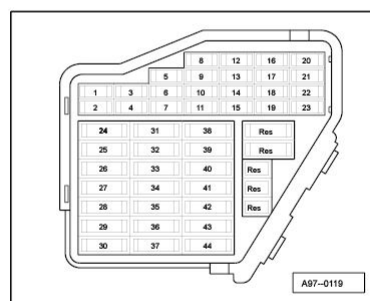


Audi A6**Current Flow Diagram****No. 55**

1.4l fuel injection engine (142 kW - Motronic - cylinder 6), 2.4l fuel injection engine (121 kW - Motronic - cylinder 6) engine codes ACK, ALG/AGA, AJG, ALF, ALW

Model year 1999

Fuse box

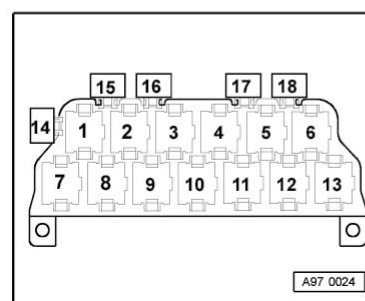


Fuse colours:

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.

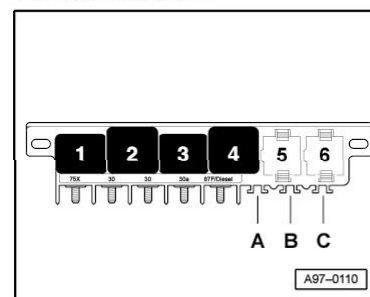
13-point relay carrier



Position of relays:

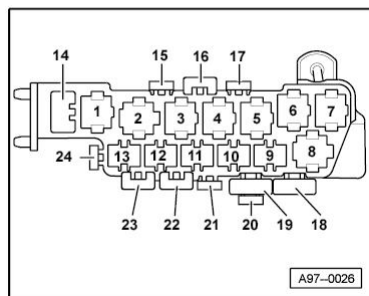
4 - Starter inhibitor relay (J207)

Micro-central electrics

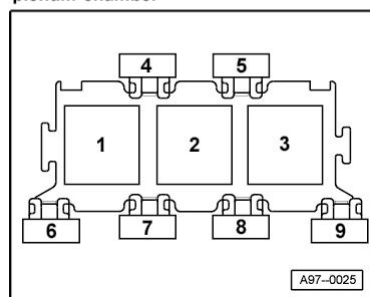


Position of relays:

4 - Fuel pump relay (J17)

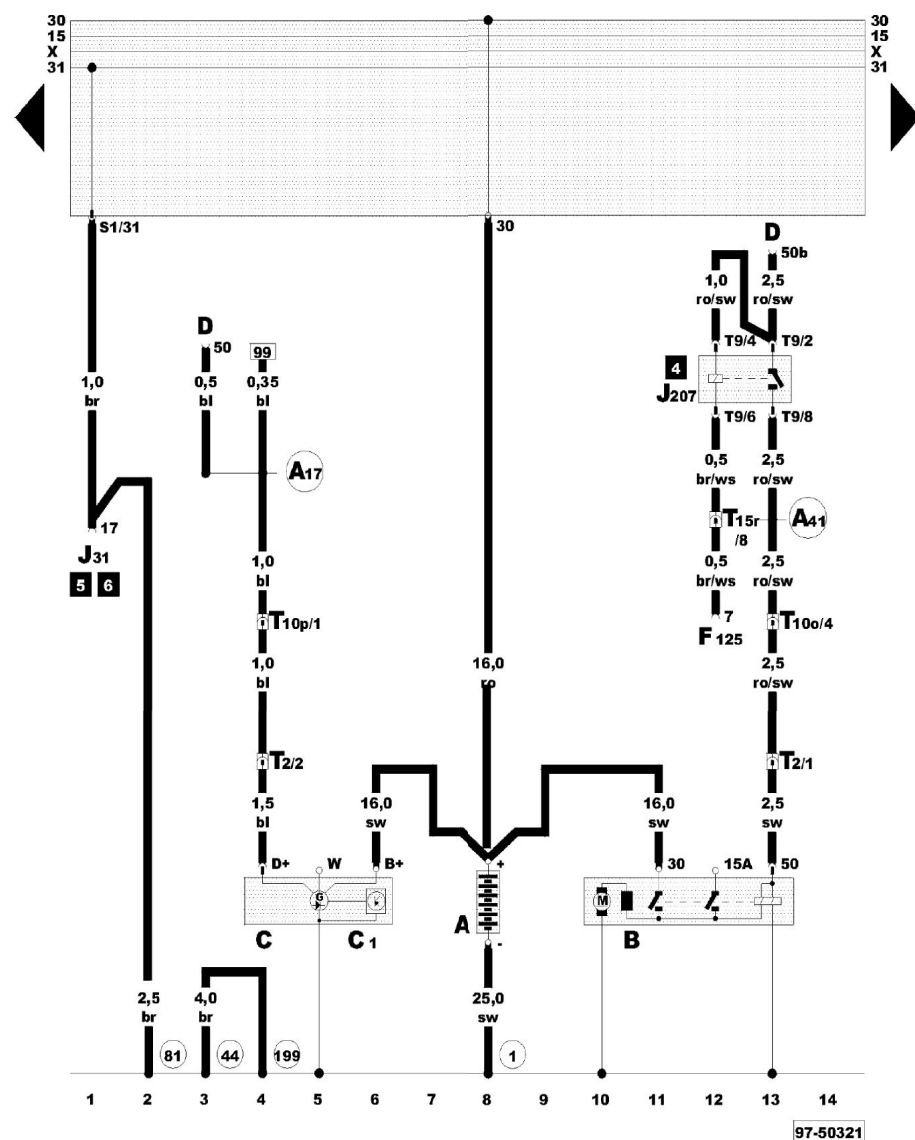
Audi A6**Current Flow Diagram****No. 55/1****8-point relay carrier****Position of relays:**

- 3** - Radiator fan relay (J26)
- 20** - Radiator fan fuse (S42)
- 21** - Radiator fan control unit fuse (S142)

**3-point relay carrier in electronics box,
plenum chamber****Position of relays:**

- 2** - Secondary air pump relay (J299)
- 7** - Secondary air pump fuse (S130)

Edition 10.98



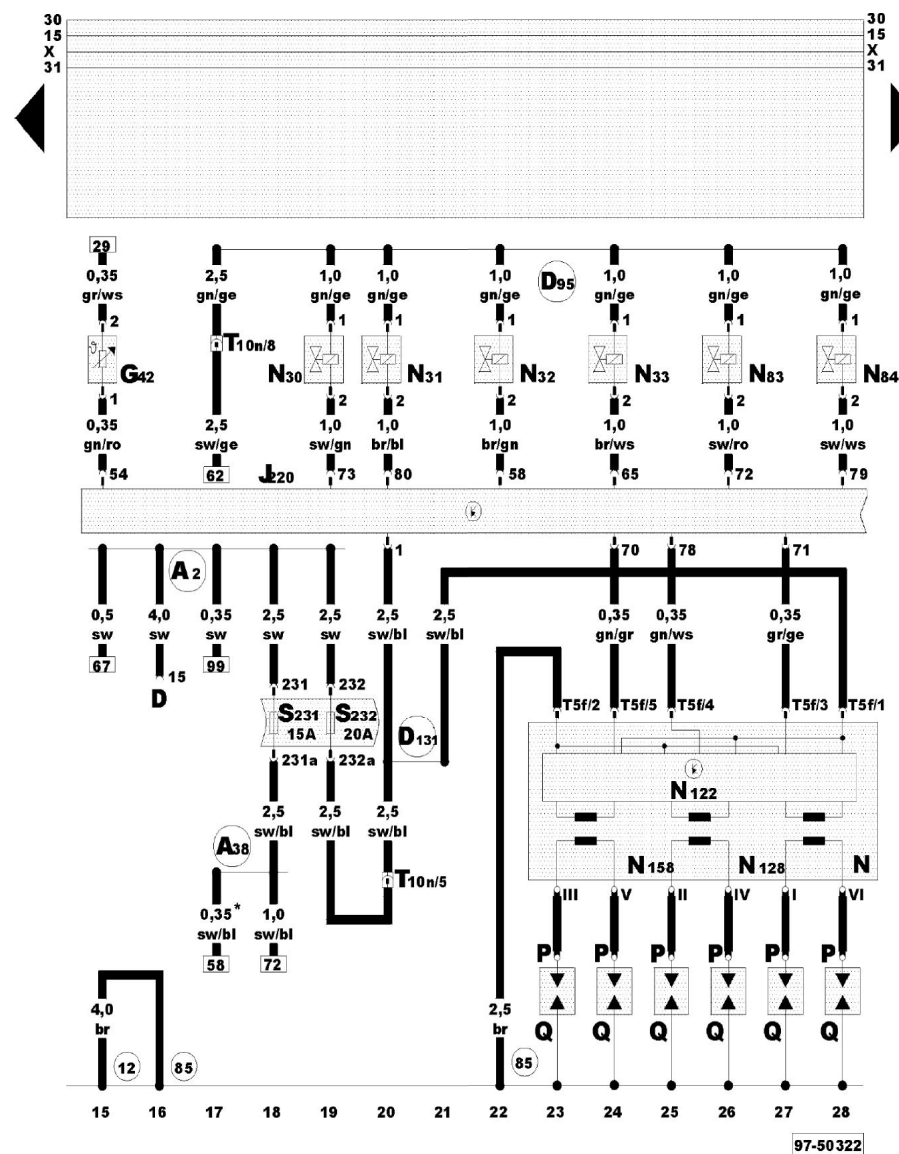
Battery, starter, alternator, starter inhibitor relay

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F125 - Multi-function switch
- J31 - Automatic intermittent wash/wipe relay
- J207 - Starter inhibitor relay
- T2 - 2-pin connector, grey, in engine compartment, right
- 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
- 44 - Earth point, lower part of left A-pillar
- 81 - Earth connection -1-, in dash panel wiring harness
- 199 - Earth connection -3-, in dash panel wiring harness
- A17 - Connection (61), in dash panel wiring harness
- A41 - Positive (+) connection (50), in dash panel wiring harness

Audi A6

Current Flow Diagram

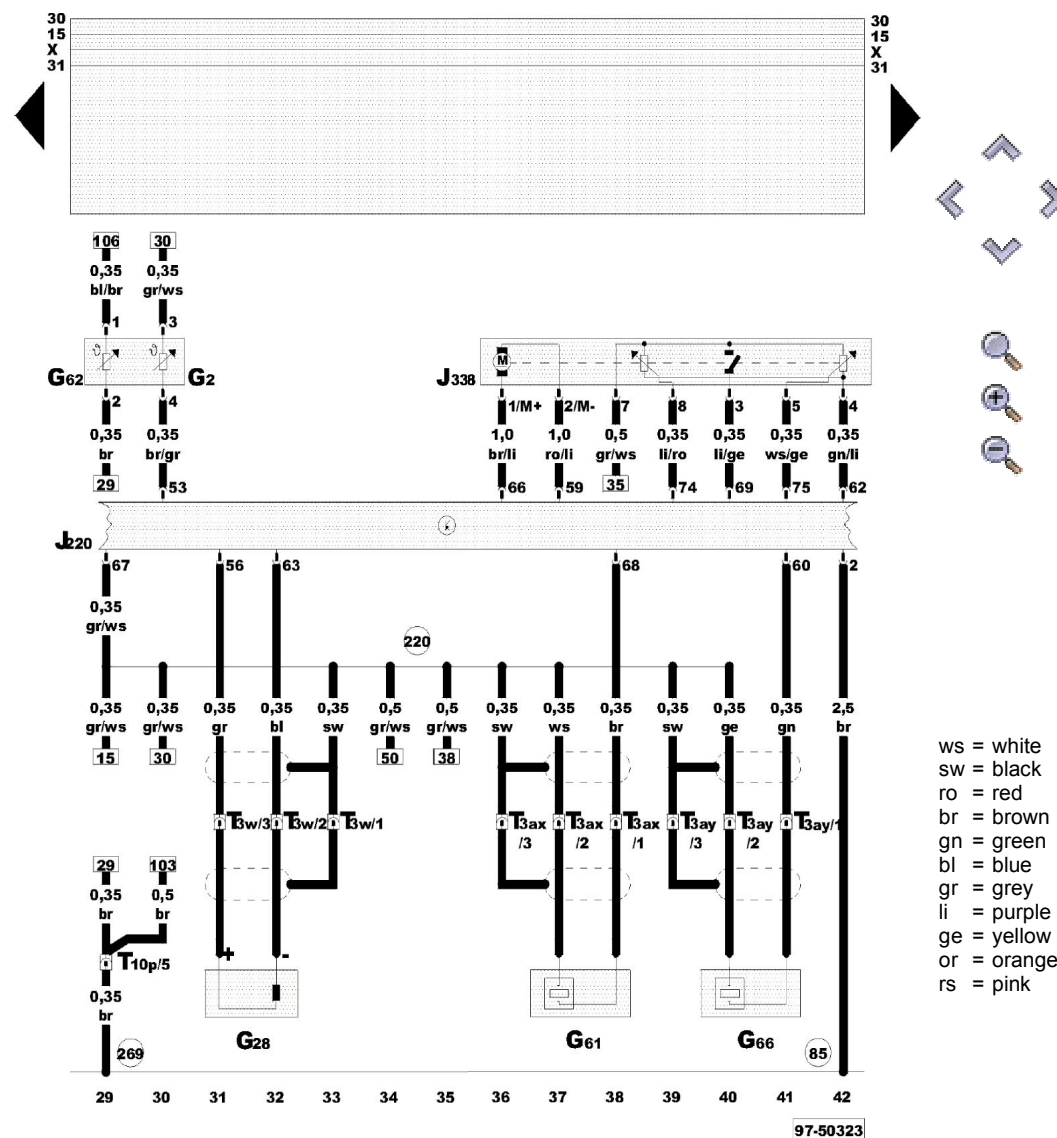
No. 55 / 3



Current Flow Diagram

Audi A6

No. 55 / 4



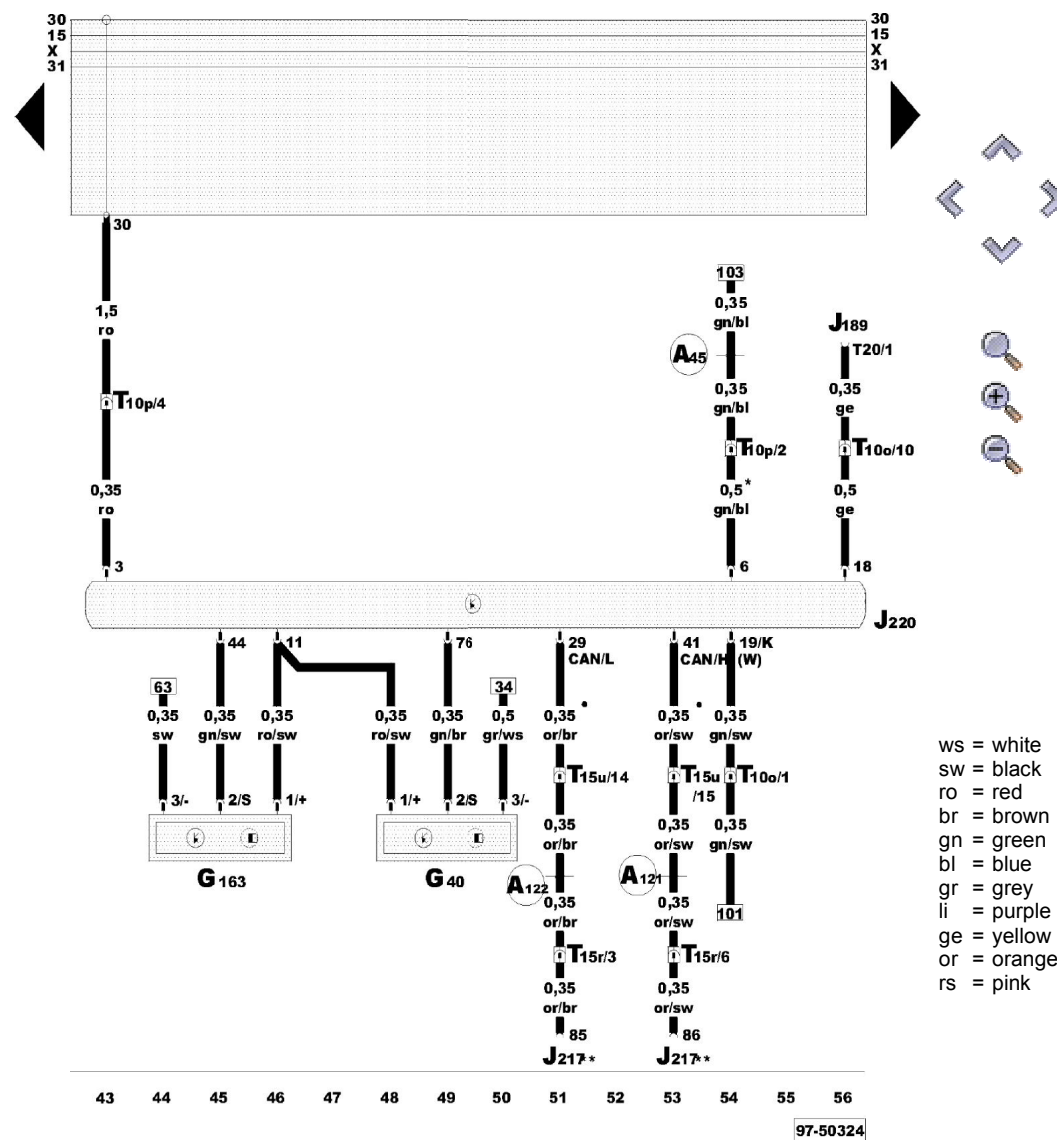
Motronic control unit, knock sensors, throttle valve control unit, engine speed sender, coolant temperature senders

- G2 - Coolant temperature sender
- G28 - Engine speed sender
- G61 - Knock sensor 1
- G62 - Coolant temperature sender
- G66 - Knock sensor 2
- J220 - Motronic control unit
- J338 - Throttle valve control unit
- T3w - 3-pin connector, grey, on engine speed sender
- T3ax - 3-pin connector, brown, at knock sensor 1
- T3ay - 3-pin connector, brown, at knock sensor 2
- T10p - 10-pin connector, black, connector point, electronics box, plenum chamber
- 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

Audi A6

Current Flow Diagram

No. 55 / 5



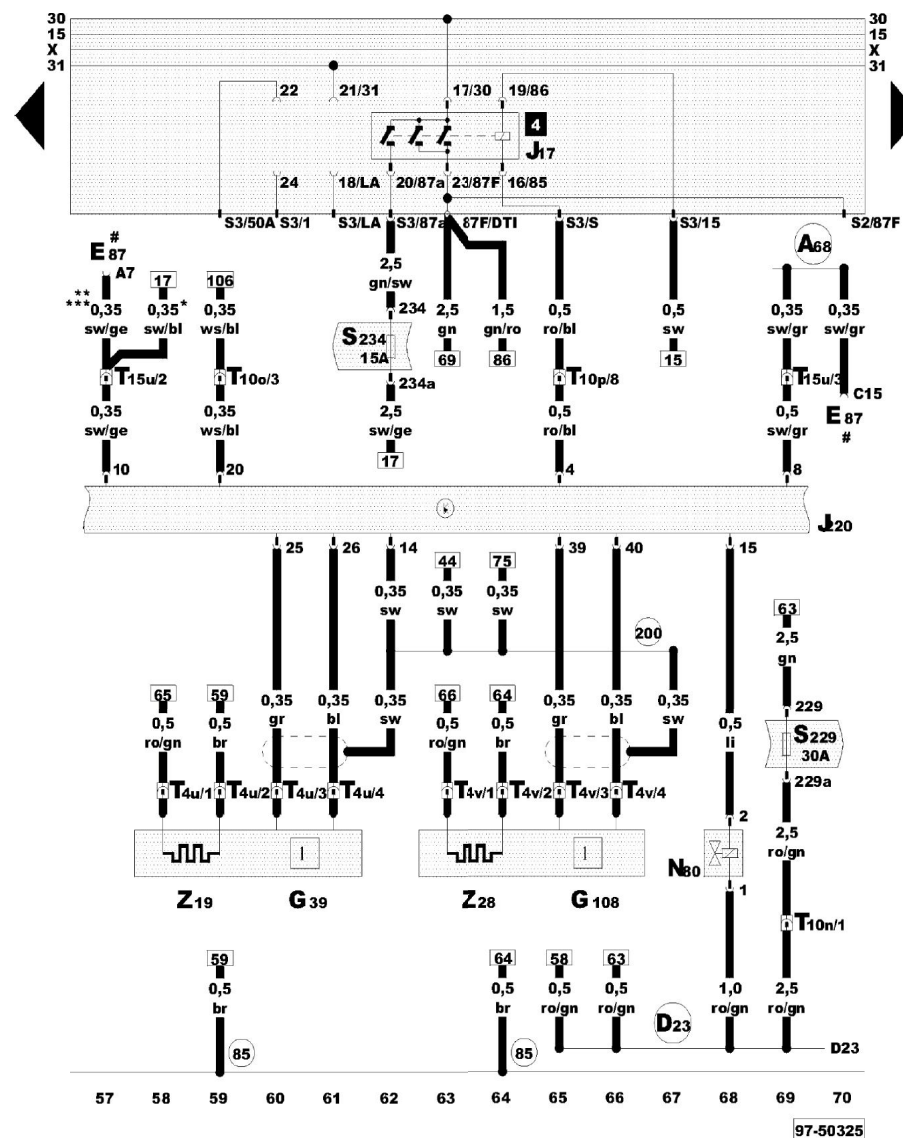
Motronic control unit, Hall senders

- G40 - Hall sender
- G163 - Hall sender 2
- J189 - Auto-check system
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit
- 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
- T15 - 15-pin connector, red, connector point, electronics box, plenum chamber
- T20 - 20-pin connector, red/white, on dash panel insert
- 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
- - CAN bus (Data bus)
- * - Does not models with CAN bus (data wire)
- ** - Models with automatic gearbox 01V

Audi A6

Current Flow Diagram

No. 55 / 6



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, fuel pump relay, lambda probes, activated charcoal filter system solenoid valve

- E87 - Control and display unit for air conditioner
- G39 - Lambda probe
- G108 - Lambda probe 2
- J17 - Fuel pump relay
- J220 - Motronic control unit
- N80 - Activated charcoal filter system solenoid valve 1 (pulsed)
- S229 - Fuse in fuse box
- S234 - Fuse in fuse box
- T4u - 4-pin connector, black, for lambda probe 1
- T4v - 4-pin connector, black, for lambda probe 2
- 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
- T15u - 15-pin connector, red, connector point, electronics box, plenum chamber
- Z19 - Lambda probe heater
- Z28 - Lambda probe 2 heater
- 85 - Earth connection -1-, in engine compartment wiring harness
- 200 - Earth connection (sender earth), in engine wiring harness
- A68 - Connection (C15, air conditioner), in dash panel wiring harness
- D23 - Connection (via fuse 229), in front right wiring harness
- * - Models with 2.8 l engine, front-wheel drive
- ** - Models with 2.8 l engine, four-wheel drive and manual gearbox
- *** - Models with 2.4 l engine
- # - Models with air conditioner

Audi A6

Current Flow Diagram

No. 55 / 7



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

- G70 - Air mass meter
- J104 - ABS with EDL control unit
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit
- J299 - Secondary air pump relay
- N112 - Secondary air inlet valve
- N156 - Intake manifold change-over valve
- N205 - Inlet camshaft timing adjustment valve -1-
- N208 - Inlet camshaft timing adjustment valve -2-
- S130 - Secondary air pump fuse
- T10k - 10-pin connector, orange, 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
- T10w - 10-pin connector, blue, connector point, A pillar, right
- T10au - 10-pin connector, grey, connector point, A pillar, right
- T15u - 15-pin connector, red, connector point, electronics box, plenum chamber
- V101 - Secondary air pump motor
- 25 - Earth connection -1-, in engine compartment wiring harness

A32 - Positive (+) connection (30), in dash panel wiring harness

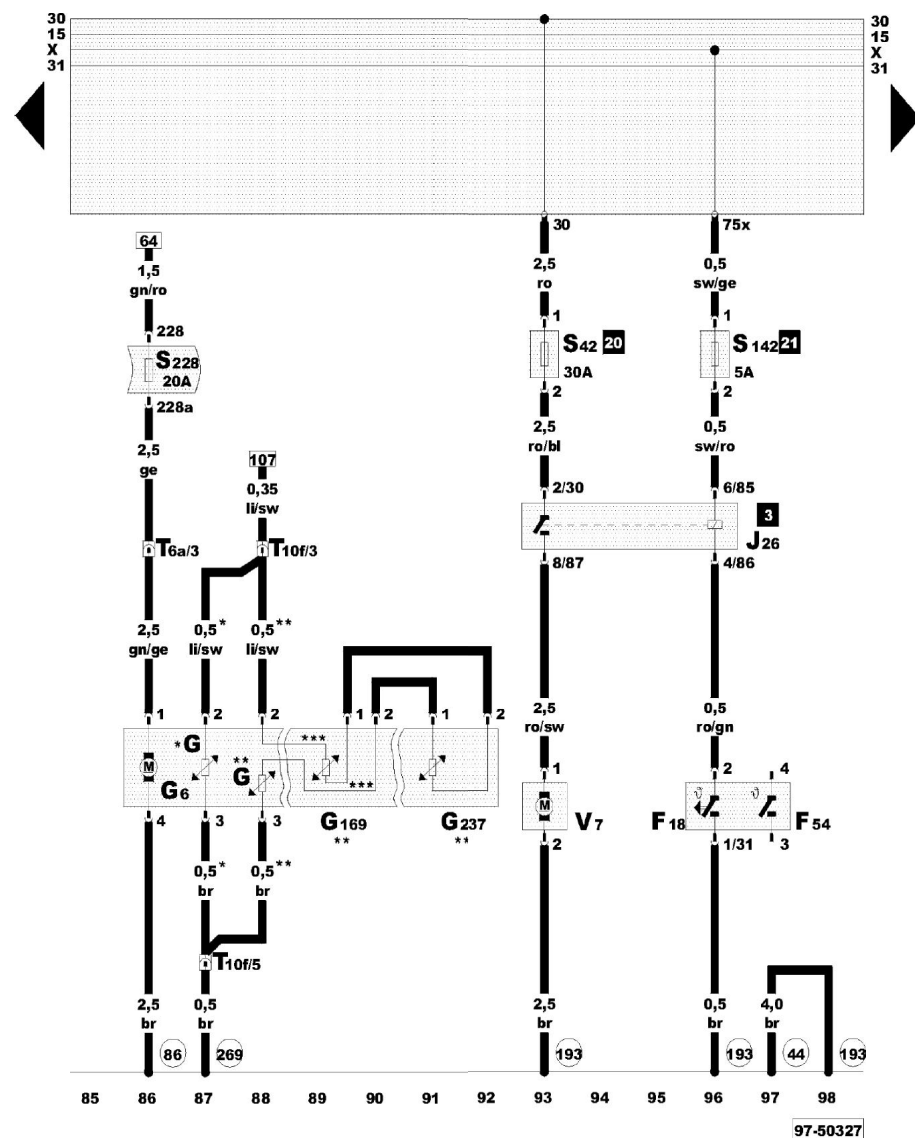
D23 - Connection (via fuse 229), in front right wiring harness

- * - Models with traction control system switch
- ** - Models with secondary air pump
- *** - Does not models with CAN bus (Data bus)

Audi A6

Current Flow Diagram

No. 55 / 8



Fuel gauge sender, fuel pump, fuel pump relay, engine cooling

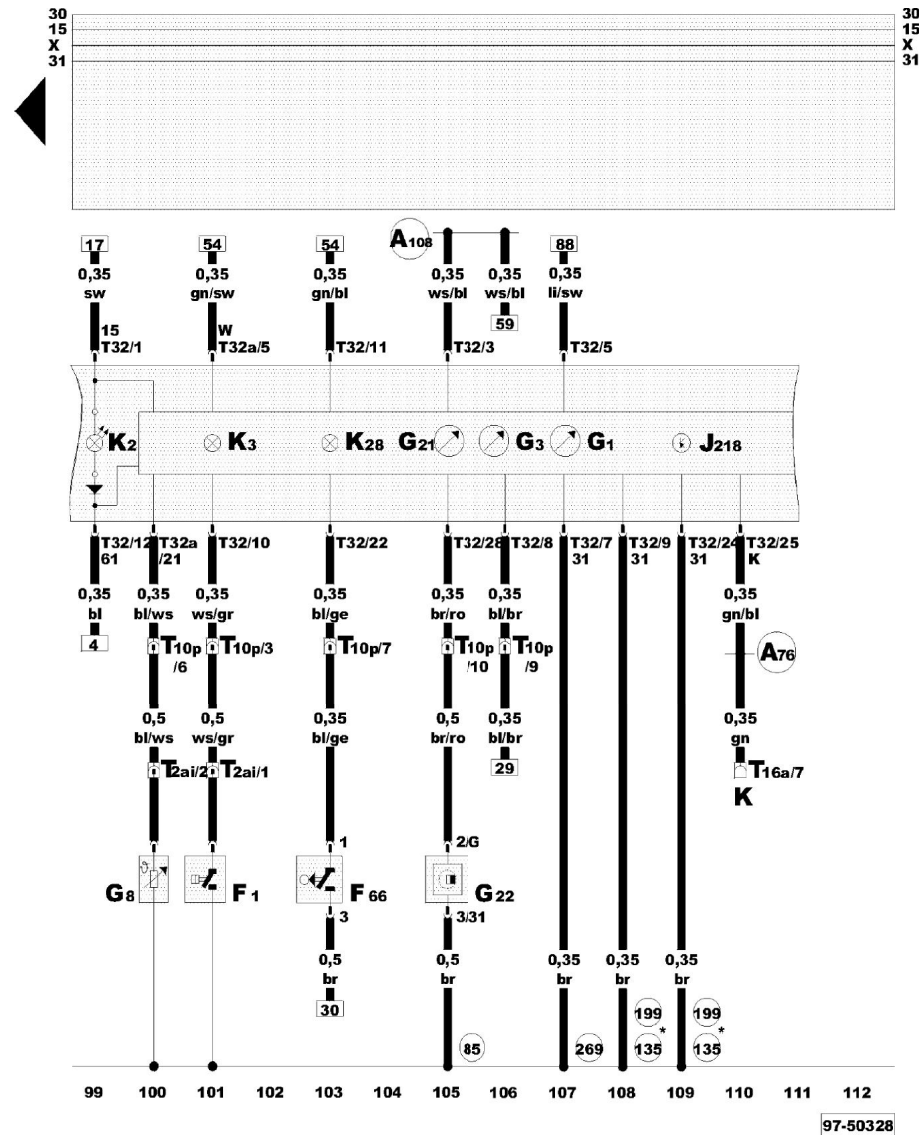
- F18 - Radiator fan thermo-switch
- F54 - Radiator fan thermo-switch
- G - Fuel gauge sender
- G6 - Fuel pump (pre-supply pump)
- G169 - Fuel gauge sender 2
- G237 - Fuel gauge sender 3
- J26 - Radiator fan relay
- S42 - Radiator fan single fuse
- S142 - Radiator fan control unit fuse
- S228 - Fuse in fuse box
- T6a - 6-pin connector, blue, connector point, A pillar, left
- T10f - 10-pin connector, brown, connector point, A pillar, left
- V7 - Radiator fan
- 44 - Earth point, lower part of left A-pillar
- 86 - Earth connection -1-, in rear wiring harness
- 193 - Earth connection -1-, in coolant fan wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- * - Models with front-wheel drive
- ** - Models with four-wheel drive
- *** - Models with fuel tank

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

Audi A6

Current Flow Diagram

No. 55 / 9



Dash panel insert, coolant and oil pressure control, speedometer sender

- F1 - Oil pressure switch
- F66 - Coolant shortage indicator switch
- G1 - Fuel gauge
- G3 - Coolant temperature gauge
- G8 - Oil temperature sender
- G21 - Speedometer
- G22 - Speedometer sender (Hall sender, on gearbox)
- J218 - Combi-processor in dash panel insert
- K - Diagnosis connection
- K2 - Alternator warning lamp
- K3 - Oil pressure warning lamp
- K28 - Coolant temperature/coolant shortage warning lamp
- T2ai - 2-pin connector, black, oil senders
- T10p - 10-pin connector, black, connector point, electronics box, plenum chamber
- T16a - 16-pin connector, diagnosis connection
- 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
- 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
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- A108 - Connection (speed signal), in dash panel wiring harness
- * - Both possible