

## Audi A6

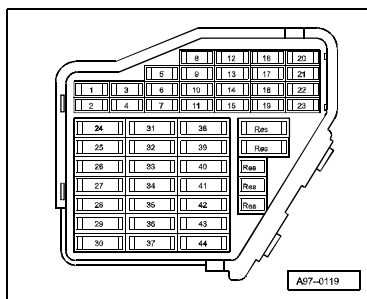
## Current Flow Diagram

No. 56

## 2,5 litre turbo-diesel engine (110 kW, 6-cylinder), engine codes AFB, AKN

Model year 1999

Fuse box

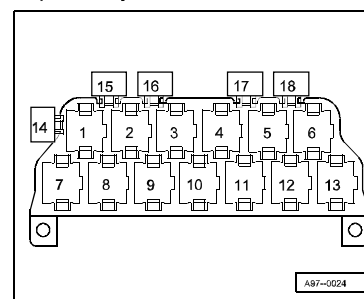


## Fuse colours:

30 A - green  
 25 A - white  
 20 A - yellow  
 15 A - blue  
 10 A - red  
 7,5 A - brown  
 5 A - beige

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

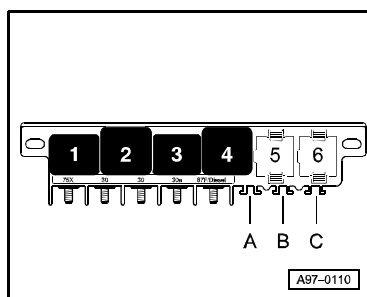
13-point relay carrier



## Position of relays:

- 4** - Starter inhibitor relay (J207)
- 6** - Fuel pump relay (J17)

Micro-central electrics



## Position of relays:

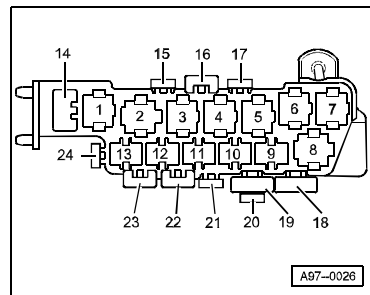
- 4** - Relay for glow plugs (J52)

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## Current Flow Diagram

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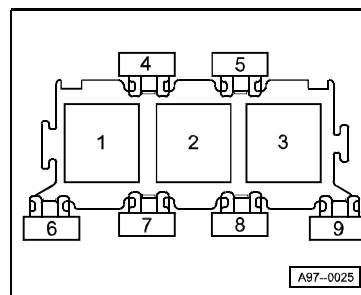
8-point relay carrier



Position of relays:

- 1** - Radiator fan run-on relay (J138)
- 2** - Radiator fan 2nd speed relay (J101)
- 3** - Radiator fan relay (J26)
- 20** - Radiator fan single fuse (S42)
- 21** - Fuse for radiator fan relay (S142)

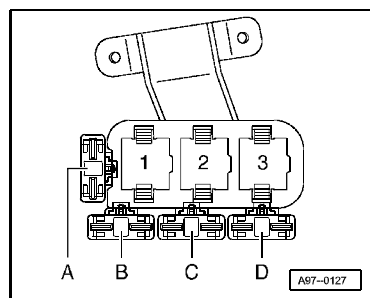
3-point relay carrier in electronics box,



Position of relays:

- 3** - Diesel direct injection system relay (J322)
- 5** - Engine control unit fuse (S102)
- 7** - Fuse for glow plugs - engine (S102)
- 9** - Fuse 2 for glow plugs - engine (S125)

Relay carrier, driver's side, behind dash



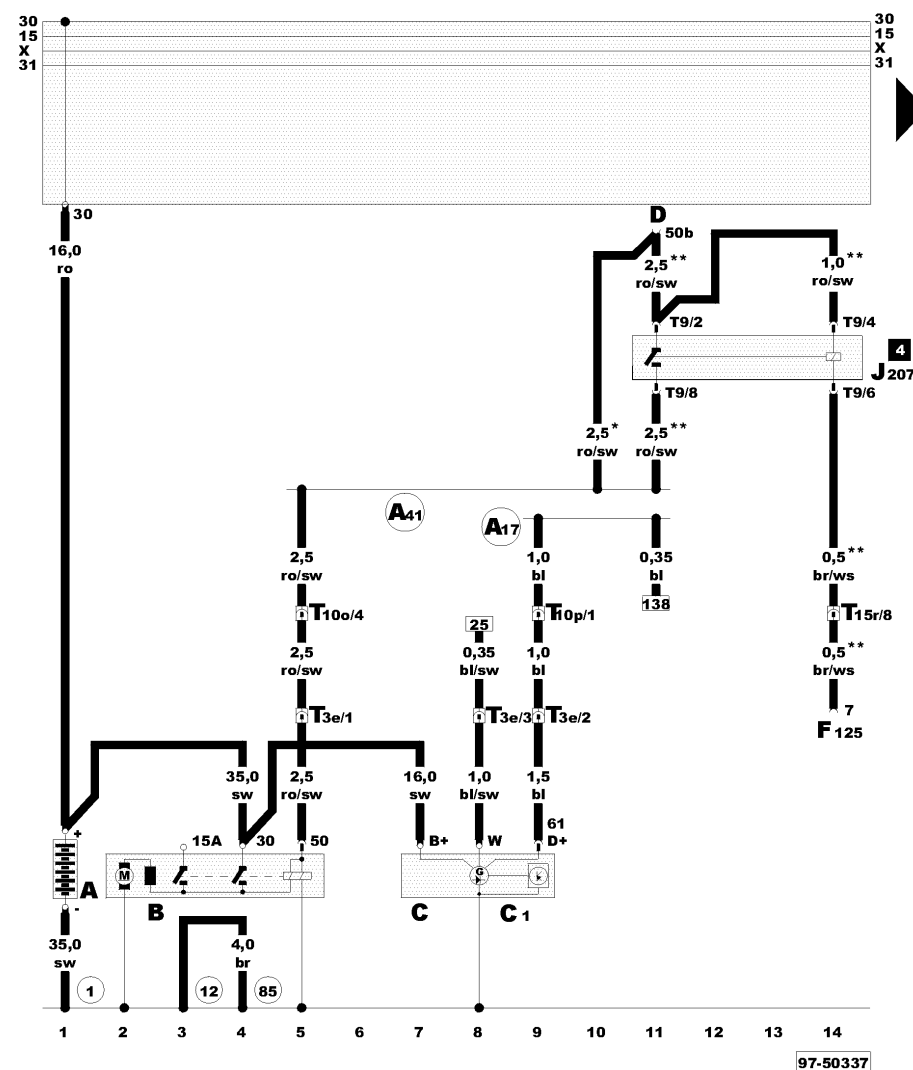
Position of relays:

- 1** - Low heat output relay (J359)
- 3** - High heat output relay (J360)
- C** - Additional heater fuse 2 (S143)
- D** - Additional heater fuse (S109)

## Audi A6

## Current Flow Diagram

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## Battery, starter, alternator, starter inhibitor relay

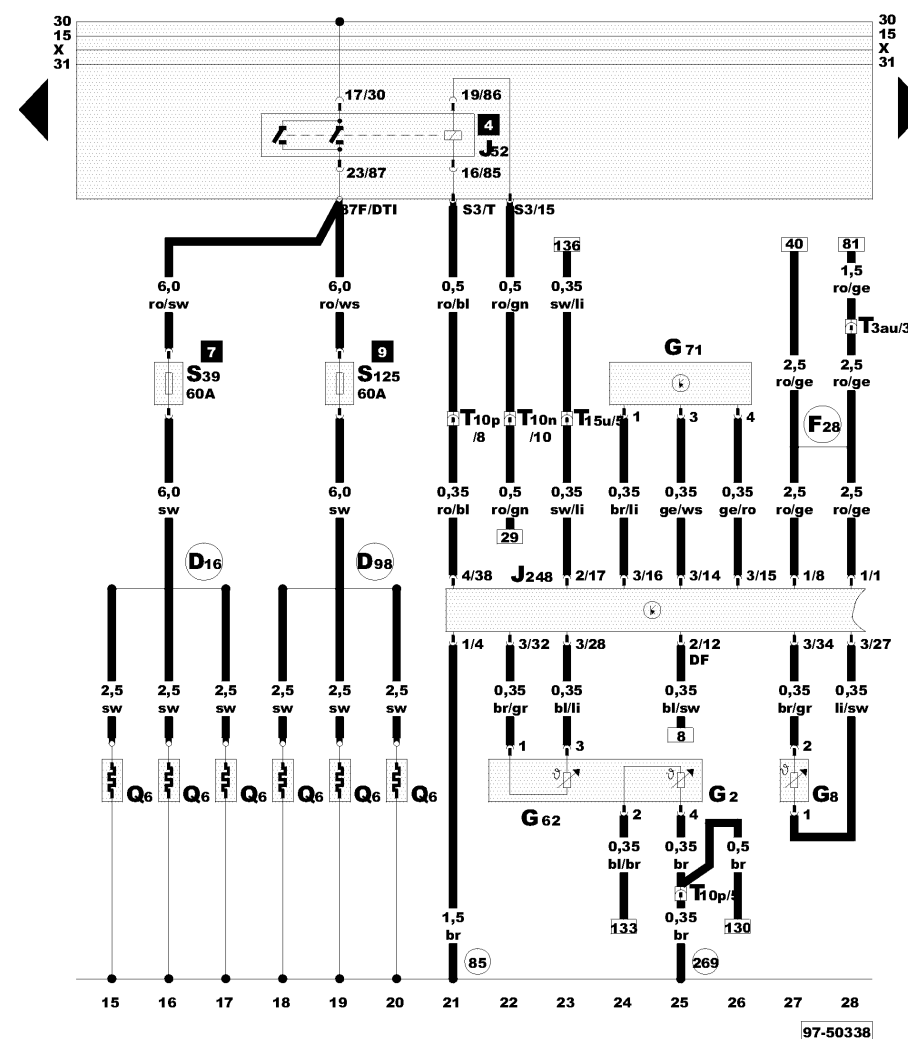
- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F125 - Driving range sensor
- J207 - Starter inhibitor relay
- T3e - 3-pin connector, black, in engine compartment, front left
- T9 - 9-pin connector, brown, at starter inhibitor relay
- T10o - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T10p - 10-pin connector, black, connector point, electronics box, plenum chamber
- T15r - 15-pin connector, brown, connector point, right A pillar
- 1 - Earth strap, battery - body
- 12 - Earth point, in engine compartment, left
- 85 - Earth connection -1-, in engine compartment wiring harness
- A17 - Connection (61), in dash panel wiring harness
- A41 - Positive (+) connection (50), in dash panel wiring harness
- \* - Models with manual gearbox
- \*\* - Models with automatic gearbox

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

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## Current Flow Diagram

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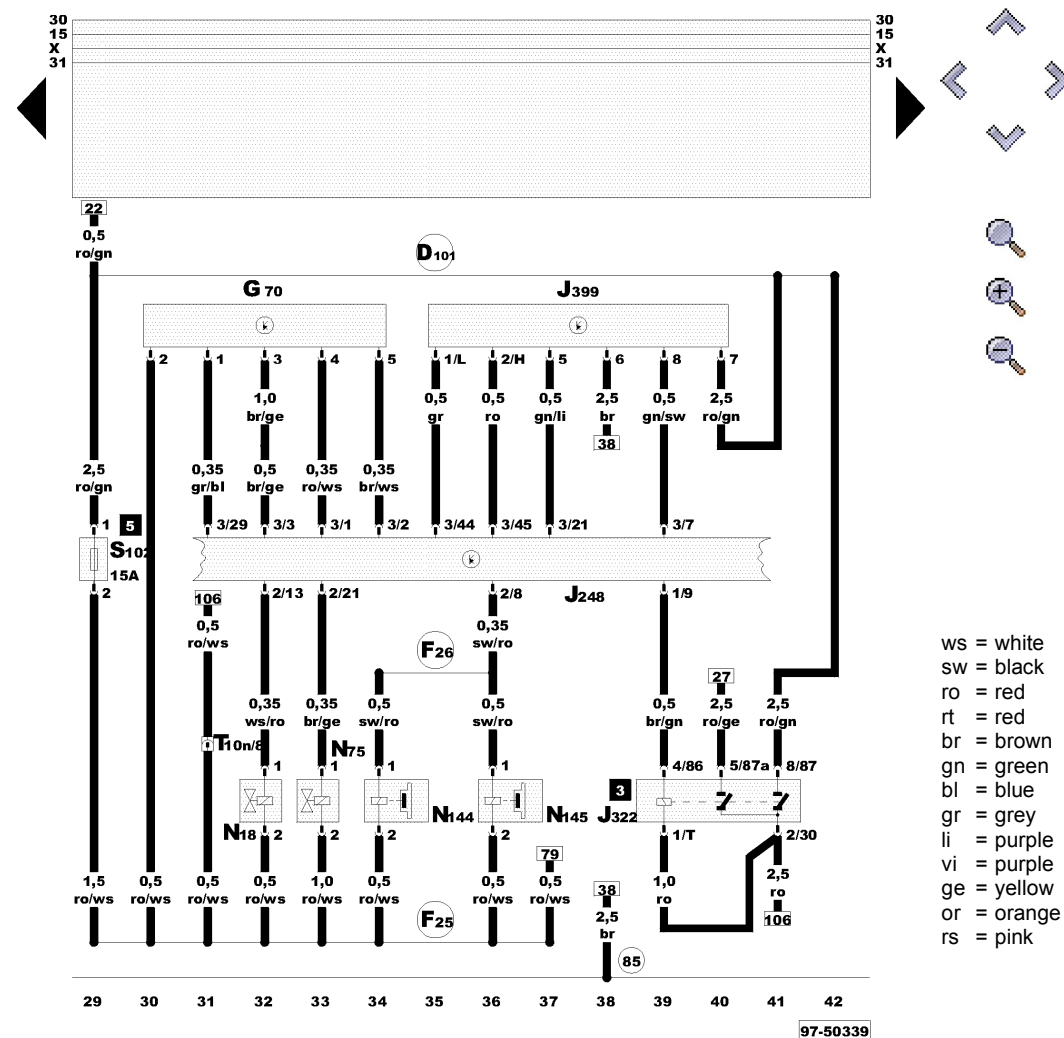
### Diesel direct injection system control unit, glow plugs relay, glow plugs

- G2 - Coolant temperature sender
- G62 - Coolant temperature sender
- G71 - Intake manifold pressure sender
- G93 - Oil temperature sender
- J52 - Glow plug relay
- J248 - Diesel direct injection system control unit
- Q6 - Glow plugs (engine)
- S39 - Fuse for glow plugs - engine
- S125 - Glow plug fuse -2-
- T3au - 3-pin connector, red, connector point, electronics box, plenum chamber
- T10n - 10-pin connector, orange, connector point, electronics box, plenum chamber
- T10p - 10-pin connector, black, connector point, electronics box, plenum chamber
- T15u - 15-pin connector, red, connector point, electronics box, plenum chamber
- 85 - Earth connection -1-, in engine compartment wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- D16 - Connection (glow plugs), in front right wiring harness
- D98 - Connection (glow plugs), in engine compartment wiring harness
- F28 - Connection -3-, in diesel direct injection system wiring harness

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## Current Flow Diagram

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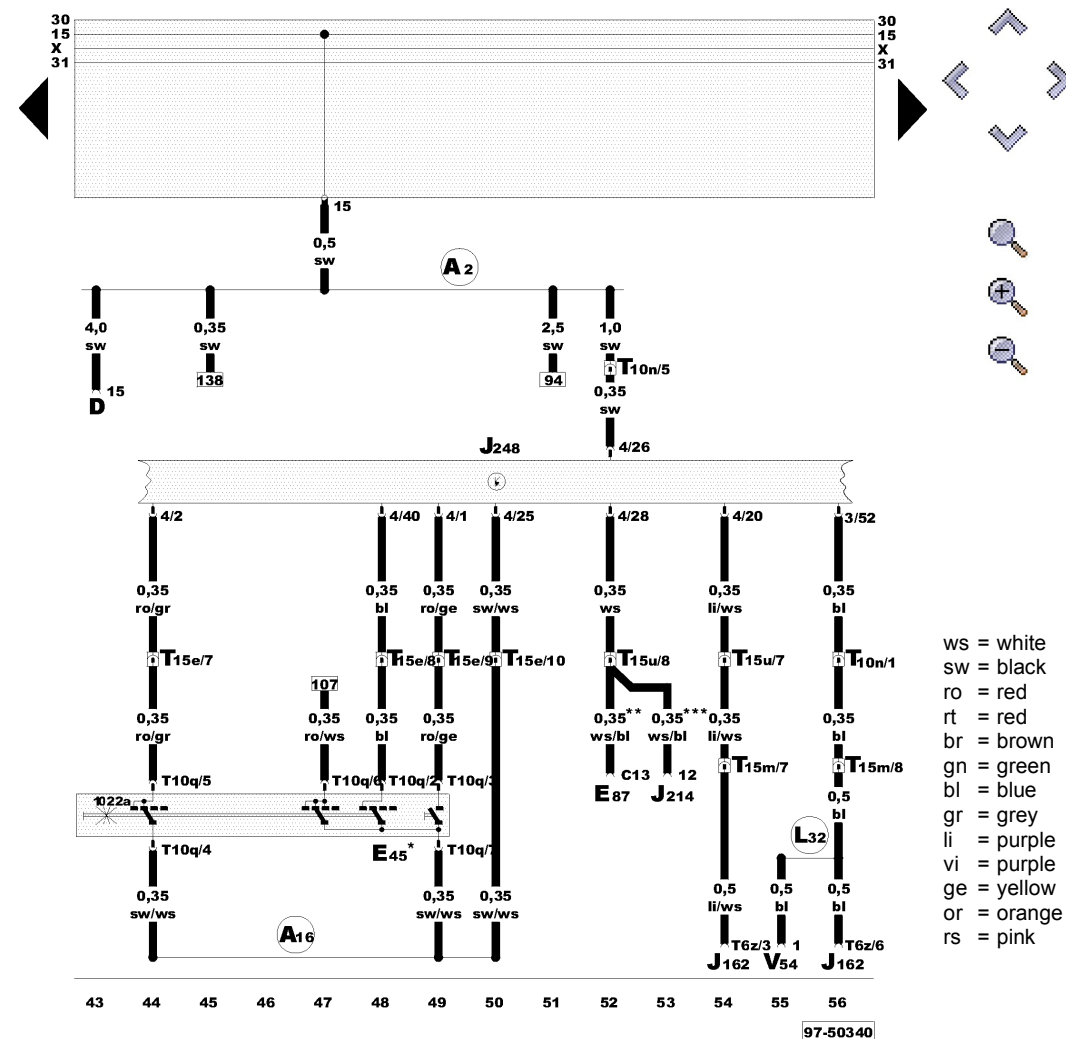
### Diesel direct injection system control unit, air mass meter, injection pump control unit, air mass meter, diesel direct injection system relay

- G70 - Air mass meter
- J248 - Diesel direct injection system control unit
- J322 - Diesel direct injection system relay
- J399 - Injection pump control unit
- N18 - Exhaust gas recirculation valve
- N75 - Charge pressure control solenoid valve
- N144 - Electro/hydraulic engine mounting solenoid valve, left
- N145 - Electro/hydraulic engine mounting solenoid valve, right
- S102 - Engine control unit fuse
- T10n - 10-pin connector, orange, connector point, electronics box, plenum chamber
- 85 - Earth connection -1-, in engine compartment wiring harness
- D101 - Connection -1-, in engine compartment wiring harness
- F25 - Connection -1-, in diesel direct injection system wiring harness
- F26 - Connection -2-, in diesel direct injection system wiring harness

## Audi A6

## Current Flow Diagram

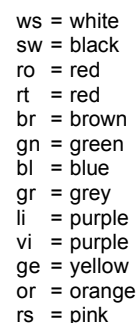
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## Diesel direct injection system control unit, cruise control system

- D - Ignition/starter switch
- E45 - Cruise control system switch
- E87 - Control and display unit for air conditioner
- J162 - Heater control unit
- J214 - Thermotronic control unit
- J248 - Diesel direct injection system control unit
- T6z - 6-pin connector, on auxiliary heater control unit
- T10n - 10-pin connector, orange, connector point, electronics box, plenum chamber
- T10q - 10-pin connector, black, on cruise control system switch
- T15e - 15-pin connector, white, connector point, electronics box, plenum chamber
- T15m - 15-pin connector, white, connector point, A pillar, left
- T15 - 15-pin connector, red, connector point, electronics box, plenum chamber
- V54 - Metering pump
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A16 - Connection (cruise control system), in dash panel wiring harness
- L32 - Connection -1-, in heater unit wiring harness
- \* - Models with cruise control system
- \*\* - Models with air conditioner
- \*\*\* - Models with Thermotronic

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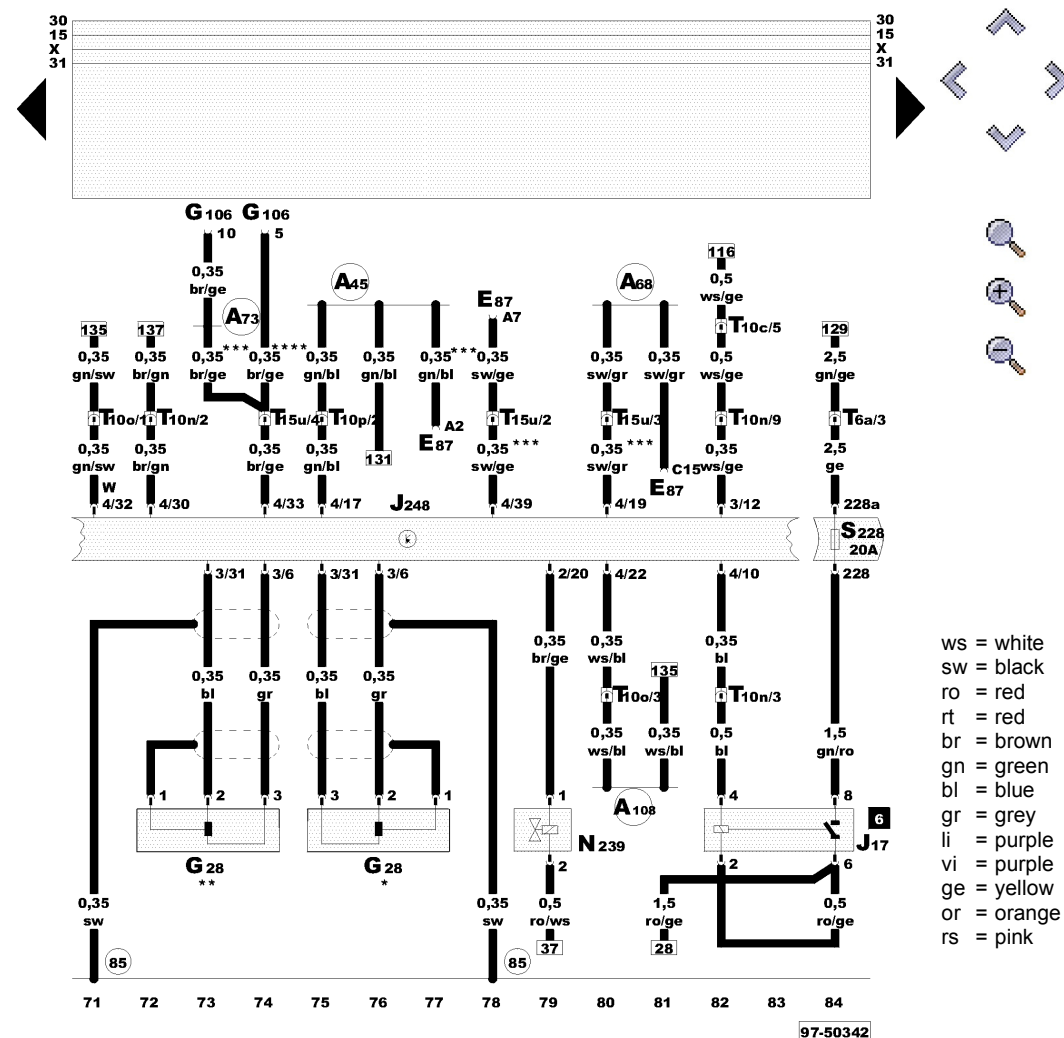


D	- Ignition/starter switch
F	- Brake light switch
F8	- Kick-down switch
F36	- Clutch pedal switch
F47	- Cruise control system brake pedal switch (diesel direct injection system)
F60	- Idling switch
G79	- Accelerator pedal position sender
G80	- Needle lift sender
G210	- Low fuel level sender
J248	- Diesel direct injection system control unit
M9	- Brake light bulb, left
M10	- Brake light bulb, right
S13	- Fuse in fuse box
T10n	- 10-pin connector, orange, connector point, electronics box, plenum chamber
T15e	- 15-pin connector, white, connector point, electronics box, plenum chamber
85	- Earth connection -1-, in engine compartment wiring harness
A18	- Connection (54), in dash panel wiring harness
A52	- Positive (+) connection 2 (30), in dash panel wiring harness
*	- Models with manual gearbox
**	- Models with automatic gearbox 01V

## Audi A6

## Current Flow Diagram

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### Diesel direct injection system control unit, engine speed sender, fuel pump relay

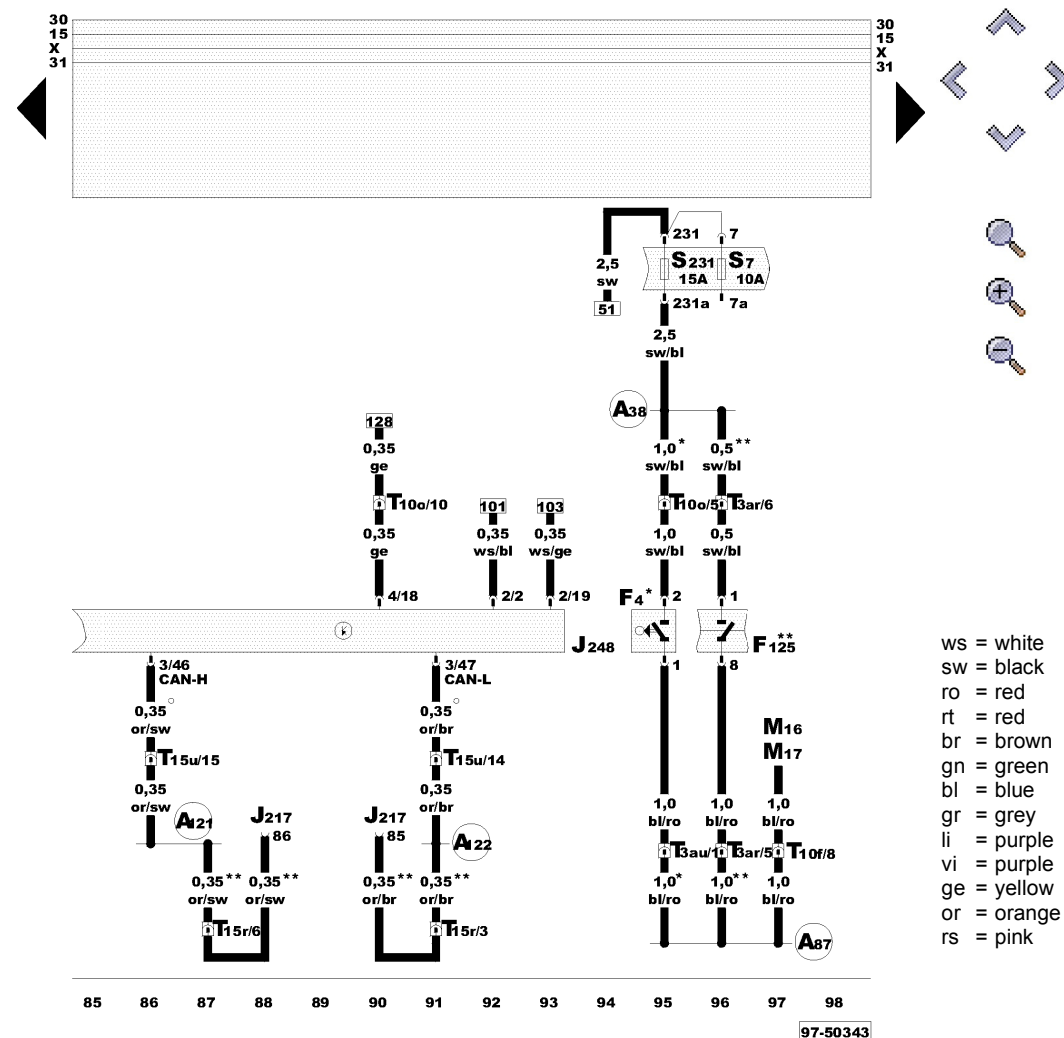
- E87 - Control and display unit for air conditioner
- G28 - Engine speed sender
- G106 - Ambient temperature indicator
- J17 - Fuel pump relay
- J248 - Diesel direct injection system control unit
- N239 - Intake manifold flap change-over valve
- S228 - Fuse in fuse box
- T6a - 6-pin connector, blue, connector point, A pillar, left
- T10c - 10-pin connector, grey, connector point, A pillar, left
- T10n - 10-pin connector, orange, connector point, electronics box, plenum chamber
- T10o - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T10p - 10-pin connector, black, connector point, electronics box, plenum chamber
- T15 - 15-pin connector, red, connector point, electronics box, plenum chamber
- 85 - Earth connection -1-, in engine compartment wiring harness
- A45 - Connection (engine speed signal), in dash panel wiring harness
- A68 - Connection (C15, air conditioner), in dash panel wiring harness
- A73 - Connection (ambient temperature display), in dash panel wiring harness
- A108 - Connection (speed signal), in dash panel wiring harness
- \* - Models with manual gearbox
- \*\* - Models with automatic gearbox 01V
- \*\*\* - Models with air conditioner
- \*\*\*\* - Models with Thermotronic



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## Current Flow Diagram

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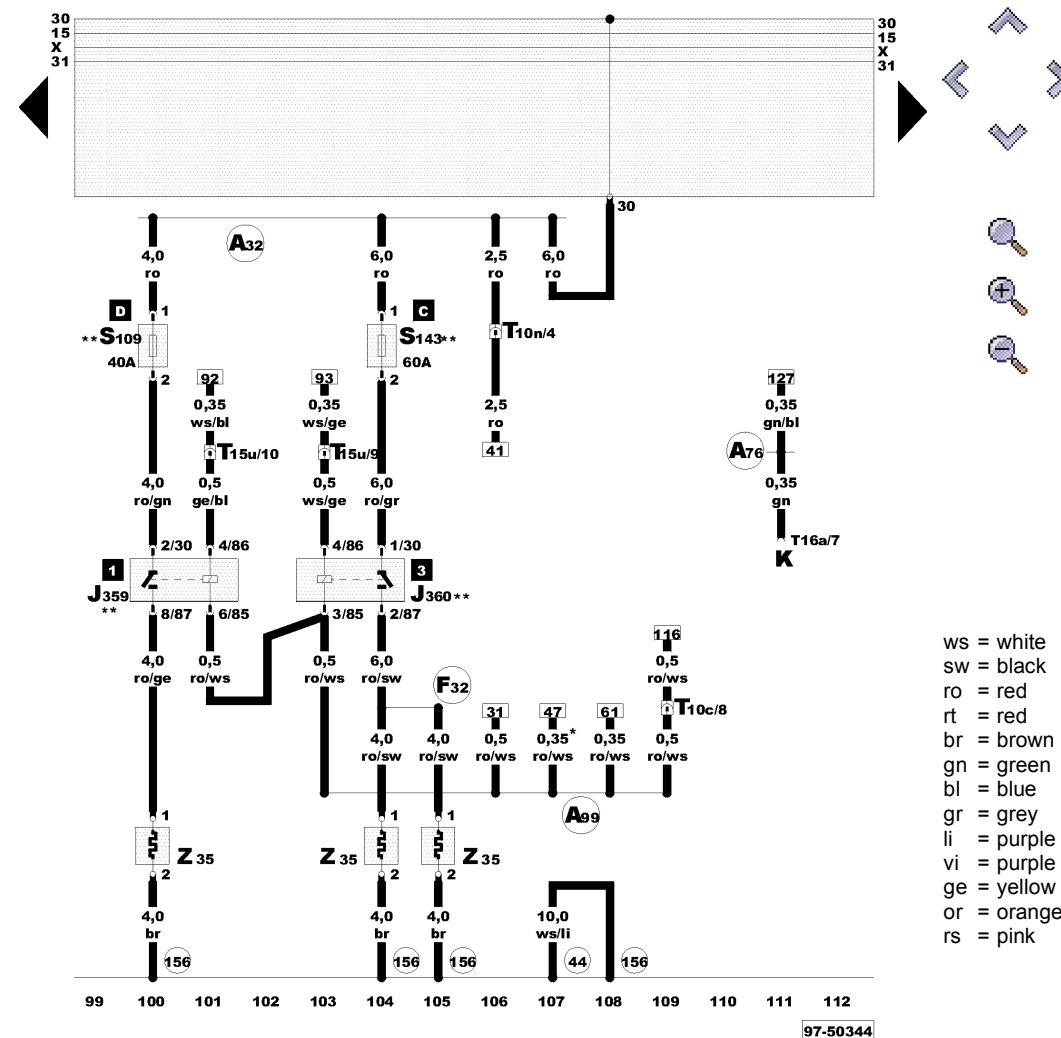
## Diesel direct injection system control unit, reversing light

- F4 - Reversing light switch
- F125 - Driving range sensor
- J217 - Automatic gearbox control unit
- J248 - Diesel direct injection system control unit
- M16 - Reversing light bulb, left
- M17 - Reversing light bulb, right
- S7 - Fuse in fuse box/relay plate
- S231 - Fuse in fuse box
- T3ar - 3-pin connector, brown, connector point, right A pillar
- T3au - 3-pin connector, red, connector point, electronics box, plenum chamber
- T10f - 10-pin connector, brown, connector point, A pillar, left
- T10o - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T15r - 15-pin connector, brown, connector point, right A pillar
- T15u - 15-pin connector, red, connector point, electronics box, plenum chamber
- A38 - Positive (+) connection -2- (15a), in dash panel wiring harness
- A87 - Connection (RF (reversing light)), in dash panel wiring harness
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), in dash panel wiring harness
- - CAN bus (Data bus)
- \* - Models with manual gearbox
- \*\* - Models with automatic gearbox 01V

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## Current Flow Diagram

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## Relay and glow plugs for additional heater

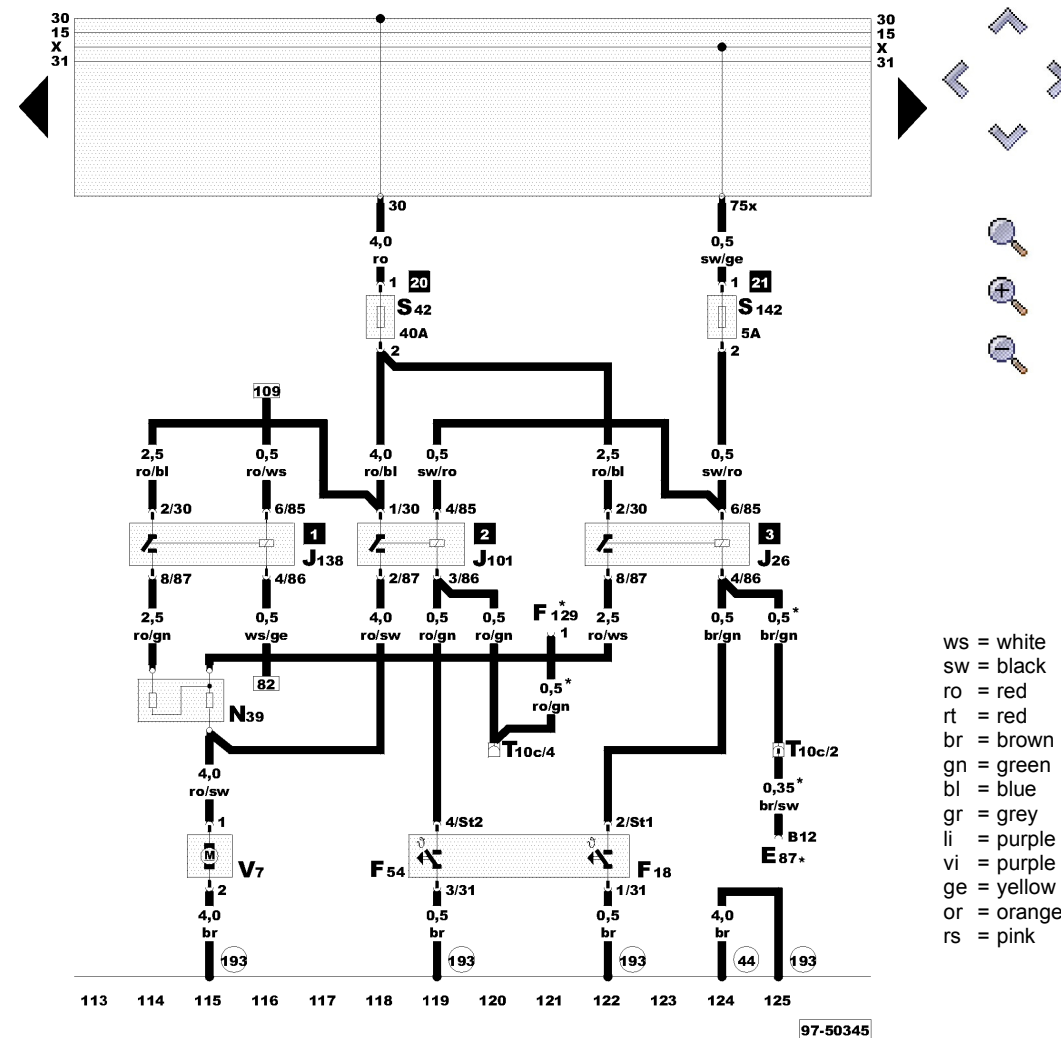
- J359 - Low heat output relay
- J360 - High heat output relay
- K - Diagnosis connection
- S109 - Additional heater fuse
- S143 - Additional heater fuse 2
- T10c - 10-pin connector, grey, connector point, A pillar, left
- T10n - 10-pin connector, orange, connector point, electronics box, plenum chamber
- T15u - 15-pin connector, red, connector point, electronics box, plenum chamber
- T16a - 16-pin connector, diagnosis connection
- Z35 - Additional heating heater element
- 44 - Earth point, lower part of left A-pillar
- 156 - Earth connection, in diesel direct injection wiring harness
- A32 - Positive (+) connection (30), in dash panel wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- A99 - Connection -1- (87), in dash panel wiring harness
- F32 - Connection (additional heater), in diesel direct injection system wiring harness
- \* - Models with cruise control system
- \*\* - Does not models with auxiliary heater

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## Current Flow Diagram

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## Engine cooling

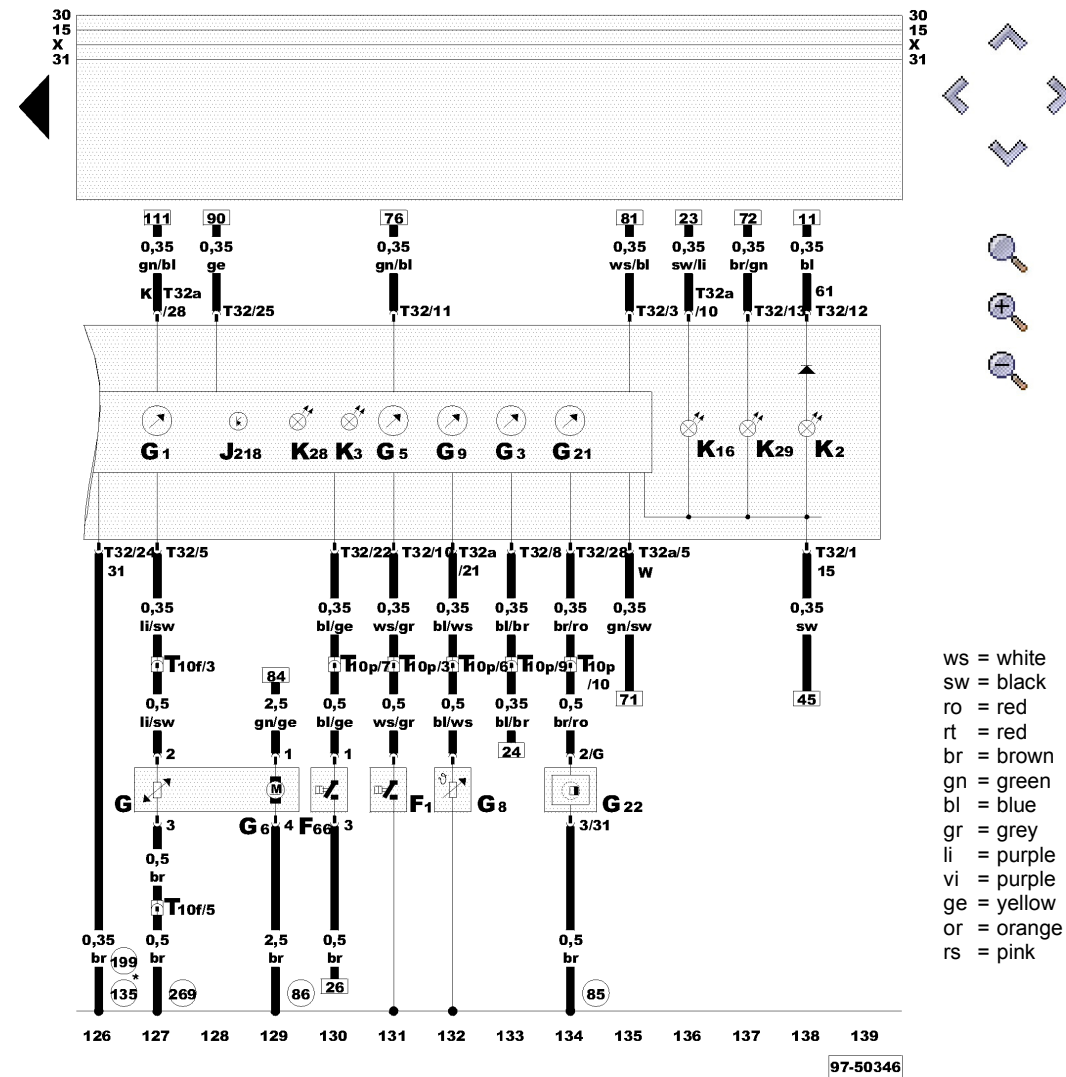
- E87 - Control and display unit for air conditioner
- F18 - Radiator fan thermo-switch
- F54 - Radiator fan thermo-switch
- F129 - Air conditioner pressure switch
- J26 - Radiator fan relay
- J101 - Radiator fan 2nd speed relay
- J138 - Radiator fan run-on control unit
- N39 - Radiator fan series resistor
- S42 - Radiator fan single fuse
- S142 - Radiator fan control unit fuse
- T10c - 10-pin connector, grey, connector point, A pillar, left
- V7 - Radiator fan
- 44 - Earth point, lower part of left A-pillar
- 193 - Earth connection -1-, in coolant fan wiring harness
- \* - Models with air conditioner

97-50345

## Audi A6

## Current Flow Diagram

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## Dash panel insert, fuel pump, fuel gauge, rev. counter, oil temperature gauge, speedometer, warning lamp

- F1 - Oil pressure switch
- F66 - Coolant shortage indicator switch
- G - Fuel gauge sender
- G1 - Fuel gauge
- G3 - Coolant temperature gauge
- G5 - Rev. counter
- G6 - Fuel pump (pre-supply pump)
- G8 - Oil temperature sender
- G9 - Oil temperature gauge
- G21 - Speedometer
- G22 - Speedometer sender (Hall sender, on gearbox)
- J218 - Combi-processor in dash panel insert
- K2 - Alternator warning lamp
- K3 - Oil pressure warning lamp
- K16 - Reserve fuel warning lamp
- K28 - Coolant temperature/coolant shortage warning lamp
- K29 - Glow period warning lamp
- T10f - 10-pin connector, brown, connector point, A pillar, left
- T10p - 10-pin connector, black, connector point, electronics box, plenum chamber
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- 85 - Earth connection -1-, in engine compartment wiring harness
- 86 - Earth connection -1-, in rear wiring harness
- 135 - Earth connection -2-, in dash panel wiring harness
- 199 - Earth connection -3-, in dash panel wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- \* - Both possible