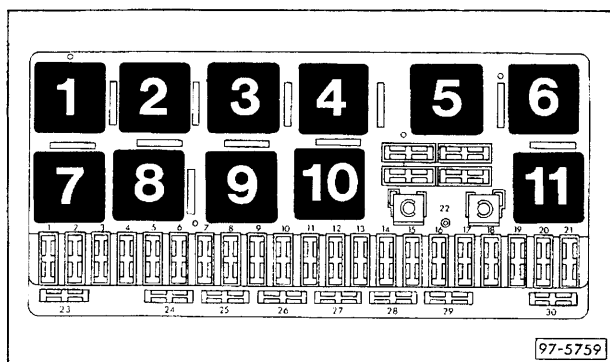


Audi Coupé (2.2 litre fuel injection engine, 162 kW, Motronic (4-Valve/Turbo), 5-cylinder) – S2 – Engine Code Letters 3B

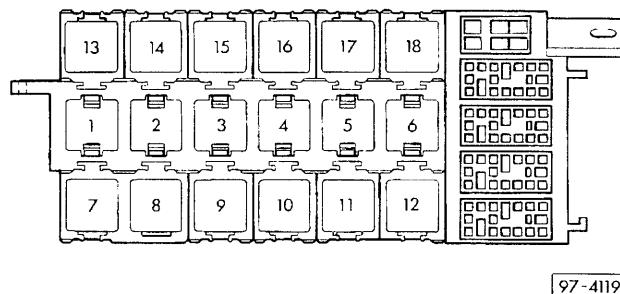
from October 1990

Positions of relays:
also see "Fitting Locations"

Relay plate with fuse holder:



Auxiliary relay carrier:

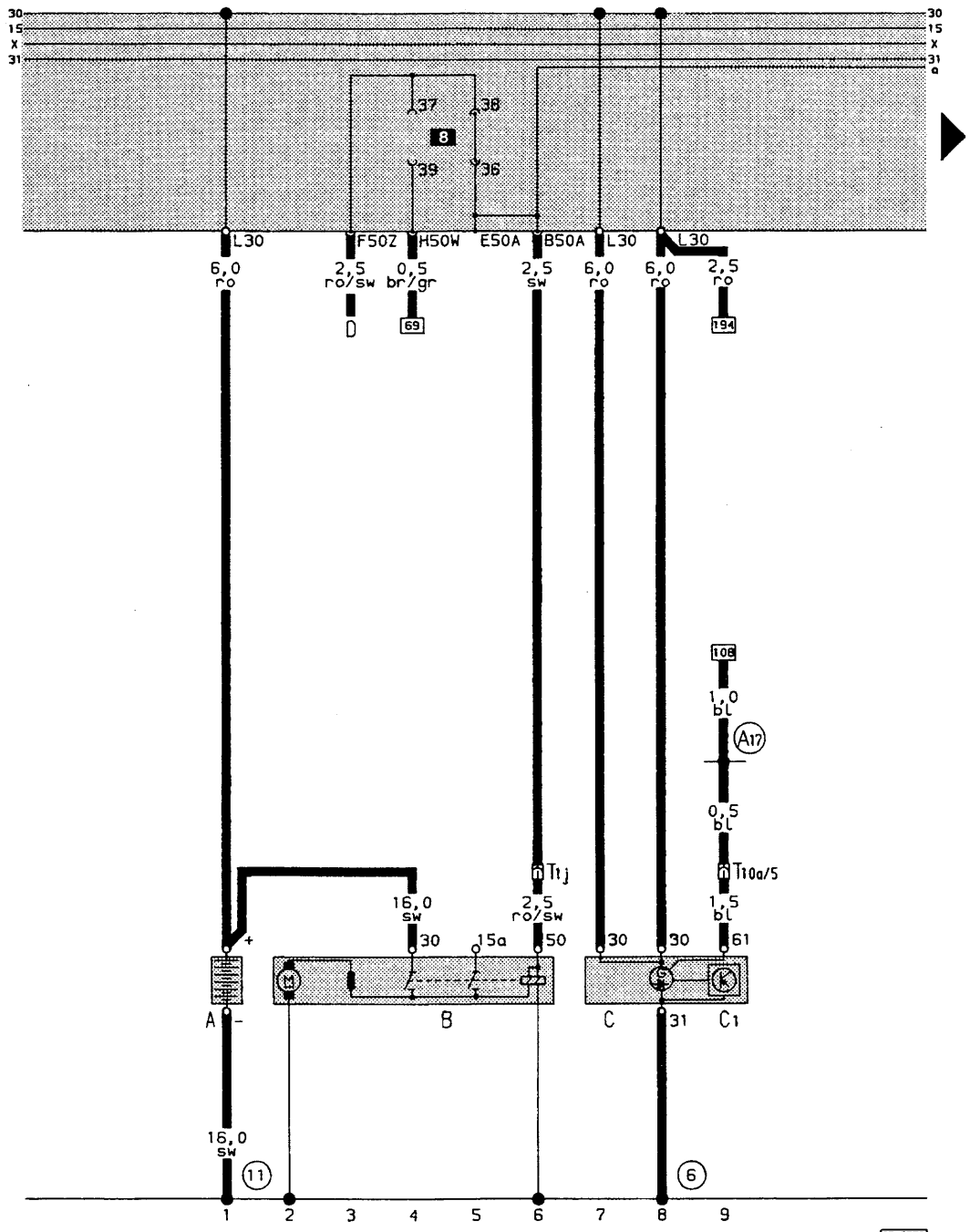


- | | |
|--|--|
| 1 – Fog light relay | 2 – Buzzer for side lights and radio |
| 2 – Vacant | 6 – Bulb monitoring device, front |
| 3 – Control unit for fan run-on | 12 – Control unit for coolant pump/turbocharger |
| 5 – Relief relay for X contact | |
| 6 – Radiator fan 2nd stage relay | |
| 8 – Bridge connection for manual gearbox/Relay for anti-theft alarm | |
| 10 – Fuel pump relay | |
| 11 – Radiator fan 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



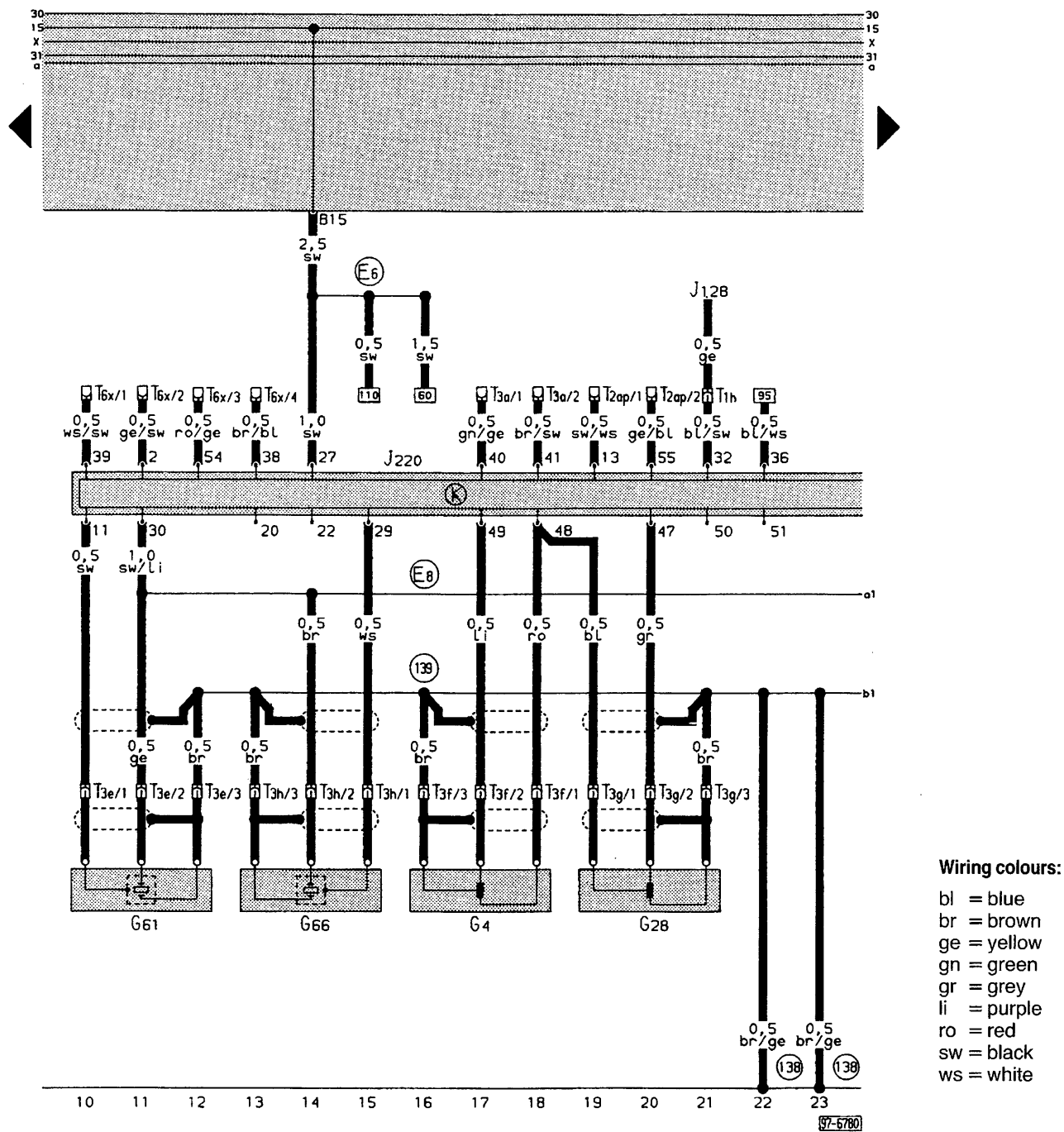
Wiring colours:

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

- A – Battery (underneath rear seat, left)
- B – Starter
- C – Alternator
- C 1 – Voltage regulator
- D – Ignition/starter switch
- T 1j – Connector single, on bulkhead, right
- T 10a – Connector 10 pin, yellow, connector point in aux. relay carrier
- (6) – Earthing strap, engine – alternator
- (11) – Earth point, screw-mounted on battery box
- (A17) – Connection (61), in dash panel wiring loom

97-579

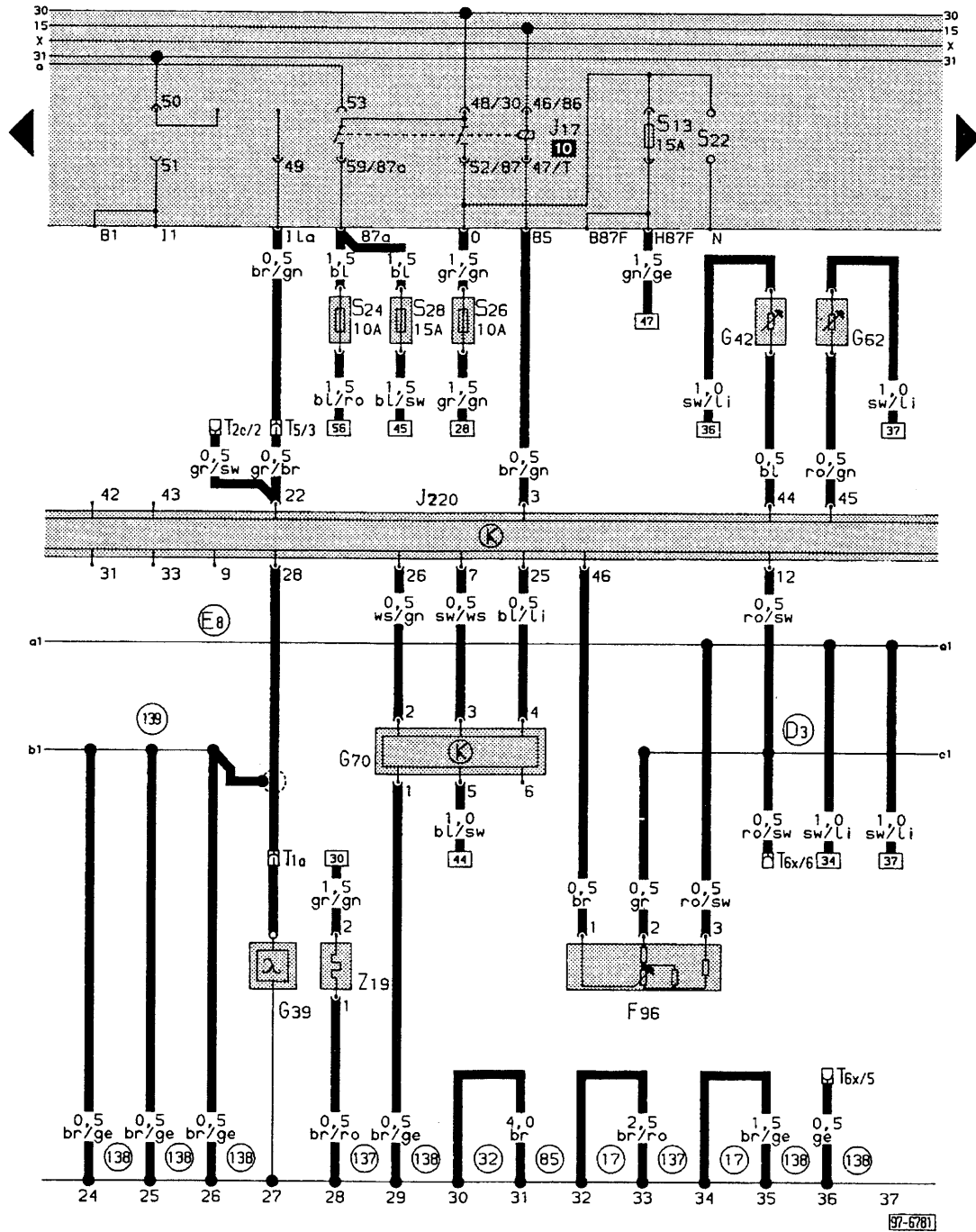
Electronic fuel injection



- G 4 – Firing point sender
- G 28 – Engine speed sender
- G 61 – Knock sensor I
- G 66 – Knock sensor II
- J 128 – Indicator unit with computer
- J 220 – Control unit for Motronic
- T 1h – Connector single, yellow, behind dash panel, left
- T 2ap – Connector 2 pin, brown, behind dash panel (diagnosis plug)
- T 3a – Connector 3 pin, red, behind dash panel
- 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 6x – Connector 6 pin, behind dash panel
- ⓔ6 – Earth connection (electronics), in Motronic wiring loom
- ⓔ8 – Earth connection (sender earth), in Motronic wiring loom
- ⓔ6 – Positive connection – 1 – (15), in Motronic wiring loom
- ⓔ8 – Connection (screening), in Motronic wiring loom

Electronic fuel injection, fuel pump relay, lambda probe

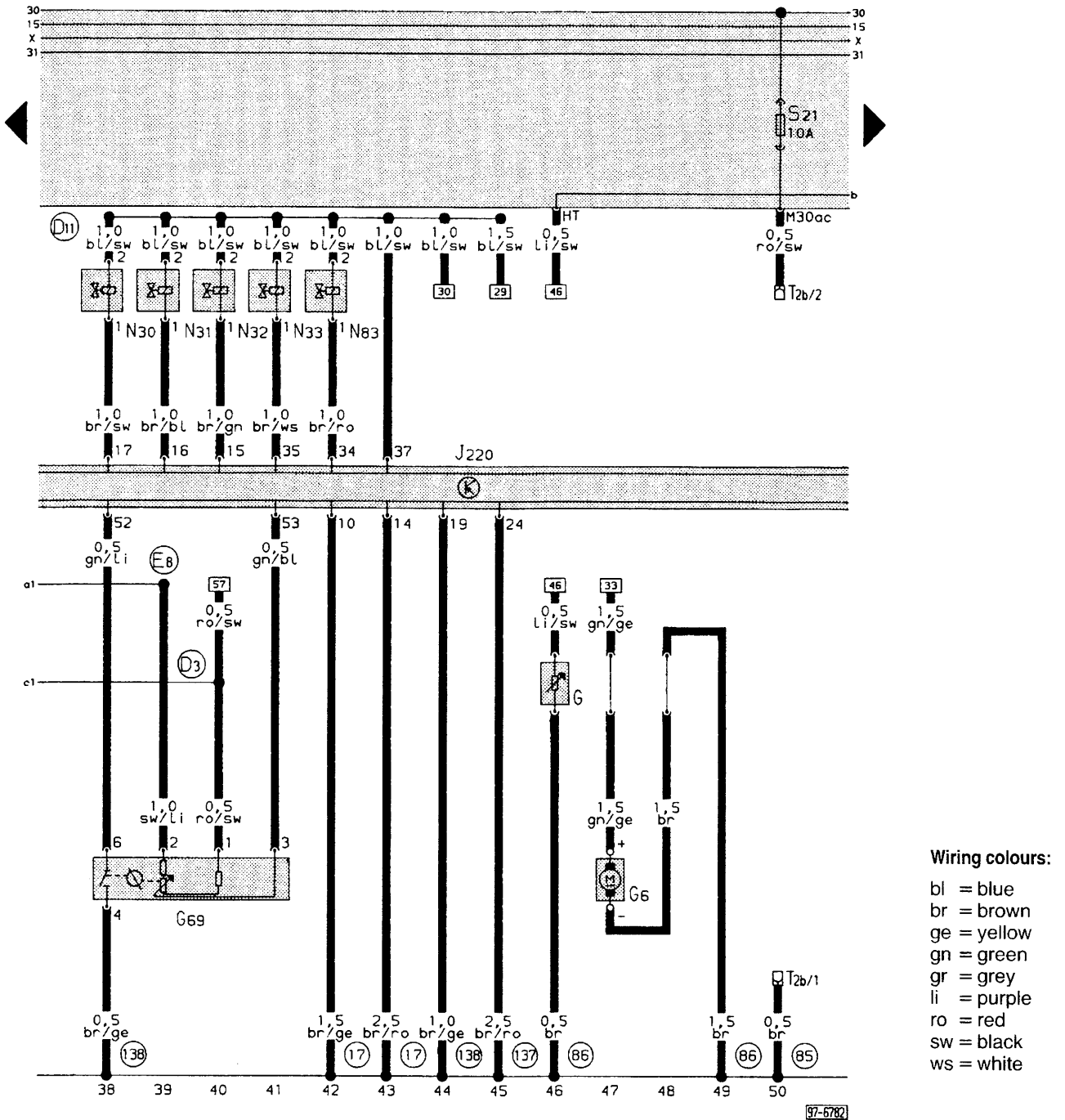


Wiring colours:

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

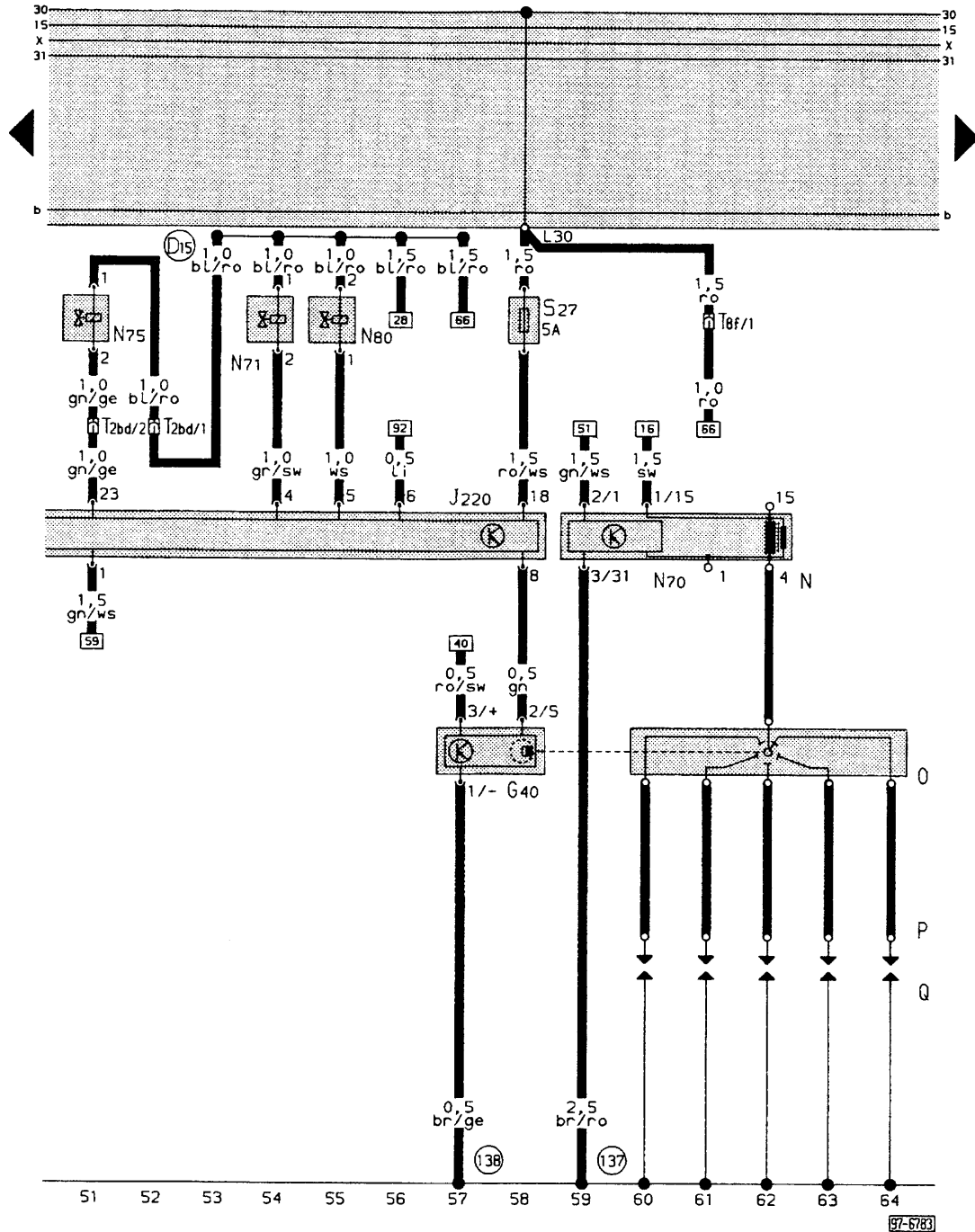
- F 96 – Altitude sender (on right-hand A-pillar, inner)
- G 39 – Lambda probe with heater
- G 42 – Intake air temperature sender
- G 62 – Sender for coolant temperature (engine systems)
- G 70 – Air mass meter
- J 17 – Fuel pump relay
- J 220 – Control unit for motronic (behind heater, right)
- S 24 – Fuse in additional fuse holder (engine systems II)
- S 26 – Fuse in additional fuse holder (lambda probe)
- S 28 – Fuse in additional fuse holder (engine systems I)
- T 1a – Connector single, in engine compartment, right
- T 2c – Connector 2 pin, blue, behind dash panel, (diagnosis plug)
- T 5 – Connector 5 pin, black, connector point in aux. relay carrier
- T 6x – Connector 6 pin, behind dash panel
- Z 19 – Heating for Lambda probe
- Ⓐ – Earth point, on intake manifold
- Ⓑ – Earth point, behind dash panel, left
- Ⓒ – Earth connection – 1 –, in engine compartment wiring loom
- Ⓓ – Earth connection (end stage), in motronic wiring loom
- Ⓔ – Earth connection (electronic), in motronic wiring loom
- Ⓕ – Earth connection (sender earth), in motronic wiring loom
- Ⓖ – Connection (sender for consumption indicator, 5 V) in front right wiring loom
- Ⓗ – Connection (screening), in motronic wiring loom

Electronic fuel injection, fuel pump



- | | | | |
|-------|---|-------|--|
| G | - Fuel gauge sender | (138) | - Earth connection (electronic), in motronic wiring loom |
| G 6 | - Fuel pump | (D3) | - Connection (sender for consumption indicator 5 V) in front right wiring loom |
| G 69 | - Throttle valve potentiometer | (D11) | - Positive (+) connection (15) via fuse 28 in front right wiring loom |
| J 220 | - Control unit for motronic (behind heater, right) | (E8) | - Connection (screening), in motronic wiring loom |
| 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 | | |
| T 2b | - Connector 2 pin, black, behind dash panel, (diagnosis plug) | | |
| (17) | - Earth point, on intake manifold | | |
| (85) | - Earth connection - 1 -, in engine compartment wiring loom | | |
| (86) | - Earth connection - 1 -, in rear wiring loom | | |
| (137) | - Earth connection (end stage), in motronic wiring loom | | |

Electronic fuel injection, ignition

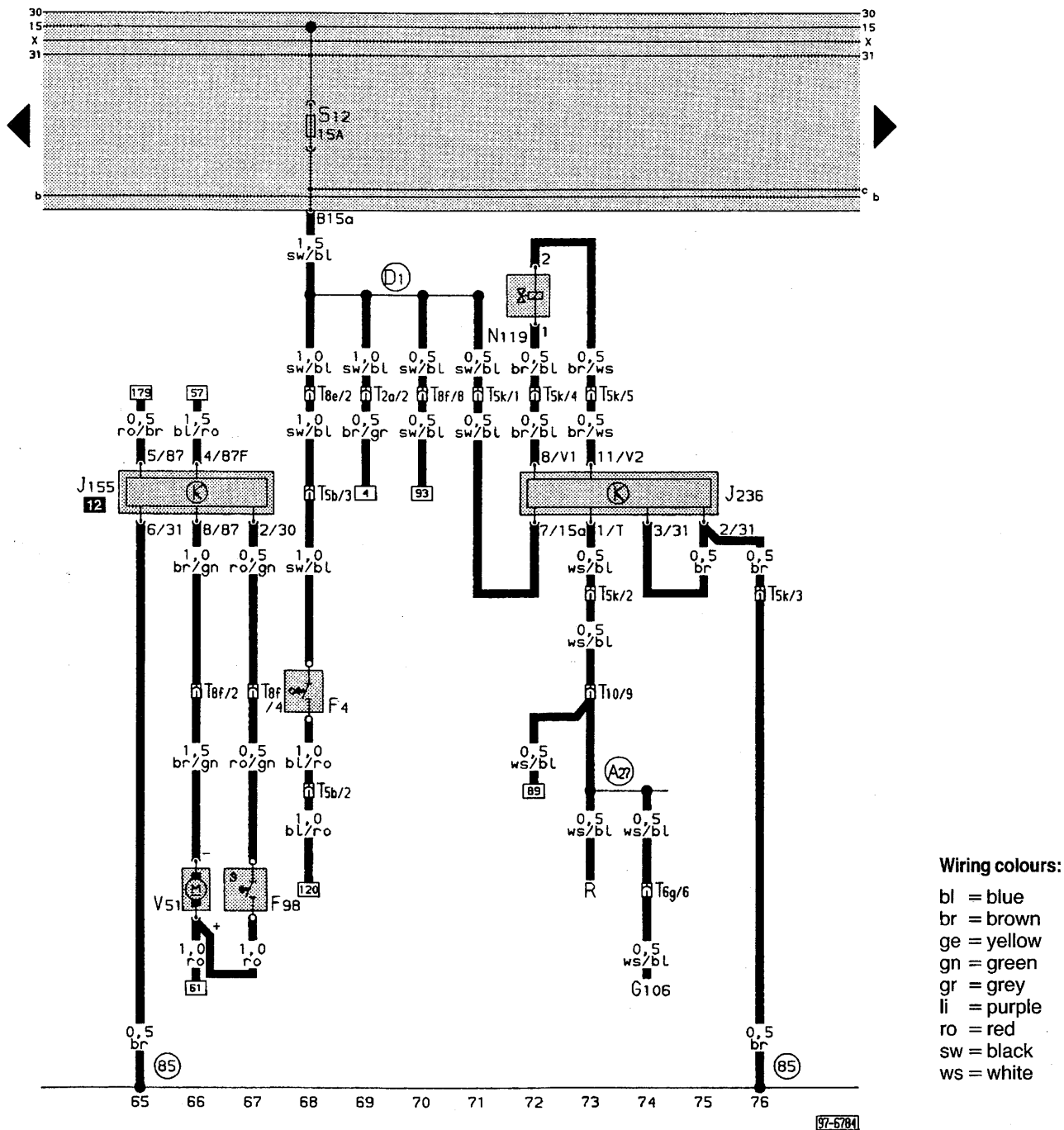


Wiring colours:

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

- G 40 – Hall sender
- J 220 – Control unit for motronic (behind heater, right)
- N – Ignition coil
- N 70 – Coil with final output stage
- N 71 – Idling speed stabilization valve
- N 75 – Solenoid valve for boost pressure control
- N 80 – Activated charcoal filter system solenoid valve I (pulsed)
- O – Ignition distributor
- P – Spark plug connector
- Q – Spark plugs
- S 27 – Fuse for Motronic (auxiliary fuse box)
- T 2bd – Connector 2 pin, grey, in engine compartment, right
- T 8f – Connector 8 pin, brown, in engine compartment, right
- (137) – Earth connection (end stage), in motronic wiring loom
- (138) – Earth connection (electronic), in motronic wiring loom
- (15) – Positive connection (15a) via fuse 25, in front right wiring loom

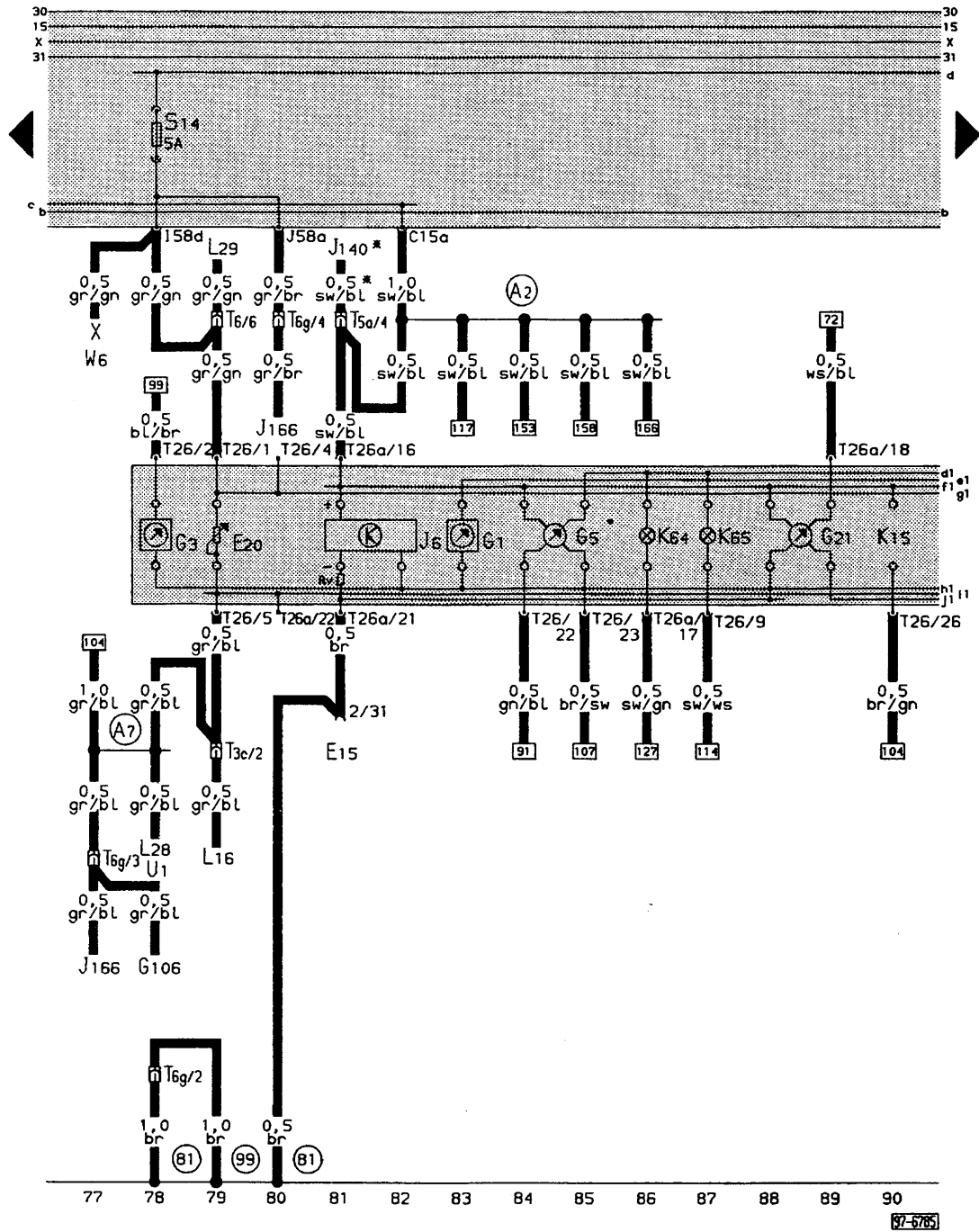
Servotronic, coolant pump



- F 4 – Reversing light switch
- F 98 – Thermoswitch for coolant pump/turbocharger
- G 106 – Ambient temperature indicator
- J 155 – Switch unit for coolant pump/turbocharger
- J 236 – Servotronic control unit
- N 119 – Servotronic solenoid valve
- R – Connection for radio
- T 2a – Connector 2 pin, white, behind dash panel, left
- T 5b – Connector 5 pin, in engine compartment, left
- T 5k – Connector 5 pin, green, behind dash panel
- T 6g – Connector 6 pin, white, behind dash panel
- T 8e – Connector 8 pin, black, in engine compartment, right
- T 8f – Connector 8 pin, brown, in engine compartment, right
- T 10 – Connector 10 pin, black, connector point in aux. relay carrier

- V 51 – Pump for coolant run-on
- Ⓟ – Earth connection – 1 –, in engine compartment wiring loom
- Ⓐ – Connection (speed signal), in dash panel wiring loom
- Ⓛ – Positive (+) connection (15a), in front right wiring loom

Dash panel insert, rev. counter, speedometer



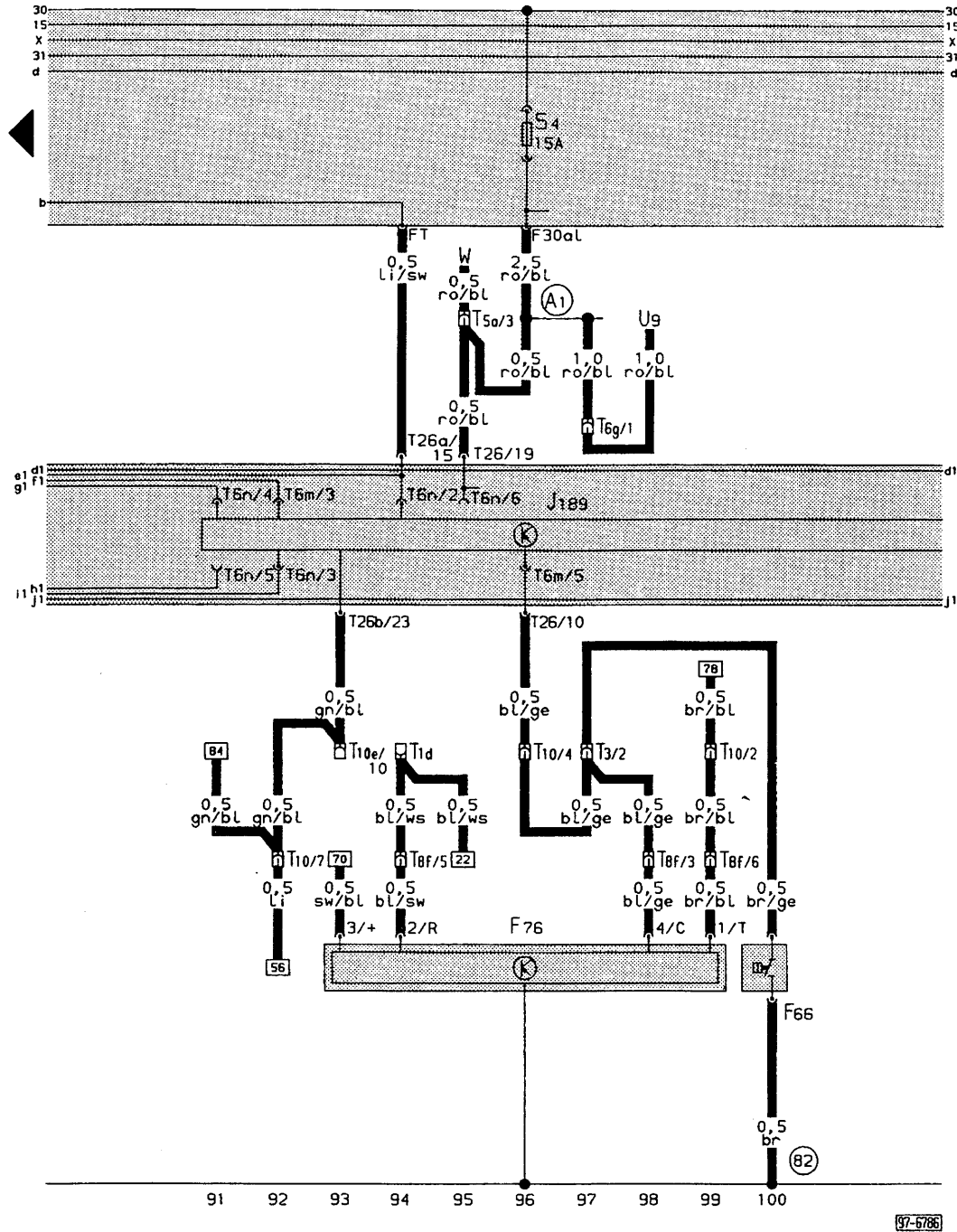
Wiring colours:

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

- E 15 – Heated rear window switch
- E 20 – Switches and instruments – lighting control
- G 1 – Fuel gauge
- G 3 – Coolant temperature gauge
- G 5 – Rev. counter
- G 21 – Speedometer
- G 106 – Ambient temperature indicator (on dash panel insert)
- J 6 – Voltage stabilizer
- J 140 – Switch unit for interior light delay
- J 166 – Instrument lighting amplifier (mounted behind console)
- K 15 – Cold start warning lamp (only on carburetter/diesel engines)
- K 64 – Emergency light and right turn signal warning lamp
- K 65 – Left turn signal warning lamp
- L 16 – Fresh air controls light bulb
- L 28 – Cigarette lighter light bulb
- L 29 – Engine compartment light bulb
- T 3c – Connector 3 pin, brown, behind dash panel, centre
- T 5a – Connector 5 pin, brown, connector point in aux. relay carrier
- T 6 – Connector 6 pin, black, connector point in aux. relay carrier

- T 6g – Connector 6 pin, white, behind dash panel
- T 26 – Connector 26 pin, yellow, dash panel insert
- T 26a – Connector 26 pin, blue, dash panel insert
- U 1 – Cigarette lighter
- W 6 – Glove box light
- X – Number plate light
- ⊖ – Earth connection – 1 –, in dash panel wiring loom
- ⊕ – Earth connection in wiring loom, console
- ⊕ – Positive (+) connection (15a), in dash panel wiring loom
- ⊕ – Positive (+) connection (58 D1), in dash panel wiring loom
- * – only with interior light delay feature

Auto-check system, coolant monitor



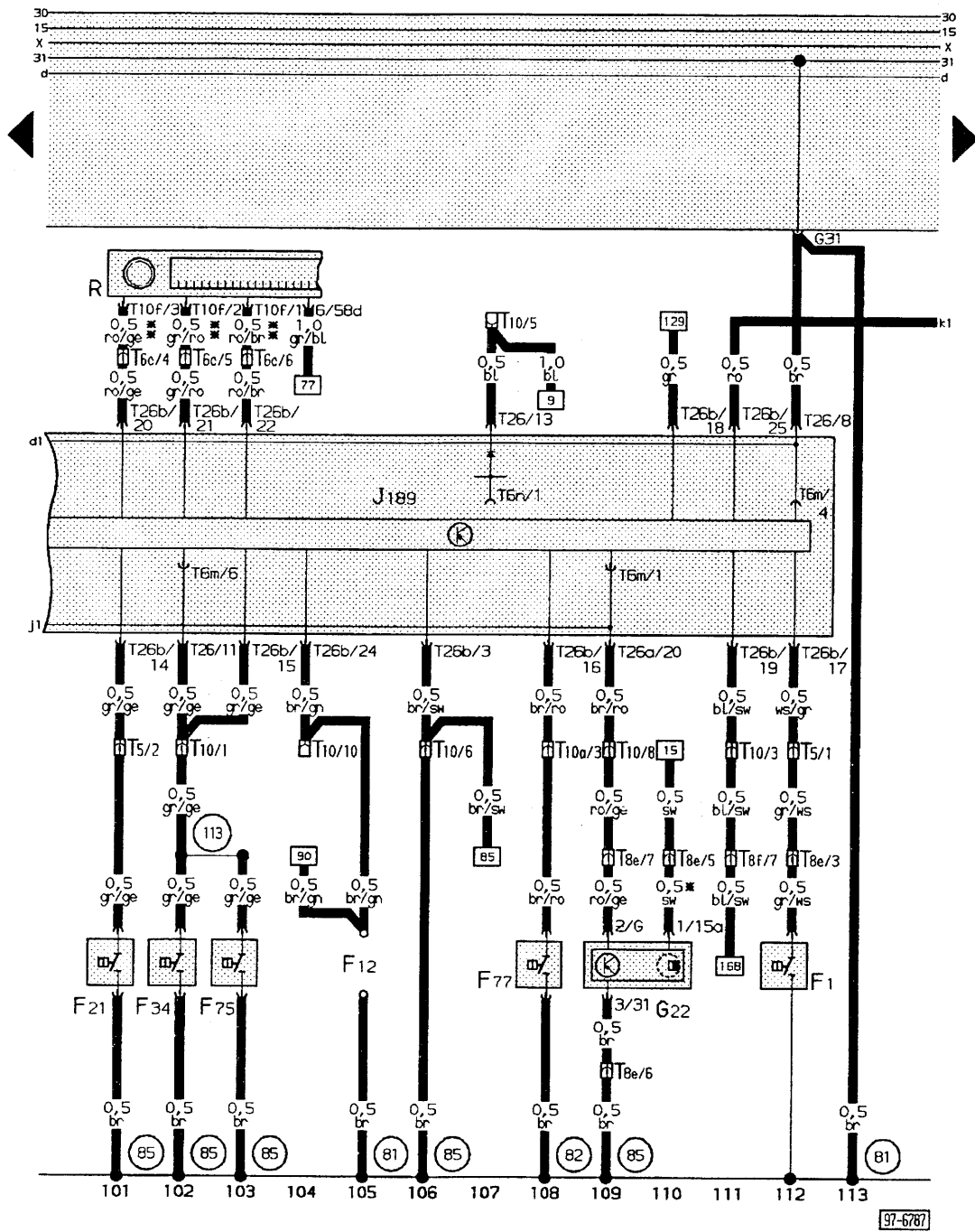
Wiring colours:

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

- F 66 – Coolant shortage indicator switch
- F 76 – Electronic thermoswitch
- J 189 – Auto-check system
- T 1d – Connector single, white, behind dash panel, left
- T 3 – Connector 3 pin, brown, behind dash panel, left
- T 5a – Connector 5 pin, brown, connector point in aux. relay carrier
- T 6g – Connector 6 pin, white, behind dash panel
- T 6m – Connector 6 pin, Auto-check system display unit
- T 6n – Connector 6 pin, Auto-check system display unit
- T 8f – Connector 8 pin, brown, in engine compartment, right
- T 10 – Connector 10 pin, black, connector point in aux. relay carrier
- T 10e – Connector 10 pin, blue, connector point in aux. relay carrier
- T 26 – Connector 26 pin, yellow, dash panel insert

- T 26a – Connector 26 pin, blue, dash panel insert
- T 26b – Connector 26 pin, white, dash panel insert, auto-check system display unit
- U 9 – Cigarette lighter, rear
- W – Interior light, front
- Ⓢ – Earth connection – 1 –, in front left wiring loom
- Ⓐ – Positive (+) connection (30a), in dash panel wiring loom

Auto-check system, speedometer



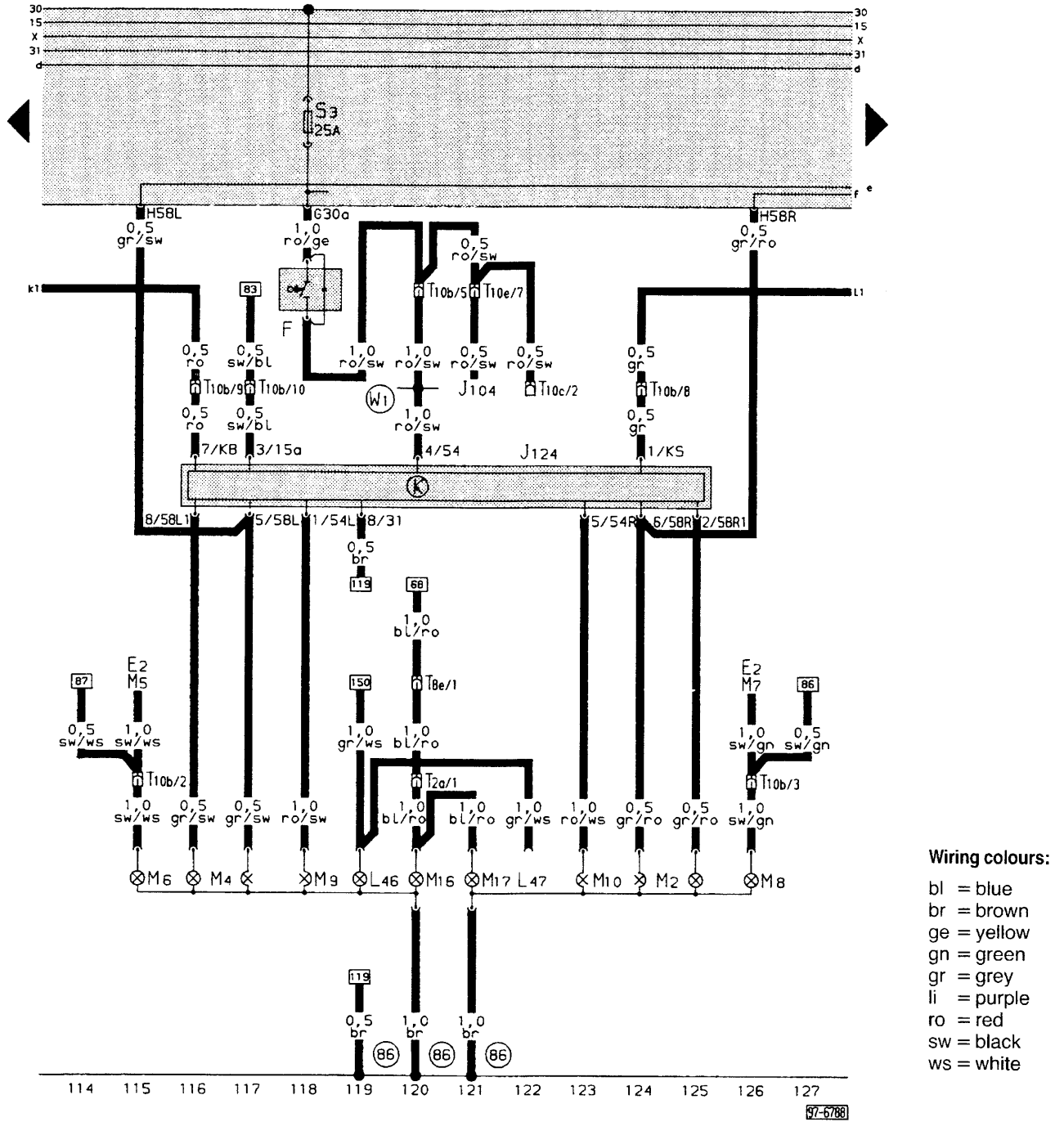
Wiring colours:

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

- F 1 – Oil pressure switch (1.8 bar)
- F 12 – Cold start warning system contact
- F 21 – Hydraulic servo unit warning switch
- F 34 – Brake fluid level warning contact
- F 75 – Hydraulic fluid warning contact
- F 77 – Warning contact for windscreen washer water
- G 22 – Speedometer sender
- J 189 – Auto-check system
- R – Radio
- T 5 – Connector 5 pin, black, connector point in aux. relay carrier
- T 6c – Connector 6 pin, behind console
- T 6m – Connector 6 pin, on Auto-Check-System display unit
- T 6n – Connector 6 pin, on Auto-Check-System display unit
- T 8e – Connector 8 pin, black, in engine compartment, right
- T 8f – Connector 8 pin, brown, in engine compartment, right

- T 10 – Connector 10 pin, black, connector point in aux. relay carrier
- T 10a – Connector 10 pin, yellow, connector point in aux. relay carrier
- T 10f – Connector 10 pin, on radio
- T 26 – Connector 26 pin, yellow, on dash panel insert
- T 26a – Connector 26 pin, blue, on dash panel insert
- T 26b – Connector 26 pin, white, on dash panel insert (auto-check system display unit)
- ⓑ1 – Earth connection – 1 –, in dash panel wiring loom
- ⓑ2 – Earth connection – 1 –, in front left wiring loom
- ⓑ5 – Earth connection – 1 –, in engine compartment wiring loom
- ⓑ13 – Connection (sender-brake system/steering) in front right wiring loom
- * – only on vehicles with automatic gearbox
- ** – only with Gamma or Delta radio (additional frequency display)

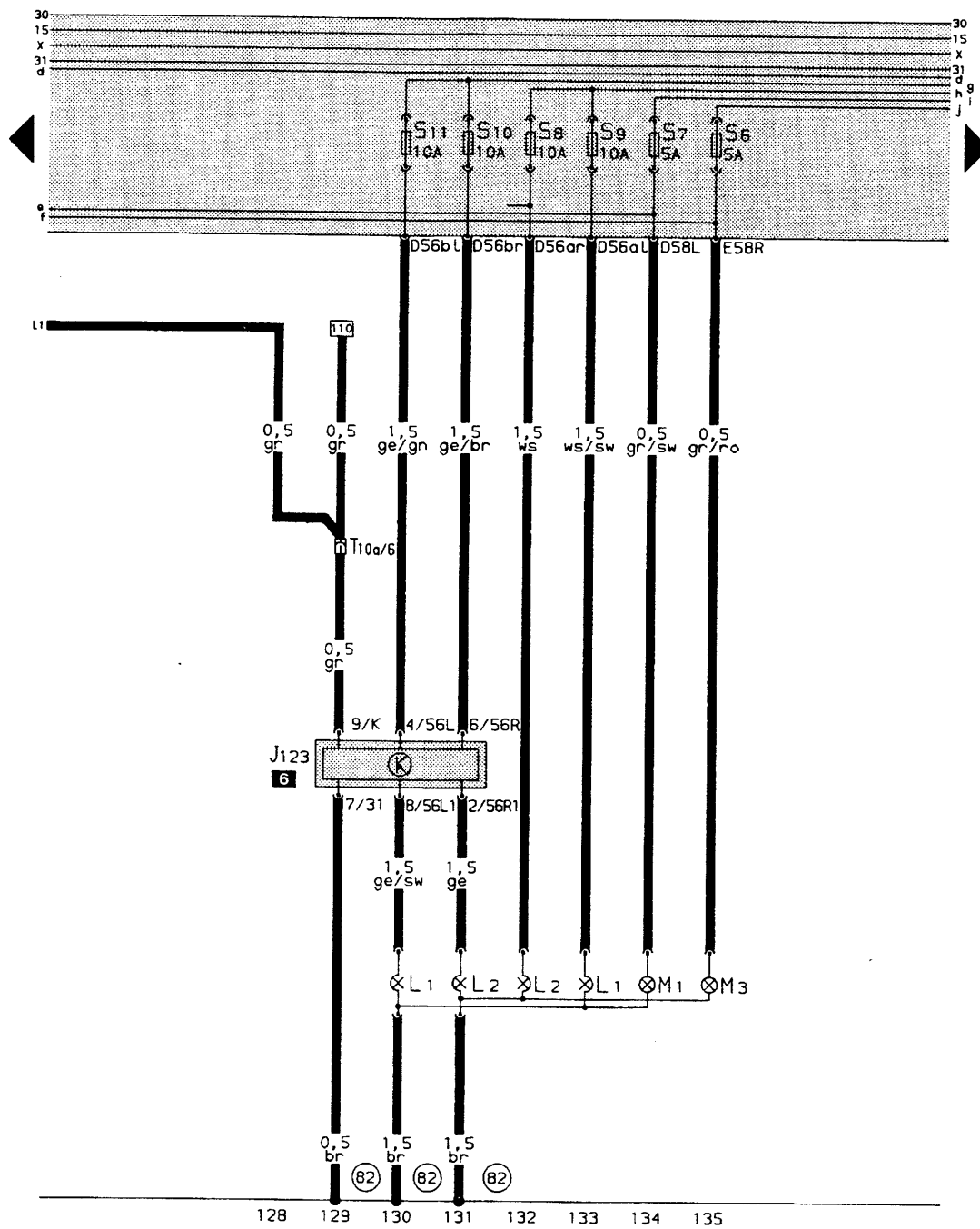
Tail lights, brake lights, bulb monitoring device, rear



- E 2 – Turn signal switch
- F – Brake light switch
- J 104 – Control unit for ABS
- J 124 – Bulb monitoring device, rear
- L 46 – Rear fog light bulb, left
- L 47 – Rear fog light bulb, right
- M 2 – Tail light bulb, right
- M 4 – Tail light bulb, left
- 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
- 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 2a – Connector 2 pin, white, behind dash panel, left
- T 8e – Connector 8 pin, black, in engine compartment, right

- T 10b – Connector 10 pin, brown, connector point in aux. relay carrier
- T 10c – Connector 10 pin, green, connector point in aux. relay carrier
- T 10e – Connector 10 pin, blue, connector point in aux. relay carrier
- (86) – Earth connection – 1 –, in rear wiring loom
- (W1) – Positive (+) connection (54) in rear wiring loom

Headlights, bulb monitoring device, front



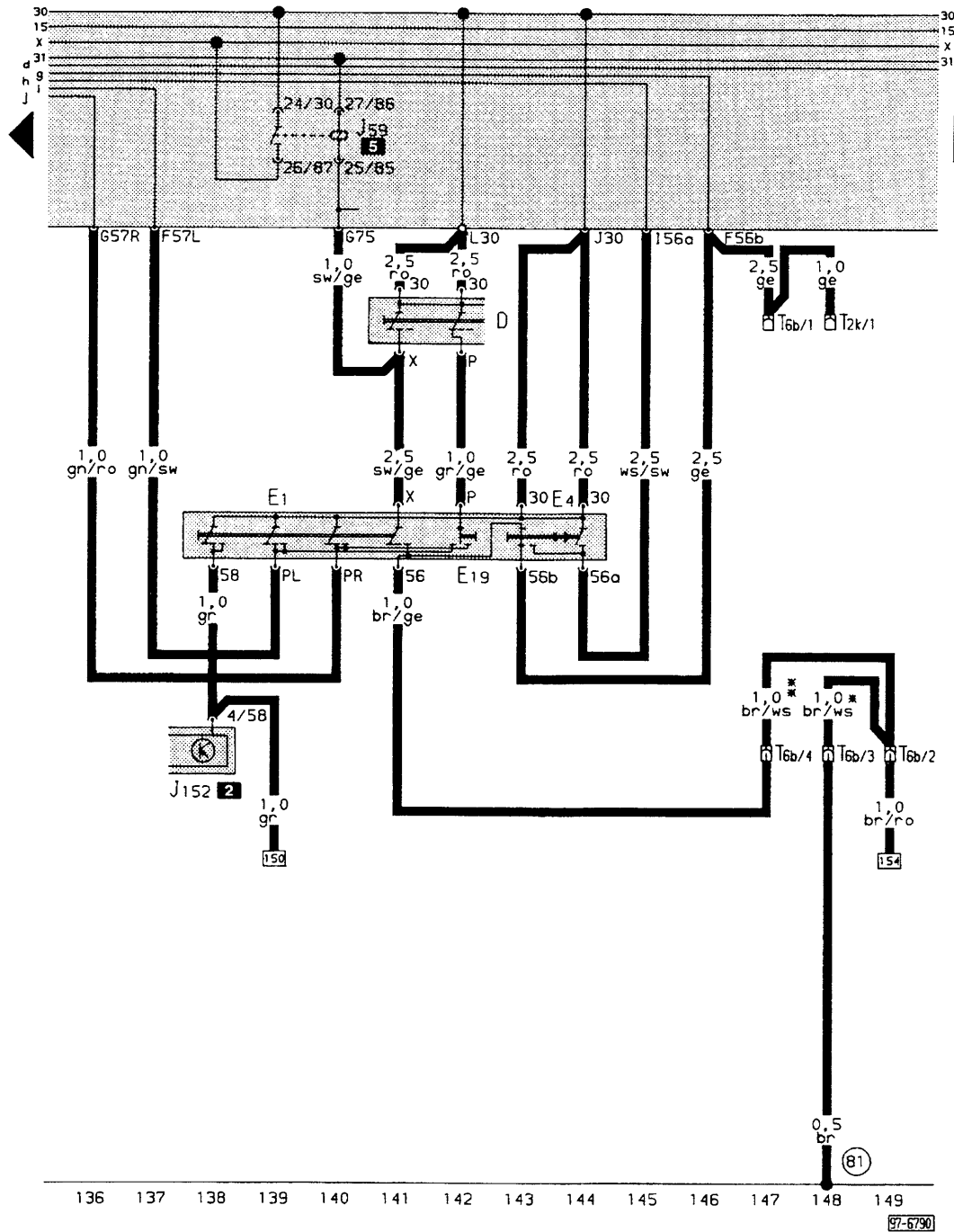
Wiring colours:

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

- J 123 – Bulb monitoring device, front
- 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 10a – Connector 10 pin, yellow, connector point in aux. relay carrier
- ⊕ – Earth connection – 1 –, in front left wiring loom

97-5789

Lighting switch, headlight dipper/flasher switch



Wiring colours:

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

- 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, EEC. countries, standard (wired with side lights, dipped headlights, main beams)

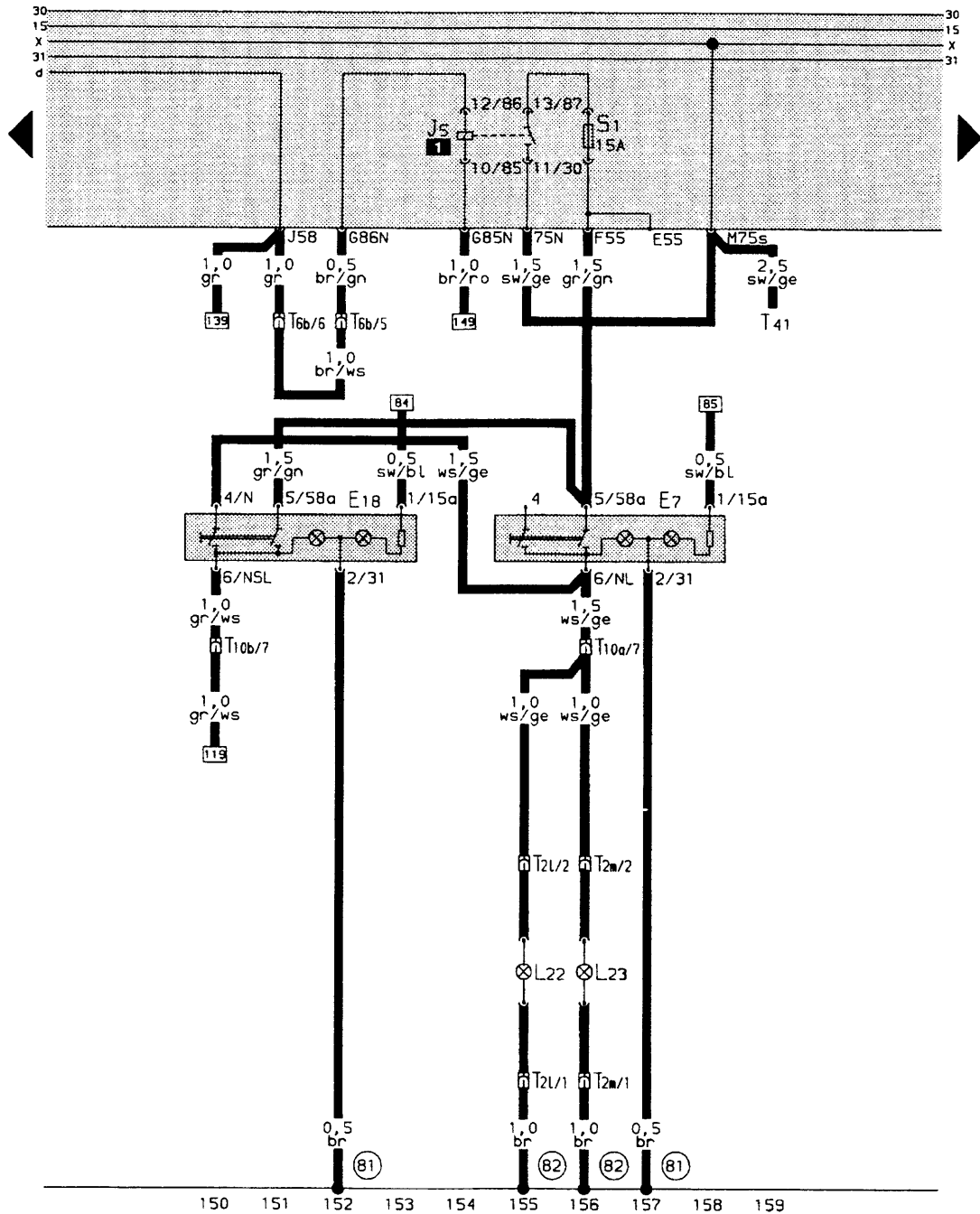
** – Australia, New Zealand, Holland (wired only with side lights)

Note:

This wiring of the fog lights and rear fog light is not valid for Great Britain.

For the exact wiring, see current flow diagram: fog lights and rear fog light (Great Britain).

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

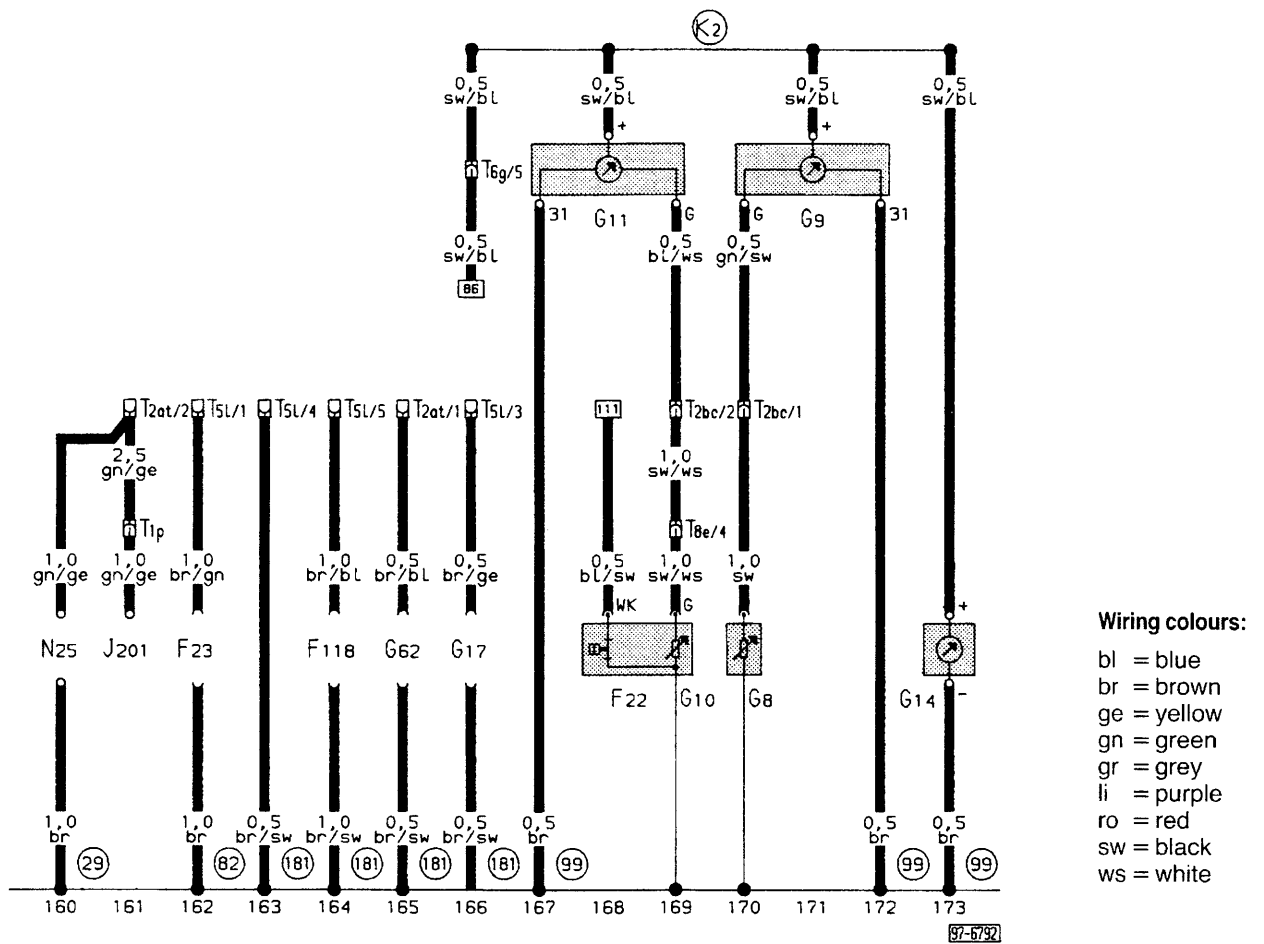
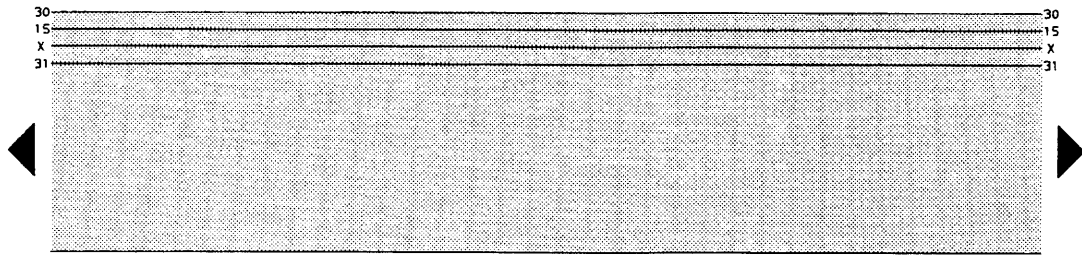
- E 7 – Fog light switch
- E 18 – Rear fog light switch
- J 5 – Fog light relay
- L 22 – Fog light bulb, left
- L 23 – Fog light bulb, right
- T 2l – Connector 2 pin, in engine compartment, left
- T 2m – Connector 2 pin, in engine compartment, right
- T 6b – Connector 6 pin, coding plug connection for 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
- ⊗ – Earth connection – 1 –, in dash panel wiring loom
- ⊗ – Earth connection – 1 –, in front left wiring loom

Note:

This wiring of the fog lights and rear fog light is not valid for Great Britain.
For the exact wiring, see current flow diagram: fog lights and rear fog light (Great Britain).

* – Connect to any vacant relay position

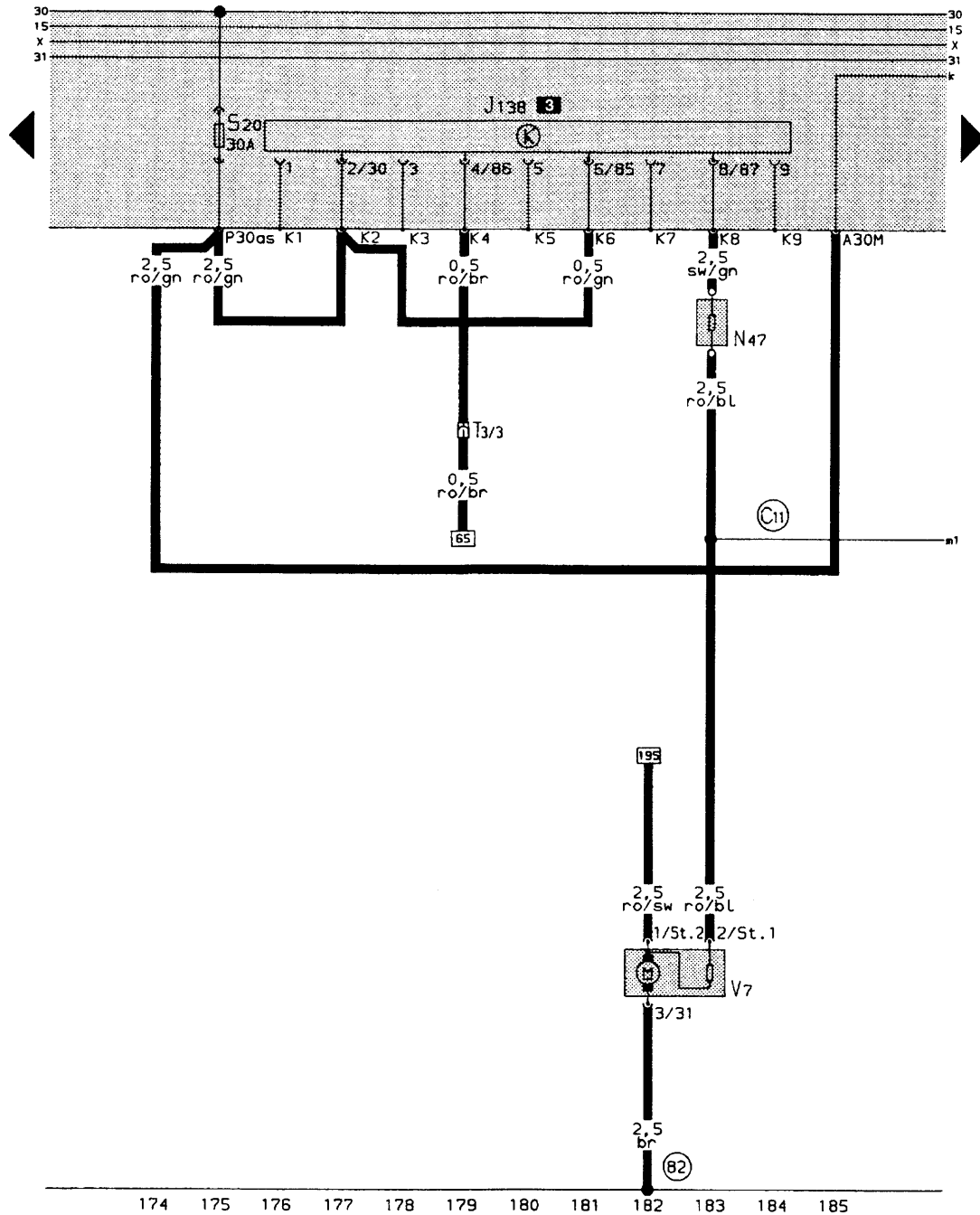
Additional instruments



- *F 22 – Oil pressure switch (0.3 bar)
- F 23 – High pressure switch for air conditioner
- F 118 – High pressure switch for magnetic clutch
- G 8 – Oil temperature sender
- G 9 – Oil temperature gauge
- *G 10 – Oil pressure sender
- G 11 – Oil pressure gauge
- G 14 – Voltmeter
- G 17 – Ambient temperature sensor
- G 62 – Sender for coolant temperature (with air conditioner)
- J 201 – Protective diode for magnetic clutch
- N 25 – Magnetic clutch for air-conditioner
- T 1p – Connector single, green, behind dash panel, left
- T 2at – Connector 2 pin, green, behind dash panel, left
- T 2bc – Connector 2 pin, behind dash panel
- T 5l – Connector 5 pin, green, behind dash panel, left
- T 6g – Connector 6 pin, white, behind dash panel
- T 8e – Connector 8 pin, black, in engine compartment, right
- (29) – Earth point, near compressor

- (82) – Earth connection – 1 –, in front left wiring loom
- (99) – Earth connection, in console wiring loom
- (181) – Earth connection (analogue earth) in engine compartment wiring loom, left
- (K2) – Positive (+) connection (15a), in console wiring loom
- * – oil pressure switch 0.3 bar and oil pressure sender are integrated in one component

Fan run-on



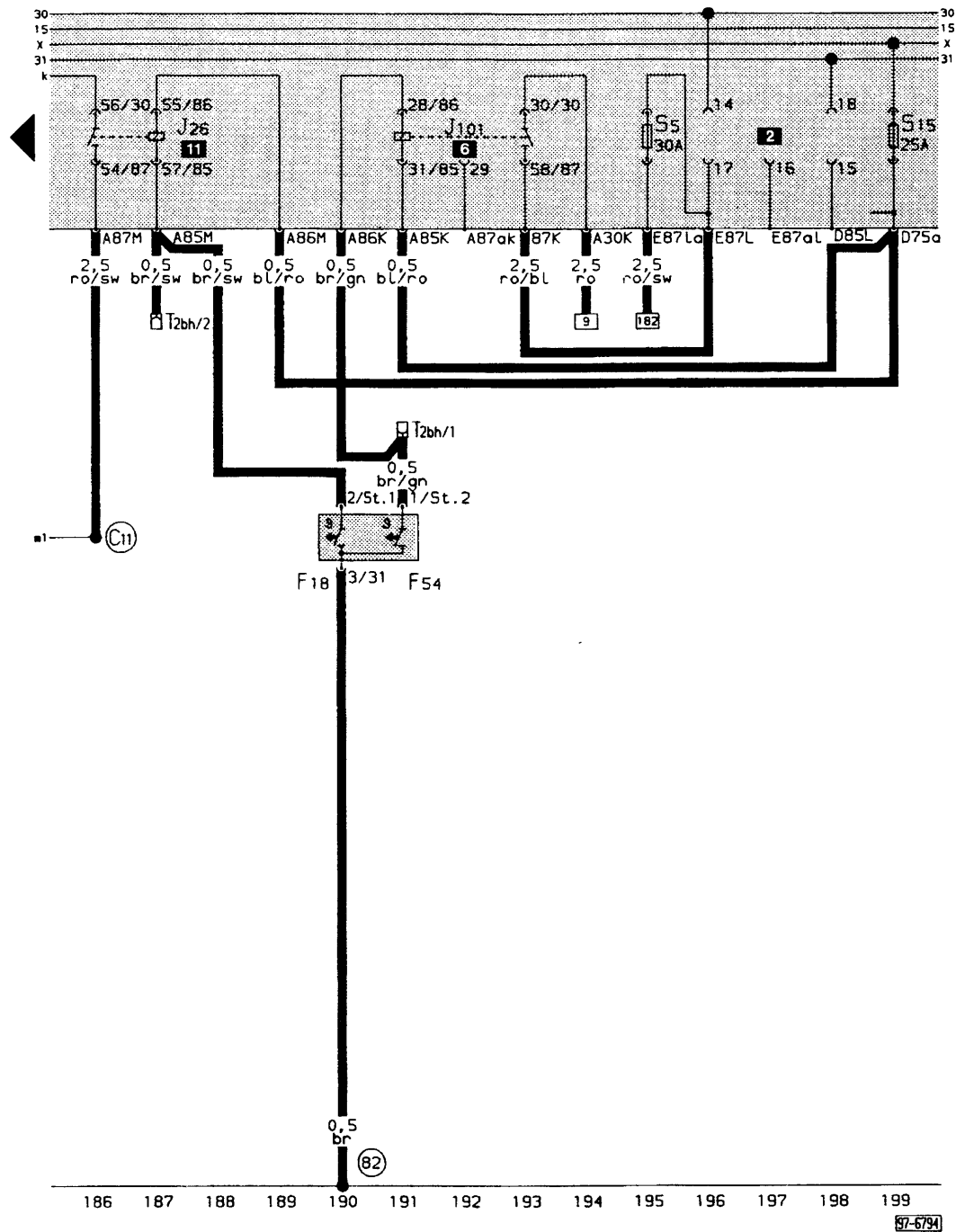
Wiring colours:

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

- J 138 – Control unit for radiator fan run-on
- N 47 – Fan run-on series resistance (fitted to radiator fan)
- T 3 – Connector 3 pin, brown, behind dash panel, left
- V 7 – Radiator fan
- 82 – Earth connection – 1 –, in front left wiring loom
- C11 – Connection in radiator fan wiring loom

97-6793

Radiator fan



Wiring colours:

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

- *F 18 – Radiator fan thermo switch
- *F 54 – Radiator fan thermo switch
- J 26 – Radiator fan relay
- J 101 – Radiator fan 2nd stage relay
- T 2bh – Connector 2 pin, brown, behind dash panel, left
- Ⓢ – Earth connection – 1 –, in front left wiring loom
- Ⓢ1 – Connection in radiator fan wiring loom
- * – Integrated in one unit