

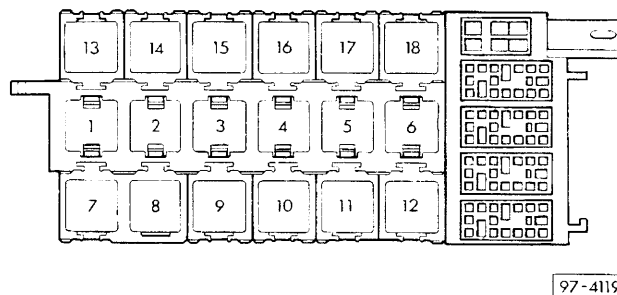
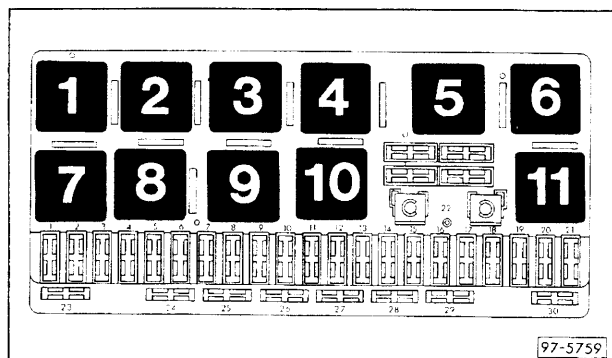
Audi 90 (2.0 litre fuel injection engine, 118 kW, multi-point injection, 5-cylinder) Engine code letters NM

from June 1990

Positions of relays:
also see "Fitting Locations"

Relay plate with fuse holder

Auxiliary relay carrier

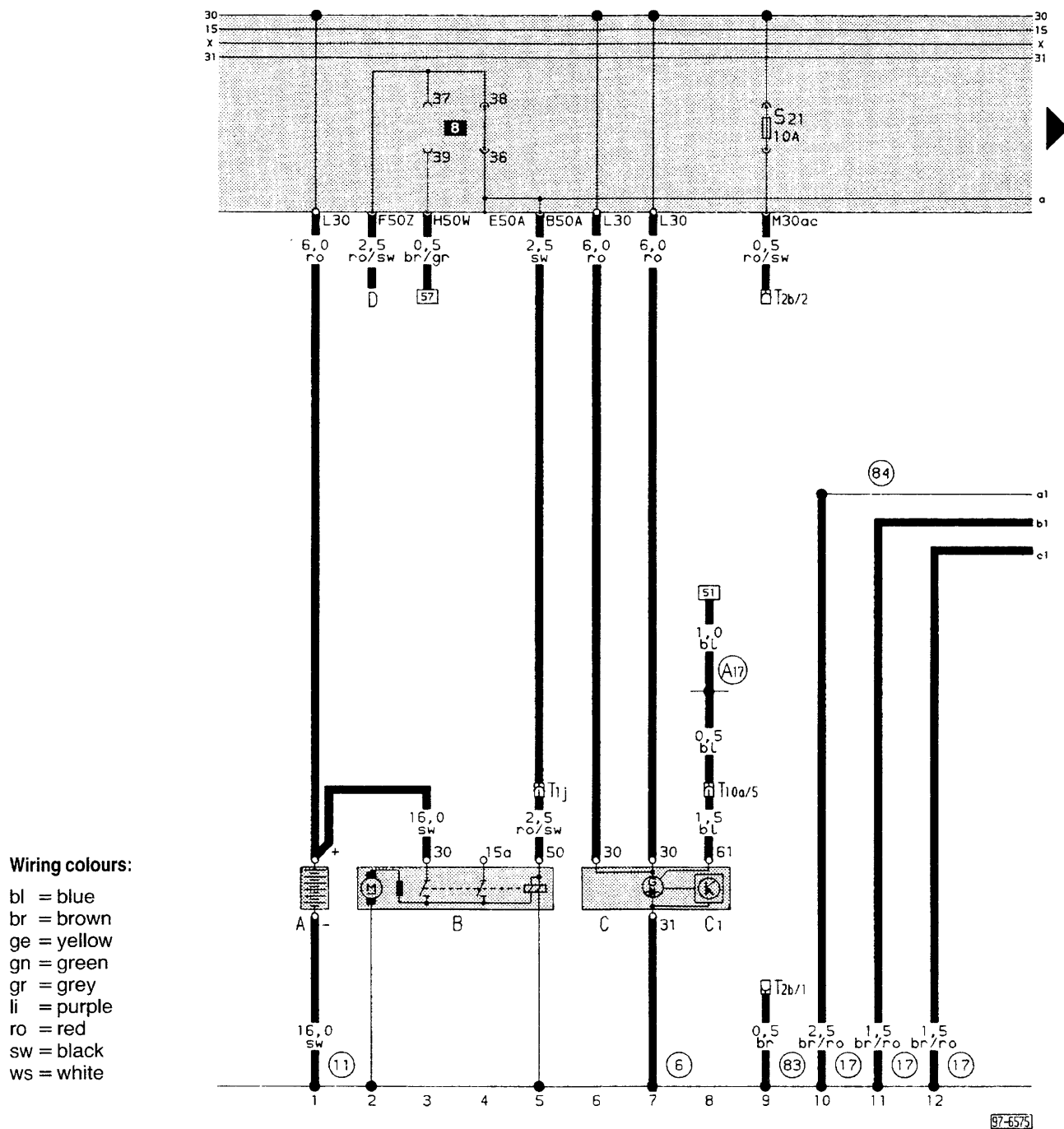


- | | |
|---|--|
| 1 – Fog light relay | 2 – Buzzer for side lights and radio |
| 2 – Radiator fan 2nd stage relay | 6 – Oil pressure warning control unit |
| 3 – Control unit for fan run-on | |
| 5 – Relief relay for X contact | |
| 8 – Bridge connection with manual gearbox/relay with automatic gearbox | |
| 10 – Fuel pump relay | |

Fuse colours

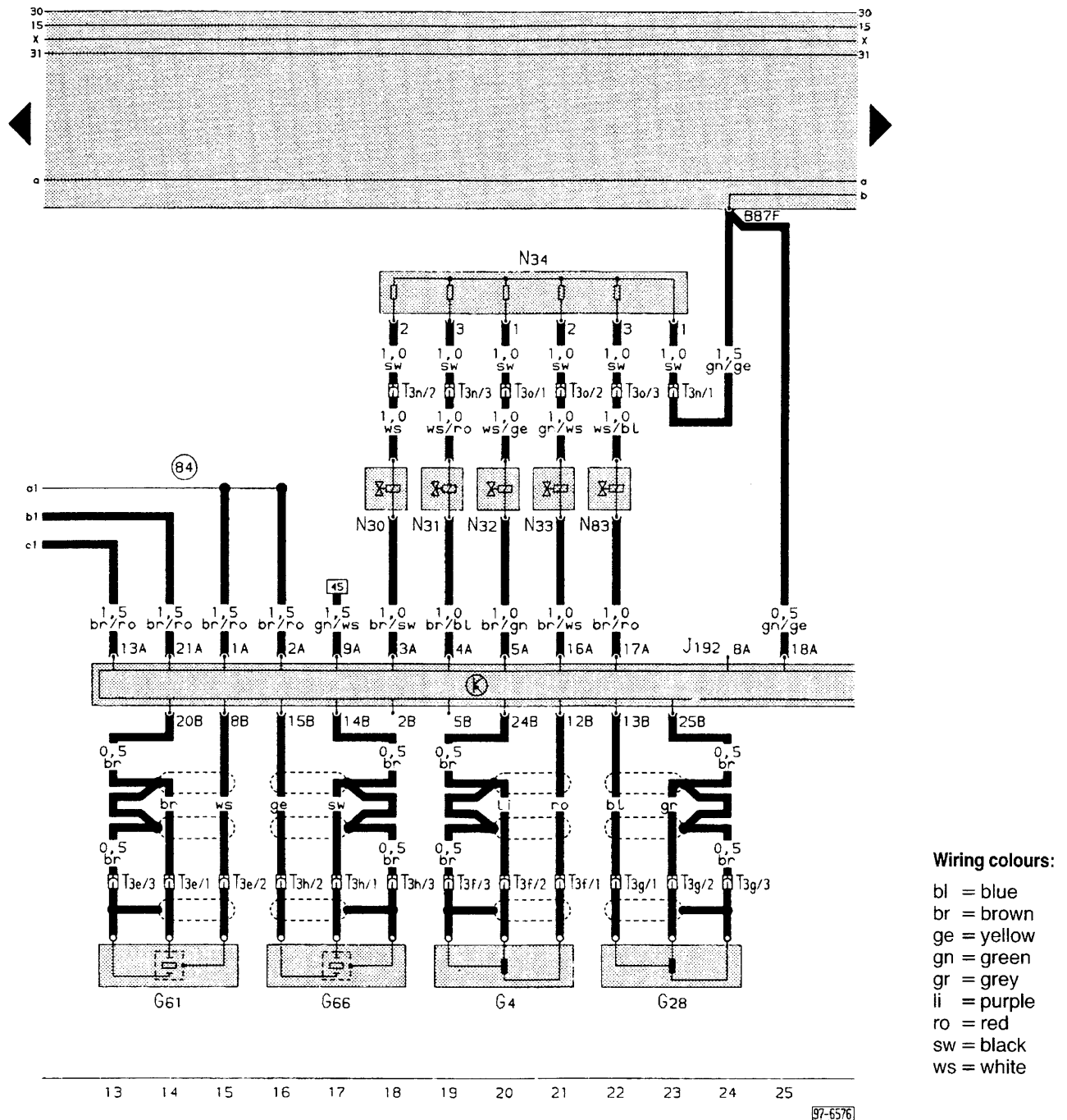
- 30 A – green
- 25 A – colourless (white)
- 20 A – yellow
- 15 A – blue
- 10 A – red
- 5 A – light brown

Battery, starter, alternator



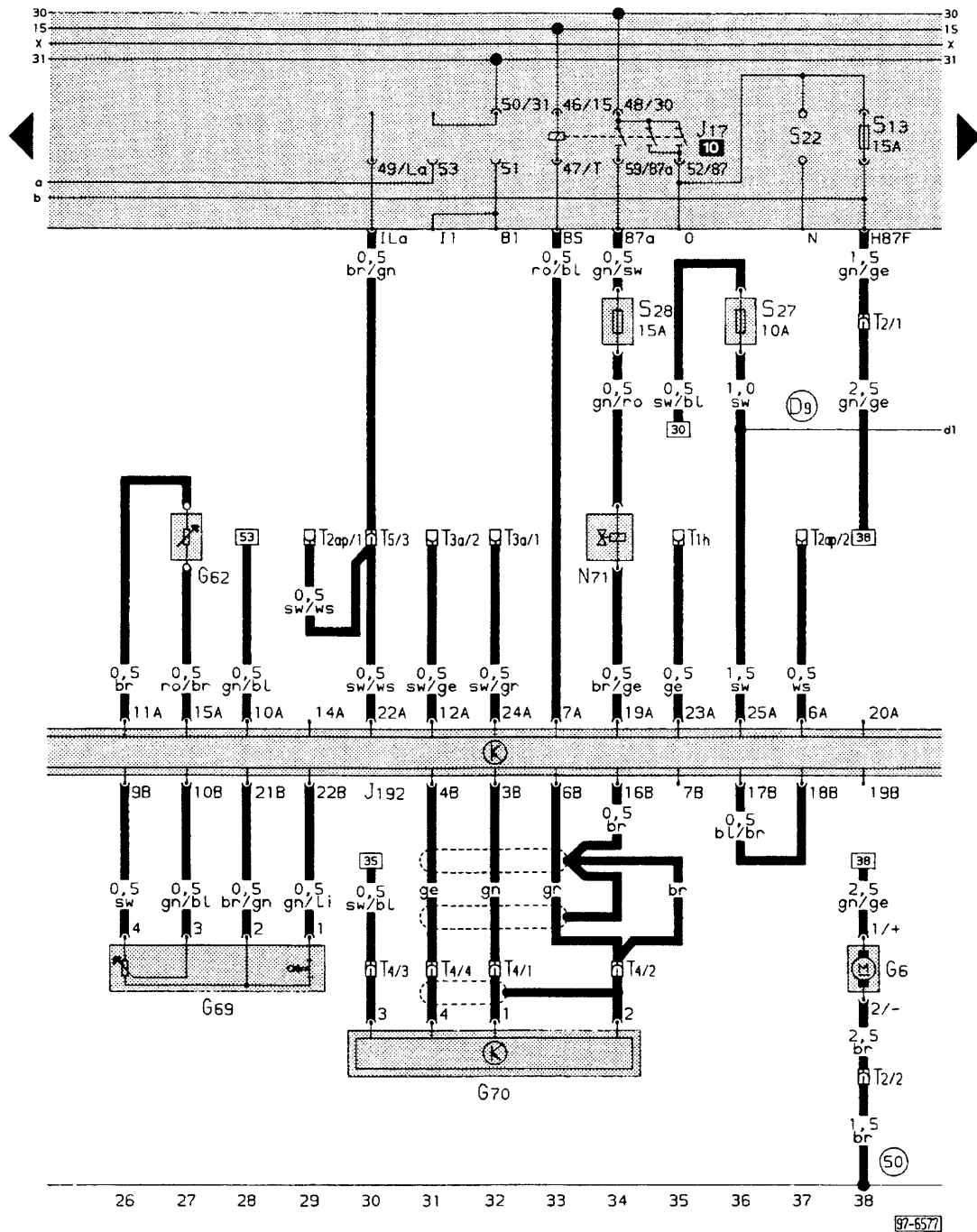
- A – Battery
- B – Starter
- C – Alternator
- C 1 – Voltage regulator
- D – Ignition/starter switch
- T 1j – Connector single, on bulkhead, right
- T 2b – Connector 2 pin, black, under dash panel, diagnosis plug
- T 10a – Connector 10 pin, yellow, connector point in aux. relay carrier
- (6) – Earthing strap, engine – alternator
- (11) – Earth point, in battery box
- (17) – Earth point, on intake manifold
- (83) – Earth connection – 1 –, in front right wiring loom
- (84) – Earth connection, engine block, in front right wiring loom
- (A17) – Connection (61), in dash panel wiring loom

Electronic fuel injection

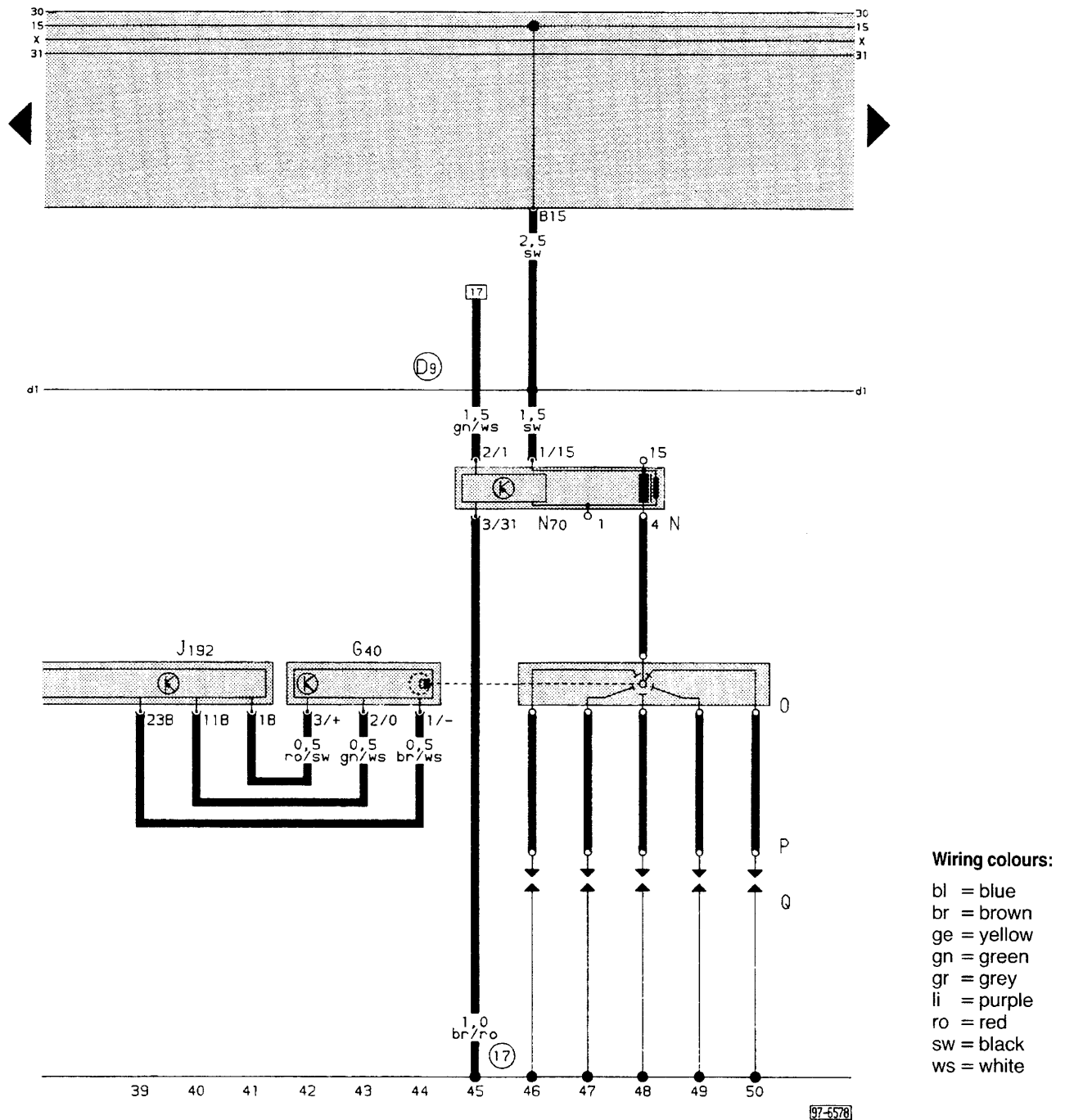


- G 4 – Firing point sender
- G 28 – Engine speed sender
- G 61 – Knock sensor I
- G 66 – Knock sensor II
- J 192 – Multi-point injection control unit
- N 30 – Injector, cylinder 1
- N 31 – Injector, cylinder 2
- N 32 – Injector, cylinder 3
- N 33 – Injector, cylinder 4
- N 83 – Injector, cylinder 5
- N 34 – Series resistance for injectors
- T 3e – Connector 3 pin, green, in engine compartment, right
- T 3f – Connector 3 pin, black, in engine compartment, right
- T 3g – Connector 3 pin, grey, in engine compartment, right
- T 3h – Connector 3 pin, blue, in engine compartment, right
- T 3n – Connector 3 pin, grey, in engine compartment, right
- T 3o – Connector 3 pin, brown, in engine compartment, right
- (84) – Earth connection, engine block, in front right wiring loom

Electronic fuel injection, fuel pump relay, fuel pump

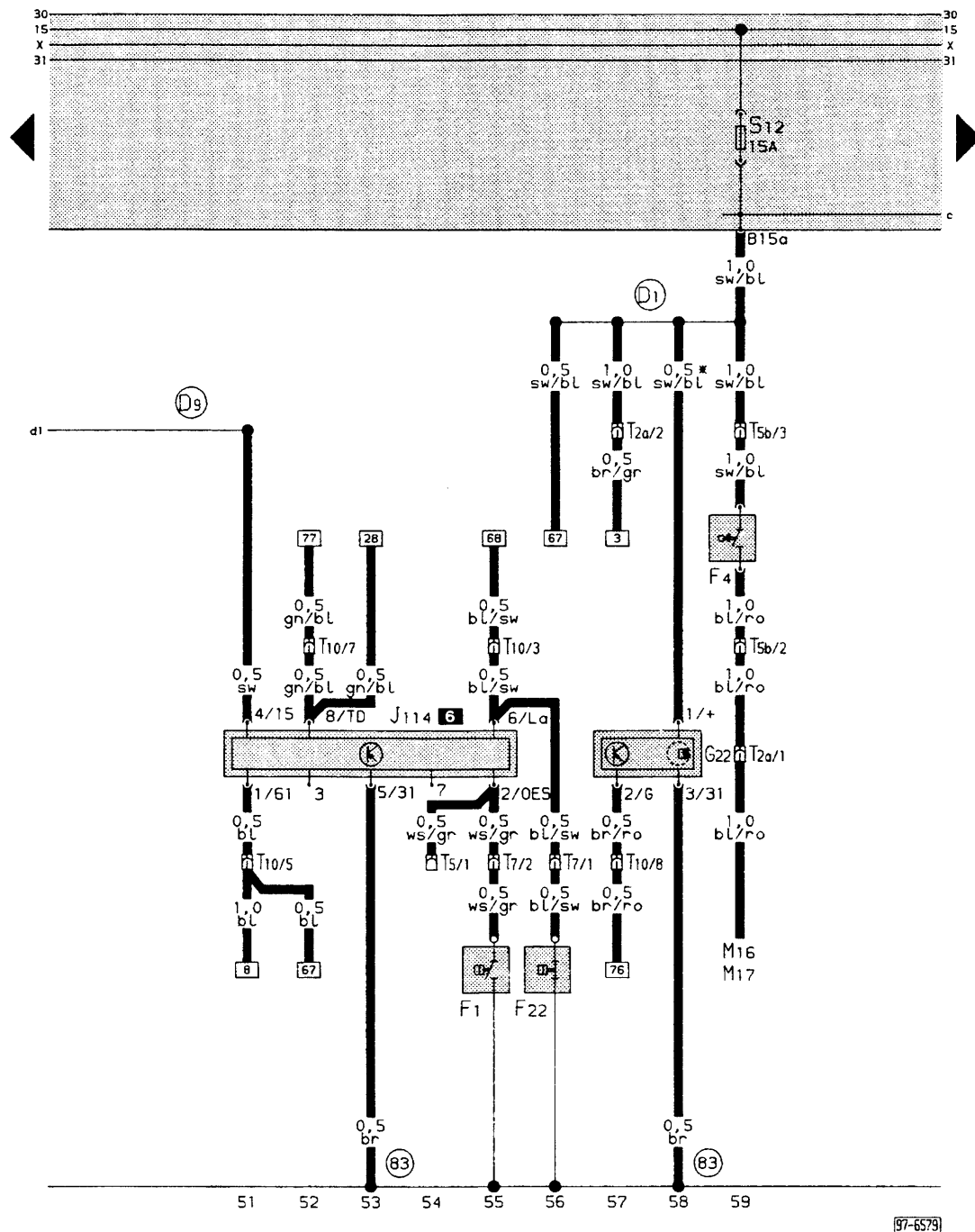


Electronic fuel injection, ignition



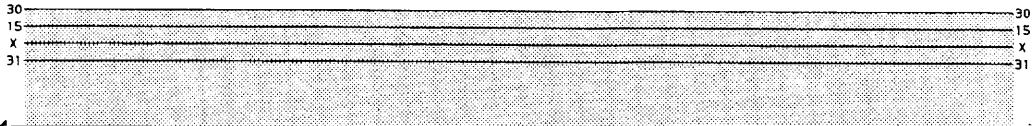
- G 40 – Hall sender
- J 192 – Multi-point injection control unit
- N – Ignition coil
- N 70 – Coil with final output stage
- O – Ignition distributor
- P – Spark plug connector
- Q – Spark plugs
- (17) – Earth point, on intake manifold
- (D9) – Positive (+) connection (15) via fuse 27 in front right wiring loom

Visual and acoustic oil pressure warning system, speedometer

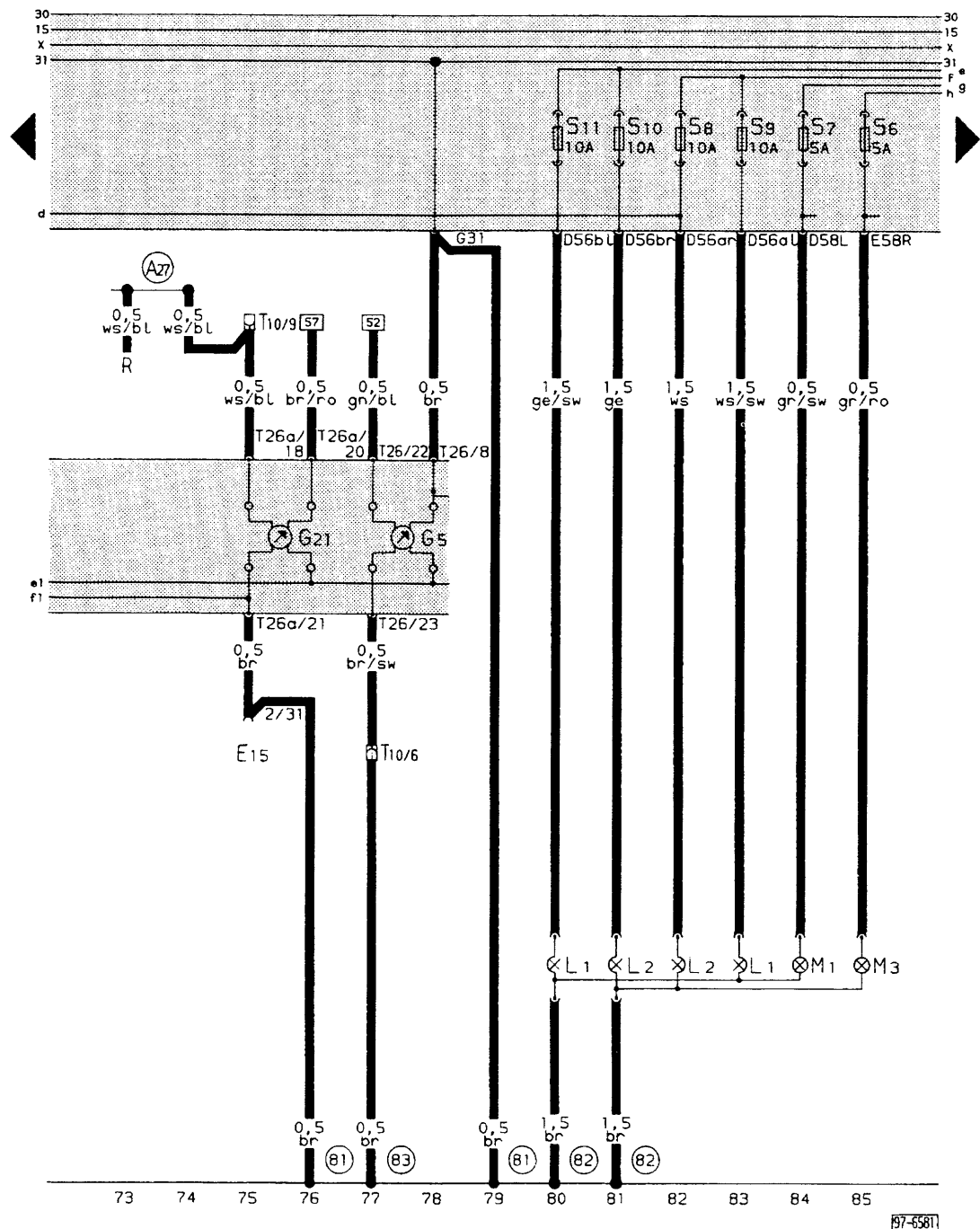


- F 1 – Oil pressure switch (1.8 bar), white
- F 4 – Reversing light switch
- F 22 – Oil pressure switch (0.3 bar), brown
- G 22 – Speedometer sender
- J 114 – Oil pressure warning control unit
- M 16 – Reversing light bulb left
- M 17 – Reversing light bulb right
- T 2a – Connector 2 pin, white, behind dash panel, left
- T 5 – Connector 5 pin, black, connector point in aux. relay carrier
- T 5b – Connector 5 pin, in engine compartment, left
- T 7 – Connector 7 pin, in engine compartment, right
- T 10 – Connector 10 pin, black, connector point in aux. relay carrier
- Ⓢ – Earth connection – 1 –, in front right wiring loom
- Ⓛ – Positive (+) connection (15a), in front right wiring loom
- Ⓛ – Positive (+) connection (15) via fuse 27 in front right wiring loom
- * – only in vehicles with automatic gearbox

Dash panel insert, coolant monitor



Dash panel insert, rev. counter, headlights, side lights

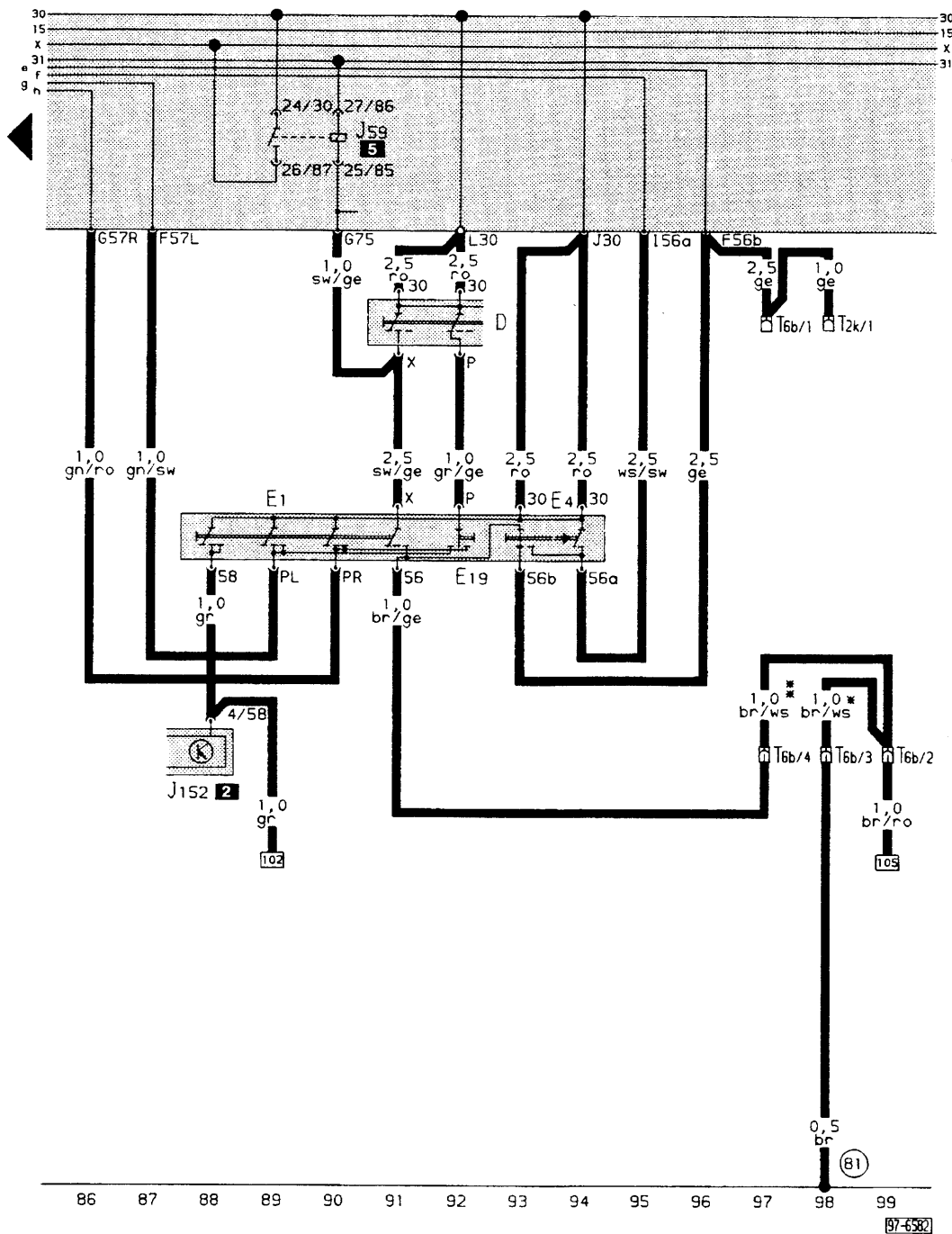


Wiring colours:

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

- E 15 – Heated rear window switch
- G 5 – Rev. counter
- G 21 – Speedometer
- L 1 – Twin filament bulb, left headlight
- L 2 – Twin filament bulb, right headlight
- M 1 – Side light bulb, left
- M 3 – Side light bulb, right
- R – Connection for radio
- T 10 – Connector 10 pin, black, connector point in aux. relay carrier
- T 26 – Connector 26 pin, yellow, dash panel insert
- T 26a – Connector 26 pin, blue, dash panel insert
- ⑧1 – Earth connection – 1 –, in dash panel wiring loom
- ⑧2 – Earth connection – 1 –, in front left wiring loom
- ⑧3 – Earth connection – 1 –, in front right wiring loom
- A27 – Connection (speed signal), in dash panel wiring loom

Lighting switch, headlight dipper/flasher switch



D – Ignition/starter switch

E 1 – Lighting switch

E 4 – Headlight dipper/flasher switch

E 19 – Parking light switch

J 59 – Relief relay for x contact

J 152 – Buzzer for side lights and radio

T 2k – Connector 2 pin, black, behind dash panel, left

T 6b – Connector 6 pin, coding plug connection for foglights, behind dash panel, left

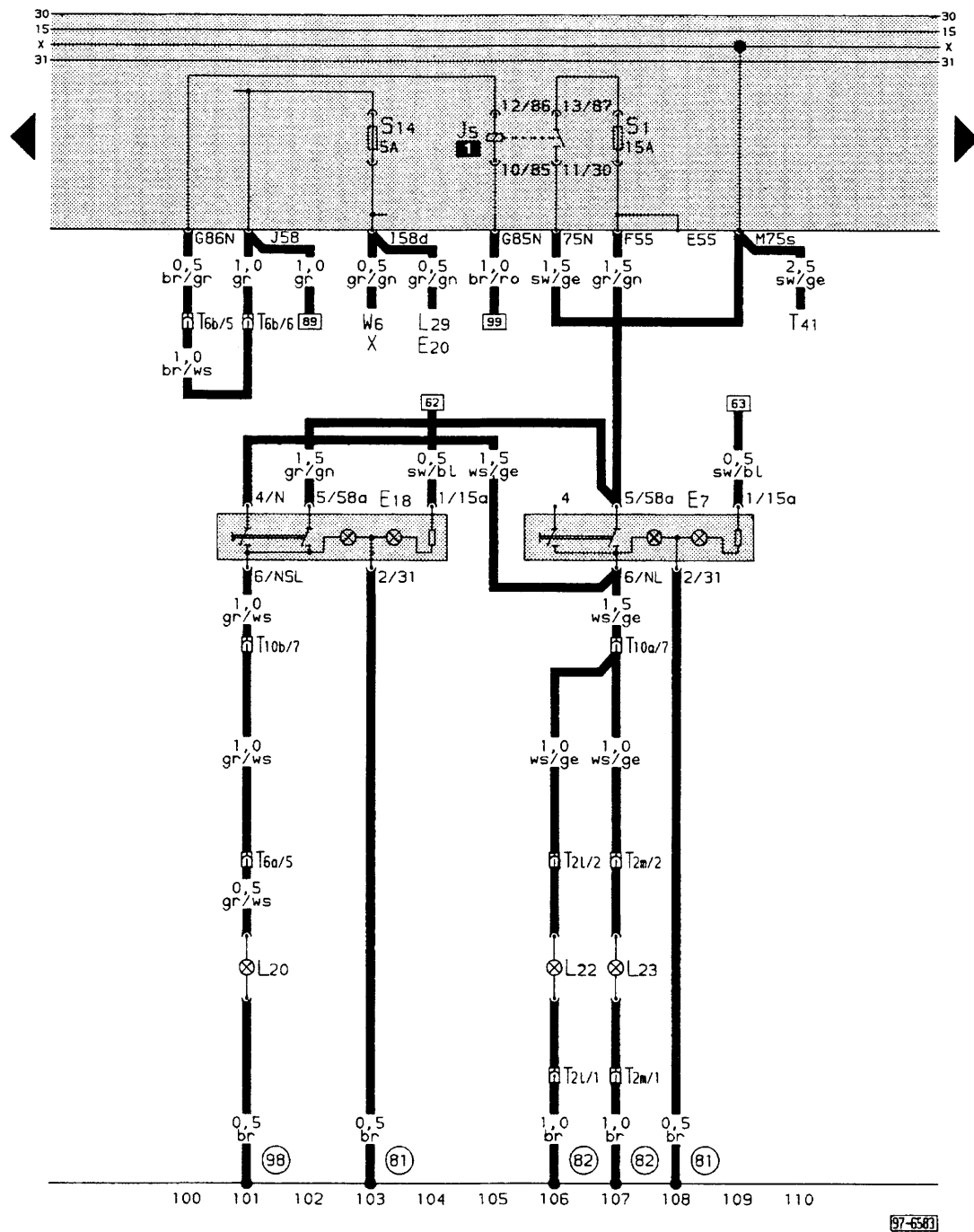
Ⓢ1 – Earth connection – 1 –, in dash panel wiring loom

* – Switzerland, Finland, EC countries, standard (wired together with side lights, dipped and main beam headlights)

** – Australia, New Zealand, Holland (wired together with side lights only)

Note: The illustrated wiring of the fog lights and rear fog light is not applicable for Great Britain or the Audi Coupé. For details of wiring on these vehicles, see Current Flow Diagram for fog lights and rear fog light (Great Britain) and Current Flow Diagram for fog lights and rear fog light (Coupé).

Fog lights and rear fog light



Wiring colours:

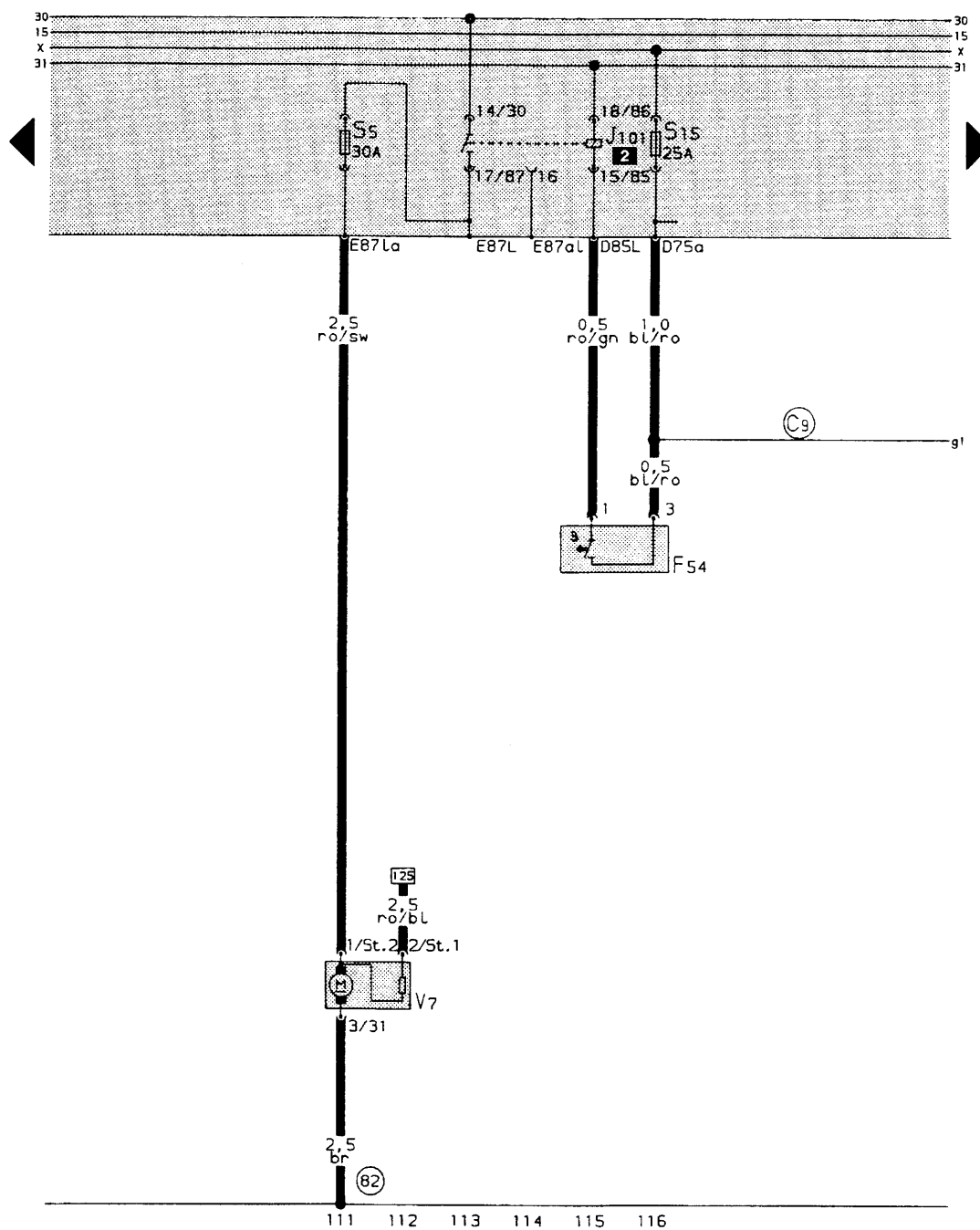
bl = blue
 br = brown
 ge = yellow
 gn = green
 gr = grey
 li = purple
 ro = red
 sw = black
 ws = white

- E 7 – Fog light switch
- E 18 – Rear fog light switch
- E 20 – Switches and instruments – lighting control
- J 5 – Fog light relay
- L 20 – Rear fog light bulb
- L 22 – Fog light bulb, left
- L 23 – Fog light bulb, right
- L 29 – Engine compartment light bulb
- T 2l – Connector 2 pin, in engine compartment, left
- T 2m – Connector 2 pin, in engine compartment, right
- T 6a – Connector 6 pin, white, in luggage boot, left
- T 6b – Connector 6 pin, coding plug connection for foglights behind dash panel, left
- T 10a – Connector 10 pin, yellow, connector point in aux. relay carrier
- T 10b – Connector 10 pin, brown, connector point in aux. relay carrier
- T 41 – Wiring adapter for terminal 75s
- W 6 – Glove box light

- X – Number plate light
- (81) – Earth connection – 1 –, in dash panel wiring loom
- (82) – Earth connection – 1 –, in front left wiring loom
- (98) – Earth connection, in tailgate wiring loom

Note: The illustrated wiring of the fog lights and rear fog light is not applicable for Great Britain or the Audi Coupé. For details of wiring on these vehicles, see Current Flow Diagram for fog lights and rear fog light (Great Britain) and Current Flow Diagram for fog lights and rear fog light (Coupé).

Radiator fan

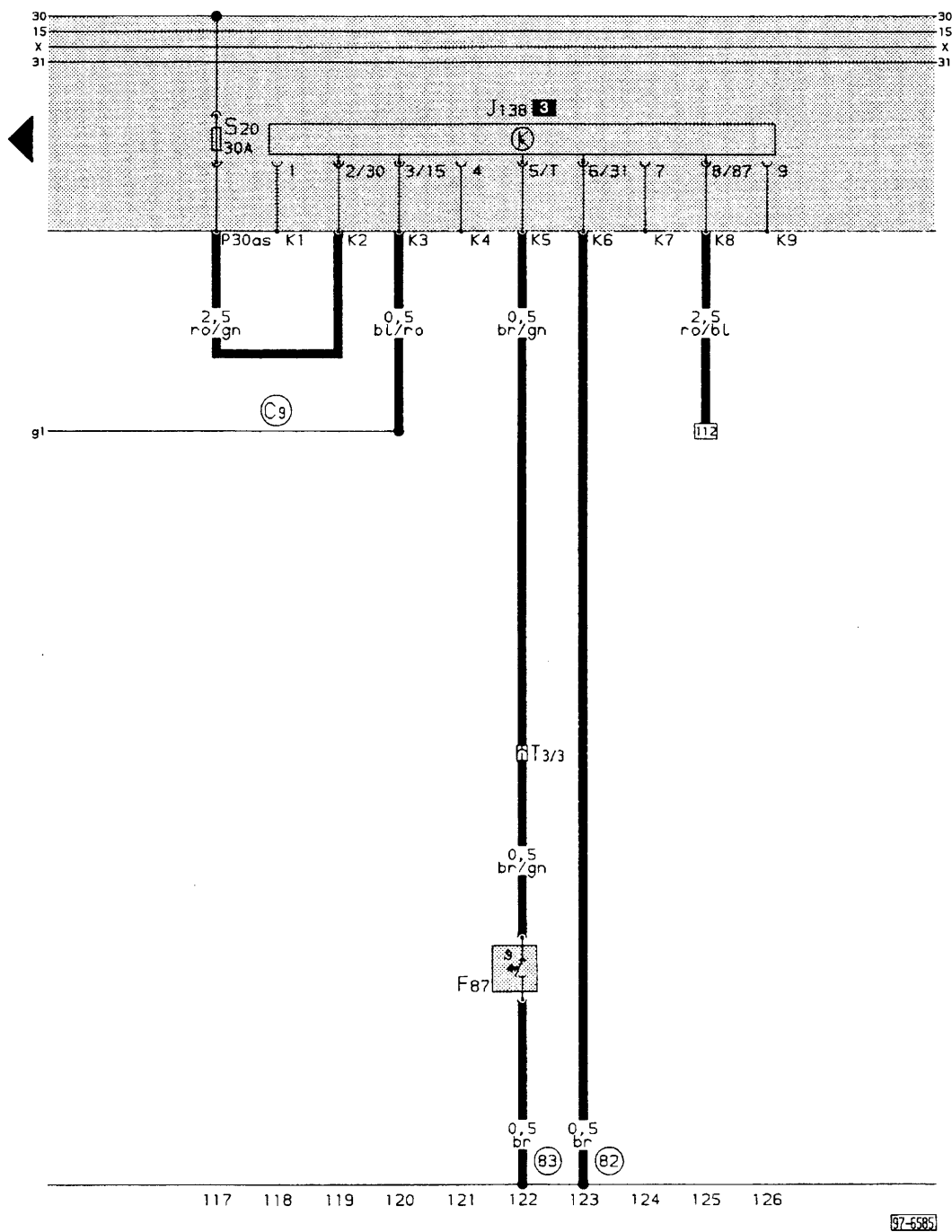


Wiring colours:

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

- F 54 – Radiator fan thermo switch (2nd stage)
 J 101 – Radiator fan 2nd stage relay
 V 7 – Radiator fan
 ⑧2 – Earth connection – 1 –, in front left wiring loom
 ⑨ – Positive (+) connection (75a), in front left wiring loom

Fan run-on



Wiring colours:

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

- F 87 – Thermo switch for fan run-on
 J 138 – Control unit for radiator fan run-on
 T 3 – Connector 3 pin, brown, behind dash panel, left
 ⑧2 – Earth connection – 1 –, in front left wiring loom
 ⑧3 – Earth connection – 1 –, in front right wiring loom
 ⑨ – Positive (+) connection (75a), in front left wiring loom