

Audi A6

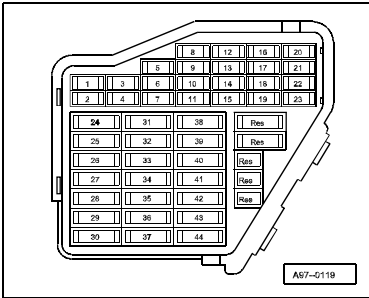
Current Flow Diagram

No. 14/1

2.5 litre turbo-diesel engine (114 kW / 132 kW - 6-cylinder), engine codes AYM / AKE

From model year 2002

Fuse box

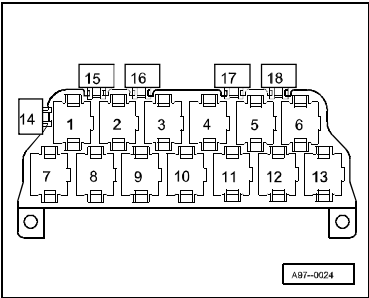


Fuse colours:

- 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.

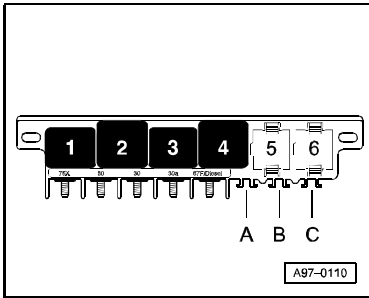
13-point relay carrier



Position of relays:

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

Micro-central electrics



Position of relays:

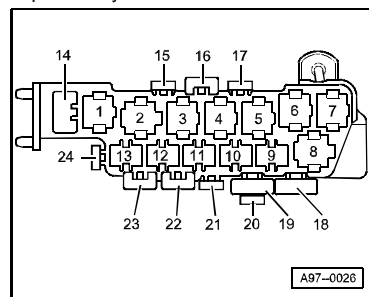
- 4** - Relay for glow plugs (J52)

## Audi A6

## Current Flow Diagram

No. 14/2

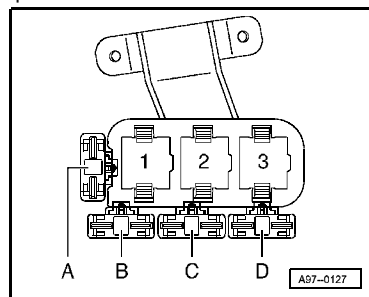
8-point relay carrier



Position of relays:

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

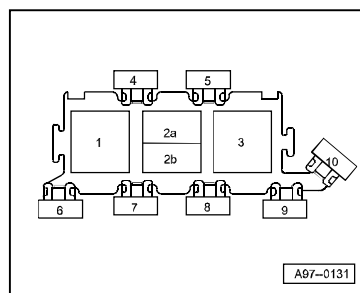
Relay carrier, driver's side, behind dash panel at central carrier



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)

3-point relay carrier in electronics box,



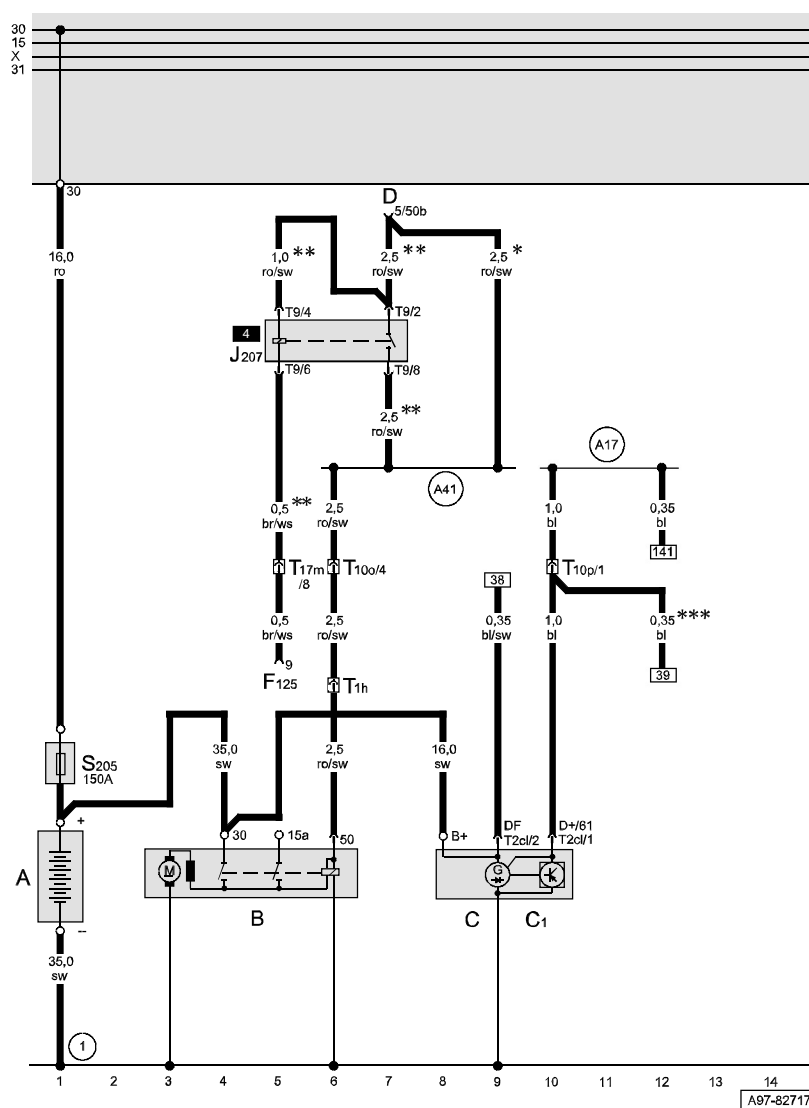
Position of relays:

- 2b** - Fuel cooling relay (J445)
- 3** - Diesel direct injection system relay (J322)
- 5** - Engine control unit fuse (S102)
- 7** - Fuse for glow plugs - engine (S39)
- 9** - Fuse 2 for glow plugs - engine (S125)
- 10** - Fuse for fuel cooling (S262)
- 1** - Fuse -1- (15) (S199) in electronics box, on housing

## Audi A6

## Current Flow Diagram

No. 14 / 2



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

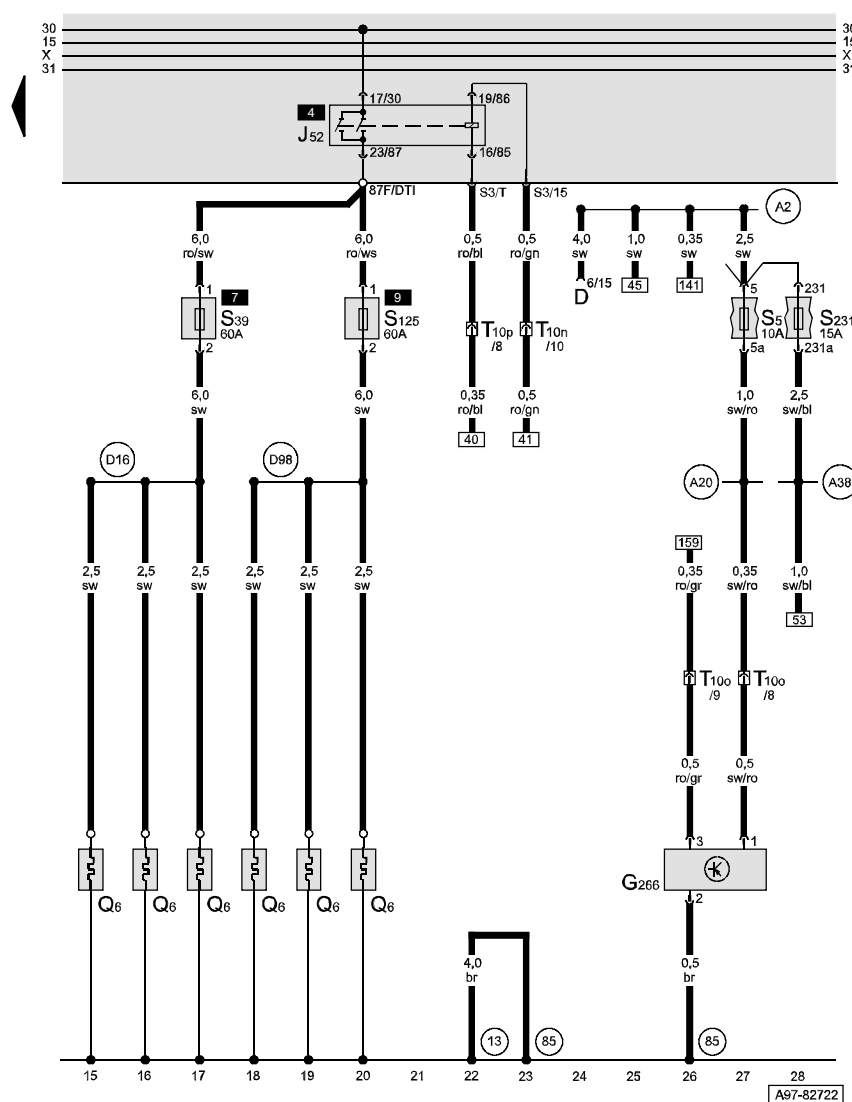
**Battery, starter, alternator, starter inhibitor relay**

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F125 - Multi-function switch
- J207 - Starter inhibitor relay
- S205 - Fuse -2- (30)
- T1h - Single connector, black, in engine compartment, right
- T2cl - 2-pin connector, black, on alternator
- 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
- T17m - 17-pin connector, blue, connector point, A pillar, right
- 1 - Earth strap, battery - body
- 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 01V
- \*\*\* - Does not apply to allroad models

## Audi A6

## Current Flow Diagram

No. 14 / 3



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

## Glow plugs, relay for glow plugs

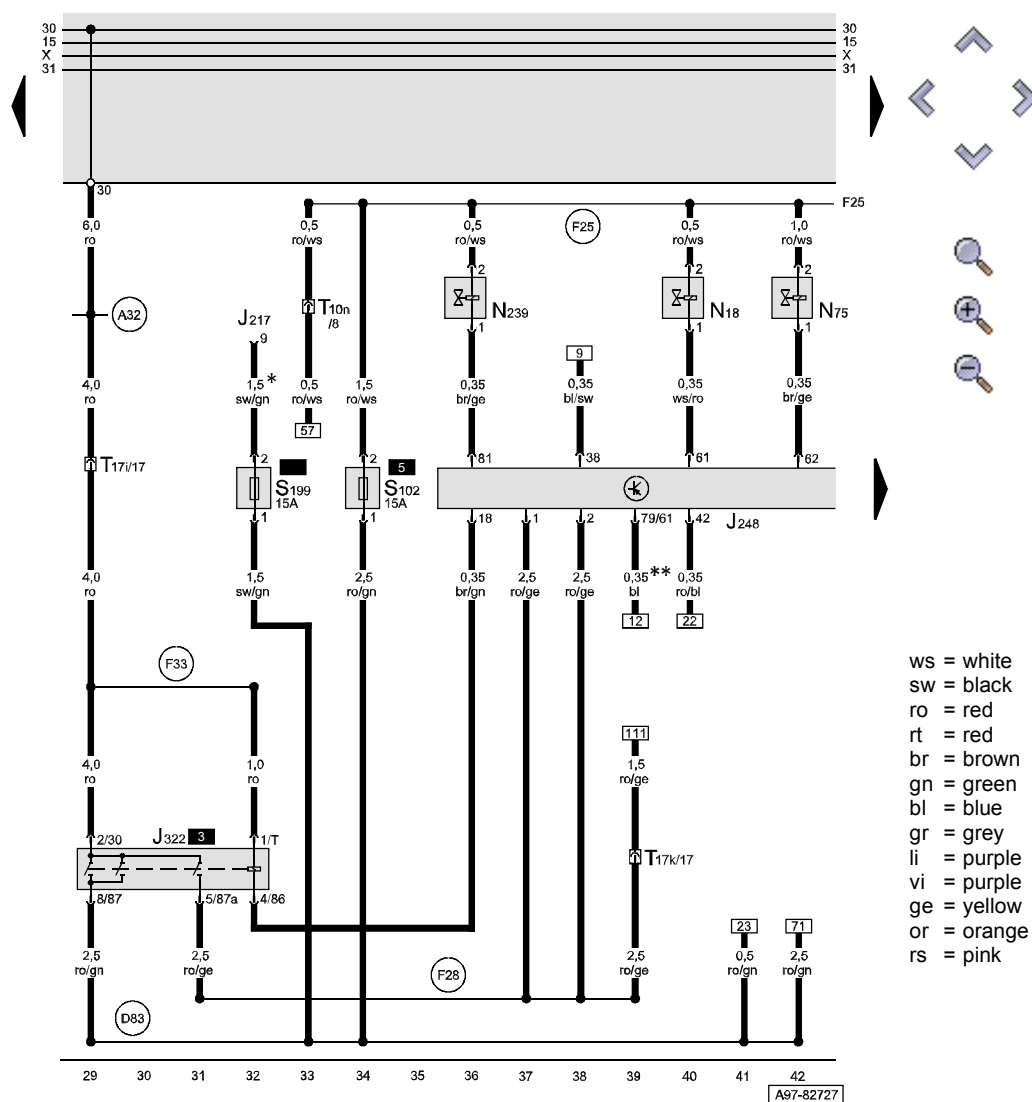
- D - Ignition/starter switch
- G266 - Oil level thermo sender, service interval
- J52 - Glow plug relay
- Q6 - Glow plugs - engine
- S5 - Fuse in fuse box
- S39 - Fuse for glow plugs - engine
- S125 - Fuse 2 for glow plugs - engine
- S231 - Fuse 31 in fuse box
- T10n - 10-pin connector, orange, connector 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
- 13 - Earth point, in engine compartment, right
- 85 - Earth connection -1-, in engine compartment wiring harness
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A20 - Connection (15a), in dash panel wiring harness
- A38 - Positive (+) connection -2- (15a), in dash panel wiring harness
- D16 - Connection (glow plugs), in front right wiring harness
- D98 - Connection (glow plugs), in engine compartment wiring harness

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## Audi A6

## Current Flow Diagram

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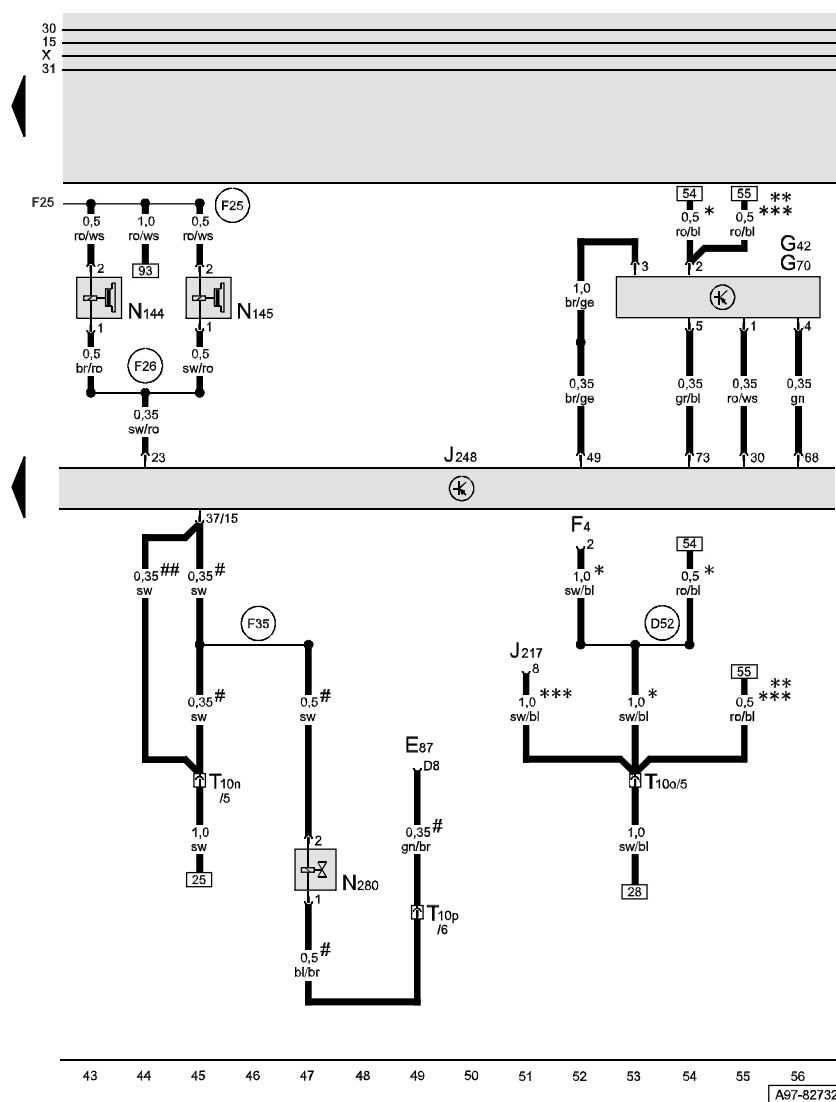
**Diesel direct injection system control unit, diesel direct injection system relay**

- J217 - Automatic gearbox control unit
- J248 - Diesel direct injection system control unit
- J322 - Diesel direct injection system relay
- N18 - Exhaust gas recirculation valve
- N75 - Charge pressure control solenoid valve
- N239 - Intake manifold flap change-over valve
- S102 - Engine control unit fuse
- S199 - Fuse -1- (15), in electronics box, on housing
- T10n - 10-pin connector, orange, connector point, electronics box, plenum chamber
- T17i - 17-pin connector, white, connector point, electronics box, plenum chamber
- T17k - 17-pin connector, red, connector point, electronics box, plenum chamber
- A32 - Positive (+) connection (30), in dash panel wiring harness
- D83 - Connection (87), in engine compartment wiring harness
- F25 - Connection -1-, in diesel direct injection system wiring harness
- F28 - Connection -3-, in diesel direct injection system wiring harness
- F33 - Positive (+) connection (30), in diesel direct injection system wiring harness
- \* - Models with automatic gearbox
- \*\* - Does not apply to allroad models

## Audi A6

## Current Flow Diagram

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**Diesel direct injection system control unit, air mass meter, electro/hydraulic engine mounting solenoid valves**

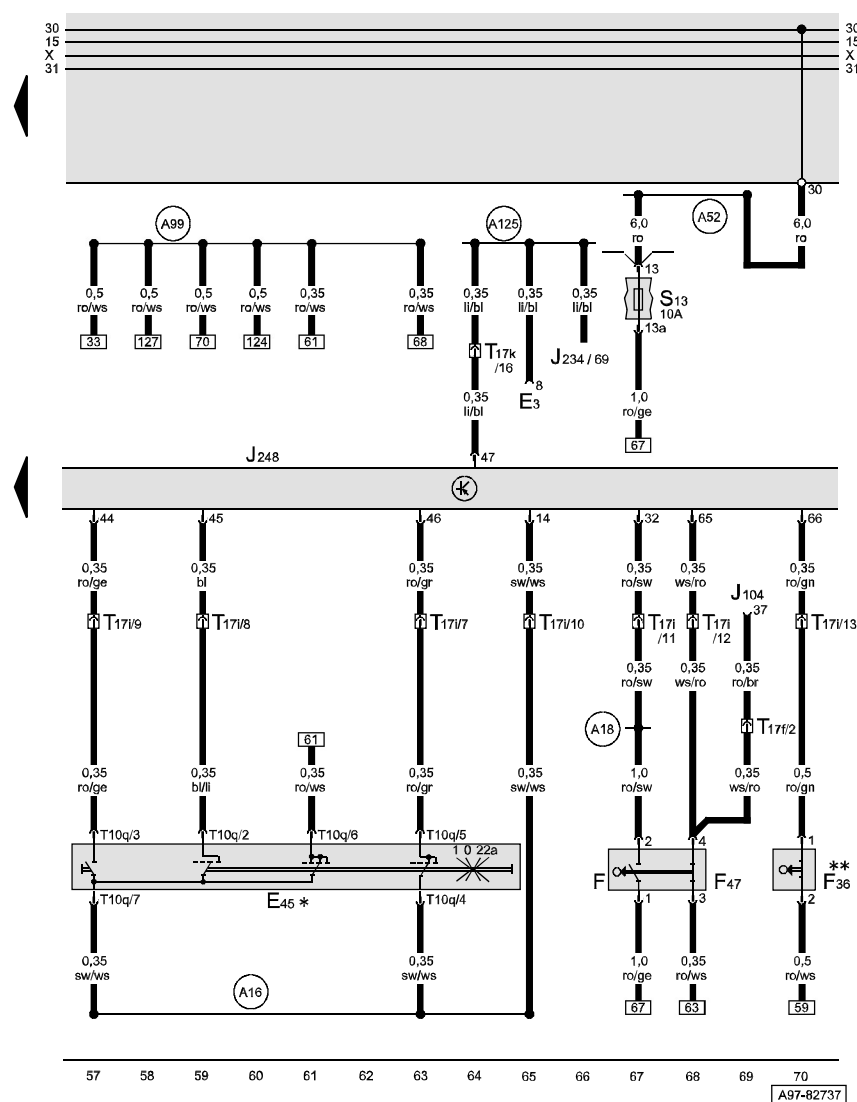
- E87 - Control and display unit for air conditioner
- F4 - Reversing light switch
- G42 - Intake air temperature sender
- G70 - Air mass meter
- J217 - Automatic gearbox control unit
- J248 - Diesel direct injection system control unit
- N144 - Electro/hydraulic engine mounting solenoid valve, left
- N145 - Electro/hydraulic engine mounting solenoid valve, right
- N280 - Compressor regulating valve, air conditioning system
- 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
- D52 - Positive (+) connection (15a), 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
- F35 - Connection -4-, in diesel direct injection system wiring harness
- \* - Models with manual gearbox
- \*\* - Models with automatic gearbox 01V
- \*\*\* - Models with automatic gearbox: multitronic® 01J
- # - Does not apply to allroad models
- ## - Applies to allroad models only

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

## Audi A6

## Current Flow Diagram

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### Diesel direct injection system control unit, cruise control system switch, brake light switch

- E3 - Hazard warning light switch
- E45 - Cruise control system switch
- F - Brake light switch
- F36 - Clutch pedal switch
- F47 - Cruise control system brake pedal switch (diesel direct injection system)
- J104 - ABS with EDL control unit
- J234 - Airbag control unit
- J248 - Diesel direct injection system control unit
- S13 - Fuse in fuse box
- T10q - 10-pin connector, black, on cruise control system switch
- T17f - 17-pin connector, black, in 8-point relay carrier, behind driver's storage compartment
- T17i - 17-pin connector, white, connector point, electronics box, plenum chamber
- T17k - 17-pin connector, red, connector point, electronics box, plenum chamber
- A16 - Connection (cruise control system), in dash panel wiring harness
- A18 - Connection (54), in dash panel wiring harness
- A52 - Positive (+) connection 2 (30), in dash panel wiring harness
- A99 - Connection -1- (87), in dash panel wiring harness
- A125 - Connection (crash signal), in dash panel wiring harness
- \* - Models with cruise control system
- \*\* - Models with manual gearbox

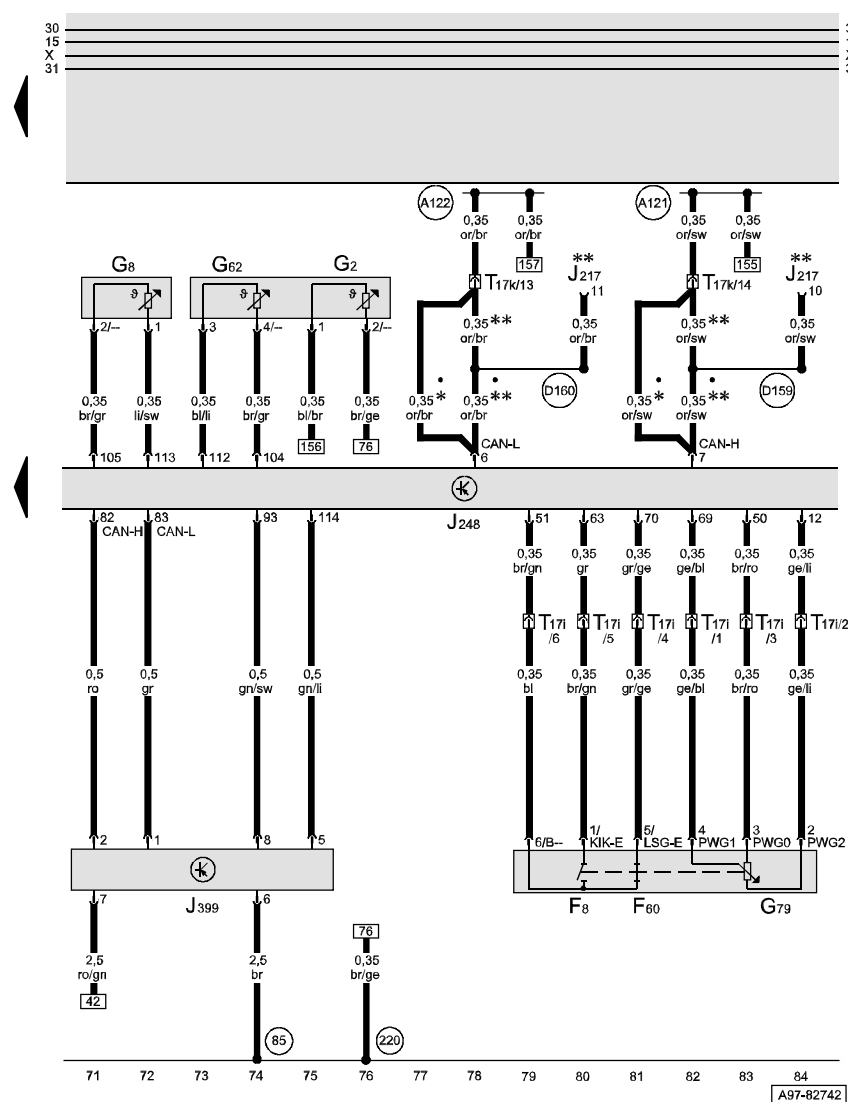
ws = white  
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 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
 ge = yellow  
 or = orange  
 rs = pink

A97-82737

## Audi A6

## Current Flow Diagram

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### Diesel direct injection system control unit, coolant temperature senders, oil temperature sender, accelerator pedal position sender, injection pump control unit

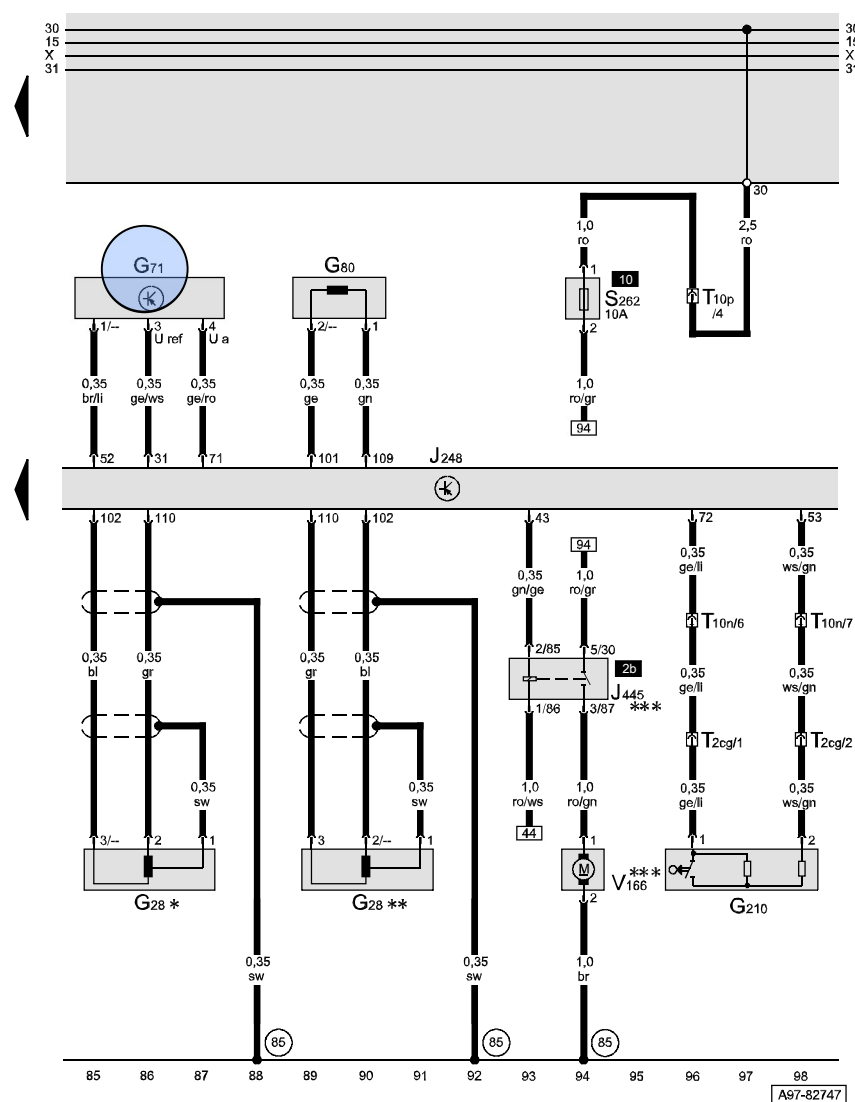
- F8 - Kick-down switch
- F60 - Idling switch
- G2 - Coolant temperature sender
- G8 - Oil temperature sender
- G62 - Coolant temperature sender
- G79 - Accelerator pedal position sender
- J217 - Automatic gearbox control unit
- J248 - Diesel direct injection system control unit
- J399 - Injection pump control unit
- T17i - 17-pin connector, white, connector point, electronics box, plenum chamber
- T17k - 17-pin connector, red, connector point, electronics box, 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
- D159 - Positive (+) connection (high bus), in engine compartment wiring harness
- D160 - Positive (+) connection (low bus), in engine compartment wiring harness
- - CAN bus (data wire)
- \* - Models with manual gearbox and automatic gearbox 01V
- \*\* - Models with automatic gearbox: multitronic® 01J



## Audi A6

## Current Flow Diagram

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### Diesel direct injection system control unit, engine speed sender, intake manifold pressure sender, fuel cooling pump relay, low fuel level sender

- G28 - Engine speed sender
- G71** - Intake manifold pressure sender
- G80 - Needle lift sender
- G210 - Low fuel level sender
- J248 - Diesel direct injection system control unit
- J445 - Fuel cooling pump relay
- S262 - Fuel cooling pump fuse
- T2cg - 2-pin connector, brown, connector point, A pillar, right
- T10n - 10-pin connector, orange, connector point, electronics box, plenum chamber
- T10p - 10-pin connector, black, connector point, electronics box, plenum chamber
- V166 - Fuel cooling pump
- 85 - Earth connection -1-, in engine compartment wiring harness
- \* - Models with manual gearbox and automatic gearbox 01J
- \*\* - Models with automatic gearbox 01V
- \*\*\* - Applies to allroad models only

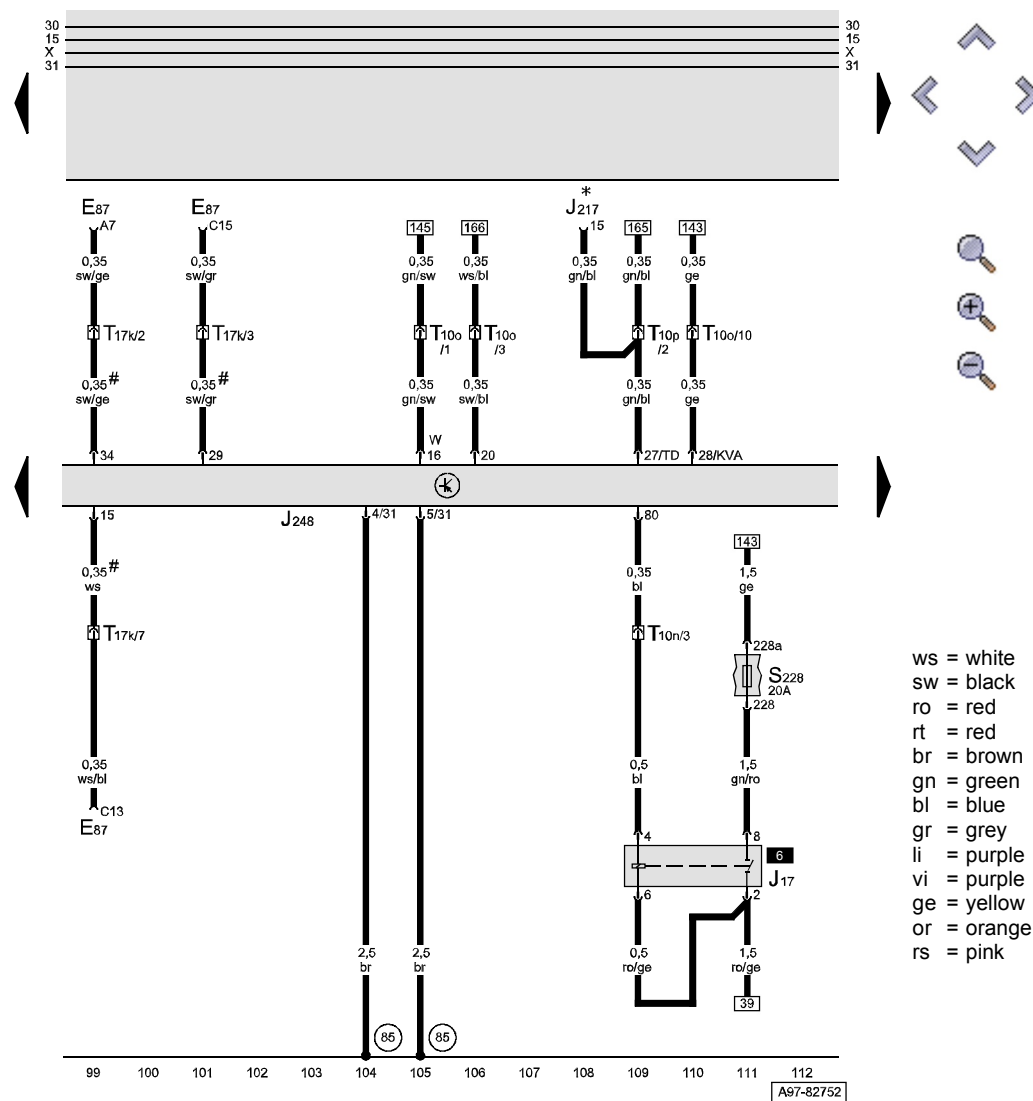
ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
 ge = yellow  
 or = orange  
 rs = pink

A97-82747

## Audi A6

## Current Flow Diagram

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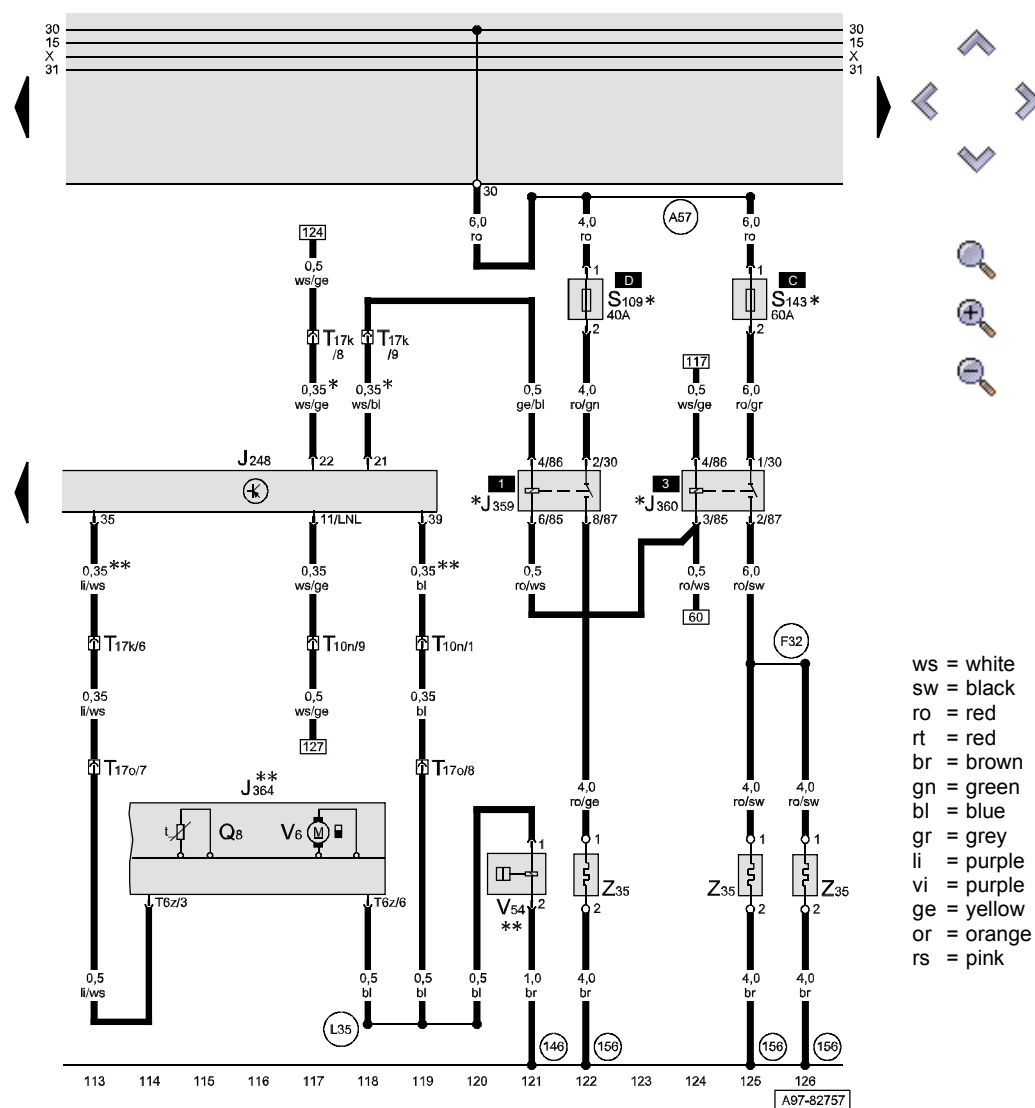
**Diesel direct injection system control unit**

- E87 - Control and display unit for air conditioner
- J17 - Fuel pump relay
- J217 - Automatic gearbox control unit
- J248 - Diesel direct injection system control unit
- S228 - Fuse 28 in fuse box
- 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
- T17k - 17-pin connector, red, connector point, electronics box, plenum chamber
- 85 - Earth connection -1-, in engine compartment wiring harness
- \* - Models with automatic gearbox: multitronic® 01J
- # - Applies to allroad models only

## Audi A6

## Current Flow Diagram

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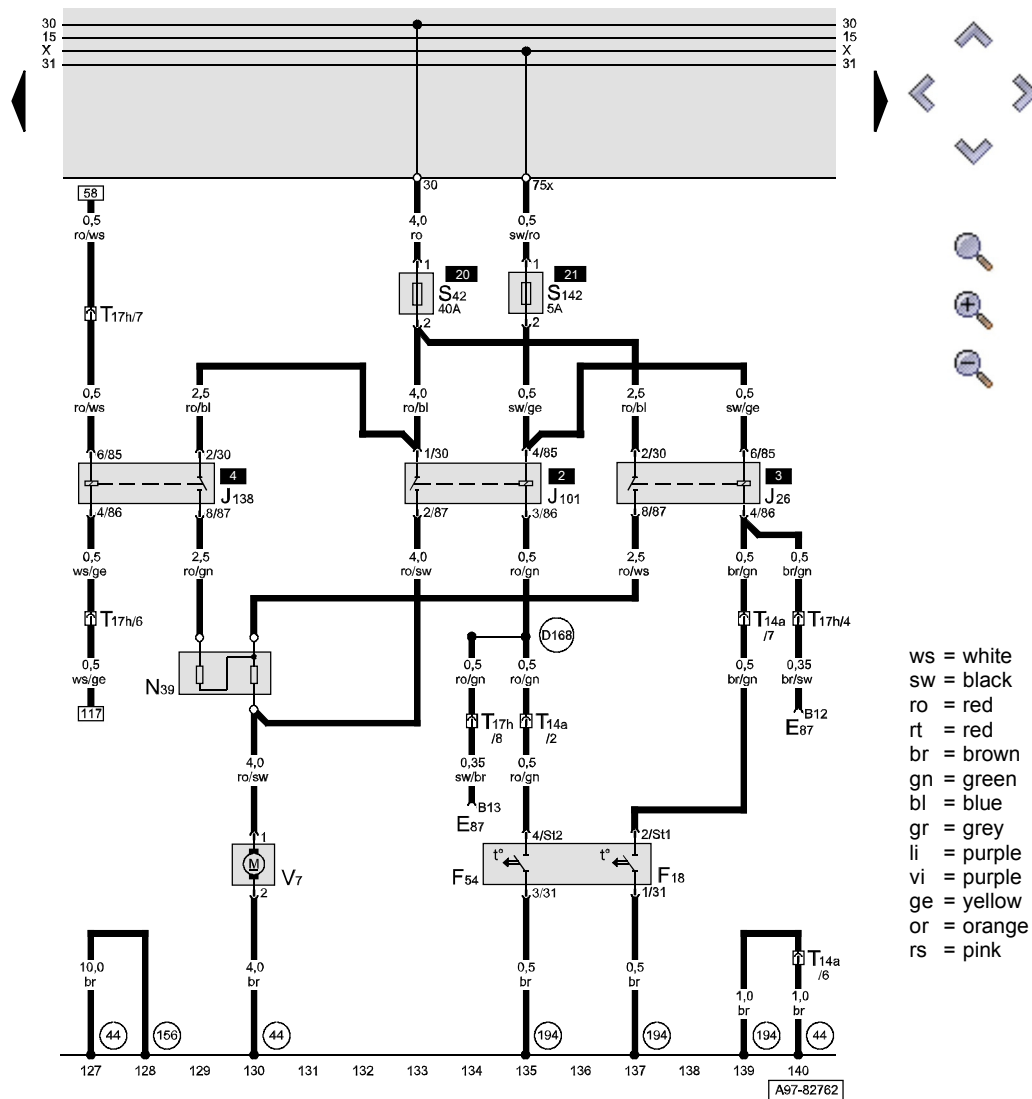
## Additional heater

- J248 - Diesel direct injection system control unit
- J359 - Low heat output relay
- J360 - High heat output relay
- J364 - Additional heater control unit
- Q8 - Glow plug with flame monitor
- S109 - Additional heater fuse
- S143 - Additional heater fuse 2
- T6z - 6-pin connector, on auxiliary heater control unit
- T10n - 10-pin connector, orange, connector point, electronics box, plenum chamber
- T17k - 17-pin connector, red, connector point, electronics box, plenum chamber
- T17o - 17-pin connector, white, connector point, A pillar, left
- V6 - Combustion air blower
- V54 - Metering pump
- Z35 - Additional heating heater element
- 146 - Earth connection -1-, in auxiliary heater wiring harness
- 156 - Earth connection, in diesel direct injection wiring harness
- A57 - Connection (30), in dash panel wiring harness
- F32 - Connection (additional heater), in diesel direct injection system wiring harness
- L35 - Connection -3-, in heater wiring harness
- \* - Does not apply to models with auxiliary heater
- \*\* - Models with auxiliary heater

## Audi A6

## Current Flow Diagram

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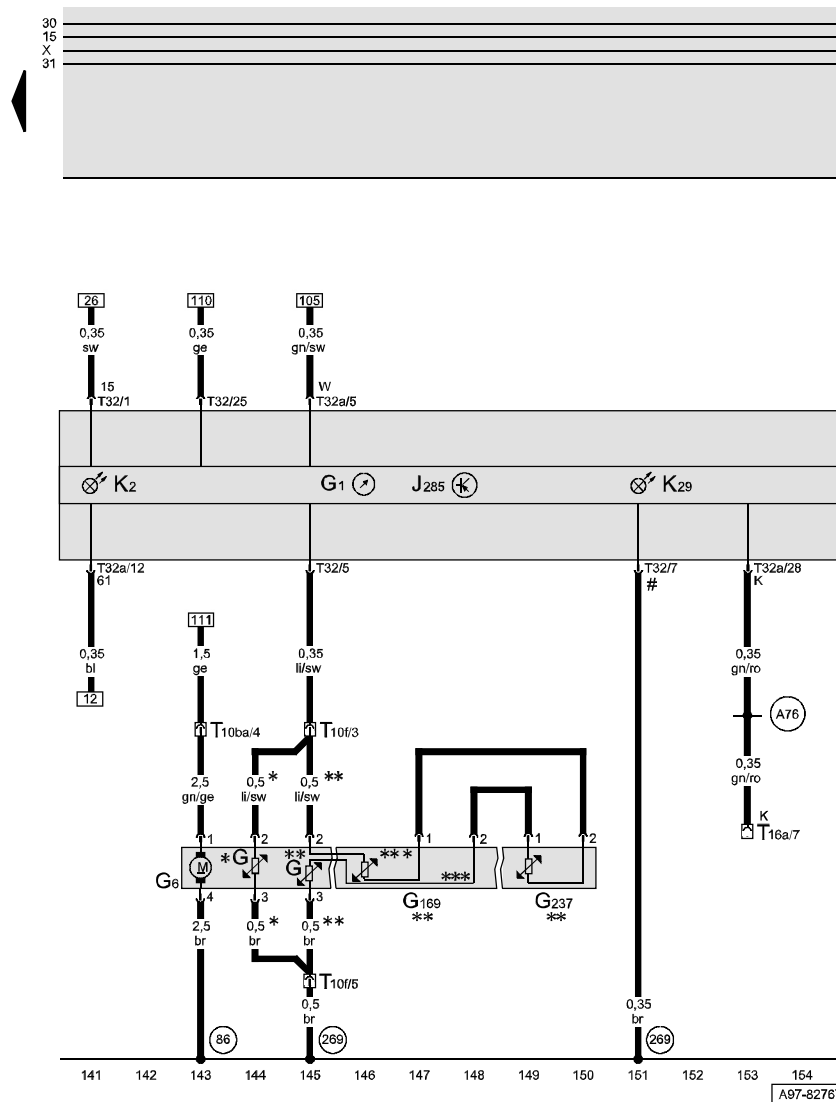
## Engine cooling

- E87 - Control and display unit for air conditioner
- F18 - Radiator fan thermo-switch
- F54 - Radiator fan thermo-switch
- J26 - Radiator fan relay
- J101 - Radiator fan 2nd speed relay
- J138 - Radiator fan run-on relay
- N39 - Radiator fan series resistor
- S42 - Radiator fan single fuse
- S142 - Radiator fan control unit fuse
- T14a - 14-pin connector, black, in engine compartment, front left
- T17h - 17-pin connector, brown, connector point, A pillar, left
- V7 - Radiator fan
- 44 - Earth point, lower part of left A pillar
- 156 - Earth connection, in diesel direct injection wiring harness
- 194 - Earth connection -2-, in radiator fan wiring harness
- D168 - Connection (radiator fan stage II), in engine compartment wiring harness

## Audi A6

## Current Flow Diagram

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## Dash panel insert, fuel gauge senders

- G - Fuel gauge sender
- G1 - Fuel gauge
- G6 - Fuel pump (pre-supply pump)
- G169 - Fuel gauge sender 2
- G237 - Fuel gauge sender 3
- J285 - Control unit with display in dash panel insert
- K2 - Alternator warning lamp
- K29 - Glow period warning lamp
- T10f - 10-pin connector, brown, connector point, A pillar, left
- T10ba - 10-pin connector, blue, connector point, A pillar, left
- T16a - 16-pin connector, diagnosis connection
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- 86 - Earth connection -1-, in rear wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- \* - Models with front-wheel drive
- \*\* - Models with four-wheel drive
- \*\*\* - Wiring in fuel tank
- # - Sender earth output

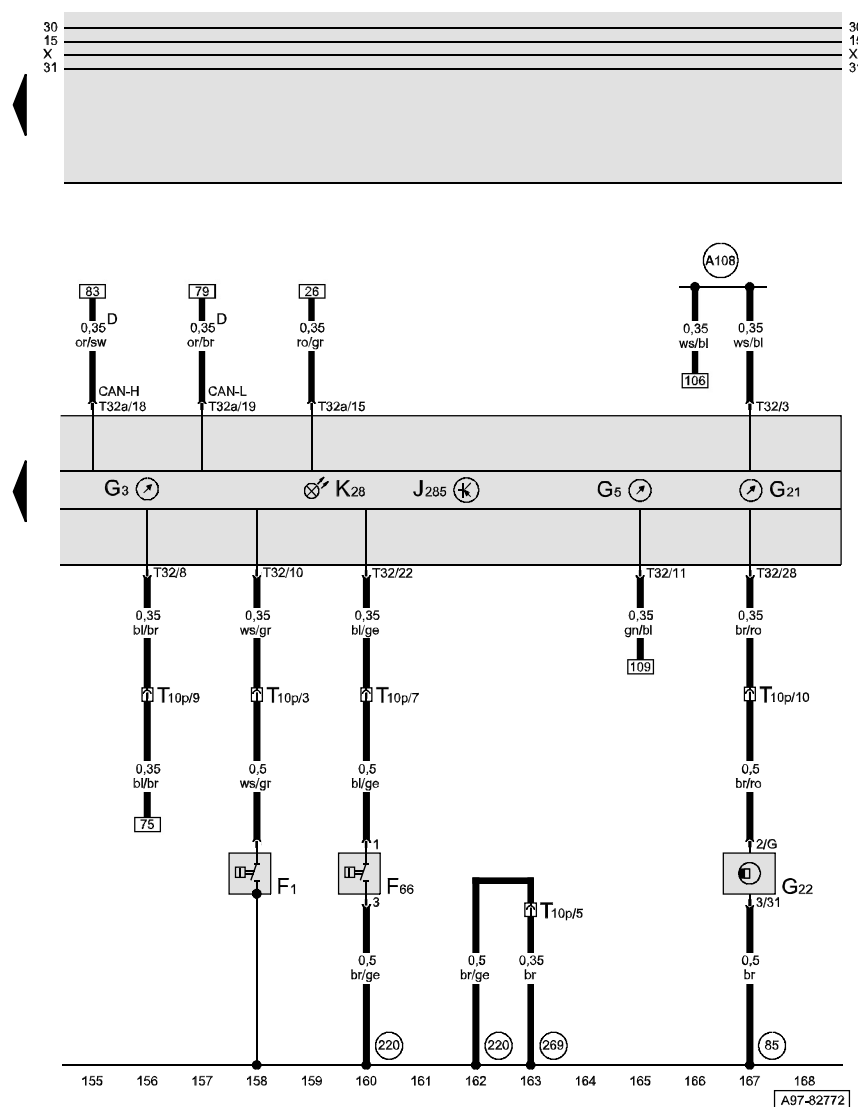
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 vi = purple  
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 or = orange  
 rs = pink

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## Audi A6

## Current Flow Diagram

No. 14 / 13



## Dash panel insert, speedometer sender, oil pressure switch

- F1 - Oil pressure switch
- F66 - Coolant shortage indicator switch
- G3 - Coolant temperature gauge
- G5 - Rev. counter
- G21 - Speedometer
- G22 - Speedometer sender (Hall sender, on gearbox)
- J285 - Control unit with display in dash panel insert
- K28 - Coolant temperature/coolant shortage warning lamp
- 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
- 220 - Earth connection (sender earth), in engine wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- A108 - Connection (speed signal), in dash panel wiring harness
- - CAN bus (data wire)