

## Golf/Vento

### Current Flow Diagram

**No. 27 / 1**

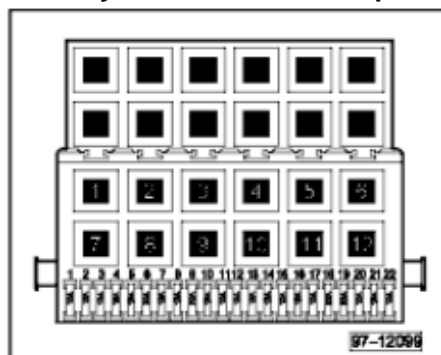
Edition 02.1998

### 1.6 ltr./74 kW Simos, engine code AKS

From June 1997

#### Relay locations :

For relay locations and multi-pin connector wiring, see section "Fitting locations section"



3 - Simos control unit current supply relay (30)

12 - Fuel pump relay (167)



#### Notes:

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

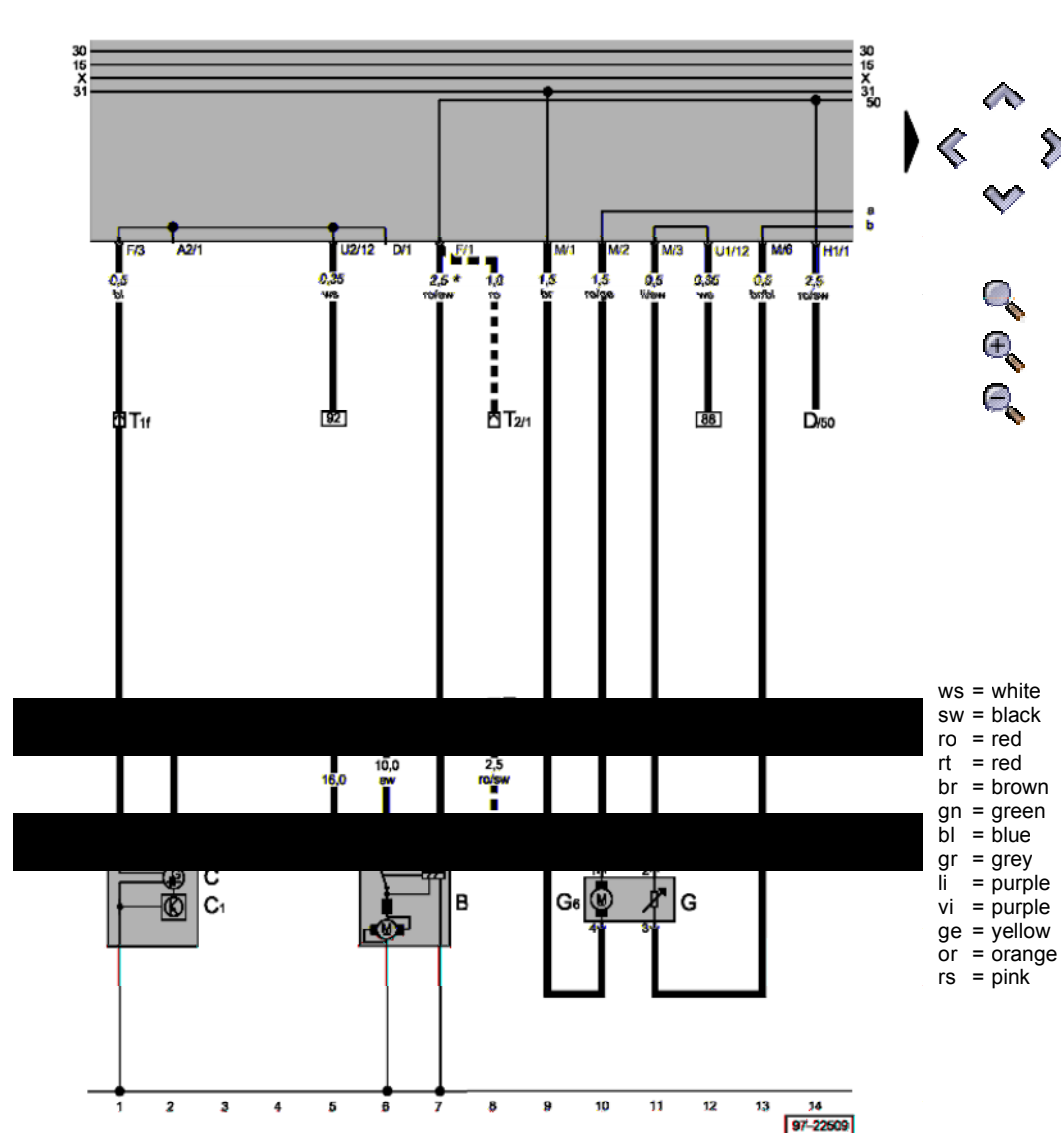
#### Fuse colours

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

## Golf/Vento

## Current Flow Diagram

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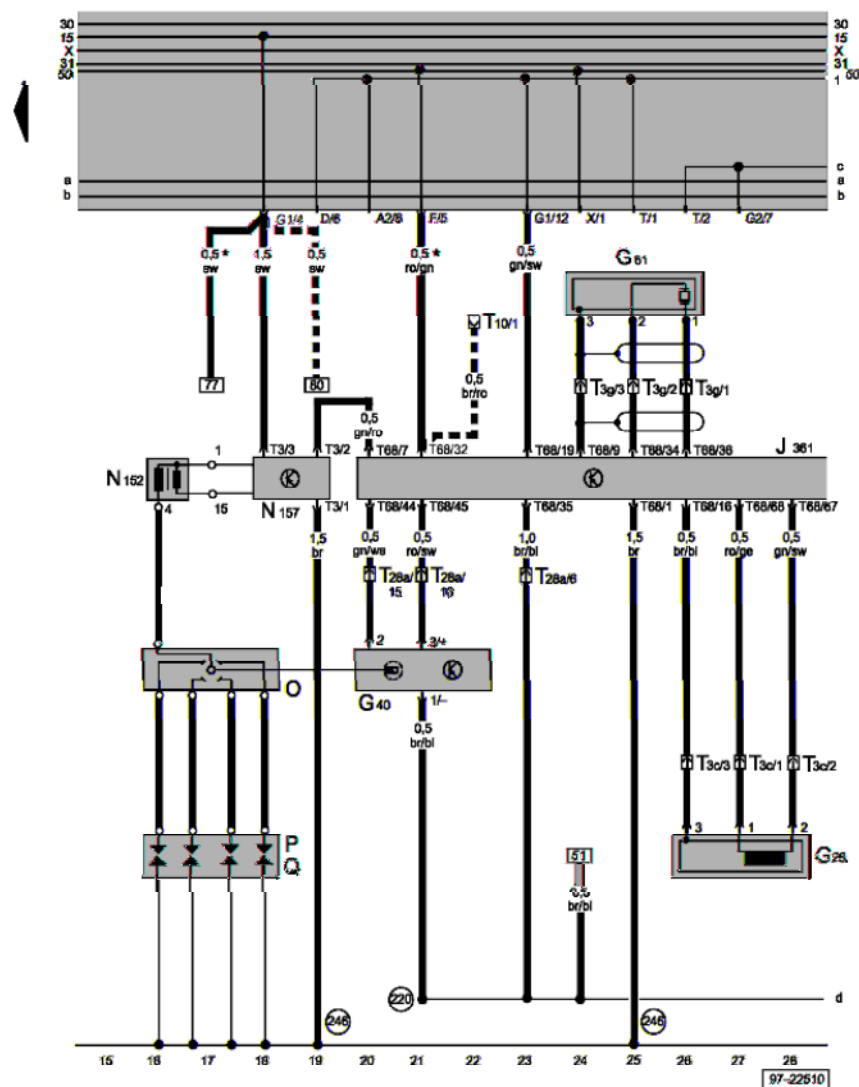
## Alternator, starter, fuel pump, fuel gauge sender

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- G - Fuel gauge sender
- G6 - Fuel pump (pre-supply pump)
- T1f - Single connector, near starter
- T2 - 2-pin connector, near starter
- \* - For manual gearbox only
- ... - For automatic gearbox only

## Golf/Vento

## Current Flow Diagram

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## Simos control unit, ignition system, engine speed sender, knock sensor

- G28 - Engine speed sender
- G40 - Hall sender
- G61 - Knock sensor I
- J361 - Simos control unit, right in plenum chamber
- N152 - Ignition transformer
- N157 - Ignition transformer output stage
- O - Ignition distributor
- P - Spark plug connector
- Q - Flame plug
- T3 - 3-pin connector
- T3c - 3-pin connector, near starter
- T3g - 3-pin connector, near starter
- T10 - 10-pin connector, behind the relay plate
- T28a - 28-pin connector, on left cylinder head
- T68 - 68-pin connector
- 220 - Earth connection (sender earth), in engine wiring harness
- 246 - Earth connection, in Simos wiring harness

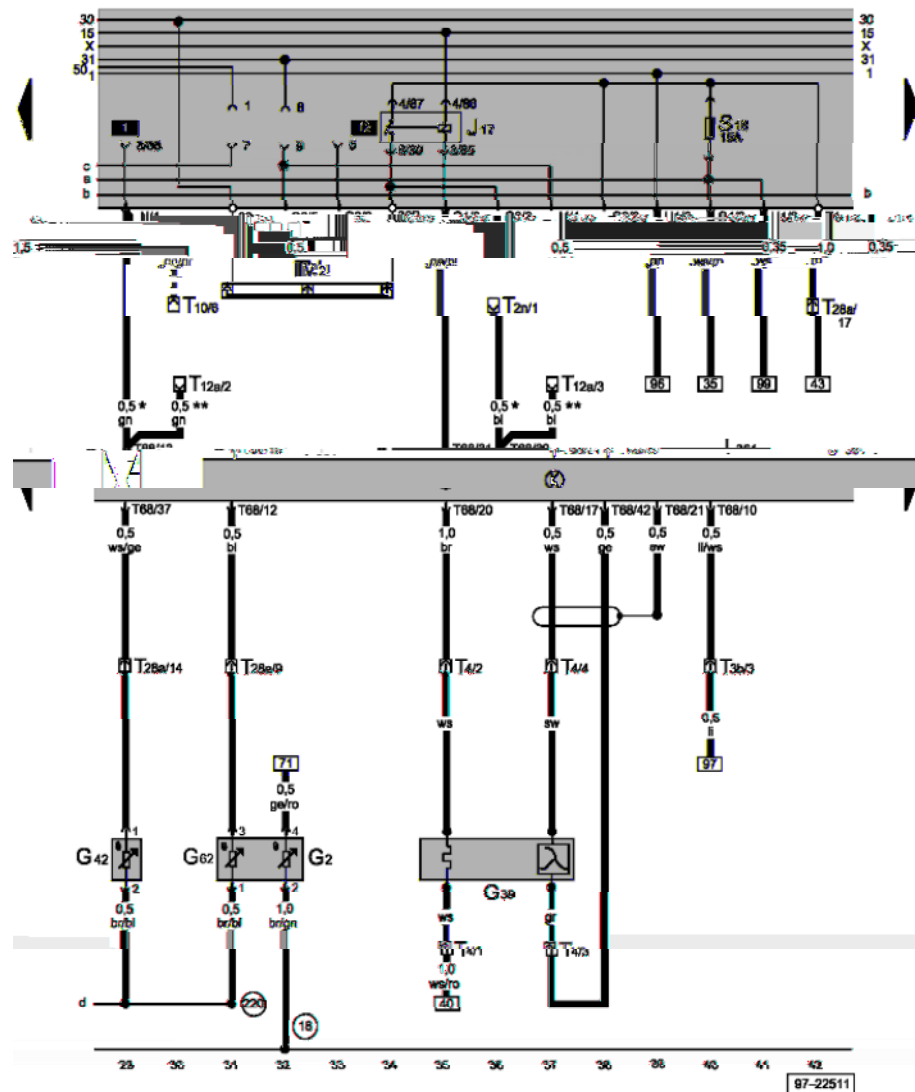
ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
 ge = yellow  
 or = orange  
 rs = pink

- \* - For manual gearbox only
- - For automatic gearbox only

## Golf/Vento

## Current Flow Diagram

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**Simos control unit, Lambda probe, coolant temperature sender, intake air temperature sender**

- G2 - Coolant temperature sender
- G39 - Lambda probe
- G42 - Intake air temperature sender
- G62 - Coolant temperature sender
- J17 - Fuel pump relay
- J361 - Simos control unit, right in plenum chamber
- T2n - 2-pin connector, behind the relay plate
- T3b - 3-pin connector, behind the relay plate
- T4 - 4-pin connector, near exhaust manifold
- T10 - 10-pin connector, behind the relay plate
- T12a - 12-pin connector, behind the relay plate
- T28a - 28-pin connector, on left cylinder head
- T68 - 68-pin connector
- TV2 - Terminal 30 junction box, behind the relay plate
- 18 - Earth point, on engine block
- 220 - Earth connection (sender earth), in engine wiring harness

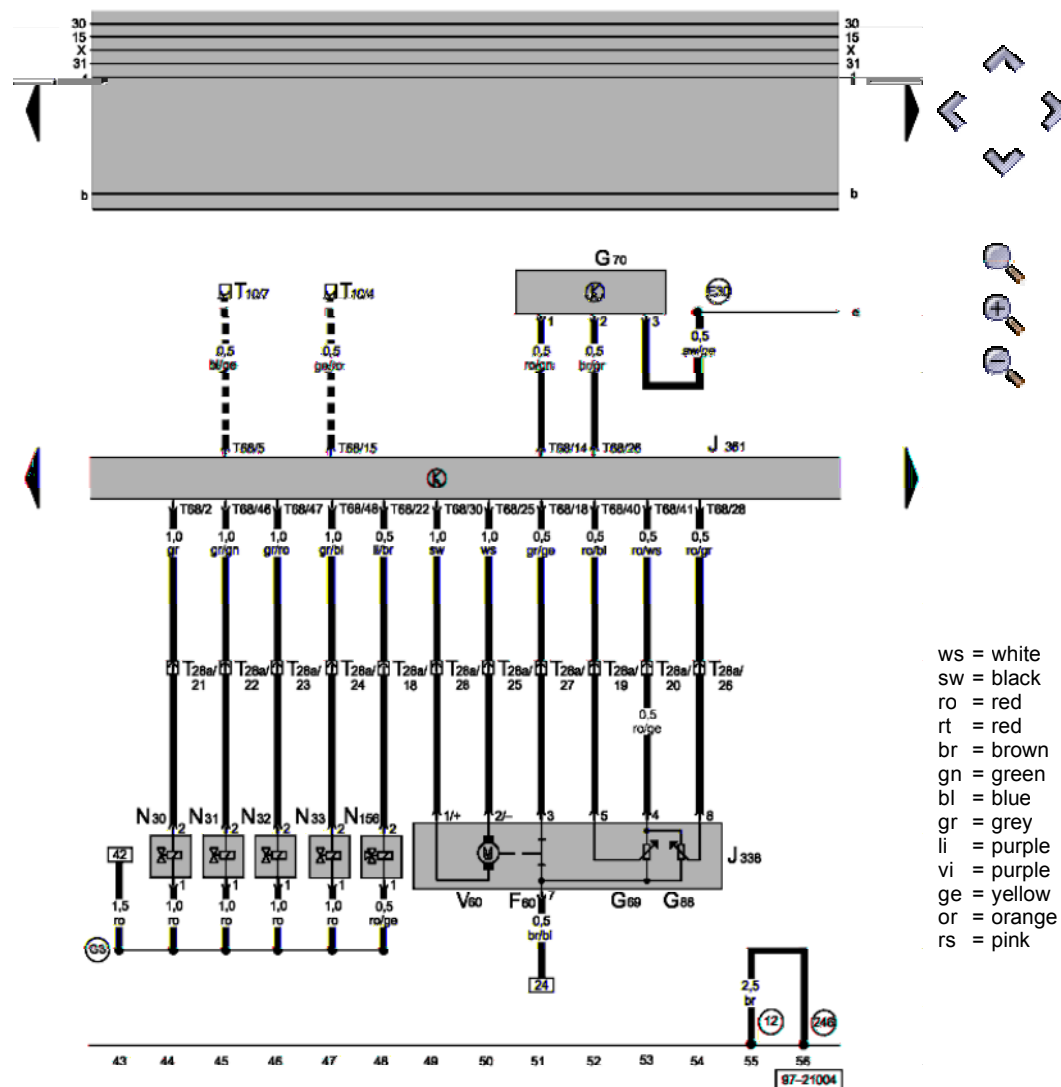
- \* - For air conditioning system only
- \*\* - For Climatronic only
- ... - For automatic gearbox only

ws = white  
 sw = black  
 ro = red  
 rt = red  
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 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
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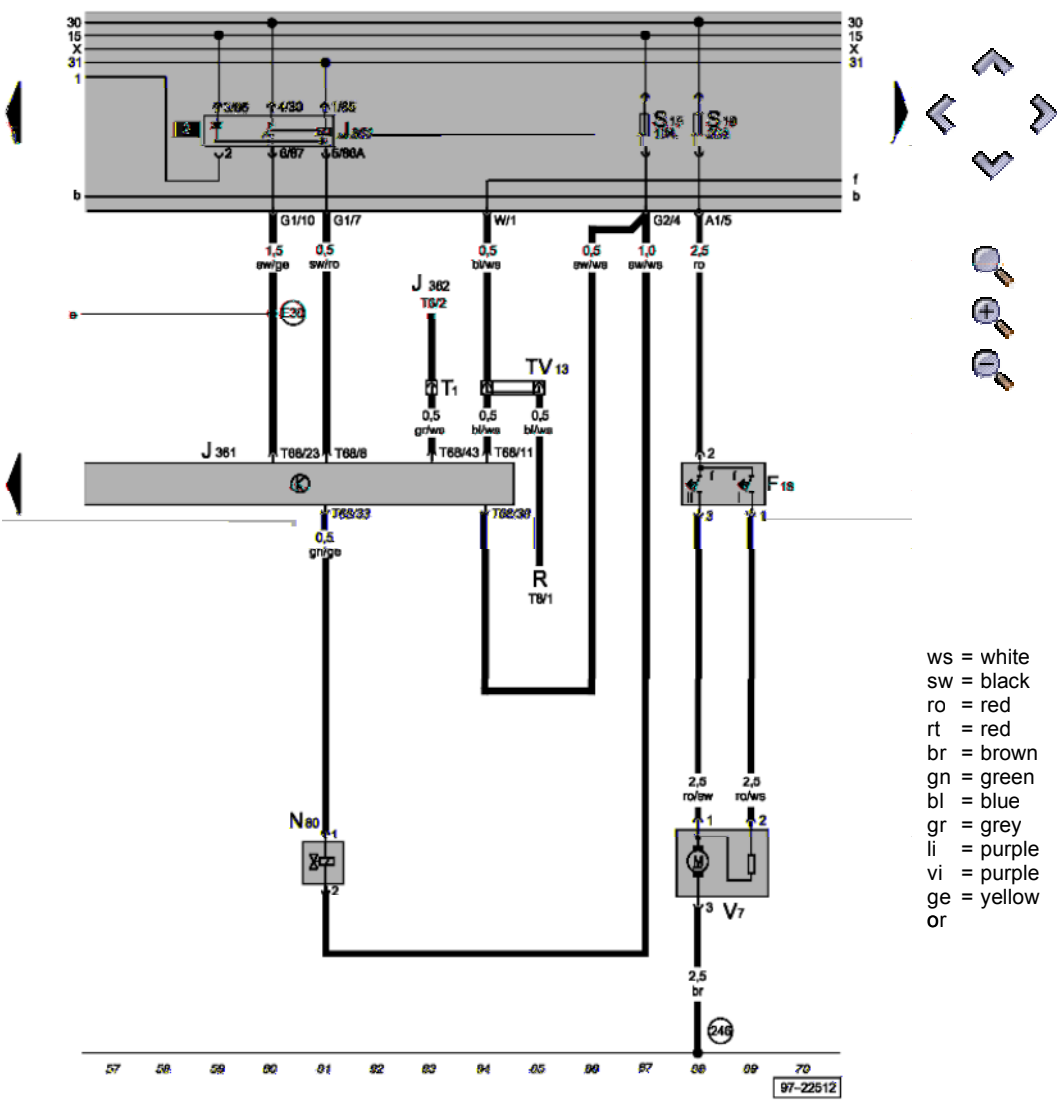
## Golf/Vento

## Current Flow Diagram

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**Simos control unit, injectors, air mass meter, throttle valve control part, intake manifold change-over valve**

- F60 - Idling switch
- G69 - Throttle valve potentiometer
- G70 - Air mass meter
- G88 - Throttle valve positioner potentiometer
- J338 - Throttle valve control unit
- J361 - Simos control unit, right in plenum chamber
- N30 - In ector, cylinder 1
- N31 - In ector, cylinder 2
- N32 - In ector, cylinder 3
- N33 - In ector, cylinder 4
- N1 6 - Intake manifold change-over valve
- T10 - 10-pin connector, behind the relay plate
- T28a - 28-pin connector, on left cylinder head
- T68 - 68-pin connector
- V60 - Throttle valve positioner
- 12 - Earth point, left in engine compartment
- 246 - Earth connection, in Simos wiring harness
- E30 - Connection (87), in engine wiring harness
- G3 - Positive (+) connection in cable sleeve - in ectors
- ... - For automatic gearbox only



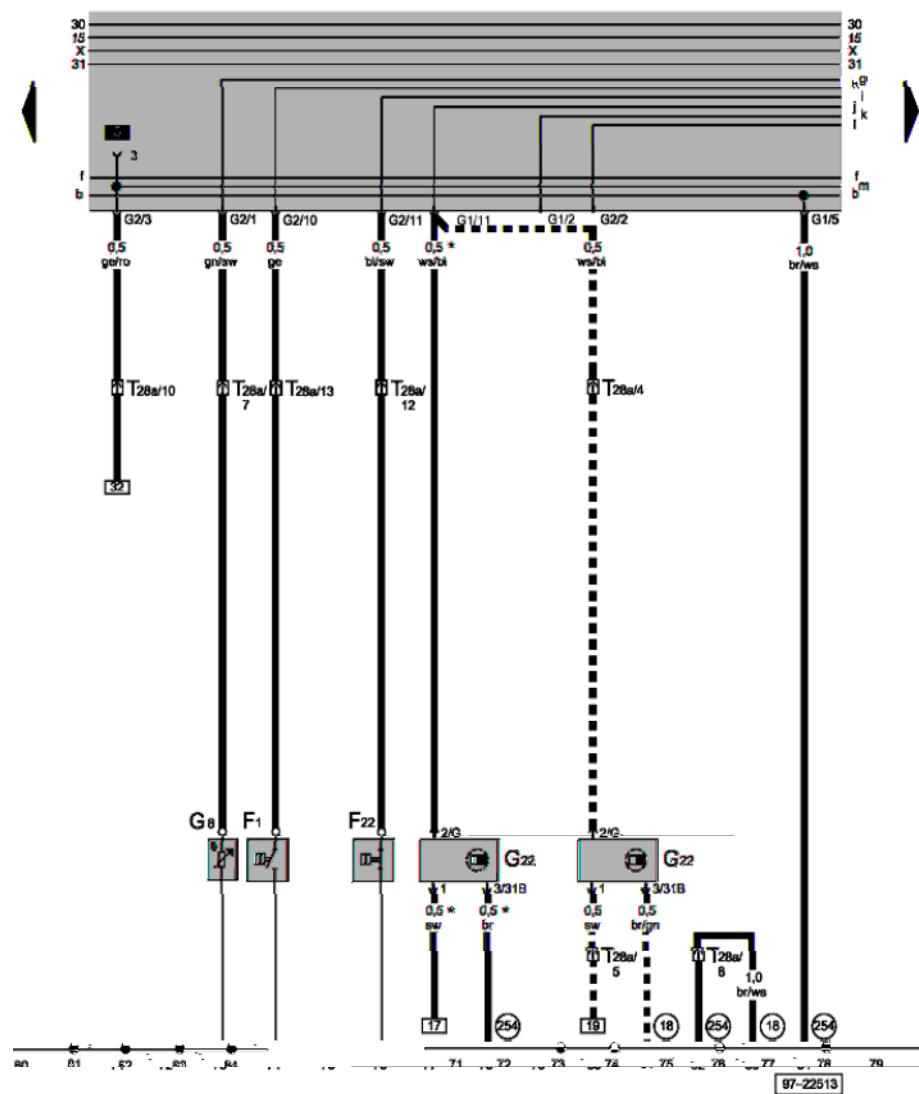
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gn = green  
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li = purple  
vi = purple  
ge = yellow  
or = orange

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pIN1

### Current Flow Diagram

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**Oil temperature sender, oil pressure switch, speedometer sender**

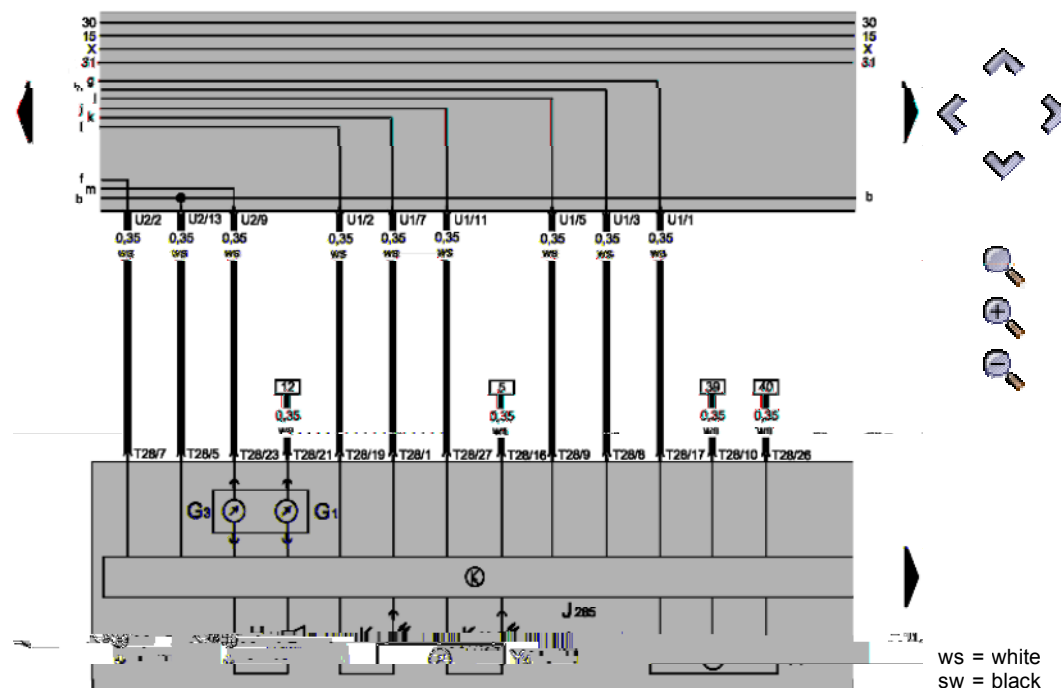
- |       |   |
|-------|---|
| F1    | - Oil pressure switch                         |
| F22   | - Oil pressure switch (0.3 bar)               |
| G8    | - Oil temperature sender                      |
| G22   | - Speedometer sender (Hall sender on gearbox) |
| T28a  | - 28-pin connector, on left cylinder head     |
| 18    | - Earth point, on engine block                |
| 254   | - Earth connection, in Simos wiring harness   |
| *     | - For manual gearbox only                     |
| ■ ■ ■ | - For automatic gearbox only                  |

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## Golf/Vento

## Current Flow Diagram

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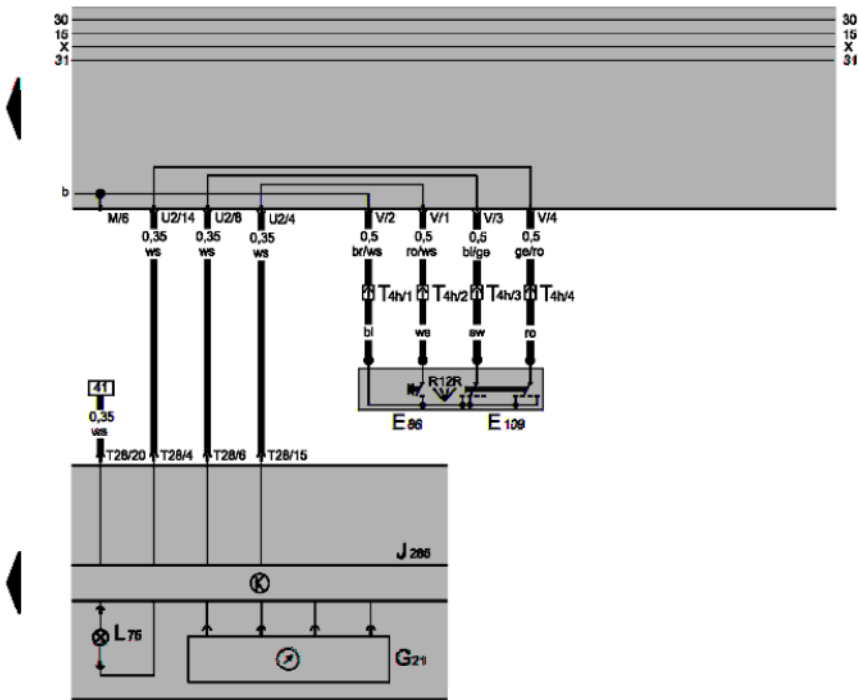


**Dash panel insert, optical and acoustic oil pressure warning, odometer display, coolant shortage and coolant temperature warning, fuel gauge**

- G1 - Fuel gauge
- G3 - Coolant temperature gauge
- H11 - Oil pressure warning buzzer
- J285 - Control unit with display in dash panel insert
- K3 - Oil pressure warning lamp
- K28 - Coolant temperature/coolant shortage warning lamp
- T28 - 28-pin connector, on dash panel insert
- Y4 - Odometer display

ws = white  
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**Dash panel insert, speedometer, multi-function indicator switch**

- E86 - Multi-function display call-up button
- E109 - Multi-function display, memory switch
- G21 - Speedometer
- J285 - Control unit with display in dash panel insert
- L75 - Digital display illumination
- T4h - 4-pin connector, behind steering column switch trim
- T28 - 28-pin connector, on dash panel insert

ws = white  
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bl = blue  
gr = grey  
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vi = purple  
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