -1- (87), in interior wiring harness

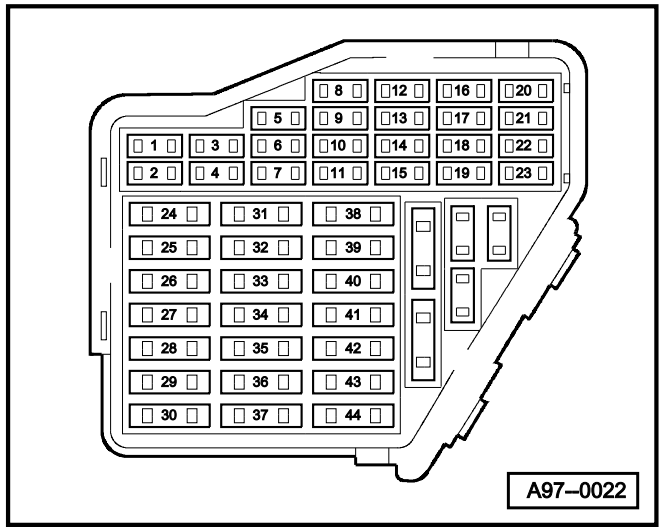
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Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

From model year 1997

Fuse box:

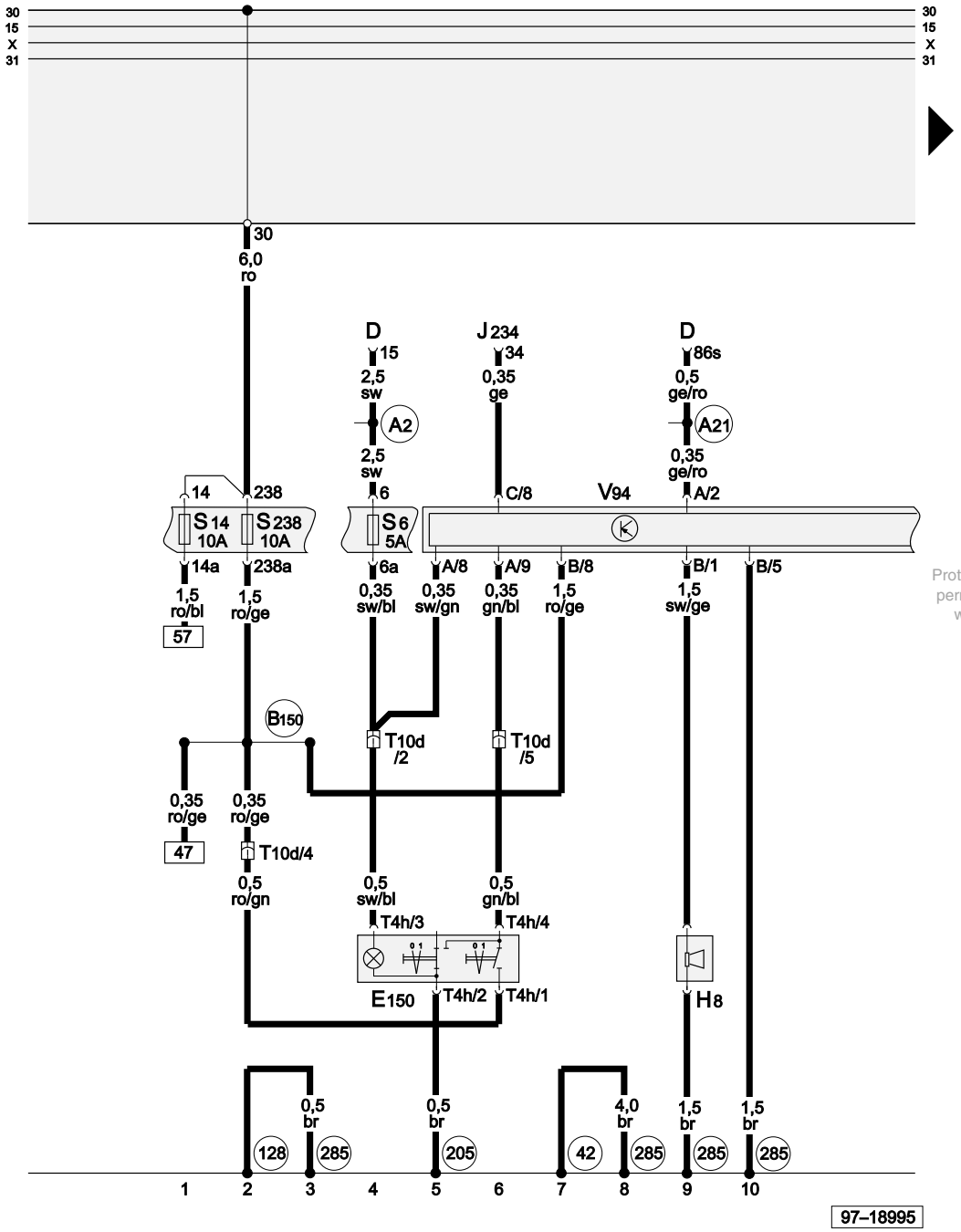


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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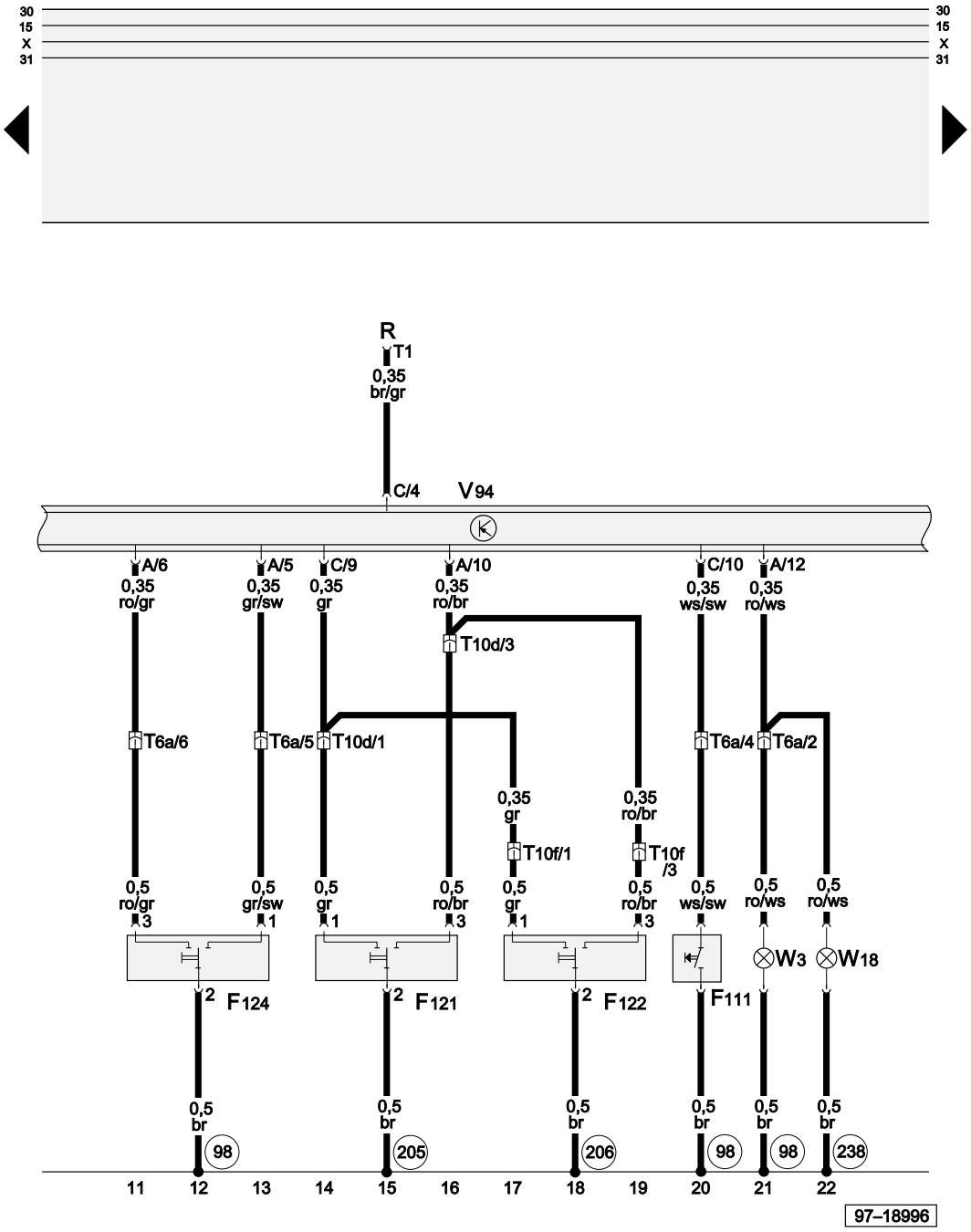


Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

D	Ignition/starter switch
E150	Interior locking switch, driver's side
H8	Anti-theft alarm system horn
J234	Airbag control unit
T4h	4-pin connector, black, 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
42	Earth point, next to steering columm
128	Earth connection -1-, in interior light wiring harness
205	Earth connection, in door wiring harness - driver's side
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness

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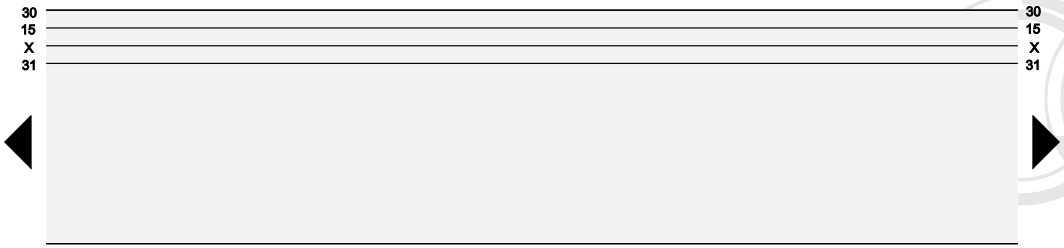


Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

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
R	Radio
T1	Single connector, brown, on radio
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
W3	Luggage compartment light
W18	Luggage compartment light, left
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
238	Earth connection -1-, in interior wiring harness

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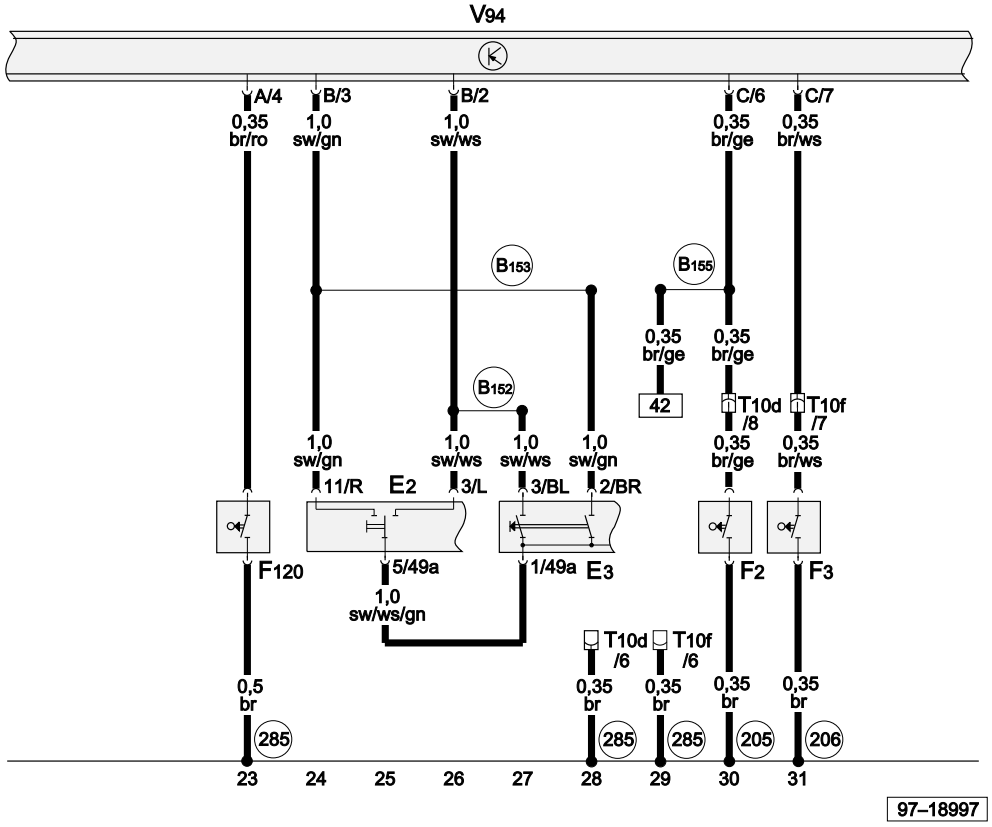
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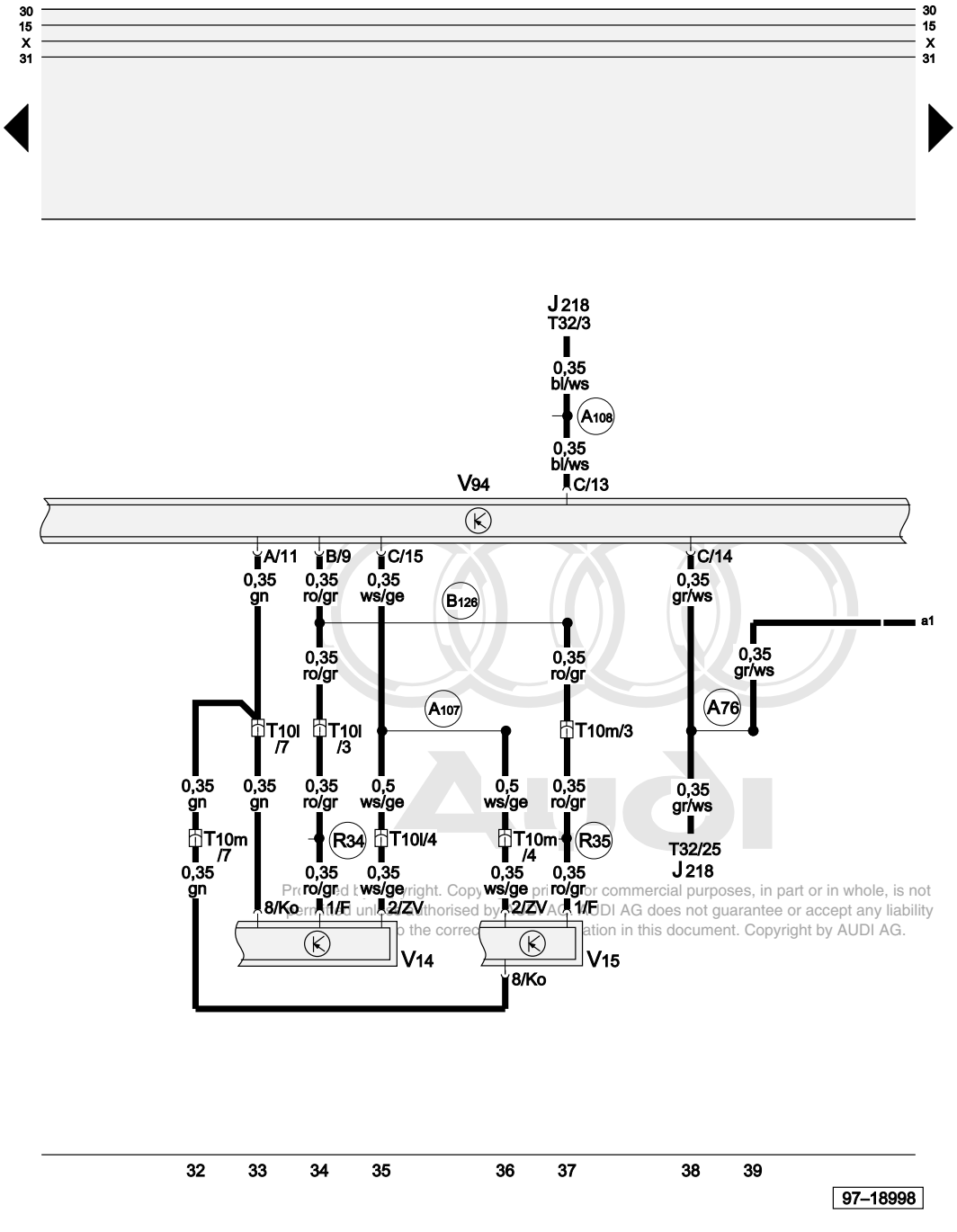
Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

E2	Turn signal switch
E3	Hazard warning light switch
F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
F120	Anti-theft alarm system contact switch
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
285	Earth connection -7-, in interior wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (56b), in interior wiring harness
B155	Positive (+) connection -2- (DC), in interior wiring harness

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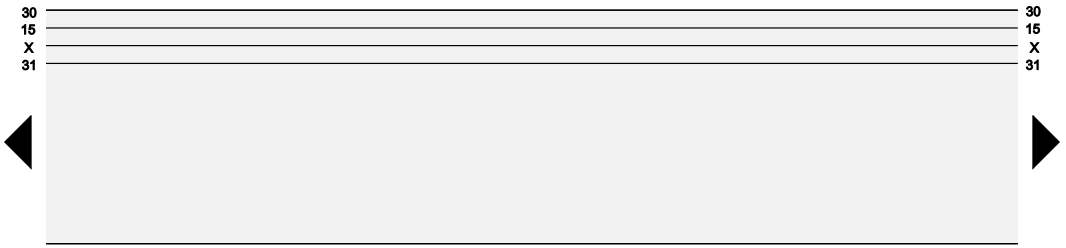


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Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

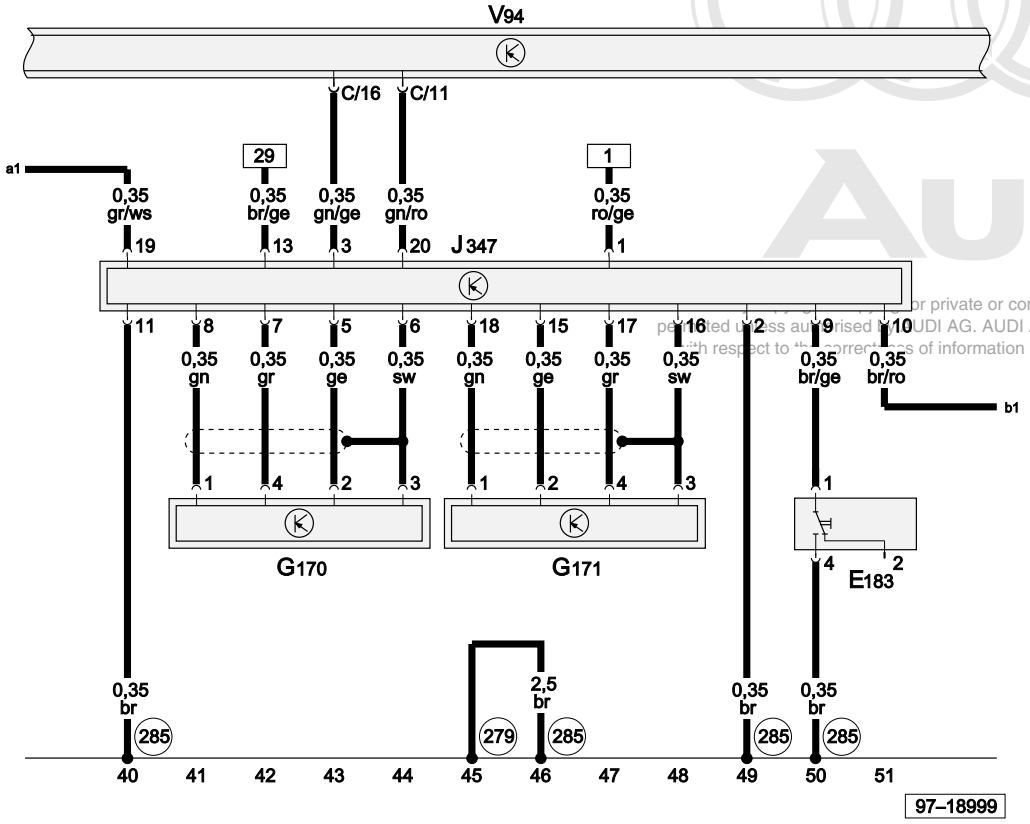
J218	Combi-processor in dash panel insert
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, right
T32	32-pin connector, blue, on dash panel insert
V14	Electric window motor, left
V15	Electric window motor, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
A76	Connection (diagnosis wire K), in dash panel wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B126	Positive (+) connection (87, electric windows control unit), in electric window wiring harness
R34	Connection (87), in door wiring harness, driver's side
R35	Connection (87), in door wiring harness, front passenger's side

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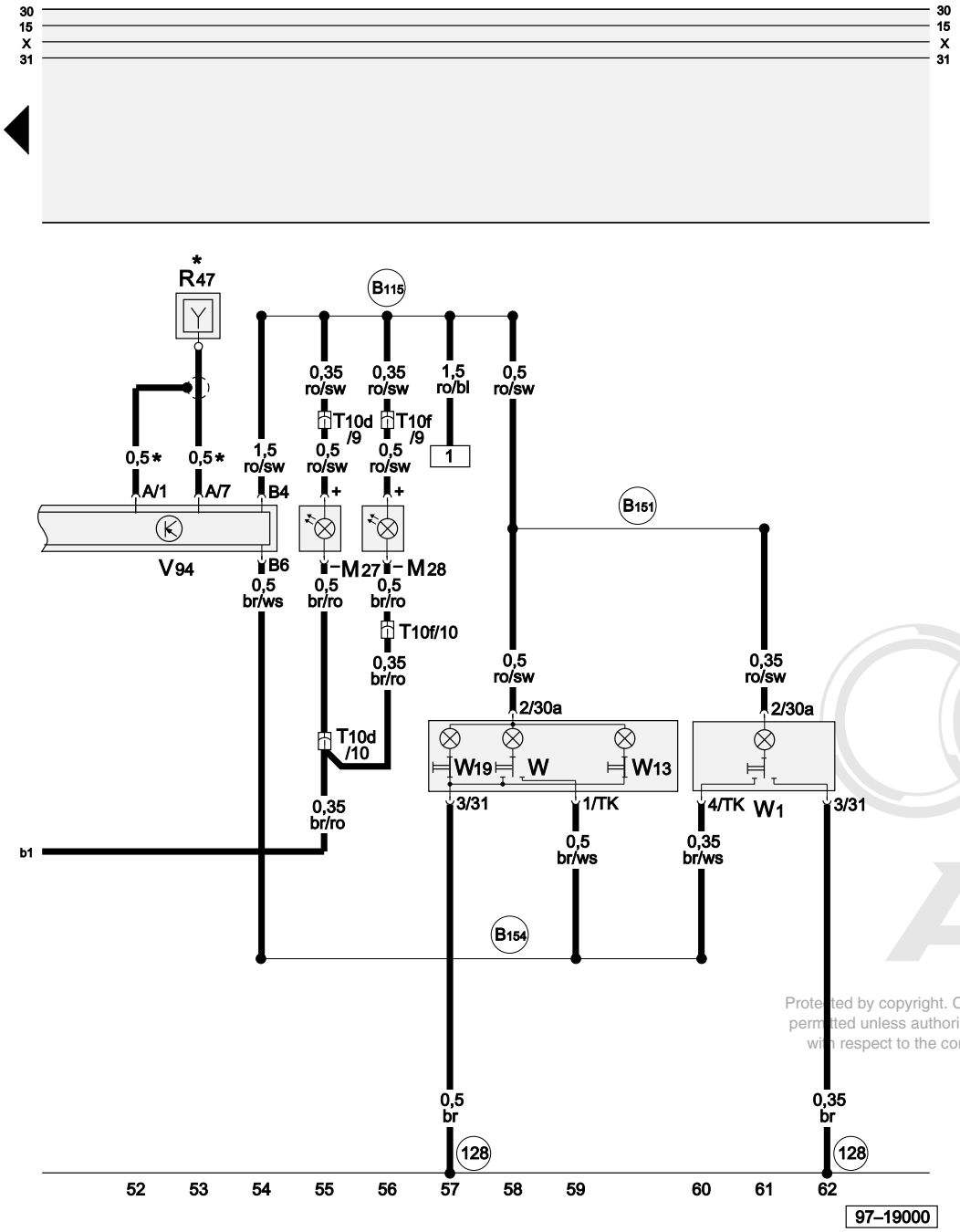
Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

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
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
279	Earth connection -5-, in interior wiring harness
285	Earth connection -7-, 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

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
W1	Rear interior light / luggage compartment
W13	Front passenger reading lamp
W19	Reading light, driver's side
128	Earth connection -1-, in interior light wiring harness
B115	Positive (+) connection (30, central electrics), in interior wiring harness
B151	Positive (+) connection -3- (30a), in interior wiring harness
B154	Connection -1- (DC), in interior wiring harness
*	Only models with radio-operated remote control

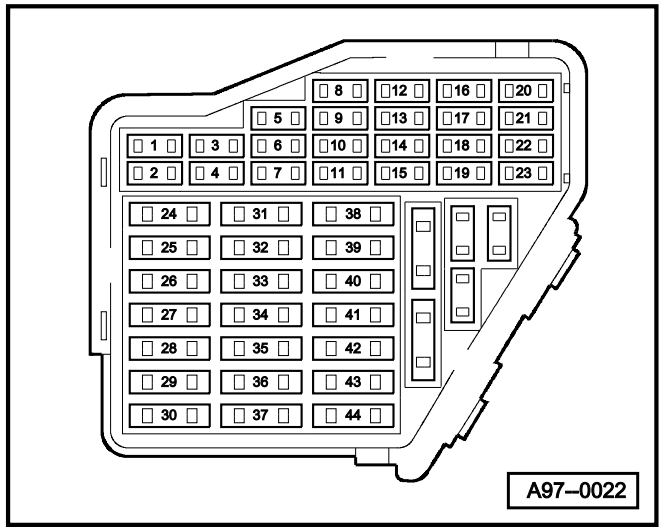
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Anti-lock brake system (ABS and ABS with EDL)

From model year 1997

Fuse box:

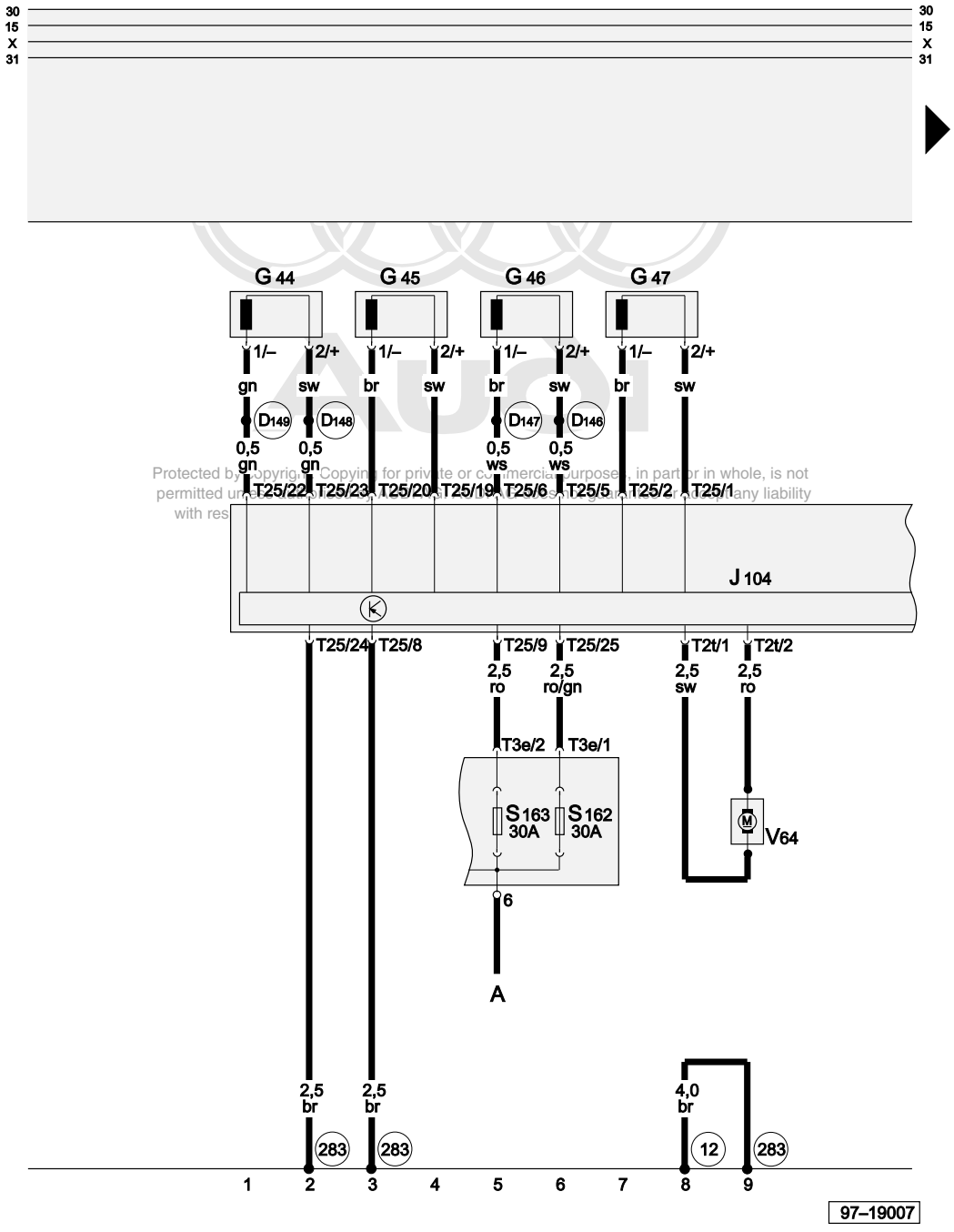


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

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Fuse colours

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

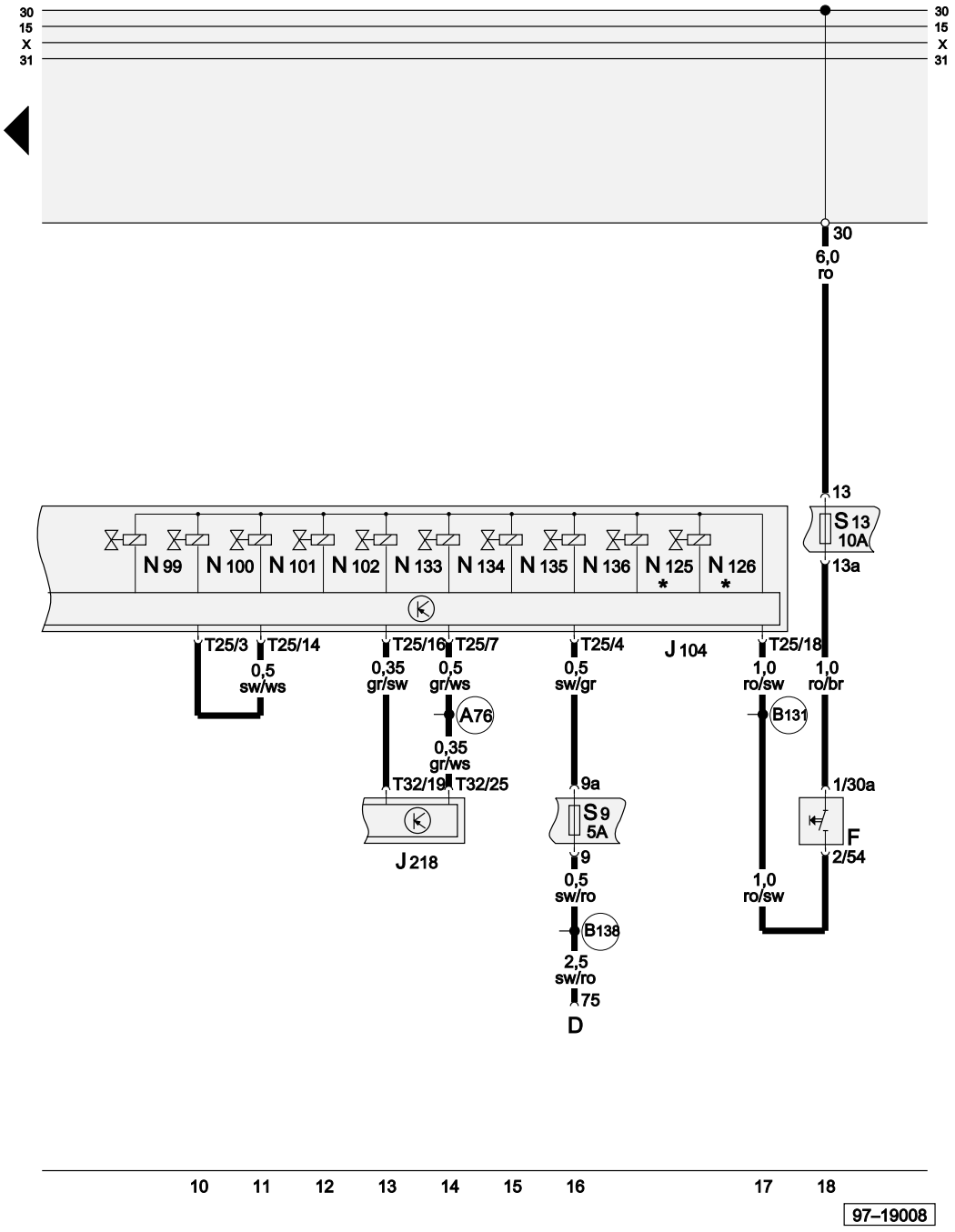


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Anti-lock brake system (ABS and ABS with EDL)

A	Battery
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
S162	1 in fuse box/battery
S163	2 in fuse box/battery
T2t	2-pin connector, on ABS control unit
T3e	3-pin connector, black, on main fuse box/battery
T25	25-pin connector, on ABS control unit
V64	ABS hydraulic pump
12	Earth point, in engine compartment, left
283	Earth connection -3-, in engine compartment 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

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 (ABS and ABS with EDL)

D	Ignition/starter switch
F	Brake light switch
J104	ABS with EDL control unit
J218	Combi-processor in dash panel insert
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
T25	25-pin connector, on ABS control unit
T32	32-pin connector, blue, on dash panel insert
A76	Connection (diagnosis wire K), in dash panel wiring harness
B131	Positive (+) connection (54), in interior wiring harness
B138	Positive (+) connection -1- (x), in interior wiring harness
*	- Only models with ABS with EDL

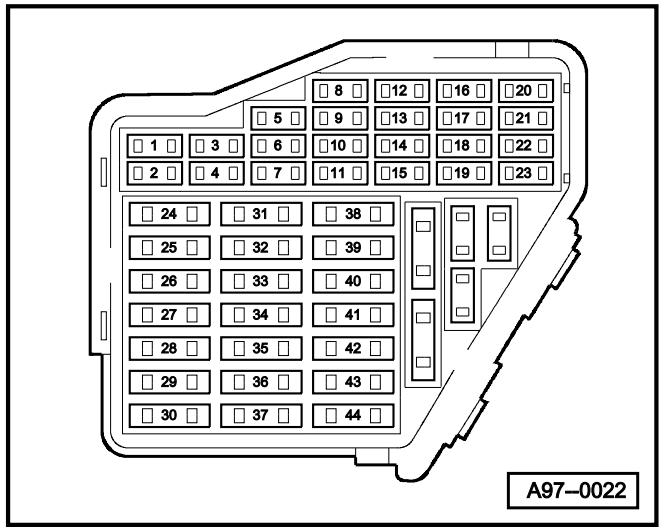
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ge	=	yellow
or	=	orange
rs	=	pink

Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

From model year 1997

Fuse box:

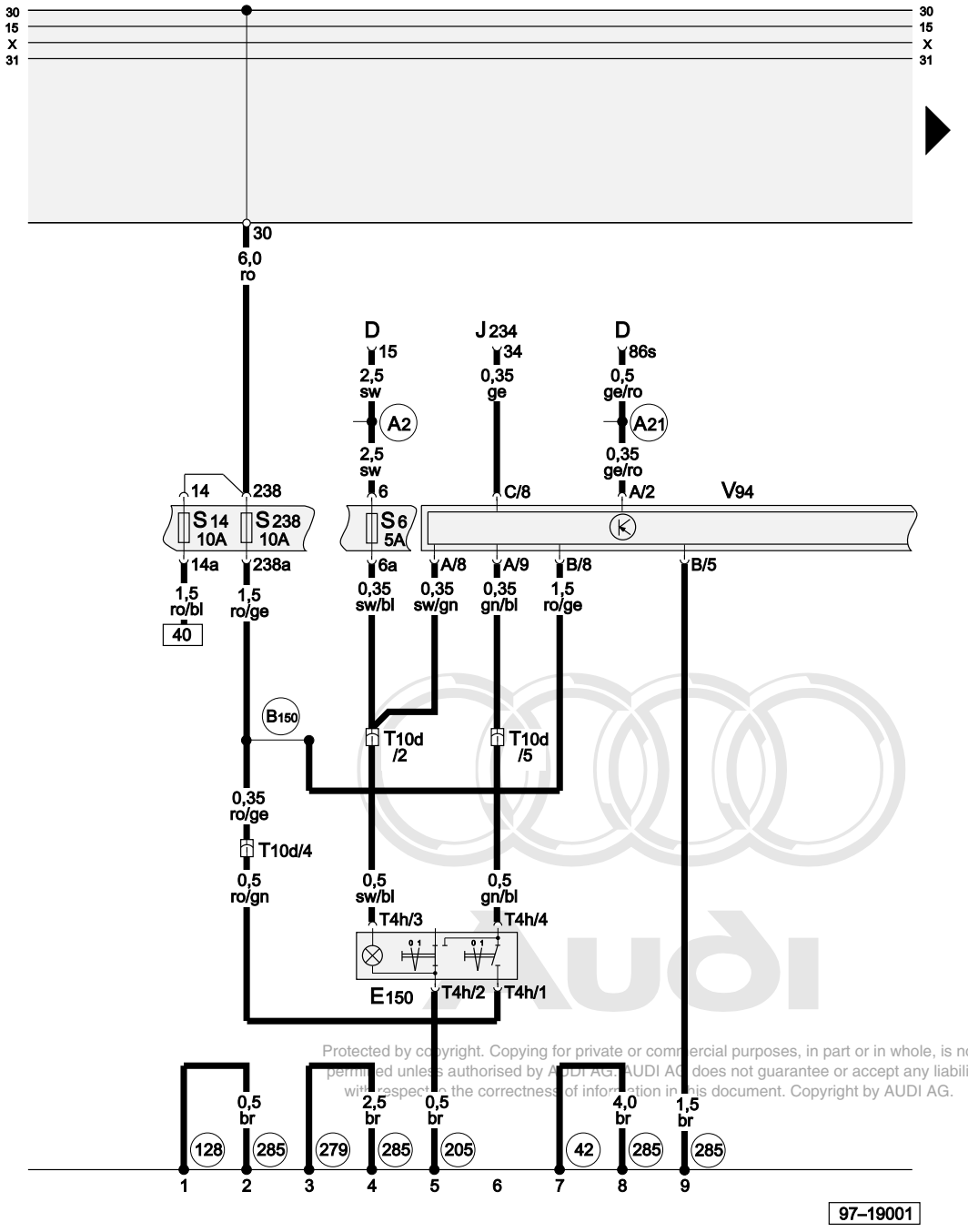


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red

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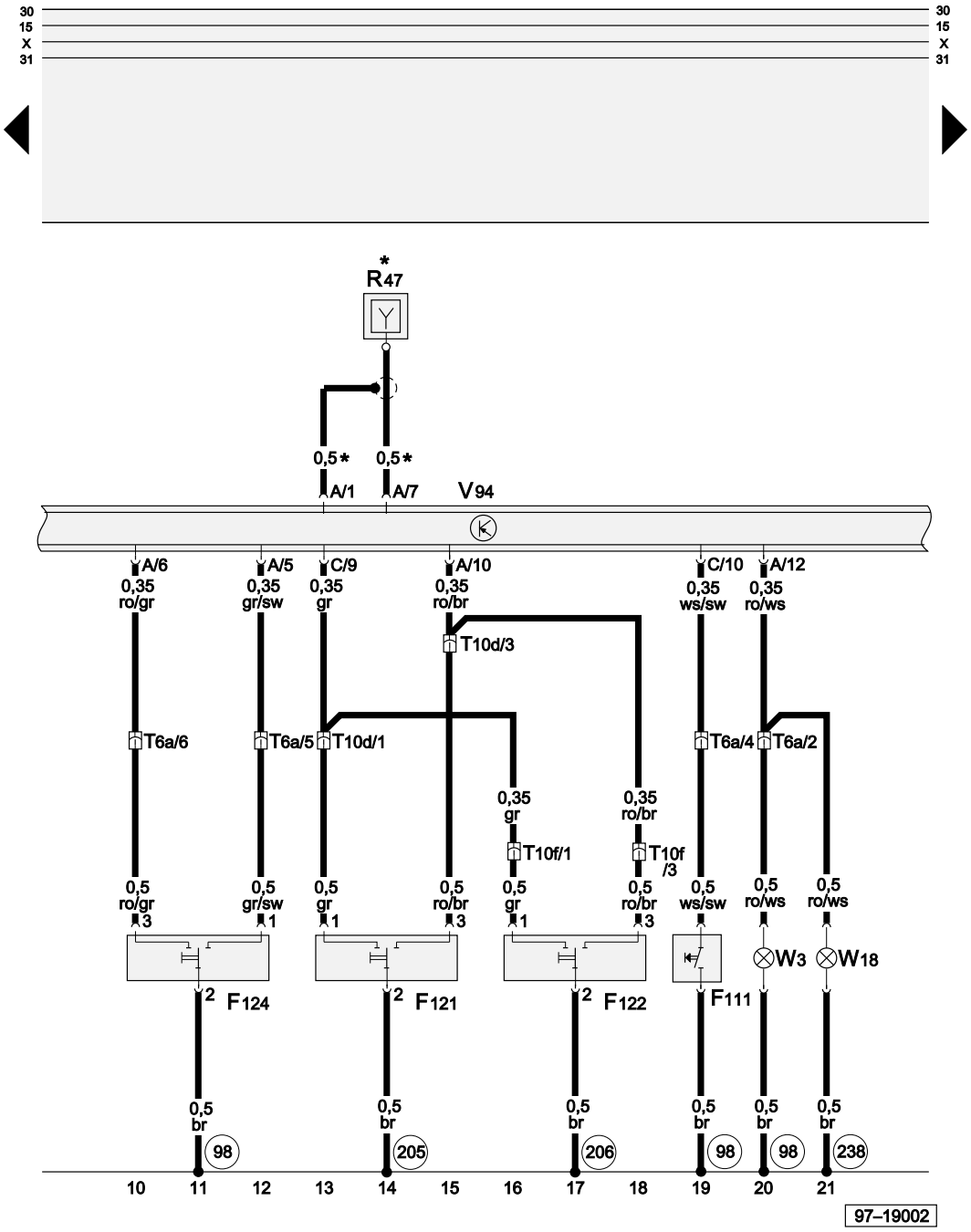


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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

D	Ignition/starter switch
E150	Interior locking switch, driver's side
J234	Airbag control unit
T4h	4-pin connector, black, 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
42	Earth point, next to steering columm
128	Earth connection -1-, in interior light wiring harness
205	Earth connection, in door wiring harness - driver's side
279	Earth connection -5-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A21	Connection (86s), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness

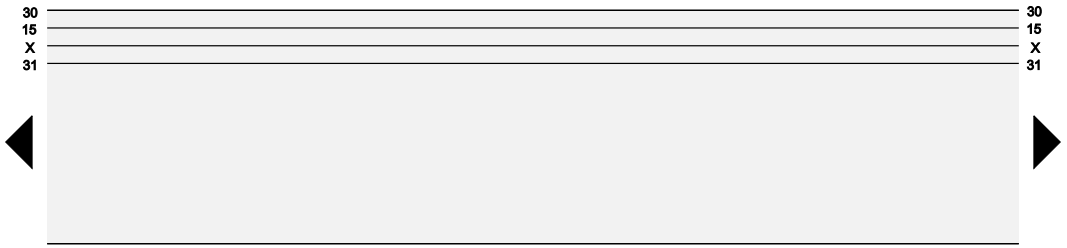


Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

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
R47	Central locking and anti-theft alarm system aerial
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
W3	Luggage compartment light
W18	Luggage compartment light, left
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
238	Earth connection -1-, in interior wiring harness
*	Only models with radio-operated remote control

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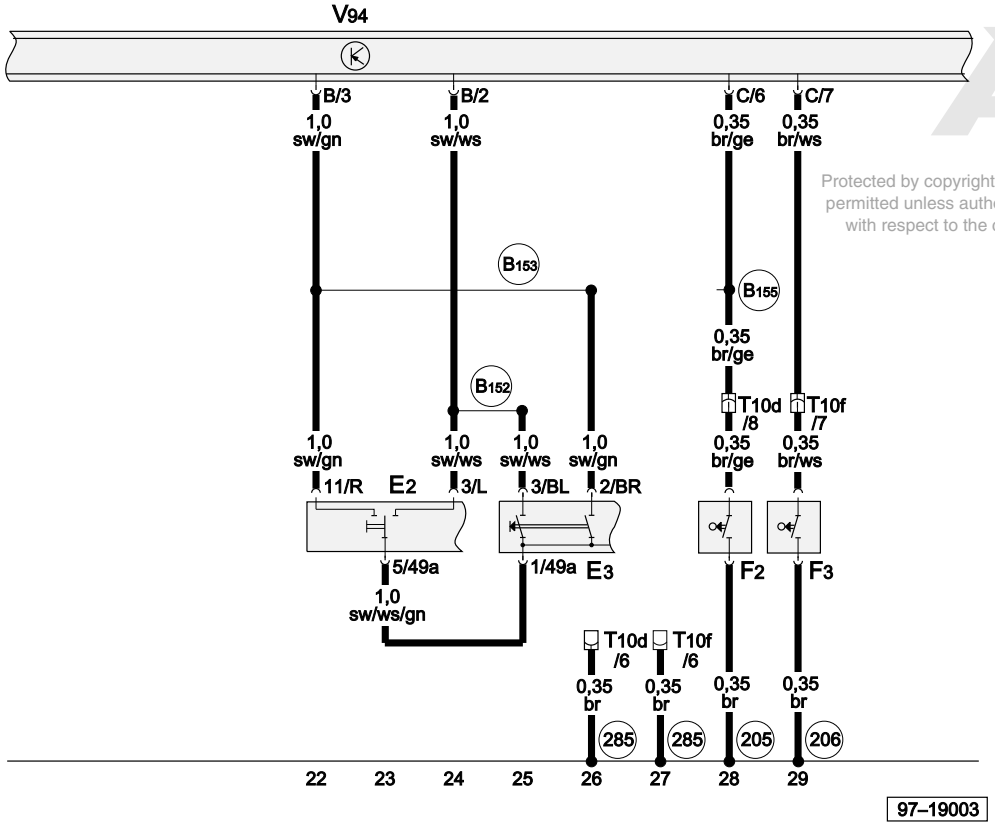
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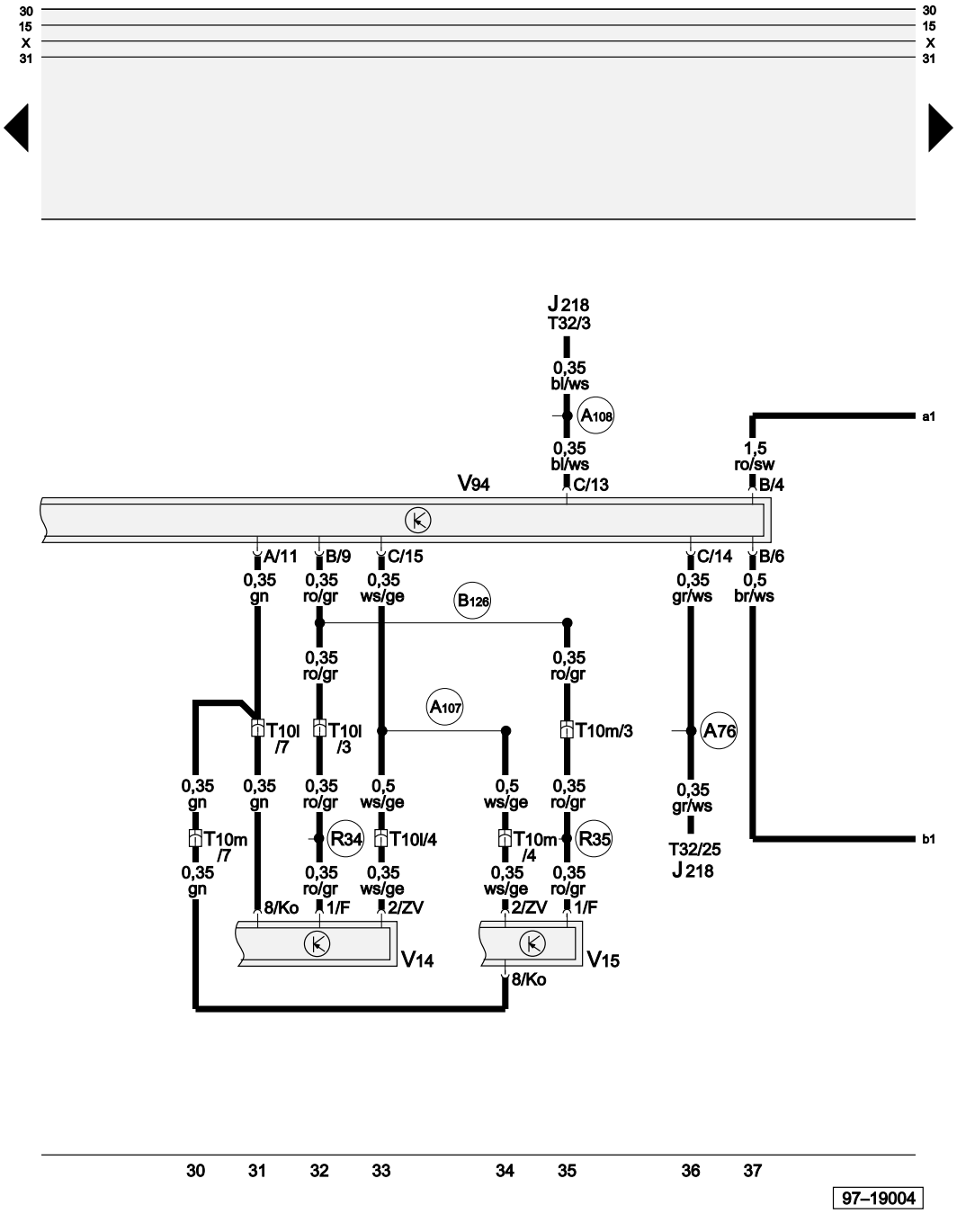
Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

E2	Turn signal switch
E3	Hazard warning light switch
F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
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
285	Earth connection -7-, in interior wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (TSR), in interior wiring harness
B155	Positive (+) connection -2- (DC), in interior wiring harness

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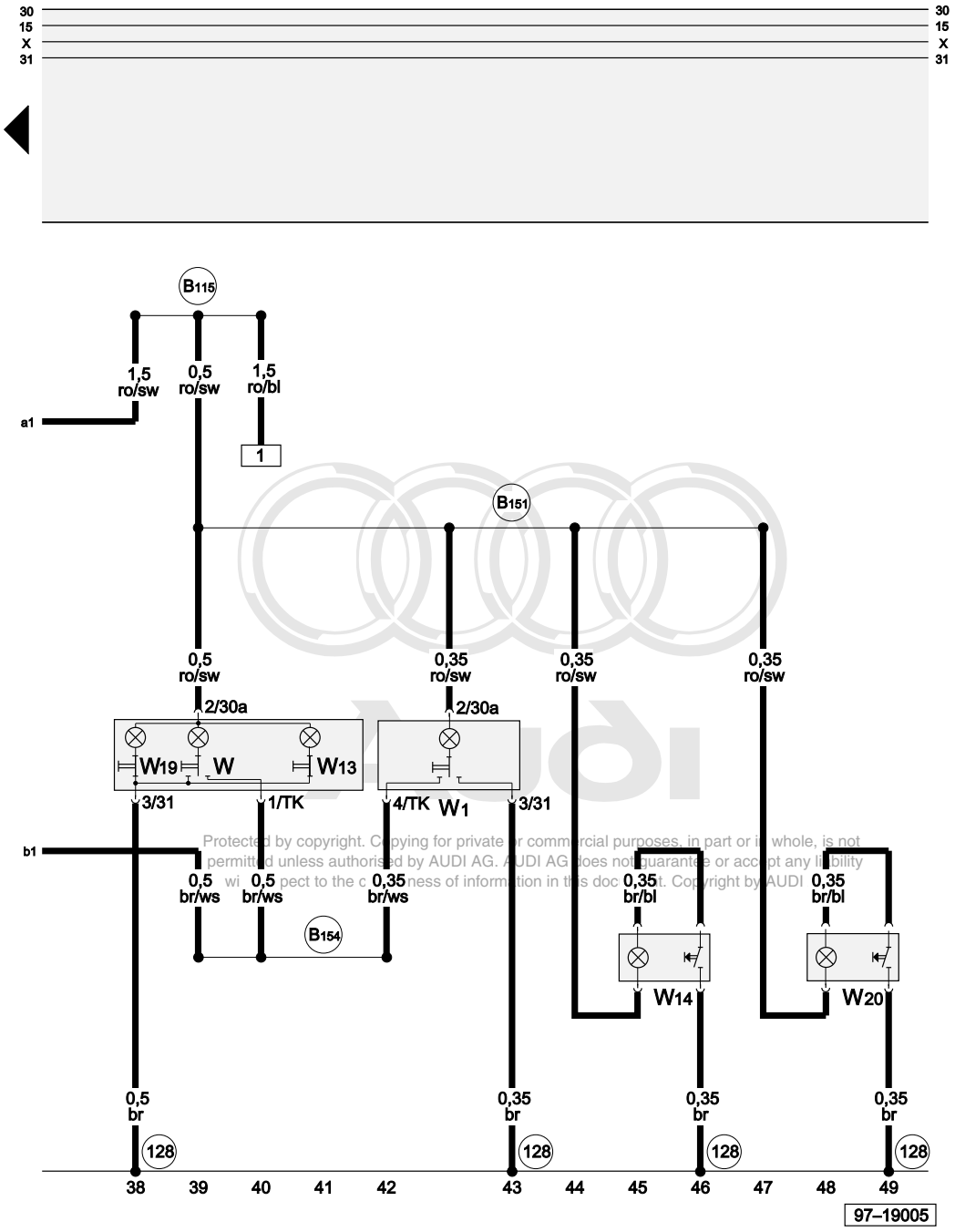


Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

J218	Combi-processor in dash panel insert
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, right
T32	32-pin connector, blue, on dash panel insert
V14	Electric window motor, left
V15	Electric window motor, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
A76	Connection (diagnosis wire K), in dash panel wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B126	Positive (+) connection (87, electric windows control unit), in electric window wiring harness
R34	Connection (87), in door wiring harness, driver's side
R35	Connection (87), in door wiring harness, front passenger's side

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Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

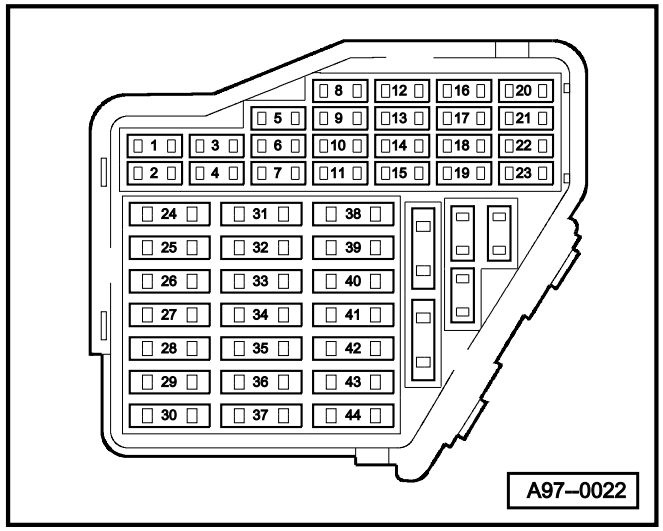
W	Interior light, front
W1	Rear interior light / luggage compartment
W13	Front passenger reading lamp
W14	Illuminated make-up mirror, front passenger's side
W19	Reading light, driver's side
W20	Illuminated make-up mirror, driver's side
128	Earth connection -1-, in interior light wiring harness
B115	Positive (+) connection (30, central electrics), in interior wiring harness
B151	Positive (+) connection -3- (30a), in interior wiring harness
B154	Connection -1- (DC), in interior wiring harness

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ge	=	yellow
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rs	=	pink

Airbags for driver's seat and front passenger's seat with belt tensioners

From model year 1997

Fuse box:

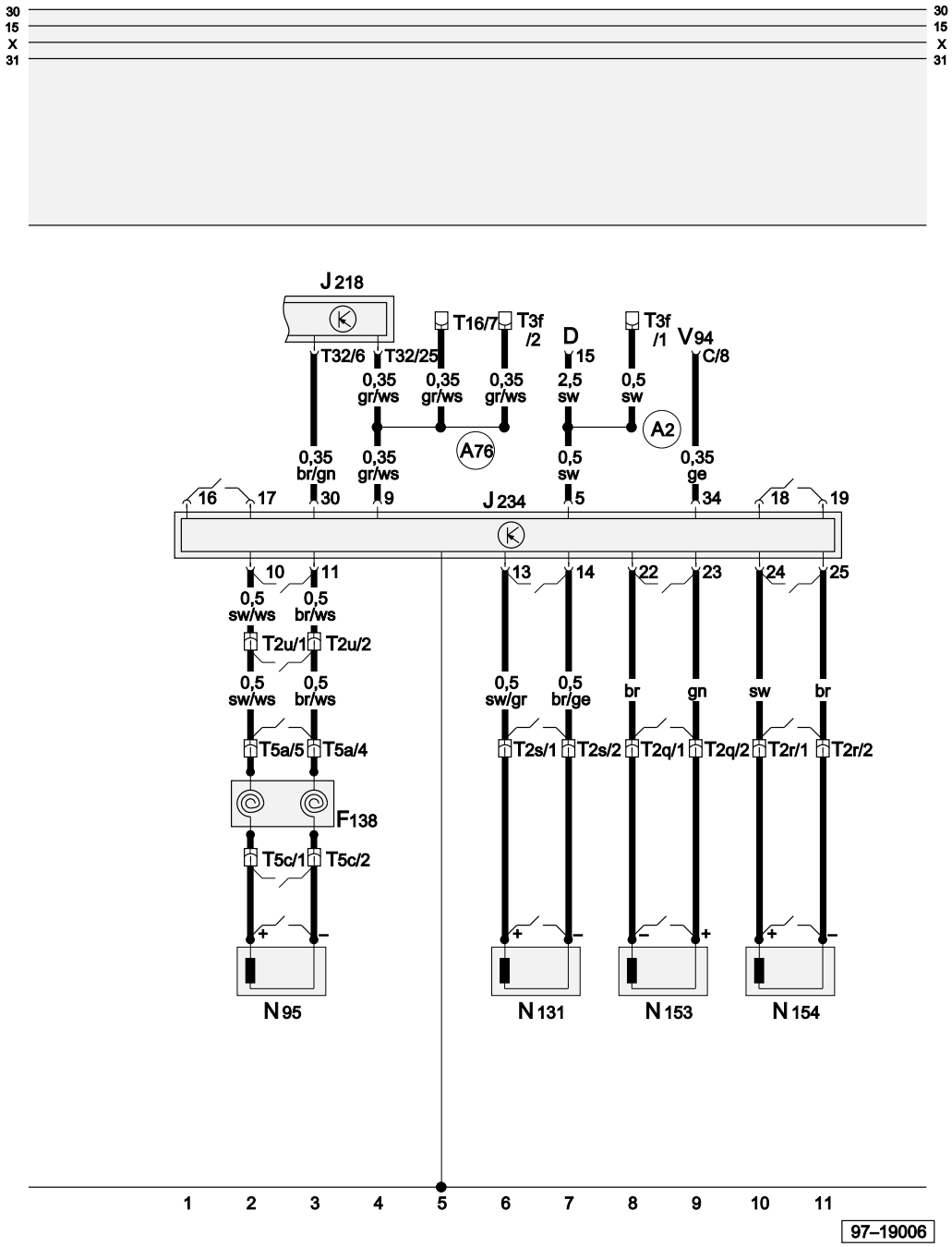


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red



Airbags for driver's seat and front passenger's seat with belt tensioners

D	Ignition/starter switch
F138	Airbag coil connector
J218	Combi-processor in dash panel insert
J234	Airbag control unit
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
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
T2u	2-pin connector, behind dash panel, centre
T3f	3-pin connector, wrapped in wiring harness, near front passenger's airbag
T5a	5-pin connector, yellow, behind steering column switch trim
T5c	5-pin connector, yellow, in steering wheel
T16	16-pin connector, centre console, rear (diagnosis connection)
T32	32-pin connector, blue, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
A2	Positive (+) connection (15), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel 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

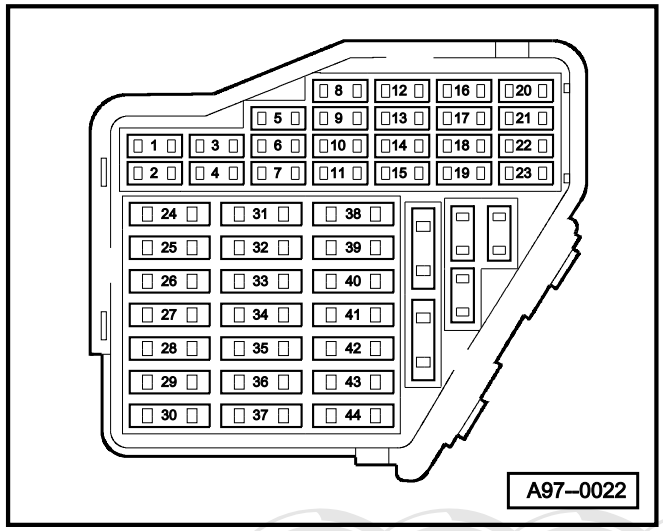
ws	=	white
sw	=	black
ro	=	red
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Electric sliding roof with automatic preselector

From model year 1997

Fuse box:

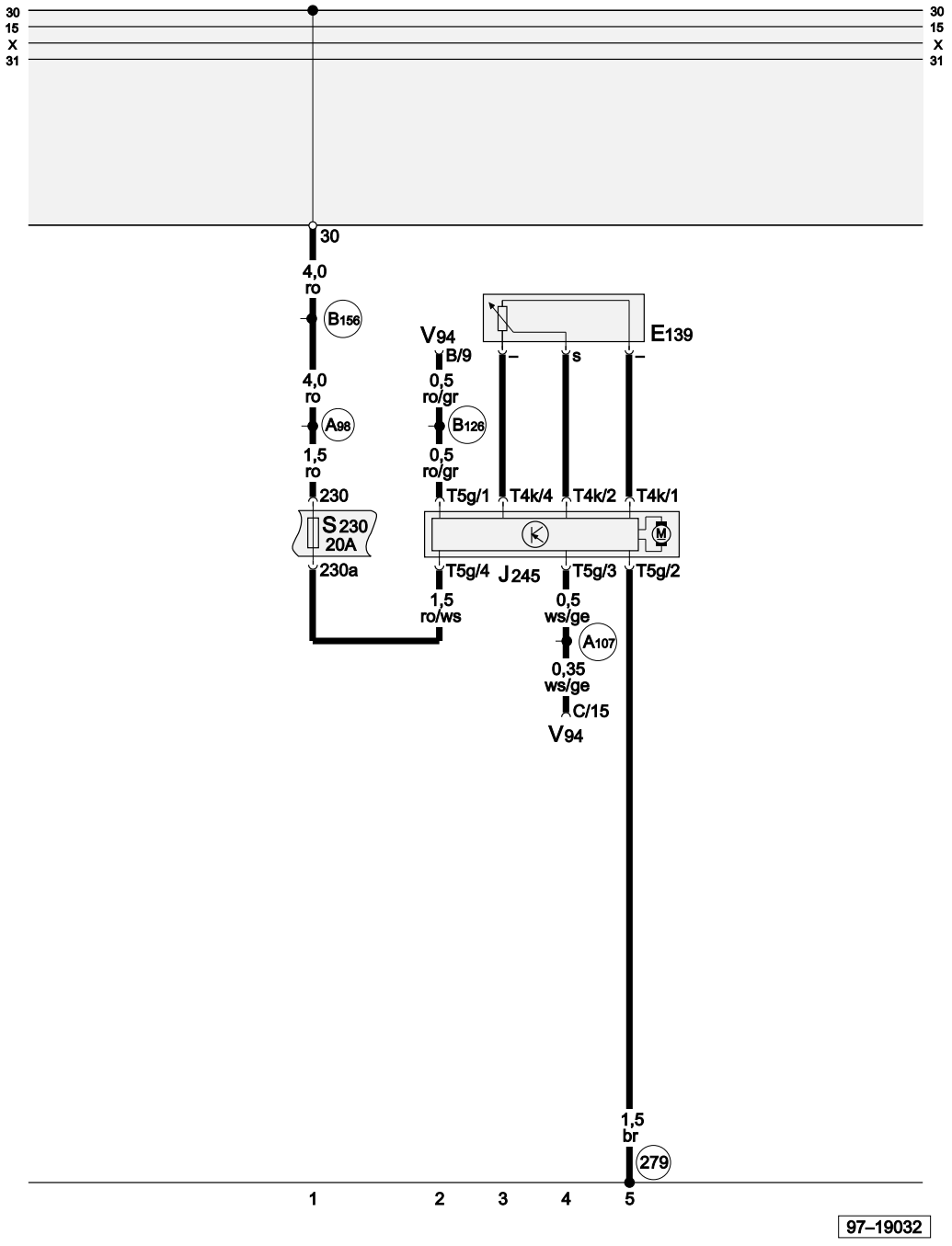


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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Electric sliding roof with automatic preselector

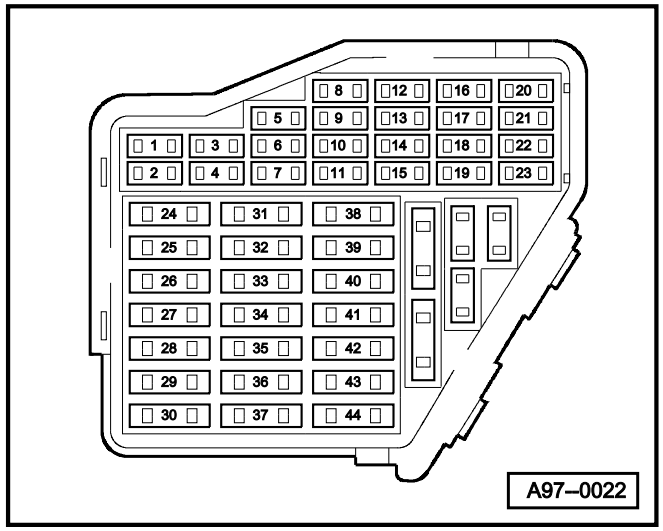
E139	Sliding sunroof adjustment regulator
J245	Sliding sunroof adjustment control unit
T4k	4-pin connector, near interior light, front
T5g	5-pin connector, near interior light, front
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
279	Earth connection --5-, in interior wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
B126	Connection (87, window lifter control unit), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

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Headlight washer system

From model year 1997

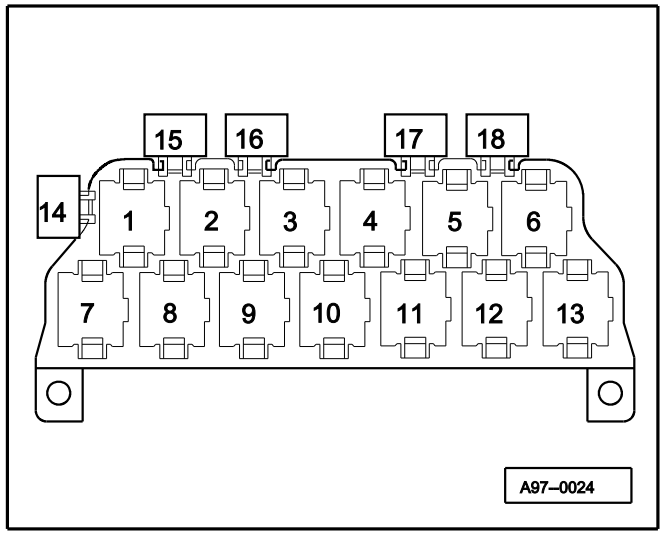
Fuse box:



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13-point relay carrier:



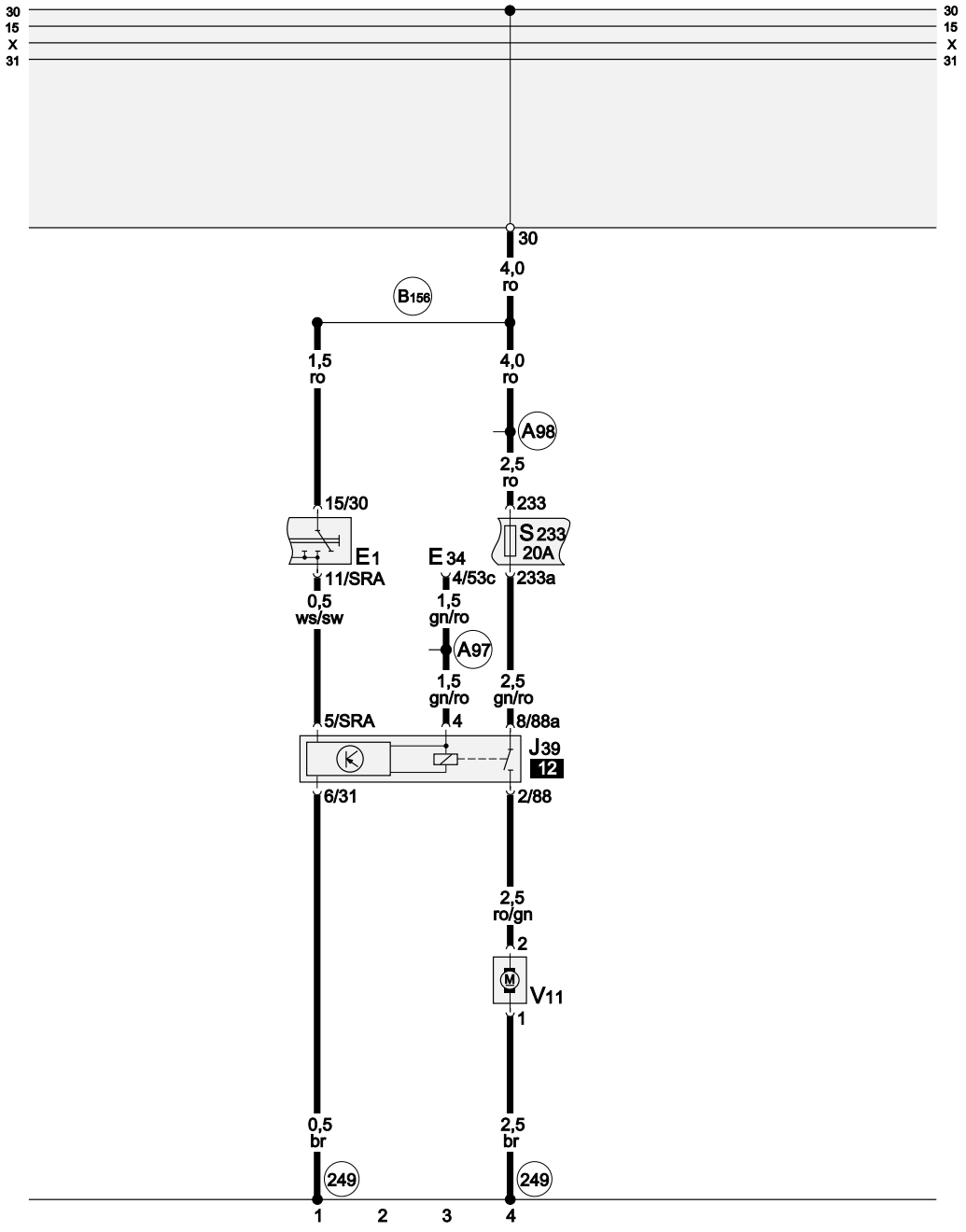
Position of relays:

12 - Headlight washer system relay

Fuse colours

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

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Headlight washer system

E1	Lighting switch
E34	Rear wiper switch
J39	Headlight washer system relay
V11	Headlight washer system pump
249	Earth connection -2-, in interior wiring harness
A97	Connection (53), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

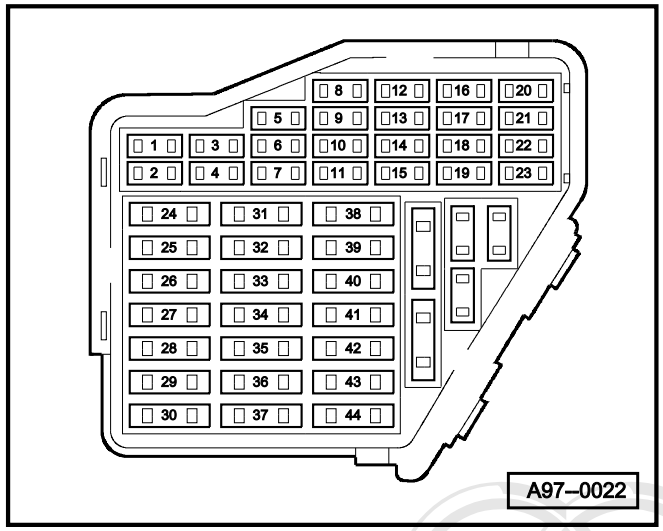
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Trailer coupling

From model year 1997

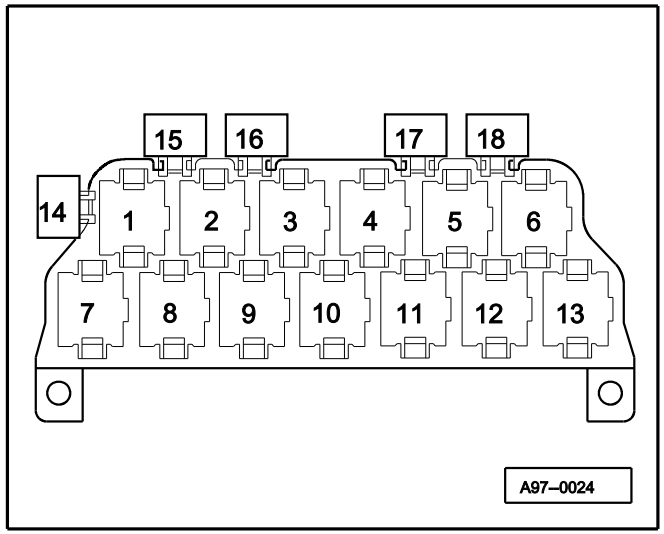
Fuse box:



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:



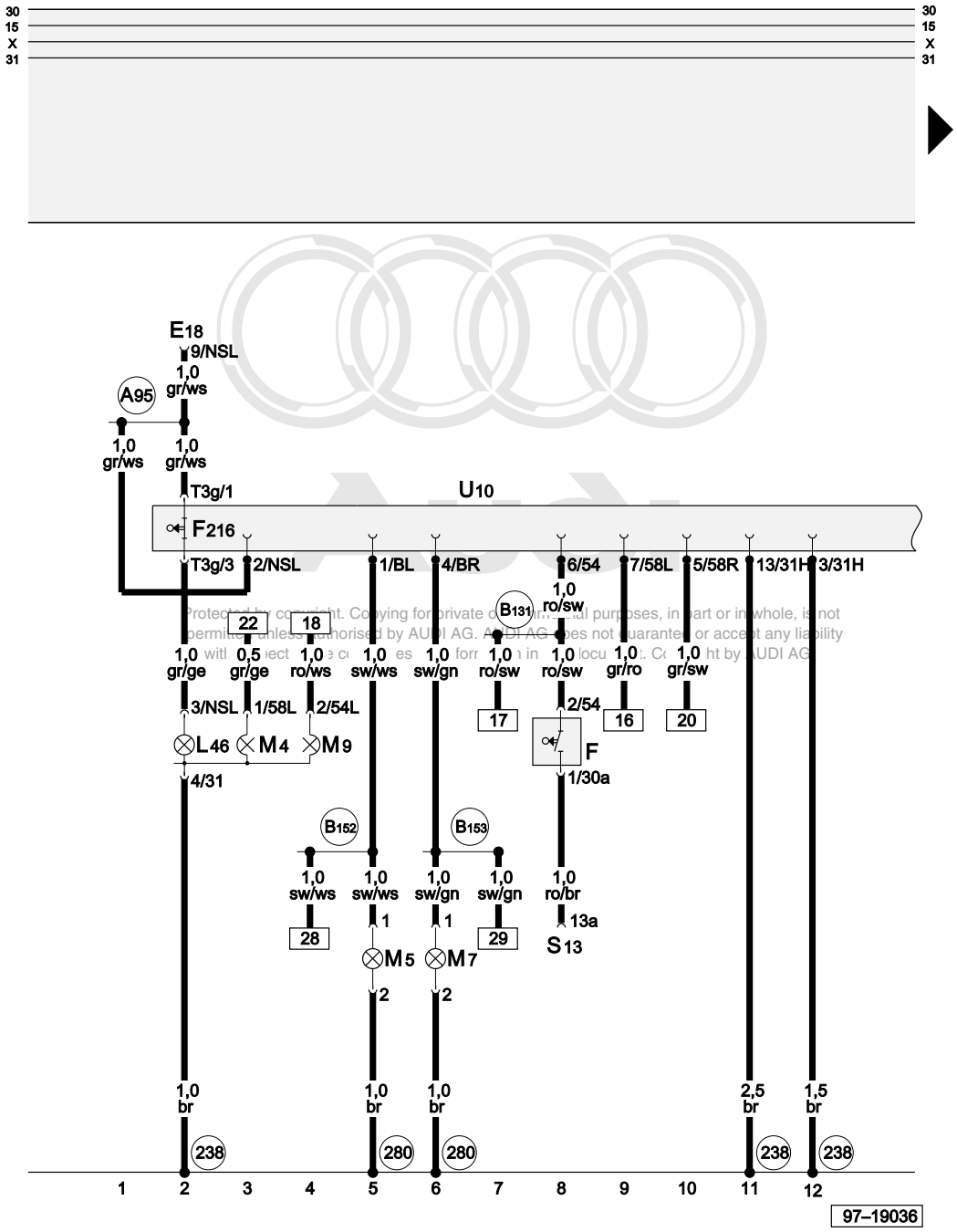
Position of relays:

2 - Bulb monitoring device
3 - Bulb monitoring device

Fuse colours

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

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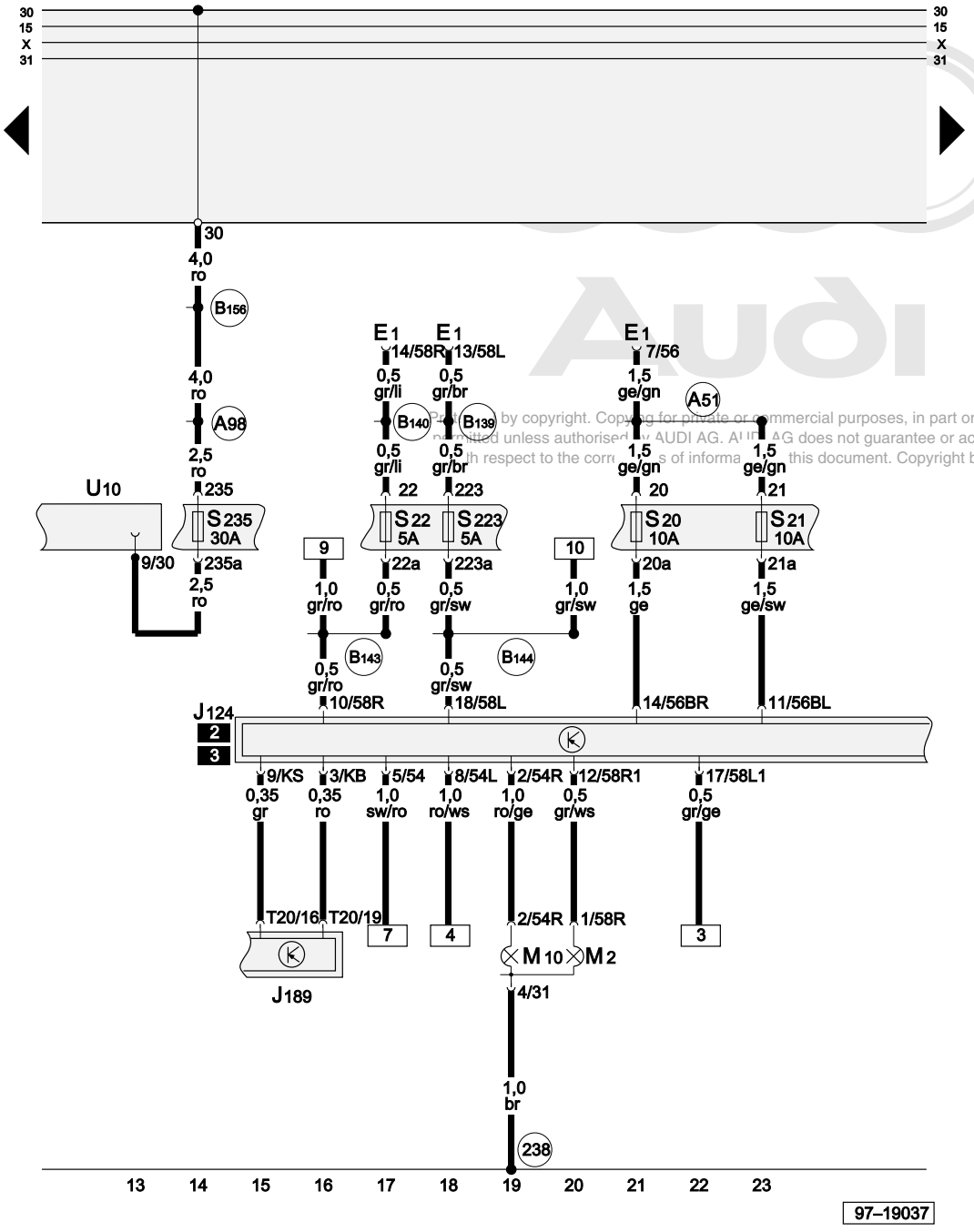


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Trailer coupling

E18	Rear fog light switch
F	Brake light switch
F216	Rear fog light cut-out, contact switch
L46	Rear fog light bulb, left
M4	Tail light bulb, left
M5	Turn signal bulb, front left
M7	Turn signal bulb, front right
M9	Brake light bulb, left
T3g	3-pin connector, on trailer socket
U10	Trailer socket
238	Earth connection -1-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A95	Connection (RFL), in dash panel wiring harness
B131	Positive (+) connection (54), in interior wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (TSR), in interior wiring harness

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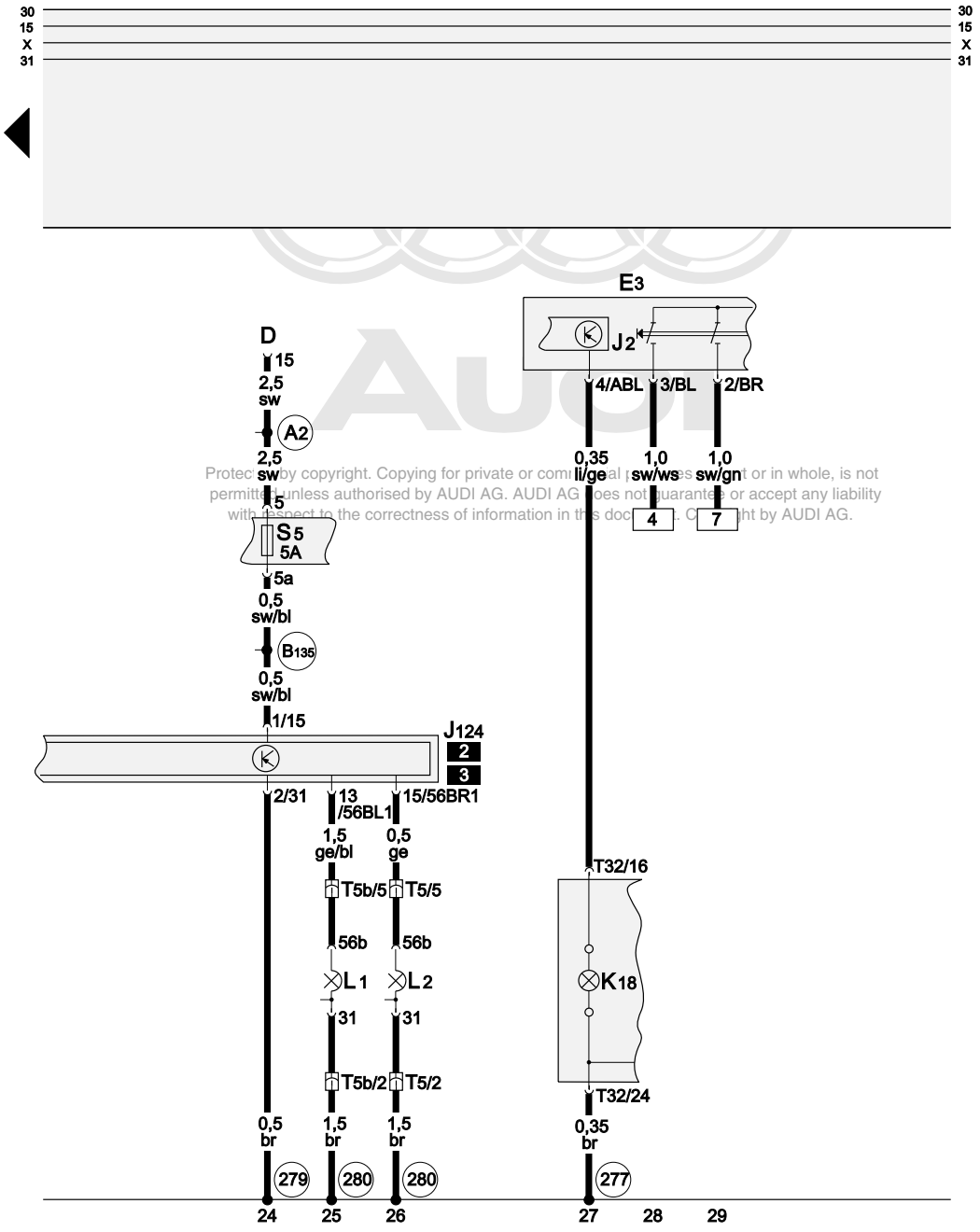


ws = white
sw = black
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Trailer coupling

E1	Lighting switch
J124	Bulb monitoring device, rear
J189	Auto-check system
M2	Tail light bulb, right
M10	Brake light bulb, right
U10	Trailer socket
238	Earth connection -1-, in interior wiring harness
A51	Connection (56), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B139	Connection (PLL), in interior wiring harness
B140	Connection (PLR), in interior wiring harness
B143	Positive (+) connection (58R), in interior wiring harness
B144	Positive (+) connection (58L), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

Audi
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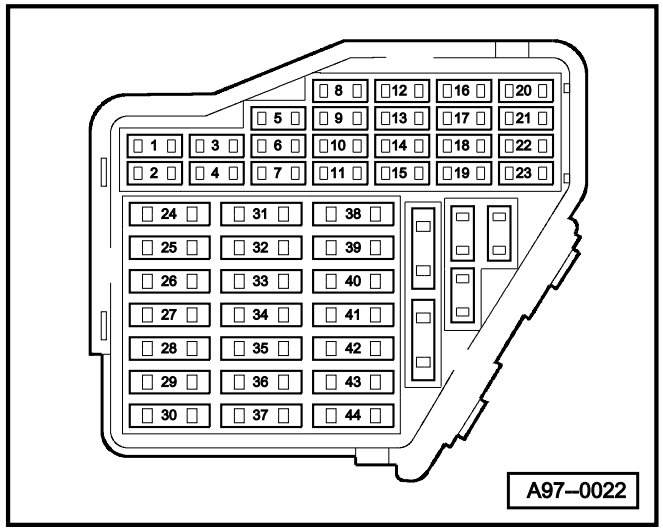
Trailer coupling

D	Ignition/starter switch
E3	Hazard warning light switch
J2	Hazard warning light relay
J124	Bulb monitoring device, rear
K18	Trailer operation warning lamp
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
T32	32-pin connector, blue, on dash panel insert
277	Earth connection --3-, in interior wiring harness
279	Earth connection --5-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
B135	Connection (15a), in interior wiring harness

Electric window lifters, 2-door (with roll back)

From model year 1997

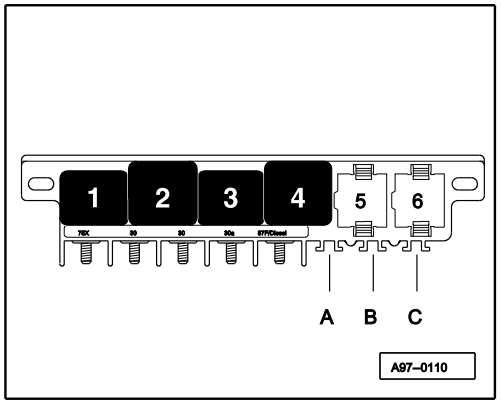
Fuse box:



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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.

Micro-central electrics:



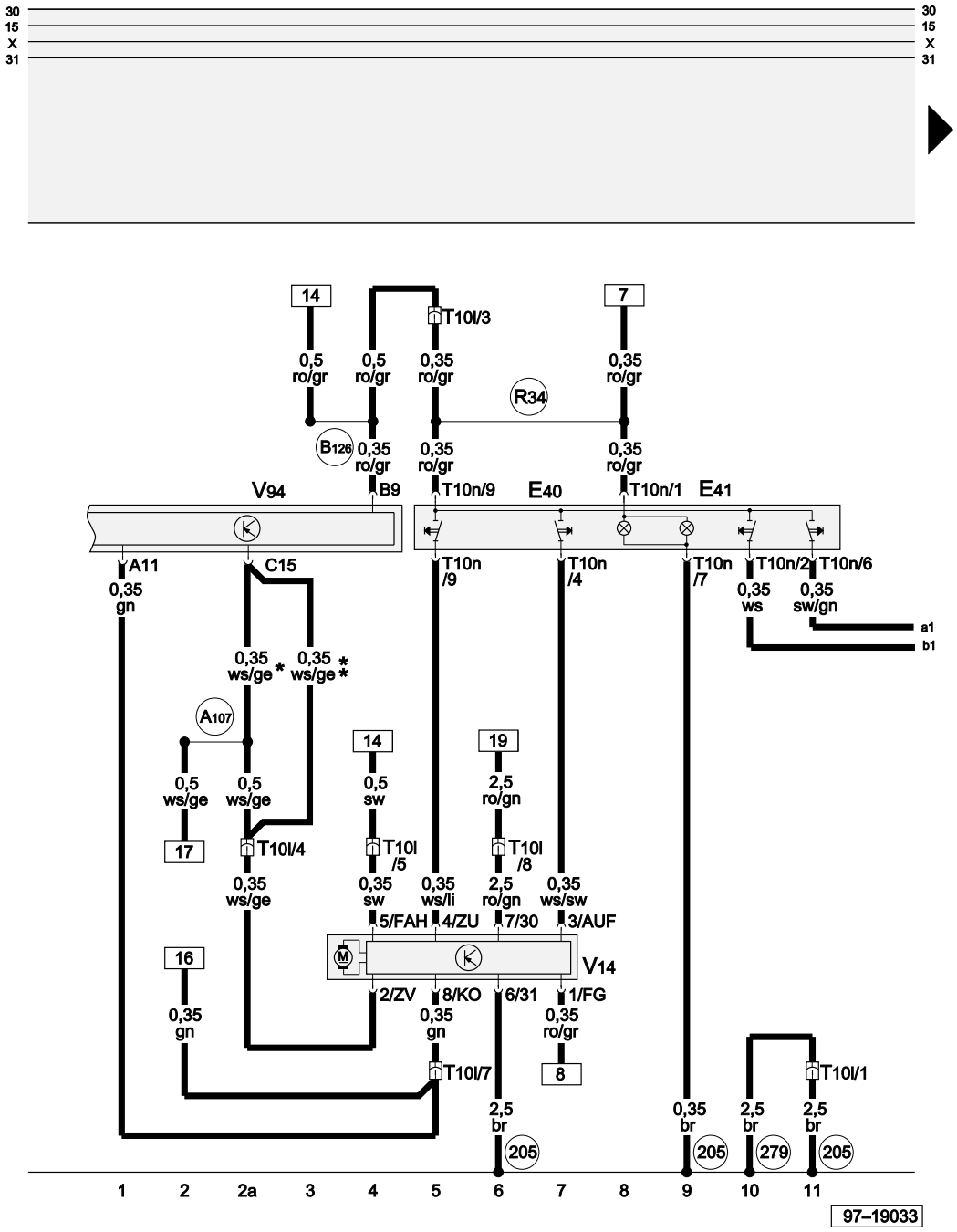
Position of fuses:

C - Window lifter single fuse

Fuse colours

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

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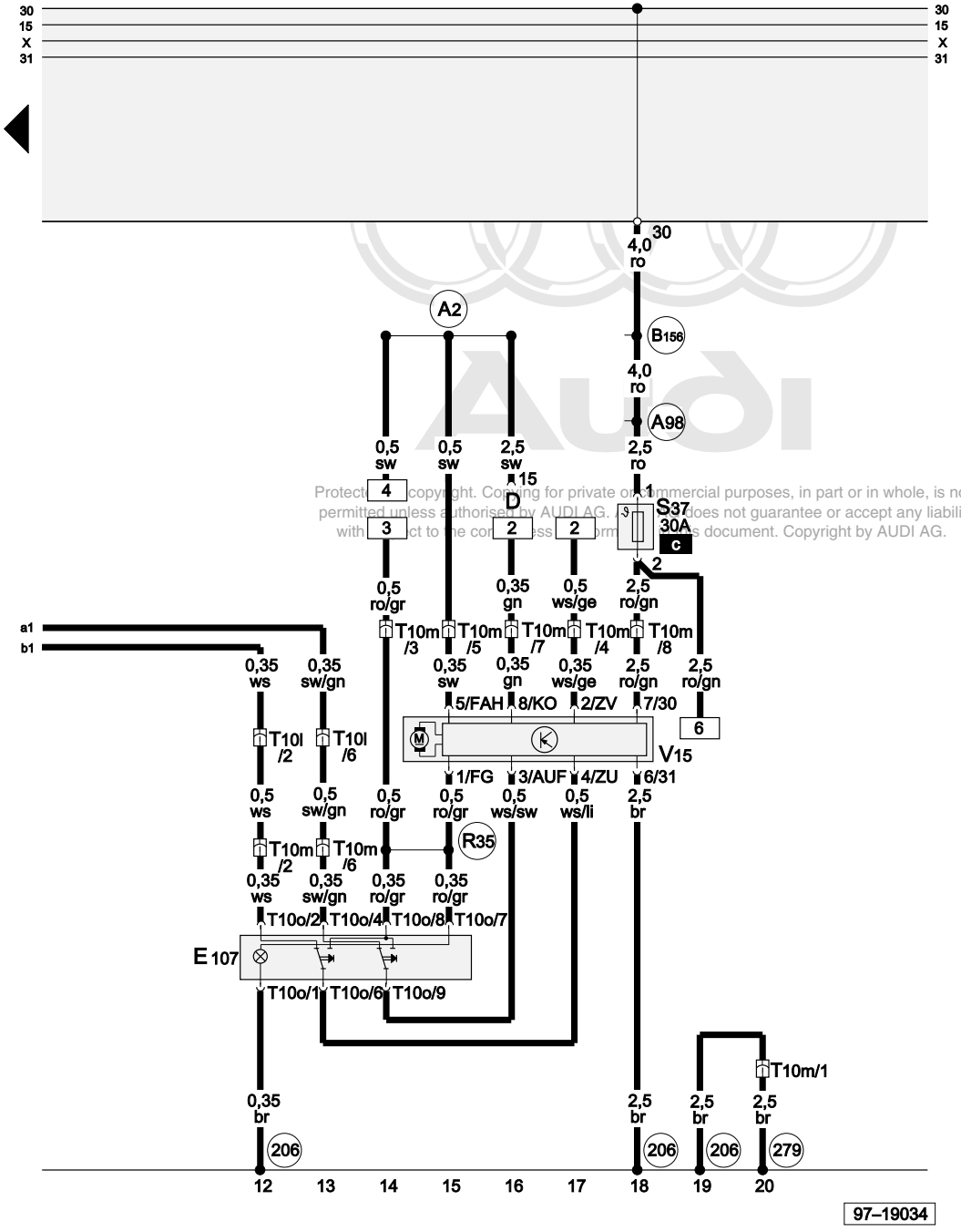


Electric window lifters, 2-door (with roll back)

E40	Electric window switch, front left (in driver's door)
E41	Electric window switch, front right (in driver's door)
T10l	10-pin connector, red, connector carrier, A pillar, left
T10n	10-pin connector, in door, left
V14	Electric window motor, 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
279	Earth connection -5-, in interior wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
B126	Connection (87, electric windows control unit), in electric window wiring harness
R34	Connection (87), in door wiring harness, driver's side
*	Applicable up 1998 model year only
**	Applicable from model year 1999

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or	=	orange
rs	=	pink



Electric window lifters, 2-door (with roll back)

D	Ignition/starter switch
E107	Electric window switch, front right (in front passenger's door)
S37	Electric window single fuse
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 door, right
V15	Electric window motor, right
206	Earth connection, in door wiring harness - front passenger's side
279	Earth connection --5-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
R35	Connection (87), in door wiring harness, front passenger's side

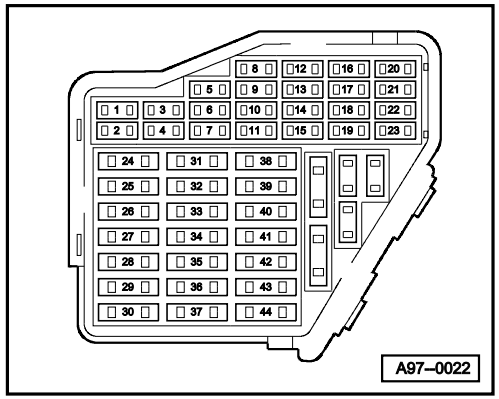
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Heated seats

From model year 1997

Fuse box:

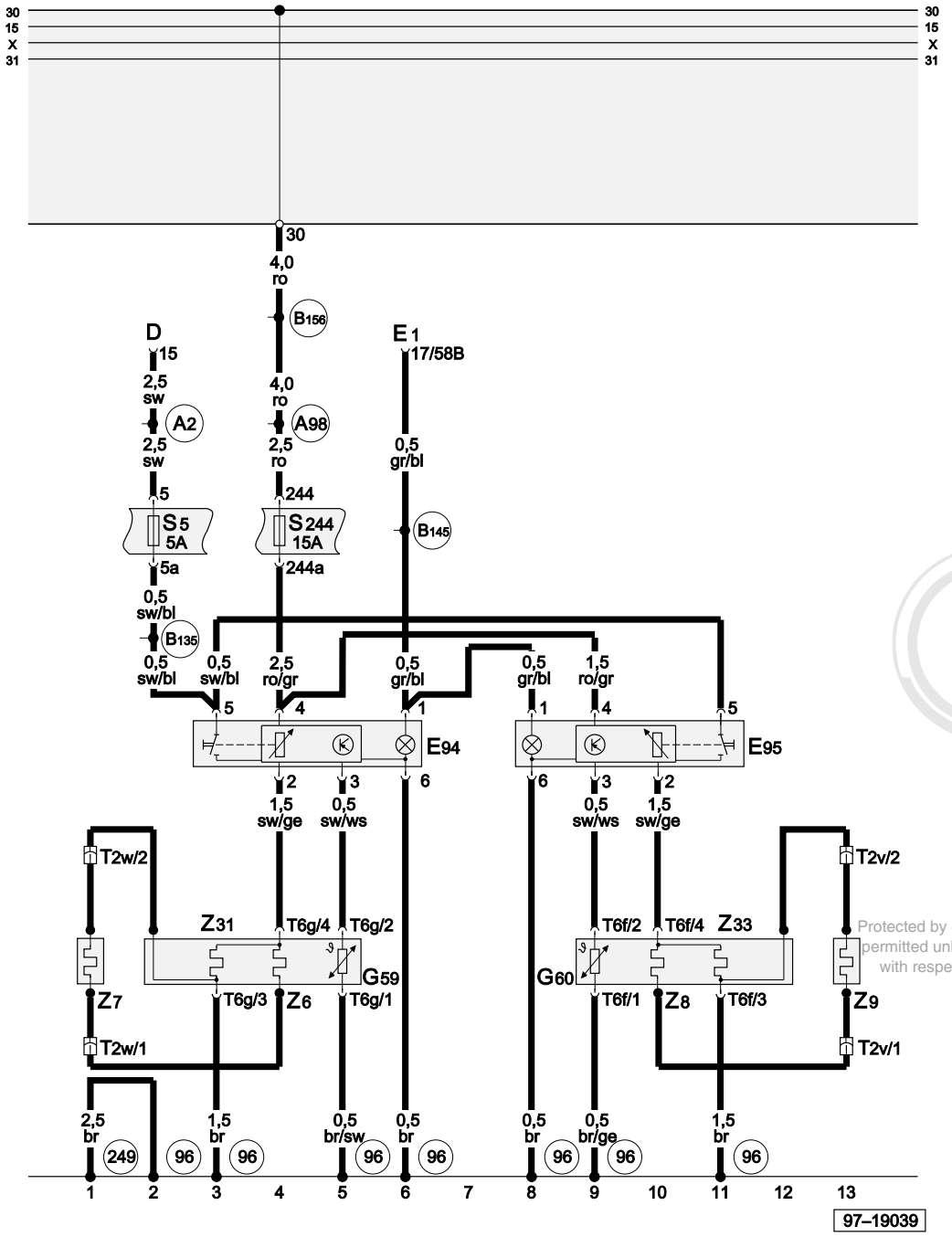


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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Heated seats

D	Ignition/starter switch
E1	Lighting switch
E94	Heated driver's seat adjuster
E95	Heated front passenger's seat adjuster
G59	Driver's seat temperature sensor
G60	Front passenger's seat temperature sensor
T2v	2-pin connector, in front passenger's seat
T2w	2-pin connector, in driver's seat
Z6	Heated driver's seat
Z7	Heated driver's seat backrest
Z8	Heated front passenger's seat
Z9	Heated front passenger's seat backrest
Z31	Seat lateral support heater, driver's seat
Z33	Seat lateral support heater, front passenger's seat
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	Positive (+) connection (15a), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

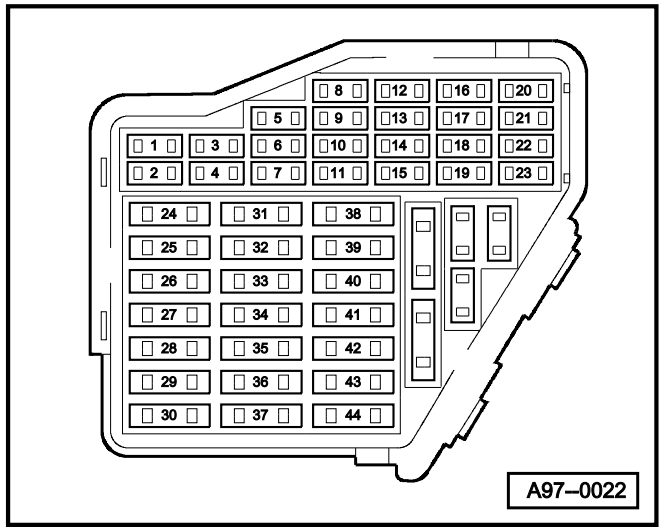
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Electric seat adjustment

From model year 1997

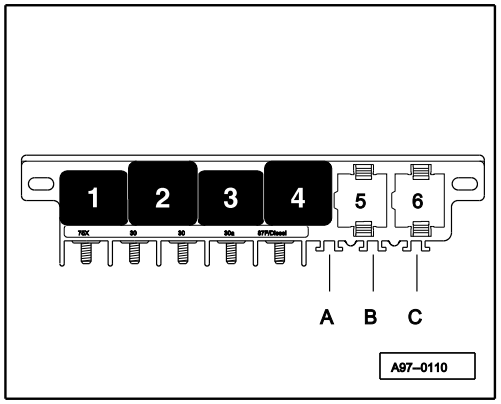
Fuse box:



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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.

Micro-central electrics:



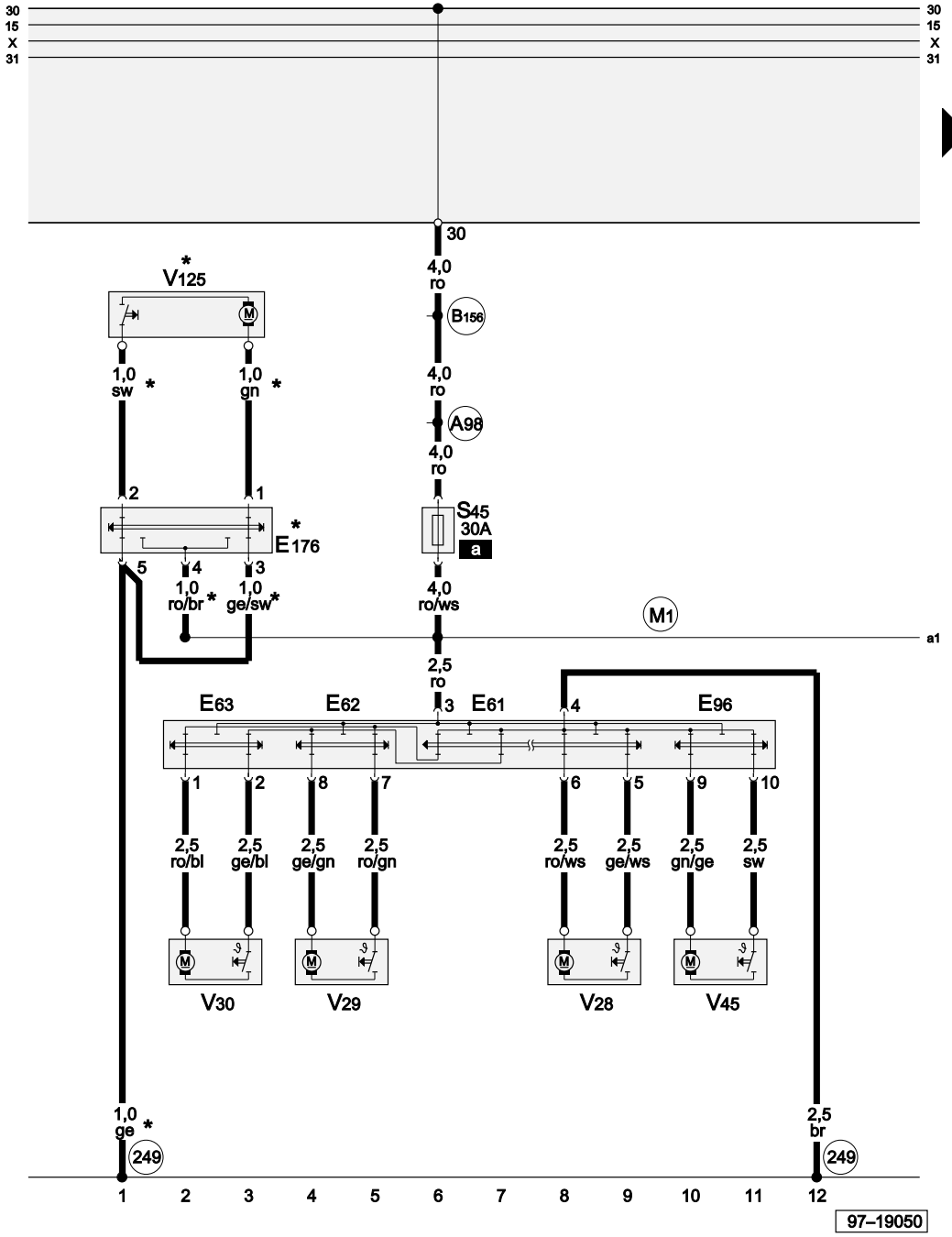
Position of relays:

a - Seat adjustment fuse

Fuse colours

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

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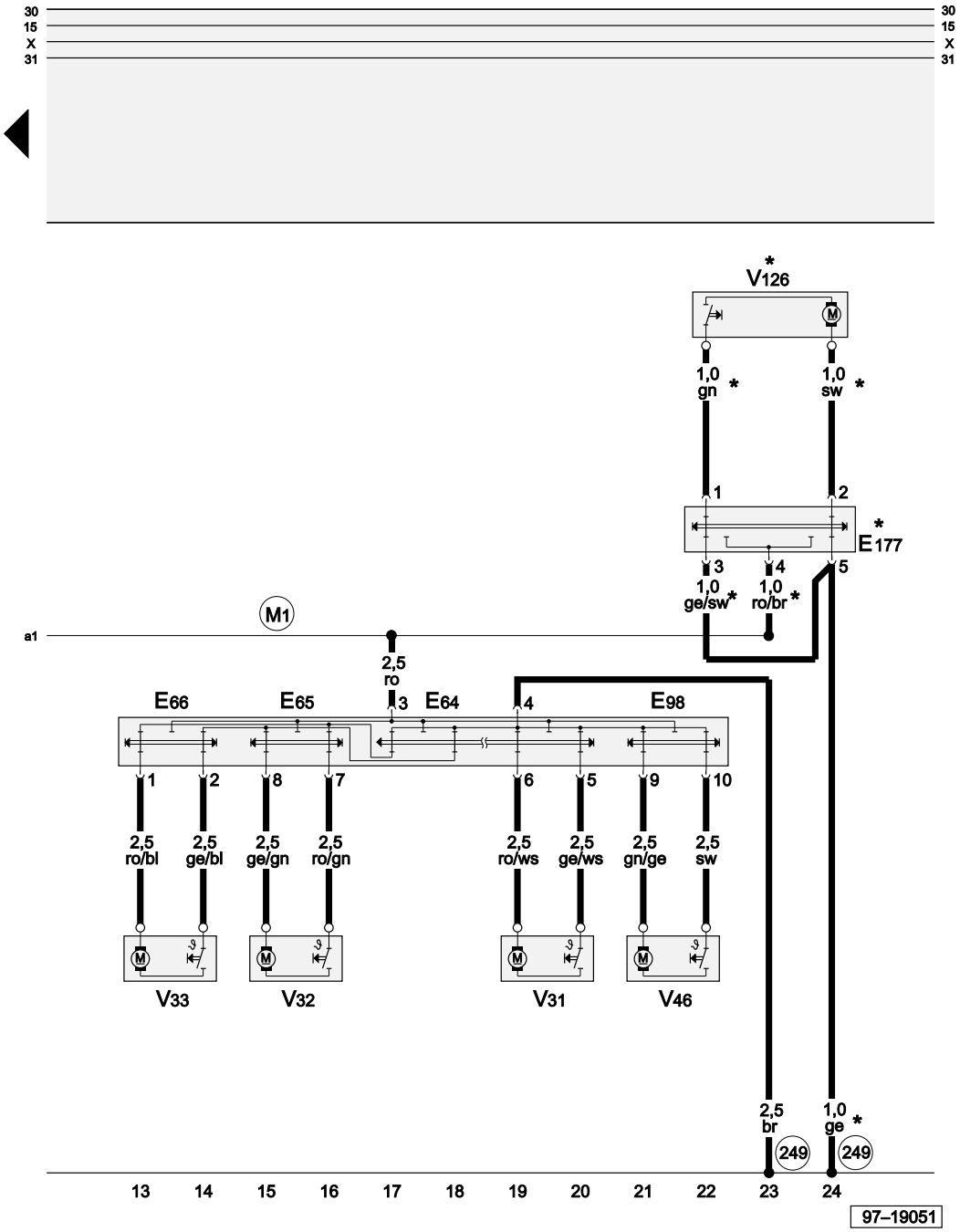


Electric seat adjustment, driver's seat

E61	Switch for driver's seat height and longitudinal adjustment
E62	Front height adjustment switch, driver's seat
E63	Rear height adjustment switch, driver's seat
E96	Backrest adjustment switch, driver's seat
E176	Lumbar support adjustment switch, driver's seat
S45	Seat adjustment fuse
V28	Longitudinal adjustment motor, driver's seat
V29	Front height adjustment motor, driver's seat
V30	Seat rear height adjustment motor, 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- (30a), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
M1	Positive (+) connection -1- (30), in seat adjustment wiring harness
*	Only models with lumbar support adjustment

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Electric seat adjustment, front passenger's seat

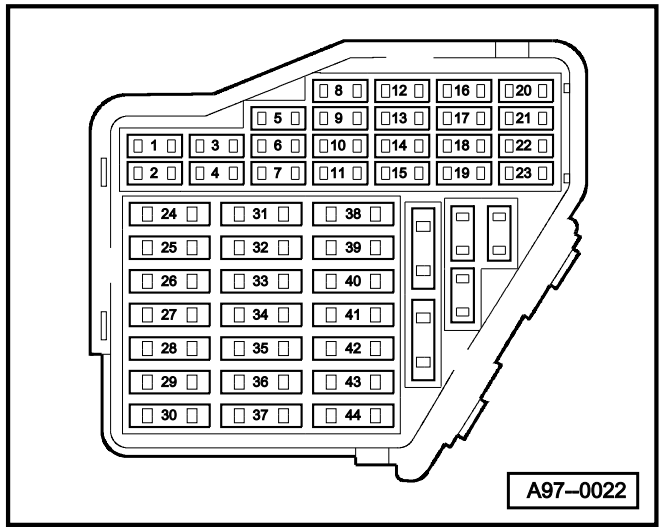
E64	Longitudinal adjustment switch, front passenger's seat
E65	Front height adjustment switch, front passenger's seat
E66	Rear height adjustment switch, front passenger's seat
E98	Backrest adjustment switch, front passenger's seat
E177	Lumbar support adjustment switch, front passenger's seat
V31	Seat longitudinal adjustment motor, front passenger's seat
V32	Seat front height adjustment motor, front passenger's seat
V33	Seat rear height adjustment motor, 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
M1	Positive (+) connection -1- (30), in interior wiring harness
*	Only models with lumbar support adjustment

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Air conditioner with automatic control

From model year 1997

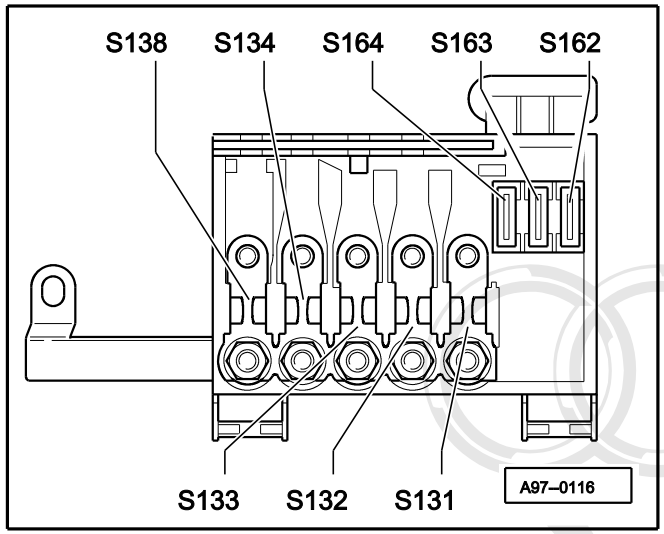
Fuse box:



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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Main fuse box/battery:



Position of fuses:

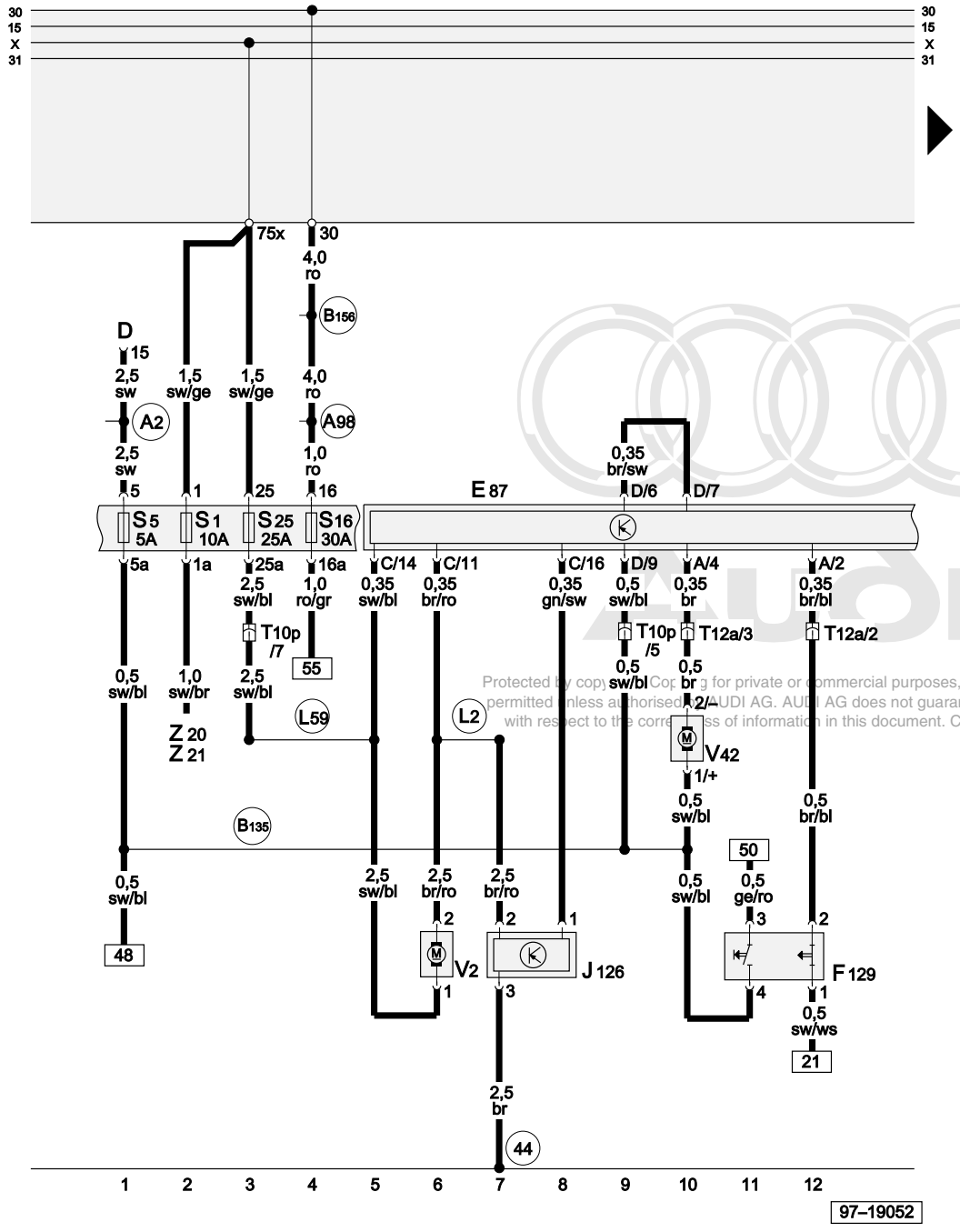
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - 1 in fuse box/battery
S163 - 2 in fuse box/battery
S164 - 3 in fuse box/battery
S133 - S132

S131

Fuse colours

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

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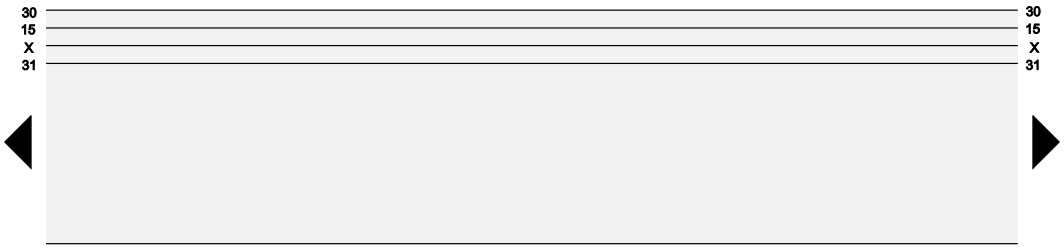


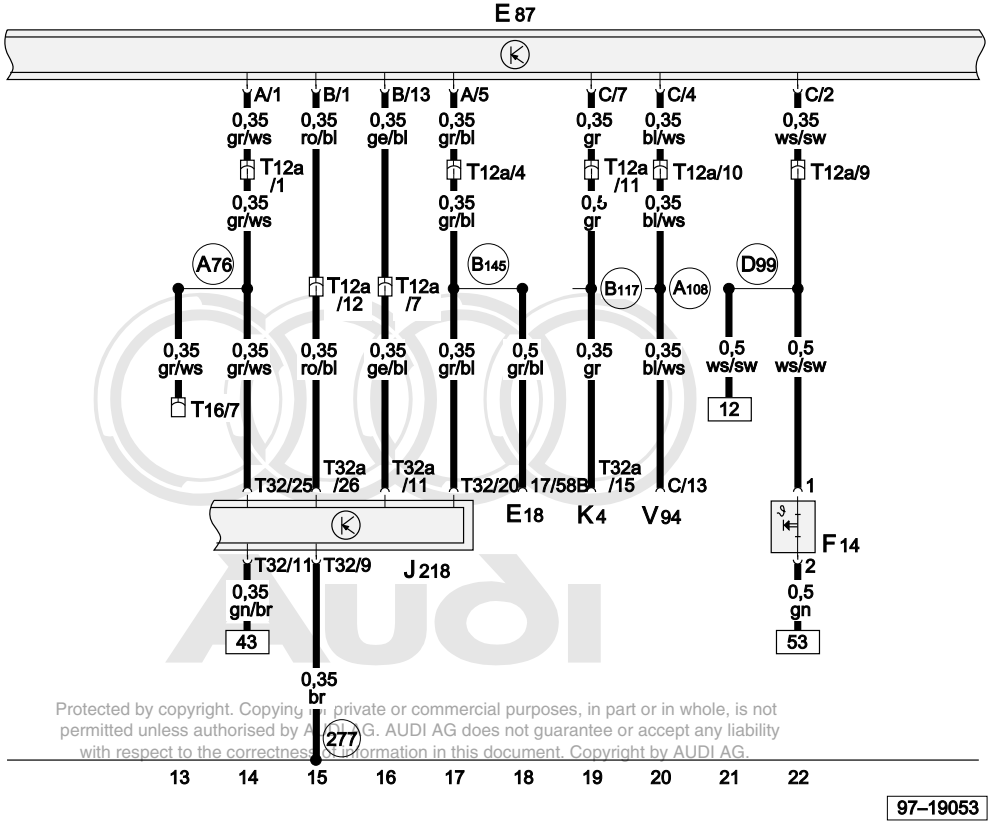
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Air conditioner with automatic control

D	Ignition/starter switch
E87	Control and display unit for air conditioner
F129	Air conditioner pressure switch
J126	Fresh air blower control unit
T10p	10-pin connector, behind dash panel, right
T12a	12-pin connector, behind dash panel, right
V2	Fresh air blower
V42	Temperature sensor blower
Z20	Heater element, left washer jet
Z21	Heater element, right washer jet
44	Earth point, lower part of left A-pillar
A2	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B135	Connection (15a), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
L2	Connection, in air conditioner wiring harness
L59	Positive (+) connection (30), in heater unit wiring harness



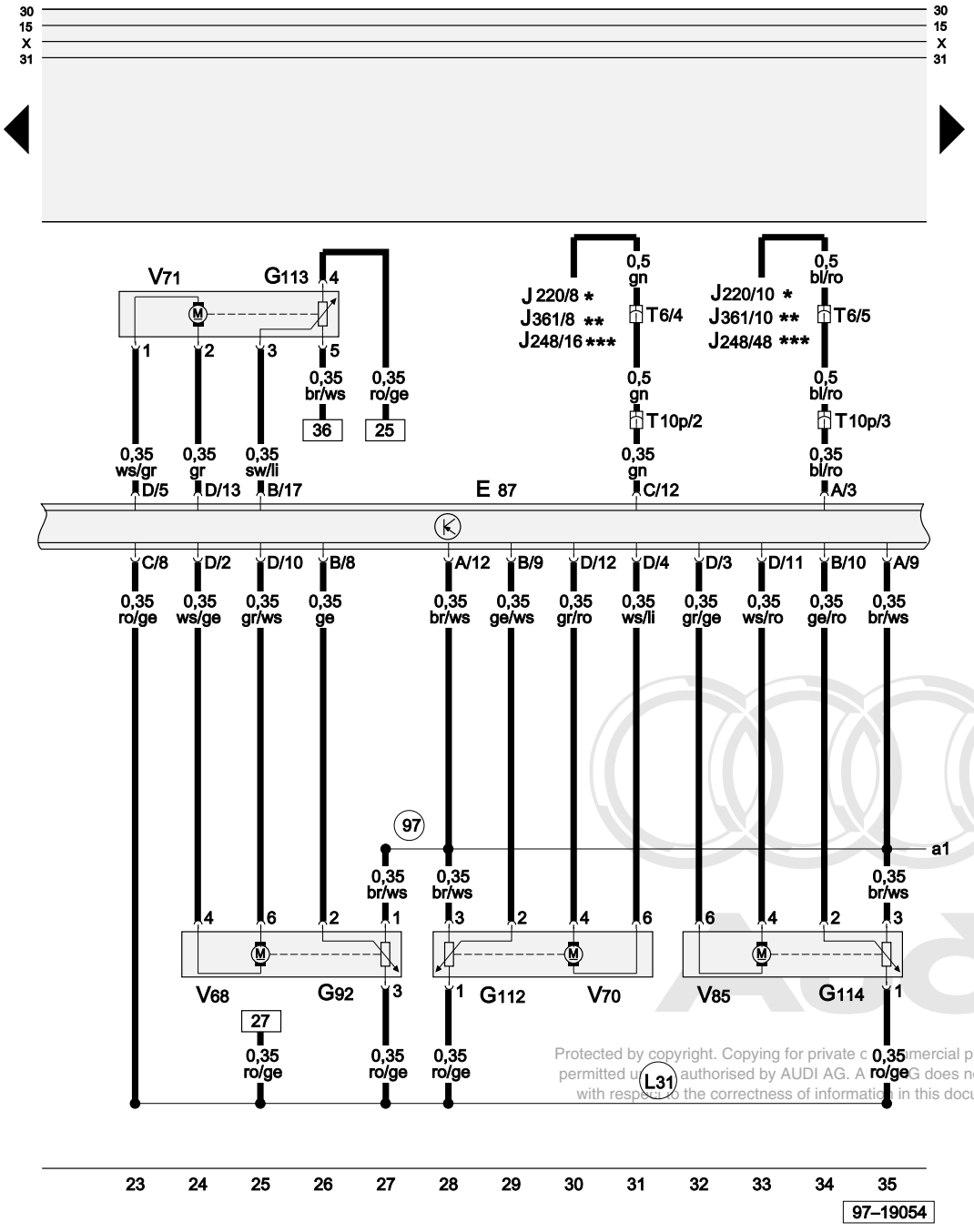


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Air conditioner with automatic control

E18	Rear fog light switch
E87	Control and display unit for air conditioner
F14	Coolant temperature warning switch (overheating)
J218	Combi-processor in dash panel insert
K4	Side light warning lamp
T12a	12-pin connector, behind dash panel, right
T16	16-pin connector, black, in console (diagnostic connector)
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
277	Earth connection -3-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (engine speed signal), in dash panel wiring harness
B117	Connection (58a, right), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
D99	Connection (coolant temperature), in engine compartment wiring harness

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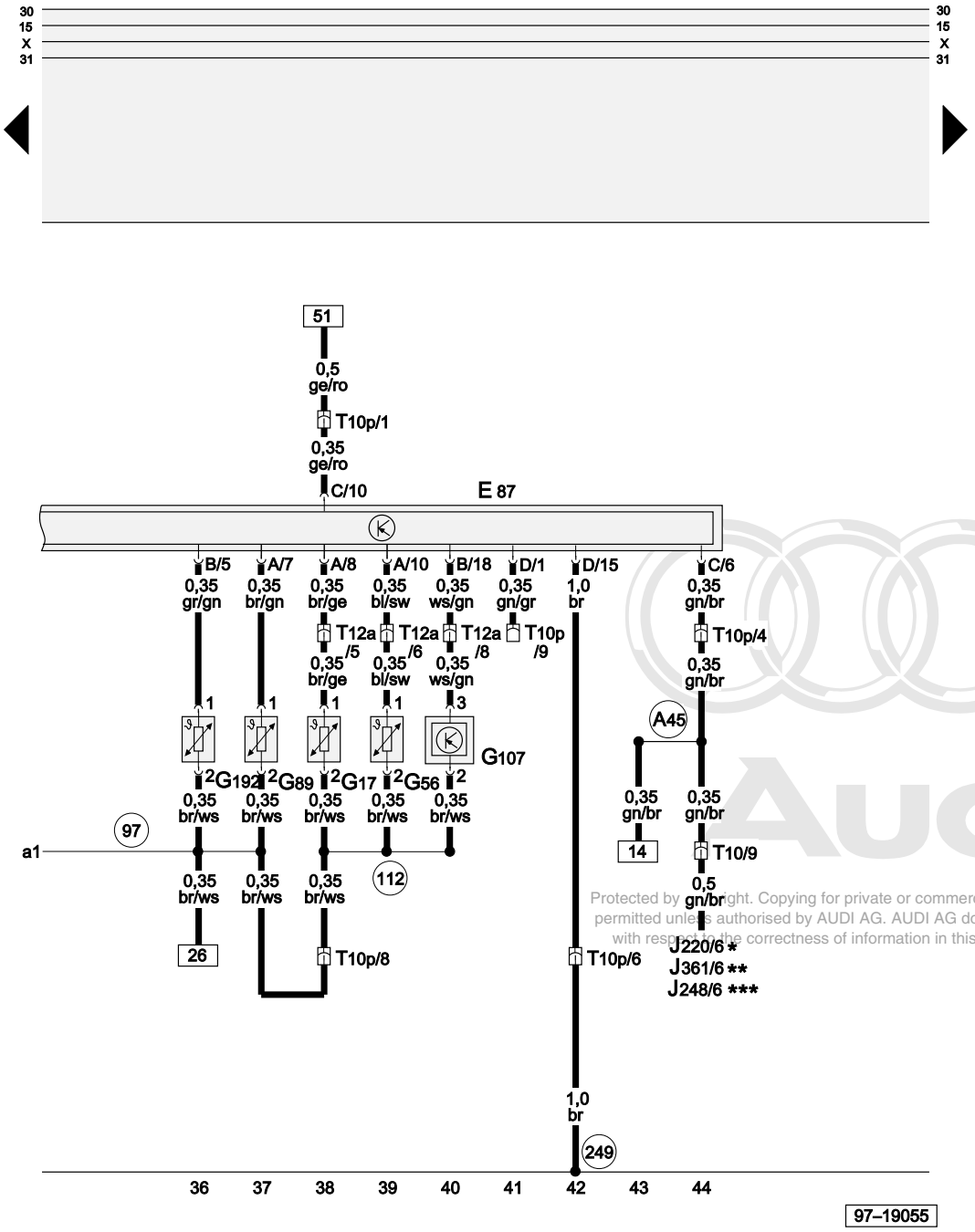


Air conditioner with automatic control

E87	Control and display unit for air conditioner
G92	Control motor potentiometer, temperature flap
G112	Control motor potentiometer, central flap
G113	Control motor potentiometer, air flow flap
G114	Control motor potentiometer, footwell/defroster flap
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos control unit
T6	6-pin connector, red, in plenum chamber
T10p	10-pin connector, behind dash panel, right
V68	Temperature flap control motor
V70	Central flap control motor
V71	Air flow 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
*	Applies to engine codes AGN and AGU only
**	Applies to engine codes AEH only
***	Applies to engine codes AGR only

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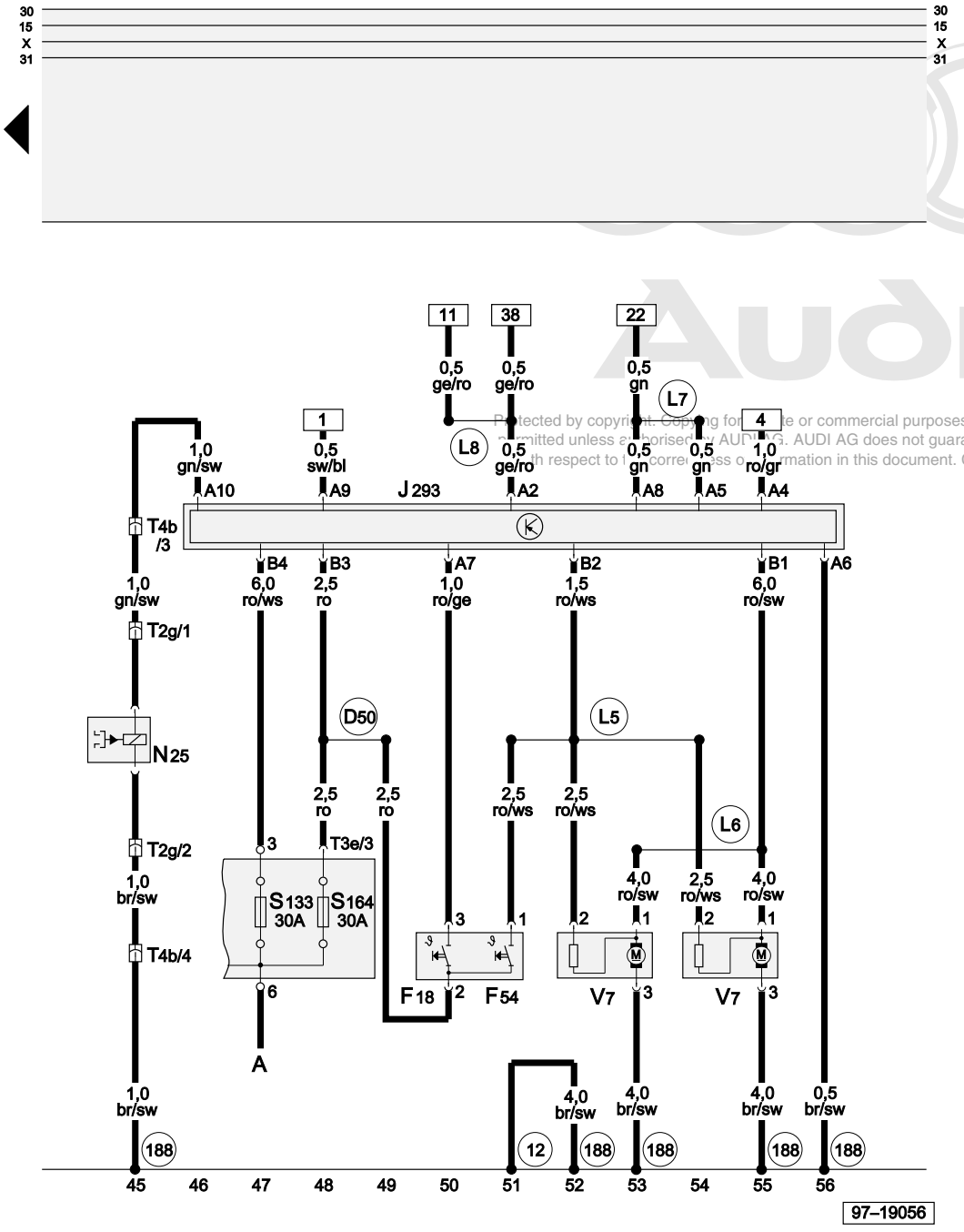


Air conditioner with automatic control

E87	Control and display unit for air conditioner
G17	Ambient temperature sensor
G56	Dash panel temperature sensor
G89	Fresh air intake duct temperature sensor
G107	Sunlight penetration photosensor
G192	Vent temperature sender, footwell
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos control unit
T10	10-pin connector, white, in plenum chamber
T10p	10-pin connector, behind dash panel, right
T12a	12-pin connector, behind dash panel, right
97	Earth connection -1-, in air conditioner wiring harness
112	Earth connection -2-, in air conditioner wiring harness
249	Earth connection -2-, in interior wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
*	Applies to engine codes AGN and AGU only
**	Applies to engine codes AEH only
***	Applies to engine codes AGR only

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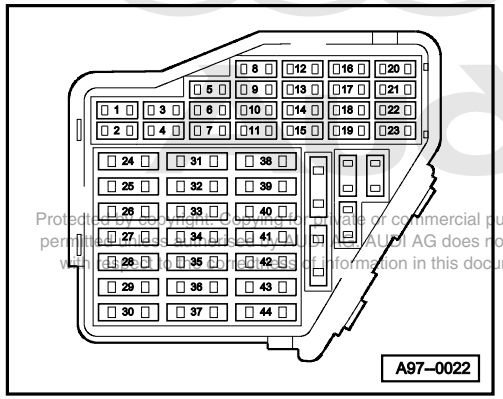
Air conditioner with automatic control

A	Battery
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J293	Radiator fan control unit
N25	Air conditioning system magnetic coupling
S133	Fuse 3
S164	3 in fuse box/battery
T2g	2-pin connector, near compressor
T3e	3-pin connector, black, on main fuse box/battery
T4b	4-pin connector, in engine compartment, left
V7	Radiator fan
12	Earth point, in engine compartment, left
188	Earth connection -3-, in air conditioner wiring harness
D50	Positive (+) connection (30), in engine compartment wiring harness
L5	Connection -1-, in air conditioner wiring harness
L6	Connection -2-, in air conditioner wiring harness
L7	Connection -3-, in air conditioner wiring harness
L8	Connection -4-, in air conditioner wiring harness

Radio-beta

From model year 1997

Fuse box:

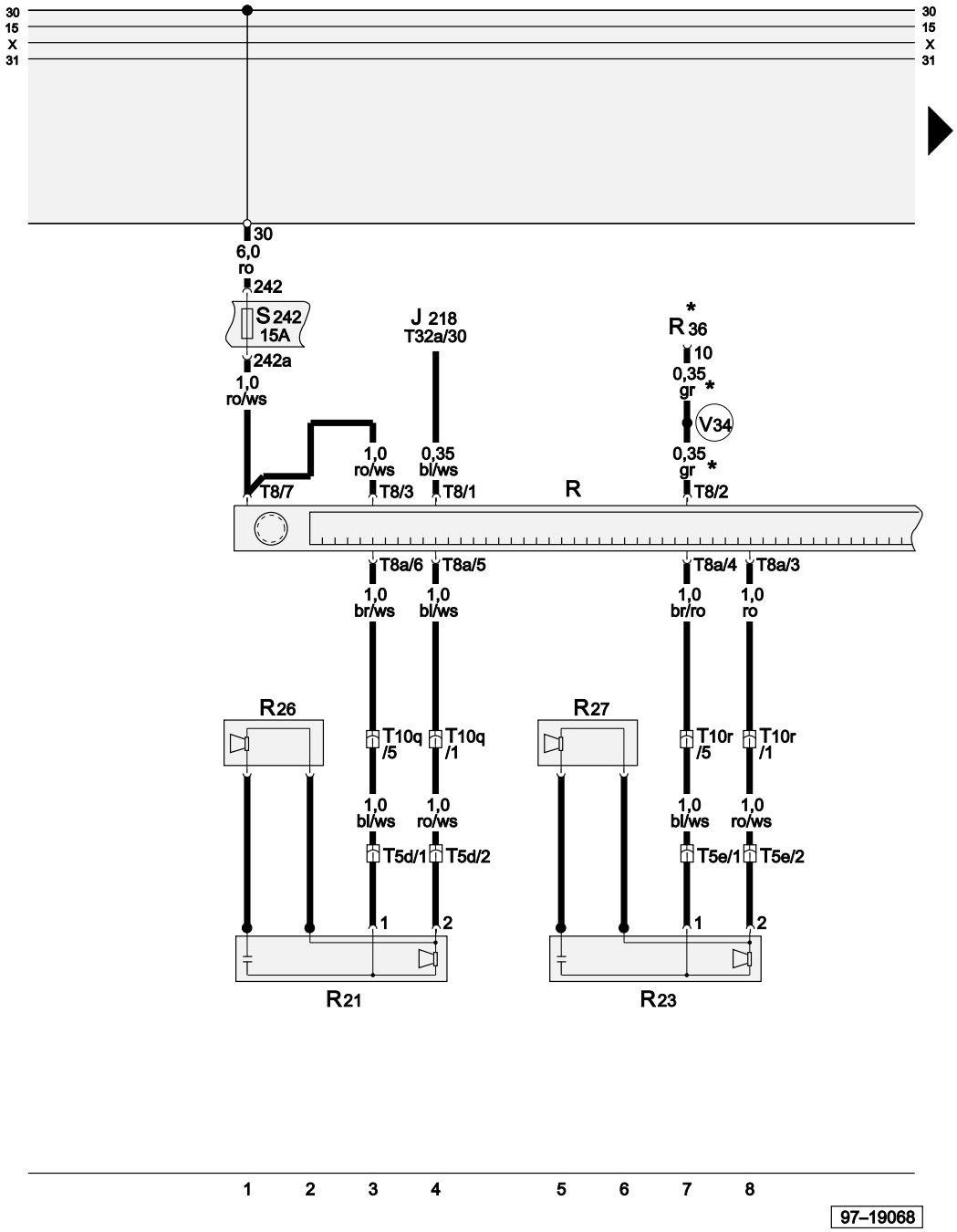


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

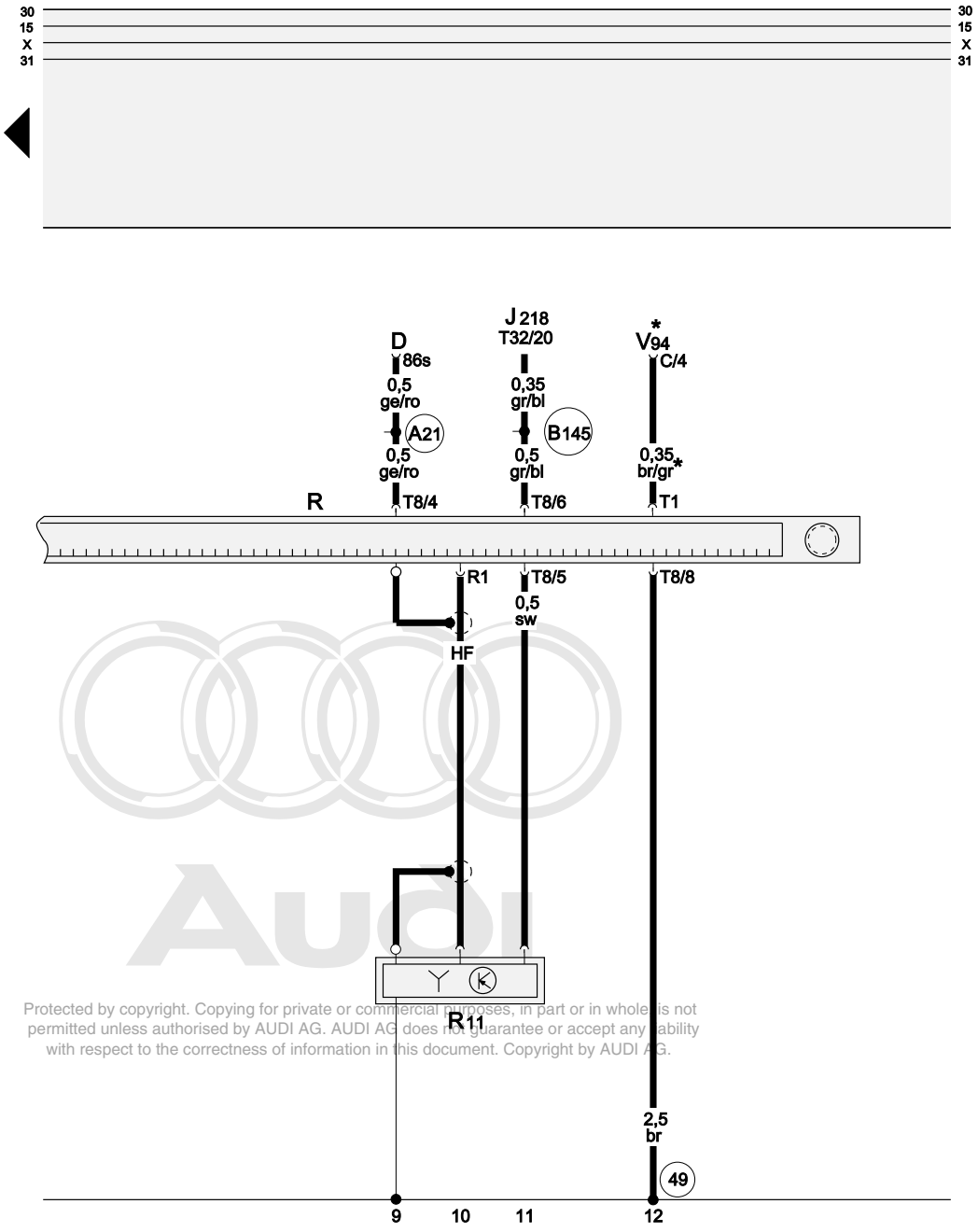


Radio-beta

J218	Combi-processor in dash panel insert
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
T5d	5-pin connector, black, in driver's door
T5e	5-pin connector, black, in front passenger's door
T8	8-pin connector, on radio
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
T32a	32-pin connector, green, on dash panel insert
(V34)	Connection (muting), in telephone wiring harness
*	Only models with D-network telephone

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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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Radio-beta

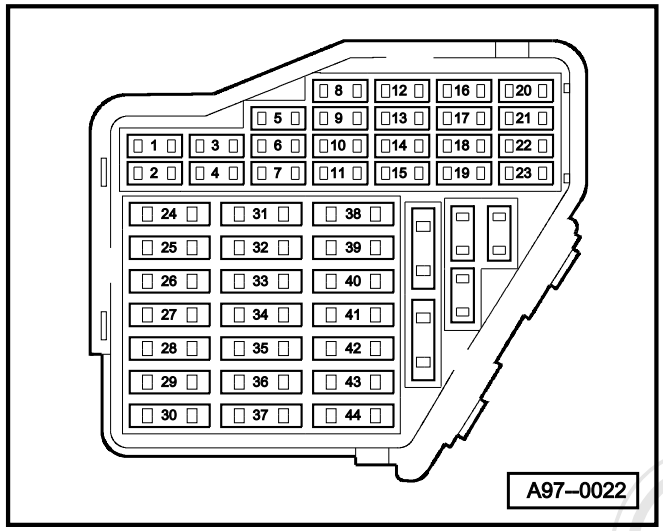
D	Ignition/starter switch
J218	Combi-processor in dash panel insert
R	Radio
R11	Aerial
T1	Single connector, brown, on radio
T8	8-pin connector, on radio
T32	32-pin connector, blue, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
49	Earth point, next to steering columm, left
A21	Connection (86s), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with anti-theft alarm system

ws	=	white
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or	=	orange
rs	=	pink

Radio-gamma, radio-delta with CD system

From model year 1997

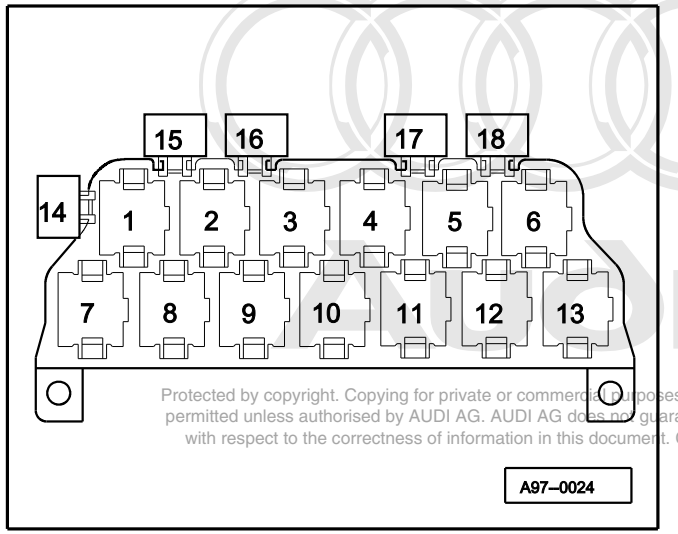
Fuse box:



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:



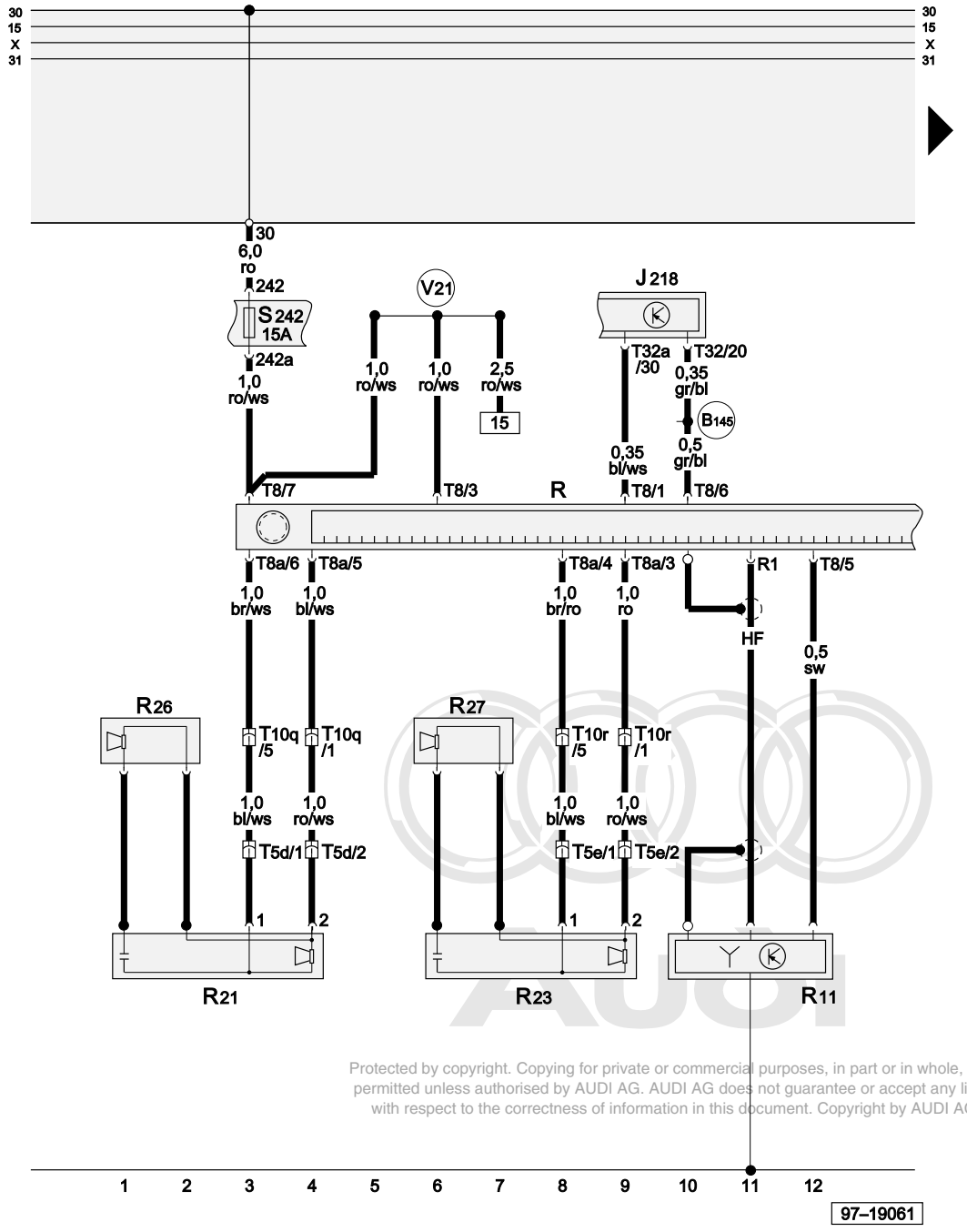
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Position of relays:

6 - Telephone isolation relay

Fuse colours

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

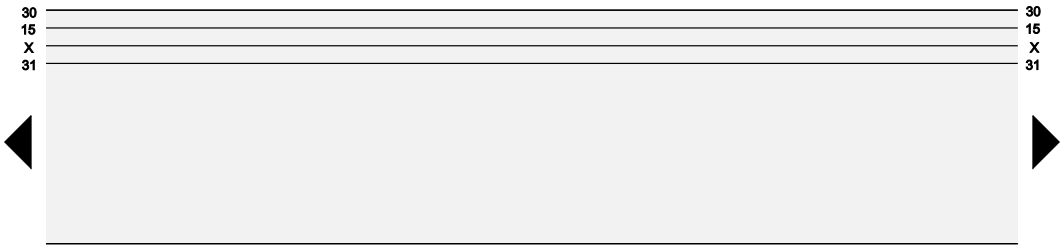


Radio-gamma, radio-delta with CD system

J218	Combi-processor in dash panel insert
R	Radio
R11	Aerial
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
T8	8-pin connector, on radio
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
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
B145	Positive (+) connection (58b), in interior wiring harness
V21	Connection (30), in radio - amplifier wiring harness

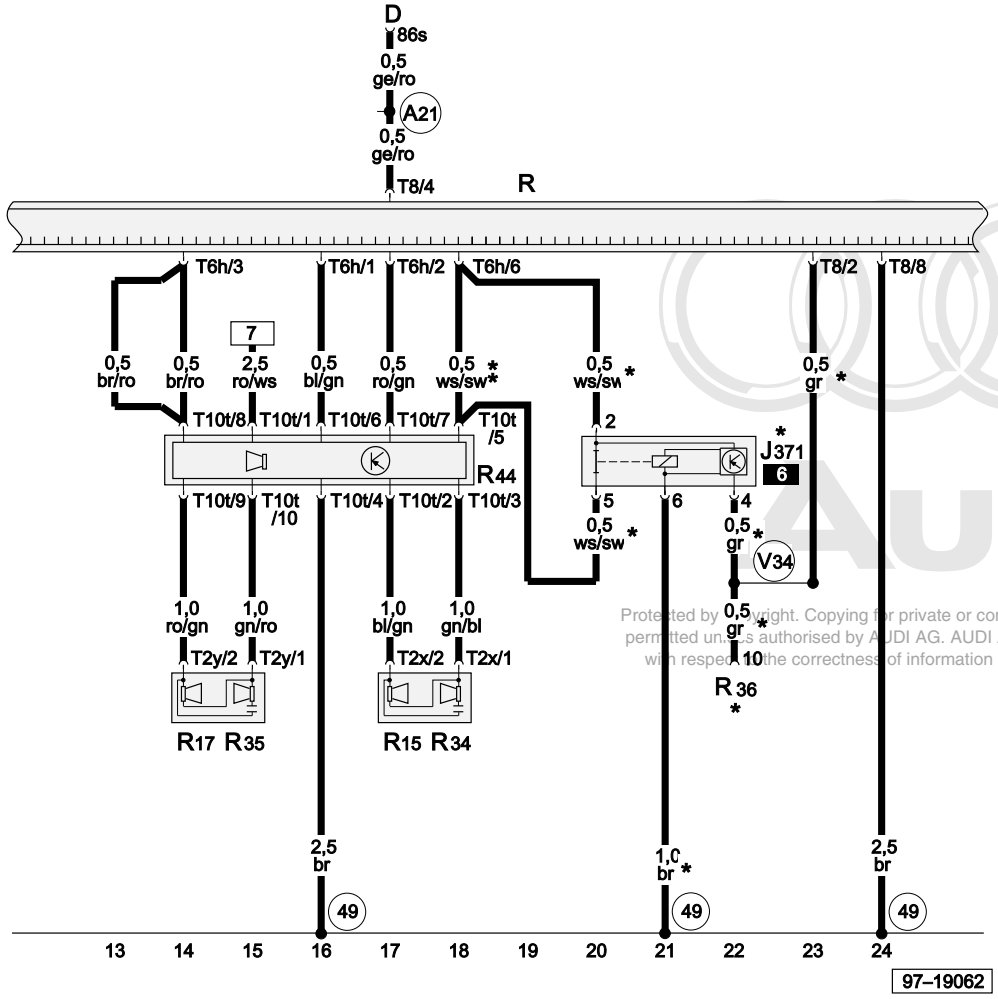
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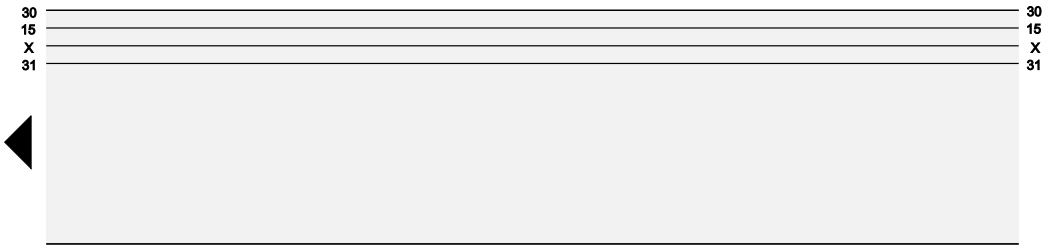
Radio-gamma, radio-delta with CD system

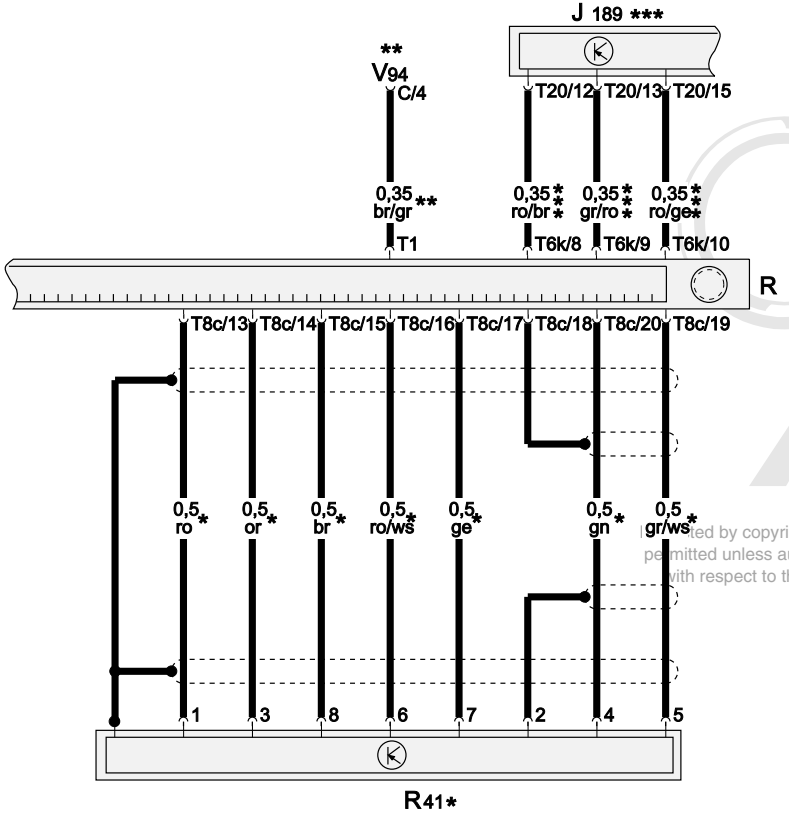
D	Ignition/starter switch
J371	Telephone isolation relay
R15	Bass loudspeaker, rear left
R17	Bass loudspeaker, rear right
R34	Middle-treble tone loudspeaker, rear left
R35	Middle-treble tone loudspeaker, rear right
R36	Telephone transmitter and receiver unit
R44	Amplifier with bass loudspeaker (luggage compartment, left)
T2x	2-pin connector, black, on loudspeaker rear left
T2y	2-pin connector, black, on loudspeaker rear right
T6h	6-pin connector, yellow, on radio
T8	8-pin connector, on radio
T10t	10-pin connector, red, in luggage compartment, left
49	Earth point, next to steering columm, left
A21	Connection (86s), in dash panel wiring harness
V34	Connection (muting), in telephone wiring harness
*	Only models with D-network telephone
**	Does not apply to models with D-network telephone



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ge	=	yellow
or	=	orange
rs	=	pink







97–19063

Radio-gamma, radio-delta with CD system

J189	Auto-check system
R	Radio
R41	CD changer
T1	Single connector, brown, on radio
T6k	6-pin connector, on radio
T8c	8-pin connector, blue, on radio
T20	20-pin connector, black, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
*	Only models with radio-delta
**	Only models with anti-theft alarm system
***	Only models with driver information system

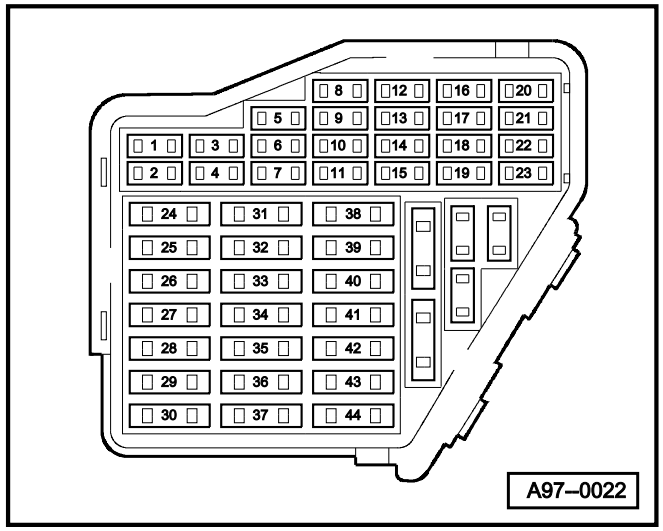
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
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or	=	orange
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Radio Bose system with and without CD changer

From model year 1997

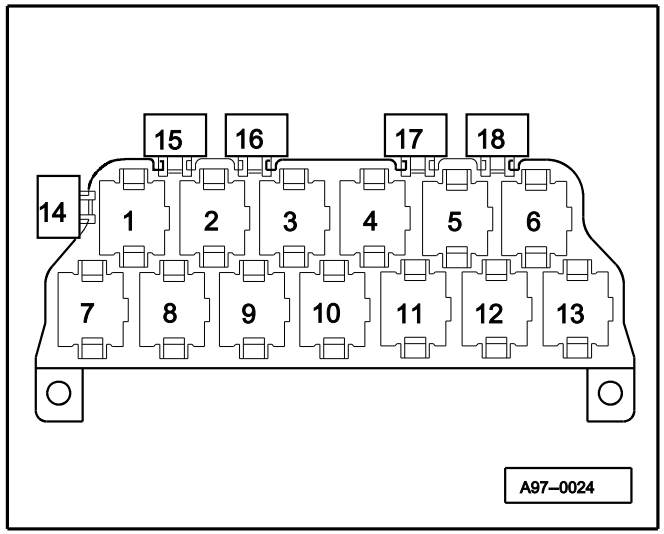
Fuse box:



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:



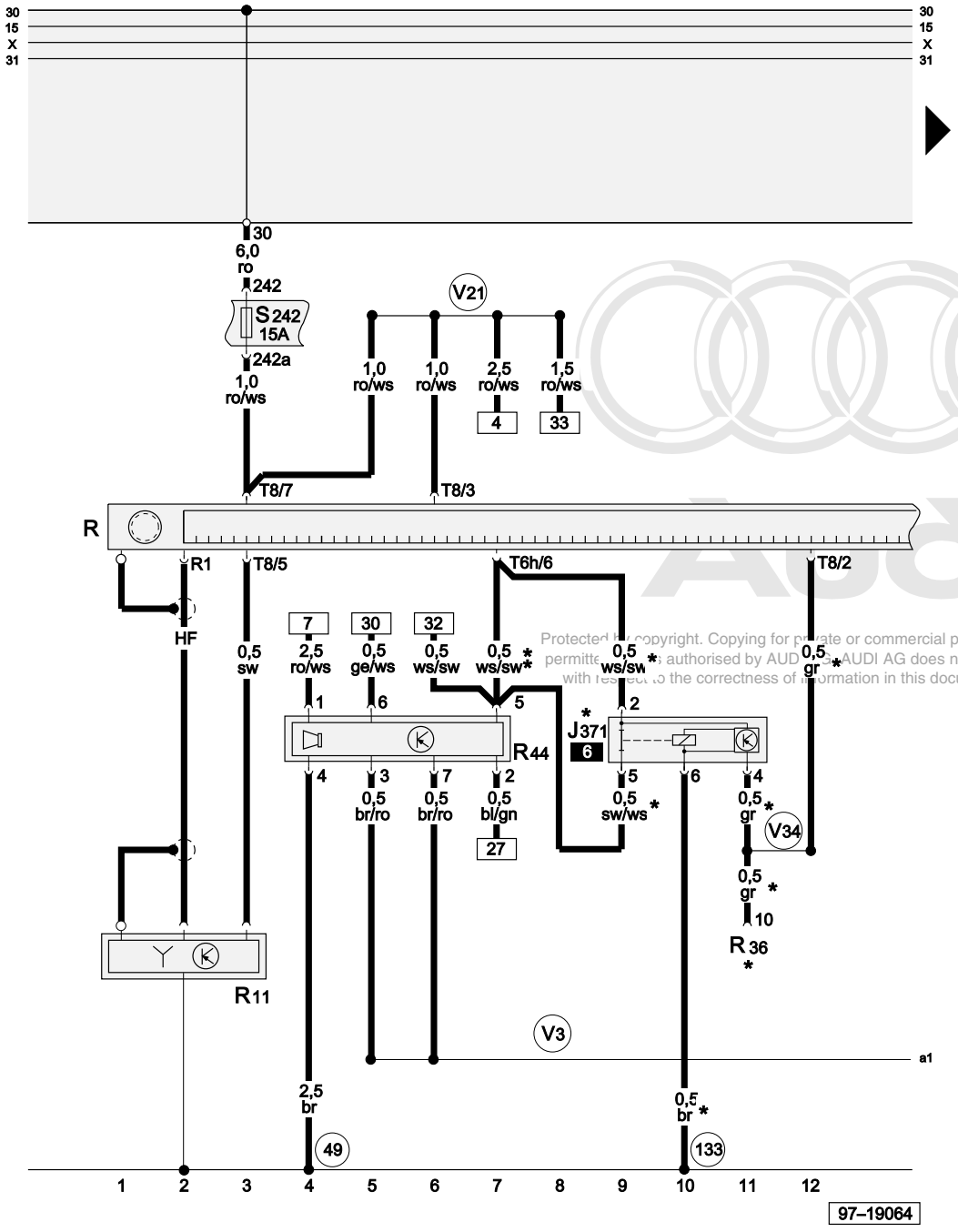
Position of relays:

6 - Telephone isolation relay

Fuse colours

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

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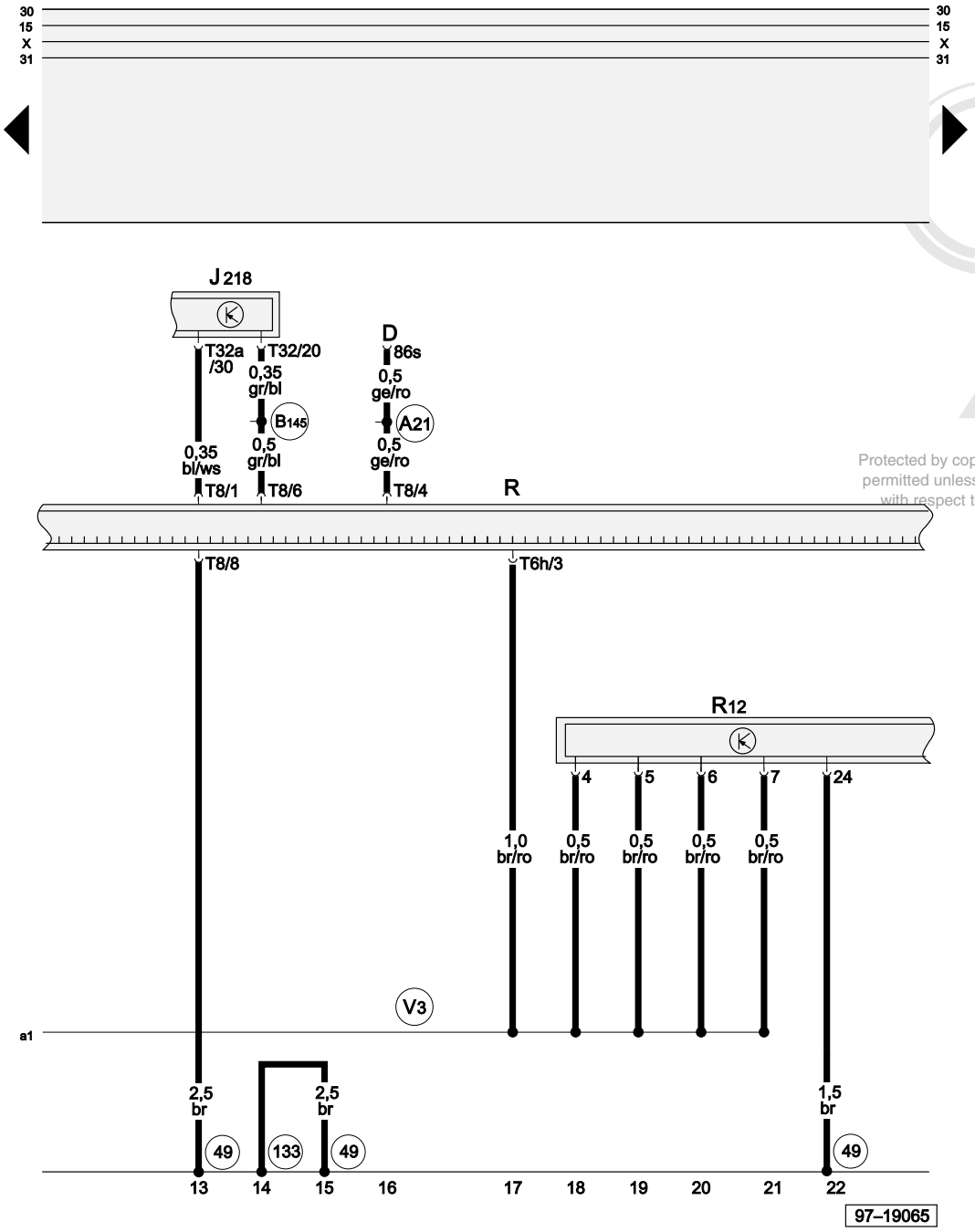


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio Bose system with and without CD changer

J371	Telephone isolation relay
R	Radio
R11	Aerial
R36	Telephone transmitter and receiver unit
R44	Amplifier with bass loudspeaker (luggage compartment, left)
T6h	6-pin connector, yellow, on radio
T8	8-pin connector, on radio
49	Earth point, next to steering columm, left
133	Earth connection, in loudspeaker wiring harness
V3	Connection (NF), in rear speaker wiring harness
V21	Connection (30), in radio - amplifier wiring harness
V34	Connection (muting), in telephone wiring harness
*	Only models with D-network telephone
**	Does not apply to models with D-network telephone

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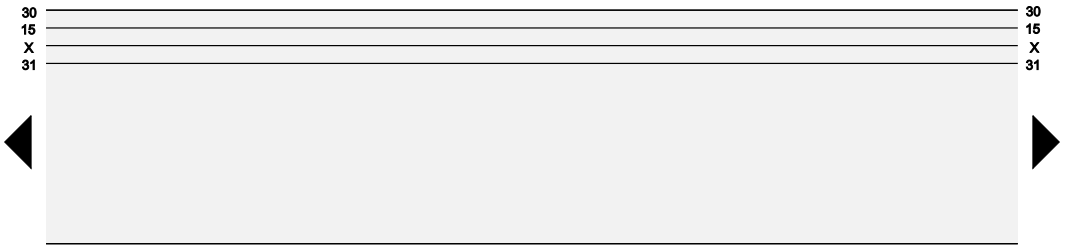


ws = white
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio Bose system with and without CD changer

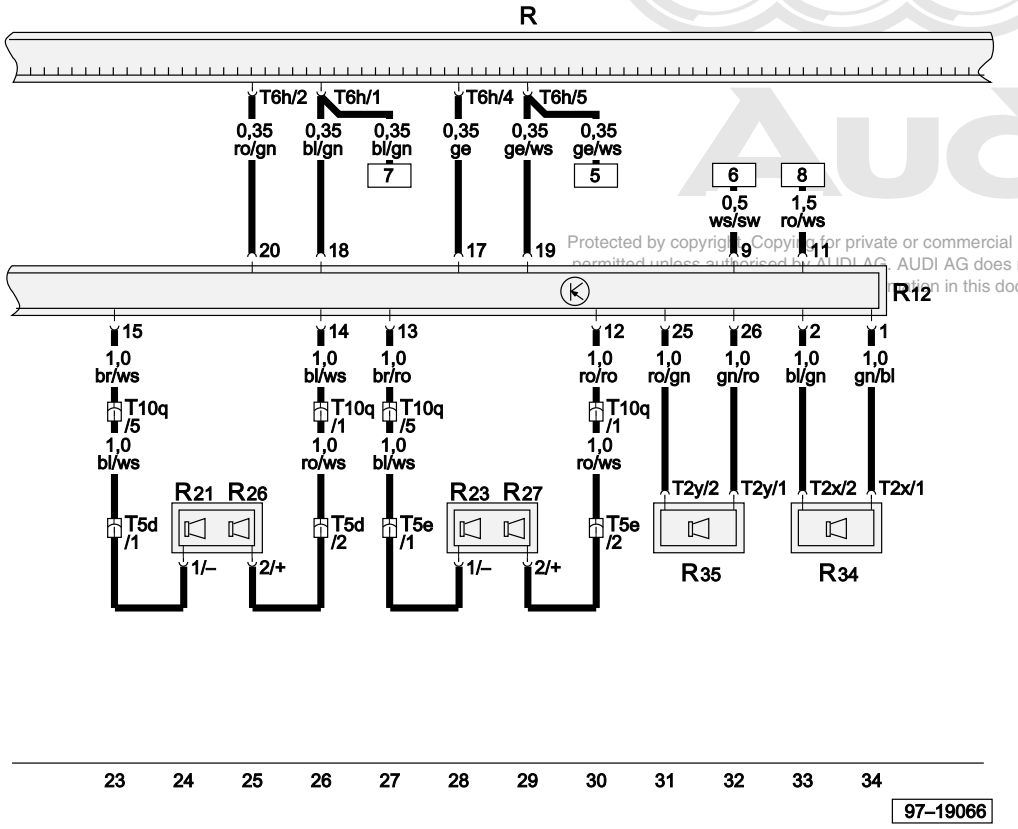
D	Ignition/starter switch
J218	Combi-processor in dash panel insert
R	Radio
R12	Amplifier
T6h	6-pin connector, yellow, on radio
T8	8-pin connector, on radio
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
49	Earth point, next to steering columm, left
133	Earth connection, in loudspeaker wiring harness
V3	Connection (NF), in rear speaker wiring harness
A21	Connection (86s), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness

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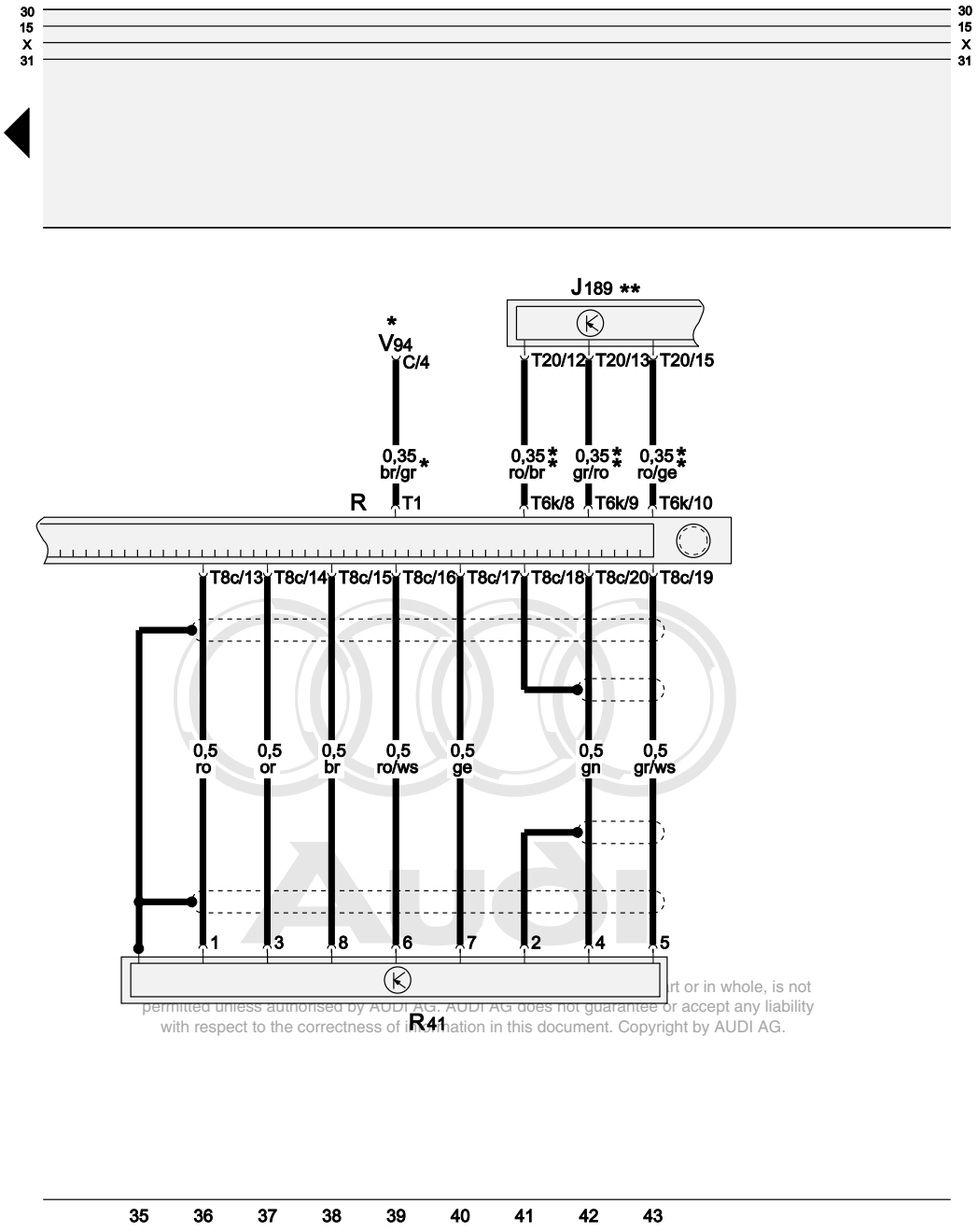
Radio Bose system with and without CD changer

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, on loudspeaker rear left
T2y	2-pin connector, on loudspeaker rear left
T5d	5-pin connector, black, in driver's door
T5e	5-pin connector, black, in front passenger's door
T6h	6-pin connector, yellow, on radio
T10q	10-pin connector, green, connector carrier, A pillar, left



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gr	=	grey
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or	=	orange
rs	=	pink



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Radio Bose system with and without CD changer

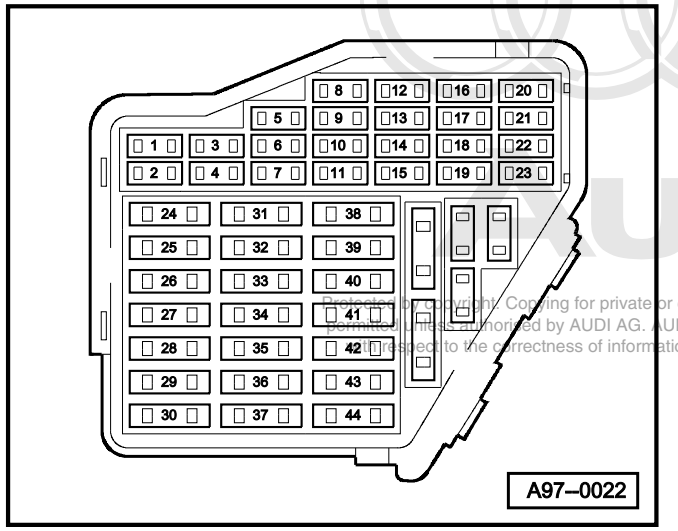
J189	Auto-check system
R	Radio
R41	CD changer
T1	Single connector, brown, on radio
T6k	6-pin connector, on radio
T8c	8-pin connector, blue, on radio
T20	20-pin connector, black, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
*	Only models with anti-theft alarm system
**	Only models with driver information system

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

Four-speed automatic gearbox with selector lever lock

From model year 1997

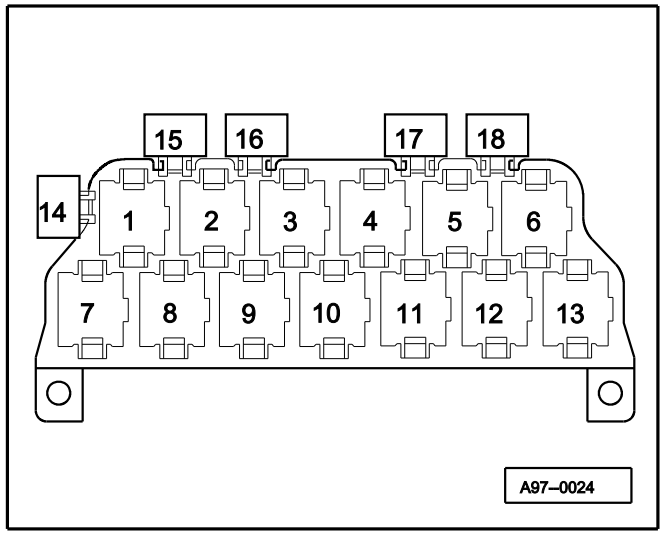
Fuse box:



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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.

13-point relay carrier:



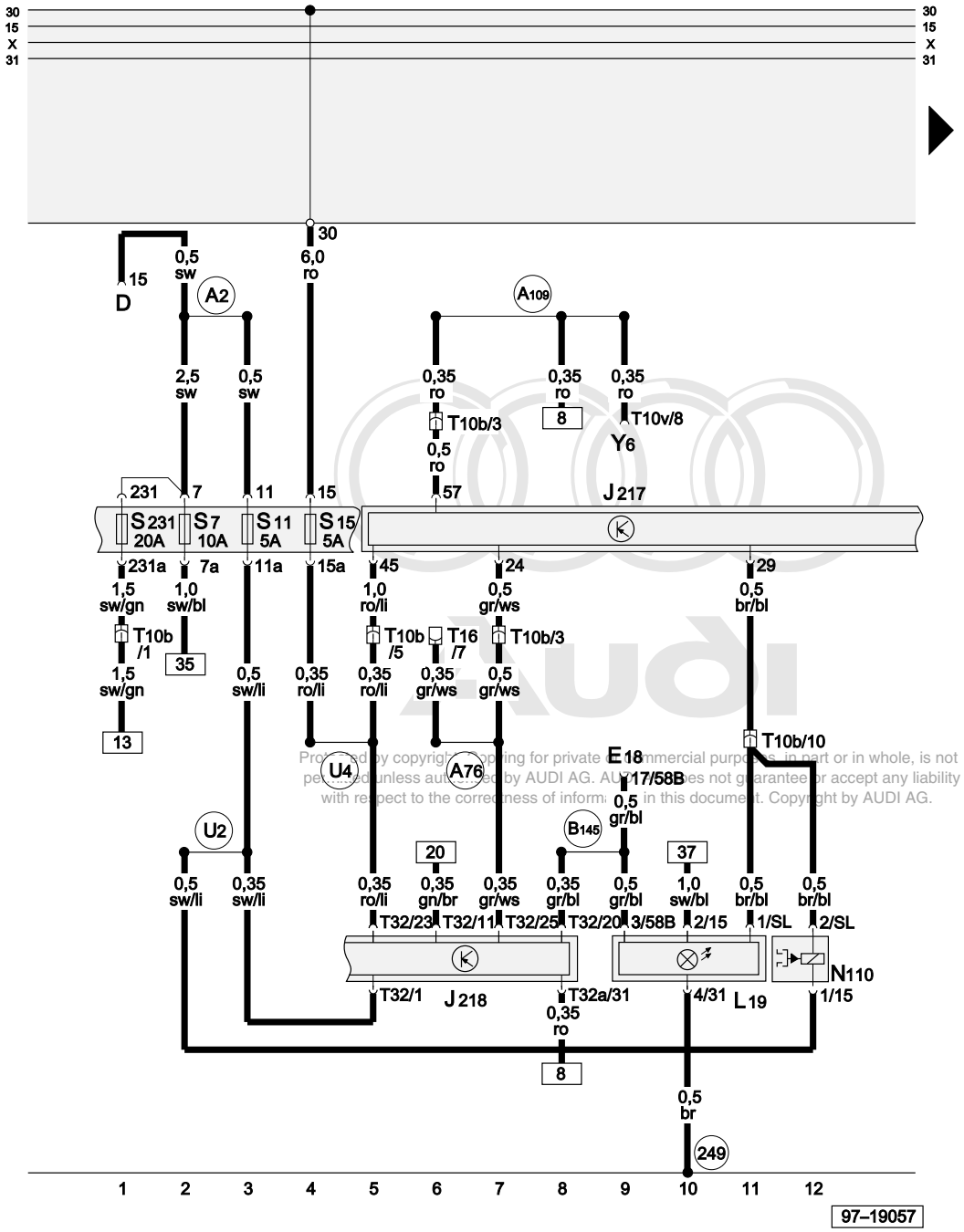
Position of relays:

11 - Starter inhibitor and reversing light relay

Fuse colours

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

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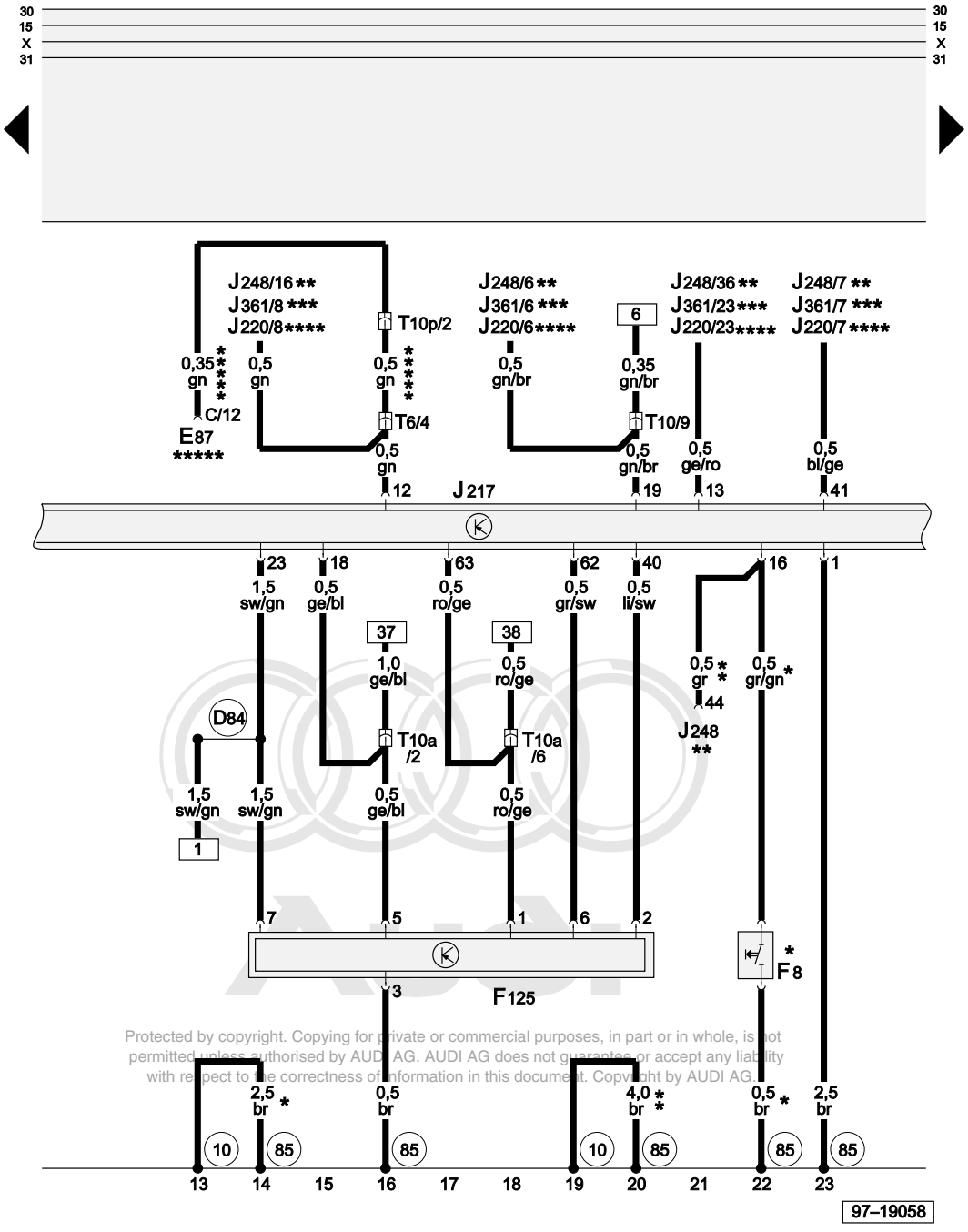


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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Four-speed automatic gearbox with selector lever lock

D	Ignition/starter switch
E18	Rear fog light switch
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
L19	Gear selector light bulb
N110	Selector lever lock solenoid
T10b	10-pin connector, grey, in plenum chamber
T16	16-pin connector, black, in centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
Y6	Selector lever position indicator
249	Earth connection -2-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A109	Connection (selector lever position display), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
U2	Connection -1- (15), in automatic gearbox wiring harness
U4	Connection (30), in automatic gearbox wiring harness

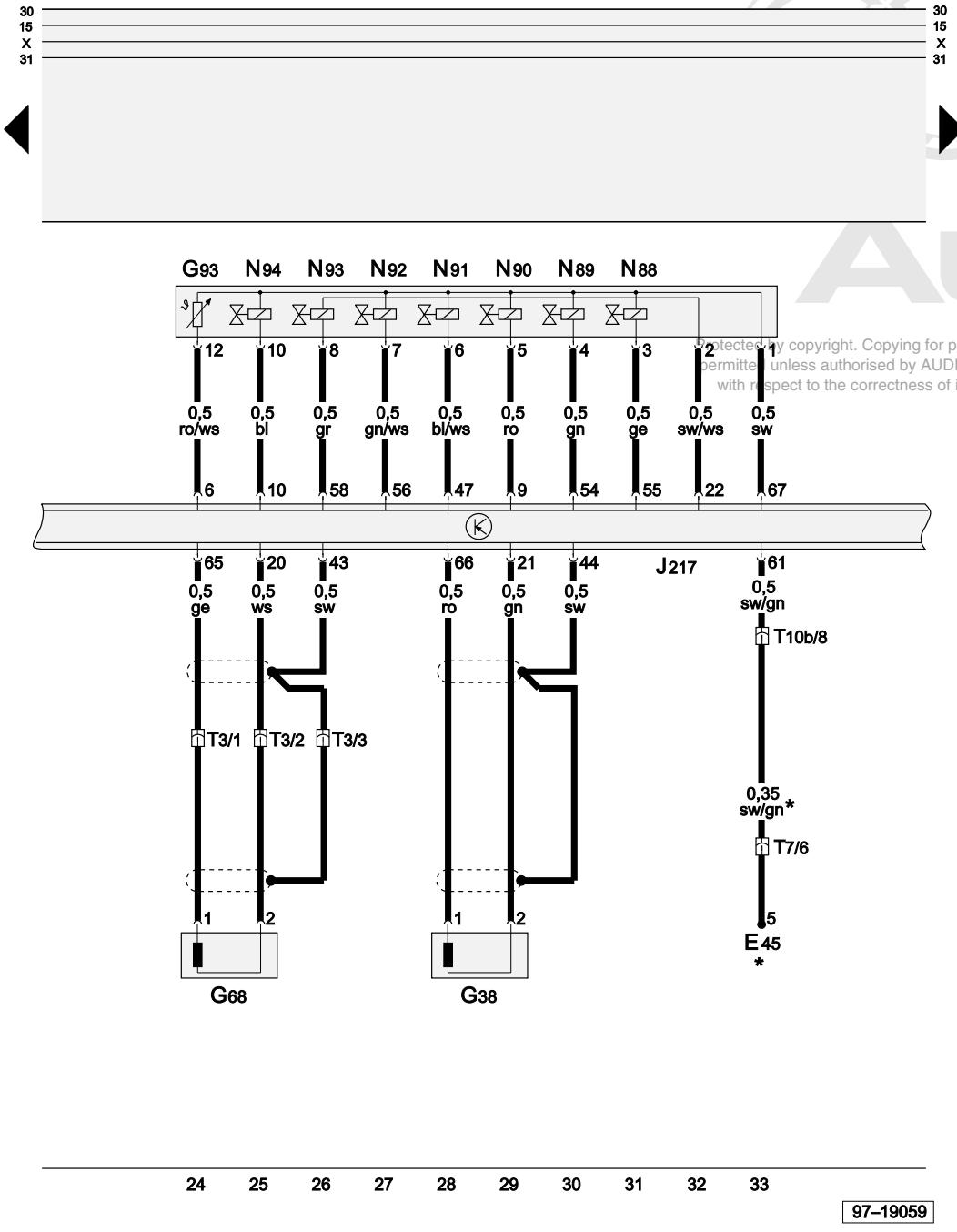


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Four-speed automatic gearbox with selector lever lock

E87	Control and display unit for air conditioner
F8	Kick-down switch
F125	Multi-function switch
J217	Automatic gearbox control unit
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos control unit
T6	6-pin connector, red, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10a	10-pin connector, green, in plenum chamber
T10p	10-pin connector, behind dash panel, right
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
*	Does not apply to engine code AGR
**	Applies to engine code AGR only
***	Applies to engine code AEH only
****	Applies to engine codes AGN, AGU only
*****	Only models with air conditioner

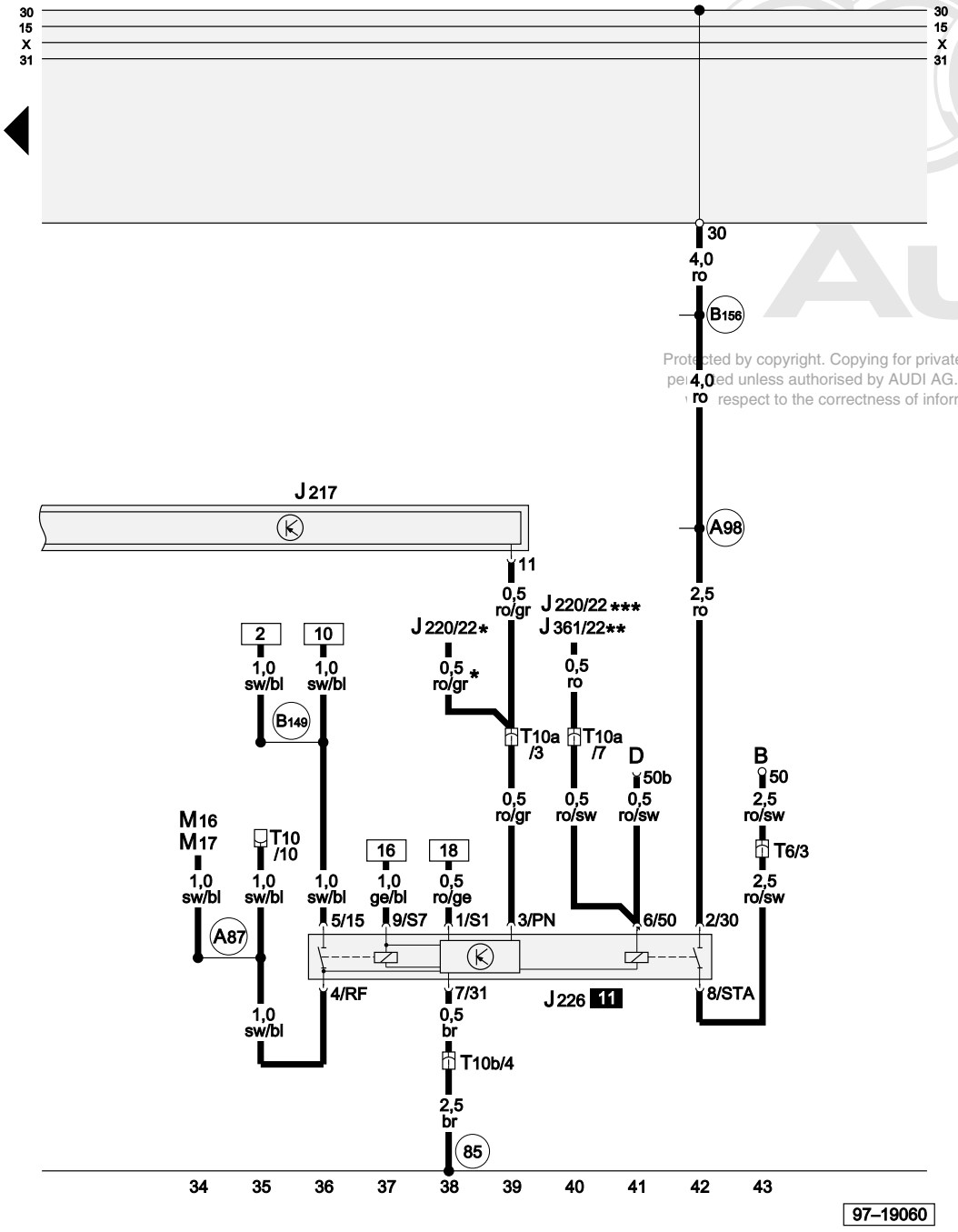


Four-speed automatic gearbox with selector lever lock

E45	Cruise control system switch
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, on gearbox
T7	7-pin connector, behind steering column switch trim
T10b	10-pin connector, grey, in plenum chamber
*	Only models with cruise control system

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Four-speed automatic gearbox with selector lever lock

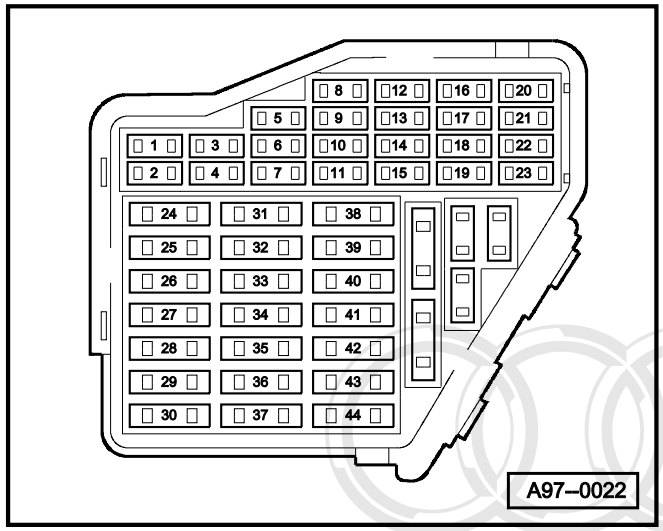
B	Starter
D	Ignition/starter switch
J217	Automatic gearbox control unit
J220	Motronic control unit
J226	Starter inhibitor and reversing light relay
J361	Simos control unit
M16	Reversing light bulb, left
M17	Reversing light bulb, right
T6	6-pin connector, red, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10a	10-pin connector, green, in plenum chamber
T10b	10-pin connector, grey, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
A87	Connection (RL), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
*	Applies to engine code AGN only
**	Applies to engine code AEH only
**	Applies to engine code AGU only

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Electrically adjustable and heated exterior mirrors, with folding function

From model year 1997

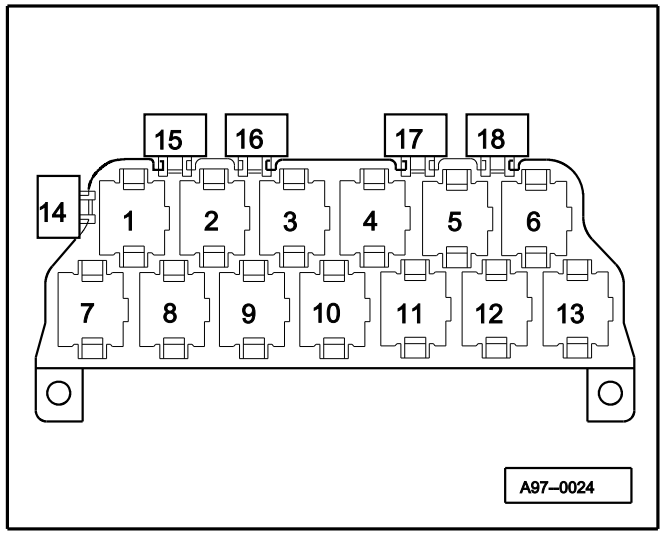
Fuse box:



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:



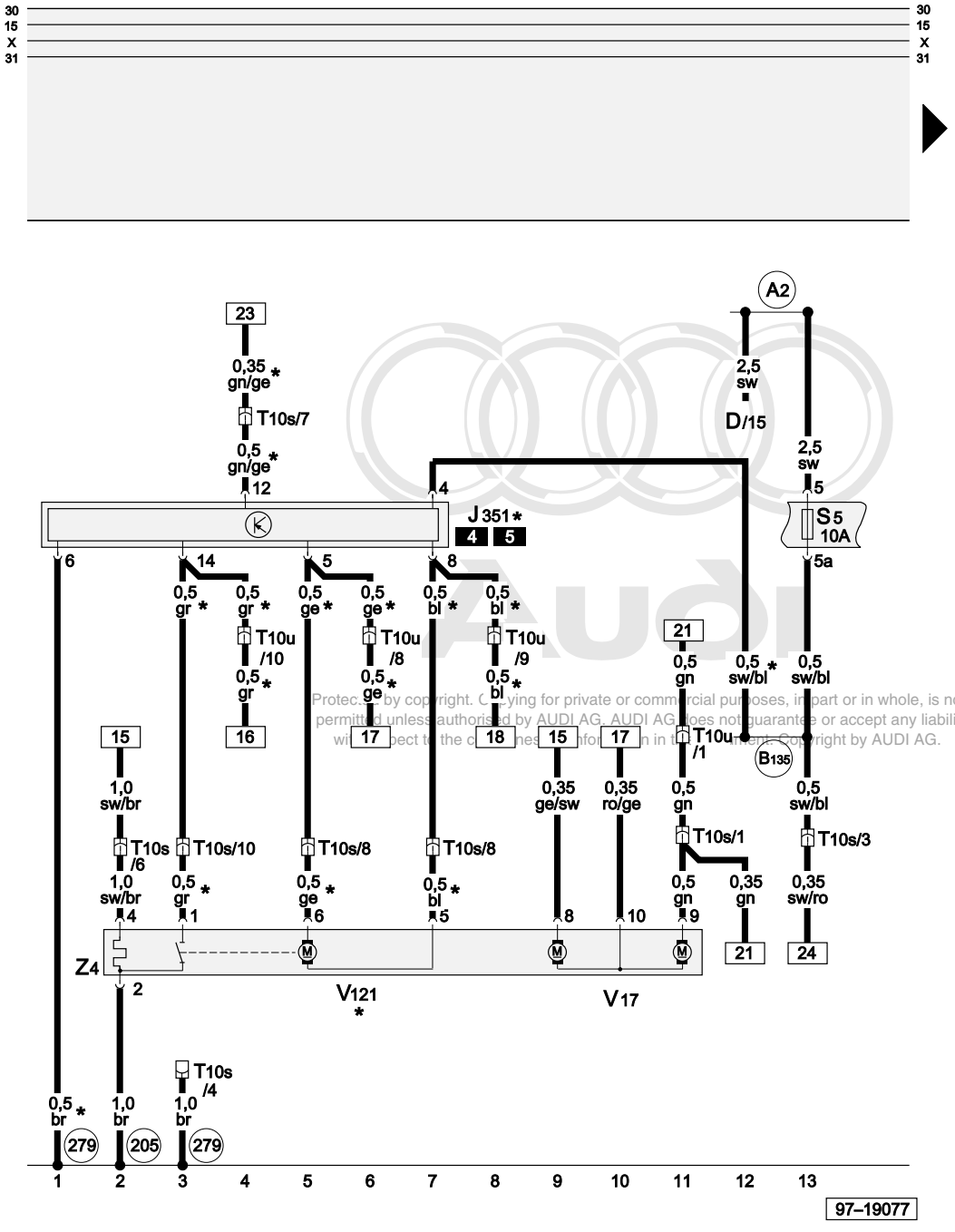
Position of relays:

4 - Exterior mirror fold system control unit
5 - Exterior mirror fold system control unit

Fuse colours

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

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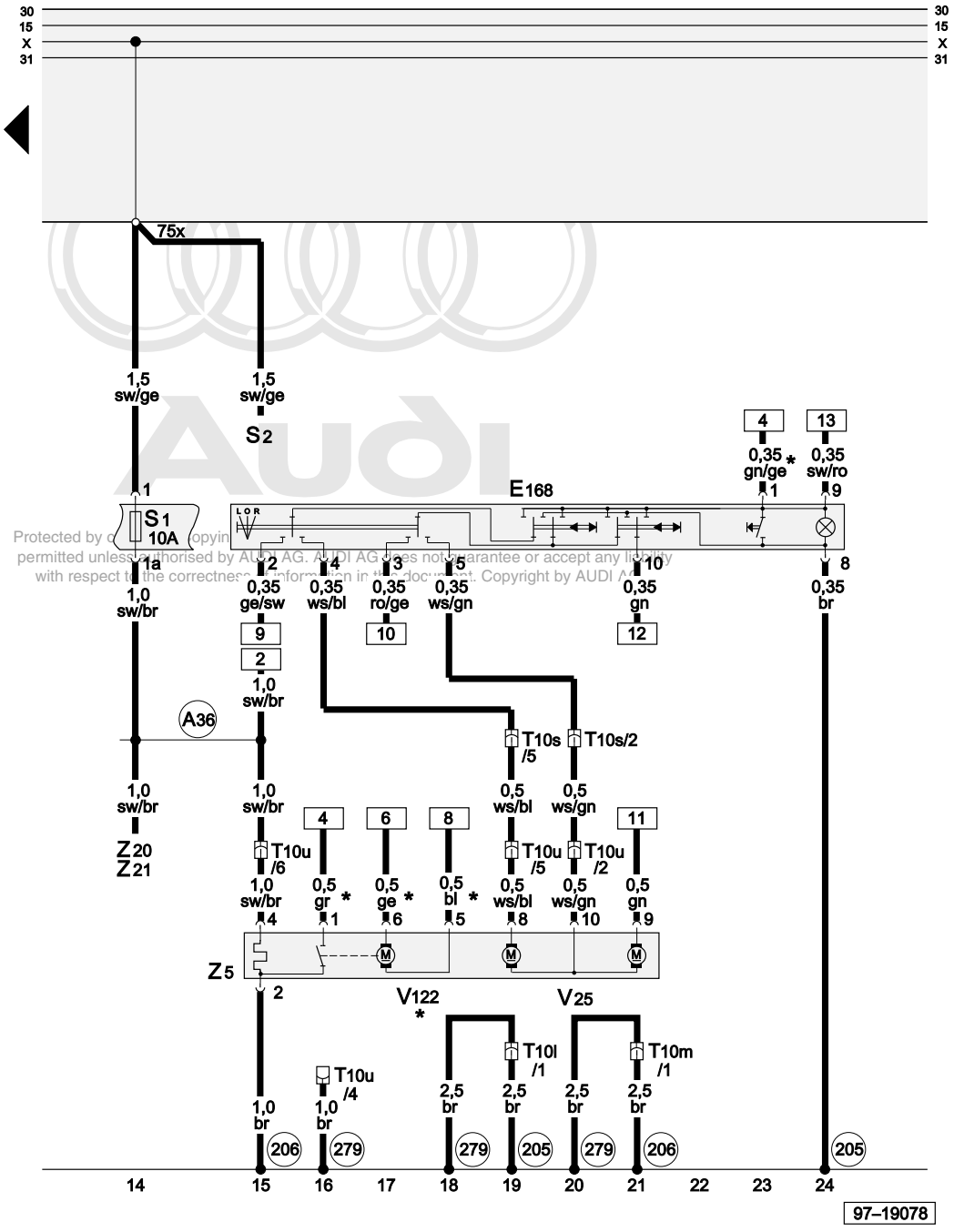


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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Electrically adjustable and heated exterior mirrors, with folding function

D	Ignition/starter switch
J351	Exterior mirror fold system control unit
T10s	10-pin connector, black, connector carrier, A pillar, left
T10u	10-pin connector, black, connector carrier, A pillar, right
V17	Mirror adjustment motor, driver' side
V121	Folding mirror motor, driver's side
Z4	Heated exterior mirror, driver's side
205	Earth connection, in door wiring harness - driver's side
279	Earth connection -5-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
B135	Positive (+) connection (15a), in interior wiring harness



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Electrically adjustable and heated exterior mirrors, with folding function

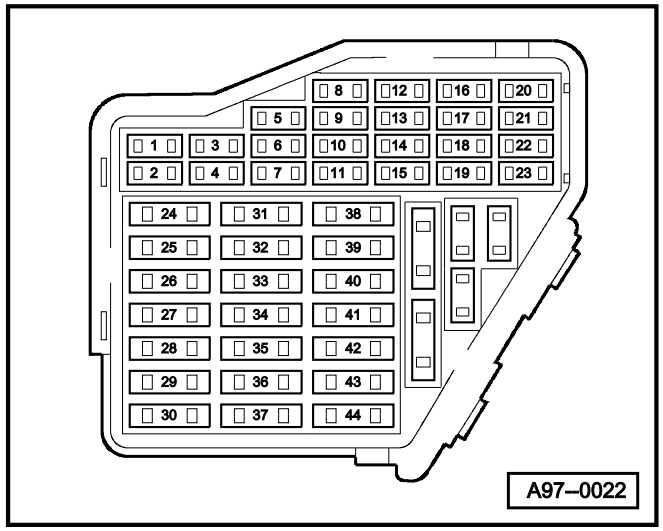
E168	Mirror with folding function, adjustment switch
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, left
T10s	10-pin connector, black, connector carrier, A pillar, left
T10u	10-pin connector, black, connector carrier, A pillar, right
V25	Mirror adjustment motor, front passenger's side
V122	Folding mirror motor, front passenger's side
Z5	Heated exterior mirror, front passenger's side
Z20	Heater element, left washer jet
Z21	Heater element, right washer jet
205	Earth connection, in door wiring harness - driver's side
206	Earth connection, in door wiring harness - front passenger's side
279	Earth connection -5-, in interior wiring harness
A36	Connection (75a), in dash panel wiring harness
*	Only models with heated exterior mirrors with folding function

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

Telephone AEG (D-network)

From model year 1997

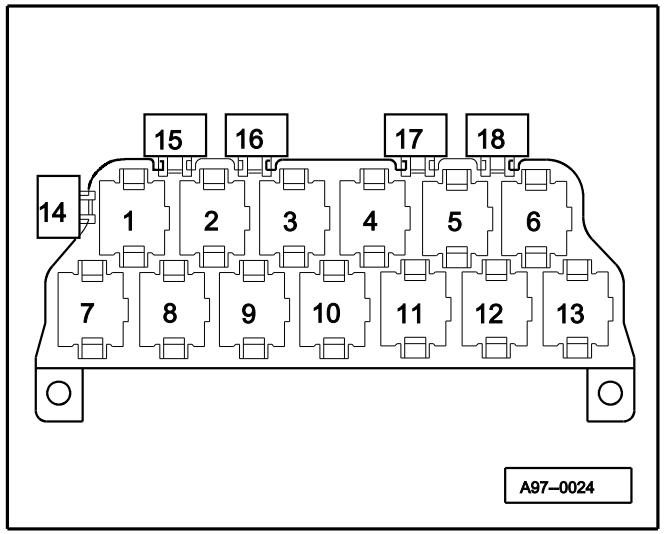
Fuse box:



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:



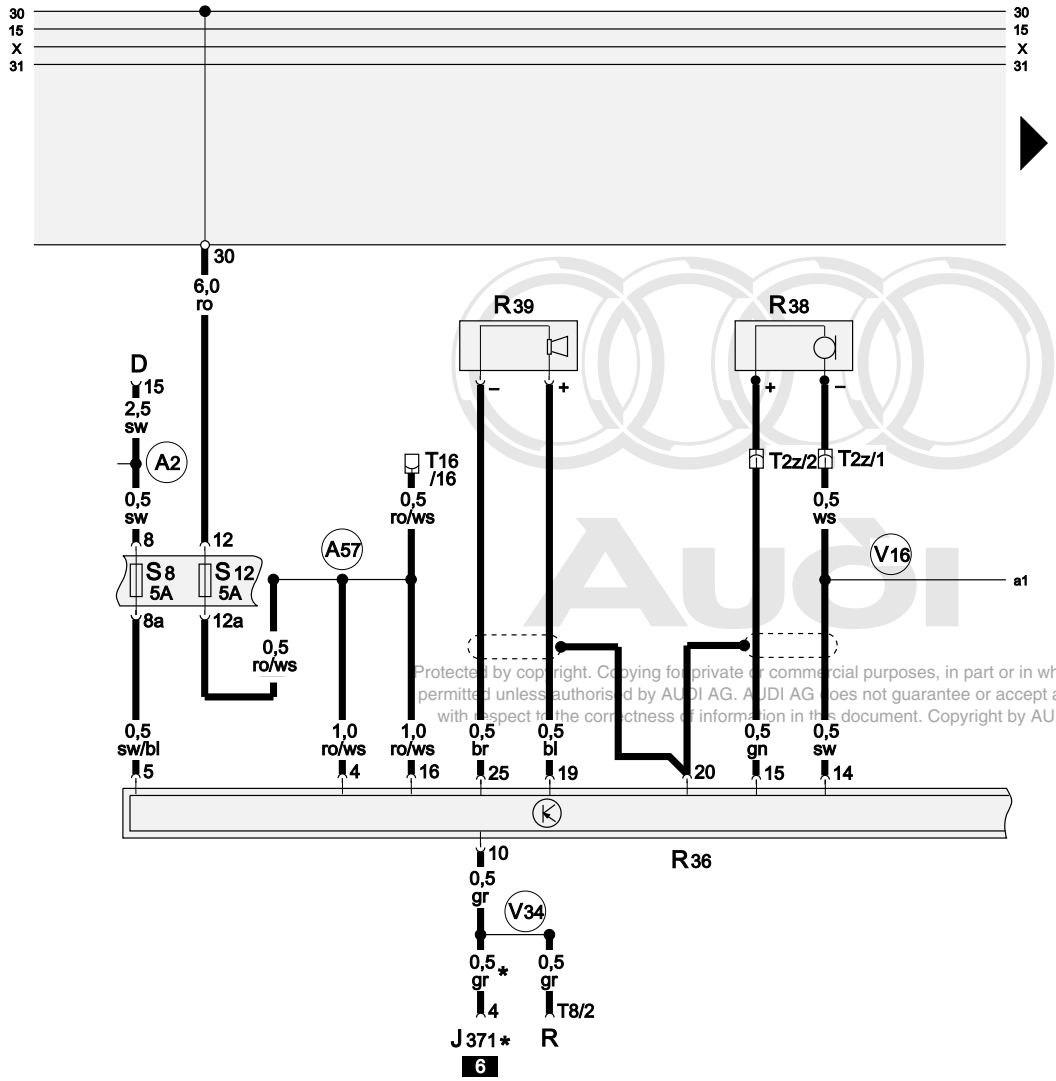
Position of relays:

6 - Telephone isolation relay

Fuse colours

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

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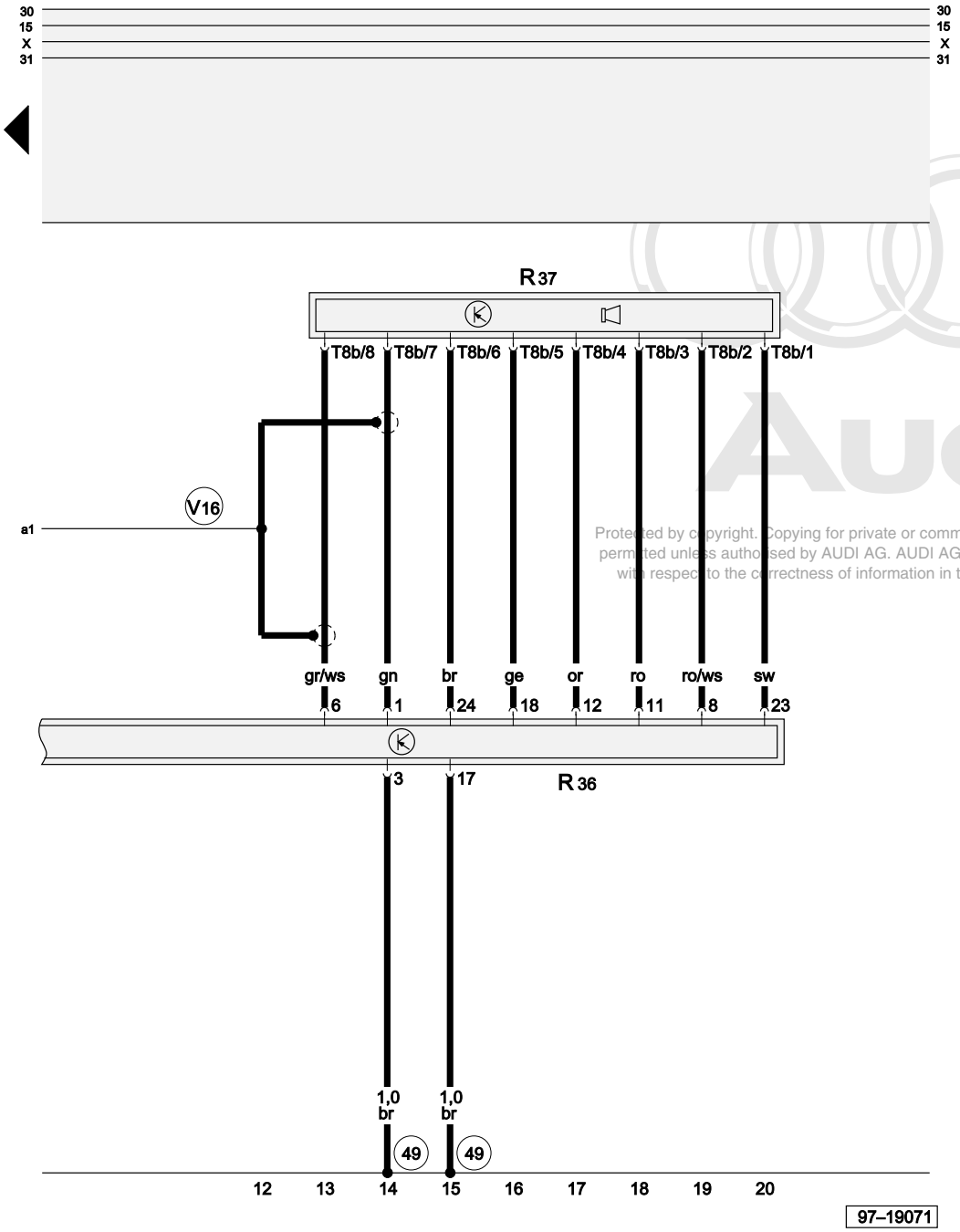


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Telephone AEG (D-network)

D	Ignition/starter switch
J371	Telephone isolation relay
R	Radio
R36	Telephone transmitter and receiver unit
R38	Telephone microphone
R39	Loudspeaker for telephone
T2z	2-pin connector, at A pillar, left
T8	8-pin connector, on radio
T16	16-pin connector, black, centre console compartment (diagnosis connector)
A2	Positive (+) connection (15), in dash panel wiring harness
A57	Connection (30a), in dash panel wiring harness
V16	Connection (screening), in telephone wiring harness
V34	Connection (muting), in telephone wiring harness
*	Only models with radio-gamma/radio-delta and radio-Bose sound system

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



Telephone AEG (D-network)

R36	Telephone transmitter and receiver unit
R37	Telephone handset
T8b	8-pin connector, in centre console
49	Earth point, next to steering columm, left
V16	Connection (screening), in telephone wiring harness

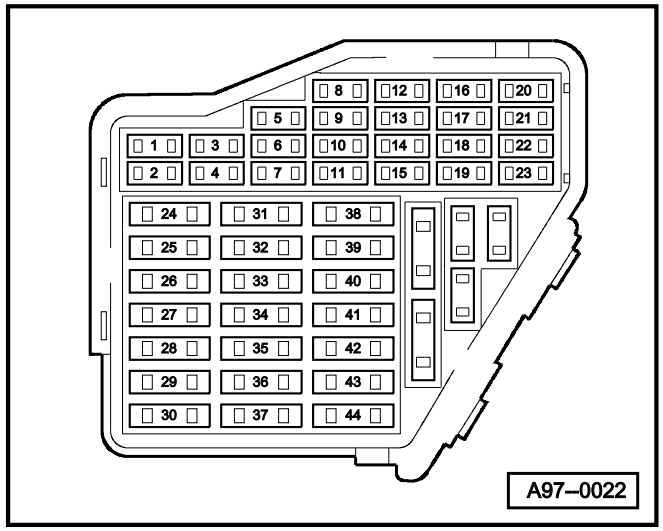
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or	=	orange
rs	=	pink

Driver information system

From model year 1997

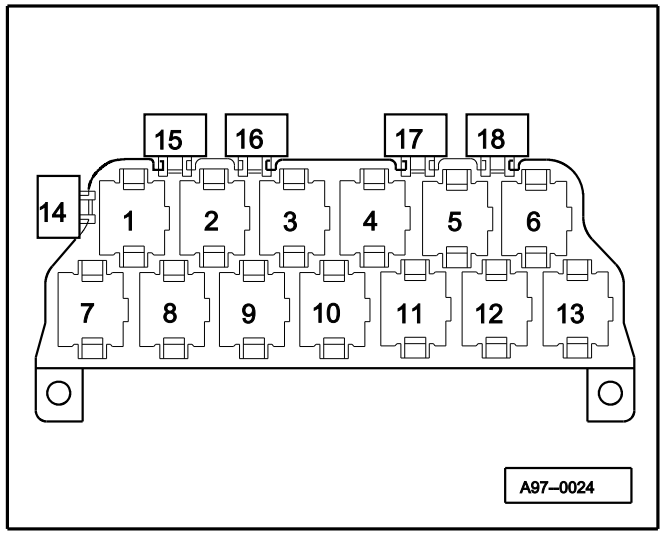
Fuse box:



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:



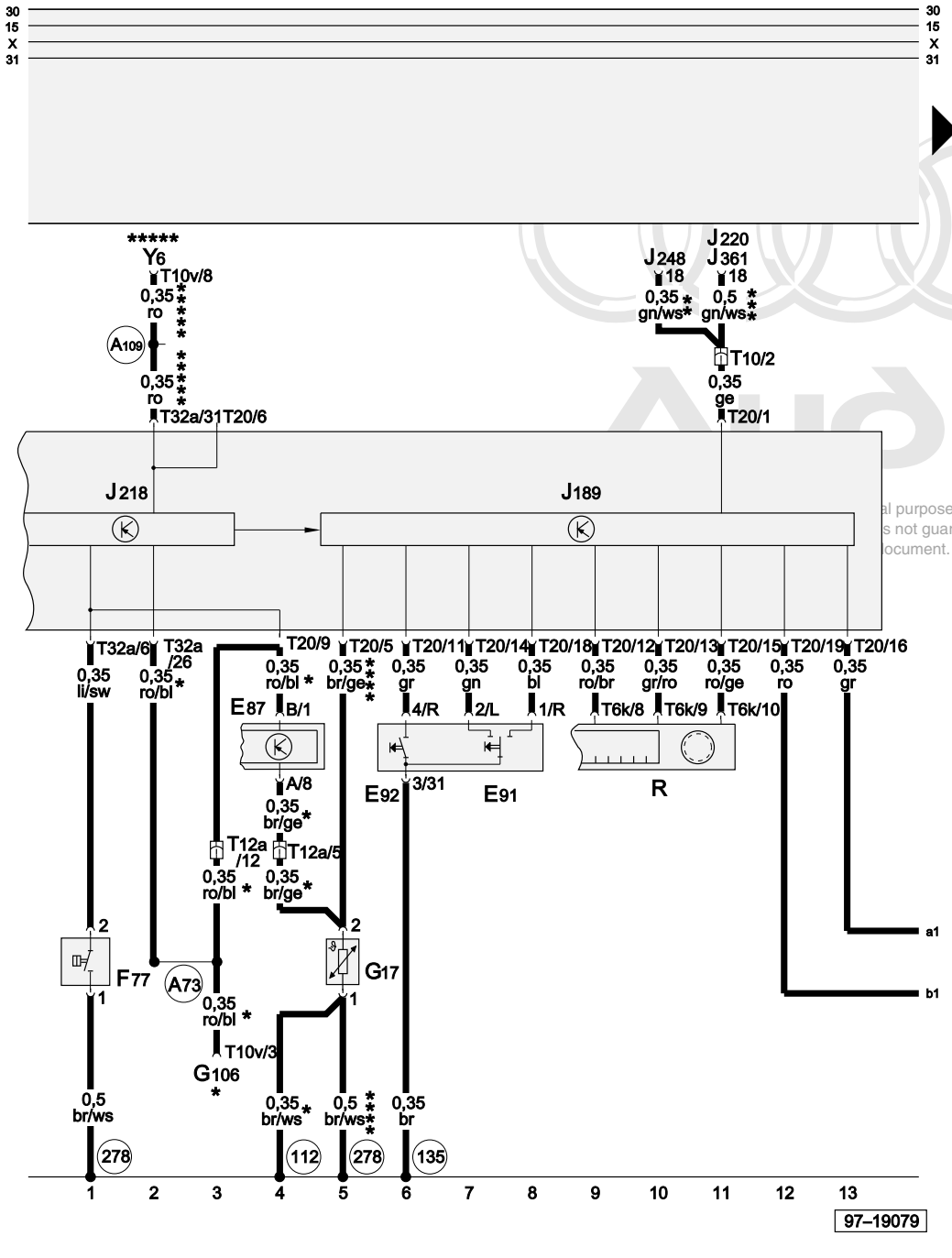
Position of relays:

2 - Bulb monitoring device
3 - Bulb monitoring device

Fuse colours

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

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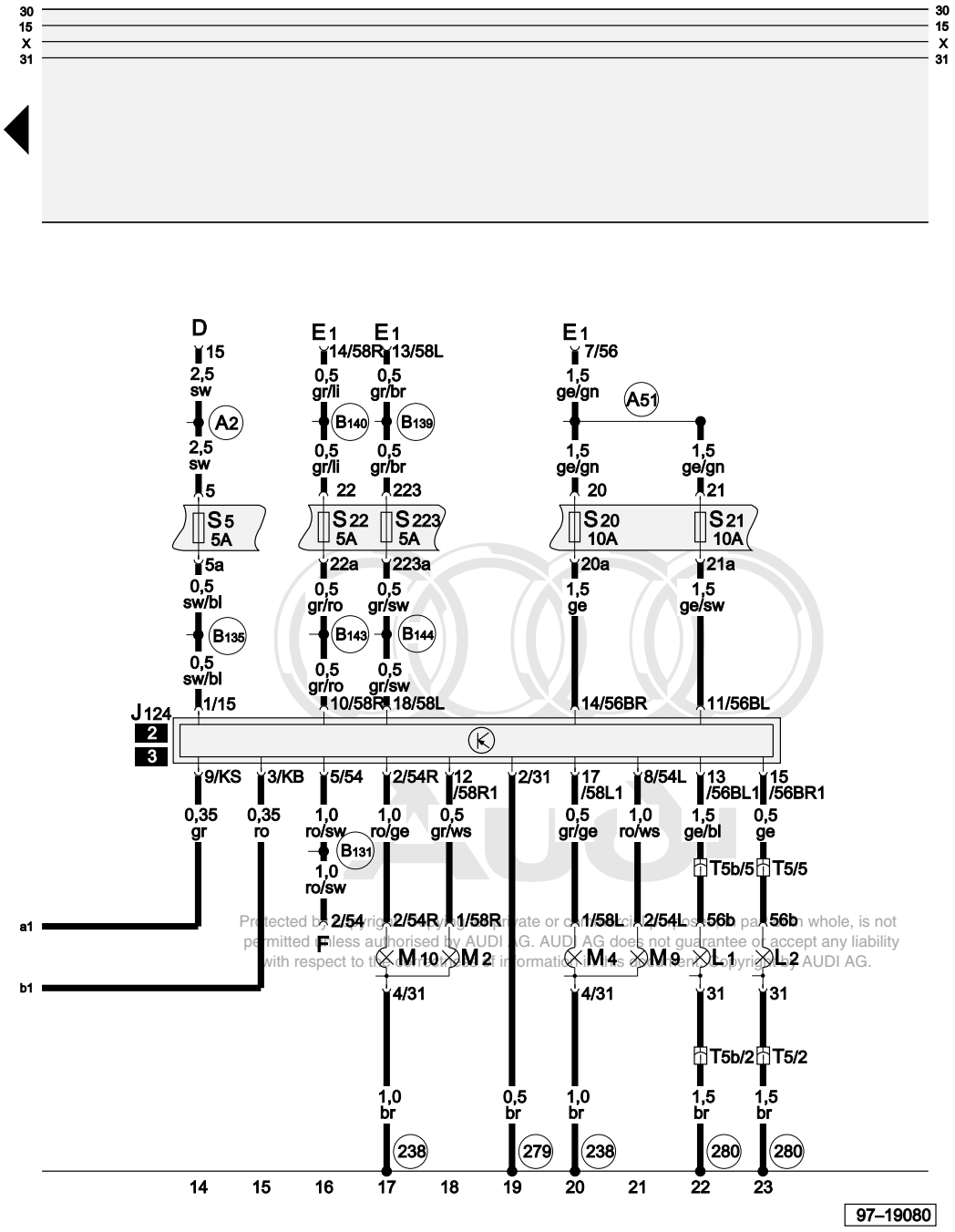


ws = white
sw = black
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

On-board computer with auto-check system, ambient temperature indicator, washer fluid level indicator

E87	Control and display unit for air conditioner
E91	Function selection switch
E92	Reset button
F77	Windscreen washer fluid warning contact
G17	Ambient temperature sensor
G106	Ambient temperature indicator
J189	Auto-check system
J218	Combi-processor in dash panel insert
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos control unit
R	Radio
T6k	6-pin connector, on radio
T10	10-pin connector, white, in plenum chamber
T10v	10-pin connector, on dash panel insert
T12a	12-pin connector, behind dash panel, right
T20	20-pin connector, red, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
Y6	Selector lever position indicator
112	Earth connection -2-, in air conditioner wiring harness
135	Earth connection -2-, in dash panel wiring harness
278	Earth connection -4-, in interior wiring harness
A73	Connection (ambient temperature display), in dash panel wiring harness
A109	Connection (selector lever position display), in dash panel wiring harness
*	Only models with air conditioner
**	Applies to engine codes AGR only
***	Applies to engine codes AEH and AGN only
****	Does not apply to models with air conditioner
*****	Only models with automatic gearbox

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

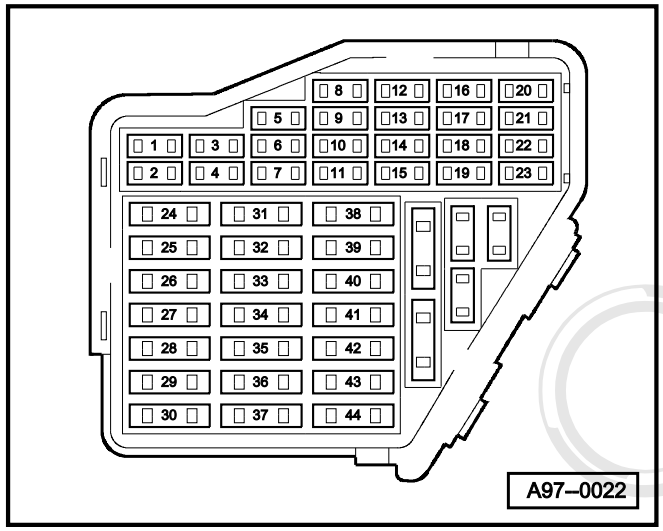
Auto-check system

D	Ignition/starter switch
E1	Lighting switch
F	Brake light switch
J124	Bulb monitoring device, rear
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M2	Tail light bulb, right
M4	Tail light bulb, left
M9	Brake light bulb, left
M10	Brake light bulb, right
T5	5-pin connector, on headlight, right
T5b	5-pin connector, on headlight, left
238	Earth connection -1-, in interior wiring harness
279	Earth connection -5-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A51	Positive (+) connection (56), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
B135	Connection (15a), in interior wiring harness
B139	Connection (PLL), in interior wiring harness
B140	Connection (PLR), in interior wiring harness
B143	Positive (+) connection (58R), in interior wiring harness
B144	Positive (+) connection (58L), in interior wiring harness

Side airbags and airbags for driver's seat and front passenger's seat with belt tensioners

From model year 1997

Fuse box:

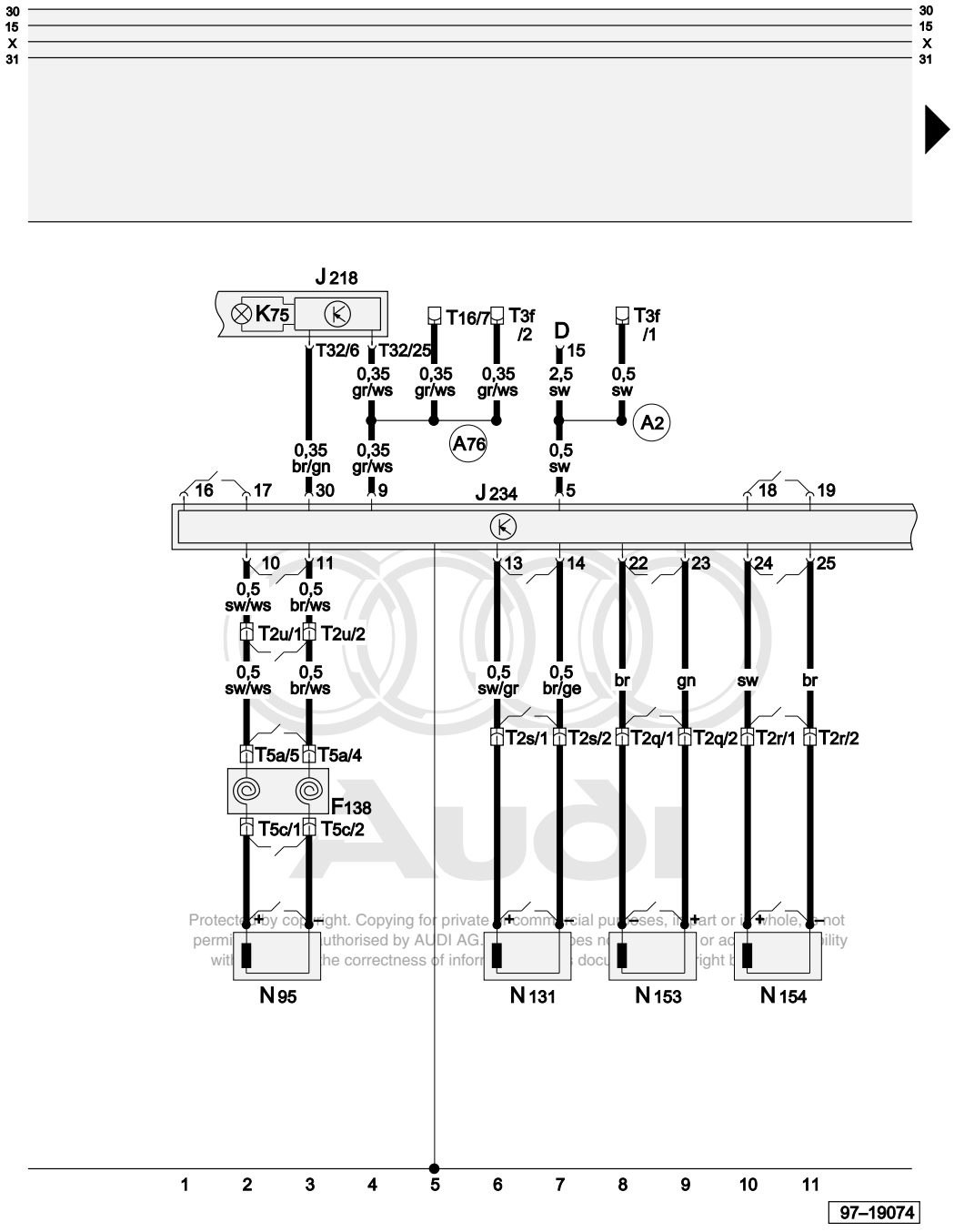


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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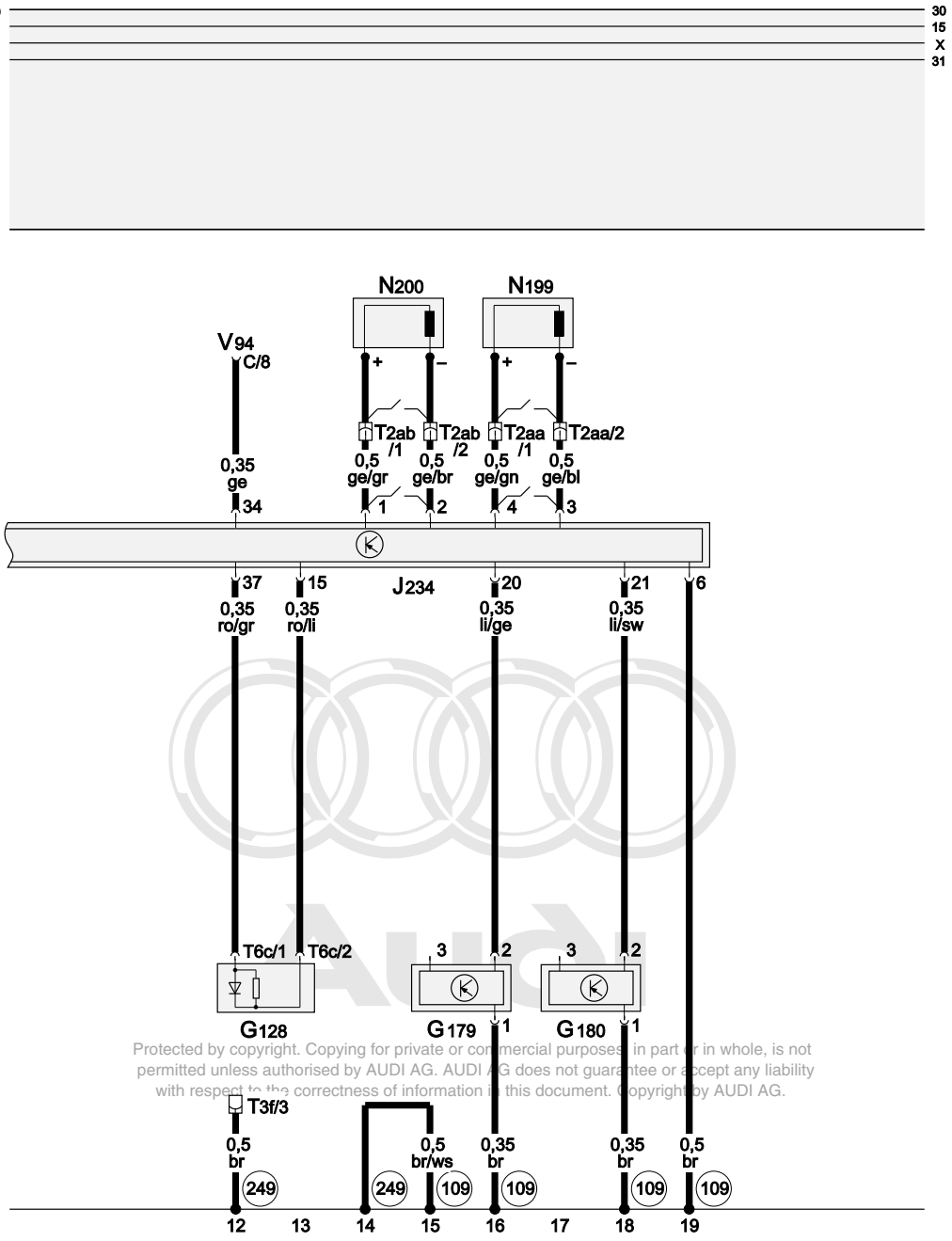


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Side airbags and airbags for driver's seat and front passenger's seat with belt tensioners

D	Ignition/starter switch
F138	Airbag coil connector
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
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
T2u	2-pin connector, behind dash panel, centre
T3f	3-pin connector, wrapped in wiring harness, near front passenger's airbag
T5a	5-pin connector, yellow, behind steering column switch trim
T5c	5-pin connector, yellow, behind steering column switch trim
T16	16-pin connector, centre console, rear (diagnosis connection)
T32	32-pin connector, blue, on dash panel insert
A2	Positive (+) connection (15), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel 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

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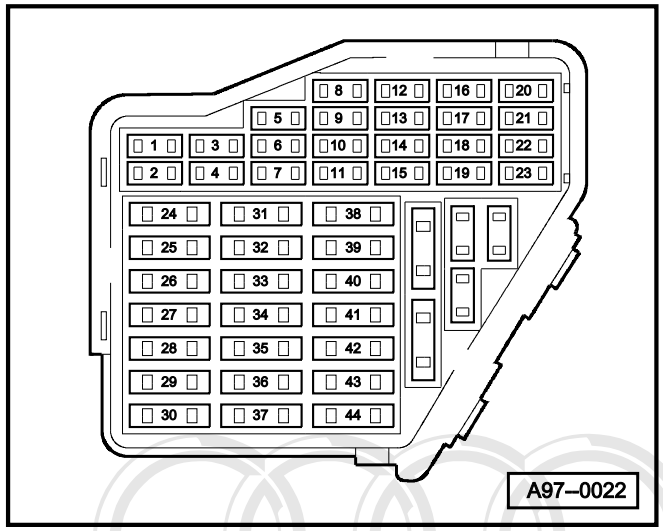
Side airbags and airbags for driver's seat and front passenger's seat with belt tensioners

G128	Seat occupied sensor, front passenger's side
G179	Side airbag crash sensor, driver's side
G180	Side airbag crash sensor, front passenger's side
J234	Airbag control unit
N199	Side airbag igniter, driver's side
N200	Side airbag igniter, front passenger's side
T2aa	2-pin connector, under driver's seat
T2ab	2-pin connector, under front passenger's seat
T3f	3-pin connector, wrapped in wiring harness, near front passenger's airbag
T6c	6-pin connector, red, 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
249	Earth connection -2-, 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

Ambient temperature and selector lever position indicator

From model year 1997

Fuse box:

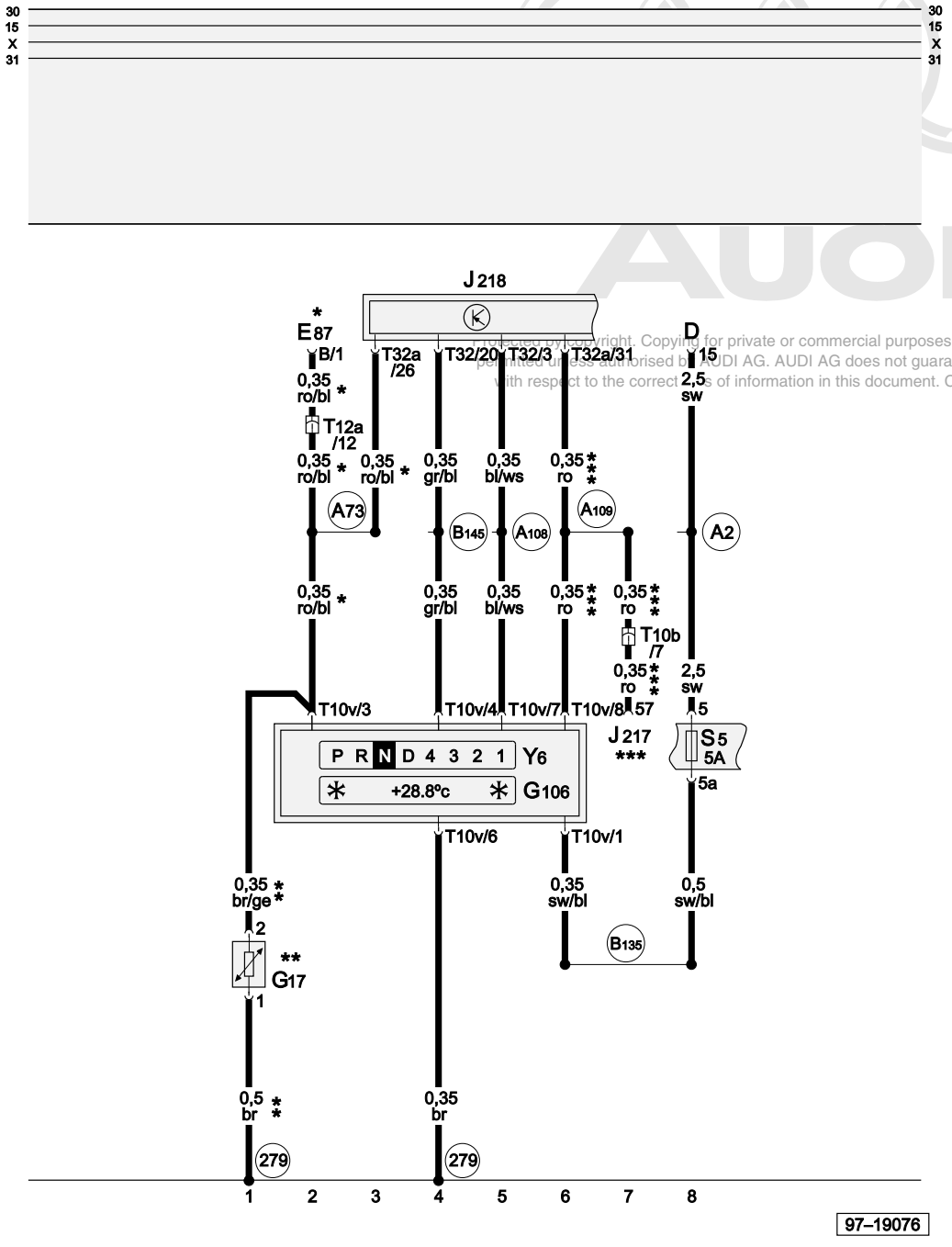


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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ge = yellow
or = orange
rs = pink

Ambient temperature and selector lever position indicator

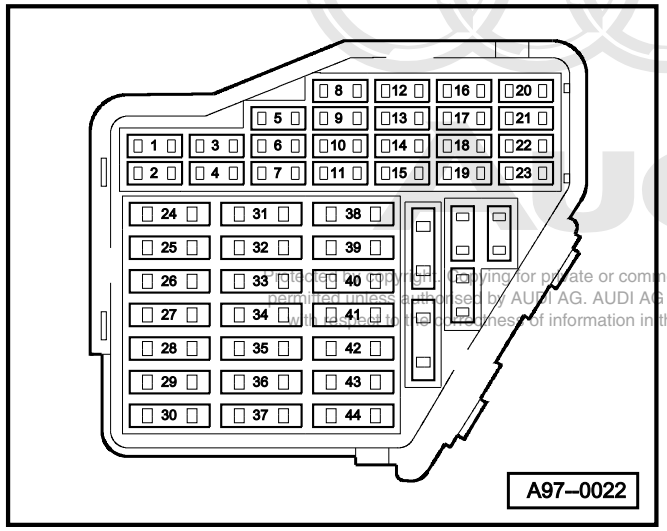
D	Ignition/starter switch
E87	Control and display unit for air conditioner
G17	Ambient temperature sensor
G106	Ambient temperature indicator
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
T10b	10-pin connector, grey, in plenum chamber
T10v	10-pin connector, on dash panel insert
T12a	12-pin connector, behind dash panel, right
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
Y6	Selector lever position indicator
279	Earth connection -5-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A73	Connection (ambient temperature display), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
A109	Connection (selector lever position indicator), in dash panel wiring harness
B135	Connection (15a), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with ambient temperature indicator (only with automatic air conditioner)
**	Only models with ambient temperature indicator (without automatic air conditioner)
***	Only models with selector lever position indicator

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Fog lights

From model year 1997

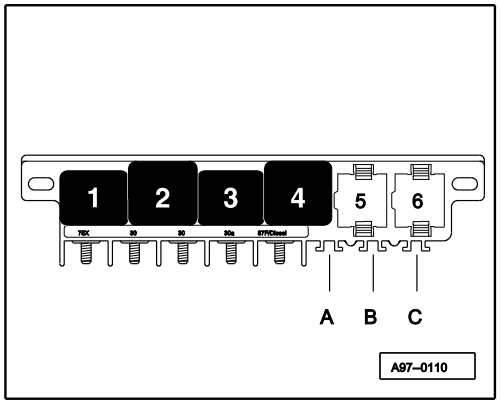
Fuse box:



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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.

Micro-central electrics:



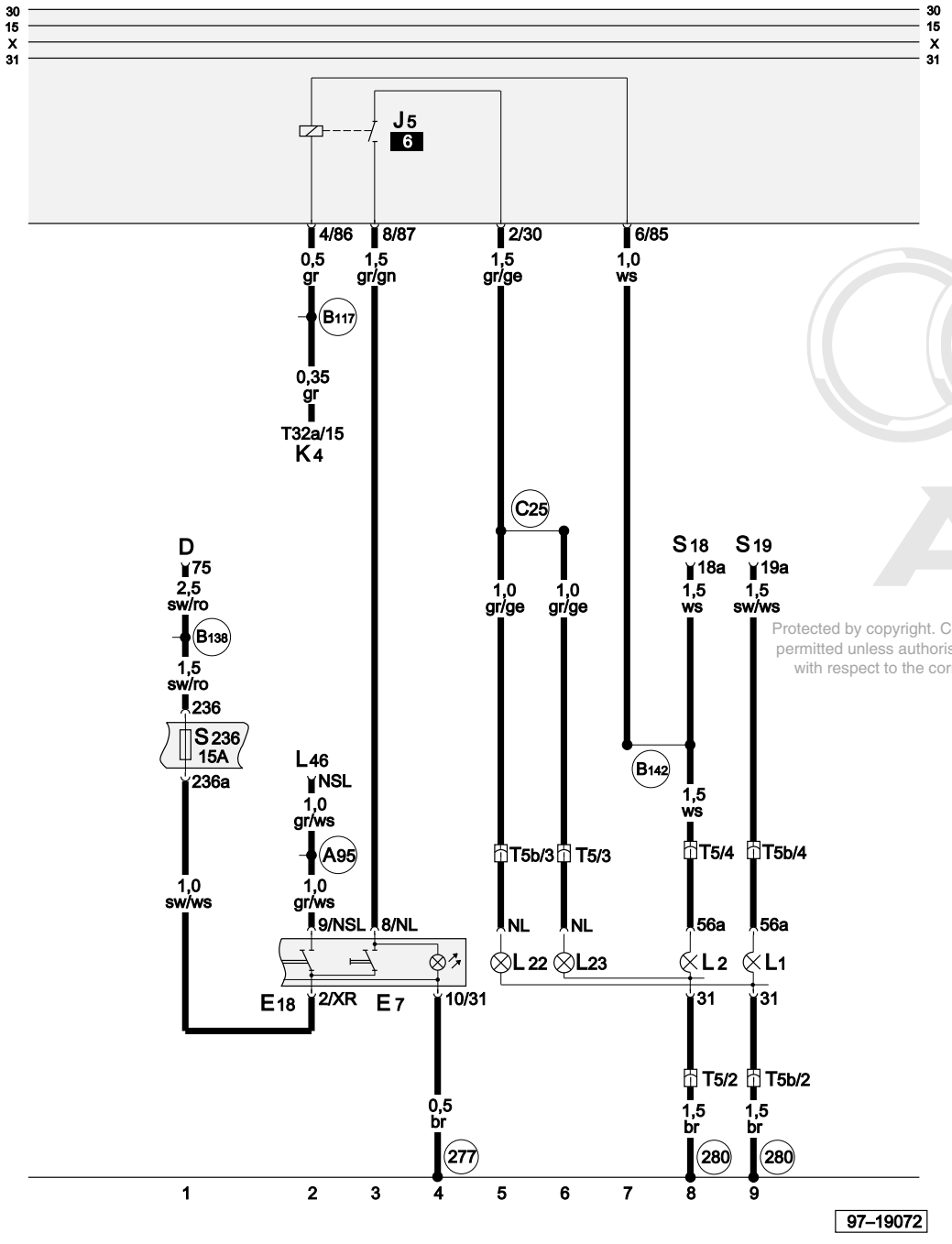
Position of relays:

6 - Fog light relay

Fuse colours

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

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

Fog lights

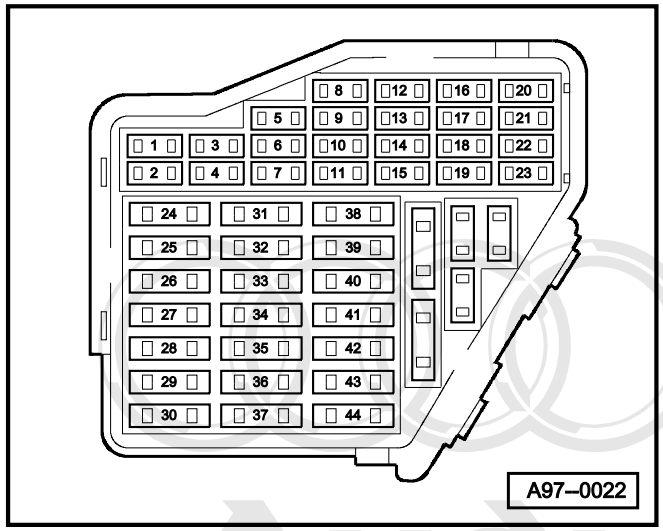
D	Ignition/starter switch
E7	Fog light switch
E18	Rear fog light switch
J5	Fog light relay
K4	Side light warning lamp
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
L22	Fog light bulb, left
L23	Fog light bulb, right
L46	Rear fog light bulb, left
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
T32a	32-pin connector, green, on dash panel insert
277	Earth connection --3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A95	Connection (RFL), in dash panel wiring harness
B117	Positive (+) connection (58a), in interior wiring harness
B138	Positive (+) connection -1- (x), in interior wiring harness
B142	Positive (+) connection -2- (56a), in interior wiring harness
C25	Connection (fog light), in front lighting wiring harness

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Daytime driving lights

From model year 1997

Fuse box:

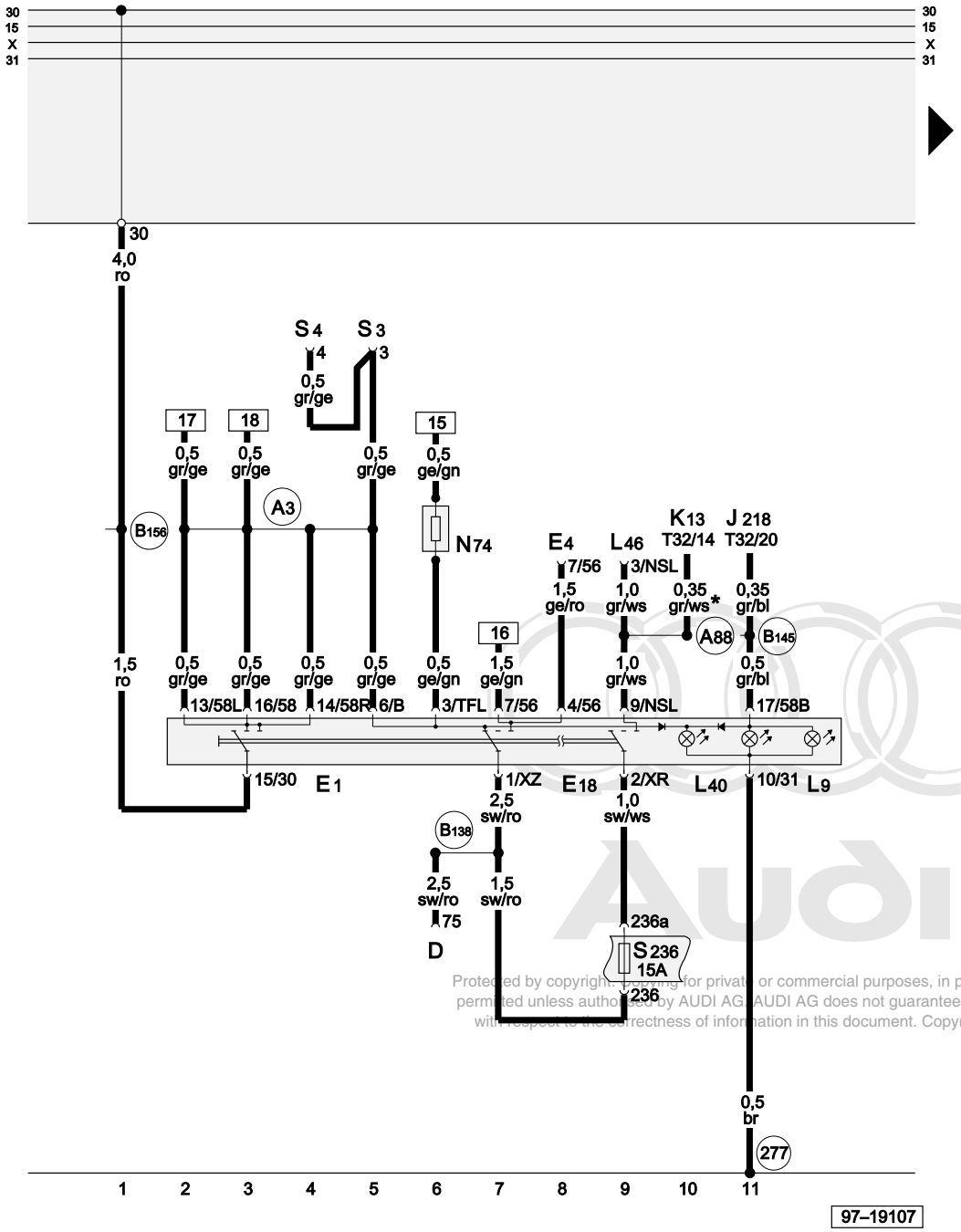


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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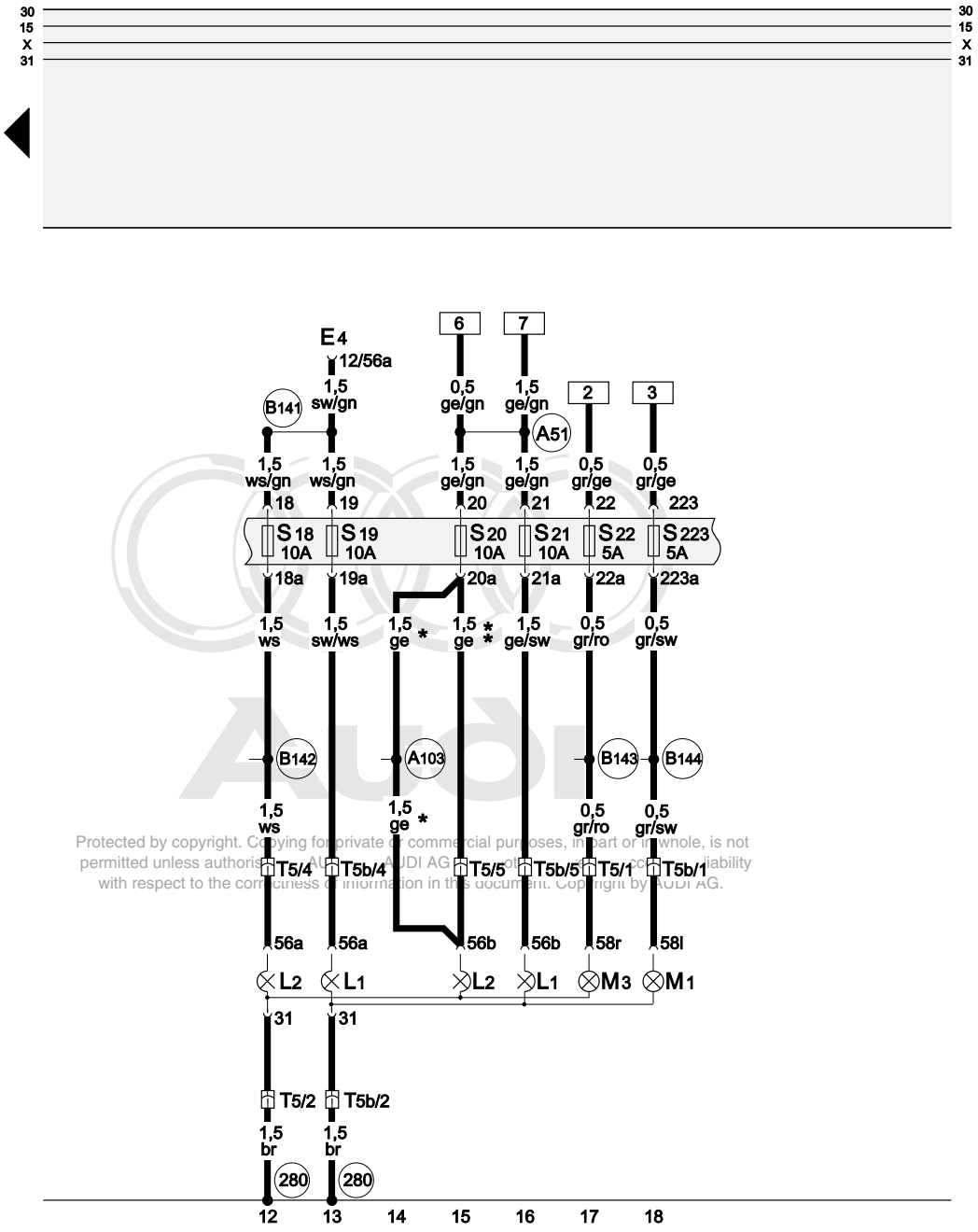


Daytime driving lights

D	Ignition/starter switch
E1	Lighting switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
J218	Combi-processor in dash panel insert
K13	Rear fog light warning lamp
L9	Lighting switch light bulb
L40	Front and rear fog light switch bulb
L46	Rear fog light bulb, left
N74	Resistance wire
T32	32-pin connector, blue, on dash panel insert
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
B138	Positive (+) connection (X), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B156	Positive (+) connection -4- (30), in interior wiring harness
*	Applicable up 1997 model year 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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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Daytime driving lights

E4 Headlight dipper/flasher switch
L1 Twin filament bulb for headlight, left
L2 Twin filament bulb for headlight, right
M1 Side light bulb, left
M3 Side light bulb, right
T5 5-pin connector, headlight, right
T5b 5-pin connector, headlight, left

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

A51 Connection (56), in dash panel wiring harness

A103 Connection --2- (56), in dash panel wiring harness

B141 Positive (+) connection -2- (56a), in interior wiring harness

B142 Positive (+) connection -2- (56a), in interior wiring harness

B143 Positive (+) connection (58R), in interior wiring harness

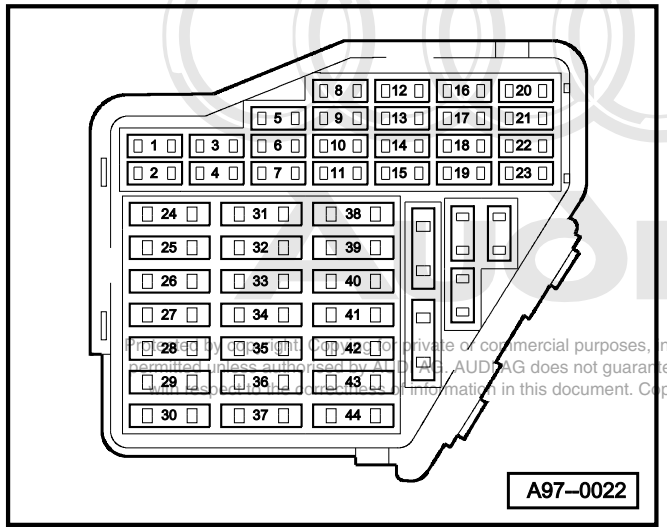
B144 Positive (+) connection (58L), in interior wiring harness

* Applicable from model year 1998
** Applicable up 1997 model year only

Heated door lock cylinder, driver's side

From model year 1997

Fuse box:

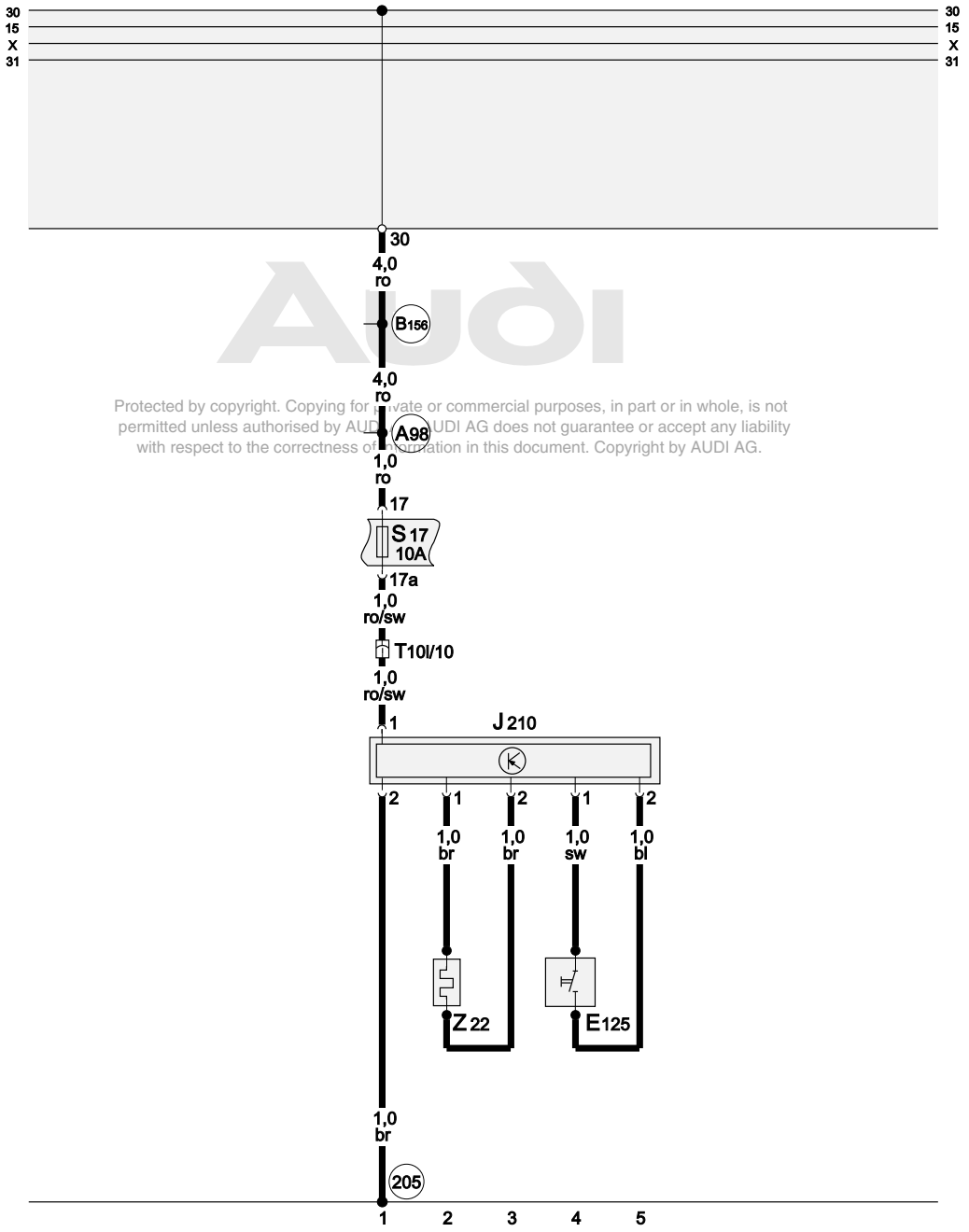


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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



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Heated door lock cylinder, driver's side

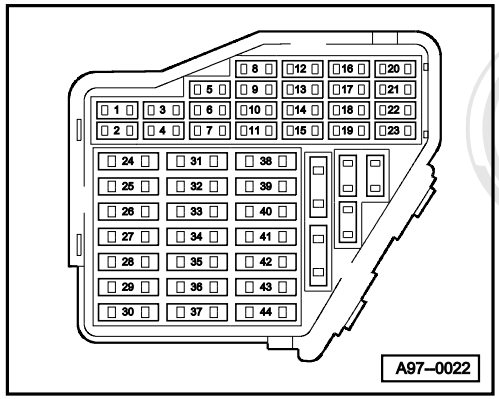
E125	Left heated lock cylinder switch
J210	Left heated lock cylinder control unit
T10l	10-pin connector, red, connector carrier, A pillar, left
Z22	Heater element, left lock cylinder
205	Earth connection, in door wiring harness - driver's side
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection -4- (30), 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

Audi A3 (1,8 l litre fuel injection engine, 110 kW, Motronic, 4-cylinder) engine codes AGU

From model year 1997

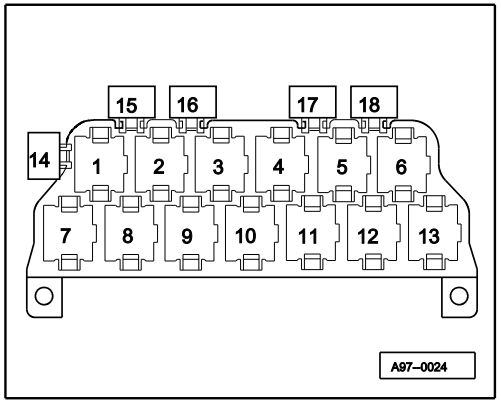
Fuse box:



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:

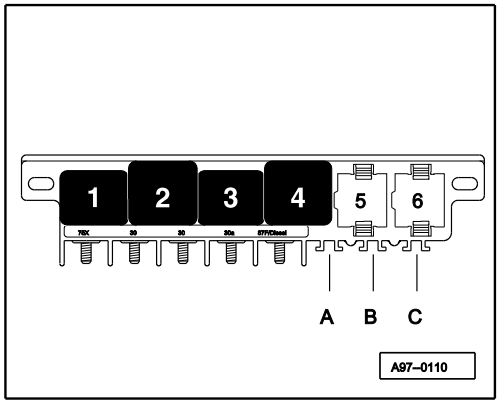
11 - Starter inhibitor and reversing light relay

Fuse colours

30 A - green
25 A - white
20 A - yellow

15 A - blue
10 A - red
5A - beige

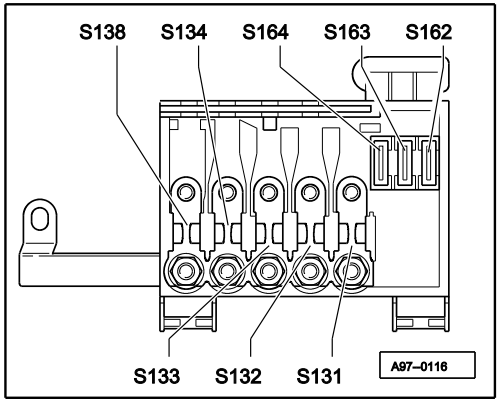
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

Main fuse box/battery:



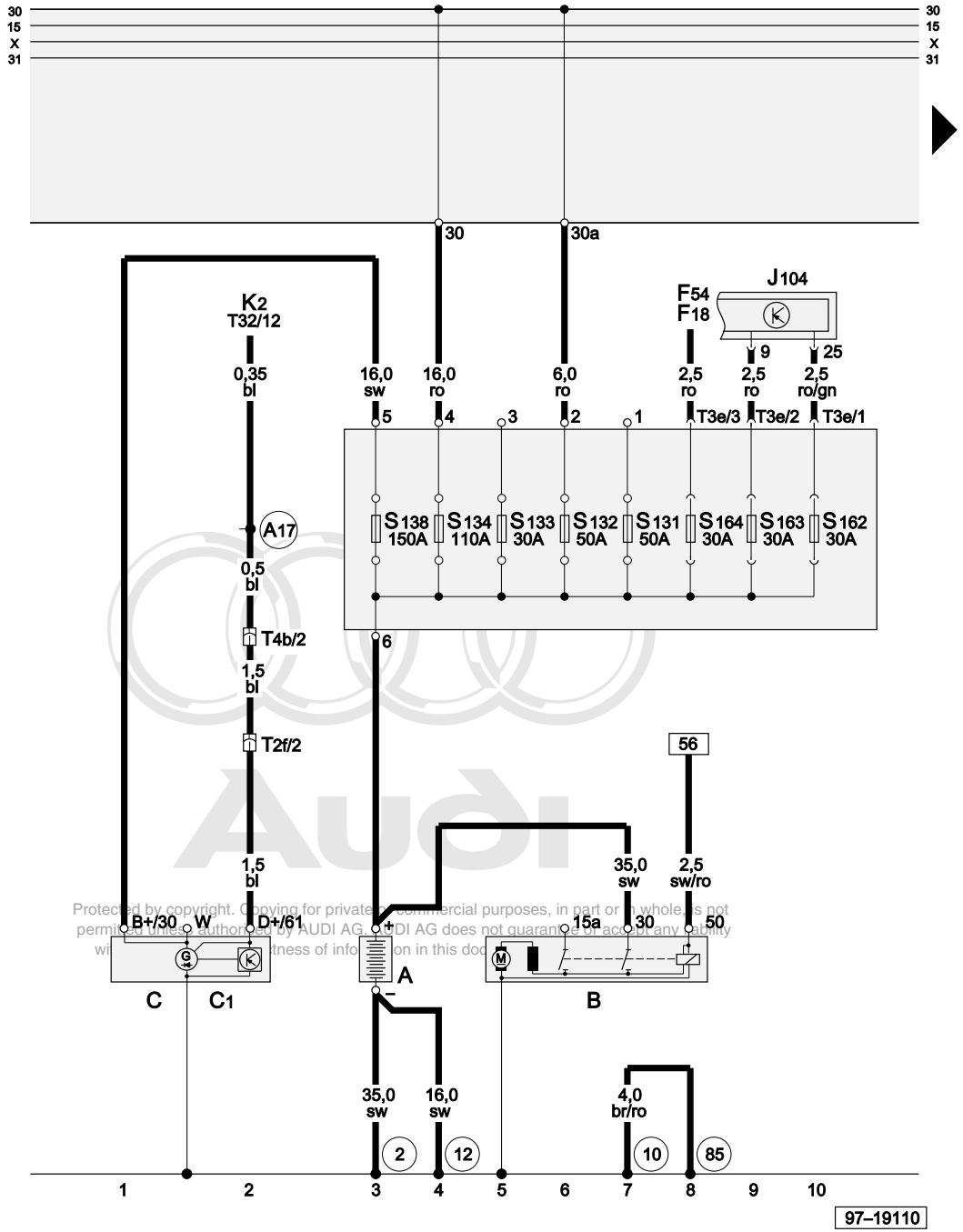
Fuse colours

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5

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S162 - 1 in fuse box/battery
S163 - 2 in fuse box/battery
S164 - 3 in fuse box/battery
S133 - S132
S131

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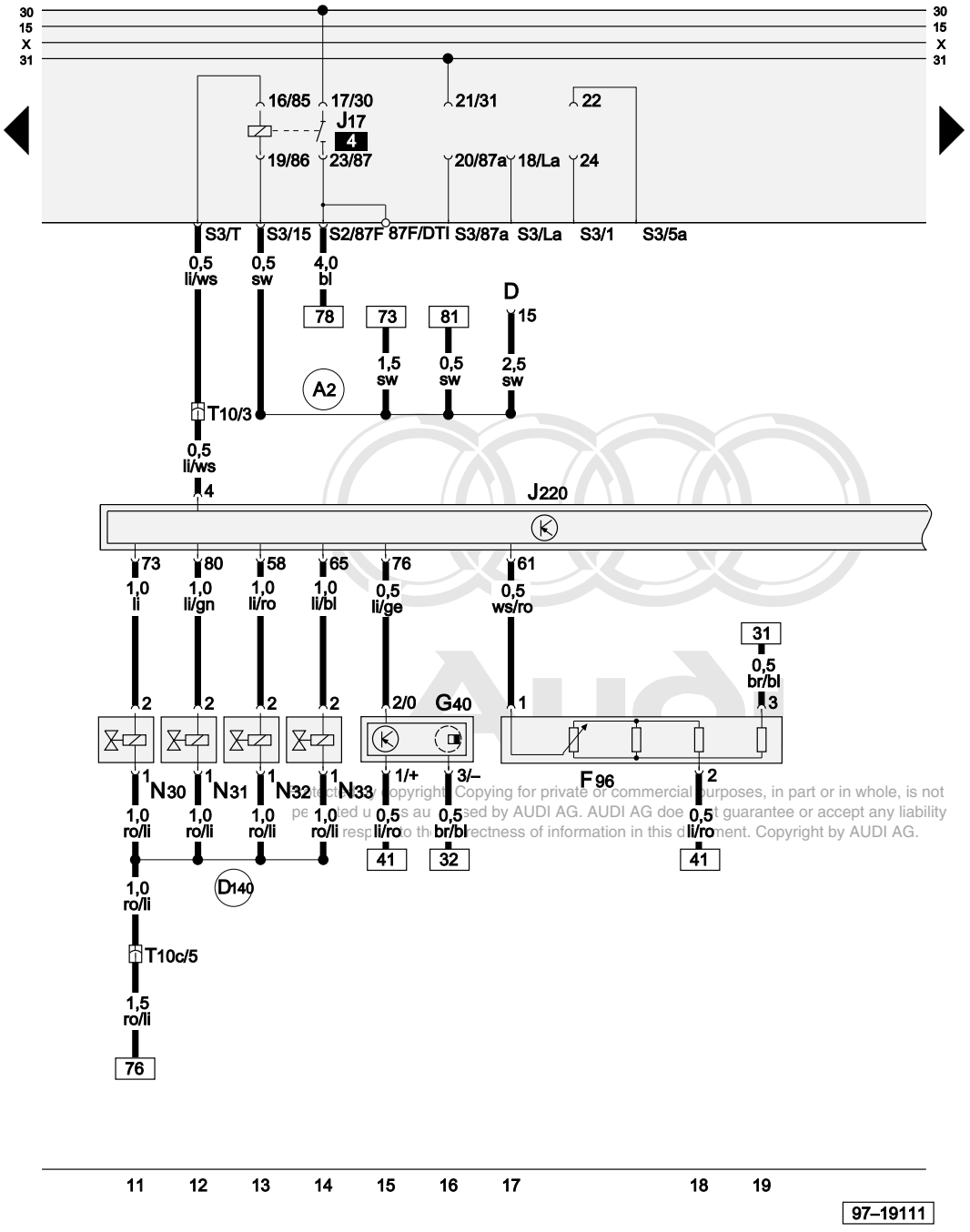


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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J104	ABS with EDL control unit
K2	Alternator warning lamp
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T4b	4-pin connector, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
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
A17	Positive (+) connection (61), in dash panel wiring harness

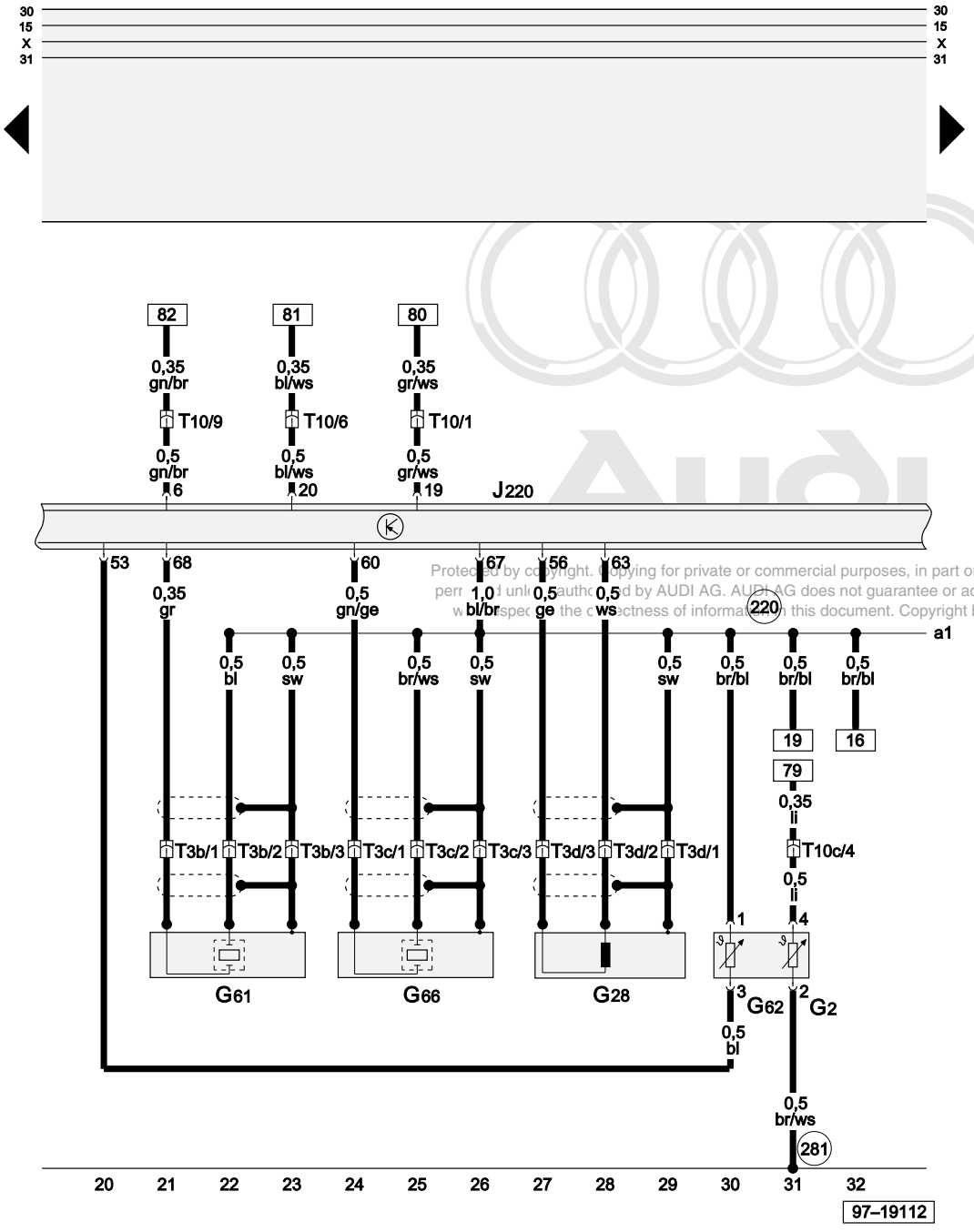


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Motronic control unit, fuel pump relay, injectors, Hall sender, altitude sender

D	Ignition/starter switch
F96	Altitude sender
G40	Hall sender
J17	Fuel pump relay
J220	Motronic control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
A2	Positive (+) connection (15), in dash panel wiring harness
D140	Connection (injectors), in engine prewiring wiring harness

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

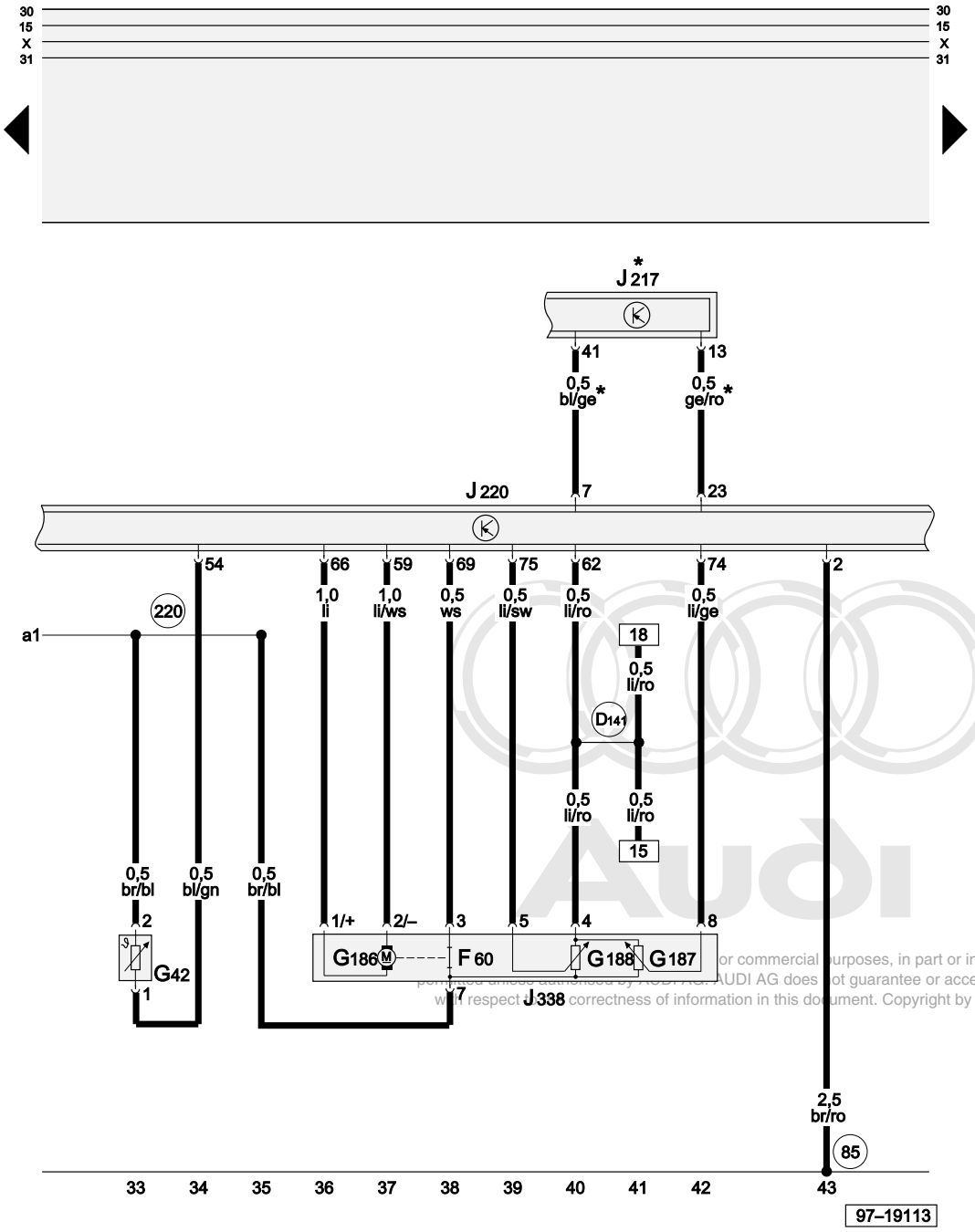


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or = orange
rs = pink

Motronic control unit, knock sensors, 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
T3b	3-pin connector, black, in engine compartment
T3c	3-pin connector, brown, in engine compartment
T3d	3-pin connector, grey, in engine compartment
T10	10-pin connector, white, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
281	Earth connection -1-, in engine prewiring wiring harness

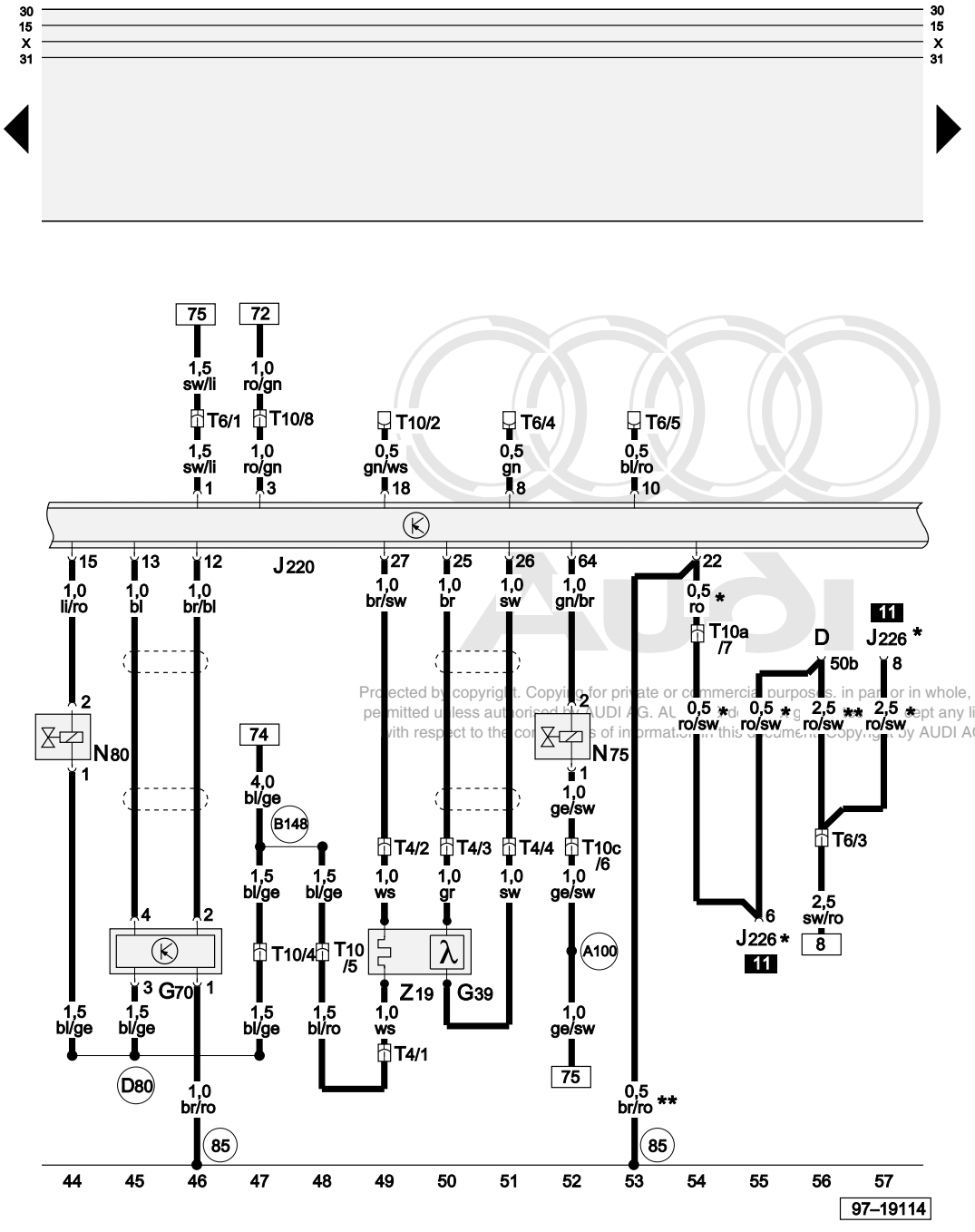


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Motronic control unit, throttle valve control unit, ambient temperature sensor

F60	Idling switch
G42	Intake air temperature sender
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J217	Automatic gearbox control unit
J220	Motronic control unit
J338	Throttle valve control unit
85	Earth connection -1-, in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with automatic gearbox

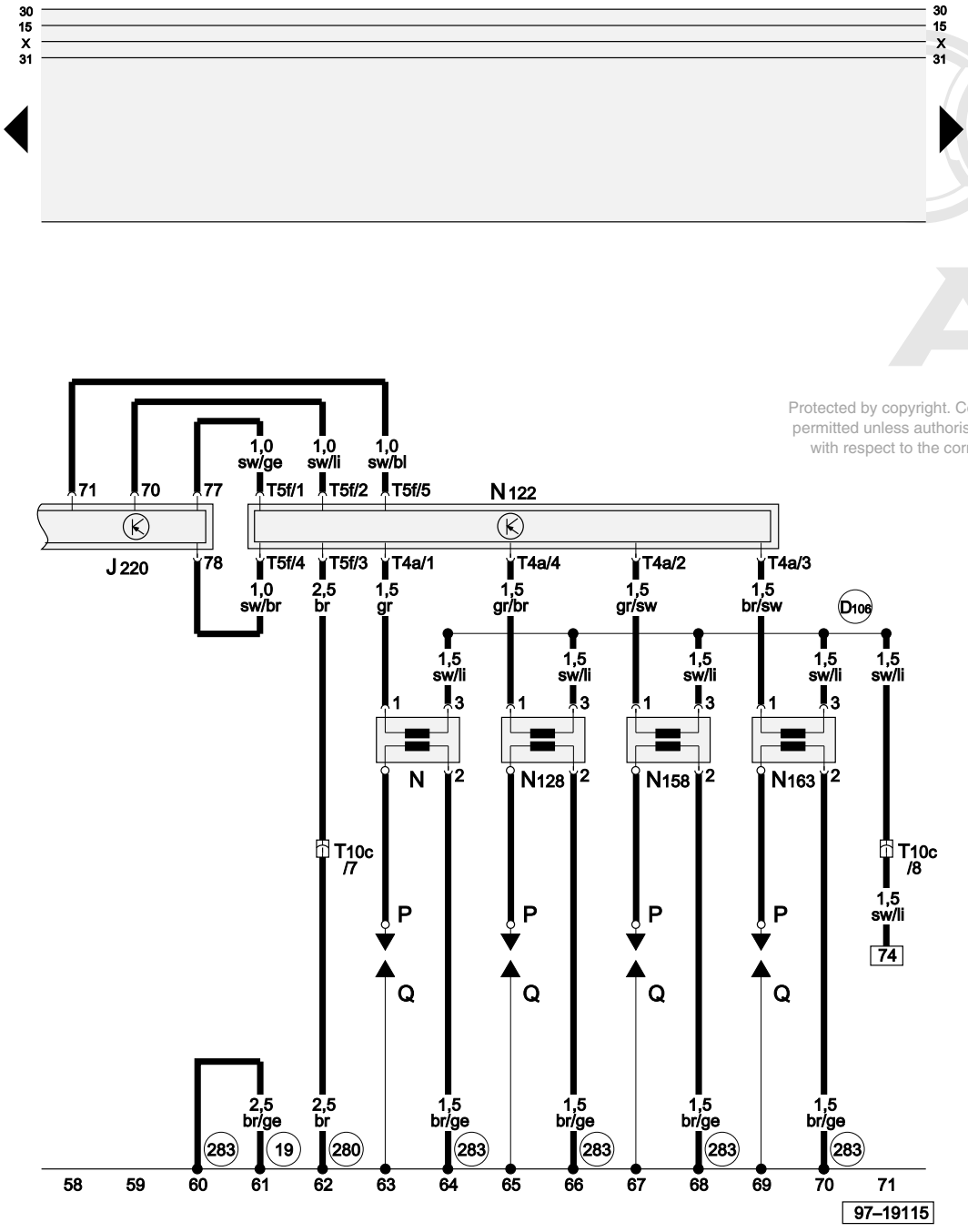


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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Motronic control unit, lambda probe, air mass meter, charge pressure control solenoid valve, activated charcoal filter system solenoid valve

D	Ignition/starter switch
G39	Lambda probe
G70	Air mass meter
J220	Motronic control unit
J226	Starter inhibitor and reversing light relay
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
T4	4-pin connector, in engine compartment, right
T6	6-pin connector, red, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10a	10-pin connector, green, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
Z19	Lambda probe heater
85	Earth connection -1-, in engine compartment wiring harness
A100	Connection -2- (87), in dash panel wiring harness
B148	Positive (+) connection -3- (87), in interior wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox

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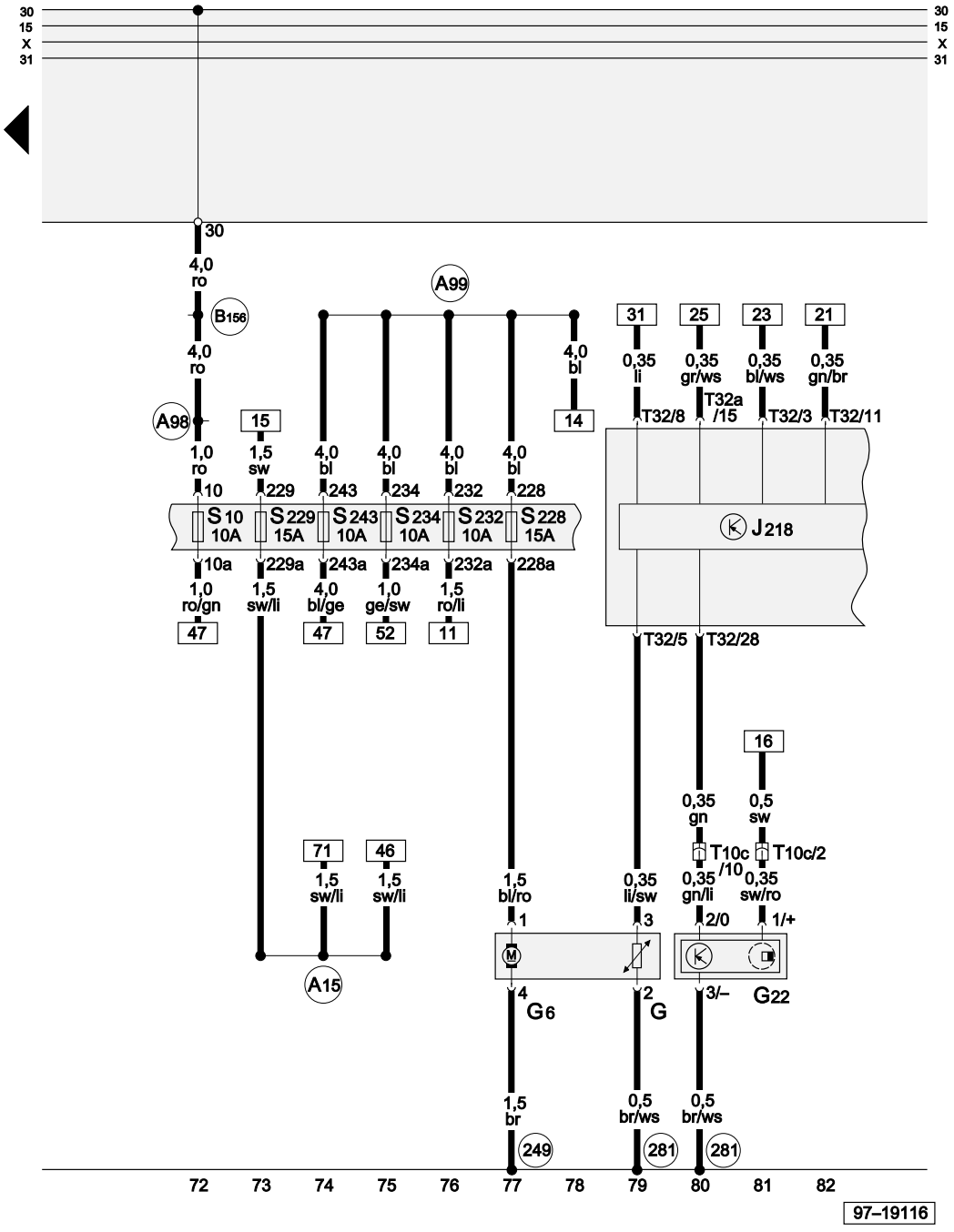


ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Motronic control unit, ignition system

J220	Motronic control unit
N	Ignition coil 1
N122	Final output stage
N128	Ignition coil 2
N158	Ignition coil 3
N163	Ignition coil 4
P	Spark plug connector
Q	Spark plugs
T4a	4-pin connector, in engine compartment
T5f	5-pin connector, in engine compartment
T10c	10-pin connector, black, wiring duct, in engine compartment, left
19	Earth point, near coil
280	Earth connection -2-, in engine compartment wiring harness
283	Earth connection -2-, in engine prewiring wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
D106	Connection -4-, in engine compartment wiring harness

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Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

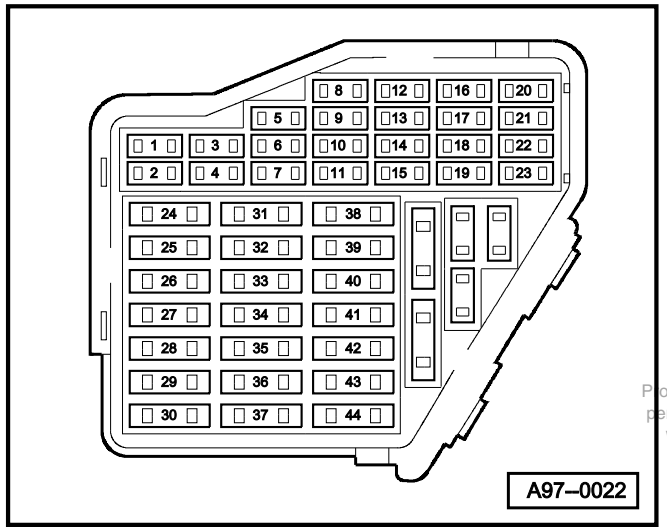
G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
249	Earth connection -2-, in interior wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

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Basic equipment and Audi A3 (1,8 l litre fuel injection engine, 92 kW, Motronic, 4-cylinder) engine codes AGN

From model year 1998

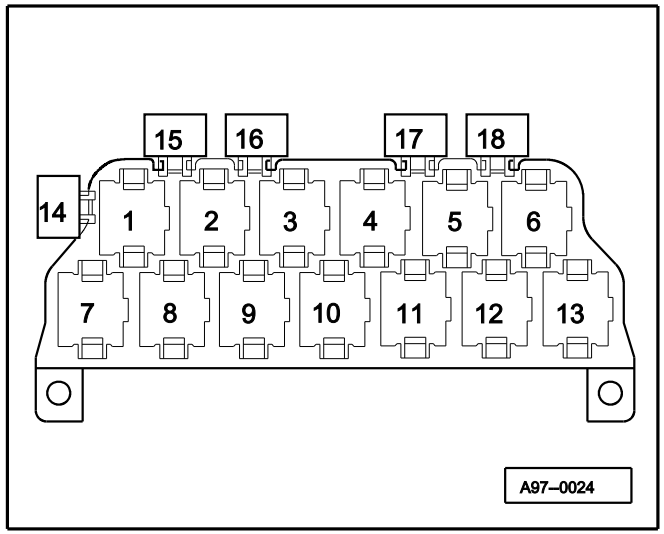
Fuse box:



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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.

13-point relay carrier:



Position of relays:

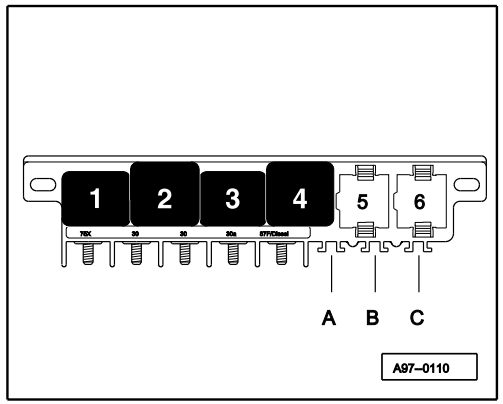
11 - Starter inhibitor and reversing light relay

Fuse colours

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

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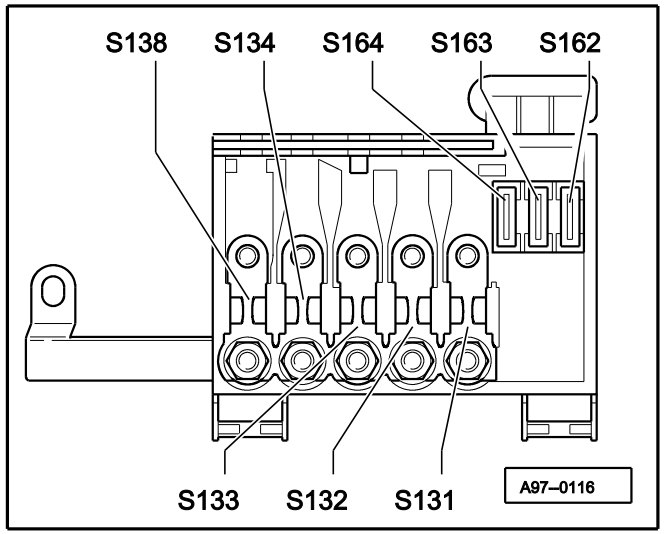
Micro-central electrics:



Position of relays:

1 - Dual tone horn relay
2 - X contact relief relay
3 - Free
4 - Fuel pump relay
5,6 - Automatic intermittent wash/wipe relay

Main fuse box/battery:

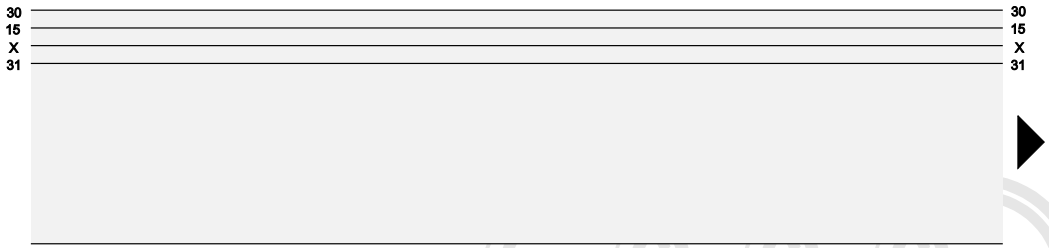


Position of fuses:

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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
S131

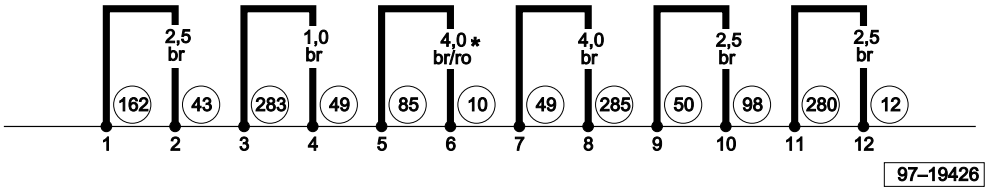
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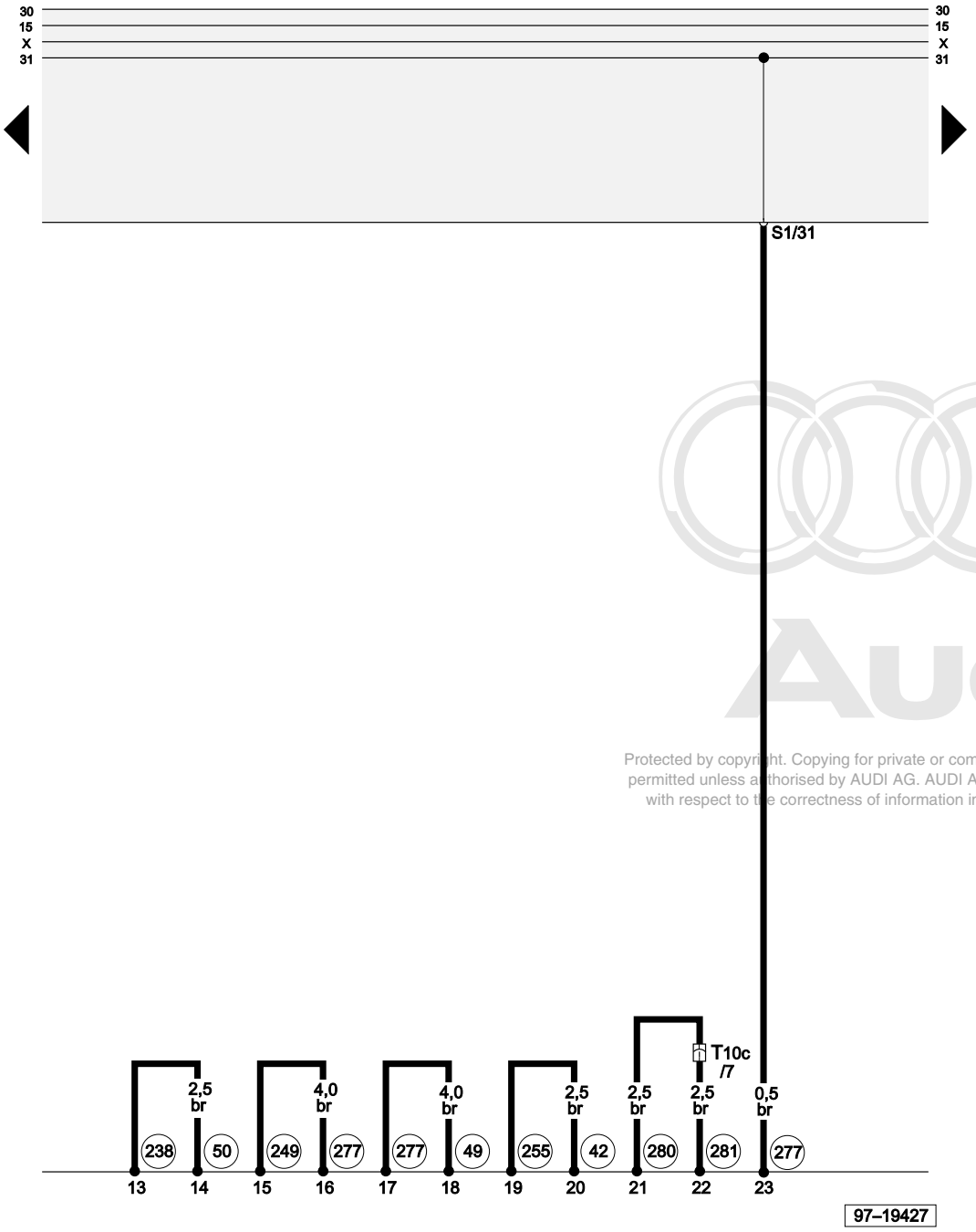
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Earth connections

10	Earth point, in plenum chamber
12	Earth point, in engine compartment, left
43	Earth point, lower part of right A-pillar
49	Earth point, next to steering columm, left
50	Earth point, on left luggage compartment
85	Earth connection -1-, in engine compartment wiring harness
98	Earth connection, in tailgate/boot lid wiring harness
162	Earth connection, in blower motor wiring harness
280	Earth connection -2-, in engine compartment wiring harness
283	Earth connection -2-, in engine prewiring wiring harness
285	Earth connection -7-, in interior wiring harness
*	Export versions (only northern countries)



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



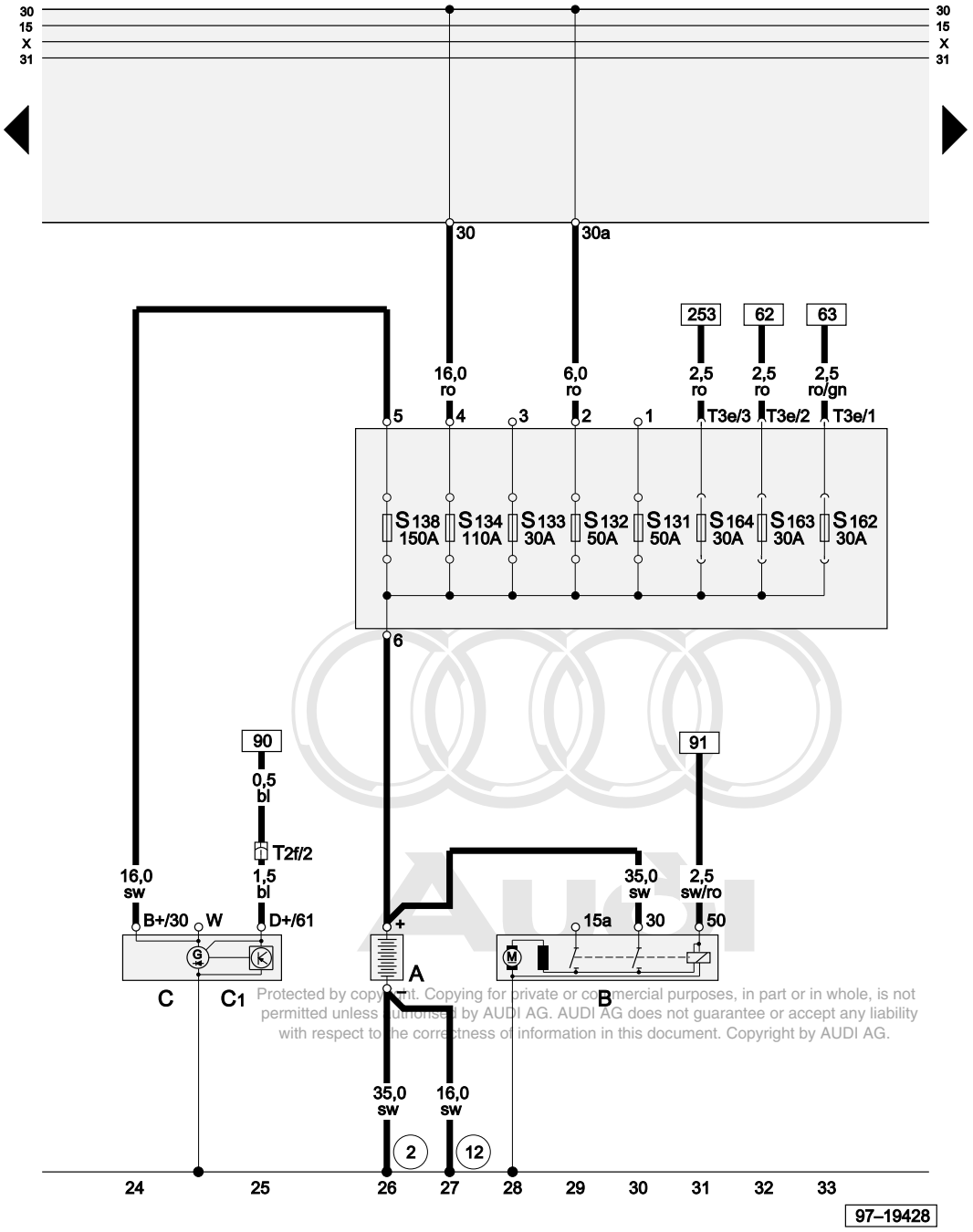
Earth connections

T10c 10-pin connector, black, wiring duct, in engine compartment, left

- 42 Earth point, next to steering columm
- 49 Earth point, next to steering columm, left
- 50 Earth point, on left luggage compartment
- 238 Earth connection -1-, in interior wiring harness
- 249 Earth connection -2-, in interior wiring harness
- 255 Earth connection -1-, in radio wiring harness
- 277 Earth connection -3-, in interior wiring harness
- 280 Earth connection -2-, in engine compartment wiring harness
- 281 Earth connection -1-, in engine prewiring wiring harness

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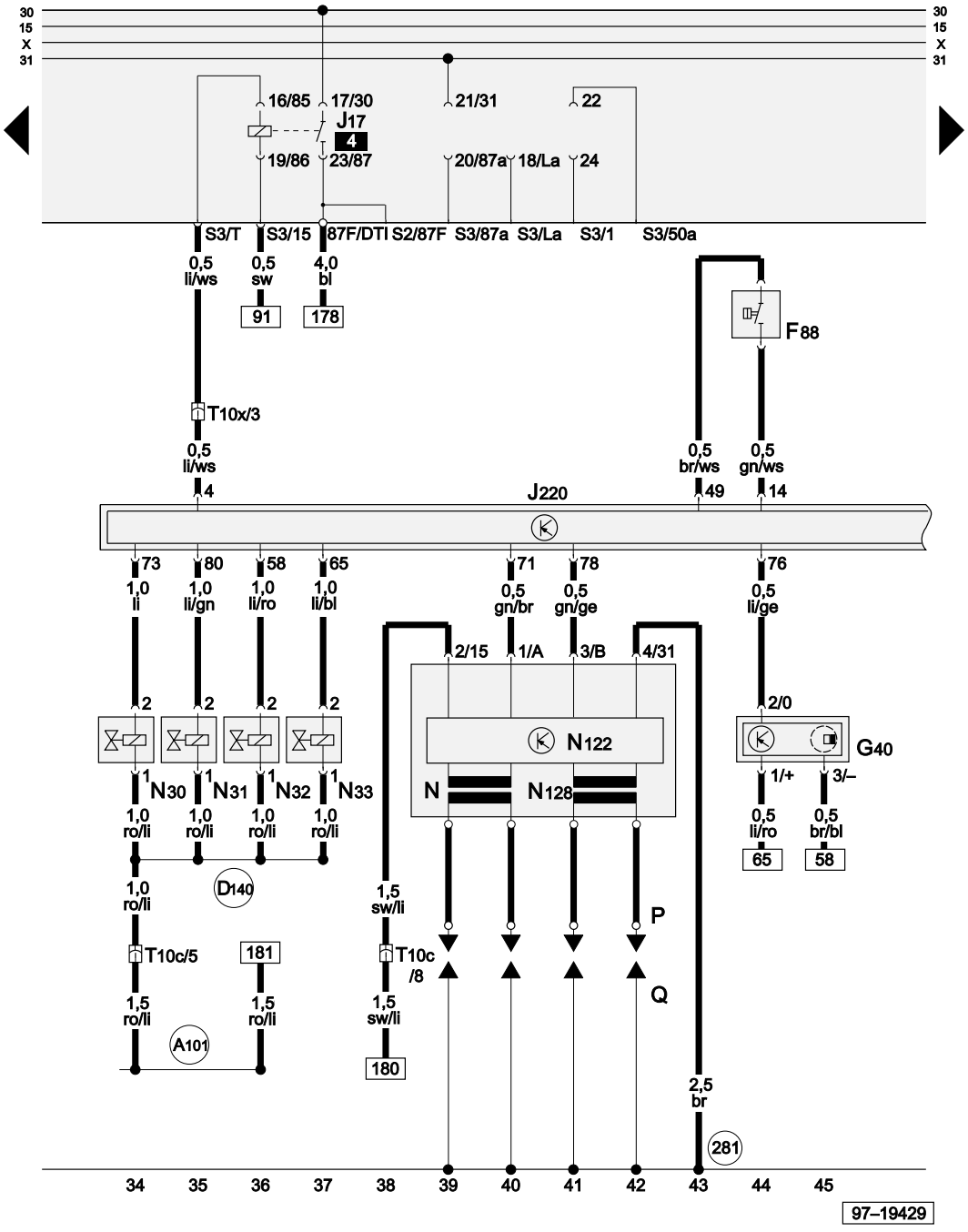


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Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
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
T2f	2-pin connector, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
(2)	Earth strap, gearbox - body
(12)	Earth point, in engine compartment, left

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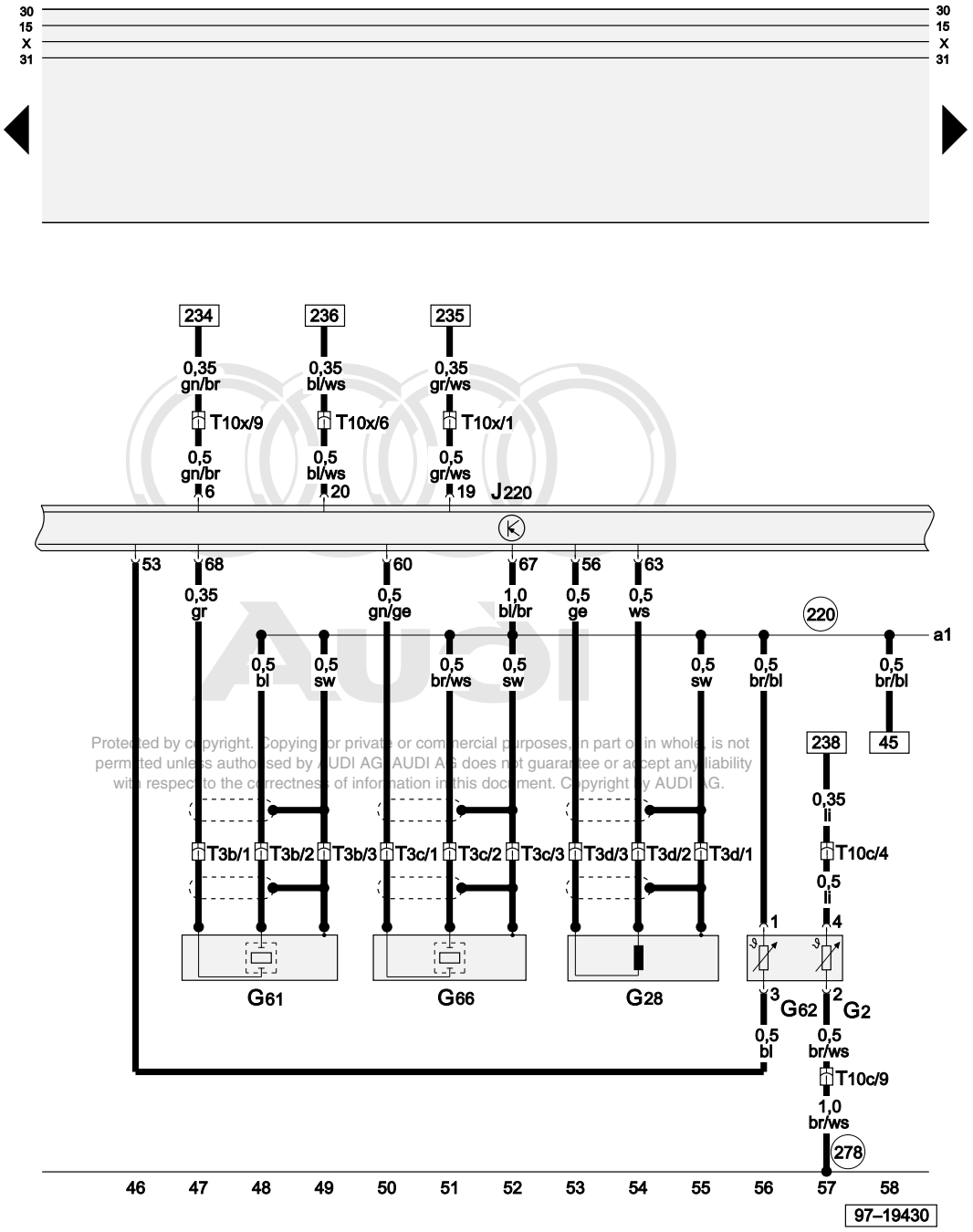


Motronic control unit, fuel pump relay, injectors, ignition system, Hall sender

F88	Power assisted steering pressure switch
G40	Hall sender
J17	Fuel pump relay
J220	Motronic control unit
N	Ignition coil 1
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
281	Earth connection -1-, in engine prewiring wiring harness
A101	Connection -3- (87), in dash panel wiring harness
D140	Connection (injectors), in engine prewiring wiring harness

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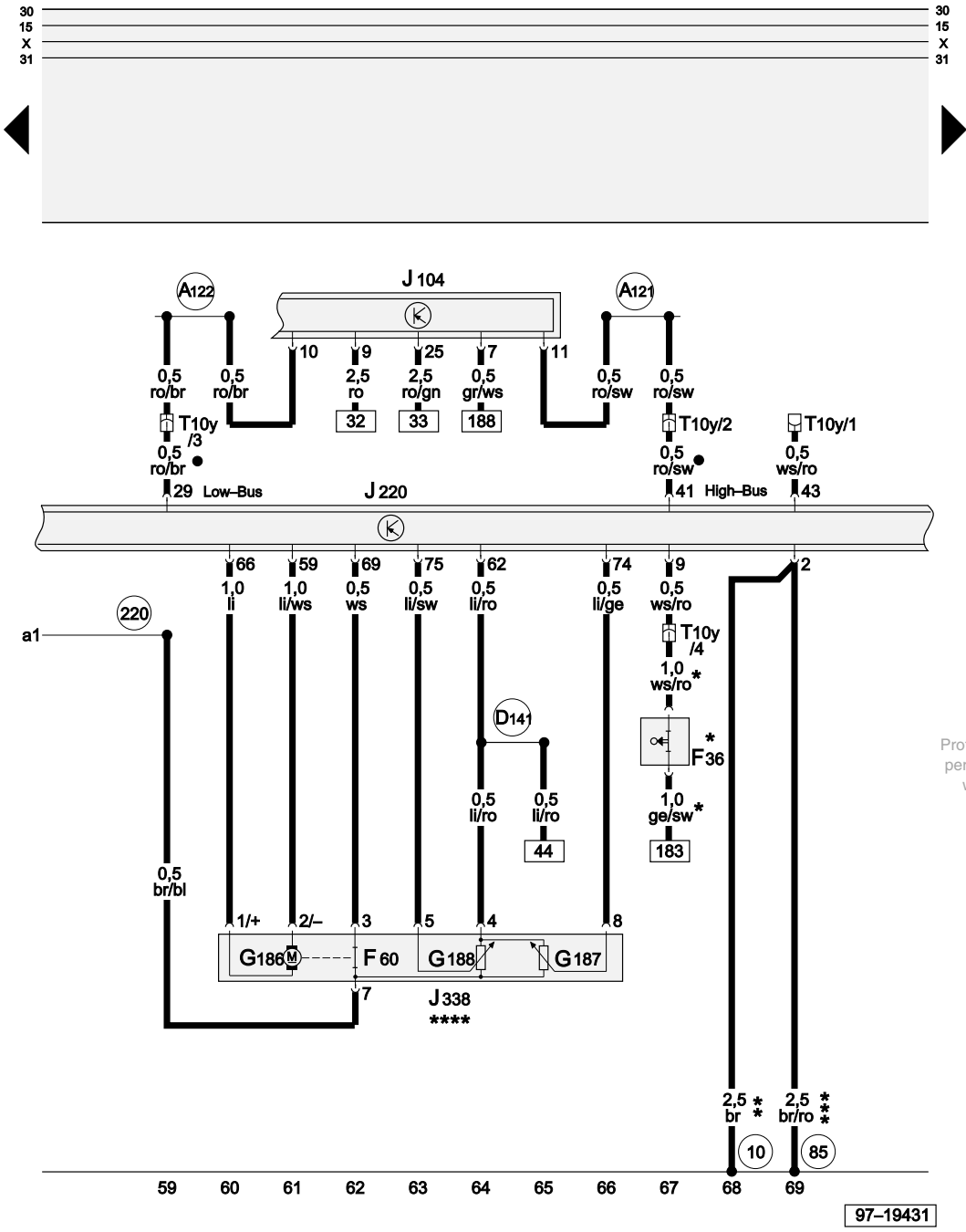


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Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J220	Motronic control unit
T3b	3-pin connector, black, in engine compartment
T3c	3-pin connector, brown, in engine compartment
T3d	3-pin connector, grey, in engine compartment
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
278	Earth connection -4-, in interior wiring harness

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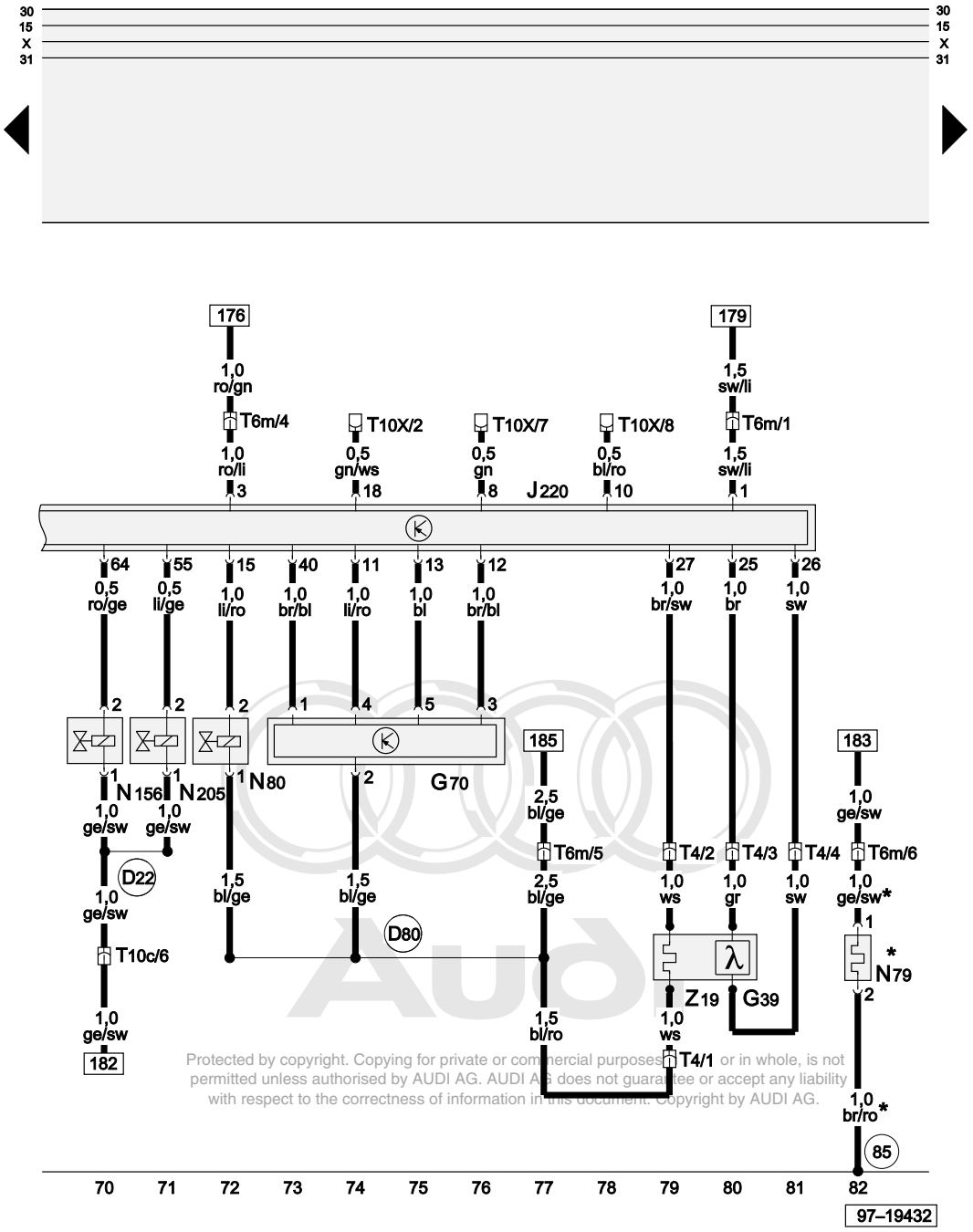


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Motronic control unit, throttle valve control unit

F36	Clutch pedal switch
F60	Idling switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J220	Motronic control unit
J338	Throttle valve control unit
T10y	10-pin connector, green, in plenum chamber
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with manual gearbox
**	Does not apply to northern countries
***	Only northern countries
****	Wiring of connections on models without cruise control system
	Wiring of connections on models with cruise control system, see applicable Current Flow Diagram: Cruise control system

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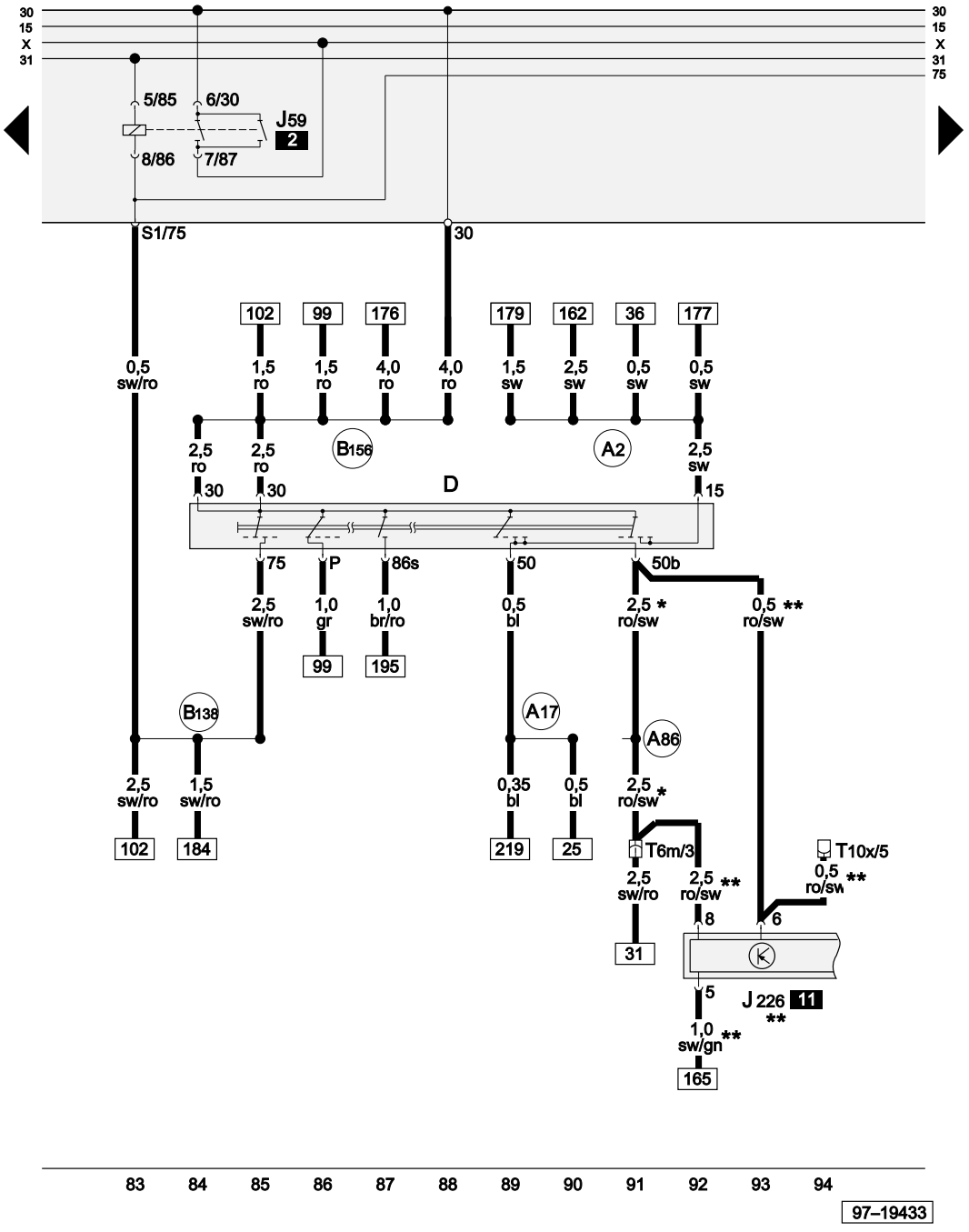


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Motronic control unit, lambda probe, air mass meter, inlet camshaft timing adjustment valve, Activated charcoal filter system solenoid valve, intake manifold change-over valve

G39	Lambda probe
G70	Air mass meter
J220	Motronic control unit
N79	Heater element (crankcase breather)
N80	Activated charcoal filter system solenoid valve 1
N156	Intake manifold change-over valve
N205	Inlet camshaft timing adjustment valve -1-
T4	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
85	Earth connection -1-, in engine compartment wiring harness
D22	Connection (via fuse 234), in front right wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Export versions (only northern countries)

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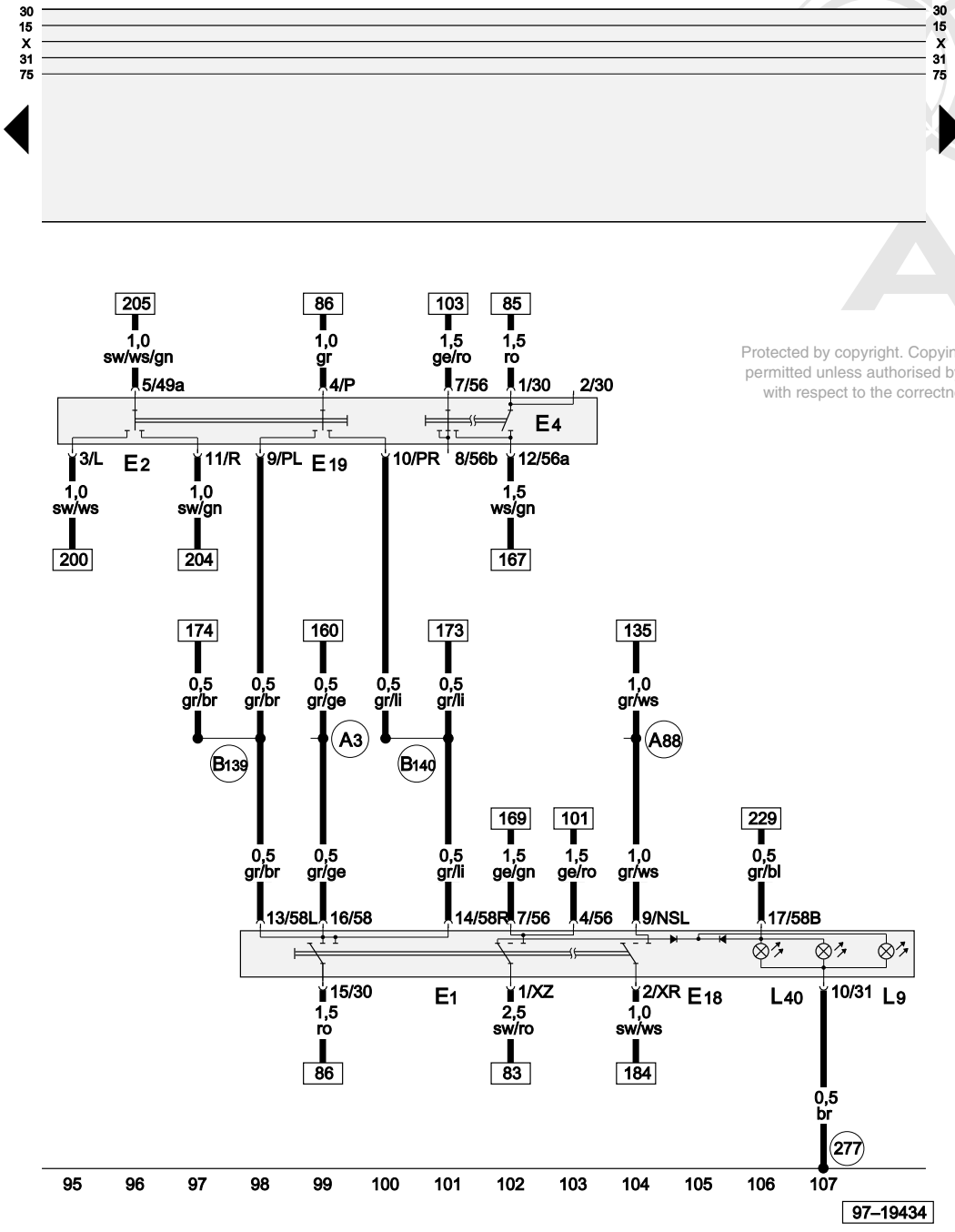


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Ignition/starter switch, X contact relief relay

D	Ignition/starter switch
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
A2	Positive (+) connection (15), in dash panel wiring harness
A17	Positive (+) connection (61), in dash panel wiring harness
A86	Connection (50a), in dash panel wiring harness
B138	Positive (+) connection -1- (x), in interior wiring harness
B156	Positive (+) connection -4- (30), in interior wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

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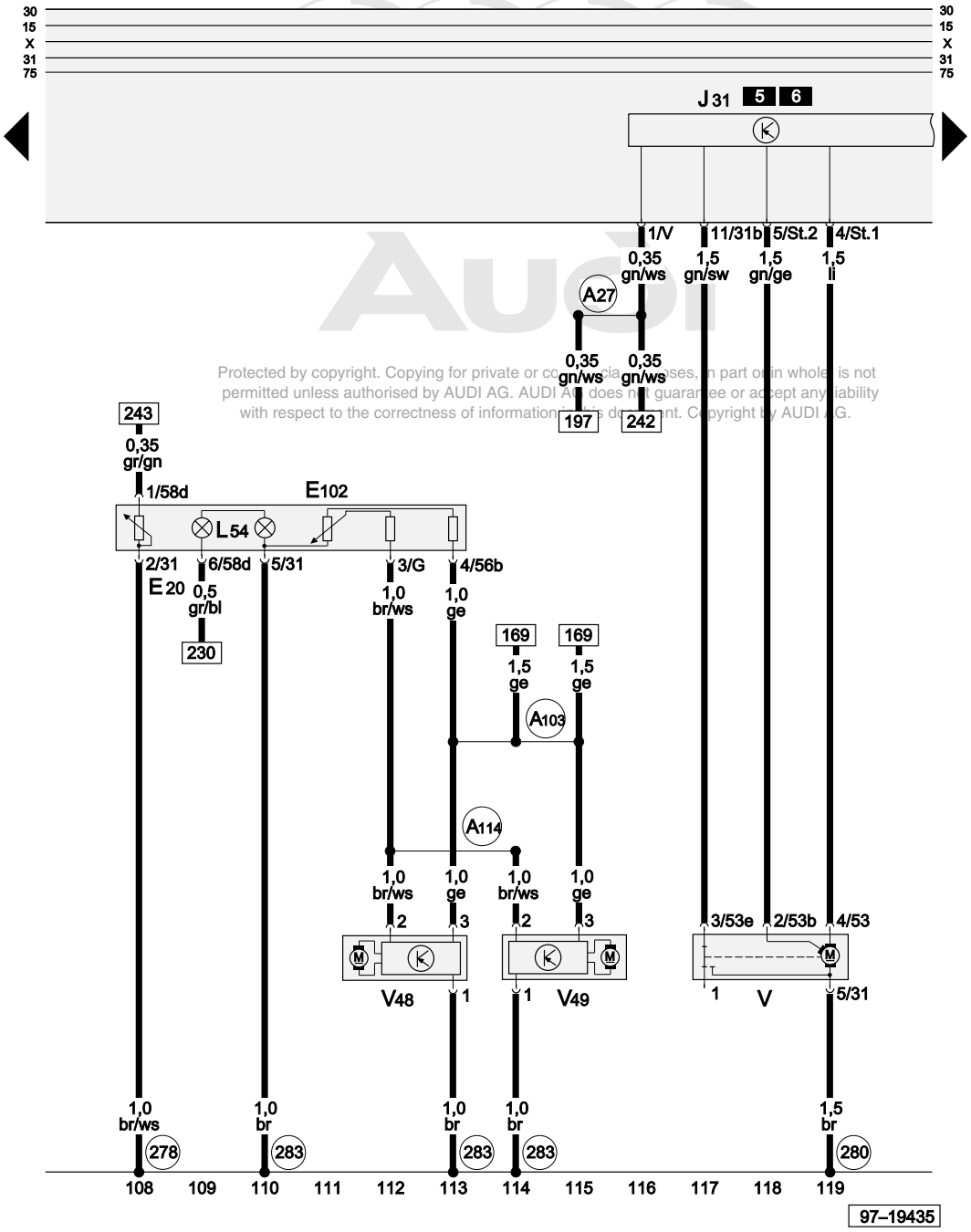


Lighting switch, steering column switch - left

E1	Lighting switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
E19	Parking light switch
L9	Lighting switch light bulb
L40	Front and rear fog light switch bulb
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
B139	Connection (PLL), in interior wiring harness
B140	Connection (PLR), in interior wiring harness

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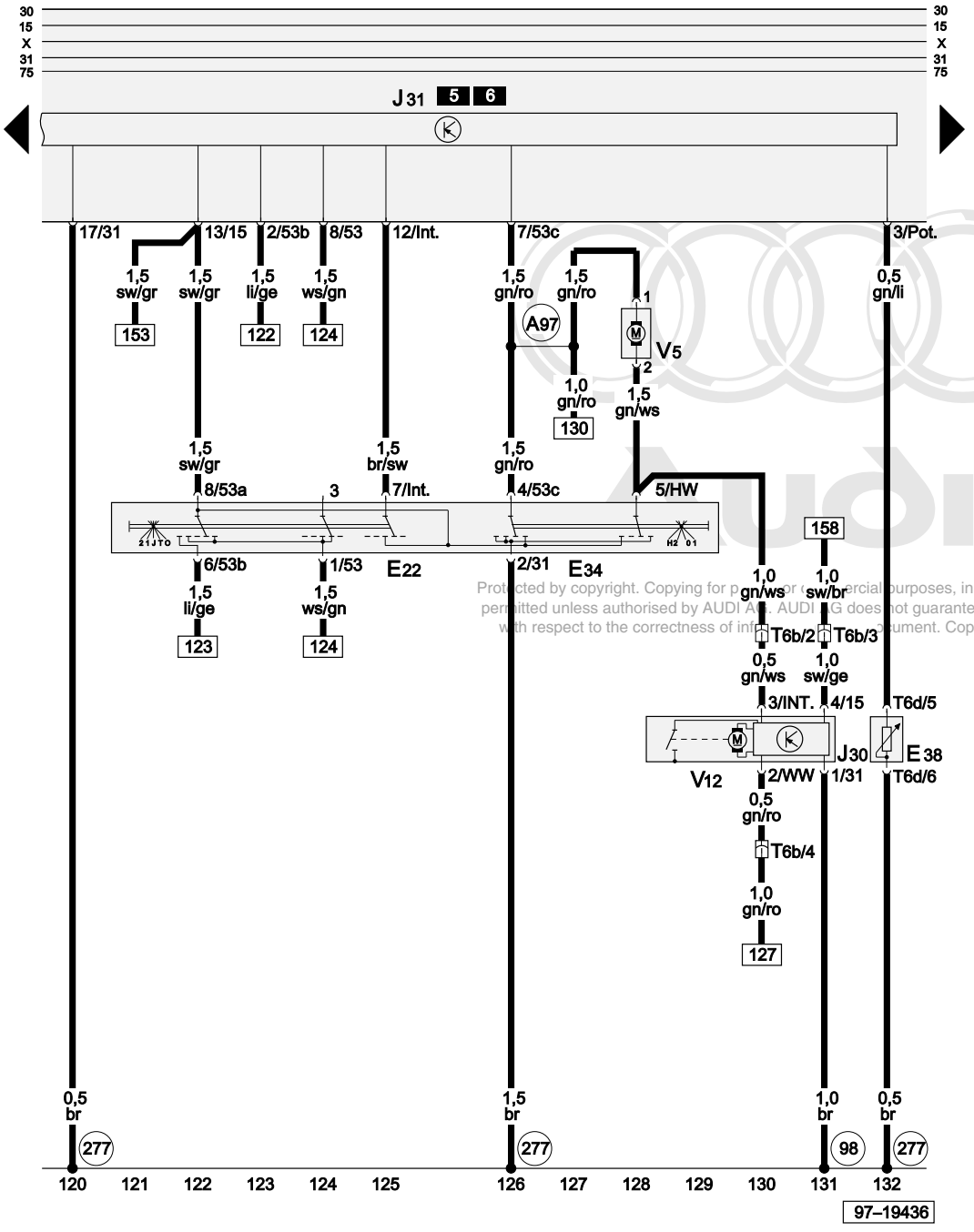


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Switches and instruments - lighting control, headlight range control, windscreen washer/wiper system

E20	Switches and instruments, lighting control
E102	Headlight range control adjuster
J31	Automatic intermittent wash/wipe relay
L54	Headlight range control adjuster light bulb
V	Windscreen wiper motor
V48	Headlight range control motor, left
V49	Headlight range control motor, right
278	Earth connection -4-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
283	Earth connection -2-, in engine prewiring 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

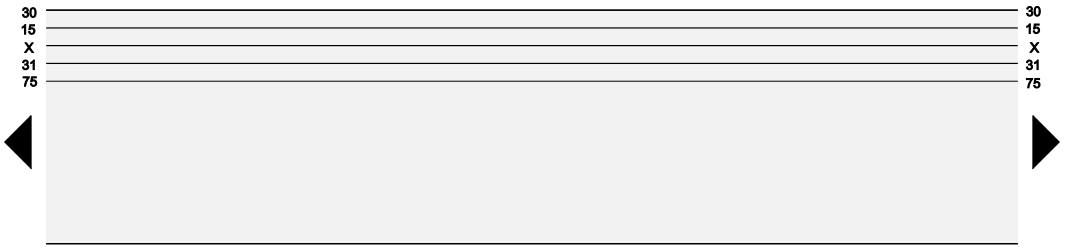


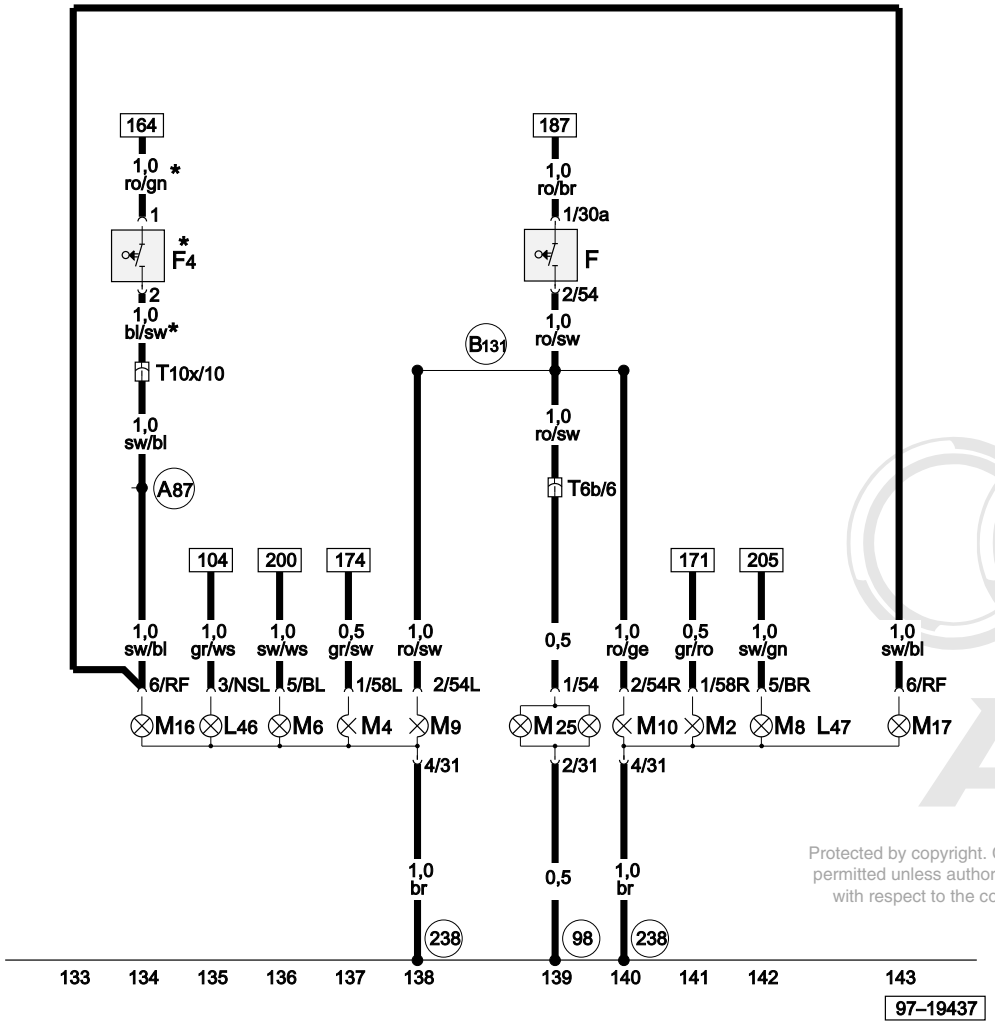
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Right steering column switch, windscreen washer/wiper system, rear window wiper

E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper control
J30	Rear window wiper/washer relay
J31	Automatic intermittent wash/wipe relay
T6b	6-pin connector, blue, in luggage compartment, left
T6d	6-pin connector, brown, behind steering column switch trim
V5	Windscreen washer pump
V12	Rear window wiper motor
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection -3-, in interior wiring harness
A97	Connection (53), in dash panel wiring harness



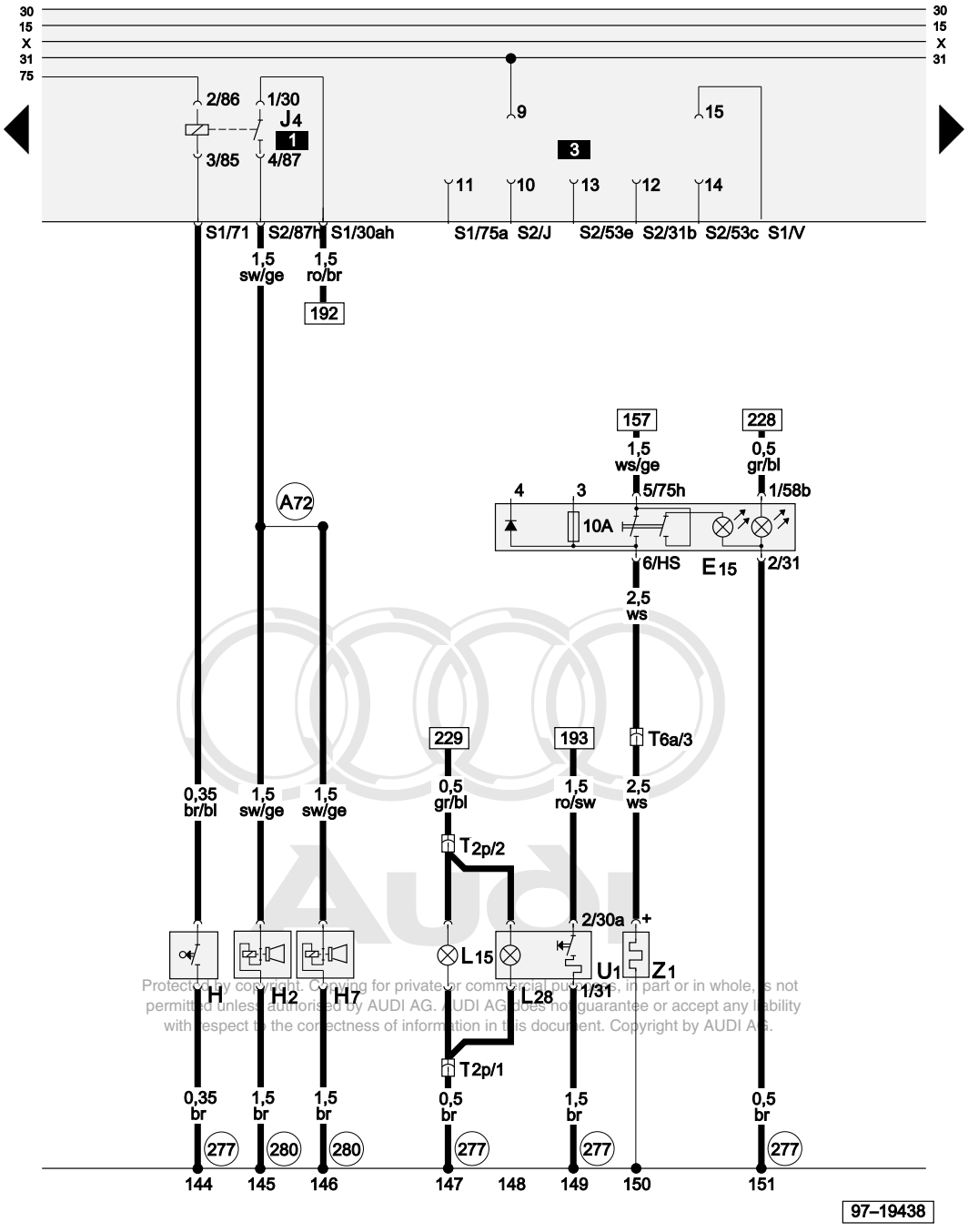


Tail lights, brake lights, reversing lights, rear fog light

F	Brake light switch
F4	Reversing light switch
L46	Rear fog light bulb, left
L47	Rear fog light bulb, right
M2	Tail light bulb, right
M4	Tail light bulb, left
M6	Turn signal bulb, rear left
M8	Turn signal bulb, rear right
M9	Brake light bulb, left
M10	Brake light bulb, right
M16	Reversing light bulb, left
M17	Reversing light bulb, right
M25	High level brake light bulb
T6b	6-pin connector, blue, in luggage compartment, left
T10x	10-pin connector, orange, in plenum chamber
98	Earth connection, in tailgate/boot lid wiring harness
238	Earth connection -1-, in interior wiring harness
A87	Connection (RL), in dash panel wiring harness
B131	Positive (+) connection (54), in interior wiring harness
*	Only models with manual gearbox

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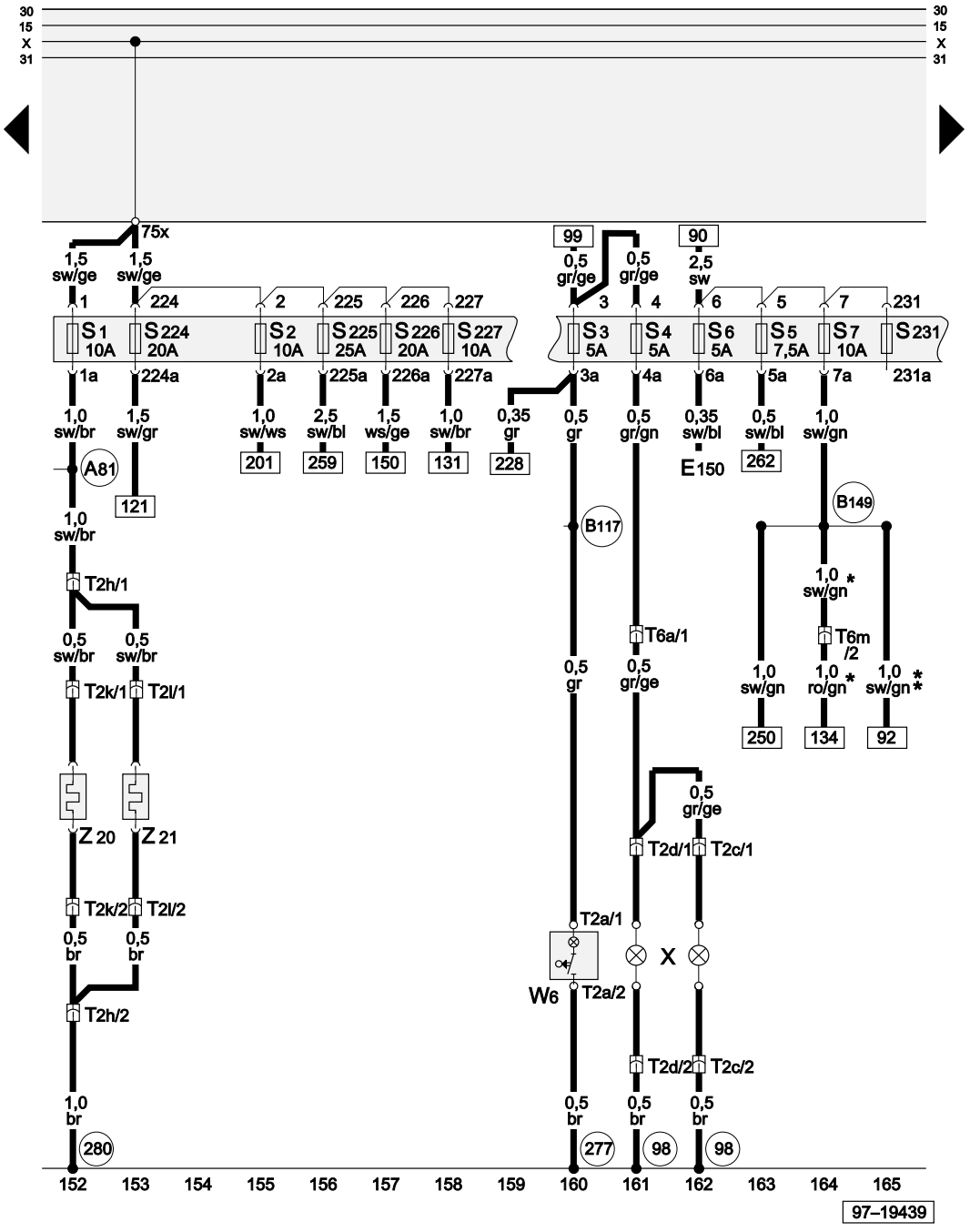


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Horn, heated rear window, cigarette lighter, illuminated ashtray

E15	Heated rear window switch
H	Horn plate
H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
L15	Ashtray light bulb
L28	Cigarette lighter light bulb
T2p	2-pin connector, behind console
T6a	6-pin connector, black, in luggage compartment, left
U1	Cigarette lighter
Z1	Heated rear window
277	Earth connection -3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A72	Connection (71), in dash panel wiring harness

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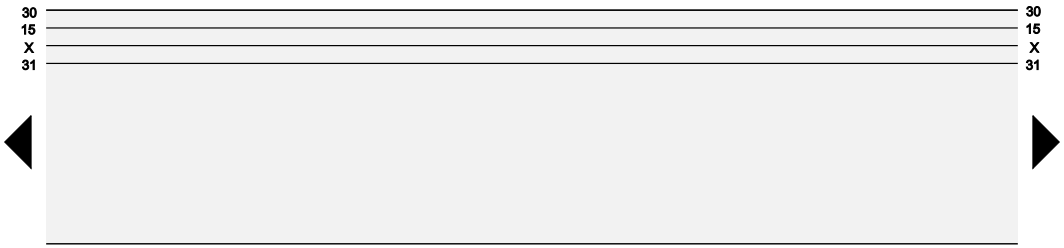


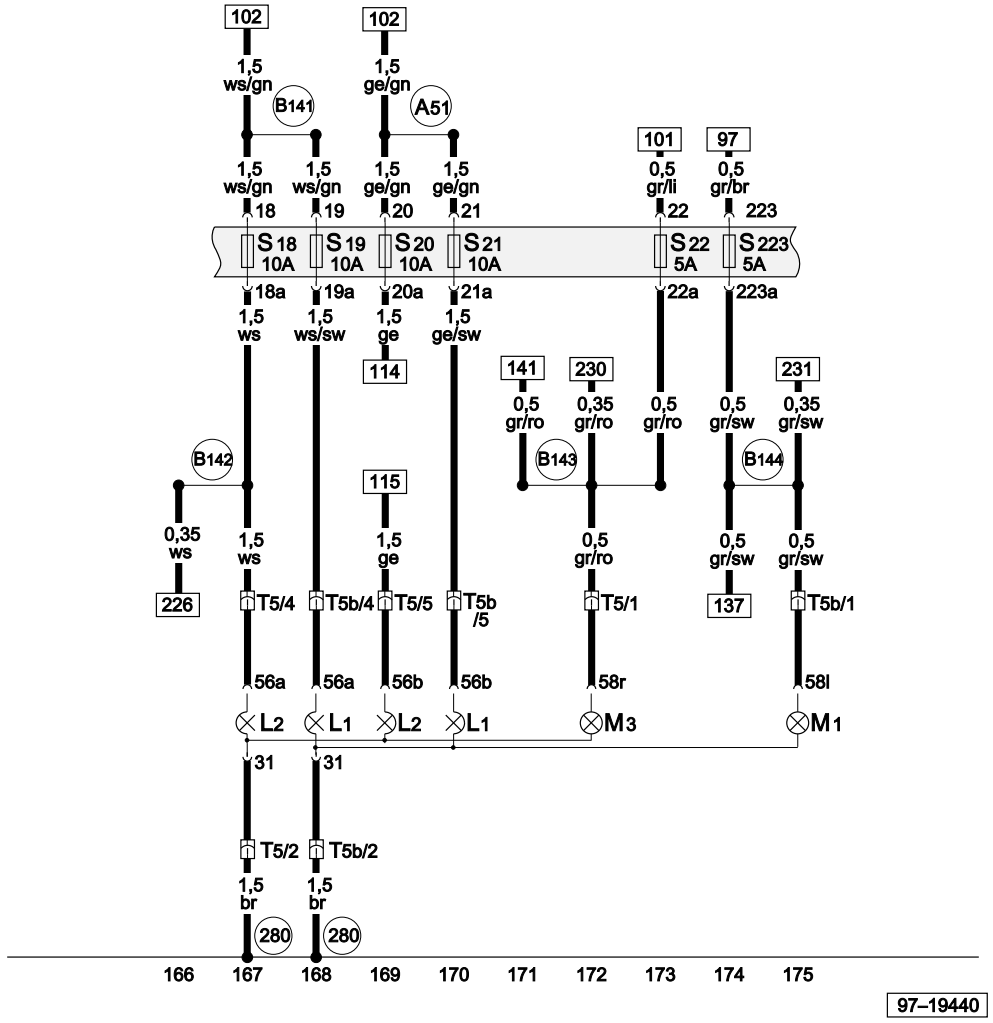
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Fuse box, number plate light, glove box light, heated washer jets

E150	Interior locking switch
T2a	2-pin connector, black, behind side of dash panel, right
T2c	2-pin connector, black, in tailgate/boot lid, right
T2d	2-pin connector, black, in tailgate/boot lid, left
T2h	2-pin connector, on plenum chamber, right
T2k	2-pin connector, black, on bonnet
T2l	2-pin connector, black, on bonnet
T6a	6-pin connector, black, in luggage compartment, left
T6m	6-pin connector, brown, in plenum chamber
W6	Glove box light
X	Number plate light
Z20	Heater element, left washer jet
Z21	Heater element, right washer jet
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection -3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A81	Connection -2- (X), in dash panel wiring harness
B117	Connection (58a, right), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

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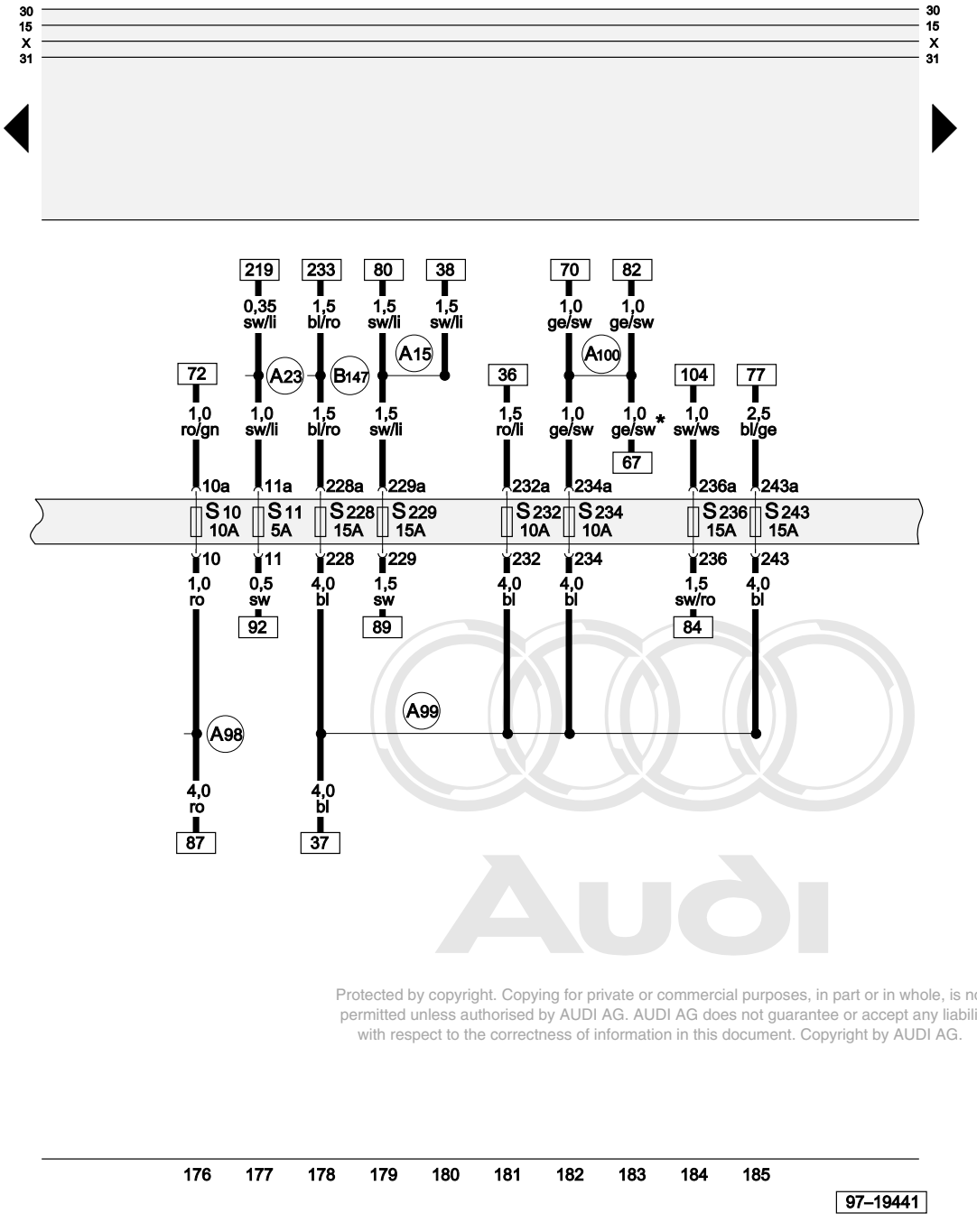


Fuse box, headlights

L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M1	Side light bulb, left
M3	Side light bulb, right
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
280	Earth connection -2-, in engine compartment wiring harness
A51	Connection (56), in dash panel wiring harness
B141	Positive (+) connection -2- (56a), in interior 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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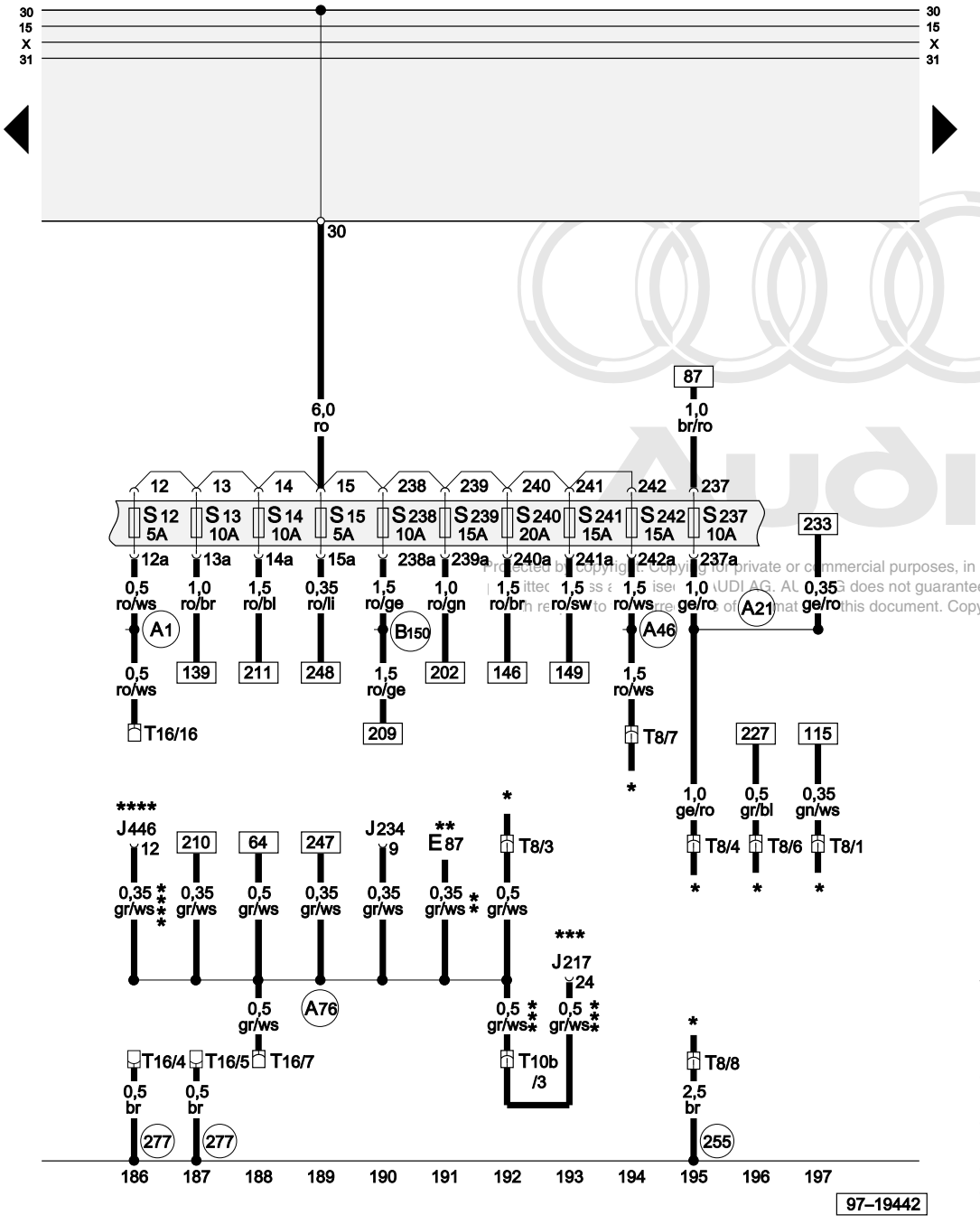


Fuse box

A15	Positive (+) connection (15), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness
*	Only models with manual gearbox

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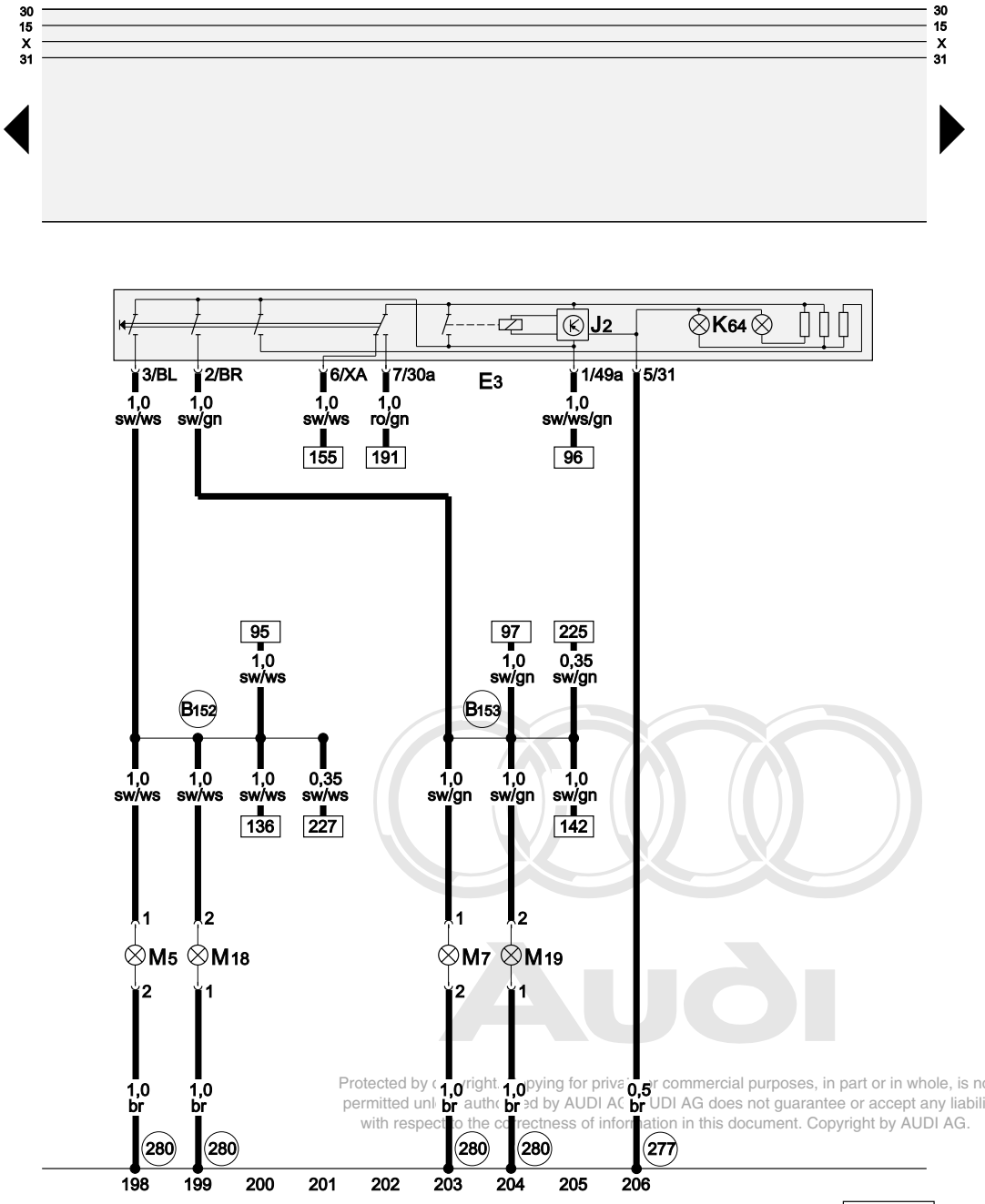


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Fuse box, diagnostic connector, provision for radio

E87	Control and display unit for air conditioner
J217	Automatic gearbox control unit
J234	Airbag control unit
J446	Parking aid control unit
T8	8-pin connector, near radio
T10b	10-pin connector, grey, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnosis 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
A21	Positive (+) connection (86s), in dash panel wiring harness
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
*	See applicable radio Current flow diagram
**	Only models with air conditioner
***	Only models with automatic gearbox
****	Only models with parking aid

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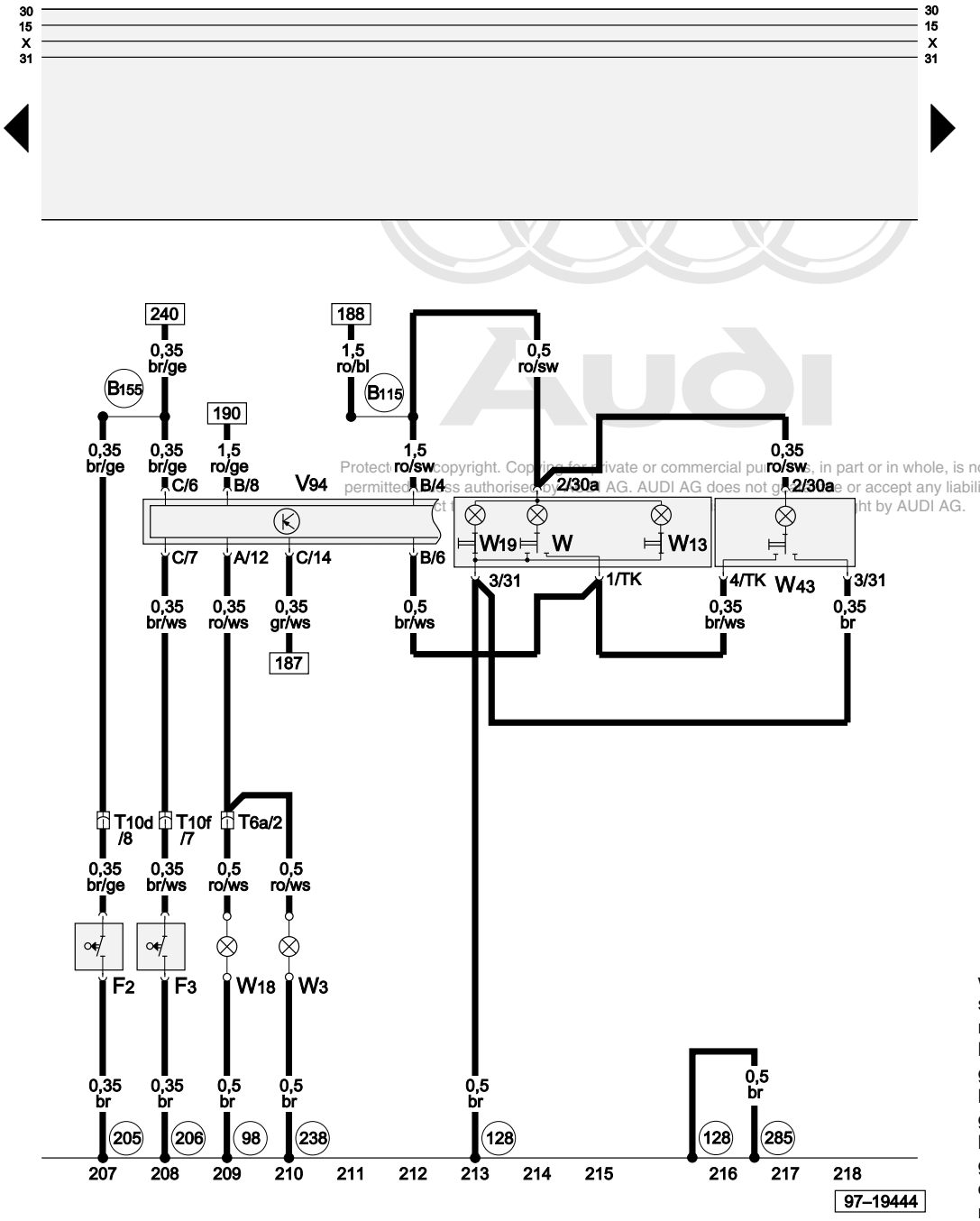


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Turn signals and hazard warning lights

E3	Hazard warning light switch
J2	Hazard warning light relay
K64	Hazard warning light system warning lamp
M5	Turn signal bulb, front left
M7	Turn signal bulb, front right
M18	Side turn signal bulb, left
M19	Side turn signal bulb, right
277	Earth connection -3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (TSR), in interior wiring harness

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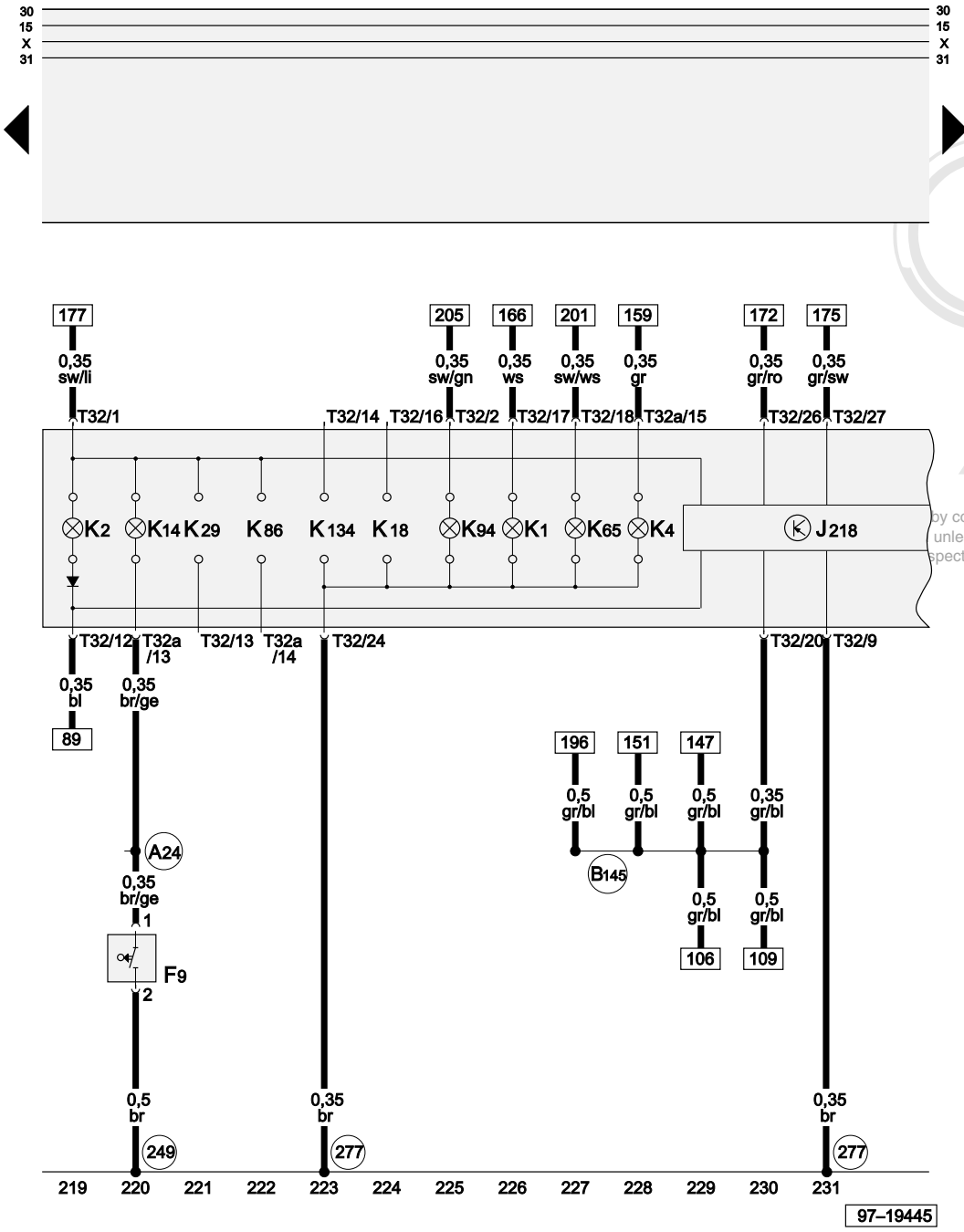


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Interior lights, luggage compartment lights, door contact switch

F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
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
W	Interior light, front
W3	Luggage compartment light, right
W13	Reading light, front passenger's side
W18	Luggage compartment light, left
W19	Reading light, driver's side
W43	Rear interior light
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
285	Earth connection -7-, in interior wiring harness
B115	Positive (+) connection (30a), in interior wiring harness
B155	Positive (+) connection -2- (DC), in interior wiring harness

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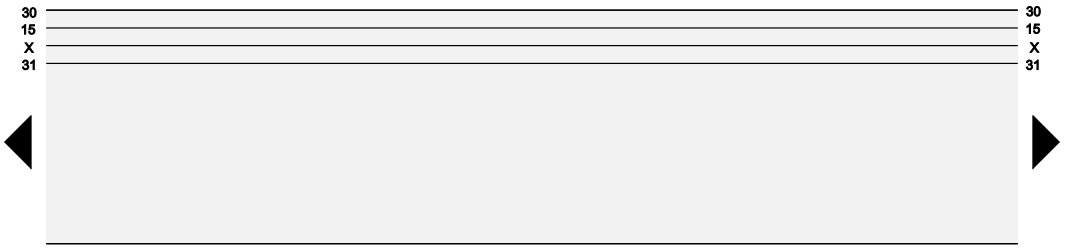


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rs = pink

Dash panel insert, combi-processor in dash panel insert, handbrake warning

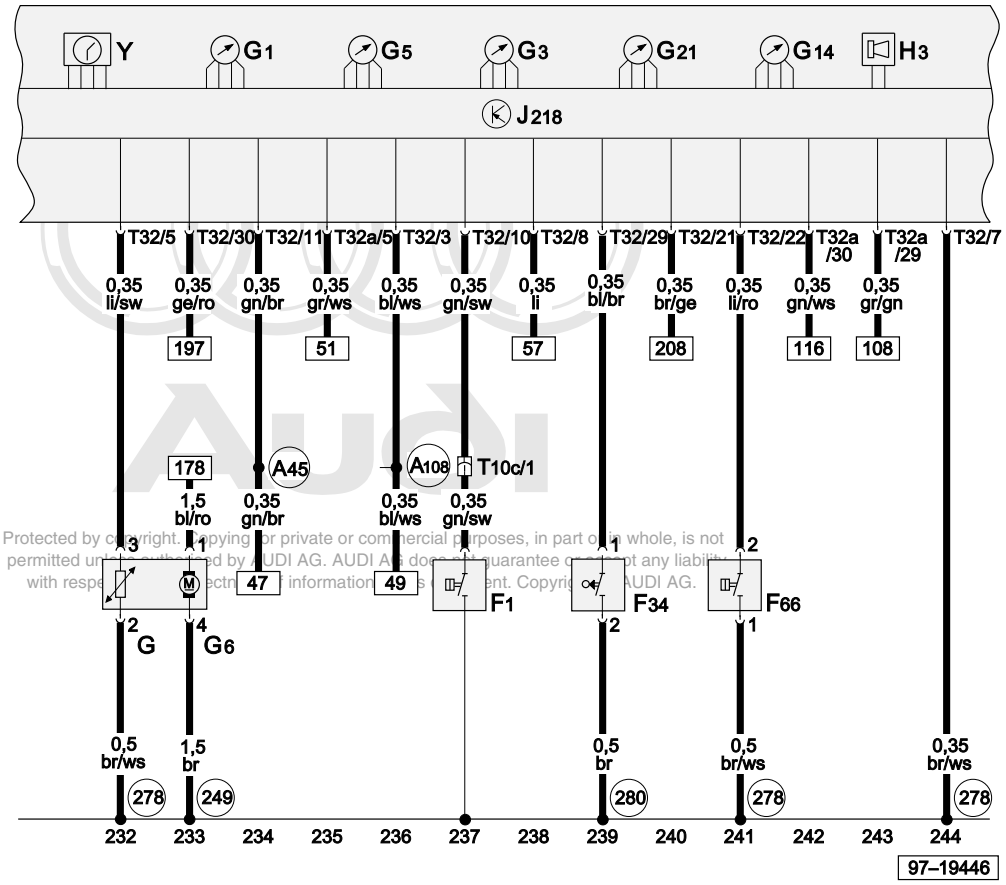
F9	Handbrake warning switch
J218	Combi-processor in dash panel insert
K1	Main beam warning lamp
K2	Alternator warning lamp
K4	Side light warning lamp
K14	Handbrake warning lamp
K18	Trailer operation warning lamp
K29	Glow period warning lamp
K65	Left turn signal warning lamp
K86	Traction control system warning lamp
K94	Right turn signal warning lamp
K134	Self-levelling suspension 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
277	Earth connection -3-, in interior wiring harness
A24	Connection (brake system monitoring), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness

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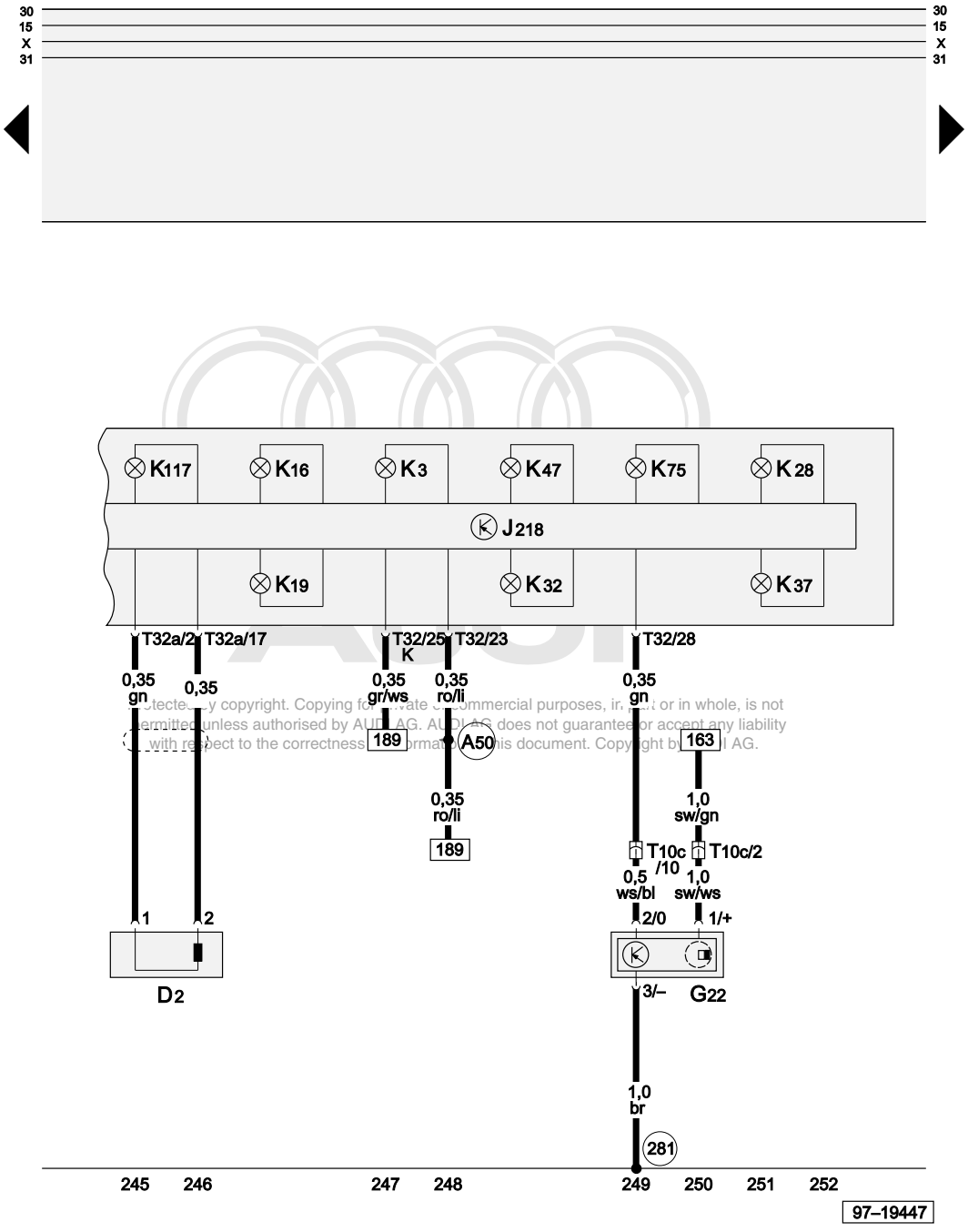
Dash panel insert, combi-processor in dash panel insert, rev. counter, speedometer, fuel gauge, fuel pump, coolant shortage indicator, oil pressure switch, analogue clock

F1	Oil pressure switch
F34	Brake fluid level warning contact
F66	Coolant shortage indicator switch
G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G5	Rev. counter
G6	Fuel pump
G14	Voltmeter
G21	Speedometer
H3	Buzzer/gong
J218	Combi-processor in dash panel insert
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
Y	Analogue clock
249	Earth connection -2-, in interior wiring harness
278	Earth connection -4-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), 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
rs = pink

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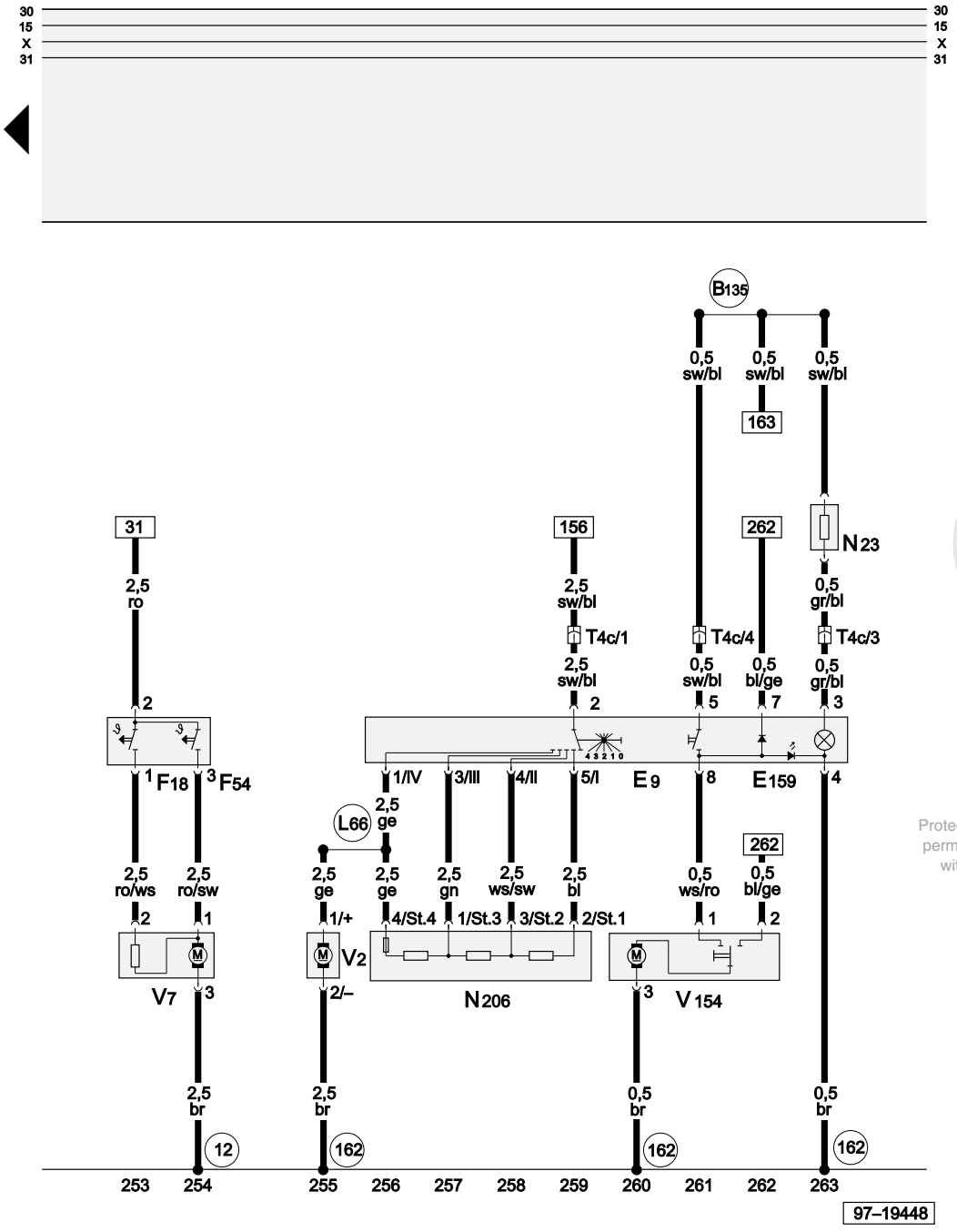


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Dash panel insert, combi-processor in dash panel insert, immobilizer reading coil, vehicle speed sender

D2	Immobilizer reading coil
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K3	Oil pressure warning lamp
K16	Reserve fuel warning lamp
K19	Seat belt warning system warning lamp
K28	Coolant temperature warning lamp
K32	Brake pad/lining warning lamp
K37	Windscreen washer fluid level warning lamp
K47	ABS warning lamp
K75	Airbag warning lamp
K117	Immobilizer warning lamp
T10c	10-pin connector, black, wiring duct, in engine compartment, left
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
A50	Positive (+) connection (30as), 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
rs	=	pink



Radiator fan, fresh air blower

E9	Fresh air blower switch
E159	Fresh air/air recirculating flap switch
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
N23	Fresh air blower series resistor
N206	Warm air blower series resistor with overheating fuse
T4c	4-pin connector, behind console
V2	Fresh air blower
V7	Radiator fan
V154	Fresh/recirculating air flap control motor
12	Earth point, in engine compartment, left
162	Earth connection, in blower motor wiring harness
B135	Connection (15a), in interior wiring harness
L66	Connection, in heater blower wiring harness

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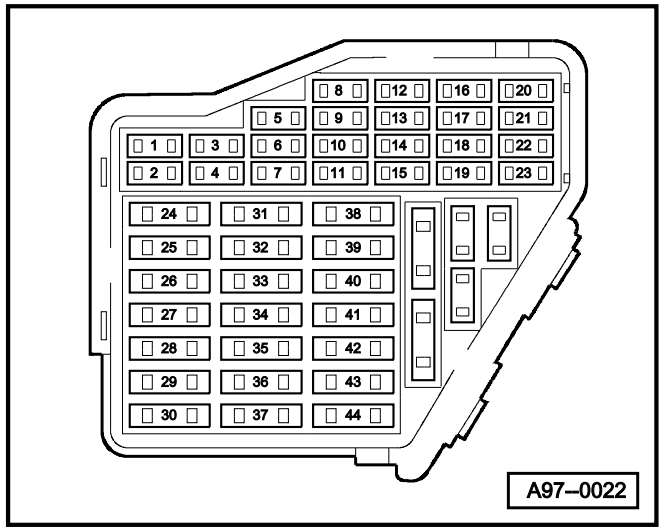
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Audi A3 (1,6 l litre fuel injection engine, 74 kW, Simos, 4-cylinder) engine codes AEH/AKL

From model year 1998

Audi A3 (1,6 l litre fuel injection engine, 74 kW, Simos, 4-cylinder) engine codes AKL, From model year 1998

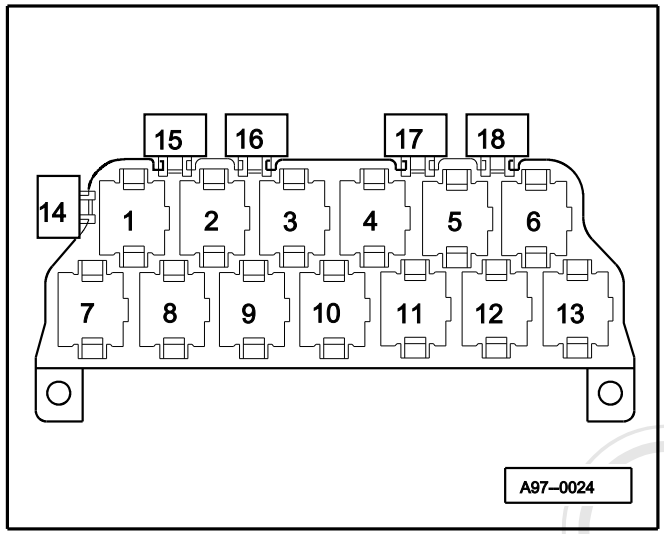
Fuse box:



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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.

13-point relay carrier:



Position of relays:

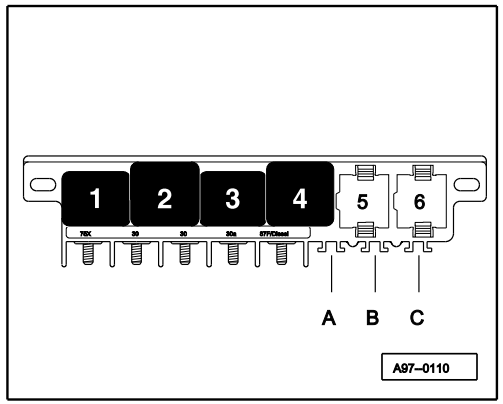
11 - Starter inhibitor and reversing light relay

Fuse colours

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

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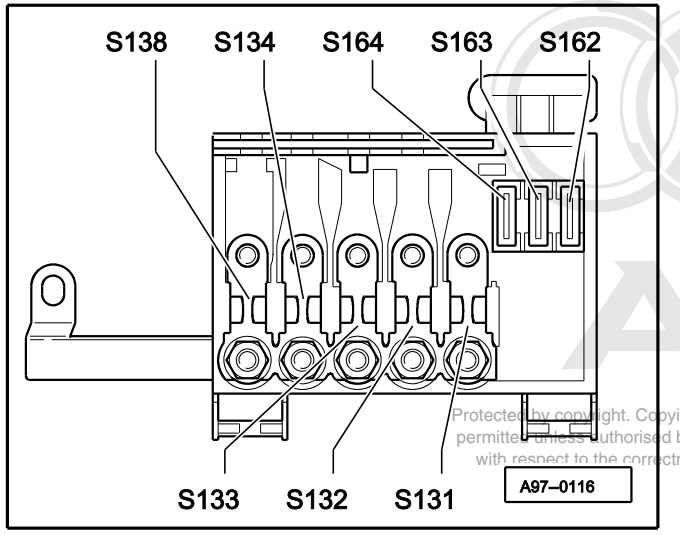
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

Main fuse box/battery:



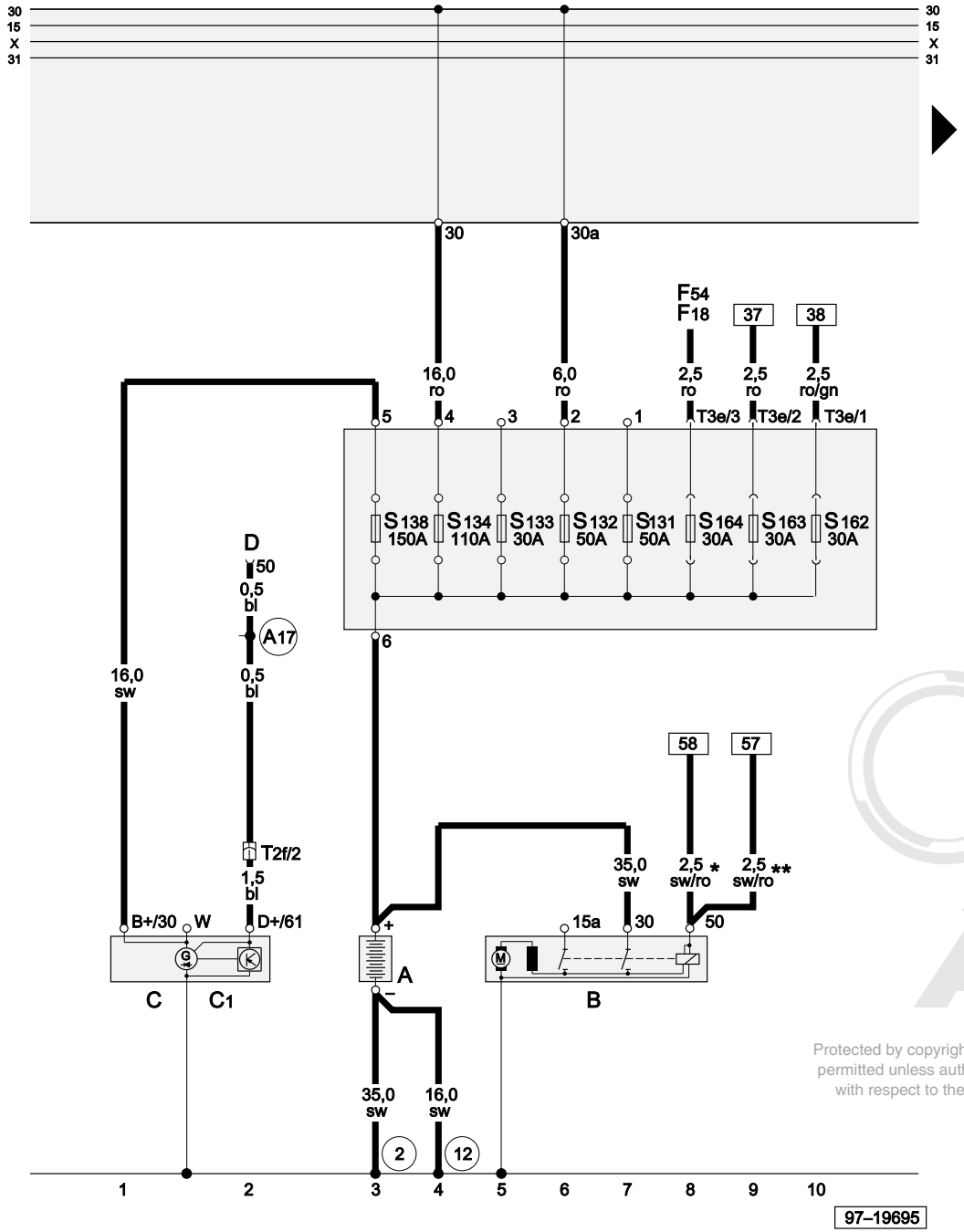
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Position of fuses:

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4

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

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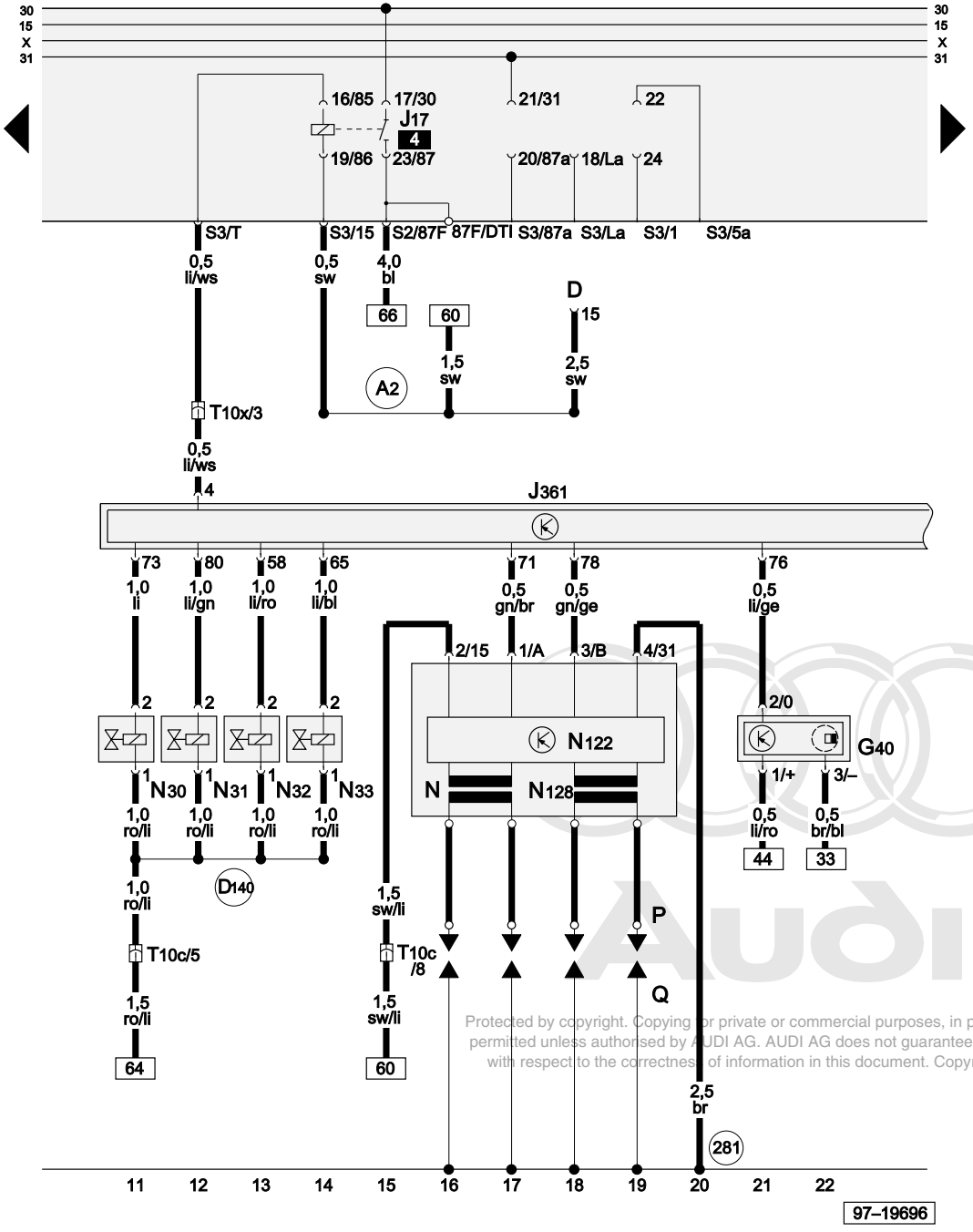


Battery, starter, alternator, main fuse box/battery

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
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
T2f	2-pin connector, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
(2)	Earth strap, gearbox - body
(12)	Earth point, in engine compartment, left
(A17)	Positive (+) connection (61), in dash panel wiring harness
*	Only models with automatic gearbox
**	Only models with manual 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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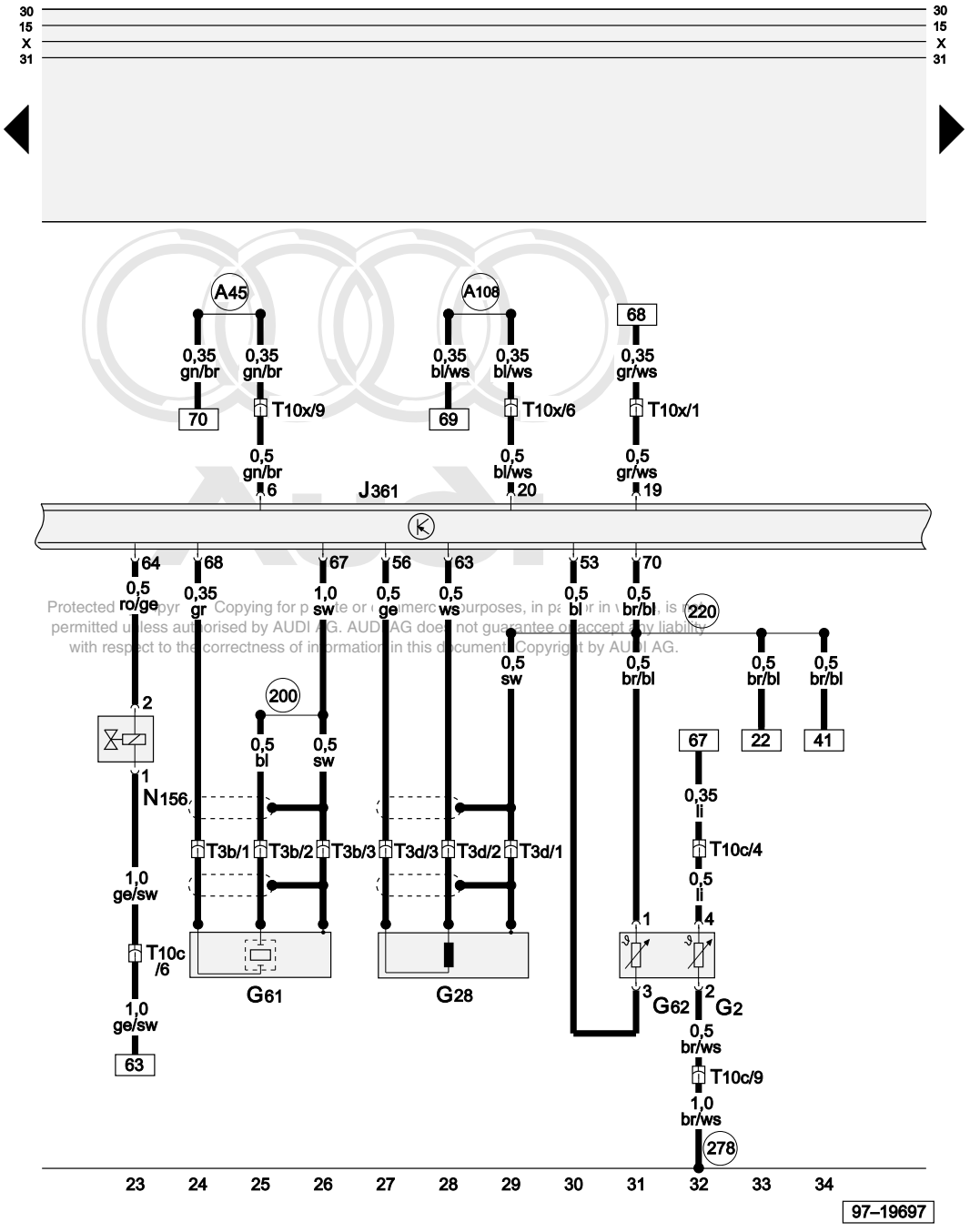


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Simos control unit, fuel pump relay, injectors, ignition system, Hall sender

D	Ignition/starter switch
G40	Hall sender
J17	Fuel pump relay
J361	Simos control unit
N	Ignition coil 1
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
281	Earth connection -1-, in engine prewiring wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
D140	Connection (injectors), in engine prewiring wiring harness

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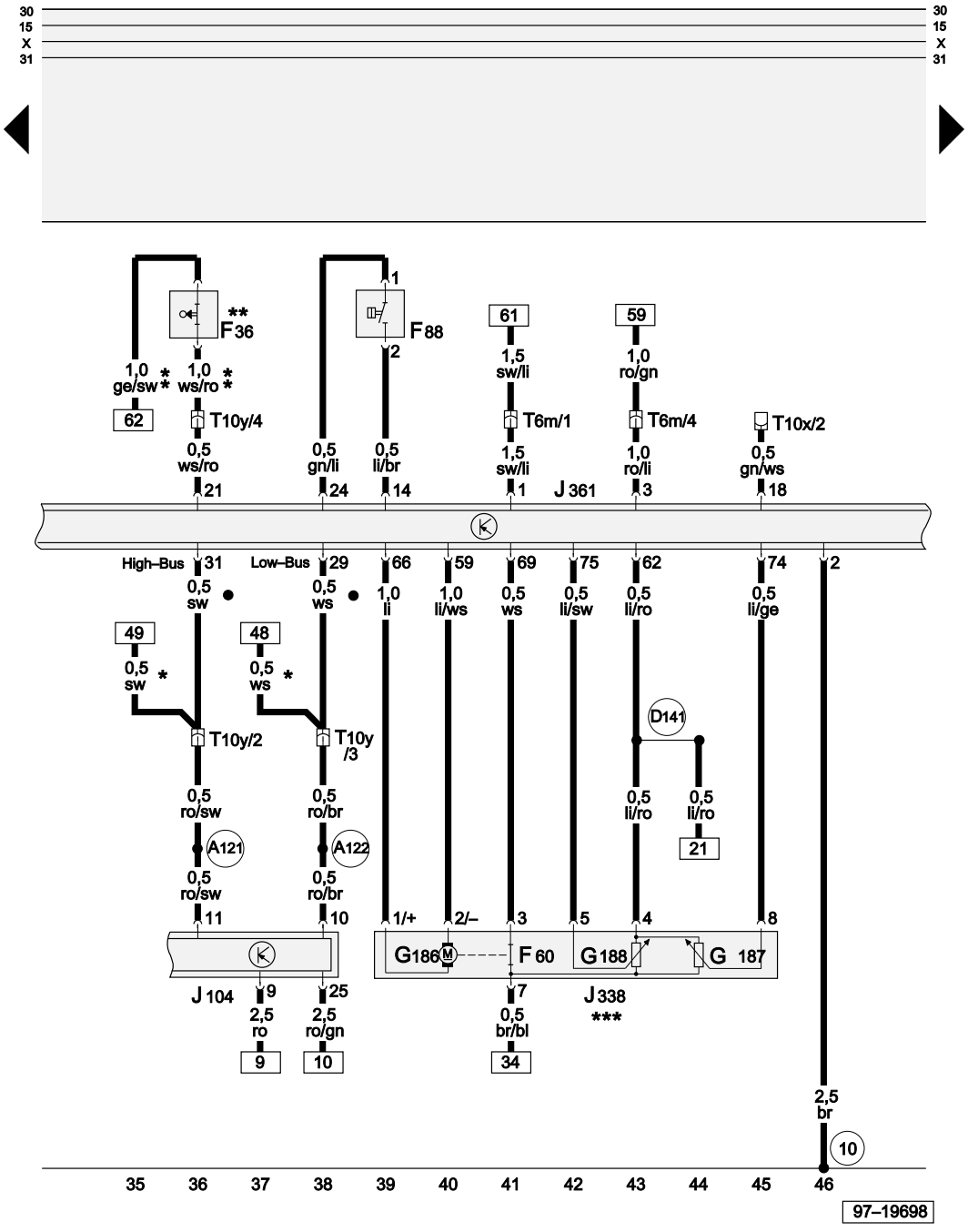


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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Simos control unit, knock sensor, engine speed sender, coolant temperature senders, intake manifold change-over valve

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
J361	Simos control unit
N156	Intake manifold change-over valve
T3b	3-pin connector, blue, in engine compartment
T3d	3-pin connector, white, in engine compartment
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
200	Earth connection (screening), in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
278	Earth connection -4-, in interior wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness

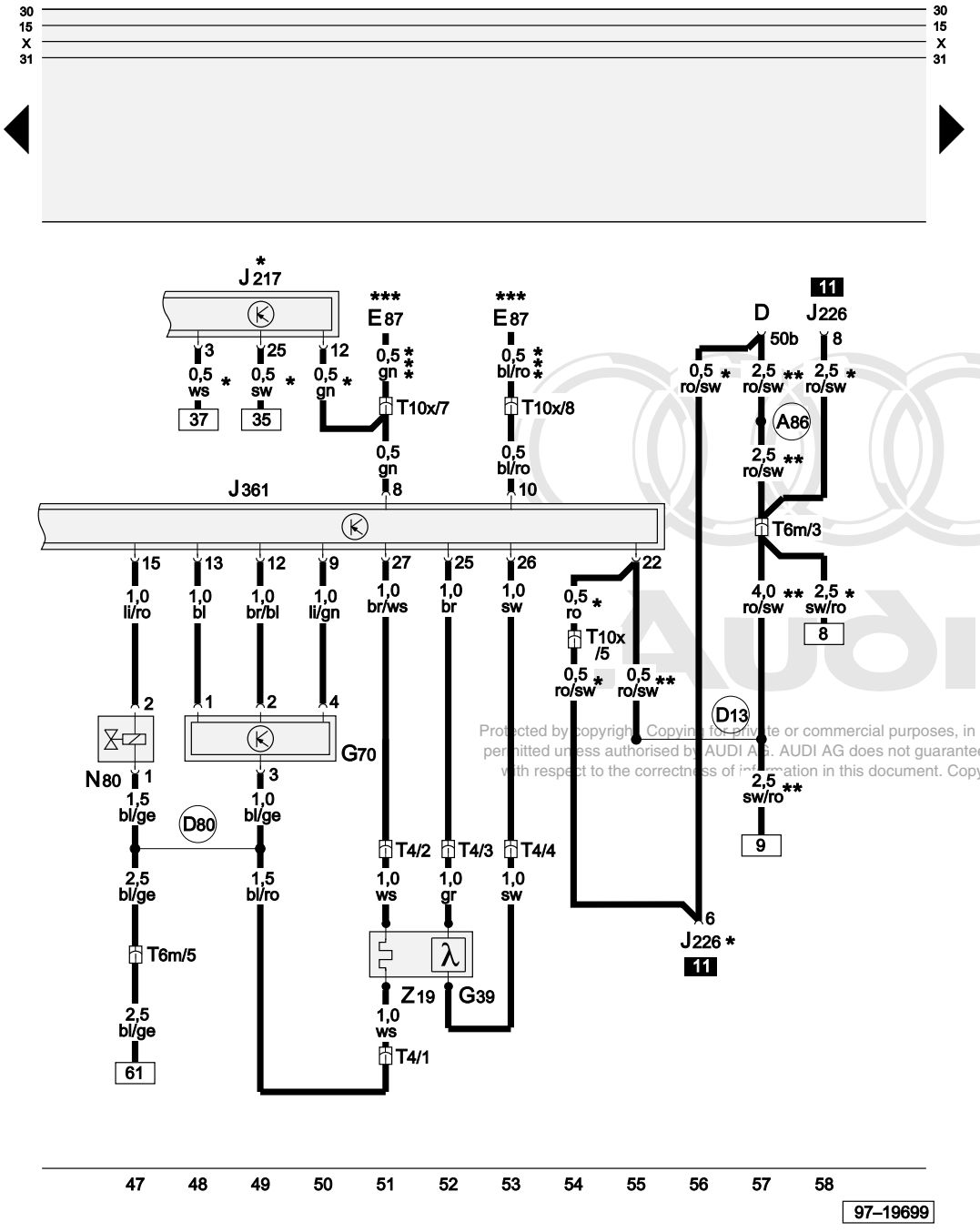


Simos control unit, throttle valve control unit, power steering pressure switch

F36	Clutch pedal switch
F60	Idling switch
F88	Power assisted steering pressure switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J338	Throttle valve control unit
J361	Simos control unit
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
10	Earth point, in plenum chamber
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox
***	Wiring of connections on models without cruise control system
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	Wiring of connections on models with cruise control system, see applicable Current Flow Diagram: Cruise control system
•	CAN bus (data wire)

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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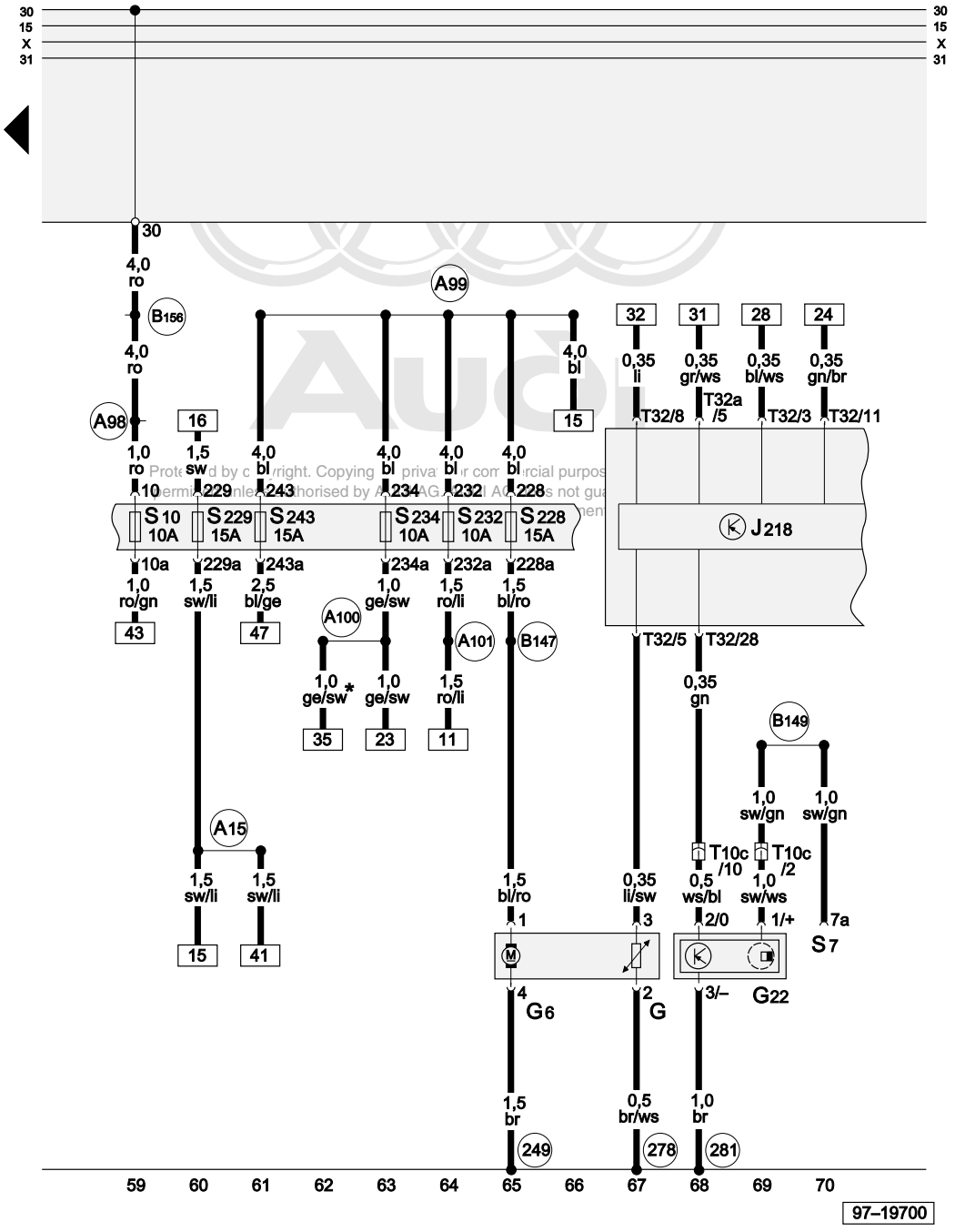


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Simos control unit, lambda probe, air mass meter, activated charcoal filter system solenoid valve

D	Ignition/starter switch
E87	Control and display unit for air conditioner
G39	Lambda probe
G70	Air mass meter
J217	Automatic gearbox control unit
J226	Starter inhibitor and reversing light relay
J361	Simos control unit
N80	Activated charcoal filter system solenoid valve 1
T4	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
A86	Connection (50a), in dash panel wiring harness
D13	Connection (50), in front right wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox
***	Only 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



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

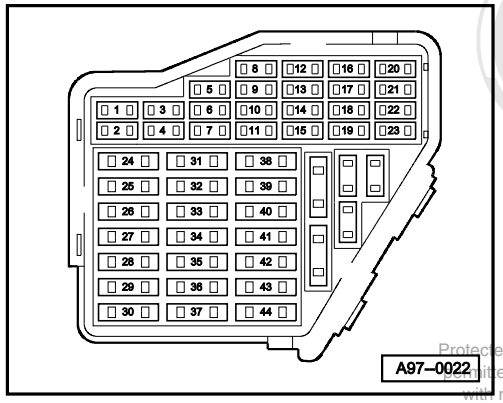
Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender

G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
S7	Fuse in fuse box
T10c	10-pin connector, black, wiring duct, in engine compartment, left
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
278	Earth connection -4-, in interior wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A100	Connection -2- (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
B156	Positive (+) connection -4- (30a), in interior wiring harness
*	Only models with manual gearbox

Audi A3 (1,8 l litre fuel injection engine, 110 kW, Motronic, 4-cylinder) engine codes AGU

From model year 1998

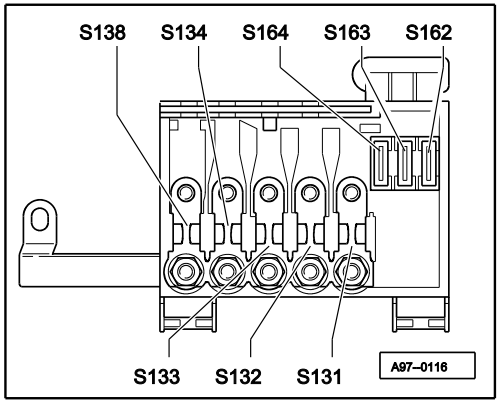
Fuse box:



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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.

Main fuse box/battery:



Position of fuses:

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5

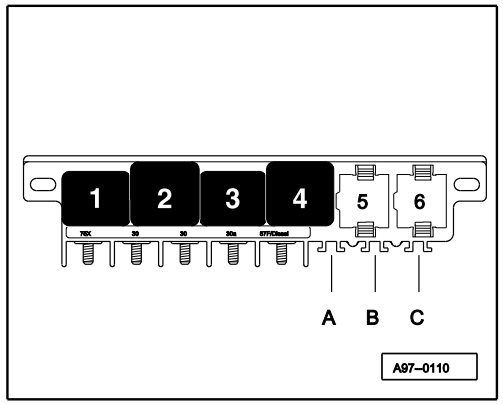
S162 - 1 in fuse box/battery
S163 - 2 in fuse box/battery
S164 - 3 in fuse box/battery
S133 - S132

S131

Fuse colours

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

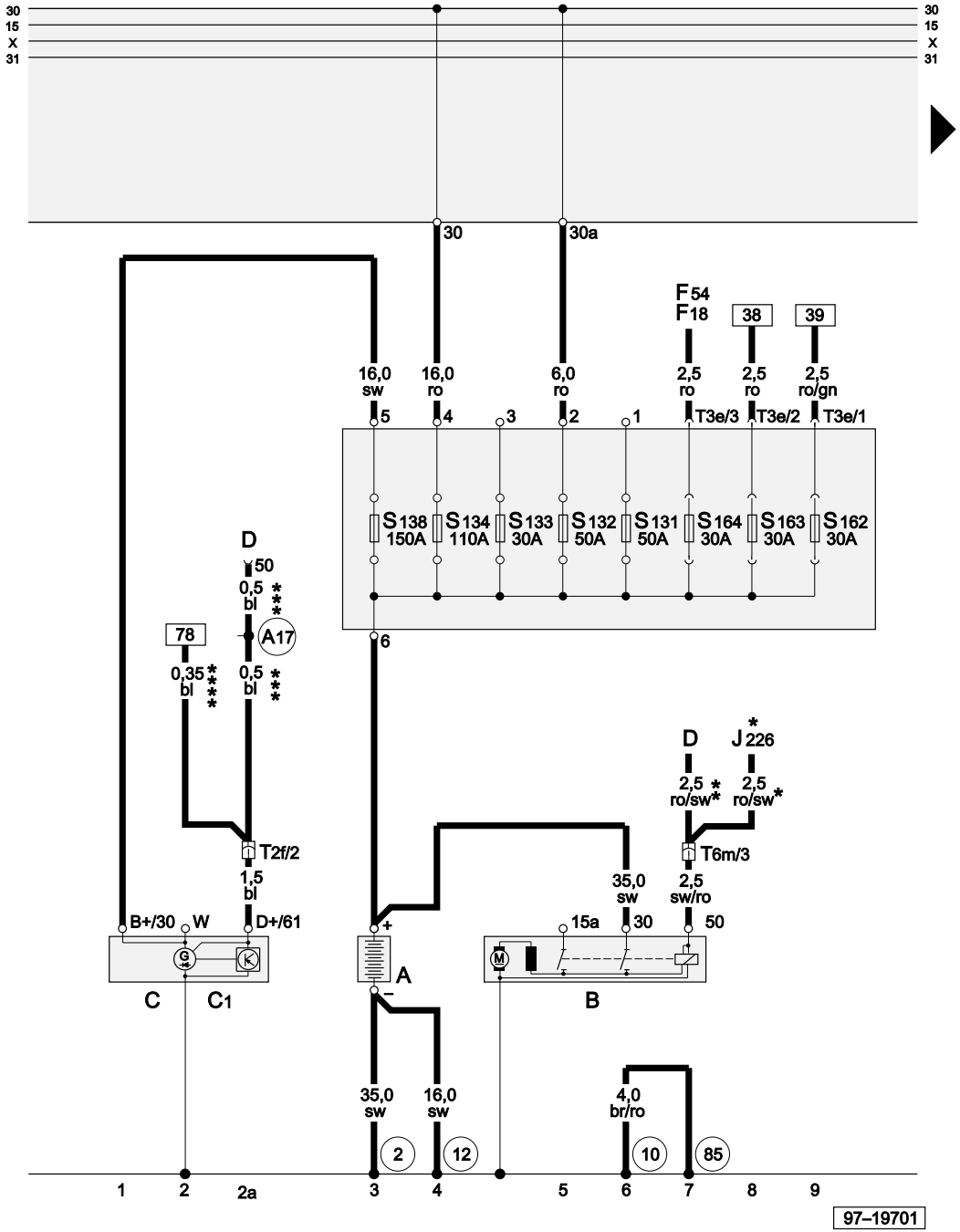
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

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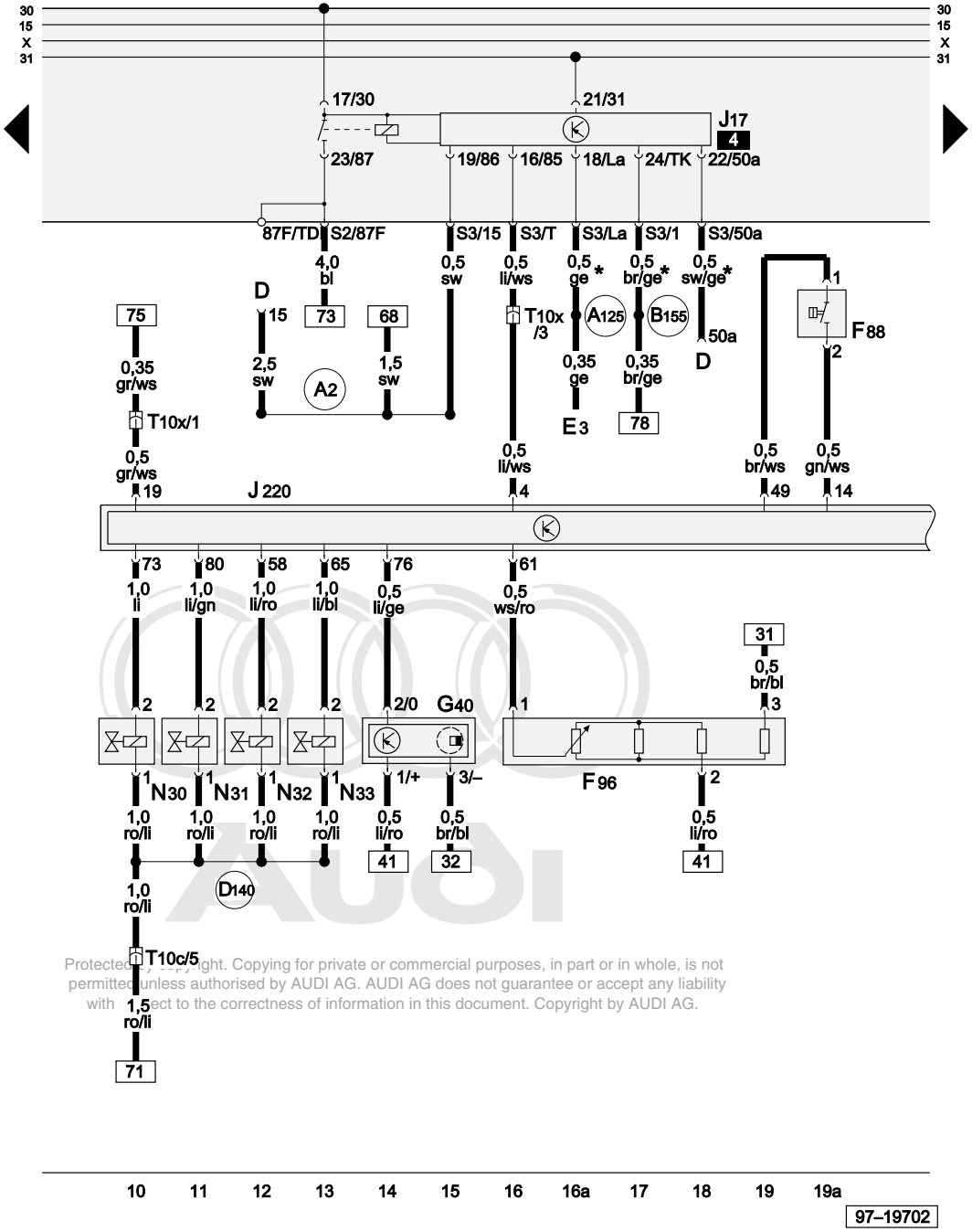
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J226	Starter inhibitor and reversing light relay
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
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
A17	Positive (+) connection (61), in dash panel wiring harness

* Only models with automatic gearbox
** Only models with manual gearbox
*** Applicable for 1998 model year only
**** Applicable from model year 1999

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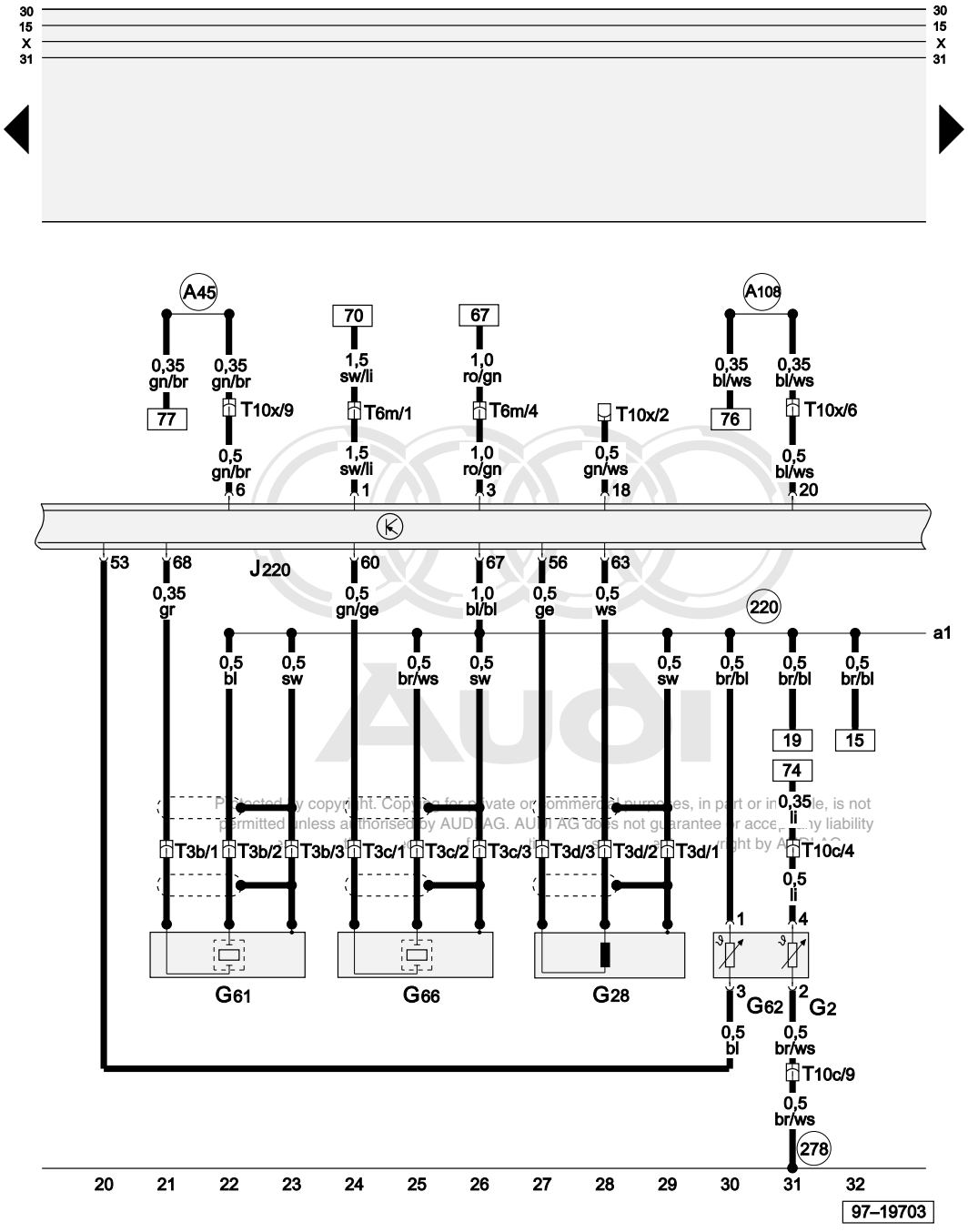


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Motronic control unit, fuel pump relay, injectors, Hall sender, altitude sender

D	Ignition/starter switch
E3	Hazard warning light switch
F88	Power assisted steering pressure switch
F96	Altitude sender
G40	Hall sender
J17	Fuel pump relay
J220	Motronic control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
A2	Positive (+) connection (15), 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
*	Applicable from model year 1999

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

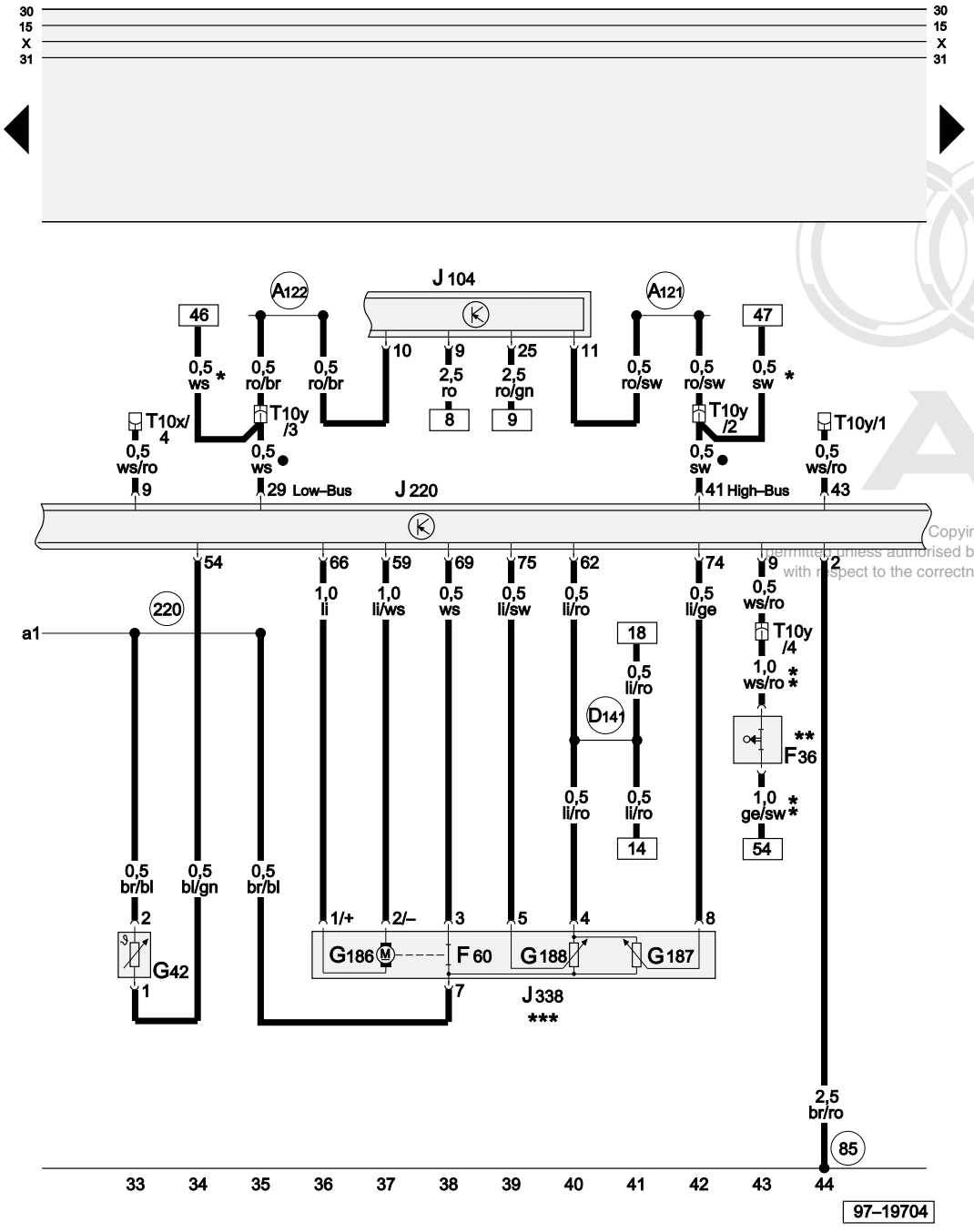


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

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

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J220	Motronic control unit
T3b	3-pin connector, black, in engine compartment
T3c	3-pin connector, brown, in engine compartment
T3d	3-pin connector, grey, in engine compartment
T6m	6-pin connector, brown, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
278	Earth connection -4-, in interior wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness

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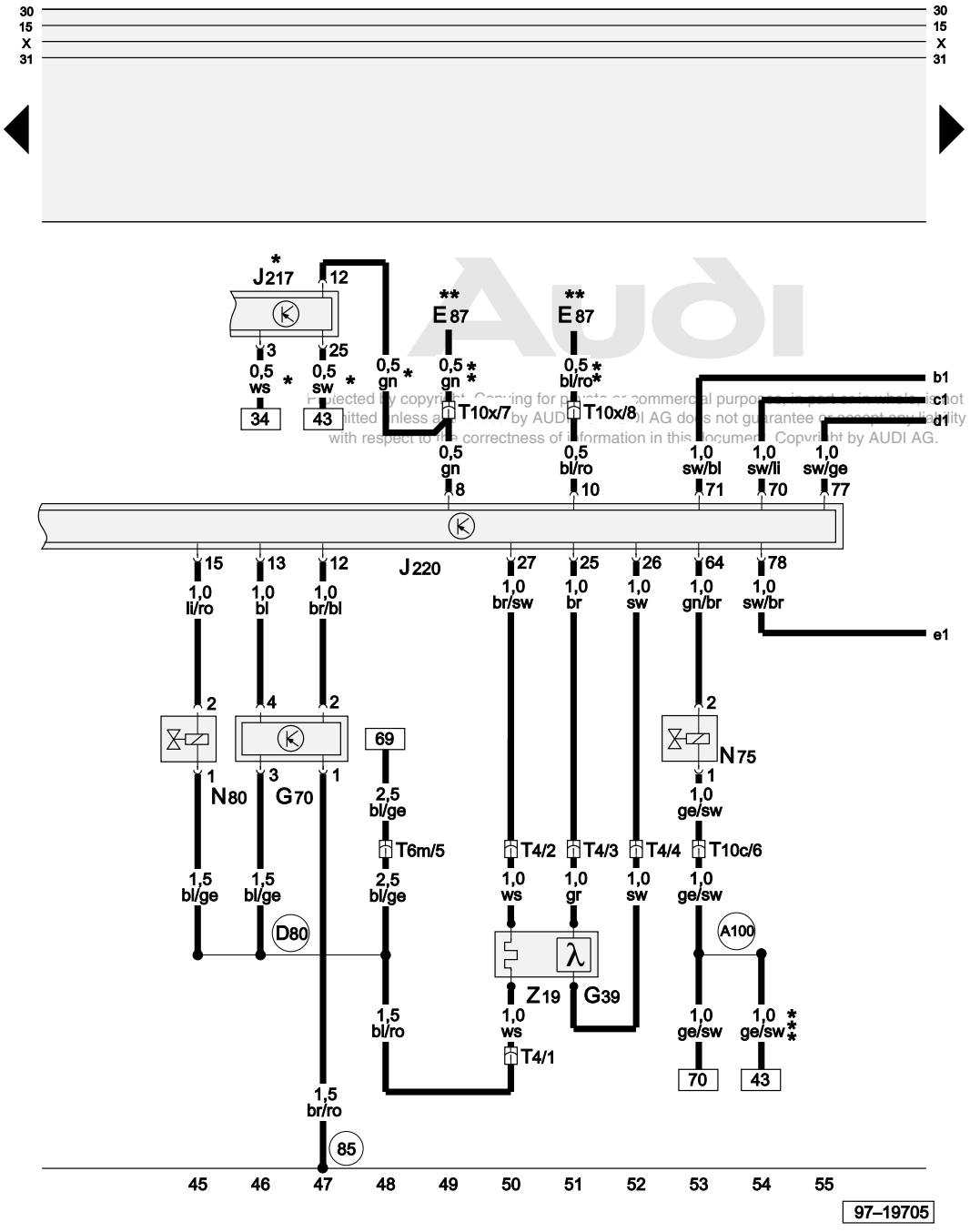


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Motronic control unit, throttle valve control unit, ambient temperature sensor

F36	Clutch pedal switch
F60	Idling switch
G42	Intake air temperature sender
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J220	Motronic control unit
J338	Throttle valve control unit
T10y	10-pin connector, green, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox
***	Wiring of connections on models without cruise control system Wiring of connections on models with cruise control system, see applicable Current Flow Diagram: Cruise control system
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	CAN bus (data wire)

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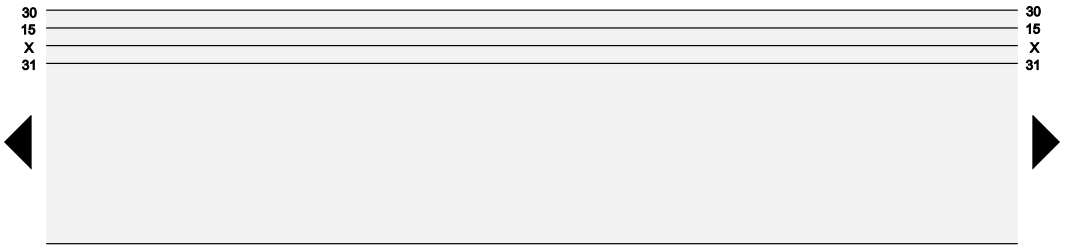


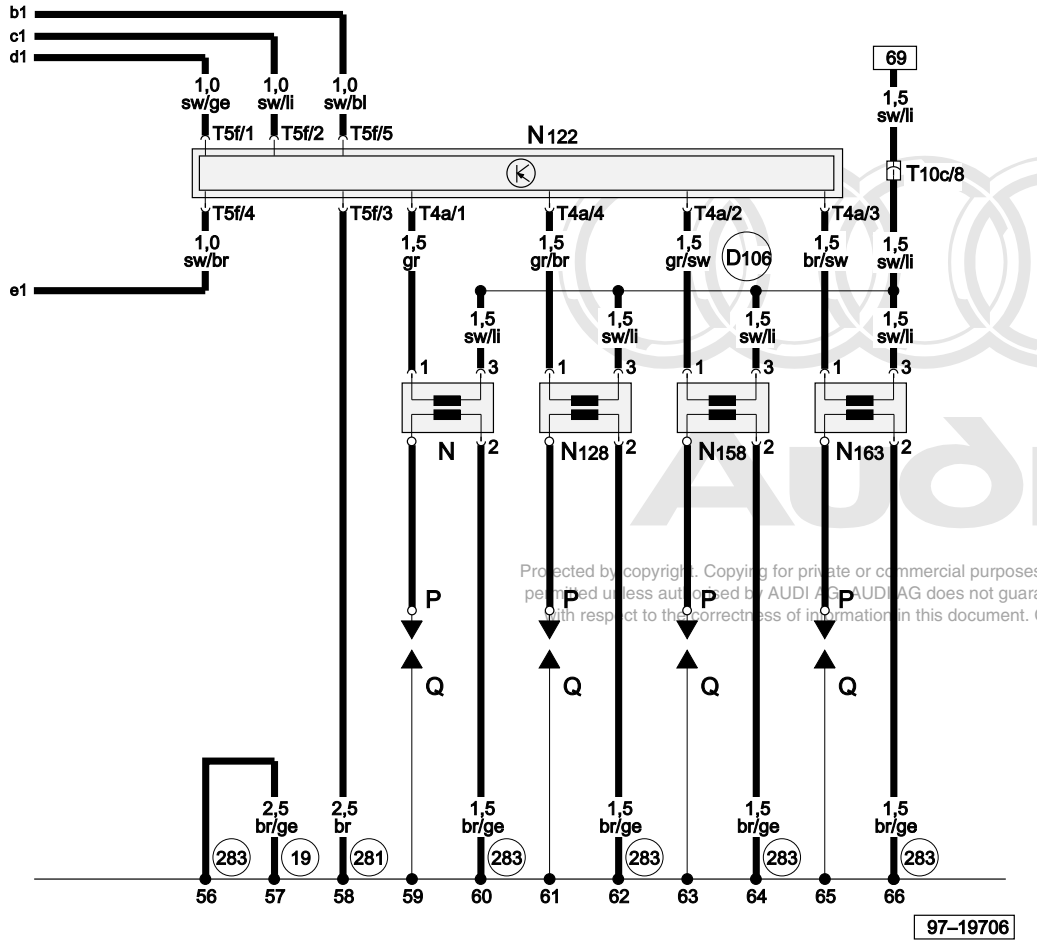
Audi
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ge = yellow
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Motronic control unit, lambda probe, air mass meter, charge pressure control solenoid valve, activated charcoal filter system solenoid valve

E87	Control and display unit for air conditioner
G39	Lambda probe
G70	Air mass meter
J217	Automatic gearbox control unit
J220	Motronic control unit
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
T4	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
85	Earth connection -1-, in engine compartment wiring harness
A100	Connection -2- (87), in dash panel wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Only models with automatic gearbox
**	Only models with air conditioner
***	Only models with manual gearbox



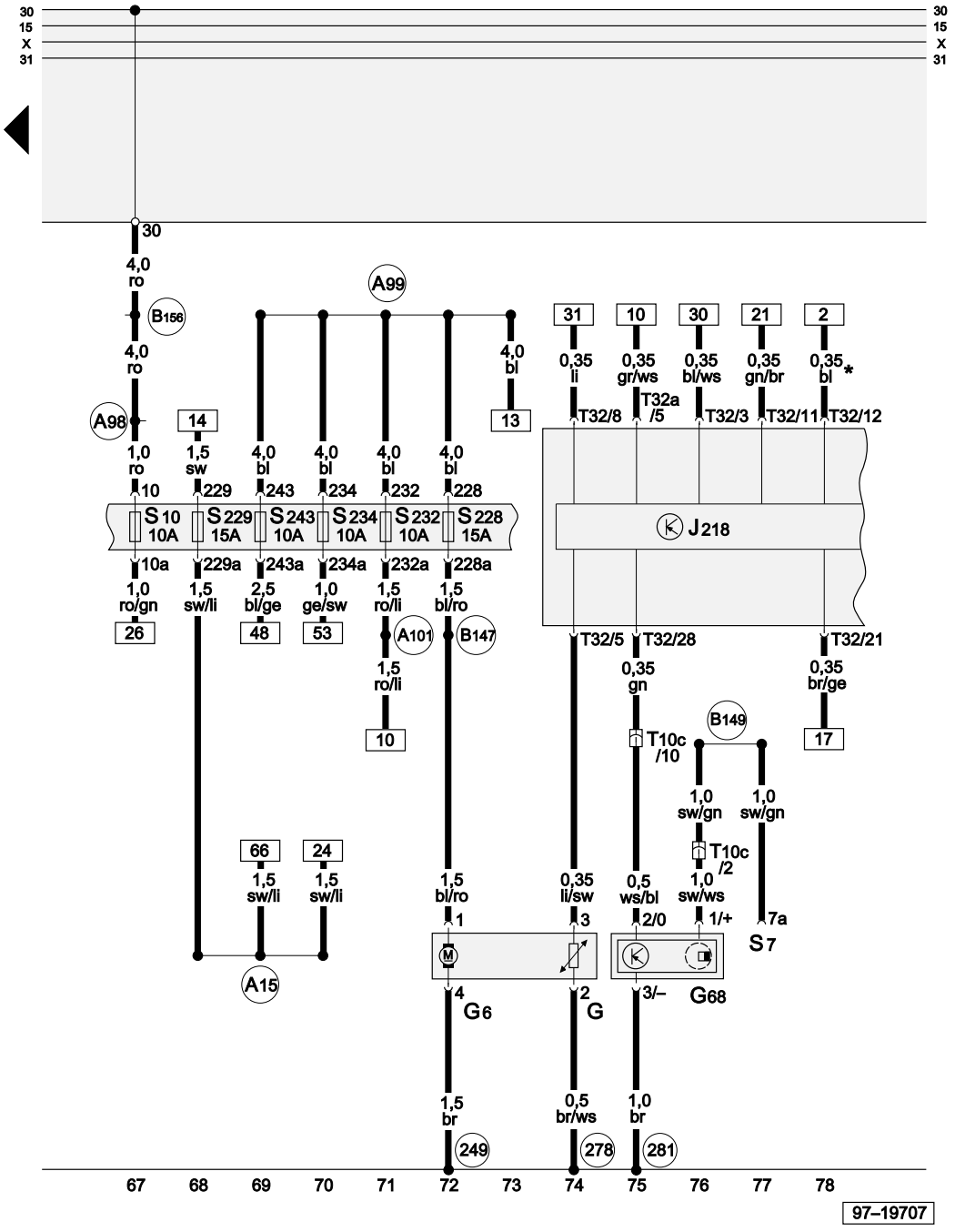


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Ignition system

N	Ignition coil 1
N122	Final output stage
N128	Ignition coil 2
N158	Ignition coil 3
N163	Ignition coil 4
P	Spark plug connector
Q	Spark plugs
T4a	4-pin connector, in engine compartment
T5f	5-pin connector, in engine compartment
T10c	10-pin connector, black, wiring duct, in engine compartment, left
19	Earth point, near coil
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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ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
S7	Fuse in fuse box
T10c	10-pin connector, black, wiring duct, in engine compartment, left
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
278	Earth connection -4-, in interior wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), 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
B156	Positive (+) connection -4- (30a), in interior wiring harness
*	Applicable from model year 1999

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Audi A3 (1.9 litre turbo- diesel engine, 66 kW, TDI, 4- cylinder), engine codes AGR/ALH

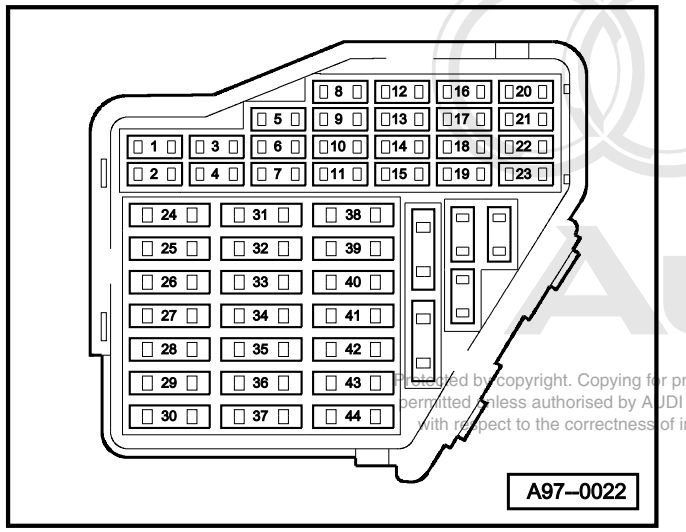
From model year 1998

Audi A3 (1.9 litre turbo- diesel engine, 81 kW, TDI, 4- cylinder), engine codes AHF

From model year 1998

Audi A3 (1.9 litre turbo- diesel engine, 66 kW, TDI, 4- cylinder), engine codes ALH, From model year 1998

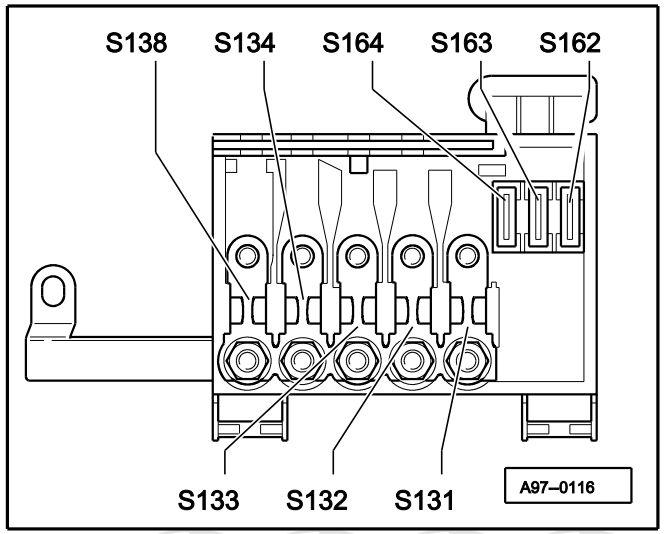
Fuse box:



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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.

Main fuse box/battery:



Position of fuses:

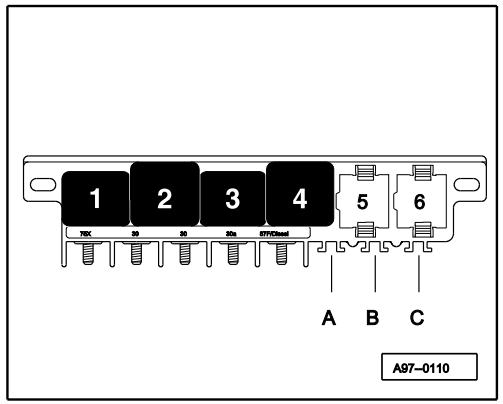
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - 1 in fuse box/battery
S163 - 2 in fuse box/battery
S164 - 3 in fuse box/battery
S133 - S132
S131

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Fuse colours

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

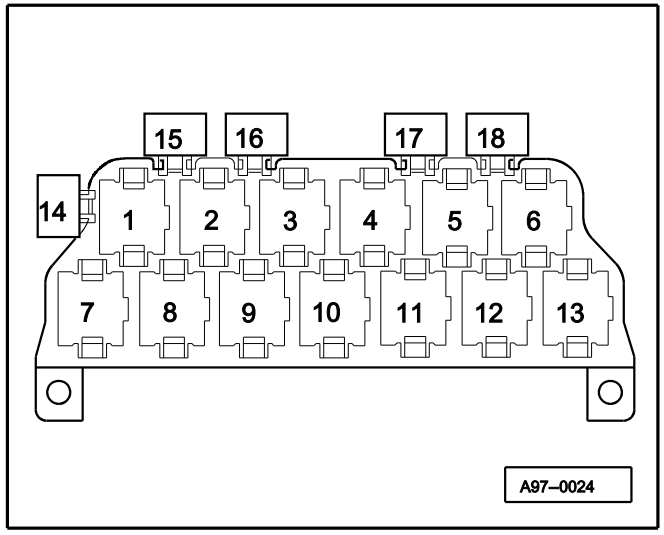
Micro-central electrics:



Position of relays:

4 - Relay for glow plugs

13-point relay carrier:

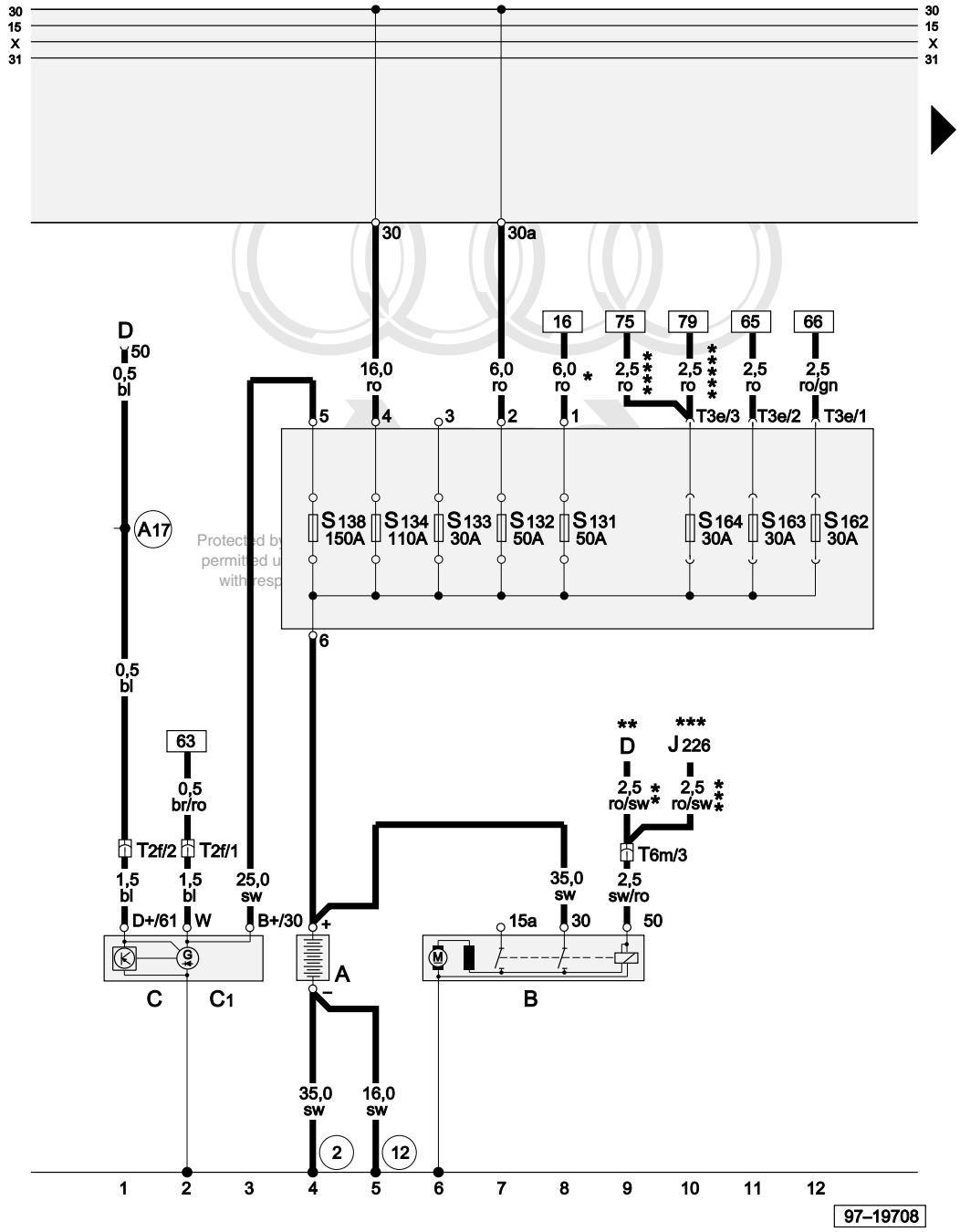


Position of relays:

12 - Diesel direct injection system relay

13 - Radiator fan run-on relay

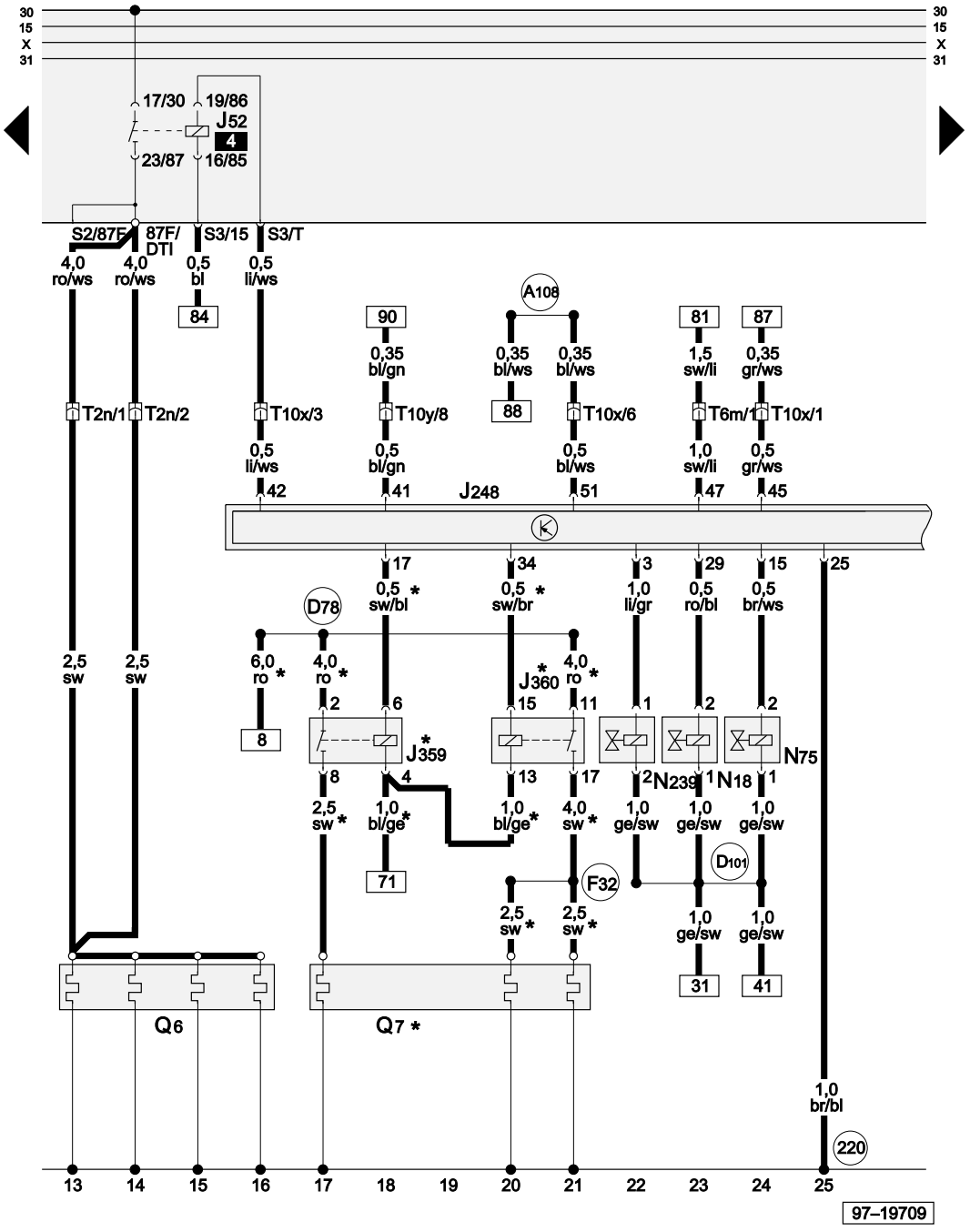
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li = purple
ge = yellow
or = orange
rs = pink

Diesel direct injection system control unit, glow plugs (engine), glow plug relay, glow plugs (coolant), exhaust gas recirculation valve, charge pressure control solenoid valve

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J226	Starter inhibitor and reversing light relay
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left
A17	Positive (+) connection (61), in dash panel wiring harness
*	Only for heated pin heating (manual gearbox)
**	Only models with manual gearbox
***	Only models with automatic gearbox
****	Only with 1.9 litre-TDI 81 kW
*****	Only with 1.9 litre-TDI 66 kW

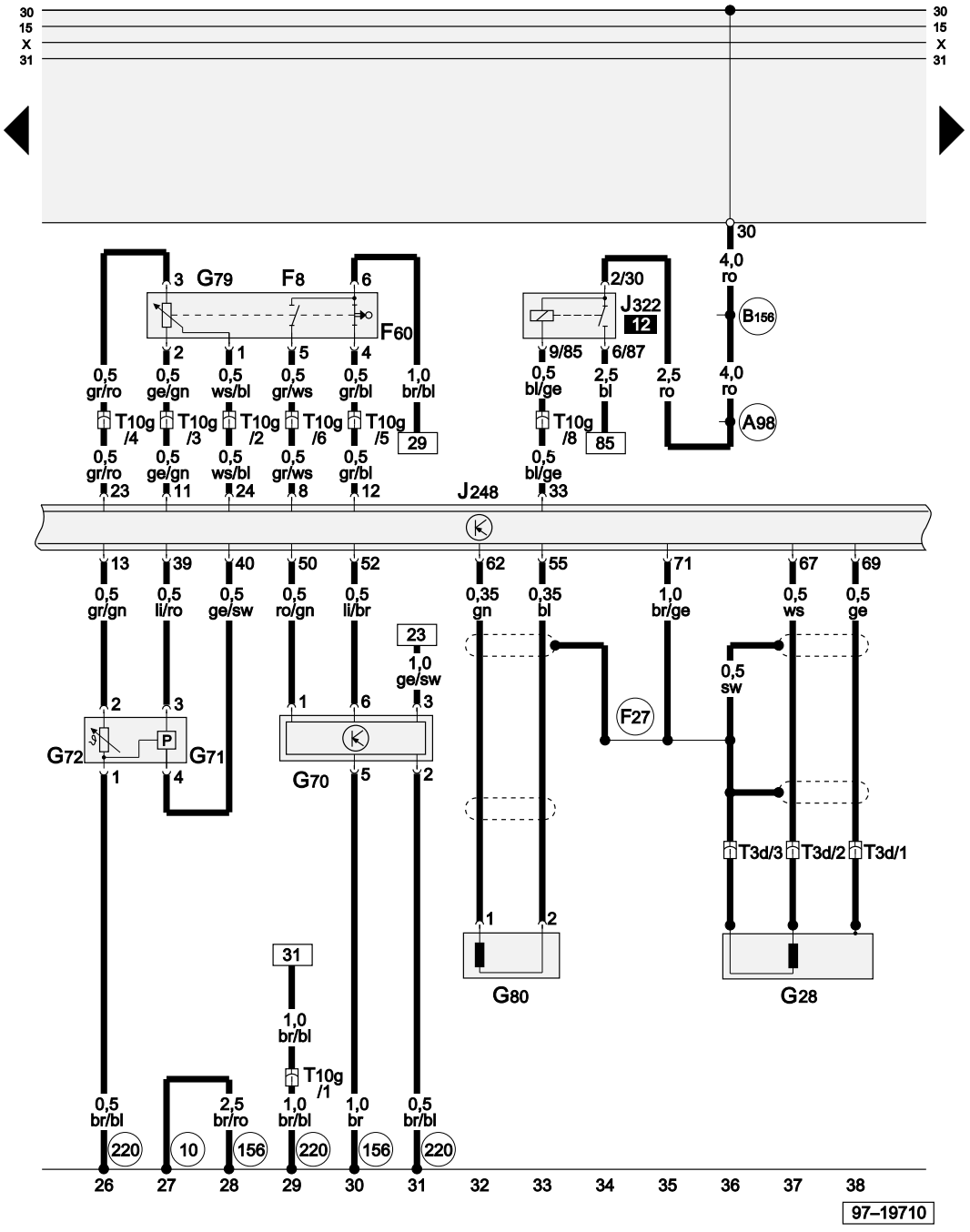


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Diesel direct injection system control unit, air mass meter, diesel direct injection system relay, intake manifold temperature sender, accelerator pedal position sender, engine speed sender

J52	Glow plug relay
J248	Diesel direct injection system control unit
J359	Low heat output relay
J360	High heat output relay
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Intake manifold flap change-over valve
Q6	Glow plugs (engine)
Q7	Glow plugs (coolant)
T2n	2-pin connector, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
D101	Connection -1-, in engine compartment wiring harness
F32	Connection (glow plugs - coolant), in diesel direct injection system wiring harness
*	Only for heated pin heating (manual gearbox)

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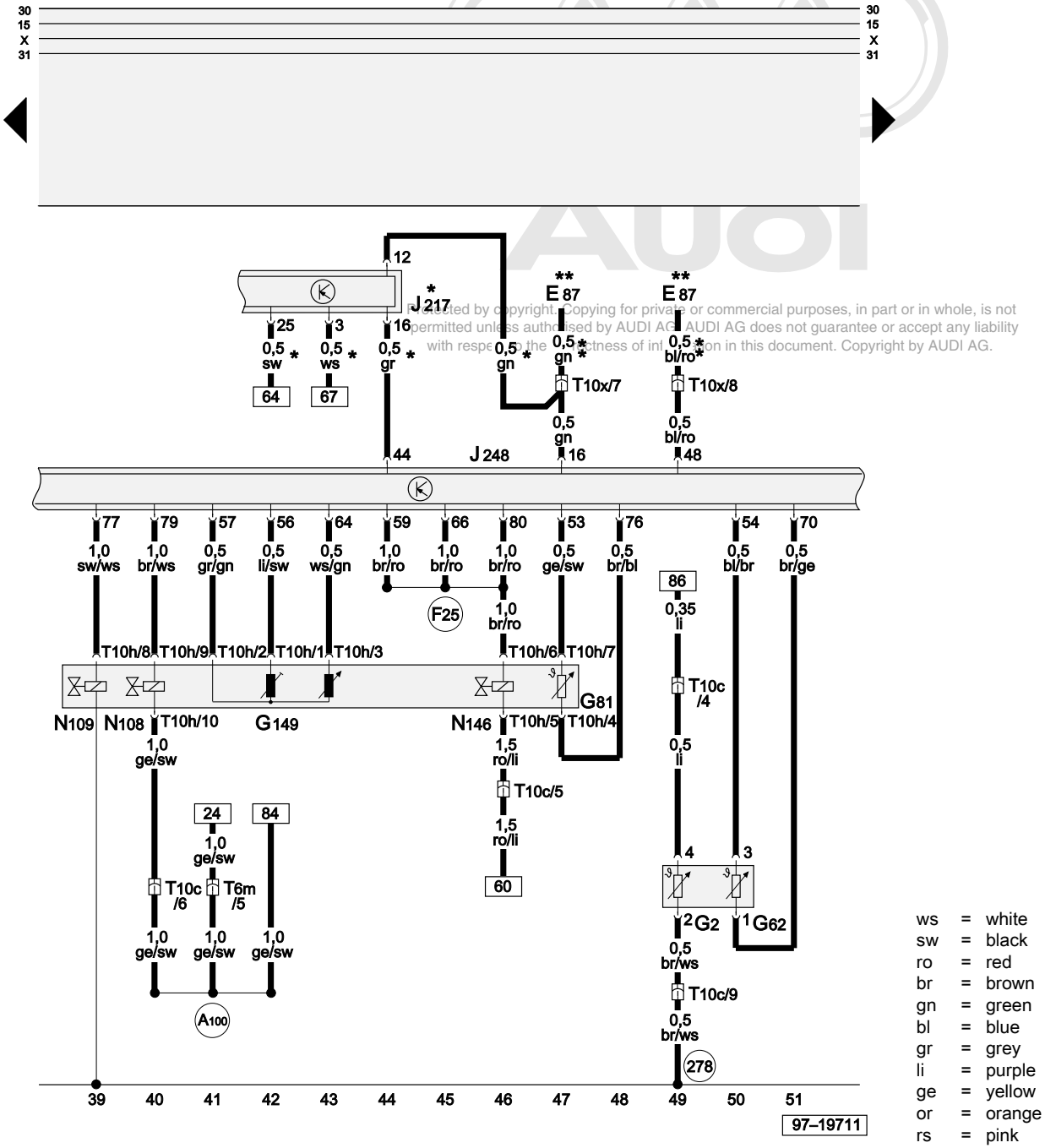


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Diesel direct injection system control unit, coolant temperature senders, modulating piston movement sender

F8	Kick-down switch
F60	Idling switch
G28	Engine speed sender
G70	Air mass meter
G71	Intake manifold pressure sender
G72	Intake manifold temperature sender
G79	Accelerator pedal position sender
G80	Needle lift sender
J248	Diesel direct injection system control unit
J322	Diesel direct injection system relay
T3d	3-pin connector, black, in engine compartment
T10g	10-pin connector, blue, in plenum chamber
10	Earth point, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
220	Earth connection (sender earth), in engine wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection -4- (30), in interior wiring harness
F27	Connection (screening), in diesel direct injection system wiring harness

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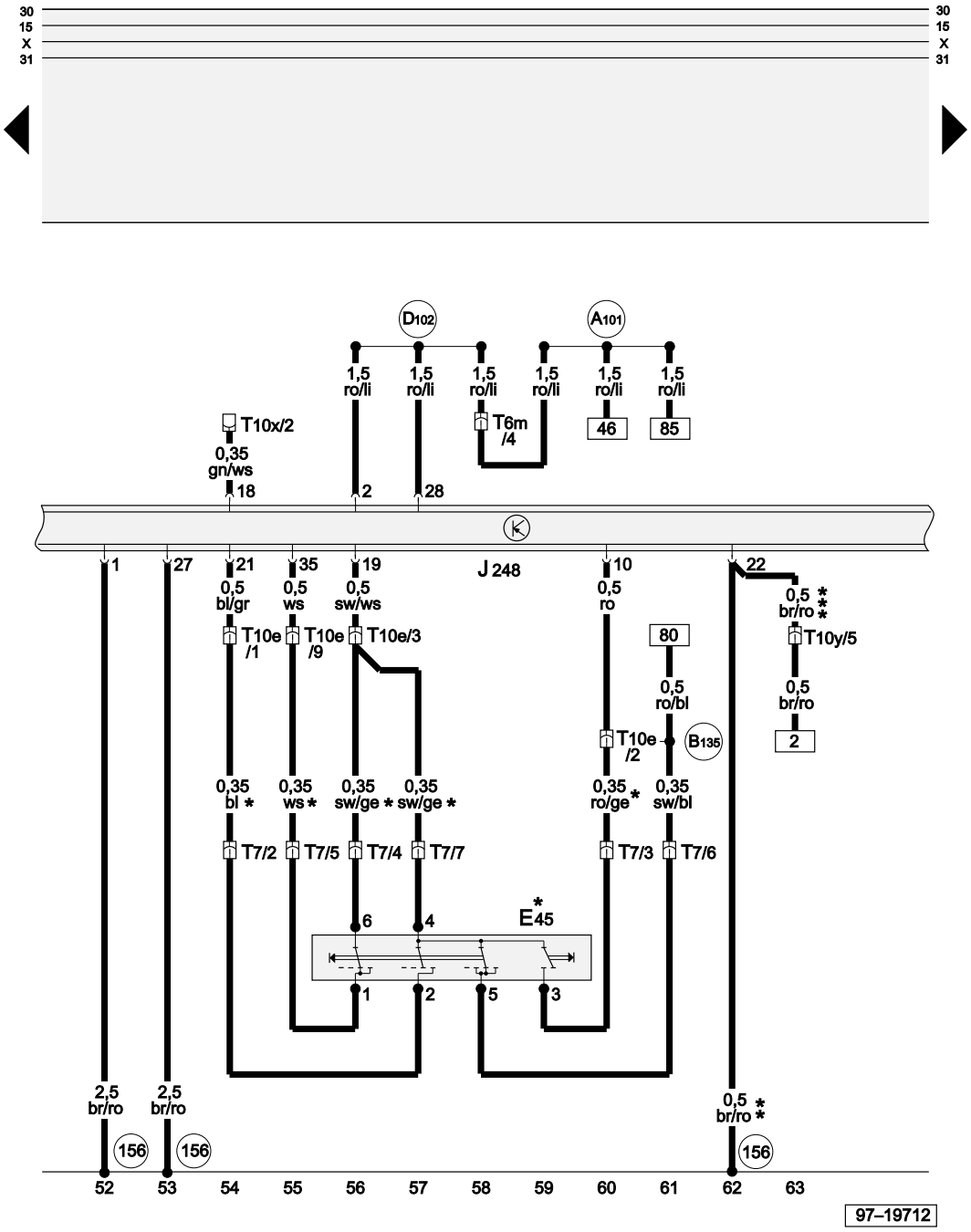


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Diesel direct injection system control unit

E87	Control and display unit for air conditioner
G2	Coolant temperature sender
G62	Coolant temperature sender
G81	Fuel temperature sender
G149	Modulating piston movement sender
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
N108	Commencement of injection valve
N109	Fuel shut-off valve
N146	Metering adjuster
T6m	6-pin connector, brown, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10h	10-pin connector, black, centre in engine compartment
T10x	10-pin connector, orange, in plenum chamber
281	Earth connection -1-, in engine compartment wiring harness (pre-assembled)
A100	Connection -2- (87), in dash panel wiring harness
F25	Connection -1-, in diesel direct injection system wiring harness
*	Only models with automatic gearbox
**	Only models with air conditioner

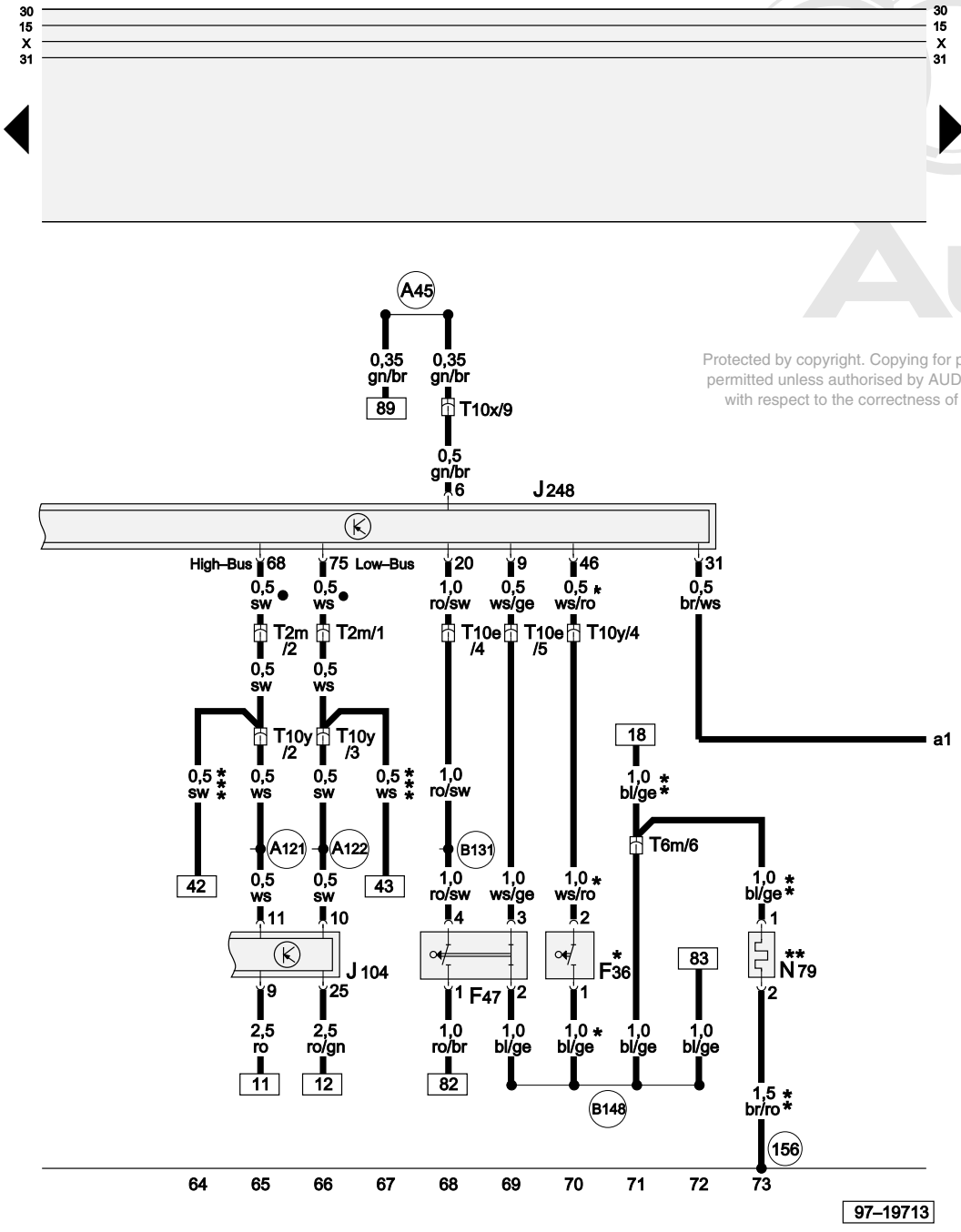


Diesel direct injection system control unit, brake pedal switch, clutch pedal switch

E45	Cruise control system switch
J248	Diesel direct injection system control unit
T6m	6-pin connector, brown, in plenum chamber
T7	7-pin connector, behind steering column switch trim
T10e	10-pin connector, black, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B135	Positive (+) connection (15a), in interior wiring harness
D102	Connection -2-, in engine compartment wiring harness
*	Only models with cruise control system
**	Does not apply to models heated pin heating
***	Only for heated pin heating (manual 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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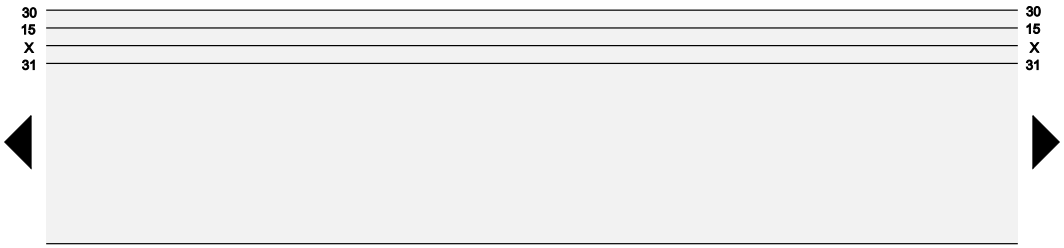


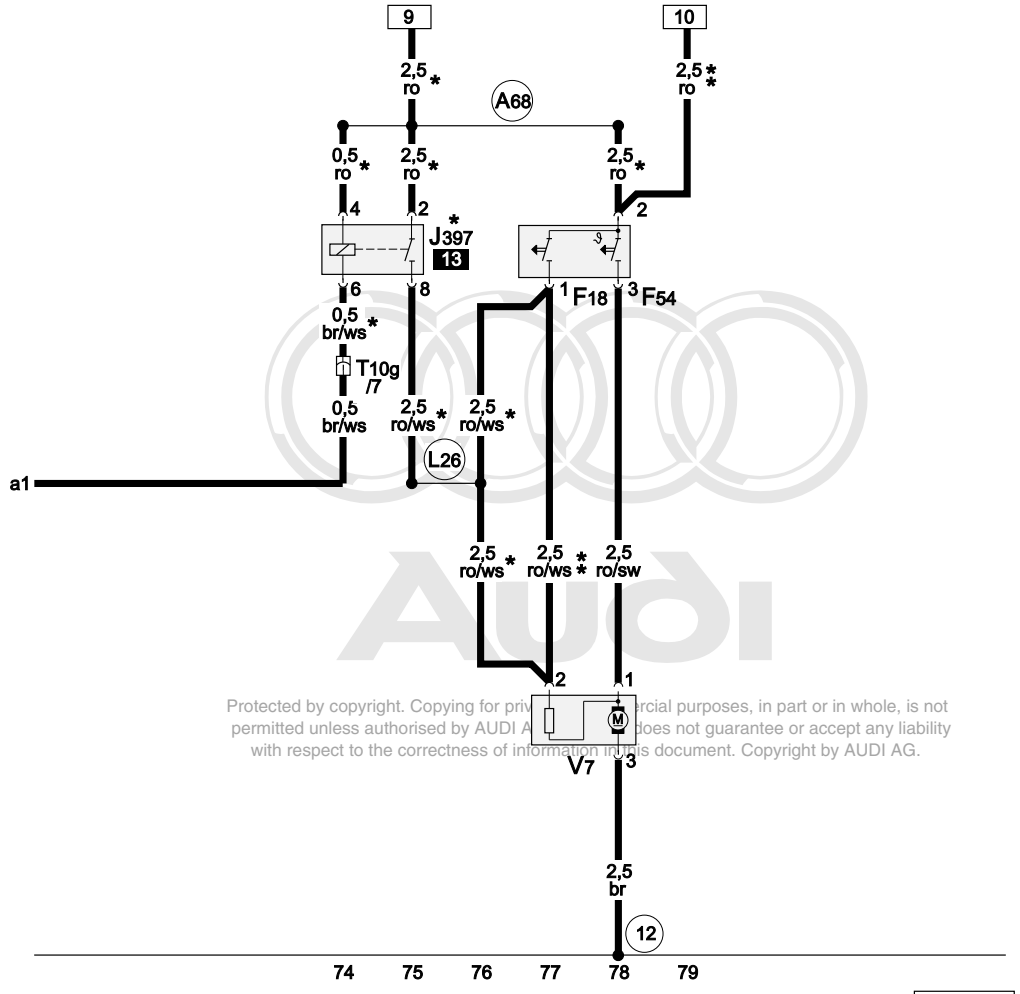
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radiator fan

F36	Clutch pedal switch
F47	Brake pedal switch for diesel direct inj. system
J104	ABS with EDL control unit
J248	Diesel direct injection system control unit
N79	Heater element (crankcase breather)
T2m	2-pin connector, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A45	Connection (engine speed signal), 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
B148	Positive (+) connection -3- (87), in interior wiring harness
*	Only models with manual gearbox
**	Only for heated pin heating (manual gearbox) and export versions (nordic countries)
***	Only models with automatic gearbox
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	CAN bus (data wire)

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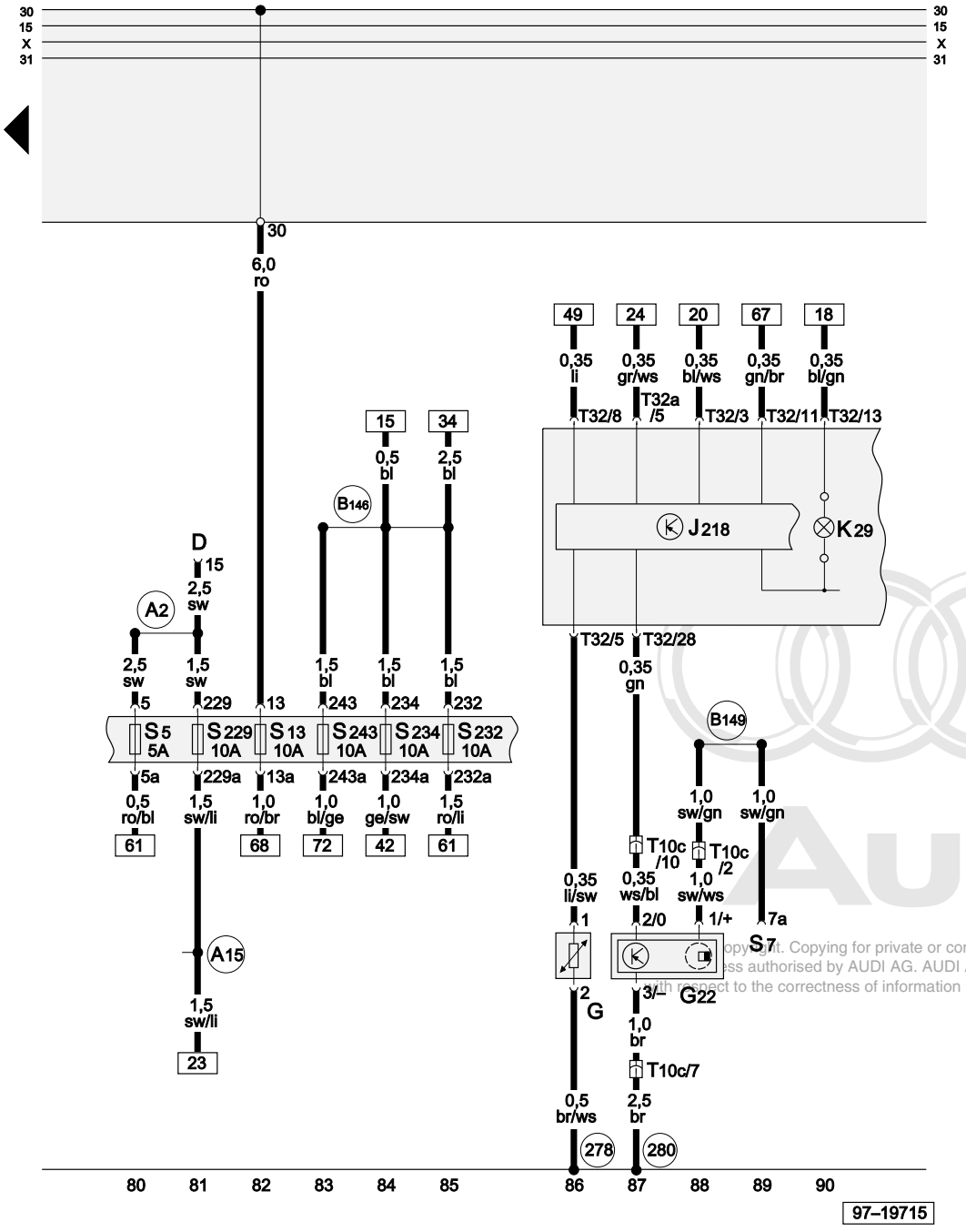


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Dash panel insert, combi-processor in dash panel insert, fuel gauge sender, road speed sender, fuse box

F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J397	Radiator fan run-on relay
T10g	10-pin connector, blue, in plenum chamber
V7	Radiator fan
12	Earth point, in engine compartment, left
A68	Connection (30, air conditioner), in dash panel wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
*	Only with 1.9 litre-TDI 81 kW
**	Only with 1.9 litre-TDI 66 kW



Dash panel insert, combi-processor in dash panel insert, fuel gauge sender, road speed sender, fuse box

D	Ignition/starter switch
G	Fuel gauge sender
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K29	Glow period warning lamp
S7	Fuse in fuse box
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
278	Earth connection -4-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
B146	Positive (+) connection -1- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness

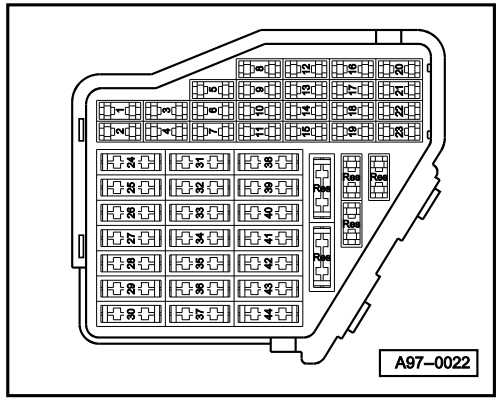
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br	=	brown
gn	=	green
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gr	=	grey
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Air conditioner with automatic control

From model year 1998

Fuse box:

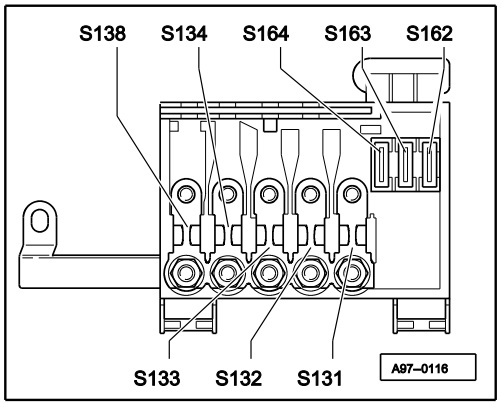


Fuse colours

30 A – green
25 A – white
20 A – yellow
15 A – blue
10 A – red
5A – beige

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

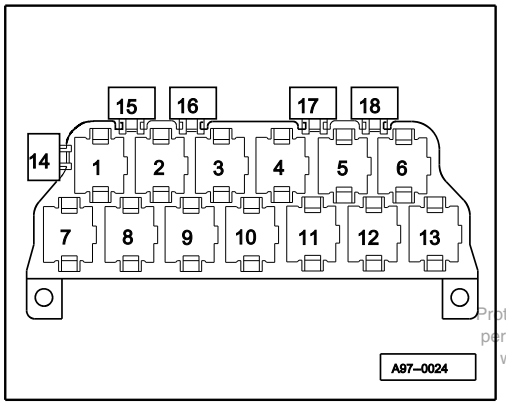
Main fuse box/battery:



Position of fuses:

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

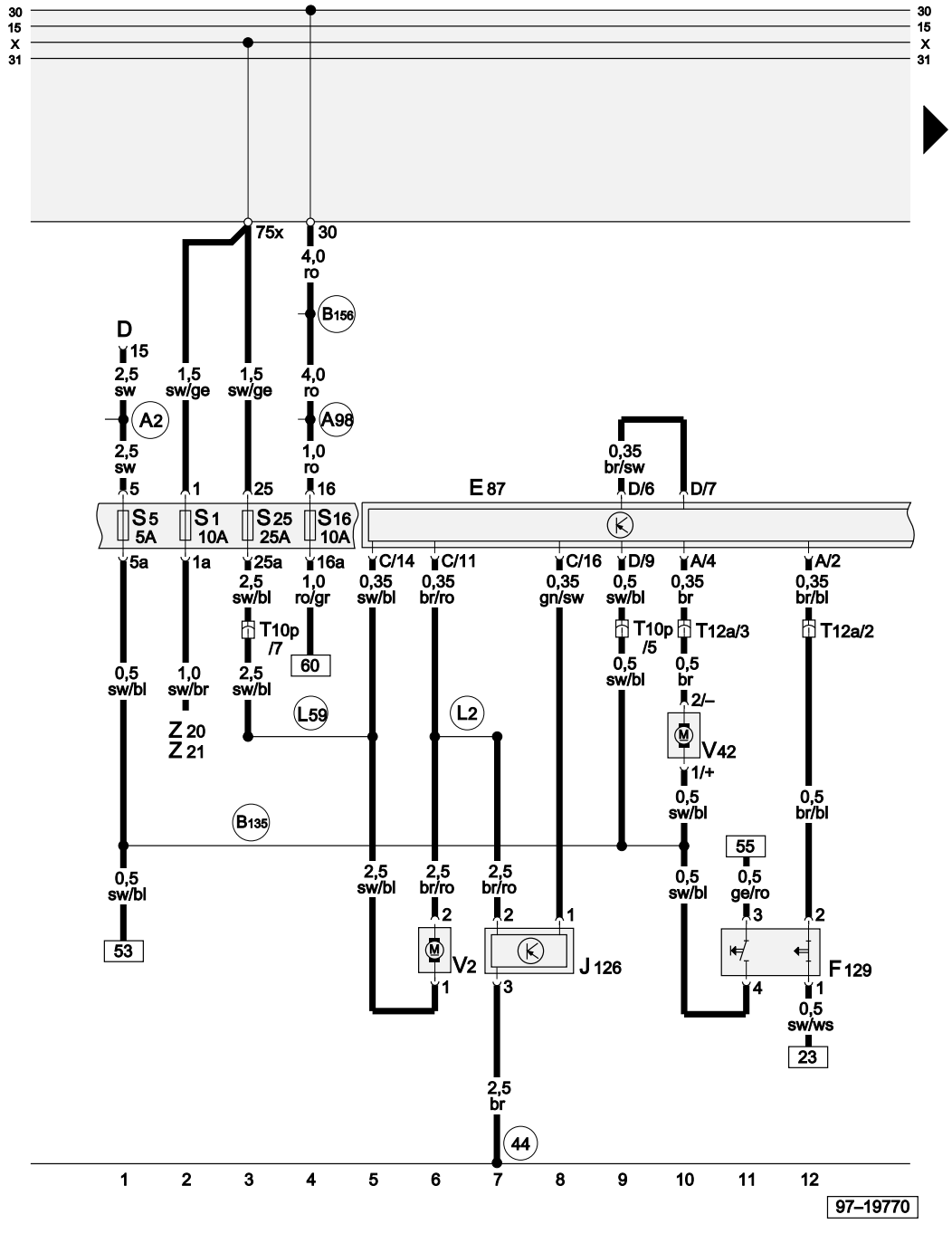
13-point relay carrier:



Position of relays:

13 - Radiator fan run-on relay

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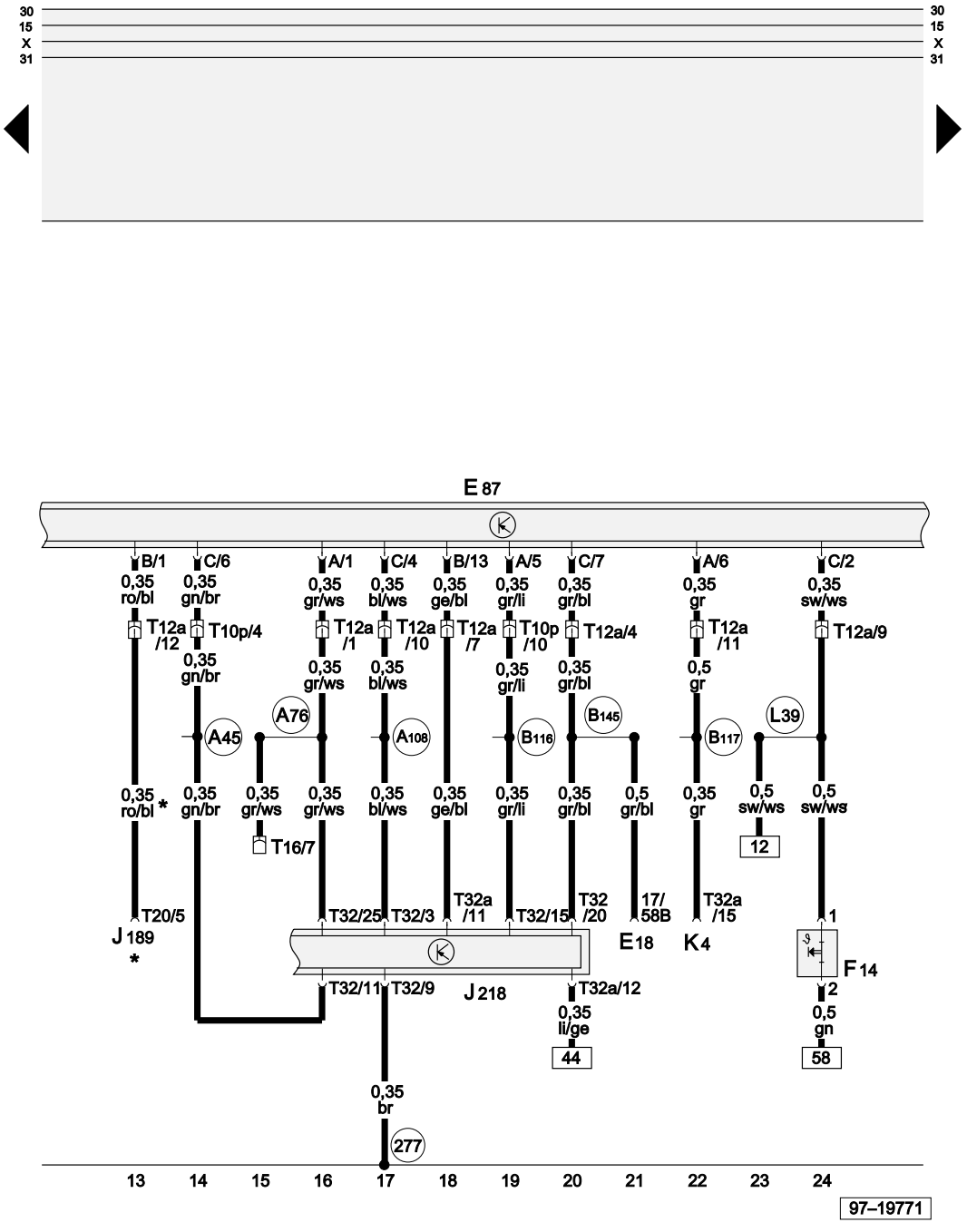


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Air conditioner with automatic control

D	Ignition/starter switch
E87	Control and display unit for air conditioner
F129	Air conditioner pressure switch
J126	Fresh air blower control unit
T10p	10-pin connector, behind dash panel, right
T12a	12-pin connector, behind dash panel, right
V2	Fresh air blower
V42	Temperature sensor blower
Z20	Heater element, left washer jet
Z21	Heater element, right washer jet
44	Earth point, lower part of left A-pillar
A2	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B135	Connection (15a), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
L2	Connection, in air conditioner wiring harness
L59	Positive (+) connection (30), in heater unit wiring harness

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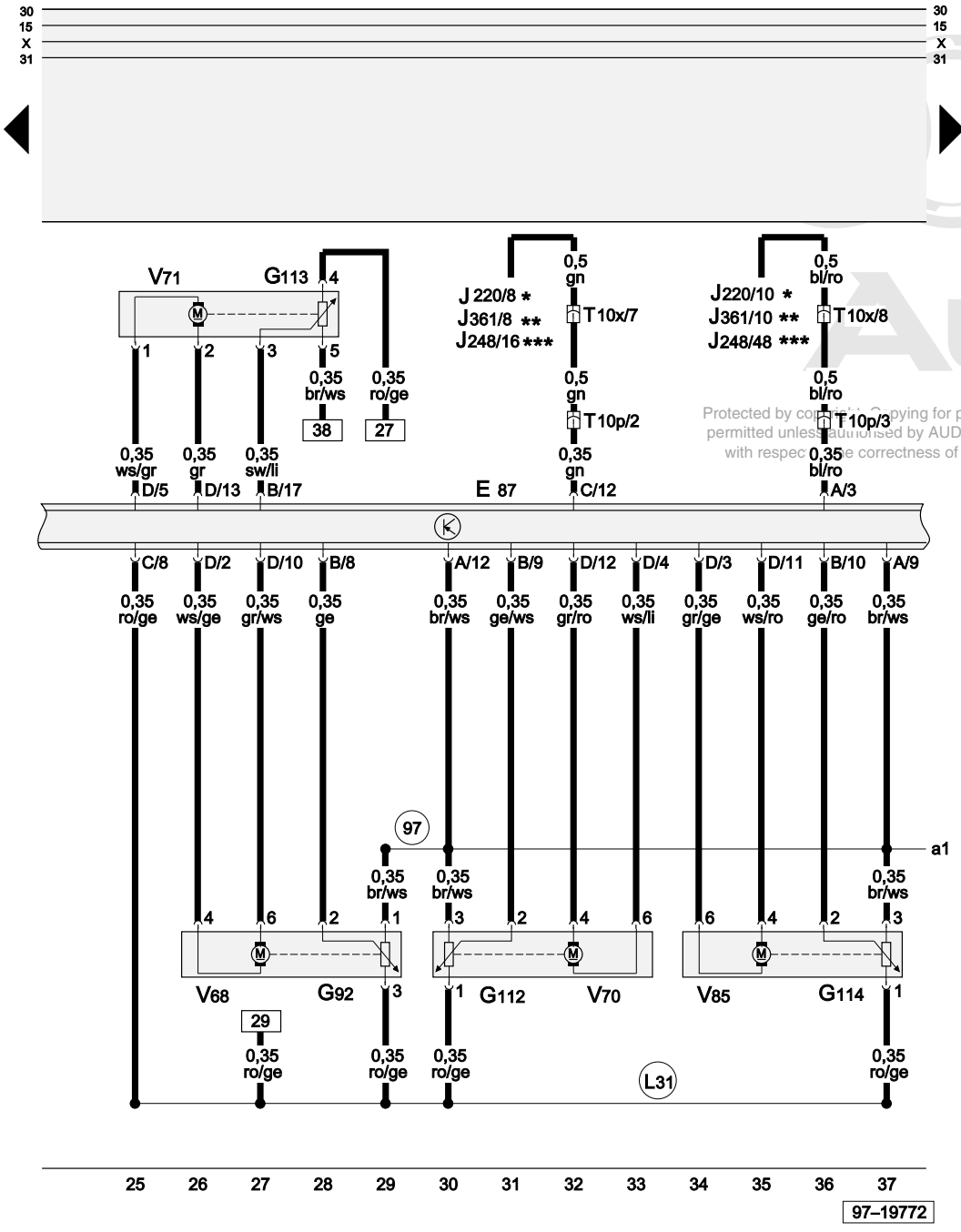


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Air conditioner with automatic control

E18	Rear fog light switch
E87	Control and display unit for air conditioner
F14	Coolant temperature warning switch (overheating)
J189	Auto-check system
J218	Combi-processor in dash panel insert
K4	Side light warning lamp
T10p	10-pin connector, behind dash panel, right
T12a	12-pin connector, behind dash panel, right
T16	16-pin connector, black, in console (diagnostic connector)
T20	20-pin connector, black, on dash panel insert
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
A45	Connection (engine speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (engine speed signal), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
B117	Connection (58a, right), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
L39	Connection (air conditioner pressure switch) -1-, in Climatronic wiring harness
*	Only models with driver information system

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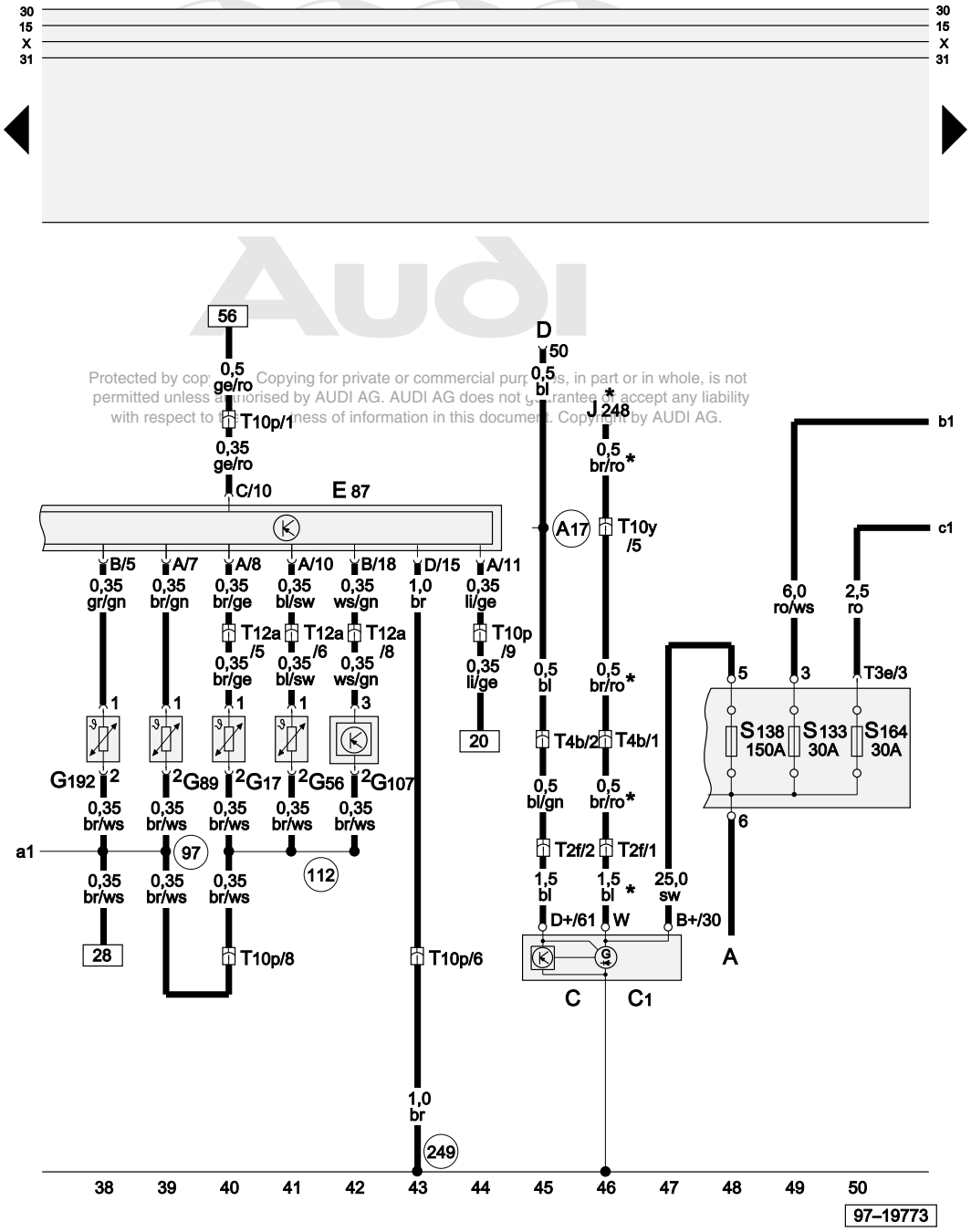
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Air conditioner with automatic control

E87	Control and display unit for air conditioner
G92	Control motor potentiometer, temperature flap
G112	Control motor potentiometer, central flap
G113	Control motor potentiometer, air flow flap
G114	Control motor potentiometer, footwell/defroster flap
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos control unit
T10p	10-pin connector, behind dash panel, right
T10x	10-pin connector, orange, in plenum chamber
V68	Temperature flap control motor
V70	Central flap control motor
V71	Air flow 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

* Applies to engine codes AGN and AGU only
** Applies to engine codes AEH only
*** Applies to engine codes AGR and AHF only

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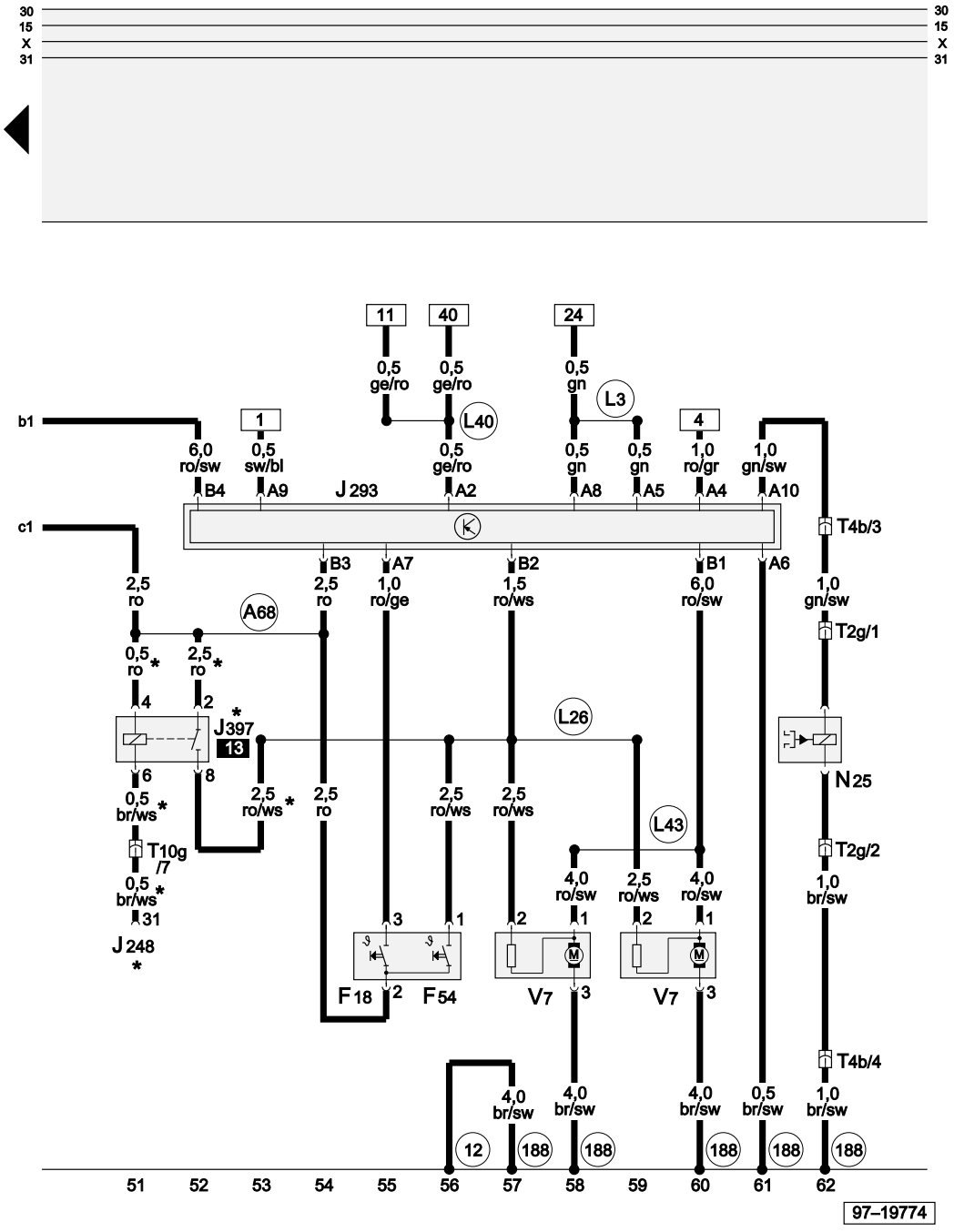


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Air conditioner with automatic control

A	Battery
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
E87	Control and display unit for air conditioner
G17	Ambient temperature sensor
G56	Dash panel temperature sensor
G89	Fresh air intake duct temperature sensor
G107	Sunlight penetration photosensor
G192	Vent temperature sender, footwell
J248	Diesel direct injection system control unit
S133	Fuse 3
S138	Fuse 5
S164	Fuse -3- (30), in fuse box/battery
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T4b	4-pin connector, in engine compartment, left
T10p	10-pin connector, behind dash panel, right
T10x	10-pin connector, orange, in plenum chamber
T12a	12-pin connector, behind dash panel, right
97	Earth connection -1-, in air conditioner wiring harness
112	Earth connection -2-, in air conditioner wiring harness
249	Earth connection -2-, in interior wiring harness
A17	Connection (61), in dash panel wiring harness
*	Applies to engine codes AGR and AHF only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
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Air conditioner with automatic control

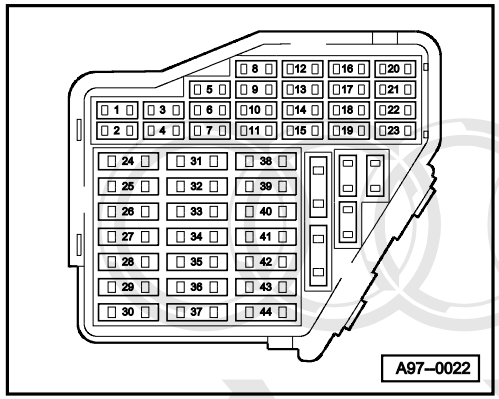
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J397	Radiator fan run-on relay
N25	Air conditioning system magnetic coupling
T2g	2-pin connector, near compressor
T4b	4-pin connector, in engine compartment, left
T10g	10-pin connector, blue, in plenum chamber
V7	Radiator fan
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
L3	Connection (temperature switch), in air conditioner wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
L40	Connection (air conditioner pressure switch) -2-, in Climatronic wiring harness
L43	Connection (radiator fan), in air conditioner/radiator fan wiring harness
*	Applies to engine codes AGR and AHF only

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Trailer coupling

From model year 1998

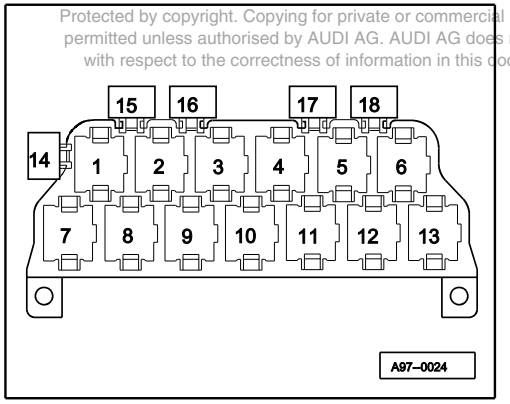
Fuse box:



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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Position of relays:

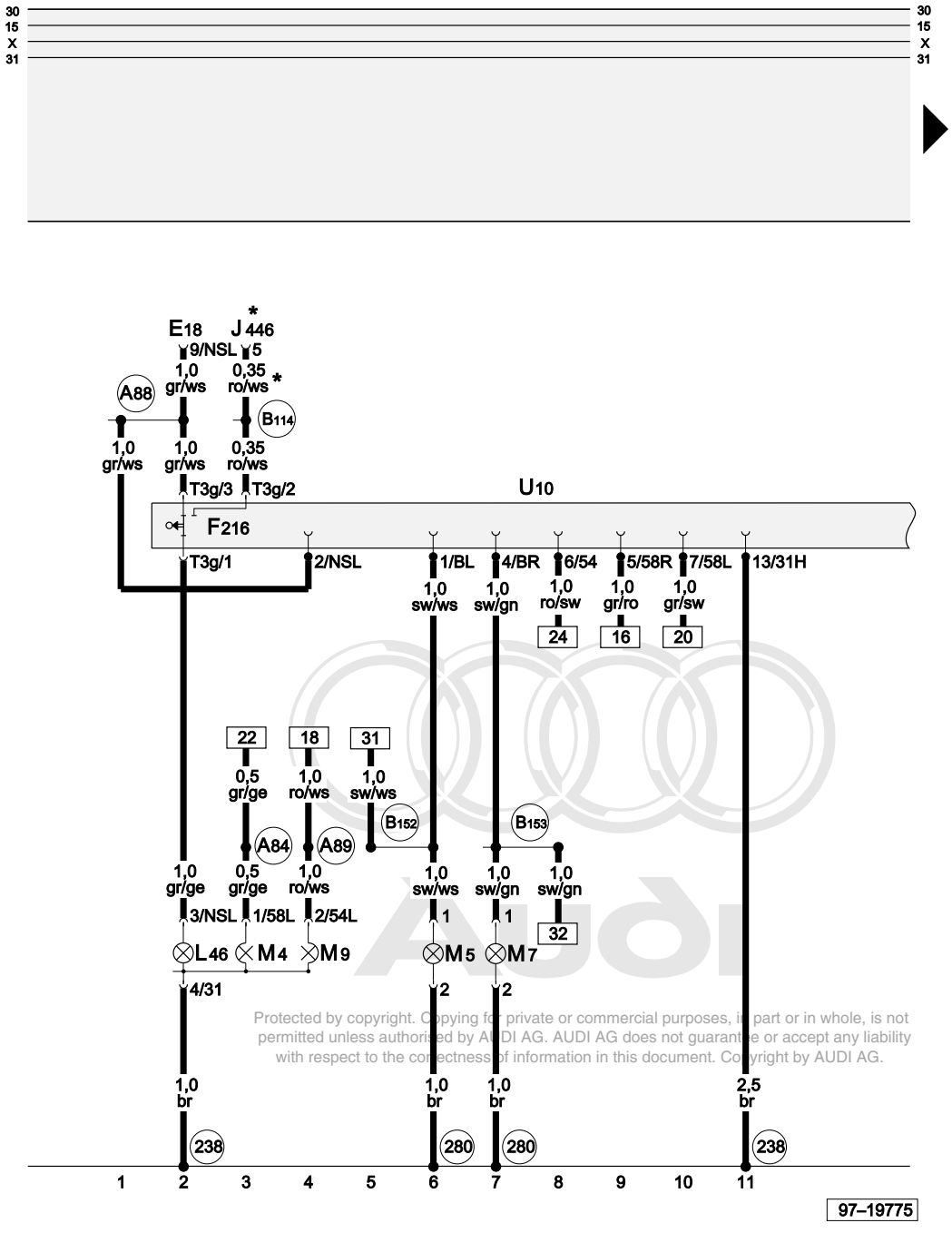
2 - Bulb monitoring device
3 - Bulb monitoring device

Fuse colours

30 A - green
25 A - white

20 A - yellow
15 A - blue
10 A - red
5A - beige

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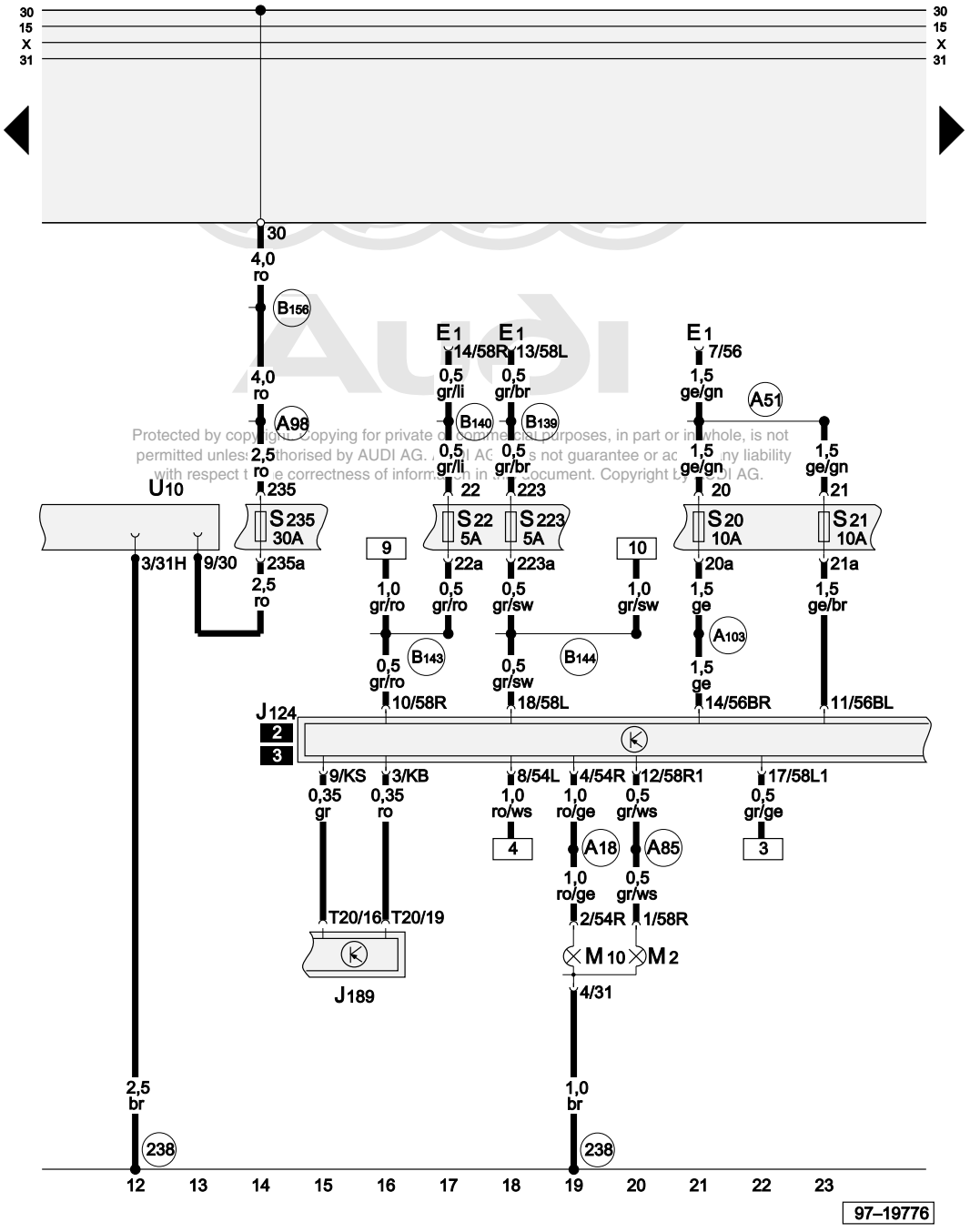


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or = orange
rs = pink

Trailer coupling

E18	Rear fog light switch
F216	Rear fog light cut-out, contact switch
J446	Parking aid control unit
L46	Rear fog light bulb, left
M4	Tail light bulb, left
M5	Turn signal bulb, front left
M7	Turn signal bulb, front right
M9	Brake light bulb, left
T3g	3-pin connector, on trailer socket
U10	Trailer socket
238	Earth connection -1-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A84	Connection (58L), in dash panel wiring harness
A88	Connection (RFL), in dash panel wiring harness
A89	Connection (54), in dash panel wiring harness
B114	Connection (inhibitor switch), in interior wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (TSR), in interior wiring harness
*	Only models with parking aid

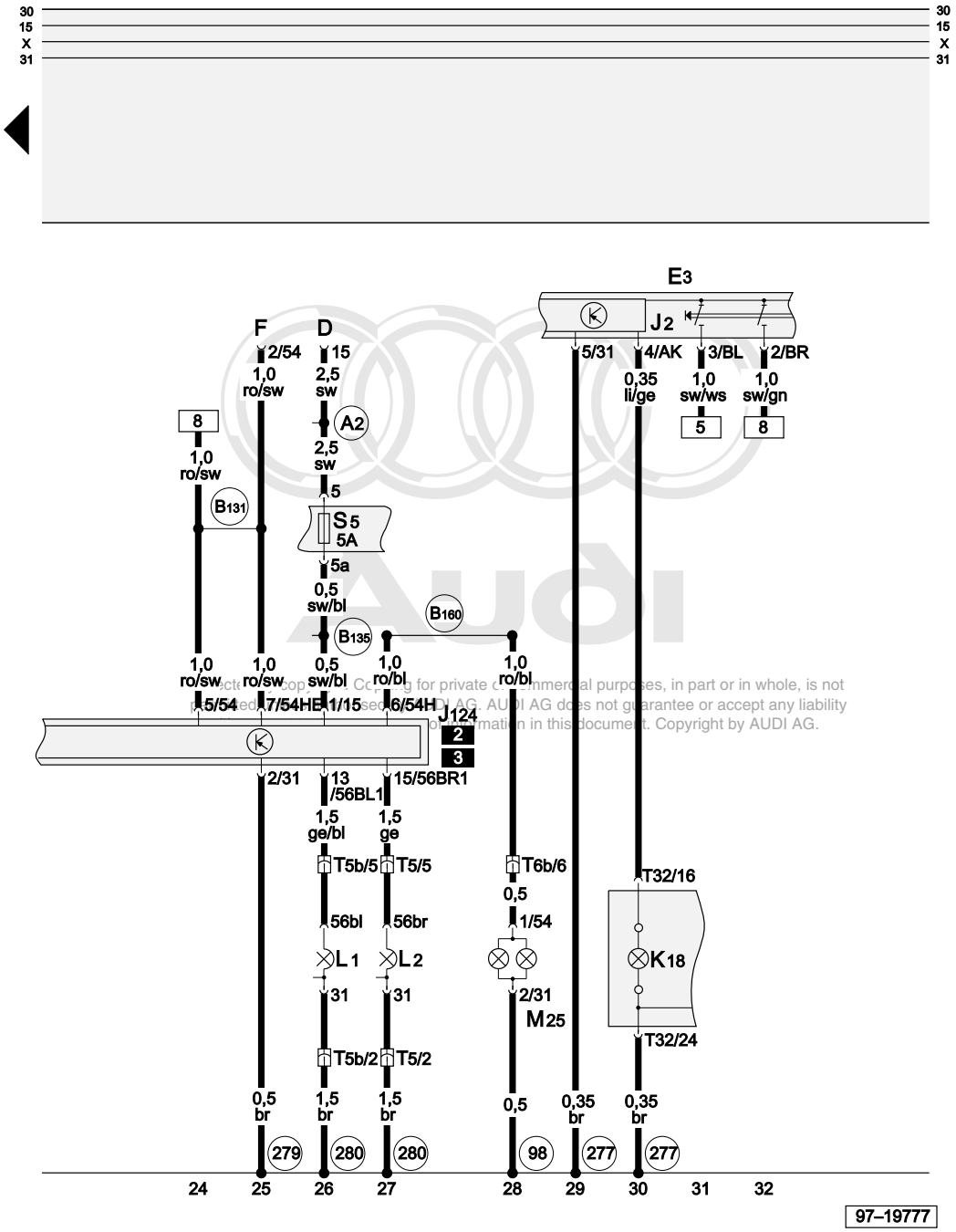


ws = white
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rs = pink

Trailer coupling

E1	Lighting switch
J124	Bulb monitoring device, rear
J189	Auto-check system
M2	Tail light bulb, right
M10	Brake light bulb, right
U10	Trailer socket
238	Earth connection -1-, in interior wiring harness
A18	Connection (54), in dash panel wiring harness
A51	Connection (56), in dash panel wiring harness
A85	Connection (58R), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A103	Connection -2- (56), in dash panel wiring harness
B139	Connection (PLL), in interior wiring harness
B140	Connection (PLR), in interior wiring harness
B143	Positive (+) connection (58R), in interior wiring harness
B144	Positive (+) connection (58L), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

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Trailer coupling

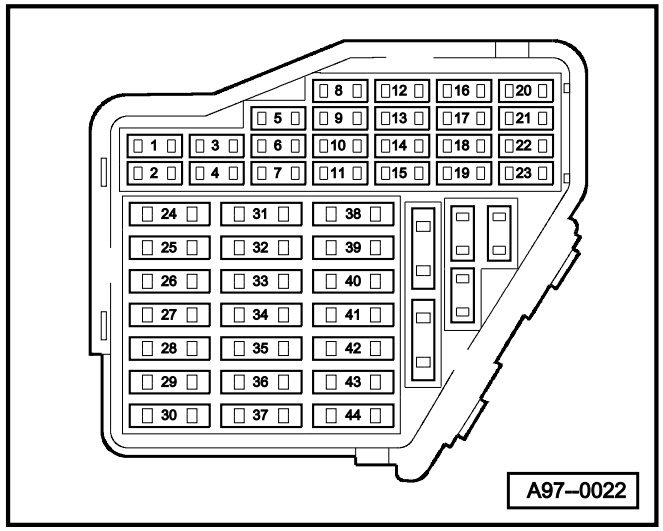
D	Ignition/starter switch
E3	Hazard warning light switch
F	Brake light switch
J2	Hazard warning light relay
J124	Bulb monitoring device, rear
K18	Trailer operation warning lamp
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M25	High level brake light bulb
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
T6b	6-pin connector, blue, in luggage compartment, left
T32	32-pin connector, blue, on dash panel insert
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection -3-, in interior wiring harness
279	Earth connection -5-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
B131	Positive (+) connection (54), in interior wiring harness
B135	Connection (15a), in interior wiring harness
B160	Connection (brake system monitoring), in interior 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

Side airbags and airbags for driver's seat and front passenger's seat with belt tensioners

From model year 1998

Fuse box:

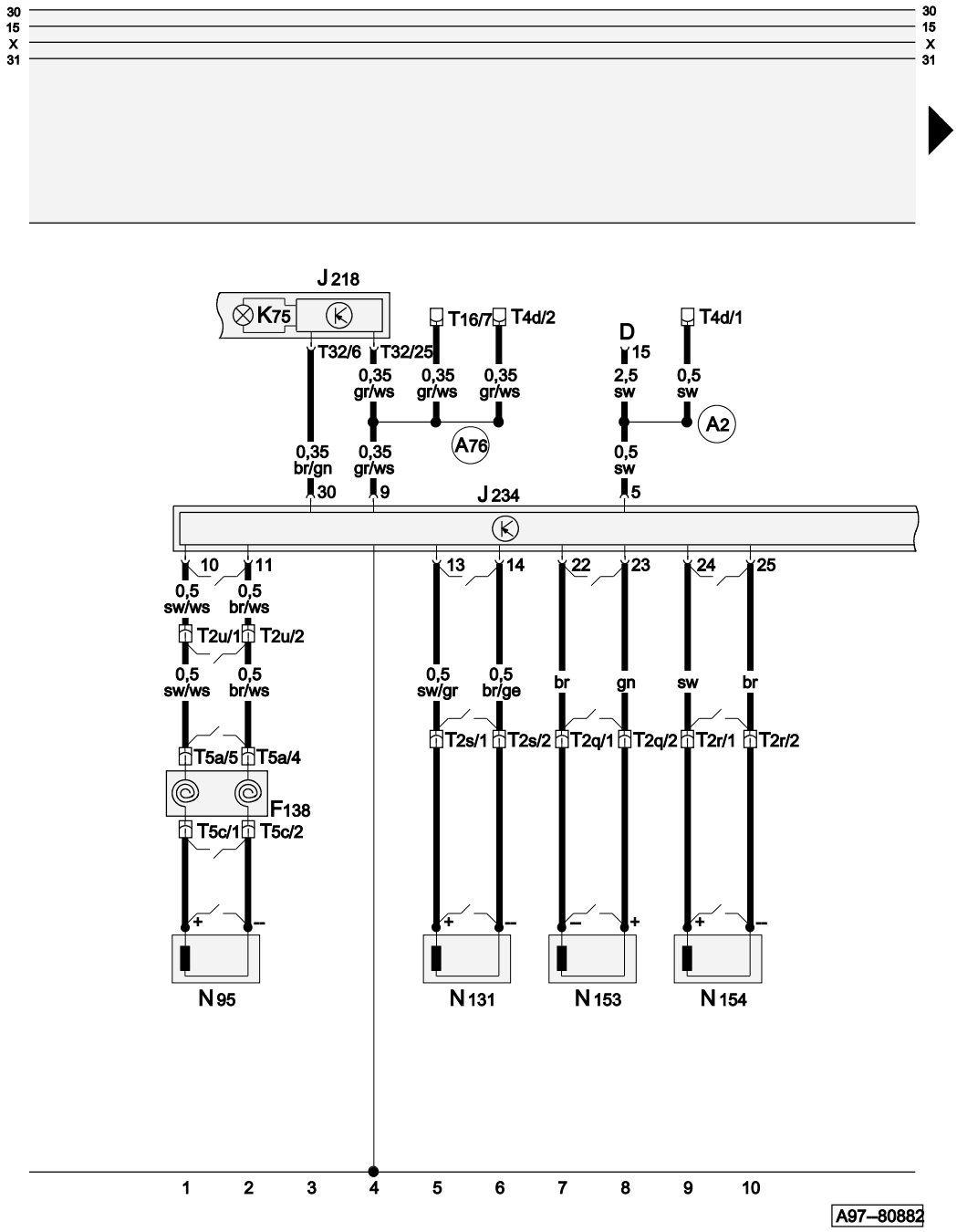


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

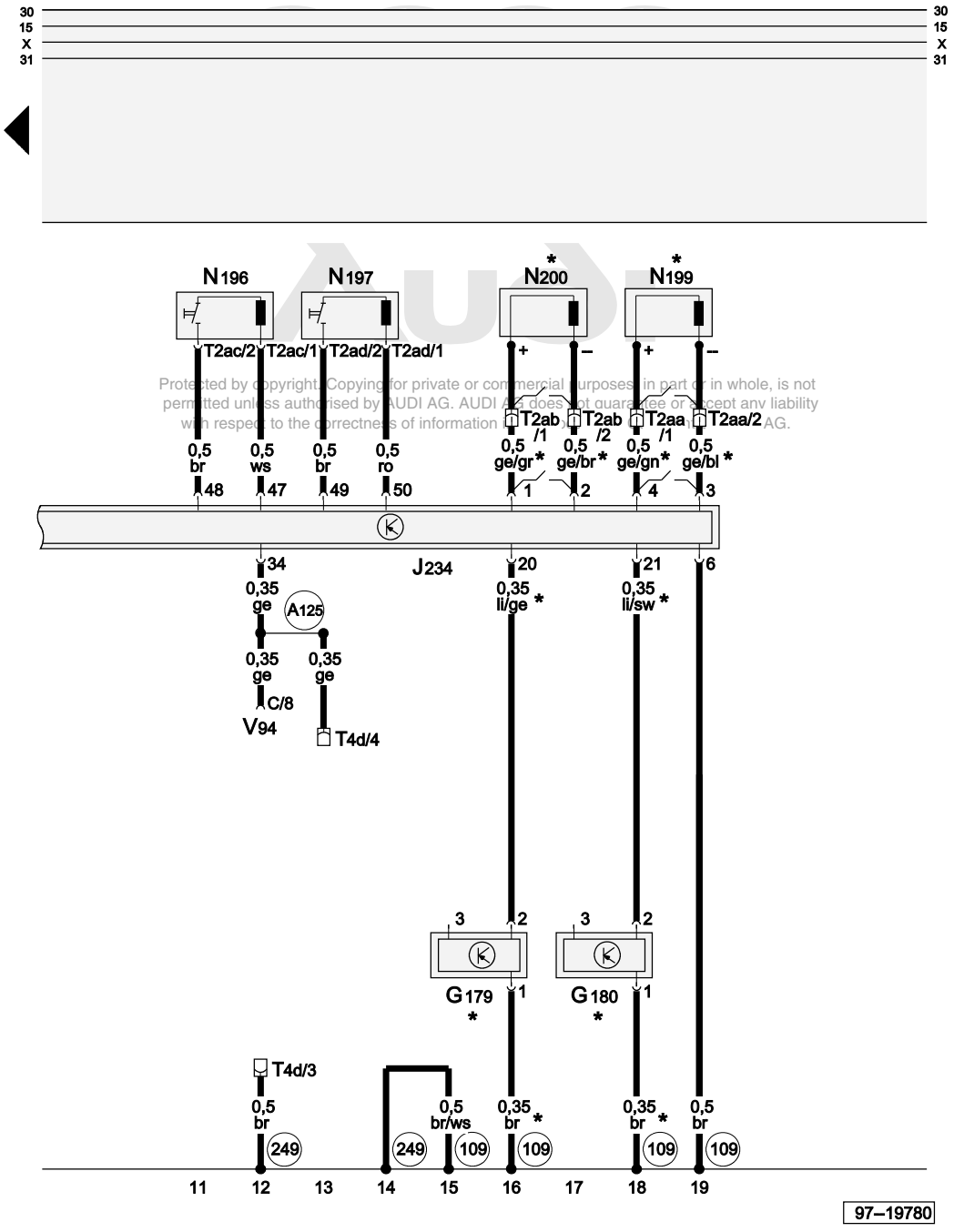


Side airbags and airbags for driver's seat and front passenger's seat with belt tensioners

D	Ignition/starter switch
F138	Airbag coil connector
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
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
T2u	2-pin connector, behind dash panel, centre
T4d	4-pin connector, wrapped in wiring harness, near front passenger's airbag
T5a	5-pin connector, yellow, behind steering column switch trim
T5c	5-pin connector, yellow, behind steering wheel trim
T16	16-pin connector, centre console, rear (diagnosis connection)
T32	32-pin connector, blue, on dash panel insert
A2	Positive (+) connection (15), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
<fo:exter	Short circuit bridge becomes effective when connector is unplugged

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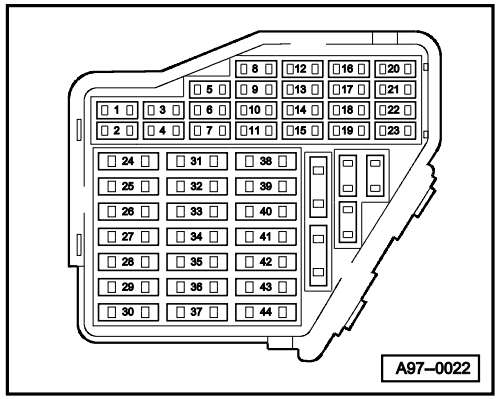
Side airbags and airbags for driver's seat and front passenger's seat with belt tensioners

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, passenger's side
N199	Side airbag igniter, driver's side
N200	Side airbag igniter, front passenger's side
T2aa	2-pin connector, under driver's seat
T2ab	2-pin connector, under front passenger's seat
T2ac	2-pin connector, under rear left seat
T2ad	2-pin connector, under rear right seat
T4d	4-pin connector, wrapped in wiring harness, near front passenger's airbag
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
249	Earth connection -2-, in interior wiring harness
A125	Connection (crash signal), in dash panel wiring harness
*	Only models with side airbags
<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

Anti-lock brake system (ABS and ABS with EDL)

From model year 1998

Fuse box:

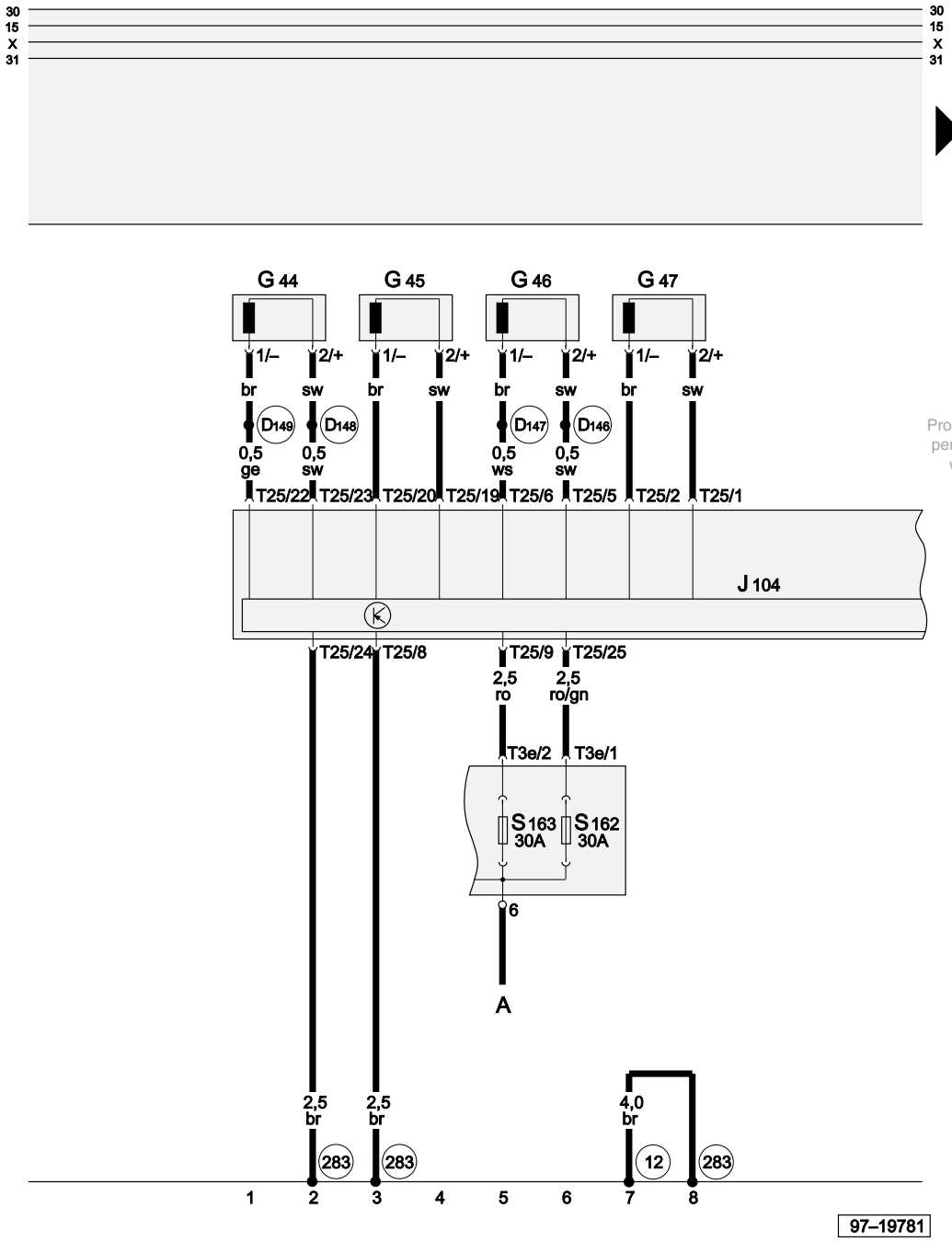


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

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Fuse colours

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

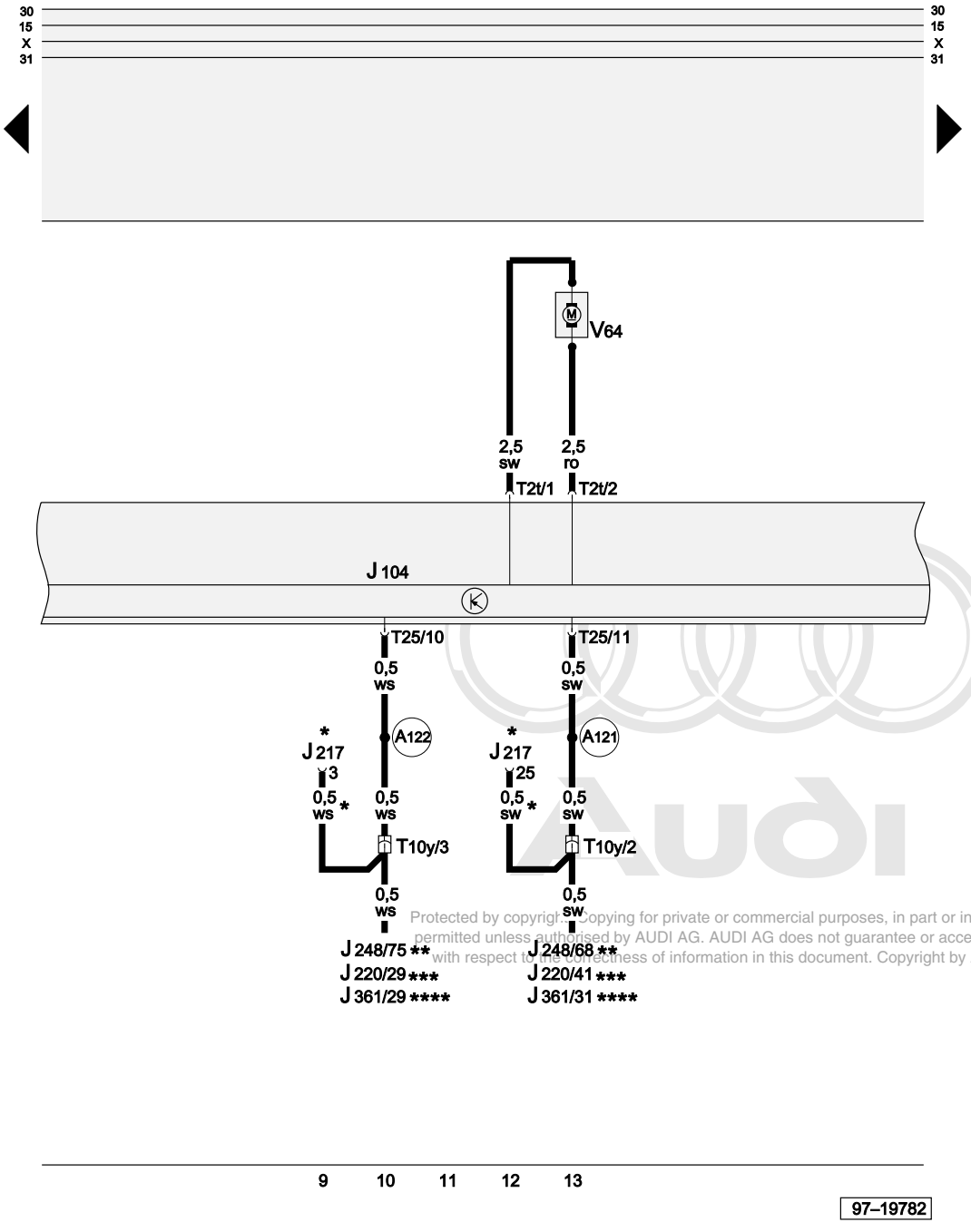


Anti-lock brake system (ABS and ABS with EDL)

A	Battery
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
S162	1 in fuse box/battery
S163	2 in fuse box/battery
T3e	3-pin connector, black, on main fuse box/battery
T25	25-pin connector, on ABS control unit
12	Earth point, in engine compartment, left
283	Earth connection -3-, in engine compartment 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

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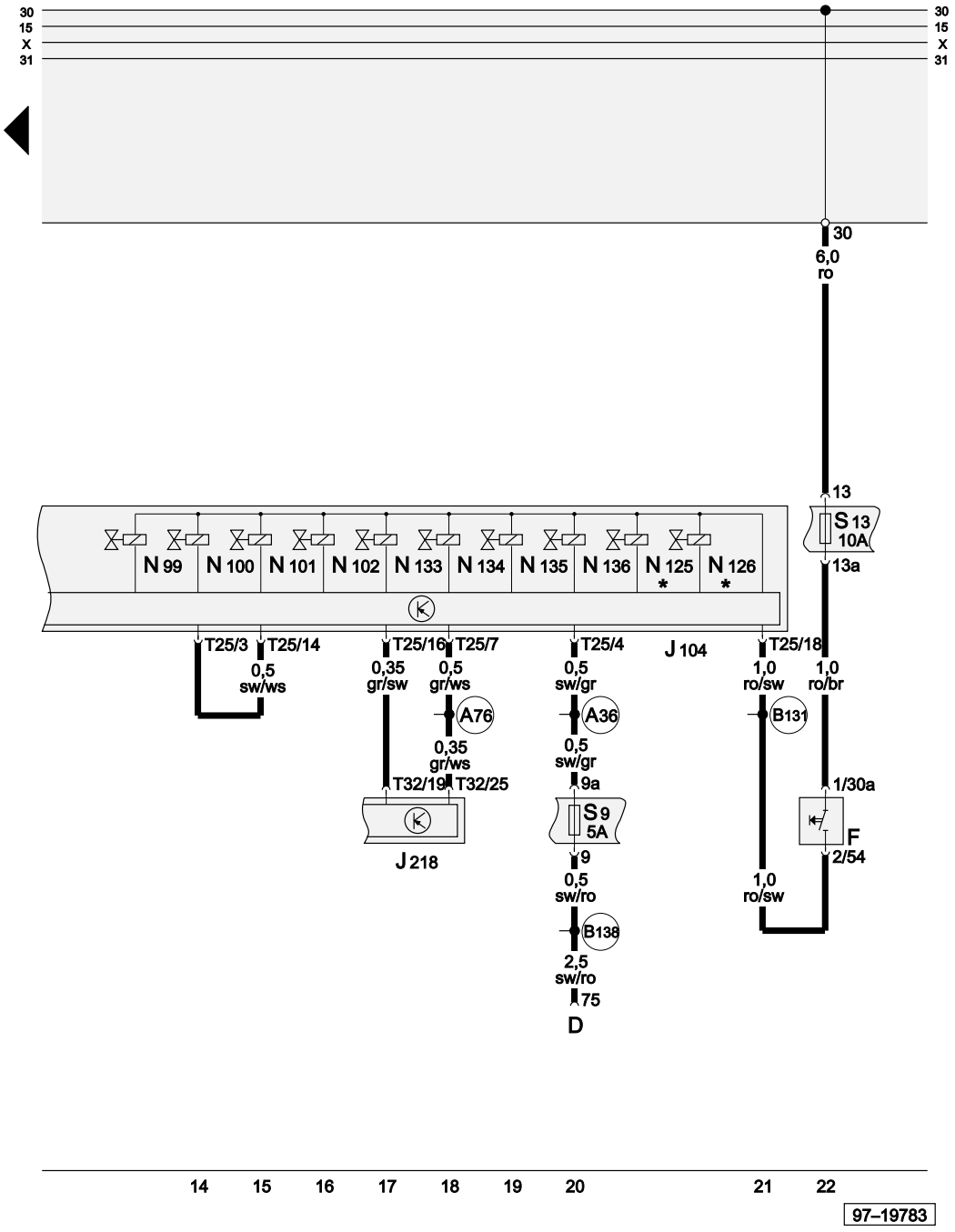


Anti-lock brake system (ABS and ABS with EDL)

J104	ABS with EDL control unit
J217	Automatic gearbox control unit
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos control unit
T2t	2-pin connector, on ABS control unit
T10y	10-pin connector, green, in plenum chamber
T25	25-pin connector, on ABS control unit
V64	ABS hydraulic pump
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
*	Only models with automatic gearbox
**	Applies to engine codes AGR and AHF only
***	Applies to engine codes AGN and AGU only
****	Applies to engine codes AEH only

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or	=	orange
rs	=	pink



Anti-lock brake system (ABS and ABS with EDL)

D	Ignition/starter switch
F	Brake light switch
J104	ABS with EDL control unit
J218	Combi-processor in dash panel insert
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
T25	25-pin connector, on ABS control unit
T32	32-pin connector, blue, on dash panel insert
A36	Connection (75a), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B131	Positive (+) connection (54), in interior wiring harness
B138	Positive (+) connection -1- (x), in interior wiring harness
*	Only models with ABS and EDL

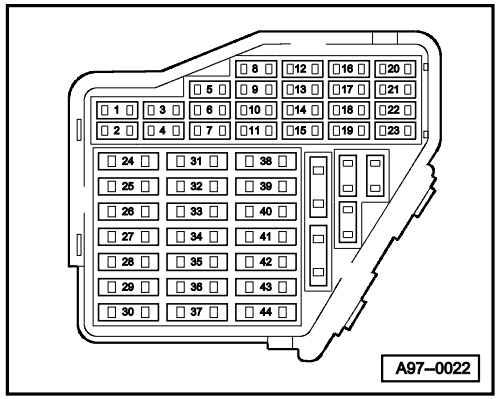
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ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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

From model year 1998

Fuse box:

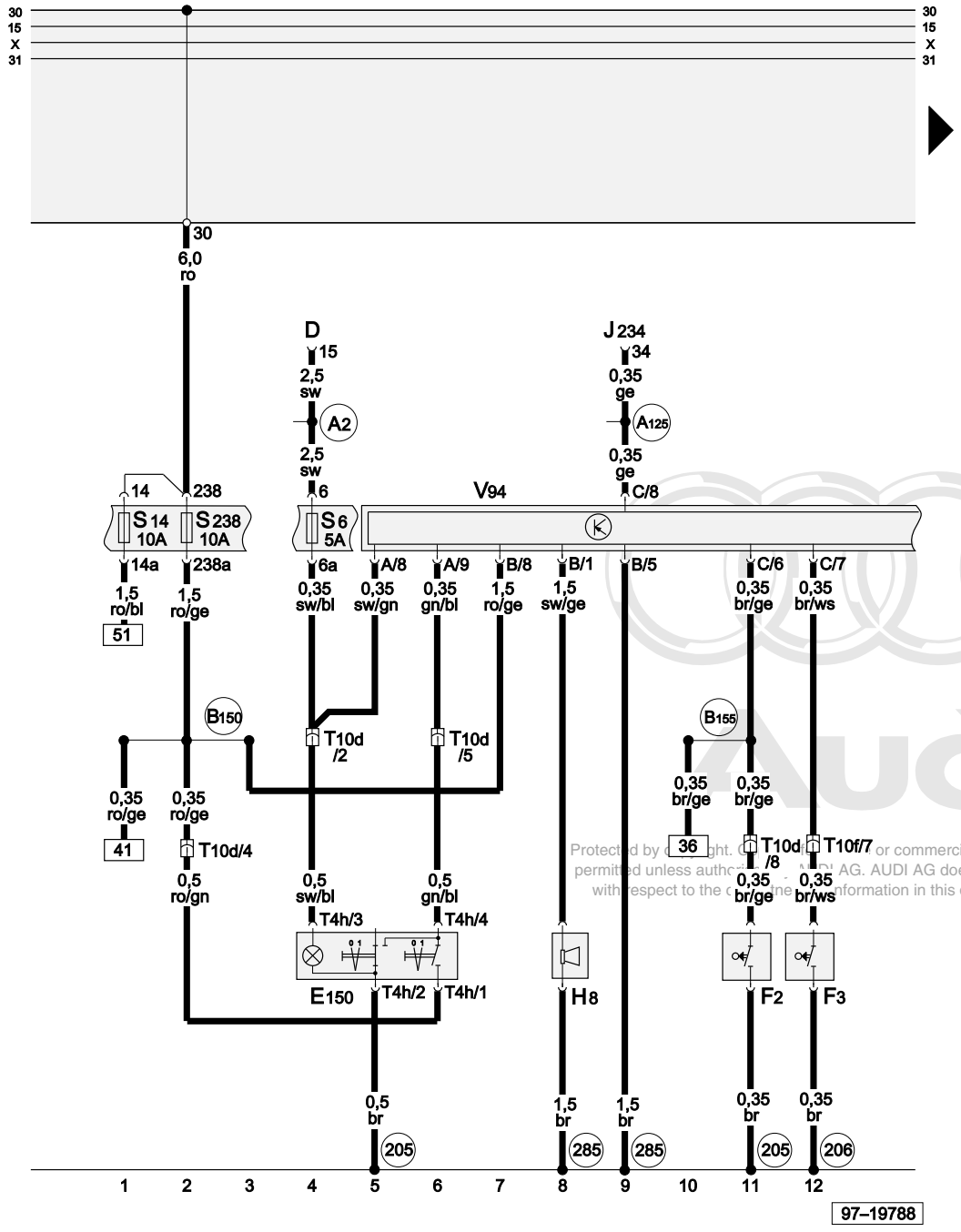


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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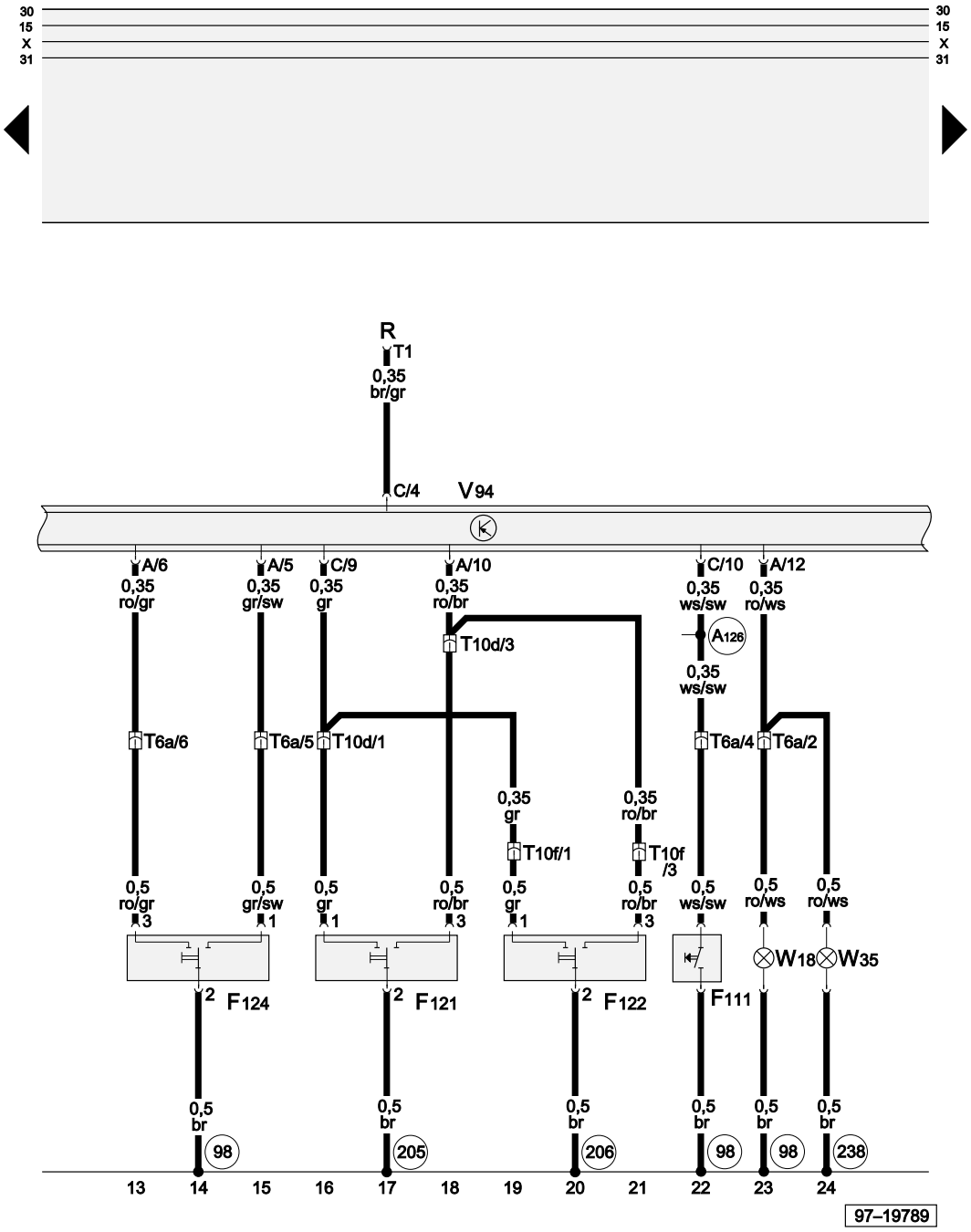


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

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

D	Ignition/starter switch
E150	Interior locking switch, driver's side
F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
H8	Anti-theft alarm system horn
J234	Airbag control unit
T4h	4-pin connector, black, 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
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
B155	Connection -2- (DC), in interior wiring harness

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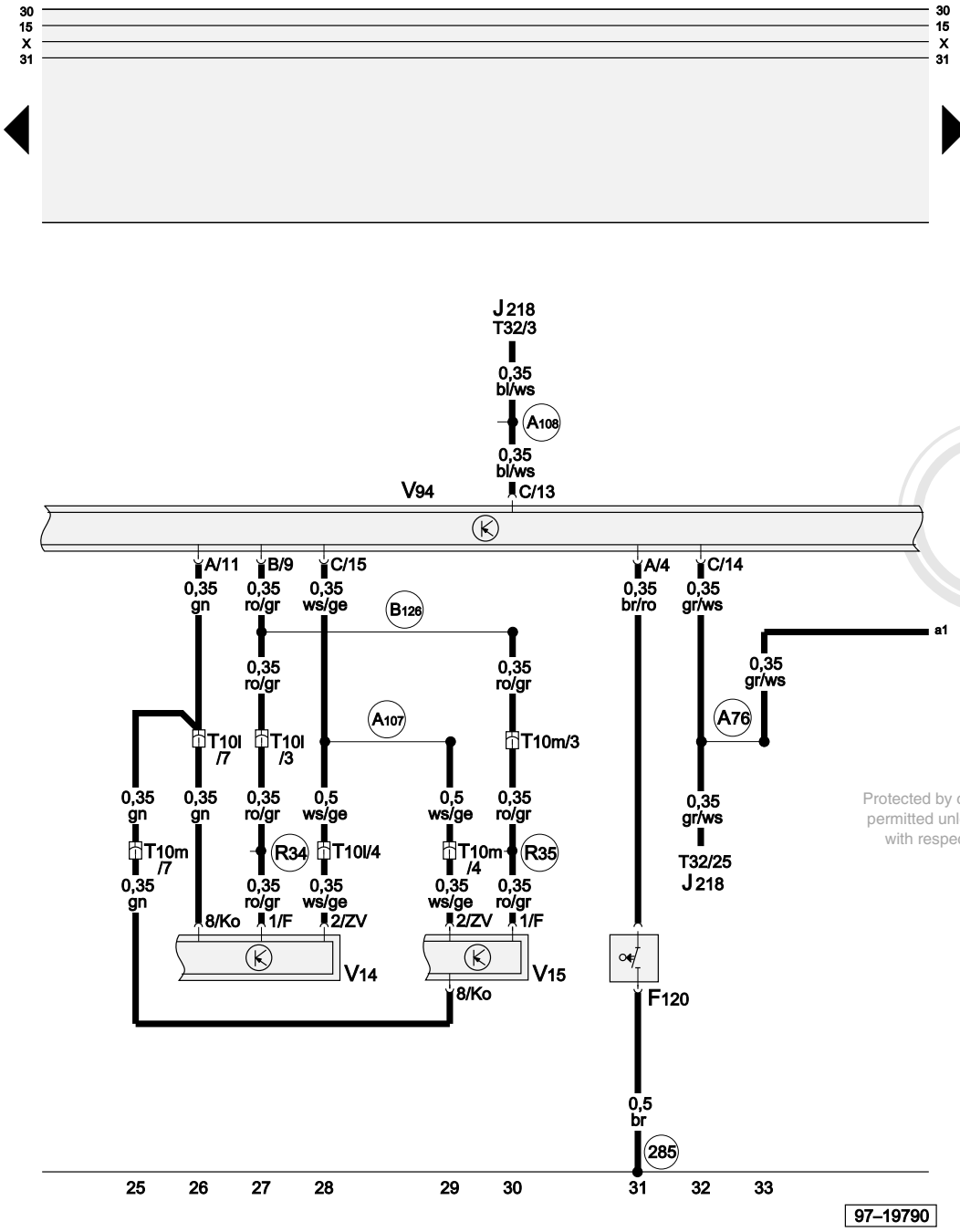


Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

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
R	Radio
T1	Single connector, brown, on radio
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
238	Earth connection -1-, in interior wiring harness
A126	Connection (tailgate/bootlid contact switch), in dash panel wiring harness

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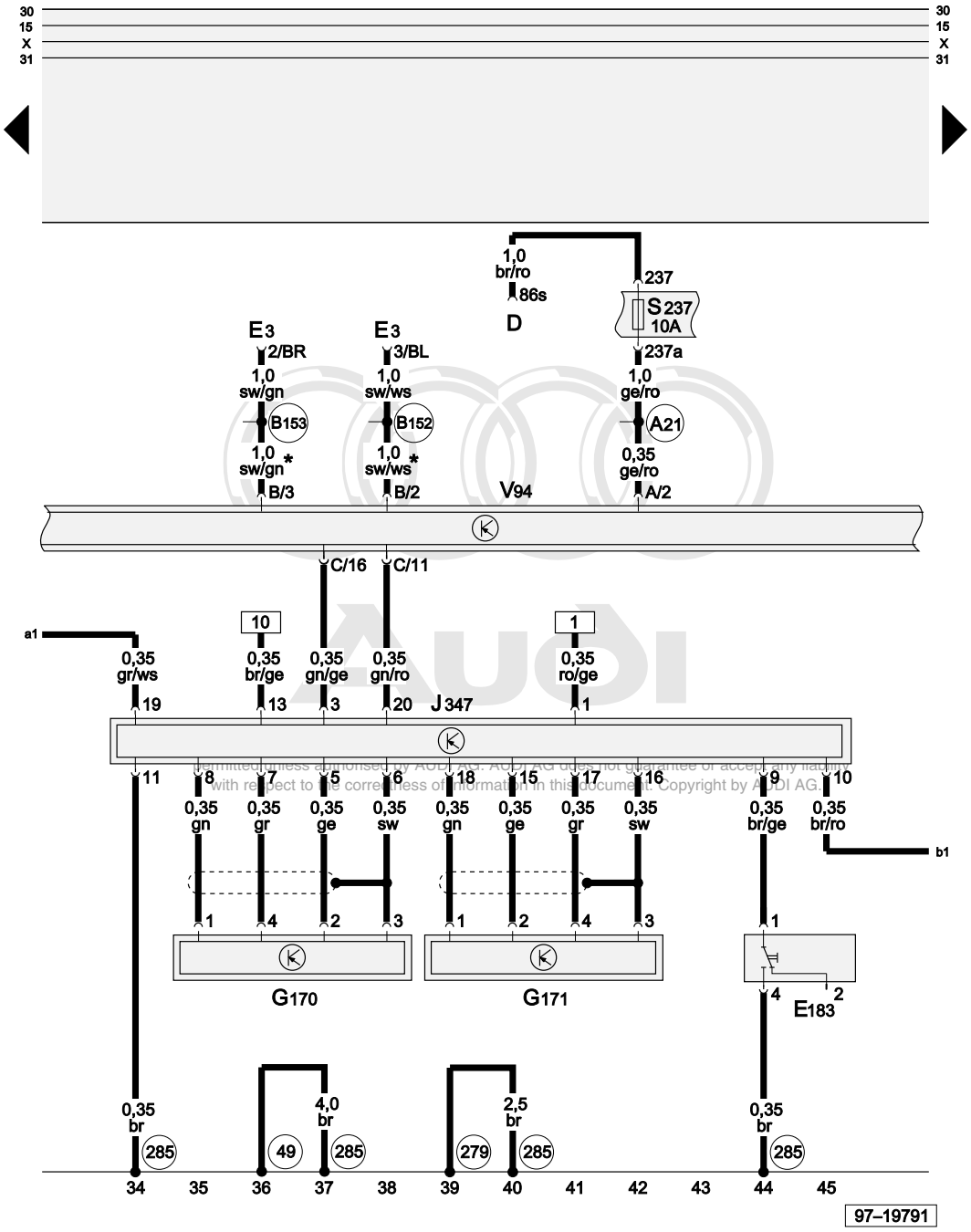


Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

F120	Anti-theft alarm system contact switch
J218	Combi-processor in dash panel insert
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, right
T32	32-pin connector, blue, on dash panel insert
V14	Electric window motor, left
V15	Electric window motor, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
285	Earth connection -7-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B126	Positive (+) connection (87, electric windows control unit), in electric window wiring harness
R34	Connection (87), in door wiring harness, driver's side
R35	Connection (87), in door wiring harness, front passenger's side

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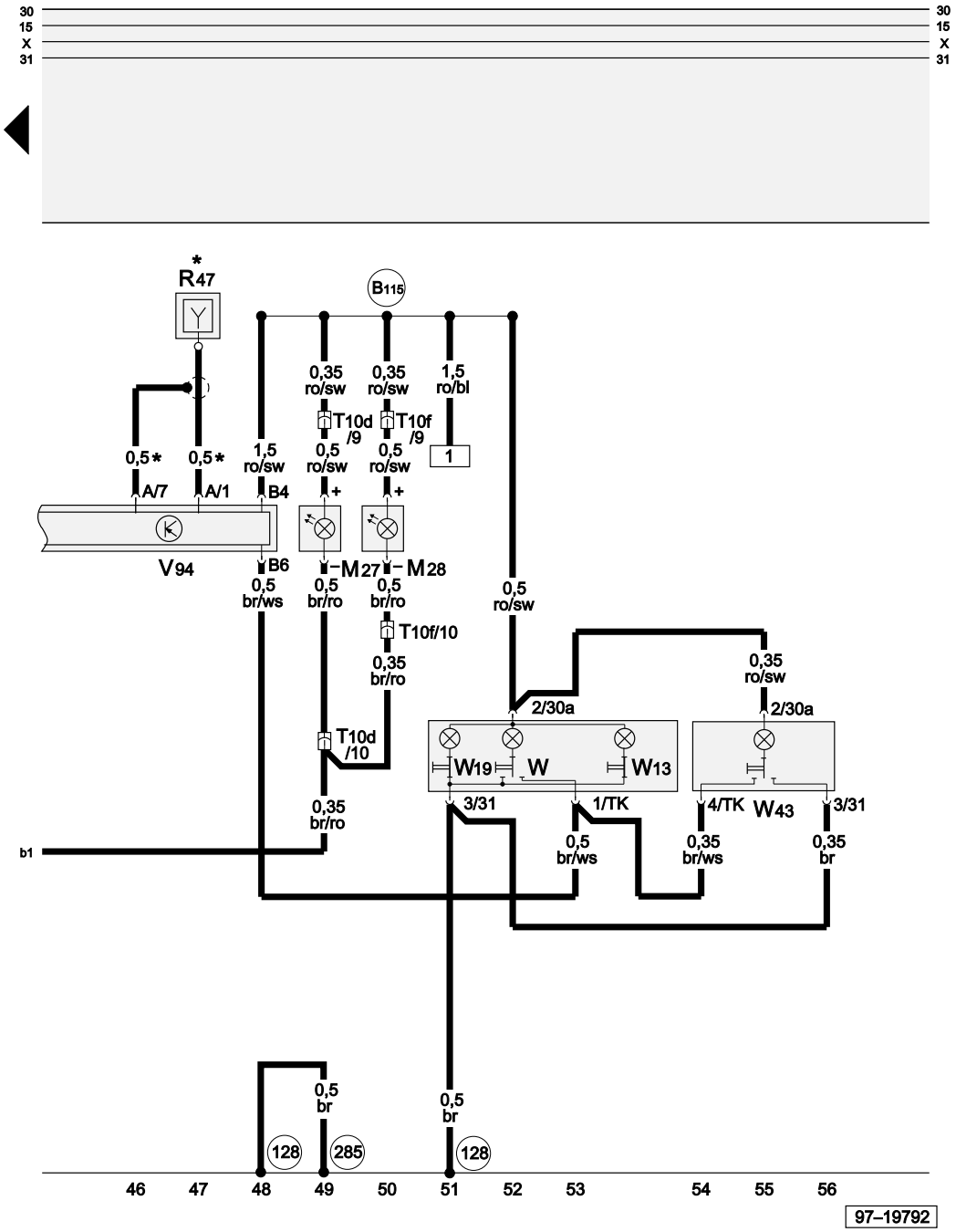


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gr = grey
li = purple
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or = orange
rs = pink

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
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
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
49	Earth point, next to steering columm, left
279	Earth connection -5-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A21	Connection (86s), in dash panel wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (TSR), in interior wiring harness
*	Applies to Swiss export version - confirmation of radio-operated remote control signal only

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

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
W13	Front passenger reading lamp
W19	Reading light, driver's side
W43	Rear interior light
128	Earth connection -1-, in interior light wiring harness
285	Earth connection -7-, in interior wiring harness
B115	Positive (+) connection (30, central electrics), in interior wiring harness
*	Only models with radio-operated remote control

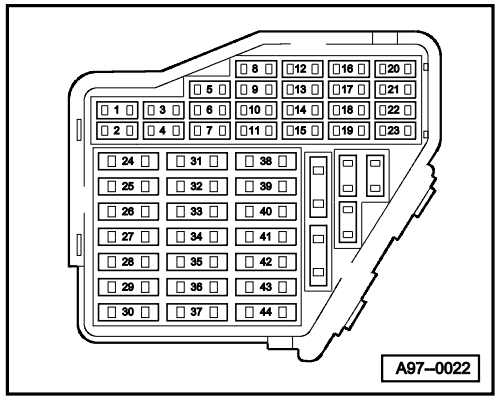
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or	=	orange
rs	=	pink

Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

From model year 1998

Fuse box:

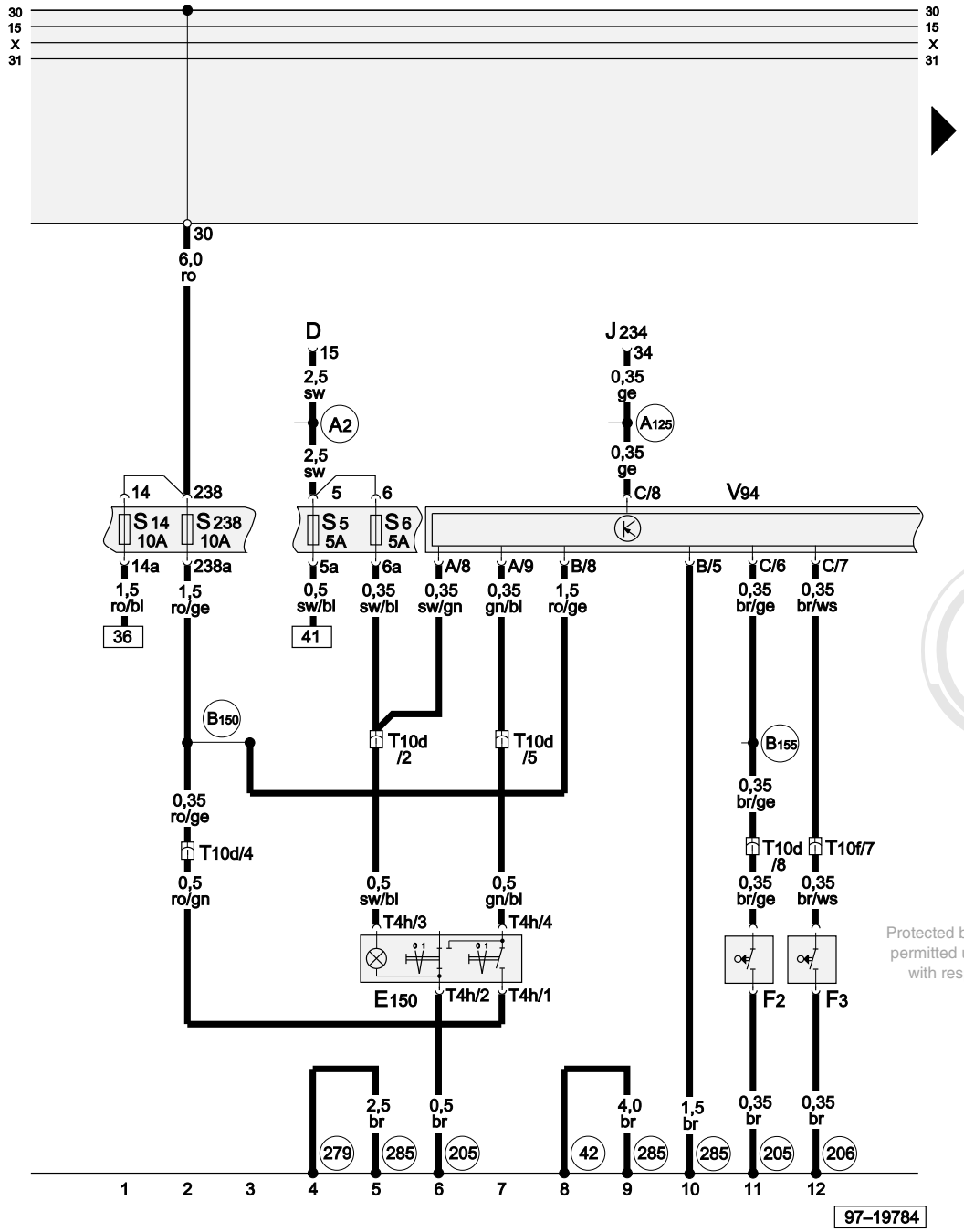


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

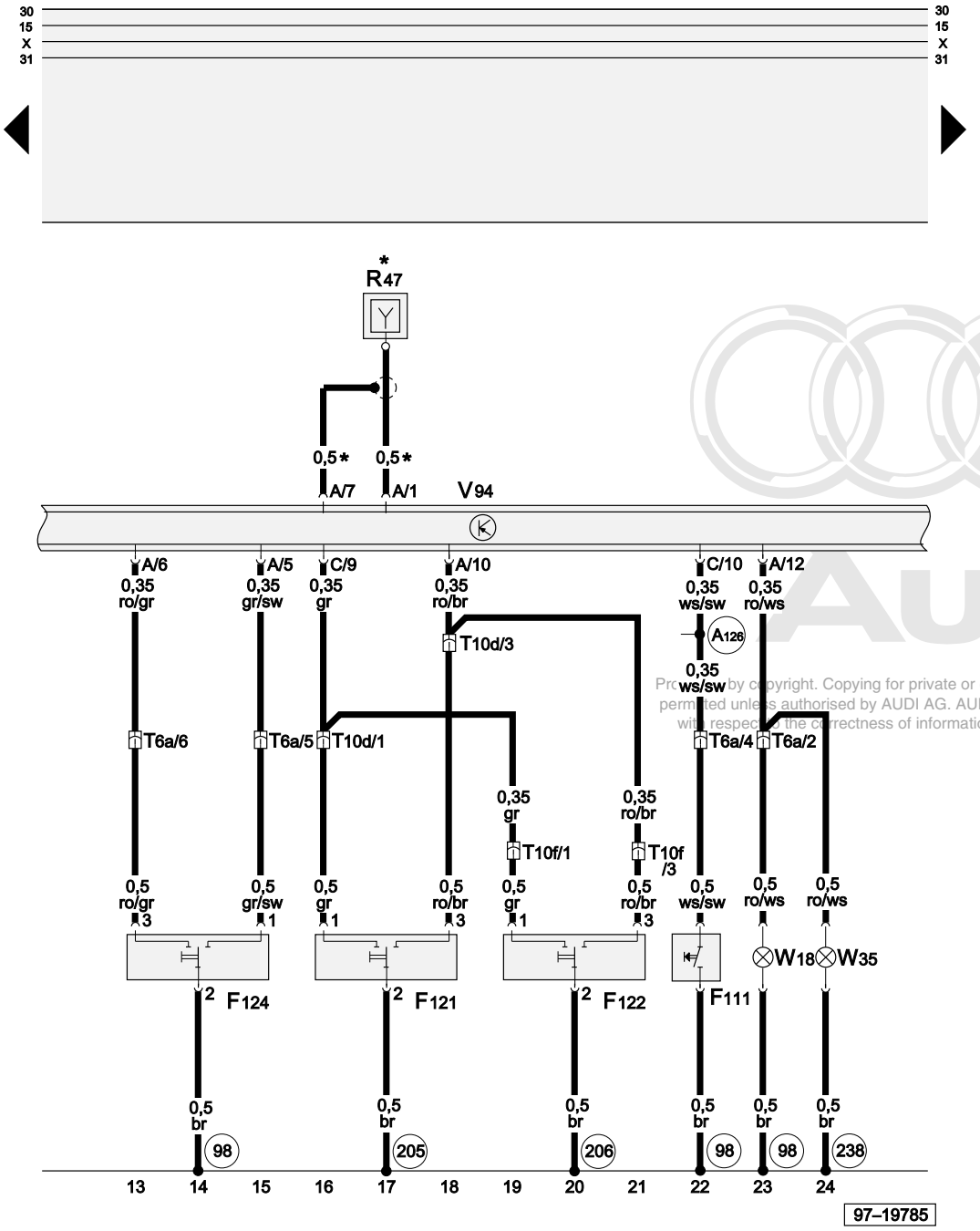


Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

D	Ignition/starter switch
E150	Interior locking switch, driver's side
F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
J234	Airbag control unit
T4h	4-pin connector, black, 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
49	Earth point, next to steering columm, left
205	Earth connection, in door wiring harness - driver's side
206	Earth connection, in door wiring harness - front passenger's side
279	Earth connection -5-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
B155	Positive (+) connection -2- (DC), in interior wiring harness

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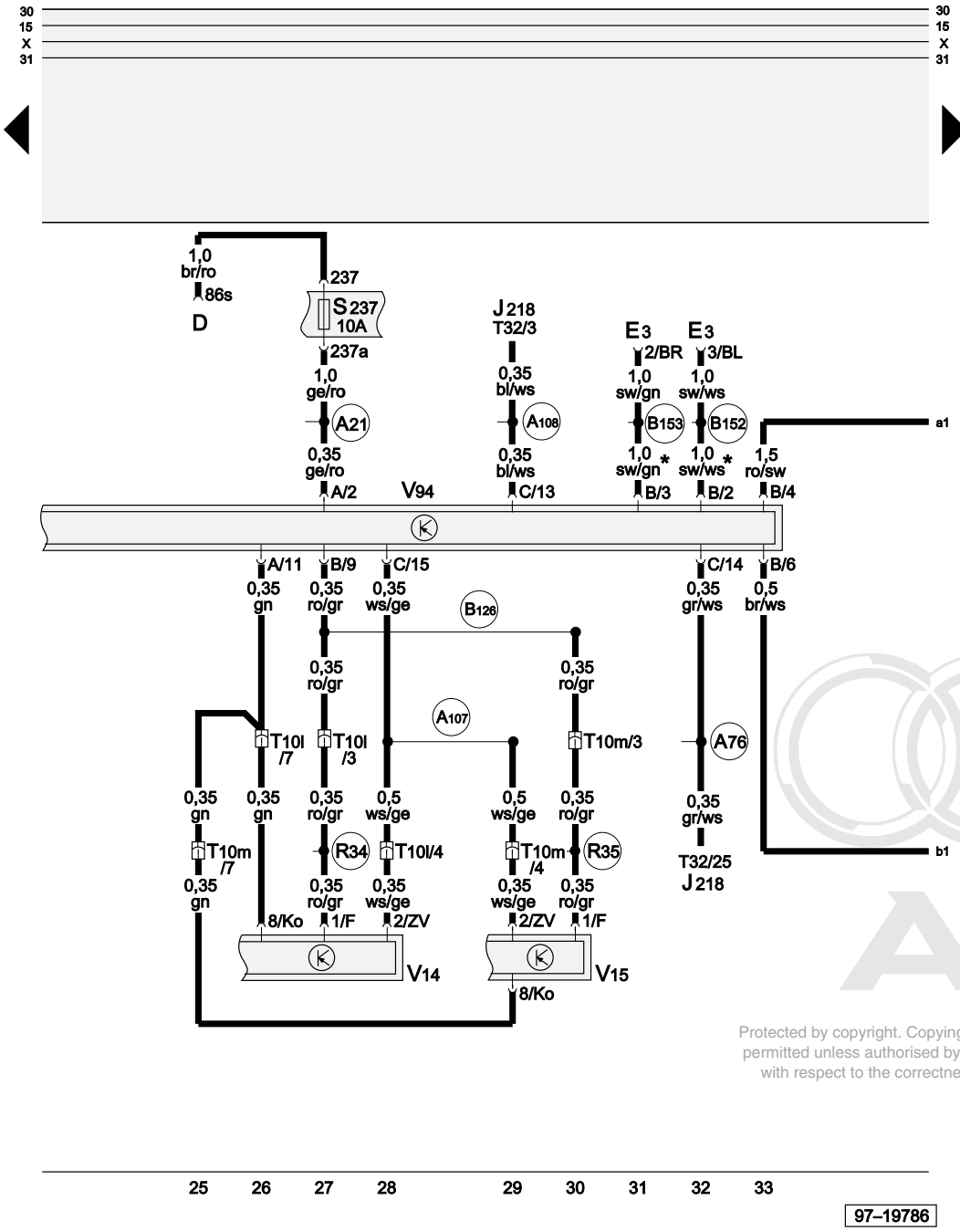
ws = white
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gn = green
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

F111	Tailgate/boot lid contact switch
F121	Driver's door handle switch for anti-theft alarm system
F122	Front passenger's door handle switch for anti-theft alarm system
F124	Contact switch in lock cylinder
R47	Central locking and anti-theft alarm system aerial
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
238	Earth connection -1-, in interior wiring harness
A126	Connection (tailgate/bootlid contact switch), in dash panel wiring harness

* Only models with radio-operated remote control

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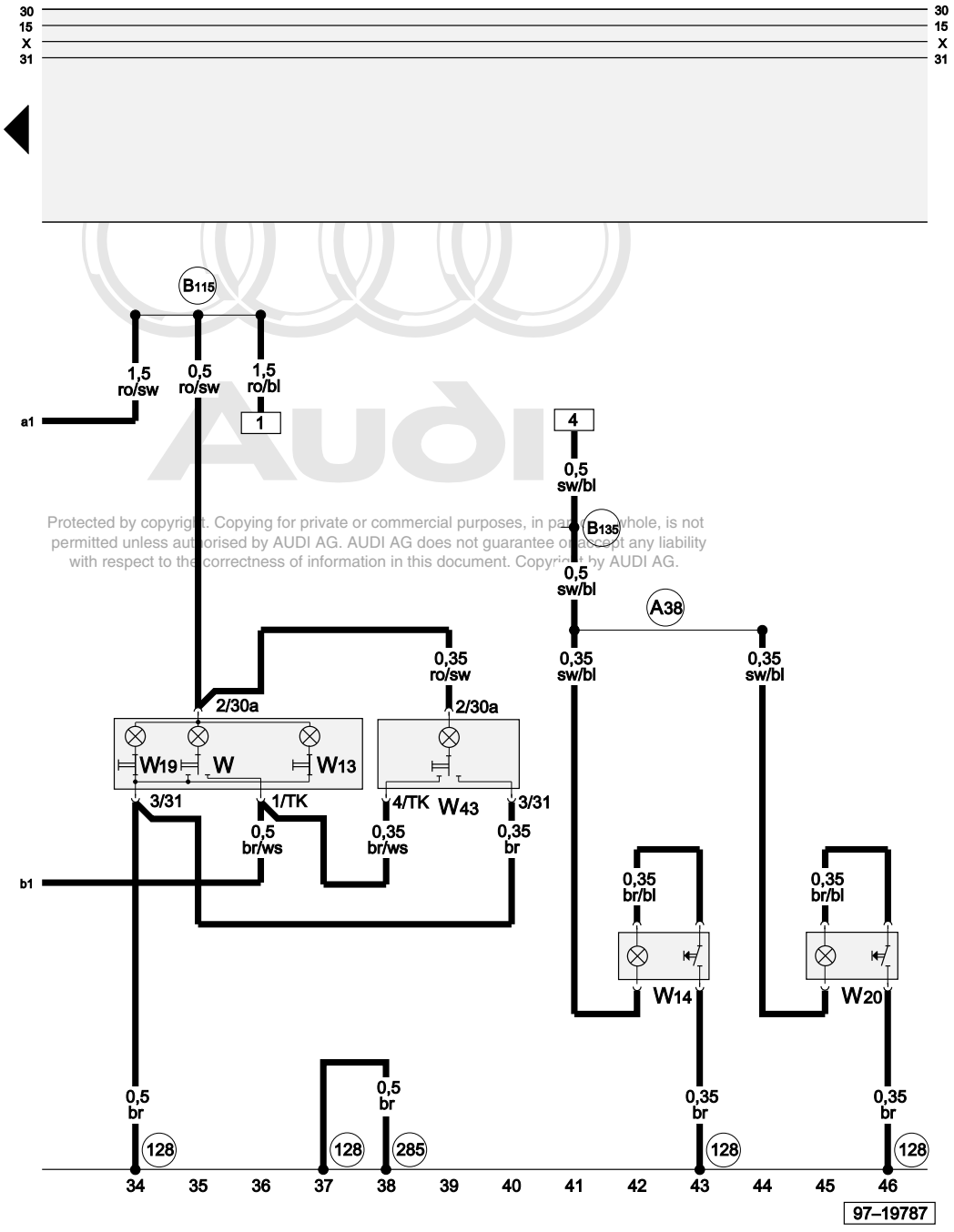


Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

D	Ignition/starter switch
E3	Hazard warning light switch
J218	Combi-processor in dash panel insert
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, right
T32	32-pin connector, blue, on dash panel insert
V14	Electric window motor, left
V15	Electric window motor, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
A21	Connection (86s), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B126	Positive (+) connection (87, electric windows control unit), in electric window wiring harness
R34	Connection (87), in door wiring harness, driver's side
R35	Connection (87), in door wiring harness, front passenger's side
B152	Connection (TSL), in interior wiring harness
B153	Connection (TSR), in interior wiring harness
*	Applies to Swiss export version - confirmation of radio-operated remote control signal only

ws = white
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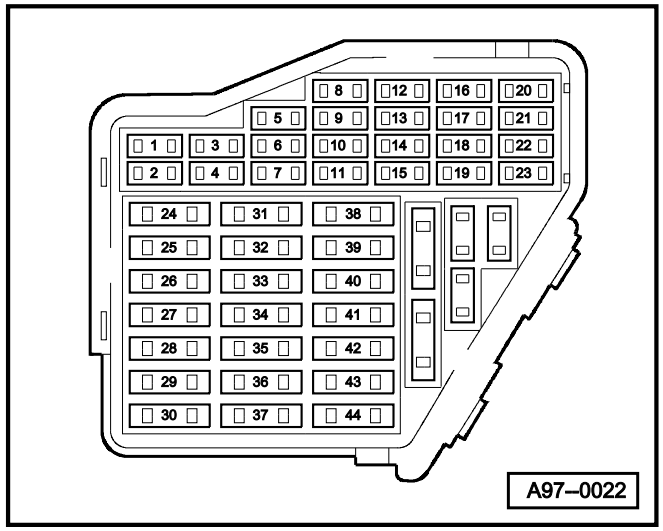
Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

W	Interior light, front
W13	Front passenger reading lamp
W14	Illuminated make-up mirror, front passenger's side
W19	Reading light, driver's side
W20	Illuminated make-up mirror, front driver's side
W43	Rear interior light
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
B135	Connection -1- (15a), in interior wiring harness

Driver information system

From model year 1998

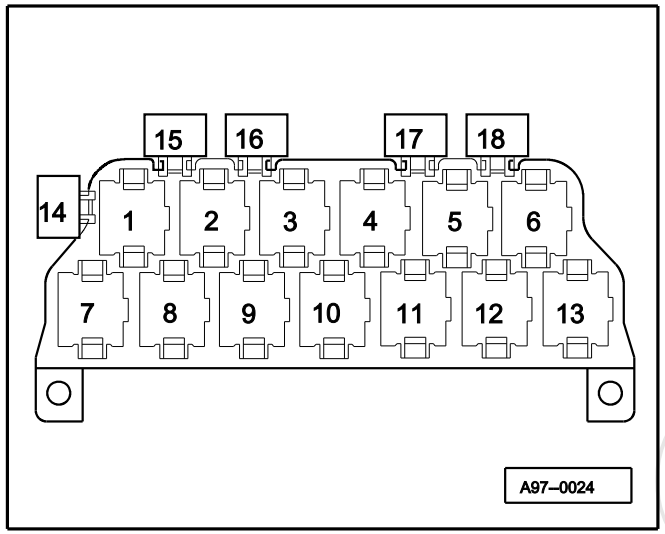
Fuse box:



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:



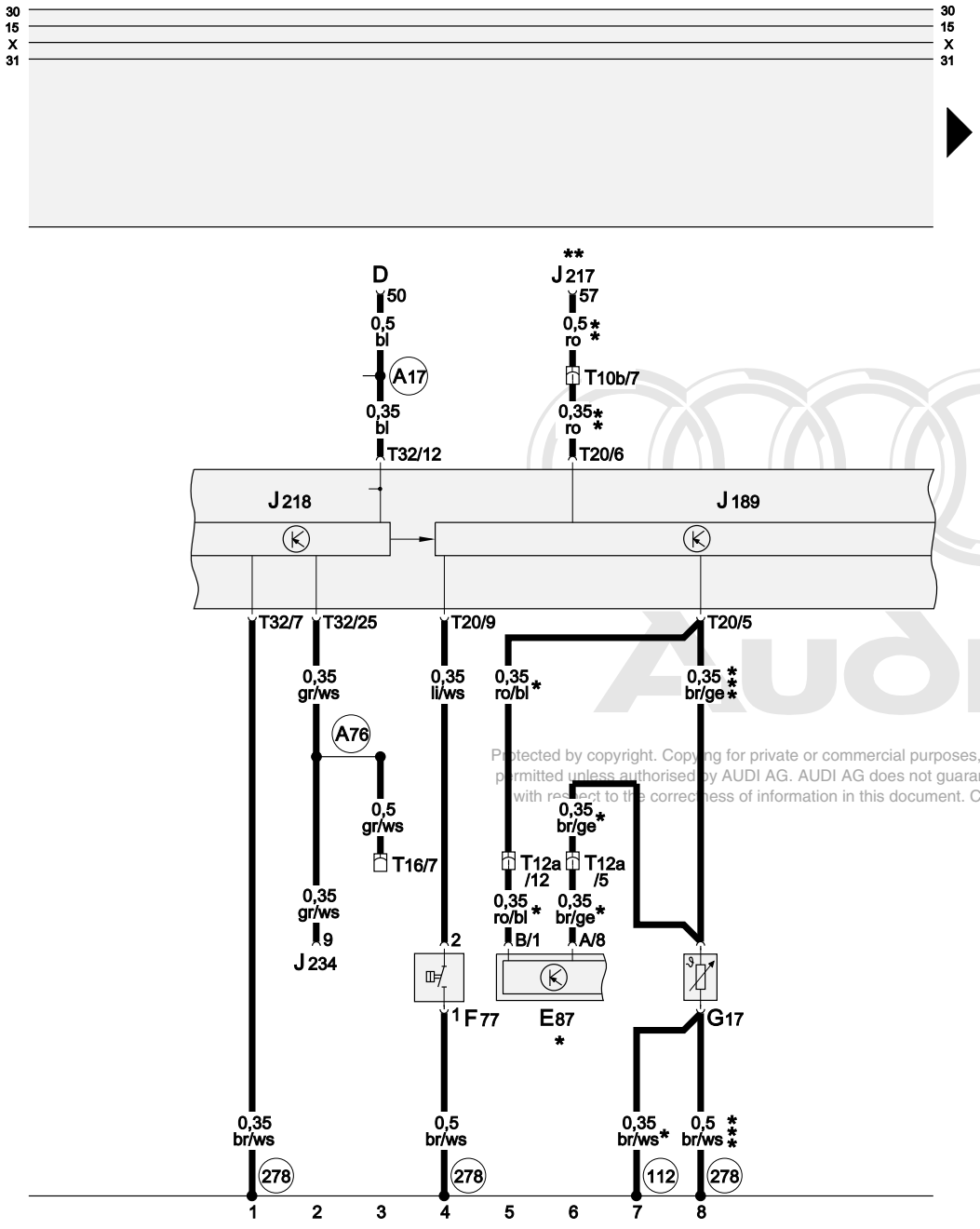
Position of relays:

2 - Bulb monitoring device
3 - Bulb monitoring device

Fuse colours

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

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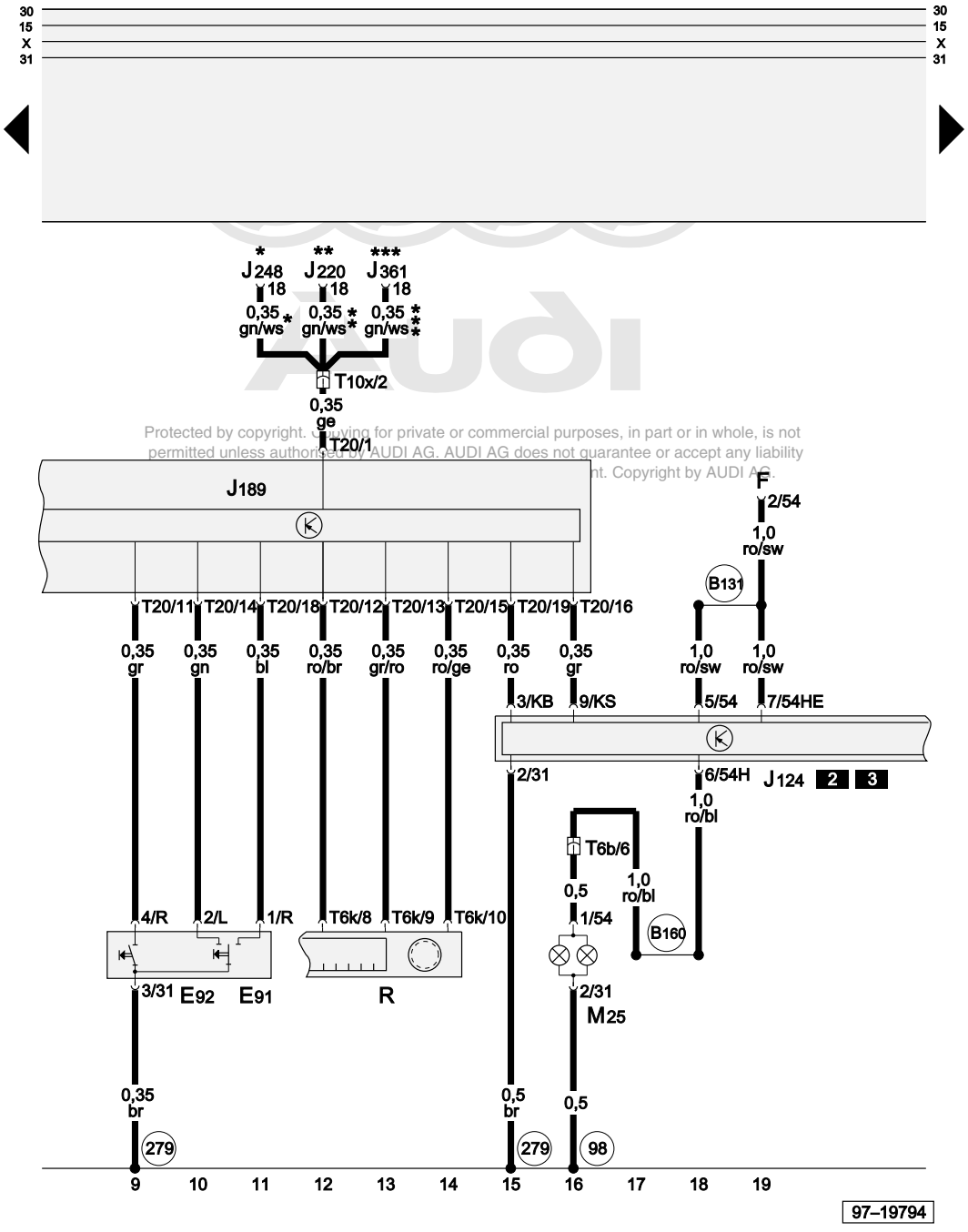


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

On-board computer with auto-check system, ambient temperature indicator, washer fluid level indicator

D	Ignition/starter switch
E87	Control and display unit for air conditioner
F77	Windscreen washer fluid warning contact
G17	Ambient temperature sensor
J189	Auto-check system
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
J234	Airbag control unit
T10b	10-pin connector, grey, in plenum chamber
T12a	12-pin connector, behind dash panel, right
T16	16-pin connector, black, centre console compartment
T20	20-pin connector, red, on dash panel insert
T32	32-pin connector, blue, on dash panel insert
112	Earth connection -2-, in air conditioner wiring harness
278	Earth connection -4-, in interior wiring harness
A17	Connection (61), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
*	Only models with air conditioner
**	Only models with automatic gearbox
***	Does not apply to models with air conditioner

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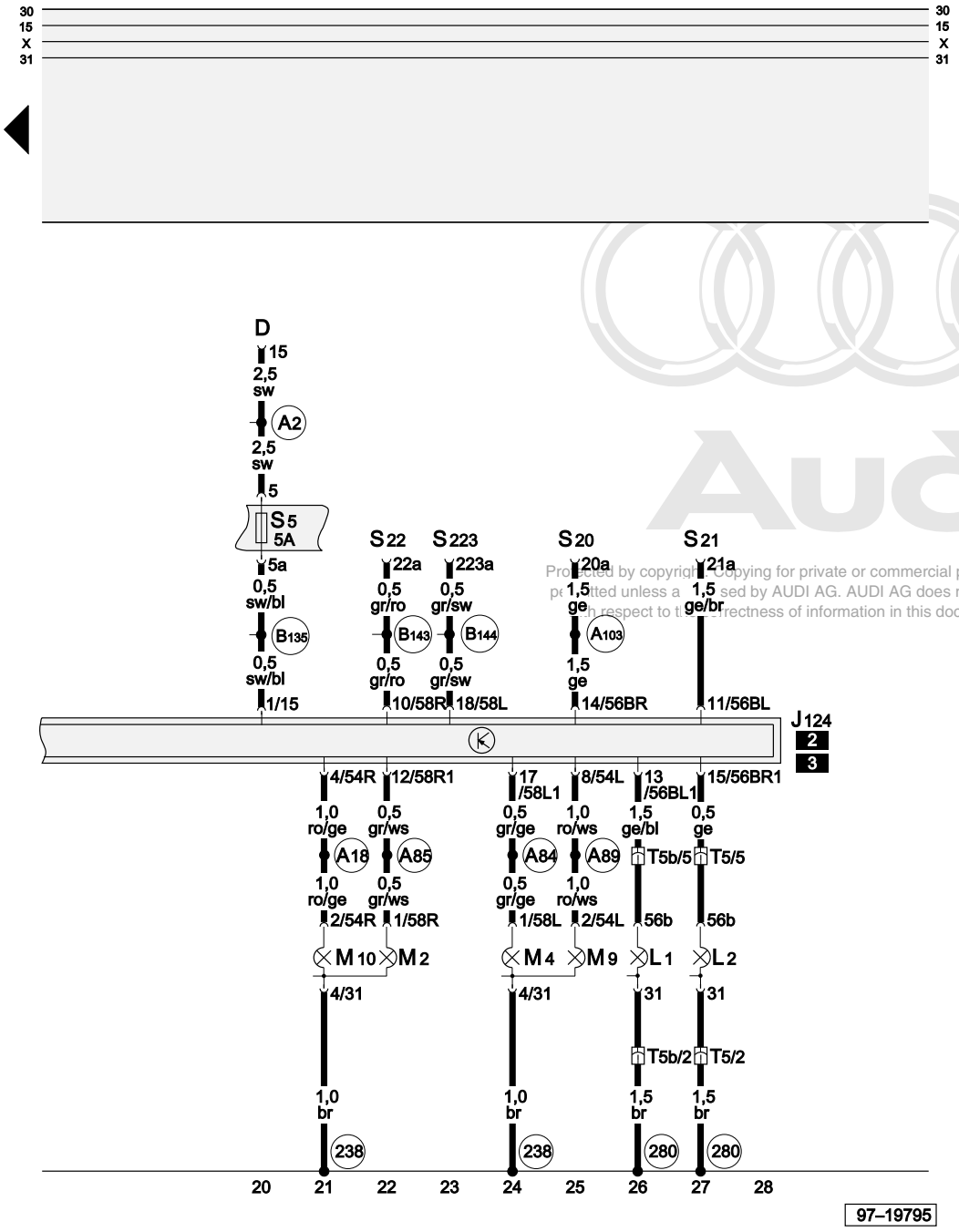


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On-board computer with auto-check system

E91	Function selection switch
E92	Reset button
F	Brake light switch
J124	Bulb monitoring device, rear
J189	Auto-check system
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos control unit
M25	High level brake light bulb
R	Radio
T6b	6-pin connector, blue, in luggage compartment, left
T6k	6-pin connector, on radio
T10x	10-pin connector, orange, in plenum chamber
T20	20-pin connector, red, on dash panel insert
98	Earth connection, in tailgate/boot lid wiring harness
279	Earth connection -5-, in interior wiring harness
B131	Connection (54), in interior wiring harness
B160	Connection (brake system monitoring), in interior wiring harness
*	Applies to engine codes AGR, ALH and AHF only
**	Applies to engine codes AGN and AGU only
***	Applies to engine codes AEH and AKL only

ws	=	white
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Bulb monitoring device, rear

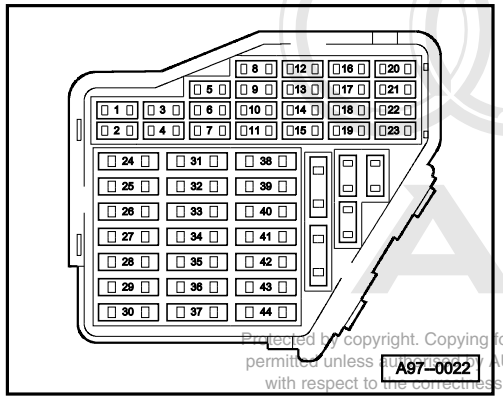
D	Ignition/starter switch
J124	Bulb monitoring device, rear
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M2	Tail light bulb, right
M4	Tail light bulb, left
M9	Brake light bulb, left
M10	Brake light bulb, right
T5	5-pin connector, on headlight, right
T5b	5-pin connector, on headlight, left
238	Earth connection -1-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A18	Connection (54), in dash panel wiring harness
A84	Connection (58L), in dash panel wiring harness
A85	Connection (58R), in dash panel wiring harness
A89	Connection (54), in dash panel wiring harness
A103	Connection -2- (56), in dash panel wiring harness
B135	Connection (15a), in interior wiring harness
B143	Positive (+) connection (58R), in interior wiring harness
B144	Positive (+) connection (58L), in interior wiring harness

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Telephone AEG (D-network), without navigation system

From model year 1998

Fuse box:

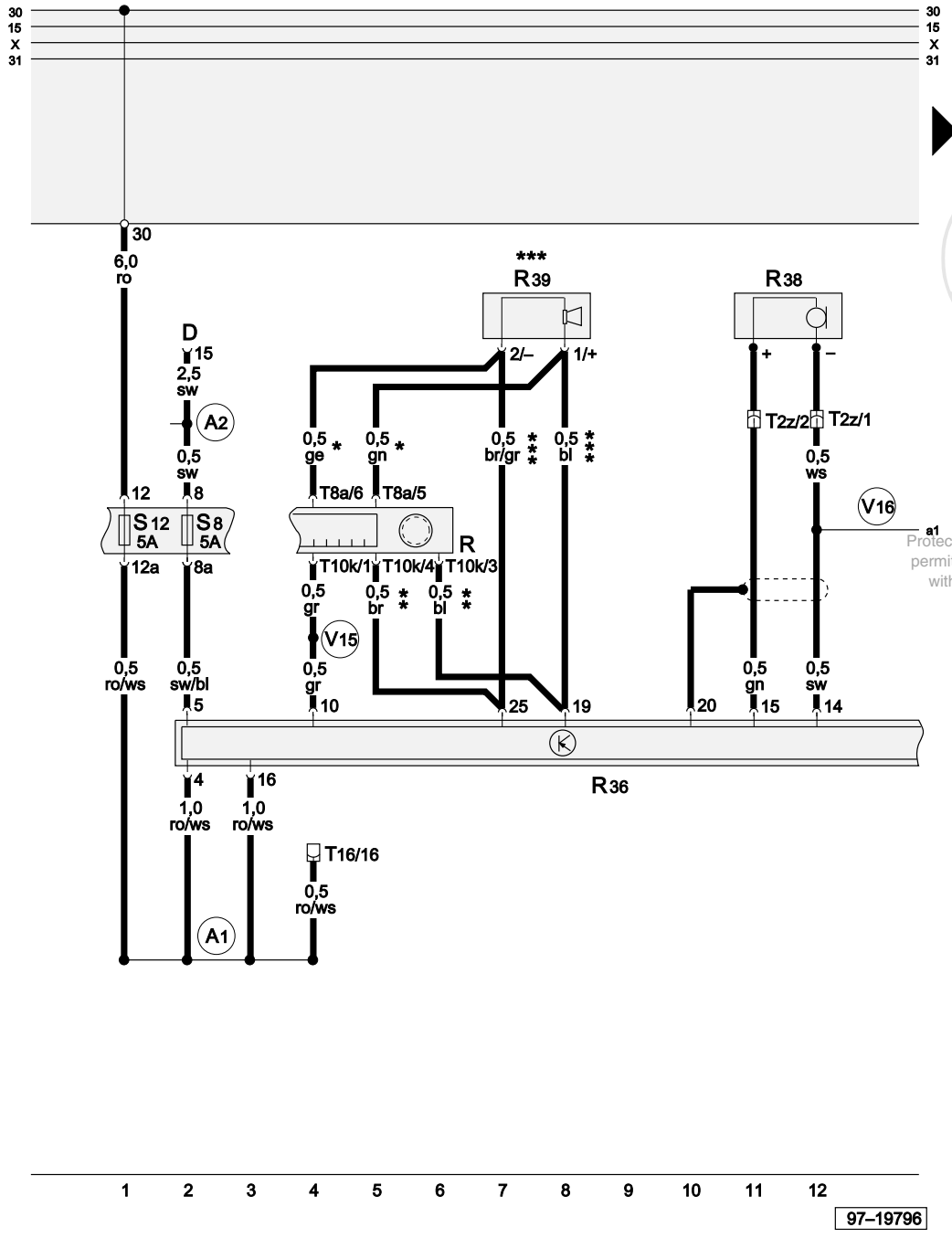


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Fuse colours

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



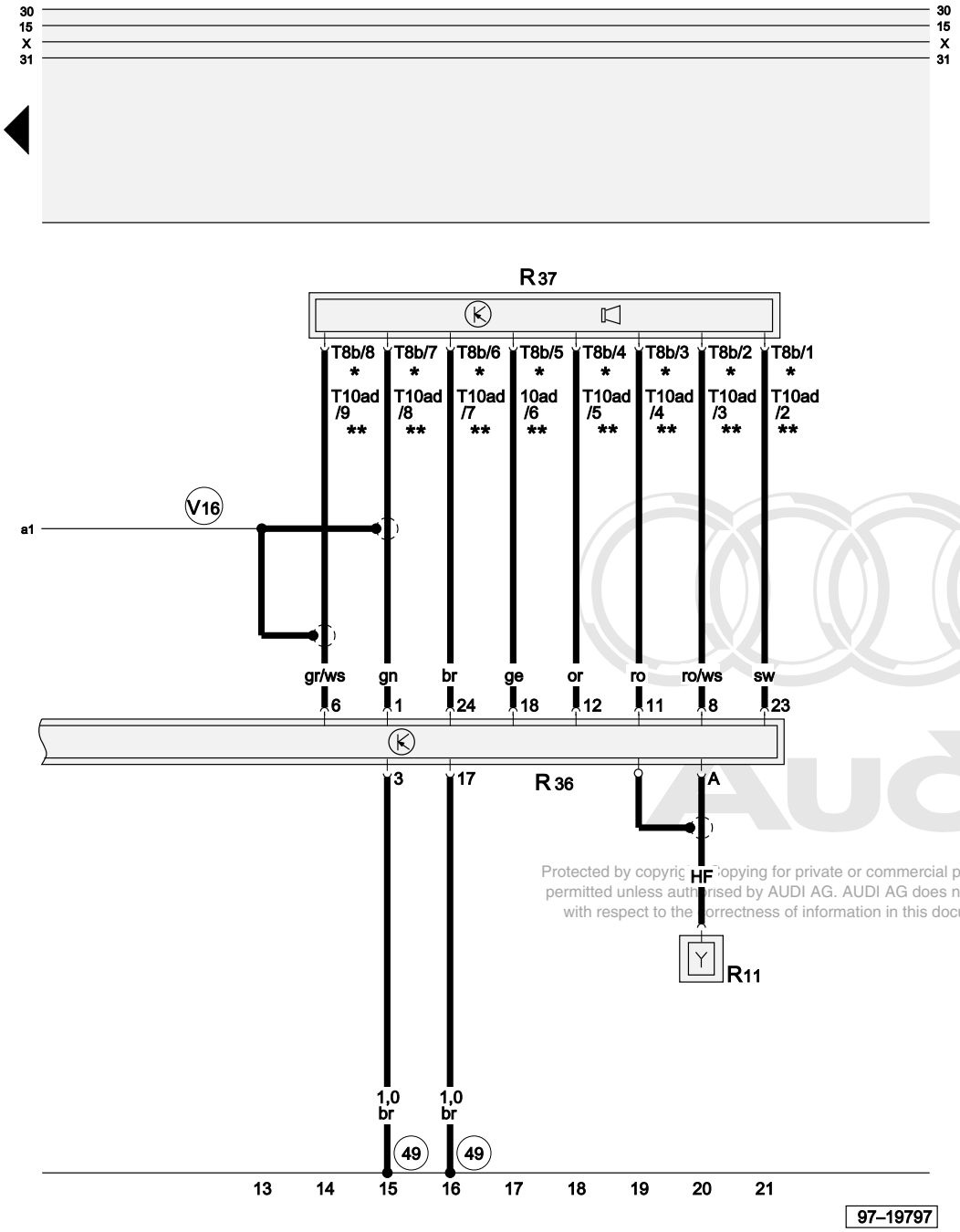
Telephone AEG (D-network), without navigation system

D	Ignition/starter switch
R	Radio
R36	Telephone transmitter and receiver unit
R38	Telephone microphone
R39	Loudspeaker for telephone
T2z	2-pin connector, at A pillar, left
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T16	16-pin connector, black, centre console compartment (diagnosis connector)
A1	Positive (+) connection (30a), in dash panel wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
V15	Connection , in telephone wiring harness
V16	Connection (screening), in telephone wiring harness

* Only models with radio Bose sound system
** Only models with radio
*** Does not apply to models with radio

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



Telephone AEG (D-network), without navigation system

R11	Aerial
R36	Telephone transmitter and receiver unit
R37	Telephone handset
T8b	8-pin connector, in centre console
T10ad	10-pin connector, in centre console
49	Earth point, next to steering columm, left
V16	Connection (screening), in telephone wiring harness
*	Applicable up 1999 model year only
**	Applicable from model year 2000

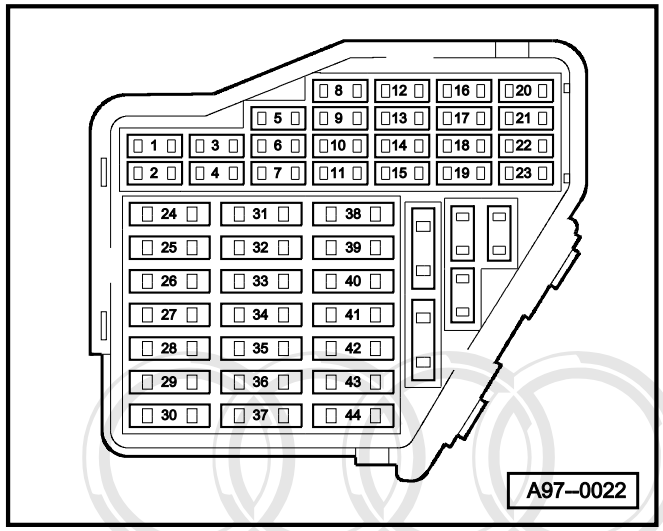
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Telephone AEG (D-network), with navigation system

From model year 1998

Fuse box:

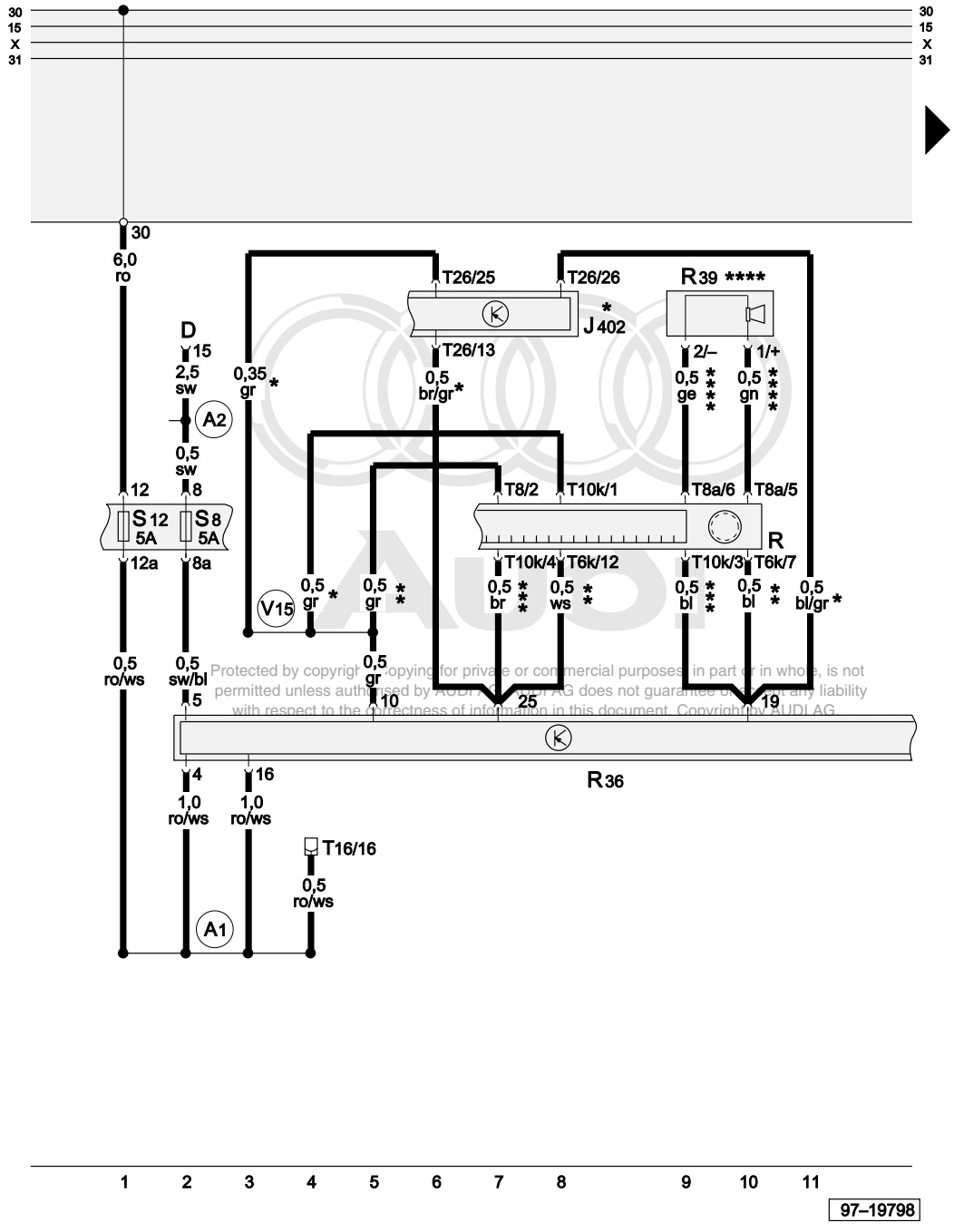


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

Audi
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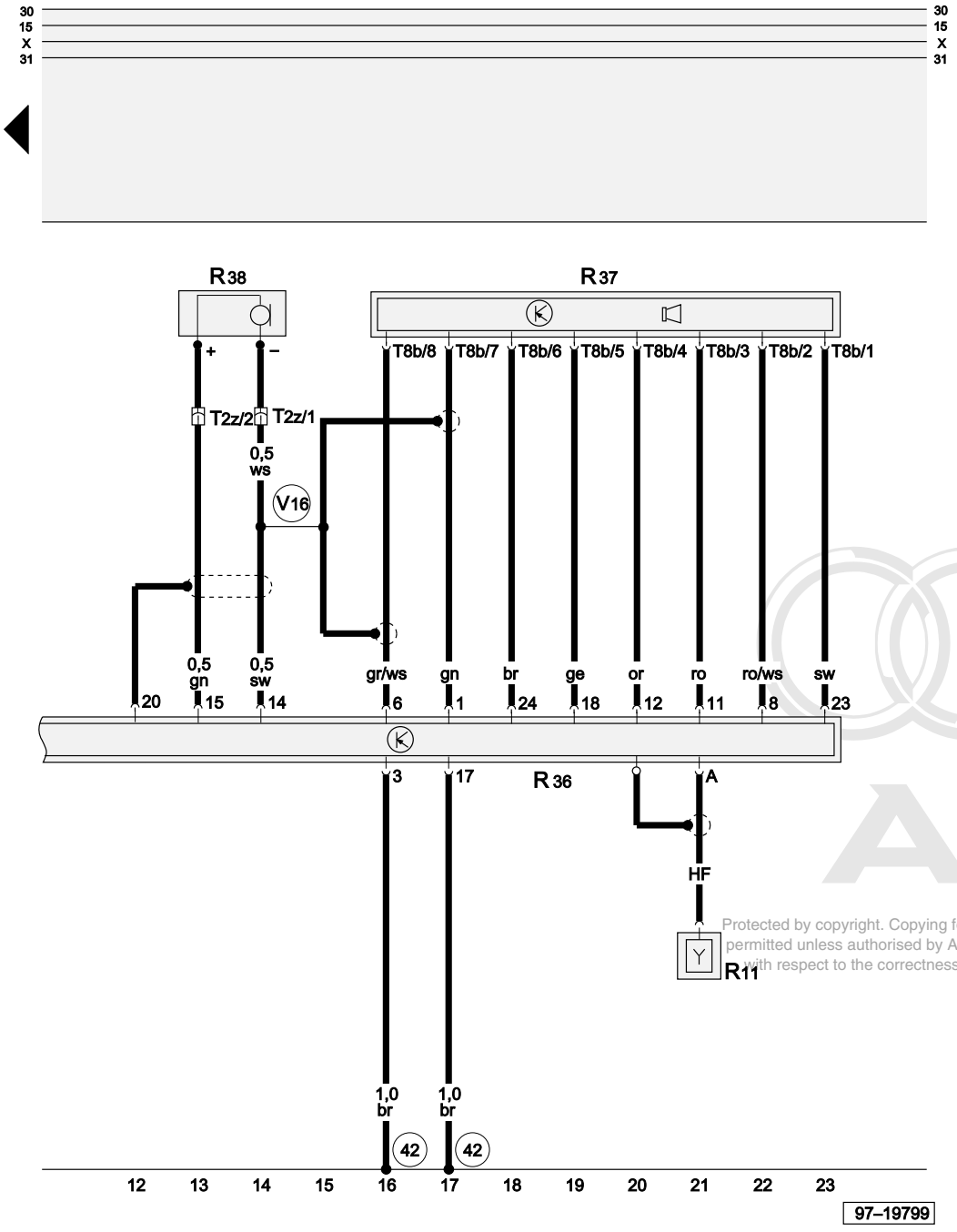


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or = orange
rs = pink

Telephone AEG (D-network), with navigation system

D	Ignition/starter switch
J402	Operating electronics control unit, navigation
R	Radio
R36	Telephone transmitter and receiver unit
R39	Loudspeaker for telephone
T6k	6-pin connector, on radio
T8	8-pin connector, near radio
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T26	26-pin connector, on operating electronics control unit, navigation
A1	Positive (+) connection (30a), in dash panel wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
V15	Connection, in telephone wiring harness
V16	Connection (screening), in telephone wiring harness
*	Only models with navigation system (display in instrument cluster)
**	Only models with navigation system (colour screen)
***	Only models with radio
****	Only models with radio Bose sound system



Telephone AEG (D-network), with navigation system

R11	Aerial
R36	Telephone transmitter and receiver unit
R37	Telephone handset
R38	Telephone microphone
T2z	2-pin connector, at A pillar, left
T8b	8-pin connector, in centre console
42	Earth point, next to steering columm
V16	Connection (screening), in telephone wiring harness

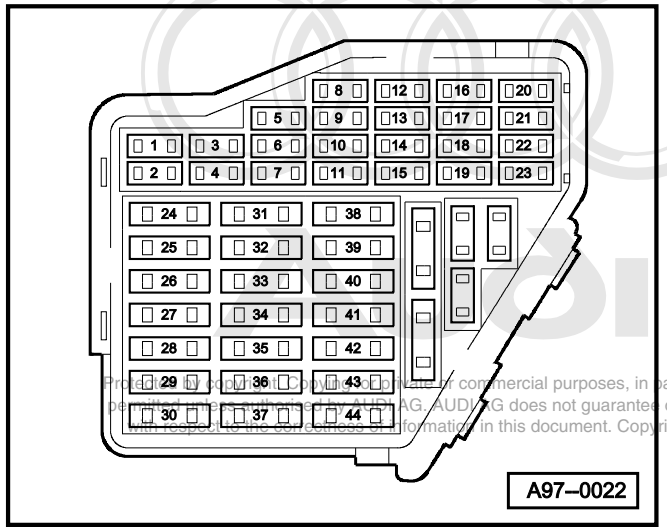
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Headlight washer system

From model year 1998

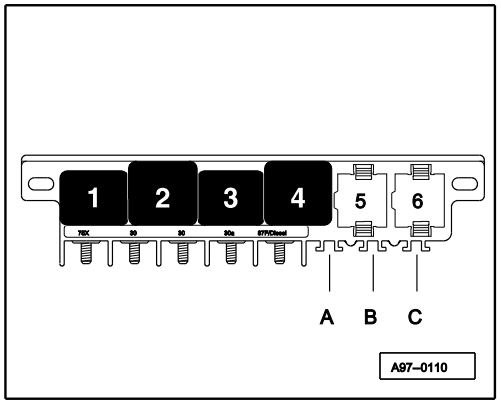
Fuse box:



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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.

Micro-central electrics:



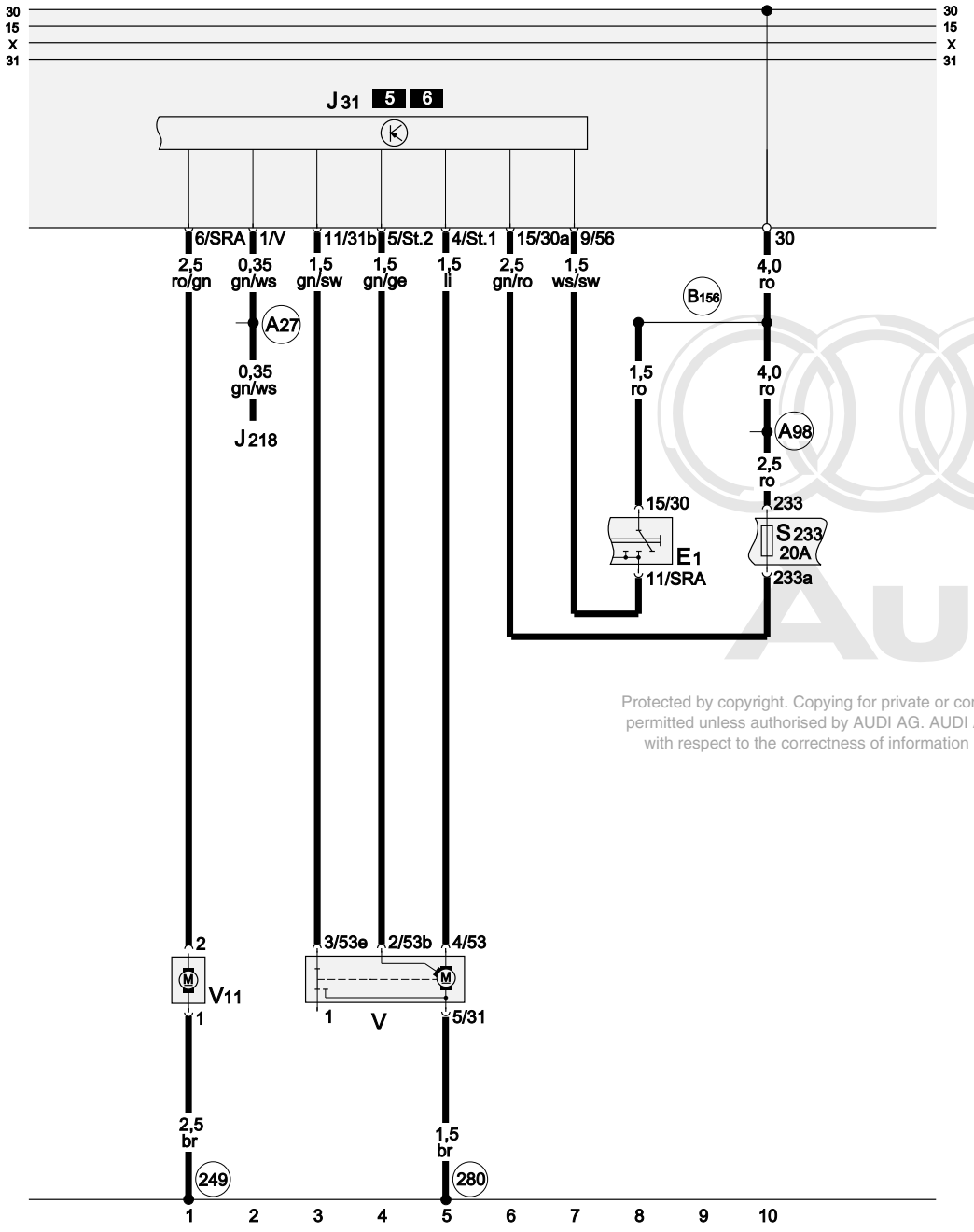
Position of relays:

5,6 - Automatic intermittent wash/wipe relay

Fuse colours

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

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Headlight washer system

E1	Lighting switch
J31	Automatic intermittent wash/wipe relay
J218	Combi-processor in dash panel insert
V	Windscreen wiper motor
V11	Headlight washer system pump
249	Earth connection -2-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

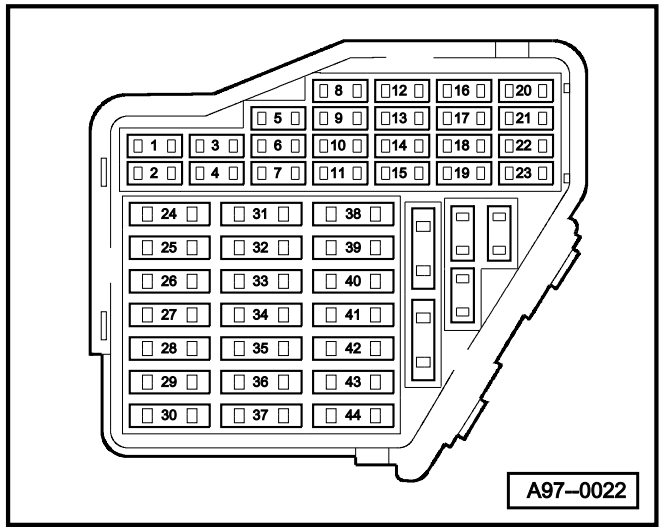
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gr	=	grey
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or	=	orange
rs	=	pink

Mobile telephone, without navigation system

From model year 1998

Fuse box:

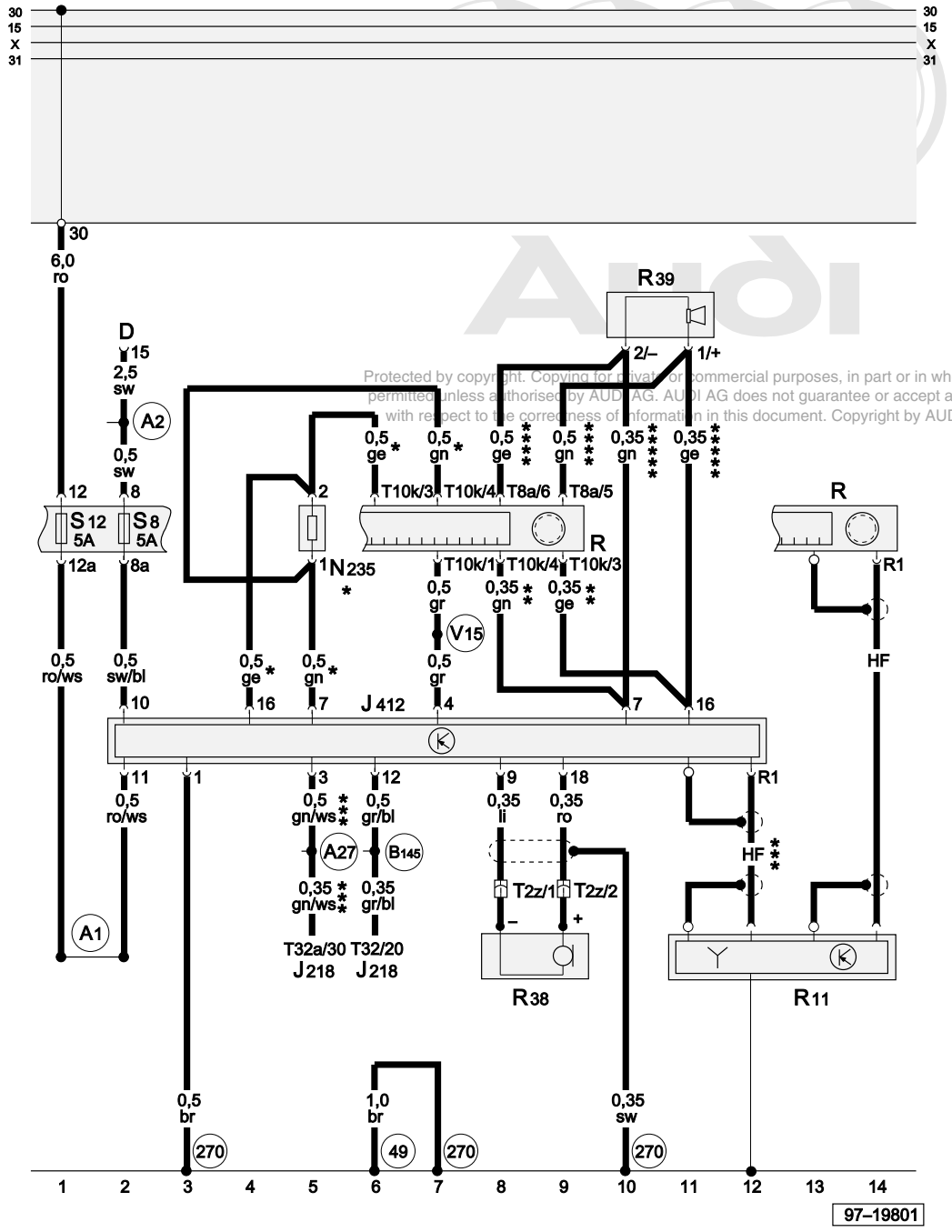


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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

Mobile telephone, without navigation system

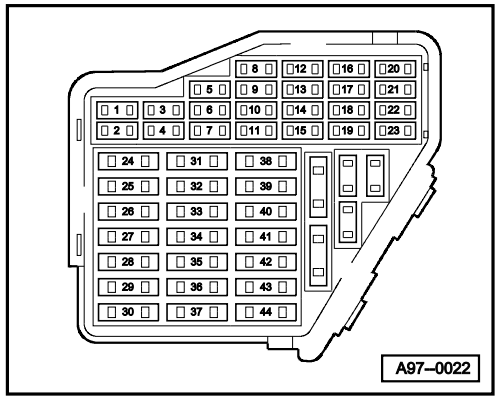
D	Ignition/starter switch
J218	Combi-processor in dash panel insert
J412	Operating electronics control unit, telephone
R	Radio
R11	Aerial
R38	Telephone microphone
R39	Loudspeaker for telephone
N235	Protection resistor
T2z	2-pin connector, at A pillar, left
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
49	Earth point, next to steering column, left
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
A27	Connection (speed signal), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
V15	Connection, in telephone wiring harness
*	Only models with radio (only with provision for mobile telephone)
**	Only models with radio (without provision for mobile telephone)
***	Applicable from 4/98
****	Only models with radio Bose sound system
*****	Does not apply to models with radio

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Mobile telephone, with navigation system

From model year 1998

Fuse box:

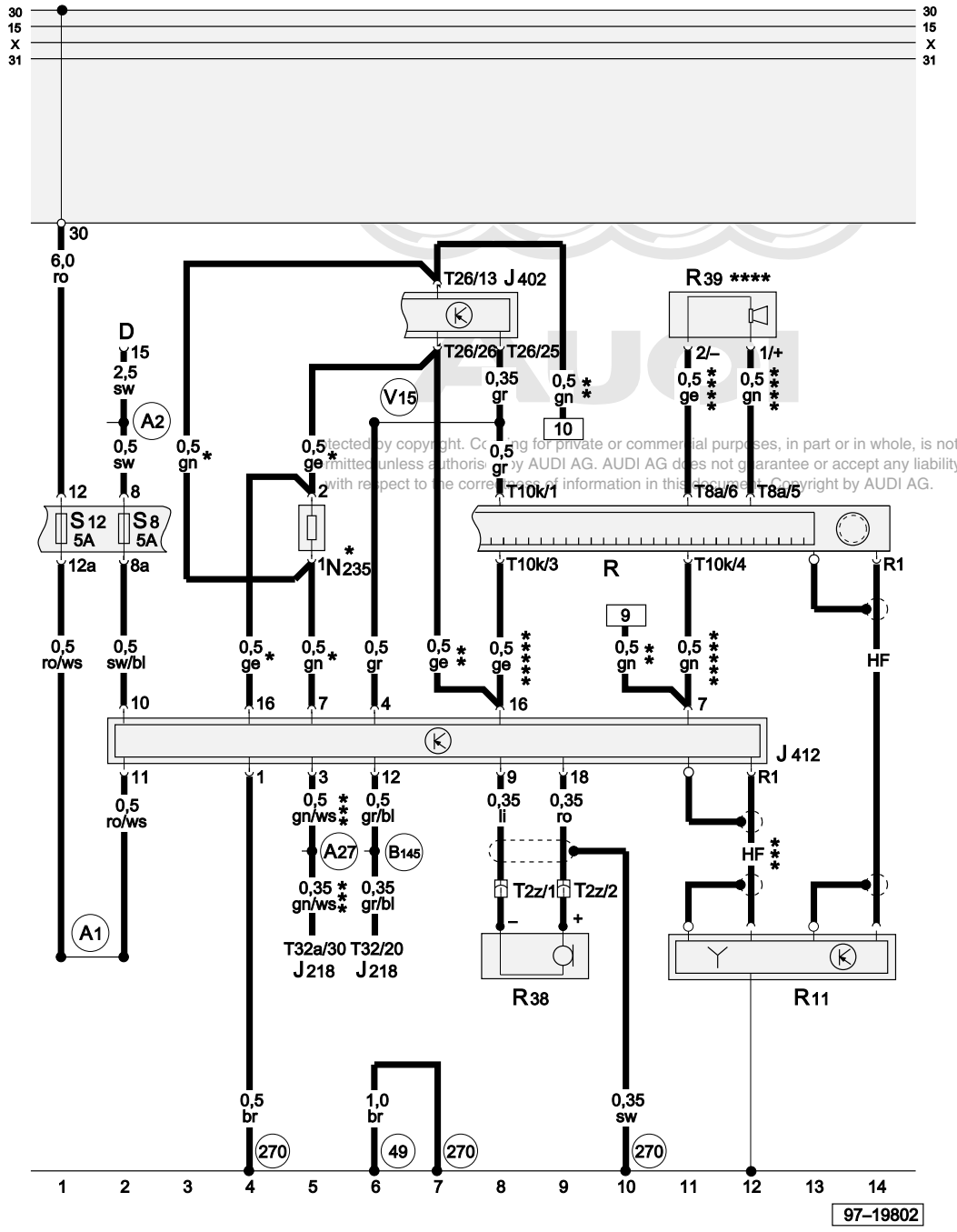


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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or = orange
rs = pink

Mobile telephone, with navigation system

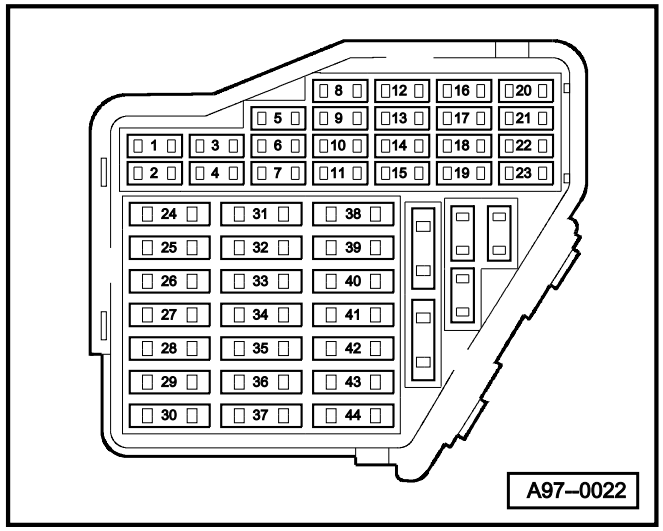
D	Ignition/starter switch
J218	Combi-processor in dash panel insert
J402	Operating electronics control unit, navigation
J412	Operating electronics control unit, telephone
N235	Protection resistor
R	Radio
R11	Aerial
R38	Telephone microphone
R39	Loudspeaker for telephone
T2z	2-pin connector, at A pillar, left
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
49	Earth point, next to steering columm, left
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
A27	Connection (speed signal), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
V15	Connection, in telephone wiring harness
*	Only with provision for mobile telephone
**	Without provision for mobile telephone
***	Applicable from 4/98
****	Only models with radio Bose sound system
*****	Only models with radio

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Parking aid

From model year 1998

Fuse box:

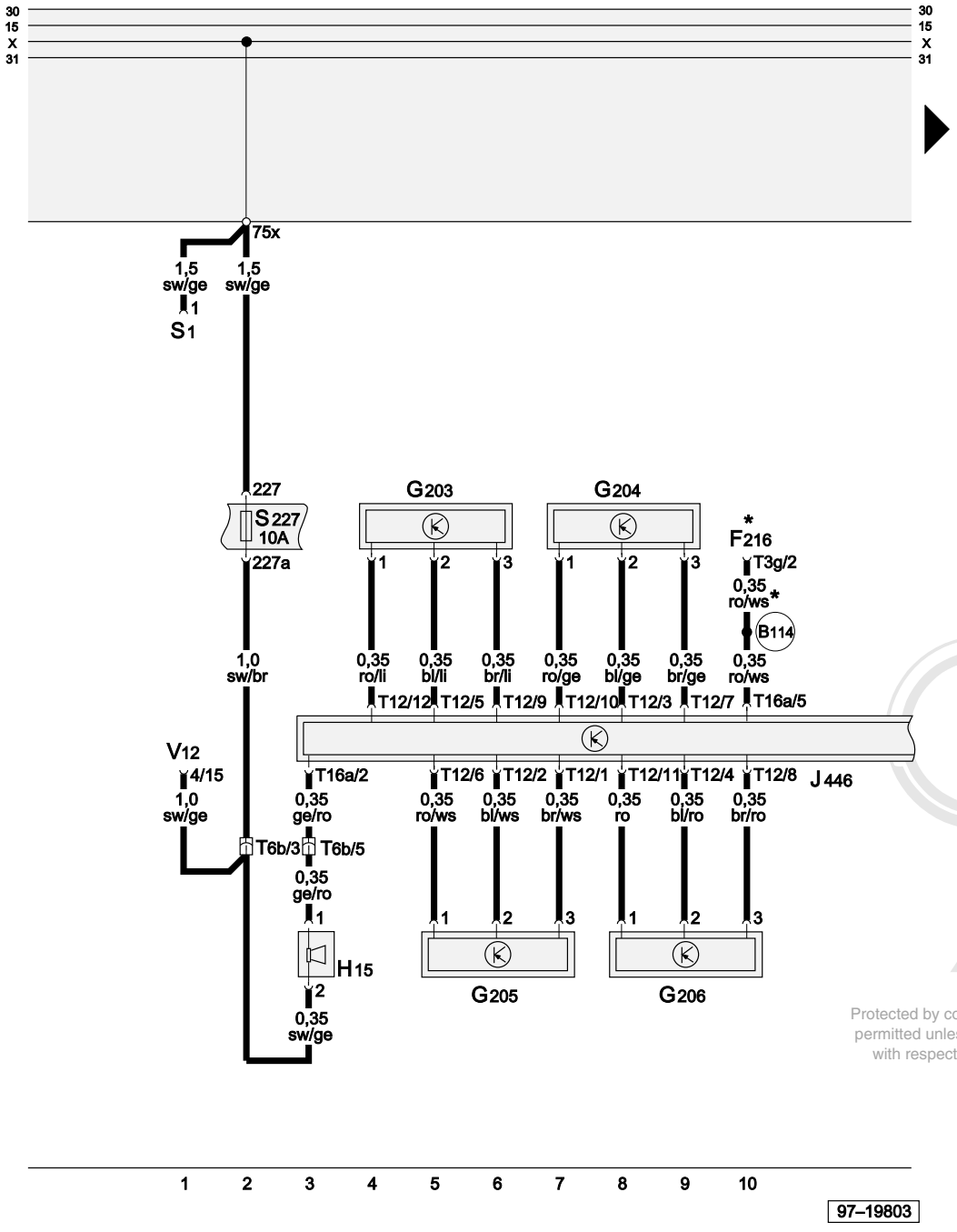


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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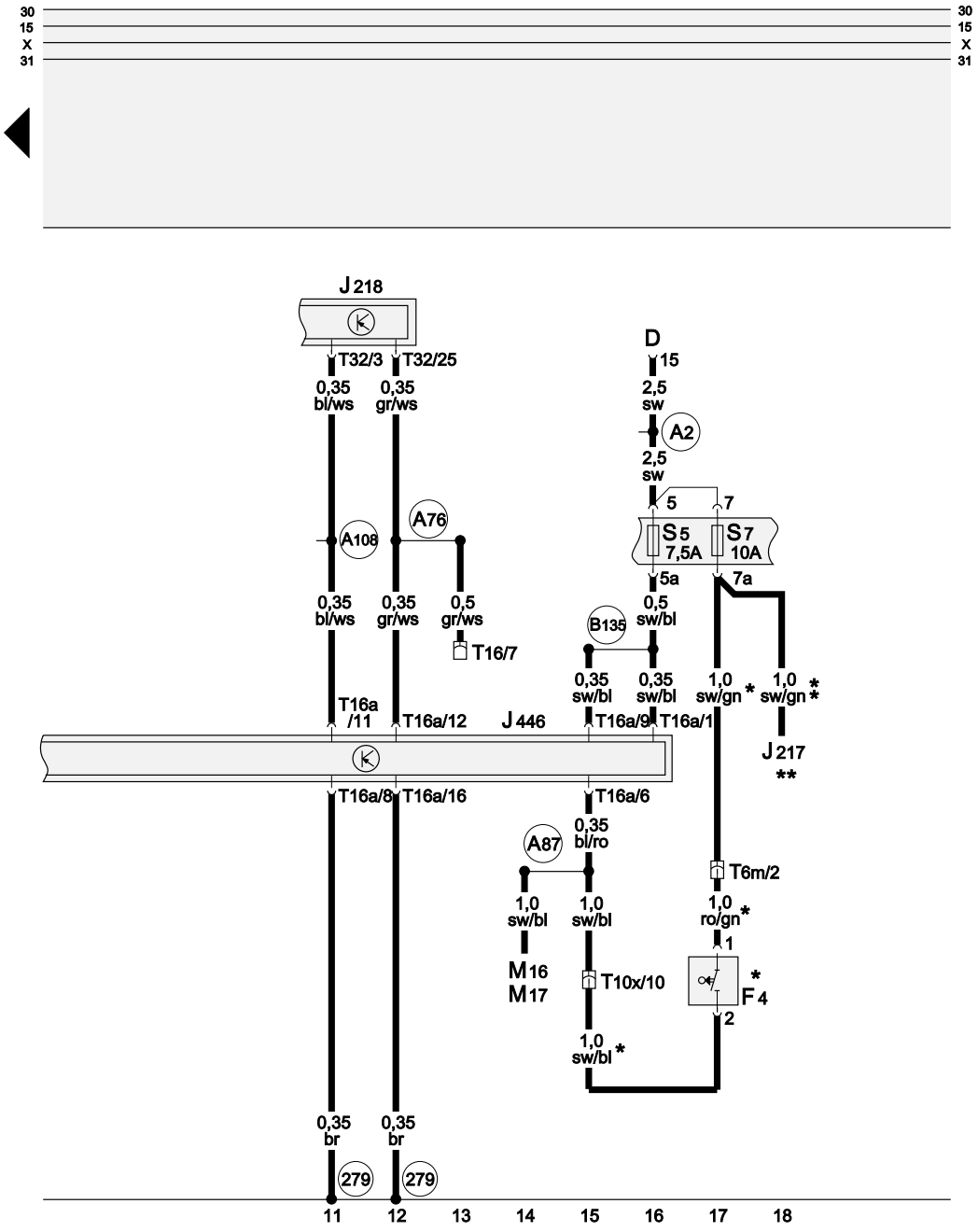


Parking aid

F216	Rear fog light cut-out, contact switch
G203	Rear left parking aid sender
G204	Centre rear left parking aid sender
G205	Centre rear right parking aid sender
G206	Rear right parking aid sender
H15	Parking aid warning buzzer
J446	Parking aid control unit
T3g	3-pin connector, on trailer socket
T6b	6-pin connector, blue, in luggage compartment, left
T12	12-pin connector, on right luggage compartment
T16a	16-pin connector, brown, in luggage compartment, right
V12	Rear window wiper motor
B114	Connection (inhibitor switch), in interior wiring harness
*	Only models with trailer coupling

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

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

Parking aid

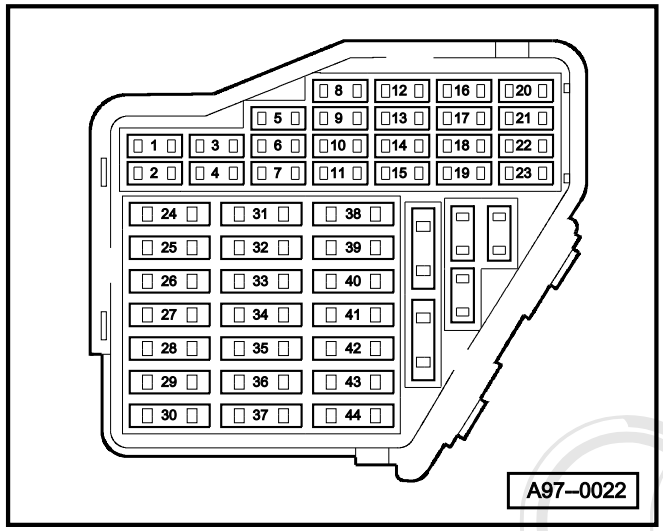
D	Ignition/starter switch
F4	Reversing light switch
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
J446	Parking aid control unit
M16	Reversing light bulb, left
M17	Reversing light bulb, right
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T16	16-pin connector, black, centre console compartment
T16a	16-pin connector, brown, in luggage compartment, right
T32	32-pin connector, blue, on dash panel insert
279	Earth connection -5-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A87	Connection (RL), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

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Ambient temperature and selector lever position indicator

From model year 1998

Fuse box:

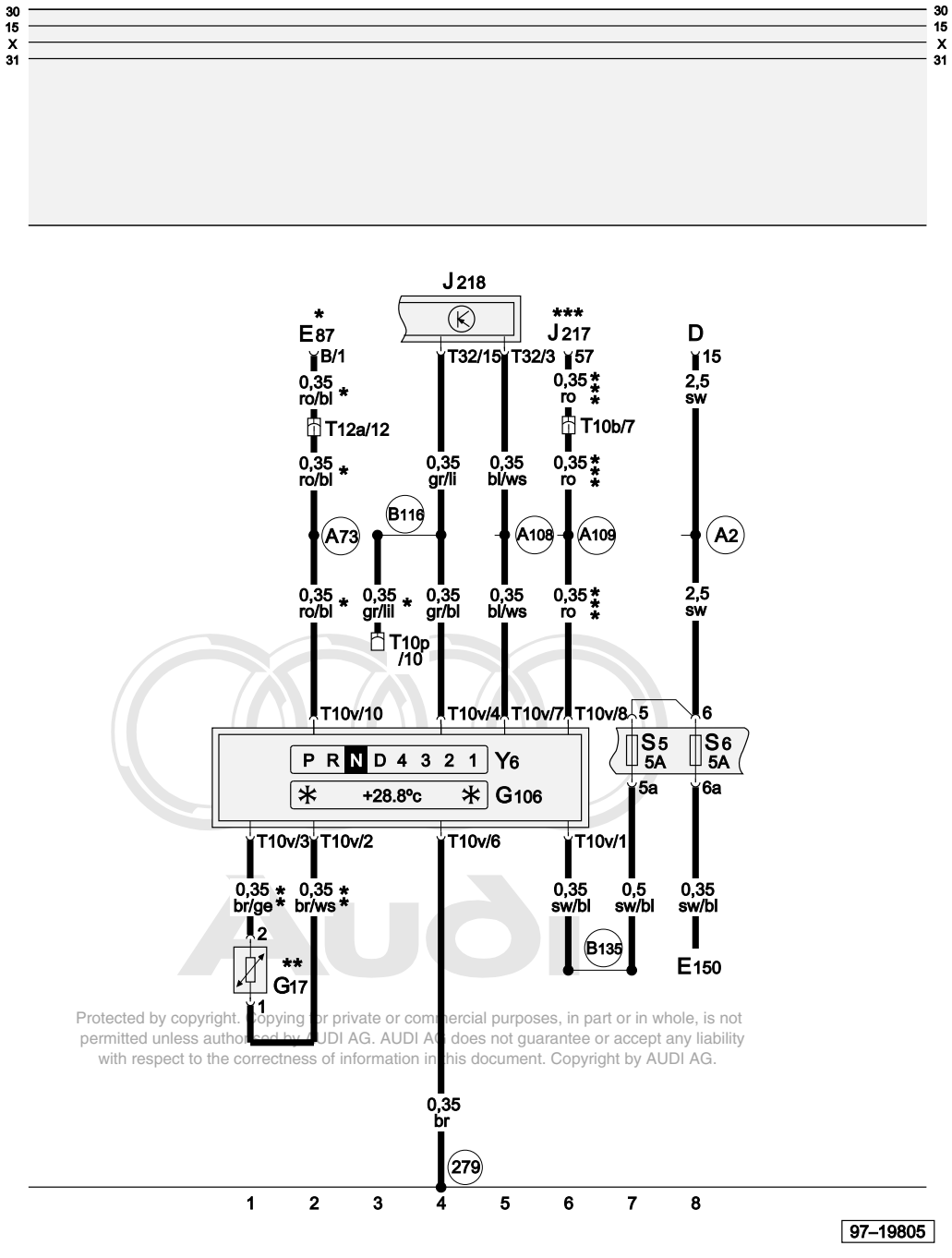


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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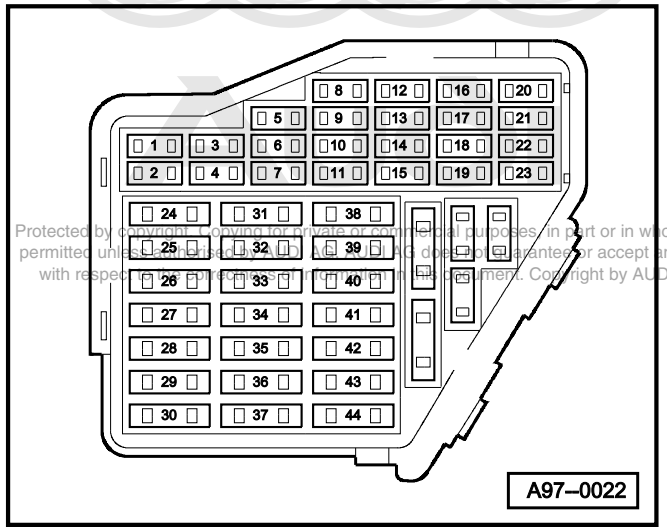
Ambient temperature and selector lever position indicator

D	Ignition/starter switch
E87	Control and display unit for air conditioner
E150	Interior locking switch, driver's side
G17	Ambient temperature sensor
G106	Ambient temperature indicator
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
T10b	10-pin connector, grey, in plenum chamber
T10p	10-pin connector, behind dash panel, right
T10v	10-pin connector, on dash panel insert
T12a	12-pin connector, behind dash panel, right
T32	32-pin connector, blue, on dash panel insert
Y6	Selector lever position indicator
279	Earth connection -5-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A73	Connection (ambient temperature display), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
A109	Connection (selector lever position indicator), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
B135	Connection (15a), in interior wiring harness
*	Only models with ambient temperature indicator, with air conditioner
**	Only models with ambient temperature indicator, without air conditioner
***	Only models with four speed automatic gearbox

Radio Concert, radio Chorus with CD changer

From model year 1998

Fuse box:

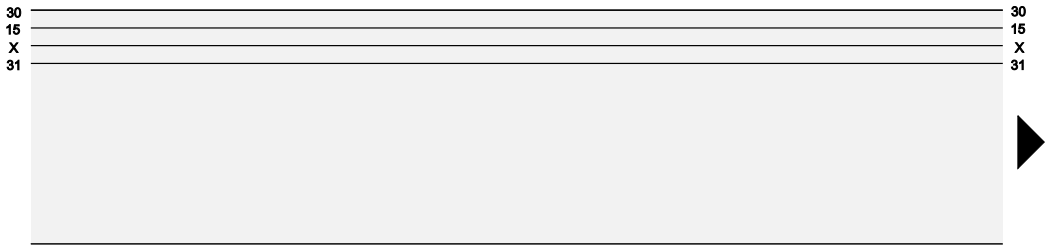


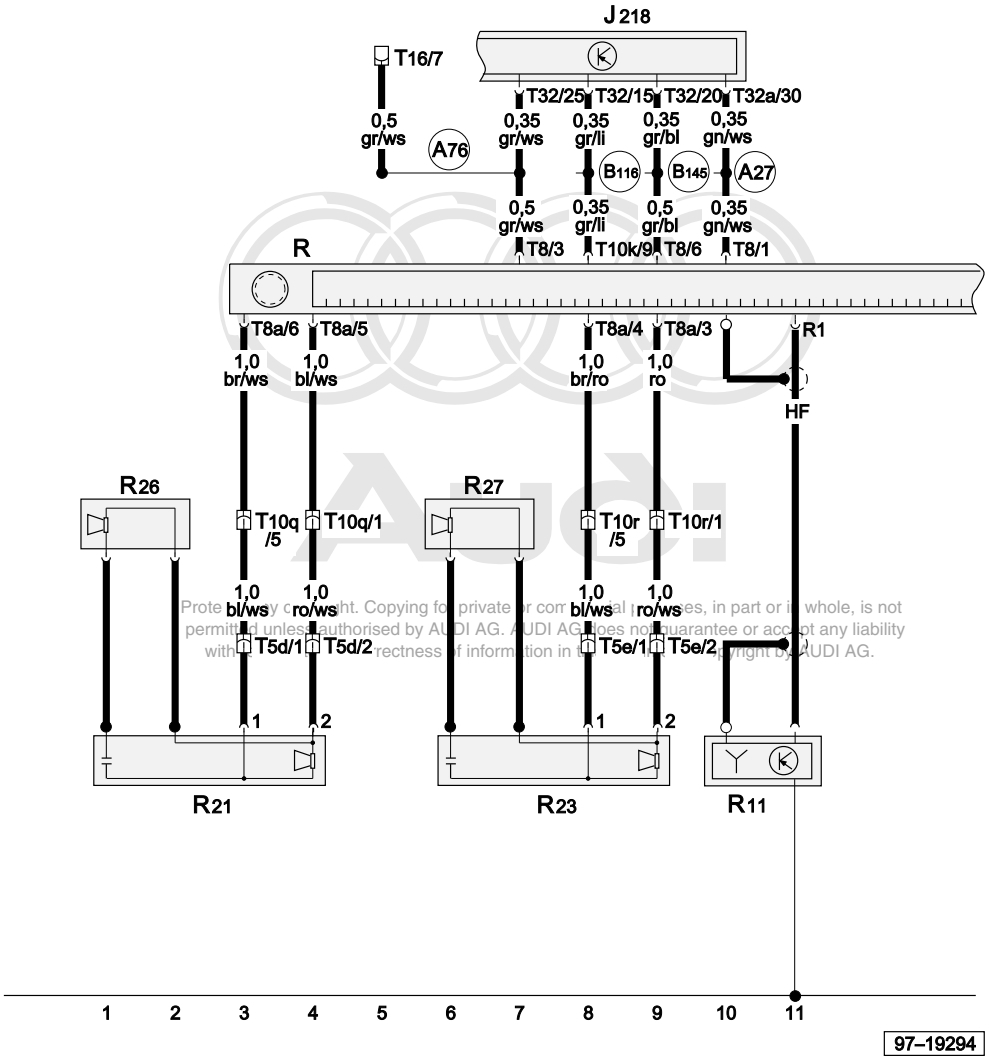
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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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



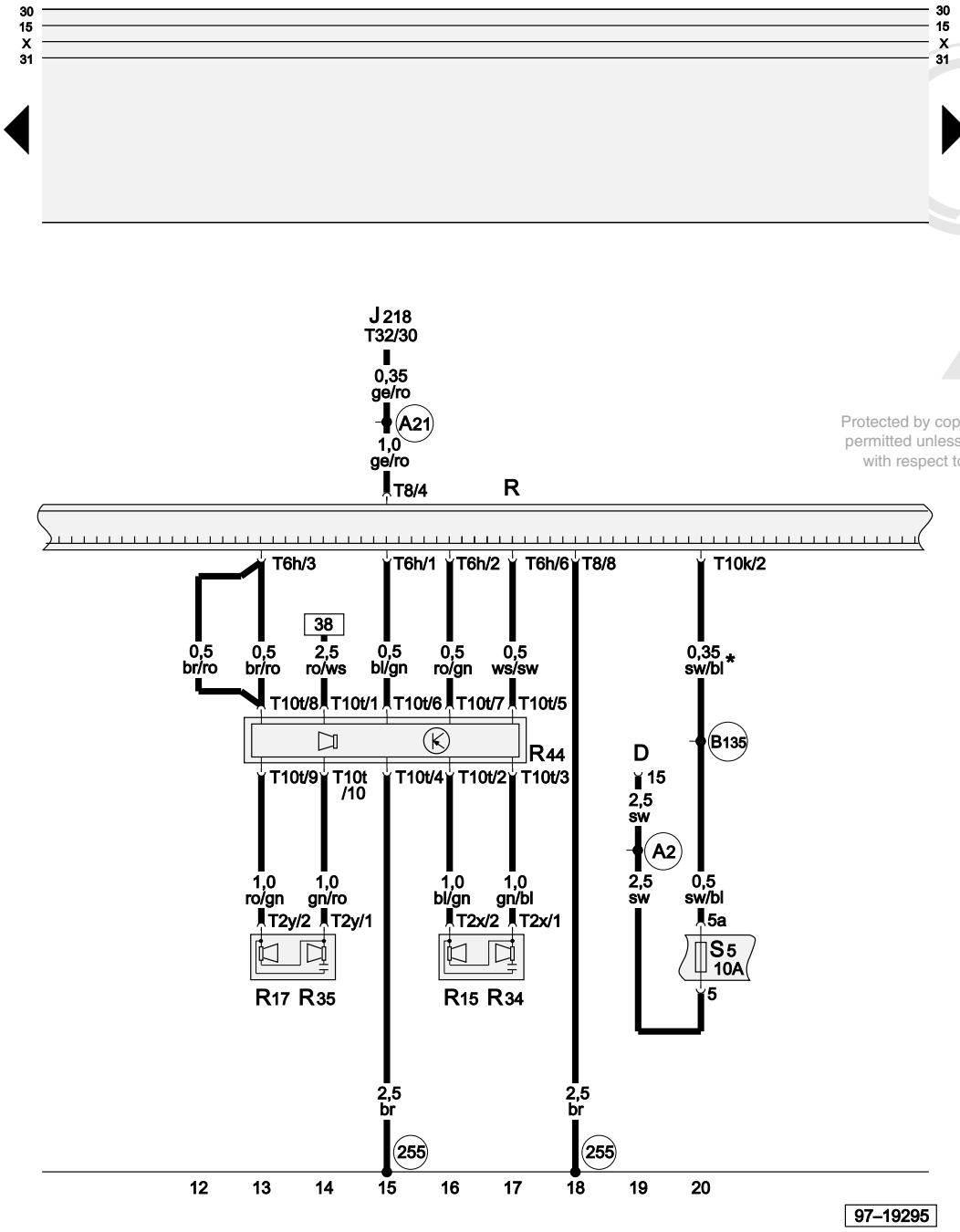


Radio Concert, radio Chorus with CD changer

J218	Combi-processor in dash panel insert
R	Radio
R11	Aerial
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
T8	8-pin connector, on radio
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
T16	16-pin connector, black, centre console compartment
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
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

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gn	=	green
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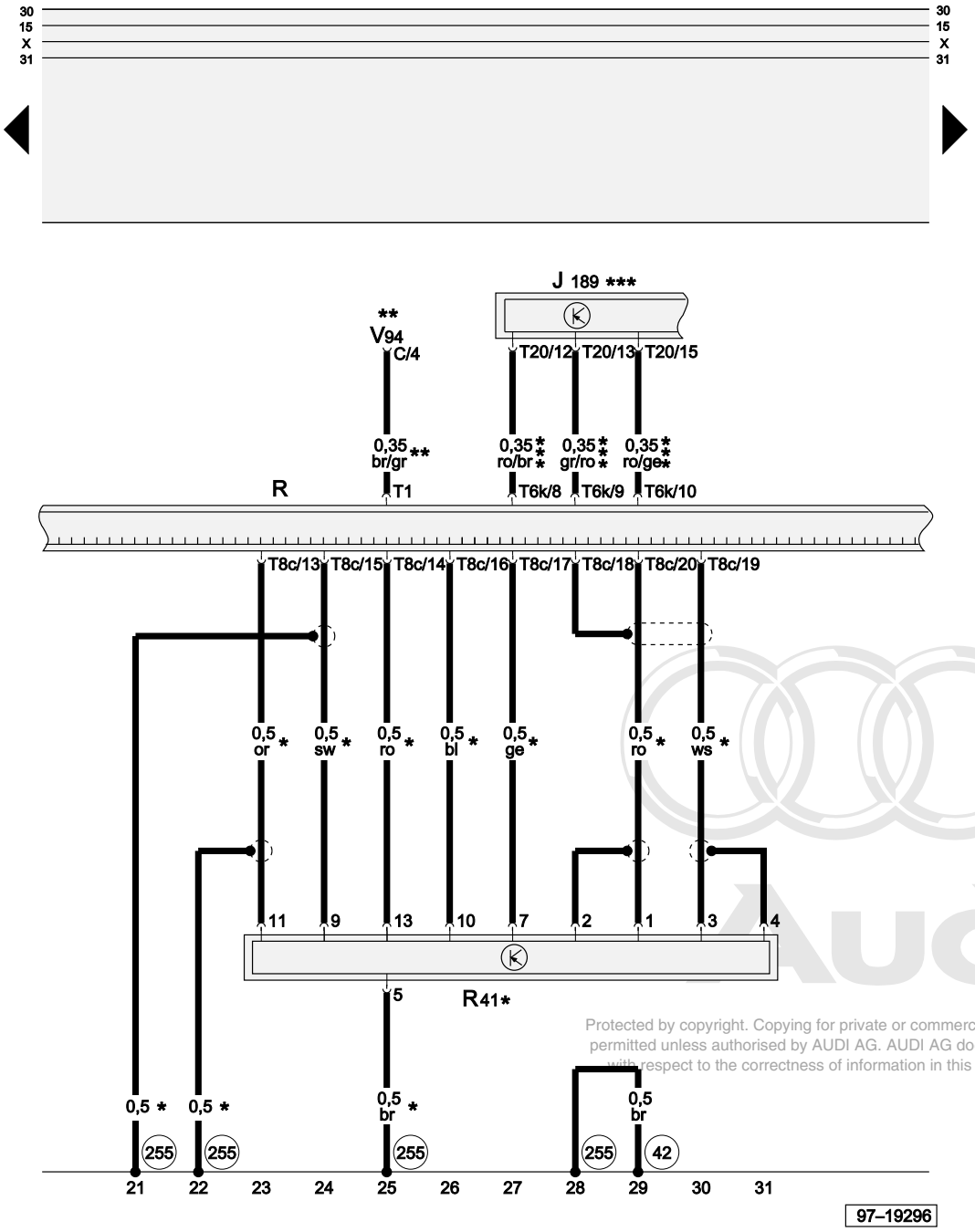


Radio Concert, radio Chorus with CD changer

D	Ignition/starter switch
J218	Combi-processor in dash panel insert
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
T6h	6-pin connector, yellow, on radio
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
T10t	10-pin connector, red, in luggage compartment, left
T32	32-pin connector, blue, on dash panel insert
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
B135	Connection -1- (15a), in interior wiring harness
*	Only models with navigation system

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

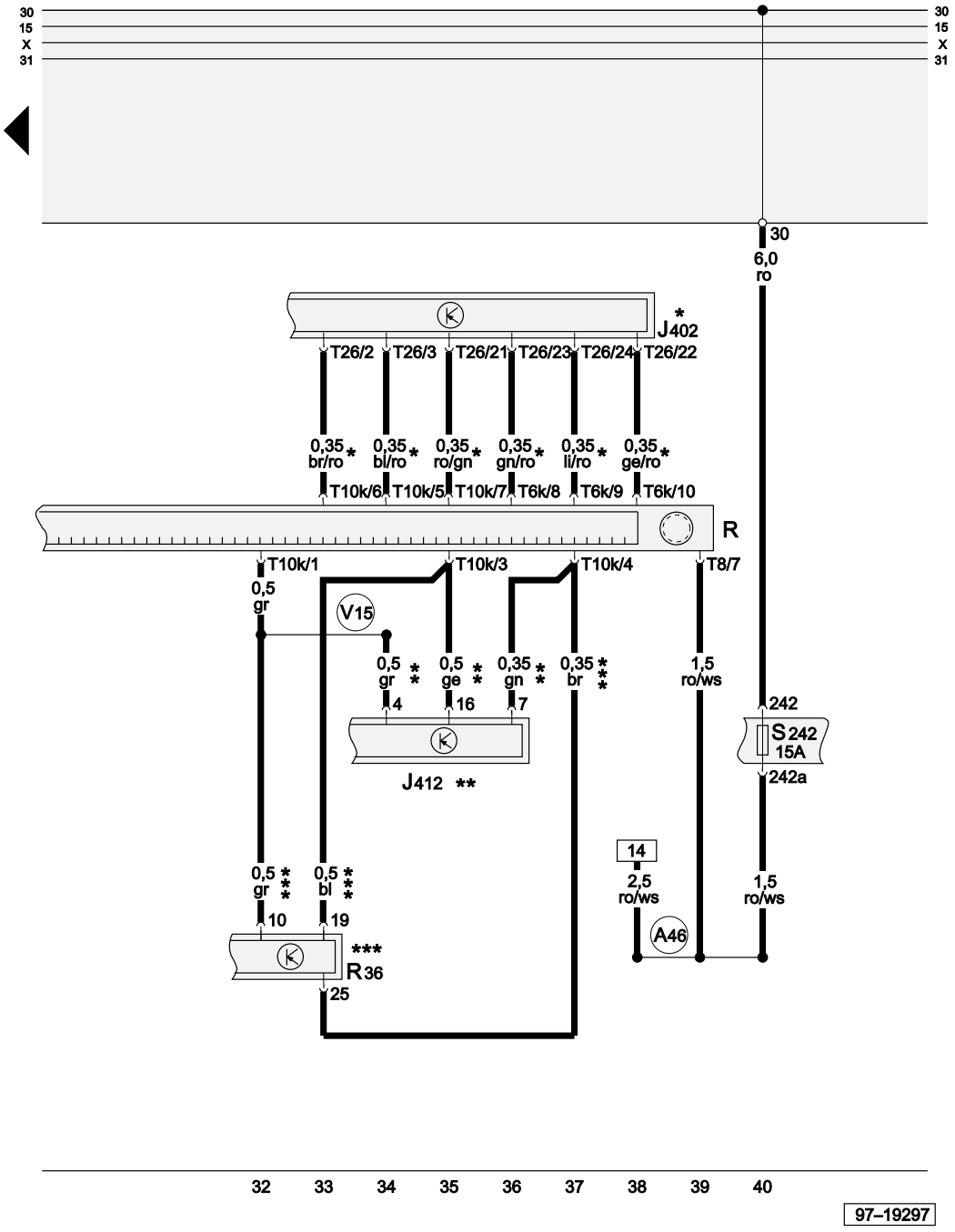


Radio Concert, radio Chorus with CD changer

J189	Auto-check system
R	Radio
R41	CD changer
T1	Single connector, brown, on radio
T6k	6-pin connector, on radio
T8c	8-pin connector, blue, on radio
T20	20-pin connector, black, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
42	Earth point, next to steering column
255	Earth connection -1-, in radio wiring harness
*	Only models with CD changer
**	Only models with anti-theft alarm system
***	Only models with driver information system

ws	=	white
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bl	=	blue
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Radio Concert, radio Chorus with CD changer

J402	Operating electronics control unit, navigation
J412	Operating electronics control unit, telephone
R	Radio
R36	Telephone transmitter and receiver unit
T6k	6-pin connector, on radio
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
T26	26-pin connector, on operating electronics control unit, navigation
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
V15	Connection , in telephone wiring harness
*	Only models with navigation system
**	Only models with mobile telephone
***	Only models with telephone

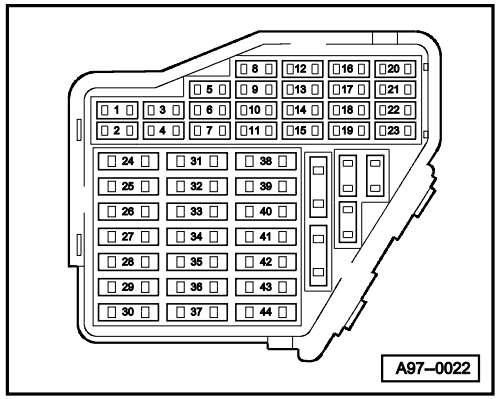
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio Bose sound system

From model year 1998

Fuse box:

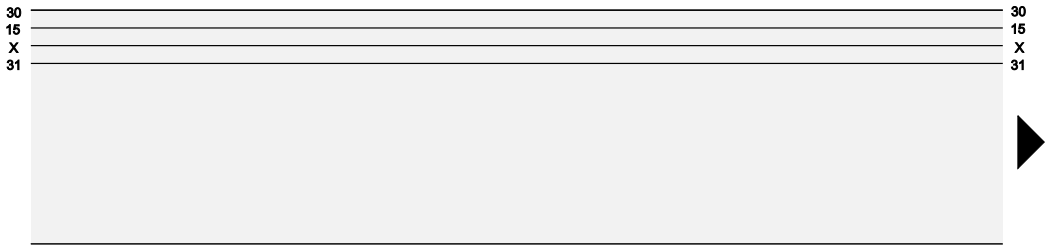


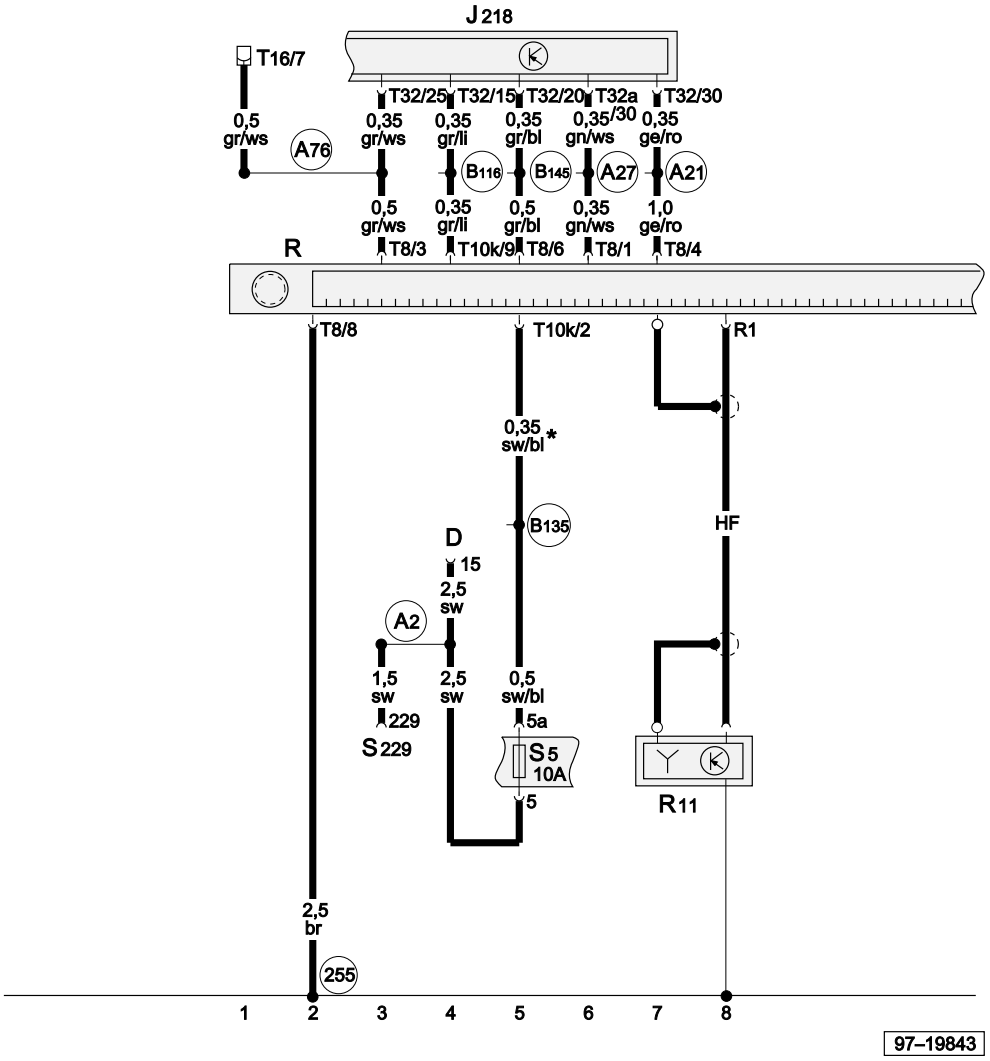
From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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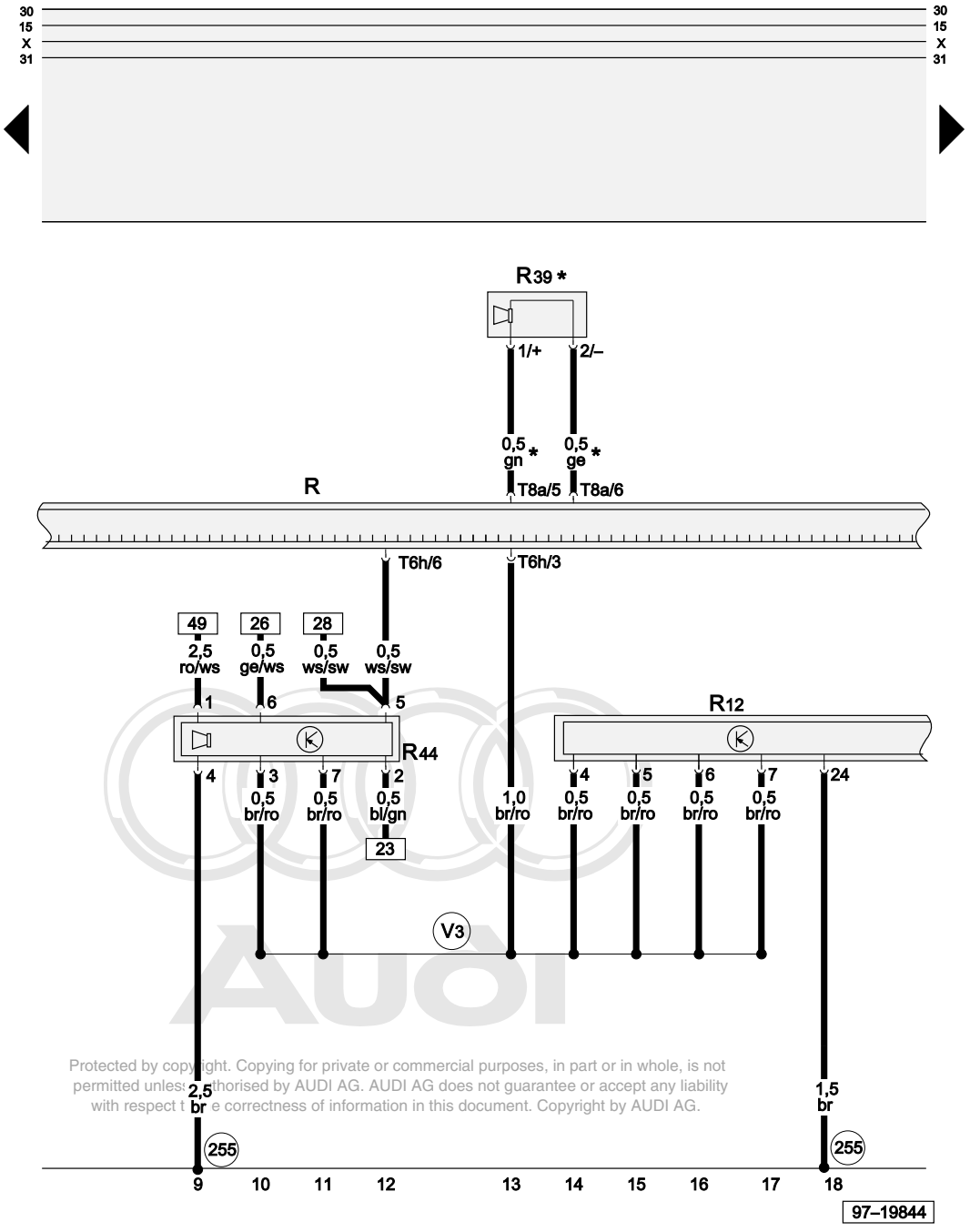


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio Bose sound system

D	Ignition/starter switch
J218	Combi-processor in dash panel insert
R	Radio
R11	Aerial
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
T16	16-pin connector, black, centre console compartment
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
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
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
B135	Connection -1- (15a), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with navigation system

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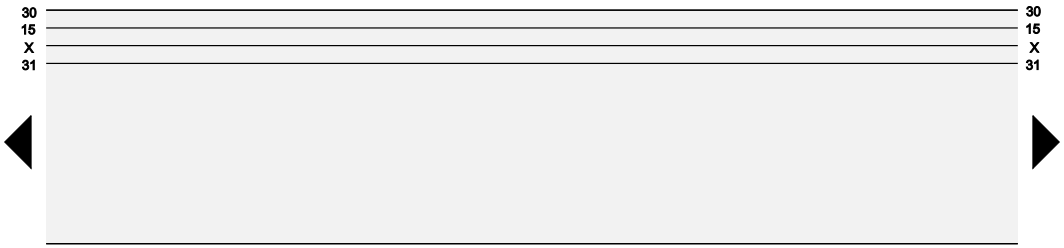


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Radio Bose sound system

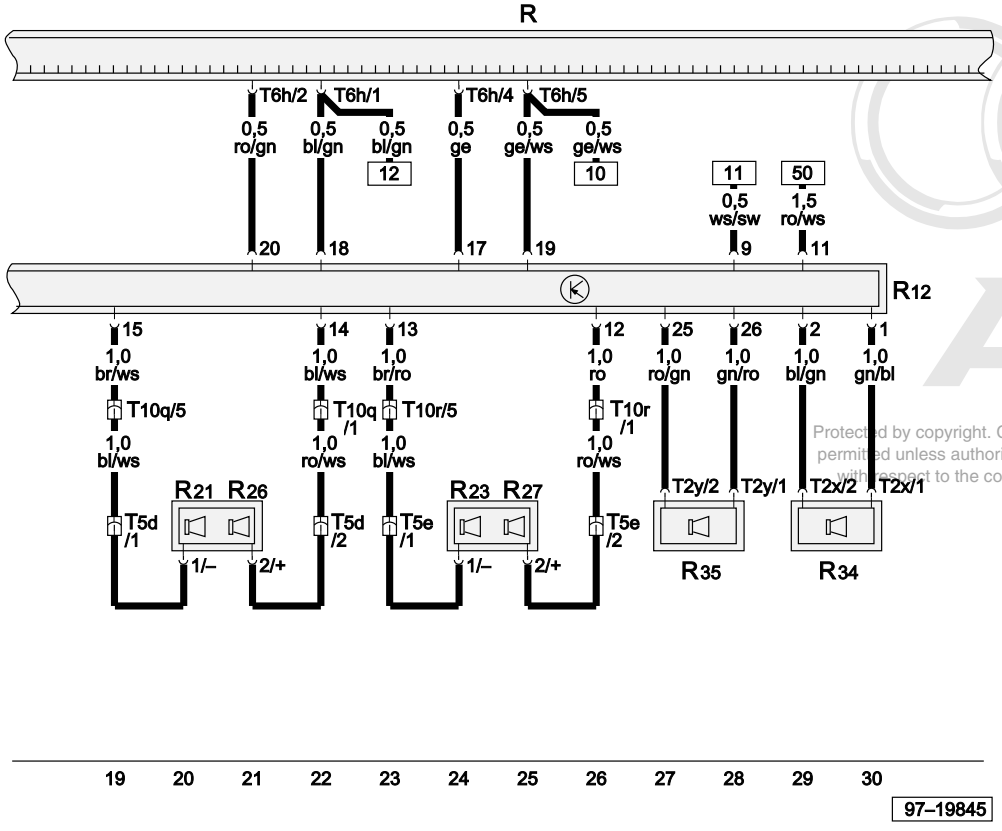
R	Radio
R12	Amplifier
R39	Loudspeaker for telephone
R44	Amplifier with bass loudspeaker (luggage compartment, left)
T6h	6-pin connector, yellow, on radio
T8a	8-pin connector, brown, on radio
255	Earth connection -1-, in radio wiring harness
V3	Connection (NF), in rear speaker wiring harness
*	Only models with telephone

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



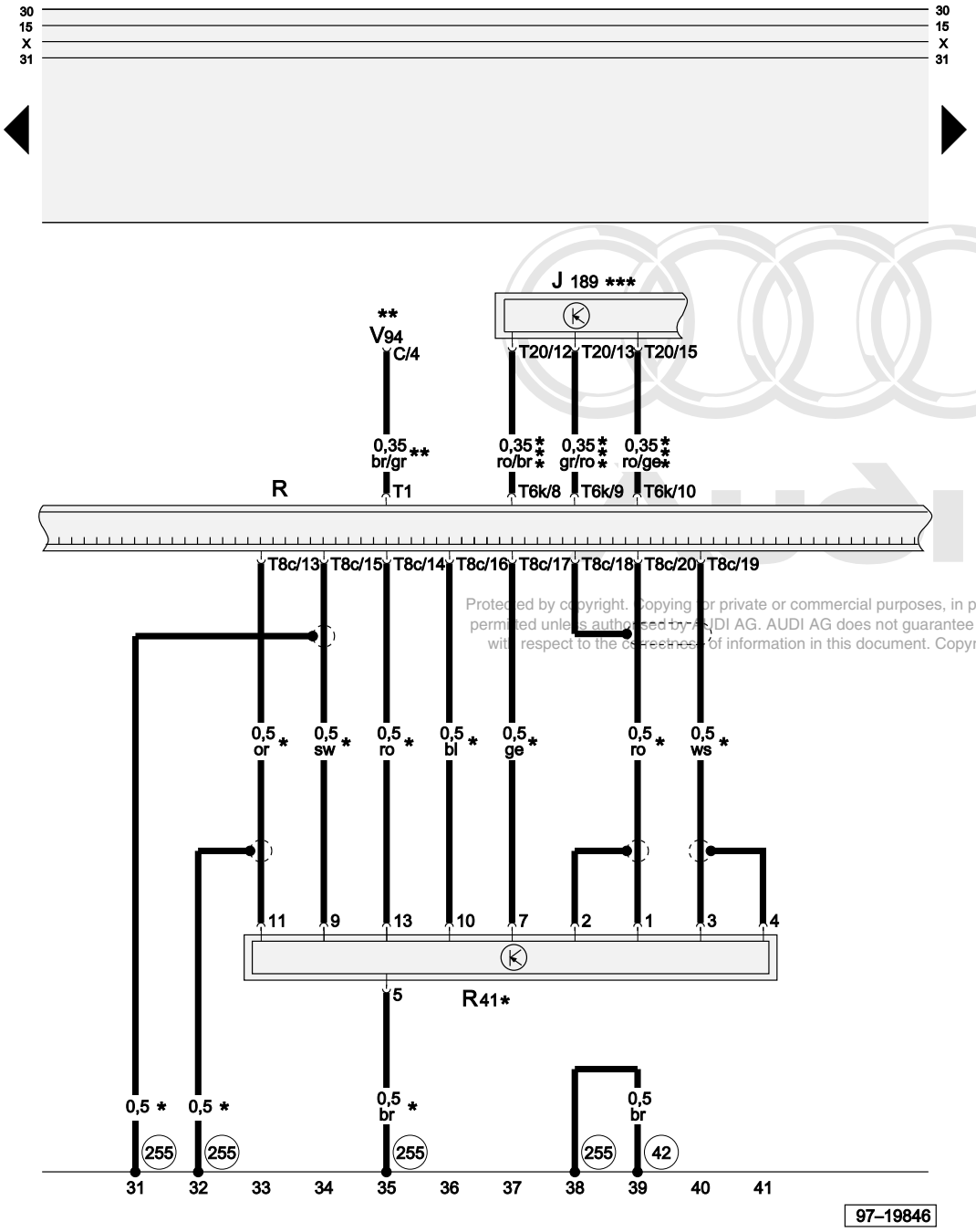
Radio Bose sound system

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, on loudspeaker rear left
T2y	2-pin connector, on loudspeaker rear left
T5d	5-pin connector, black, in driver's door
T5e	5-pin connector, black, in front passenger's door
T6h	6-pin connector, yellow, on radio
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right



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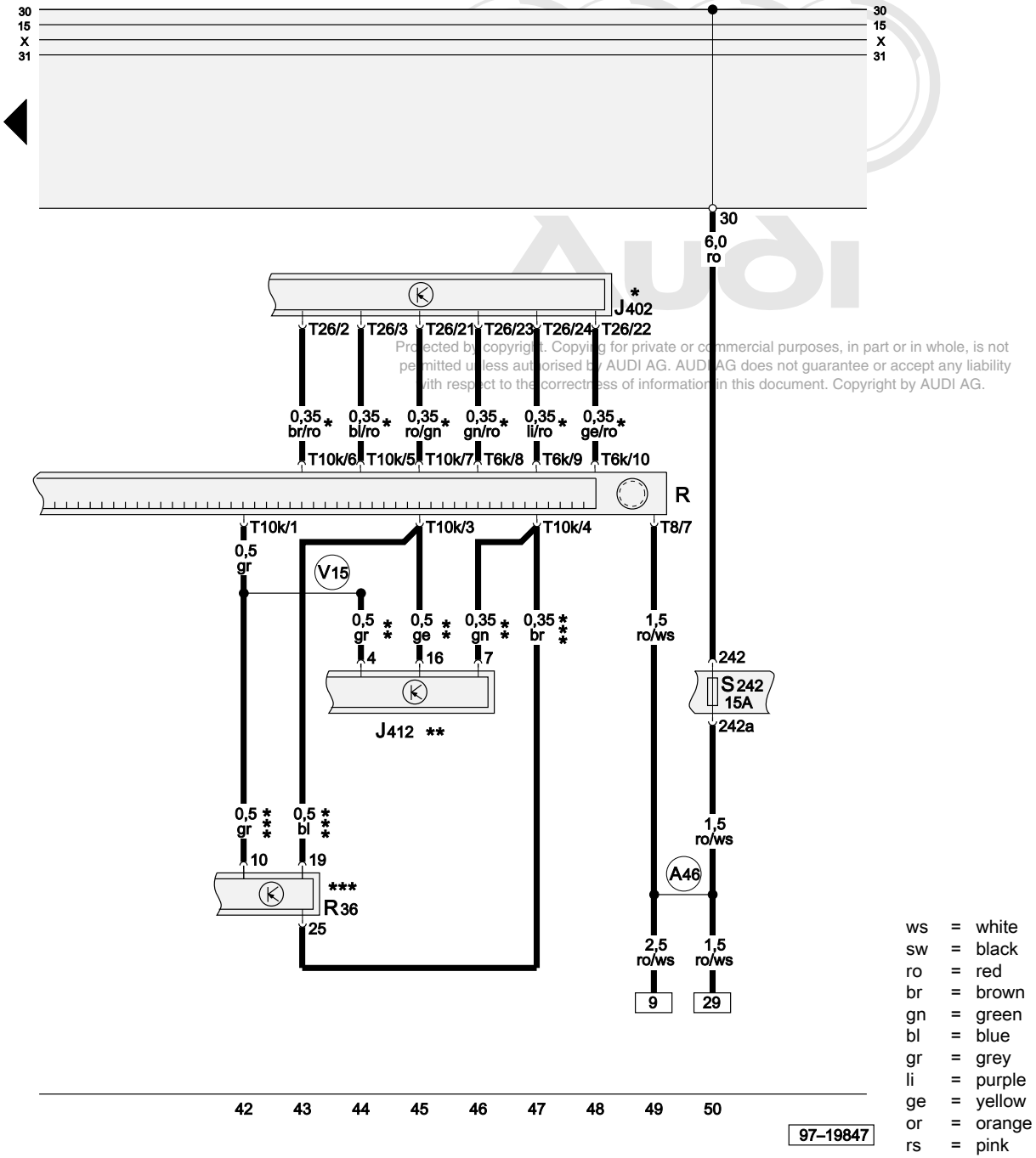


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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio Bose sound system

J189	Auto-check system
R	Radio
R41	CD changer
T1	Single connector, brown, on radio
T6k	6-pin connector, on radio
T8c	8-pin connector, blue, on radio
T20	20-pin connector, black, on dash panel insert
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
42	Earth point, next to steering columm
255	Earth connection -1-, in radio wiring harness
*	Only models with CD changer
**	Only models with anti-theft alarm system
***	Only models with driver information system



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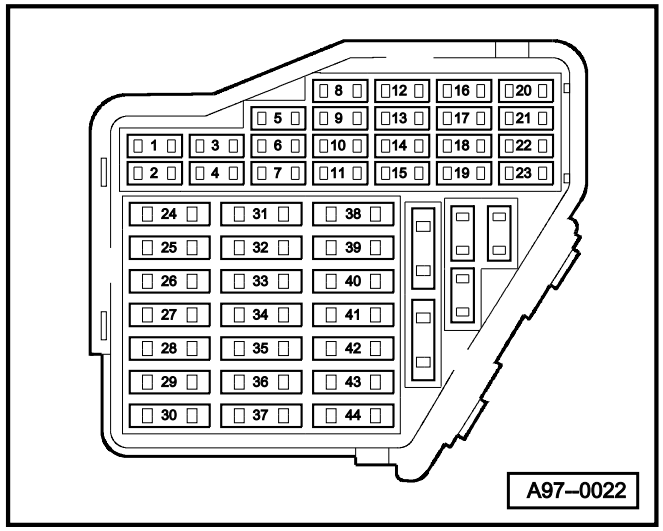
Radio Bose sound system

J402	Operating electronics control unit, navigation
J412	Operating electronics control unit, telephone
R	Radio
R36	Telephone transmitter and receiver unit
T6k	6-pin connector, on radio
T8	8-pin connector, on radio
T10k	10-pin connector, red, on radio
T26	26-pin connector, on operating electronics control unit, navigation
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
V15	Connection, in telephone wiring harness
*	Only models with navigation system
**	Only models with mobile telephone
***	Only models with telephone

Four-speed automatic gearbox with selector lever lock

From model year 1998

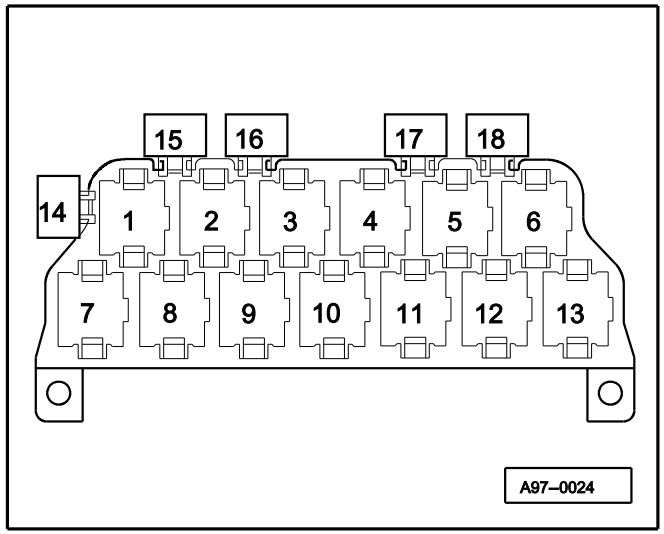
Fuse box:



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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.

13-point relay carrier:



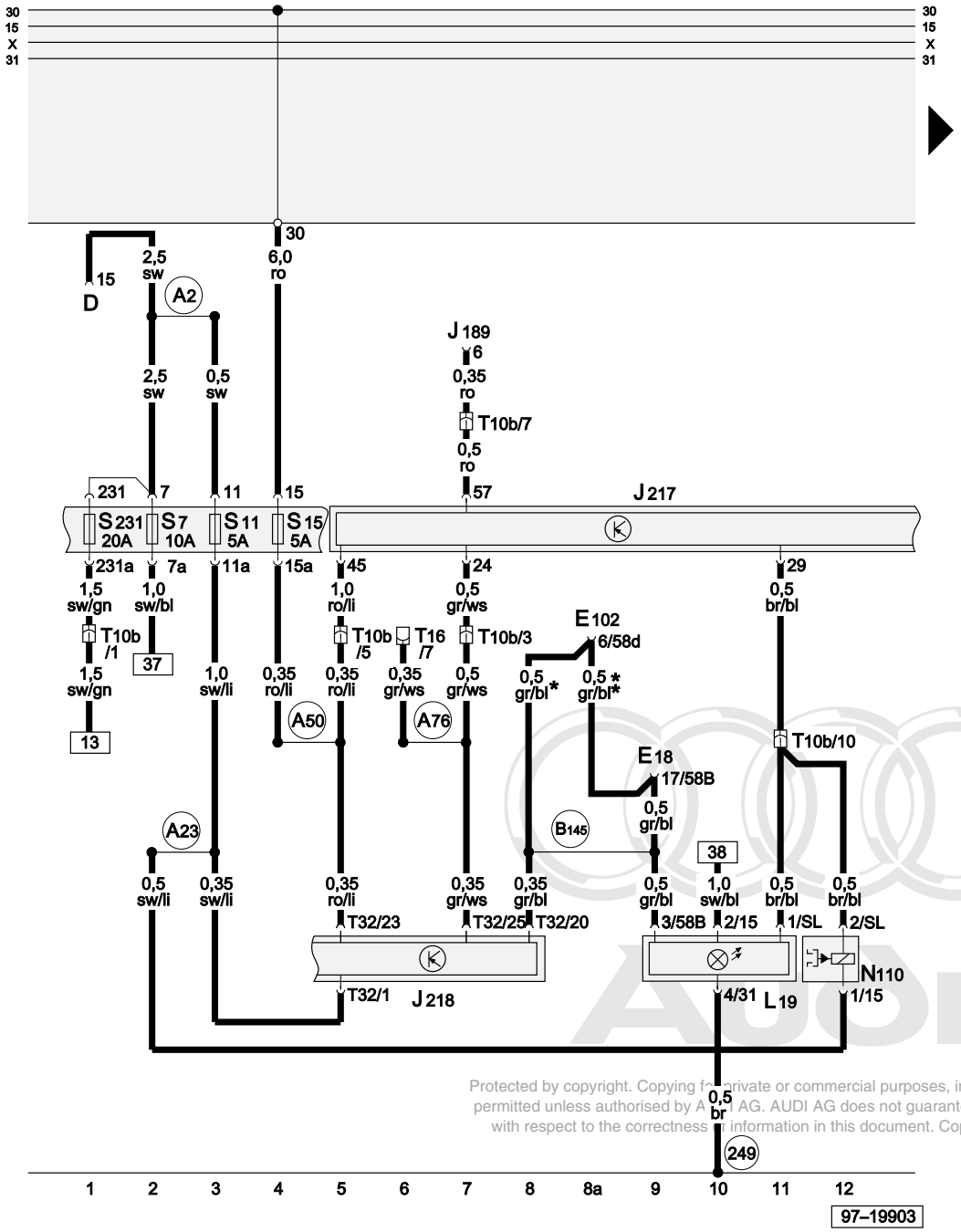
Position of relays:

11 - Starter inhibitor and reversing light relay

Fuse colours

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

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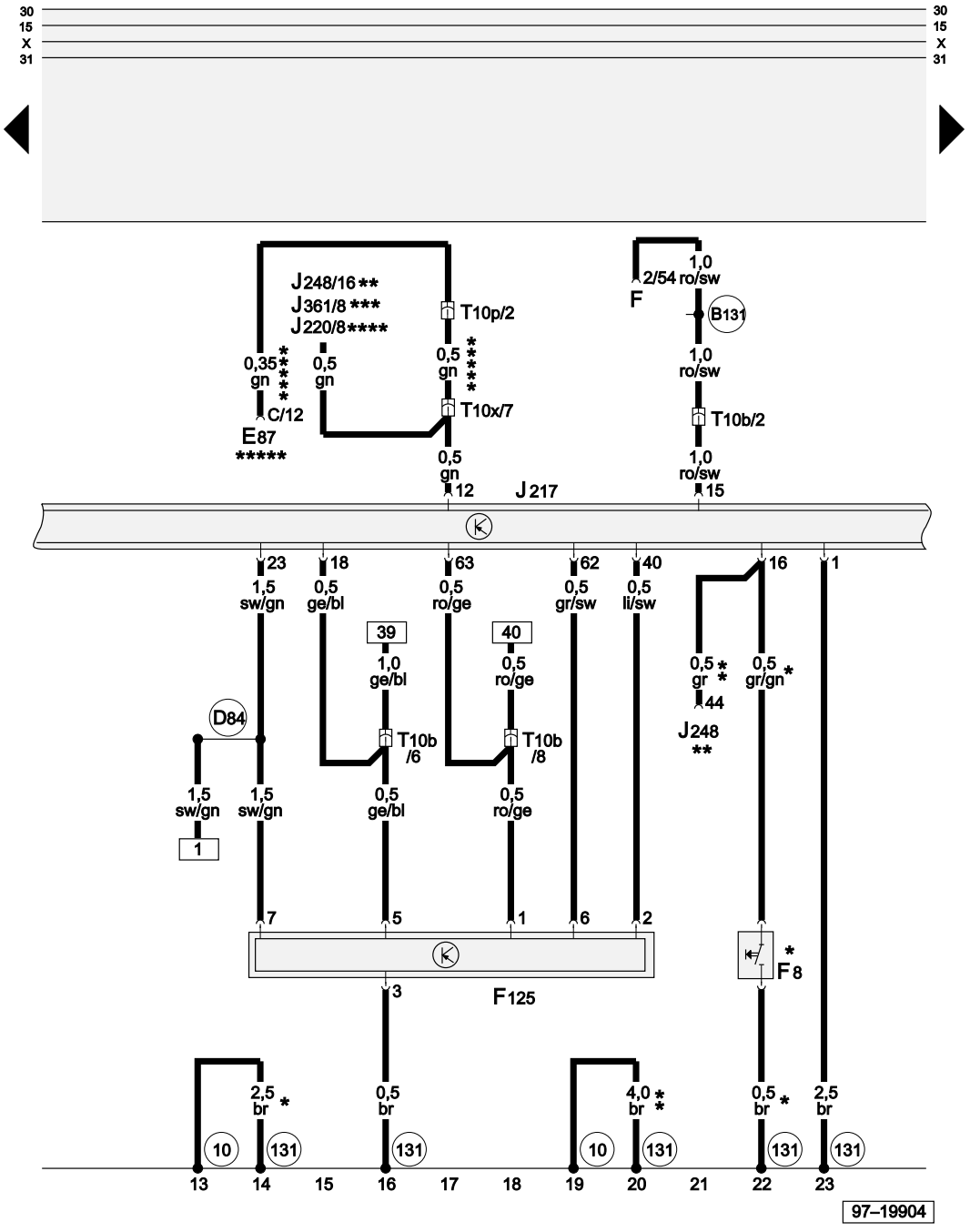


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Four-speed automatic gearbox with selector lever lock

D	Ignition/starter switch
E18	Rear fog light switch
E102	Headlight range control adjuster
J189	Auto-check system
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
L19	Gear selector light bulb
N110	Selector lever lock solenoid
T10b	10-pin connector, grey, in plenum chamber
T16	16-pin connector, black, in centre console compartment (diagnosis connector)
T32	32-pin connector, blue, on dash panel insert
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
A50	Positive (+) connection (30as), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Applicable up 1998 model year only
**	Applicable from model year 1999

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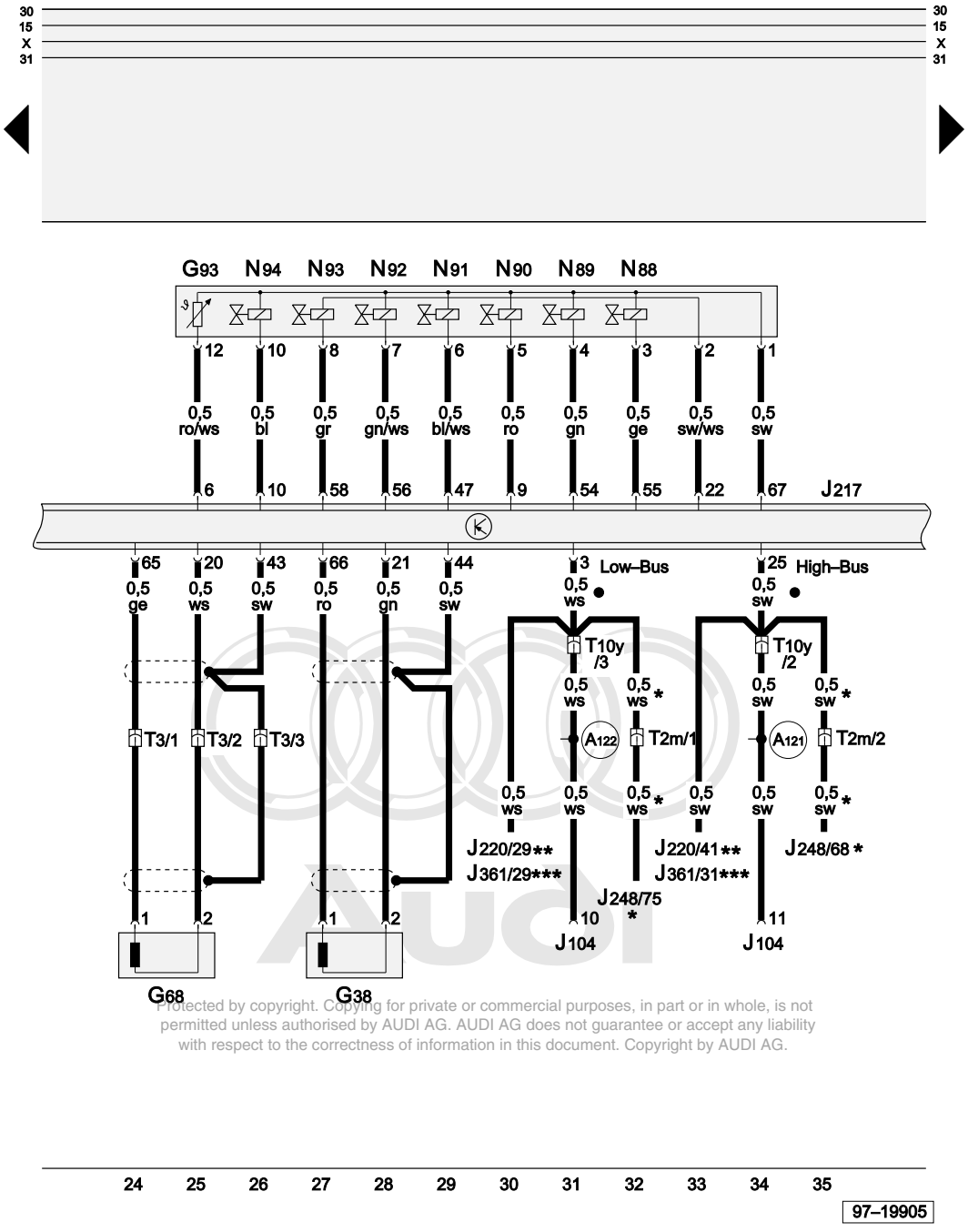


ws = white
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Four-speed automatic gearbox with selector lever lock

E87	Control and display unit for air conditioner
F	Brake light switch
F8	Kick-down switch
F125	Multi-function switch
J217	Automatic gearbox control unit
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos control unit
T10b	10-pin connector, grey, in plenum chamber
T10p	10-pin connector, behind dash panel, right
T10x	10-pin connector, orange, in plenum chamber
10	Earth point, in plenum chamber
131	Earth connection -2-, in engine compartment wiring harness
B131	Connection (54), in interior wiring harness
D84	Connection (automatic gearbox), in engine compartment wiring harness
*	Does not apply to engine codes AGR, AHF, ALH
**	Applies to engine codes AGR, AHF, ALH only
***	Applies to engine codes AEH and AKL only
****	Applies to engine codes AGN and AGU only
*****	Only models with air conditioner

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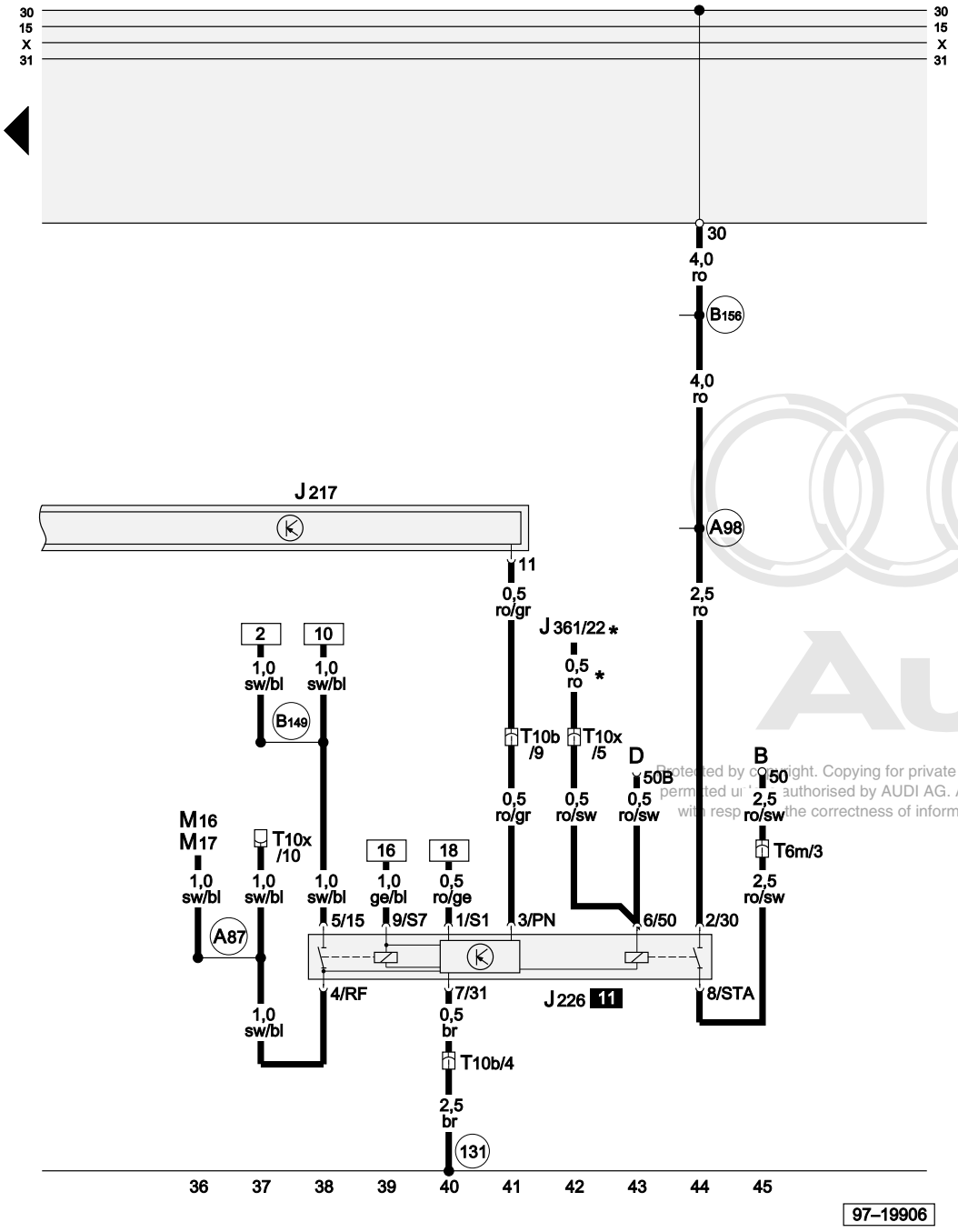


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Four-speed automatic gearbox with selector lever lock

G38	Gearbox speed sender
G68	Vehicle speed sender (inductive sender, 2 connections)
G93	Gearbox oil temperature sender
J104	ABS with EDL control unit
J217	Automatic gearbox control unit
J220	Motronic control unit
J248	Diesel direct injection system control unit
J361	Simos 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
T2m	2-pin connector, wiring duct, in engine compartment, left
T3	3-pin connector, on gearbox
T10y	10-pin connector, green, in plenum chamber
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
*	Applies to engine codes AGR, AHF, ALH only
**	Applies to engine codes AGN, AGU only
***	Applies to engine codes AEH, AKL only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	CAN bus (data wire)



Four-speed automatic gearbox with selector lever lock

B	Starter
D	Ignition/starter switch
J217	Automatic gearbox control unit
J226	Starter inhibitor and reversing light relay
J361	Simos control unit
M16	Reversing light bulb, left
M17	Reversing light bulb, right
T6m	6-pin connector, brown, in plenum chamber
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
A87	Connection (RL), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
*	Applies to engine codes AEH and AKL only

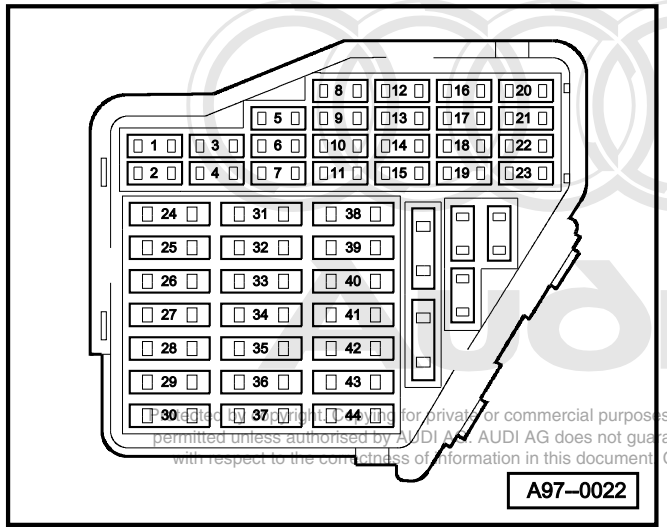
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Navigation system

From model year 1998

Fuse box:

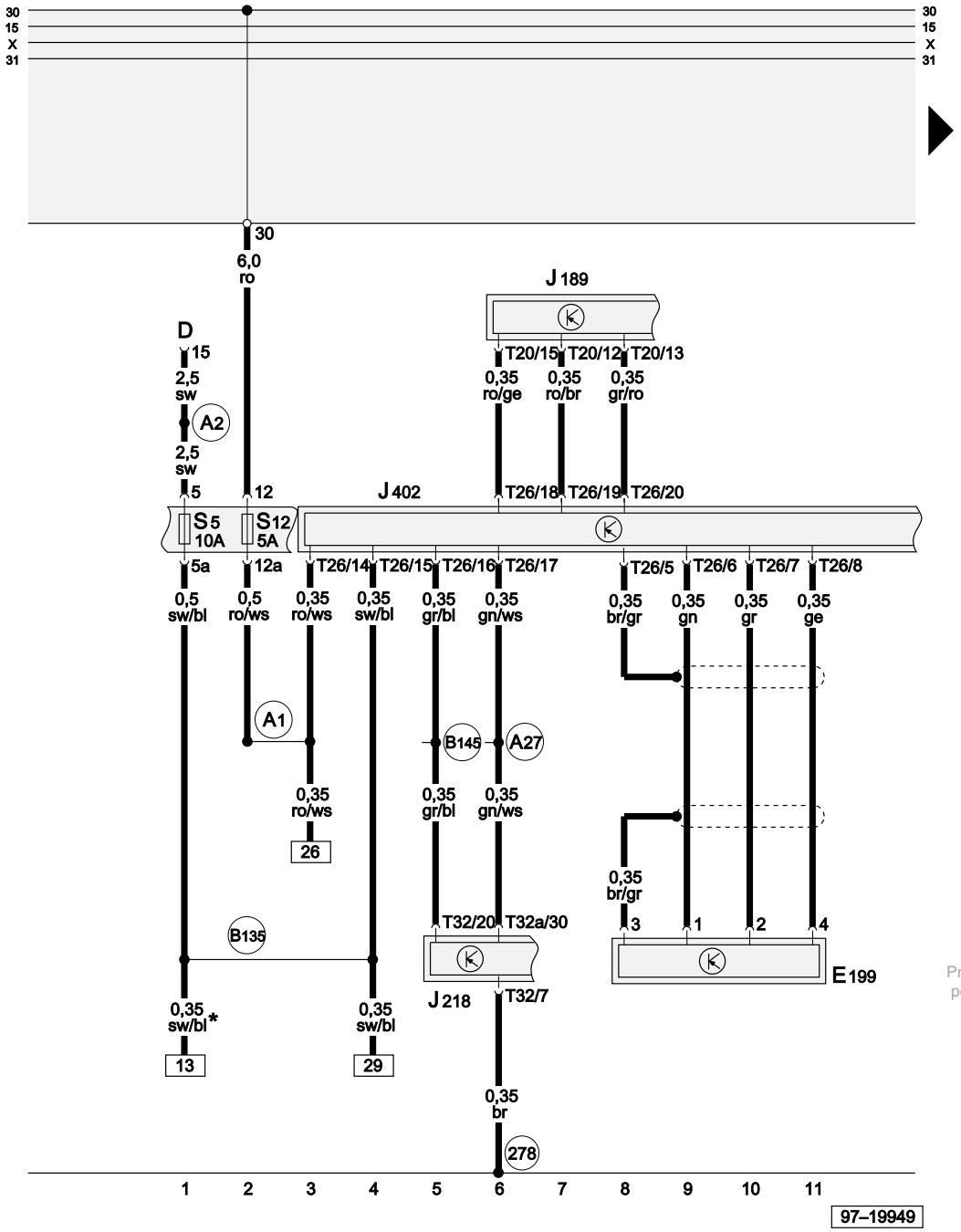


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

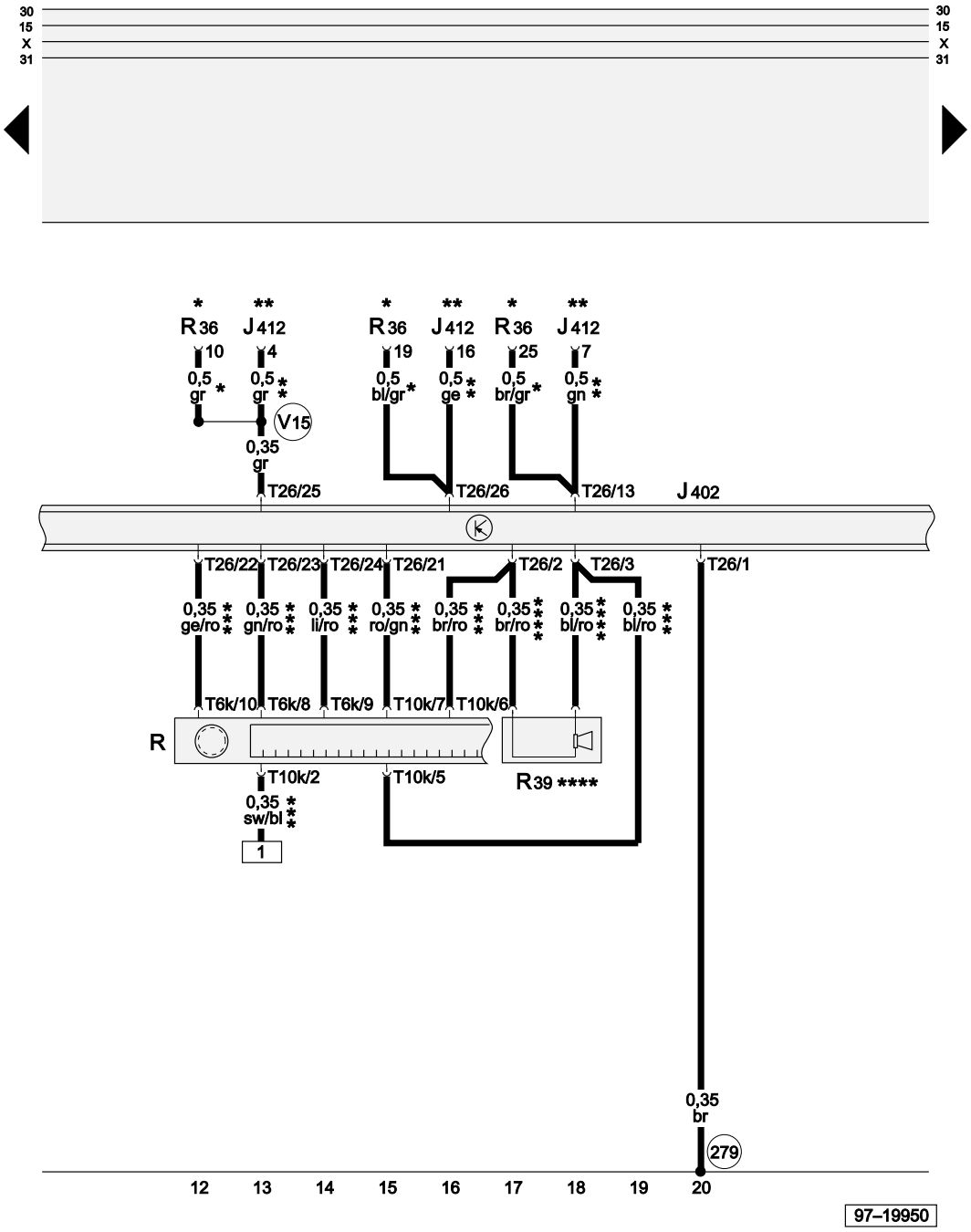


Navigation system

D	Ignition/starter switch
E199	Navigation system operating unit
J189	Auto-check system
J218	Combi-processor in dash panel insert
J402	Operating electronics control unit, navigation
T20	20-pin connector, black, on dash panel insert
T26	26-pin connector, on operating electronics control unit, navigation
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
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
B135	Connection -1- (15a), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with radio

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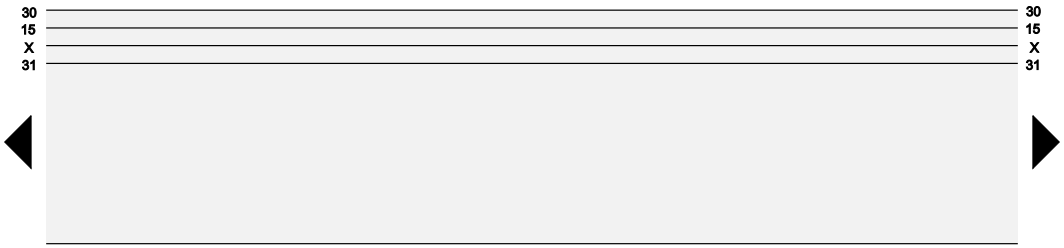


Navigation system

J402	Operating electronics control unit, navigation
J412	Operating electronics control unit, telephone
R	Radio
R36	Telephone transmitter and receiver unit
R39	Loudspeaker for navigation
T6k	6-pin connector, on radio
T10k	10-pin connector, red, on radio
T26	26-pin connector, on operating electronics control unit, navigation
279	Earth connection -5-, in interior wiring harness
V15	Connection , in telephone wiring harness
*	Only models with telephone
**	Only models with mobile telephone (provision for mobile phone see applicable Current Flow Diagram: Mobile telephone
***	Only models with radio
****	Does not apply to models with radio

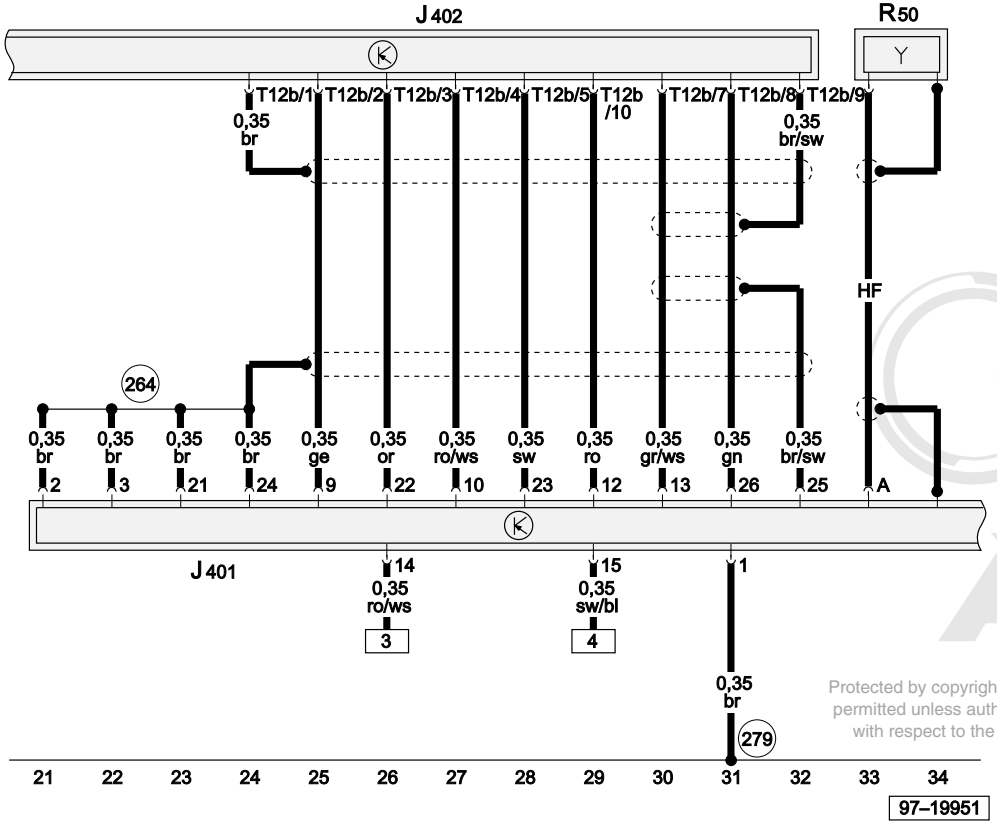
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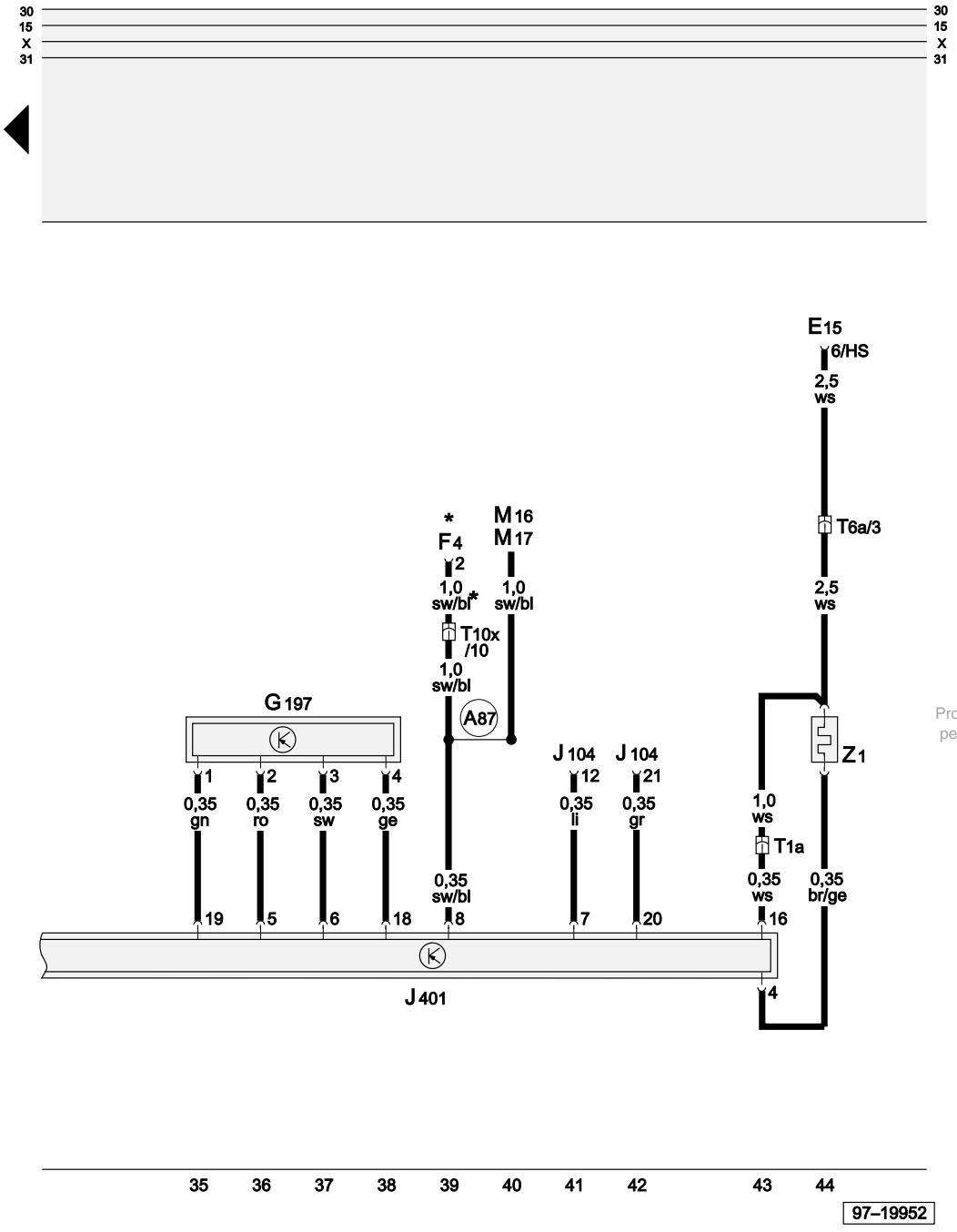
Navigation system

J401	Navigation system with CD drive control unit
J402	Operating electronics control unit, navigation
R50	Navigation aerial (GPS)
T12b	12-pin connector, on operating electronics control unit, navigation
264	Earth connection (external screening), in navigation wiring harness
279	Earth connection -5-, in interior wiring harness



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gr = grey
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or = orange
rs = pink

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Navigation system

E15	Heated rear window switch
F4	Reversing light switch
G197	Magnetic field sender (compass)
J104	ABS with EDL control unit
J401	Navigation system with CD drive control unit
M16	Reversing light bulb, left
M17	Reversing light bulb, right
T1a	Single connector, white, in luggage compartment, rear left
T6a	6-pin connector, black, in luggage compartment, rear left
T10x	10-pin connector, orange, in plenum chamber
Z1	Heated rear window
A87	Connection (RL), in dash panel wiring harness
*	Only models with manual gearbox

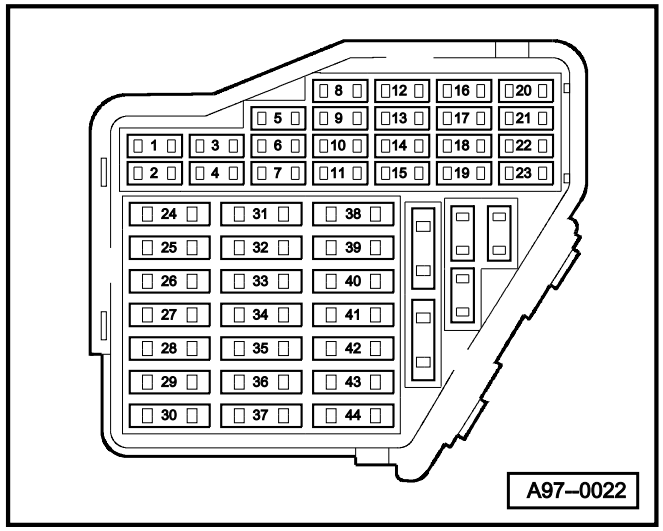
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gn	=	green
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rs	=	pink

Electric sliding roof with automatic preselector

From model year 1998

Fuse box:

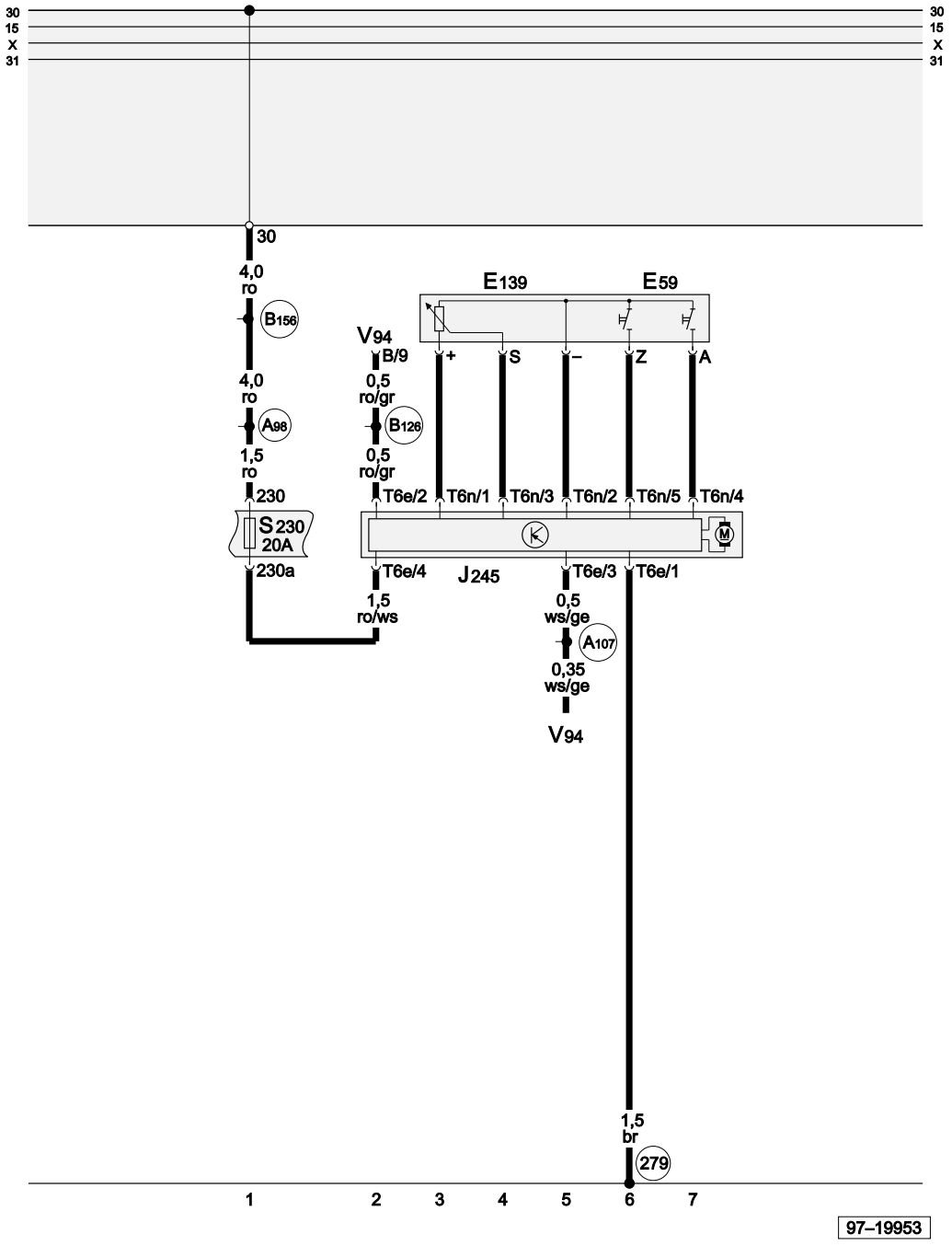


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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Electric sliding roof with automatic preselector

E59	Sliding sunroof lift/lower switch
E139	Sliding sunroof adjustment regulator
J245	Sliding sunroof adjustment control unit
T4k	4-pin connector, near interior light, front
T6e	6-pin connector, near interior light, front
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
279	Earth connection -5-, in interior wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
B126	Connection (87, window lifter control unit), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

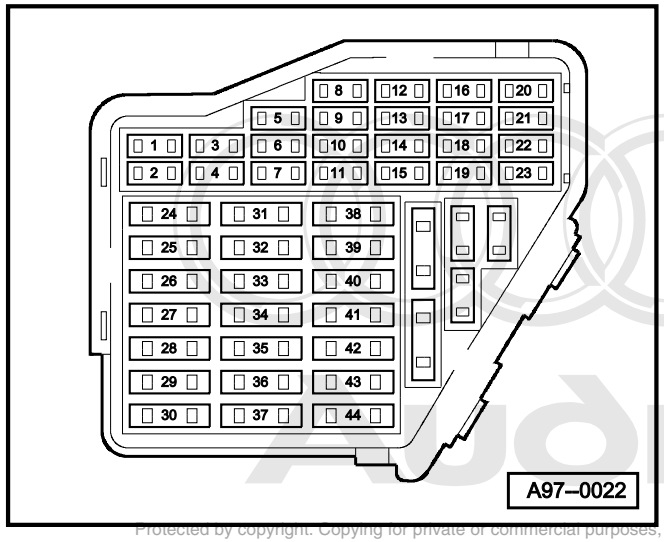
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ge	=	yellow
or	=	orange
rs	=	pink

Cruise control system (for 1.8 litre Motronic, 4-cylinder)

From model year 1998

Fuse box:

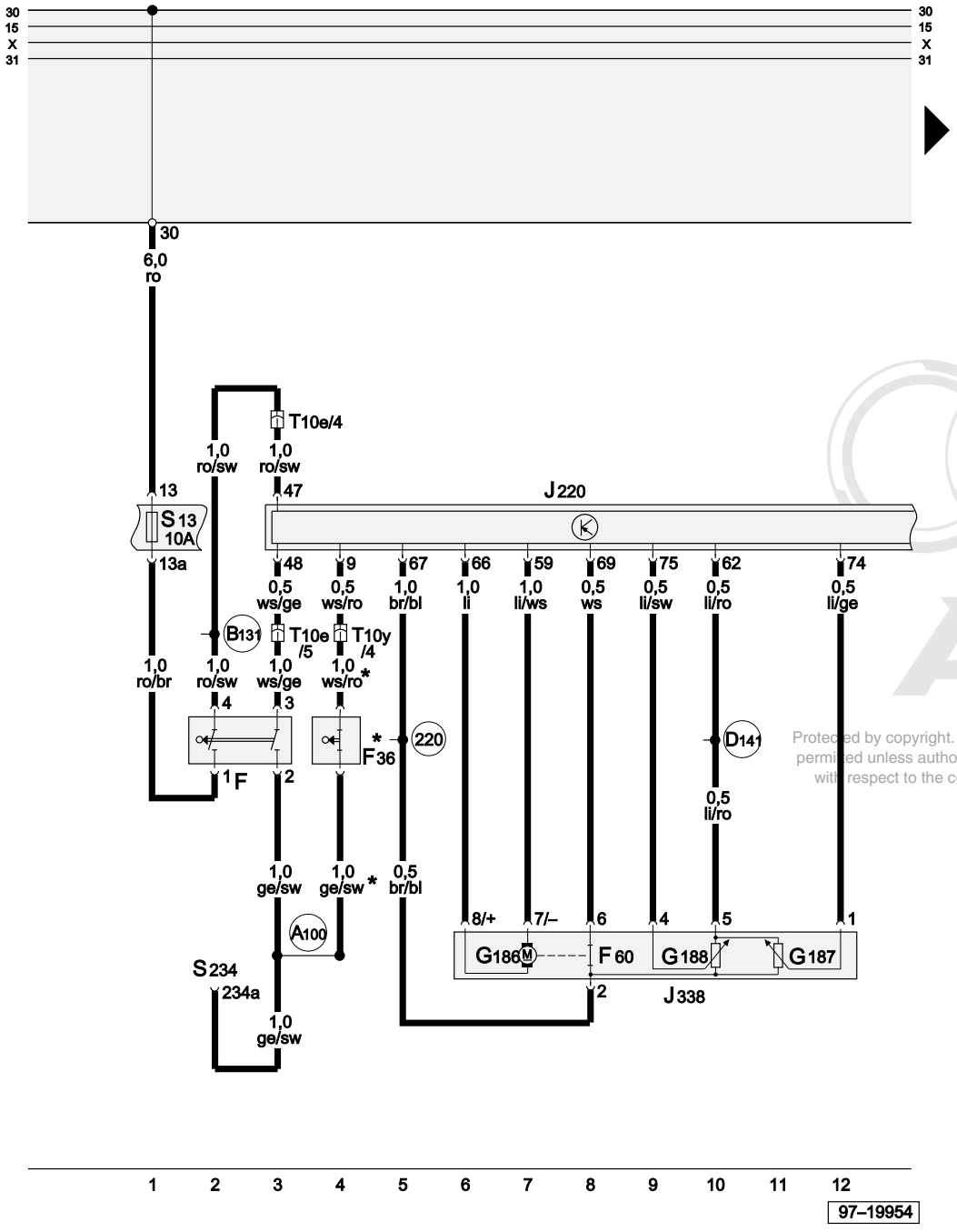


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

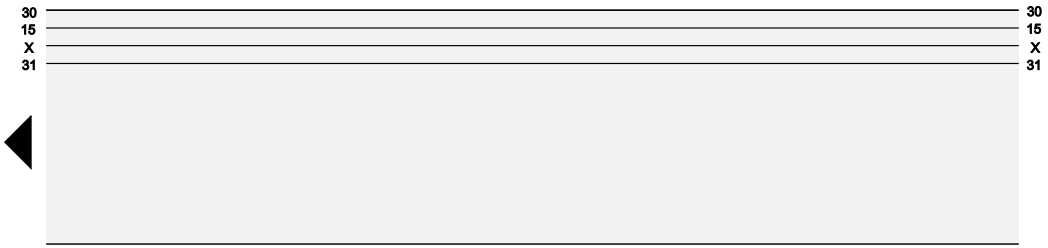


Cruise control system (for 1.8 litre Motronic, 4-cylinder)

F	Brake light switch
F36	Clutch pedal switch
F60	Idling switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J220	Motronic control unit
J338	Throttle valve control unit
T10e	10-pin connector, black, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
A100	Connection -2- (87), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with manual gearbox

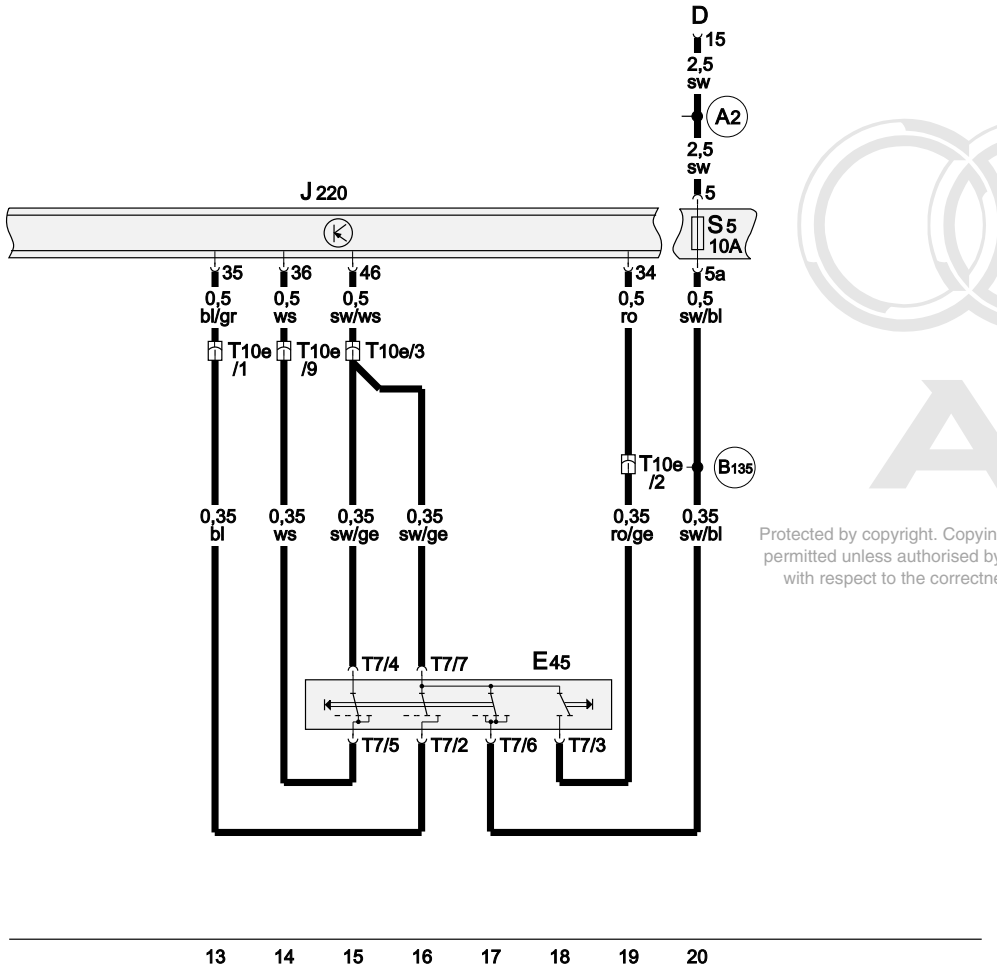
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Cruise control system (for 1.8 litre Motronic, 4-cylinder)

D	Ignition/starter switch
E45	Cruise control system switch
J220	Motronic control unit
T7	7-pin connector, behind steering column switch trim
T10e	10-pin connector, black, in plenum chamber
A2	Positive (+) connection (15), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness



97–19955

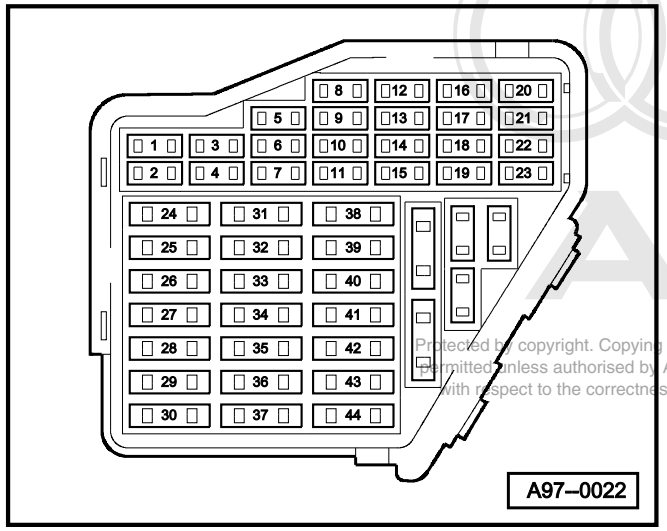
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Cruise control system (for 1.6 litre Simos, 4-cylinder)

From model year 1998

Fuse box:

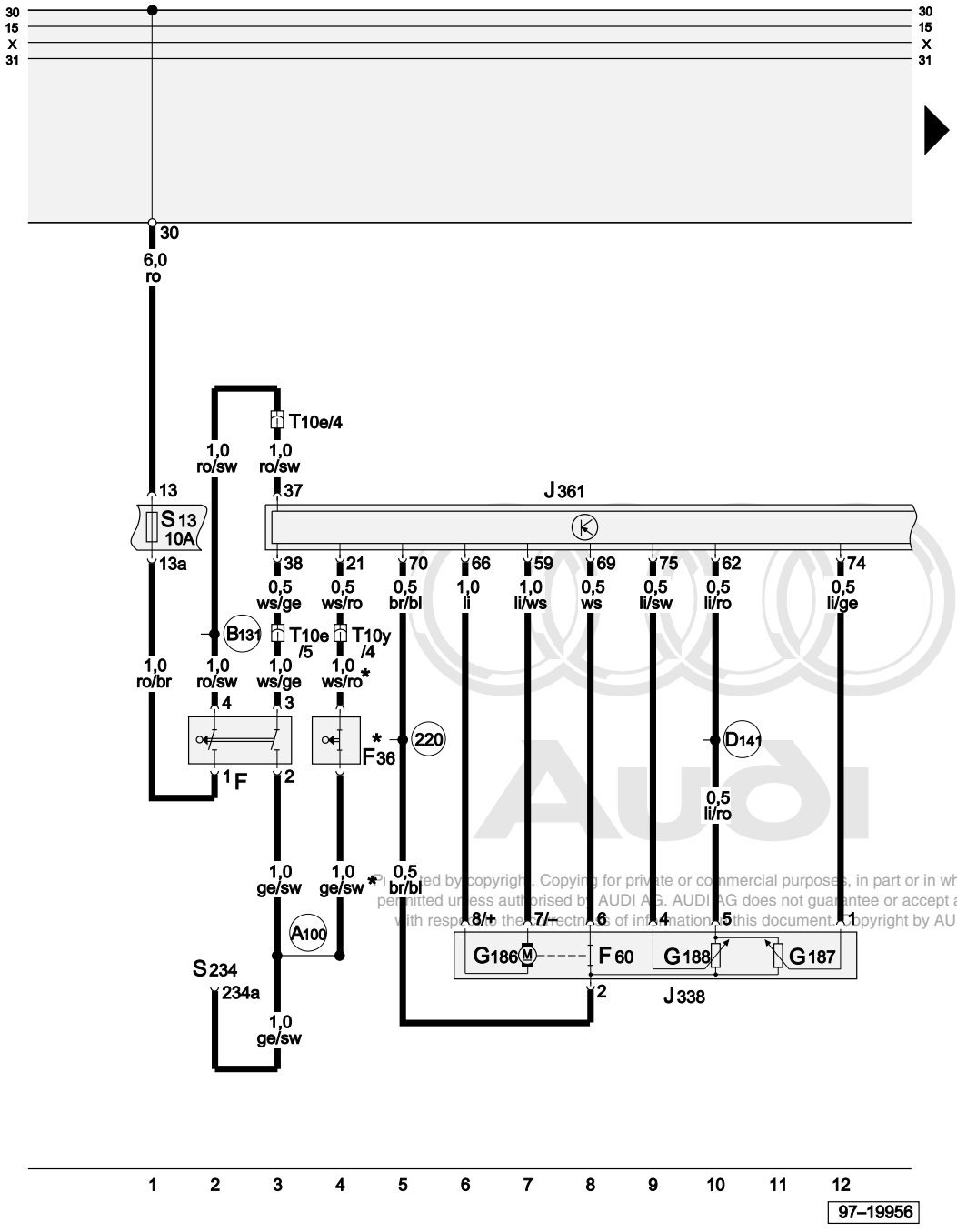


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

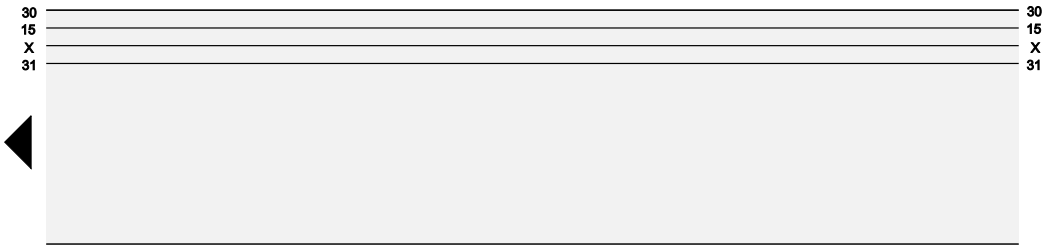


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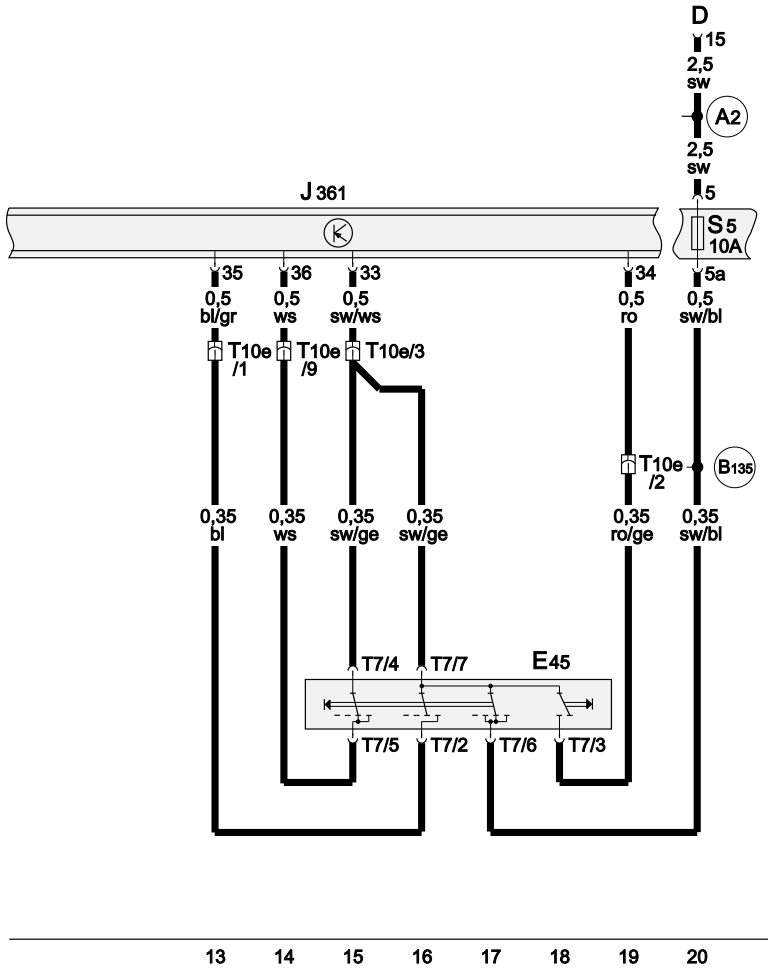
Cruise control system (for 1.6 litre Simos, 4-cylinder)

F	Brake light switch
F36	Clutch pedal switch
F60	Idling switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J338	Throttle valve control unit
J361	Simos control unit
T10e	10-pin connector, black, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
A100	Connection -2- (87), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with manual gearbox



Cruise control system (for 1.6 litre Simos, 4-cylinder)

D	Ignition/starter switch
E45	Cruise control system switch
J361	Simos control unit
T7	7-pin connector, behind steering column switch trim
T10e	10-pin connector, black, in plenum chamber
A2	Positive (+) connection (15), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness



97–19957

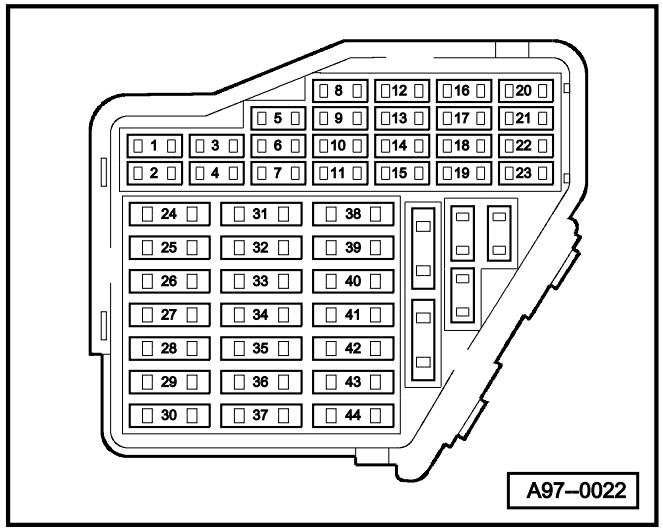
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rs	=	pink

Automatic anti-dazzle interior mirror

From model year 1998

Fuse box:

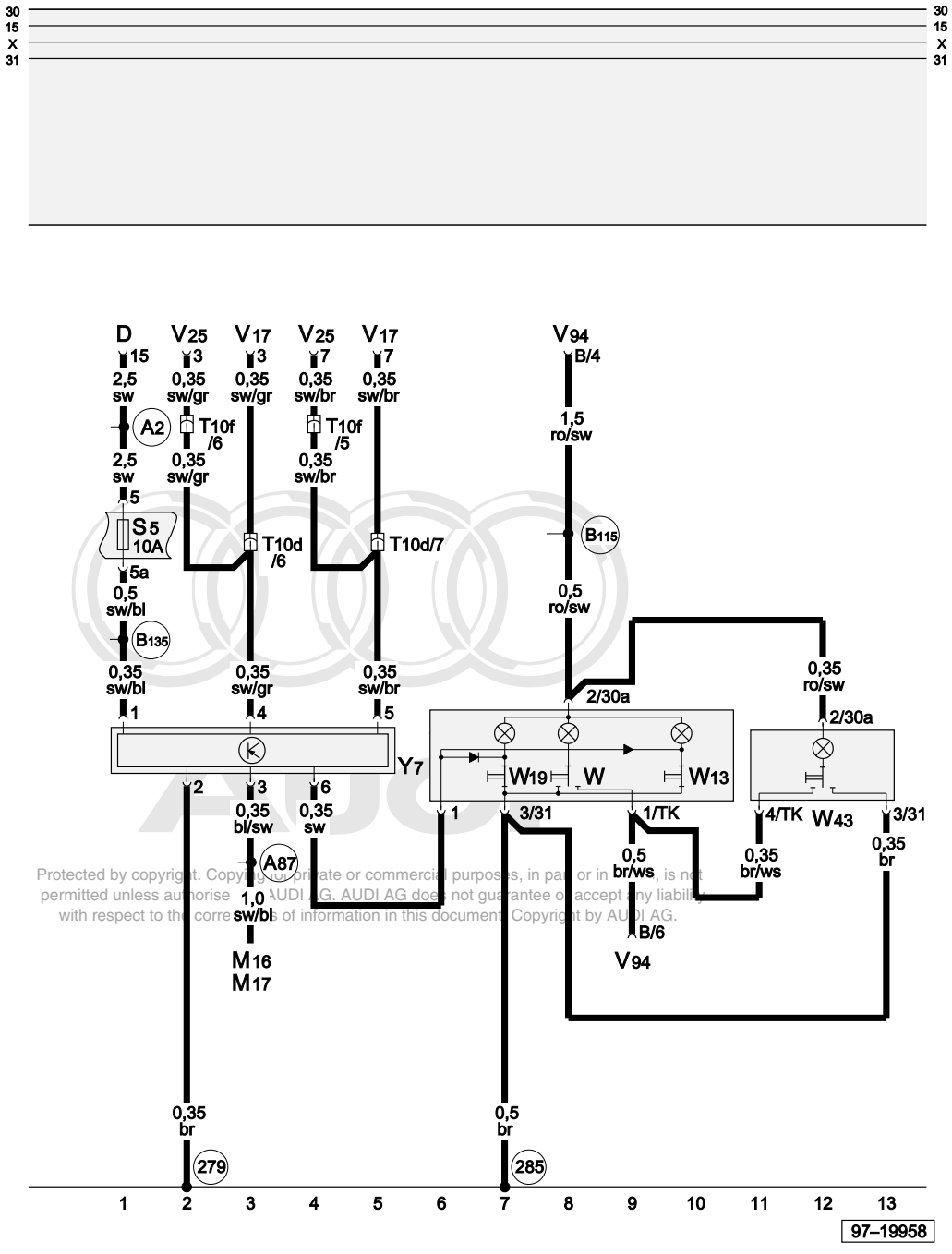


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

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Fuse colours

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



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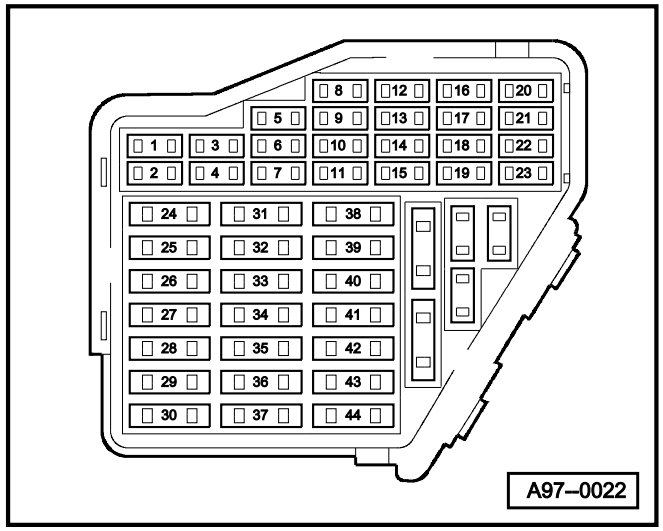
Automatic anti-dazzle interior mirror

D	Ignition/starter switch
M16	Reversing light bulb, left
M17	Reversing light bulb, right
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
V17	Mirror adjustment motor, driver' side
V25	Mirror adjustment motor, front passenger's side
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W	Interior light, front
W13	Front passenger reading lamp
W19	Reading light, driver's side
W43	Rear interior light
Y7	Automatic anti-dazzle interior mirror
279	Earth connection -5-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A87	Connection (87), in dash panel wiring harness
B115	Positive (+) connection (30, central electrics), in interior wiring harness
B135	Connection -1- (15a), in interior wiring harness

Provision for radio

From model year 1998

Fuse box:

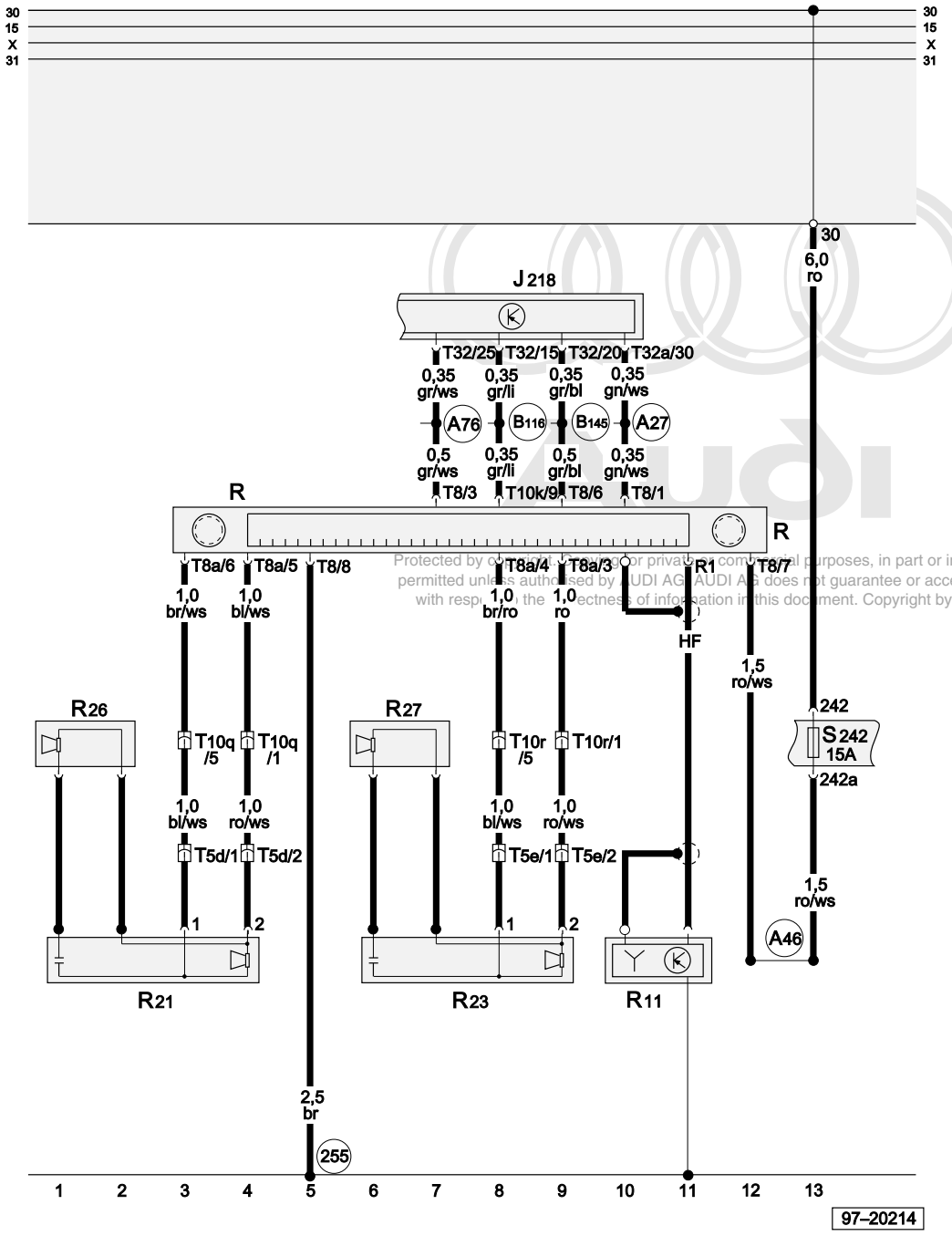


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

30 A - green
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15 A - blue
10 A - red
5A - beige

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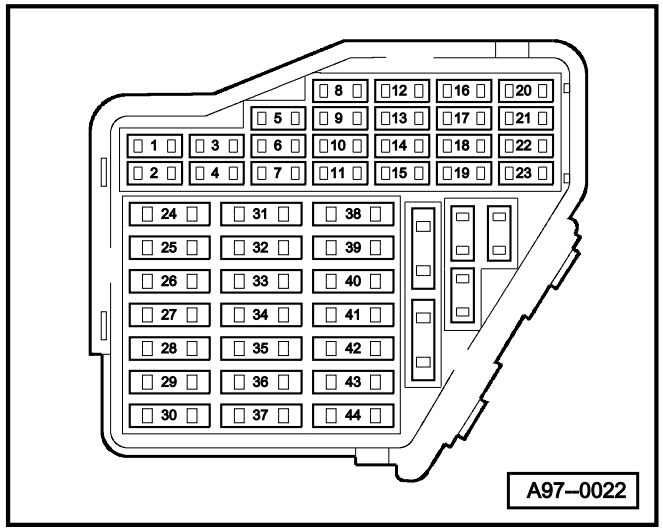
Provision for radio

J218	Combi-processor in dash panel insert
R	Radio
R11	Aerial
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
T8	8-pin connector, on radio
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
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
255	Earth connection -1-, in radio wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A46	Positive (+) connection (30 - from radio), 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

Fog lights

From model year 1998

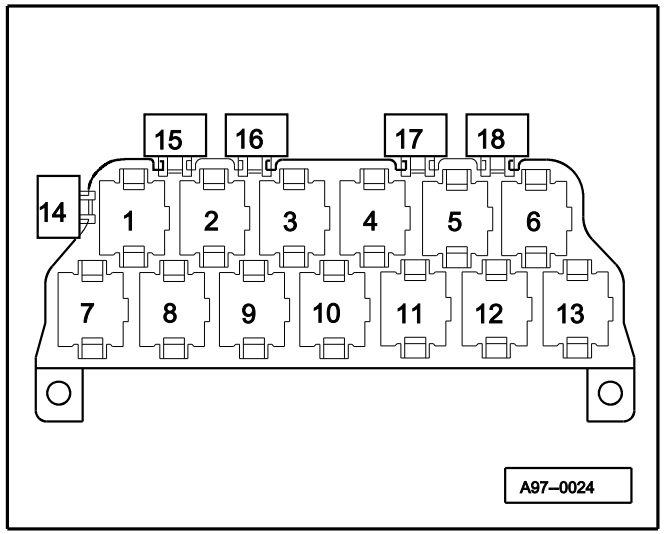
Fuse box:



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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.

13-point relay carrier:



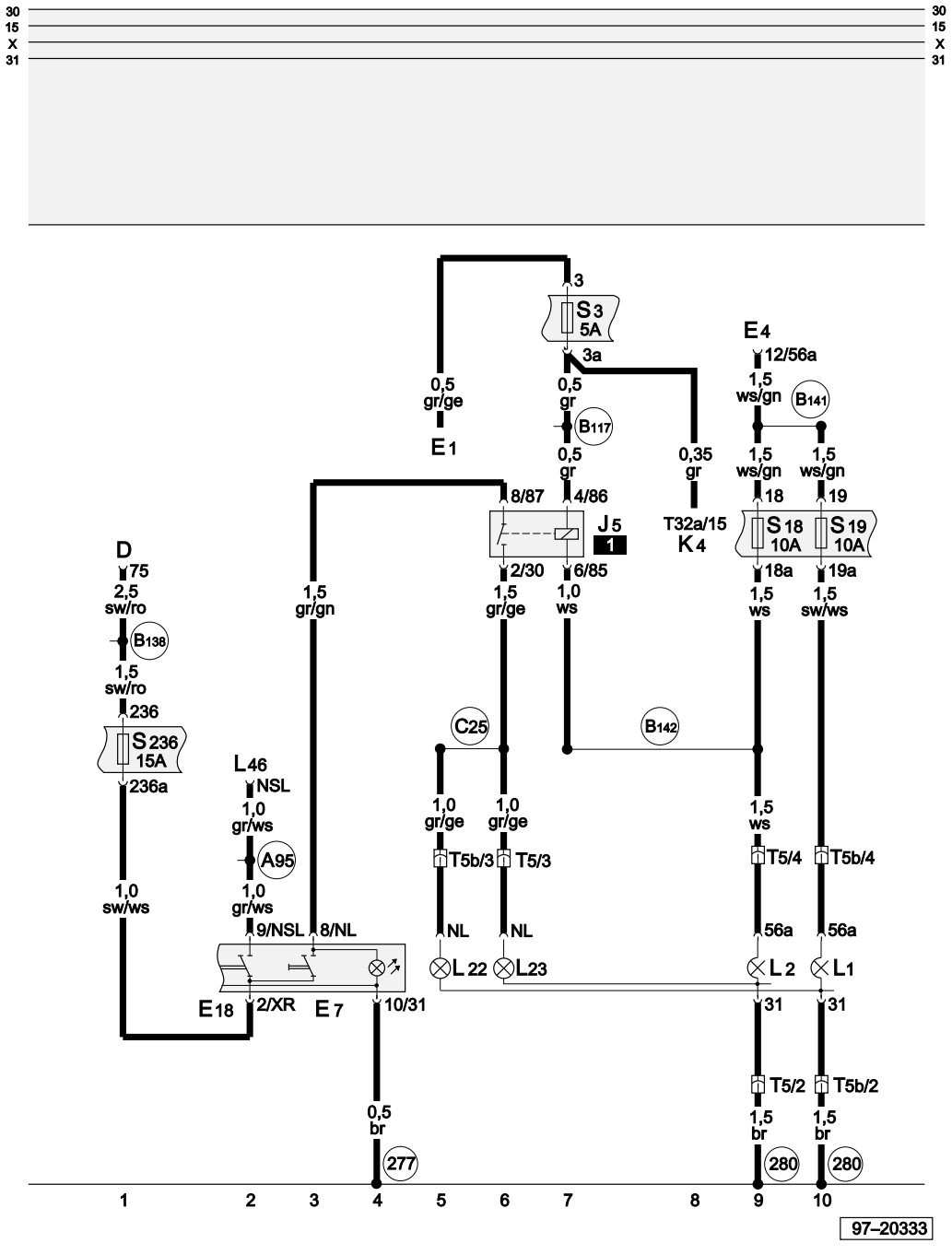
Position of relays:

1 - Fog light relay

Fuse colours

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

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Fog lights

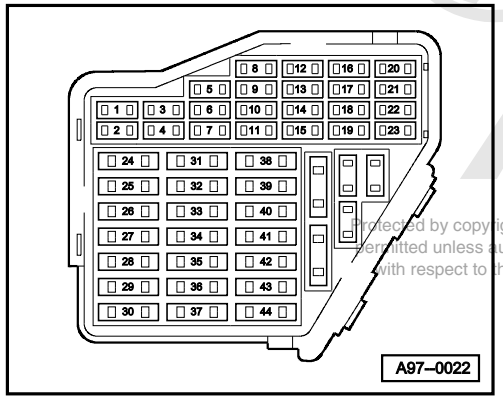
D	Ignition/starter switch
E1	Lighting switch
E4	Headlight dipper/flasher switch
E7	Fog light switch
E18	Rear fog light switch
J5	Fog light relay
K4	Side light warning lamp
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
L22	Fog light bulb, left
L23	Fog light bulb, right
L46	Rear fog light bulb, left
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
T32a	32-pin connector, green, on dash panel insert
277	Earth connection -3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A95	Connection (RFL), in dash panel wiring harness
B117	Positive (+) connection (58a), in interior wiring harness
B138	Positive (+) connection -1- (x), in interior wiring harness
B141	Positive (+) connection -2- (56a), in interior wiring harness
B142	Positive (+) connection -2- (56a), in interior wiring harness
C25	Connection (fog light), in front lighting wiring harness

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Basic equipment and Audi A3 (1.8 litre fuel injection engine, 92 kW, Motronic, 4-cylinder - with manual throttle operation), engine codes AGN

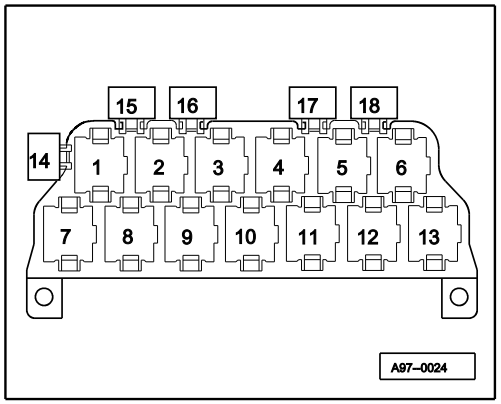
From model year 1999

Fuse box:



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:

11 - Starter inhibitor and reversing light relay

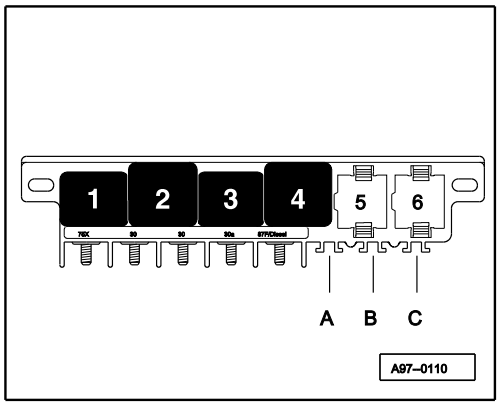
Fuse colours

30 A - green

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5A - beige

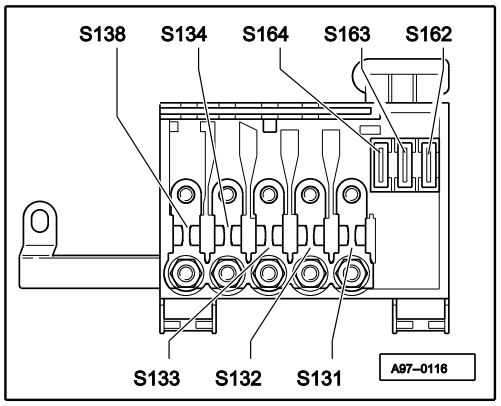
Micro-central electrics:



Position of relays:

1 - Dual tone horn relay
2 - X contact relief relay
3 - Free
4 - Fuel pump relay
5,6 - Automatic intermittent wash/wipe relay

Main fuse box/battery:

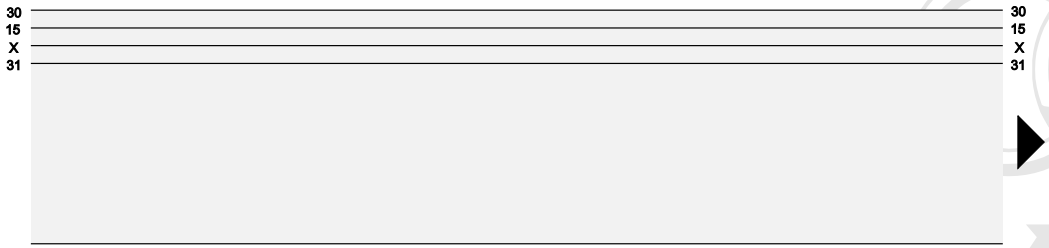


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Position of fuses:

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

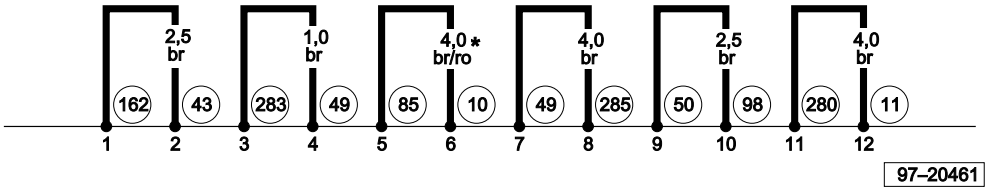
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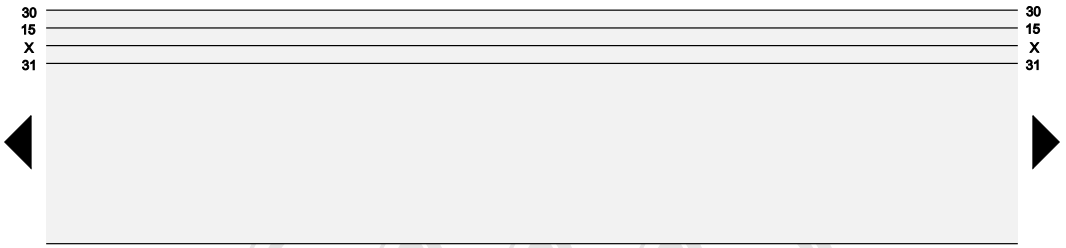
Earth connections

10	Earth point, in plenum chamber
11	Earth point, in battery box
43	Earth point, lower part of right A-pillar
49	Earth point, next to steering columm, left
50	Earth point, on left luggage compartment
85	Earth connection -1-, in engine compartment wiring harness
98	Earth connection, in tailgate/boot lid wiring harness
162	Earth connection, in blower motor wiring harness
280	Earth connection -2-, in engine compartment wiring harness
283	Earth connection -2-, in engine prewiring wiring harness
285	Earth connection -7-, in interior wiring harness
*	Export versions (only northern countries)

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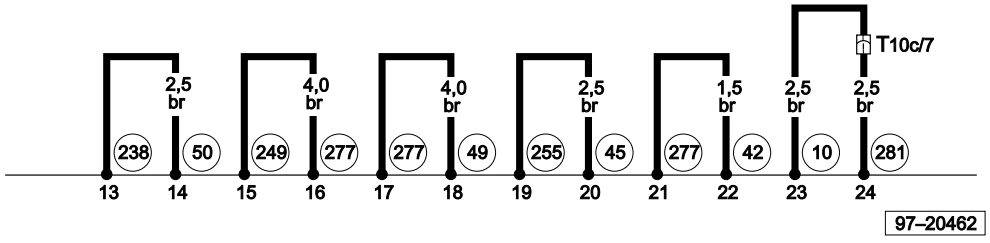


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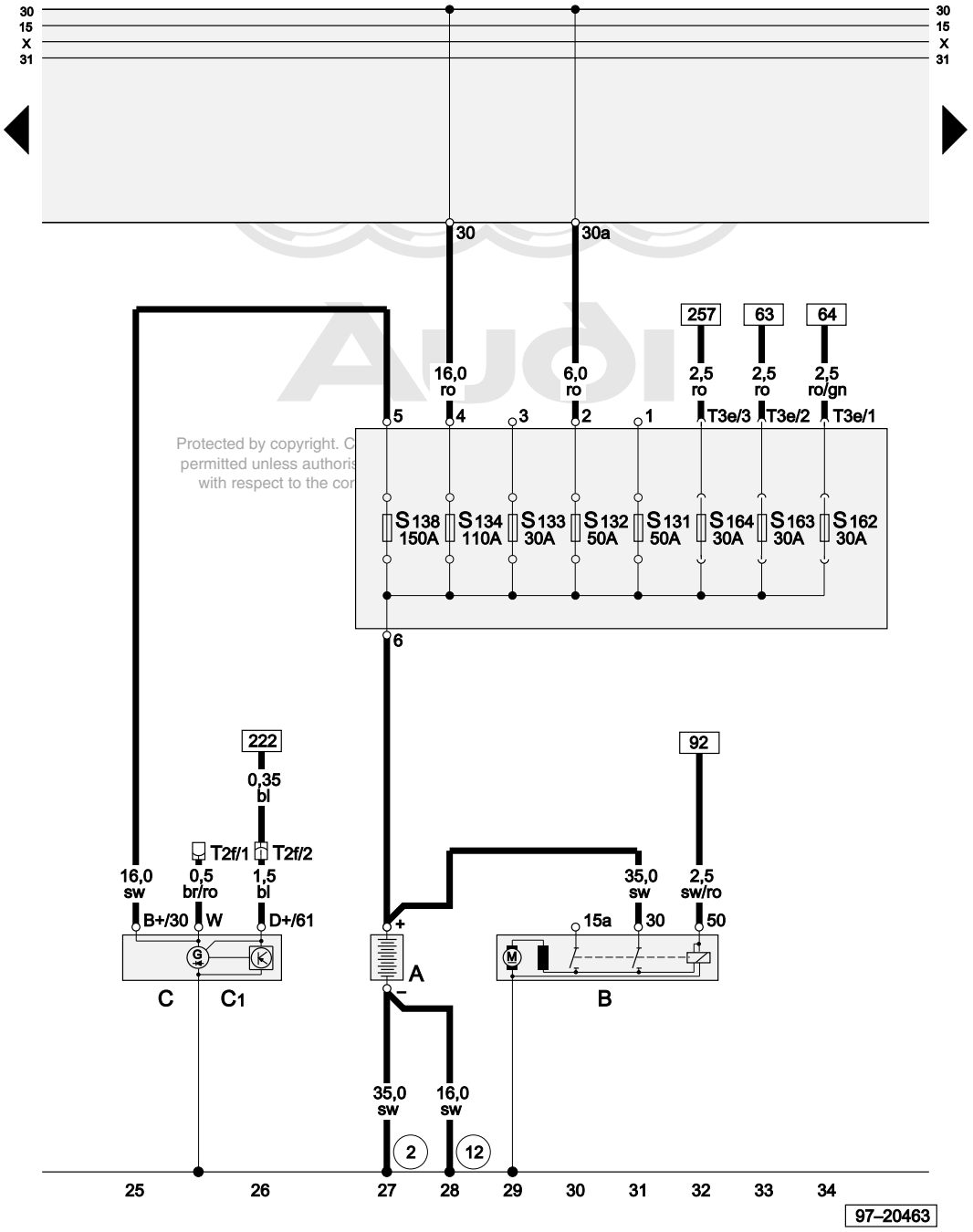
Earth connections

T10c 10-pin connector, black, wiring duct, in engine compartment, left

- 10 Earth point, in plenum chamber
- 42 Earth point, next to steering columm
- 45 Earth point, behind dash panel
- 49 Earth point, next to steering columm, left
- 50 Earth point, on left luggage compartment
- 238 Earth connection -1-, in interior wiring harness
- 249 Earth connection -2-, in interior wiring harness
- 255 Earth connection -1-, in radio wiring harness
- 277 Earth connection -3-, in interior wiring harness
- 281 Earth connection -1-, in engine prewiring wiring harness



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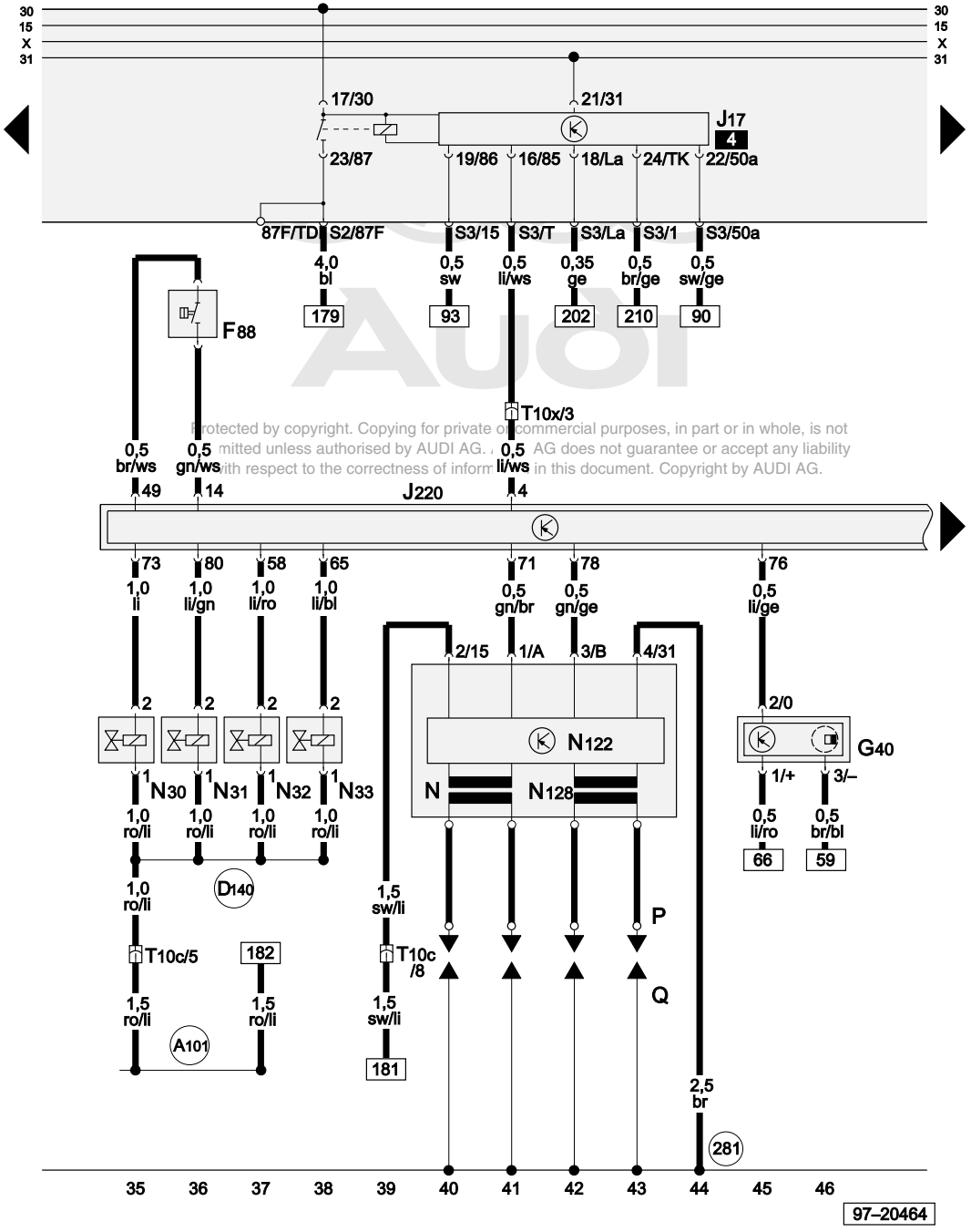


Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
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
T2f	2-pin connector, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
(2)	Earth strap, gearbox - body
(12)	Earth point, in engine compartment, left

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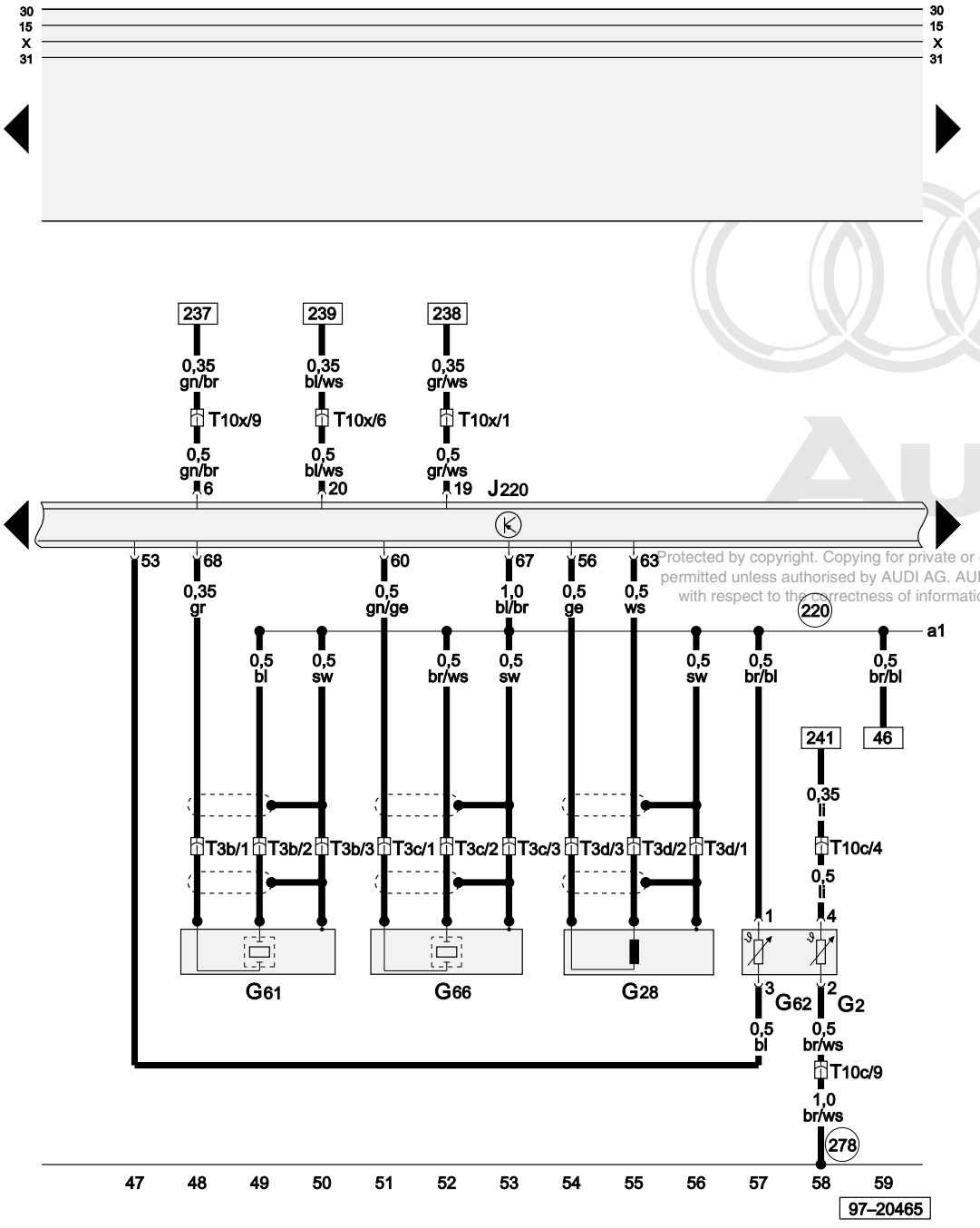


Motronic control unit, fuel pump relay, injectors, ignition system, Hall sender

F88	Power assisted steering pressure switch
G40	Hall sender
J17	Fuel pump relay
J220	Motronic control unit
N	Ignition coil 1
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
281	Earth connection -1-, in engine prewiring wiring harness
A101	Connection -3- (87), in dash panel wiring harness
D140	Connection (injectors), in engine prewiring wiring harness

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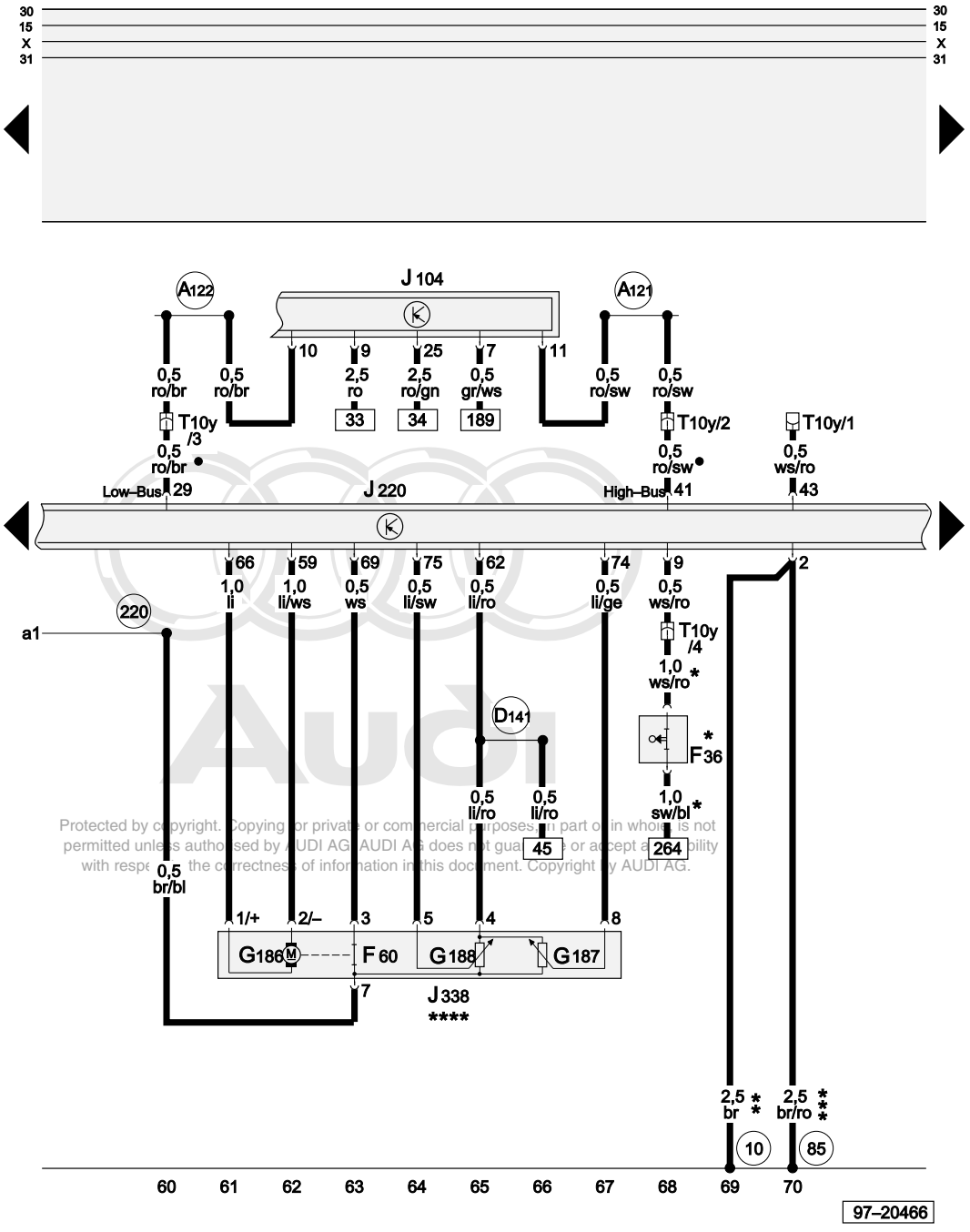


Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J220	Motronic control unit
T3b	3-pin connector, black, in engine compartment
T3c	3-pin connector, brown, in engine compartment
T3d	3-pin connector, grey, in engine compartment
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
278	Earth connection -4-, in interior wiring harness

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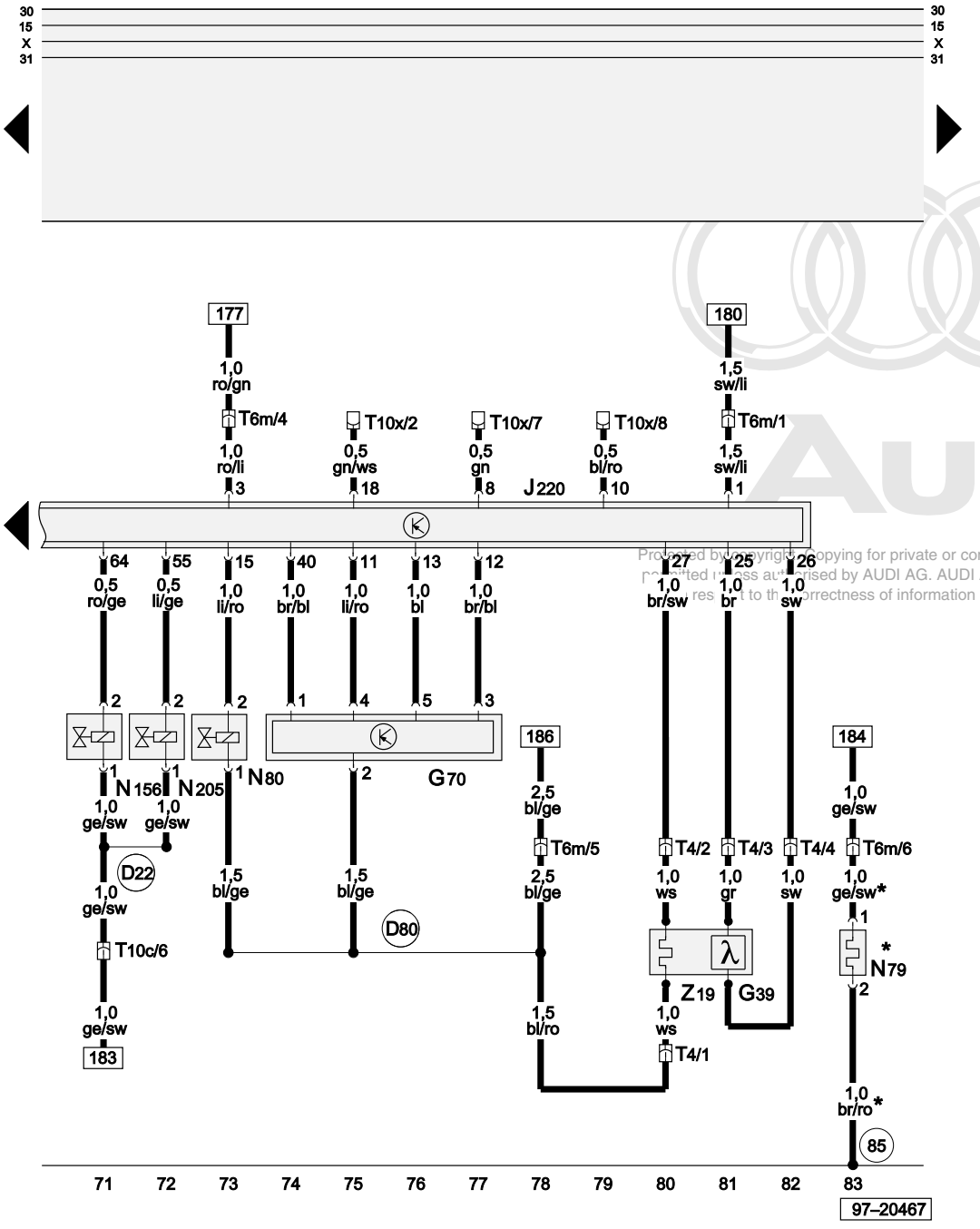


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Motronic control unit, throttle valve control unit

F36	Clutch pedal switch
F60	Idling switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J220	Motronic control unit
J338	Throttle valve control unit
T10y	10-pin connector, green, in plenum chamber
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with manual gearbox
**	Does not apply to northern countries
***	Only northern countries
****	Wiring of connections on models without cruise control system Wiring of connections on models with cruise control system, see applicable Current Flow Diagram: Cruise control system
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	Data wire (CAN bus)

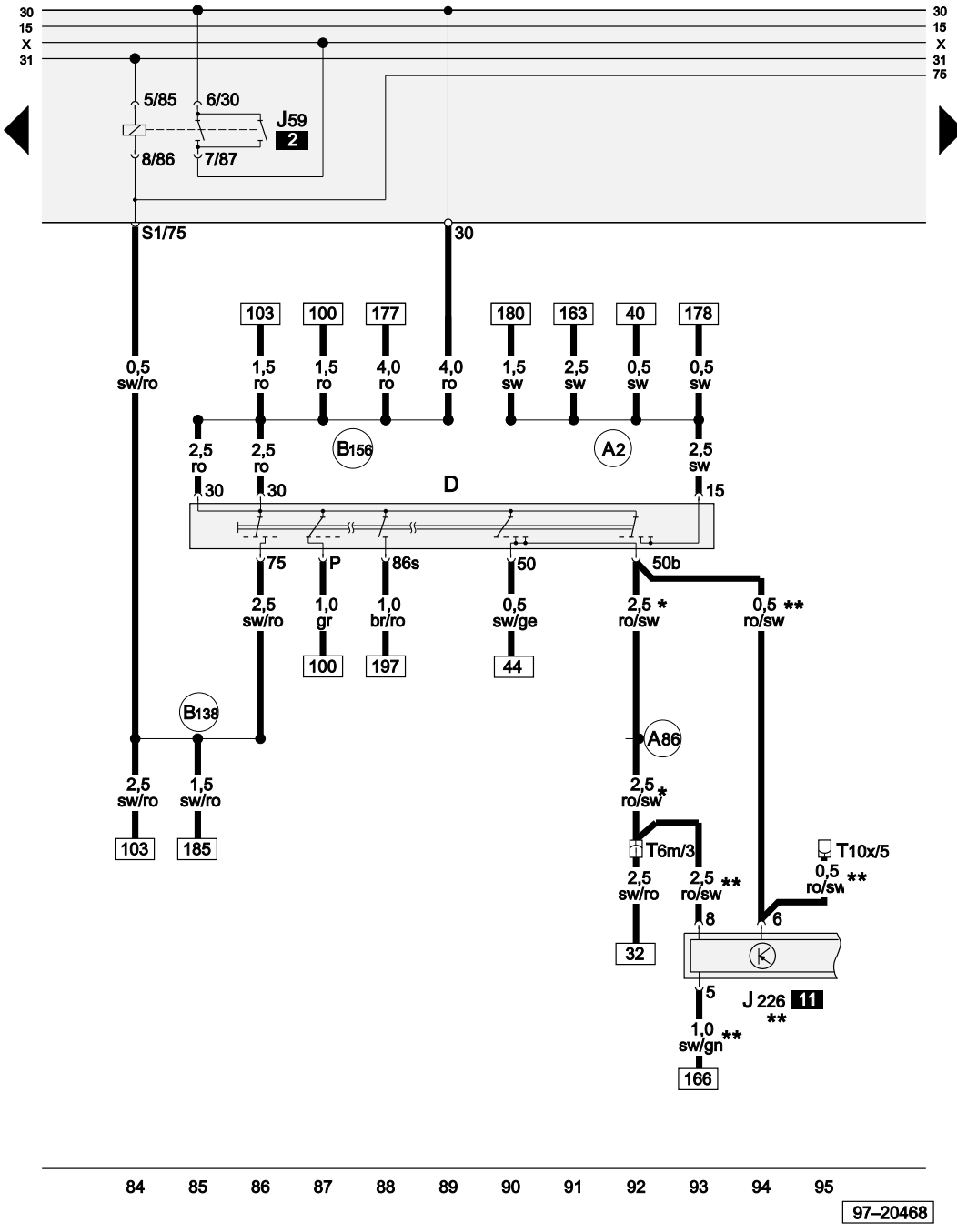


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Motronic control unit, lambda probe, air mass meter, inlet camshaft timing adjustment valve, activated charcoal filter system solenoid valve, intake manifold change-over valve

G39	Lambda probe
G70	Air mass meter
J220	Motronic control unit
N79	Heater element (crankcase breather)
N80	Activated charcoal filter system solenoid valve 1
N156	Intake manifold change-over valve
N205	Inlet camshaft timing adjustment valve -1-
T4	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
85	Earth connection -1-, in engine compartment wiring harness
D22	Connection (via fuse 234), in front right wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Export versions (only northern countries)

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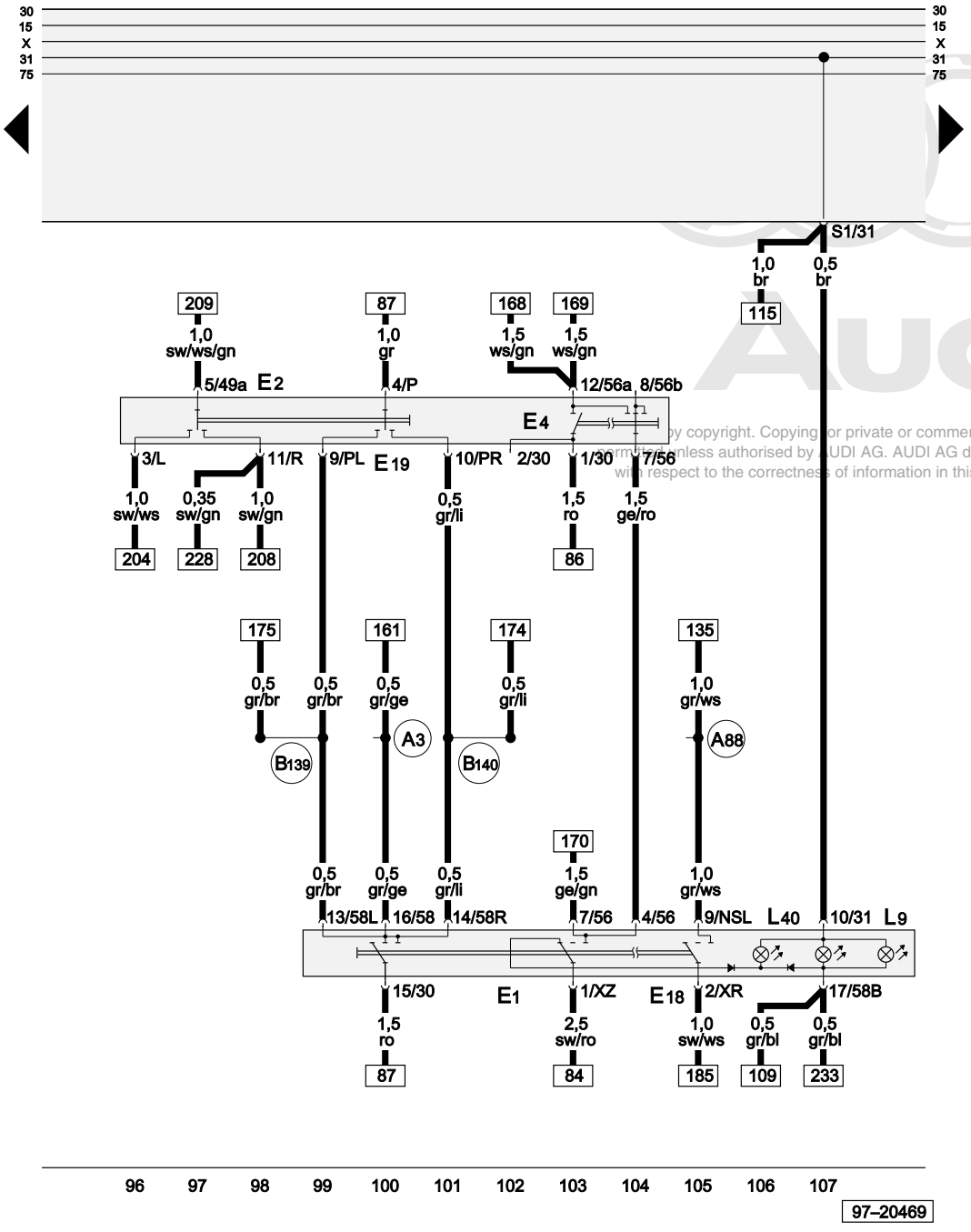


Ignition/starter switch, X contact relief relay

D	Ignition/starter switch
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
A2	Positive (+) connection (15), in dash panel wiring harness
A86	Connection (50a), in dash panel wiring harness
B138	Positive (+) connection -1- (x), in interior wiring harness
B156	Positive (+) connection -4- (30), in interior wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

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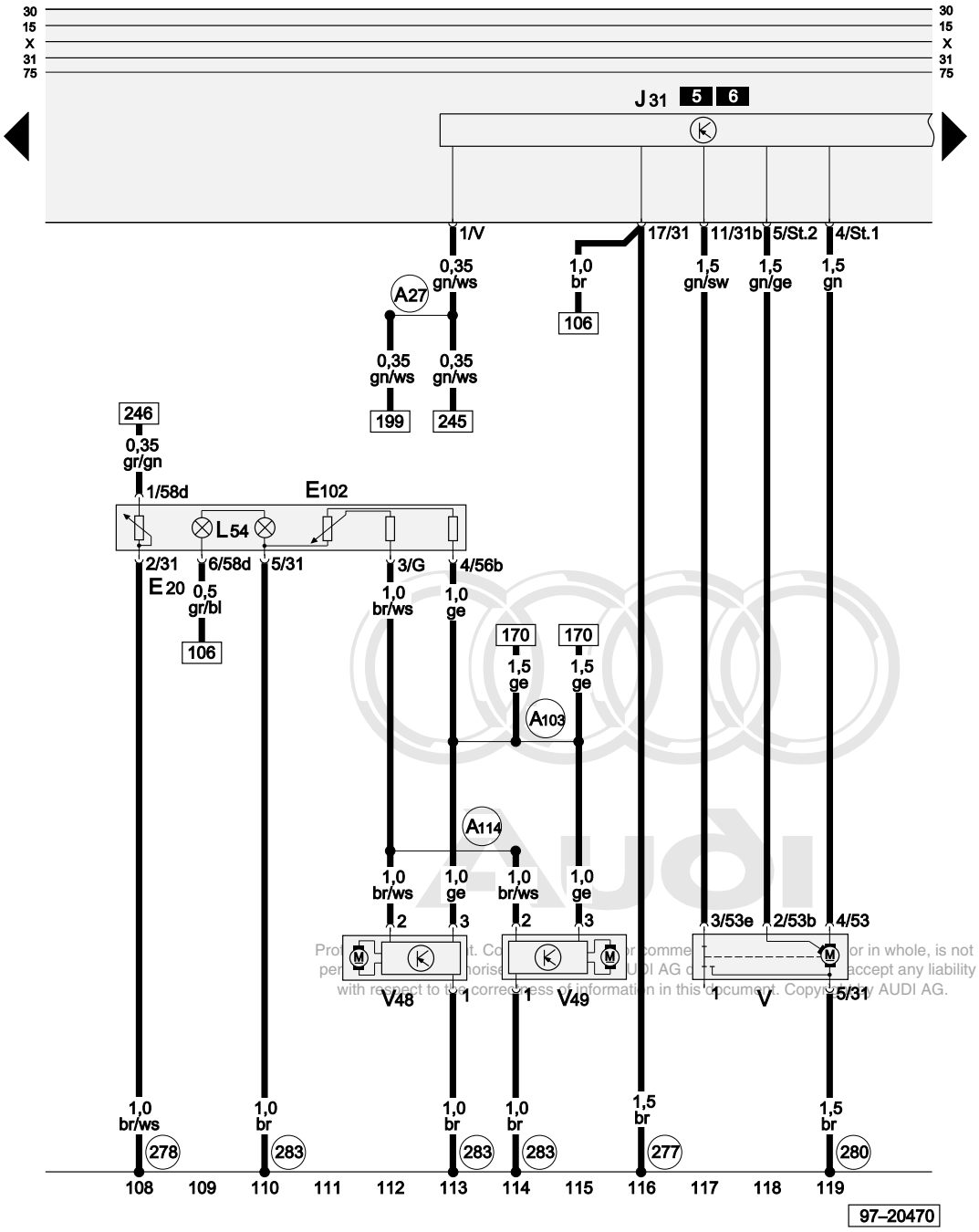
Lighting switch, steering column switch - left

E1	Lighting switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
E19	Parking light switch
L9	Lighting switch light bulb
L40	Front and rear fog light switch bulb
A3	Positive (+) connection (58), in dash panel wiring harness
A88	Connection (RFL), in dash panel wiring harness
B139	Connection (PLL), in interior wiring harness
B140	Connection (PLR), in interior wiring harness

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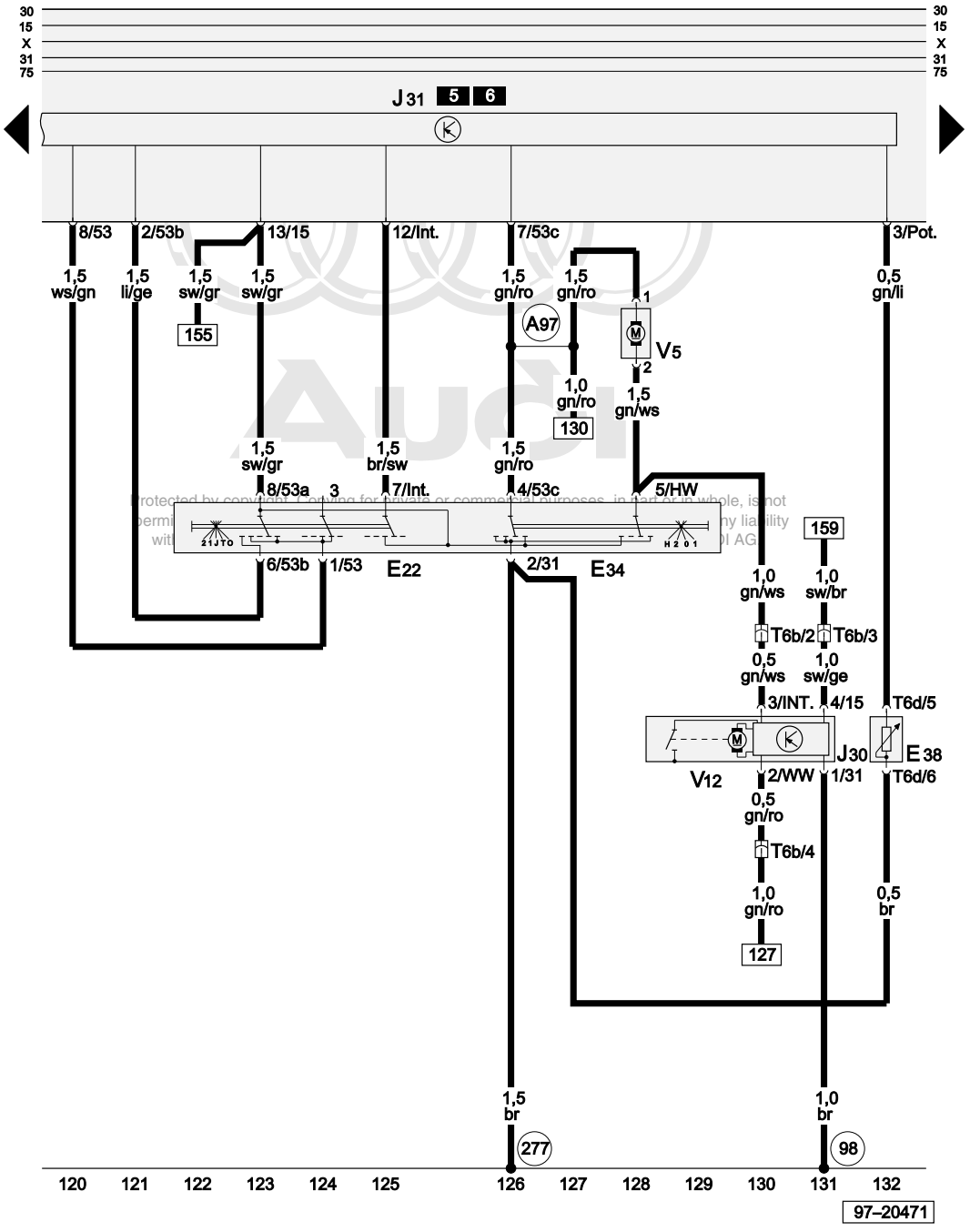


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Switches and instruments - lighting control, headlight range control, windscreen washer/wiper system

E20	Switches and instruments, lighting control
E102	Headlight range control adjuster
J31	Automatic intermittent wash/wipe relay
L54	Headlight range control adjuster light bulb
V	Windscreen wiper motor
V48	Headlight range control motor, left
V49	Headlight range control motor, right
277	Earth connection -3-, in interior wiring harness
278	Earth connection -4-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
283	Earth connection -2-, in engine prewiring 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

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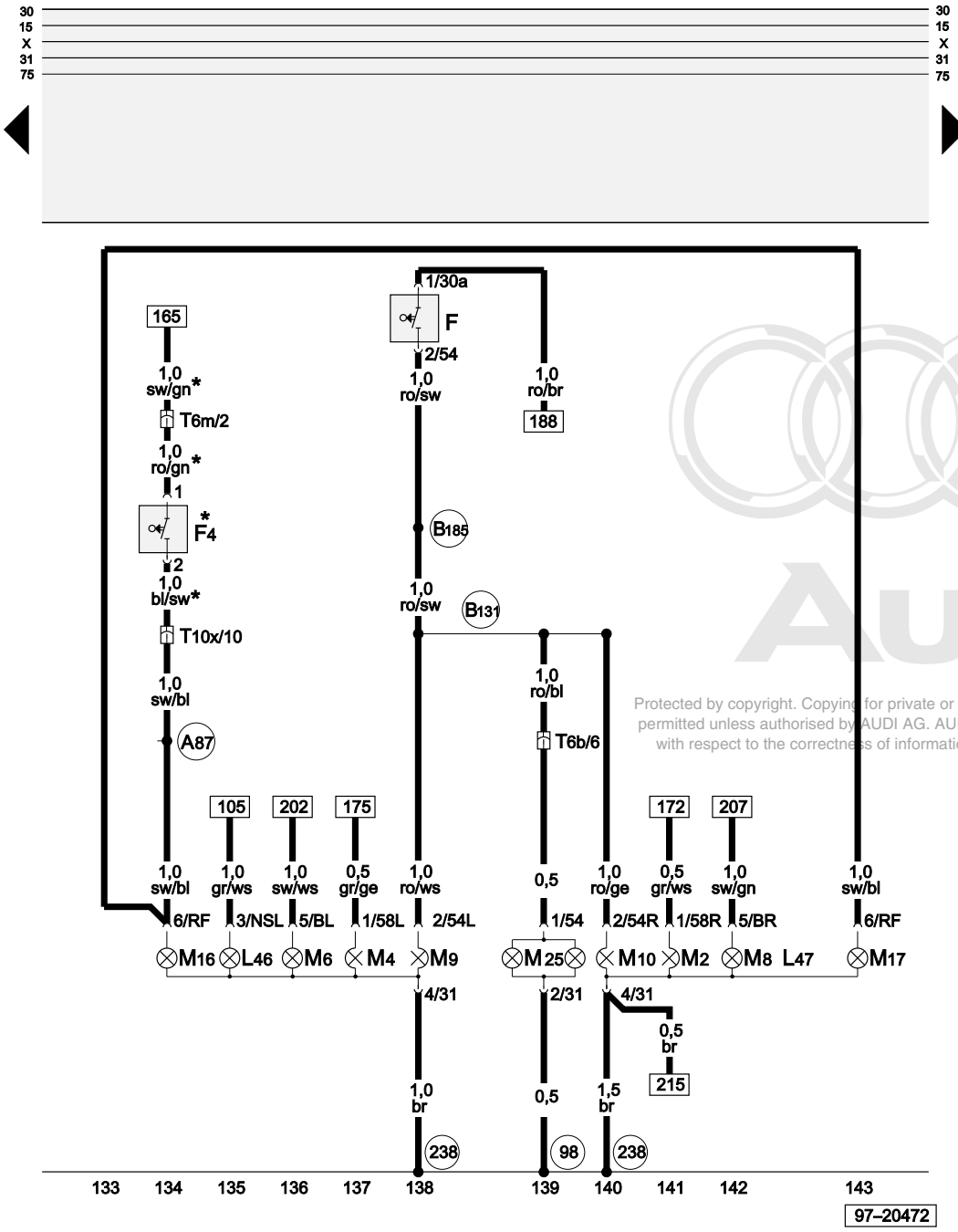


Right steering column switch, windscreen washer/wiper system, rear window wiper

E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper control
J30	Rear window wiper/washer relay
J31	Automatic intermittent wash/wipe relay
T6b	6-pin connector, blue, in luggage compartment, left
T6d	6-pin connector, brown, behind steering column switch trim
V5	Windscreen washer pump
V12	Rear window wiper motor
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection -3-, in interior wiring harness
A97	Connection (53), in dash panel wiring harness

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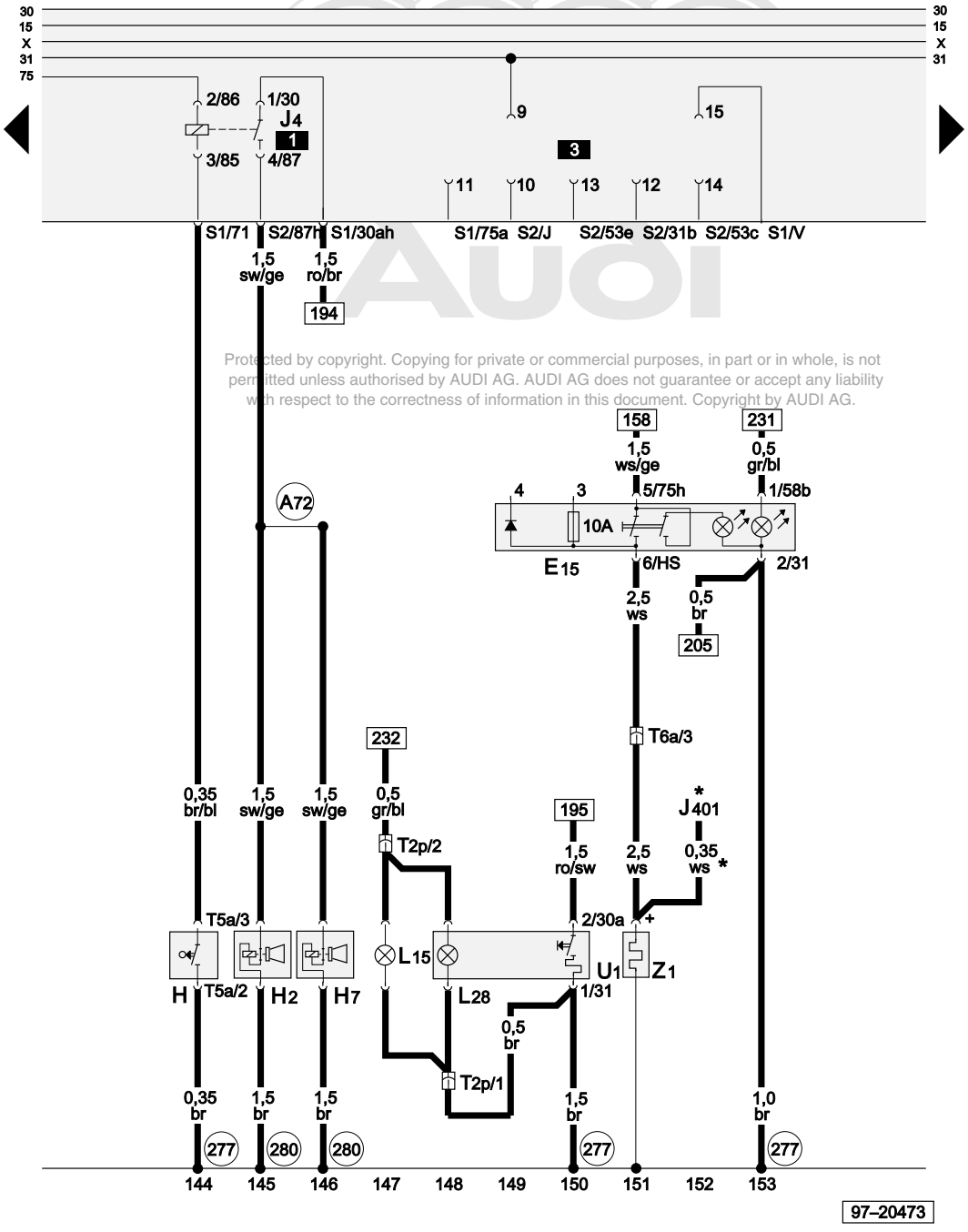


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Tail lights, brake lights, reversing lights, rear fog light

F	Brake light switch
F4	Reversing light switch
L46	Rear fog light bulb, left
L47	Rear fog light bulb, right
M2	Tail light bulb, right
M4	Tail light bulb, left
M6	Turn signal bulb, rear left
M8	Turn signal bulb, rear right
M9	Brake light bulb, left
M10	Brake light bulb, right
M16	Reversing light bulb, left
M17	Reversing light bulb, right
M25	High level brake light bulb
T6b	6-pin connector, blue, in luggage compartment, left
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
98	Earth connection, in tailgate/boot lid wiring harness
238	Earth connection -1-, in interior wiring harness
A87	Connection (RL), in dash panel wiring harness
B131	Positive (+) connection (54), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with manual gearbox

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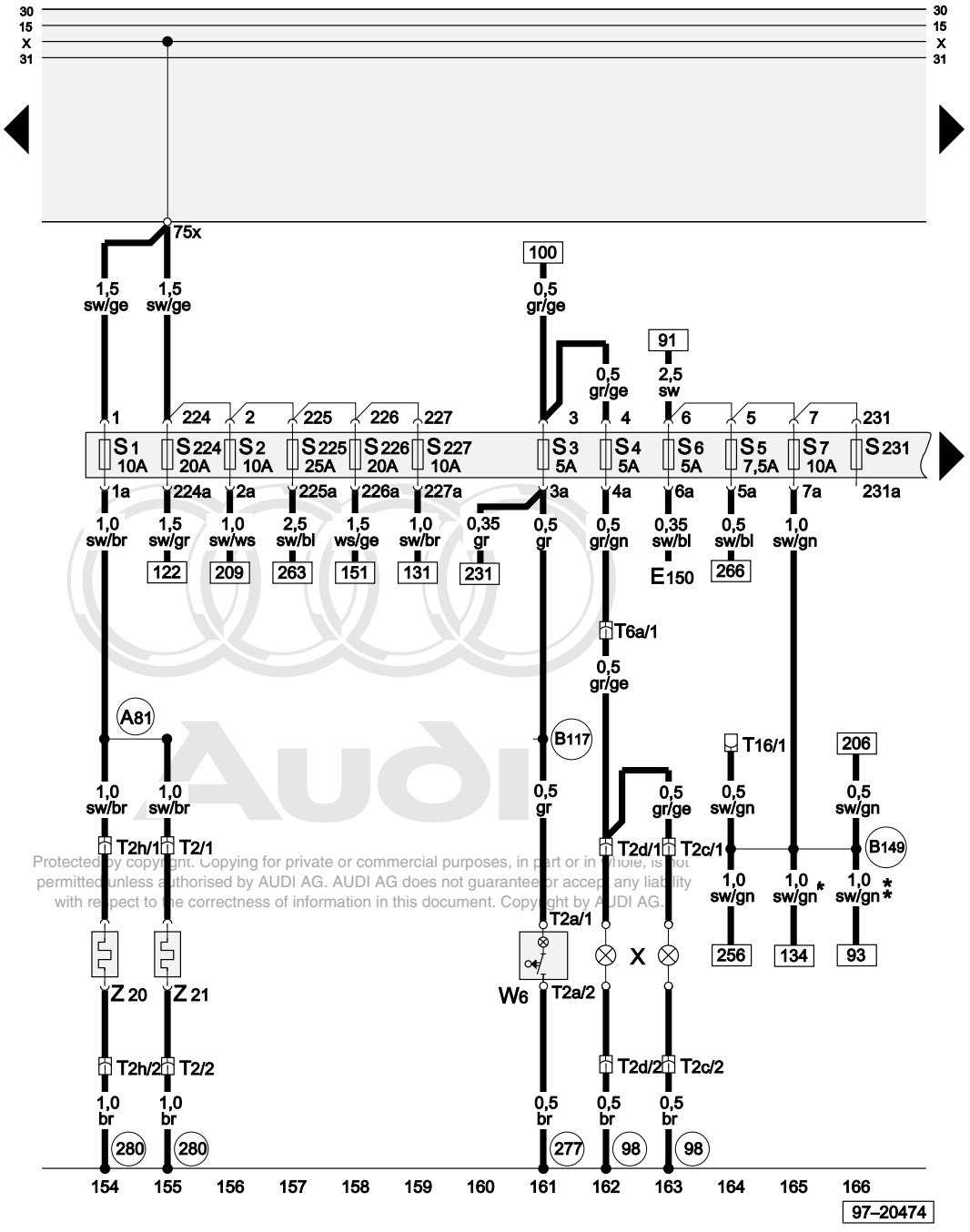


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Horn, heated rear window, cigarette lighter, illuminated ashtray

E15	Heated rear window switch
H	Horn plate
H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
J401	Navigation system with CD drive control unit
L15	Ashtray light bulb
L28	Cigarette lighter light bulb
T2p	2-pin connector, behind console
T5a	5-pin connector, yellow, behind steering column switch trim
T6a	6-pin connector, black, in luggage compartment, left
U1	Cigarette lighter
Z1	Heated rear window
277	Earth connection -3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A72	Connection (71), in dash panel wiring harness
*	Only models with navigation system

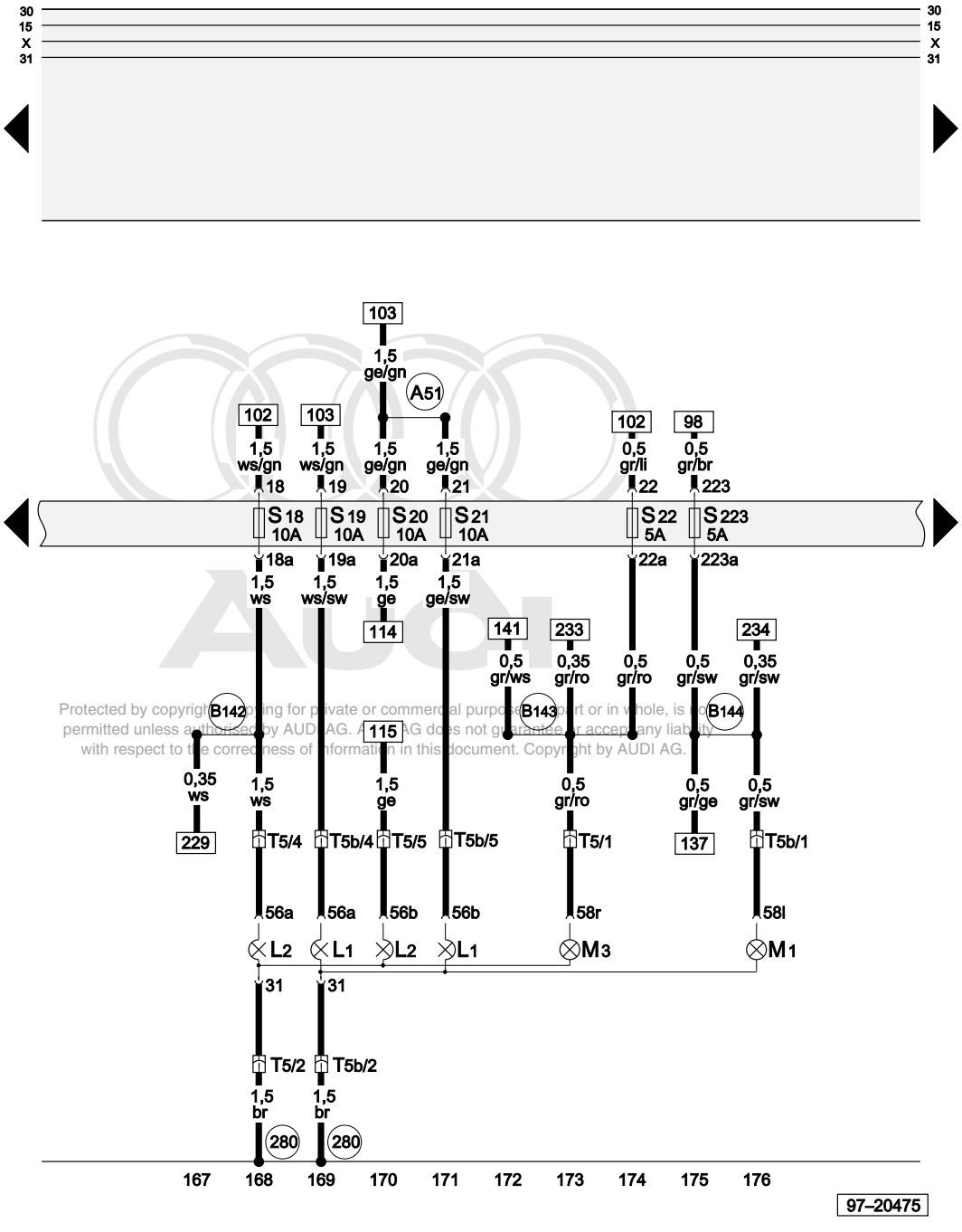


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Fuse box, number plate light, glove box light, heated washer jets

E150	Interior locking switch
T2	2-pin connector, on plenum chamber, right
T2a	2-pin connector, black, behind side of dash panel, right
T2c	2-pin connector, black, in tailgate/boot lid, right
T2d	2-pin connector, black, in tailgate/boot lid, left
T2h	2-pin connector, on plenum chamber, right
T6a	6-pin connector, black, in luggage compartment, left
T16	16-pin connector, black, centre console compartment (diagnosis connector)
W6	Glove box light
X	Number plate light
Z20	Heater element, left washer jet
Z21	Heater element, right washer jet
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection -3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A81	Connection -2- (X), in dash panel wiring harness
B117	Connection (58a, right), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

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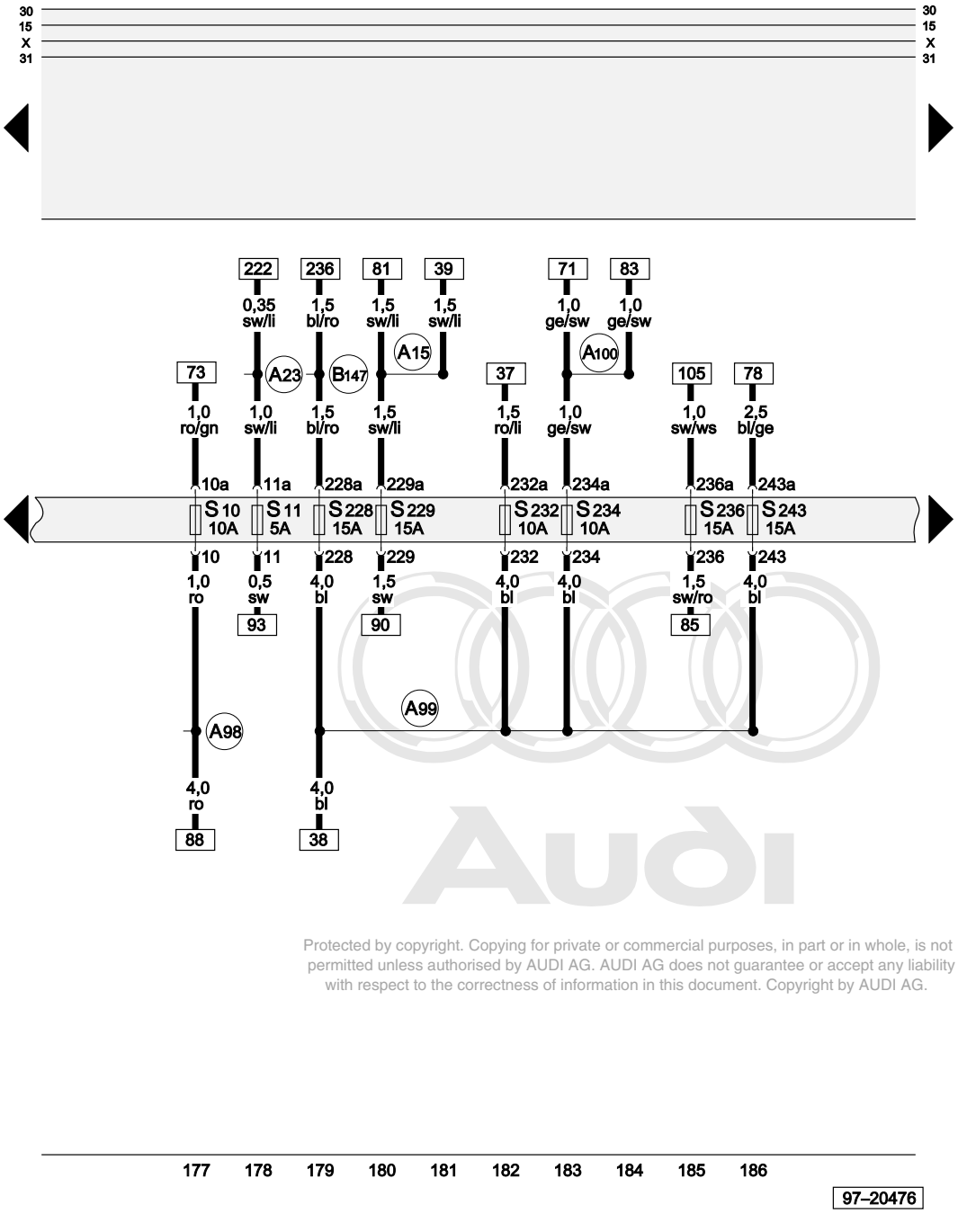


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Fuse box, headlights

L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M1	Side light bulb, left
M3	Side light bulb, right
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
280	Earth connection -2-, in engine compartment 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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Fuse box

A15 Positive (+) connection (15), in dash panel wiring harness

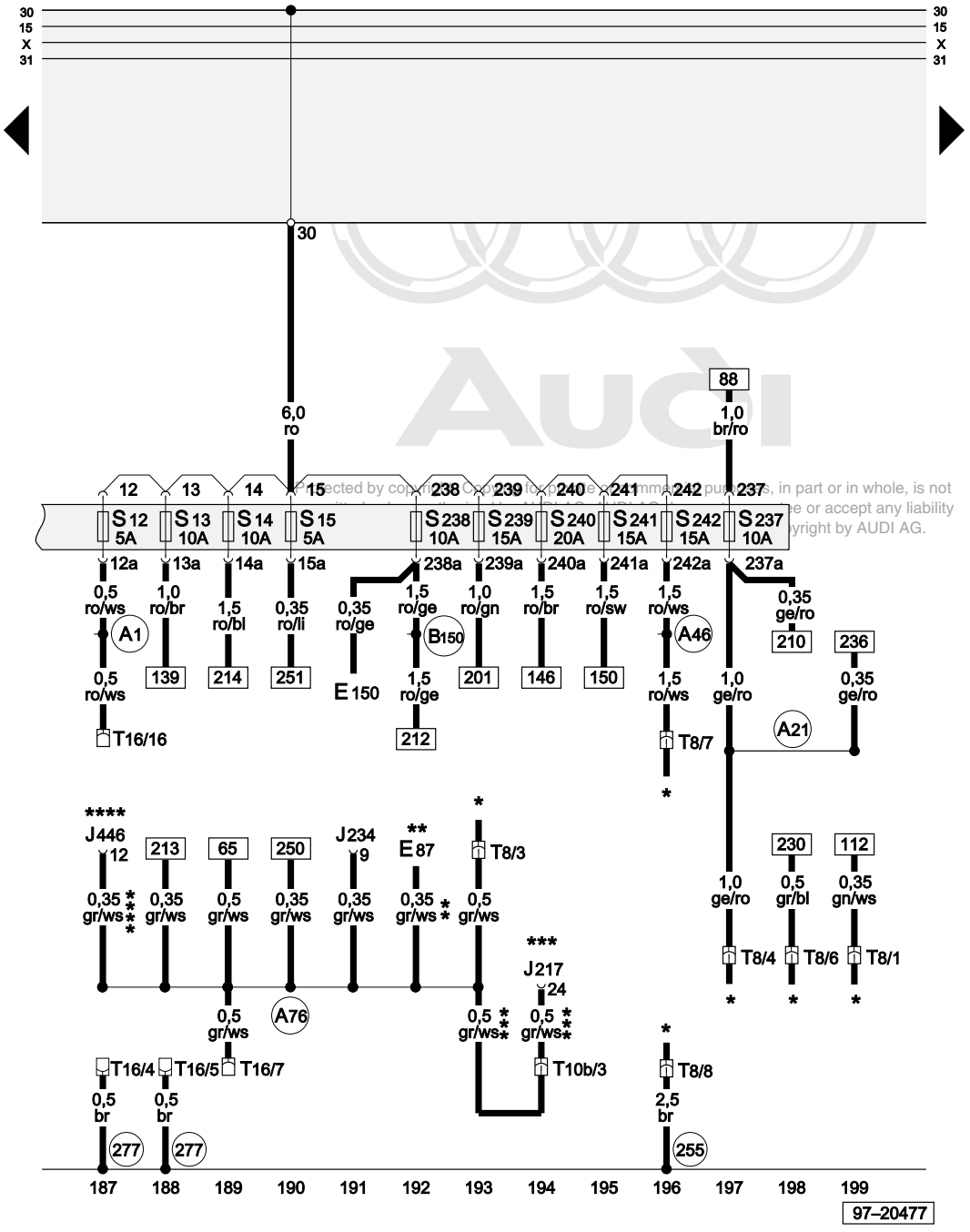
A23 Connection (30al), in dash panel wiring harness

A98 Positive (+) connection -4- (30a), in dash panel wiring harness

A99 Connection -1- (87), in dash panel wiring harness

A100 Connection -2- (87), in dash panel wiring harness

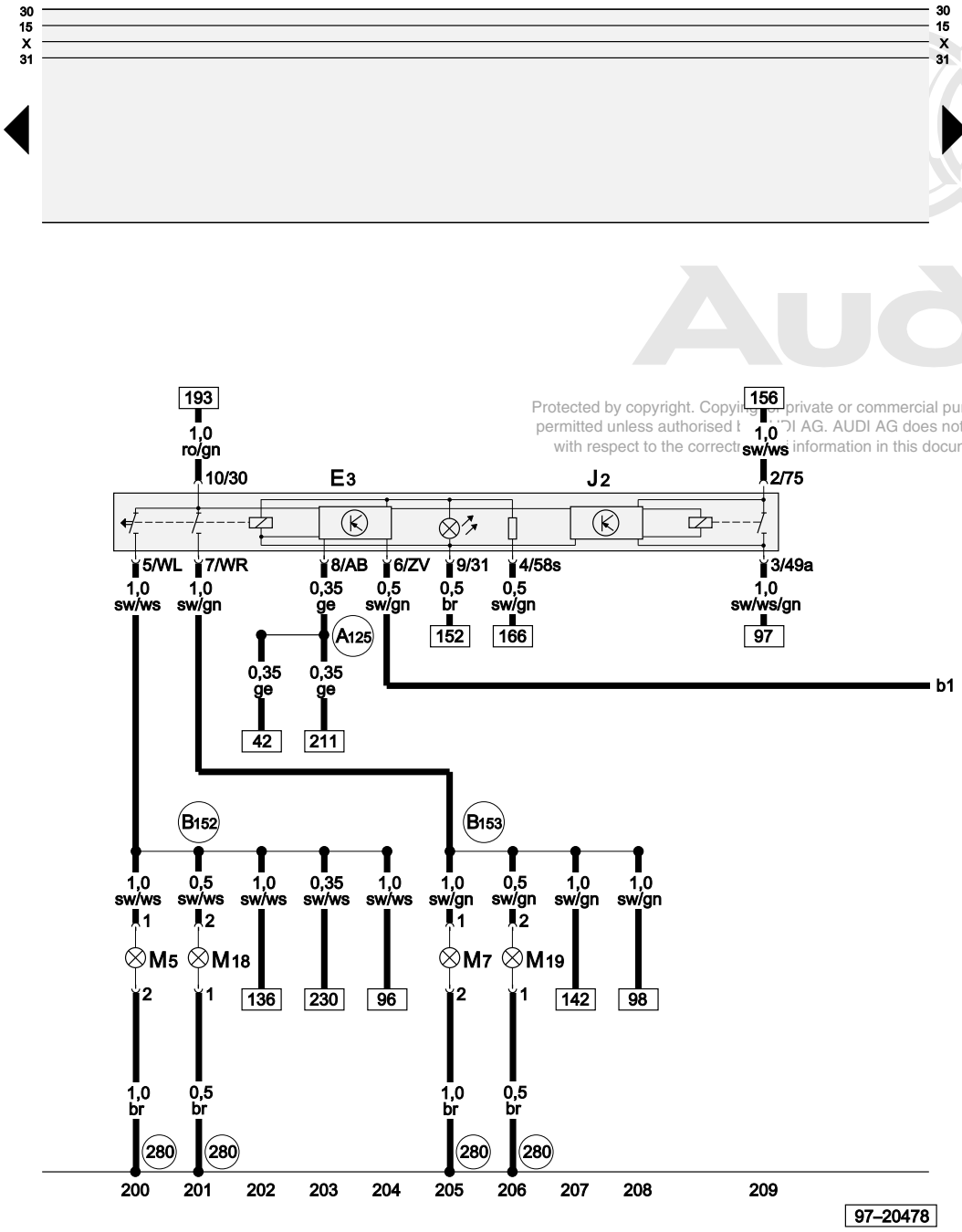
B147 Positive (+) connection -2- (87), in interior wiring harness



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Fuse box, diagnostic connector, provision for radio

E87	Control and display unit for air conditioner
E150	Interior locking switch, driver's side
J217	Automatic gearbox control unit
J234	Airbag control unit
J446	Parking aid control unit
T8	8-pin connector, near radio
T10b	10-pin connector, grey, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnosis 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
A21	Positive (+) connection (86s), in dash panel wiring harness
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
*	See applicable radio Current flow diagram
**	Only models with air conditioner
***	Only models with four speed automatic gearbox
****	Only models with parking aid

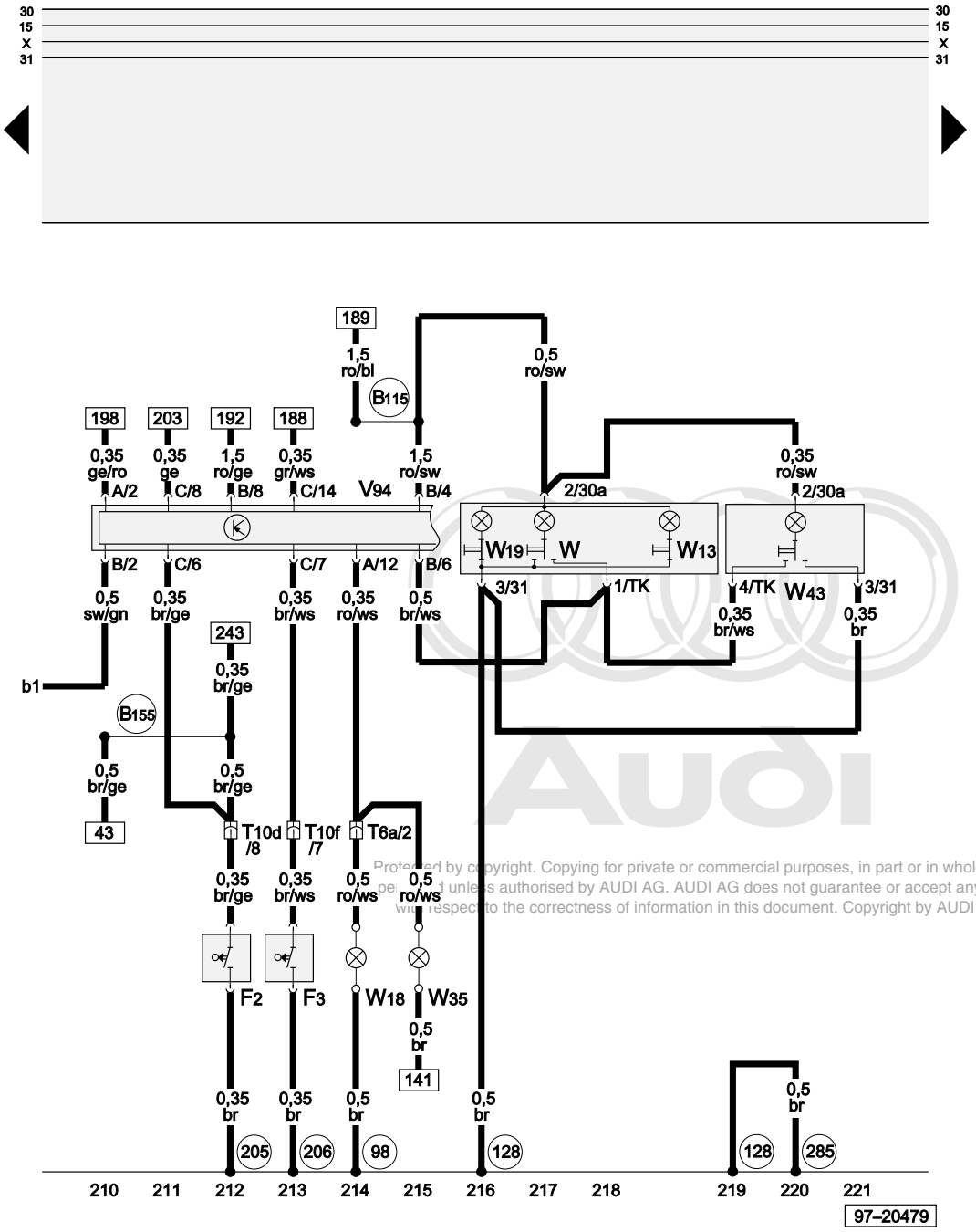


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Turn signals and hazard warning lights

E3	Hazard warning light switch
J2	Hazard warning light relay
M5	Turn signal bulb, front left
M7	Turn signal bulb, front right
M18	Side turn signal bulb, left
M19	Side turn signal bulb, right
280	Earth connection -2-, in engine compartment wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (TSR), in interior wiring harness

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rs	=	pink

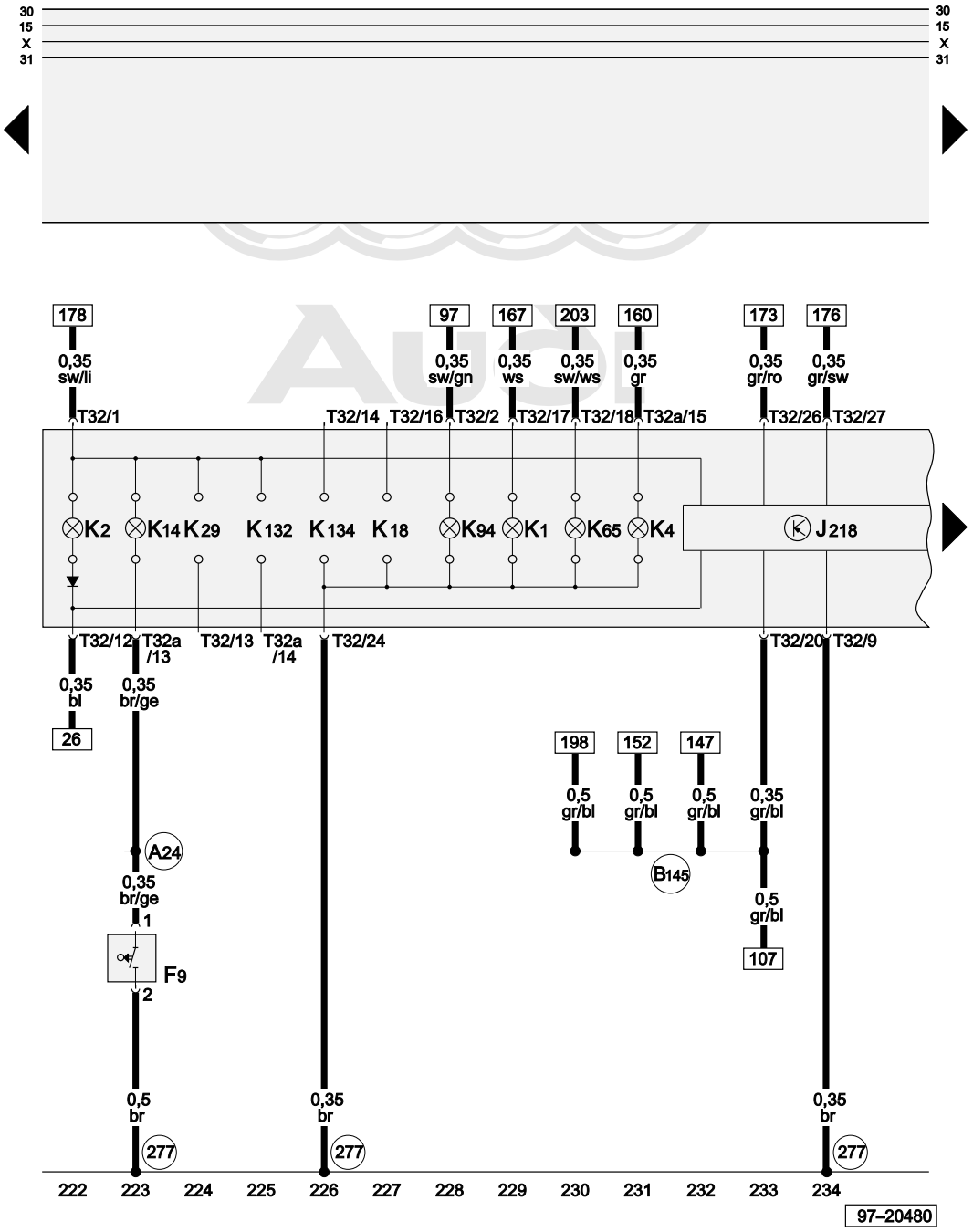


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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Interior lights, luggage compartment lights, door contact switch

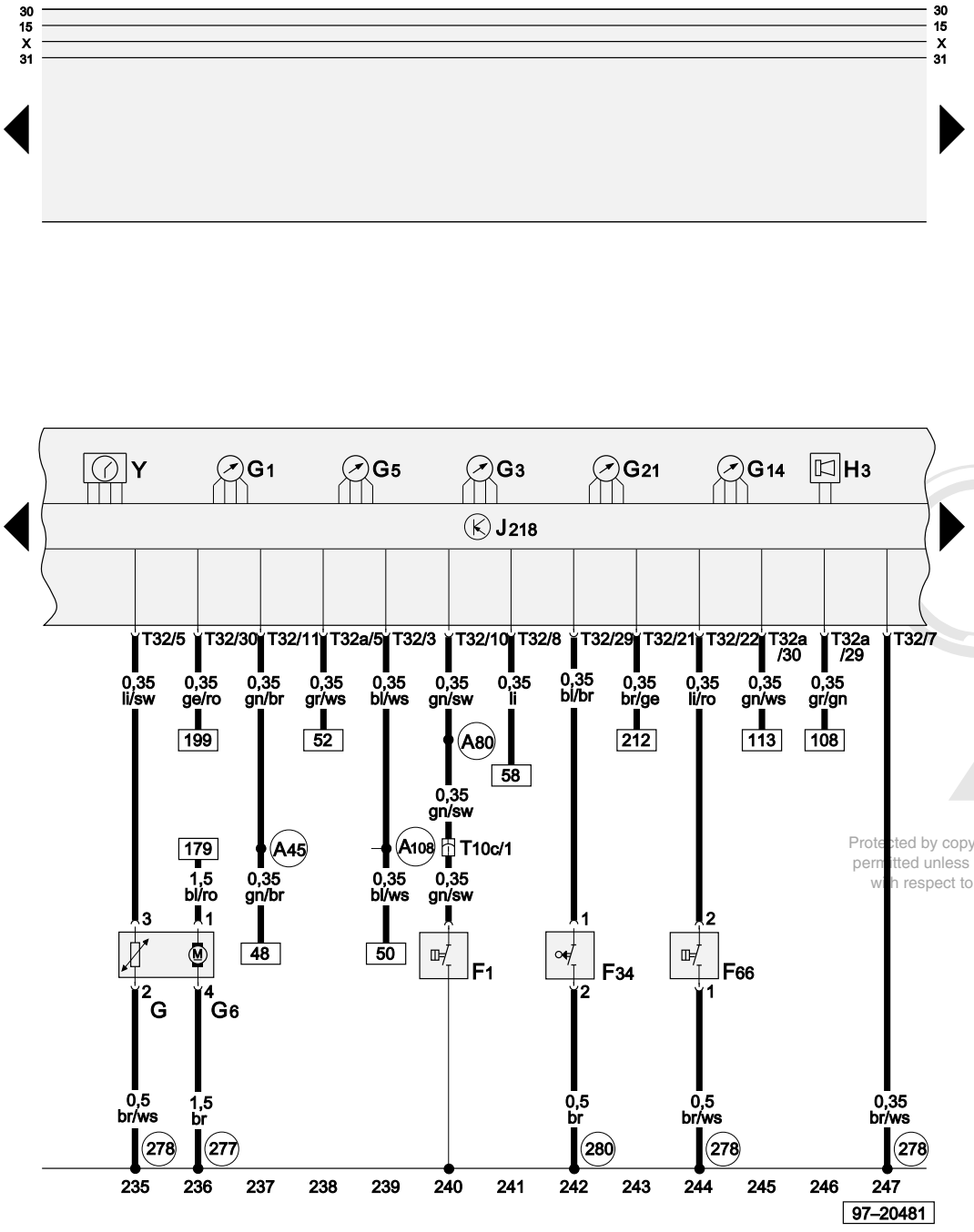
F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
T6a	6-pin connector, black, in luggage compartment, left
T10d	10-pin connector, brown, connector carrier, A pillar, left
T10f	10-pin connector, brown, connector carrier, A pillar, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
W	Interior light, front
W13	Reading light, front passenger's side
W18	Luggage compartment light, left
W19	Reading light, driver's side
W35	Luggage compartment light, right
W43	Rear interior light
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
285	Earth connection -7-, in interior wiring harness
B115	Positive (+) connection (30a), in interior wiring harness
B155	Positive (+) connection -2- (DC), 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

Dash panel insert, combi-processor in dash panel insert, handbrake warning

F9	Handbrake warning switch
J218	Combi-processor in dash panel insert
K1	Main beam warning lamp
K2	Alternator warning lamp
K4	Side light warning lamp
K14	Handbrake warning lamp
K18	Trailer operation warning lamp
K29	Glow period warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
K132	Electronic power control fault lamp
K134	Self-levelling suspension warning lamp
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
A24	Connection (brake system monitoring), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness

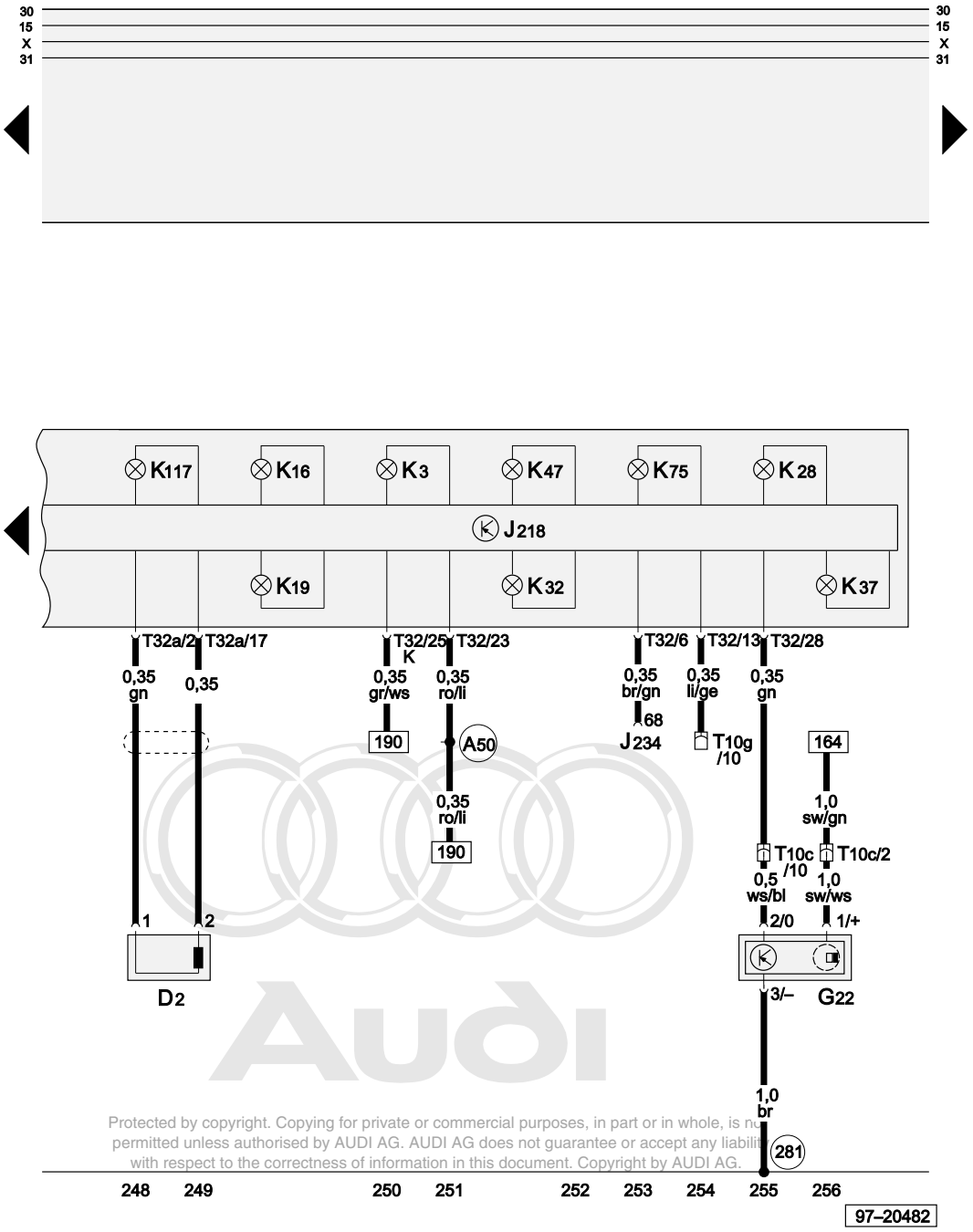


Dash panel insert, combi-processor in dash panel insert, rev. counter, speedometer, fuel gauge, fuel pump, coolant shortage indicator, oil pressure switch, analogue clock

F1	Oil pressure switch
F34	Brake fluid level warning contact
F66	Coolant shortage indicator switch
G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G5	Rev. counter
G6	Fuel pump
G14	Voltmeter
G21	Speedometer
H3	Buzzer/gong
J218	Combi-processor in dash panel insert
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
Y	Analogue clock
277	Earth connection -3-, in interior wiring harness
278	Earth connection -4-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
A108	Connection (speed signal), 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
rs	=	pink

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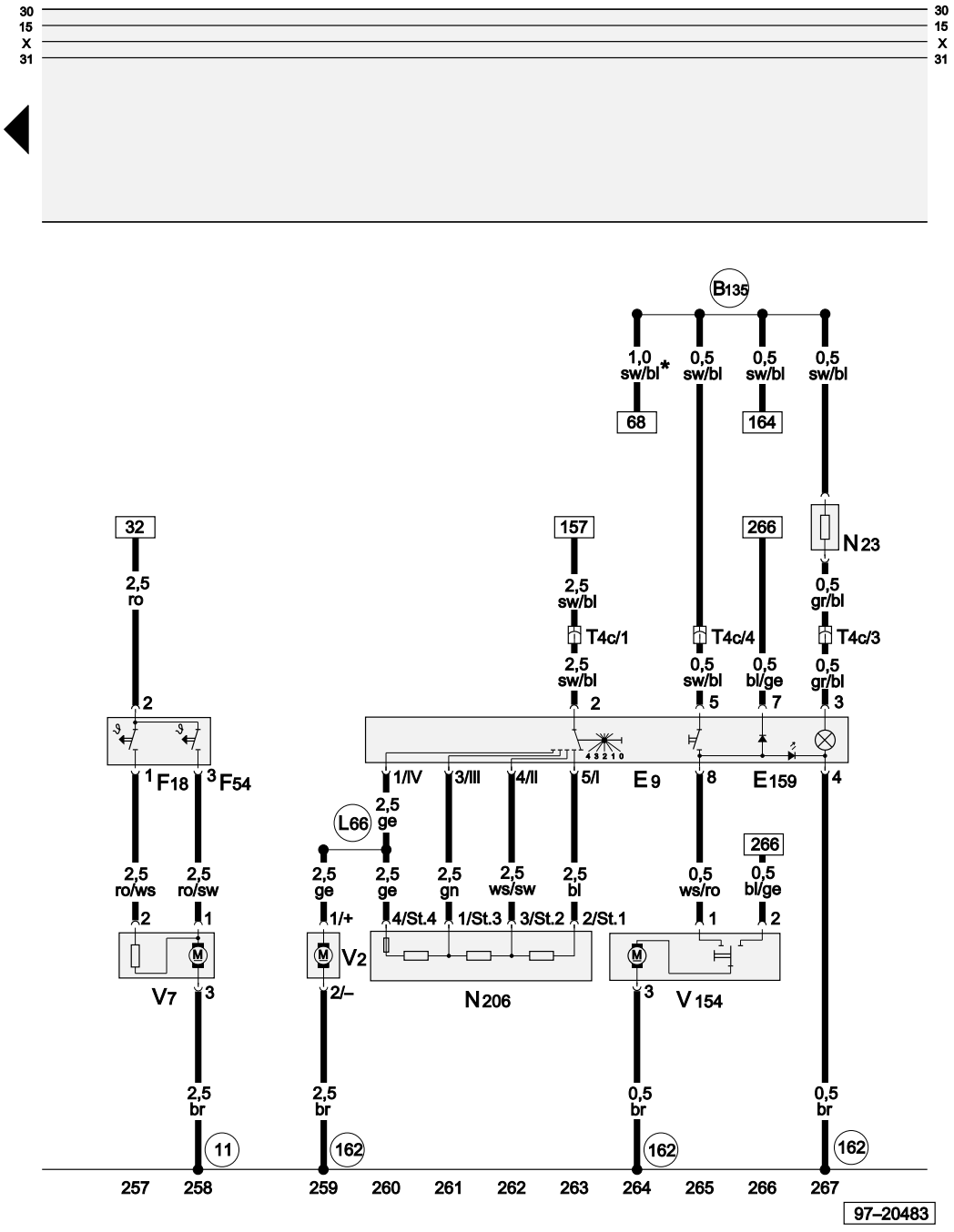


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li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, combi-processor in dash panel insert, immobilizer reading coil, vehicle speed sender

D2	Immobilizer reading coil
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
J234	Airbag control unit
K3	Oil pressure warning lamp
K16	Reserve fuel warning lamp
K19	Seat belt warning system warning lamp
K28	Coolant temperature warning lamp
K32	Brake pad/lining warning lamp
K37	Windscreen washer fluid level warning lamp
K47	ABS warning lamp
K75	Airbag warning lamp
K117	Immobilizer warning lamp
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10g	10-pin connector, blue, in plenum chamber
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
A50	Positive (+) connection (30as), in dash panel wiring harness



Radiator fan, fresh air blower

E9	Fresh air blower switch
E159	Fresh air/air recirculating flap switch
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
N23	Fresh air blower series resistor
N206	Warm air blower series resistor with overheating fuse
T4c	4-pin connector, behind console
V2	Fresh air blower
V7	Radiator fan
V154	Fresh/recirculating air flap control motor
11	Earth point, in battery box
162	Earth connection, in blower motor wiring harness
B135	Connection (15a), in interior wiring harness
L66	Connection, in heater blower wiring harness
*	Only models with manual gearbox

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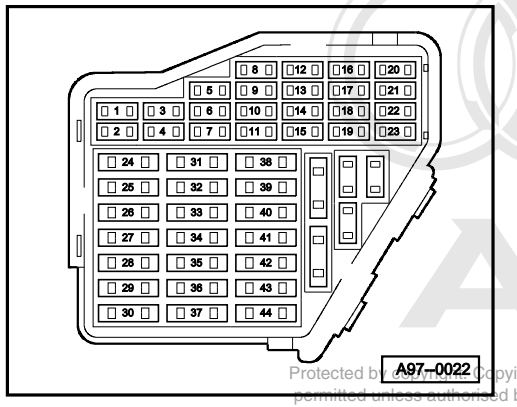
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Audi A3 (1,6 l litre fuel injection engine, 74 kW, Simos, 4-cylinder) engine codes AEH/AKL

From model year 1999

Audi A3 (1,6 l litre fuel injection engine, 74 kW, Simos, 4-cylinder) engine codes AKL, From model year 1999

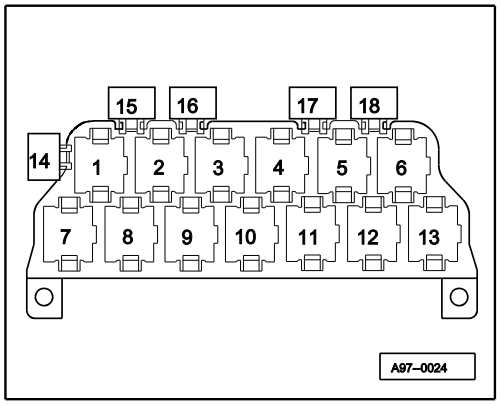
Fuse box:



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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.

13-point relay carrier:



Position of relays:

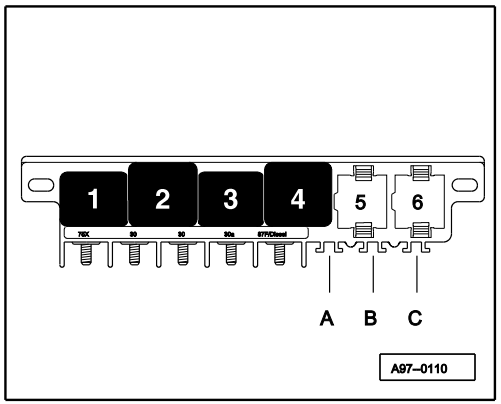
11 - Starter inhibitor and reversing light relay

Fuse colours

30 A - green

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

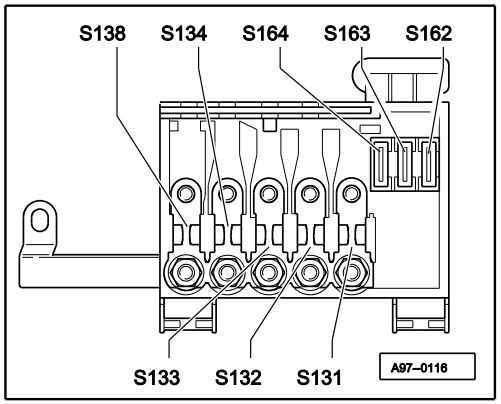
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

Main fuse box/battery:



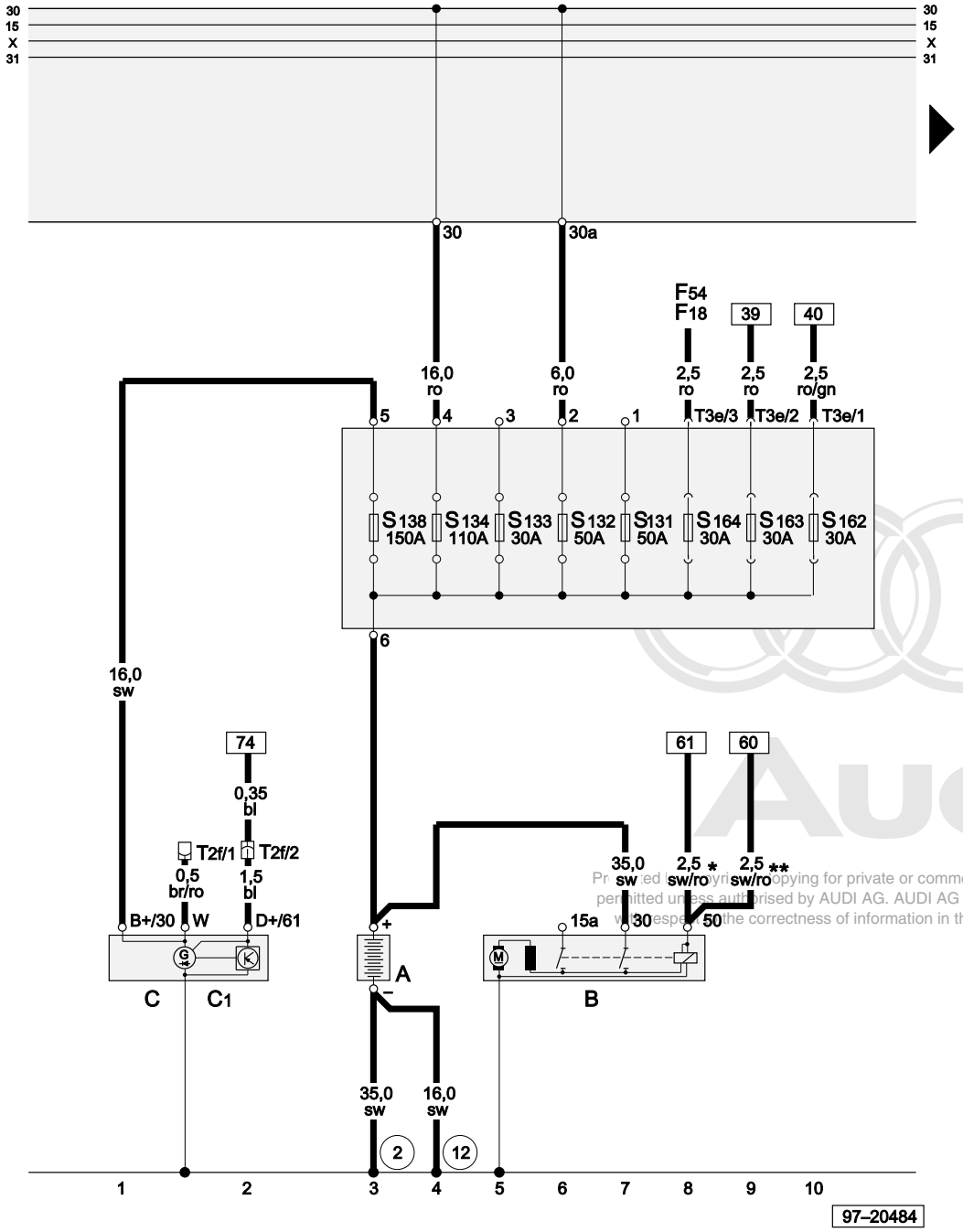
Position of fuses:

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3

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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
S131

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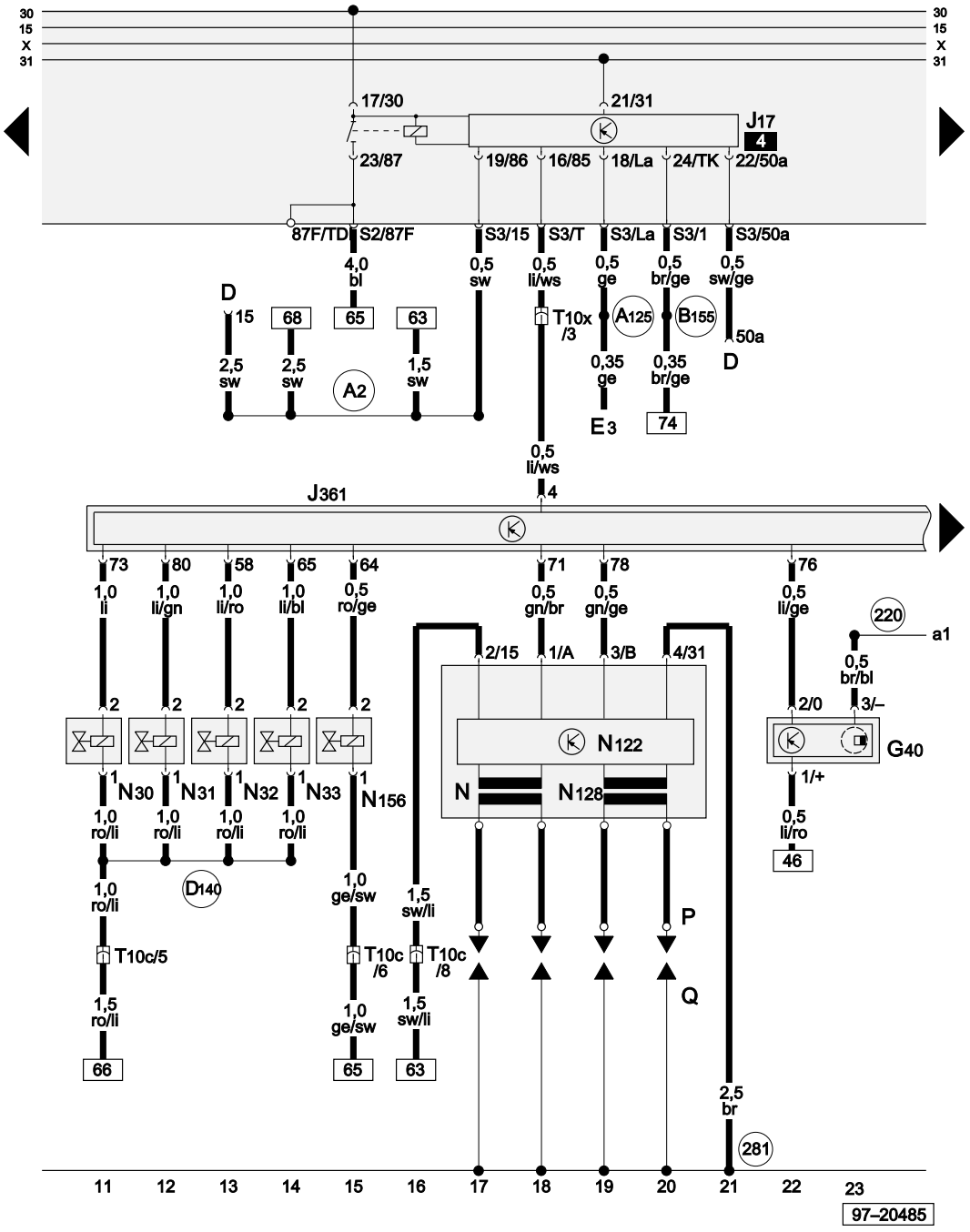


Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
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
T2f	2-pin connector, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
(2)	Earth strap, gearbox - body
(12)	Earth point, in engine compartment, left
*	Only models with automatic gearbox
**	Only models with manual 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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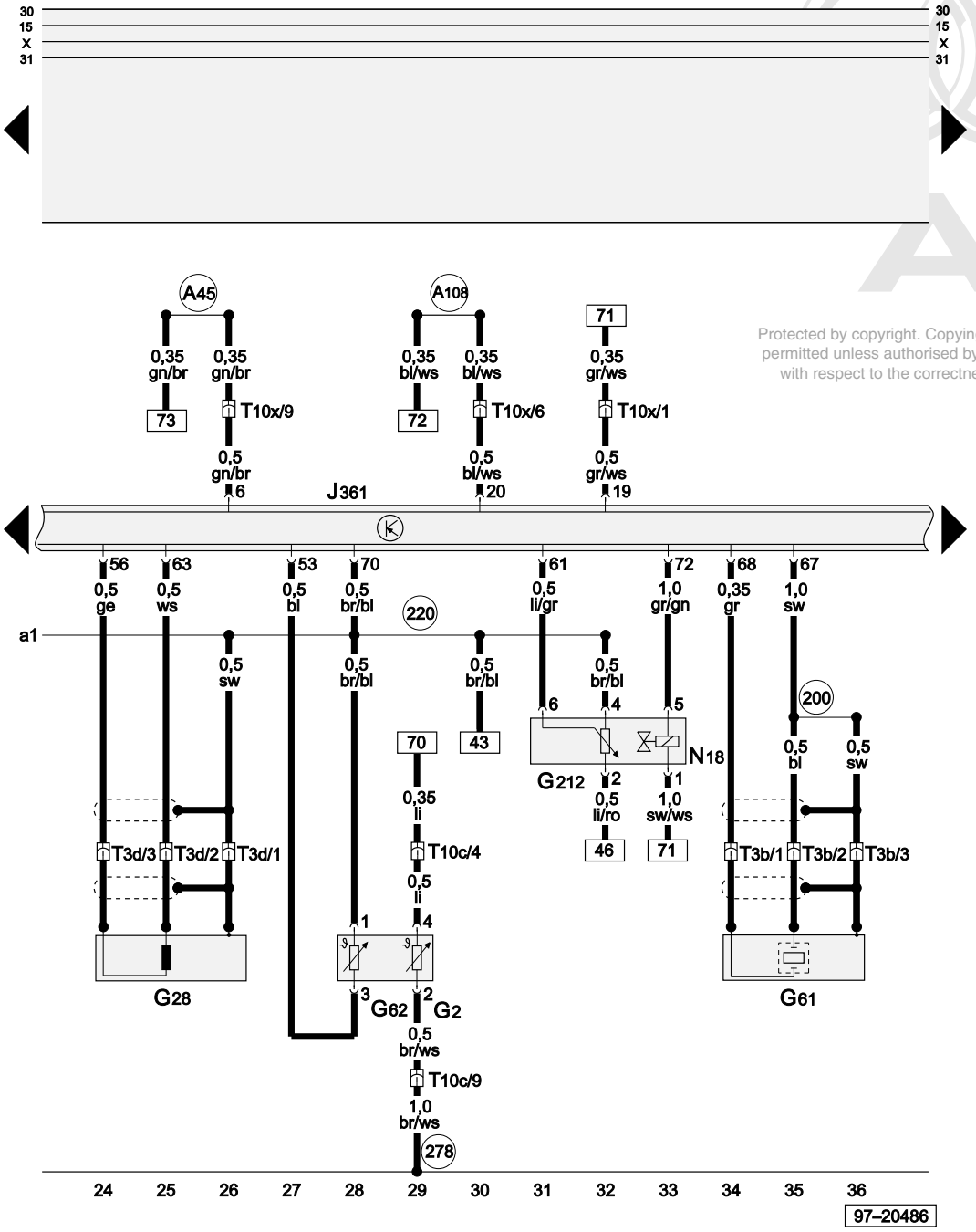


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Simos control unit, fuel pump relay, injectors, ignition system, Hall sender, intake manifold change-over valve

D	Ignition/starter switch
E3	Hazard warning light switch
G40	Hall sender
J17	Fuel pump relay
J361	Simos control unit
N	Ignition coil 1
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N122	Final output stage
N128	Ignition coil 2
N156	Intake manifold change-over valve
P	Spark plug connector
Q	Spark plugs
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
281	Earth connection -1-, in engine compartment wiring harness (pre-assembled)
A2	Positive (+) connection (15), 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

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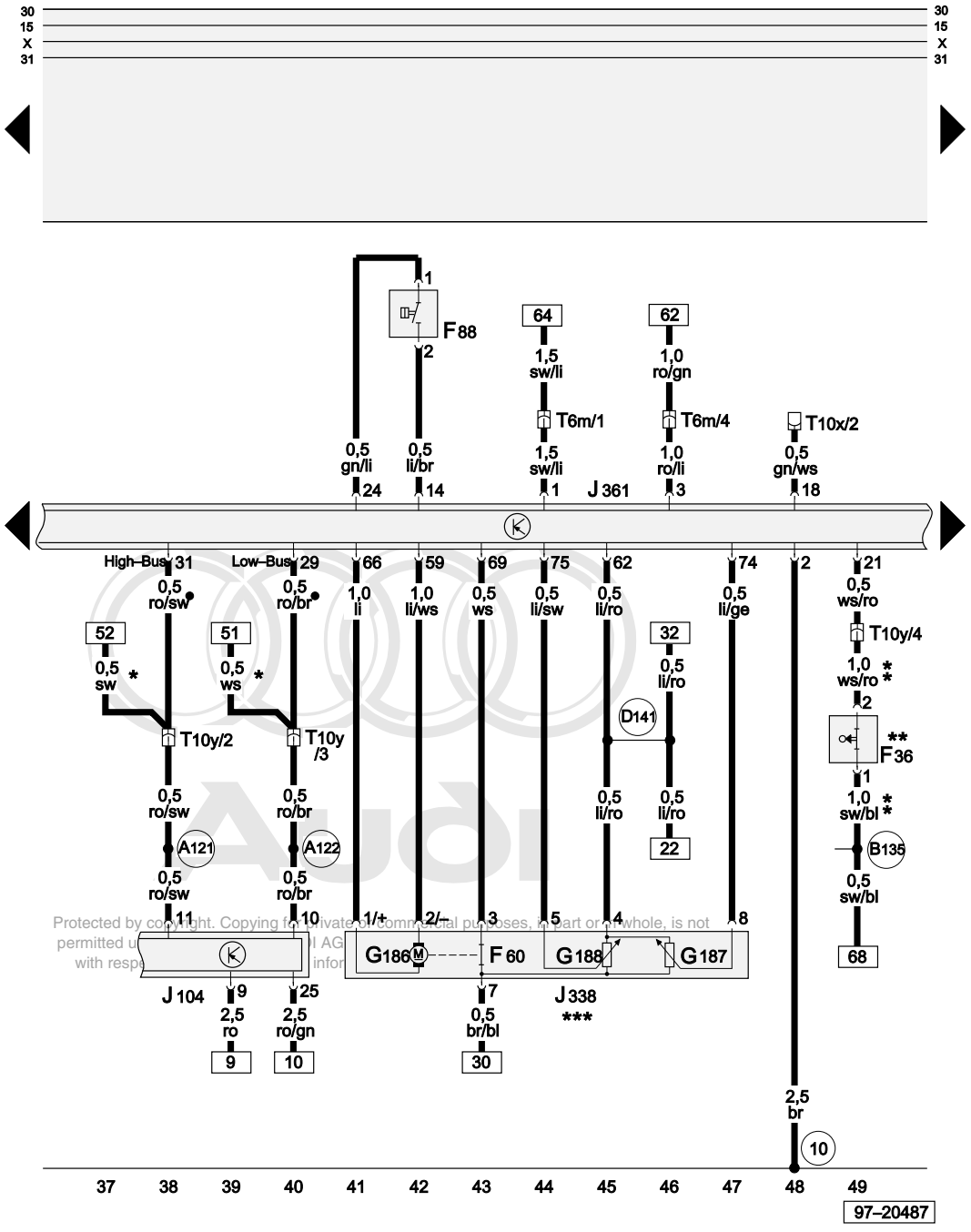


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Simos control unit, knock sensor, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G212	Exhaust gas recirculation potentiometer
J361	Simos control unit
N18	Exhaust gas recirculation valve
T3b	3-pin connector, blue, in engine compartment
T3d	3-pin connector, white, in engine compartment
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
200	Earth connection (screening), in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
278	Earth connection -4-, in interior wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness

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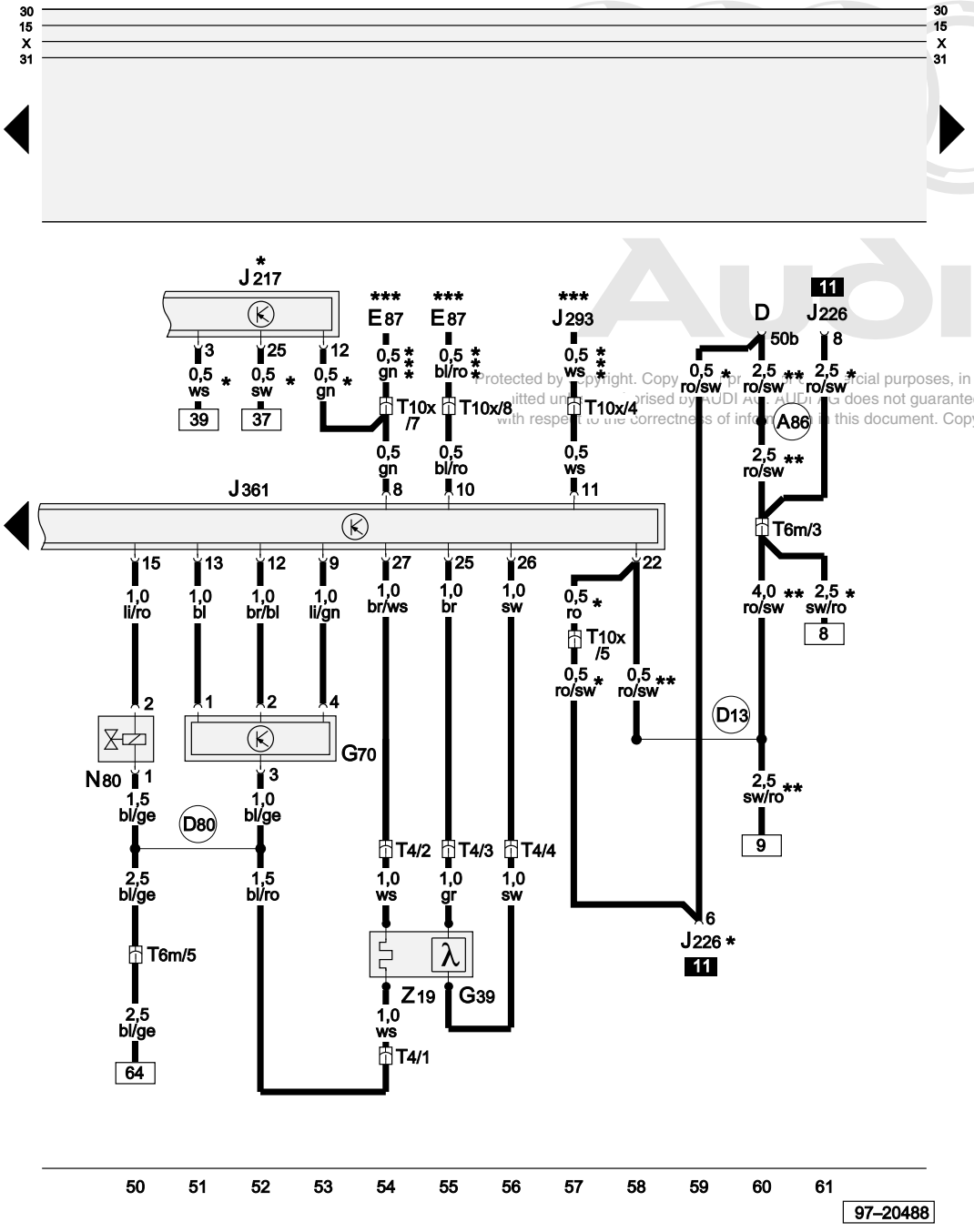


Simos control unit, throttle valve control unit, power steering pressure switch

F36	Clutch pedal switch
F60	Idling switch
F88	Power assisted steering pressure switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J338	Throttle valve control unit
J361	Simos control unit
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
10	Earth point, in plenum chamber
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox
***	Wiring of connections on models without cruise control system Wiring of connections on models with cruise control system, see applicable Current Flow Diagram: Cruise control system
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	CAN bus (data wire)

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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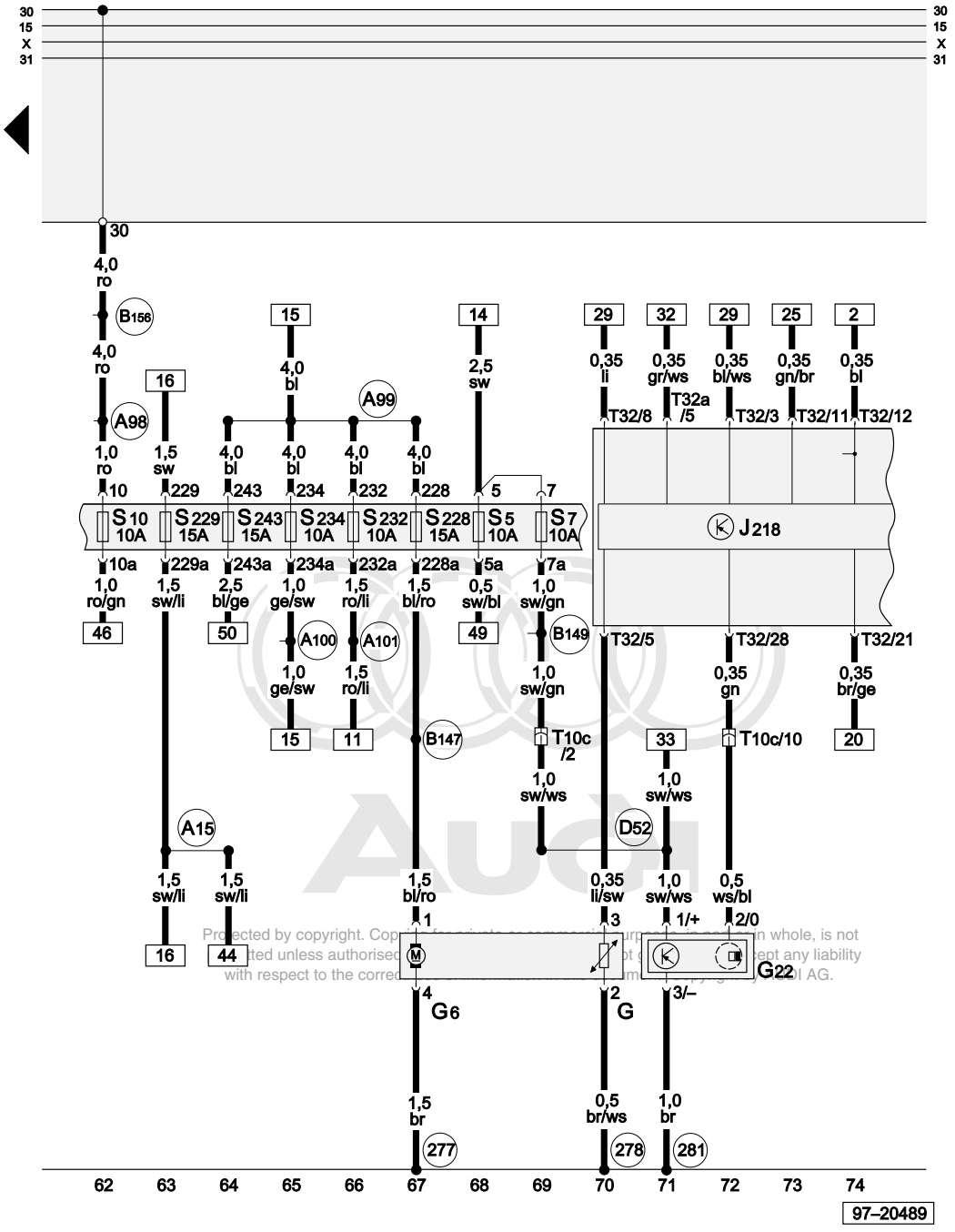


Audi
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ge = yellow
or = orange
rs = pink

Simos control unit, lambda probe, air mass meter, activated charcoal filter system solenoid valve

D	Ignition/starter switch
E87	Control and display unit for air conditioner
G39	Lambda probe
G70	Air mass meter
J217	Automatic gearbox control unit
J226	Starter inhibitor and reversing light relay
J293	Radiator fan control unit
J361	Simos control unit
N80	Activated charcoal filter system solenoid valve 1
T4	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
A86	Connection (50a), in dash panel wiring harness
D13	Connection (50), in front right wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox
***	Only 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

Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender

G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
T10c	10-pin connector, black, wiring duct, in engine compartment, left
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
A15	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A100	Connection -2- (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
B156	Positive (+) connection -4- (30a), in interior wiring harness
D52	Positive (+) connection (15a), in engine compartment wiring harness

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Audi A3 (1.9 litre turbo- diesel engine, 66 kW, TDI, 4- cylinder), engine codes AGR/ALH

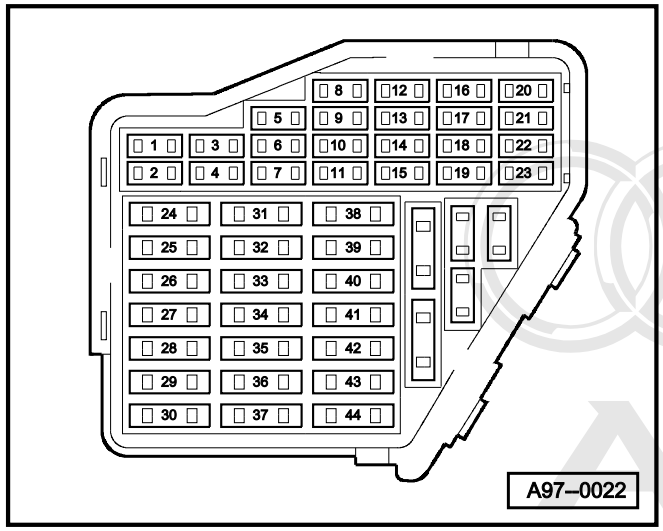
From model year 1999

Audi A3 (1.9 litre turbo- diesel engine, 81 kW, TDI, 4- cylinder), engine codes AHF

From model year 1999

Audi A3 (1.9 litre turbo- diesel engine, 66 kW, TDI, 4- cylinder), engine codes AGR, From model year 1999

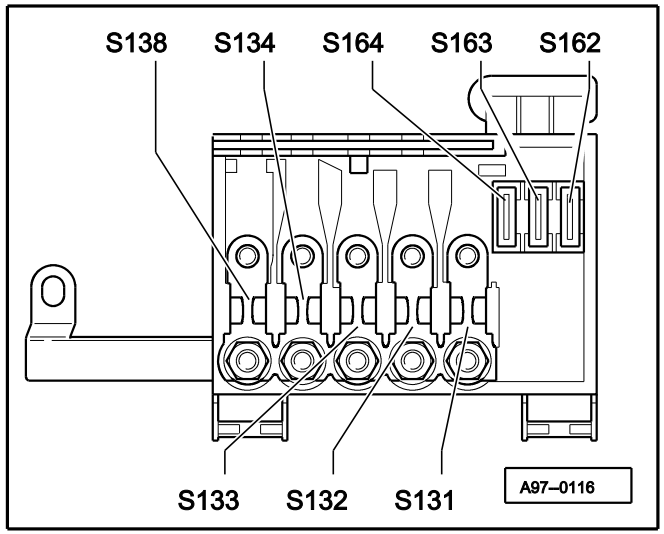
Fuse box:



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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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 box/battery
S163 - 2 in fuse box/battery
S164 - 3 in fuse box/battery
S133 - S132

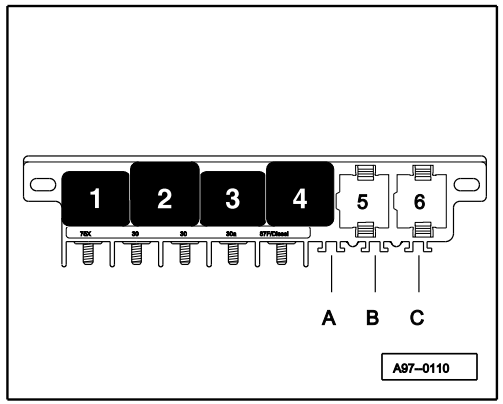
S131

Fuse colours

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

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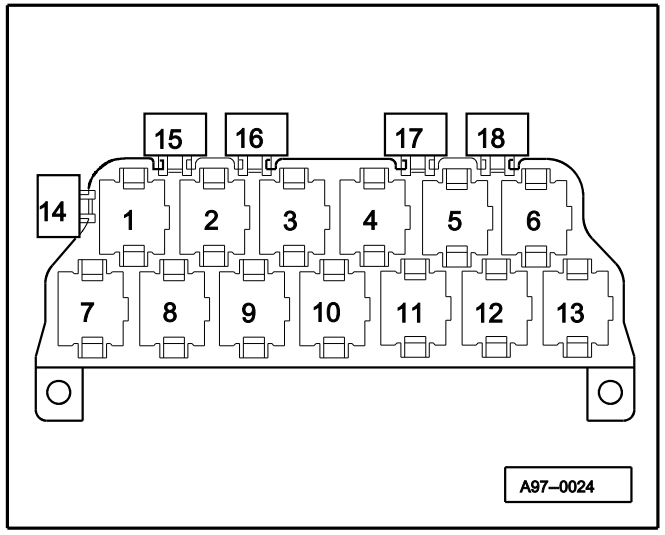
Micro-central electrics:



Position of relays:

4 - Relay for glow plugs

13-point relay carrier:

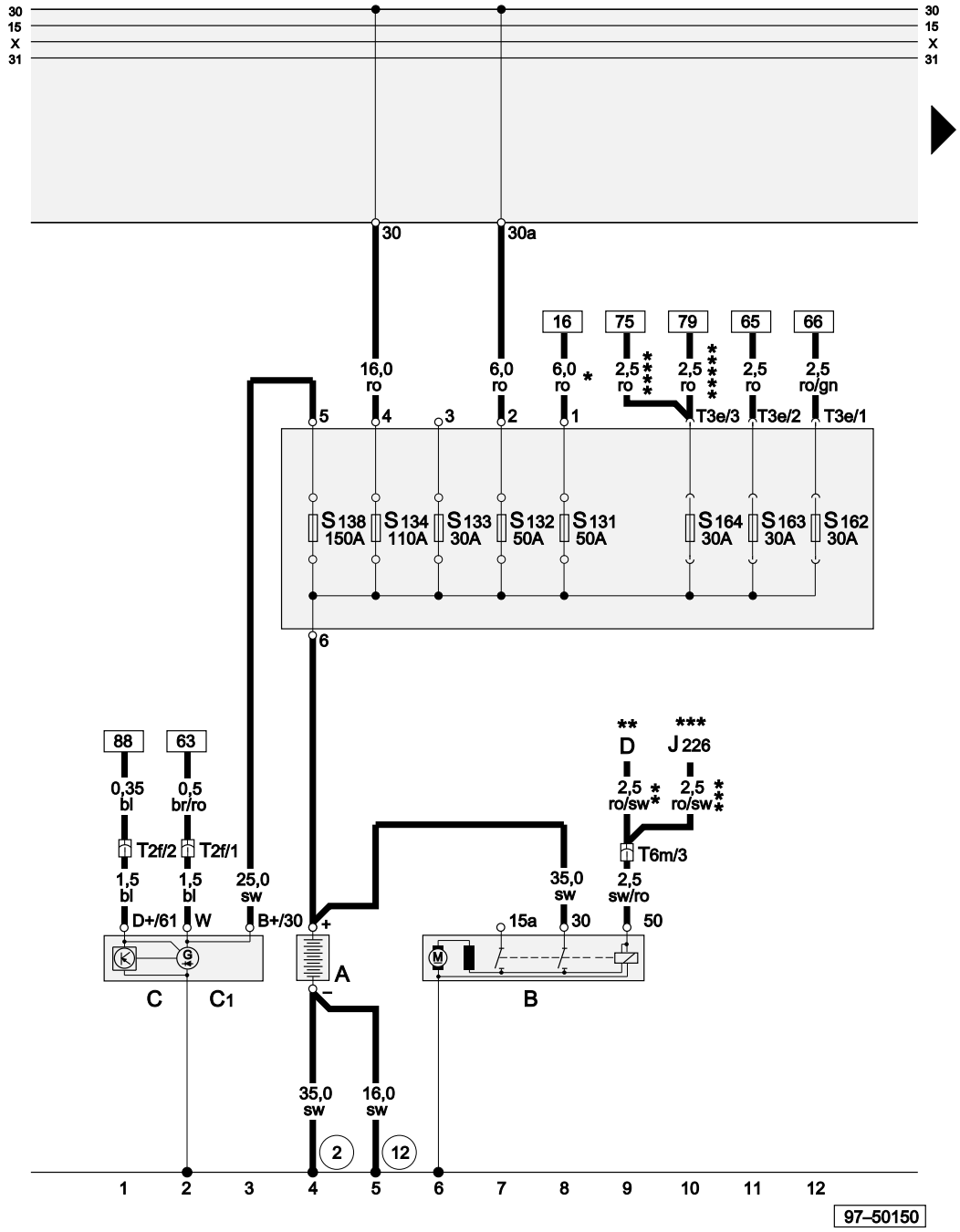


Position of relays:

12 - Diesel direct injection system relay

13 - Radiator fan run-on relay

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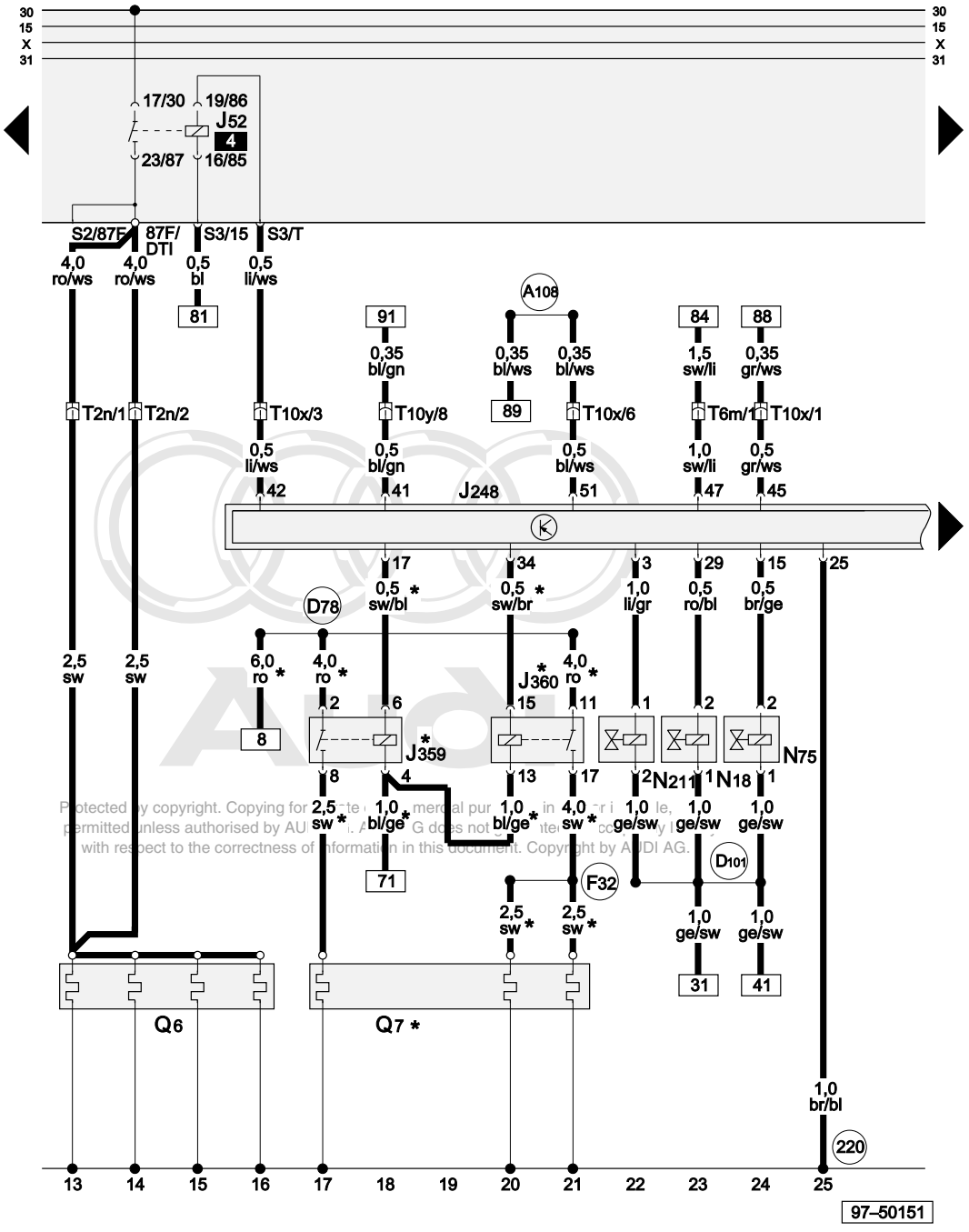


Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J226	Starter inhibitor and reversing light relay
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T6m	6-pin connector, brown, in plenum chamber
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left
*	Only for heated pin heating (manual gearbox)
**	Only models with manual gearbox
***	Only models with automatic gearbox
****	Only with 1.9 litre-TDI 81 kW
*****	Only with 1.9 litre-TDI 66 kW

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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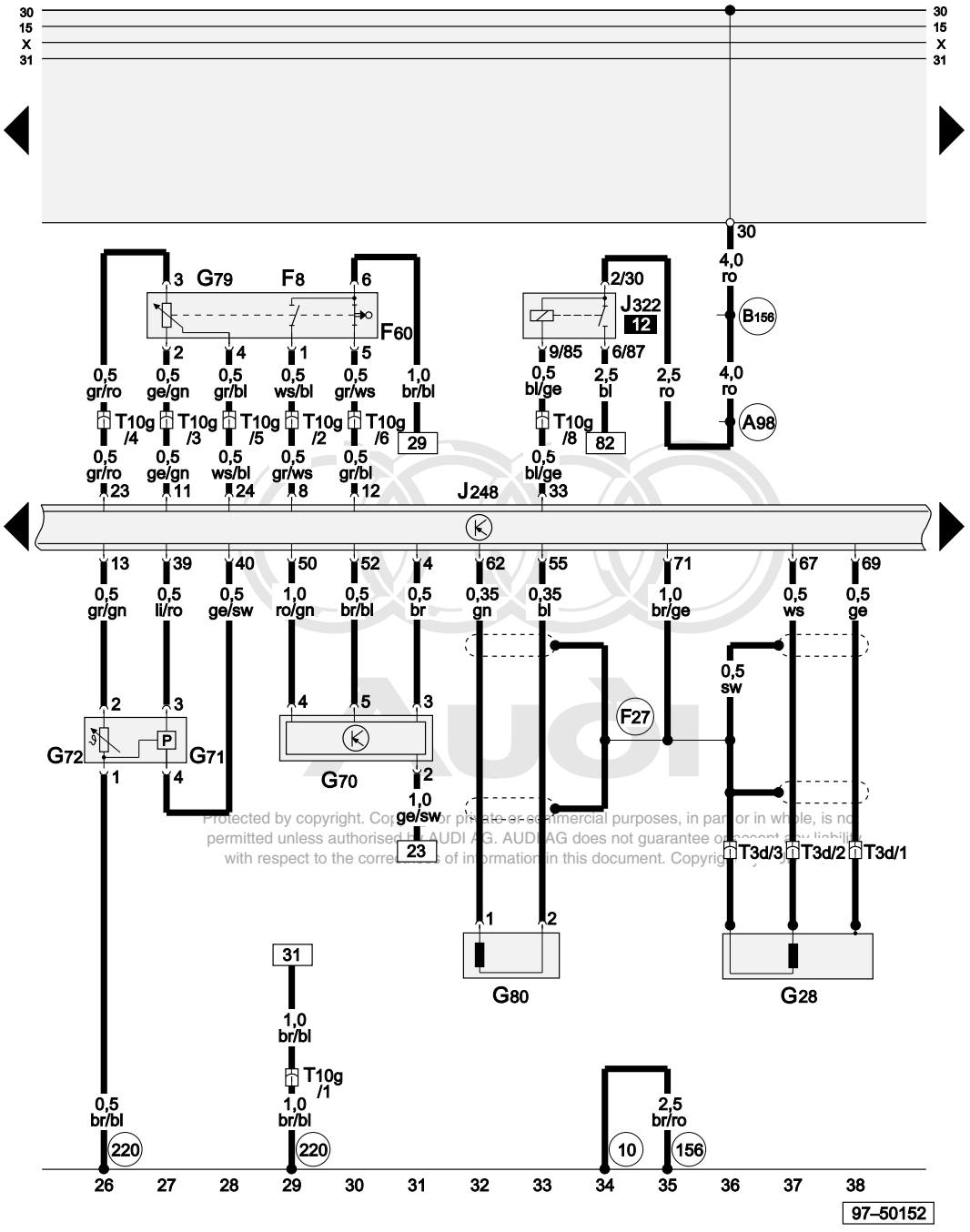


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Diesel direct injection system control unit, (glow plugs - engine), glow plug relay, glow plugs (coolant), exhaust gas recirculation valve, charge pressure control solenoid valve

J52	Glow plug relay
J248	Diesel direct injection system control unit
J359	Low heat output relay
J360	High heat output relay
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Intake manifold flap change-over valve
Q6	Glow plugs (engine)
Q7	Glow plugs (coolant)
T2n	2-pin connector, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
D101	Connection -1-, in engine compartment wiring harness
F32	Connection (glow plugs - coolant), in diesel direct injection system wiring harness
*	Only for heated pin heating (manual gearbox)

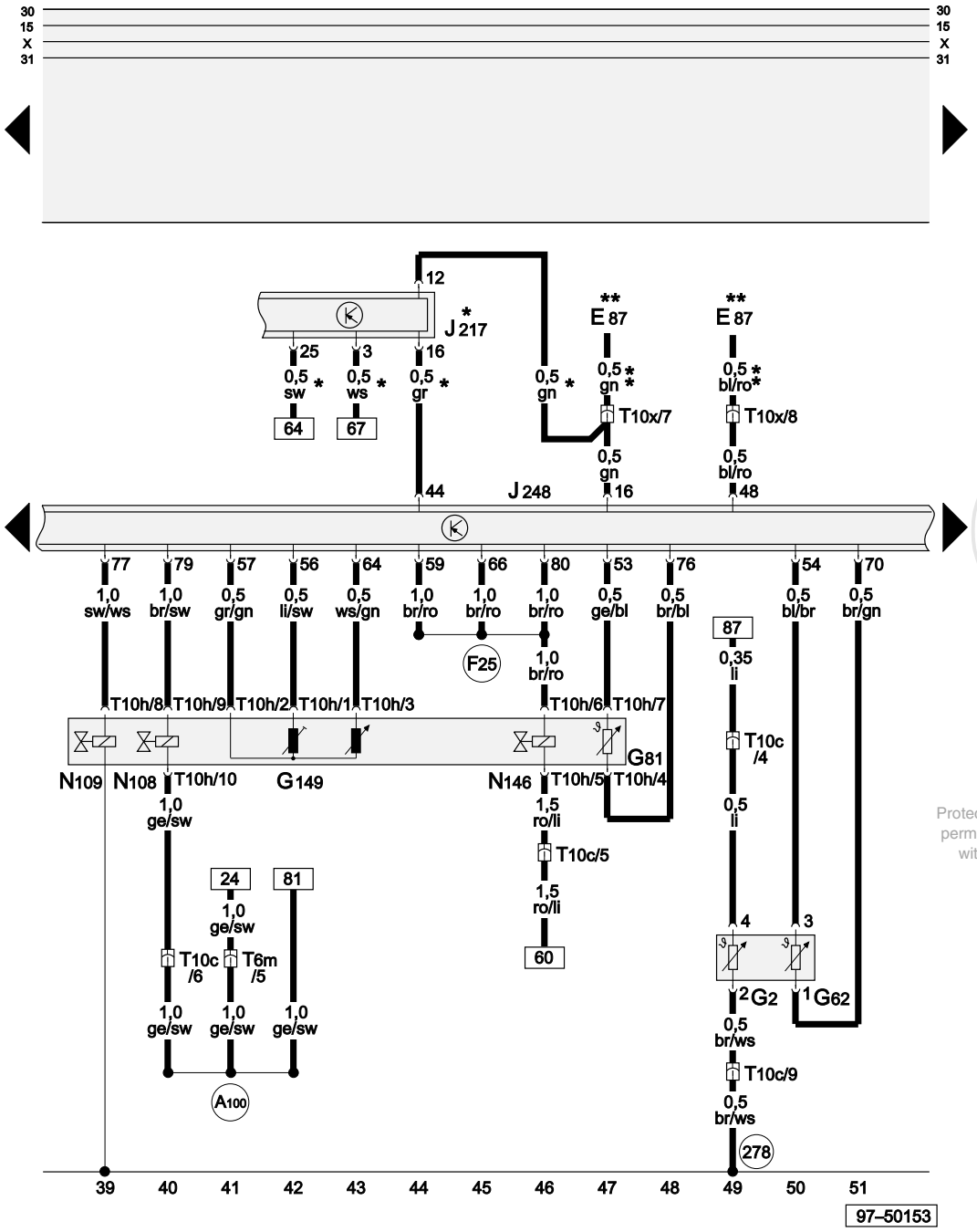


Diesel direct injection system control unit, air mass meter, diesel direct injection system relay, intake manifold temperature sender, accelerator pedal position sender, engine speed sender

F8	Kick-down switch
F60	Idling switch
G28	Engine speed sender
G70	Air mass meter
G71	Intake manifold pressure sender
G72	Intake manifold temperature sender
G79	Accelerator pedal position sender
G80	Needle lift sender
J248	Diesel direct injection system control unit
J322	Diesel direct injection system relay
T3d	3-pin connector, black, in engine compartment
T10g	10-pin connector, blue, in plenum chamber
10	Earth point, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
220	Earth connection (sender earth), in engine wiring harness
A98	Positive (+) connection -4- (30), in dash panel wiring harness
B156	Positive (+) connection -4- (30), in interior wiring harness
F27	Connection (screening), in diesel direct injection system wiring harness

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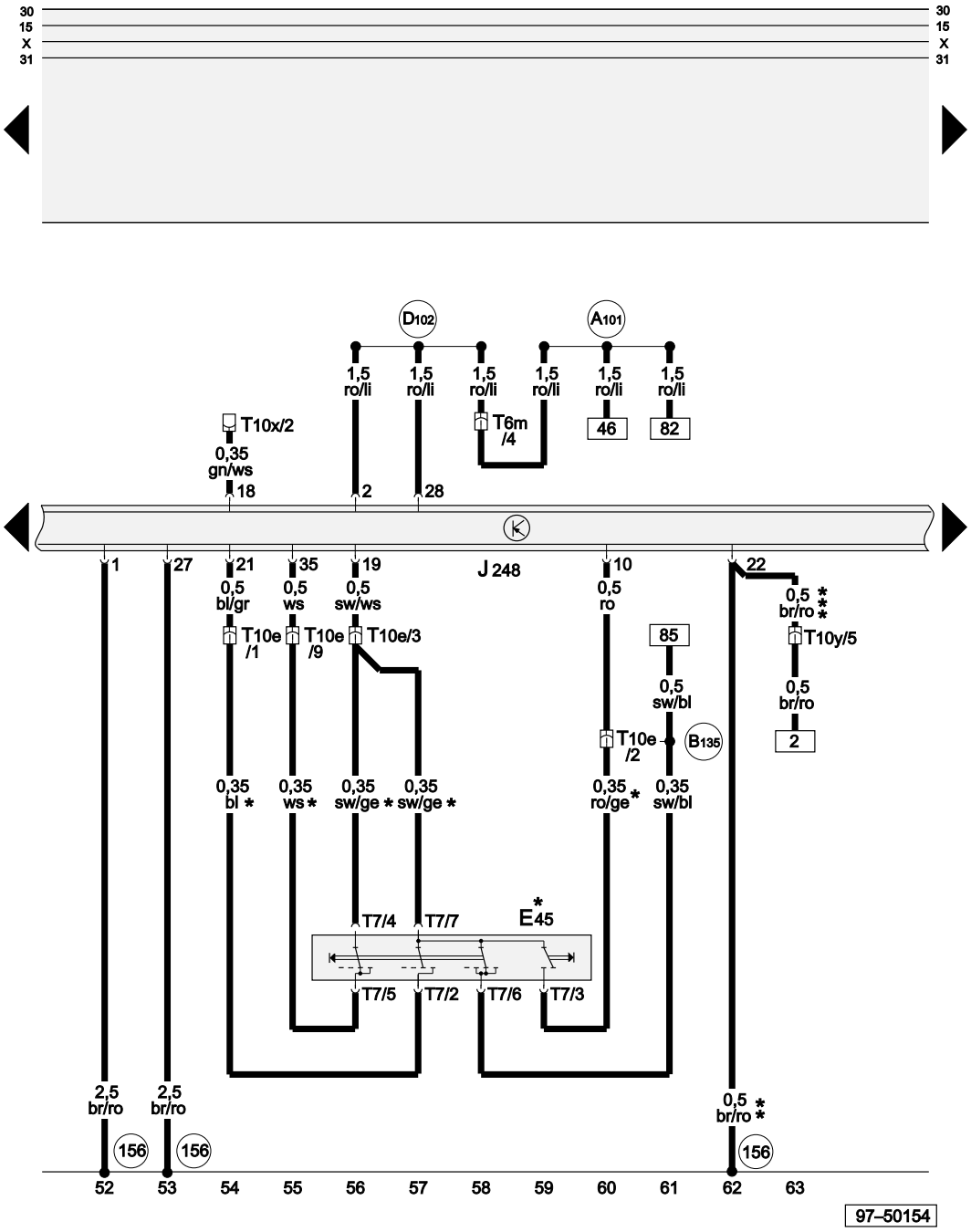


Diesel direct injection system control unit, coolant temperature senders, modulating piston movement sender

E87	Control and display unit for air conditioner
G2	Coolant temperature sender
G62	Coolant temperature sender
G81	Fuel temperature sender
G149	Modulating piston movement sender
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
N108	Commencement of injection valve
N109	Fuel shut-off valve
N146	Metering adjuster
T6m	6-pin connector, brown, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10h	10-pin connector, black, centre in engine compartment
T10x	10-pin connector, orange, in plenum chamber
281	Earth connection -1-, in engine prewiring wiring harness
A100	Connection -2- (87), in dash panel wiring harness
F25	Connection -1-, in diesel direct injection system wiring harness
*	Only models with automatic gearbox
**	Only models with air conditioner

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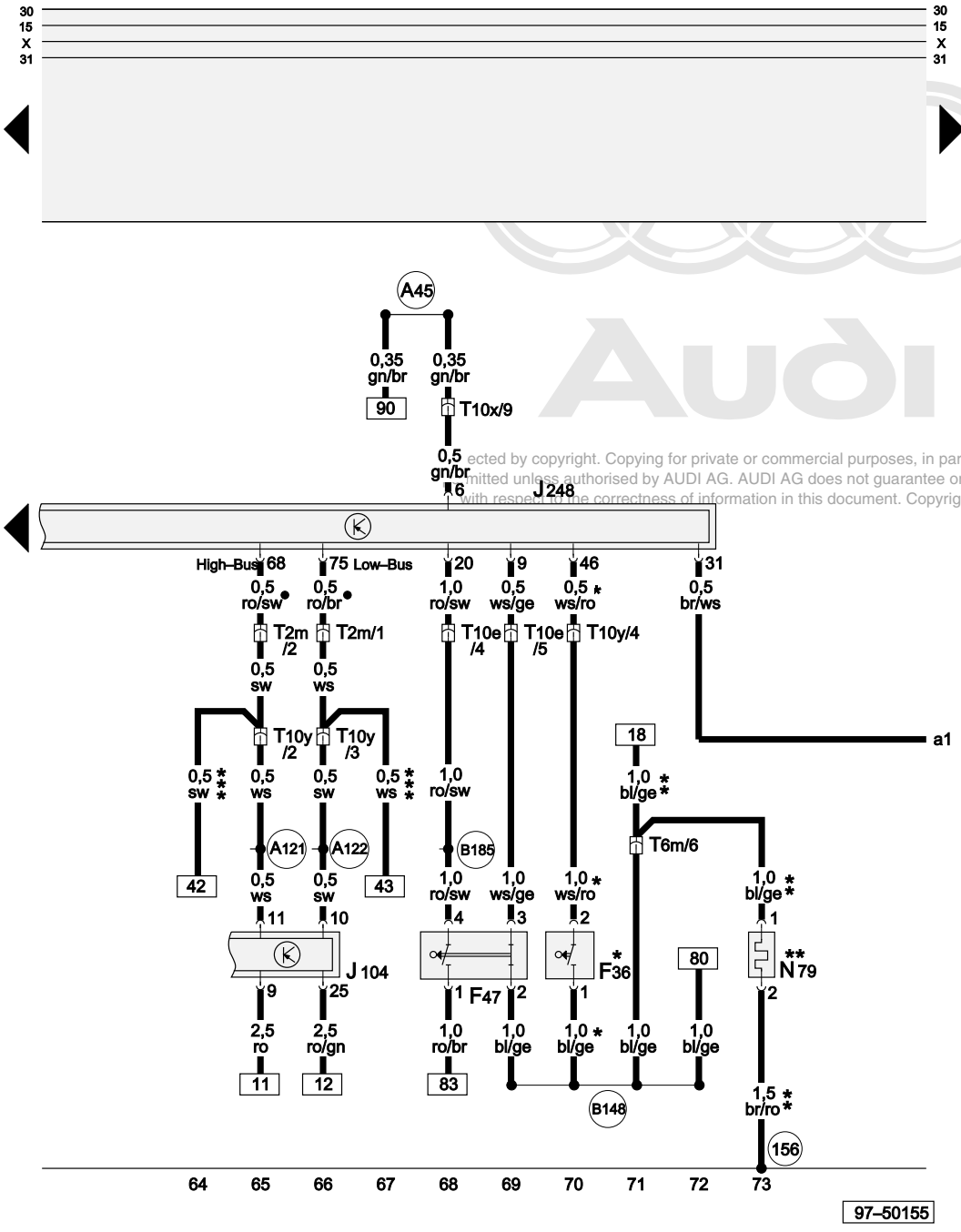
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Diesel direct injection system control unit, cruise control system switch

E45	Cruise control system switch
J248	Diesel direct injection system control unit
T6m	6-pin connector, brown, in plenum chamber
T7	7-pin connector, behind steering column switch trim
T10e	10-pin connector, black, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A101	Connection -3- (87), in dash panel wiring harness
B135	Positive (+) connection (15a), in interior wiring harness
D102	Connection -2-, in engine compartment wiring harness

* Only models with cruise control system
** Does not apply to models with heated pin heating
*** Only for heated pin heating (manual gearbox)

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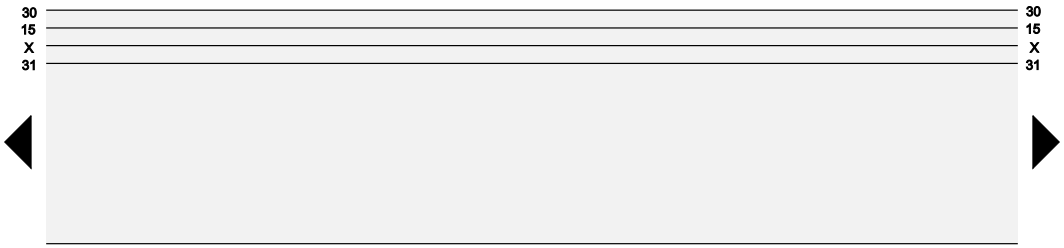
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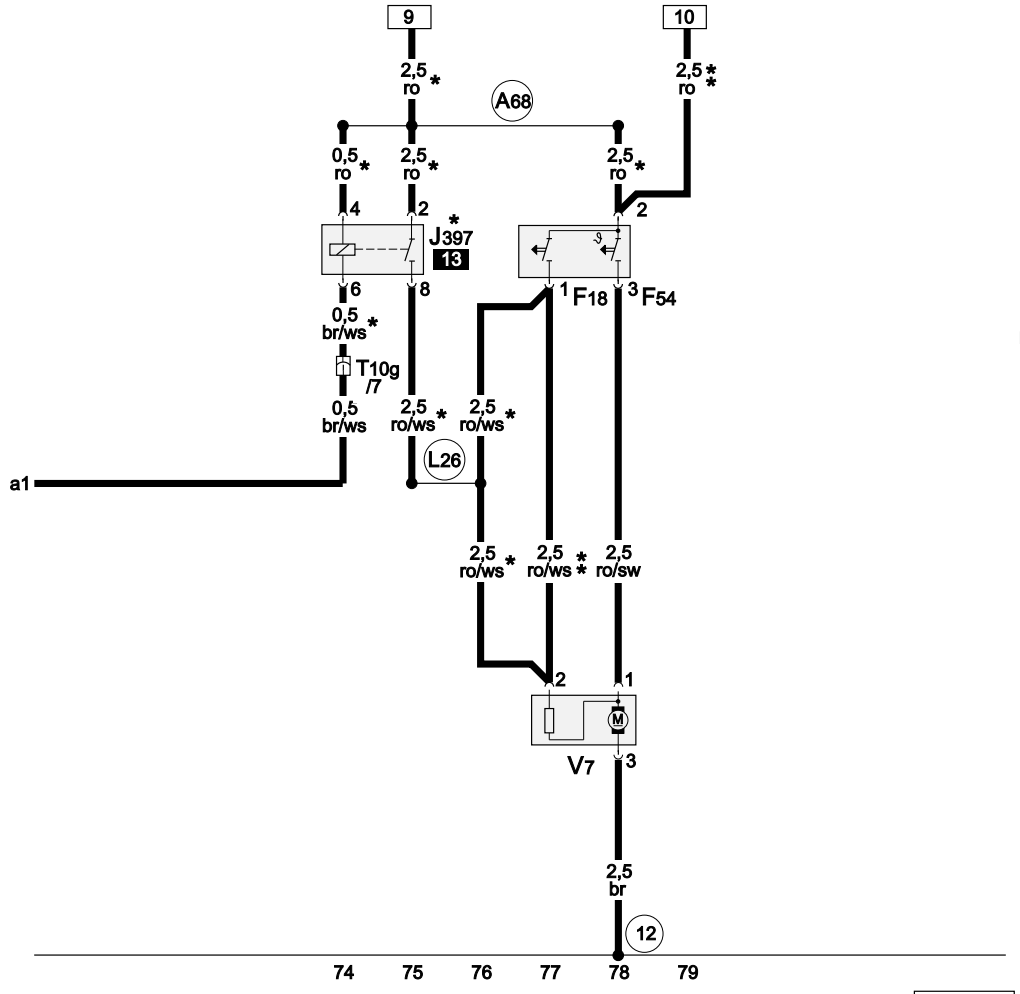
Diesel direct injection system control unit, brake pedal switch, clutch pedal switch

F36	Clutch pedal switch
F47	Brake pedal switch for diesel direct inj. system
J104	ABS with EDL control unit
J248	Diesel direct injection system control unit
N79	Heater element (crankcase breather)
T2m	2-pin connector, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
156	Earth connection, in diesel direct injection wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), 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 manual gearbox
**	Only for heated pin heating (manual gearbox) and export versions (nordic countries)
***	Only models with automatic gearbox
<fo:exter	CAN bus (data wires)

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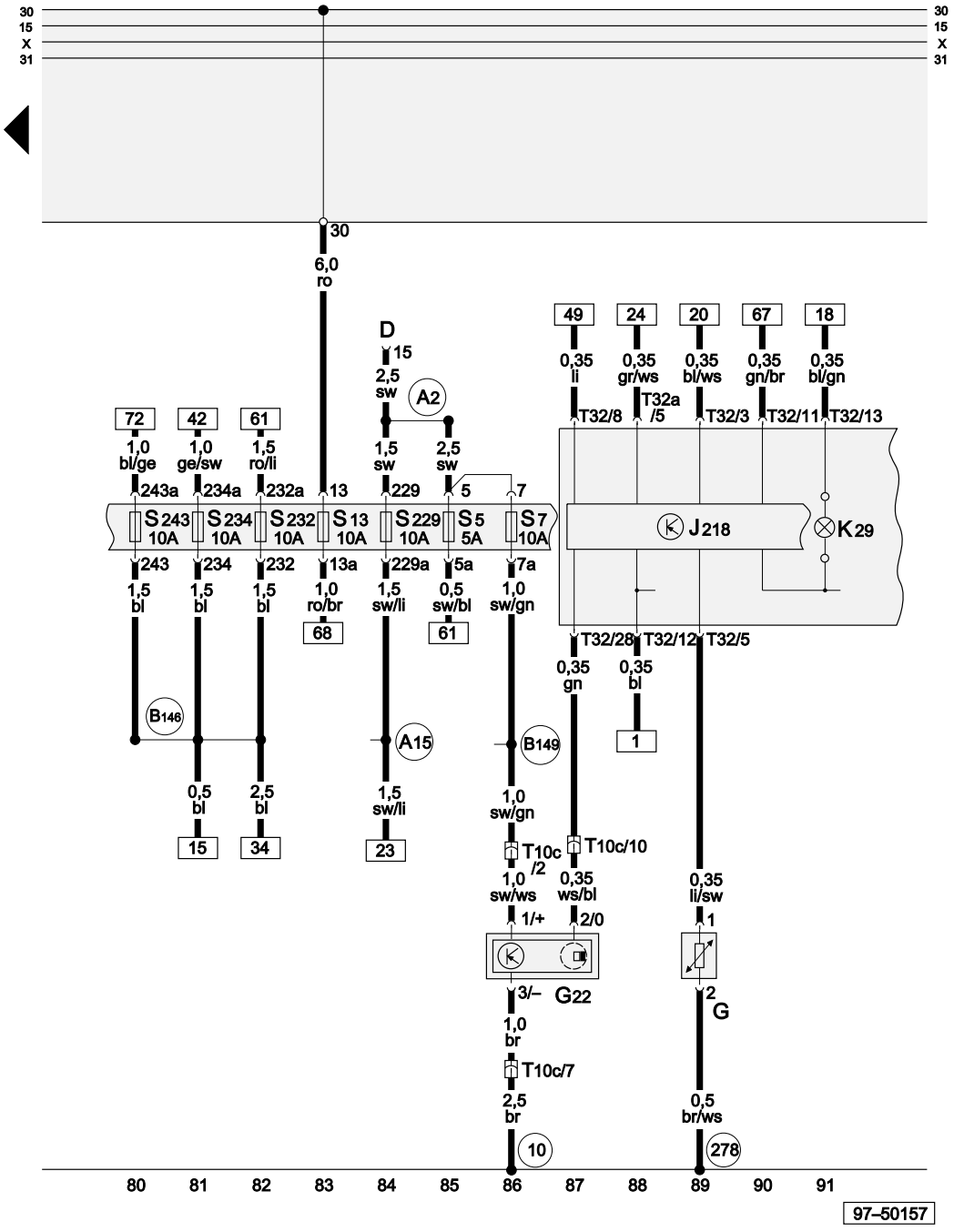


Radiator fan

F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J397	Radiator fan run-on relay
T10g	10-pin connector, blue, in plenum chamber
V7	Radiator fan
12	Earth point, in engine compartment, left
A68	Connection (30, air conditioner), in dash panel wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
*	Only with 1.9 litre-TDI 81 kW
**	Only with 1.9 litre-TDI 66 kW

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Dash panel insert, combi-processor in dash panel insert, fuel gauge sender, road speed sender, fuse box

D	Ignition/starter switch
G	Fuel gauge sender
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K29	Glow period warning lamp
T10c	10-pin connector, black, wiring duct, 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
278	Earth connection -4-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
B146	Positive (+) connection -1- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness

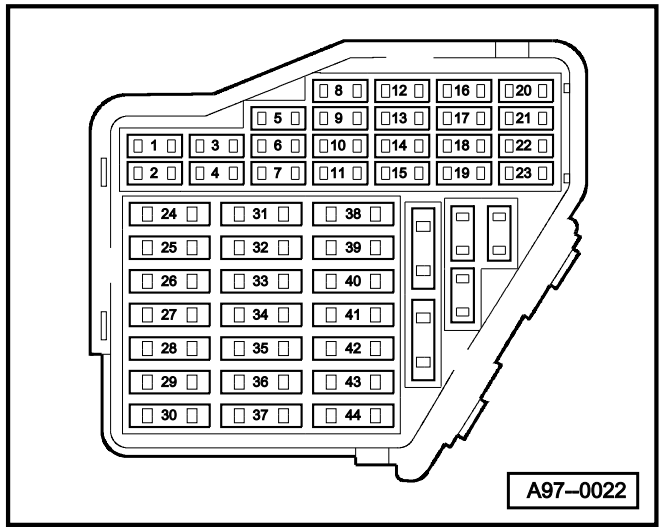
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Airbags, side airbags and curtain airbags for driver's seat and front passenger's seat with belt tensioners

From model year 1999

Fuse box:

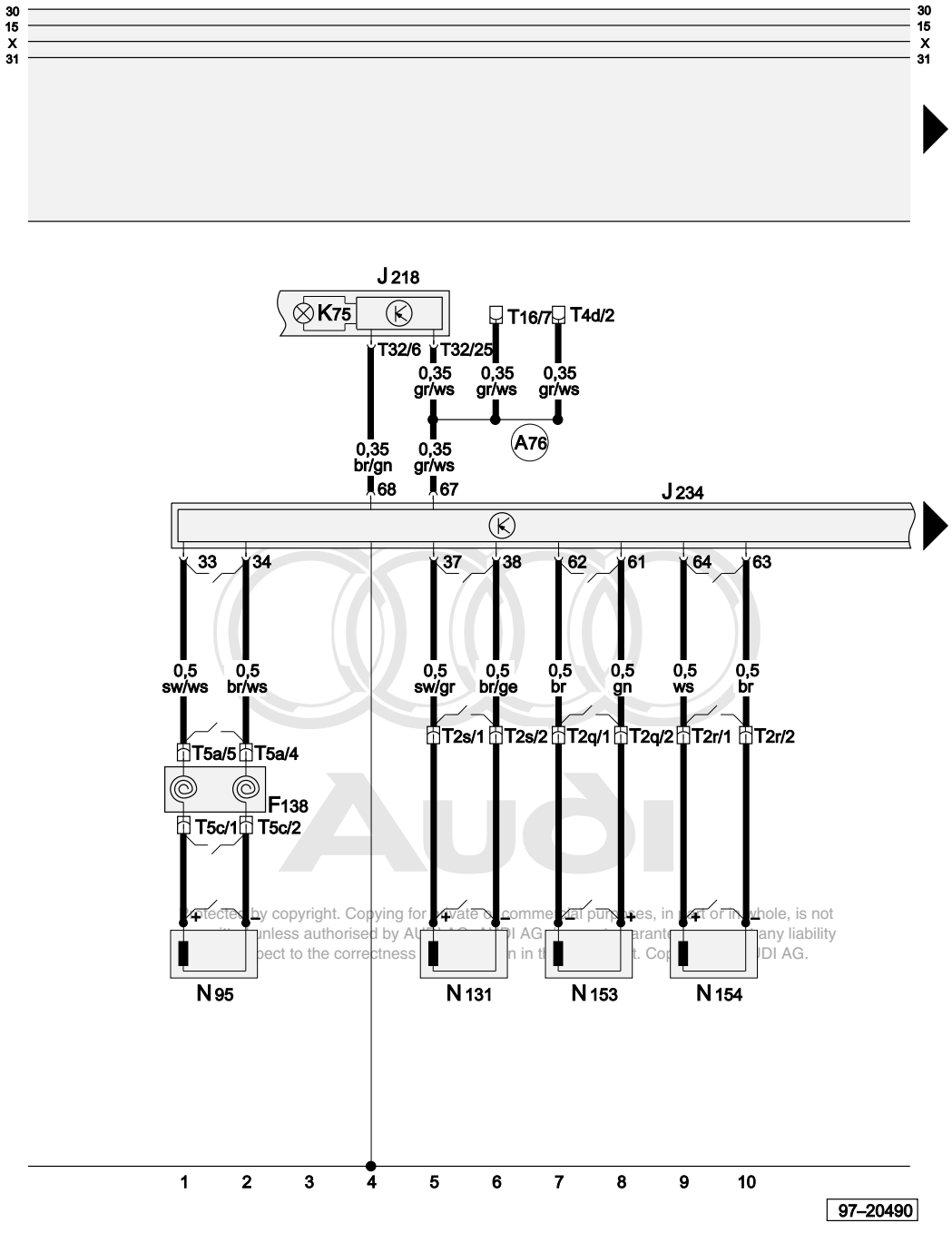


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours:

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

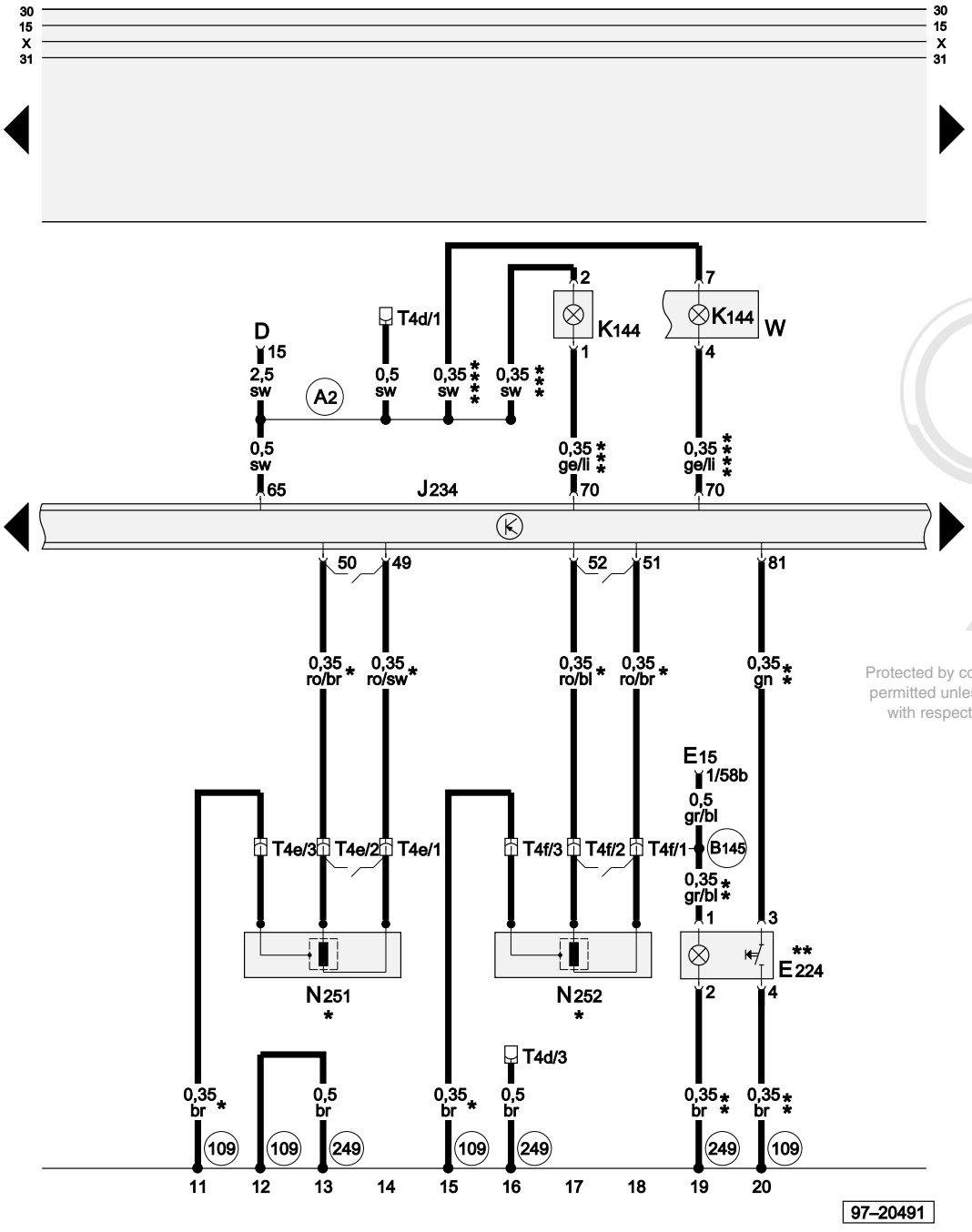


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Airbags, side airbags and curtain airbags for driver's seat and front passenger's seat with belt tensioners

F138	Airbag coil connector
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
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
T4d	4-pin connector, wrapped in wiring harness, near front passenger's airbag
T5a	5-pin connector, yellow, behind steering column switch trim
T5c	5-pin connector, yellow, behind steering wheel trim
T16	16-pin connector, centre console, rear (diagnosis connection)
T32	32-pin connector, blue, on dash panel insert
A76	Connection (diagnosis wire K), in dash panel 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.

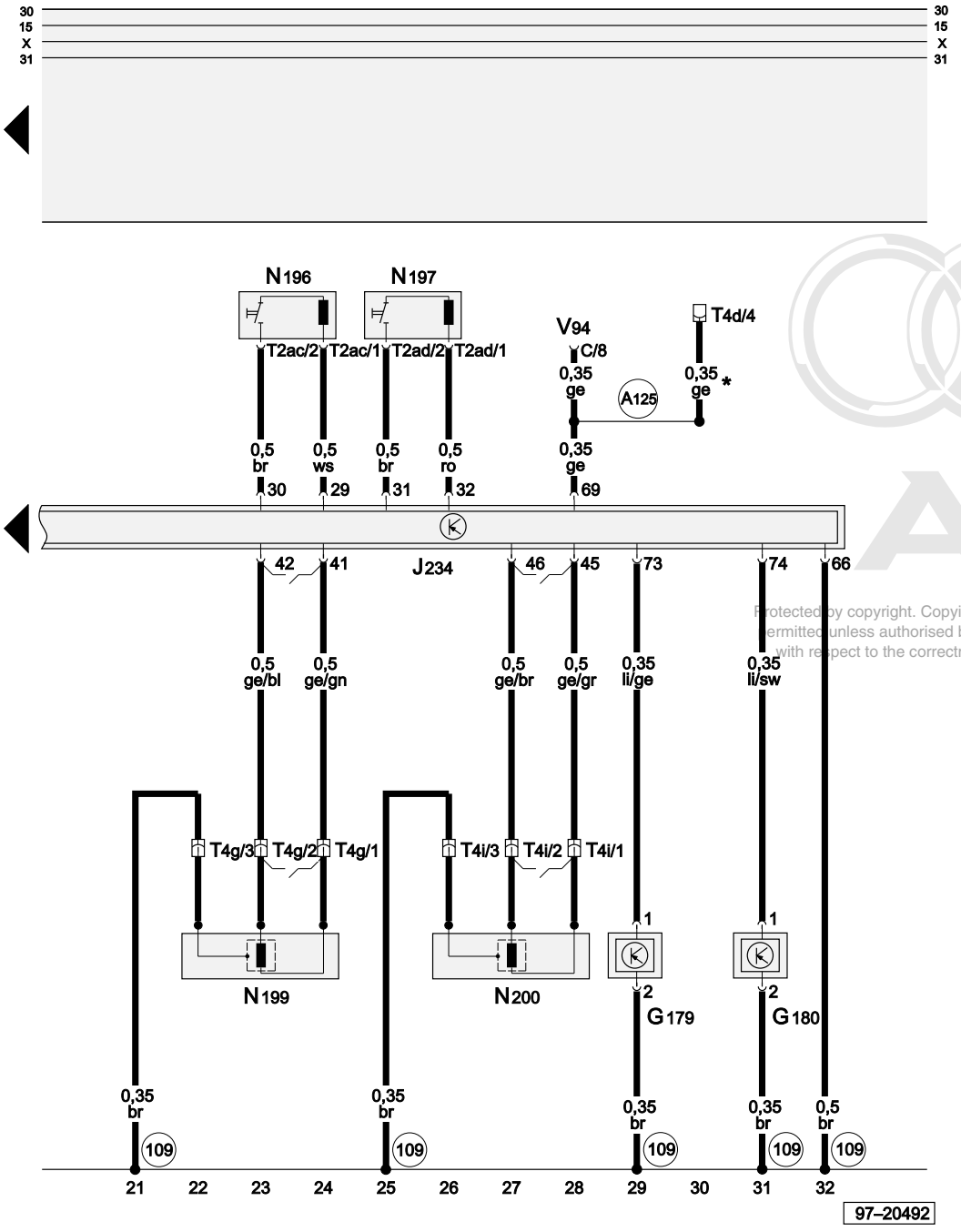


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Airbags, side airbags and curtain airbags for driver's seat and front passenger's seat with belt tensioners

D	Ignition/starter switch
E15	Heated rear window 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 side
N252	Curtain airbag igniter, front passenger side
T4d	4-pin connector, wrapped in wiring harness, near front passenger's airbag
T4e	4-pin connector, yellow, under driver's seat
T4f	4-pin connector, yellow, under front passenger's seat
W	Interior light, front
109	Earth connection, in airbag wiring harness
249	Earth connection -2-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with curtain airbag
**	Only models with airbag disabling key switch
***	Only models with airbag disabling key switch, applicable up model year 1999
****	Only models with airbag disabling key switch, applicable from model year 2000
<fo:exter	Short circuit bridge becomes effective when connector is unplugged
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Airbags, side airbags and curtain airbags for driver's seat and front passenger's seat with belt tensioners

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, passenger's side
N199	Side airbag igniter, driver's side
N200	Side airbag igniter, front passenger's side
T2ac	2-pin connector, under rear left seat
T2ad	2-pin connector, under rear right seat
T4d	4-pin connector, wrapped in wiring harness, near front passenger's airbag
T4g	4-pin connector, yellow, under driver's seat
T4i	4-pin connector, yellow, 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
*	Applicable up 1999 model year only

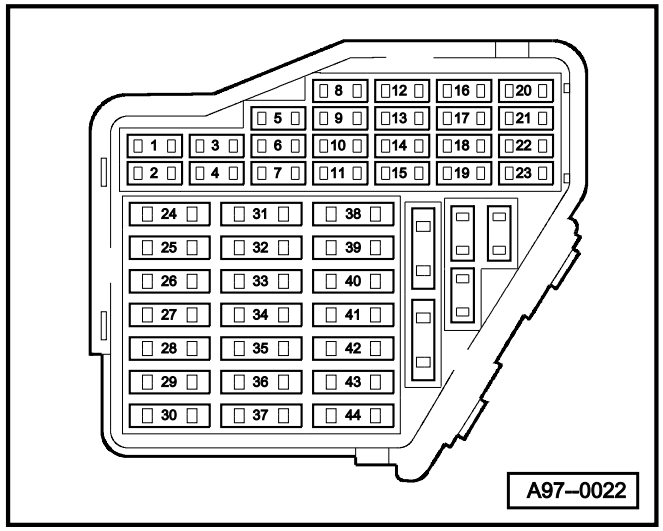
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Short circuit bridge becomes effective when connector is unplugged

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Trailer coupling

From model year 1999

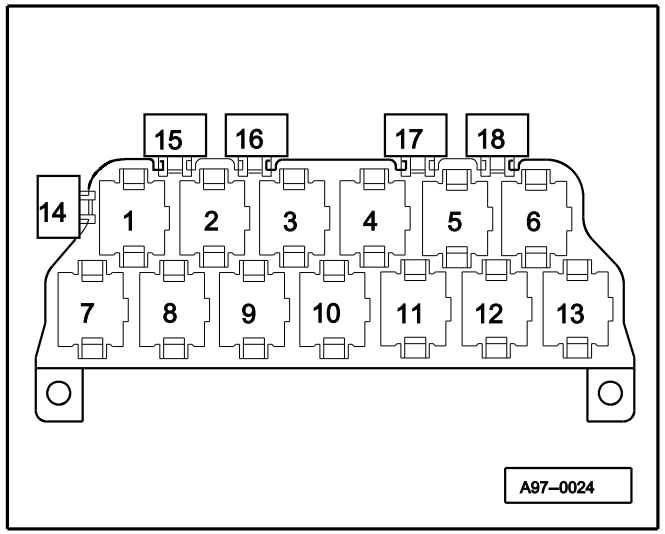
Fuse box:



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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.

13-point relay carrier:



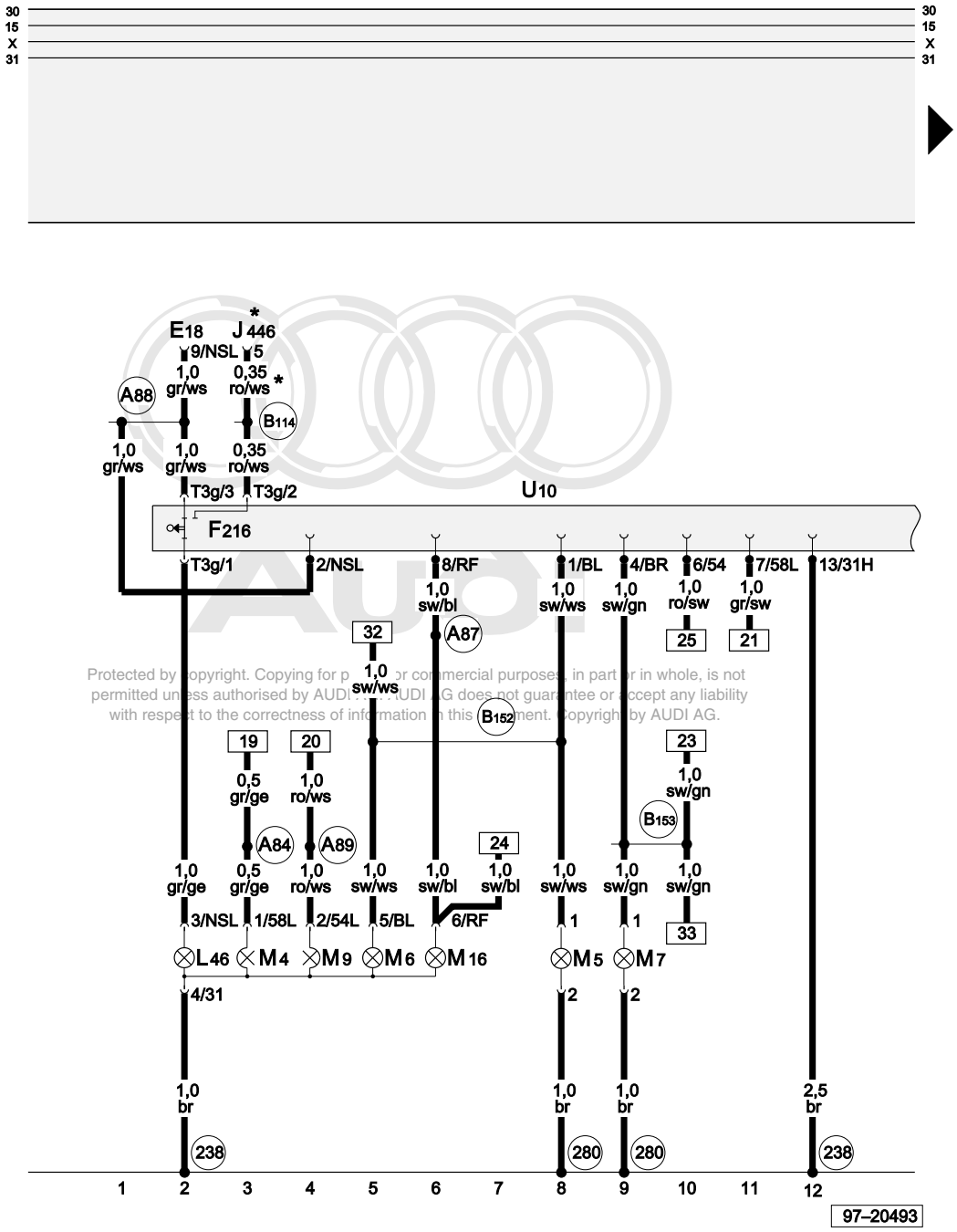
Position of relays:

2 - Bulb monitoring device
3 - Bulb monitoring device

Fuse colours

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

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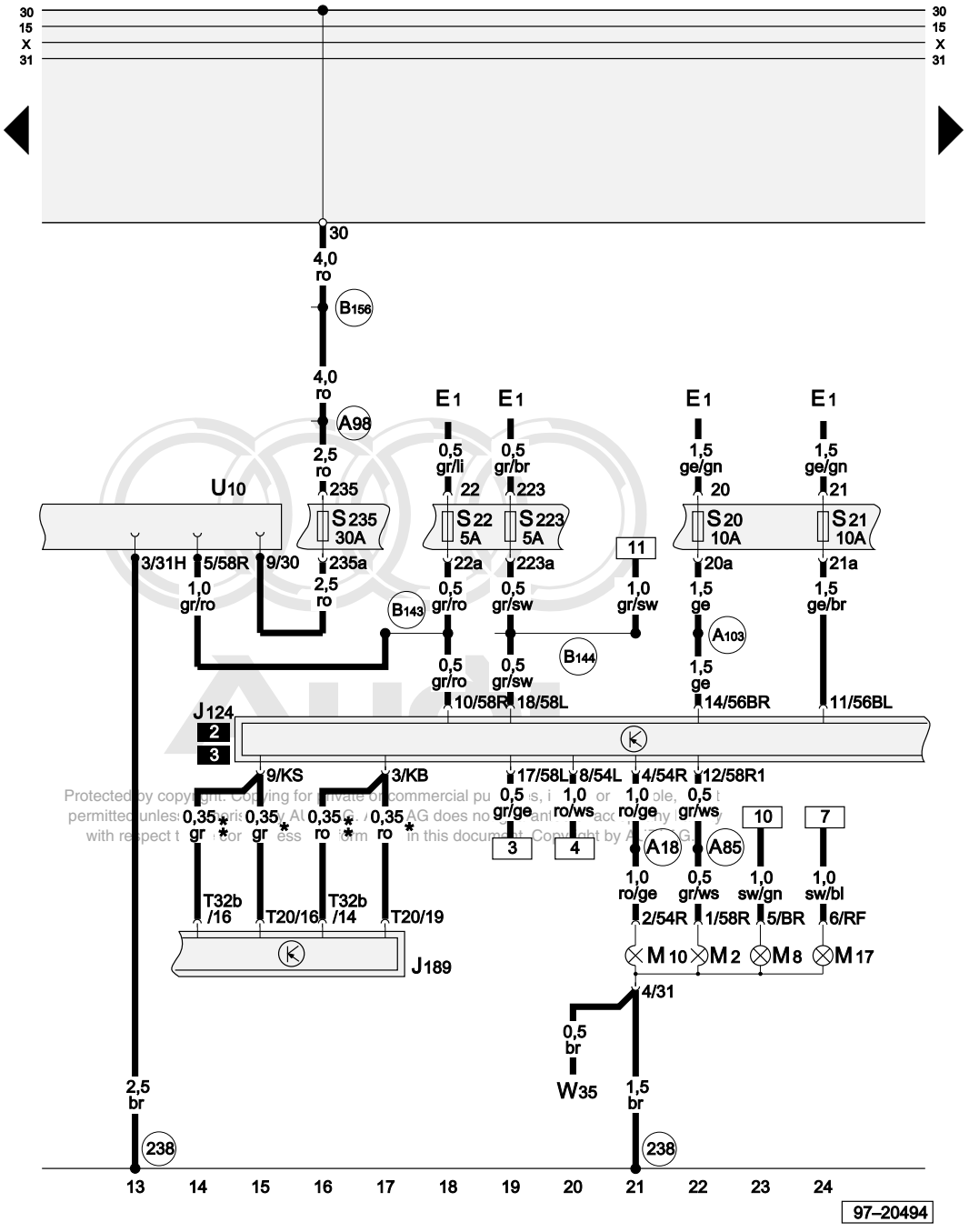


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rs = pink

Trailer coupling

E18	Rear fog light switch
F216	Rear fog light cut-out, contact switch
J446	Parking aid control unit
L46	Rear fog light bulb, left
M4	Tail light bulb, left
M5	Turn signal bulb, front left
M6	Turn signal bulb, rear left
M7	Turn signal bulb, front right
M9	Brake light bulb, left
M16	Reversing light bulb, left
T3g	3-pin connector, on trailer socket
U10	Trailer socket
238	Earth connection -1-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A84	Connection (58L), in dash panel wiring harness
A87	Connection (RL), in dash panel wiring harness
A88	Connection (RFL), in dash panel wiring harness
A89	Connection (54), in dash panel wiring harness
B114	Connection (inhibitor switch), in interior wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (TSR), in interior wiring harness
*	Only models with parking aid

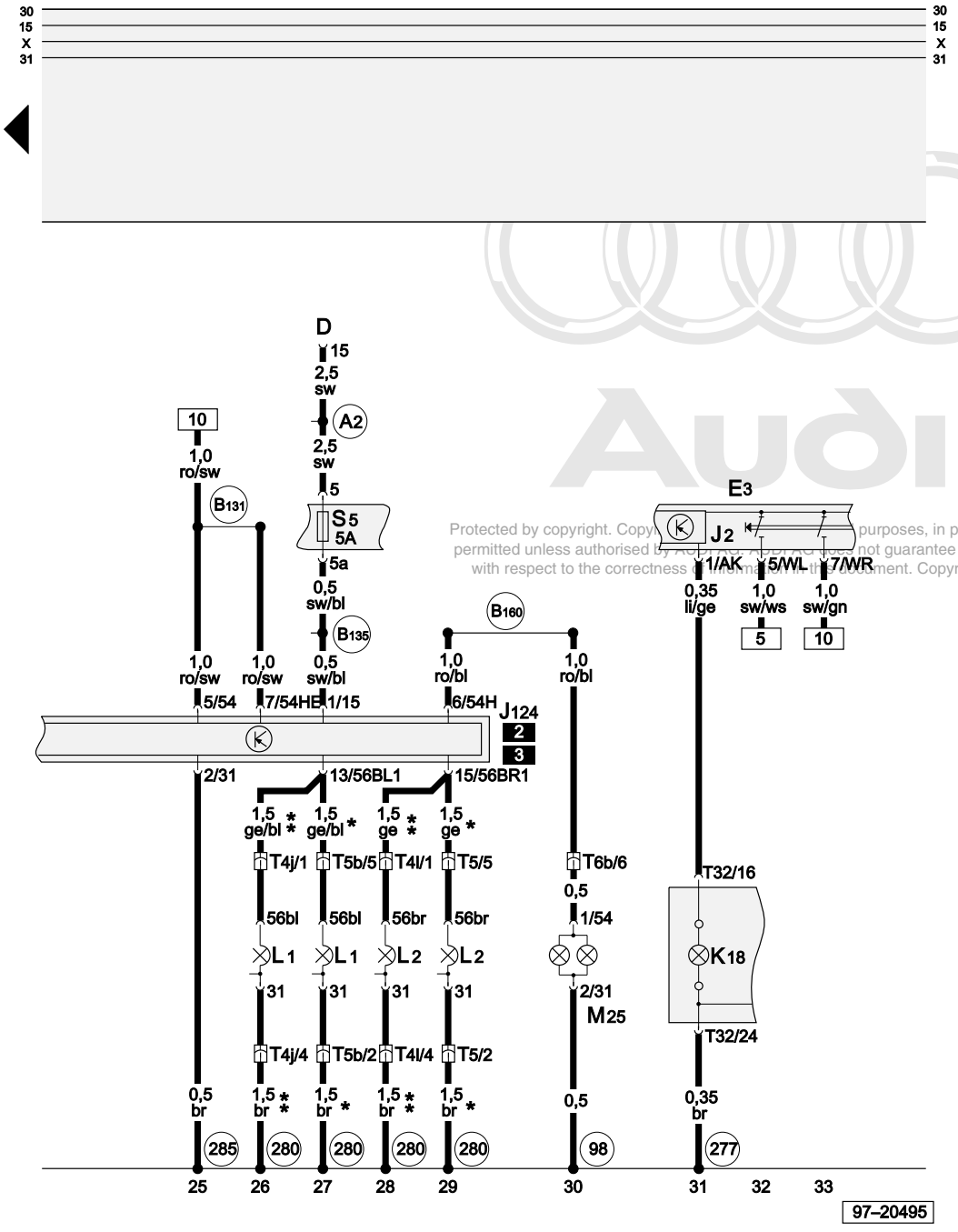


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Trailer coupling

E1	Lighting switch
J124	Bulb monitoring device, rear
J189	Auto-check system
M2	Tail light bulb, right
M8	Turn signal bulb, rear right
M10	Brake light bulb, right
M17	Reversing light bulb, right
T20	20-pin connector, black, on dash panel insert
T32b	32-pin connector, grey, on dash panel insert
U10	Trailer socket
W35	Luggage compartment light, right
238	Earth connection -1-, in interior wiring harness
A18	Connection (54), in dash panel wiring harness
A85	Connection (58R), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A103	Connection --2- (56), in dash panel wiring harness
B143	Positive (+) connection (58R), in interior wiring harness
B144	Positive (+) connection (58L), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
*	Applicable up 1999 model year only
**	Applicable from model year 2000

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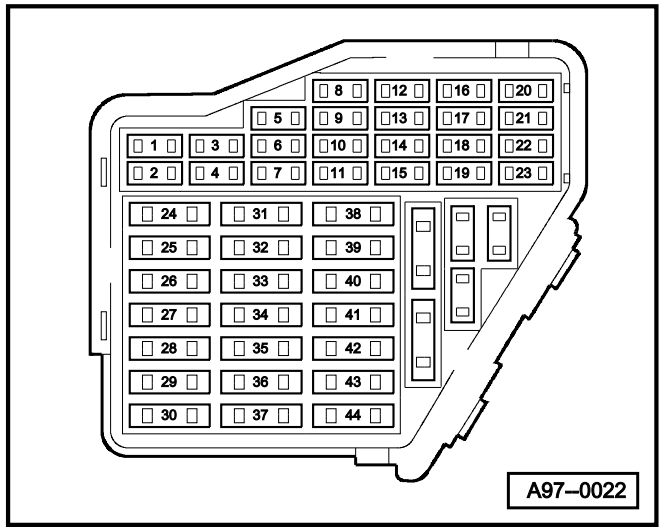
Trailer coupling

D	Ignition/starter switch
E3	Hazard warning light switch
J2	Hazard warning light relay
J124	Bulb monitoring device, rear
K18	Trailer operation warning lamp
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M25	High level brake light bulb
T4j	4-pin connector, headlight, left
T4l	4-pin connector, headlight, right
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
T6b	6-pin connector, blue, in luggage compartment, left
T32	32-pin connector, blue, on dash panel insert
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection -3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
B131	Positive (+) connection (54), in interior wiring harness
B135	Connection (15a), in interior wiring harness
B160	Connection (brake system monitoring), in interior wiring harness
*	Does not apply to 1.8 litre Motronic 154kW
**	Only applies to 1.8 litre Motronic 154kW

Anti-lock brake system (ABS, EDL and ASR)

From model year 1999

Fuse box:

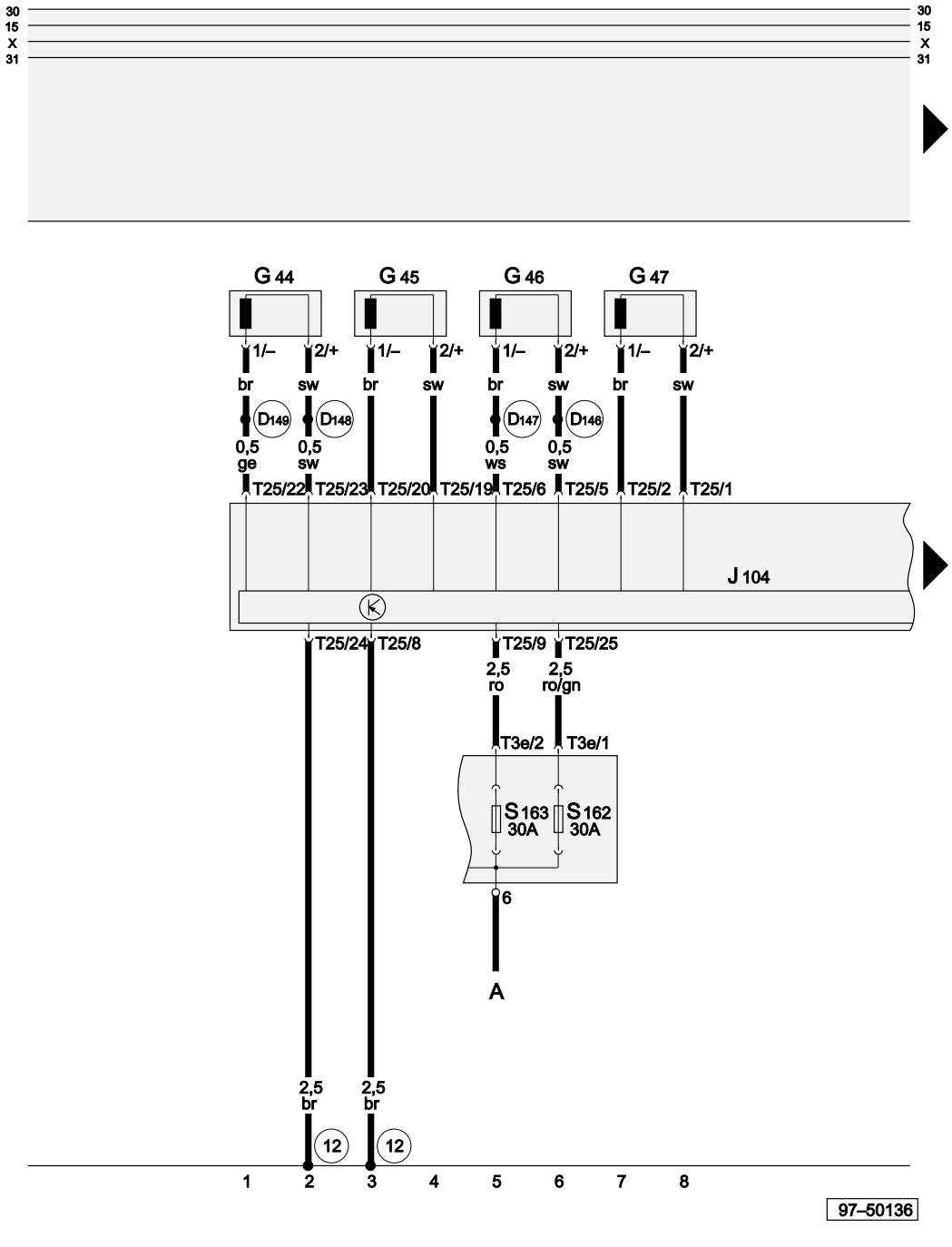


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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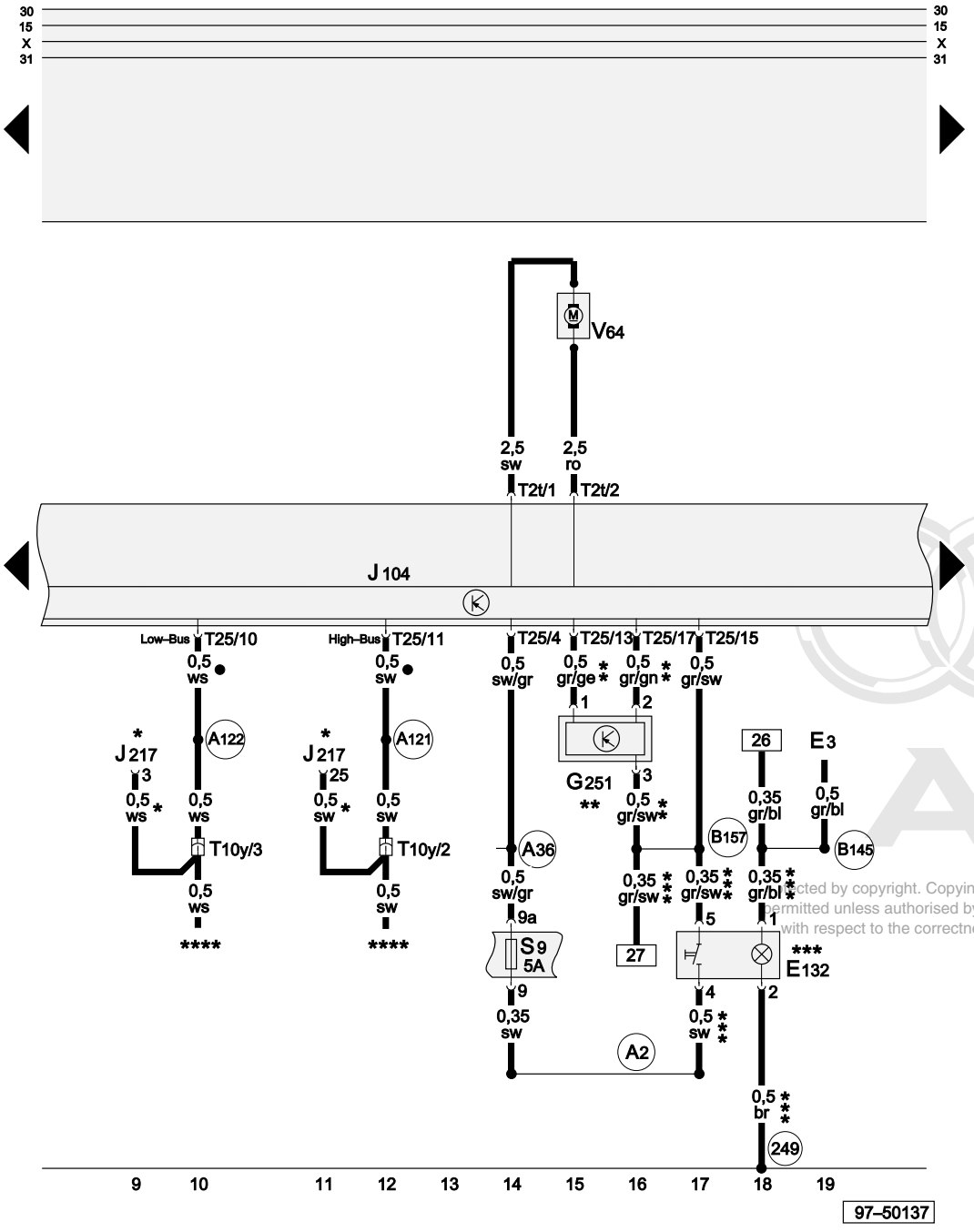


Anti-lock brake system (ABS, EDL and ASR)

A	Battery
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
S162	1 in fuse box/battery
S163	2 in fuse box/battery
T3e	3-pin connector, black, on main fuse box/battery
T25	25-pin connector, on ABS control unit
12	Earth point, in engine compartment, left
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

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sw	=	black
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gn	=	green
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rs	=	pink

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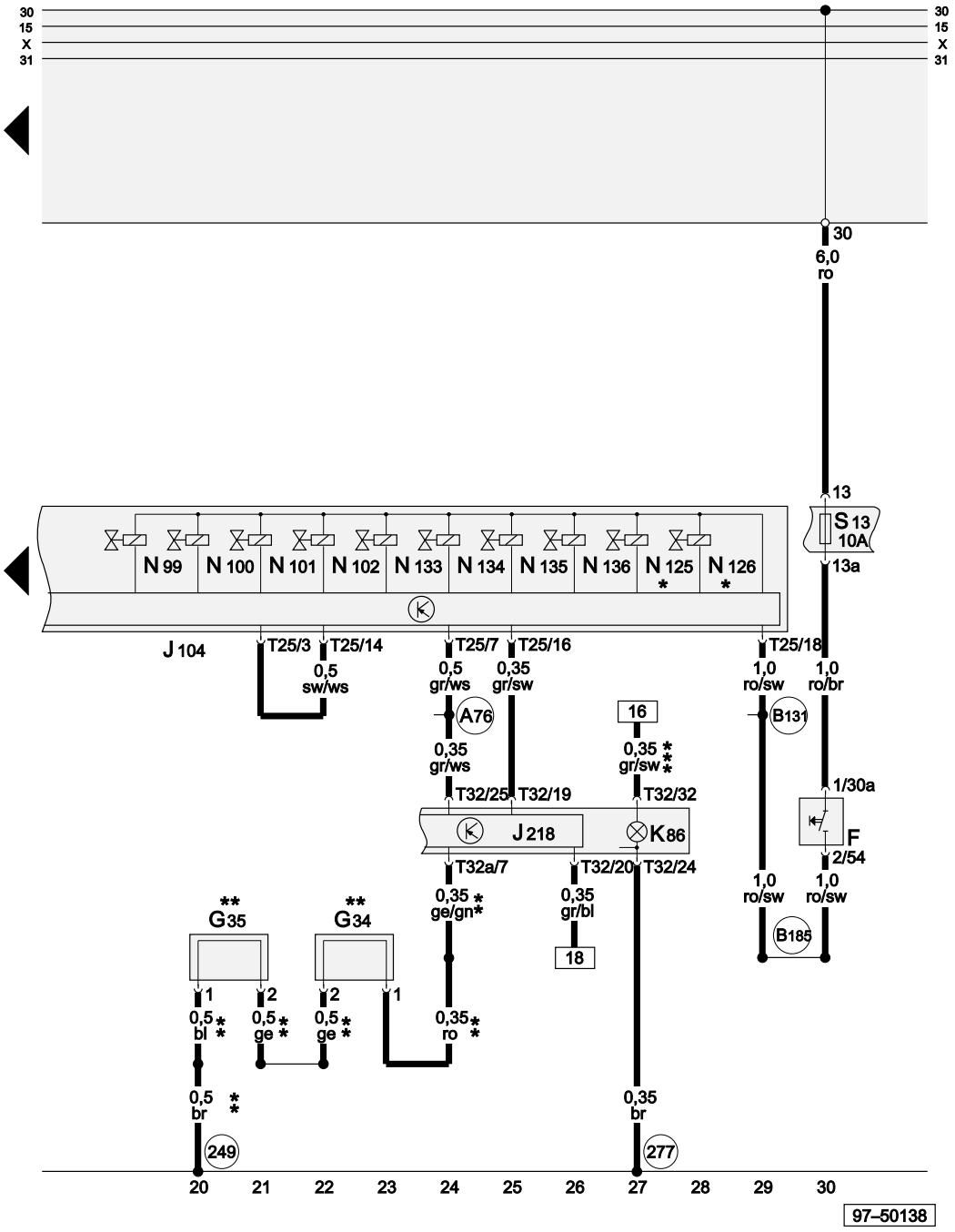


Anti-lock brake system (ABS, EDL and ASR)

E3	Hazard warning light switch
E132	Traction control system switch
G251	Longitudinal acceleration sender
J104	ABS with EDL control unit
J217	Automatic gearbox control unit
T2t	2-pin connector, on ABS control unit
T10y	10-pin connector, green, in plenum chamber
T25	25-pin connector, on ABS control unit
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
B145	Positive (+) connection (58b), in interior wiring harness
B157	Positive (+) connection -3- (15a), in interior wiring harness
*	Only models with automatic gearbox
**	Only models with four-wheel drive
***	Only models with ABS with EDL and ASR/TCS
****	See applicable engine version
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	Data wire (CAN bus)

ws	=	white
sw	=	black
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Anti-lock brake system (ABS, EDL and ASR)

F	Brake light switch
G34	Brake lining/pad wear sender, front left
G35	Brake lining/pad wear sender, front right
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
T25	25-pin connector, on ABS control unit
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
B131	Positive (+) connection (54), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with ABSwith EDL
**	Only models with brake system monitoring
***	Only models with ABS with EDL and ASR/TCS

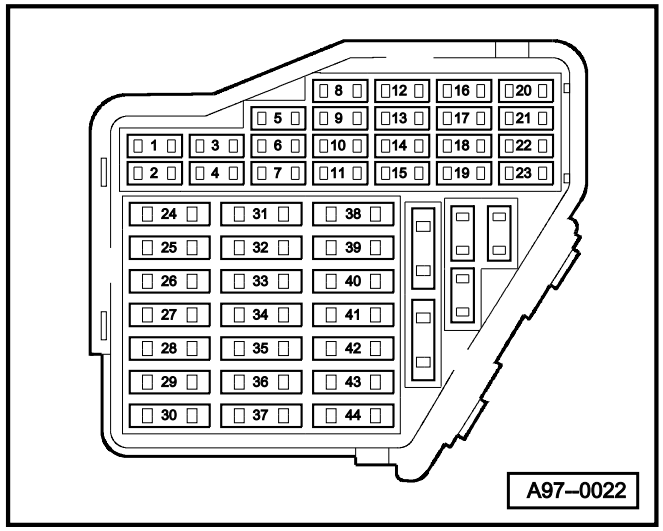
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Ambient temperature and selector lever position indicator

From model year 1999

Fuse box:

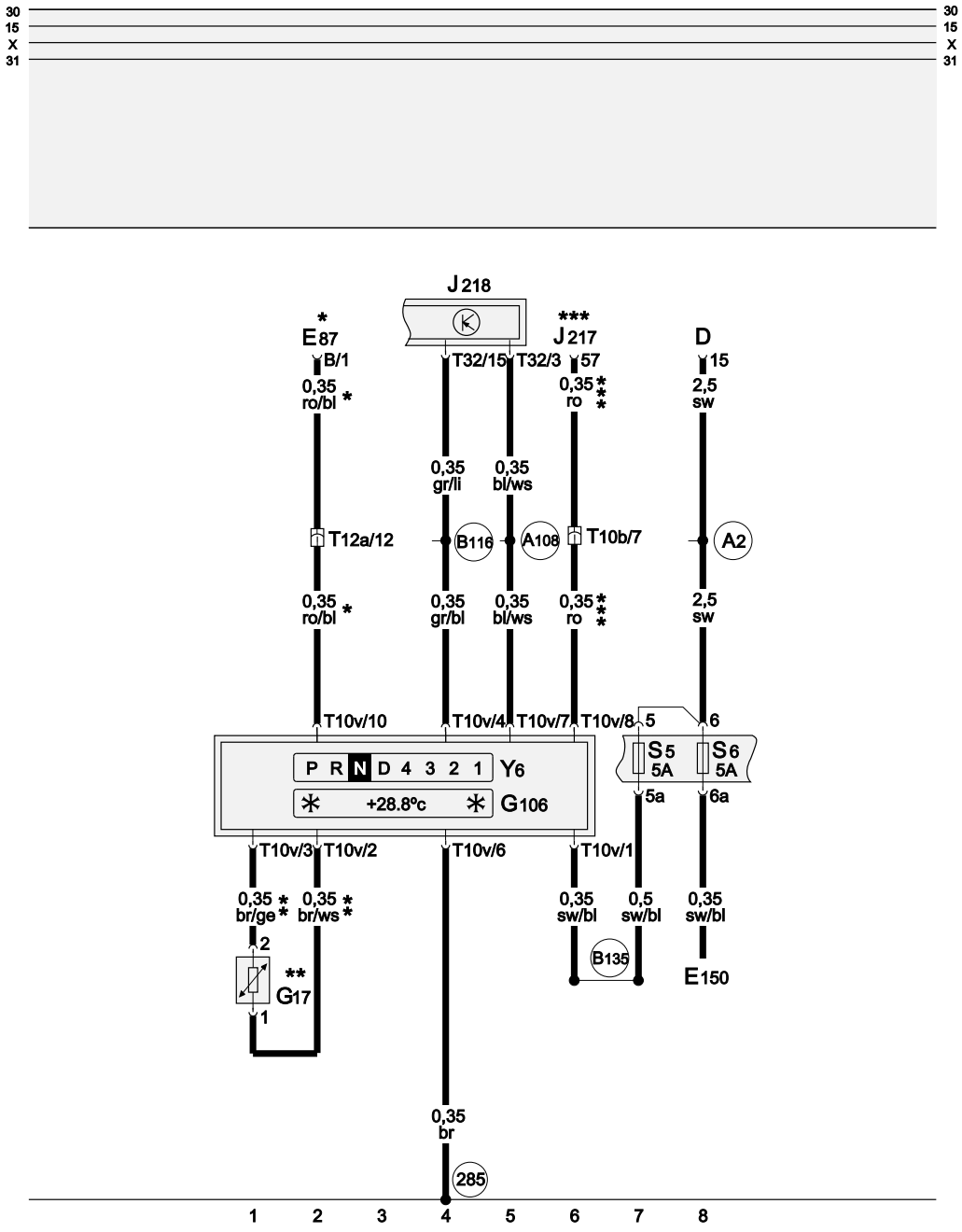


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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Ambient temperature and selector lever position indicator

D	Ignition/starter switch
E87	Control and display unit for air conditioner
E150	Interior locking switch, driver's side
G17	Ambient temperature sensor
G106	Ambient temperature indicator
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
T10b	10-pin connector, grey, in plenum chamber
T10v	10-pin connector, on dash panel insert
T12a	12-pin connector, behind dash panel, right
T32	32-pin connector, blue, on dash panel insert
Y6	Selector lever position indicator
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
B135	Connection (15a), in interior wiring harness
*	Only models with ambient temperature indicator, with air conditioner
**	Only models with ambient temperature indicator, without air conditioner
***	Only models with four speed automatic gearbox

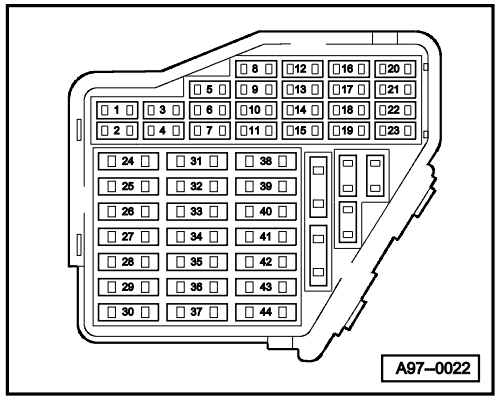
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Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

From model year 1999

Fuse box:

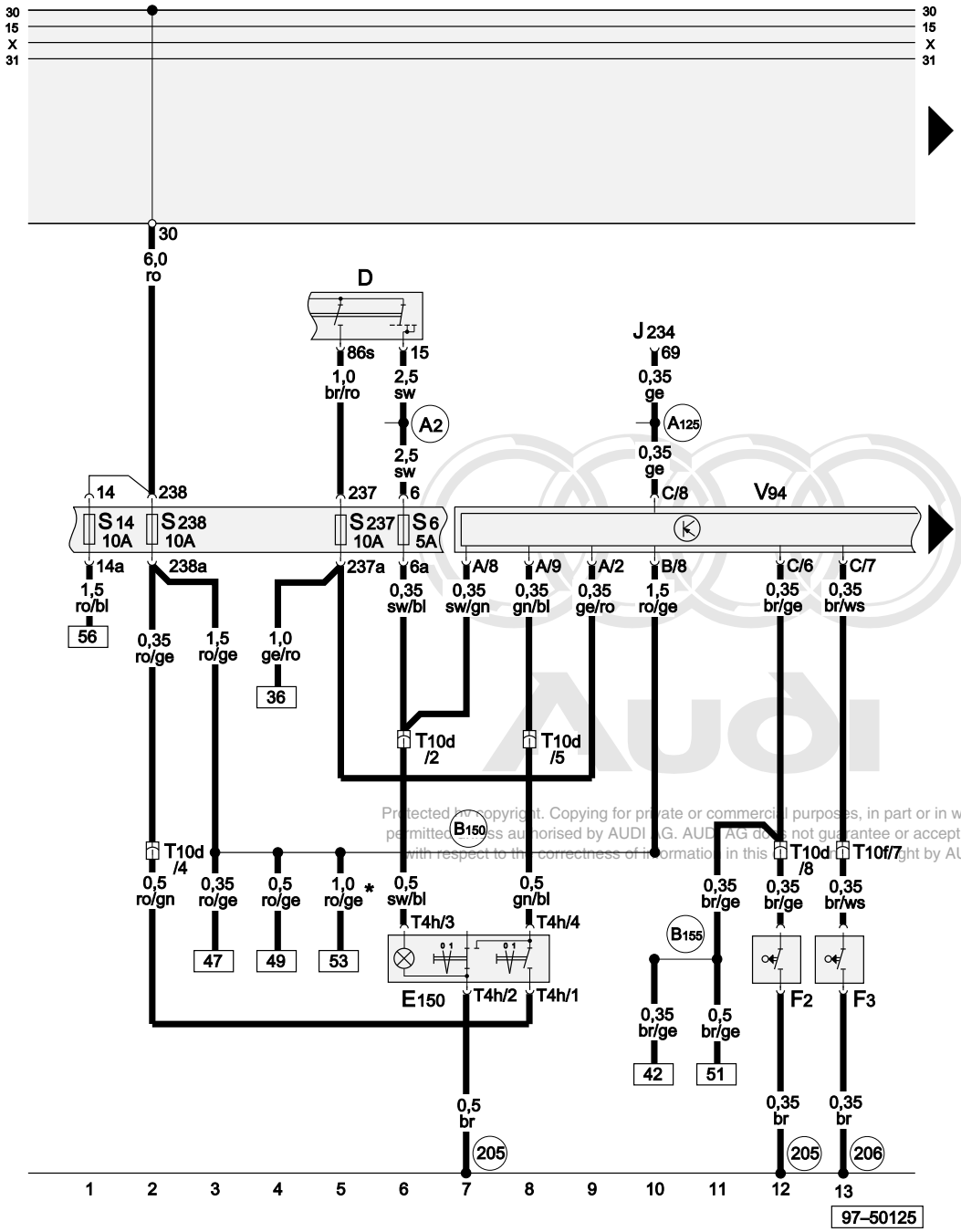


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

30 A - green
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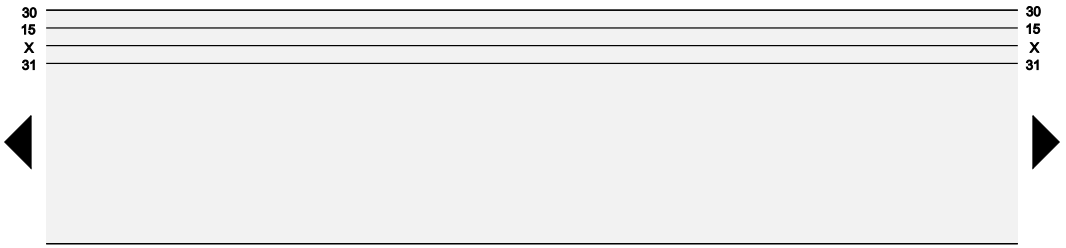


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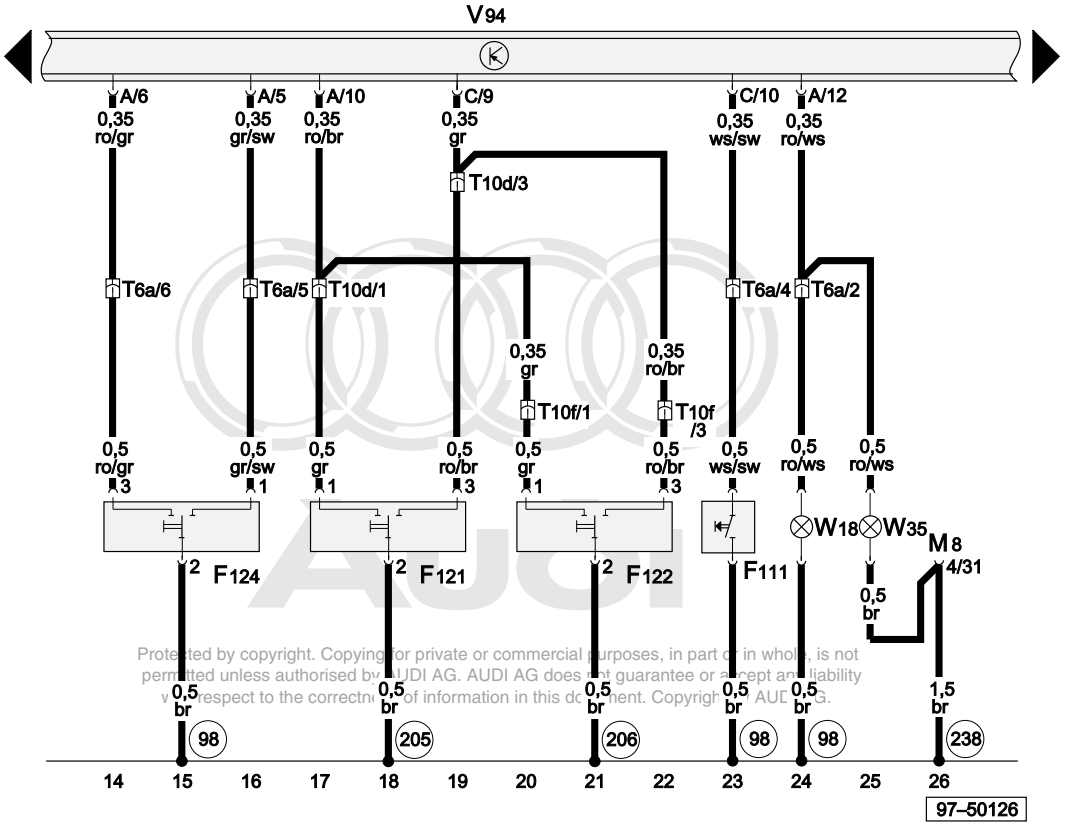
Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

D	Ignition/starter switch
E150	Interior locking switch, driver's side
F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
J234	Airbag control unit
T4h	4-pin connector, black, 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
A2	Positive (+) connection (15), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
B155	Connection -2- (DC), in interior wiring harness
*	Applies to models for Great Britain only



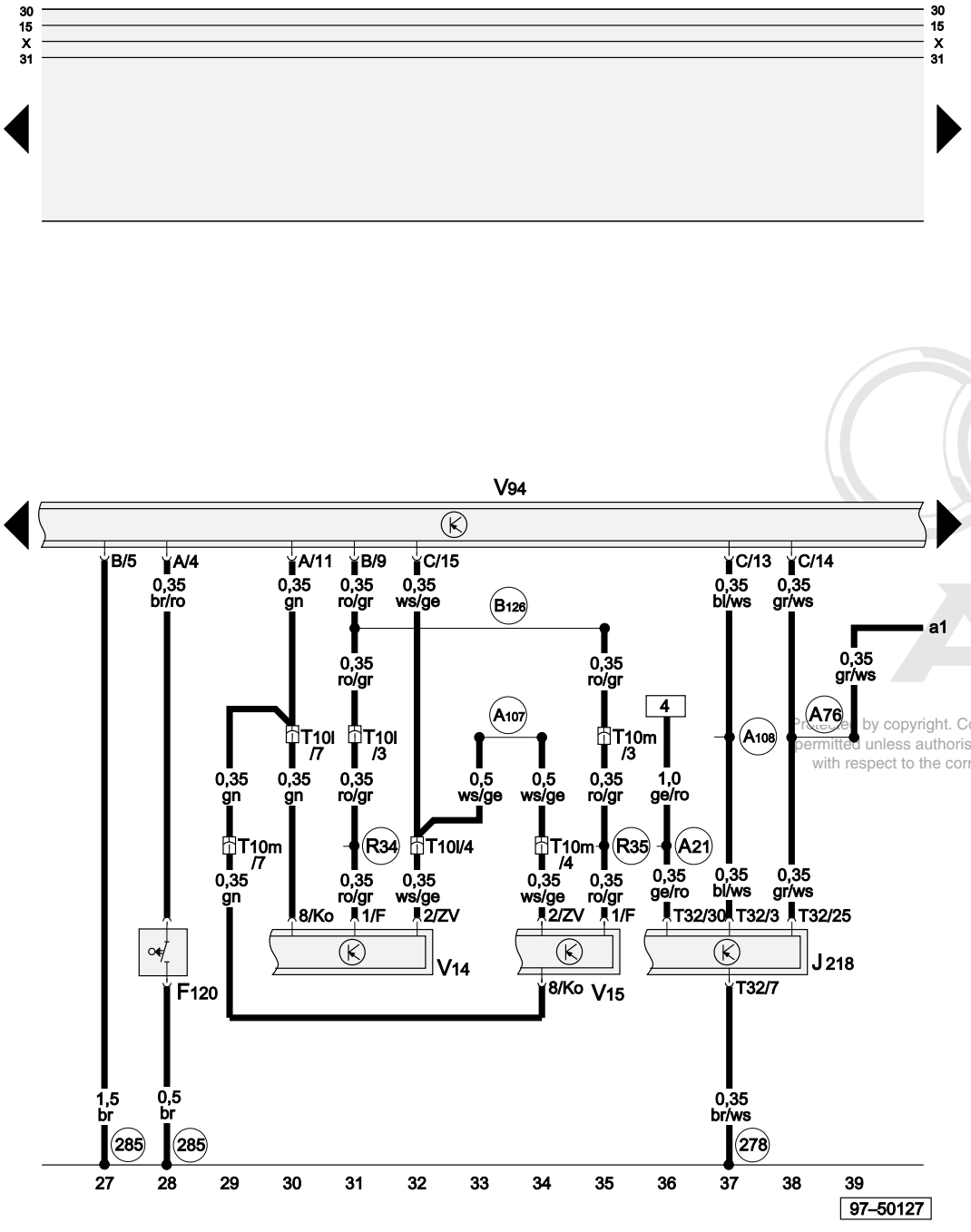
Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

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
M8	Turn signal bulb, rear right
R	Radio
T1	Single connector, brown, on radio
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
238	Earth connection -1-, in interior wiring harness



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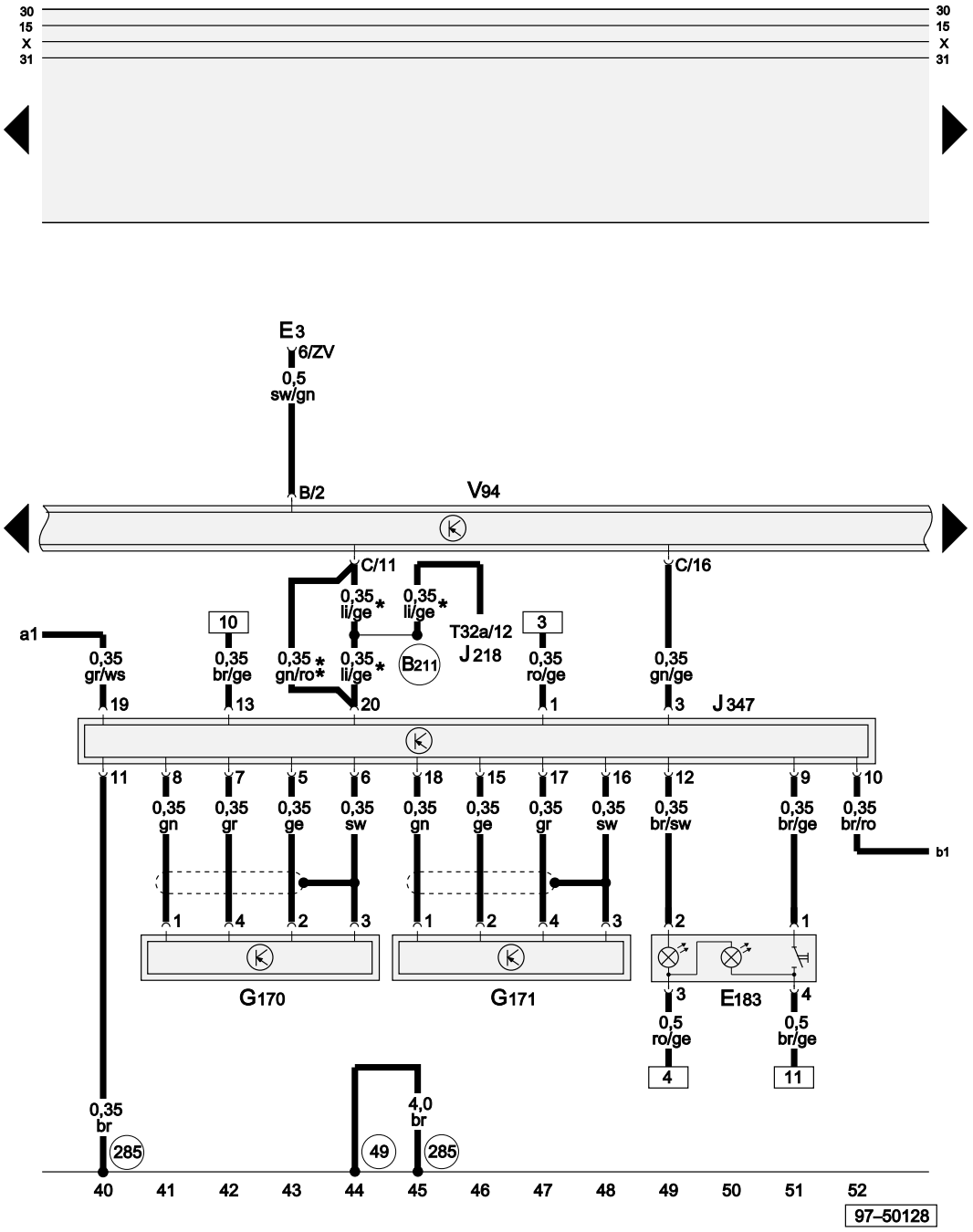


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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

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

F120	Anti-theft alarm system contact switch
J218	Combi-processor in dash panel insert
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, right
T32	32-pin connector, blue, on dash panel insert
V14	Electric window motor, left
V15	Electric window motor, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
278	Earth connection -4-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A21	Connection (86s), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B126	Positive (+) connection (87, electric windows control unit), in electric window wiring harness
R34	Connection (87), in door wiring harness, driver's side
R35	Connection (87), in door wiring harness, front passenger's side

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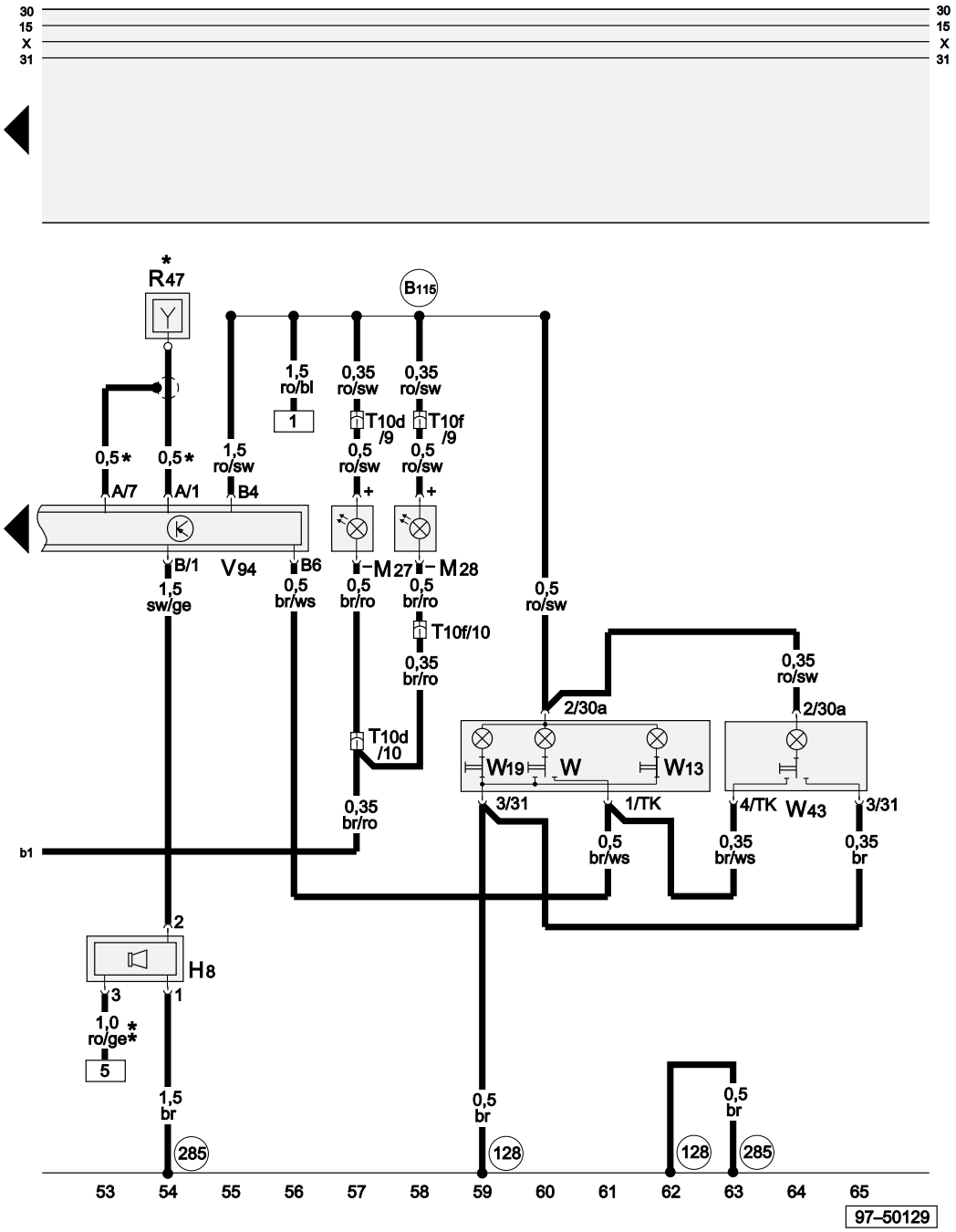


Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring

E3	Hazard warning light switch
E183	Interior monitor switch
G170	Left ultra-sonic sensor for anti-theft alarm system
G171	Right ultra-sonic sensor for anti-theft alarm system
J218	Combi-processor in dash panel insert
J347	Ultra-sonic sensor control unit
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
49	Earth point, next to steering columm, left
285	Earth connection -7-, in interior wiring harness
B211	Positive (+) connection -1- (Climatronic rear), in interior wiring harness
*	Applies to models for Great Britain only
**	Does not apply to models for Great Britain

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

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
W13	Reading light, front passenger's side
W19	Reading light, driver's side
W43	Rear interior light
128	Earth connection -1-, in interior light wiring harness
285	Earth connection -7-, in interior wiring harness
B115	Positive (+) connection (30, central electrics), in interior wiring harness
*	Only models with radio-operated remote control
**	Applies to models for Great Britain only

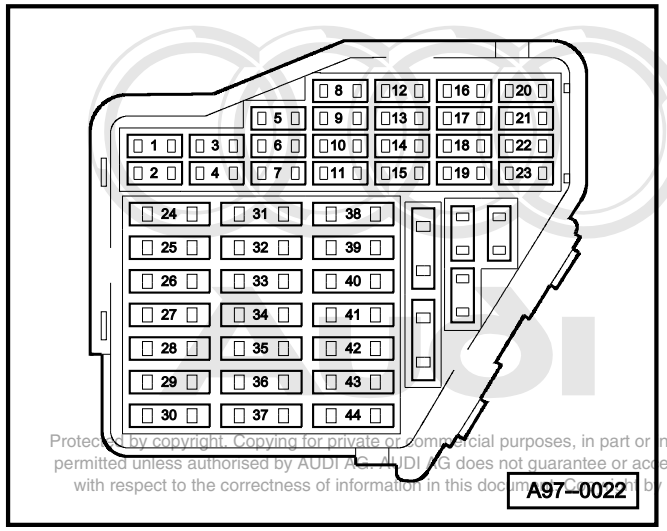
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Parking aid

From model year 1999

Fuse box:

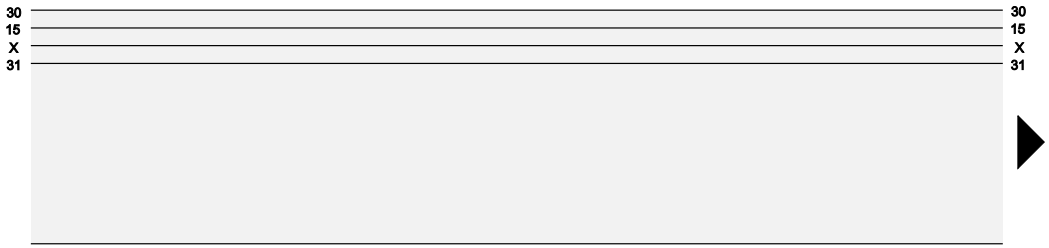


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

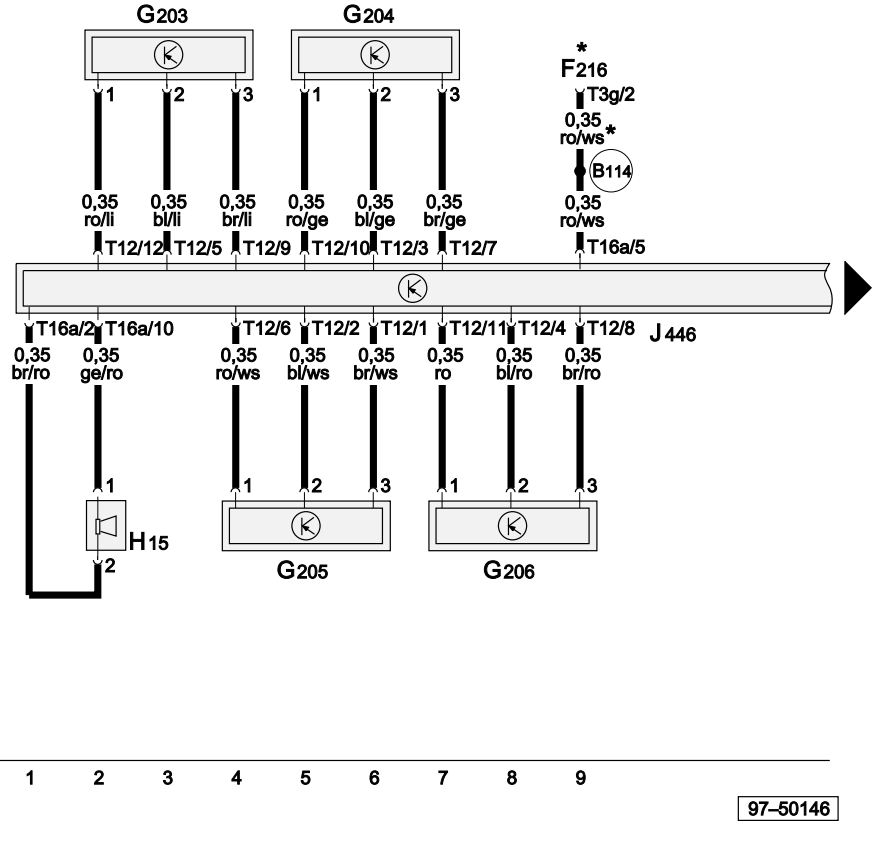


Parking aid

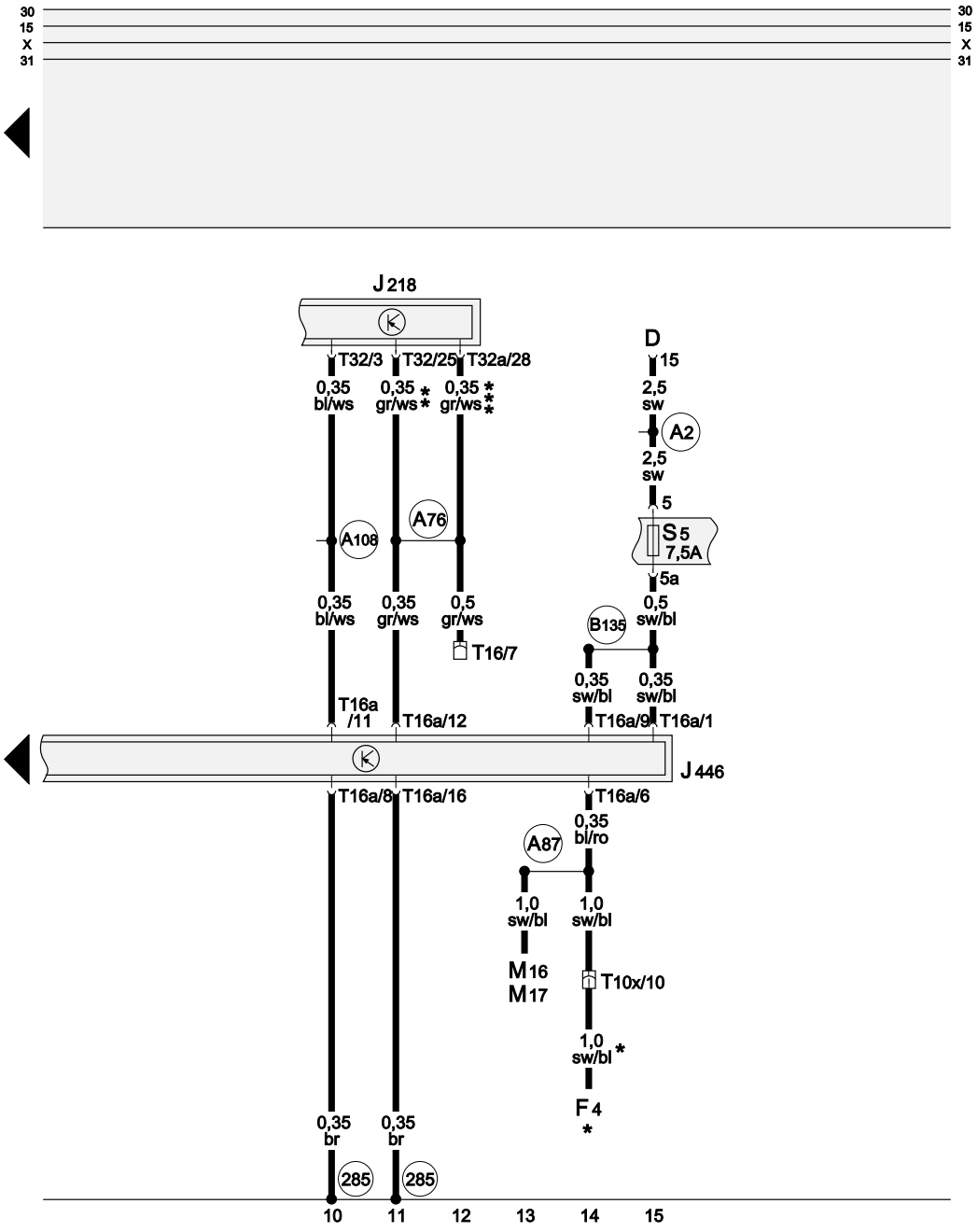
F216	Rear fog light cut-out, contact switch
G203	Rear left parking aid sender
G204	Centre rear left parking aid sender
G205	Centre rear right parking aid sender
G206	Rear right parking aid sender
H15	Parking aid warning buzzer
J446	Parking aid control unit
T3g	3-pin connector, on trailer socket
T12	12-pin connector, on right luggage compartment
T16a	16-pin connector, brown, in luggage compartment, right
B114	Connection (inhibitor switch), in interior wiring harness

* Only models with trailer coupling

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Parking aid

D	Ignition/starter switch
F4	Reversing light switch
J218	Combi-processor in dash panel insert
J446	Parking aid control unit
M16	Reversing light bulb, left
M17	Reversing light bulb, right
T10x	10-pin connector, orange, in plenum chamber
T16	16-pin connector, black, centre console compartment
T16a	16-pin connector, brown, in luggage compartment, right
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A87	Connection (RL), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
*	Only models with manual gearbox
**	Applicable up 1999 model year only
***	Applicable from model year 2000

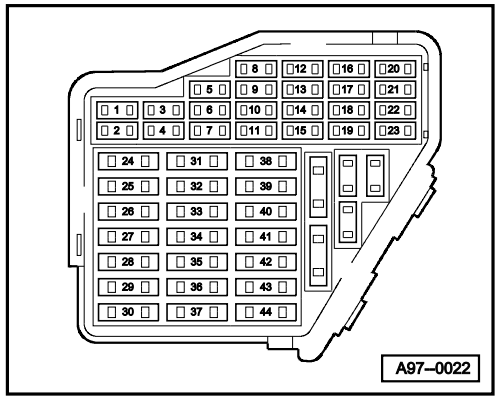
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Electrically adjustable and heated exterior mirrors with fold-in feature

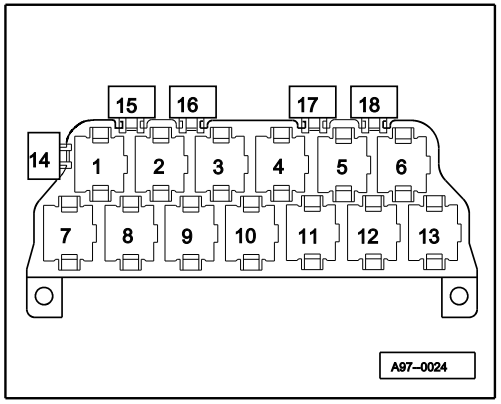
from model year 1999

Fuse holder:



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

13-point relay carrier:



Relay positions:

5 - Folding exterior mirror control unit
6 - Folding exterior mirror control unit

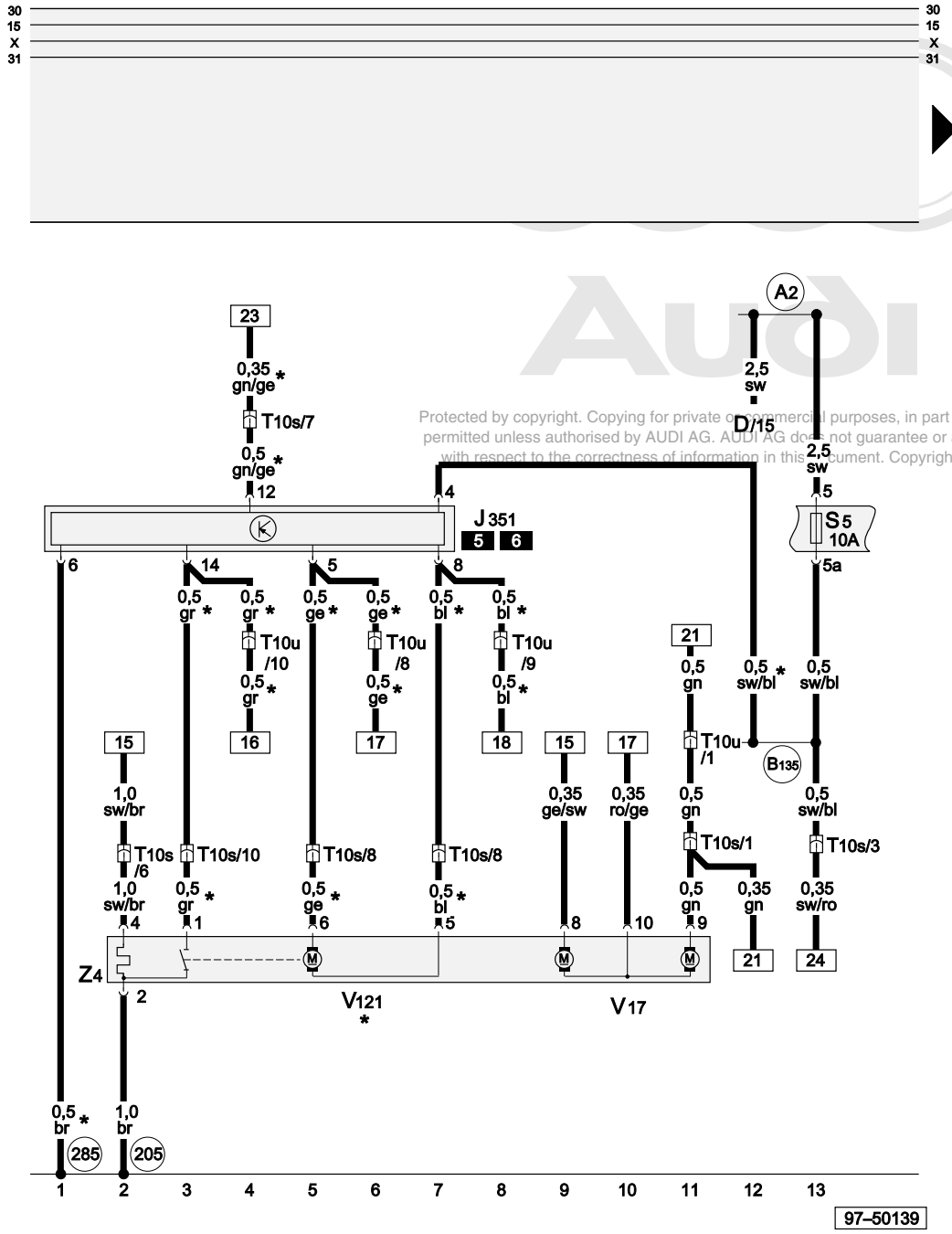
Fuse colours

30 A - green
25 A - white

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5A - beige

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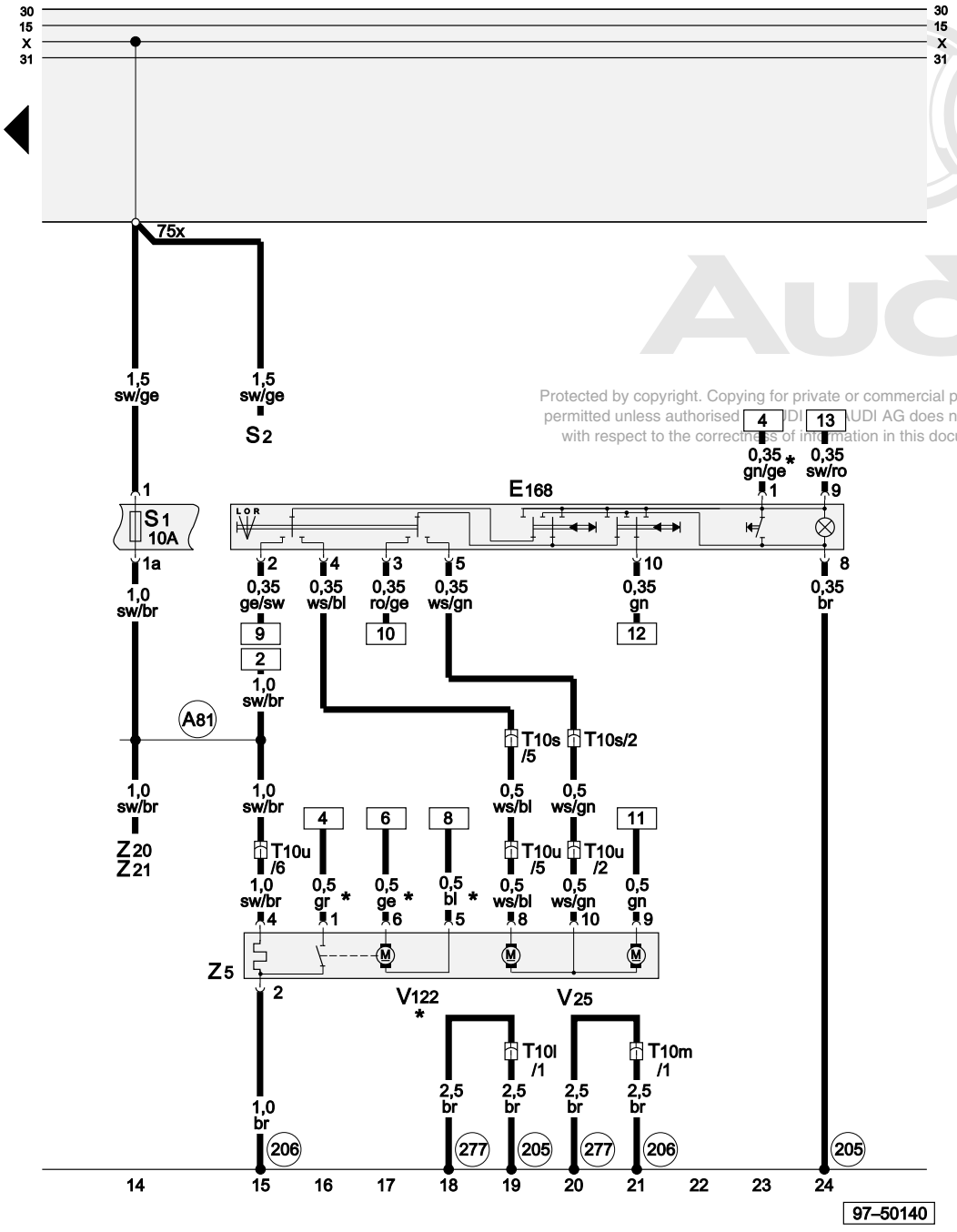


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Electrically adjustable and heated exterior mirrors with fold-in feature

D	Ignition/starter switch
J351	Folding exterior mirror control unit
T10s	10-pin connector, black, coupling station on left A-pillar
T10u	10-pin connector, black, coupling station right A-pillar
V17	Mirror adjustment motor (driver side)
V121	Driver side folding mirror motor
Z4	Heated exterior mirror on driver side
205	Earth connection, in driver door wiring harness
285	Earth connection 7, in interior wiring harness
A2	Positive connection (15), in dash panel wiring harness
B135	Positive connection (15a), in interior wiring harness

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Electrically adjustable and heated exterior mirrors with fold-in feature

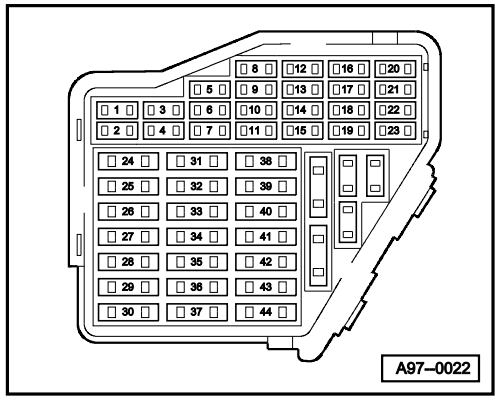
E168	Adjustment switch for mirror with fold-in feature
T10l	10-pin connector, red, coupling station on left A-pillar
T10m	10-pin connector, red, coupling station on left A-pillar
T10s	10-pin connector, black, coupling station on left A-pillar
T10u	10-pin connector, black, coupling station right A-pillar
V25	Mirror adjustment motor (front passenger side)
V122	Front passenger side folding mirror motor
Z5	Front passenger side heated exterior mirror
Z20	Left washer jet heater element
Z21	Right washer jet heater element
205	Earth connection, in driver door wiring harness
206	Earth connection, in front passenger door wiring harness
277	Earth connection 3, in interior wiring harness
A81	Connection 2 (X), in dash panel wiring harness
*	only with heated exterior mirrors with fold-in feature

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

Driver information system

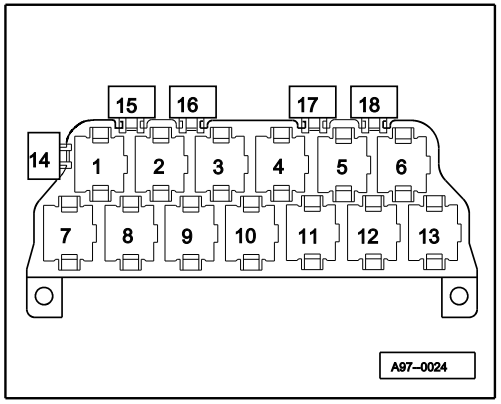
From model year 1999

Fuse box:



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

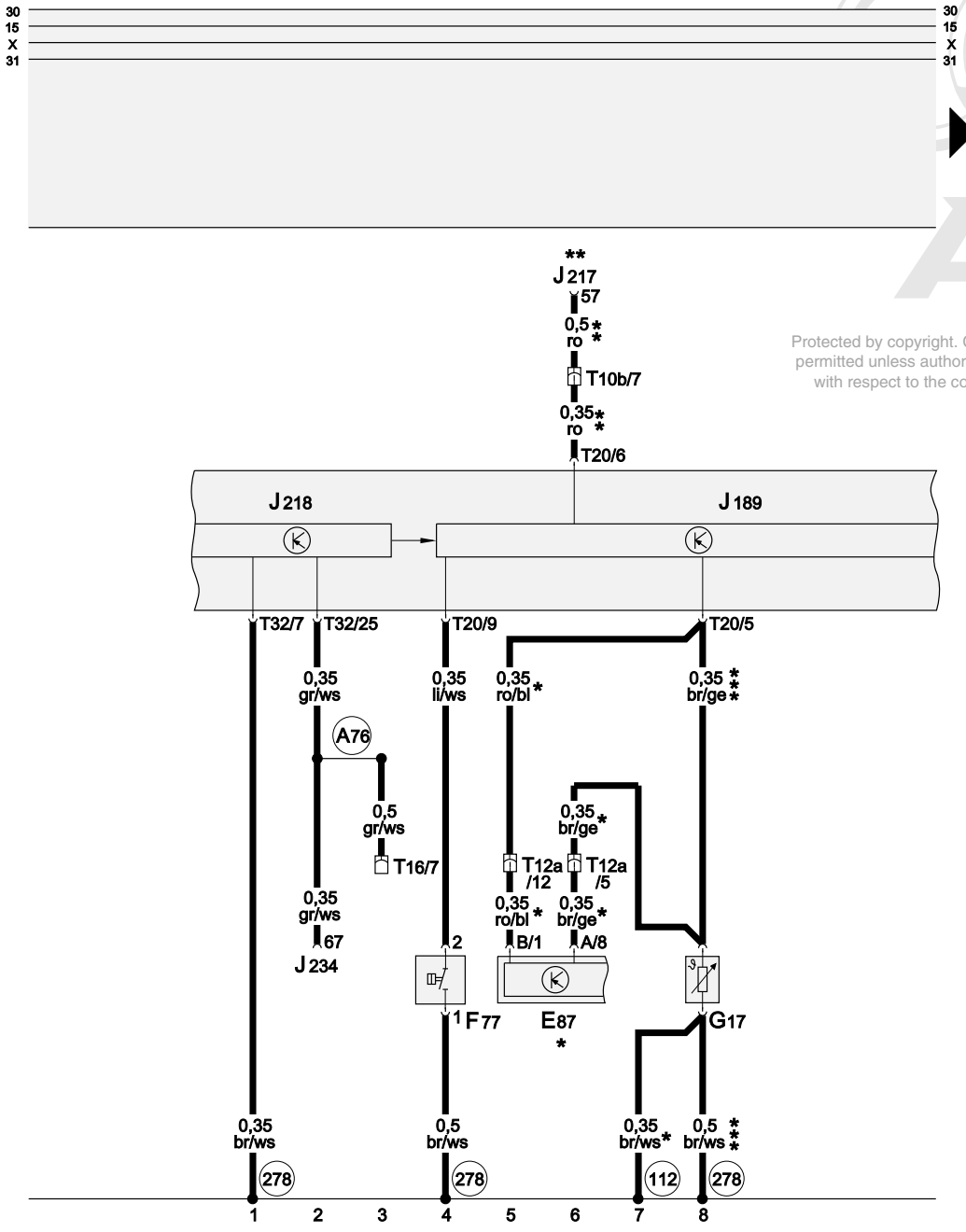
Fuse colours

30 A - green
25 A - white

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20 A - yellow
15 A - blue
10 A - red
5A - beige

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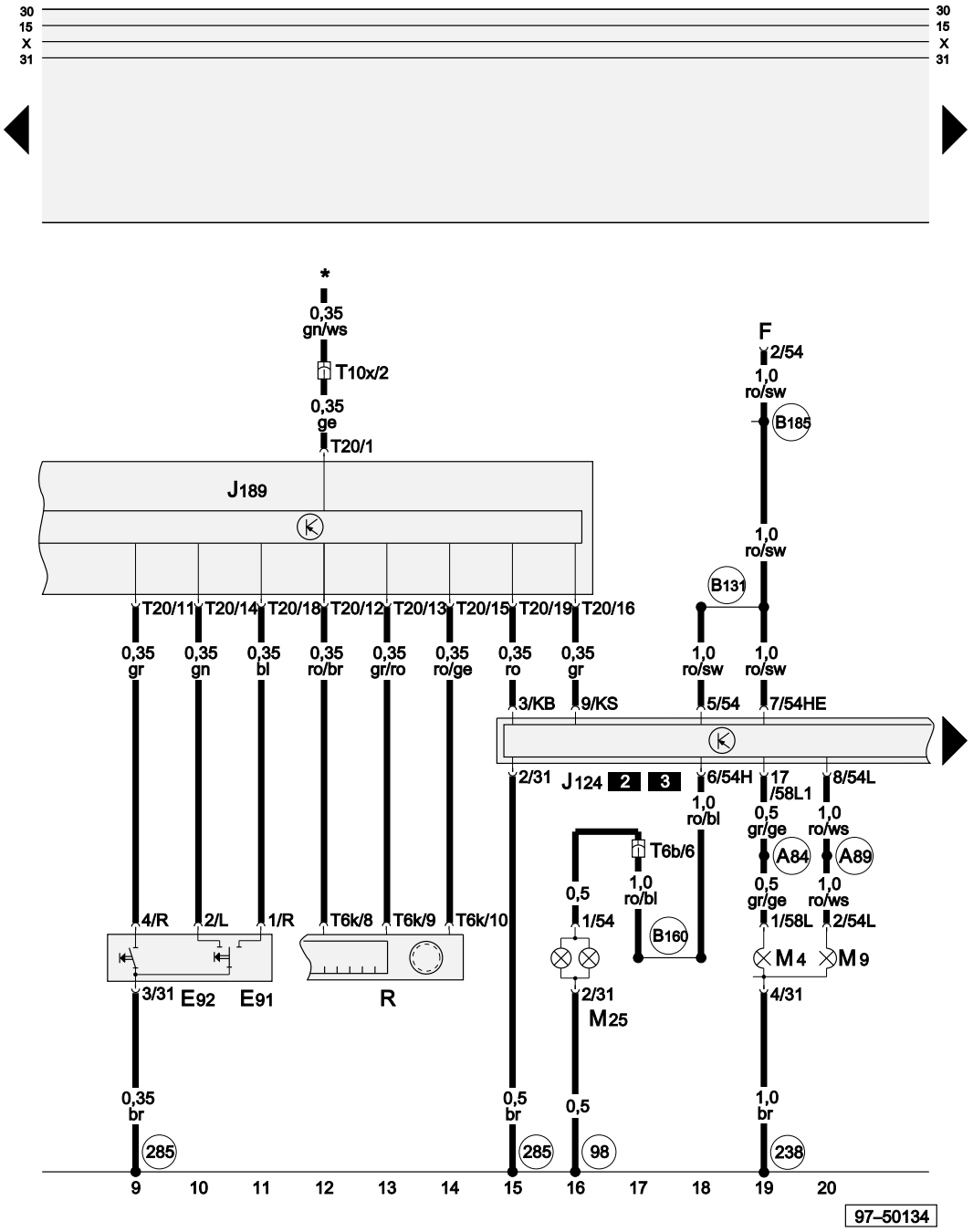


ws = white
sw = black
ro = red
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

On-board computer with auto-check system, ambient temperature indicator, washer fluid level indicator

E87	Control and display unit for air conditioner
F77	Windscreen washer fluid warning contact
G17	Ambient temperature sensor
J189	Auto-check system
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
J234	Airbag control unit
T10b	10-pin connector, grey, in plenum chamber
T12a	12-pin connector, behind dash panel, right
T16	16-pin connector, black, centre console compartment
T20	20-pin connector, red, on dash panel insert
T32	32-pin connector, blue, on dash panel insert
112	Earth connection -2-, in air conditioner wiring harness
278	Earth connection -4-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
*	Only models with air conditioner
**	Only models with four speed automatic gearbox
***	Does not apply to models with air conditioner

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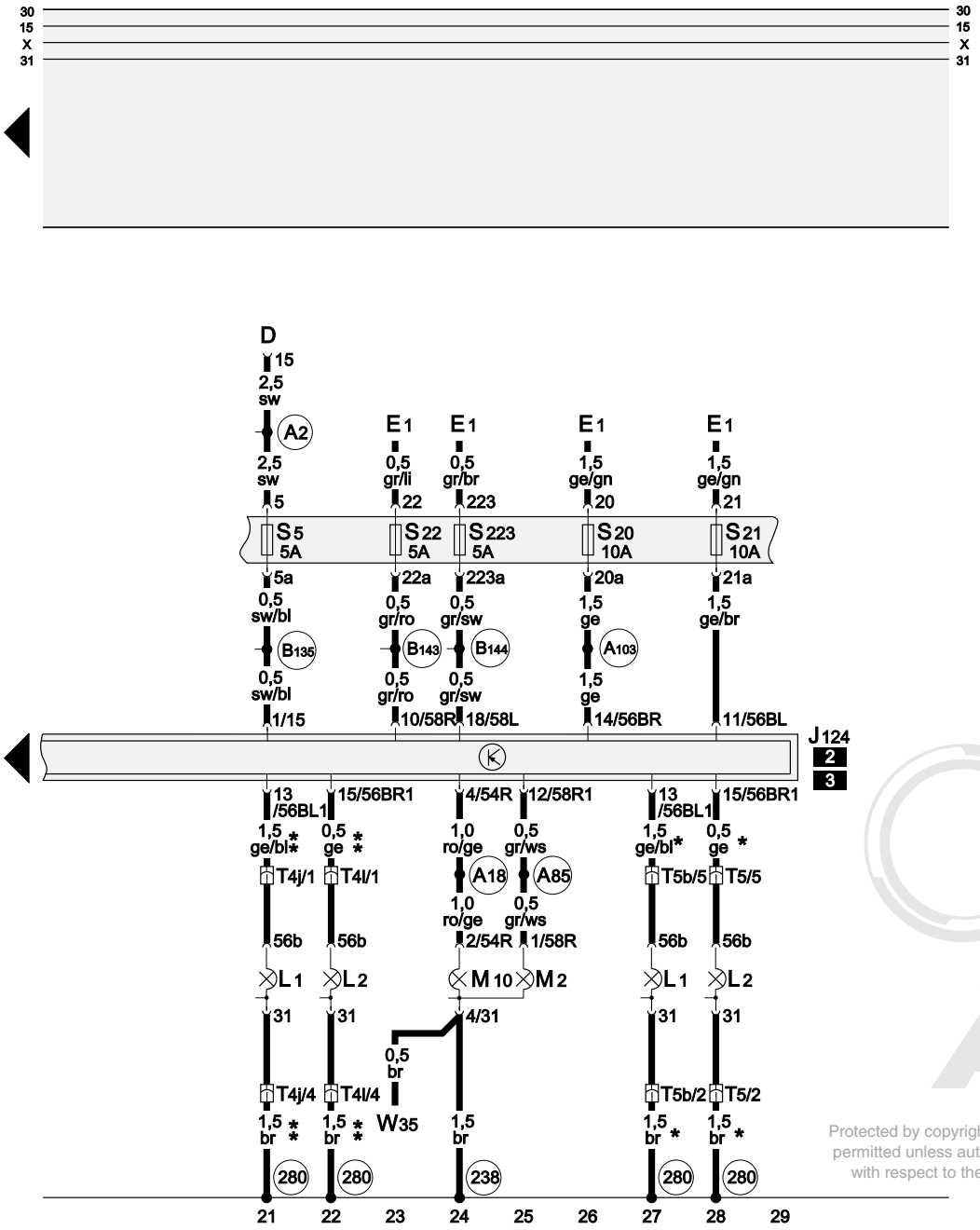


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On-board computer with auto-check system

E91	Function selection switch
E92	Reset button
F	Brake light switch
J124	Bulb monitoring device, rear
J189	Auto-check system
M4	Tail light bulb, left
M9	Brake light bulb, left
M25	High level brake light bulb
R	Radio
T6b	6-pin connector, blue, in luggage compartment, left
T6k	6-pin connector, on radio
T10x	10-pin connector, orange, in plenum chamber
T20	20-pin connector, red, on dash panel insert
98	Earth connection, in tailgate/boot lid wiring harness
238	Earth connection -1-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A84	Connection (58L), in dash panel wiring harness
A89	Connection (54), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
B160	Connection (brake system monitoring), in interior wiring harness
*	See applicable engine version

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Bulb monitoring device, rear

D	Ignition/starter switch
E1	Lighting switch
J124	Bulb monitoring device, rear
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M2	Tail light bulb, right
M10	Brake light bulb, right
T4j	4-pin connector, headlight, left
T4l	4-pin connector, headlight, right
T5	5-pin connector, on headlight, right
T5b	5-pin connector, on headlight, left
W35	Luggage compartment light, right
238	Earth connection -1-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A18	Connection (54), in dash panel wiring harness
A85	Connection (58R), in dash panel wiring harness
A103	Connection -2- (56), in dash panel wiring harness
B135	Connection (15a), in interior wiring harness
B143	Positive (+) connection (58R), in interior wiring harness
B144	Positive (+) connection (58L), in interior wiring harness
*	Does not apply to 1.8 litre turbo-Motronic 154kW
**	Only applies to 1.8 litre turbo-Motronic 154kW

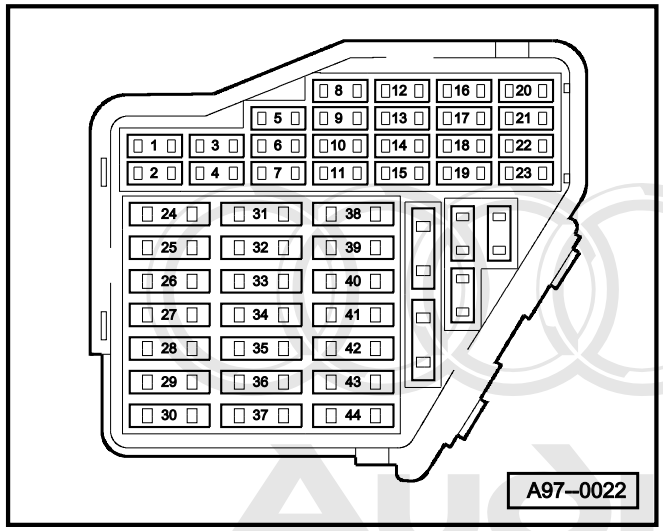
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Cruise control system (for 1.6 litre Simos, 4-cylinder)

From model year 1999

Fuse box:

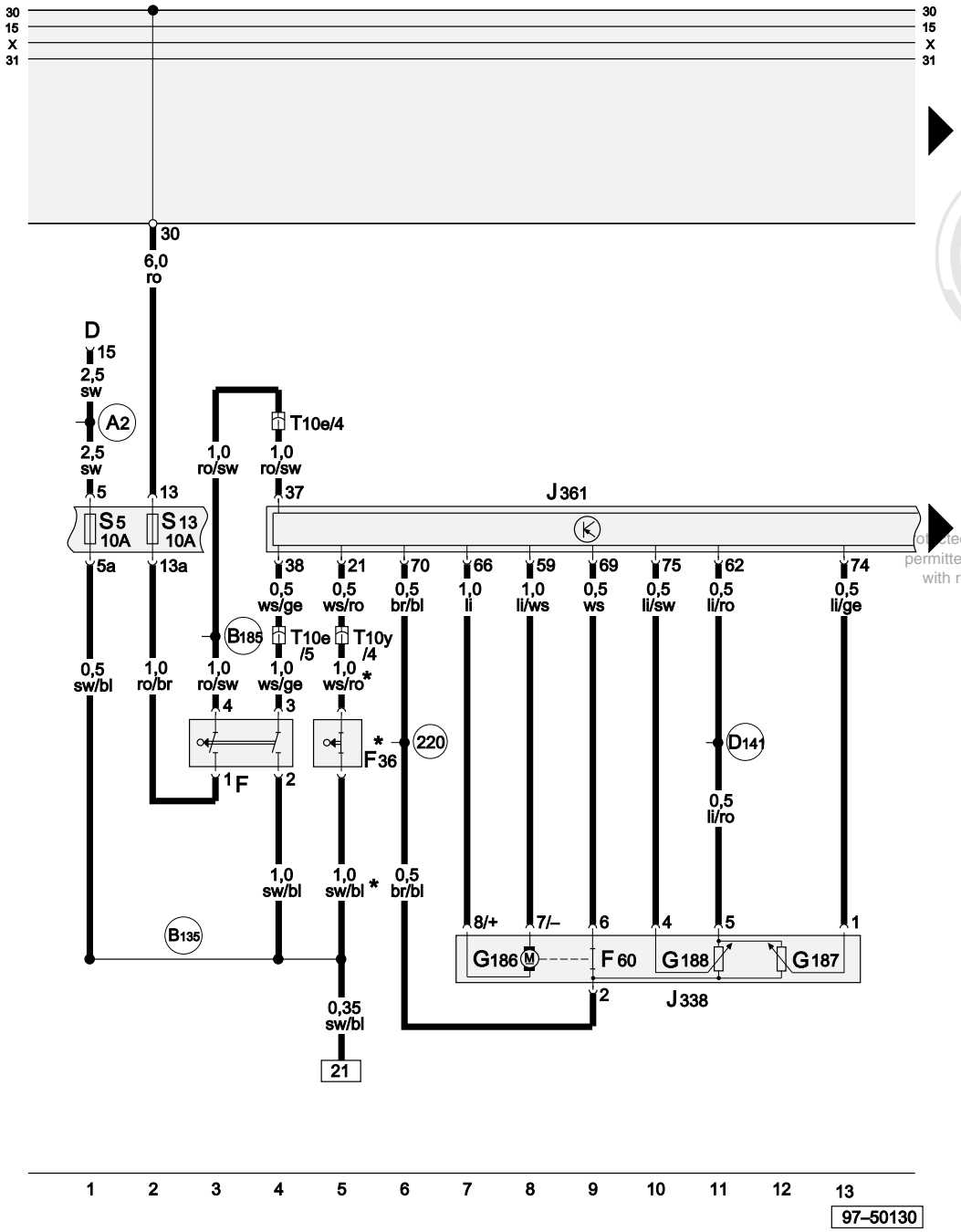


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

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Fuse colours

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

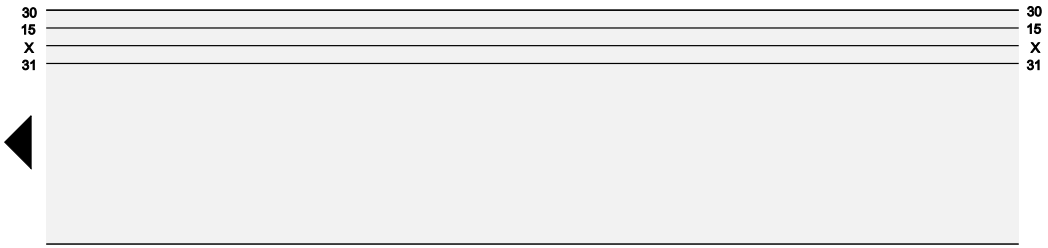


Cruise control system (for 1.6 litre Simos, 4-cylinder)

D	Ignition/starter switch
F	Brake light switch
F36	Clutch pedal switch
F60	Idling switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J338	Throttle valve control unit
J361	Simos control unit
T10e	10-pin connector, black, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with manual gearbox

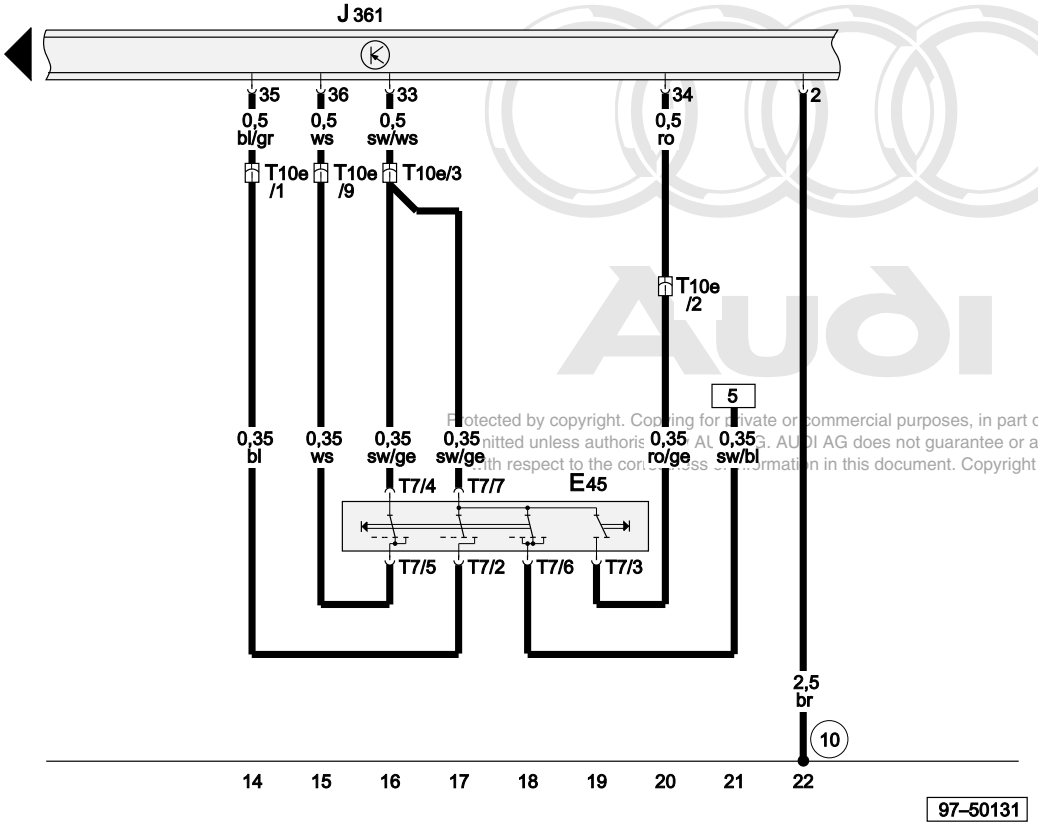
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bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



Cruise control system (for 1.6 litre Simos, 4-cylinder)

E45	Cruise control system switch
J361	Simos control unit
T7	7-pin connector, behind steering column switch trim
T10e	10-pin connector, black, in plenum chamber
10	Earth point, in plenum chamber



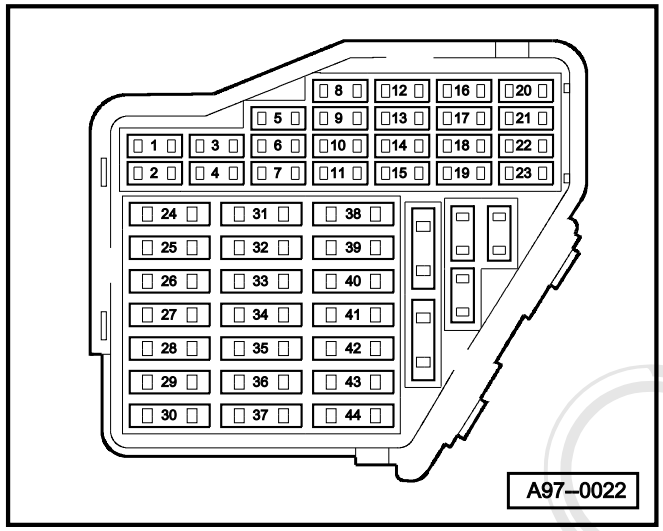
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or	=	orange
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Mobile telephone, with navigation system

From model year 1999

Fuse box:

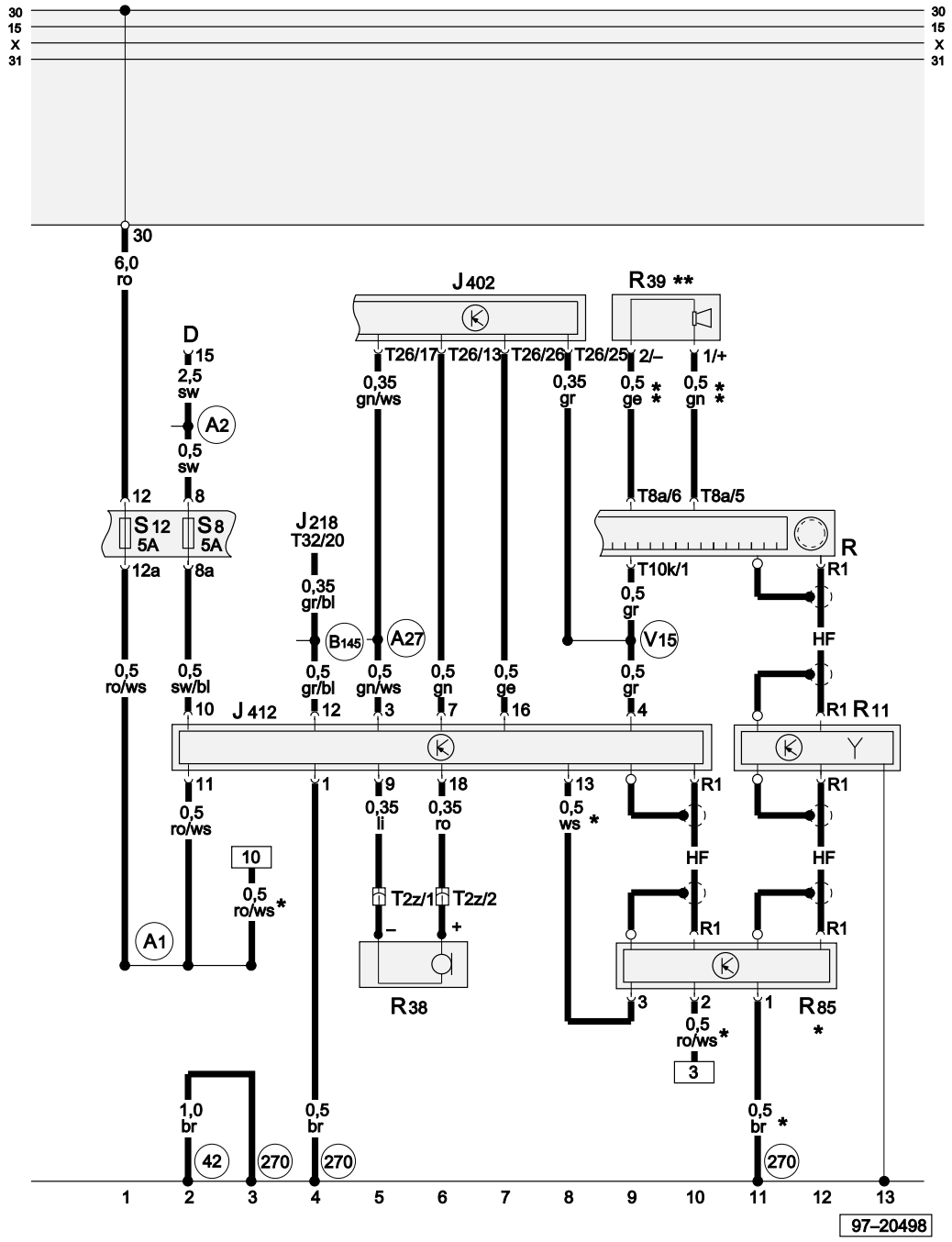


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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Mobile telephone, with navigation system

D	Ignition/starter switch
J218	Combi-processor in dash panel insert
J402	Operating electronics control unit, navigation
J412	Operating electronics control unit, telephone
R	Radio
R1	Aerial connection
R11	Aerial
R38	Telephone microphone
R39	Loudspeaker for telephone
R85	Aerial amplifier, mobile telephone (compensator)
T2z	2-pin connector, at A pillar, left
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T26	26-pin connector, on operating electronics control unit, navigation
T32	32-pin connector, blue, on dash panel insert
42	Earth point, next to steering columm
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
A27	Connection (speed signal), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
V15	Connection, in telephone wiring harness
*	Only models equipped with mobile telephone
**	Only models with radio Bose sound system

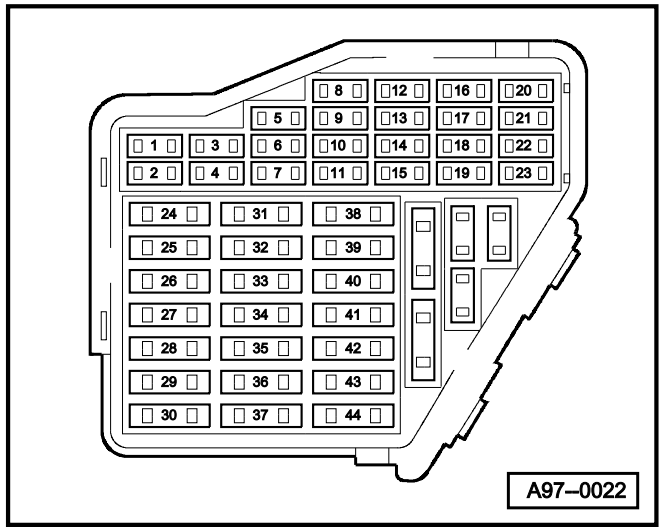
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Mobile telephone, without navigation system

From model year 1999

Fuse box:

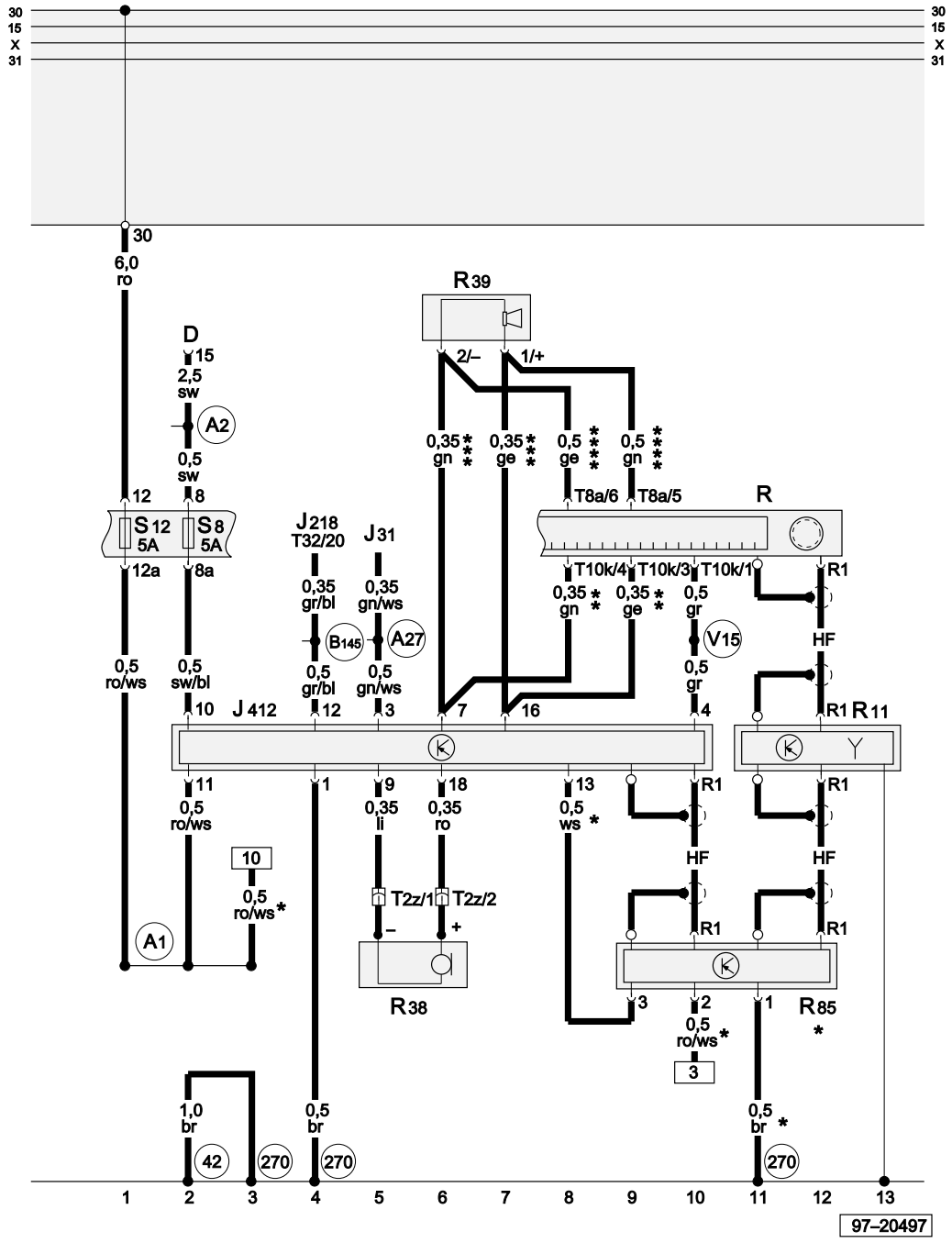


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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



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

Mobile telephone, without navigation system

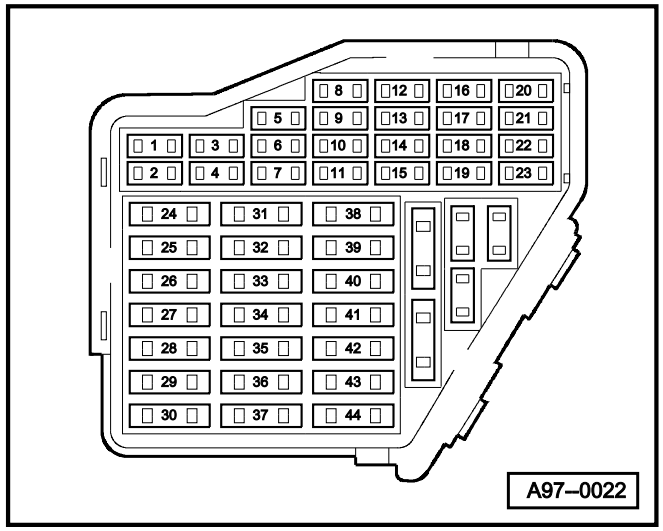
D	Ignition/starter switch
J31	Automatic intermittent wash/wipe relay
J218	Combi-processor in dash panel insert
J412	Operating electronics control unit, telephone
R	Radio
R1	Aerial connection
R11	Aerial
R38	Telephone microphone
R39	Loudspeaker for telephone
R85	Aerial amplifier, mobile telephone (compensator)
T2z	2-pin connector, at A pillar, left
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T32	32-pin connector, blue, on dash panel insert
42	Earth point, next to steering columm
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
A27	Connection (speed signal), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
V15	Connection, in telephone wiring harness
*	Only models equipped with mobile telephone
**	Only models with radio
***	Does not apply to models with radio
****	Only models with radio Bose sound system

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Fog lights

From model year 1999

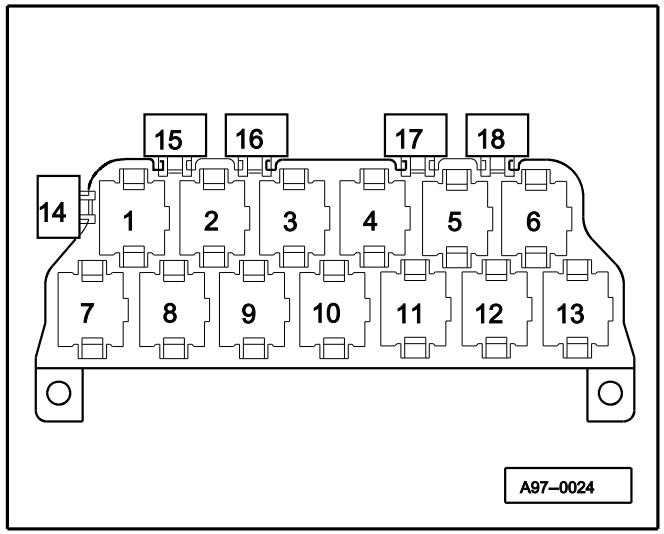
Fuse box:



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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.

13-point relay carrier:



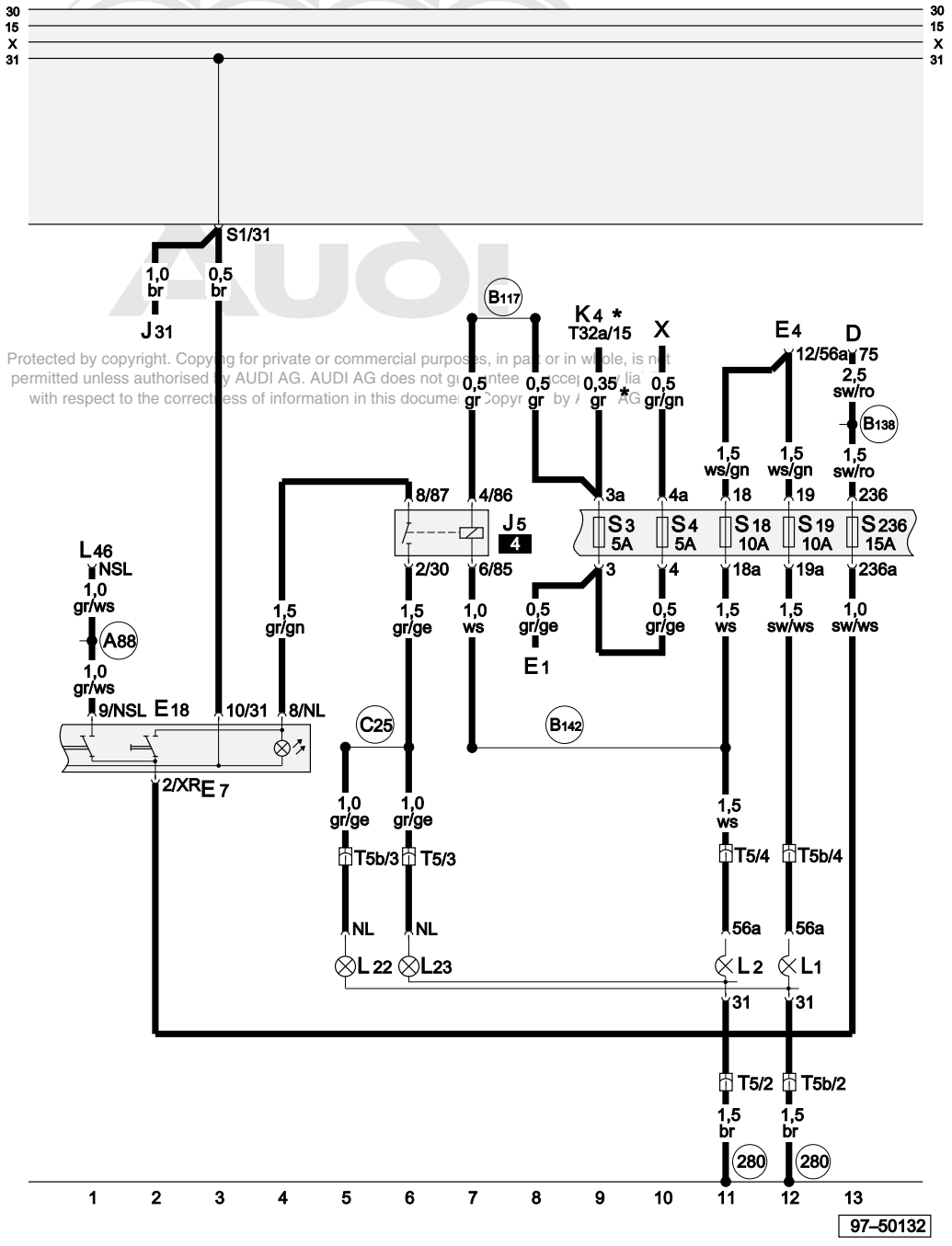
Position of relays:

4 - Fog light relay

Fuse colours

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

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Fog lights (not for 1.8 litre turbo-Motronic 154kW - S3)

D	Ignition/starter switch
E1	Lighting switch
E4	Headlight dipper/flasher switch
E7	Fog light switch
E18	Rear fog light switch
J5	Fog light relay
J31	Automatic intermittent wash/wipe relay
K4	Side light warning lamp
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
L22	Fog light bulb, left
L23	Fog light bulb, right
L46	Rear fog light bulb, left
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
T32a	32-pin connector, green, on dash panel insert
X	Number plate light
280	Earth connection -2-, in engine compartment wiring harness
A88	Connection (RFL), in dash panel wiring harness
B117	Positive (+) connection (58a), in interior wiring harness
B138	Positive (+) connection -1- (x), in interior wiring harness
B142	Positive (+) connection -2- (56a), in interior wiring harness
C25	Connection (fog light), in front lighting wiring harness
*	Applicable up 1999 model year only

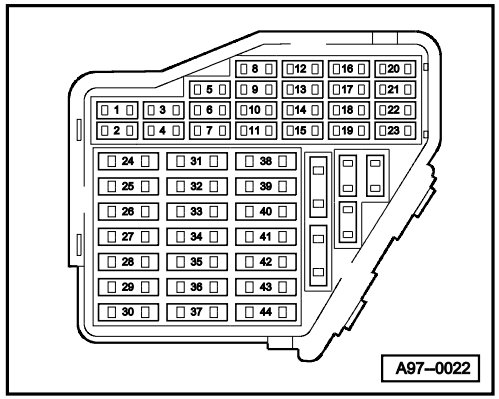
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or	=	orange
rs	=	pink

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Daytime driving lights

From model year 1999

Fuse box:

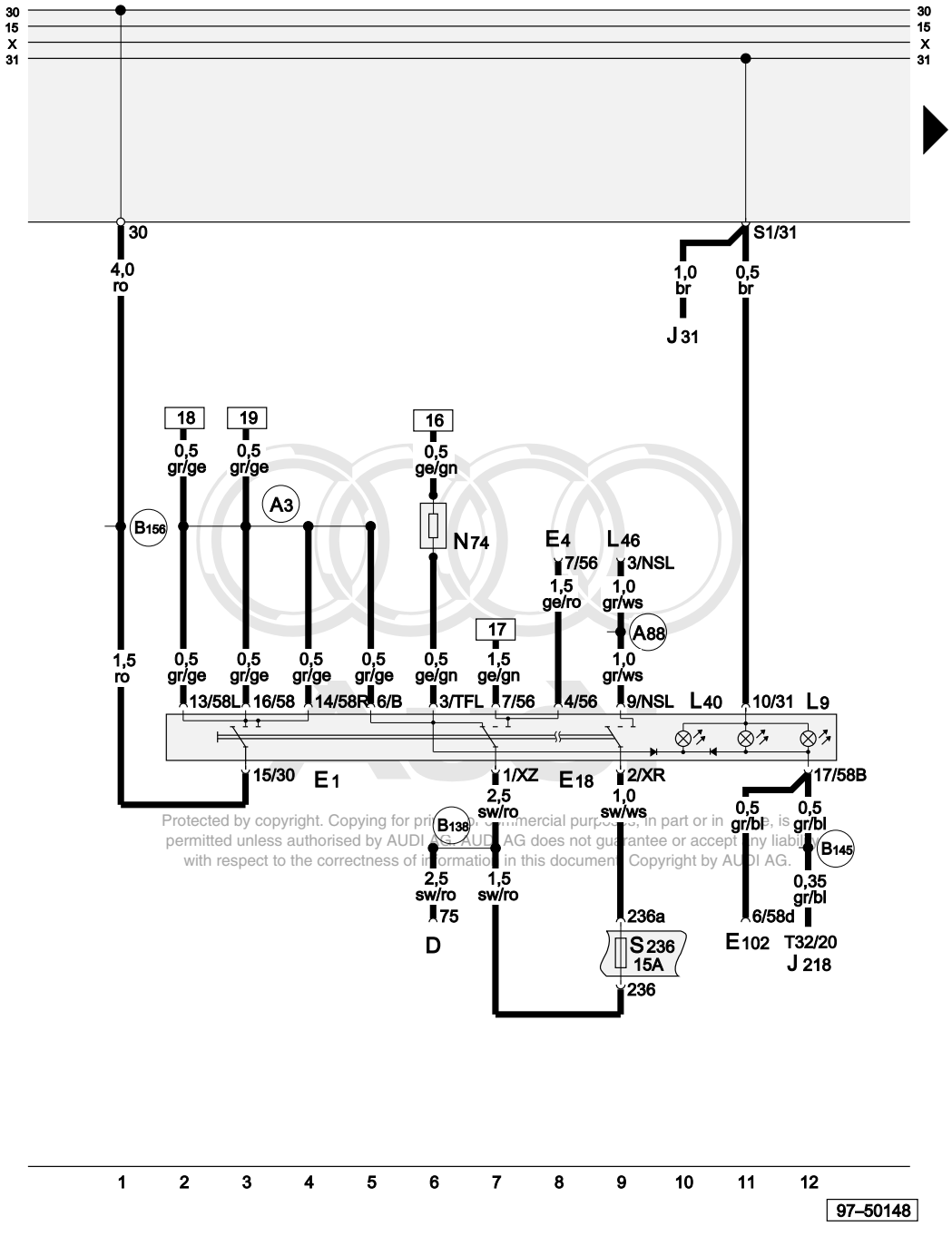


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
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5A - beige

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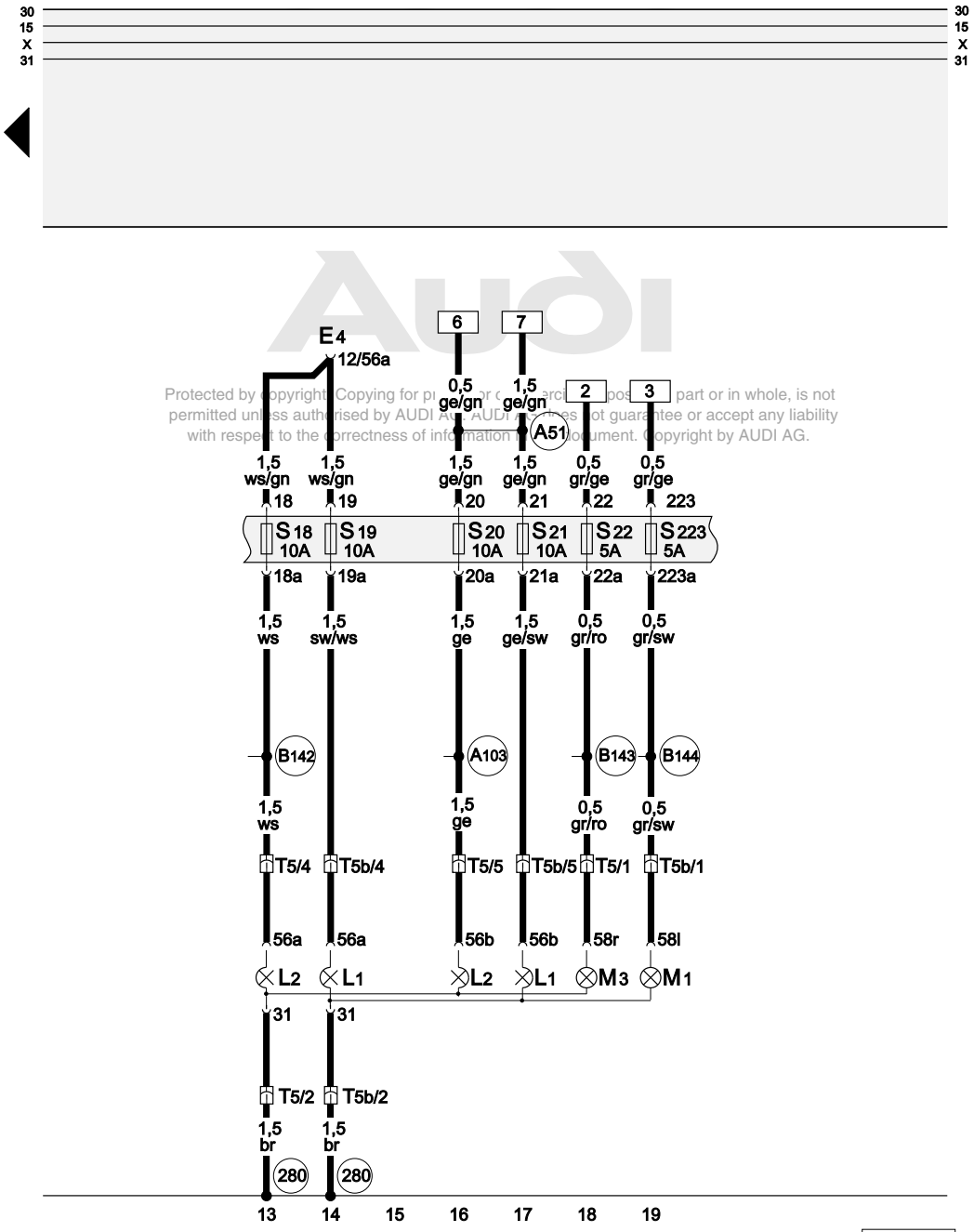


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Daytime driving lights

D	Ignition/starter switch
E1	Lighting switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
E102	Headlight range control adjuster
J31	Automatic intermittent wash/wipe relay
J218	Combi-processor in dash panel insert
L9	Lighting switch light bulb
L40	Front and rear fog light switch bulb
L46	Rear fog light bulb, left
N74	Resistance wire
T32	32-pin connector, blue, on dash panel insert
A3	Positive (+) connection (58), in dash panel wiring harness
A88	Connection (RFL), in dash panel wiring harness
B138	Positive (+) connection (X), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B156	Positive (+) connection -4- (30), 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



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

Daytime driving lights

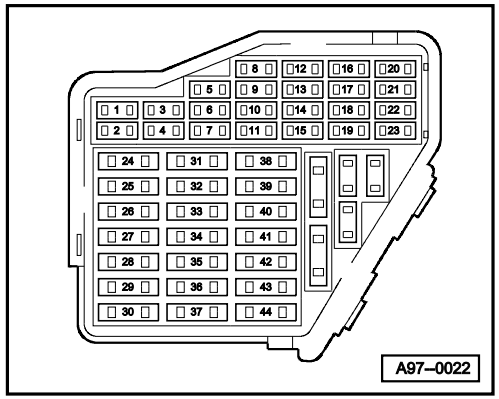
E4	Headlight dipper/flasher switch
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M1	Side light bulb, left
M3	Side light bulb, right
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
280	Earth connection -2-, in engine compartment wiring harness
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

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Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

From model year 1999

Fuse box:

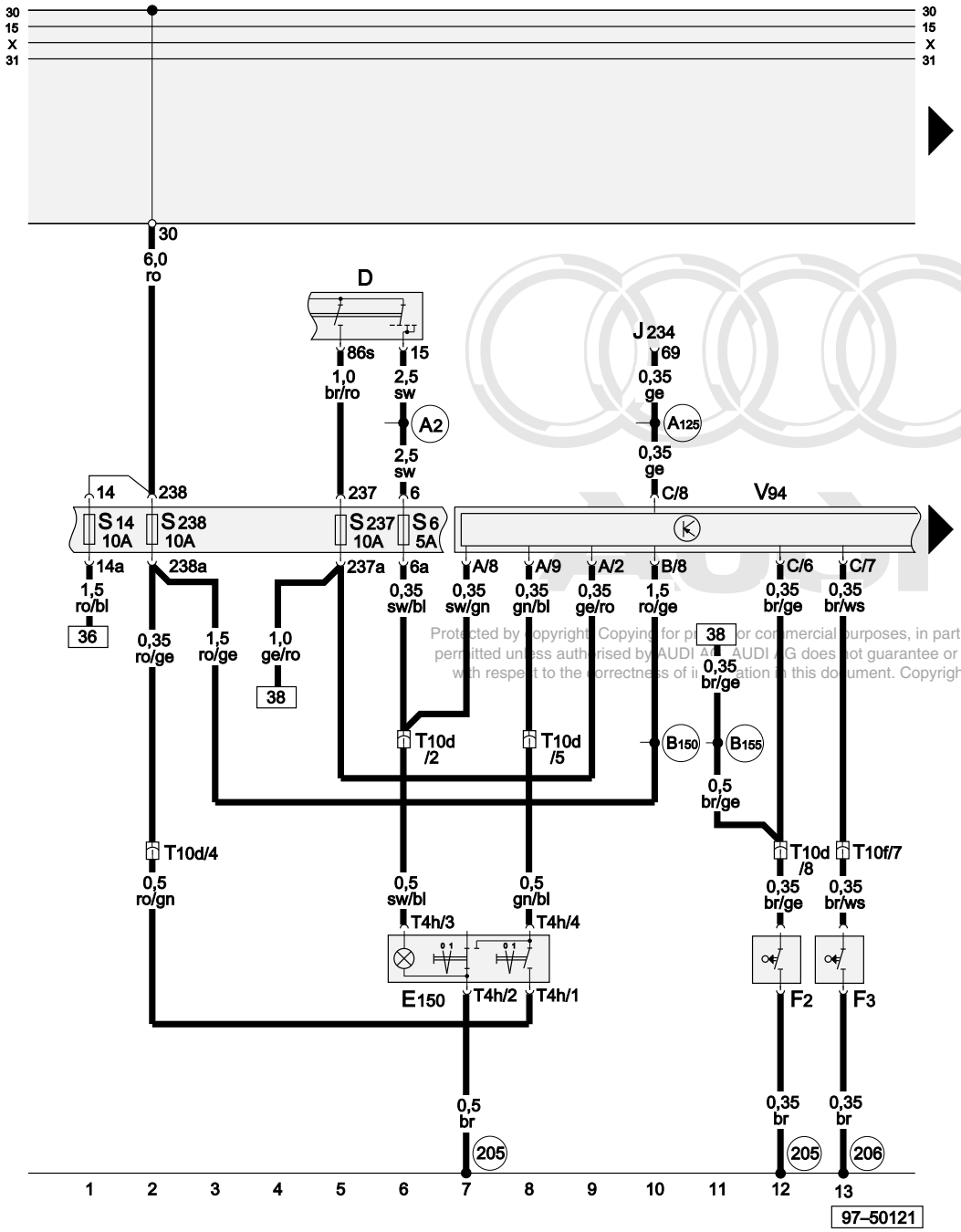


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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red

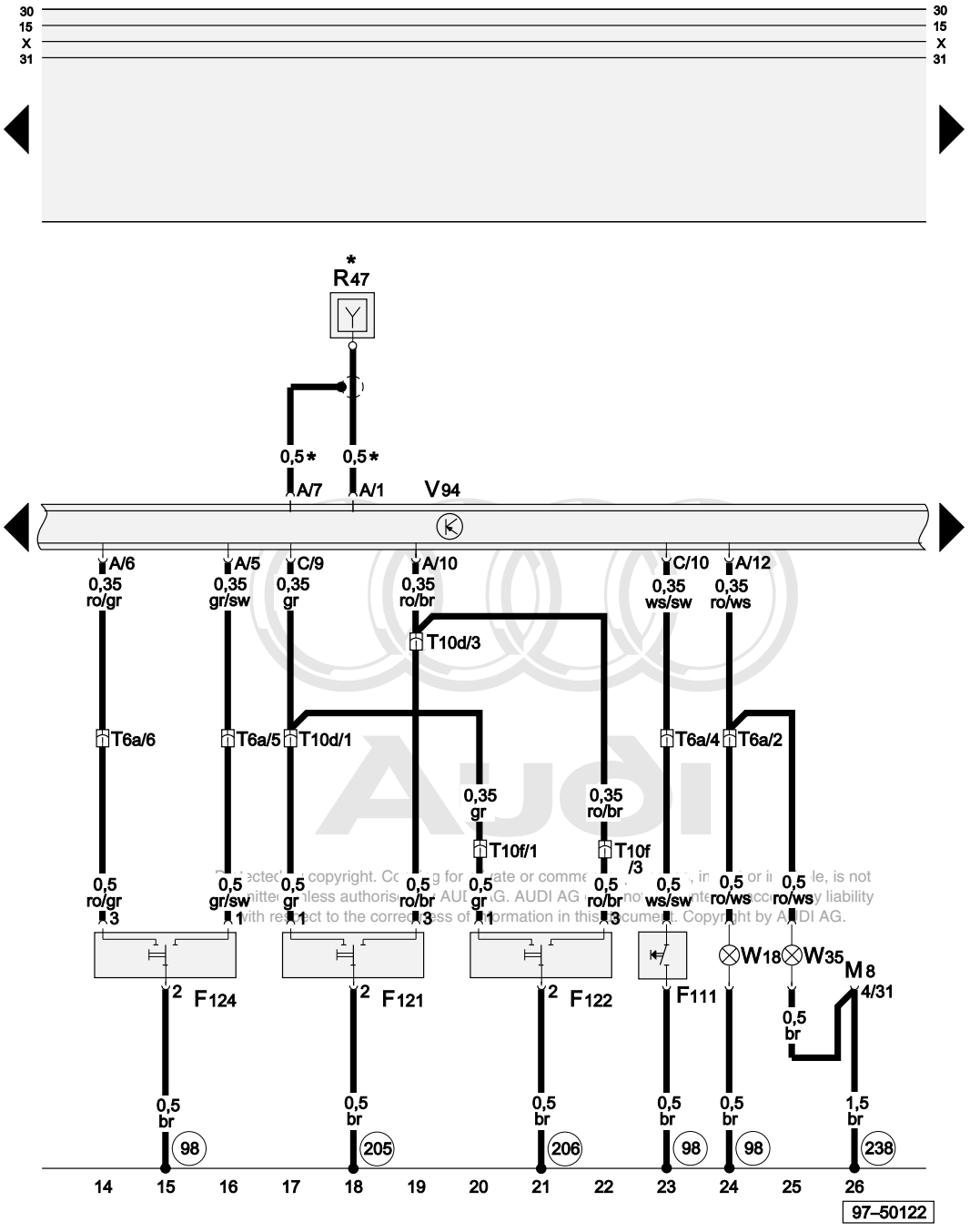


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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

D	Ignition/starter switch
E150	Interior locking switch, driver's side
F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
J234	Airbag control unit
T4h	4-pin connector, black, 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
A2	Positive (+) connection (15), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
B155	Positive (+) connection -2- (DC), in interior wiring harness

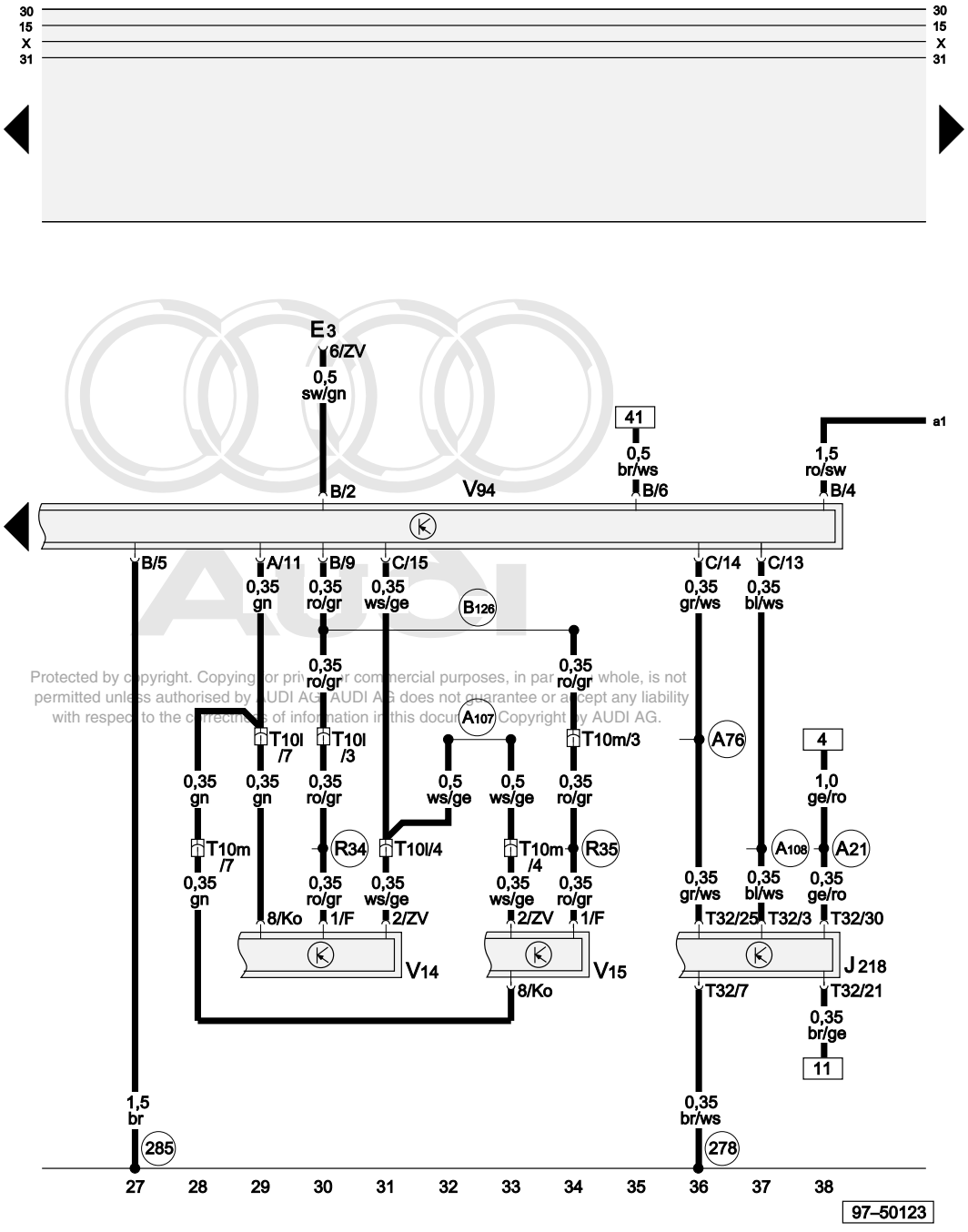


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gr = grey
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rs = pink

Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

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
M8	Turn signal bulb, rear right
R47	Central locking and anti-theft alarm system aerial
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
238	Earth connection -1-, in interior wiring harness
*	Only models with radio-operated remote control

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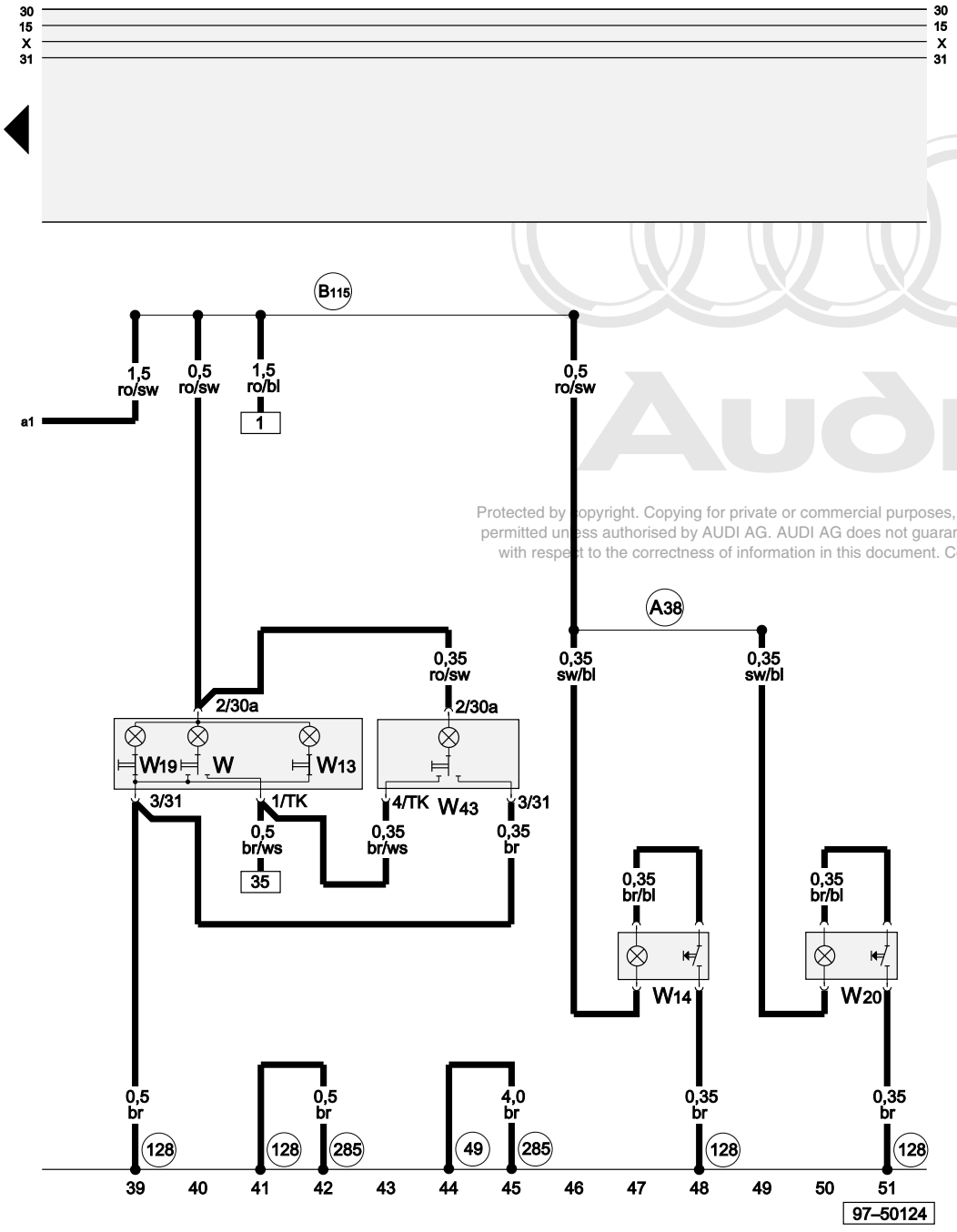


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Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

E3	Hazard warning light switch
J218	Combi-processor in dash panel insert
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, right
T32	32-pin connector, blue, on dash panel insert
V14	Electric window motor, left
V15	Electric window motor, right
V94	Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
278	Earth connection -4-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A21	Connection (86s), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B126	Positive (+) connection (87, electric windows control unit), in electric window wiring harness
R34	Connection (87), in door wiring harness, driver's side
R35	Connection (87), in door wiring harness, front passenger's side



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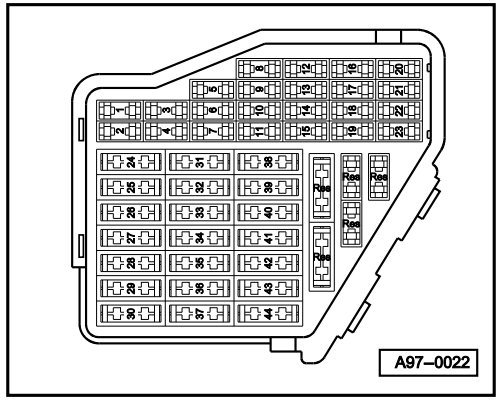
Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

W	Interior light, front
W13	Front passenger reading lamp
W14	Illuminated make-up mirror, front passenger's side
W19	Reading light, driver's side
W20	Illuminated make-up mirror, front driver's side
W43	Rear interior light
49	Earth point, next to steering columm, left
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

Air conditioner with automatic control

From model year 1999

Fuse box:

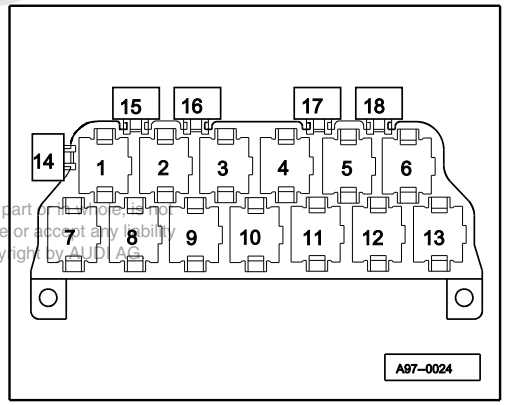


Fuse colours

30 A – green
25 A – white
20 A – yellow
15 A – blue
10 A – red
5A – beige

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

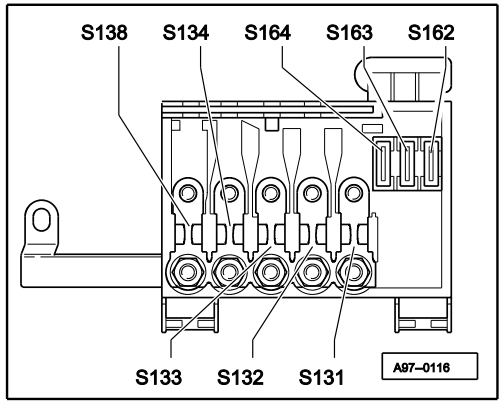
13-point relay carrier:



Position of relays:

13 - Radiator fan run-on relay

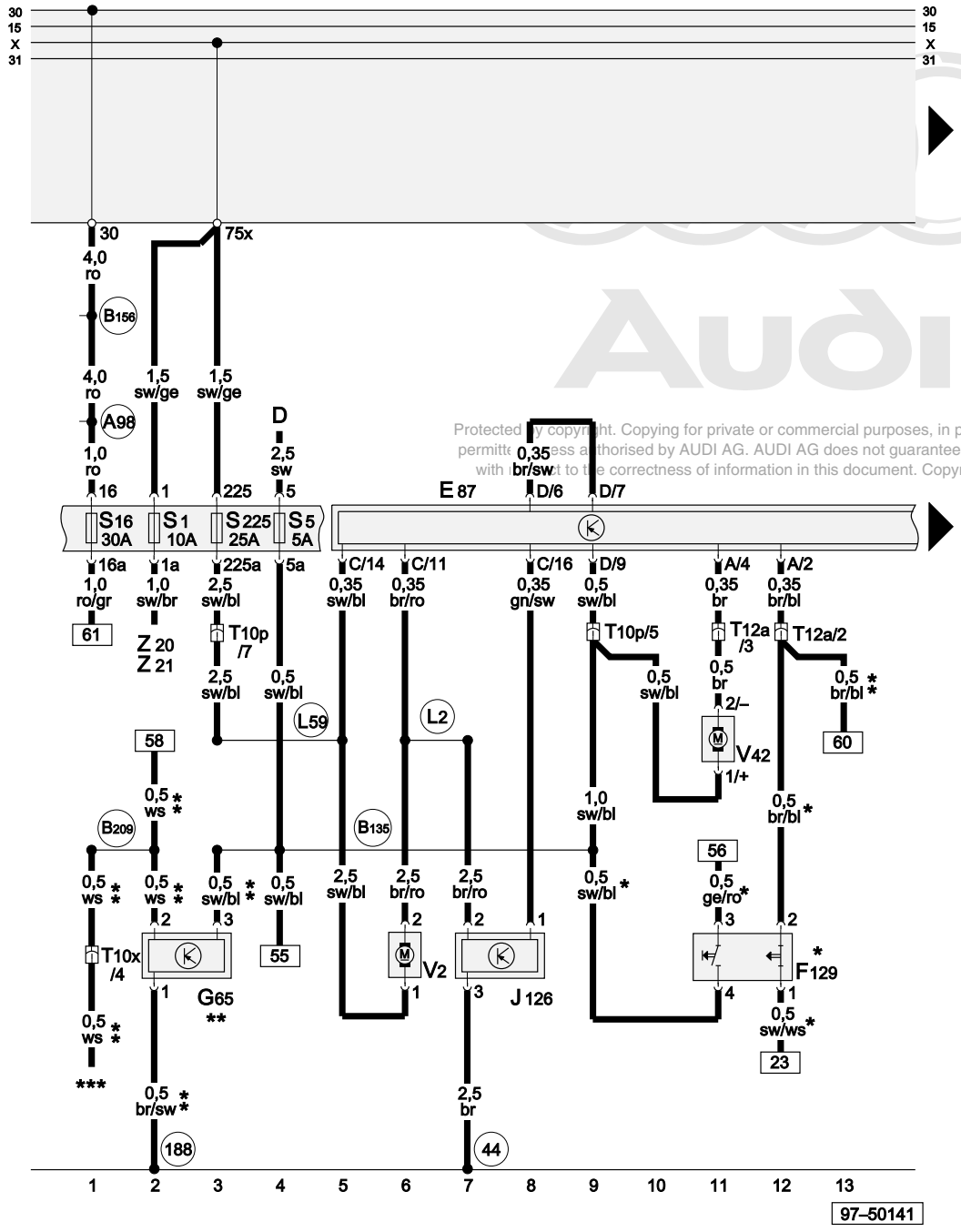
Main fuse box/battery:



Position of fuses:

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

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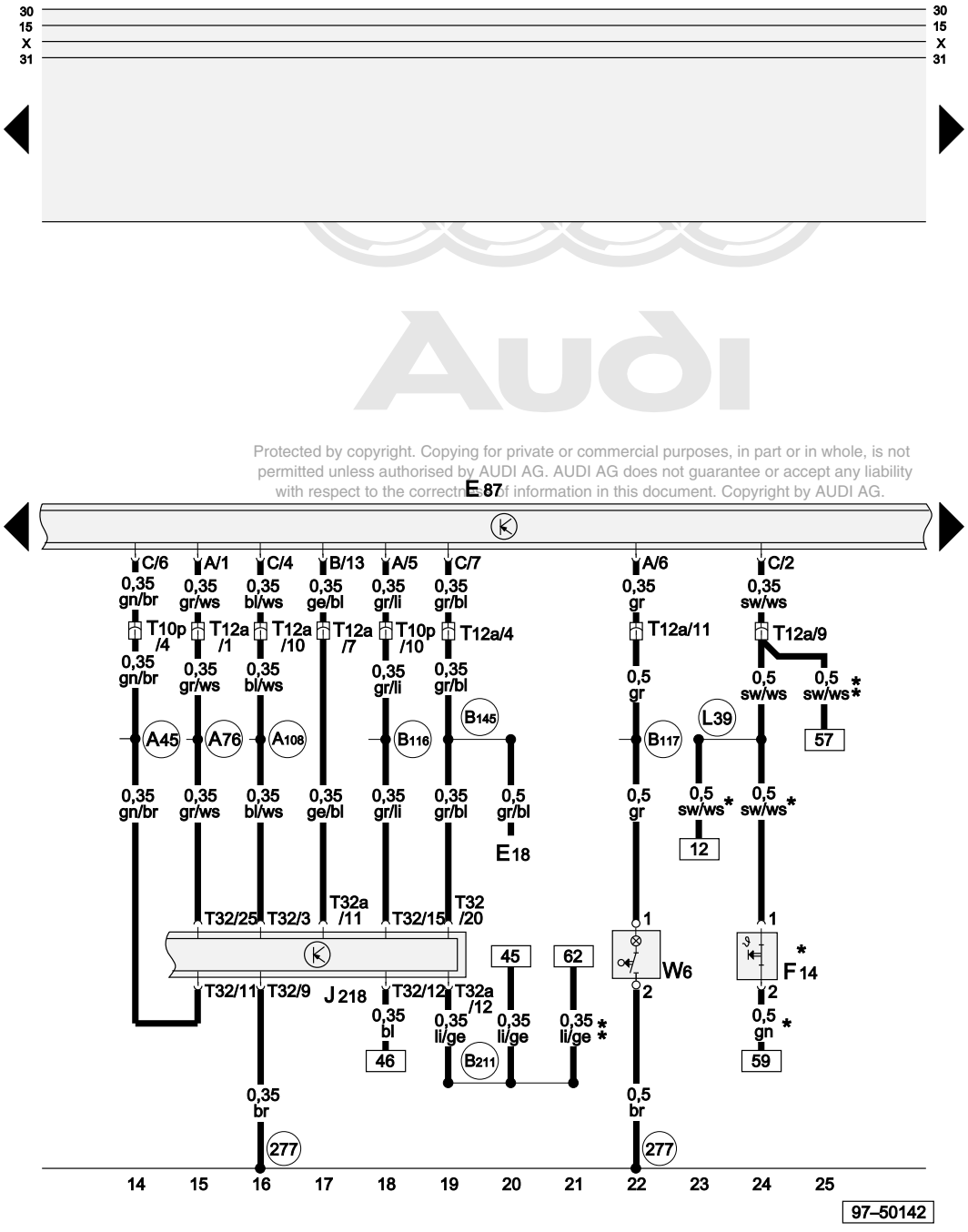


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Air conditioner with automatic control

D	Ignition/starter switch
E87	Control and display unit for air conditioner
F129	Air conditioner pressure switch
G65	High pressure sender
J126	Fresh air blower control unit
T10p	10-pin connector, behind dash panel, right
T10x	10-pin connector, orange, in plenum chamber
T12a	12-pin connector, behind dash panel, right
V2	Fresh air blower
V42	Temperature sensor blower
Z20	Heater element, left washer jet
Z21	Heater element, right washer jet
44	Earth point, lower part of left A-pillar
188	Earth connection -3-, in air conditioner wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B135	Connection (15a), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
B209	Connection (Climatronic sender), in interior wiring harness
L2	Connection, in air conditioner wiring harness
L59	Positive (+) connection (30), in heater unit wiring harness
*	Does not apply to engine codes AQA, AJQ, AEH, AKL
**	Only applies to engine codes AQA, AJQ, AEH, AKL
***	See applicable engine version

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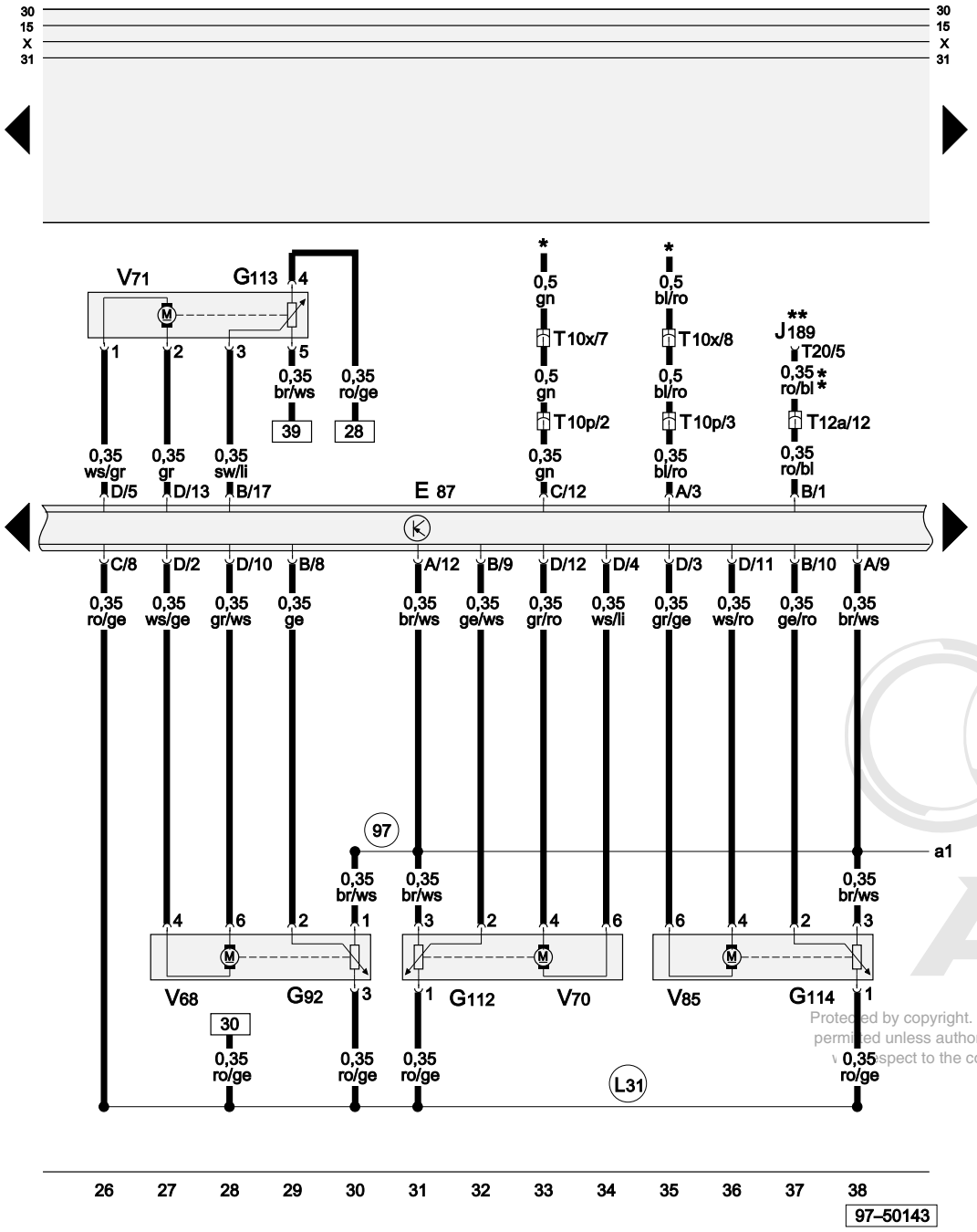


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Air conditioner with automatic control

E18	Rear fog light switch
E87	Control and display unit for air conditioner
F14	Coolant temperature warning switch (overheating)
J218	Combi-processor in dash panel insert
T10p	10-pin connector, behind dash panel, right
T12a	12-pin connector, behind dash panel, right
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
W6	Glove box light
277	Earth connection -3-, in interior wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (engine speed signal), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
B117	Connection (58a, right), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B211	Positive (+) connection -1- (Climatronic rear), in interior wiring harness
L39	Connection (air conditioner pressure switch) -1-, in Climatronic wiring harness
*	Does not apply to engine codes AQA, AJQ, AEH, AKL
**	Only applies to engine codes AQA, AJQ, AEH, AKL

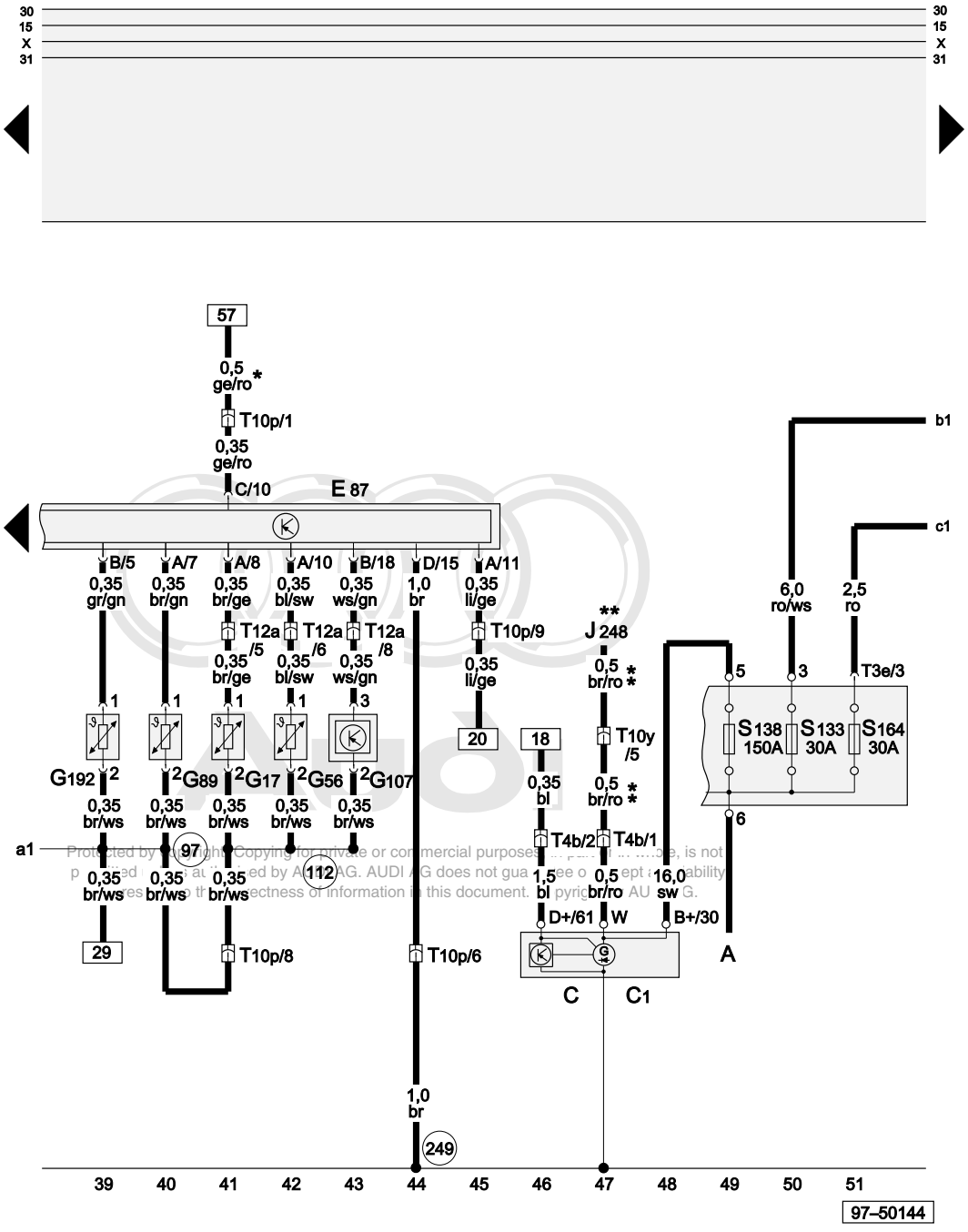


Air conditioner with automatic control

E87	Control and display unit for air conditioner
G92	Control motor potentiometer, temperature flap
G112	Control motor potentiometer, central flap
G113	Control motor potentiometer, air flow flap
G114	Control motor potentiometer, footwell/defroster flap
J189	Auto-check system
T10p	10-pin connector, behind dash panel, right
T10x	10-pin connector, orange, in plenum chamber
T12a	12-pin connector, behind dash panel, right
T20	20-pin connector, black, on dash panel insert
V68	Temperature flap control motor
V70	Central flap control motor
V71	Air flow 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
*	See applicable engine version
**	Only models with driver information system

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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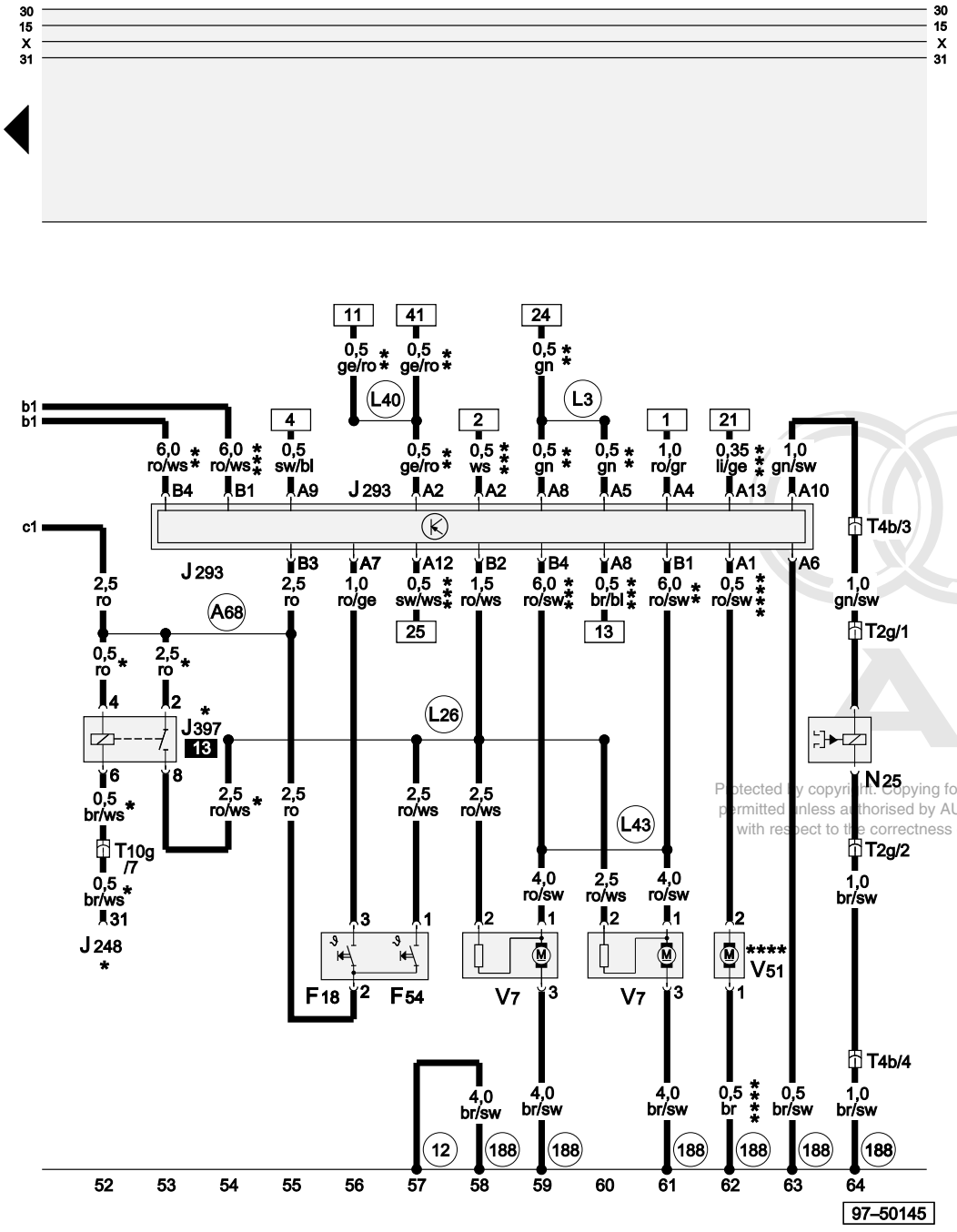


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Air conditioner with automatic control

A	Battery
C	Alternator
C1	Voltage regulator
E87	Control and display unit for air conditioner
G17	Ambient temperature sensor
G56	Dash panel temperature sensor
G89	Fresh air intake duct temperature sensor
G107	Sunlight penetration photosensor
G192	Vent temperature sender, footwell
J248	Diesel direct injection system control unit
S133	Fuse 3
S138	Fuse 5
S164	Fuse -3- (30), in fuse box/battery
T3e	3-pin connector, black, on main fuse box/battery
T4b	4-pin connector, in engine compartment, left
T10p	10-pin connector, behind dash panel, right
T10y	10-pin connector, green, in plenum chamber
T12a	12-pin connector, behind dash panel, right
97	Earth connection -1-, in air conditioner wiring harness
112	Earth connection -2-, in air conditioner wiring harness
249	Earth connection -2-, in interior wiring harness
*	Does not apply to engine codes AQA, AJQ, AEH, AKL
**	Applies to engine codes AGR, ALH and AHF only

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

Air conditioner with automatic control

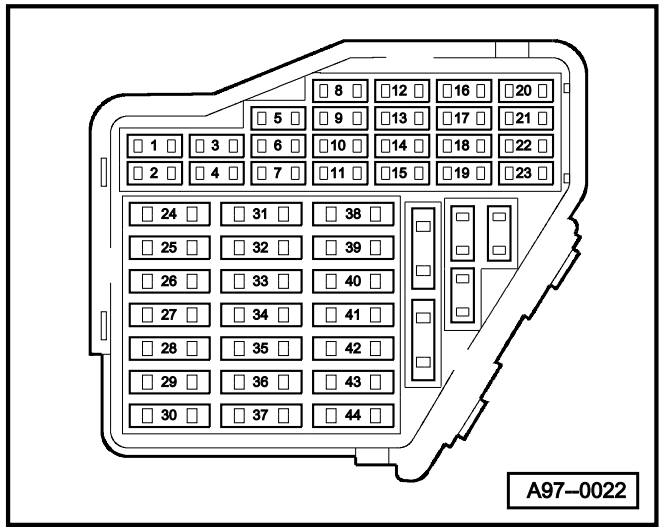
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J397	Radiator fan run-on relay
N25	Air conditioning system magnetic coupling
T2g	2-pin connector, near compressor
T4b	4-pin connector, in engine compartment, left
T10g	10-pin connector, blue, in plenum chamber
V7	Radiator fan
V51	Continued circulation of coolant pump
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
L3	Connection (temperature switch), in air conditioner wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
L40	Connection (air conditioner pressure switch) -2-, in Climatronic wiring harness
L43	Connection (radiator fan), in air conditioner/radiator fan wiring harness
*	Applies to engine codes AHF, AGR, ALH only
**	Does not apply to engine codes AQA, AJQ, AEH, AKL
***	Applies to engine codes AQA, AJQ, AEH, AKL only
****	Only to engine code APY

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Cruise control system (for 1.8 litre Motronic, 4-cylinder)

From model year 1999

Fuse box:

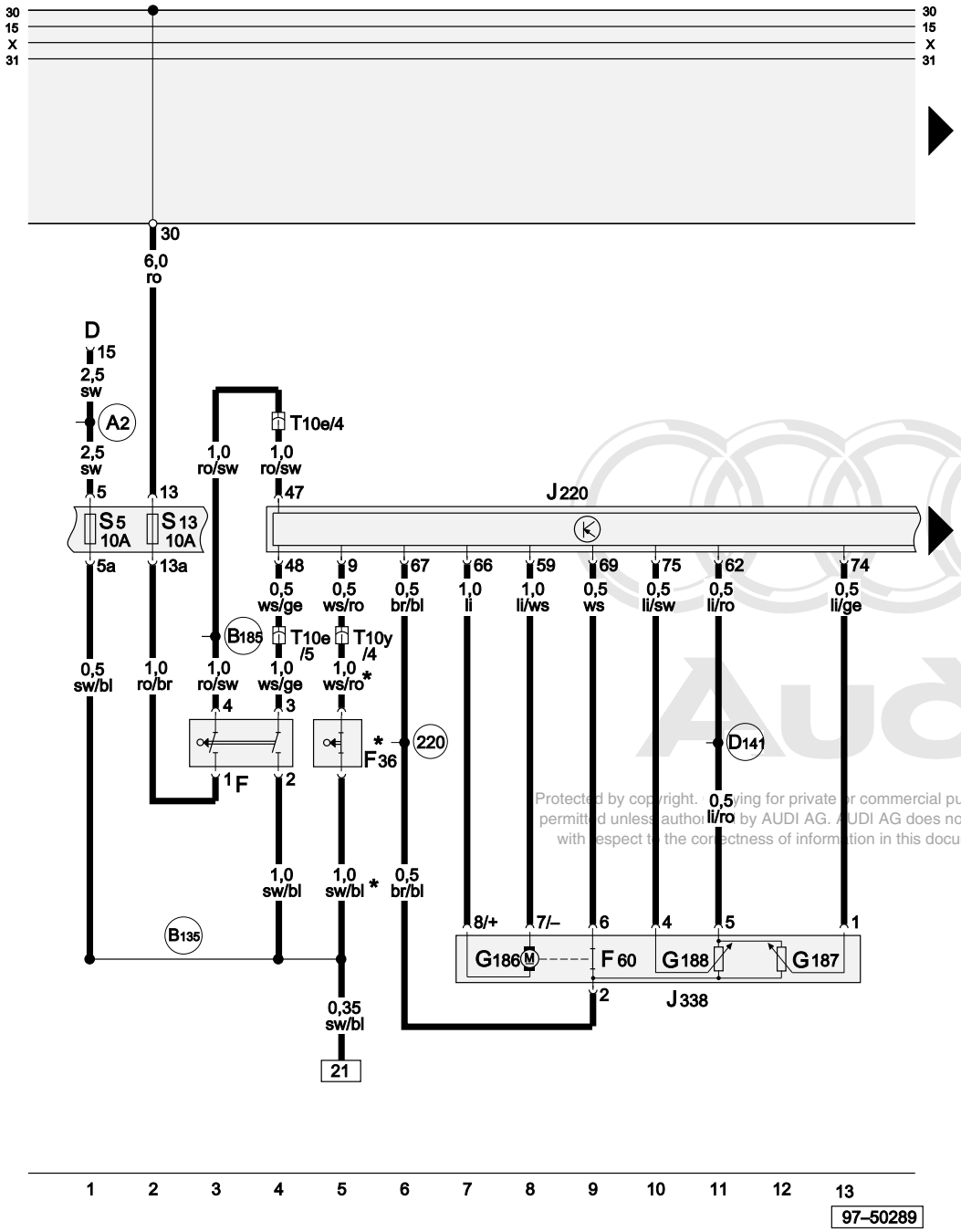


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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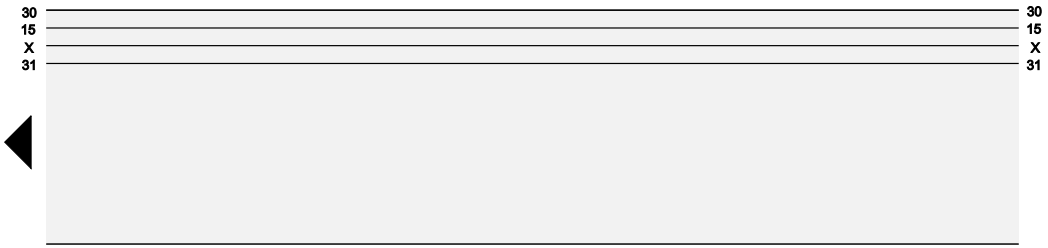


Cruise control system (for 1.8 litre Motronic, 4-cylinder)

D	Ignition/starter switch
F	Brake light switch
F36	Clutch pedal switch
F60	Idling switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J220	Motronic control unit
J338	Throttle valve control unit
T10e	10-pin connector, black, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with manual gearbox

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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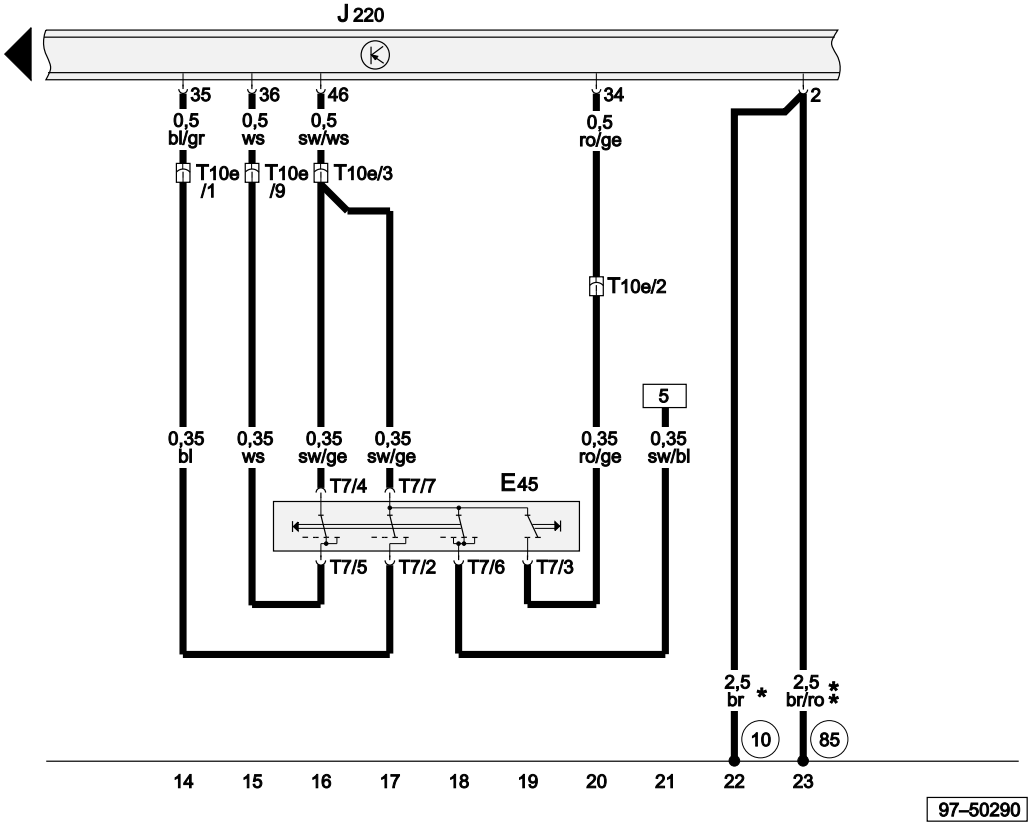
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Cruise control system (for 1.8 litre Motronic, 4-cylinder)

E45	Cruise control system switch
J220	Motronic control unit
T7	7-pin connector, behind steering column switch trim
T10e	10-pin connector, black, in plenum chamber
(10)	Earth point, in plenum chamber
(85)	Earth connection -1-, in engine compartment wiring harness
*	Applies to engine code AGN only
**	Applies to engine code AGU only

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Audi A3 (1,8 l litre fuel injection engine, 110 kW, Motronic, 4-cylinder) engine codes AQA

From model year 1999

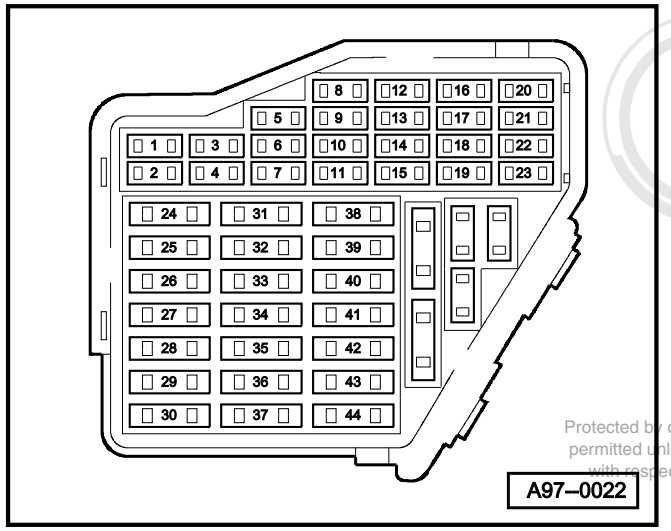
Audi A3 (1,8 l litre fuel injection engine, 132 kW, Motronic, 4-cylinder) engine codes AJQ

From model year 1999

Audi A3 (1,8 l litre fuel injection engine, 154 kW, Motronic (S3), 4-cylinder) engine codes APY

From model year 1999

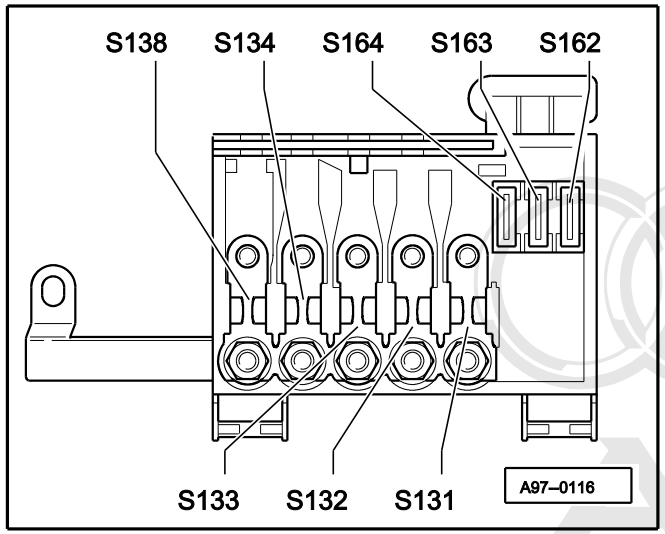
Fuse box:



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Main fuse box/battery:



Position of fuses:

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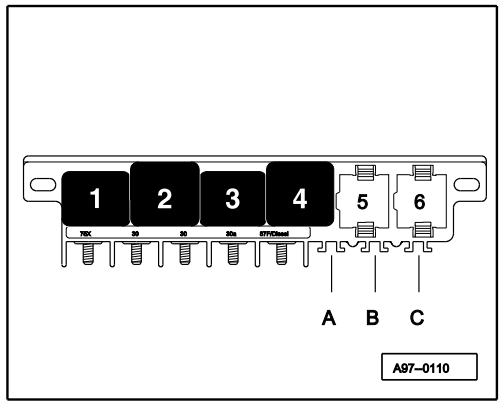
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - 1 in fuse box/battery
S163 - 2 in fuse box/battery
S164 - 3 in fuse box/battery
S133 - S132

S131

Fuse colours

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

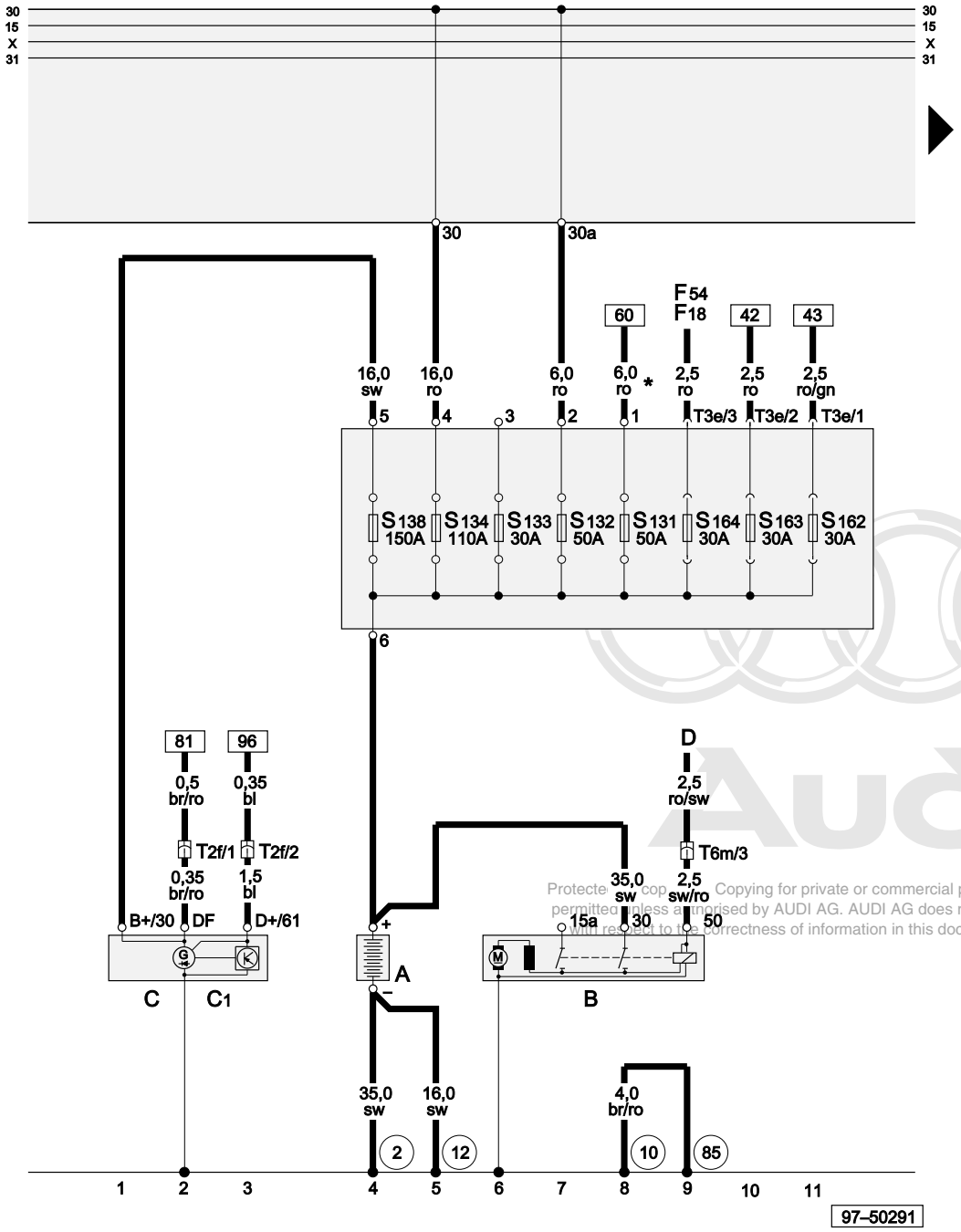
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

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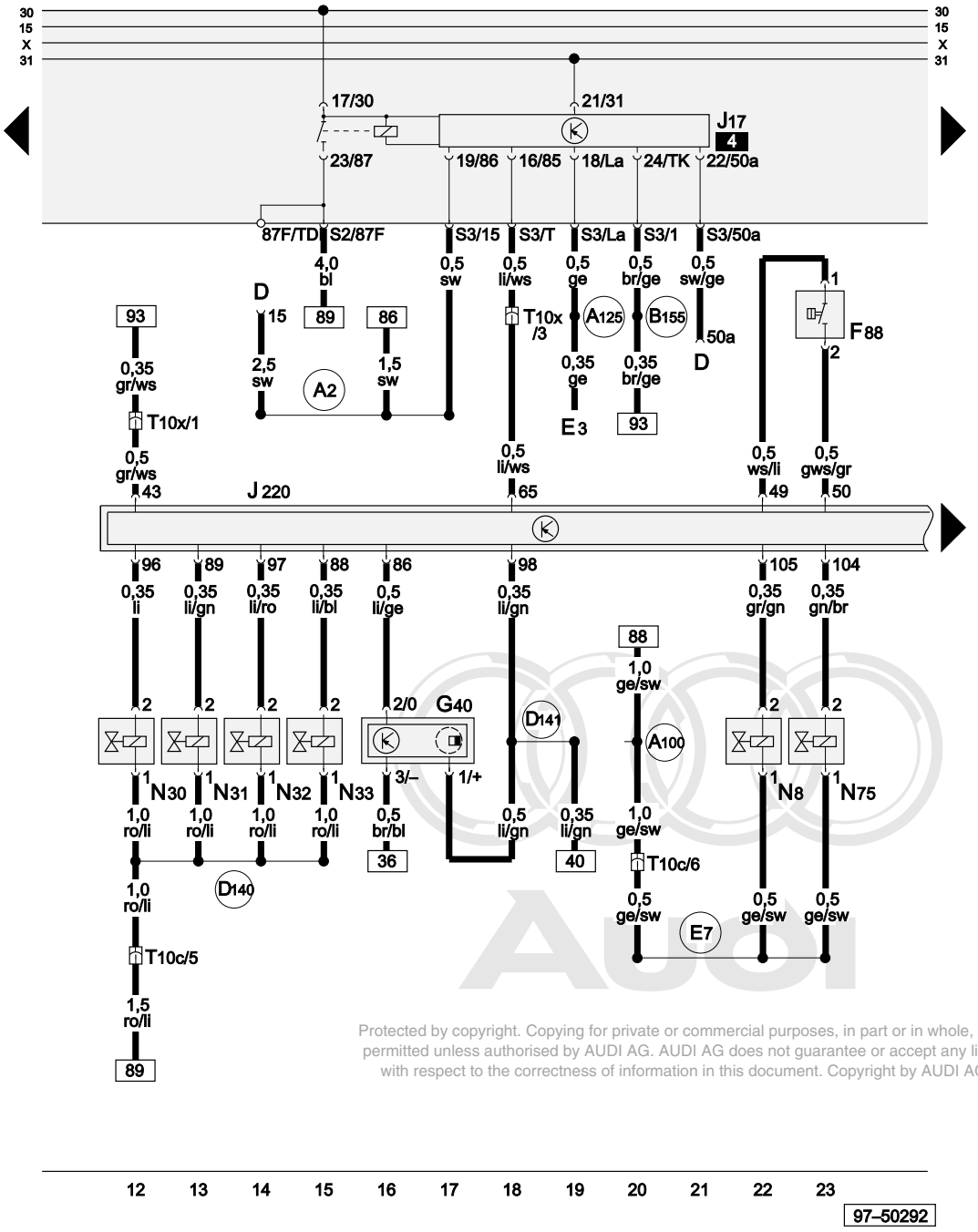


Battery, starter, alternator, main fuse box/battery

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
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
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 to engine codes APY

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gn	=	green
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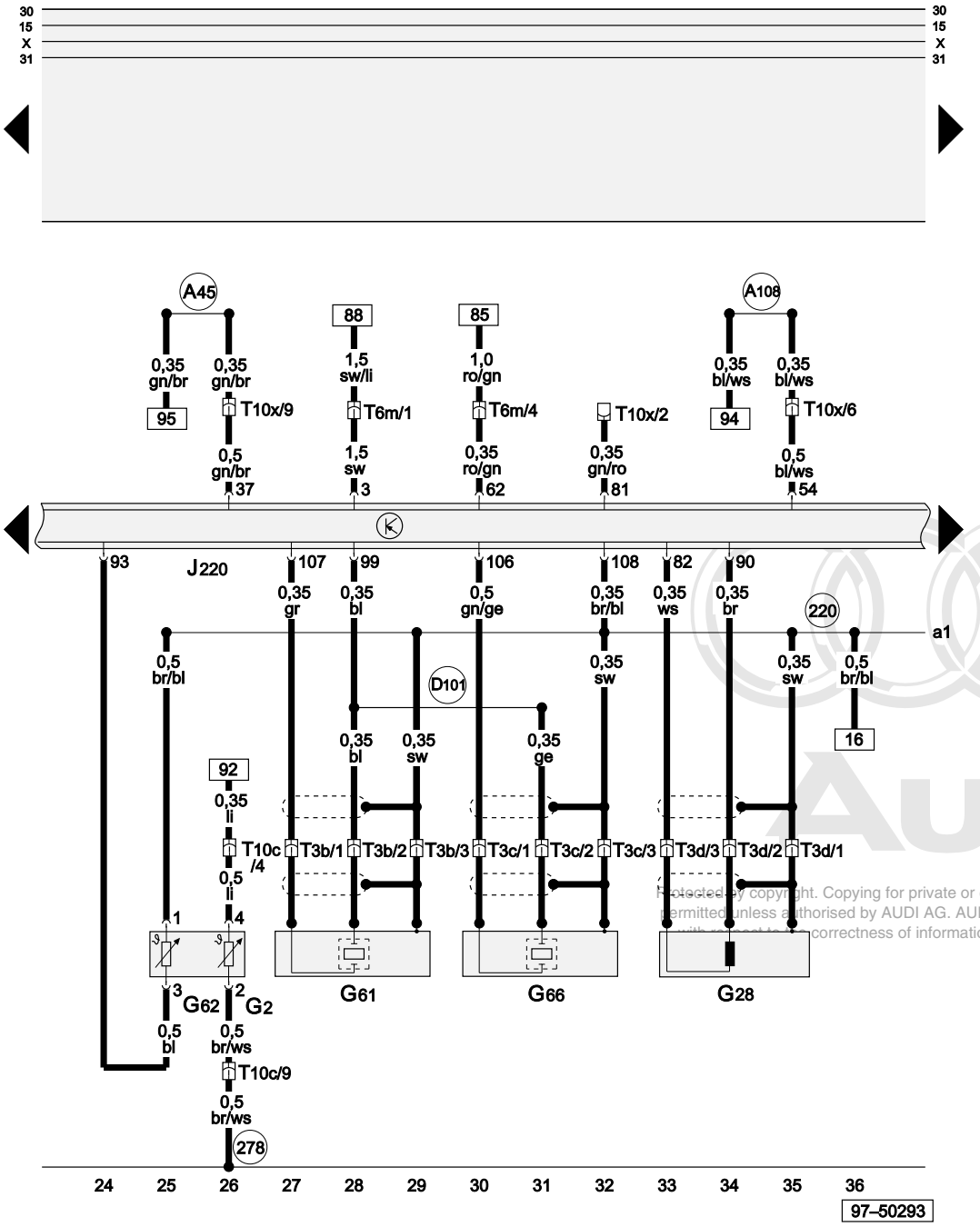


Motronic control unit, fuel pump relay, injectors, Hall sender, charge pressure control solenoid valve, by-pass cut-off valve

D	Ignition/starter switch
E3	Hazard warning light switch
F88	Power assisted steering pressure switch
G40	Hall sender
J17	Fuel pump relay
J220	Motronic control unit
N8	By-pass cut-off valve (central idling)
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N75	Charge pressure control solenoid valve
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
A2	Positive (+) connection (15), 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
D141	Connection (5V), in engine prewiring wiring harness
E7	Positive (+) connection (87a), in Motronic wiring harness

ws	=	white
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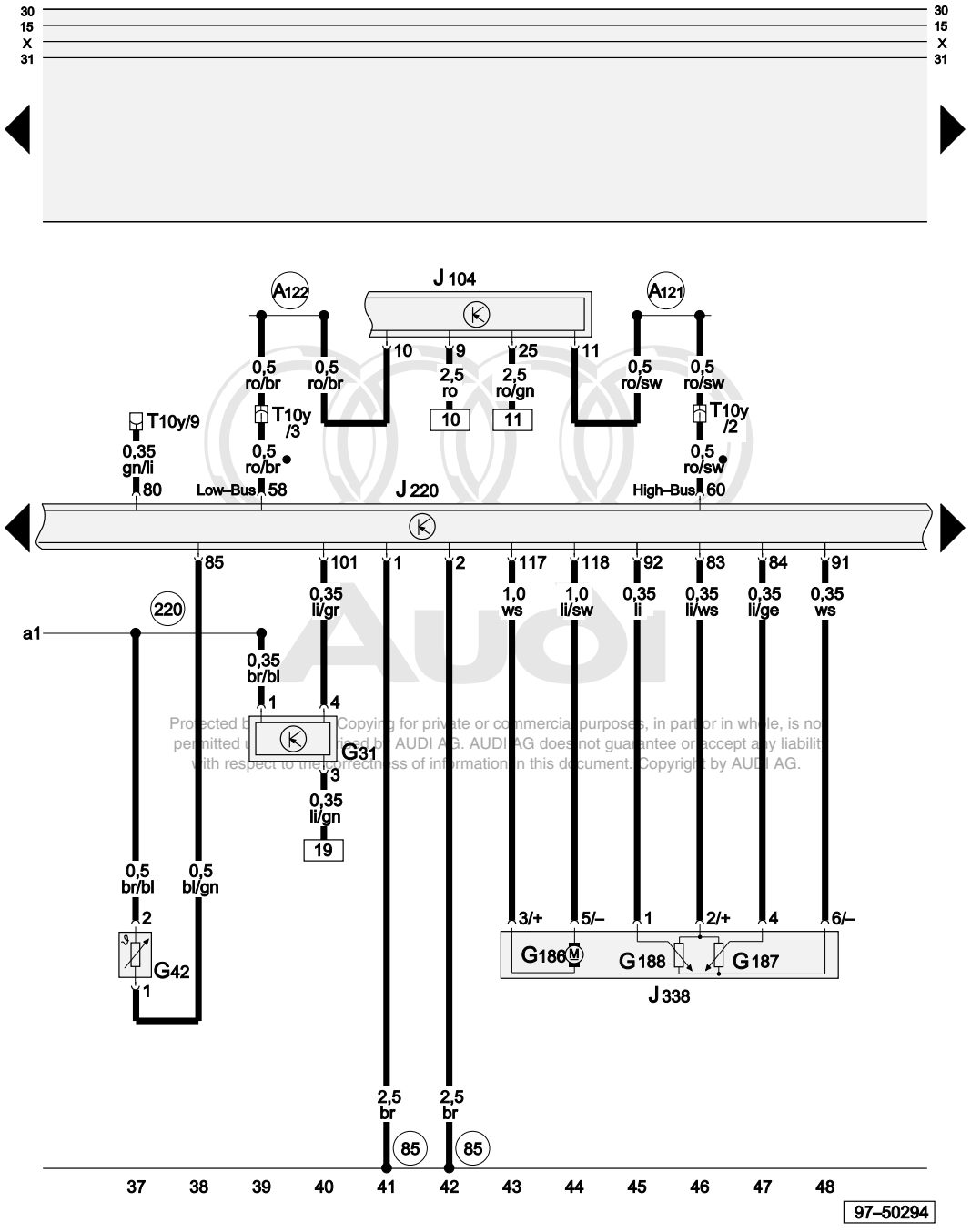


Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J220	Motronic control unit
T3b	3-pin connector, black, in engine compartment
T3c	3-pin connector, brown, in engine compartment
T3d	3-pin connector, grey, in engine compartment
T6m	6-pin connector, brown, in plenum chamber
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
278	Earth connection -4-, in interior 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

ws	=	white
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li	=	purple
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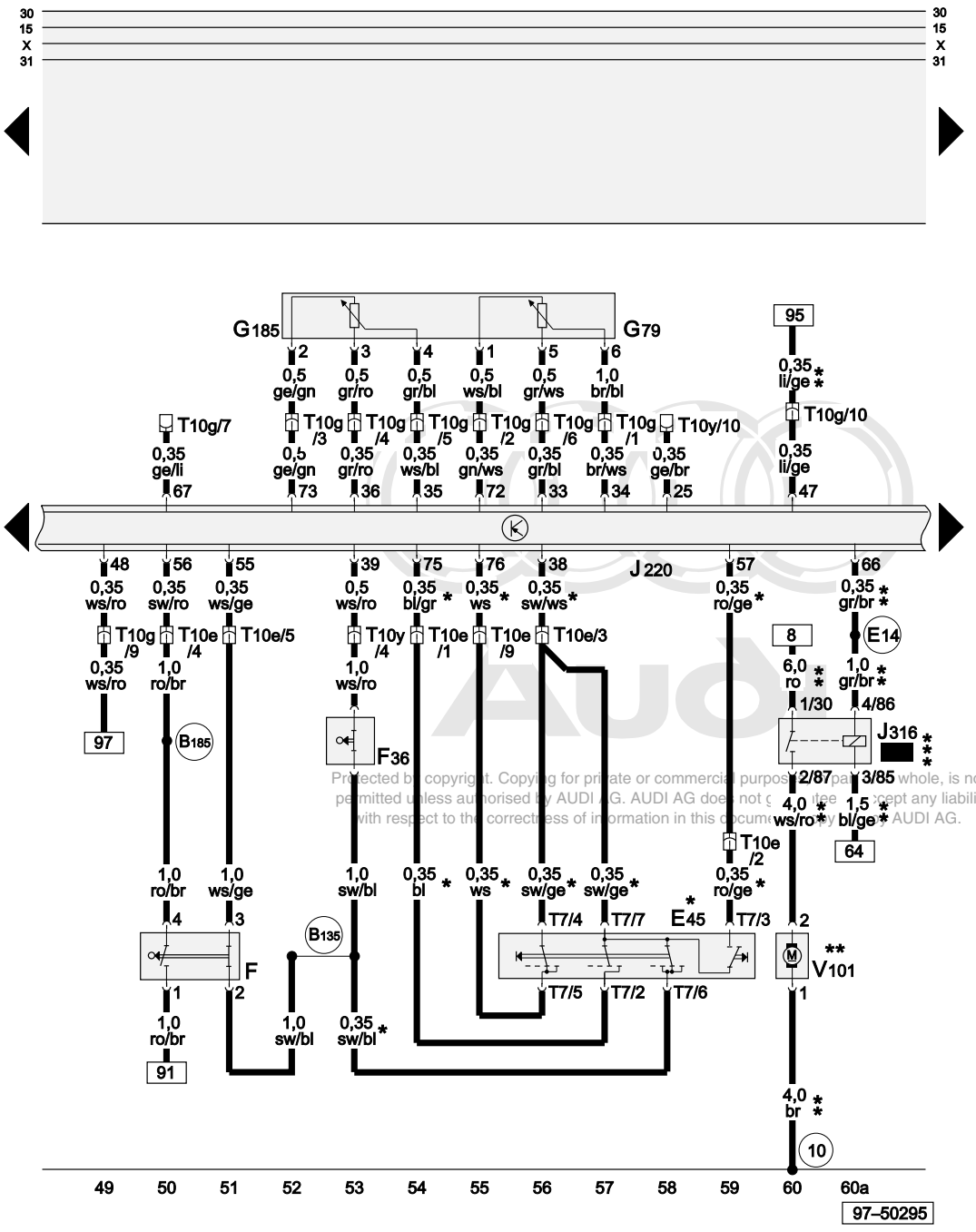
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Motronic control unit, throttle valve control unit, ambient temperature sensor, charge air pressure sender

G31	Charge air pressure sender
G42	Intake air temperature sender
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J220	Motronic control unit
J338	Throttle valve control unit
T10y	10-pin connector, green, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
<fo:exter	CAN bus (data wire)

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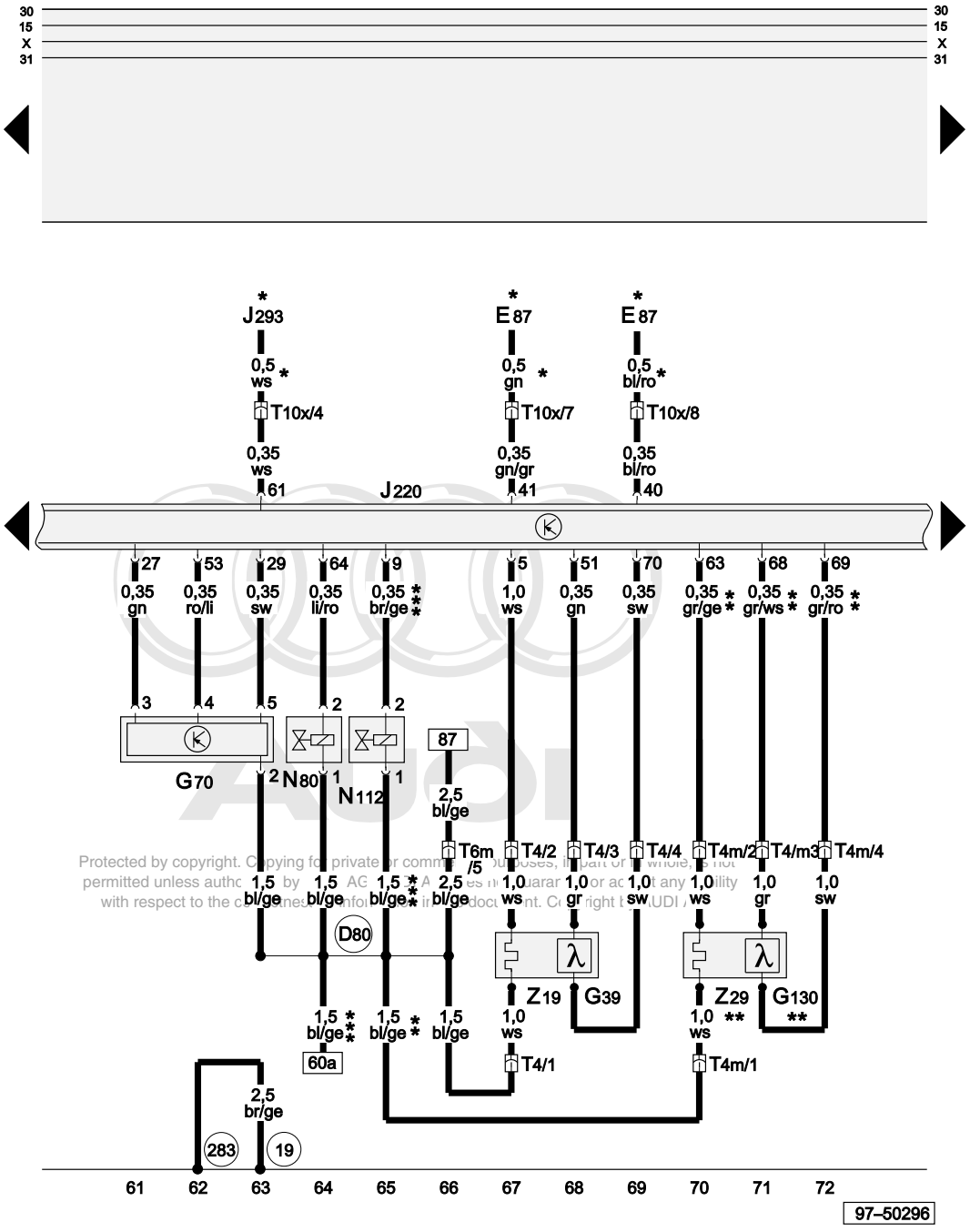


ws = white
sw = black
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Motronic control unit, accelerator pedal position senders, cruise control system switch, brake light switch, clutch pedal switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J220	Motronic control unit
J316	Secondary air system relay
T7	7-pin connector, behind steering column switch trim
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
T10y	10-pin connector, green, in plenum chamber
V101	Secondary air pump motor
10	Earth point, in plenum chamber
B135	Connection -1- (15a), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
E14	Connection -1-, in Motronic wiring harness
*	Only models with cruise control system
**	Only to engine codes APY
***	Relay in plenum chamber

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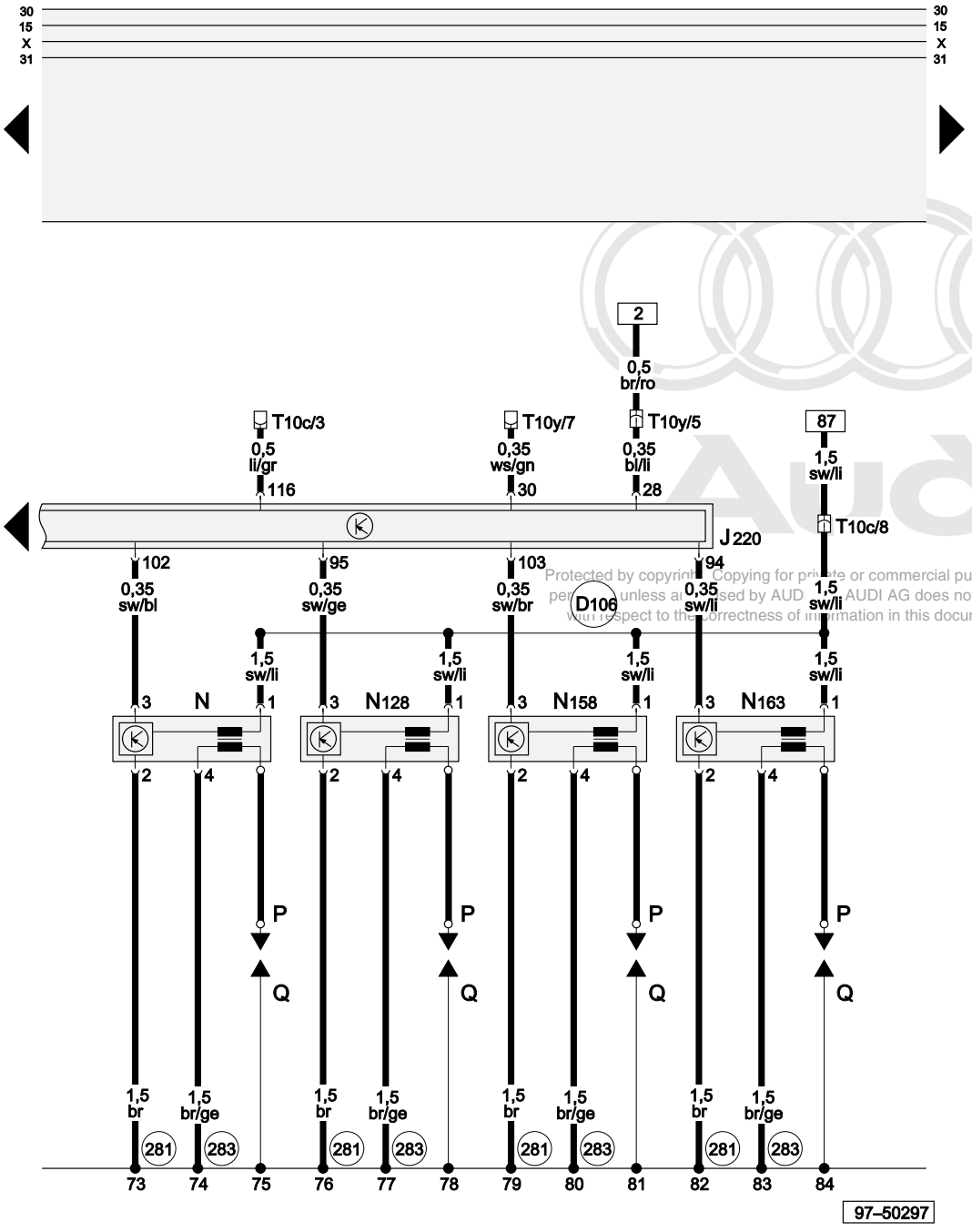


ws = white
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Simos control unit, lambda probes with additional heater, air mass meter, activated charcoal filter system solenoid valve

E87	Control and display unit for air conditioner
G39	Lambda probe
G70	Air mass meter
G130	Lambda probe downstream of catalytic converter
J220	Motronic control unit
J293	Radiator fan control unit
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
T4	4-pin connector, in engine compartment, right
T4m	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
19	Earth point, near coil
283	Earth connection -2-, in engine prewiring wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Only models with air conditioner
**	Applies to engine codes AJQ only
***	Only to engine codes APY

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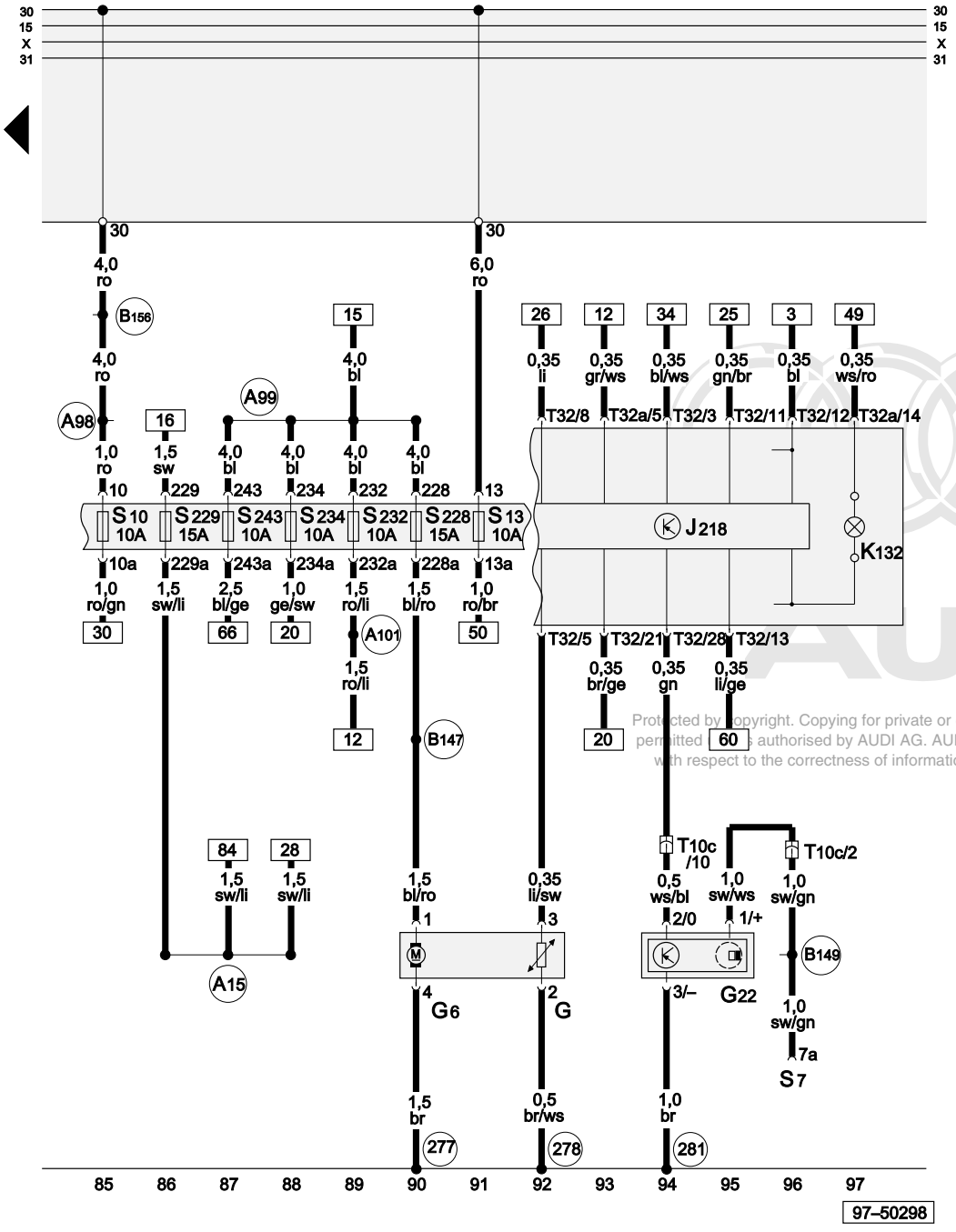


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Ignition system

J220	Motronic control unit
N	Ignition coil 1
N128	Ignition coil 2
N158	Ignition coil 3
N163	Ignition coil 4
P	Spark plug connector
Q	Spark plugs
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T10y	10-pin connector, green, 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

ws	=	white
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or	=	orange
rs	=	pink



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

Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

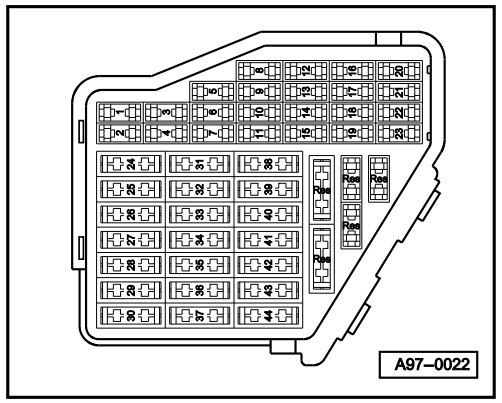
G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K132	Electronic power control fault lamp
S7	Fuse in fuse box
T10c	10-pin connector, black, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
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
A15	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), 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
B156	Positive (+) connection -4- (30a), in interior wiring harness

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Electric windows, 2-door/4-door (with roll-back function)

From model year 1999

Fuse box:

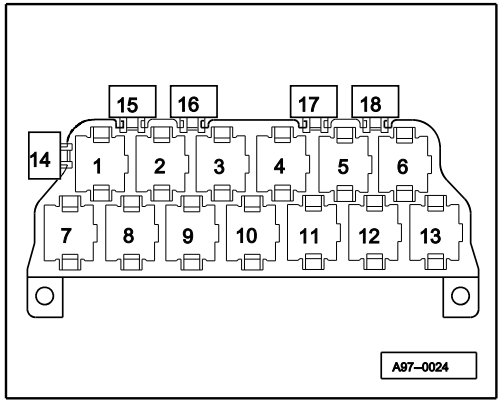


Fuse colours

30 A – green
25 A – white
20 A – yellow
15 A – blue
10 A – red
5A – beige

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

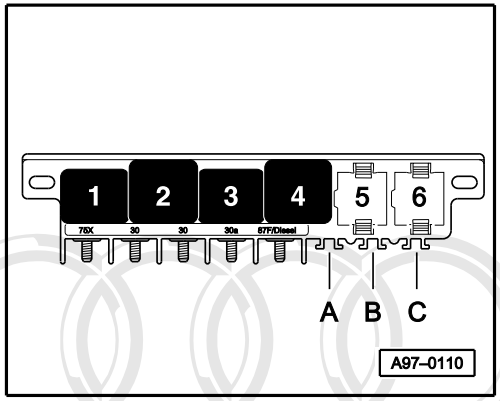
13-point relay carrier:



Position of fuses:

17 - Thermo-fuse for electric windows, rear

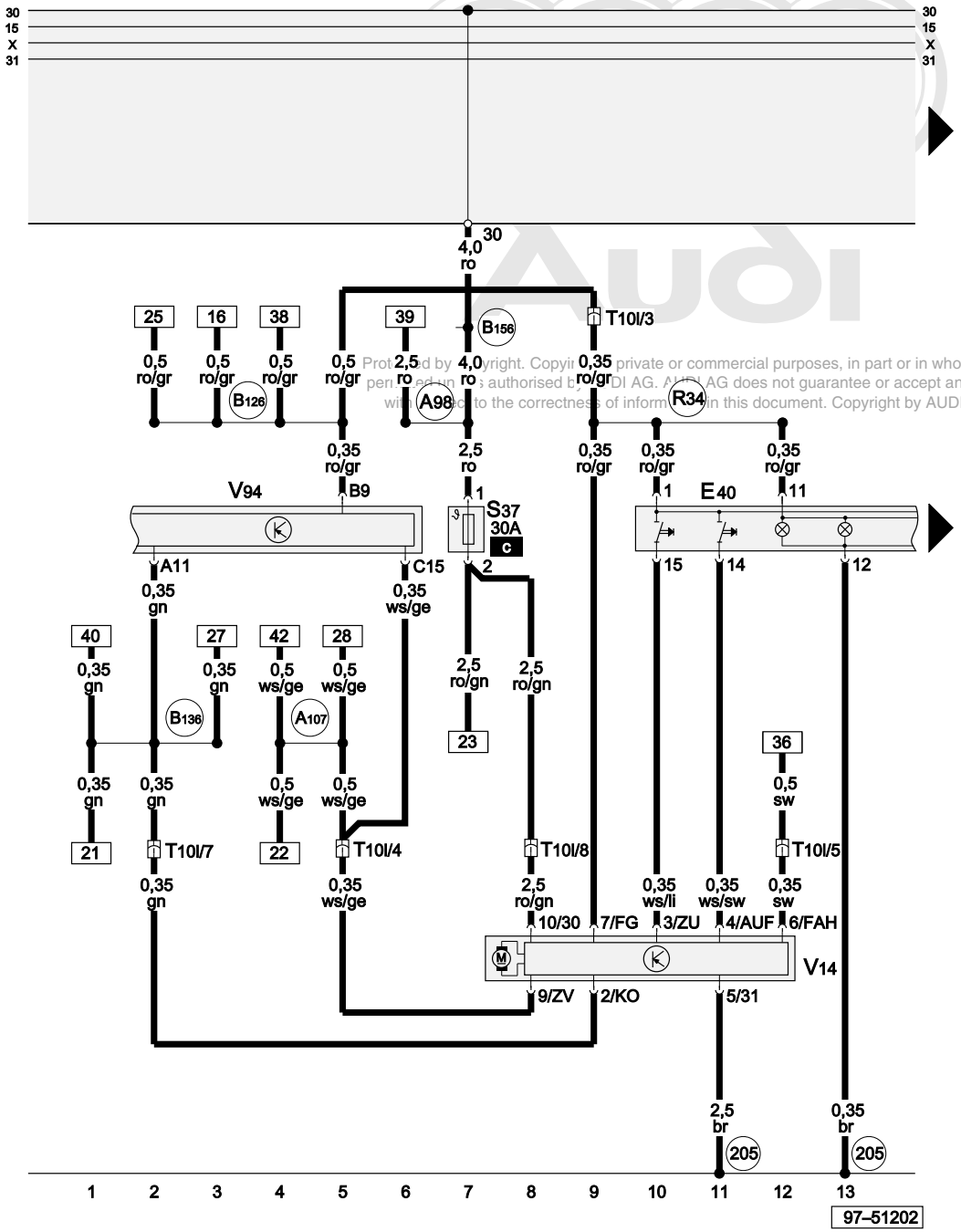
Micro-central electrics:



Position of fuses:

C - Thermo-fuse for electric windows, front

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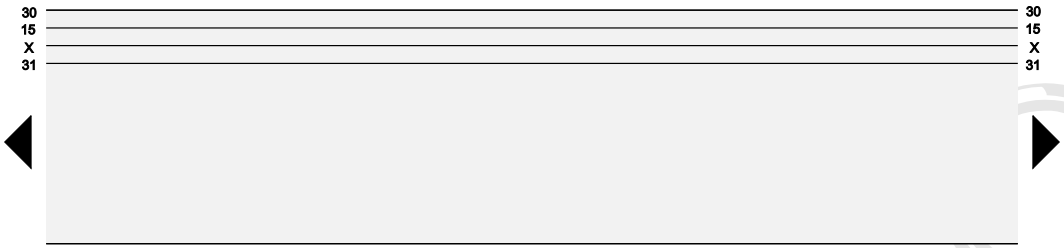


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Electric windows, 2-door/4-door (with roll-back function)

E40	Electric window switch, front left (in driver's door)
S37	Thermo-fuse for electric windows, front
T10l	10-pin connector, red, connector carrier connector carrier, A pillar, left
V14	Window lifter motor, 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
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A107	Connection (convenience locking), in dash panel wiring harness
B126	Connection (87, electric windows control unit), in electric window wiring harness
B136	Connection (open - convenience system), in electric window wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
R34	Connection (87), in door wiring harness, driver's side

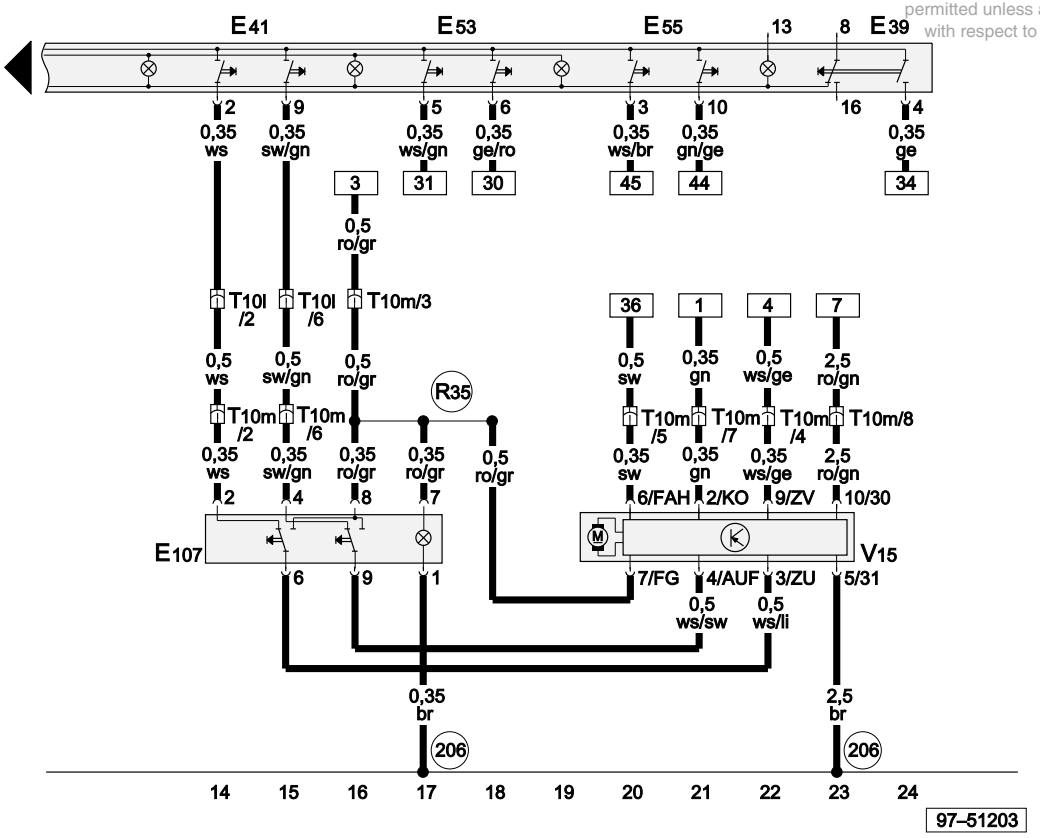
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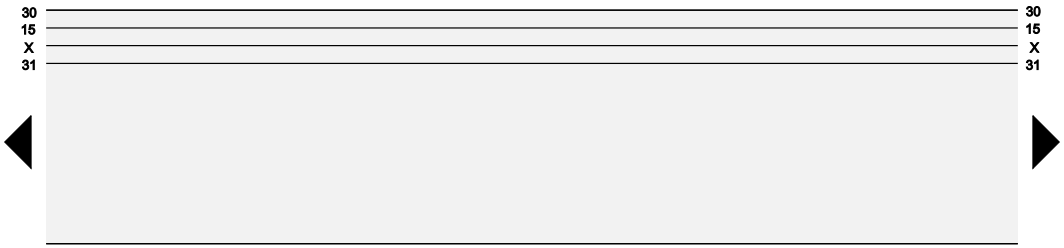
Electric windows, 2-door/4-door (with roll-back function)

E39	Rear electric window isolation switch
E41	Electric window switch, front right (in driver's door)
E53	Electric window switch, rear left, driver's side
E55	Electric window switch, rear right, driver's side
E107	Electric window switch, front right (in passenger's door)
T10l	10-pin connector, red, connector carrier, A pillar, left
T10m	10-pin connector, red, connector carrier, A pillar, right
V15	Electric window motor, right
206	Earth connection, in door wiring harness - front passenger's side
R35	Connection (87), in door wiring harness, front passenger's side

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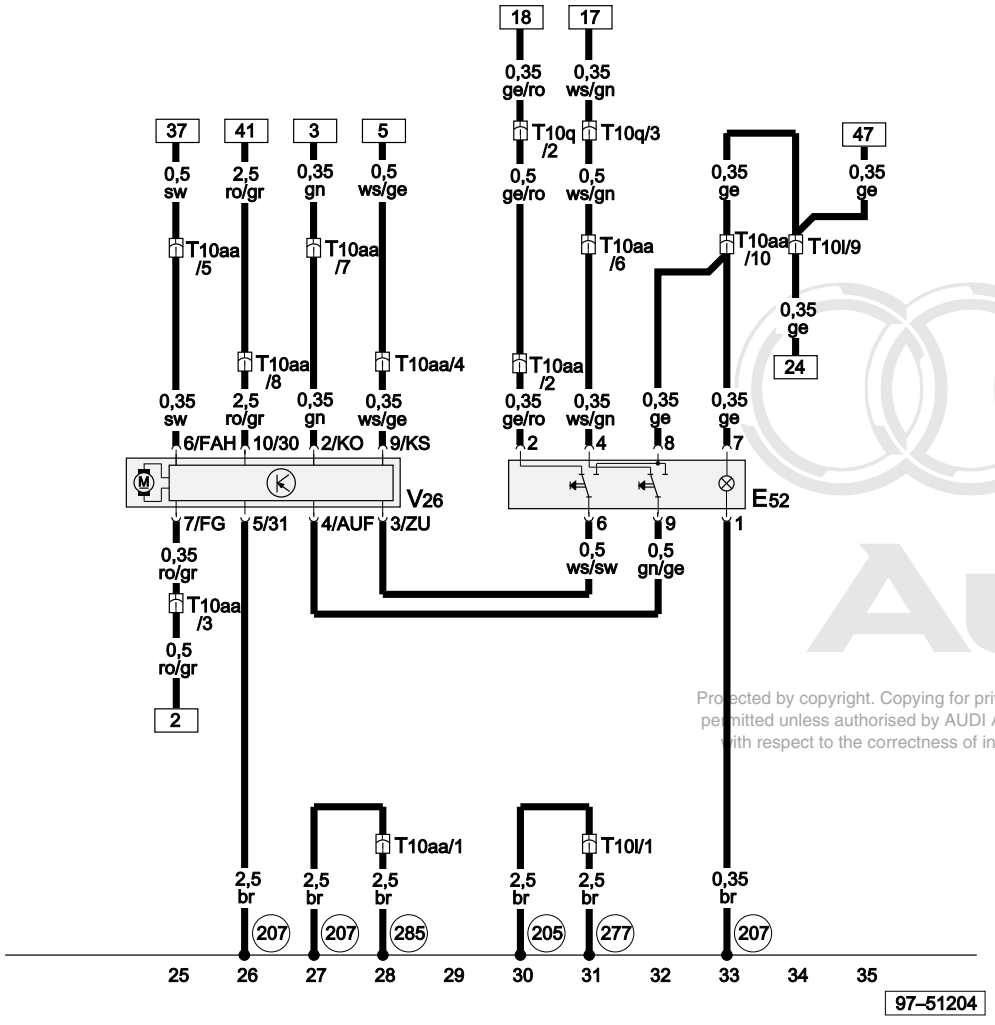


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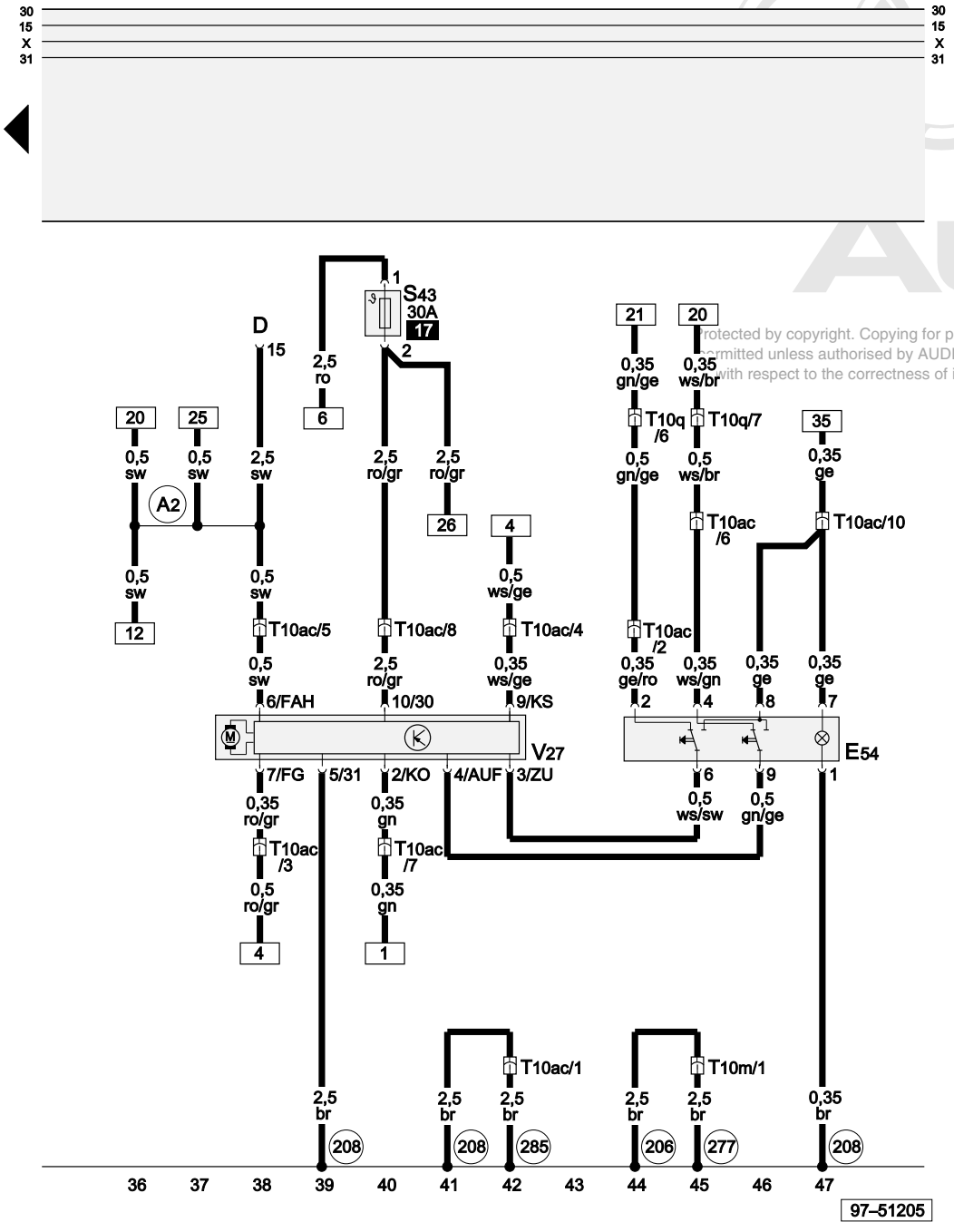
Electric windows, 2-door/4-door (with roll-back function)

E52	Electric window switch, rear left (in door)
T10l	10-pin connector, red, connector carrier, A pillar, left
T10q	10-pin connector, green, connector carrier, A pillar, left
T10aa	10-pin connector, red, connector carrier, B pillar, left
V26	Electric window motor, rear left
205	Earth connection, in door wiring harness - driver's side
207	Earth connection, in rear left door wiring harness
277	Earth connection -3-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness



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ro = red
br = brown
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gr = grey
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Electric windows, 2-door/4-door (with roll-back function)

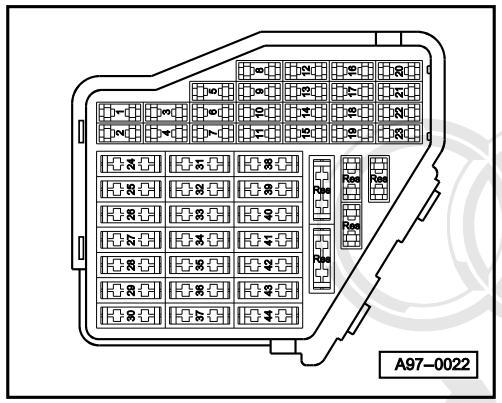
D	Ignition/starter switch
E54	Electric window switch, rear right (in door)
S43	Thermo-fuse for electric windows, rear
T10m	10-pin connector, red, connector carrier, A pillar, right
T10q	10-pin connector, green, connector carrier, A pillar, left
T10ac	10-pin connector, red, connector carrier, B pillar, right
V27	Electric window motor, rear right
206	Earth connection, in door wiring harness - front passenger's side
208	Earth connection, in rear right door wiring harness
277	Earth connection -3-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness

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Radiator fan control for 1.8 litre Motronic 154kW, 4-cylinder - S3

From model year 1999

Fuse box:

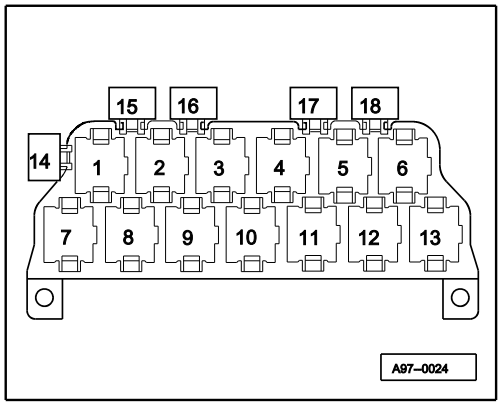


Fuse colours

30 A – green
25 A – white
20 A – yellow
15 A – blue
10 A – red
5A – beige

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

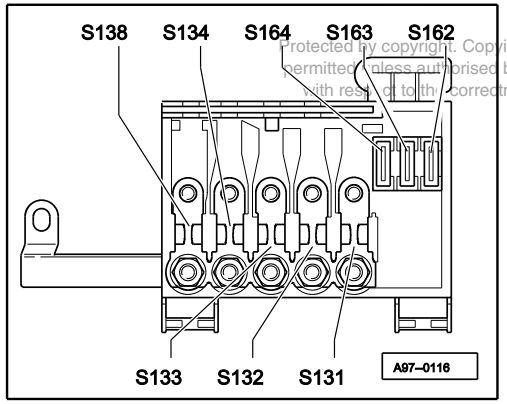
13-point relay carrier:



Position of relays:

13 – Coolant pump control unit

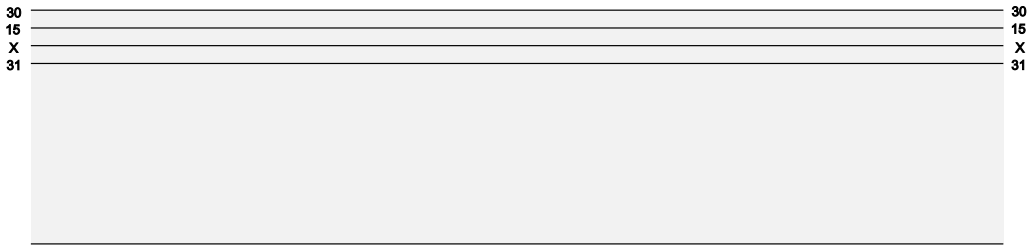
Main fuse box/battery:



Position of fuses:

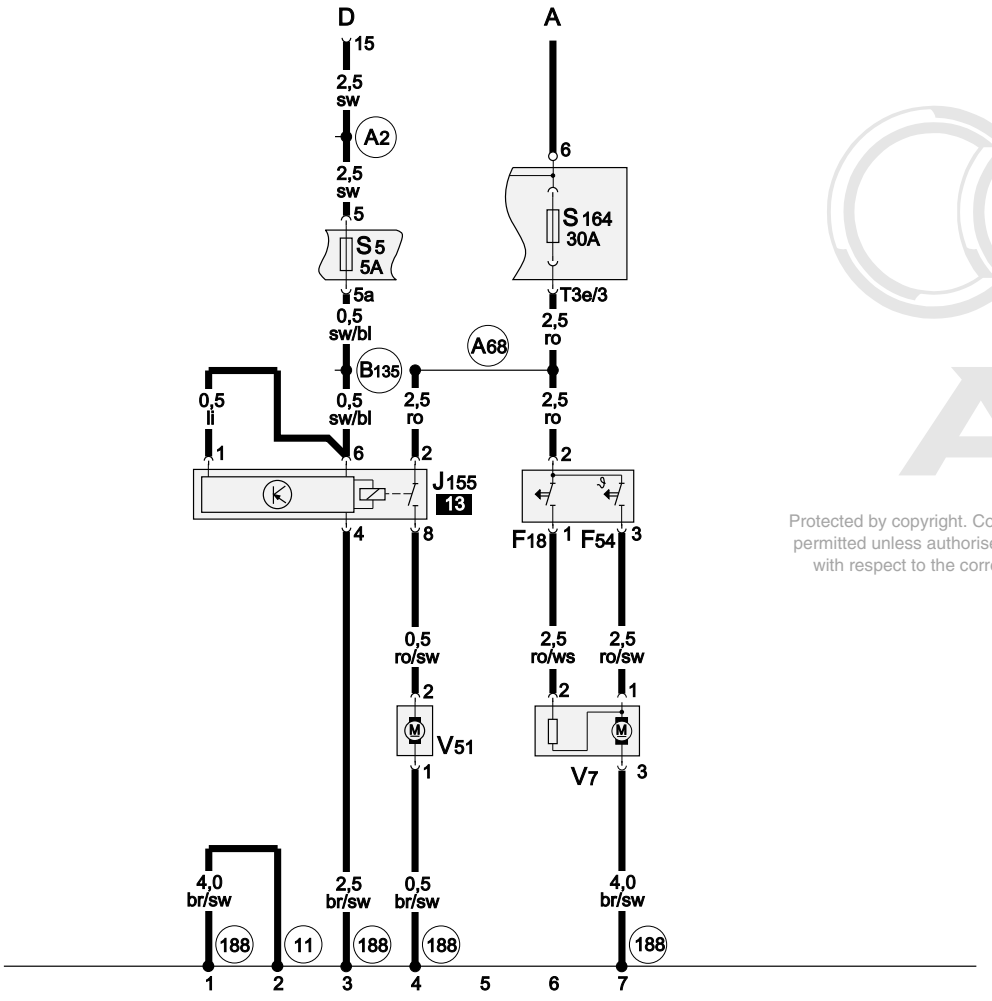
S164 – 3 in fuse box/battery

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Radiator fan control for 1.8 litre Motronic 154kW, 4-cylinder - S3

A	Battery
D	Ignition/starter switch
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J155	Coolant pump control unit
S5	Fuse in fuse box
S164	Fuse -3- (30), in fuse box/battery
T3e	3-pin connector, black, on main fuse box/battery
V7	Radiator fan
V51	Continued circulation of coolant pump
11	Earth point, in battery box
188	Earth connection -3-, in air conditioner wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A68	Connection (30, air conditioner), in dash panel wiring harness
B135	Connection (15a), in interior wiring harness



97–51392

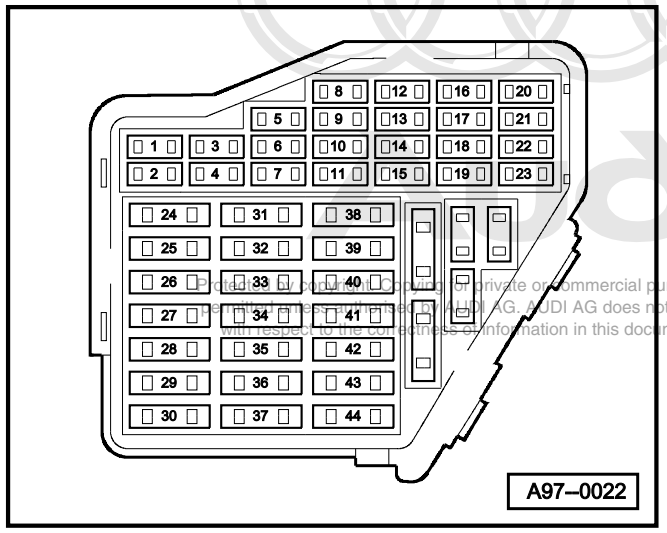
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sw = black
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Basic equipment and Audi A3 (1.8 litre fuel injection engine, 92 kW, Motronic, 4-cylinder - with manual throttle operation), engine codes AGN

From model year 2000

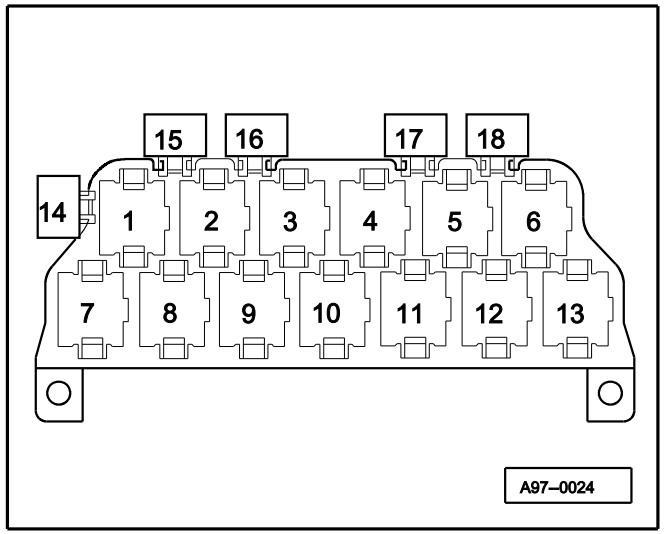
Fuse box:



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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.

13-point relay carrier:



Position of relays:

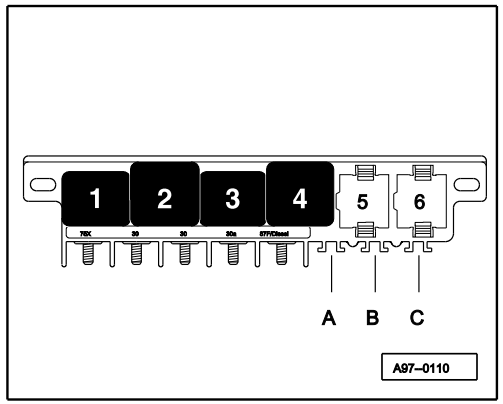
11 - Starter inhibitor and reversing light relay

Fuse colours

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

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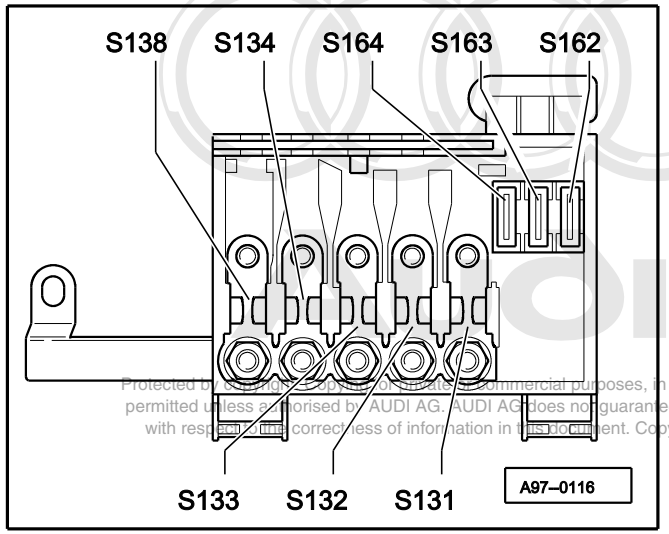
Micro-central electrics:



Position of relays:

1 - Dual tone horn relay
2 - X contact relief relay
3 - free
4 - Fuel pump relay
5,6 - Automatic intermittent wash/wipe relay

Main fuse box/battery:

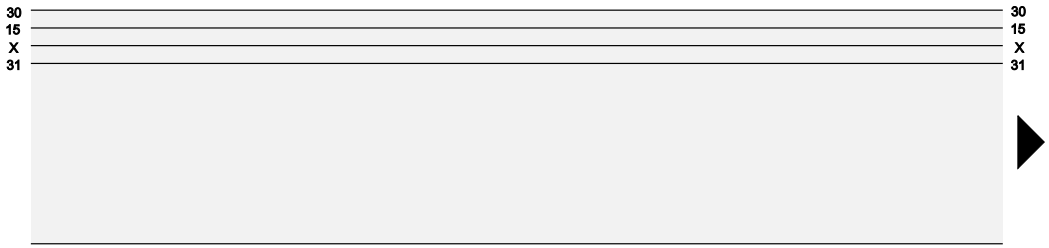


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Position of fuses:

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

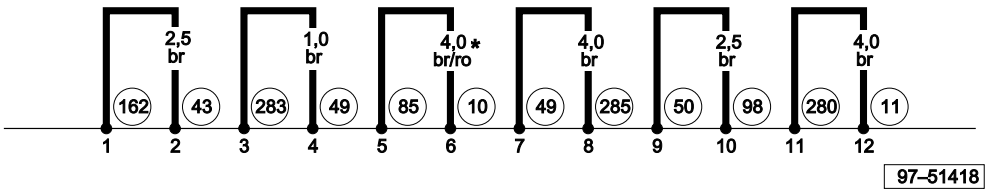
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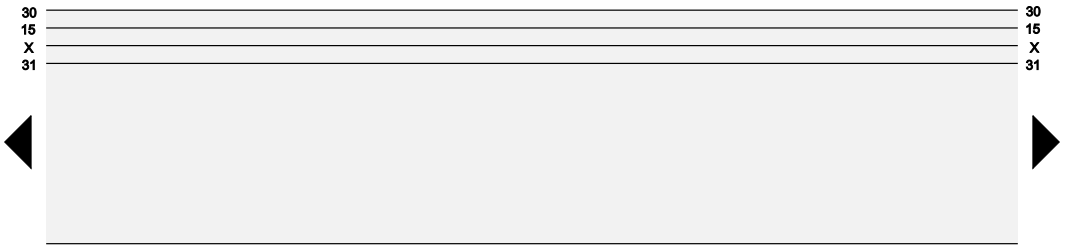
Earth connections

10	Earth point, in plenum chamber
11	Earth point, in battery box
43	Earth point, lower part of right A-pillar
49	Earth point, next to steering columm, left
50	Earth point, on left luggage compartment
85	Earth connection -1-, in engine compartment wiring harness
98	Earth connection, in tailgate/boot lid wiring harness
162	Earth connection, in blower motor wiring harness
280	Earth connection -2-, in engine compartment wiring harness
283	Earth connection -2-, in engine prewiring wiring harness
285	Earth connection -7-, in interior wiring harness
*	Export versions (only northern countries)

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gn	=	green
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or	=	orange
rs	=	pink



Earth connections

T14 14-pin connector, wiring duct, in engine compartment, left

10 Earth point, in plenum chamber

42 Earth point, next to steering columm

45 Earth point, behind dash panel

49 Earth point, next to steering columm, left

50 Earth point, on left luggage compartment

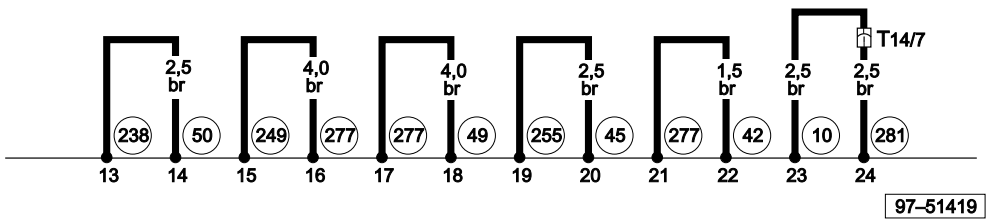
238 Earth connection -1-, in interior wiring harness

249 Earth connection -2-, in interior wiring harness

255 Earth connection -1-, in radio wiring harness

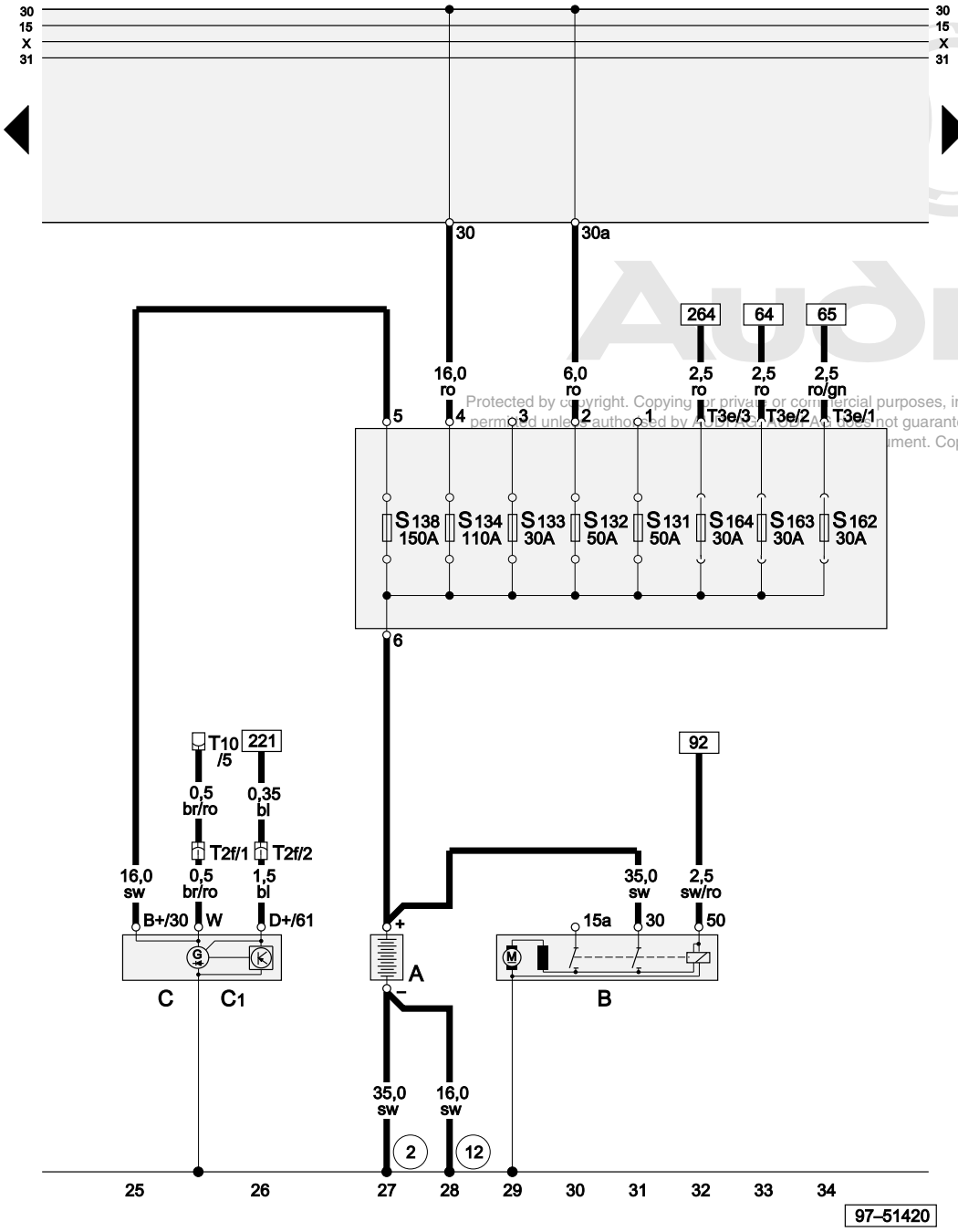
277 Earth connection -3-, in interior wiring harness

281 Earth connection -1-, in engine prewiring wiring harness



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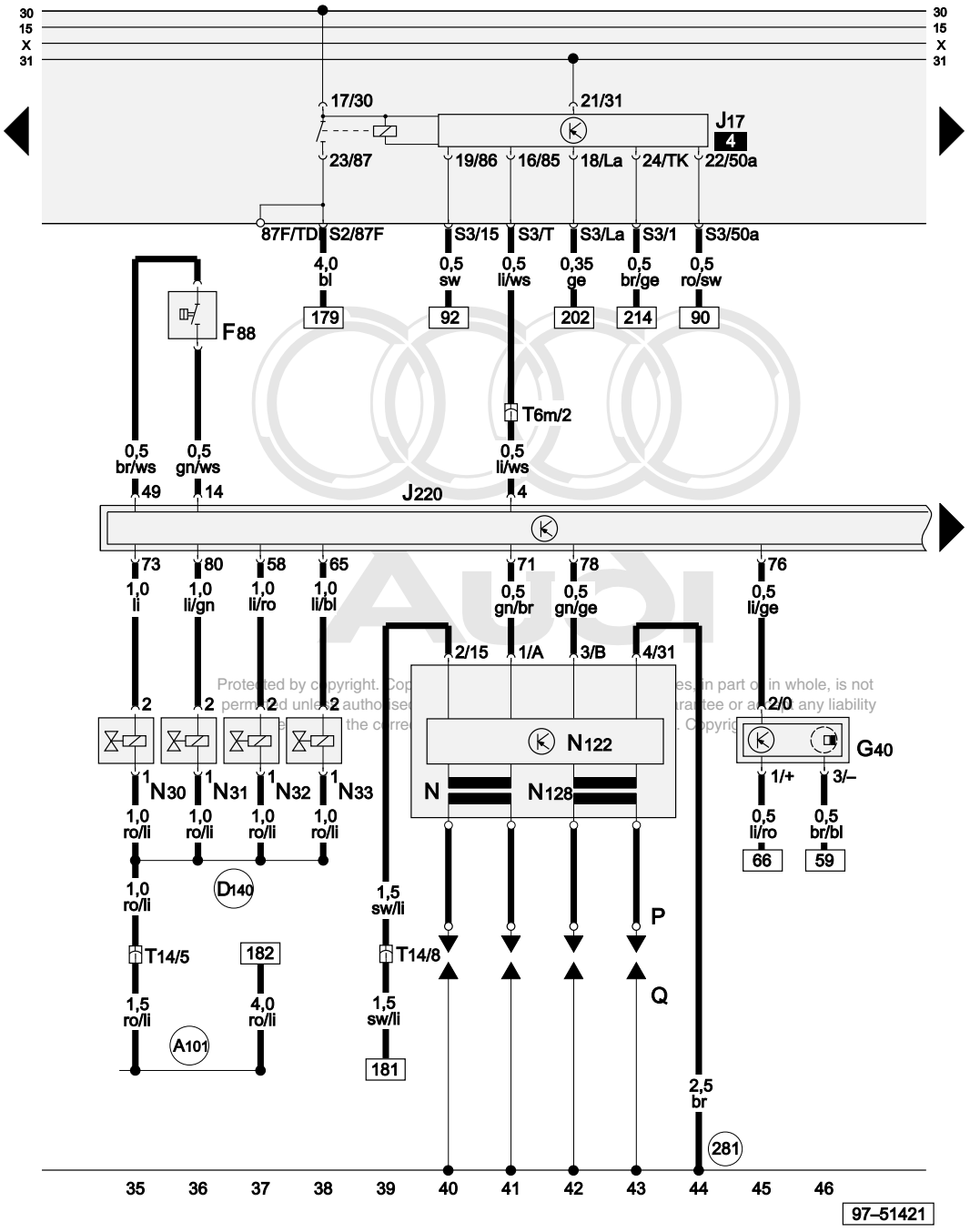


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Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
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
T2f	2-pin connector, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T10	10-pin connector, white, in plenum chamber
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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or	=	orange
rs	=	pink

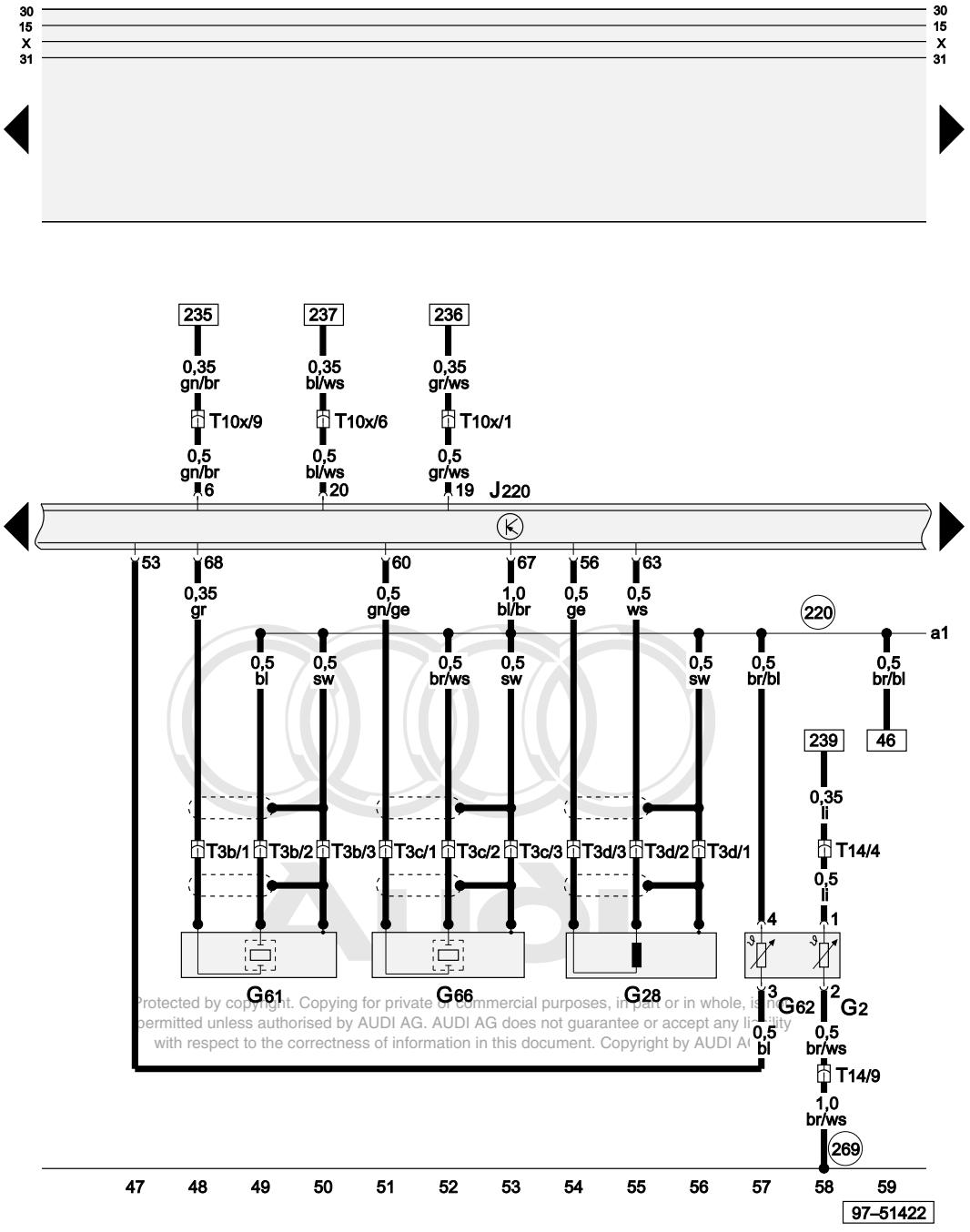


Motronic control unit, fuel pump relay, injectors, ignition system, Hall sender

F88	Power assisted steering pressure switch
G40	Hall sender
J17	Fuel pump relay
J220	Motronic control unit
N	Ignition coil 1
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
T6m	6-pin connector, brown, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
281	Earth connection -1-, in engine prewiring wiring harness
A101	Connection -3- (87), in dash panel wiring harness
D140	Connection (injectors), in engine prewiring wiring harness

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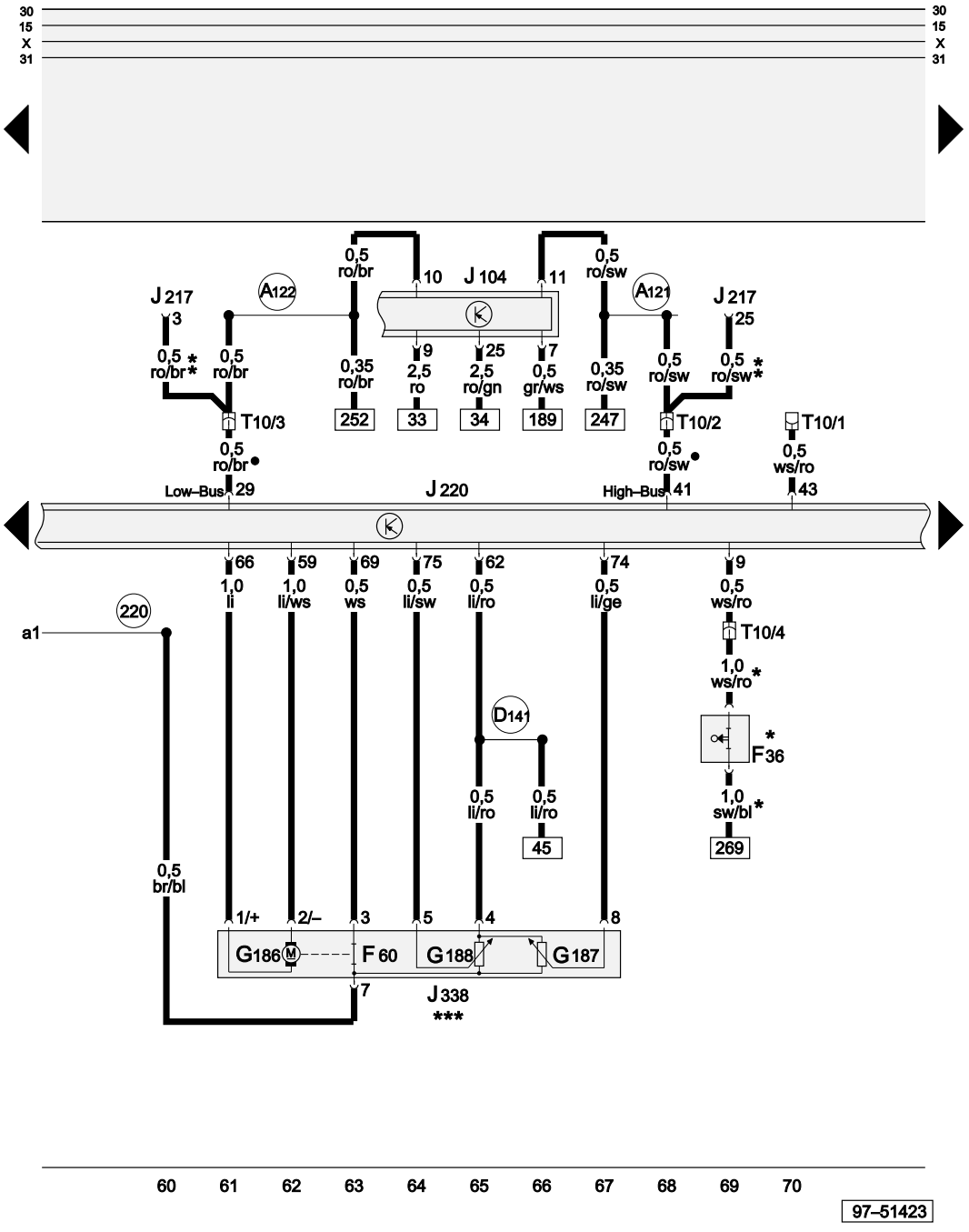


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Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J220	Motronic control unit
T3b	3-pin connector, black, in engine compartment
T3c	3-pin connector, brown, in engine compartment
T3d	3-pin connector, grey, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
269	Earth connection (sender earth) -1-, in dash panel wiring harness

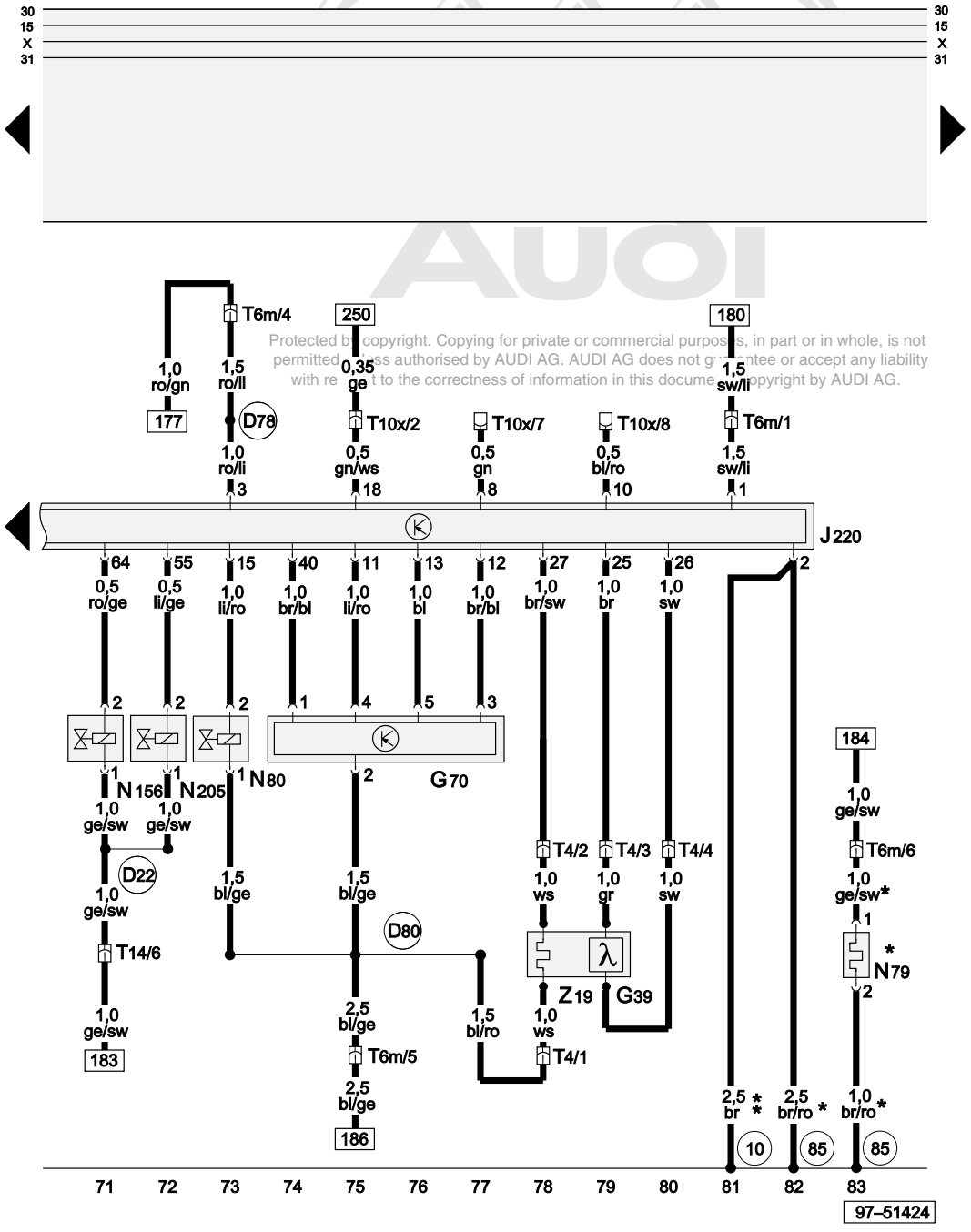


Motronic control unit, throttle valve control unit

F36	Clutch pedal switch
F60	Idling switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J217	Automatic gearbox control unit
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
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox
***	Wiring of connections on models without cruise control system
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform" />	Wiring of connections on models with cruise control system, see applicable Current Flow Diagram: Cruise control system
•	Data wire (CAN bus)

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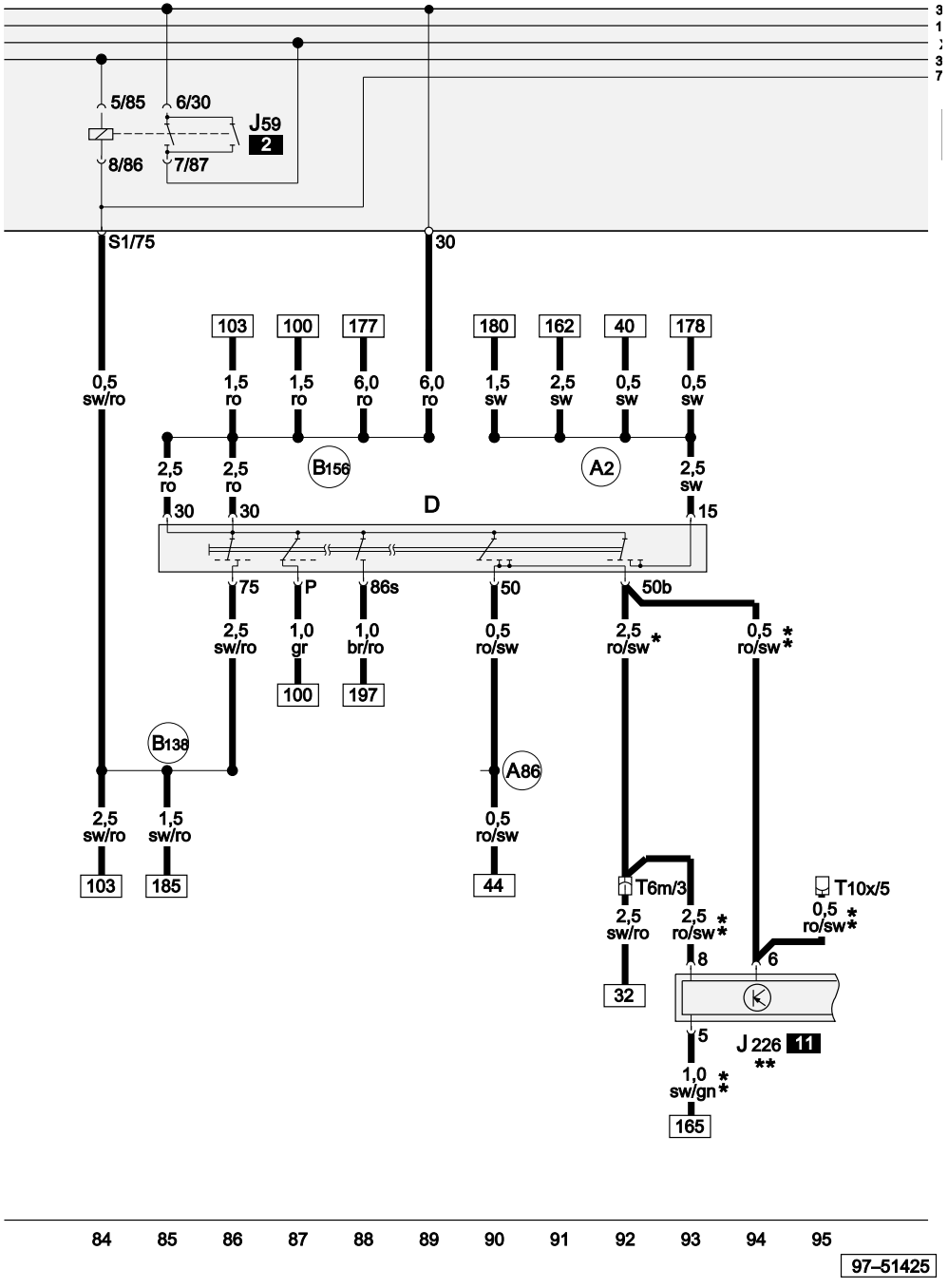


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Motronic control unit, lambda probe, air mass meter, inlet camshaft timing adjustment valve, Activated charcoal filter system solenoid valve, intake manifold change-over valve

G39	Lambda probe
G70	Air mass meter
J220	Motronic control unit
N79	Heater element (crankcase breather)
N80	Activated charcoal filter system solenoid valve 1
N156	Intake manifold change-over valve
N205	Inlet camshaft timing adjustment valve -1-
T4	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
Z19	Lambda probe heater
10	Earth point, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
D22	Connection (via fuse 234), in front right wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Export versions (only northern countries)
**	Does not apply only northern countries

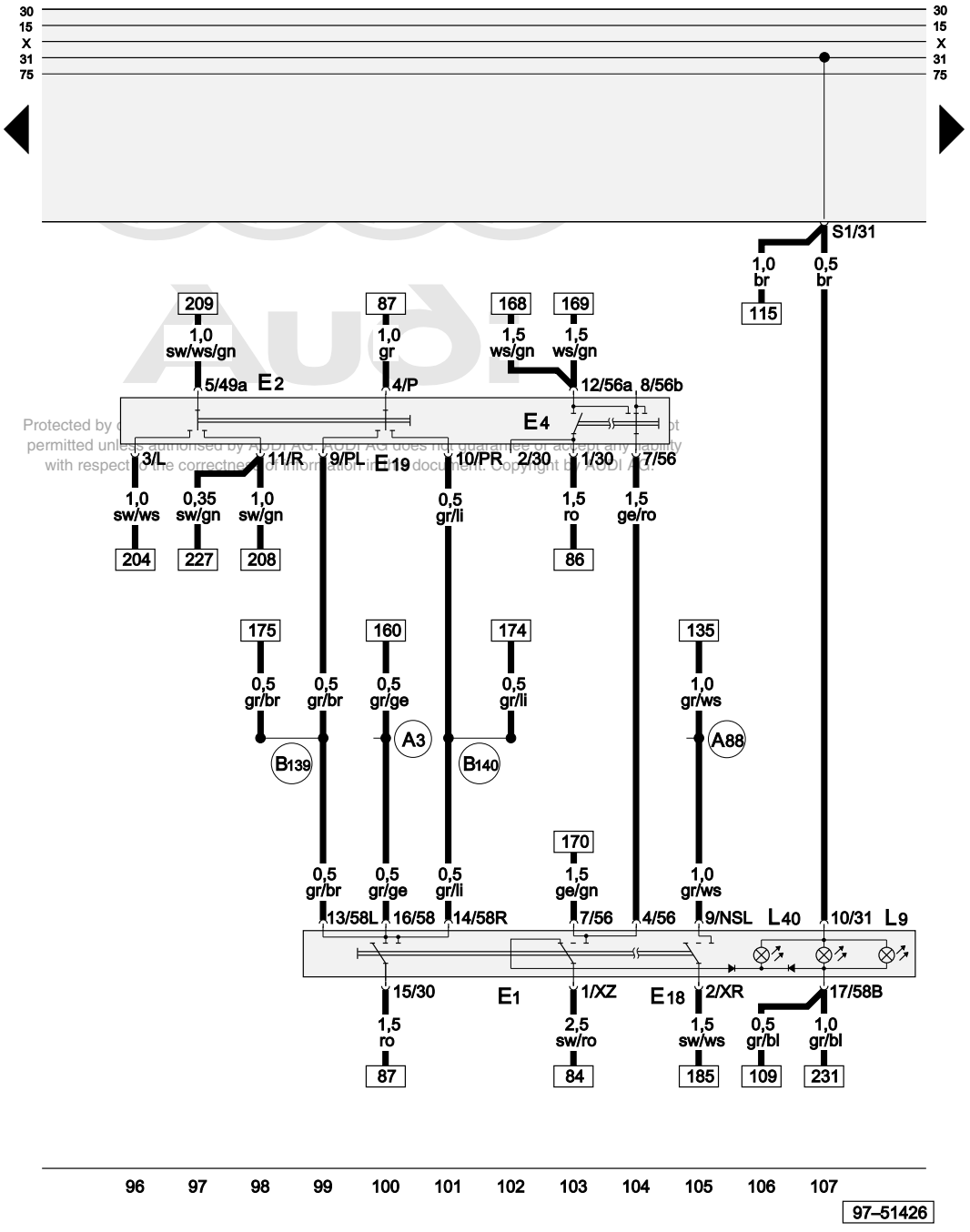


Ignition/starter switch, X contact relief relay

D	Ignition/starter switch
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
A2	Positive (+) connection (15), in dash panel wiring harness
A86	Connection (50a), in dash panel wiring harness
B138	Positive (+) connection -1- (x), in interior wiring harness
B156	Positive (+) connection -4- (30), in interior wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

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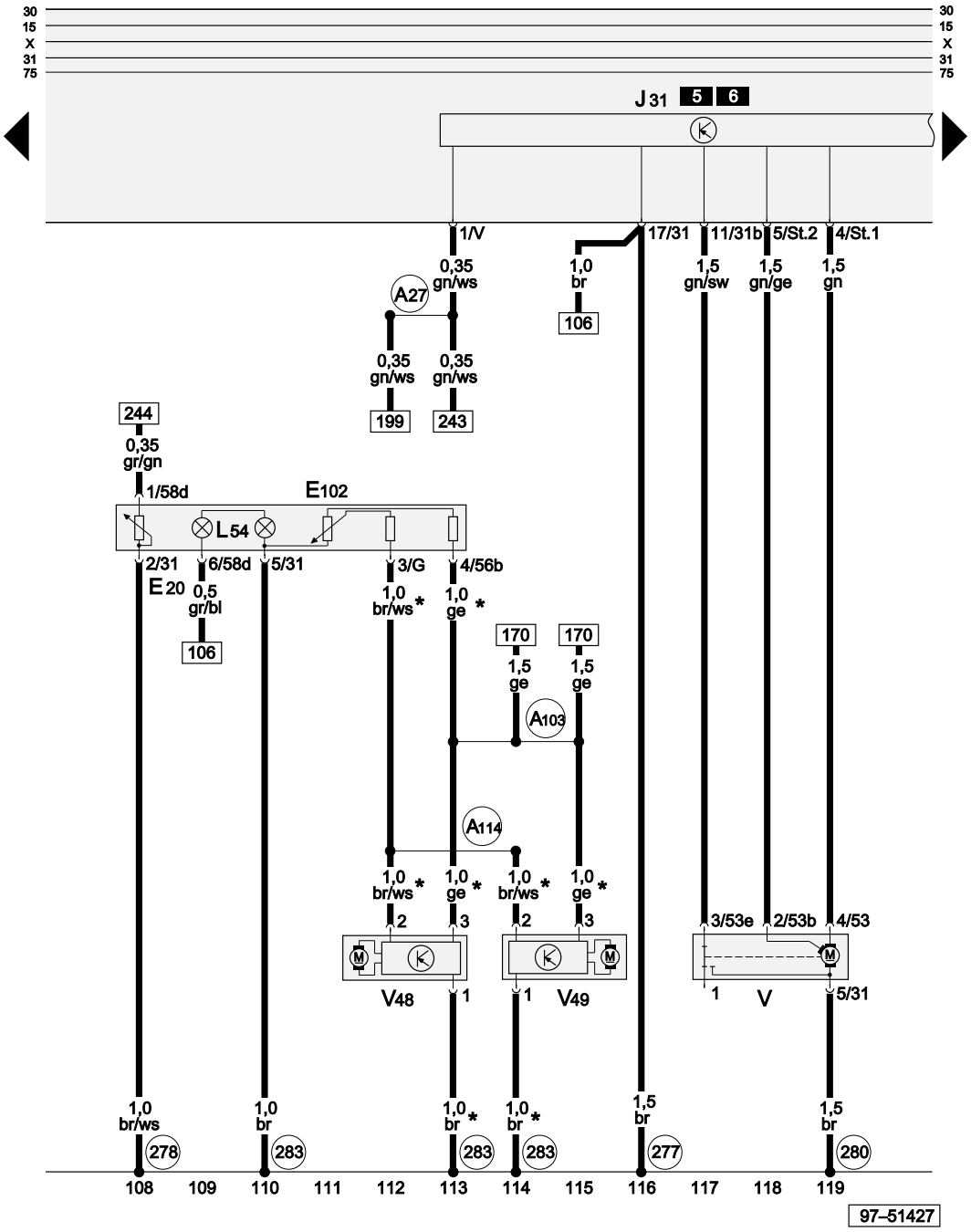


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Lighting switch, steering column switch - left

E1	Lighting switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
E19	Parking light switch
L9	Lighting switch light bulb
L40	Front and rear fog light switch bulb
A3	Positive (+) connection (58), in dash panel wiring harness
A88	Connection (RFL), in dash panel wiring harness
B139	Connection (PLL), in interior wiring harness
B140	Connection (PLR), in interior wiring harness

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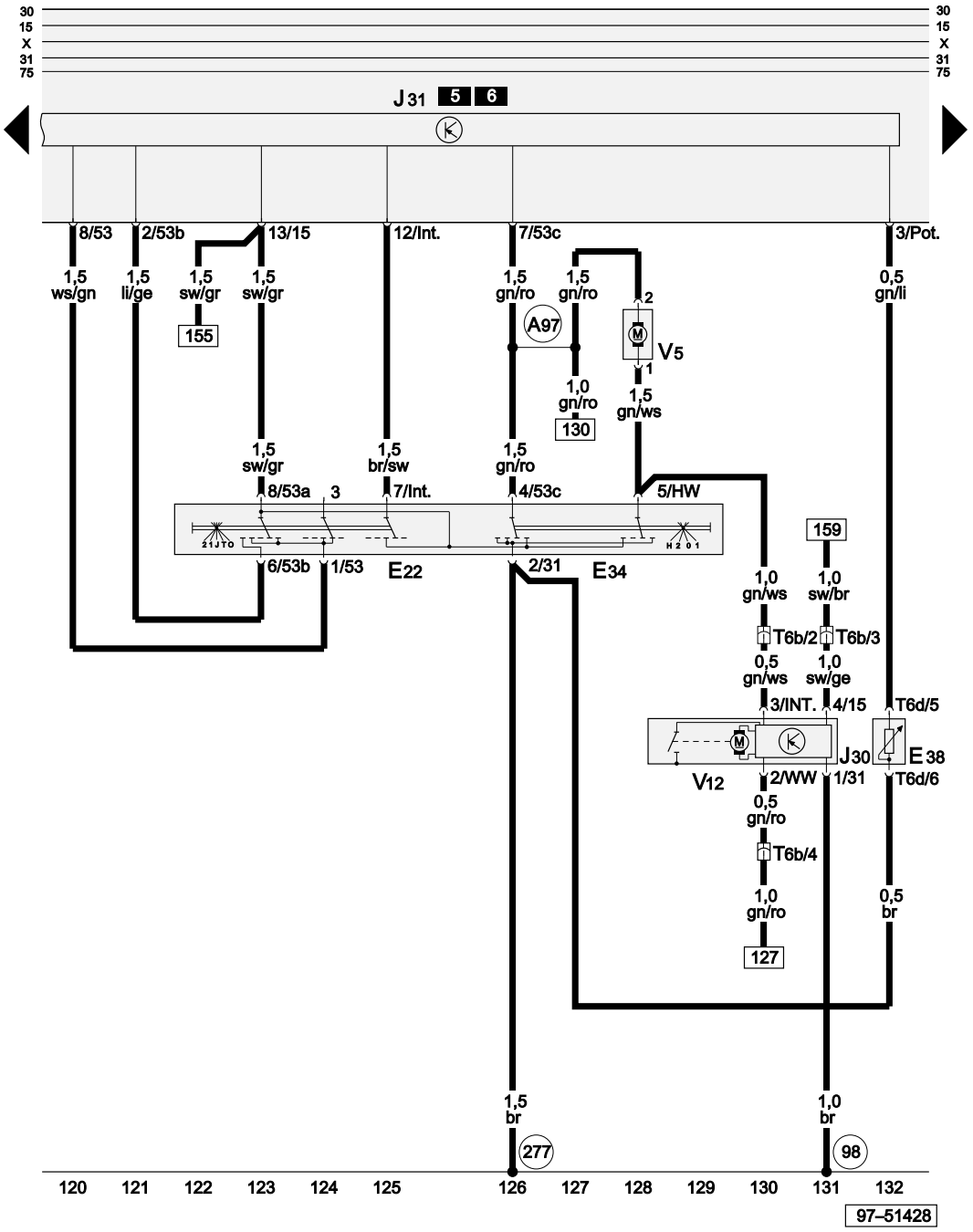


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Switches and instruments, lighting control, windscreen washer/ wiper system, headlight range control (not for 1.8 litre turbo-Motronic 154kW - S3)

E20	Switches and instruments, lighting control
E102	Headlight range control adjuster
J31	Automatic intermittent wash/wipe relay
L54	Headlight range control adjuster light bulb
V	Windscreen wiper motor
V48	Headlight range control motor, left
V49	Headlight range control motor, right
277	Earth connection -3-, in interior wiring harness
278	Earth connection -4-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
283	Earth connection -2-, in engine prewiring 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 litre turbo-Motronic 154kW, 4-cylinder

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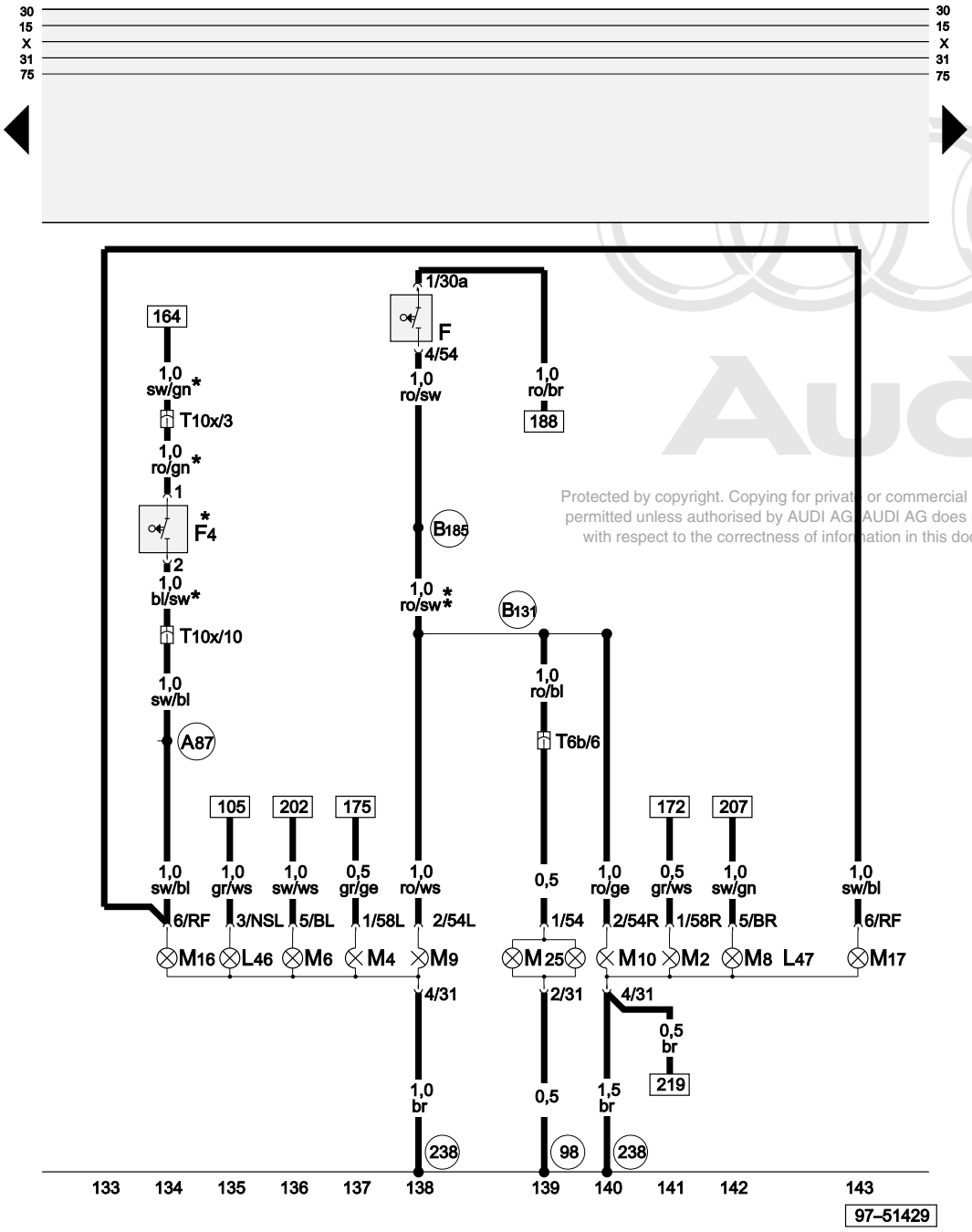


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Right steering column switch, windscreen washer/wiper system, rear window wiper

E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper control
J30	Rear window wiper/washer relay
J31	Automatic intermittent wash/wipe relay
T6b	6-pin connector, blue, in luggage compartment, left
T6d	6-pin connector, brown, behind steering column switch trim
V5	Windscreen washer pump
V12	Rear window wiper motor
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection -3-, in interior wiring harness
A97	Connection (53), in dash panel wiring harness

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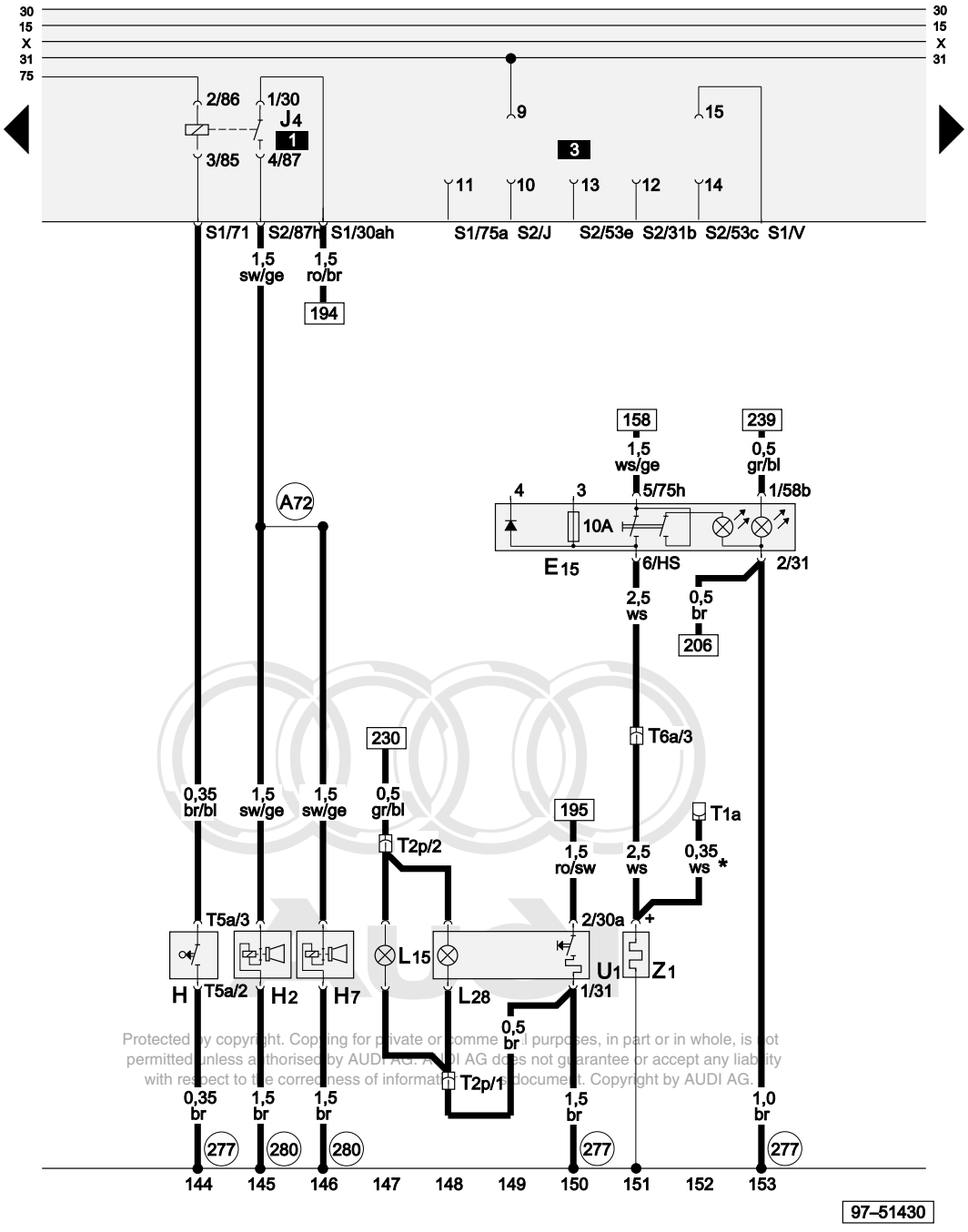


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Tail lights, brake lights, reversing lights, rear fog light

F	Brake light switch
F4	Reversing light switch
L46	Rear fog light bulb, left
L47	Rear fog light bulb, right
M2	Tail light bulb, right
M4	Tail light bulb, left
M6	Turn signal bulb, rear left
M8	Turn signal bulb, rear right
M9	Brake light bulb, left
M10	Brake light bulb, right
M16	Reversing light bulb, left
M17	Reversing light bulb, right
M25	High level brake light bulb
T6b	6-pin connector, blue, in luggage compartment, left
T10x	10-pin connector, orange, in plenum chamber
98	Earth connection, in tailgate/boot lid wiring harness
238	Earth connection -1-, in interior wiring harness
A87	Connection (RL), in dash panel wiring harness
B131	Positive (+) connection (54), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with manual gearbox
**	Does not apply to models with electronic stability program

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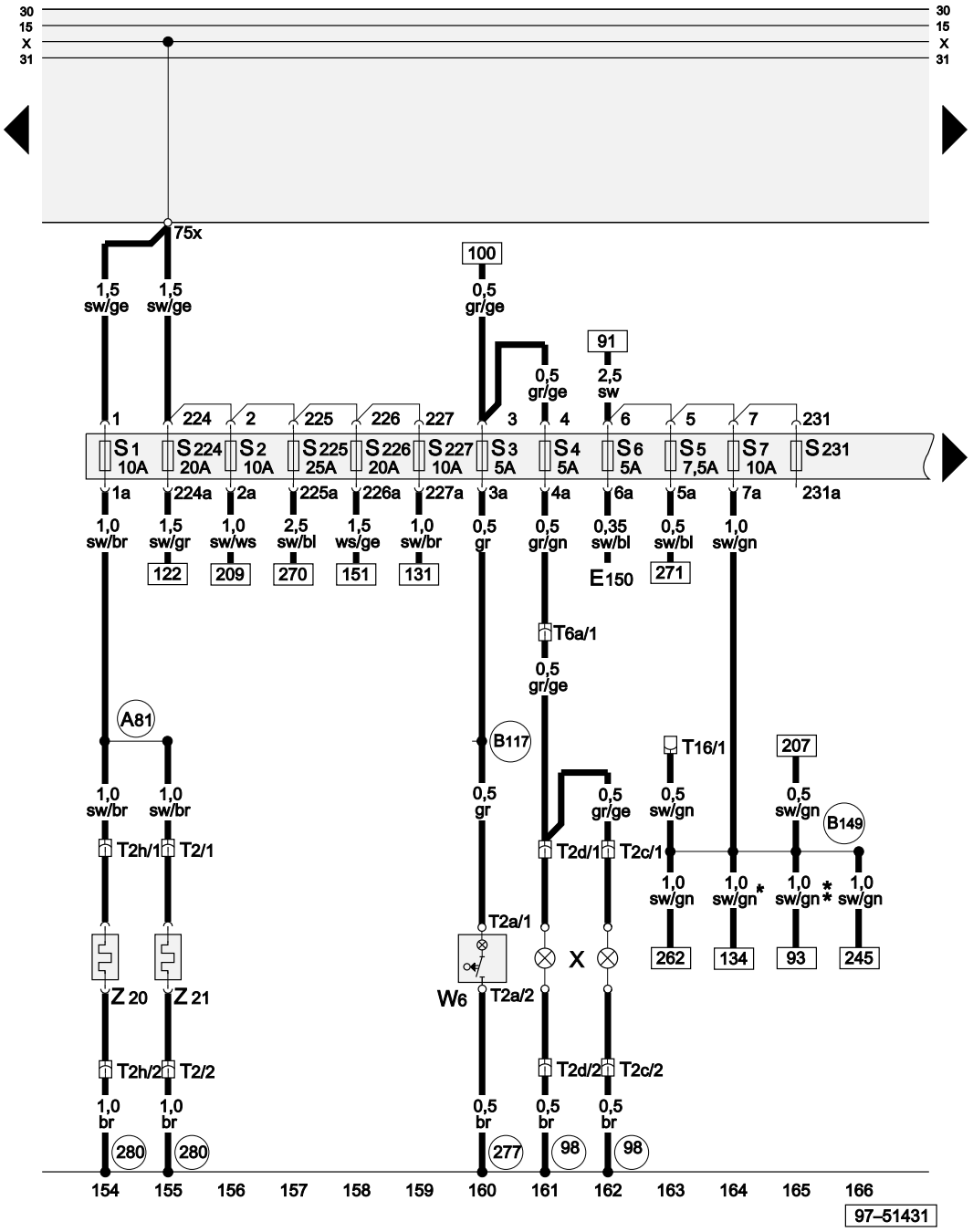


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Horn plate, heated rear window, cigarette lighter, illuminated ashtray

E15	Heated rear window switch
H	Horn plate
H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
L15	Ashtray light bulb
L28	Cigarette lighter light bulb
T1a	Single connector, white, in luggage compartment, left
T2p	2-pin connector, behind console
T5a	5-pin connector, yellow, behind steering column switch trim
T6a	6-pin connector, black, in luggage compartment, left
U1	Cigarette lighter
Z1	Heated rear window
277	Earth connection -3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A72	Connection (71), in dash panel wiring harness
*	Only models with navigation system

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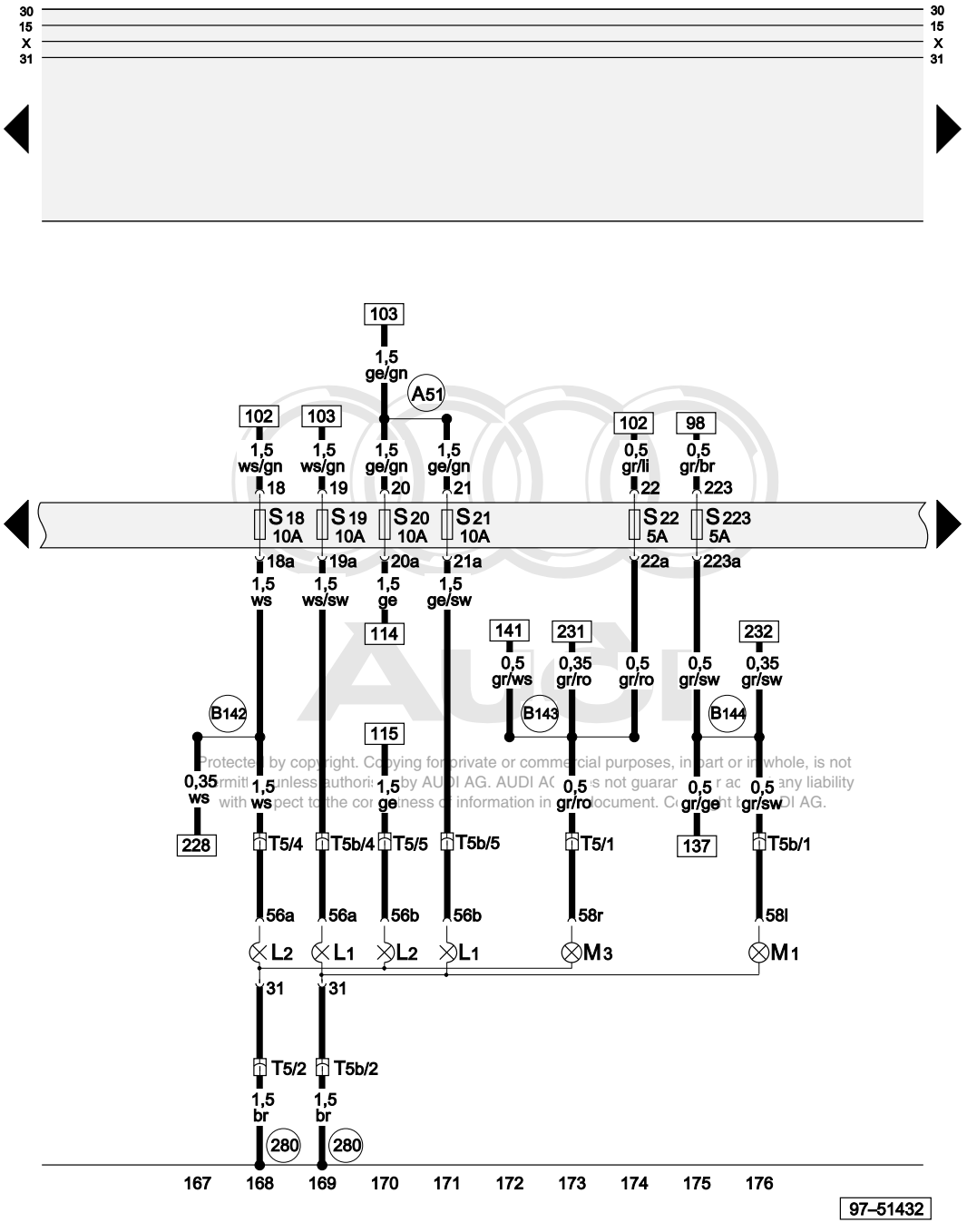


ws = white
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Fuse box, number plate light, glove box light, heated washer jets

E150	Interior locking switch
T2	2-pin connector, on plenum chamber, right
T2a	2-pin connector, black, behind side of dash panel, right
T2c	2-pin connector, black, in tailgate/boot lid, right
T2d	2-pin connector, black, in tailgate/boot lid, left
T2h	2-pin connector, on plenum chamber, right
T6a	6-pin connector, black, in luggage compartment, left
T16	16-pin connector, black, centre console compartment (diagnosis connector)
W6	Glove box light
X	number plate light
Z20	Heater element, left washer jet
Z21	Heater element, right washer jet
98	Earth connection, in tailgate/boot lid wiring harness
277	Earth connection -3-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A81	Connection -2- (X), in dash panel wiring harness
B117	Connection (58a, right), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
*	Only models with manual gearbox
**	Only models with automatic gearbox

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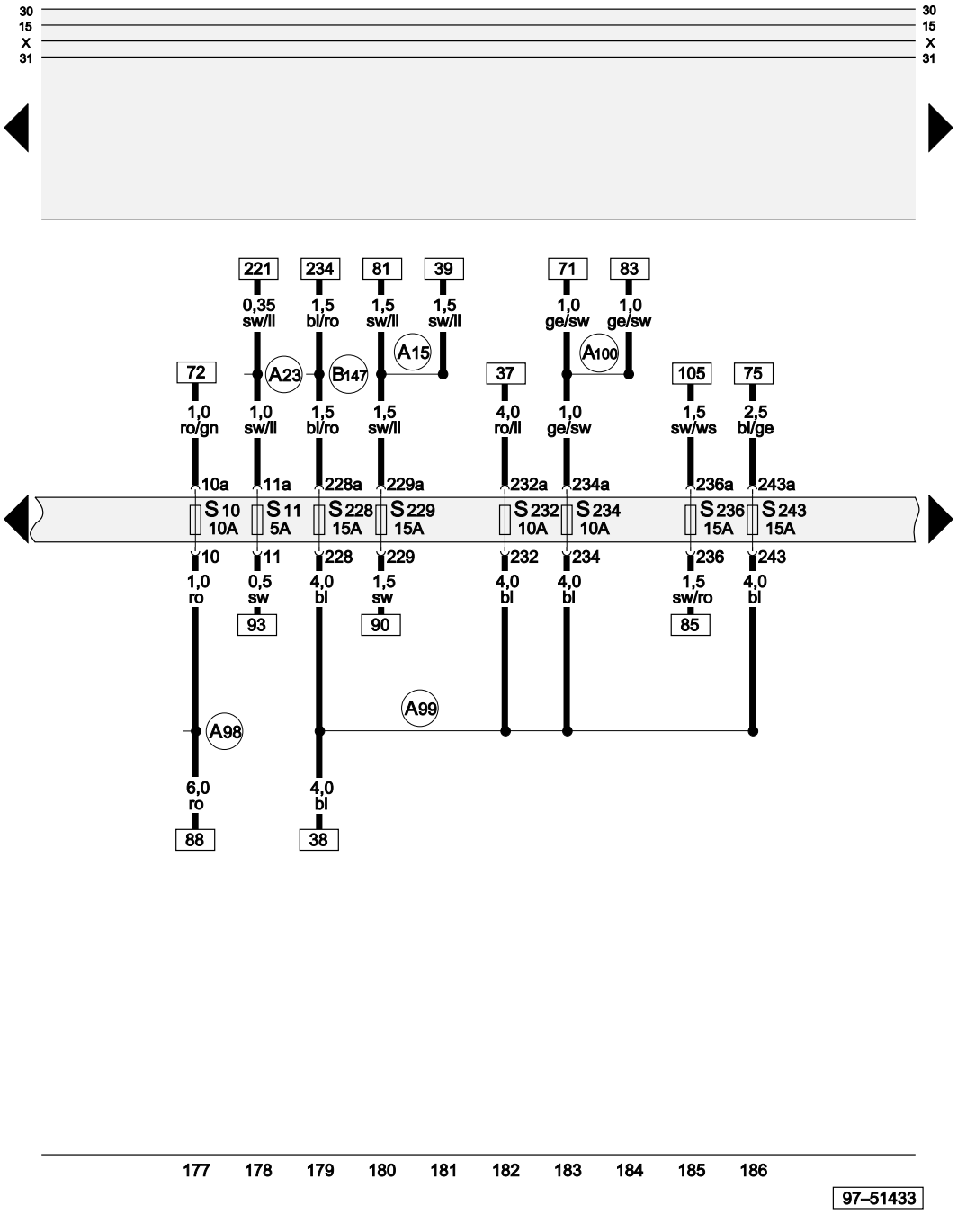


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Fuse box, headlights (not for 1.8 litre turbo-Motronic 154kW - S3)

L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M1	Side light bulb, left
M3	Side light bulb, right
T5	5-pin connector, headlight, right
T5b	5-pin connector, headlight, left
280	Earth connection -2-, in engine compartment 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

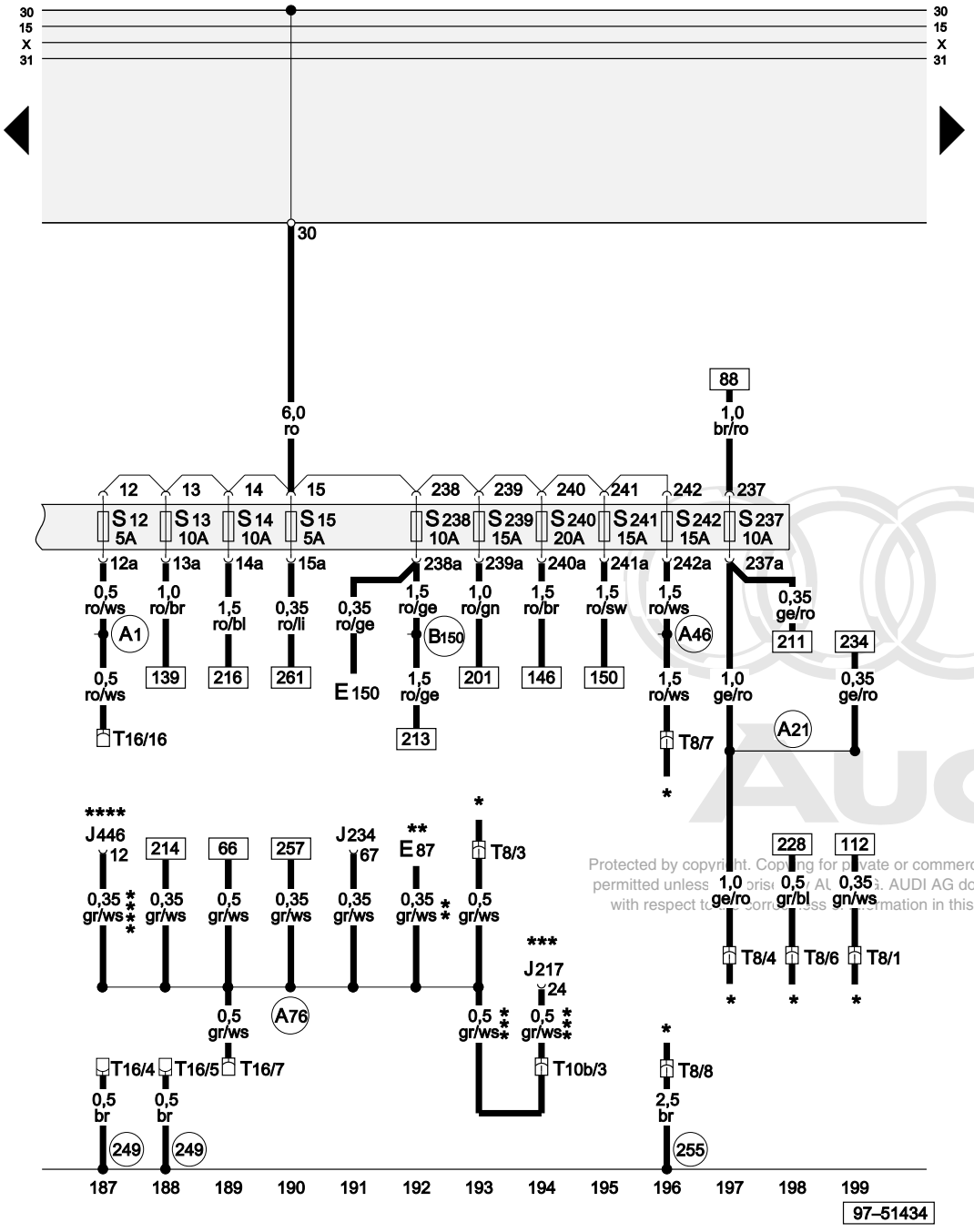


Fuse box

A15	Positive (+) connection (15), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A100	Connection -2- (87), in dash panel wiring harness
B147	Positive (+) connection -2- (87), in interior wiring harness

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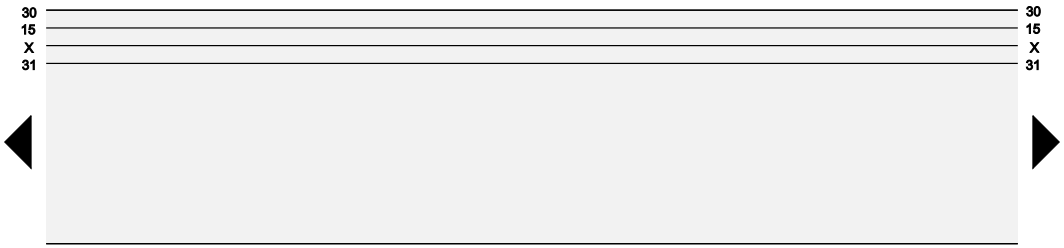


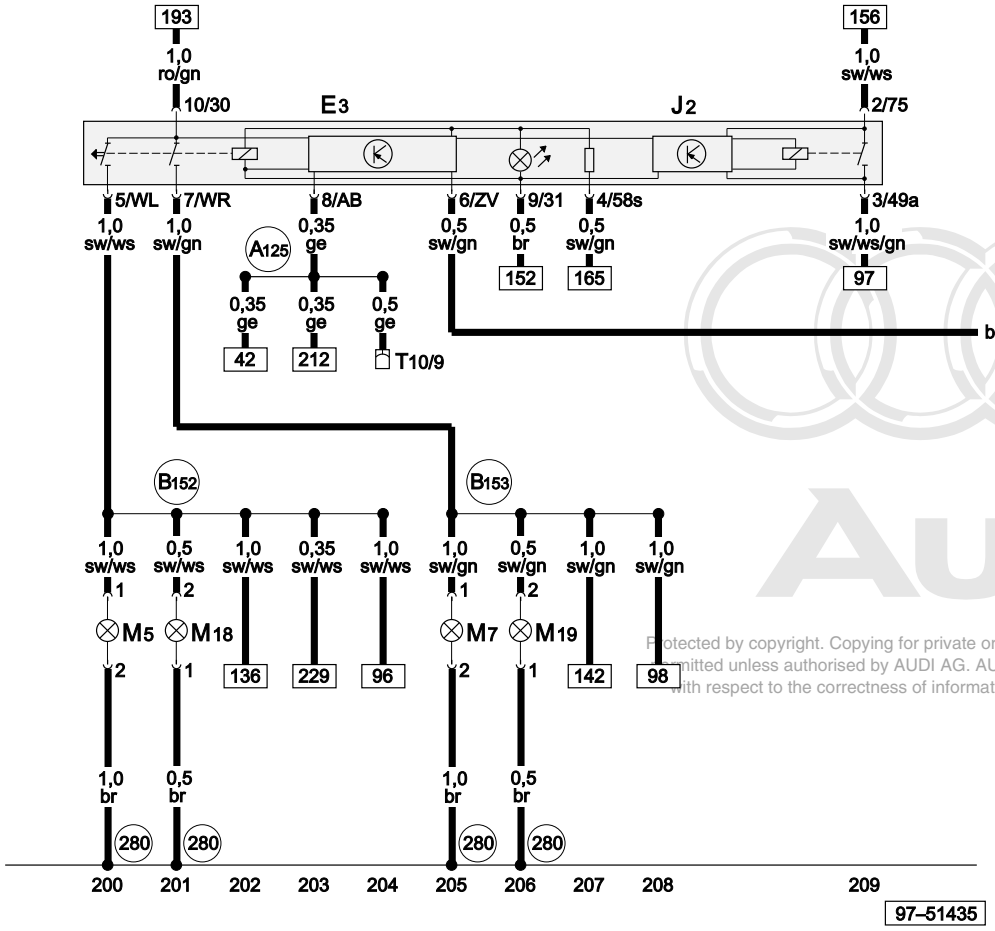
Fuse box, diagnostic connector, provision for radio

E87	Control and display unit for air conditioner
E150	Interior locking switch, driver's side
J217	Automatic gearbox control unit
J234	Airbag control unit
J446	Parking aid control unit
T8	8-pin connector, near radio
T10b	10-pin connector, grey, in plenum chamber
T16	16-pin connector, black, centre console compartment (diagnosis 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	Positive (+) connection (86s), in dash panel wiring harness
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B150	Positive (+) connection -2- (30a), in interior wiring harness
*	See applicable radio Current flow diagram
**	Only models with air conditioner
***	Only models with four speed automatic gearbox
****	Only models with parking aid

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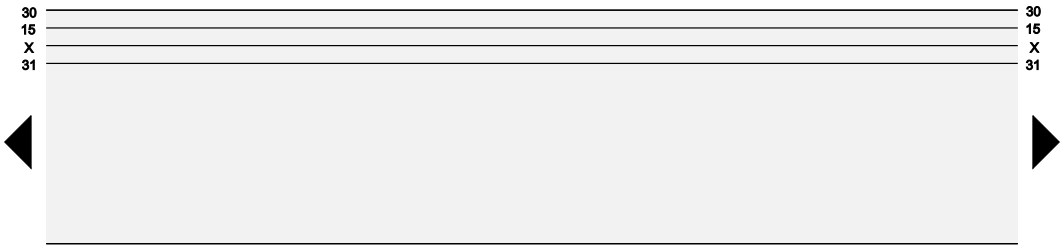


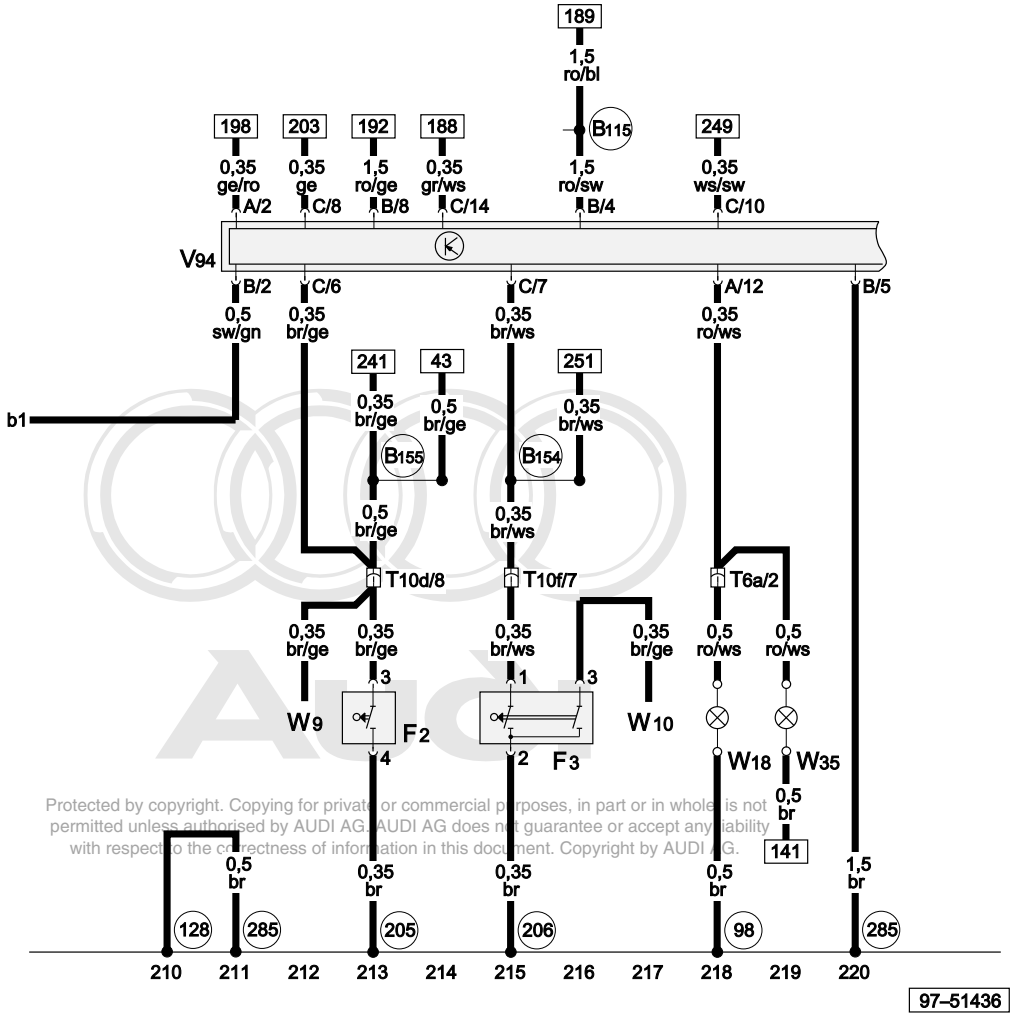
Turn signals and hazard warning lights

E3	Hazard warning light switch
J2	Hazard warning light relay
M5	Turn signal bulb, front left
M7	Turn signal bulb, front right
M18	Side turn signal bulb, left
M19	Side turn signal bulb, right
T10	10-pin connector, white, in plenum chamber
280	Earth connection -2-, in engine compartment wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B152	Connection (TSL), in interior wiring harness
B153	Connection (56b), in interior wiring harness

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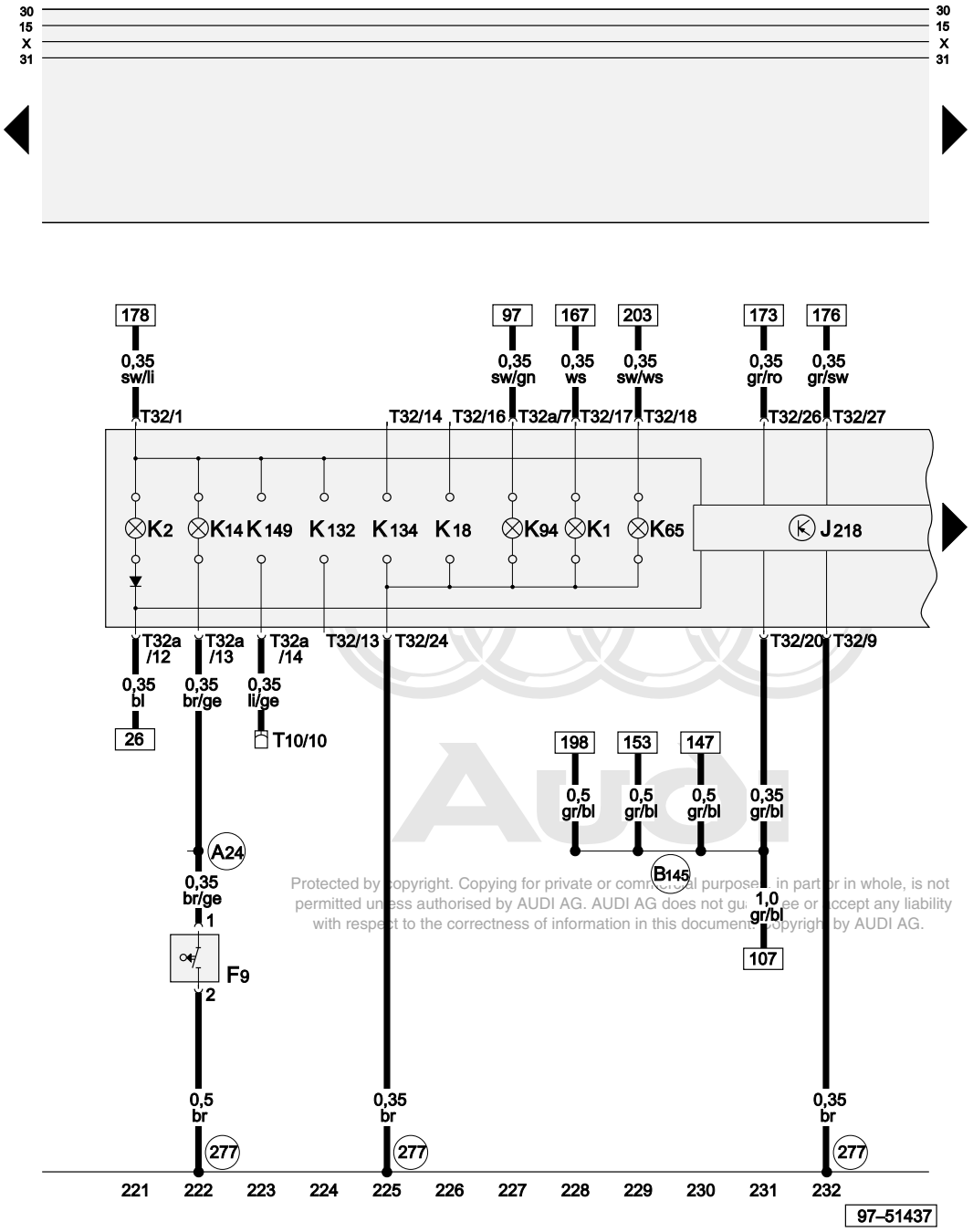


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Luggage compartment lights, door contact switch

F2	Door contact switch, driver's side
F3	Door contact switch, front passenger's side
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
W9	Left footwell light
W10	Right footwell light
W18	Luggage compartment light, left
W35	Luggage compartment light, right
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
285	Earth connection -7-, in interior wiring harness
B115	Positive (+) connection (30a), in interior wiring harness
B154	Connection -1- (DC), in interior wiring harness
B155	Connection -2- (DC), in interior wiring harness

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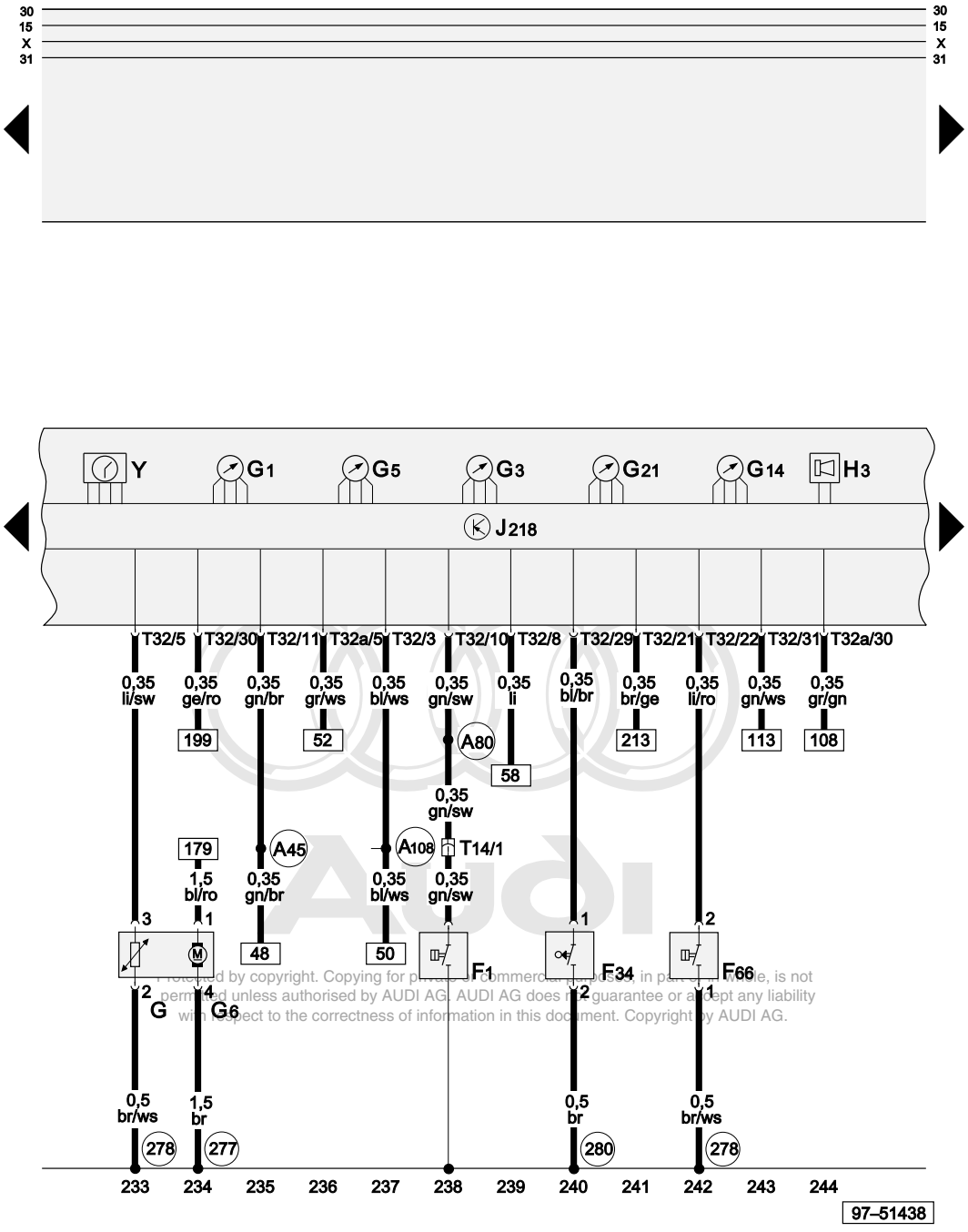


Dash panel insert, combi-processor in dash panel insert, handbrake warning

F9	Handbrake warning switch
218	Combi-processor in dash panel insert
K1	Main beam warning lamp
K2	Alternator warning lamp
K14	Handbrake warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
K132	Electronic power control fault lamp
K134	Self-levelling suspension warning lamp
K149	Engine electronics warning lamp
T10	10-pin connector, white, in plenum chamber
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
A24	Connection (brake system monitoring), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness

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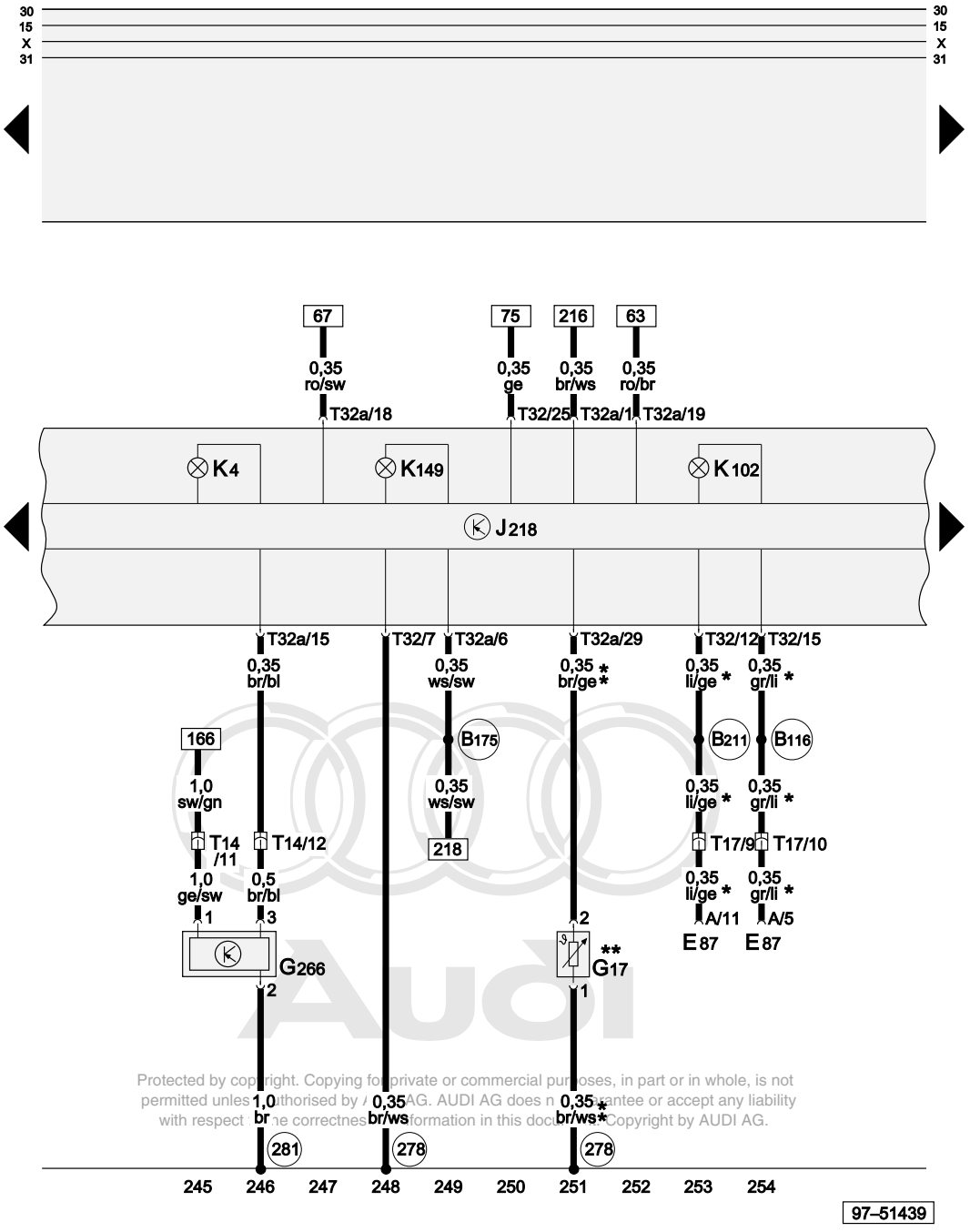


Dash panel insert, combi-processor in dash panel insert, rev. counter, speedometer, fuel gauge, fuel pump, coolant shortage indicator, oil pressure switch, analogue clock

F1	Oil pressure switch
F34	Brake fluid level warning contact
F66	Coolant shortage indicator switch
G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G5	Rev. counter
G6	Fuel pump
G14	Voltmeter
G21	Speedometer
H3	Buzzer/gong
J218	Combi-processor in dash panel insert
T14	14-pin connector, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
Y	Analogue clock
277	Earth connection -3-, in interior wiring harness
278	Earth connection -4-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A80	Connection -1- (X), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness

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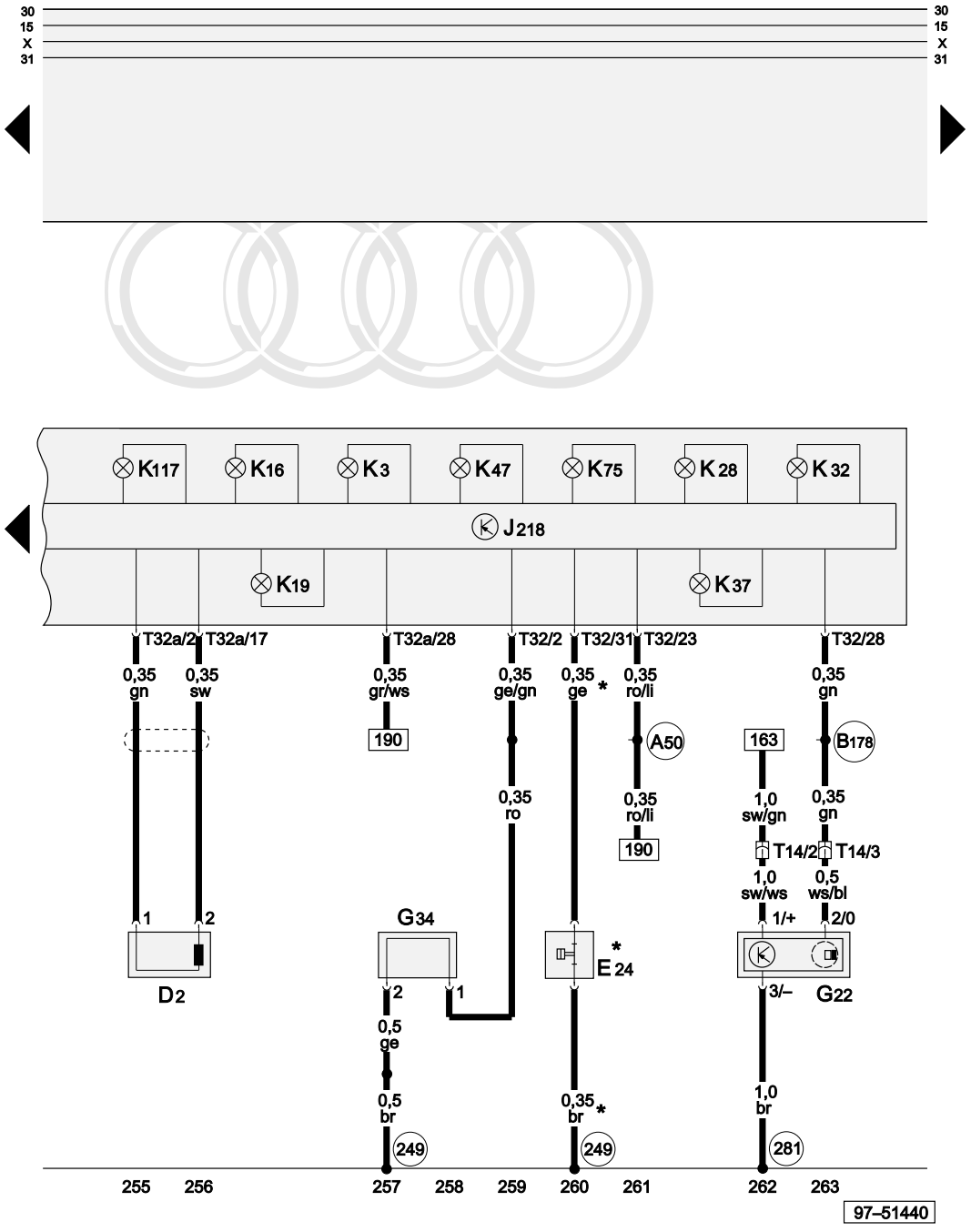


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Dash panel insert, combi-processor in dash panel insert, oil level/oil temperature sender, warning lamps

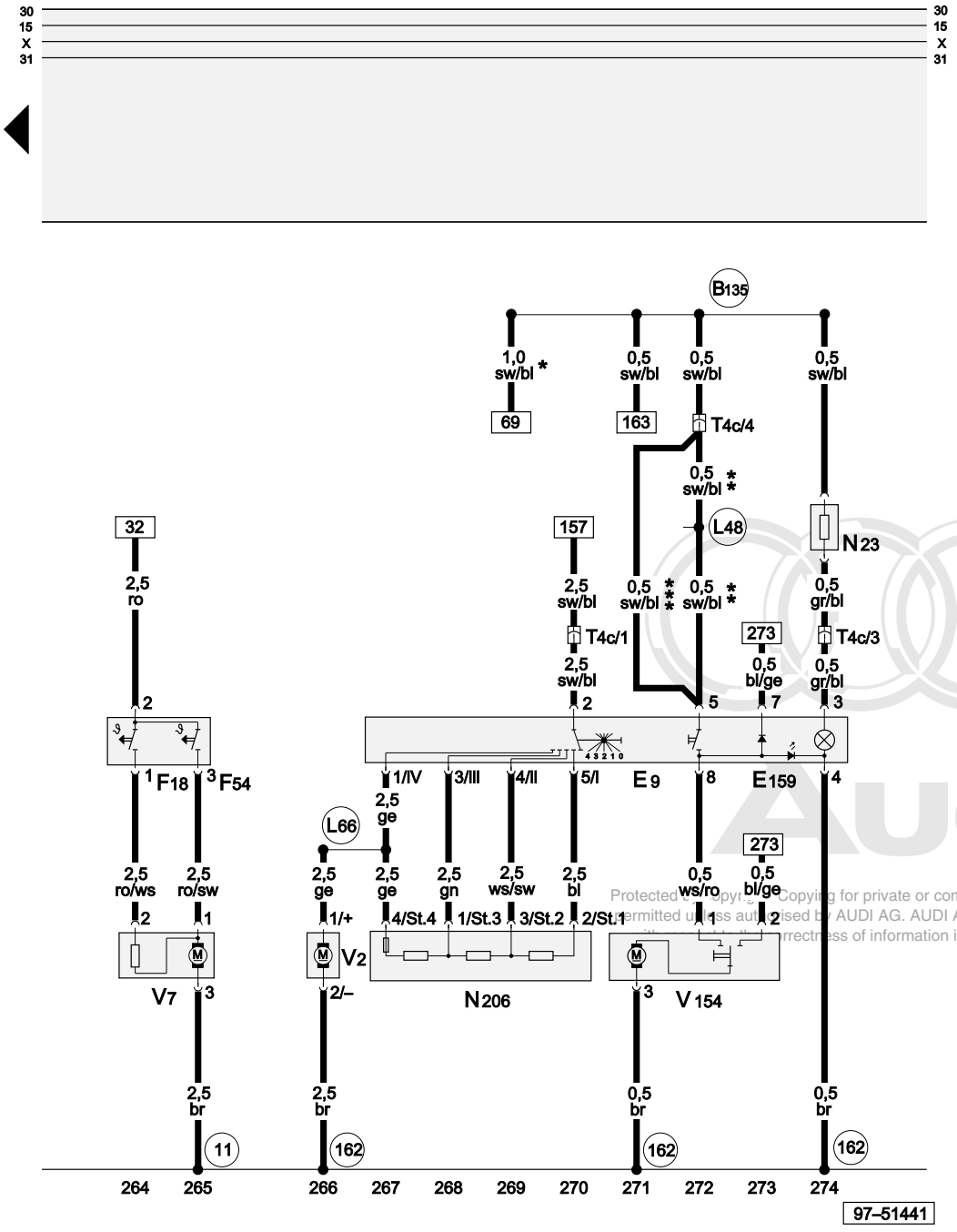
E87	Control and display unit for air conditioner
G17	Ambient temperature sensor
G266	Oil level thermo sender, service interval
J218	Combi-processor in dash panel insert
K4	Side light warning lamp
K102	Tailgate/boot lid closed warning lamp
K149	Engine electronics warning lamp
T14	14-pin connector, wiring duct, in engine compartment, left
T17	17-pin connector, black, behind dash panel, right
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
278	Earth connection -4-, in interior wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
B116	Connection (58d), in interior wiring harness
B175	Connection (central locking), in interior wiring harness
B211	Positive (+) connection -1- (Climatronic rear), in interior wiring harness
*	Only models with air conditioner
**	Only models with ambient temperature indicator



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Dash panel insert, combi-processor in dash panel insert, immobilizer reading coil, vehicle speed sender, warning lamps, belt warning

D2	Immobilizer reading coil
E24	Belt switch, driver's side
G22	Speedometer sender (Hall sender, on gearbox)
G34	Brake lining/pad wear sender, front left
J218	Combi-processor in dash panel insert
K3	Oil pressure warning lamp
K16	Reserve fuel warning lamp
K19	Seat belt warning system warning lamp
K28	Coolant temperature warning lamp
K32	Brake pad/lining warning lamp
K37	Windscreen washer fluid level warning lamp
K47	ABS warning lamp
K75	Airbag warning lamp
K117	Immobilizer warning lamp
T14	14-pin connector, wiring duct, in engine compartment, left
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
281	Earth connection -1-, in engine prewiring wiring harness
A50	Positive (+) connection (30as), in dash panel wiring harness
B178	Connection (speed signal), in interior wiring harness
*	Only models with belt warning



Radiator fan, fresh air blower

E9	Fresh air blower switch
E159	Fresh air/air recirculating flap switch
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
N23	Fresh air blower series resistor
N206	Warm air blower series resistor with overheating valve
T4c	4-pin connector, behind console
V2	Fresh air blower
V7	Radiator fan
V154	Fresh/recirculating air flap control motor
11	Earth point, in battery box
162	Earth connection, in blower motor wiring harness
B135	Connection (15a), in interior wiring harness
L48	Connection (15a), in heater (Thermotronic) controls wiring harness
L66	Connection, in heater blower wiring harness
*	Only models with manual gearbox
**	Applies to engine code APF only
***	Does not apply to engine code APF

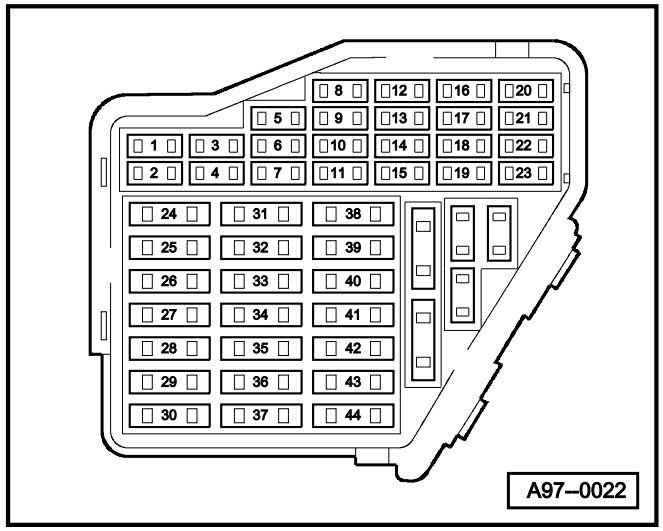
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Audi A3 (1,6 l litre fuel injection engine, 74 kW, Simos, 4-cylinder) engine codes AEH

From model year 2000

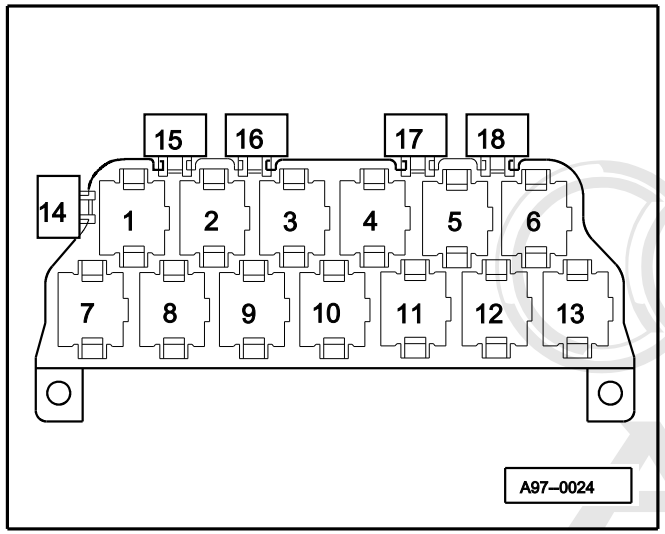
Fuse box:



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:

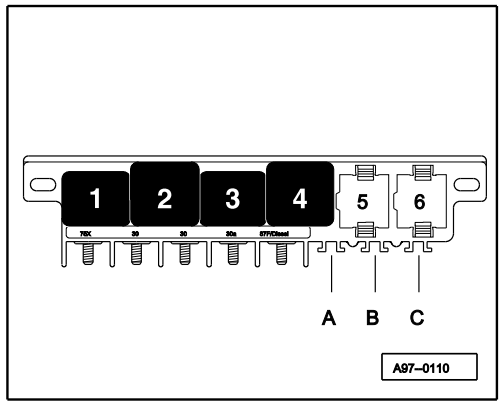
11 - Starter inhibitor and reversing light relay

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Fuse colours

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

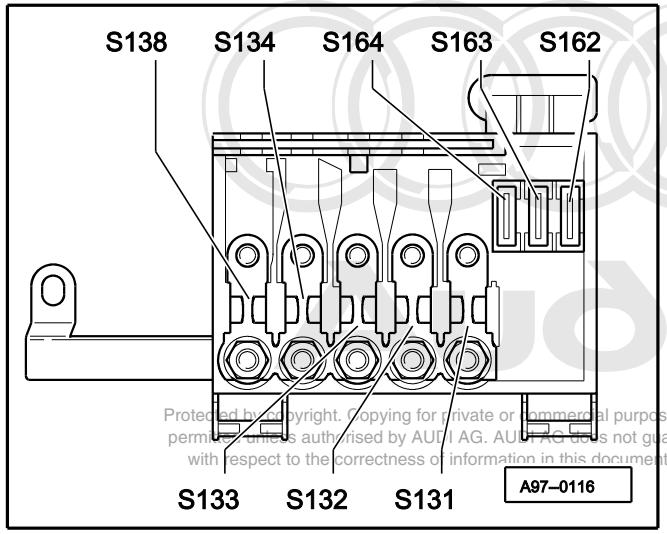
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

Main fuse box/battery:



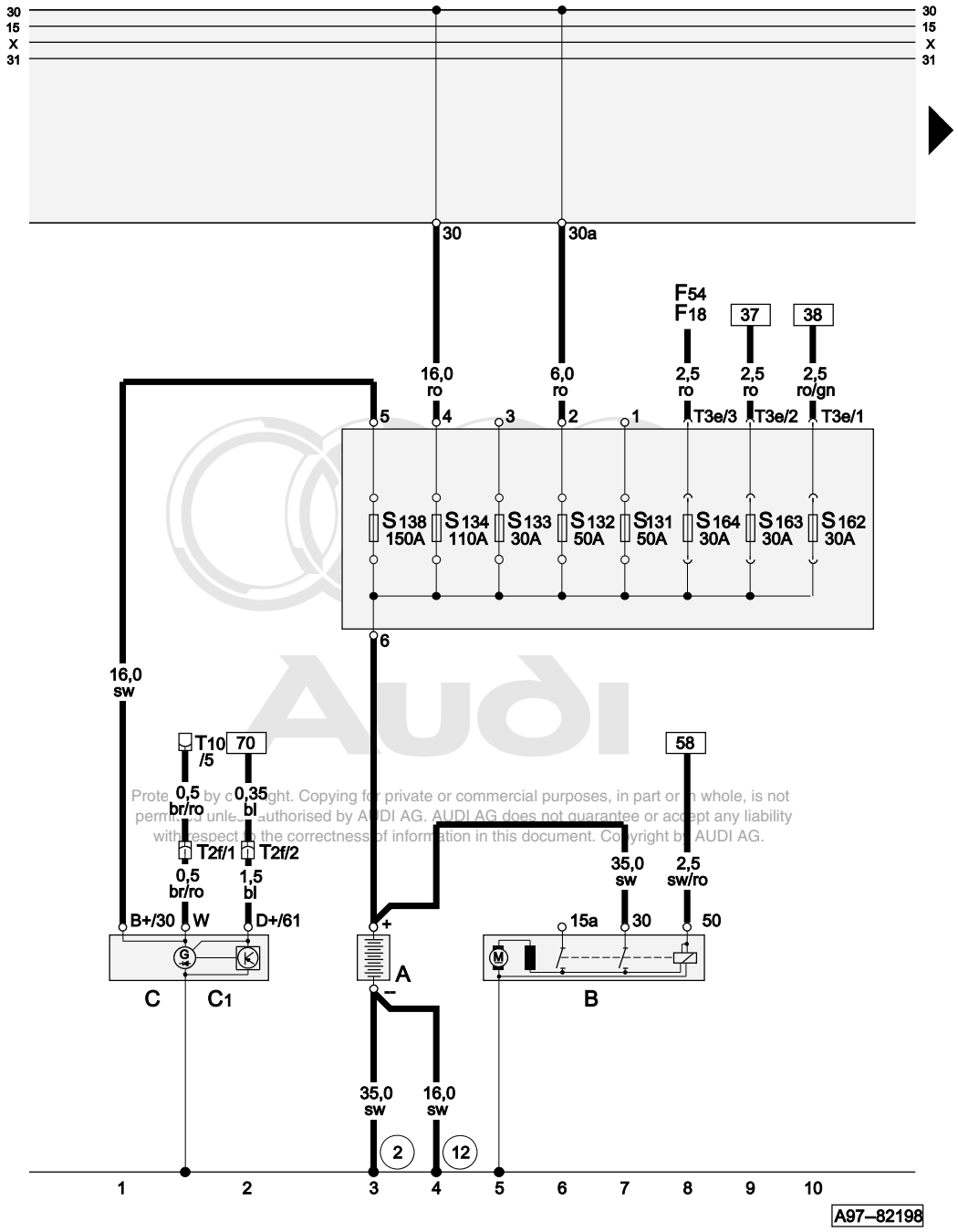
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Position of fuses:

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4

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

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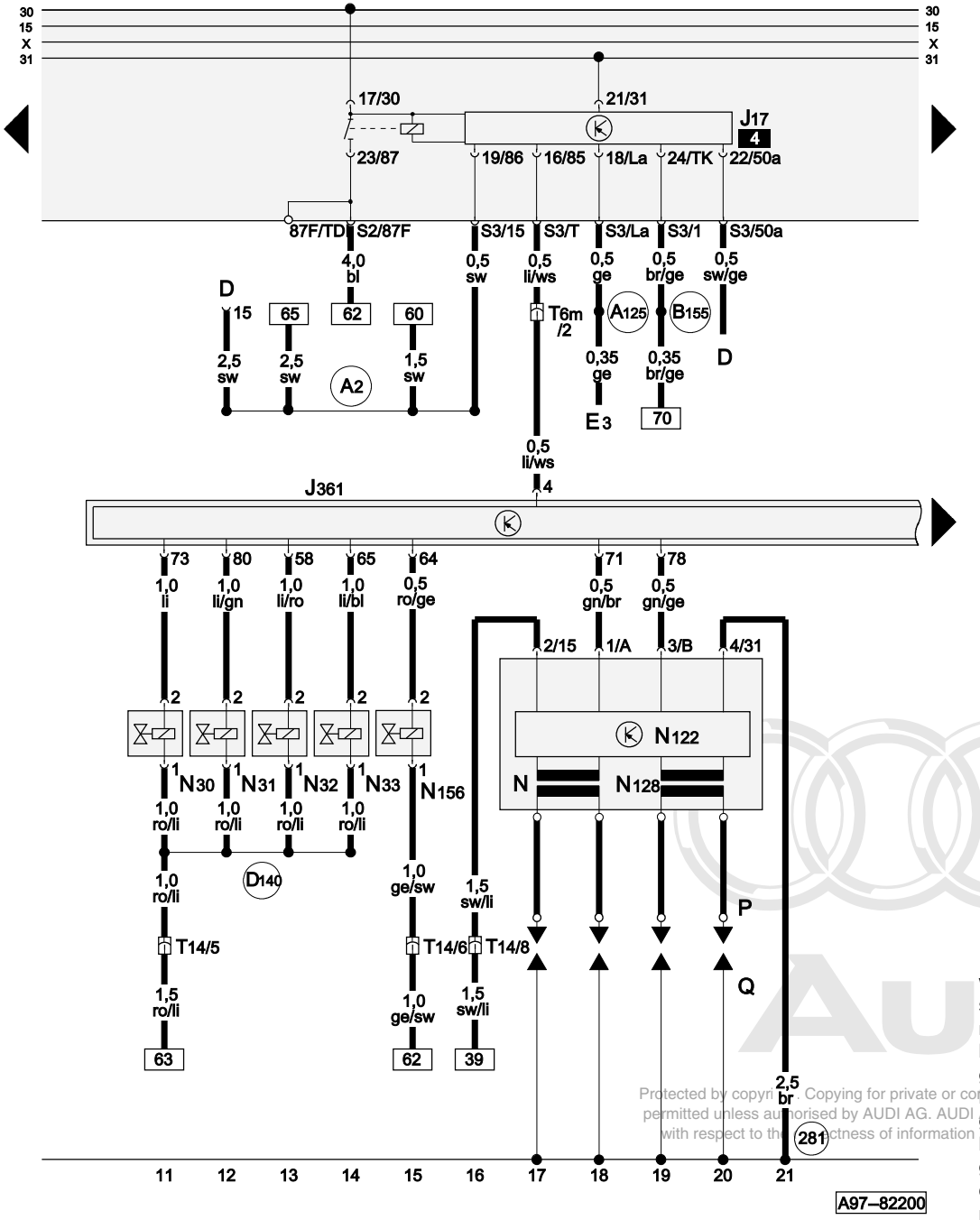


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Simos control unit, fuel pump relay, injectors, ignition system, intake manifold change-over valve

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
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	1 in fuse box/battery
S163	2 in fuse box/battery
S164	3 in fuse box/battery
T2f	2-pin connector, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T10	10-pin connector, white, in plenum chamber
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left

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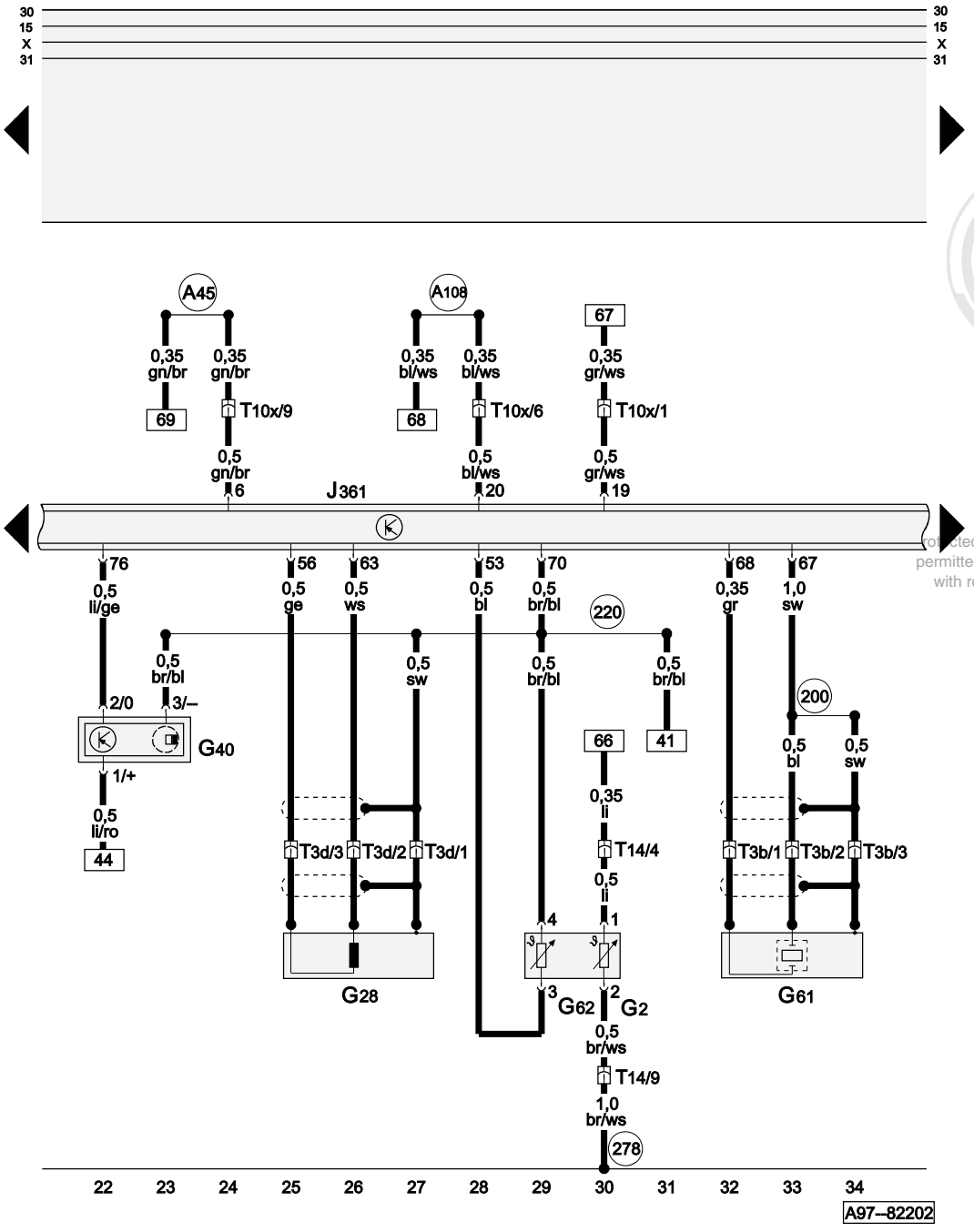


Simos control unit, knock sensor, engine speed sender, coolant temperature senders, Hall sender

D	Ignition/starter switch
E3	Hazard warning light switch
J17	Fuel pump relay
J361	Simos control unit
N	Ignition coil 1
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N122	Final output stage
N128	Ignition coil 2
N156	Intake manifold change-over valve
P	Spark plug connector
Q	Spark plugs
T6m	6-pin connector, brown, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A2	Positive (+) connection (15), 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

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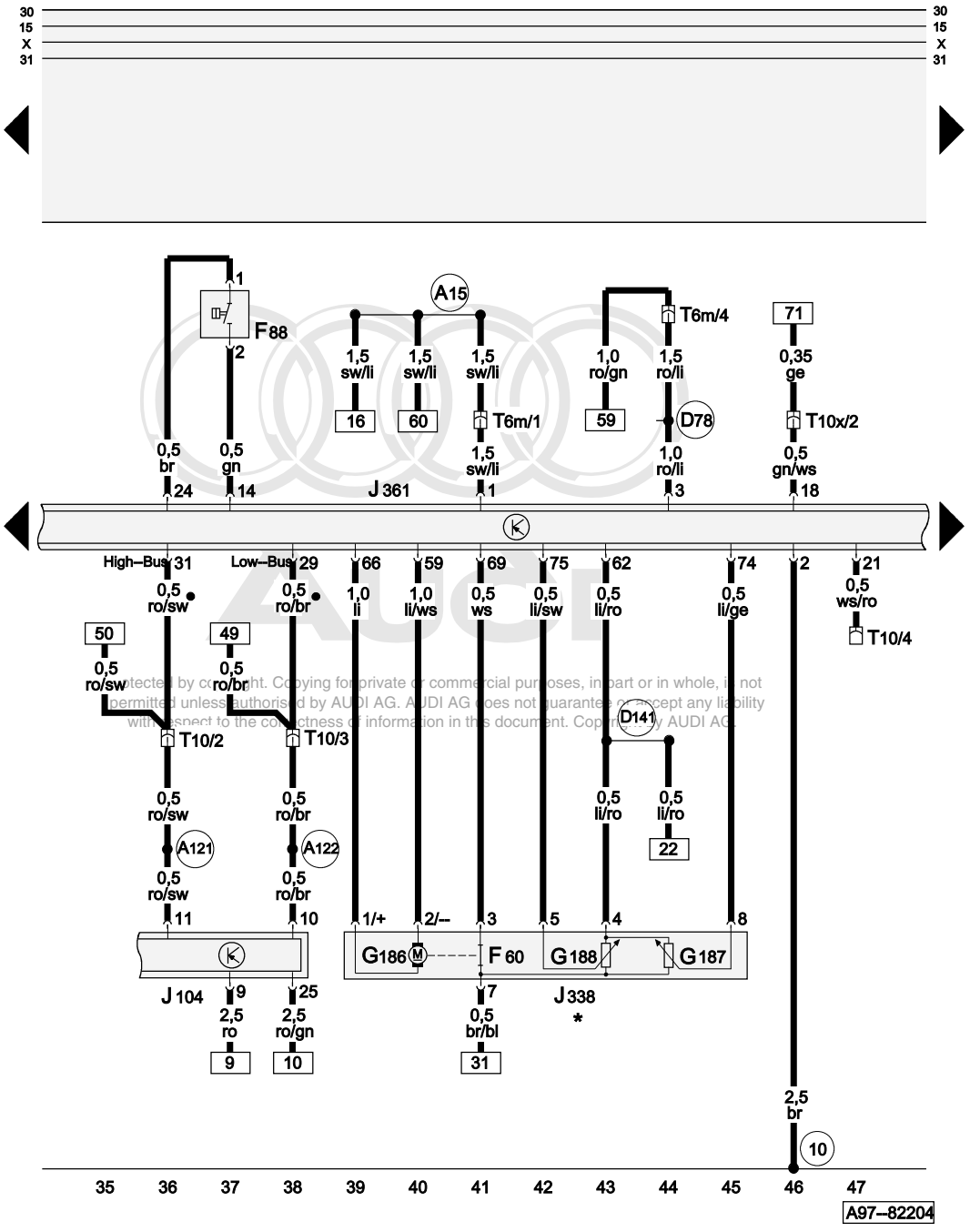


Simos control unit, throttle valve control unit, power steering pressure switch

G2	Coolant temperature sender
G28	Engine speed sender
G40	Hall sender
G61	Knock sensor 1
G62	Coolant temperature sender
J361	Simos control unit
T3b	3-pin connector, blue, in engine compartment
T3d	3-pin connector, white, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
200	Earth connection (screening), in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
278	Earth connection -4-, in interior wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness

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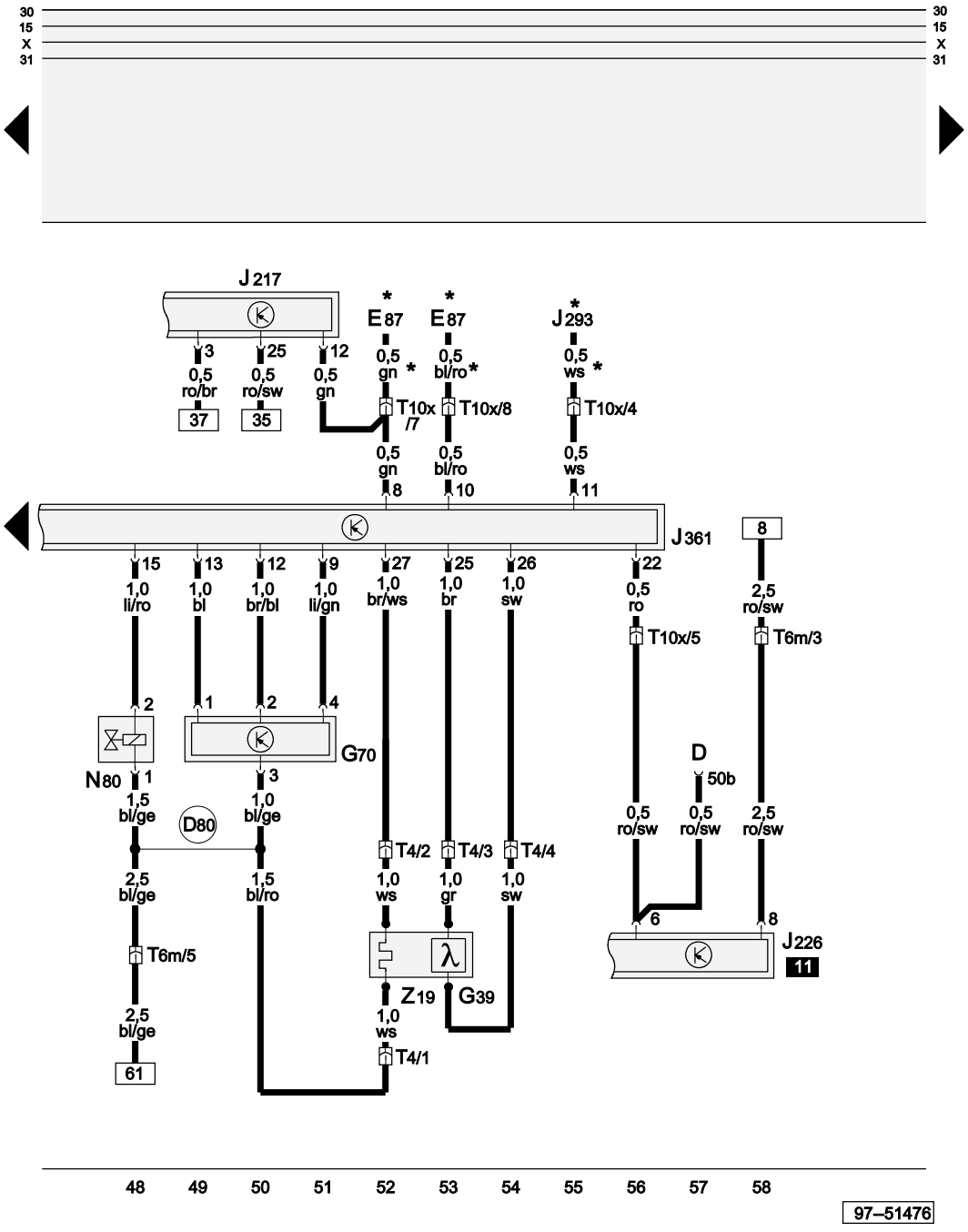


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Simos control unit, lambda probe, air mass meter, activated charcoal filter system solenoid valve

F60	Idling switch
F88	Power assisted steering pressure switch
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J338	Throttle valve control unit
J361	Simos control unit
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
10	Earth point, in plenum chamber
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
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Wiring of connections on models without cruise control system
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	Wiring of connections on models with cruise control system, see applicable Current Flow Diagram: Cruise control system
•	CAN bus (data wires)

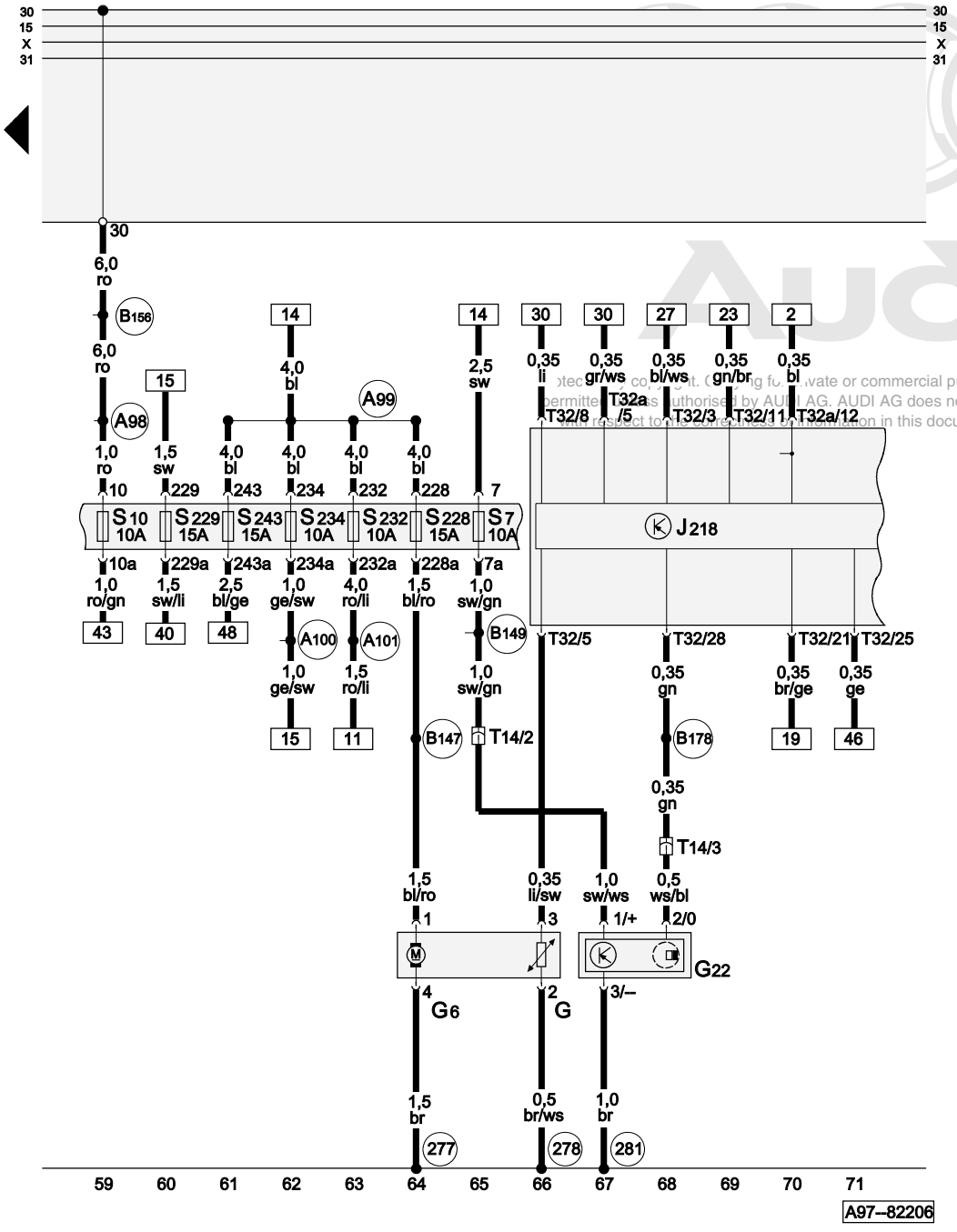


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Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender

D	Ignition/starter switch
E87	Control and display unit for air conditioner
G39	Lambda probe
G70	Air mass meter
J217	Automatic gearbox control unit
J226	Starter inhibitor and reversing light relay
J293	Radiator fan control unit
J361	Simos control unit
N80	Activated charcoal filter system solenoid valve 1
T4	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
(D80)	Positive (+) connection (87a), in engine compartment wiring harness
*	Only models with air conditioner

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Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender

G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
T14	14-pin connector, wiring duct, in engine compartment, left
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
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
A99	Connection -1- (87), in dash panel wiring harness
A100	Connection -2- (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
B156	Positive (+) connection -4- (30a), in interior wiring harness
B178	Connection (speed signal), in interior wiring harness

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Audi A3 (1.9 litre turbo- diesel engine, 66 kW, TDI, 4- cylinder), engine codes AGR/ALH Audi A3 (1.9 litre turbo- diesel engine, 81 kW, TDI, 4- cylinder), engine codes AHF/ASV

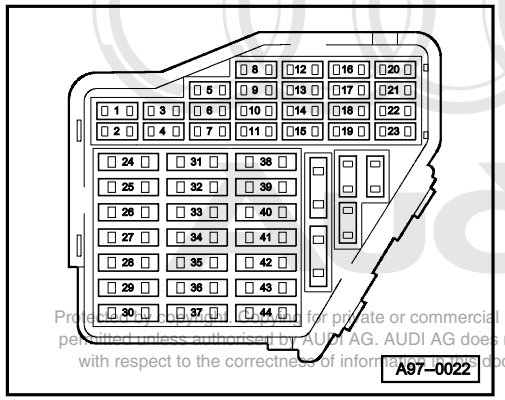
From model year 2000

Audi A3 (1.9 litre turbo- diesel engine, 66 kW, TDI, 4- cylinder), engine codes AGR, From model year 2000

Audi A3 (1.9 litre turbo- diesel engine, 81 kW, TDI, 4- cylinder), engine codes ASV, From model year 2000

Audi A3 (1.9 litre turbo- diesel engine, 81 kW, TDI, 4- cylinder), engine codes AHF, From model year 2000

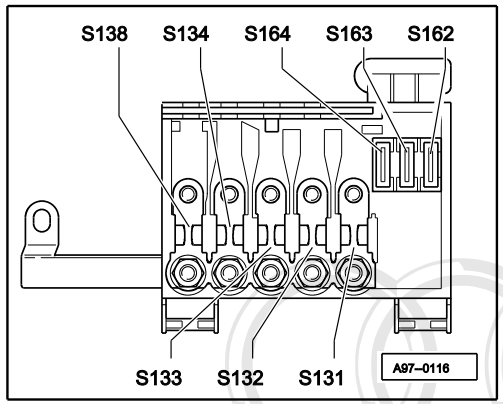
Fuse box:



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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.

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 box/battery
S163 - 2 in fuse box/battery
S164 - 3 in fuse box/battery
S133 - S132

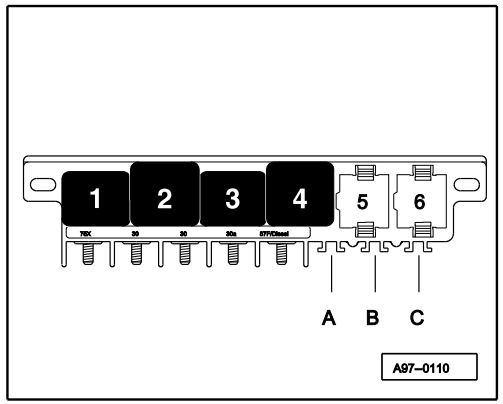
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S131

Fuse colours:

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

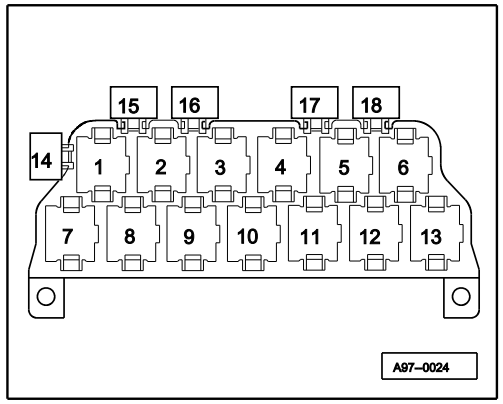
Micro-central electrics:



Position of relays:

4 - Relay for glow plugs

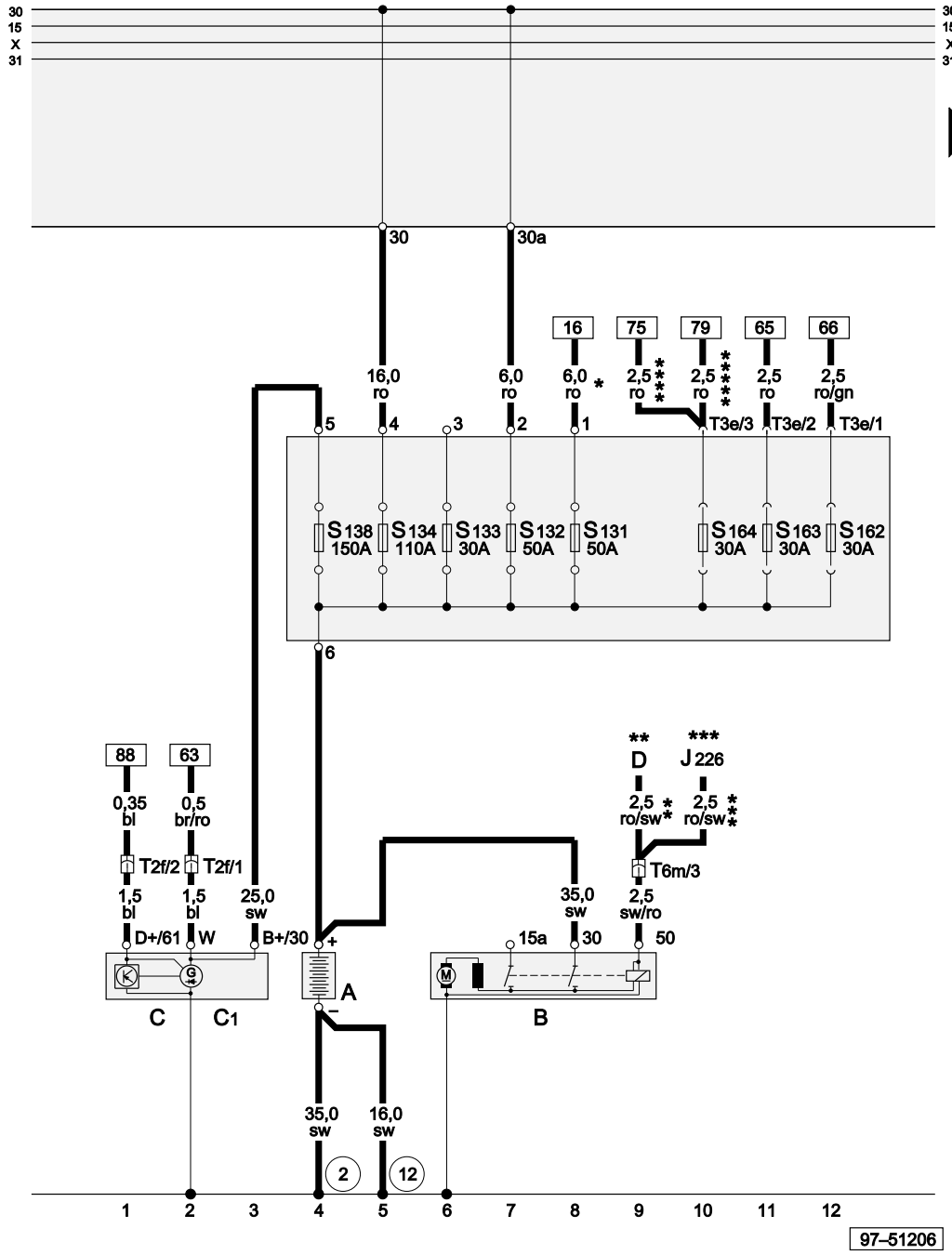
13-point relay carrier:



Position of relays:

12 - Diesel direct injection system relay
13 - Radiator fan run-on relay

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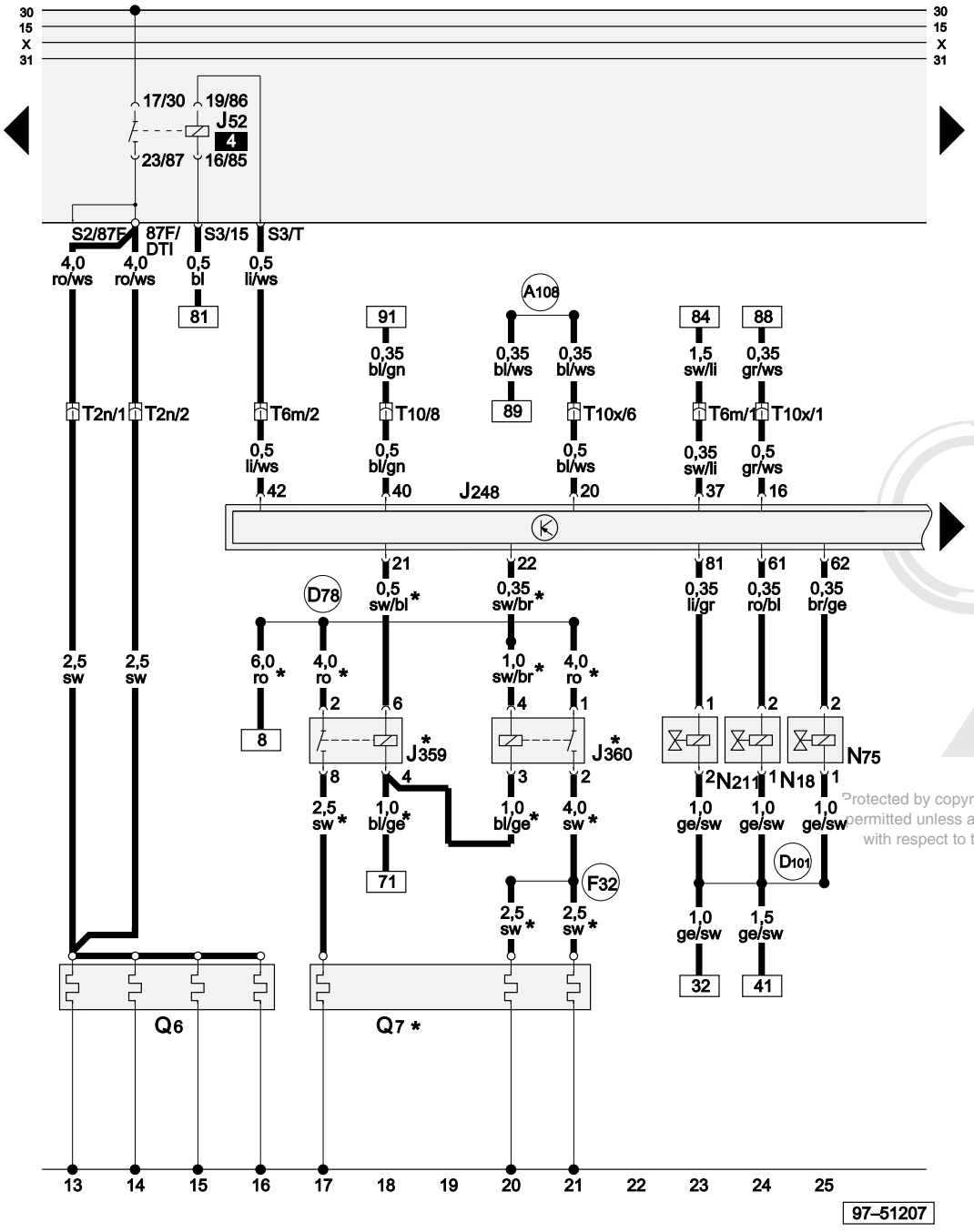


Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J226	Starter inhibitor and reversing light relay
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
T6m	6-pin connector, brown, in plenum chamber
(2)	Earth strap, gearbox - body
(12)	Earth point, in engine compartment, left
*	Only for heated pin heating (manual gearbox)
**	Only models with manual gearbox
***	Only models with automatic gearbox
****	Only with 1.9 litre-TDI 81 kW
*****	Only with 1.9 litre-TDI 66 kW

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rs	=	pink

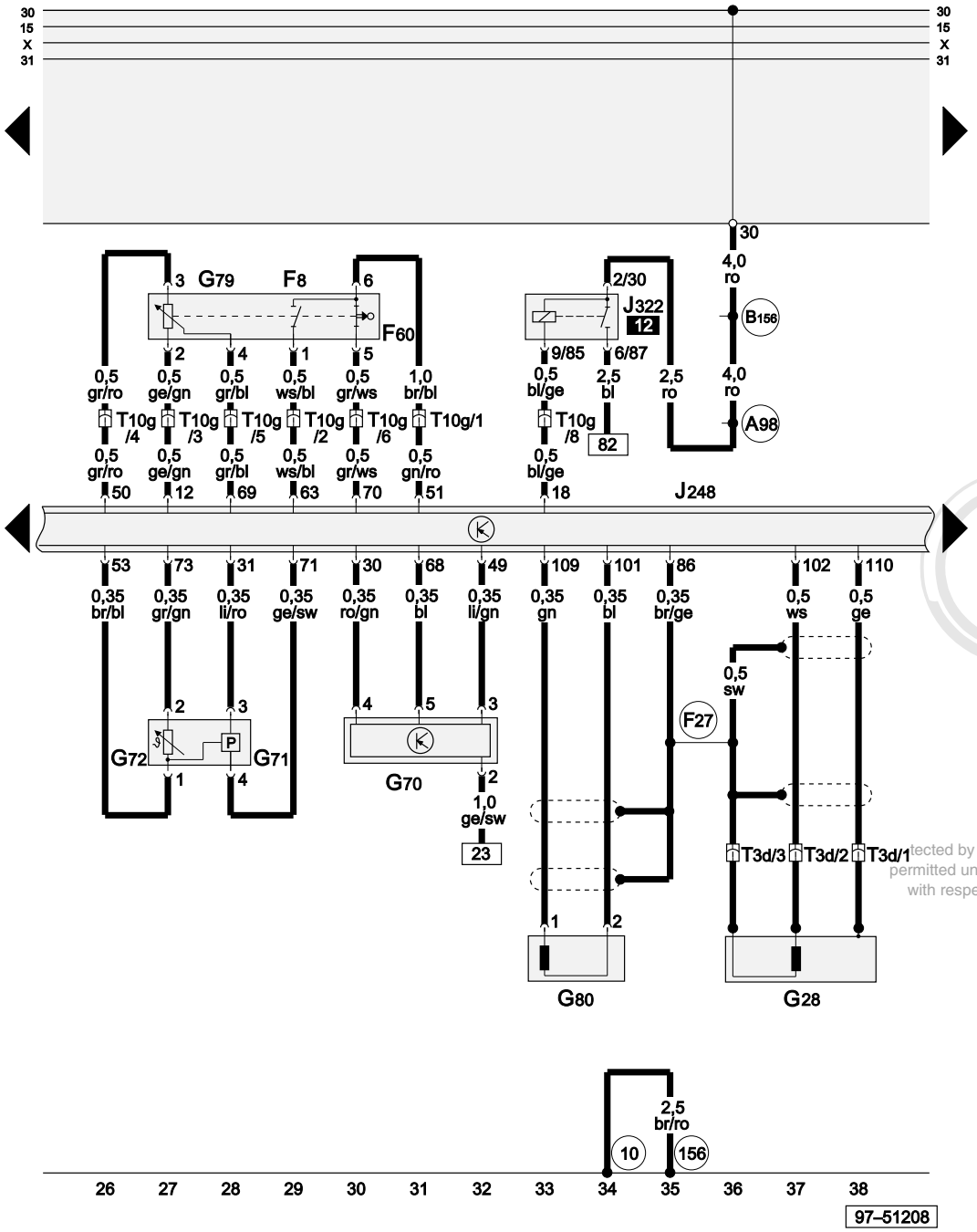


Diesel direct injection system control unit, (glow plugs - engine), glow plug relay, glow plugs (coolant), exhaust gas recirculation valve, charge pressure control solenoid valve

J52	Glow plug relay
J248	Diesel direct injection system control unit
J359	Low heat output relay
J360	High heat output relay
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N211	Throttle butterfly valve
Q6	Glow plugs (engine)
Q7	Glow plugs (coolant)
T2n	2-pin connector, wiring duct, in engine compartment, left
T6m	6-pin connector, brown, in plenum chamber
T10	10-pin connector, white, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
A108	Connection (speed signal), in dash panel wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
D101	Connection -1-, in engine compartment wiring harness
F32	Connection (glow plugs - coolant), in diesel direct injection system wiring harness
*	Only for heated pin heating (manual gearbox)

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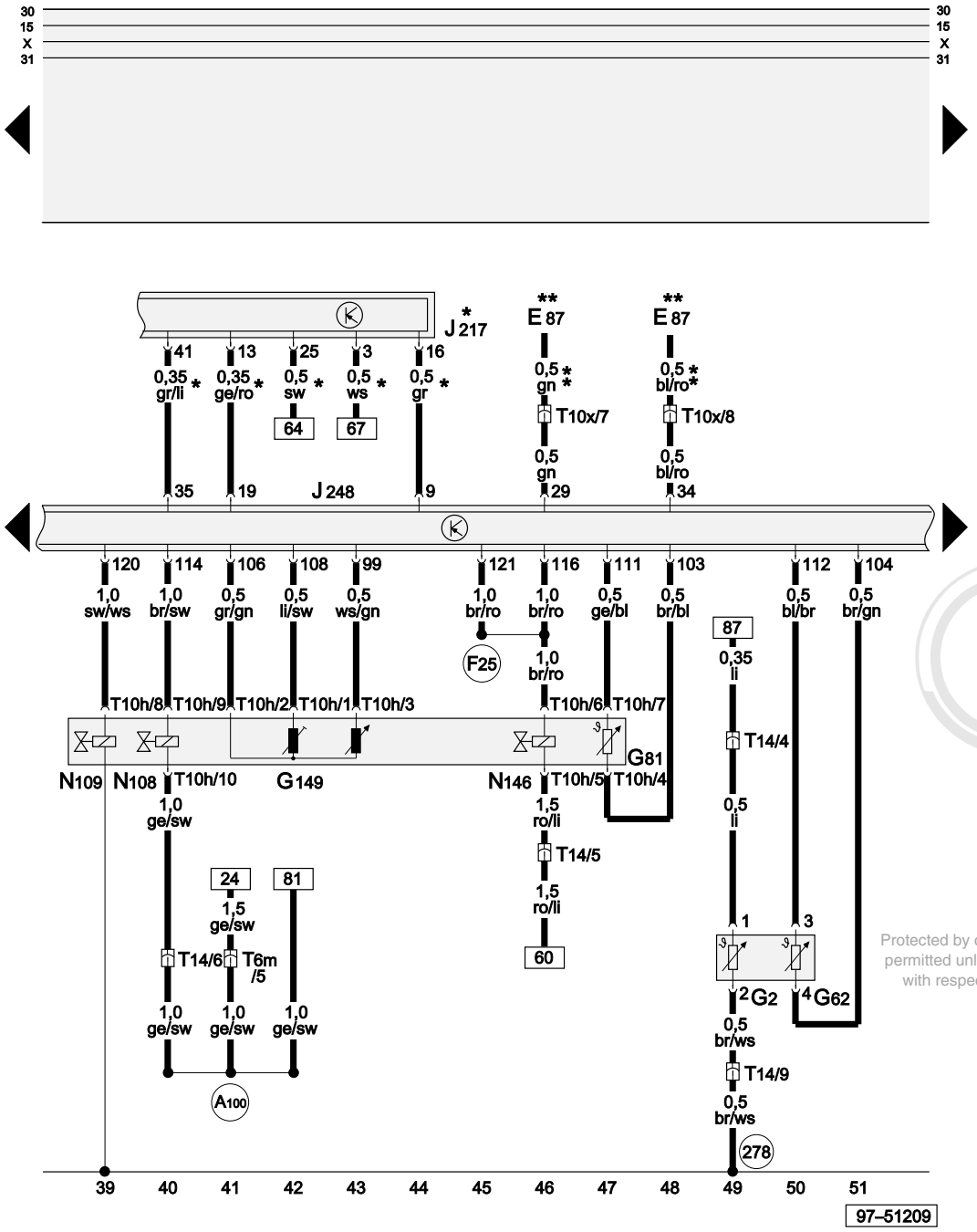


Diesel direct injection system control unit, air mass meter, diesel direct injection system relay, intake manifold temperature sender, accelerator pedal position sender, engine speed sender

F8	Kick-down switch
F60	Idling switch
G28	Engine speed sender
G70	Air mass meter
G71	Intake manifold pressure sender
G72	Intake manifold temperature sender
G79	Accelerator pedal position sender
G80	Needle lift sender
J248	Diesel direct injection system control unit
J322	Diesel direct injection system relay
T3d	3-pin connector, black, in engine compartment
T10g	10-pin connector, blue, in plenum chamber
10	Earth point, 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 -4- (30), in interior wiring harness
F27	Connection (screening), in diesel direct injection system wiring harness

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rs	=	pink

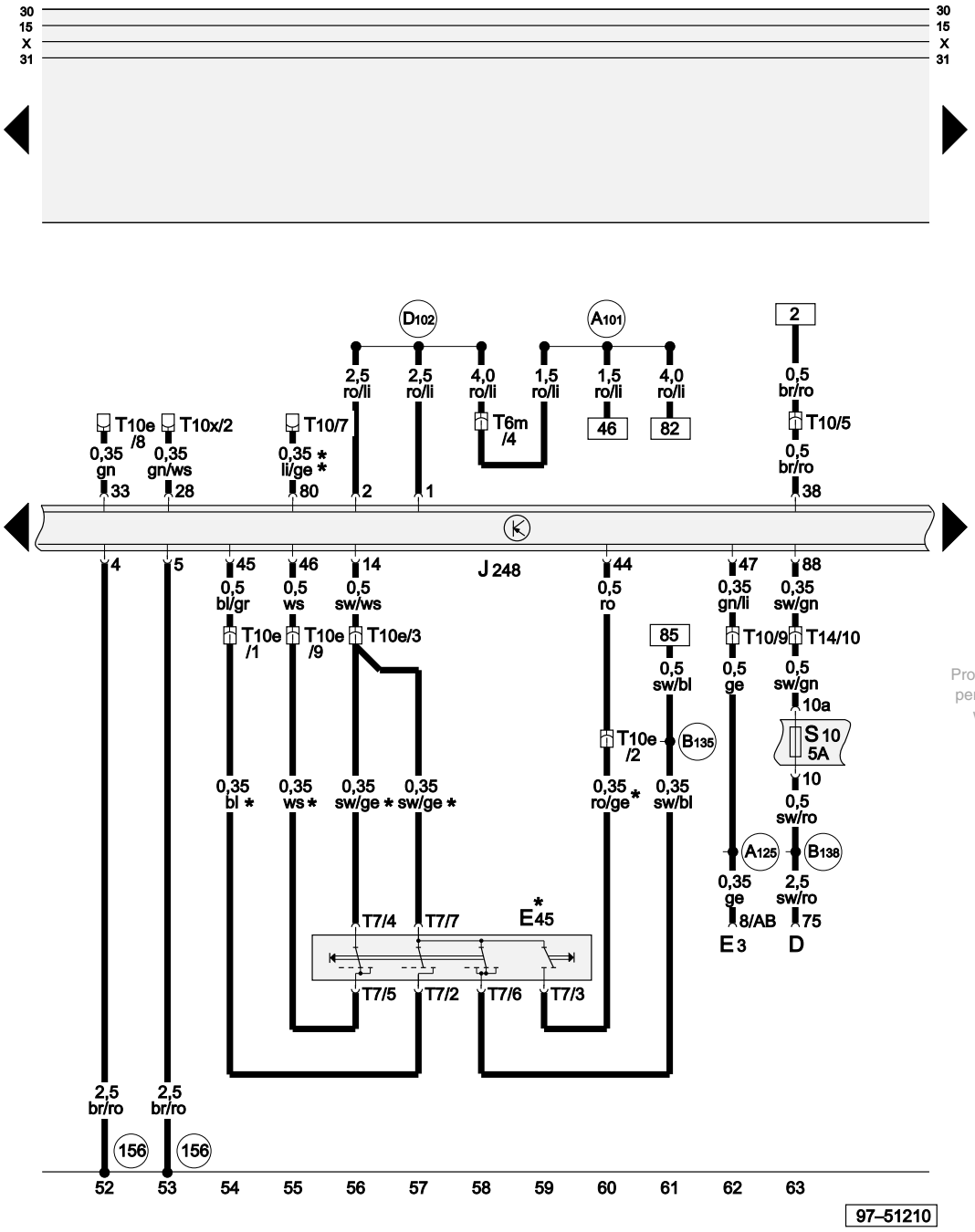


Diesel direct injection system control unit, coolant temperature senders, modulating piston movement sender

E87	Control and display unit for air conditioner
G2	Coolant temperature sender
G62	Coolant temperature sender
G81	Fuel temperature sender
G149	Modulating piston movement sender
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
N108	Commencement of injection valve
N109	Fuel shut-off valve
N146	Metering adjuster
T6m	6-pin connector, brown, in plenum chamber
T10h	10-pin connector, black, centre in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
281	Earth connection -1-, in engine prewiring wiring harness
A100	Connection -2- (87), in dash panel wiring harness
F25	Connection -1-, in diesel direct injection system wiring harness
*	Only models with automatic gearbox
**	Only models with air conditioner

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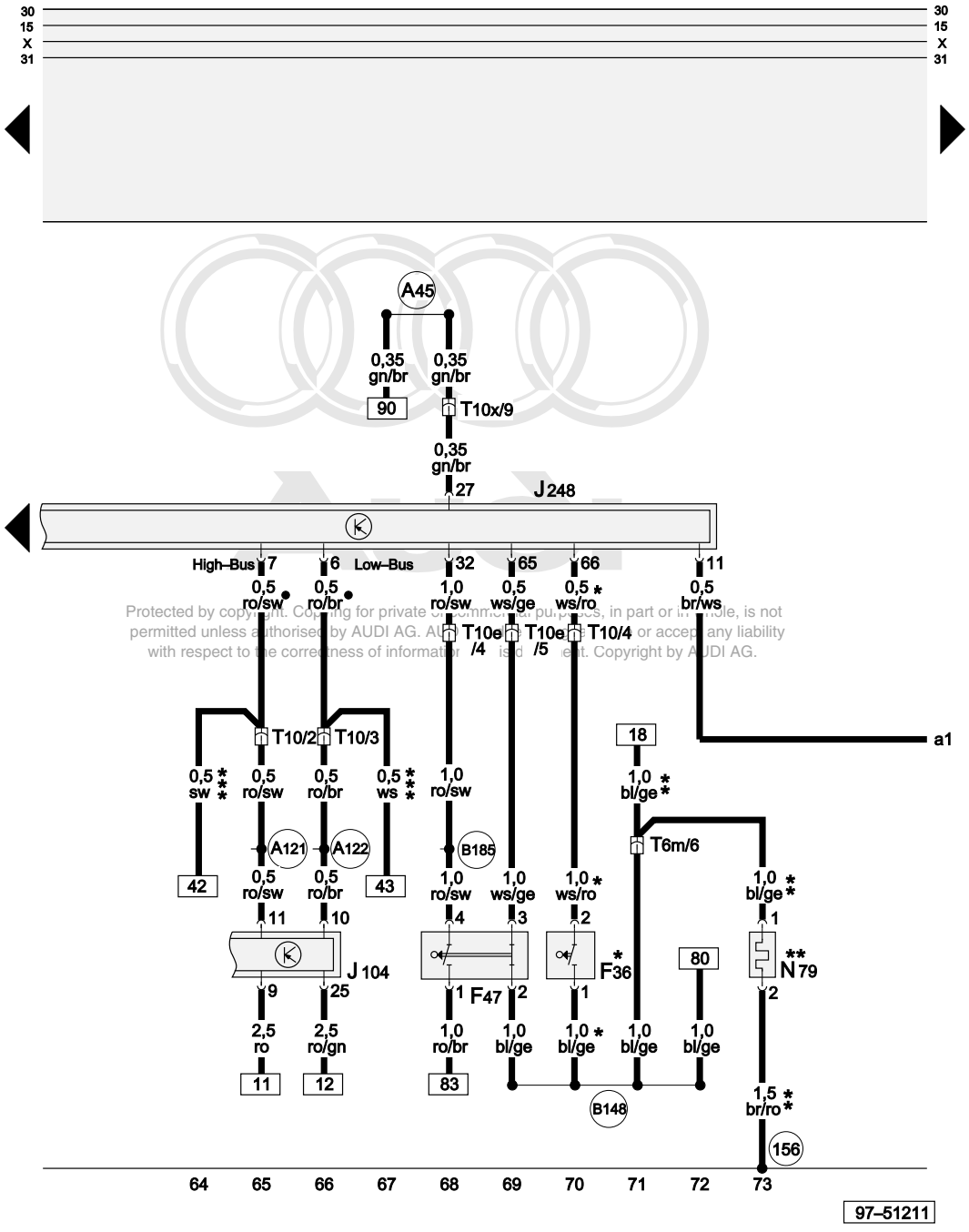


Diesel direct injection system control unit, cruise control system switch

D	Ignition/starter switch
E3	Hazard warning light switch
E45	Cruise control system switch
J248	Diesel direct injection system control unit
T6m	6-pin connector, brown, in plenum chamber
T7	7-pin connector, behind steering column switch trim
T10	10-pin connector, white, in plenum chamber
T10e	10-pin connector, black, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
156	Earth connection, in diesel direct injection wiring harness
A101	Connection -3- (87), in dash panel wiring harness
A125	Connection (crash signal), in dash panel wiring harness
B135	Positive (+) connection (15a), in interior wiring harness
B138	Positive (+) connection (X), in interior wiring harness
D102	Connection -2-, in engine compartment wiring harness
*	Only models with cruise control system
**	Only with 1.9 litre-TDI 81 kW

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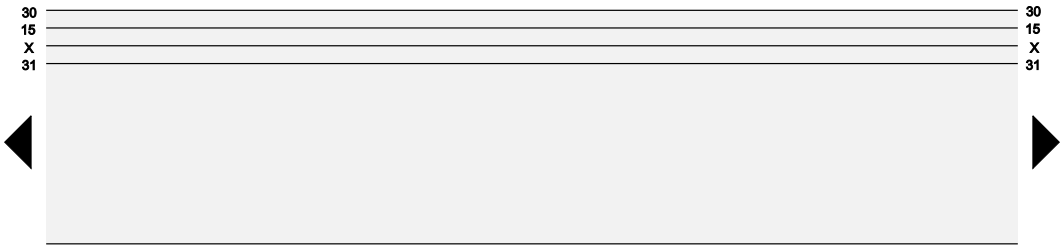


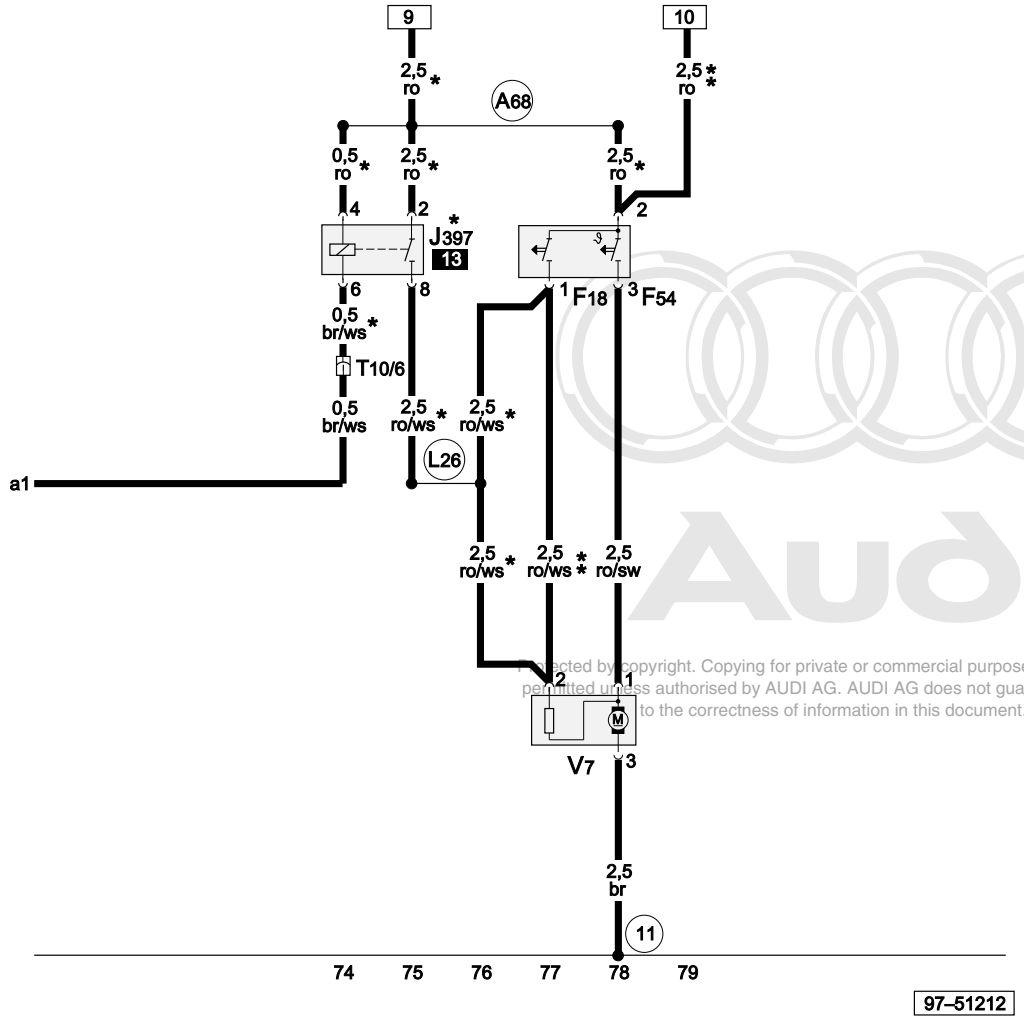
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Diesel direct injection system control unit, brake pedal switch, clutch pedal switch

F36	Clutch pedal switch
F47	Brake pedal switch for diesel direct inj. system
J104	ABS with EDL control unit
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
A45	Connection (engine speed signal), in dash panel wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), 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 manual gearbox
**	Only for heated pin heating (manual gearbox) and export versions (nordic countries)
***	Only models with automatic gearbox
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	CAN bus (data wire)





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Radiator fan

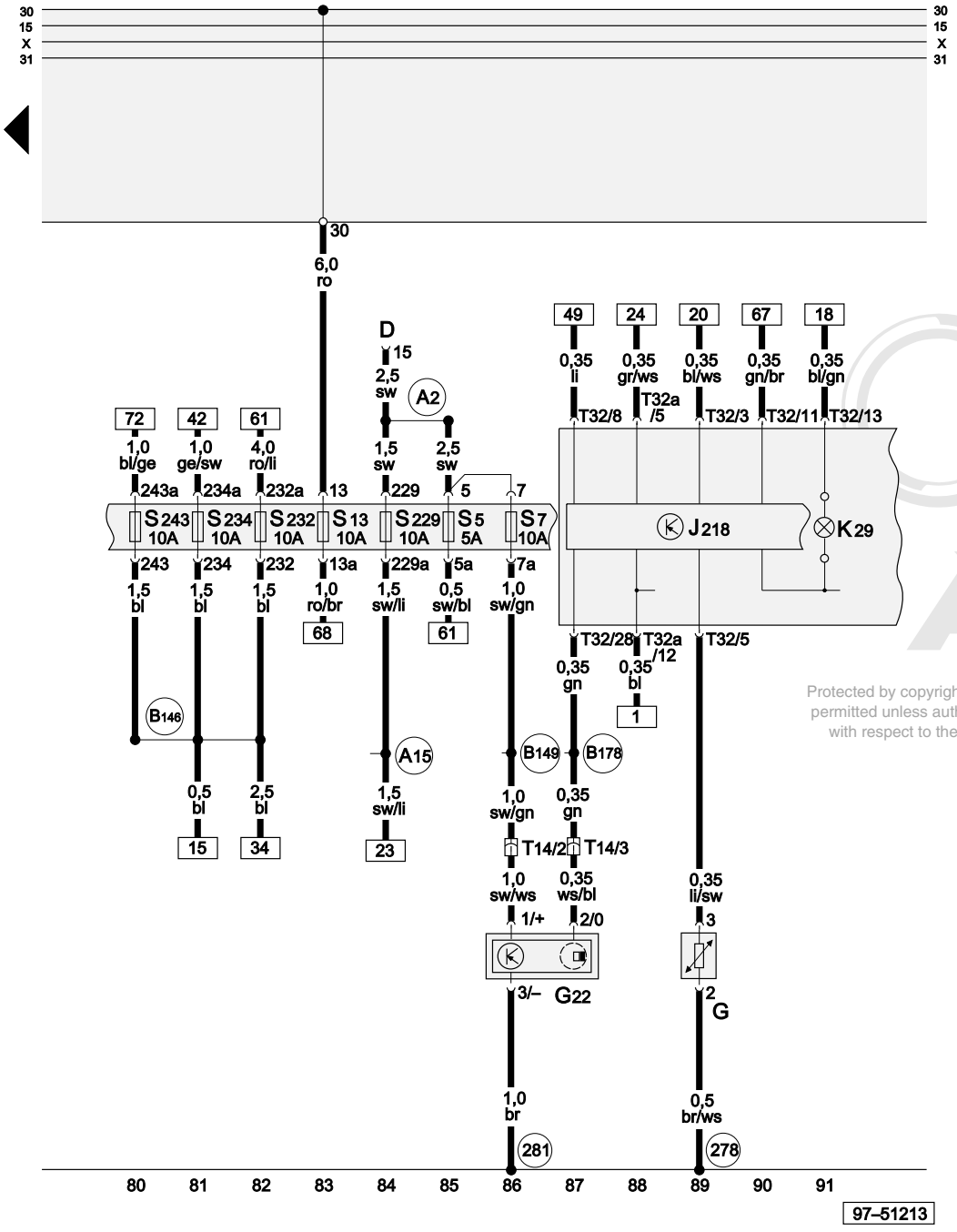
F18 Radiator fan thermo-switch
F54 Radiator fan thermo-switch
J397 Radiator fan run-on relay
T10 10-pin connector, white, in plenum chamber
V7 Radiator fan

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 with 1.9 litre-TDI 81 kW
** Only with 1.9 litre-TDI 66 kW



Dash panel insert, combi-processor in dash panel insert, fuel gauge sender, road speed sender, fuse box

D	Ignition/starter switch
G	Fuel gauge sender
G22	Speedometer sender, (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K29	Glow period warning lamp
T14	14-pin connector, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
278	Earth connection -4-, in interior wiring harness
281	Earth connection -1-, in engine prewiring wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
B146	Positive (+) connection -1- (87), in interior wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
B178	Connection (speed signal), in interior wiring harness

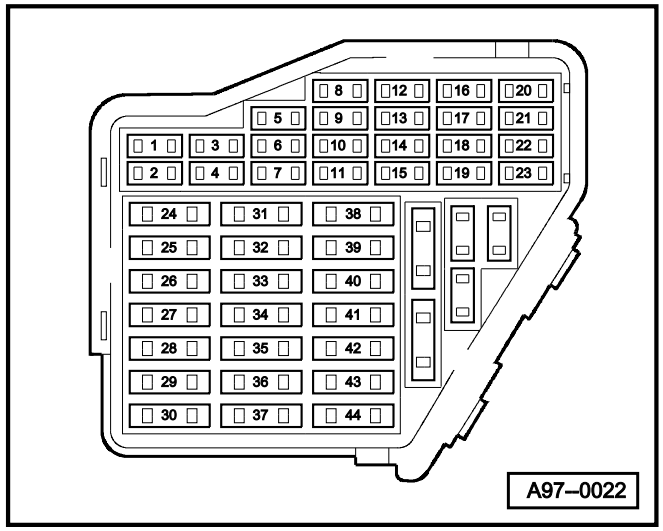
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Audi A3 (1.6 l litre fuel injection engine, 74 kW, Simos, 4-cylinder) engine codes APF

From model year 2000

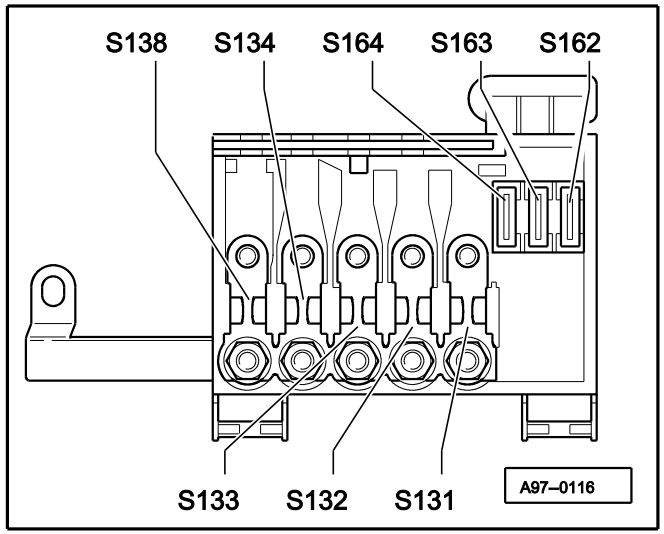
Fuse box:



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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Main fuse box/battery:



Position of fuses:

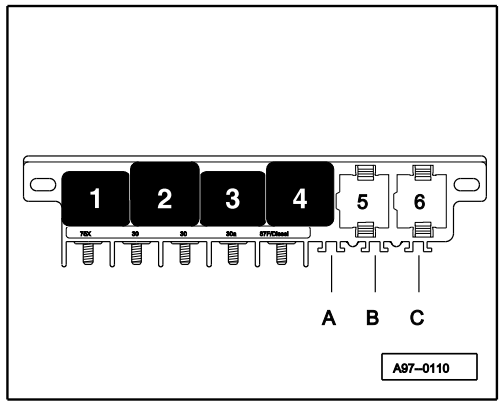
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - 1 in fuse box/battery
S163 - 2 fuse box/battery
S164 - 3 fuse box/battery
S133 - S132
S131

Fuse colours:

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

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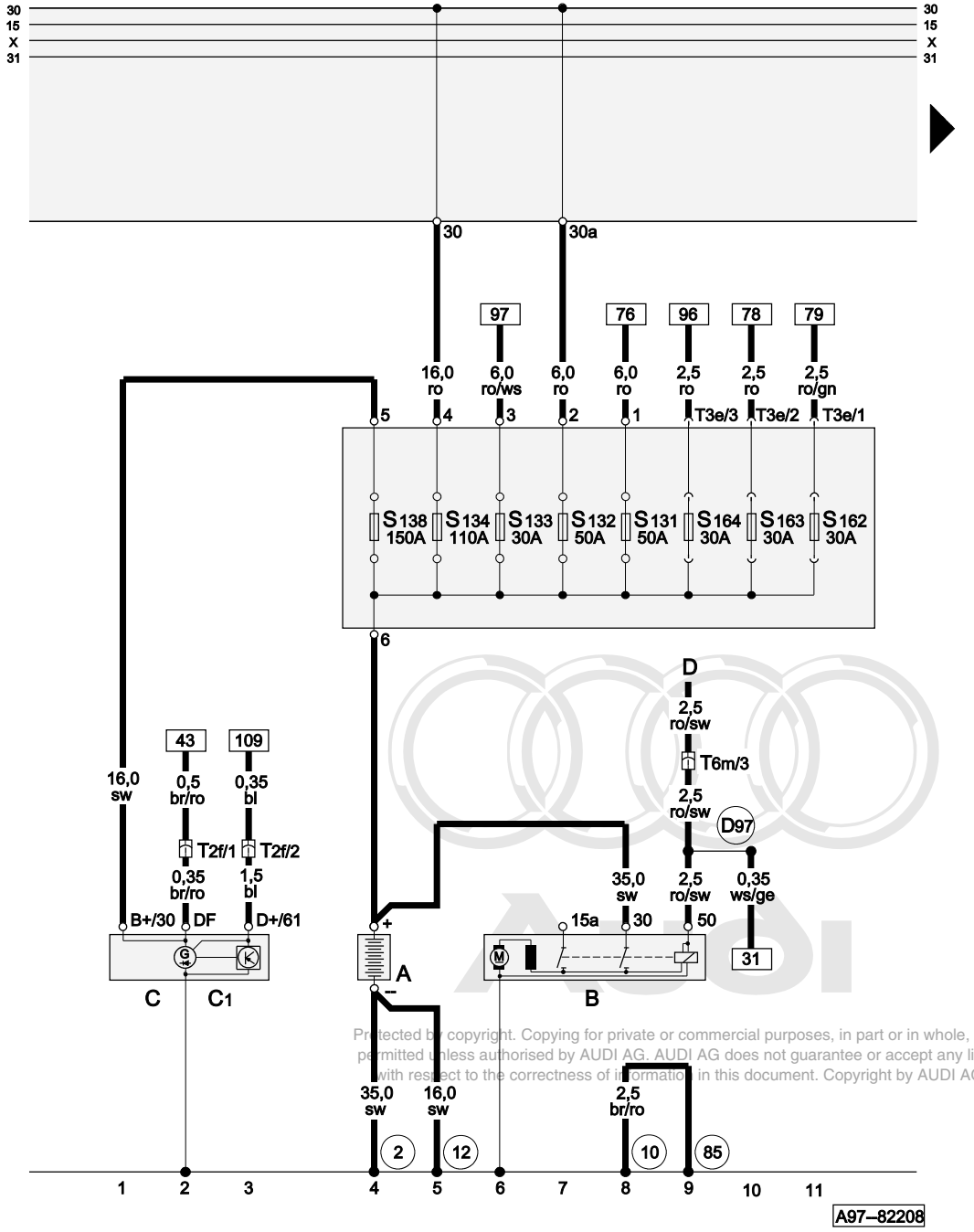
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

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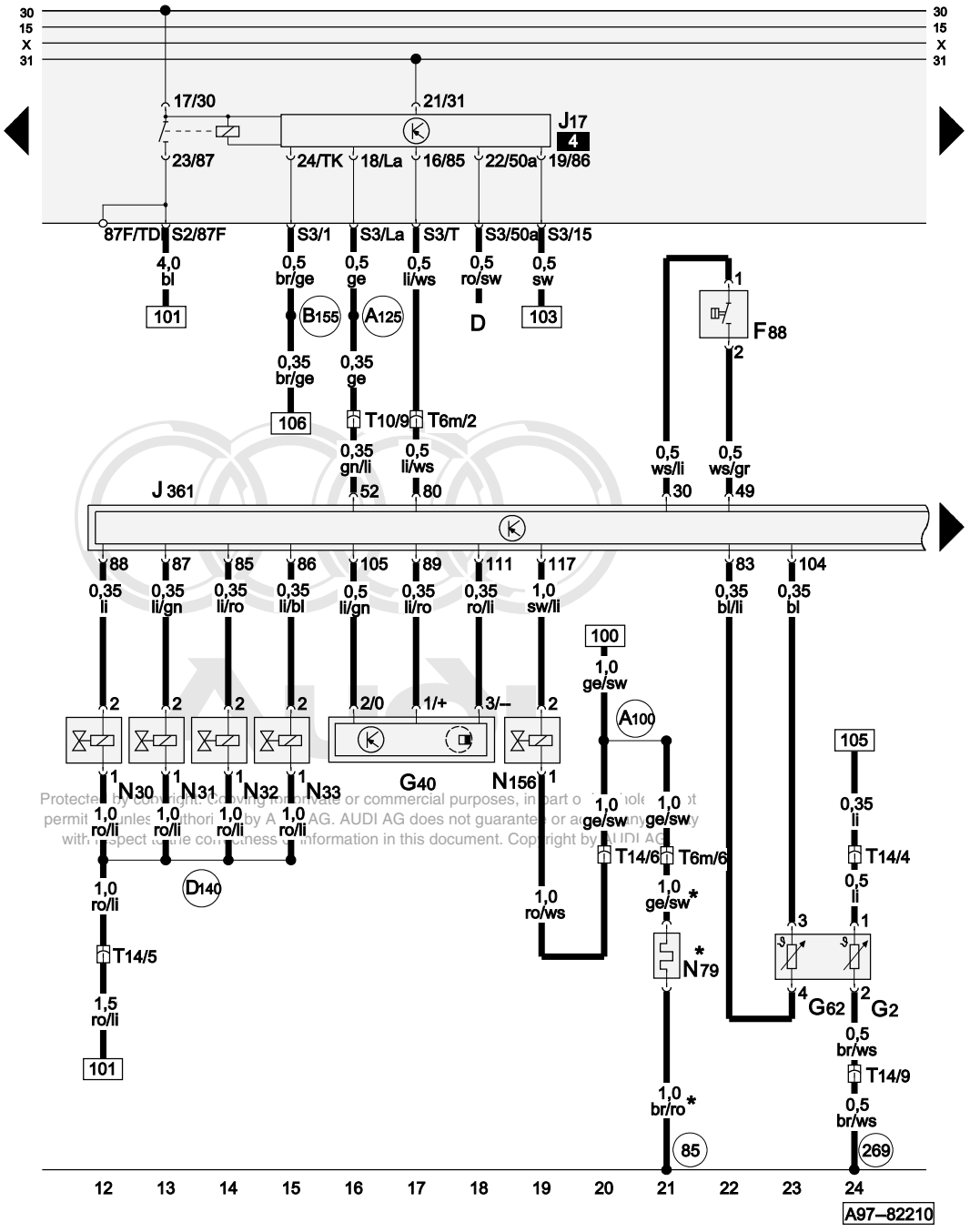


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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

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

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	1 in fuse box/battery
S163	2 in fuse box/battery
S164	3 in fuse box/battery
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
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

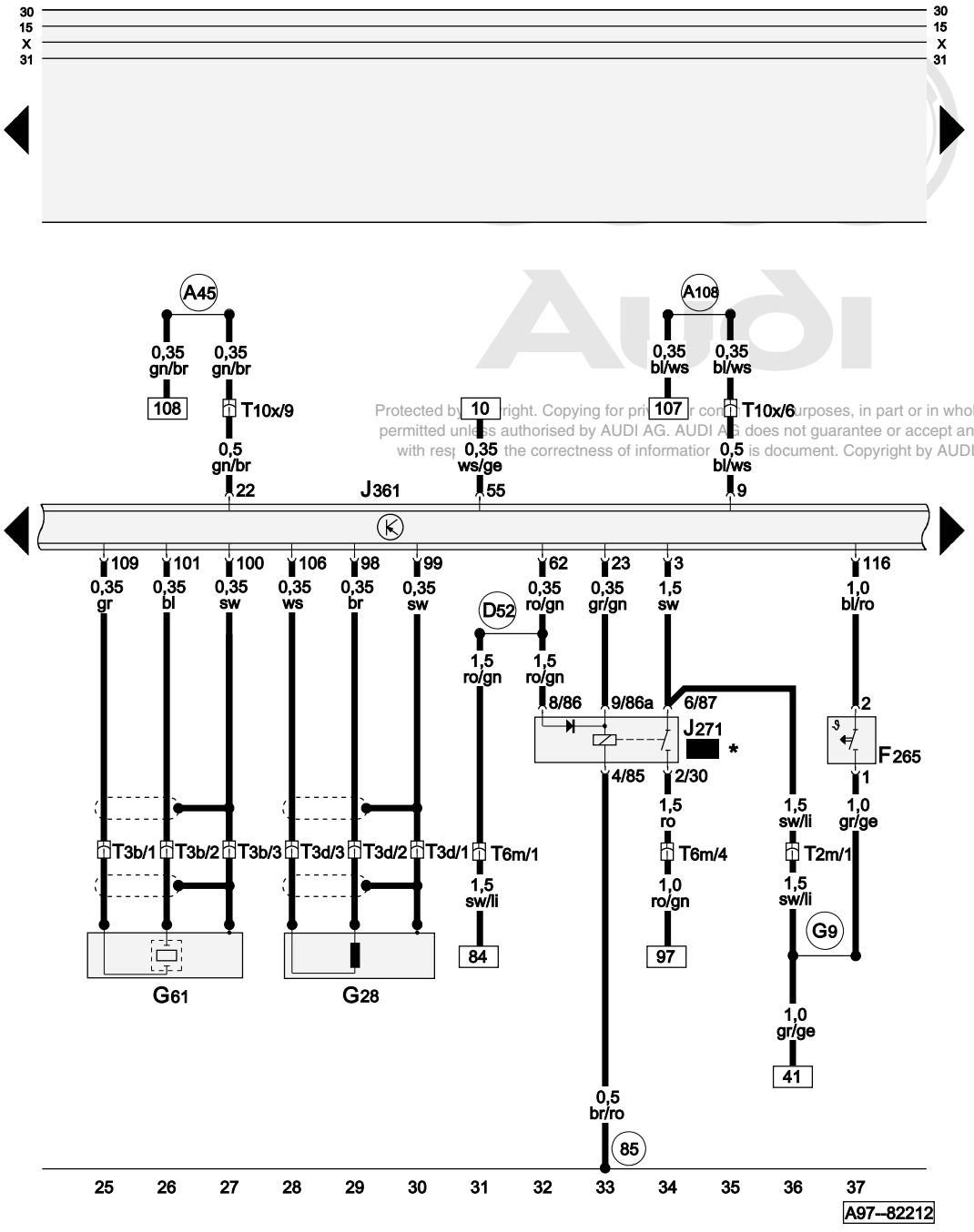


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Simos control unit, knock sensor, engine speed sender

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
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, wiring duct, 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

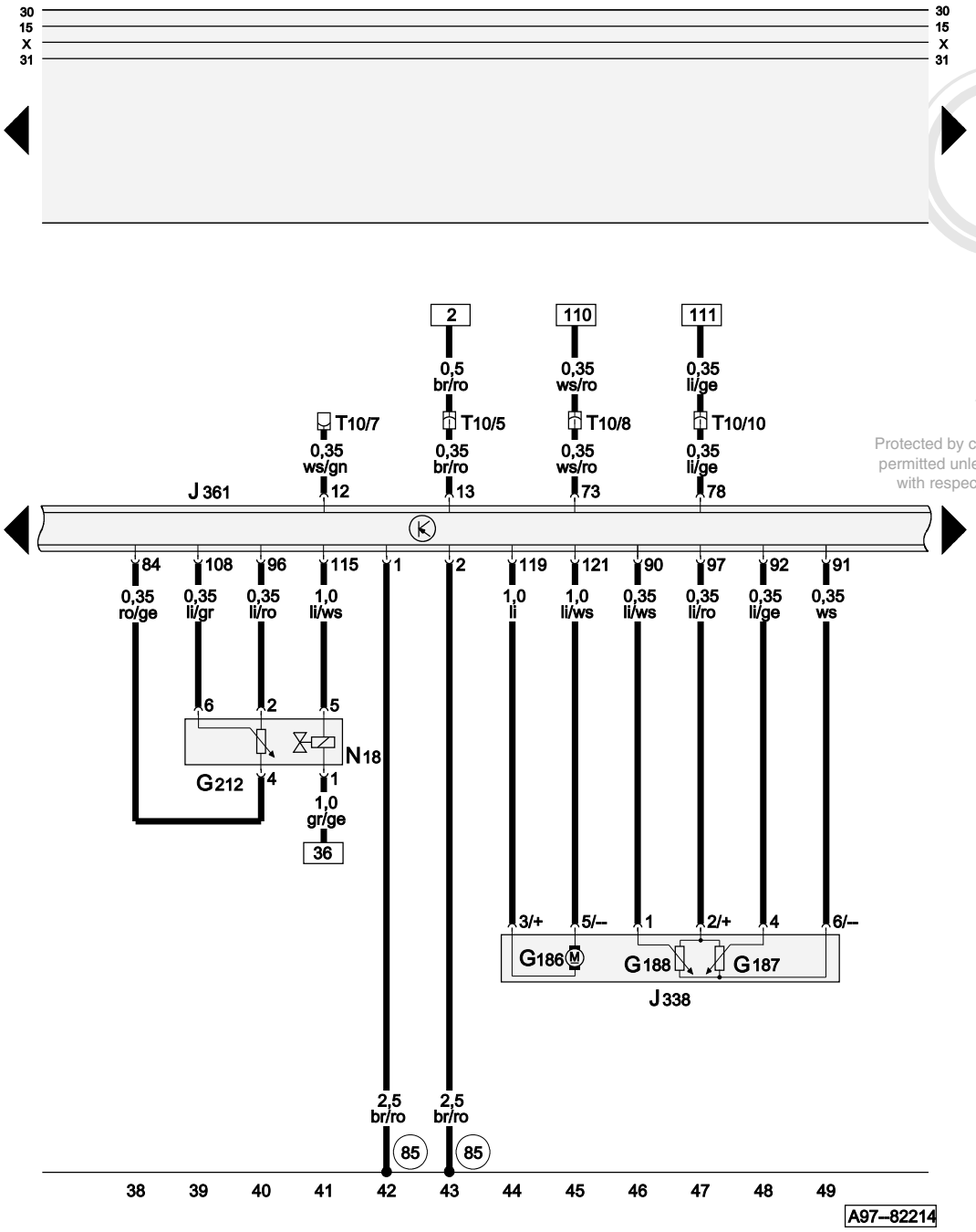


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Simos control unit, throttle valve control unit, valve and potentiometer for exhaust gas recirculation

F265	Map-controlled engine cooling thermostat
G28	Engine speed sender
G61	Knock sensor 1
J361	Simos control unit
J271	Current supply relay
T2m	2-pin connector, wiring duct, in engine compartment, left
T3b	3-pin connector, black, in engine compartment
T3d	3-pin connector, grey, in engine compartment
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
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
*	Relay in plenum chamber

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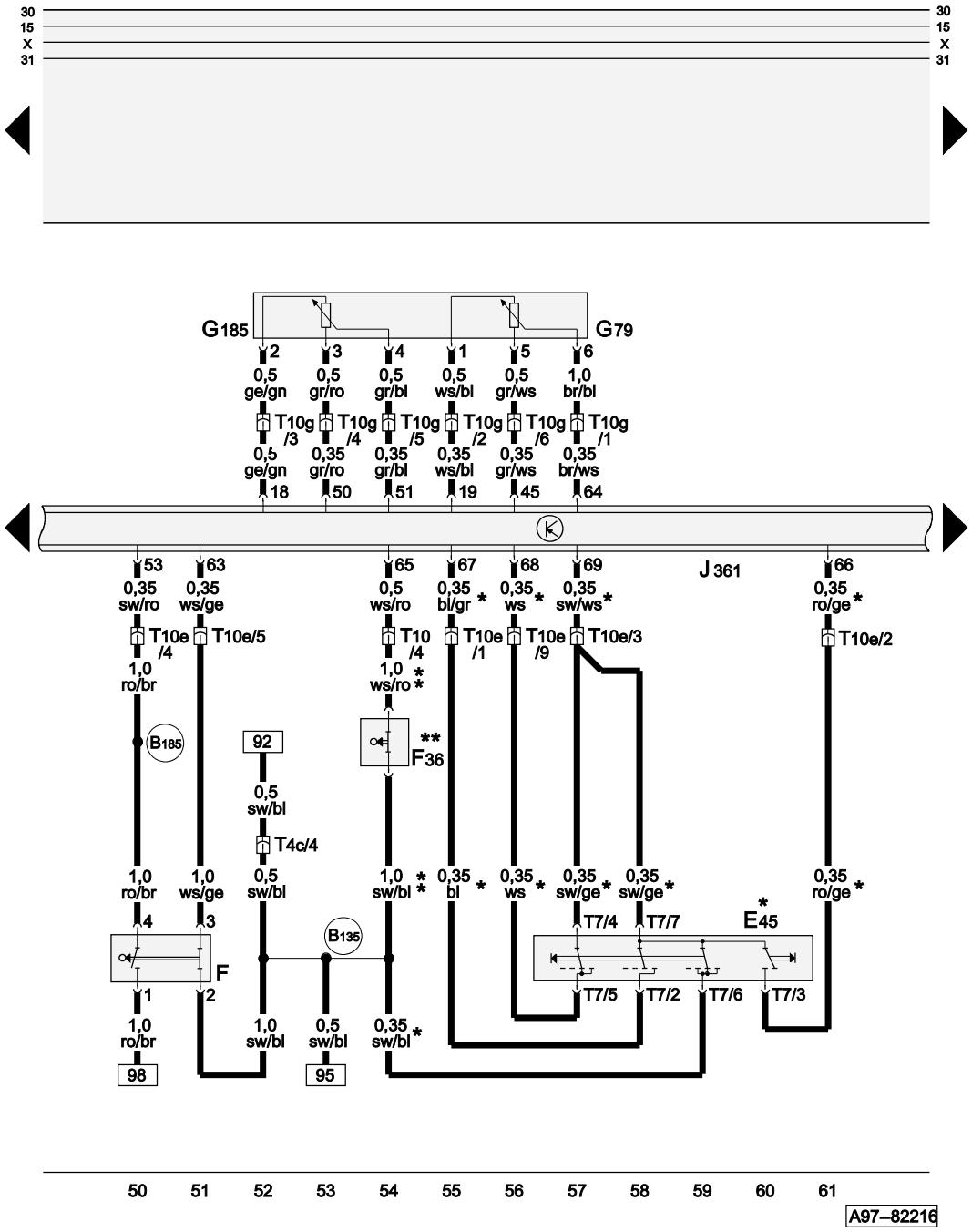


Simos control unit, accelerator pedal position senders, cruise control system switch, brake light switch, clutch pedal switch

G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
G212	Exhaust gas recirculation potentiometer
J361	Simos control unit
J338	Throttle valve control unit
N18	Exhaust gas recirculation valve
T10	10-pin connector, white, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness

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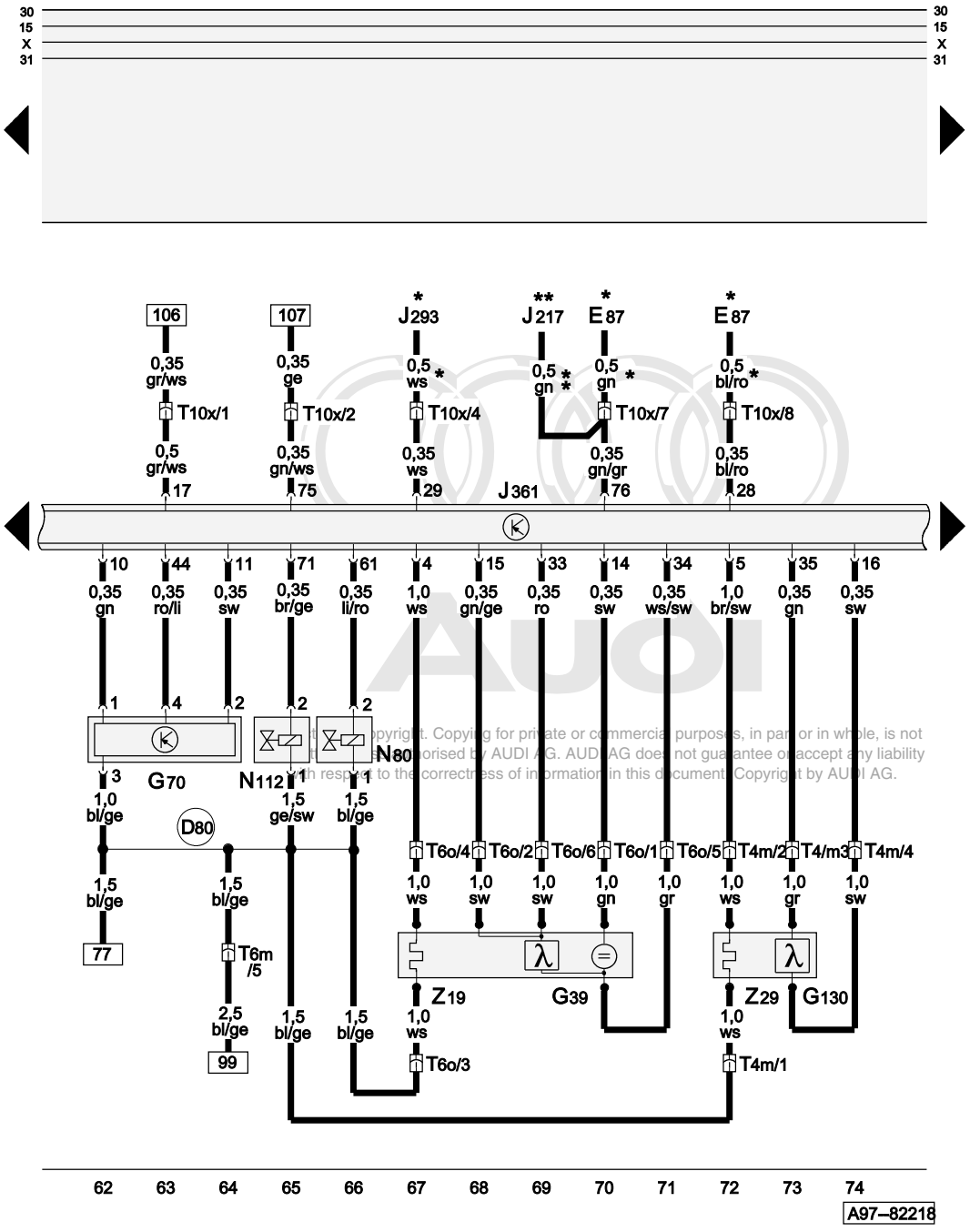


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Simos control unit, lambda probes with additional heater, air mass meter, activated charcoal filter system solenoid valve

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, behind console
T7	7-pin connector, 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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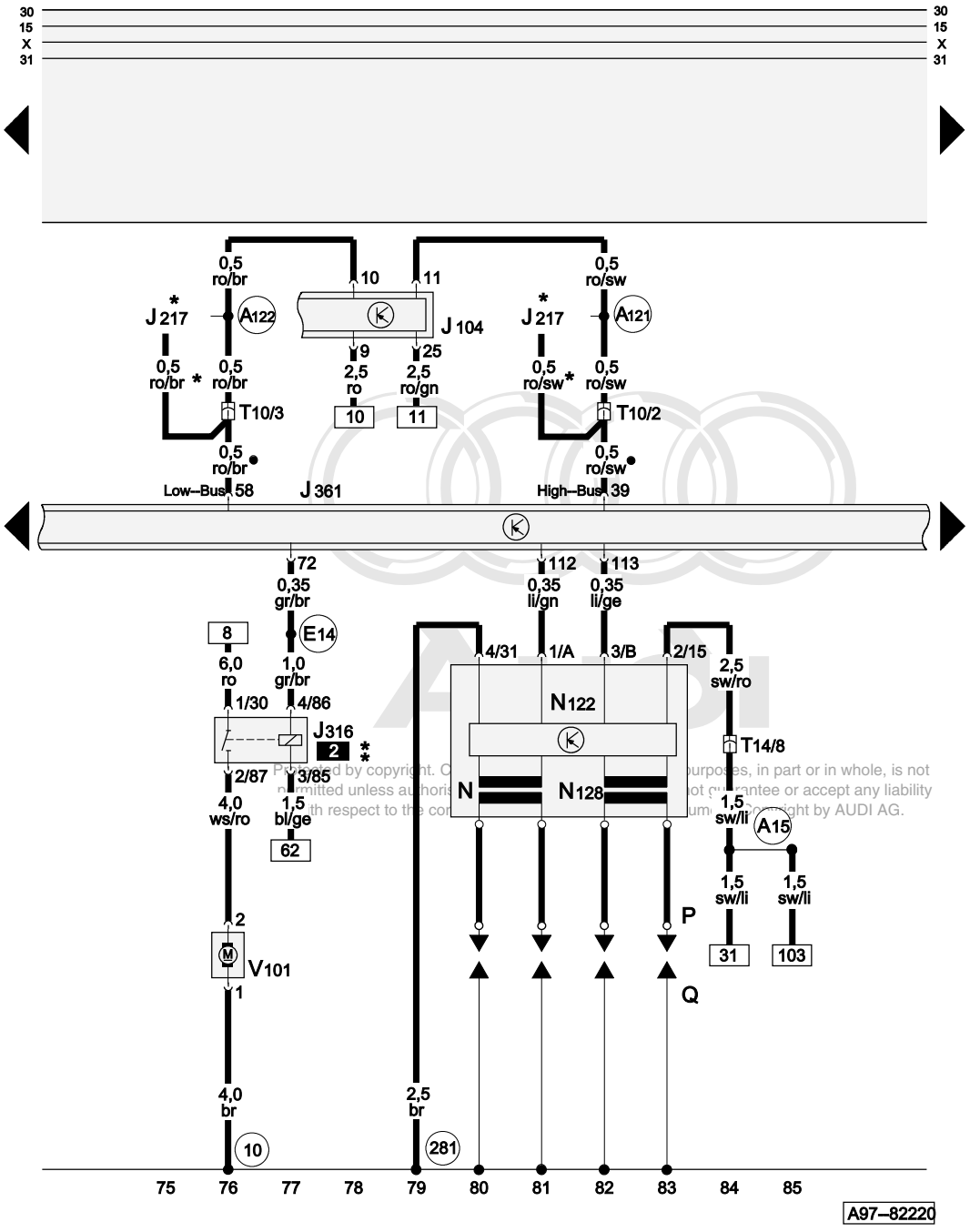


Simos control unit, ignition system, secondary air pump

E87	Control and display unit for air conditioner
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
N112	Secondary air inlet valve
T4m	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T6o	6-pin connector, 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), in engine compartment wiring harness
*	Only models with air conditioner
**	Only models with automatic gearbox

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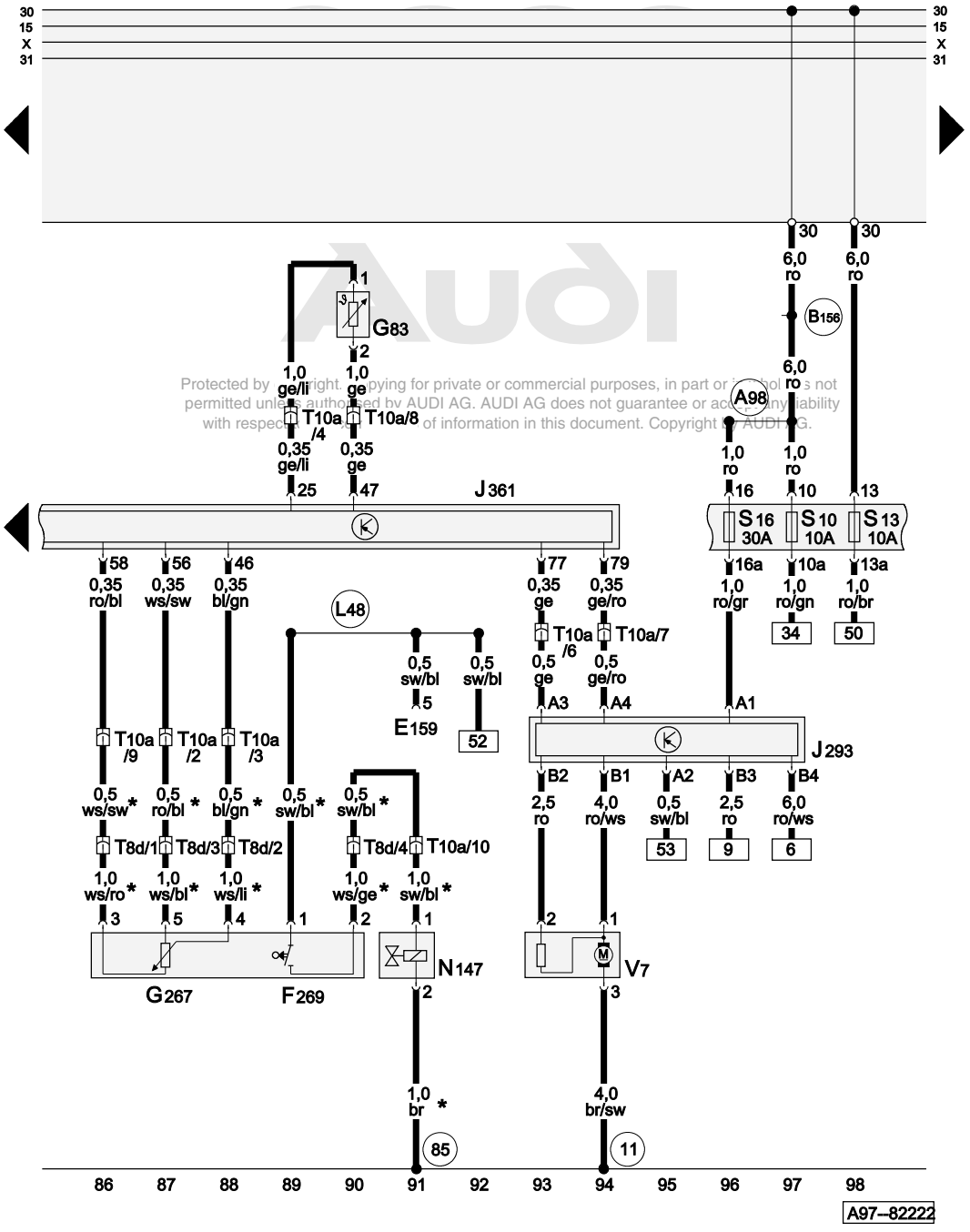


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gr = grey
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Simos control unit, fuse box, radiator fan

J104	ABS with EDL control unit
J316	Secondary air system relay
J361	Simos control unit
N	Ignition coil 1
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, wiring duct, in engine compartment, left
V101	Secondary air pump motor
10	Earth point, in plenum chamber
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
E14	Connection -1-, in Simos wiring harness
*	Only models with automatic gearbox
**	Relay in plenum chamber
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	CAN bus (data wire)

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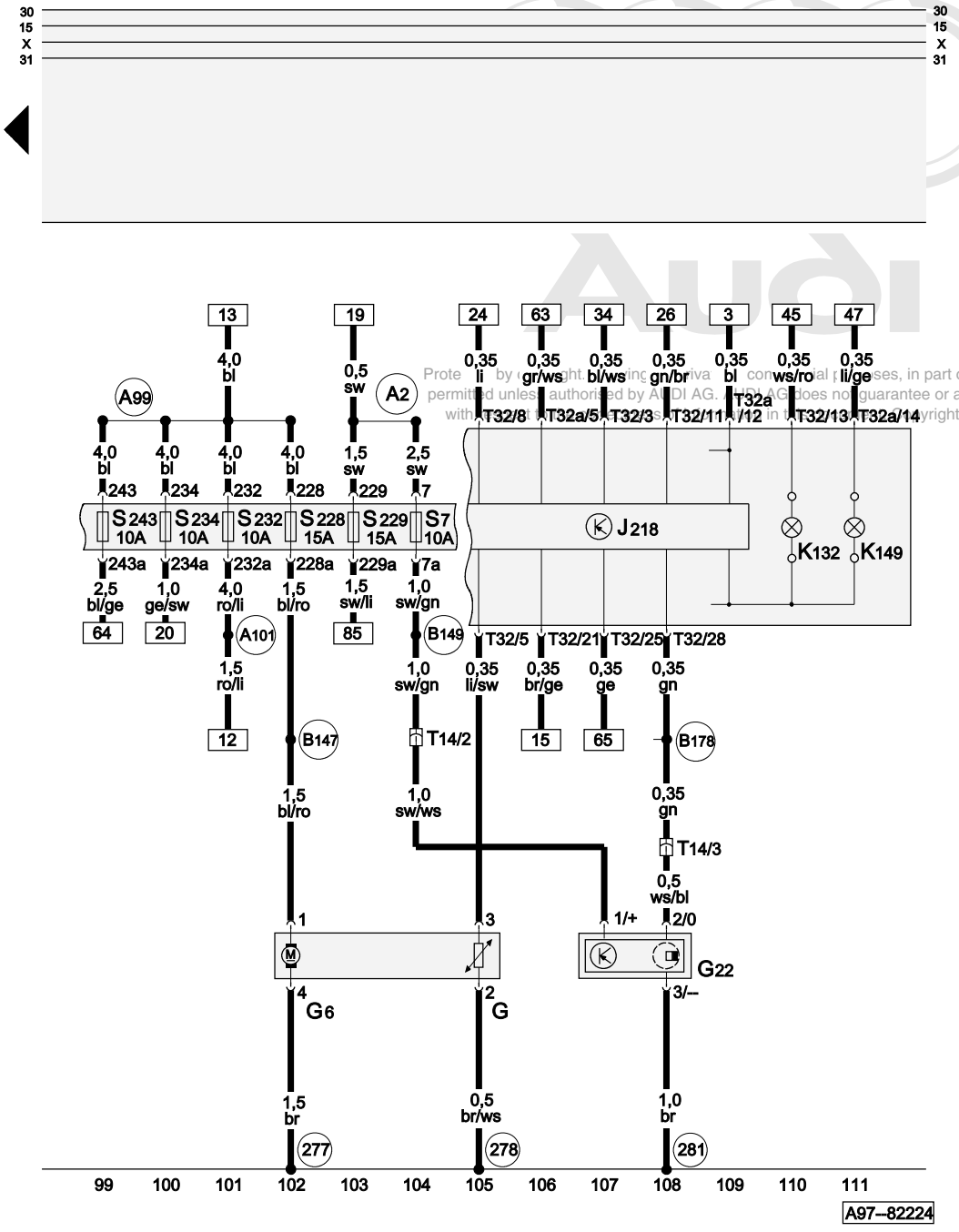


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Simos control unit, fuse box, radiator fan

E159	Fresh air/air recirculating flap switch
F269	Switch for temperature selection rotary knob
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
T8d	8-pin connector, black, behind console
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- (30a), in dash panel wiring harness
B156	Positive (+) connection -4- (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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Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

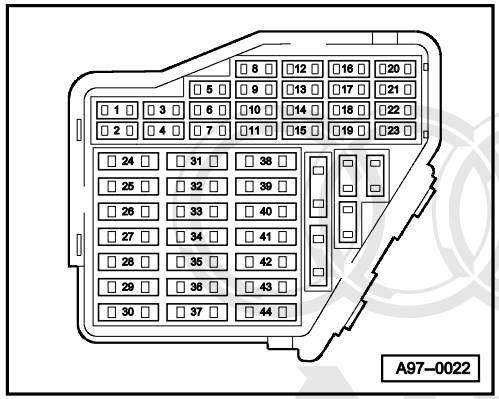
G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender, (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K132	Electronic power control fault lamp
K149	Engine electronics warning lamp
T14	14-pin connector, wiring duct, in engine compartment, left
T32	32-pin connector, blue, on dash 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
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
B178	Connection (speed signal), in interior wiring harness

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Audi A3 (1.8 litre fuel injection engine, 92 kW, Motronic, 4-cylinder) engine codes APG

From model year 2000

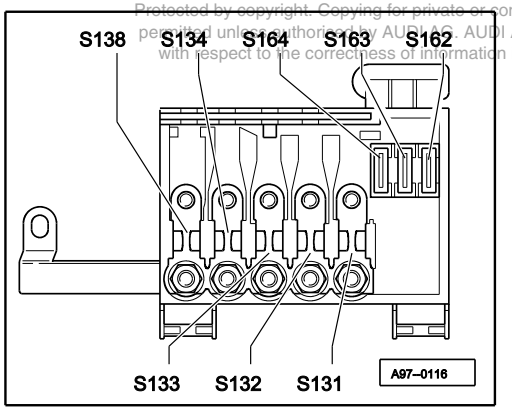
Fuse box:



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

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

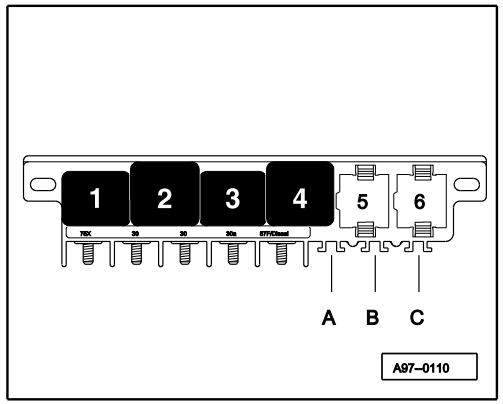
S162 - 1 in fuse box/battery
S163 - 2 fuse box/battery
S164 - 3 fuse box/battery
S133 - S132

S131

Fuse colours:

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

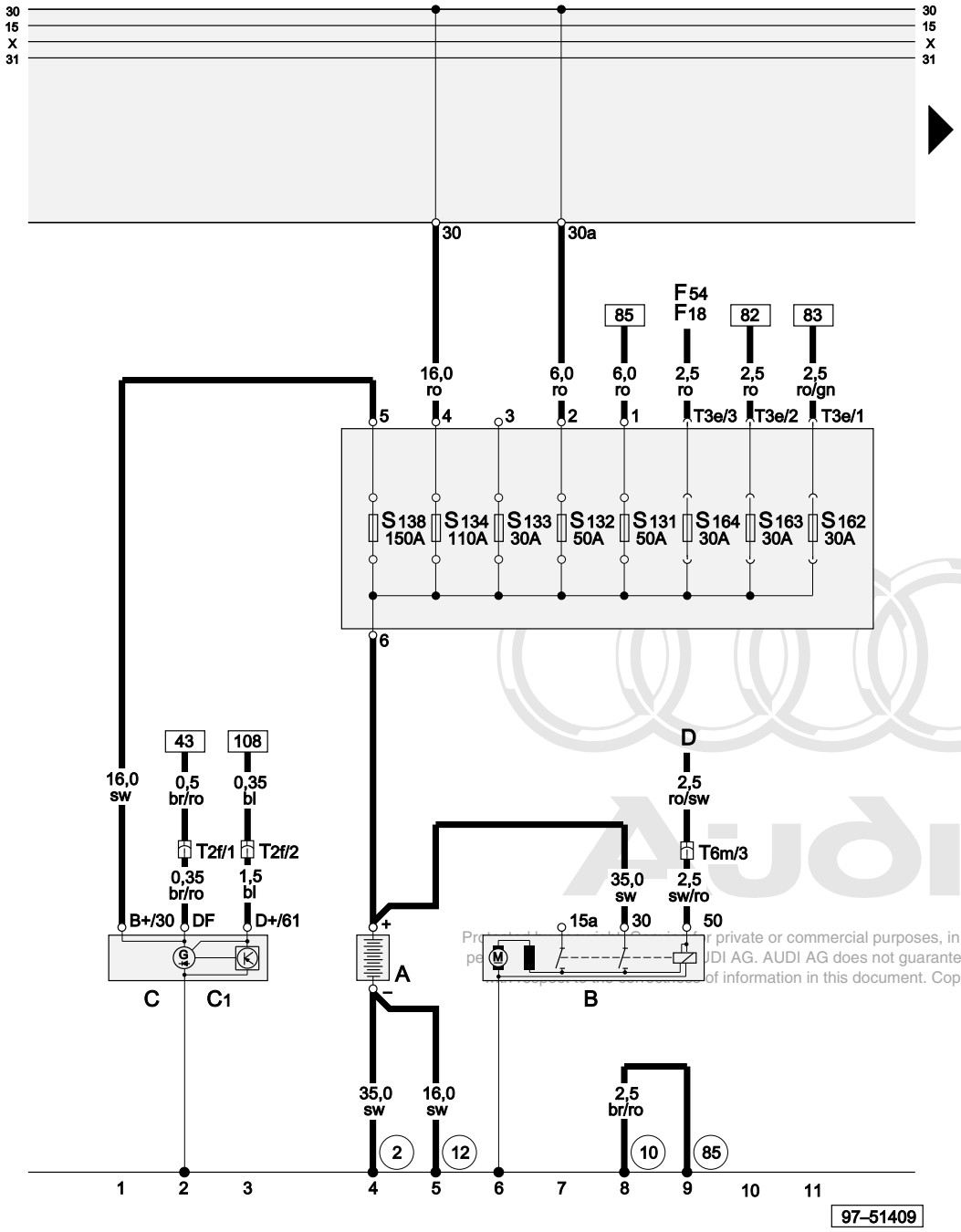
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

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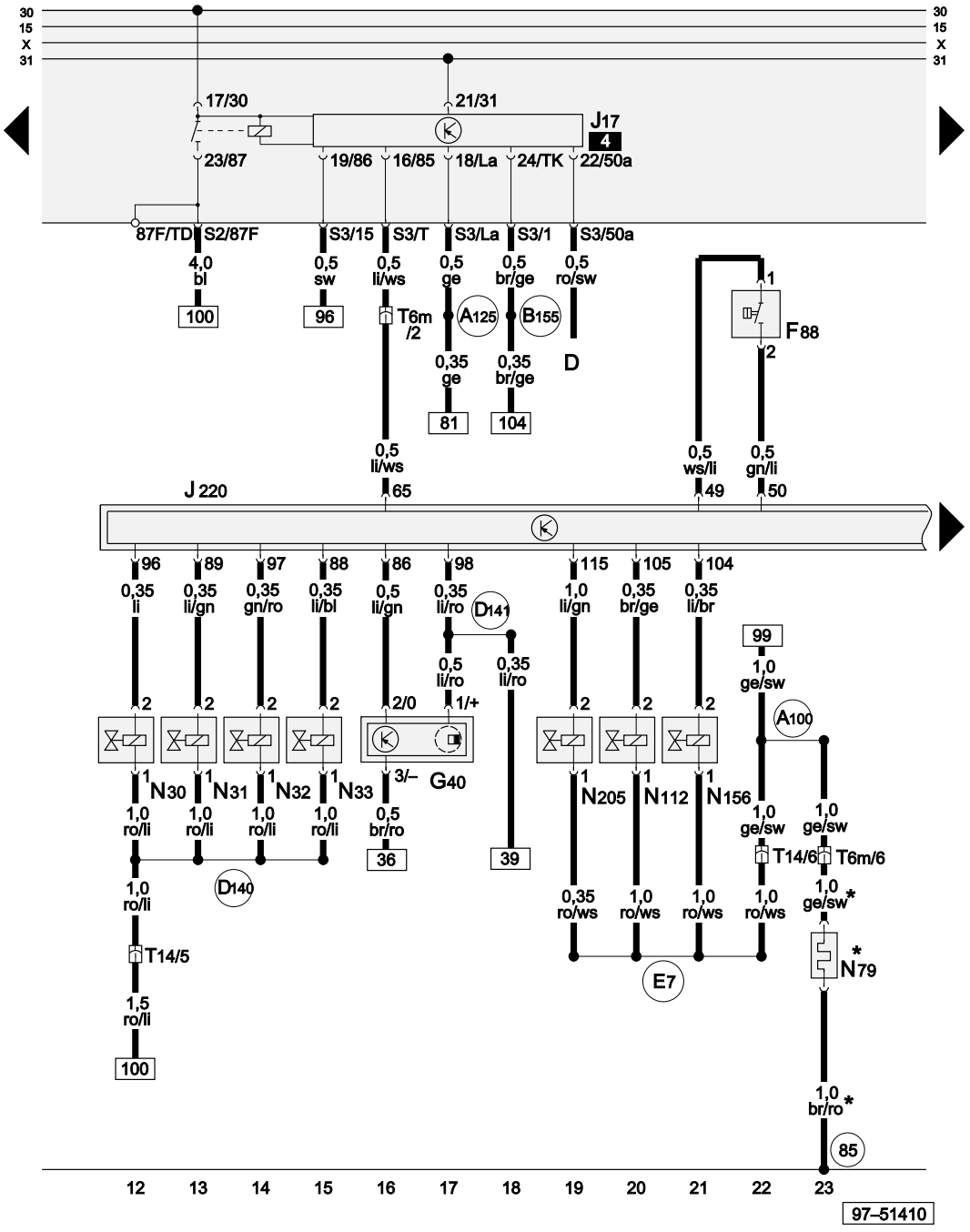


Battery, starter, alternator, main fuse box/battery

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
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
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

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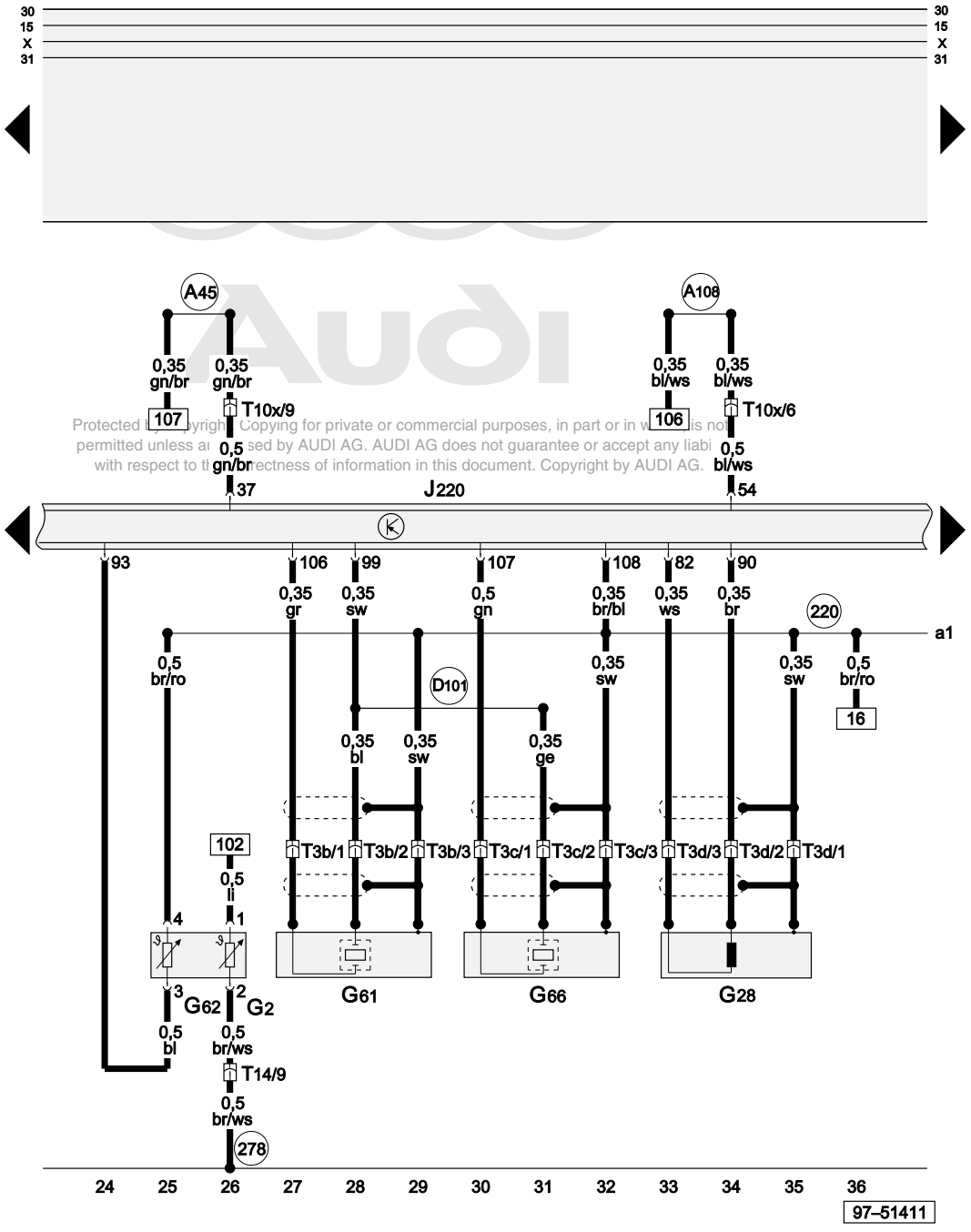


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Motronic control unit, fuel pump relay, injectors, Hall sender, intake manifold change-over valve, inlet camshaft timing adjustment valve

D	Ignition/starter switch
E3	Hazard warning light switch
F88	Power assisted steering pressure switch
G40	Hall sender
J17	Fuel pump relay
J220	Motronic 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
T14	14-pin connector, wiring duct, 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- (DC), in interior wiring harness
D140	Connection (injectors), in engine prewiring wiring harness
D141	Connection (5V), in engine prewiring wiring harness
E7	Positive (+) connection (87a), in Motronic wiring harness
*	Export versions (only northern countries)

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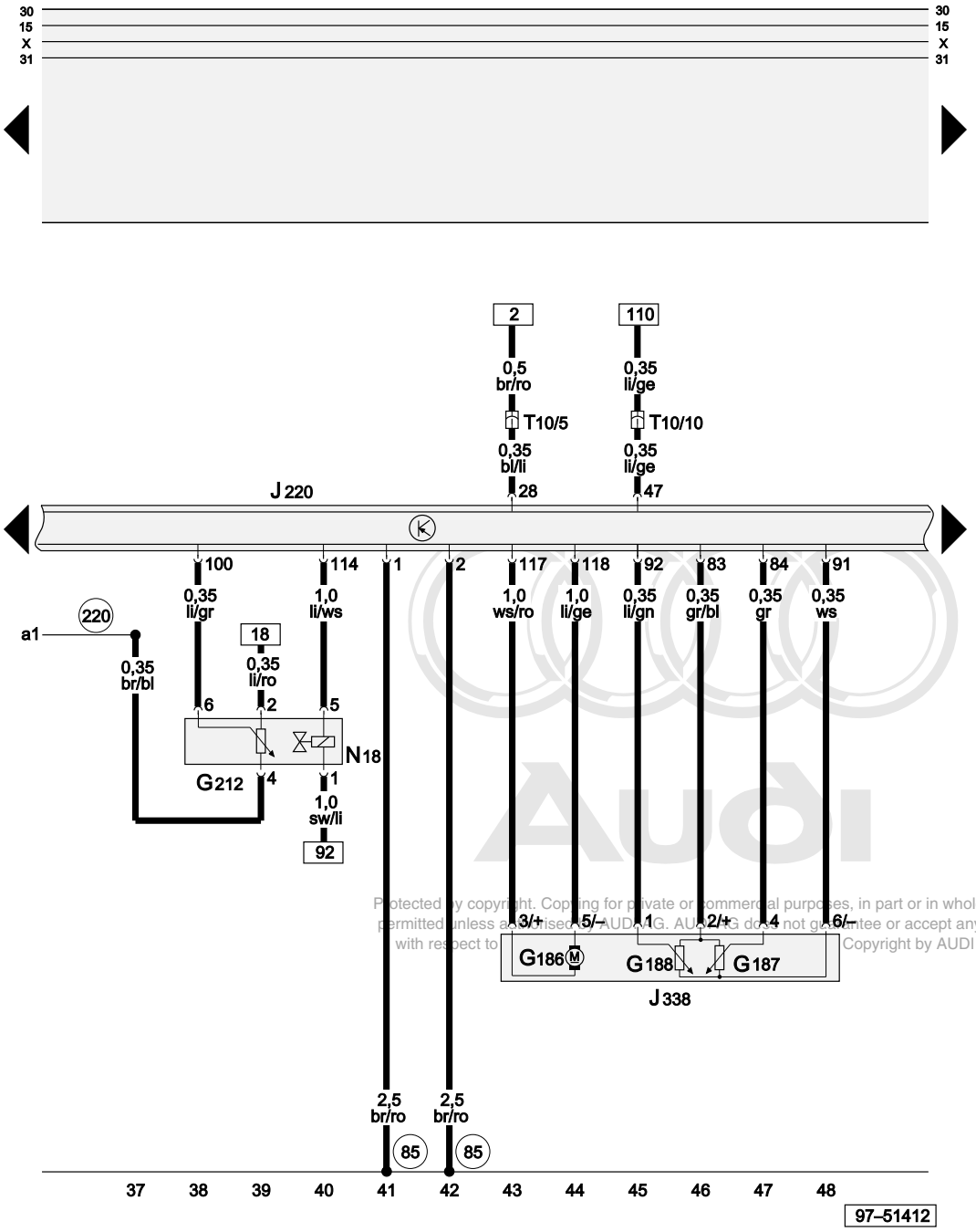


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Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J220	Motronic control unit
T3b	3-pin connector, black, in engine compartment
T3c	3-pin connector, brown, in engine compartment
T3d	3-pin connector, grey, in engine compartment
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
220	Earth connection (sender earth), in engine wiring harness
278	Earth connection -4-, in interior 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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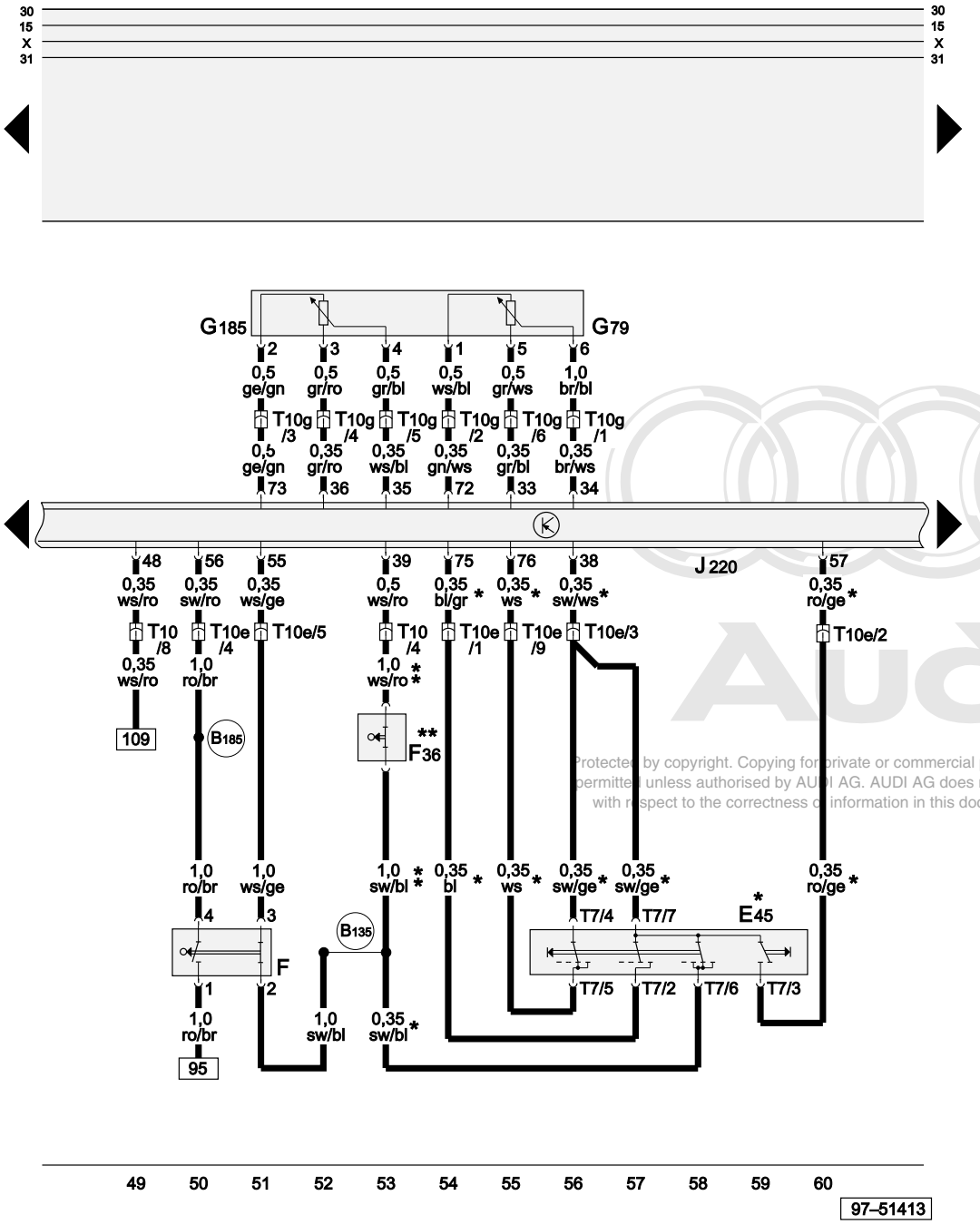


Motronic control unit, throttle valve control unit, valve and potentiometer for exhaust gas recirculation

G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
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
85	Earth connection -1-, in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness

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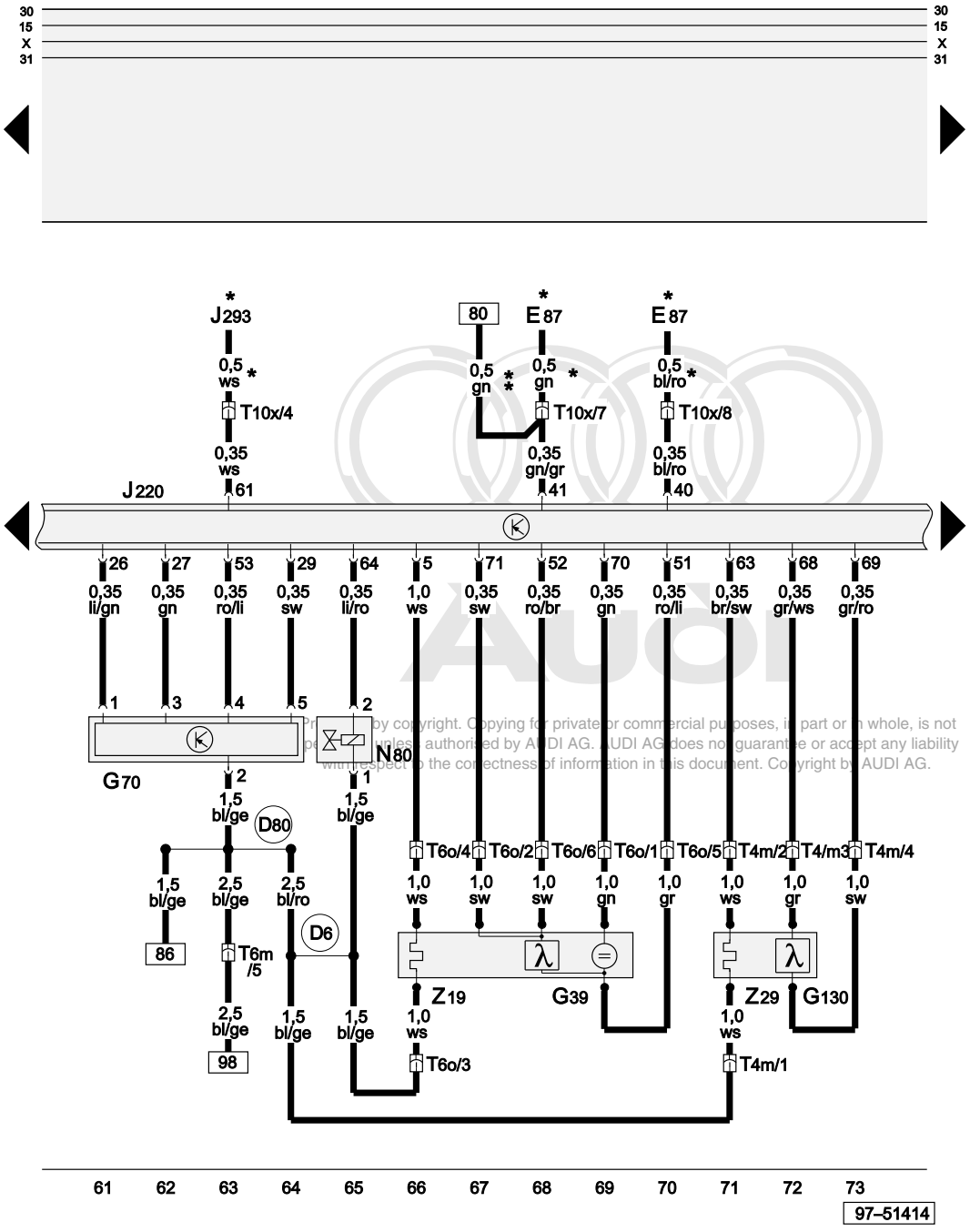


Motronic control unit, accelerator pedal position senders, cruise control system switch, brake light switch, clutch pedal switch

E45	Cruise control system switch
F	Brake light switch
F36	Clutch pedal switch
G79	Accelerator pedal position sender
G185	Accelerator pedal position sender -2-
J220	Motronic control unit
T7	7-pin connector, 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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br	=	brown
gn	=	green
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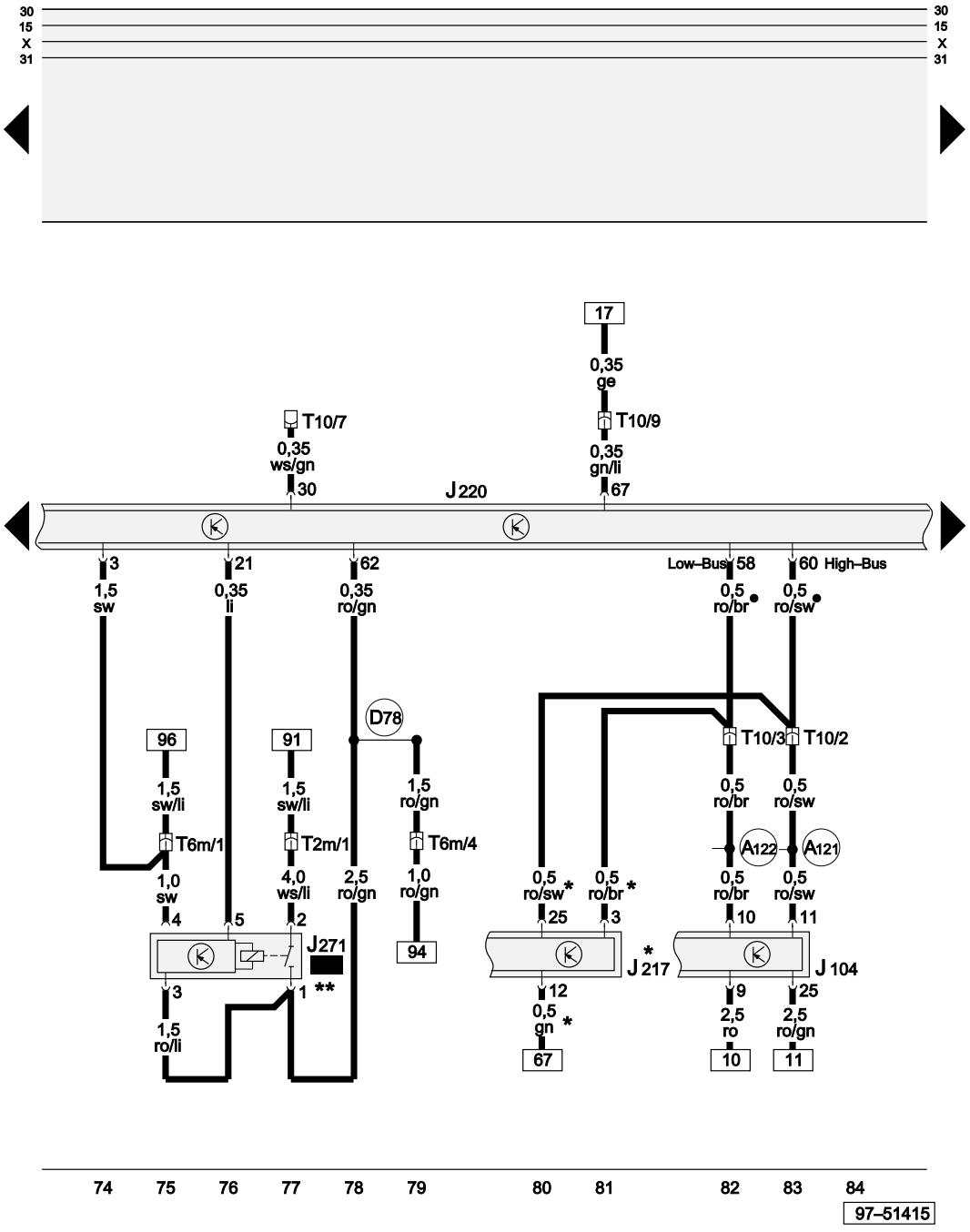


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Simos control unit, lambda probes with additional heater, air mass meter, activated charcoal filter system solenoid valve

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

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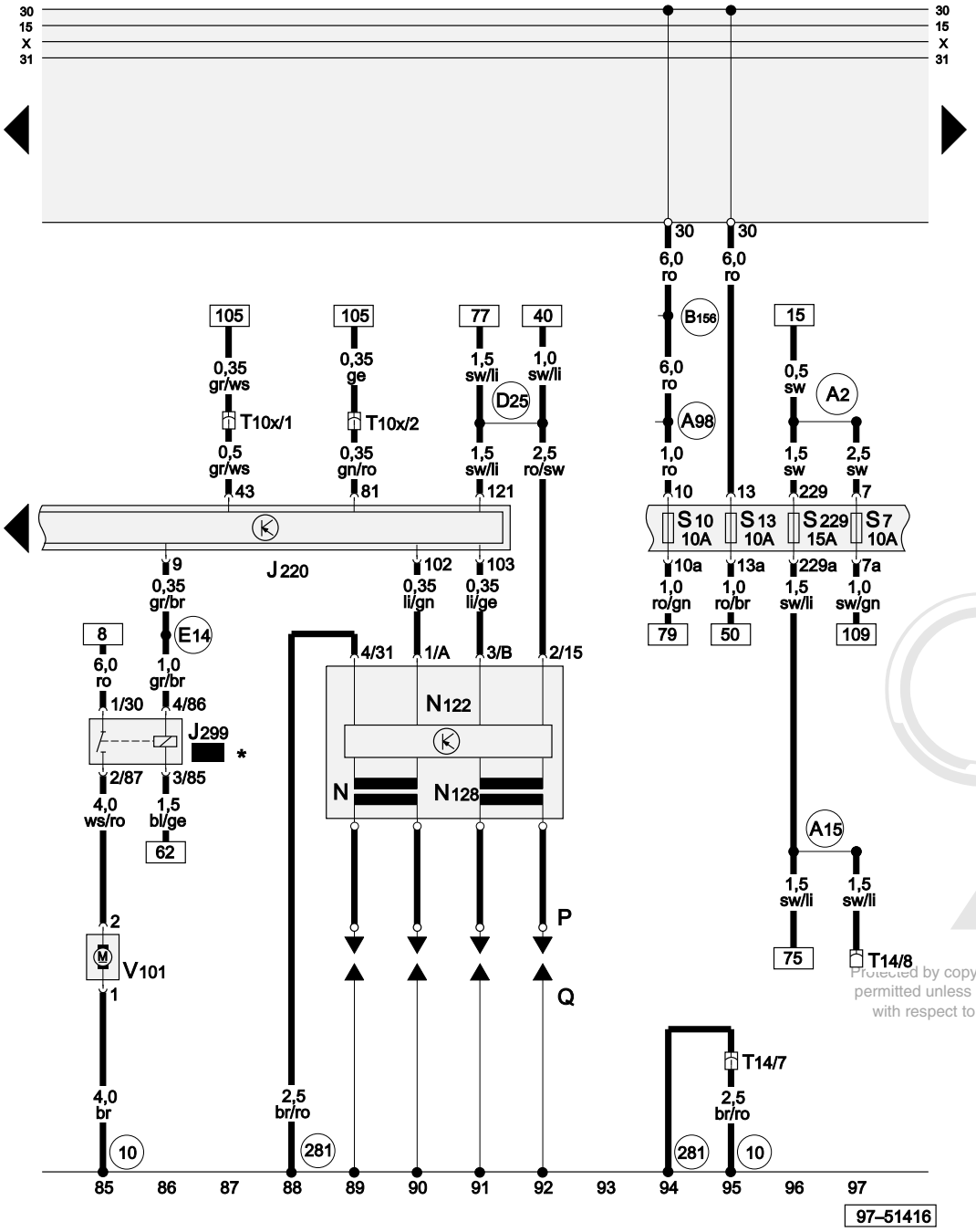


Motronic control unit, current supply relay

J104	ABS with EDL control unit
J217	Automatic gearbox control unit
J220	Motronic control unit
J271	Motronic current supply relay
T2m	2-pin connector, 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-, in engine compartment wiring harness
*	Only models with automatic gearbox
**	Relay in plenum chamber
<fo:exter	CAN bus (data wire)
nal-	
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uniform"/	
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ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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gr	=	grey
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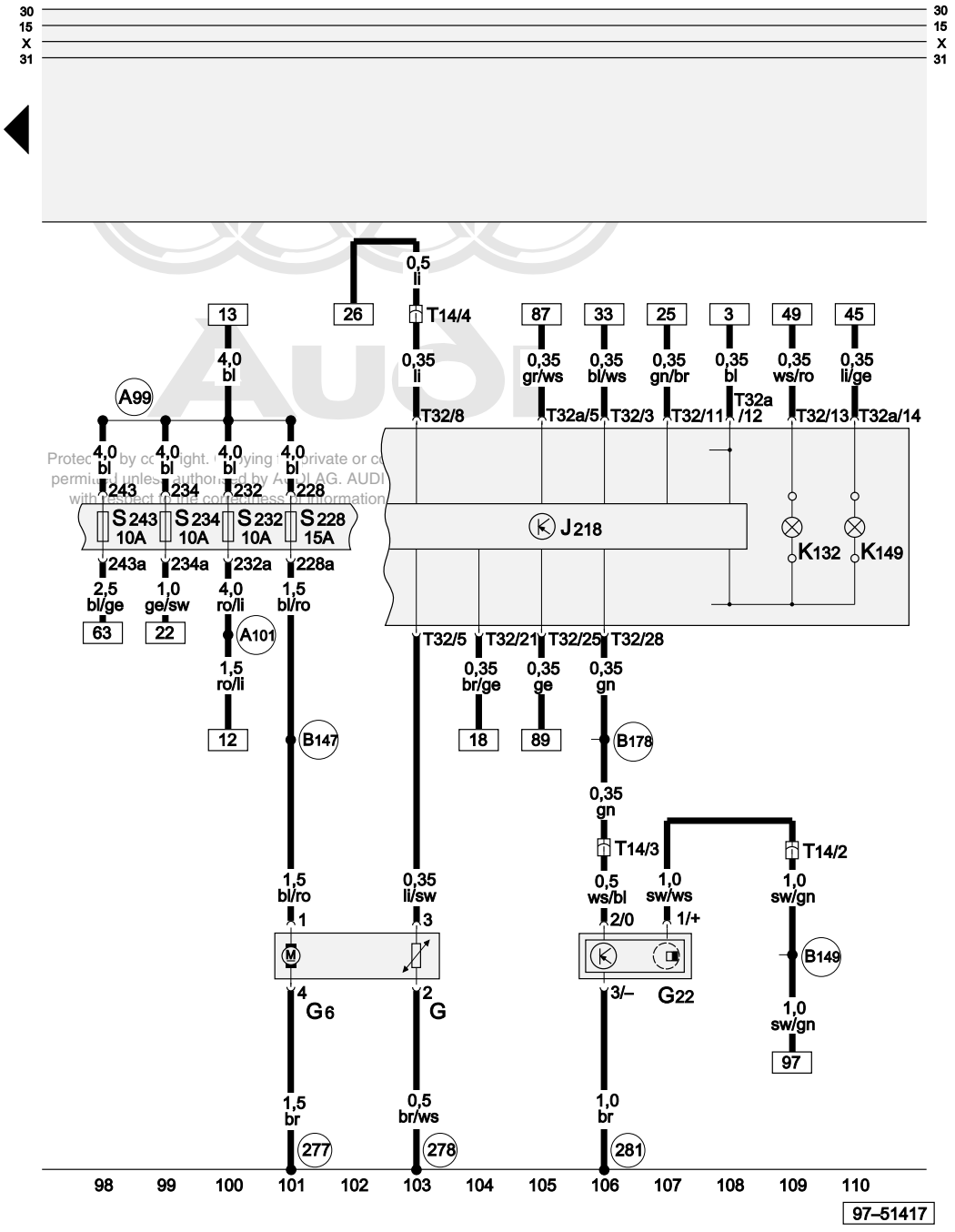


Motronic control unit, ignition system, secondary air pump, fuse box

J220	Motronic control unit
J299	Secondary air pump relay
N	Ignition coil 1
N122	Final output stage
N128	Ignition coil 2
P	Spark plug connector
Q	Spark plugs
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, wiring duct, in engine compartment, left
V101	Secondary air pump motor
10	Earth point, in plenum chamber
281	Earth connection -1-, in engine prewiring wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
D25	Positive (+) connection (15), in engine prewiring wiring harness
E14	Connection -1-, in Motronic wiring harness
*	Relay in plenum chamber

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Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K132	Electronic power control fault lamp
K149	Engine electronics warning lamp
T14	14-pin connector, wiring duct, in engine compartment, left
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
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
B178	Connection (speed signal), in interior wiring harness

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Audi A3 (1.8 litre fuel injection engine, 110 kW, Motronic, 4-cylinder) engine codes AQA/ARZ
From model year 2000

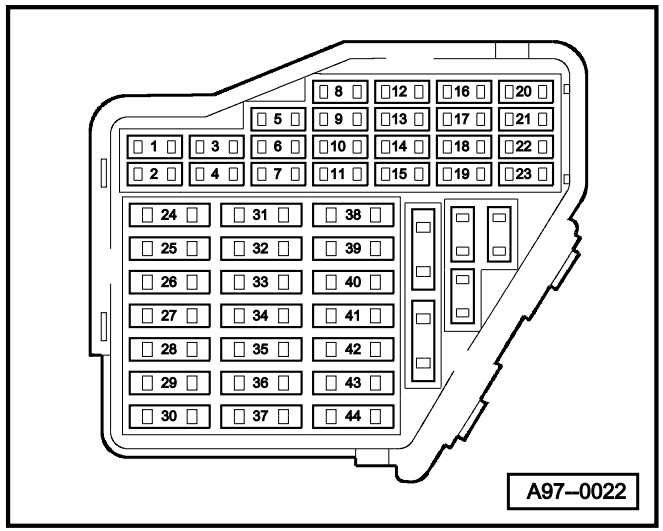
Audi A3 (1.8 litre fuel injection engine, 132 kW, Motronic, 4-cylinder) engine codes AJQ/APP
From model year 2000

Audi A3 (1.8 litre fuel injection engine, 154 kW, Motronic (S3), 4-cylinder) engine codes APY
From model year 2000

Audi A3 (1.8 litre fuel injection engine, 154 kW, Motronic (S3), 4-cylinder) engine codes APY, From model year 2000
From model year 2000

Audi A3 (1.8 litre fuel injection engine, 110 kW, Motronic, 4-cylinder) engine codes AQA, From model year 2000
From model year 2000

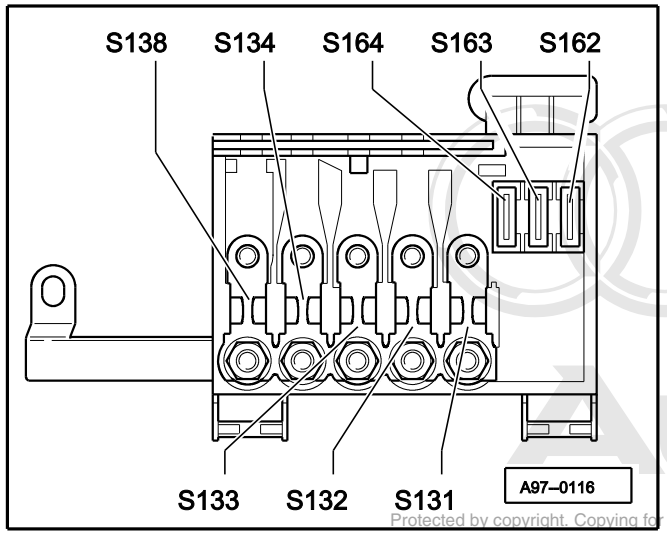
Fuse box:



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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.

Main fuse box/battery:



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Position of fuses:

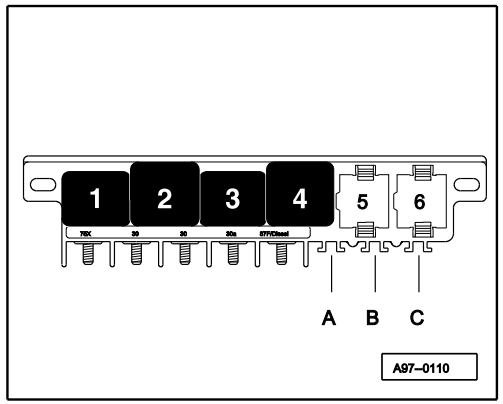
S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5
S162 - 1 in fuse box/battery
S163 - 2 fuse box/battery
S164 - 3 fuse box/battery
S133 - S132

S131

Fuse colours:

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

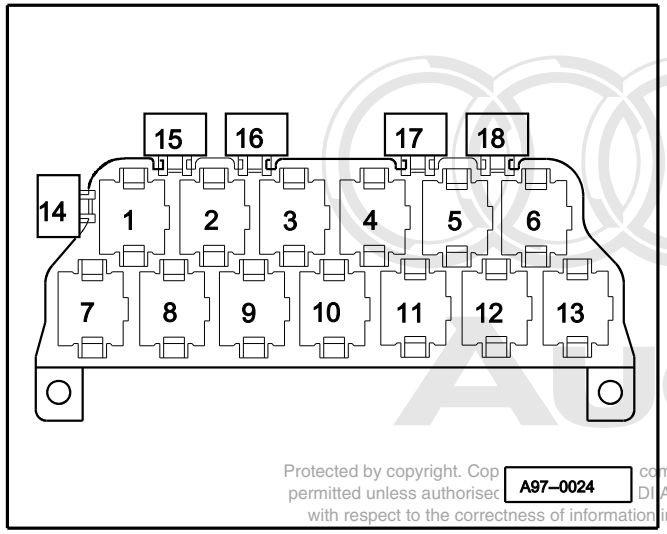
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

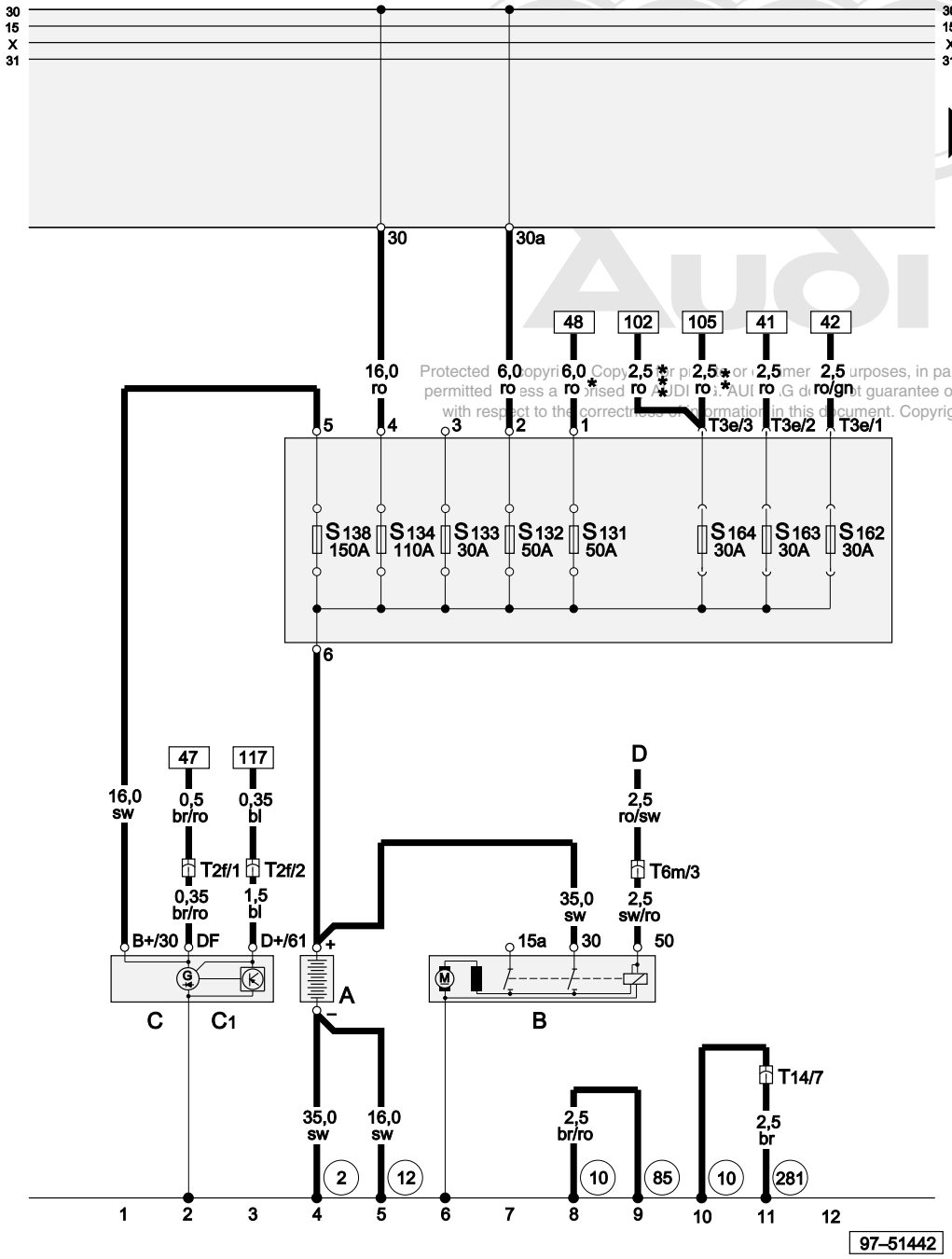
13-point relay carrier:



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Position of relays:

13 - Coolant pump control unit

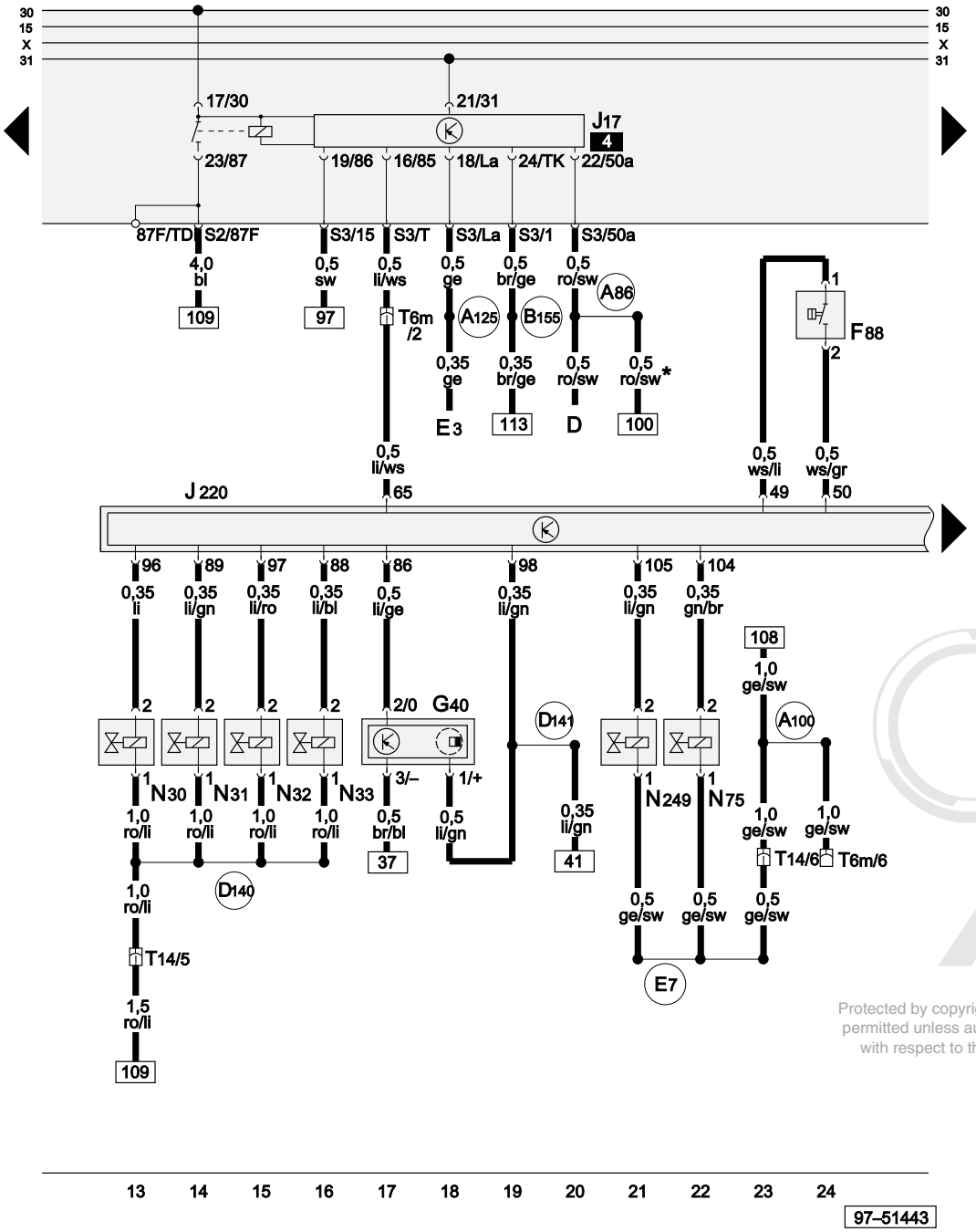


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ro = red
br = brown
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or = orange
rs = pink

Battery, starter, alternator, main fuse box/battery

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	1 in fuse box/battery
S163	2 in fuse box/battery
S164	3 in fuse box/battery
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
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
281	Earth connection -1-, in engine prewiring wiring harness
*	Only engine codes ARZ, APP, APY
**	Does not apply to engine code APY
***	Only to engine code APY

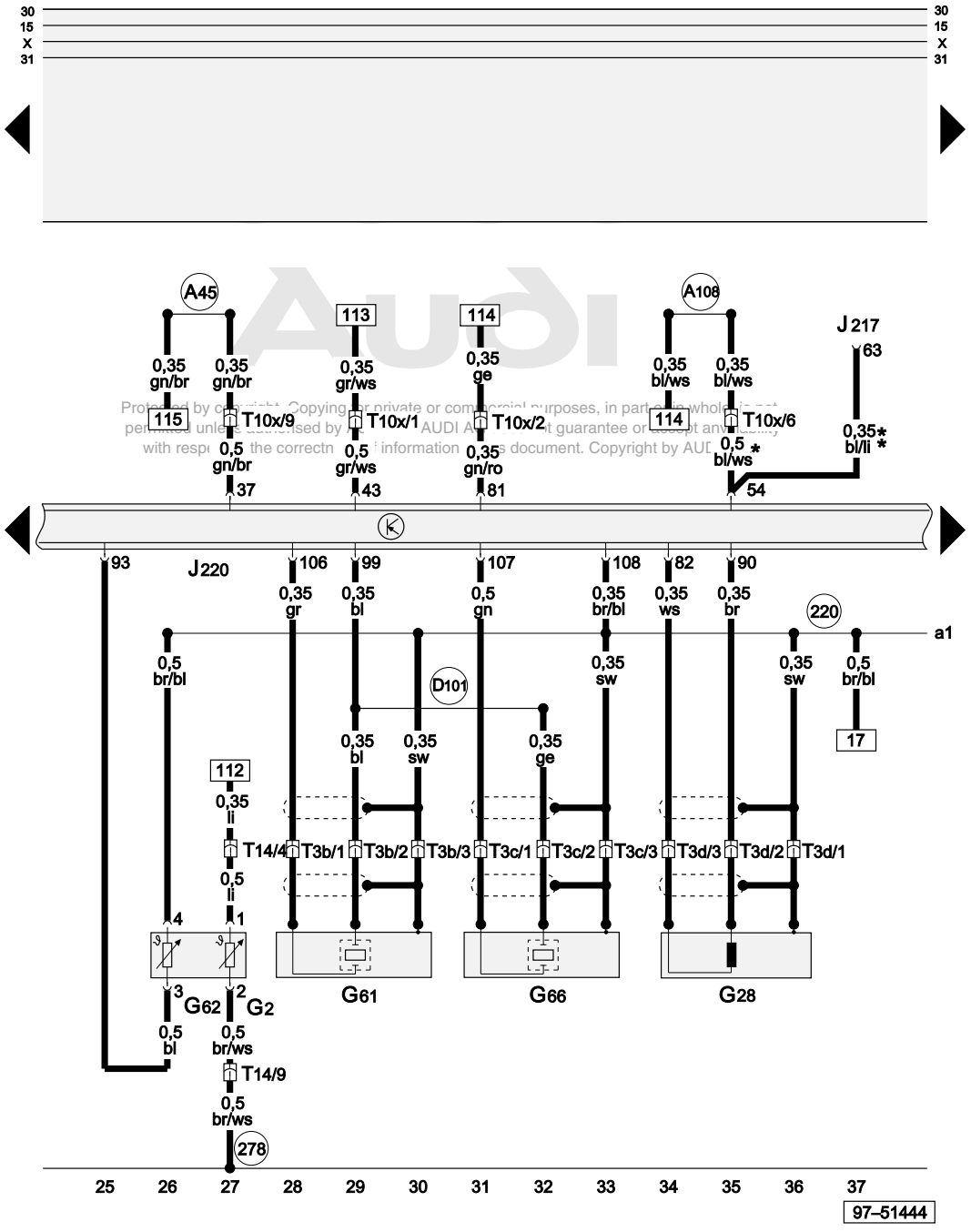


Motronic control unit, fuel pump relay, injectors, Hall sender, Hall sender, charge pressure control solenoid valve, divert air valve

D	Ignition/starter switch
E3	Hazard warning light switch
F88	Power assisted steering pressure switch
G40	Hall sender
J17	Fuel pump relay
J220	Motronic control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N75	Charge pressure control solenoid valve
N249	Turbocharger divert air valve
T6m	6-pin connector, brown, 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- (DC), in interior wiring harness
D140	Connection (injectors), in engine prewiring wiring harness
D141	Connection (5V), in engine prewiring wiring harness
E7	Positive (+) connection (87a), in Motronic wiring harness
*	Only to engine code APY

ws	=	white
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
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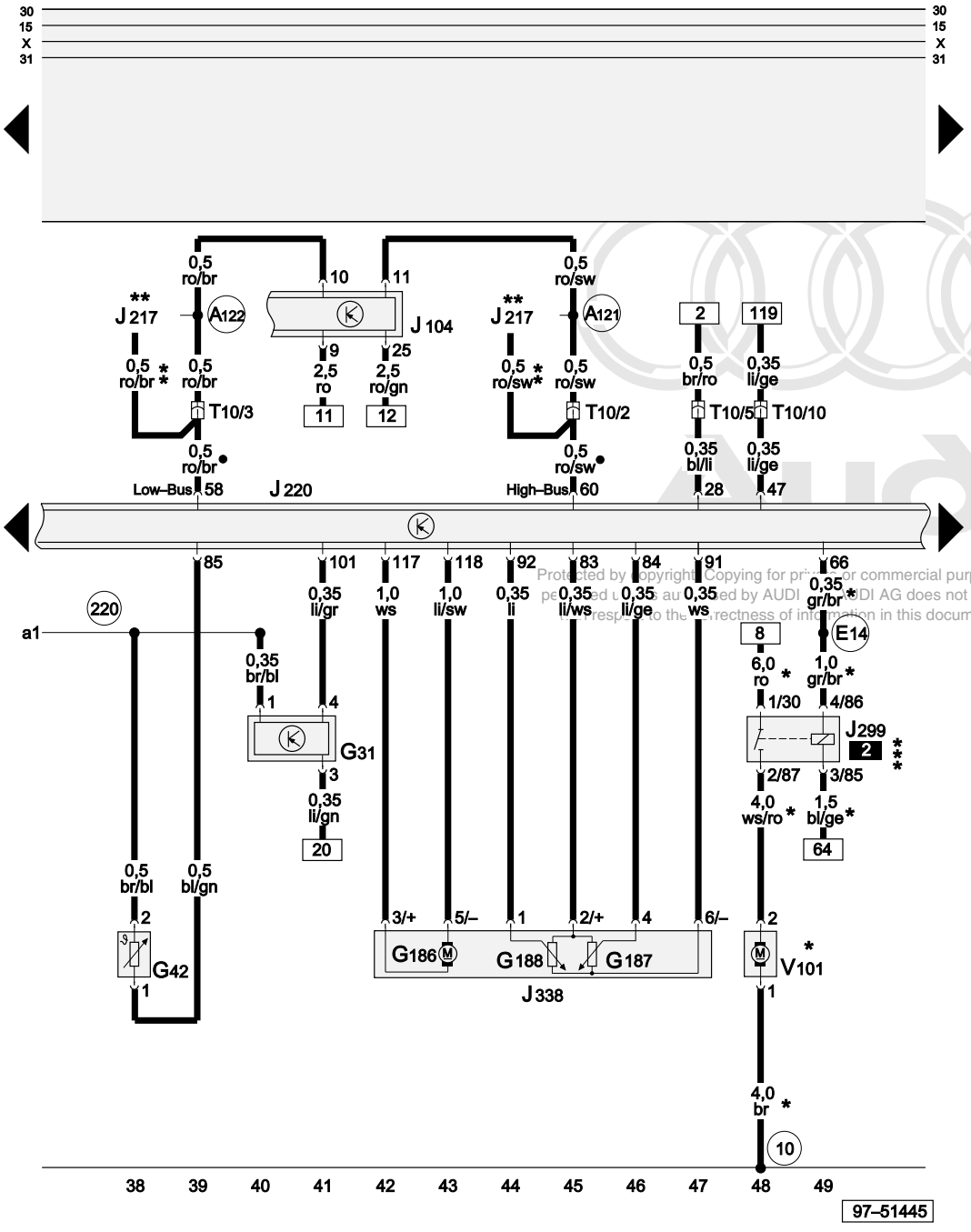
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Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J217	Automatic gearbox control unit
J220	Motronic control unit
T3b	3-pin connector, black, in engine compartment
T3c	3-pin connector, brown, in engine compartment
T3d	3-pin connector, grey, 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
278	Earth connection -4-, in interior 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
*	Does not apply four speed automatic gearbox
**	Only models with five speed automatic gearbox

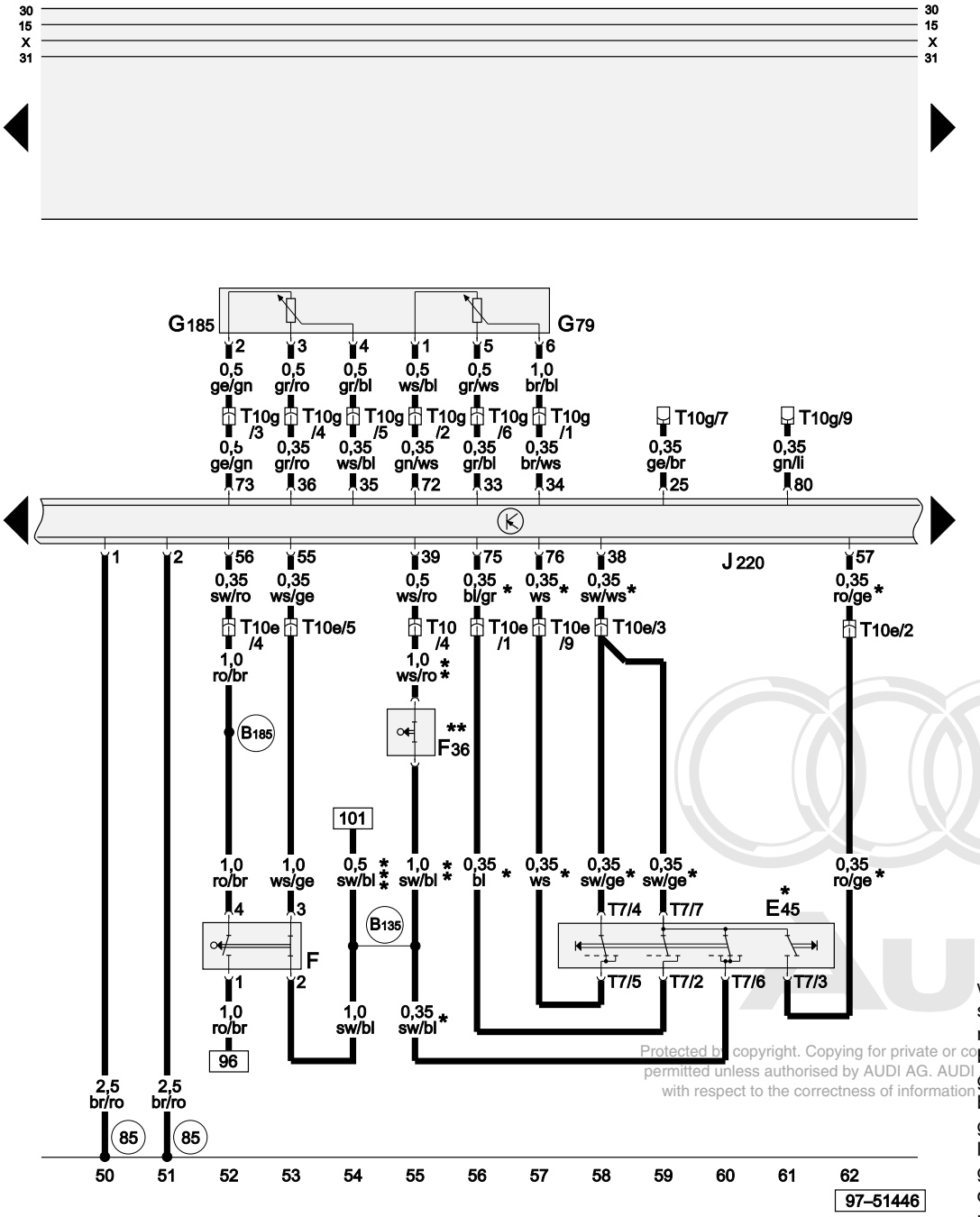


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Radiator fan

G31	Charge air pressure sender
G42	Intake air temperature sender
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J217	Automatic gearbox control unit
J220	Motronic control unit
J299	Secondary air pump relay
J338	Throttle valve control unit
T10	10-pin connector, white, in plenum chamber
V101	Secondary air pump motor
10	Earth point, in plenum chamber
220	Earth connection (sender earth), in engine wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
E14	Connection -1-, in Motronic wiring harness
*	Only engine codes ARZ, APP, APY
**	Only models with automatic gearbox
***	Relay in plenum chamber
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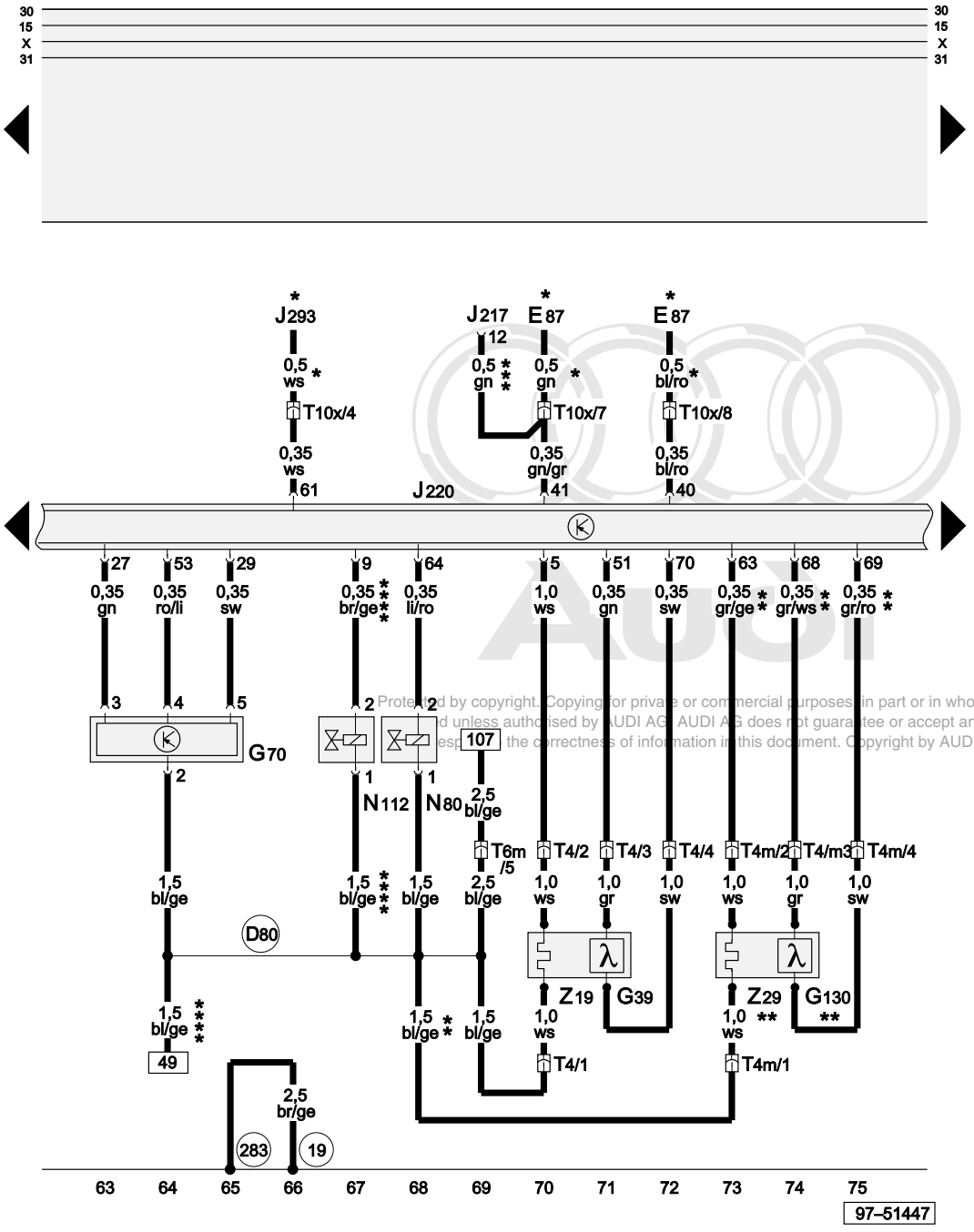


Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

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, behind steering column switch trim
T10e	10-pin connector, black, in plenum chamber
T10g	10-pin connector, blue, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
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 to engine code APY

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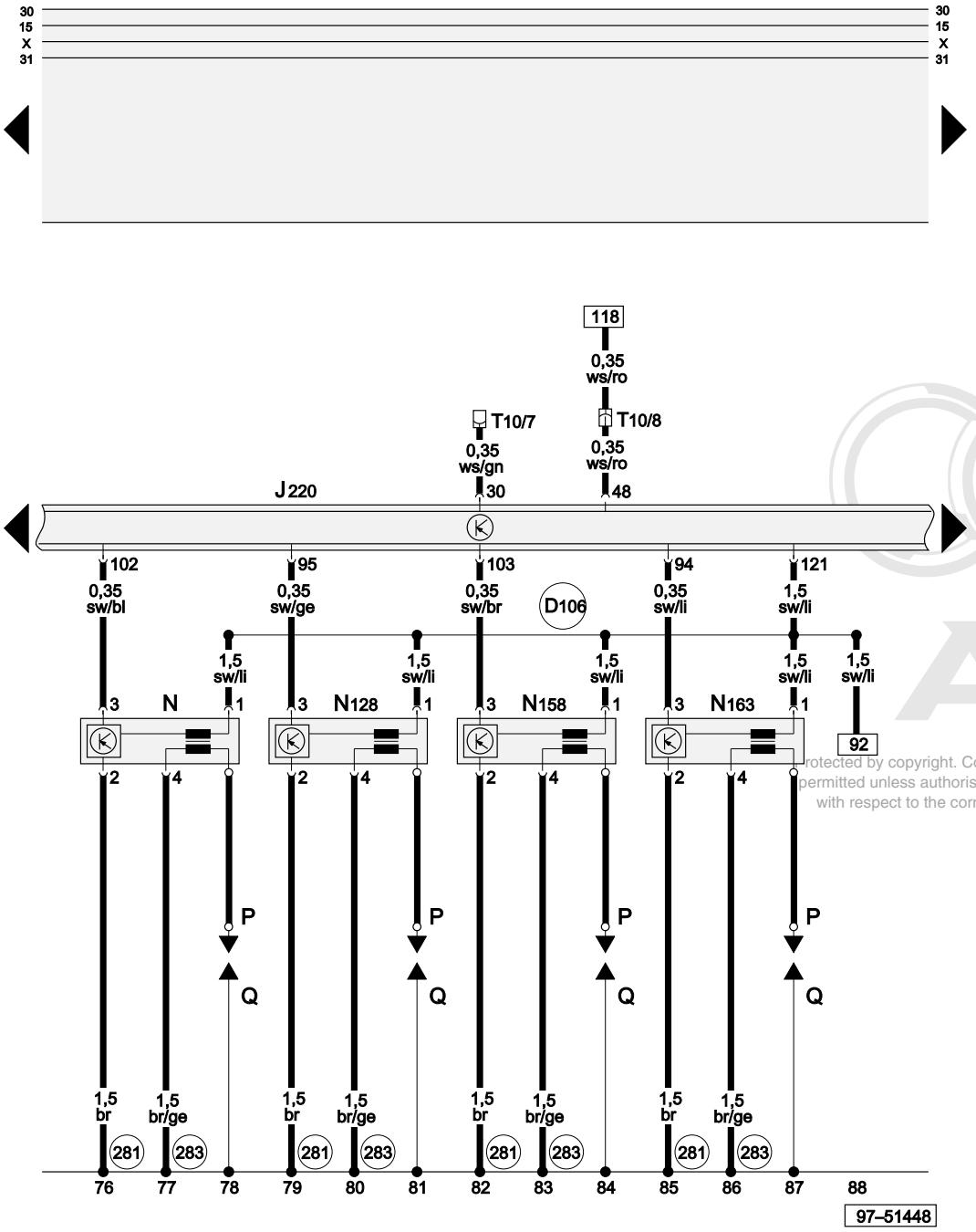


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Simos control unit, lambda probes with additional heater, air mass meter, activated charcoal filter system solenoid valve

E87	Control and display unit for air conditioner
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
N112	Secondary air inlet valve
T4	4-pin connector, in engine compartment, right
T4m	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
Z19	Lambda probe heater
Z29	Lambda probe 1 heater, downstream of catalytic converter
19	Earth point, near coil
283	Earth connection -2-, in engine prewiring wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Only models with air conditioner
**	Does not apply to engine code APY
***	Only models with automatic gearbox
****	Only engine codes ARZ, APP, APY



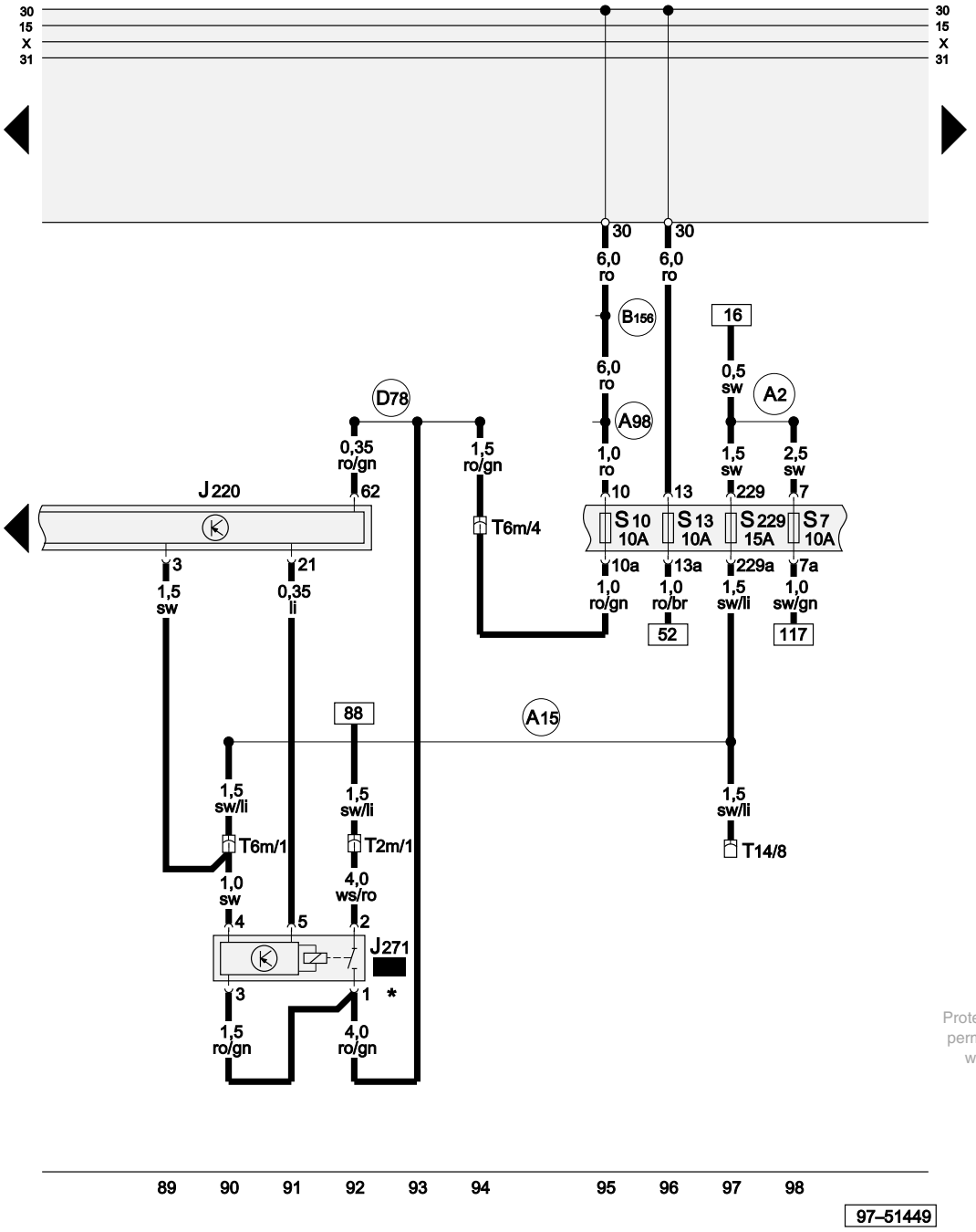
Motronic control unit, ignition system

J220	Motronic control unit
N	Ignition coil 1
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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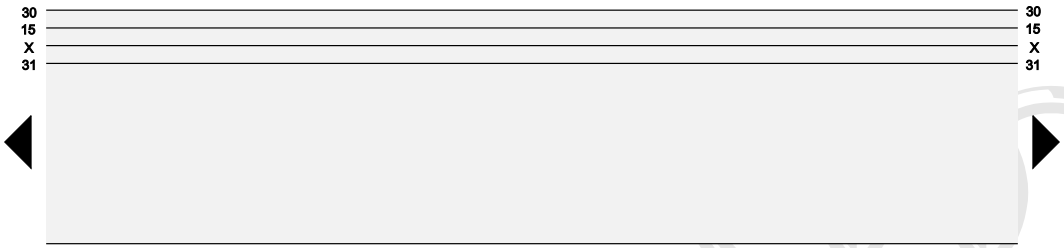


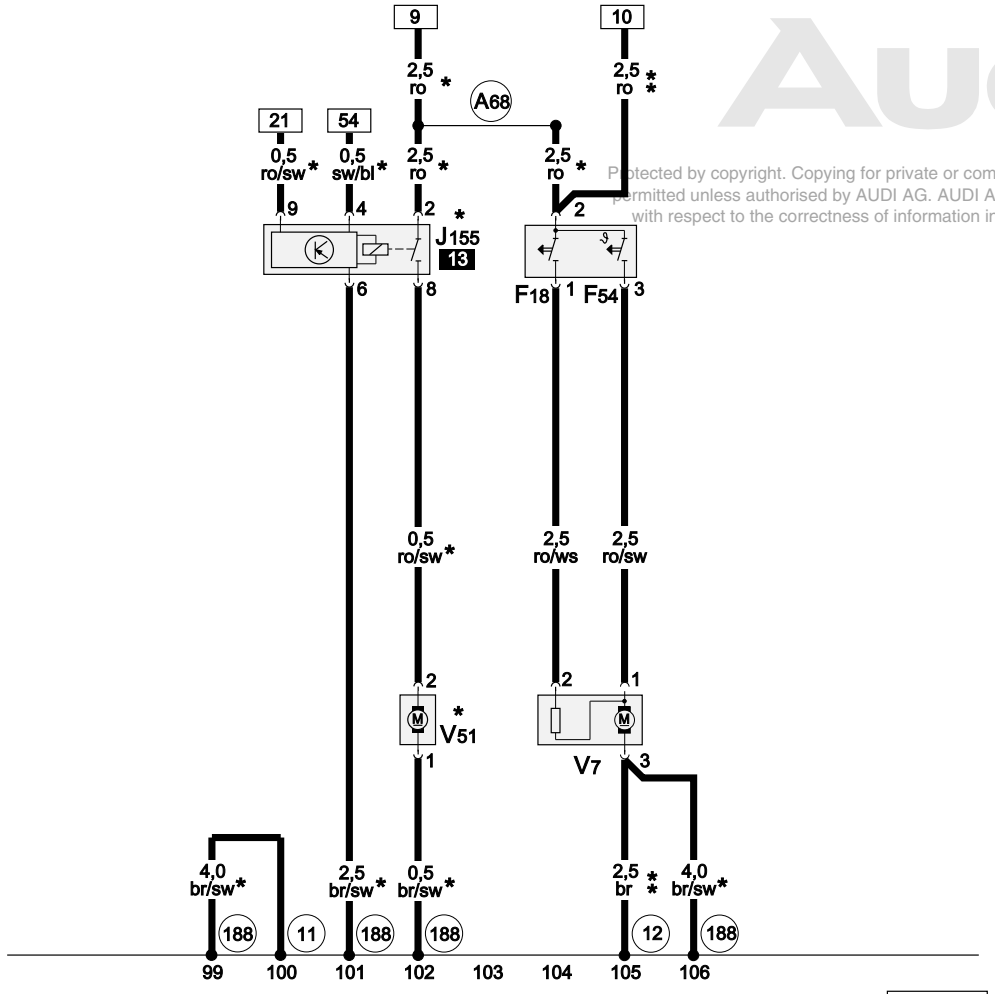
Motronic control unit, current supply relay

J220	Motronic control unit
J271	Motronic current supply relay
S7	Fuse in fuse box
S10	Fuse in fuse box
S13	Fuse in fuse box
S229	Fuse in fuse box
T2m	2-pin connector, wiring duct, in engine compartment, left
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
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness
*	Relay in plenum chamber

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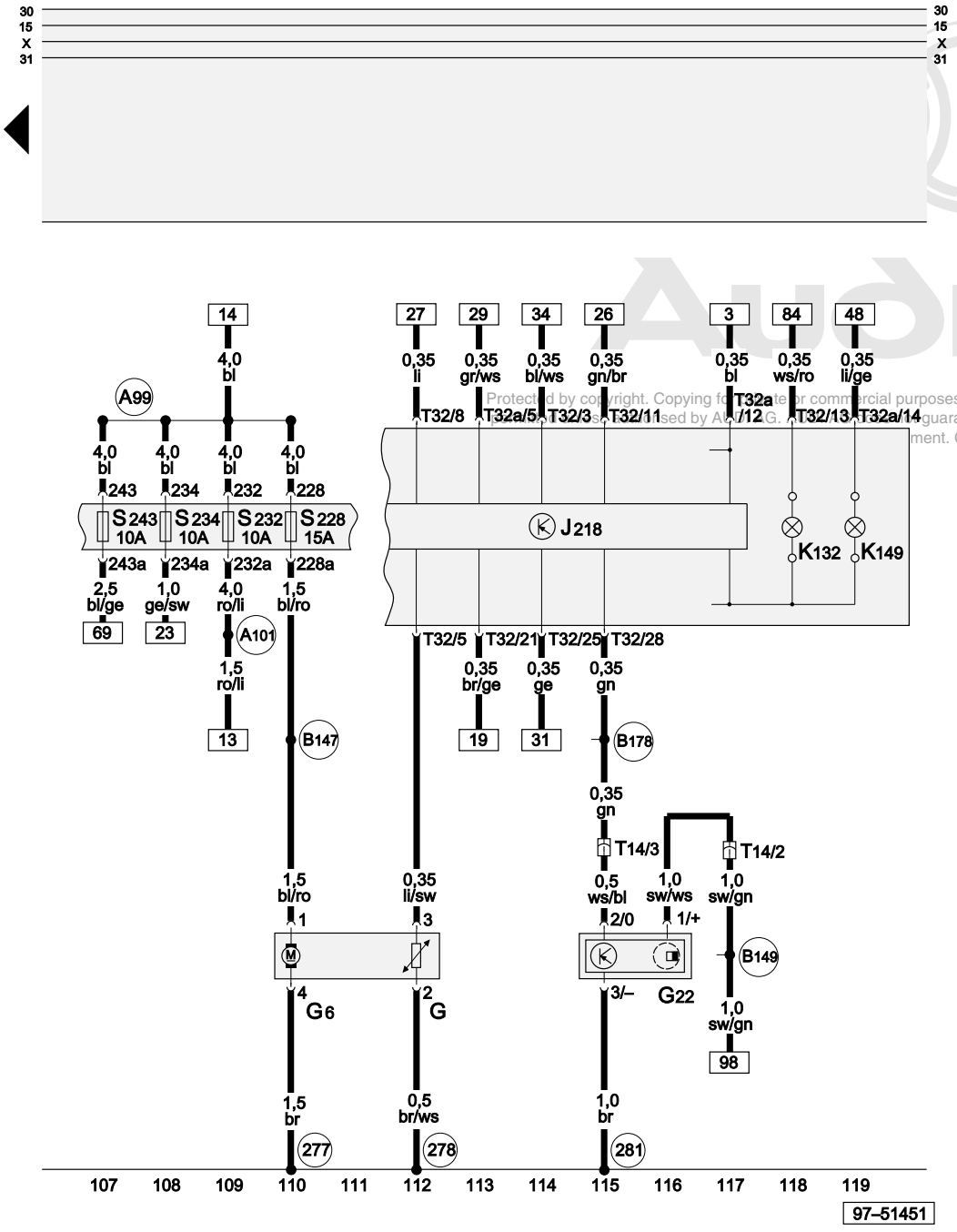


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Radiator fan

F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J155	Coolant pump control unit
V7	Radiator fan
V51	Continued circulation of coolant 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 APY only, models not equipped with air conditioner
**	Does not apply to engine code APY

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

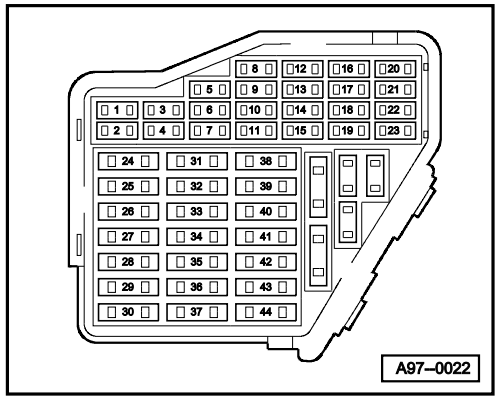
G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender, (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
K132	Electronic power control fault lamp
K149	Engine electronics warning lamp
S228	Fuse in fuse box
S232	Fuse in fuse box
S234	Fuse in fuse box
S243	Fuse in fuse box
T14	14-pin connector, in engine compartment, left
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
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
B178	Connection (speed signal), in interior wiring harness

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Four-speed automatic gearbox with selector lever lock (01M)

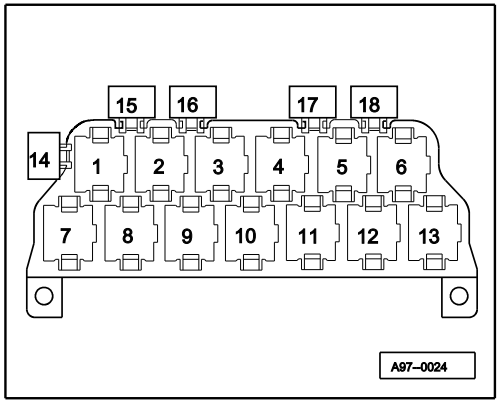
From model year 2000

Fuse box:



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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Position of relays:

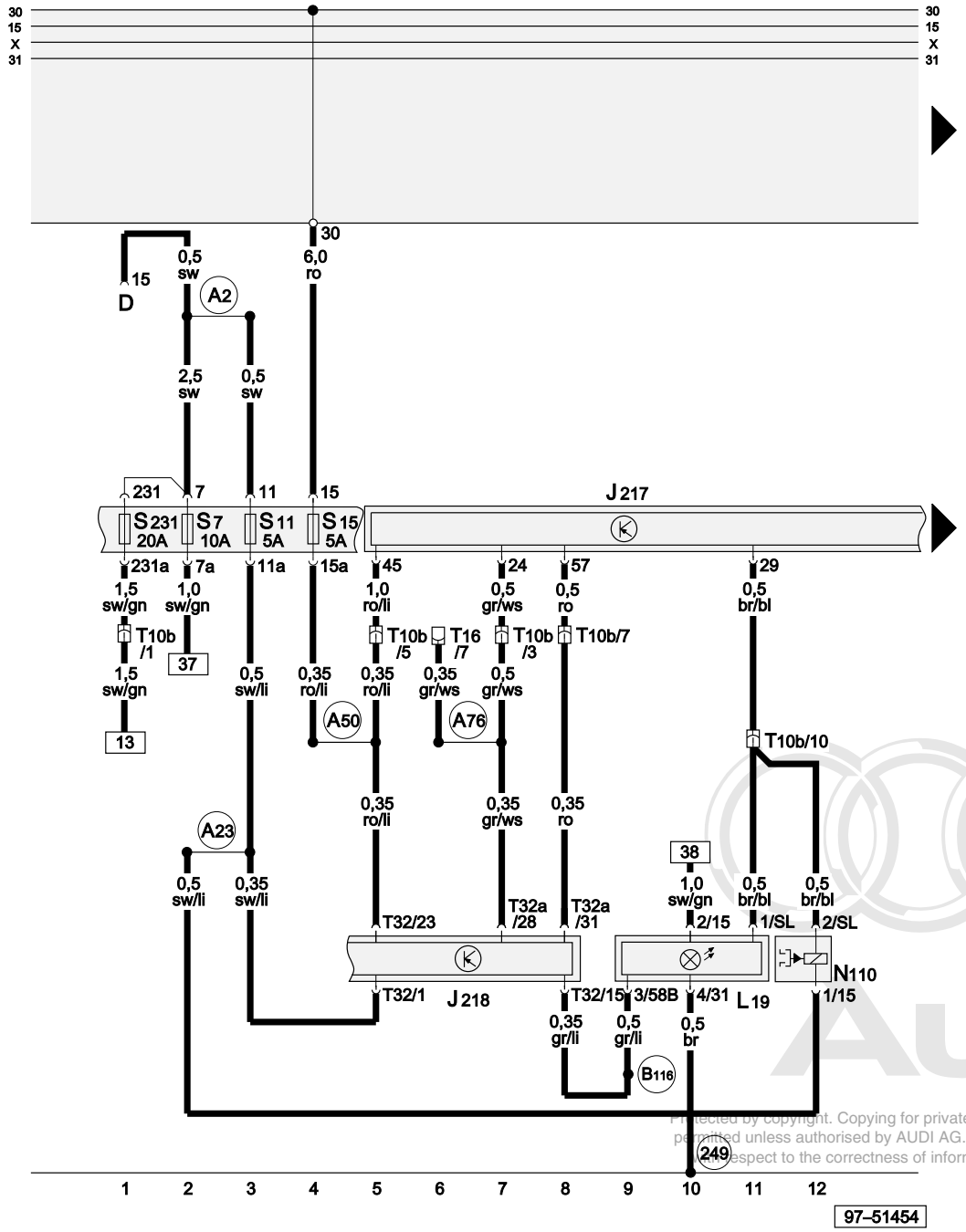
11 - Starter inhibitor and reversing light relay

Fuse colours

30 A - green
25 A - white
20 A - yellow

15 A - blue
10 A - red
5A - beige

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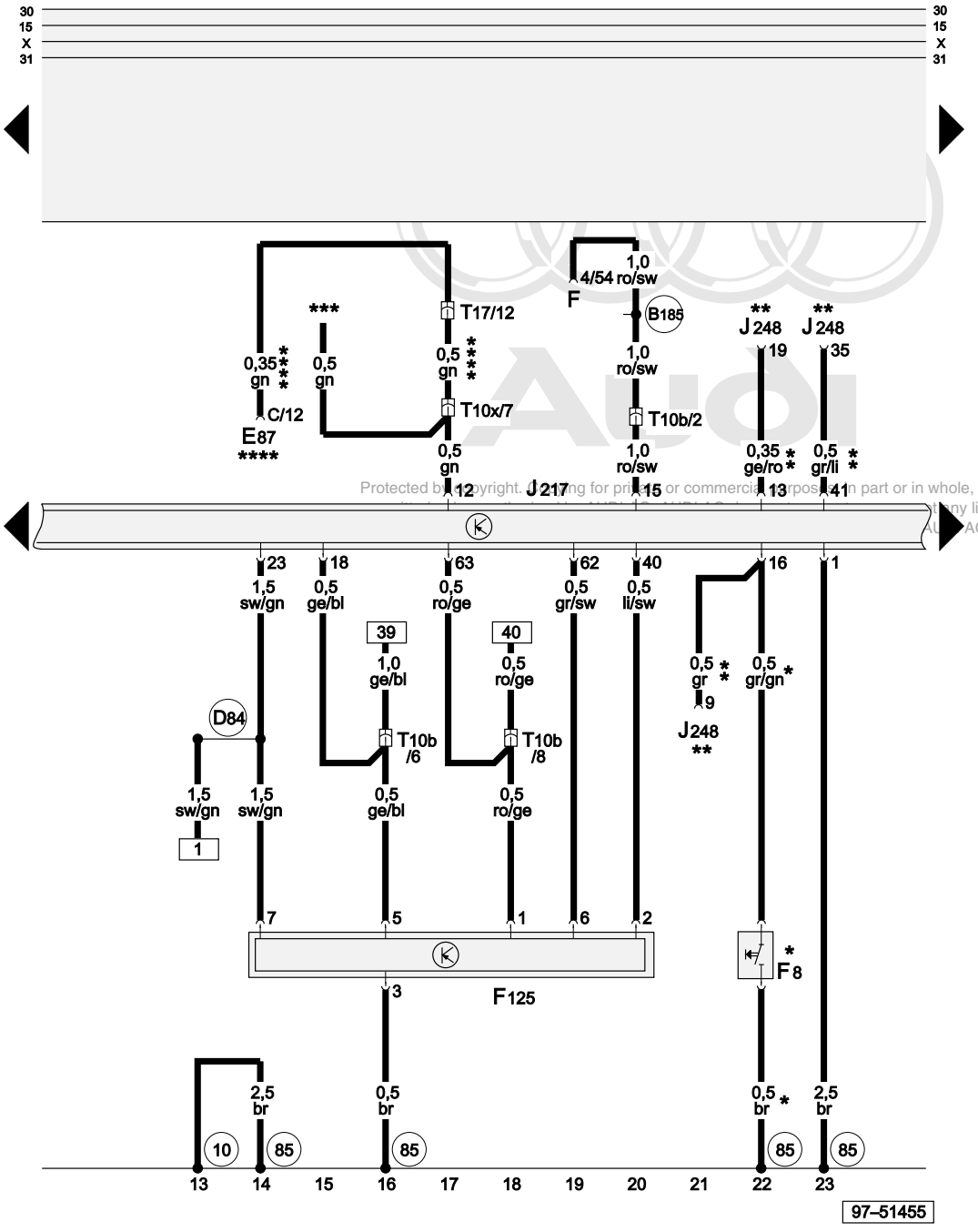


Four-speed automatic gearbox with selector lever lock (01M)

D	Ignition/starter switch
J189	Auto-check system
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
L19	Gear selector light bulb
N110	Selector lever lock solenoid
T10b	10-pin connector, grey, in plenum chamber
T16	16-pin connector, black, in 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
A2	Positive (+) connection (15), in dash panel wiring harness
A23	Connection (30al), in dash panel wiring harness
A50	Positive (+) connection (30as), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
B116	Connection (58d), 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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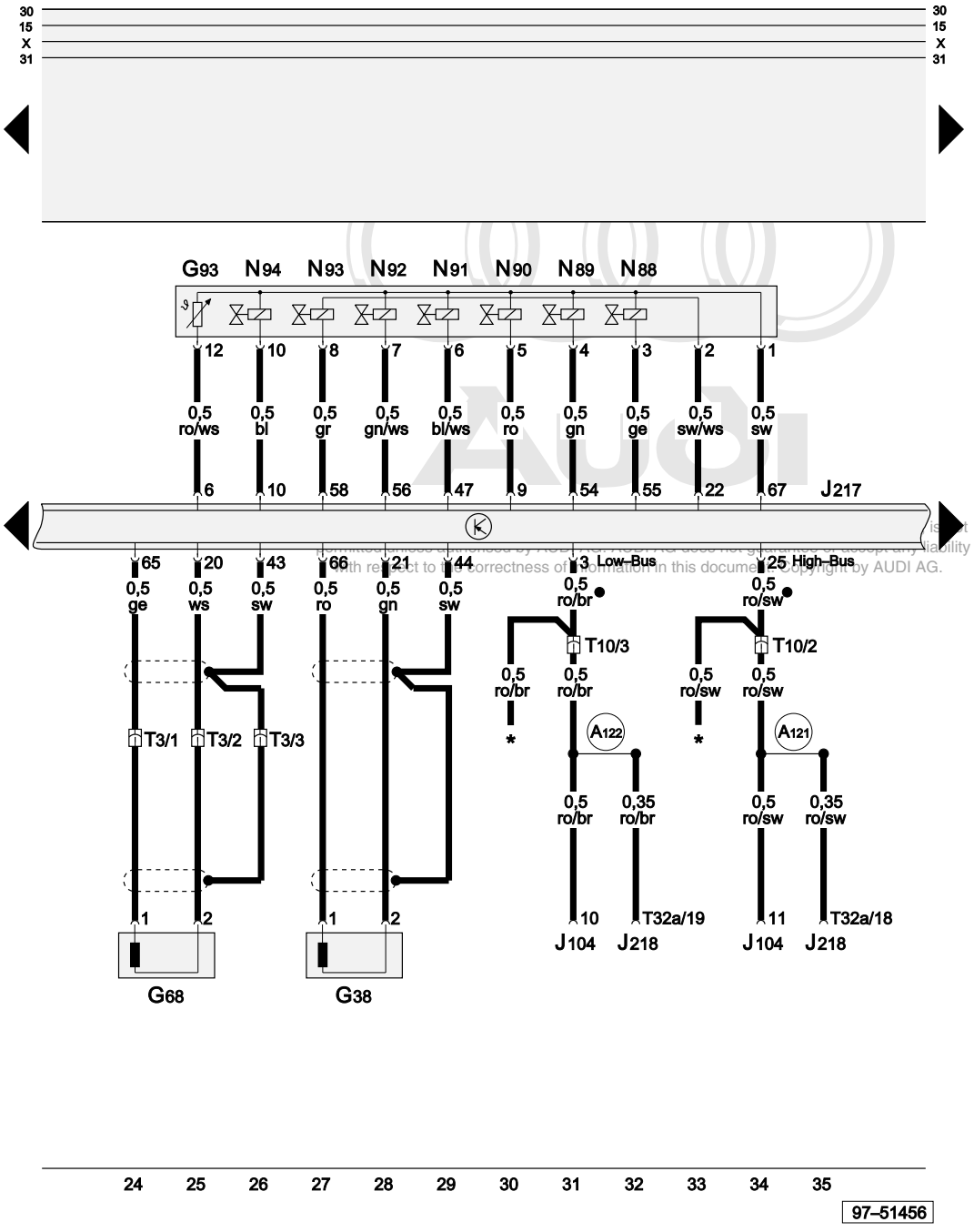


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Four-speed automatic gearbox with selector lever lock (01M)

E87	Control and display unit for air conditioner
F	Brake light switch
F8	Kick-down switch
F125	Multi-function switch
J217	Automatic gearbox control unit
J248	Diesel direct injection system control unit
T10b	10-pin connector, grey, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T17	17-pin connector, behind dash panel, right
10	Earth point, 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
*	Applies to engine codes AEH and AGN only
**	Applies to engine codes AGR, ALH (ANU), AHF and ASV only
***	See applicable engine version
****	Only models with air conditioner

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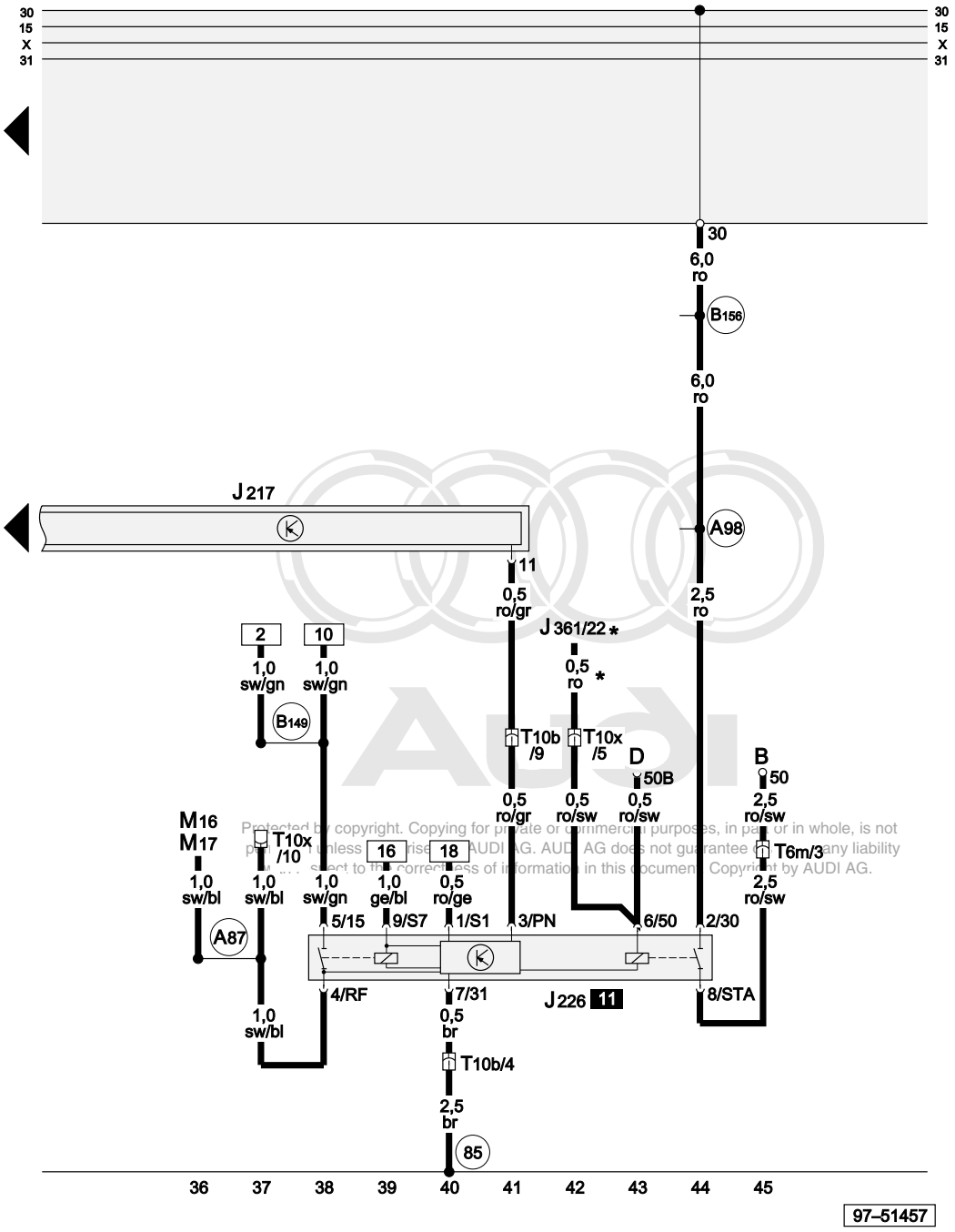


Four-speed automatic gearbox with selector lever lock (01M)

G38	Gearbox speed sender
G68	Vehicle speed sender (inductive sender, 2 connections)
G93	Gearbox oil temperature sender
J104	ABS with EDL control unit
J217	Automatic gearbox control unit
J218	Combi-processor in dash panel insert
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, on gearbox
T10	10-pin connector, white, in plenum chamber
T32a	32-pin connector, green, on dash panel insert
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
*	See applicable engine version
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	CAN bus (data wire)

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

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

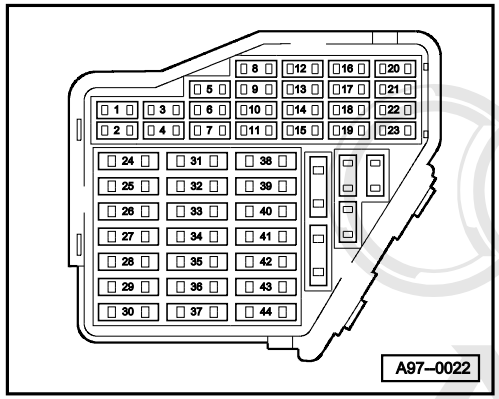
Four-speed automatic gearbox with selector lever lock (01M)

B	Starter
D	Ignition/starter switch
J217	Automatic gearbox control unit
J226	Starter inhibitor and reversing light relay
J361	Simos control unit
M16	Reversing light bulb, left
M17	Reversing light bulb, right
T6m	6-pin connector, brown, in plenum chamber
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
A87	Connection (RL), in dash panel wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B149	Positive (+) connection -2- (15a), in interior wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness
*	Applies to engine code AEH only

Headlights with gas discharge lamps and automatic headlight range control (for 1.8 litre turbo engine with Motronic, 154 kW, S3)

From model year 2000

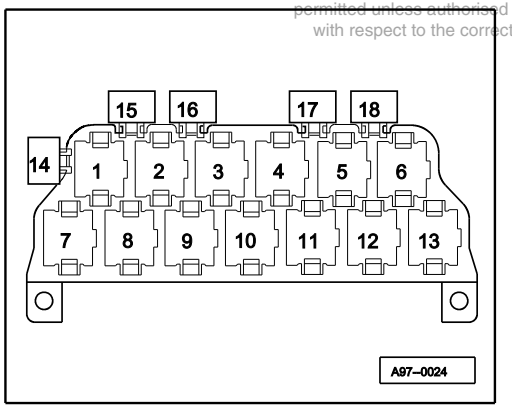
Fuse box:



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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Position of relays:

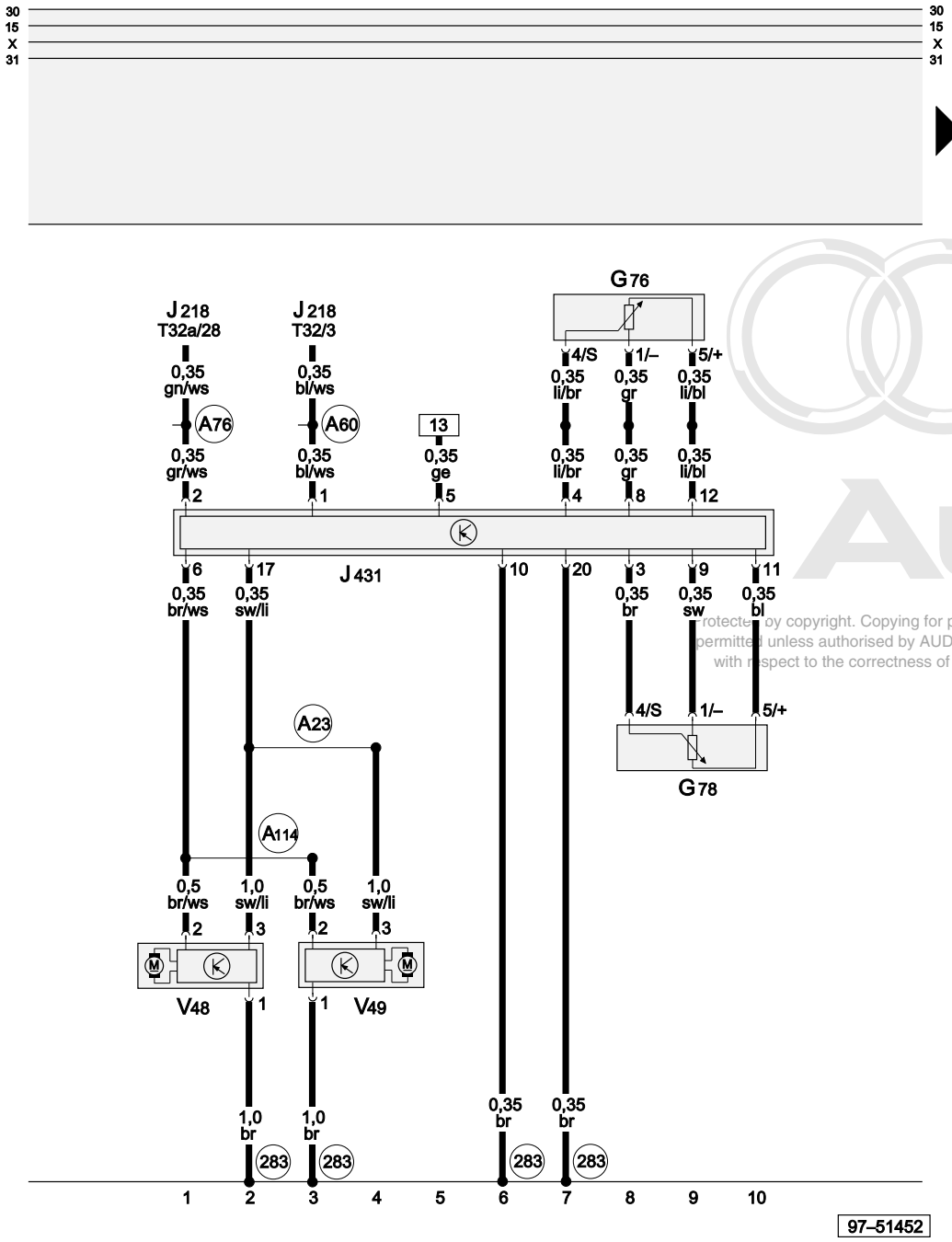
2 - Bulb monitoring device

3 - Bulb monitoring device

Fuse colours

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

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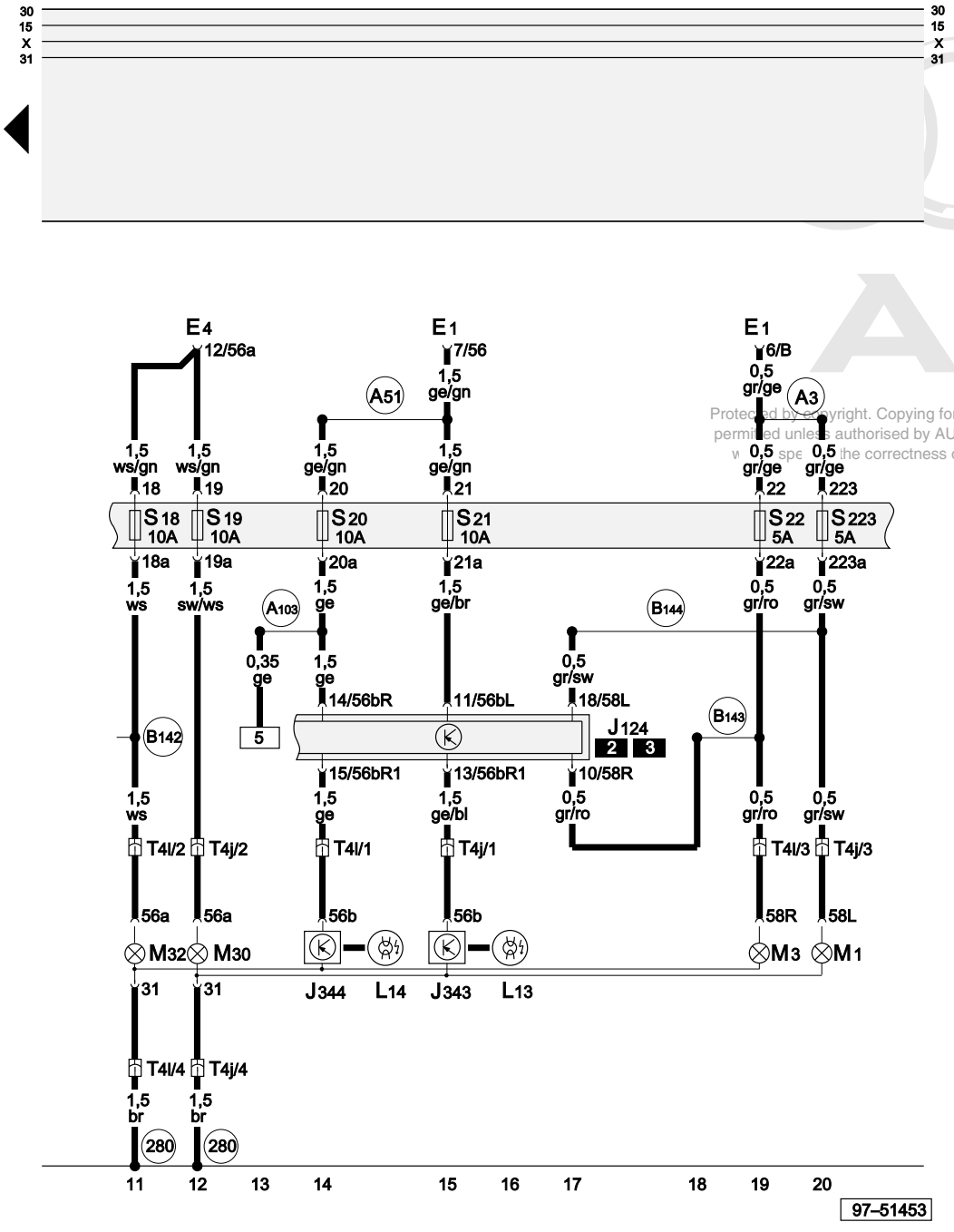


Headlights with gas discharge lamps and automatic headlight range control (for 1.8 litre turbo engine with Motronic, 154 kW, S3)

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
283	Earth connection -2-, in engine prewiring wiring harness
A23	Connection (30al), in dash panel wiring harness
A60	Connection (vehicle speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A114	Connection (headlight range control), 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



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 and automatic headlight range control (for 1.8 litre turbo engine with Motronic, 154 kW, S3)

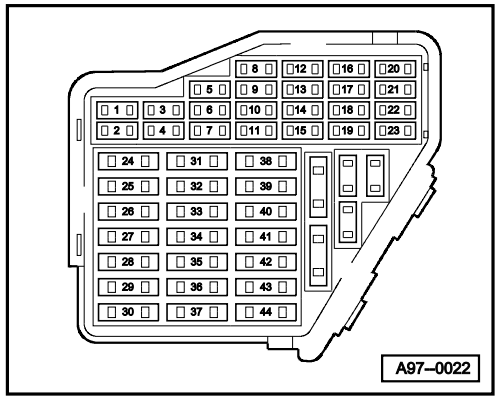
E1	Lighting switch
E4	Headlight dipper/flasher switch
J124	Bulb monitoring device, rear
J343	Left gas discharge lamp control unit
J344	Right gas discharge lamp control unit
L13	Left gas discharge lamp
L14	Right gas discharge lamp
M1	Side light bulb, left
M3	Side light bulb, right
M30	Main beam bulb, left
M32	Main beam bulb, right
S18	Fuse in fuse box
S19	Fuse in fuse box
S20	Fuse in fuse box
S21	Fuse in fuse box
S22	Fuse in fuse box
S223	Fuse in fuse box
T4j	4-pin connector, headlight, left
T4l	4-pin connector, headlight, right
280	Earth connection -2-, in engine compartment wiring harness
A3	Positive (+) connection (58), in dash panel 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

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

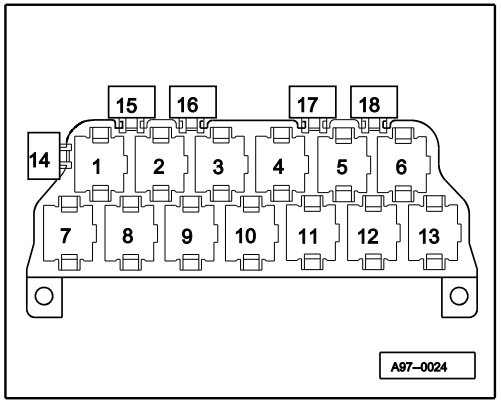
From model year 2000

Fuse box:



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:

10 - Door warning lamps control unit

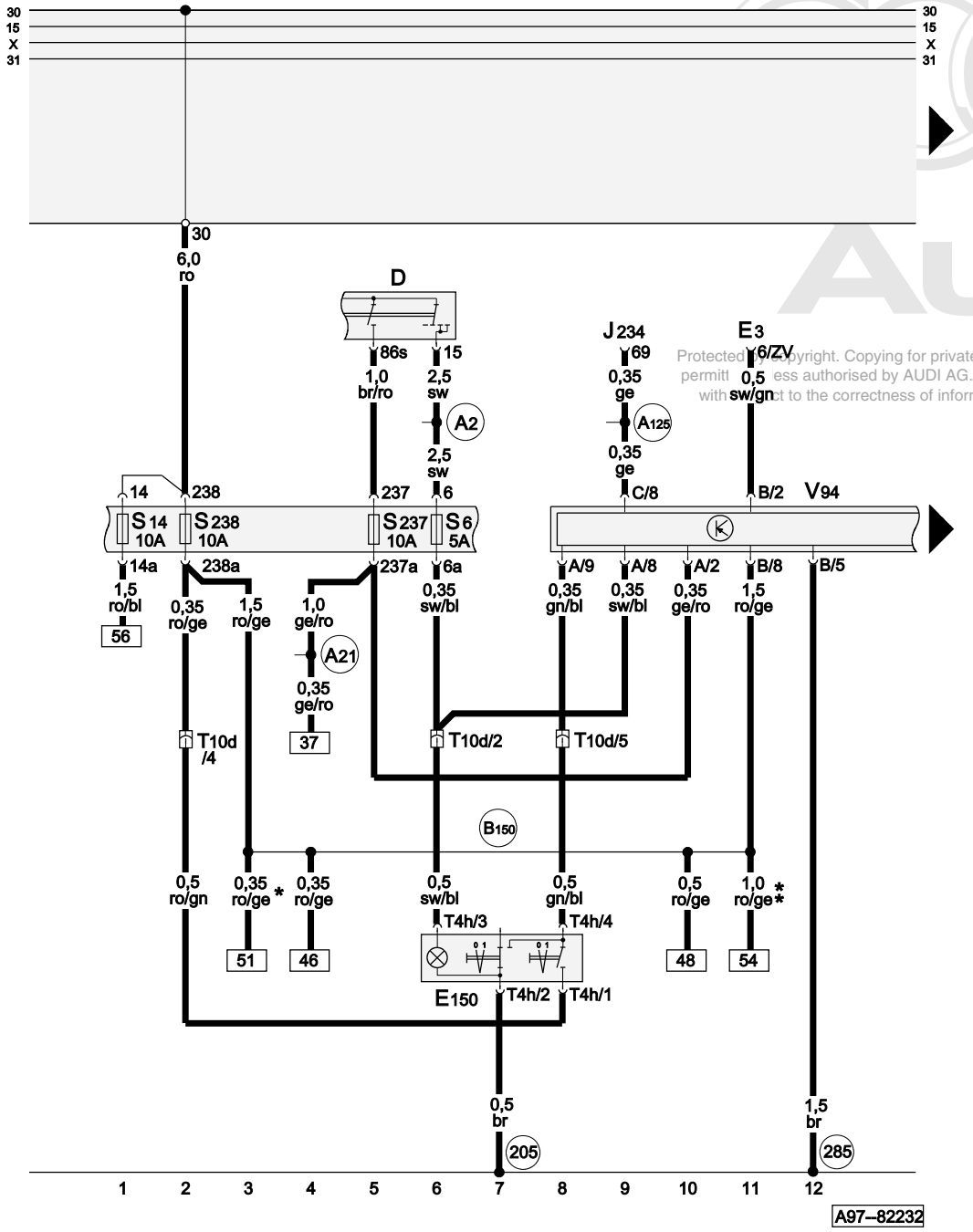
Fuse colours:

30 A - green
25 A - white
20 A - yellow

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15 A - blue
10 A - red

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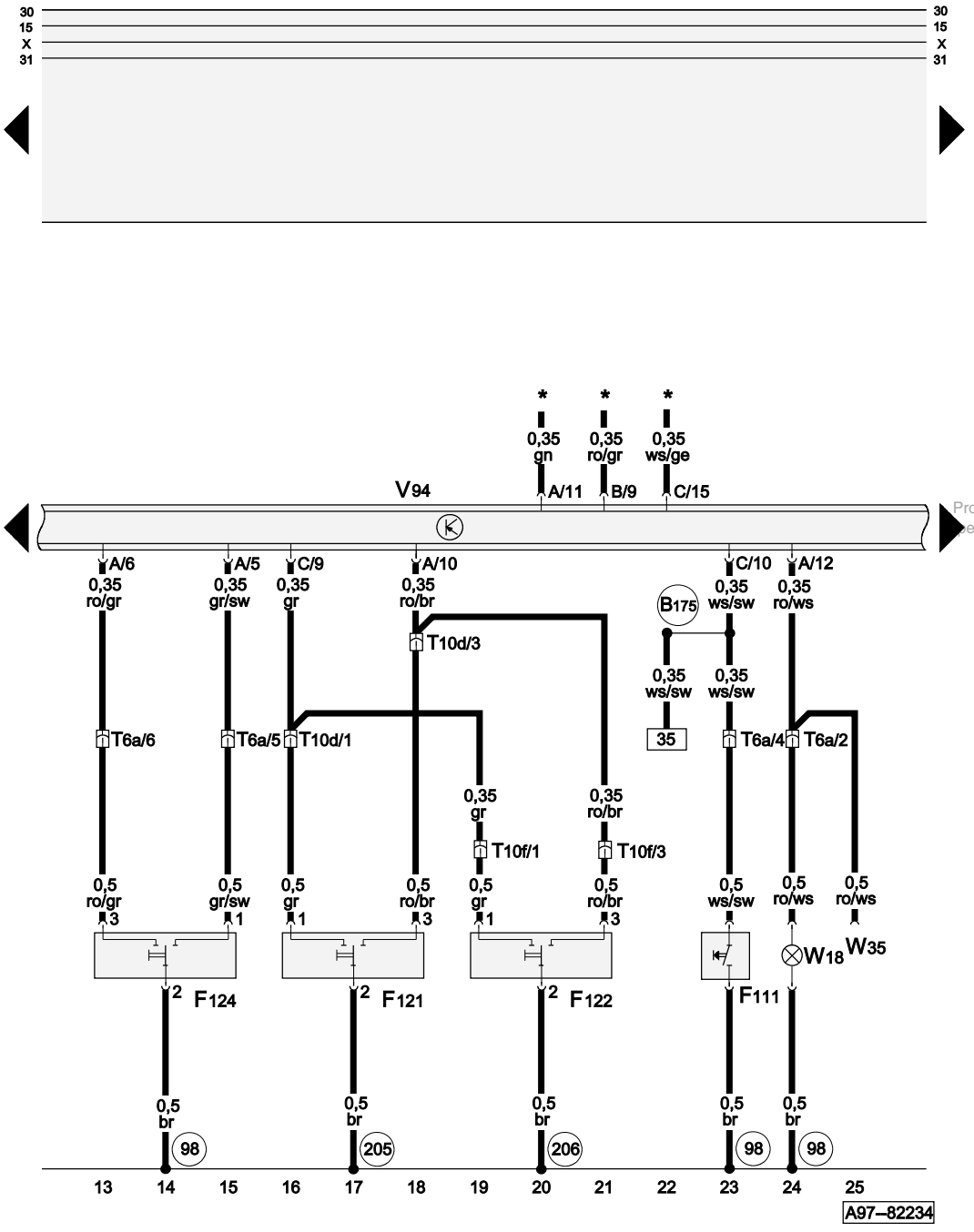


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

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

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
S14	Fuse in fuse box
S237	Fuse in fuse box
S238	Fuse in fuse box
T4h	4-pin connector, black, 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
285	Earth connection -7-, 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
**	Applies to models for Great Britain only

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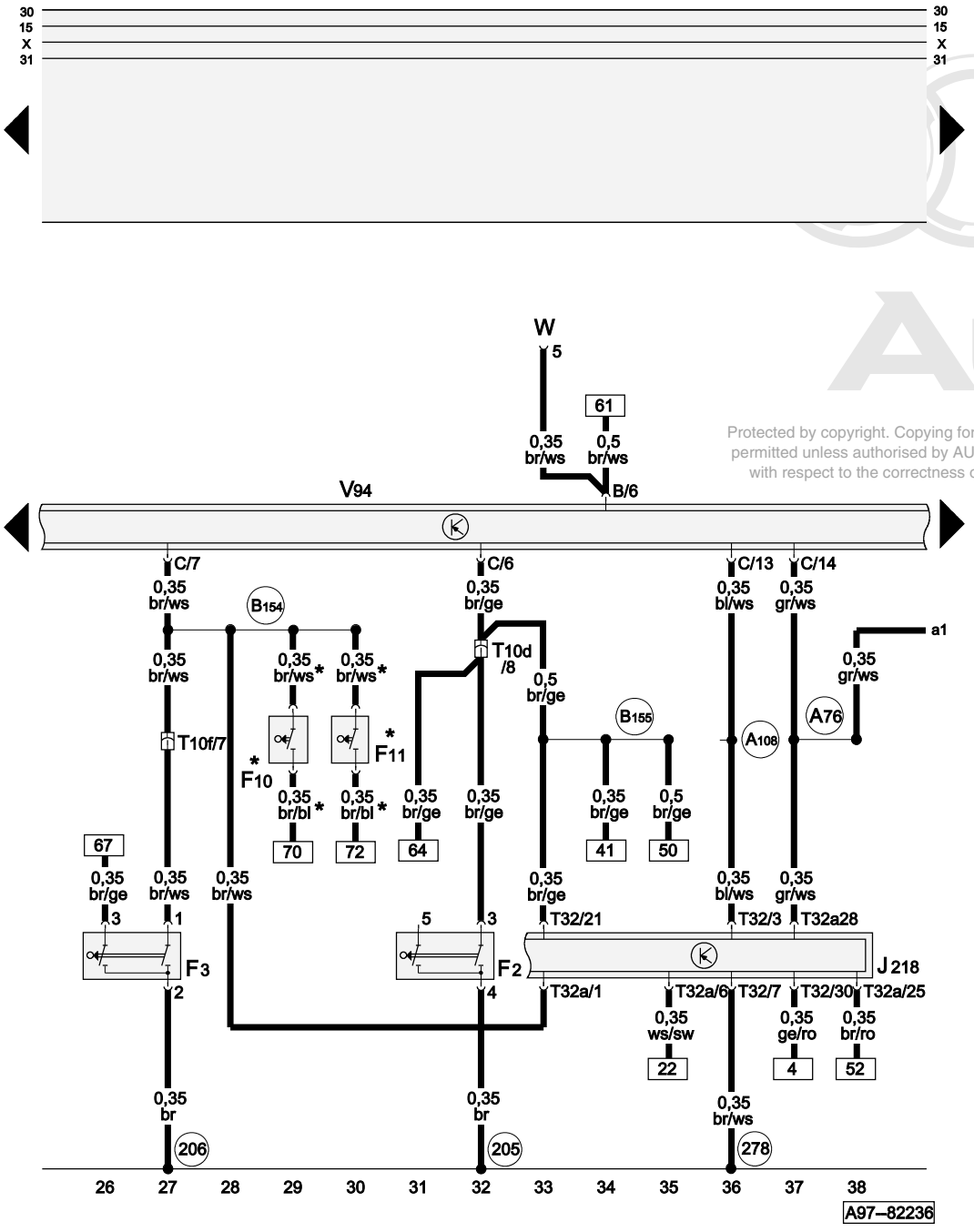


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

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
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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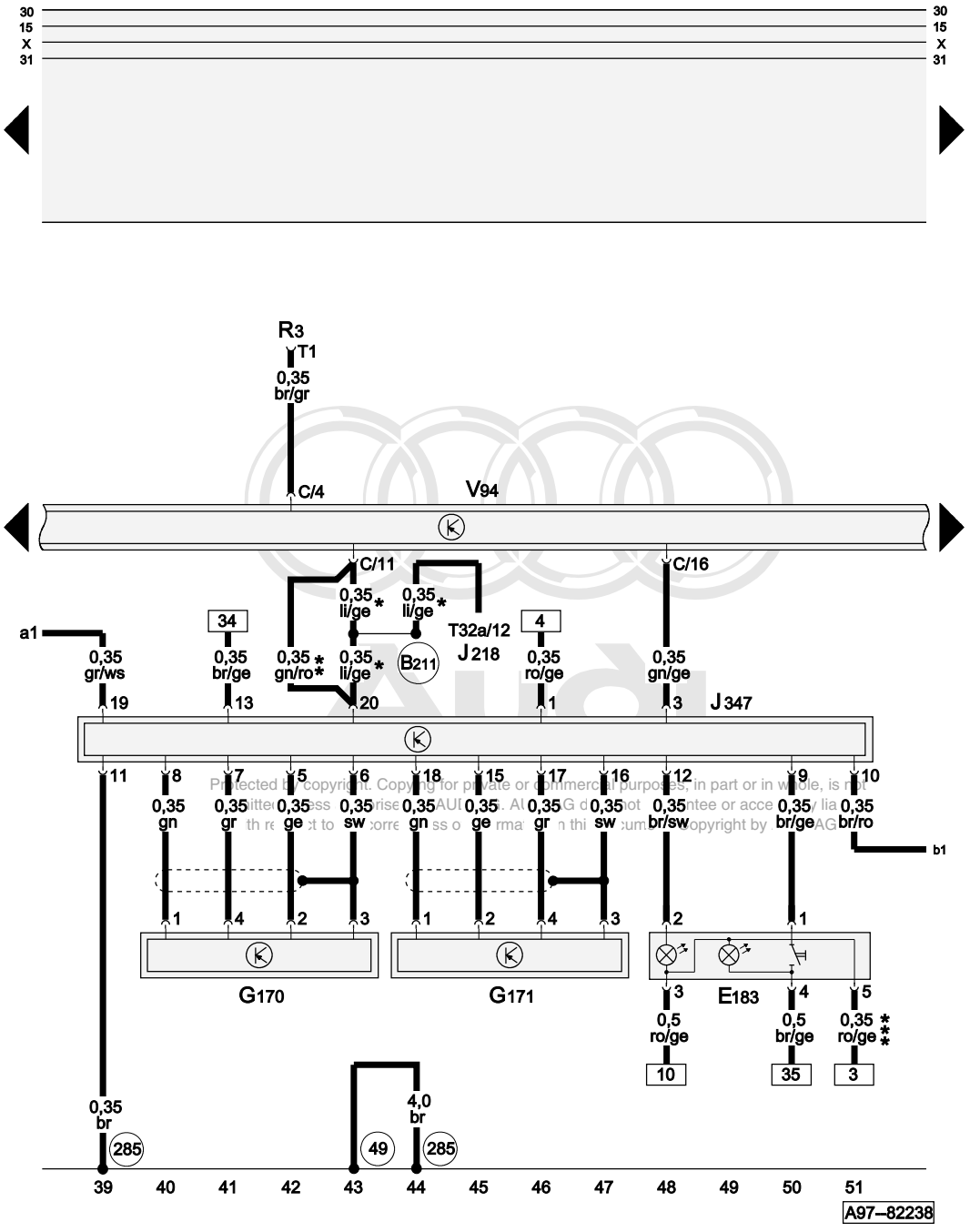


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

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

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
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
206	Earth connection, in door wiring harness - front passenger's side
278	Earth connection -4-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B154	Connection -1- (DC), in interior wiring harness
B155	Connection -2- (DC), in interior wiring harness
*	Only on 4-door models

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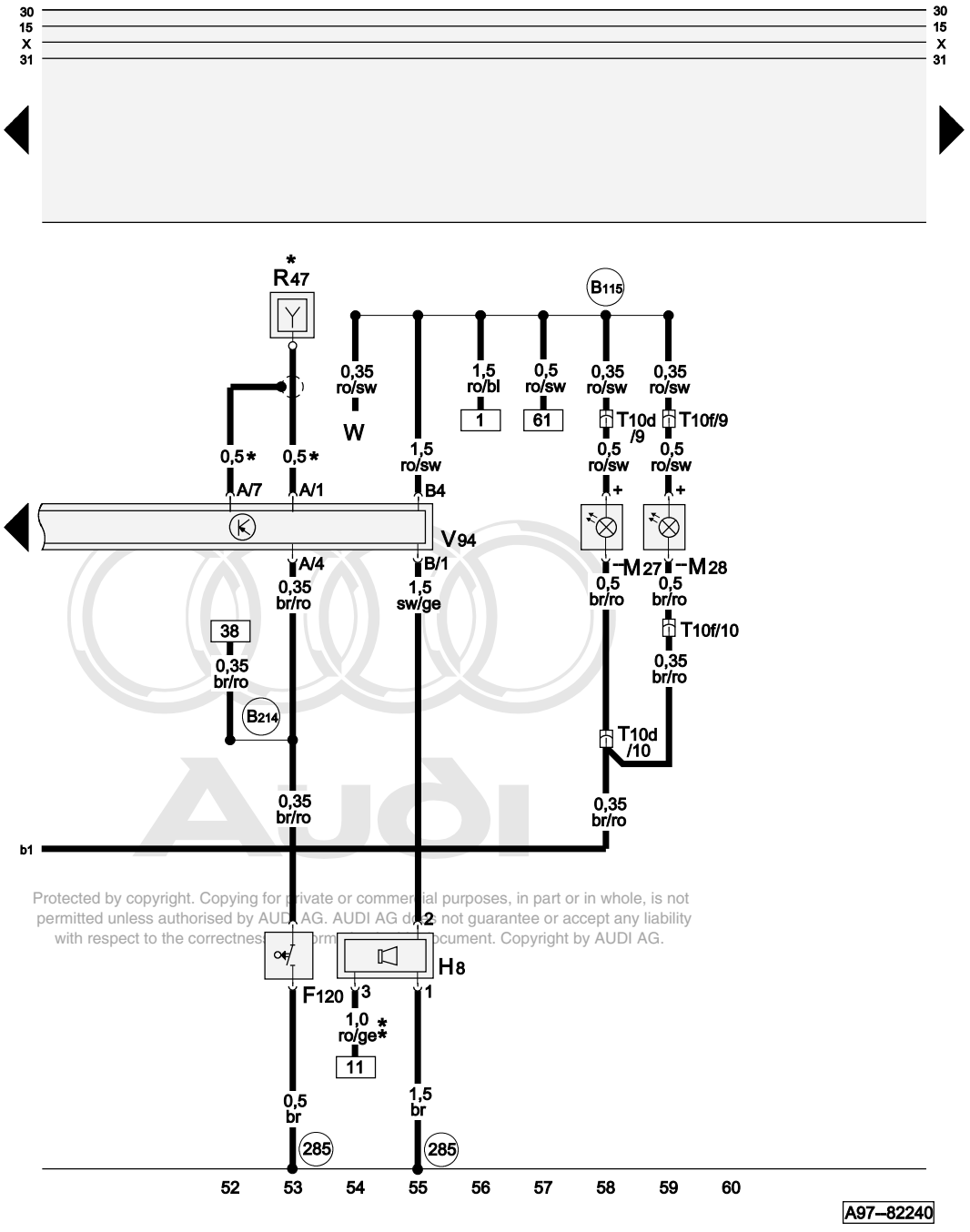


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

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

E183	Interior monitor switch
G170	Left ultra-sonic sensor for anti-theft alarm system
G171	Right ultra-sonic sensor for anti-theft alarm system
J218	Combi-processor in dash panel insert
J347	Ultra-sonic sensor control unit
R	Radio
T1	Single connector, brown, on radio
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
49	Earth point, next to steering columm, left
285	Earth connection -7-, in interior wiring harness
B211	Positive (+) connection -1- (Climatronic rear), in interior wiring harness
*	Applies to models for Great Britain only
**	Does not apply to models for Great Britain
***	Only on 4-door models

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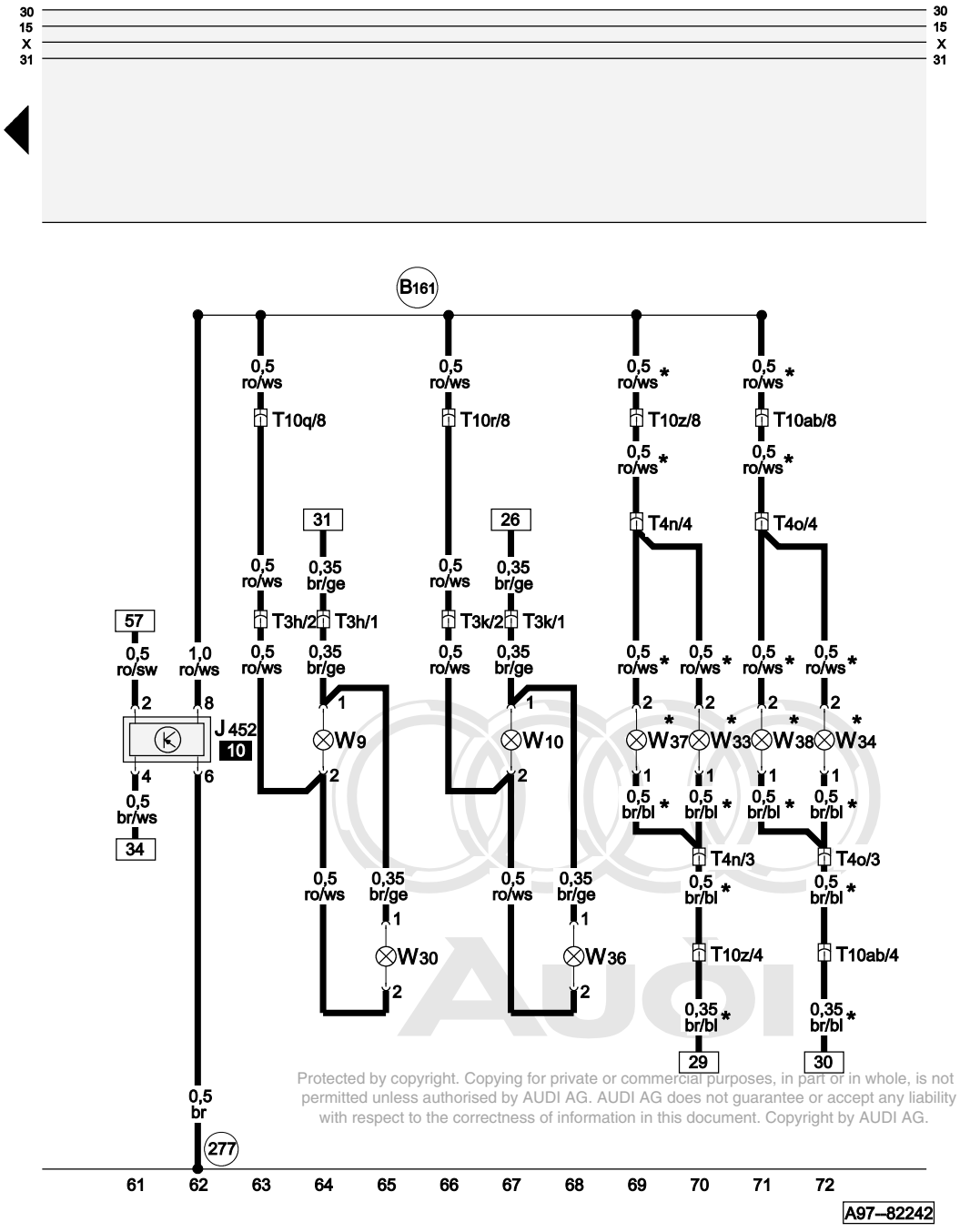


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Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring, door warning lamps

F120	Anti-theft alarm 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
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
**	Applies to models for Great Britain only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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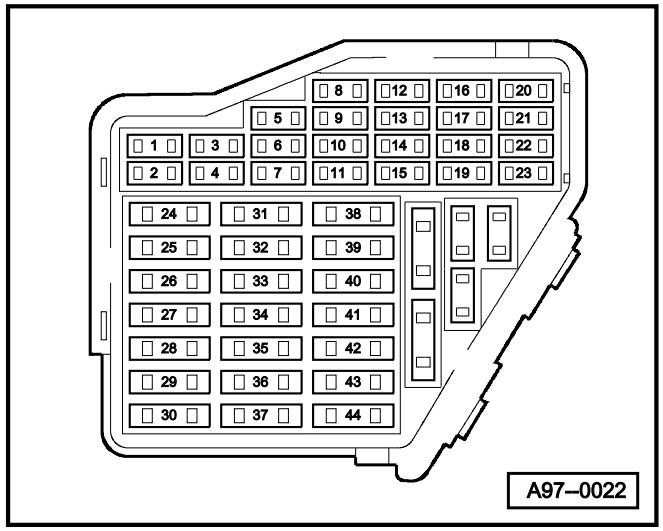
Central locking system with interior lights switch-off delay and anti-theft alarm system with interior monitoring, door warning lamps

J452	Door warning lamps control unit
T3h	3-pin connector, black, in driver's door
T3k	3-pin connector, black, 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, right
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

Electrically adjustable interior and exterior mirrors with retraction function, automatic anti-dazzle interior and exterior mirrors

From model year 2000

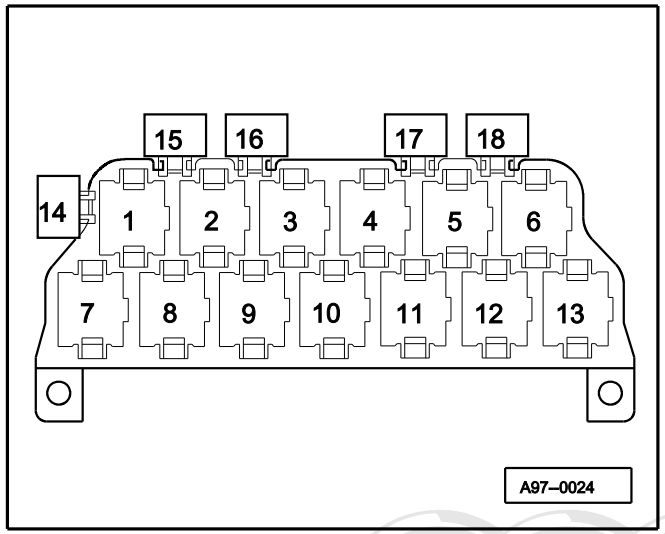
Fuse box:



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:



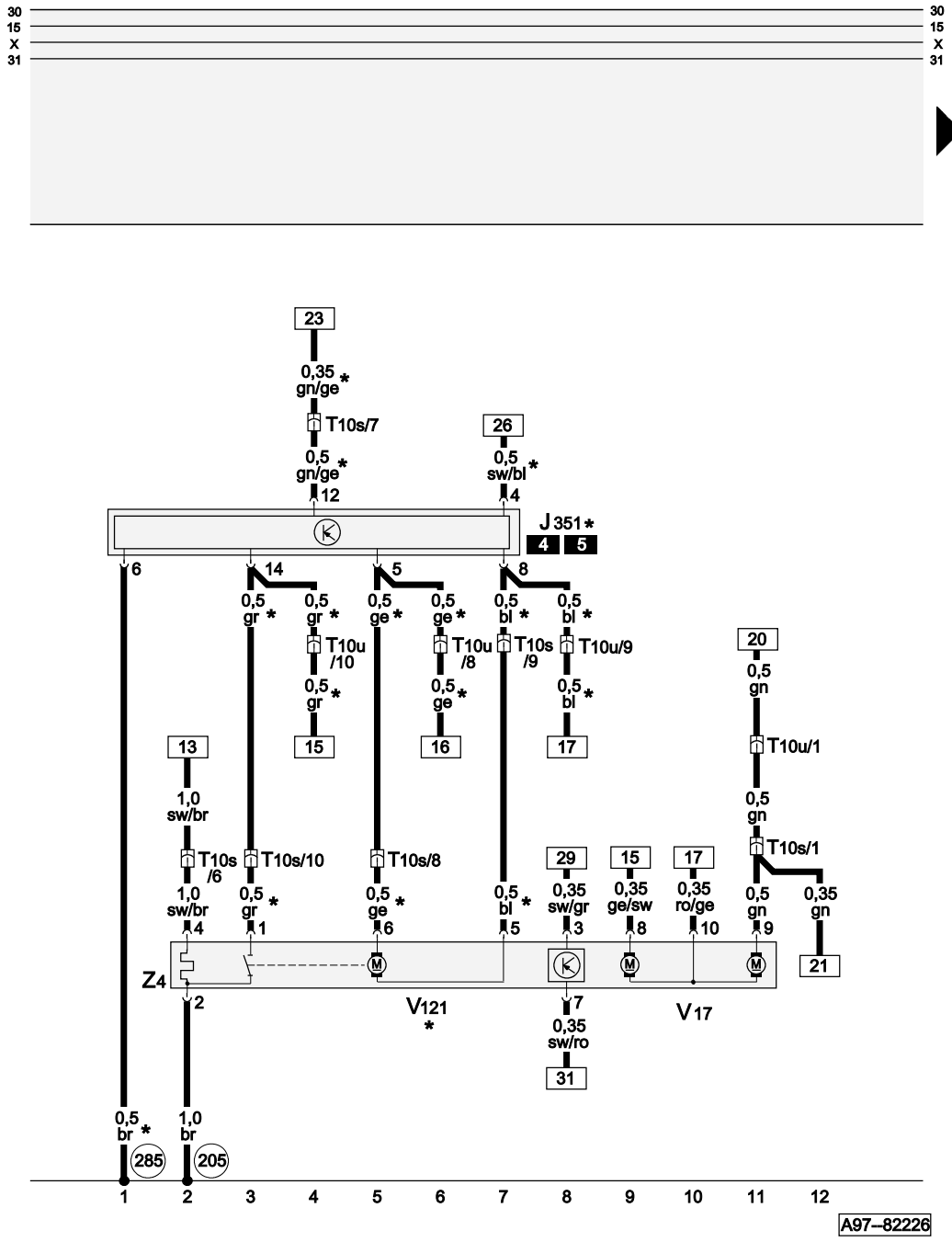
Position of relays:

5 - Exterior mirror fold system control unit
6 - Exterior mirror fold system control unit

Fuse colours

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

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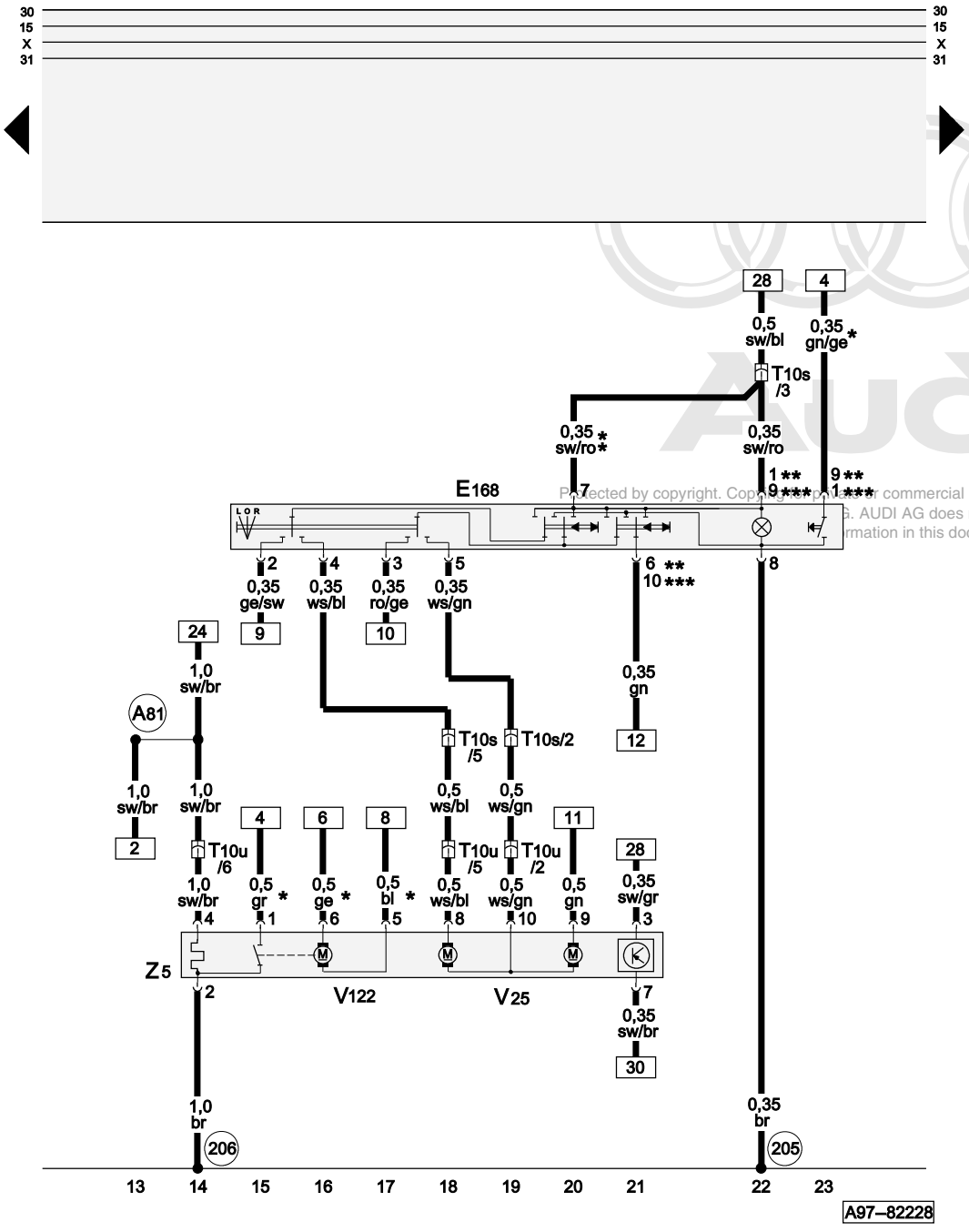


Electrically adjustable interior and exterior mirrors with retraction function, automatic anti-dazzle interior and exterior mirrors

J351	Exterior mirror fold system control unit
T10s	10-pin connector, black, connector carrier, A pillar, left
T10u	10-pin connector, black, connector carrier, A pillar, right
V17	Mirror adjustment motor, driver' side
V121	Folding mirror motor, driver's side
Z4	Heated exterior mirror, driver's side
(205)	Earth connection, in door wiring harness - driver's side
(285)	Earth connection -7-, in interior wiring harness
*	Only models with heated exterior mirrors with retraction function

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

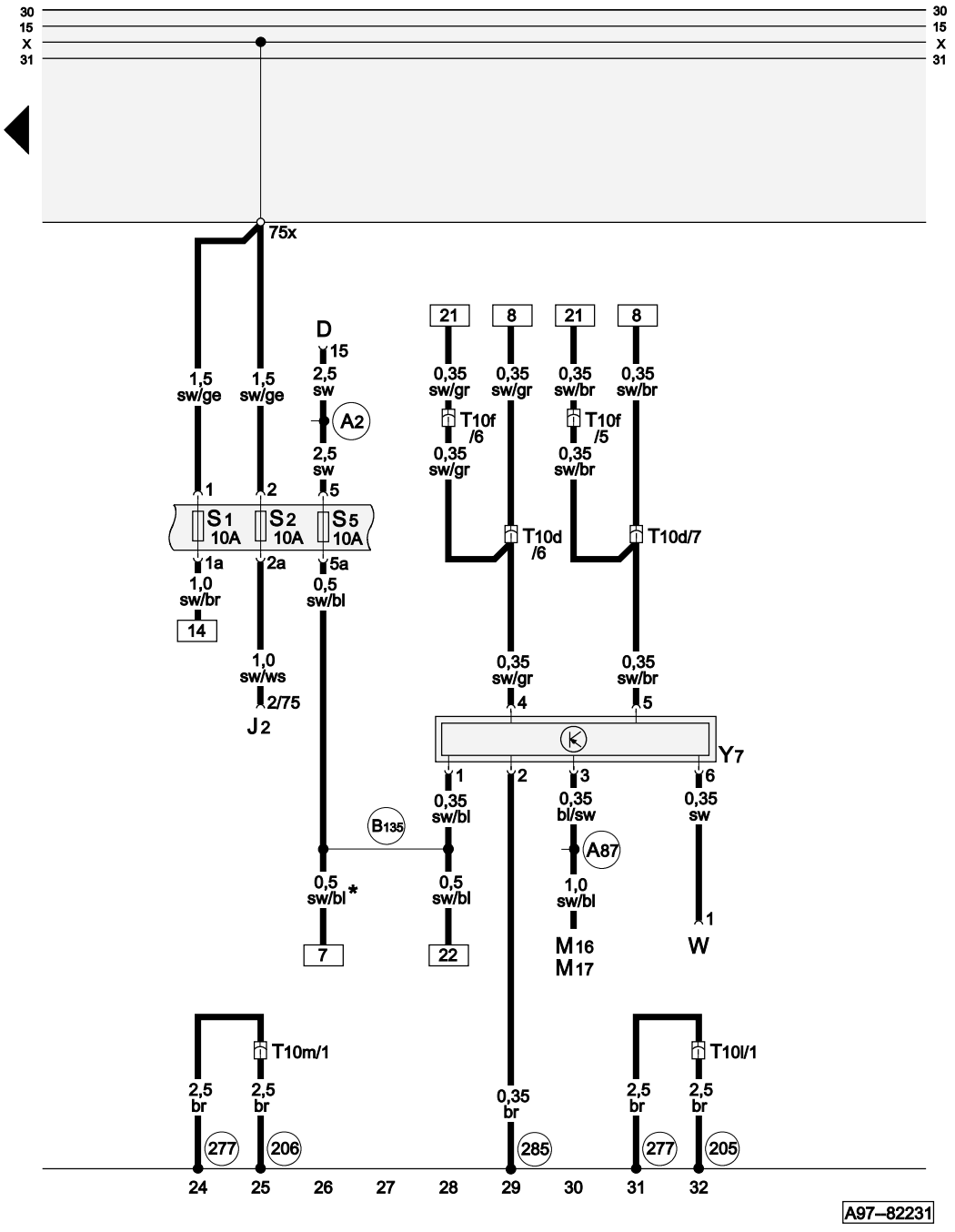


Electrically adjustable interior and exterior mirrors with retraction function, automatic anti-dazzle interior and exterior mirrors

E168	Mirror with folding function, adjustment switch
T10s	10-pin connector, black, connector carrier, A pillar, left
T10u	10-pin connector, black, connector carrier, A pillar, right
V25	Mirror adjustment motor, front passenger's side
V122	Folding mirror motor, front passenger's side
Z5	Heated exterior mirror, front passenger's side
205	Earth connection, in door wiring harness - driver's side
206	Earth connection, in door wiring harness - front passenger's side
A81	Connection -2- (X), in dash panel wiring harness
*	Only models with heated exterior mirrors with retraction function
**	Only on 4-door models
***	Only on 2-door models

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Electrically adjustable interior and exterior mirrors with retraction function, automatic anti-dazzle interior and exterior mirrors

D	Ignition/starter switch
J2	Hazard warning light relay
M16	Reversing light bulb, left
M17	Reversing light bulb, right
S1	Fuse in fuse box
S2	Fuse in fuse box
S5	Fuse in fuse box
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, left
W	Interior light, front
Y7	Automatic anti-dazzle interior mirror
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
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
A87	Connection (RL), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
*	Only models with heated exterior mirrors with retraction function

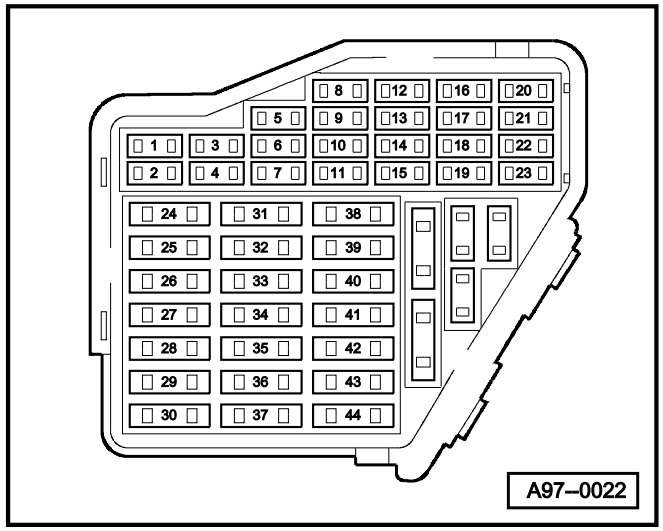
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Electronic stability program

From model year 2000

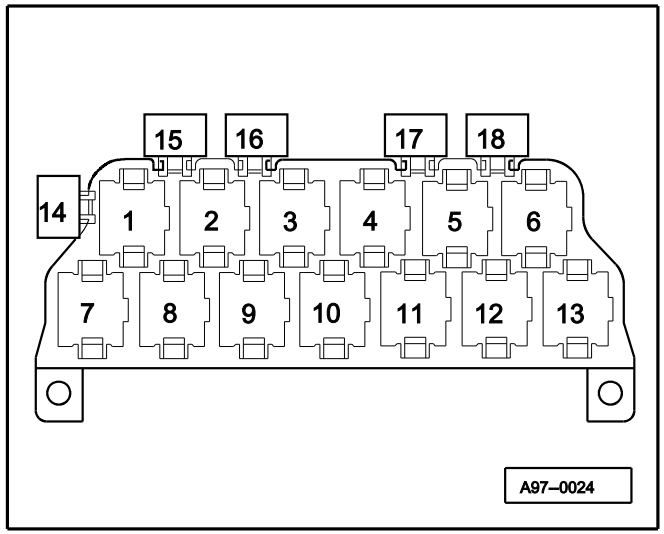
Fuse box:



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:



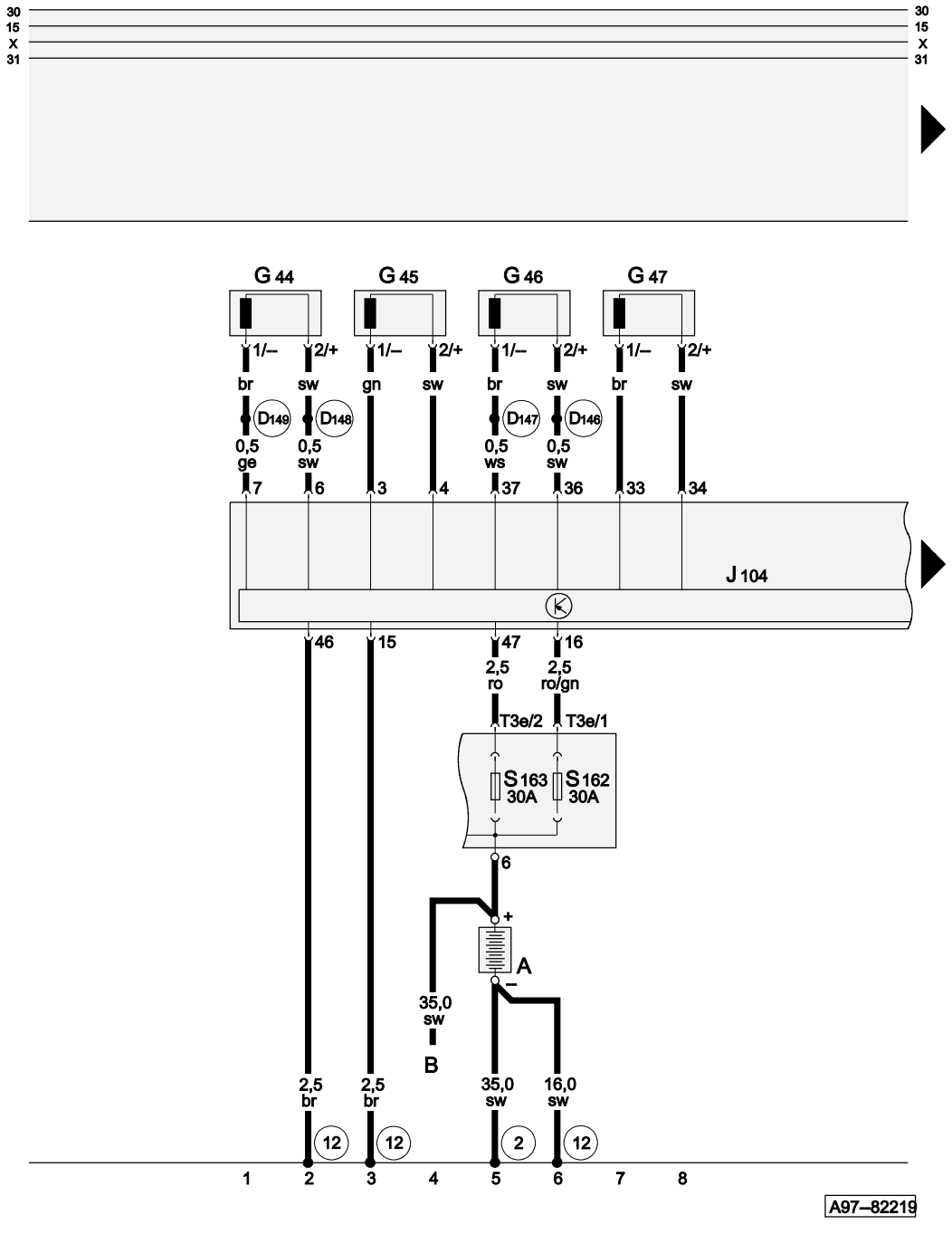
Position of relays:

7 - Brake light suppression relay

Fuse colours:

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

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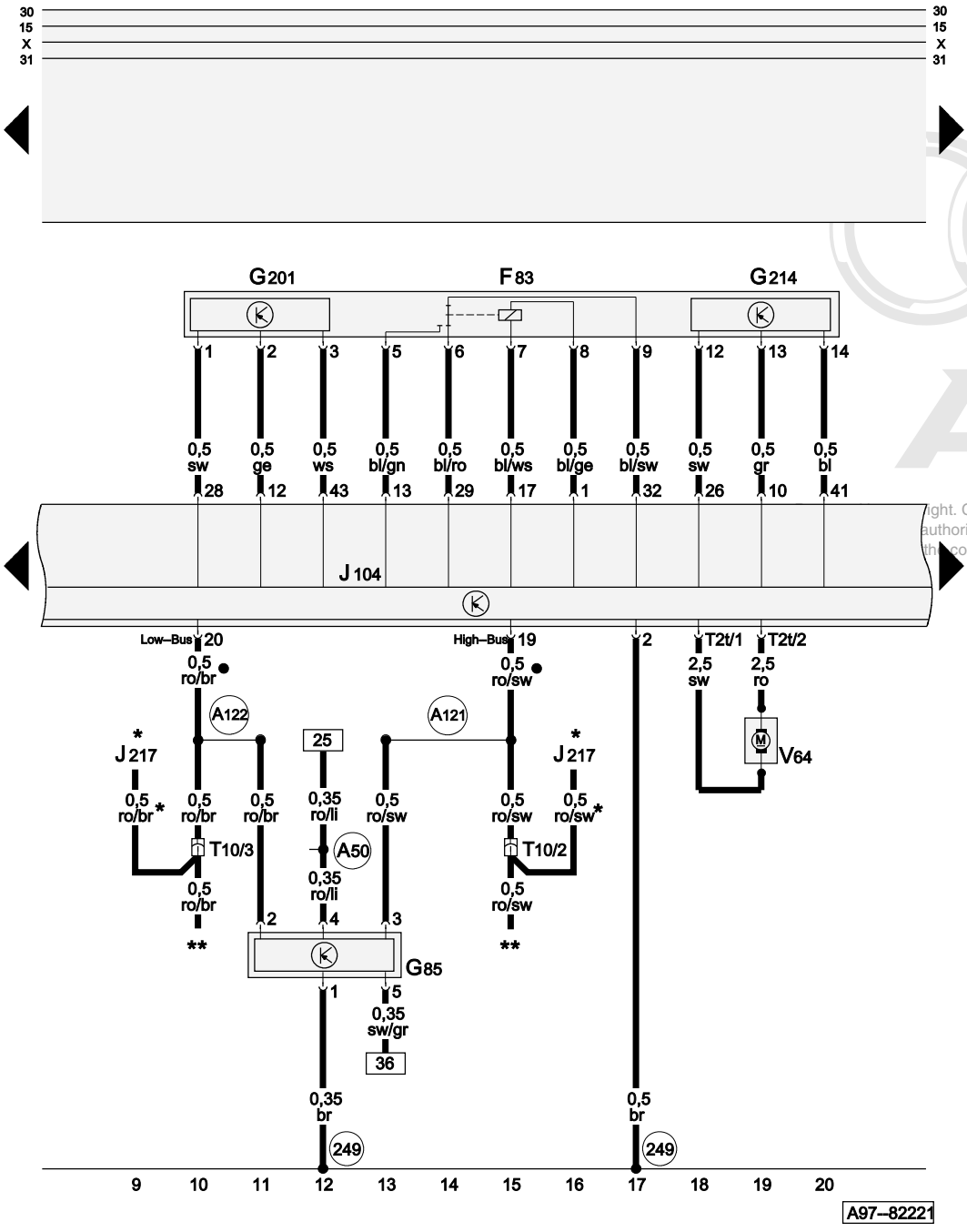


ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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or = orange
rs = pink

Electronic stability program

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
S162	1 in fuse box/battery
S163	2 in fuse box/battery
T3e	3-pin connector, black, on main fuse box/battery
2	Earth strap, gearbox - body
12	Earth point, in engine compartment, left
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

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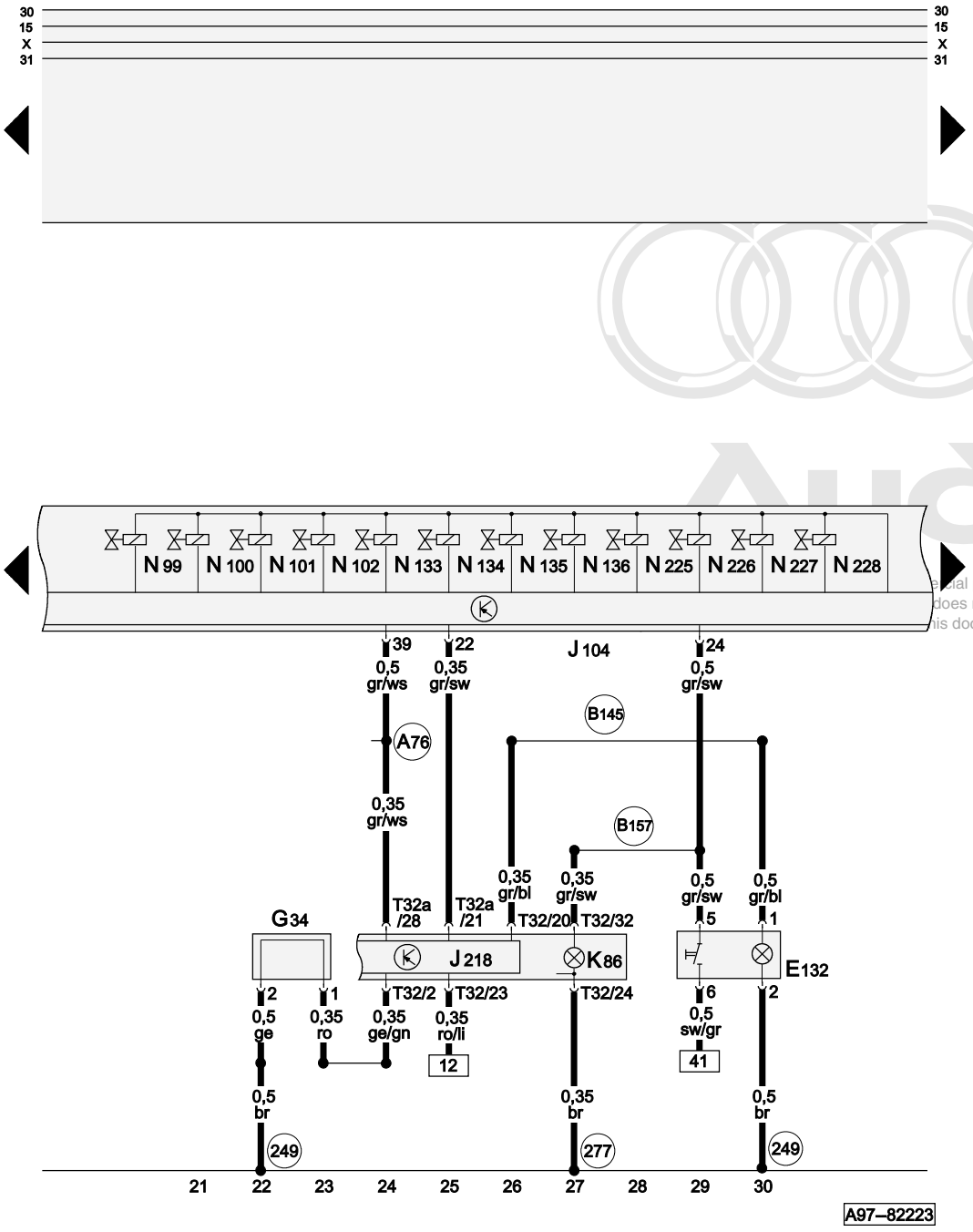
Electronic stability program

F83	Brake detection switch, ESP
G85	Steering angle sender
G201	Brake pressure sender -1-
G214	Brake pressure sender -2-
J104	ABS with EDL control unit
J217	Automatic gearbox control unit
T2t	2-pin connector, on ABS control unit
T10	10-pin connector, white, in plenum chamber
V64	ABS hydraulic pump
249	Earth connection -2-, in interior wiring harness
A50	Positive (+) connection (30as), 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
**	See applicable engine version
<fo:exter	Data wire (CAN bus)

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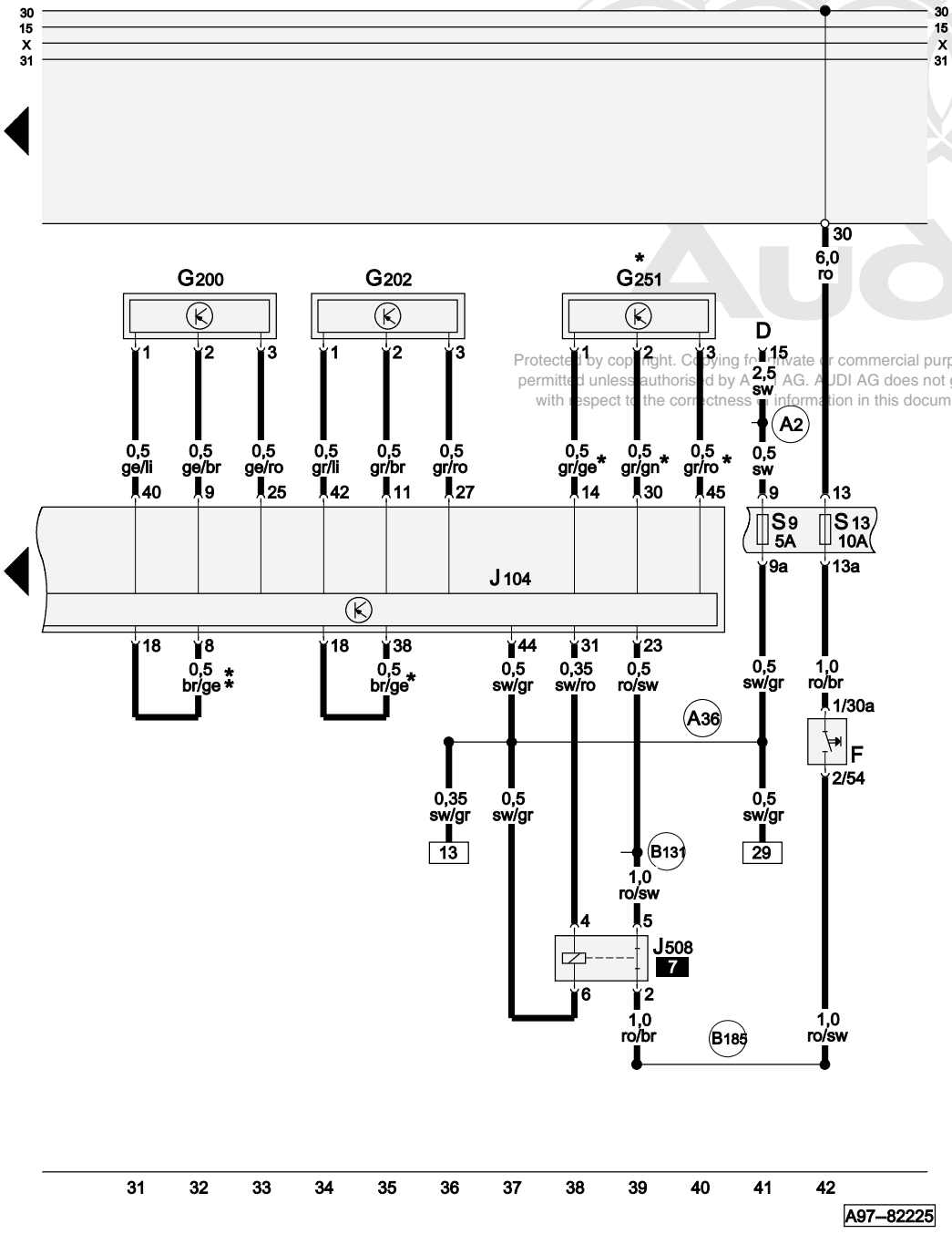


ws = white
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Electronic stability program

E132	Traction control system switch
G34	Brake lining/pad wear sender, front left
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
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-
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
B145	Positive (+) connection (58b), in interior wiring harness
B157	Positive (+) connection -3- (15a), in interior wiring harness

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Electronic stability program

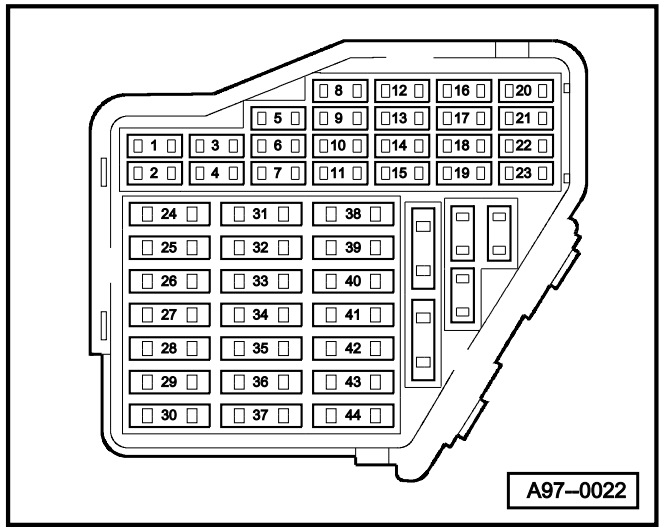
D	Ignition/starter switch
F	Brake light switch
G200	Lateral acceleration sender
G202	Yaw rate sender
G251	Longitudinal acceleration sender
J104	ABS with EDL control unit
J508	Brake light suppression relay
S9	Fuse in fuse box
S13	Fuse in fuse box
A2	Positive (+) connection (15), in dash panel wiring harness
A36	Connection (75a), in dash panel wiring harness
B131	Positive (+) connection (54), in interior wiring harness
B185	Connection -2- (54), in interior wiring harness
*	Only models with four-wheel drive
**	Only models with front-wheel drive

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or	=	orange
rs	=	pink

Driver information system

From model year 2000

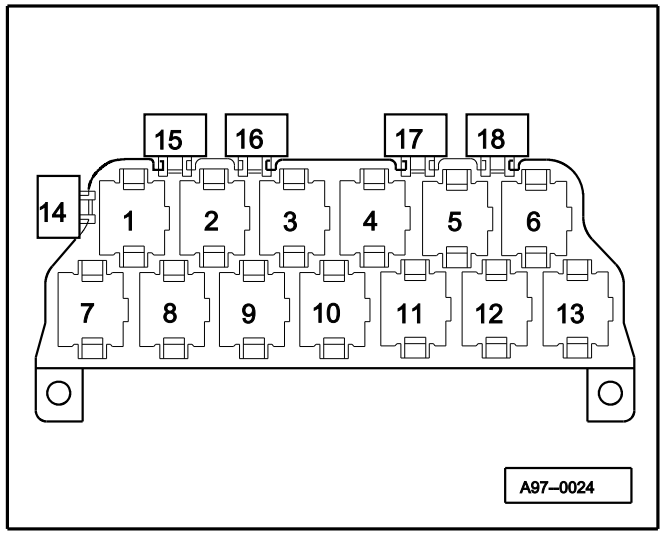
Fuse box:



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:



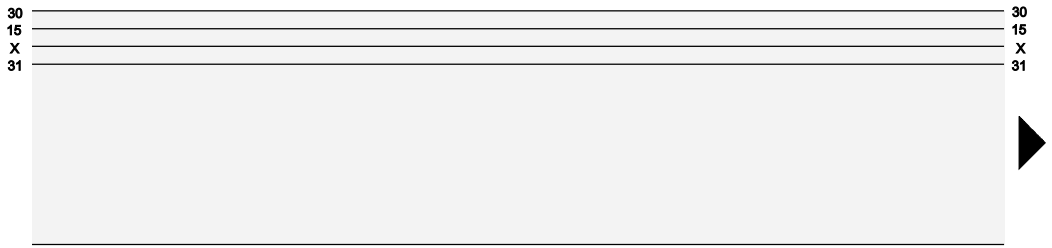
Position of relays:

2 - Bulb monitoring device
3 - Bulb monitoring device

Fuse colours

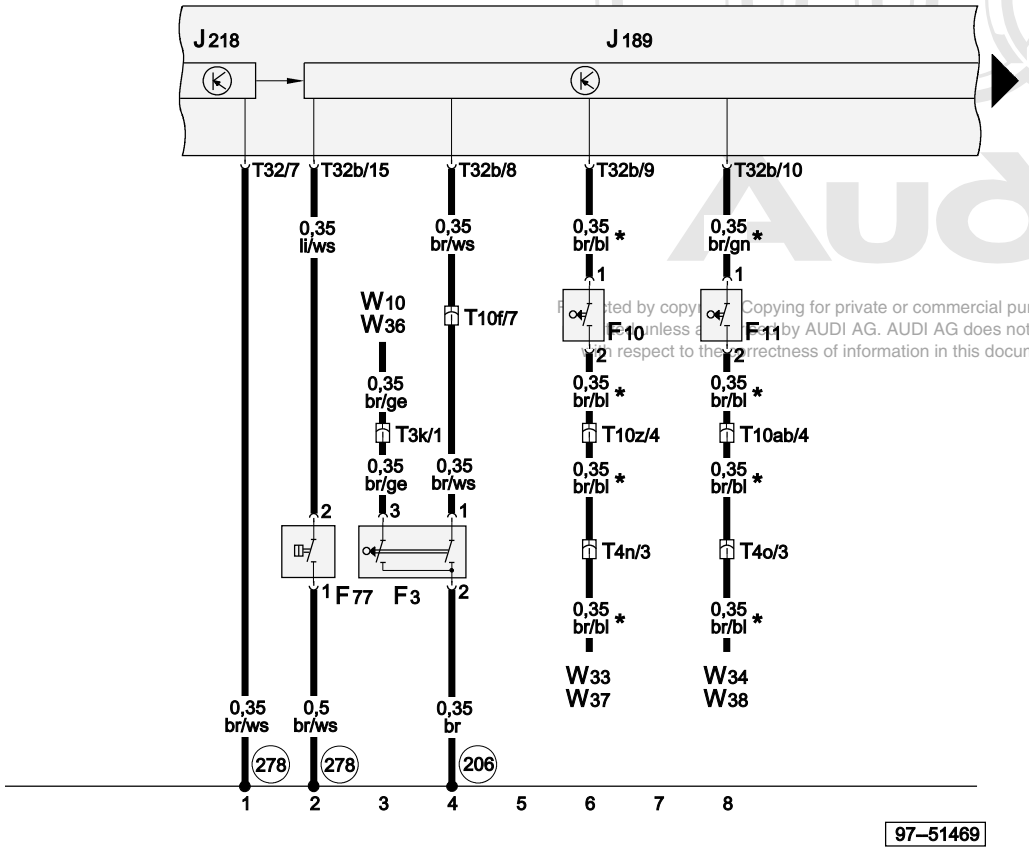
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
5A - beige

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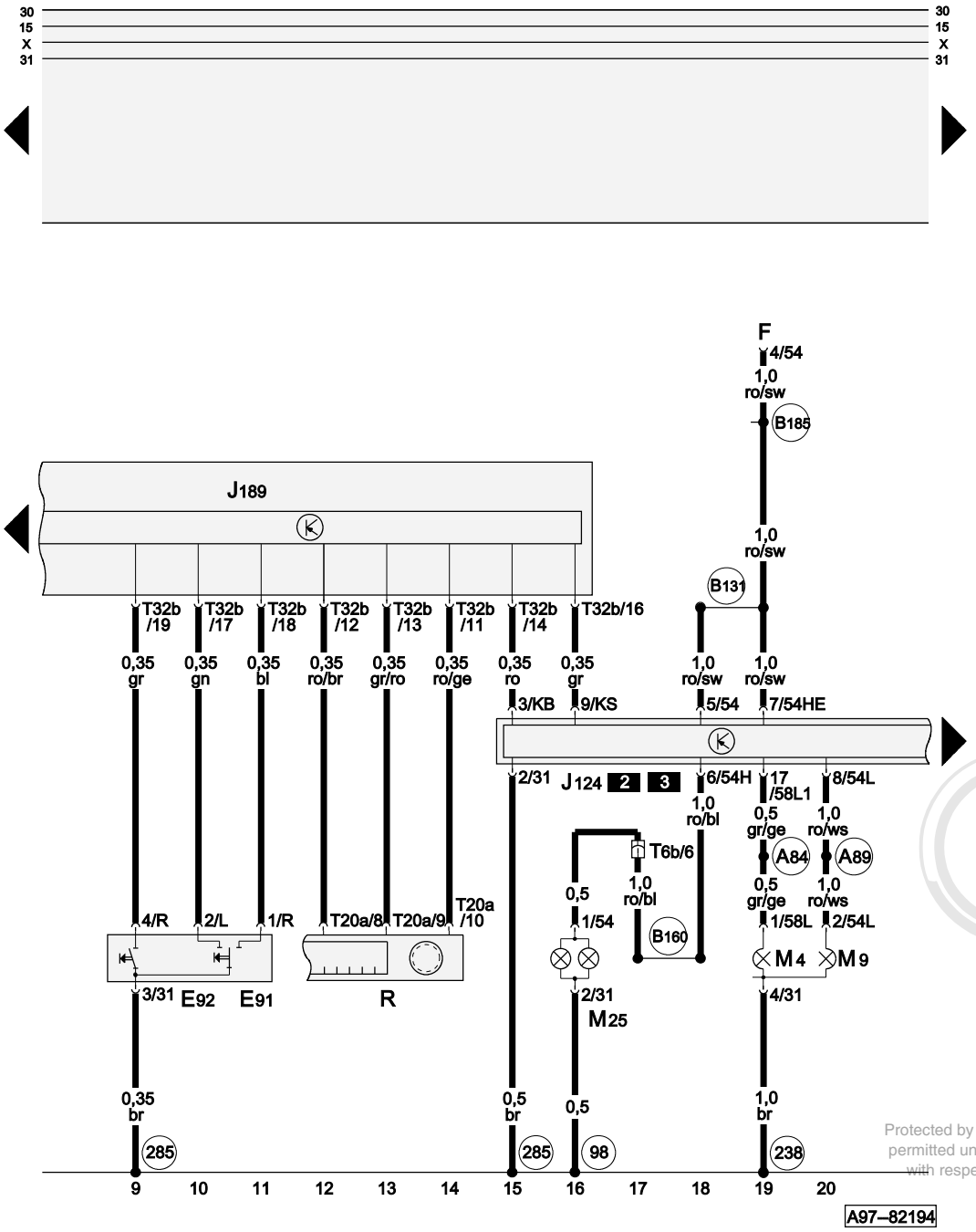
On-board computer with auto-check system, ambient temperature indicator, washer fluid level indicator

F3	Door contact switch, front passenger's side
F10	Rear left door contact switch
F11	Rear right door contact switch
F77	Windscreen washer fluid warning contact
J189	Auto-check system
J218	Combi-processor in dash panel insert
T3k	3-pin connector, black, in front passenger's door
T4n	4-pin connector, black, in rear left door
T4o	4-pin connector, black, in rear right door
T10f	10-pin connector, brown, connector carrier, A pillar, right
T10z	10-pin connector, green, connector carrier, B pillar, left
T10ab	10-pin connector, green, connector carrier, B pillar, right
T32	32-pin connector, blue, on dash panel insert
T32b	32-pin connector, grey, on dash panel insert
W10	Right footwell light
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
206	Earth connection, in door wiring harness - front passenger's side
278	Earth connection -4-, in interior wiring harness
*	Only on 4-door models



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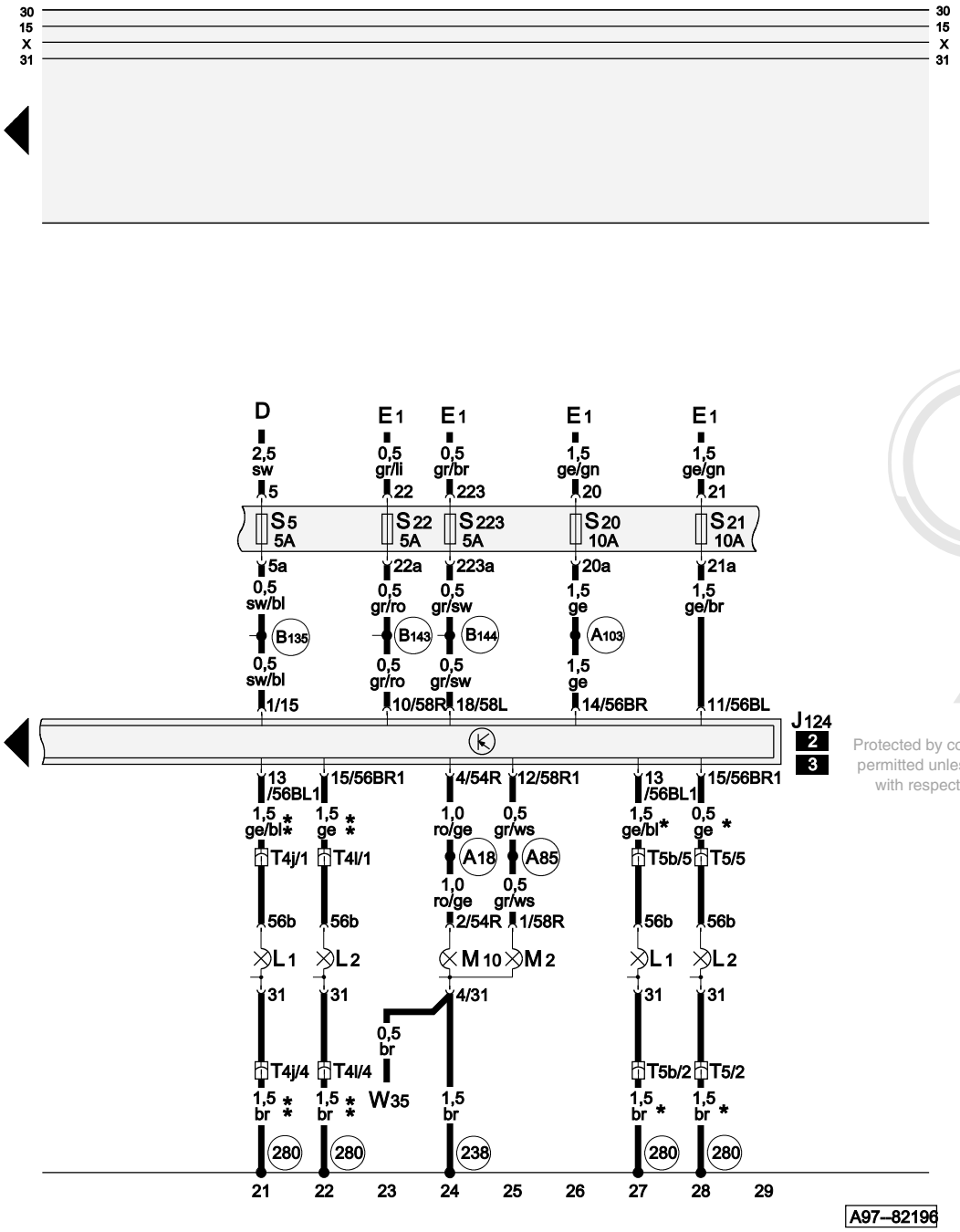


On-board computer with auto-check system

E91	Function selection switch
E92	Reset button
F	Brake light switch
J124	Bulb monitoring device, rear
J189	Auto-check system
M4	Tail light bulb, left
M9	Brake light bulb, left
M25	High level brake light bulb
R	Radio
T6b	6-pin connector, blue, in luggage compartment, left
T20a	20-pin connector, black, radio connector I
T32b	32-pin connector, grey, on dash panel insert
98	Earth connection, in tailgate/boot lid wiring harness
238	Earth connection -1-, in interior wiring harness
285	Earth connection -7-, in interior wiring harness
A84	Connection (58L), in dash panel wiring harness
A89	Connection (54), in dash panel wiring harness
B131	Connection (54), in interior wiring harness
B160	Connection (brake system monitoring), in interior wiring harness

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Bulb monitoring device, rear

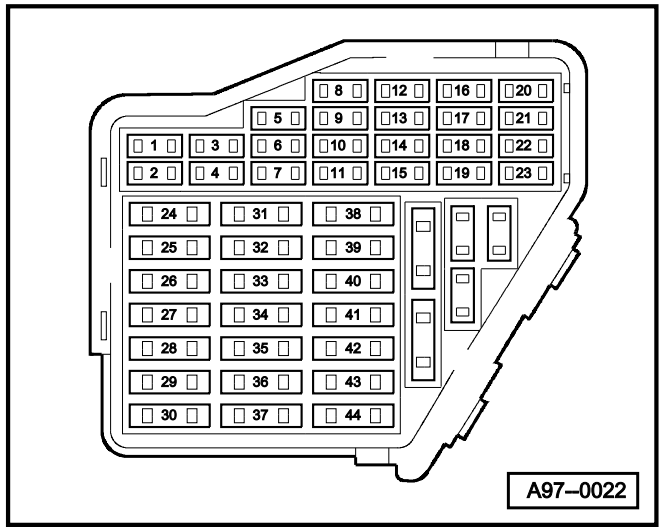
D	Ignition/starter switch
E1	Lighting switch
124	Bulb monitoring device, rear
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M2	Tail light bulb, right
M10	Brake light bulb, right
T4j	4-pin connector, headlight, left
T4l	4-pin connector, headlight, right
T5	5-pin connector, on headlight, right
T5b	5-pin connector, on headlight, left
W35	Luggage compartment light, right
238	Earth connection -1-, in interior wiring harness
280	Earth connection -2-, in engine compartment wiring harness
A18	Connection (54), in dash panel wiring harness
A85	Connection (58R), in dash panel wiring harness
A103	Connection -2- (56), in dash panel wiring harness
B135	Connection (15a), in interior wiring harness
B143	Positive (+) connection (58R), in interior wiring harness
B144	Positive (+) connection (58L), in interior wiring harness
*	Does not apply to 1.8 litre turbo-Motronic 154kW
**	Only applies to 1.8 litre turbo-Motronic 154kW

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Haldex coupling for four-wheel drive

From model year 1999

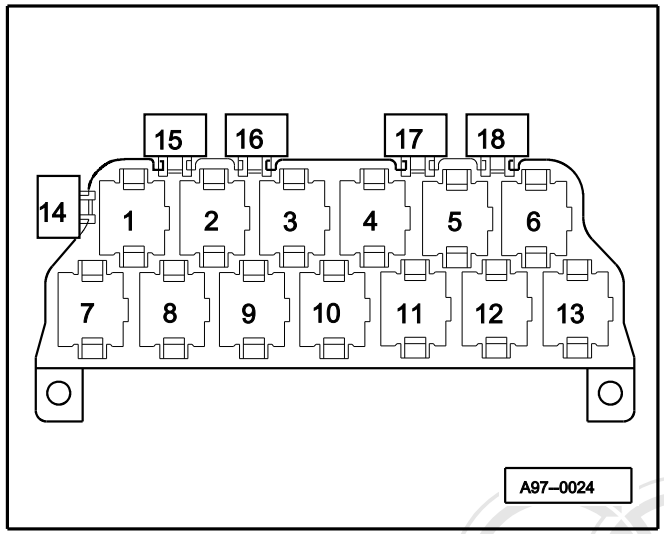
Fuse box:



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:



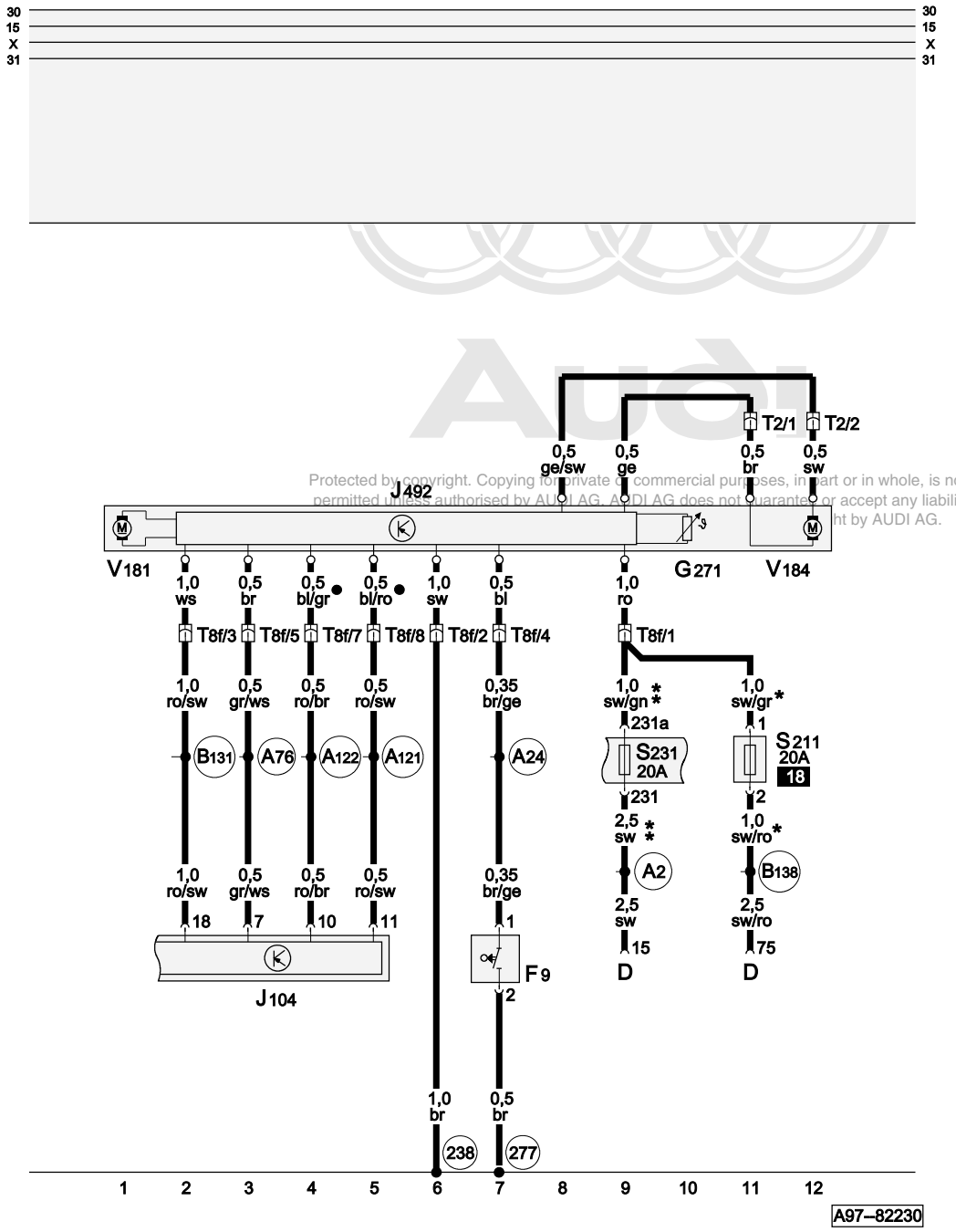
Position of relays:

18 - Fuse for Haldex coupling

Fuse colours

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

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ws = white

Haldex coupling for four-wheel drive

D	Ignition/starter switch
F9	Handbrake warning switch
G271	Hydraulic temperature sender
J104	ABS with EDL control unit
J492	Four-wheel drive control unit
S211	Fuse 1 (X)
S231	Fuse in fuse box
T2	2-pin connector, on four-wheel drive
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
B138	Connection (X), in interior wiring harness
*	Applicable for 1999 model year only
**	Applicable from model year 2000
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png"	Data wire (CAN bus)

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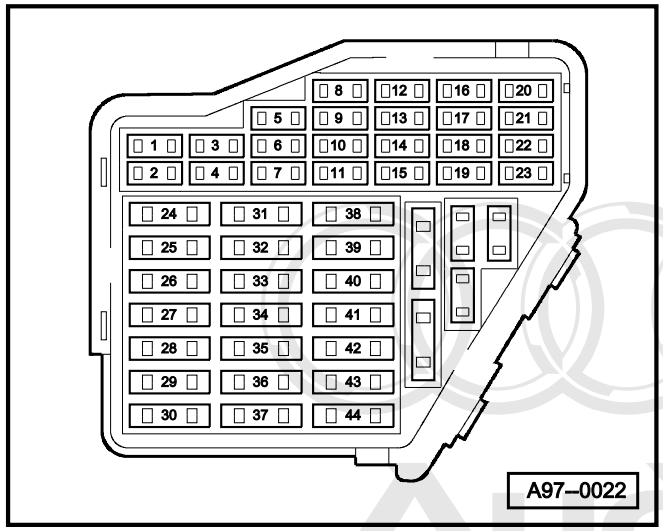
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gr	=	grey	>
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ge	=	yellow	
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rs	=	pink	

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Mobile telephone, with navigation system

From model year 2000

Fuse box:

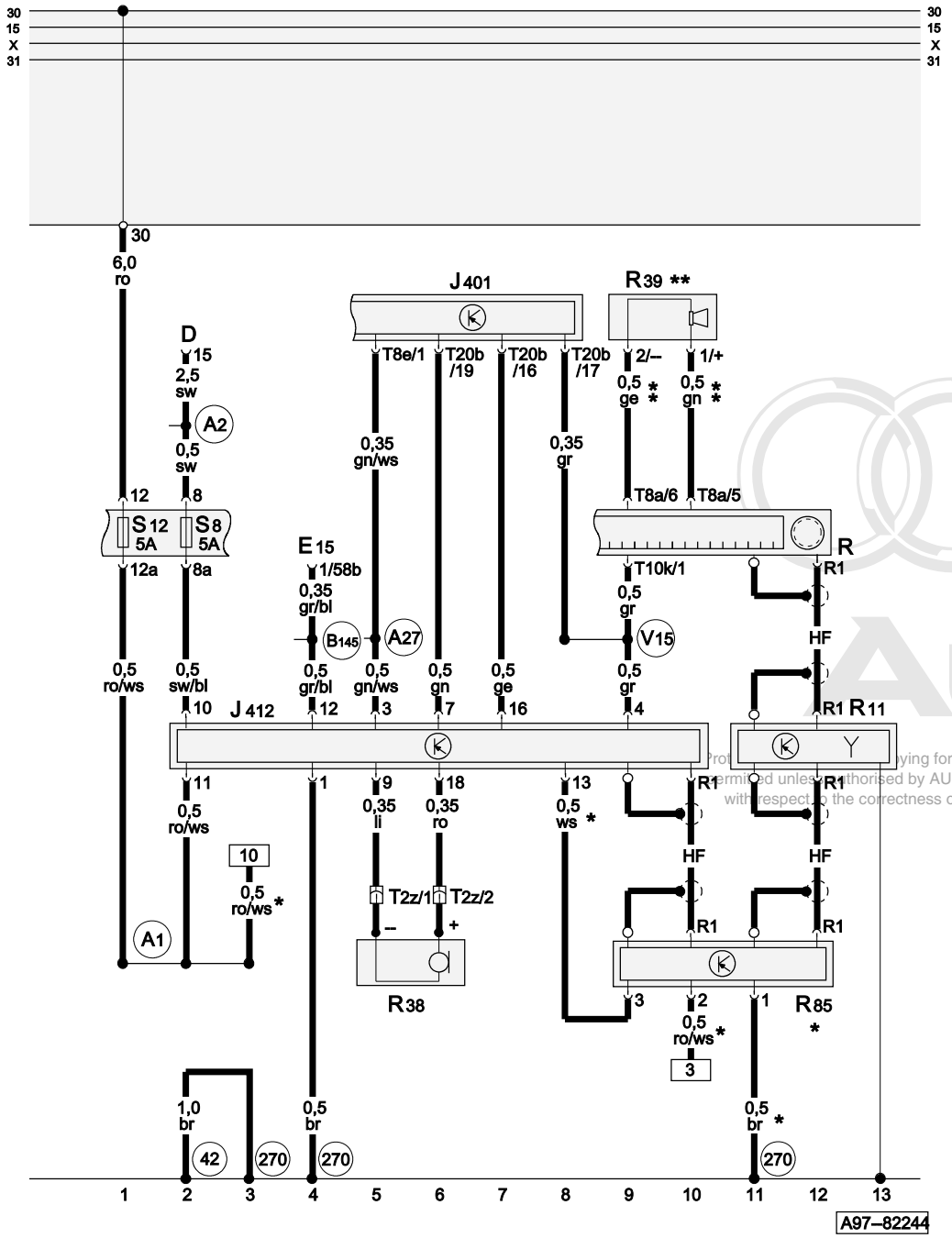


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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Mobile telephone, with navigation system

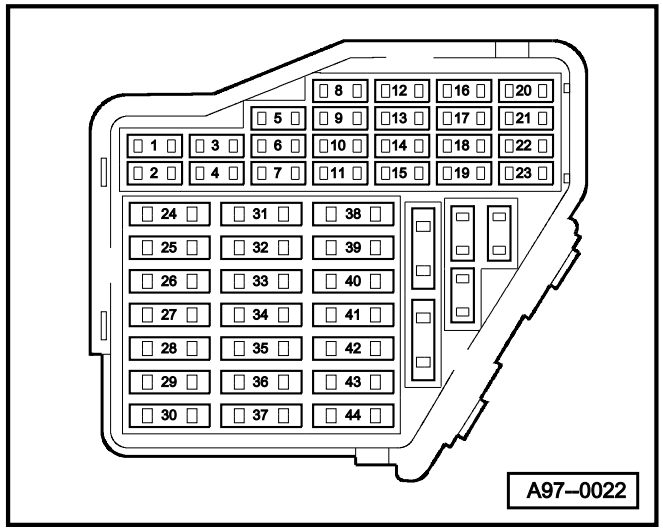
D	Ignition/starter switch
E15	Heated rear window switch
J401	Navigation system with CD drive control unit
J412	Operating electronics control unit, telephone
R	Radio
R1	Aerial connection
R11	Aerial
R38	Telephone microphone
R39	Loudspeaker for telephone
R85	Aerial amplifier, mobile telephone (compensator)
T2z	2-pin connector, at A pillar, left
T8a	8-pin connector, brown, on radio
T8e	8-pin connector, black, on navigation control unit
T10k	10-pin connector, red, on radio
T20	20-pin connector, black, on navigation control unit
42	Earth point, next to steering columm
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
A27	Connection (speed signal), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
V15	Connection, in telephone wiring harness
*	Only models equipped with mobile telephone
**	Only models with radio Bose sound system

Audi
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Air conditioner with automatic control

From model year 2000

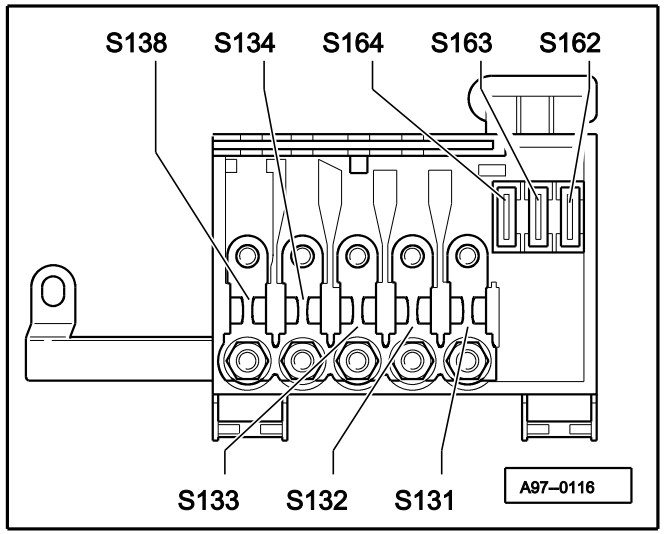
Fuse box:



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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Main fuse box/battery:



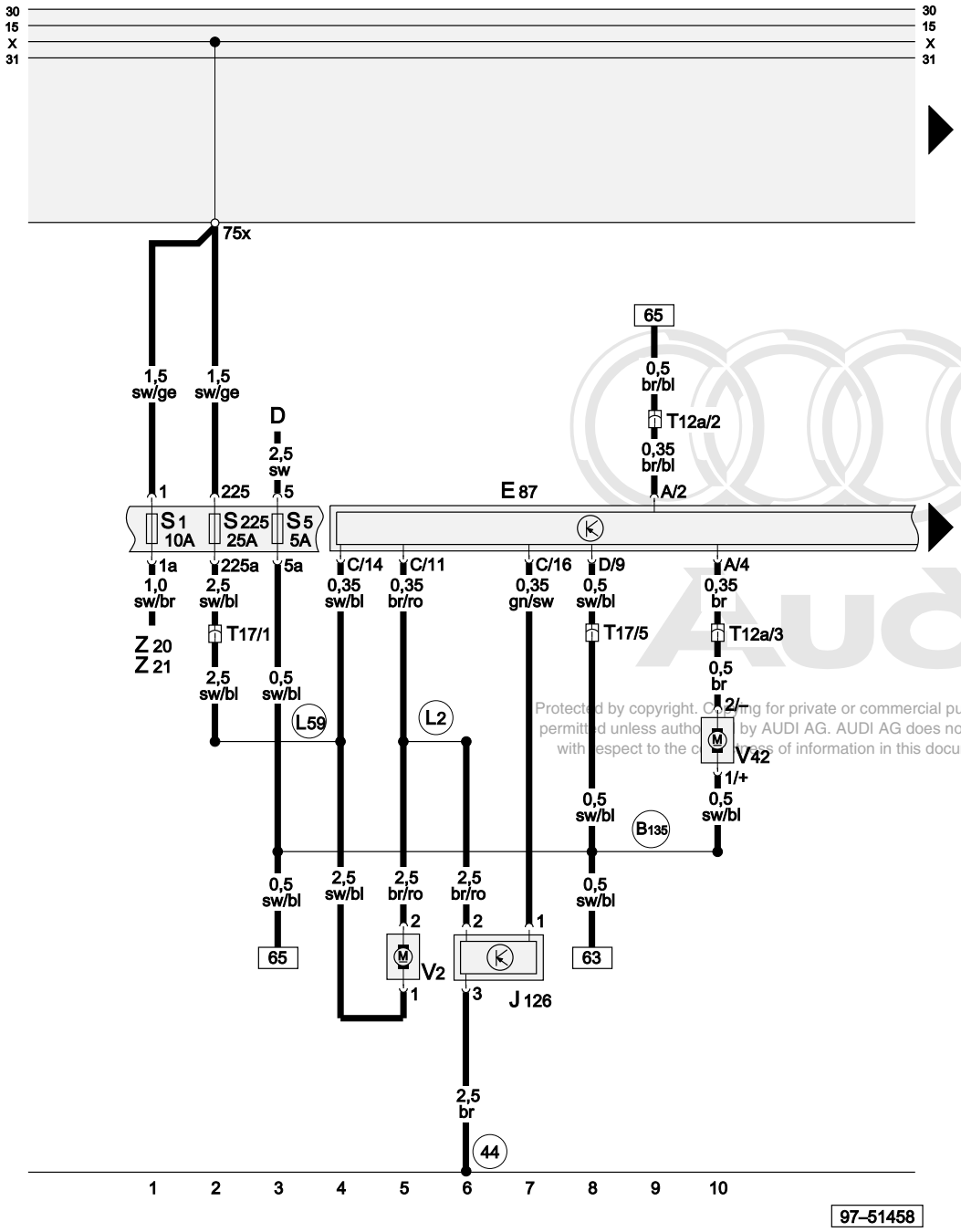
Position of fuses:

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

Fuse colours

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

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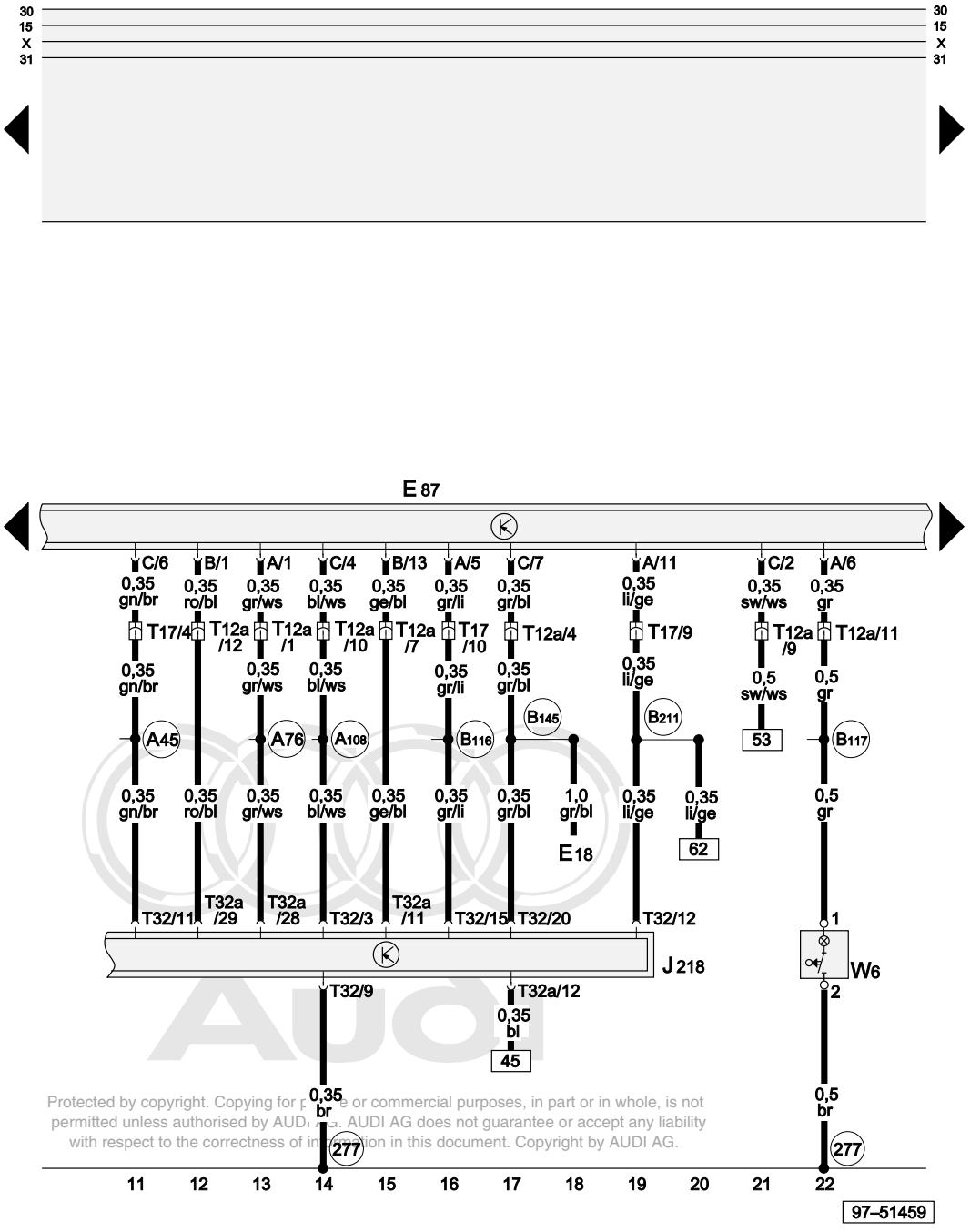


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Air conditioner with automatic control

D	Ignition/starter switch
E87	Control and display unit for air conditioner
J126	Fresh air blower control unit
S1	Fuse in fuse box
S5	Fuse in fuse box
S225	Fuse in fuse box
T12a	12-pin connector, behind dash panel, right
T17	17-pin connector, behind dash panel, right
V2	Fresh air blower
V42	Temperature sensor blower
Z20	Heater element, left washer jet
Z21	Heater element, right washer jet
44	Earth point, lower part of left A-pillar
188	Earth connection -3-, in air conditioner wiring harness
B135	Connection (15a), in interior wiring harness
L2	Connection, in air conditioner wiring harness
L59	Positive (+) connection (30), in heater unit wiring harness

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

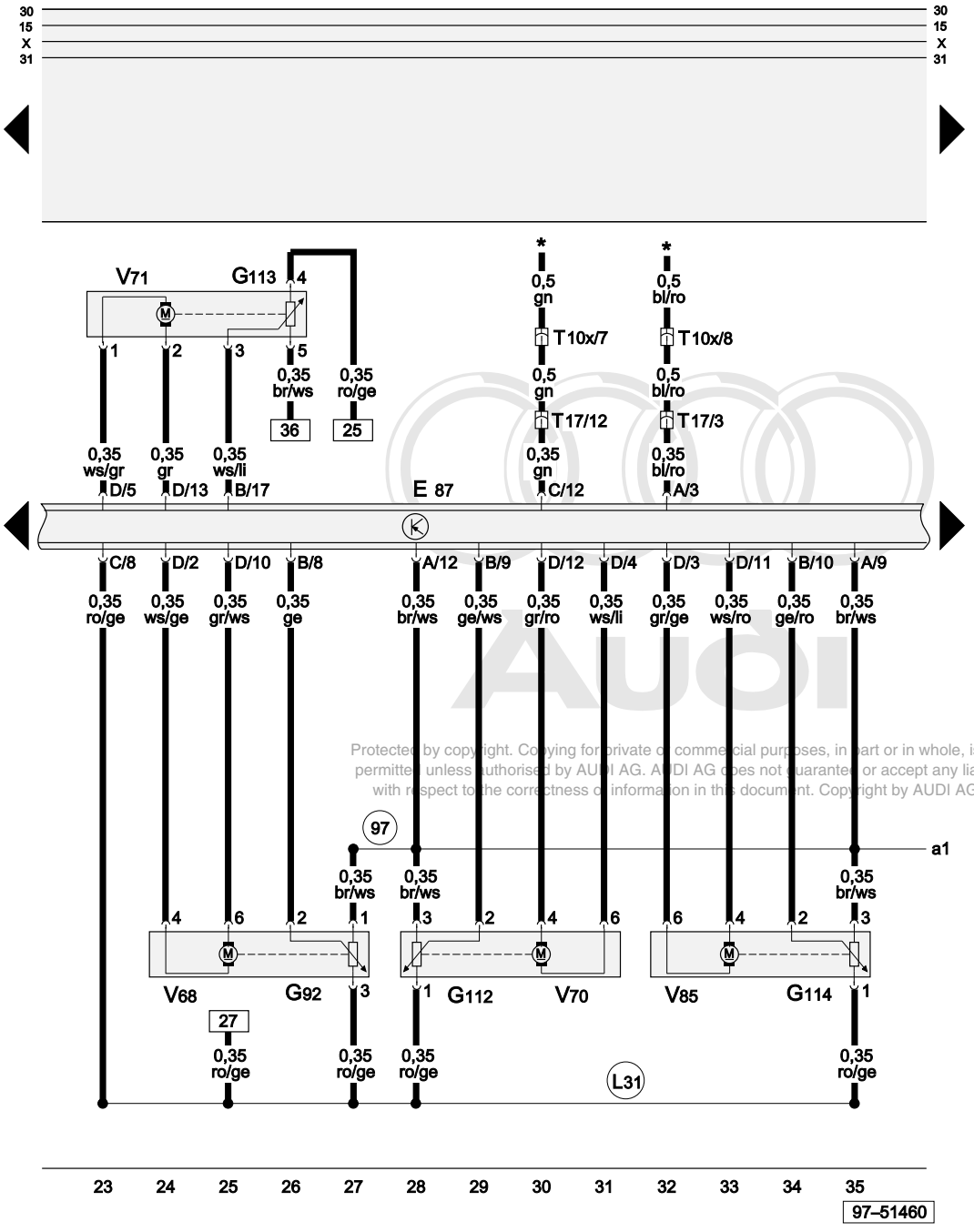


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gr = grey
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or = orange
rs = pink

Air conditioner with automatic control

E18	Rear fog light switch
E87	Control and display unit for air conditioner
J218	Combi-processor in dash panel insert
T12a	12-pin connector, behind dash panel, right
T17	17-pin connector, behind dash panel, right
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
W6	Glove box light
277	Earth connection -3-, in interior wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (engine speed signal), in dash panel wiring harness
B116	Connection (58d), in interior wiring harness
B117	Connection (58a, right), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B211	Connection -1- (Climatronic rear), in interior wiring harness

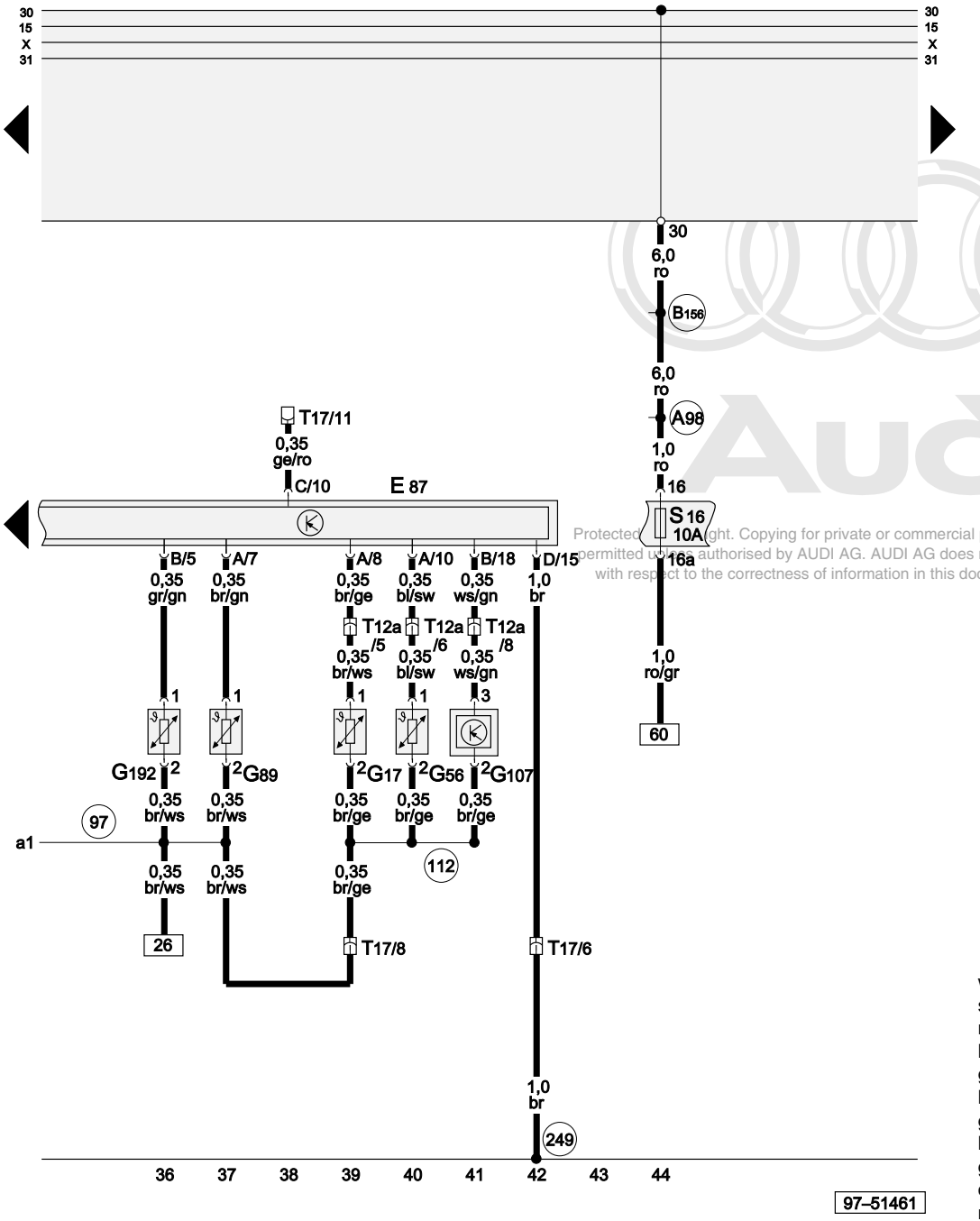


Air conditioner with automatic control

E87	Control and display unit for air conditioner
G92	Control motor potentiometer, temperature flap
G112	Control motor potentiometer, central flap
G113	Control motor potentiometer, air flow flap
G114	Control motor potentiometer, footwell/defroster flap
T10x	10-pin connector, orange, in plenum chamber
T17	17-pin connector, behind dash panel, right
V68	Temperature flap control motor
V70	Central flap control motor
V71	Air flow 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
*	See applicable engine version

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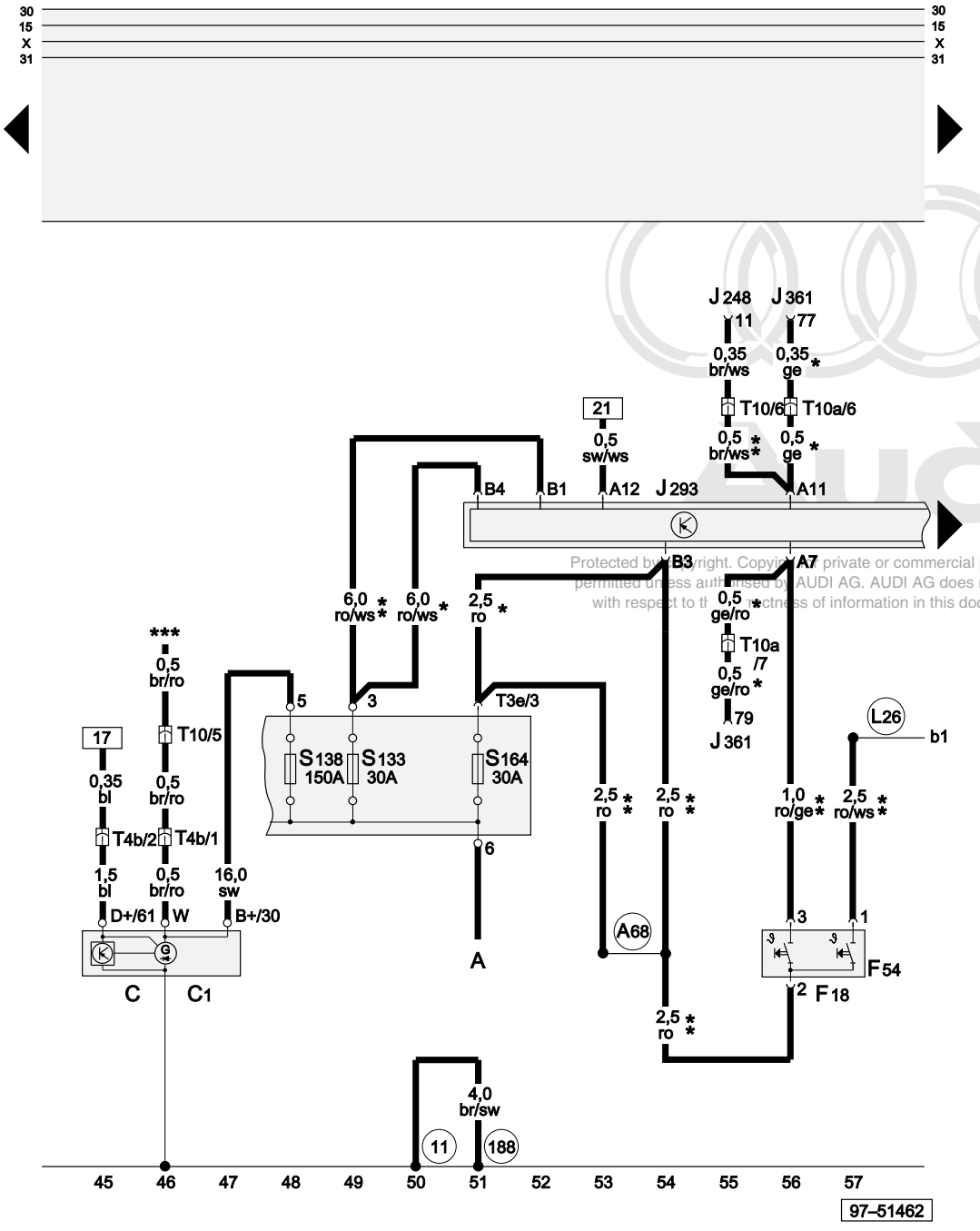


Air conditioner with automatic control

E87	Control and display unit for air conditioner
G17	Ambient temperature sensor
G56	Dash panel temperature sensor
G89	Fresh air intake duct temperature sensor
G107	Sunlight penetration photosensor
G192	Vent temperature sender, footwell
S16	Fuse in fuse box
T12a	12-pin connector, behind dash panel, right
T17	17-pin connector, behind dash panel, right
97	Earth connection -1-, in air conditioner wiring harness
112	Earth connection -2-, in air conditioner wiring harness
249	Earth connection -2-, in interior wiring harness
A98	Positive (+) connection -4- (30a), in dash panel wiring harness
B156	Positive (+) connection -4- (30a), in interior wiring harness

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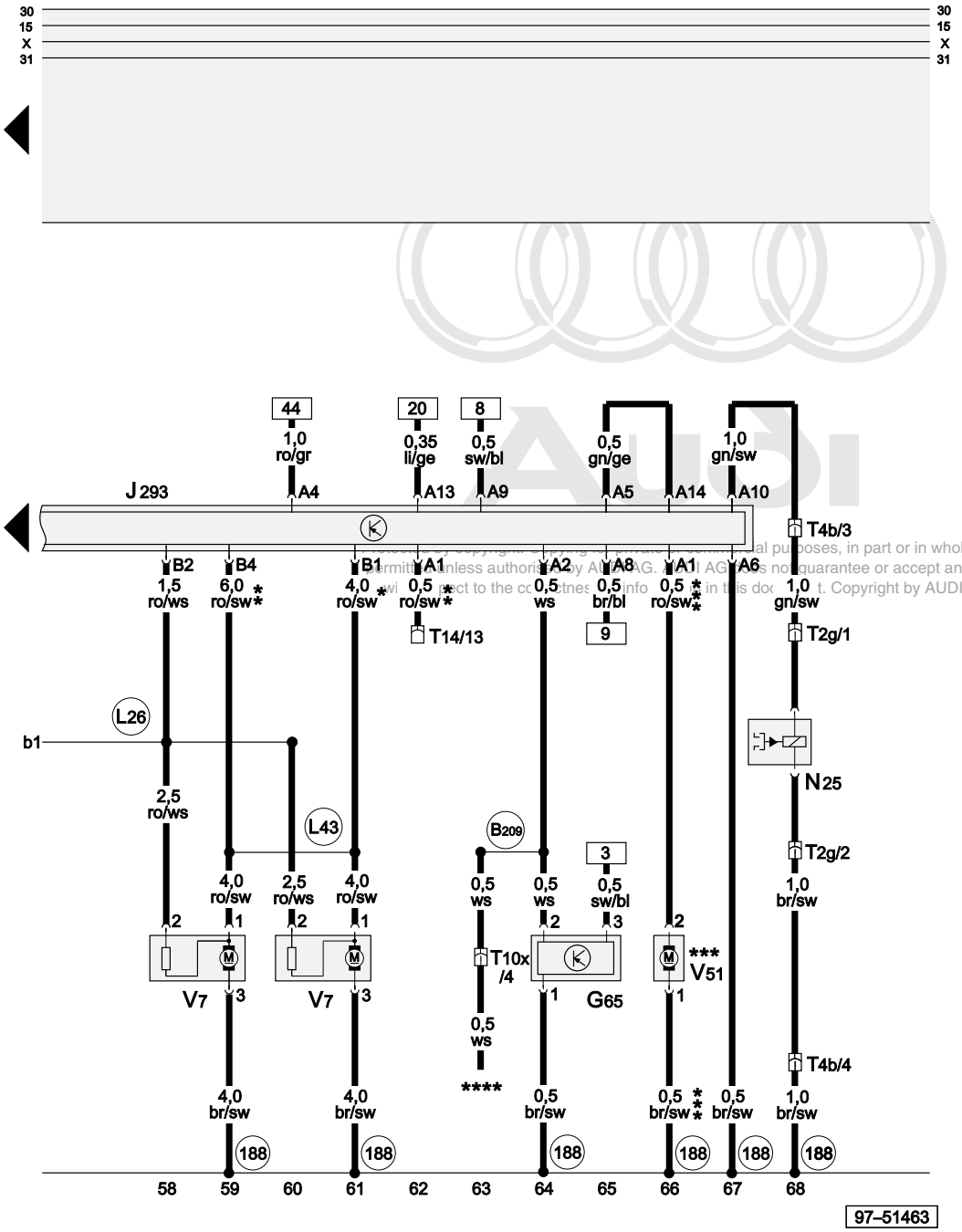


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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Air conditioner with automatic control

A	Battery
C	Alternator
C1	Voltage regulator
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J361	Simos control unit
S133	Fuse 3
S138	Fuse 5
S164	Fuse -3- (30), in fuse box/battery
T3e	3-pin connector, black, on main fuse box/battery
T4b	4-pin connector, in engine compartment, left
T10	10-pin connector, white, in plenum chamber
T10a	10-pin connector, green, in plenum chamber
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
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
*	Applies to engine codes APF only
**	Does not apply to engine codes APF
***	See applicable engine version

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Air conditioner with automatic control

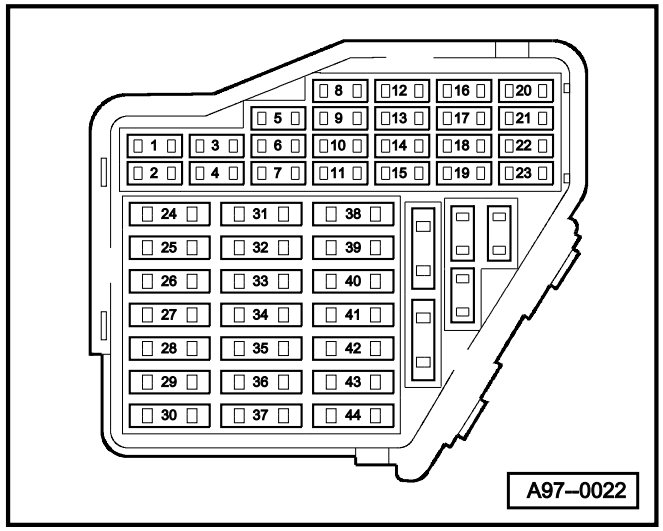
G65	High pressure sender
J293	Radiator fan control unit
N25	Air conditioning system magnetic coupling
T2g	2-pin connector, near compressor
T4b	4-pin connector, in engine compartment, left
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
V7	Radiator fan
V51	Continued circulation of coolant pump
188	Earth connection -3-, in air conditioner wiring harness
B209	Connection (Climatronic sender), in interior wiring harness
L26	Connection (radiator fan), in engine compartment - Climatronic wiring harness
L43	Connection (radiator fan), in air conditioner/radiator fan wiring harness
*	Applies to engine code APF only
**	Does not apply to engine code APF
***	Only to engine code APY
****	See applicable engine version

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Navigation system

From model year 2000

Fuse box:

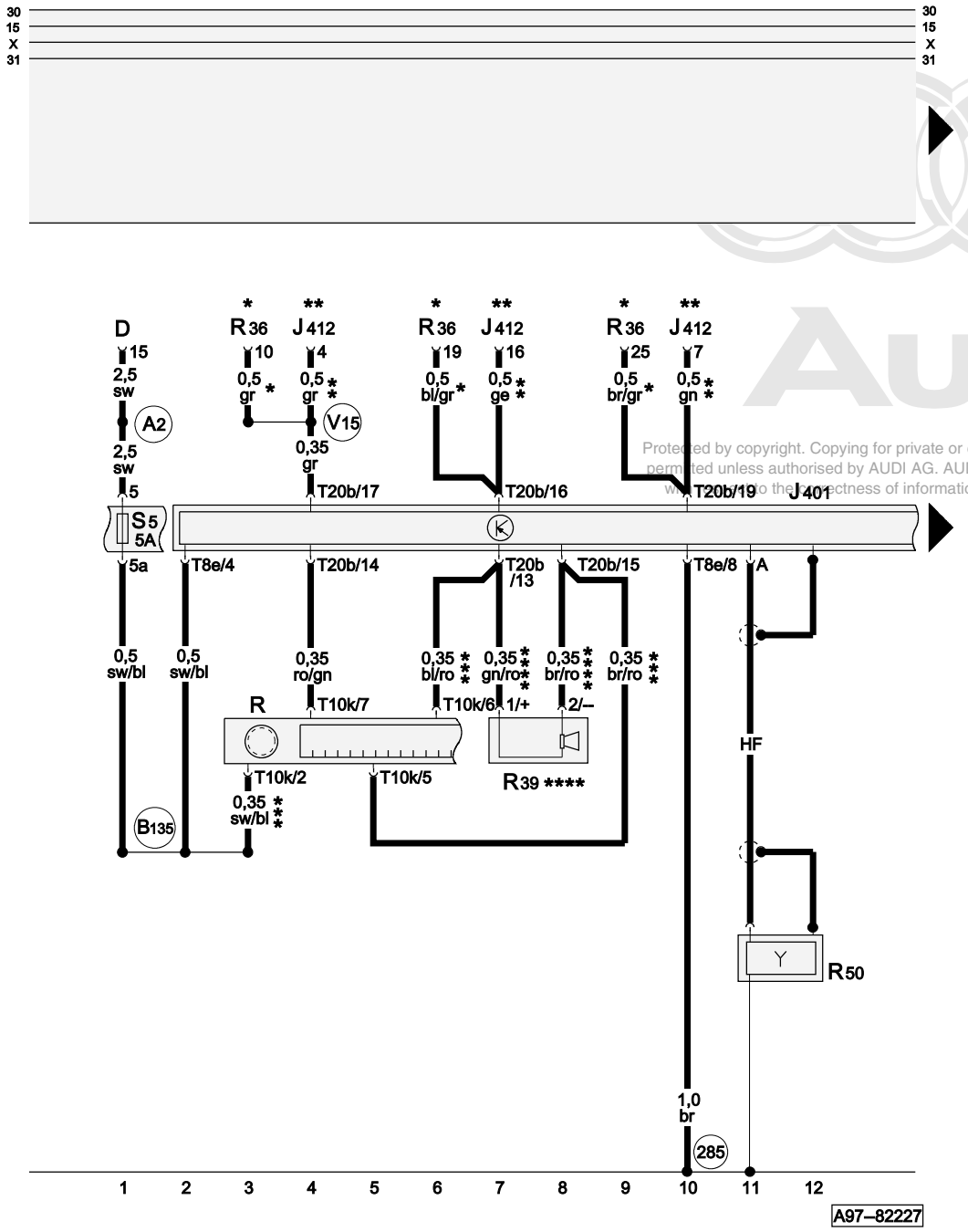


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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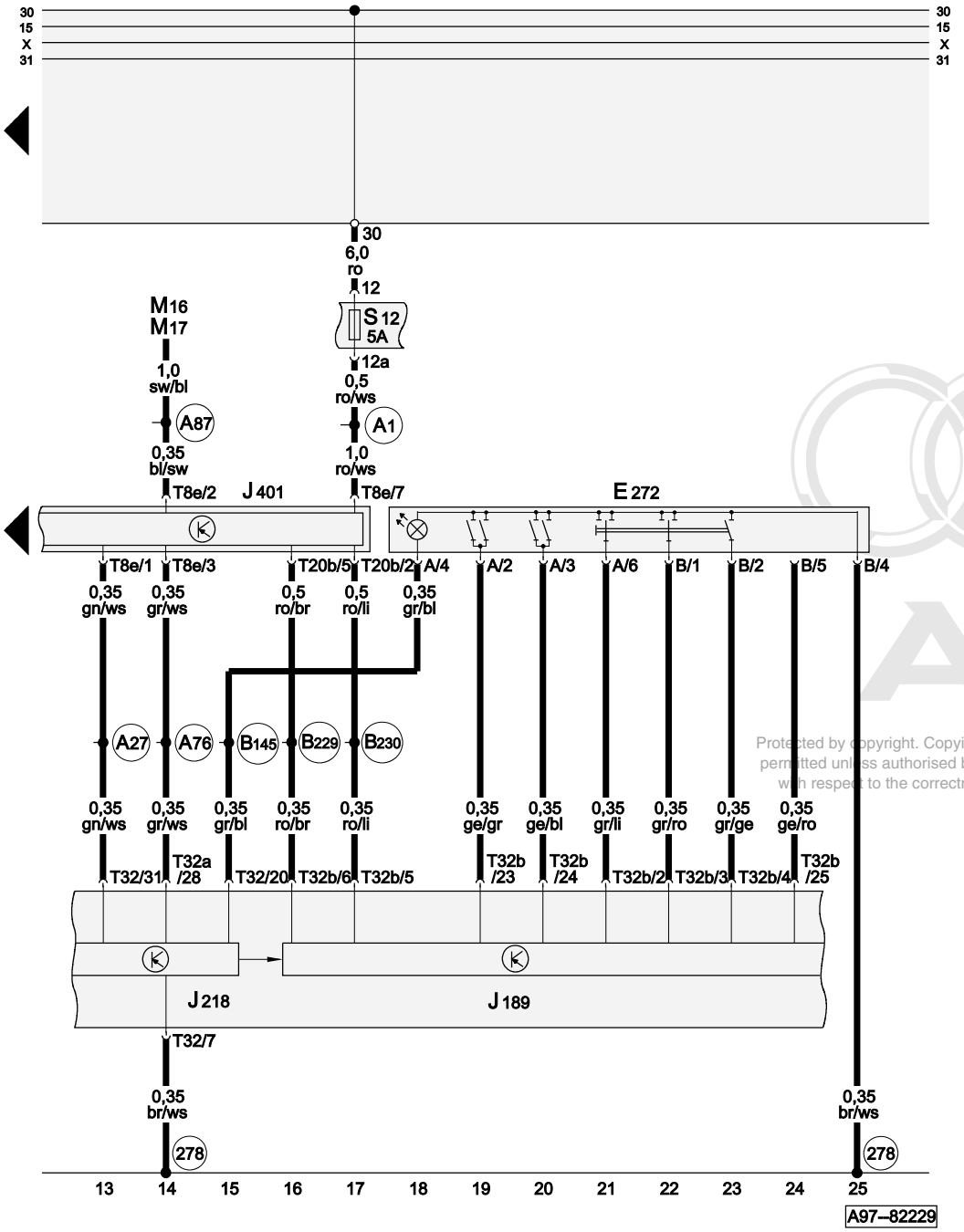


Navigation system

D	Ignition/starter switch
J401	Navigation system with CD drive control unit
J412	Operating electronics control unit, telephone
R	Radio
R36	Telephone transmitter and receiver unit
R39	Loudspeaker for navigation
R50	Navigation aerial (GPS)
S5	Fuse in fuse box
T8e	8-pin connector, black, on navigation control unit
T10k	10-pin connector, red, on radio
T20b	20-pin connector, black, on navigation control unit
285	Earth connection -7-, in interior wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
V15	Connection, in telephone wiring harness
*	Only models with telephone
**	Only models with mobile telephone (provision for mobile phone, see applicable Current Flow Diagram: Mobile phone)
***	Only models with radio
****	Does not apply to models with radio

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

Navigation system

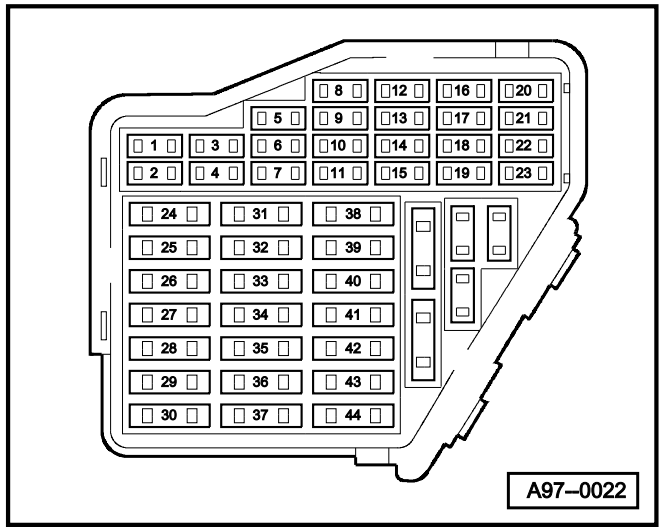
E272	Function selection switch II
J189	Auto-check system
J218	Combi-processor in dash panel insert
401	Navigation system with CD drive control unit
M16	Reversing light bulb, left
M17	Reversing light bulb, right
S12	Fuse in fuse box
T8e	8-pin connector, black, on navigation control unit
T20b	20-pin connector, black, on navigation control unit
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
278	Earth connection -4-, in interior wiring harness
A1	Positive (+) connection (30a), in dash panel wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A87	Connection (RL), in dash panel wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B229	Connection (high bus), in interior wiring harness
B230	Connection (low bus), in interior wiring harness

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Radio Bose sound system

From model year 2000

Fuse box

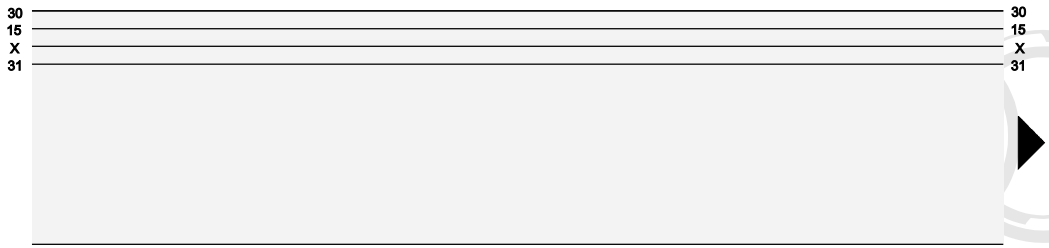


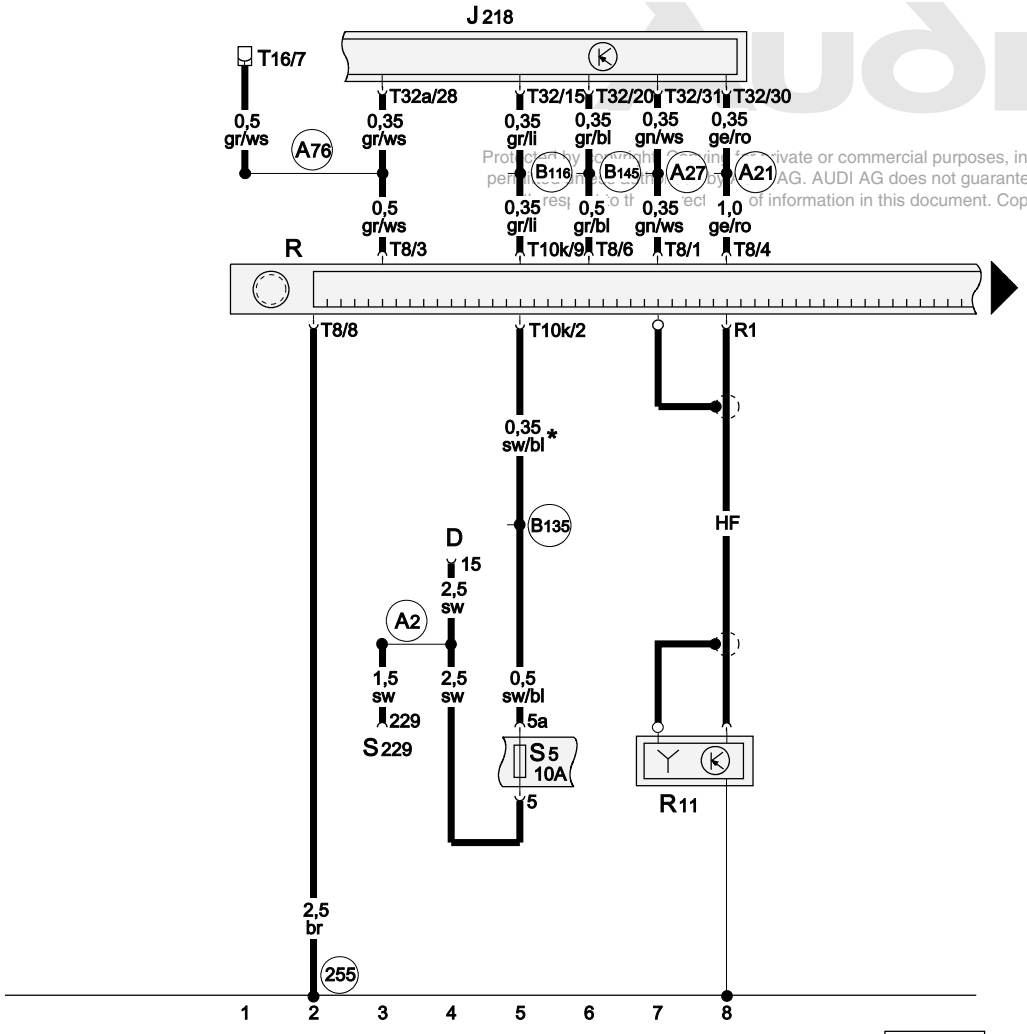
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From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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



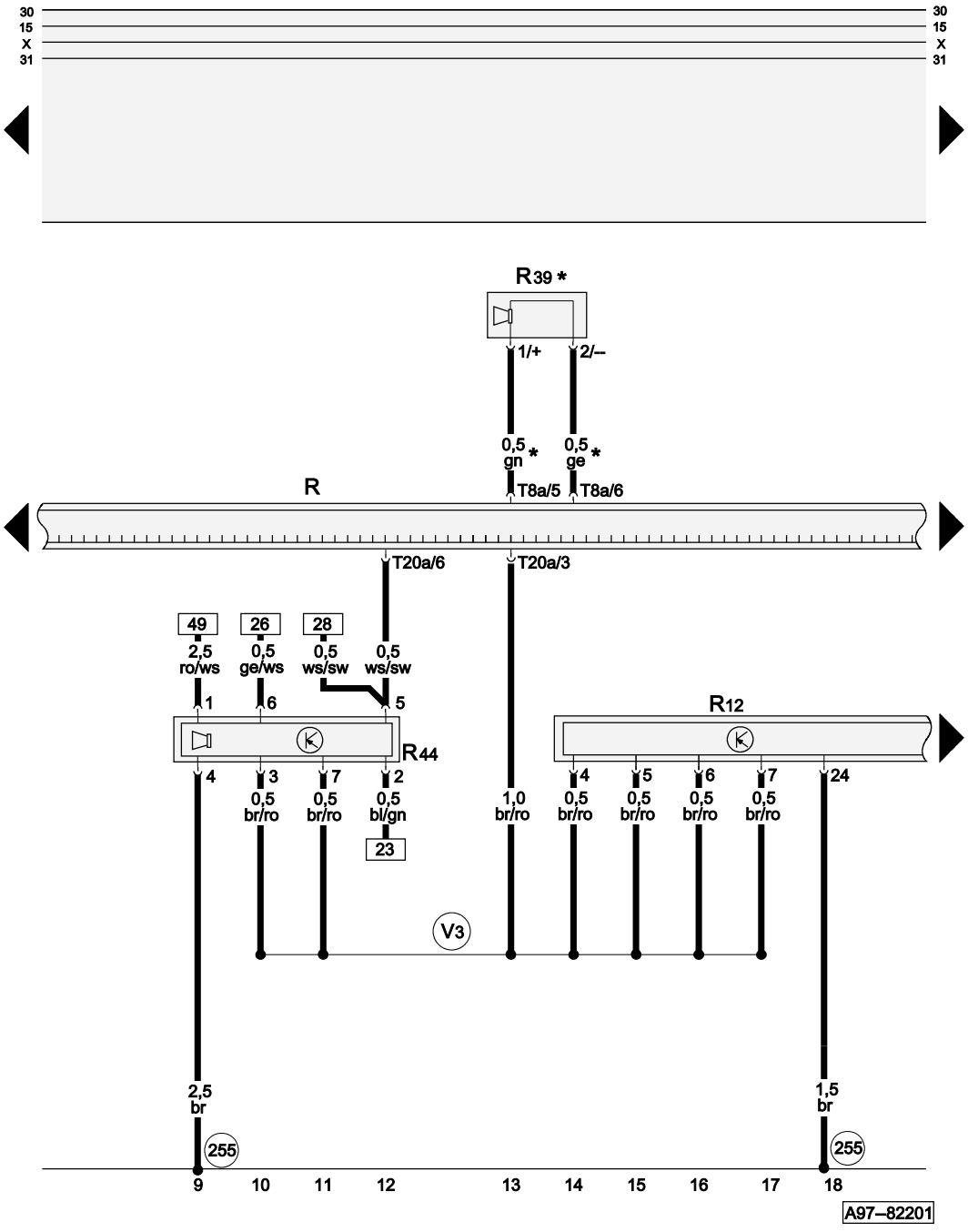


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio Bose sound system

D	Ignition/starter switch
J218	Combi-processor in dash panel insert
R	Radio
R11	Aerial
T8	8-pin connector, radio connector III
T10k	10-pin connector, red, radio connector IV
T16	16-pin connector, black, centre console compartment
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
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
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
B135	Connection -1- (15a), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with navigation system

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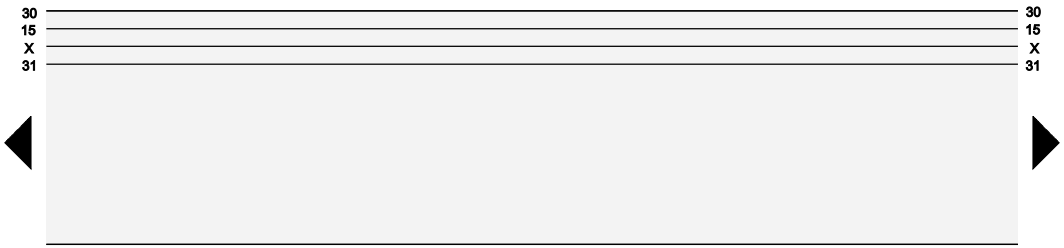


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Radio Bose sound system

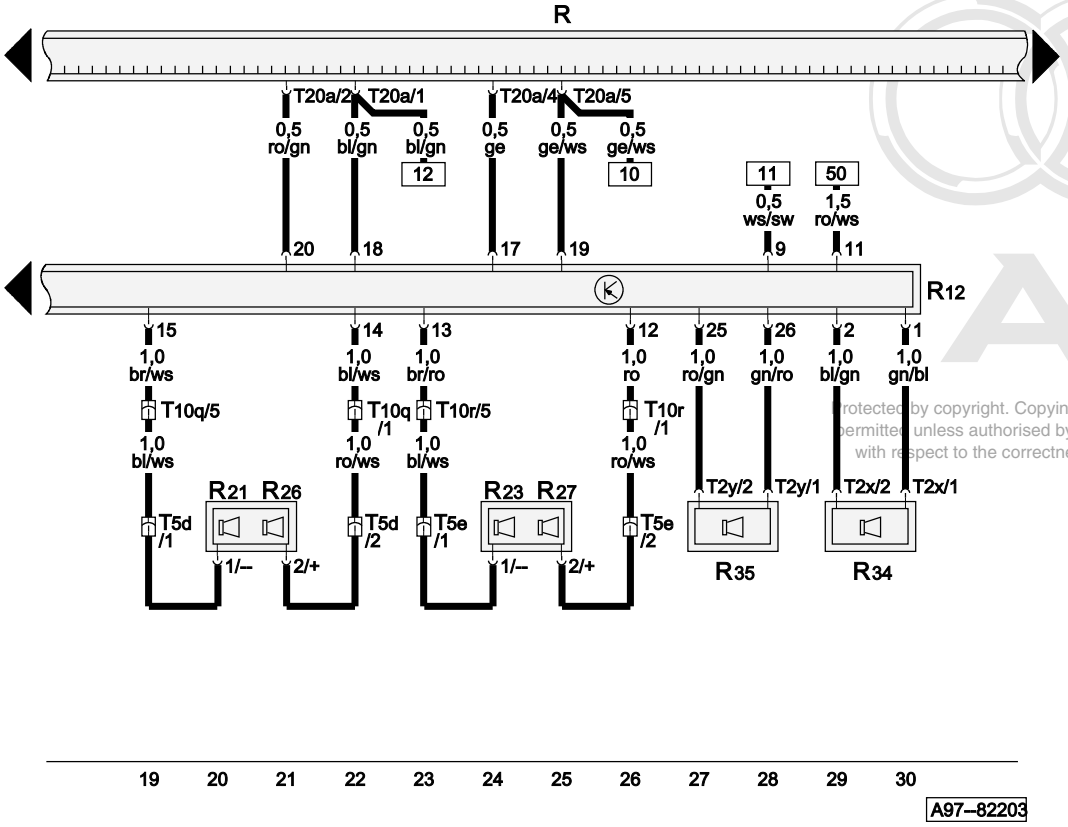
R	Radio
R12	Amplifier
R39	Loudspeaker for telephone
R44	Amplifier with bass loudspeaker (luggage compartment, left)
T8a	8-pin connector, brown, radio connector II
T20a	20-pin connector, black, radio connector I
255	Earth connection -1-, in radio wiring harness
V3	Connection (NF), in rear speaker wiring harness
*	Only models with telephone

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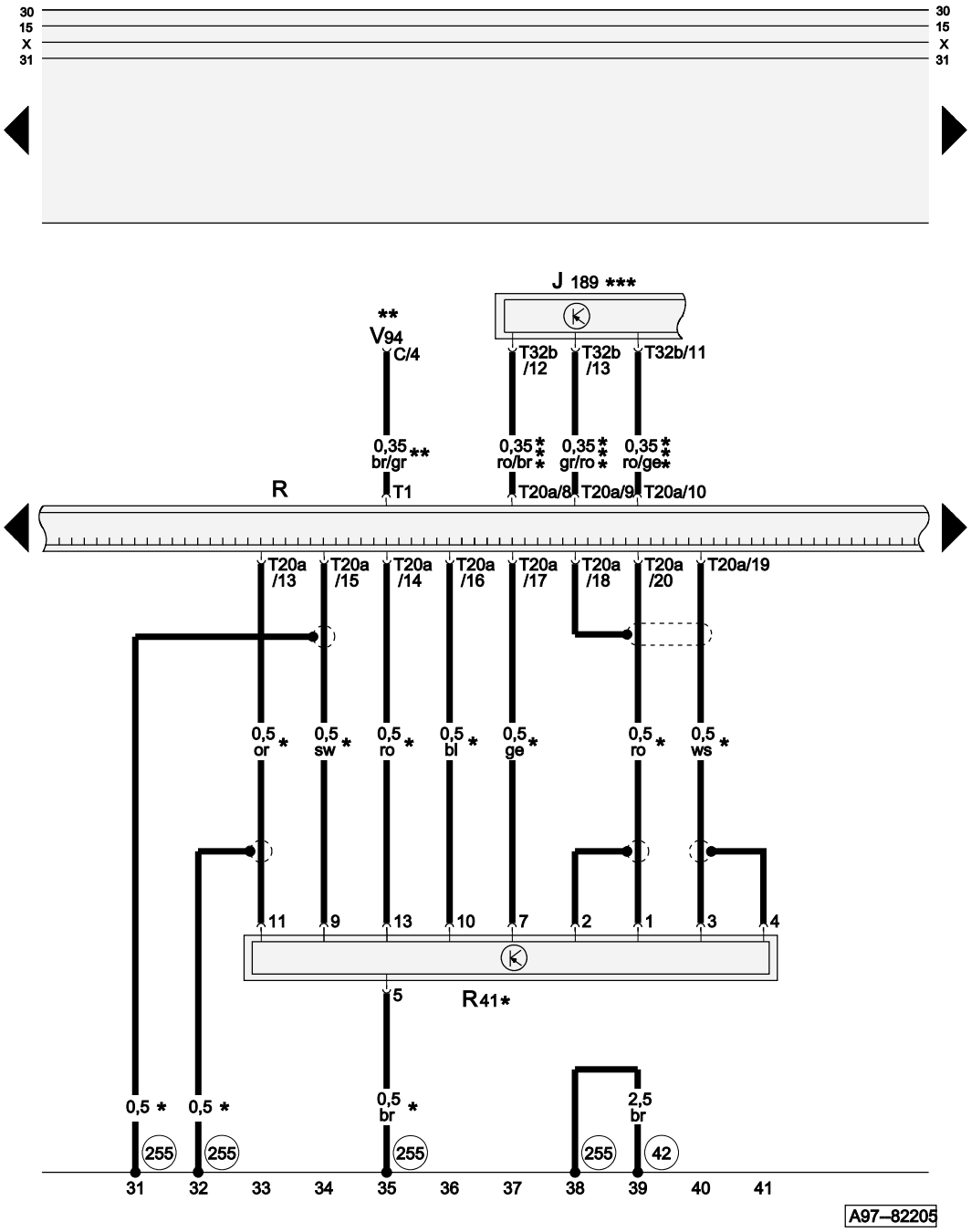
Radio Bose sound system

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
T20a	20-pin connector, black, radio connector I



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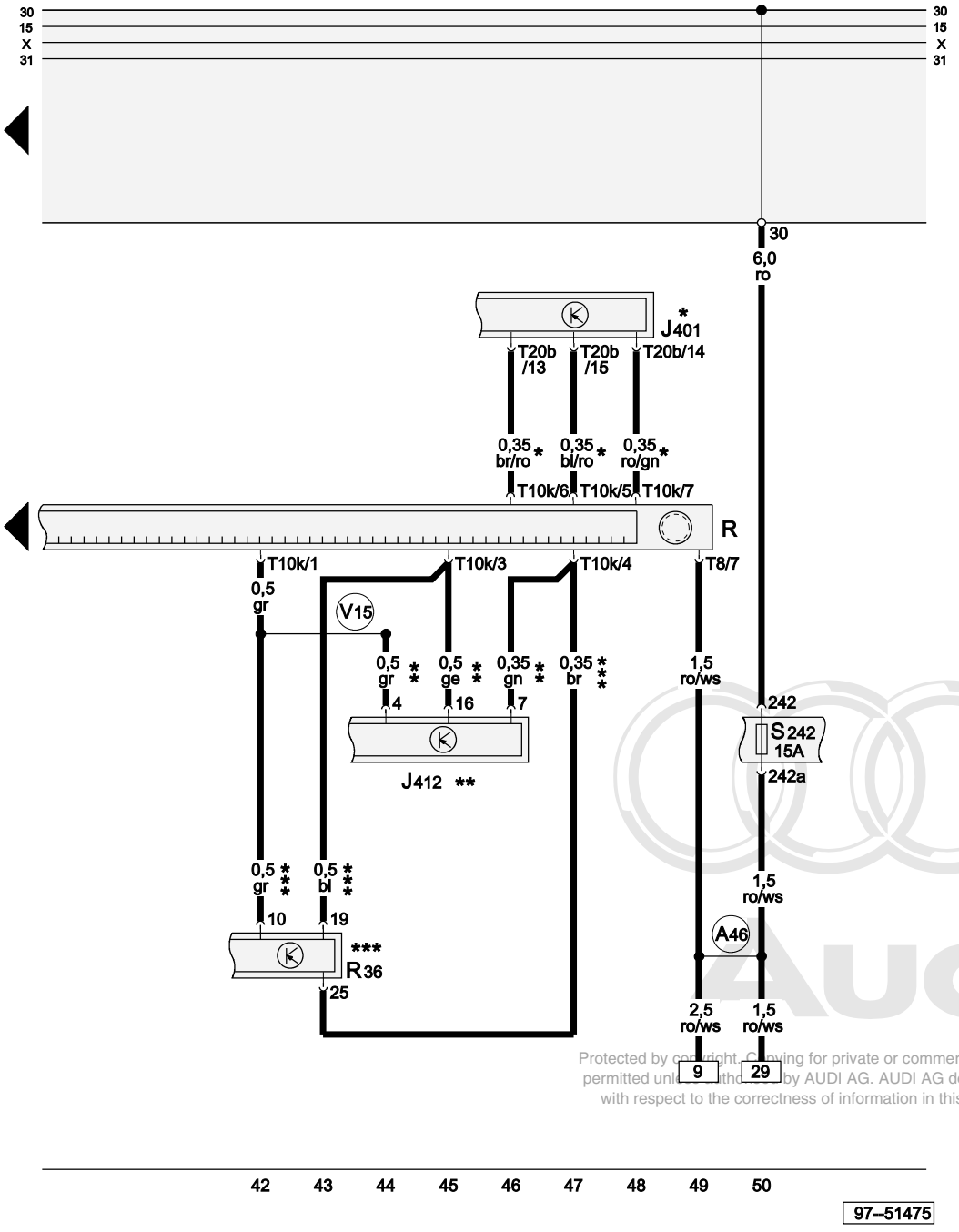


Radio Bose sound system

J189	Auto-check system
R	Radio
R41	CD changer
T1	Single connector, brown, on radio
T20a	20-pin connector, black, radio connector I
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
42	Earth point, next to steering columm
255	Earth connection -1-, in radio wiring harness
*	Only models with CD changer
**	Only models with anti-theft alarm system
***	Only models with driver information system

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or	=	orange
rs	=	pink



Radio Bose sound system

J401	Navigation system with CD drive control unit
J412	Operating electronics control unit, telephone
R	Radio
R36	Telephone transmitter and receiver unit
T8	8-pin connector, radio connector III
T10k	10-pin connector, red, radio connector IV
T20b	20-pin connector, black, on navigation control unit
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
V15	Connection, in telephone wiring harness
*	Only models with navigation system
**	Only models with mobile telephone
***	Only models with telephone

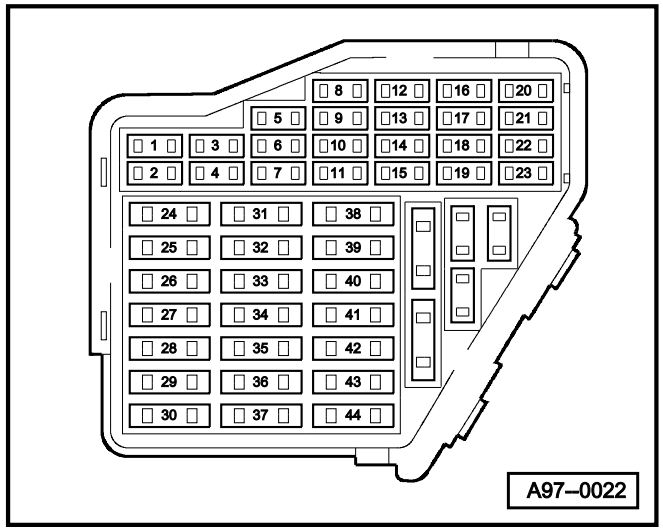
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Radio Concert, radio Chorus with CD changer

From model year 2000

Fuse box:

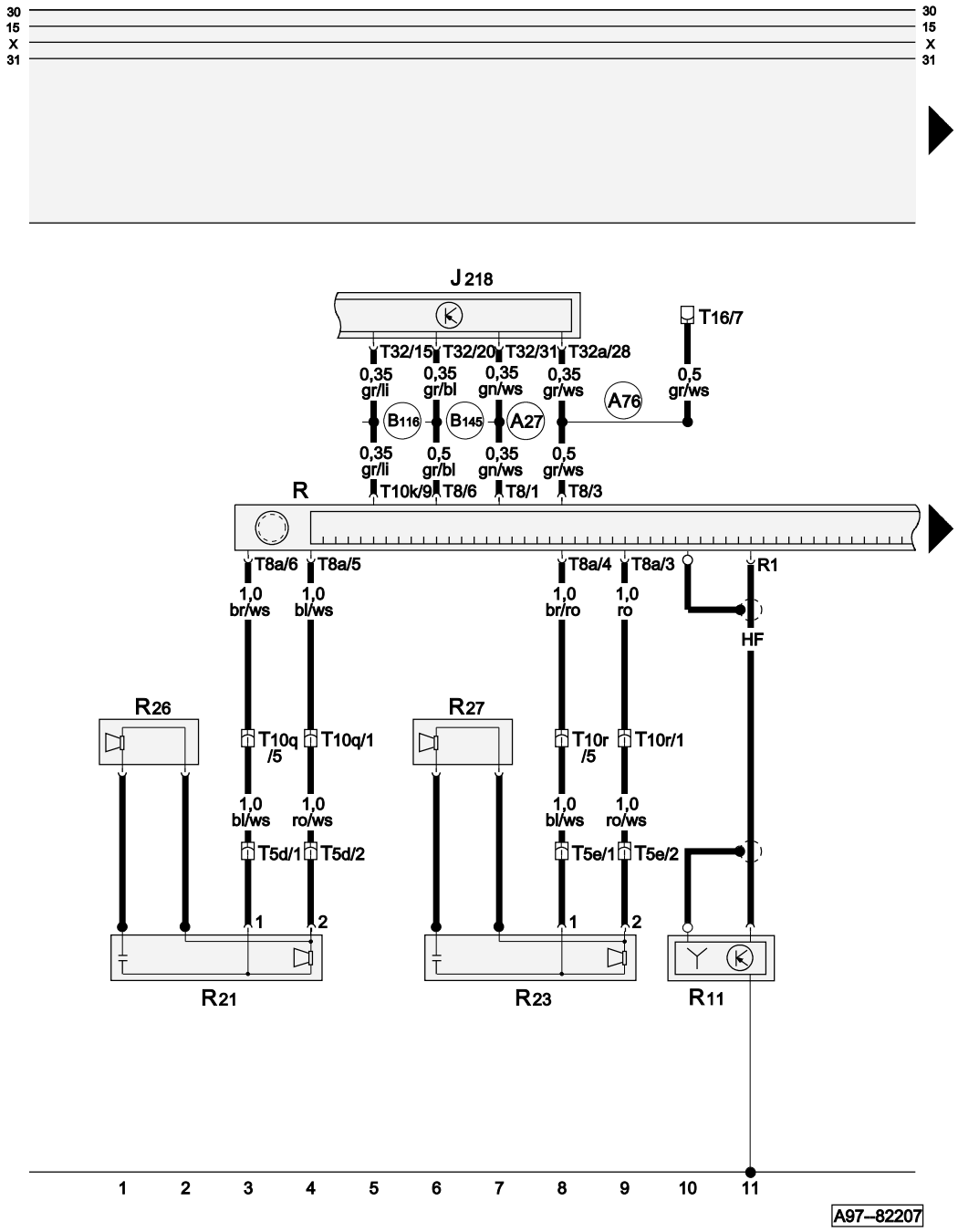


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

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

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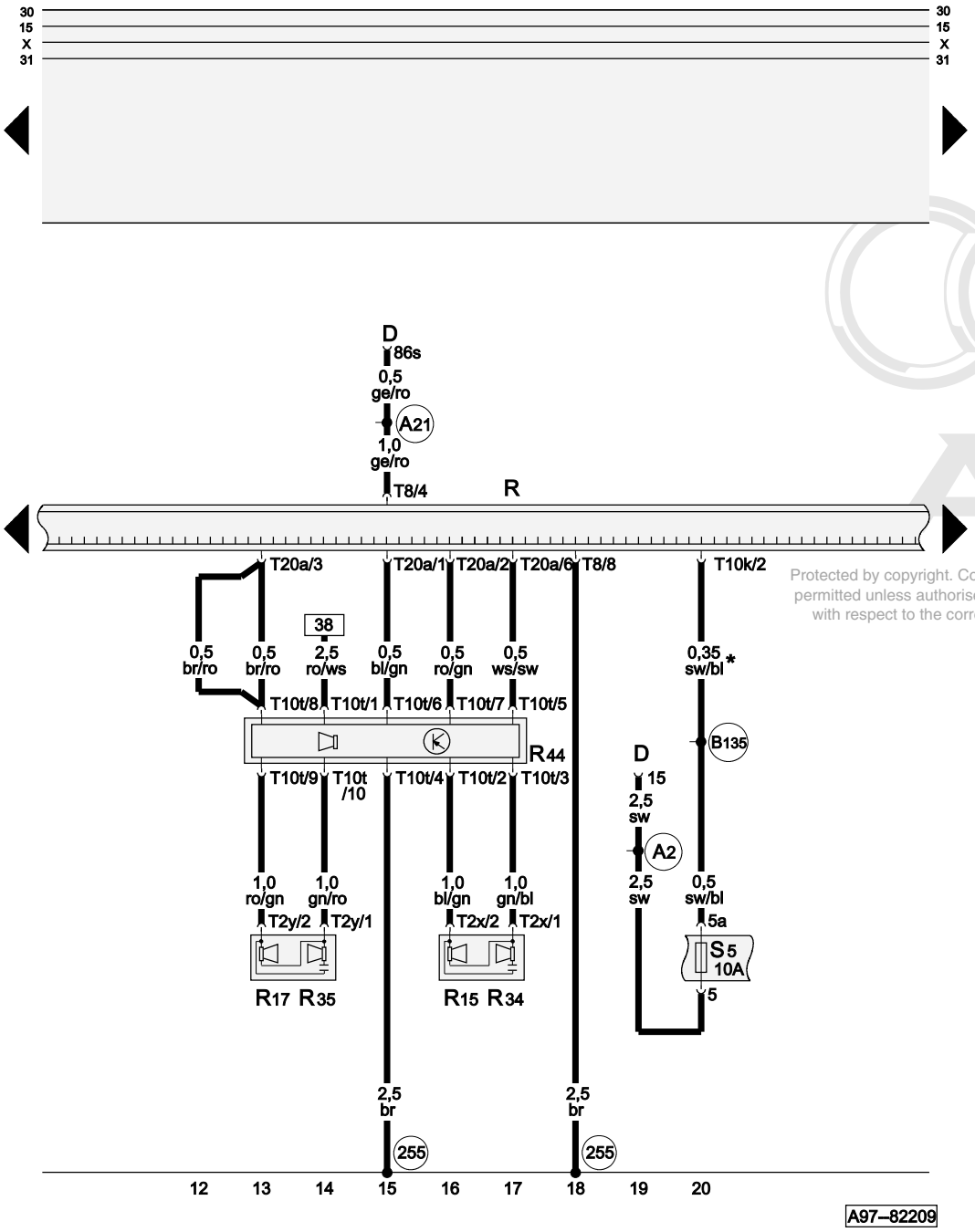


Radio Concert, radio Chorus with CD changer

J218	Combi-processor in dash panel insert
R	Radio
R11	Aerial
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
T8	8-pin connector, radio connector III
T8a	8-pin connector, brown, radio connector II
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
T16	16-pin connector, black, centre console compartment
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
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

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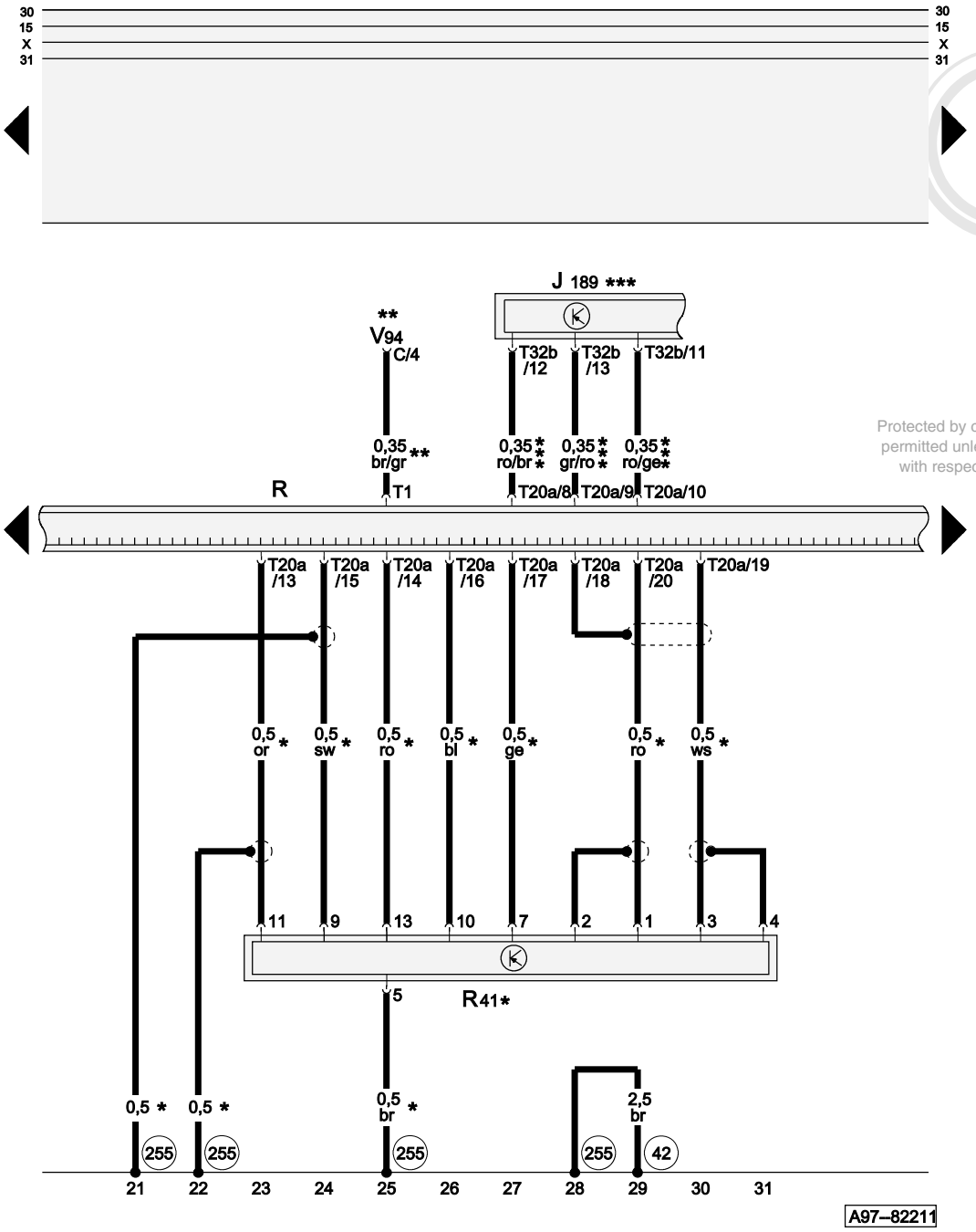


Radio Concert, radio Chorus with CD changer

D	Ignition/starter switch
J218	Combi-processor in dash panel insert
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
T8	8-pin connector, radio connector III
T10k	10-pin connector, red, radio connector IV
T10t	10-pin connector, red, in luggage compartment, left
T20a	20-pin connector, black, radio connector I
T32	32-pin connector, blue, on dash panel insert
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
B135	Connection -1- (15a), in interior wiring harness
*	Only models with navigation system

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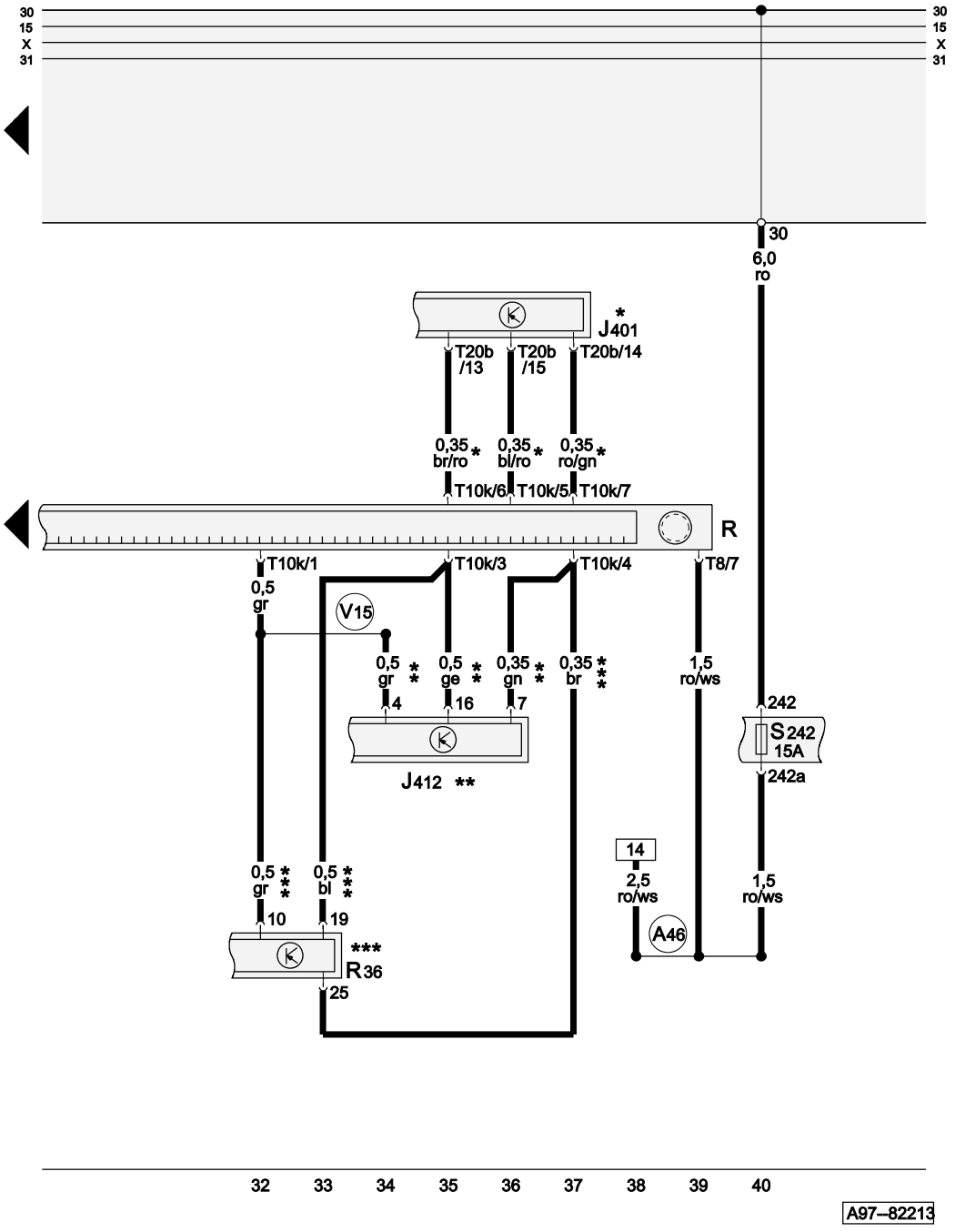


Radio Concert, radio Chorus with CD changer

J189	Auto-check system
R	Radio
R41	CD changer
T1	Single connector, brown, on radio
T20a	20-pin connector, black, radio connector I
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
42	Earth point, next to steering column
255	Earth connection -1-, in radio wiring harness
*	Only models with CD changer
**	Only models with anti-theft alarm system
***	Only models with driver information system

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or	=	orange
rs	=	pink



Radio Concert, radio Chorus with CD changer

J401	Navigation system with CD drive control unit
J412	Operating electronics control unit, telephone
R	Radio
R36	Telephone transmitter and receiver unit
T8	8-pin connector, radio connector III
T10k	10-pin connector, red, radio connector IV
T20b	20-pin connector, black, on navigation control unit
A46	Positive (+) connection (30 - from radio), in dash panel wiring harness
V15	Connection, in telephone wiring harness
*	Only models with navigation system
**	Only models with mobile telephone
***	Only models with telephone

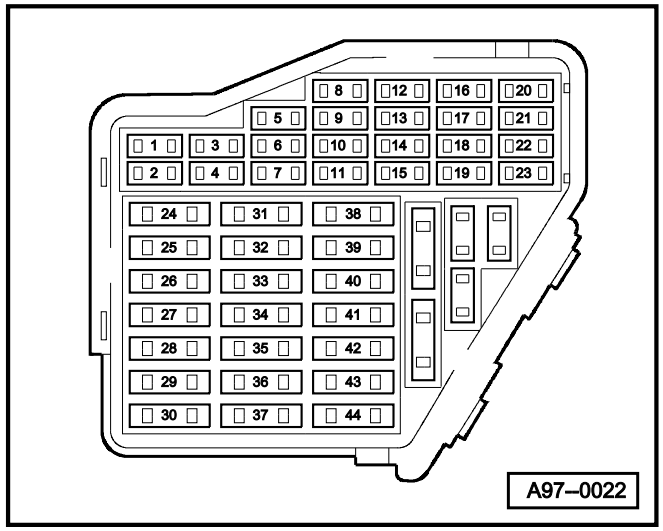
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Provision for radio

From model year 2000

Fuse box:

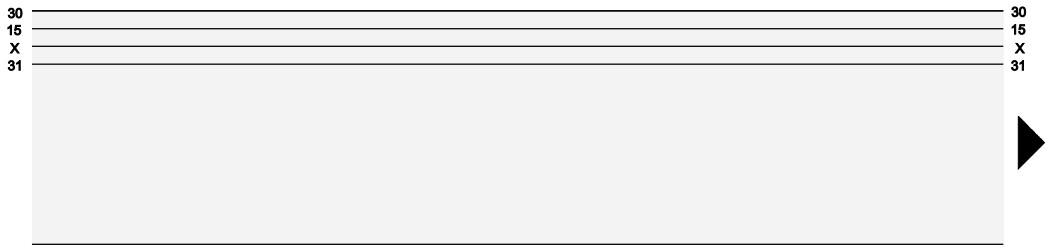


From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Fuse colours

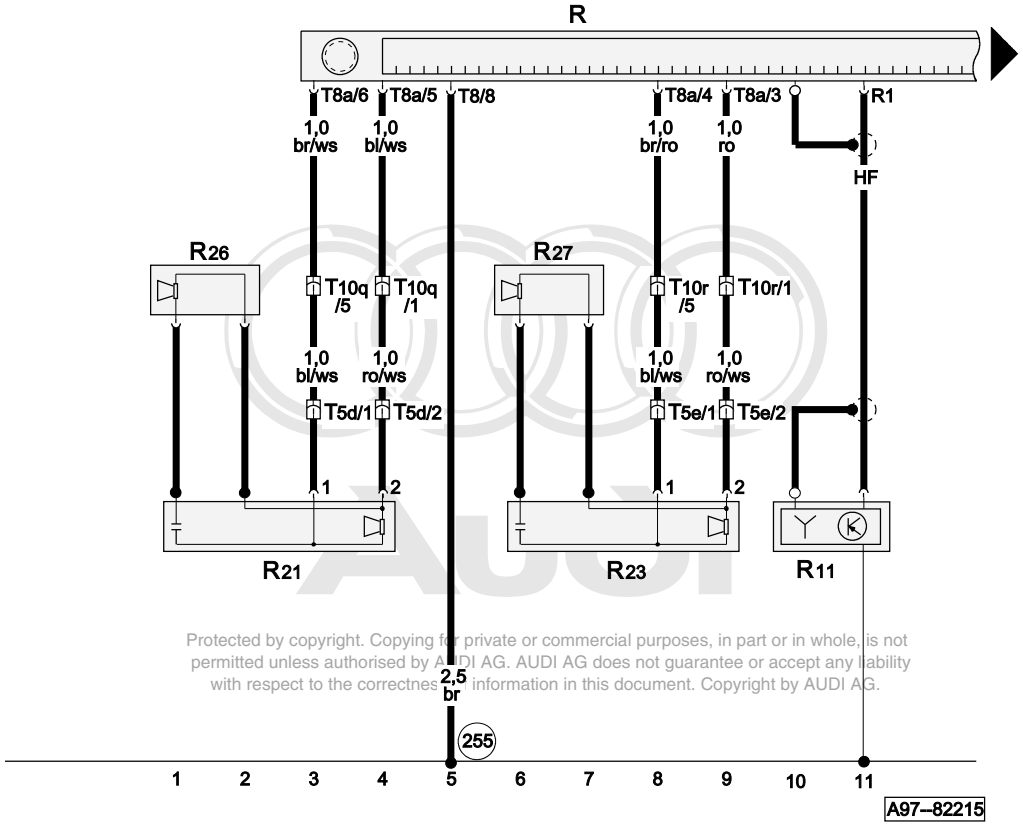
30 A - green
25 A - white
20 A - yellow
15 A - blue
10 A - red
5A - beige

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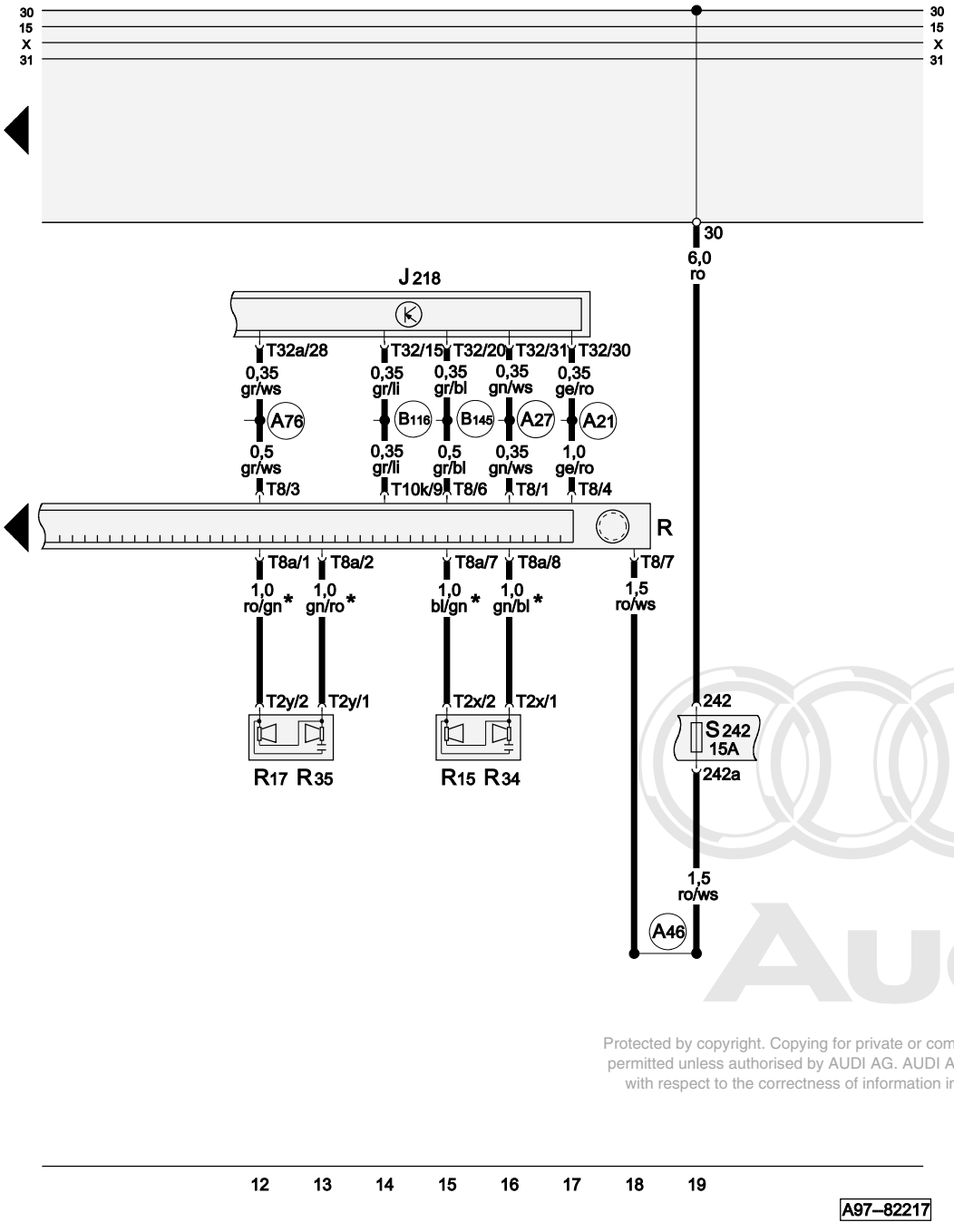
Provision for radio

R	Radio
R11	Aerial
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
T8	8-pin connector, radio connector III
T8a	8-pin connector, brown, radio connector II
T10q	10-pin connector, green, connector carrier, A pillar, left
T10r	10-pin connector, green, connector carrier, A pillar, right
255	Earth connection -1-, in radio wiring harness



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or	=	orange
rs	=	pink



Provision for radio

J218	Combi-processor in dash panel insert
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
T2x	2-pin connector, black, on loudspeaker rear left
T2y	2-pin connector, black, on loudspeaker rear right
T8	8-pin connector, radio connector III
T8a	8-pin connector, brown, radio connector II
T10k	10-pin connector, red, radio connector IV
T32	32-pin connector, blue, on dash panel insert
T32a	32-pin connector, green, on dash panel insert
A21	Connection (86s), in dash panel wiring harness
A27	Connection (speed signal), in dash panel wiring harness
A46	Positive (+) connection (30 - from radio), 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 to engine codes APY

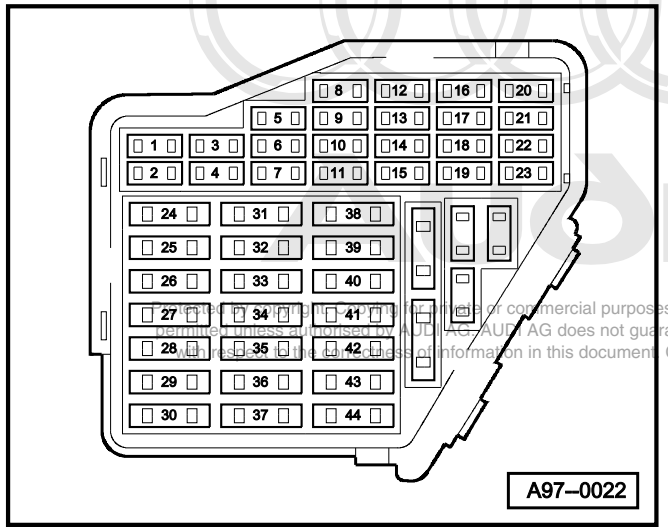
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Daytime driving lights and fog lights (for 1.8 litre turbo-Motronic 154kW, 4-cylinder - S3)

From model year 1999

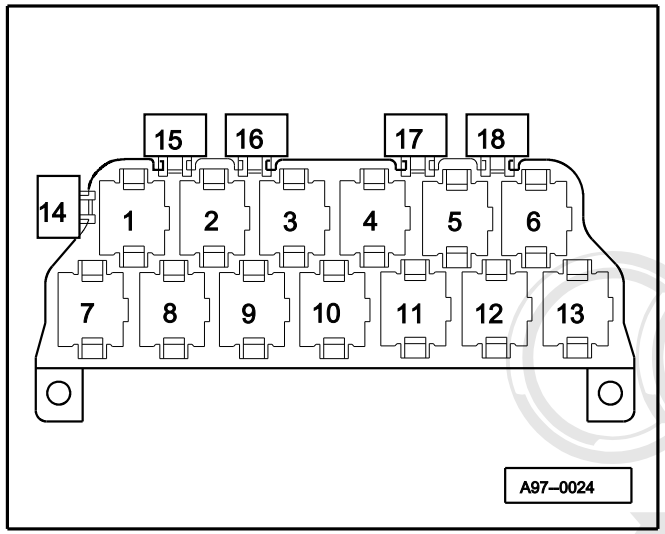
Fuse box:



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13-point relay carrier:



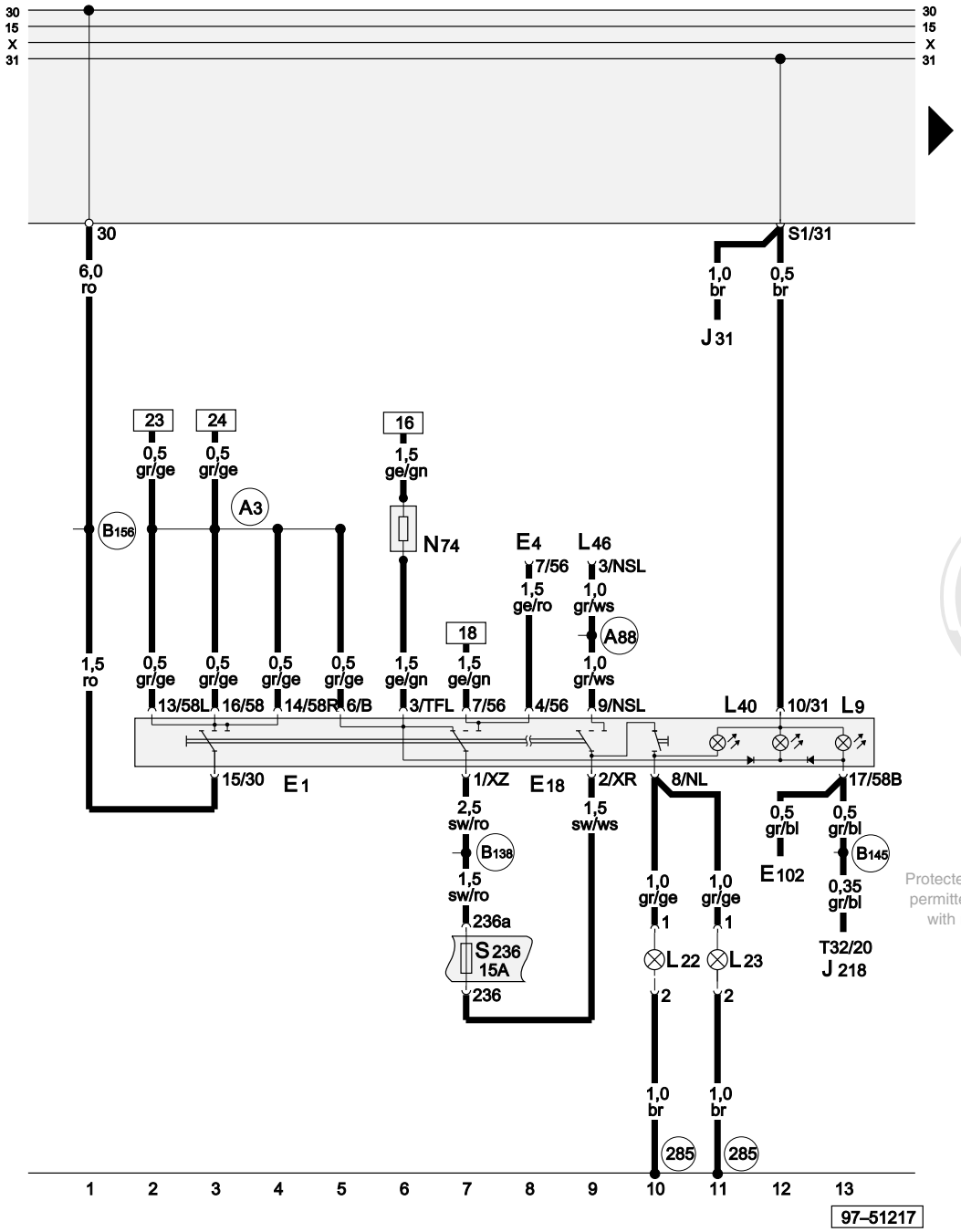
Position of relays:

2 - Bulb monitoring device
3 - Bulb monitoring device

Fuse colours

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

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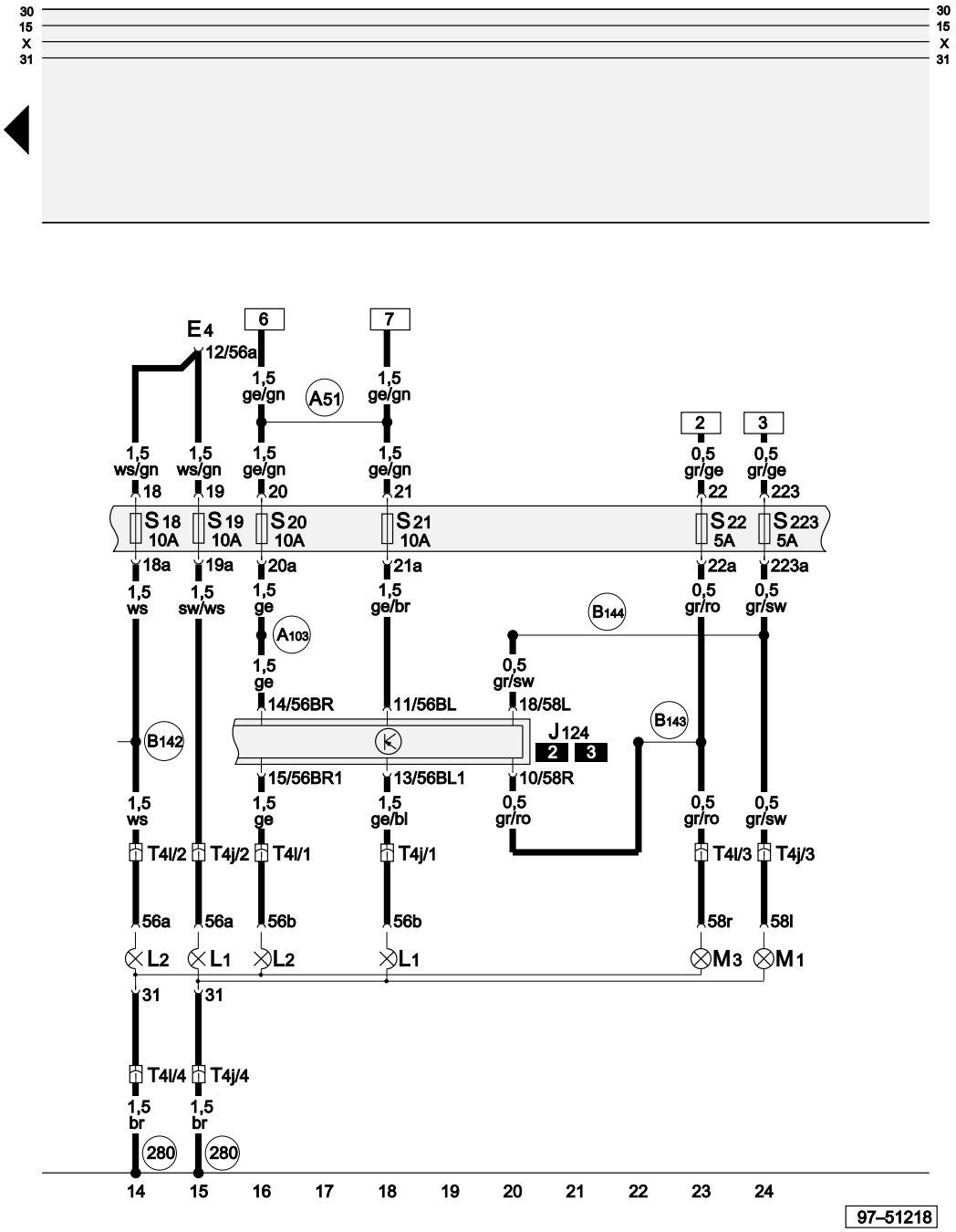


Daytime driving lights and fog lights (for 1.8 litre turbo-Motronic 154kW, 4-cylinder - S3)

E1	Lighting switch
E4	Headlight dipper/flasher switch
E18	Rear fog light switch
E102	Headlight range control adjuster
J31	Automatic intermittent wash/wipe relay
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 bulb
L46	Rear fog light bulb, left
N74	Resistance wire
T32	32-pin connector, blue, on dash panel insert
285	Earth connection -7-, in interior wiring harness
A3	Positive (+) connection (58), in dash panel wiring harness
A88	Connection (RFL), in dash panel wiring harness
B138	Positive (+) connection (X), in interior wiring harness
B145	Positive (+) connection (58b), in interior wiring harness
B156	Positive (+) connection -4- (30), in interior wiring harness

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bl	=	blue
gr	=	grey
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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
rs = pink

Daytime driving lights and fog lights (for 1.8 litre turbo-Motronic 154kW, 4-cylinder - S3)

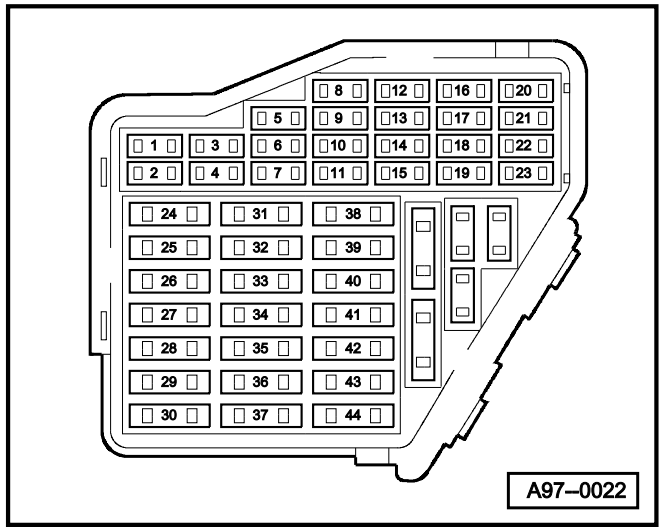
E4	Headlight dipper/flasher switch
J124	Bulb monitoring device, rear
L1	Twin filament bulb for headlight, left
L2	Twin filament bulb for headlight, right
M1	Side light bulb, left
M3	Side light bulb, right
S18	Fuse in fuse box
S19	Fuse in fuse box
S20	Fuse in fuse box
S21	Fuse in fuse box
S22	Fuse in fuse box
S223	Fuse in fuse box
T4j	4-pin connector, headlight, left
T4l	4-pin connector, headlight, right
280	Earth connection -2-, in engine compartment 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

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Telephone (Nokia), with navigation system

From model year 2000

Fuse box:

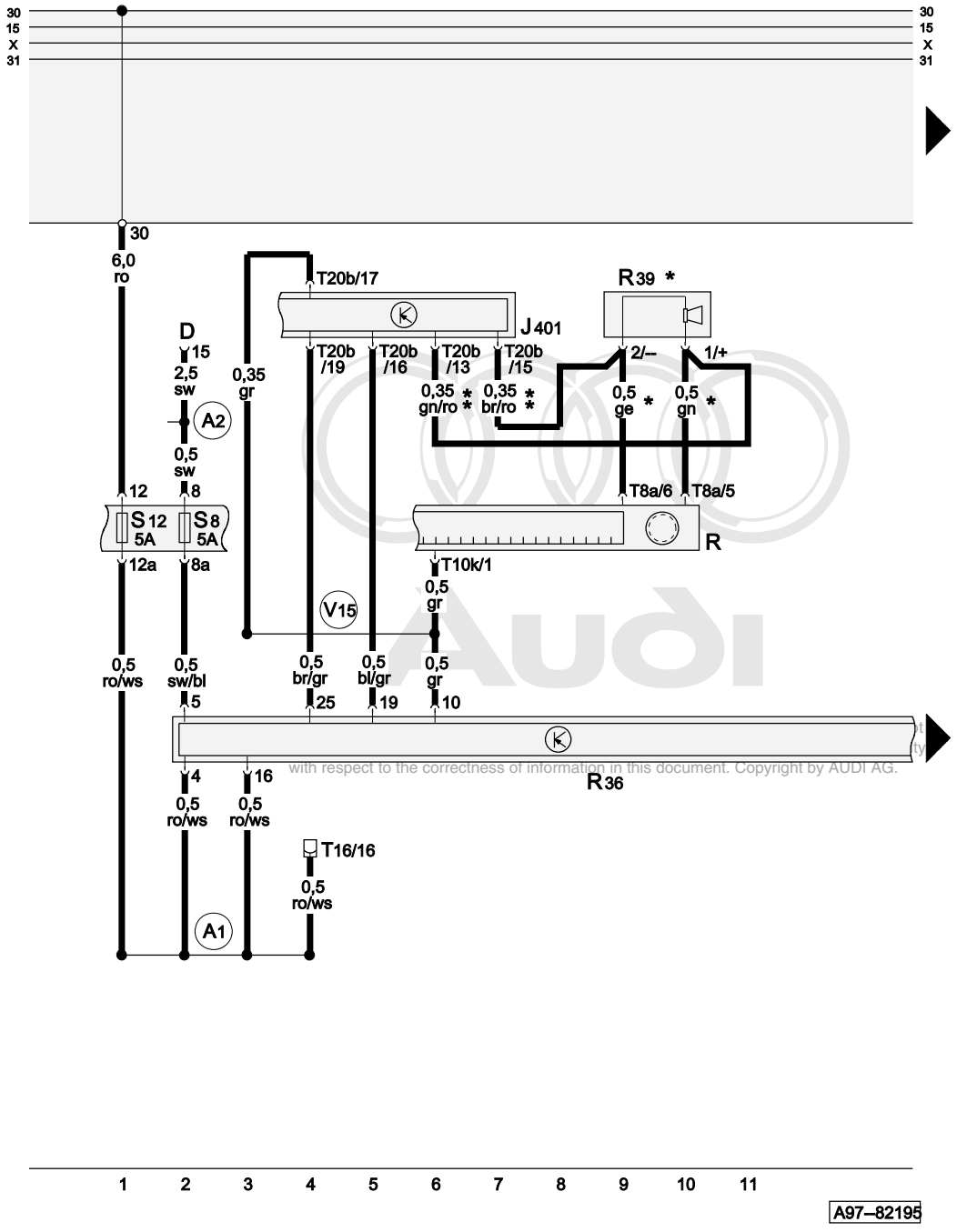


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Fuse colours

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

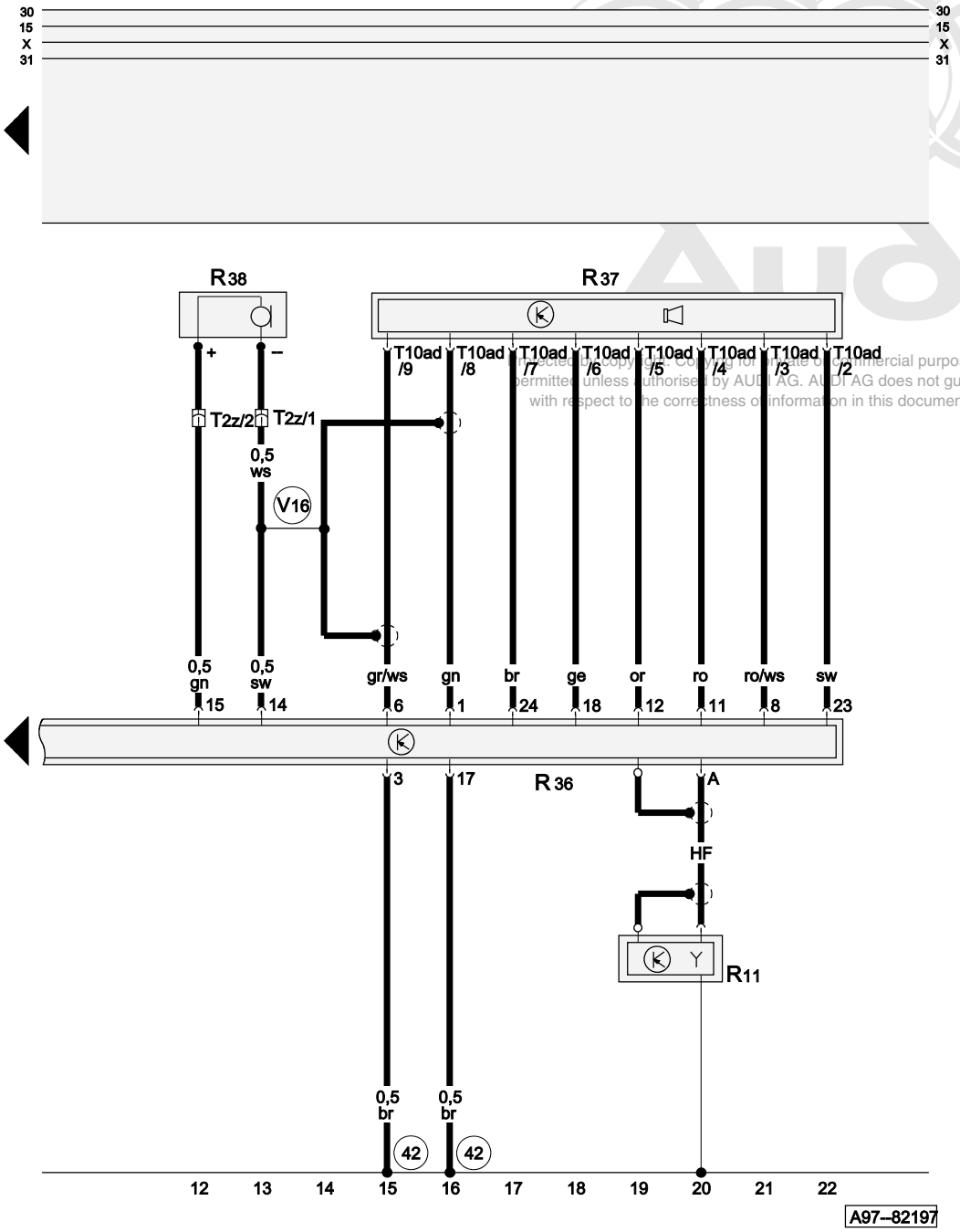


Telephone (Nokia), with navigation system

D	Ignition/starter switch
J401	Navigation system with CD drive control unit
R	Radio
R36	Telephone transmitter and receiver unit
R39	Loudspeaker for telephone
T8a	8-pin connector, brown, on radio
T10k	10-pin connector, red, on radio
T16	16-pin connector, black, centre console compartment (diagnosis connector)
T20b	20-pin connector, black, on navigation control unit
A1	Positive (+) connection (30a), in dash panel wiring harness
A2	Positive (+) connection (15), in dash panel wiring harness
V15	Connection, in telephone wiring harness
V16	Connection (screening), in telephone wiring harness
*	Only models with radio Bose sound system
**	Models without radio

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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Telephone (Nokia), with navigation system

R11	Aerial
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
42	Earth point, next to steering columm
V16	Connection (screening), in telephone wiring harness

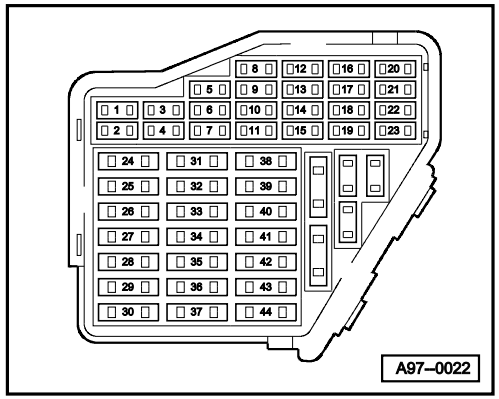
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Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

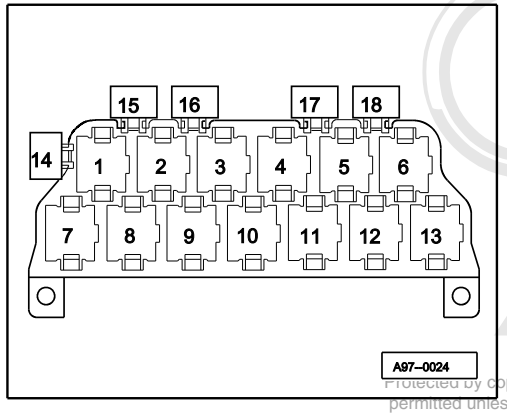
From model year 2000

Fuse box:



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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Position of relays:

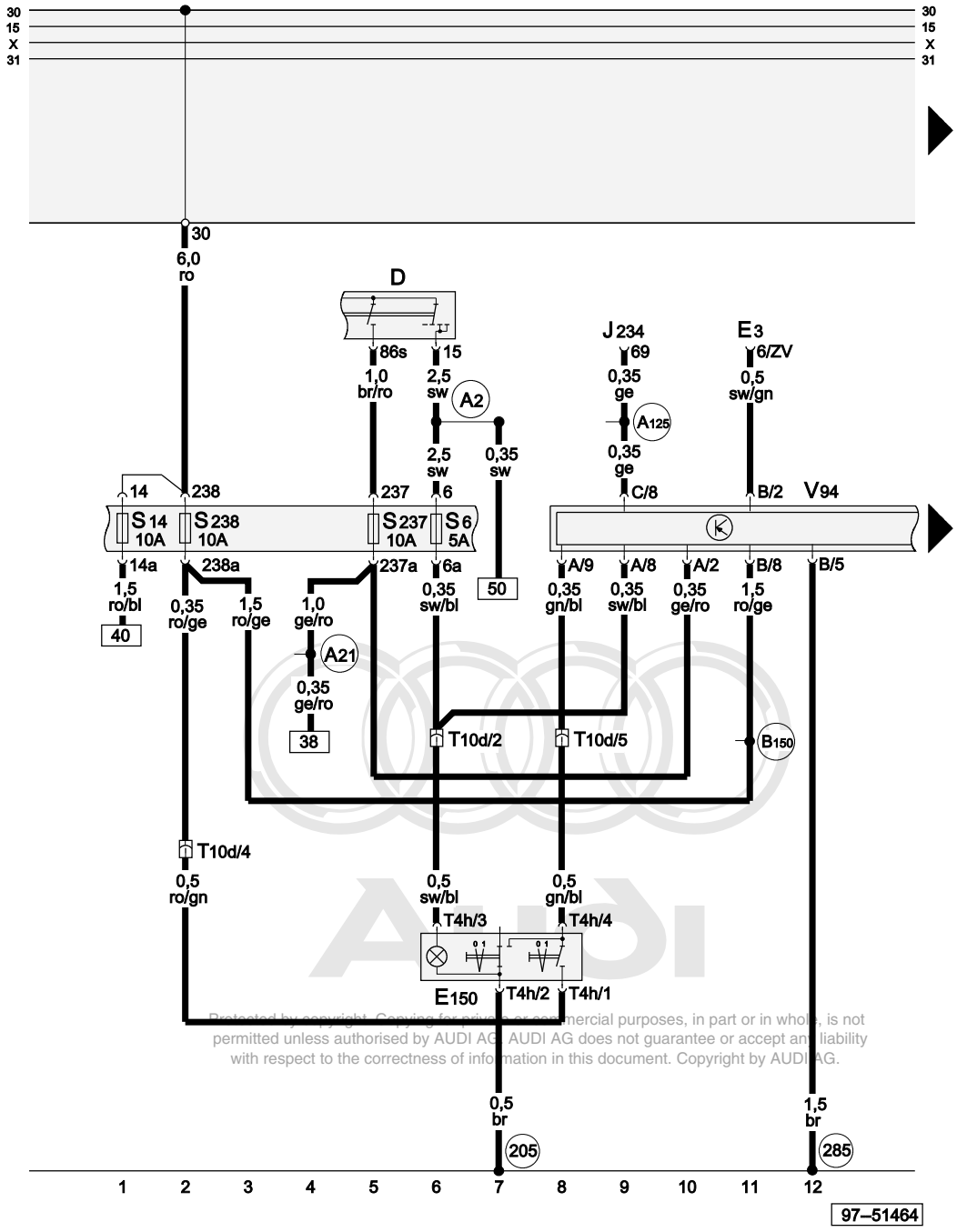
10 - Door warning lamps control unit

Fuse colours:

30 A - green
25 A - white
20 A - yellow

15 A - blue
10 A - red

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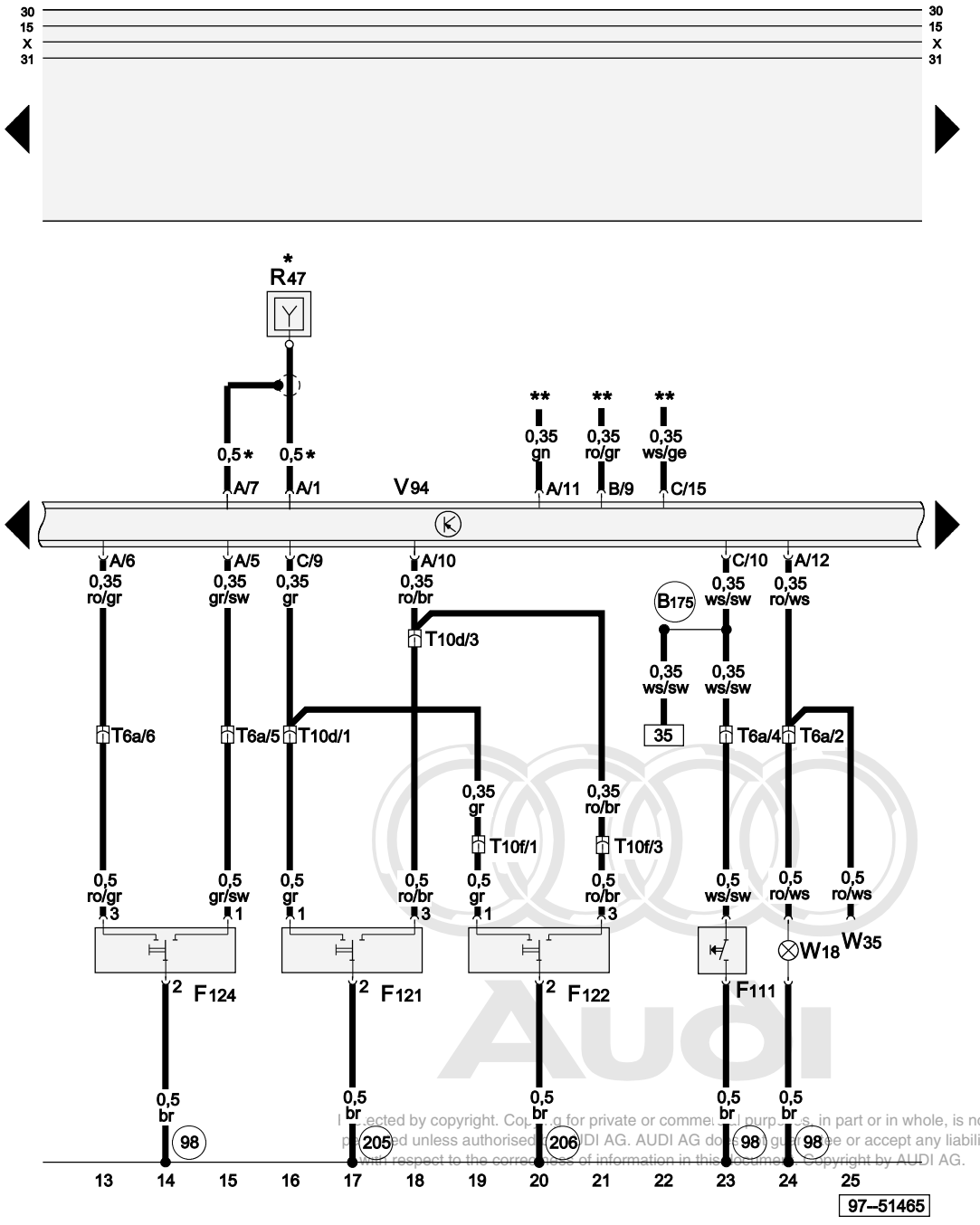


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li = purple
ge = yellow
or = orange
rs = pink

Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

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
S14	Fuse in fuse box
S237	Fuse in fuse box
S238	Fuse in fuse box
T4h	4-pin connector, black, 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
285	Earth connection -7-, 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

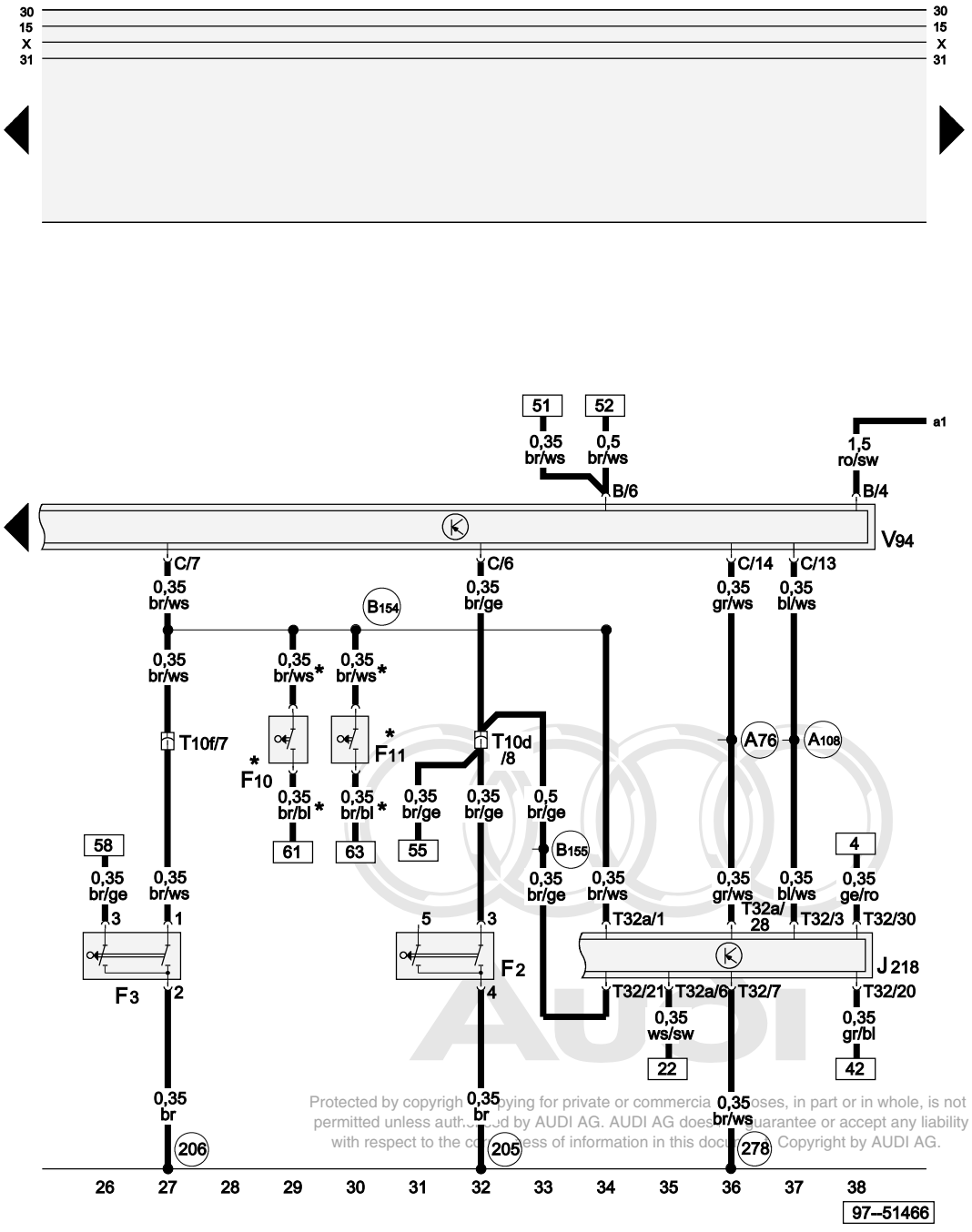


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or = orange
rs = pink

Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

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
R47	Central locking and anti-theft alarm system aerial
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
*	Only models with radio-operated remote control
**	See Current Flow Diagram for 'Window lifters' or 'Sliding roof'

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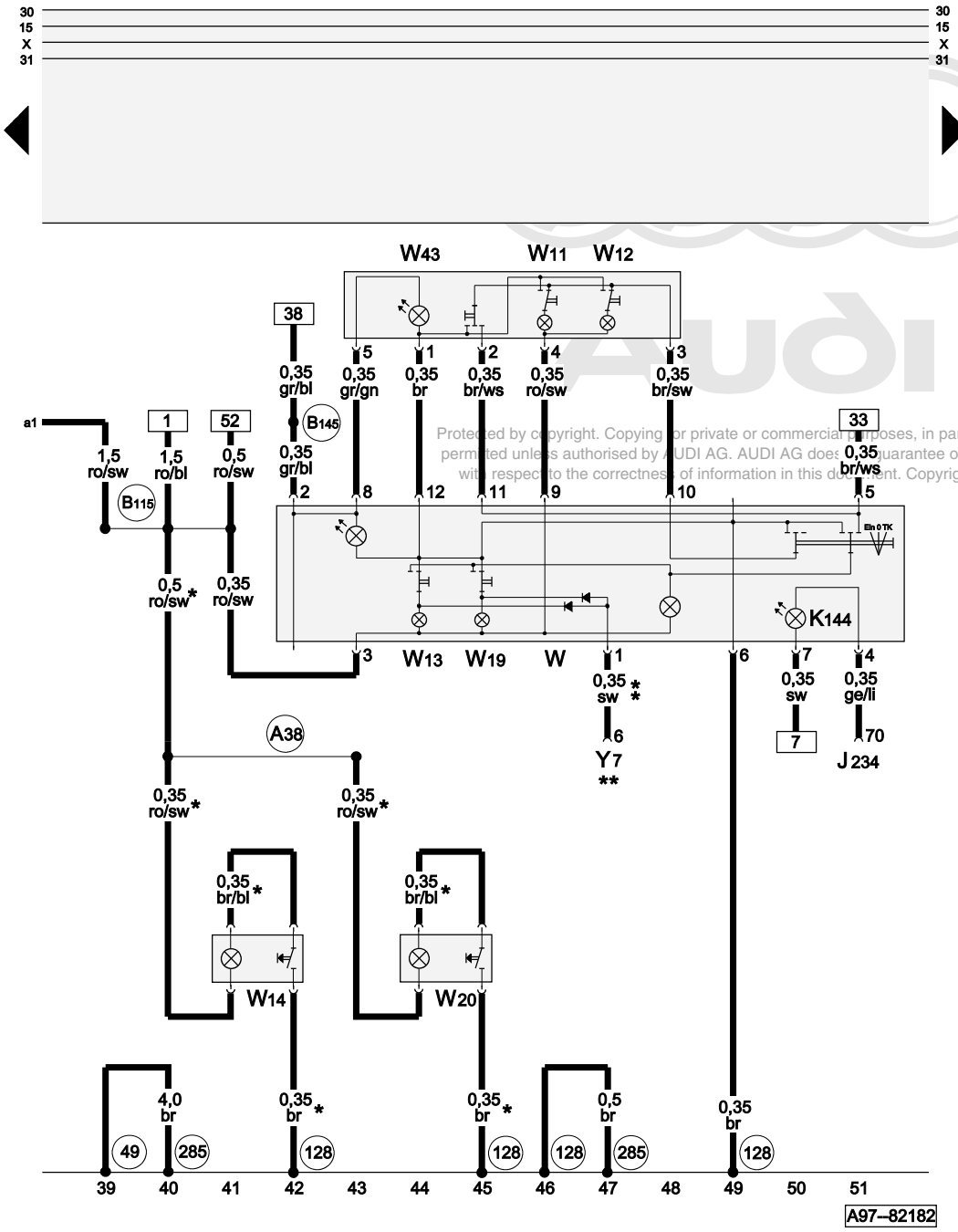


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li = purple
ge = yellow
or = orange
rs = pink

Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors

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
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
205	Earth connection, in door wiring harness - driver's side
206	Earth connection, in door wiring harness - front passenger's side
278	Earth connection -4-, in interior wiring harness
A76	Connection (diagnosis wire K), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
B154	Connection -1- (DC), in interior wiring harness
B155	Connection -2- (DC), in interior wiring harness
*	Only on 4-door models

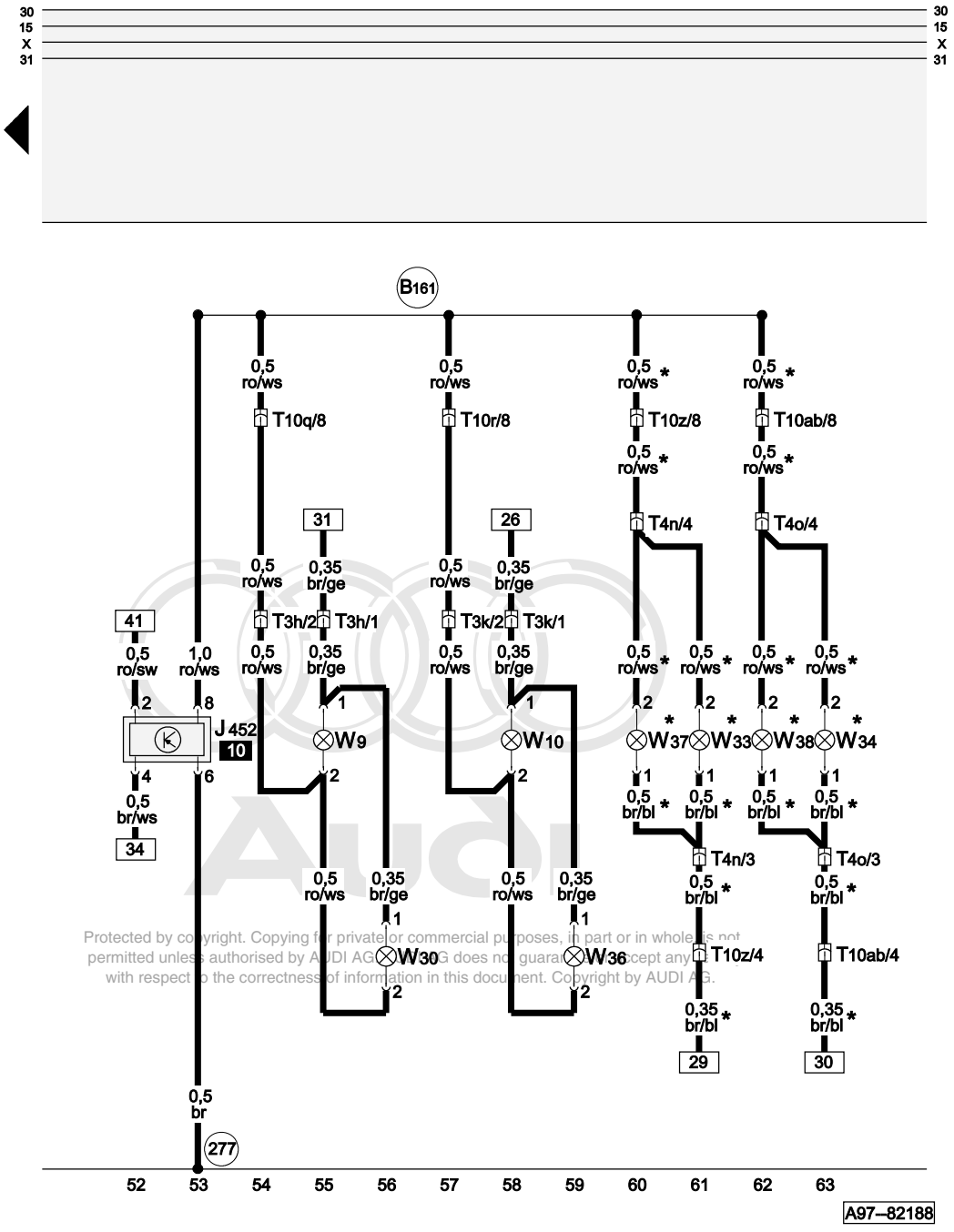


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Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors, door warning lamps

J234	Airbag control unit
K144	Airbag disabled warning lamp, driver's side
W	Interior light, front
W11	Reading light, rear left
W12	Reading light, rear right
W13	Reading light, front passenger's side
W14	Illuminated make-up mirror, front passenger's side
W19	Reading light, driver's side
W20	Illuminated make-up mirror, front driver's side
W43	Rear interior light
Y7	Automatic anti-dazzle interior mirror
49	Earth point, next to steering column, left
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
B145	Positive (+) connection (58b), in interior wiring harness
*	Only models with illuminated make-up mirror
**	Only models with automatic anti-dazzle interior mirror



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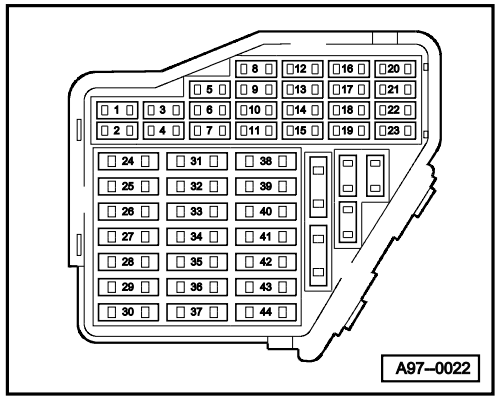
Central locking system with interior lights switch-off delay, reading lights and illuminated make-up mirrors, door warning lamps

J452	Door warning lamps control unit
T3h	3-pin connector, black, in driver's door
T3k	3-pin connector, black, 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, right
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

Audi A3 (1,8 l litre fuel injection engine, 110 kW, Motronic, 4-cylinder) engine codes AGU

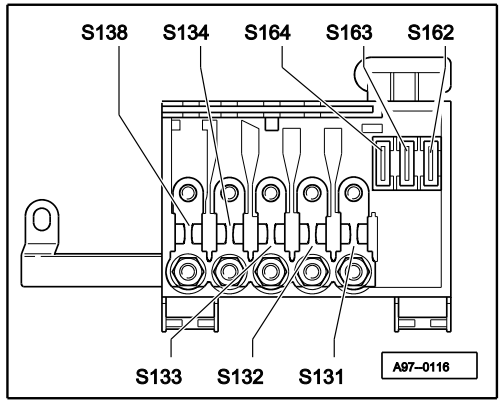
From model year 2000

Fuse box:



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

Main fuse box/battery:



Position of fuses:

S131 - Fuse 1
S132 - Fuse 2
S133 - Fuse 3
S134 - Fuse 4
S138 - Fuse 5

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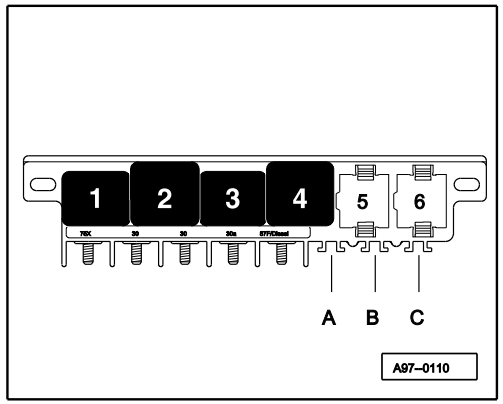
S162 - 1 in fuse box/battery
S163 - 2 in fuse box/battery
S164 - 3 in fuse box/battery
S133 - S132

S131

Fuse colours:

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

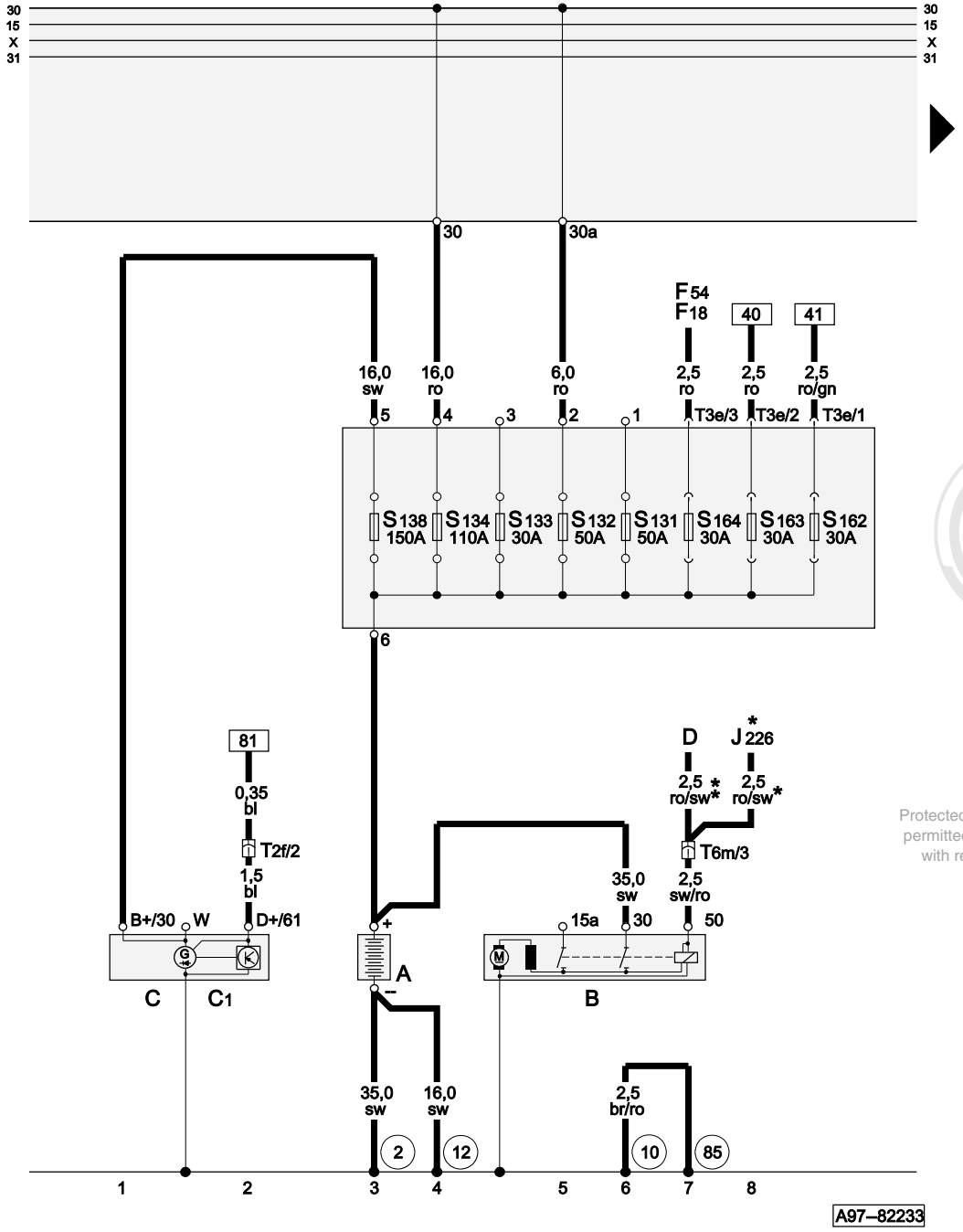
Micro-central electrics:



Position of relays:

4 - Fuel pump relay

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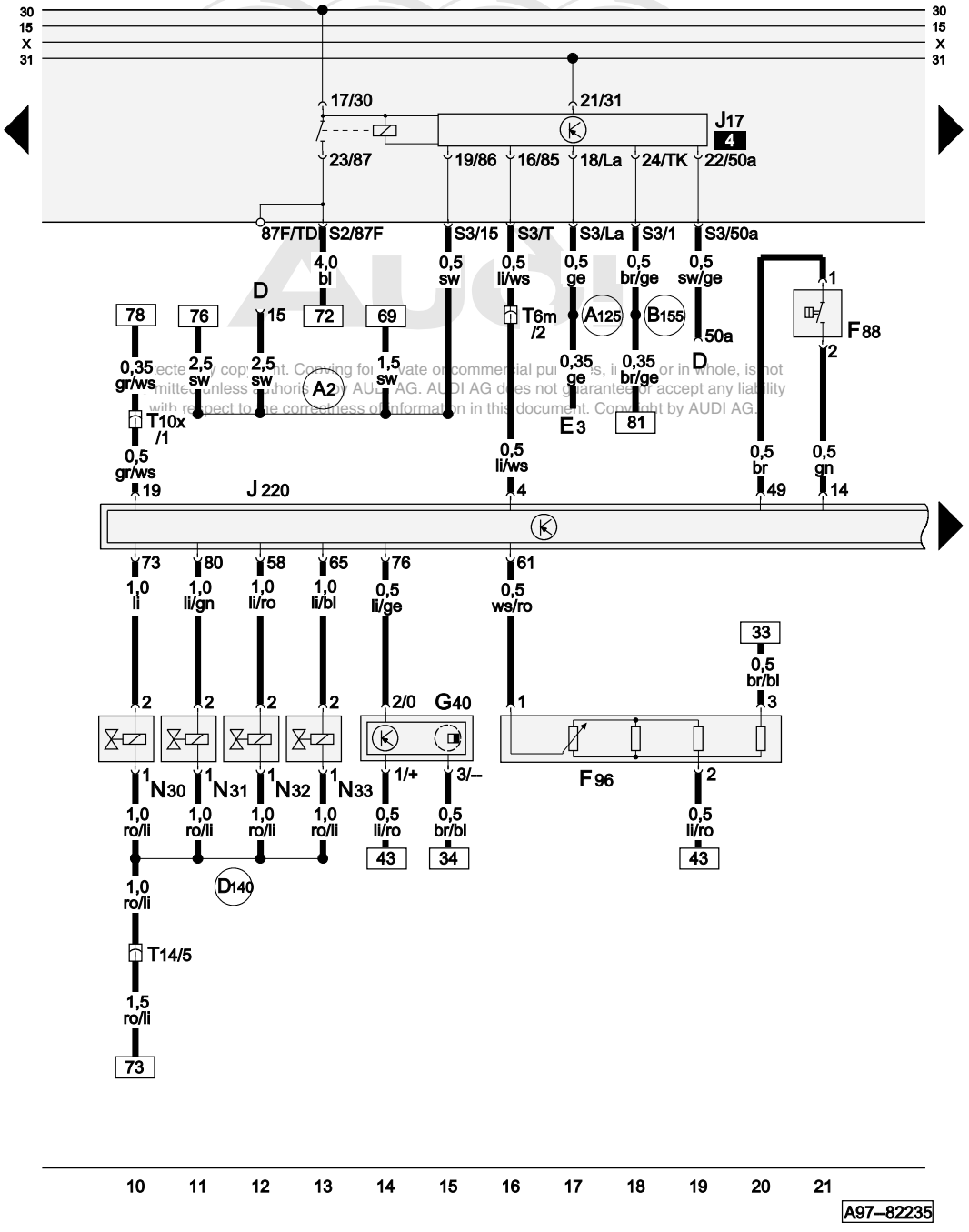


Battery, starter, alternator, main fuse box/battery

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
F18	Radiator fan thermo-switch
F54	Radiator fan thermo-switch
J226	Starter inhibitor and reversing light relay
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
T2f	2-pin connector, wiring duct, in engine compartment, left
T3e	3-pin connector, black, on main fuse box/battery
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 automatic gearbox
**	Only models with manual gearbox

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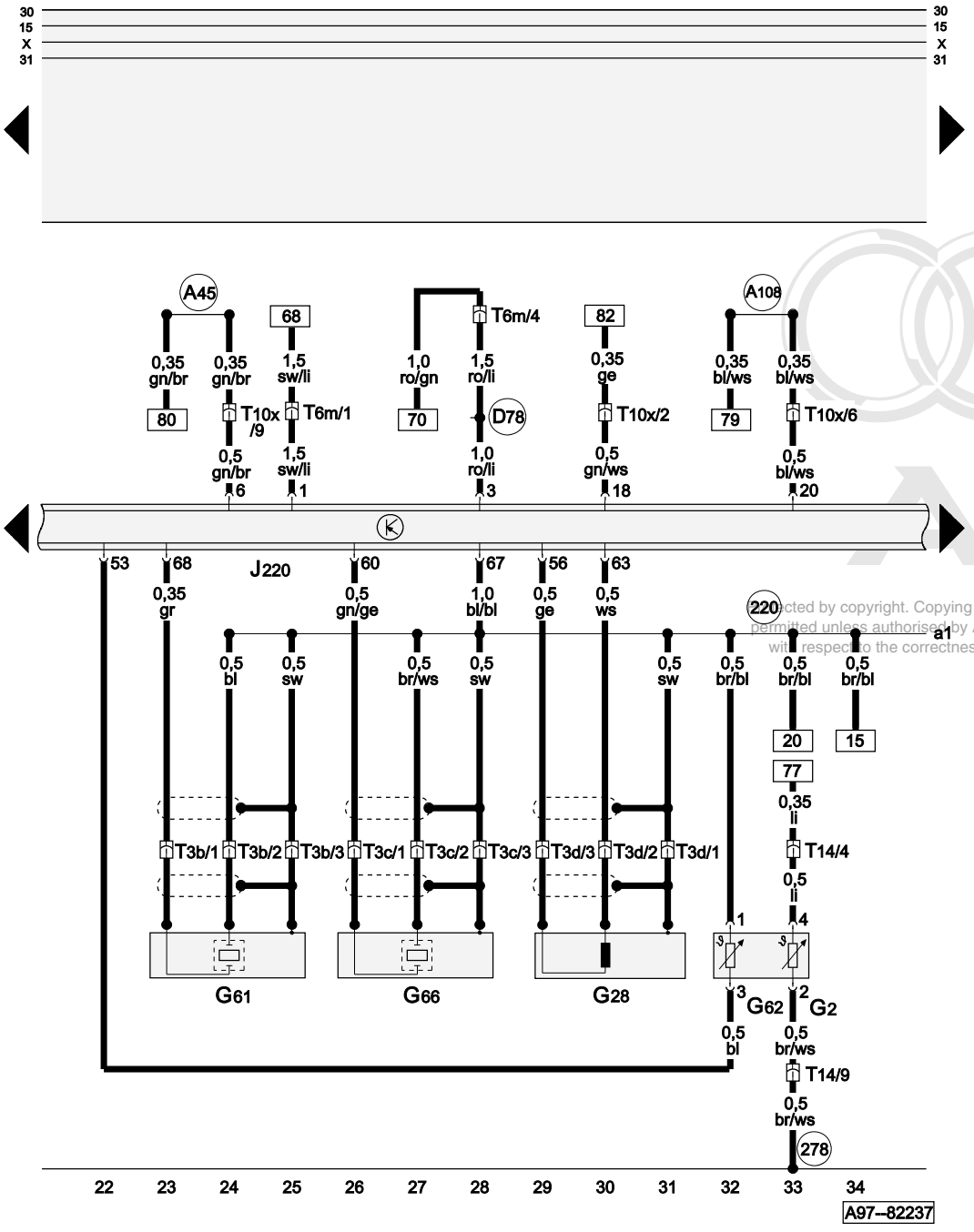


Motronic control unit, fuel pump relay, injectors, Hall sender, altitude sender

D	Ignition/starter switch
E3	Hazard warning light switch
F88	Power assisted steering pressure switch
F96	Altitude sender
G40	Hall sender
J17	Fuel pump relay
J220	Motronic control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
A2	Positive (+) connection (15), 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

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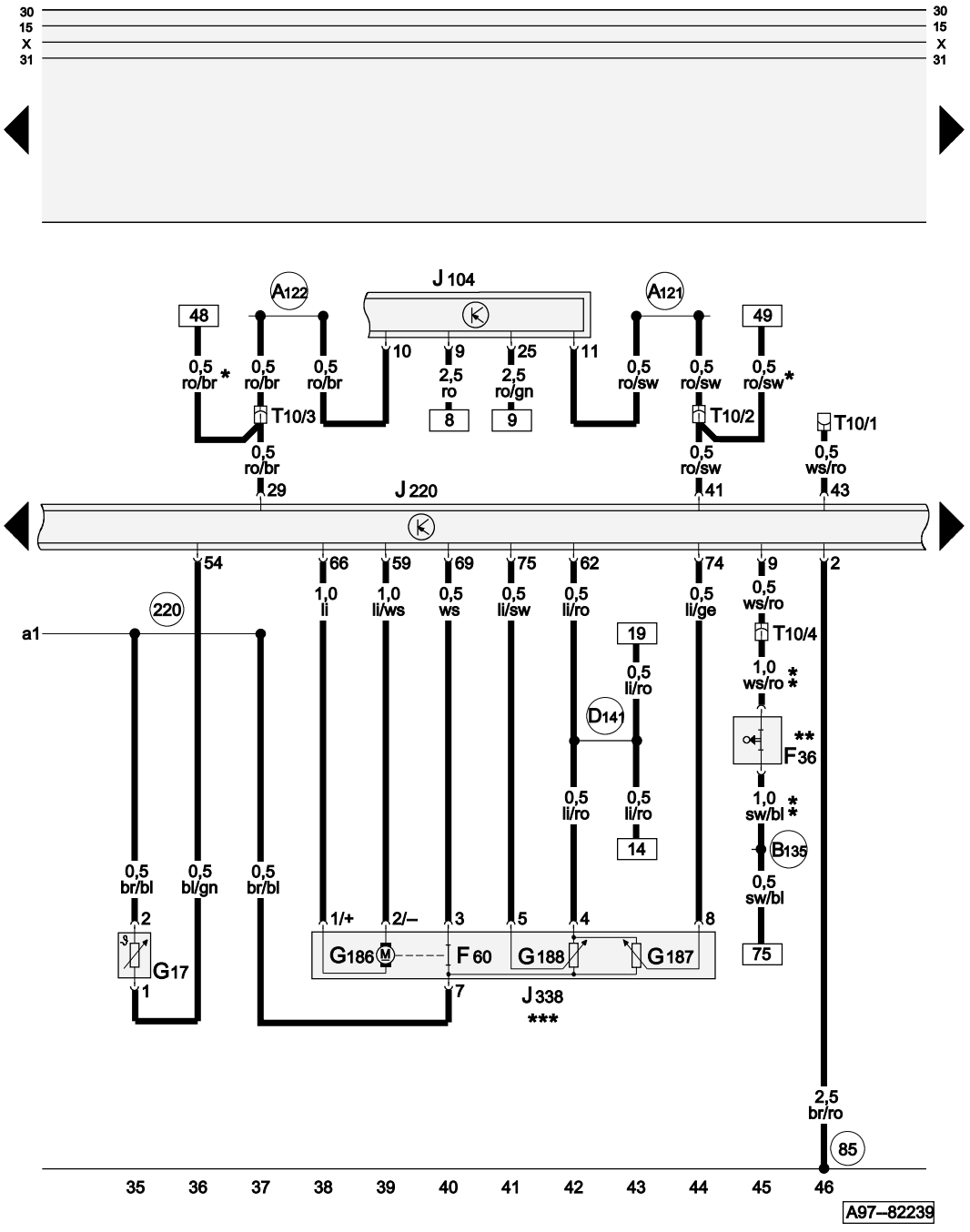


Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

G2	Coolant temperature sender
G28	Engine speed sender
G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J220	Motronic control unit
T3b	3-pin connector, black, in engine compartment
T3c	3-pin connector, brown, in engine compartment
T3d	3-pin connector, grey, in engine compartment
T6m	6-pin connector, brown, 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
278	Earth connection -4-, in interior wiring harness
A45	Connection (engine speed signal), in dash panel wiring harness
A108	Connection (speed signal), in dash panel wiring harness
D78	Positive (+) connection -1- (30a), in engine compartment wiring harness

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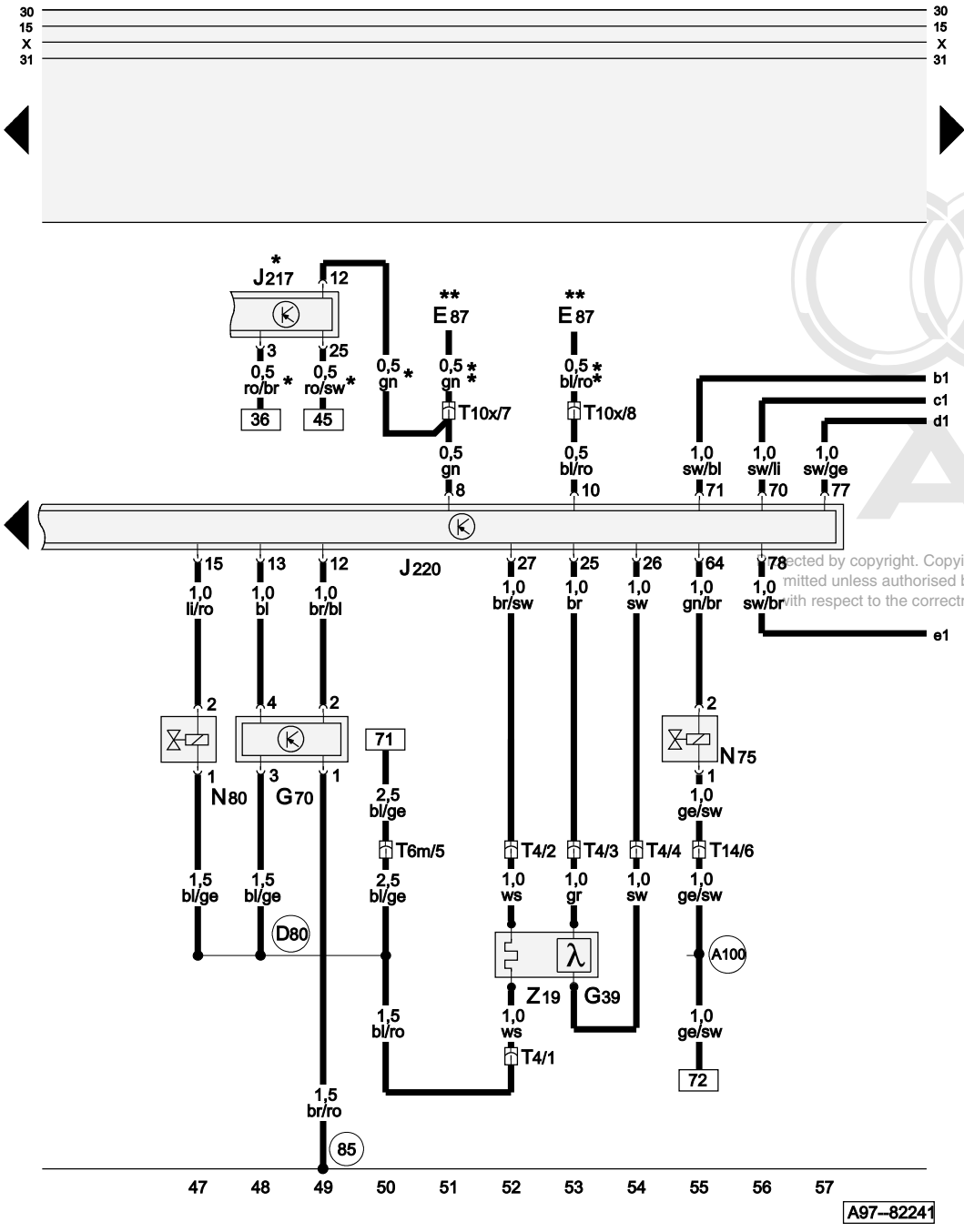


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Motronic control unit, throttle valve control unit, ambient temperature sensor

F36	Clutch pedal switch
F60	Idling switch
G42	Intake air temperature sender
G186	Throttle valve drive
G187	Throttle valve drive angle sender -1-
G188	Throttle valve drive angle sender -2-
J104	ABS with EDL control unit
J220	Motronic control unit
J338	Throttle valve control unit
T10	10-pin connector, white, in plenum chamber
85	Earth connection -1-, in engine compartment wiring harness
220	Earth connection (sender earth), in engine wiring harness
A121	Connection (high bus), in dash panel wiring harness
A122	Connection (low bus), in dash panel wiring harness
B135	Connection -1- (15a), in interior wiring harness
D141	Connection (5V), in engine prewiring wiring harness
*	Only models with automatic gearbox
**	Only models with manual gearbox
***	Wiring of connections on models without cruise control system Wiring of connections on models with cruise control system, see applicable Current Flow Diagram: Cruise control system
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/p.png" content-width="20pt" scaling="uniform"/>	CAN bus (data wire)

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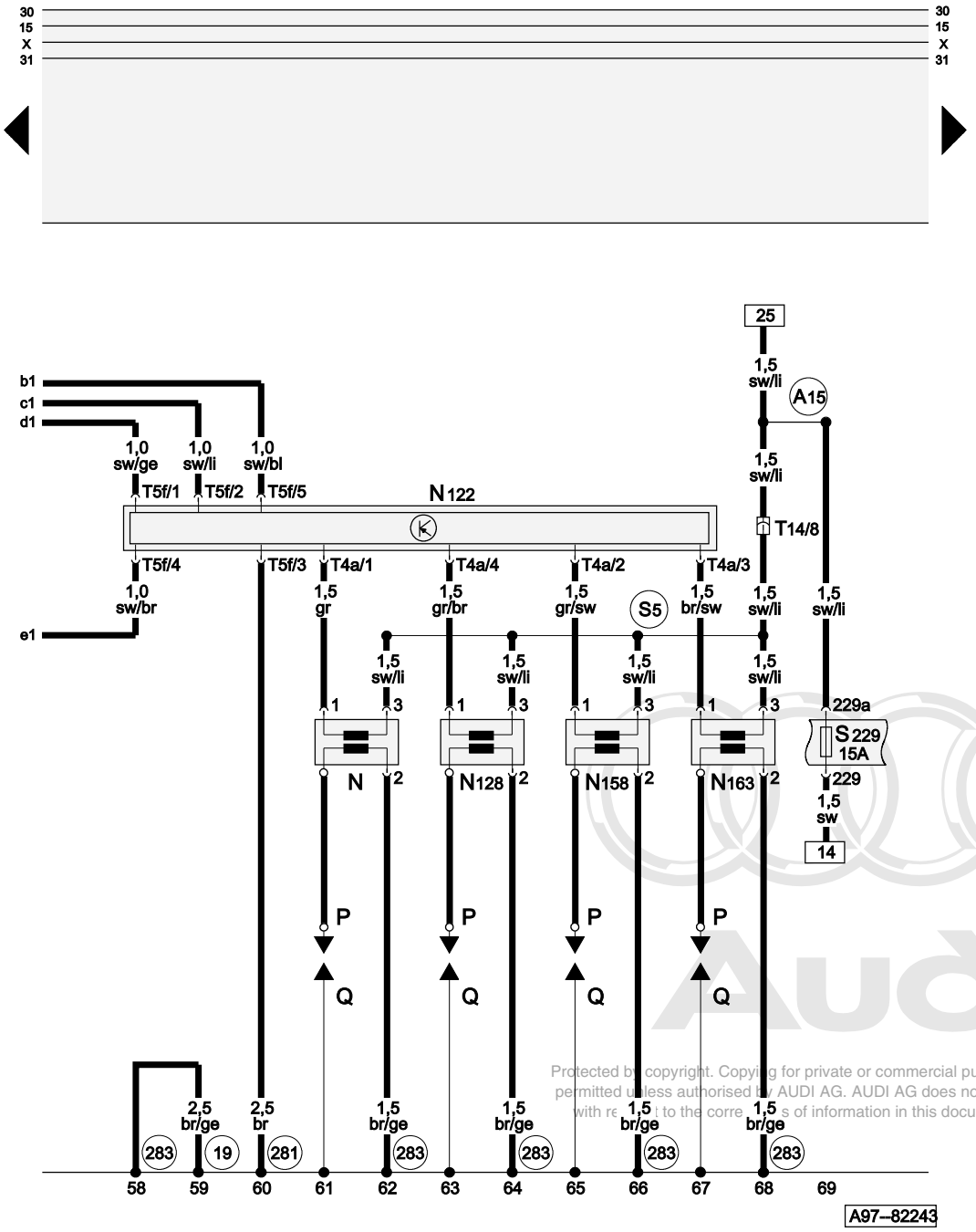


Motronic control unit, lambda probe, air mass meter, charge pressure control solenoid valve, activated charcoal filter system solenoid valve

E87	Control and display unit for air conditioner
G39	Lambda probe
G70	Air mass meter
J217	Automatic gearbox control unit
J220	Motronic control unit
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
T4	4-pin connector, in engine compartment, right
T6m	6-pin connector, brown, in plenum chamber
T10x	10-pin connector, orange, in plenum chamber
T14	14-pin connector, in engine compartment, left
Z19	Lambda probe heater
85	Earth connection -1-, in engine compartment wiring harness
A100	Connection -2- (87), in dash panel wiring harness
D80	Positive (+) connection (87a), in engine compartment wiring harness
*	Only models with automatic gearbox
**	Only models with air conditioner

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rs	=	pink

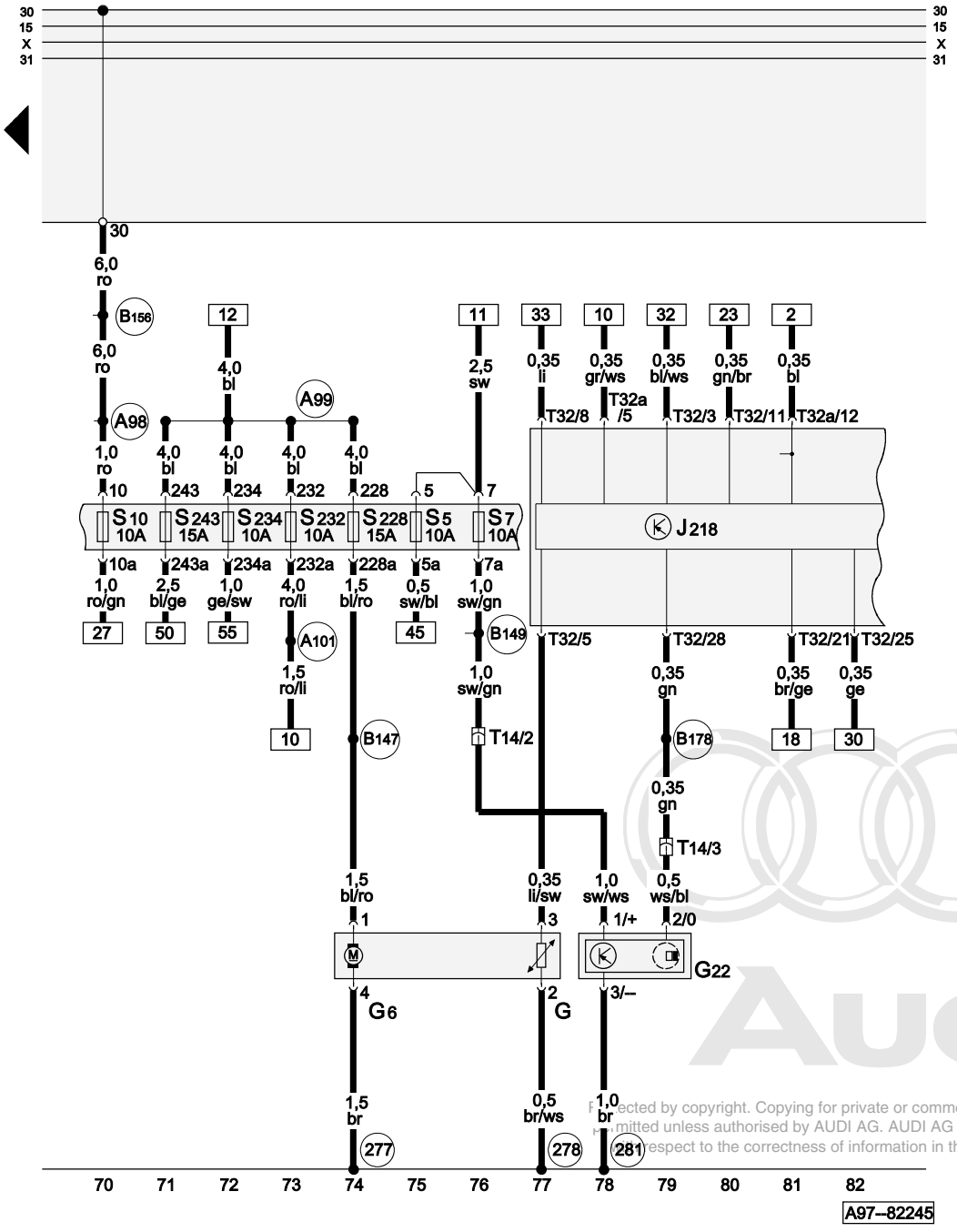


Ignition system

N	Ignition coil 1
N122	Final output stage
N128	Ignition coil 2
N158	Ignition coil 3
N163	Ignition coil 4
P	Spark plug connector
Q	Spark plugs
T4a	4-pin connector, in engine compartment
T5f	5-pin connector, in engine compartment
T14	14-pin connector, in engine compartment, left
19	Earth point, near coil
281	Earth connection -1-, in engine prewiring wiring harness
283	Earth connection -2-, in engine prewiring wiring harness
A15	Positive (+) connection (15), in dash panel wiring harness
D106	Connection -4-, in engine compartment wiring harness

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Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

G	Fuel gauge sender
G6	Fuel pump
G22	Speedometer sender (Hall sender, on gearbox)
J218	Combi-processor in dash panel insert
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
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
A98	Positive (+) connection -4- (30a), 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
B156	Positive (+) connection -4- (30a), in interior wiring harness
B178	Connection (speed signal), in interior wiring harness

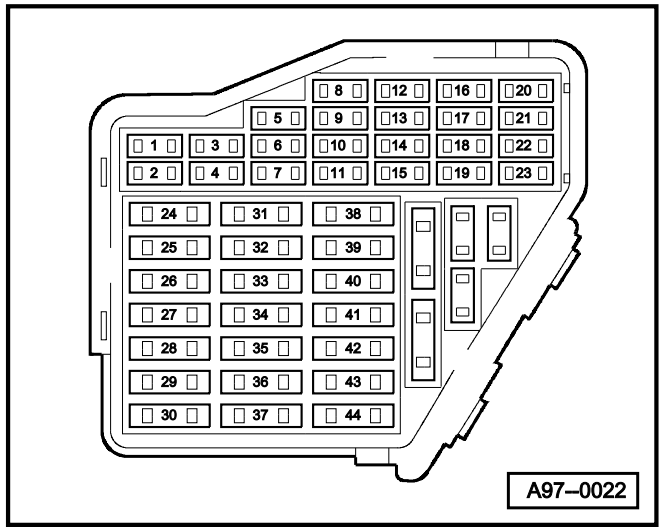
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Electric seat adjustment / seat heating for Recaro sport seats

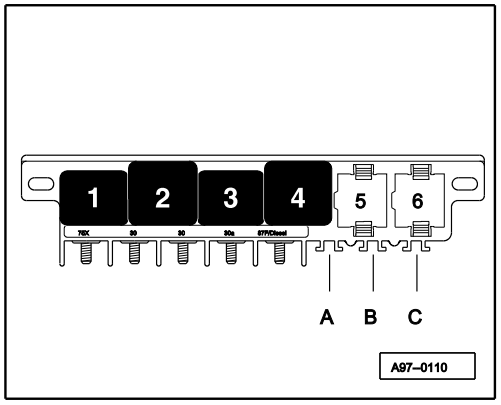
From model year 2000

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:

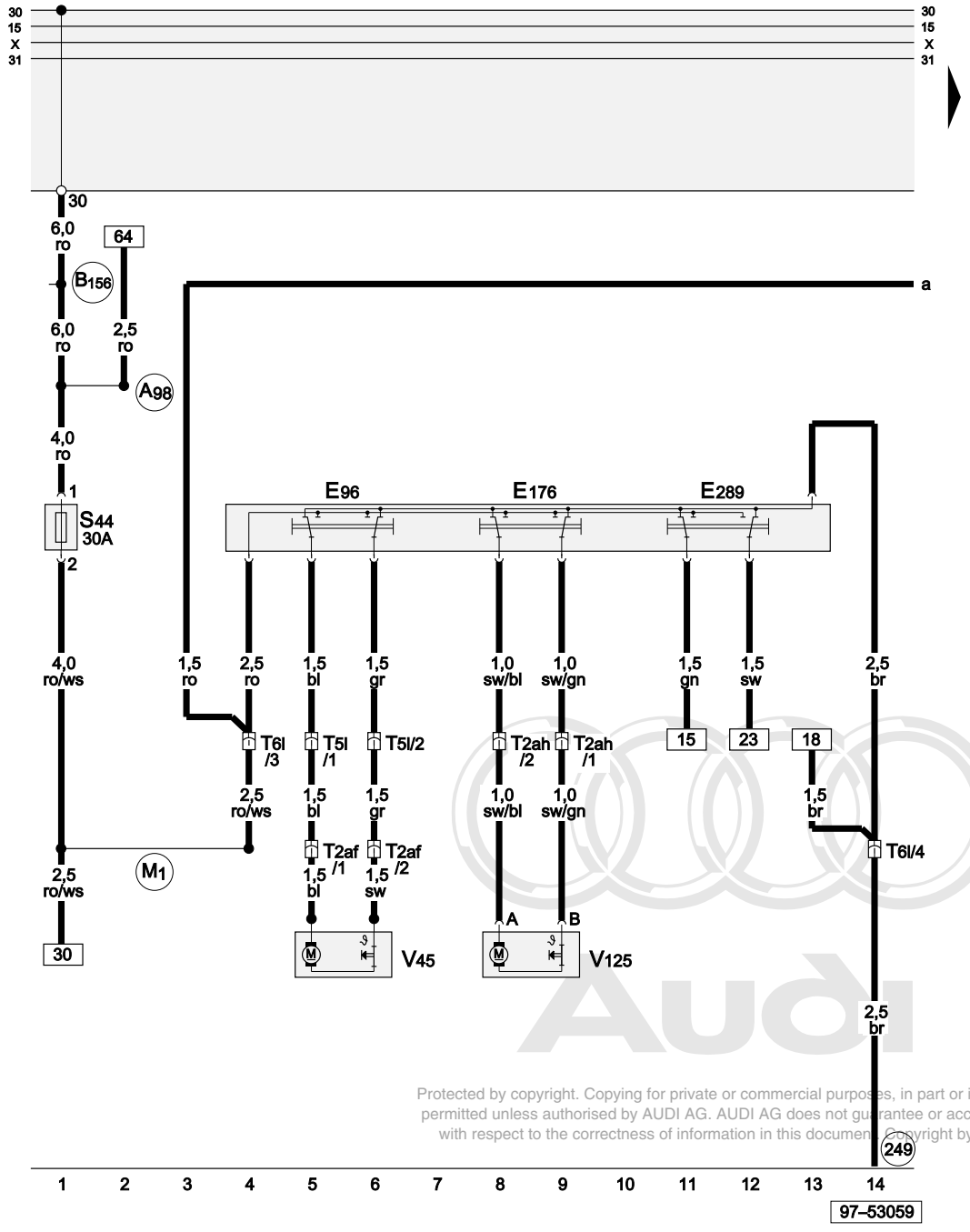
A - Seat adjustment single fuse

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Fuse colours:

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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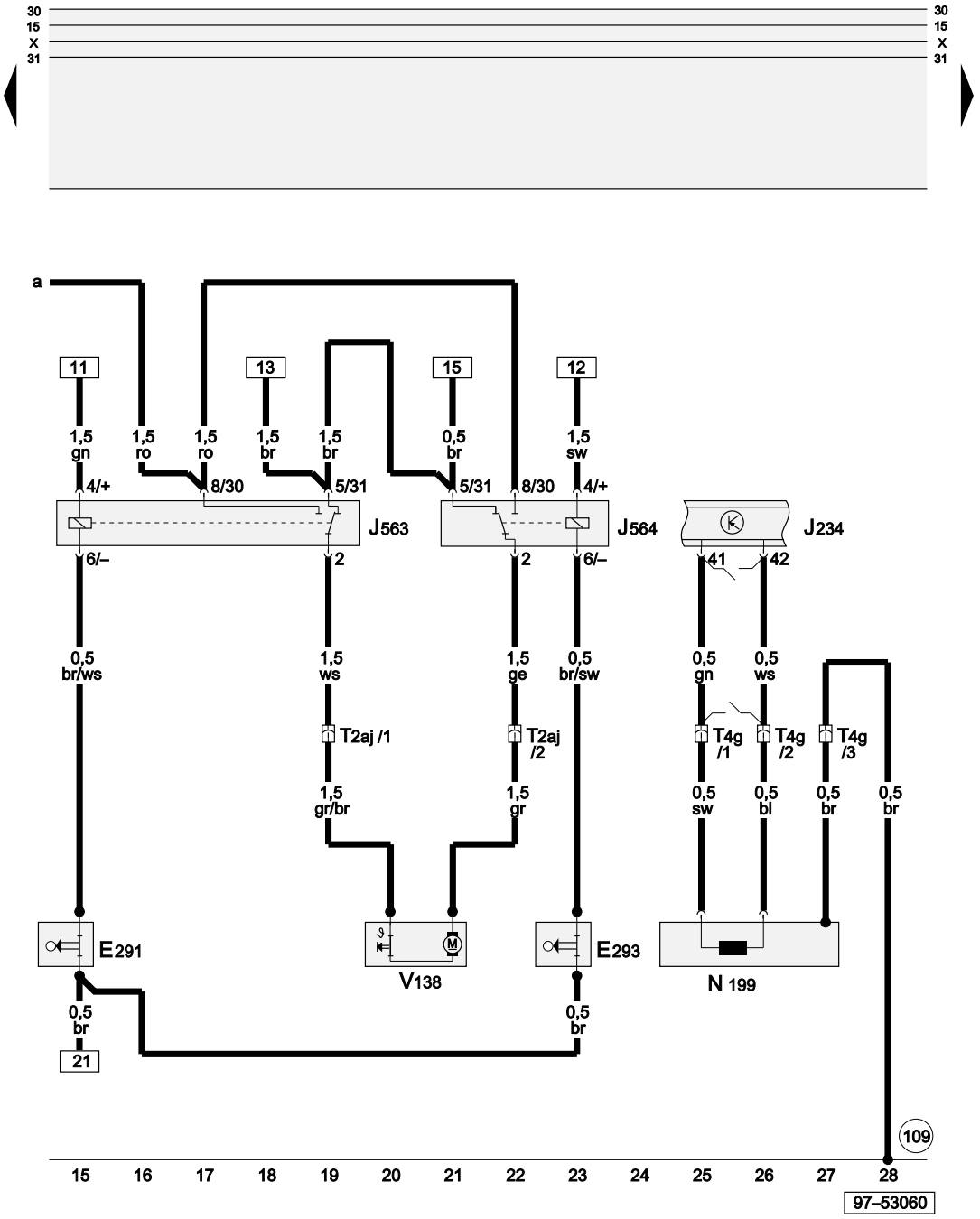


Backrest adjustment and lumbar support adjustment for driver's seat

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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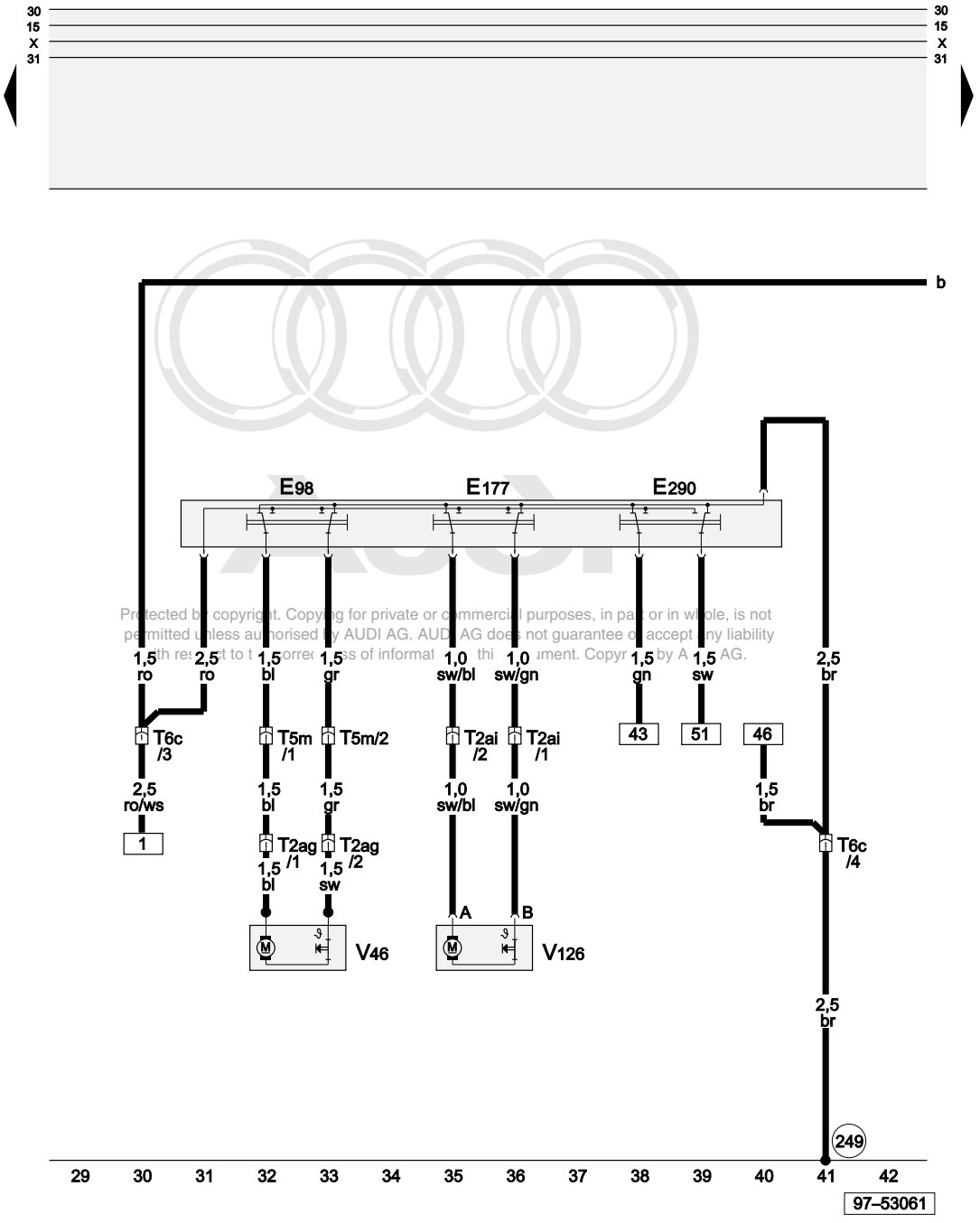


Height adjustment for driver's seat, side airbag

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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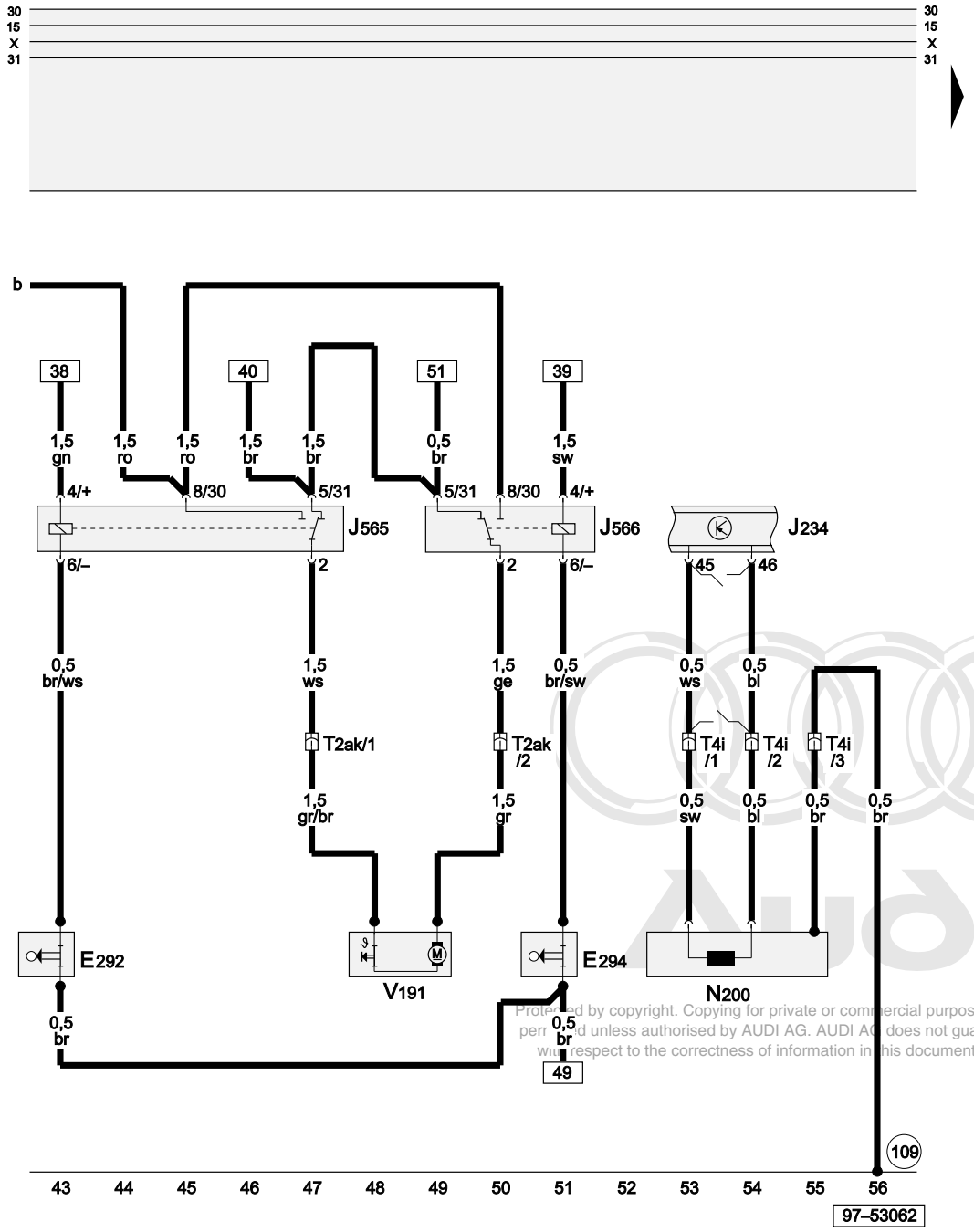


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Backrest adjustment and lumbar support adjustment for front passenger's seat

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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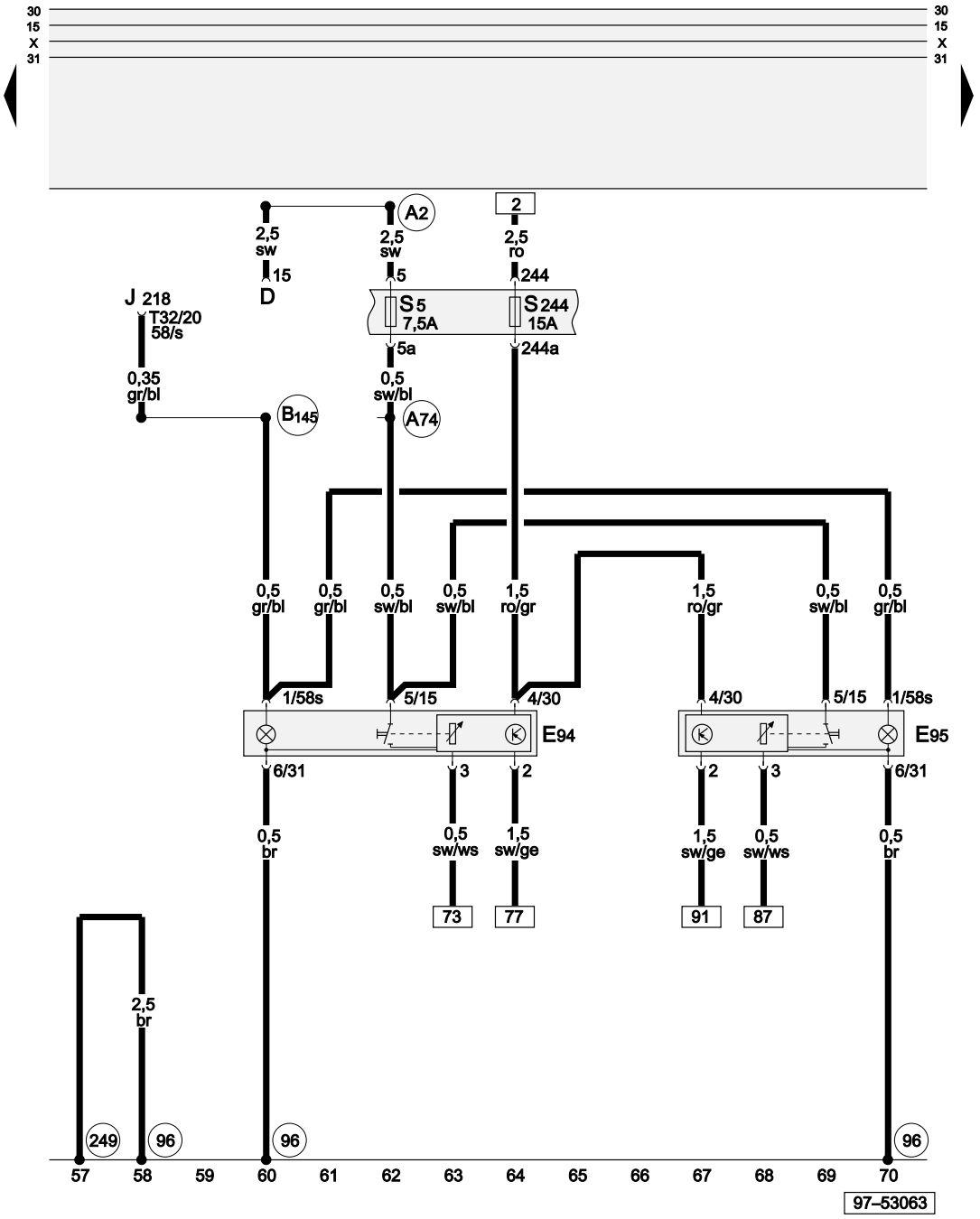


Height adjustment for front passenger's seat, side airbag

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

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rs	=	pink

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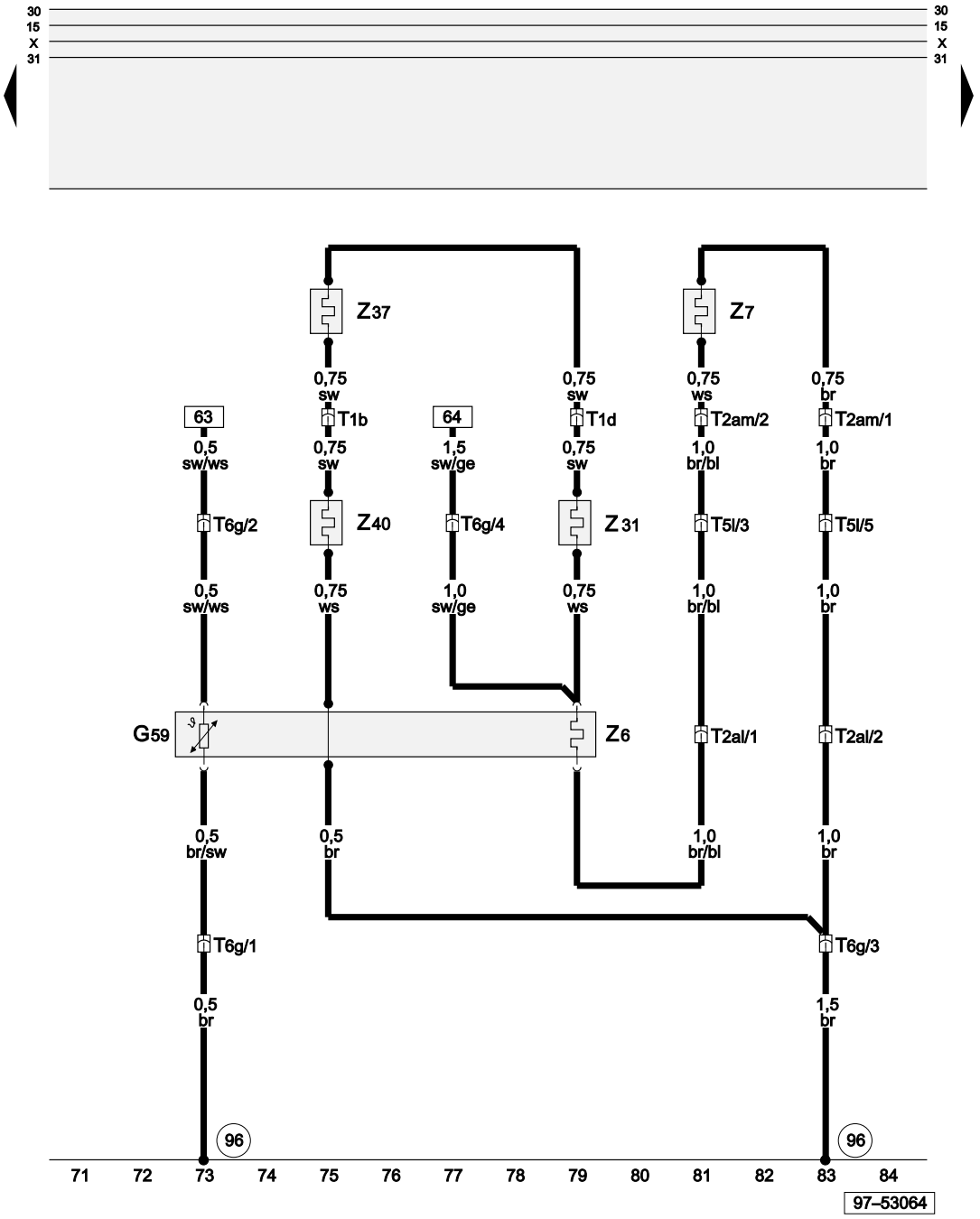


Adjuster for heated driver's seat and front passenger's seat

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	Fuses 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
A74	Connection (15a, fuse 5), 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

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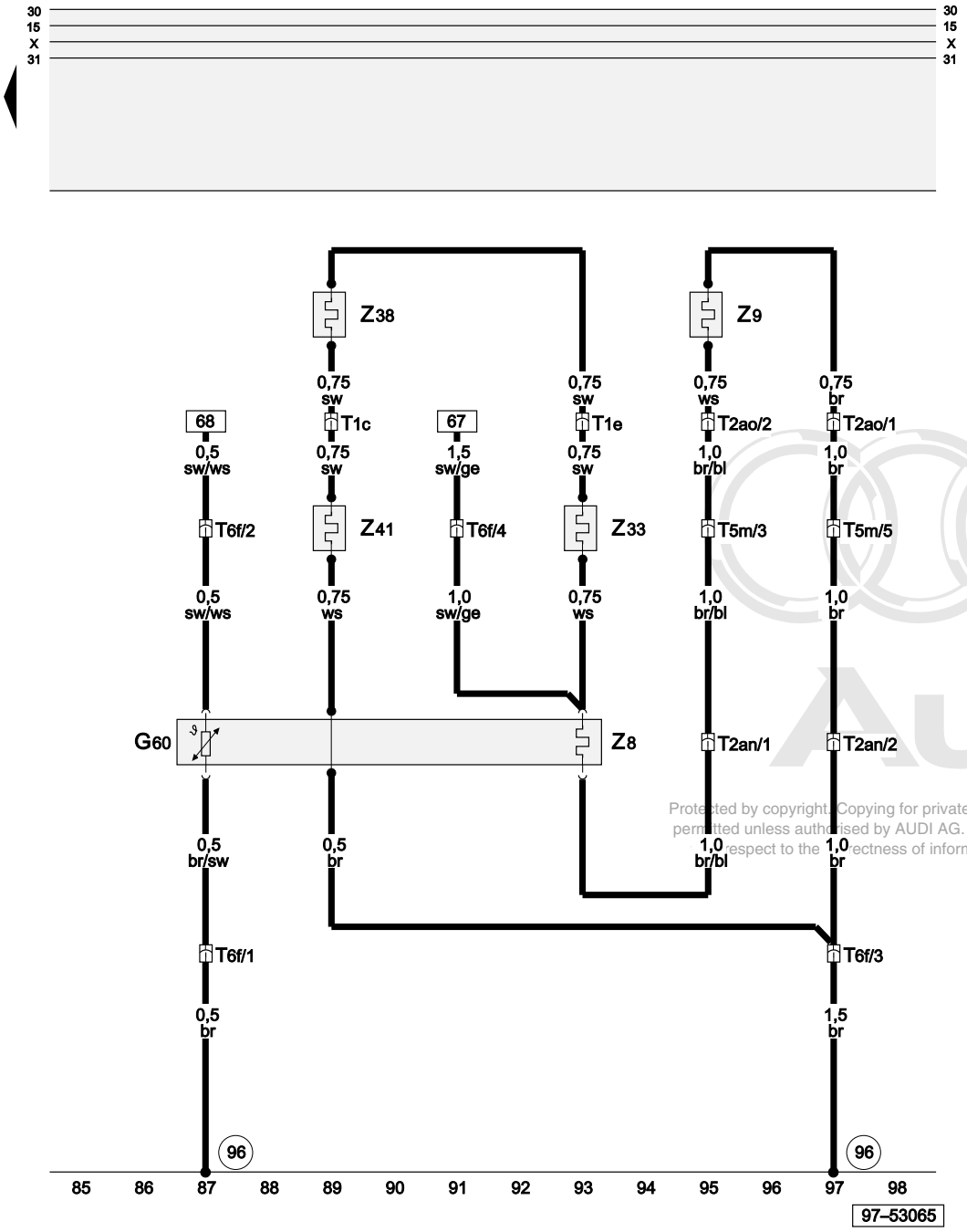


Seat heating for driver's seat

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
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ro	=	red
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gn	=	green
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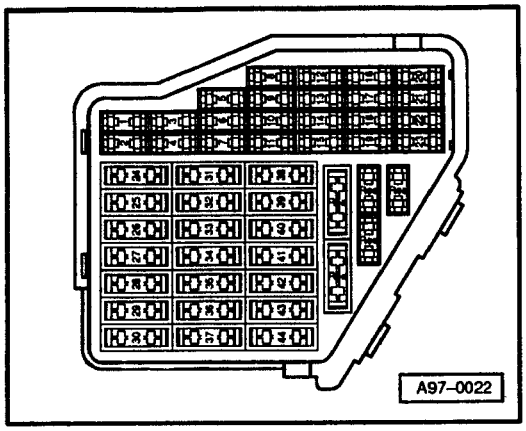
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Fitting Locations 1997 Model Year

Contents:

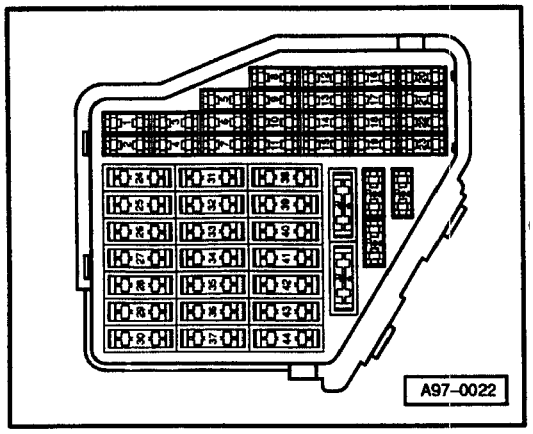
Position of fuses in fuse box	No. 1/1
Position of fuses in fuse box	No. 1/2
13-point relay carrier	No. 1/3
Micro-central electrics	No. 1/3
Main fuse box/battery	No. 1/4

Position of fuses in fuse box



1 - Heated washer jets, heated mirrors
2 - Turn signals
3 - Lighting
4 - Number plate lights
5 - Convenience equipment, electric mirror adjustment
6 - Central locking system - internal locking switch
7 - Reversing lights
8 - Telephone (D network)
9 - Anti-lock brake system
10 - Engine management (petrol engines)
11 - Instrument cluster, alternator warning lamp, selector lever lock
12 - Voltage supply - diagnosis
13 - Brake lights
14 - Interior lighting
15 - Instrument cluster, automatic gearbox
16 - Radiator fan control unit
17 - Heated lock cylinders
18 - Main beam headlight, right
19 - Main beam headlight, left
20 - Dipped beam headlight, right
21 - Dipped beam headlight, left

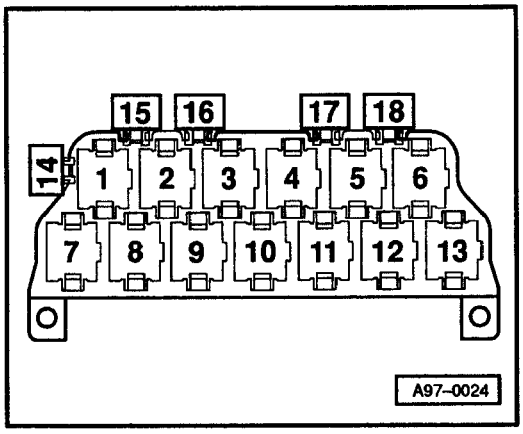
Position of fuses in fuse box



22 - Tail and side lights, right
23 - Tail and side lights, left
24 - Windscreen washer/wiper system
25 - Fresh air blower, air conditioner
26 - Heated rear window
27 - Rear window wiper and washer
28 - Fuel pump
29 - Engine management (petrol/diesel engines)
30 - Sliding roof
31 - Automatic gearbox
32 - Injectors
33 - Headlight washer system
34 - Crankcase heating
35 - Trailer socket
36 - Front fog lights and rear fog light
37 - S-contact (terminal 86)
38 - Luggage compartment light, central locking system
39 - Hazard warning lights
40 - Horn
41 - Cigarette lighter
42 - Radio
43 - Engine management (petrol/diesel engines)
44 - Seat heating

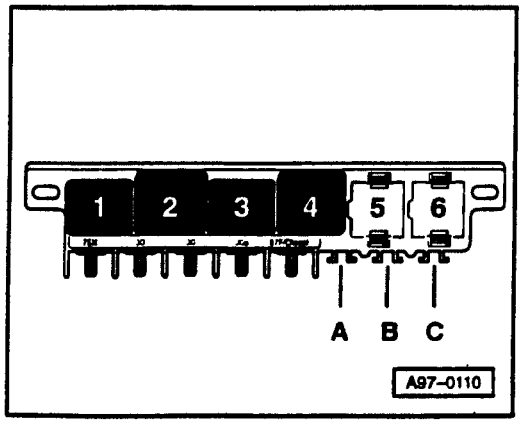
Note: For fuse ratings refer to applicable Current Flow Diagram.

13-point relay carrier



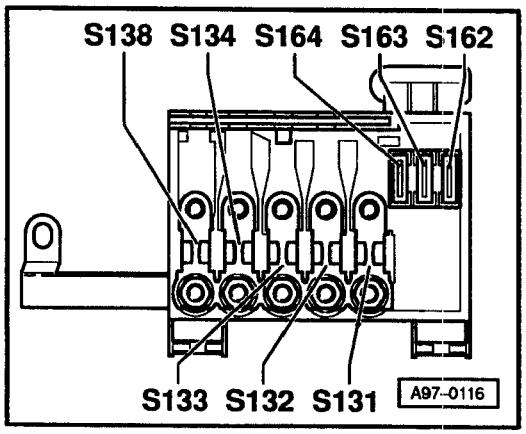
1 - Horn relay
2 - Bulb monitoring device, rear
3 - Bulb monitoring device, rear
4 - Control unit for mirror retraction
5 - Control unit for mirror retraction
6 - Telephone splitter relay
7 - Vacant
8 - Vacant
9 - Vacant
10 - Vacant
11 - Starter inhibitor and reversing light relay
12 - Headlight washer system relay
13 - Relay for air conditioner and radiator fan run-on

Micro-central electrics



1 - Dual tone horn relay
2 - Relief relay for X contact
3 - Intermittent wash/wipe relay
4 - Fuel pump relay/glow plug relay
5 - Diesel direct injection system relay
6 - Fog light relay
A - Electric seat adjustment
B - Vacant
C - Fuse for electric window lifters

Main fuse box/battery



S131 - Fuse for heater elements
S132 - Fuse for engine management
S133 - Fuse for radiator fan 2
S134 - Fuse for vehicle interior
S138 - Fuse for alternator

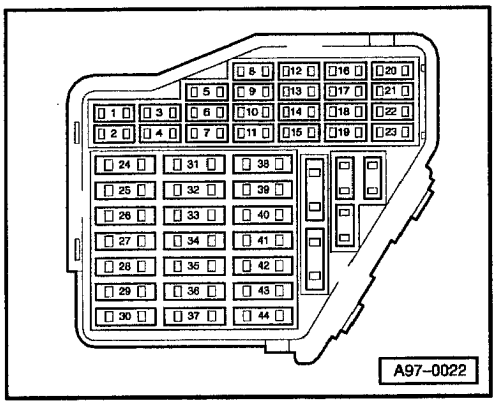
S162 - Fuse for ABS (pump)
S163 - Fuse for ABS (valves)
S164 - Fuse for radiator fan

Fitting Locations: 1998 Model Year

Contents:

Position of fuses in fuse box	No. 2/1
Position of fuses in fuse box	No. 2/2
13-point relay carrier	No. 2/3
Micro-central electrics	No. 2/3
Main fuse box/battery	No. 2/3

Position of fuses in fuse box:



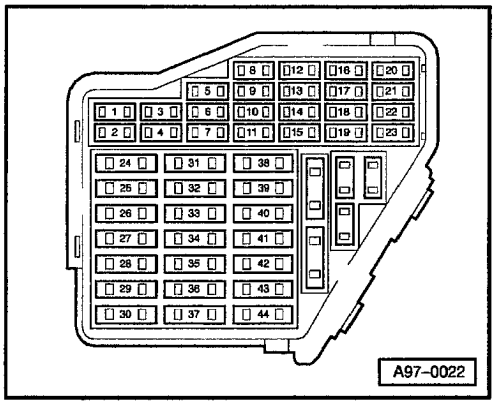
1 - Heated washer jets, heated mirrors
2 - Turn signals
3 - Lighting
4 - Number plate lights
5 - Convenience electric functions, electric mirror adjustment
6 - Central locking, internal locking switch
7 - Reversing lights
8 - Telephone (D network)
9 - Anti-lock brake system
10 - Engine management (petrol engines)
11 - Instrument cluster, warning lamp, alternator, selector lever lock
12 - Voltage supply - diagnosis
13 - Brake lights
14 - Interior lighting
15 - Instrument cluster, automatic gearbox
16 - Radiator fan control unit
17 - Heated lock cylinders
18 - Main beam headlight, right
19 - Main beam headlight, left
20 - Dipped beam headlight, right
21 - Dipped beam headlight, left

Fitting Locations: 1999 Model Year

Contents:

Position of fuses in fuse box	No. 3/1
Position of fuses in fuse box	No. 3/2
13-point relay carrier	No. 3/3
Micro-central electrics	No. 3/3
Main fuse box/battery	No. 3/3

Position of fuses in fuse box:



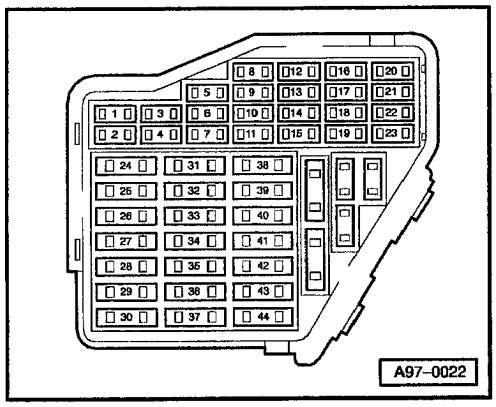
1 - Heated washer jets, heated mirrors
2 - Turn signals
3 - Lighting
4 - Number plate lights
5 - Convenience electric functions, electric mirror adjustment
6 - Central locking, internal locking switch
7 - Reversing lights
8 - Telephone (D network)
9 - Anti-lock brake system
10 - Engine management (petrol engines)
11 - Instrument cluster, warning lamp, alternator, selector lever lock
12 - Voltage supply - diagnosis
13 - Brake lights
14 - Interior lighting
15 - Instrument cluster, automatic gearbox
16 - Radiator fan control unit
17 - Heated lock cylinders
18 - Main beam headlight, right
19 - Main beam headlight, left
20 - Dipped beam headlight, right
21 - Dipped beam headlight, left

Fitting Locations: Model Year 2000

Contents:

Position of fuses in fuse box	No. 4/1
Position of fuses in fuse box	No. 4/2
13-point relay carrier	No. 4/3
Micro-central electrics	No. 4/3
Main fuse box/battery	No. 4/3

Position of fuses in fuse box:



1 - Heated washer jets, heated mirrors
2 - Turn signals
3 - Lighting
4 - Number plate lights
5 - Convenience electric functions, electric mirror adjustment
6 - Central locking, internal locking switch
7 - Reversing lights
8 - Telephone (D network)
9 - Anti-lock brake system
10 - Engine management (petrol engines)
11 - Instrument cluster, warning lamp, alternator, selector lever lock
12 - Voltage supply - diagnosis
13 - Brake lights
14 - Interior lighting
15 - Instrument cluster, automatic gearbox
16 - Radiator fan control unit
17 - Heated lock cylinders
18 - Main beam headlight, right
19 - Main beam headlight, left
20 - Dipped beam headlight, right
21 - Dipped beam headlight, left

Checking speed signal

The speed signal from speedometer sender (G22) is prepared by speedometer (G21) and distributed to the following systems:

- Cruise control system
- Radio
- Engine management
- Selector lever lock (for automatic gearbox)
- Differential lock control
- Automatic gearbox
- Air conditioning system
- Auto-check system
- On-board computer

The on-board computer and the auto-check system are connected to the speed signal internally in the dash panel insert. All other speed signal dependant systems are connected in parallel to the two speed signal outputs on the dash panel insert.

If, for example, there is a short circuit in the cruise control system control unit (J213), the speed signal from speedometer (G21) will be suppressed.

This will cause all the remaining systems, e.g. idling speed stabilisation, radio GALA function, on-board computer, etc., to fail.

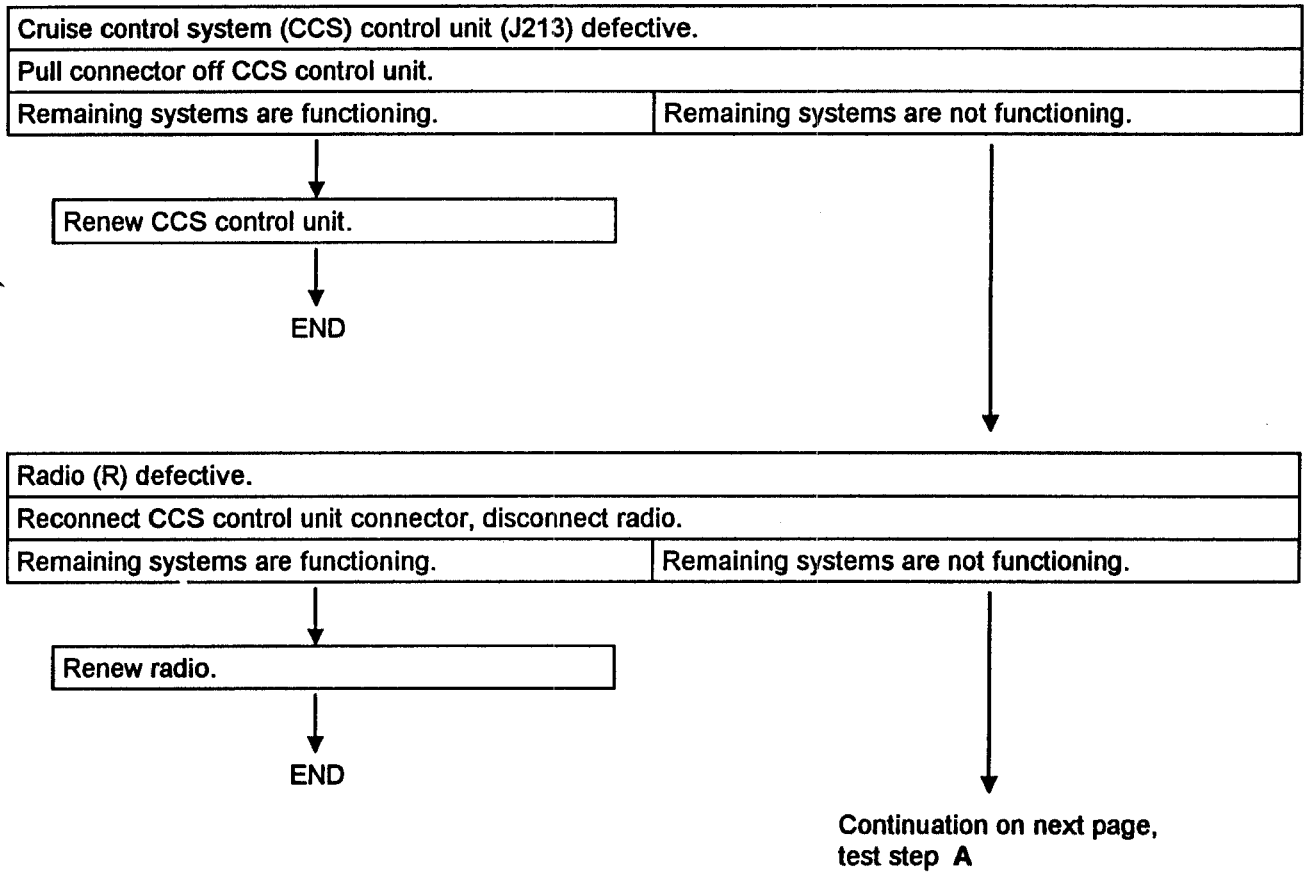
A safety circuit in the speedometer (G21) will allow the speedometer to continue to function.

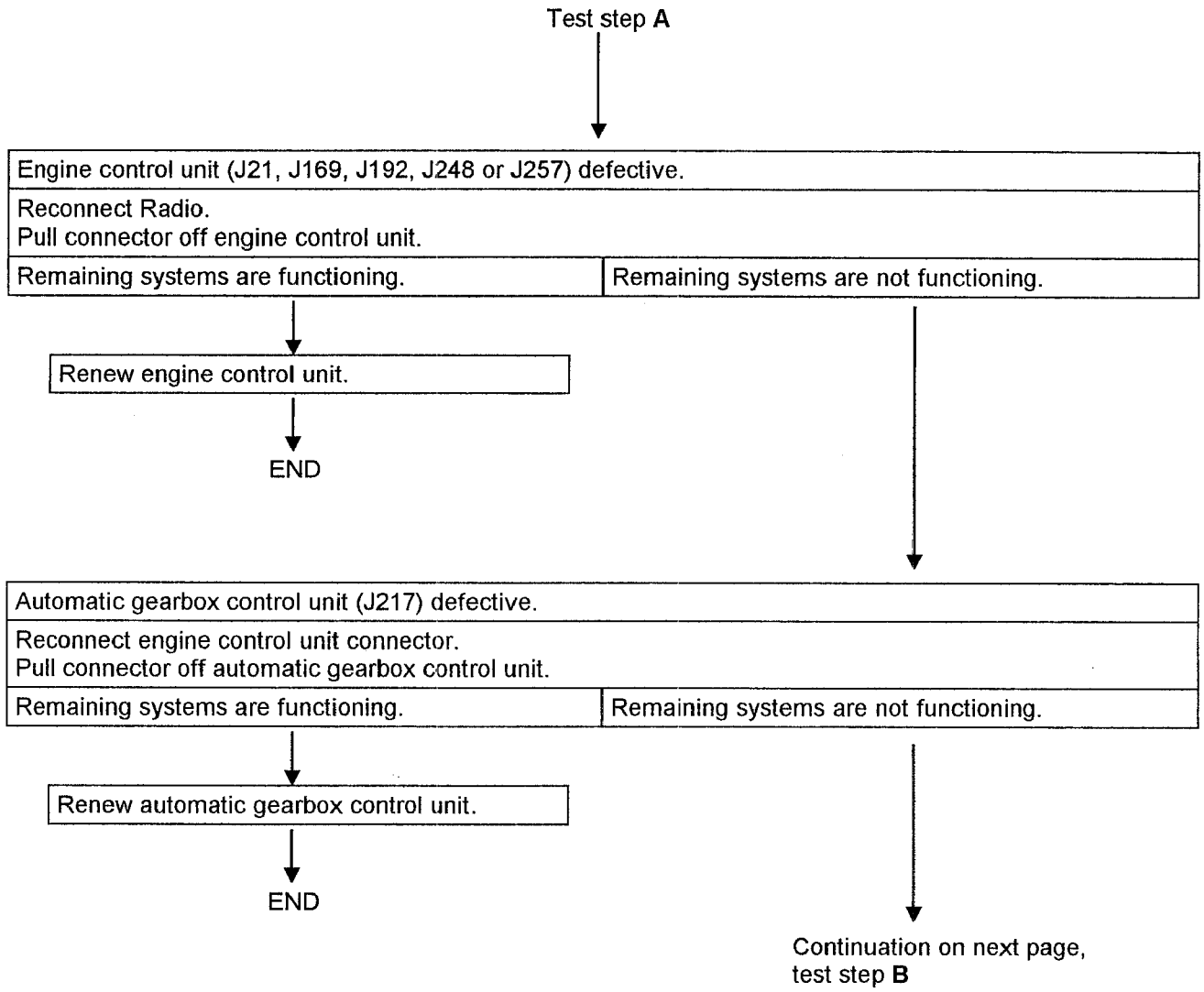
Note:

Checking the speedometer sender (G22) on the gearbox is described in Workshop Manual, Booklet Electrical system.

It is not possible to measure the speed signal with workshop equipment, therefore the cause of the fault must be determined as follows.

Note:
Skip relevant checks in following programme if the individual systems are not fitted to the vehicle




Test step A
Engine control unit (J21, J169, J192, J248 or J257) defective.
Reconnect Radio.
Pull connector off engine control unit.
Remaining systems are functioning.
Remaining systems are not functioning.
Renew engine control unit.
END
Automatic gearbox control unit (J217) defective.
Reconnect engine control unit connector.
Pull connector off automatic gearbox control unit.
Remaining systems are functioning.
Remaining systems are not functioning.
Renew automatic gearbox control unit.
END
Continuation on next page,
test step B

Test step **B**

Selector lever lock control unit (J221) defective.	
Reconnect automatic gearbox control unit connector. Pull connector off selector lever lock control unit.	
Remaining systems are functioning.	Remaining systems are not functioning.

Renew selector lever lock control unit.

END

Differential lock control unit (J187) defective.	
Reconnect selector lever lock control unit connector. Pull connector off differential lock control unit.	
Remaining systems are functioning.	Remaining systems are not functioning.

Renew differential lock control unit.

END

Continuation on next page,
test step **C**

Test step C

Servotronic control unit (J236) defective.	
Reconnect differential lock control unit connector. Pull connector off servotronic control unit.	
Remaining systems are functioning.	Remaining systems are not functioning.

Renew servotronic control unit.

END

Air conditioning system operating and display unit (E87) defective.	
Reconnect servotronic control unit connector. Pull connector off operating and display unit.	
Remaining systems are functioning.	Remaining systems are not functioning.

Renew operating and display unit.

END

Auto-check system or on-board computer defective.
See auto-check system and on-board computer fault finding programmes.

END

Note:

If, after systematically disconnecting the individual systems, a fault cannot be located in the speed signal dependant systems then the fault lies in the wiring. Eliminate short circuit or short to earth using current flow diagram.

Fault finding on electric headlight range control

Headlight range control system principles:

The headlight range control system is operative only when the ignition is switched on and the headlights are switched to dipped beam setting.

The headlight range control unit (E102) adjuster positions equate approximately to the following vehicle loads:

0 – Vehicle with maximum two adults (each weighing 75 kg) with luggage compartment empty.

I – Vehicle passenger compartment full and luggage compartment empty.

II – Vehicle passenger compartment full and luggage compartment loaded to maximum rear axle loading.

III – Driver only and luggage compartment loaded to maximum rear axle loading.

Note:

Intermediate positions can also be selected.

Headlight range control unit components:

- Headlight range control adjuster (E102)
- Control motors (V48, V49)

Warning!

Adjusting the headlights (only possible with adjustment unit - see label on right-hand side of lock carrier for inclination dimensions) must be carried out with adjuster (E102) in basic setting -0-. Note Special information No. 8, Maintenance.

Further information, for example removing and installing the individual components, is described in Workshop Manual, Electrical systems.

Fault finding table

Prerequisites:

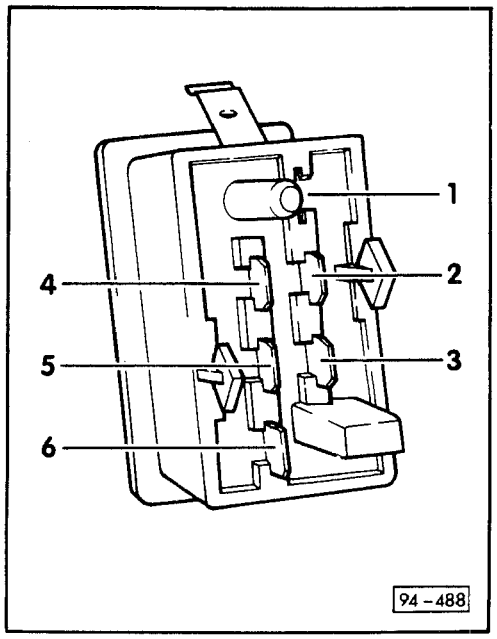
- Fuses according to Current Flow Diagram OK.
- Lighting system OK.
- Use hand multimeter V.A.G 1526 A and auxiliary test set V.A.G 1594 A for checks.
- When fault finding always use relevant Current Flow Diagram.

Fault	Possible cause	Eliminating fault
Headlight range control does not function on both sides	Wiring open circuit	Check for wiring open circuit using Current Flow Diagram and, if necessary, eliminate.
	Headlight range control adjuster (E102) defective	Check headlight range control adjuster (E102) – Page 2/2. Check supply voltage for headlight range control adjuster (E102) – Page 2/2.
	Control motors (V48, V49) defective	Check adjuster output voltage – Page 2/3. Renew control motors (V48 and V49).
Left headlight range control will not regulate	Wiring open circuit	Check for wiring open circuit using Current Flow Diagram and, if necessary, eliminate.
	Left control motor (V48) defective	Check adjuster output voltage – Page 2/3. Renew control motor (V48).
Right headlight range control will not regulate	Wiring open circuit	Check for wiring open circuit using Current Flow Diagram and, if necessary, eliminate.
	Right control motor (V49) defective	Check adjuster output voltage – Page 2/3. Renew control motor (V49).

Note:

If no electrical fault is present and the headlight range control will still not function, it is possible that the fault is a mechanical fault in the headlight (pivot bearing, rods detached or deformed).

Dismantling and assembling headlight ⇒ Workshop Manual, Electrical system.



Checking headlight range control adjuster (E102).

- Lever out adjuster (E102) from switch trim using a screwdriver and pull off connector.
- Set hand multimeter V.A.G 1526 A to measuring range (2 kOhm) and connect between headlight control adjuster contacts 3 and 4.
- Turn adjuster to the following positions one after the other:

  Position -0-:

  Specification 720 ... 740 Ω

  Position -I-:

  Specification 960 ... 980 Ω

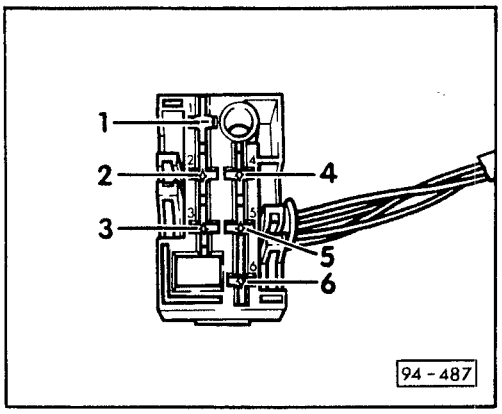
  Position -II-:

  Specification 1150 ... 1170 Ω

  Position -III-:

  Specification 1550 ... 1570 Ω

If one of the specifications is **not** achieved, renew headlight range control adjuster (E102).



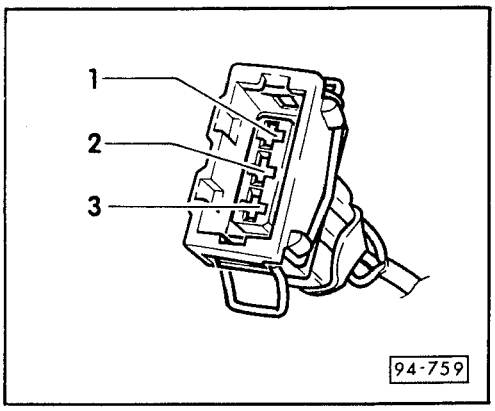
Checking supply voltage at connector for headlight range control adjuster (E102).

- Switch on ignition.
- Switch on dipped beam.
- Set hand multimeter V.A.G 1526 A to measuring range 20 V and connect between connector contacts 3 and 4 and between 3 and 6 one after the other.

  Specification: each approx. 12 volt.

If specifications are achieved, reconnect adjuster connector and check output voltage at control motor connectors – Page 2/3.

If one of the specifications is **not** achieved, check for open circuit using Current Flow Diagram and, if necessary, eliminate.



Checking output voltage at connectors for control motor.

Prerequisites:

- Headlight range control adjuster (E102) OK and connected.
- Pull off control motor connector.
- Switch on ignition.
- Switch on dipped beam.
- Set hand multimeter V.A.G 1526 A to measuring range 20 V and connect between connector contacts 1 and 3.

Note:

Perform checks on left and right connectors.

Specification: each approx. 12 volt.

If specifications are achieved, set headlight range adjuster (E102) to position -I-.

- Set hand multimeter V.A.G 1526 A to measuring range 20 V and connect between connector contacts 1 and 2.

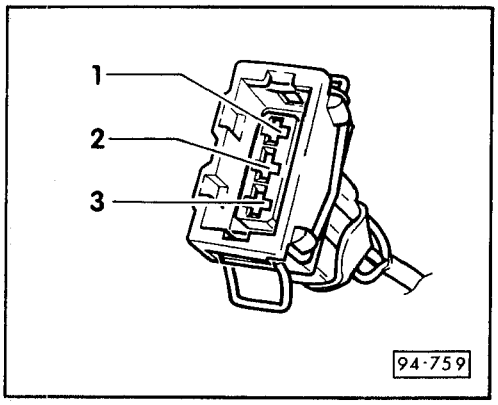
Note:

Perform checks on left and right connectors.

Specification: each approx. 1.5 volt.

If specifications are **not** achieved, check for open circuit using Current Flow Diagram and, if necessary, eliminate.

END



If specifications are achieved, renew control motor and readjust basic headlight setting.

END

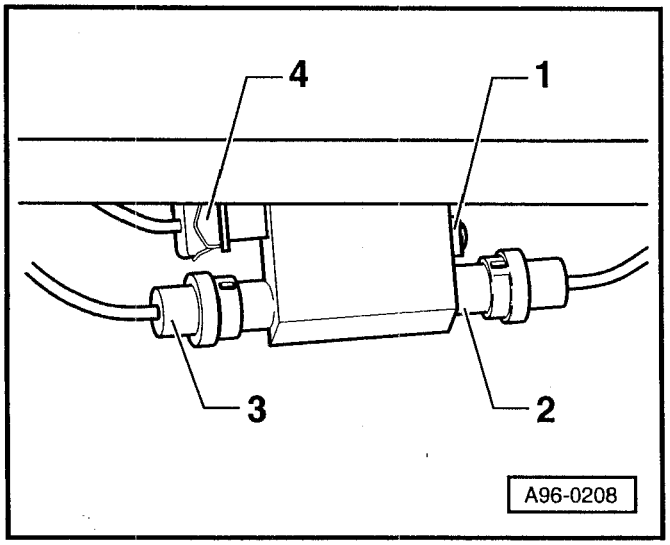
If one of the specifications is **not** achieved, check for open circuit using Current Flow Diagram and, if necessary, eliminate.

END

Heated lock cylinder does not work

Functional characteristics:

Pulling on the door handle once switches on the heater at ambient temperatures below +5°C. The period the heater operates is determined by the ambient temperature. At -4°C the period is 40 seconds and falls to 0 seconds at +5°C. Pulling on the door handle more than once will not extend the heating period.



1 – "Test"
2 – Current supply
3 – Heater element connector
4 – Microswitch connector

Note:
Removing and installing the individual components ⇒ Workshop Manual, General body repairs.

Prerequisites:

- Fuses according to Current Flow Diagram OK.
- Use hand multimeter V.A.G 1526 A and auxiliary test set V.A.G 1594 A for checks.

Test step	Item tested	Test conditions	Specification	Fault
1	Current supply terminal 30 (+) and terminal 31 (–)	Measure current supply at disconnected connector -2-	12 V	Wiring open circuit
2	Heater element (when cold)	Measure at disconnected control unit connector -3-	approx. 2.5 Ω	Heater element defective
3	Microswitch	Measure at disconnected control unit connector -4-	∞ Ω	Micro switch defective
		Operate door handle	0 Ω	Micro switch defective, Wiring open circuit
4	Control unit	Reconnect connectors -2- and -4- to control unit		
		Measure at control unit output -3- to heater element	0 V	
		Press "Test" -1- on control unit and operate door handle at same time	12 V	Control unit defective

Electrically adjustable and heated exterior mirror

Prerequisites:

- Battery OK.
- Fuses according to Current Flow Diagram OK.
- Mirror adjustment switch removed:
  - Remove door trim, unclip switch.
- Use hand multimeter V.A.G 1526 A and test adapter V.A.G 1598/13 and V.A.G 1598 for checks.

Note:

If specifications are not achieved, rectify open circuit using Current Flow Diagram or renew mirror.
Connector pin positions are the same as test adapter V.A.G 1598 socket assignment.

Test step	Item tested	Test conditions	Specification	Fault
1	Current supply at switch	Ignition on – Connect switch connector red terminal to socket 8 – Connect switch connector black terminal to socket 9	approx. 12V	Wiring open circuit
2	**Left** mirror switch functions	– Switch position, left Ignition on		
	– Upwards	– Red terminal to socket 2 – Black terminal to socket 3	approx. 12 V	Switch defective
	– Downwards	– Red terminal to socket 3 – Black terminal to socket 2	approx. 12 V	Switch defective
	– To left	– Red terminal to socket 10 – Black terminal to socket 3	approx. 12 V	Switch defective
	– To right	– Red terminal to socket 3 – Black terminal to socket 10	approx. 12 V	Switch defective

Test step	Item tested	Test conditions	Specification	Fault
3	**Right** mirror switch functions	– Switch position, right Ignition on		
	– Upwards	– Red terminal to socket 4 – Black terminal to socket 5	approx. 12 V	Switch defective
	– Downwards	– Red terminal to socket 5 – Black terminal to socket 4	approx. 12 V	Switch defective
	– To left	– Red terminal to socket 10 – Black terminal to socket 5	approx. 12 V	Switch defective
	– To right	– Red terminal to socket 5 – Black terminal to socket 10	approx. 12 V	Switch defective
4	Mirror heater current supply	Ignition on – Rear window heater switch on – Remove mirror glass – Pull off both connectors – Connect red terminal to connecting cable – Connect black terminal to the other connecting cable	approx. 12 V	– Rear window heater switch defective – Wiring open circuit, mirror heater defective
5	Mirror heater (when cold)	– Remove mirror glass – Pull off both connectors – Connect red terminal to connecting cable – Connect black terminal to the other connecting cable on the mirror glass	3 – 6 Ω	Mirror heater defective, renew mirror glass

Heated seats

General notes on testing:

Removing and installing manually adjustable seats, rear bench seat and rear seat backrest as well as renewing heater elements ⇒ Workshop Manual, General body repairs.

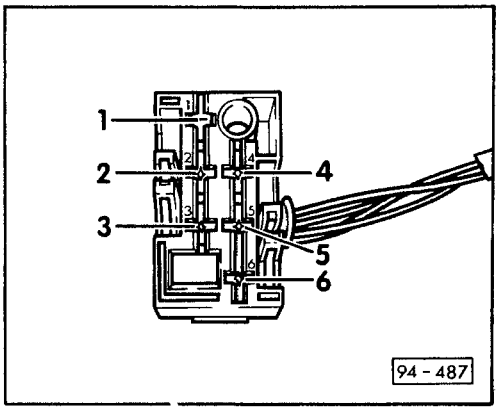
Removing and installing electrically adjustable seats ⇒ Workshop Manual, Electrical system.

If during checks it is determined that components are defective then also check wiring to the components using Current Flow Diagram.

Heated seat function not OK

Prerequisites:

- Battery OK.
- Fuses according to Current Flow Diagram OK.
- Use hand multimeter V.A.G 1526 A and auxiliary test set V.A.G 1594 A for checks.
- Always use relevant Current Flow Diagram when fault finding.



Test A

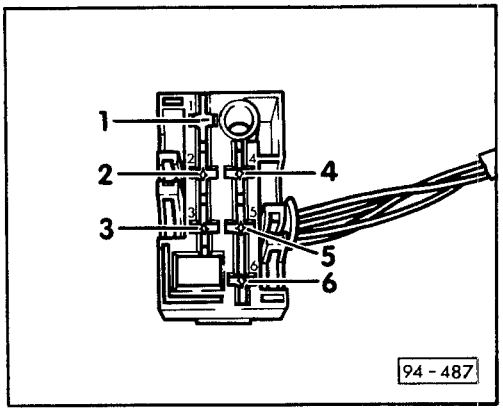
Checking voltage supply at connector for heated seat switch with regulator.	
– Remove relevant heated seat switch with regulator and separate connections. – Connect test unit (voltage measurement) one after the other to contacts 4 (positive) and earth as well as contacts 4 (positive) and 6 (negative). Specification: each approx. battery voltage. – Connect test unit (voltage measurement) one after the other to contacts 1 (positive) and 6 (negative) as well as contacts 5 (positive) and 6 (negative). – Switch on ignition. Specification: each approx. battery voltage. – Switch off ignition.	
If one of the specifications is **not** achieved.	Specifications achieved.

Check wiring open circuit using Current Flow Diagram and rectify or check fuses for continuity and renew if necessary.

END

Test B

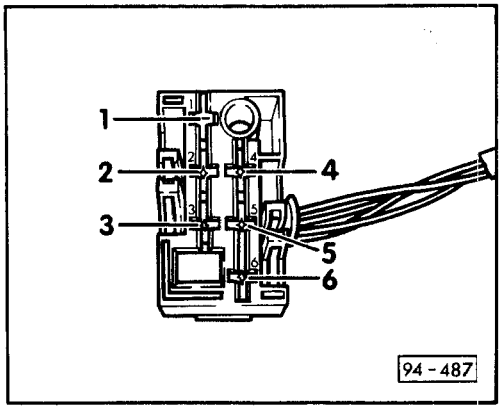
Test **B**



Checking defective seat temperature sensor for continuity.	
– Connect test unit (resistance measurement) to contacts 3 and 6. Specification: approx. 10 kOhm at 20°C ambient temperature. ***Note:*** *Temperature sensor and seat heater element are a component.*	
Specification **not** achieved.	Specification achieved.

Check wiring open circuit using Current Flow Diagram and rectify or check fuses for continuity and renew if necessary.

END



Checking defective seat heater element for continuity.	
– Connect test unit (resistance measurement) to contacts 2 and 6. Specification: approx. 2.0 Ohm	
Specification **not** achieved.	Specifications achieved.

Check wiring open circuit using Current Flow Diagram and rectify or check heater element for continuity and renew if necessary, page 5/3

END

END

Checking **heater elements** in front seats (driver's and passenger's side) for continuity:

Note:
Heater elements for cushion and backrest are switched internally and cannot be checked individually at connector.

- Separate 6-pin connector (green) under front of seat and unclip connector from retainer on bottom seat frame.

- Connect test unit (resistance measurement) using auxiliary cable to contacts 3 and 4.
  Specification: approx. 2.0 Ω

- If specification is not achieved, renew heater elements

Electric sliding roof does not work

Prerequisites:

- Fuses according to Current Flow Diagram OK.
- Remove interior light, remove cover.
- Use hand multimeter V.A.G 1526 A and auxiliary test set V.A.G 1594 A for checks.
- Measurements taken at sliding roof motor connector.
- When fault finding always use relevant Current Flow Diagram

Note:

Removing and installing sliding roof motor ⇒ Workshop Manual, General body repairs.
Sliding roof motor and control unit are one unit.

Test step	Item tested	Test conditions	Specification	Fault
1	Current supply, terminal 30 and earth supply terminal 31 to sliding roof control unit	– Black terminal to socket 2 – Red terminal to socket 1	Battery voltage	Wiring open circuit
2	Preselection switch	– Black terminal to socket 1 – Red terminal to socket 4	approx. 5 Ω	Preselection switch defective
3	Preselection switch, position "Open"	– Black terminal to socket 1 – Red terminal to socket 2	During operation, approx. 3 kΩ ... approx. 0.7 kΩ fluctuating	Preselection switch defective
4	Preselection switch, position "Close"	– Black terminal to socket 4 – Red terminal to socket 2	During operation, approx. 2 kΩ ... approx. 0.6 kΩ fluctuating	Preselection switch defective

Test steps do not solve problem:
Renew sliding roof motor with control unit.

Electric window lifters

Basic notes on testing and fault finding

Check following **before beginning** checks concerning complaints with function of electric windows:

a) Has system been operated according to Owners Manual?

b) Localise whether one or more windows are not working.

c) The control of electric windows is influenced by opening and closing driver's door or engine running.

If, at the start of checking, a fault is detected in one window only, then start checks at Test step -A-, page 7/2.

If it is found that all windows are not functioning, then start checks at Test step -B-, page 7/3.

If front left window is operated (ignition on) and the control unit can be heard to click, then it can be assumed that the wiring with thermo fuse or the control unit voltage supply is in order. Start tests at -A-, page 7/2.

Note:
If during the following checks it is determined that a component is defective, also check the wiring to the component using Current Flow Diagram.

Prerequisites:

- Battery OK.
- Use hand multimeter V.A.G 1526 A for checks.
- Also use auxiliary test set V.A.G 1594 A.
- Use test unit VW 1315 A with current pick-up to measure current.
- Use relevant Current Flow Diagram.

Note:

Control unit and window lifter motor are one unit.

Functional details:

The electric window lifter control unit (J139) is equipped with a high and low setting control for the driver's door. This allows the window to be raised or lowered automatically after tipping the switch (holding time for relay approx. 8 seconds).

For safety reasons, the window can only be raised automatically when the engine is running (signal from alternator, terminal 61).

If you want to stop a moving window at a certain position, tip the switch in the opposite direction.

Furthermore, the control unit has a delay function for terminal 15 to supply current to all windows when ignition is off.

When ignition is off, windows can be operated until the driver's door is closed after opening (recognition via driver's door contact switch F2).

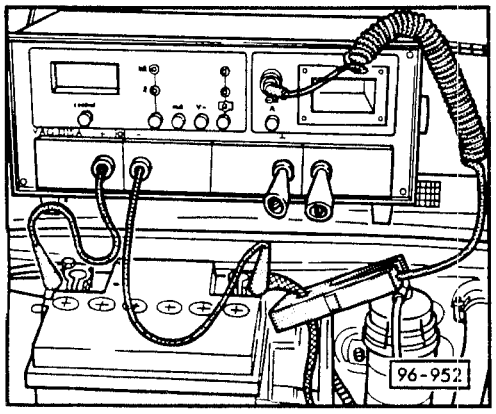
Overload protection for the wiring is provided by thermo fuse (S43) in additional relay carrier.

The thermo fuse integrated in the individual window lifter motors prevents the motor overloading if a switch sticks or current consumption is too high.

Note:

Depending on ambient temperature and friction of individual windows it is possible that the current values are close to tolerances. Blocking currents can only be measured for approx. 10 seconds because the individual window lifter motor thermo fuse will interrupt the current after this point. Additionally, the front left window lifter current will be interrupted after 8 – 10 seconds by the control unit (raising and lowering control).

Test **A**



Current consumption of individual window lifter motors when installed.	
– Connect test unit V.A.G 1315 A using current pick-up to positive or negative wire close to battery (observe markings on current pick-up). – Switch on ignition. ***Note:*** *With "ignition on" the test unit will already display a current value which can vary according to operating condition, type of vehicle and equipment.* – Press window lifter switches one after the other (raise or lower). – Current value must rise approx. 6 – 12 A when switch is operated and at same time door window moves. – If during check a window contacts upper/lower stop and the switch continues to be pressed: – Current value must rise again briefly by approx. 10 – 20 A (blocking current).	
If specifications are **not** achieved.	If specifications are achieved.

Test **B**
Page 7/3

Test **E**
Page 7/4

Test **B**

Checking window lifters

- Remove door trim.
- Remove window lifter switch from door trim.
- Pull connector off window lifter motor.

Test step	Item tested	Test conditions	Specification	Fault
1	Checking current supply	– Red terminal to socket 6 – Black terminal to socket 7	Approx. battery voltage	Wiring open circuit Thermo fuse defective
2	Checking left window lifter switch	– Red terminal to socket 6 – Black terminal to socket 3	Approx. battery voltage	– Switch defective – Wiring open circuit
	Open window	– Switch on ignition		
	Close window	– Red terminal to socket 6 – Black terminal to socket 4 – Switch on ignition	Approx. battery voltage	– Switch defective – Wiring open circuit

If all specifications are achieved, renew window lifter motor.

Test E

Mechanical components of electrical window lifter defective.

Note:

A possible cause is mechanical stress in electrical window lifter assembly carrier or drive stuck (motor/gearbox).

- Remove door trim on relevant door.
- Reconnect operating switch.
- Visual check (damaged wiring and mechanical components).
- Partially loosen window lifter securing bolts.
- Switch on ignition.
- Press operating switch (lower window) and, with a second mechanic, attempt to move the window downwards.

Door window moves.	Door window will **not** move.
Secure window lifter system free of stress. To do this, move door window to "half open position", check whether **upper** stop is set correctly ⇒ Workshop Manual, General body repairs and Electrical system. Use E6 torx socket to set upper stop position.	Remove electric window lifter and, depending on fault, renew mechanical parts or motor/gearbox unit ⇒ Workshop Manual, Electrical system and General body repairs.
END	END

Checking function of operating switches for window lifters in driver's door

Checking function of operating switch for window lifter in driver's door

- Connect test unit to contact 8 and 4.
  Specification: ∞ Ω
- Operate switch (lower window).
  Specification: 0 Ω
- Connect test unit to contact 8 and 9.
  Specification: ∞ Ω
- Operate switch (raise window).
  Specification: 0 Ω

If specifications are not achieved, renew operating switch.

Operating switch for front passenger's door

- Connect test unit to contact 8 and 6.
  Specification: ∞ Ω
- Operate switch (lower window).
  Specification: 0 Ω
- Connect test unit to contact 8 and 2.
  Specification: ∞ Ω
- Operate switch (raise window).
  Specification: 0 Ω

If specifications are not achieved, renew operating switch.

Checking function of operating switch in front passenger's door

- Removing ⇒ Driver's door.
- Connect test unit to contact 8 and 9.
  Specification: ∞ Ω
- Operate switch (lower window).
  Specification: 0 Ω
- Connect test unit to contact 8 and 6.
  Specification: ∞ Ω
- Operate switch (raise window).
  Specification: 0 Ω
- Connect test unit (resistance measurement) one after the other to contacts 9 and 4, 6 and 2.
  Specification: 0 Ω

If specifications are not achieved, renew operating switch.

Diagnostic wiring

Fault finding in the case of faults in establishing communication between fault reader V.A.G 1551 and control units with self-diagnosis facility.

Contents:

1. Engine control unit does not answer	No. 8/1
2. Control unit does not answer	No. 8/4
3. Testing diagnostic cable V.A.G 1551/3	No. 8/6

Test requirements:

- Voltage supply OK.
- Correct address words of all control units with self-diagnosis facility installed in vehicle are known.
- Applicable Current Flow Diagrams and Workshop Manuals for systems with self-diagnosis facility are available.

Test equipment:

- Fault reader V.A.G 1551 and diagnostic cable V.A.G 1551/3
- Measuring appliance set V.A.G 1594 A
- Test box V.A.G 1598
- Test box V.A.G 1598/25
- Test box V.A.G 1598/22
- Portable multimeter V.A.G 1526 A

Note:

With the model launch of the A3, the threaded connections of the diagnostic wiring in the central electrics in the plenum chamber are discontinued and are replaced by a connection in the diagnostic wiring harness (welded connection). Consequently, it is no longer possible to disconnect the individual K wires for the control units. When fault finding, it is therefore necessary to disconnect the individual control unit connectors separately.

1. Engine control unit does not answer

The diagnostic wiring (K/W wire) of the engine control unit is routed into the dash panel insert and from there via the immobilizer control unit as K wire of the dash panel insert to the diagnosis connection (A76) on the diagnosis connector (T16).

If one of the four fault messages appears in the display of the V.A.G 1551 after selecting engine electronics (address word 01), proceed as follows.

◄ Readout in display:

Rapid data transfer HELP Control unit does not answer

or

Rapid data transfer Fault in communication build-up

or

Rapid data transfer HELP K wire not switching to earth

or

Rapid data transfer HELP K wire not switching to positive

Test step 1.1

- Test diagnostic cable V.A.G 1551/3 ⇒ page No. 8/6, and replace if necessary.
- Select engine control unit (address word 01) with V.A.G 1551.
- If engine control unit does not answer, select another control unit (except dash panel insert) fitted in the vehicle. If no other control unit answers, see fault finding "Control unit does not answer", test step 2.2.
- If another control unit answers, continue with the next test step.

Test step 1.2

- Select dash panel insert (address word 17) with V.A.G 1551.
- If dash panel insert answers, continue with test step 1.3.
- If dash panel insert does not answer, continue with test step 1.4.

Test step 1.3

- Unplug green and blue connectors from dash panel insert. Connect test box V.A.G 1598/25 to connectors.
- Bridge pin 5 (green connector) and pin 25 (blue connector) of dash panel insert with cable from measuring appliance set V.A.G 1594 A.
- Once again select engine control unit (address word 01).
- If engine control unit answers, renew dash panel insert. The fault is thus rectified.
- If engine control unit does not answer, unplug connector from engine control unit and connect test box V.A.G 1598/22.
- Test wiring connections between dash panel insert and engine control unit for open circuit, short to earth and short to positive on the basis of the Current Flow Diagram and rectify fault, if necessary.
- If no fault is found in the wiring (wiring connections), renew engine control unit. The fault is thus rectified.

Test step 1.4

- Unplug green and blue connectors from dash panel insert. Connect test box V.A.G 1598/25 to connectors.
- Bridge pin 5 and pin 25 of dash panel insert with cable from measuring appliance set V.A.G 1594 A.
- Once again select engine control unit (address word 01).
- If engine control unit answers, renew dash panel insert. The fault is thus rectified.
- If engine control unit does not answer, open diagnostic wiring connection (welded connection) - (it is located near the diagnosis connector T16).
- Connect test box V.A.G 1598/22 to control unit connector and test wiring between diagnostic wiring connection and control unit connector for open circuit, short to earth and short to positive on the basis of the Current Flow Diagram and rectify fault.

2. Control unit does not answer

If one of the four fault messages appears in the display of the V.A.G 1551 after selecting the required control unit or when performing "Automatic test sequence" (address word 00), proceed as follows.

Rapid data transfer HELP Control unit does not answer

◄ Readout in display:

or

Rapid data transfer Fault in communication build-up

or

Rapid data transfer HELP K wire not switching to earth

or

Rapid data transfer HELP K wire not switching to positive

Test step 2.1

- Test diagnostic cable V.A.G 1551/3 ⇒ page No. 8/6, and replace if necessary
- Select required control unit with V.A.G 1551.
- If the control unit does not answer, select another control unit fitted in the vehicle. If this control unit answers, continue with test step 2.6
- If no other control unit answers, continue with the next test step.

Test step 2.2

- Unplug all the connectors of the control units with self-diagnosis facility fitted in the vehicle (see also "Current Flow Diagram, Electrical Fault Finding and Fittings Locations" binder), with the exception of the required control unit.

Note: After rectifying the fault, reconnect connectors to all control units.

Test step 2.3

- Select the control unit which is still connected with V.A.G 1551.
- If the control unit does not answer, continue with test step 2.4.
- If the control unit now answers, the fault is at another control unit.
- Reconnect all control unit connectors one after the other and select the control unit last connected each time. If the fault still exists, the control unit last connected is causing the fault.

Note: The engine control unit can only be selected after the connectors on the dash panel insert have been plugged in.

- Replace control unit causing the fault. The fault is thus rectified.

Test step 2.4

- Unplug connector from control unit and reconnect another control unit.
- Select the control unit which is now connected. If this control unit answers, the control unit last connected is causing the fault and must be replaced.
- If this control unit also does not answer, disconnect connection again and continue with the next test step.

Test step 2.5

- Open diagnostic wiring connection (welded connection).

Note: Colours of wiring connections to the various control units ⇒ Current Flow Diagram.

- Connect test box V.A.G 1598 to the disconnected control unit connectors one after the other and test wiring between diagnostic wiring connection and control unit connectors for open circuit, short to earth and short to positive on the basis of the Current Flow Diagram and rectify fault. The fault is thus rectified.

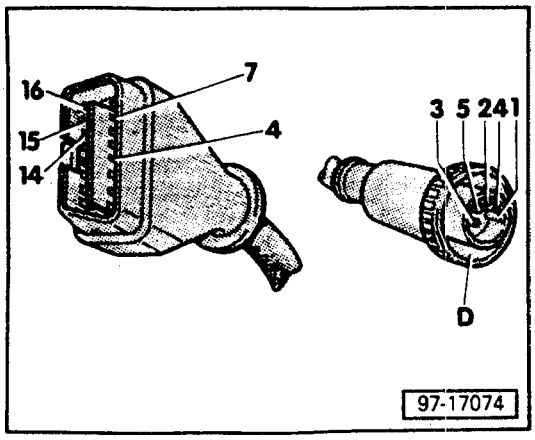
Note: After rectifying the fault, reconnect connectors to all control units.

Test step 2.6

- Unplug connector from control unit which does not answer.
- Open diagnostic wiring connection (welded connection).
- Connect test box V.A.G 1598 to control unit connector and test wiring between diagnostic wiring connection and control unit connector for open circuit, short to earth and short to positive on the basis of the Current Flow Diagram and rectify fault, if necessary.
- If no fault is found in the wiring, replace control unit.

3. Testing diagnostic cable V.A.G 1551/3

- Test diagnostic cable for continuity with portable multimeter V.A.G 1526 A.



◀ Connector at vehicle end and connector -D- at tester end of diagnostic cable V.A.G 1551/3

Connector at vehicle end	Connector -D- at tester end
4	3 Battery (–)
7	1 K wire
14	5 Lamp wire
15	4 L wire
16	2 Battery (+)

Note: If no readout appears in the display, the fault may also be a dirty programme card in the V.A.G 1551. In this case, clean the contacts of the programme card with a lint-free cloth dipped in methylated spirits and insert the card into the slot again.

Headlight washer system

Requirements for testing:

- Battery must be OK.
- Fuses 24 and 33 must be OK.
- Tests are performed with hand-held multimeter V.A.G 1526 A.
- Also use auxiliary cable set V.A.G 1594 A.
- Also use applicable Current Flow Diagram.

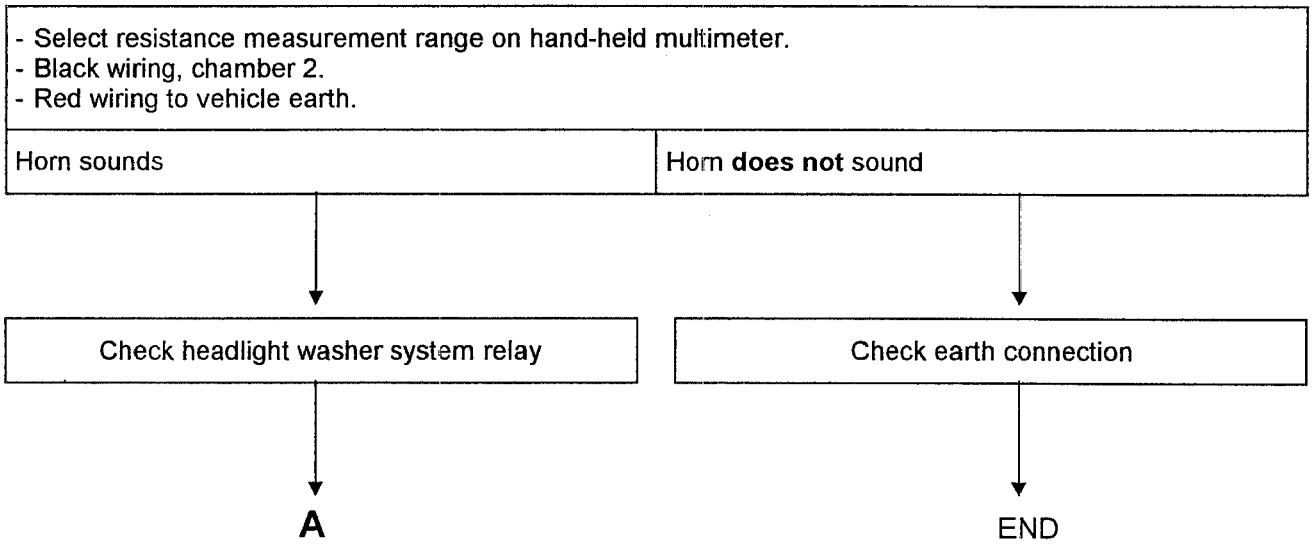
Testing function of headlight washer pump

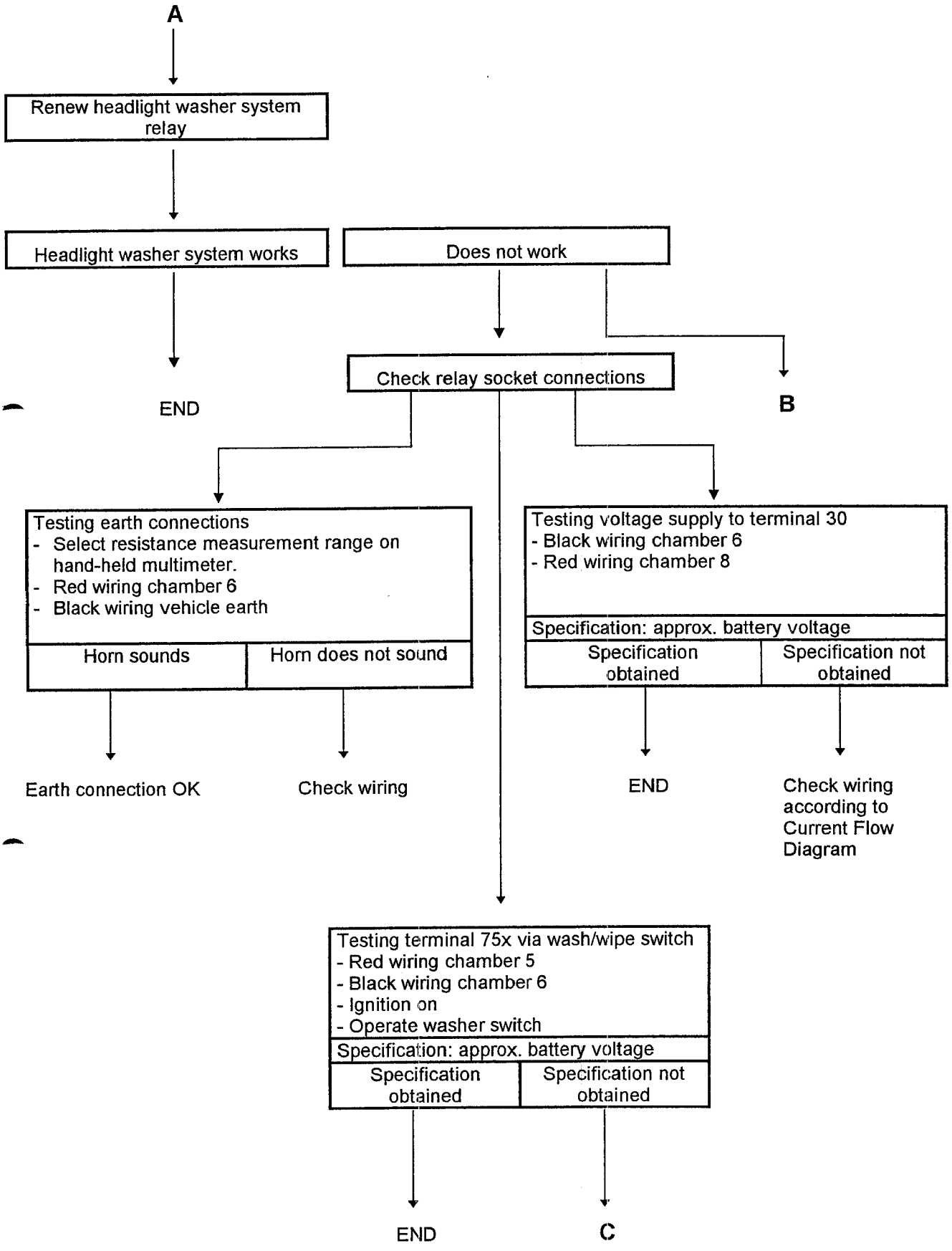
- Unplug connector from pump.
- Select voltage measurement range on hand-held multimeter and connect.
- Switch on ignition.
- Operate windscreen washer switch.

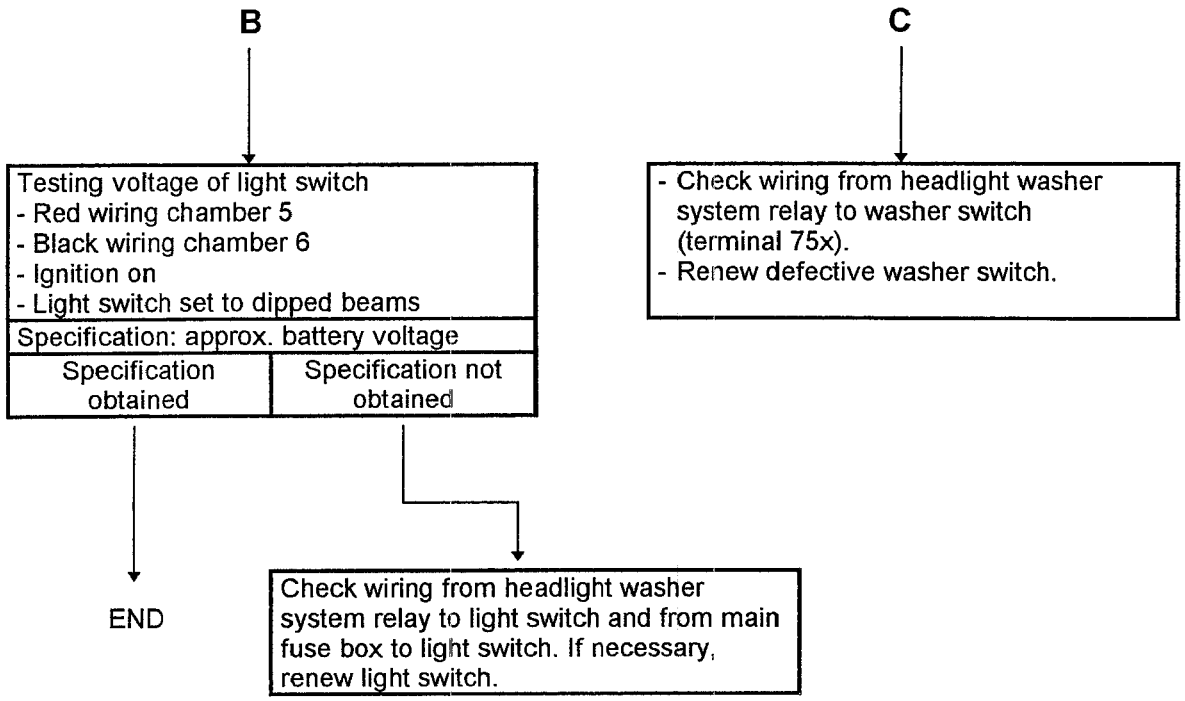
Specification: approx. battery voltage

If specification is not obtained:

Check earth connection to headlight washer pump.




A
Renew headlight washer system relay
Headlight washer system works
Does not work
END
Check relay socket connections
B
Testing earth connections
- Select resistance measurement range on hand-held multimeter.
- Red wiring chamber 6
- Black wiring vehicle earth
Horn sounds
Horn does not sound
Earth connection OK
Check wiring
Testing voltage supply to terminal 30
- Black wiring chamber 6
- Red wiring chamber 8
Specification: approx. battery voltage
Specification obtained
Specification not obtained
END
Check wiring according to Current Flow Diagram
Testing terminal 75x via wash/wipe switch
- Red wiring chamber 5
- Black wiring chamber 6
- Ignition on
- Operate washer switch
Specification: approx. battery voltage
Specification obtained
Specification not obtained
END
C


B
C
Testing voltage of light switch
- Red wiring chamber 5
- Black wiring chamber 6
- Ignition on
- Light switch set to dipped beams
Specification: approx. battery voltage
Specification obtained
Specification not obtained
- Check wiring from headlight washer system relay to washer switch (terminal 75x).
- Renew defective washer switch.
END
Check wiring from headlight washer system relay to light switch and from main fuse box to light switch. If necessary, renew light switch.