



Microbus

(2.6L 100kW Bosch Motronic engine)

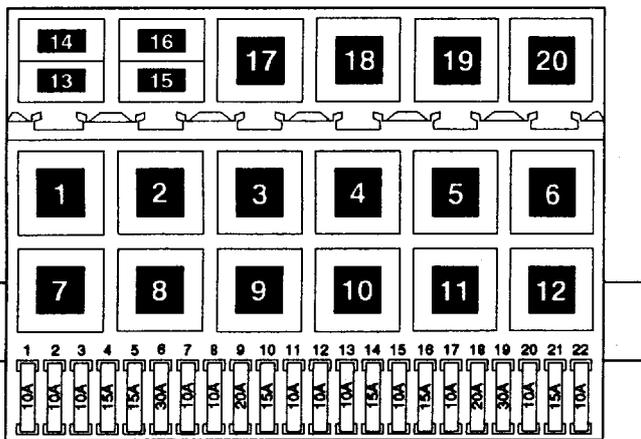
5 - speed manual gearbox

from VIN No: AAVZZZ25ZSU000000

October 1994

Relay locations

Relay locations and wiring of multi-pin connectors, see also "Fitting Locations" section



- 1** - Main relay (53)
- 2** - Rear wash/wipe relay (72)
- 3** - Not used
- 4** - X-relief relay (18)
- 5** - Coolant shortage/temperature switch unit (42)
- 6** - Emergency (hazard) light relay (21)
- 7** - Radiator fan 1st stage relay (53)
- 8** - Intermittent wash/wipe relay (19)
- 9** - Not used
- 10** - Not used
- 11** - Single tone horn relay (53)
- 12** - Not used
- 13** - Thermo-fuse, 20 A, for central locking
- 14** - Fuse, 20 A, for the main beam headlights
- 15** - Fuse, 10 A, for instrumentation illumination
- 16** - Fuse, 30 A, for the radiator fan
- 17** - Fuel pump relay (53)
- 18** - Mainbeam headlight relay (53)
- 20** - Fuel gauge damper module

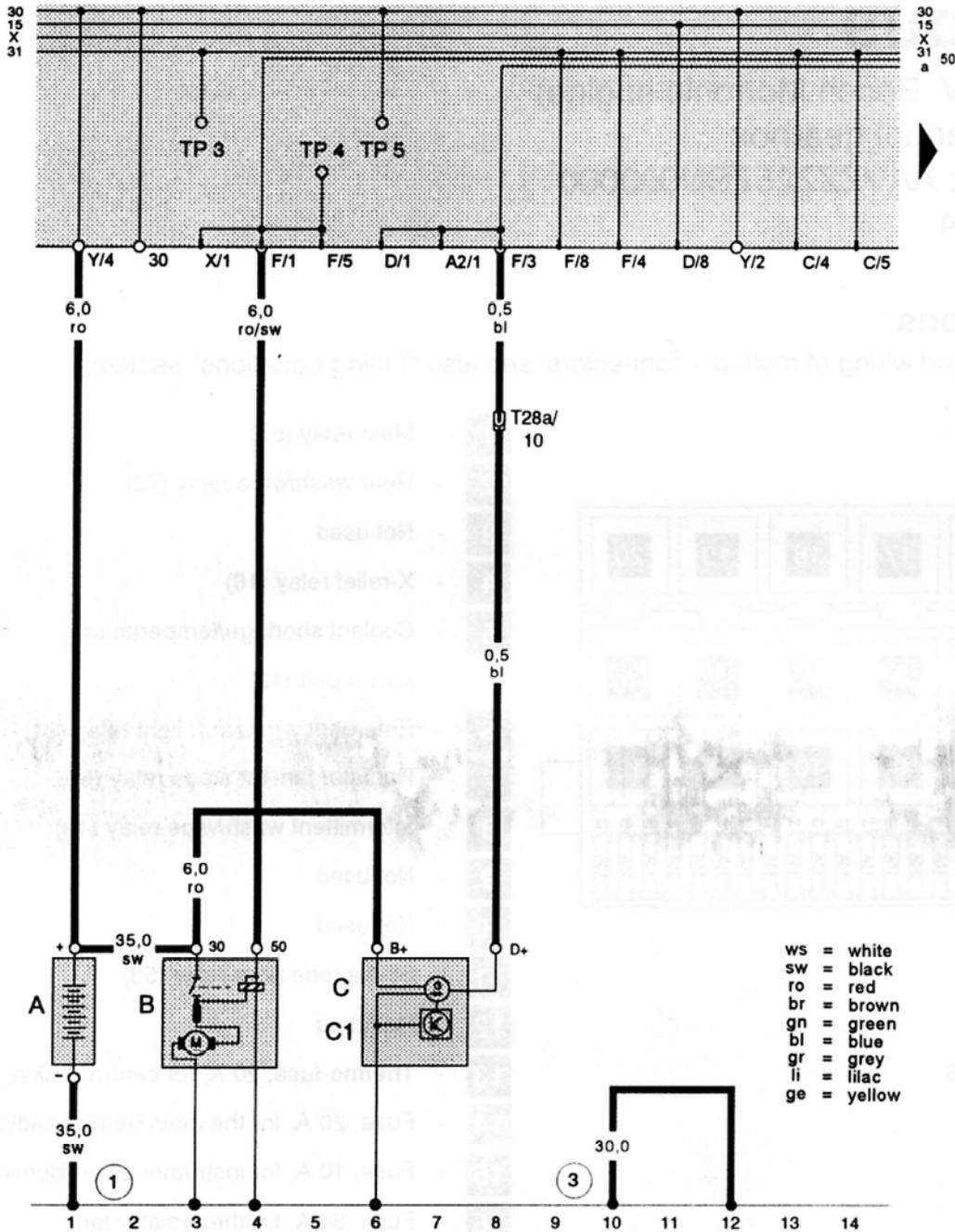
Fuse colours

- 30A - green
- 25A - white
- 20A - yellow
- 15A - blue
- 10A - red

NOTE :

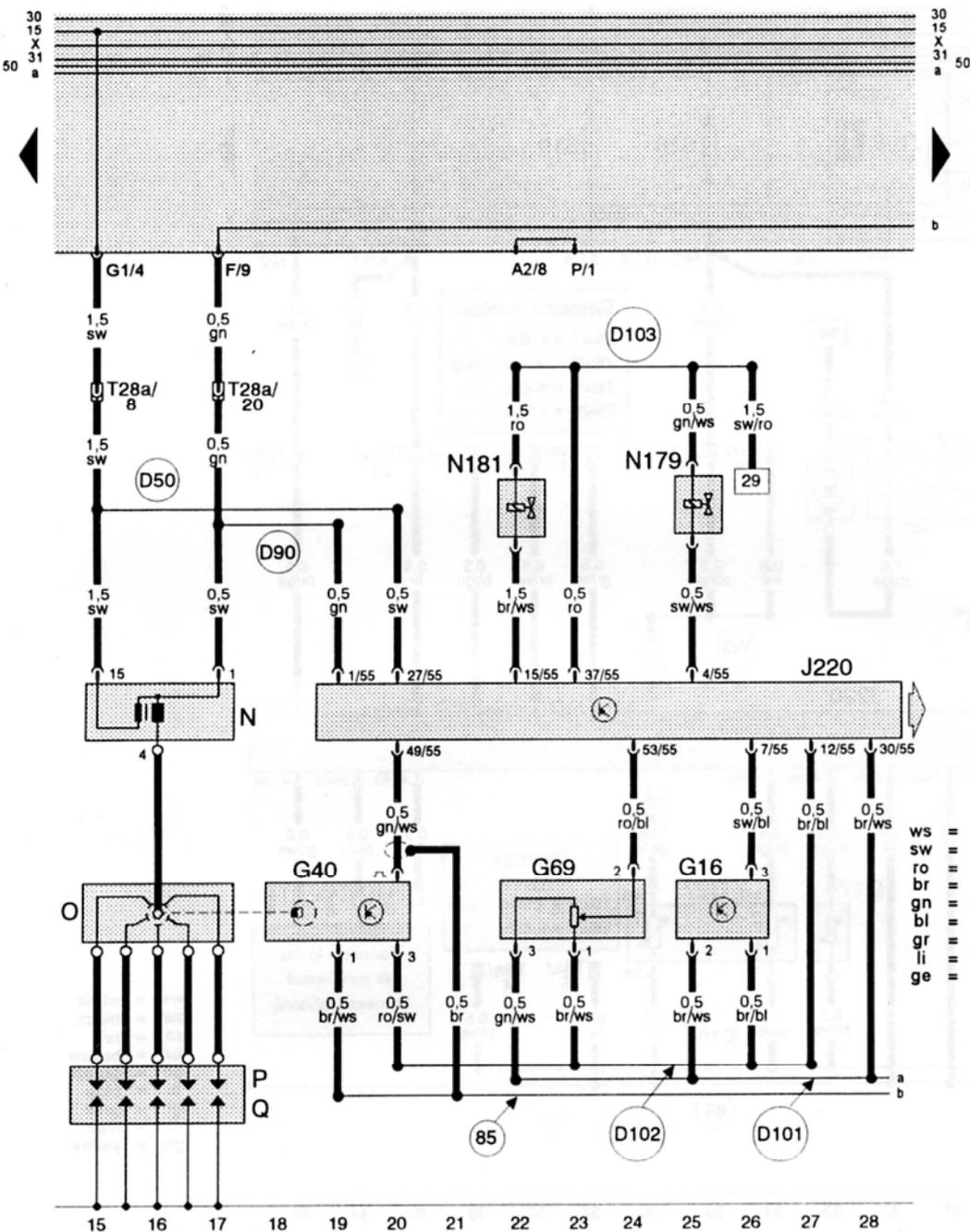
The number in brackets after the part designation refers to the production control number on the housing.

Battery, starter, alternator.



- A - Battery.
- B - Starter.
- C - Alternator.
- C1 - Voltage regulator (located on the back of the alternator).
- T28a/ - Connector, 28-pin, black, located on the right hand side of the firewall in the engine compartment.
- ① - Earth strap connecting the battery to the body.
- ③ - Earth strap connecting the gearbox to the body.

Ignition system, Bosch motronic engine management module, throttle potentiometer, air pressure sensor, central injector valve, air control valve.

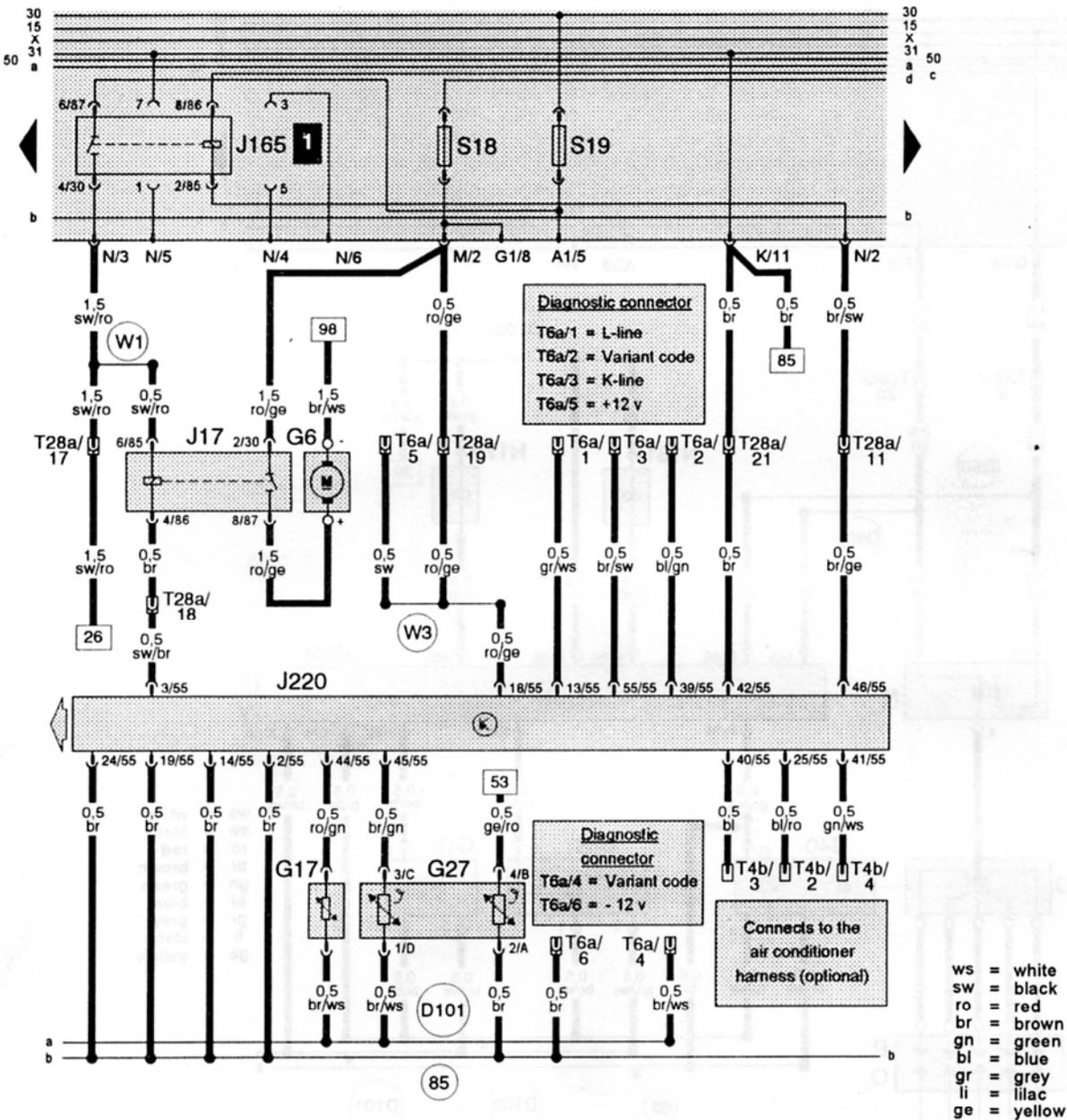


ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

- G16 - Air pressure sensor (located on the right hand side of the firewall in the engine compartment).
- G40 - Hall sender (located on the distributor).
- G69 - Throttle valve potentiometer (located on the throttle body in the engine compartment).
- J220 - Bosch motronic engine management module (located on the firewall under the rear seat).
- N - Ignition coil (located on the firewall in the engine compartment).
- N179 - Air control valve (located on top of the inlet manifold).
- N181 - Central fuel injector valve (located on the manifold near the oil filler cap).

- O - Ignition distributor (located on the engine).
- P - Spark plug connector.
- Q - Spark plug.
- T28a/ - Connector, 28-pin, black, located in the engine bay on the right hand side of the firewall.
- (85) - Earth connection -1- in the engine wiring harness.
- (D50) - Positive connection (30), in the engine wiring harness.
- (D90) - Connection (RPM signal) in the engine wiring harness.
- (D101) - Connection -1- in the engine wiring harness.
- (D102) - Connection -2- in the engine wiring harness.
- (D103) - Connection -3- in the engine wiring harness.

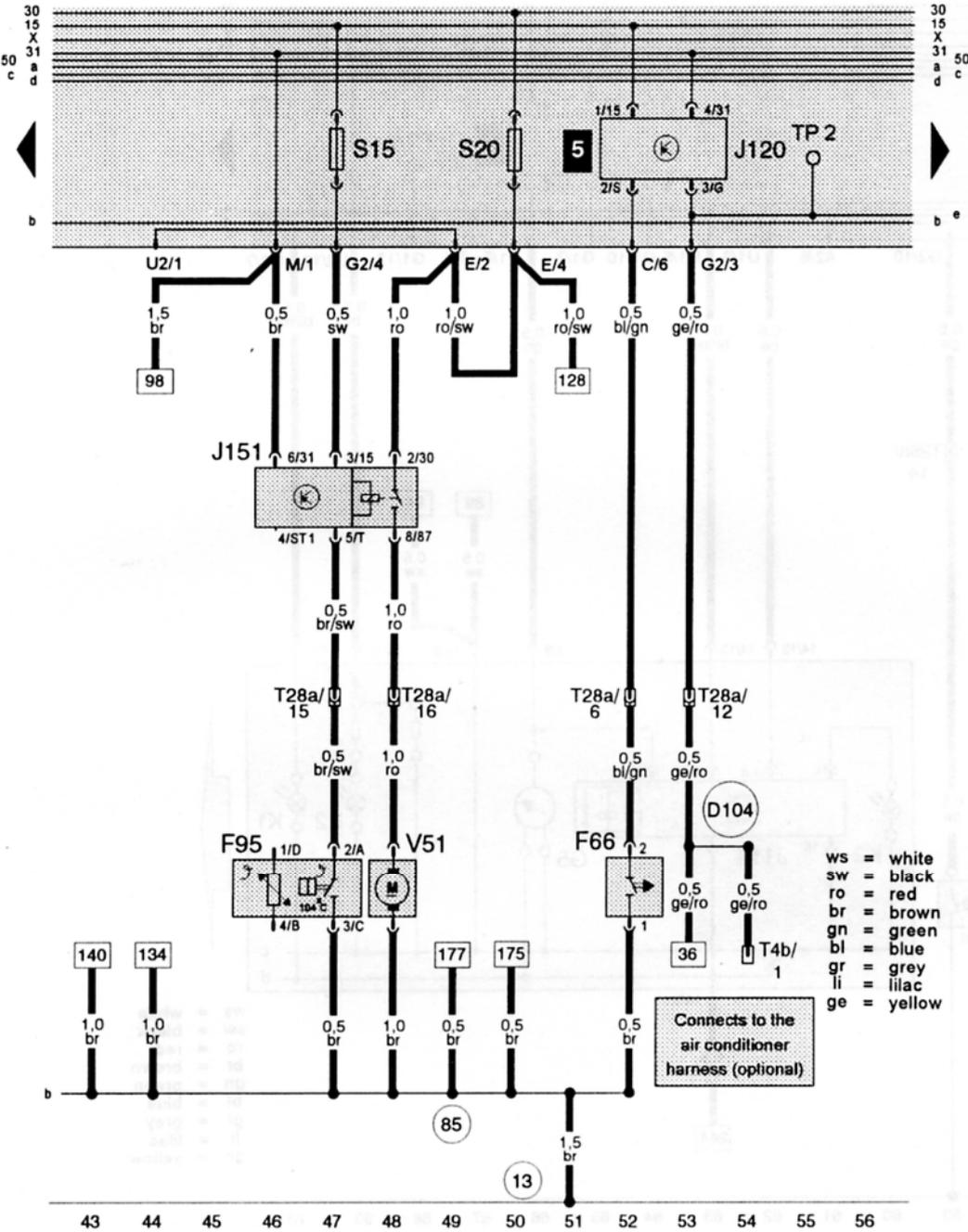
Bosch motronic engine management module, fuel pump, fuel pump relay, air temperature sensors, main relay, diagnostic connector for VAG 1551.



- G6 - Electric fuel pump (located beneath the vehicle on the right hand side long member).
- G17 - Intake air temperature sensor (located in the clean air pipe).
- G27 - Engine/temperature gauge senders (located on the top of the engine water spigot - black connector).
- J17 - Fuel pump relay (production control number 53), (located on the top of the fuse box).
- J165 - Main relay (production control number 53).
- J220 - Bosch motronic engine management module (located on the firewall beneath the rear seat).
- S18 - Fuse, 20 amp, for the fuel pump and motronic unit.
- S19 - Fuse, 30 amp, for the central injector valve, air control valve, motronic unit and fuel pump relay.

- T4b/ - Connector, 4-pin, black, located in the engine compartment on the left of the number plate.
- T6a/ - Connector, 6-pin, black, located on the firewall in the right hand side of the engine compartment.
- T28a/ - Connector, 28-pin, black, located on the firewall in the right hand side of the engine compartment.
- 85 - Earth connection -1- in the engine wiring harness.
- D101 - Connection -1- in the engine wiring harness.
- W1 - Connection -1- in the main wiring harness.
- W3 - Connection -2- in the main wiring harness.

Coolant circulating pump, switch and relay; switch unit for coolant shortage/coolant temperature, coolant level switch.



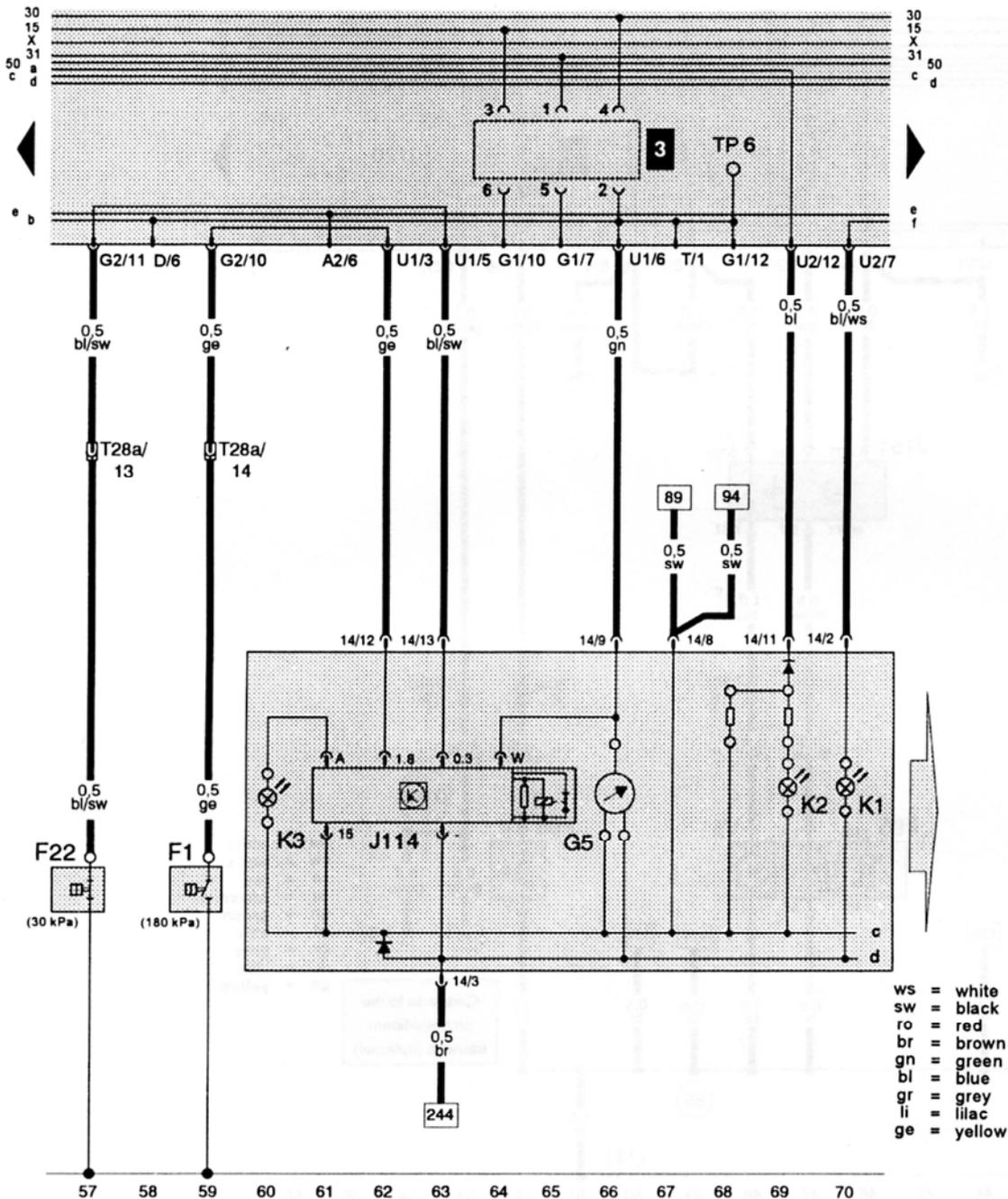
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

Connects to the air conditioner harness (optional)

- F66 - Coolant shortage indicator switch (located in the engine coolant reservoir).
- F95 - Thermo-switch for coolant circulation run-on (located in the coolant outlet spigot on the head).
- J120 - Control module for coolant shortage (production control number 42).
- J151 - Circulating pump relay (located at the bottom of the r/hand side A-post), (production control number 272).
- S15 - Fuse, 10 amp, for the circulating pump relay.
- S20 - Fuse, 10 amp, for the circulating pump and the brake lights.
- T4b/ - Connector, 4-pin, black, located in the engine compartment to the left of the number plate area.

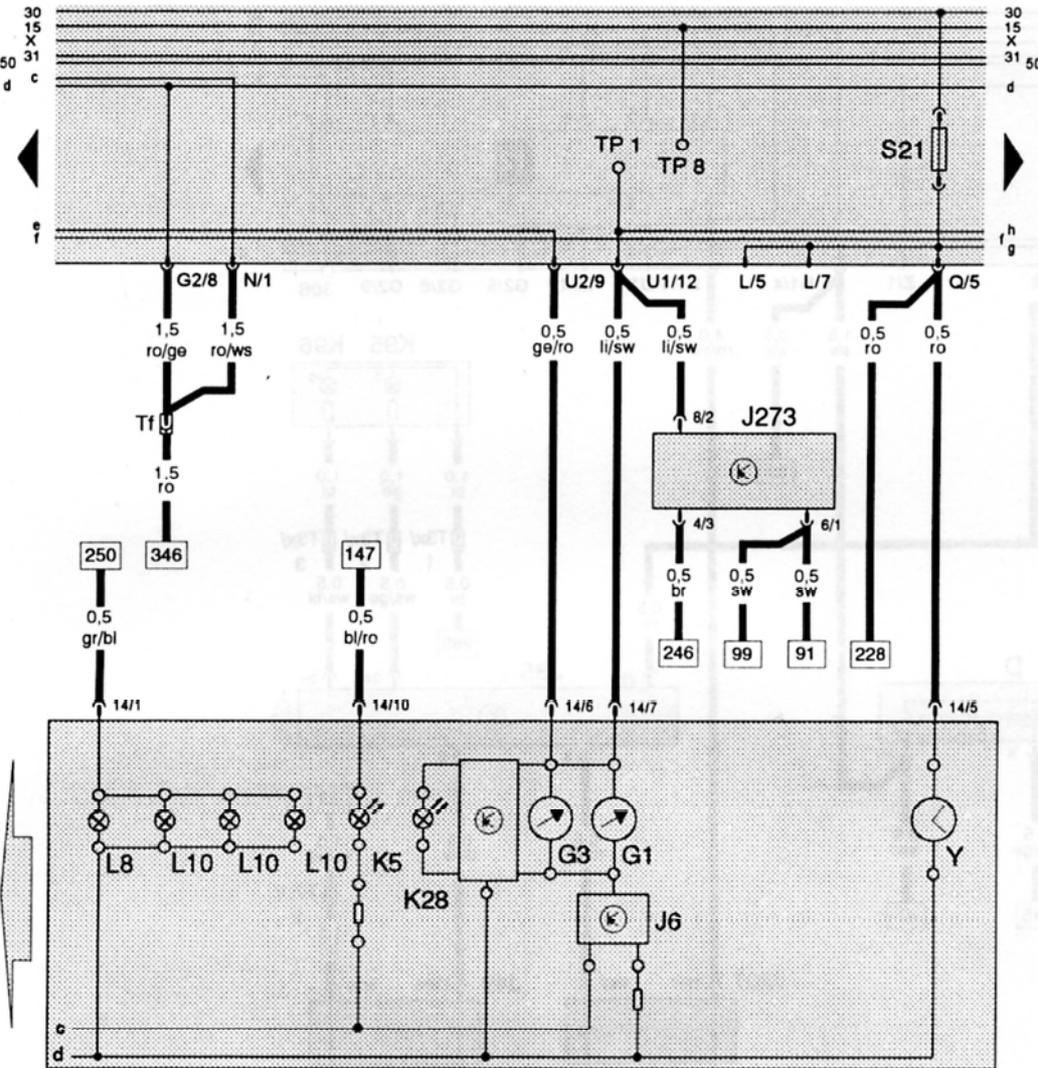
- T28a/ - Connector, 28-pin, black, located on the firewall in the right hand side of the engine compartment.
- V51 - Coolant circulating pump (located in the engine compartment).
- 13 - Earth point located on the right hand side of the engine compartment.
- 85 - Earth connection -1- in the engine wiring harness.
- D104 - Connection - 4 - in the engine wiring harness.

Dash panel insert (oil pressure warning light, oil pressure warning control module, rev counter), oil pressure switches.



- F1 - 1.8 bar oil pressure switch (located on the oil filter manifold).
- F22 - 0.3 bar oil pressure switch (located on the rear of the cylinder head near the distributor).
- G5 - Rev counter.
- J114 - Oil pressure warning control module and buzzer.
- K1 - High beam headlights warning light.
- K2 - Alternator warning light.
- K3 - Oil pressure warning light.
- T28a/ - Connector, 28-pin, black, located on the firewall in the right hand side of the engine compartment.

Dash panel insert (coolant temp/shortage warning light, coolant temperature gauge, fuel gauge, 10 volt regulator, analog clock, instrumentation illumination), fuel gauge damper module.

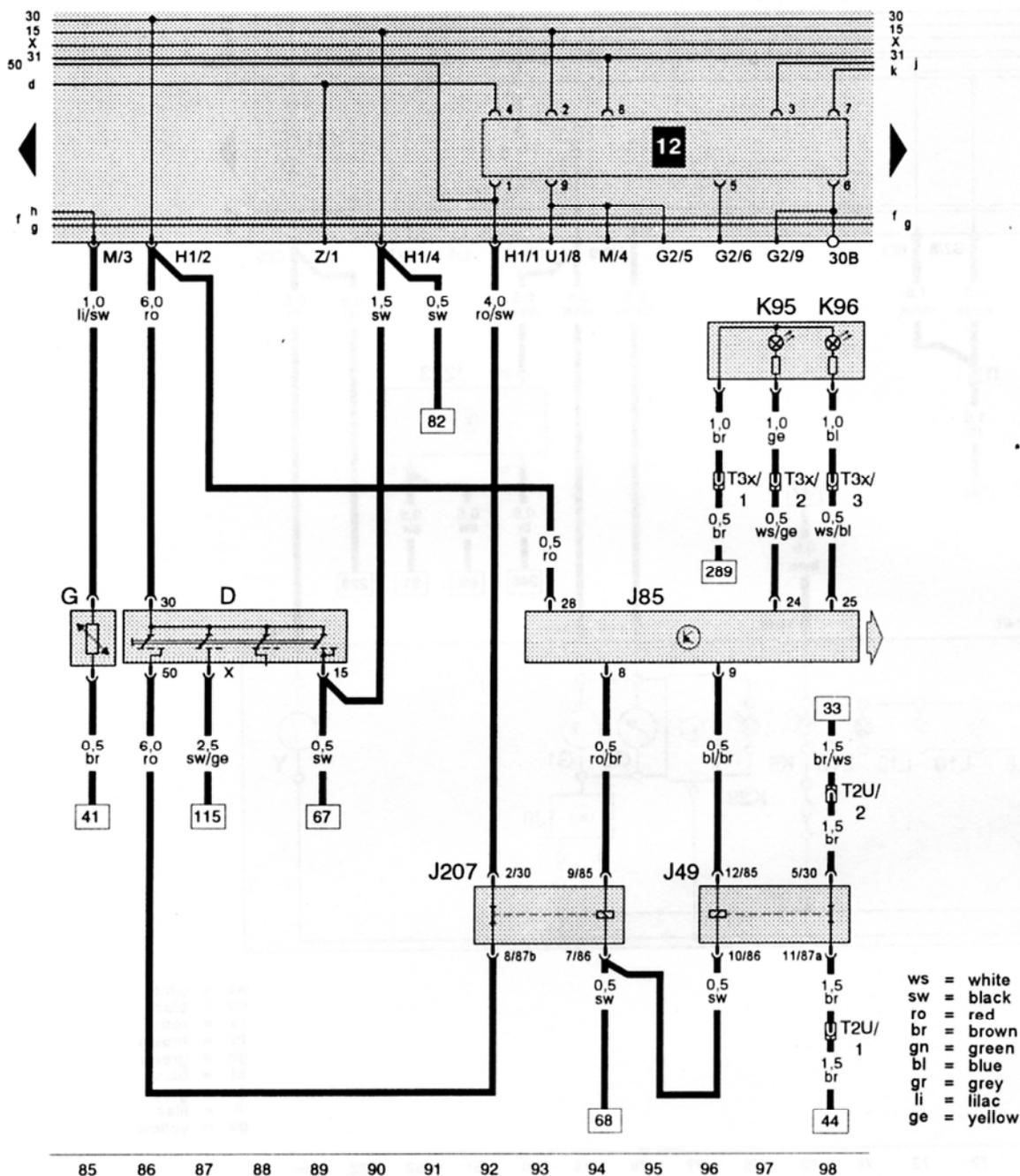


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

71 72 73 74 75 76 77 78 79 80 81 82 83 84

- G1 - Fuel gauge.
- G3 - Coolant temperature gauge.
- J6 - Voltage stabilizer (regulates at + 10V).
- J273 - Fuel gauge damper module (located on the fuse box).
- K5 - Turn signal warning light bulb.
- K28 - Warning light for coolant temperature/coolant shortage.
- L8 - Clock illumination light bulb.
- L10 - Dash panel insert illumination light bulb.
- Tf - Connector, single, white, located behind the fuse box.
- S21 - Fuse, 15 amp, for the radio and analog clock.
- Y - Analog clock.

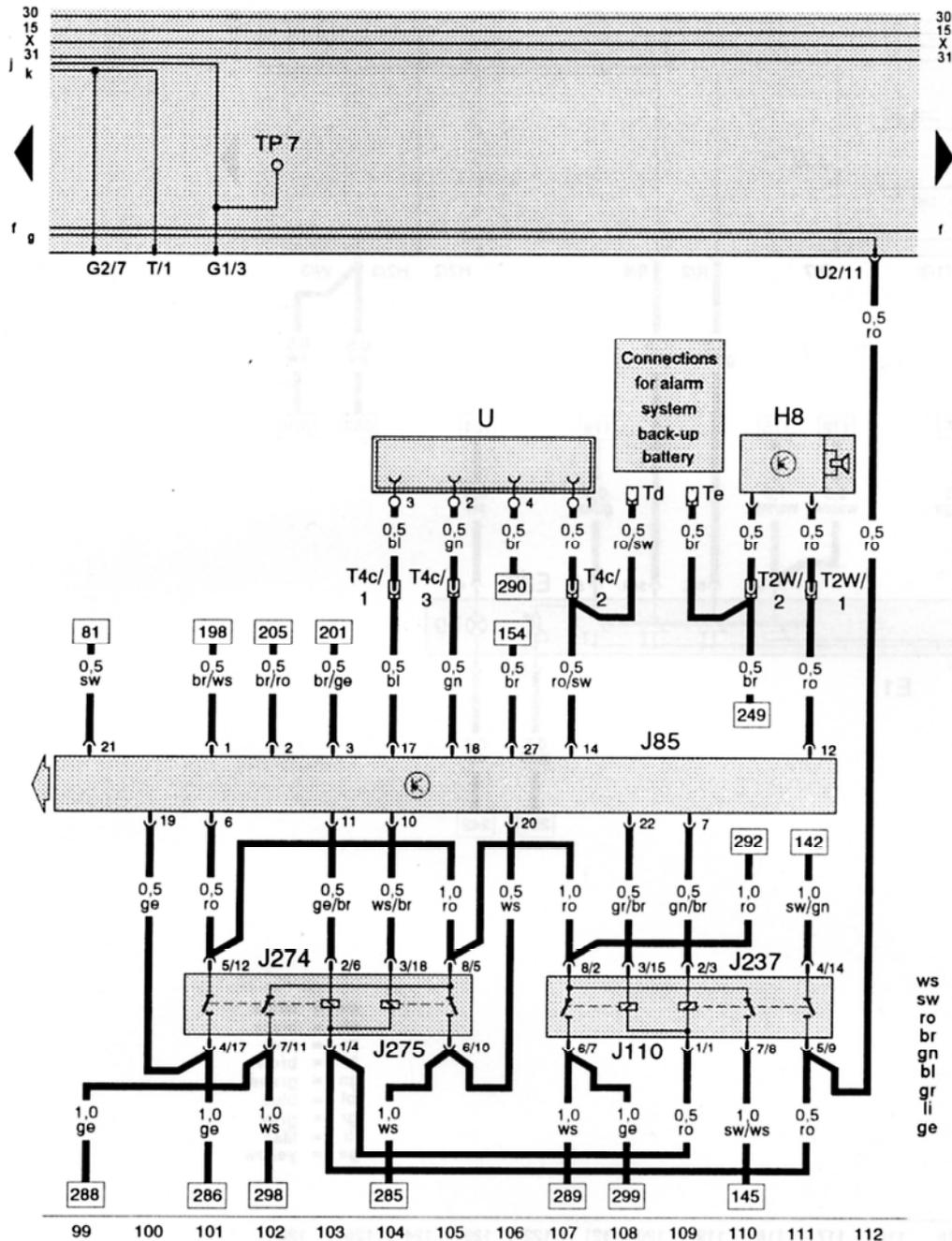
Ignition/starter switch, alarm/immobilizer control system, fuel gauge sender.



- D - Ignition/starter switch.
- G - Fuel gauge sender (located in the fuel tank).
- J49 - Fuel pump cut-out relay (production control number 206) located behind the left hand side of the dash panel.
- J85 - Alarm/immobiliser control module (located behind the left hand side of the dash panel).
- J207 - Starter cut-out relay (production control number 206) located behind the left hand side of the dash panel.
- K95 - Alarm system warning light (amber).
- K96 - Engine immobiliser warning light (red).
- T2U/ - Connector, 2-pin, black, located behind the fuse box.

T3x/ - Connector, 3-pin, white, located behind the dash panel insert.

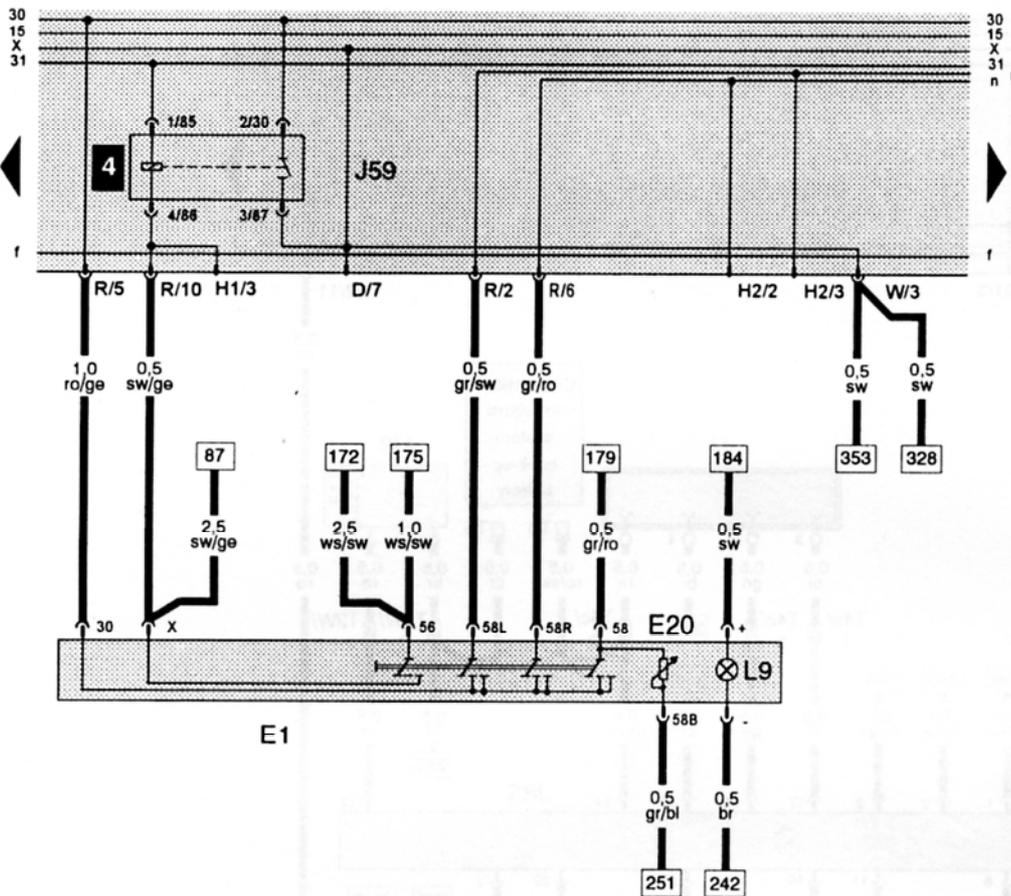
Alarm/immobilizer control system.



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

- H8 - Alarm system horn (located behind the radiator grill).
- J85 - Alarm/immobiliser control module (located behind the left hand side of the dash panel).
- J110 - Selective unlocking 'select' relay (production control number 13) located behind the left hand side of the dash panel.
- J237 - Hazard light relay for the alarm system (production control number 13) located behind the left hand side of the dash panel.
- J274 - Central locking 'lock' relay (production control number 13) located behind the left hand side of the dash panel.
- J275 - Central locking 'unlock' relay (production control number 13) located behind the left hand side of the dash panel.
- Td - Connector, single, (terminal covered with a black neoprene sleeve), located behind the left hand side of the dash panel.
- Te - Connector, single, (bare terminal), located behind the left hand side of the dash panel.
- T2W/ - Connector, 2-pin, white, located under the carpet at the front left hand side footwell.
- T4c/ - Connector, 4-pin, black, located behind the steering column covering panel.
- U - Alarm system override socket (located in the steering column covering panel).

Lighting switch.

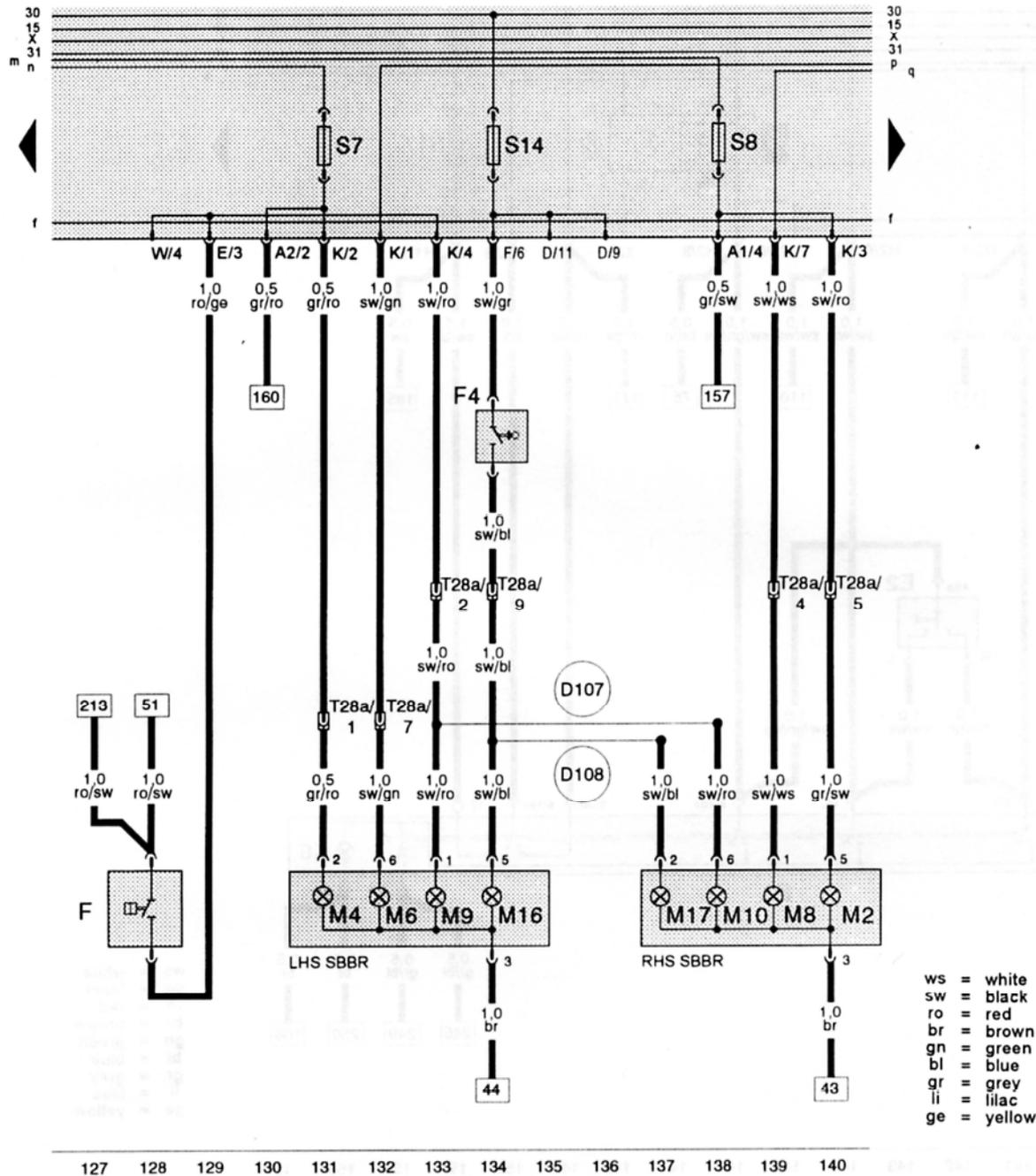


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

113 114 115 116 117 118 119 120 121 122 123 124 125 126

- E1 - Lighting switch.
- E20 - Control potentiometer for the instrumentation illumination.
- J59 - X-relief relay (production control number 18).
- L9 - Lighting switch light bulb.

Left and right rear light clusters (SBBR lights), brake light switch, reverse light switch.

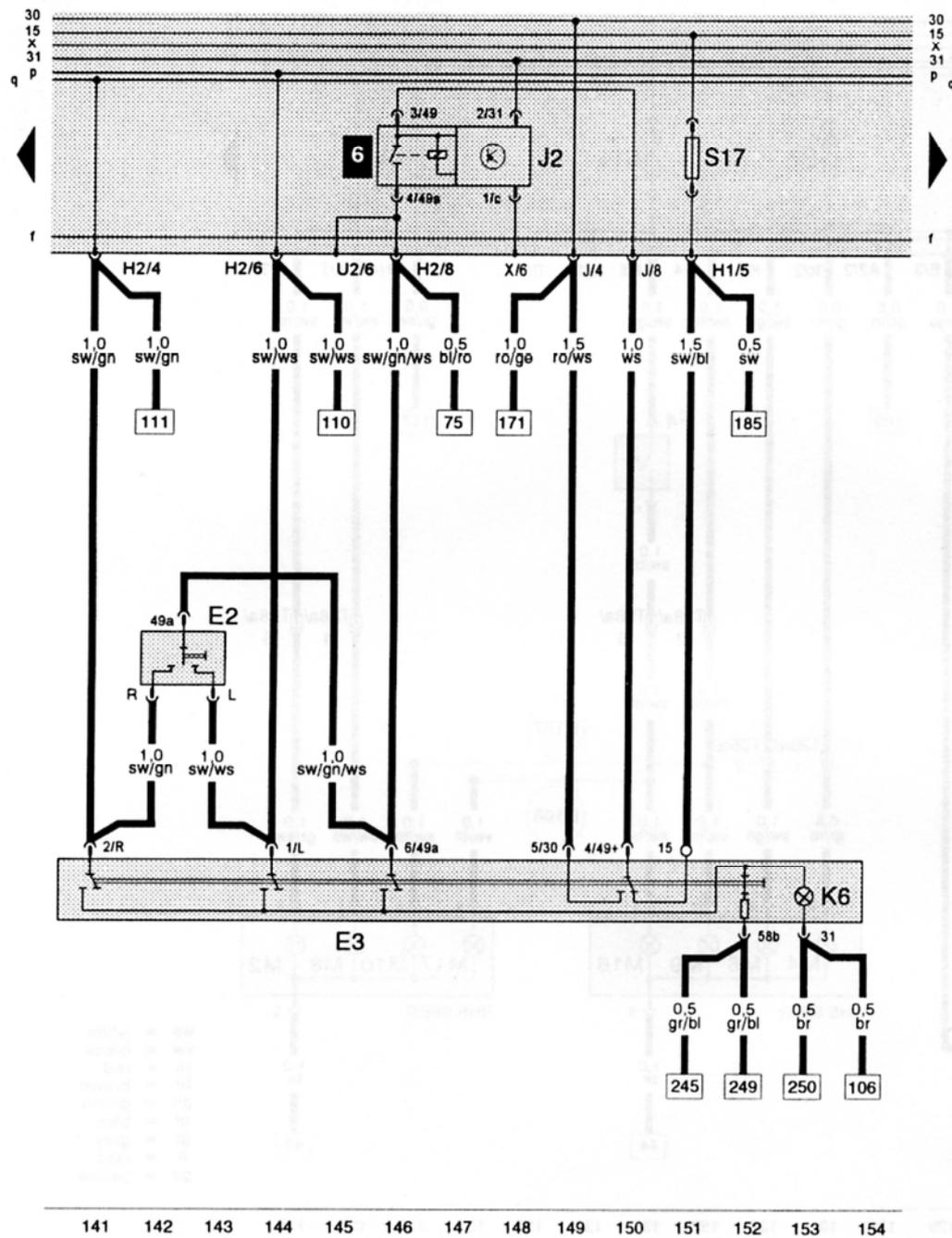


ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

- F - Brake light switch (located on the brake booster behind the instrument cluster).
- F4 - Reverse light switch (located on the gearbox).
- M2 - Tail light bulb, right hand side.
- M4 - Tail light bulb, left hand side.
- M8 - Rear right hand side turn signal bulb.
- M6 - Rear left hand side turn signal bulb.
- M10 - Brake light bulb, right hand side.
- M9 - Brake light bulb, left hand side.
- M17 - Reverse light bulb, right hand side.
- M16 - Reverse light bulb, left hand side.
- S7 - Fuse, 10 amp, for the right hand side park light and left hand side tail light bulbs.

- S8 - Fuse, 10 amp, for the left hand side park light and right hand side tail light bulbs.
- S14 - Fuse, 15 amp, for the reverse lights.
- T28a/ - Connector, 28-pin, black, located on the firewall in the right hand side of the engine compartment.
- D107 - Connection - 5 - (brake lights) in the engine wiring harness.
- D108 - Connection - 6 - (reverse lights) in the engine wiring harness.

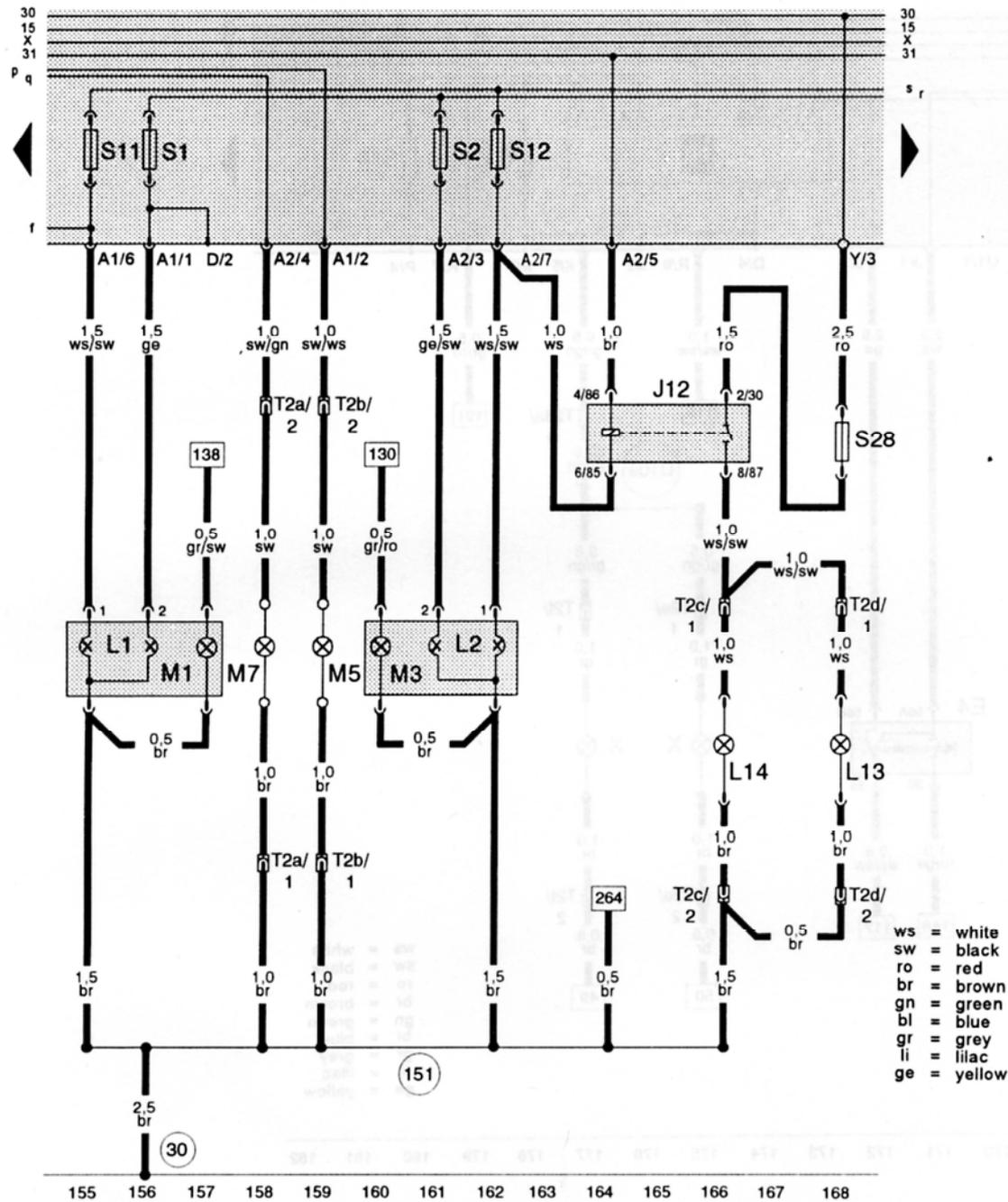
Turn signal switch, emergency light switch.



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

- E2 - Turn signal switch.
- E3 - Emergency light switch.
- J2 - Emergency/hazard light relay (production control number 21).
- K6 - Emergency light system warning lamp.
- S17 - Fuse, 10 amp, for the turn signals and the emergency/hazard light relay.

Headlights, main beam headlights, park lights.

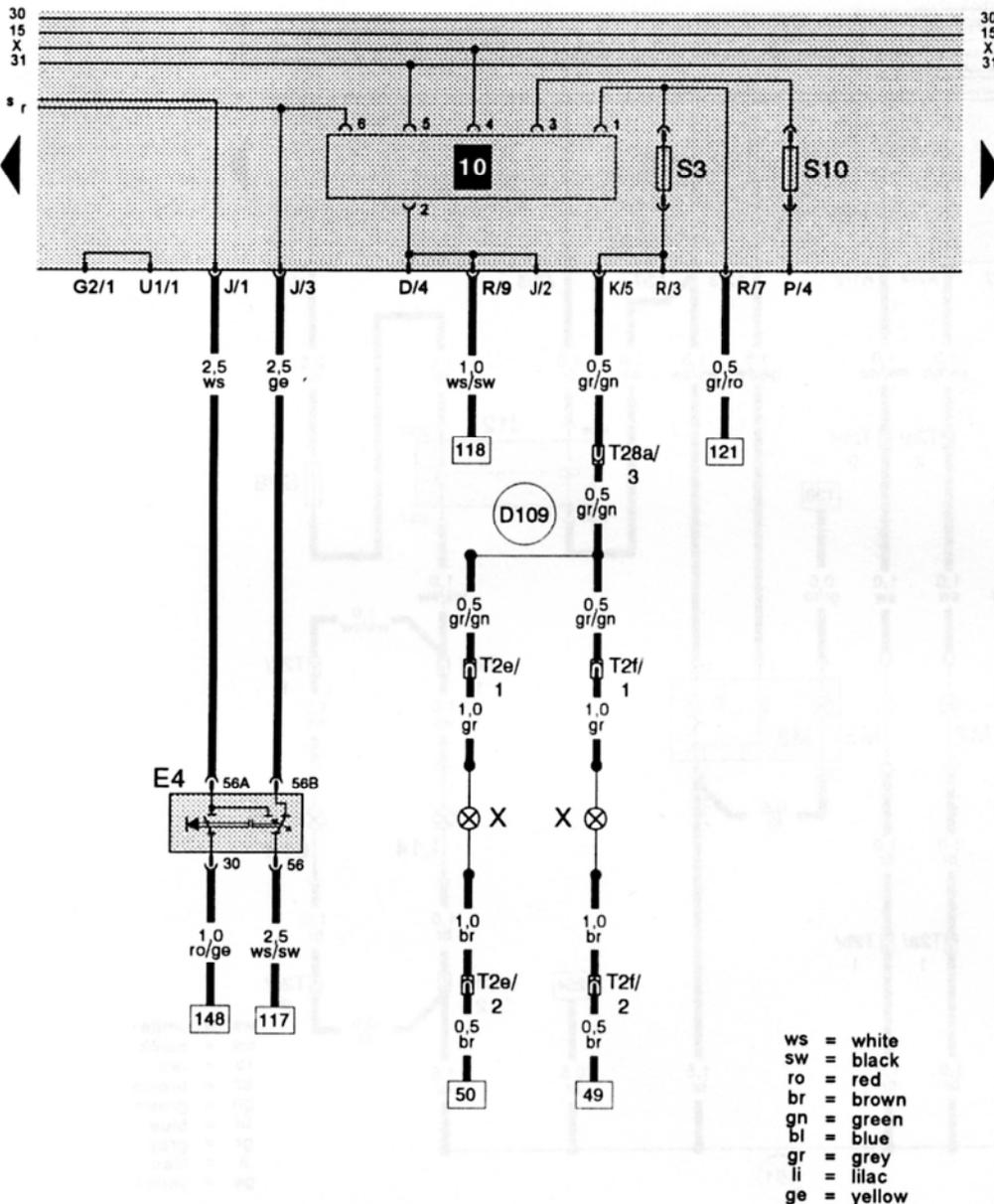


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

- J12 - Main beam headlight relay (production control number 53), located on the fuse box.
- L1 - Twin filament headlight bulb, left hand side.
- L2 - Twin filament headlight bulb, right hand side.
- L13 - Main beam headlight bulb, left hand side.
- L14 - Main beam headlight bulb, right hand side.
- M1 - Park light bulb, left hand side.
- M3 - Park light bulb, right hand side.
- M5 - Front left hand side turn signal bulb.
- M7 - Front right hand side turn signal bulb.
- S1 - Fuse, 10 amp, low beam (dim), left hand side.
- S2 - Fuse, 10 amp, low beam (dim), right hand side.
- S11 - Fuse, 10 amp, high beam (bright), left hand side.
- S12 - Fuse, 10 amp, high beam (bright), right hand side.

- S28 - Fuse, 15 amp, for the main beam headlights (located on the fuse box).
- T2a/ - Connector, 2-pin, black, located behind the front right hand side turn signal lens assembly.
- T2b/ - Connector, 2-pin, black, located behind the front left hand side turn signal lens assembly.
- T2c/ - Connector, 2-pin, white, located behind the right hand side headlight.
- T2d/ - Connector, 2-pin, white, located behind the left hand side headlight.
- (30) - Earth point located at the bottom of the right hand side A-post, near the fuse box.
- (151) - Earth connection (31) inside the front wiring harness.

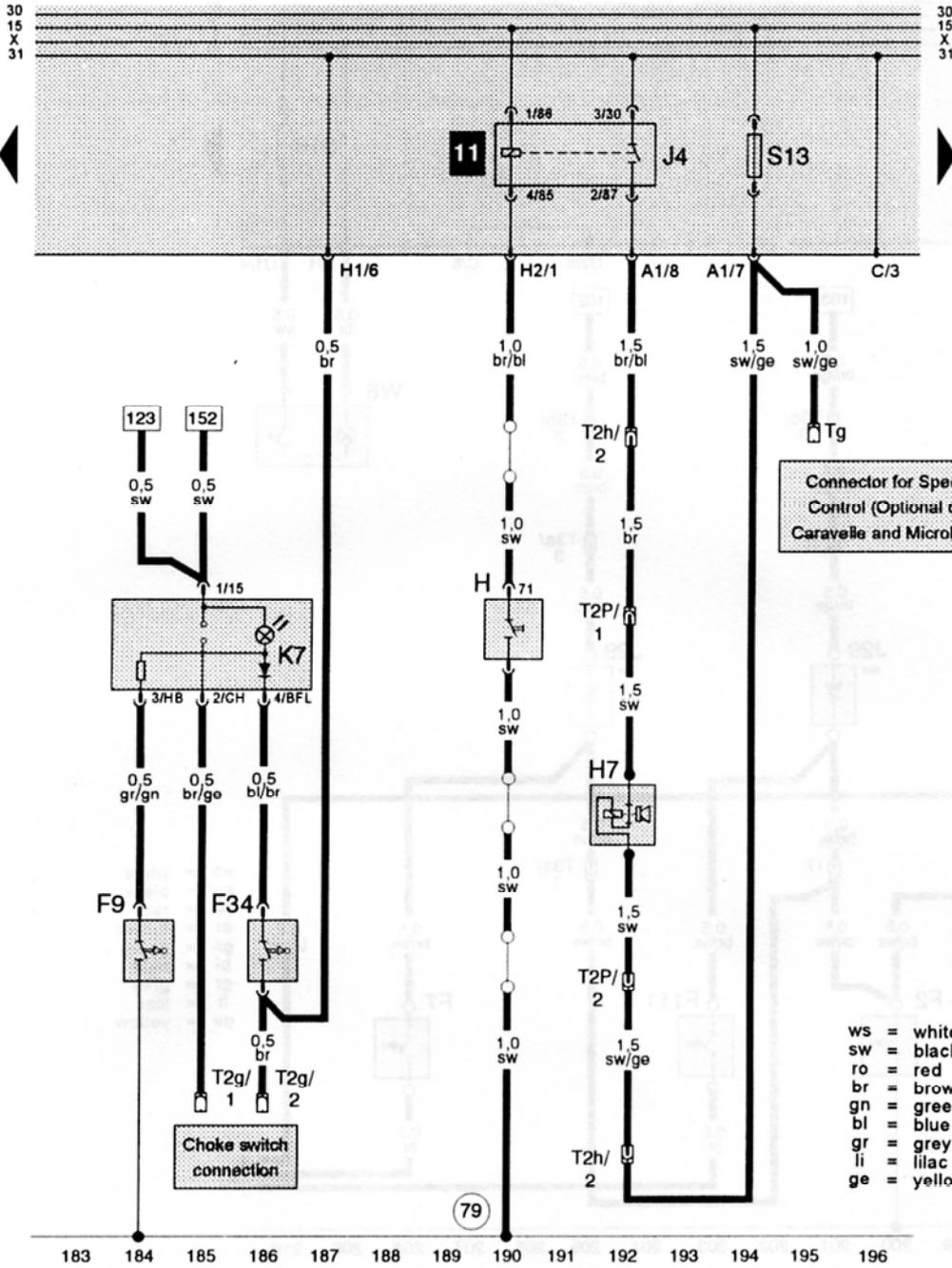
Headlight dipper/flasher switch, number plate lights.



169 170 171 172 173 174 175 176 177 178 179 180 181 182

- E4 - Headlight dipper/flasher switch.
- S3 - Fuse, 15 amp, for the number plate lights.
- S10 - Fuse, 10 amp, spare.
- T2e/ - Connector, 2-pin, white, in the engine compartment near the number plate.
- T2f/ - Connector, 2-pin, white, in the engine compartment near the number plate.
- T28a/ - Connector, 28-pin, black, located on the firewall in the engine compartment.
- X - Number plate lights.
- D109 - Connection -7- (number plate lights) in the engine harness.

Horn, handbrake switch, brake fluid level switch, dual brake/handbrake warning light.



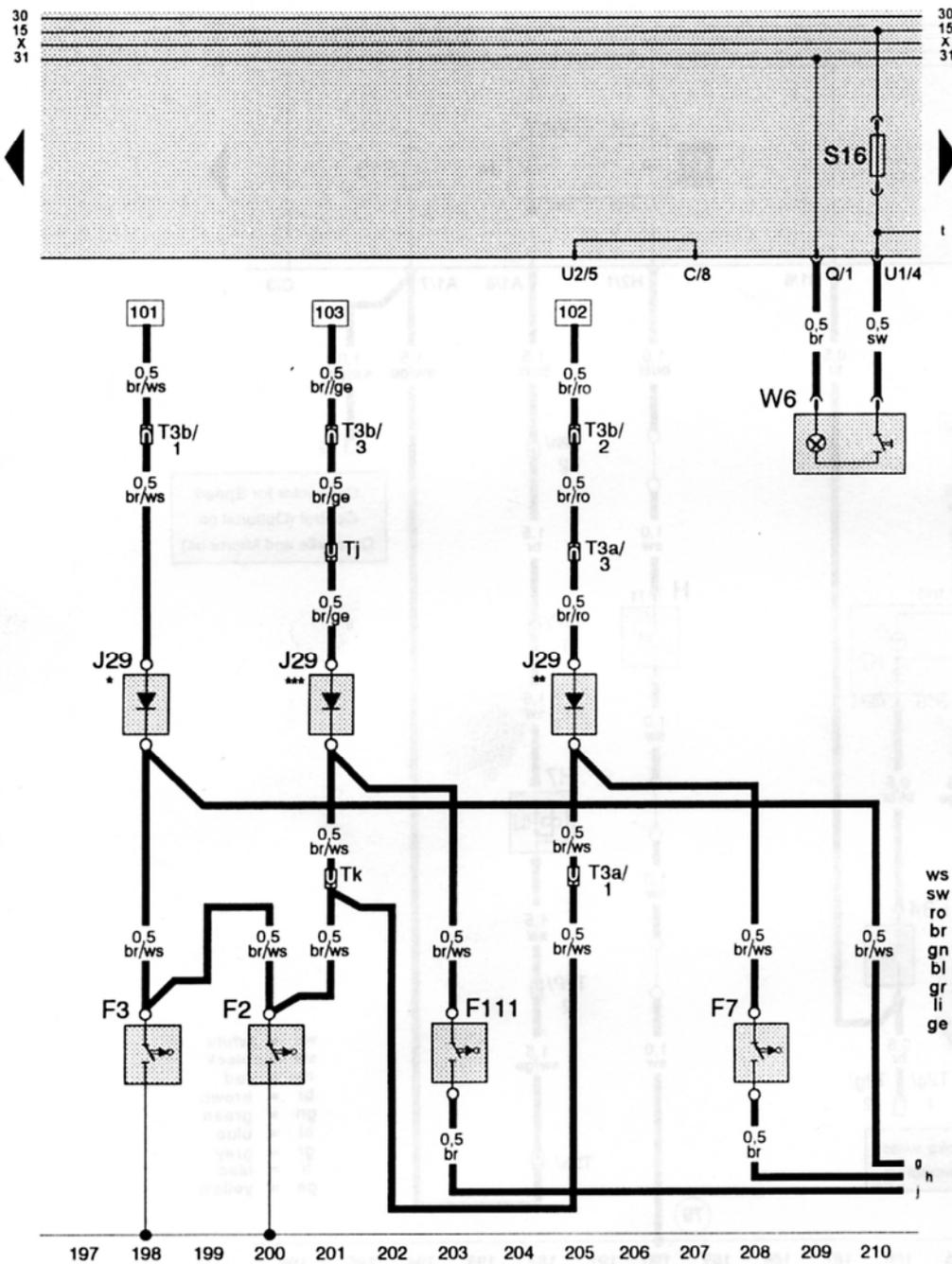
Connector for Speed Control (Optional on Caravelle and Microbus)

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

- F9 - Handbrake warning switch (located at the handbrake lever).
- F34 - Brake fluid level warning switch (located in the brake fluid filler bottle behind the instrument cluster).
- H - Horn plate.
- H7 - Low tone horn (located beneath the vehicle at the front right hand side).
- J4 - Horn relay (production control number 53).
- K7 - Dual circuit brake and handbrake warning light.
- S13 - Fuse, 10 amp, for the horn.
- Tg - Connector, single, black, located behind the fuse box.

- T2h/ - Connector, 2-pin, white, located behind the choke pull-lever.
- T2P/ - Connector, 2-pin, black, located underneath the front right hand side of the vehicle on the horn.
- 79 - Earth point located underneath the vehicle at the steering box.

Glove box light, front door contact switches, sliding door contact switch, tailgate contact switch, blocking diodes.

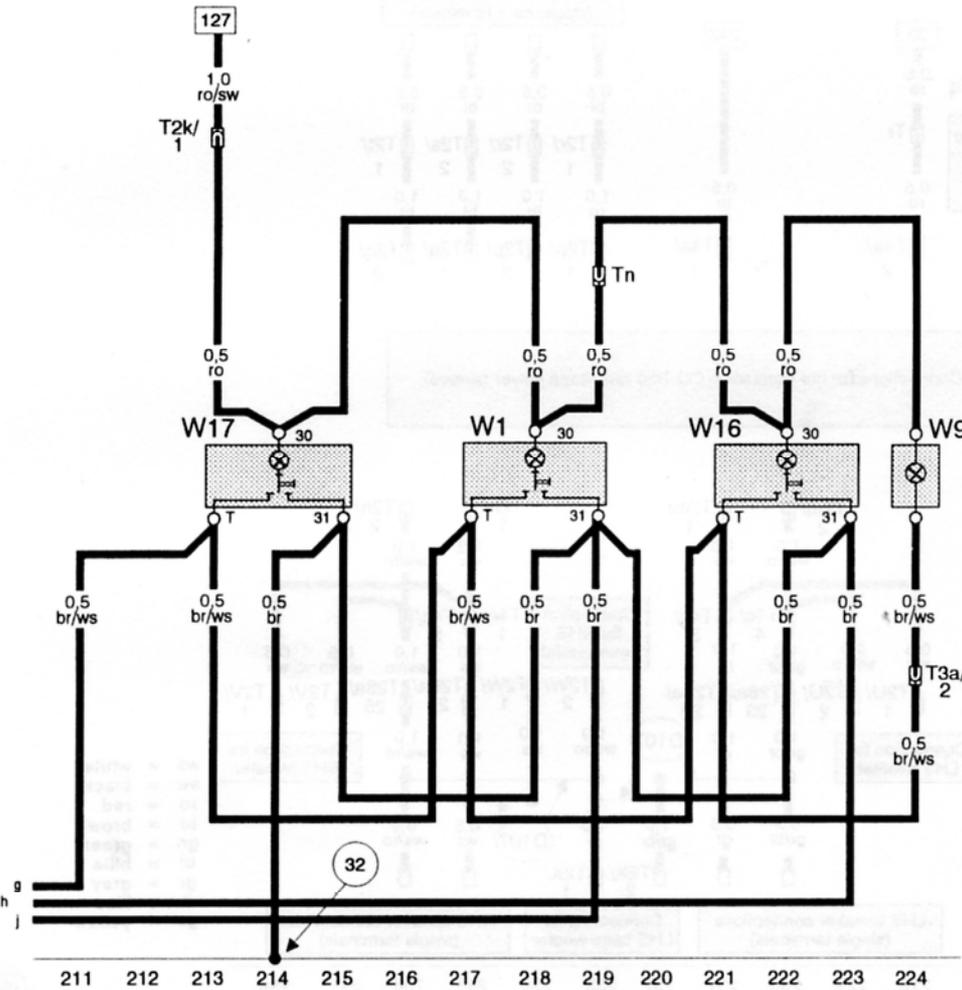
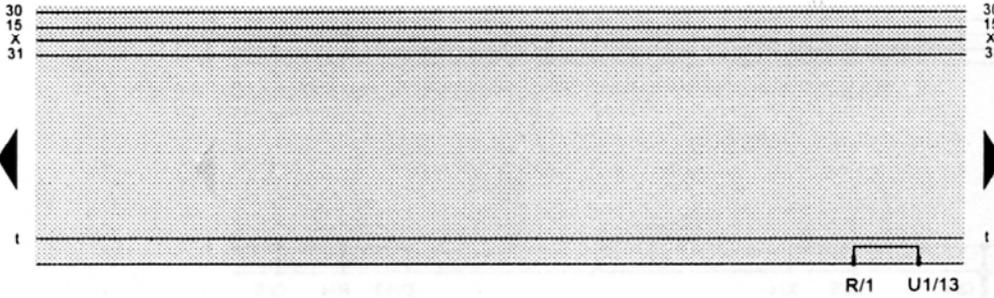


ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

- F2 - Passenger door contact switch.
- F3 - Driver's door contact switch.
- F7 - Sliding door contact switch.
- F111 - Tailgate contact switch.
- J29 - Blocking diode for the alarm system, locations are;
 - * - behind the dash panel, left hand side.
 - ** - behind the passenger side interior light.
 - *** - behind the rear interior light.
- S16 - Fuse, 15 amp, for the glove box light.
- Tj - Connector, single, red, located behind the rear interior light.

- Tk - Connector, single, white, located behind the rear interior light.
- T3a/ - Connector, 3-pin, white, located behind the passenger side interior light.
- T3b/ - Connector, 3-pin, white, located behind the left hand side of the dash panel, at the alarm control module.
- W6 - Glove box light.

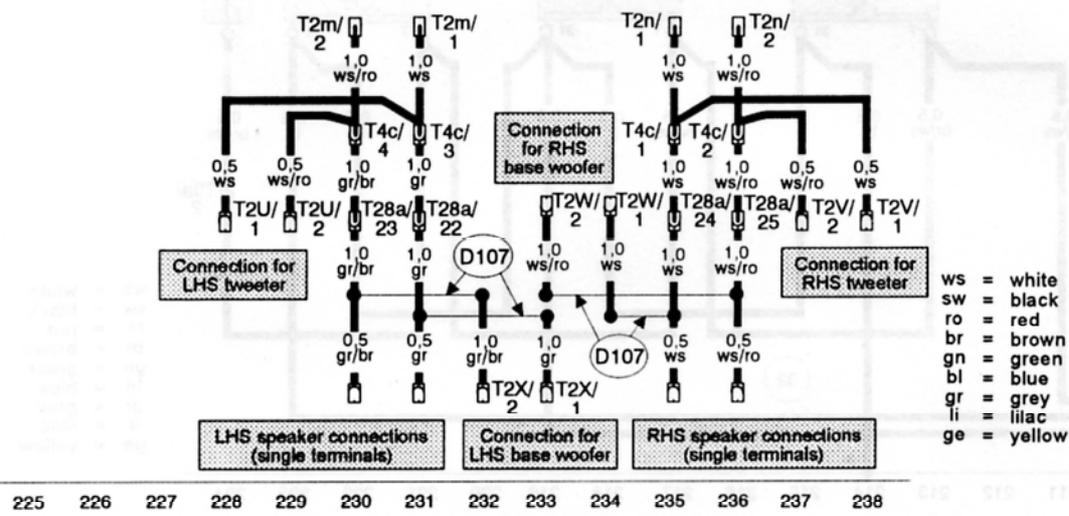
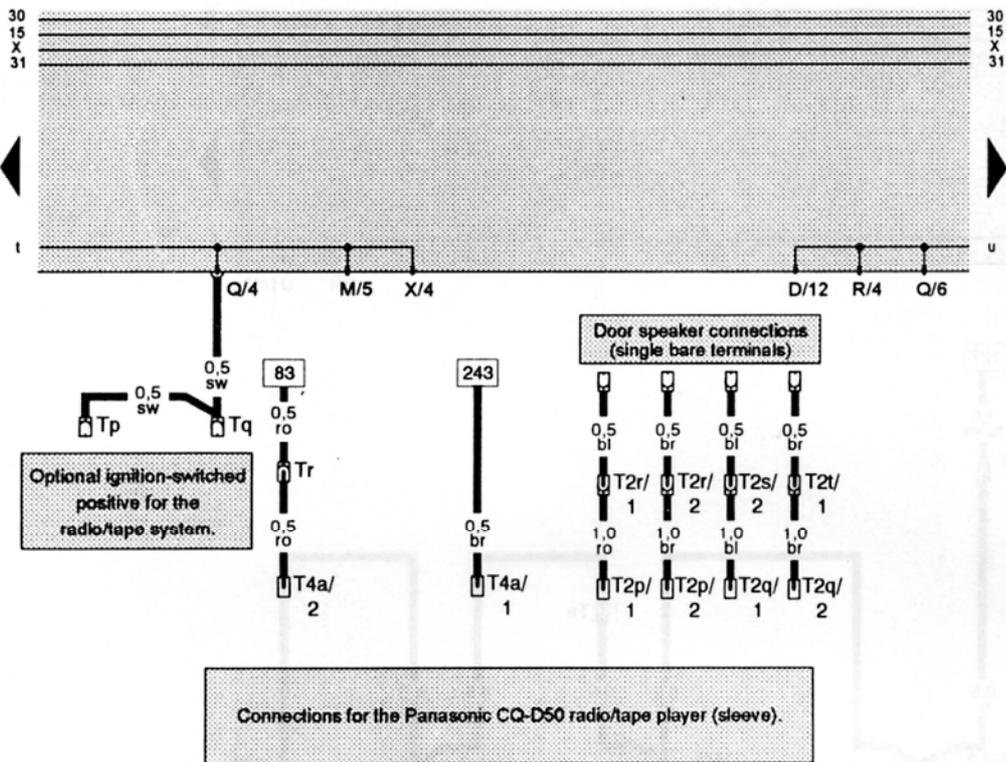
Interior lights.



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

- Tn - Connector, single, white, located behind the passenger side interior light.
- T2k/ - Connector, 2-pin, white, located behind the left hand side of the dash panel.
- T3a/ - Connector, 3-pin, white, located behind the passenger side interior light.
- W1 - Rear interior light.
- W9 - Sliding door steplight.
- W16 - Passenger side interior light.
- W17 - Driver's side interior light.
- (32) - Earth point located behind the left hand side of the dash panel.

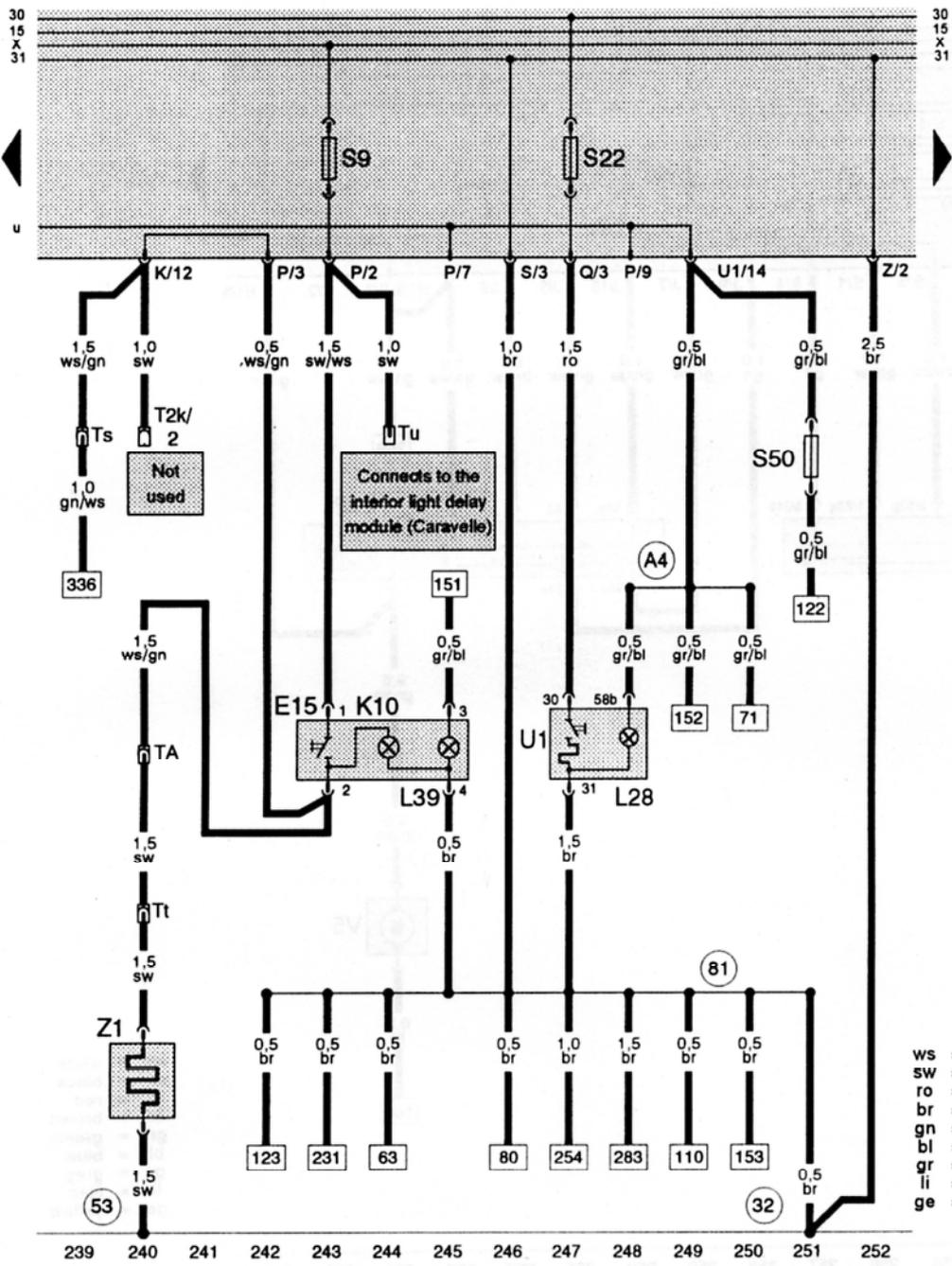
Connections for Panasonic CQRD-45F radio/tape player.



- Tp - Connector, single, white, behind the radio blanking plate.
- Tq - Connector, single, white, behind the radio blanking plate.
- Tr - Connector, single, white, behind the radio blanking plate.
- T2m/ - Connector, 2-pin, white, located behind the radio blanking plate.
- T2n/ - Connector, 2-pin, black, located behind the radio blanking plate.
- T2p/ - Connector, 2-pin, black, located behind the radio blanking plate.
- T2q/ - Connector, 2-pin, black, located behind the radio blanking plate.
- T2r/ - Connector, 2-pin, black, located behind the left hand side of the dash panel.
- T2s/ - Connector, 2-pin, brown, located behind the fuse box.
- T2t/ - Connector, 2-pin, white, located behind the fuse box.

- T2U/ - Connector, 2-pin, black, located behind the left hand side tweeter.
- T2V/ - Connector, 2-pin, black, located behind the right hand side tweeter.
- T2W/ - Connector, 2-pin, black, located below the Motronic module.
- T2X/ - Connector, 2-pin, black, located below the Motronic module.
- T4a/ - Connector, 4-pin, white, located behind the radio blanking plate.
- T4c/ - Connector, 4-pin, red, located behind the fuse box.
- T28a/ - Connector, 28-pin, black, located in the engine bay on the right hand side of the firewall.
- D107 - Rear speaker connections located inside the engine harness.

Heated rear window, cigarette lighter.

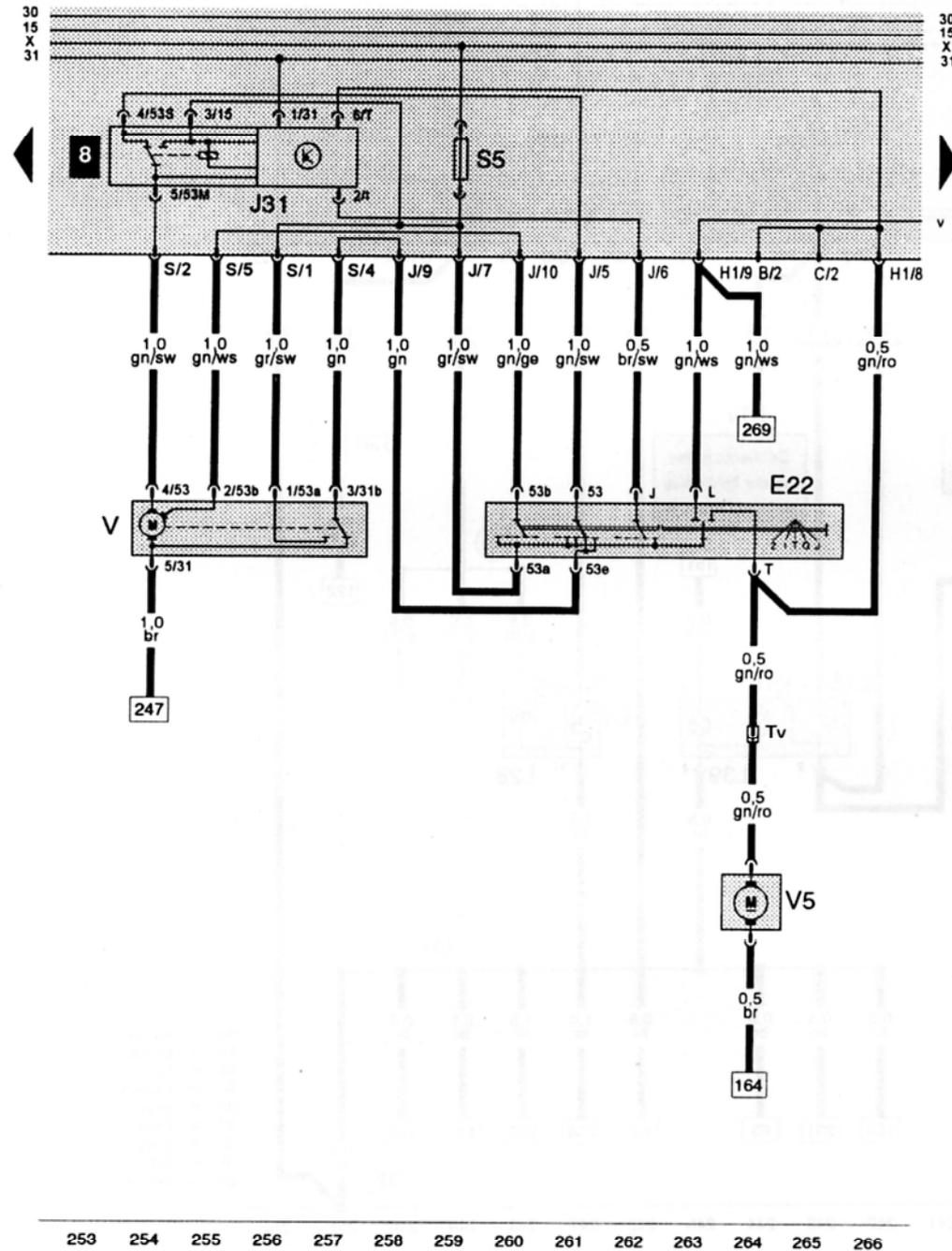


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

- E15 - Heated rear window switch.
- K10 - Heated rear window warning light.
- L28 - Illumination bulb for the cigarette lighter.
- L39 - Illumination bulb for the heated rear window switch.
- S9 - Fuse, 20 amp, for the heated rear window and the interior light delay module.
- S22 - Fuse, 10 amp, for the cigarette lighter.
- S50 - Fuse, 10 amp, for instrumentation illumination (attached to the top of the fuse box).
- Ts - Connector, single, yellow, located behind the fuse box.
- Tt - Connector, single, white/yellow, located behind the interior light.
- Tu - Connector, single, red/yellow, located behind the left hand side of the dash panel.

- TA - Connector, single, blue/red, located behind the left hand side of the dash panel.
- T2k/ - Connector, 2-pin, white, located behind the left hand side of the dash panel.
- U1 - Cigarette lighter.
- Z1 - Heating element for the heated rear window.
- (A4) - Positive connection (58b) inside the dash panel wiring harness.
- (32) - Earth point located on the earth rosette behind the left hand side of the dash panel.
- (53) - Earth point located at the heated rear window connection on the right hand side of the tailgate.
- (81) - Earth connection (1) inside the dash panel wiring harness.

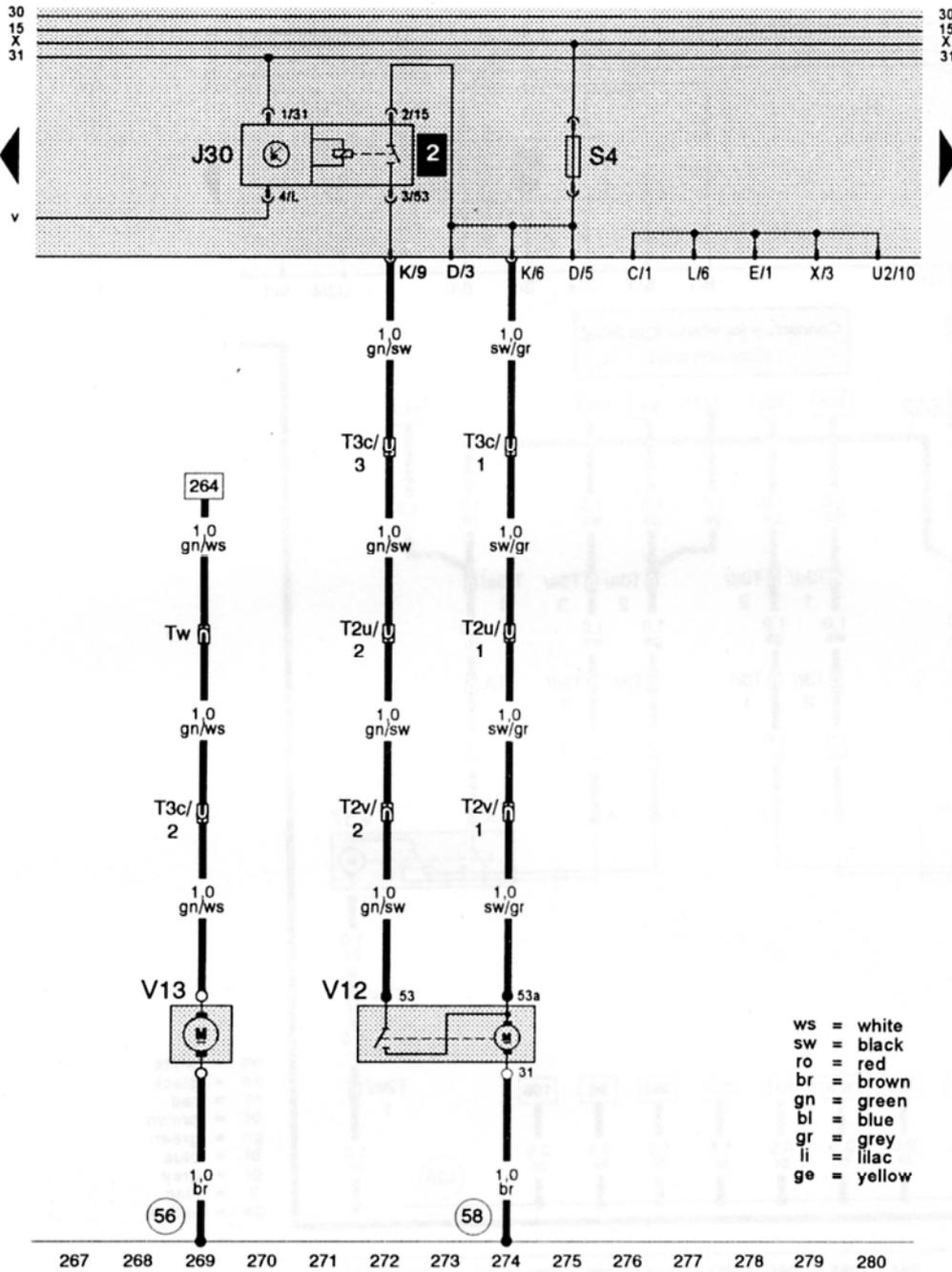
Windscreen wiper and washer system.



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

- E22 - Wiper switch.
- J31 - Intermittent wash/wipe relay (production control number 19).
- S5 - Fuse, 15 amp, for the windscreen washer and wipers.
- Tv - Connector, single, yellow, located behind the fuse box.
- V - Windscreen wiper motor (located behind the glove box).
- V5 - Windscreen washer pump (located in the water filler bottle at the front left hand side of the vehicle behind the bumper).

Rear windscreen wiper and washer system.

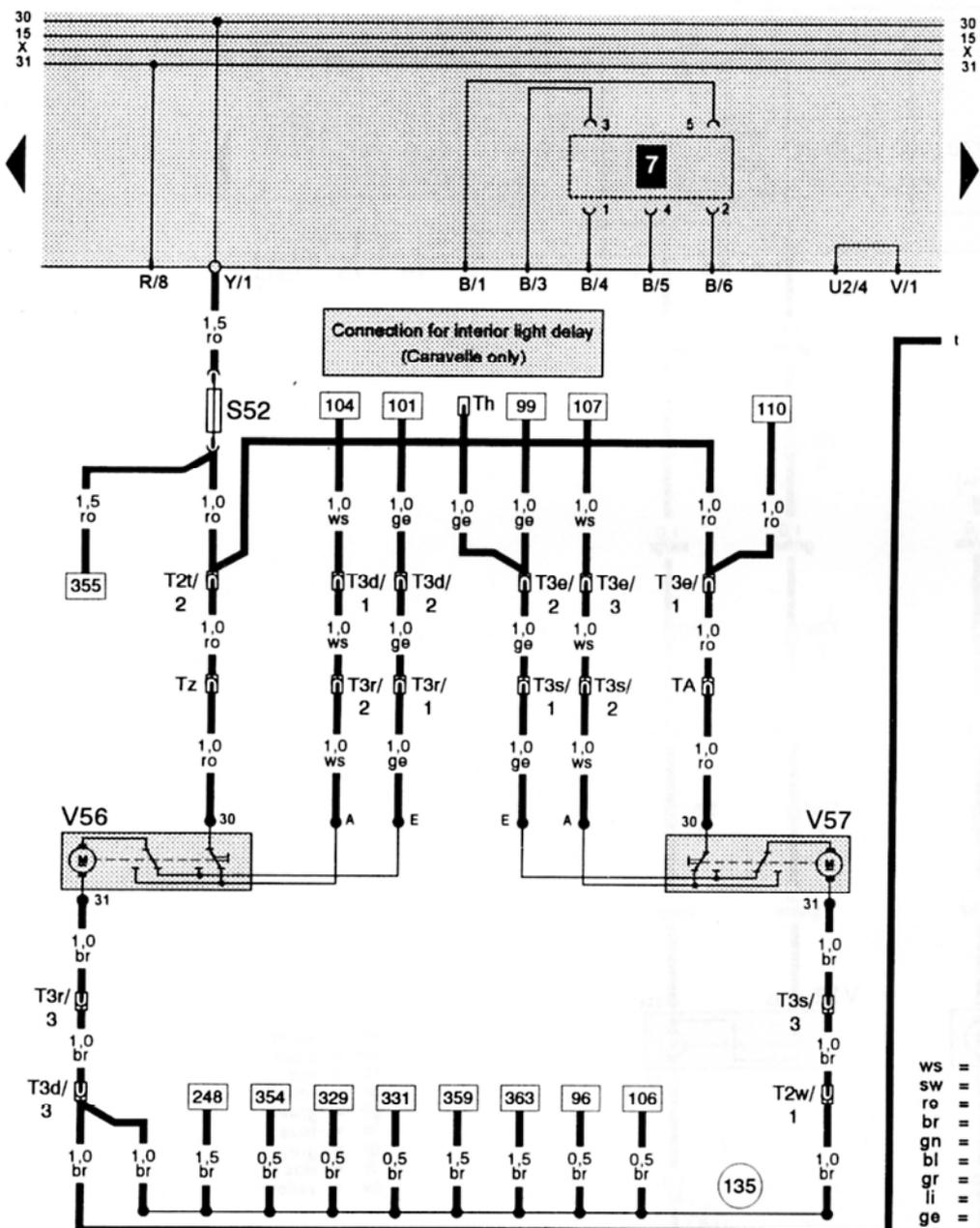


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

- J30 - Intermittent rear wash/wipe relay (production control number 72).
- S4 - Fuse, 15 amp, for the rear wiper motor.
- Tw - Connector, single, white, located behind the fuse box.
- T2u/ - Connector, 2-pin, white, located under the roof lining at the right hand side D-post.
- T2v/ - Connector, 2-pin, white, located in the tailgate on the wiper motor.
- T3c/ - Connector, 3-pin, white, located behind the fuse box.
- V12 - Rear wiper motor.

- V13 - Rear window washer pump (located near the lower right hand side D-post).
- 56 - Earth point located at the rear window washer filler bottle.
- 58 - Earth point located in the tailgate near the rear wiper motor.

Central locking system - front doors.

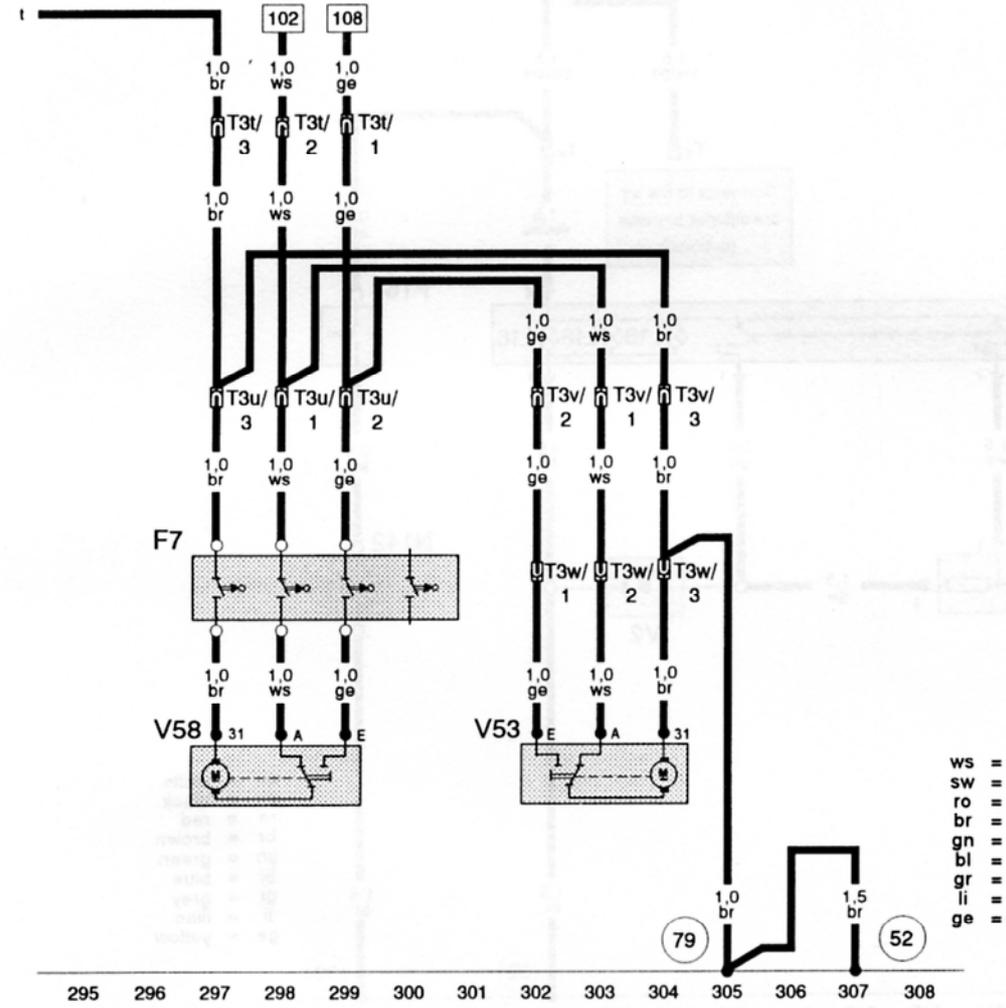
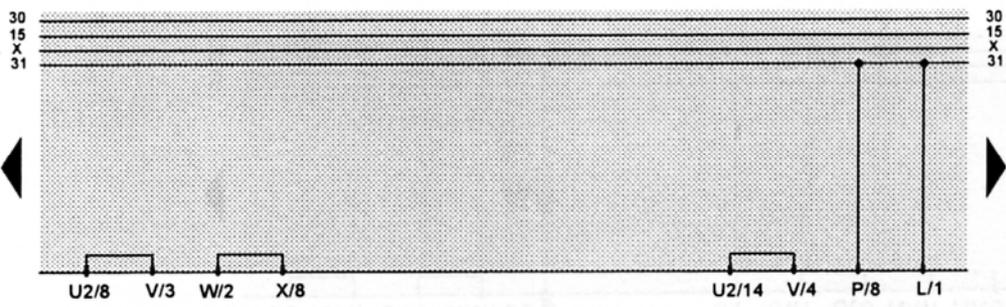


281 282 283 284 285 286 287 288 289 290 291 292 293 294

- S52 - Fuse, 20 amp, for the central locking system (located on top of the fuse box).
- TA - Connector, single, white, located in the driver's door near the locking mechanism.
- Th - Connector, single, white, located behind the left hand side of the dash panel.
- Tz - Connector, single, white, located in the passenger door near the locking mechanism.
- T2t/ - Connector, 2-pin, white, located behind the fuse box.
- T2w/ - Connector, 2-pin, brown, located behind the left hand side of the dash panel.
- T3d/ - Connector, 3-pin, black, located behind the fuse box.

- T3e/ - Connector, 3-pin, black, located behind the left hand side of the dash panel.
- T3r/ - Connector, 3-pin, white, located in the driver's door near the locking mechanism.
- T3s/ - Connector, 3-pin, white, located in the passenger door near the locking mechanism.
- V56 - Central locking motor, driver's door.
- V57 - Central locking motor, passenger door.
- (135) - Earth connection -2- inside the dash panel wiring harness.

Central locking system - sliding door and tailgate.

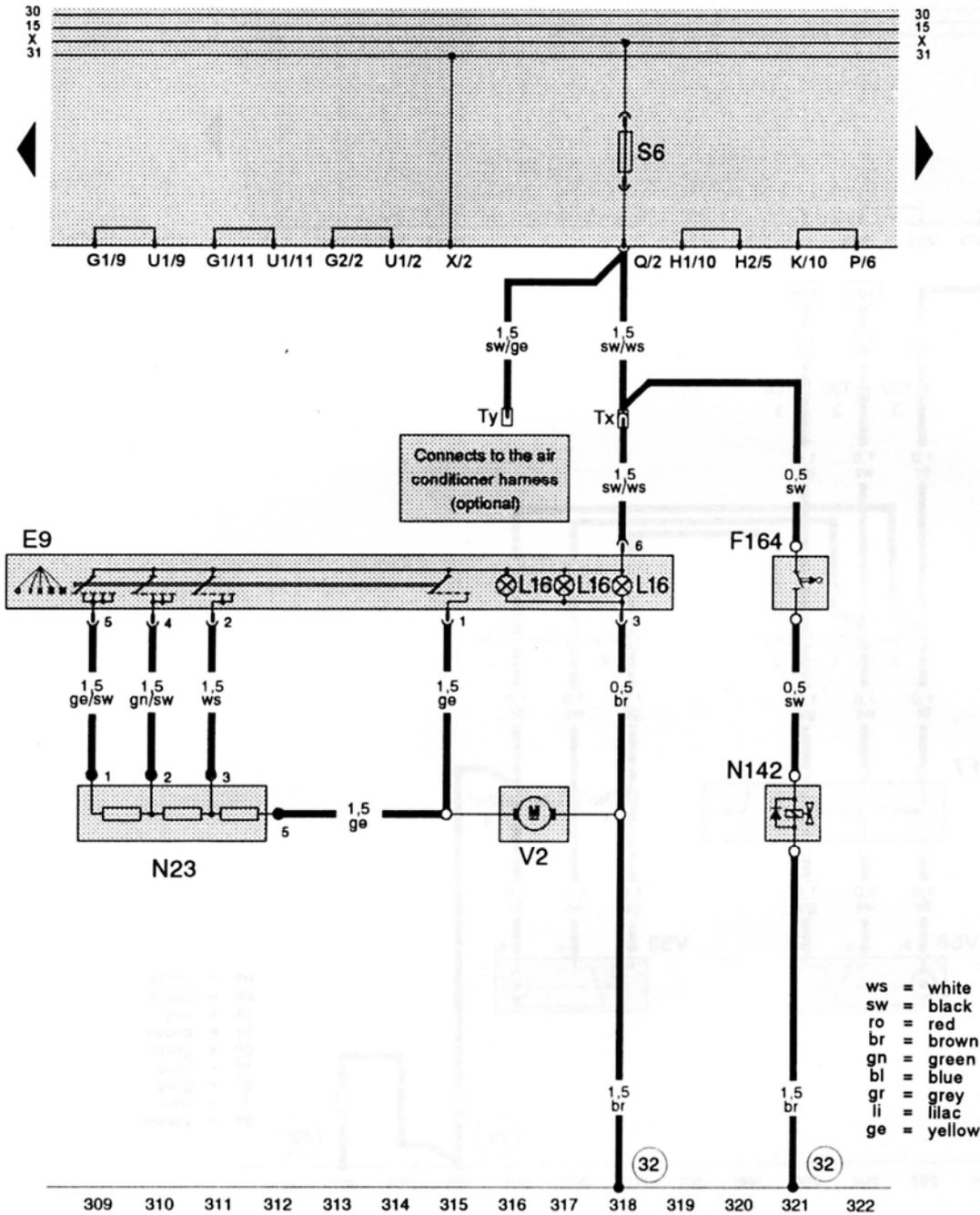


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

- F7 - Sliding door contact switch.
- T3t/ - Connector, 3-pin, black, located behind the fuse box.
- T3u/ - Connector, 3-pin, white, located behind the passenger-side interior light assembly.
- T3v/ - Connector, 3-pin, white, located behind the rear interior light assembly.
- T3w/ - Connector, 3-pin, black, located in the tailgate at the central locking motor.
- V53 - Central locking motor located in the tailgate.
- V58 - Central locking motor located in the sliding door.
- (79) - Earth point located under the roof lining on the rear left hand side.

- (52) - Earth point located on the upper left hand side of the tailgate.

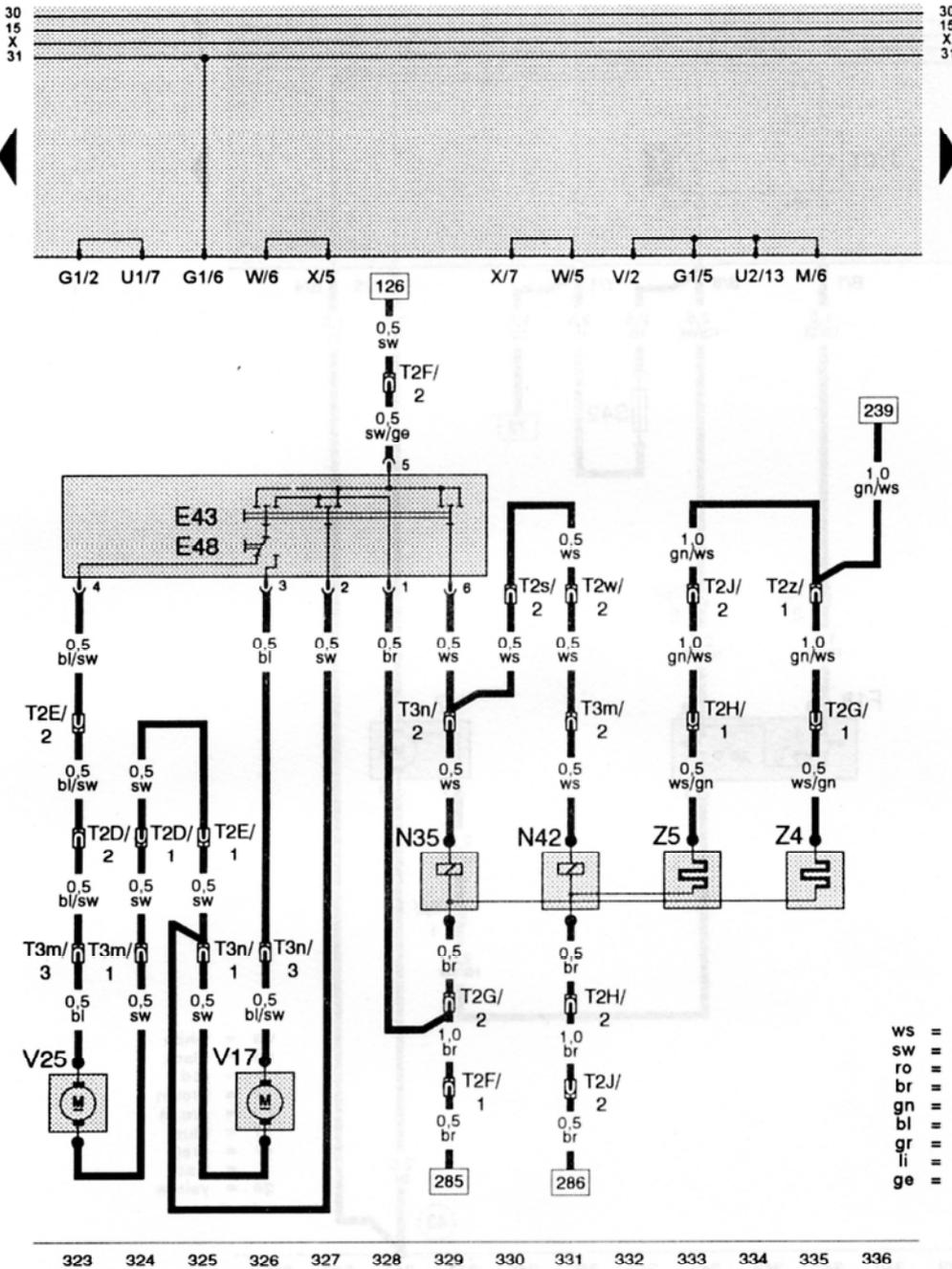
Fresh air blower system.



- E9 - Fresh air blower rotary control switch.
- F164 - Operating switch for the fresh air blower flaps vent (located on the rotary control assembly).
- L16 - Fresh air control switch light bulb.
- N23 - Series resistance for the fresh air blower (located inside the blower assembly).
- N142 - Vacuum valve for the fresh air blower flaps (located on the left hand side of the blower assembly).
- S6 - Fuse, 30 amp, for the fresh air blower.
- Tx - Connector, single, white, located behind the rotary control switch assembly.
- V2 - Fresh air blower (located in the blower assembly behind the dash panel, centre)

- V2 - Fresh air blower (located in the blower assembly behind the dash panel, centre).
Earth point on the earth rosette behind the dash panel, left hand side.

Electrically adjustable and heated outside mirrors.

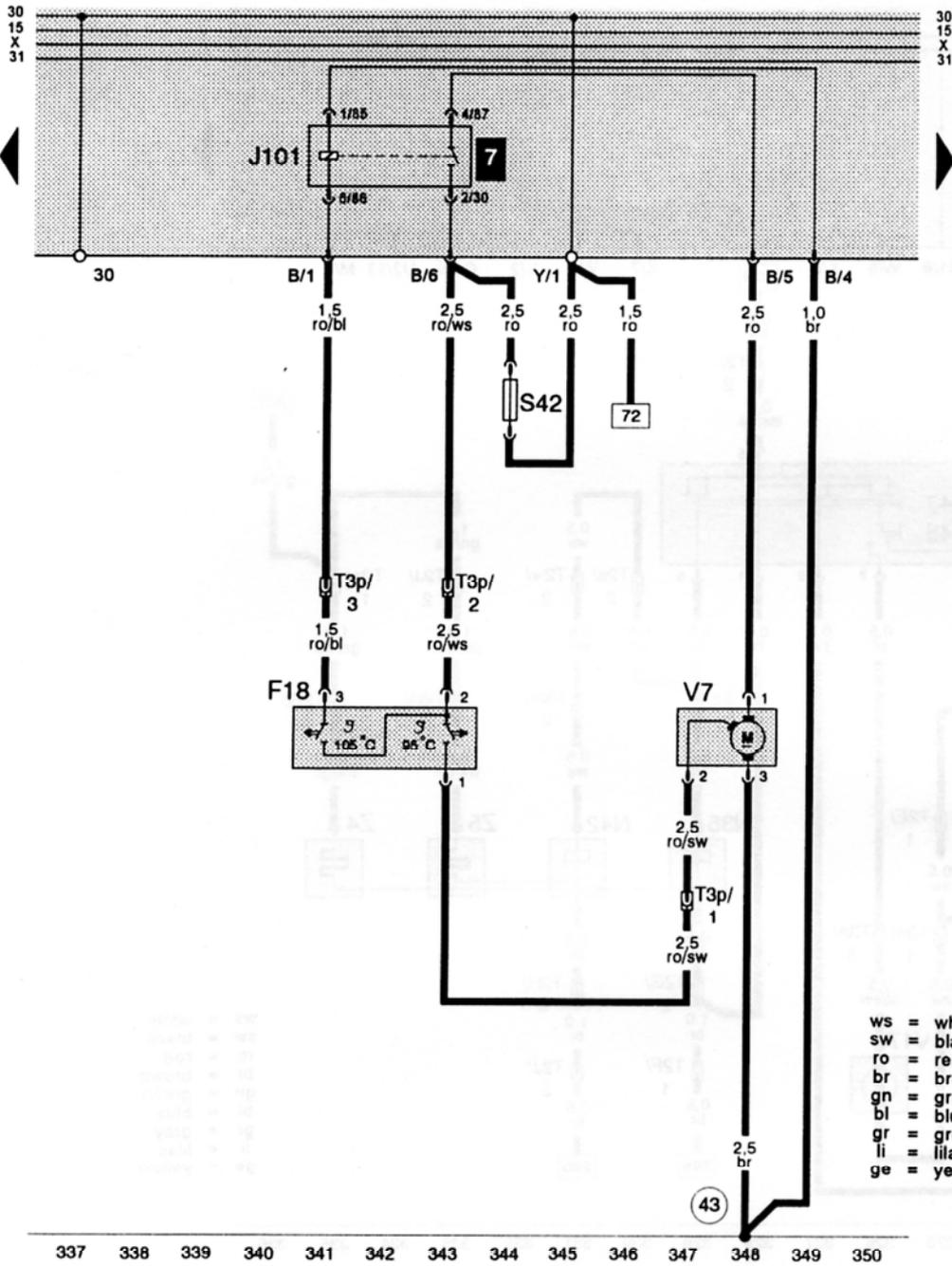


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

- E43 - Mirror adjustment switch.
- E48 - Mirror adjustment change-over switch.
- N35 - Mirror adjustment solenoid located in the driver's door rear view mirror.
- N42 - Mirror adjustment solenoid located in the passenger door rear view mirror.
- T2D/ - Connector, 2-pin, blue, located behind the left hand side of the dash panel.
- T2E/ - Connector, 2-pin, black, located behind the fuse box.
- T2F/ - Connector, 2-pin, blue, located behind the fuse box.
- T2G/ - Connector, 2-pin, white, located in the driver's door.
- T2H/ - Connector, 2-pin, white located in the passenger door.
- T2J/ - Connector, 2-pin, yellow, located behind the left hand side of the dash panel.

- T2s/ - Connector, 2-pin, brown, located behind the fuse box.
- T2w/ - Connector, 2-pin, brown, located behind the left hand side of the dash panel.
- T2z/ - Connector, 2-pin, yellow, located behind the fuse box.
- T3m/ - Connector, 3-pin, white, located in the passenger door.
- T3n/ - Connector, 3-pin, white, located in the driver's door.
- V17 - Mirror adjustment motor located in the driver's door rear view mirror.
- V25 - Mirror adjustment motor located in the passenger door rear view mirror.
- Z4 - Heater element located in the driver's door rear view mirror.
- Z5 - Heater element located in the passenger door rear view mirror.

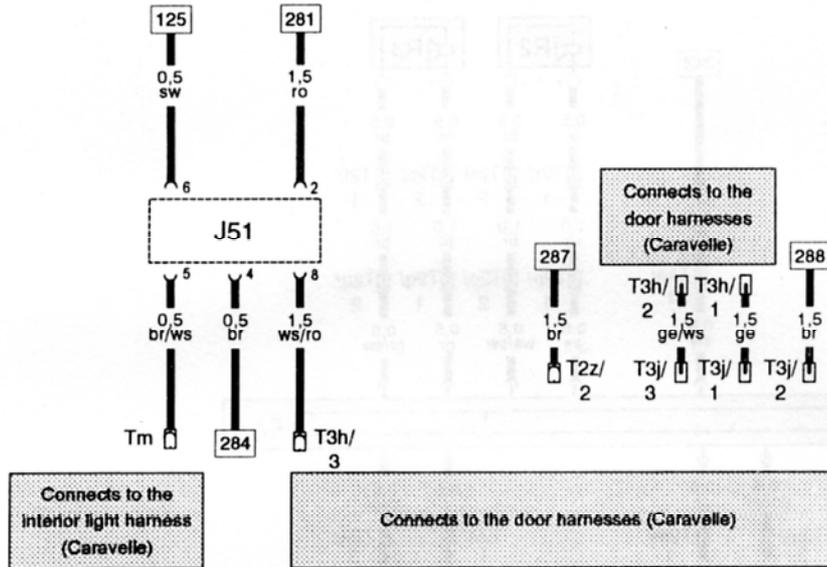
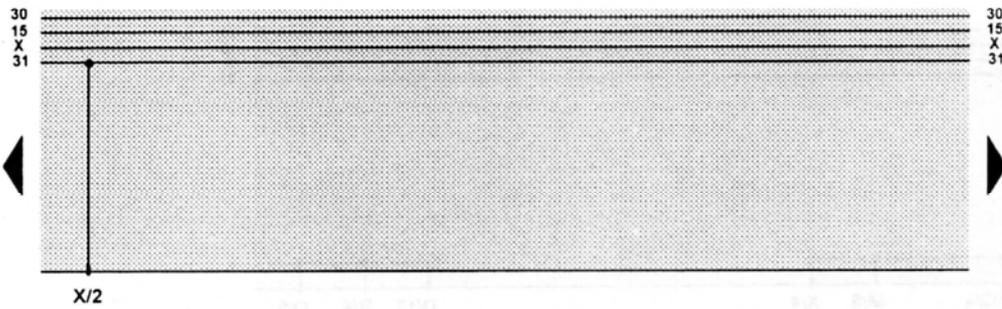
Radiator fan.



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

- F18 - Radiator fan thermo-switch (located on the radiator).
- J101 - Radiator fan 2nd speed relay (production control number 53).
- S42 - Fuse, 30 amp, for the radiator fan 1st and 2nd speeds (located on top of the fuse box).
- T3p/ - Connector, 3-pin, black, located behind the radiator grill at the left hand side of the radiator.
- V7 - Radiator fan.
- (43) - Earth point located on the lower right hand side A-post.

Connections for electric windows.

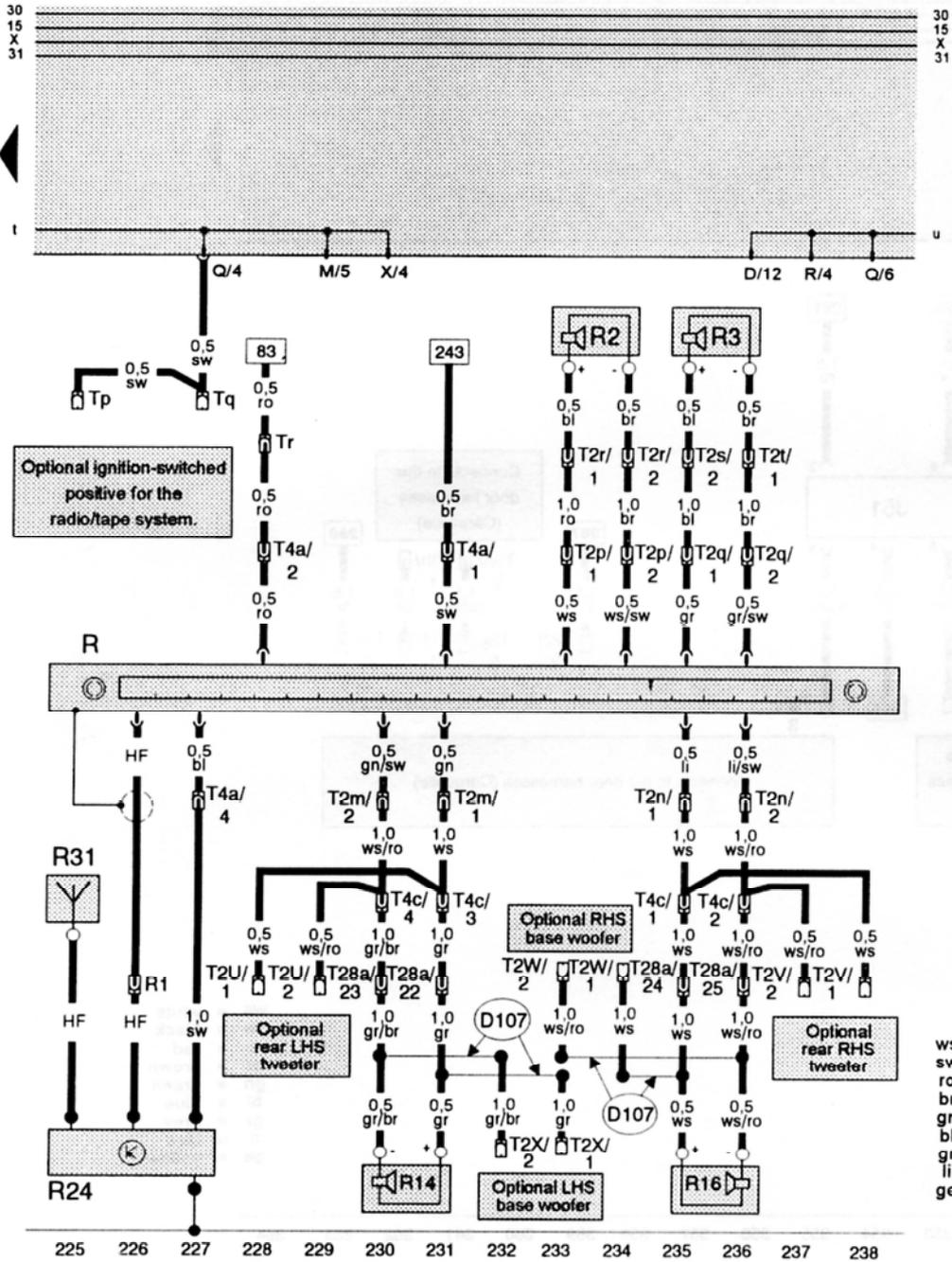


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

351 352 353 354 355 356 357 358 359 360 361 362 363 364

- J51 - Connector for the window lifter module (comfort switch) located on the relay adapter on top of the fuse box.
- Tm - Connector, single, white, located behind the fuse box.
- T2z/ - Connector, 2-pin, yellow, located behind the fuse box.
- T3h/ - Connector, 3-pin, white, located behind the fuse box.
- T3j/ - Connector, 3-pin, white, located behind the left hand side of the dash panel.

Panasonic RDS - 55 radio/tape player, front & rear speakers, windscreen aerial and amplifier.

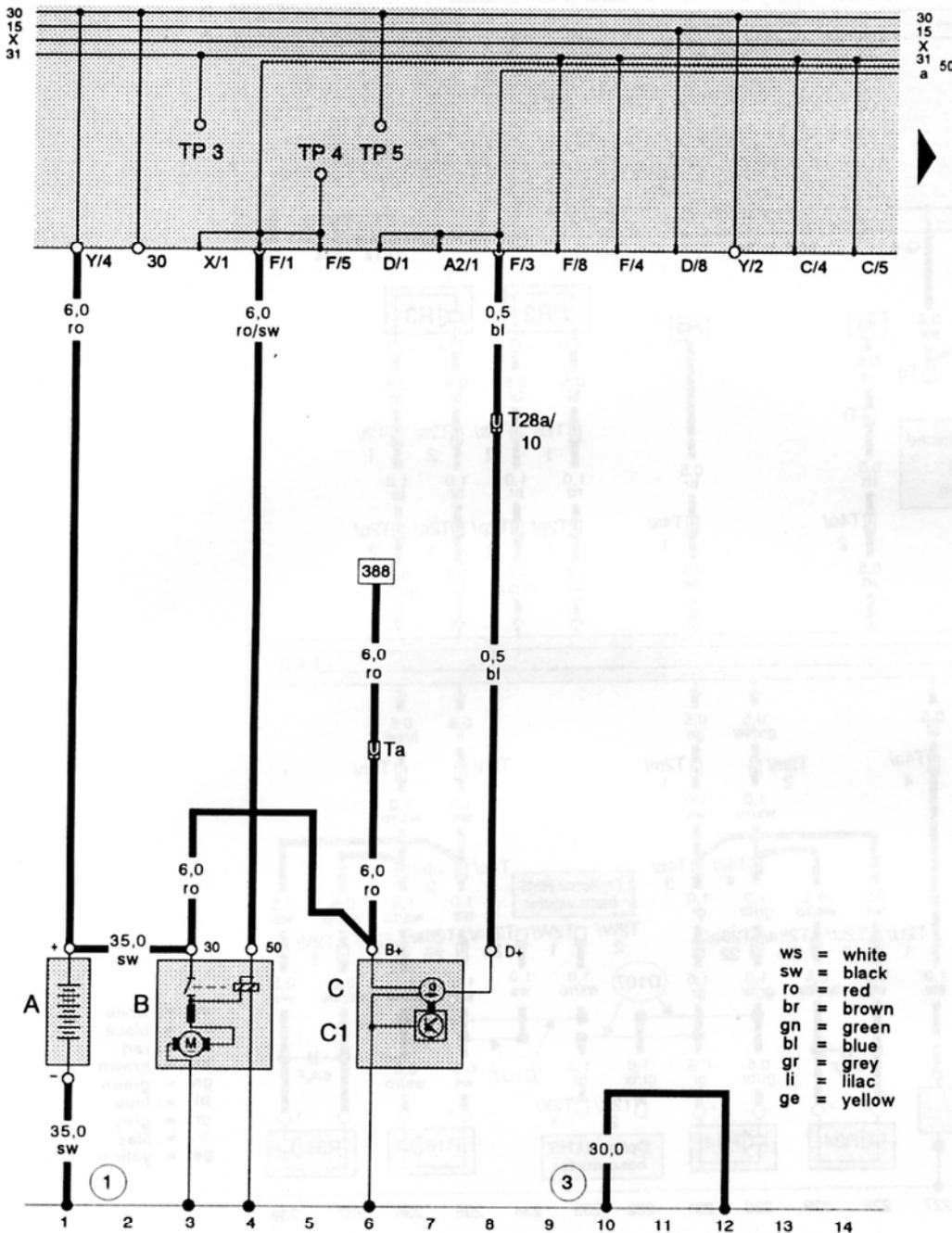


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

- R - Panasonic RDS - 55 radio/tape player.
- R1 - Aerial connection located behind the radio sleeve.
- R2 - Passenger door loudspeaker.
- R3 - Driver's door loudspeaker.
- R14 - Rear left hand side mid-range loudspeaker.
- R16 - Rear right hand side mid-range loudspeaker.
- R24 - Aerial signal amplifier.
- R31 - Front windscreen aerial.
- Tp - Connector, single, white, behind the radio sleeve.
- Tq - Connector, single, white, behind the radio sleeve.
- Tr - Connector, single, white, behind the radio sleeve.
- T2m - Connector, 2-pin, white, located behind the radio sleeve.
- T2n - Connector, 2-pin, black, located behind the radio sleeve.
- T2p - Connector, 2-pin, white/black, located behind the radio sleeve.

- T2q - Connector, 2-pin, black/white, located behind the radio sleeve.
- T2r - Connector, 2-pin, black, located behind the dash panel, left.
- T2s - Connector, 2-pin, brown, located behind the fuse box.
- T2u - Connector, 2-pin, white, located behind the fuse box.
- T2v - Connector, 2-pin, black, located behind the left tweeter.
- T2w - Connector, 2-pin, black, located below the Motronic module.
- T2x - Connector, 2-pin, black, located below the Motronic module.
- T4a - Connector, 4-pin, white, located behind the radio sleeve.
- T4c - Connector, 4-pin, red, located behind the fuse box.
- T28a - Connector, 28-pin, black, located in the engine bay on the right hand side of the firewall.
- (D107) - Rear mid-range speaker connections located inside the engine harness.

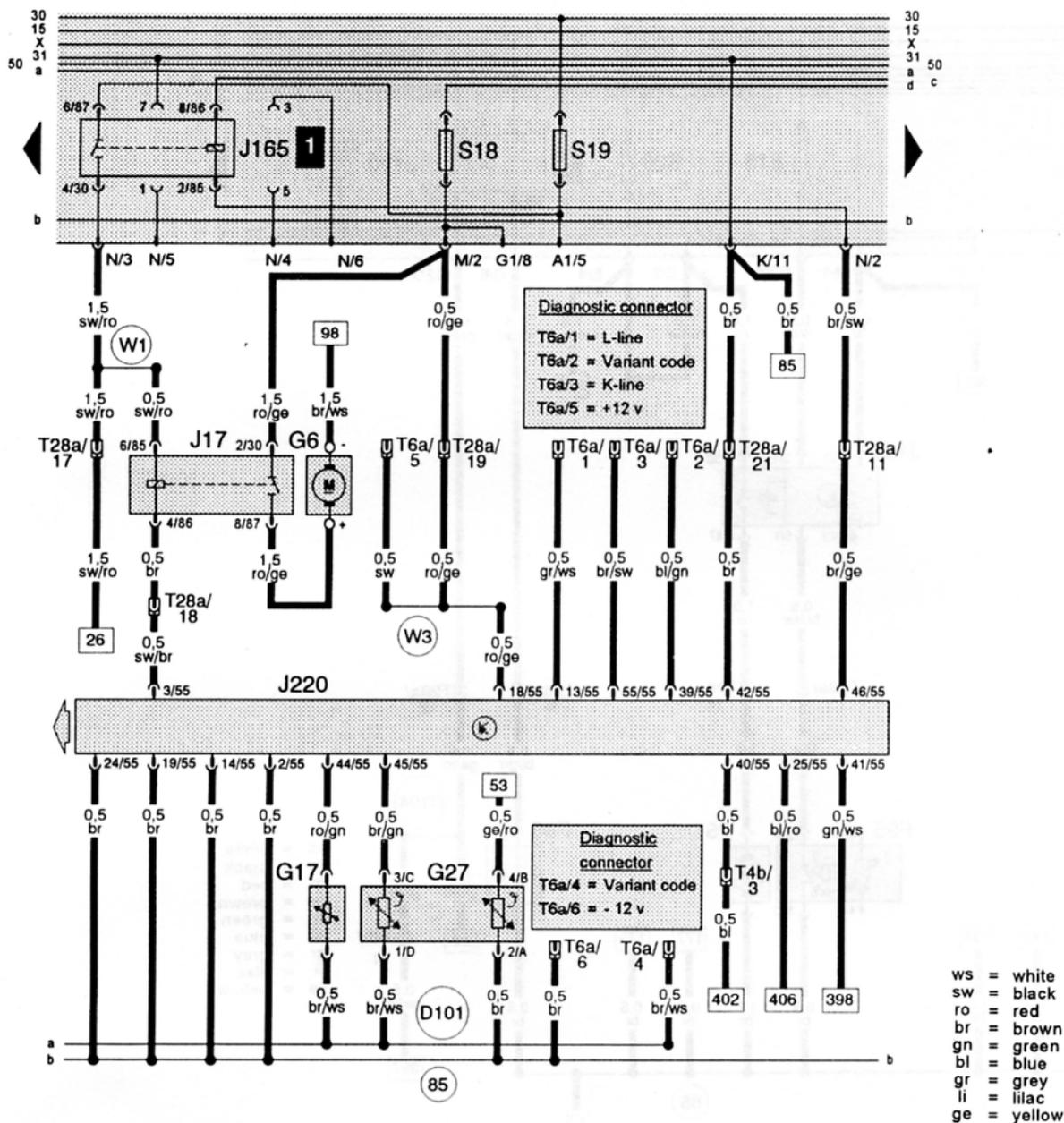
Battery, starter, alternator.



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

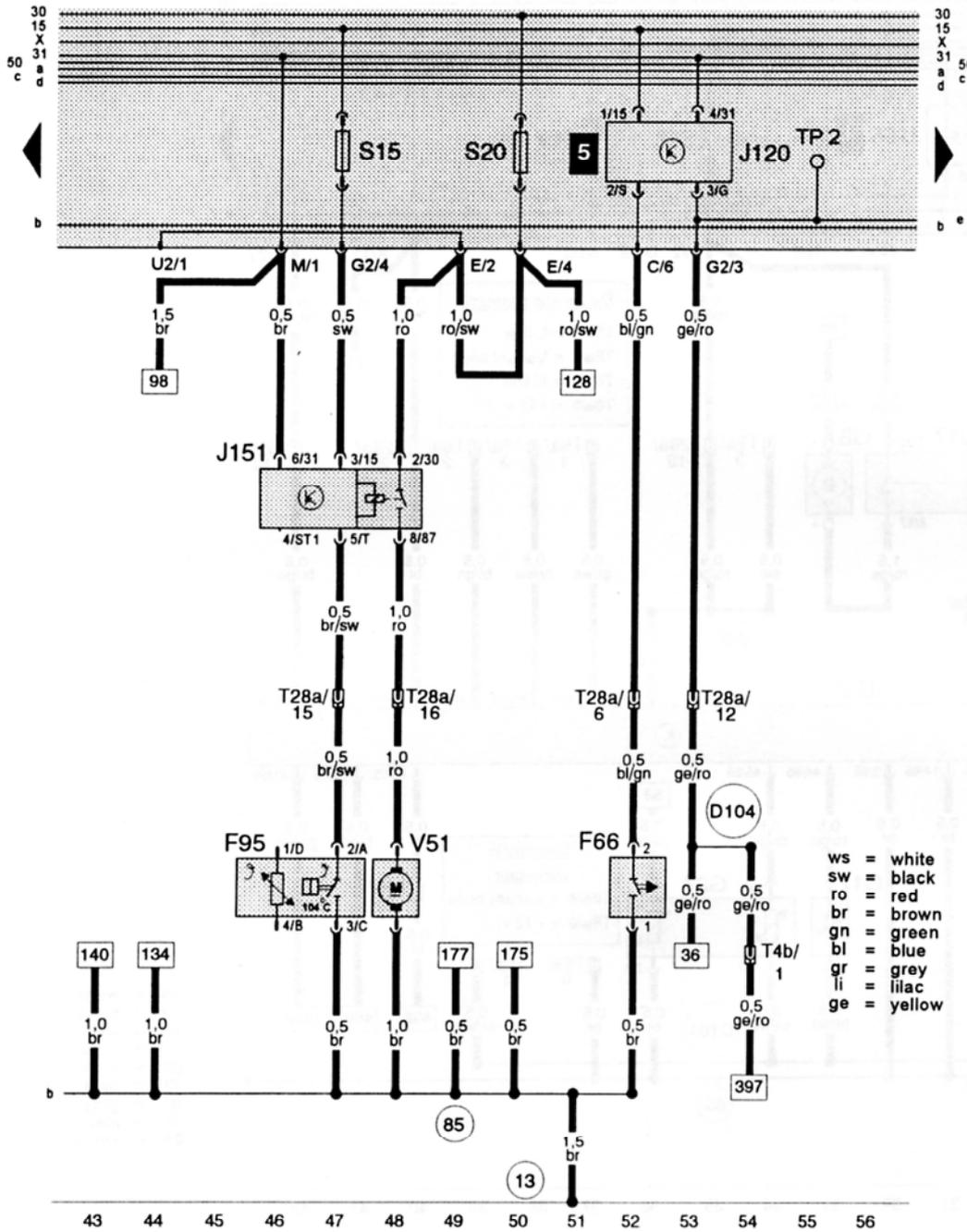
- A - Battery.
- B - Starter.
- C - Alternator.
- C1 - Voltage regulator (located on the back of the alternator).
- Ta - Connector, single, red, located behind the trim panel at the left hand side D-post.
- T28a/ - Connector, 28-pin, black, located on the right hand side of the firewall in the engine compartment.
- ① - Earth strap connecting the battery to the body.
- ③ - Earth strap connecting the gearbox to the body.

Bosch motronic engine management module, fuel pump, fuel pump relay, air temperature sensors, main relay, diagnostic connector for VAG 1551.



- | | | |
|---|---|---|
| <p>29</p> <p>30</p> <p>31</p> <p>32</p> <p>33</p> <p>34</p> <p>35</p> <p>36</p> <p>37</p> <p>38</p> <p>39</p> <p>40</p> <p>41</p> <p>42</p> | <p>G6 - Electric fuel pump (located beneath the vehicle on the right hand side long member).</p> <p>G17 - Intake air temperature sensor (located in the clean air pipe).</p> <p>G27 - Engine/temperature gauge senders (located on the top of the engine water spigot - black connector).</p> <p>J17 - Fuel pump relay (production control number 53), (located on the top of the fuse box).</p> <p>J165 - Main relay (production control number 53).</p> <p>J220 - Bosch motronic engine management module (located on the firewall beneath the rear seat).</p> <p>S18 - Fuse, 20 amp, for the fuel pump and motronic unit.</p> <p>S19 - Fuse, 30 amp, for the central injector valve, air control valve, motronic unit and fuel pump relay.</p> | <p>T4b/ - Connector, 4-pin, black, located in the engine compartment on the left of the number plate.</p> <p>T6a/ - Connector, 6-pin, black, located on the firewall in the right hand side of the engine compartment.</p> <p>T28a/ - Connector, 28-pin, black, located on the firewall in the right hand side of the engine compartment.</p> <p>(85) - Earth connection -1- in the engine wiring harness.</p> <p>(D101) - Connection -1- in the engine wiring harness.</p> <p>(W1) - Connection -1- in the main wiring harness.</p> <p>(W3) - Connection -2- in the main wiring harness.</p> |
|---|---|---|

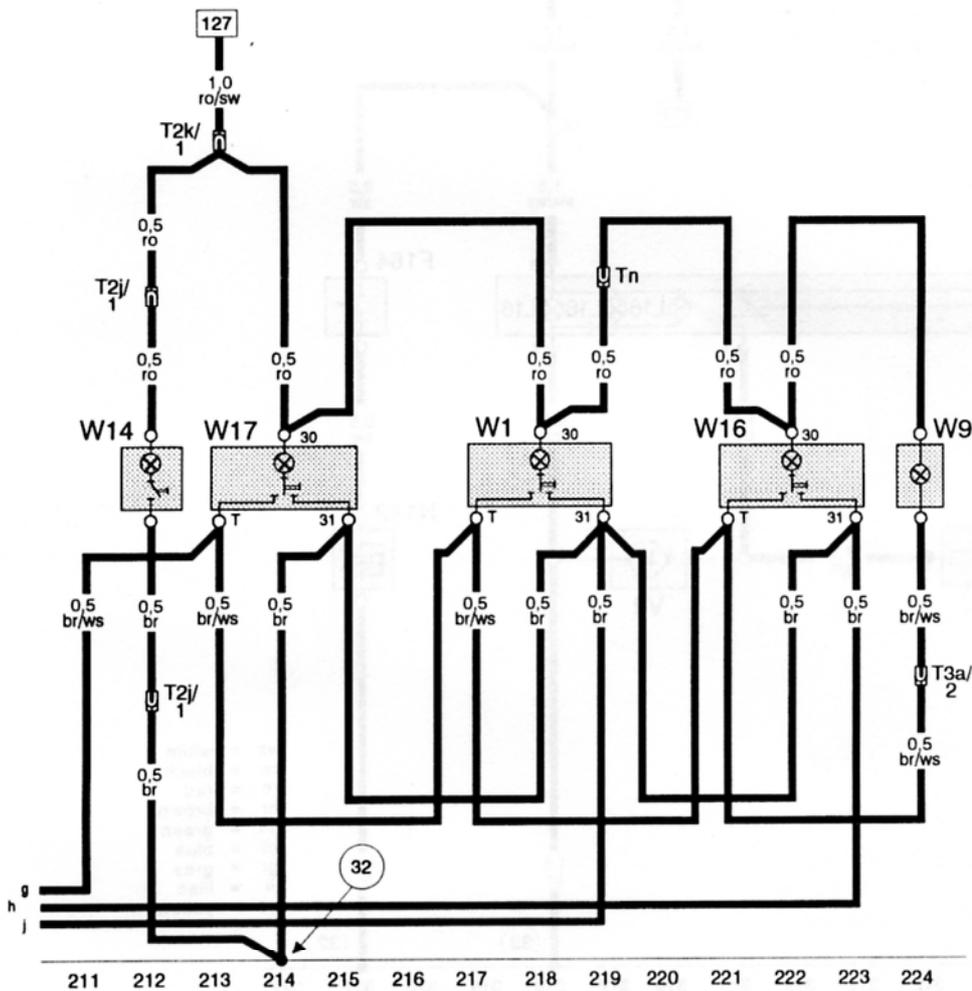
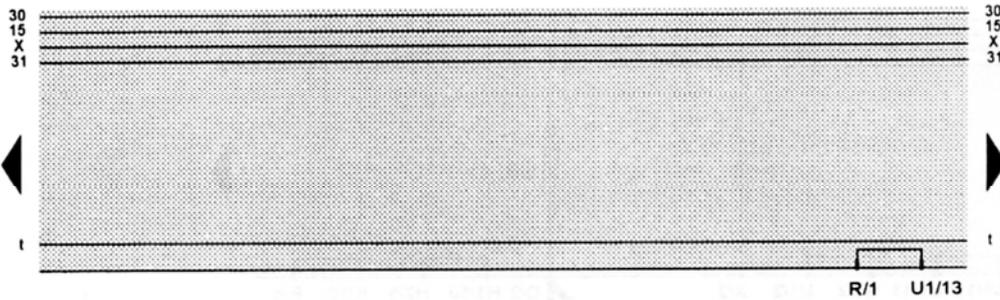
Coolant circulating pump, switch and relay; switch unit for coolant shortage/coolant temperature, coolant level switch.



- F66 - Coolant shortage indicator switch (located in the engine coolant reservoir).
- F95 - Thermo-switch for coolant circulation run-on (located in the coolant outlet spigot on the head).
- J120 - Control module for coolant shortage (production control number 42).
- J151 - Circulating pump relay (located at the bottom of the r/hand side A-post), (production control number 272).
- S15 - Fuse, 10 amp, for the circulating pump relay.
- S20 - Fuse, 10 amp, for the circulating pump and the brake lights.
- T4b/ - Connector, 4-pin, black, located in the engine compartment to the left of the number plate area.

- T28a/ - Connector, 28-pin, black, located on the fire wall in the right hand side of the engine compartment.
- V51 - Coolant circulating pump (located in the engine compartment).
- 13 - Earth point located on the right hand side of the engine compartment.
- 85 - Earth connection -1- in the engine wiring harness.
- D104 - Connection - 4 - in the engine wiring harness.

Interior lights.



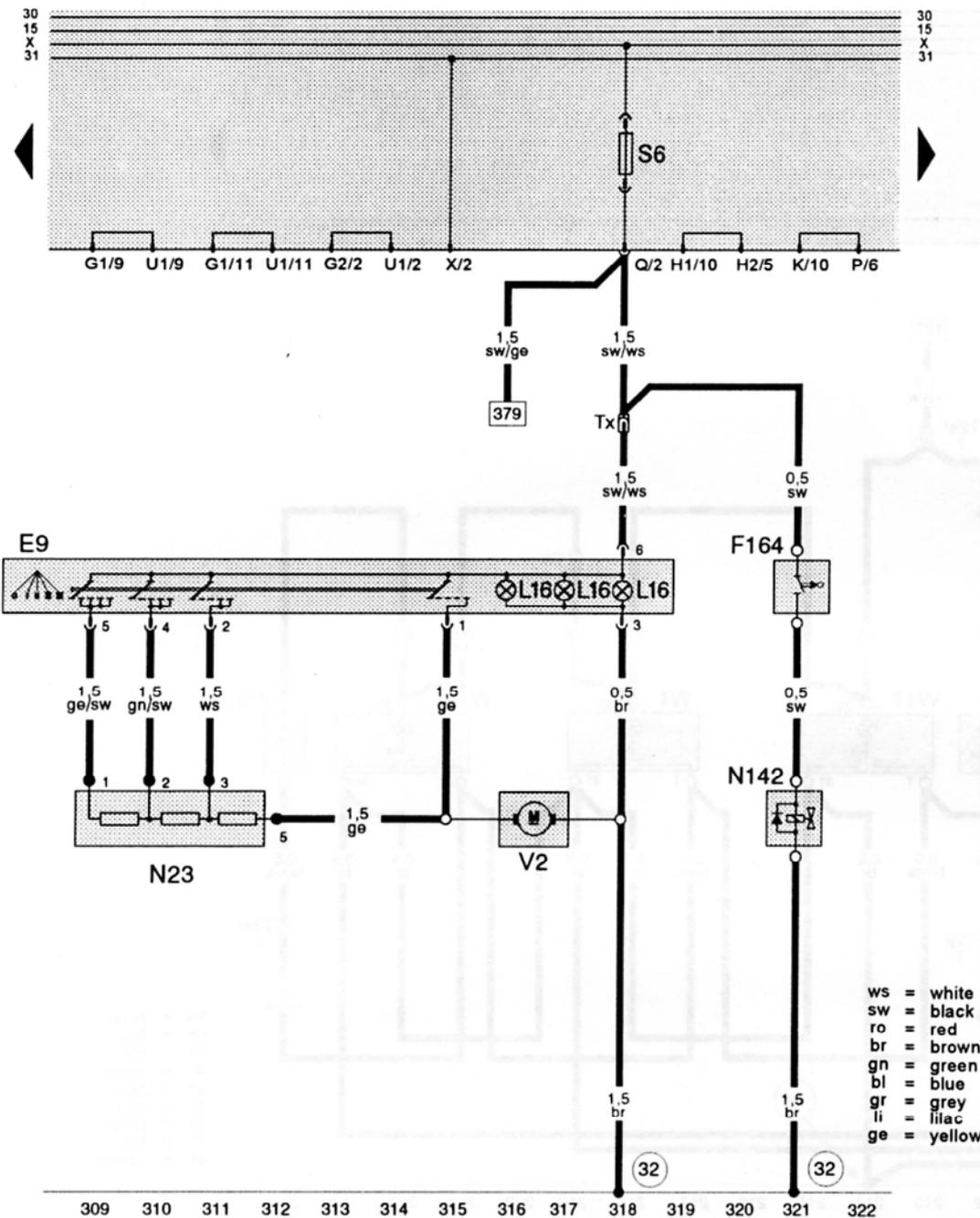
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

- Tn - Connector, single, white, located behind the passenger side interior light.
- T2j/ - Connector, 2-pin, white, located in the roof at the passenger side sunvisor.
- T2k/ - Connector, 2-pin, white, located behind the left hand side of the dash panel.
- T3a/ - Connector, 3-pin, white, located behind the passenger side interior light.
- W1 - Rear interior light.
- W9 - Sliding door steplight.
- W14 - Vanity mirror light.
- W16 - Passenger side interior light.
- W17 - Driver's side interior light.

- 32 - Earth point located behind the left hand side of the dash panel.



Fresh air blower system.

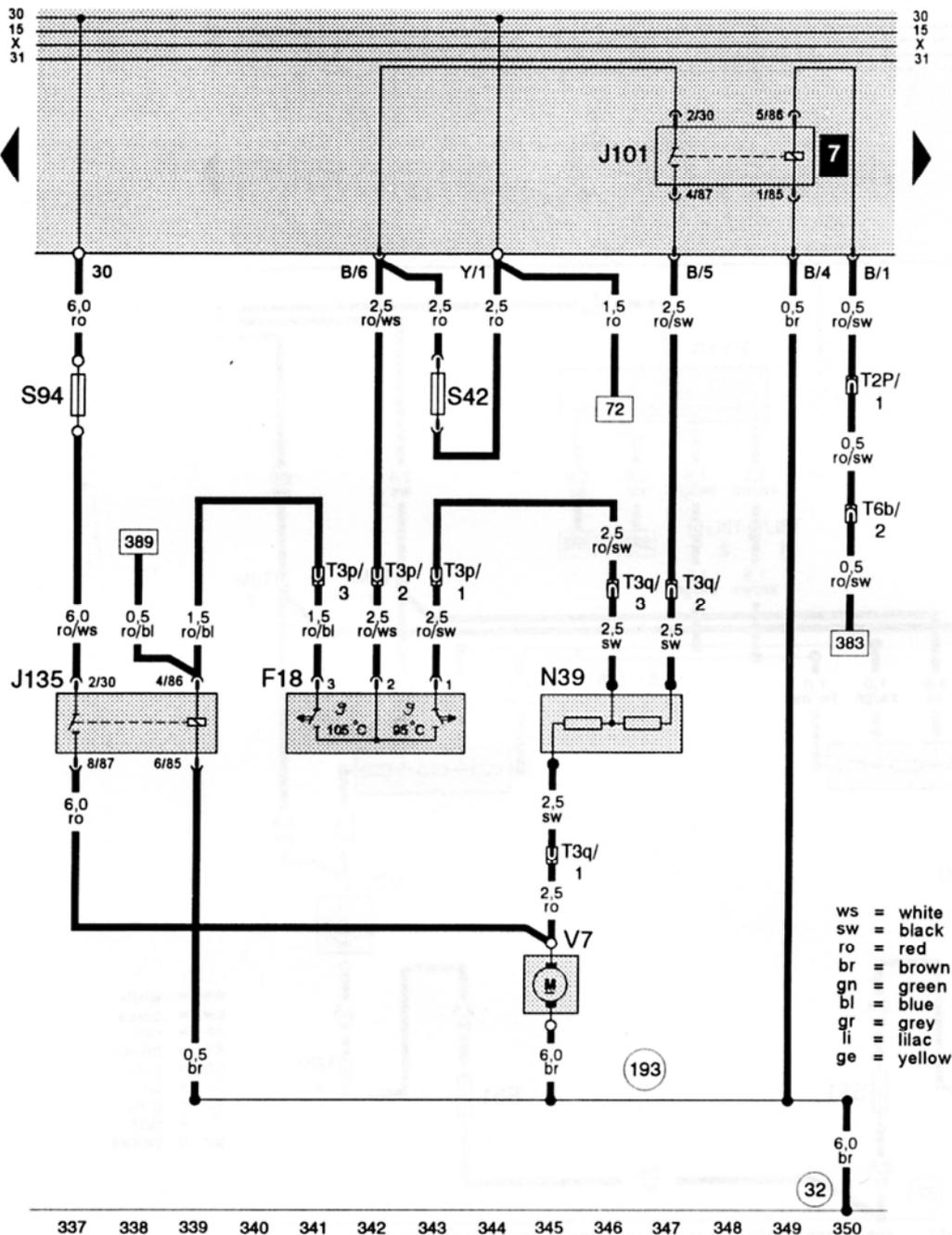


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

- E9 - Fresh air blower rotary control switch.
- F164 - Operating switch for the fresh air blower flaps vent (located on the rotary control assembly).
- L16 - Fresh air control switch light bulb.
- N23 - Series resistance for the fresh air blower (located inside the blower assembly).
- N142 - Vacuum valve for the fresh air blower flaps (located on the left hand side of the blower assembly).
- S6 - Fuse, 30 amp, for the fresh air blower.
- Tx - Connector, single, white, located behind the rotary control switch assembly.
- V2 - Fresh air blower (located in the blower assembly behind the dash panel, centre)

- (32) - Earth point on the earth rosette behind the dash panel, left hand side.

Radiator fan.

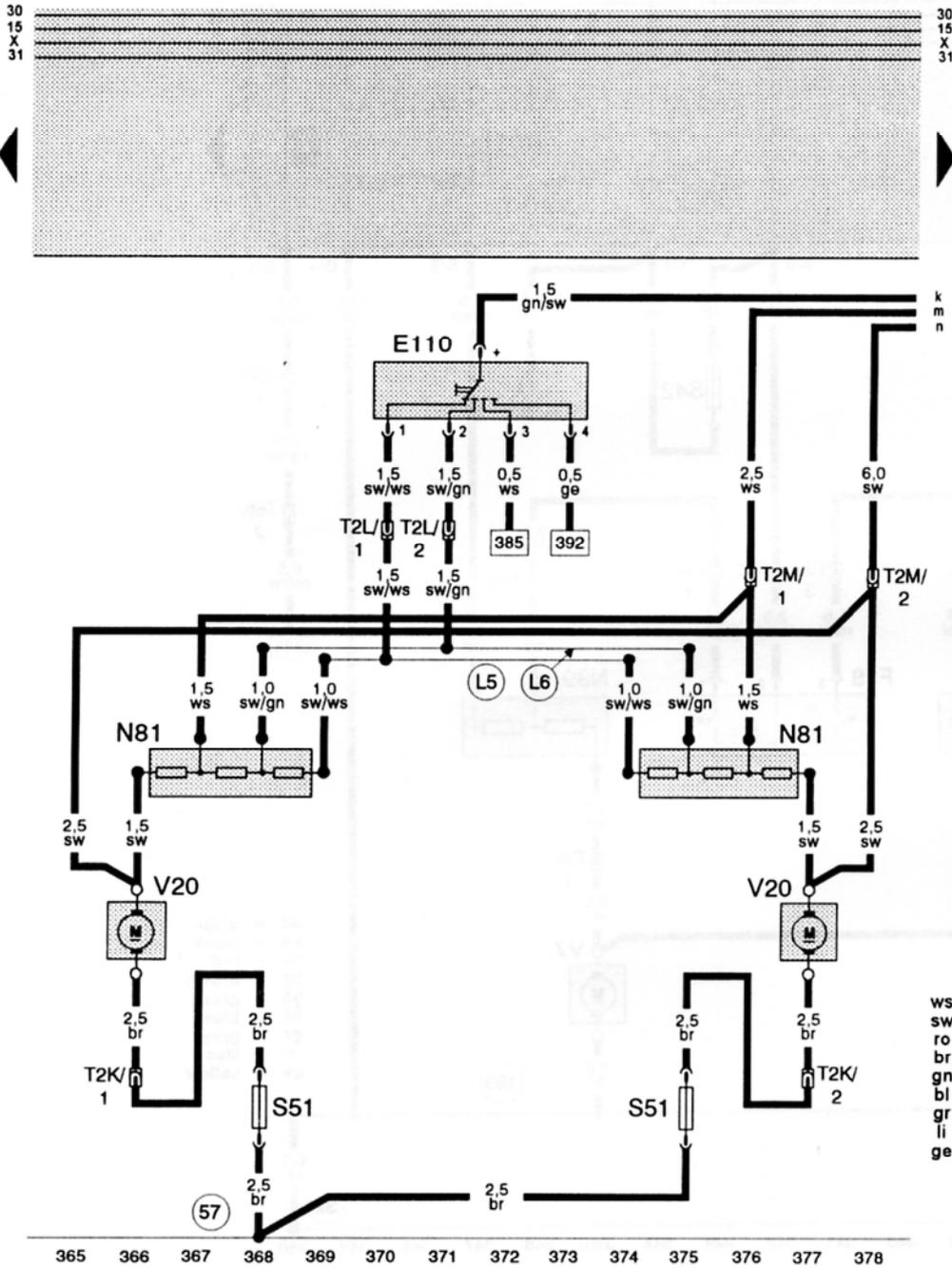


ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

- F18 - Radiator fan thermo-switch (located on the radiator).
- J101 - Radiator fan 1st speed relay (production control number 53).
- J135 - Radiator fan 3rd speed relay (located on the A-post near the fuse box).
- N39 - Radiator fan series resistance (located behind the right hand side headlight).
- S94 - Strip fuse, 50 amp, for the radiator fan 3rd speed.
- S42 - Fuse, 30 amp, for the radiator fan 1st and 2nd speed (located on top of the fuse box).
- T2P/ - Connector, 2-pin, white, located behind the fuse box.

- T3p/ - Connector, 3-pin, black, located behind the radiator grill at the left hand side of the radiator.
- T3q/ - Connector, 3-pin, black/white, located behind the right hand side headlight.
- T6b/ - Connector, 6-pin, black, located behind the trim panel at the left hand side D-post.
- V7 - Radiator fan.
- (32) - Earth point located behind the dash panel near the fuse box.
- (193) - Earth connection inside the coolant fan harness.

Air conditioner (evaporator) blower motor system.

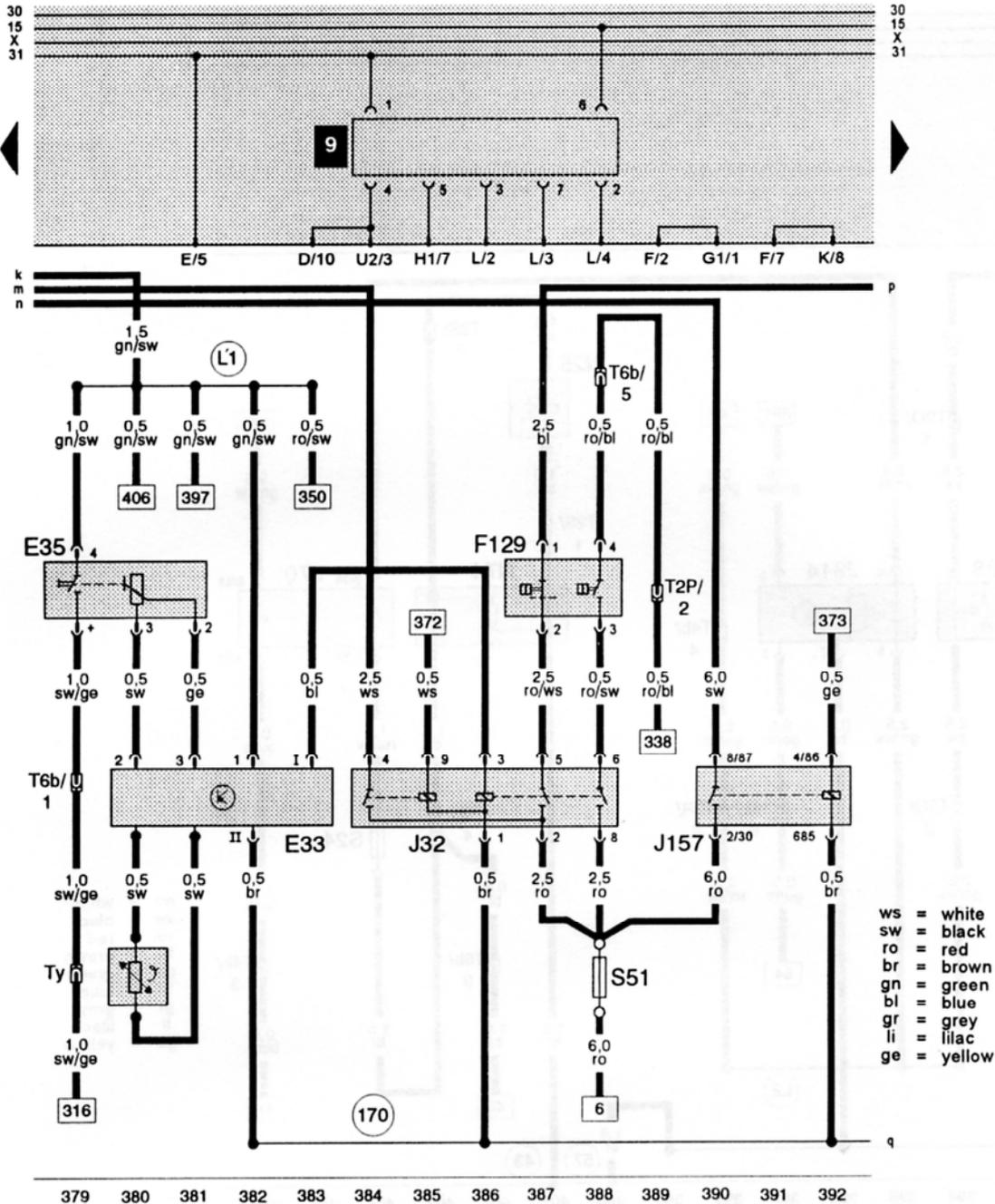


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow

- E110 - Evaporator blower rotary control switch (located on the air conditioner ducting).
- N81 - Series resistance for the evaporator blower motor (located in the evaporator assembly).
- S51 - Fuse, 20 amp, for the evaporator blower motor (located behind the trim panel at the left hand side D-post).
- T2K/ - Connector, 2-pin, white, located behind the trim panel at the left hand side D-post.
- T2L/ - Connector, 2-pin, white, located behind the trim panel at the left hand side D-post.
- T2M/ - Connector, 2-pin, white, located behind the trim panel at the left hand side D-post.

- V20 - Evaporator blower motor (located in the evaporator assembly).
- (L5) - Connection -1- inside the blower assembly wiring harness.
- (L6) - Connection -2- inside the blower assembly wiring harness.
- (57) - Earth point located behind the trim panel at the left hand side D-post.

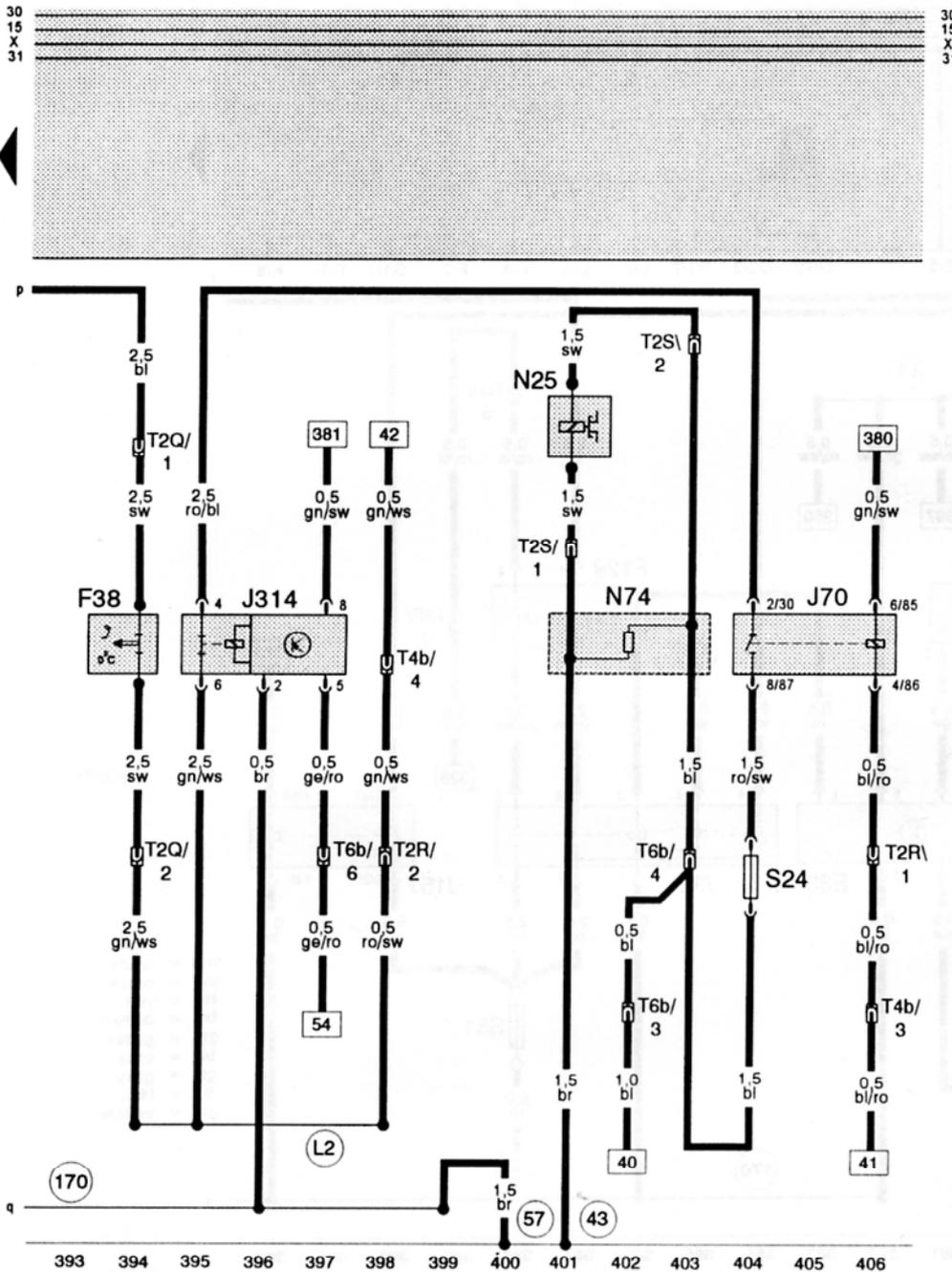
A/c control switch, evaporator temperature control module, evaporator blower relay, a/c pressure switch, a/c control relay.



- E33 - Temperature control module for the evaporator blower system (located behind the trim panel at the left hand side D-post).
- E35 - Air conditioner control switch.
- F129 - Air conditioner low/high pressure switch (located behind the trim panel at the left hand side D-post).
- J32 - Air conditioner relay (production control number 13), (located behind the trim panel at the left hand side D-post).
- J157 - Relay for the evaporator blower motors (production control number 18), (located behind the trim panel at the left hand side D-post).

- S51 - Strip fuse, 50 amp, for the evaporator blower motor and the air conditioner magnetic clutch (located behind the trim panel at the left hand side D-post).
- Ty - Connector, single, yellow, located behind the fuse box.
- T2P/- Connector, 2-pin, white, located behind the fuse box.
- T6b/- Connector, 6-pin, black, located behind the trim panel at the left hand side D-post.
- (L1) - Connection -2- inside the air conditioner wiring harness.
- (170) - Earth connection inside the air conditioner wiring harness.

Air conditioner magnetic clutch, air conditioner cut-off control module, air conditioner delay relay, ambient temperature switch.



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

- F38 - Ambient temperature sensor (located behind the trim panel at the left hand side D-post).
- J70 - Air conditioner delay relay (production control number 53), (located behind the trim panel at the left hand side D-post).
- J314 - Air conditioner cut-off control module (located behind the trim panel at the left hand side D-post).
- N25 - Air conditioner magnetic clutch (compressor).
- N74 - Spike inhibit resistor located in the a/con. harness).
- S24 - Fuse, 10 amp, for the magnetic clutch.
- T2Q/ - Connector, 2-pin, white, located behind the trim panel at the left hand side D-post.
- T2R/ - Connector, 2-pin, white, located behind the trim panel at the left hand side D-post.

- T2S/ - Connector, 2-pin, black, located at the compressor.
- T4b/ - Connector, 4-pin, black, located behind the trim panel at the left hand side D-post.
- T6b/ - Connector, 6-pin, black, located behind the trim panel at the left hand side D-post.
- (L2) - Connection located inside the air conditioner wiring harness.
- (43) - Earth point located at the lower right hand side A-post.
- (57) - Earth point located behind the trim panel at the left hand side D-post.
- (170) - Earth connection -1- located inside the air conditioner wiring harness.