

Audi A4

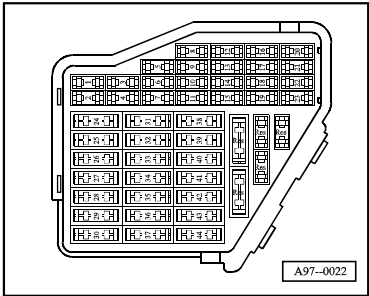
Current Flow Diagram

No. 25/1

1.8 litre - Motronic, 110 kW, 4-cylinder, engine code AWT

From model year 2001

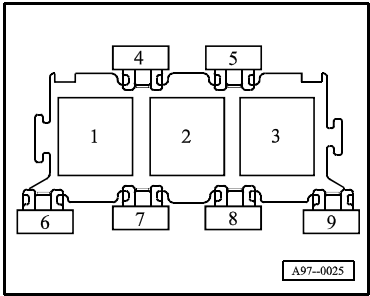
Fuse box



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.

3-point relay carrier



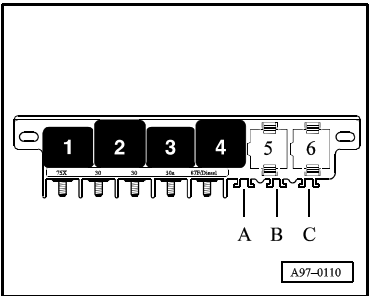
Position of relays:

- 2 - Secondary air pump relay
- 3 - Current supply relay

Position of fuses:

- 5 - Fuse for camshaft adjustment valve
- 7 - Secondary air pump fuse

Micro-central electrics



Position of relays:

- 4 - Fuel pump relay

Position of fuses:

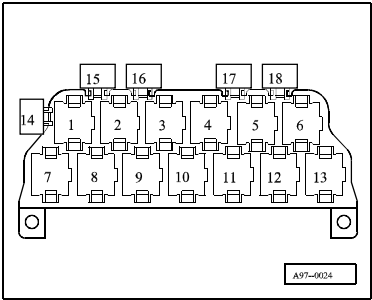
- C - Vacuum pump fuse

Audi A4

Current Flow Diagram

No. 25/2

13-point relay carrier:



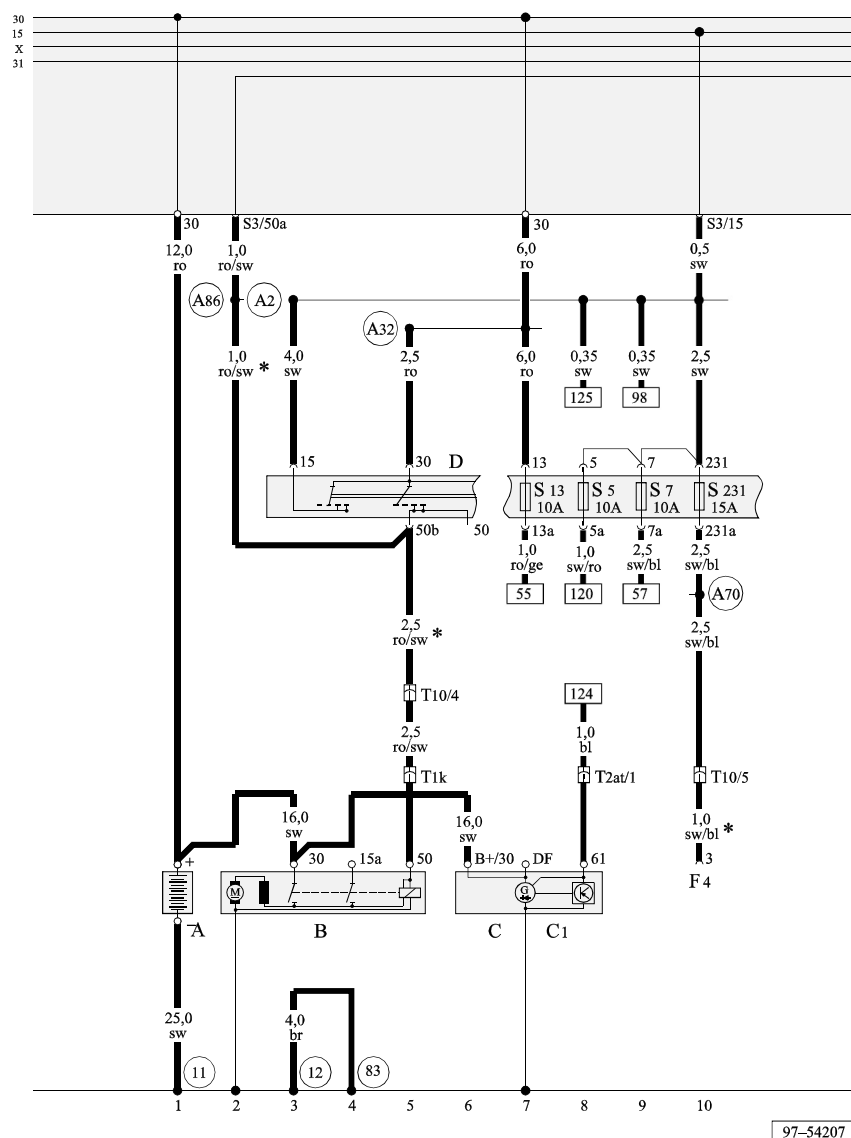
Position of relays:

**10** - Vacuum pump relay

## Audi A4

## Current Flow Diagram

No. 25 / 2



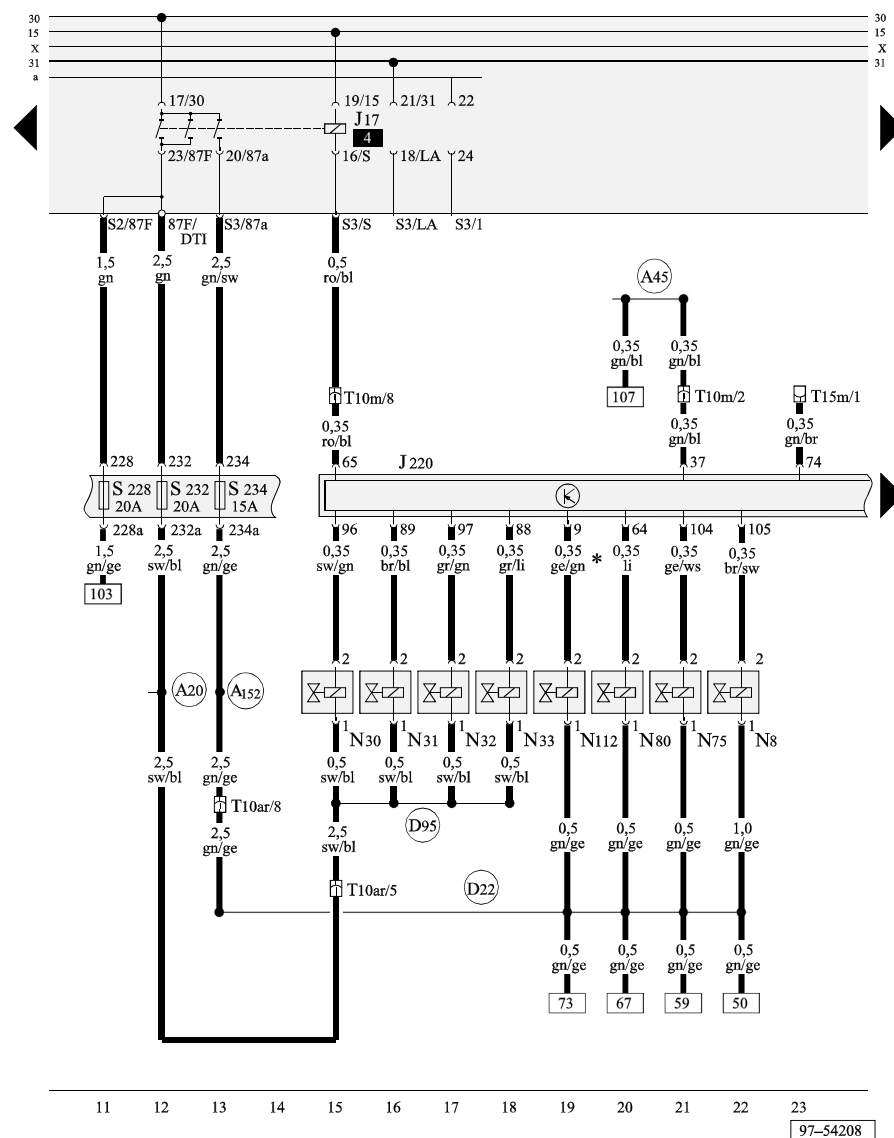
## Battery, starter, alternator

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F4 - Reversing light switch
- S5 - Fuse in fuse box/relay plate
- S7 - Fuse in fuse box/relay plate
- S13 - Fuse in fuse box/relay plate
- S231 - Fuse in fuse box
- T1k - Single connector, black, in engine compartment, right
- T2at - 2-pin connector, black, in engine compartment, right
- T10 - 10-pin connector, brown, connector point, electronics box, in plenum chamber
- 11 - Earth point, in battery box
- 12 - Earth point, in engine compartment, left
- 83 - Earth connection -1-, in front right wiring harness
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A32 - Positive (+) connection (30), in dash panel wiring harness
- A70 - Connection (15a, fuse 231), in dash panel wiring harness
- A86 - Connection (50a), in dash panel wiring harness
- \* - Does not apply to automatic gearbox

## Audi A4

## Current Flow Diagram

No. 25 / 3



**Motronic control unit, fuel pump relay, injectors, secondary air inlet valve, activated charcoal filter system solenoid valve 1, charge pressure control solenoid valve**

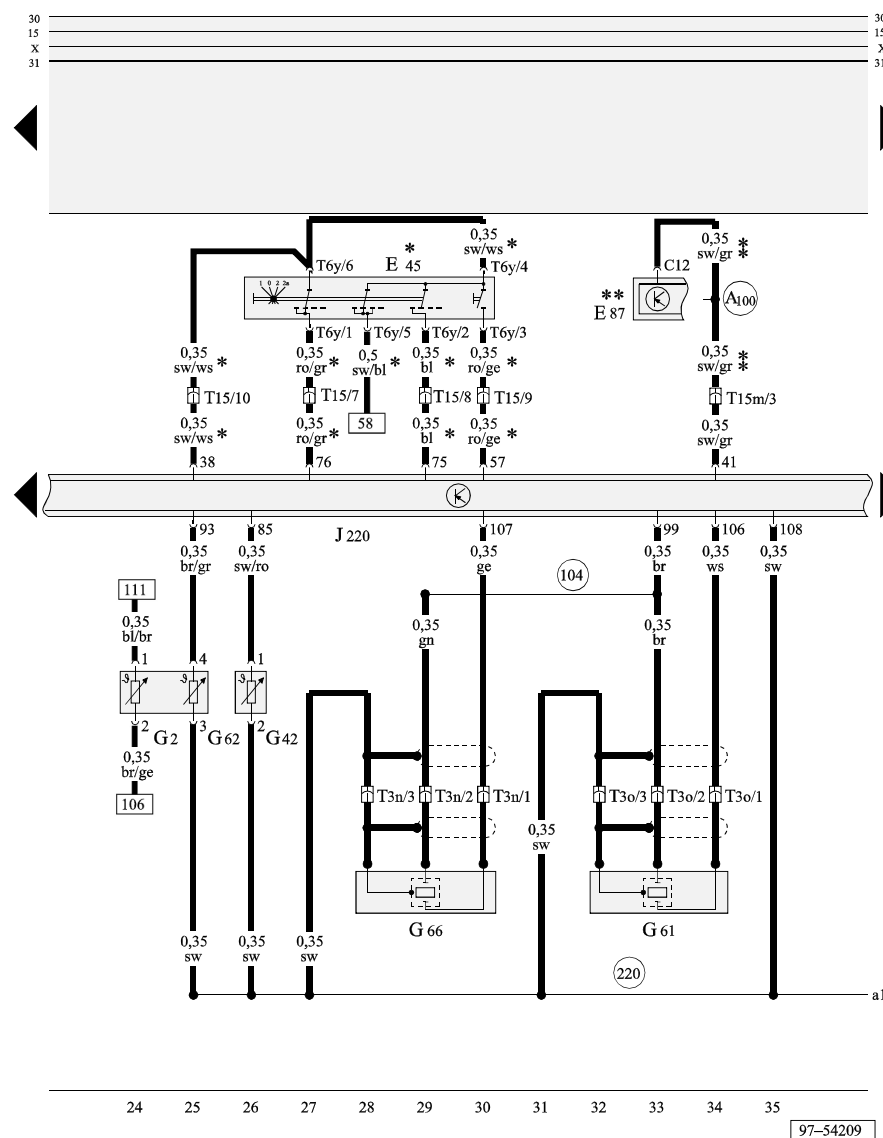
- J17 - Fuel pump relay
- J220 - Motronic control unit
- N8 - By-pass air cut-off valve
- N30 - Injector, cylinder 1
- N31 - Injector, cylinder 2
- N32 - Injector, cylinder 3
- N33 - Injector, cylinder 4
- N75 - Charge pressure control solenoid valve
- N80 - Activated charcoal filter system solenoid valve 1
- N112 - Secondary air inlet valve
- S228 - Fuse in fuse box
- S232 - Fuse in fuse box
- S234 - Fuse in fuse box
- T10m - 10-pin connector, black, connector point, electronics box, plenum chamber
- T10ar - 10-pin connector, orange, connector point, electronics box, plenum chamber
- T15m - 15-pin connector, red, connector point, electronics box, plenum chamber
- A20 - Connection (15a), in dash panel wiring harness
- A45 - Connection (engine speed signal), in dash panel wiring harness
- A152 - Connection -5- (87), in dash panel wiring harness
- D22 - Connection (via fuse 234), in front right wiring harness
- D95 - Connection (injectors), in engine compartment wiring harness

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

No. 25 / 4



### Motronic control unit, intake air temperature sender, coolant temperature senders, knock sensor

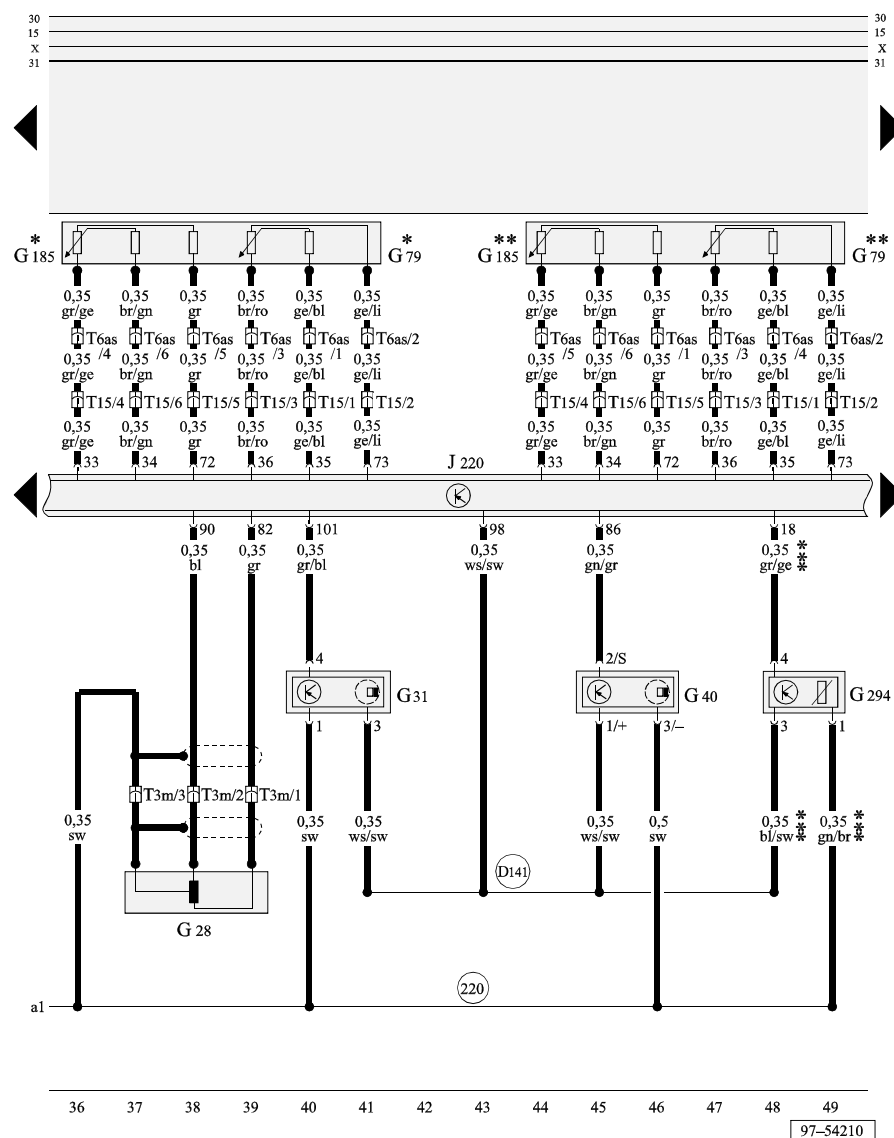
- E45 - Cruise control system switch
- E87 - Control and display unit for air conditioner/Climatronic
- G2 - Coolant temperature sender
- G42 - Intake air temperature sender
- G61 - Knock sensor I
- G62 - Coolant temperature sender
- G66 - Knock sensor II
- J220 - Motronic control unit
- T3n - 3-pin connector, blue, in engine compartment, left
- T3o - 3-pin connector, green, in engine compartment, left
- T6y - 6-pin connector, black, next to steering column
- T15 - 15-pin connector, white, connector point, electronics box, plenum chamber
- T15m - 15-pin connector, red, connector point, electronics box, plenum chamber
- 104 - Earth connection, in front right wiring harness (sensor earth)
- 220 - Earth connection (sender earth), in engine wiring harness
- A100 - Connection -2- (87), in dash panel wiring harness
- \* - Only models with cruise control system
- \*\* - Only models with air conditioner

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

No. 25 / 5



### Motronic control unit, accelerator pedal position senders, Hall sender, engine speed sender

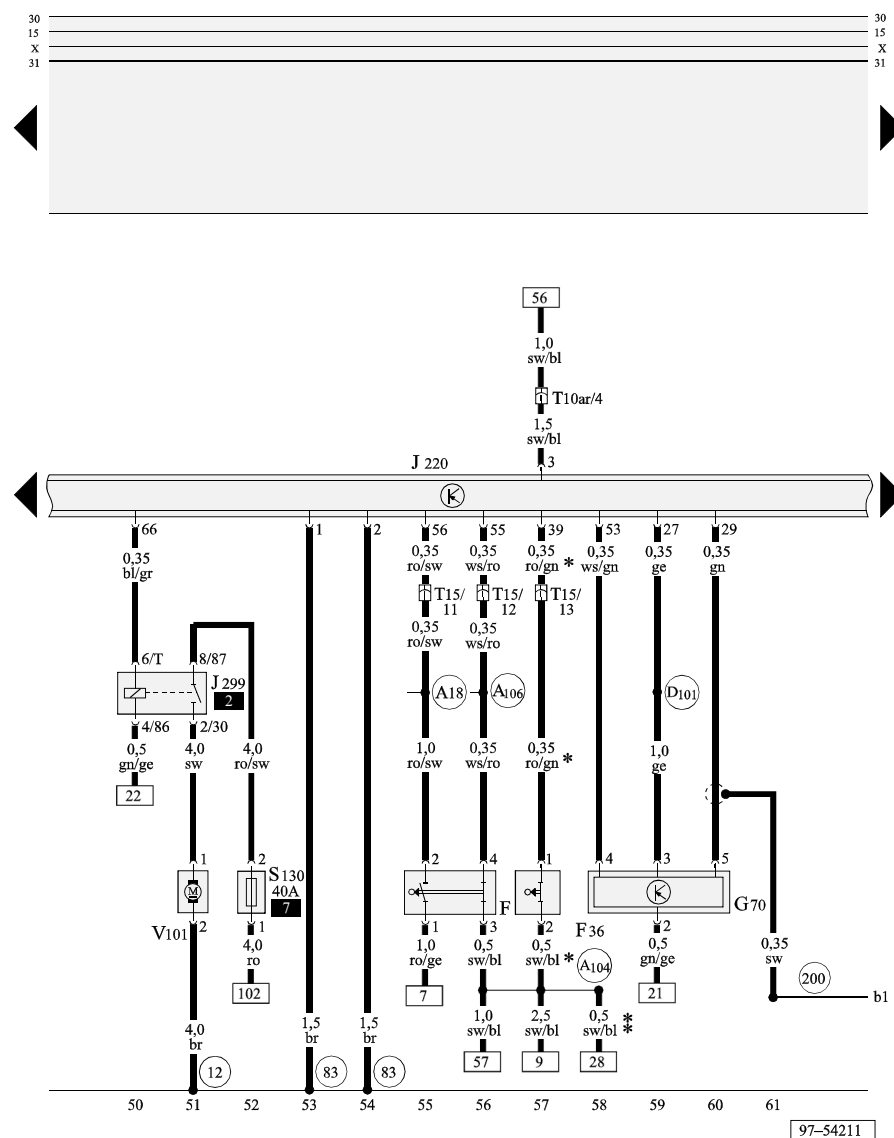
- G28 - Engine speed sender
- G31 - Charge air pressure sender
- G40 - Hall sender
- G79 - Accelerator pedal position sender
- G185 - Accelerator pedal position sender -2-
- G294 - Brake servo pressure sensor
- J220 - Motronic control unit
- T3m - 3-pin connector, grey, in engine compartment, left
- T6as - 6-pin connector, black, near accelerator pedal position sender
- T15 - 15-pin connector, white, connector point, electronics box, plenum chamber
- 220 - Earth connection (sender earth), in engine wiring harness
- D141 - Connection (5V), in engine prewiring wiring harness
- \* - Applicable up to model year 2000
- \*\* - Applicable from model year 2001 (phased-in modification)
- \*\*\* - Only models with automatic gearbox (from model year 2002)

97-54210

## Audi A4

## Current Flow Diagram

No. 25 / 6

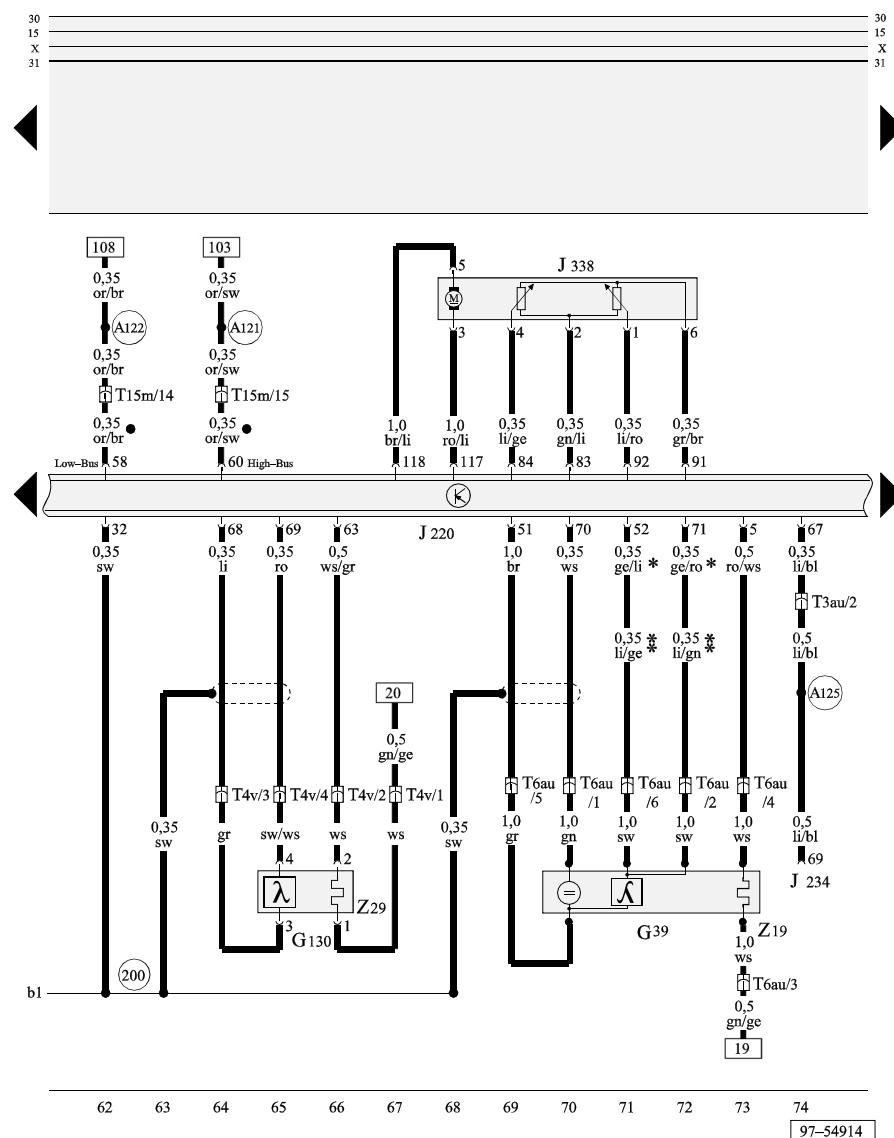
**Motronic control unit, air mass meter, secondary air pump motor**

- F - Brake light switch
- F36 - Clutch pedal switch
- G70 - Air mass meter
- J220 - Motronic control unit
- J299 - Secondary air pump relay
- S130 - Secondary air pump fuse
- T10ar - 10-pin connector, orange, connector point, electronics box, plenum chamber
- T15 - 15-pin connector, white, connector point, electronics box, plenum chamber
- V101 - Secondary air pump motor
- 12 - Earth point, in engine compartment, left
- 83 - Earth connection -1-, in front right wiring harness
- 200 - Earth connection (screening), in engine compartment wiring harness
- A18 - Connection (54), in dash panel wiring harness
- A104 - Positive (+) connection -2- (15), in dash panel wiring harness
- A106 - Connection -2- (86s), in dash panel wiring harness
- D101 - Connection -1-, in engine compartment wiring harness
- \* - Does not apply to automatic gearbox
- \*\* - Only models with cruise control system

## Audi A4

## Current Flow Diagram

No. 25 / 7

**Motronic control unit, throttle valve control unit, lambda probe**

- G39 - Lambda probe
- G130 - Lambda probe downstream of catalytic converter
- J220 - Motronic control unit
- J234 - Airbag control unit
- J338 - Throttle valve control unit
- T3au - 3-pin connector, red, connector point, electronics box, plenum chamber
- T4v - 4-pin connector, brown, in engine compartment, left
- T6au - 6-pin connector, black, in engine compartment, left
- T15m - 15-pin connector, red, connector point, electronics box, plenum chamber
- Z19 - Lambda probe heater
- Z29 - Lambda probe 1 heater, downstream of catalytic converter
- 200 - Earth connection (screening), in engine compartment wiring harness
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), in dash panel wiring harness
- A125 - Connection (crash signal), in dash panel wiring harness
- \* - Applicable up to model year 2001
- \*\* - Applicable from model year 2002
- - Data wire

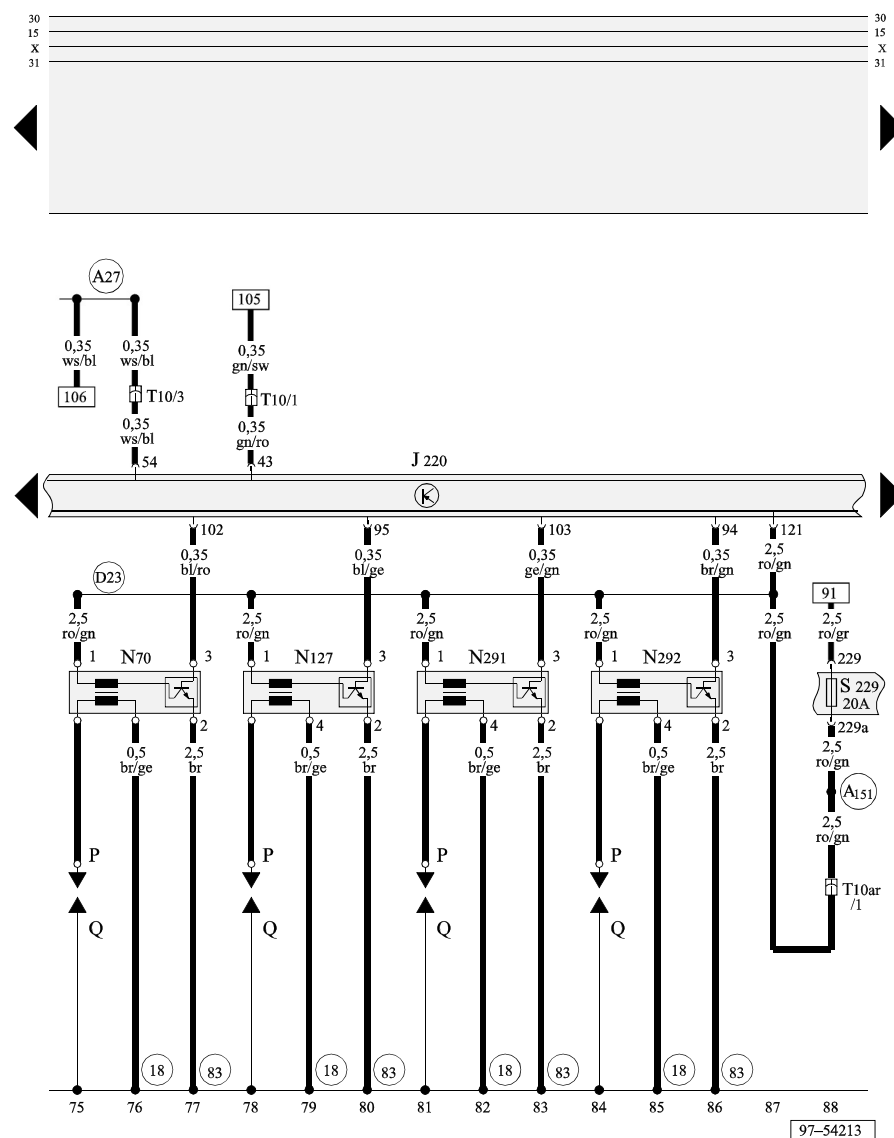
ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
 ge = yellow  
 or = orange  
 rs = pink



## Audi A4

## Current Flow Diagram

No. 25 / 8

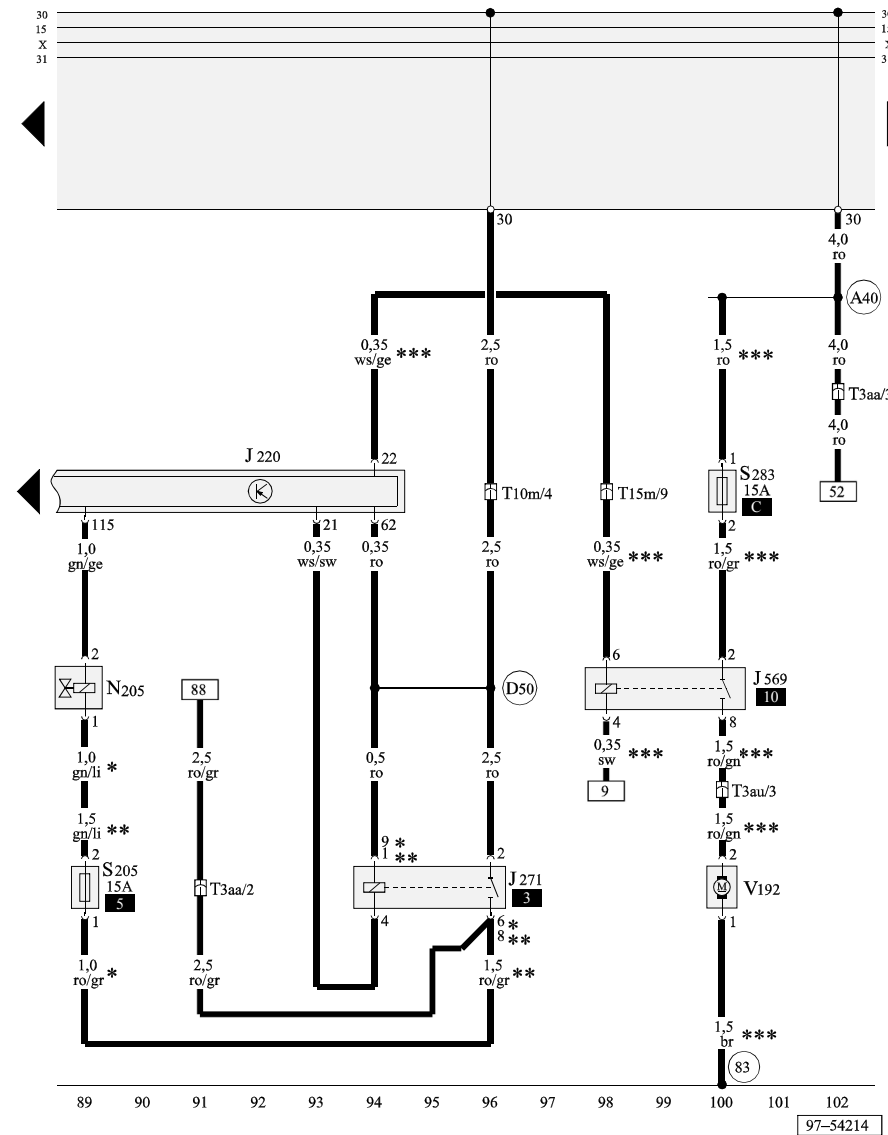
**Motronic control unit, ignition coils with output stages**

- 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 plugs
- S229 - Fuse in fuse box
- T10 - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T10ar - 10-pin connector, orange, connector point, electronics box, plenum chamber
- 18 - Earth point, on cylinder block
- 83 - Earth connection -1-, in front right wiring harness
- A27 - Connection (speed signal), in dash panel wiring harness
- A151 - Connection -4- (87), in dash panel wiring harness
- D23 - Connection (via fuse 229), in front right wiring harness

## Audi A4

## Current Flow Diagram

No. 25 / 9

**Motronic control unit, Motronic current supply relay, vacuum pump for brakes**

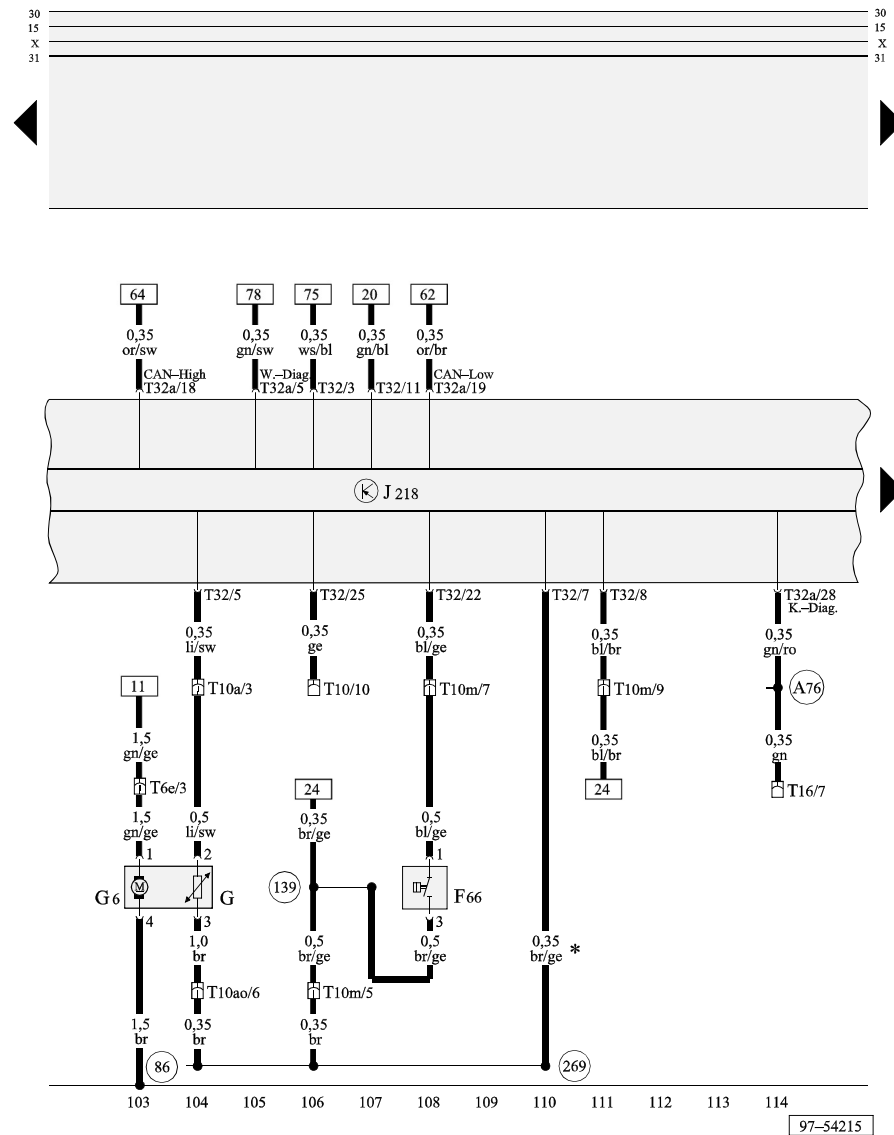
- J220 - Motronic control unit
- J271 - Motronic current supply relay
- J569 - Brake servo relay
- N205 - Inlet camshaft timing adjustment valve -1-
- S205 - Fuse -2- (30)
- S283 - Brake vacuum pump fuse
- T3aa - 3-pin connector, white, connector point, electronics box, plenum chamber
- T3au - 3-pin connector, red, connector point, electronics box, plenum chamber
- T10m - 10-pin connector, black, connector point, electronics box, plenum chamber
- T15m - 15-pin connector, red, connector point, electronics box, plenum chamber
- V192 - Vacuum pump for brakes
- 83 - Earth connection -1-, in front right wiring harness
- A40 - Positive (+) connection -1- (30), in dash panel wiring harness
- D50 - Positive (+) connection (30), in engine compartment wiring harness
- \* - Applicable up to model year 2001
- \*\* - Applicable from model year 2002
- \*\*\* - Only models with automatic gearbox (from model year 2002)

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

No. 25 / 10



## Dash panel insert, coolant shortage indicator switch, fuel gauge sender, fuel pump, diagnostic connector

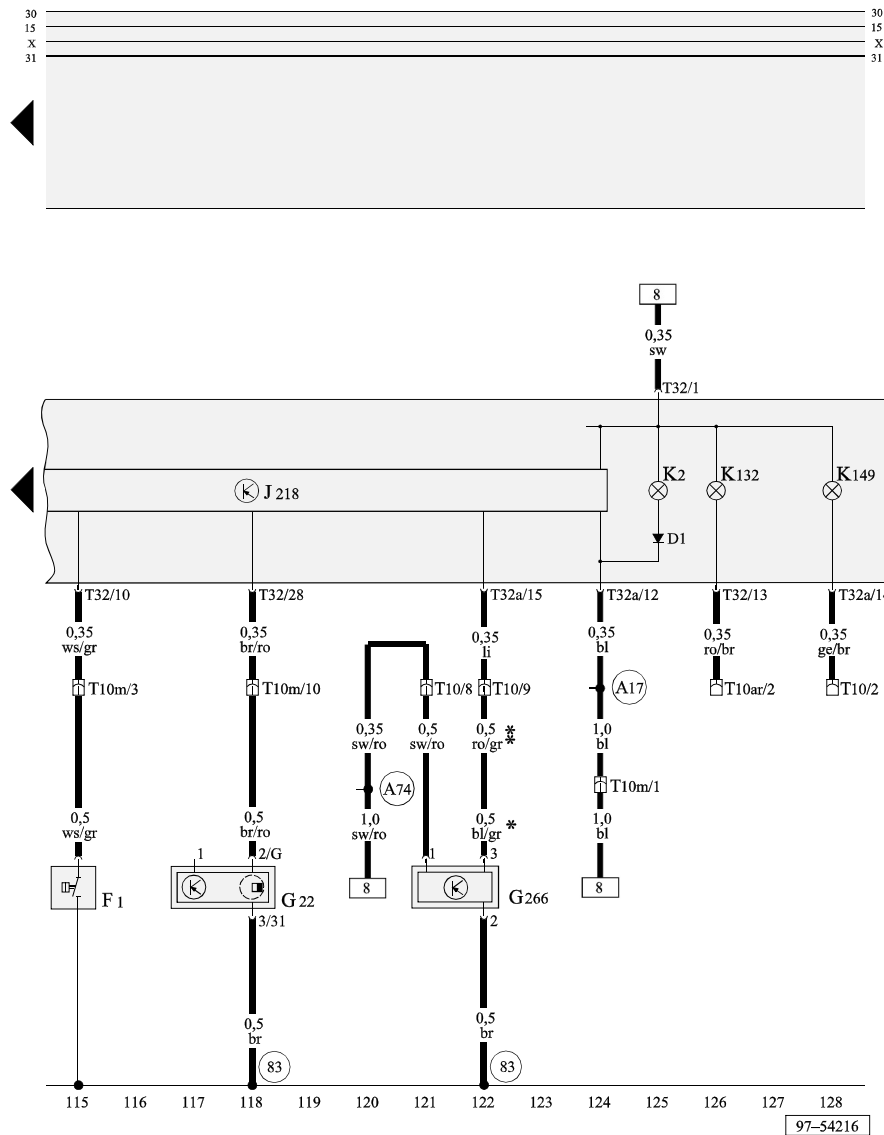
- F66 - Coolant shortage indicator switch
- G - Fuel gauge sender
- G6 - Fuel pump
- J218 - Combi-processor in dash panel insert
- T6e - 6-pin connector, blue, left connector point, A pillar
- T10 - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T10a - 10-pin connector, brown, left connector point, A pillar
- T10m - 10-pin connector, black, connector point, electronics box, plenum chamber
- T10ao - 10-pin connector, white, left connector point, A pillar
- T16 - 16-pin connector, diagnostic connector
- 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
- 139 - Earth connection (sender earth), in Motronic wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- \* - Output for signal earth

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

No. 25 / 11



## Dash panel insert, warning lamps, speedometer sender, oil pressure switch, oil level/oil temperature sender

- F1 - Oil pressure switch
- G22 - Speedometer sender
- G266 - Oil level/oil temperature sender
- J218 - Combi-processor in dash panel insert
- K2 - Alternator warning lamp
- K132 - Electronic power control fault lamp
- K149 - Engine electronics warning lamp
- T10 - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T10m - 10-pin connector, black, connector point, electronics box, plenum chamber
- T10ar - 10-pin connector, orange, 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
- A17 - Connection (61), in dash panel wiring harness
- A74 - Connection (15a, fuse 5), in dash panel wiring harness
- \* - Applicable up to model year 2000
- \*\* - Applicable from model year 2001

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