

## Audi A4

### Current Flow Diagram

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Edition 05.2003

#### **2.5 litre turbo-diesel engine (120 kW - 6-cylinder), engine code BFC**

From model year 2003

#### **2.5 litre turbo-diesel engine (132 kW - 6-cylinder), engine code AKE**

From model year 2003

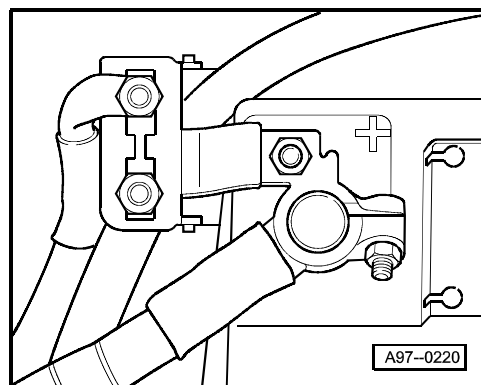
#### **2.5 litre turbo-diesel engine (120 kW - 6-cylinder), engine code BCZ**

From model year 2003

#### **2.5 litre turbo-diesel engine (132 kW - 6-cylinder), engine code BAU**

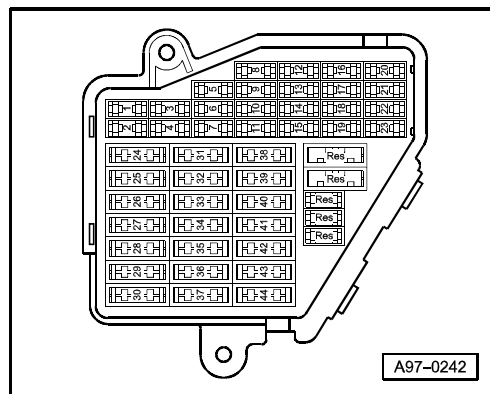
From model year 2004

#### **Main fuse**



♦ On battery

#### **Fuse box**



♦ Dash panel, driver's side

Fuse colours

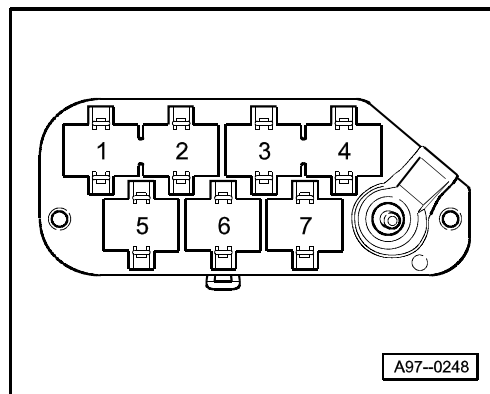
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige



**Note:**

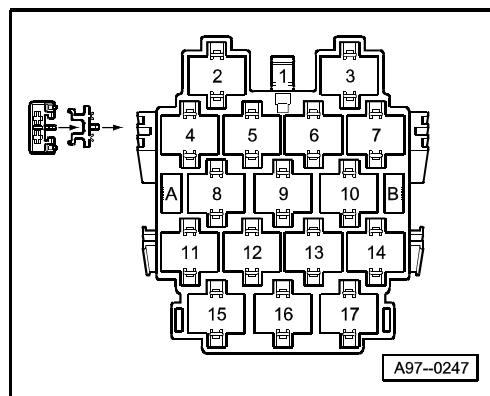
*From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

**Connector point with screw connection**



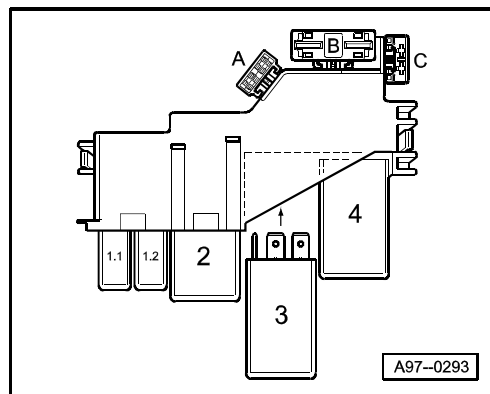
- ♦ In electronics box, plenum chamber
  - 1 - 10-pin connector, black (T10)
  - 2 - 10-pin connector, brown (T10a)
  - 3 - 17-pin connector, red (T17d)
  - 6 - 17-pin connector, white (T17e)

#### Connector point, A pillar



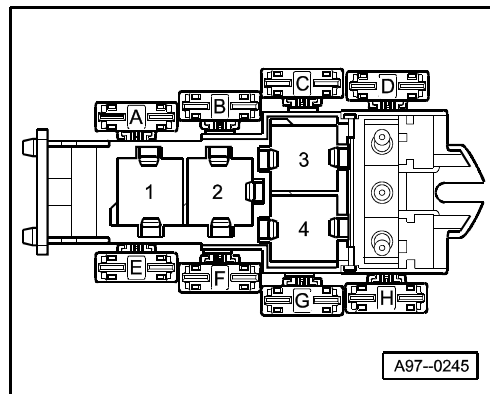
- ♦ On left-hand side, bottom, behind side trim
  - 14 - 10-pin connector, grey (T10d)

#### 4-point relay carrier



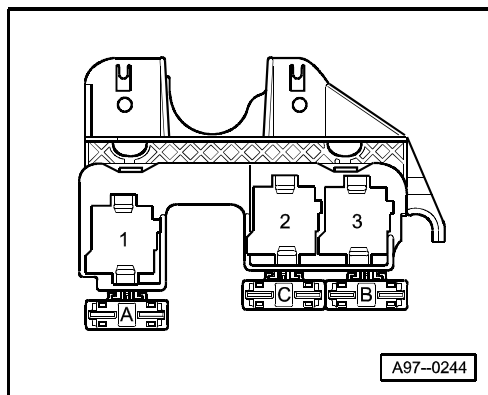
- ♦ In electronics box, plenum chamber
- 1.2 - Fuel pump relay (J17)
- 2 - Relay for glow plugs (J52)
- 3 - Terminal 30 voltage supply relay (J317)
- 4 - Starter inhibitor and reversing light relay (J226)
- A - Engine control unit fuse (S102)
- B - Strip fuse for glow plugs (engine) (S39)
- C - Automatic gearbox fuse (for ATF pump run-on) (S286)
- D - Fuse -2- for glow plugs (S189)
- E - Fan for control unit (V274)
- F - Fuse -2- for glow plugs (S189)

#### 4-point relay carrier with screw connection



- ◆ Dash panel, driver's side

### 3-point relay carrier



- ◆ Dash panel, driver's side
  - 2 - High heat output relay (J360)
  - 3 - Low heat output relay (J359)
  - B - Additional heater fuse (S126)
  - C - Additional heater fuse -2- (S328)

### Fuse colours

- 40 A - orange
- 60 A - light blue



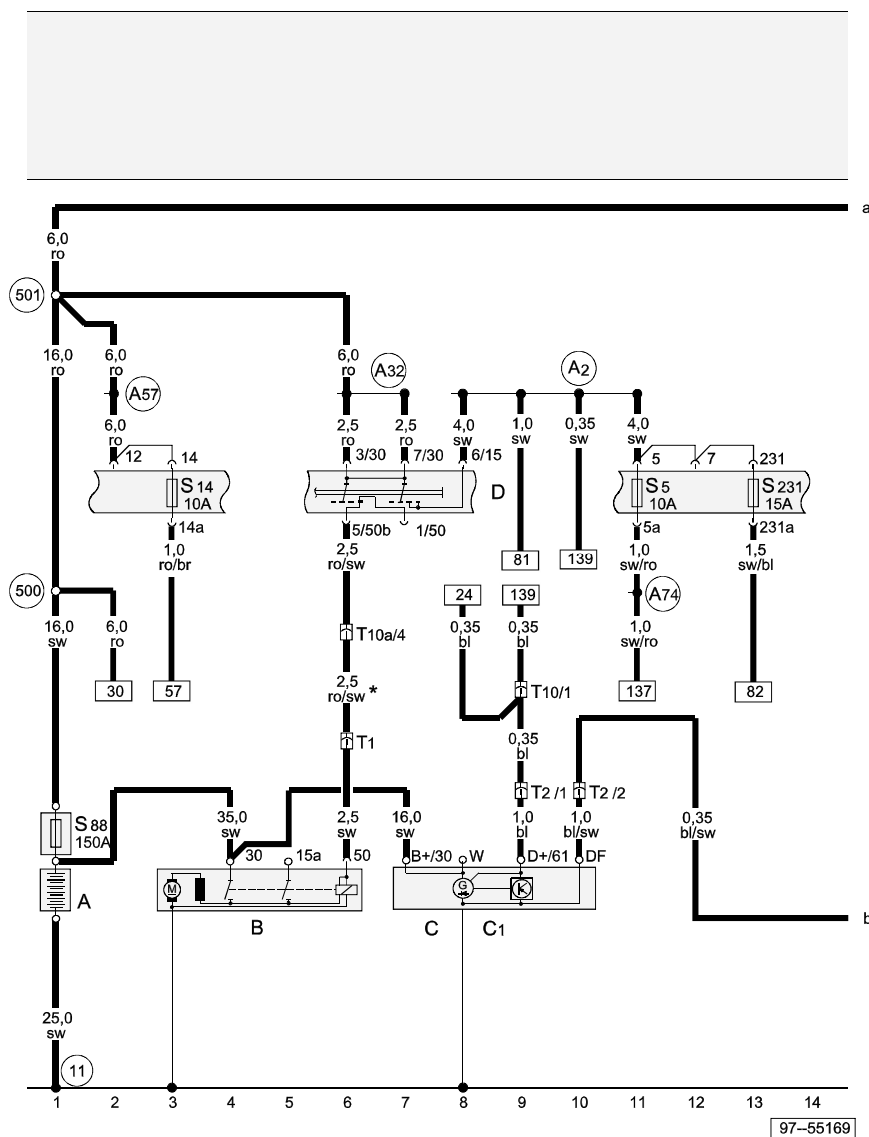
### Note:

*Item 1 in relay carrier is not used.*

## Audi A4

## Current Flow Diagram









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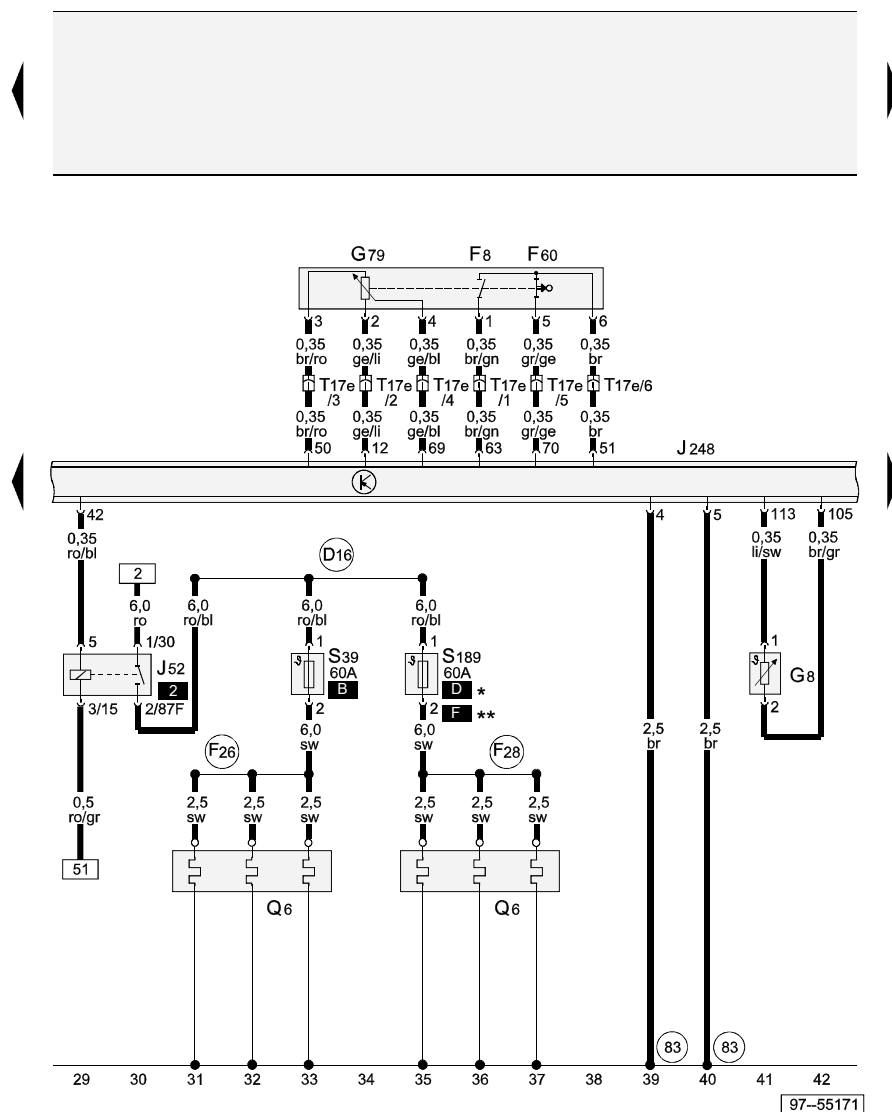
- J17 - Fuel pump relay 
- J217 - Automatic gearbox control unit 
- J248 - Diesel direct injection system control unit 
- J317 - Terminal 30 voltage supply relay 
- S126 - Additional heater fuse 
- S228 - Fuse in fuse box 
- S328 - Additional heater fuse -2- 
- T17e - 17-pin connector, white, connector point, electronics box, plenum chamber
- 12 - Earth point, in engine compartment, left 
- 83 - Earth connection -1-, in front right wiring harness
- A98 - Positive (+) connection -4- (30), in dash panel wiring harness
- D34 - Connection (87), in front right wiring harness
- F33 - Positive (+) connection (30), in diesel direct injection system wiring harness
- \* - Only applies to models with additional heater (air)
- \*\* - Only applies to models with five-speed automatic gearbox (AG5)

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 A4

## Current Flow Diagram

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### Diesel direct injection system control unit, accelerator pedal position sender, glow plugs - (engine)

- F8 - Kick-down switch
- F60 - Idling switch
- G8 - Oil temperature sender
- G79 - Accelerator pedal position sender
- J52 - Glow plug relay
- J248 - Diesel direct injection system control unit
- Q6 - Glow plugs - (engine)
- S39 - Strip fuse for glow plugs - engine
- S189 - Fuse -2- for glow plugs
- T17e - 17-pin connector, white, connector point, electronics box, plenum chamber
- 83 - Earth connection -1-, in front right wiring harness
- D16 - Connection (glow plugs), in front right wiring harness
- F26 - Connection -2-, in diesel direct injection system wiring harness
- F28 - Connection -3-, in diesel direct injection system wiring harness
- \* - Only models with manual gearbox or automatic gearbox (multitronic 01J), phased-in modification
- \*\* - Only applies to models with five-speed automatic gearbox (AG5)

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

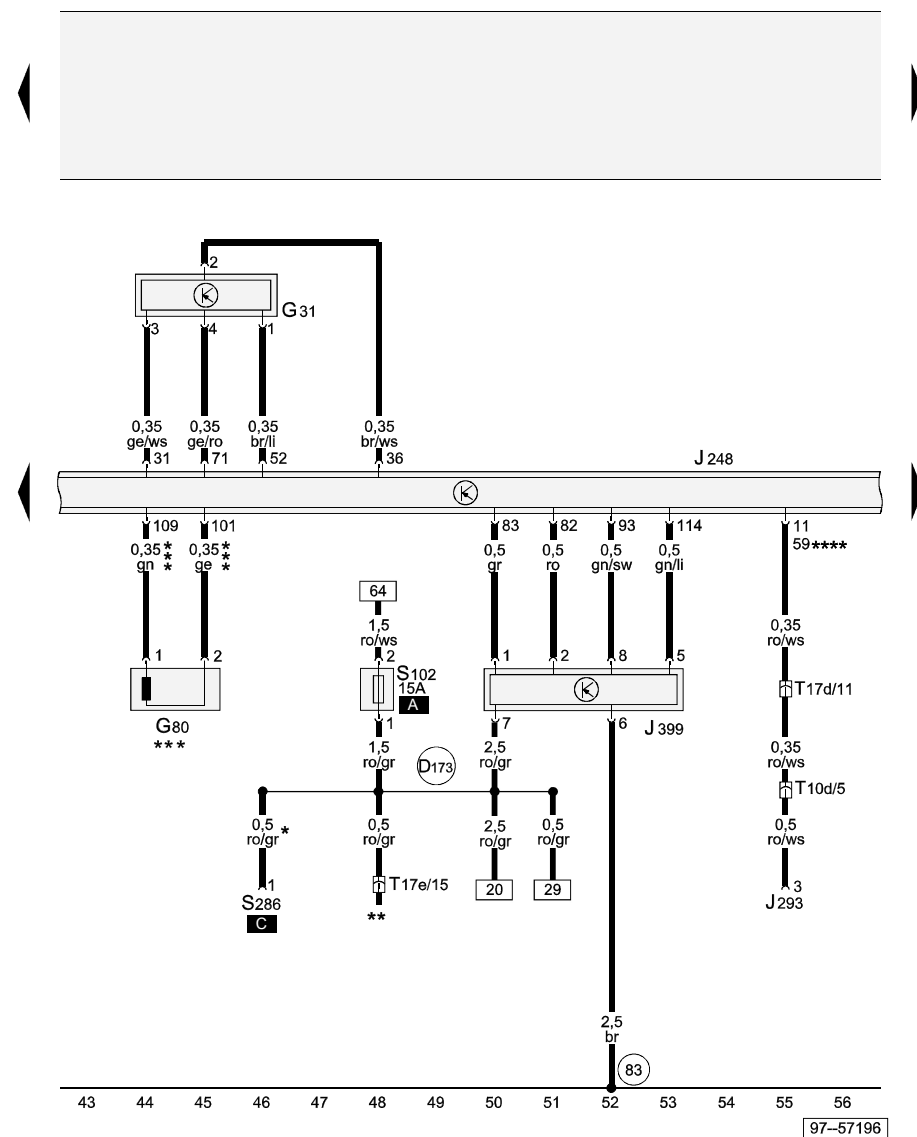
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## Audi A4

## Current Flow Diagram

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### Diesel direct injection system control unit, charge air pressure sender, needle lift sender, injection pump control unit

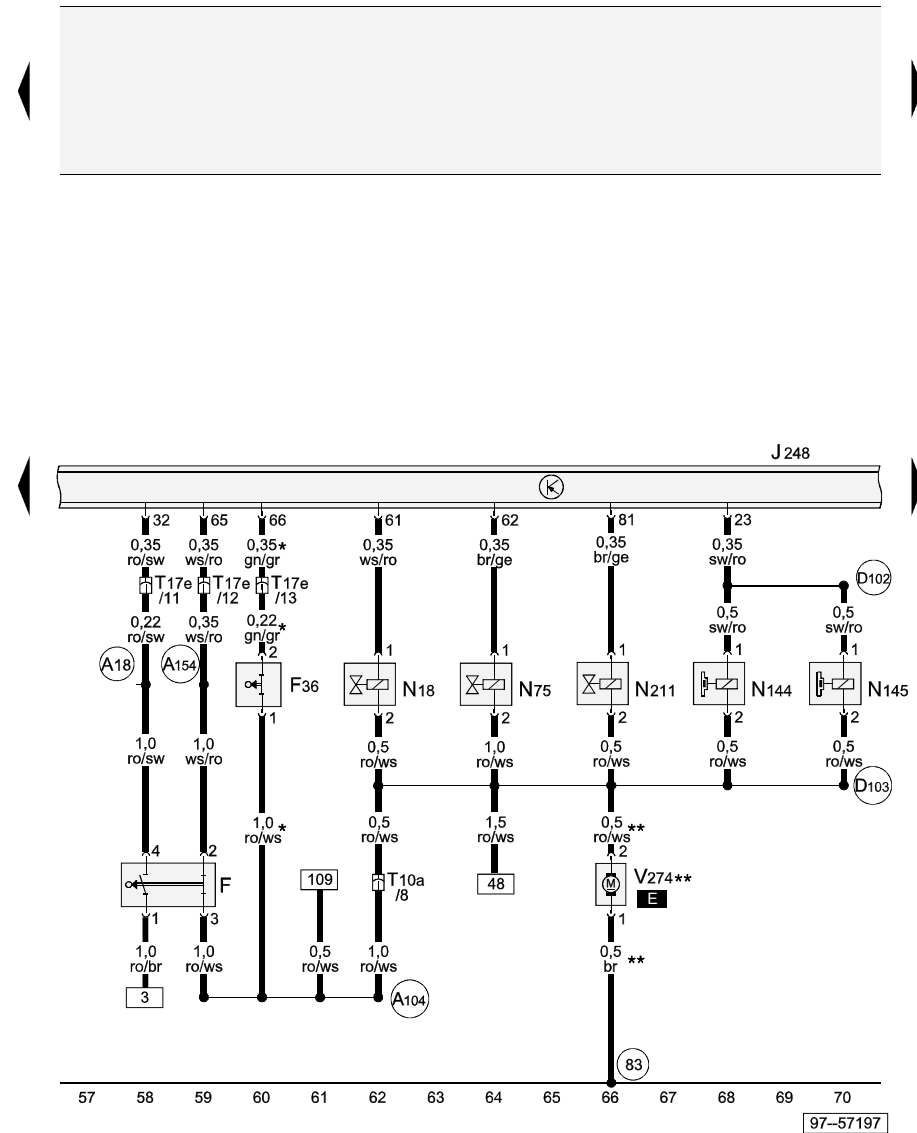
- G31 - Charge air pressure sender
- G80 - Needle lift sender
- J248 - Diesel direct injection system control unit
- J293 - Radiator fan control unit
- J399 - Injection pump control unit
- S102 - Engine control unit fuse
- S286 - Automatic gearbox fuse (for ATF pump run-on)
- T10d - 10-pin connector, grey, connector point, A pillar, left
- T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
- T17e - 17-pin connector, white, connector point, electronics box, plenum chamber
- 83 - Earth connection -1-, in front right wiring harness
- D173 - Connection (87), in engine wiring harness
- \* - Only applies to models with automatic gearbox (multitronic 01J)
- \*\* - See applicable Current Flow Diagram: Radiator fan control
- \*\*\* - Only applies to engine code BAU
- \*\*\*\* - From model year 2004 onwards

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 A4

## Current Flow Diagram

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**Exhaust gas recirculation valve, charge pressure control solenoid valve, electro/hydraulic engine mounting solenoid valves, throttle butterfly valve**

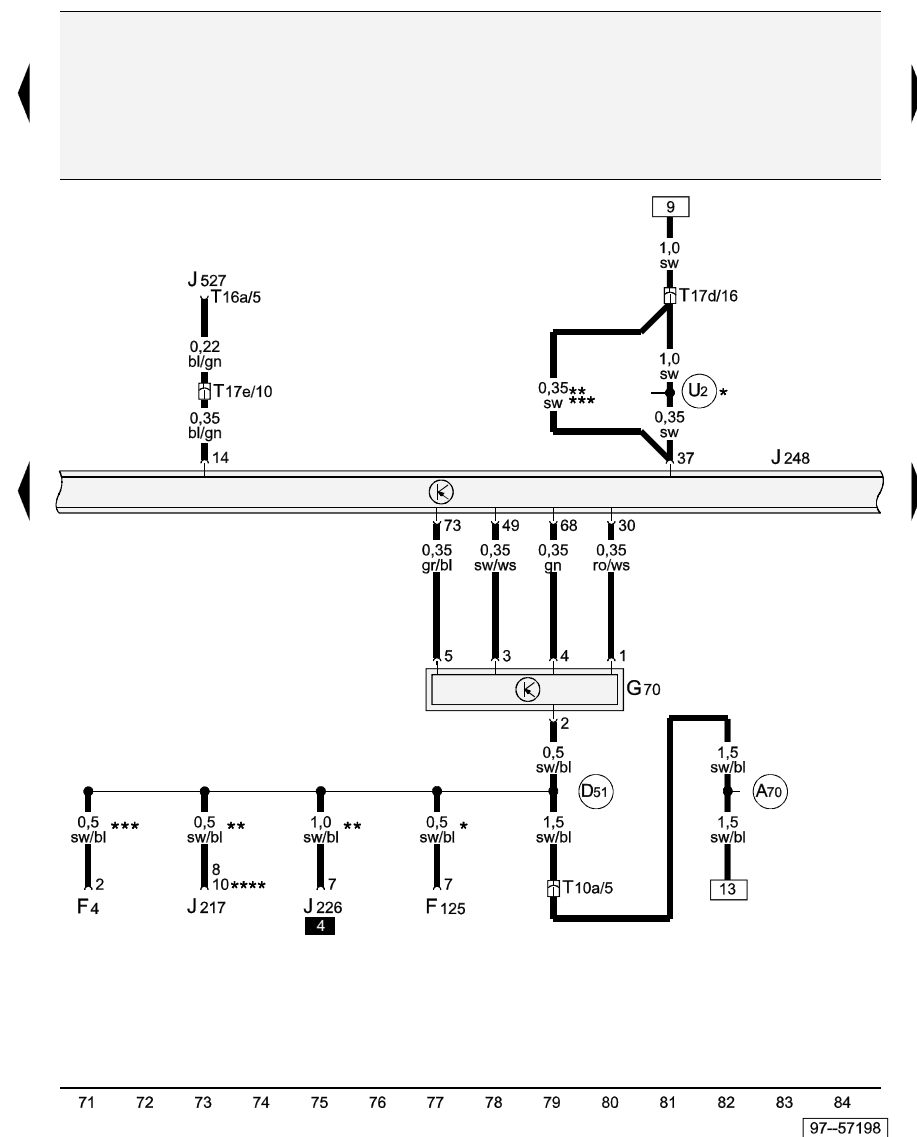
- F - Brake light switch
- F36 - Clutch pedal switch
- J248 - Diesel direct injection system control unit
- N18 - Exhaust gas recirculation valve
- N75 - Charge pressure control solenoid valve
- N144 - Electro/hydraulic engine mounting solenoid valve, left
- N145 - Electro/hydraulic engine mounting solenoid valve, right
- N211 - Throttle butterfly valve
- T10a - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T17e - 17-pin connector, white, connector point, electronics box, plenum chamber
- V274 - Fan for control unit
- 83 - Earth connection -1-, in front right wiring harness
- A18 - Connection (54), in dash panel wiring harness
- A104 - Positive (+) connection -2- (15), in dash panel wiring harness
- A154 - Connection (brake pedal switch), in dash panel wiring harness
- D102 - Connection -2-, in engine compartment wiring harness
- D103 - Connection -3-, in engine compartment wiring harness
- \* - Only applies to models with manual gearbox
- \*\* - Only applies to models with five-speed automatic gearbox (AG5)

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 A4

## Current Flow Diagram

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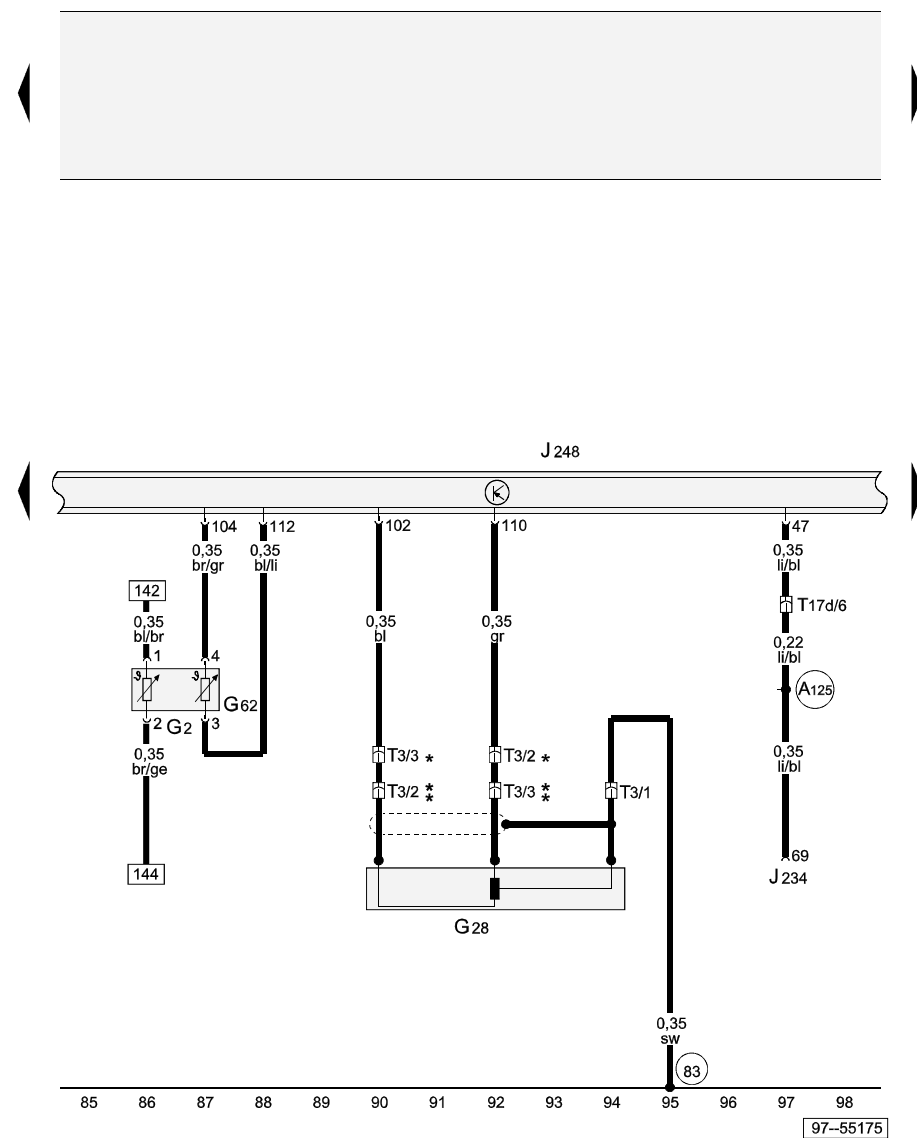
## Diesel direct injection system control unit, air mass meter

- F4 - Reversing light switch
- F125 - Multi-function switch
- G70 - Air mass meter
- J217 - Automatic gearbox control unit
- J226 - Starter inhibitor and reversing light relay
- J248 - Diesel direct injection system control unit
- J527 - Steering column electronics control unit
- T10a - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T16a - 16-pin connector, black, on steering column electronics control unit
- T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
- T17e - 17-pin connector, white, connector point, electronics box, plenum chamber
- A70 - Connection (15a, fuse 231), in dash panel wiring harness
- D51 - Positive (+) connection -1- (15), in engine compartment wiring harness
- U2 - Connection -1- (15), in automatic gearbox wiring harness
- \* - Only models with five-speed automatic gearbox (AG5)
- \*\* - Only models with automatic gearbox (multitronic 01J)
- \*\*\* - Only models with manual gearbox
- \*\*\*\* - From model year 2004 onwards

## Audi A4

## Current Flow Diagram

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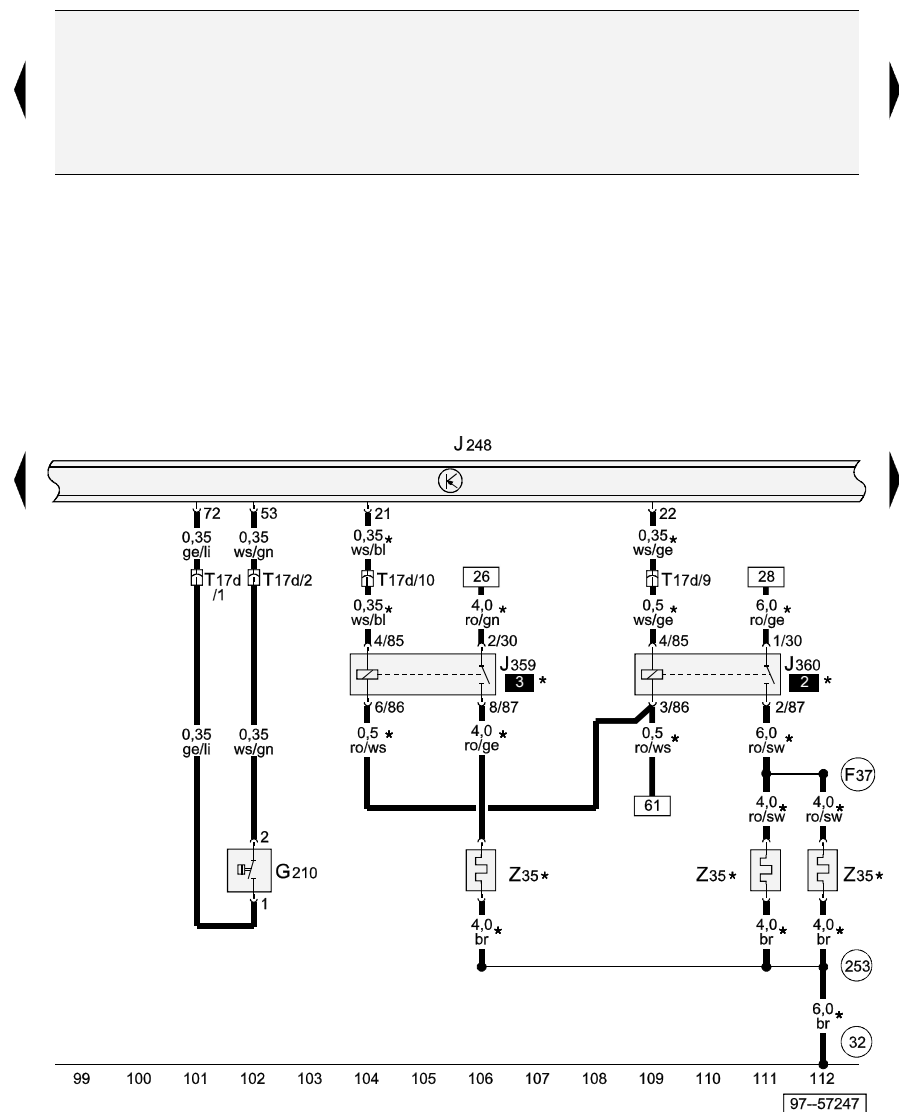
### Diesel direct injection system control unit, coolant temperature senders, engine speed sender

- G2 - Coolant temperature sender
- G28 - Engine speed sender
- G62 - Coolant temperature sender
- J234 - Airbag control unit
- J248 - Diesel direct injection system control unit
- T3 - 3-pin connector, grey, on engine block
- T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
- 83 - Earth connection -1-, in front right wiring harness
- A125 - Connection (crash signal), in dash panel wiring harness
- \* - Only applies to models with manual gearbox or automatic gearbox (multitronic 01J)
- \*\* - Only applies to models with five-speed automatic gearbox (AG5)

## Audi A4

## Current Flow Diagram

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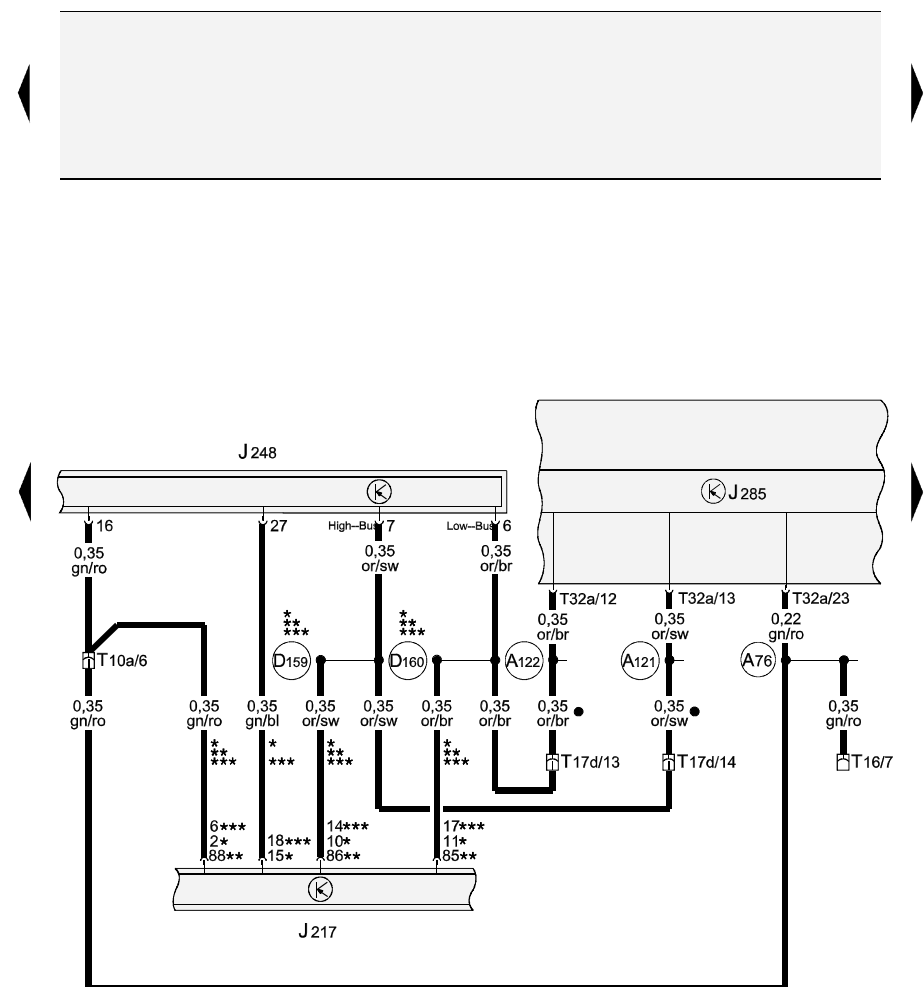
### Diesel direct injection system control unit , low fuel level sender, additional heating heater element

- G210 - Low fuel level sender
- J248 - Diesel direct injection system control unit
- J359 - Low heat output relay
- J360 - High heat output relay
- T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
- Z35 - Additional heating heater element
- 32 - Earth point, behind dash panel, left
- 253 - Earth connection, in heater unit wiring harness
- F37 - Connection (additional heater), in diesel direct injection system wiring harness
- \* - Only applies to models with additional heater (air)

## Audi A4

## Current Flow Diagram

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**Diesel direct injection system control unit, automatic gearbox control unit, data bus wire**

- J217 - Automatic gearbox control unit
- J248 - Diesel direct injection system control unit
- J285 - Control unit with display in dash panel insert
- T10a - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T16 - 16-pin connector, black, diagnostic connector
- T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
- T32a - 32-pin connector, green, on dash panel insert
- 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
- D159 - Connection (high bus), in engine compartment wiring harness
- D160 - Connection (low bus), in engine compartment wiring harness
- \* - Only applies to models with automatic gearbox (multitronic 01J), up to model year 2003
- \*\* - Only applies to models with five-speed automatic gearbox (AG5)
- \*\*\* - Only applies to models with automatic gearbox (multitronic 01J), from model year 2004
- - Data bus wire (CAN bus)

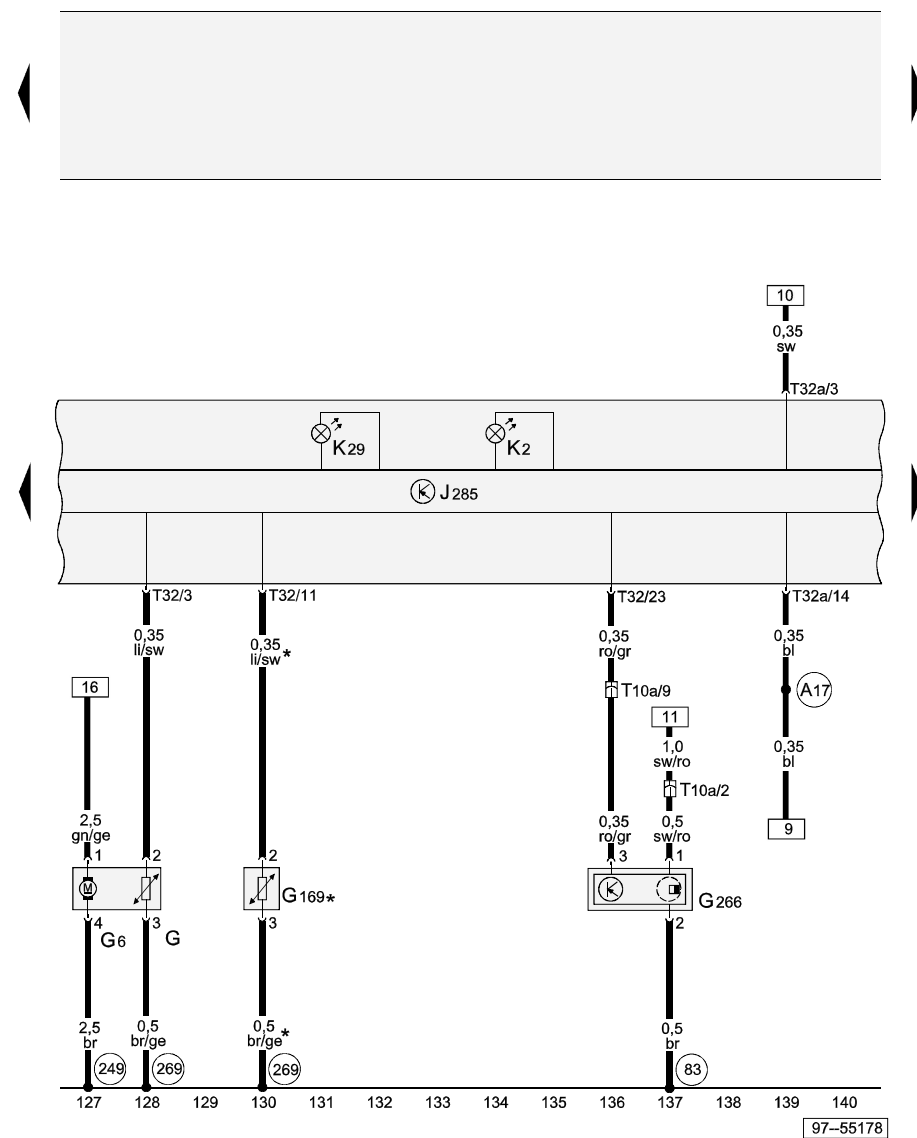
113 114 115 116 117 118 119 120 121 122 123 124 125 126

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## Audi A4

## Current Flow Diagram

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## Control unit with display in dash panel insert, fuel pump, oil level/oil temperature sender

- G - Fuel gauge sender
- G6 - Fuel pump (pre-supply pump)
- G169 - Fuel gauge sender -2-
- G266 - Oil level/oil temperature sender
- J285 - Control unit with display in dash panel insert
- K2 - Alternator warning lamp
- K29 - Glow period warning lamp
- T10a - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- 83 - Earth connection -1-, in front right wiring harness
- 249 - Earth connection -2-, in interior wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- A17 - Connection (61), in dash panel wiring harness
- \* - Only models with four-wheel drive

## Audi A4

## Current Flow Diagram

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