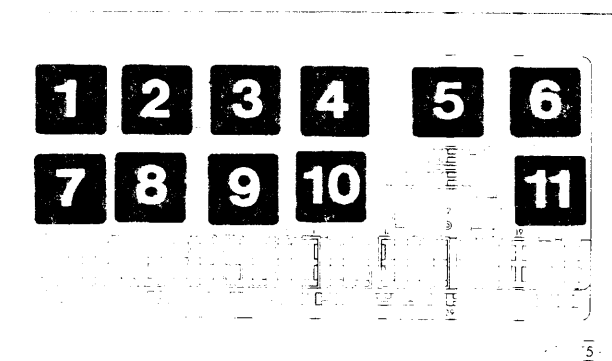


Audi 90 (2.3 litre injection engine, 125 kW, Multi-point injection, 5-cylinder) engine code letters 7A

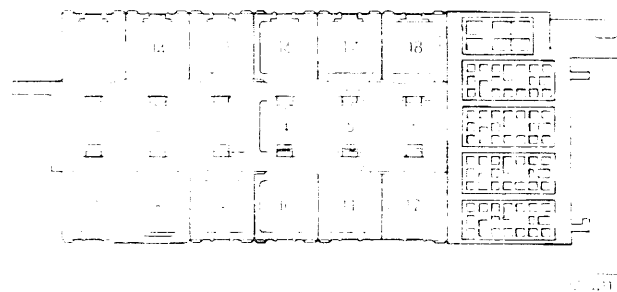
from June 1990

Positions of relays:
also see "Fitting Locations"

Relay plate with fuse holder



Auxiliary relay carrier

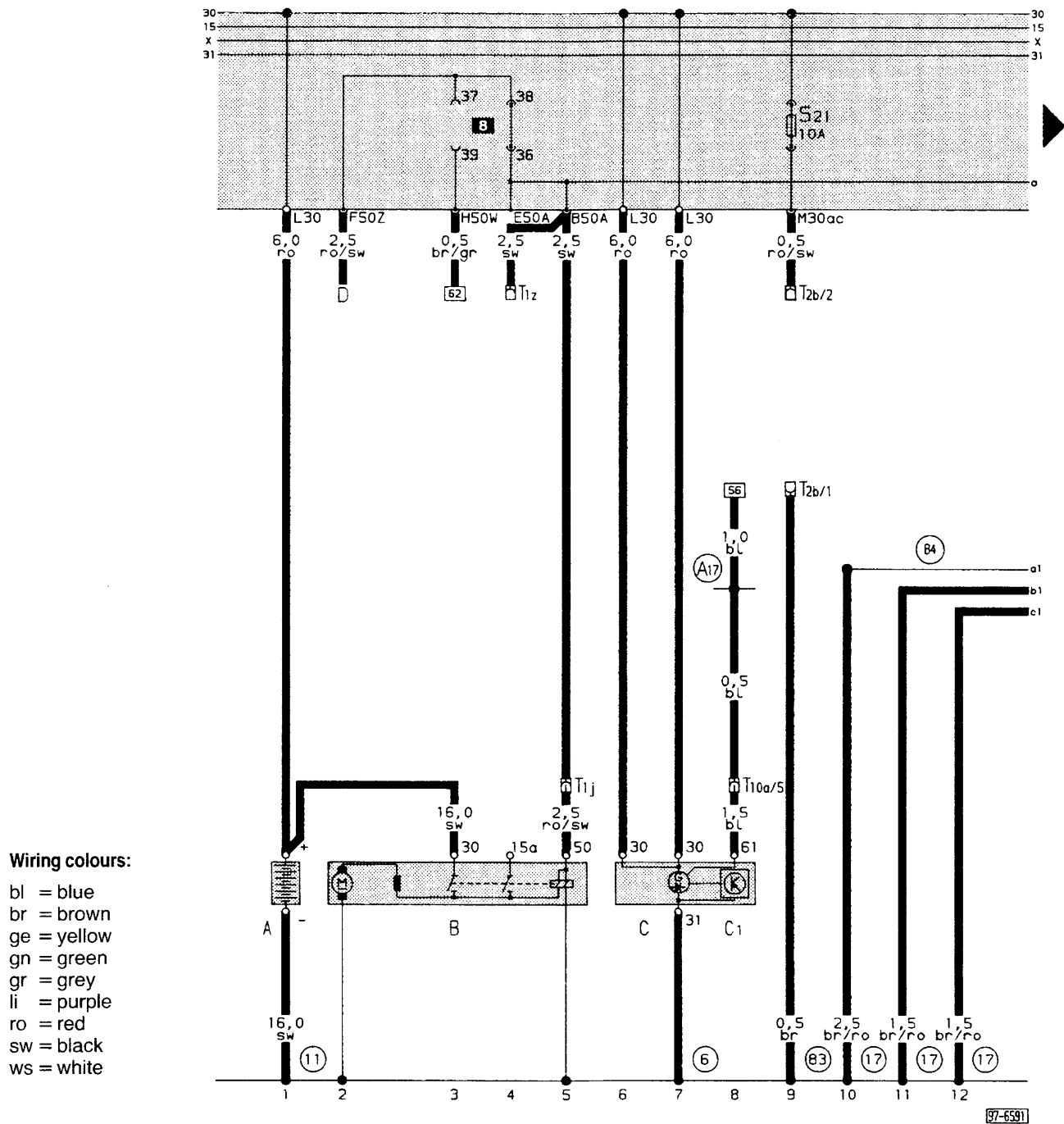


- | | |
|--|--|
| 1 - Fog light relay | 2 - Buzzer for side lights and radio |
| 2 - Radiator fan 2nd stage relay | 6 - Oil pressure warning control unit |
| 3 - Control unit for fan run-on | |
| 5 - Relief relay for X contact | |
| 8 - Bridge connection with manual gearbox: relay with automatic gearbox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

Fuse colours

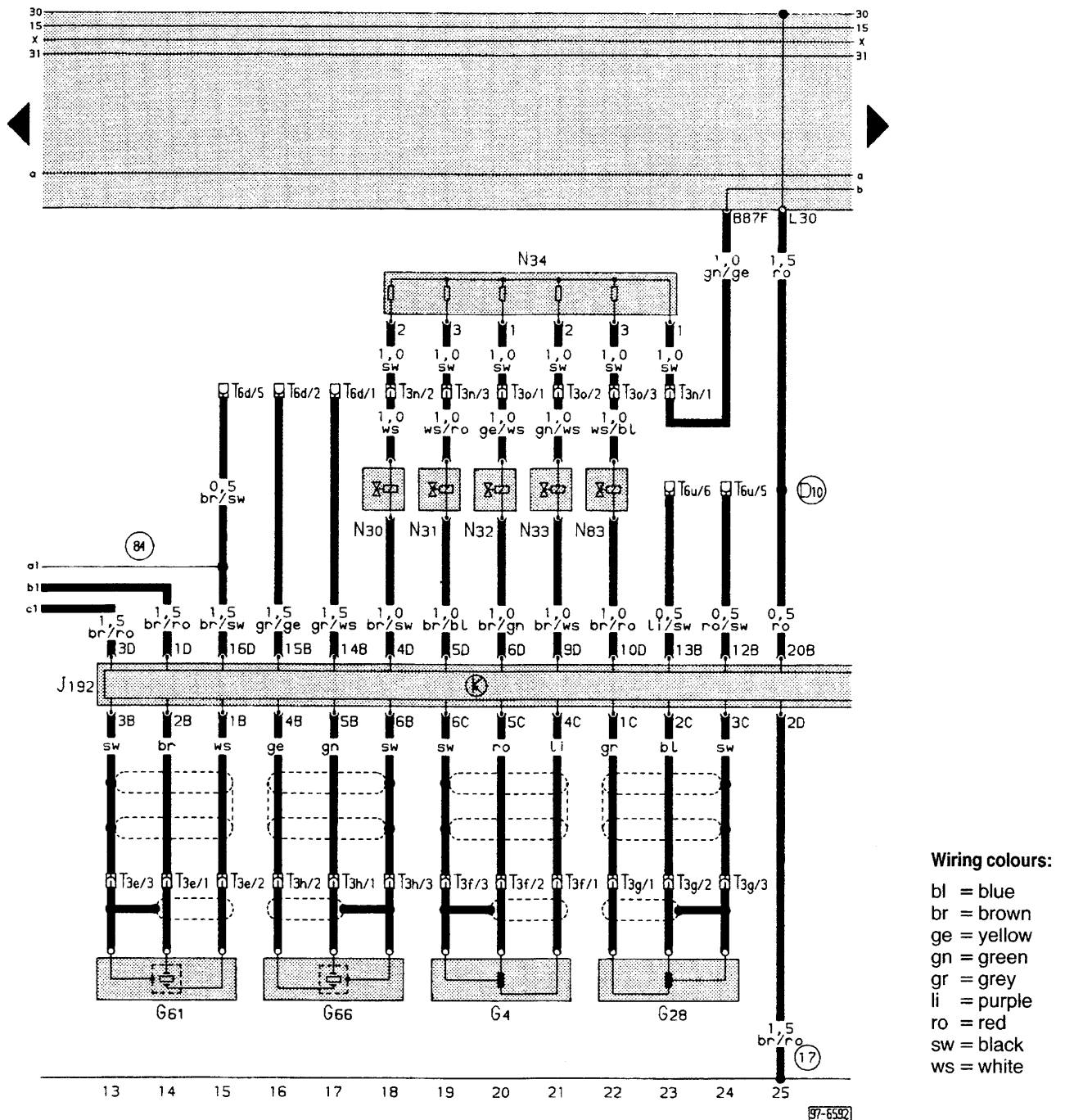
- 30 A - green
- 25 A - colourless (white)
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 5 A - light brown

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 1z – Connector single, red, behind dash panel, left
- 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
- ⑧⑦ – Connection (61), in dash panel wiring loom

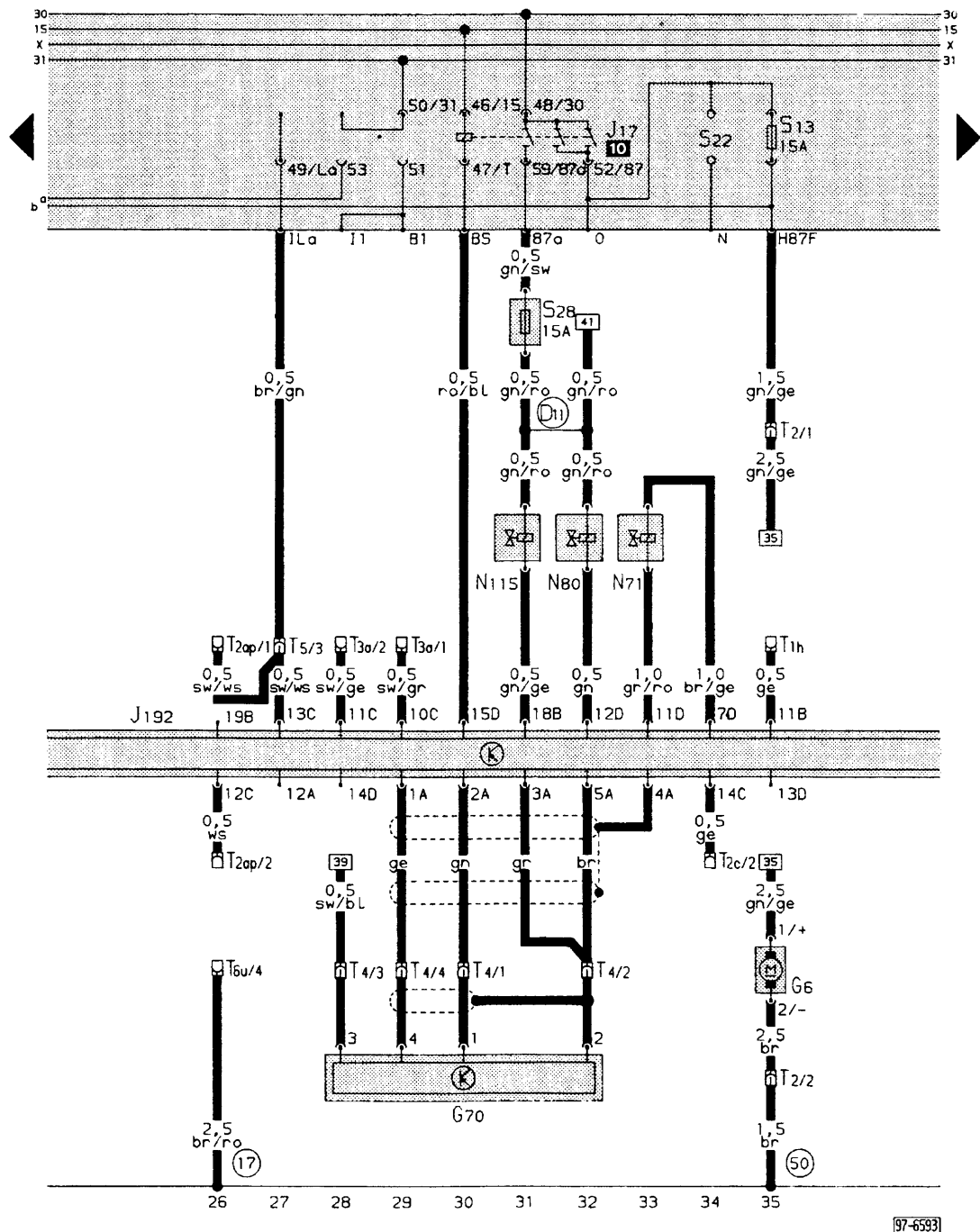
Electronic fuel injection



- 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 34 – Series resistance for injectors
- N 83 – Injector, cylinder 5
- 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
- T 6d – Connector 6 pin, black, behind dash panel
- T 6u – Connector 6 pin, black, behind dash panel
- (17) – Earth point, on intake manifold
- (84) – Earth connection, engine block, in front right wiring loom
- (D10) – Positive (+) connection (30) in front right wiring loom

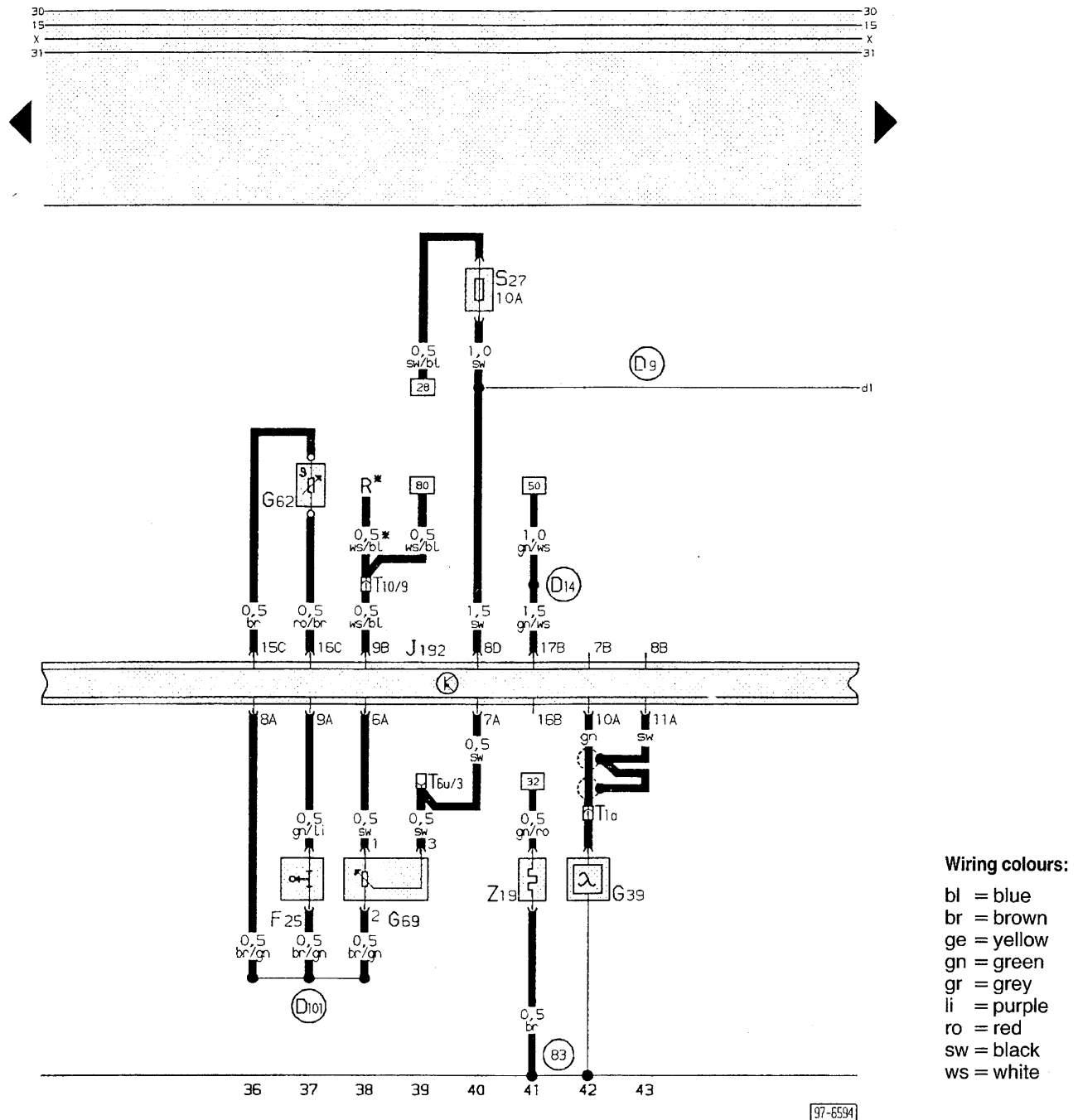
Electronic fuel injection, fuel pump relay, fuel pump



- G 6 – Fuel pump
- G 70 – Air mass meter
- J 17 – Fuel pump relay
- J 192 – Multi-point injection control unit
- N 71 – Idling speed stabilization valve
- N 80 – Activated charcoal filter system solenoid valve I (pulsed)
- N 115 – Activated charcoal filter system solenoid valve 2 (cut-off valve)
- S 28 – Fuse in additional fuse holder (engine systems II – for lambda control)
- T 1h – Connector single, yellow, behind dash panel, left
- T 2 – Connector 2 pin, under rear seat, left
- T 2c – Connector 2 pin, blue, under dash panel (diagnosis plug)
- T 2ap – Connector 2 pin, brown under dash panel (diagnosis plug)
- T 3a – Connector 3 pin, red, behind dash panel

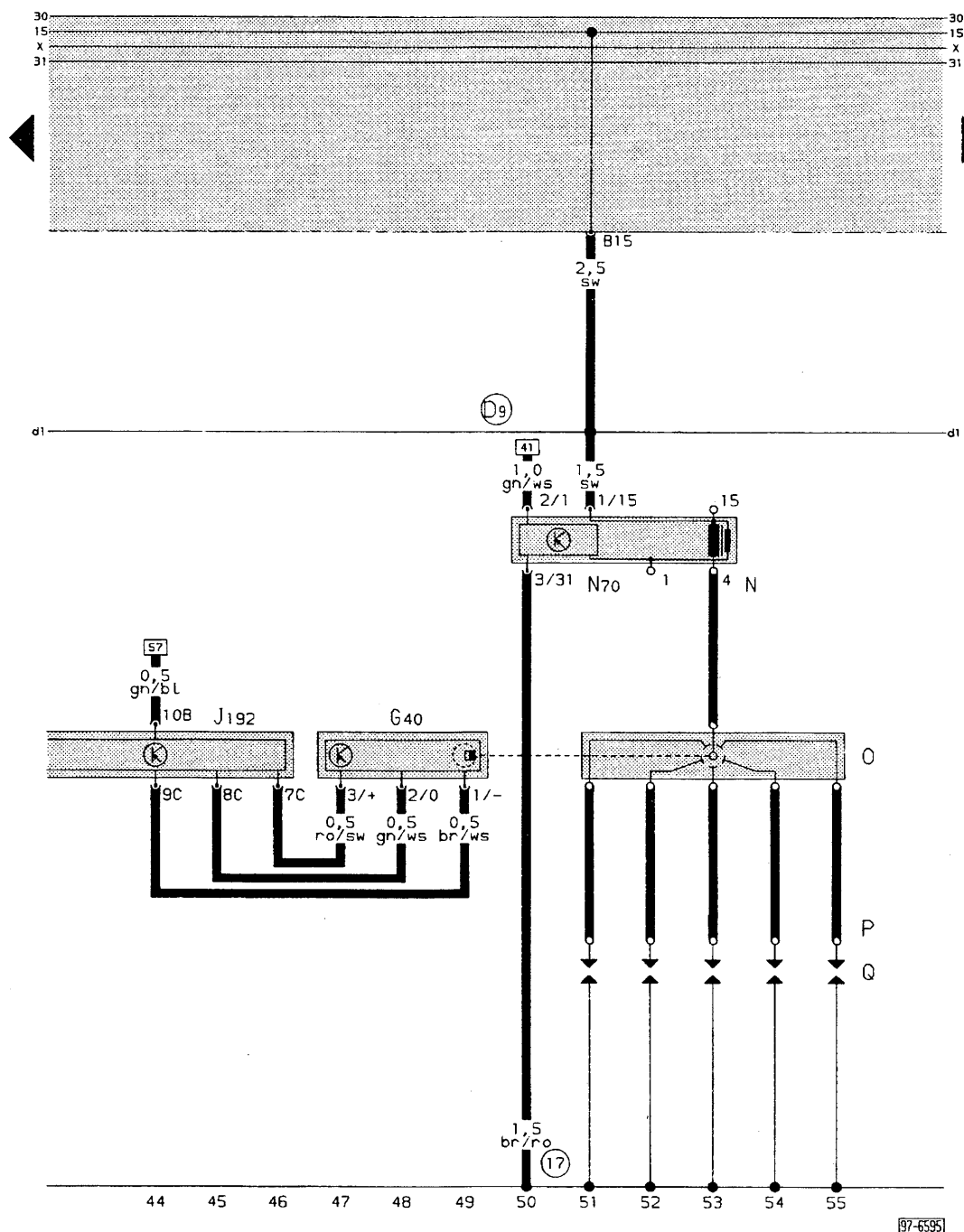
- T 4 – Connector 4 pin, black, in engine compartment, right
- T 5 – Connector 5 pin, black, connector point in aux. relay carrier
- T 6u – Connector 6 pin, black, behind dash panel
- (17) – Earth point, on intake manifold
- (50) – Earth point, luggage boot, left
- (D11) – Positive (+) connection (15) via fuse 28 in front right wiring loom

Electronic fuel injection, lambda probe



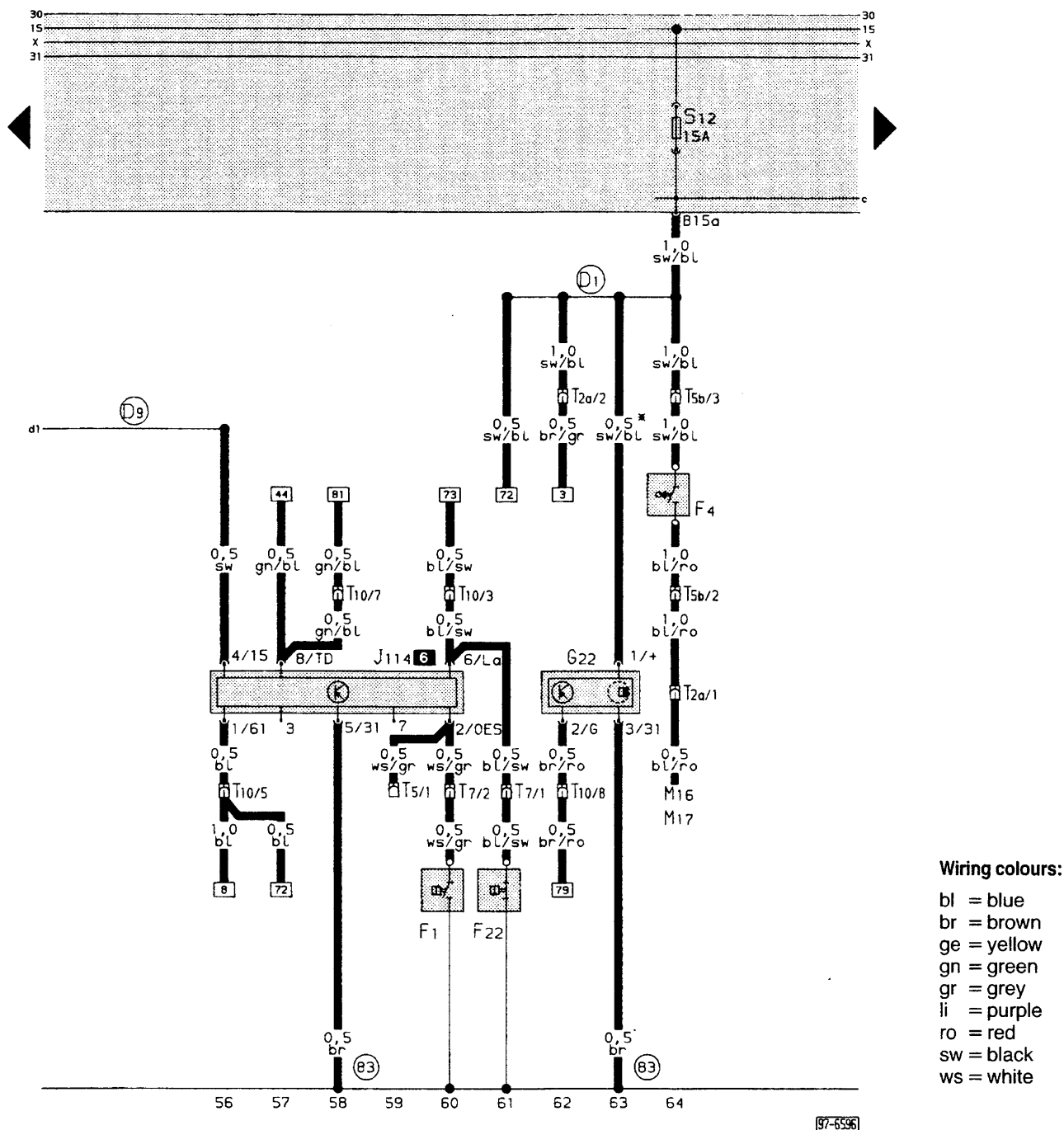
- F 25 – Throttle valve switch (for enrichment also)
- G 39 – Lambda probe
- G 62 – Sender for coolant temperature
- G 69 – Throttle valve potentiometer
- J 192 – Multi-point injection control unit
- R – Connection for radio
- S 27 – Fuse in additional fuse holder (engine systems I – for electronic ignition)
- T 1a – Connector single, in engine compartment, right
- T 6u – 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
- ⓑ – Earth connection – 1 –, in front right wiring loom
- ⓓ9 – Positive (+) connection (15) via fuse 27 in front right wiring loom
- ⓓ14 – Connection (ignition coil – control unit), in front right wiring loom
- ⓓ101 – Connection – 1 –, in engine compartment wiring loom
- * – only with preparation for radio installation

Electronic fuel injection, ignition system



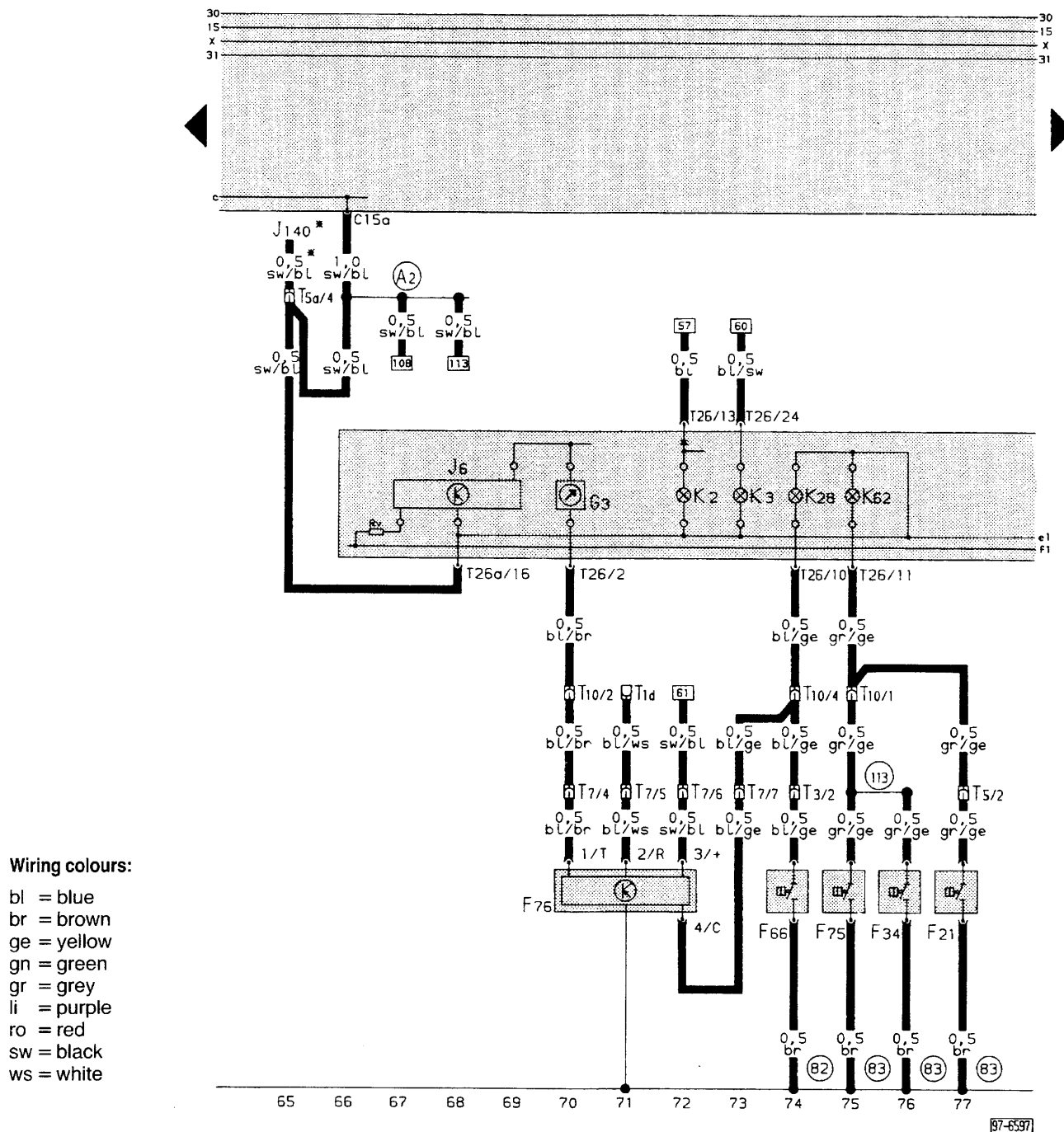
- G 40 – Hall sender
- J 192 – Multi-point injection control unit
- N – Ignition coil
- N 70 – Coil with power end stage
- O – Ignition distributor
- P – Spark plug connector
- Q – Spark plugs
- (17) – Earth point, on intake manifold
- (15) – Positive (+) connection (15) via fuse 27 in front right wiring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

Visual and acoustic oil pressure warning, 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

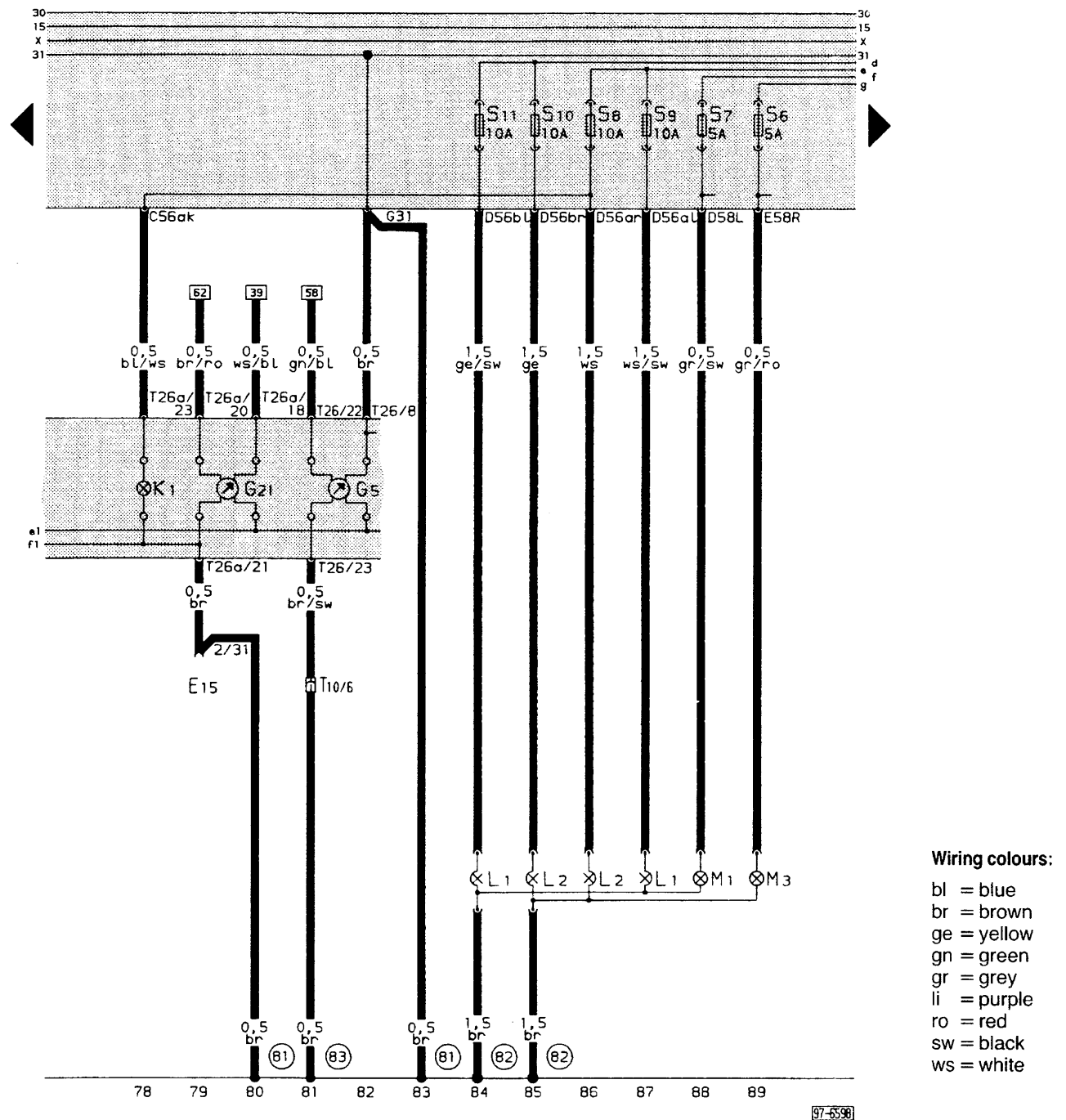
Dash panel insert, coolant monitor



- F 21 – Hydraulic brake servo unit warning switch
- F 34 – Brake fluid level warning contact
- F 66 – Coolant shortage indicator switch
- F 75 – Hydraulic fluid warning contact
- F 76 – Electronic thermoswitch
- G 3 – Coolant temperature gauge
- J 6 – Voltage stabilizer
- J 140 – Switch unit for interior light delay
- K 2 – Alternator warning lamp
- K 3 – Oil pressure warning lamp
- K 28 – Warning lamp for coolant temperature/coolant shortage
- K 62 – Warning lamp for brake fluid level/hydraulic fluid level and hydraulic pressure
- 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

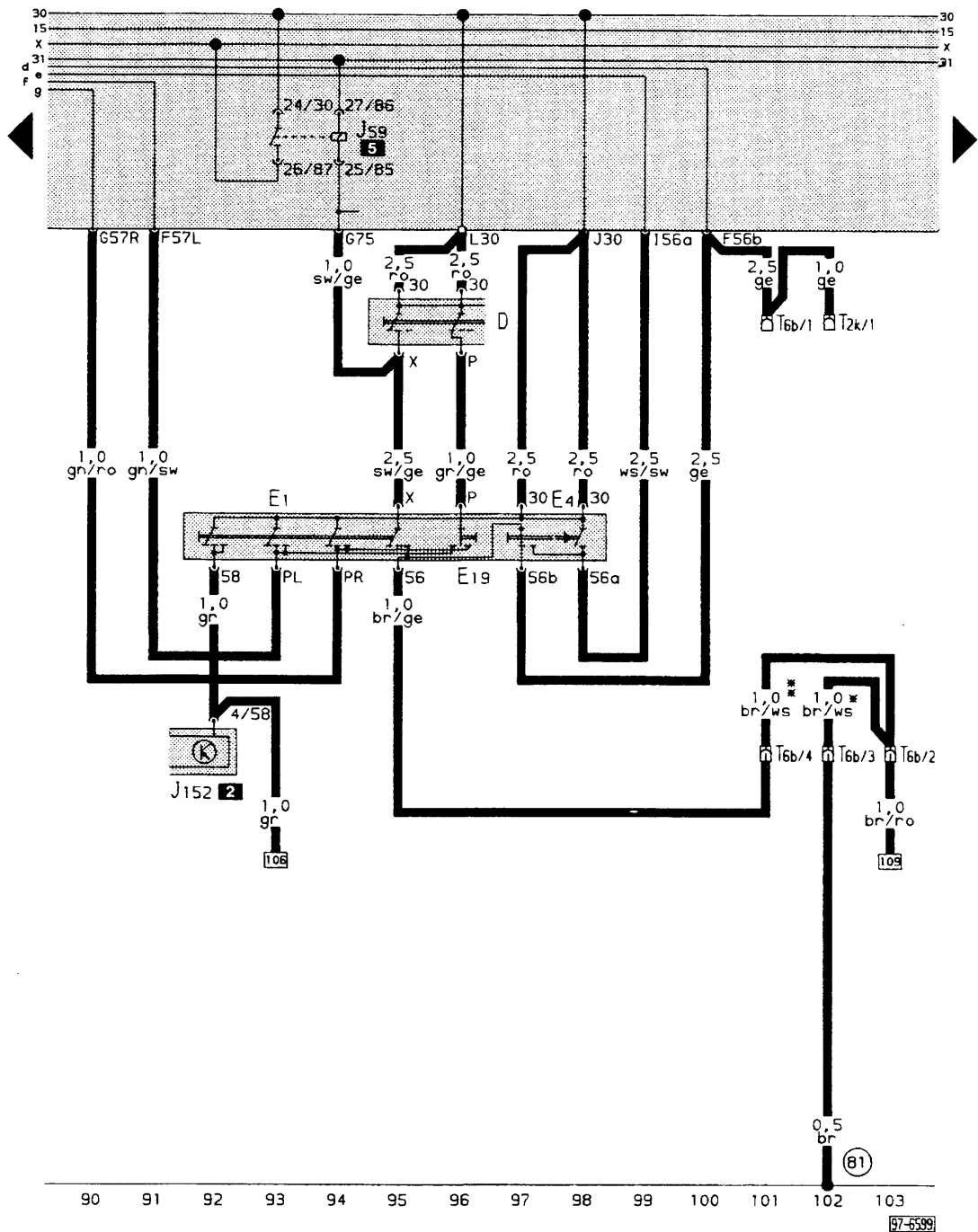
- T 5a – Connector 5 pin, brown, connector point in aux. relay carrier
- T 7 – Connector 7 pin, in engine compartment, right
- T 10 – Connector 10 pin, black, connector point in aux. relay carrier
- T 26 – Connector 26 pin, yellow, on dash panel insert
- T 26a – Connector 26 pin, blue, on dash panel insert
- 82 – Earth connection – 1 –, in front left wiring loom
- 83 – Earth connection – 1 –, in front right wiring loom
- 113 – Earth connection (sender – brake system/steering) in front right wiring loom
- A2 – Positive (+) connection (15a), in dash panel wiring loom
- * – only with interior light with delay feature

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



- E 15 – Heated rear window switch
- G 5 – Rev. counter
- G 21 – Speedometer
- K 1 – Main beam warning lamp
- 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
- 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

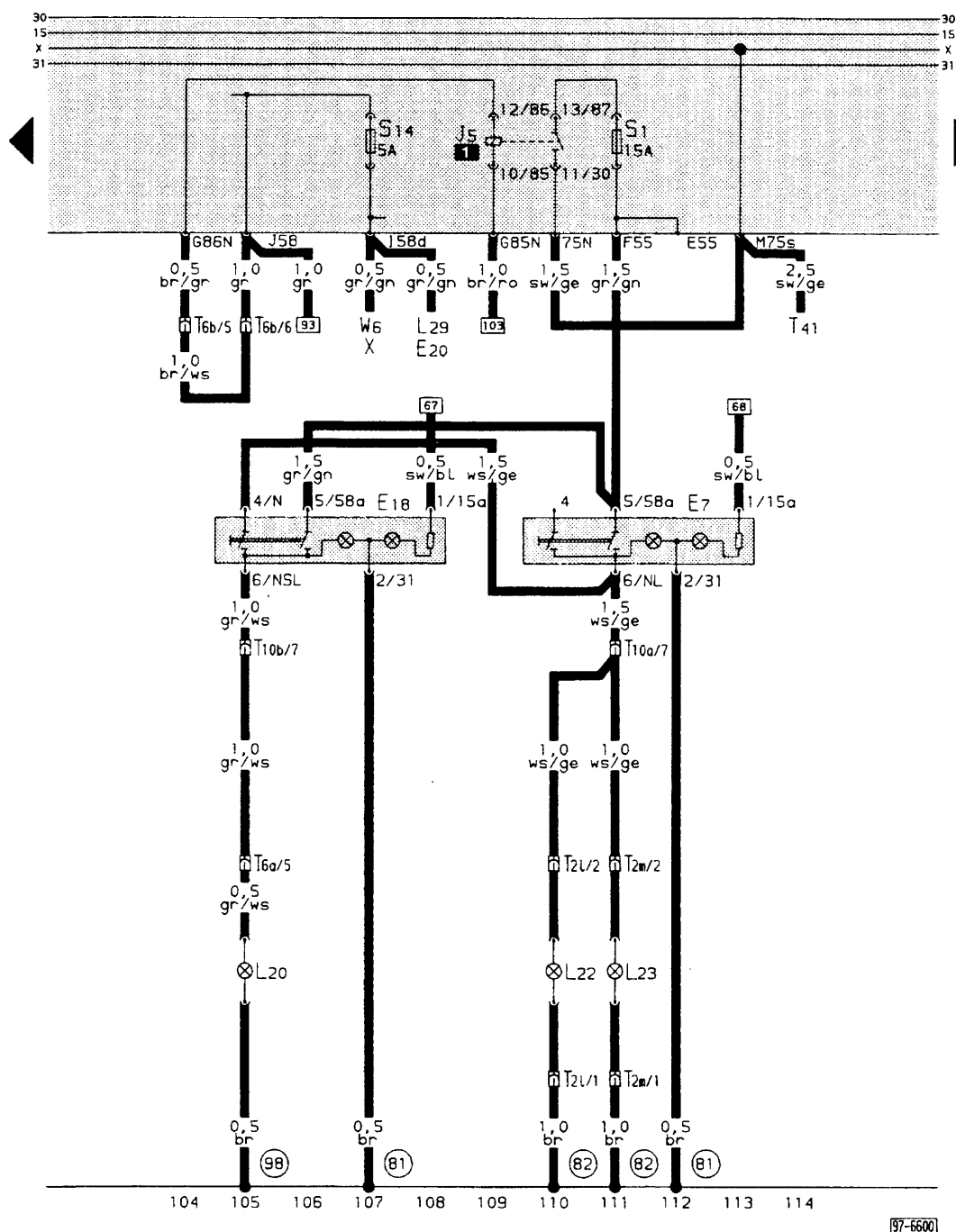
Lighting switch, headlight dipper/flasher switch



- 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 fog lights, behind dash panel, left
- ⑧1 – Earth connection – 1 –, in dash panel wiring loom
- * – Switzerland, Finland, EC countries, standard (wired together with side lights, dipped headlights and main beams)
- ** – 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

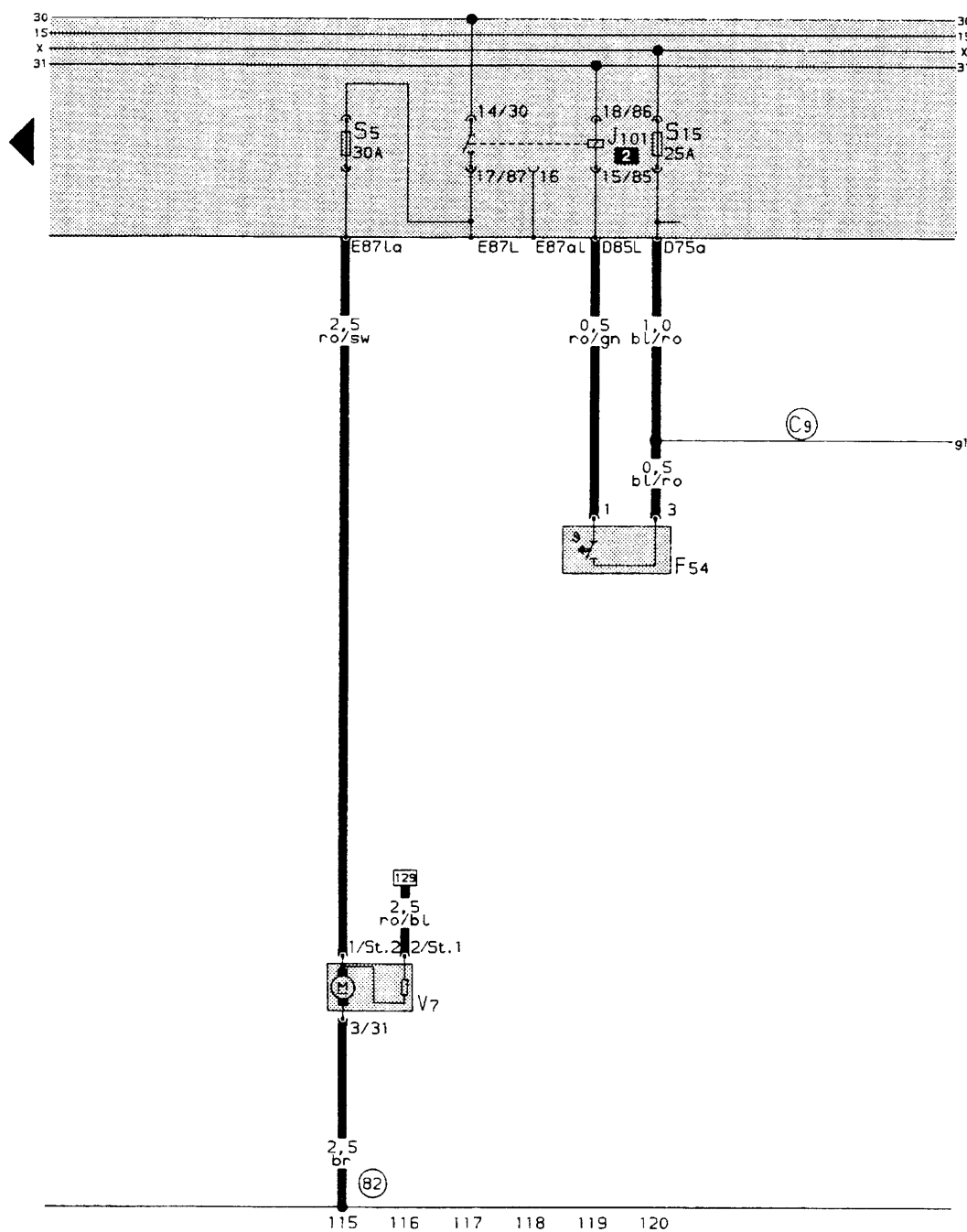


- E 7 – Fog light switch
- E 18 – Rear fog light switch
- E 20 – Switches and instruments – lighting control
- J 5 – Fog light relay
- L 20 – Rear fog light bulb
- L 22 – Fog light bulb, left
- L 23 – Fog light bulb, right
- L 29 – Engine compartment light bulb
- T 21 – Connector 2 pin, in engine compartment, 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 fog lights 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



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

J 101 – Radiator fan 2nd stage relay

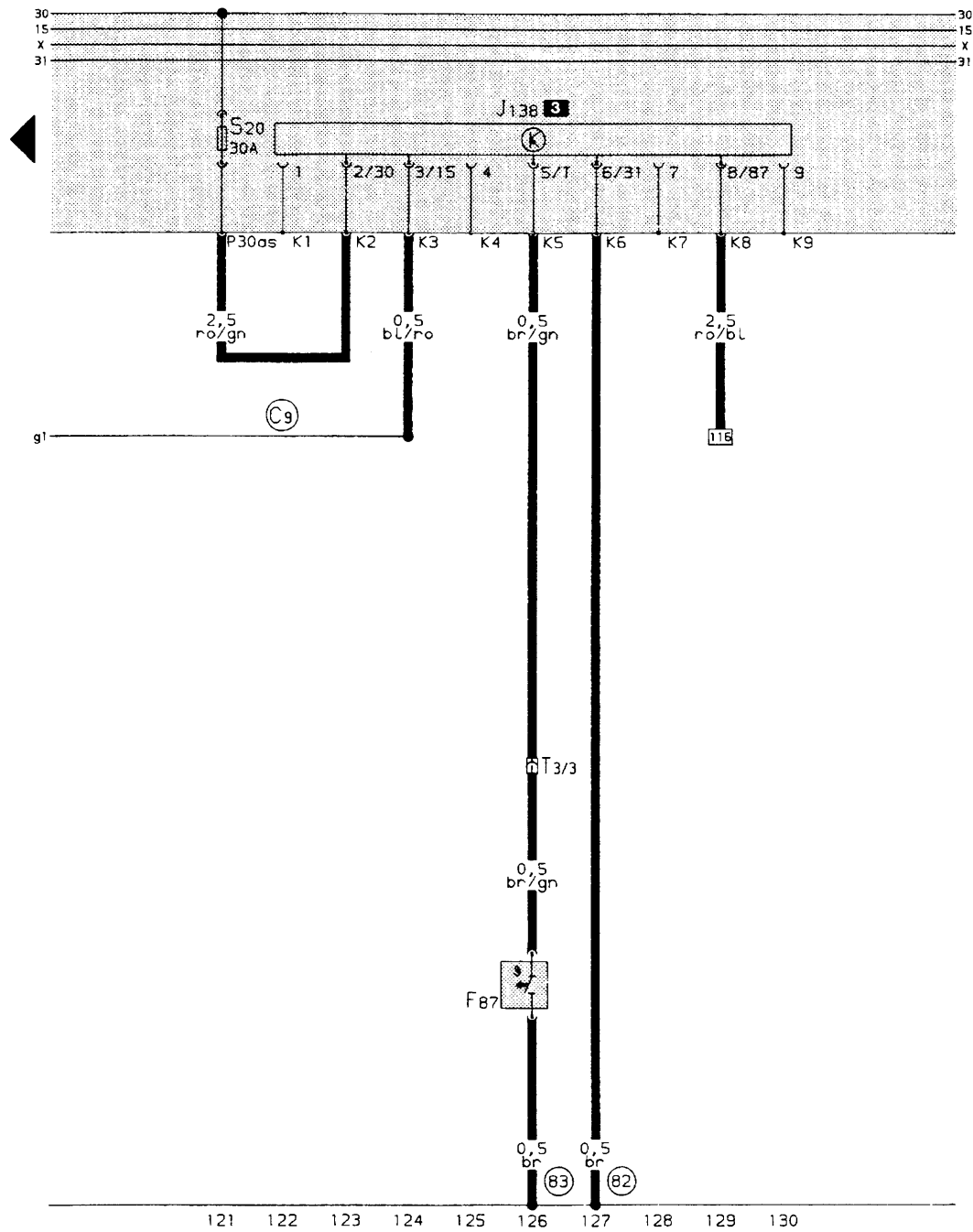
V 7 – Radiator fan

⑧② – Earth connection – 1 –, in front left wiring loom

⑨ – Positive (+) connection (75a), in front left wiring loom

97-6601

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