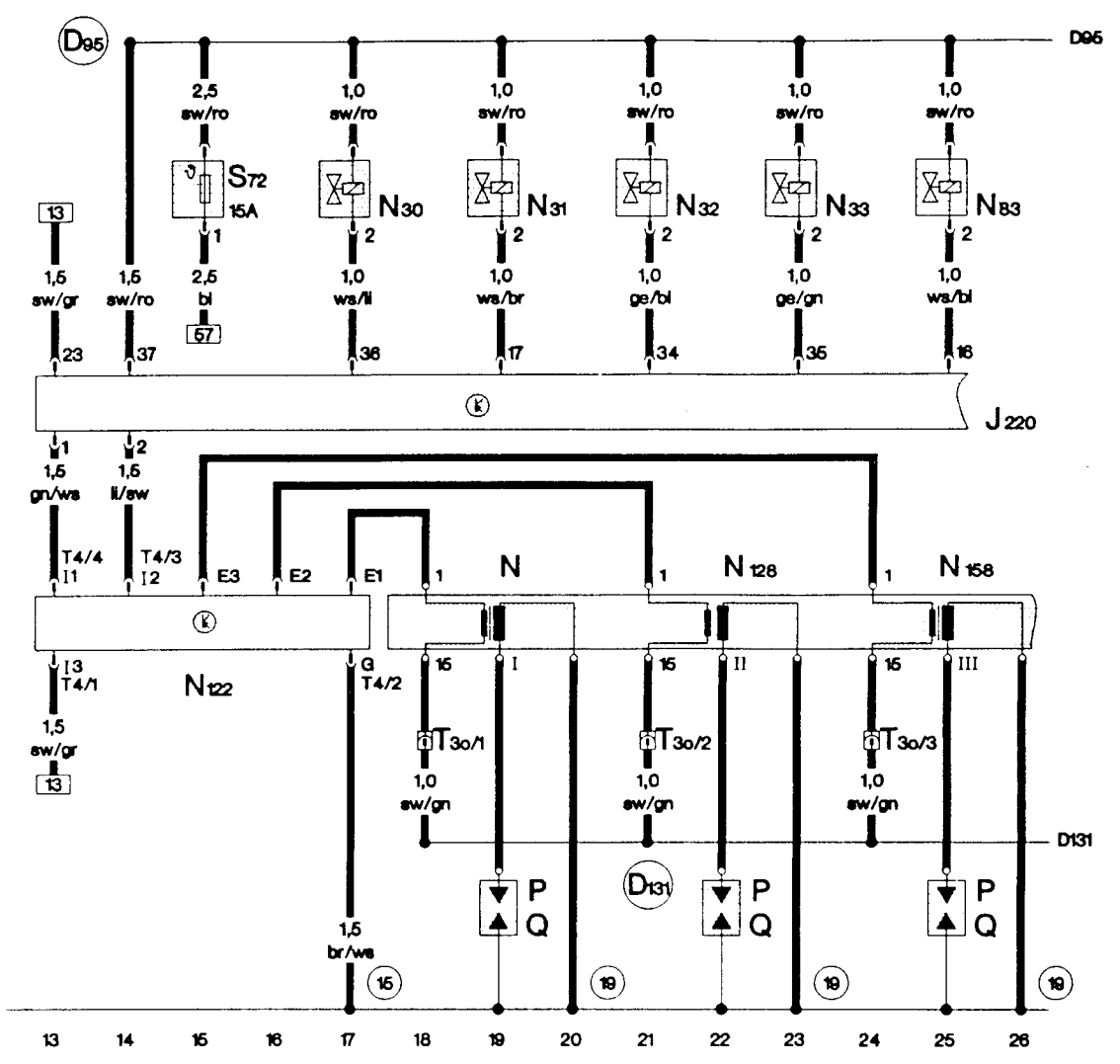


- A - Battery
 - B - Starter
 - C - Generator (GEN)
 - C 1 - Voltage Regulator (VR)
 - D - Ignition/Starter Switch
 - F 4 - Back-Up Light Switch
 - K 2 - Generator (GEN) Warning Light
 - S 14 - Fuse, in Fuse Panel
 - T 6b - 6-Pin connector, red, connector station 2
 - T 6d - 6-Pin Connector, gray, connector station 2
 - T 26a - 26-Pin Connector, green, on instrument cluster
 - U 6 - Battery Jump Start Terminal
- 6 - Ground strap, engine to Generator (GEN)
 - 13 - Ground connection, in engine compartment, right
 - 15 - Ground connection, on cylinder head
 - 16 - Ground connection -1-, on valve cover

- 97-15348**
- 18 - Ground connection, on engine block
 - 40 - Ground connection, below rear seat bench, right
 - 43 - Ground connection, on right A-pillar, lower part
 - 85 - Ground connection -1-, in engine compartment wiring harness
 - 131 - Ground connection -2-, in engine compartment wiring harness
 - 132 - Ground connection -3-, in engine compartment wiring harness
 - A17 - Wiring connection (61), in instrument panel wiring harness
 - A20 - Wiring connection (15a), in instrument panel wiring harness
 - D52 - Plus connection (15a), in engine compartment wiring harness
 - P2 - Plus connection (30), in battery wiring harness
- * - Vehicles with automatic transmission

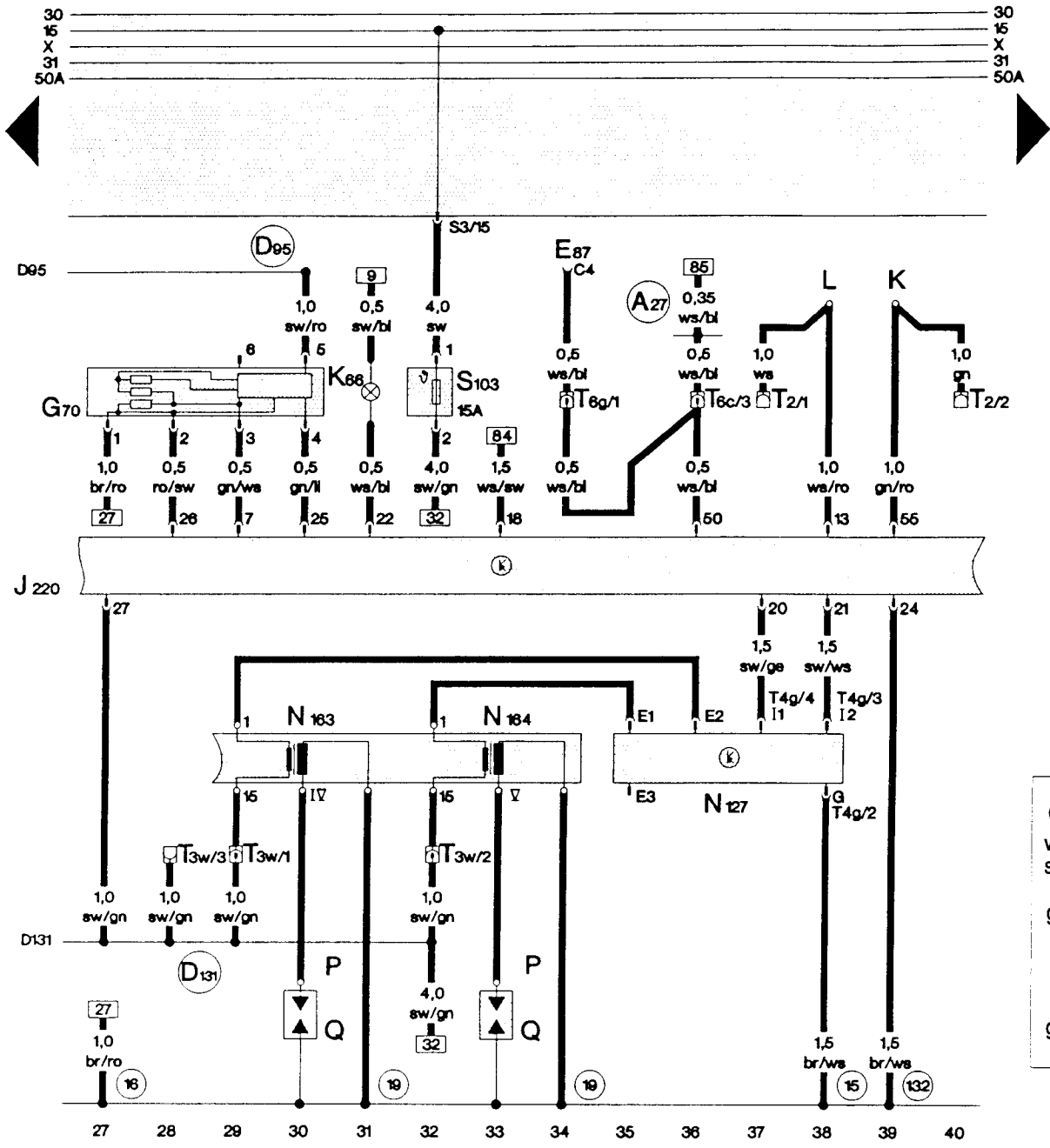


Wiring Color Code
 ws = white
 sw = black
 ro = red
 gn = green
 br = brown
 bl = blue
 gr = gray
 li = violet
 ge = yellow
 or = orange

- J 220 - Motronic Engine Control Module (ECM)
- N - Ignition Coil
- N 30 - Cylinder 1 Fuel Injector
- N 31 - Cylinder 2 Fuel Injector
- N 32 - Cylinder 3 Fuel Injector
- N 33 - Cylinder 4 Fuel Injector
- N 83 - Cylinder 5 Fuel Injector
- N 122 - Power Output Stage
- N128 - Ignition Coil 2
- N 158 - Ignition Coil 3
- P - Spark Plug Connectors
- Q - Spark Plugs
- S 72 - Injector Valve Circuit Breaker
- T 30 - 3-Pin Connector, white, for ignition coil
- T 4 - 4-Pin Connector, black, for power output stage, near ignition coil

- (15) - Ground connection, on cylinder head
- (19) - Ground connection, near ignition coil
- (D95) - Wire connection (injectors), in engine compartment wiring harness
- (D131) - Wire connection (15), above circuit breaker, in engine compartment wiring harness

97-15347



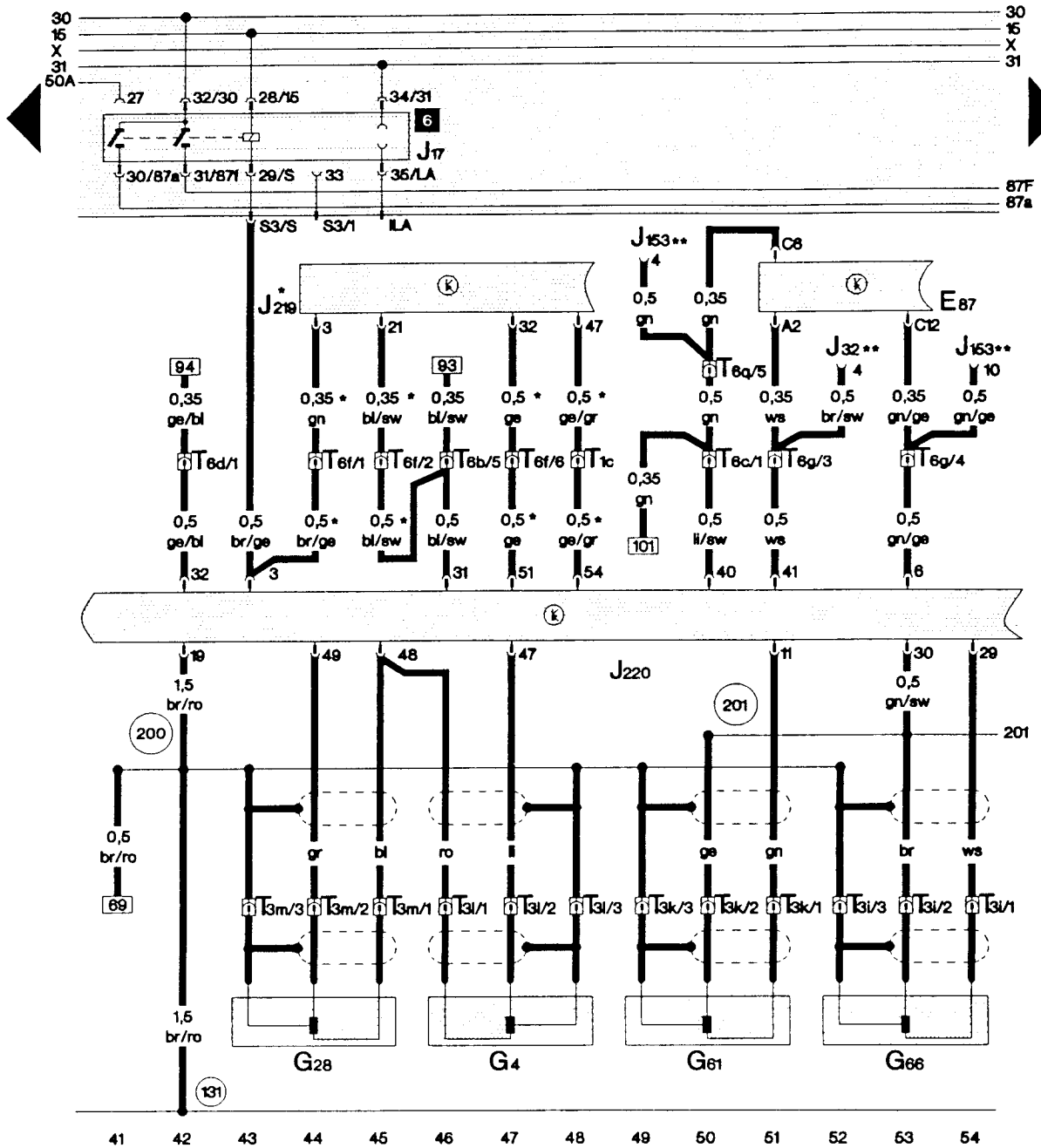
Wiring Color Code

- ws=white
- sw=black
- ro=red
- gn=green
- br=brown
- bl=blue
- gr=gray
- li=violet
- ge=yellow
- or=orange

- E 87 - A/C Control Head
- G 70 - Mass Air Flow (MAF) Sensor
- J 220 - Motronic engine Control Module (ECM)
- K - Data Link Connector (DLC), on auxiliary relay panel I
- K 66 - Distributor Ignition (DI) Indicator Light
- L - Data Link Connector (DLC), on auxiliary relay panel I
- N 127 - Ignition Coil with Power Output Stage 2
- N 163 - Ignition Coil 4
- N 164 - Ignition Coil 5
- S 103 - Ignition Coils Circuit Breaker
- P - Spark Plug Connectors
- Q - Spark Plugs
- T 2 - Double Connector, white, Data Link Connector, on auxiliary
- T 3w - relay panel I
- T 4g - 3- Pin Connector, white, for ignition coil
- 4-Pin Connector, black, for power output stage, near ignition coil
- T 6c - 6-Pin Connector, green, connector station 2
- T 6g - 6-Pin Connector, blue, connector station 2

- (15) - Ground connection, on cylinder head
- (16) - Ground connection -1-, on valve cover
- (19) - Ground connection, near ignition coil
- (132) - Ground connection -3-, in engine compartment wiring harness
- (A27) - Wire connection (vehicle speed signal), in instrument panel wiring harness
- (D95) - Wire connection (injectors), in engine compartment wiring harness
- (D131) - Wire connection (15), above circuit breaker, in engine compartment wiring harness

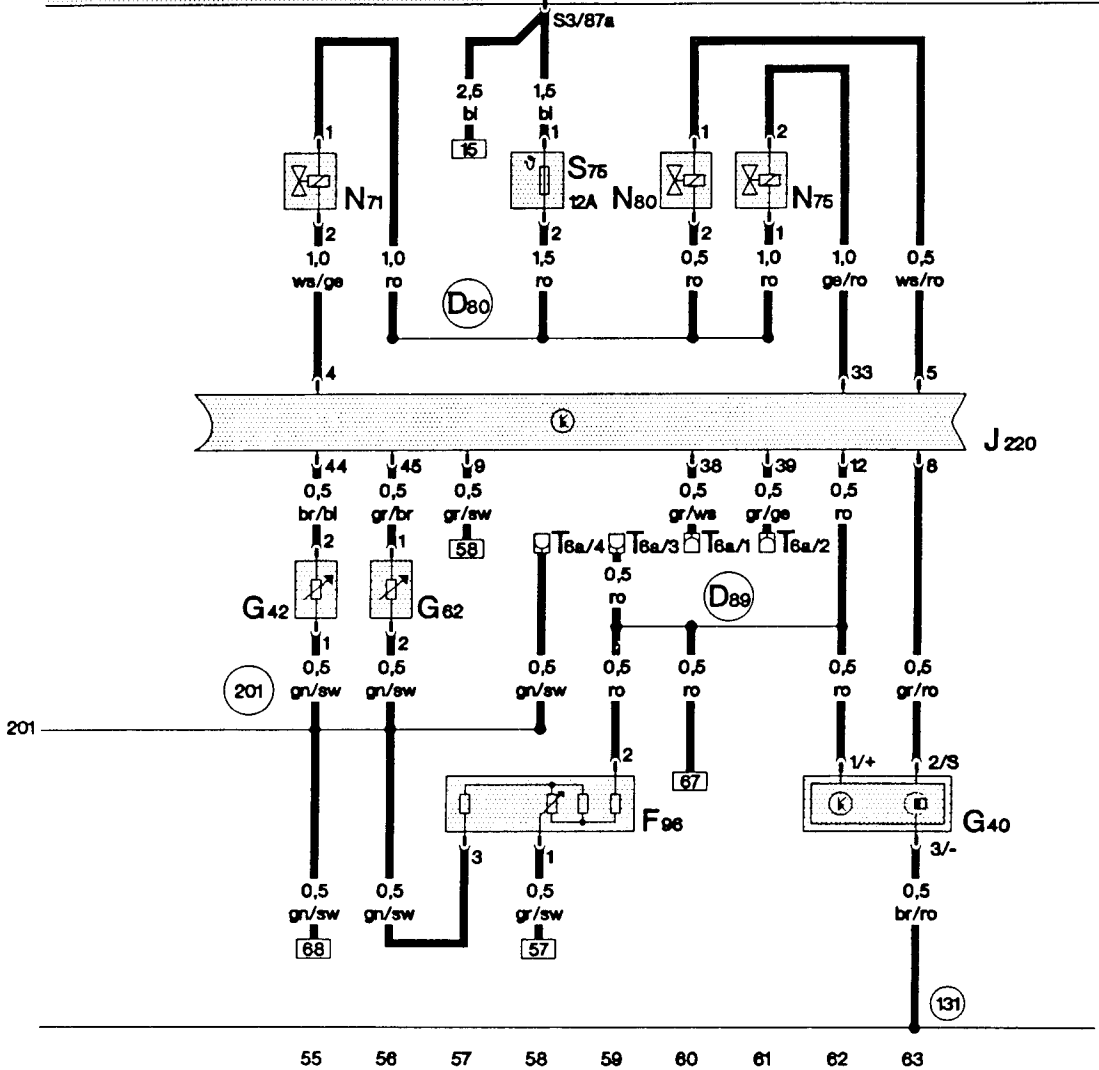
97-15348



- Wiring Color Code**
- ws = white
 - sw = black
 - ro = red
 - gn = green
 - br = brown
 - bl = blue
 - gr = gray
 - li = violet
 - ge = yellow
 - or = orange

- E 87 - A/C Control Head
 G 4 - Crankshaft Position (CKP) Sensor
 G 28 - Engine Speed (RPM) Sensor
 G 61 - Knock Sensor (KS) 1
 G 66 - Knock Sensor (KS) 2
 J 17 - Fuel Pump (FP) Relay
 J 32 - A/C Relay
 J 153 - A/C Clutch Control Module
 J 219 - Transmission Control Module (TCM)
 J 220 - Motronic Engine Control Module (ECM)
 T 1c - Single Connector, black, in electronic box, in footwell, front right
 T 3i - 3-Pin Connector, blue, for knock sensor, on firewall, right
 T 3k - 3-Pin Connector, green, for knock sensor, on firewall, center
 T 3l - 3-Pin Connector, black, for reference mark sensor, on firewall, right
 T 3m - 3-Pin Connector, gray, for engine speed sensor, on firewall, right
 T 6b - 6-Pin Connector, red, connector station 2
 T 6c - 6-Pin Connector, green, connector station 2
- T 6d - 6-Pin Connector, gray, connector station 2
 T 6f - 6-Pin Connector, yellow, in electronic box, in footwell, front right
 T 6g - 6-Pin Connector, blue, connector station 2
 T 6q - 6-Pin Connector, red, connector station 3
- (131) - Ground connection -2-, in engine compartment wiring harness
 (200) - Ground connection (shielding), in engine compartment wiring harness
 (201) - Ground connection -5-, in engine compartment wiring harness
- * - Vehicles with automatic transmission - not applicable to S4
 ** - Vehicles with manually controlled A/C - not applicable to S4

97-15349



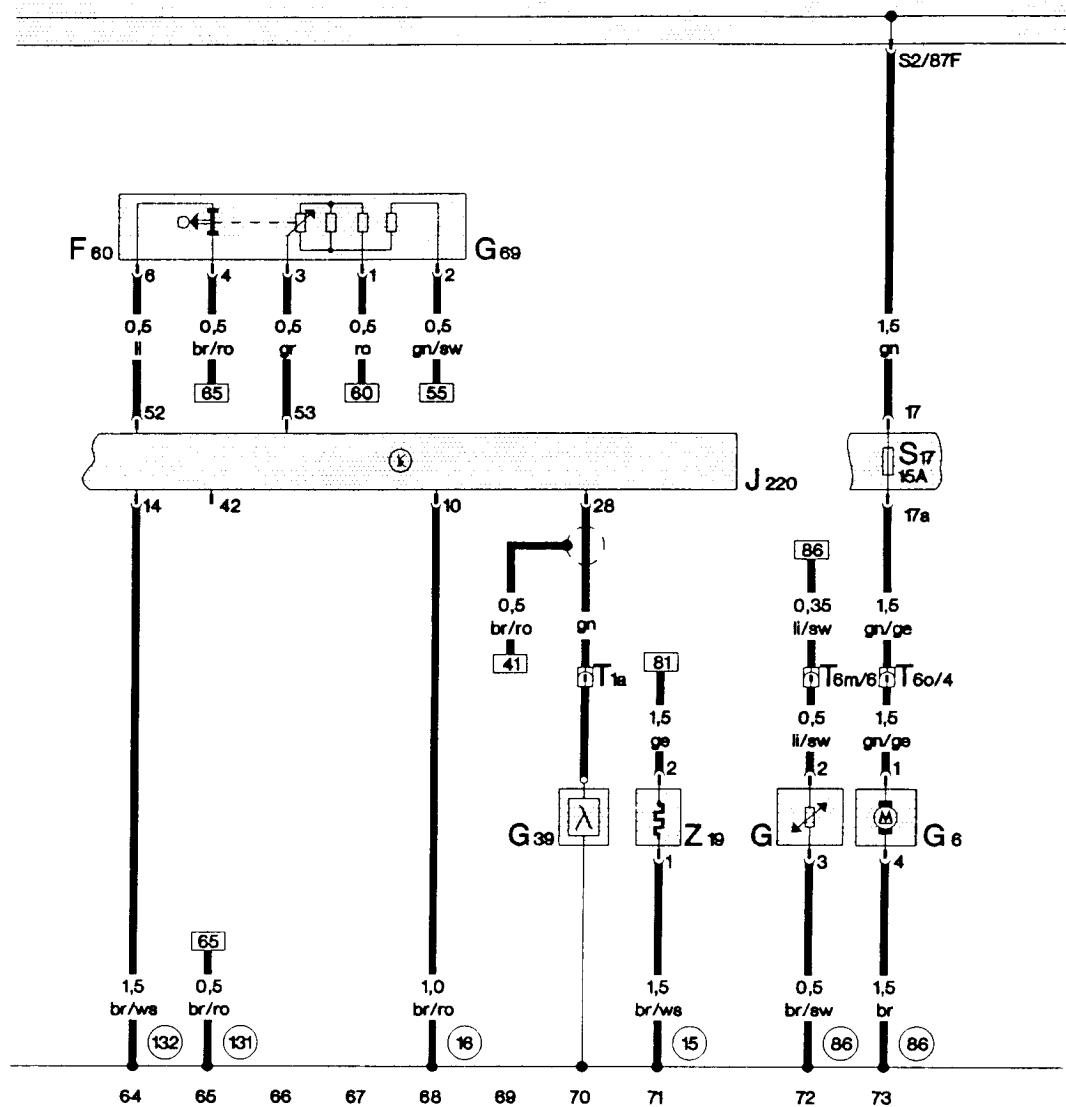
Wiring Color Code

- ws = white
- sw = black
- ro = red
- gn = green
- br = brown
- bl = blue
- gr = gray
- li = violet
- ge = yellow
- or = orange

97-15350

- F 96 - Barometric Pressure (BARO) Sensor
- G 40 - Camshaft Position (CMP) Sensor
- G 42 - Intake Air Temperature (IAT) Sensor
- G 62 - Engine Coolant Temperature (ECT) Sensor
- J 220 - Motronic Engine Control Module (ECM)
- N 71 - Idle Air Control (IAC) Valve
- N 75 - Wastegate Bypass Regulator Valve
- N 80 - Evaporative Emission (EVAP) Canister Purge Regulator Valve
- S 75 - Circuit Breaker for N 80
- T 6a - 6-Pin Connector, black, coding connector, in electronic box, in footwell, front right

- (131) - Ground connection -2-, in engine compartment wiring harness
- (201) - Ground connection -5-, in engine compartment wiring harness
- (D80) - Plus connection (87a , for EVAP system solenoid), in engine compartment wiring harness
- (D89) - Wire connection (control modules), in engine compartment wiring harness

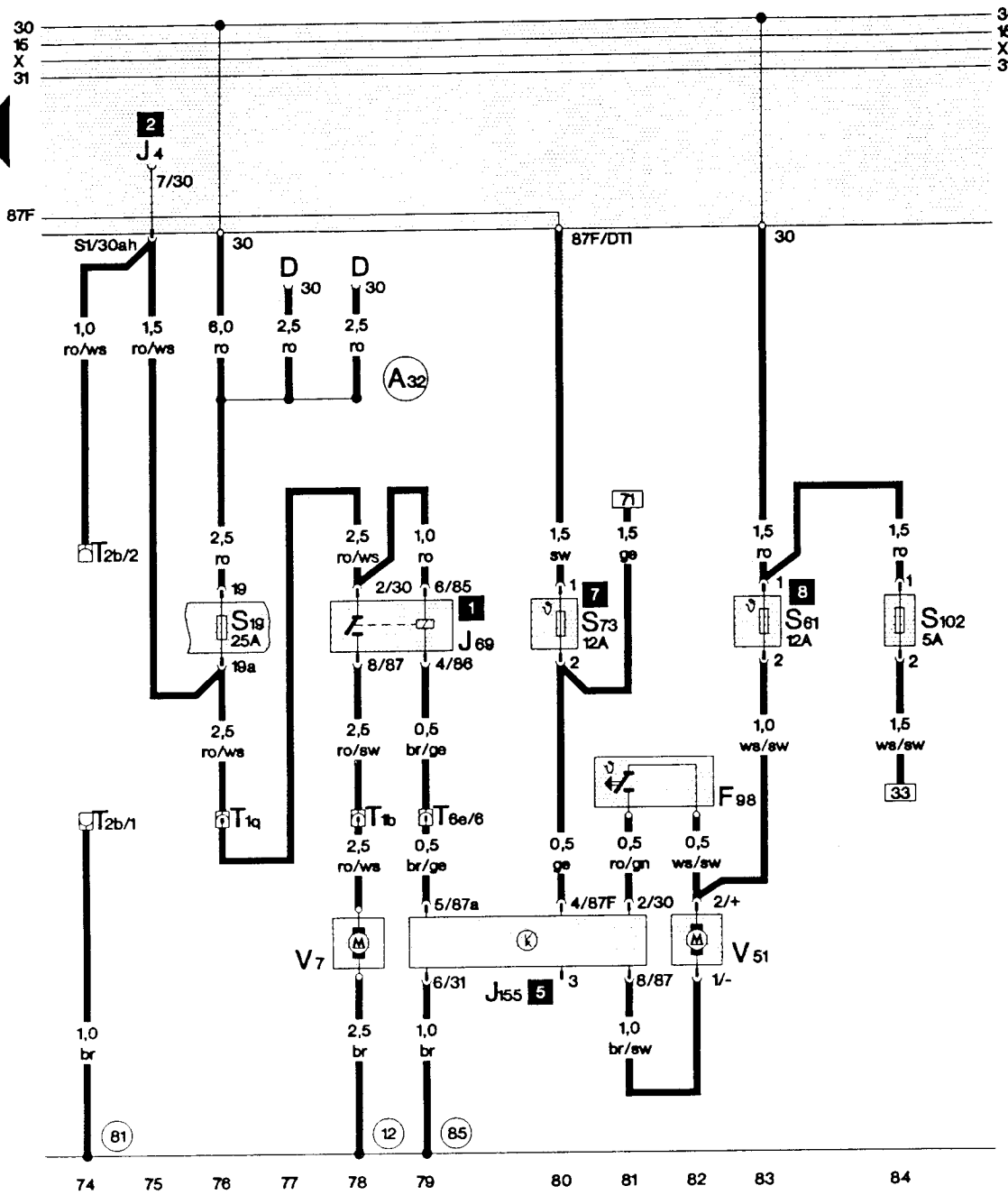


Wiring Color Code
 ws=white
 sw=black
 ro=red
 gn=green
 br=brown
 bl=blue
 gr=gray
 li=violet
 ge=yellow
 or=orange

97-16335

- F 60 - Closed Throttle Position (CTP) Switch
- G - Fuel Level Sensor
- G 6 - Fuel Pump (FP)
- G 39 - Heated Oxygen Sensor (HO2S)
- G 69 - Throttle Position (TP) Sensor
- J 220 - Motronic Engine Control Module (ECM)
- S 17 - Fuse, in Fuse Panel
- T 1a - Single Connector, near heated oxygen sensor (HO2S)
- T 6m - 6-Pin Connector, green, connector station 1
- T 6o - 6-Pin Connector, brown, connector station 1
- Z 19 - Oxygen Sensor (O2S) Heater

- (15) - Ground connection, on cylinder head
- (16) - Ground connection -1-, on valve cover
- (86) - Ground connection -1-, in rear wiring harness
- (131) - Ground connection -2-, in engine compartment wiring harness
- (132) - Ground connection -3-, in engine compartment wiring harness



Wiring Color Code	
ws	=white
sw	=black
ro	=red
gn	=green
br	=brown
bl	=blue
gr	=gray
li	=violet
ge	=yellow
or	=orange

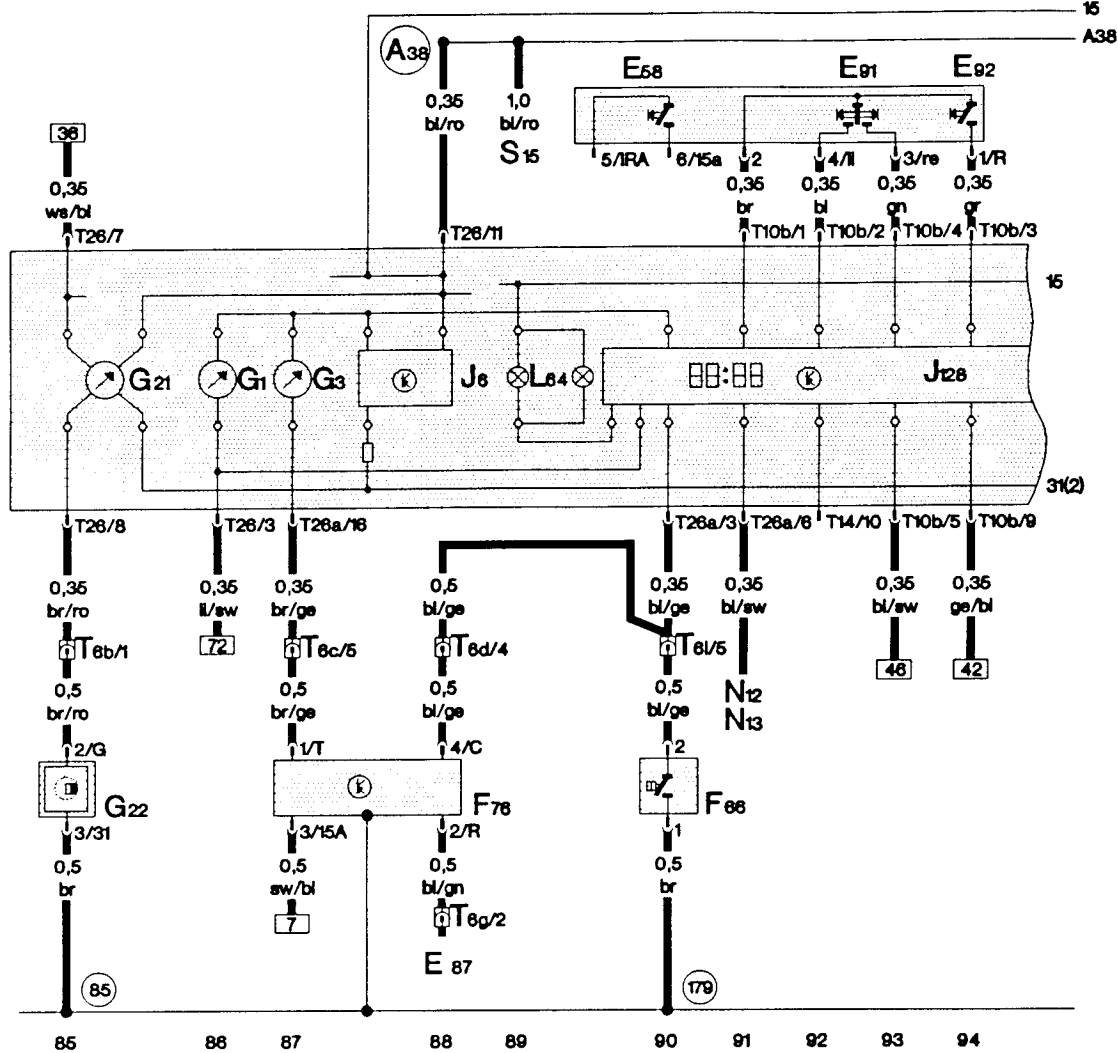
97-15352

- D - Ignition/Starter Switch
- F 98 - Turbocharger (TC) Coolant Pump Thermal Switch
- J 4 - Dual Horn Relay
- J 69 - After-Run Coolant Fan Control (FC) Relay
- J 155 - Turbocharger (TC) Coolant Pump Control Module
- S 19 - Fuse
- S 61 - Refrigerator/WaterPump/Socket Fuse
- S 73 - Heated Oxygen Sensor (HO2S) Circuit Breaker
- S 102 - Engine Control Module (ECM) Fuse
- T 1b - Single Connector, blue, near coolant fan in engine compartment, front left
- T 1q - Single Connector, red, near central electric panel
- T 2b - Double Connector, black, Data Link Connector (supply), on auxiliary relay panel I
- T 6e - 6-Pin Connector, white, connector station 1
- V 7 - Coolant Fan
- V 51 - After-Run Coolant Pump

- (12) - Ground connection, in engine compartment, left
- (81) - Ground connection -1-, in instrument panel wiring harness
- (85) - Ground connection -1-, in engine compartment wiring harness
- (A32) - Plus connection (30), in instrument panel wiring harness

30
15
X
31

30
15
X
31

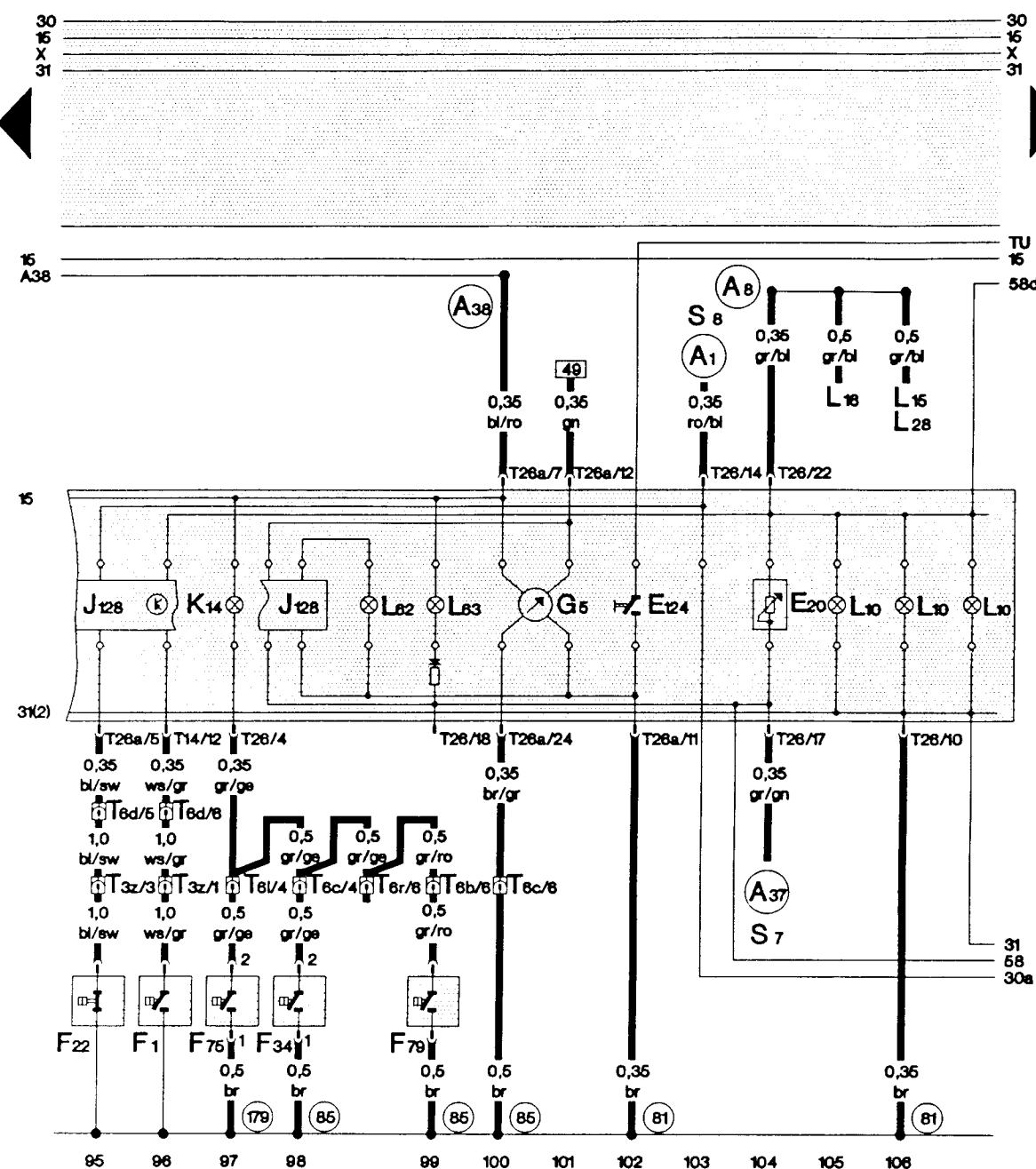


Wiring Color Code
 ws=white
 sw=black
 ro=red
 gn=green
 br=brown
 bl=blue
 gr=gray
 li=violet
 ge=yellow
 or=orange

- E 58 - Intensive Windshield Washer Switch
- E 87 - A/C Control Head
- E 91 - Board Computer Function Selector Switch
- E 92 - Board Computer Reset Button
- F 66 - Engine Coolant Level (ECL) Warning Switch
- F 76 - Electronic Engine Coolant Temperature (ECT) Thermal Switch
- G 1 - Fuel Gauge
- G 3 - Engine Coolant Temperature (ECT) Gauge
- G 21 - Speedometer
- G 22 - Speedometer Vehicle Speed Sensor (VSS)
- J 6 - Voltage Stabilizer
- J 128 - Computer Display Unit
- L 64 - Auto-Check Display Illumination Light
- N 12 - Right Brake Pad Wear Indicator (Shear Element)
- N 13 - Left Brake Pad Wear Indicator (Shear element)
- S 15 - Fuse
- T 6b - 6-Pin Connector, red, connector station 2
- T 6c - 6-Pin Connector, green, connector station 2
- T 6d - 6-Pin Connector, gray, connector station 2
- T 6g - 6-Pin Connector, blue, connector station 2
- T 6i - 6-Pin Connector, yellow, connector station 1

- T 26 - 26 Pin Connector, red, on instrument cluster
- T 26a - 26-Pin Connector, green, on instrument cluster
- (85) - Ground connection -1-, in engine compartment wiring harness
- (179) - Ground connection, in left headlight wiring harness
- (A38) - Plus connection (15a II), in instrument panel wiring harness

97-18005

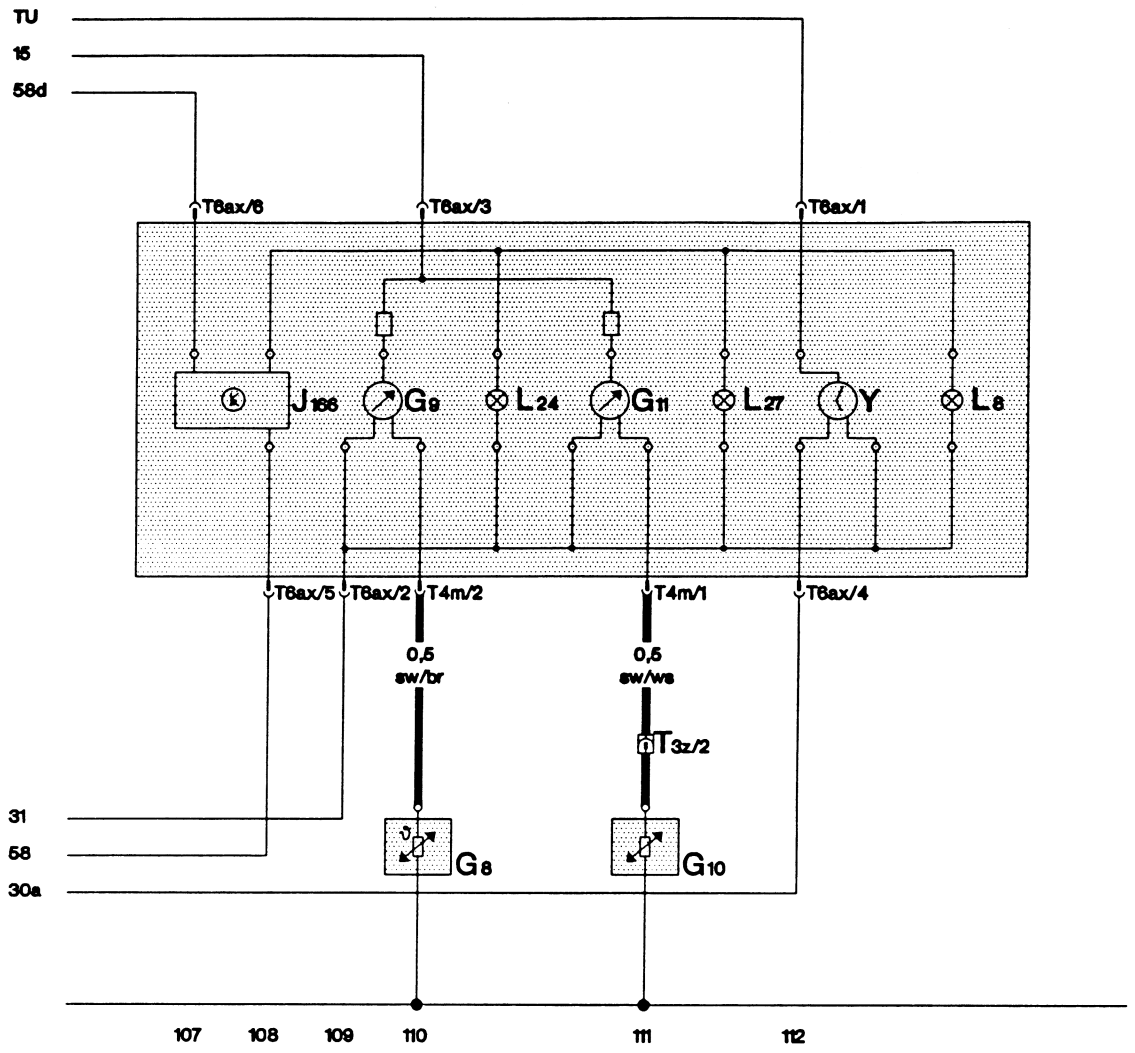
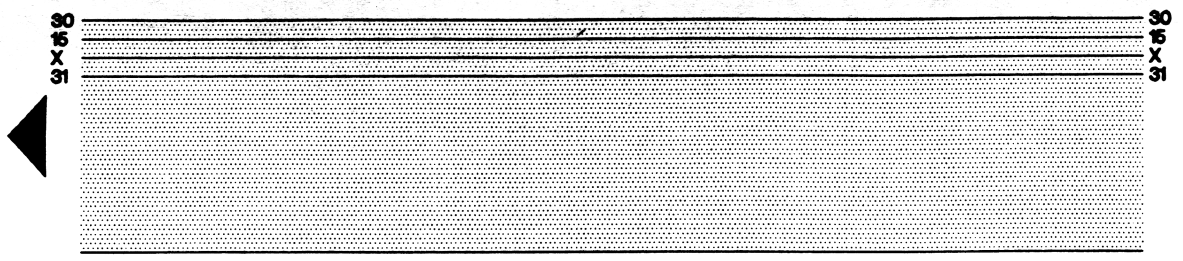


Wiring Color Code
 ws = white
 sw = black
 ro = red
 gn = green
 br = brown
 bl = blue
 gr = gray
 li = violet
 ge = yellow
 or = orange

97-16006

- E 20 - Instrument Panel Light Dimmer Switch
- E 124 - Clock Set Button
- F 1 - 1.8 bar Oil Pressure Switch
- F 22 - 0.3 bar Oil Pressure Switch
- F 34 - Brake Fluid Level Warning Switch
- F 75 - Hydraulic Fluid Low Level Sensor
- F 79 - Hydraulic Pressure Control Switch
- G 5 - Tachometer
- J 128 - Computer Display Unit
- K 14 - Parking Brake Indicator Light
- L 10 - Instrument Cluster Light
- L 15 - Ashtray Light
- L 16 - Fresh Air Control Lever Light
- L 28 - Cigarette Lighter Light
- L 62 - Board Computer Night Illumination
- L 63 - Board Computer Daylight Illumination
- S 7 - Fuse, in Fuse Panel
- S 8 - Fuse, in Fuse Panel
- T 3z - 3-Pin Connector, brown, near transmission switch
- T 6b - 6-Pin Connector, red, connector station 2
- T 6c - 6-Pin Connector, green connector station 2

- T 6d - 6-Pin Connector, gray, connector station 2
- T 6l - 6-Pin Connector, yellow, connector station 1
- T 6r - 6-Pin Connector, black connector station 3
- T 14 - 14-Pin Connector, black, on instrument cluster
- T 26 - 26-Pin Connector, red, on instrument cluster
- T 26a - 26-Pin Connector, green, on instrument cluster
- (81) - Ground connection -1-, in instrument panel wiring harness
- (85) - Ground connection -1-, in engine compartment wiring harness
- (179) - Ground connection, in left headlight wiring harness
- (A1) - Plus connection (30a), in instrument panel wiring harness
- (A8) - Plus connection (58 D2), in instrument panel wiring harness
- (A37) - Wire connection (58a), in instrument panel wiring harness
- (A38) - Plus connection (15a II), in instrument panel wiring harness



- Wiring Color Code**
- ws=white
 - sw=black
 - ro=red
 - gn=green
 - br=brown
 - bl=blue
 - gr=gray
 - li=violet
 - ge=yellow
 - or=orange

- G 8 - Engine Oil Temperature Sensor
- G 9 - Engine Oil Temperature Gauge
- G 10 - Engine Oil Pressure Sensor
- G 11 - Engine Oil Pressure Gauge
- J 166 - Center Console Instrument Lighting Booster
- L 8 - Clock Light
- L 24 - Oil Temperature Gauge Light
- L 27 - Oil Pressure Gauge Light
- T 3z - 3-Pin Connector, brown, near transmission switch
- T 4m - 4-Pin Connector, black, auxiliar instrument connection, on instrument cluster
- T 6ax - 6-Pin Connector, internal instrument cluster connection
- Y - Analogue Clock

97-18007