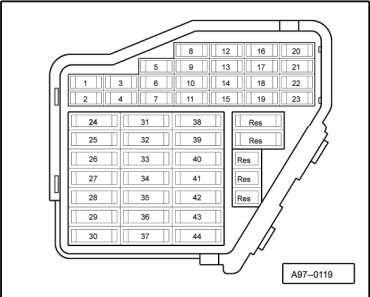


1.8 litre fuel injection engine, 165 kW, Motronic, 4-cylinder, engine code APX

from model year 1999

Fuse box

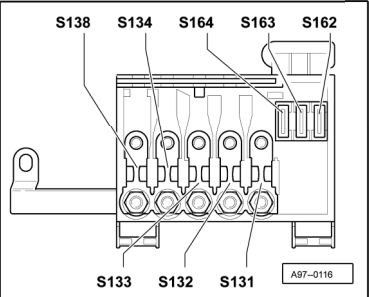


Fuse colours:

- 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.

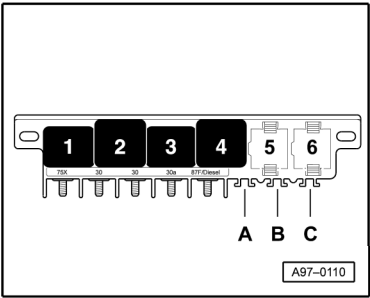
Main fuse box/battery



Position of fuses:

- S131 - Fuse 1
- S132 - Fuse 2
- S133 - Fuse 3
- S134 - Fuse 4
- S138 - Fuse 5
- S162 - 1 in fuse in fuse box/battery
- S163 - 2 fuse in fuse box/battery
- S164 - 3 fuse in fuse box/battery

Micro-central electrics



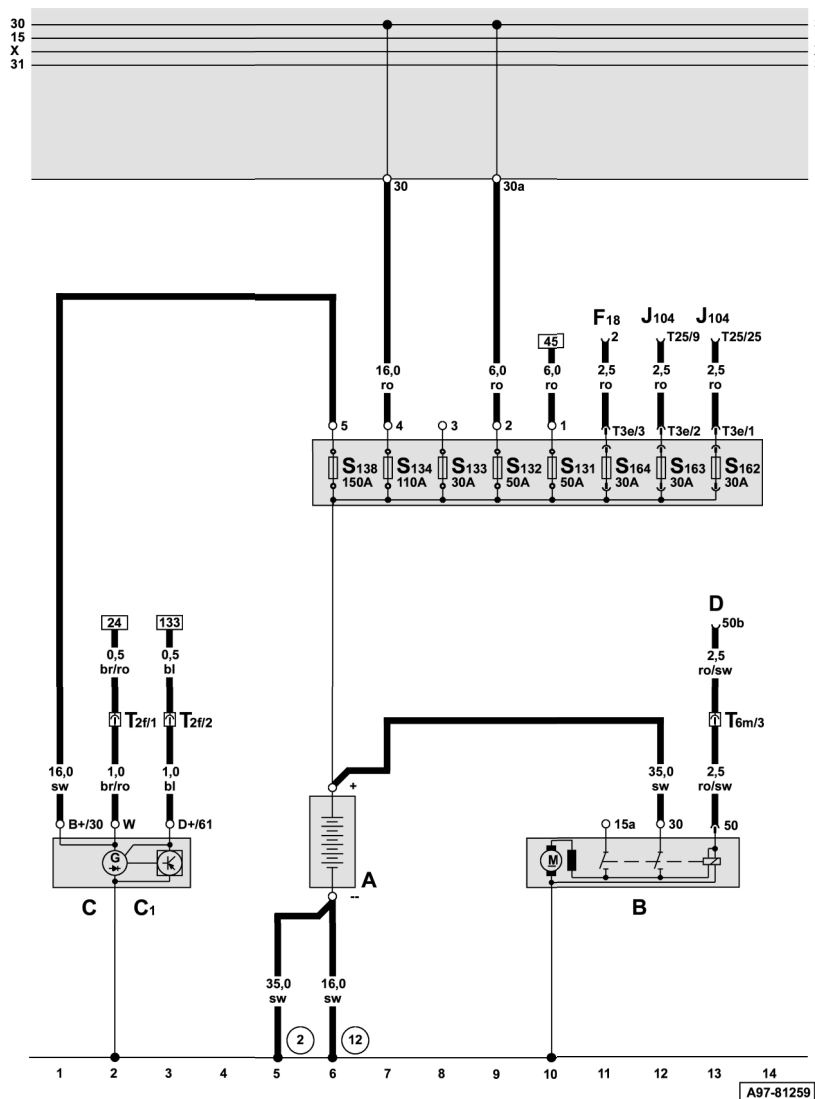
Position of relays:

- 4 - Fuel pump relay (J17)

Audi TT

Current Flow Diagram

No. 19 / 2



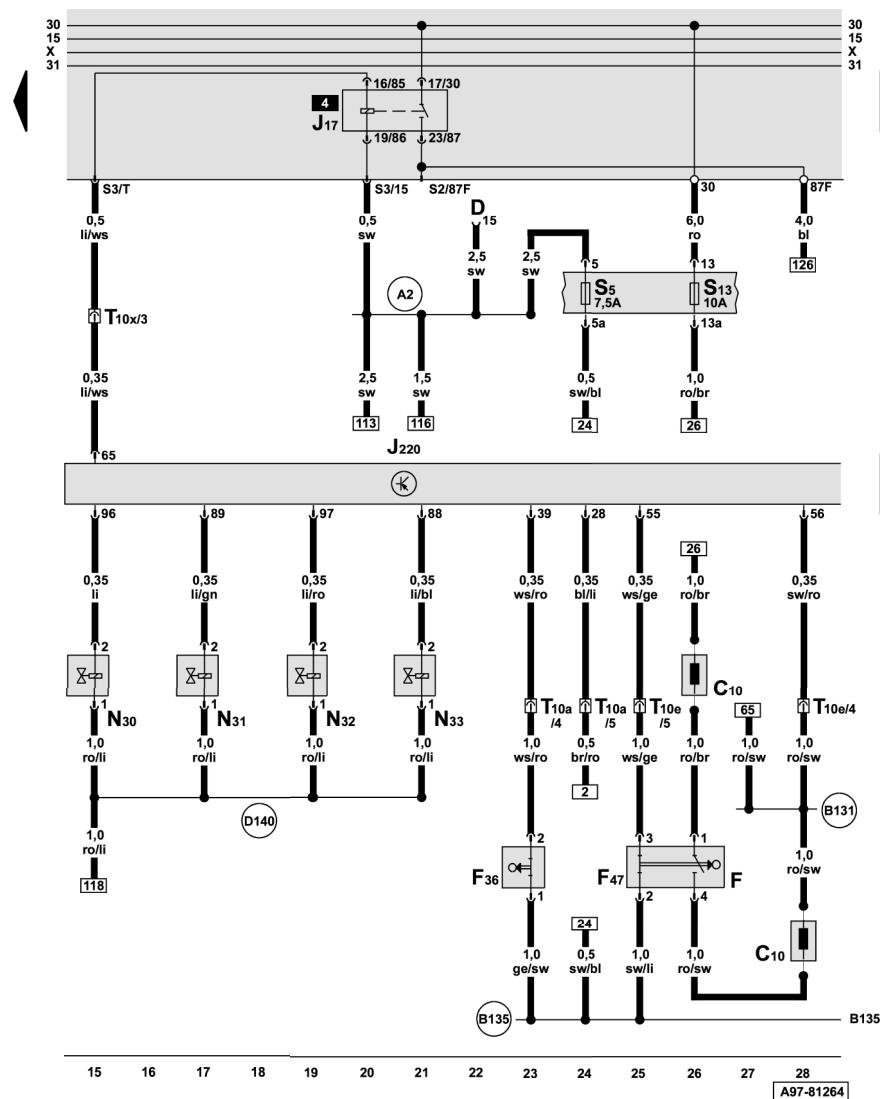
- Battery, starter, alternator, ignition/starter switch, main fuse box/battery**
- A - Battery
 - B - Starter
 - C - Alternator
 - C1 - Voltage regulator
 - D - Ignition/starter switch
 - F18 - Radiator fan thermo-switch
 - J104 - ABS with EDL control unit
 - S131 - Fuse 1
 - S132 - Fuse 2
 - S133 - Fuse 3
 - S134 - Fuse 4
 - S138 - Fuse 5
 - S162 - Fuse -1- (30), in battery fuse box
 - S163 - Fuse -2- (30), in battery fuse box
 - S164 - Fuse -3- (30), in battery fuse box
 - T2f - 2-pin connector, cable channel, in engine compartment, left
 - T3e - 3-pin connector, black, on main fuse box/battery
 - T6m - 6-pin connector, brown, in plenum chamber
 - T25 - 25-pin connector, on ABS control unit
 - 2 - Earth strap, gearbox - body
 - 12 - Earth point, in engine compartment, left

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

Audi TT

Current Flow Diagram

No. 19 / 3



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

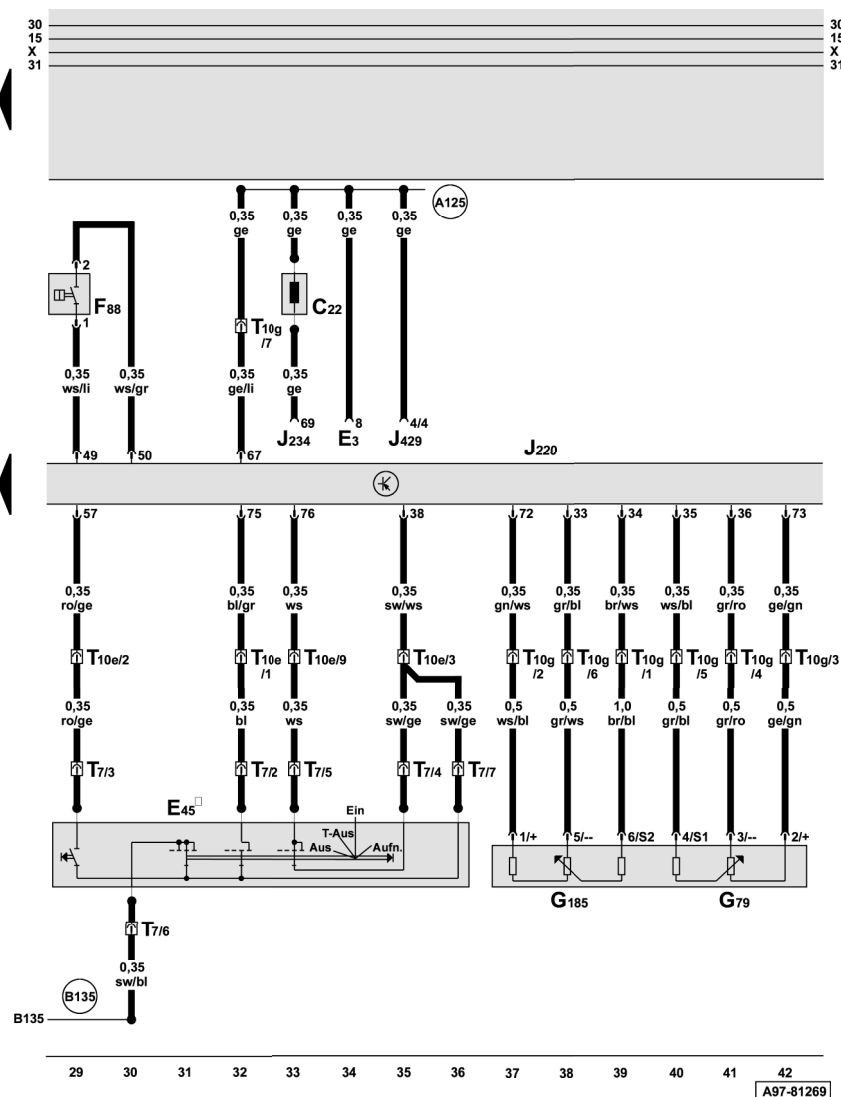
Motronic control unit, fuel pump relay, injectors, brake light switch, clutch pedal switch

- C10 - Suppression filter
- D - Ignition/starter switch
- F - Brake light switch
- F36 - Clutch pedal switch
- F47 - Cruise control system brake pedal switch
- J17 - Fuel pump relay
- J220 - Motronic control unit
- N30 - Injector, cylinder 1
- N31 - Injector, cylinder 2
- N32 - Injector, cylinder 3
- N33 - Injector, cylinder 4
- S5 - Fuse in fuse box
- S13 - Fuse in fuse box
- T10a - 10-pin connector, green, in plenum chamber
- T10e - 10-pin connector, black, in plenum chamber
- T10x - 10-pin connector, orange, in plenum chamber
- A2 - Positive (+) connection (15), in dash panel wiring harness
- B131 - Connection (54), in interior wiring harness
- B135 - Connection (15a), in interior wiring harness
- D140 - Connection (injectors), in engine prewiring wiring harness

Audi TT

Current Flow Diagram

No. 19 / 4



Motronic control unit, power assisted steering pressure switch, cruise control system, accelerator pedal position senders

- C22 - Interference suppression choke for airbag
- E3 - Hazard warning light switch
- E45 - Cruise control system switch
- F88 - Power assisted steering pressure switch
- G79 - Accelerator pedal position sender
- G185 - Accelerator pedal position sender -2-
- J220 - Motronic control unit
- J234 - Airbag control unit
- J429 - Central locking 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
- A125 - Connection (crash signal), in dash panel wiring harness
- B135 - Connection (15a), in interior wiring harness
- * - Models with cruise control system

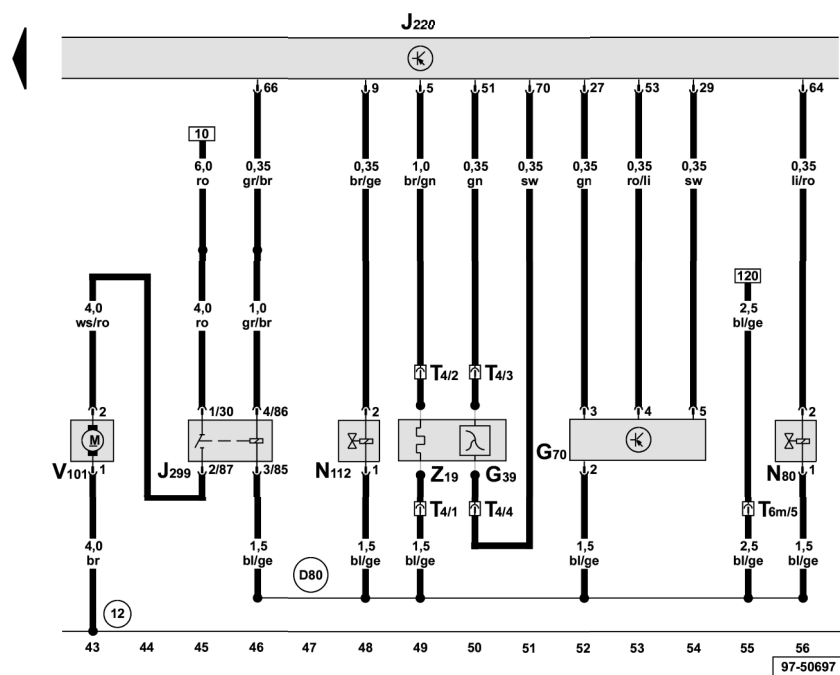
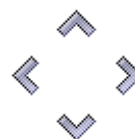
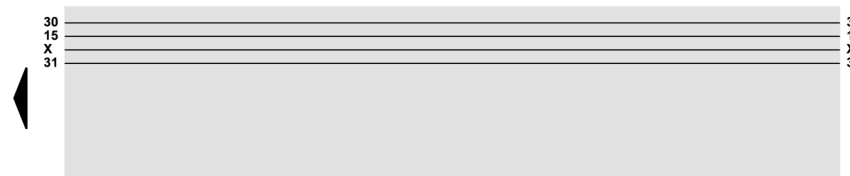
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

A97-81269

Audi TT

Current Flow Diagram

No. 19 / 5



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

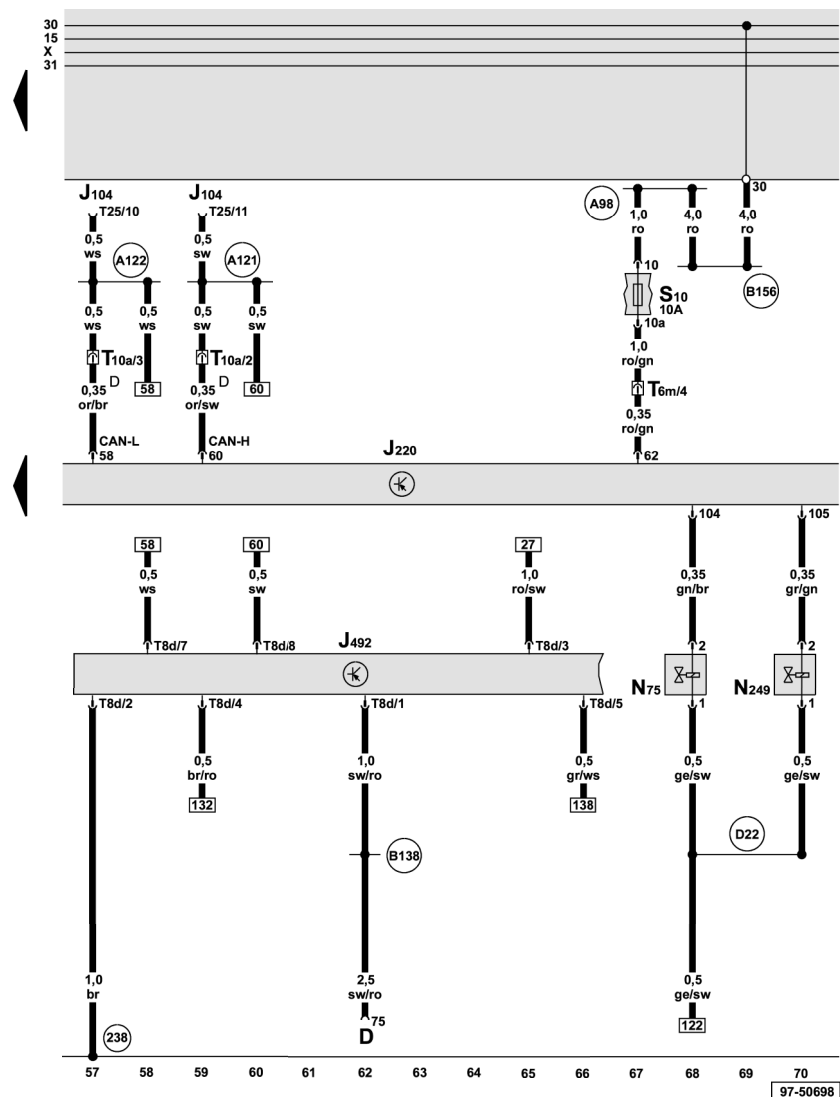
Motronic control unit, secondary air pump, lambda probe, air mass meter, activated charcoal filter system solenoid valve

- G39 - Lambda probe
- G70 - Air mass meter
- J220 - Motronic control unit
- J299 - Secondary air pump relay
- N80 - Activated charcoal filter system solenoid valve I (pulsed)
- N112 - Secondary air inlet valve
- T4 - 4-pin connector, in engine compartment, right
- T6m - 6-pin connector, brown, in plenum chamber
- V101 - Secondary air pump motor
- Z19 - Lambda probe heater
- 12 - Earth point, in engine compartment, left
- D80 - Positive (+) connection (87a - for active charcoal filter system solenoid), in engine compartment wiring harness

Audi TT

Current Flow Diagram

No. 19 / 6



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

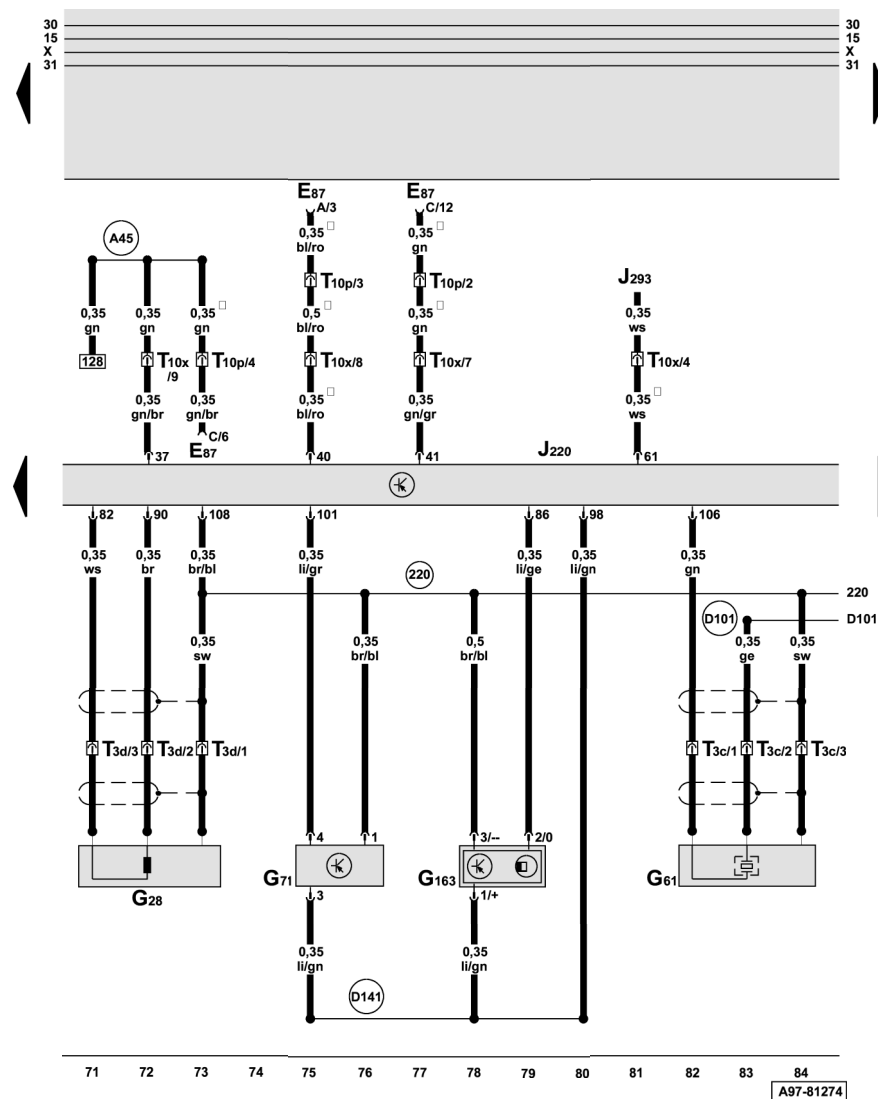
**Motronic control unit, four-wheel drive control unit,
charge pressure control solenoid valve, turbocharger
divert air valve**

- D - Ignition/starter switch
- J104 - ABS with EDL control unit
- J220 - Motronic control unit
- J492 - Four-wheel drive control unit
- N75 - Charge pressure control solenoid valve
- N249 - Turbocharger divert air valve
- S10 - Fuse in fuse box
- T6m - 6-pin connector, brown, in plenum chamber
- T8d - 8-pin connector, on four-wheel drive control unit
- T10a - 10-pin connector, green, in plenum chamber
- T25 - 25-pin connector, on ABS control unit
- A98 - Positive (+) connection -4- (30), in dash panel wiring harness
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), in dash panel wiring harness
- B138 - Positive (+) connection (X), in interior wiring harness, near micro-central electrics
- B156 - Positive (+) connection -4- (30), in interior wiring harness
- D22 - Connection (via fuse 234), in front right wiring harness
- - CAN bus (Data wire)

Audi TT

Current Flow Diagram

No. 19 / 7



Motronic control unit, engine speed sender, intake manifold pressure sender, Hall sender, knock sensor 1

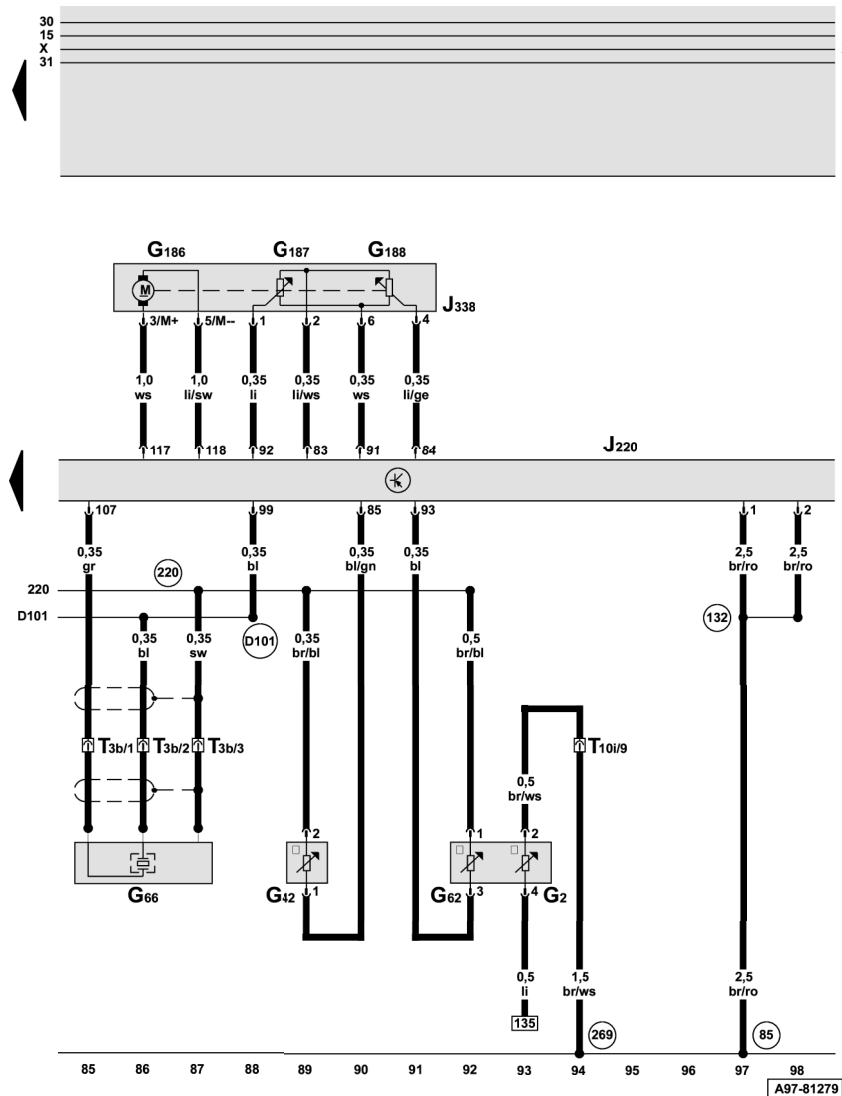
- E87 - Control and display unit for air conditioner
- G28 - Engine speed sender
- G61 - Knock sensor 1
- G71 - Intake manifold pressure sender
- G163 - Hall sender
- J220 - Motronic control unit
- J293 - Radiator fan control unit
- T3c - 3-pin connector, brown, in engine compartment, left
- T3d - 3-pin connector, grey, in engine compartment, left
- T10p - 10-pin connector, behind dash panel, right
- T10x - 10-pin connector, orange, in plenum chamber
- 220 - Earth connection (sender earth), in engine wiring harness
- A45 - Connection (engine speed signal), in dash panel wiring harness
- D101 - Connection -1-, in engine compartment wiring harness
- D141 - Connection (5V), in engine prewiring wiring harness
- * - Only models with air conditioner

A97-81274

Audi TT

Current Flow Diagram

No. 19 / 8



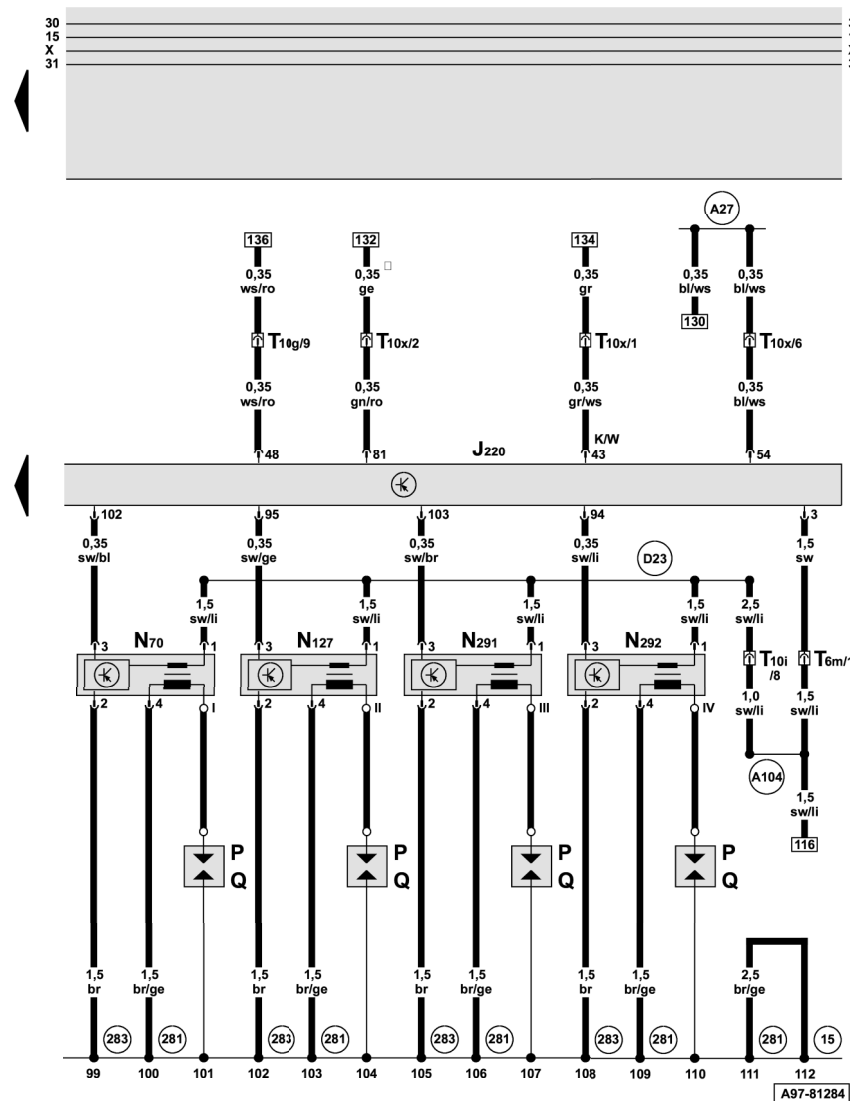
Motronic control unit, knock sensor 2, intake air temperature sender, coolant temperature sender, throttle valve control unit

- G2 - Coolant temperature sender
- G42 - Intake air temperature sender
- G62 - Coolant temperature sender
- G66 - Knock sensor 2
- G186 - Throttle valve drive (electric throttle operation)
- G187 - Throttle valve drive angle sender -1- (electric throttle operation)
- G188 - Throttle valve drive angle sender -2- (electric throttle operation)
- J220 - Motronic control unit
- J338 - Throttle valve control unit
- T3b - 3-pin connector, black, in engine compartment, left
- T10i - 10-pin connector, in engine compartment, left
- 85 - Earth connection -1-, in engine compartment wiring harness
- 132 - Earth connection -3-, 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
- D101 - Connection -1-, in engine compartment wiring harness

Audi TT

Current Flow Diagram

No. 19 / 9



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

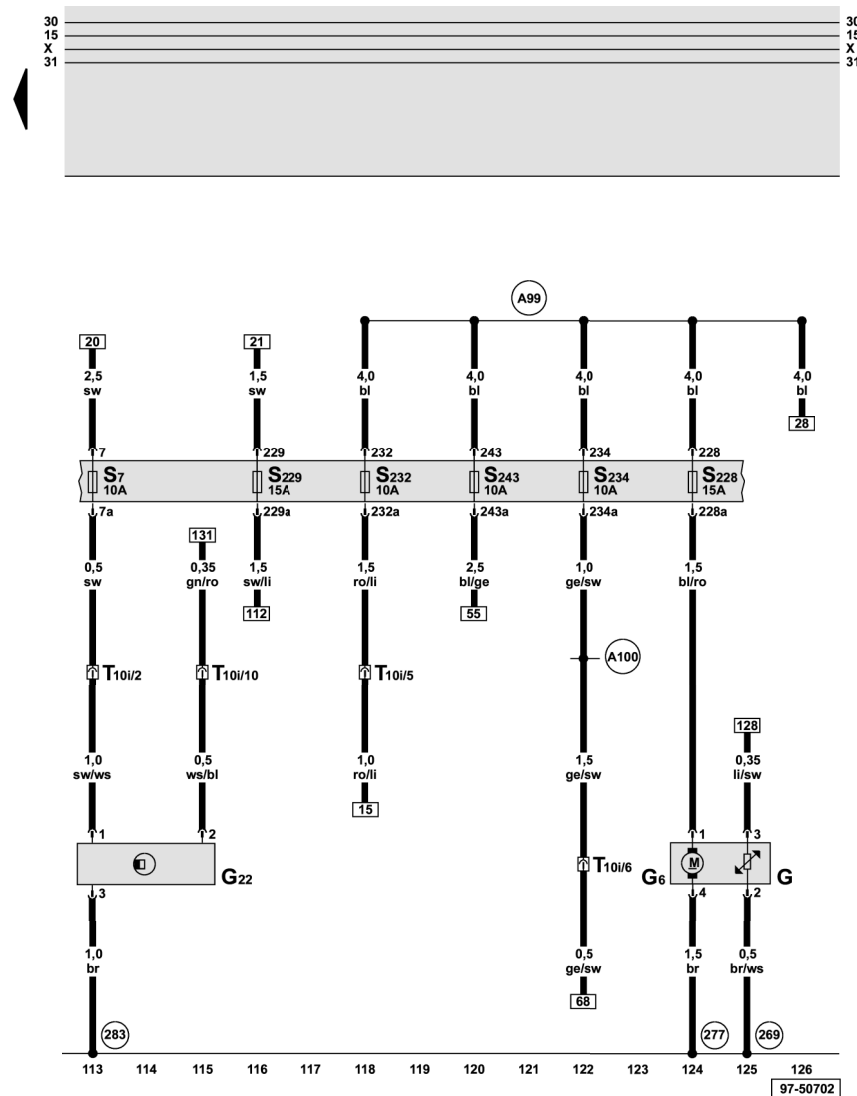
Motronic control unit, ignition coils

- J220 - Motronic control unit
- N70 - Ignition coil 1 with output stage
- N127 - Ignition coil 2 with output stage
- N291 - Ignition coil 3 with output stage
- N292 - Ignition coil 4 with output stage
- P - Spark plug connector
- Q - Spark plug
- T6m - 6-pin connector, brown, in plenum chamber
- T10g - 10-pin connector, blue, in plenum chamber
- T10i - 10-pin connector, in engine compartment, left
- T10x - 10-pin connector, orange, in plenum chamber
- 15 - Earth point, on cylinder head
- 281 - Earth connection -1-, in engine prewiring wiring harness
- 283 - Earth connection -2-, in engine prewiring wiring harness
- A27 - Connection (speed signal), in dash panel wiring harness, near micro-central electrics
- A104 - Connection -2- (15), in dash panel wiring harness
- D23 - Connection (via fuse 229), in front right wiring harness
- * - Only models with on-board computer

Audi TT

Current Flow Diagram

No. 19 / 10



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

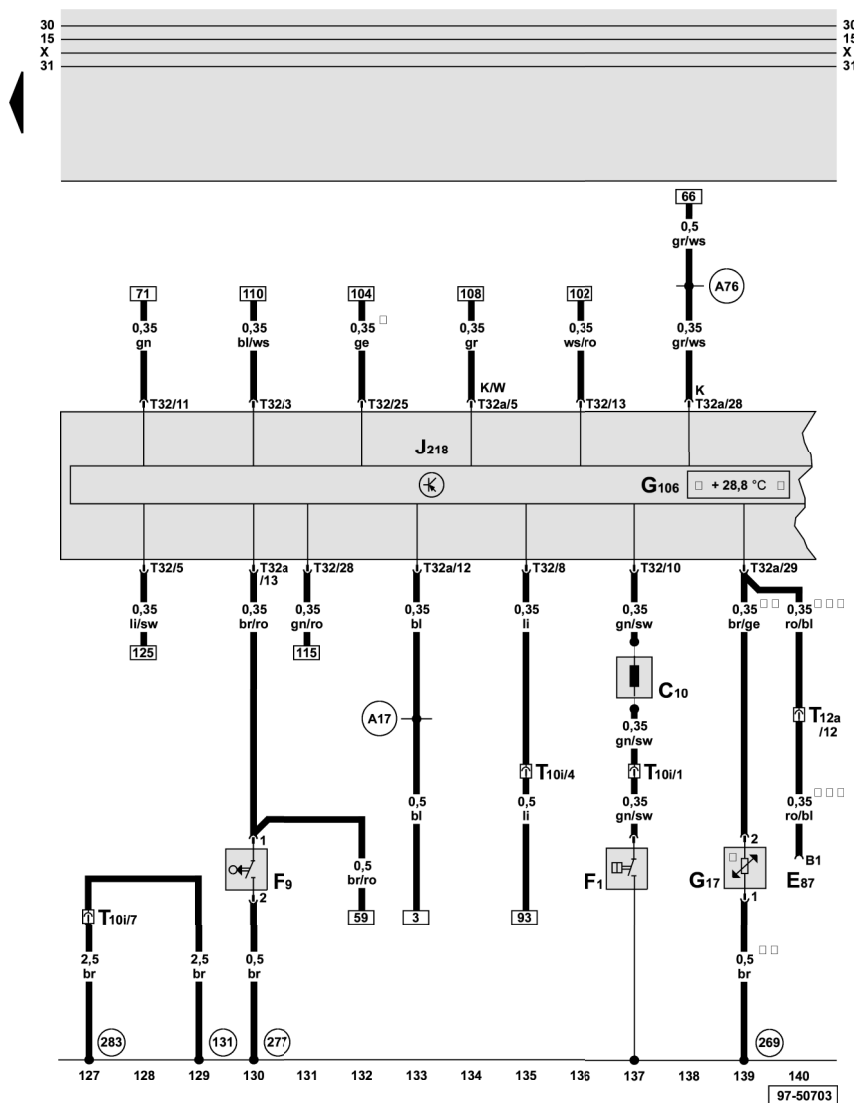
Fuses, speedometer sender, fuel gauge sender, fuel pump

- G - Fuel gauge sender
- G6 - Fuel pump (pre-supply pump)
- G22 - Speedometer sender (Hall sender on gearbox)
- S7 - Fuse in fuse box
- S228 - Fuse in fuse box
- S229 - Fuse in fuse box
- S232 - Fuse in fuse box
- S234 - Fuse in fuse box
- S243 - Fuse in fuse box
- T10i - 10-pin connector, in engine compartment, left
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- 277 - Earth connection -3-, in interior wiring harness
- 283 - Earth connection -2-, in engine prewiring wiring harness
- A99 - Connection -1- (87), in dash panel wiring harness
- A100 - Connection -2- (87), in dash panel wiring harness

Audi TT

Current Flow Diagram

No. 19 / 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, handbrake warning switch, oil pressure switch, ambient temperature sensor

- C10 - Suppression filter
- E87 - Control and display unit for air conditioner
- F1 - Oil pressure switch
- F9 - Handbrake warning switch
- G17 - Ambient temperature sensor
- G106 - Ambient temperature indicator
- J218 - Combi-processor in dash panel insert
- T10i - 10-pin connector, in engine compartment, left
- T12a - 12-pin connector, behind dash panel, right
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- 131 - Earth connection -2-, in engine compartment wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- 277 - Earth connection -3-, in interior wiring harness, behind dash panel
- 283 - Earth connection -2-, in engine prewiring wiring harness
- A17 - Connection (61), in dash panel wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- * - Models with on-board computer
- ** - Models without air conditioner
- *** - Models with air conditioner, see Current Flow Diagram: Air conditioner

97-50703