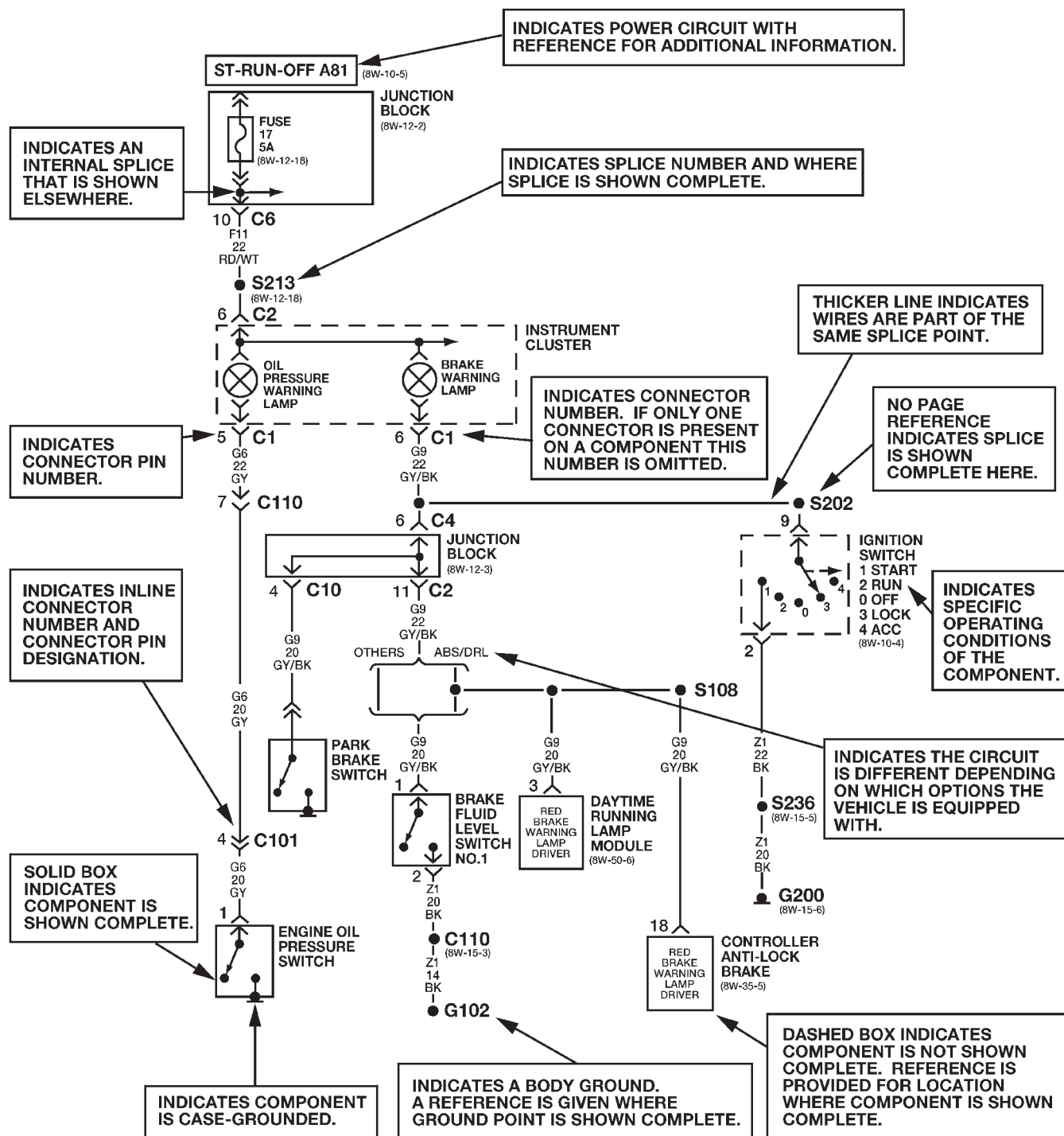


WIRING DIAGRAMS

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AIR CONDITIONING-HEATER	8W-42-1	HORN/CIGAR LIGHTER	8W-41-1
AIRBAG SYSTEM	8W-43-1	INSTRUMENT CLUSTER	8W-40-1
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GENERAL INFORMATION	8W-01-1	WIPERS	8W-53-1
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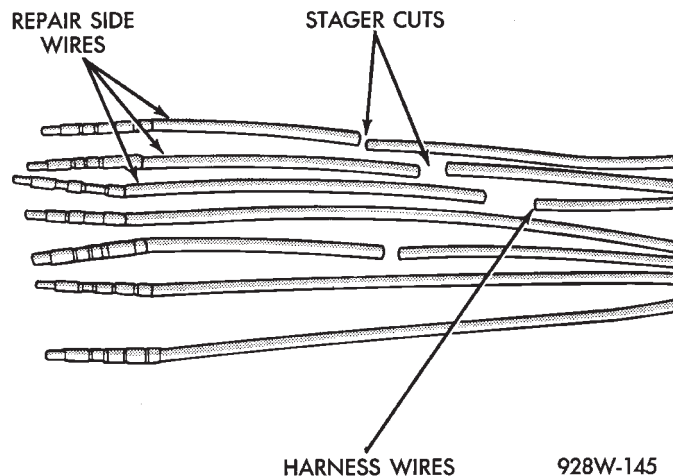
DESCRIPTION AND OPERATION (Continued)



SERVICE PROCEDURES (Continued)

CONNECTOR AND TERMINAL REPLACEMENT

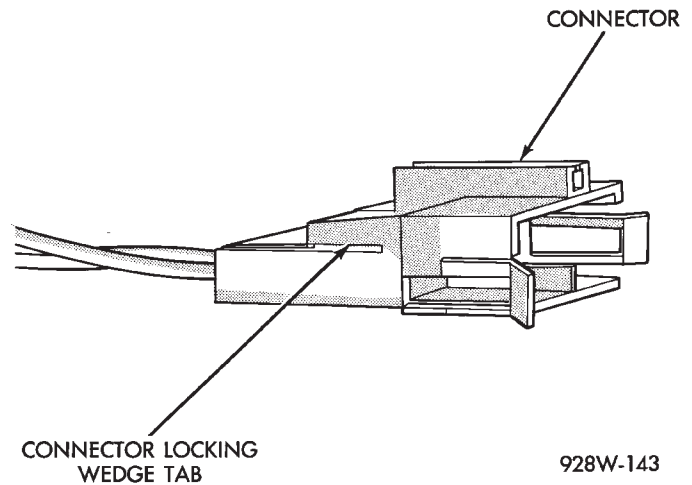
- (1) Disconnect battery.
- (2) Disconnect the connector (that is to be repaired) from its mating half/component.
- (3) Cut off the existing wire connector directly behind the insulator. Remove six inches of tape from the harness.
- (4) Stagger cut all wires on the harness side at 1/2 inch intervals (Fig. 18).
- (5) Remove 1 inch of insulation from each wire on the harness side.
- (6) Stagger cut the matching wires on the repair connector assembly in the opposite order as was done on the harness side of the repair. Allow extra length for soldered connections. Check that the overall length is the same as the original (Fig. 18).

**Fig. 18 Stagger Cutting Wires**

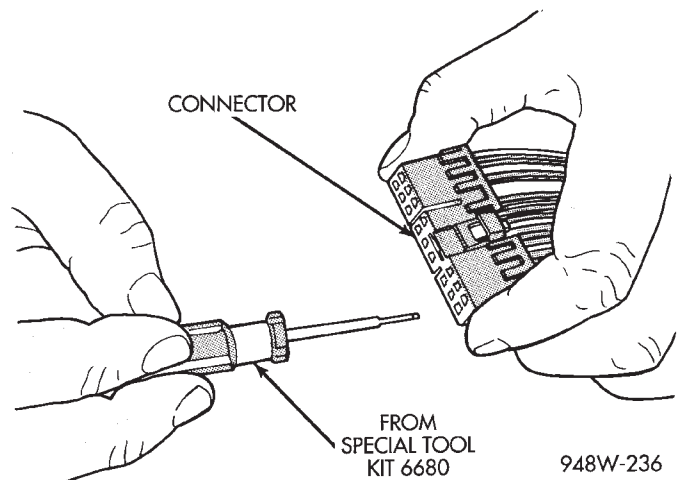
- (7) Remove 1 inch of insulation from each wire.
- (8) Place a piece of heat shrink tubing over one side of the wire. Be sure the tubing will be long enough to cover and seal the entire repair area.
- (9) Spread the strands of the wire apart on each part of the exposed wires.
- (10) Push the two ends of wire together until the strands of wire are close to the insulation.
- (11) Twist the wires together.
- (12) Solder the connection together using rosin core type solder only. **Do not use acid core solder.**
- (13) Center the heat shrink tubing over the joint and heat using a heat gun. Heat the joint until the tubing is tightly sealed and sealant comes out of both ends of the tubing.
- (14) Repeat steps 8 through 13 for each wire.
- (15) Re-tape the wire harness starting 1-1/2 inches behind the connector and 2 inches past the repair.
- (16) Re-connect the repaired connector.
- (17) Connect the battery, and test all affected systems.

TERMINAL REPLACEMENT

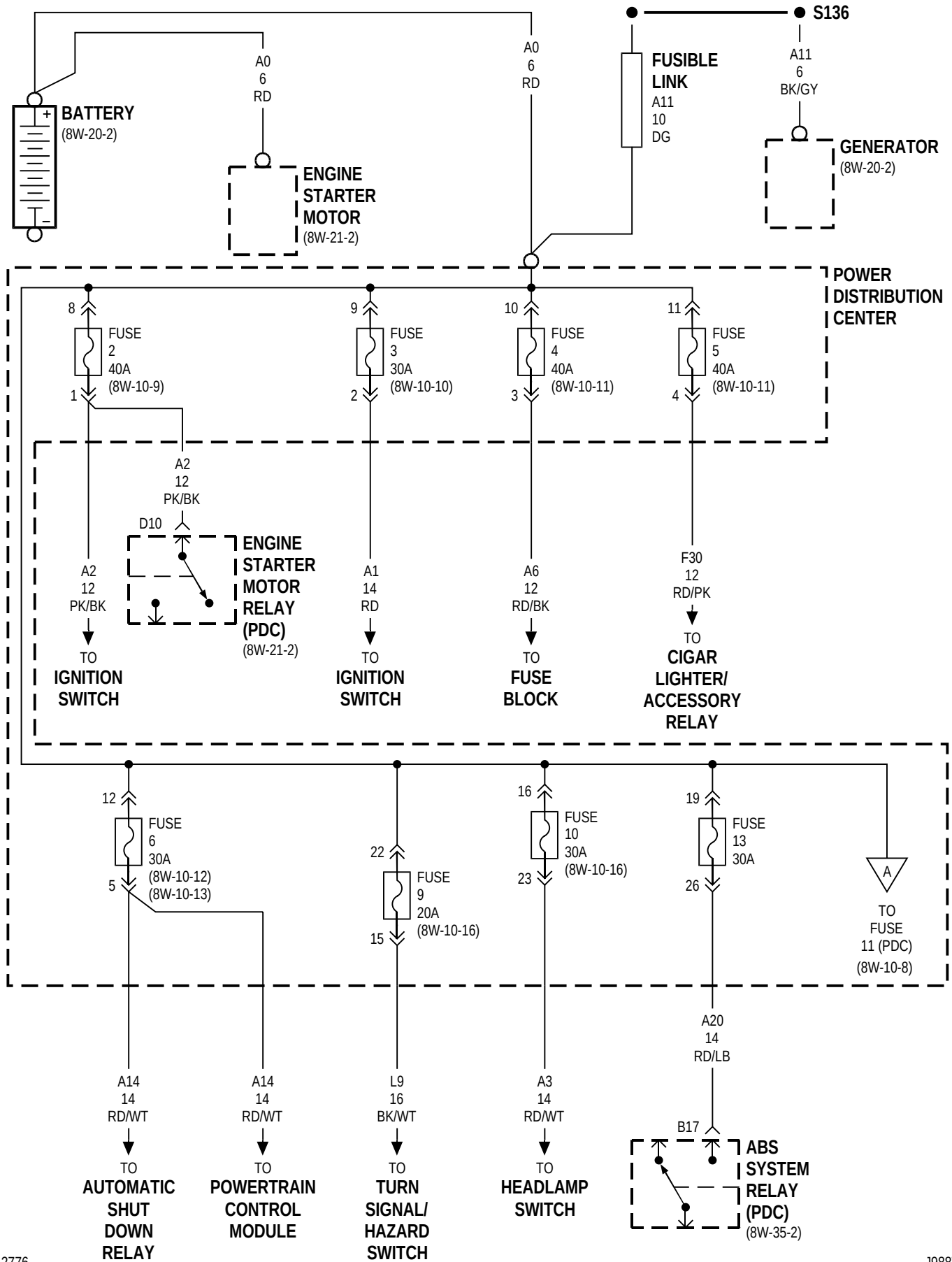
- (1) Disconnect battery.
- (2) Disconnect the connector being repaired from its mating half. Remove connector locking wedge, if required (Fig. 19).
- (3) Remove connector locking wedge, if required (Fig. 19).

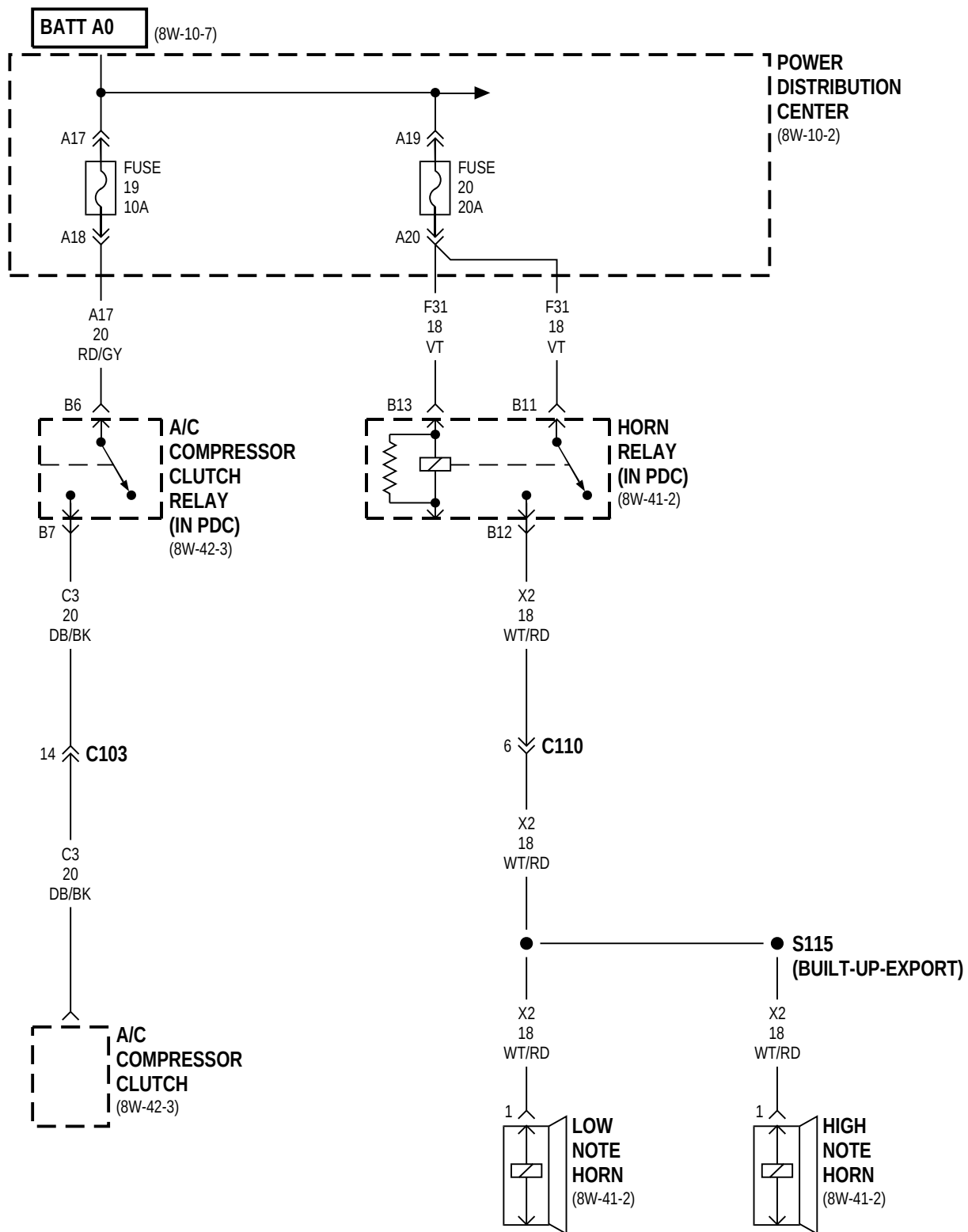
**Fig. 19 Connector Locking Wedge Tab (Typical)**

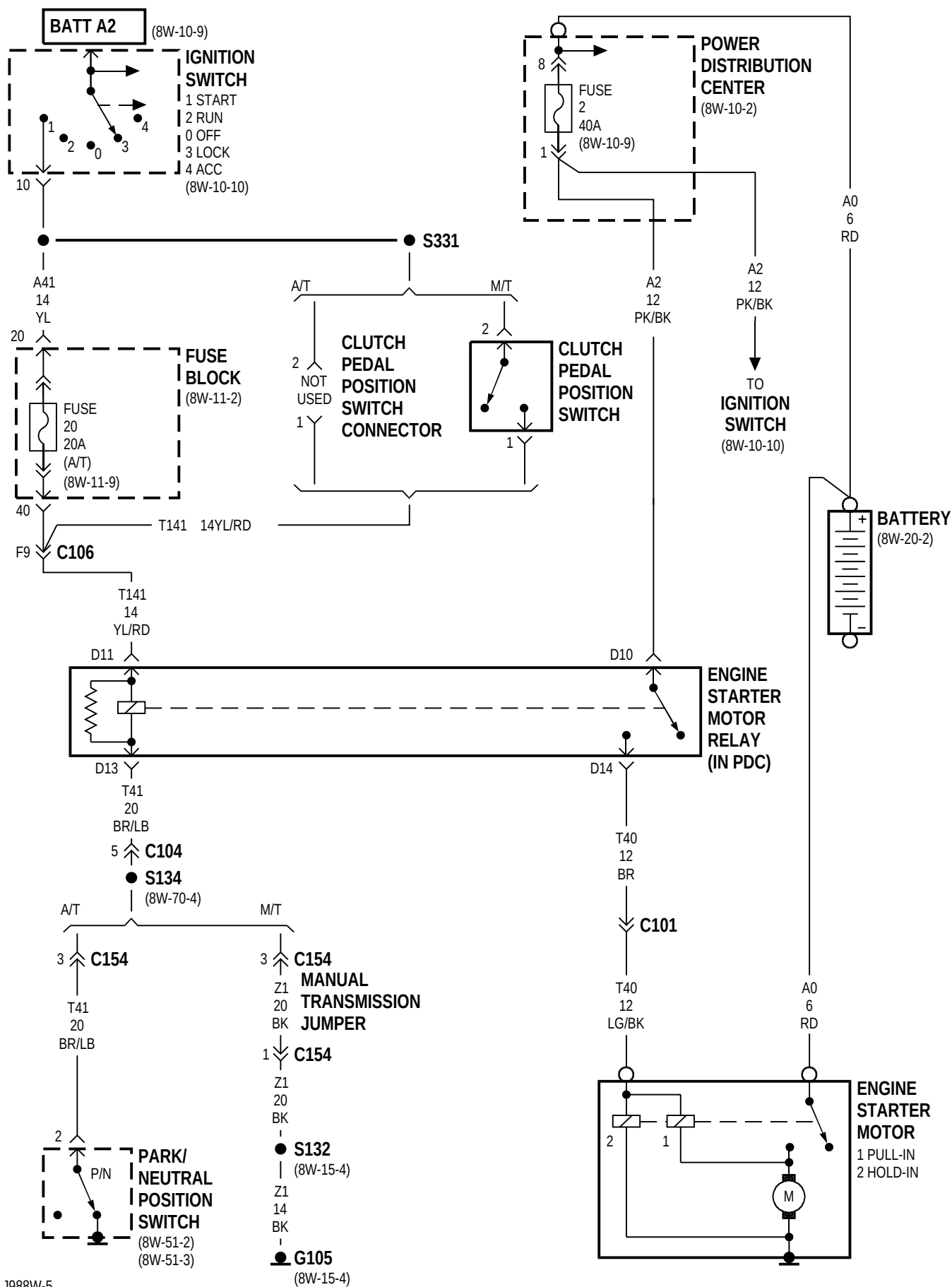
- (4) Position the connector locking finger away from the terminal using the proper pick from special tool kit 6680. Pull on the wire to remove the terminal from the connector (Fig. 20) (Fig. 21).

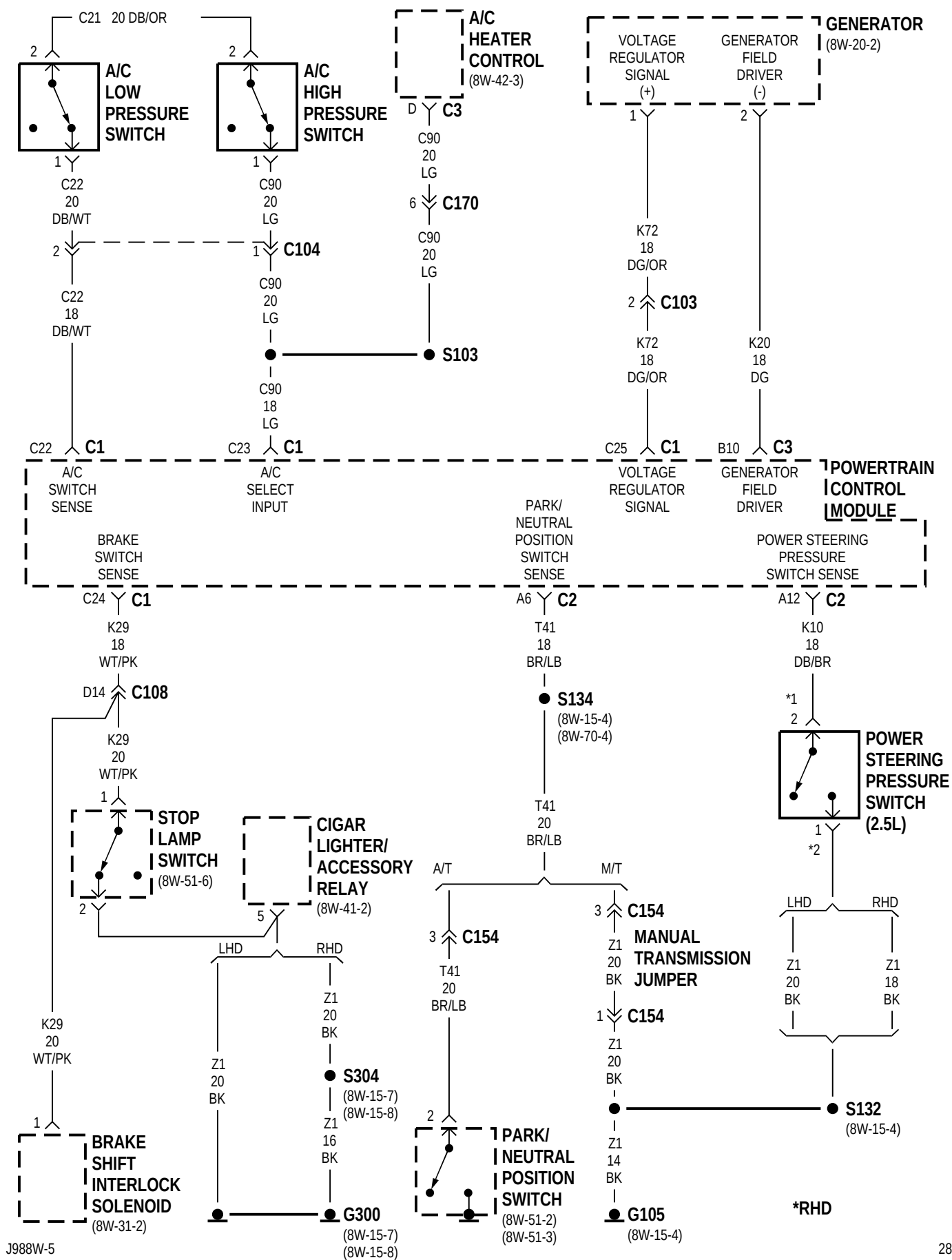
**Fig. 20 Terminal Removal**

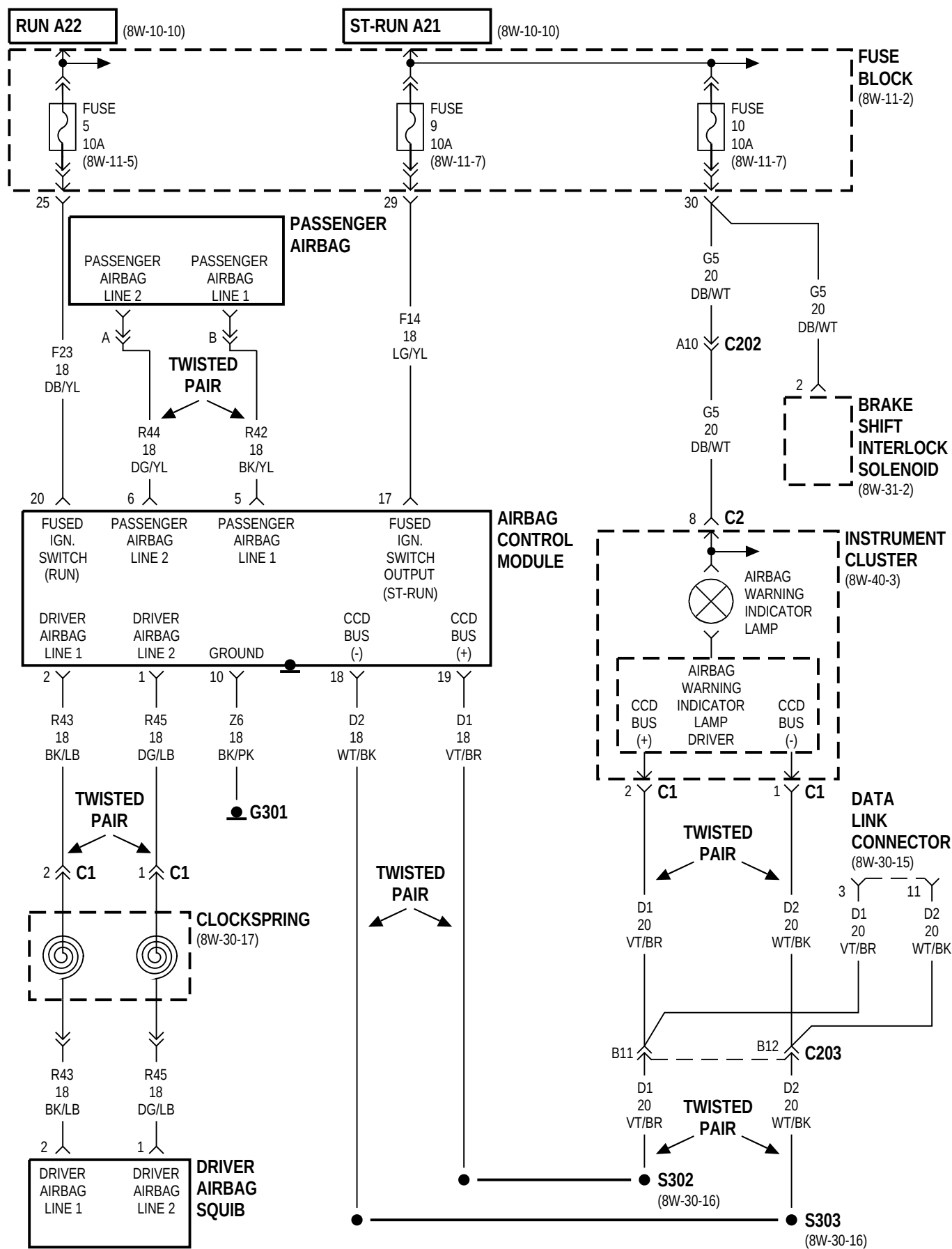
- (5) Cut the wire 6 inches from the back of the connector.
- (6) Remove 1 inch of insulation from the wire on the harness side.
- (7) Select a wire from the terminal repair assembly that best matches the color wire being repaired.
- (8) Cut the repair wire to the proper length and remove 1 inch of insulation.

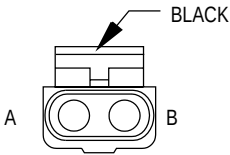






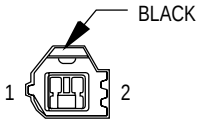






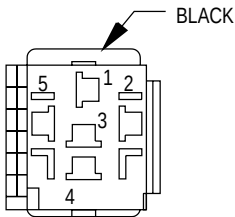
BACK-UP
LAMP SWITCH

CAV	CIRCUIT	FUNCTION
A	L1 18VT/BK	BACK-UP LAMP FEED
B	F20 18VT/WT	FUSED IGNITION SWITCH OUTPUT (RUN)



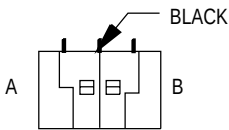
BATTERY
TEMPERATURE
SENSOR

CAV	CIRCUIT	FUNCTION
1	K118 18PK/YL	BATTERY TEMPERATURE SENSOR SIGNAL
2	K167 20BR/YL	SENSOR RETURN
2	K167 18BR/YL*	SENSOR RETURN



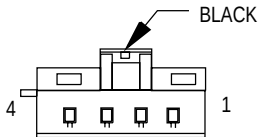
BLOWER MOTOR
RELAY

CAV	CIRCUIT	FUNCTION
1	C1 12DG	BLOWER MOTOR FEED
2	Z1 14BK	GROUND
3	C111 14DG/YL	BLOWER RELAY FEED
4	A111 12RD/LB	FUSED B(+)
5	C7 16BR/TN	HIGH SPEED BLOWER MOTOR



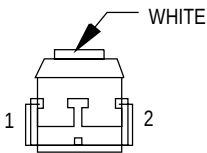
BLOWER MOTOR/
RESISTOR BLOCK - C1

CAV	CIRCUIT	FUNCTION
A	C1 12DG	BLOWER MOTOR FEED
B	Z1 12BK	GROUND



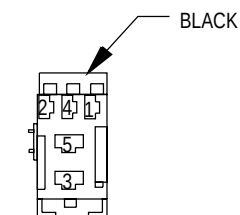
BLOWER MOTOR/
RESISTOR BLOCK - C2

CAV	CIRCUIT	FUNCTION
1	C4 14TN	LOW SPEED BLOWER MOTOR
2	C5 14LG/LB	M1 SPEED BLOWER MOTOR
3	C6 14LB	M2 SPEED BLOWER MOTOR
4	C111 14DG/YL	BLOWER RELAY FEED



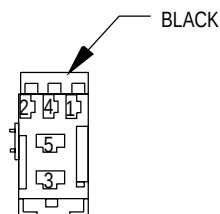
BRAKE SHIFT
INTERLOCK
SOLENOID

CAV	CIRCUIT	FUNCTION
1	K29 20WT/PK	BRAKE SWITCH SENSE
2	G5 20DB/WT	FUSED IGNITION SWITCH OUTPUT (ST-RUN)



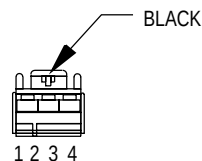
FOG LAMP
RELAY NO. 1

CAV	CIRCUIT	FUNCTION
1	L35 18BR/WT	FOG LAMP SWITCH OUTPUT
2	Z1 20BK	GROUND
3	F61 18WT/OR	FUSED B(+)
4	-	-
5	L39 18LB	FOG LAMP RELAY OUTPUT



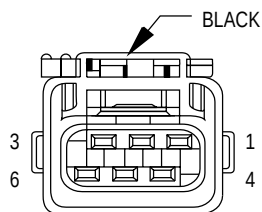
FOG LAMP
RELAY NO. 2

CAV	CIRCUIT	FUNCTION
1	G34 16RD/GY	HIGH BEAM INDICATOR DRIVER
2	Z1 20BK	GROUND
	Z1 20BK	GROUND
3	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
4	L95 18DG/YL	FOG LAMP RELAY OUTPUT
5	-	-



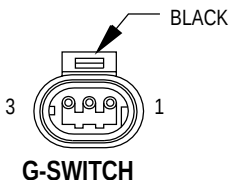
FRONT FOG
LAMP SWITCH

CAV	CIRCUIT	FUNCTION
1	E2 20OR	PANEL LAMP FEED
2	L35 18BR/WT	FOG LAMP SWITCH OUTPUT
3	L95 18DG/YL	FOG LAMP RELAY NO. 2 OUTPUT
4	Z1 20BK	GROUND



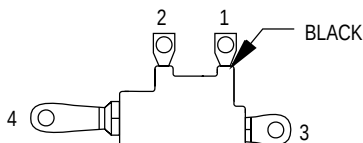
FUEL PUMP
MODULE

CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	FUEL PUMP RELAY OUTPUT
2	-	-
3	K226 20DB/LG	FUEL LEVEL SENSOR SIGNAL
4	K167 20BR/YL	SENSOR RETURN
5	-	-
6	Z1 18BK	GROUND



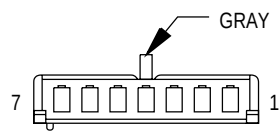
G-SWITCH

CAV	CIRCUIT	FUNCTION
1	B43 20PK/OR	G-SWITCH TEST SIGNAL
2	B41 20YL/VT	G-SWITCH NO.1 SENSE
3	B42 20TN/WT	G-SWITCH NO.2 SENSE



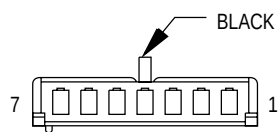
GENERATOR

CAV	CIRCUIT	FUNCTION
1	K72 18DG/OR	VOLTAGE REGULATOR SIGNAL
2	K20 18DG	GENERATOR FIELD DRIVER
3	-	-
4	Z0 6BK	GROUND



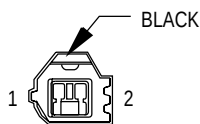
RADIO - C1

CAV	CIRCUIT	FUNCTION
1	-	-
2	X55 18BR/RD	LEFT FRONT SPEAKER(-)
3	X56 18DB	RIGHT FRONT SPEAKER(-)
4	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
5	E2 20OR	FUSED PANEL LAMP DIMMER SWITCH SIGNAL
6	X12 20PK	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
7	M1 20PK/WT	FUSED B(+)



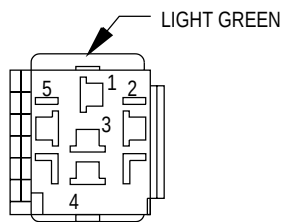
RADIO - C2

CAV	CIRCUIT	FUNCTION
1	-	-
2	X51 18BR/YL	LEFT REAR SPEAKER(+)
3	X52 18DB/WT	RIGHT REAR SPEAKER(+)
4	X53 18DG	LEFT FRONT SPEAKER(+)
5	X54 18VT	RIGHT FRONT SPEAKER(+)
6	X57 18BR/LB	LEFT REAR SPEAKER(-)
7	X58 18DB/PK	RIGHT REAR SPEAKER(-)



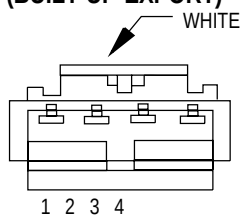
REAR FOG LAMP
(BUILT-UP-EXPORT)

CAV	CIRCUIT	FUNCTION
1	L38 18BR/WT	REAR FOG LAMP FEED -
2	Z1 20BK	GROUND



REAR FOG
LAMP RELAY
(BUILT-UP-EXPORT)

CAV	CIRCUIT	FUNCTION
1	L22 20LG/DG	HEADLAMP POWER TO MULTI SWITCH
2	L95 18DG/YL	FOG LAMP SWITCH TO RELAY
3	Z1 20BK	GROUND
4	L38 20BR/WT	REAR FOG LAMP FEED
	L38 20BR/WT*	REAR FOG LAMP FEED
5	L22 20LG/DG	HEADLAMP POWER TO MULTI SWITCH



REAR FOG
LAMP SWITCH
(BUILT-UP-EXPORT)

CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	L95 18DG/YL	REAR FOG LAMP CONTROL
3	L38 18BR/WT	REAR FOG LAMP FEED
4	E2 20OR	FUSED PANEL LAMPS DIMMER SWITCH SIGNAL

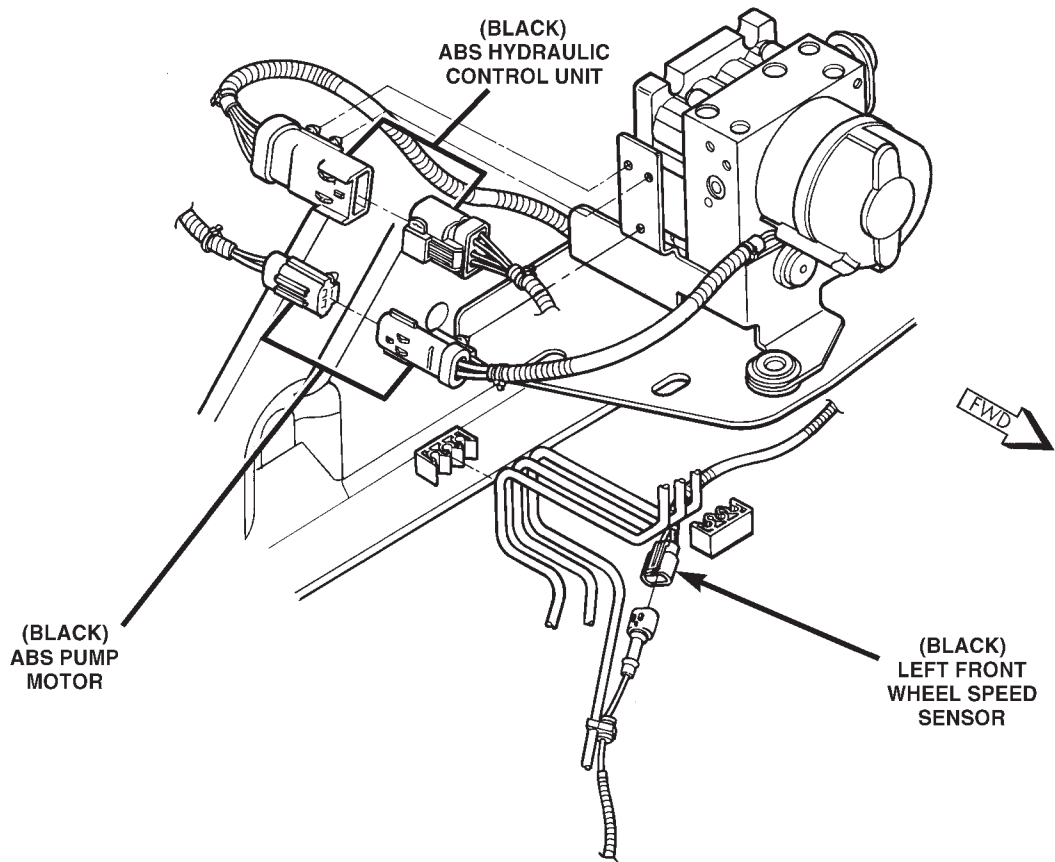
* RHD
J988W-5

DESCRIPTION AND OPERATION (Continued)

Connector Name/Number	Color	Location	Fig.
Center High Mounted Stop Lamp (CHMSL)		Near Right Rear Lamp Assembly	19
Cigar Lighter/Accessory Relay	BK	Bottom of Instrument Panel Near Steering Column	18
Cigar Lighter/Power Outlet	BK	Rear of Cigar Lighter	14
Clockspring C1	BK	Rear of Clockspring	16
Clockspring C2	NAT	Rear of Clockspring	16
Clutch Pedal Position Switch	BK	Top of Clutch Pedal Bracket	13
Combination Flasher	BK	Bottom of Instrument Panel Near Steering Column	13
Controller Anti-Lock Brake-C1	GY	Top Left of Dash Panel	2,15
Controller Anti-Lock Brake-C2	GY	Top Left of Dash Panel	2,15
Crankshaft Position Sensor	BK	At Rear of Intake Manifold	11
Data Link Connector	BK	Bottom of Instrument Panel Near Steering Column	14
Daytime Running Lamp Module	BK	Left Side of Dash Panel	3
Dome Lamp		At Dome Lamp	N/S
Downstream Heated Oxygen Sensor	BK	Rear of Catalytic Converter	12
Driver Airbag	YL	Rear of Airbag	16
Duty Cycle Evap/Purge solenoid	BK	Left Fender Side Shield	4
Engine Coolant Temperature Sensor	BK	On Thermostat Housing	7, 8

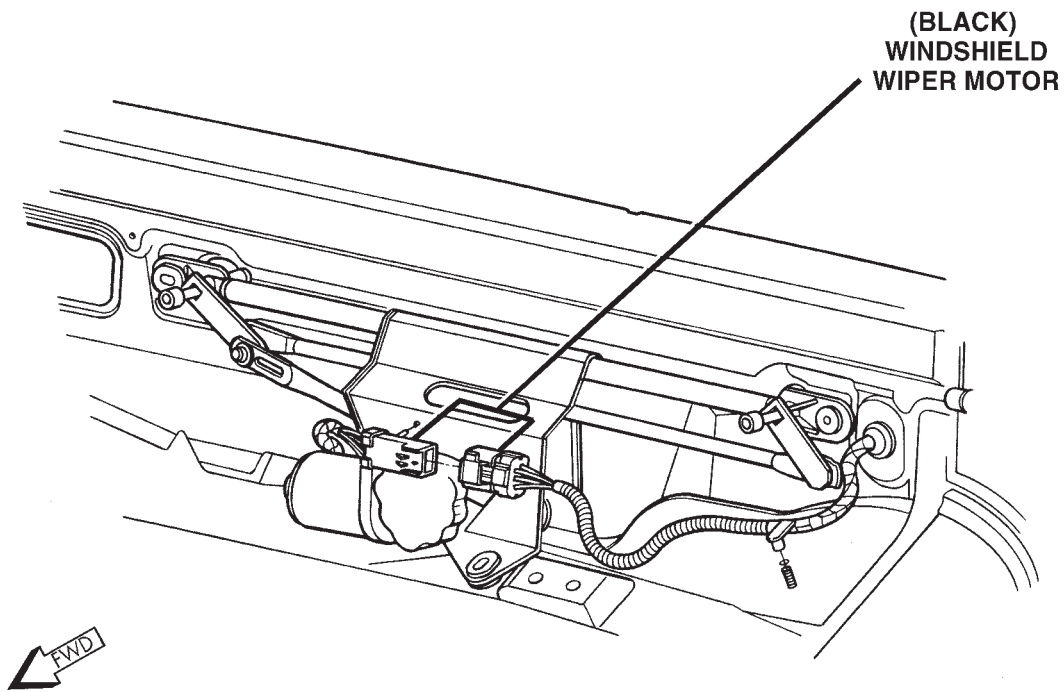
Connector Name/Number	Color	Location	Fig.
Engine Oil Pressure Sensor	BK	Right Side of Engine Block	9
Engine Starter Motor		Right Side of Engine	10
EVAP Leak Detection Pump	BK	Near EVAP Canister	N/S
Fog Lamp Relay #1	BK	Bottom Right of Instrument Panel	13
Fog Lamp Relay #2		Bottom Right of Instrument Panel	13
Fog Lamp Switch	BK	Rear of Fog Lamp Switch	14
Fuel Pump Module	BK	Above Fuel Tank	1
Fuse Block		Right Side of Instrument Panel	13
G100		Left Side of Dash Panel	2
G101		Center of Dash Panel	2
G102		Left Radiator Closure Panel	4
G103		Right Radiator Closure Panel	1
G104		Rear of Generator	10
G105		Right Rear of Engine Block	10
G106		Right Rear of Engine Block	10
G107		Right Rear of Engine Block	10
G200		Left Rear of Instrument Panel	14
G201		Left Rear of Instrument Panel	17
G202		Right Rear of Instrument Panel	17
G300		Left Kick Panel	13

DESCRIPTION AND OPERATION (Continued)



80b2b6b0

Fig. 5 ABS Hydraulic Control Unit — LHD



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Fig. 6 Windshield Wiper Motor — LHD

DESCRIPTION AND OPERATION (Continued)

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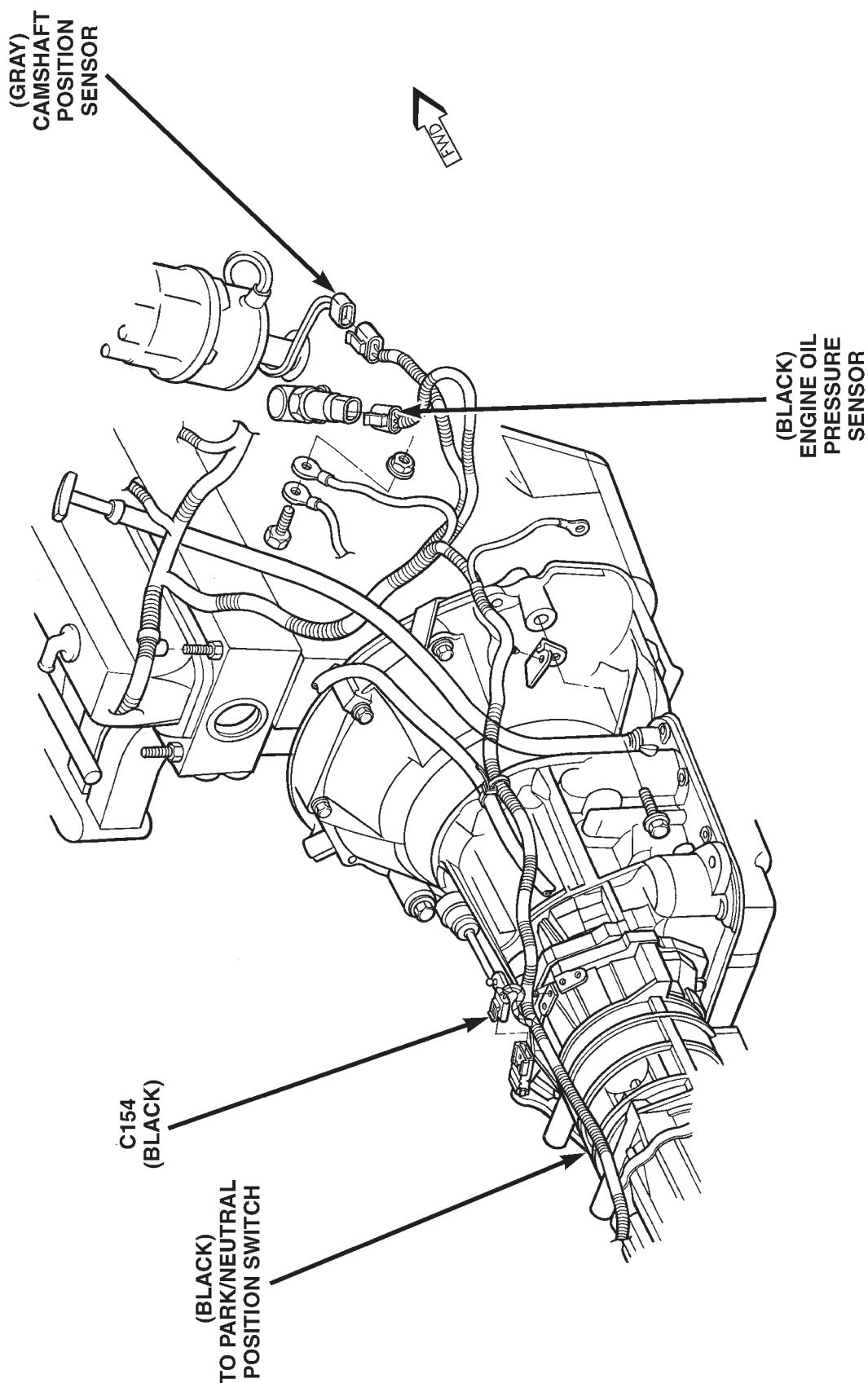


Fig. 7 Engine and Automatic Transmission Connectors — RHD