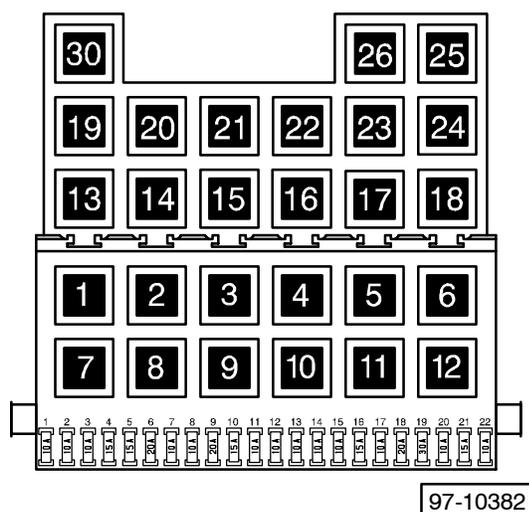


2.5 L-Engine – Digifant Multiport Fuel Injection (MFI)/81kW, code AAF, Canada only,

from September 1991 to April 1992

Relay location

For relay location and multiple connectors see also section "component locations".

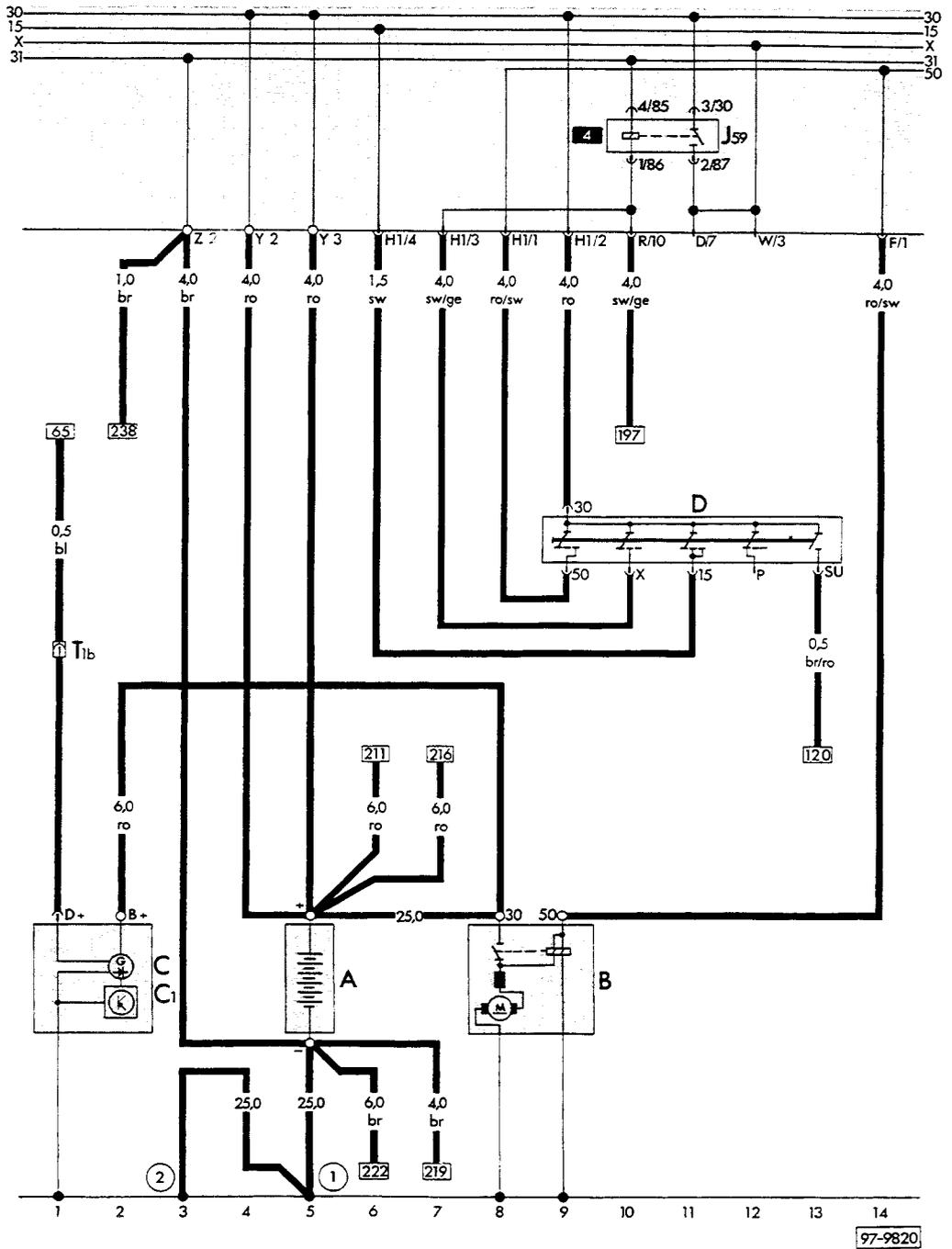


- 2** – Rear Window Wiper/Washer Relay (72)
- 3** – Digifant Engine Control Module (ECM)
Power Supply Relay (30)
- 4** – Load Reduction Relay (18)
- 6** – Emergency Flasher Relay (21)
- 7** – Headlight Washer System Relay (33)
- 8** – Washer/Wiper Intermittent Relay (19)
- 9** – Seat Belt Warning System Relay (4)
- 11** – Dual Horn Relay (53)
- 12** – Fuel Pump (FP) Relay (80)
- 14** – Engine Coolant Pump Relay (38)
- 20** – Engine Coolant Pump Circuit Breaker

Fuse colors

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

Note: Number in parentheses indicates production control number stamped on relay housing.

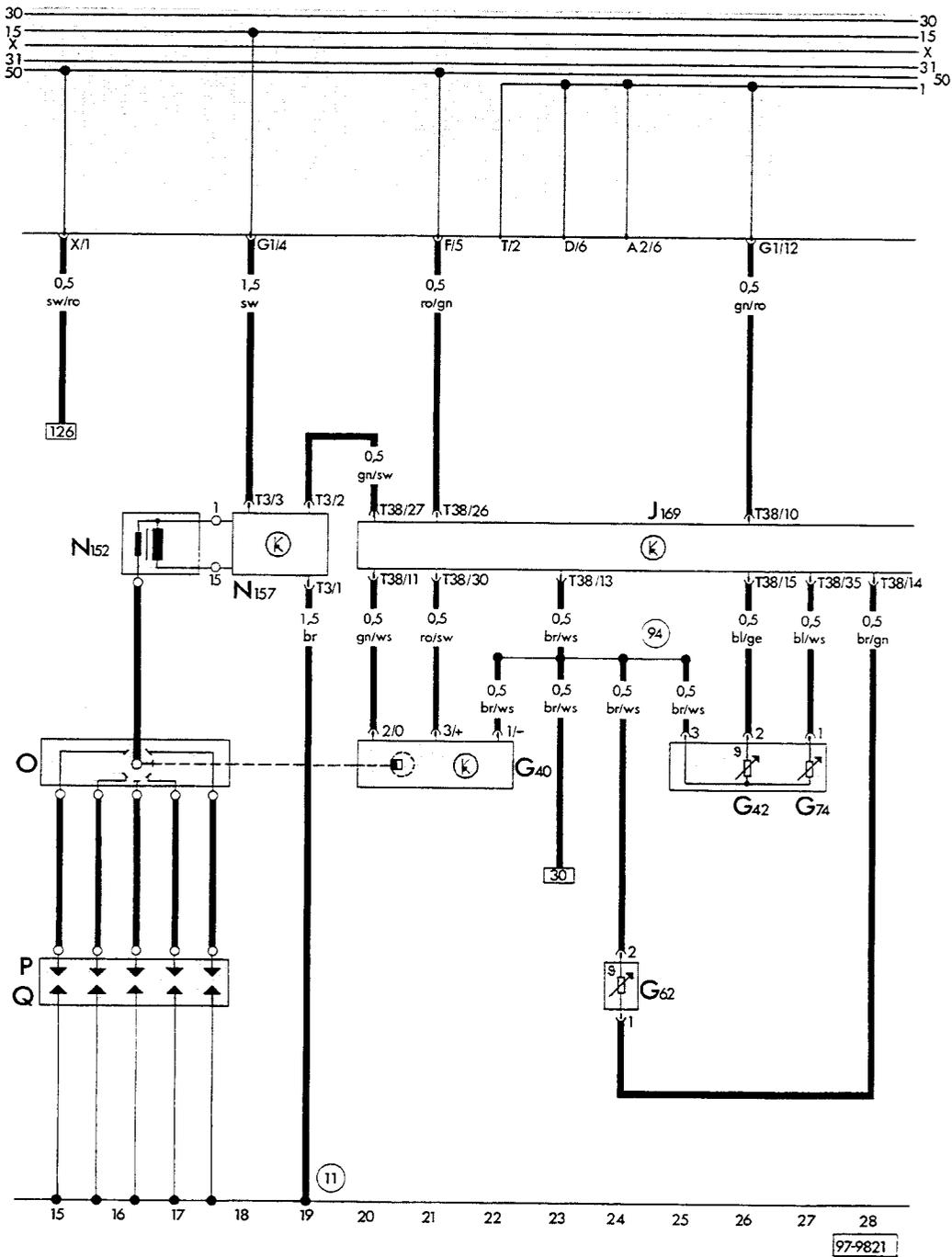


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = violet
- ge = yellow

- A - Battery
- B - Starter
- C - Generator (GEN)
- C1 - Voltage Regulator (VR)
- D - Ignition/Start Switch
- J59 - Load Reduction Relay
- T1b - Single Connector, near starter

- ① - Ground strap, battery to body
- ② - Ground strap, transmission to body

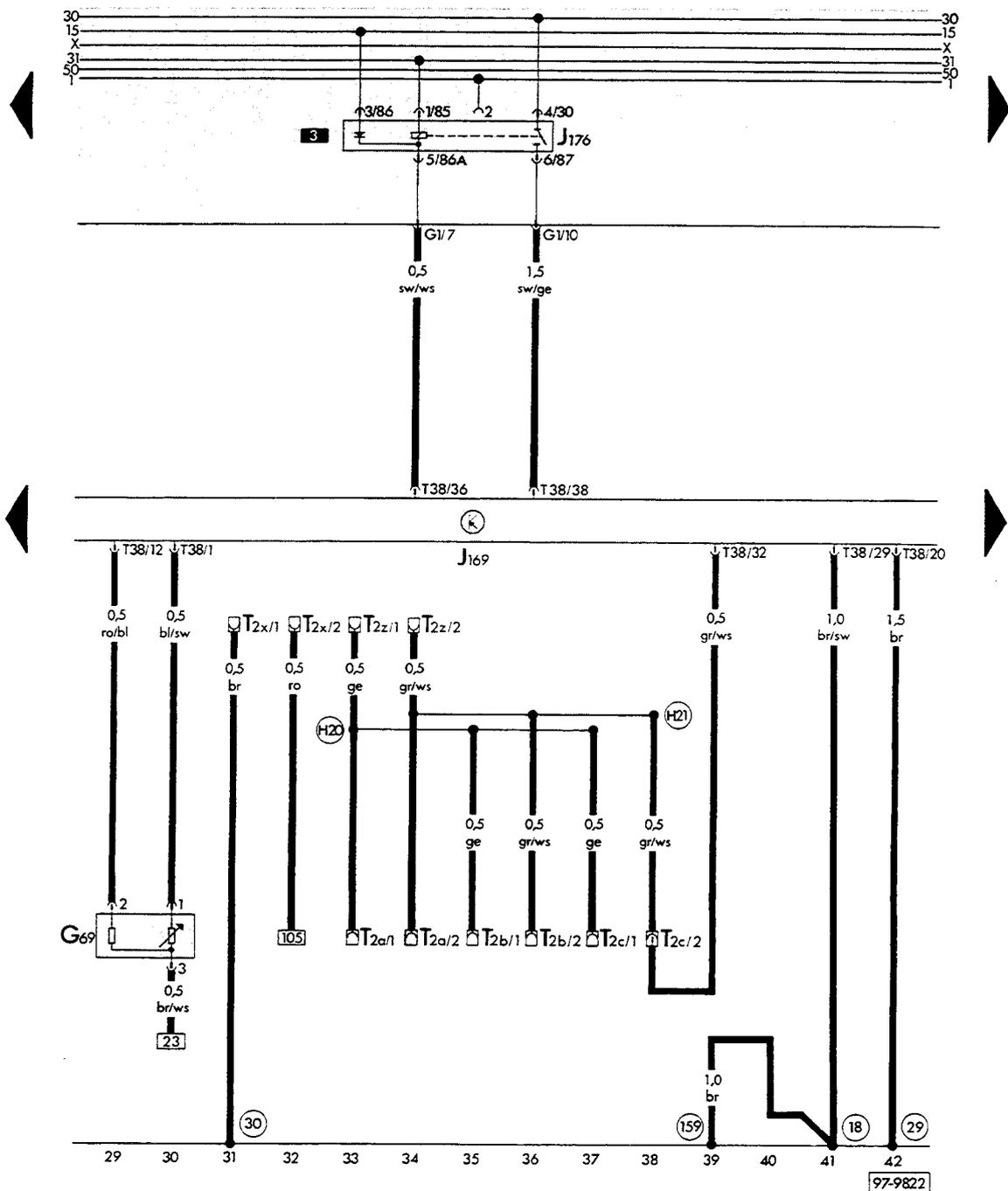
97-9820



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

- G40 – Camshaft Position (CMP) Sensor
- G42 – Intake Air Temperature (IAT) Sensor (00523-2322)
- G62 – Engine Coolant Temperature (ECT) Sensor (0522-2312)
- G74 – CO Fuel Trim (FT) Potentiometer (00521-2242)
- J169 – Digifant Engine Control Module (ECM)
- N152 – Ignition Coil
- N157 – Ignition Coil Power Output Stage
- O – Ignition Distributor
- P – Spark Plug Connectors
- Q – Spark Plugs
- T3 – 3-Pin Connector, on Ignition Coil Power Output Stage
- T38 – 38-Pin Connector

- (11) – Ground connection, in battery box
- (94) – Ground connection -1-, in Digifant Multiport Fuel Injection (MFI) wiring harness

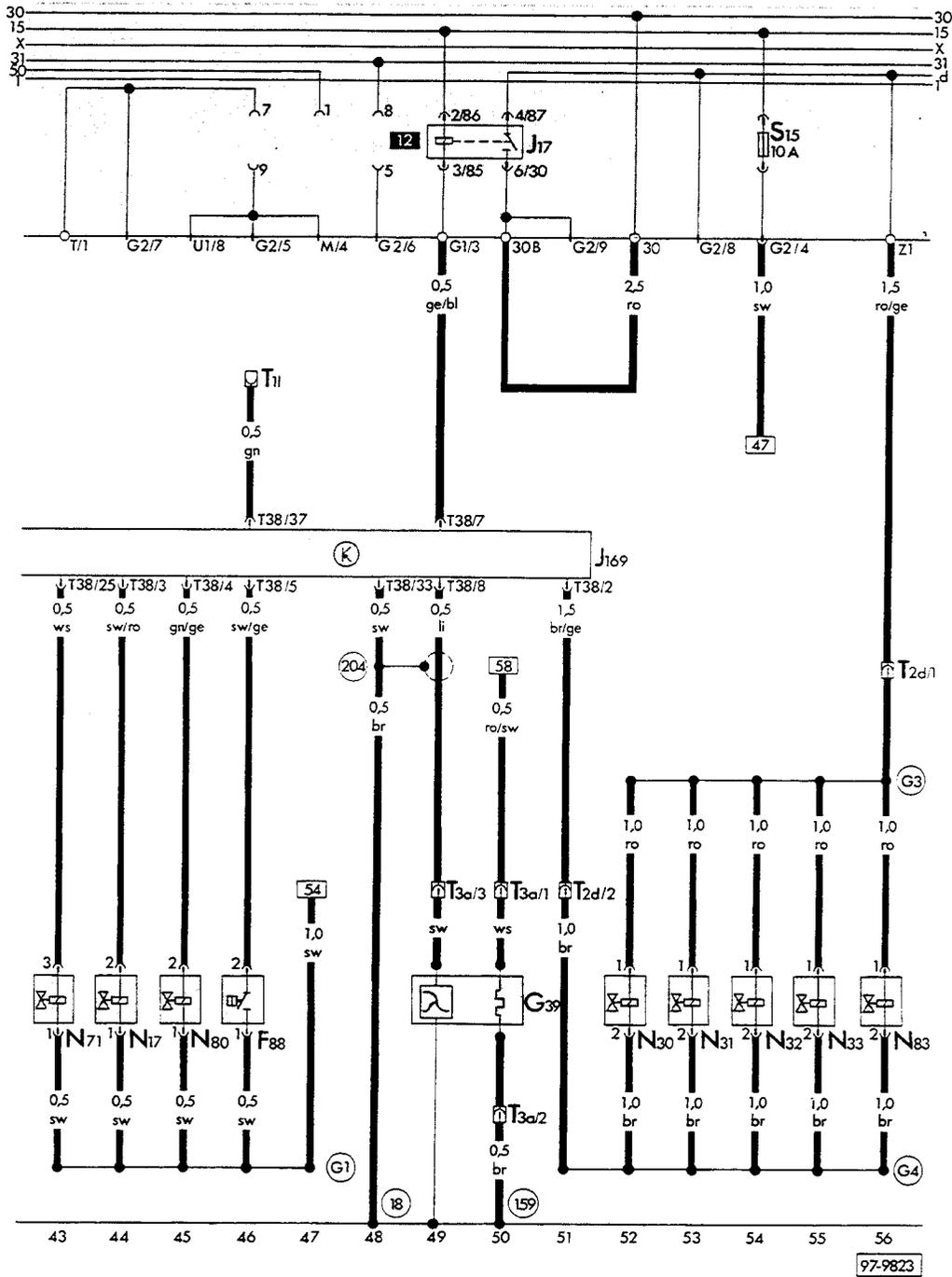


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = violet
- ge = yellow

- G69 – Throttle Position (TP) Sensor (00518–2212)
- J169 – Digifant Engine Control Module (ECM)
- J176 – Digifant Engine Control Module (ECM) Power Supply Relay
- T2a – Double Connector, behind instrument panel, left*
- T2b – Double Connector, behind instrument panel, left *
- T2c – Double Connector behind instrument panel, left
- T2x – Double Connector, –black–, behind fuse/relaypanel cover (OBD)
- T2z – Double Connector, –white–, behind fuse/relay panel cover (OBD)
- T38 – 38-Pin Connector (T38/31 is connected with automatic transmission only)

- (18) – Ground connection, on engine block
- (29) – Ground connection, near battery
- (30) – Ground connection, -1-, beside fuse/relay panel
- (159) – Ground connection -2-, in Digifant Multiport Fuel Injection (MFI) wiring harness
- (H20) – Wire connection -1-, in On Board Diagnostic (OBD) wiring harness
- (H21) – Wire connection -2-, in On Board Diagnostic (OBD) wiring harness

* – With further On Board Diagnostic (OBD) systems only

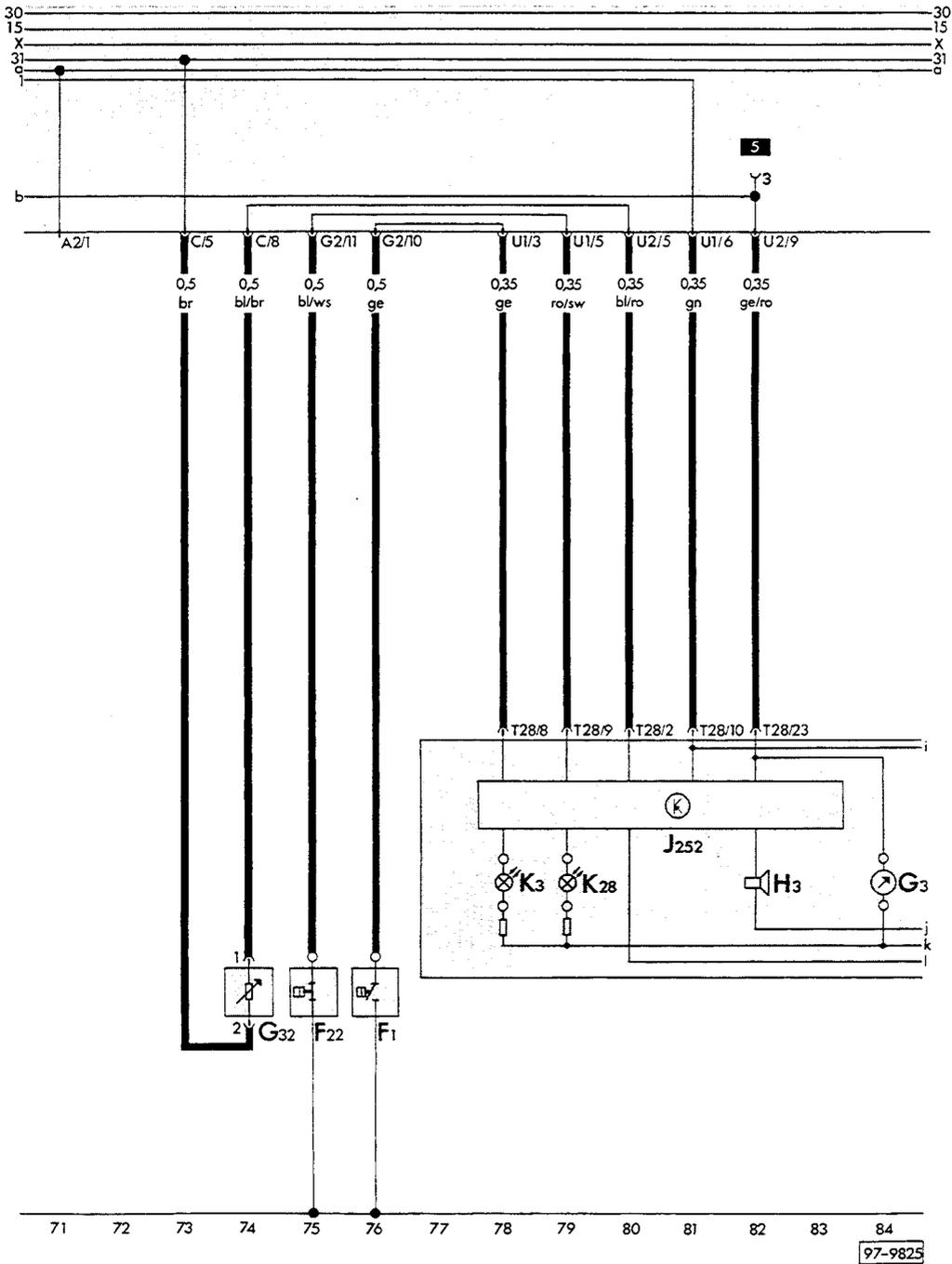


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = violet
- ge = yellow

- F88 - Power Steering Pressure (PSP) Switch
- G39 - Heated Oxygen Sensor (HO2S) (00525-2342)
- J17 - Fuel Pump (FP) Relay
- J169 - Digifant Engine Control Module (ECM)
- N17 - Cold Start Injector
- N30 - Cylinder 1 Fuel Injector
- N31 - Cylinder 2 Fuel Injector
- N32 - Cylinder 3 Fuel Injector
- N33 - Cylinder 4 Fuel Injector
- N71 - Idle Air Control (IAC) Valve
- N80 - Evaporative Emission (EVAP) Canister Purge Regulator Valve
- N83 - Cylinder 5 Fuel injector
- T11 - Single Connector, behind fuse/relay panel
- T2d - Double Connector, in engine compartment, right
- T3a - 3-Pin Connector, near exhaust manifold
- T38* - 38-Pin Connector

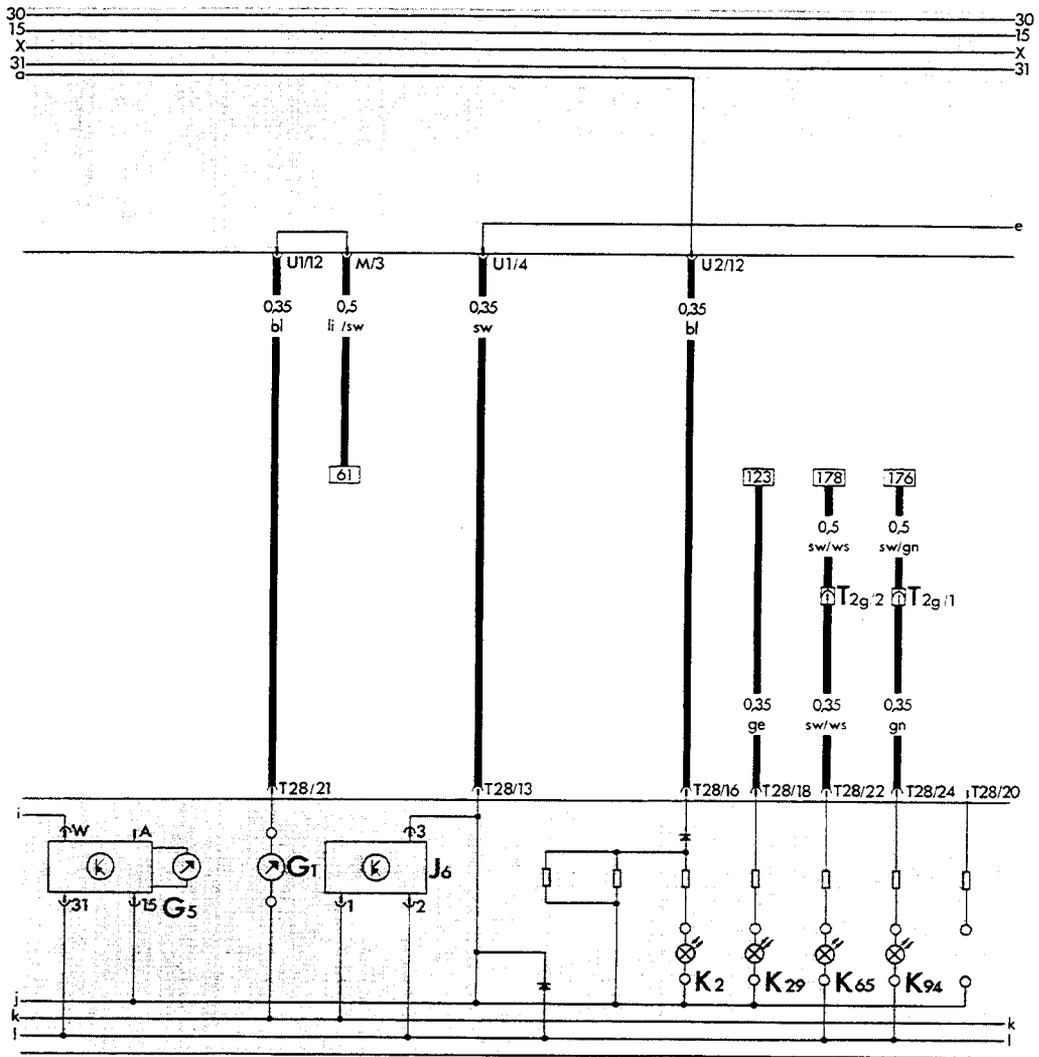
- (18) - Ground connection, on engine block
- (159) - Ground connection -2-, in Digifant Multiport Fuel Injection (MFI) wiring harness
- (204) - Ground connection -3-, in Digifant Multiport Fuel Injection (MFI) wiring harness
- (G1) - Plus connection, in Digifant Multiport Fuel Injection (MFI) wiring harness
- (G3) - Plus connection, in injector wiring harness
- (G4) - Wire connection, in injector wiring harness
- * - T38/31 is used with automatic transmission only

97-9823



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

- F1 – Oil Pressure Switch *
- F22 – 0.3bar Oil Pressure Switch
- G3 – Engine Coolant Temperature (ECT) Gauge
- G32 – Engine Coolant Level (ECL) Sensor
- H3 – Warning Buzzer
- J252 – Oil Pressure and Engine Coolant Level/
Temperature (ECL/ECT) Warning Control
Module
- K3 – Oil Pressure Warning Light
- K28 – Engine Coolant Level/Temperature (ECL/
ECT) Warning Light
- T28 – 28-Pin Connector, on instrument cluster
- * – Switch value, see engine repair manual

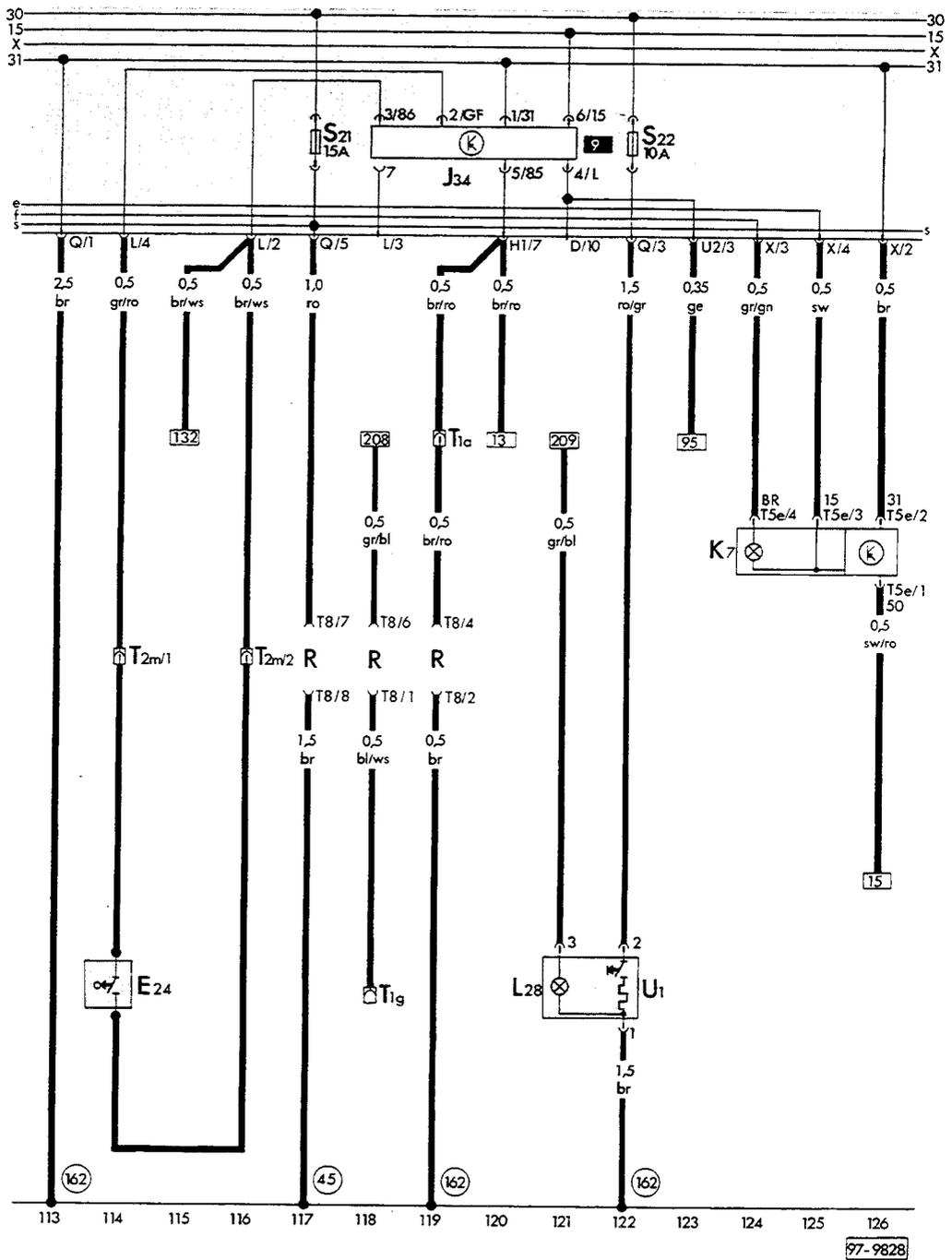


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = violet
- ge = yellow

85 86 87 88 89 90 91 92 93 94 95 96 97 98

97-98.26

- G1 - Fuel Gauge
- G5 - Tachometer
- J6 - Voltage Stabilizer
- K2 - Generator (GEN) Warning Light
- K29 - Glow Plug Indicator Light
- K65 - Left Turn Signal Indicator Light
- K94 - Right Turn Signal Indicator Light
- T2g - Double Connector, behind fuse/relay panel
- T28 - 28-Pin Connector, on instrument cluster



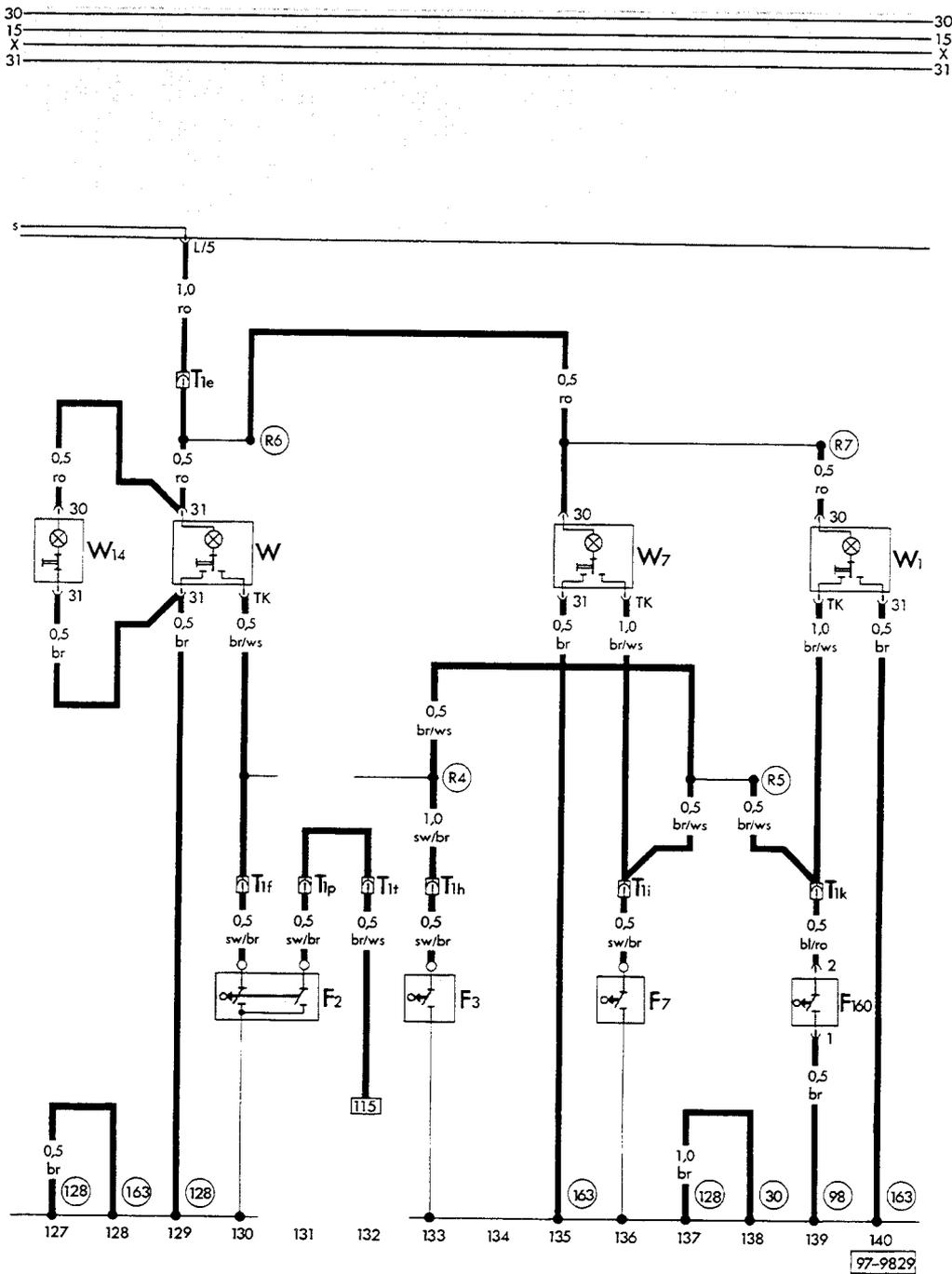
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = violet
- ge = yellow

- E24 - Left Seat Belt Switch
- J34 - Seat Belt Warning System Relay
- K7 - Brake and Parking Warning Light
- L28 - Cigarette Lighter Light
- R - Radio
- T1a - Single Connector, behind instrument panel, left
- T1g - Single Connector, behind fuse/relay panel
- T2m - Double Connector, near left seat belt switch
- T5e - 5-Pin Connector
- T8 - 8-Pin Connector, on radio
- U1 - Cigarette Lighter

(162) - Ground connection, in blower motor wiring harness

(45) - Ground connection, behind instrument panel, center

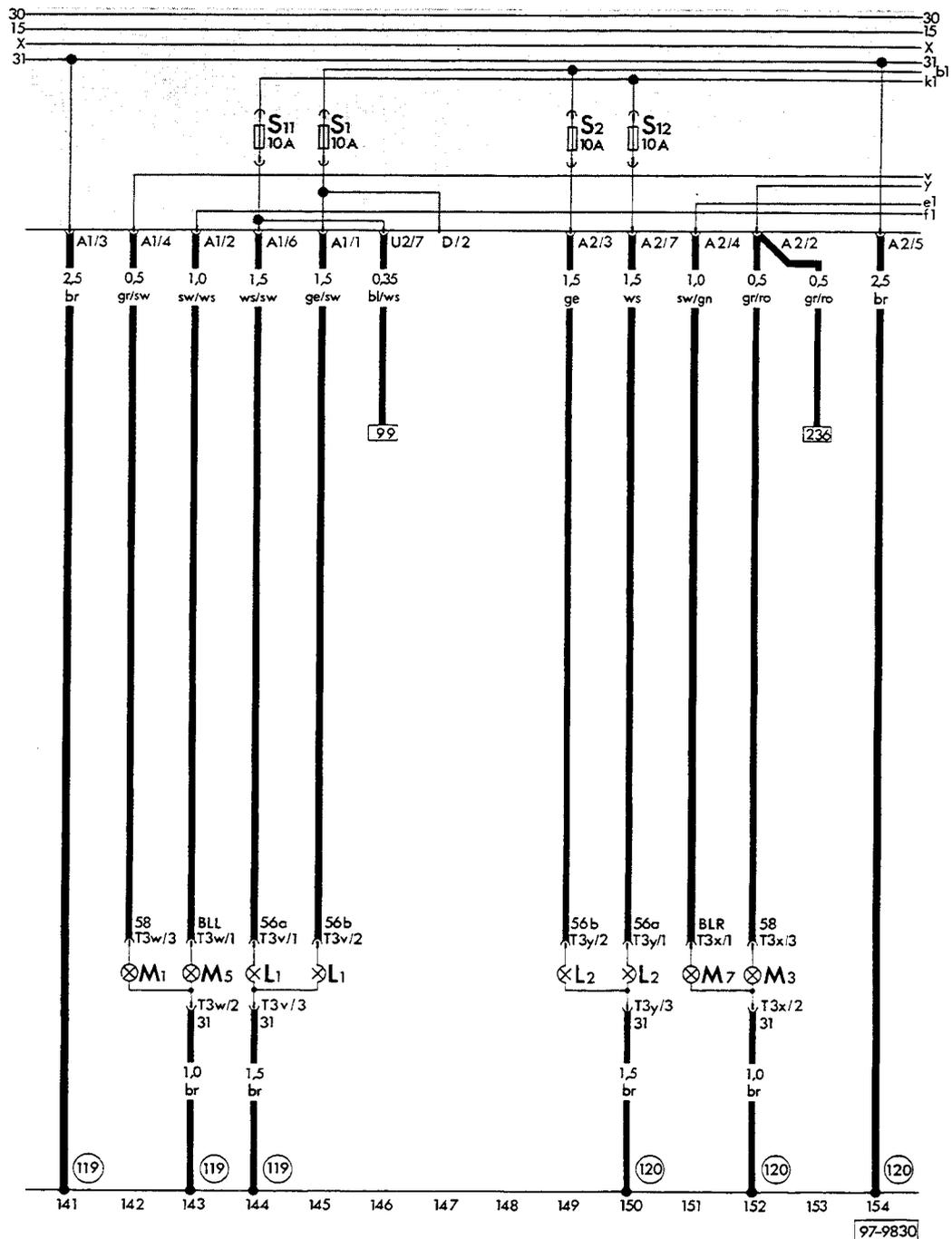
97-9828



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

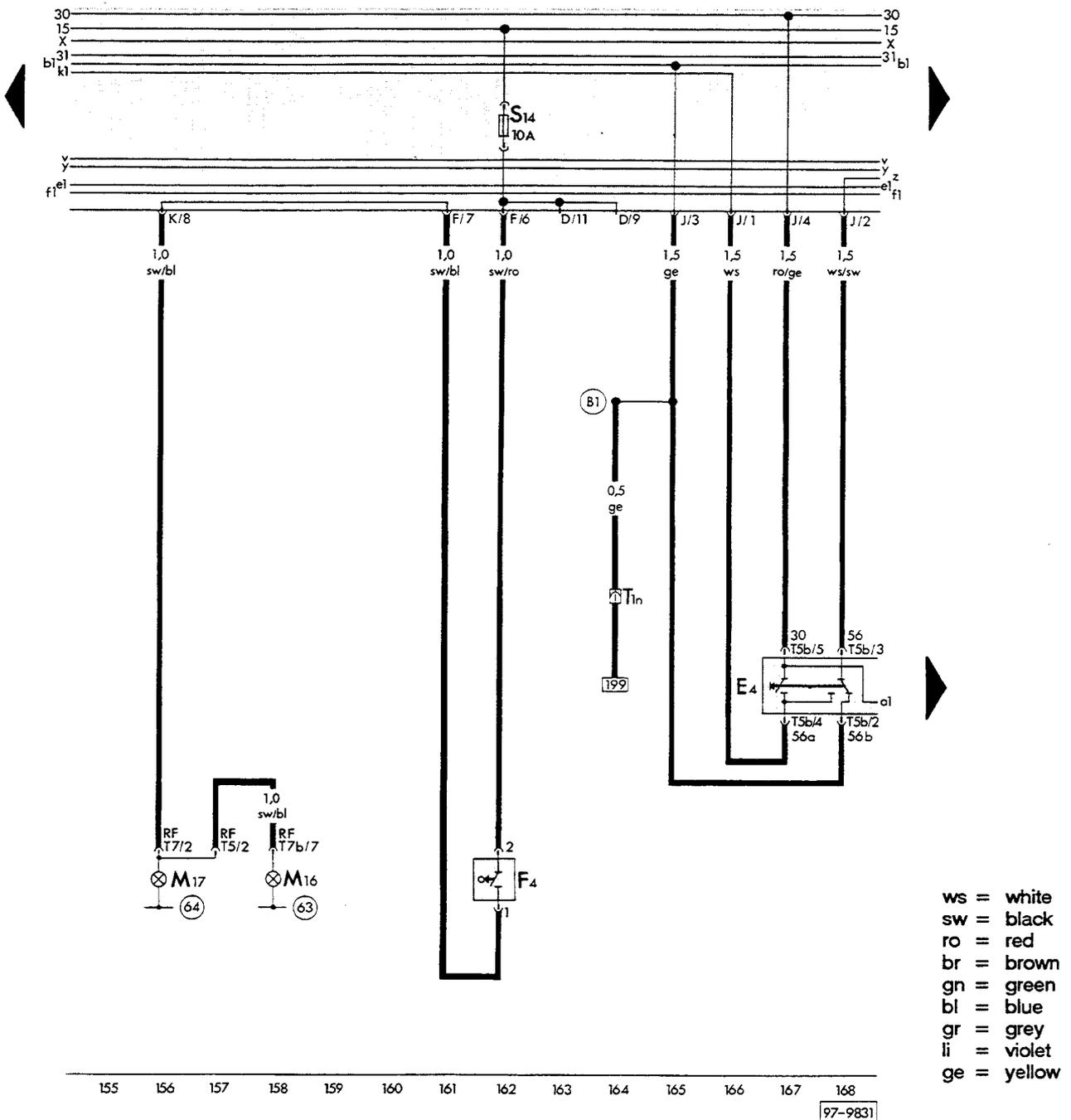
- F2 – Left Front Door Contact Switch
 F3 – Right Front Door Contact Switch
 F7 – Right Rear Side/Sliding Door Contact Switch
 F160 – Rear Lid Contact Switch
 T1e – Single Connector, behind fuse/relay panel
 T1f – Single Connector, behind fuse/relay panel
 T1h – Single Connector, behind instrument panel, right
 T1i – Single Connector, behind fuse/relay panel
 T1k – Single Connector, near taillight, right
 T1p – Single Connector, behind fuse/relay panel
 T1t – Single Connector, on B-pillar, right
 W – Front Interior Light
 W1 – Rear/Luggage Compartment Interior Light
 W7 – Center Interior Light
 W14 – Right Make-Up Mirror Light

- (30) – Ground connection, -1-, beside fuse/relay panel
 (98) – Ground connection, in rear lid wiring harness
 (128) – Ground connection -1-, in interior light wiring harness
 (163) – Ground connection -2-, in interior light wiring harness
 (R4) – Wire connection -1-, in interior light/door contact switch wiring harness
 (R5) – Wire connection -2-, in interior light wiring harness
 (R6) – Plus connection -1-, in interior light wiring harness
 (R7) – Plus connection -2-, in interior light wiring harness



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

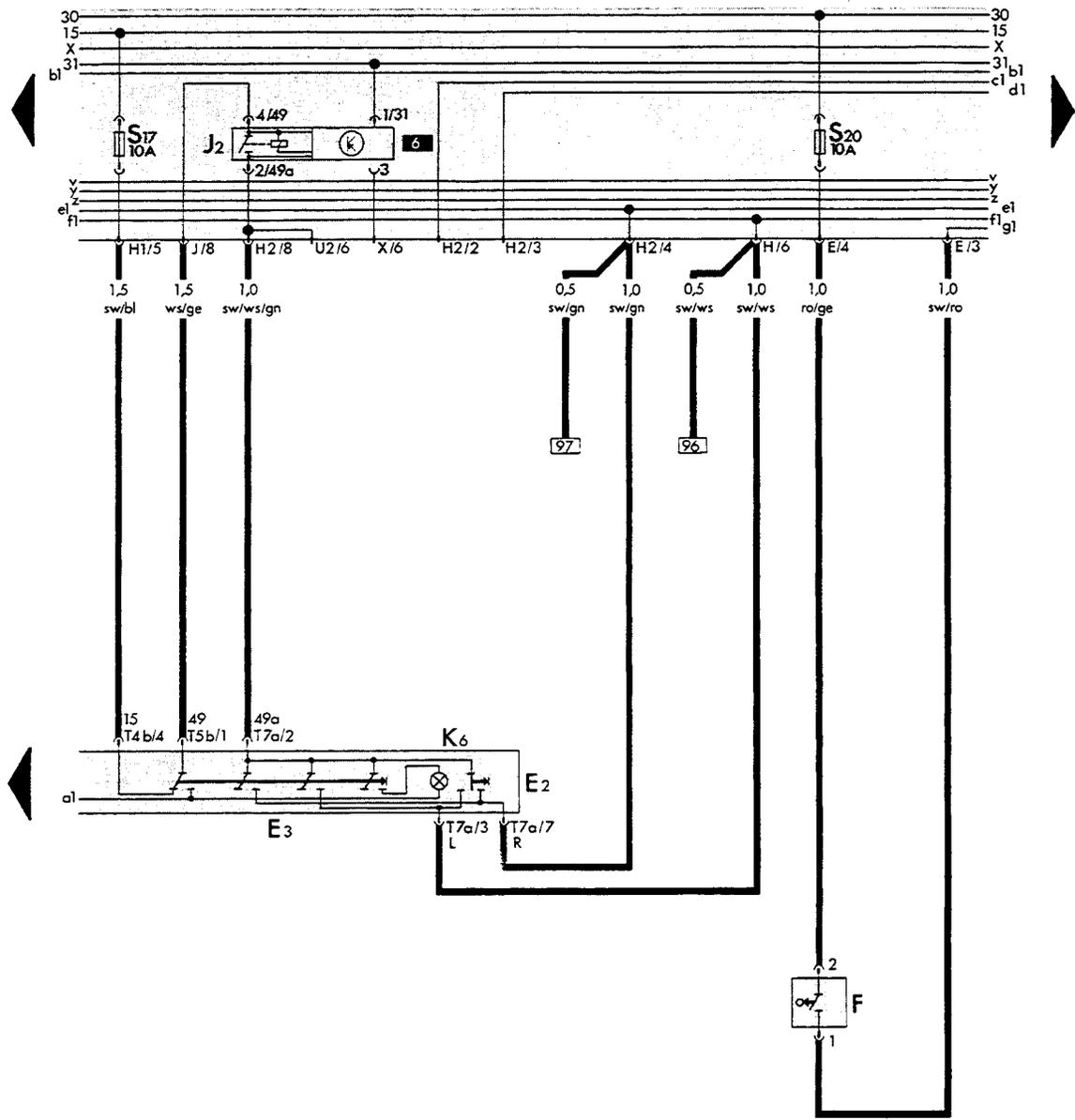
- L1 – Left Headlight
- L2 – Right Headlight
- M1 – Left Parking Light
- M3 – Right Parking Light
- M5 – Left Front Turn Signal Light
- M7 – Right Front Turn Signal Light
- T3v – 3-Pin Connector, on Left Headlight
- T3w – 3-Pin Connector, on Left Front Turn Signal Light
- T3x – 3-Pin Connector, on Right Front Turn Signal Light
- T3y – 3-Pin Connector, on Right Headlight
- (119) – Ground connection -1-, in headlight wiring harness
- (120) – Ground connection -2-, in headlight wiring harness



- E4 – Headlight Dimmer/Flasher Switch
 F4 – Back-Up Light Switch
 M16 – Left Back-Up Light
 M17 – Right Back-Up Light
 T1h – Single Connector, behind instrument panel, left
 T5 – 5-Pin Connector, on Right Back-up Light
 T5b – 5-Pin Connector, behind steering column switch cover
 T7 – 7-Pin Connector, on Right Taillight
 T7b – 7-Pin Connector, on Left Taillight

- 63 – Ground connection, on left taillight bulb holder
 64 – Ground connection, on right taillight bulb holder

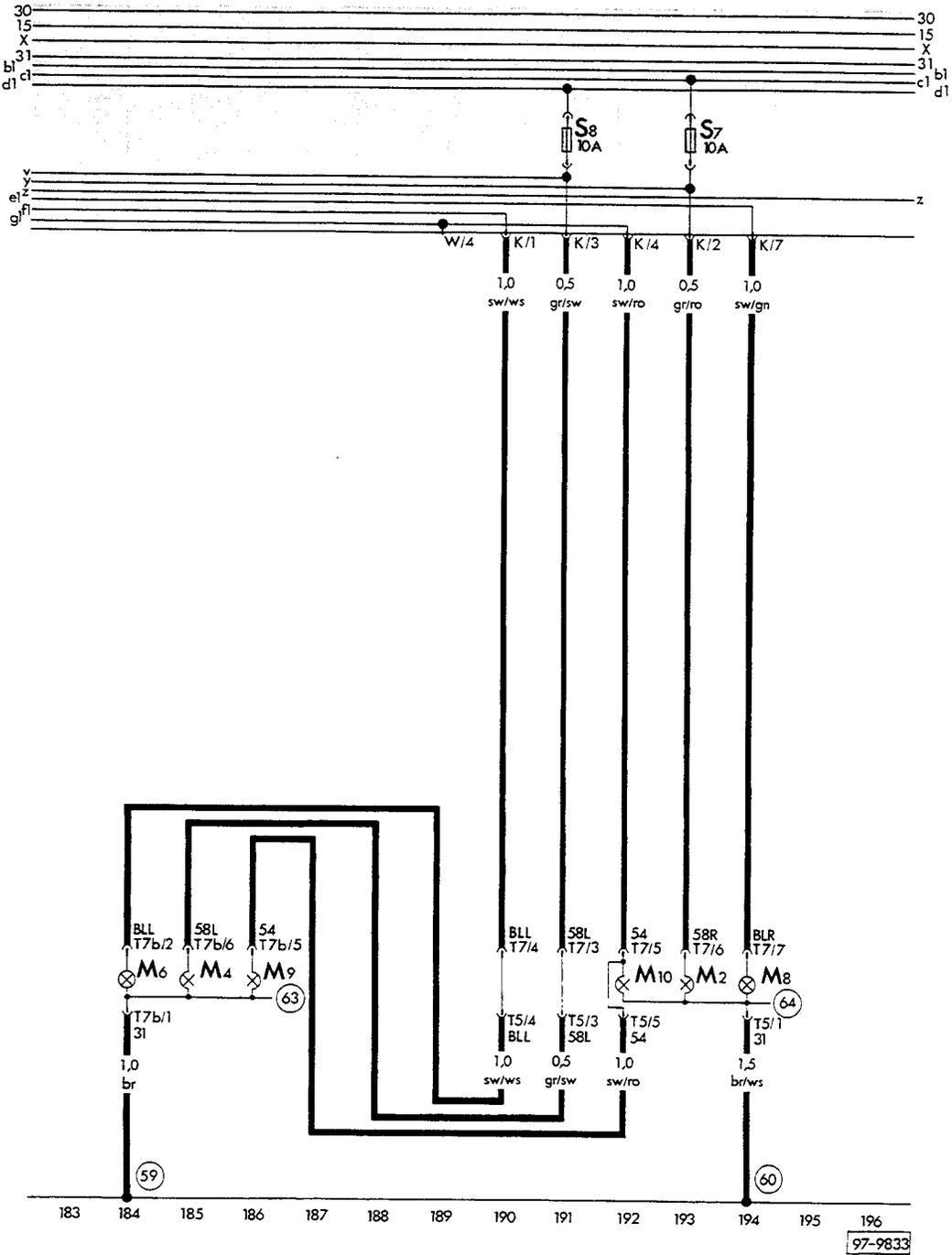
- 81 – Wire connection (56b), in steering column switch wiring harness



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

169 170 171 172 173 174 175 176 177 178 179 180 181 182
 97-9832

- E2 - Turn Signal Switch
- E3 - Emergency Flasher Switch
- F - Brake Light Switch
- J2 - Emergency Flasher Relay
- K6 - Emergency Flasher Warning Light
- T4b - 4-Pin Connector, behind steering column switch cover
- T5b - 5-Pin Connector, behind steering column switch cover
- T7a - 7-Pin Connector, behind steering column switch cover



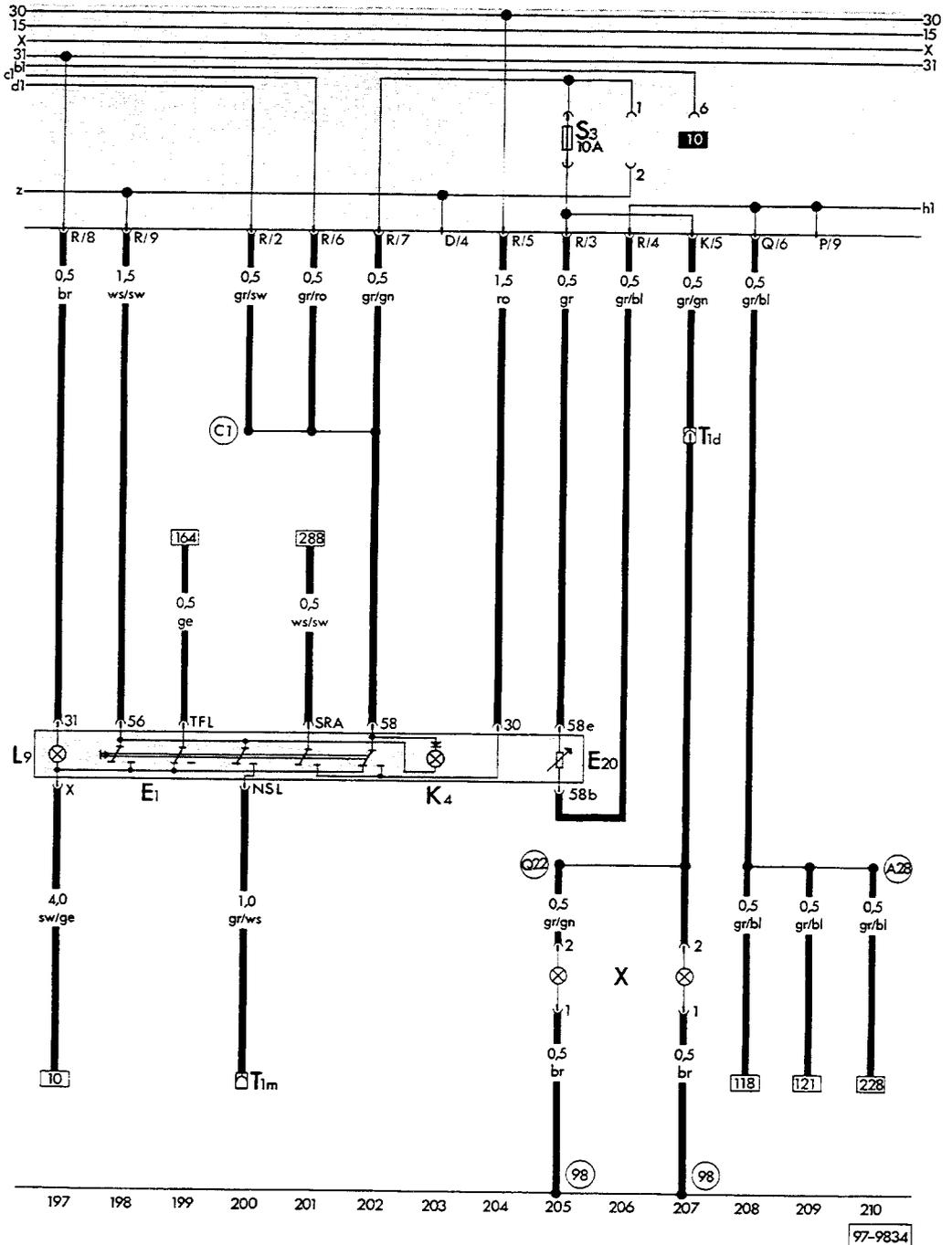
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = violet
 ge = yellow

97-9833

- M2 – Right Taillight
- M4 – Left Taillight
- M6 – Left Rear Turn Signal Light
- M8 – Right Rear Turn Signal Light
- M9 – Left Brake Light
- M10 – Right Brake Light
- T5 – 5-Pin Connector, on Right Taillight
- T7 – 7-Pin Connector, on Right Taillight
- T7b – 7-Pin Connector, on Left Taillight
- 59 – Ground connection, near left taillight
- 60 – Ground connection, near right taillight
- 63 – Ground connection, on left taillight bulb holder

64 – Ground connection, on right taillight bulb holder

* – Different wire routing for flatbed vehicles



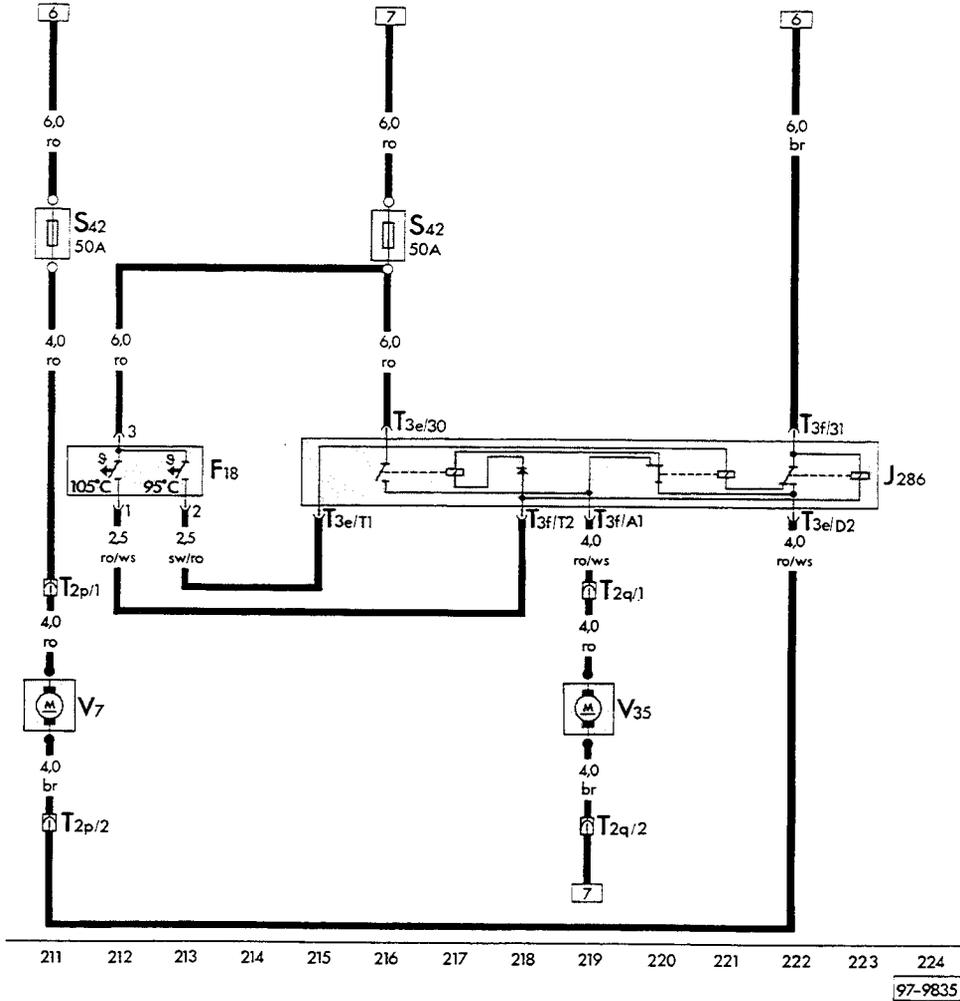
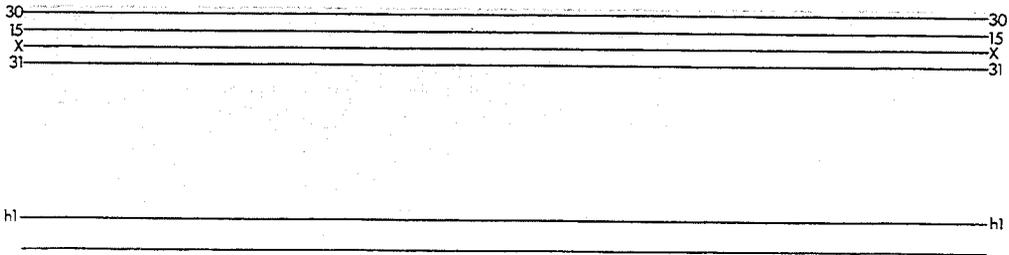
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = violet
- ge = yellow

- E1 – Light Switch
- E20 – Instrument Panel Light Dimmer Switch
- K4 – Park Light Indicator Light
- L9 – Headlight Switch Light
- T1d – Single Connector, behind fuse relay panel
- T1m – Single Connector, behind fuse/relay panel
- X – License Plate Light

- (98) – Ground connection, in rear lid wiring harness
- (A28) – Plus connection (58b), in fresh air blower wiring harness
- (C1) – Plus connection (58L), in left front wiring harness
- (Q22) – Wire connection, in rear lid wiring harness

* – Different wire routing on vehicles with rear swinging doors

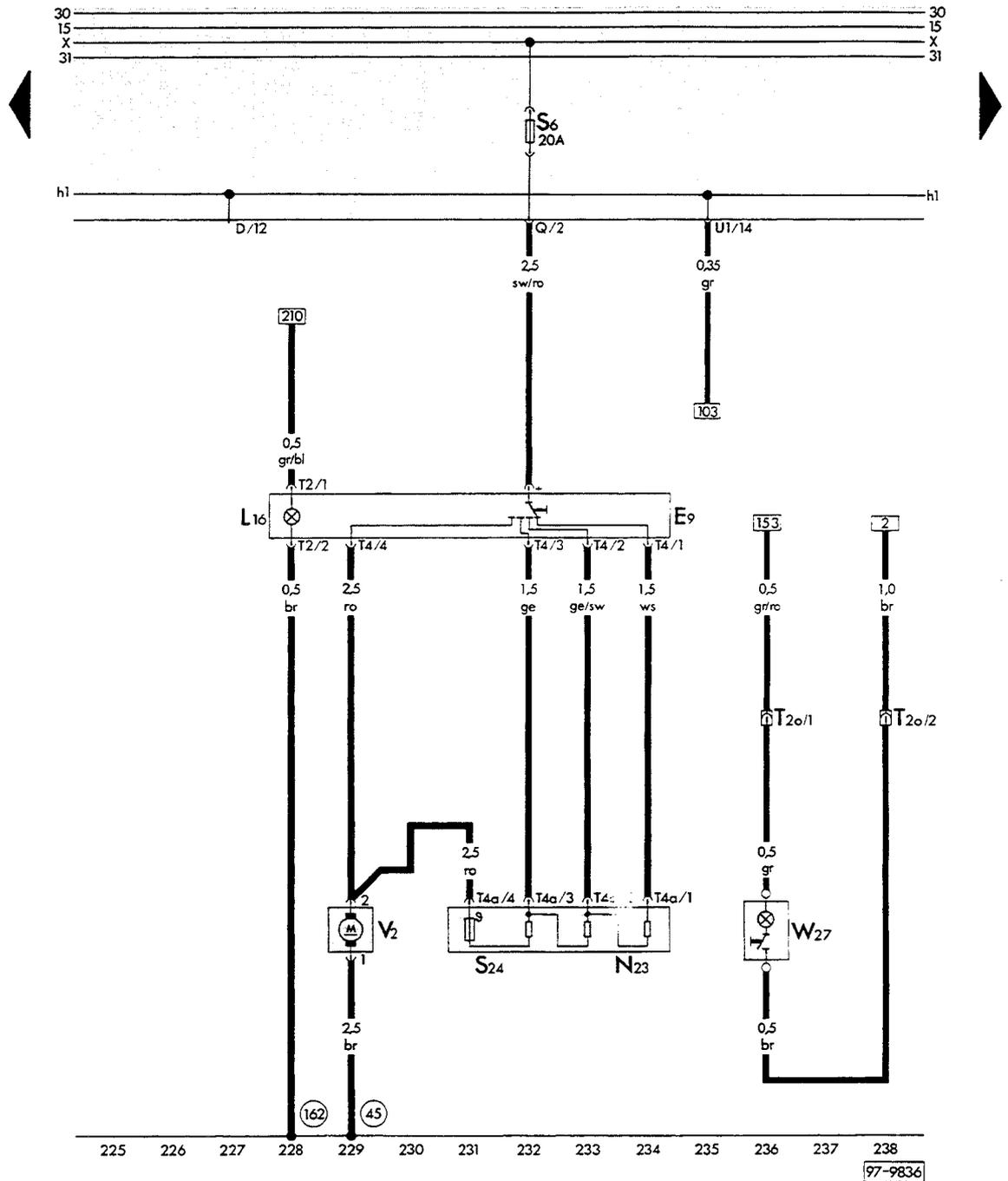
97-9834



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

- F18 – Coolant Fan Control (FC) Thermal Switch
- J286 – Series/Parallel Coolant Fan Control (FC) Relay (V7, V35)
- S42 – Coolant Fan Fuse
- T2p – Double Connector, in engine compartment, front
- T2q – Double Connector, in engine compartment, front
- T3e – 3-Pin Connector
- T3f – 3-Pin Connector
- V7 – Coolant Fan
- V35 – Right Coolant Fan

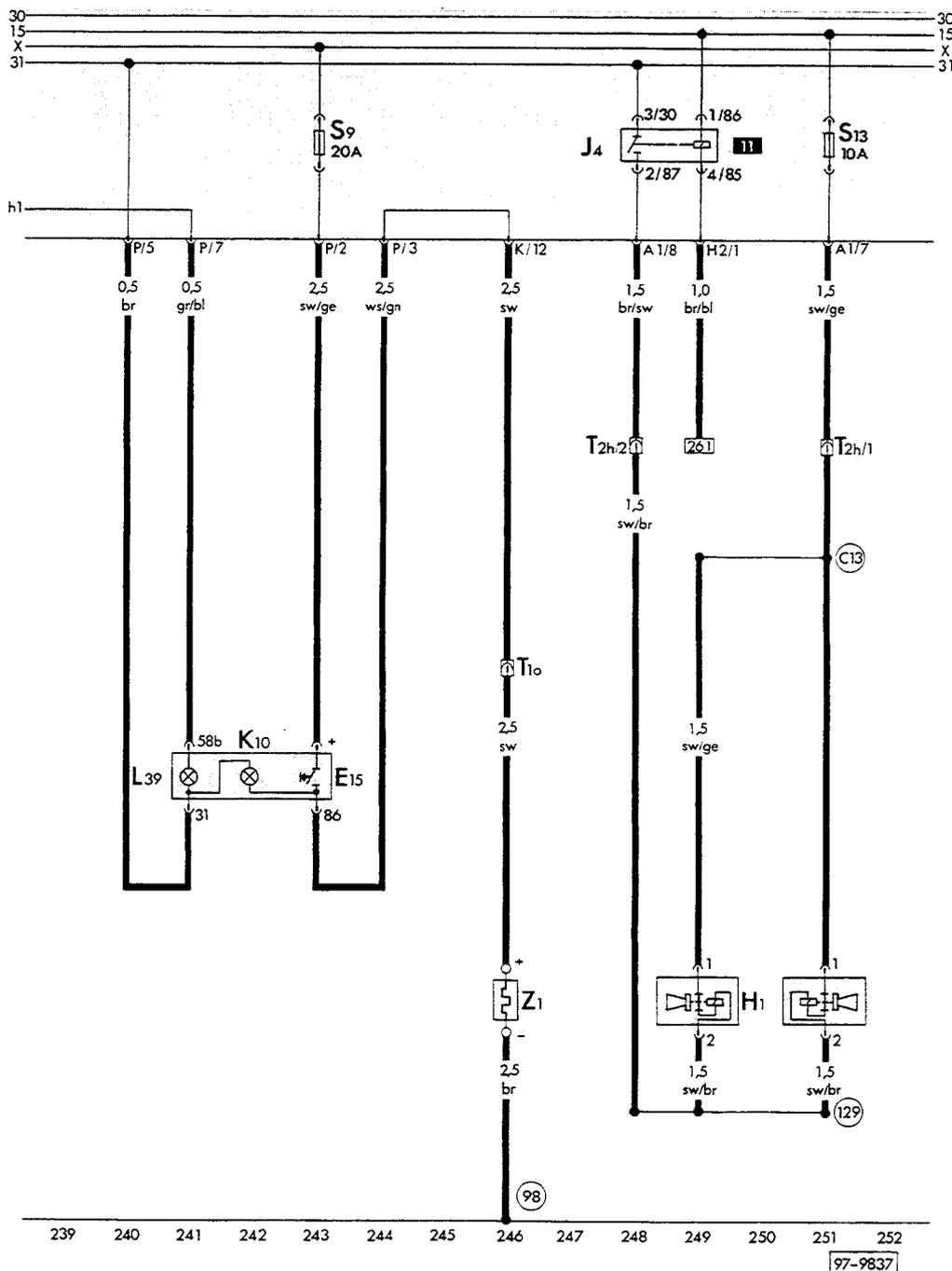
97-9835



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

- E9 - Fresh Air Blower Switch
 - L16 - Fresh Air Control Lever Light
 - N23 - Fresh Air Blower Series Resistance
 - S24 - Heater, A/C Clutch Fuse
 - T2 - Double Connector
 - T2o - Double Connector, near battery
 - T4 - 4-Pin Connector
 - T4a - 4-Pin Connector
 - V2 - Fresh Air Blower
 - W27 - Engine Compartment Light
- (45) - Ground connection, behind instrument panel, center
 - (162) - Ground connection, in blower motor wiring harness

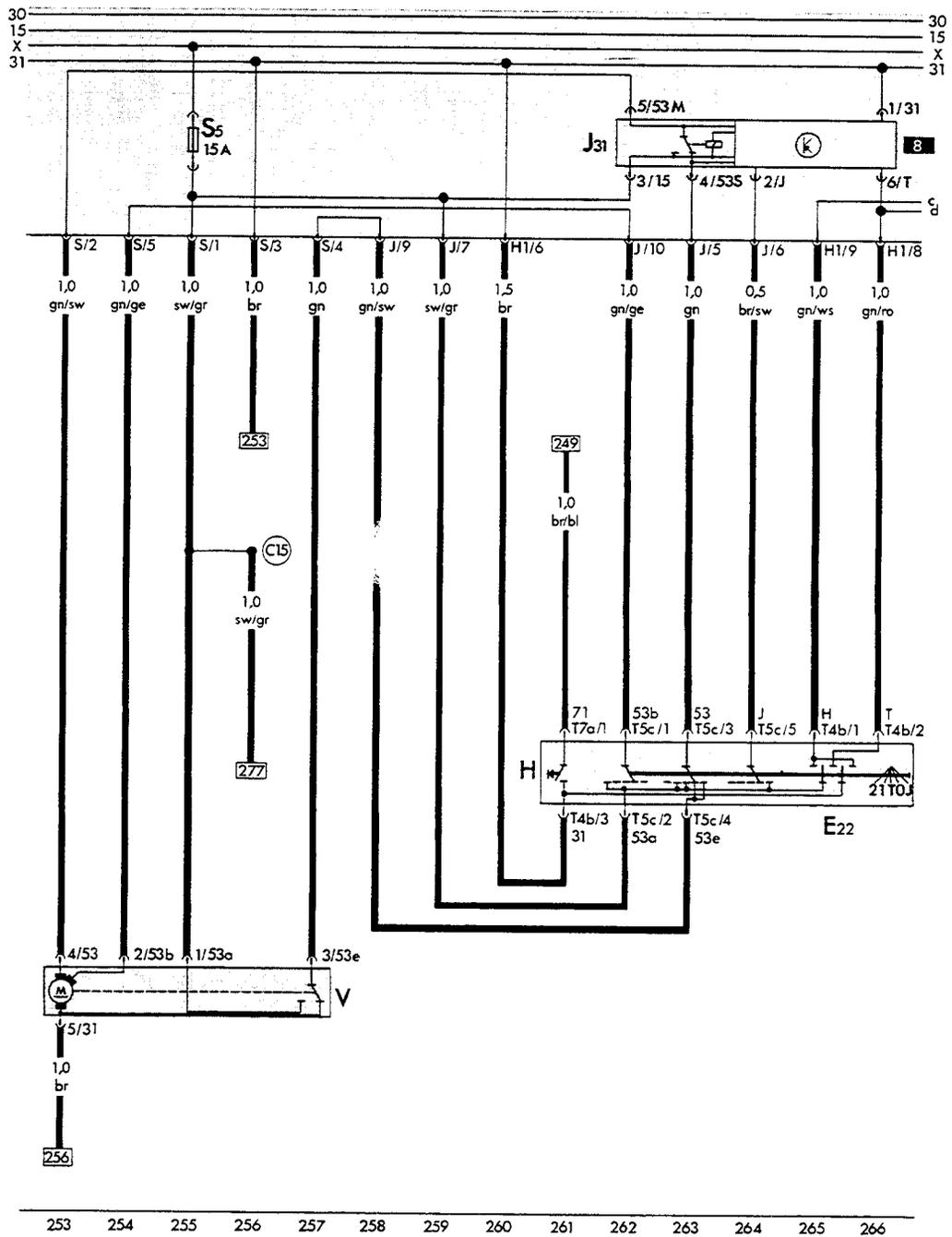
97-9836



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

- E15 – Rear Window Defogger Switch
- H1 – Dual Horns
- J4 – Dual Horn Relay
- K10 – Rear Window Defogger Indicator Light
- L39 – Rear Window Defogger Switch Light
- T1o – Single Connector, near right taillight
- T2h – Double Connector, in engine compartment, left front
- Z1 – Rear Window Defogger/Heat Element
- (98) – Ground connection, in rear lid wiring harness
- (129) – Ground connection, in dual tone horn wiring harness
- (C13) – Plus connection, in dual tone horn wiring harness

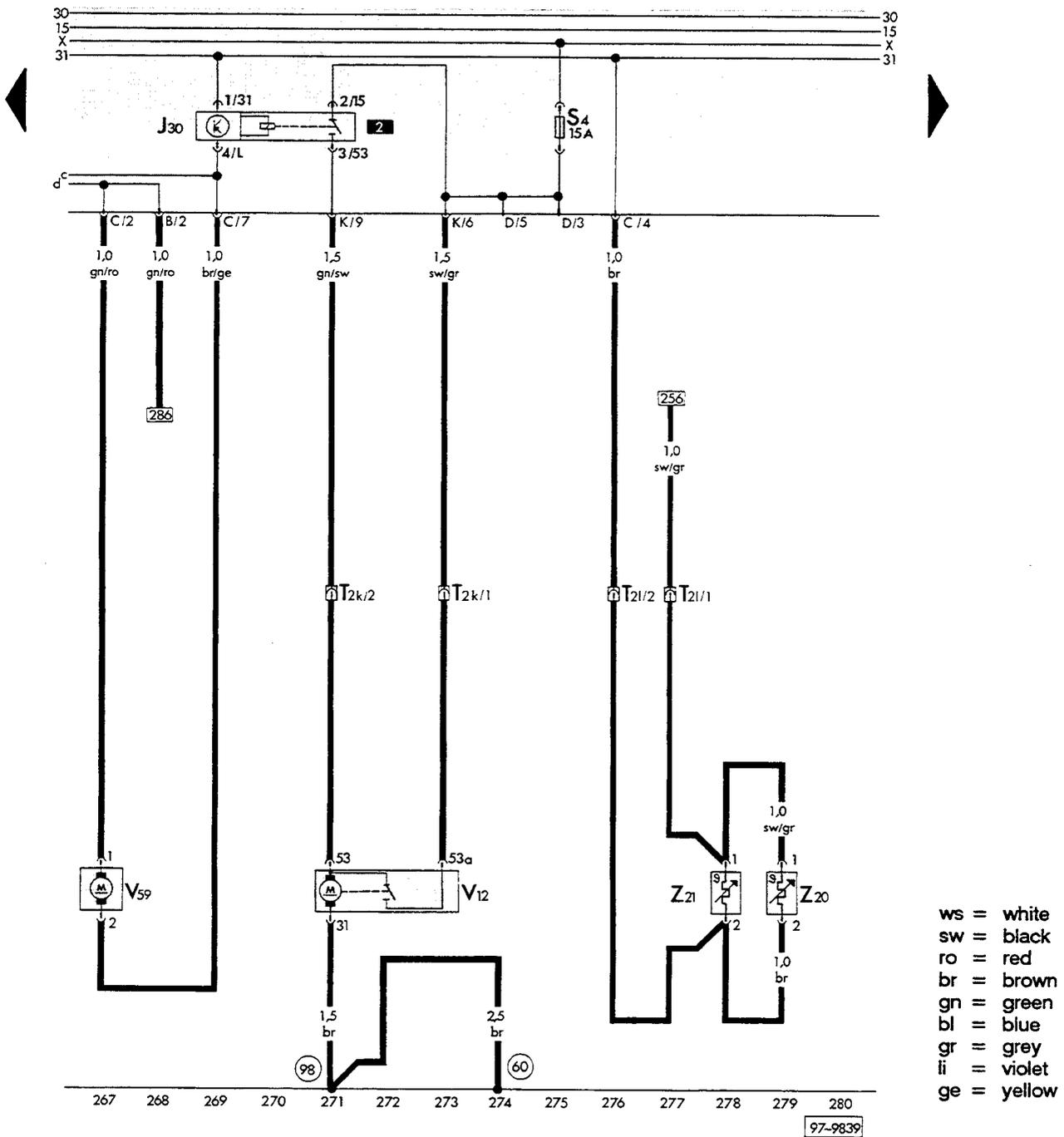
* – Different wire routing on vehicles with rear swinging doors



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

- E22 – Windshield Wiper/Washer Switch
- H – Horn Button
- J31 – Washer/Wiper Intermittent Relay
- T4b – 4-Pin Connector, behind steering column switch cover
- T5c – 5-Pin Connector, behind steering column switch cover
- T7a – 7-Pin Connector, behind steering column switch cover
- V – Windshield Wiper Motor
- (C51) – Plus connection (x), in wiper motor wiring harness

97-9838



- J30 – Rear Window Wiper/Washer Relay
 T2k – Double Connector, near right taillight
 T2l – Double Connector, near right firewall
 V12 – Rear Window Wiper Motor
 V59 – Windshield and Rear Window Washer Pump
 Z20 – Left Washer Nozzle Heater
 Z21 – Right Washer Nozzle Heater

* – Different wire routing on vehicles with rear swinging doors

- 60 – Ground connection, near right taillight
 98 – Ground connection, in rear lid wiring harness

