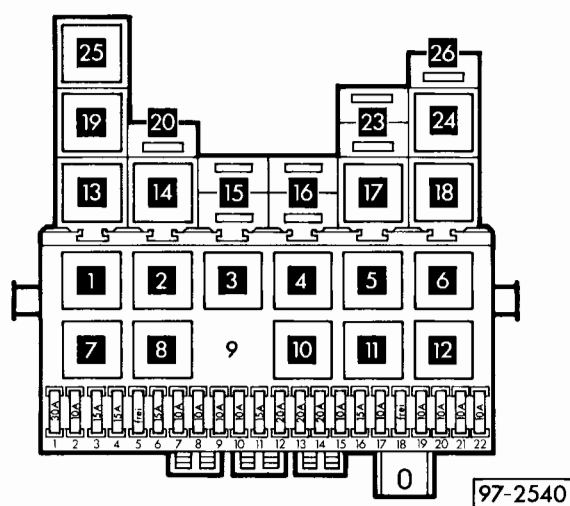
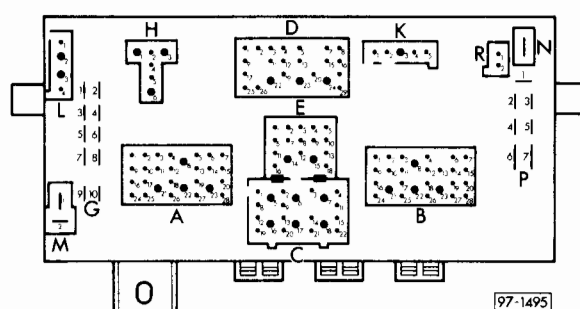


**Transporter (1.7 litre/42 kW N.A. Diesel engine),
Code letters KY;
Transporter (1.6 litre/51 kW turbo Diesel engine),
Code letters JX,
from August 1989**

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)
- 14** — Rear foglight fuse

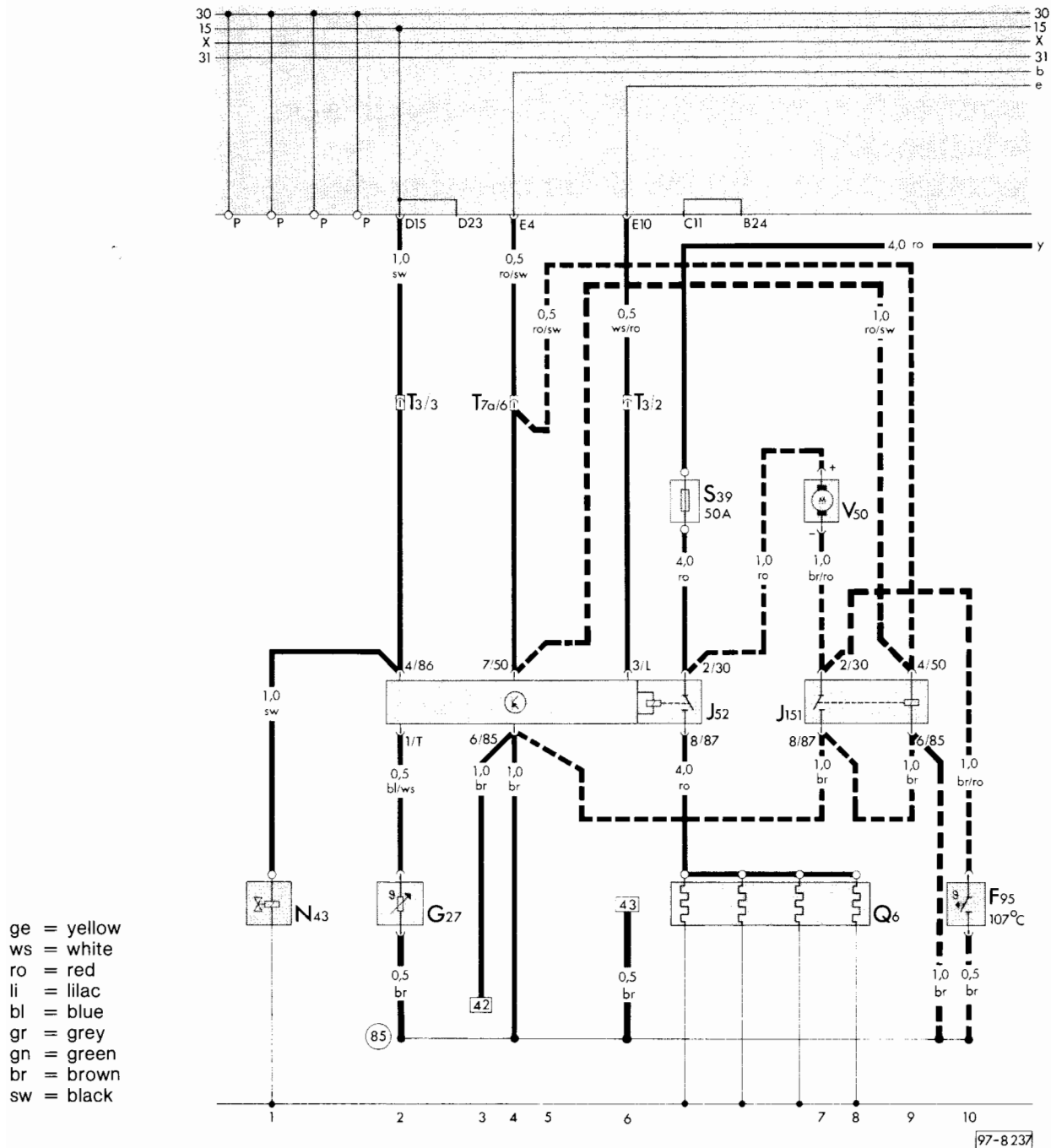
Fuse colours:

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

Glow plug system (V.A.G 1466), coolant circulation pump (turbo charged Diesel)

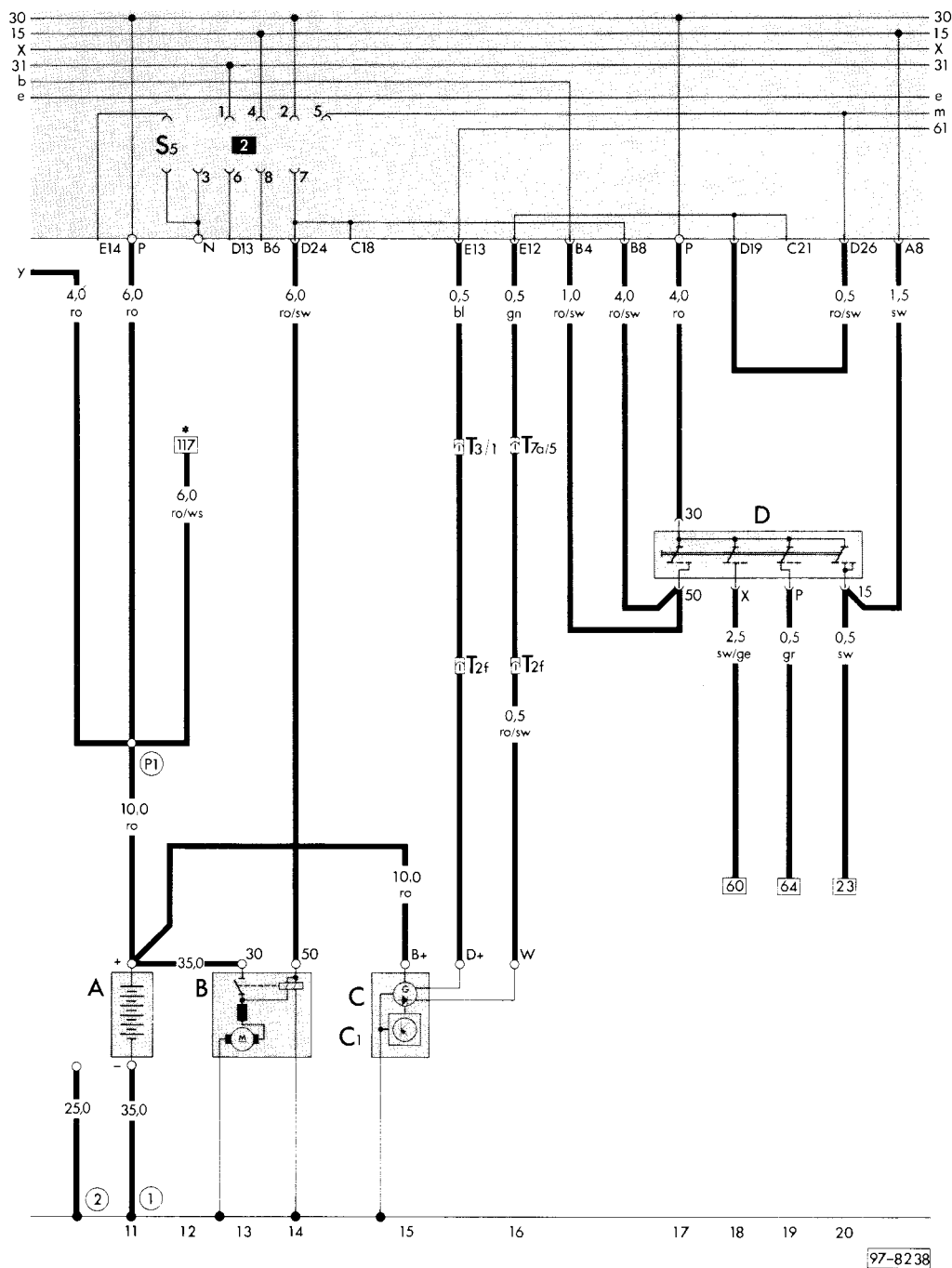


- F 95 – Thermoswitch for coolant circulation run on (Turbo Diesel only)
- G 27 – Sensor for engine temperature (glow plug system)
- J 52 – Glow plug relay in junction box – engine compartment
- J 151 – Relay for coolant circulation in junction box – engine compartment (Turbo Diesel only)
- N 43 – Electro-magnetic cut-off
- Q 6 – Glow plug
- S 39 – Strip fuse for glow plugs in junction box – engine compartment
- T 3 – Connector 3 pin in junction box – engine compartment
- T 7a/ – Connector 7 pin, in junction box – engine compartment
- V 50 – Pump for coolant circulation (Turbo Diesel only)

— — Turbo Diesel only

(85) – Earth connection in engine wiring loom

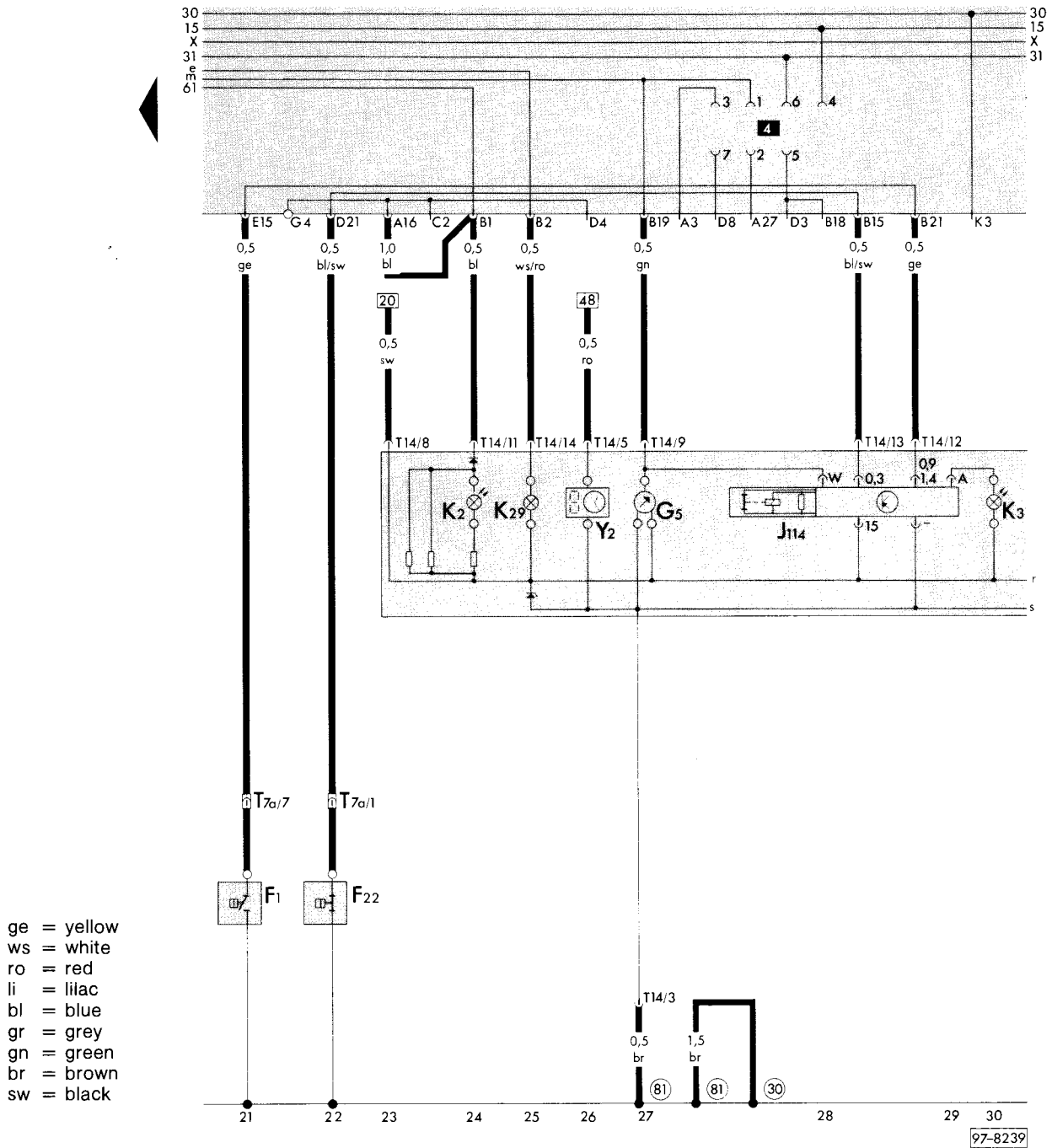
Battery, starter, alternator, ignition/starter switch



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

- A — Battery
- B — Starter
- C — Alternator
- C 1 — Voltage regulator
- D — Ignition/starter switch
- T 2f — Connector 2 pin near alternator
- T 3 — Connector 3 pin in junction box — engine compartment
- T 7a/ — Connector 7 pin in junction box — engine compartment
- (P1) — Positive (+) connection (30) in junction box — engine compartment
- (1) — Earthing strap, battery — body
- (2) — Earthing strap, gearbox — body
- * — only on radiator fan (450 W or 500 W)

Dash panel insert, optical and acoustic oil pressure warning

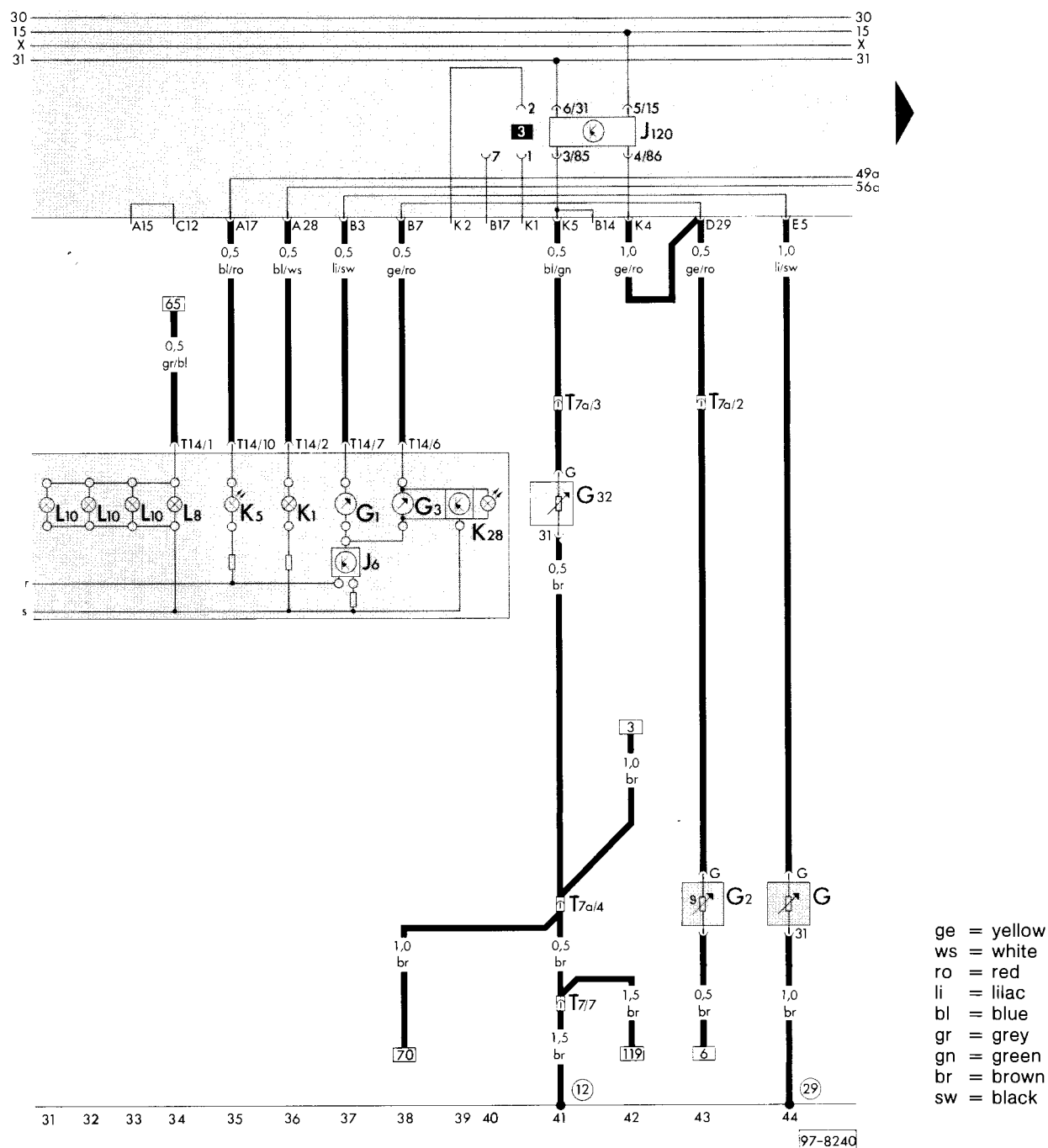


- F 1 – Oil pressure switch (0.9 bar, turbo Diesel/1.4 bar N.A. Diesel)
- F 22 – Oil pressure switch (0.3 bar)
- G 5 – Rev. counter
- J 114 – Oil pressure warning control unit
- K 2 – Generator warning lamp
- K 3 – Oil pressure warning lamp
- K 29 – Glow period warning lamp
- T 7a/ – Connector 7 pin in junction box – engine compartment
- T 14/ – Connector 14 pin on dash panel insert
- Y 2 – Digital clock

③③ — Earth point, next to relay plate

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

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

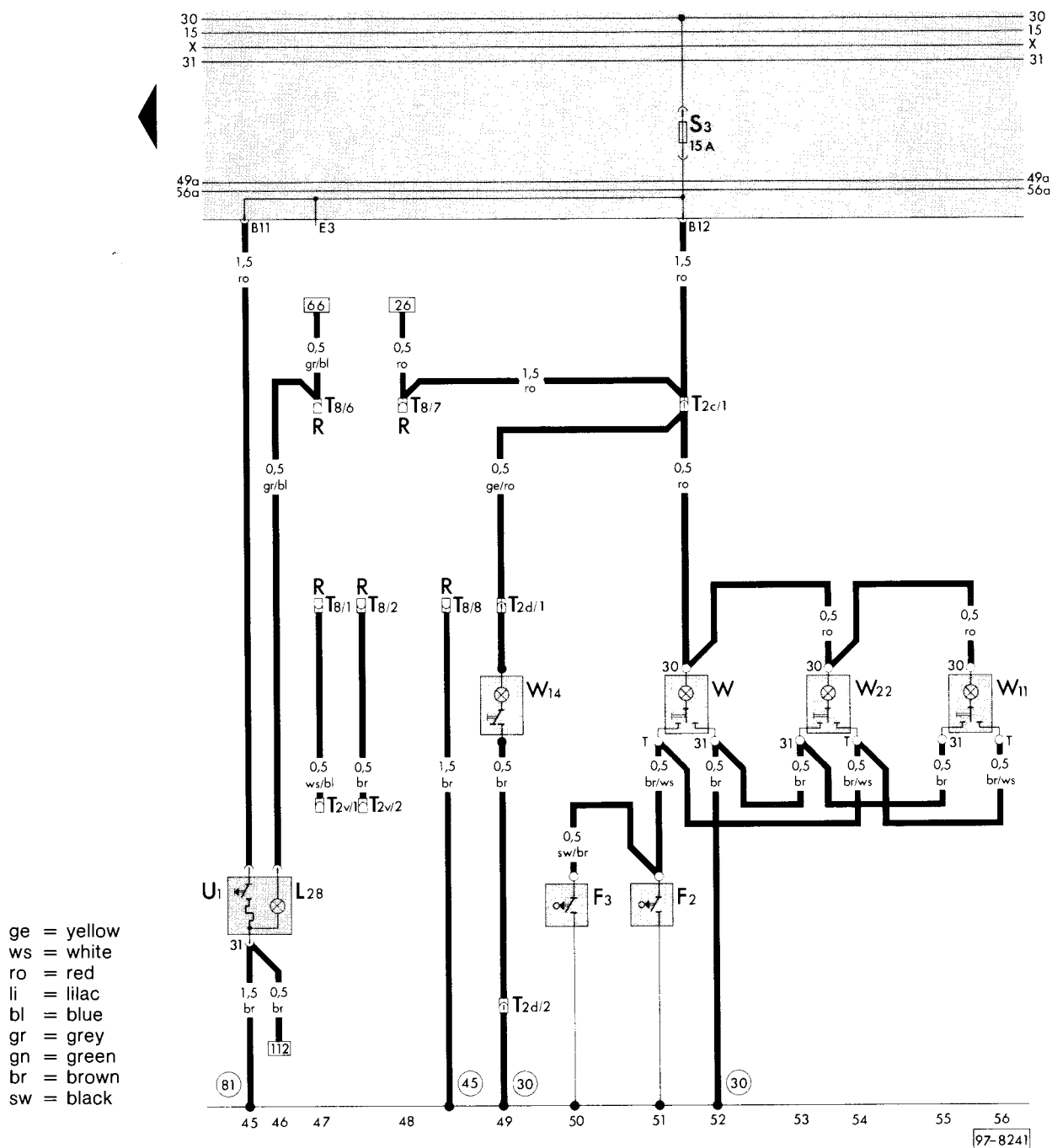


- G — Fuel gauge sender
- G 1 — Fuel gauge
- G 2 — Coolant temperature gauge sender
- G 3 — Coolant temperature gauge
- G 32 — Coolant shortage indicator sender
- J 6 — Voltage stabilizer
- J 120 — Control unit for coolant shortage indicator
- K 1 — Main beam warning lamp
- K 5 — Turn signal warning lamp
- K 28 — Warning lamp for coolant temperature/coolant shortage
- L 8 — Clock light bulb
- L 10 — Dash panel insert light bulb
- T 7/ — Connector 7 pin, in junction box — engine compartment
- 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

(29) — Earth point, near fuel gauge sender

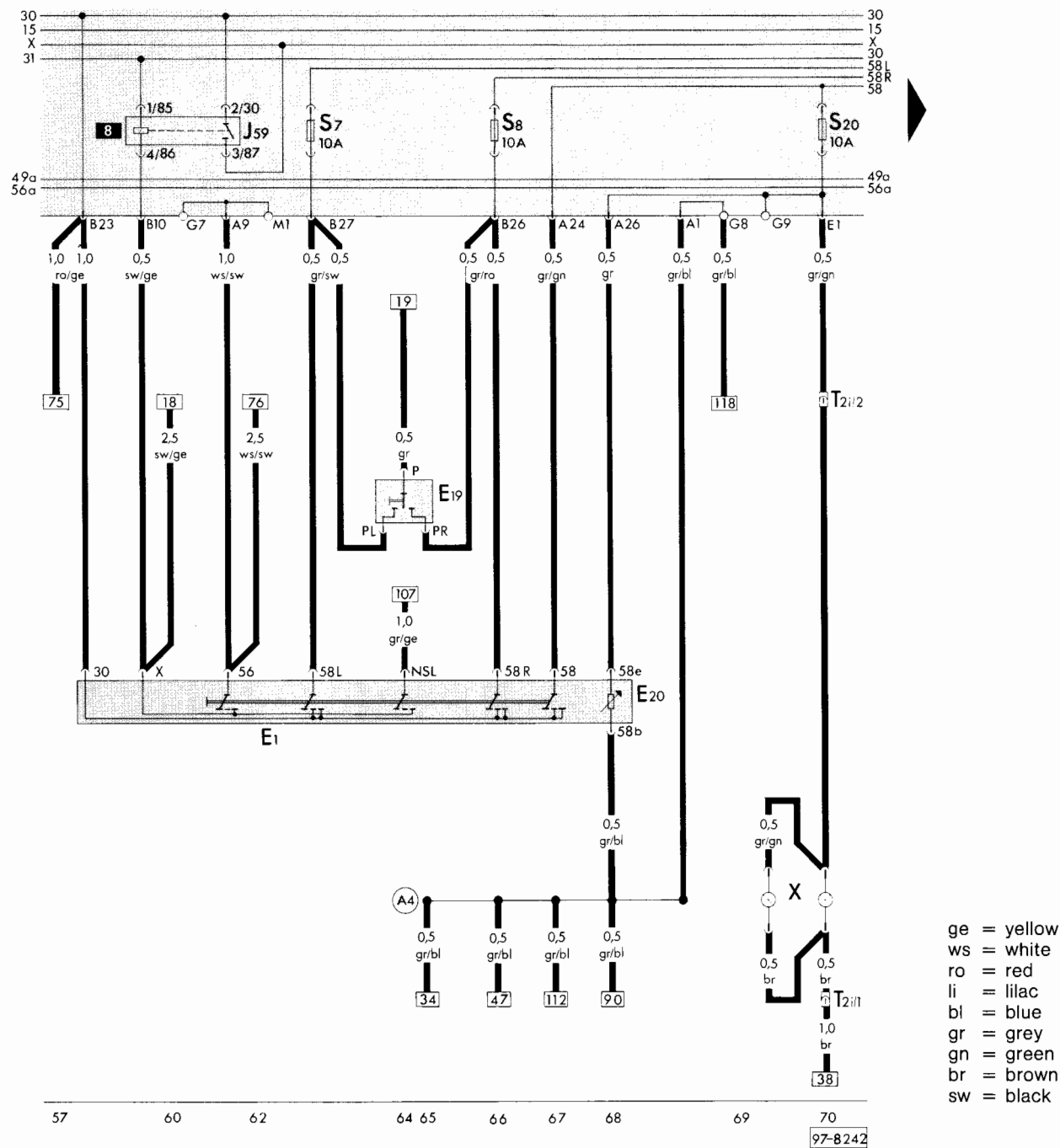
Cigarette lighter, radio, interior light



- 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, on radio
- U 1 — Cigarette lighter
- W — Interior light, front
- W 11 — Reading lamp, rear left
- W 14 — Illuminated Make-up mirror (passenger's side)
- W 22 — Reading lamp, behind driver's seat

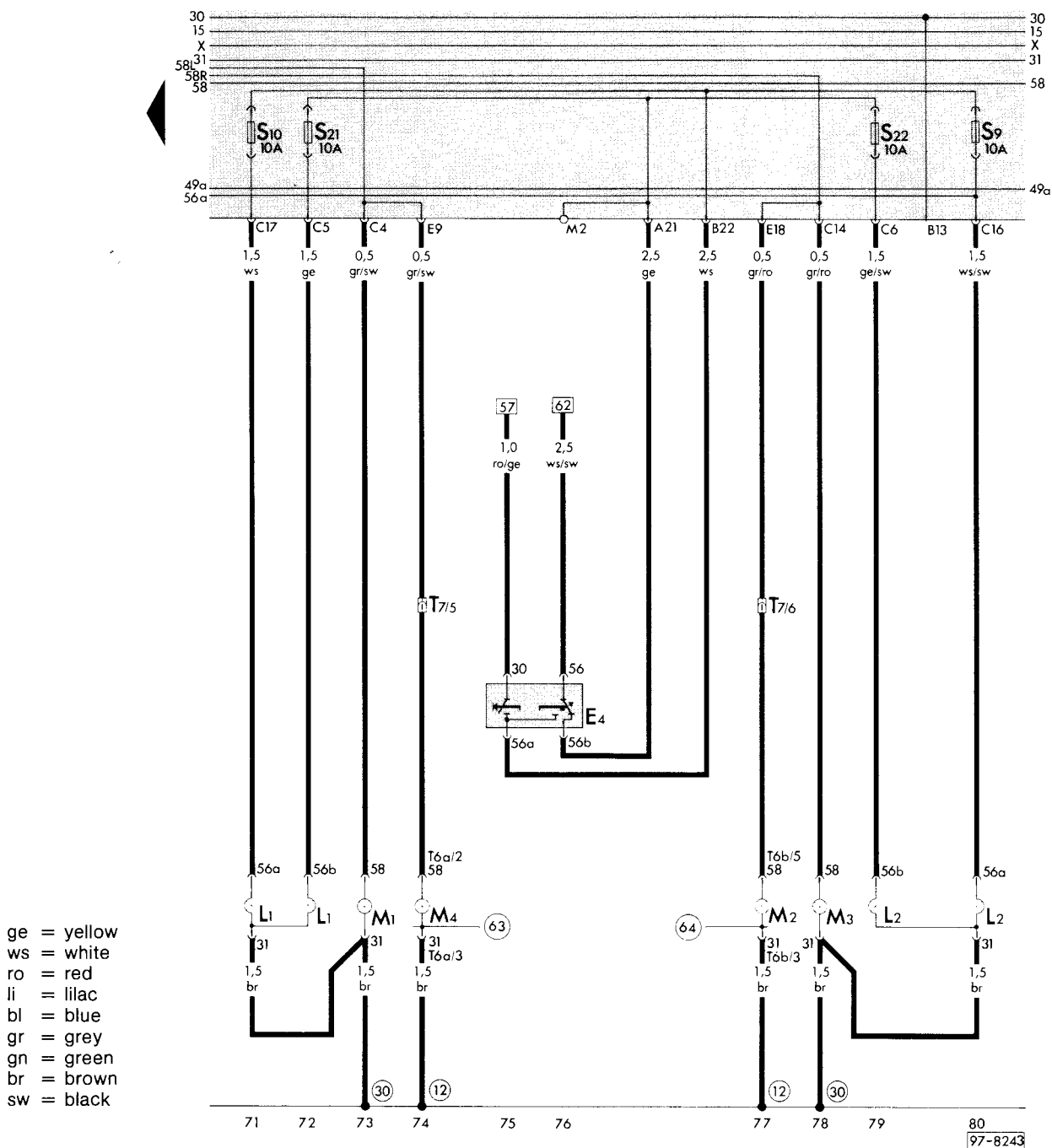
- 30 — Earth point, next to relay plate
- 45 — Earth connection in dash panel, centre
- 81 — Earth connection, in dash panel wiring loom

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

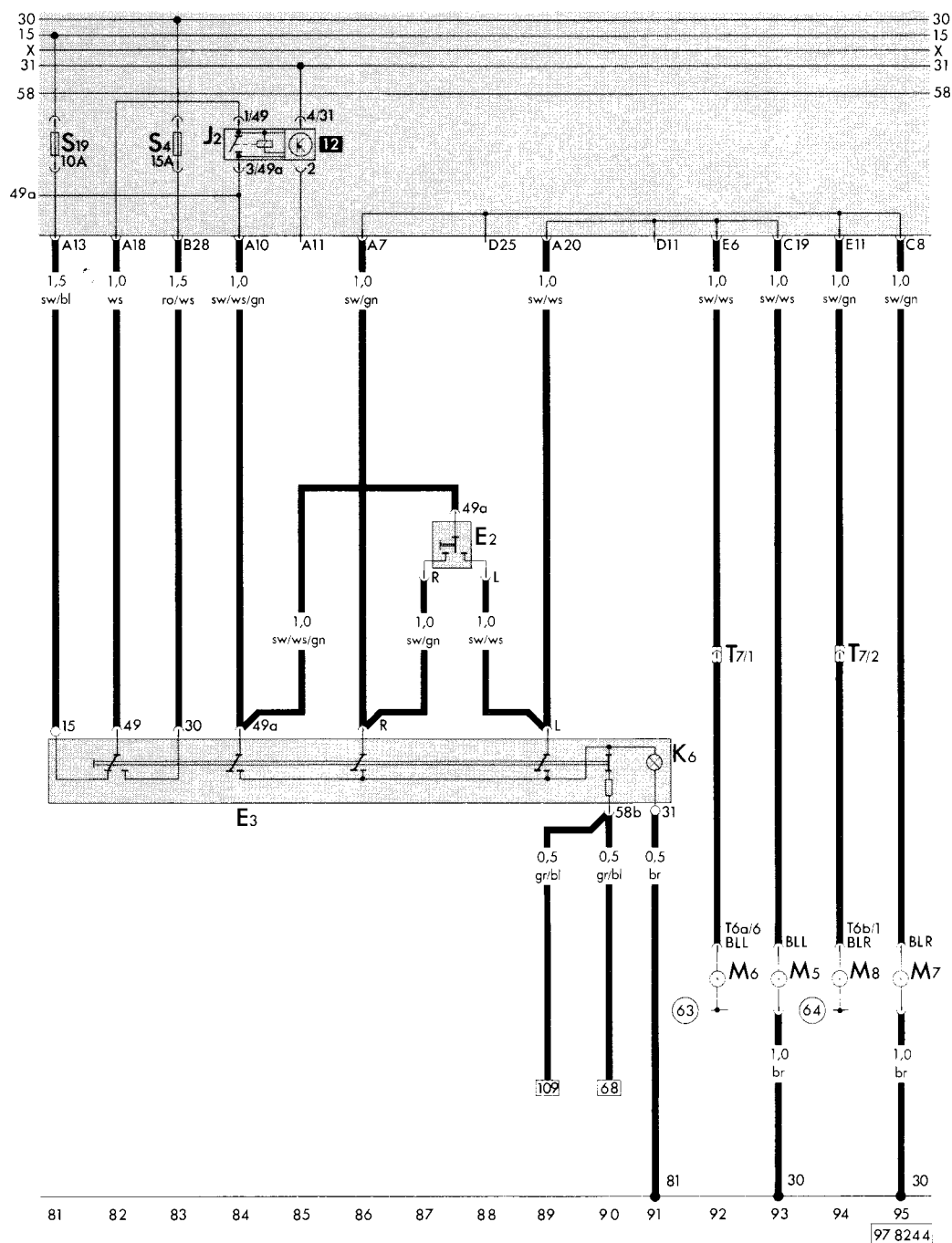
Headlights, tail lights, headlight dipper/flasher switch



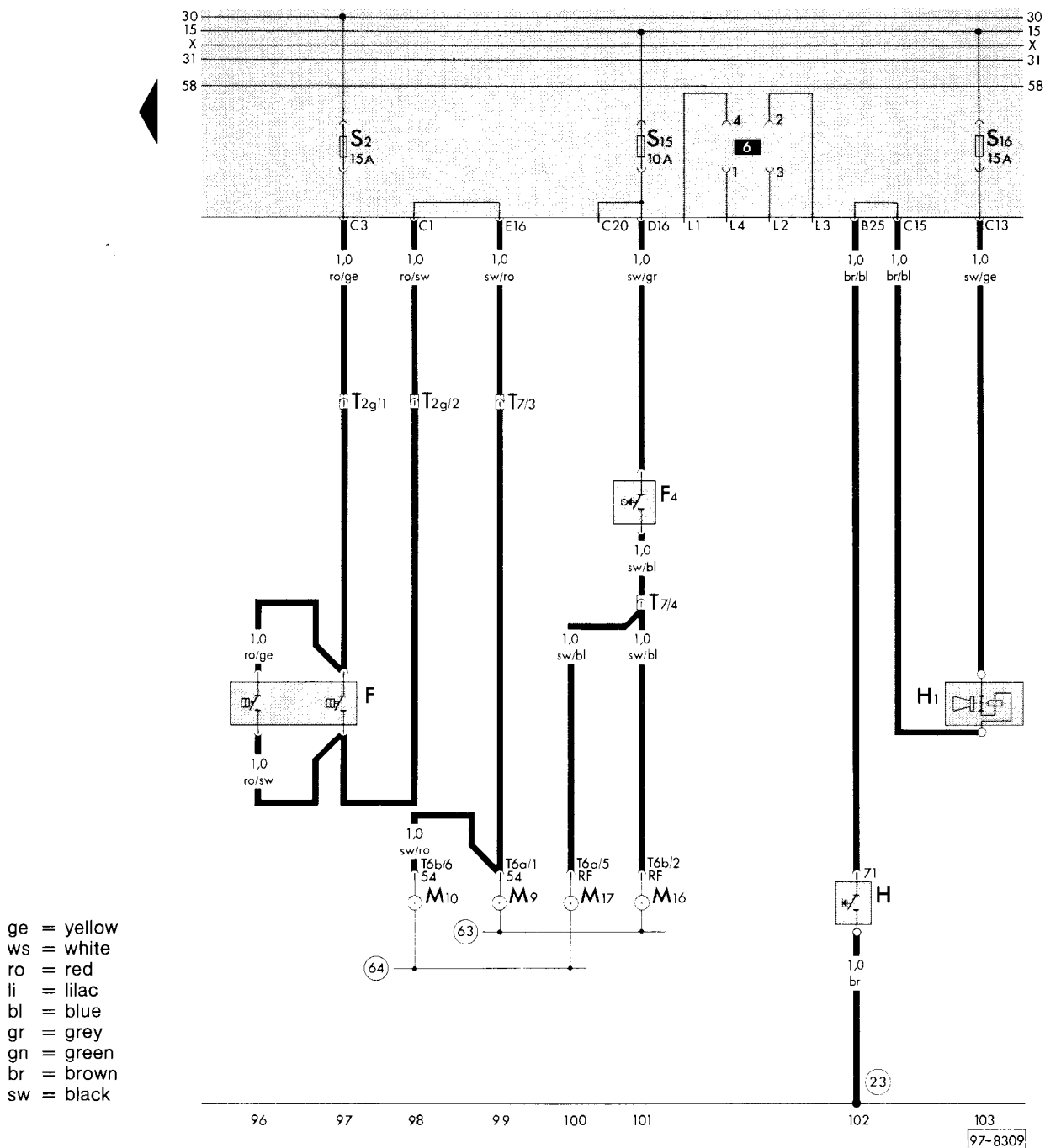
- E 4 – Headlight dipper/flasher switch
- L 1 – Twin filament bulb, left headlight
- L 2 – Twin filament bulb, right headlight
- M 1 – Side light bulb, left
- M 2 – Tail light bulb, right
- M 3 – Side light bulb, right
- M 4 – Tail light bulb, left
- T 7/ – Connector 7 pin, in junction box – engine compartment

- (12) – Earth point, in engine compartment, left
- (30) – Earth point, next to relay plate

Turn signal and emergency flasher systems



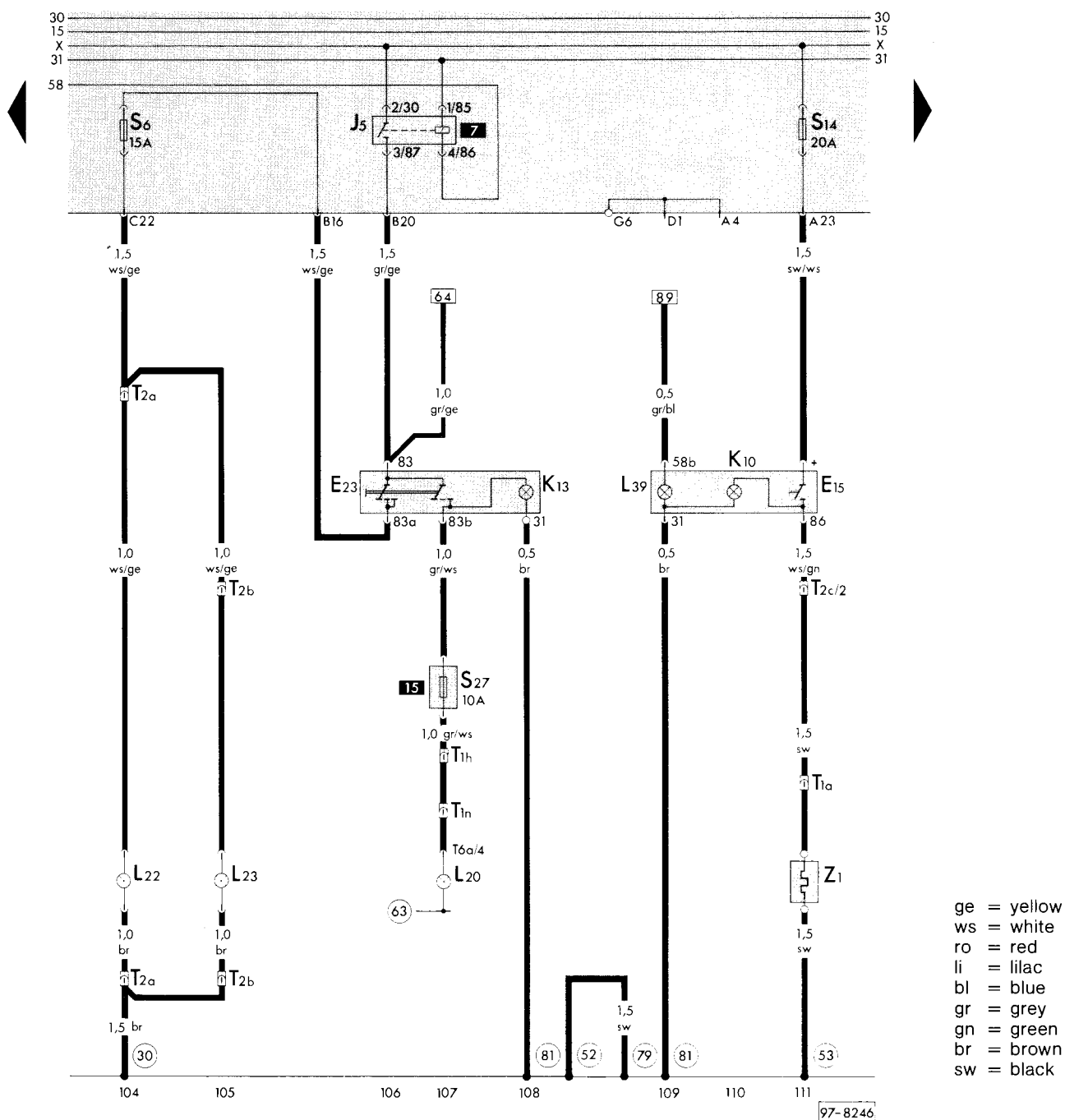
Brake light, reversing light, horn



- 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
- 63 — Earth point, bulb holder, tail light, left
- 64 — Earth point, bulb holder, tail light, right

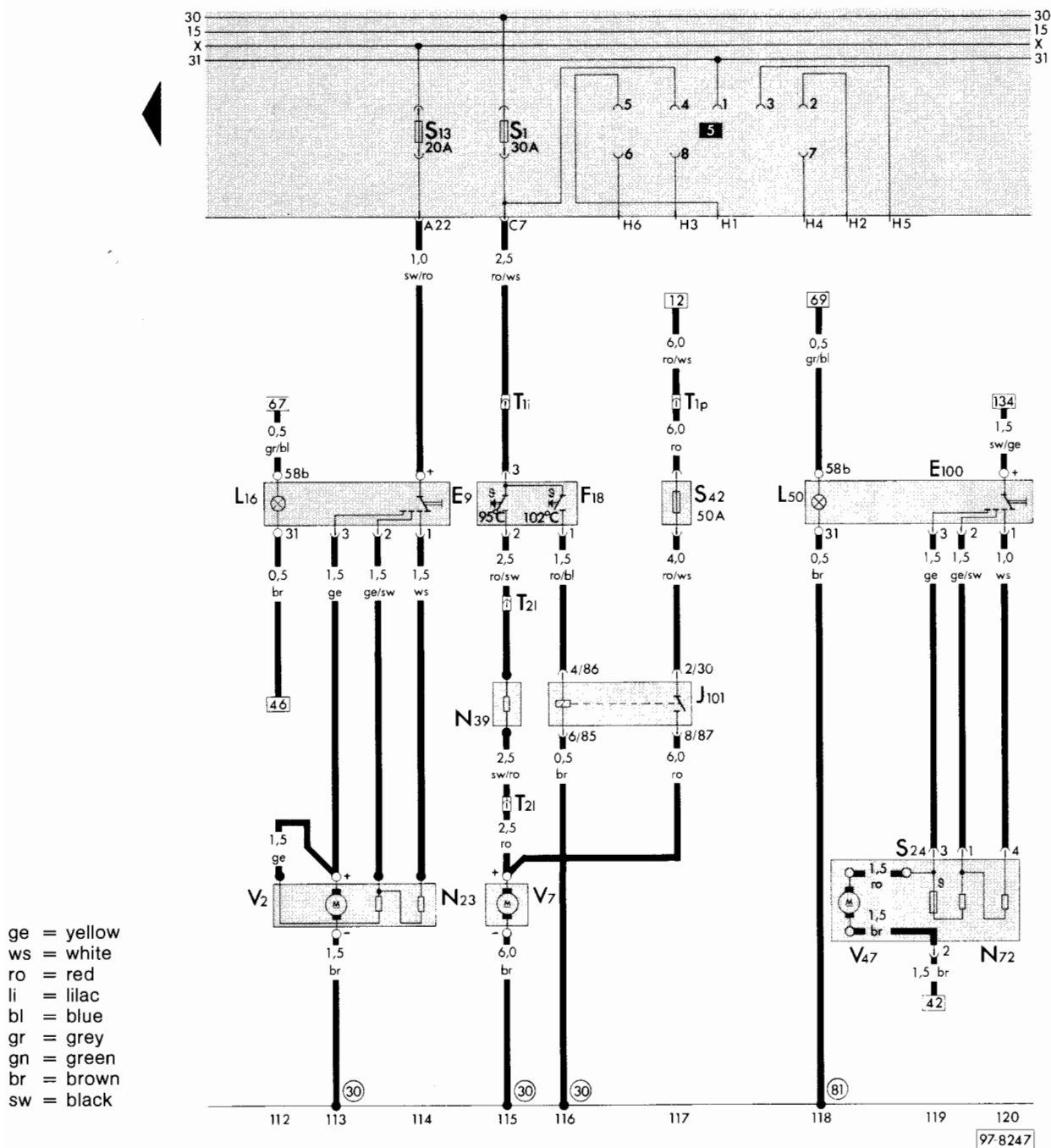
Foglights, rear foglight, heated rear window



- 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, left, rear
- 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
- (63) — Earth point, bulb holder, tail light, right
- (79) — Earth point, rear left roof frame near tailgate wiring loom hole
- (81) — Earth connection, in dash panel wiring loom

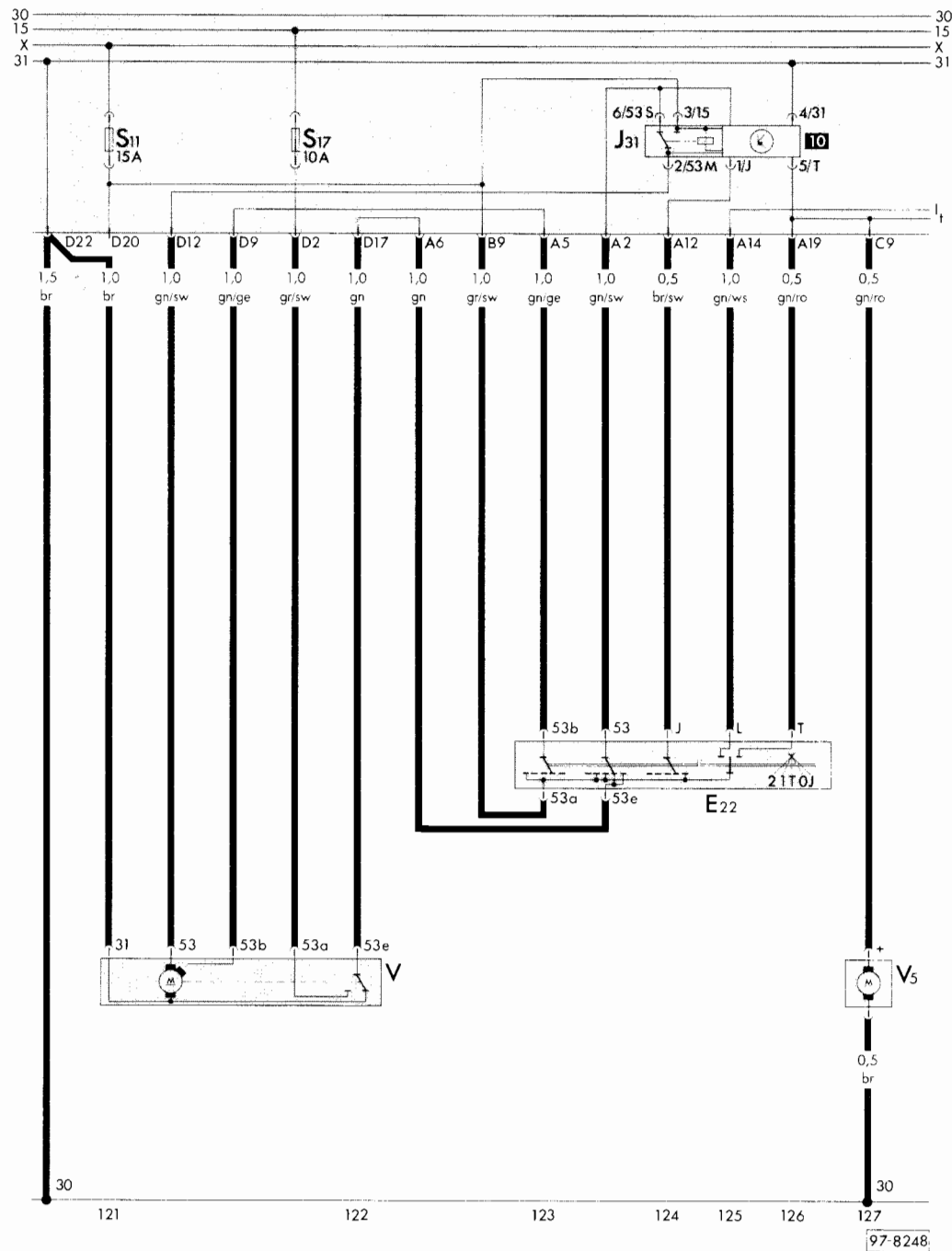
Fresh air blower, radiator fan (450 watt/500 watt), warm air blower



- E 9 — Fresh air blower switch
- E 100 — Switch for warm air blower
- F 18 — Radiator fan thermo switch
- J 101 — Radiator fan (450 watt or 500 watt), 2nd stage relay behind dash panel, left
- 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 39 — Radiator fan series resistance
- N 72 — Series resistance for warm air blower
- S 24 — Overheating fuse
- S 42 — Strip fuse for radiator fan, on J101 behind dash panel, left
- T 1i — Connector single behind dash panel, left
- T 1p — Connector single behind dash panel, left
- T 2i — Connector 2 pin behind dash panel, left
- V 2 — Fresh air blower
- V 7 — Radiator fan (450 watt or 500 watt)
- V 47 — Warm air blower

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

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

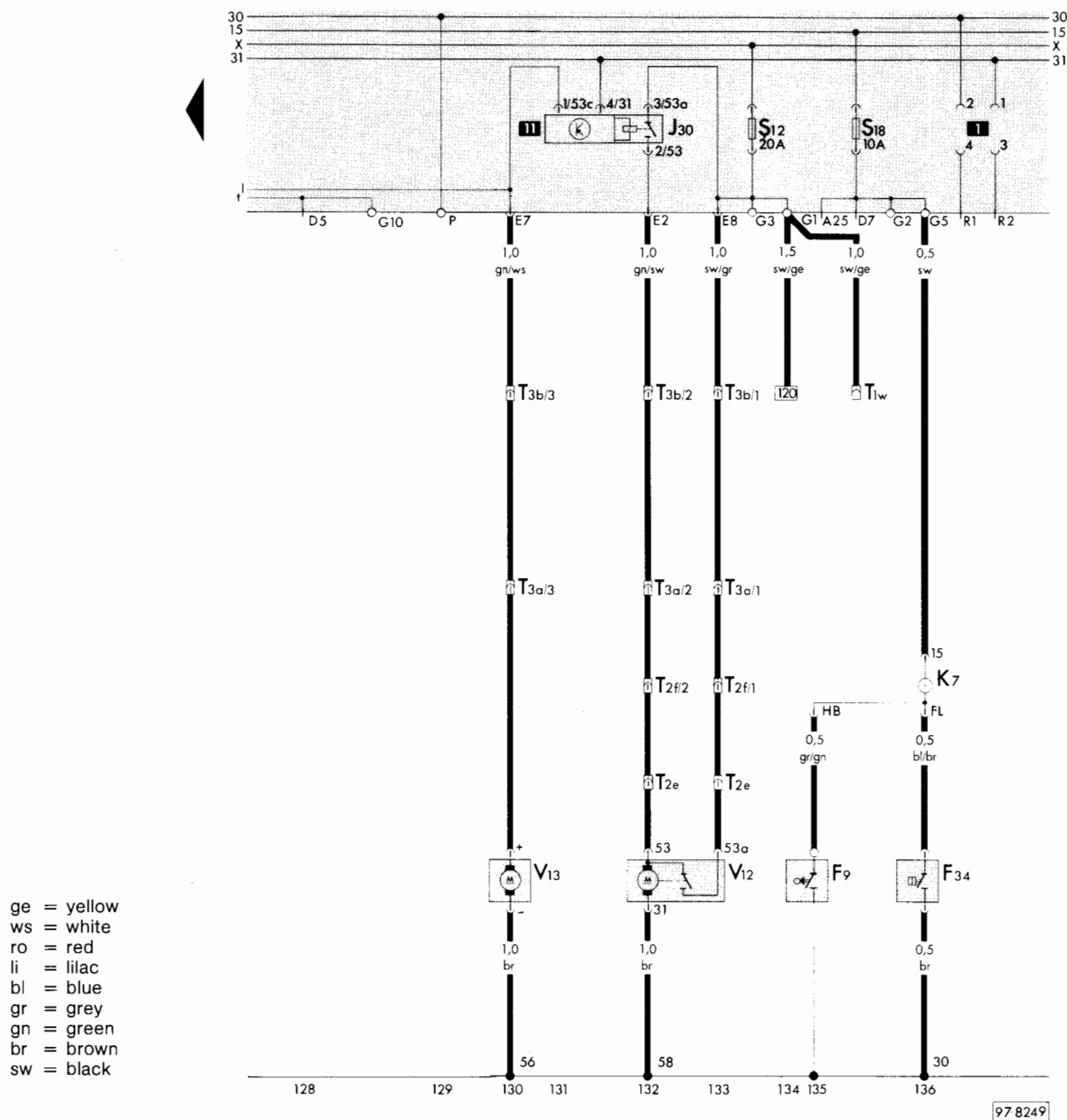


ge = yellow
ws = white
ro = red
li = lilac
bl = blue
gr = grey
gn = green
br = brown
sw = black

- 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



- F 9 — Handbrake warning system switch
- F 34 — Brake fluid level warning contact
- J 39 — Headlight washer system 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 — Connector 3 pin behind dash panel, right
- T 3b — Connector 3 pin behind dash panel, left
- V 12 — Rear wiper motor
- V 13 — Rear window washer pump

- ③① — Earth point, next to relay plate
- ⑤⑥ — Earth point, next to water reservoir
- ⑤⑧ — Earth point, near rear window wiper motor