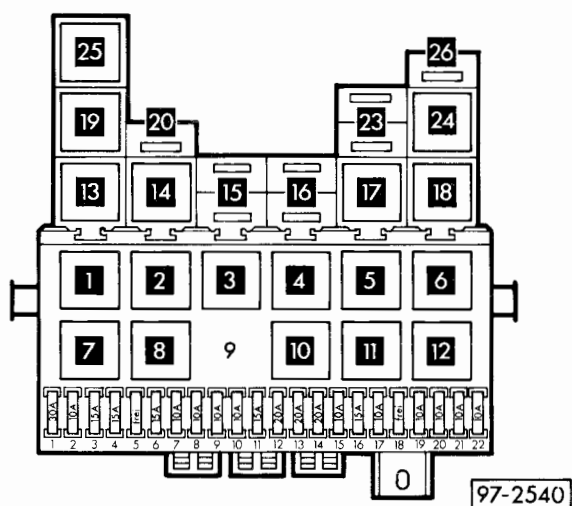


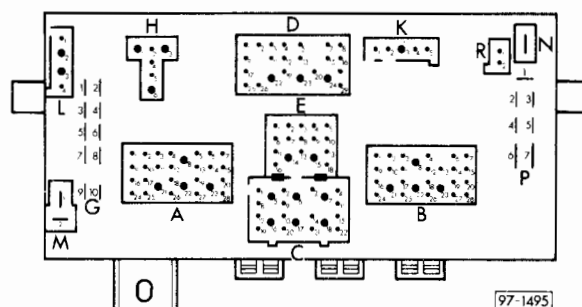
Transporter (1.9 litre/54 kW and 57 kW 2 E 3 carburetor engine), Engine code letters SP and DG,

from July 1987

Relay locations



Connections



- 3** – Coolant shortage control unit (43)
- 5** – Radiator fan 2nd stage relay (53)
- 7** – Foglight relay (53)
- 8** – X-contact relief relay (18)
- 10** – Intermittent wash/wipe relay (19)
- 11** – Rear window wipe/wash relay (72)
- 12** – Emergency flasher relay (21) or emergency flasher relay for trailer operation (22)
- 13** – Headlight washer system relay (33)
- 15** – Rear foglight fuse
- 16** – Fuse, terminal 58 b

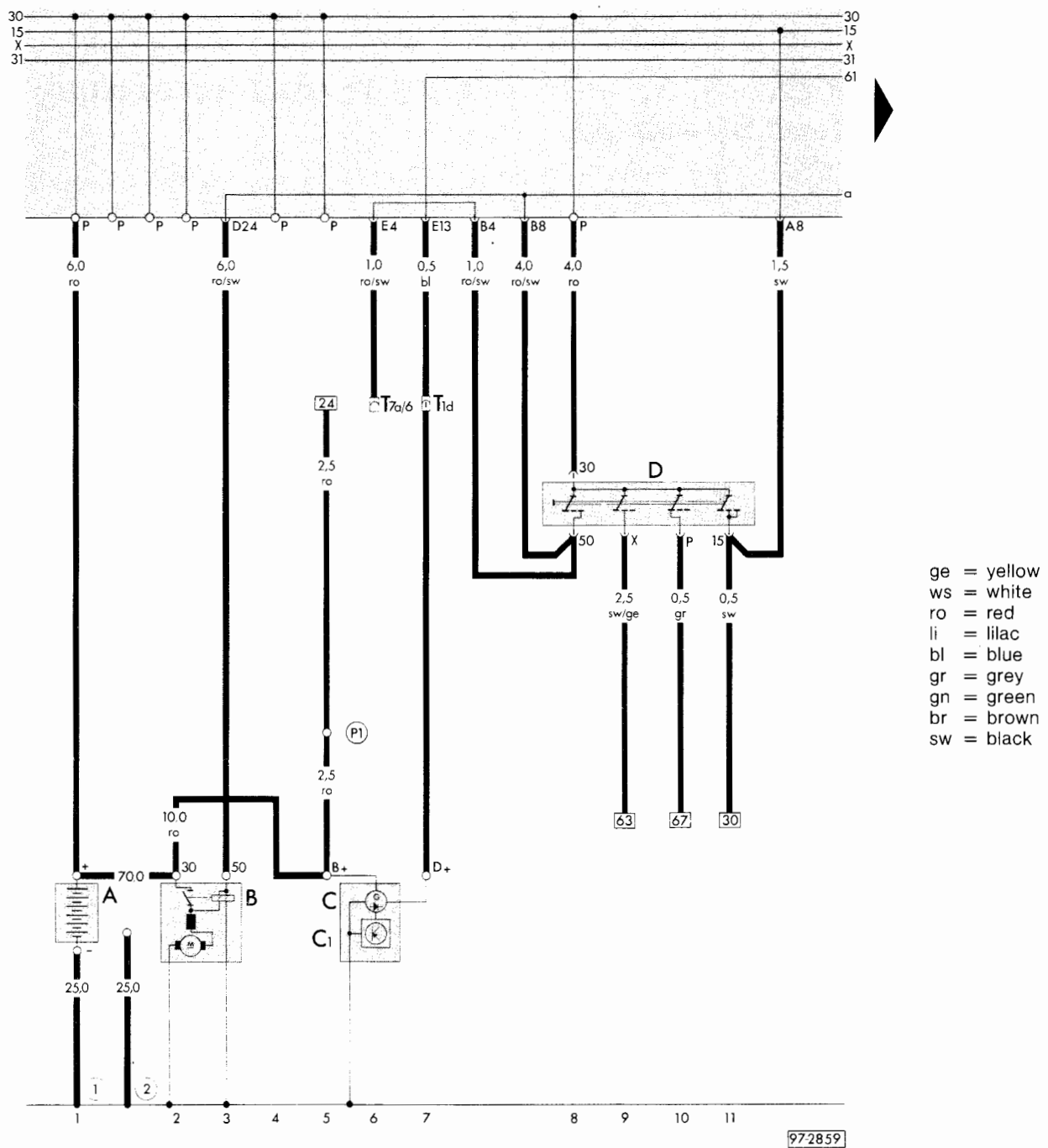
- A – Multi-pin connector (blue) for dash panel wiring loom
- B – Multi-pin connector (red) for dash panel wiring loom
- C – Multi-pin connector (yellow) for front wiring loom
- D – Multi-pin connector (white) for wiring loom, windscreen wipers and main wiring loom
- E – Multi-pin connector (black) for 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

Fuse colours:

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

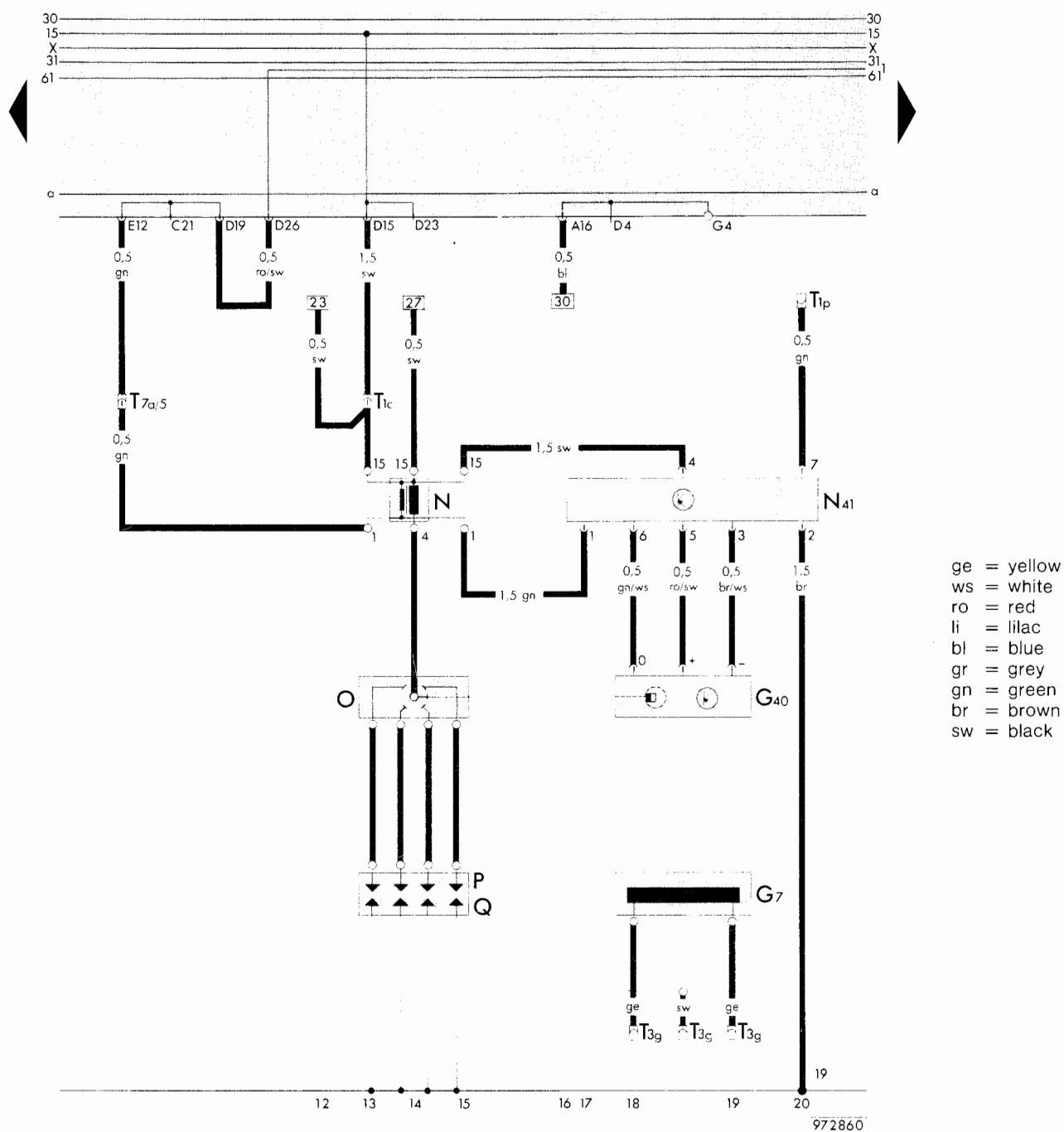
The numbers in brackets behind the part designation refer to production control numbers stamped on the housing.

Battery, starter, alternator, ignition/starter switch



- A – Battery
- B – Starter
- C – Alternator
- C 1 – Voltage regulator
- D – Ignition/starter switch
- T 1d – Connector single, in junction box – engine compartment
- T 7a – Connector 7 pin, in engine compartment junction box
- ① – Earthing strap, battery – body
- ② – Earthing strap, gearbox – body
- Ⓟ1 – Positive (+) connection (30) in junction box – engine compartment

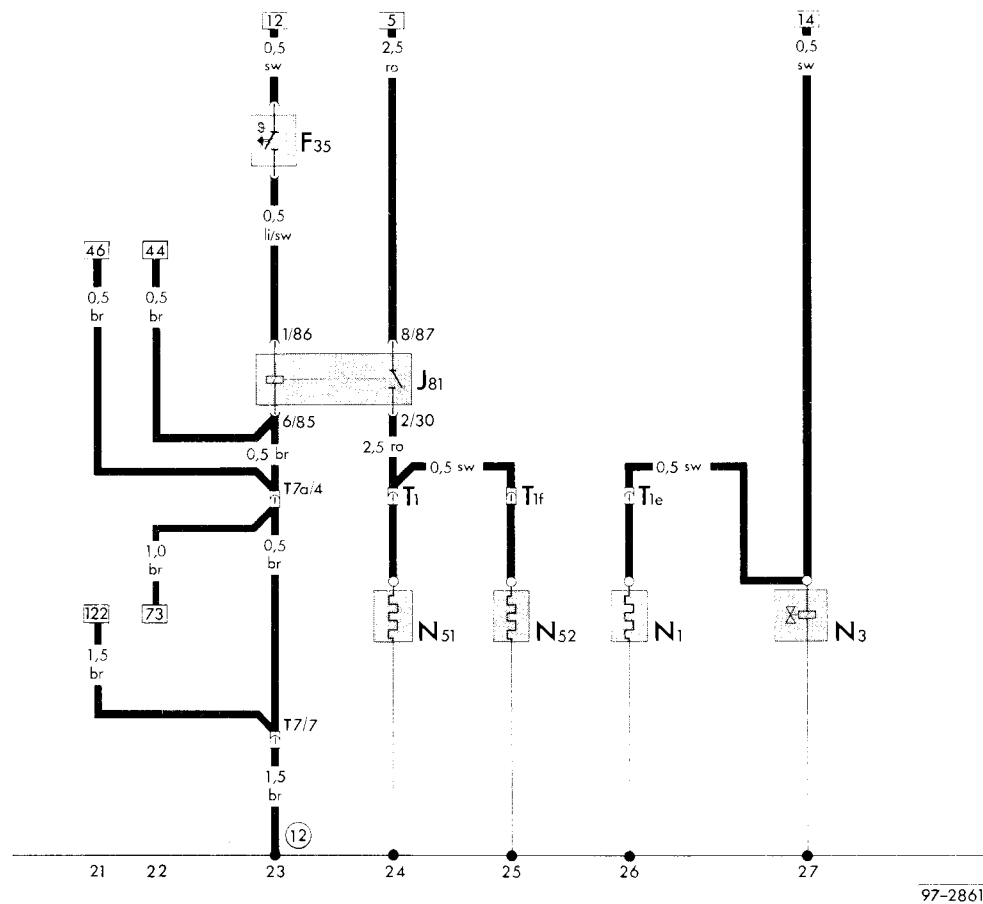
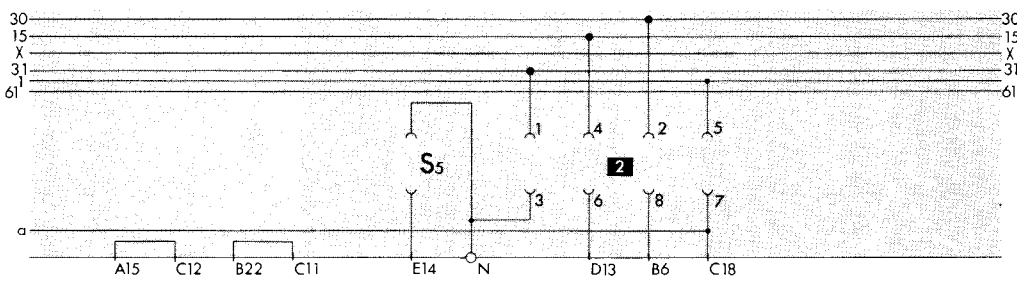
Ignition system



- G 7 — TDC sender
- G 40 — Hall sender
- N — Ignition coil
- N 41 — TCI switch unit
- O — Ignition distributor
- P — Spark plug connector
- Q — Spark plugs
- T 1c — Connector single, in junction box – engine compartment
- T 1p — Connector single, near TCI switch unit
- T 3g — Connector 3 pin, near alternator
- T 7a/ — Connector 7 pin in junction box – engine compartment

- ①9 — Earth point, near coil

Intake manifold preheating, automatic choke



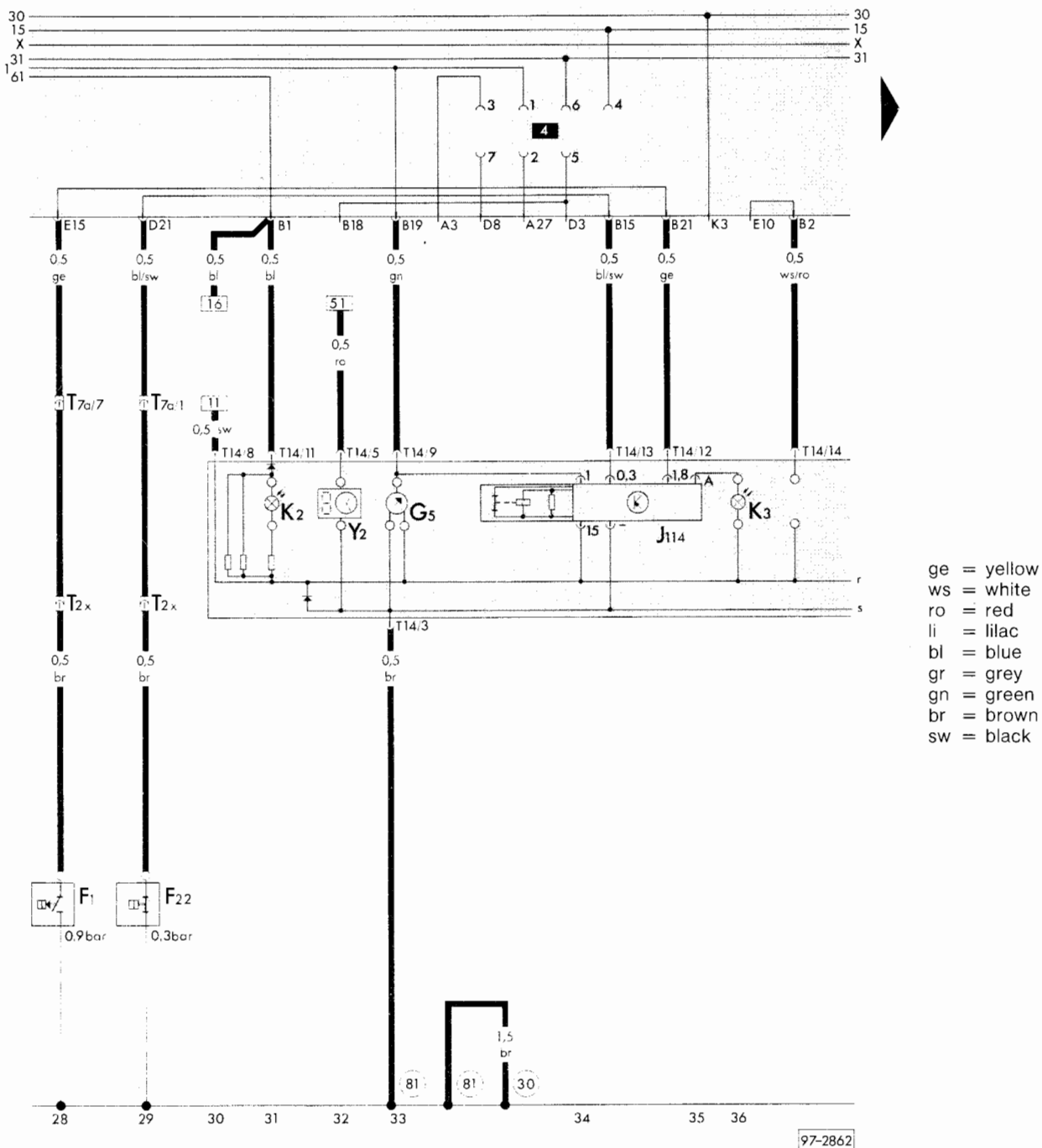
ge = yellow
ws = white
ro = red
li = lilac
bl = blue
gr = grey
gn = green
br = brown
sw = black

- F 35 — Thermoswitch for intake manifold preheating
J 81 — Intake manifold preheating relay
N 1 — Automatic choke
N 3 — By-pass air cut-off valve
N 51 — Heater element for intake manifold preheating
N 52 — Heater element (part throttle channel heating/ carburetor)
T 1 — Connector single, in junction box — engine compartment, centre
T 1e — Connector single, in engine compartment, centre
T 1f — Connector single, in engine compartment, centre
T 7/ — Connector 7 pin, in junction box — engine compartment
T 7a/ — Connector 7 pin in junction box — engine compartment

- ⑫ — Earth point, in engine compartment, left

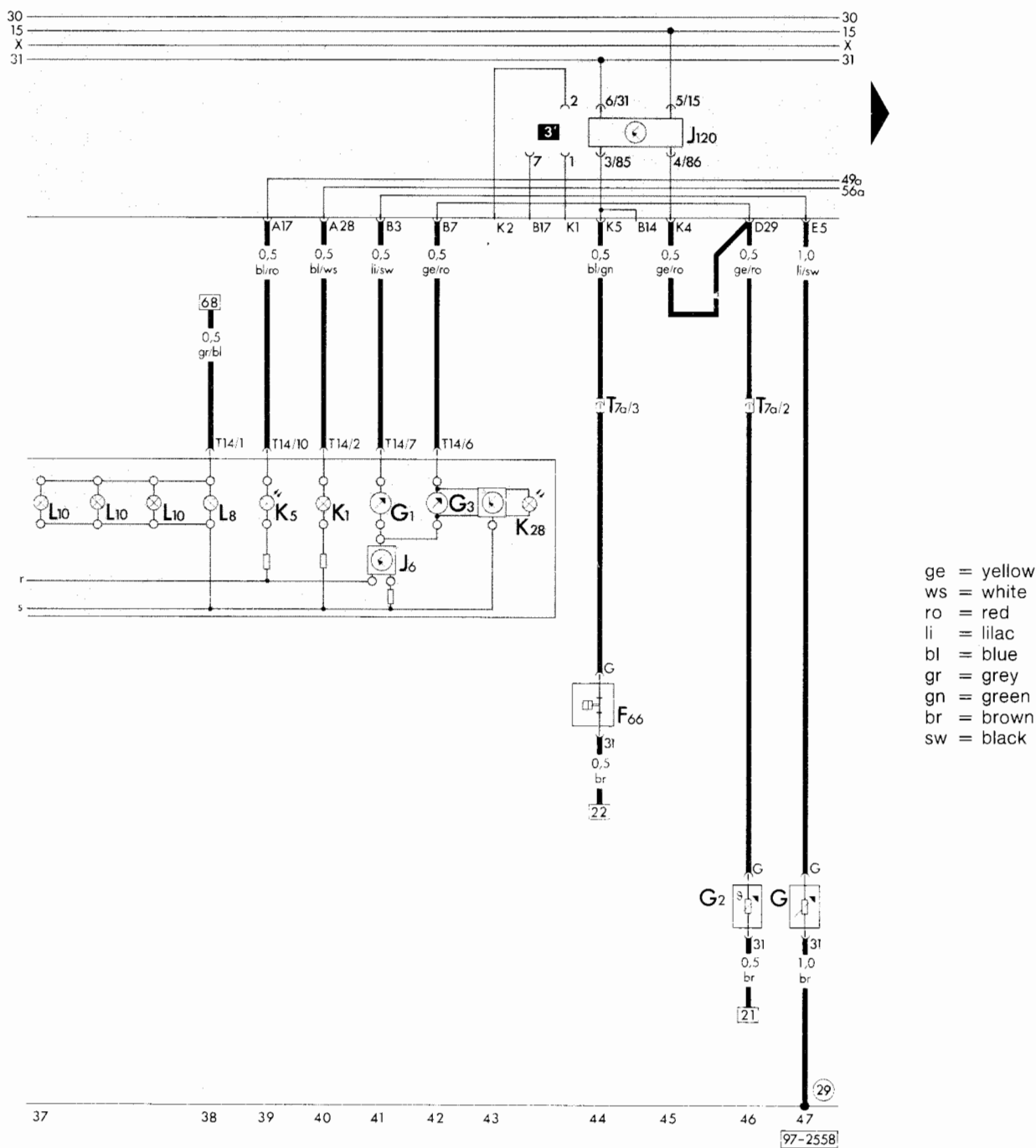
97-2861

Dash panel insert, optical and acoustic oil pressure warning



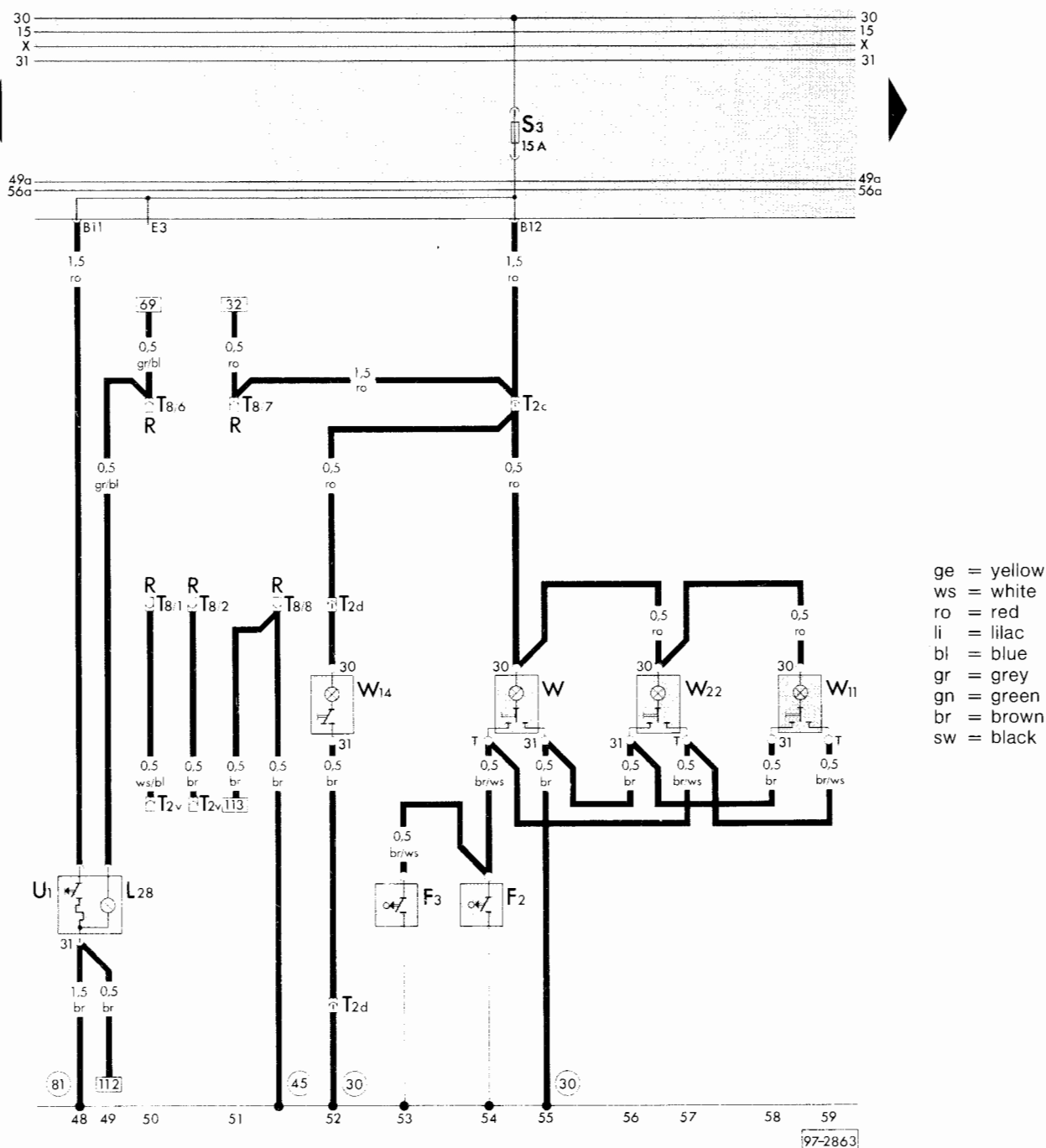
- F 1 – Oil pressure switch (0.9 bar)
- F 22 – Oil pressure switch (0.3 bar)
- G 5 – Rev. counter
- J 114 – Oil pressure warning control unit
- K 2 – Generator warning lamp
- K 3 – Oil pressure warning lamp
- T 2x – Connector 2 pin, in engine compartment, centre
- T 7a/ – Connector 7 pin, in junction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



- F 66 — Coolant shortage indicator switch
- G — Fuel gauge sender
- G 1 — Fuel gauge
- G 2 — Coolant temperature gauge sender
- G 3 — Coolant temperature gauge
- 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
- (29) — Earth point, near fuel gauge sender

Cigarette lighter, radio, interior light

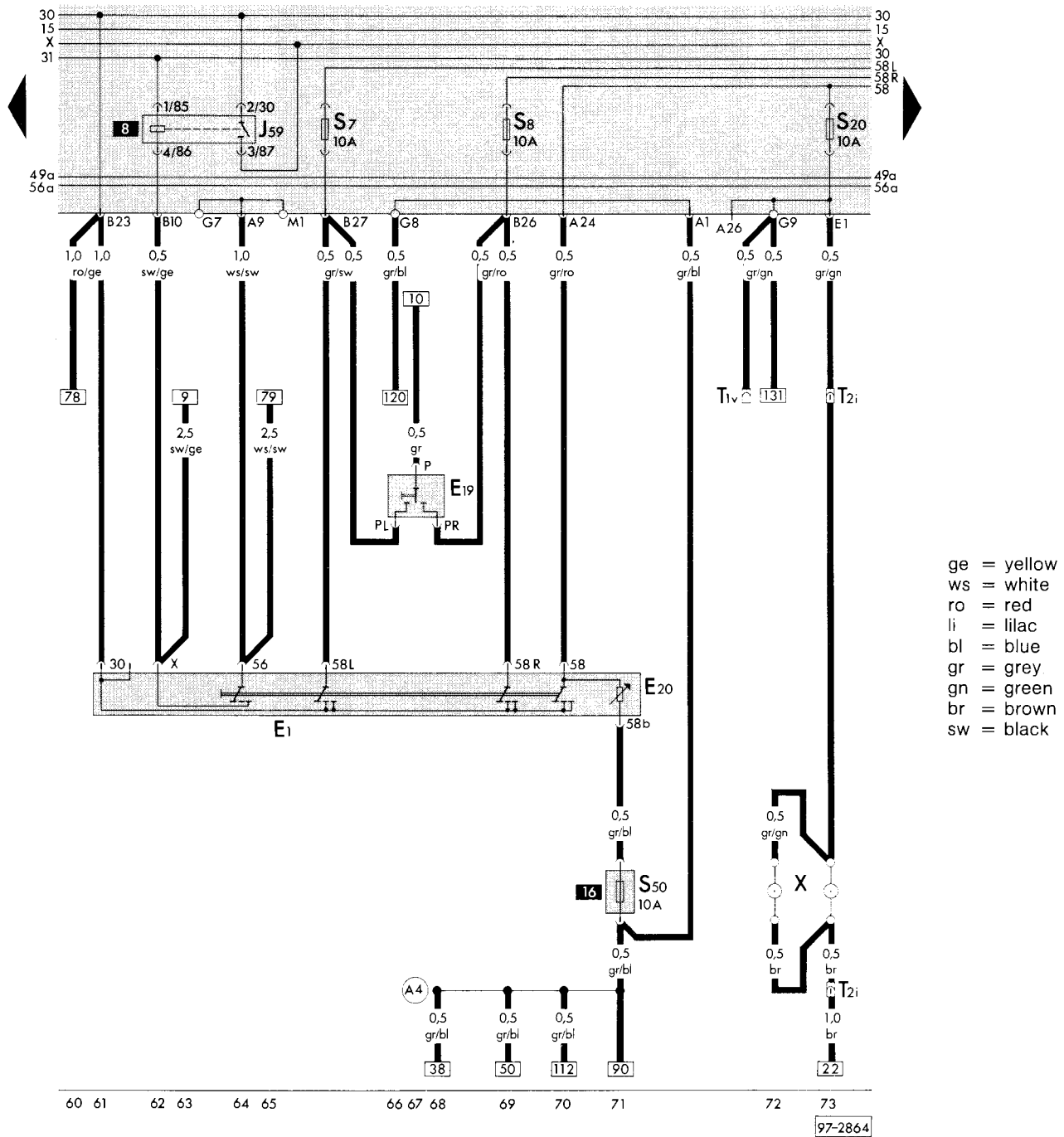


- F 2 — Front left door contact switch
- F 3 — Front right door contact switch
- L 28 — Cigarette lighter light bulb
- R — Connection for radio
- T 2c — Connector 2 pin, behind dash panel, left
- T 2d — Connector 2 pin, on A-pillar, upper right
- T 2v — Connector 2 pin, behind dash panel, centre
- T 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

(81) — Earth connection, in dash panel wiring loom

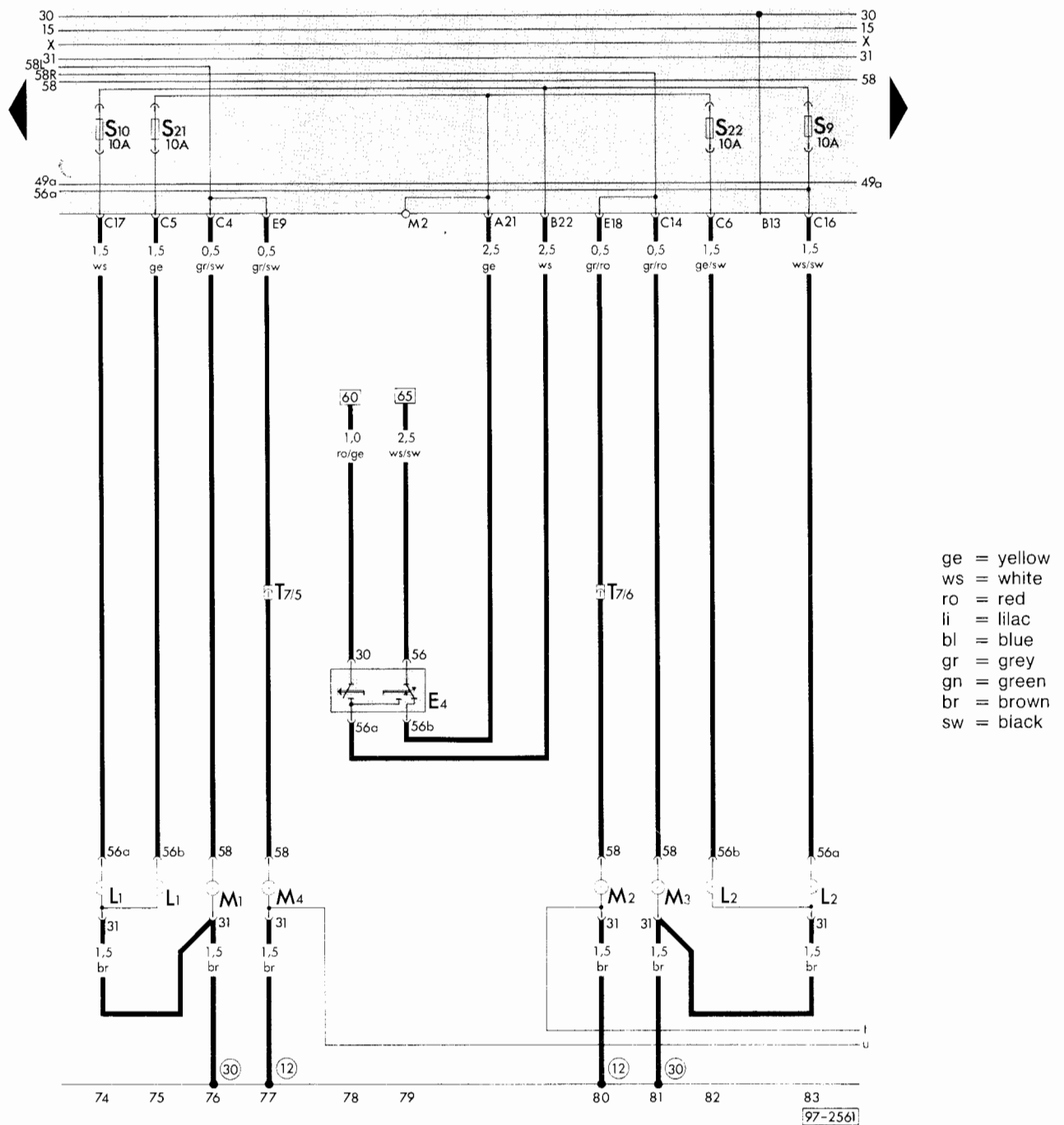
- (30) — Earth point, next to relay plate
- (45) — Earth point, behind dash panel, centre

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
- S 50 — Fuse, terminal 58b
- T 1v — Connector single, behind relay plate
- 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

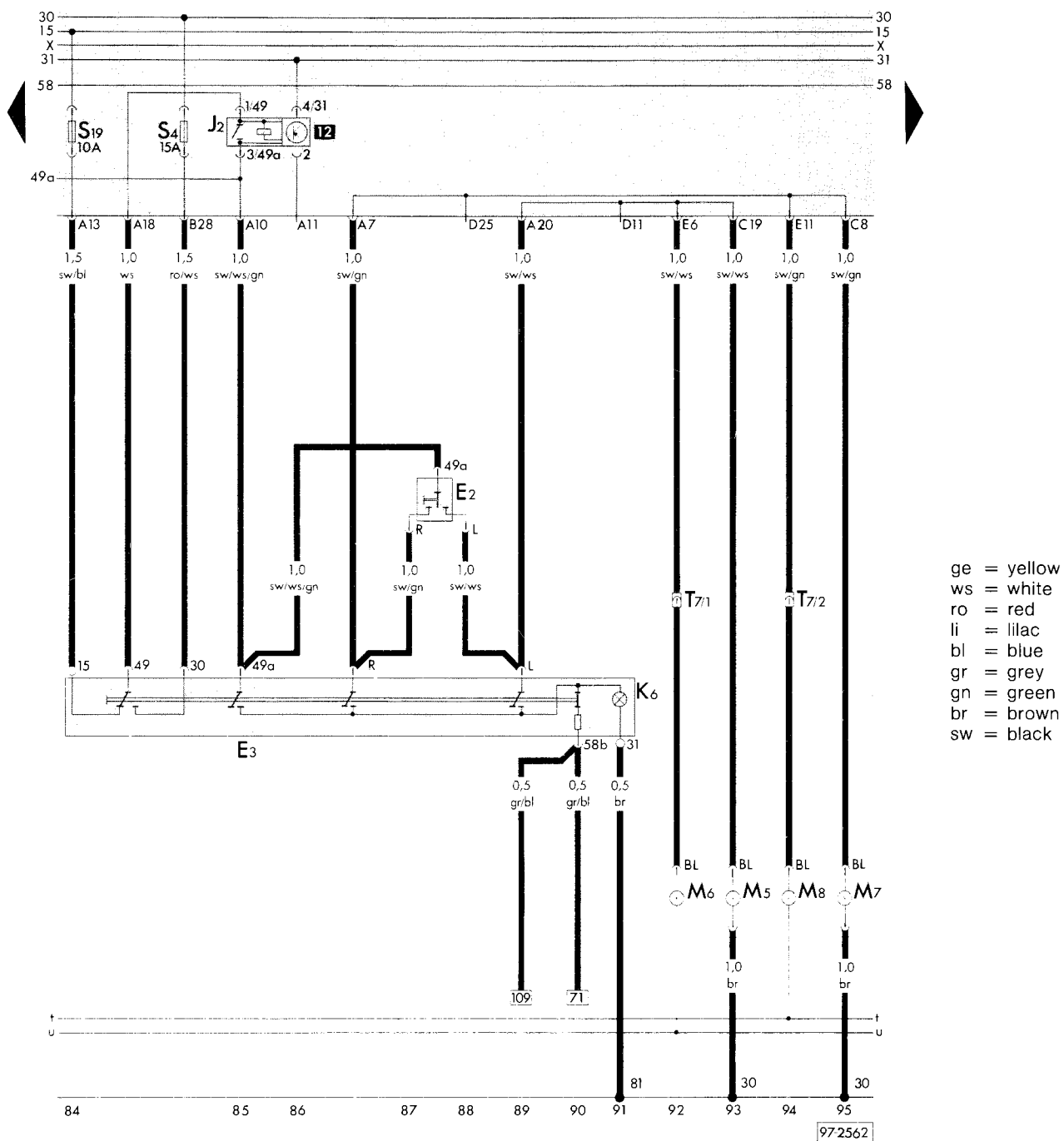


- E 4 – Headlight dipper/flasher switch
- L 1 – Twin filament bulb, left headlight
- L 2 – Twin filament bulb, right headlight
- M 1 – Side light bulb, left
- M 2 – Tail light bulb, right
- M 3 – Side light bulb, right
- M 4 – Tail light bulb, left
- T 7/ – Connector 7 pin in junction box – engine compartment

Ⓐ – Earth point, in engine compartment

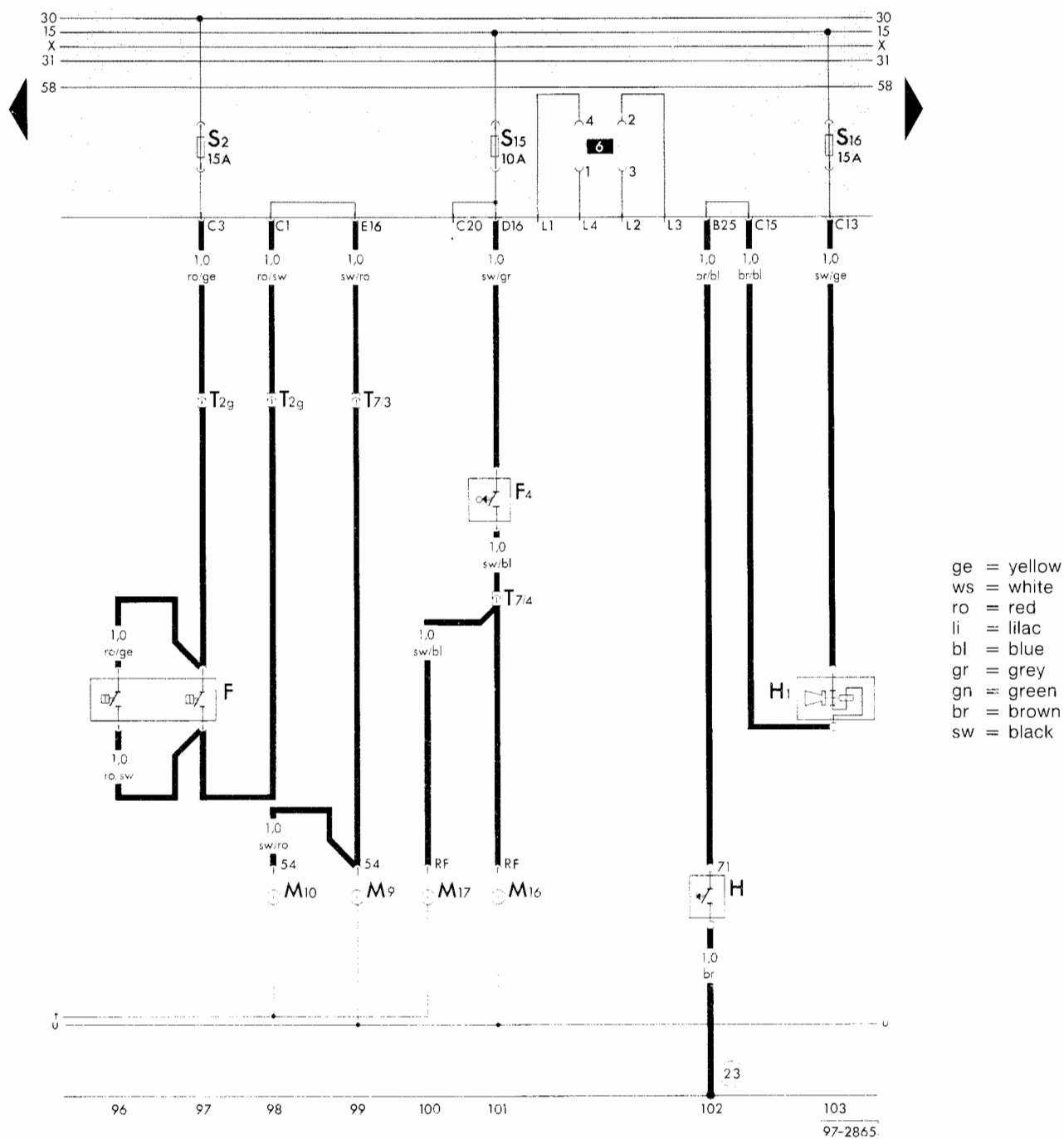
Ⓑ – Earth point, next to relay plate

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 7/ — Connector 7 pin, in junction box — engine compartment
- (30) — Earth point, next to relay plate
- (81) — Earth connection, in dash panel wiring loom

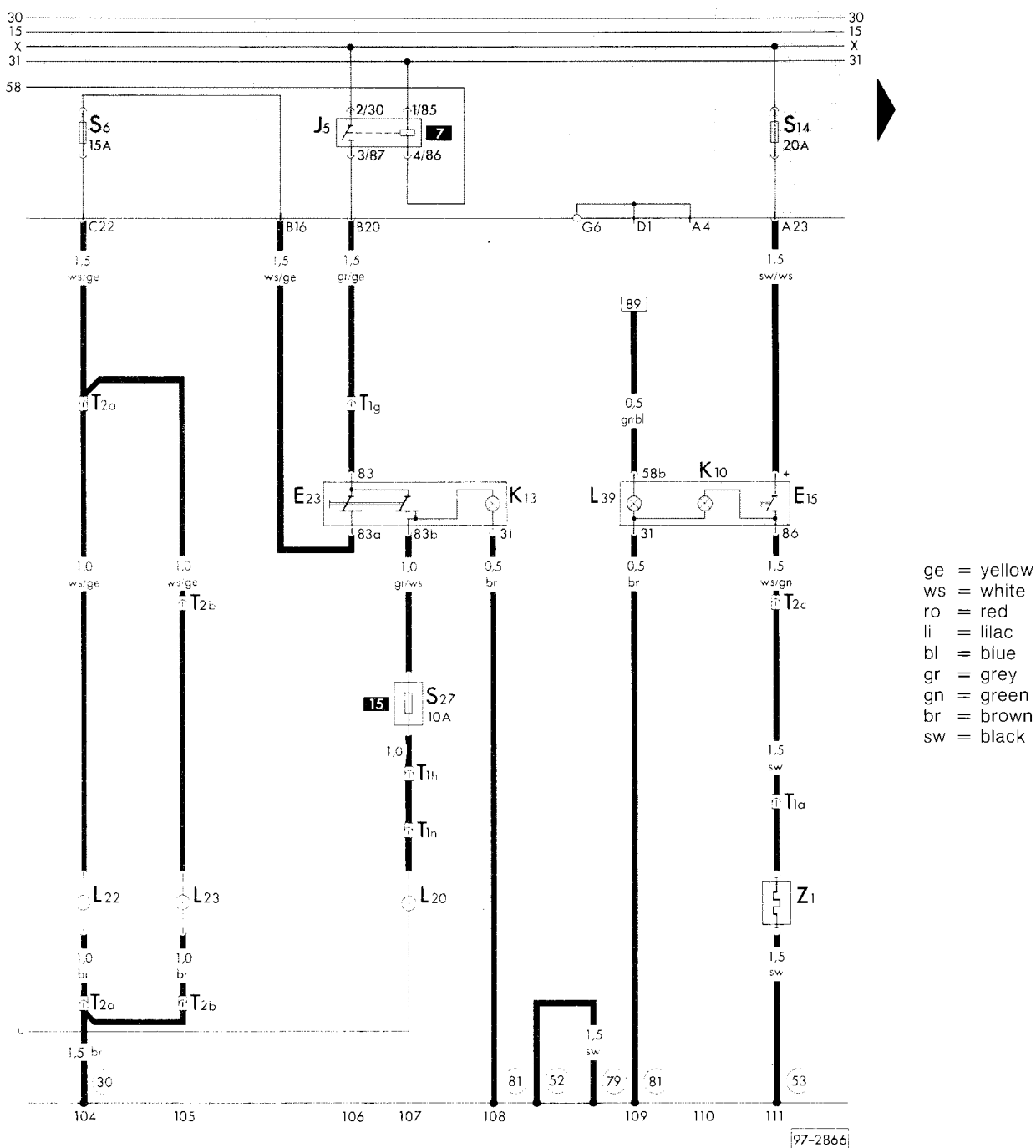
Brake lights, reversing lights, horn



- 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 7/ — Connector 7 pin, in junction box — engine compartment

- (23) — Earth wire, above steering gear

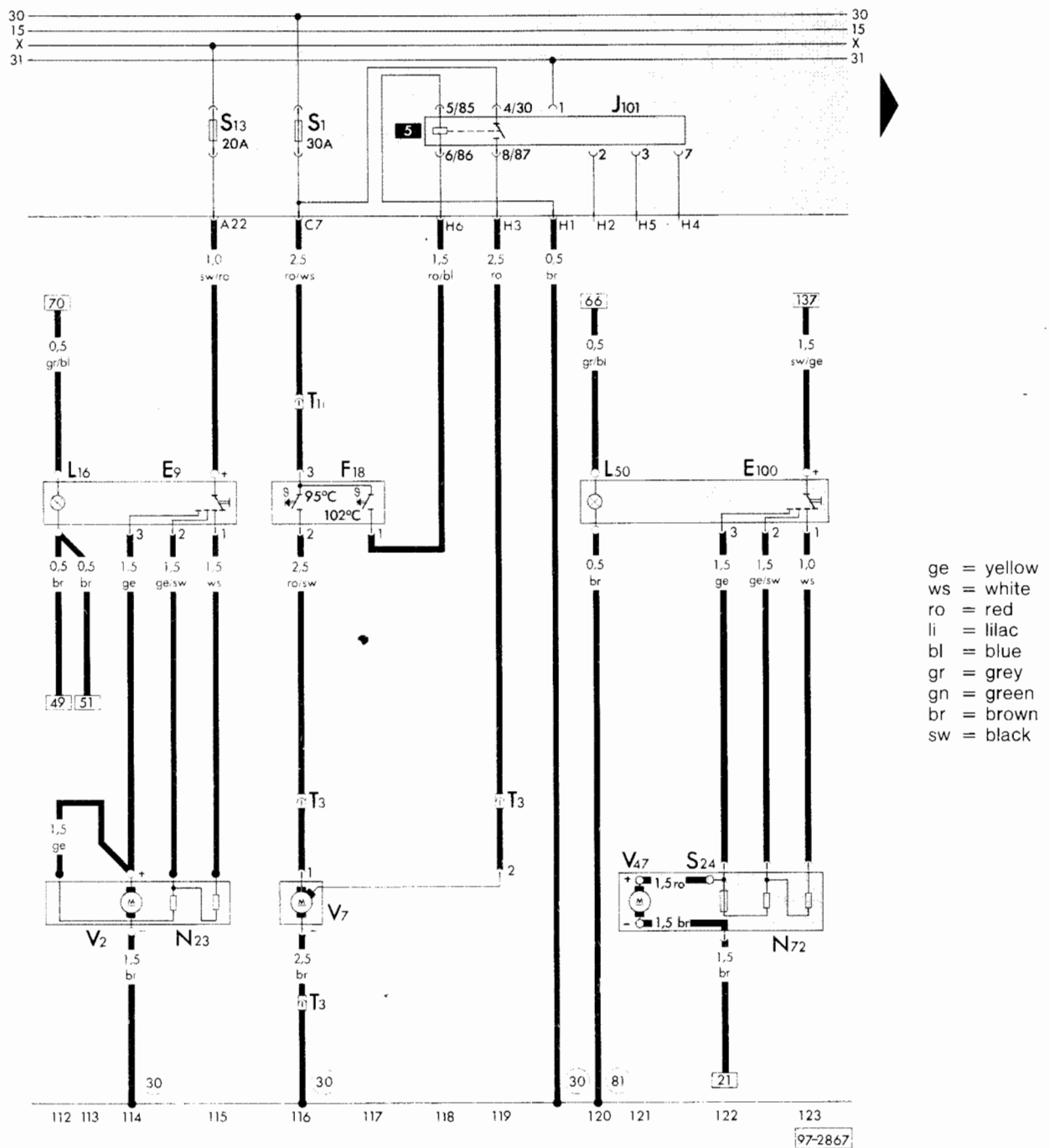
Foglights, rear foglight, heated rear window



- 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 1g — Connector single, behind dash panel, left
With M 571 – Rear fog light – T 1g on contact M 1
is pushed onto the reverse side of relay plate
T 1h — Connector single, behind dash panel, left
T 1n — Connector single, in engine compartment junction
box

- T 2a — Connector 2 pin, behind upper air outlet trim, left
T 2b — Connector 2 pin, behind upper air outlet trim, right
T 2c — Connector 2 pin, behind dash panel, 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
(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

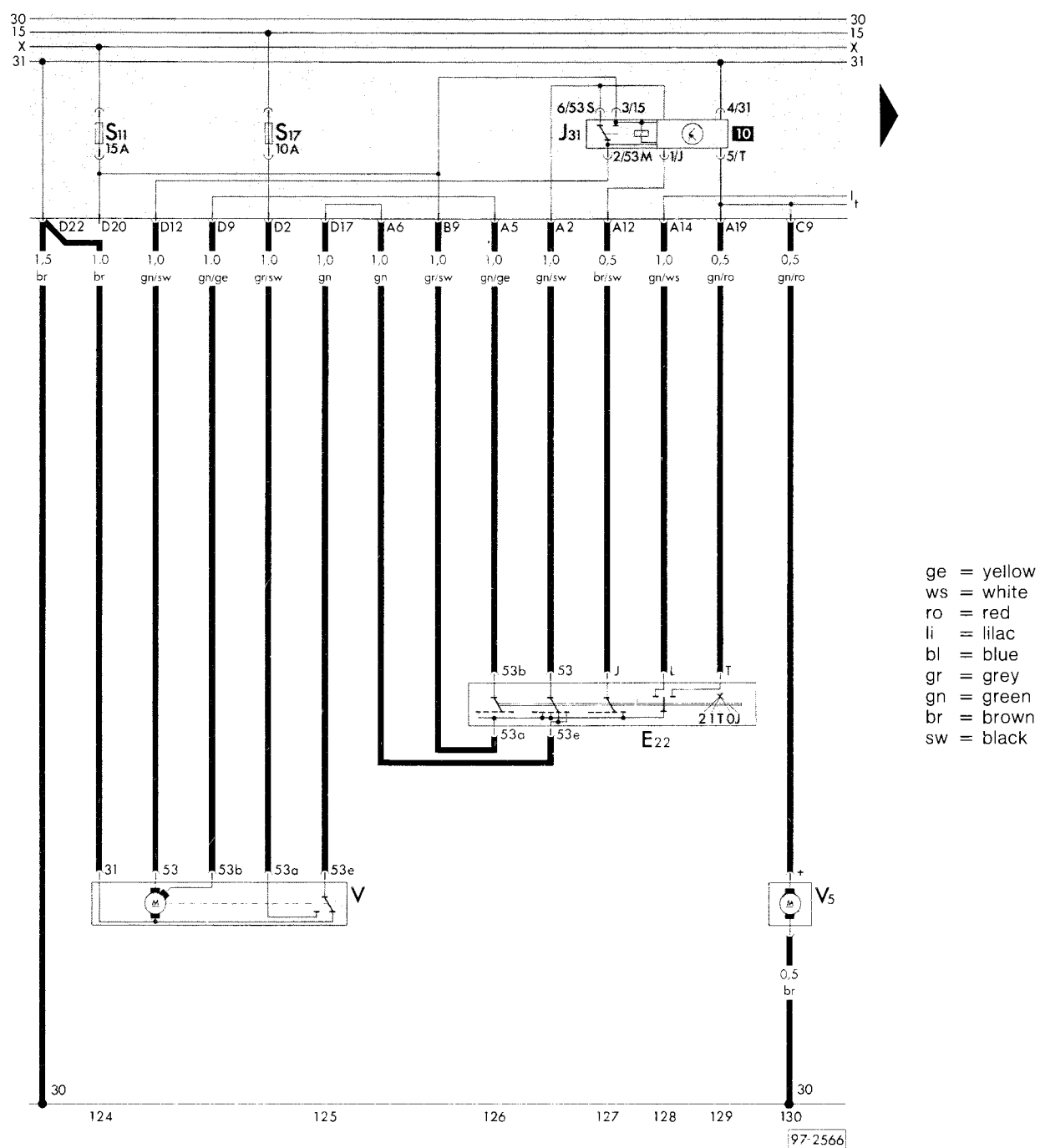


- E 9 — Fresh air blower switch
- E 100 — Switch for warm air blower
- F 18 — Radiator fan thermo switch
- J 101 — Radiator fan 2nd stage relay
- L 16 — Fresh air controls light bulb
- L 50 — Bulb for warm air blower switch light
- N 23 — Series resistance for fresh air blower
- N 72 — Series resistance for warm air blower
- S 24 — Overheating fuse
- T 1i — Connector single behind dash panel, left
- T 3 — 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

Ⓢ — Earth point, next to relay plate

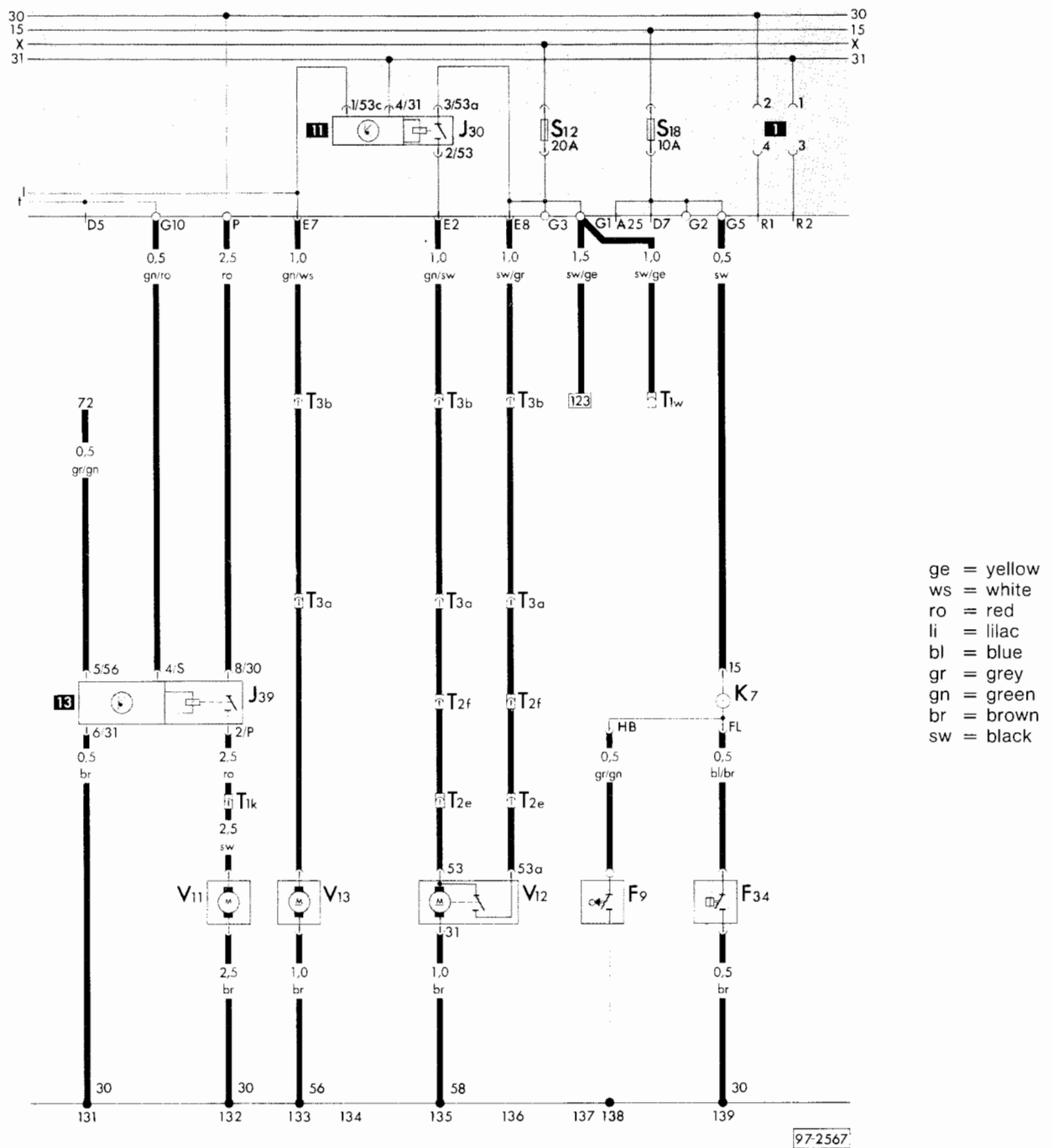
Ⓢ — Earth connection in dash panel wiring loom

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
- ⓪ — Earth point, next to relay plate

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



- F 9 — Handbrake warning system switch
- F 34 — Brake fluid level warning contact
- J 30 — Rear window wiper/washer relay
- J 39 — Headlight washer system relay
- K 7 — Dual circuit brake and handbrake warning lamp
- T 1k — Connector, single, behind dash panel, left
- 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 — Connector 3 pin behind dash panel, right
- T 3b — Connector 3 pin behind dash panel, left
- V 11 — Headlight washer system pump
- 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