

## Climatronic

## ● 1,8L - Engine - Motronic Multiport Fuel Injection (MFI) / 125kW, code AWM

from October 2000

## ● 2,0L - Engine - Turbo Diesel PD Fuel Injection (DFI) / 100kW, code BHW

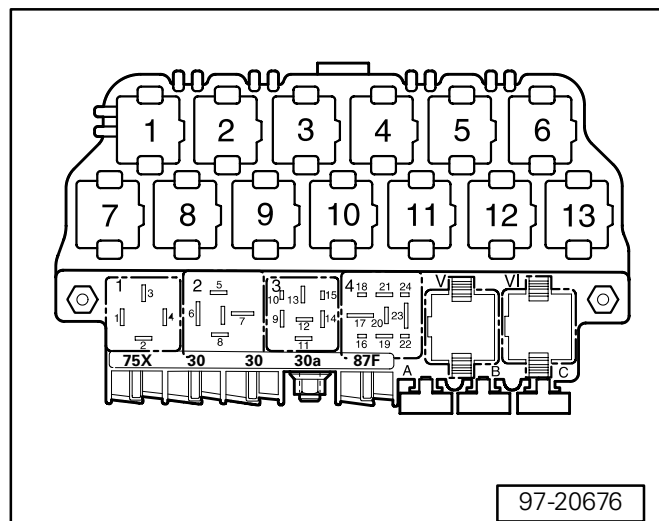
from October 2000

**Additional Fuse, Relay, Control Module and Connector locations ⇒ Component Locations****Troubleshooting Procedures ⇒ Guided Fault Finding using VAS 5051/5052**

Relay location on the thirteen position auxiliary relay panel, above relay panel:

3 - A/C Clutch Relay (267)

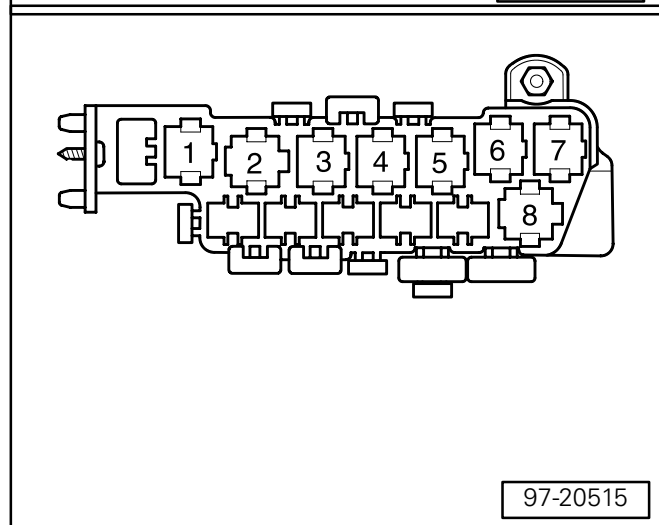
Relay panel:



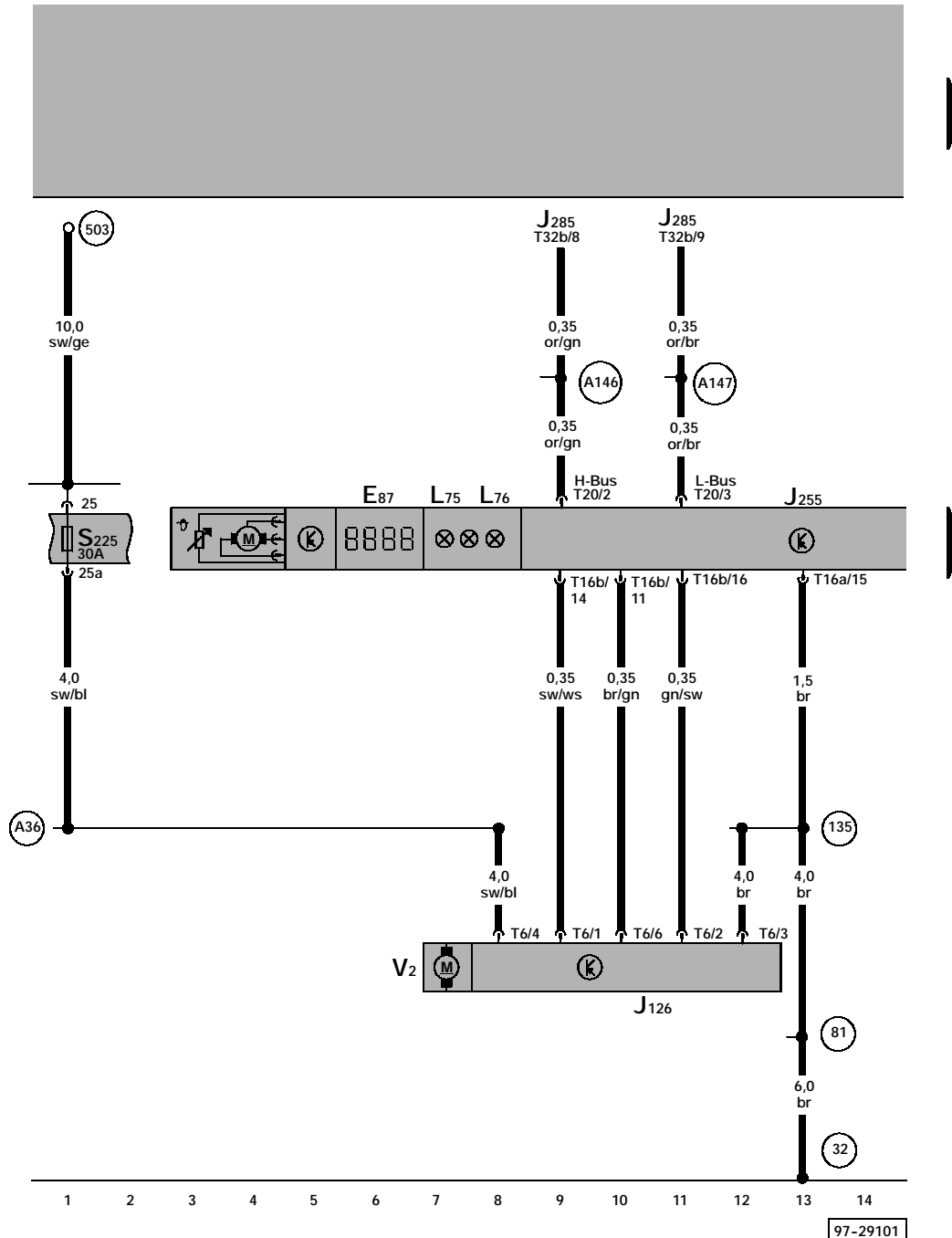
Relay location on the eight position auxiliary relay panel, above relay panel:

2 - Second Speed Coolant Fan Control (FC) Relay (V7)

5 - First Speed Engine Coolant (EC) Fan Control (FC) Relay (V7, V35)



**Climatronic Control Module, Control module for fresh air blower**



- E87 - A/C Control Head
- J126 - Control module for fresh air blower
- J255 - Climatronic Control Module
- J285 - Control module with indicator unit in instrument panel insert
- L75 - Digital Display Light
- L76 - Push Button Light
- S225 - Fuse in fuse holder
- T6 - 6-Pin Connector, on Control module for fresh air blower
- T16a - 16-Pin Connector, black
- T16b - 16-Pin Connector, brown
- T20 - 20-Pin Connector, red
- V2 - Fresh Air Blower

- (32) - Ground connection, behind instrument panel, left
- (81) - Ground connection -1-, in instrument panel wiring harness
- (135) - Ground connection -2-, in instrument panel wiring harness
- (503) - Bolted Connection (75x) (at relay panel)
- (A36) - wire connection (75a), in instrument panel wiring harness
- (A146) - Comfort System High-bus Connection (in instrument panel wiring harness)
- (A147) - Comfort System Low-bus Connection (in instrument panel wiring harness)

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

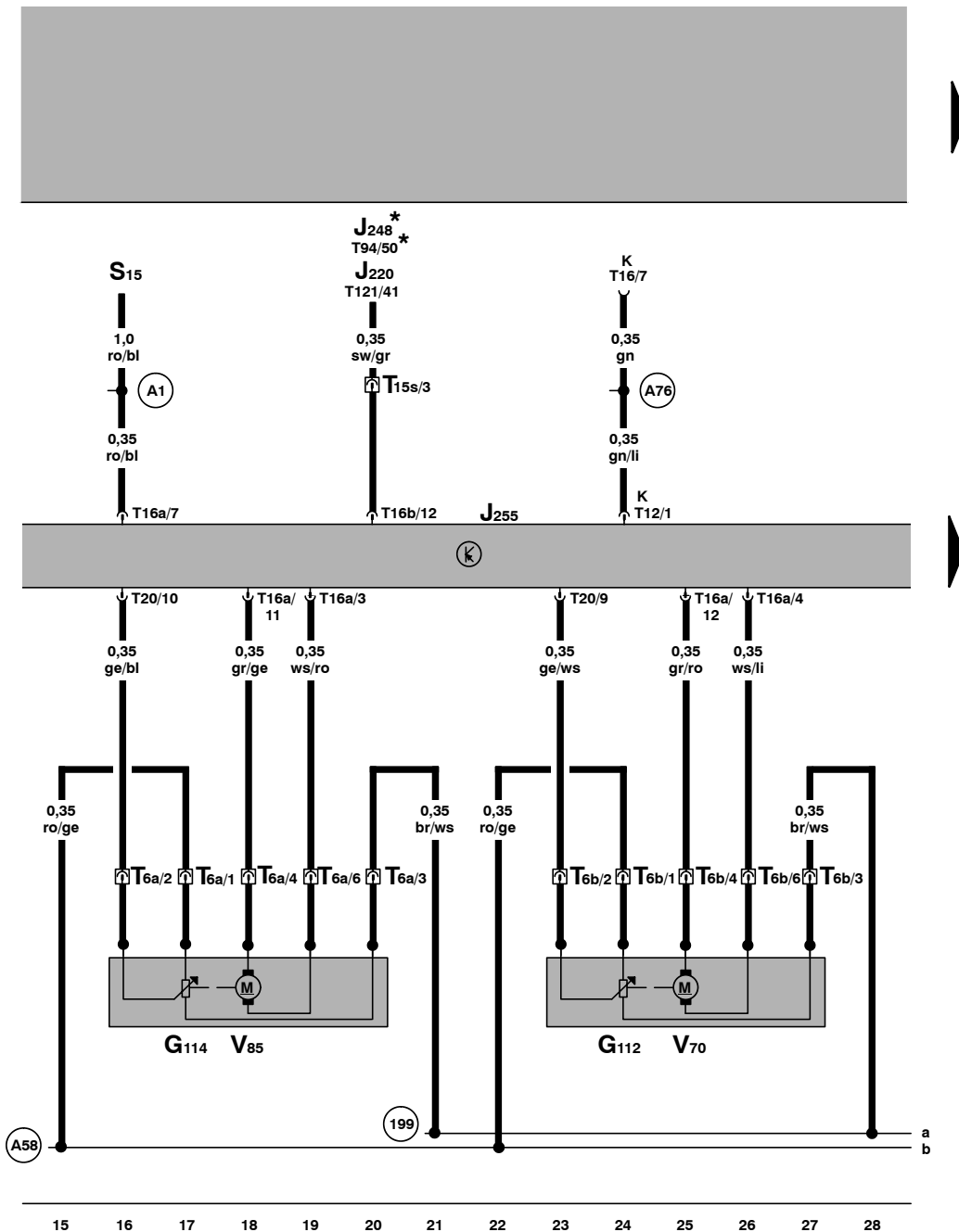
**Climatronic Control Module, Central Air and Footwell/Defrost Flap Motors**

- G112 - Central Flap Motor Position Sensor
- G114 - Footwell/Defrost Flap Motor Position Sensor
- J220 - Motronic Engine Control Module (ECM)
- J248 - Diesel Direct Fuel Injection (DFI) Engine Control Module (ECM)
- J255 - Climatronic Control Module
- S15 - Fuse
- T6a - 6-Pin Connector, behind instrument panel, center
- T6b - 6-Pin Connector, behind instrument panel, center
- T12 - 12-Pin Connector
- T15s - 15-Pin Connector, red, on protective housing for control module, in engine compartment, left
- T16 - 16-Pin Connector, Data Link Connector (DLC), below instrument panel, left
- T16a - 16-Pin Connector, black
- T16b - 16-Pin Connector, brown
- T20 - 20-Pin Connector, red
- T94 - 94-Pin Connector
- T121 - Connector, 121 point, on Motronic Engine Control Module (ECM)
- V70 - Central Air Flap Motor
- V85 - Footwell/Defroster Flap Motor

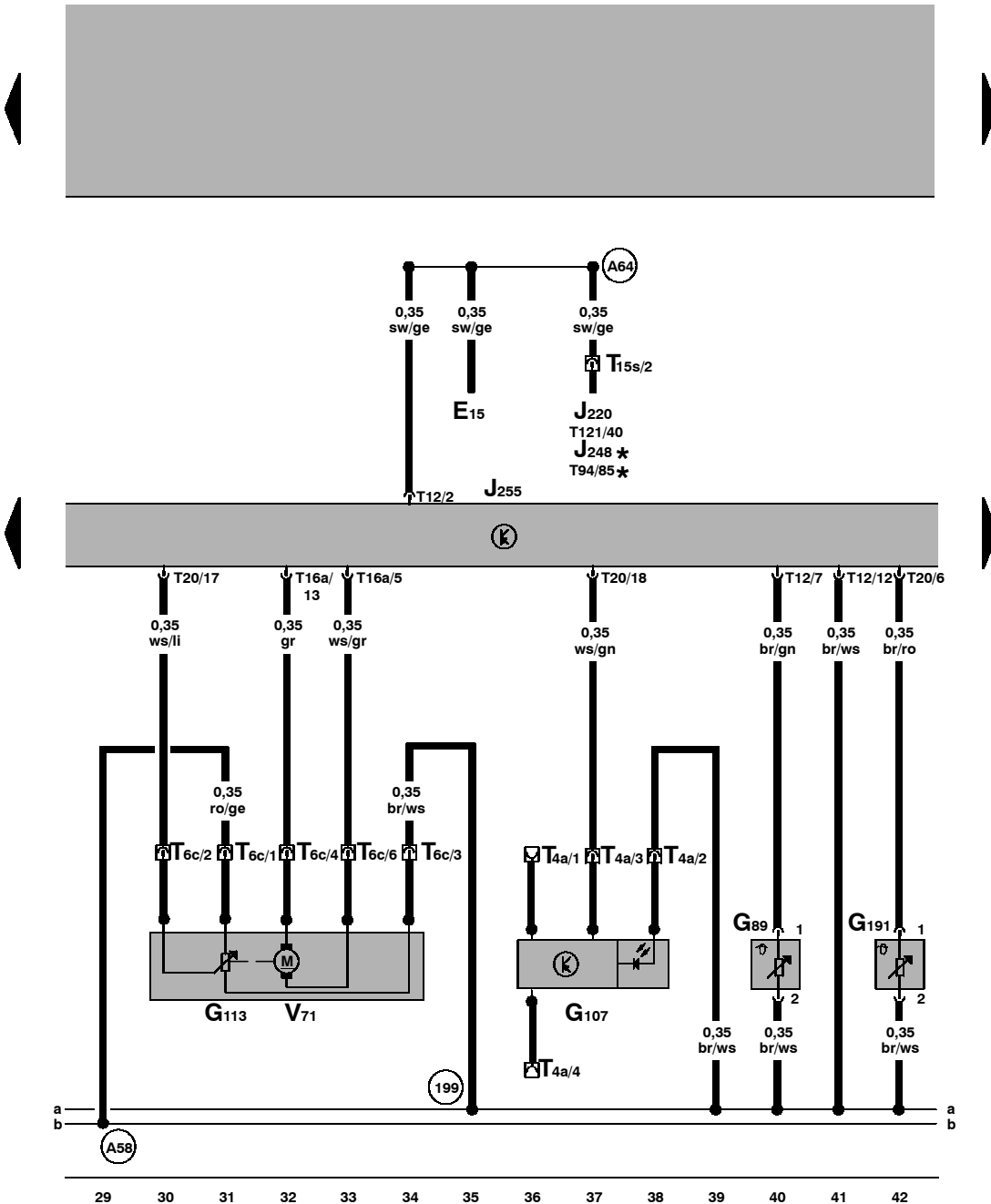
- (199) - Ground connection -3-, in instrument panel wiring harness
- (A1) - plus connection (30a), in instrument panel wiring harness
- (A58) - Wire connection (5 V), in instrument cluster wiring harness
- (A76) - Connector (K-diagnosis wire), in instrument panel wiring harness

\* - engine code BHW only

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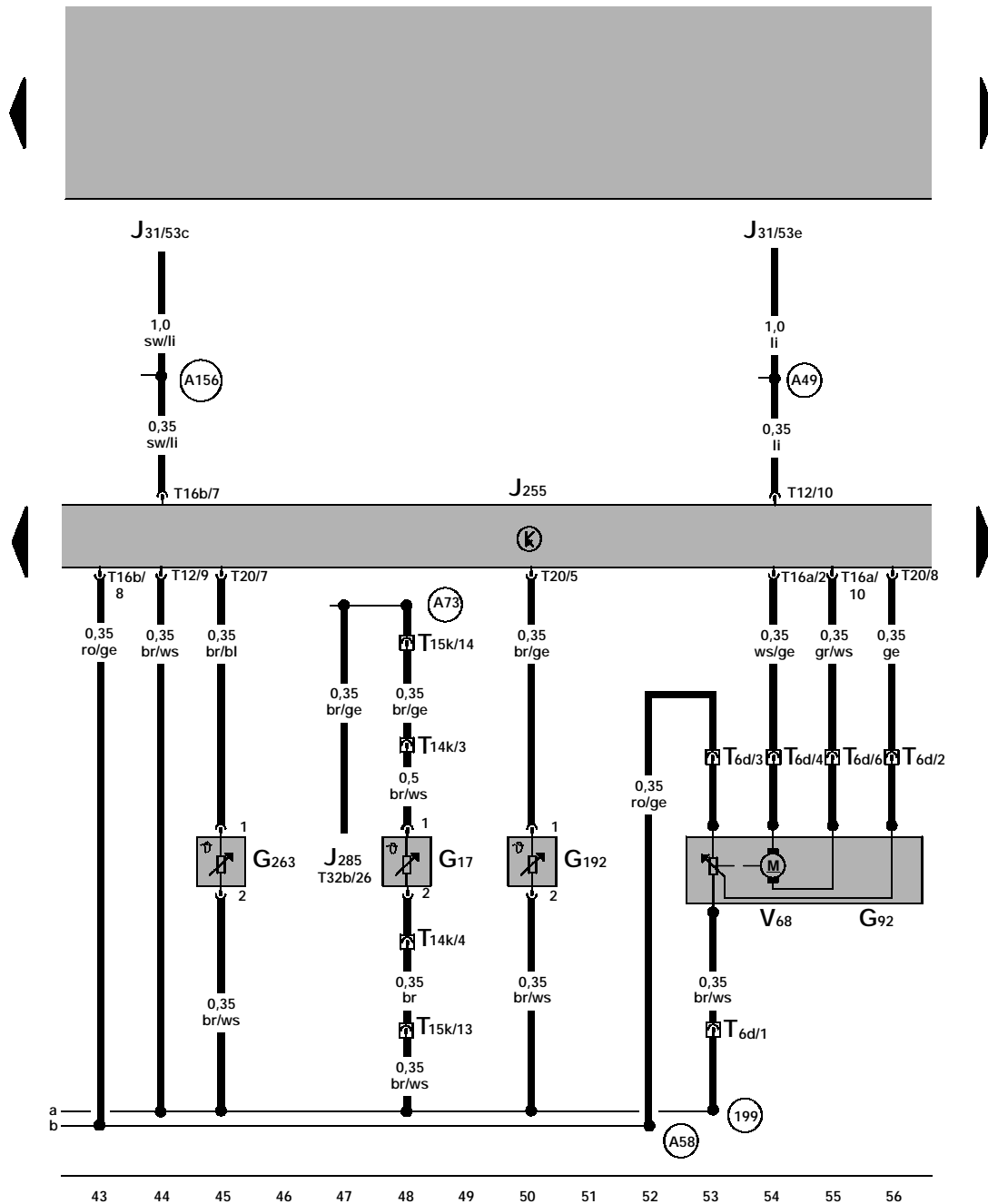


**Climatronic Control Module, Air Flow Flap Motor, Fresh Air intake Duct Temperature Sensor, Sunlight Photo Sensor, sender for outlet temperature sensor, center**



- E15 - Rear window defogger switch
- G89 - Fresh Air Intake Duct Temperature Sensor
- G107 - Sunlight Photo Sensor
- G113 - Back Pressure Flap Motor Position Sensor
- G191 - Sender for outlet temperature, center
- J220 - Motronic Engine Control Module (ECM)
- J248 - Diesel Direct Fuel Injection (DFI) Engine Control Module (ECM)
- J255 - Climatronic Control Module
- T4a - 4-Pin Connector, black
- T6c - 6-Pin Connector, black
- T15s - 15-Pin Connector, red, on protective housing for control module, in engine compartment, left
- T12 - 12-Pin Connector, black
- T16a - 16-Pin Connector, black
- T20 - 20-Pin Connector, red
- T94 - 94-Pin Connector
- T121 - Connector, 121 point, on Motronic Engine Control Module (ECM)
- V71 - Air Flow Flap Motor
- (199) - Ground connection -3-, in instrument panel wiring harness
- (A58) - Wire connection (5 V), in instrument cluster wiring harness
- (A64) - Connector (30, idle boost), in instrument panel wiring harness
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**Climatron Control Module, Outside Air Temperature Sensor, Sender for outlet temperature, floor outlet**

- G17 - Outside Air Temperature Sensor
- G92 - Temperature Regulator Flap Motor Position Sensor
- G192 - Sender for outlet temperature, floor outlet
- G263 - Evaporator Vent Temperature Sensor
- J31 - Wiper/Washer Intermittent Relay
- J255 - Climatron Control Module
- J285 - Control module with indicator unit in instrument panel insert
- T6d - 6-Pin Connector
- T12 - 12-Pin Connector, black
- T14k - 14-Pin Connector, black
- T15k - 15-Pin Connector
- T16a - 16-Pin Connector, black
- T16b - 16-Pin Connector, brown
- T20 - 20-Pin Connector, red
- T32b - 32-Pin Connector, green, on instrument cluster
- V68 - Temperature Regulator Flap Motor

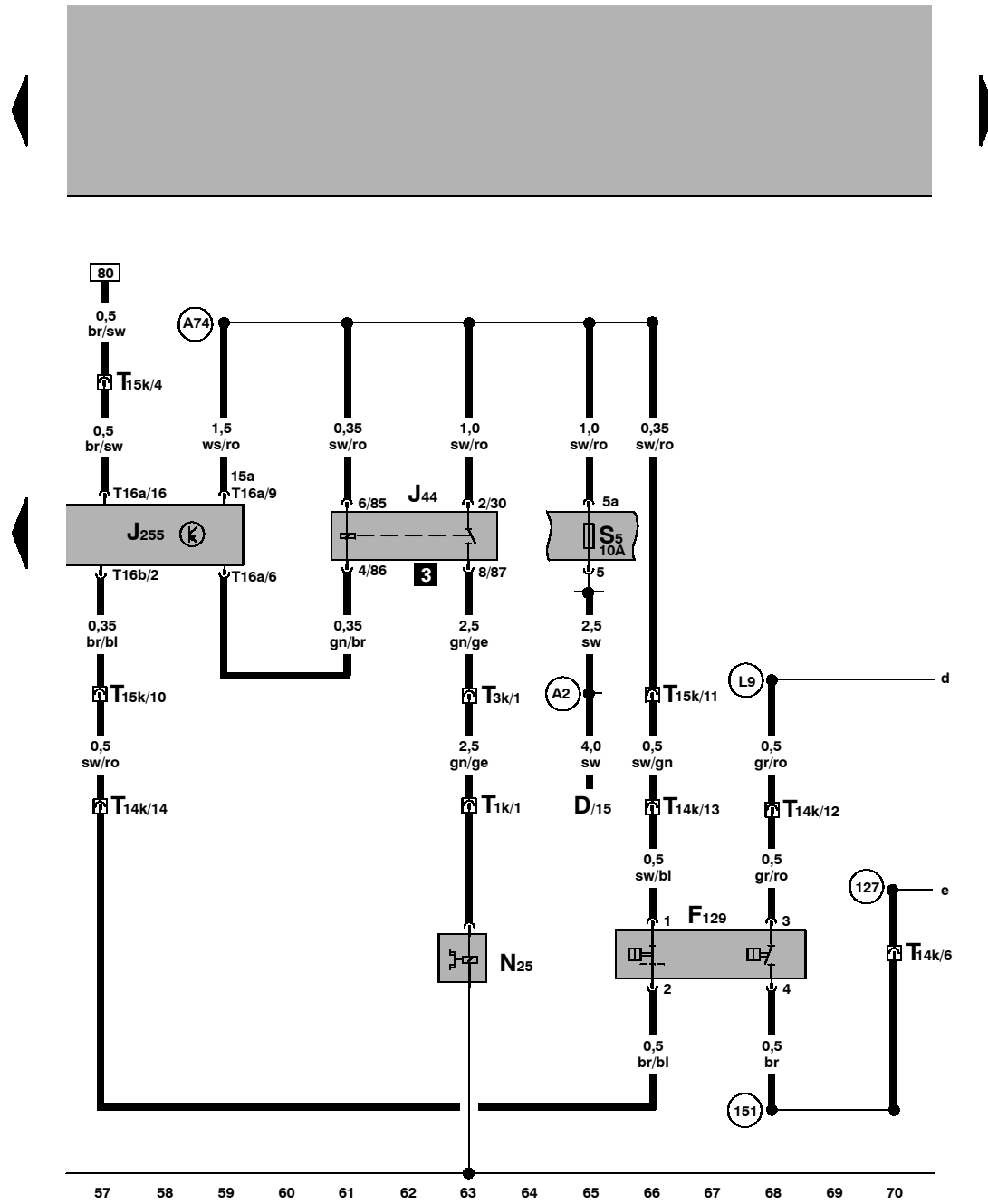
- (199) - Ground connection -3-, in instrument panel wiring harness
- (A49) - wire connection -1-, in instrument panel wiring harness
- (A58) - Wire connection (5 V), in instrument cluster wiring harness
- (A73) - Connector (outside temperature indicator), in instrument panel wiring harness
- (A156) - Sensor Ground Connection (in engine wiring harness)

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**Climatronic Control Module, A/C Clutch, A/C Clutch Relay, A/C Pressure Switch**

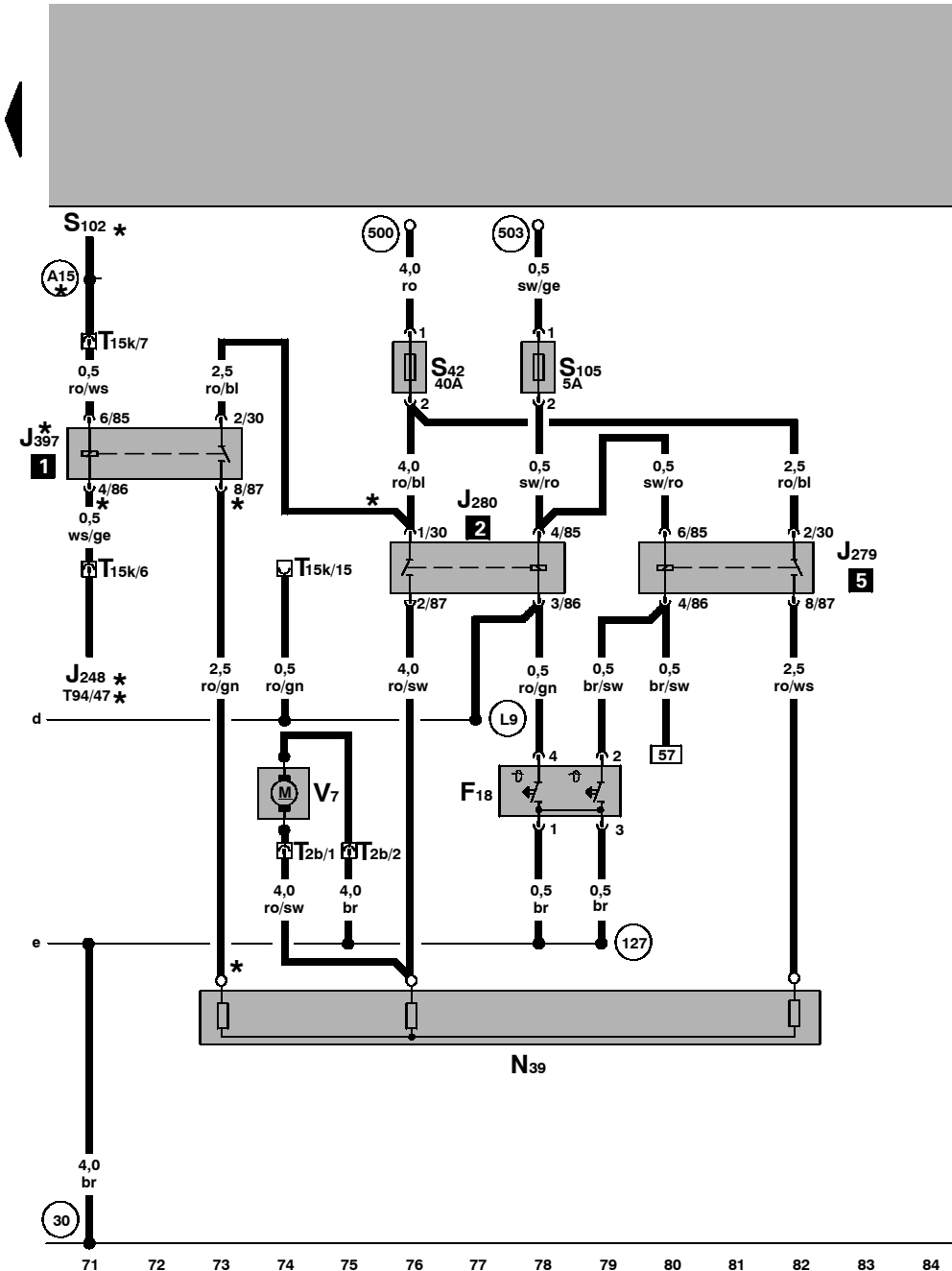
- D - Ignition/Starter Switch
- F129 - A/C Pressure Switch
- J44 - A/C Clutch Relay
- J255 - Climatronic Control Module
- N25 - A/C Clutch
- S5 - Fuse
- T1k - Single Connector, green
- T3k - 3-Pin Connector
- T14k - 14-Pin Connector, black
- T15k - 15-Pin Connector
- T16a - 16-Pin Connector, black
- T16b - 16-Pin Connector, brown

- (127) - Ground connection -1-, in A/C compressor wiring harness
- (151) - Ground connection -1-, in front wiring harness
- (A2) - plus connection (15), in instrument panel wiring harness
- (A74) - Connector (15a - fuse 5) in instrument panel wiring harness
- (L9) - wire connection -1-, in A/C wiring harness



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**Coolant Fan Control (FC) Thermal Switch, First Speed Engine Coolant (EC) Fan Control Relay, Second Speed Coolant Fan Control Relay**



- F18 - Coolant Fan Control (FC) Thermal Switch
- J248 - Diesel Direct Fuel Injection (DFI) Engine Control Module (ECM)
- J279 - First Speed Engine Coolant (EC) Fan Control (FC) Relay (V7, V35)
- J280 - Second Speed Coolant Fan Control (FC) Relay (V7)
- J397 - Relay for Radiator Fan Afterrun
- N39 - Coolant Fan Control (FC) Series Resistance
- S42 - Coolant Fan Fuse
- S102 - Engine Control Module (ECM) Fuse
- S105 - First Speed Coolant Fan Fuse
- T2b - Double Connector
- T15k - 15-Pin Connector
- T94 - 94-Pin Connector
- V7 - Coolant Fan

- (30) - Ground connection, -1-, beside fuse/relay panel
- (127) - Ground connection -1-, in A/C compressor wiring harness
- (500) - Threaded connection -1- (30) on the relay plate
- (503) - Bolted Connection (75x) (at relay panel)
- (A15) - plus connection (15) in instrument panel wiring harness
- (L9) - wire connection -1-, in A/C wiring harness

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