

## Golf

## Current Flow Diagram

No. 4 / 1

Edition 10.2001

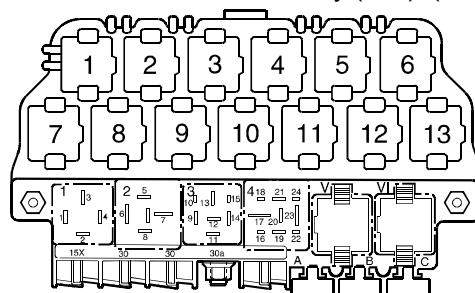
**1.8 litre/110 kW Motronic, engine codes AGU**

From May 1999

**For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations section"****Relay locations on the 13 position additional relay carrier above the relay plate:**

Relay locations on relay plate:

- 2 - X contact relief relay (18), (up to October 1998)
- X contact relief relay (100), (from November 1999)



97--14163

- 4 - Fuel pump relay (409)

**Note:***The number in brackets behind the part designation denotes the control number on the housing.*

Fuse colours

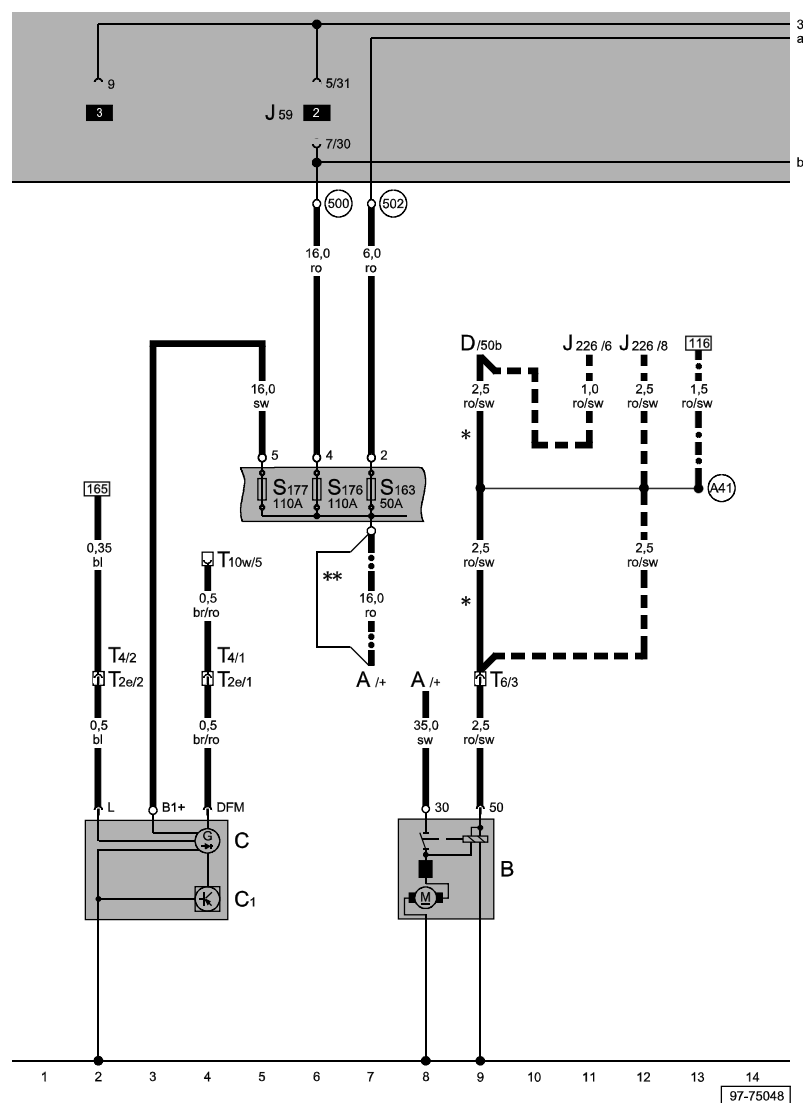
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



## Golf

## Current Flow Diagram

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**Alternator, starter**

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- J59 - X contact relief relay
- J226 - Starter inhibitor and reversing light relay
- S163 - Fuse -2- (30), in fuse box/battery
- S176 - Fuse -4- (30), in fuse box/battery
- S177 - Fuse -5- (30), in fuse box/battery
- T2e - 2-pin connector, near starter (only models without air conditioner)
- T4 - 4-pin connector, near starter (only models with air conditioner)
- T6 - 6-pin connector, brown, in control unit protective housing, in plenum chamber, left
- T10w - 10-pin connector, white, in protective housing for connectors, in plenum chamber, left
- 500 - Screw connection -1- (30), on relay plate
- 502 - Screw connection -1- (30a), on relay plate
- A41 - Positive (+) connection (50), in dash panel wiring harness (up to April 2001)
- \* - Only models with manual gearbox
- - Only models with automatic gearbox
- \*\* - Up to August 2000
- ...- - From September 2000
- ...- - Up to April 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

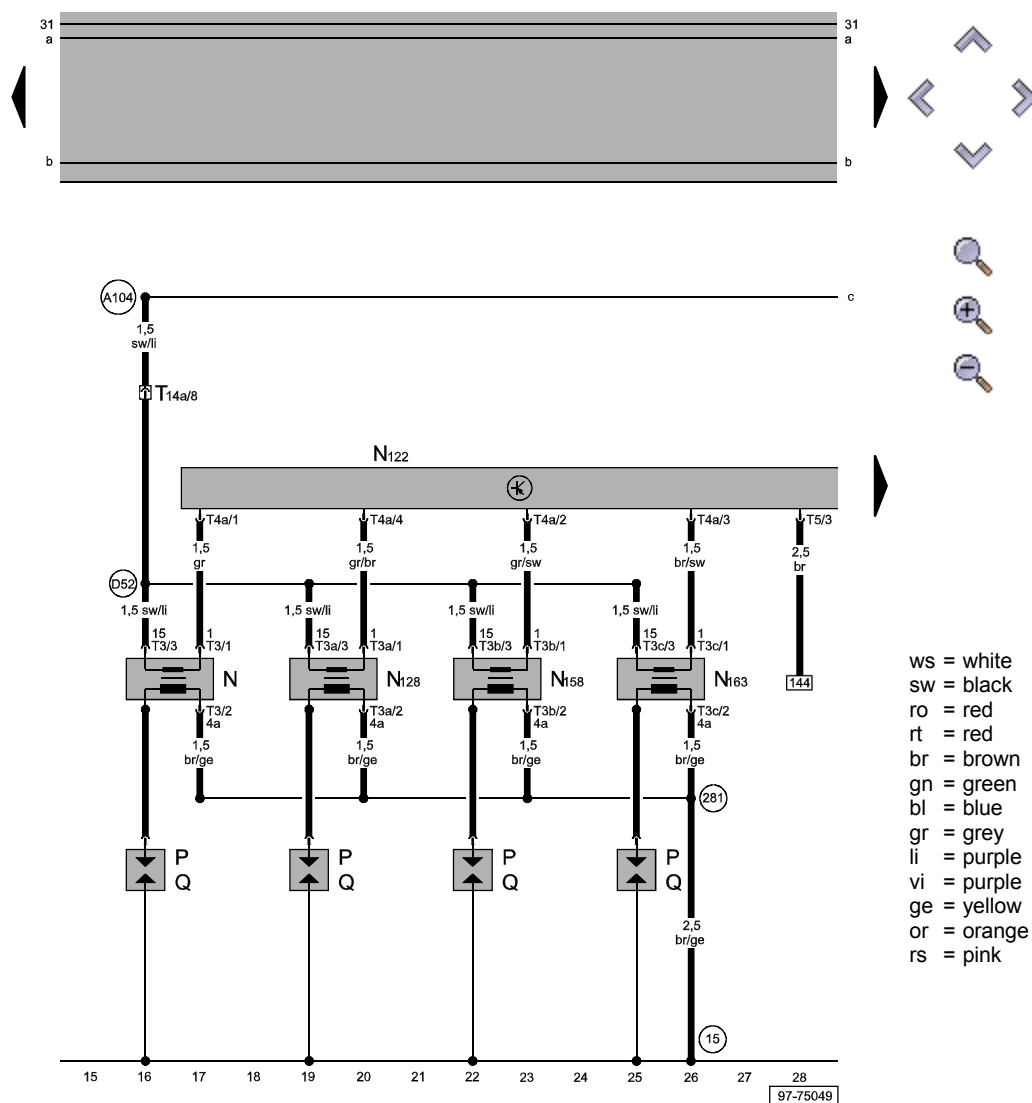
97-75048



## Golf

## Current Flow Diagram

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## Ignition system

- N - Ignition coil 1, on cylinder head
- N122 - Final output stage for ignition coils, in engine compartment rear
- N128 - Ignition coil 2, on cylinder head
- N158 - Ignition coil 3, on cylinder head
- N163 - Ignition coil 4, on cylinder head
- P - Spark plug connector
- Q - Spark plugs
- T3 - 3-pin connector
- T3a - 3-pin connector
- T3b - 3-pin connector
- T3c - 3-pin connector
- T4a - 4-pin connector
- T5 - 5-pin connector
- T14a - 14-pin connector, near battery
- 15 - Earth point, on cylinder head
- 281 - Earth connection -1-, in engine prewiring wiring harness
- A104 - Positive (+) connection -2- (15), in dash panel wiring harness
- D52 - Positive (+) connection (15a), in engine compartment wiring harness

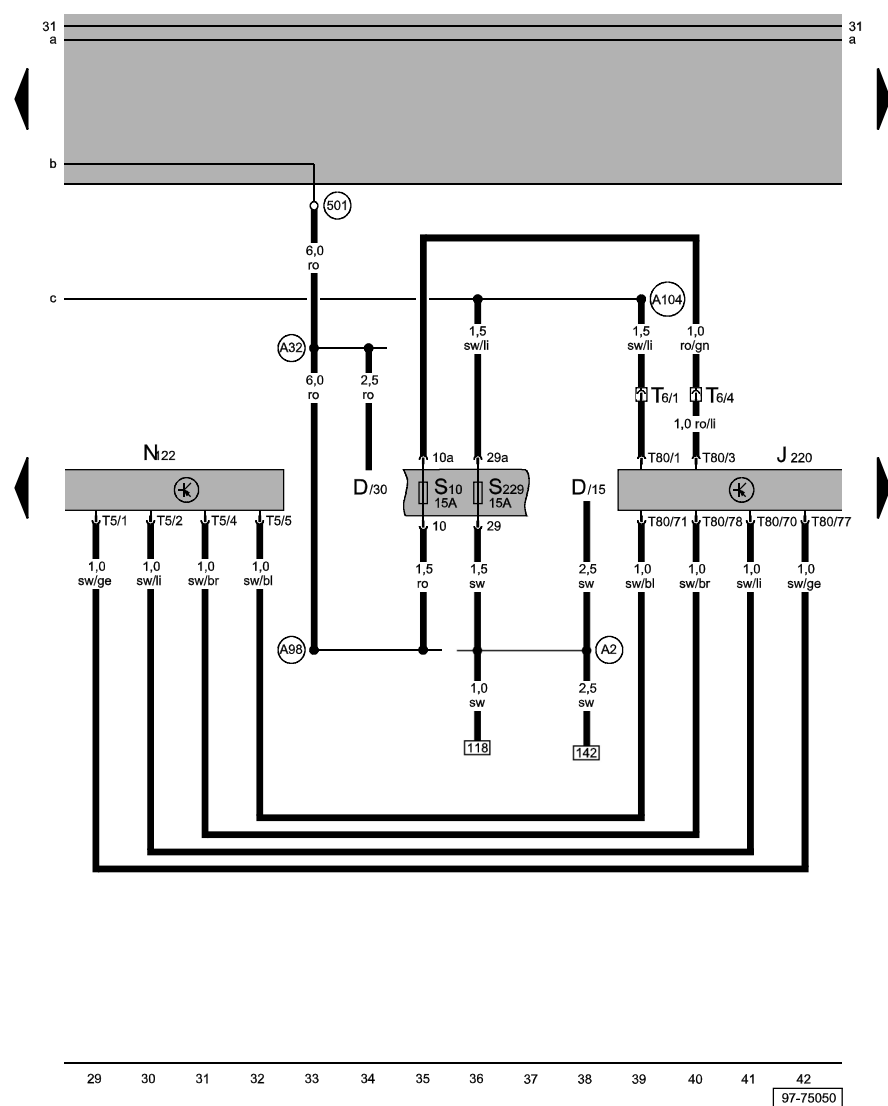
97-75049



## Golf

## Current Flow Diagram

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**Motronic control unit, ignition system**

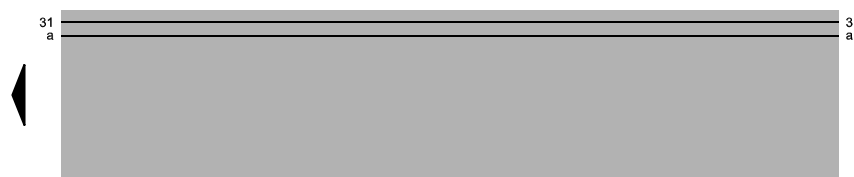
- D - Ignition/starter switch
- J220 - Motronic control unit, in plenum chamber, centre
- N122 - Final output stage for ignition coils, in engine compartment rear
- S10 - Fuse in fuse box
- S229 - Fuse in fuse box
- T5 - 5-pin connector
- T6 - 6-pin connector, brown, in protective housing for connectors, in plenum chamber, left
- T80 - 80-pin connector
- 501 - Screw connection -2- (30), on relay plate
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A32 - Positive (+) connection (30), in dash panel wiring harness
- A98 - Positive (+) connection-4-(30), in dash panel wiring harness
- A104 - Positive (+) connection -2- (15), in dash panel wiring harness



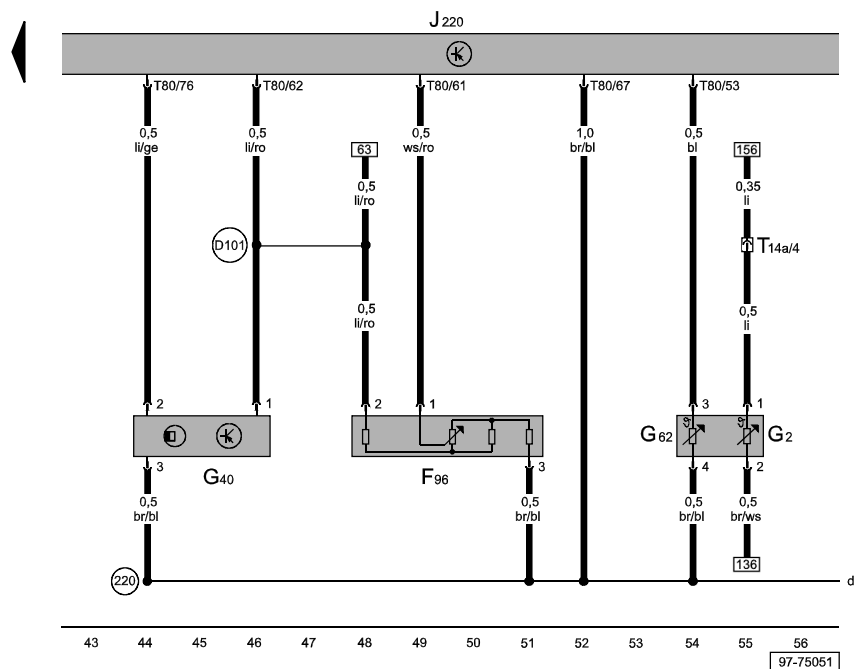
## Golf

## Current Flow Diagram

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**Motronic control unit, coolant temperature sender, altitude sender, hall sender**

- F96 - Altitude sender
- G2 - Coolant temperature sender
- G40 - Hall sender
- G62 - Coolant temperature sender
- J220 - Motronic control unit, in plenum chamber, centre
- T14a - 14-pin connector, near battery
- T80 - 80-pin connector
- 220 - Earth connection (sender earth), in engine wiring harness
- D101 - Connection -1-, in engine wiring harness





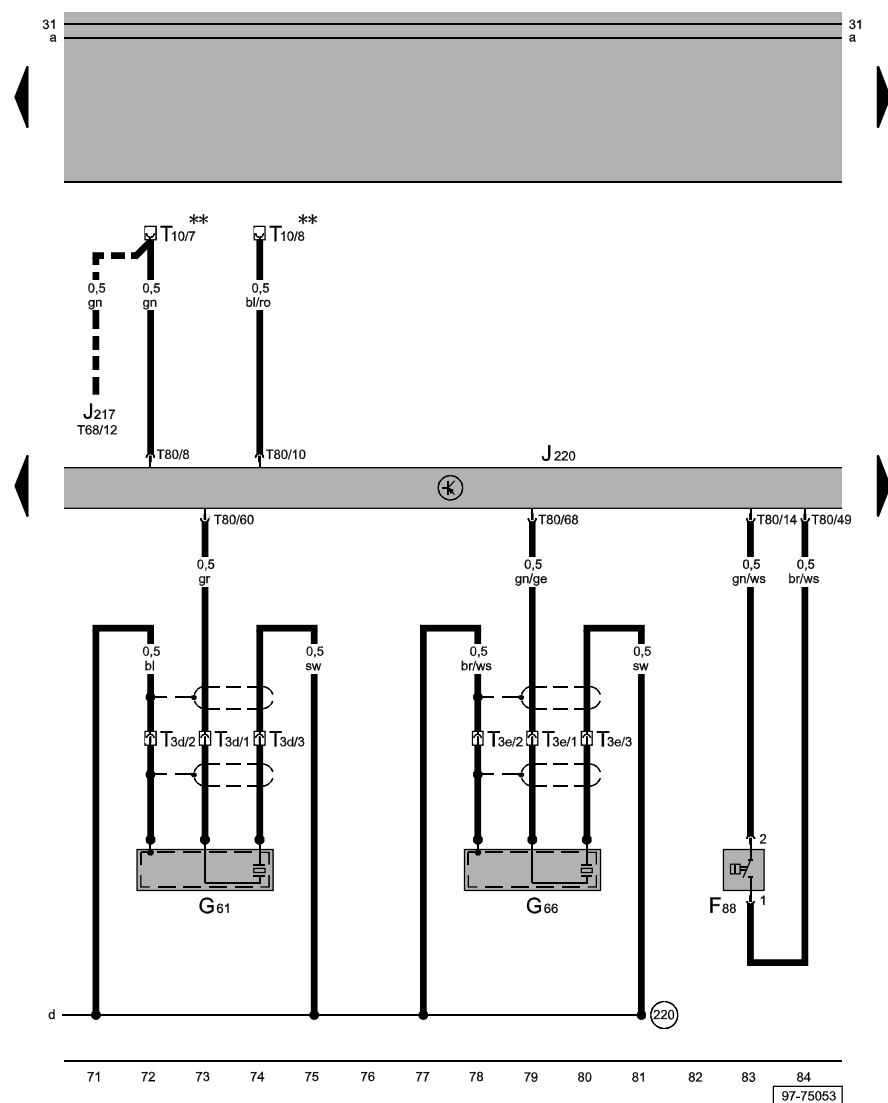




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## Current Flow Diagram

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### Motronic control unit, knock sensor I, knock sensor II, power assisted steering pressure switch

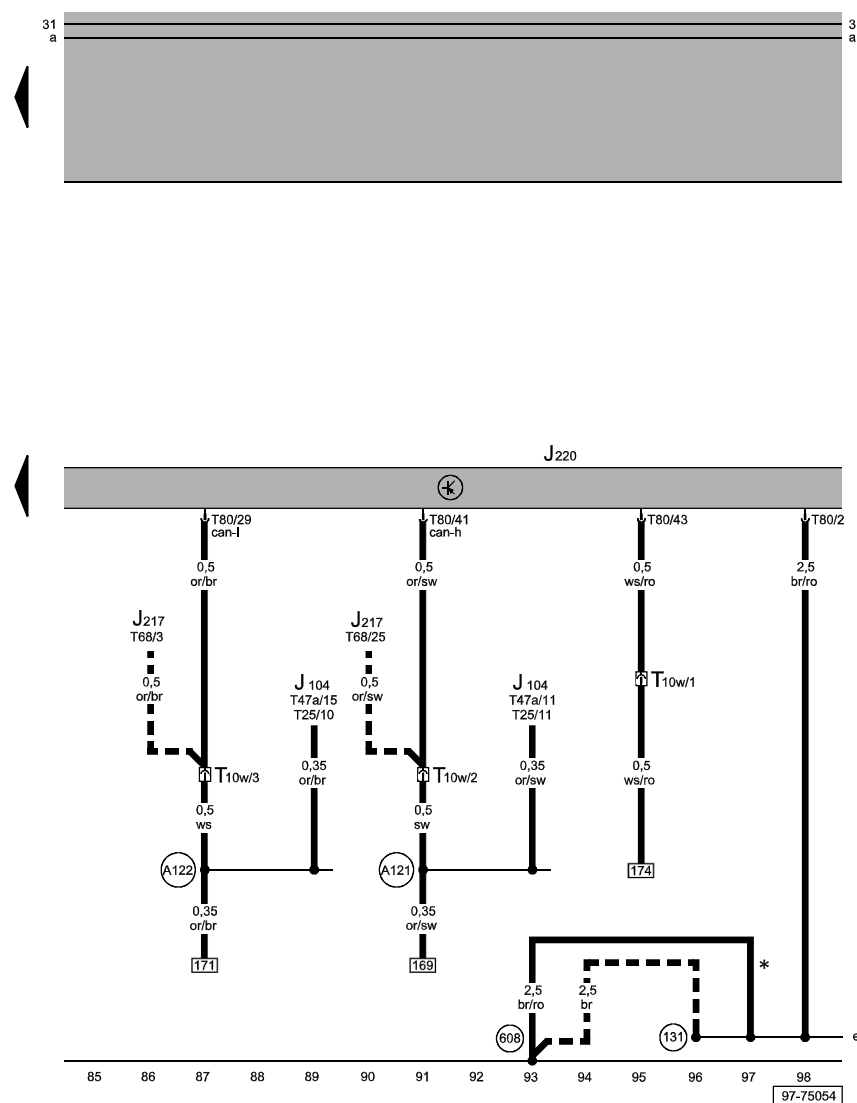
- F88 - Power assisted steering pressure switch
- G61 - Knock sensor I
- G66 - Knock sensor II
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit, in plenum chamber, centre
- T3d - 3-pin connector, in engine compartment rear
- T3e - 3-pin connector, in engine compartment front
- T10 - 10-pin connector, orange, in protective housing for connectors, in plenum chamber, left
- T68 - 68-pin connector
- T80 - 80-pin connector
- 220 - Earth connection (sender earth), in engine wiring harness
- - Only models with automatic gearbox
- \*\* - Connection for air conditioner



## Golf

## Current Flow Diagram

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**Motronic control unit**

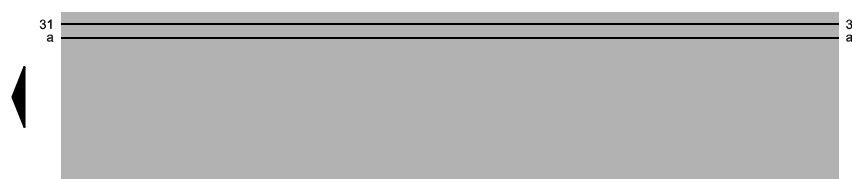
- J104 - ABS/ABS with EDL control unit
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit, in plenum chamber, centre
- T10w - 10-pin connector, white, in protective housing for connectors, in plenum chamber, left
- T25 - 25-pin connector, on ABS/ABS with EDL control unit (up to July 2000)
- T47a - 47-pin connector, ABS/ABS with EDL/TCS/ESP control unit (from August 2000)
- T68 - 68-pin connector
- T80 - 80-pin connector
- 131 - Earth connection -2-, in engine compartment wiring harness
- 608 - Earth point, in plenum chamber, centre
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), in dash panel wiring harness
- \* - Only models with manual gearbox
- - Only models with automatic gearbox



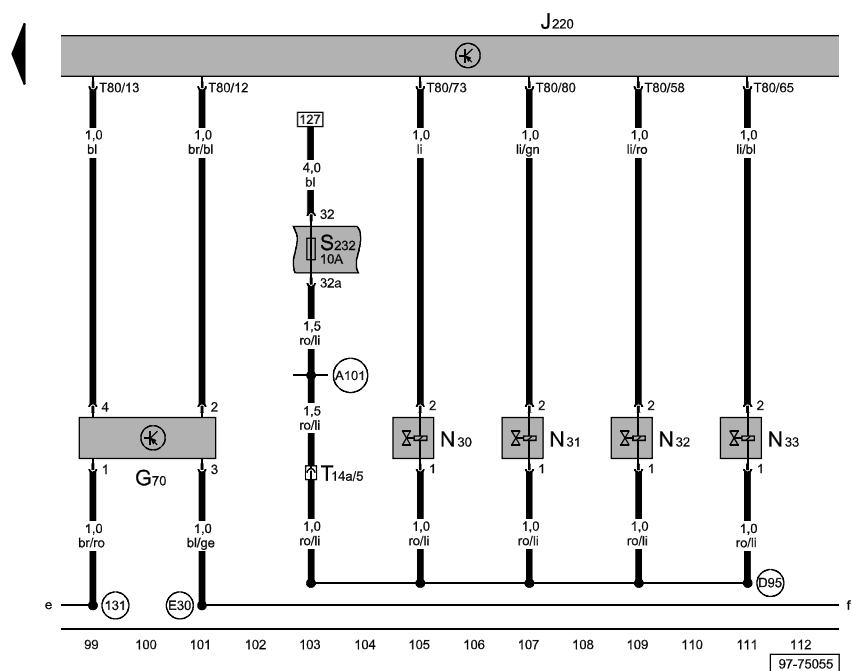
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## Current Flow Diagram

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**Motronic control unit, injectors, air mass meter**

- G70 - Air mass meter
- J220 - Motronic control unit, in plenum chamber, centre
- N30 - Injector, cylinder 1
- N31 - Injector, cylinder 2
- N32 - Injector, cylinder 3
- N33 - Injector, cylinder 4
- S232 - Fuse in fuse box
- T14a - 14-pin connector, near battery
- T80 - 80-pin connector
- 131 - Earth connection -2-, in engine compartment wiring harness
- A101 - Connection -3- (87), in dash panel wiring harness
- D95 - Connection (injectors), in engine compartment wiring harness
- E30 - Connection (87a), in engine wiring harness



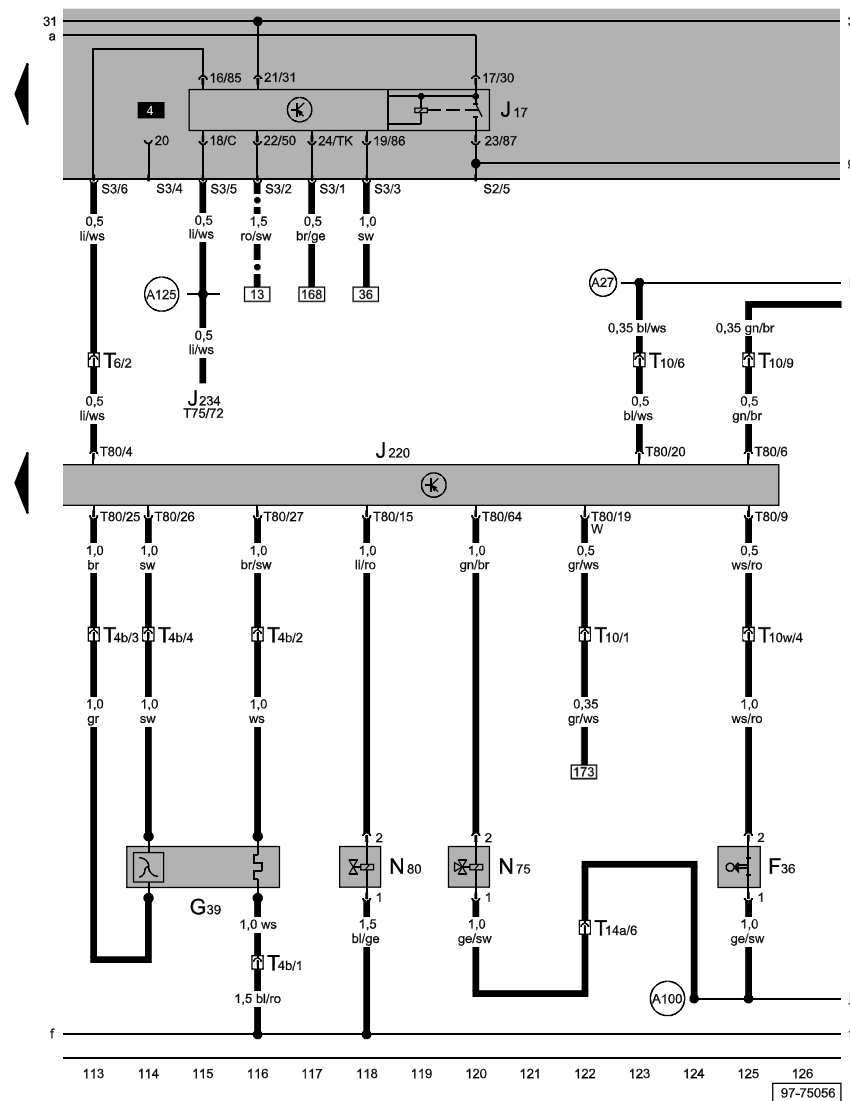
97-75055



## Golf

## Current Flow Diagram

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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

**Motronic control unit, activated charcoal filter system solenoid valve, clutch pedal switch, charge pressure control solenoid valve, lambda probe, fuel pump relay**

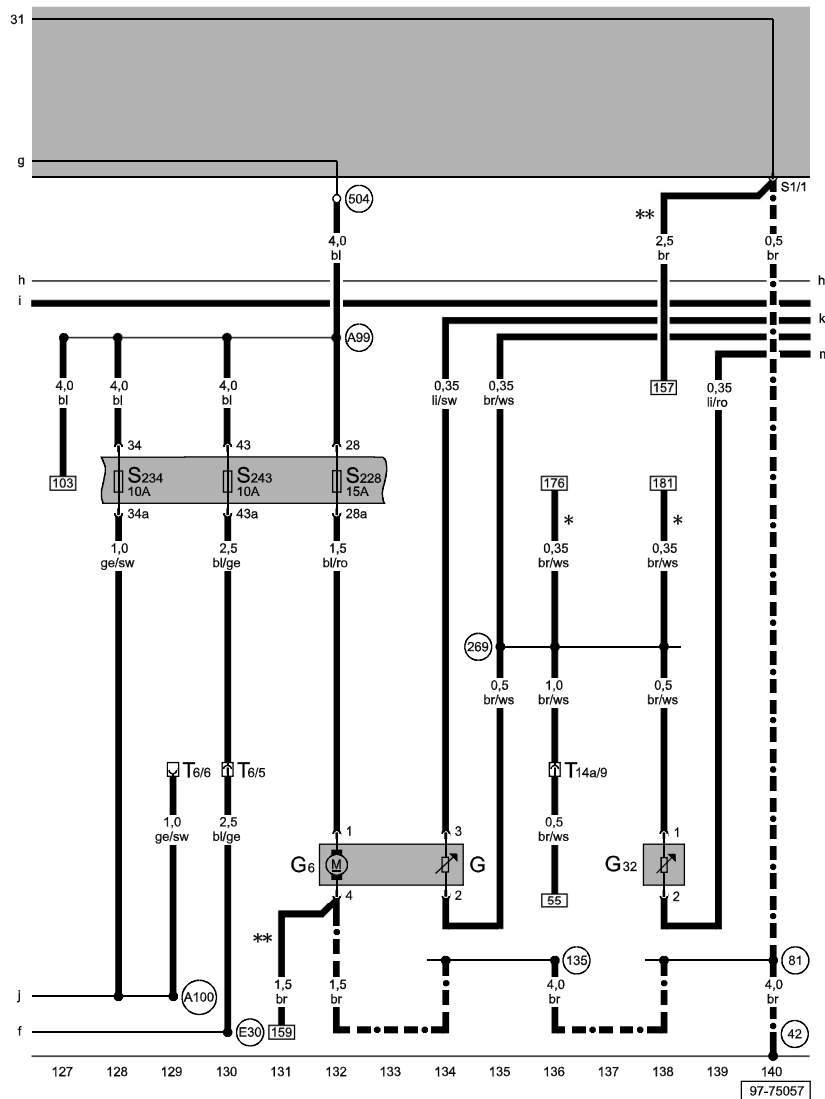
- F36 - Clutch pedal switch
- G39 - Lambda probe
- J17 - Fuel pump relay
- J220 - Motronic control unit, in plenum chamber, centre
- J234 - Airbag control unit, behind lower console
- N75 - Charge pressure control solenoid valve
- N80 - Activated charcoal filter system solenoid valve 1
- T4b - 4-pin connector, in protective housing in engine compartment, rear
- T6 - 6-pin connector, brown, in control unit protective housing, in plenum chamber, left
- T10 - 10-pin connector, orange, in protective housing for connectors, in plenum chamber, left
- T10w - 10-pin connector, white, in protective housing for connectors, in plenum chamber, left
- T14a - 14-pin connector, near battery
- T75 - 75-pin connector
- T80 - 80-pin connector
- A27 - Connection (speed signal), in dash panel wiring harness
- A100 - Connection -2- (87), in dash panel wiring harness
- A125 - Connection (crash signal), in dash panel wiring harness
- - Up to April 2001



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## Current Flow Diagram

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## Fuel pump, fuel gauge sender, coolant shortage indicator sender

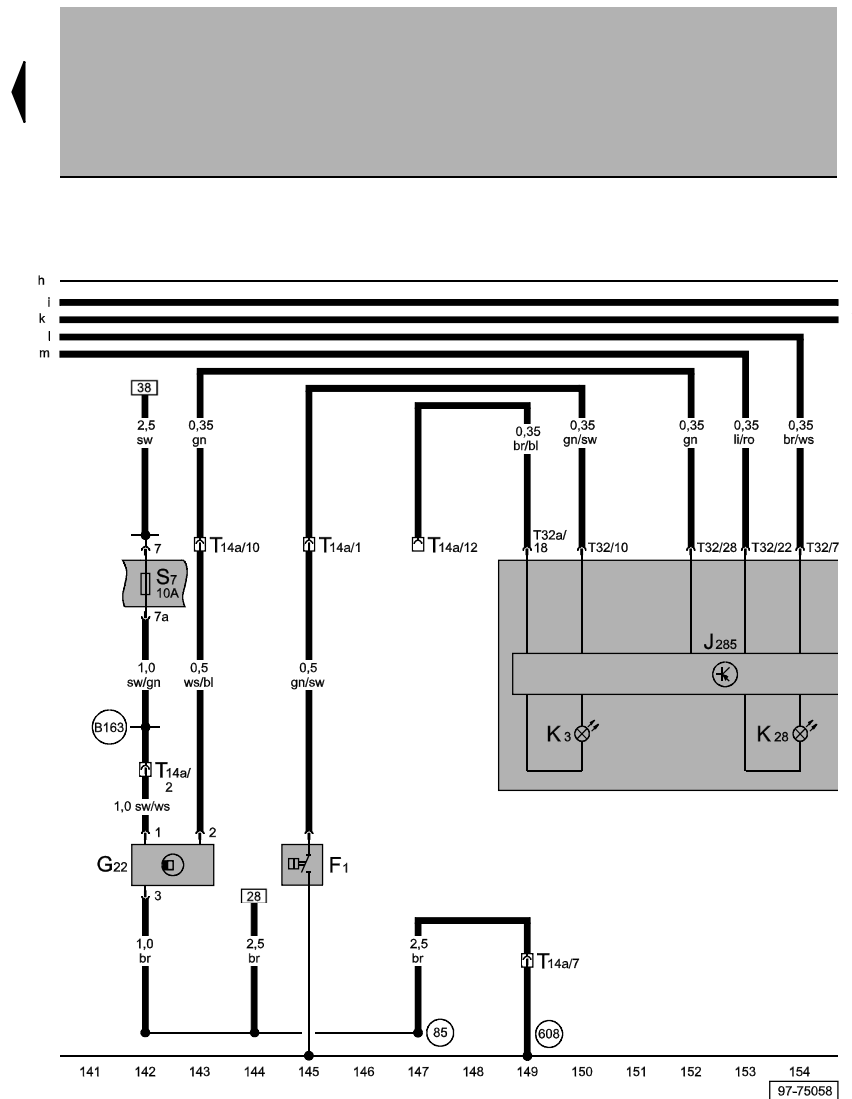
- G - Fuel gauge sender
- G6 - Fuel pump
- G32 - Coolant shortage indicator sender
- S228 - Fuse in fuse box
- S234 - Fuse in fuse box
- S243 - Fuse in fuse box
- T6 - 6-pin connector, brown, in control unit protective housing, in plenum chamber, left
- T14a - 14-pin connector, near battery
- 42 - Earth point, next to steering column
- 81 - Earth connection -1-, in dash panel wiring harness
- 135 - Earth connection -2-, in dash panel wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- 504 - Screw connection -1- (87F), on relay plate
- A99 - Connection -1- (87), in dash panel wiring harness
- A100 - Connection -2- (87), in dash panel wiring harness
- E30 - Connection (87a), in engine wiring harness
- \* - Only models with multi-function display
- ...- - Up to April 2000
- \*\* - From May 2000



## Golf

## Current Flow Diagram

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**Dash panel insert, oil pressure warning, speedometer sender, coolant temperature/coolant shortage warning lamp**

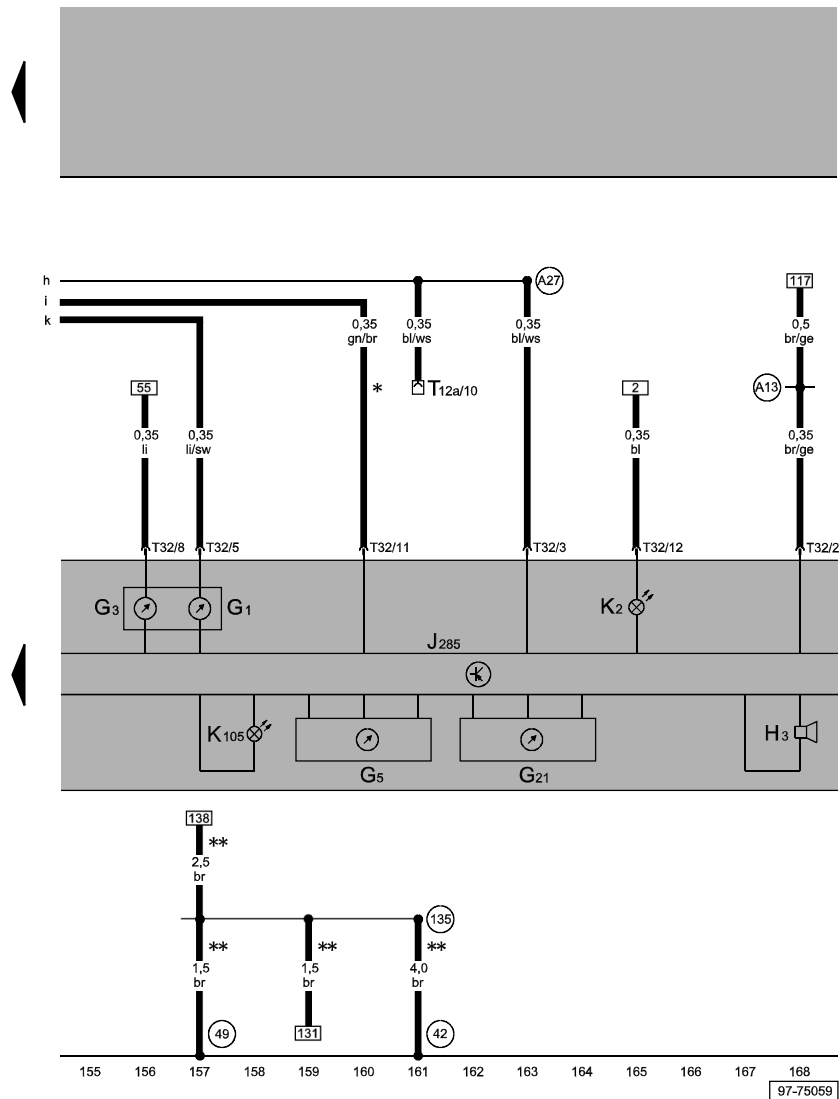
- F1 - Oil pressure switch
- G22 - Speedometer sender (Hall sender, on gearbox)
- J285 - Control unit with display in dash panel insert
- K3 - Oil pressure warning lamp
- K28 - Coolant temperature/coolant shortage warning lamp
- S7 - Fuse in fuse box
- T14a - 14-pin connector, near battery
- T32 - 32-pin connector, blue
- T32a - 32-pin connector, green
- 85 - Earth connection -1-, in engine compartment wiring harness
- 608 - Earth point, in plenum chamber, centre
- B163 - Positive (+) connection -1- (15), in interior wiring harness



## Golf

## Current Flow Diagram

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### Dash panel insert, coolant temperature gauge, fuel gauge, rev. counter, speedometer, alternator warning lamp

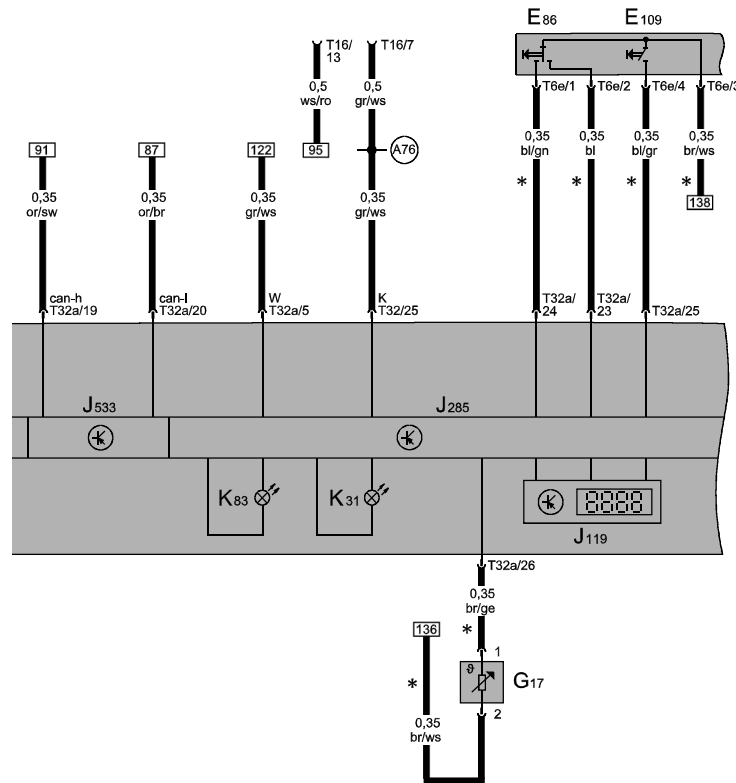
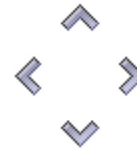
- G1 - Fuel gauge
- G3 - Coolant temperature gauge
- G5 - Rev. counter
- G21 - Speedometer
- H3 - Warning buzzer
- J285 - Control unit with display in dash panel insert
- K2 - Alternator warning lamp
- K105 - Reserve fuel warning lamp
- T12a - 12-pin connector, connection for Climatronic only
- T32 - 32-pin connector, blue
- 42 - Earth point, next to steering column
- 49 - Earth point, on steering column
- 135 - Earth connection -2-, in dash panel wiring harness
- A13 - Connection (door contact switch), in dash panel wiring harness
- A27 - Connection (speed signal), in dash panel wiring harness
- \* - Engine speed signal from engine control unit
- \*\* - From May 2000



## Golf

## Current Flow Diagram

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**Dash panel insert, cruise control system warning lamp, multi-function display, ambient temperature indicator, exhaust emissions warning lamp, self-diagnosis connection**

- E86 - Multi-function display call-up button
- E109 - Multi-function display, memory switch
- G17 - Ambient temperature sensor
- J119 - Multi-function display
- J285 - Control unit with display in dash panel insert
- J533 - Data bus diagnostic interface, in dash panel insert
- K31 - Cruise control system warning lamp
- K83 - Exhaust emissions warning lamp
- T6e - 6-pin connector
- T16 - 16-pin connector, in dash panel centre, self-diagnosis connection
- T32 - 32-pin connector, blue
- T32a - 32-pin connector, green
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- \* - Only models with multi-function display

ws = white  
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