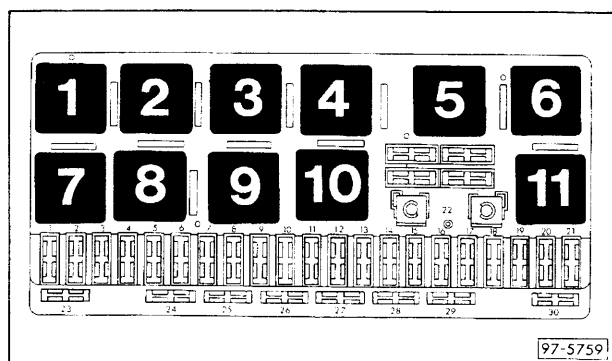


Audi 90 (2.3 litre fuel injection engine, 100 kW, KE-III-Jetronic, 5-cylinder) Engine code letters NG

From June 1990

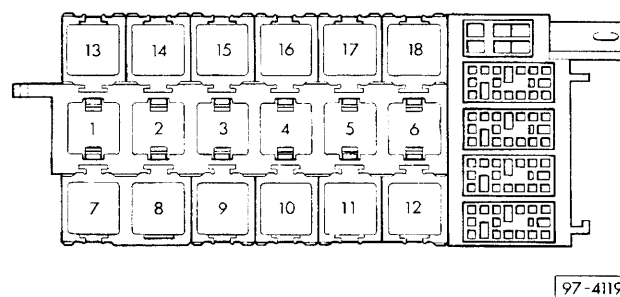
Position of relays:
see also "Fitting Locations"

Relay plate with fuse holder:



- 2** – Radiator fan, 2nd stage, relay
- 3** – Control unit for radiator fan run-on
- 8** – Bridge connection with manual gearbox/Relay with automatic gearbox
- 10** – Fuel pump relay

Auxiliary relay carrier:

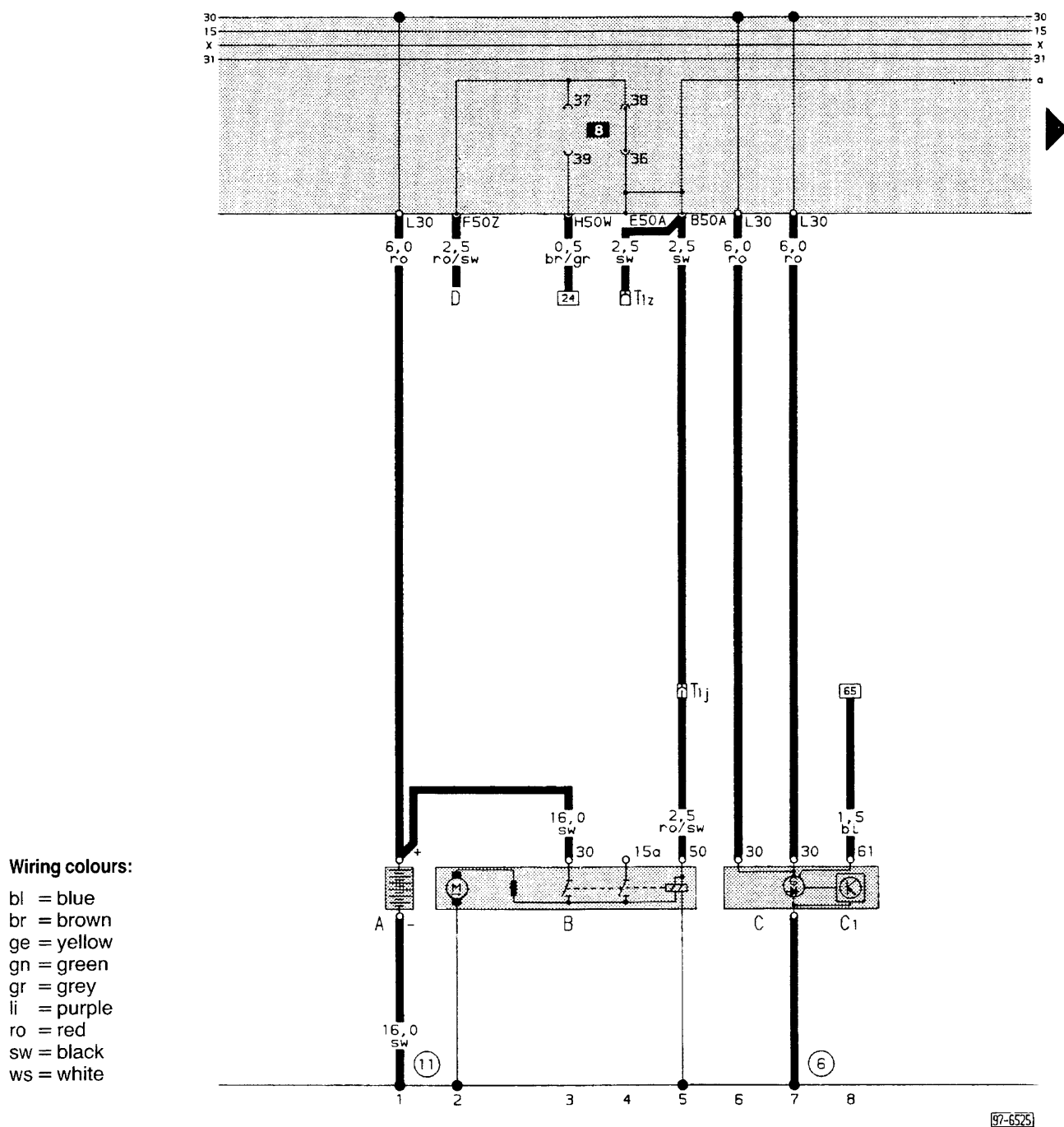


- 6** – Oil pressure warning system control unit

Fuse colours

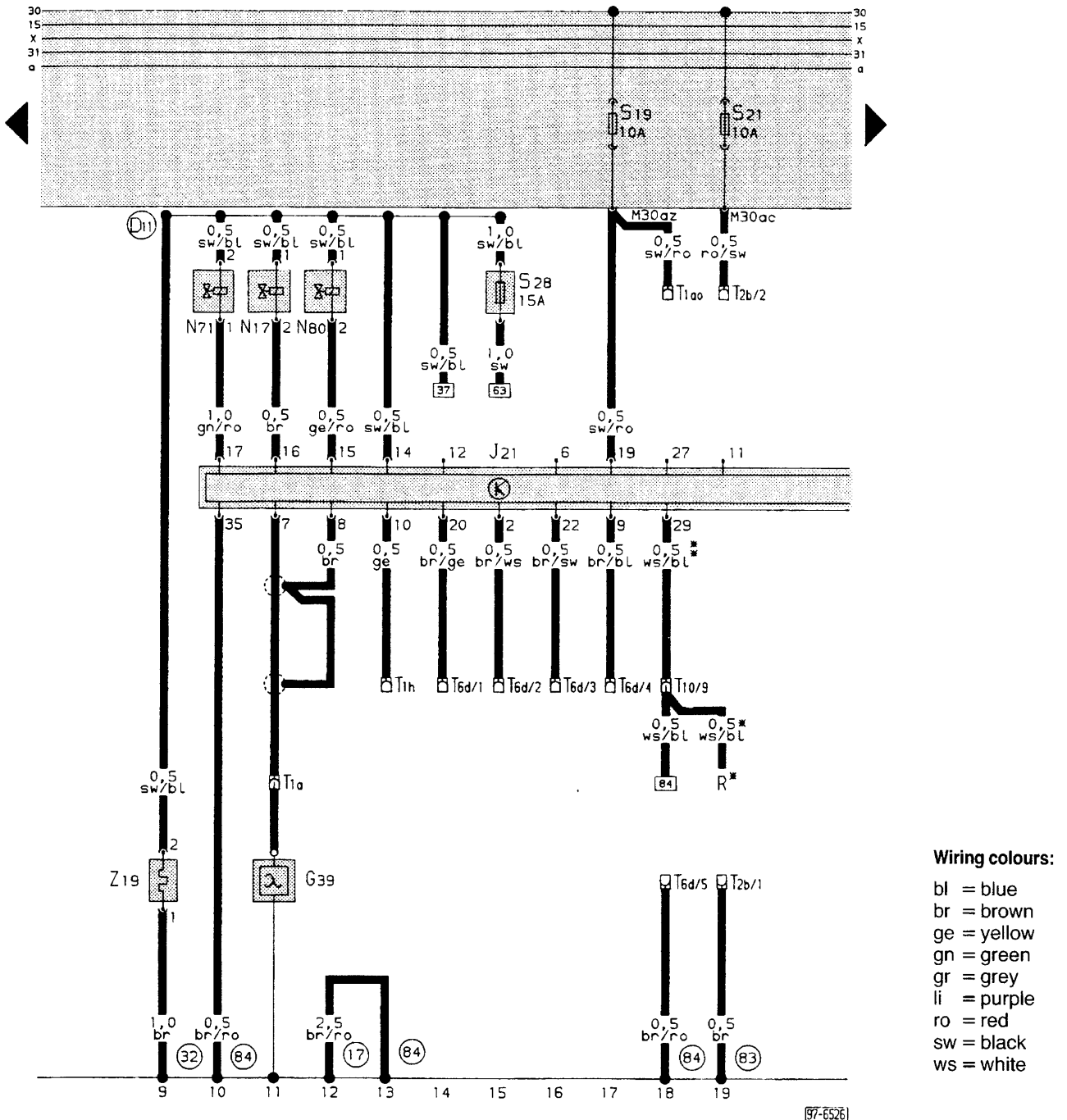
- 30 A – green
- 25 A – colourless (white)
- 20 A – yellow
- 15 A – blue
- 10 A – red
- 5 A – light brown

Battery, starter, alternator



- A – Battery
- B – Starter
- C – Alternator
- C1 – Voltage regulator
- D – Ignition/starter switch
- T1j – Connector single, on bulkhead, right
- T1z – Connector single, red, behind dash panel, left
- ⑥ – Earthing strap, engine – alternator
- ⑪ – Earth point, in battery box

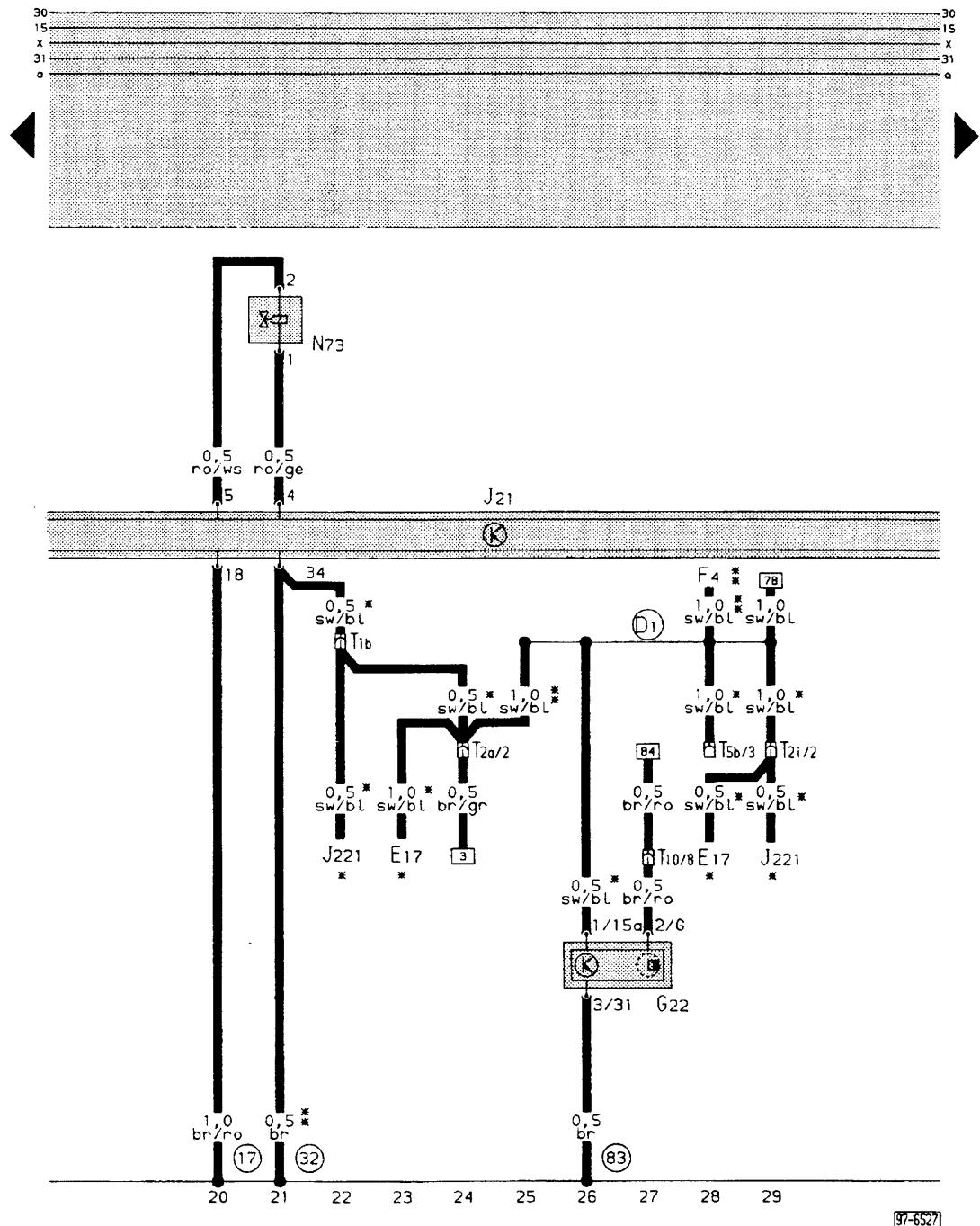
Electronic fuel injection, lambda probe



- G 39 – Lambda probe with heater
 J 21 – KE Jetronic control unit
 N 17 – Cold start valve
 N 71 – Idling speed stabilization valve
 N 80 – Activated charcoal filter system solenoid valve I (pulsed)
 R – Connection for radio
 S 28 – Fuse in additional fuse box (engine systems II – for lambda control)
 T 1a – Connector single, in engine compartment, right
 T 1h – Connector single, yellow, behind dash panel, left
 T 1ao – Connector single, colourless, behind dash panel, left
 T 2b – Connector 2 pin, black, under dash panel (diagnosis plug)
 T 6d – Connector 6 pin, black, behind dash panel
 T 10 – Connector 10 pin, black, connector point in aux. relay carrier
 Z 19 – Heating for Lambda probe

- (17) – Earth point, on intake manifold
 (32) – Earth point, behind dash panel, left
 (83) – Earth connection – 1 –, in front right wiring loom
 (84) – Earth connection, engine block, in front right wiring loom
 (D11) – Positive (+) connection (15) via fuse 28 in front right wiring loom
 * – only with preparation for radio installation
 ** – only on vehicles for Sweden

Electronic fuel injection

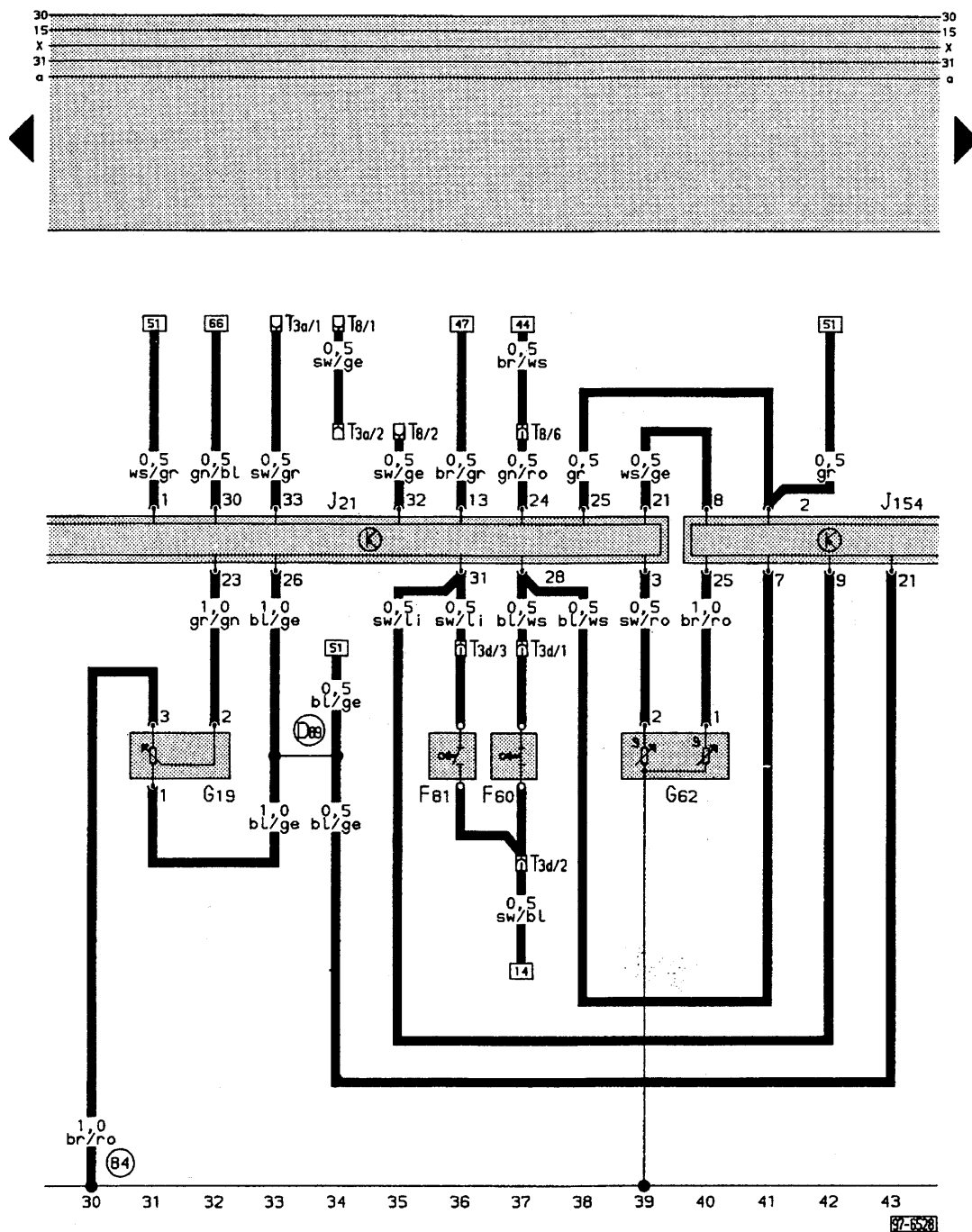


- E 17 – Starter inhibitor and reversing light switch
- F 4 – Reversing light switch
- G 22 – Speedometer sender
- J 21 – KE Jetronic control unit
- J 221 – Control unit for selector lever lock
- N 73 – Differential pressure regulator
- T 1b – Connector single, white, behind dash panel, left
- T 2a – Connector 2 pin, white, behind dash panel, left
- T 2i – Connector 2 pin, white, behind dash panel, left
- T 5b – Connector 5 pin, in engine compartment, left
- T 10 – Connector 10 pin, black, connector point in aux. relay carrier

- (17) – Earth point, on intake manifold
- (32) – Earth point, behind dash panel, left
- (83) – Earth connection – 1 –, in front right wiring loom
- (D1) – Positive (+) connection (15a), in front right wiring loom

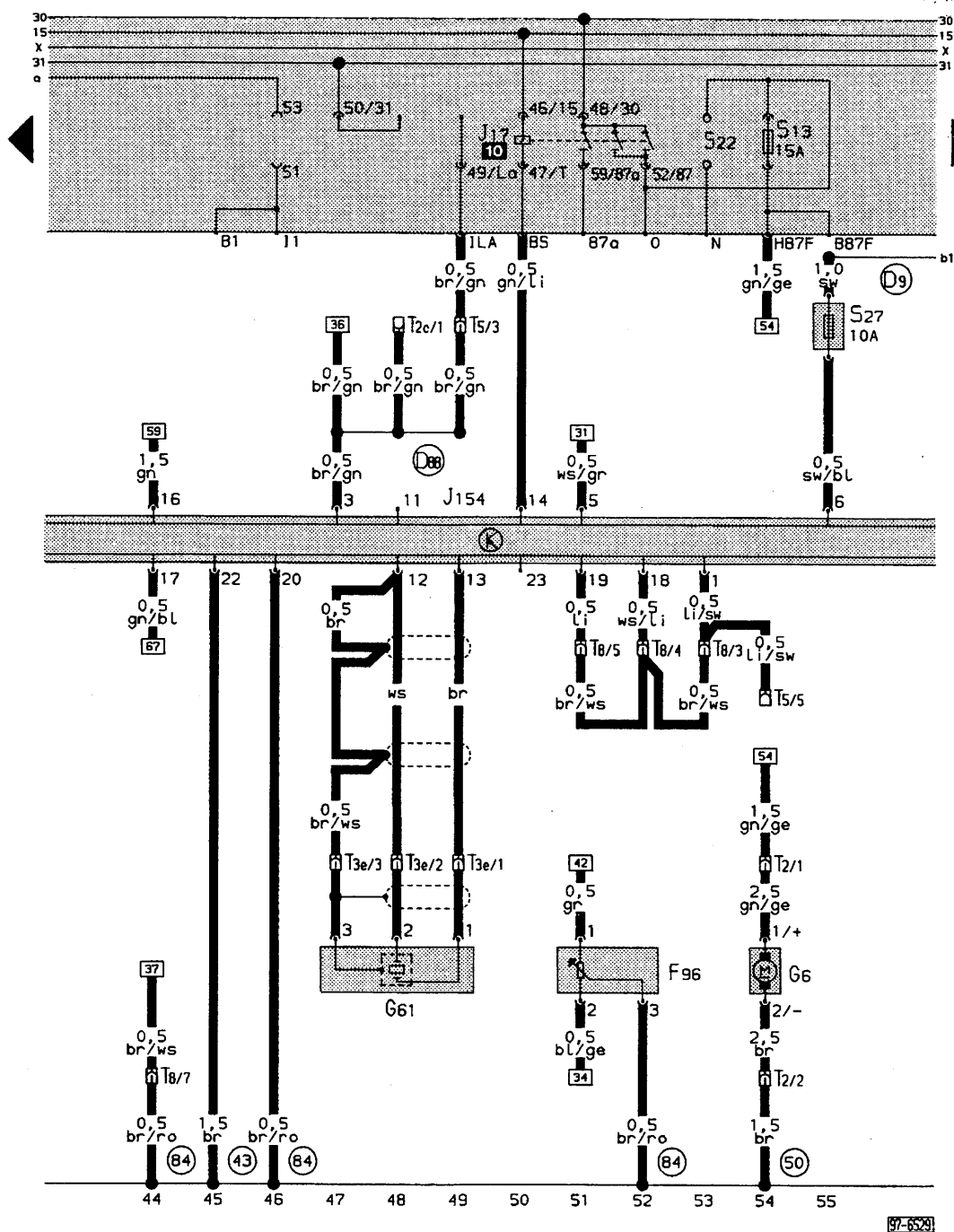
- * – only on vehicles with automatic gearbox
- ** – only on vehicles with manual gearbox

Electronic fuel injection, knock control



- F 60 – Idling switch
- F 81 – Full throttle switch
- G 19 – Potentiometer for air flow meter
- G 62 – Sender for coolant temperature
- J 21 – KE-Jetronic control unit
- J 154 – Control unit for electronic ignition with knock control
- T 3a – Connector 3 pin, red, behind dash panel
- T 3d – Connector 3 pin, black, in engine compartment, right
- T 8 – Connector 8 pin, behind dash panel
- Ⓢ – Earth connection, engine block, in front right wiring loom
- Ⓣ – Connection (control units), in engine compartment wiring loom

Knock control, fuel pump relay, fuel pump



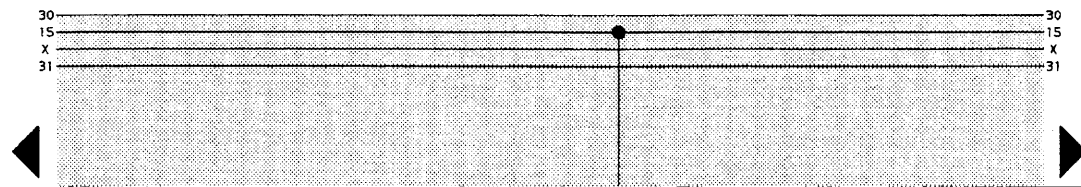
Wiring colours:

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

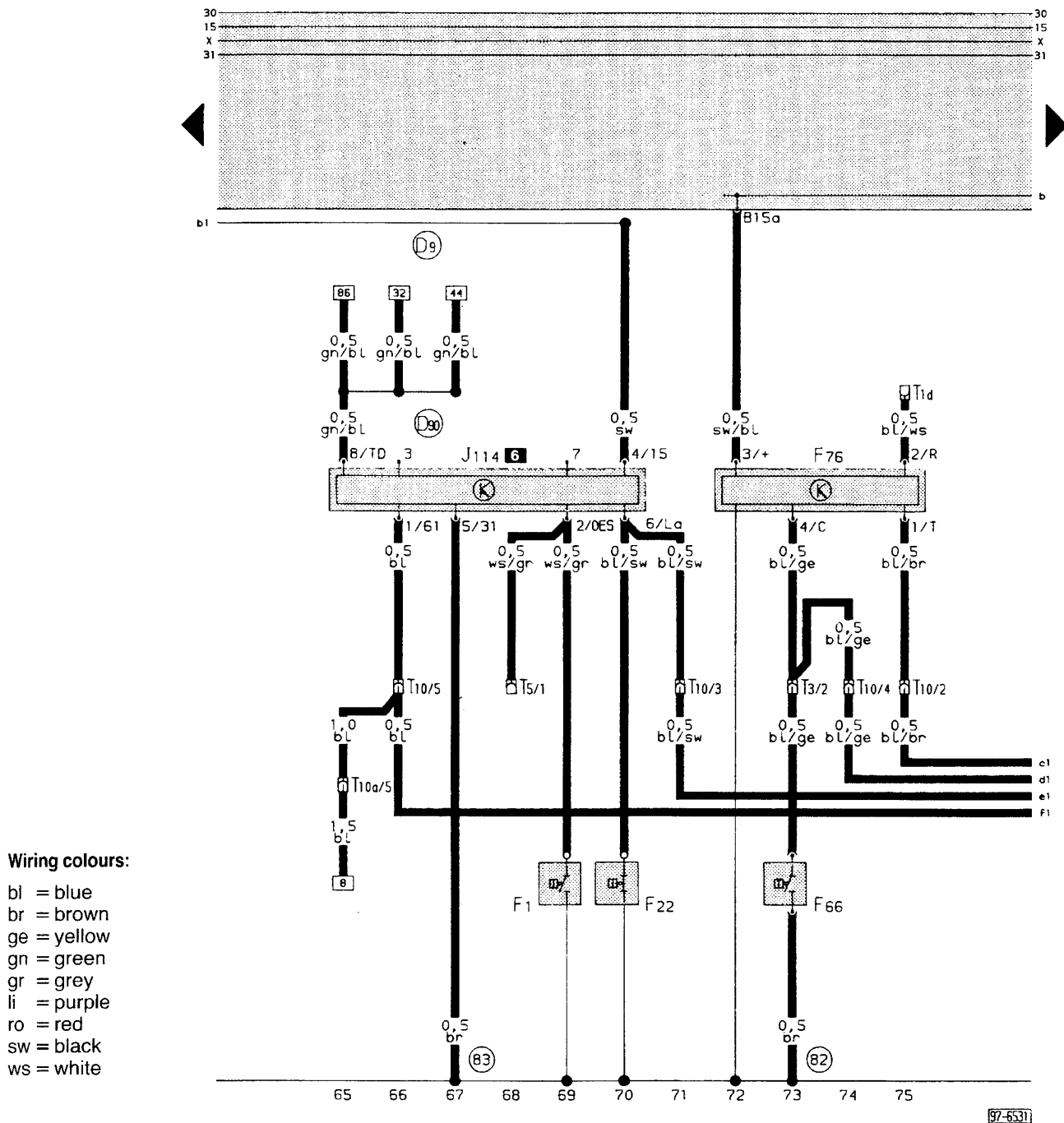
- F 96 – Altitude sender
- G 6 – Fuel pump
- G 61 – Knock sensor I
- J 17 – Fuel pump relay
- J 154 – Control unit for electronic ignition with knock control
- S 27 – Fuse in additional fuse holder (engine systems I for electronic ignition)
- T 2 – Connector 2 pin, under rear seat left
- T 2c – Connector 2 pin, black, behind dash panel (diagnosis plug)
- T 3e – Connector 3 pin, green, in engine compartment, right
- T 5 – Connector 5 pin, black, connector point in aux. relay carrier
- T 8 – Connector 8 pin, behind dash panel
- (43) – Earth point, A pillar, lower right
- (50) – Earth point, luggage boot, left

- (84) – Earth connection, engine block, in front right wiring loom
- (D9) – Positive (+) connection (15) via fuse 27 in front right wiring loom
- (D88) – Connection (self diagnosis), in engine compartment wiring loom

Knock control, ignition

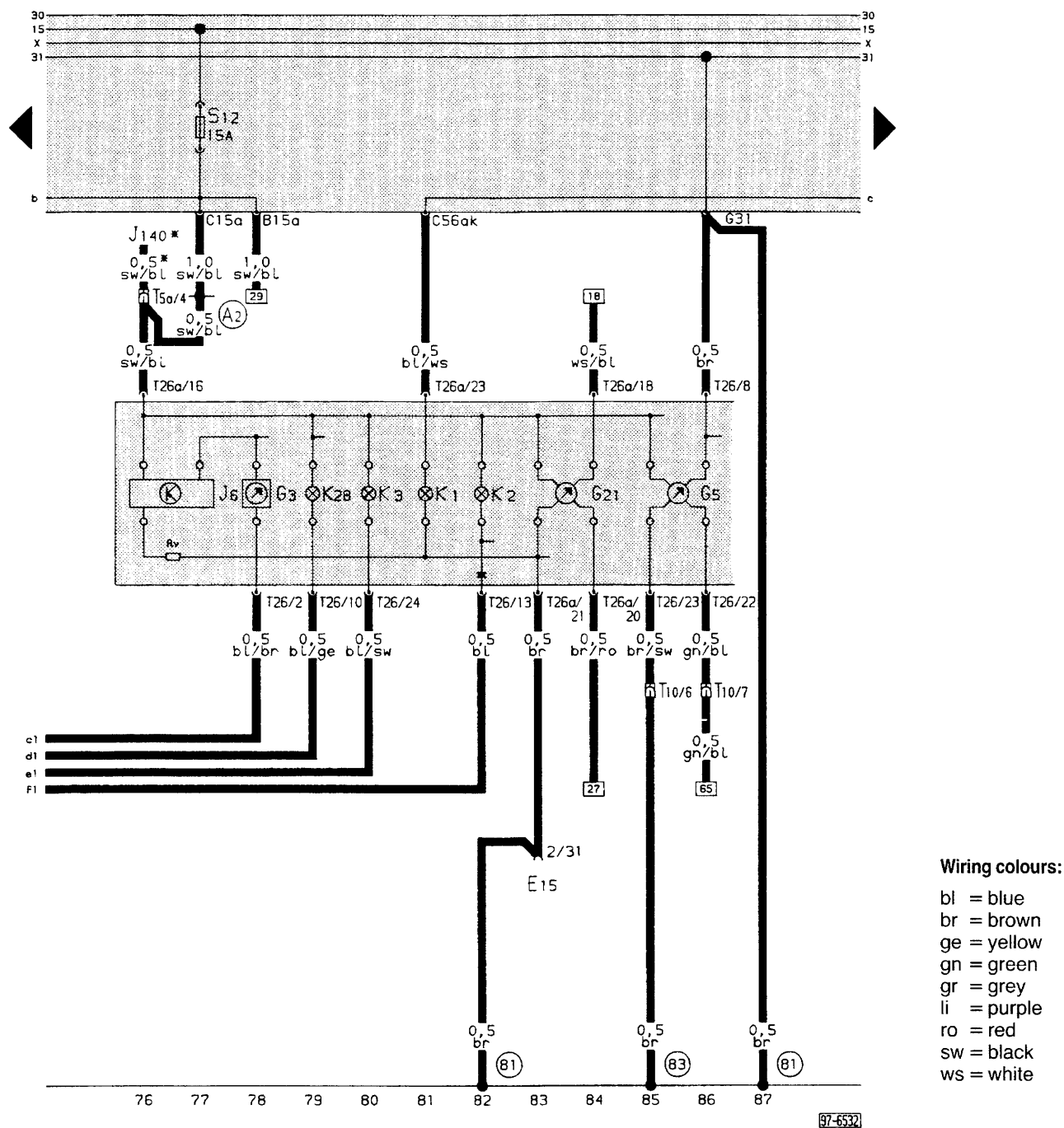


Visual and acoustic oil pressure warning, coolant monitor



- F 1 – Oil pressure switch (1.8 bar)
- F 22 – Oil pressure switch (0.3 bar)
- F 66 – Coolant shortage indicator switch
- F 76 – Electronic thermoswitch
- J 114 – Oil pressure warning control unit
- T 1d – Connector single, white, behind dash panel, left
- T 3 – Connector 3 pin, brown, behind dash panel, left
- T 5 – Connector 5 pin, black, connector point in aux. relay carrier
- T 10 – Connector 10 pin, black, connector point in aux. relay carrier
- T 10a – Connector 10 pin, yellow, connector point in aux. relay carrier
- Ⓔ – Earth connection – 1 –, in front left wiring loom
- Ⓕ – Earth connection – 1 –, in front right wiring loom
- Ⓗ – Positive (+) connection (15) via fuse 27 in front right wiring loom
- Ⓖ – Connection (engine rpm signal) in engine compartment wiring loom, right

Dash panel insert, rev. counter

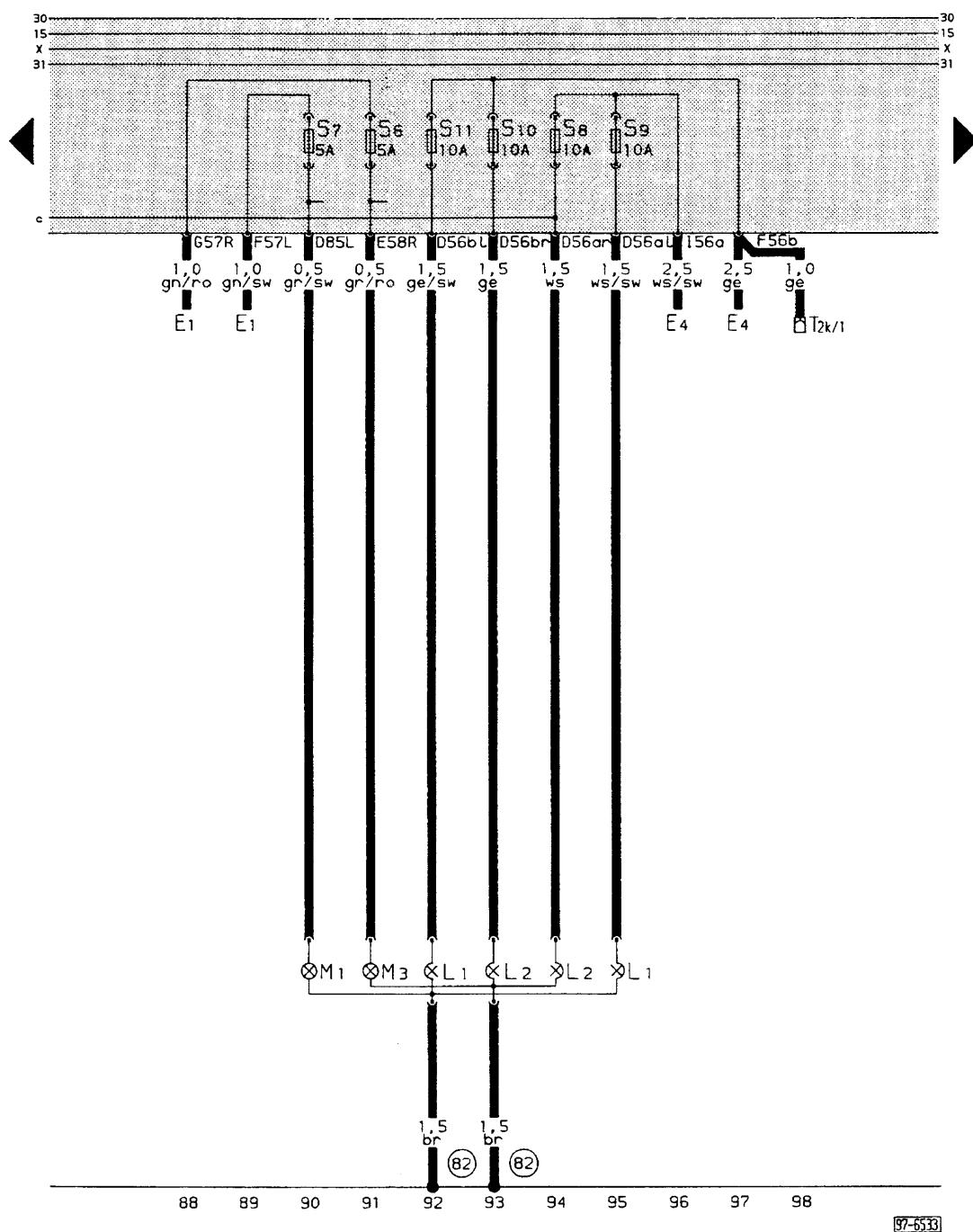


- E 15 – Heated rear window switch
 G 3 – Coolant temperature gauge
 G 5 – Rev. counter
 G 21 – Speedometer
 J 6 – Voltage stabilizer
 J 140 – Switch unit for interior light delay
 K 1 – Main beam warning lamp
 K 2 – Alternator warning lamp
 K 3 – Oil pressure warning lamp
 K 28 – Warning lamp for coolant temperature/coolant shortage
 T 5a – Connector 5 pin, brown, in aux. relay carrier I
 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
 (83) – Earth connection – 1 –, in front right wiring loom

(A2) – Positive (+) connection (15a), in dash panel wiring loom

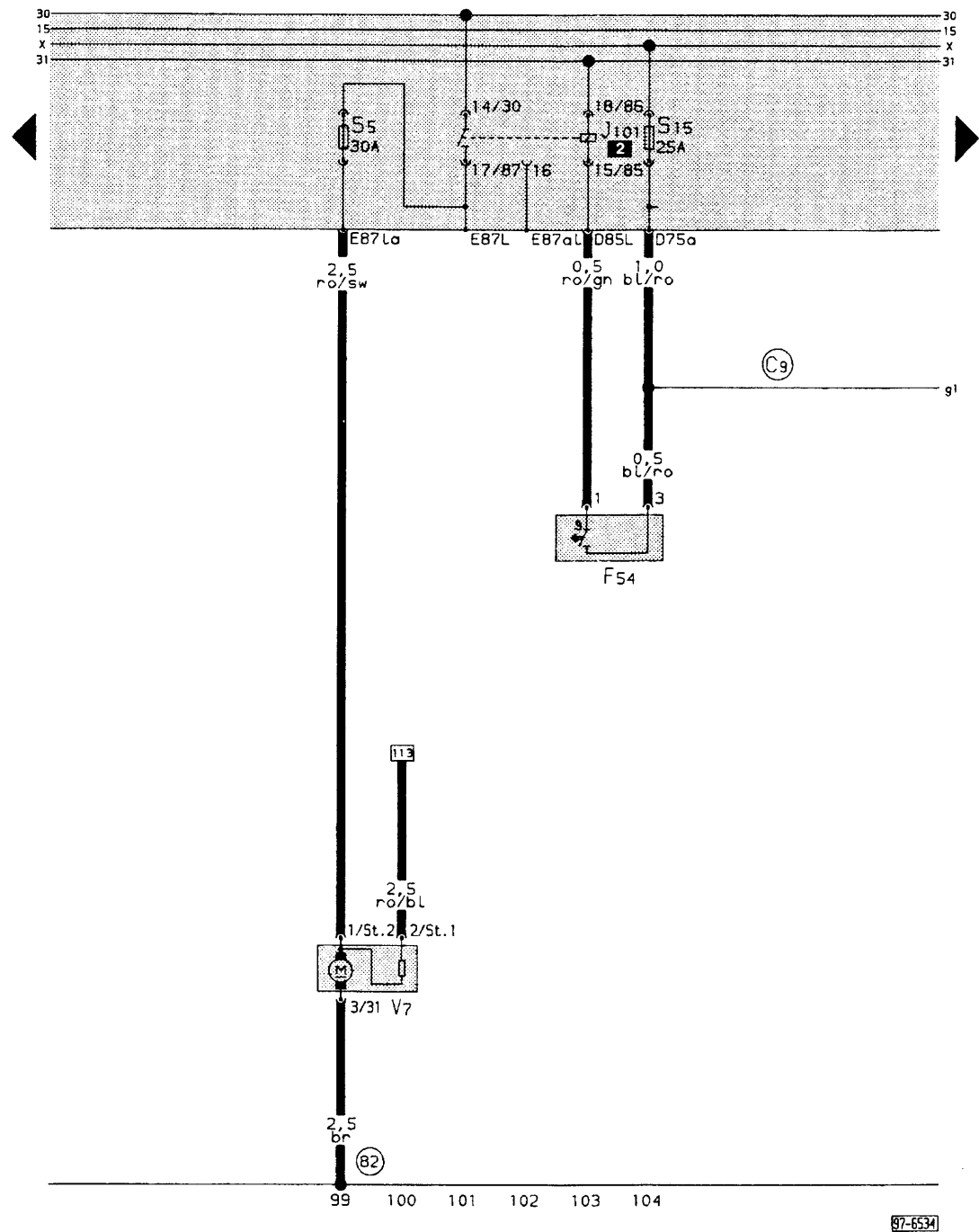
* – only with interior light with delay feature

Headlights, side lights



- E 1 – Lighting switch
- E 4 – Headlight dipper/flasher switch
- L 1 – Twin filament bulb, headlight, left
- L 2 – Twin filament bulb, headlight, right
- M 1 – Side light bulb, left
- M 3 – Side light bulb, right
- T 2k – Connector 2 pin, black, behind dash panel, left
- Ⓢ – Earth connection – 1 –, in front left wiring loom

Radiator fan



F 54 – Radiator fan thermo switch (2nd stage)

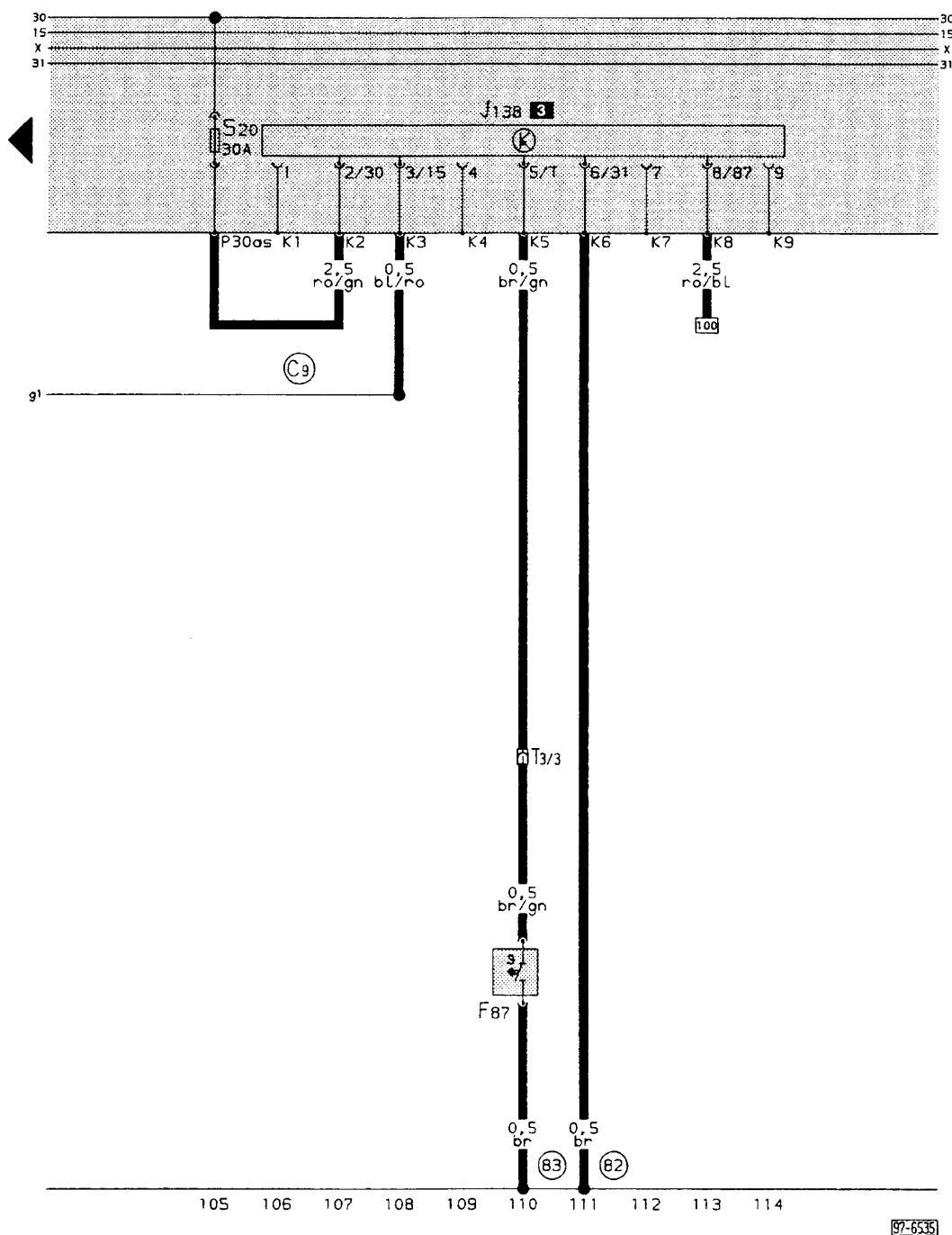
J 101 – Radiator fan 2nd stage relay

V 7 – Radiator fan

Ⓔ – 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
- Ⓔ – Earth connection – 1 –, in front left wiring loom
- Ⓕ – Earth connection – 1 –, in front right wiring loom
- Ⓒ9 – Positive (+) connection (75a), in front left wiring loom