

# Audi A4

## Current Flow Diagram

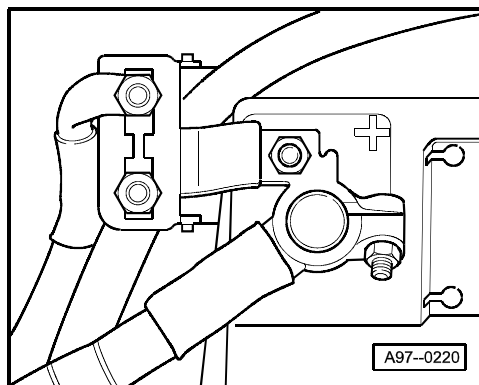
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Edition 09.2002

### 2.0 litre fuel injection engine (96 kW - Motronic - 4-cylinder), engine code ALT

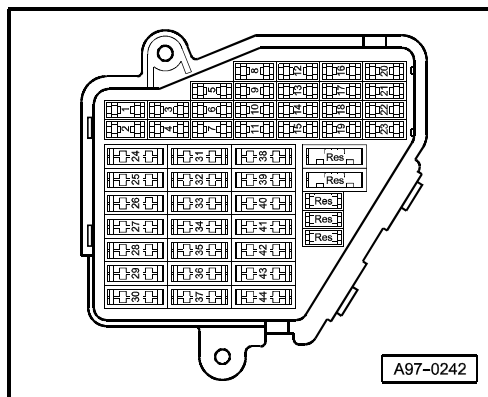
From model year 2002

#### Main fuse



- ♦ On battery

#### Fuse box



- ♦ Dash panel, driver's side

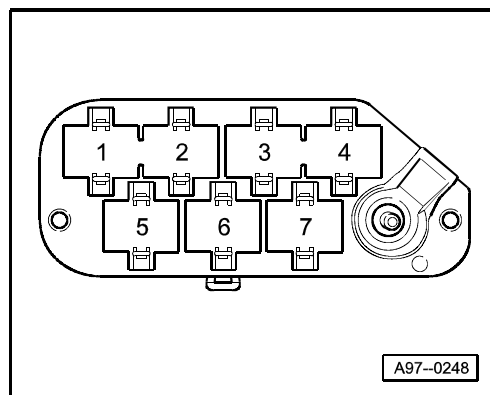


**Fuse colours**

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

**Note:**

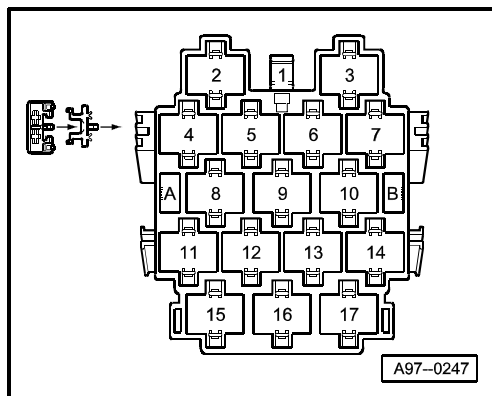
*From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.*

**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)

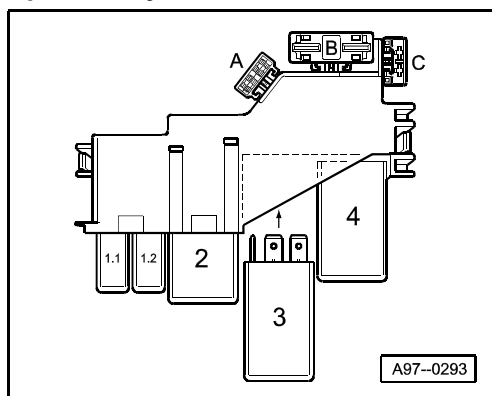
**Connector point, A pillar**





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

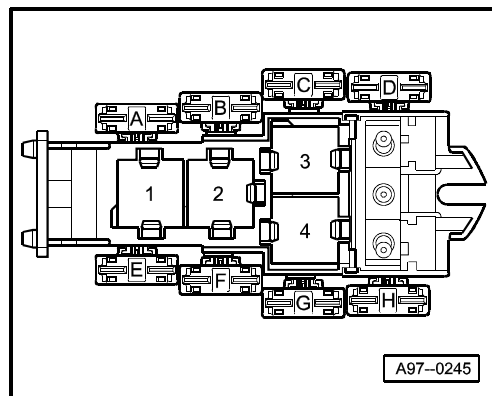
#### 4-point relay carrier



- ♦ In electronics box, plenum chamber  
3 - Motronic current supply relay  
A - Engine electronics fuse

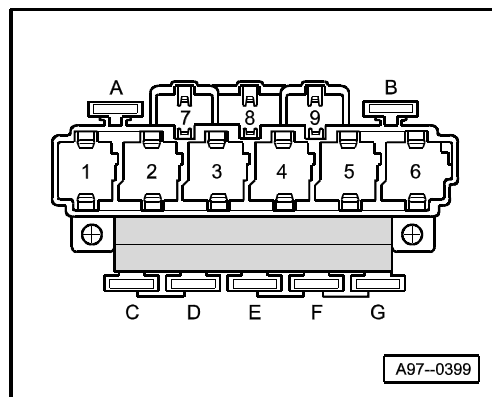
#### 4-point relay carrier with screw connection





- ◆ Dash panel, driver's side

**9-point relay carrier with vehicle voltage control unit**



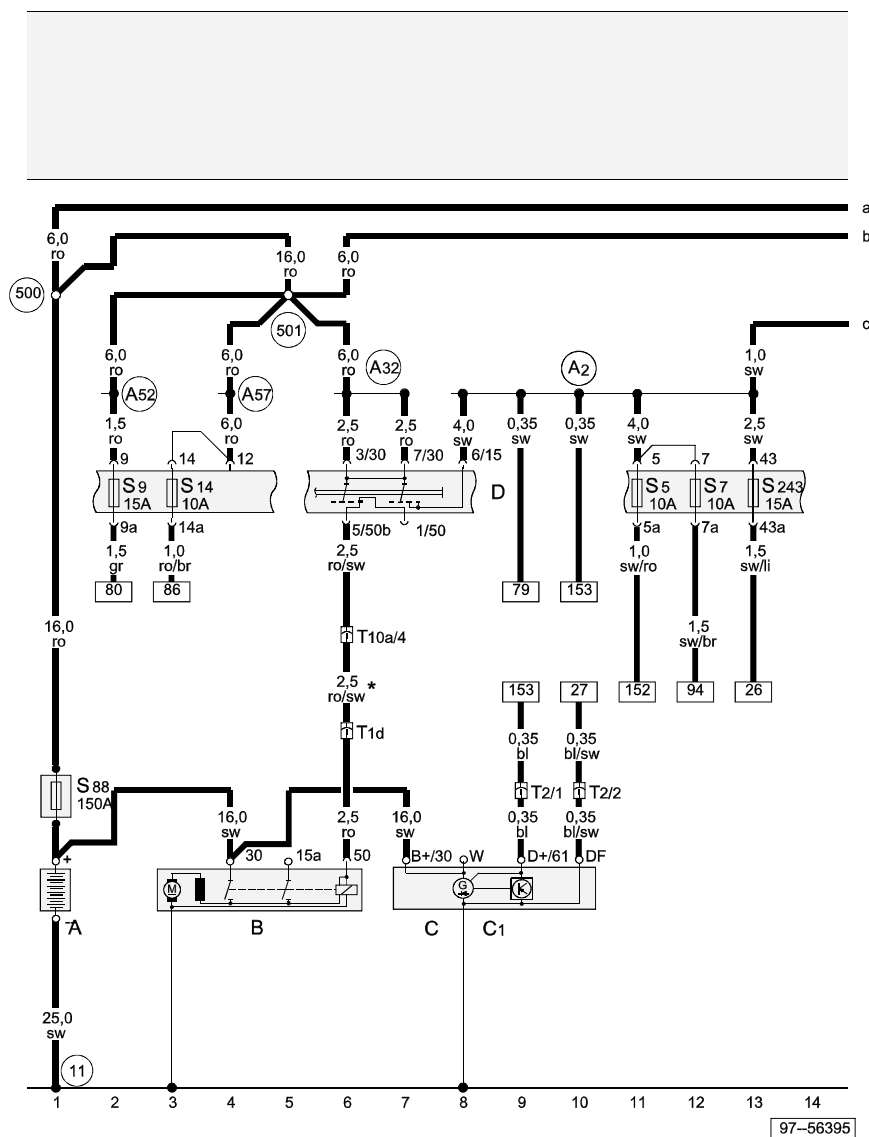
- ◆ Dash panel, driver's side, behind 3-point relay carrier
  - 1 - Fuel pump relay
  - 4 - Brake servo relay



## Audi A4

## Current Flow Diagram

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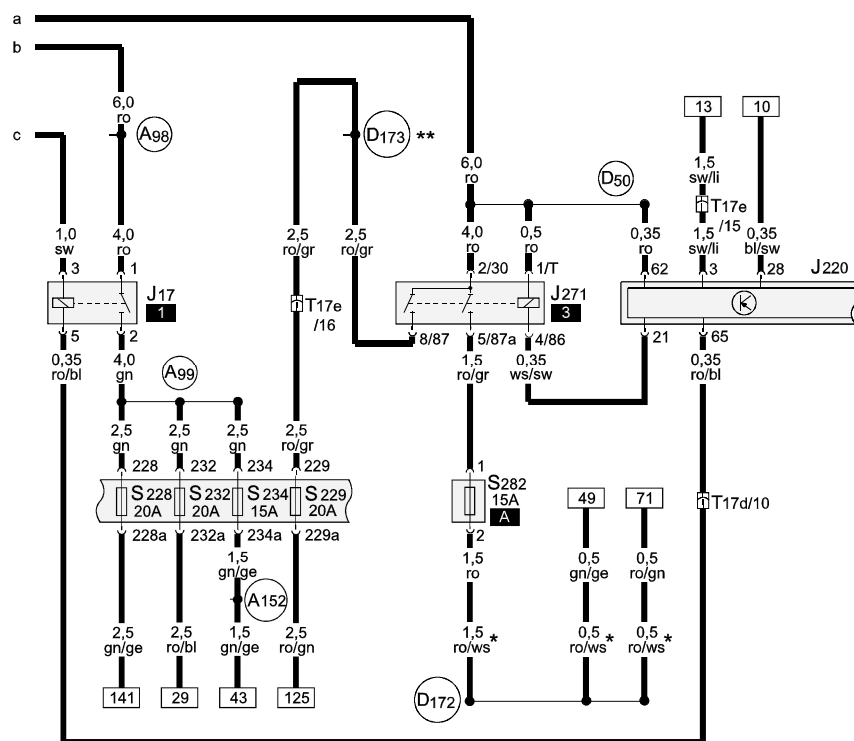
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## Audi A4

## Current Flow Diagram

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## Fuel pump relay, Motronic control unit, Motronic current supply relay, fuses

- J17 - Fuel pump relay
- J220 - Motronic control unit
- J271 - Motronic current supply relay
- S228 - Fuse in fuse box
- S229 - Fuse in fuse box
- S232 - Fuse in fuse box
- S234 - Fuse in fuse box
- S282 - Engine electronics fuse
- T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
- T17e - 17-pin connector, white, connector point, electronics box, plenum chamber
- A98 - Positive (+) connection -4- (30), in dash panel wiring harness
- A99 - Connection -1- (87), in dash panel wiring harness
- A152 - Connection -5- (87), in dash panel wiring harness
- D50 - Positive (+) connection (30), in engine compartment wiring harness
- D172 - Connection (engine electronics), in engine compartment wiring harness
- D173 - Connection (87), in engine prewiring wiring harness
- \* - Phased-in modification
- \*\* - Only models with automatic gearbox (multitronic 01J)

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

15 16 17 18 19 20 21 22 23 24 25 26 27 28

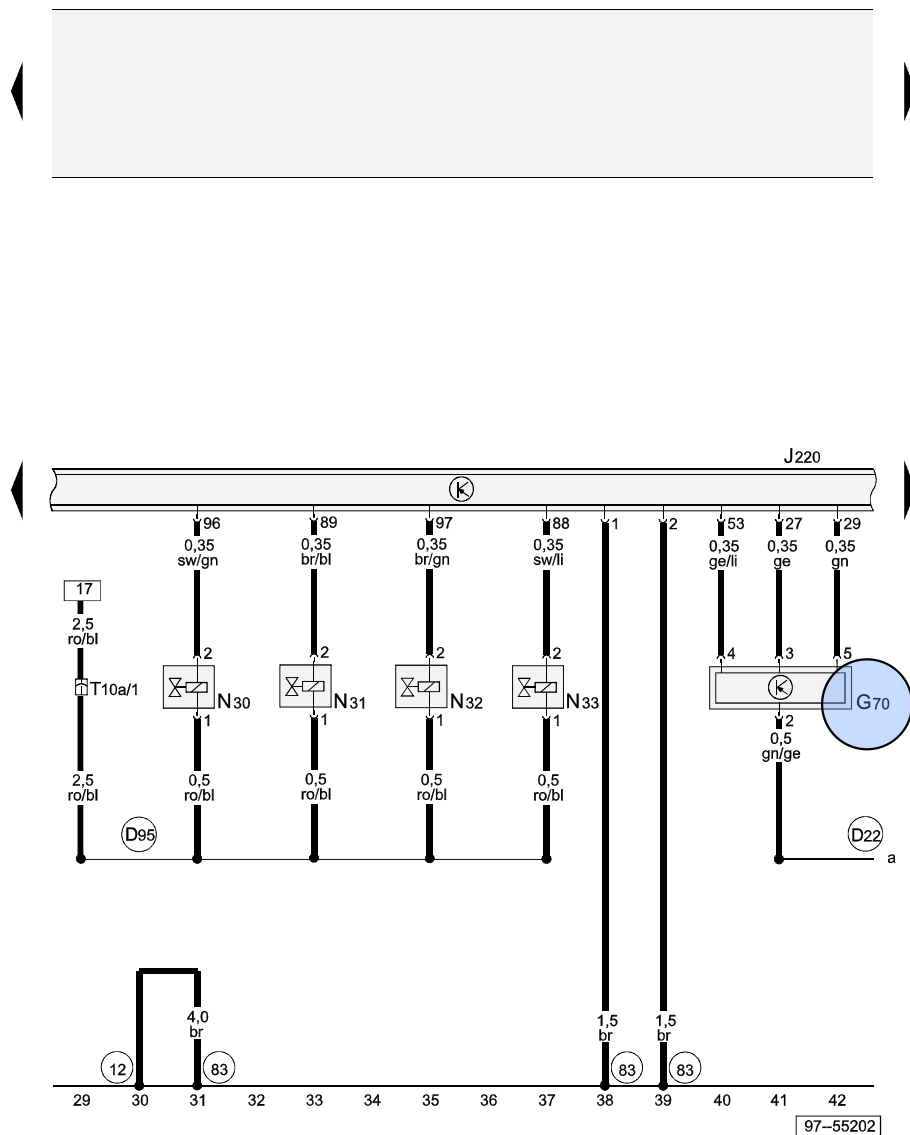
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## Audi A4

## Current Flow Diagram

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## Air mass meter, Motronic control unit, injectors

- G70** - Air mass meter
- J220** - Motronic control unit
- N30** - Injector, cylinder 1
- N31** - Injector, cylinder 2
- N32** - Injector, cylinder 3
- N33** - Injector, cylinder 4
- T10a** - 10-pin connector, brown, connector point, electronics box, plenum chamber
- 12** - Earth point, in engine compartment, left
- 83** - Earth connection -1-, in front right wiring harness
- D22** - Connection (via fuse 234), in front right wiring harness
- D95** - Connection (injectors), in engine compartment wiring harness



### Current Flow Diagram

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\* - Phased-in modification

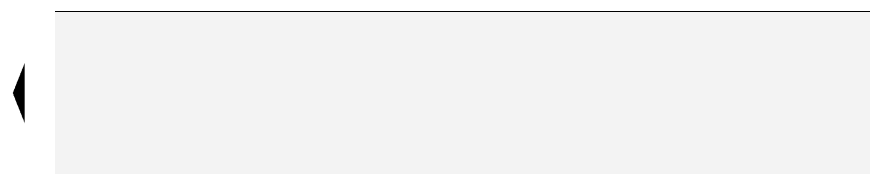
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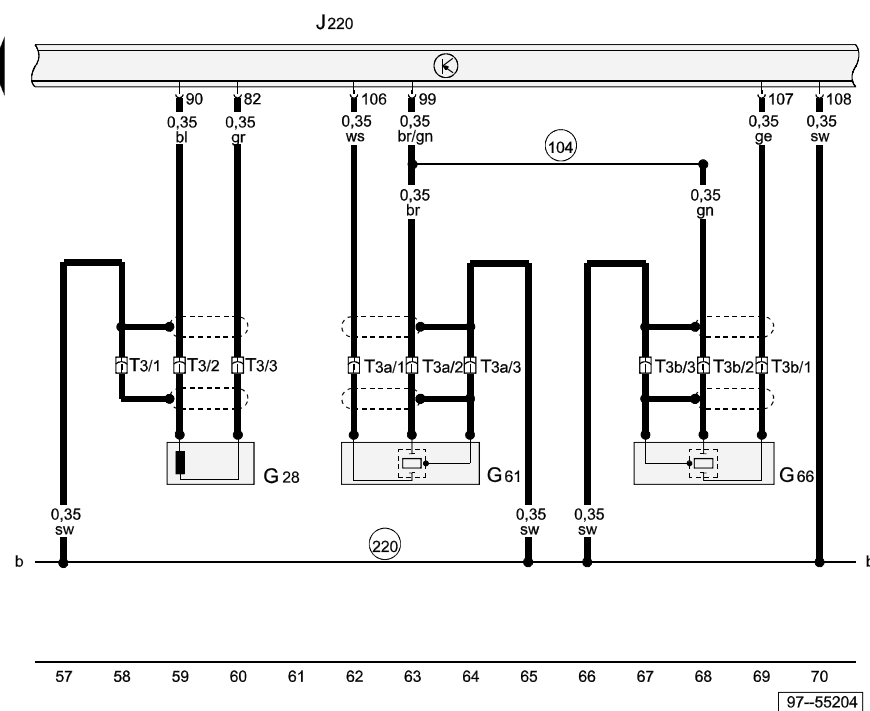
## Audi A4

## Current Flow Diagram

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**Engine speed sender, knock sensor, Motronic control unit**

- G28 - Engine speed sender
- G61 - Knock sensor I
- G66 - Knock sensor II
- J220 - Motronic control unit
- T3 - 3-pin connector, grey, on engine block
- T3a - 3-pin connector, green, on engine block
- T3b - 3-pin connector, blue, on engine block
- 104 - Earth connection, in front right wiring harness - sensor earth -
- 220 - Earth connection (sender earth), in engine wiring harness

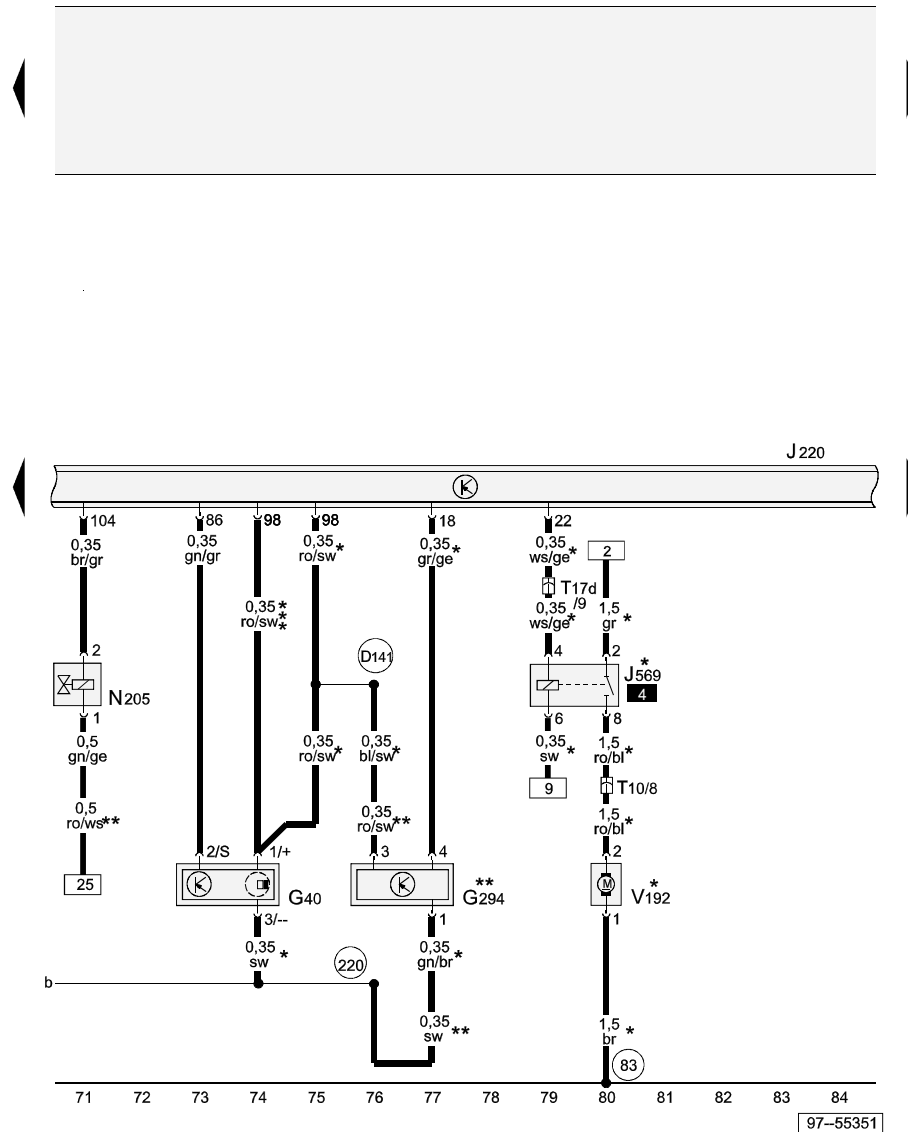




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## Current Flow Diagram

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**Motronic control unit, vacuum pump for brakes, Hall sender**

- G40 - Hall sender
- G294 - Brake servo pressure sensor
- J220 - Motronic control unit
- J569 - Brake servo relay
- N205 - Inlet camshaft timing adjustment valve -1-
- T10 - 10-pin connector, black, connector point, electronics box, plenum chamber
- T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
- V192 - Vacuum pump for brakes
- 83 - Earth connection -1-, in front right wiring harness
- 220 - Earth connection (sender earth), in engine wiring harness
- D141 - Connection (5V), in engine prewiring wiring harness
- \* - Only models with automatic gearbox (multitronic 01J or AG5)
- \*\* - Phased-in modification
- \*\*\* - Only models with manual gearbox

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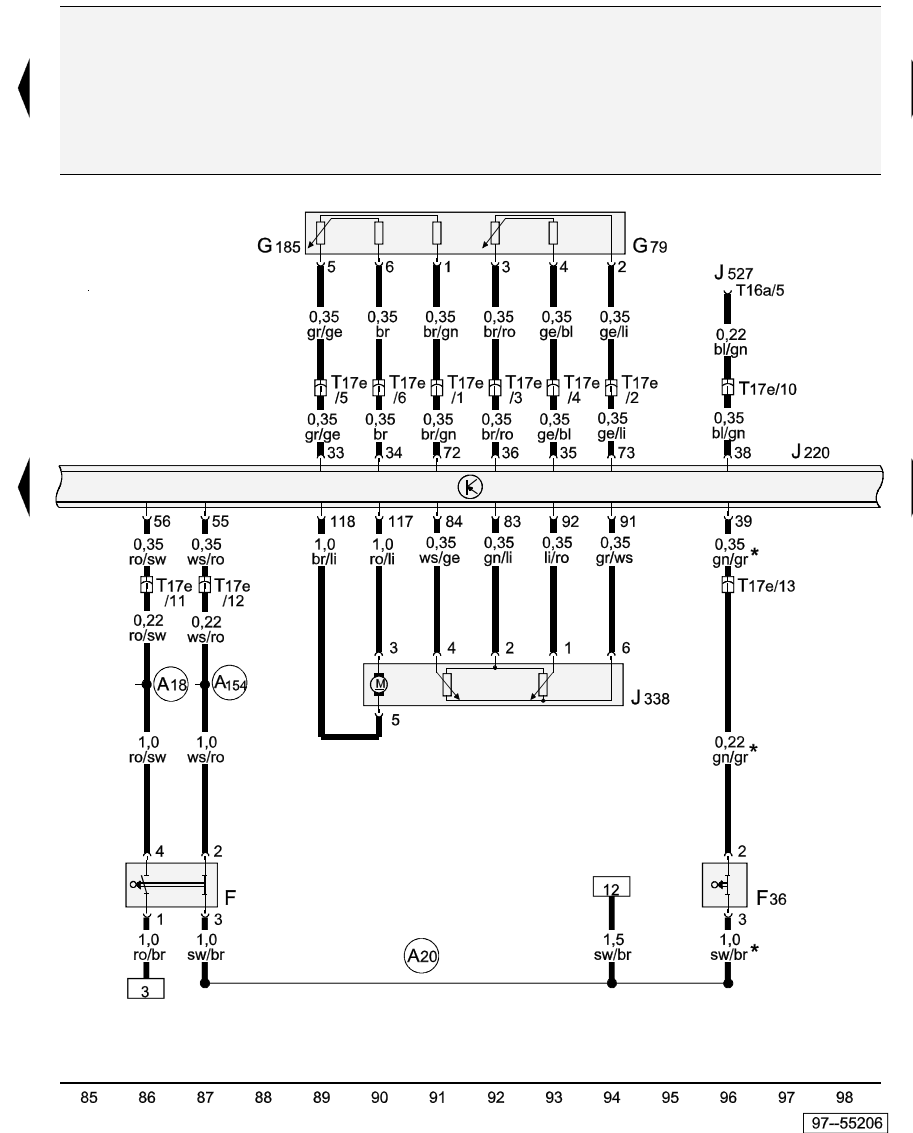
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## Audi A4

## Current Flow Diagram

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**Accelerator pedal position senders, Motronic control unit, throttle valve control unit**

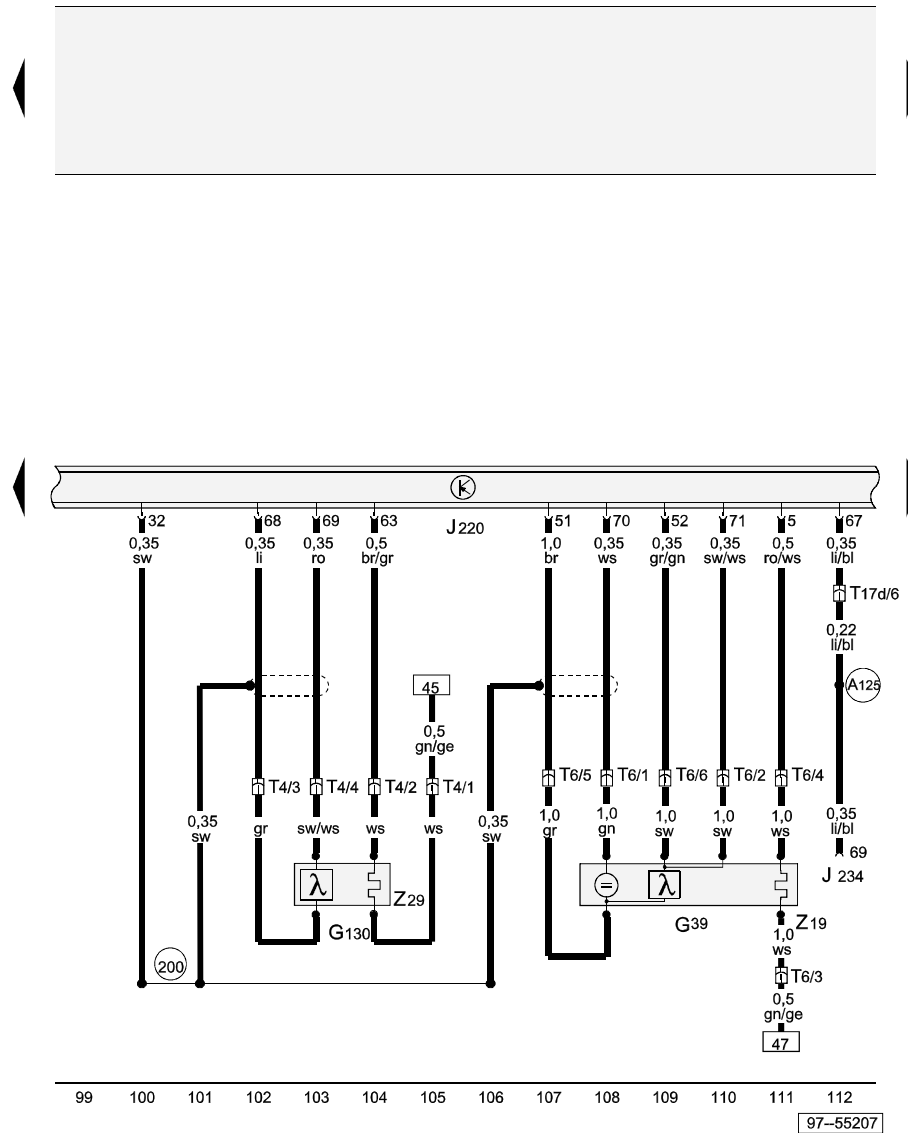
- F - Brake light switch
- F36 - Clutch pedal switch
- G79 - Accelerator pedal position sender
- G185 - Accelerator pedal position sender -2-
- J220 - Motronic control unit
- J338 - Throttle valve control unit
- J527 - Steering column electronics control unit
- T16a - 16-pin connector, black, on steering column electronics control unit
- T17e - 17-pin connector, white, connector point, electronics box, plenum chamber
- A18 - Connection (54), in dash panel wiring harness
- A20 - Connection (15a), in dash panel wiring harness
- A154 - Connection (brake pedal switch), in dash panel wiring harness
- \* - Only models with manual gearbox



## Audi A4

## Current Flow Diagram

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**Lambda probes, Motronic control unit**

- G39 - Lambda probe
- G130 - Lambda probe downstream of catalytic converter
- J220 - Motronic control unit
- J234 - Airbag control unit
- T4 - 4-pin connector, brown, connector point, lambda probe (bulkhead)
- T6 - 6-pin connector, black, connector point, lambda probe (bulkhead)
- T17d - 17-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
- A125 - Connection (crash signal), in dash panel wiring harness

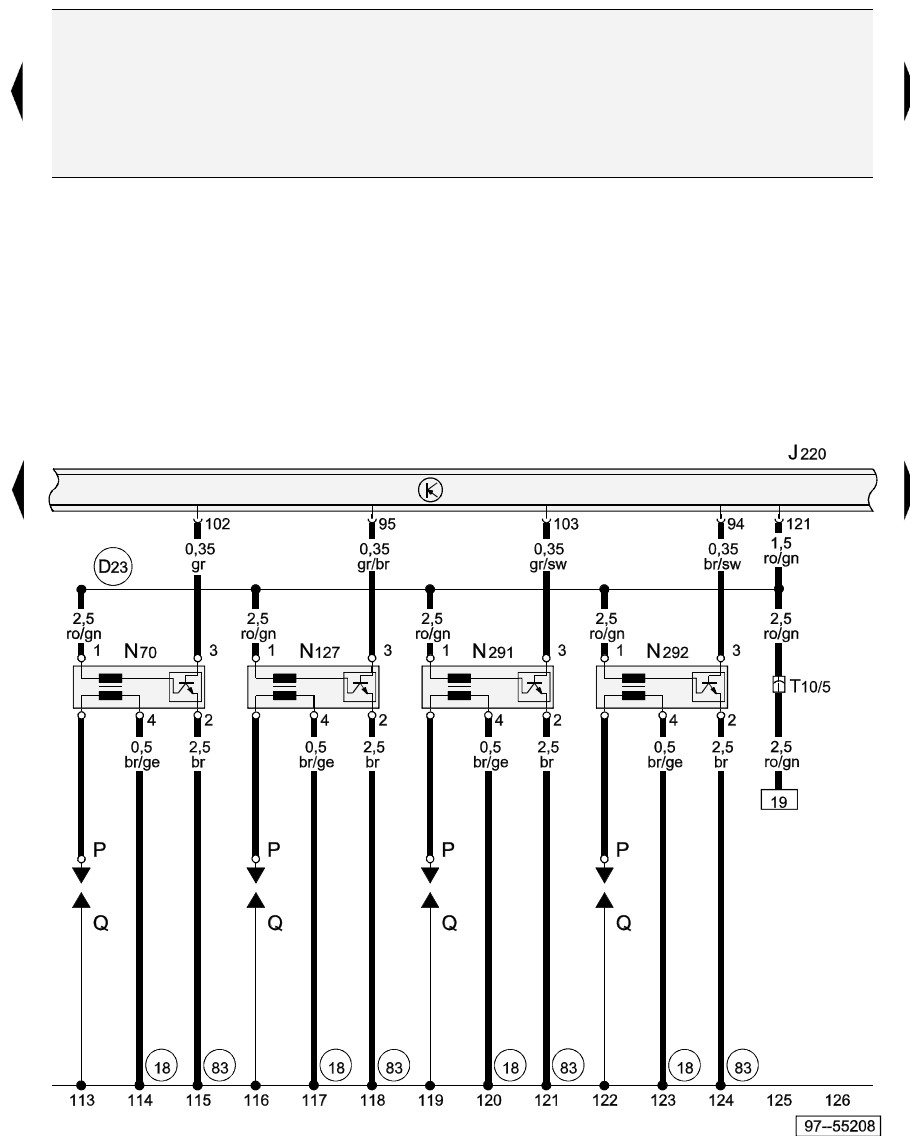
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## Audi A4

## Current Flow Diagram

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**Motronic control unit, ignition coils**

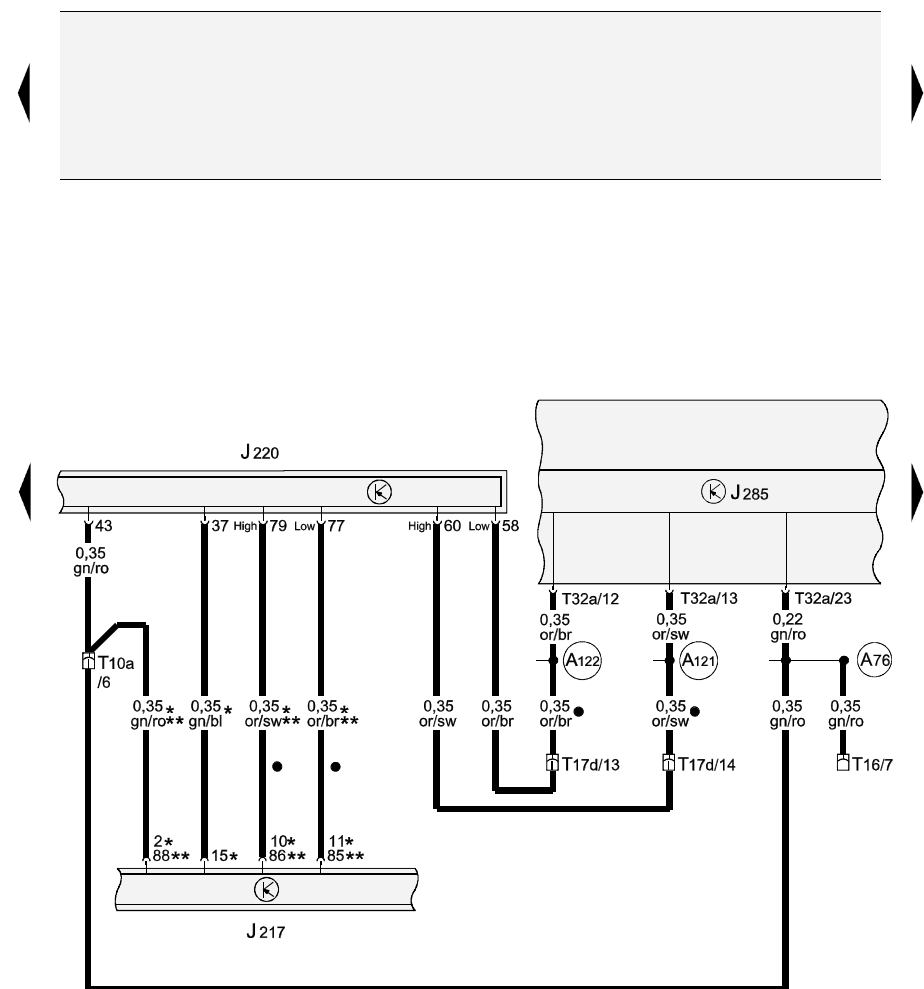
- J220 - Motronic control unit
- N70 - Ignition coil 1 with output stage
- N127 - Ignition coil 2 with output stage
- N291 - Ignition coil 3 with output stage
- N292 - Ignition coil 4 with output stage
- P - Spark plug connector
- Q - Spark plugs
- T10 - 10-pin connector, black, connector point, electronics box, plenum chamber
- 18 - Earth point, on cylinder block
- 83 - Earth connection -1-, in front right wiring harness
- D23 - Connection (via fuse 229), in front right wiring harness



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## Current Flow Diagram

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**Motronic control unit, automatic gearbox control unit, data bus wire**

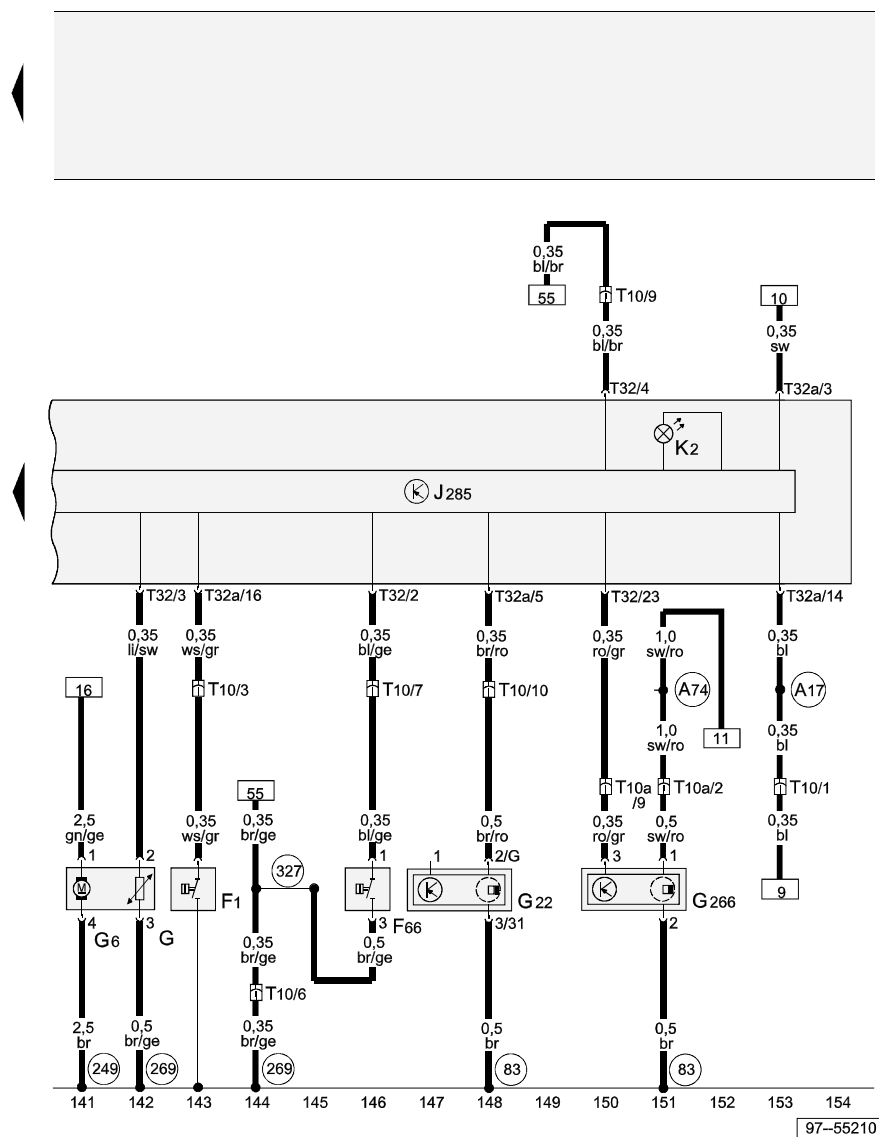
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit
- J285 - Control unit with display in dash panel insert
- T10a - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T16 - 16-pin connector, black, diagnostic connector
- T17d - 17-pin connector, red, connector 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
- \* - Only models with automatic gearbox (multitronic 01J)
- \*\* - Only models with five-speed automatic gearbox (AG5)
- - Data bus wire (CAN bus)



## Audi A4

## Current Flow Diagram

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**Control unit with display in dash panel insert**

- G - Fuel gauge sender
- G6 - Fuel pump (pre-supply pump)
- G22 - Speedometer sender (Hall sender, on gearbox)
- G266 - Oil level/oil temperature sender
- F1 - Oil pressure switch
- F66 - Coolant shortage indicator switch
- J285 - Control unit with display in dash panel insert
- K2 - Alternator warning lamp
- T10 - 10-pin connector, black, connector point, electronics box, plenum chamber
- 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
- 327 - Earth connection (sender earth), in engine compartment wiring harness
- A17 - Connection (61), in dash panel wiring harness
- A74 - Connection (15a, fuse 5), in dash panel wiring harness

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