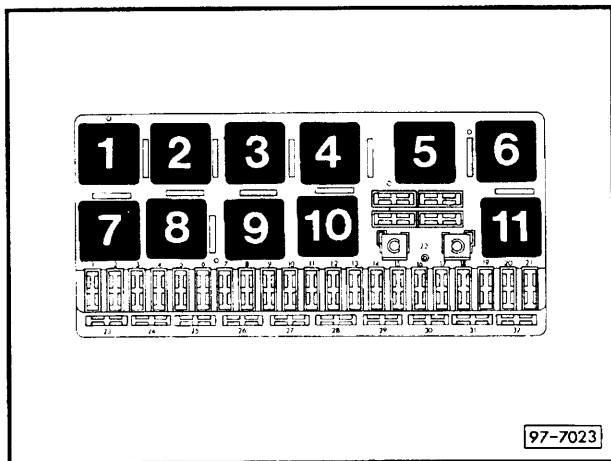


**Audi 80 (2.0 litre fuel injection engine, 103 kW,
K-Motronic, 4-cylinder)
Engine code letters ACE**

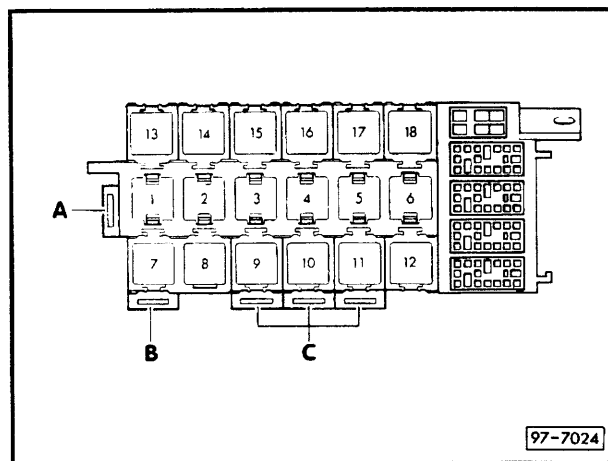
from July 1992

Position of relays:
also see "Fitting Locations"

Relay plate with fuse holder:



**Auxiliary relay carrier, front
(below dash panel, left)**



Relay positions:

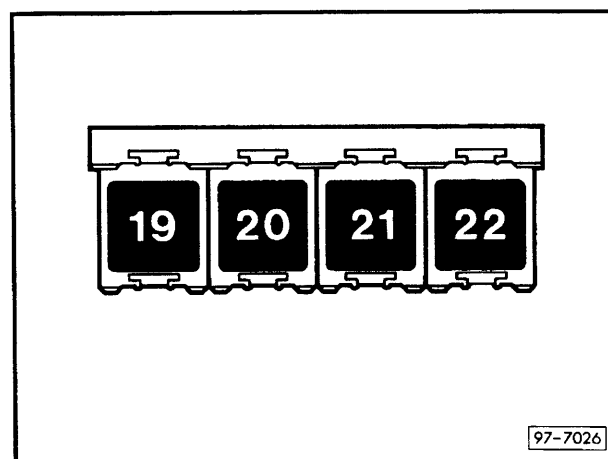
- 3** – Control unit for fan run-on
- 8** – Bridge connection with manual gearbox/relay with anti-theft alarm (starter inhibitor)
- 10** – Fuel pump relay
- 11** – Radiator fan 2nd stage relay

Relay positions:

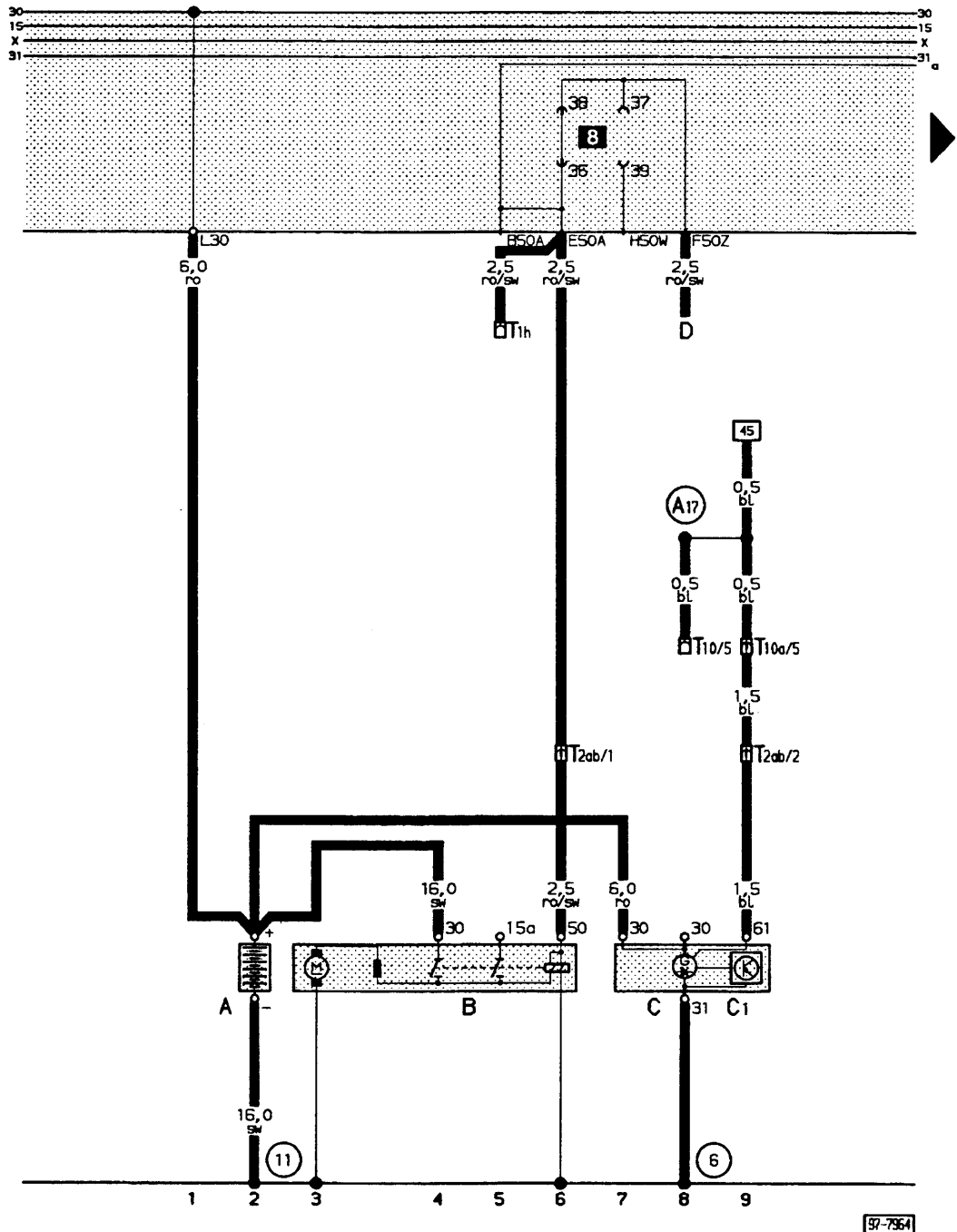
- 18** – Relay for radiator fan (full load)

Fuse colours

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

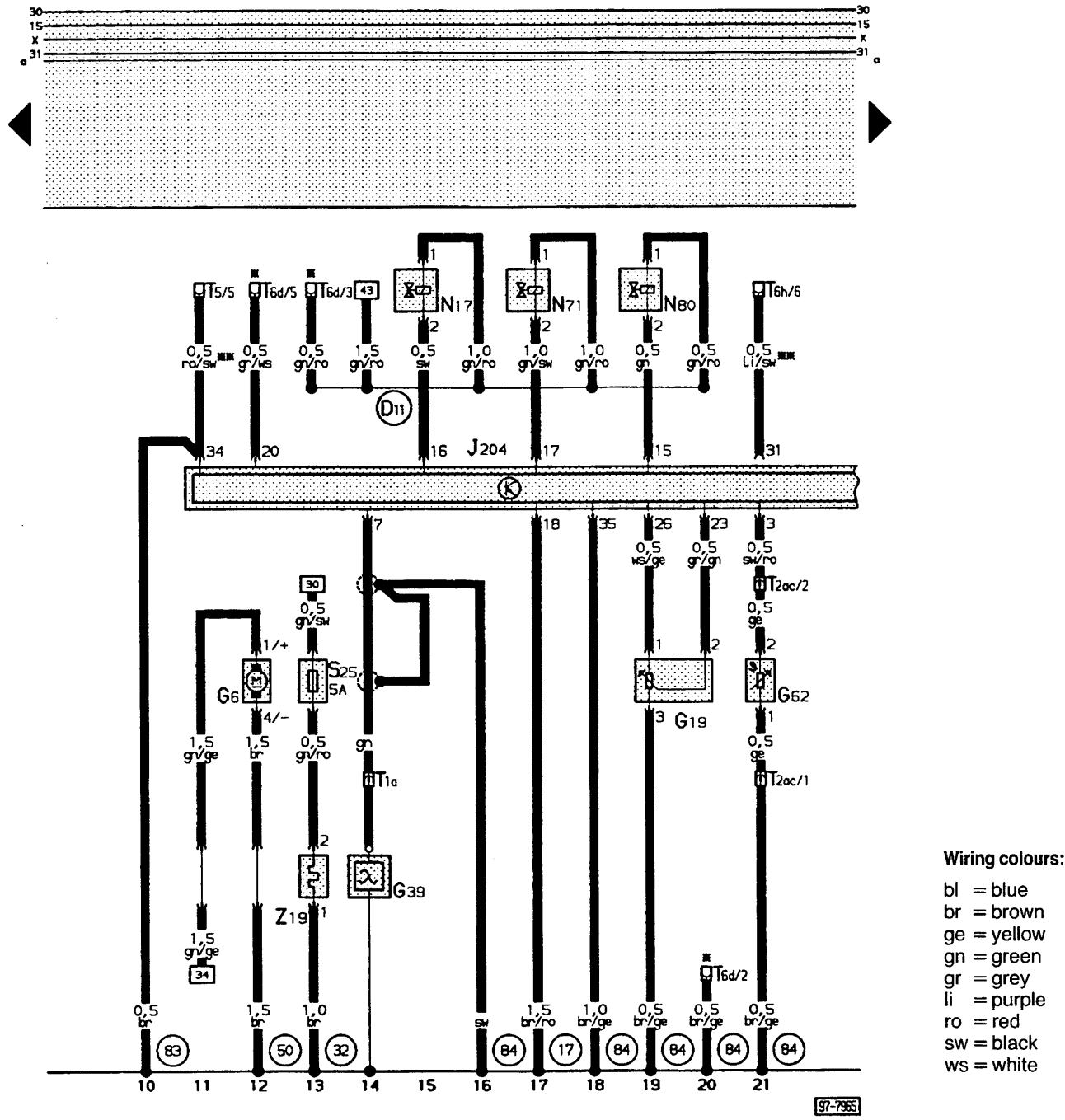


Battery, starter, alternator



- A – Battery
- B – Starter
- C – Alternator
- C 1 – Voltage regulator
- D – Ignition/starter switch
- T 1h – Connector single, behind dash panel, left (connection for automatic gearbox)
- T 2ab – Connector 2 pin, grey, near starter
- T 10 – Connector 10 pin, black, connector point in auxiliary relay carrier
- T 10a – Connector 10 pin, yellow, connector point in auxiliary relay carrier
- ⑥ – Earthing strap, engine – alternator
- ⑪ – Earth point, in battery box
- Ⓐ17 – Connection (61), in dash panel wiring loom

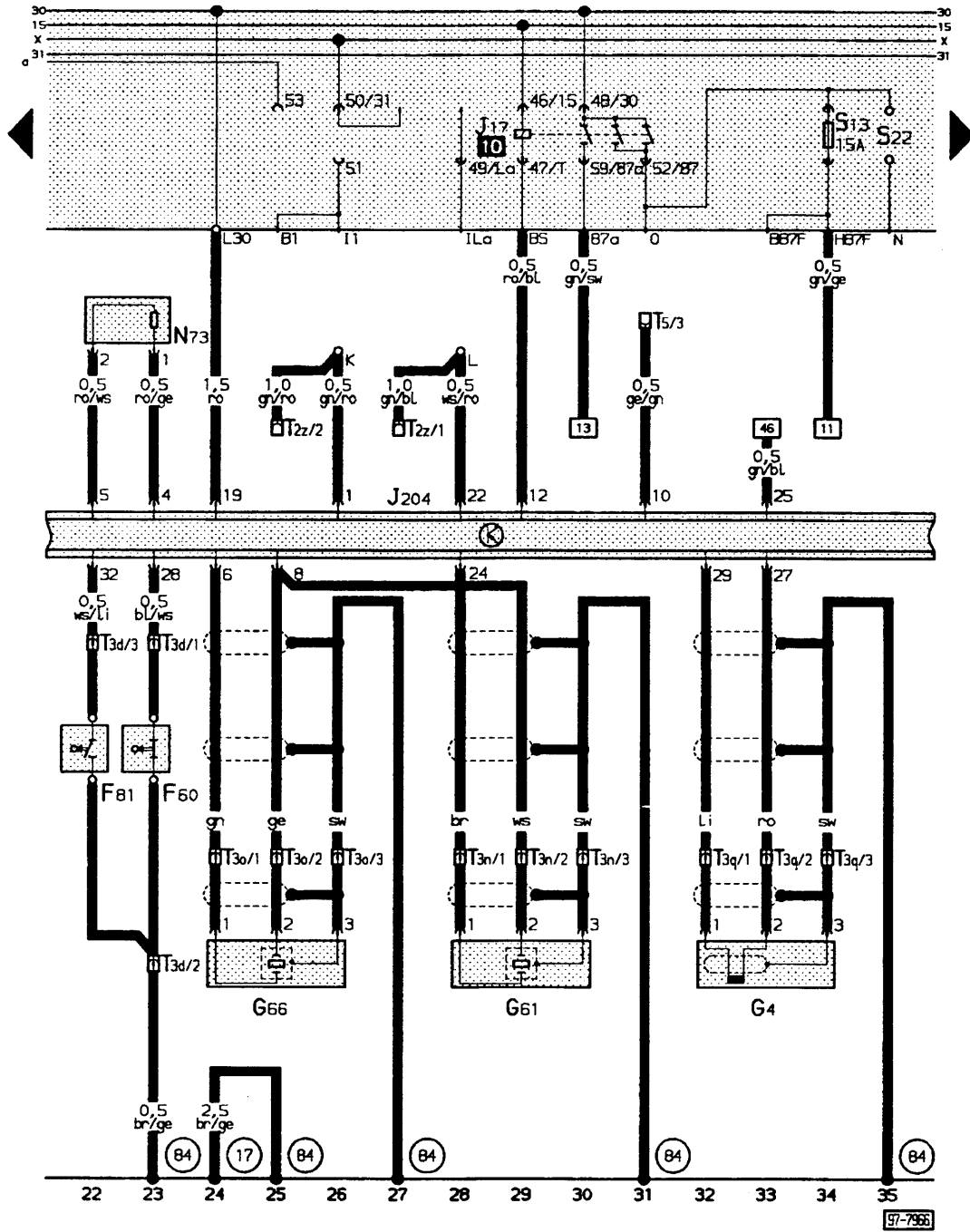
Electronic fuel injection, Lambda probe, fuel pump



- G 6 – Fuel pump (lift pump)
- G 19 – Potentiometer for air flow meter
- G 39 – Lambda probe
- G 62 – Sender for coolant temperature
- J 204 – KE-Motronic control unit
- N 17 – Cold start valve
- N 71 – Idling speed stabilization valve
- N 80 – Activated charcoal filter system solenoid valve I (pulsed)
- S 25 – Separate fuse for Lambda probe heating (in add. fuse holder)
- T 1a – Connector single, in engine compartment, right
- T 2ac – Connector 2 pin, black, in engine compartment, centre
- T 5 – Connector 5 pin, black, connector point in aux. relay carrier
- T 6d – Connector 6 pin, black, behind dash panel (coding plug)

- T 6h – Connector 6 pin, black, behind dash panel (connection for automatic gearbox)
- Z 19 – Heating for Lambda probe
- Ⓐ – Earth point, on intake manifold
- Ⓑ – Earth point, behind dash panel, left
- Ⓒ – Earth point, luggage boot, left
- Ⓓ – Earth connection – 1 –, in front right wiring loom
- Ⓔ – Earth connection, engine block, in front right wiring loom
- Ⓕ – Positive (+) connection (15) via fuse 28 in front right wiring loom
- * – coding plug not used
- ** – only on vehicles with automatic gearbox

Electronic fuel injection, fuel pump relay, knock control



Wiring colours:

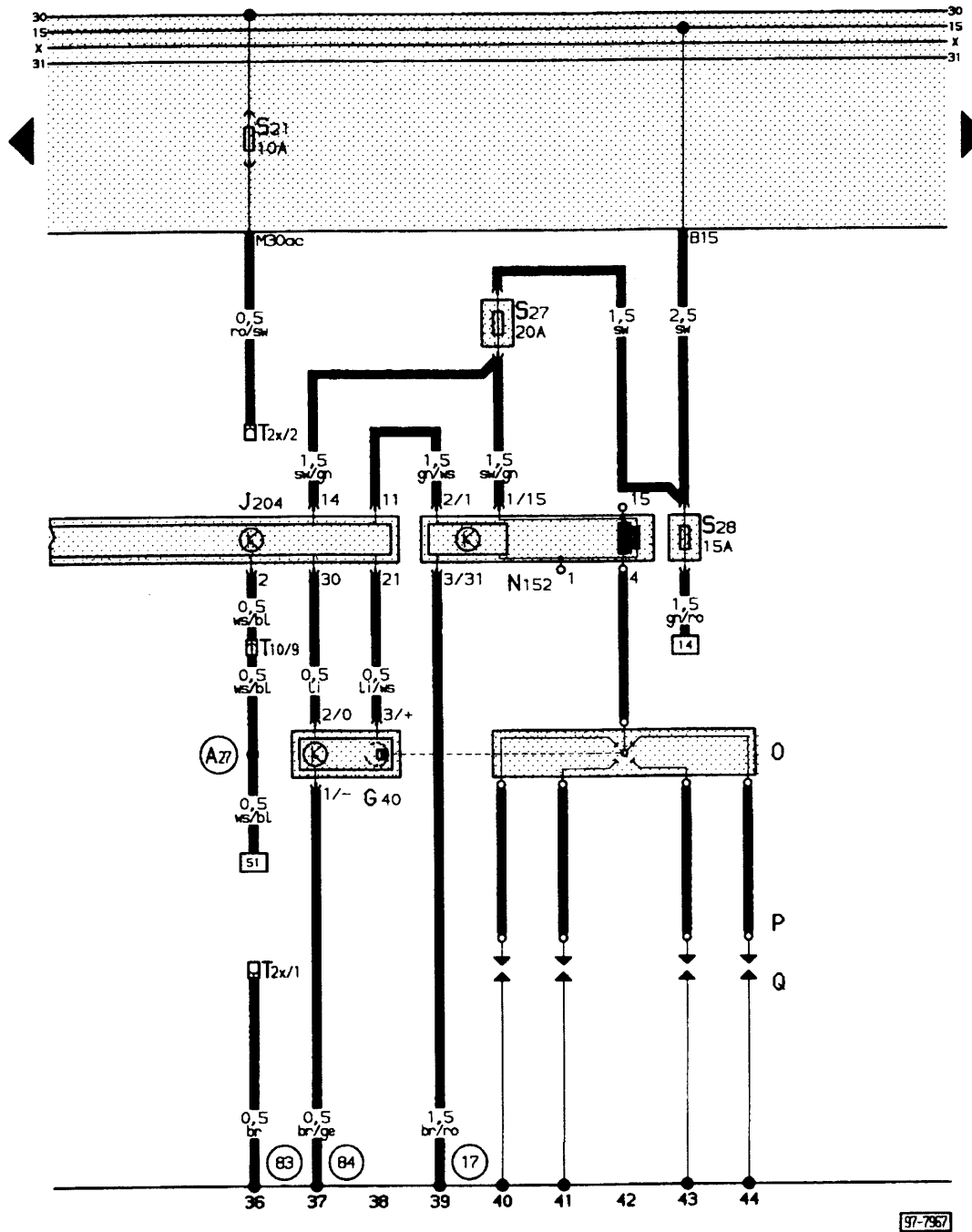
- bl = blue
- br = brown
- ge = yellow
- gn = green
- gr = grey
- li = purple
- ro = red
- sw = black
- ws = white

- F 60 – Idling switch
- F 81 – Full throttle switch
- G 4 – Firing point sender
- G 61 – Knock sensor I
- G 66 – Knock sensor II
- J 17 – Fuel pump relay
- J 204 – KE-Motronic control unit
- N 73 – Differential pressure regulator
- T 2z – Connector 2 pin, white, in plenum chamber near relay plate (diagnosis plug)
- T 3d – Connector 3 pin, black, in engine compartment, right
- T 3n – Connector 3 pin, green, for knock sensor, left
- T 3o – Connector 3 pin, blue, for knock sensor, right
- T 3q – Connector 3 pin, black, in engine compartment, right
- T 5 – Connector 5 pin, black, connector point in aux. relay carrier

- Ⓐ – Earth point, on intake manifold
- Ⓑ – Earth connection, engine block, in front right wiring loom
- K – Wiring adaptor for diagnosis plug (K-wiring)
- L – Wiring adaptor for diagnosis plug (L-wiring)

Note: Wiring adaptors are screwed onto frame of relay carrier (in plenum chamber).

Electronic fuel injection, ignition

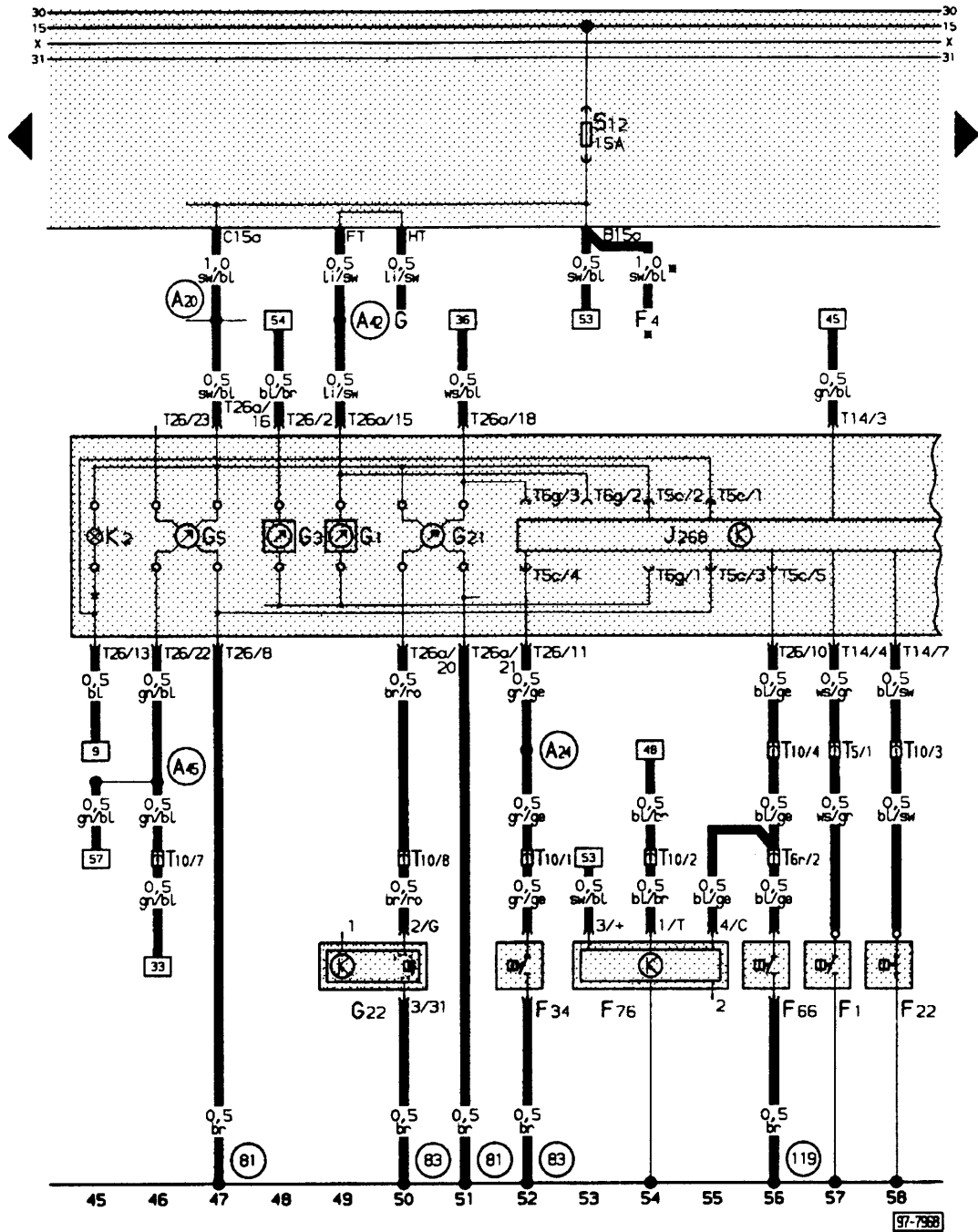


Wiring colours:

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

- G 40 – Hall sender
- J 204 – KE Motronic control unit
- N 152 – Ignition transformer
- O – Ignition distributor
- P – Spark plug connector
- Q – Spark plugs
- S 27 – Fuse in additional fuse holder (engine systems I – for electronic ignition)
- S 28 – Fuse in additional fuse holder (engine systems II – for Lambda control)
- T 2x – Connector 2 pin, black, in plenum chamber near relay plate (diagnosis plug)
- T 10 – Connector 10 pin, black, connector point in auxiliary relay carrier
- (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
- (A27) – Connection (speed signal), in dash panel wiring loom

Dash panel insert, rev. counter, speedometer, coolant monitor, control unit for mini-check system

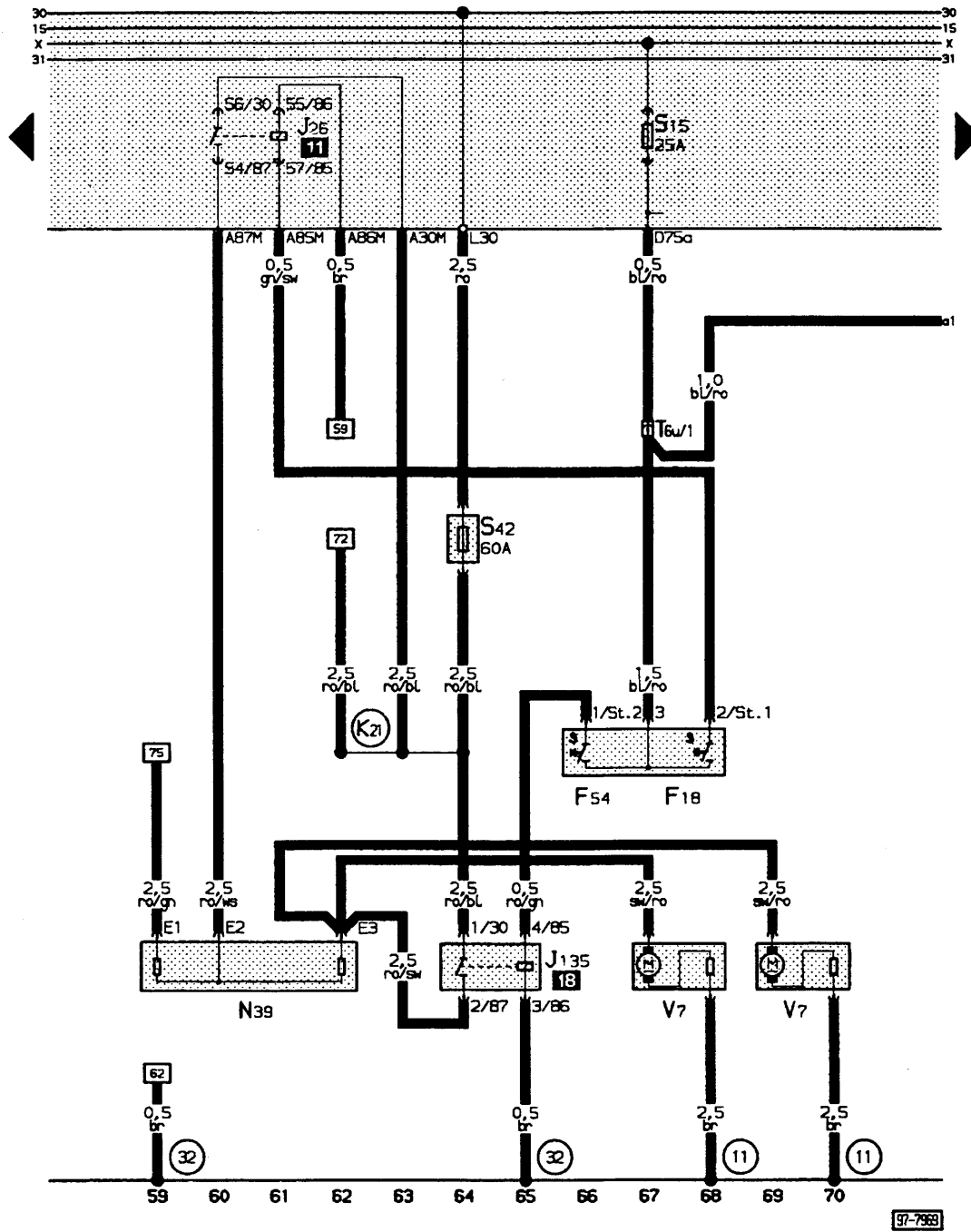


Wiring colours:

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

- | | |
|---|--|
| <ul style="list-style-type: none"> F 1 – Oil pressure switch (1.8 bar) F 4 – Reversing light switch F 22 – Oil pressure switch (0.3 bar) F 34 – Brake fluid level warning contact F 66 – Coolant shortage indicator switch F 76 – Electronic thermostwitch G – Fuel gauge sender G 1 – Fuel gauge G 3 – Coolant temperature gauge G 5 – Rev. counter G 21 – Speedometer G 22 – Speedometer sender K 2 – Alternator warning lamp J 268 – Control unit for mini-check system T 5 – Connector 5 pin, black, connector point in aux. relay carrier T 5c – Connector 5 pin, on dash panel insert T 6g – Connector 6 pin, on dash panel insert T 6r – Connector 6 pin, black, behind dash panel, left | <ul style="list-style-type: none"> T 10 – Connector 10 pin, black, connector point in aux. relay carrier T 14 – Connector 14 pin, white, on dash panel insert (mini-check system) T 26 – Connector 26 pin, yellow, on dash panel insert T 26a – Connector 26 pin, blue, on dash panel insert (81) – Earth connection – 1 –, in dash panel wiring loom (83) – Earth connection – 1 –, in front right wiring loom (119) – Earth connection – 1 –, in headlight wiring loom (A20) – Connection (15a), in dash panel wiring loom (A24) – Connection (brake system monitoring), in dash panel wiring loom (A42) – Connection (fuel gauge), in dash panel wiring loom (A46) – Connection (engine speed signal), in dash panel wiring loom * – only in vehicles with manual gearbox |
|---|--|

Radiator fan

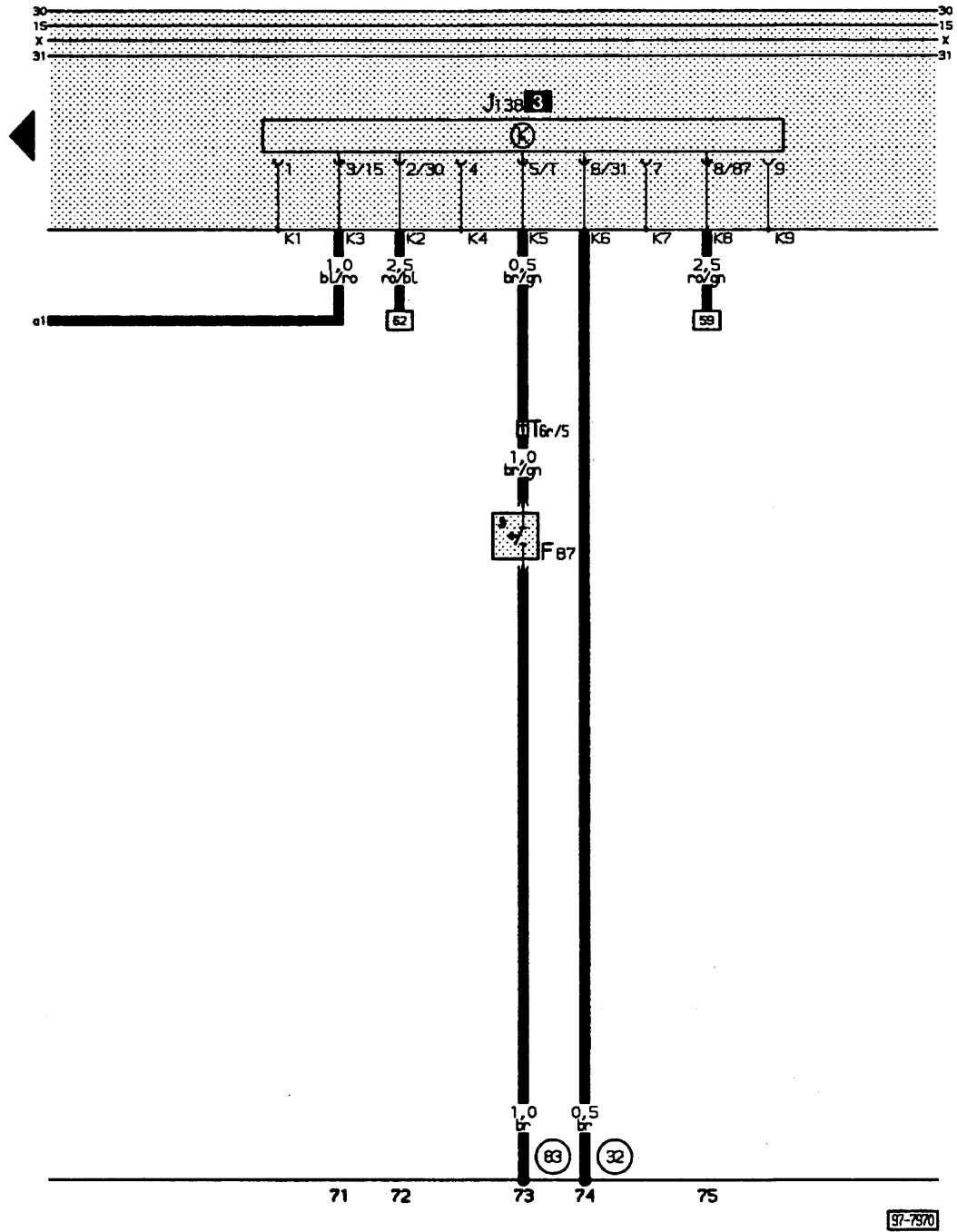


Wiring colours:

- 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 135 – Relay for radiator fan 3rd stage
- N 39 – Radiator fan series resistance
- S 42 – Separate fuse for radiator fan
- T 6u – Connector 6 pin, green, behind dash panel, left
- V 7 – Radiator fan
- ⓪ – Earth point, in battery box
- Ⓛ – Earth point, behind dash panel, left
- Ⓜ – Connection – 1 –, in radiator fan wiring loom

Radiator 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 – Thermoswitch for fan run-on
- J 138 – Control unit for radiator fan run-on
- T 6r – Connector 6 pin, black, behind dash panel, left
- Ⓢ – Earth point, behind dash panel, left
- Ⓢ – Earth connection – 1 –, in front right wiring loom