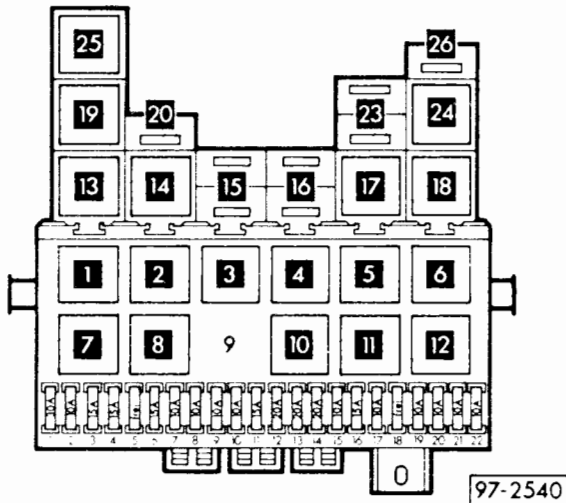
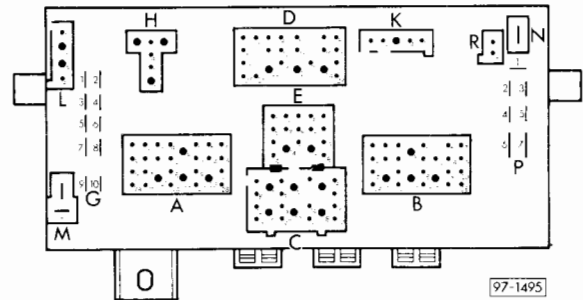


**Transporter (2.1 litre/64 kW and 70 kW fuel injection engine – Digifant) with regulated catalyst, Engine code letters SR and MV, from August 1989**

Relay locations



Connections



- 3** – Coolant shortage control unit (43)
- 5** – Radiator fan 2nd stage relay (53)
- 7** – Fog light relay (53)
- 8** – X contact relief relay (18)
- 10** – Intermittent wash/wipe relay (19)
- 11** – Rear window wash/wipe relay (72)
- 12** – Emergency flasher relay (22) or emergency flasher relay for trailer operation (22)
- 14** – Rear fog light fuse

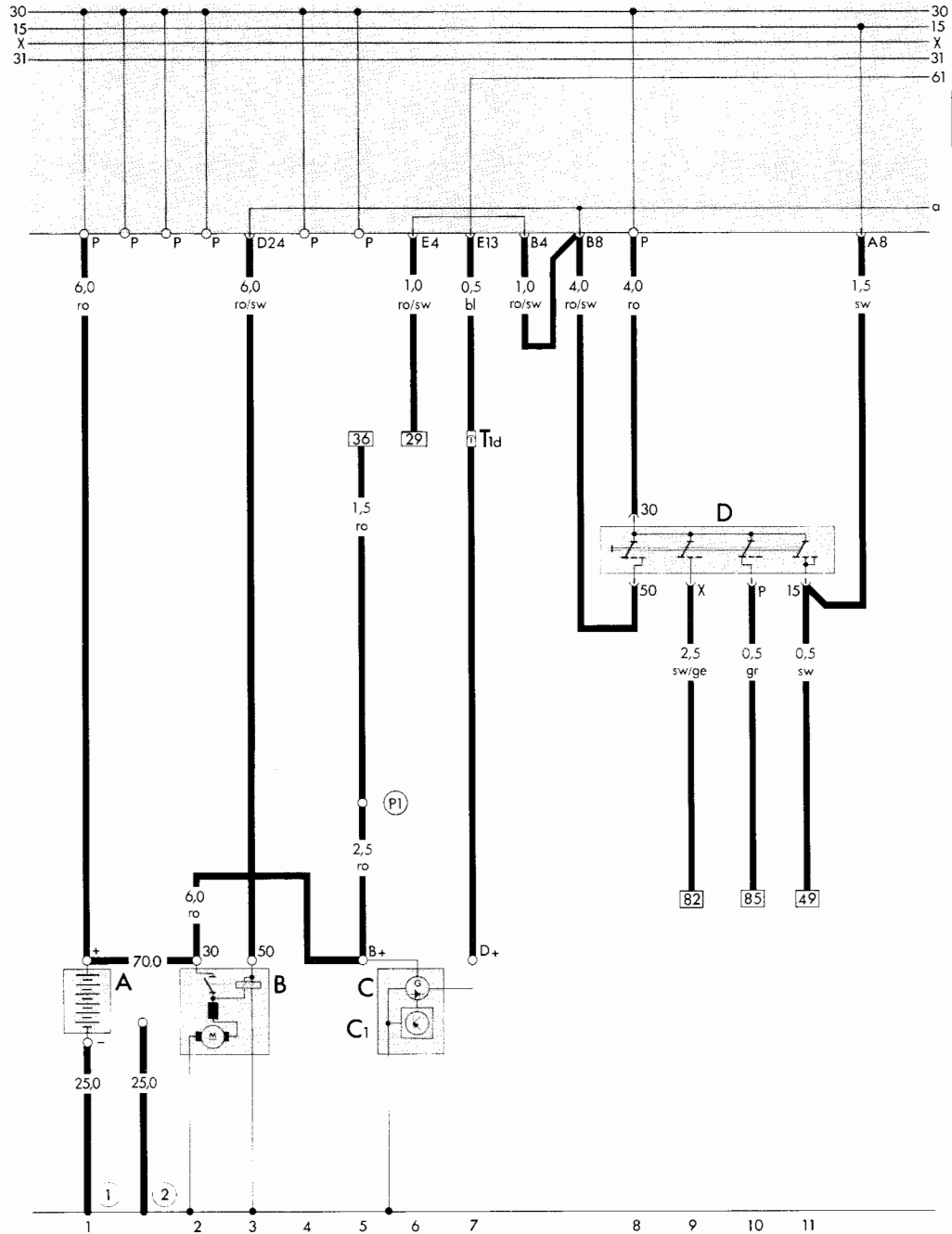
**Fuse colours:**

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

- A – Multi-pin connector (blue) for dash panel wiring loom
- B – Multi-pin connector (red) for dash panel wiring loom
- C – Multi-pin connector (yellow) for front wiring loom
- D – Multi-pin connector (white) for wiring loom, windscreen wipers and main wiring loom
- E – Multi-pin connector (black) for main wiring loom
- G – Single connector
- H – Multi-pin connector (brown), connections – 2nd stage relay for radiator fan
- K – Multi-pin connector (transparent), connections – control unit for coolant shortage indicator
- L – Multi-pin connector (grey), connections – dual horn system
- M – Not in use
- N – Single connector
- P – Single connector – terminal 30
- R – Not in use

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

Battery, starter, alternator, ignition/starter switch



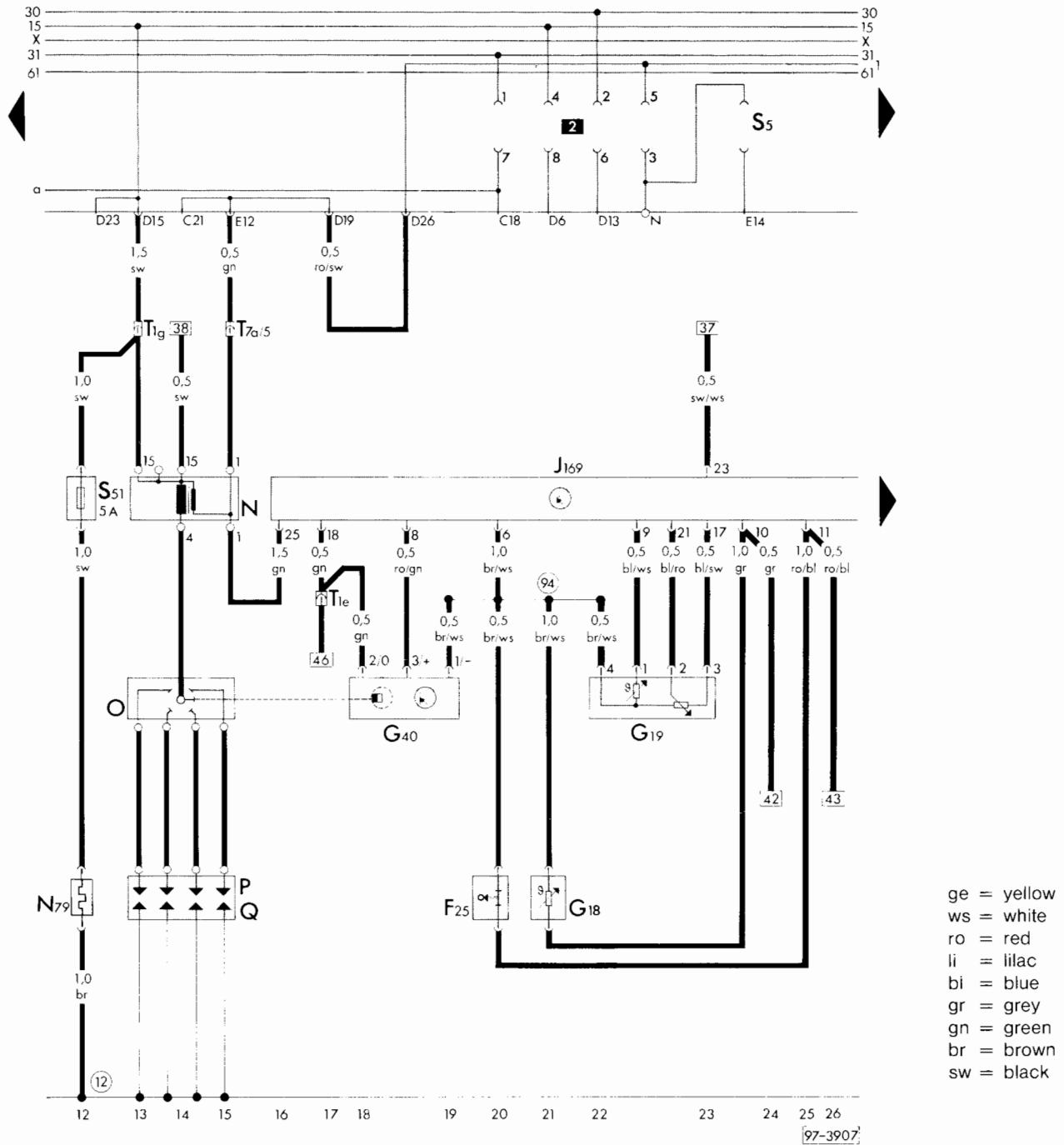
- ge = yellow
- ws = white
- ro = red
- li = lilac
- bl = blue
- gr = grey
- gn = green
- br = brown
- sw = black

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- A - Battery
- B - Starter
- C - Alternator
- C 1 - Voltage/regulator
- D - Ignition/starter switch
- T 1d - Connector single, in junction box - engine compartment

- (1) - Earthing strap, battery - body
- (2) - Earthing strap, gearbox - body
- (P1) - Positive (+) connection (30) in junction box - engine compartment

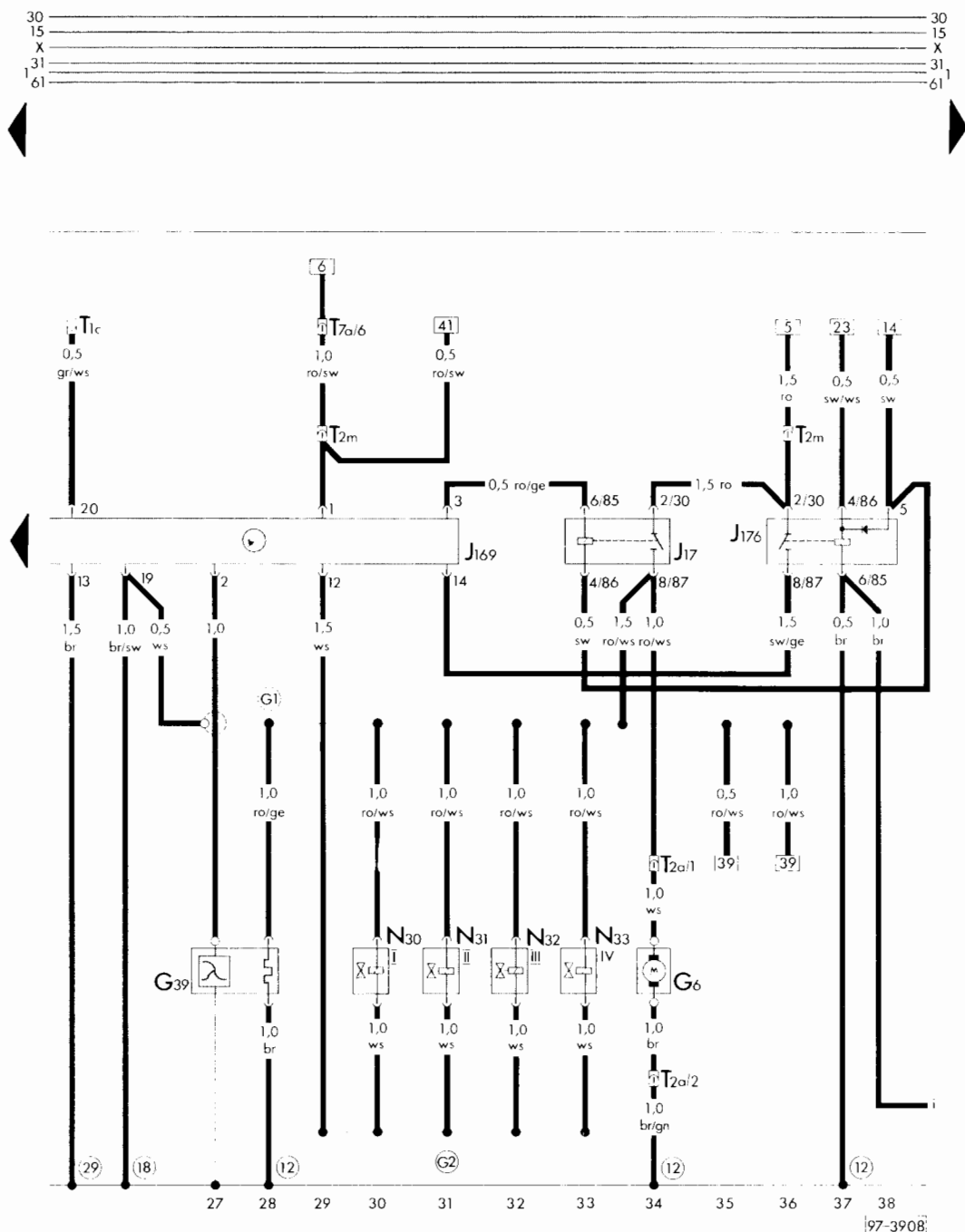
Ignition system, Digifant control unit, electric heating for crankcase breather



- F 25 - Throttle valve switch
- G 18 - Temperature sensor
- G 19 - Air flow meter
- G 40 - Hall sender
- J 169 - Control unit for Digifant under rear seat left
- N - Ignition coil
- N 79 - Heater element (crankcase breather)
- O - Ignition distributor
- P - Spark plug connector
- Q - Spark plugs
- S 51 - Fuse in junction box - engine compartment
- T 1e - Connector single, in engine compartment, left.
- T 1g - Connector, single in junction box - engine compartment
- T 7a/ - Connector 7 pin in junction box - engine compartment

- (12) - Earth point, in engine compartment, left
- (94) - Earth connection, in Digifant wiring loom

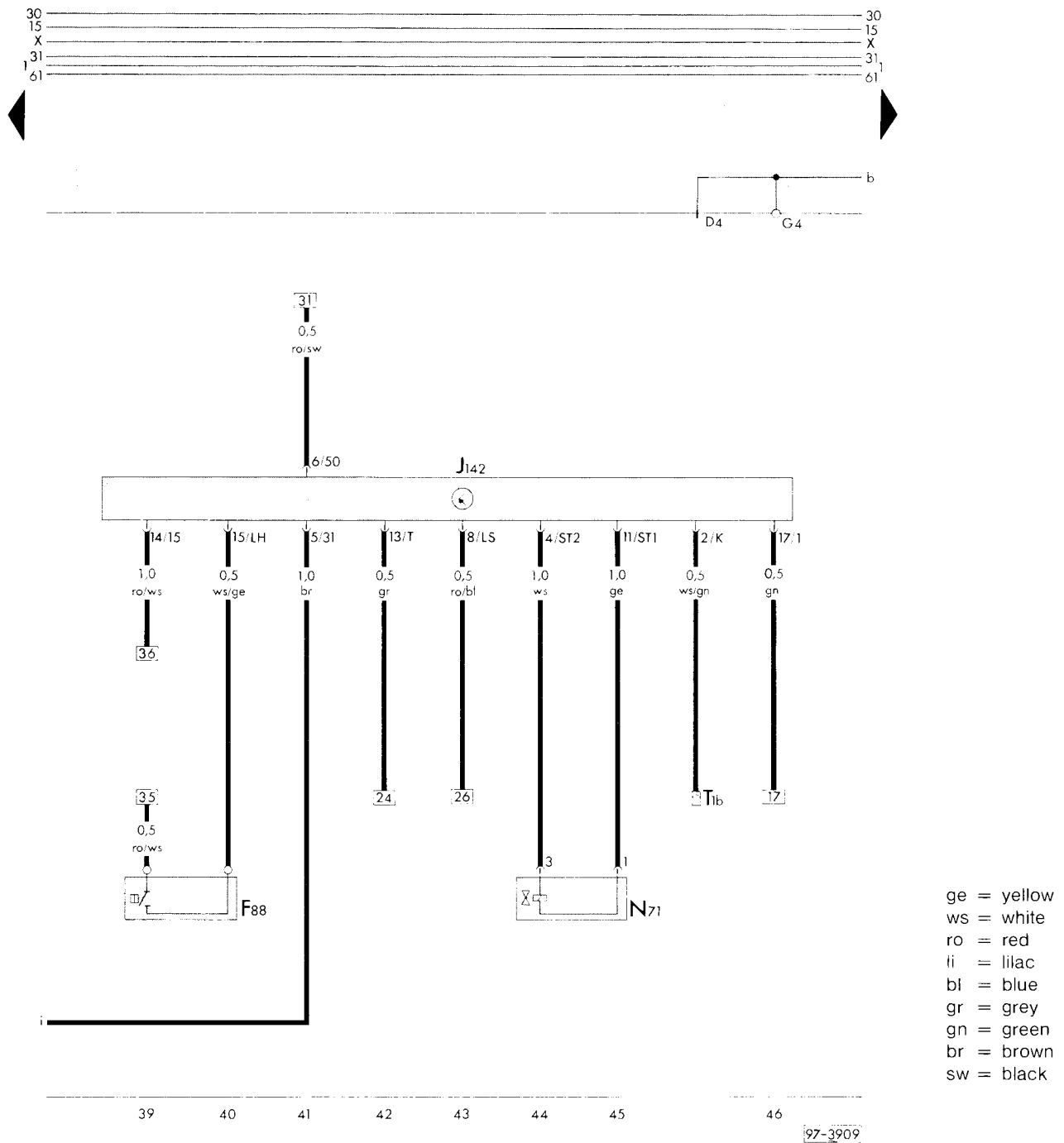
Digifant control unit, Lambda probe, digital fuel injection



ge = yellow  
 ws = white  
 ro = red  
 li = lilac  
 bl = blue  
 gr = grey  
 gn = green  
 br = brown  
 sw = black

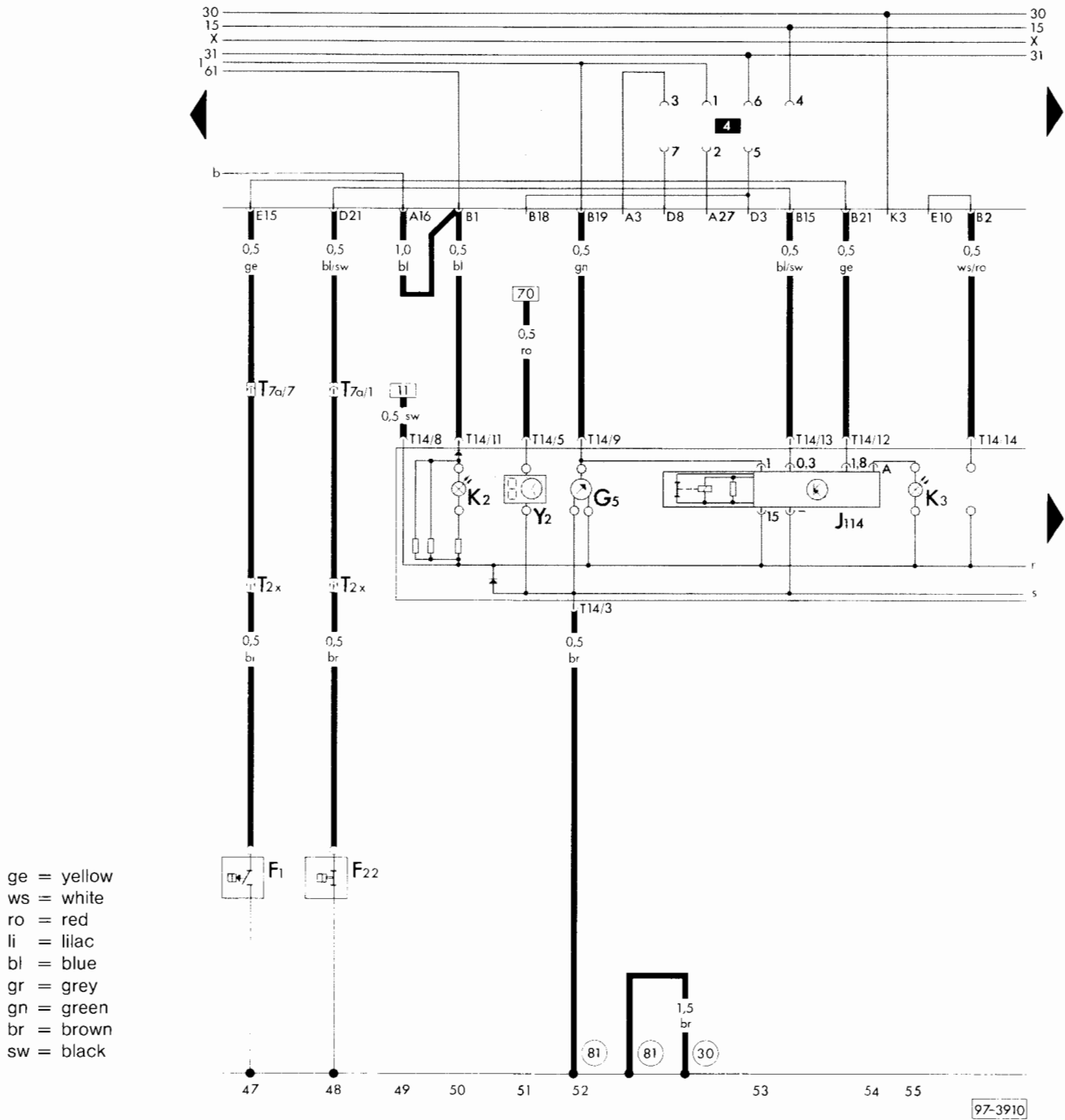
- G 6 - Electric fuel pump
- G 39 - Lambda probe with heating
- J 17 - Fuel pump relay in the relay plate - engine compartment
- J 169 - Control unit for Digifant under rear seat left
- J 176 - Current supply relay for Digifant and idling speed stabilization control units, and injectors in the relay plate - engine compartment
- N 30 - Injector, cylinder 1
- N 31 - Injector, cylinder 2
- N 32 - Injector, cylinder 3
- N 33 - Injector, cylinder 4
- T 1 - Connector single in engine compartment junction box
- T 2a - Connector 2 pin, in engine compartment, left
- T 2m - Connector 2 pin, in the relay plate - engine compartment
- T 7a/ - Connector 7 pin, in junction box - engine compartment
- (12) - Earth point, in engine compartment, left
- (18) - Earth point, on cylinder block
- (29) - Earth point, near Digifant control unit
- (G1) - Positive (+) connection, in Digifant wiring loom
- (G2) - Connection in Digifant wiring loom

Idling speed stabilization



- F 88 - Pressure switch for PAS
- J 142 - Control unit for idling speed stabilization
- N 71 - Control valve for idling speed stabilization
- T 1b - Connector single in engine compartment, left (air conditioner connection).

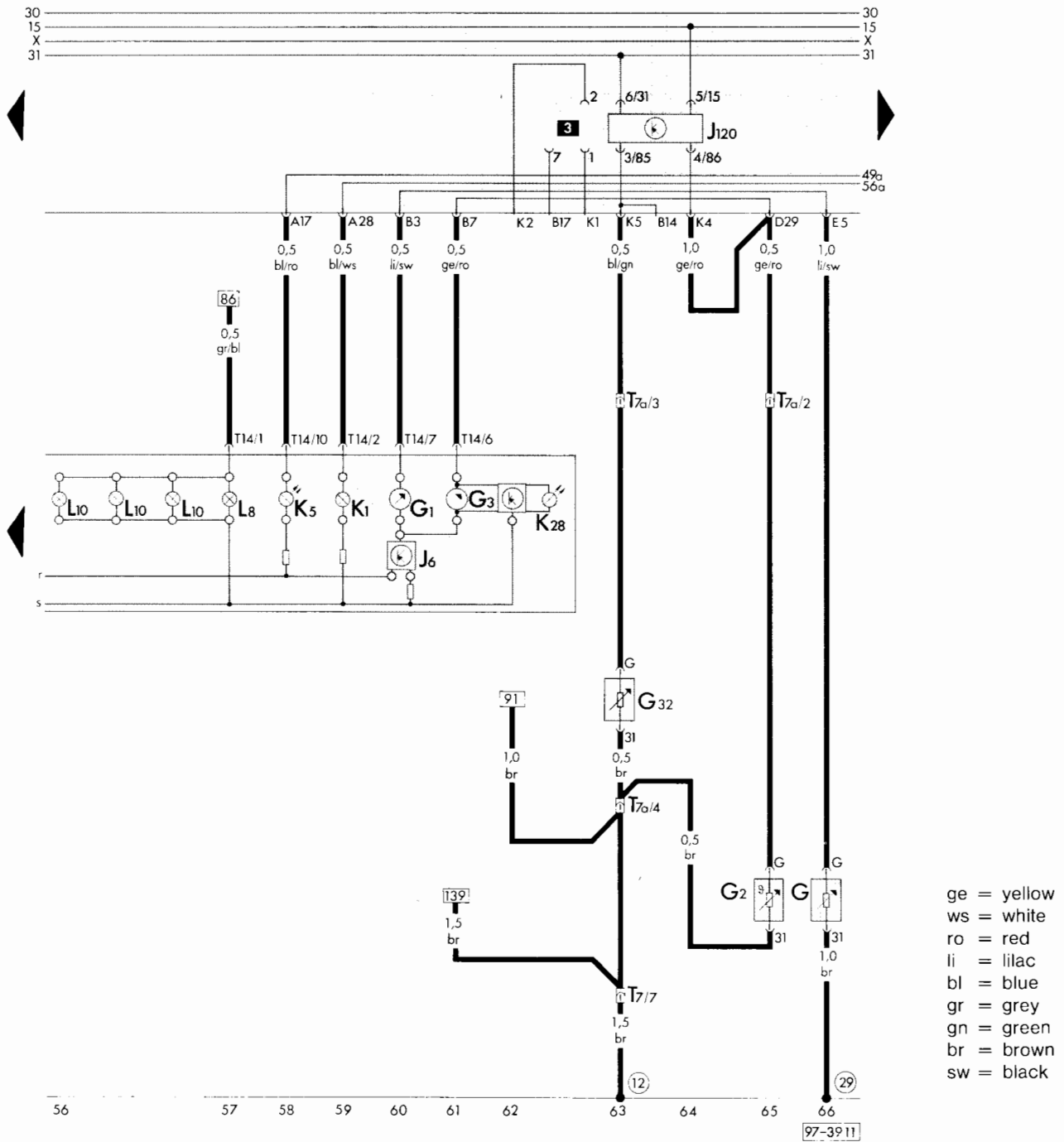
Dash panel insert, optical and acoustic oil pressure warning



- F 1 - Oil pressure switch (0.9 bar)
- F 22 - Oil pressure switch (0.3 bar)
- G 5 - Rev. counter
- J 114 - Oil pressure warning control unit
- K 2 - Generator warning lamp
- K 3 - Oil pressure warning lamp
- T 2x - Connector 2 pin, in engine compartment, centre
- T 7a/ - Connector 7 pin, in junction box - engine compartment
- T 14/ - Connector 14 pin, on dash panel insert
- Y 2 - Digital clock

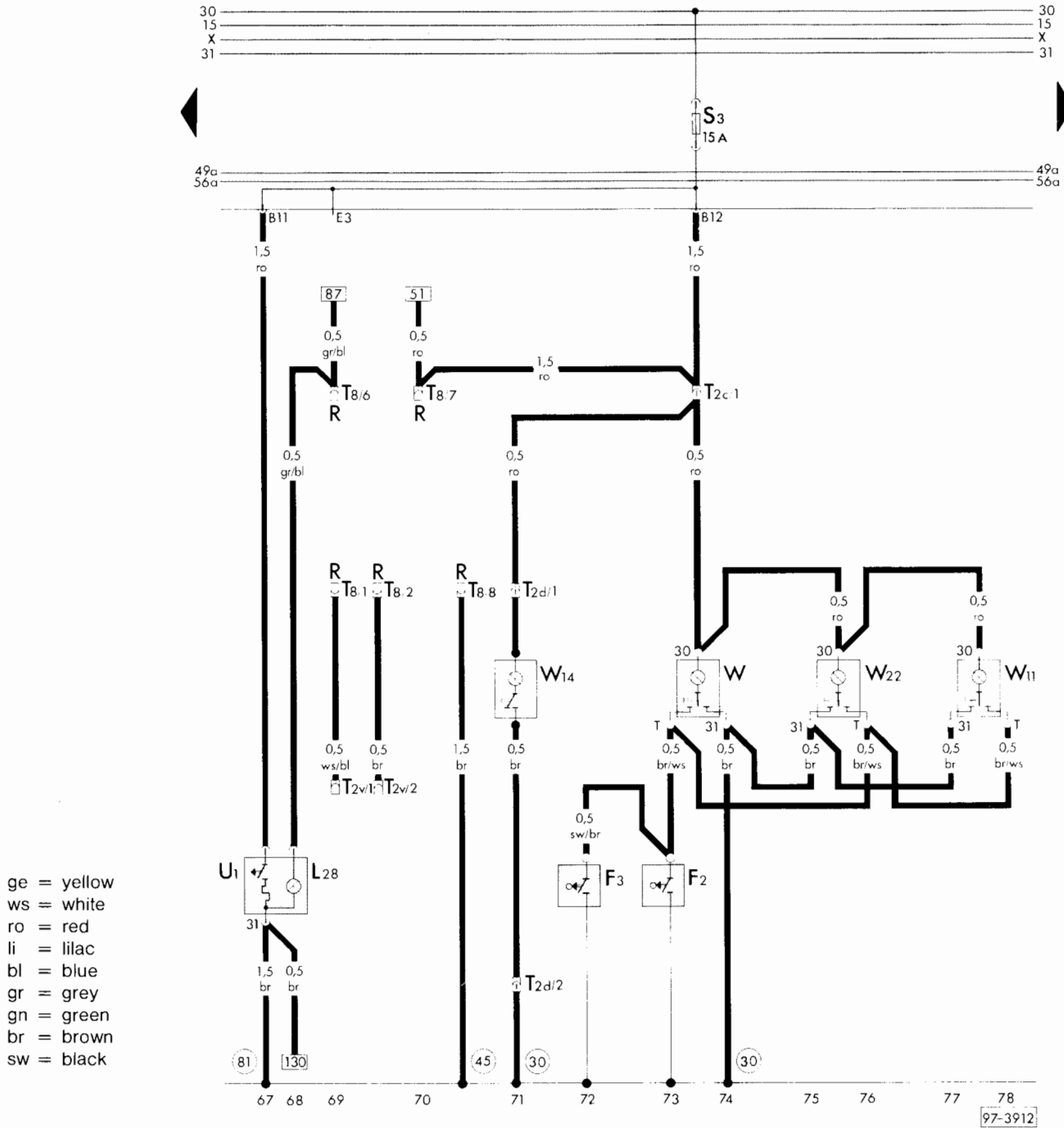
- (30) - Earth point, next to relay plate
- (81) - Earth connection, in dash panel wiring loom

Dash panel insert, coolant temperature and coolant shortage indicators (V.A.G 1466), sender



- G - Fuel gauge sender
- G 1 - Fuel gauge
- G 2 - Coolant temperature gauge sender
- G 3 - Coolant shortage indicator sender
- J 6 - Voltage stabilizer
- J 120 - Control unit for coolant shortage indicator
- K 1 - Main beam warning lamp
- K 5 - Turn signal warning lamp
- K 28 - Warning lamp for coolant temperature/coolant shortage
- L 8 - Clock light bulb
- L 10 - Dash panel insert light bulb
- T 7a/ - Connector 7 pin in junction box - engine compartment
- T 14/ - Connector 14 pin on dash panel insert
- (12) - Earth point, in engine compartment, left.

Cigarette lighter, radio, interior light



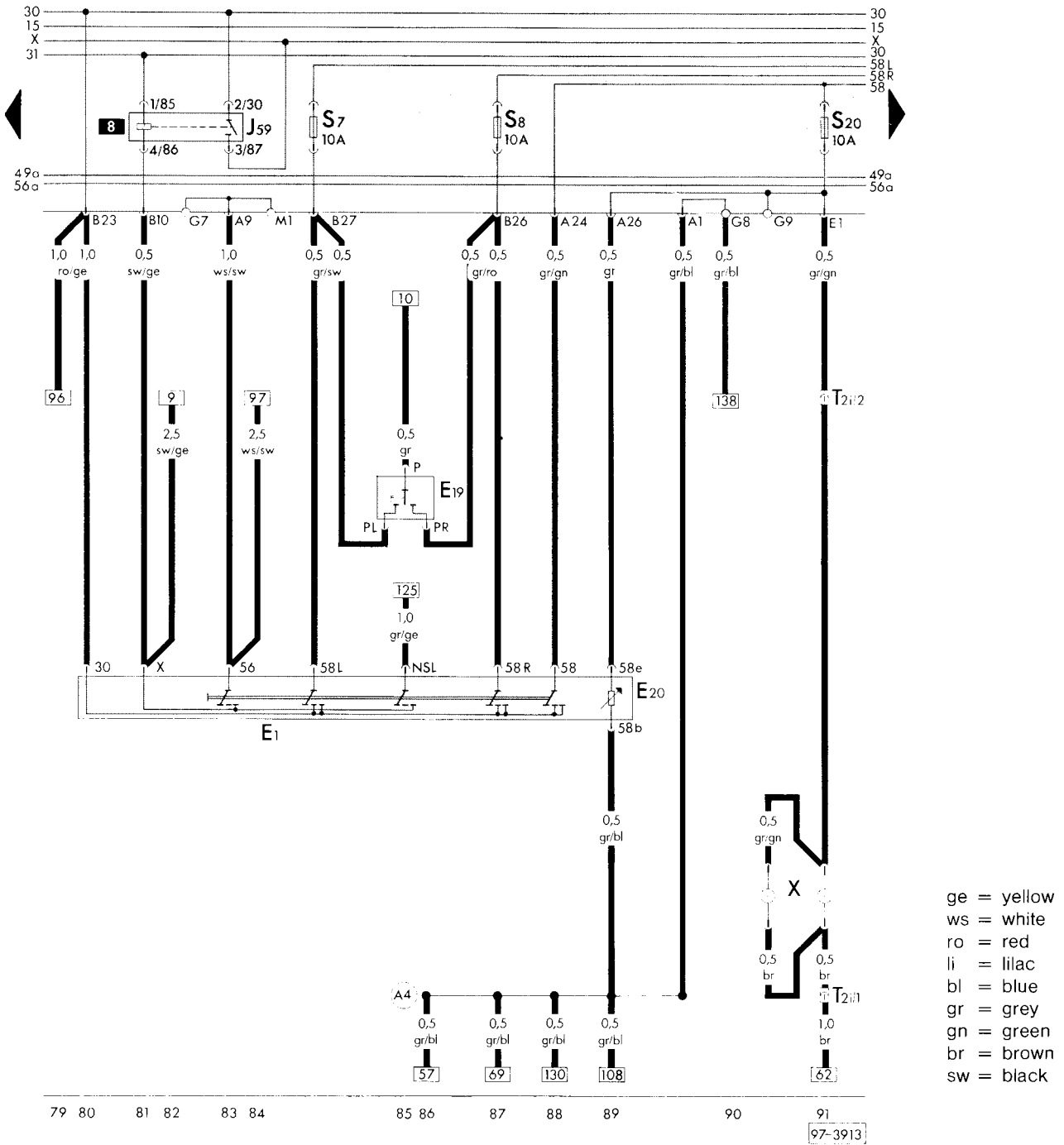
- ge = yellow
- ws = white
- ro = red
- li = lilac
- bl = blue
- gr = grey
- gn = green
- br = brown
- sw = black

- F 2 - Front left door contact switch
- F 3 - Front right door contact switch
- L 28 - Cigarette lighter light bulb
- R - Connection for radio
- T 2c - Connector 2 pin, behind dash panel, left
- T 2d - Connector 2 pin, on A-pillar, upper right
- T 2v - Connector 2 pin, behind dash panel, centre
- T 8 - Connector 8 pin, behind dash panel, centre
- U 1 - Cigarette lighter
- W - Interior light, front (Driver's side)
- W 11 - Reading lamp, rear left
- W 14 - Illuminated Make-up mirror (passenger's side)
- W 22 - Reading lamp, behind driver's seat

- (30) - Earth point, next to relay plate
- (45) - Earth point, behind dash panel, centre
- (81) - Earth connection, in dash panel wiring loom

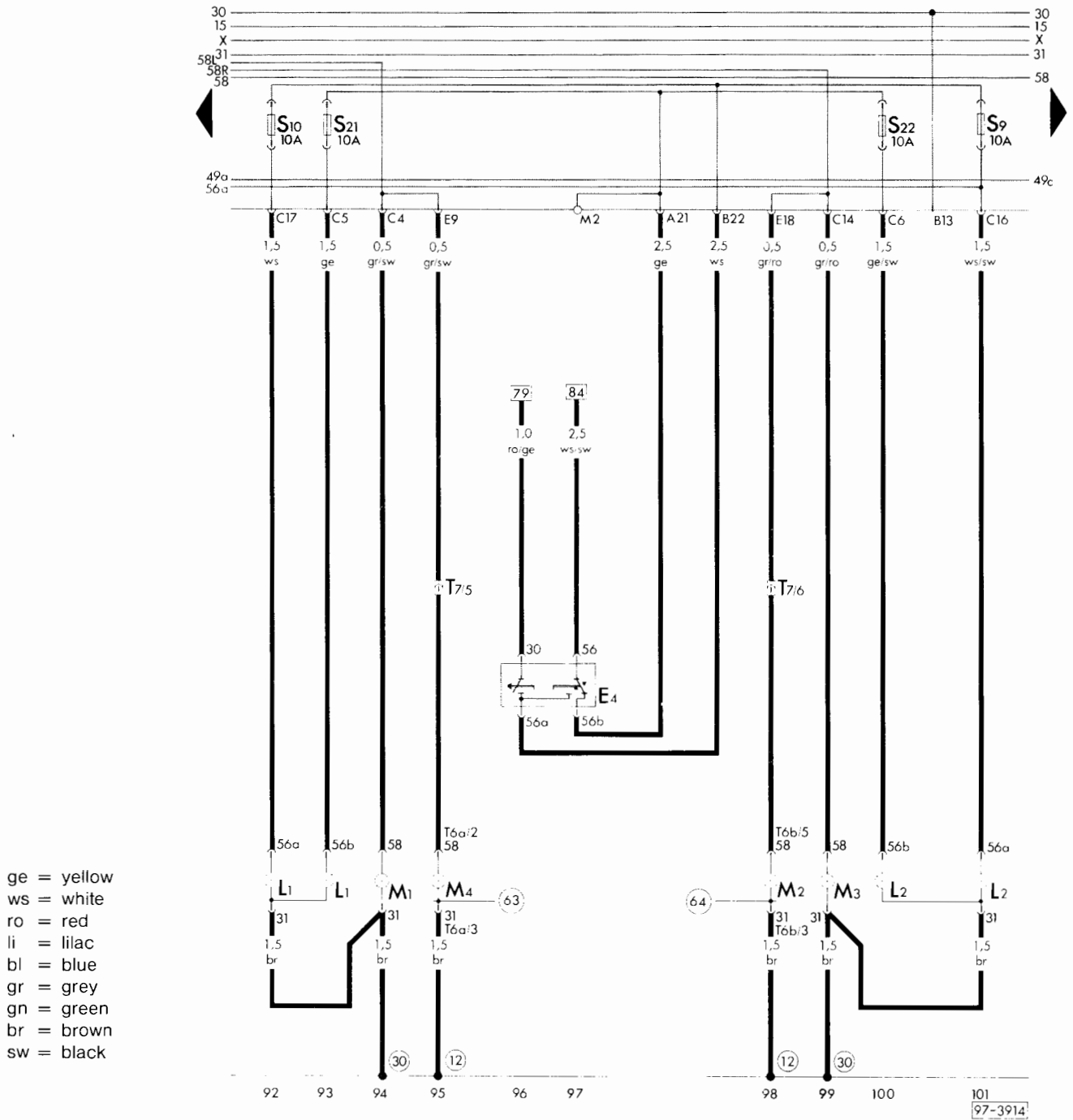


Lighting switch, number plate light, parking light, instrument lighting



- E 1 - Lighting switch
- E 19 - Parking light switch
- E 20 - Instrument/dash panel lighting control
- J 59 - Relief relay for x contact
- T 2i - Connector 2 pin, in junction box - engine compartment
- X - Number plate light
- (A4) - Positive (+) connection (58b), in dash panel wiring loom

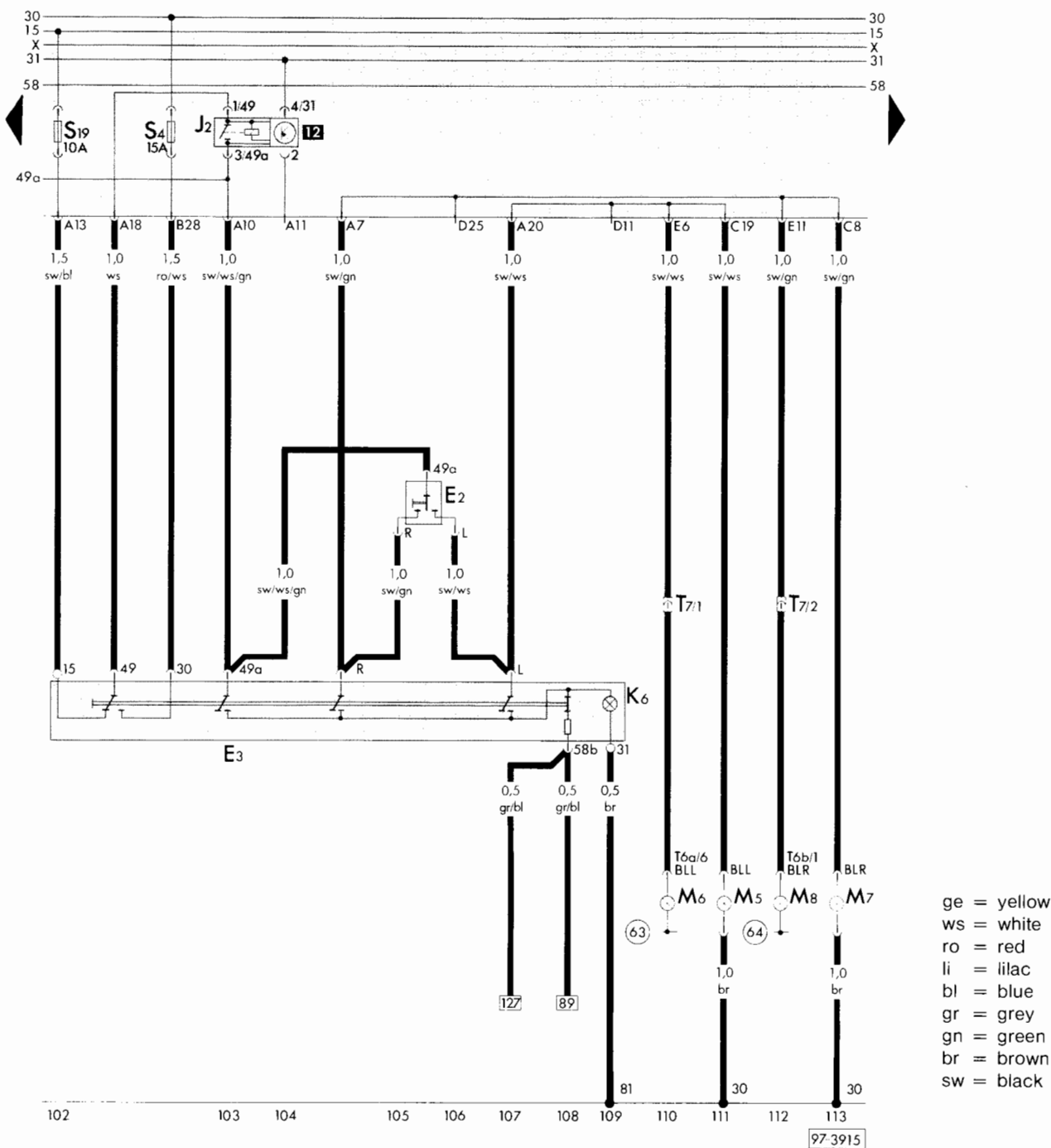
Headlights, tail lights, headlight dipper/flasher switch



- ge = yellow
- ws = white
- ro = red
- li = lilac
- bl = blue
- gr = grey
- gn = green
- br = brown
- sw = black

- E 4 - Headlight dipper/flasher switch
- L 1 - Twin filament bulb, left headlight
- L 2 - Twin filament bulb, right headlight
- M 1 - Side light bulb, left
- M 2 - Tail light bulb, right
- M 3 - Side light bulb, right
- M 4 - Tail light bulb, left
- T 6a - Connector 6 pin, on tail light, left
- T 6b - Connector 6 pin, on tail light, right
- T 7/ - Connector 7 pin in junction box - engine compartment
- (12) - Earth point, in engine compartment
- (30) - Earth point, next to relay plate
- (63) - Earth point, left hand tail light bulb holder
- (64) - Earth point, right hand tail light bulb holder

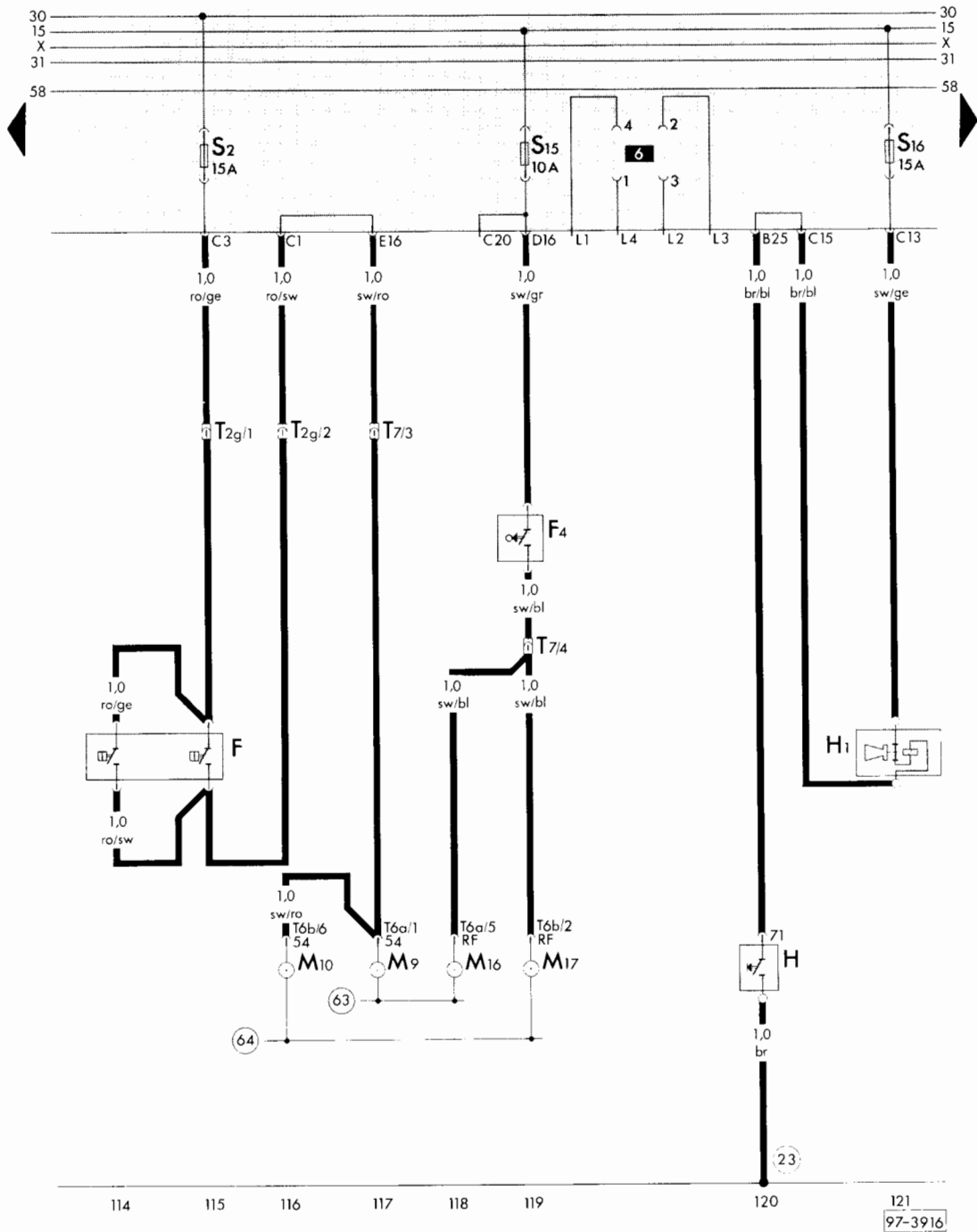
## Turn signal and emergency flasher systems



- E 2 - Turn signal switch
- E 3 - Emergency light switch
- J 2 - Emergency light relay
- K 6 - Emergency light system warning lamp
- M 5 - Front left turn signal bulb
- M 6 - Rear left turn signal bulb
- M 7 - Front right turn signal bulb
- M 8 - Rear right turn signal bulb
- T 6a - Connector 6 pin, on tail light, left
- T 6b - Connector 6 pin, on tail light, right
- T 7/ - Connector 7 pin, in junction box - engine compartment

- (30) - Earth point, next to relay plate
- (63) - Earth point, left hand tail light bulb holder
- (64) - Earth point, right hand tail light bulb holder
- (81) - Earth connection, in dash panel wiring loom

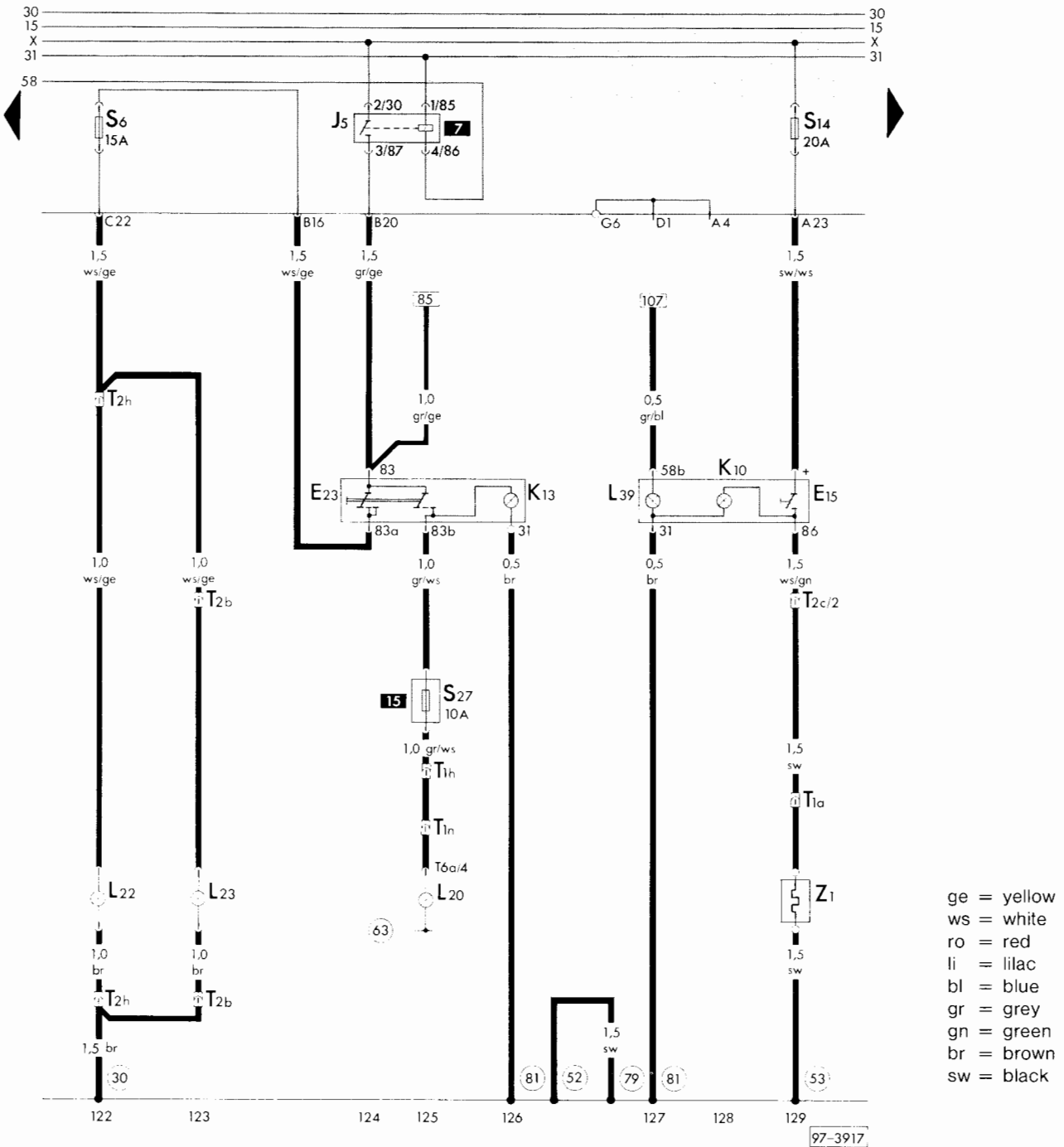
Brake lights, reversing lights, horn



- ge = yellow
- ws = white
- ro = red
- li = lilac
- bl = blue
- gr = grey
- gn = green
- br = brown
- sw = black

- F - Brake light switch
  - F 4 - Reversing light switch
  - H - Horn plate
  - H 1 - Horn
  - M 9 - Brake light bulb, left
  - M 10 - Brake light bulb, right
  - M 16 - Reversing light bulb left
  - M 17 - Reversing light bulb right
  - T 2g - Connector 2 pin, behind dash panel
  - T 6a - Connector 6 pin, on tail light, left
  - T 6b - Connector 6 pin, on tail light, right
  - T 7/ - Connector 7 pin, in junction box - engine compartment
- (23) - Earth wire, above steering gear
  - (63) - Earth point, left hand tail light bulb holder
  - (64) - Earth point, right hand tail bulb holder

Foglights, rear foglight, heated rear window

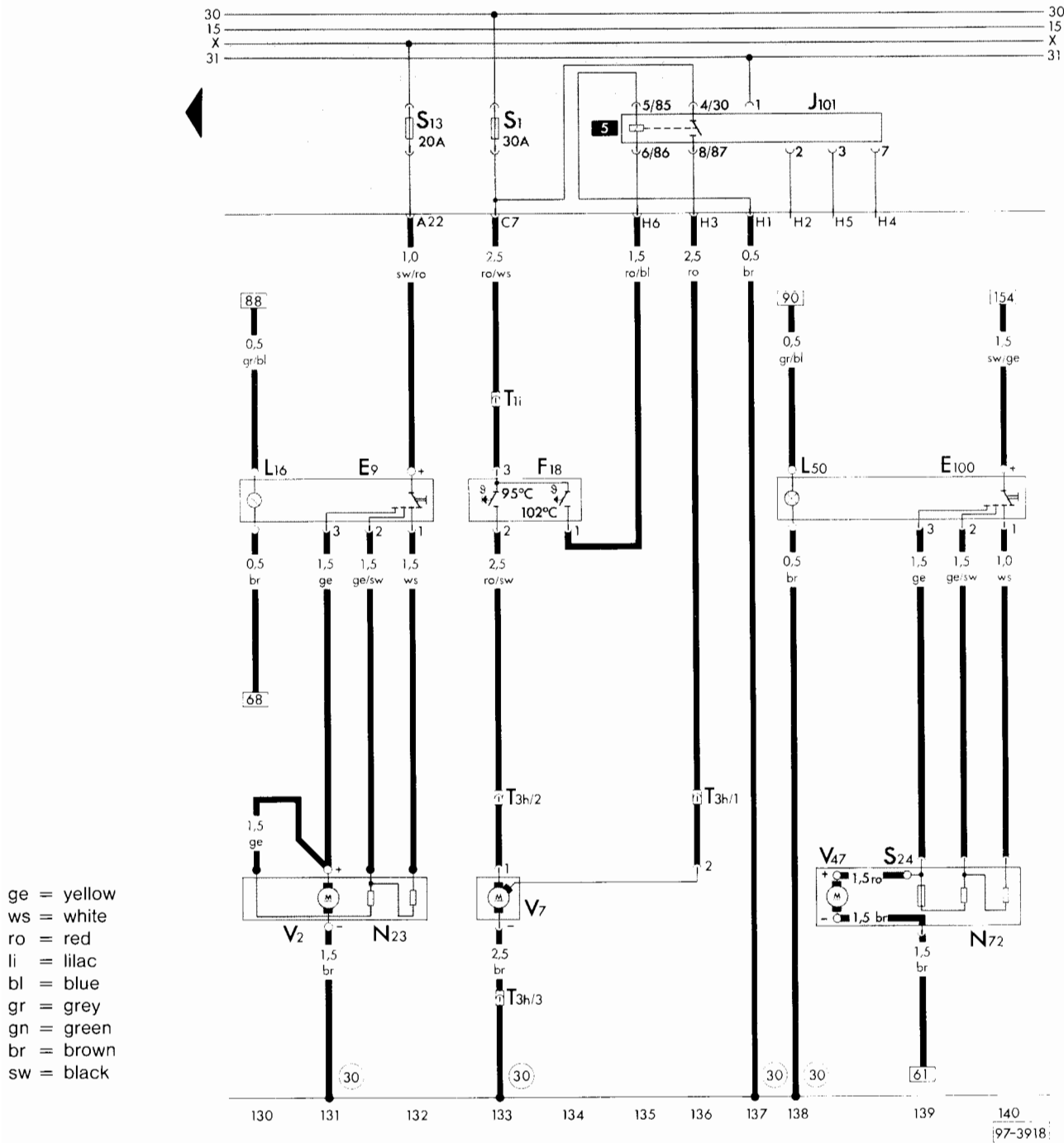


ge = yellow  
 ws = white  
 ro = red  
 li = lilac  
 bl = blue  
 gr = grey  
 gn = green  
 br = brown  
 sw = black

- E 15 - Heated rear window switch
- E 23 - Fog light and rear fog light switch
- J 5 - Fog light relay
- K 10 - Heated rear window warning lamp
- K 13 - Rear fog light warning lamp
- L 20 - Rear fog light bulb
- L 22 - Fog light bulb, left
- L 23 - Fog light bulb, right
- L 39 - Heated rear window switch bulb
- S 27 - Single fuse for rear fog light
- T 1a - Connector single, above window, rear left
- T 1h - Connector single, behind dash panel, left
- T 1n - Connector single, in engine compartment junction box
- T 2b - Connector, 2 pin, behind upper air outlet trim, right
- T 2c - Connector 2 pin, behind dash panel, left
- T 2h - Connector 2 pin, behind upper air outlet trim, left
- T 6a - Connector 6 pin, on tail light, left
- Z 1 - Heated rear window

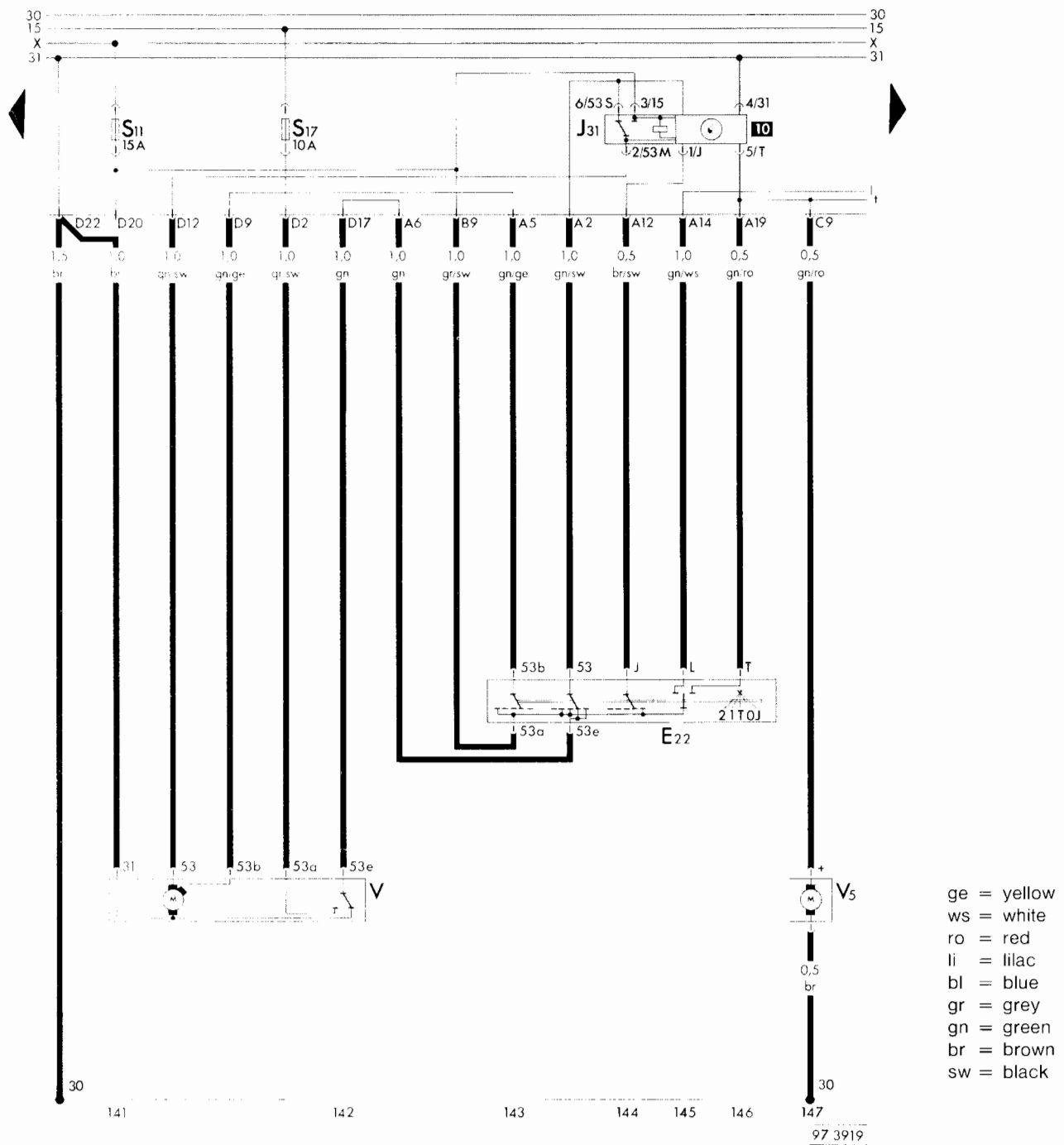
- (30) - Earth point, next to relay plate
- (52) - Earth point, in tailgate, left
- (53) - Earth point, in tailgate, right
- (63) - Earth point, left hand tail light bulb holder
- (79) - Earth point, roof frame rear left, near tailgate wiring loom hole
- (81) - Earth connection, in dash panel wiring loom

Fresh air blower, radiator fan (200/300 watt), warm air blower



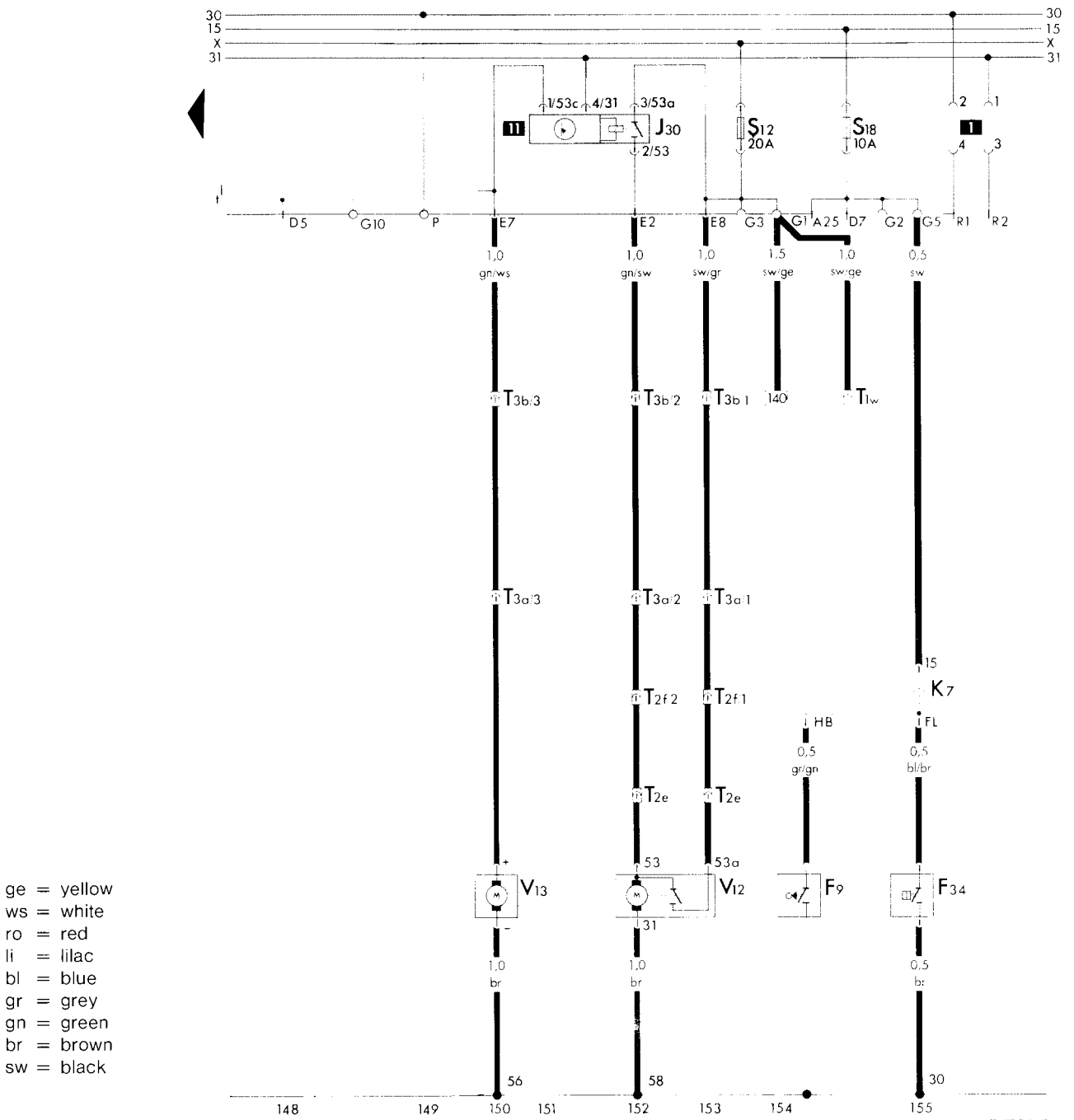
- E 9 - Fresh air blower switch
- E 100 - Switch for warm air blower
- F 18 - Radiator fan thermo switch
- J 101 - Radiator fan 2nd stage relay
- L 16 - Fresh air controls light bulb
- L 50 - Bulb for warm air blower switch light
- N 23 - Serie resistance for fresh air blower
- N 72 - Series resistance for warm air blower
- S 24 - Overheating fuse
- T 1i - Connector single behind dash panel, left
- T 3h - Connector 3 pin, behind upper air outlet trim
- V 2 - Fresh air blower
- V 7 - Radiator fan (200/300 watt)
- V 47 - Warm air blower
- (30) - Earth point, next to relay plate

Windscreen wiper and washer systems (V.A.G 1466)



- E 22 - Intermittent wiper switch
- J 31 - Intermittent wash/wipe relay
- V - Windscreen wiper motor
- V 5 - Windscreen washer pump
- 30 - Earth point, next to relay plate

Rear window wiper and washer system (V.A.G 1466), handbrake and brake fluid level warning



- ge = yellow
- ws = white
- ro = red
- li = lilac
- bl = blue
- gr = grey
- gn = green
- br = brown
- sw = black

- F 9 - Handbrake warning system switch
- F 34 - Brake fluid level warning contact
- J 30 - Rear window wiper/washer relay
- K 7 - Dual circuit brake and handbrake warning lamp
- T 1w - Connector single, behind relay plate
- T 2e - Connector 2 pin, in tailgate, near wiper motor
- T 2f - Connector 2 pin behind C-pillar trim upper right
- T 3a - Conector 3 pin behind dash panel, right
- T 3b - Conector 3 pin behind dash panel, left
- V 12 - Rear wiper motor
- V 13 - Rear window washer pump

- (30) - Earth point, next to relay plate
- (56) - Earth point, next to water reservoir, rear right
- (58) - Earth point, near rear wiper motor

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