

Audi A3

Current Flow Diagram

No. 83 / 1

Edition 03.2001

Audi A3 (1.8 litre fuel injection engine, 110 kW, Motronic, 4-cylinder) engine codes AQA/ARZ

From model year 2000

Audi A3 (1.8 litre fuel injection engine, 132 kW, Motronic, 4-cylinder) engine codes AJQ/APP

From model year 2000

Audi A3 (1.8 litre fuel injection engine, 154 kW, Motronic (S3), 4-cylinder) engine codes APY

From model year 2000

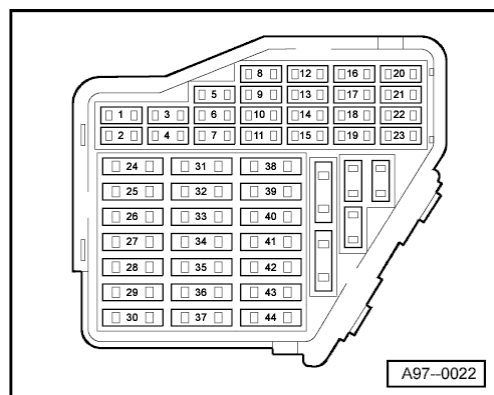
Audi A3 (1.8 litre fuel injection engine, 154 kW, Motronic (S3), 4-cylinder) engine codes APY, From model year 2000

From model year 2000

Audi A3 (1.8 litre fuel injection engine, 110 kW, Motronic, 4-cylinder) engine codes AQA, From model year 2000

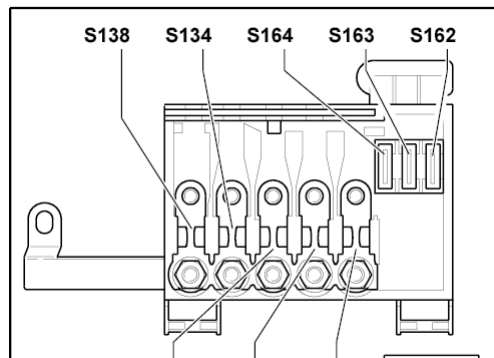
From model year 2000

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:

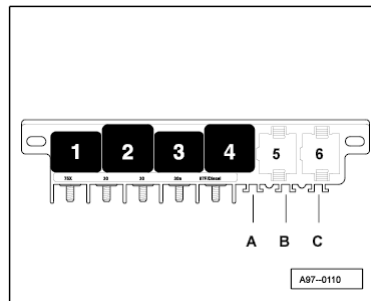


S164 - 3 fuse box/battery
S133 - S132

S131

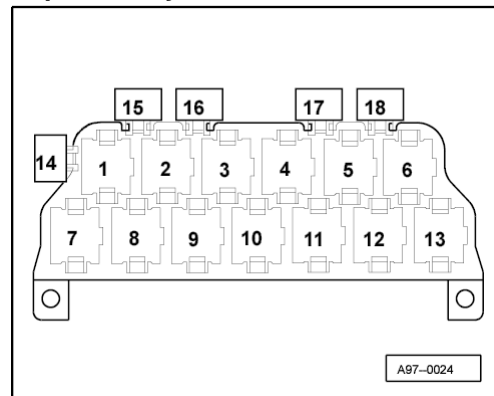
Fuse colours:

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

Micro-central electrics:

Position of relays:

- 4 - Fuel pump relay

13-point relay carrier:

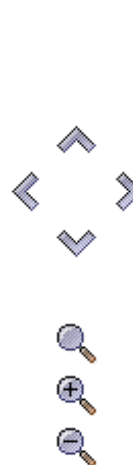
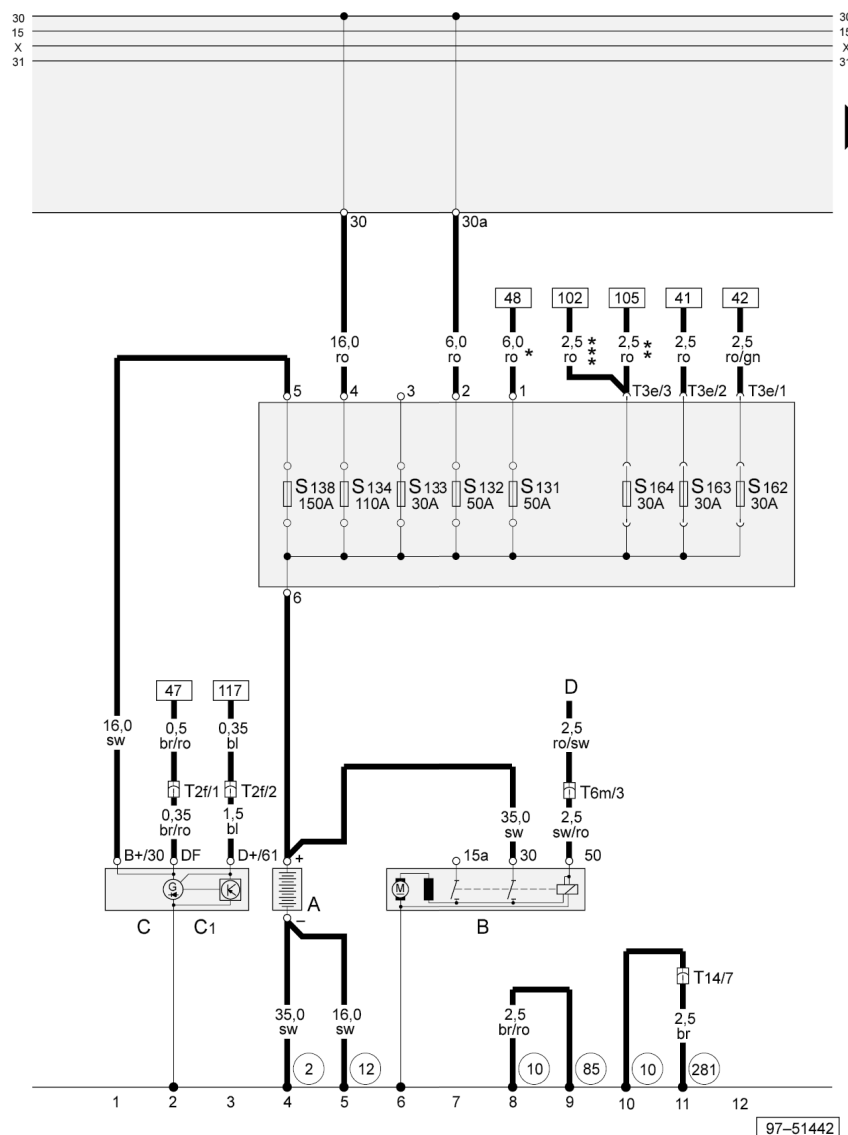
Position of relays:

- 13 - Coolant pump control unit

Audi A3

Current Flow Diagram

No. 83 / 2



Battery, starter, alternator, main fuse box/battery

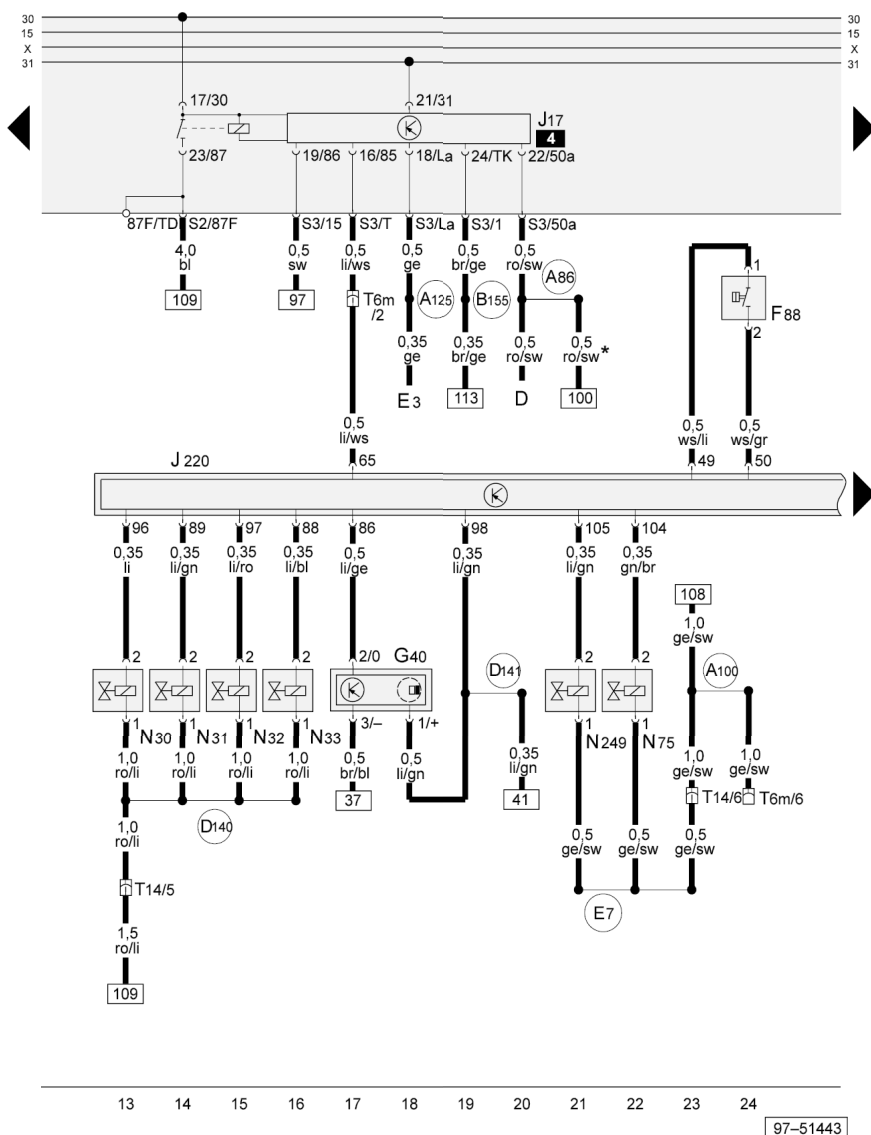
- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- S131 - Fuse 1
- S132 - Fuse 2
- S133 - Fuse 3
- S134 - Fuse 4
- S138 - Fuse 5
- S162 - 1 in fuse box/battery
- S163 - 2 in fuse box/battery
- S164 - 3 in fuse box/battery
- T2f - 2-pin connector, wiring duct, in engine compartment, left
- T3e - 3-pin connector, black, on main fuse box/battery
- T6m - 6-pin connector, brown, in plenum chamber
- 2 - Earth strap, gearbox - body
- 10 - Earth point, in plenum chamber
- 12 - Earth point, in engine compartment, left
- 85 - Earth connection -1-, in engine compartment wiring harness
- 281 - Earth connection -1-, in engine prewiring wiring harness
- * - Only engine codes ARZ, APP, APY
- ** - Does not apply to engine code APY
- *** - Only to engine code APY

97-51442

Audi A3

Current Flow Diagram

No. 83 / 3



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

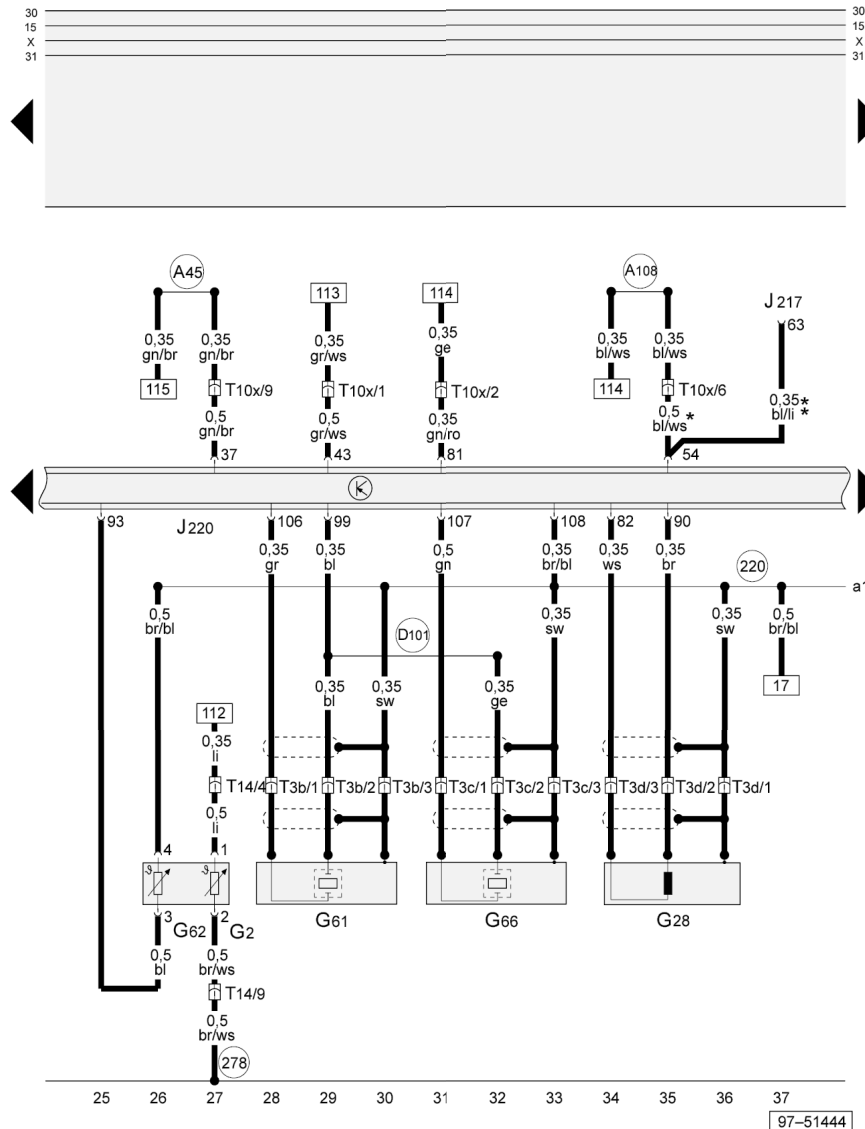
Motronic control unit, fuel pump relay, injectors, Hall sender, Hall sender, charge pressure control solenoid valve, divert air valve

- D - Ignition/starter switch
- E3 - Hazard warning light switch
- F88 - Power assisted steering pressure switch
- G40 - Hall sender
- J17 - Fuel pump relay
- J220 - Motronic control unit
- N30 - Injector, cylinder 1
- N31 - Injector, cylinder 2
- N32 - Injector, cylinder 3
- N33 - Injector, cylinder 4
- N75 - Charge pressure control solenoid valve
- N249 - Turbocharger divert air valve
- T6m - 6-pin connector, brown, in plenum chamber
- T14 - 14-pin connector, in engine compartment, left
- A86 - Connection (50a), in dash panel wiring harness
- A100 - Connection -2- (87), in dash panel wiring harness
- A125 - Connection (crash signal), in dash panel wiring harness
- B155 - Connection -2- (DC), in interior wiring harness
- D140 - Connection (injectors), in engine prewiring wiring harness
- D141 - Connection (5V), in engine prewiring wiring harness
- E7 - Positive (+) connection (87a), in Motronic wiring harness
- * - Only to engine code APY

Audi A3

Current Flow Diagram

No. 83 / 4



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, knock sensors, engine speed sender, coolant temperature senders

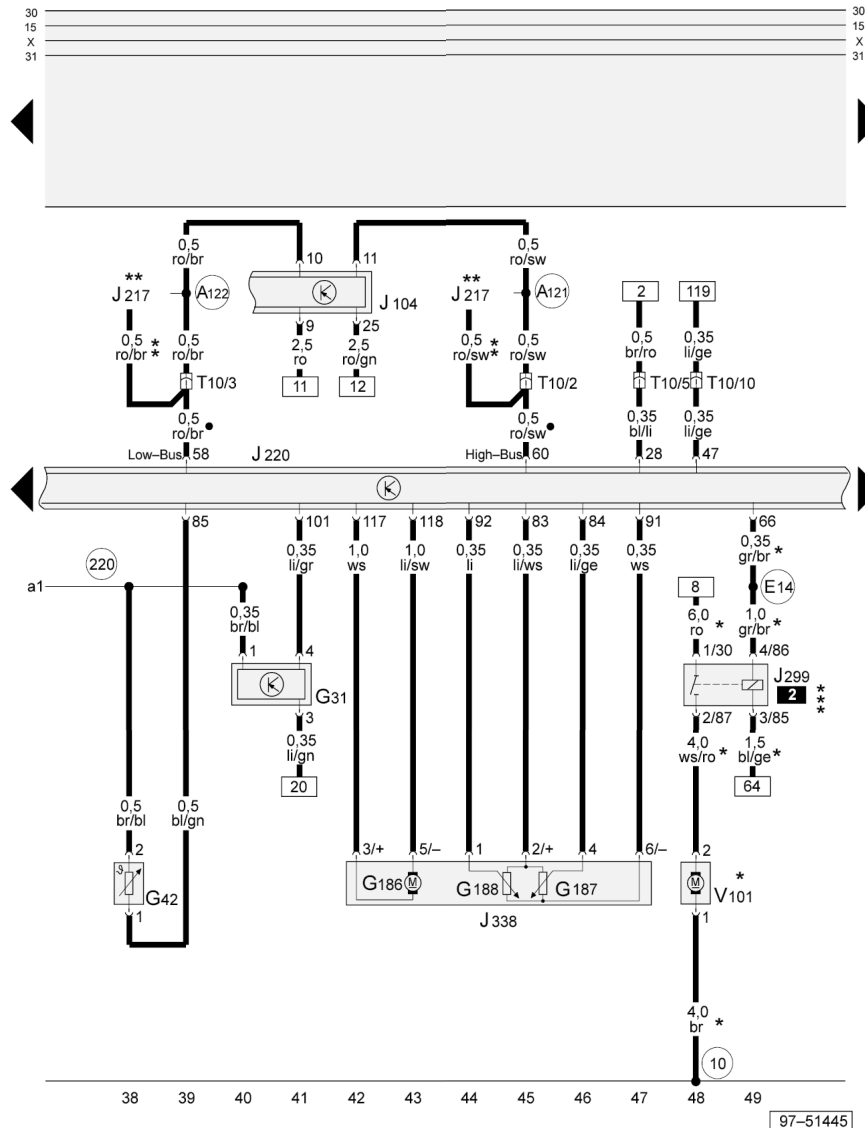
- G2 - Coolant temperature sender
- G28 - Engine speed sender
- G61 - Knock sensor 1
- G62 - Coolant temperature sender
- G66 - Knock sensor 2
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit
- T3b - 3-pin connector, black, in engine compartment
- T3c - 3-pin connector, brown, in engine compartment
- T3d - 3-pin connector, grey, in engine compartment
- T10x - 10-pin connector, orange, in plenum chamber
- T14 - 14-pin connector, in engine compartment, left
- 220 - Earth connection (sender earth), in engine wiring harness
- 278 - Earth connection -4-, in interior wiring harness
- A45 - Connection (engine speed signal), in dash panel wiring harness
- A108 - Connection (speed signal), in dash panel wiring harness
- D101 - Connection -1-, in engine compartment wiring harness
- * - Does not apply four speed automatic gearbox
- ** - Only models with five speed automatic gearbox

97-51444

Audi A3

Current Flow Diagram

No. 83 / 5



Radiator fan

- G31 - Charge air pressure sender
- G42 - Intake air temperature sender
- G186 - Throttle valve drive
- G187 - Throttle valve drive angle sender -1-
- G188 - Throttle valve drive angle sender -2-
- J104 - ABS with EDL control unit
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit
- J299 - Secondary air pump relay
- J338 - Throttle valve control unit
- T10 - 10-pin connector, white, in plenum chamber
- V101 - Secondary air pump motor
- 10 - Earth point, in plenum chamber
- 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
- E14 - Connection -1-, in Motronic wiring harness

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

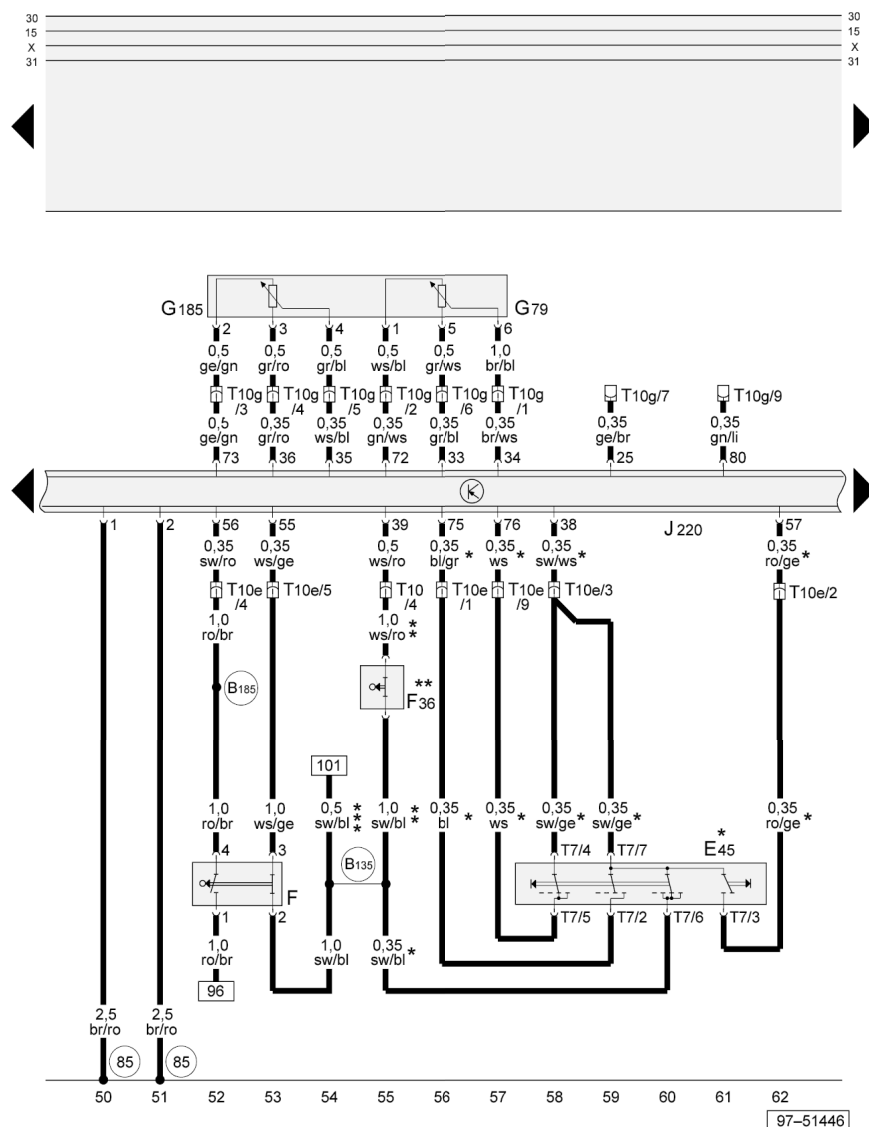
- * - Only engine codes ARZ, APP, APY
- ** - Only models with automatic gearbox
- *** - Relay in plenum chamber
- - CAN bus (data wires)

97-51445

Audi A3

Current Flow Diagram

No. 83 / 6



Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

- E45 - Cruise control system switch
- F - Brake light switch
- F36 - Clutch pedal switch
- G79 - Accelerator pedal position sender
- G185 - Accelerator pedal position sender -2-
- J220 - Motronic control unit
- T7 - 7-pin connector, behind steering column switch trim
- T10e - 10-pin connector, black, in plenum chamber
- T10g - 10-pin connector, blue, in plenum chamber
- 85 - Earth connection -1-, in engine compartment wiring harness
- B135 - Connection -1- (15a), in interior wiring harness
- B185 - Connection -2- (54), in interior wiring harness

- * - Only models with cruise control system
- ** - Only models with manual gearbox
- *** - Only to engine code APY

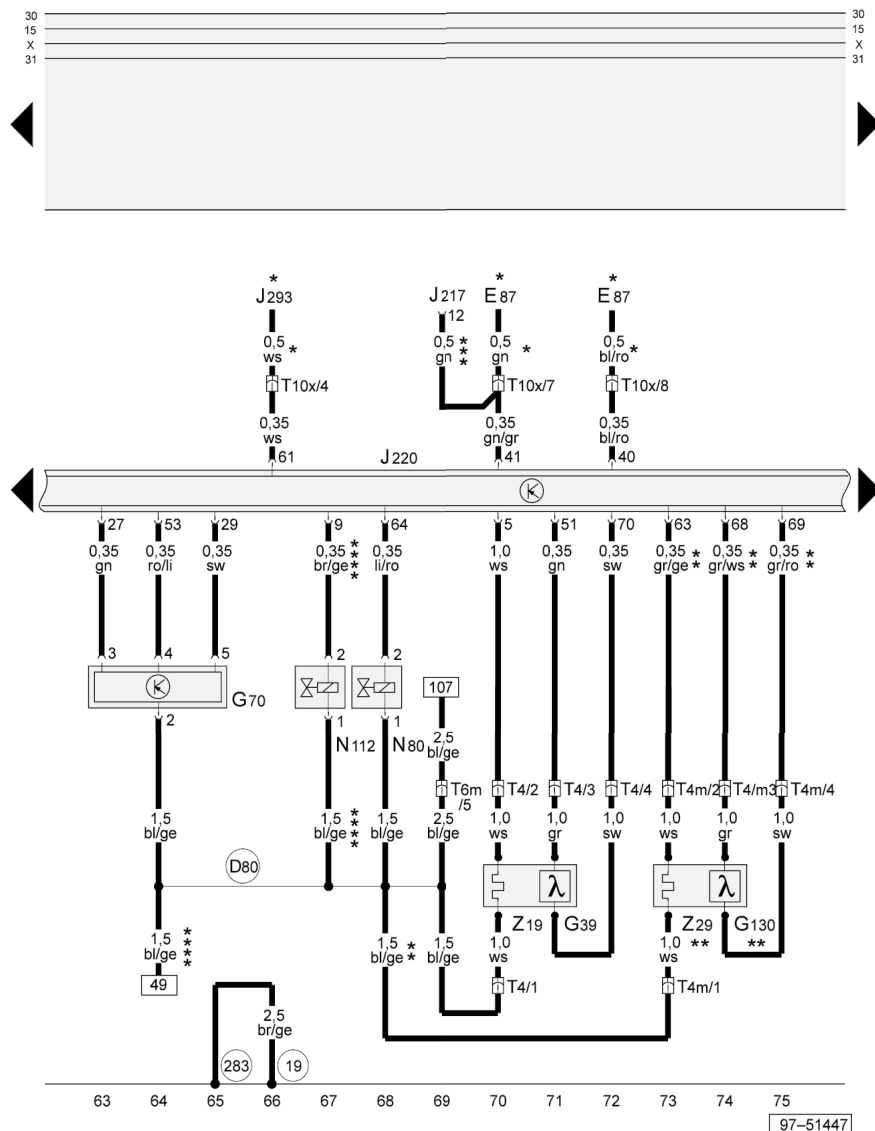
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

97-51446

Audi A3

Current Flow Diagram

No. 83 / 7



Simos control unit, lambda probes with additional heater, air mass meter, activated charcoal filter system solenoid valve

- E87 - Control and display unit for air conditioner
- G39 - Lambda probe
- G70 - Air mass meter
- G130 - Lambda probe downstream of catalytic converter
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit
- J293 - Radiator fan control unit
- N80 - Activated charcoal filter system solenoid valve 1
- N112 - Secondary air inlet valve
- T4 - 4-pin connector, in engine compartment, right
- T4m - 4-pin connector, in engine compartment, right
- T6m - 6-pin connector, brown, in plenum chamber
- T10x - 10-pin connector, orange, in plenum chamber
- Z19 - Lambda probe heater
- Z29 - Lambda probe 1 heater, downstream of catalytic converter

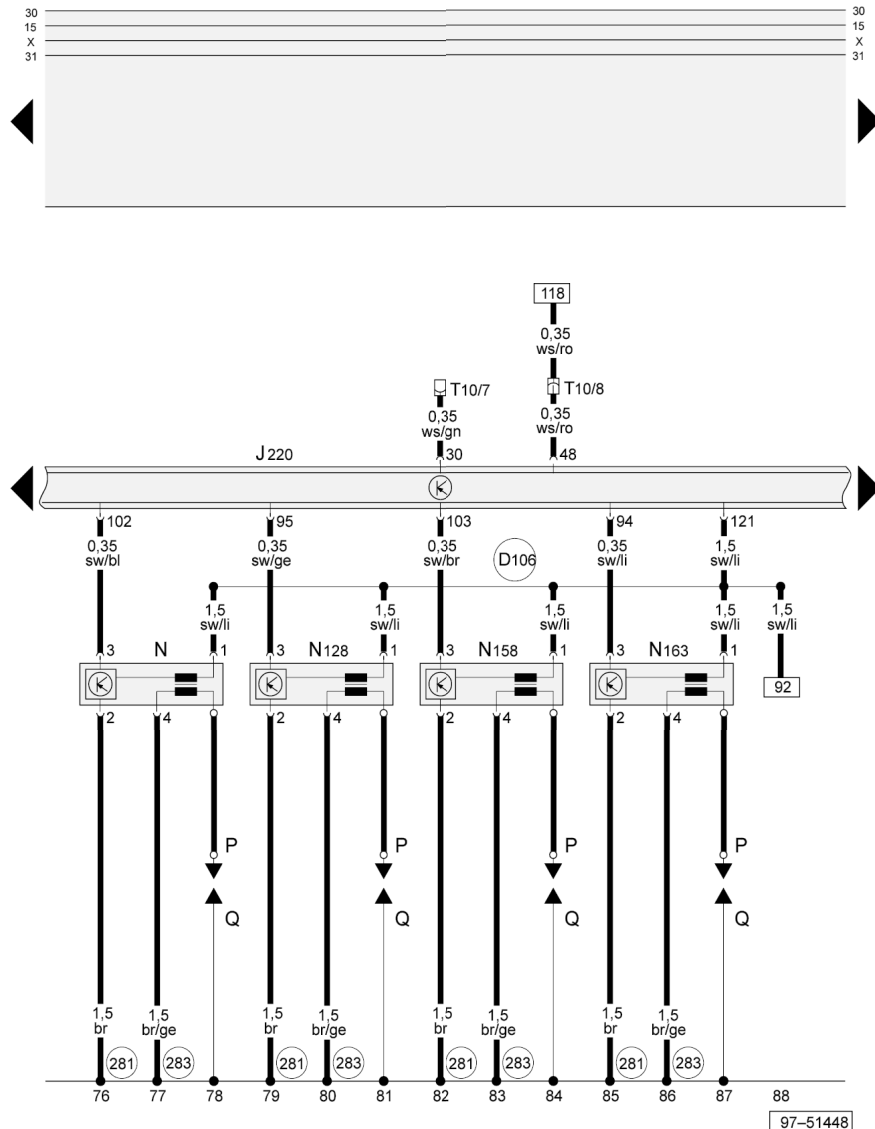
- 19 - Earth point, near coil
- 283 - Earth connection -2-, in engine prewiring wiring harness
- D80 - Positive (+) connection (87a), in engine compartment wiring harness
- * - Only models with air conditioner
- ** - Does not apply to engine code APY
- *** - Only models with automatic gearbox
- **** - Only engine codes ARZ, APP, APY

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

Audi A3

Current Flow Diagram

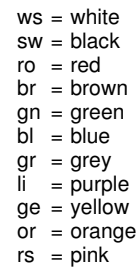
No. 83 / 8



Motronic control unit, ignition system

- J220 - Motronic control unit
- N - Ignition coil 1
- N128 - Ignition coil 2
- N158 - Ignition coil 3
- N163 - Ignition coil 4
- P - Spark plug connector
- Q - Spark plugs
- T10 - 10-pin connector, white, in plenum chamber
- 281 - Earth connection -1-, in engine prewiring wiring harness
- 283 - Earth connection -2-, in engine prewiring wiring harness
- D106 - Connection -4-, in engine compartment wiring harness

No. 83 / 9

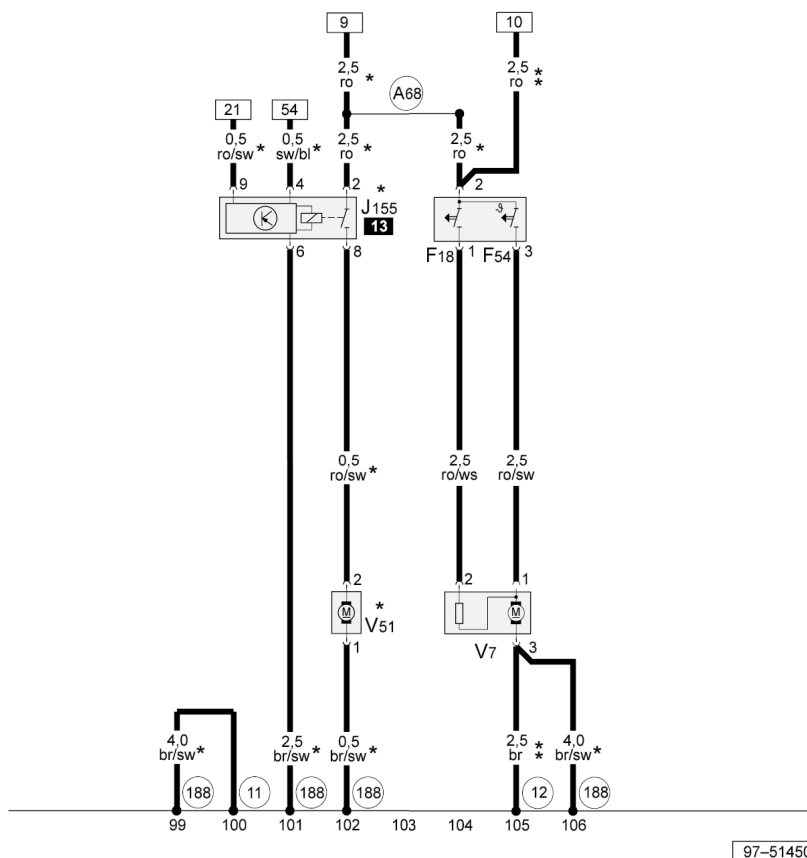


- J220 - Motronic control unit
- J271 - Motronic current supply relay
- S7 - Fuse in fuse box
- S10 - Fuse in fuse box
- S13 - Fuse in fuse box
- S229 - Fuse in fuse box
- T2m - 2-pin connector, wiring duct, in engine compartment, left
- T6m - 6-pin connector, brown, in plenum chamber
- T14 - 14-pin connector, in engine compartment, left
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A15 - Positive (+) connection (15), in dash panel wiring harness
- A98 - Positive (+) connection -4- (30a), in dash panel wiring harness
- B156 - Positive (+) connection -4- (30a), in interior wiring harness
- D78 - Positive (+) connection -1- (30a), in engine compartment wiring harness
- * - Relay in plenum chamber

Audi A3

Current Flow Diagram

No. 83 / 10



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

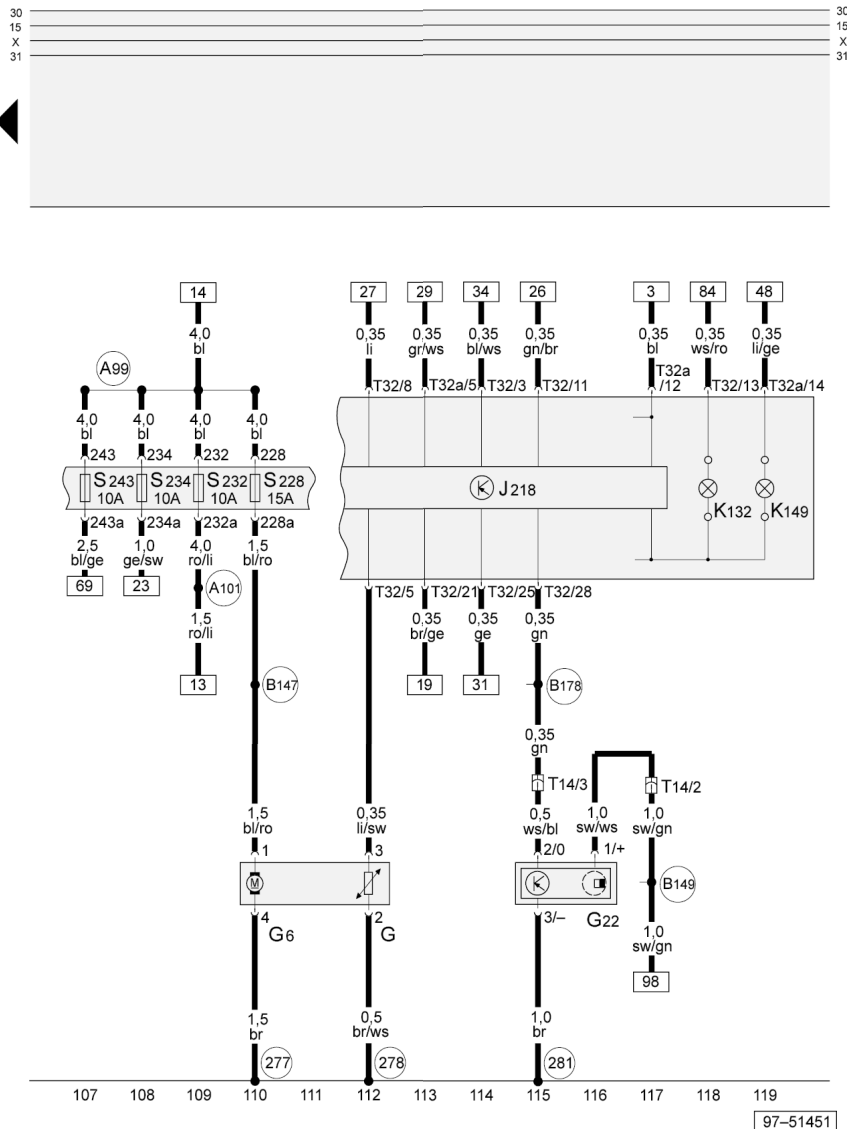
Radiator fan

- F18 - Radiator fan thermo-switch
- F54 - Radiator fan thermo-switch
- J155 - Coolant pump control unit
- V7 - Radiator fan
- V51 - Continued circulation of coolant pump
- 11 - Earth point, in battery box
- 12 - Earth point, in engine compartment, left
- 188 - Earth connection -3-, in air conditioner wiring harness
- A68 - Connection (30, air conditioner), in dash panel wiring harness
- * - Applies to engine code APY only, models not equipped with air conditioner
- ** - Does not apply to engine code APY

Audi A3

Current Flow Diagram

No. 83 / 11



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

Dash panel insert, combi-processor in dash panel insert, fuel pump, fuel gauge sender, road speed sender, fuse box

- G - Fuel gauge sender
- G6 - Fuel pump
- G22 - Speedometer sender, (Hall sender, on gearbox)
- J218 - Combi-processor in dash panel insert
- K132 - Electronic power control fault lamp
- K149 - Engine electronics warning lamp
- S228 - Fuse in fuse box
- S232 - Fuse in fuse box
- S234 - Fuse in fuse box
- S243 - Fuse in fuse box
- T14 - 14-pin connector, in engine compartment, left
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- 277 - Earth connection -3-, in interior wiring harness
- 278 - Earth connection -4-, in interior wiring harness
- 281 - Earth connection -1-, in engine prewiring wiring harness
- A99 - Connection -1- (87), in dash panel wiring harness
- A101 - Connection -3- (87), in dash panel wiring harness
- B147 - Positive (+) connection -2- (87), in interior wiring harness
- B149 - Positive (+) connection -2- (15a), in interior wiring harness
- B178 - Connection (speed signal), in interior wiring harness