

Audi A3

Current Flow Diagram

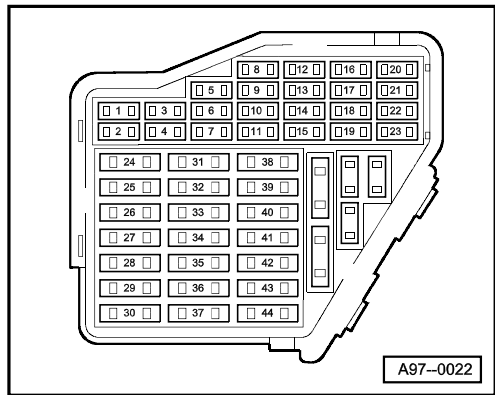
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Edition 04.1998

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

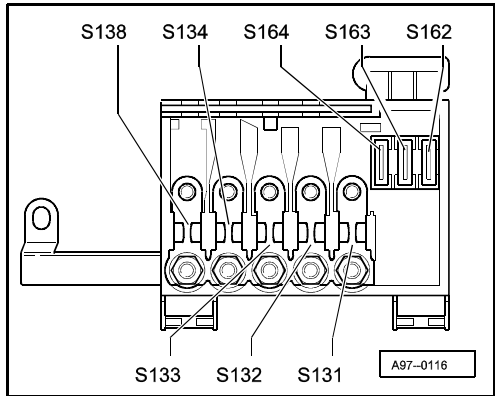
From model year 1997

Fuse box:



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

Main fuse box/battery:



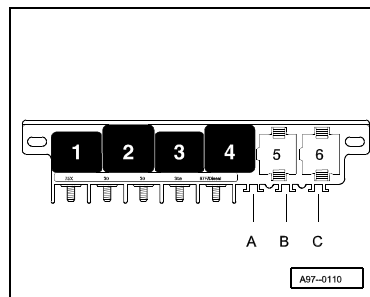
Fuse colours

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

Micro-central electrics:

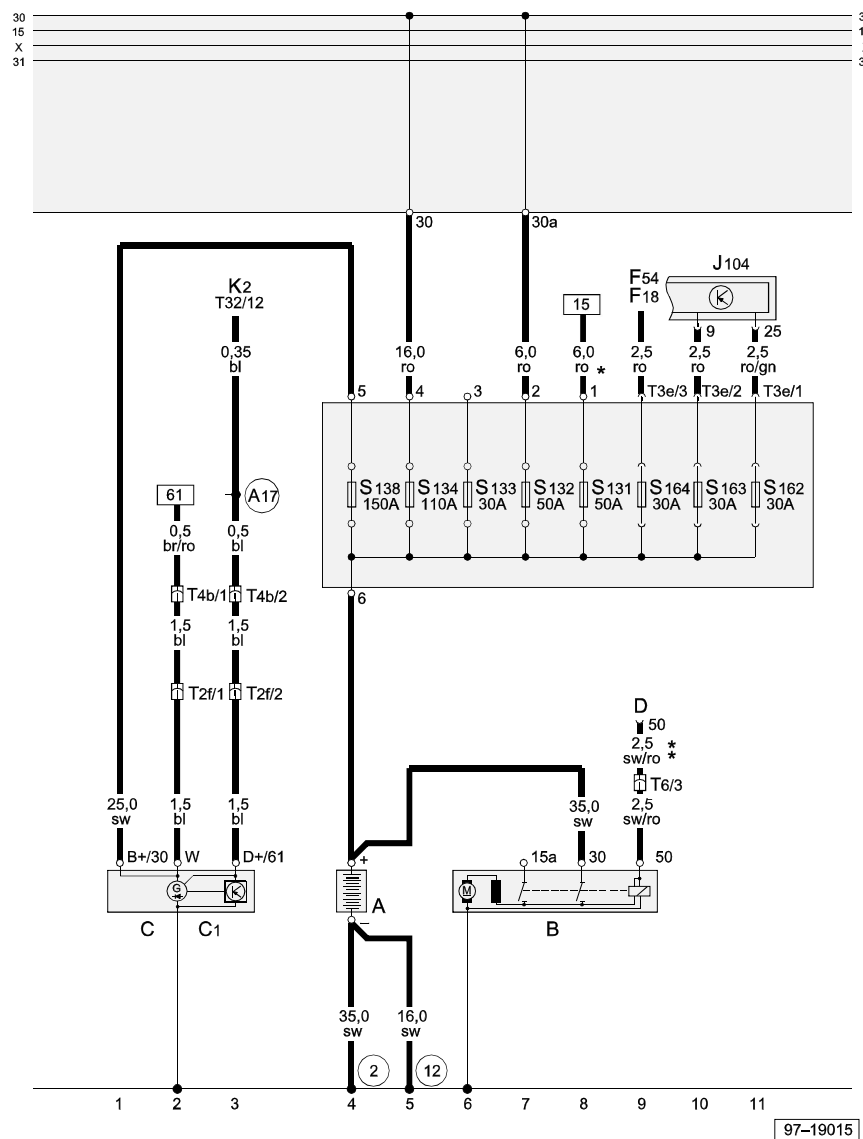
Position of relays:

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

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Battery, starter, alternator, main fuse box/battery

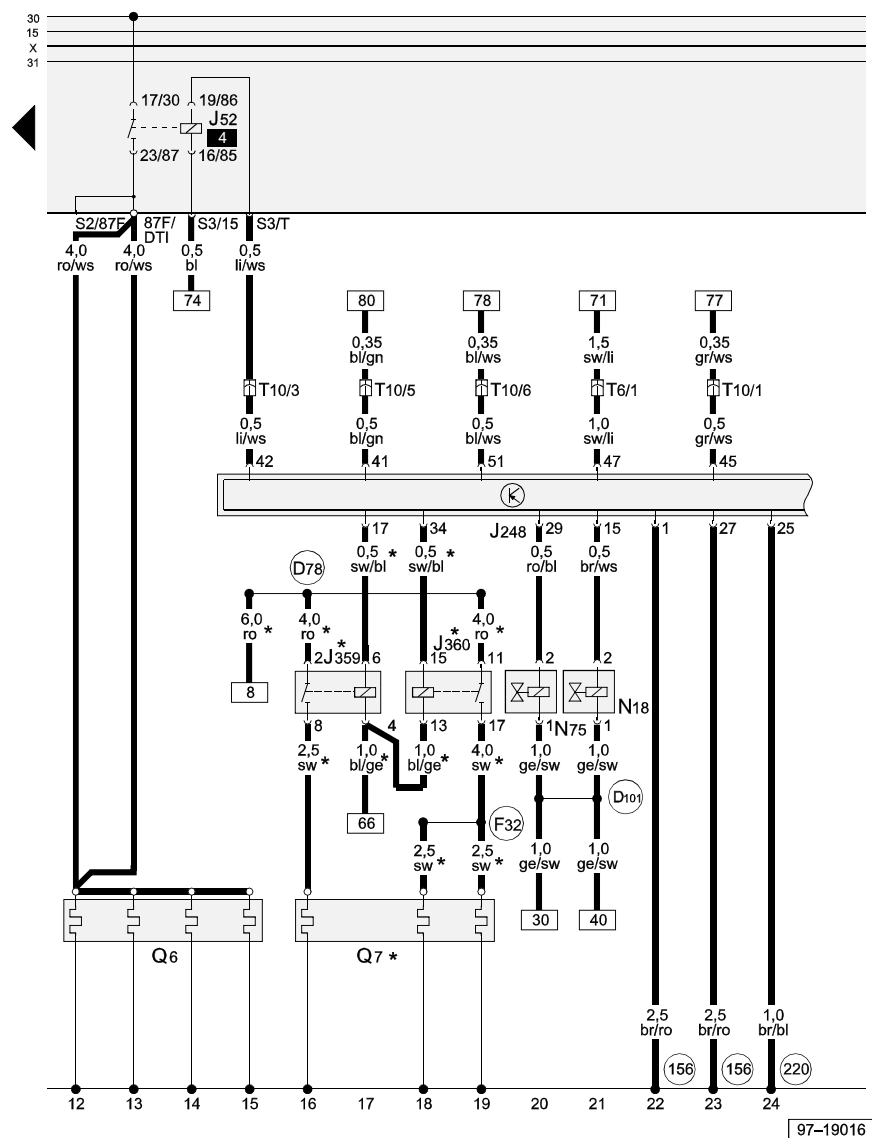
- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F18 - Radiator fan thermo-switch
- F54 - Radiator fan thermo-switch
- J104 - ABS with EDL control unit
- K2 - Alternator warning lamp
- S131 - Fuse 1
- S132 - Fuse 2
- S133 - Fuse 3
- S134 - Fuse 4
- 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

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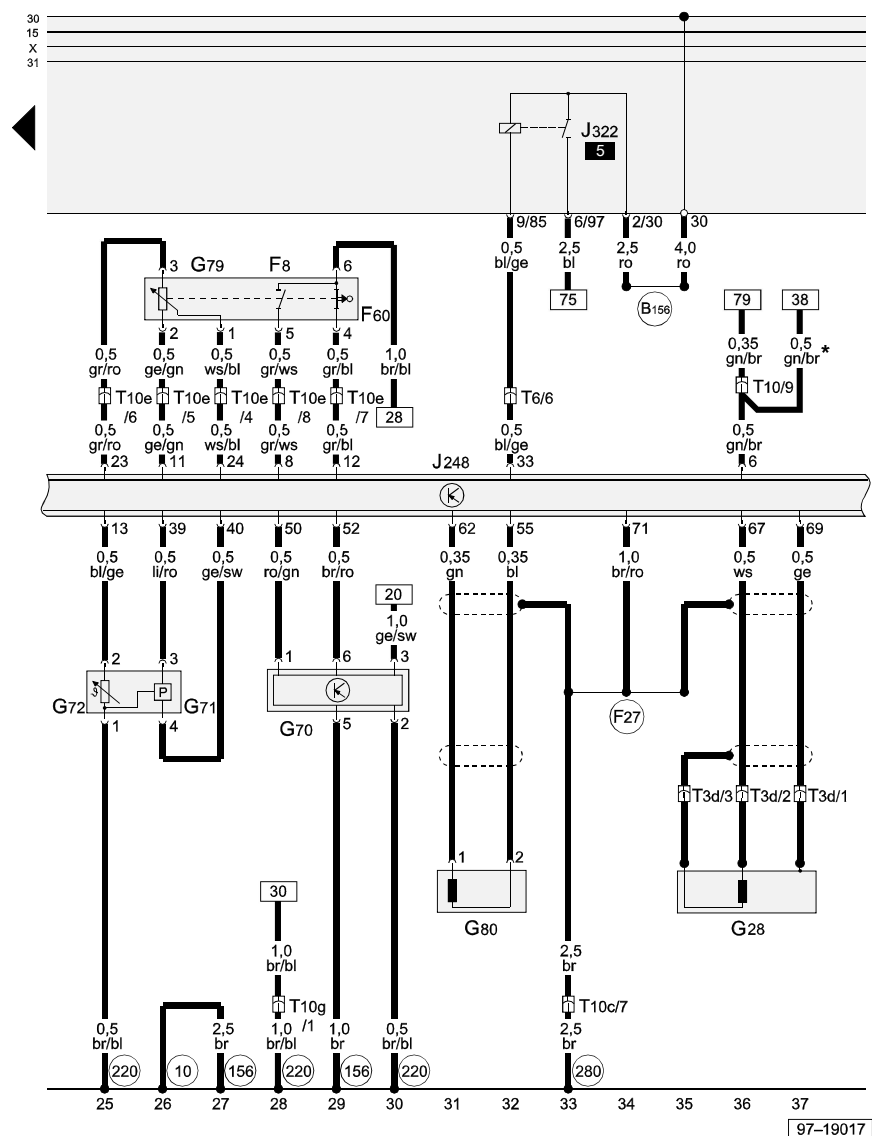
Diesel direct injection system control unit, glow plugs (engine), glow plug relay, glow plugs (coolant), exhaust gas recirculation valve, charge pressure control solenoid valve

- 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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Current Flow Diagram

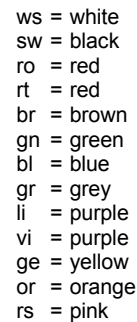
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Diesel direct injection system control unit, air mass meter, diesel direct injection system relay, intake manifold temperature sender, accelerator pedal position sender, engine speed sender

- 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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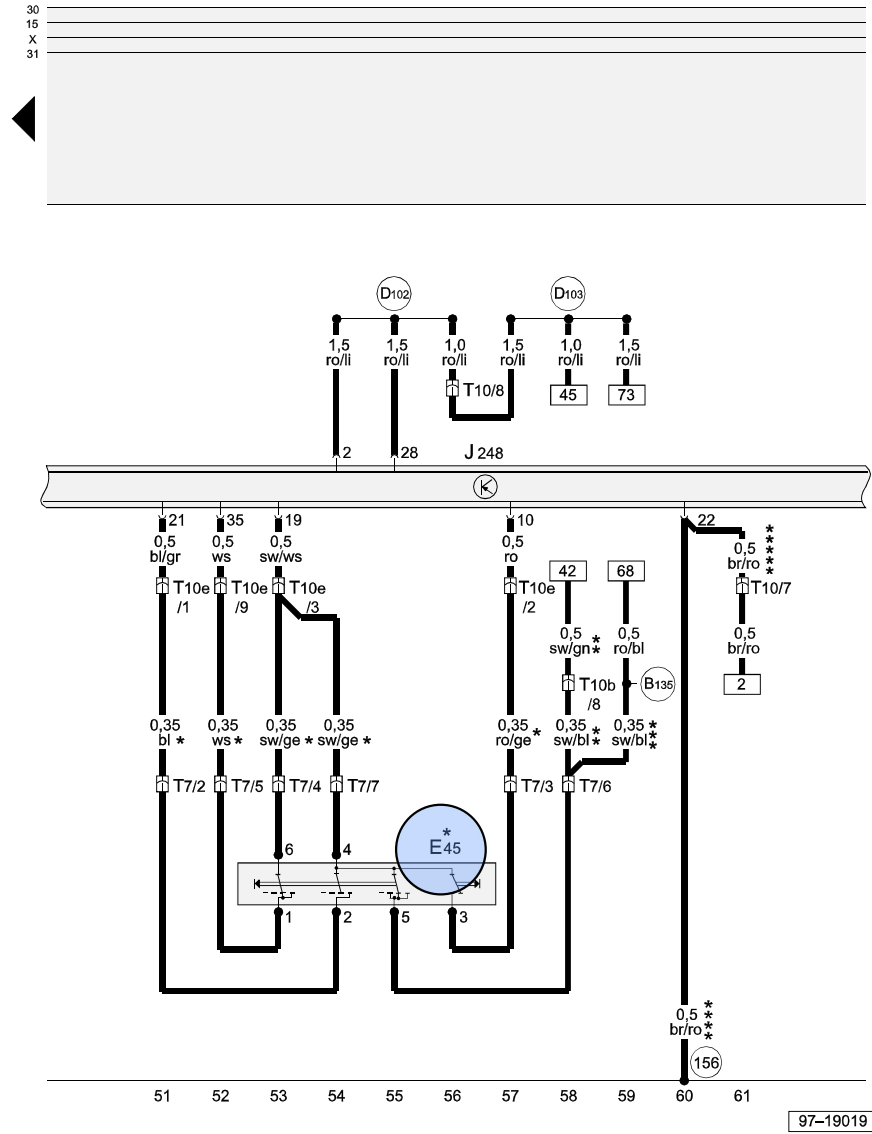


- Diesel direct injection system control unit, coolant temperature sender, modulating piston movement sender**
- G2 - Coolant temperature sender
 - G62 - Coolant temperature sender
 - G81 - Fuel temperature sender
 - G149 - Modulating piston movement sender
 - J217 - Automatic gearbox control unit
 - 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
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Diesel direct injection system control unit

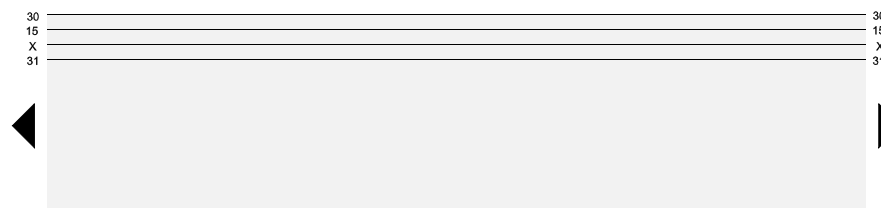
- E45** - Cruise control system switch
- J248 - Diesel direct injection system control unit
- T7 - 7-pin connector, behind steering column switch trim
- T10 - 10-pin connector, white, in plenum chamber
- T10b - 10-pin connector, grey, in plenum chamber
- T10e - 10-pin connector, black, in plenum chamber
- 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)

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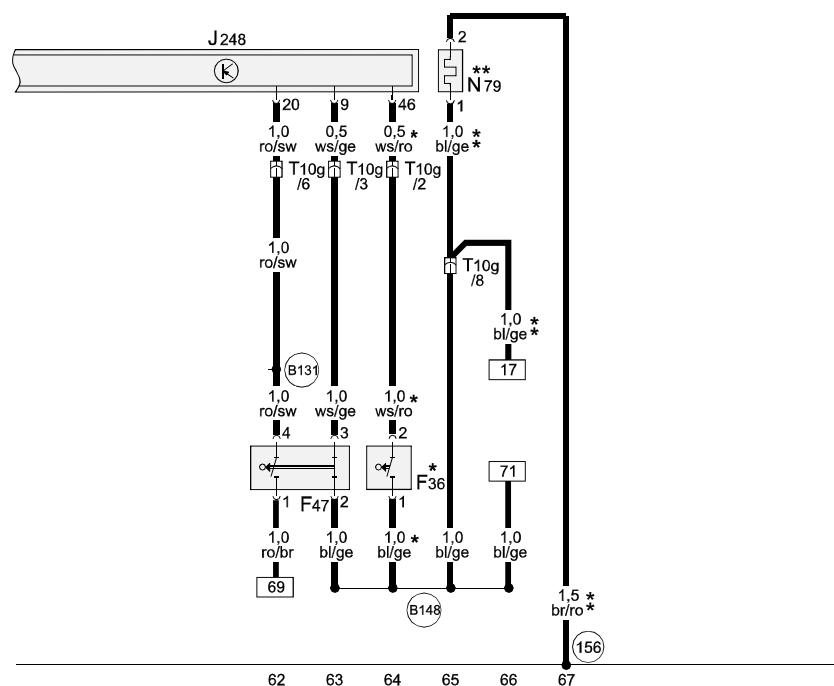
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**Diesel direct injection system control unit, brake pedal switch, clutch pedal switch**

- F36 - Clutch pedal switch
- F47 - Brake pedal switch for diesel direct inj. system
- 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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97-19020

Current Flow Diagram

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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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