

WIRING

TABLE OF CONTENTS

	page		page
AIRBAG SYSTEM	8W-43-1	OVERHEAD CONSOLE.....	8W-49-1
AIR CONDITIONING-HEATER	8W-42-1	POWER DISTRIBUTION	8W-10-1
ALL WHEEL ANTILOCK BRAKES	8W-35-1	POWER DISTRIBUTION	8W-97-1
AUDIO SYSTEM	8W-47-1	POWER DOOR LOCKS	8W-61-1
BUS COMMUNICATIONS	8W-18-1	POWER MIRRORS	8W-62-1
CENTRAL TIMER MODULE.....	8W-45-1	POWER SEATS	8W-63-1
CHARGING SYSTEM.....	8W-20-1	POWER WINDOWS.....	8W-60-1
COMPONENT INDEX.....	8W-02-1	REAR LIGHTING	8W-51-1
CONNECTOR/GROUND/SPLICE		REAR WHEEL ANTILOCK BRAKES.....	8W-34-1
LOCATION	8W-91-1	SPLICE INFORMATION.....	8W-70-1
CONNECTOR PIN-OUTS	8W-80-1	STARTING SYSTEM	8W-21-1
FRONT LIGHTING	8W-50-1	TRAILER TOW.....	8W-54-1
FUEL/IGNITION SYSTEM	8W-30-1	TRANSMISSION CONTROL SYSTEM	8W-31-1
GROUND DISTRIBUTION	8W-15-1	TURN SIGNALS.....	8W-52-1
HORN/CIGAR LIGHTER/POWER OUTLET ..	8W-41-1	VEHICLE SPEED CONTROL	8W-33-1
INSTRUMENT CLUSTER.....	8W-40-1	VEHICLE THEFT SECURITY SYSTEM.....	8W-39-1
INTERIOR LIGHTING.....	8W-44-1	WIPERS.....	8W-53-1
JUNCTION BLOCK.....	8W-12-1	WIRING DIAGRAM INFORMATION.....	8W-01-1

8W-01 WIRING DIAGRAM INFORMATION

TABLE OF CONTENTS

	page		page
WIRING DIAGRAM INFORMATION			
DESCRIPTION		STANDARD PROCEDURE - TESTING FOR A SHORT TO GROUND	9
DESCRIPTION - HOW TO USE WIRING DIAGRAMS	1	STANDARD PROCEDURE - TESTING FOR A SHORT TO GROUND ON FUSES POWERING SEVERAL LOADS	9
DESCRIPTION - CIRCUIT INFORMATION	4	STANDARD PROCEDURE - TESTING FOR A VOLTAGE DROP	9
DESCRIPTION - CIRCUIT FUNCTIONS	4	SPECIAL TOOLS	
DESCRIPTION - SECTION IDENTIFICATION AND INFORMATION	6	WIRING/TERMINAL	9
DESCRIPTION - CONNECTOR, GROUND AND SPLICE INFORMATION	6	CONNECTOR	
WARNINGS - GENERAL	7	REMOVAL	10
DIAGNOSIS AND TESTING - WIRING HARNESS	7	INSTALLATION	10
STANDARD PROCEDURE		DIODE	
STANDARD PROCEDURE - ELECTROSTATIC DISCHARGE (ESD) SENSITIVE DEVICES	8	REMOVAL	13
STANDARD PROCEDURE - TESTING OF VOLTAGE POTENTIAL	8	INSTALLATION	13
STANDARD PROCEDURE - TESTING FOR CONTINUITY	9	TERMINAL	
		REMOVAL	13
		INSTALLATION	13
		WIRE	
		STANDARD PROCEDURE - WIRE SPLICING . .	13

WIRING DIAGRAM
INFORMATION

DESCRIPTION

DESCRIPTION - HOW TO USE WIRING
DIAGRAMS

DaimlerChrysler Corporation wiring diagrams are designed to provide information regarding the vehicle wiring content. In order to effectively use the wiring diagrams to diagnose and repair DaimlerChrysler Corporation vehicles, it is important to understand all of their features and characteristics.

Diagrams are arranged such that the power (B+) side of the circuit is placed near the top of the page, and the ground (B-) side of the circuit is placed near the bottom of the page (Fig. 1).

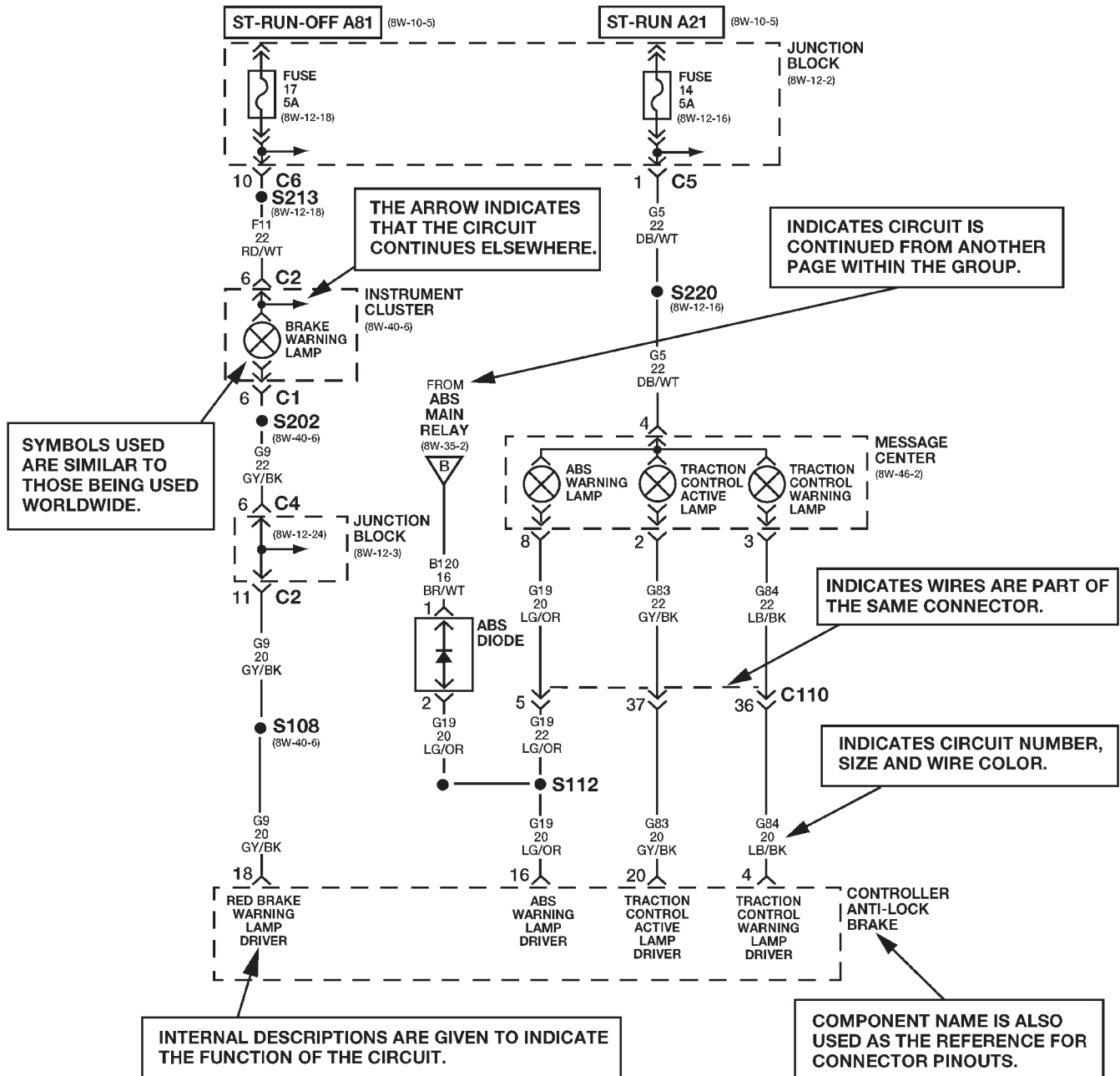
All switches, components, and modules are shown in the at rest position with the doors closed and the key removed from the ignition (Fig. 2).

Components are shown two ways. A solid line around a component indicates that the component is complete. A dashed line around the component indicates that the component is being shown is not complete. Incomplete components have a reference number to indicate the page where the component is shown complete.

It is important to realize that no attempt is made on the diagrams to represent components and wiring as they appear on the vehicle. For example, a short piece of wire is treated the same as a long one. In addition, switches and other components are shown as simply as possible, with regard to function only.

WIRING DIAGRAM INFORMATION (Continued)

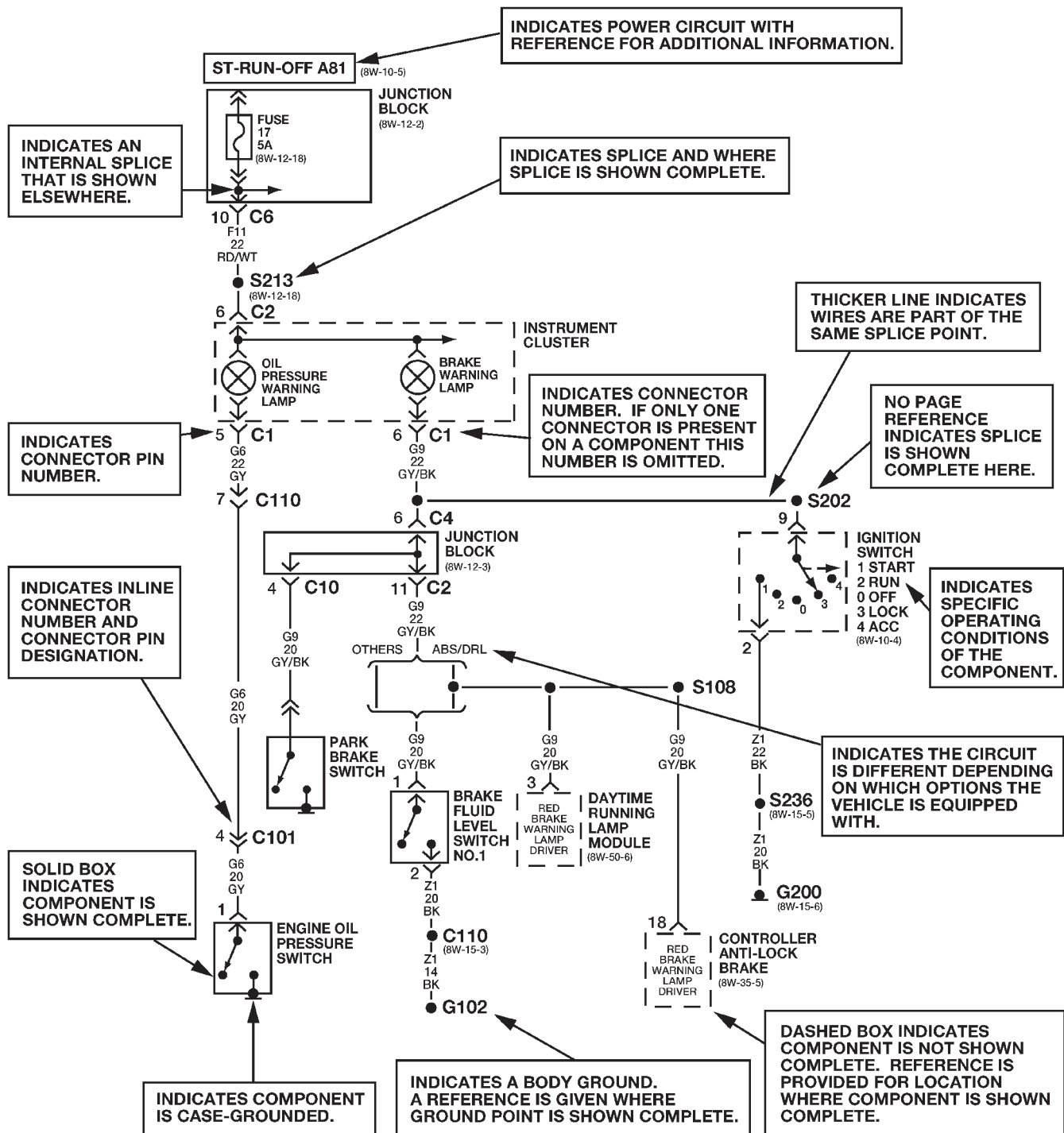
DIAGRAMS ARE ARRANGED WITH THE POWER B+ SIDE OF THE CIRCUIT NEAR THE TOP OF THE PAGE, AND THE GROUND SIDE OF THE CIRCUIT NEAR THE BOTTOM OF THE PAGE.



The System shown here is an **EXAMPLE ONLY**. It does not represent the actual circuit shown in the **WIRING DIAGRAM SECTION**.

Fig. 1 WIRING DIAGRAM EXAMPLE 1

WIRING DIAGRAM INFORMATION (Continued)



The System shown here is an **EXAMPLE ONLY**. It does not represent the actual circuit shown in the **WIRING DIAGRAM SECTION**.

Fig. 2 WIRING DIAGRAM EXAMPLE 2

WIRING DIAGRAM INFORMATION (Continued)

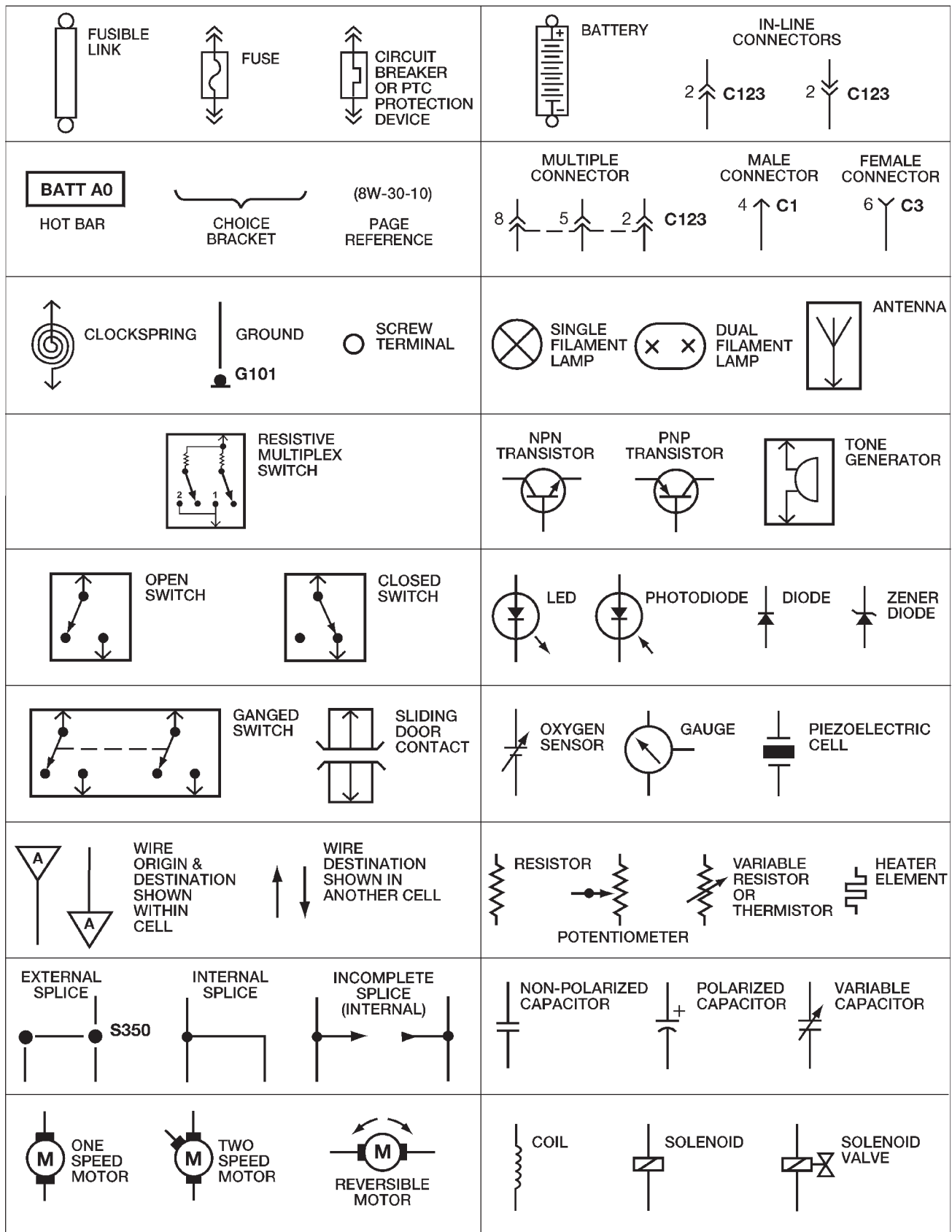
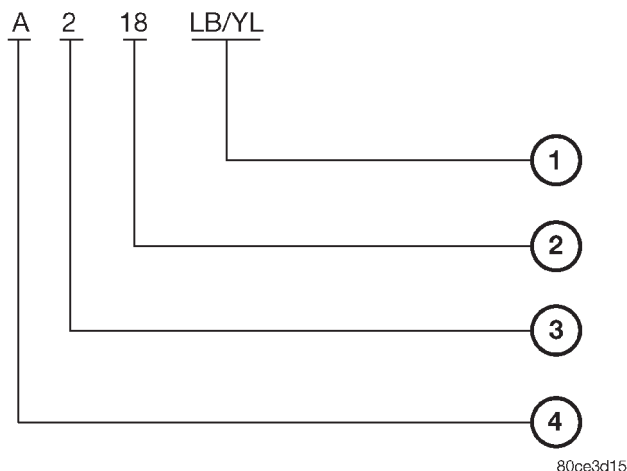


Fig. 3 WIRING DIAGRAM SYMBOLS

WIRING DIAGRAM INFORMATION (Continued)

**Fig. 4 WIRE CODE IDENTIFICATION**

- 1 - COLOR OF WIRE (LIGHT BLUE WITH YELLOW TRACER)
- 2 - GAGE OF WIRE (18 GAGE)
- 3 - PART OF MAIN CIRCUIT (VARIES DEPENDING ON EQUIPMENT)
- 4 - MAIN CIRCUIT IDENTIFICATION

DESCRIPTION - SECTION IDENTIFICATION AND INFORMATION

The wiring diagrams are grouped into individual sections. If a component is most likely found in a particular group, it will be shown complete (all wires, connectors, and pins) within that group. For example, the Auto Shutdown Relay is most likely to be found in Group 30, so it is shown there complete. It can, however, be shown partially in another group if it contains some associated wiring.

Splice diagrams in Section 8W-70 show the entire splice and provide references to other sections the splices serves. Section 8W-70 only contains splice diagrams that are not shown in their entirety somewhere else in the wiring diagrams.

Section 8W-80 shows each connector and the circuits involved with that connector. The connectors are identified using the name/number on the diagram pages.

WIRING SECTION CHART

GROUP	TOPIC
8W-01 thru 8W-09	General information and Diagram Overview
8W-10 thru 8W-19	Main Sources of Power and Vehicle Grounding
8W-20 thru 8W-29	Starting and Charging
8W-30 thru 8W-39	Powertrain/Drivetrain Systems

GROUP	TOPIC
8W-40 thru 8W-49	Body Electrical items and A/C
8W-50 thru 8W-59	Exterior Lighting, Wipers and Trailer Tow
8W-60 thru 8W-69	Power Accessories
8W-70	Splice Information
8W-80	Connector Pin Outs
8W-91	Connector, Ground and Splice Locations

DESCRIPTION - CONNECTOR, GROUND AND SPLICE INFORMATION

CAUTION: Not all connectors are serviced. Some connectors are serviced only with a harness. A typical example might be the Supplemental Restraint System connectors. Always check parts availability before attempting a repair.

IDENTIFICATION

In-line connectors are identified by a number, as follows:

- In-line connectors located in the engine compartment are C100 series numbers
- In-line connectors located in the Instrument Panel area are C200 series numbers.
- In-line connectors located in the body are C300 series numbers.
- Jumper harness connectors are C400 series numbers.
- Grounds and ground connectors are identified with a "G" and follow the same series numbering as the in-line connectors.
- Splices are identified with an "S" and follow the same series numbering as the in-line connectors.
- Component connectors are identified by the component name instead of a number. Multiple connectors on a component use a C1, C2, etc. identifier.

LOCATIONS

Section 8W-91 contains connector/ground/splice location illustrations. The illustrations contain the connector name (or number)/ground number/splice number and component identification. Connector/ground/splice location charts in section 8W-91 reference the figure numbers of the illustrations.

The abbreviation T/O is used in the component location section to indicate a point in which the wiring harness branches out to a component. The abbreviation N/S means Not Shown in the illustrations

WIRING DIAGRAM INFORMATION (Continued)**WARNINGS - GENERAL**

WARNINGS provide information to prevent personal injury and vehicle damage. Below is a list of general warnings that should be followed any time a vehicle is being serviced.

WARNING:: ALWAYS WEAR SAFETY GLASSES FOR EYE PROTECTION.

WARNING: USE SAFETY STANDS ANYTIME A PROCEDURE REQUIRES BEING UNDER A VEHICLE.

WARNING: BE SURE THAT THE IGNITION SWITCH ALWAYS IS IN THE OFF POSITION, UNLESS THE PROCEDURE REQUIRES IT TO BE ON.

WARNING: SET THE PARKING BRAKE WHEN WORKING ON ANY VEHICLE. AN AUTOMATIC TRANSMISSION SHOULD BE IN PARK. A MANUAL TRANSMISSION SHOULD BE IN NEUTRAL.

WARNING: OPERATE THE ENGINE ONLY IN A WELL-VENTILATED AREA.

WARNING: KEEP AWAY FROM MOVING PARTS WHEN THE ENGINE IS RUNNING, ESPECIALLY THE FAN AND BELTS.

WARNING: TO PREVENT SERIOUS BURNS, AVOID CONTACT WITH HOT PARTS SUCH AS THE RADIATOR, EXHAUST MANIFOLD(S), TAIL PIPE, CATALYTIC CONVERTER AND MUFFLER.

WARNING: DO NOT ALLOW FLAME OR SPARKS NEAR THE BATTERY. GASES ARE ALWAYS PRESENT IN AND AROUND THE BATTERY.

WARNING: ALWAYS REMOVE RINGS, WATCHES, LOOSE HANGING JEWELRY AND AVOID LOOSE CLOTHING.

DIAGNOSIS AND TESTING - WIRING HARNESS**TROUBLESHOOTING TOOLS**

When diagnosing a problem in an electrical circuit there are several common tools necessary. These tools are listed and explained below.

- **Jumper Wire** - This is a test wire used to connect two points of a circuit. It can be used to bypass an open in a circuit.

WARNING: NEVER USE A JUMPER WIRE ACROSS A LOAD, SUCH AS A MOTOR, CONNECTED BETWEEN A BATTERY FEED AND GROUND.

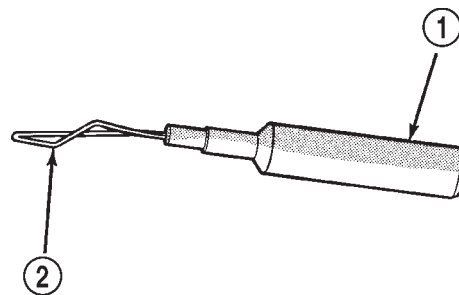
- **Voltmeter** - Used to check for voltage on a circuit. Always connect the black lead to a known good ground and the red lead to the positive side of the circuit.

CAUTION: Most of the electrical components used in today's vehicles are Solid State. When checking voltages in these circuits, use a meter with a 10 - megohm or greater impedance rating.

- **Ohmmeter** - Used to check the resistance between two points of a circuit. Low or no resistance in a circuit means good continuity.

CAUTION: Most of the electrical components used in today's vehicles are Solid State. When checking resistance in these circuits use a meter with a 10 - megohm or greater impedance rating. In addition, make sure the power is disconnected from the circuit. Circuits that are powered up by the vehicle's electrical system can cause damage to the equipment and provide false readings.

- **Probing Tools** - These tools are used for probing terminals in connectors (Fig. 5). Select the proper size tool from Special Tool Package 6807, and insert it into the terminal being tested. Use the other end of the tool to insert the meter probe.



948W-233

Fig. 5 PROBING TOOL

- 1 - SPECIAL TOOL 6801
2 - PROBING END

INTERMITTENT AND POOR CONNECTIONS

Most intermittent electrical problems are caused by faulty electrical connections or wiring. It is also possible for a sticking component or relay to cause a problem. Before condemning a component or wiring assembly, check the following items.

- Connectors are fully seated
- Spread terminals, or terminal push out

WIRING DIAGRAM INFORMATION (Continued)

• Terminals in the wiring assembly are fully seated into the connector/component and locked into position

• Dirt or corrosion on the terminals. Any amount of corrosion or dirt could cause an intermittent problem

• Damaged connector/component casing exposing the item to dirt or moisture

• Wire insulation that has rubbed through causing a short to ground

• Some or all of the wiring strands broken inside of the insulation

• Wiring broken inside of the insulation

TROUBLESHOOTING WIRING PROBLEMS

When troubleshooting wiring problems there are six steps which can aid in the procedure. The steps are listed and explained below. Always check for non-factory items added to the vehicle before doing any diagnosis. If the vehicle is equipped with these items, disconnect them to verify these add-on items are not the cause of the problem.

(1) Verify the problem.

(2) Verify any related symptoms. Do this by performing operational checks on components that are in the same circuit. Refer to the wiring diagrams.

(3) Analyze the symptoms. Use the wiring diagrams to determine what the circuit is doing, where the problem most likely is occurring and where the diagnosis will continue.

(4) Isolate the problem area.

(5) Repair the problem area.

(6) Verify the proper operation. For this step, check for proper operation of all items on the repaired circuit. Refer to the wiring diagrams.

STANDARD PROCEDURE**STANDARD PROCEDURE - ELECTROSTATIC DISCHARGE (ESD) SENSITIVE DEVICES**

All ESD sensitive components are solid state and a symbol (Fig. 6) is used to indicate this. When handling any component with this symbol, comply with the following procedures to reduce the possibility of electrostatic charge build up on the body and inadvertent discharge into the component. If it is not known whether the part is ESD sensitive, assume that it is.

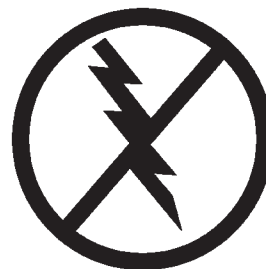
(1) Always touch a known good ground before handling the part. This should be repeated while handling the part and more frequently after sliding across a seat, sitting down from a standing position, or walking a distance.

(2) Avoid touching electrical terminals of the part, unless instructed to do so by a written procedure.

(3) When using a voltmeter, be sure to connect the ground lead first.

(4) Do not remove the part from its protective packing until it is time to install the part.

(5) Before removing the part from its package, ground the package to a known good ground on the vehicle.



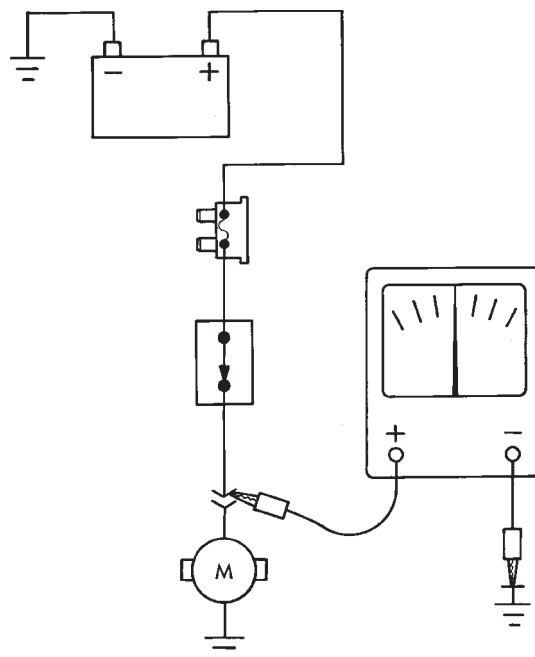
80ce3d47

Fig. 6 ELECTROSTATIC DISCHARGE SYMBOL

STANDARD PROCEDURE - TESTING OF VOLTAGE POTENTIAL

(1) Connect the ground lead of a voltmeter to a known good ground (Fig. 7).

(2) Connect the other lead of the voltmeter to the selected test point. The vehicle ignition may need to be turned ON to check voltage. Refer to the appropriate test procedure.

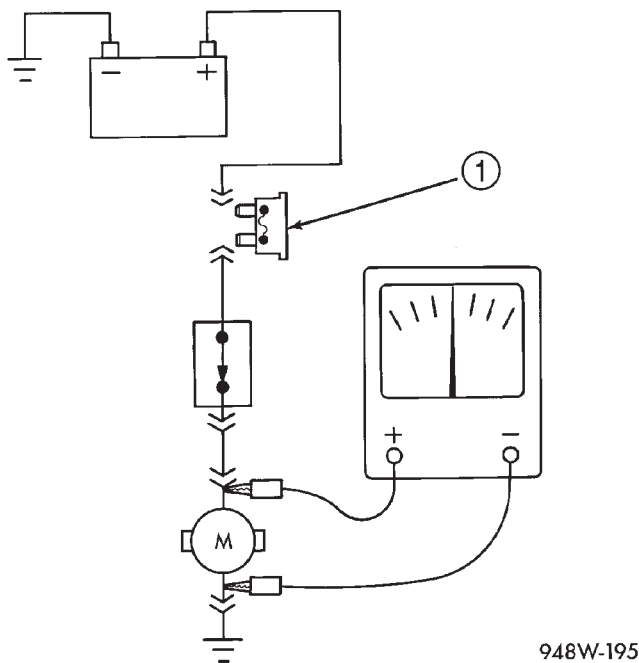


948W-194

Fig. 7 TESTING FOR VOLTAGE POTENTIAL

WIRING DIAGRAM INFORMATION (Continued)**STANDARD PROCEDURE - TESTING FOR CONTINUITY**

- (1) Remove the fuse for the circuit being checked or, disconnect the battery.
- (2) Connect one lead of the ohmmeter to one side of the circuit being tested (Fig. 8).
- (3) Connect the other lead to the other end of the circuit being tested. Low or no resistance means good continuity.



948W-195

Fig. 8 TESTING FOR CONTINUITY

1 - FUSE REMOVED FROM CIRCUIT

STANDARD PROCEDURE - TESTING FOR A SHORT TO GROUND

- (1) Remove the fuse and disconnect all items involved with the fuse.
- (2) Connect a test light or a voltmeter across the terminals of the fuse.
- (3) Starting at the fuse block, wiggle the wiring harness about six to eight inches apart and watch the voltmeter/test lamp.
- (4) If the voltmeter registers voltage or the test lamp glows, there is a short to ground in that general area of the wiring harness.

STANDARD PROCEDURE - TESTING FOR A SHORT TO GROUND ON FUSES POWERING SEVERAL LOADS

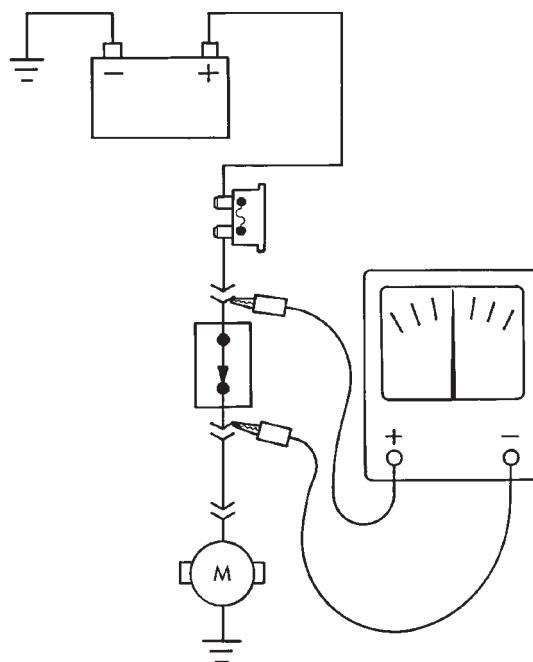
- (1) Refer to the wiring diagrams and disconnect or isolate all items on the suspected fused circuits.
- (2) Replace the blown fuse.

(3) Supply power to the fuse by turning ON the ignition switch or re-connecting the battery.

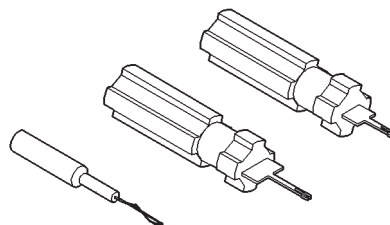
(4) Start connecting or energizing the items in the fuse circuit one at a time. When the fuse blows the circuit with the short to ground has been isolated.

STANDARD PROCEDURE - TESTING FOR A VOLTAGE DROP

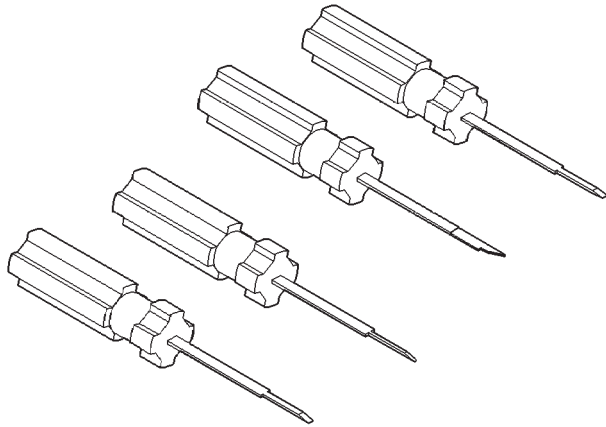
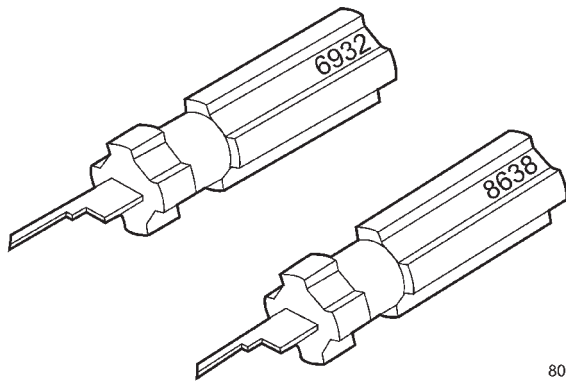
- (1) Connect the positive lead of the voltmeter to the side of the circuit closest to the battery (Fig. 9).
- (2) Connect the other lead of the voltmeter to the other side of the switch, component or circuit.
- (3) Operate the item.
- (4) The voltmeter will show the difference in voltage between the two points.



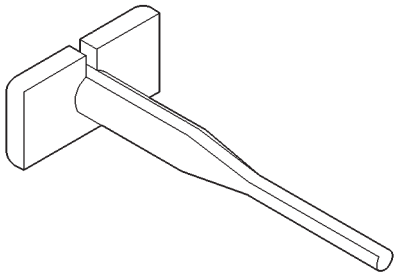
948W-196

Fig. 9 TESTING FOR VOLTAGE DROP**SPECIAL TOOLS****WIRING/TERMINAL****PROBING TOOL PACKAGE 6807**

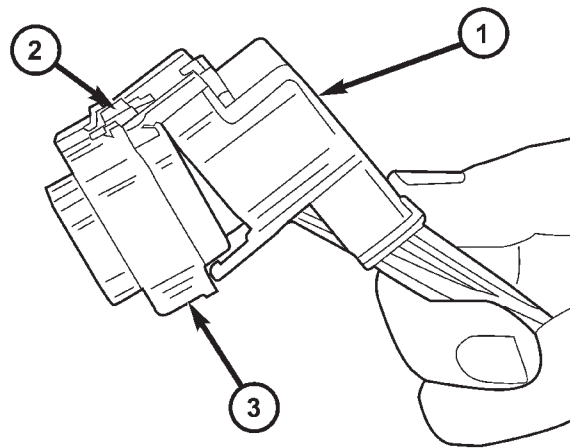
WIRING DIAGRAM INFORMATION (Continued)

**TERMINAL PICK TOOL SET 6680**

8091c8da

TERMINAL REMOVING TOOLS 6932 AND 8638**TERMINAL REMOVING TOOL 6934****CONNECTOR****REMOVAL**

- (1) Disconnect battery.
- (2) Release Connector Lock (Fig. 10).
- (3) Disconnect the connector being repaired from its mating half/component.
- (4) Remove the dress cover (if applicable) (Fig. 10).



80c97bac

Fig. 10 REMOVAL OF DRESS COVER

- 1 - DRESS COVER
2 - CONNECTOR LOCK
3 - CONNECTOR

- (5) Release the Secondary Terminal Lock, if required (Fig. 11).

- (6) Position the connector locking finger away from the terminal using the proper special tool. Pull on the wire to remove the terminal from the connector (Fig. 12).

INSTALLATION

- (1) Insert the removed terminal in the same cavity on the repair connector.

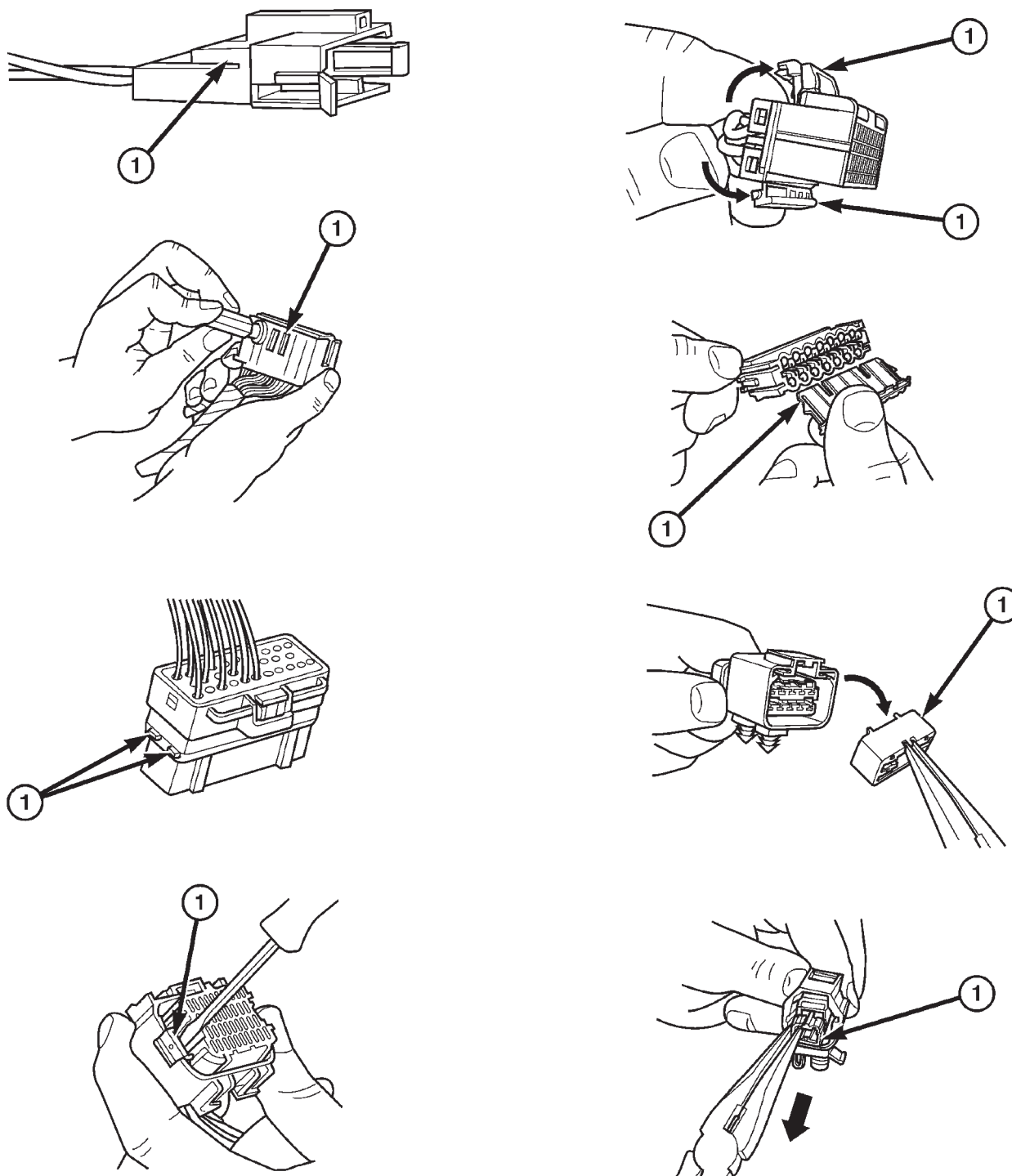
- (2) Repeat steps for each terminal in the connector, being sure that all wires are inserted into the proper cavities. For additional connector pin-out identification, refer to the wiring diagrams.

- (3) When the connector is re-assembled, the secondary terminal lock must be placed in the locked position to prevent terminal push out.

- (4) Replace dress cover (if applicable).
- (5) Connect connector to its mating half/component.

- (6) Connect battery and test all affected systems.

CONNECTOR (Continued)

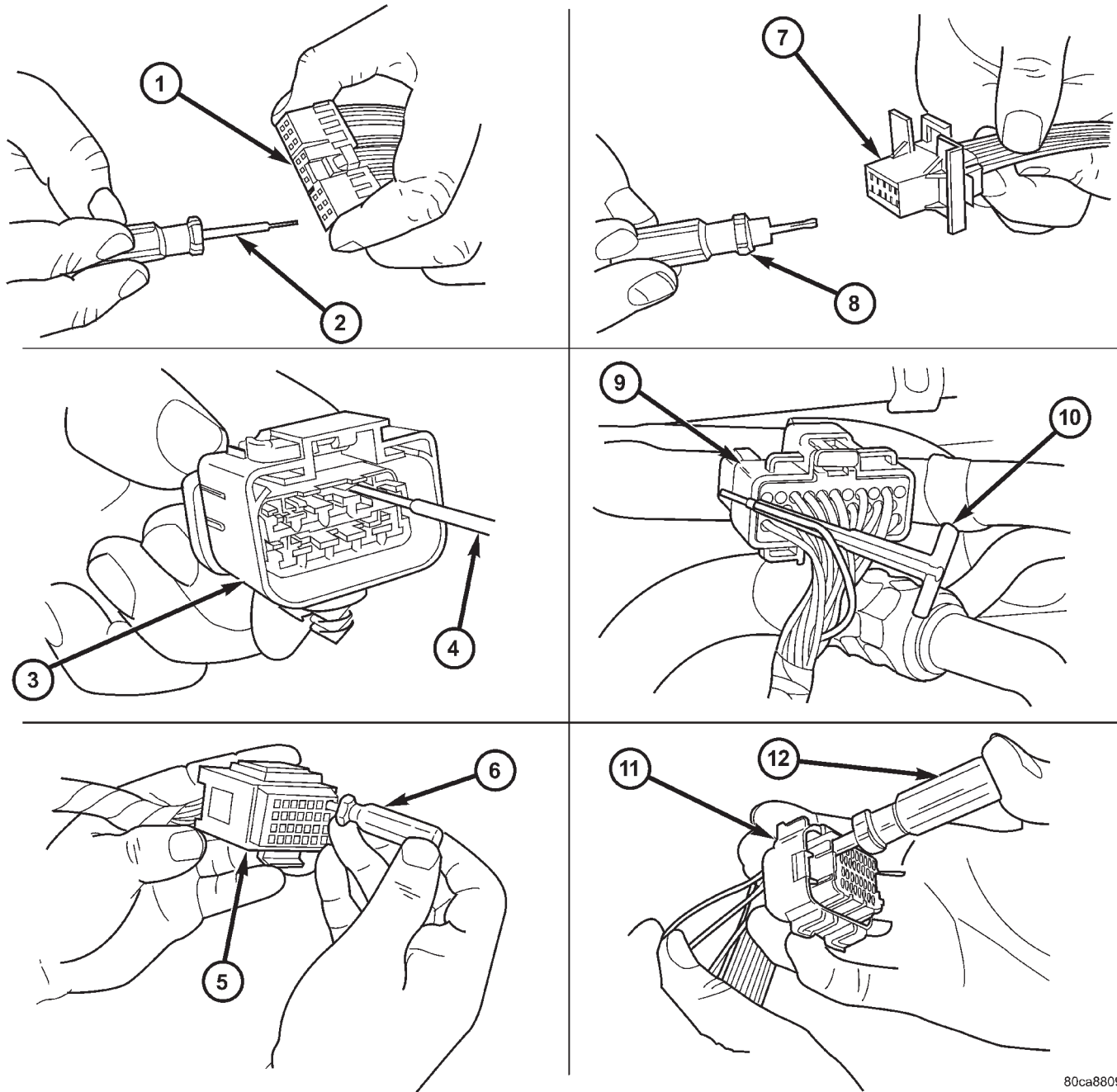


80ca8802

Fig. 11 EXAMPLES OF CONNECTOR SECONDARY TERMINAL LOCKS

1 - Secondary Terminal Lock

CONNECTOR (Continued)



80ca8809

Fig. 12 TERMINAL REMOVAL

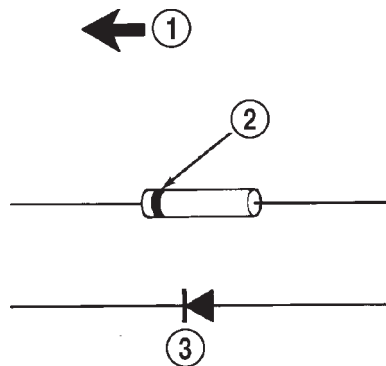
- 1 - TYPICAL CONNECTOR
- 2 - PICK FROM SPECIAL TOOL KIT 6680
- 3 - APEX CONNECTOR
- 4 - PICK FROM SPECIAL TOOL KIT 6680
- 5 - AUGAT CONNECTOR
- 6 - SPECIAL TOOL 6932
- 7 - MOLEX CONNECTOR

- 8 - SPECIAL TOOL 6742
- 9 - THOMAS AND BETTS CONNECTOR
- 10 - SPECIAL TOOL 6934
- 11 - TYCO CONNECTOR
- 12 - SPECIAL TOOL 8638

DIODE

REMOVAL

- (1) Disconnect the battery.
- (2) Locate the diode in the harness, and remove the protective covering.
- (3) Remove the diode from the harness, pay attention to the current flow direction (Fig. 13).



948W-197

Fig. 13 DIODE IDENTIFICATION

- 1 - CURRENT FLOW
- 2 - BAND AROUND DIODE INDICATES CURRENT FLOW
- 3 - DIODE AS SHOWN IN THE DIAGRAMS

INSTALLATION

- (1) Remove the insulation from the wires in the harness. Only remove enough insulation to solder in the new diode.
- (2) Install the new diode in the harness, making sure current flow is correct. If necessary, refer to the appropriate wiring diagram for current flow (Fig. 13).
- (3) Solder the connection together using rosin core type solder only. **Do not use acid core solder.**
- (4) Tape the diode to the harness using electrical tape. Make sure the diode is completely sealed from the elements.
- (5) Re-connect the battery and test affected systems.

TERMINAL

REMOVAL

- (1) Follow steps for removing terminals described in the connector removal section.
- (2) Cut the wire 6 inches from the back of the connector.

INSTALLATION

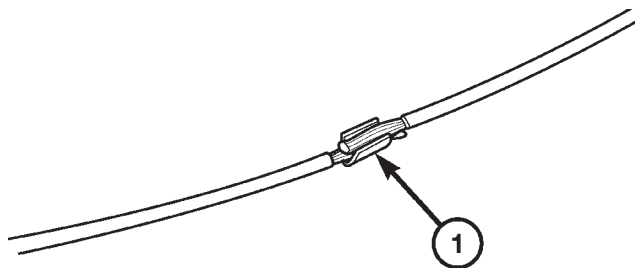
- (1) Select a wire from the terminal repair kit that best matches the color and gage of the wire being repaired.
- (2) Cut the repair wire to the proper length and remove one-half (1/2) inch of insulation.
- (3) Splice the repair wire to the wire harness (see wire splicing procedure).
- (4) Insert the repaired wire into the connector.
- (5) Install the connector locking wedge, if required, and reconnect the connector to its mating half/component.
- (6) Re-tape the wire harness starting at 1-1/2 inches behind the connector and 2 inches past the repair.
- (7) Connect battery and test all affected systems.

WIRE

STANDARD PROCEDURE - WIRE SPLICING

When splicing a wire, it is important that the correct gage be used as shown in the wiring diagrams.

- (1) Remove one-half (1/2) inch of insulation from each wire that needs to be spliced.
- (2) Place a piece of adhesive lined heat shrink tubing on one side of the wire. Make sure the tubing will be long enough to cover and seal the entire repair area.
- (3) Place the strands of wire overlapping each other inside of the splice clip (Fig. 14).



80c4f3f1

Fig. 14 SPLICE BAND

- 1 - SPLICE BAND

- (4) Using crimping tool, Mopar p/n 05019912AA, crimp the splice clip and wires together (Fig. 15).
- (5) Solder the connection together using rosin core type solder only (Fig. 16).

WIRE (Continued)

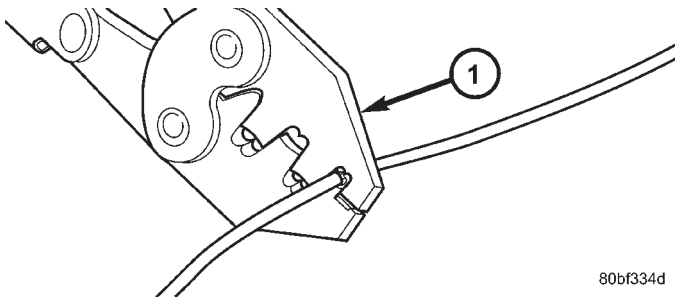


Fig. 15 CRIMPING TOOL

1 - CRIMPING TOOL

CAUTION: DO NOT USE ACID CORE SOLDER.

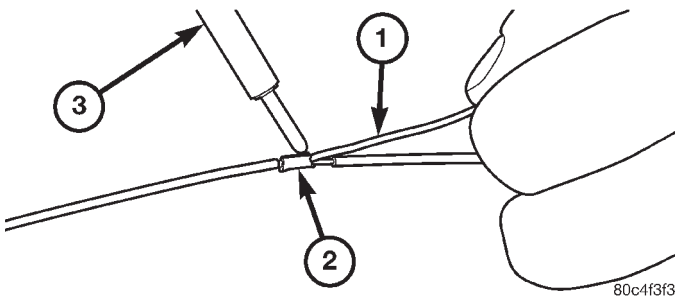


Fig. 16 SOLDER SPLICE

1 - SOLDER
2 - SPLICE BAND
3 - SOLDERING IRON

(6) 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 (Fig. 17).

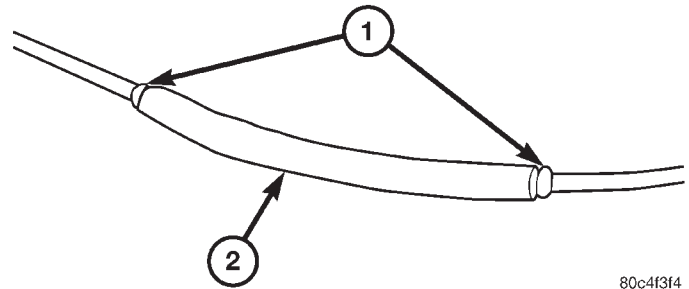


Fig. 17 HEAT SHRINK TUBE

1 - SEALANT
2 - HEAT SHRINK TUBE

8W-02 COMPONENT INDEX

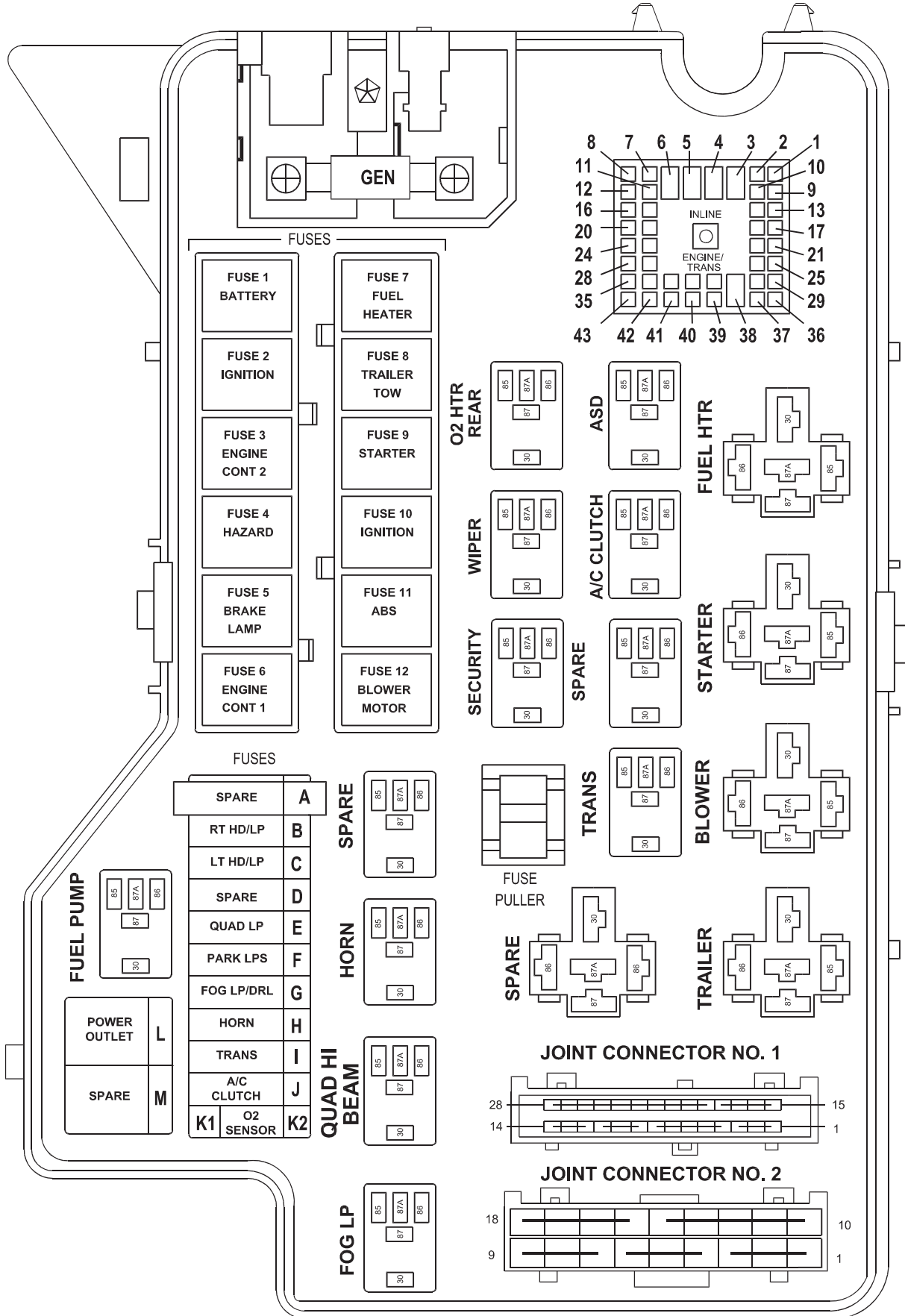
Component	Page	Component	Page
4WD Switch	8W-31	Driver Heated Seat Switch	8W-63
A/C Compressor Clutch Relay	8W-42	Driver Lumbar Motor	8W-63
A/C Compressor Clutch	8W-42	Driver Power Seat Front Vertical Motor	8W-63
A/C- Heater Control	8W-42	Driver Power Seat Horizontal Motor	8W-63
A/C Heater Temperature Select	8W-42	Driver Power Seat Rear Vertical Motor	8W-63
A/C High Pressure Switch	8W-42	Driver Power Seat Switch	8W-63
A/C Low Pressure Switch	8W-42	Driver Power Window Motor	8W-60
Accelerator Pedal Position Sensor	8W-30	Electric Brake Provision	8W-54
Aftermarket Center High Mounted Stop Lamp	8W-51	Engine Control Module	8W-30
Aftermarket Trailer Tow Connector	8W-54	Engine Coolant Temperature Sensor	8W-30
Airbag Control Module	8W-43	Engine Oil Pressure Sensor	8W-30
Ambient Temperature Sensor	8W-49	Engine Starter Motor Relay	8W-21
Ash Receiver Lamp	8W-44	Engine Starter Motor	8W-21
Automatic Day/Night Mirror	8W-49	EVAP/Purge Solenoid	8W-30
Automatic Shut Down Relay	8W-30	Fender Lamp	8W-51
Auxiliary Battery	8W-20	Fog Lamp Relay	8W-50
Back-Up Lamp Switch	8W-51	Fog Lamp	8W-50
Back-Up Lamp	8W-51	Fuel Heater Relay	8W-30
Battery Temperature Sensor	8W-30	Fuel Heater	8W-30-36
Battery	8W-20	Fuel Injection Pump	8W-30
Blend Door Actuator	8W-42	Fuel Injectors	8W-30
Blower Motor Relay	8W-42	Fuel Pump Module	8W-30
Blower Motor Resistor Block	8W-42	Fuel Pump Relay	8W-30
Blower Motor	8W-42	Fuel Tank Module	8W-30
Brake Lamp Switch	8W-51	Fuel Transfer Pump	8W-30
Brake Pressure Switch	8W-34, 35	Fuses (JB)	8W-12
Bypass Jumper	8W-21	Fuses (PDC)	8W-10
Camshaft Position Sensor	8W-30	Fusible Link	8W-20, 30
Capacitor	8W-10, 30	Grounds	8W-15
Cargo Lamps	8W-44	Generator	8W-20
Center High Mounted Stop Lamps	8W-51	Glove Box Lamp And Switch	8W-44
Center Identification Lamp	8W-50	Headlamp Beam Select Switch	8W-50
Central Timer Module	8W-45	Headlamp Switch	8W-50
Cigar Lighter	8W-41	Headlamp	8W-50
Circuit Breakers	8W-12	Heated Mirror Relay	8W-62
Clockspring	8W-33, 41, 43, 47	Heated Mirror Switch	8W-62
Clutch Pedal Position Switch	8W-21	Heated Seat Relay	8W-12
Combination Flasher	8W-52	High Note Horn	8W-41
Controller Antilock Brake	8W-34, 35	Horn Relay	8W-41
Crankshaft Position Sensor	8W-30	Horn Switch	8W-41
Cummins Bus	8W-18	Idle Air Control Motor	8W-30
Cup Holder Lamp	8W-44	Ignition Coils	8W-30
Data Link Connector	8W-18	Ignition Switch	8W-10
Daytime Running Lamp Module	8W-50	Instrument Cluster	8W-40
Dome Lamp	8W-44	Intake Air Heater Relays	8W-30
Driver Airbag	8W-43	Intake Air Heater	8W-30
Driver Cylinder Lock Switch	8W-39	Intake Air Temperature Sensor	8W-30
Driver Door Ajar Switch	8W-45	Intermittent Wiper Switch	8W-53
Driver Door Lock Motor	8W-61	Joint Connectors	8W-10, 12, 15, 30, 34, 35, 40, 44, 45, 51, 53, 54, 70
Driver Door Window/Lock Switch	8W-60, 61	Junction Block	8W-12
Driver Heated Seat Cushion	8W-63	Leak Detection Pump	8W-30

Component	Page	Component	Page
License Lamp	8W-51	Power Mirror	8W-62
Low Note Horn	8W-41	Power Outlet	8W-41
Manifold Absolute Pressure Sensor	8W-30	Powertrain Control Module	8W-30
Outboard Clearance Lamps	8W-50	PTO Switch	8W-30
Outboard Headlamps	8W-50	Quad High Beam Relay	8W-50
Outboard Identification Lamps	8W-50	Radio Choke Relay	8W-47
Output Speed Sensor	8W-31	Radio	8W-47
Overdrive Switch	8W-31	Rear Wheel Speed Sensor	8W-34, 35
Overhead Console	8W-49	Remote Radio Switch	8W-47
Oxygen Sensors	8W-30	Splices	8W-70
Oxygen Sensor Downstream Relay	8W-30	Seat Belt Switch	8W-40
Park Brake Switch	8W-40, 50	Seat Heat Interface Module	8W-63
Park/Neutral Position Switch	8W-30, 51	Security Relay	8W-39
Park/Turn Signal Lamp	8W-52	Speakers	8W-47
Passenger Airbag On/Off Switch	8W-43	Speed Control Servo	8W-33
Passenger Airbag	8W-43	Speed Control Switches	8W-33
Passenger Cylinder Lock Switch	8W-39	Tail/Stop/Turn Signal Lamp	8W-51
Passenger Door Ajar Switch	8W-45	Tailgate Lamps	8W-51
Passenger Door Lock Motor	8W-61	Throttle Position Sensor	8W-30
Passenger Door Window/Lock Switch	8W-60, 61	Trailer Tow Connector	8W-54
Passenger Heated Seat Cushion	8W-63	Trailer Tow Relay	8W-54
Passenger Heated Seat Switch	8W-63	Transmission Control Relay	8W-31
Passenger Lumbar Motor	8W-63	Transmission Solenoid Assembly	8W-31
Passenger Power Seat Front Vertical Motor	8W-63	Turn Signal/Hazard Switch	8W-52
Passenger Power Seat Horizontal Motor	8W-63	Underhood Lamp	8W-44
Passenger Power Seat Rear Vertical Motor	8W-63	Visor/Vanity Lamps	8W-44
Passenger Power Seat Switch	8W-63	Washer Fluid Level Switch	8W-40
Passenger Power Window Motor	8W-60	Water In Fuel Sensor	8W-30
Power Distribution Center	8W-10	Wheel Speed Sensor	8W-35
Power Mirror Switch	8W-62	Windshield Washer Pump	8W-53
		Wiper Motor Relay	8W-53

8W-10 POWER DISTRIBUTION

Component	Page	Component	Page
A/C Compressor Clutch	8W-10-27	Fuse 14 (JB)	8W-10-10
A/C Compressor Clutch Relay	8W-10-9, 27	Fuse B (PDC)	8W-10-8, 9, 24
Aftermarket Center High Mounted Stop Lamp	8W-10-13	Fuse C (PDC)	8W-10-9, 24
Aftermarket Trailer Tow Connector	8W-10-21	Fuse E (PDC)	8W-10-9, 24
Automatic Shut Down Relay	8W-10-14, 20	Fuse F (PDC)	8W-10-9, 24
Auxiliary Battery	8W-10-8	Fuse G (PDC)	8W-10-9, 25
Battery	8W-10-8	Fuse H (PDC)	8W-10-9, 26
Blower Motor	8W-10-23	Fuse I (PDC)	8W-10-9, 26
Blower Motor Relay	8W-10-8, 23	Fuse J (PDC)	8W-10-9, 27
Brake Lamp Switch	8W-10-8, 13	Fuse K (PDC)	8W-10-9, 14, 17, 18, 19
Capacitor	8W-10-16	Fuse L (PDC)	8W-10-9, 27
Center High Mounted Stop Lamp No. 1	8W-10-13	Fuse Gen (PDC)	8W-10-8, 27
Center High Mounted Stop Lamp No. 2	8W-10-13	G201	8W-10-22
Central Timer Module	8W-10-22, 26	Generator	8W-10-8, 27
Circuit Breaker 2	8W-10-10	Headlamp Beam Select Switch	8W-10-25
Clockspring	8W-10-26	Headlamp Switch	8W-10-9, 24
Combination Flasher	8W-10-13	High Note Horn	8W-10-26
Controller Antilock Brake	8W-10-23	Horn Relay	8W-10-9, 26
Daytime Running Lamp Module	8W-10-25	Ignition Coil	8W-10-15
Electric Brake Provision	8W-10-13, 21	Ignition Coil 4 Pack	8W-10-16
Engine Control Module	8W-10-12	Ignition Coil 6 Pack	8W-10-16
Engine Starter Motor	8W-10-23	Ignition Switch	8W-10-8, 10, 22
Engine Starter Motor Relay	8W-10-8, 23	Joint Connector No. 1	8W-10-25, 26
Fog Lamp Relay	8W-10-25	Joint Connector No. 2	8W-10-8, 9, 11, 12, 14, 15, 16, 20, 21
Fuel Heater	8W-10-20	Joint Connector No. 5	8W-10-22
Fuel Heater Relay	8W-10-8, 20	Joint Connector No. 6	8W-10-13, 22, 26
Fuel Injection Pump	8W-10-12	Joint Connector No. 8	8W-10-22
Fuel Injector No. 1	8W-10-15, 16	Junction Block	8W-10-8, 10, 13
Fuel Injector No. 2	8W-10-15, 16	Left Fog Lamp	8W-10-25
Fuel Injector No. 3	8W-10-15, 16	Left Headlamp	8W-10-24
Fuel Injector No. 4	8W-10-15, 16	Left Outboard Headlamp	8W-10-9, 24, 25
Fuel Injector No. 5	8W-10-15, 16	Low Note Horn	8W-10-26
Fuel Injector No. 6	8W-10-15, 16	Oxygen Sensor 1/1 Left Bank Up ...	8W-10-17, 18, 19
Fuel Injector No. 7	8W-10-15, 16	Oxygen Sensor 1/1 Upstream	8W-10-17
Fuel Injector No. 8	8W-10-15, 16	Oxygen Sensor 1/2 Downstream	8W-10-17
Fuel Injector No. 9	8W-10-16	Oxygen Sensor 1/2 Left Bank Down	8W-10-19
Fuel Injector No. 10	8W-10-16	Oxygen Sensor 1/2 Pre-Catalyst	8W-10-18
Fuel Pump Module	8W-10-11	Oxygen Sensor 1/3 Post-Catalyst	8W-10-18
Fuel Pump Relay	8W-10-11, 12	Oxygen Sensor 2/1 Right Bank Up ..	8W-10-17, 18, 19
Fuse 1 (JB)	8W-10-10	Oxygen Sensor 2/2 Right Bank Down	8W-10-19
Fuse 1 (PDC)	8W-10-8, 10	Oxygen Sensor Downstream Relay	8W-10-18, 19
Fuse 2 (PDC)	8W-10-8, 10, 22	Power Distribution Center	8W-10-8, 9, 10, 11, 12, 13, 14, 2, 20, 21, 22, 23, 24, 25, 26, 27
Fuse 3 (PDC)	8W-10-8, 11, 12	Power Outlet	8W-10-9, 27
Fuse 4 (JB)	8W-10-10	Powertrain Control Module ..	8W-10-11, 12, 15, 16, 20
Fuse 4 (PDC)	8W-10-8, 13	Quad High Beam Relay	8W-10-24
Fuse 5 (PDC)	8W-10-8, 13	Right Fog Lamp	8W-10-25
Fuse 6 (PDC)	8W-10-8, 14, 20	Right Headlamp	8W-10-24
Fuse 7 (PDC)	8W-10-8, 20	Right Outboard Headlamp	8W-10-9, 24, 25
Fuse 8 (PDC)	8W-10-8, 21	Security Relay	8W-10-9, 25
Fuse 9 (PDC)	8W-10-8, 23	Trailer Tow Connector	8W-10-21
Fuse 10 (PDC)	8W-10-8, 22	Trailer Tow Relay	8W-10-21
Fuse 11 (PDC)	8W-10-8, 23	Transmission Control Relay	8W-10-9, 26
Fuse 12 (JB)	8W-10-10	Transmission Solenoid Assembly	8W-10-26
Fuse 12 (PDC)	8W-10-8, 9, 23	Turn Signal/Hazard Switch	8W-10-13
Fuse 13 (JB)	8W-10-10		

POWER DISTRIBUTION CENTER



FUSE NO.	AMPS	FUSED CIRCUIT	FUNCTION
1	50	A7 10RD/BK	FUSED B(+)
2	30	A2 14PK/BK	FUSED B(+)
3	20	A14 16RD/WT	FUSED B(+)
4	20	L9 16BK/VT	FUSED B(+)
5	20	F32 16PK/DB	FUSED B(+)
6	30	A16 14RD/LB	FUSED B(+)
7	40	A112 12RD/TN ■■	FUSED B(+)
8	40	A6 12RD/OR ●●	FUSED B(+)
9	30	F45 18YL	FUSED B(+)
10	50	A1 10RD	FUSED B(+)
11	40	A10 10RD/DG	FUSED B(+)
12	40	C111 12DG/YL	FUSED B(+)
A	-	-	-
B	15	L44 18VT/RD	FUSED B(+)
C	15	L43 18VT	FUSED B(+)
D	-	-	-
E	15	L45 18PK/RD ▲▲	FUSED B(+)
F	20	F33 16PK/RD	FUSED B(+)
G	15	L34 20RD/OR ●	FUSED B(+)
H	20	INTERNAL	FUSED B(+)
I	20	T17 18YL	FUSED B(+)
J	10	C26 22PK/DB	FUSED B(+)
K1 ■	15	A141 20DG/WT	AUTOMATIC SHUT DOWN RELAY OUTPUT
K2 ■■	15	A142 14DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
L	20	A12 16RD/TN	FUSED B(+)
M	-	-	-
GEN	140	A11 4BK/GY ■	FUSED B(+)
		A11 4BK ■■	FUSED B(+)

- EXCEPT BASE
- TRAILER TOW
- ▲▲ QUAD HEADLAMPS
- GAS
- DIESEL

RELAYS

A/C
COMPRESSOR
CLUTCH
RELAY

CAVITY	CIRCUIT	FUNCTION
30	C26 22PK/DB	FUSED B(+)
85	C13 22DB/OR	A/C COMPRESSOR CLUTCH RELAY CONTROL
86	F12 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
87	C3 22DB/BK	A/C COMPRESSOR CLUTCH RELAY OUTPUT
87A	-	-

AUTOMATIC
SHUT
DOWN
RELAY

CAVITY	CIRCUIT	FUNCTION
30	A16 14RD/LB	FUSED B(+)
85	K51 20DB/YL	AUTOMATIC SHUT DOWN RELAY CONTROL
86	A16 14RD/LB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
87	A142 14DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
87A	-	-

BLOWER
MOTOR
RELAY

CAVITY	CIRCUIT	FUNCTION
30	C111 12DG/YL	FUSED B(+)
85	Z1 22BK	GROUND
86	F15 22DB	FUSED IGNITION SWITCH OUTPUT (RUN)
87	C1 12DG	BLOWER MOTOR FEED
87A	-	-

ENGINE
STARTER
MOTOR
RELAY

CAVITY	CIRCUIT	FUNCTION
30	F45 18YL	FUSED B(+) ENGINE STARTER MOTOR RELAY
85	T41 22BK/WT	PARK/NEUTRAL POSITION SWITCH SENSE
86	T141 14YL/RD	FUSED IGNITION SWITCH OUTPUT (START)
87	T40 14BR	STARTER RELAY OUTPUT
87A	-	-

**FOG
LAMP
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	L39 20LB	FOG LAMP RELAY OUTPUT
85	L35 20BR/YL ■ ■	FOG LAMP SWITCH OUTPUT
85	L139 20VT ■	-
86	L34 20RD/OR ■	FUSED B(+)
86	L3 18RD/OR ■ ■	BEAM SELECT SWITCH HIGH BEAM OUTPUT
87	L35 20BR/YL ■ ■	FOG LAMP SWITCH OUTPUT
87A	L35 22BR/YL ■	FOG LAMP SWITCH OUTPUT

**FUEL
HEATER
RELAY
(DIESEL)**

CAVITY	CIRCUIT	FUNCTION
30	A112 12RD/TN	FUSED B(+)
85	Z1 22BK	GROUND
86	F12 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
87	A93 12RD/BK	FUEL HEATER RELAY OUTPUT
87A	-	-

**FUEL
PUMP
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	A14 16RD/WT	FUSED B (+)
85	K31 20BR/WT •	FUEL PUMP RELAY CONTROL
85	Z1 20BK ••	GROUND
86	F18 20LG/BK •	FUSED IGNITION SWITCH OUTPUT (RUN-START)
86	K131 20BR/WT ••	FUEL PUMP RELAY CONTROL
87	A40 14RD/LG ••	FUEL PUMP RELAY OUTPUT
87	A61 16DG/BK •	FUEL PUMP RELAY OUTPUT
87A	-	-

- GAS
- DIESEL
- DRL
- ■ EXCEPT DRL

HORN
RELAY

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	X3 22BK/RD	HORN RELAY CONTROL
86	INTERNAL	FUSED B(+)
87	X2 18DG/RD	HORN RELAY OUTPUT
87A	-	-

OXYGEN
SENSOR
DOWNSTREAM
RELAY
(CALIFORNIA)

CAVITY	CIRCUIT	FUNCTION
30	A141 20DG/WT	AUTOMATIC SHUT DOWN RELAY OUTPUT
85	K145 20DG/PK	OXYGEN SENSOR DOWNSTREAM RELAY CONTROL
86	A141 20DG/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
87	A341 20DG/YL	OXYGEN SENSOR DOWNSTREAM RELAY OUTPUT

QUAD
HIGH BEAM
RELAY

CAVITY	CIRCUIT	FUNCTION
30	L33 18LG/BR	QUAD HIGH BEAM RELAY OUTPUT
85	L3 18RD/OR ••	BEAM SELECT SWITCH HIGH BEAM OUTPUT
85	G34 20RD/GY •	HIGH BEAM INDICATOR DRIVER
86	L45 18PK/RD	FUSED B(+)
87	Z1 16BK	GROUND

- DRL
- EXCEPT DRL

**SECURITY
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	Z1 16BK	GROUND
85	G50 22RD/DB	SECURITY RELAY CONTROL
86	L34 20RD/OR	FUSED B(+)
87	L4 20VT/WT	BEAM SELECT SWITCH LOW BEAM OUTPUT
87A	-	-

**TRAILER
TOW
RELAY**

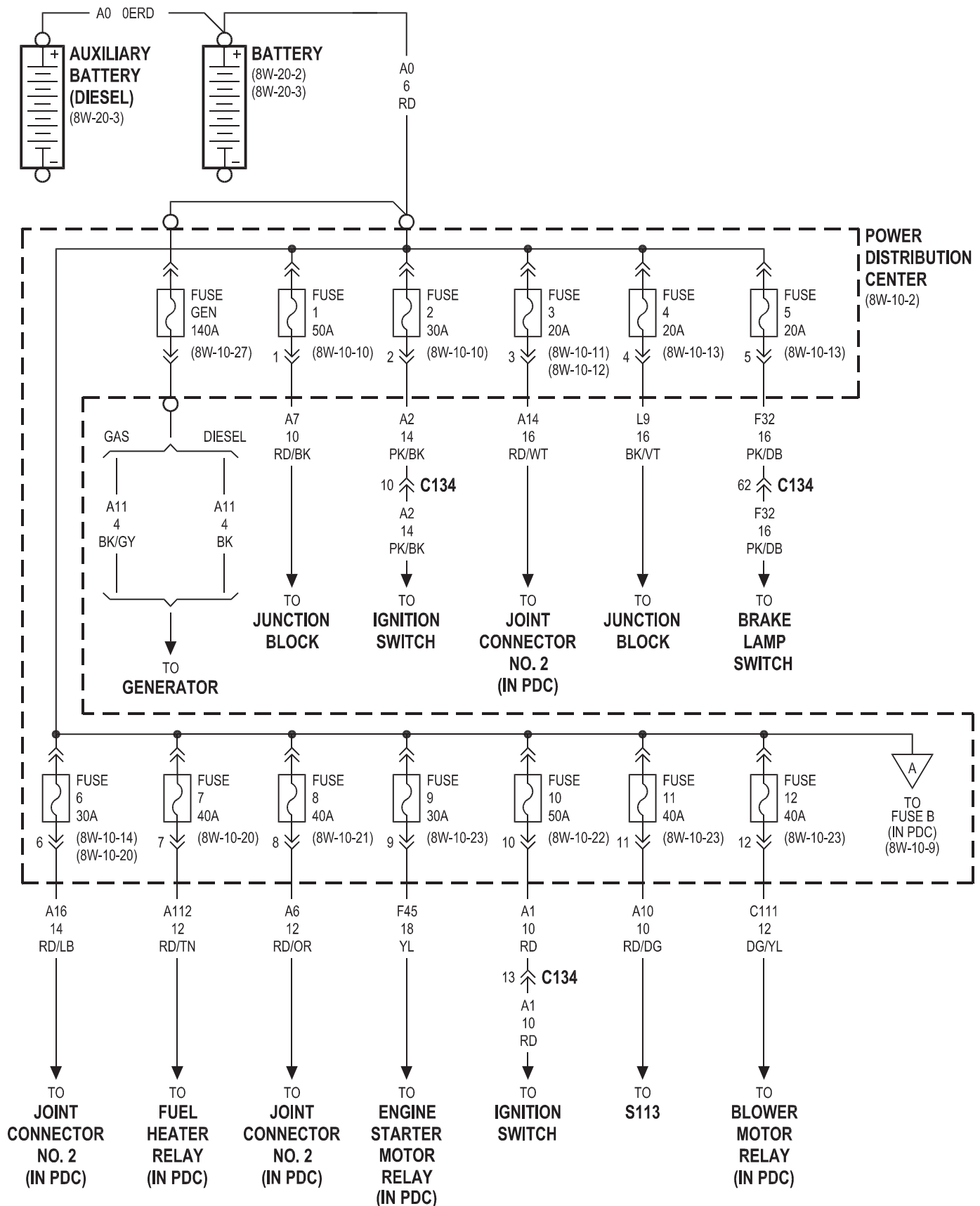
CAVITY	CIRCUIT	FUNCTION
30	A6 12RD/OR	FUSED B(+)
85	Z1 22BK	GROUND
86	L7 18BK/YL	PARK LAMP RELAY OUTPUT
87	L76 12BK/RD	TRAILER TOW RELAY OUTPUT
87A	-	-

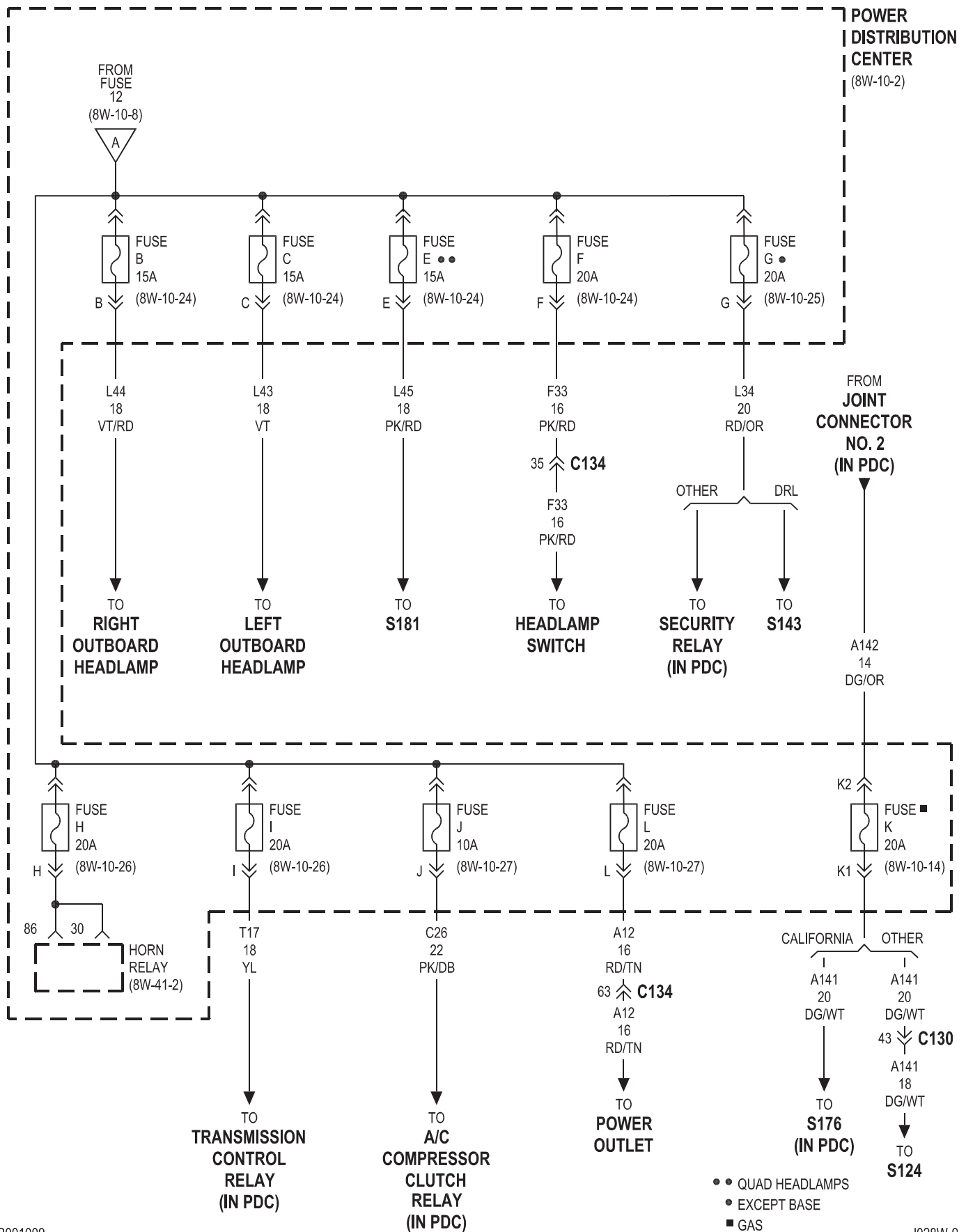
**TRANSMISSION
CONTROL
RELAY**

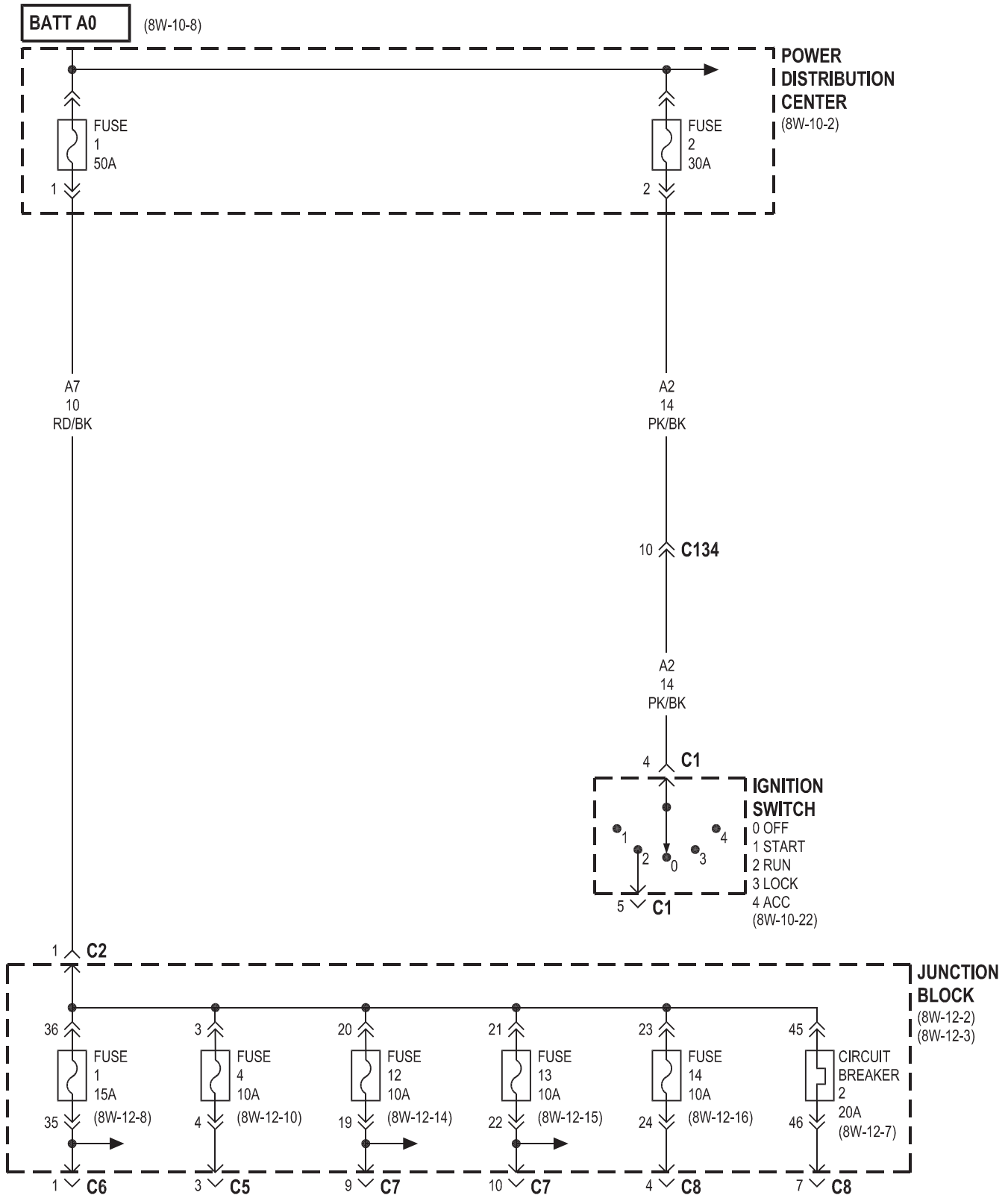
CAVITY	CIRCUIT	FUNCTION
30	T17 18YL	FUSED B(+)
85	K30 22PK	TRANSMISSION CONTROL RELAY CONTROL
86	T125 18DB	GENERATOR SOURCE
87	T16 18RD	TRANSMISSION CONTROL RELAY OUTPUT
87A	-	-

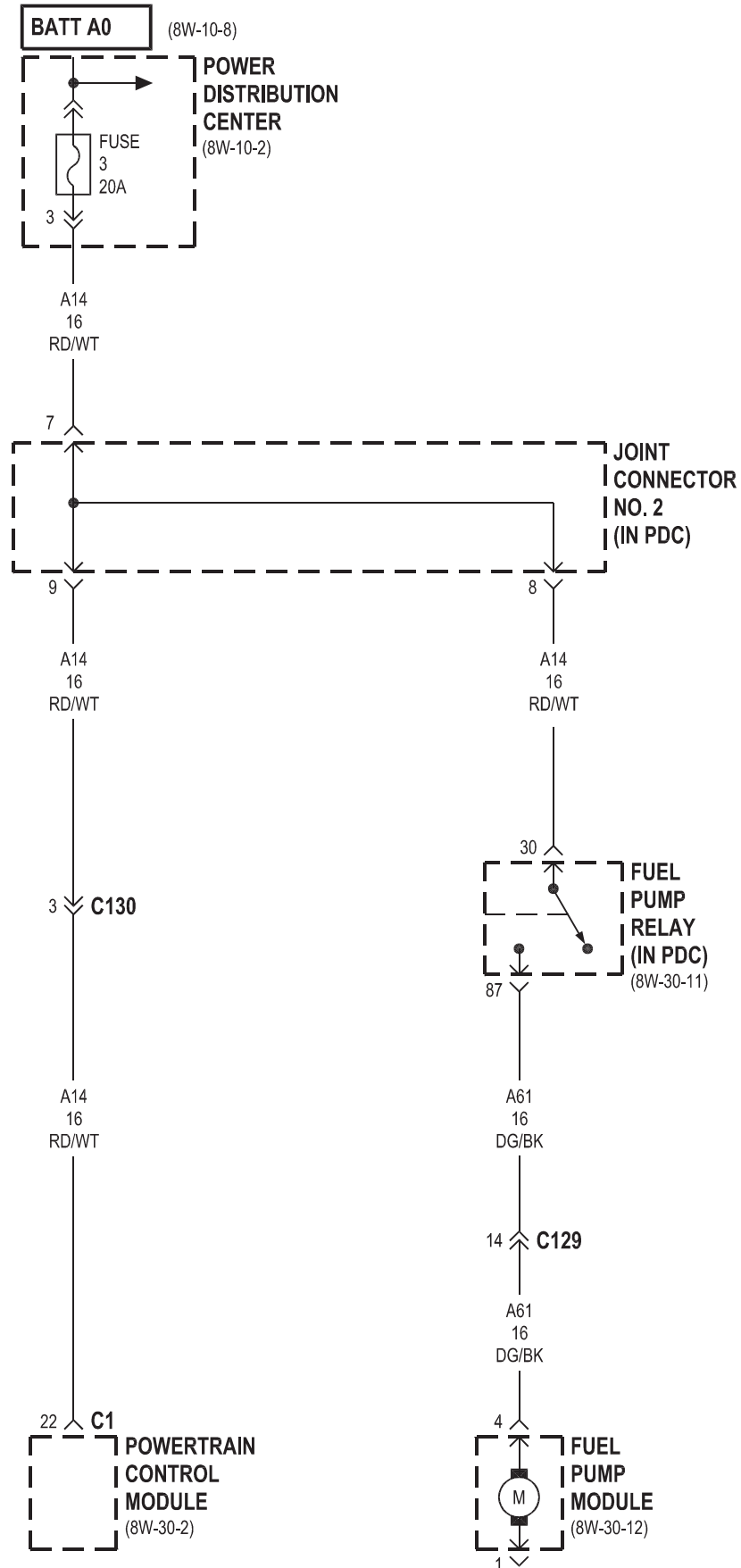
**WIPER
MOTOR
RELAY**

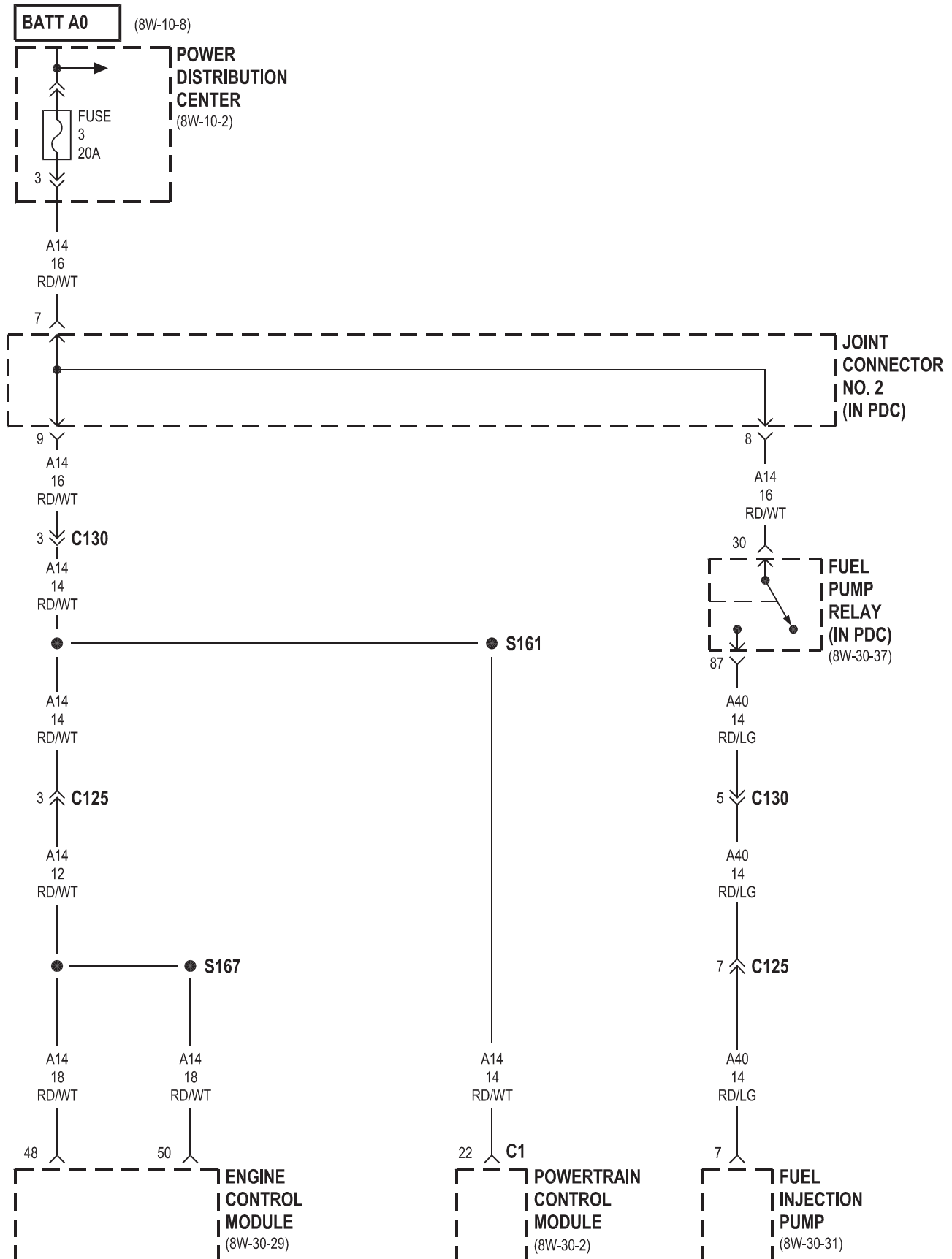
CAVITY	CIRCUIT	FUNCTION
30	V49 16RD/BK	DRIVER LOW SPEED WIPER MOTOR DRIVER
85	V18 22YL/DG	WIPER MOTOR RELAY CONTROL
86	V6 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
87	V6 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
87A	V5 16DG	WIPER PARK SWITCH SENSE

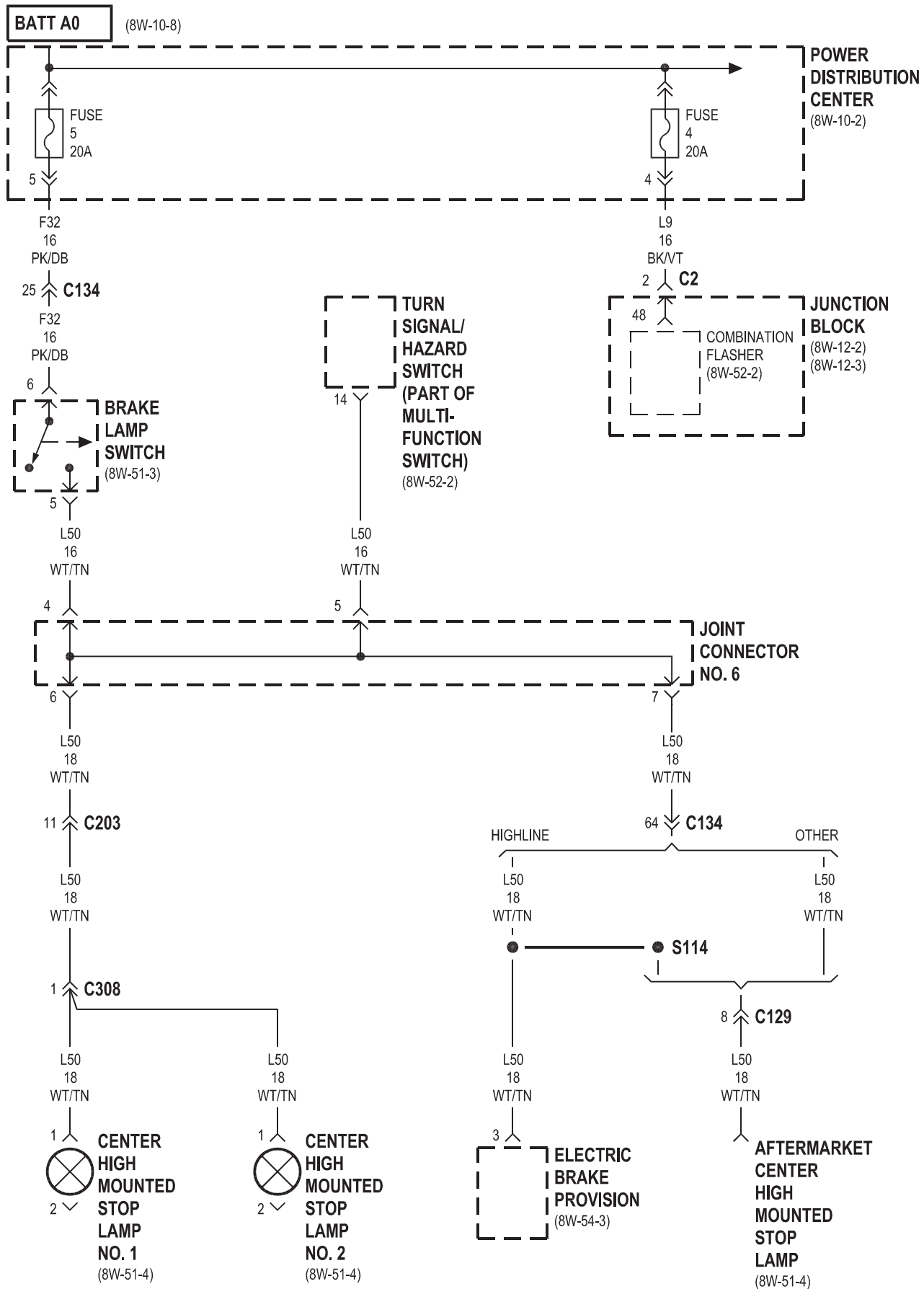


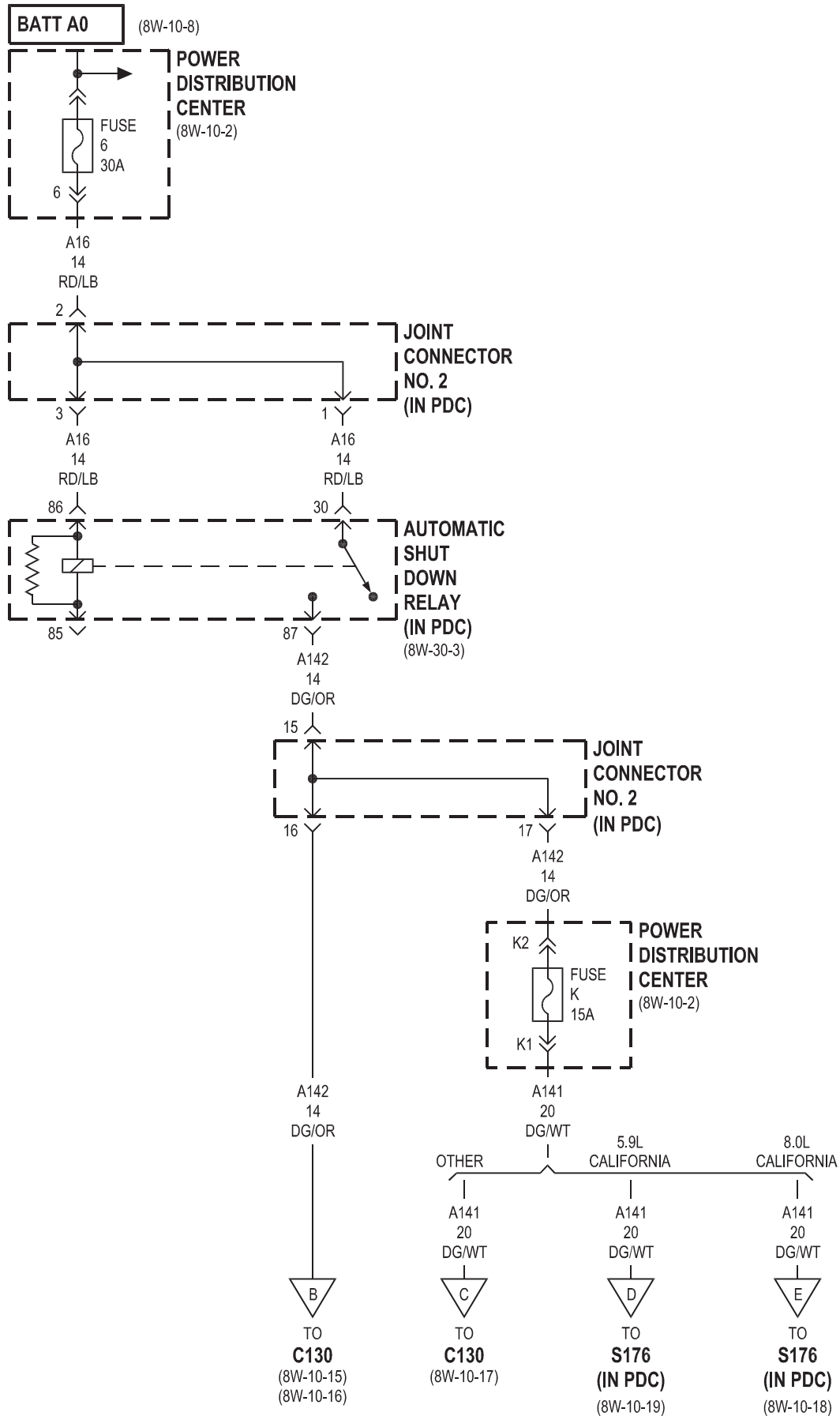




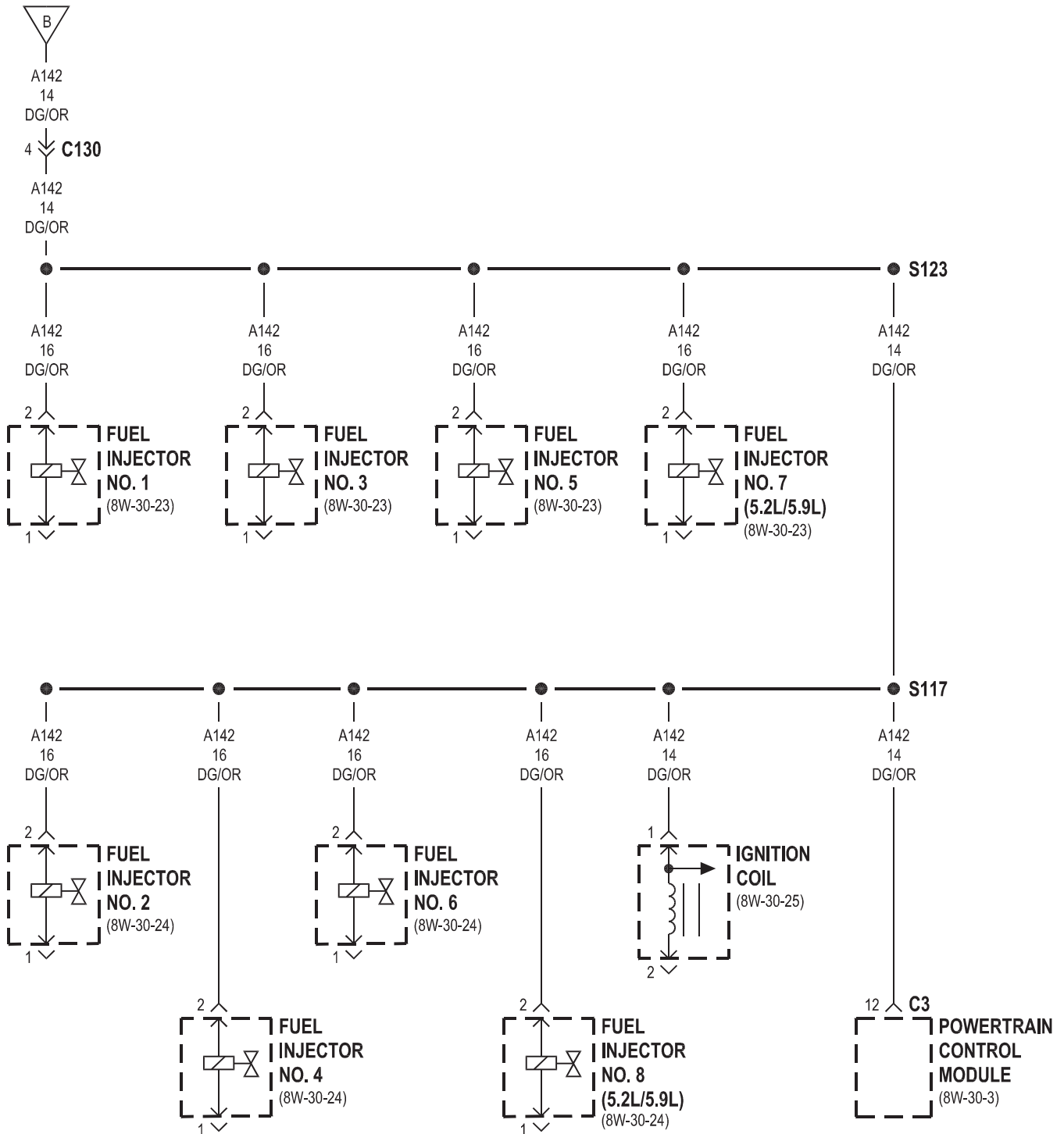




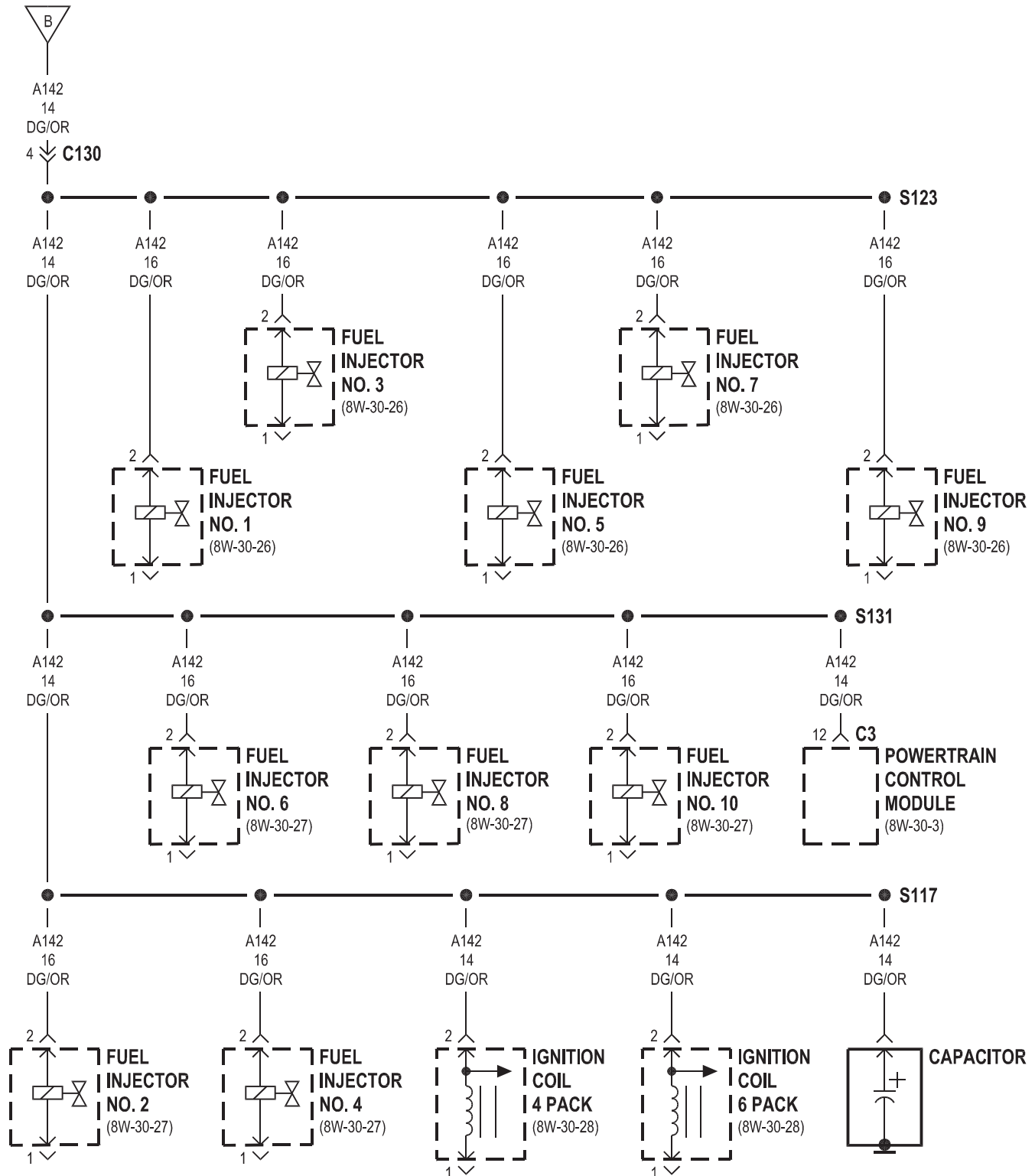


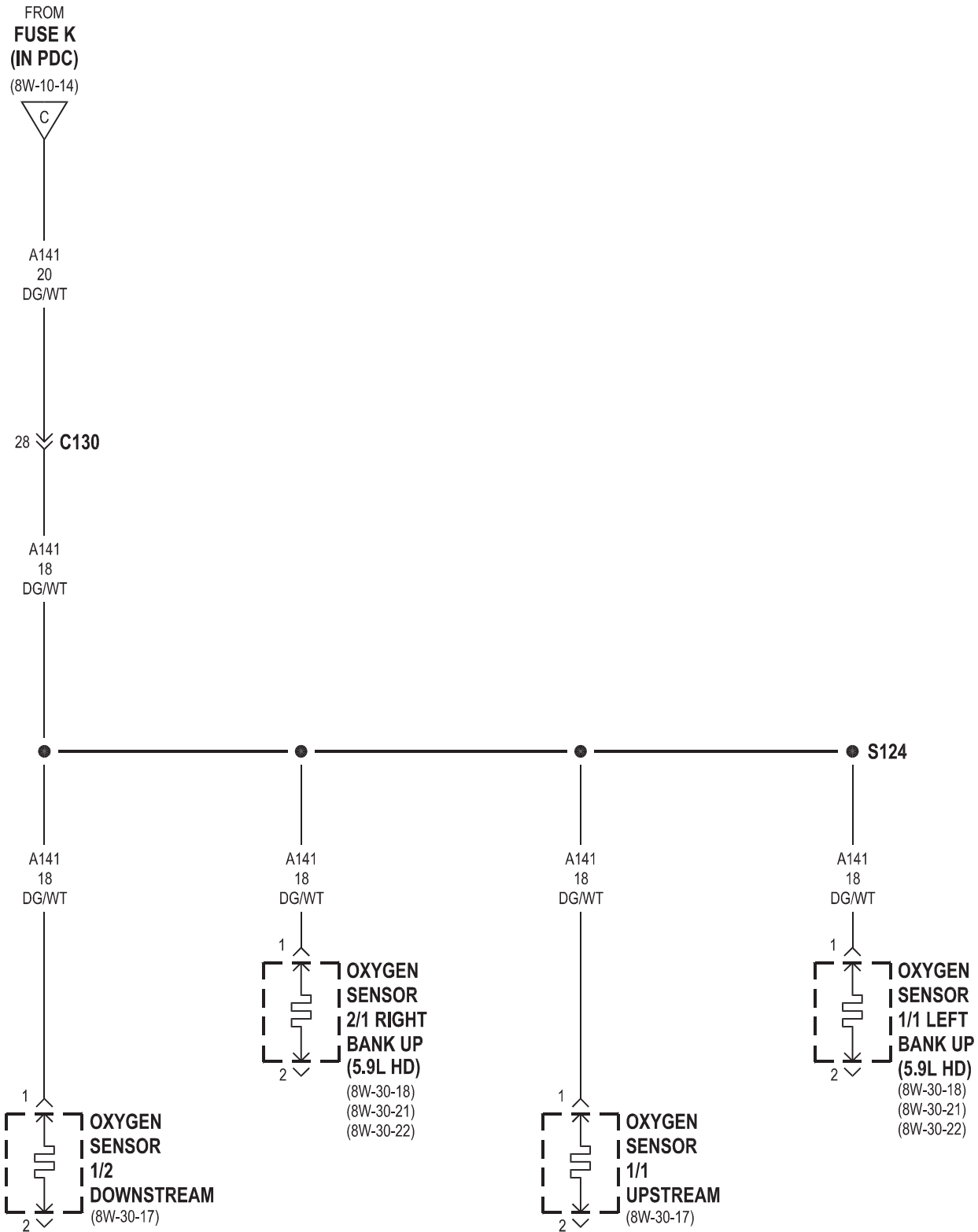


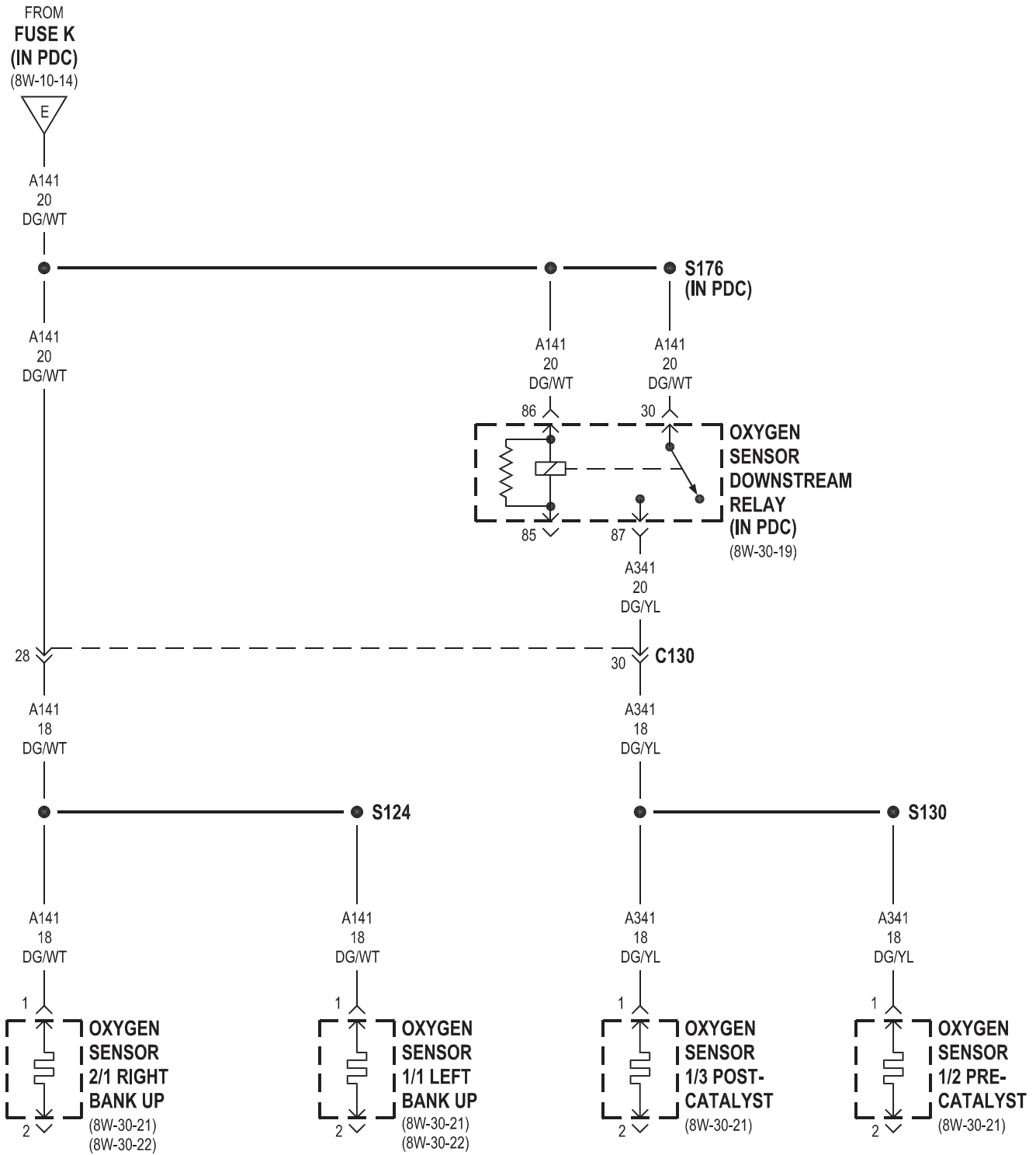
FROM
JOINT
CONNECTOR
NO. 2
(GAS)
(IN PDC)
(8W-10-14)
(8W-10-16)

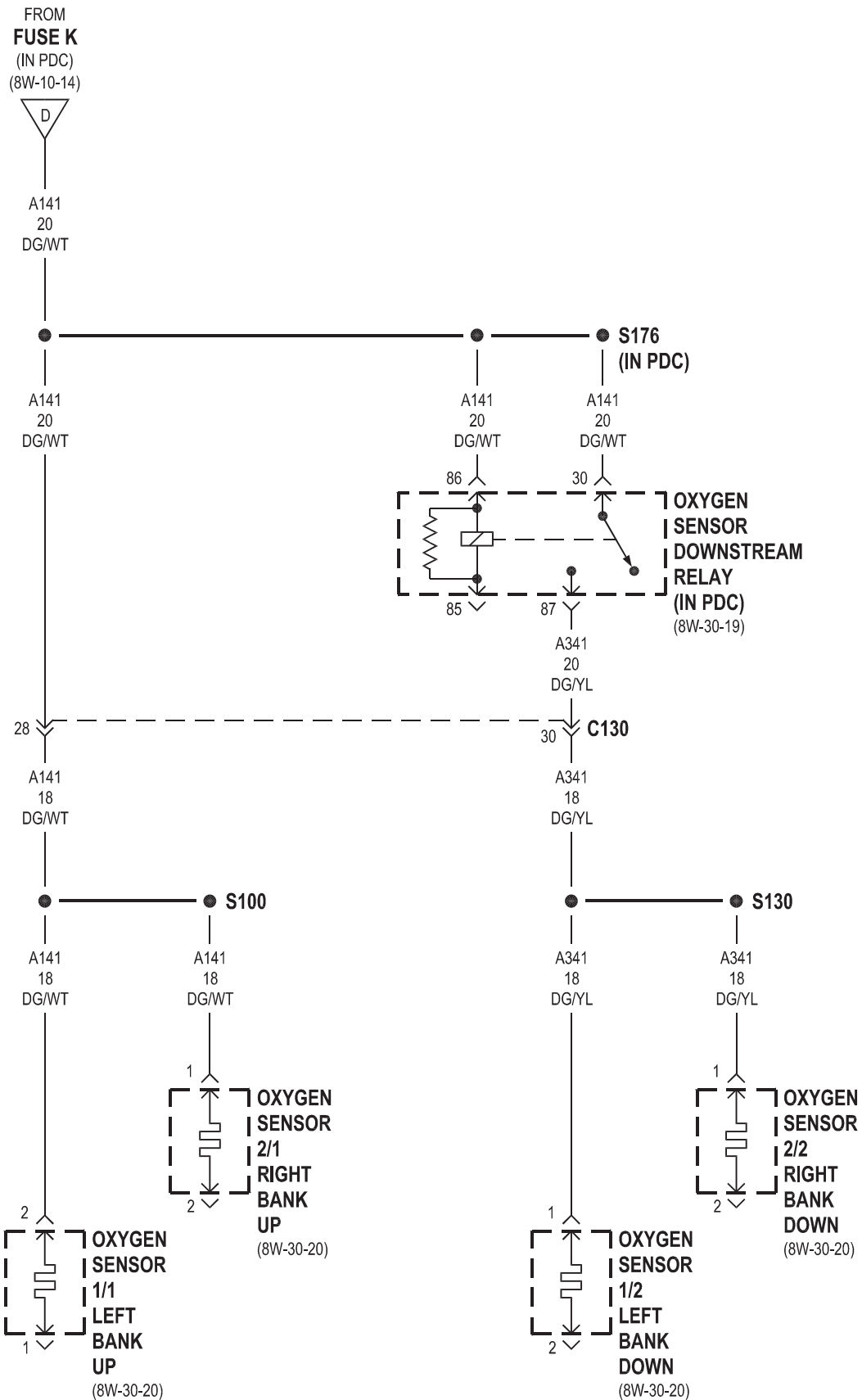


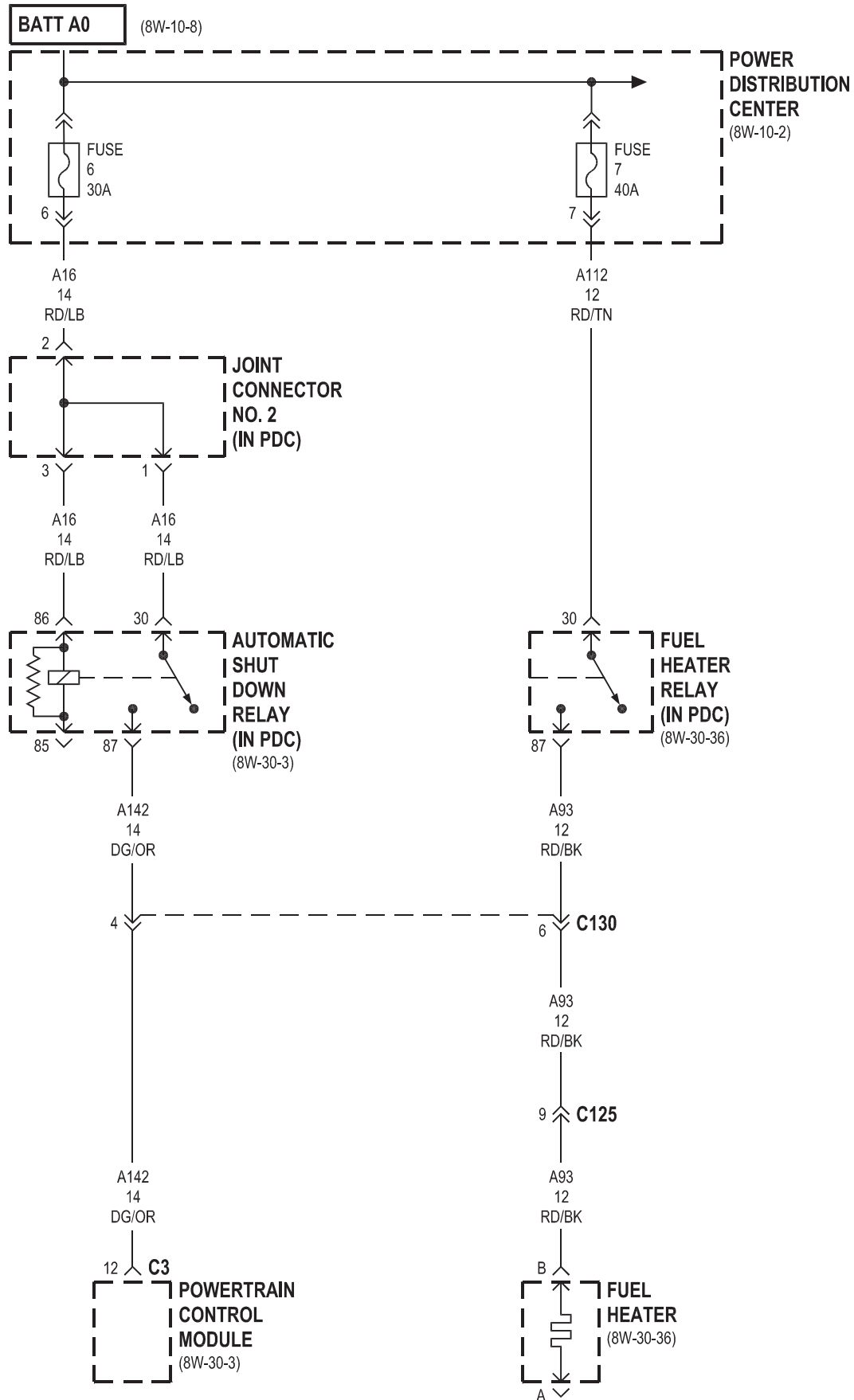
FROM
JOINT
CONNECTOR
NO. 2
(GAS)
(IN PDC)
(8W-10-14)
(8W-10-15)

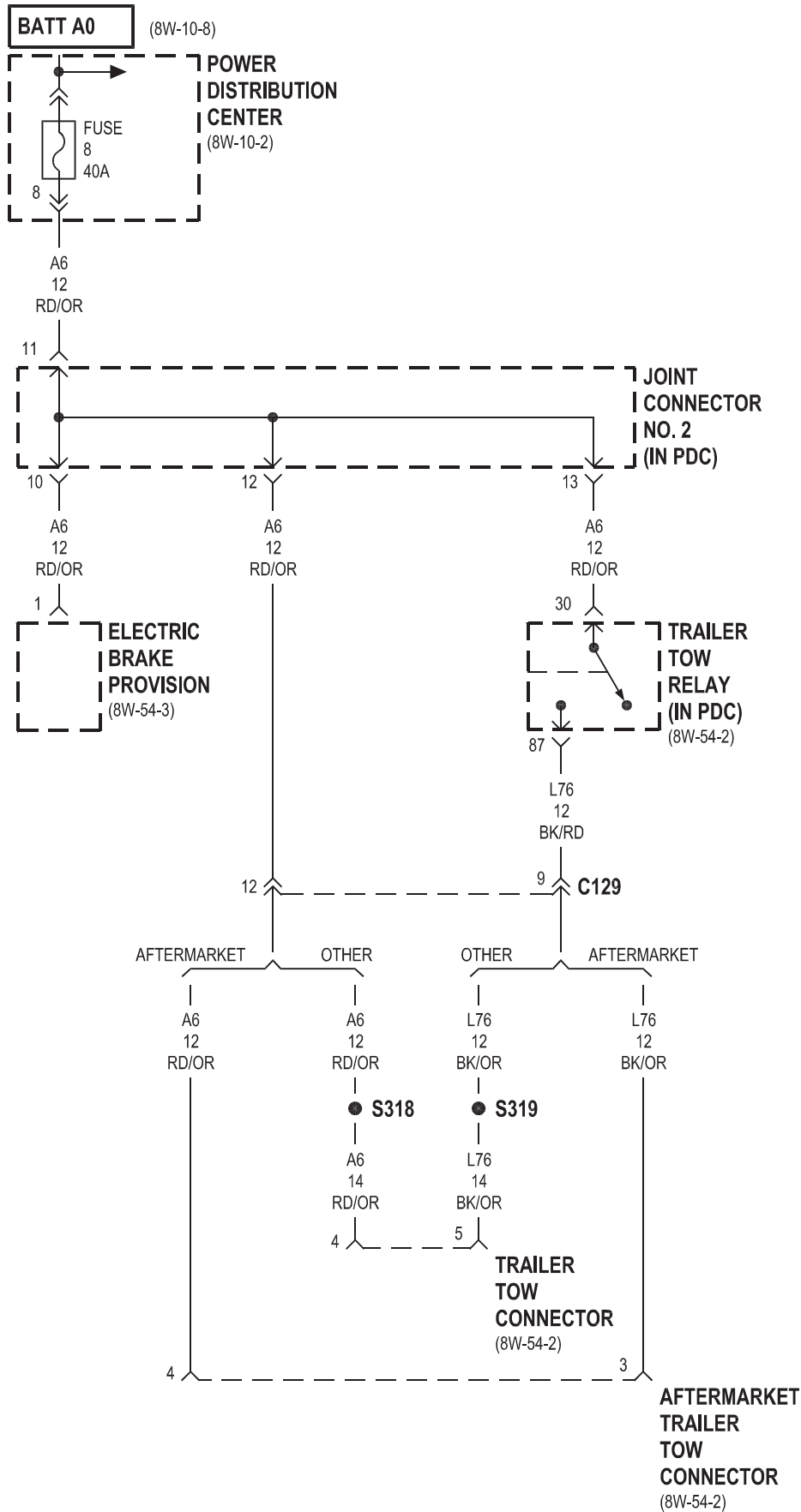


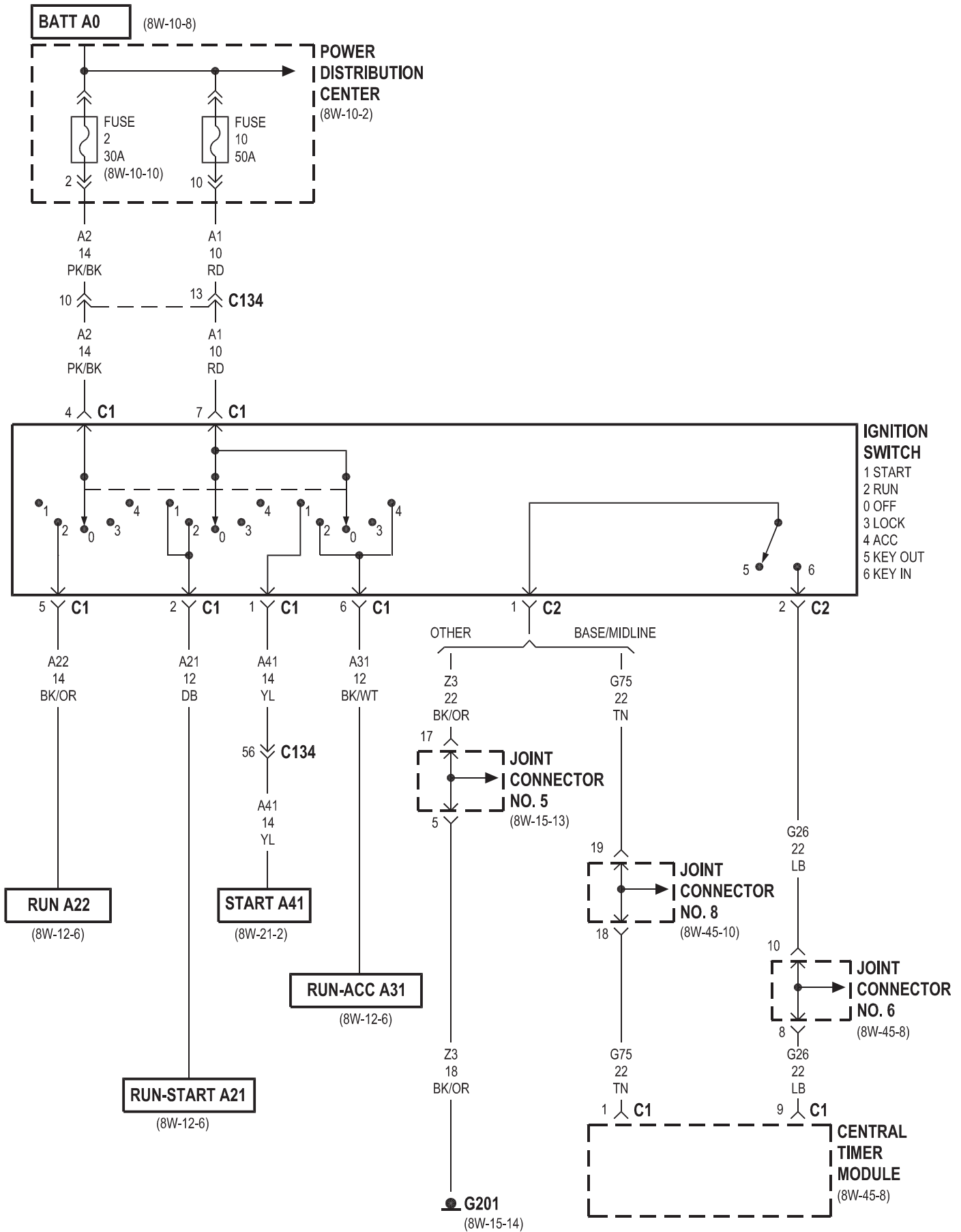


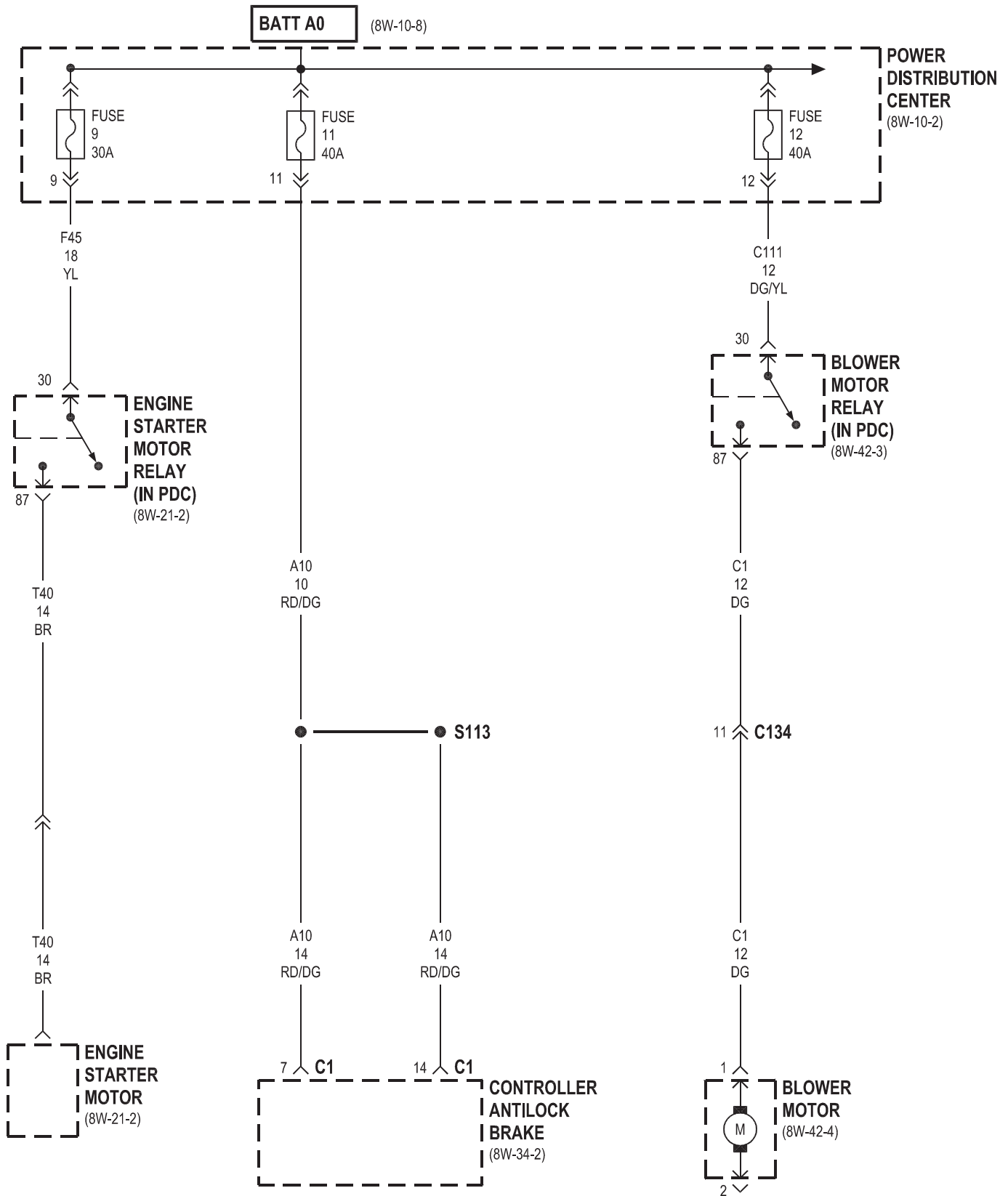


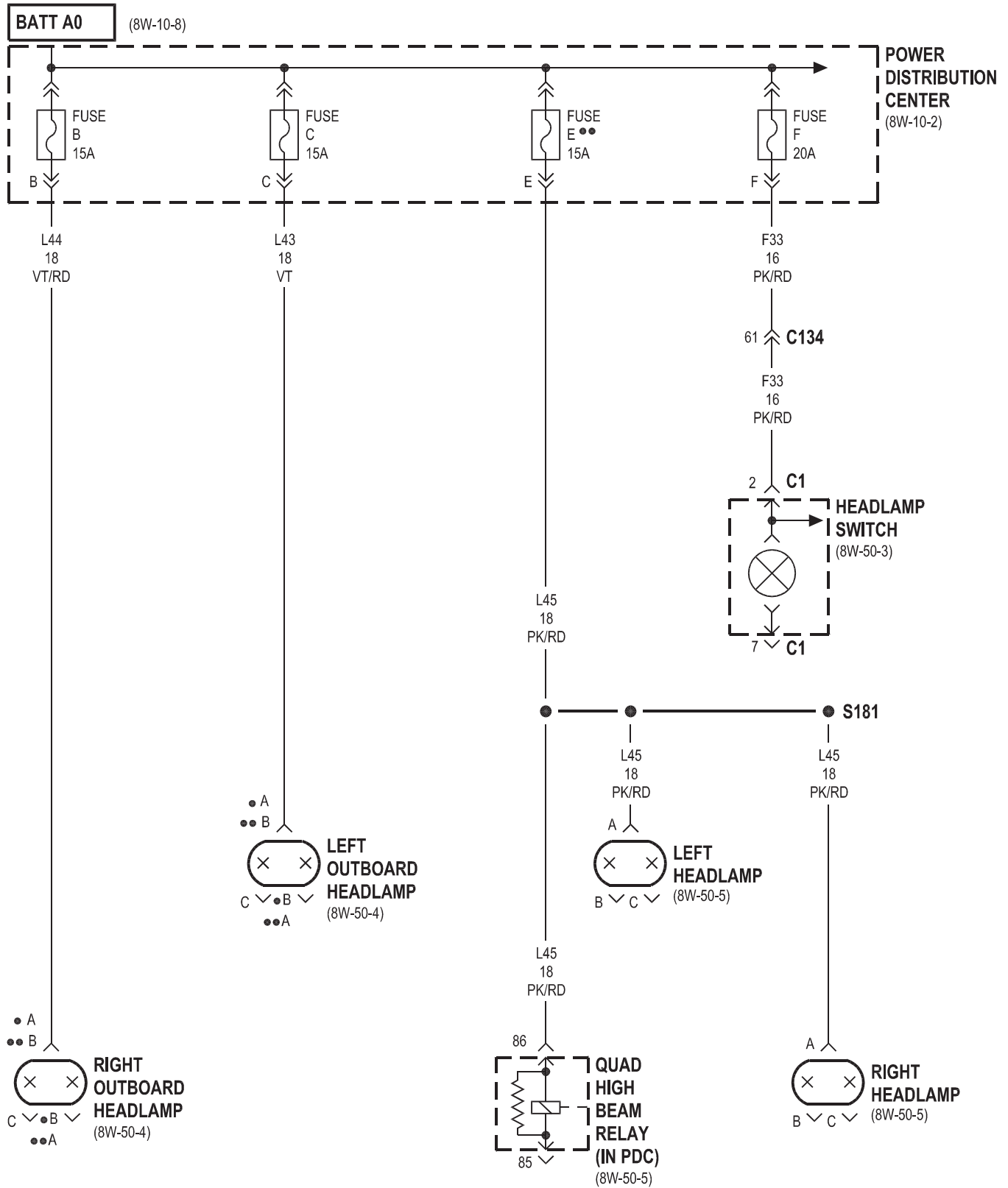




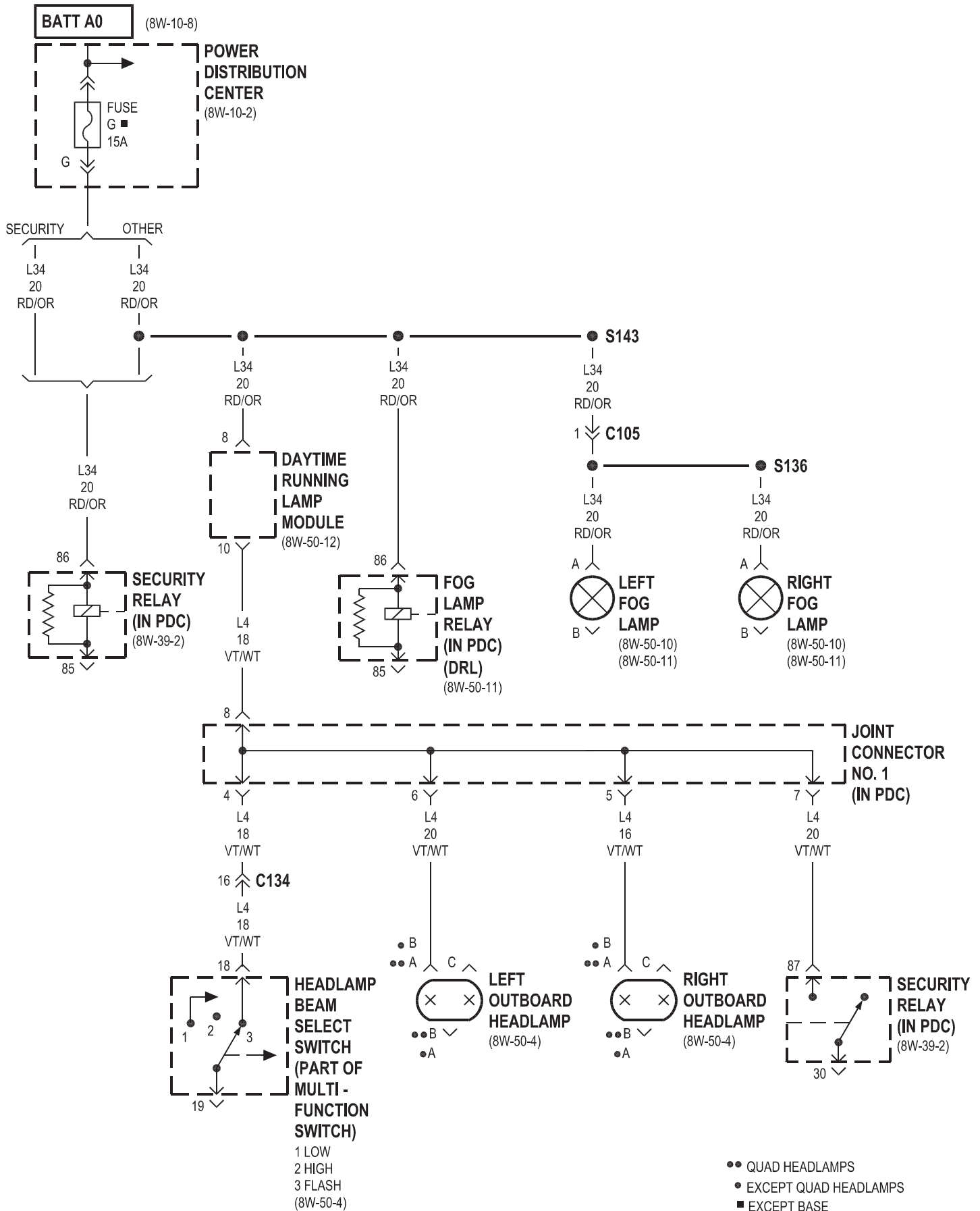








- EXCEPT QUAD HEADLAMPS
- QUAD HEADLAMPS

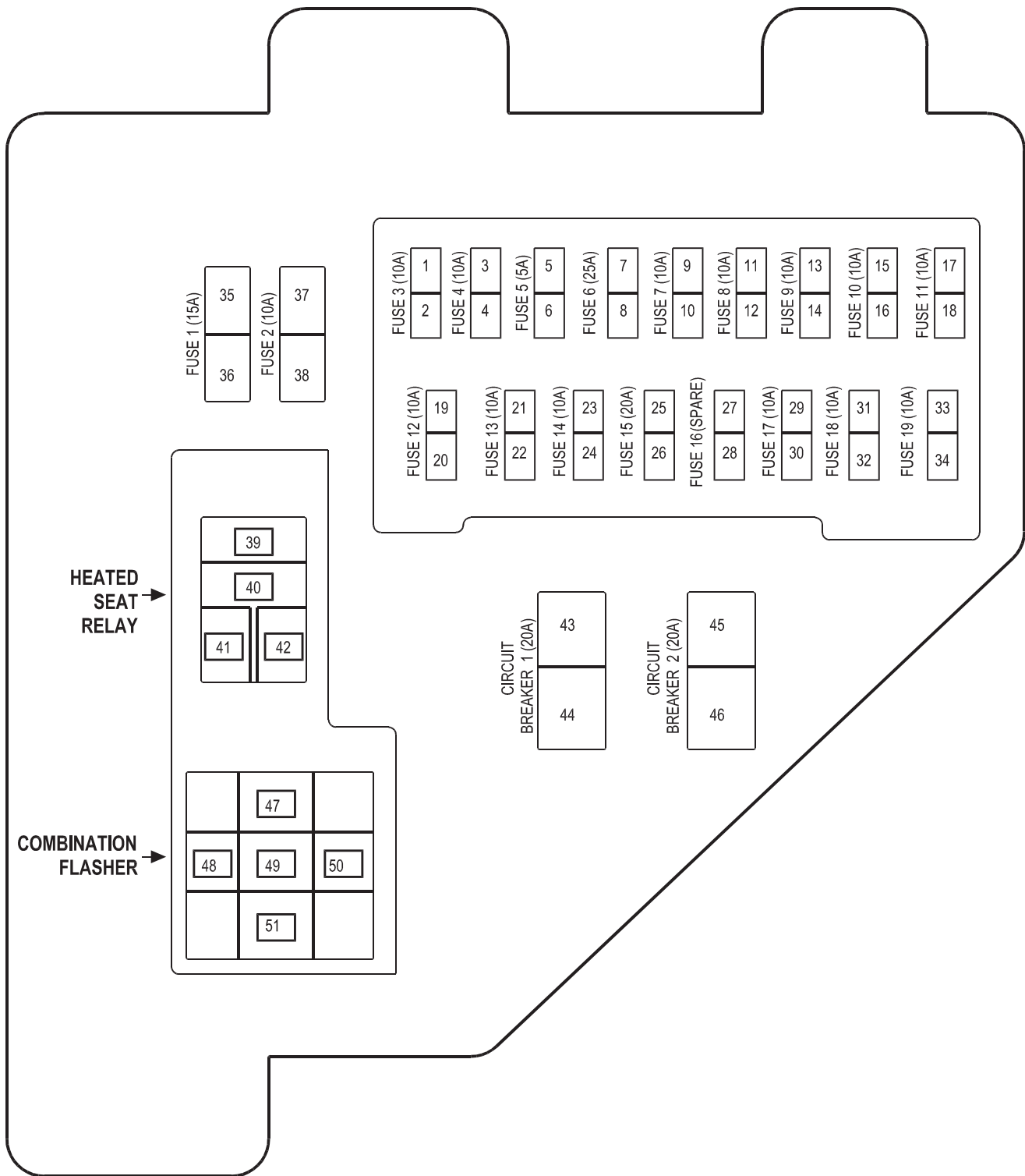




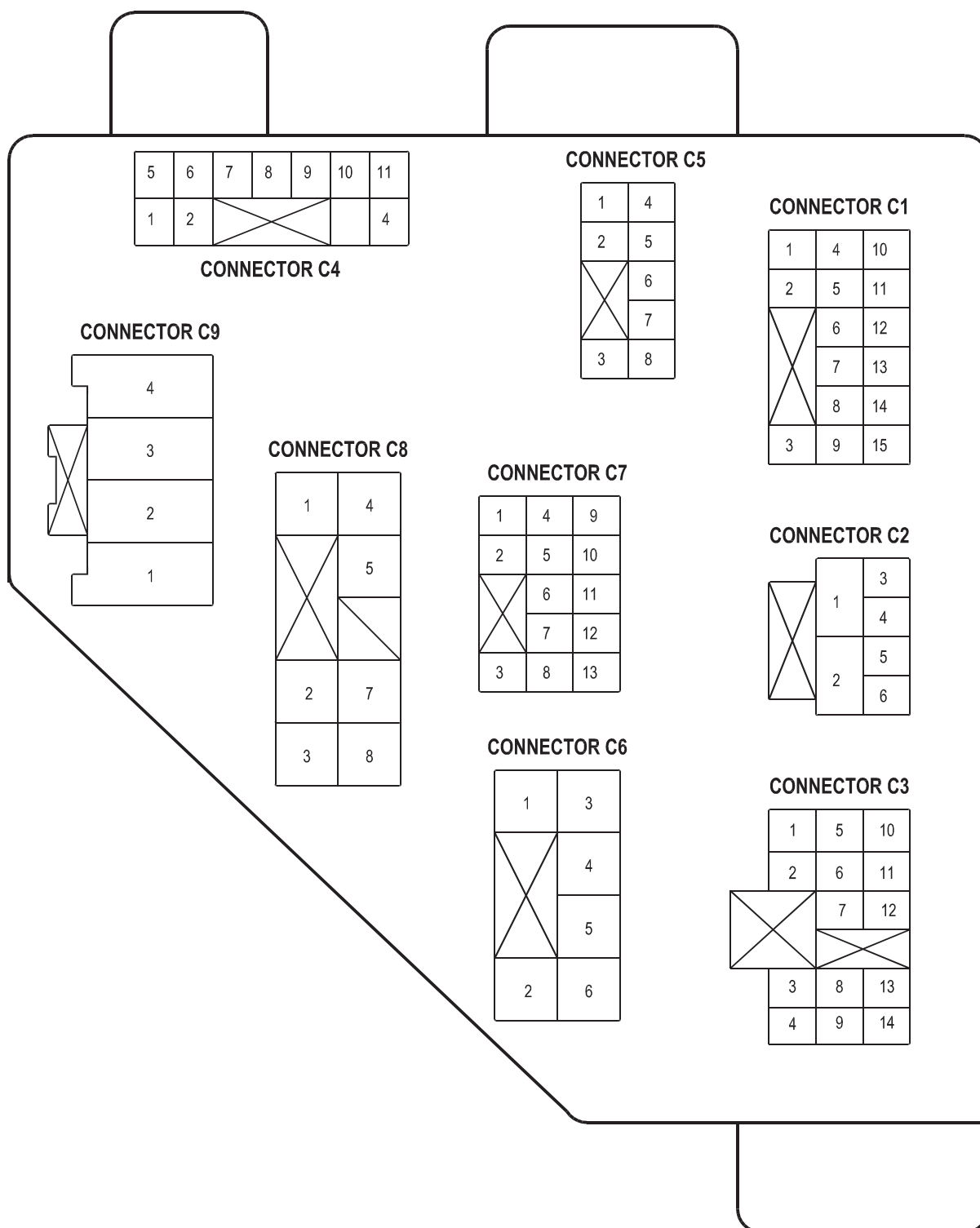


8W-12 JUNCTION BLOCK

Component	Page	Component	Page
A/C Compressor Clutch Relay	8W-12-13	Fuse 14 (JB)	8W-12-16
A/C Heater Temperature Select	8W-12-8	Fuse 15 (JB)	8W-12-6, 16
A/C-Heater Control	8W-12-9	Fuse 16 (JB)	8W-12-6, 16
Airbag Control Module	8W-12-17	Fuse 17 (JB)	8W-12-6, 17
Ambient Temperature Sensor	8W-12-19	Fuse 18 (JB)	8W-12-6, 17
Ash Receiver Lamp	8W-12-9	Fuse 19 (JB)	8W-12-6, 17
Automatic Day/Night Mirror	8W-12-13, 15, 21	G100	8W-12-18
Back-Up Lamp Switch	8W-12-11, 21	G200	8W-12-15, 19
Blend Door Actuator	8W-12-8	G201	8W-12-15, 18, 20
Blower Motor Relay	8W-12-8	Glove Box Lamp And Switch	8W-12-14
Cargo Lamp No. 1	8W-12-14	Headlamp Switch	8W-12-9
Cargo Lamp No. 2	8W-12-14	Heated Mirror Switch	8W-12-8
Central Timer Module	8W-12-8, 10, 13, 15	Heated Seat Relay	8W-12-8
Cigar Lighter	8W-12-16	Ignition Switch	8W-12-6, 20
Circuit Breaker 1	8W-12-6, 7	Instrument Cluster	8W-12-9, 16, 17, 18
Circuit Breaker 2	8W-12-7	Intermittent Wiper Switch	8W-12-10
Combination Flasher	8W-12-6, 12, 15, 20	Joint Connector No. 1	8W-12-11, 21
Controller Antilock Brake	8W-12-8	Joint Connector No. 5	8W-12-9, 14
Cup Holder Lamp	8W-12-9	Joint Connector No. 6	8W-12-10
Data Link Connector	8W-12-14	Joint Connector No. 8	8W-12-8, 9, 17
Daytime Running Lamp Module	8W-12-11	Junction Block	8W-12-2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21
Dome Lamp	8W-12-14	Left Park/Turn Signal Lamp	8W-12-18
Driver Door Window/Lock Switch	8W-12-7, 15	Left Visor/Vanity Lamp	8W-12-14, 15
Driver Heated Seat Switch	8W-12-8, 9	Overhead Console	8W-12-13, 14, 19, 21
Driver Power Seat Switch	8W-12-7	Park/Neutral Position Switch	8W-12-11, 21
Engine Control Module	8W-12-12	Passenger Airbag On/Off Switch	8W-12-17
EVAP/Purge Solenoid	8W-12-13	Passenger Door Window/Lock Switch	8W-12-7, 15
Fuel Heater Relay	8W-12-13	Passenger Heated Seat Switch	8W-12-8, 9
Fuel Pump Relay	8W-12-12	Passenger Power Seat Switch	8W-12-7
Fuse 1 (JB)	8W-12-8	Power Distribution Center	8W-12-16, 20
Fuse 1 (PDC)	8W-12-16	Power Mirror Switch	8W-12-14, 21
Fuse 2 (JB)	8W-12-6, 8	Powertrain Control Module	8W-12-12
Fuse 3 (JB)	8W-12-6, 8	Radio	8W-12-9, 11, 14
Fuse 4 (JB)	8W-12-10	Radio Choke Relay	8W-12-10
Fuse 4 (PDC)	8W-12-20	Right Park/Turn Signal Lamp	8W-12-18
Fuse 5 (JB)	8W-12-9	Right Visor/Vanity Lamp	8W-12-14, 15
Fuse 6 (JB)	8W-12-6, 10	Seat Heat Interface Module	8W-12-8
Fuse 7 (JB)	8W-12-6, 11	Turn Signal/Hazard Switch	8W-12-18, 20
Fuse 8 (JB)	8W-12-6, 11	Underhood Lamp	8W-12-14
Fuse 9 (JB)	8W-12-6, 11	Windshield Washer Pump	8W-12-10
Fuse 10 (JB)	8W-12-6, 12, 20	Wiper Motor	8W-12-10
Fuse 11 (JB)	8W-12-6, 13	Wiper Motor Relay	8W-12-10
Fuse 12 (JB)	8W-12-14		
Fuse 13 (JB)	8W-12-15		



JUNCTION BLOCK
(REAR VIEW)



FUSES

FUSE NO.	AMPS	FUSED CIRCUIT	FUNCTION
1	15A	INTERNAL	FUSED B(+)
2	10A	F15 18DB	FUSED IGNITION SWITCH OUTPUT (RUN)
3	10A	A20 20RD/DB	FUSED IGNITION SWITCH OUTPUT (RUN)
4	10A	X60 16DG/RD	RADIO 12V OUTPUT
5	5A	E2 22OR	FUSED PANEL LAMPS DIMMER SWITCH SIGNAL
6	25A	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
7	10A	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
8	10A	X12 16RD/WT	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
9	10A	F18 20LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
10	10A	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
11	10A	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
12	10A	INTERNAL	FUSED B(+)
13	10A	INTERNAL	FUSED B(+)
14	10A	F73 20YL	FUSED B(+)
15	20A	F30 18RD/OR	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
16	-	-	-
17	10A	G5 22DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
18	10A	F23 18DB/YL	FUSED IGNITION SWITCH OUTPUT (RUN)
19	10A	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)

CIRCUIT BREAKERS

C.B. NO.	AMPS	CIRCUIT	FUNCTION
1	20A	F21 14TN	FUSED IGNITION SWITCH OUTPUT (RUN)
2	20A	F37 16RD/LB	FUSED B(+)

**COMBINATION
FLASHER**

CAV	CIRCUIT	FUNCTION
47	L6 16RD/GY	FLASHER OUTPUT
48	L9 16BK/VT	FUSED FLASHER FEED
49	L19 16PK	HAZARD FLASHER SIGNAL
50	INTERNAL	GROUND
51	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)

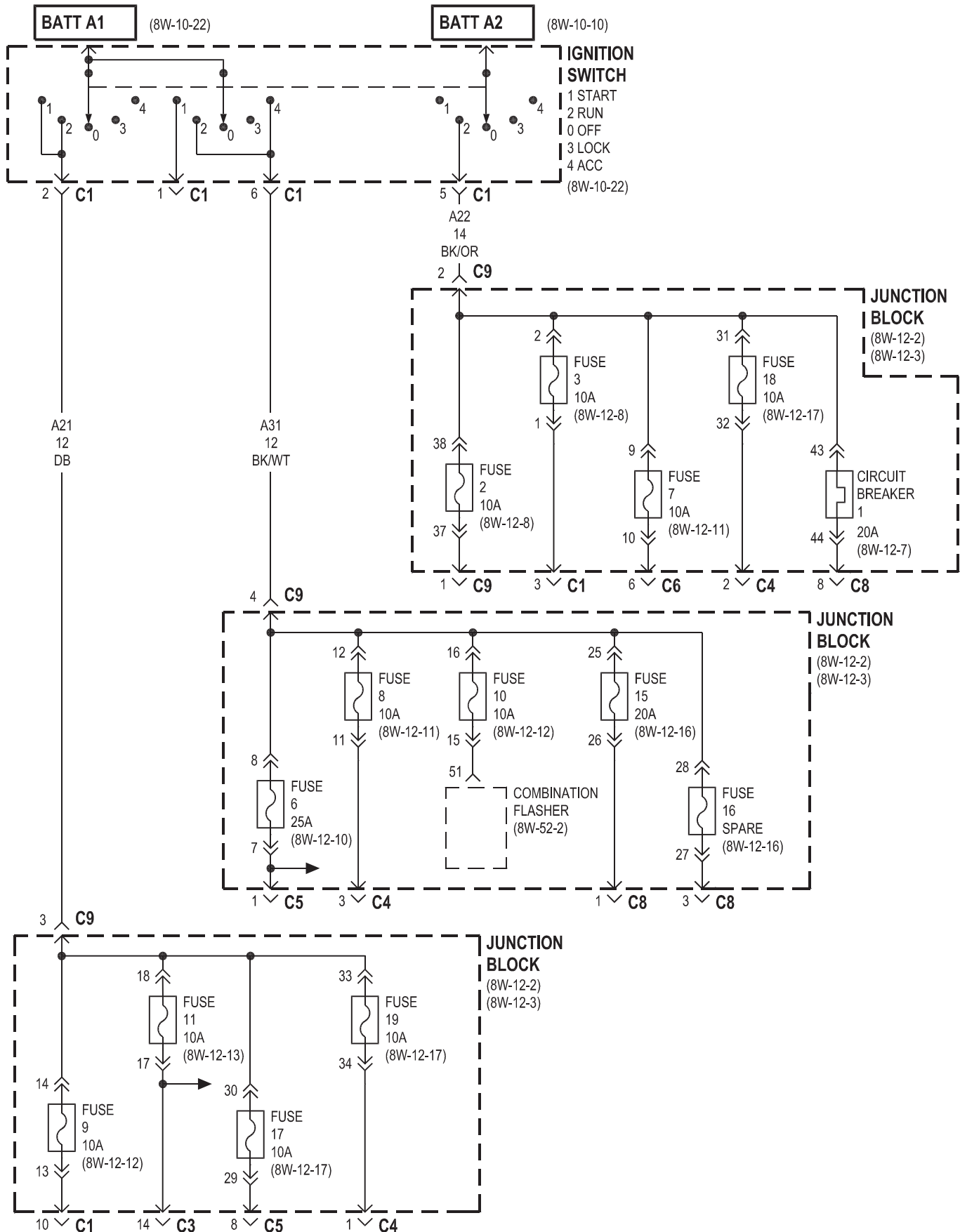
**HEATED
SEAT
RELAY**

CAV	CIRCUIT	FUNCTION
39	INTERNAL	FUSED B(+)
40	F235 16RD	HEATED SEAT RELAY OUTPUT
41	A35 16DB	FUSED B(+)
42	P132 16OR/BK	HEATED SEAT ENABLE

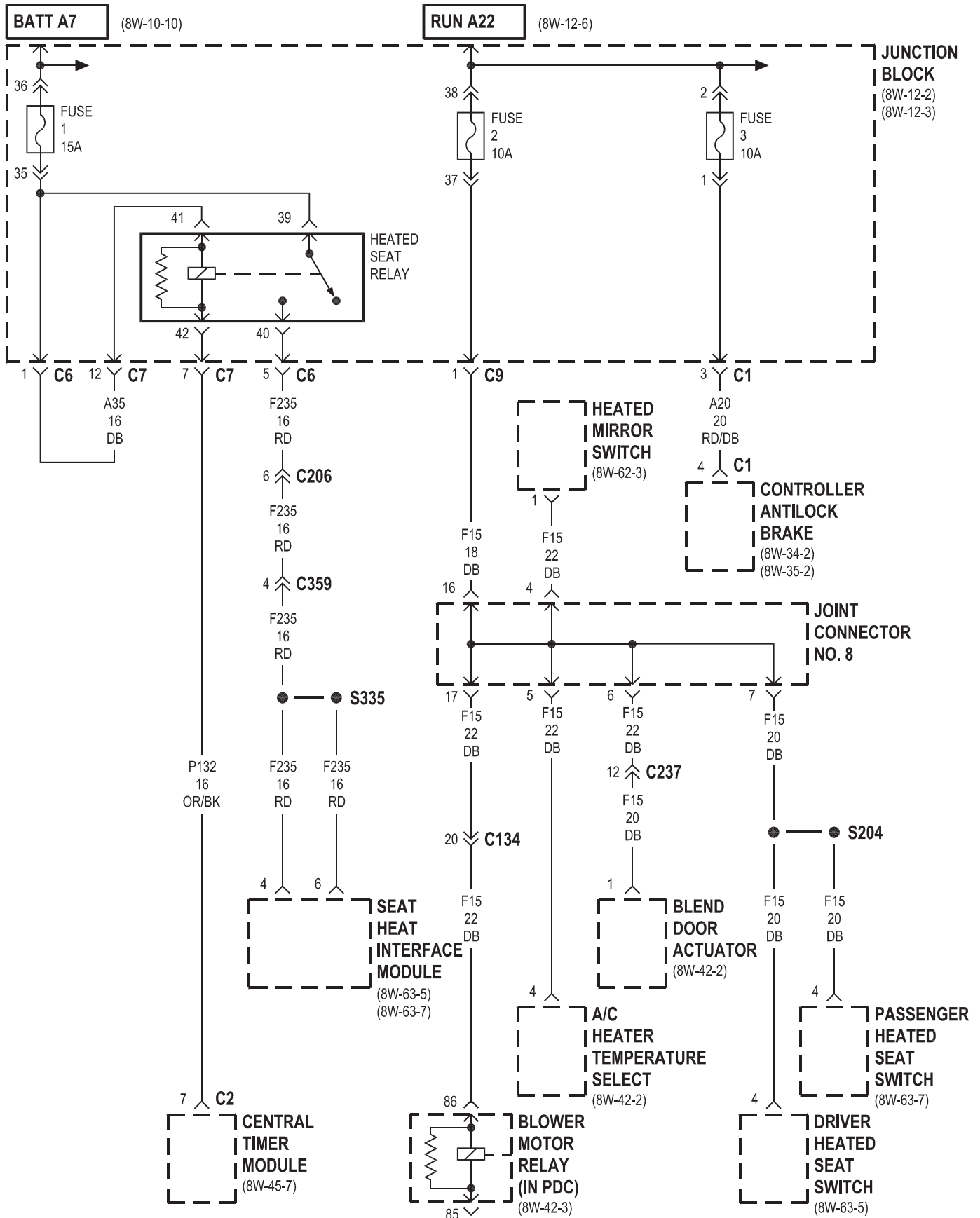
8W - 12 - 6

8W-12 JUNCTION BLOCK

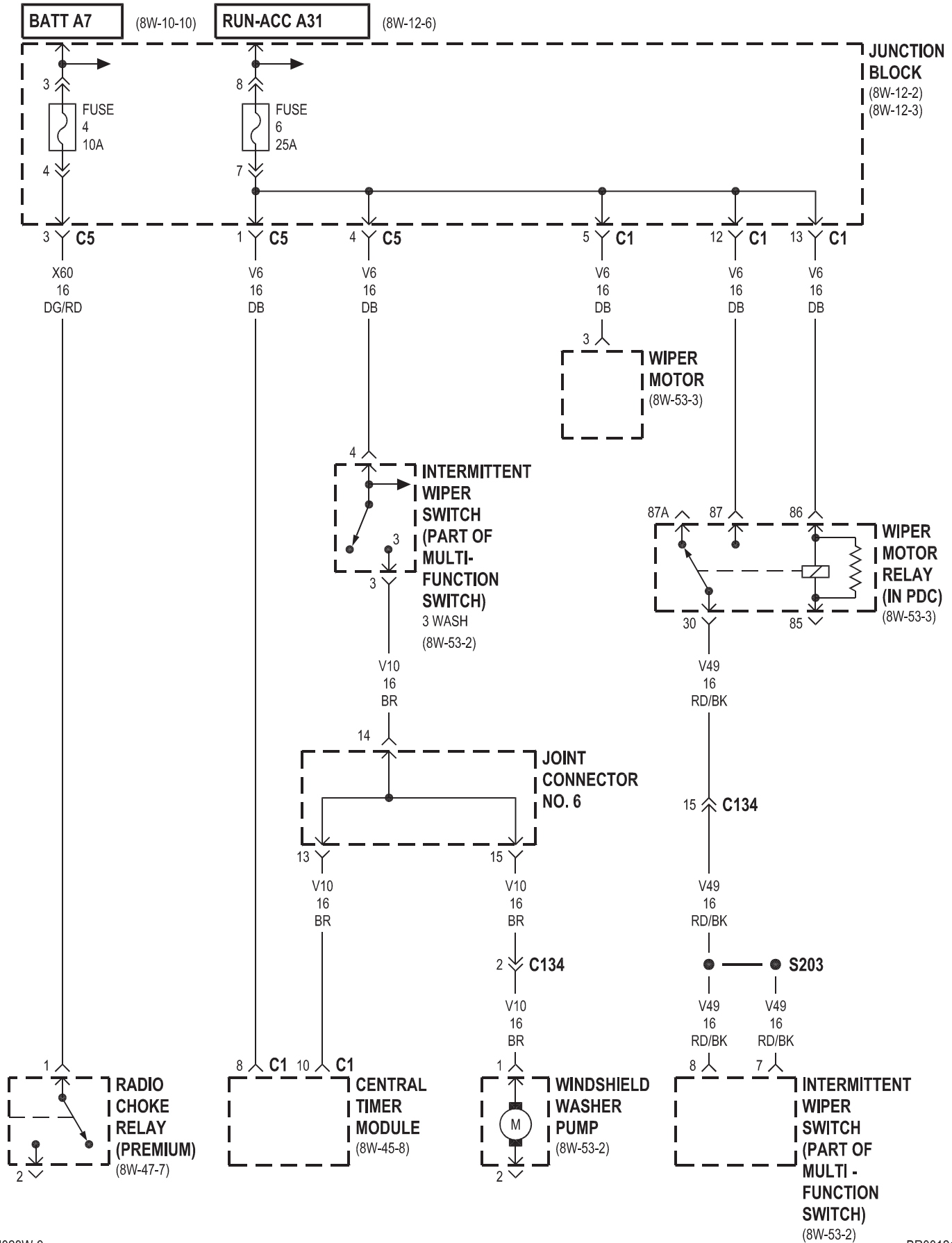
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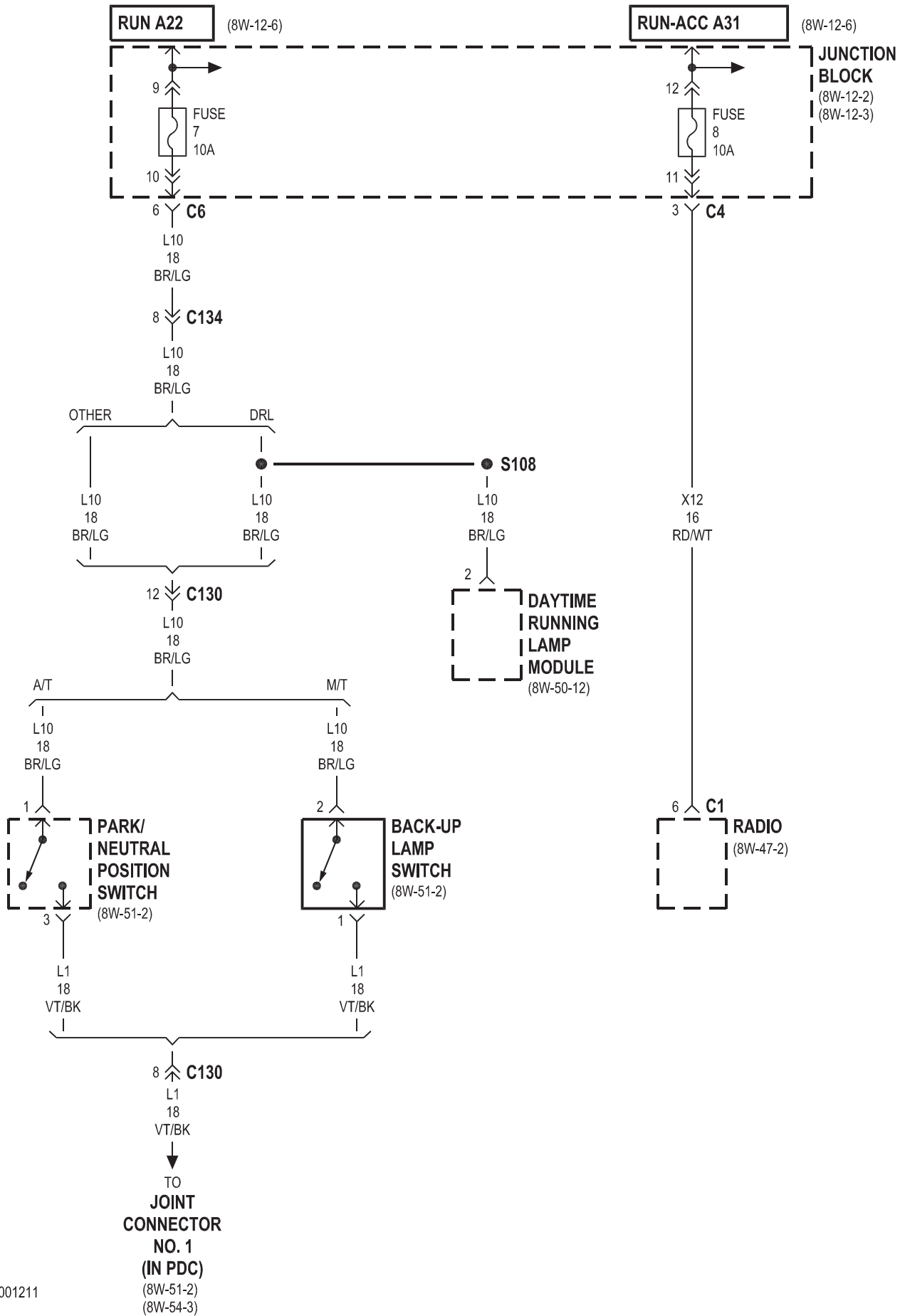




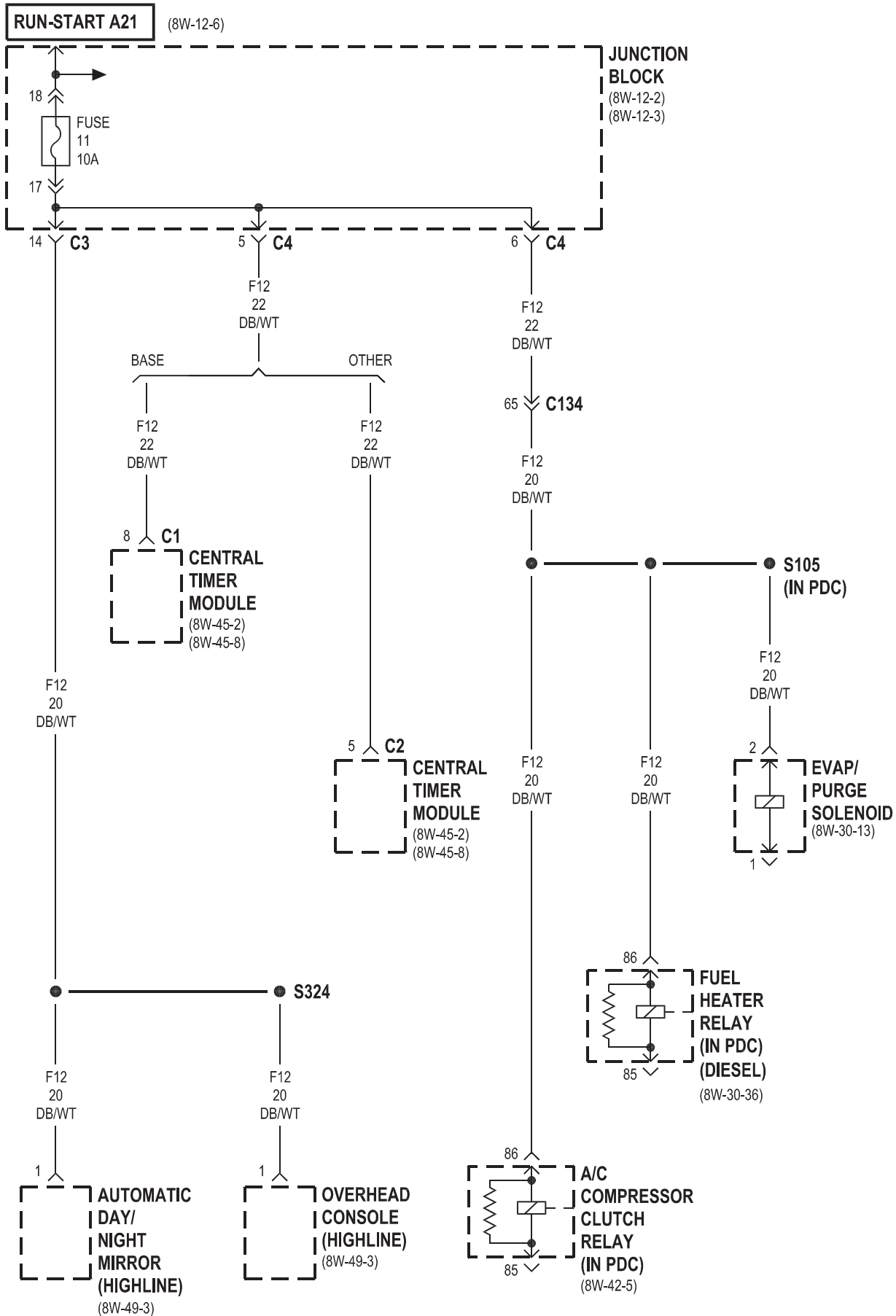




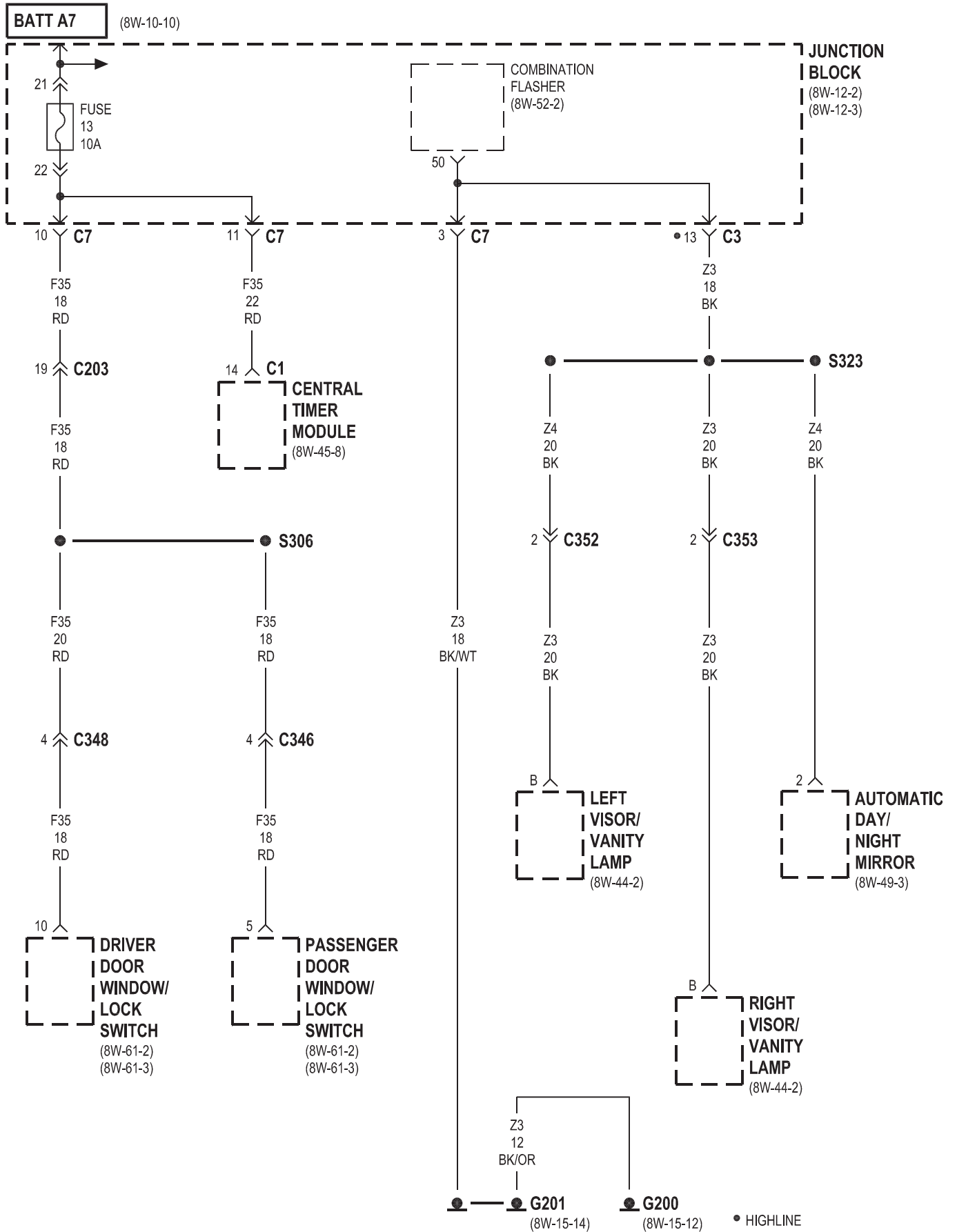


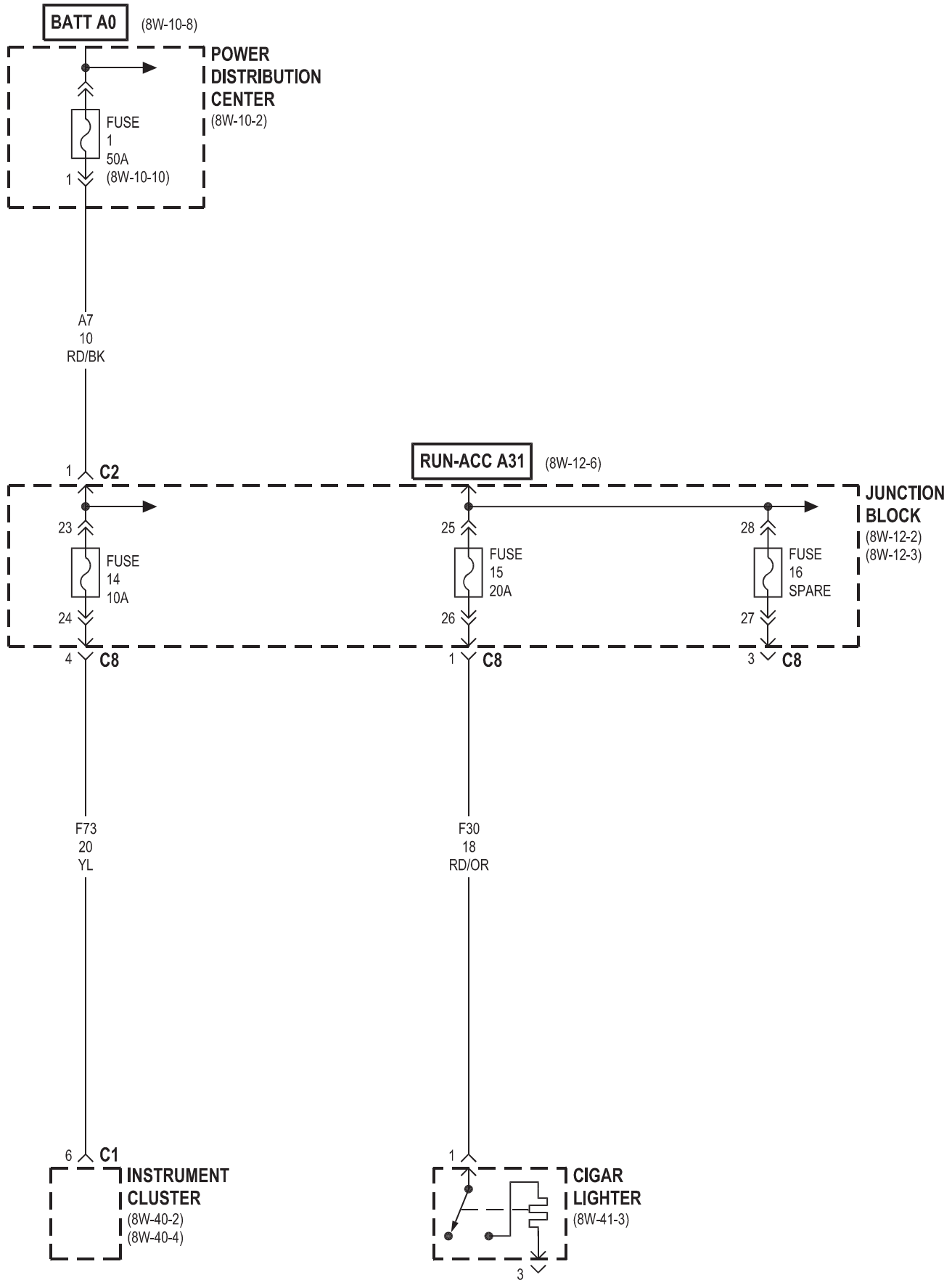


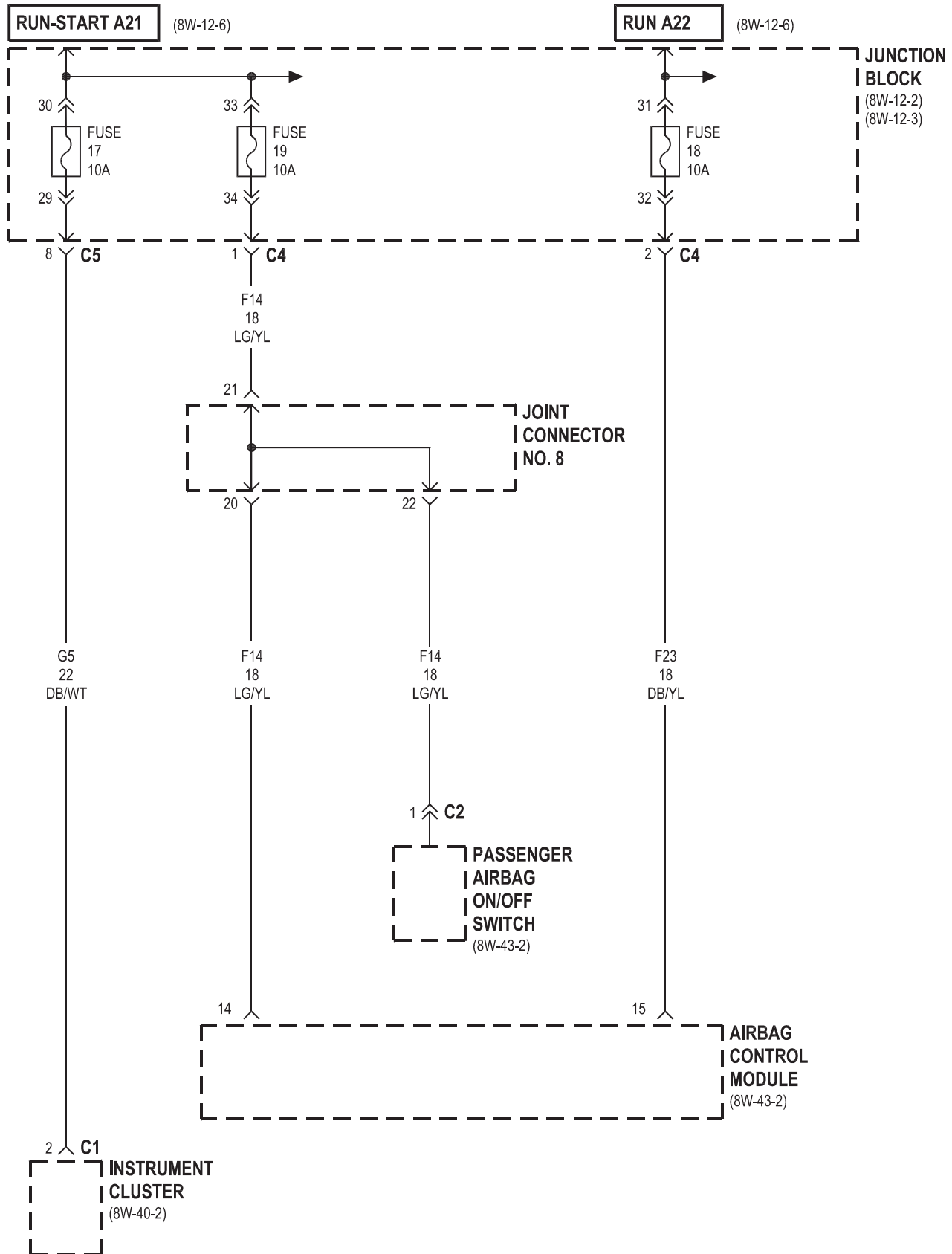


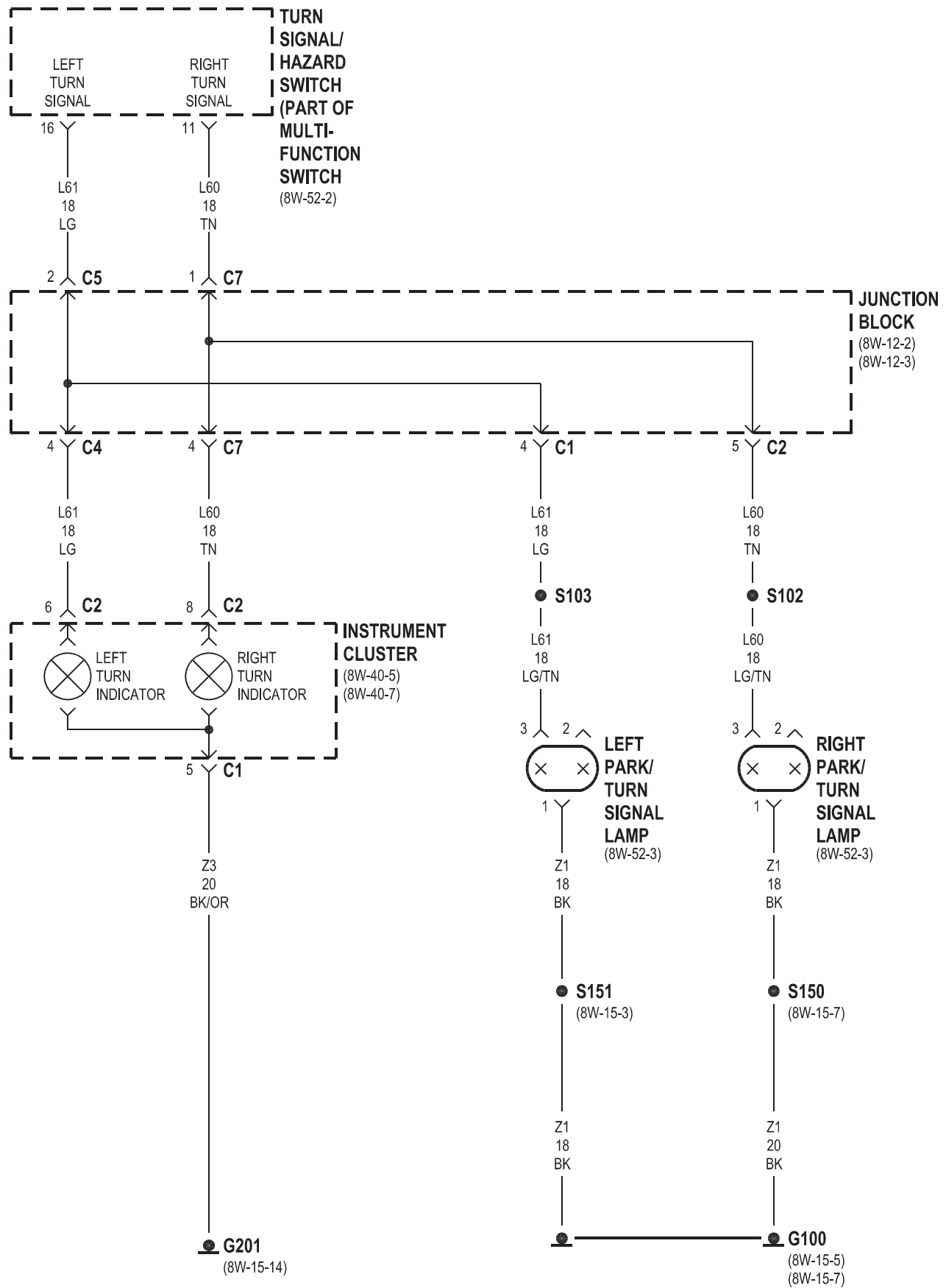


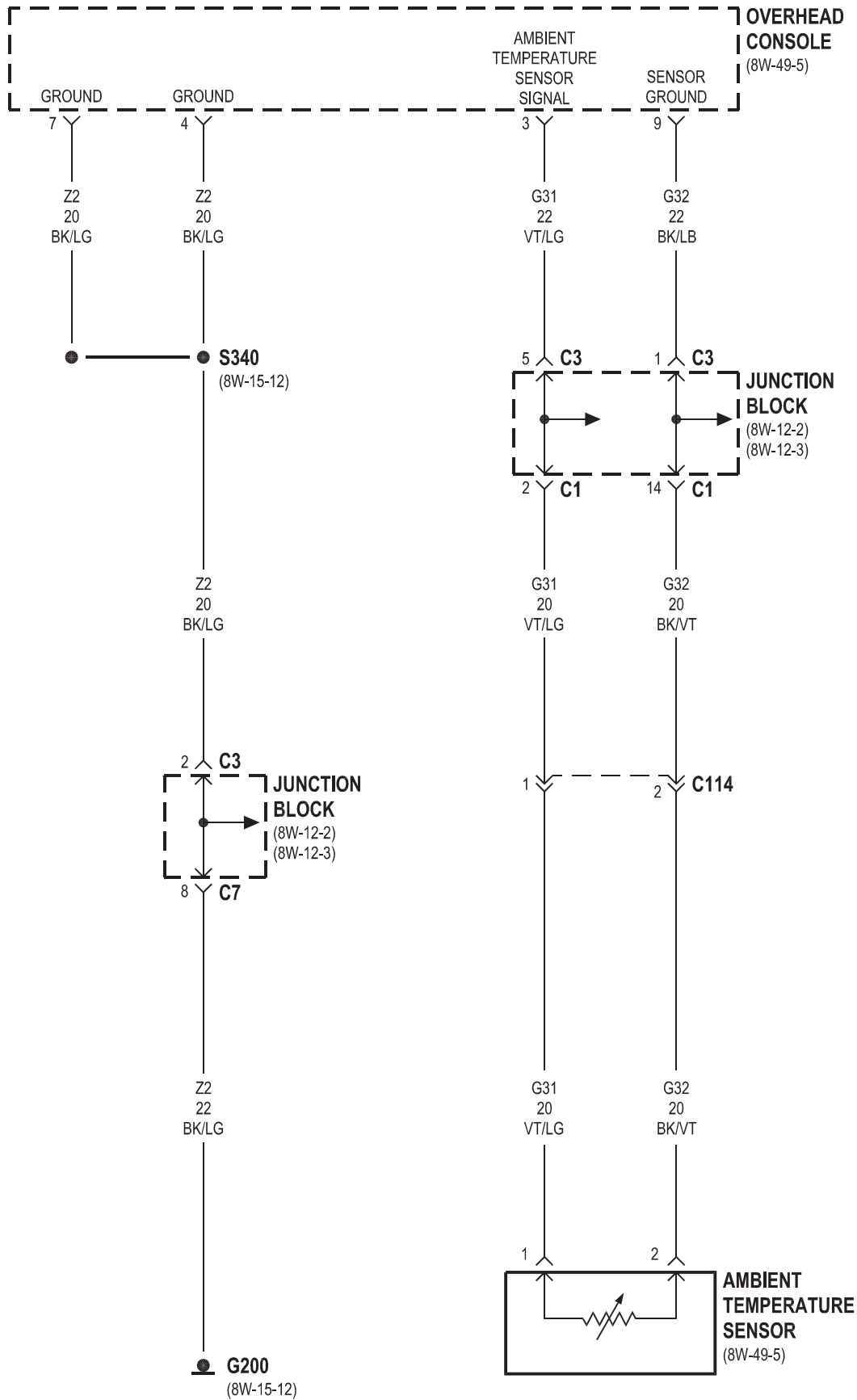


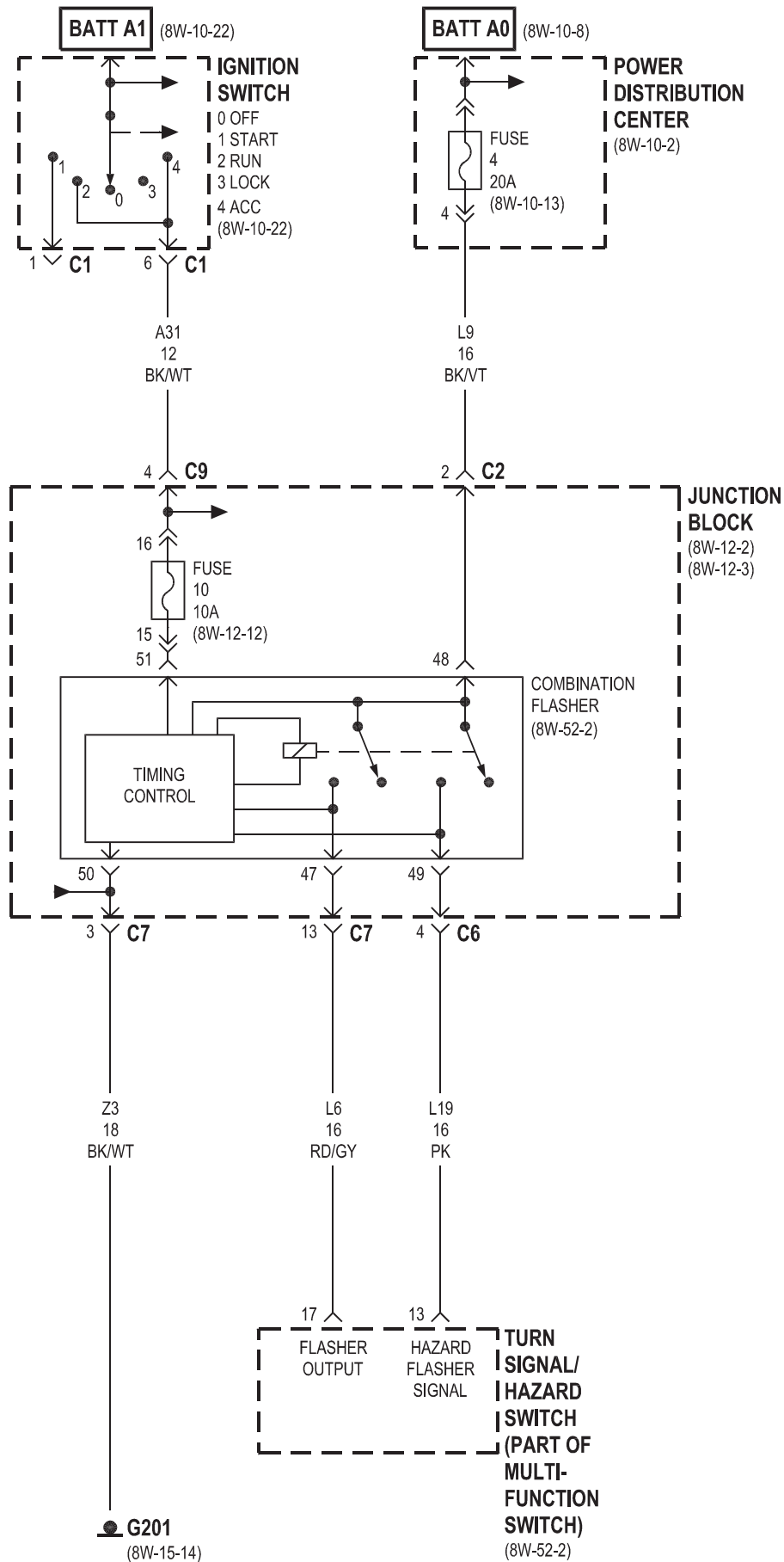


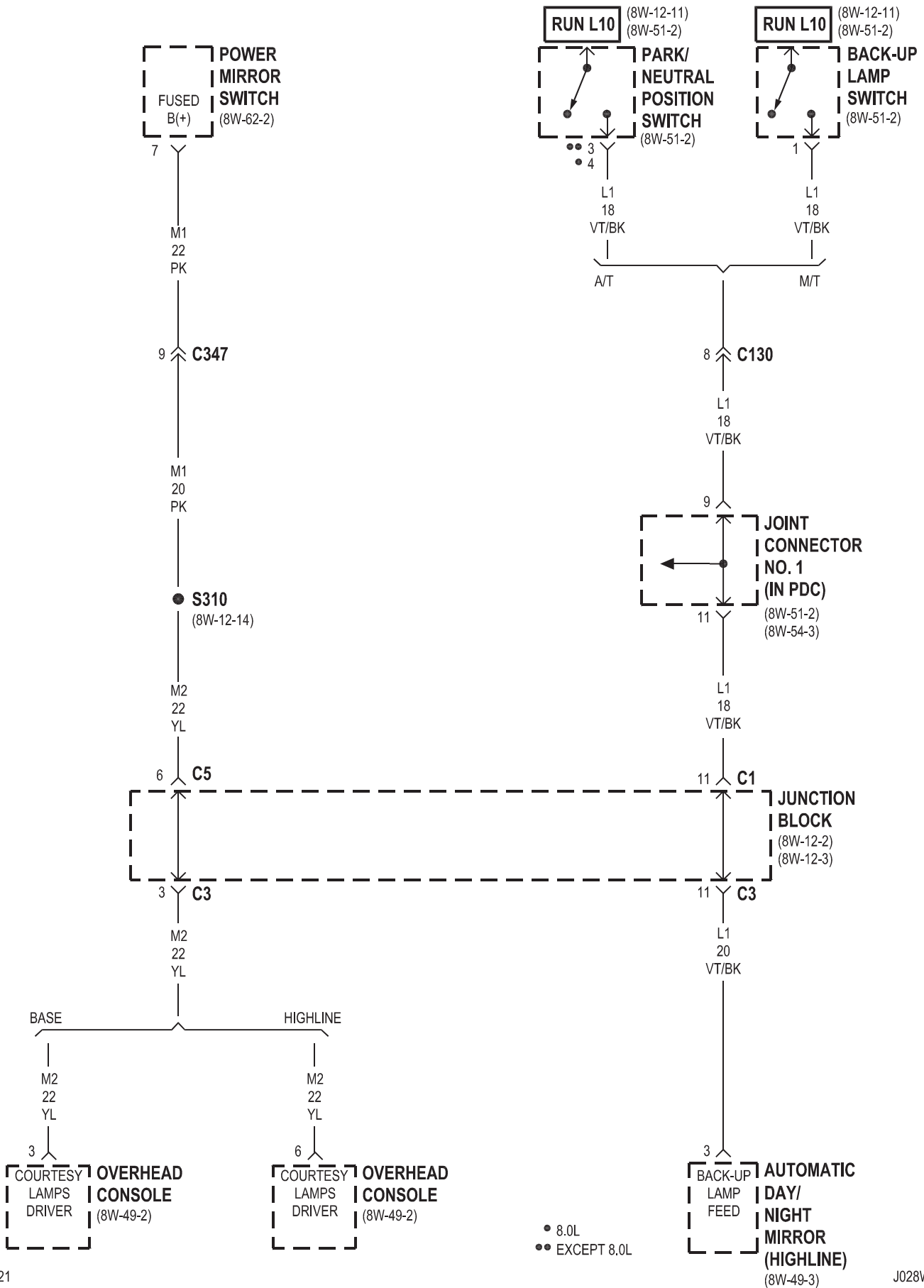






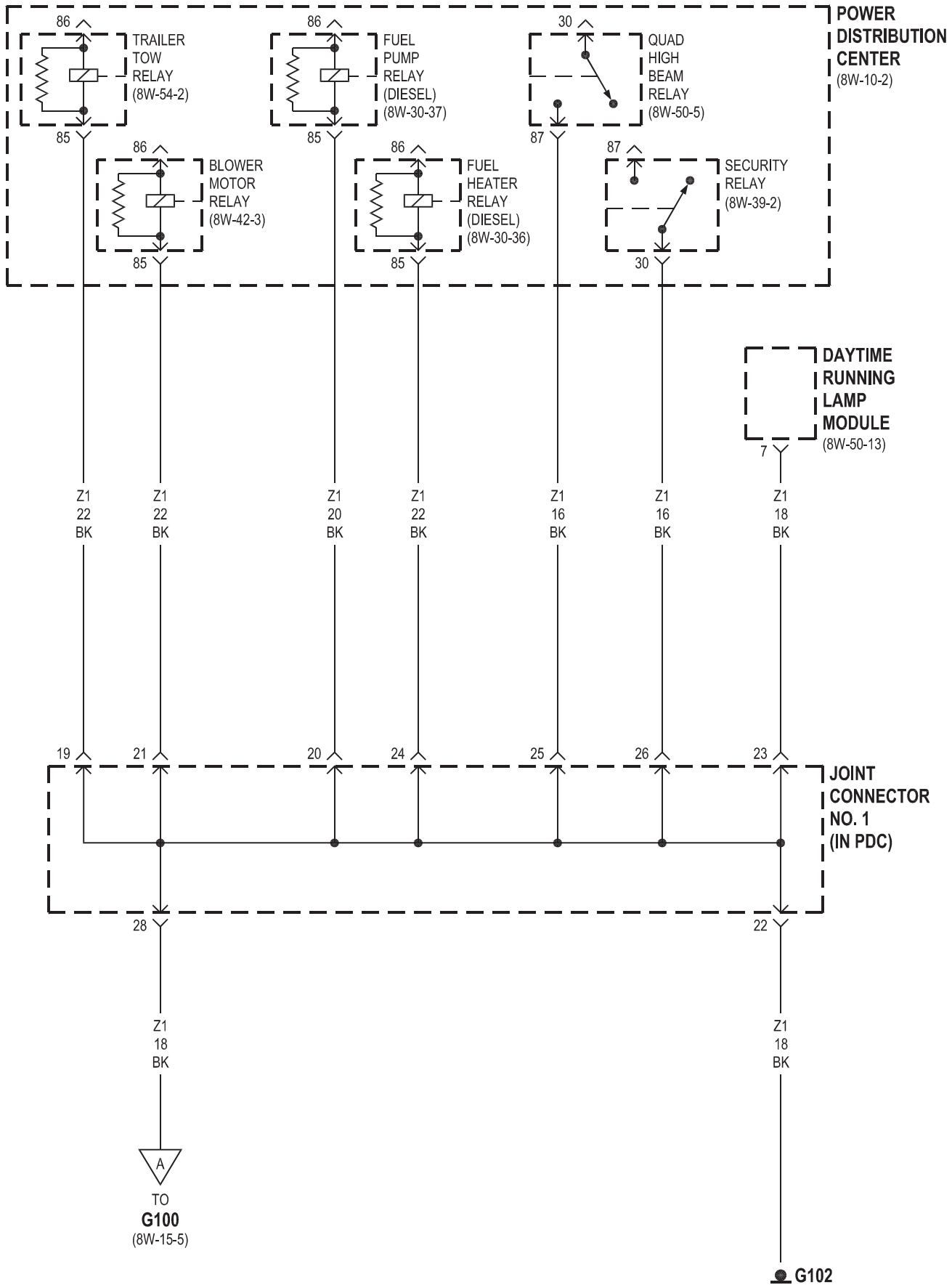


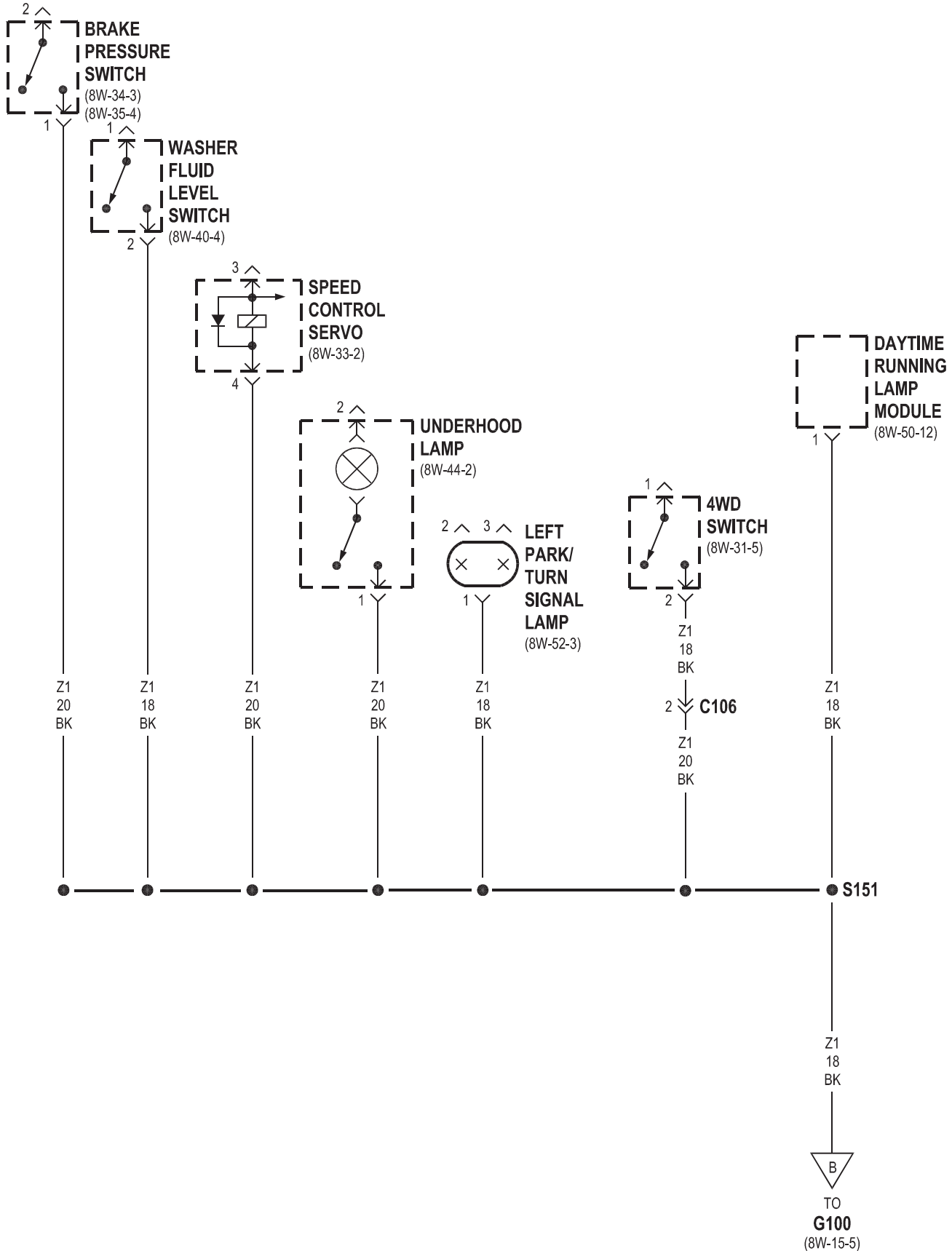




8W-15 GROUND DISTRIBUTION

Component	Page	Component	Page
A/C Compressor Clutch	8W-15-8, 10	Intake Air Heater Relay No. 1	8W-15-9
A/C Heater Temperature Select	8W-15-12	Intake Air Heater Relay No. 2	8W-15-9
A/C-Heater Control	8W-15-14	Joint Connector No. 1	8W-15-2, 5
Aftermarket Trailer Tow Connector	8W-15-6	Joint Connector No. 2	8W-15-9
Airbag Control Module	8W-15-5	Joint Connector No. 5	8W-15-13, 14
Ash Receiver Lamp	8W-15-14	Joint Connector No. 6	8W-15-4, 5
Automatic Day/Night Mirror	8W-15-13	Joint Connector No. 8	8W-15-5, 13
Auxiliary Battery	8W-15-11	Junction Block	8W-15-12, 13, 14
Battery	8W-15-11	Left Back-Up Lamp	8W-15-6
Blend Door Actuator	8W-15-12	Left Front Door Speaker	8W-15-4
Blower Motor Relay	8W-15-2	Left Front Fender Lamp	8W-15-6
Brake Lamp Switch	8W-15-12	Left License Lamp	8W-15-6
Brake Pressure Switch	8W-15-3	Left Outboard Clearance Lamp	8W-15-18
Center High Mounted Stop Lamp No. 1	8W-15-17	Left Outboard Identification Lamp	8W-15-18
Center High Mounted Stop Lamp No. 2	8W-15-17	Left Park/Turn Signal Lamp	8W-15-3
Center Identification Lamp	8W-15-18	Left Power Mirror	8W-15-16
Central Timer Module	8W-15-12, 13	Left Rear Fender Lamp	8W-15-6
Cigar Lighter	8W-15-14	Left Remote Radio Switch	8W-15-4
Clockspring	8W-15-4	Left Tail/Stop/Turn Signal Lamp	8W-15-6
Combination Flasher	8W-15-13	Left Visor/Vanity Lamp	8W-15-13
Controller Antilock Brake	8W-15-5	Low Note Horn	8W-15-7
Cummins Bus	8W-15-10	Overdrive Switch	8W-15-12
Cup Holder Lamp	8W-15-14	Overhead Console	8W-15-12
Data Link Connector	8W-15-8, 10, 12	Oxygen Sensor 1/2 Left Bank Down	8W-15-8
Daytime Running Lamp Module	8W-15-2, 3	Oxygen Sensor 1/2 Pre-Catalyst	8W-15-8
Driver Cylinder Lock Switch	8W-15-16	Oxygen Sensor 1/3 Post-Catalyst	8W-15-8
Driver Door Ajar Switch	8W-15-16	Oxygen Sensor 2/2 Right Bank Down	8W-15-8
Driver Door Window/Lock Switch	8W-15-16, 17	Passenger Airbag On/Off Switch	8W-15-5
Driver Heated Seat Cushion	8W-15-15	Passenger Cylinder Lock Switch	8W-15-16
Driver Heated Seat Switch	8W-15-13	Passenger Door Ajar Switch	8W-15-16
Driver Power Seat Switch	8W-15-15, 17	Passenger Door Window/Lock Switch	8W-15-16
Electric Brake Provision	8W-15-14	Passenger Heated Seat Cushion	8W-15-15
Engine Control Module	8W-15-9	Passenger Heated Seat Switch	8W-15-13
Engine Starter Motor Relay	8W-15-8, 9	Passenger Power Seat Switch	8W-15-15
Fuel Heater	8W-15-10	Power Distribution Center	8W-15-2
Fuel Heater Relay	8W-15-2	Power Mirror Switch	8W-15-16
Fuel Injection Pump	8W-15-9	Power Outlet	8W-15-14
Fuel Pump Module	8W-15-7	Powertrain Control Module	8W-15-8, 10
Fuel Pump Relay	8W-15-2	Quad High Beam Relay	8W-15-2
Fuel Transfer Pump	8W-15-10	Radio	8W-15-5
G100	8W-15-2, 3, 4, 5, 7, 12	Radio Choke Relay	8W-15-4
G101	8W-15-5	Right Back-Up Lamp	8W-15-6
G102	8W-15-2	Right Front Door Speaker	8W-15-4
G105	8W-15-8	Right Front Fender Lamp	8W-15-6
G107	8W-15-10	Right License Lamp	8W-15-6
G113	8W-15-11	Right Outboard Clearance Lamp	8W-15-18
G114	8W-15-11	Right Outboard Identification Lamp	8W-15-18
G115	8W-15-11	Right Park/Turn Signal Lamp	8W-15-7
G116	8W-15-11	Right Power Mirror	8W-15-16
G117	8W-15-11	Right Rear Fender Lamp	8W-15-6
G118	8W-15-11	Right Remote Radio Switch	8W-15-4
G120	8W-15-11	Right Tail/Stop/Turn Signal Lamp	8W-15-6
G200	8W-15-7, 12, 14	Right Visor/Vanity Lamp	8W-15-13
G201	8W-15-12, 13, 14	Seat Belt Switch	8W-15-15, 17
G300	8W-15-15, 16, 17	Seat Heat Interface Module	8W-15-15
G301	8W-15-17	Security Relay	8W-15-2
G302	8W-15-18	Speed Control Servo	8W-15-3
Glove Box Lamp And Switch	8W-15-14	Tailgate Lamp	8W-15-6
Headlamp Beam Select Switch	8W-15-14	Trailer Tow Connector	8W-15-6
Headlamp Switch	8W-15-13, 14	Trailer Tow Relay	8W-15-2
Heated Mirror Switch	8W-15-13	Underhood Lamp	8W-15-3
High Note Horn	8W-15-7	Washer Fluid Level Switch	8W-15-3
Ignition Switch	8W-15-13	Windshield Washer Pump	8W-15-7
Instrument Cluster	8W-15-12, 14	Wiper Motor	8W-15-7

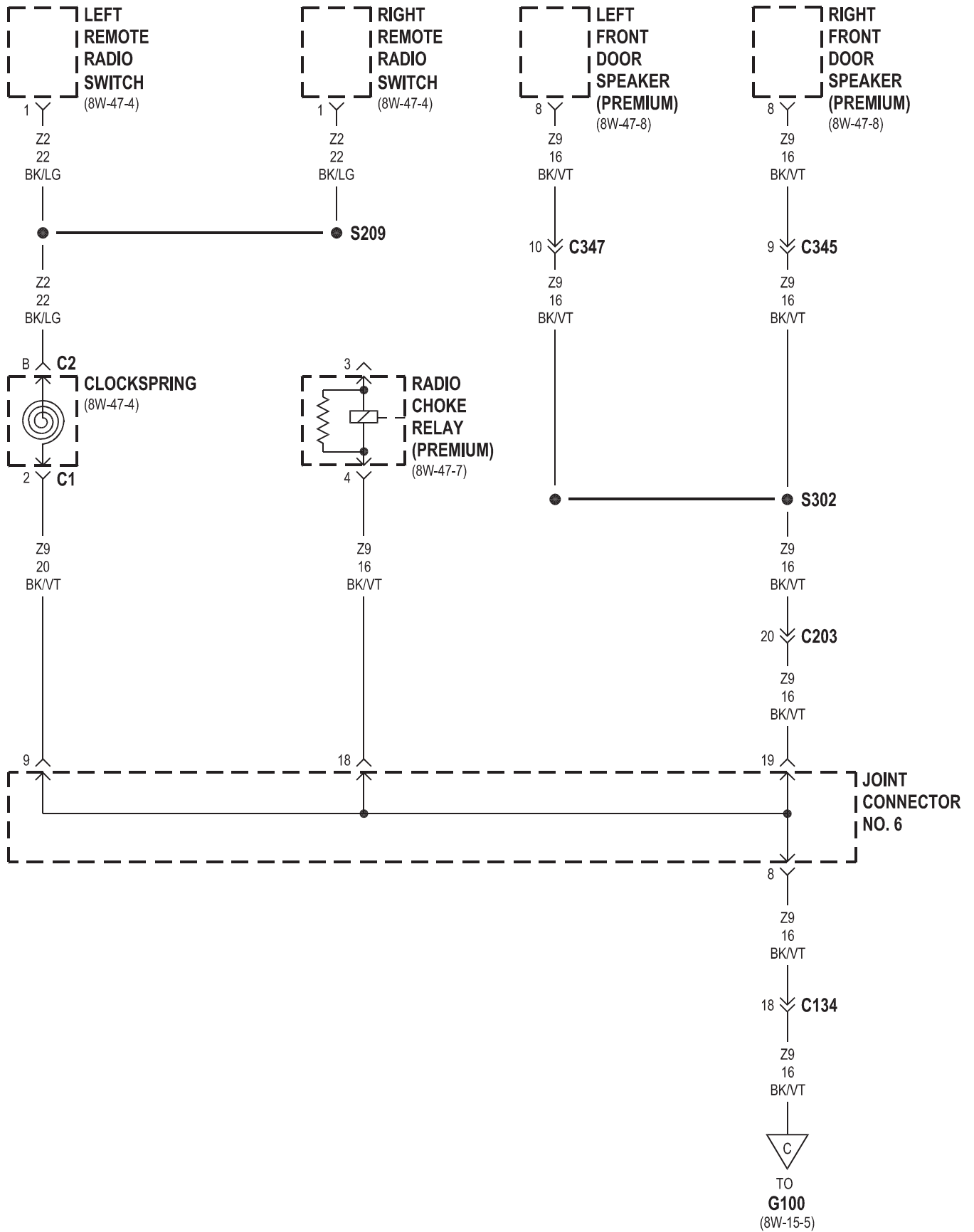




8W - 15 - 4

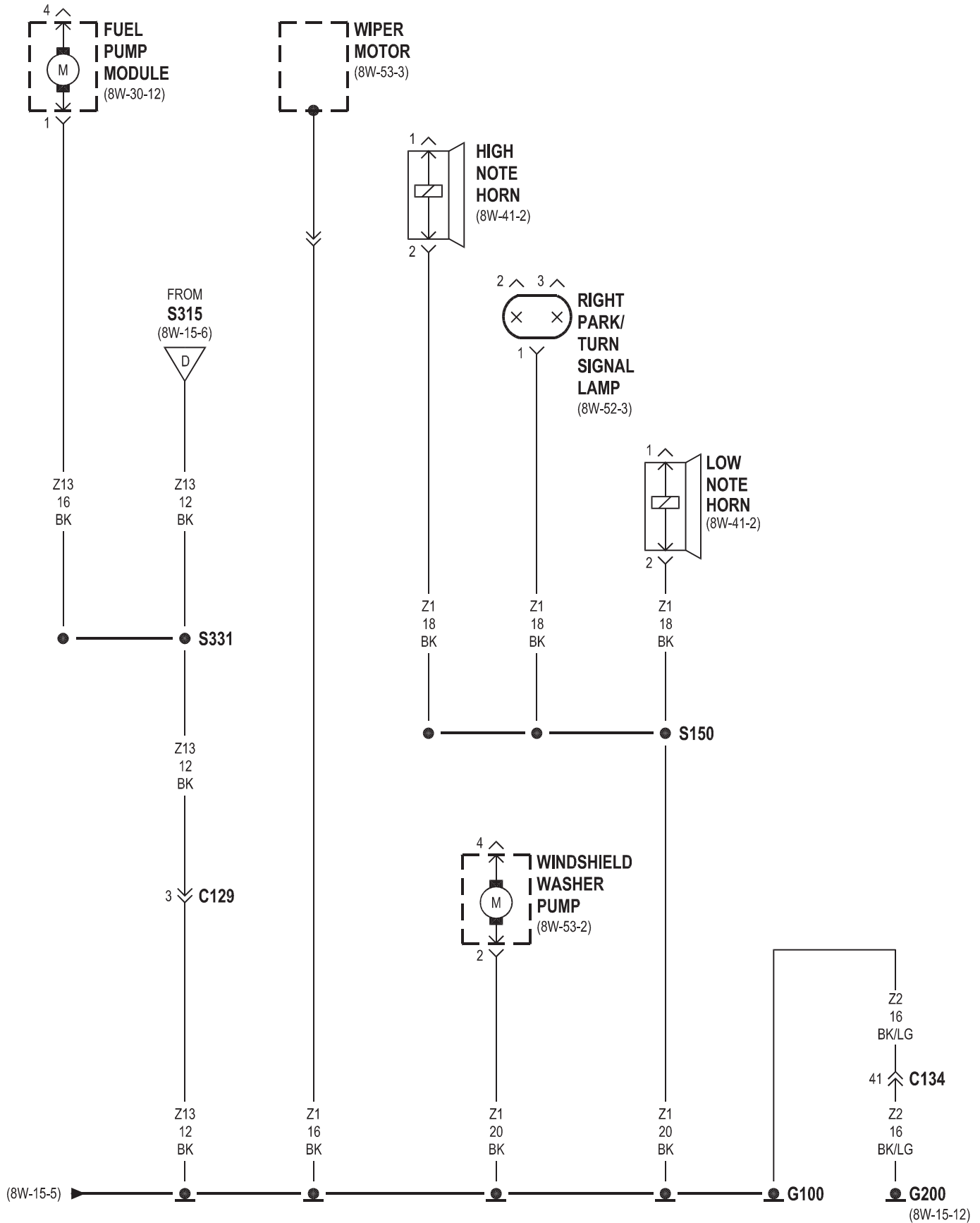
8W-15 GROUND DISTRIBUTION

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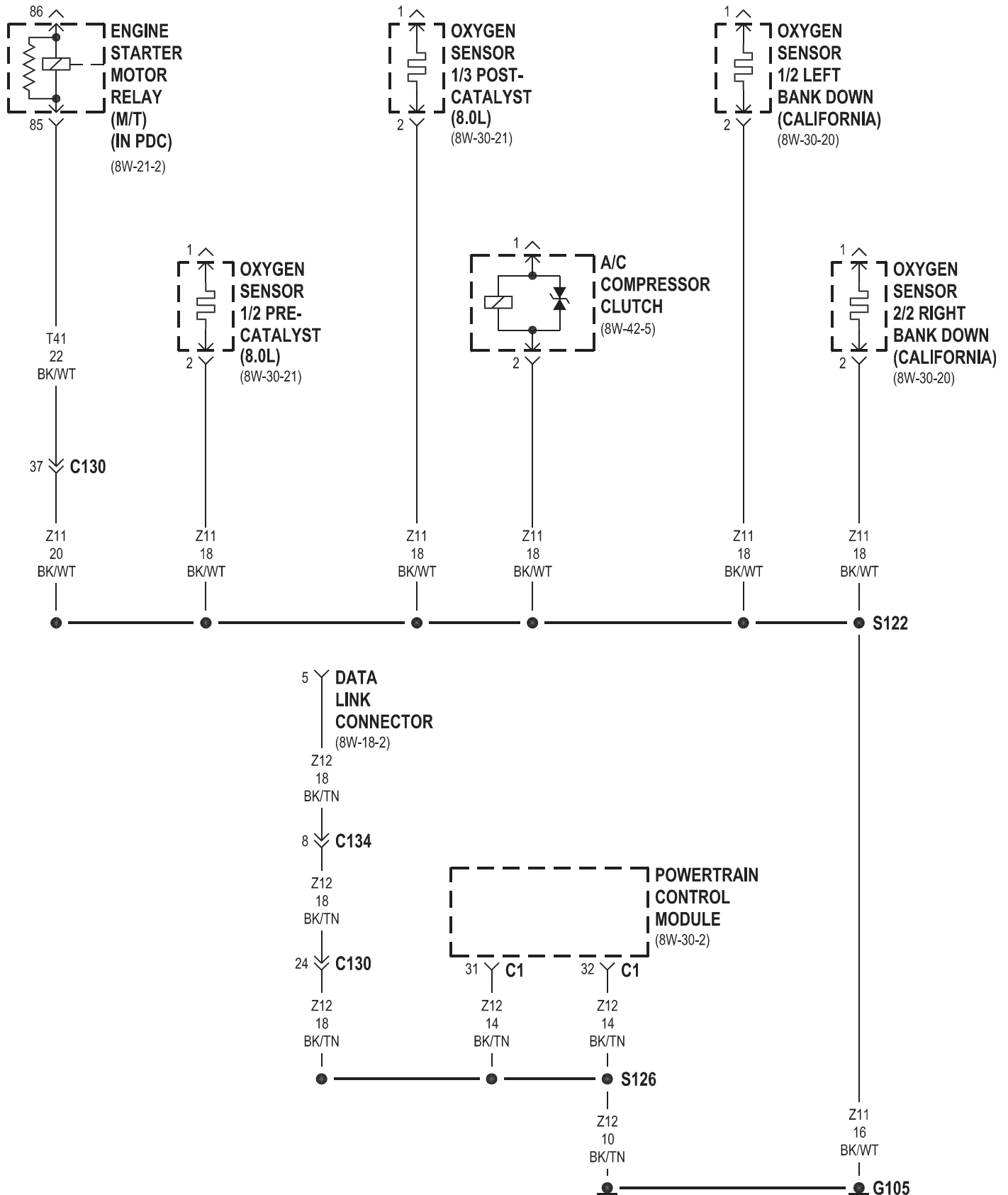


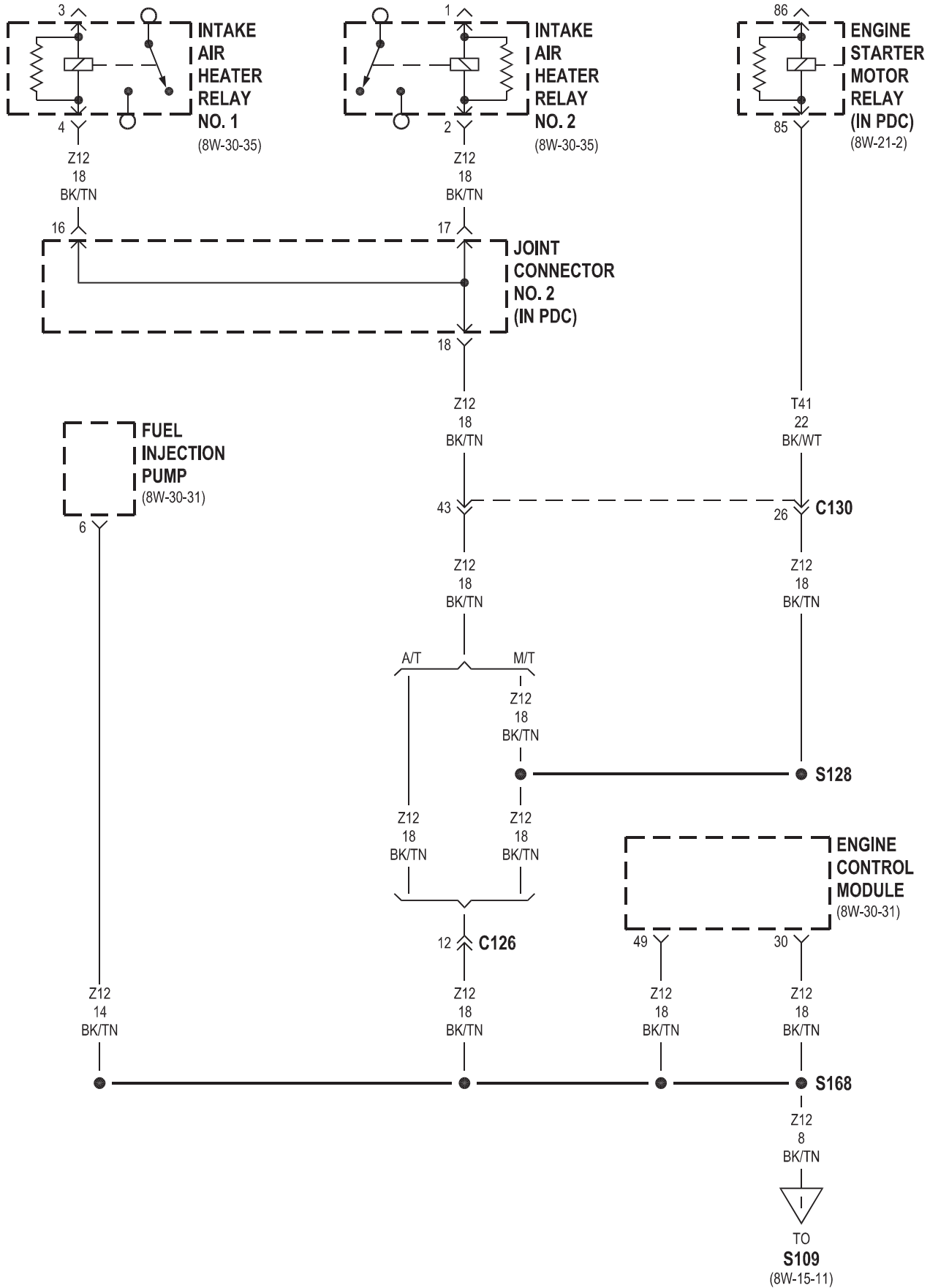


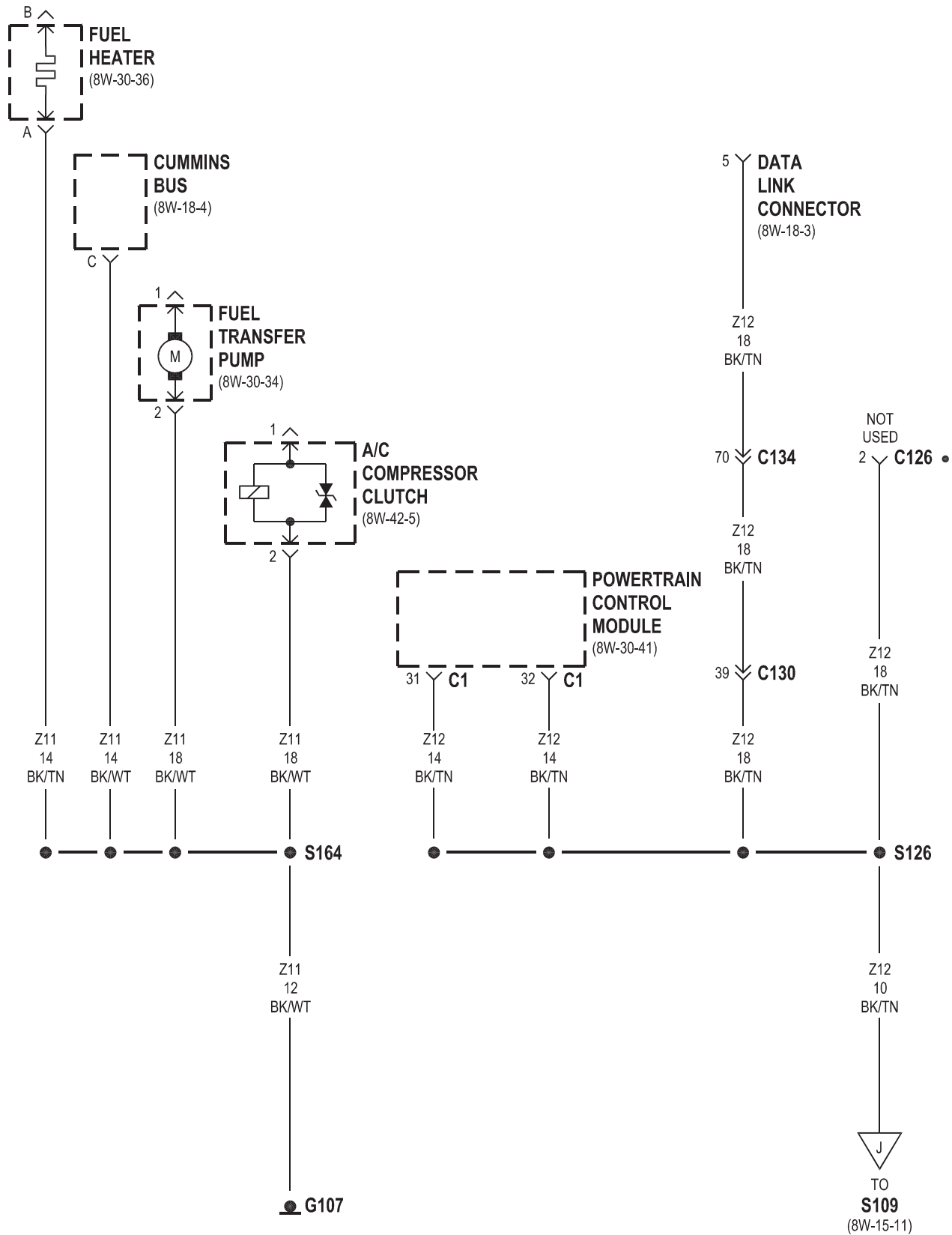
8W - 15 - 8

8W-15 GROUND DISTRIBUTION GAS

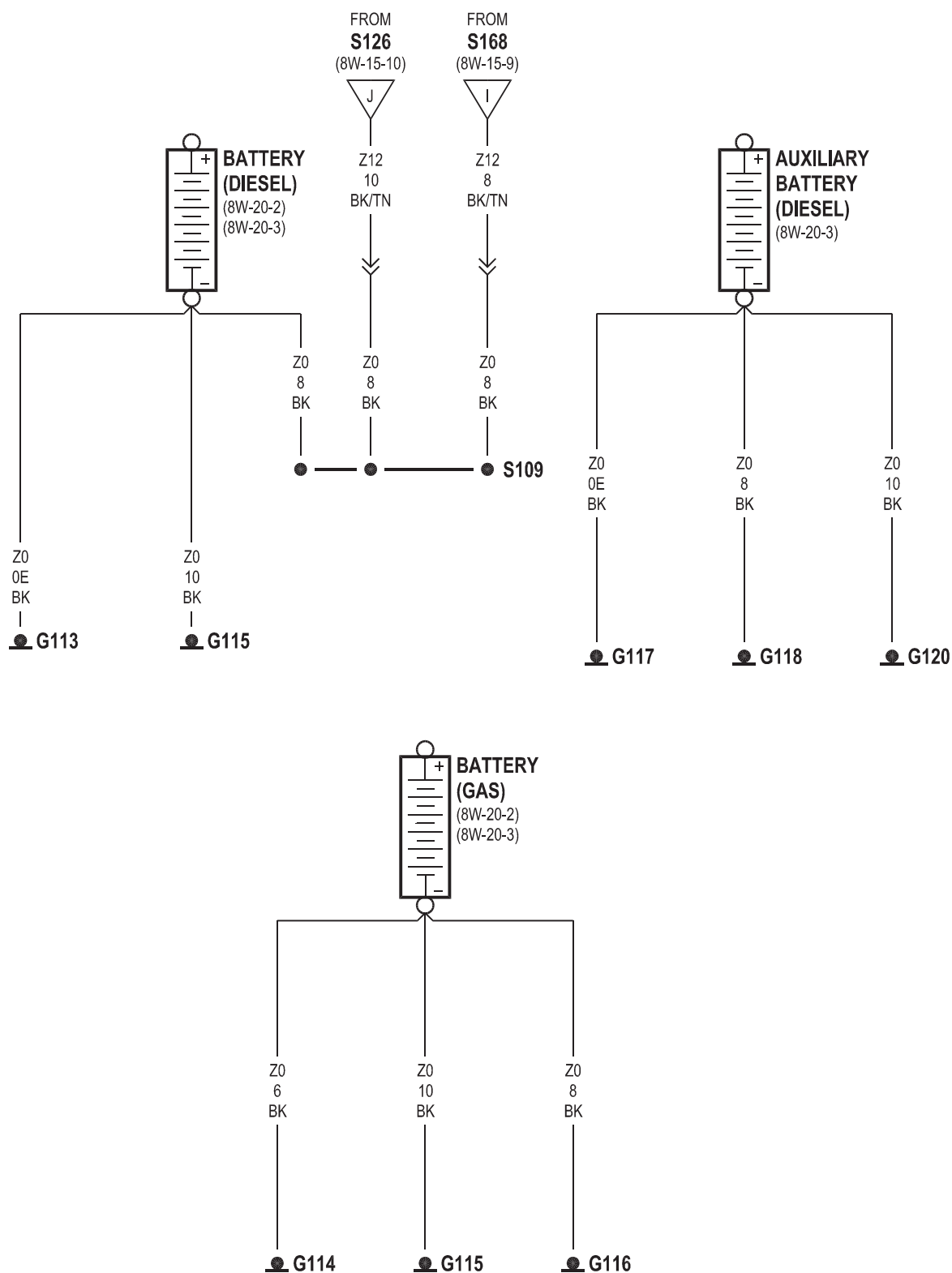
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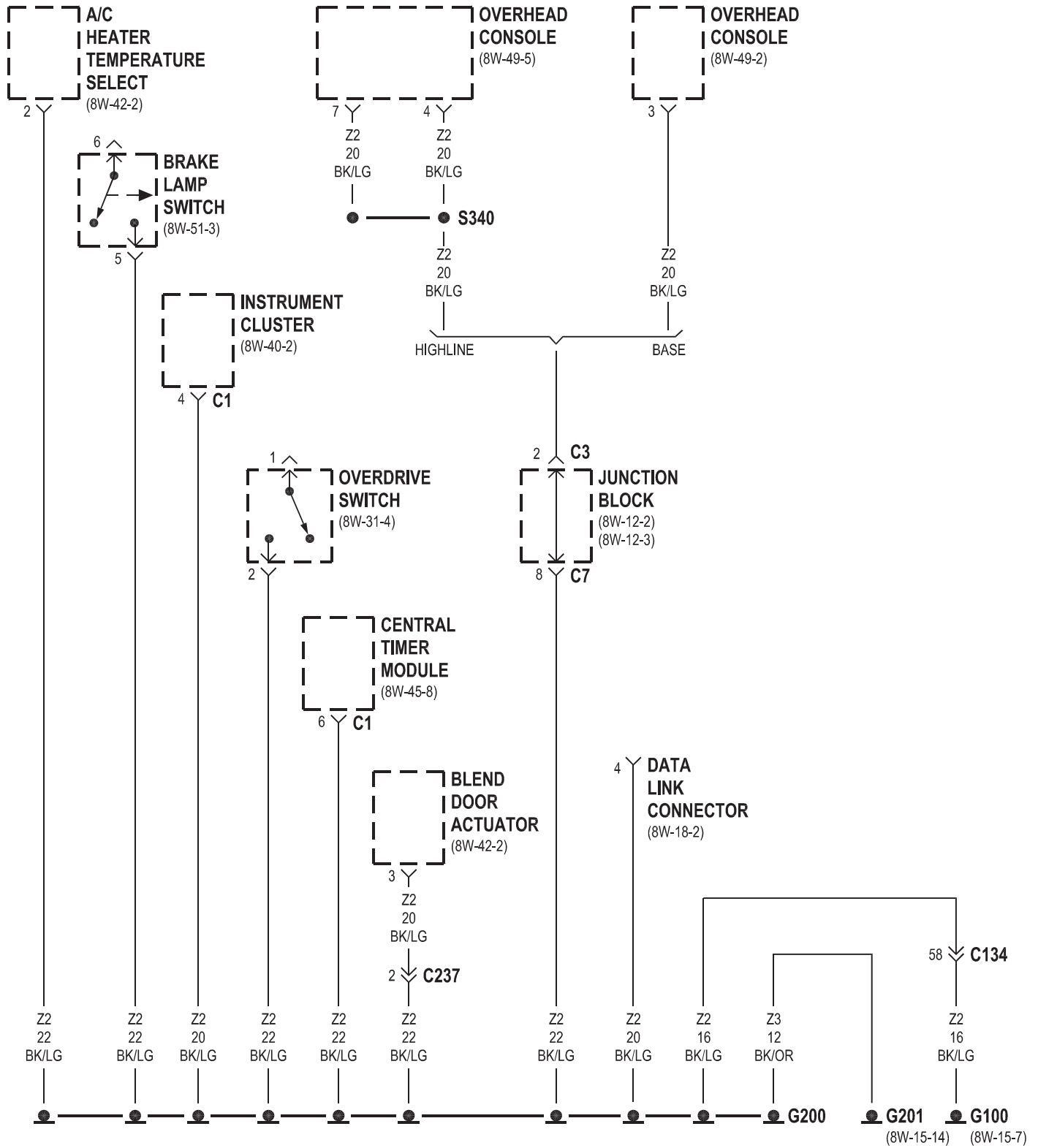


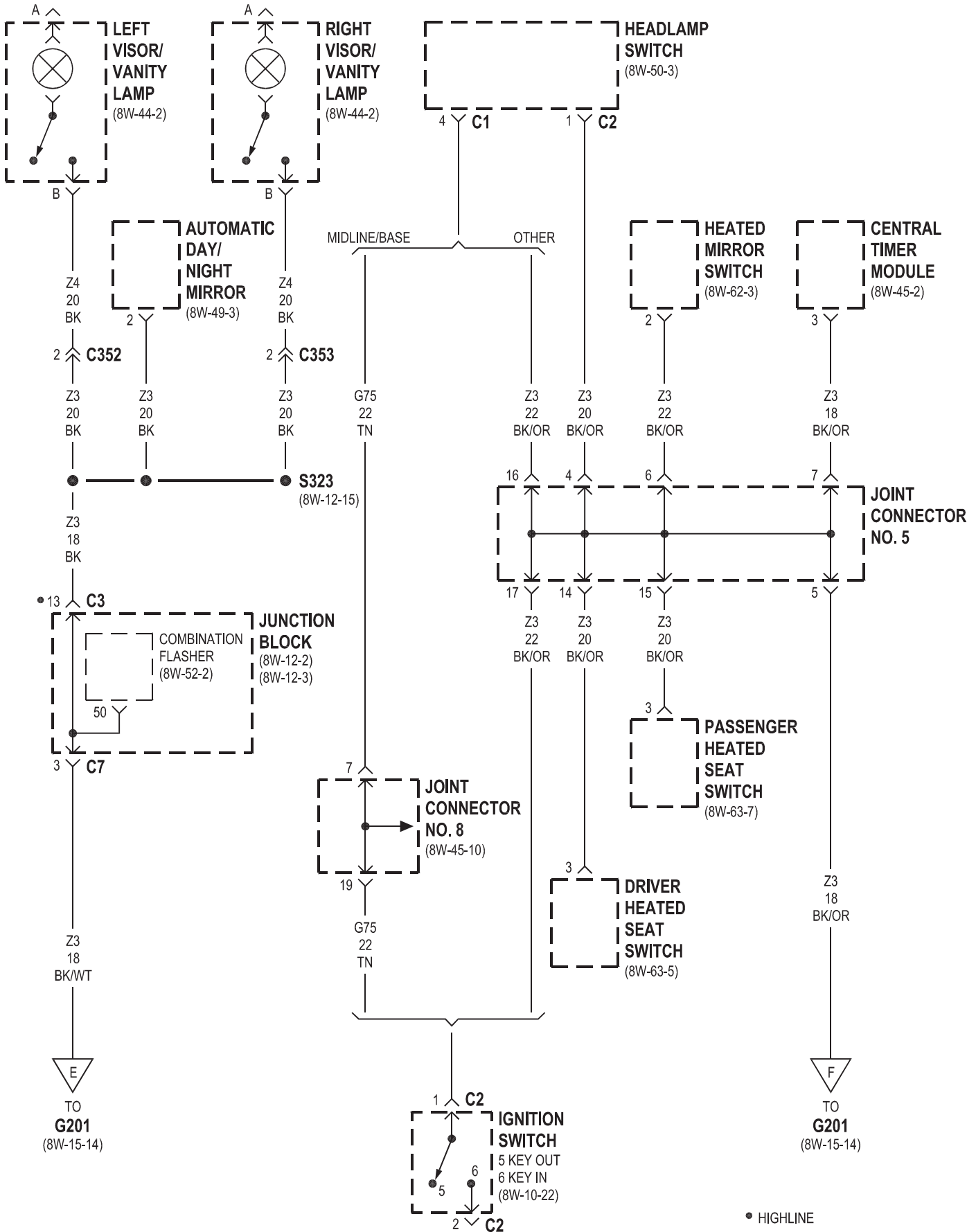




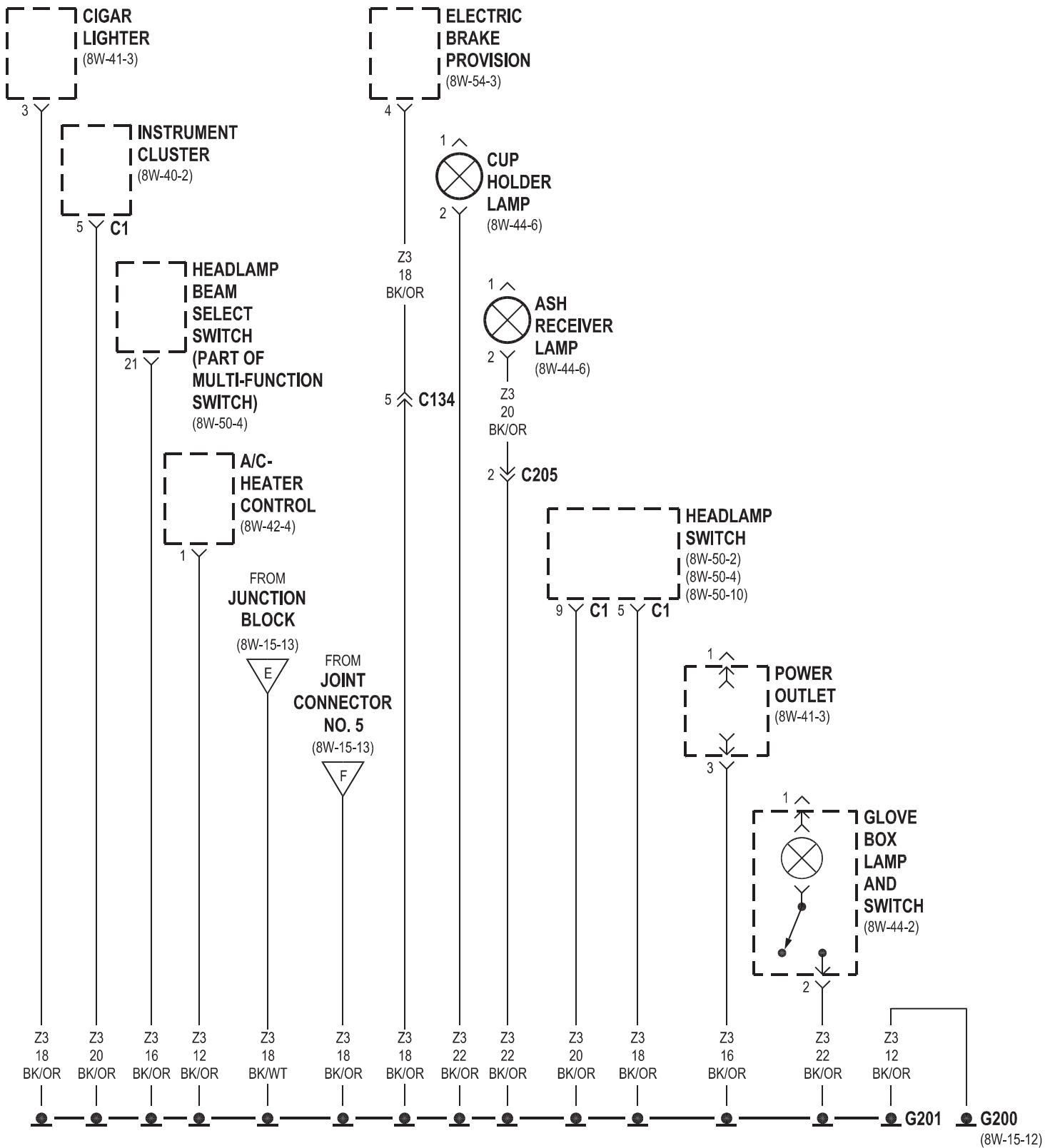
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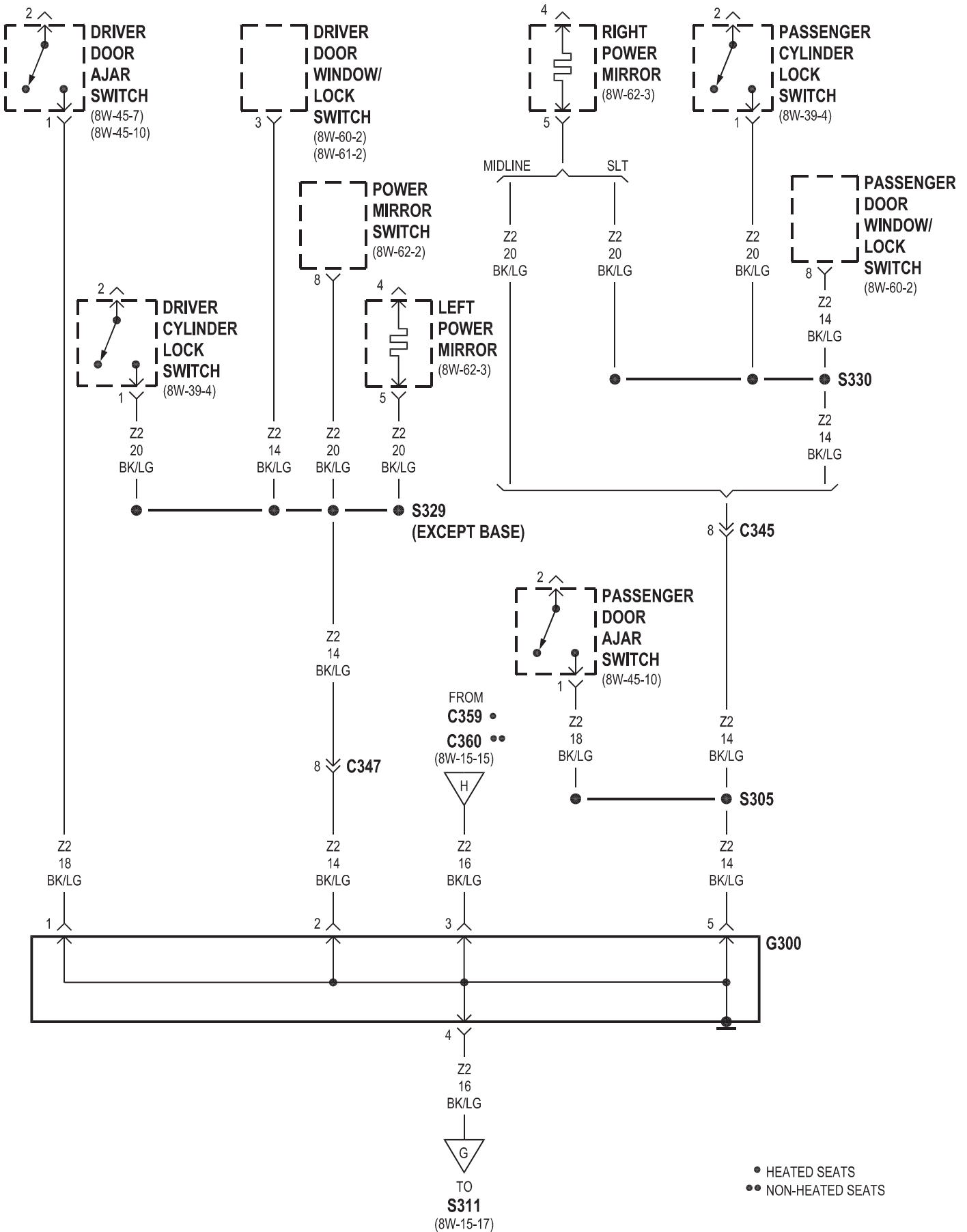


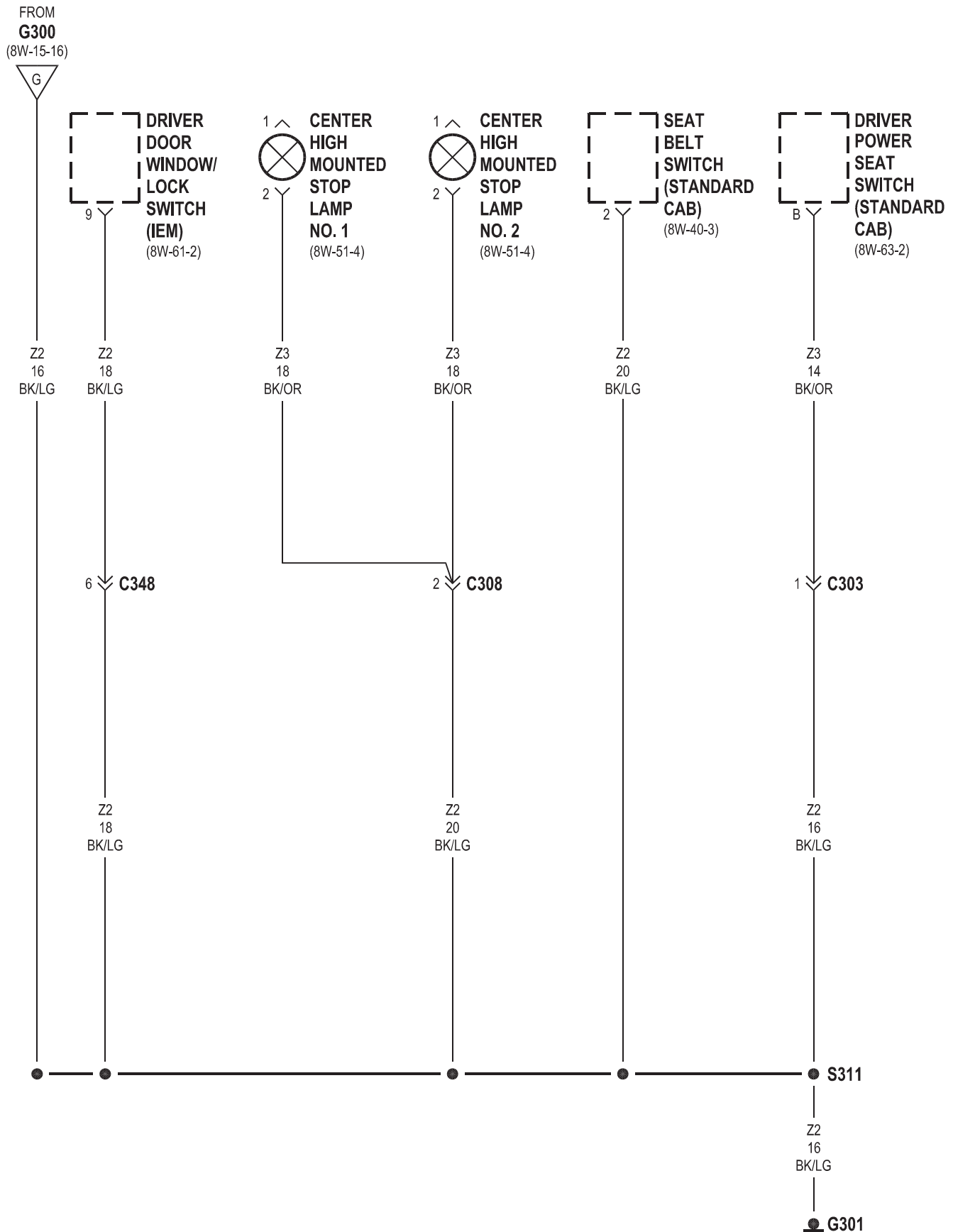


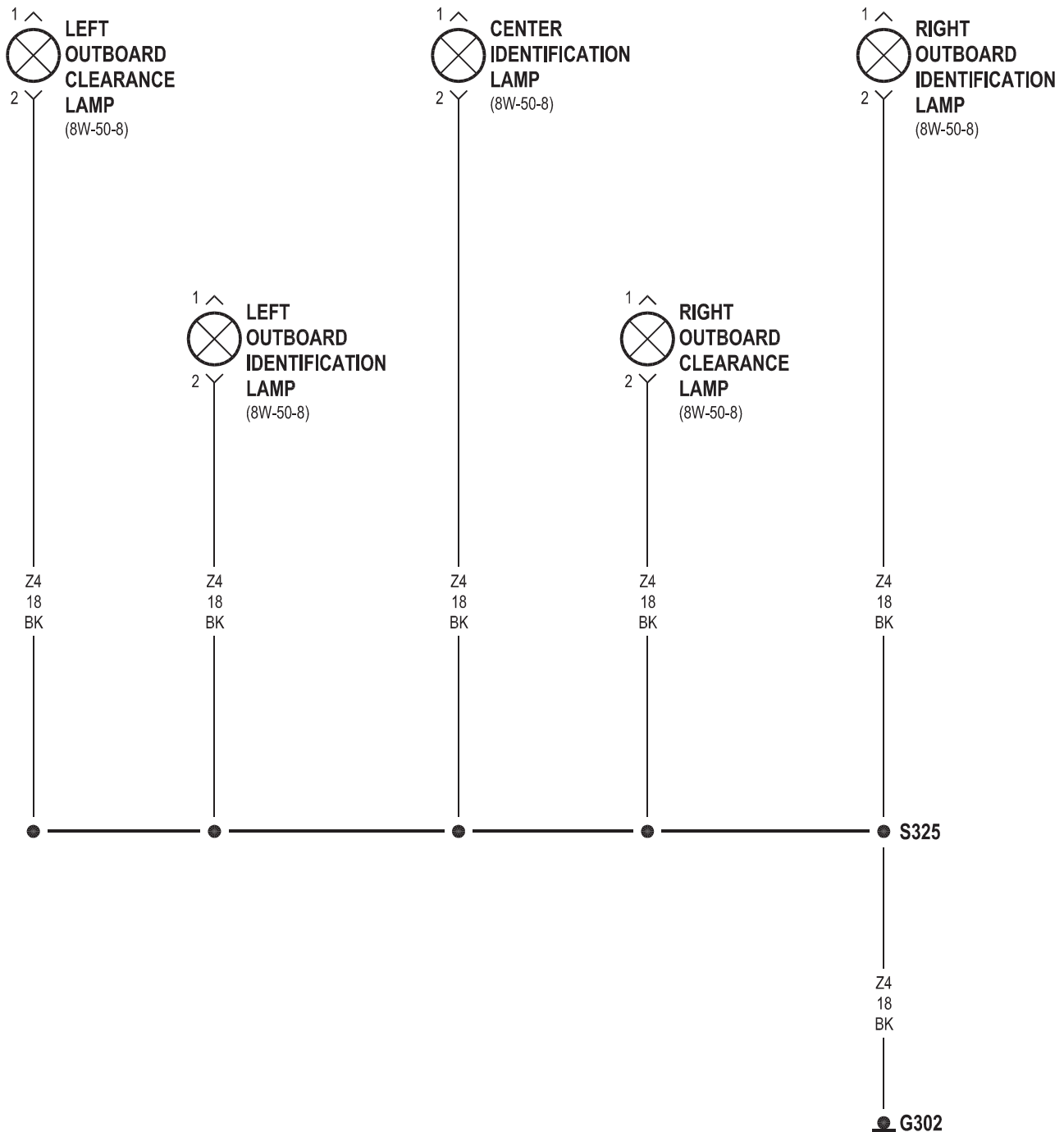
• HIGHLINE







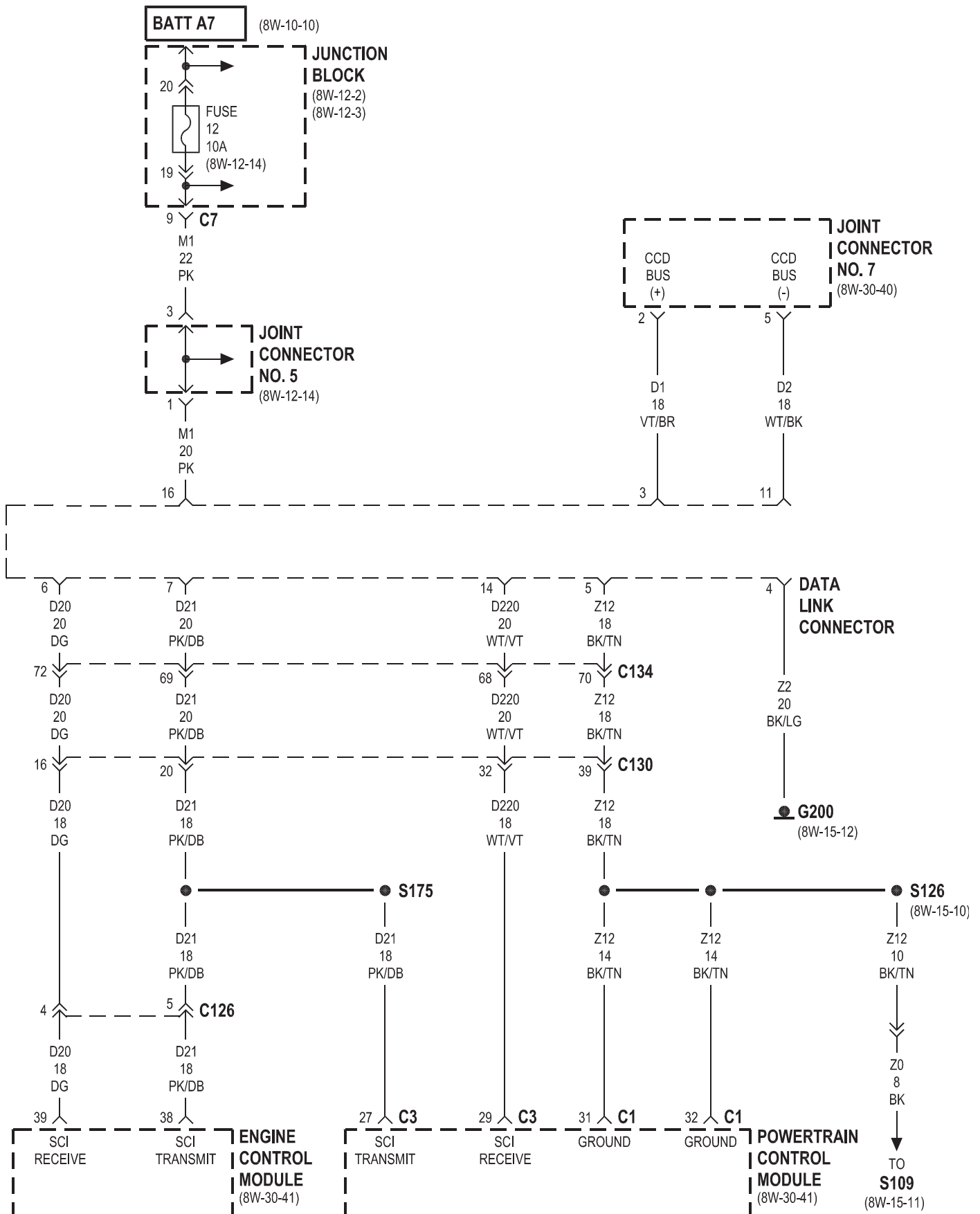


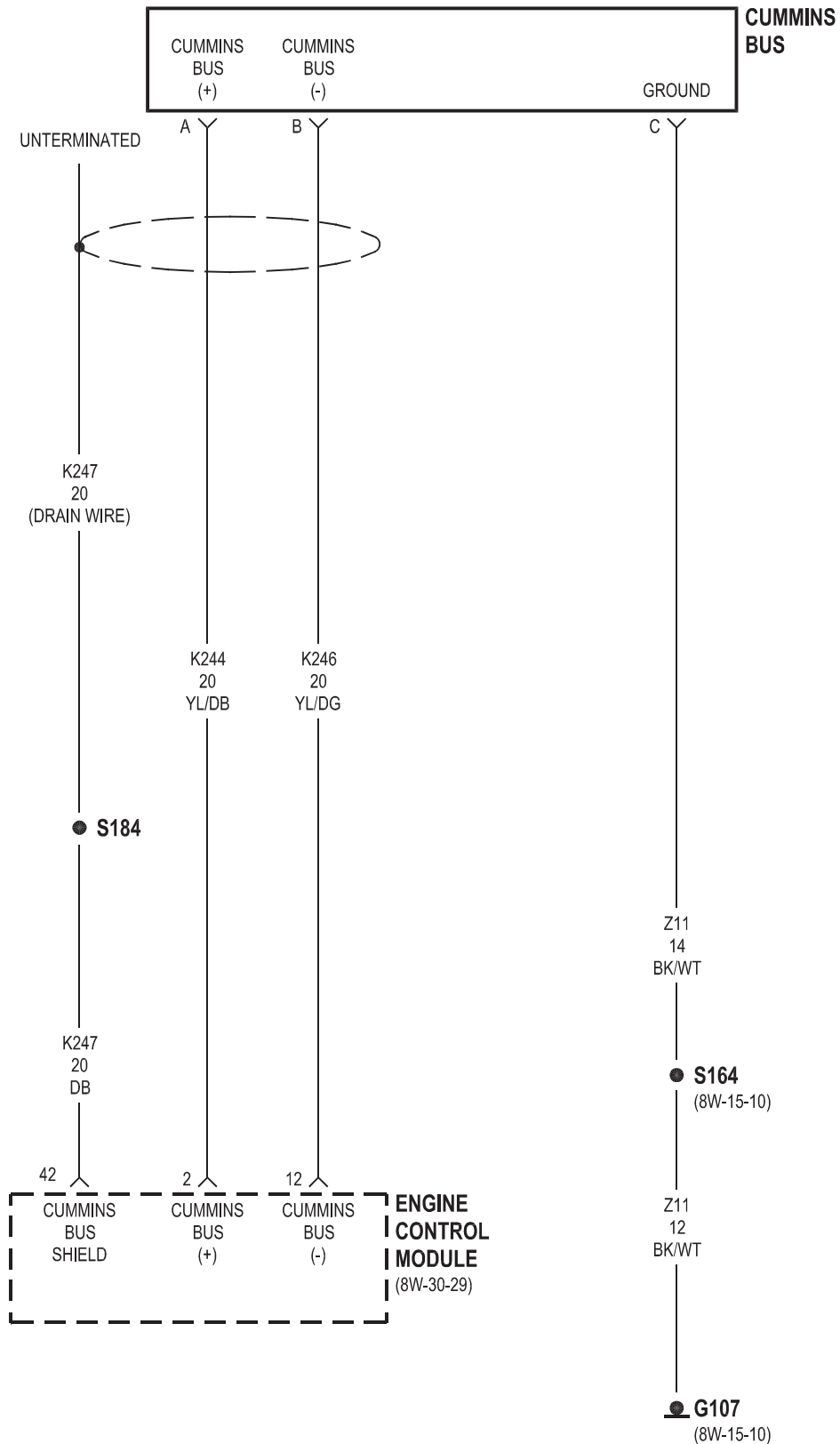


8W-18 BUS COMMUNICATIONS

Component	Page	Component	Page
Cummins Bus	8W-18-4	G200	8W-18-2, 3
Data Link Connector	8W-18-2, 3	Joint Connector No. 5	8W-18-2, 3
Engine Control Module	8W-18-3, 4	Joint Connector No. 7	8W-18-2, 3
Fuse 12 (JB)	8W-18-2, 3	Junction Block	8W-18-2, 3
G105	8W-18-2	Powertrain Control Module	8W-18-2, 3
G107	8W-18-4		

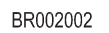






8W-20 CHARGING SYSTEM

Component	Page	Component	Page
Auxiliary Battery	8W-20-3	G116	8W-20-2
Battery	8W-20-2, 3	G117	8W-20-3
Battery Temperature Sensor	8W-20-4	G118	8W-20-3
Engine Control Module	8W-20-4	G120	8W-20-3
Engine Starter Motor	8W-20-2, 3	Generator	8W-20-2, 3
Fuse 3 (PDC)	8W-20-4	Intake Air Heater Relay No. 1	8W-20-3
Fuse Gen (PDC)	8W-20-2, 3	Intake Air Heater Relay No. 2	8W-20-3
Fusible Link	8W-20-3	Joint Connector No. 1	8W-20-4
G113	8W-20-3	Joint Connector No. 2	8W-20-4
G114	8W-20-2	Power Distribution Center	8W-20-2, 3, 4
G115	8W-20-2, 3	Powertrain Control Module	8W-20-2, 3, 4

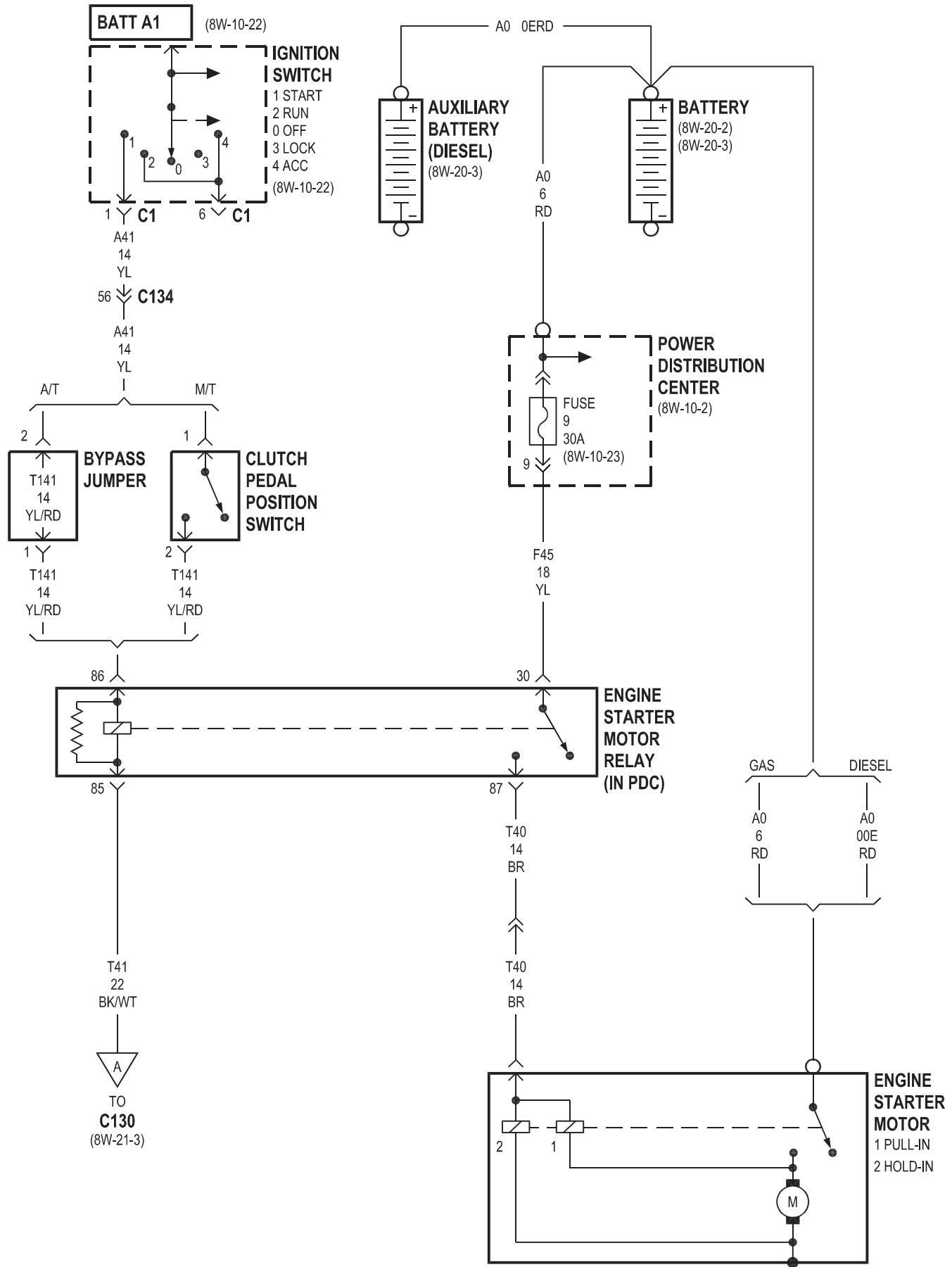


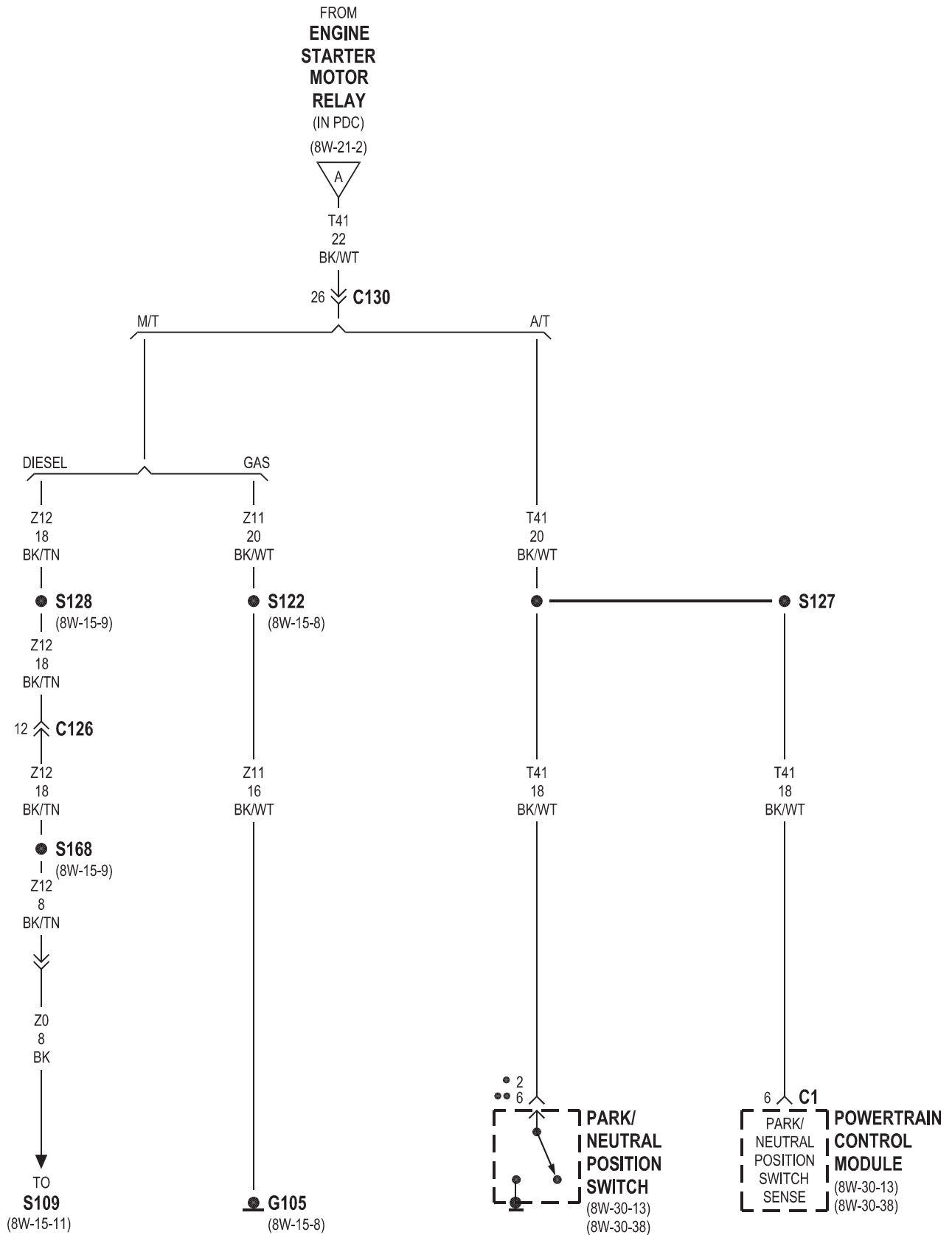




8W-21 STARTING SYSTEM

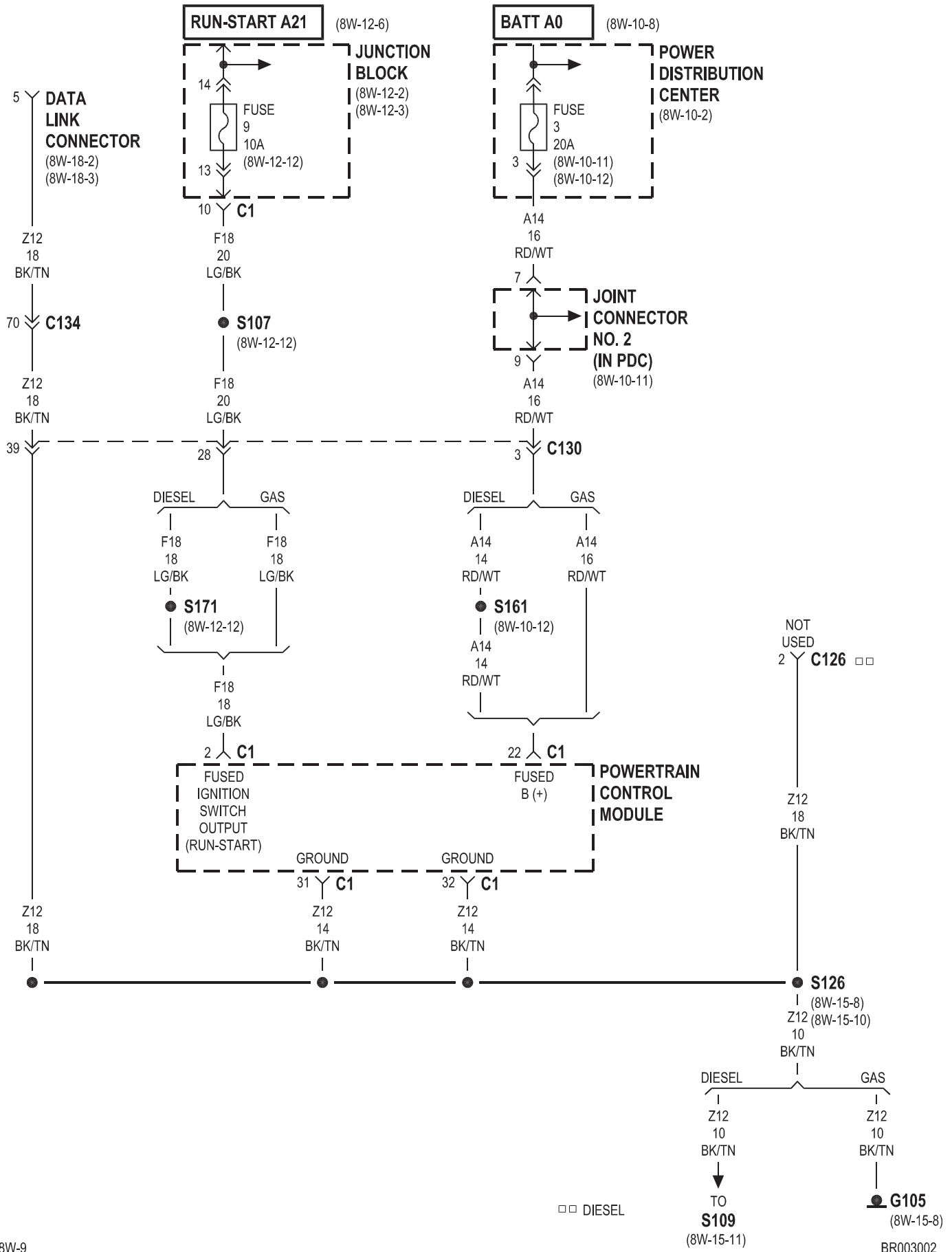
Component	Page	Component	Page
Auxiliary Battery	8W-21-2	Fuse 9 (PDC)	8W-21-2
Battery	8W-21-2	G105	8W-21-3
Bypass Jumper	8W-21-2	Ignition Switch	8W-21-2
Clutch Pedal Position Switch	8W-21-2	Park/Neutral Position Switch	8W-21-3
Engine Starter Motor	8W-21-2	Power Distribution Center	8W-21-2
Engine Starter Motor Relay	8W-21-2, 3	Powertrain Control Module	8W-21-3

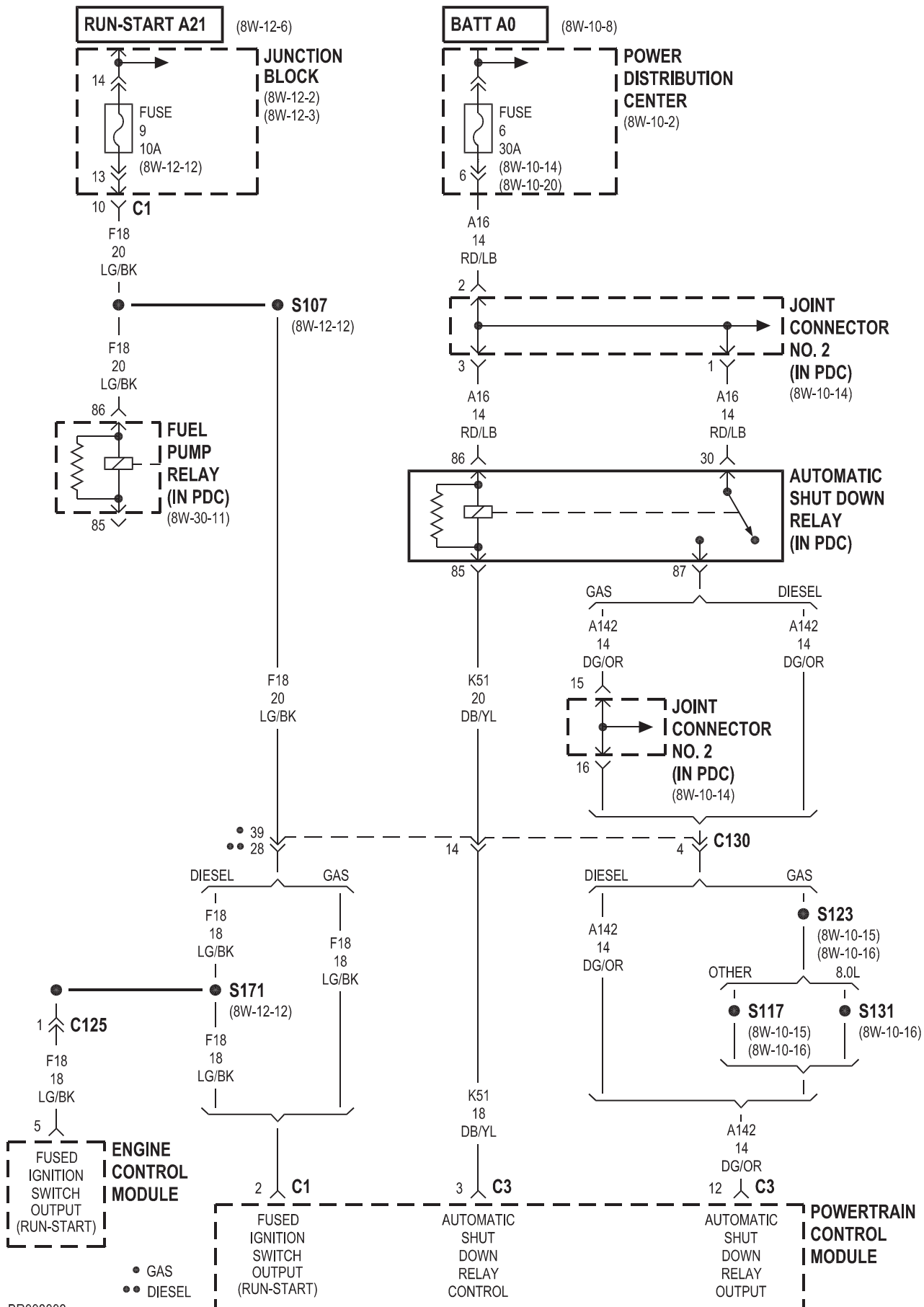




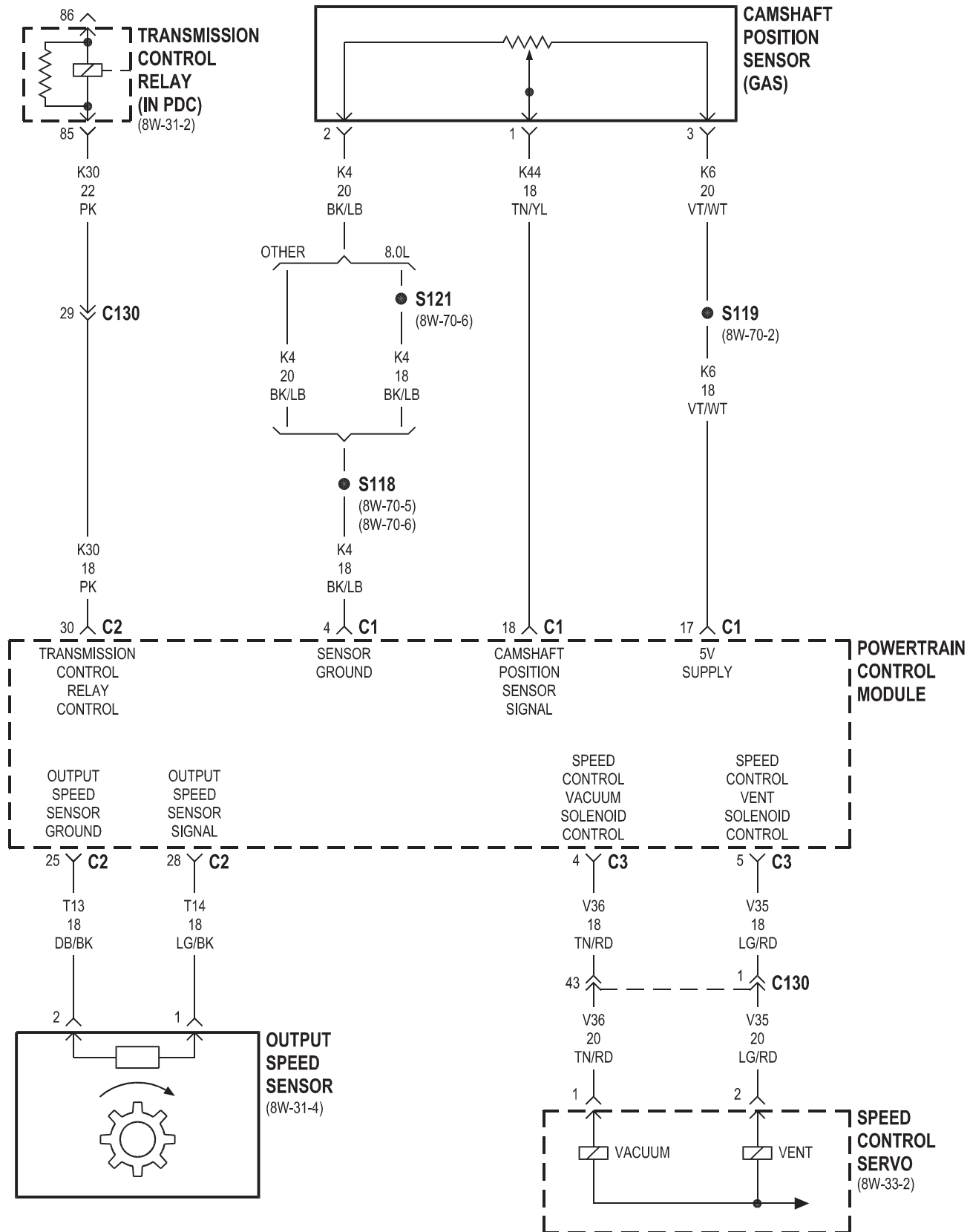
8W-30 FUEL/IGNITION SYSTEM

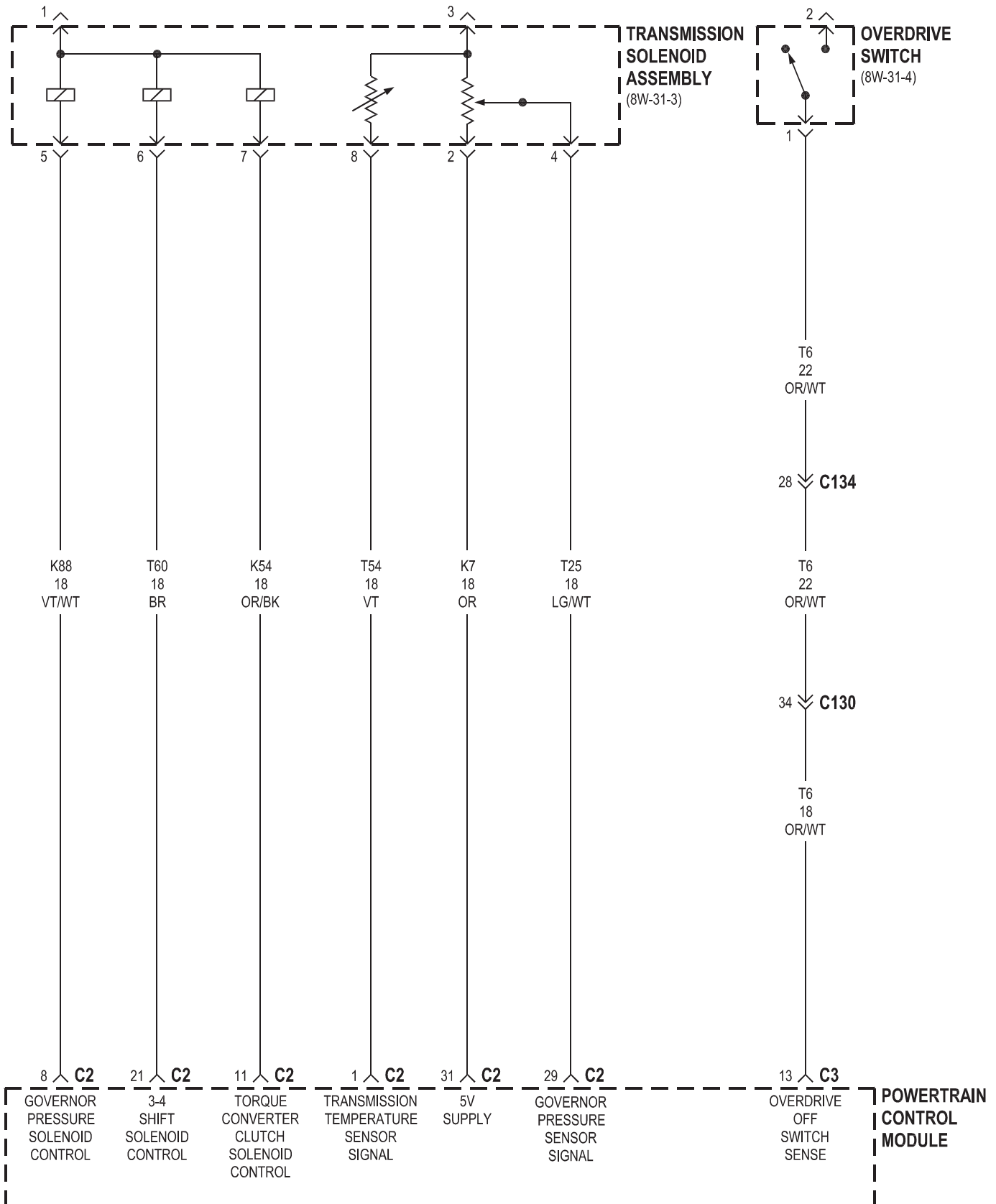
Component	Page	Component	Page
A/C Compressor Clutch Relay	8W-30-14, 38, 39	G105	8W-30-2, 16, 20, 21
A/C High Pressure Switch	8W-30-14, 39	G107	8W-30-34, 36
A/C Low Pressure Switch	8W-30-14, 39	G113	8W-30-14, 34
A/C-Heater Control	8W-30-14, 39	G200	8W-30-16, 37
Accelerator Pedal Position Sensor	8W-30-30	Generator	8W-30-13, 38
Airbag Control Module	8W-30-15, 40	Idle Air Control Motor	8W-30-9
Automatic Shut Down Relay	8W-30-3, 17, 18, 19, 22, 23, 24, 25, 26, 27, 28	Ignition Coil	8W-30-25
Battery	8W-30-35	Ignition Coil 4 Pack	8W-30-28
Battery Temperature Sensor	8W-30-4	Ignition Coil 6 Pack	8W-30-28
Brake Lamp Switch	8W-30-8, 7, 37	Instrument Cluster	8W-30-15, 34, 40
Camshaft Position Sensor	8W-30-5, 32	Intake Air Heater	8W-30-35
Capacitor	8W-30-28	Intake Air Heater Relay No. 1	8W-30-35
Central Timer Module	8W-30-15, 40	Intake Air Heater Relay No. 2	8W-30-35
Clockspring	8W-30-7, 34	Intake Air Temperature Sensor	8W-30-10, 32
Controller Antilock Brake	8W-30-13, 15, 38, 40	Joint Connector No. 1	8W-30-4, 7, 8, 12, 36, 37, 38, 42
Crankshaft Position Sensor	8W-30-13	Joint Connector No. 2	8W-30-2, 3, 11, 17, 18, 19, 22, 23, 24, 25, 26, 27, 28, 29, 35, 37
Cummins Bus	8W-30-29	Joint Connector No. 5	8W-30-16, 41
Data Link Connector	8W-30-2, 15, 16, 40, 41	Joint Connector No. 7	8W-30-15, 40
Daytime Running Lamp Module	8W-30-38	Junction Block	8W-30-2, 3, 11, 13, 16, 36, 39, 41
Engine Control Module	8W-30-3, 7, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41	Leak Detection Pump	8W-30-8
Engine Coolant Temperature Sensor	8W-30-9, 34	Left Speed Control Switch	8W-30-7
Engine Oil Pressure Sensor	8W-30-13, 33	Manifold Absolute Pressure Sensor	8W-30-10, 33
EVAP/Purge Solenoid	8W-30-13	Output Speed Sensor	8W-30-5
Fuel Heater	8W-30-36	Overdrive Switch	8W-30-6
Fuel Heater Relay	8W-30-36	Overhead Console	8W-30-15, 40
Fuel Injection Pump	8W-30-31, 37	Oxygen Sensor 1/1 Left Bank Up	8W-30-18, 20, 21, 22
Fuel Injector No. 1	8W-30-23, 26	Oxygen Sensor 1/1 Upstream	8W-30-17
Fuel Injector No. 2	8W-30-24, 27	Oxygen Sensor 1/2 Downstream	8W-30-17
Fuel Injector No. 3	8W-30-23, 26	Oxygen Sensor 1/2 Left Bank Down	8W-30-20
Fuel Injector No. 4	8W-30-24, 27	Oxygen Sensor 1/2 Pre- Catalyst	8W-30-21
Fuel Injector No. 5	8W-30-23, 26	Oxygen Sensor 1/3 Post- Catalyst	8W-30-21
Fuel Injector No. 6	8W-30-24, 27	Oxygen Sensor 2/1 Right Bank Up	8W-30-18, 20, 21, 22
Fuel Injector No. 7	8W-30-23, 26	Oxygen Sensor 2/2 Right Bank Down	8W-30-20
Fuel Injector No. 8	8W-30-24, 27	Oxygen Sensor Downstream Relay	8W-30-19, 21
Fuel Injector No. 9	8W-30-26	Park/Neutral Position Switch	8W-30-13, 38
Fuel Injector No. 10	8W-30-27	Power Distribution Center	8W-30-2, 3, 11, 17, 18, 19, 22, 23, 24, 25, 26, 27, 28, 29, 36, 37
Fuel Pump Module	8W-30-12	Powertrain Control Module	8W-30-2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41, 42
Fuel Pump Relay	8W-30-3, 11, 12, 31, 37	PTO Switch	8W-30-14, 34
Fuel Tank Module	8W-30-42	Radio	8W-30-15, 40
Fuel Transfer Pump	8W-30-34	Right Speed Control Switch	8W-30-7
Fuse 3 (PDC)	8W-30-2, 11, 29, 37	Speed Control Servo	8W-30-5
Fuse 6 (PDC)	8W-30-3	Throttle Position Sensor	8W-30-14
Fuse 7 (PDC)	8W-30-36	Transmission Control Relay	8W-30-5
Fuse 9 (JB)	8W-30-2, 3, 11, 36	Transmission Solenoid Assembly	8W-30-6, 14, 39
Fuse 11 (JB)	8W-30-13, 36, 39	Water In Fuel Sensor	8W-30-34
Fuse 12 (JB)	8W-30-16, 41		
Fuse K (PDC)	8W-30-17, 18, 19, 20, 22		
Fusible Link	8W-30-35		
G100	8W-30-12		
G102	8W-30-36, 37		



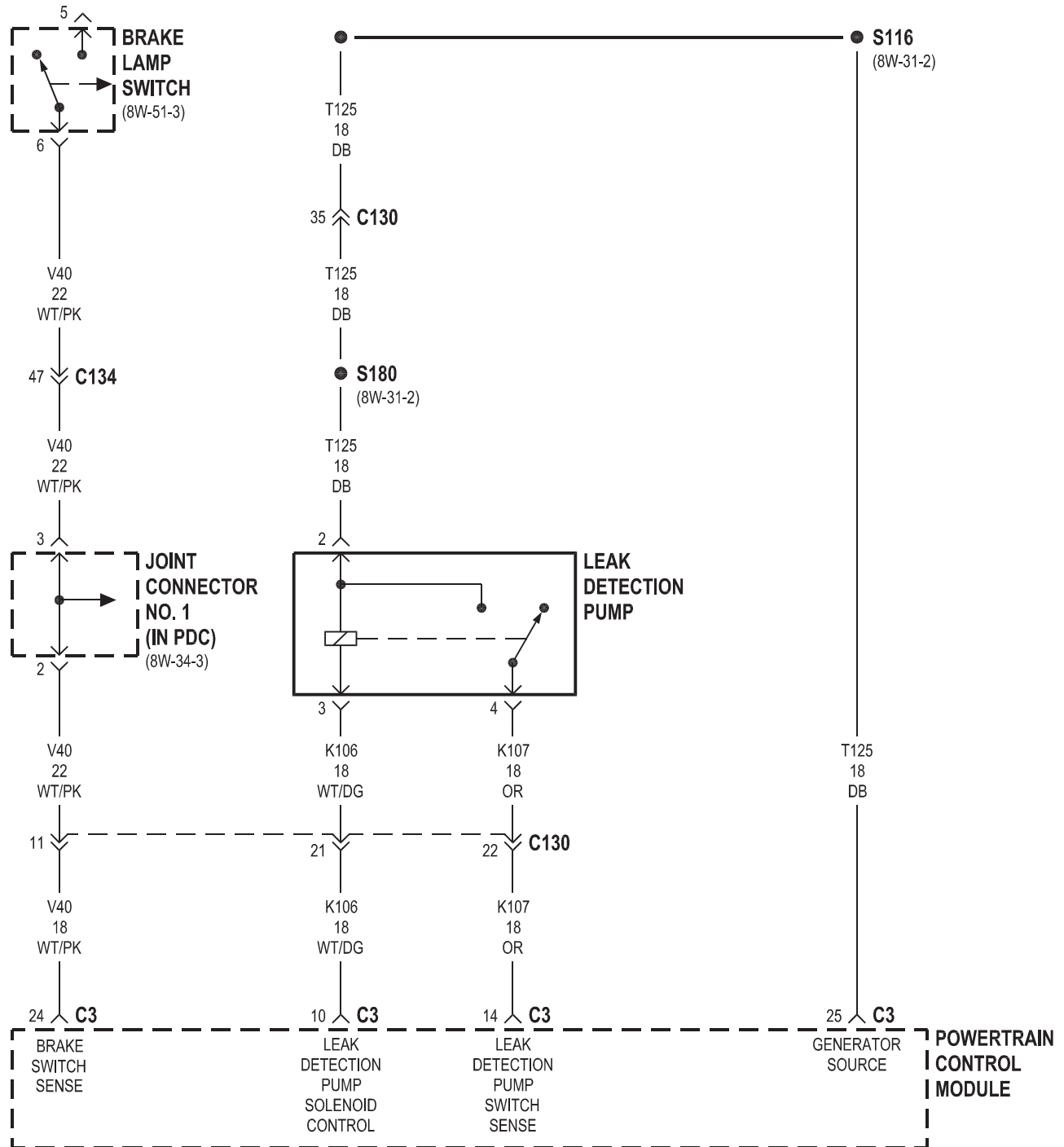


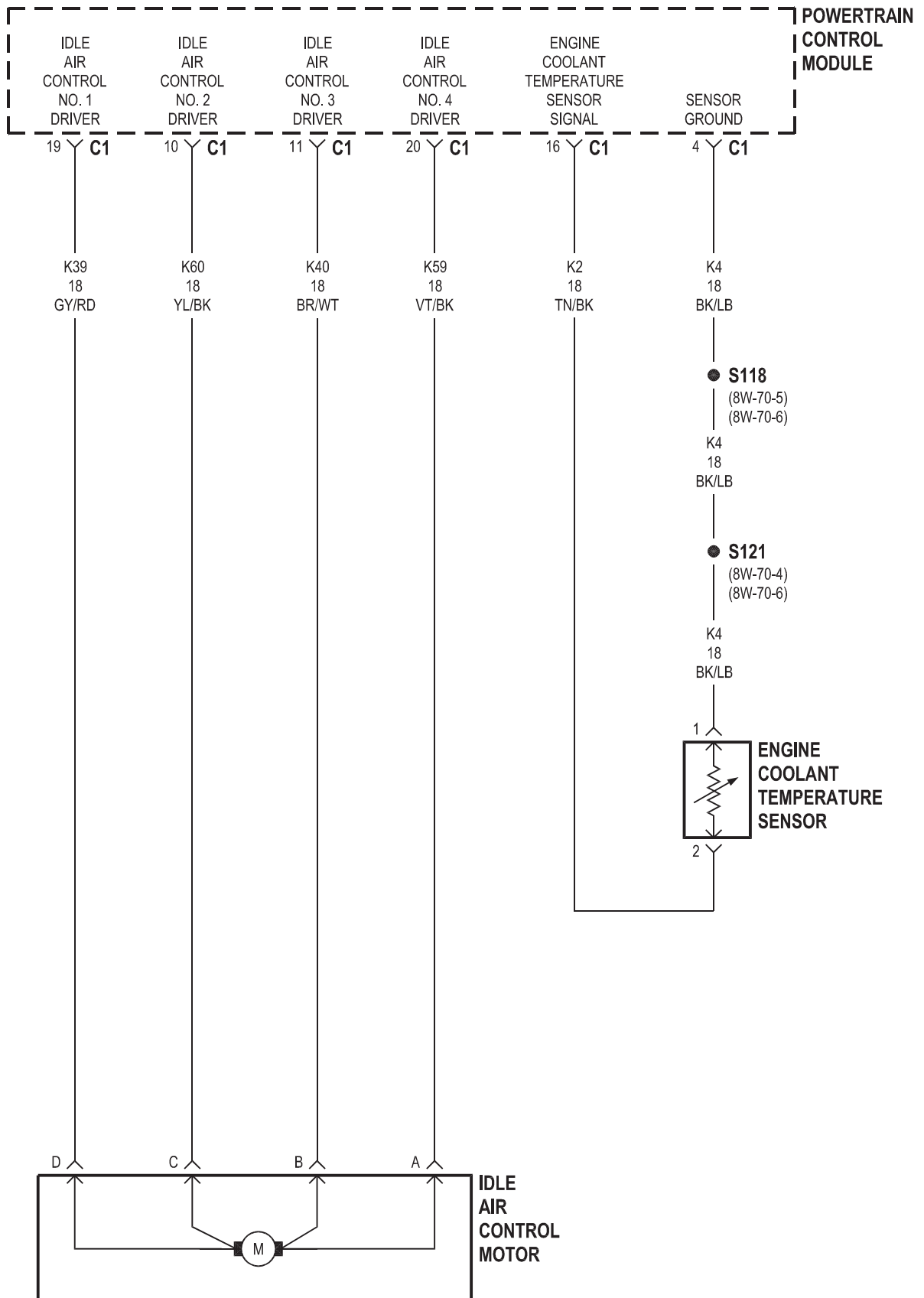


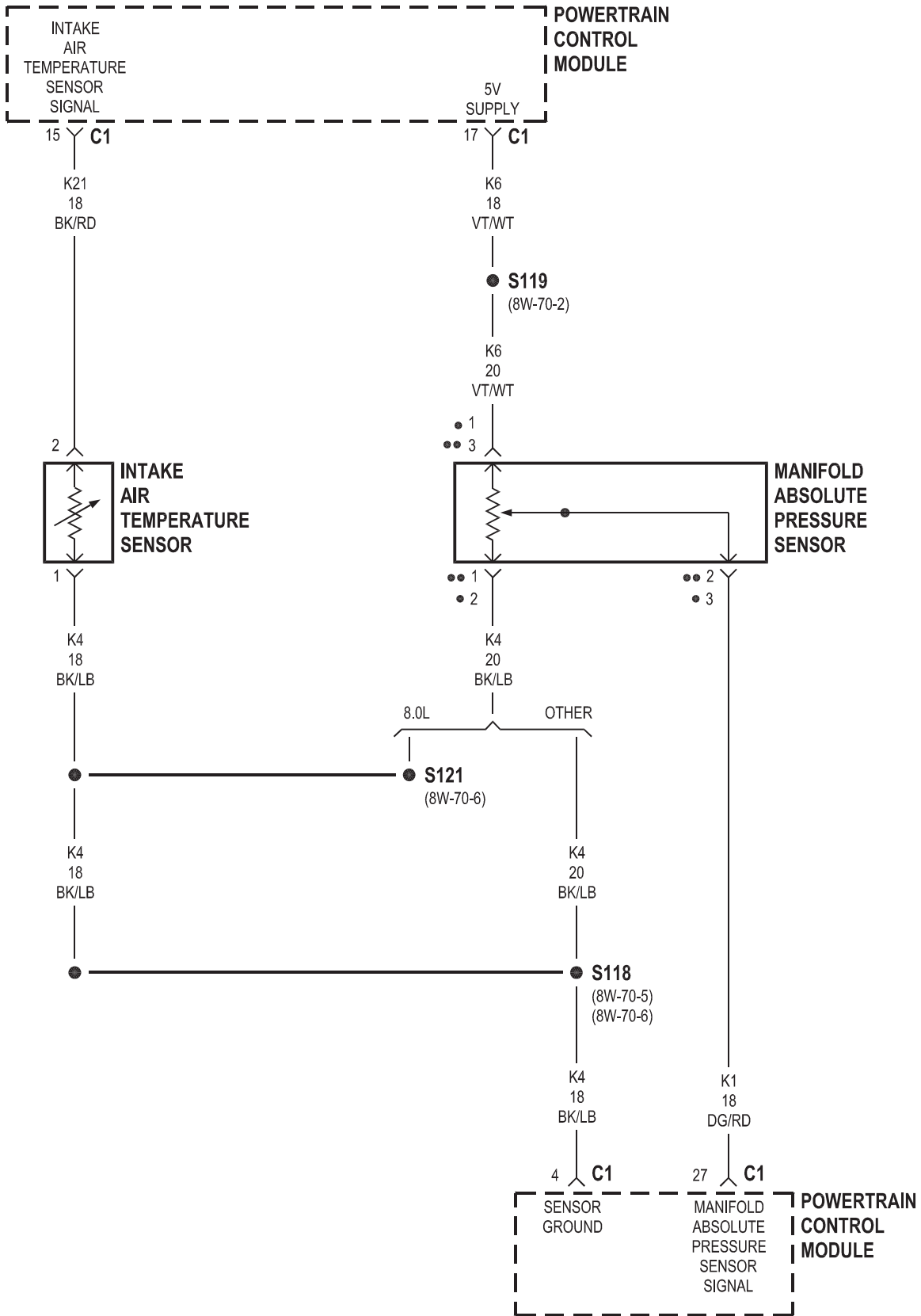




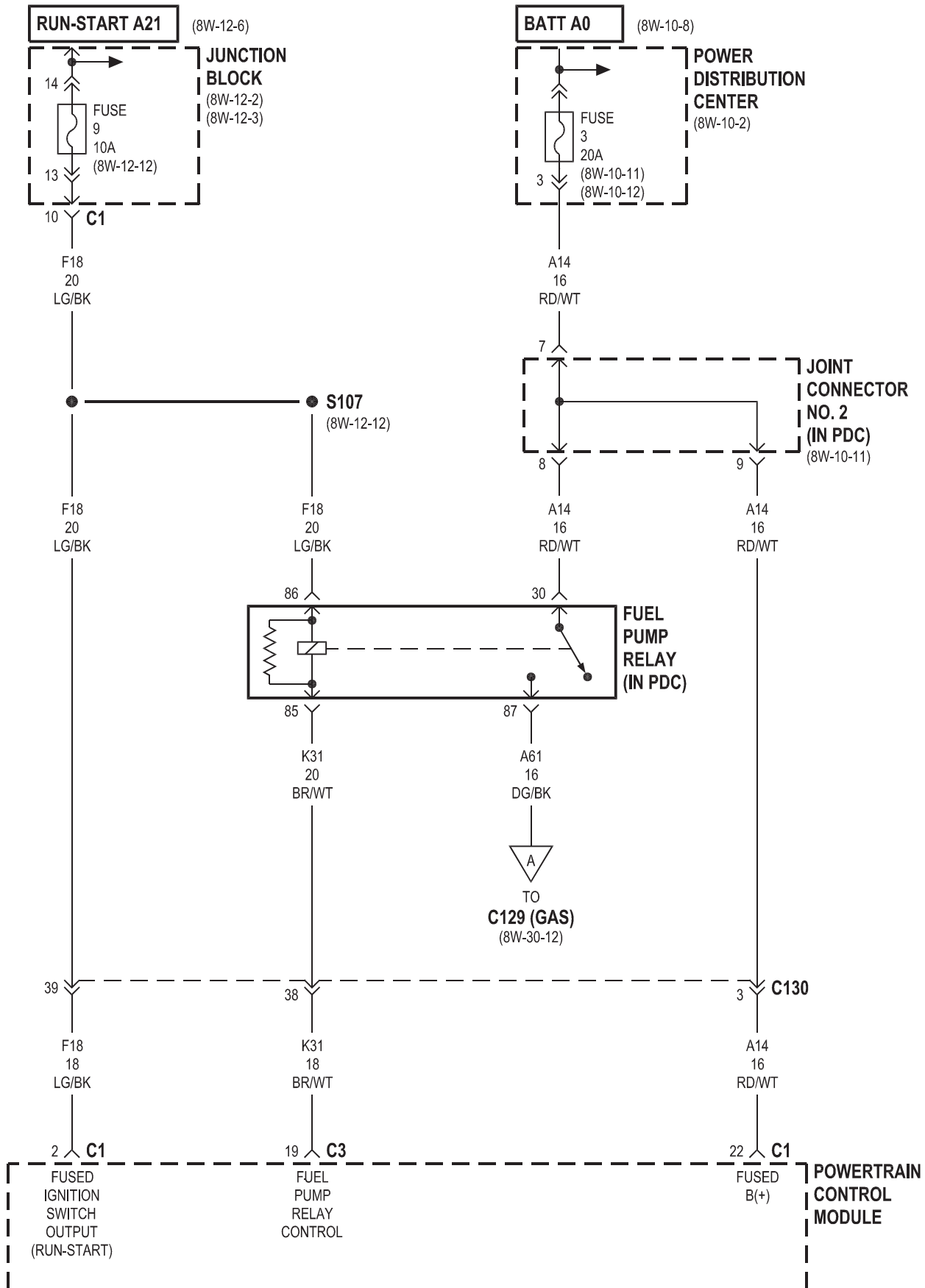


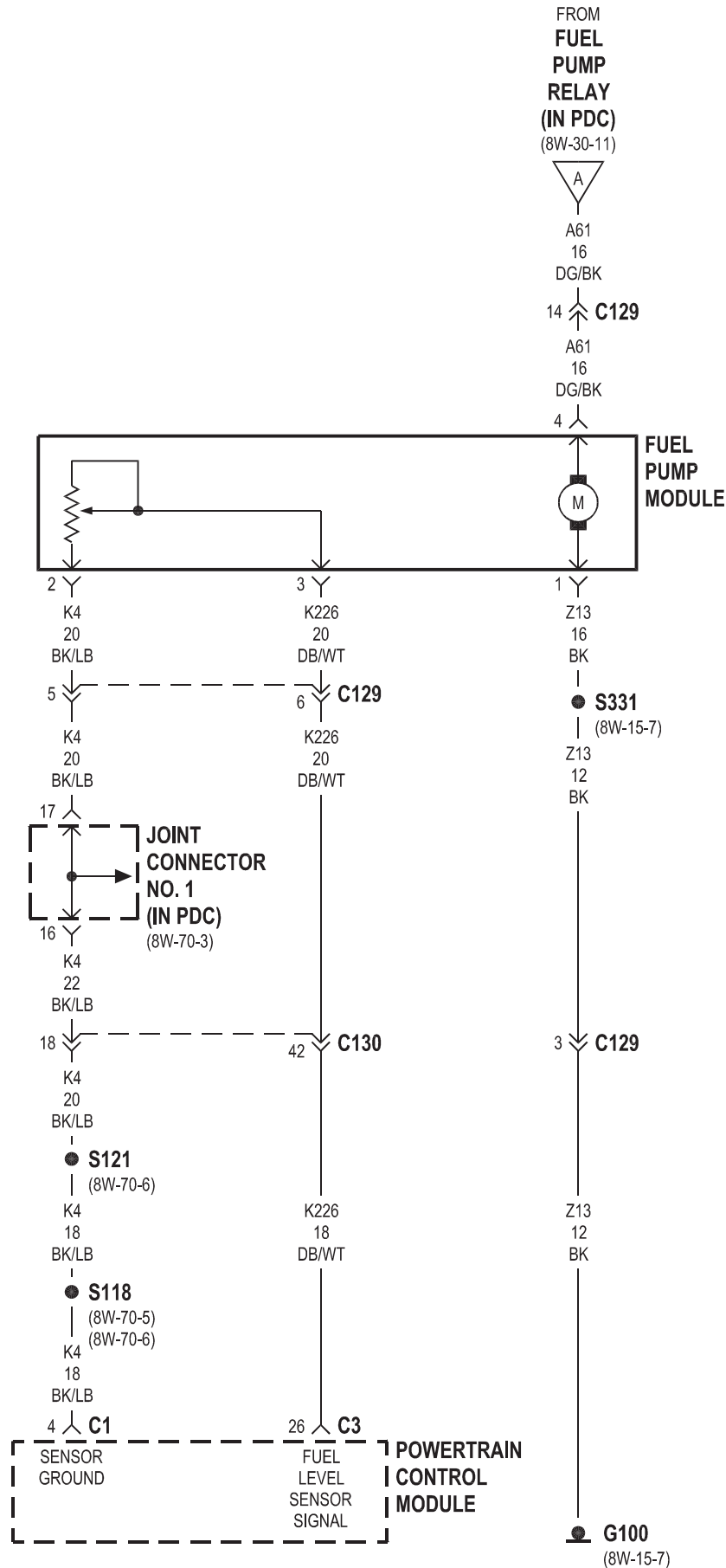




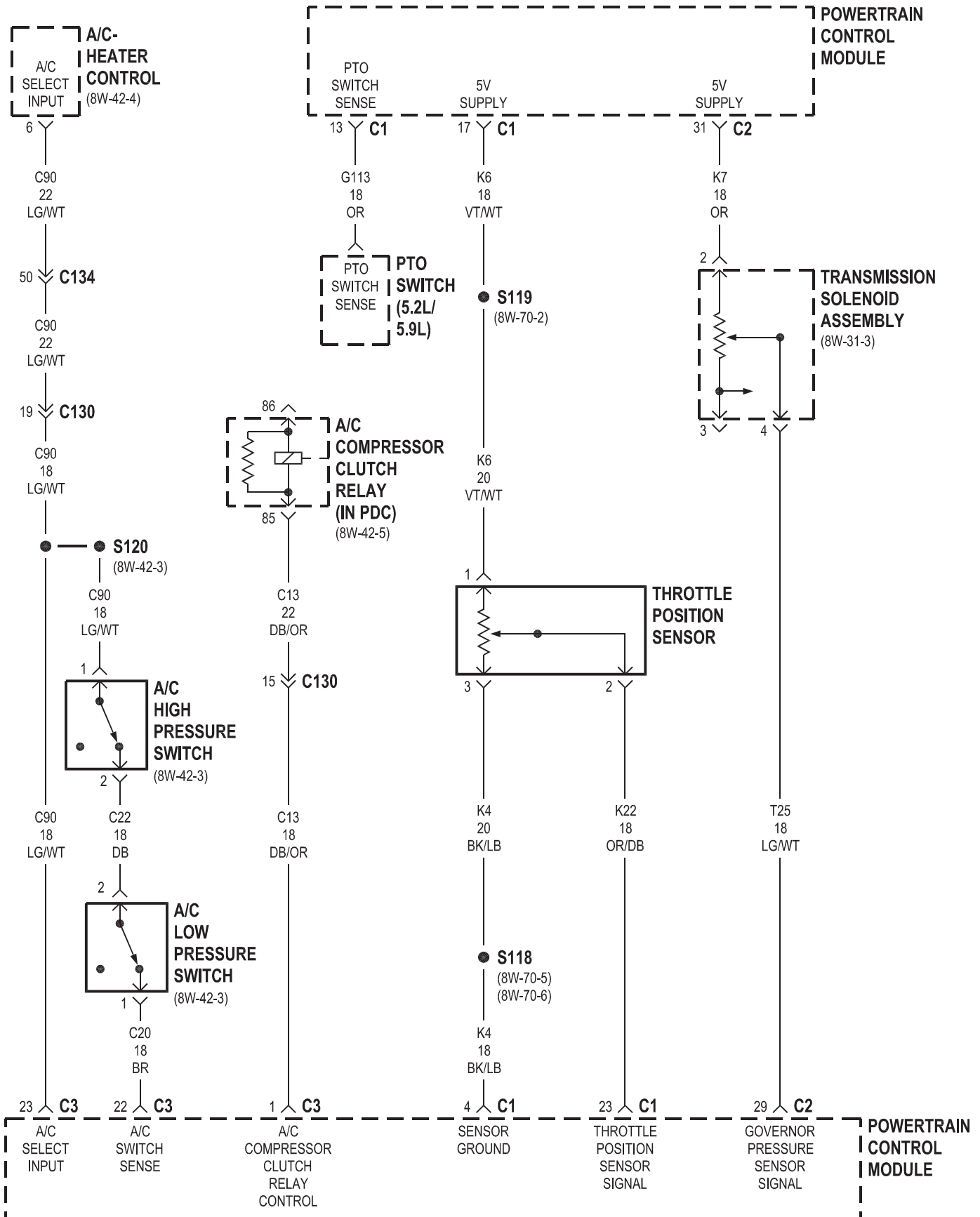


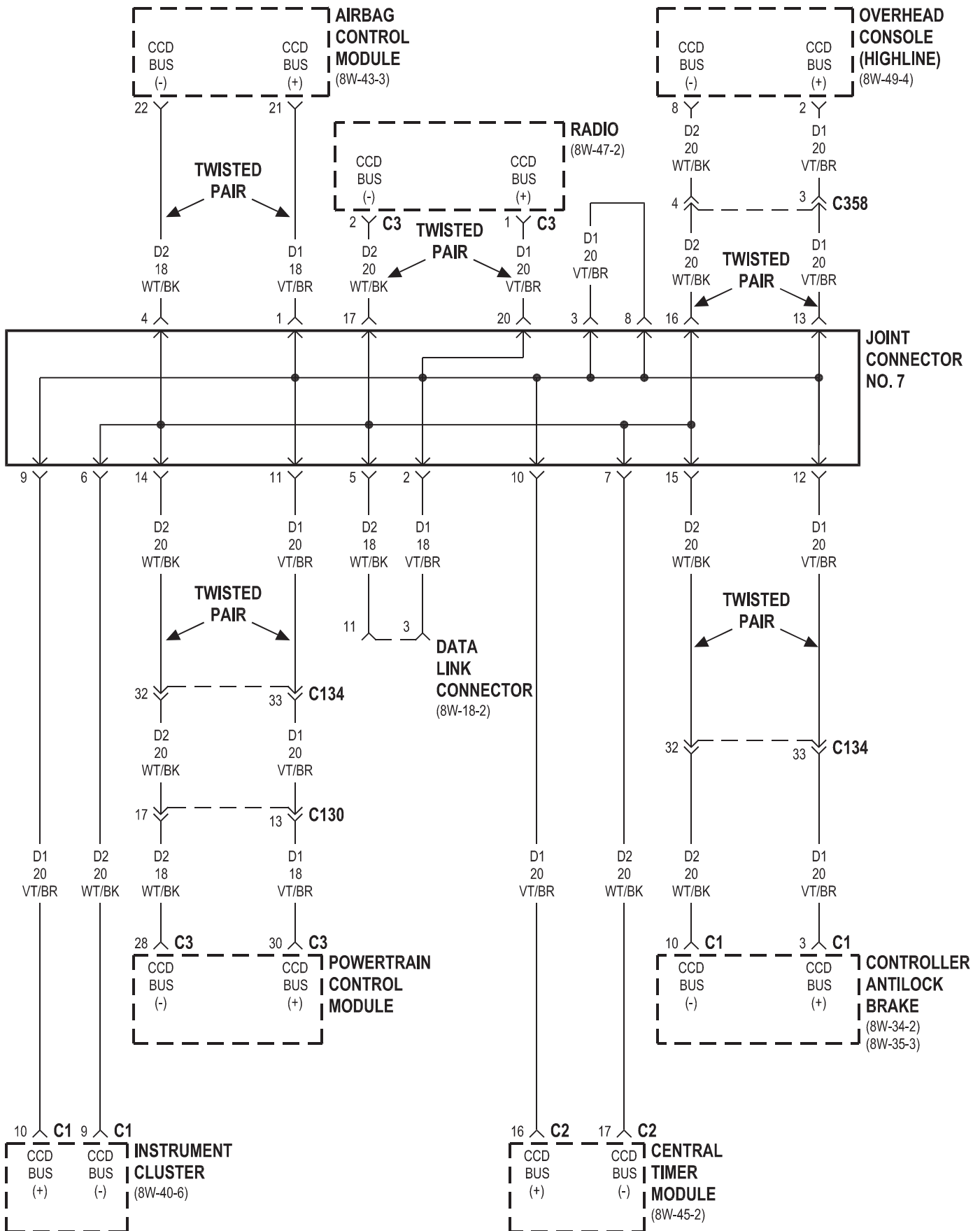
• 8.0L
•• EXCEPT 8.0L

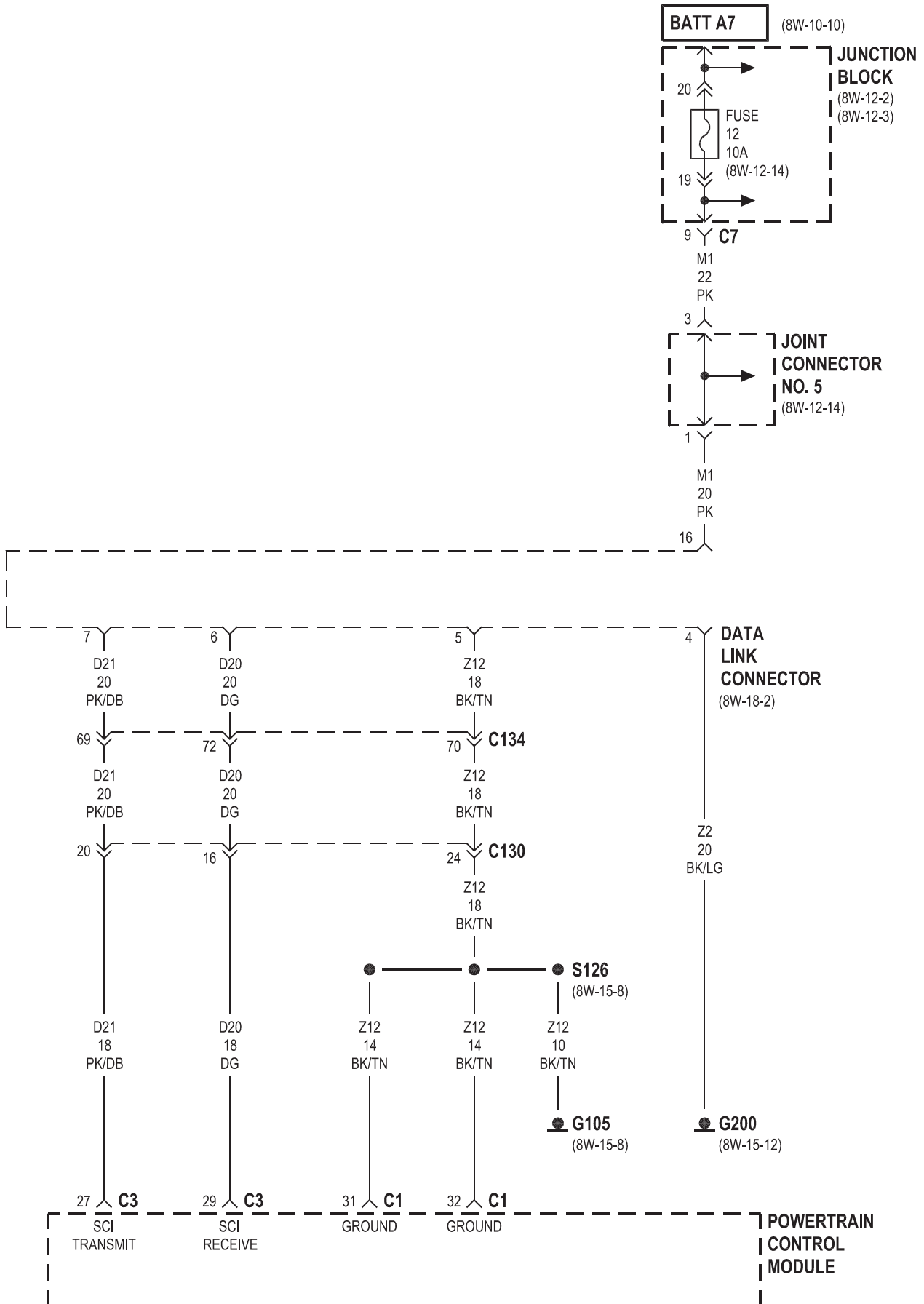


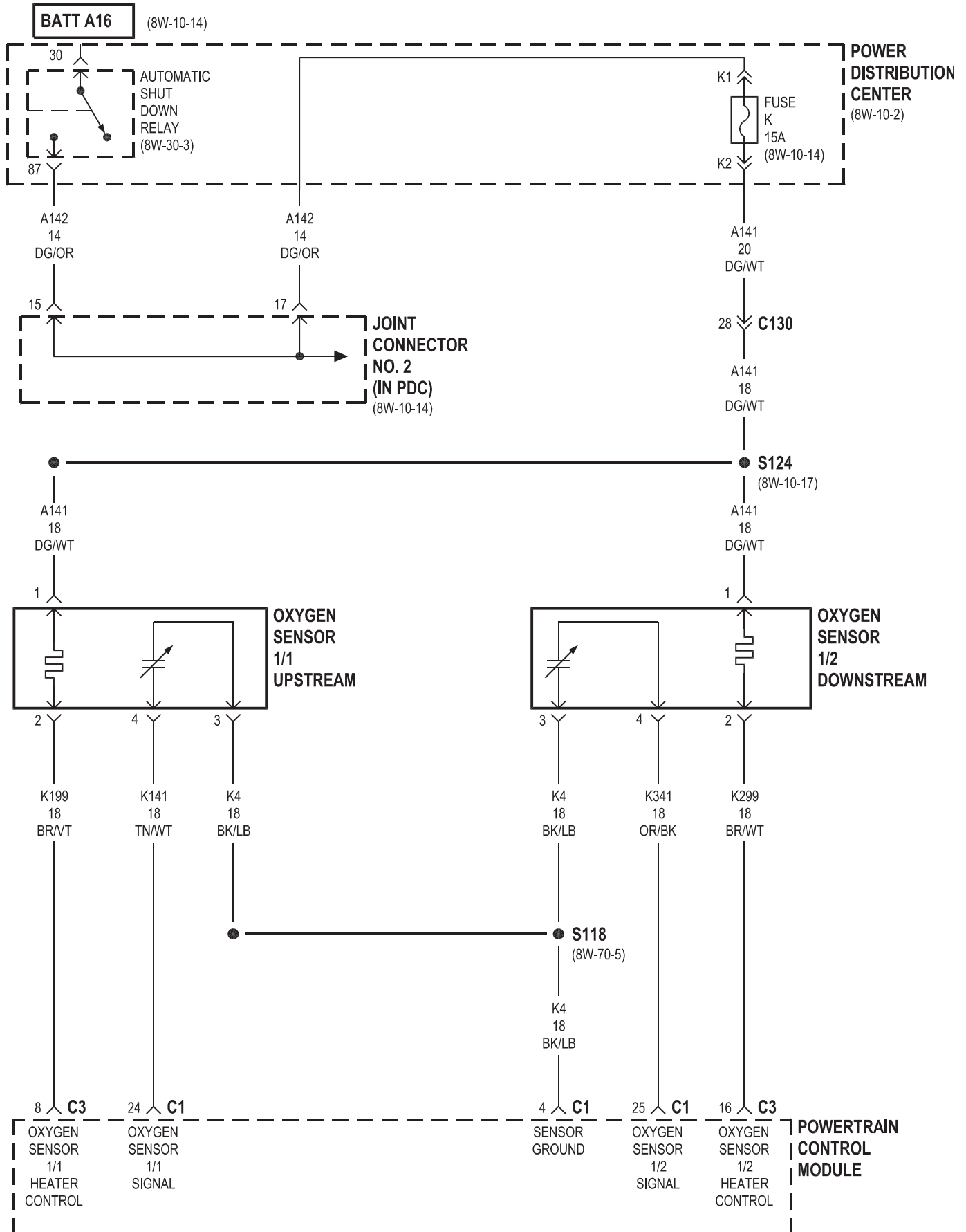


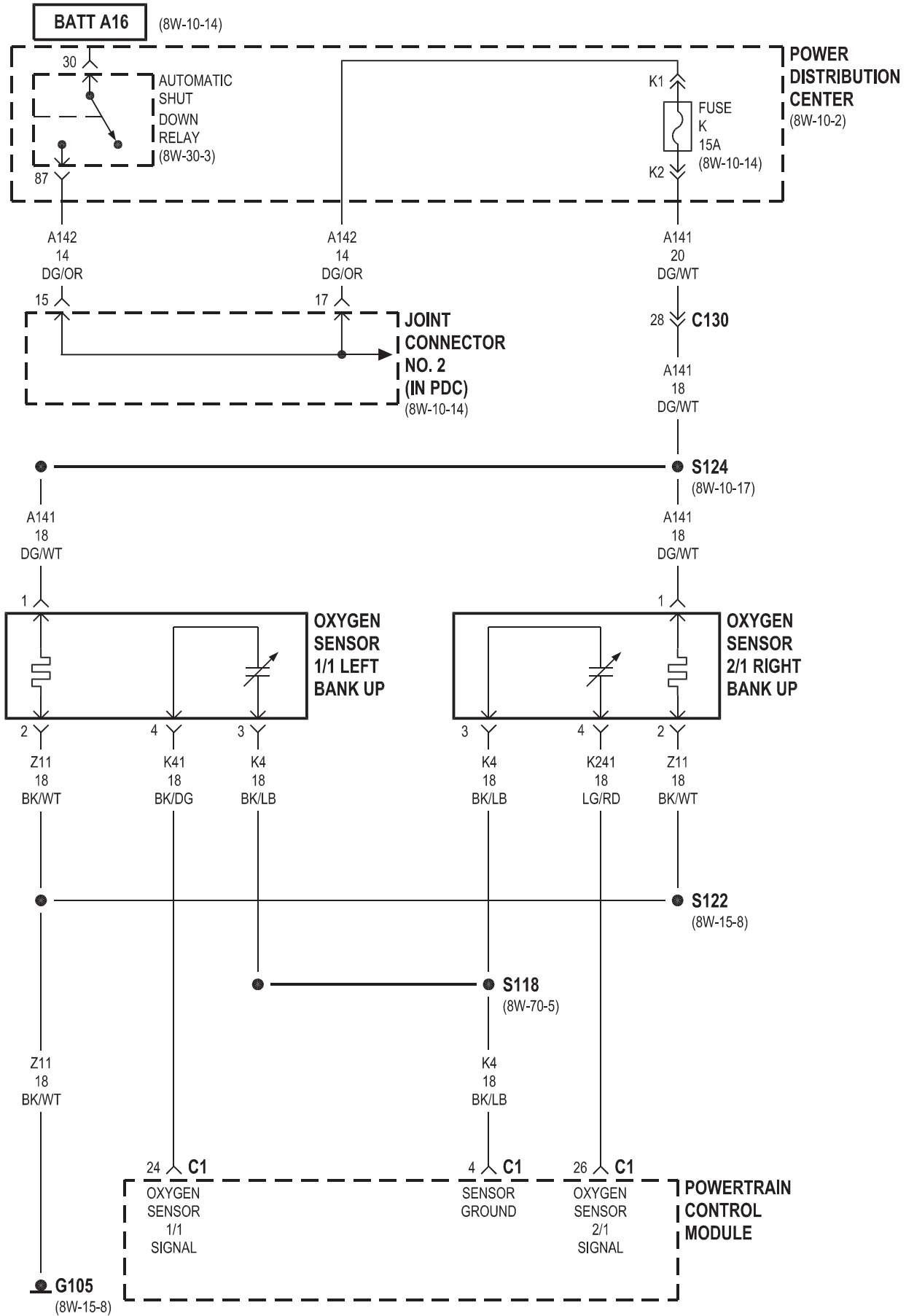


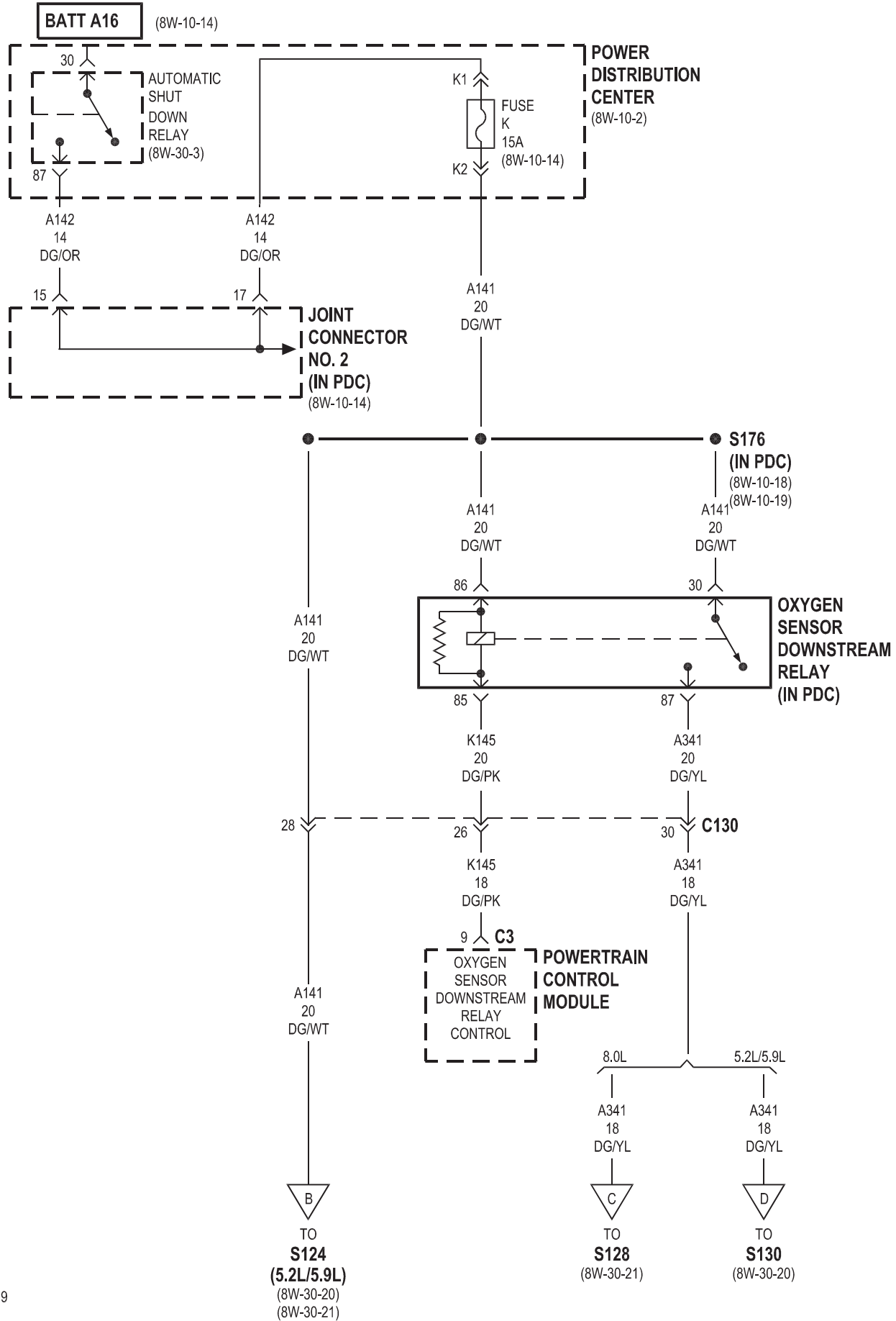








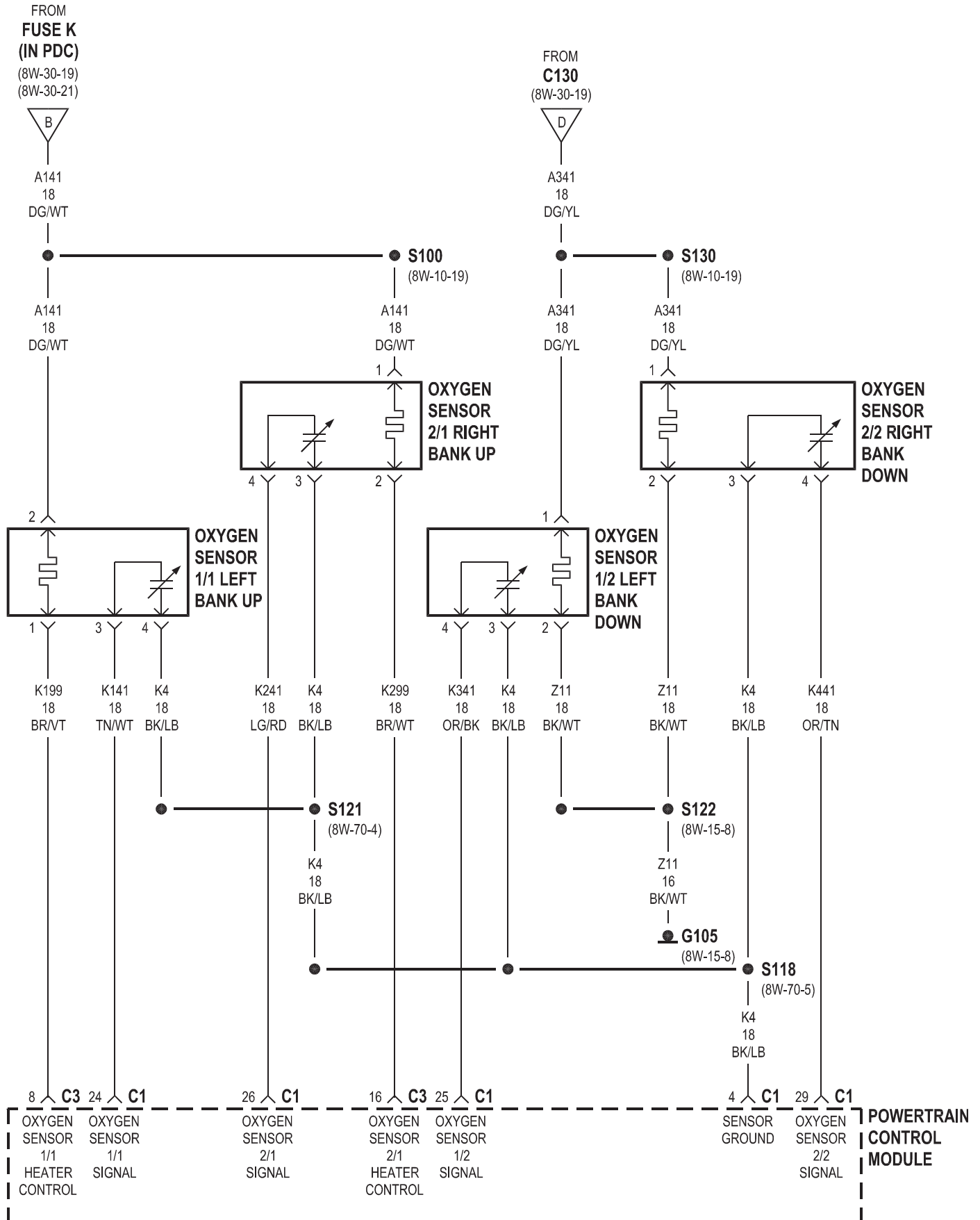


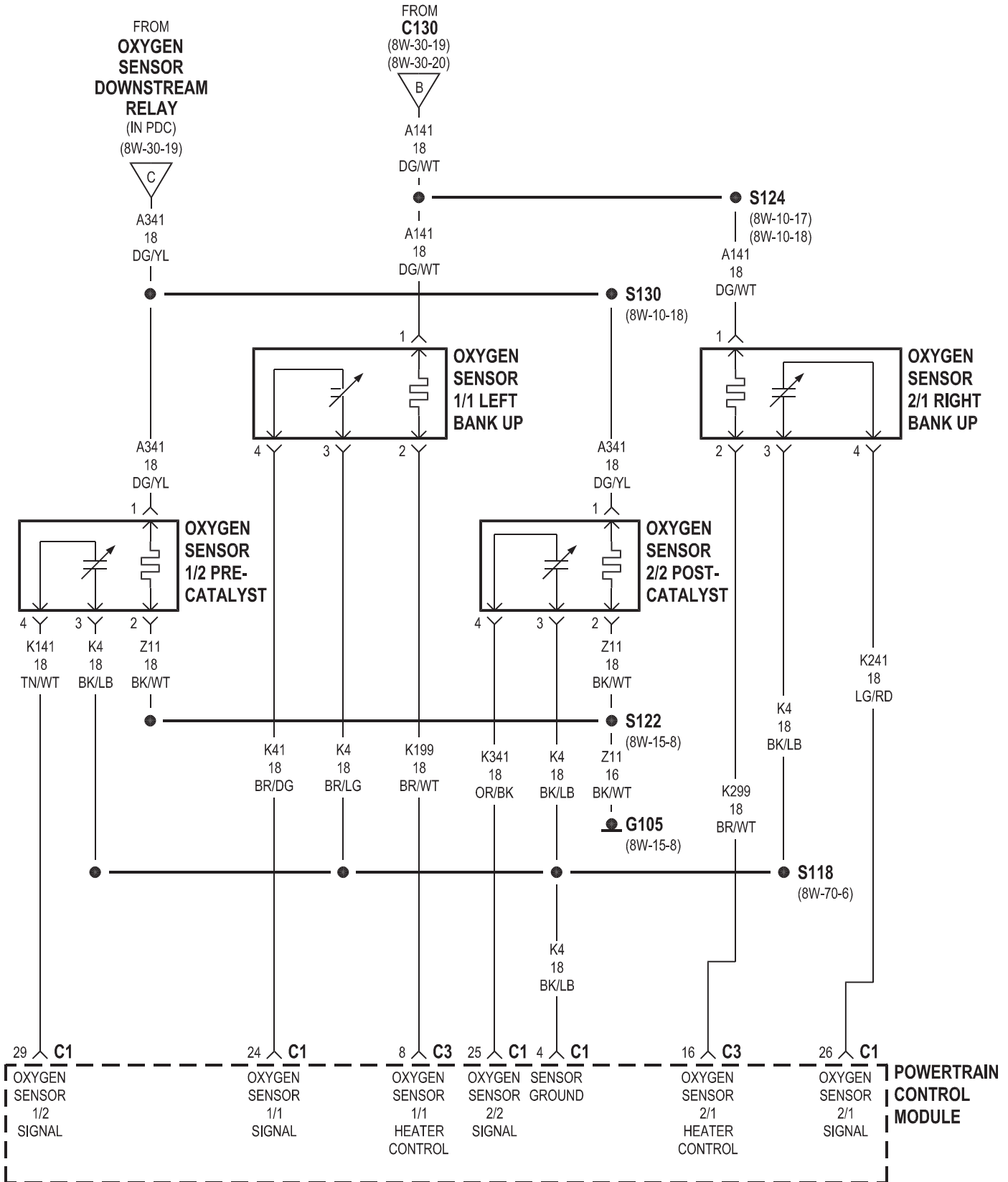


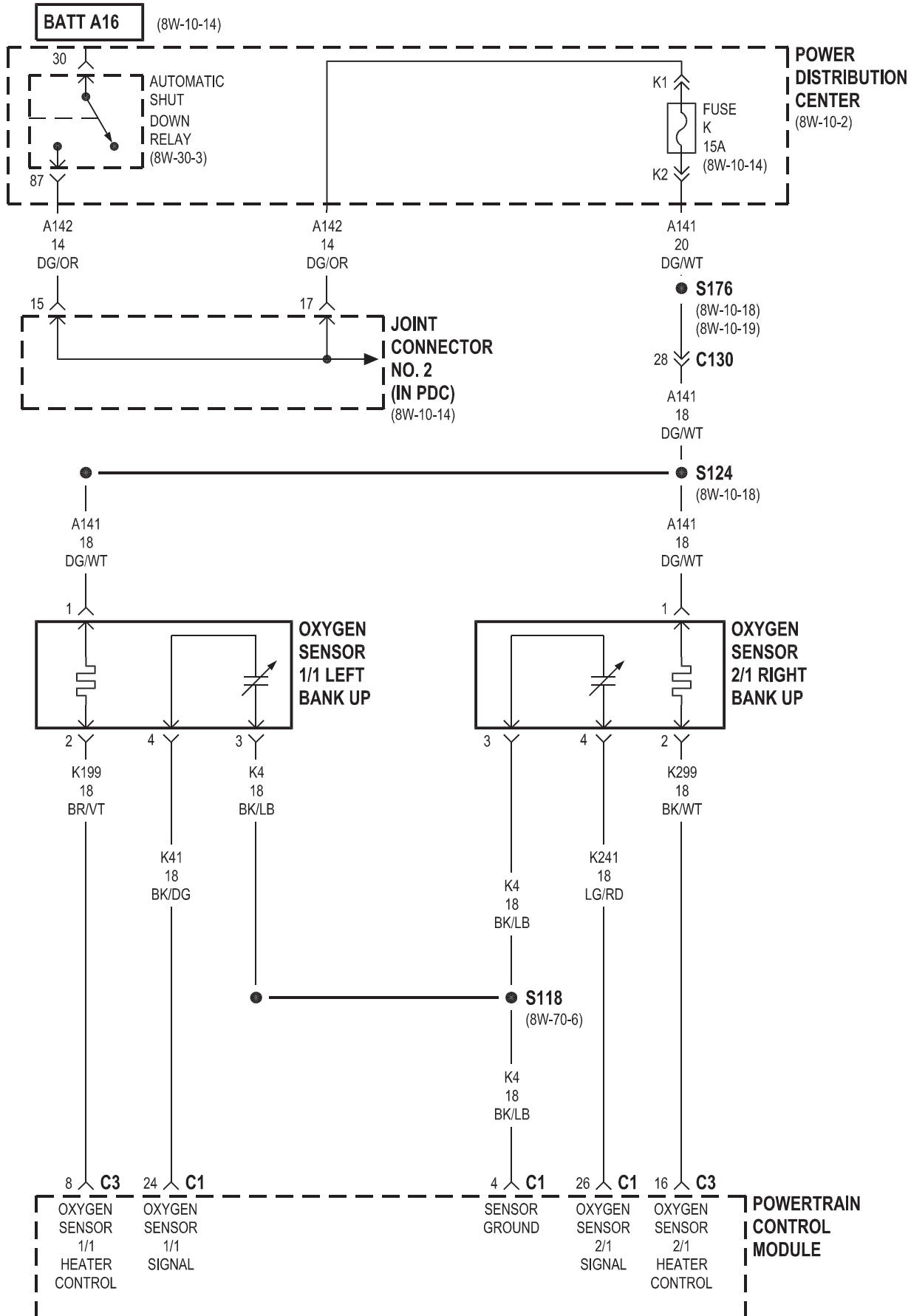
8W - 30 - 20

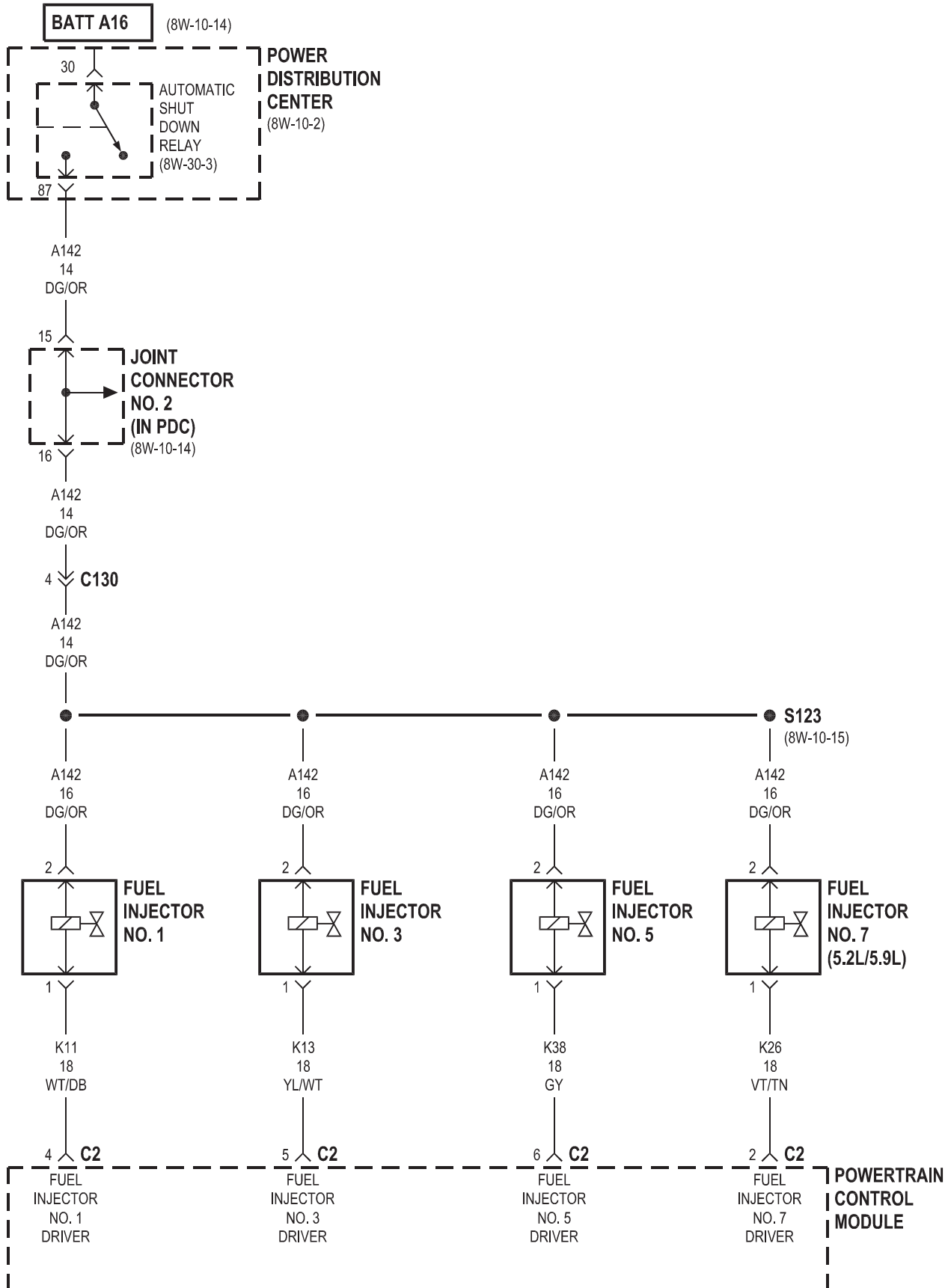
8W-30 FUEL/IGNITION SYSTEM 5.9L/8.0L A/T CALIFORNIA

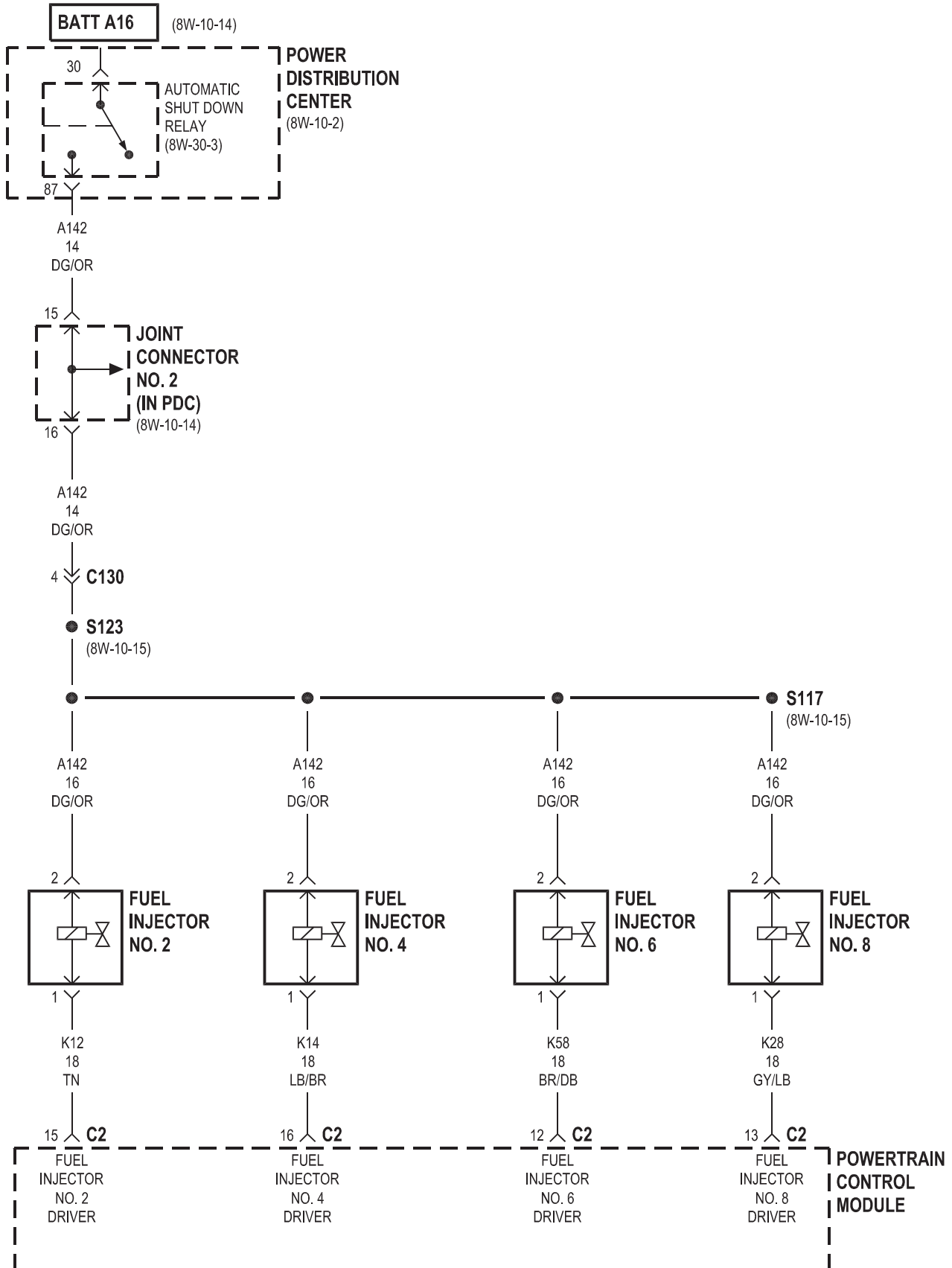
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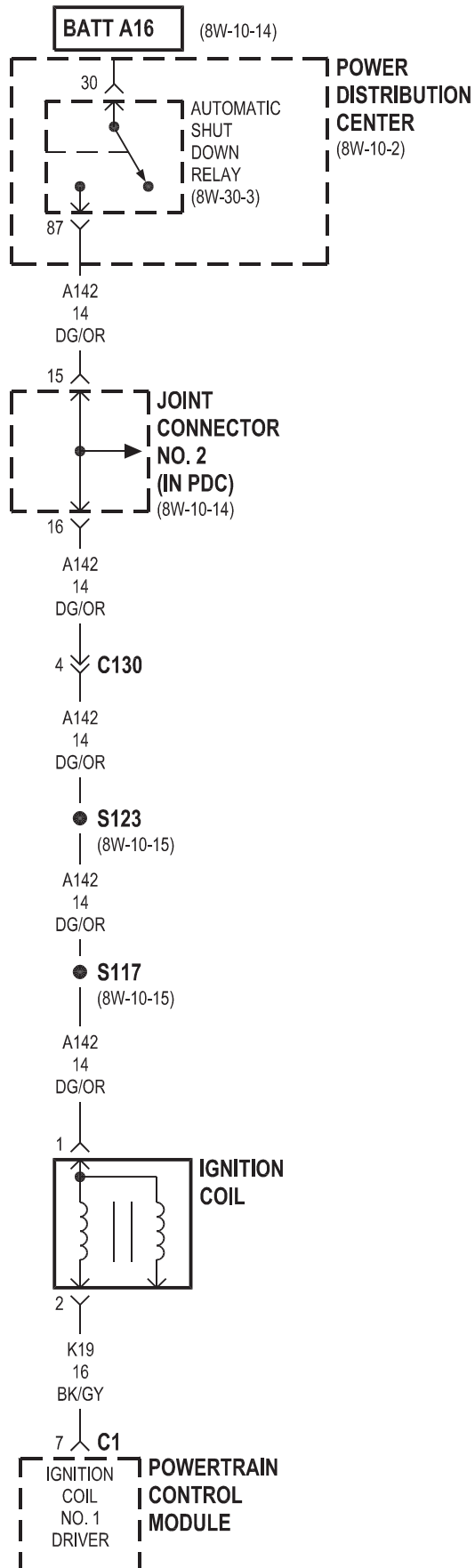


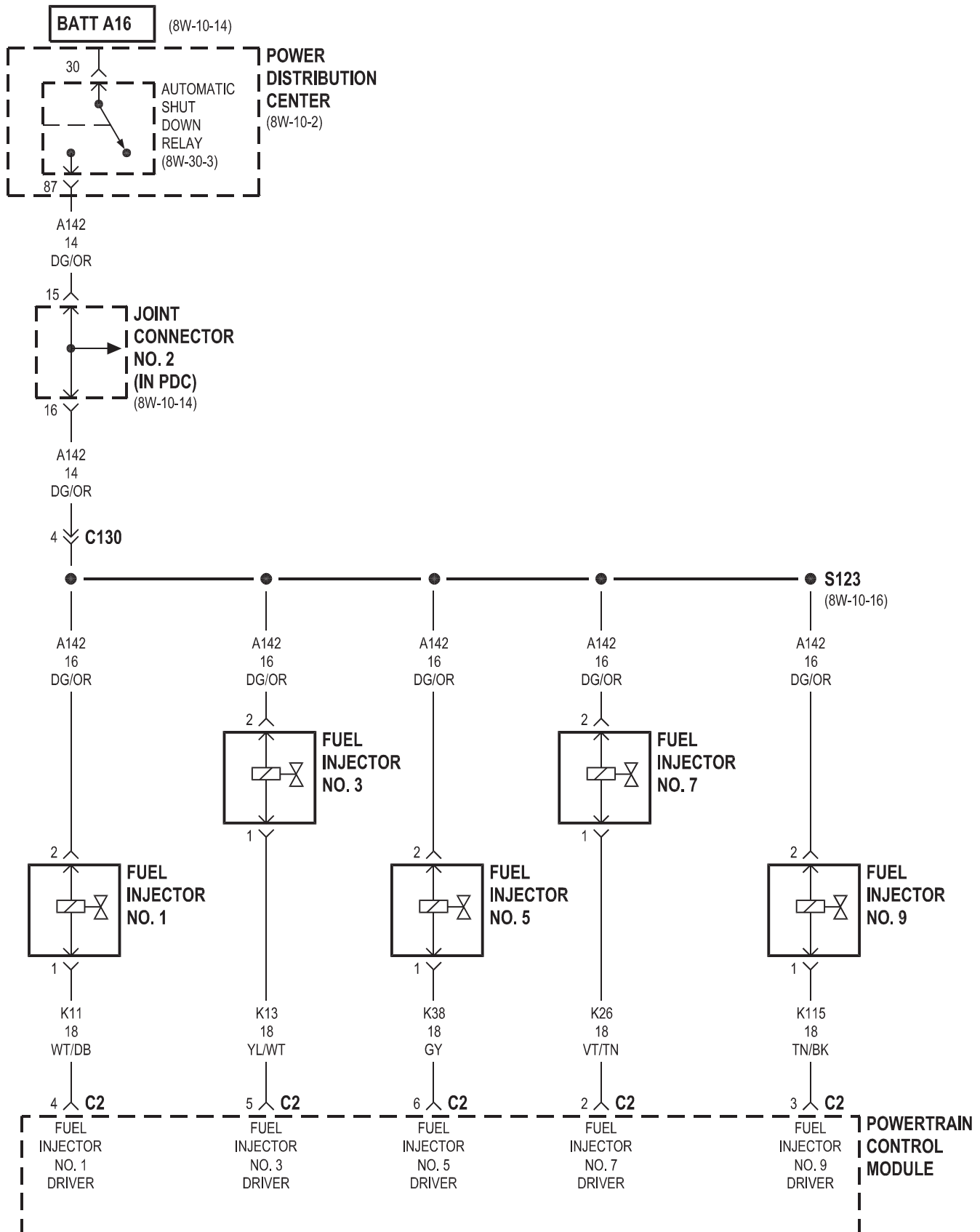


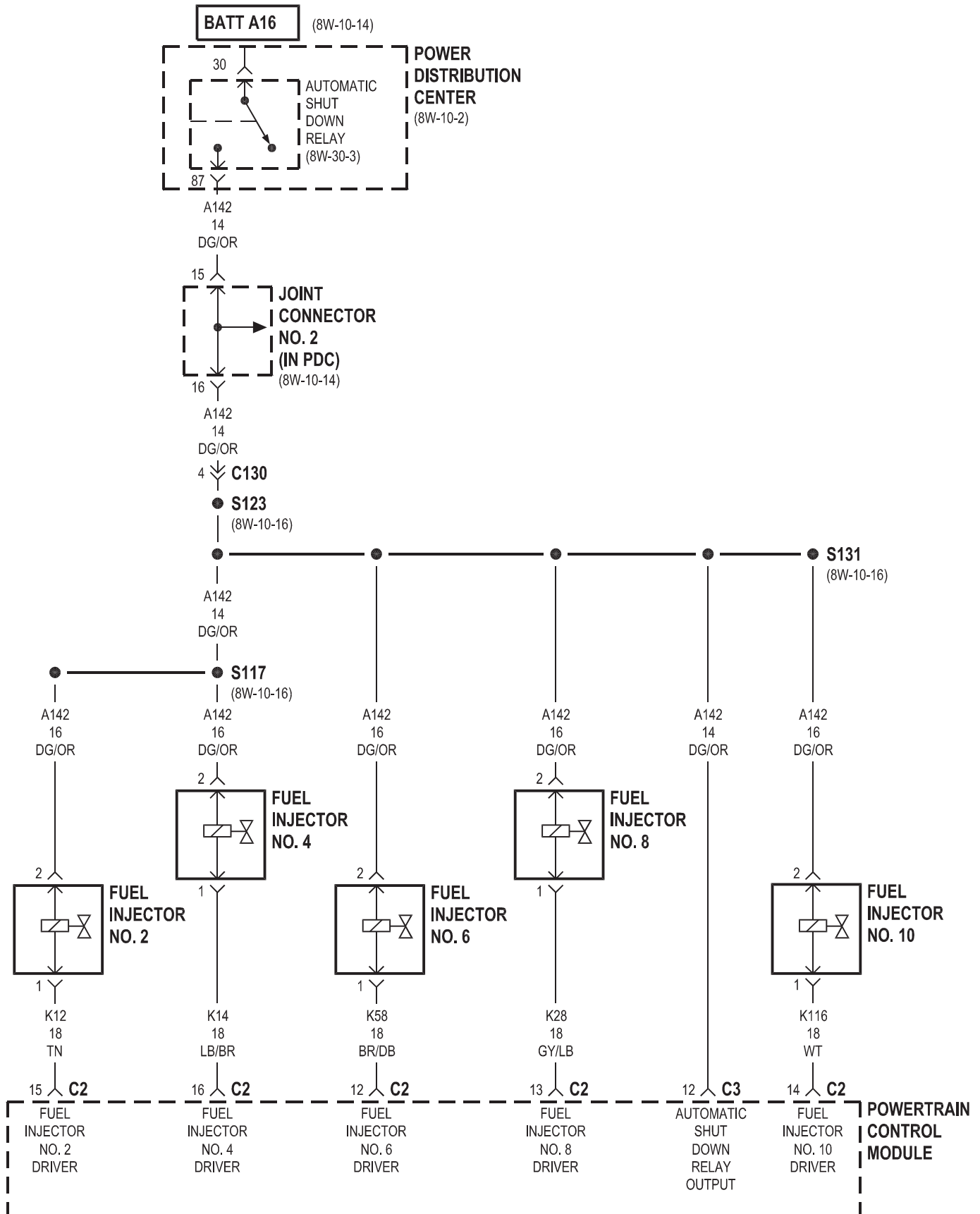


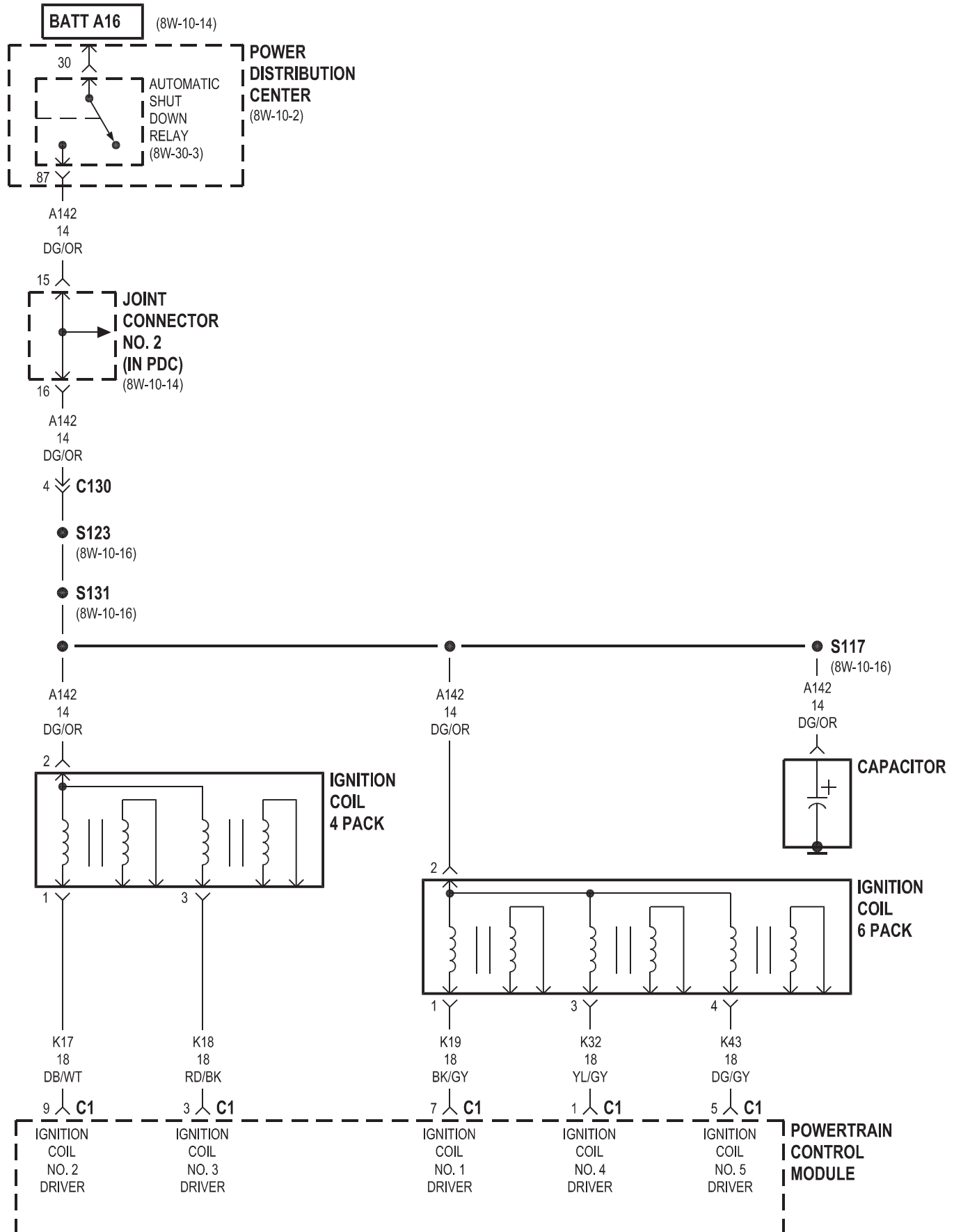


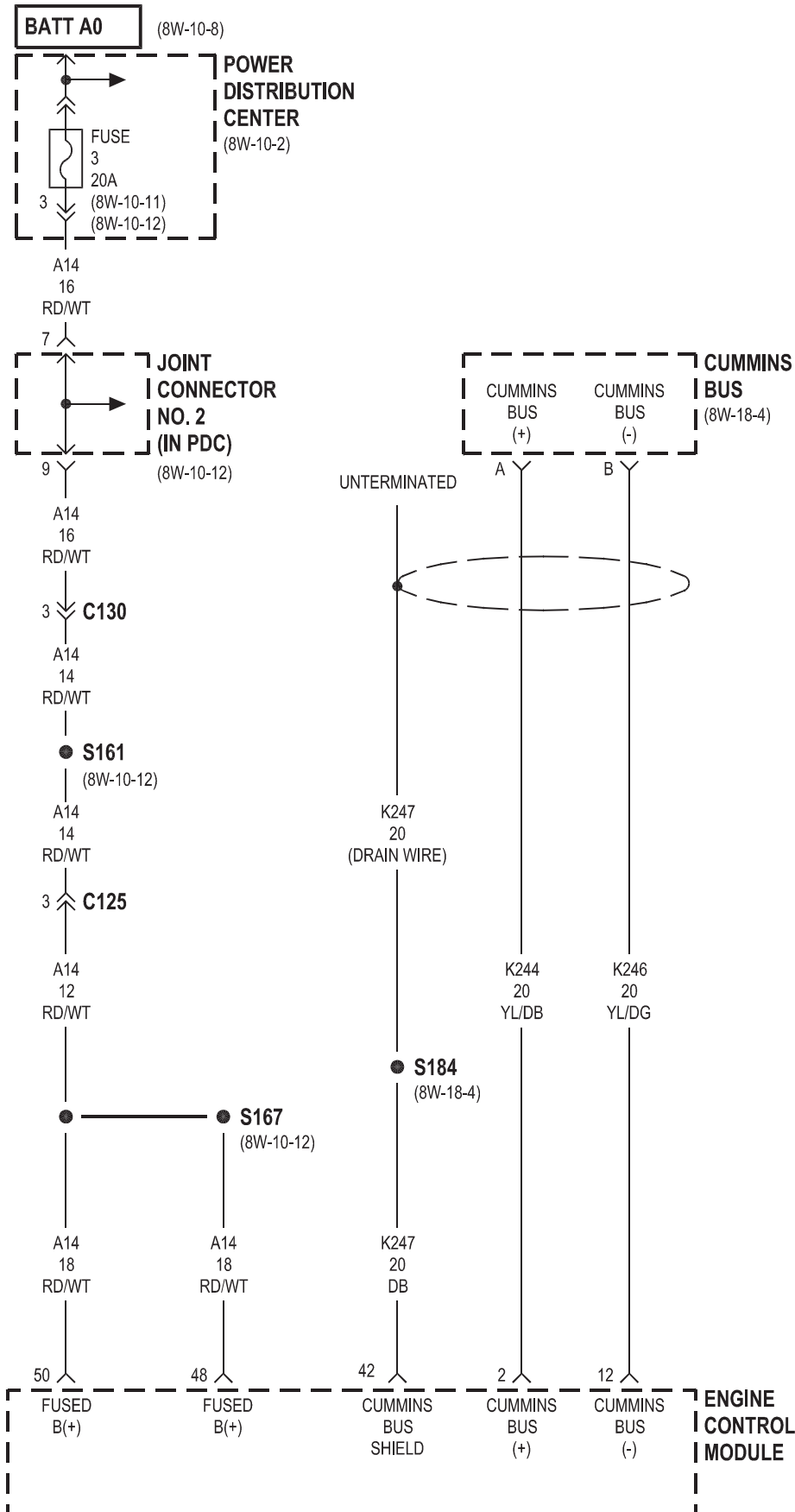


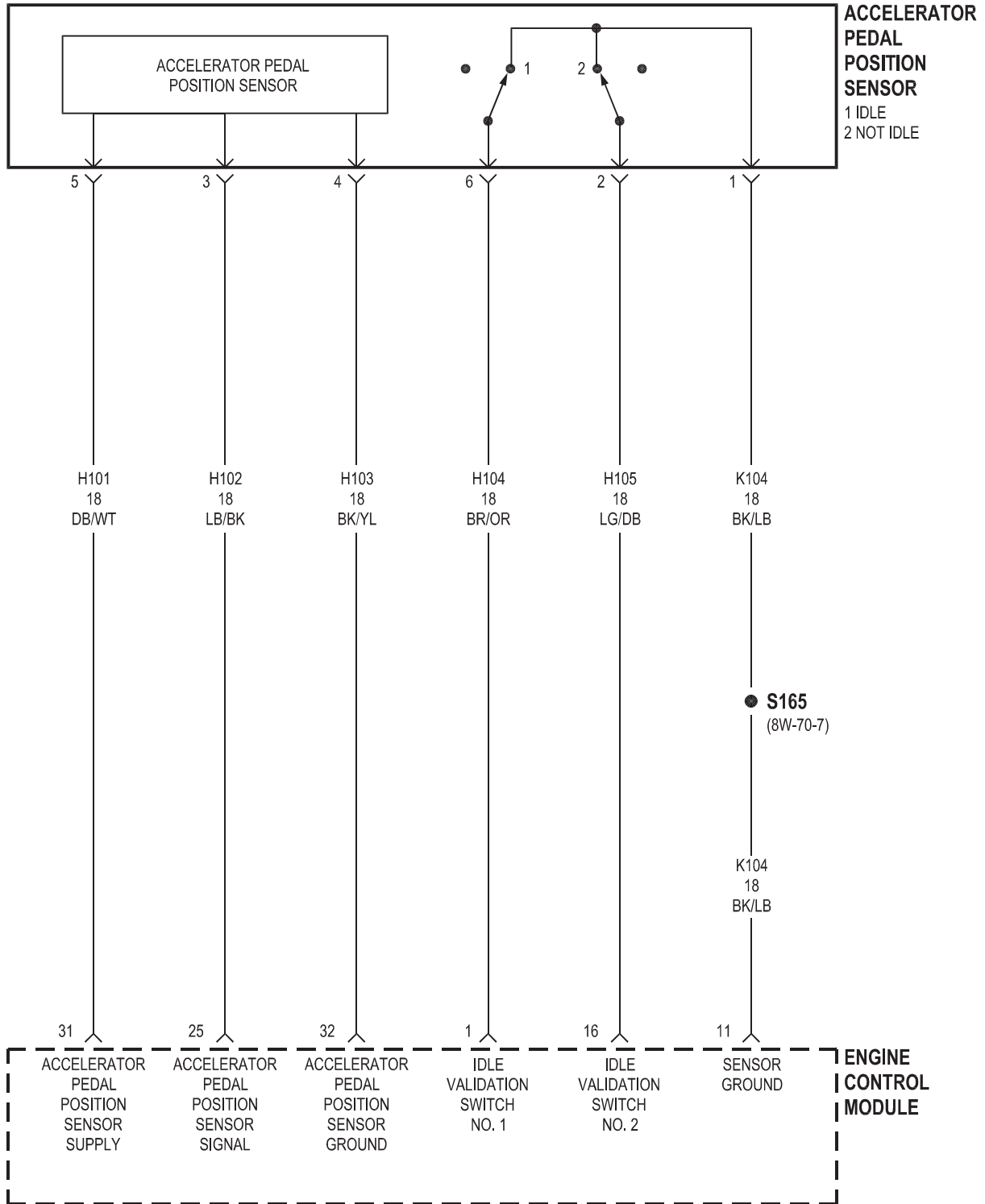


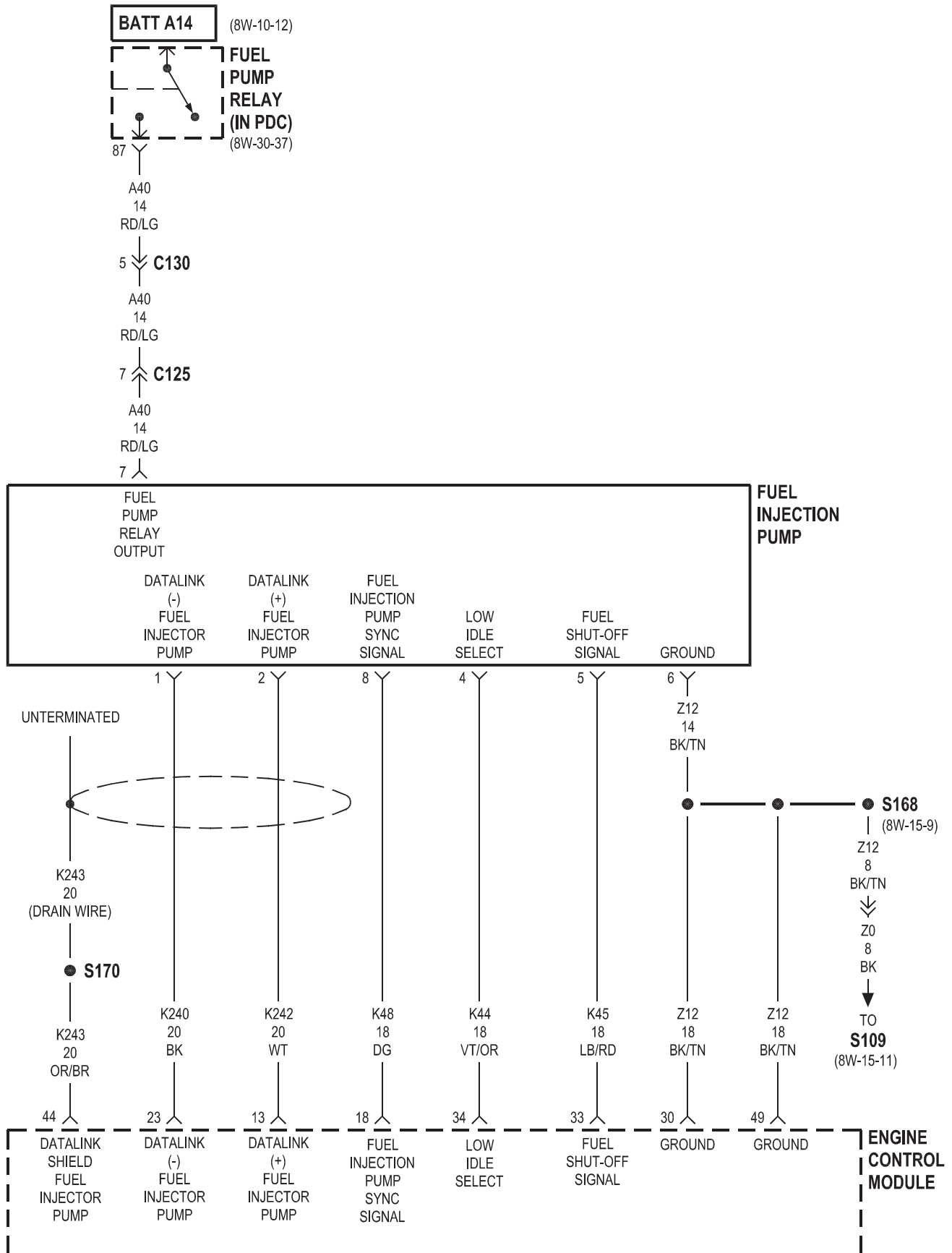


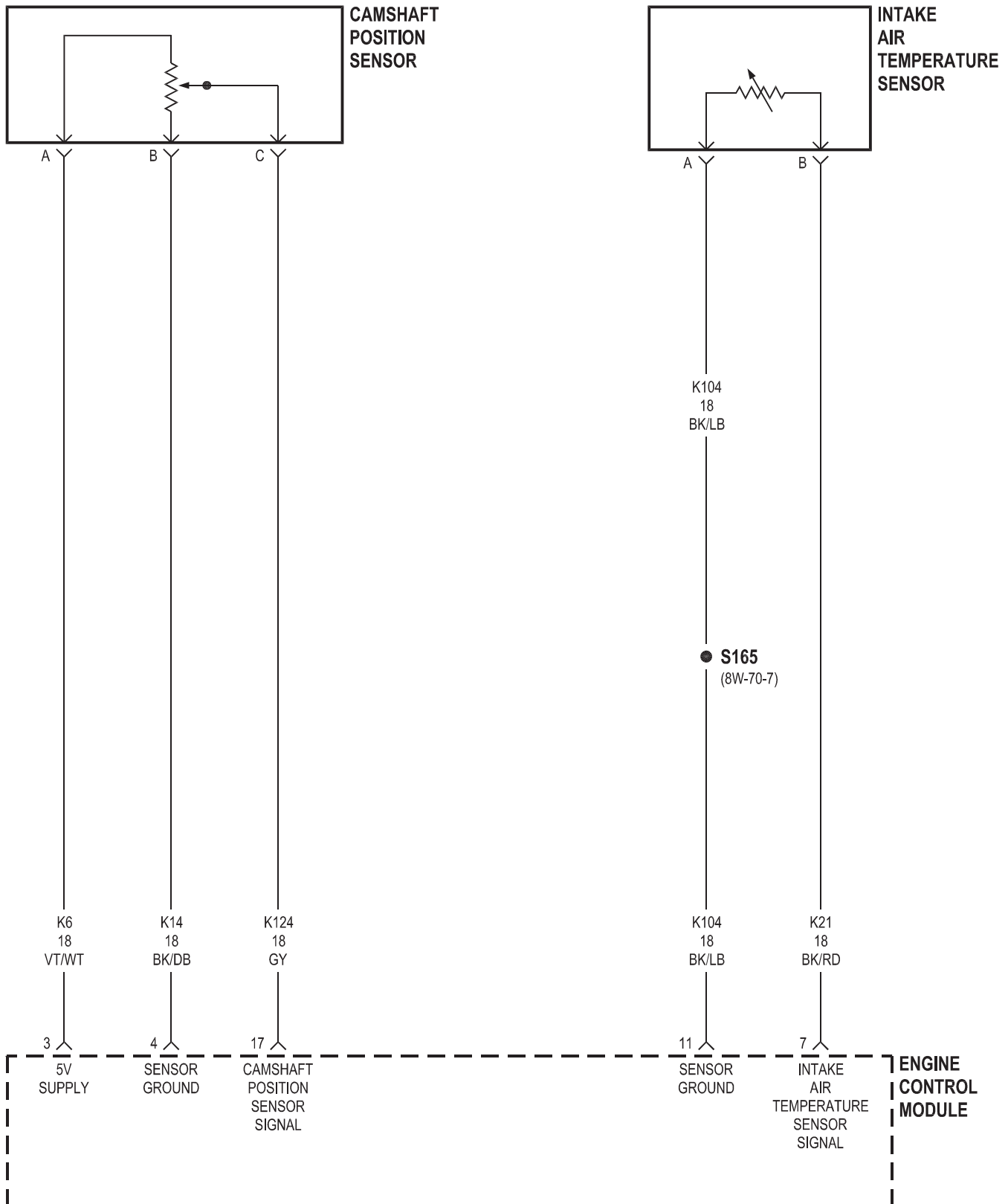


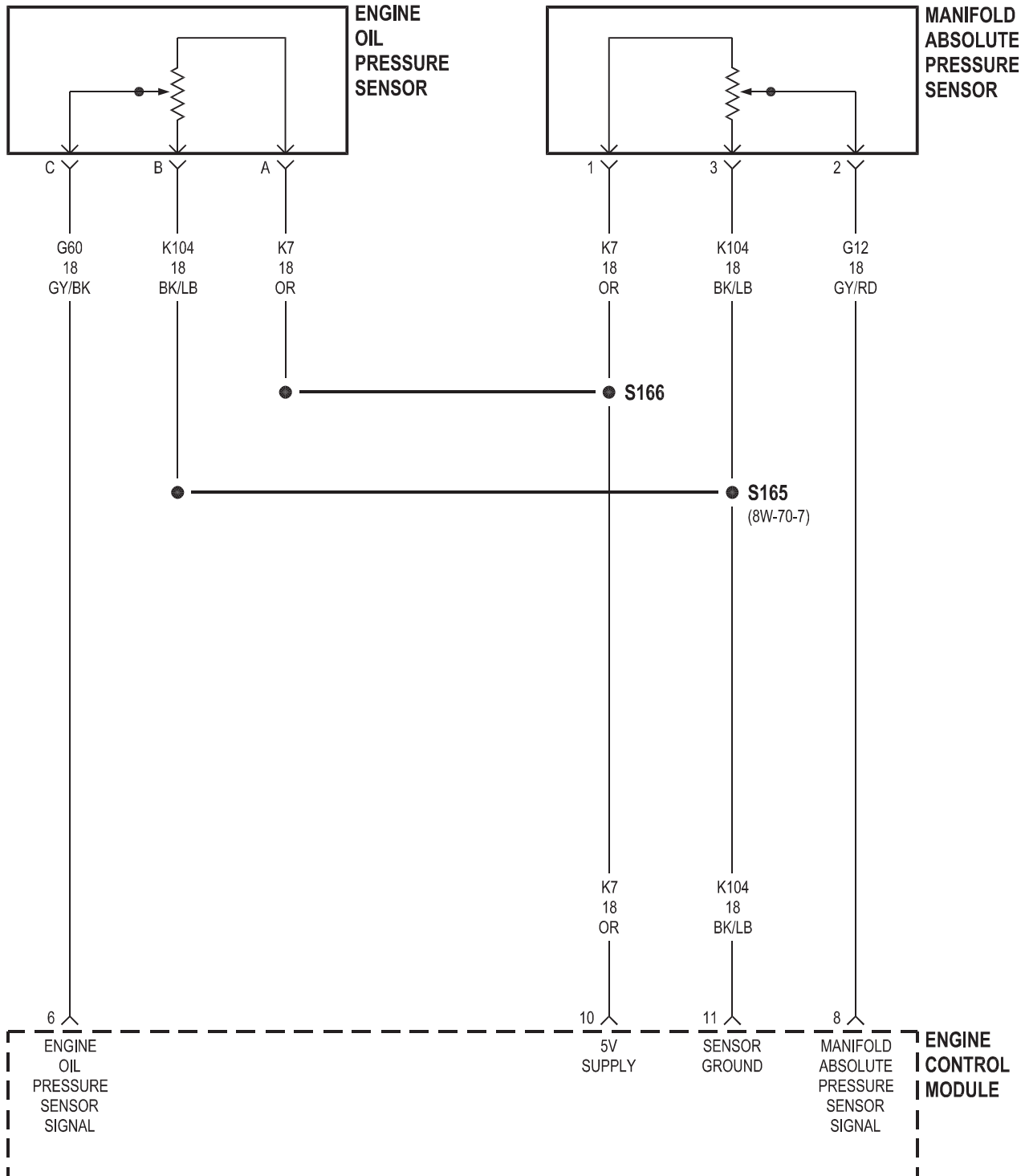


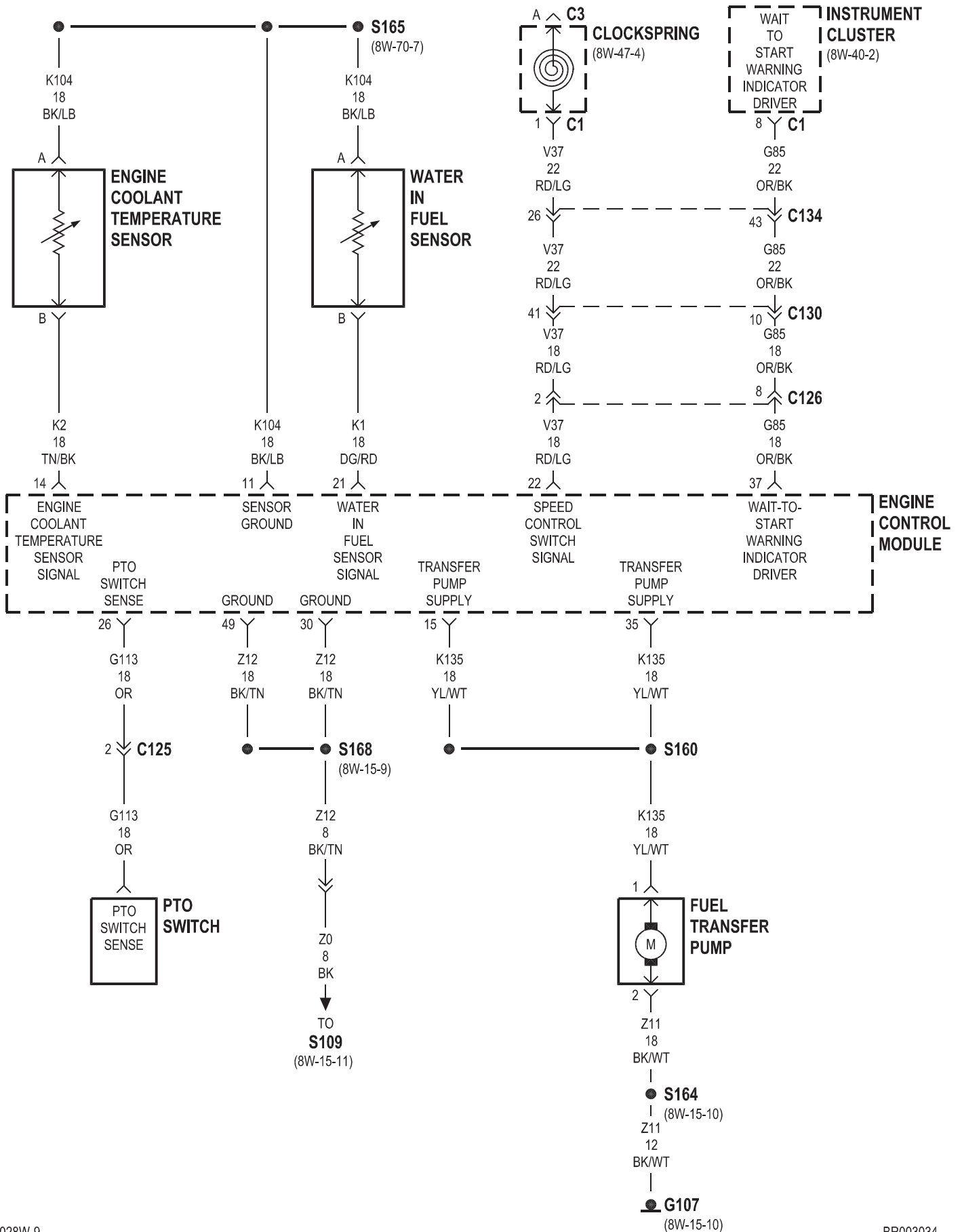




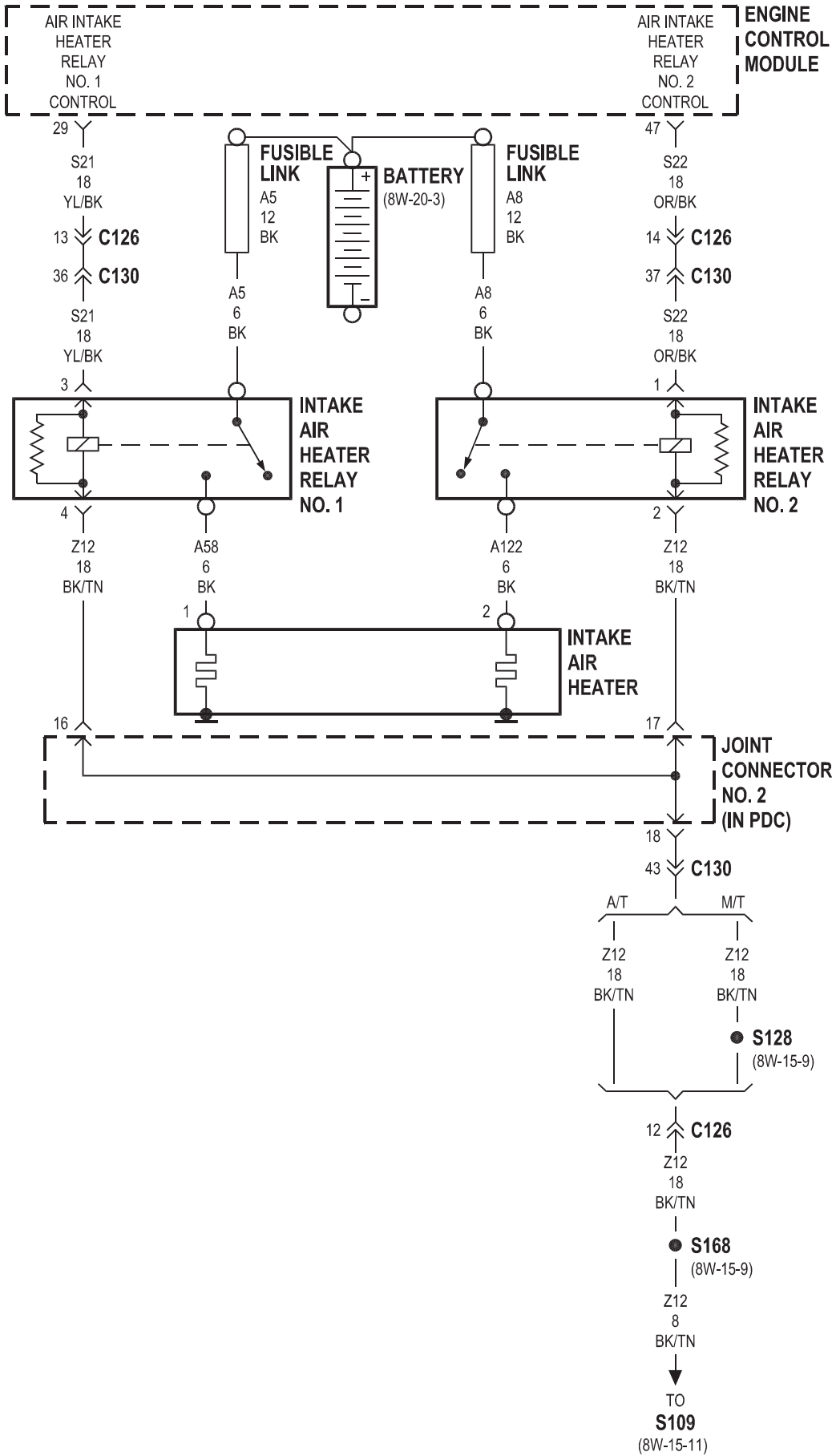


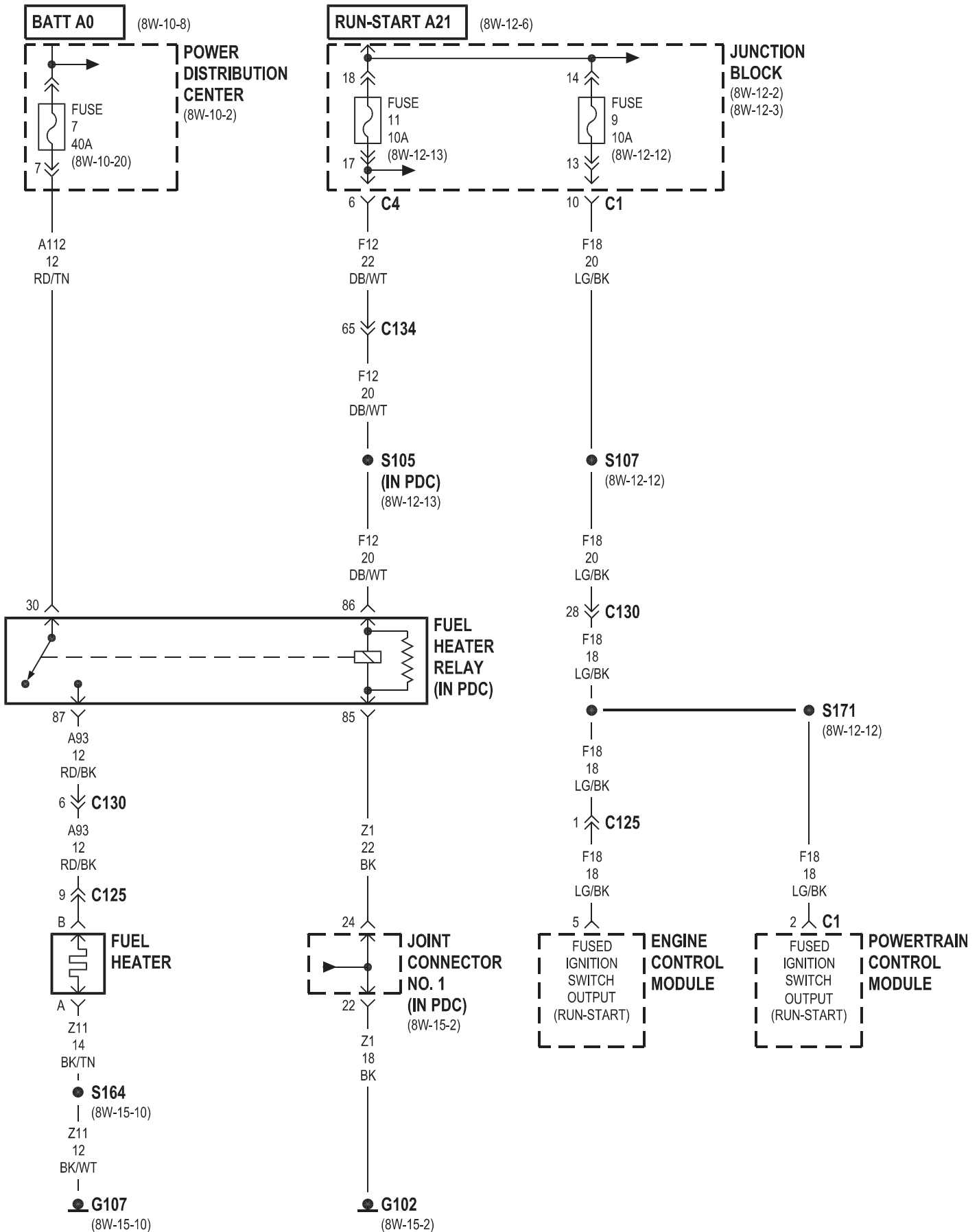


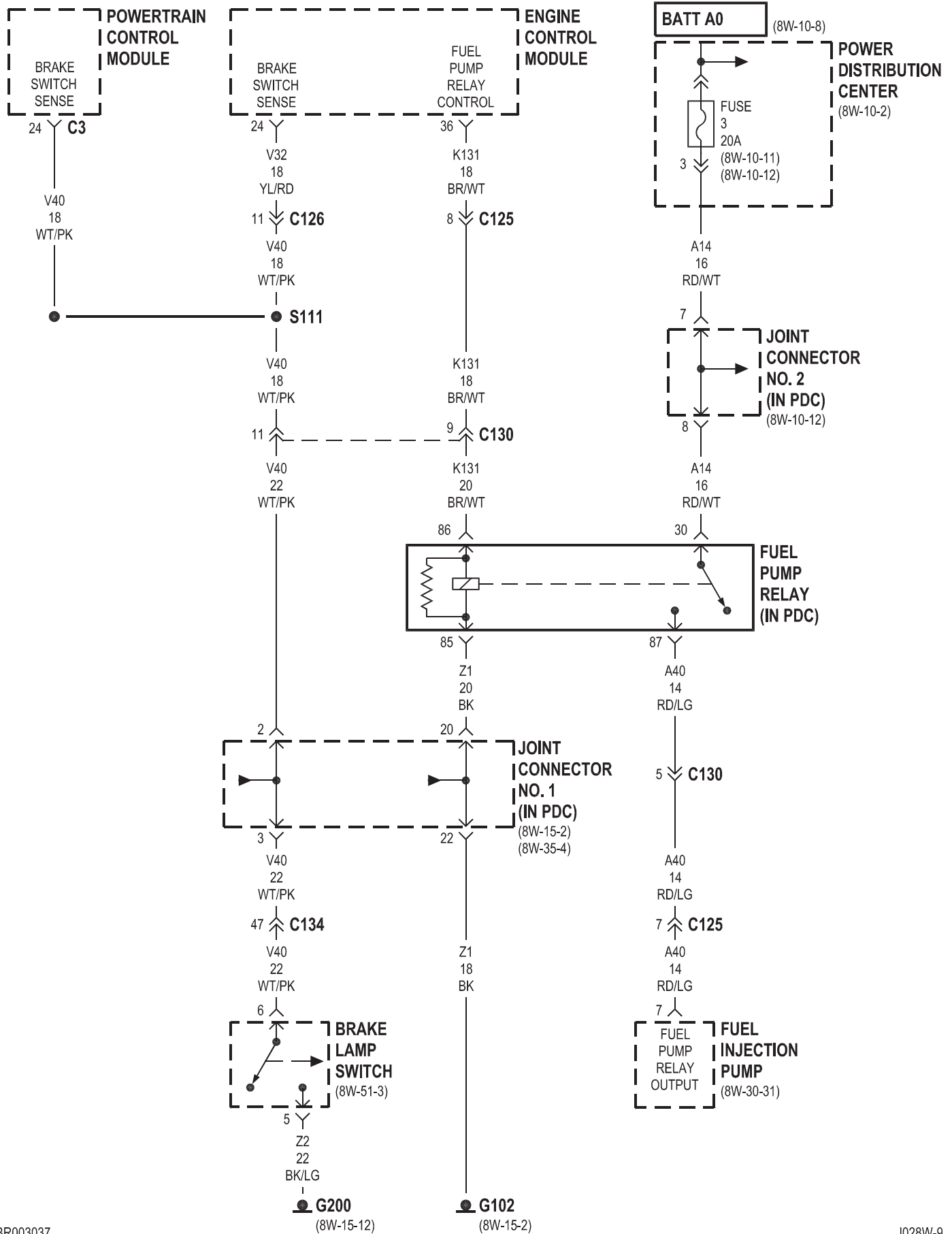


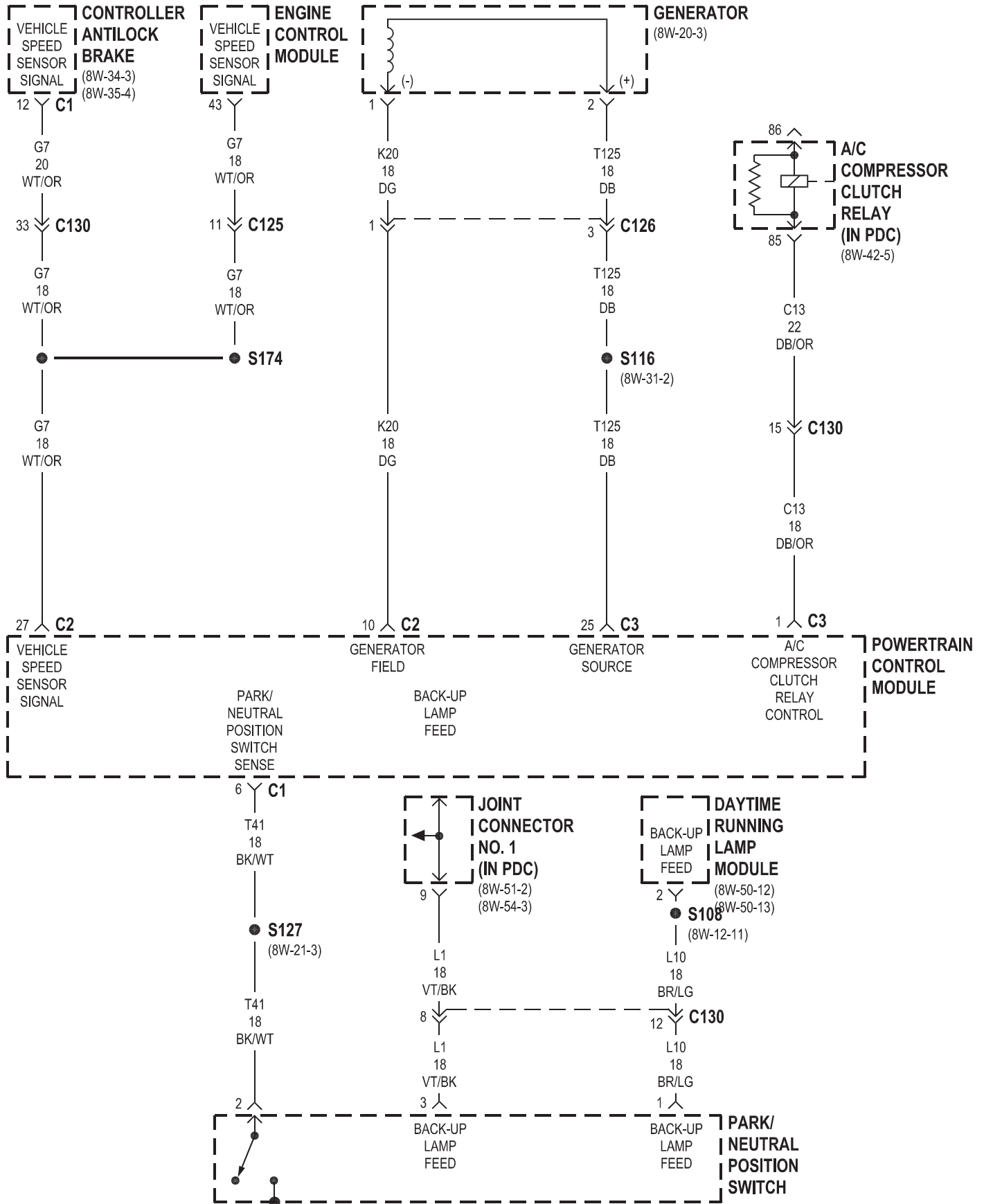


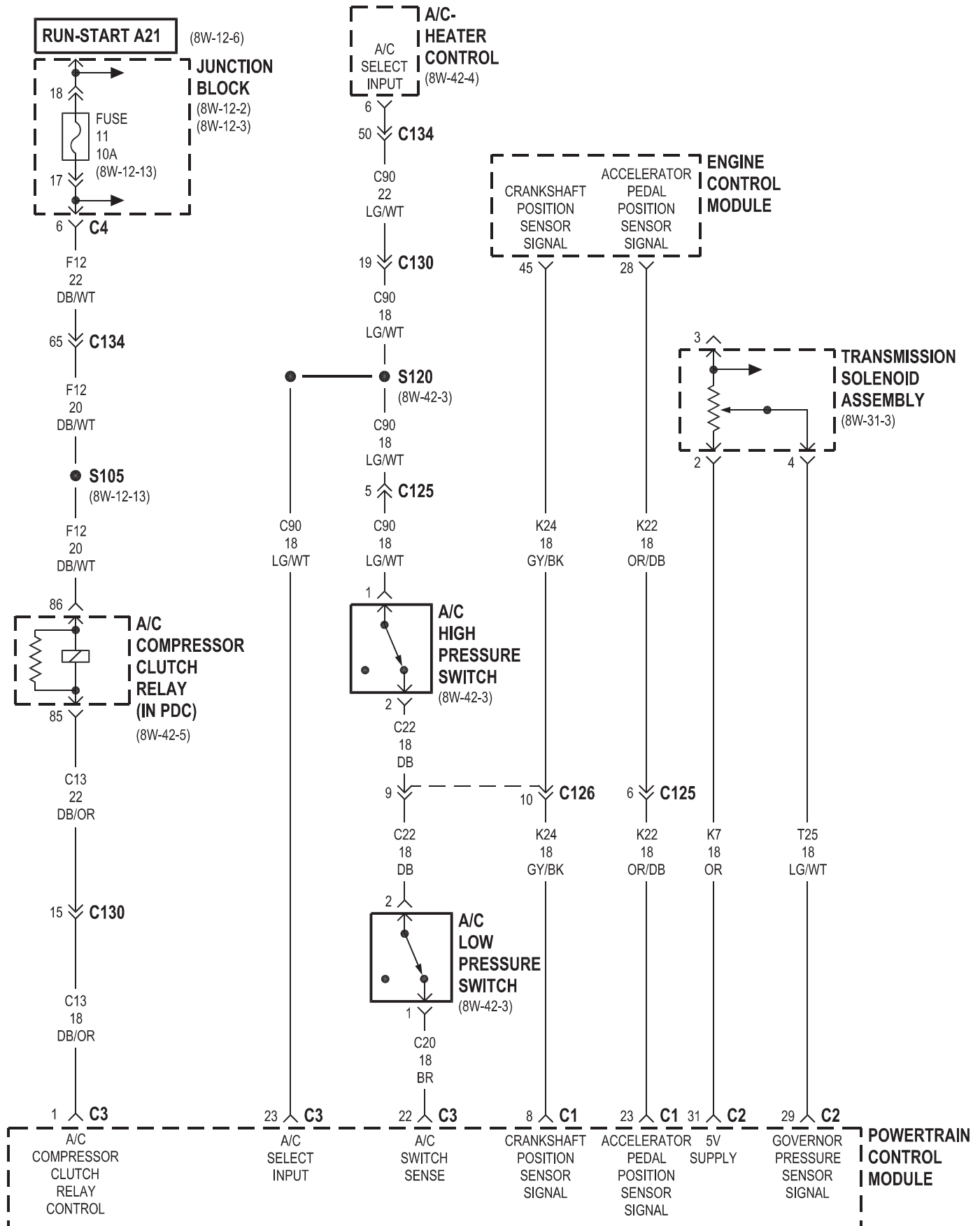
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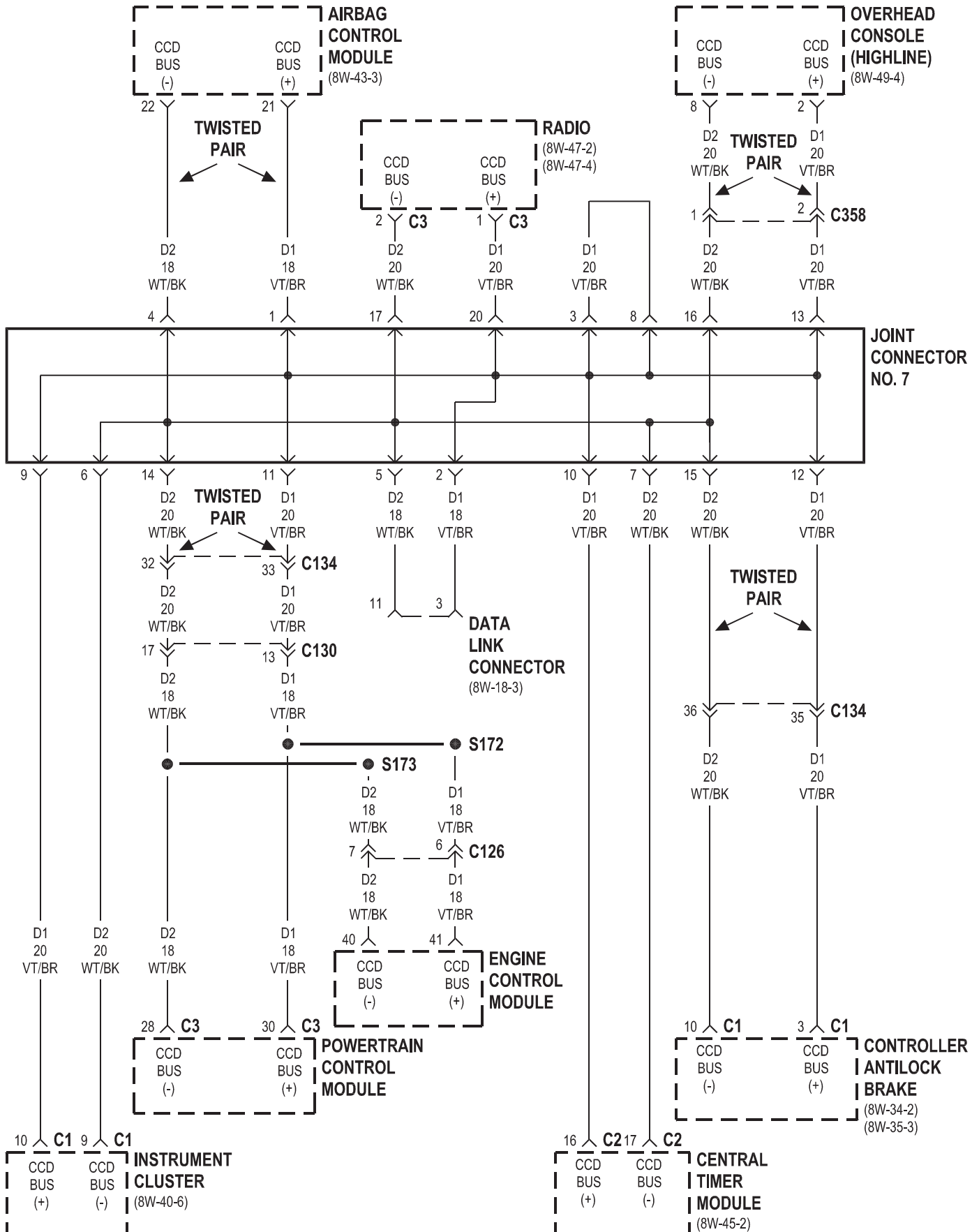


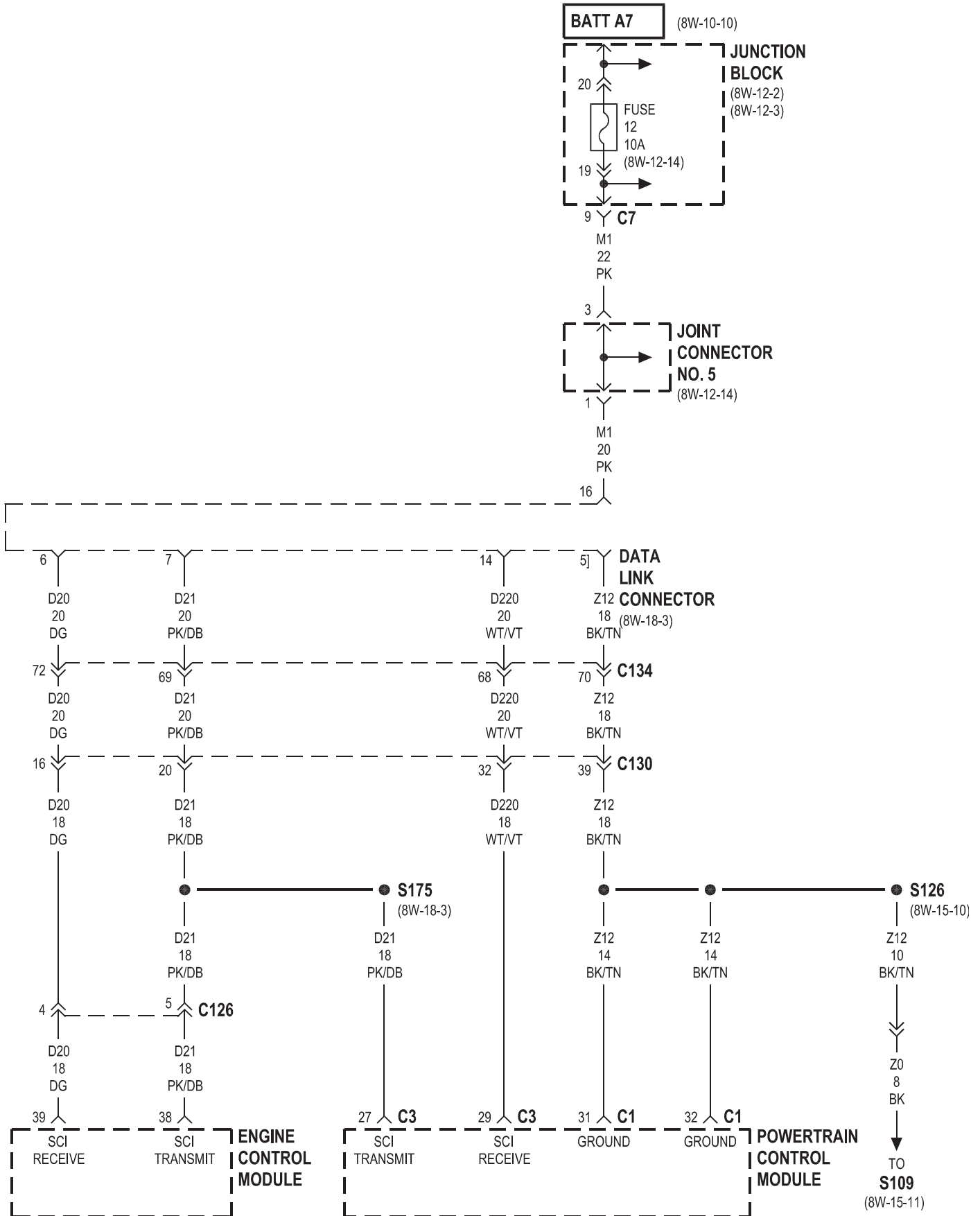








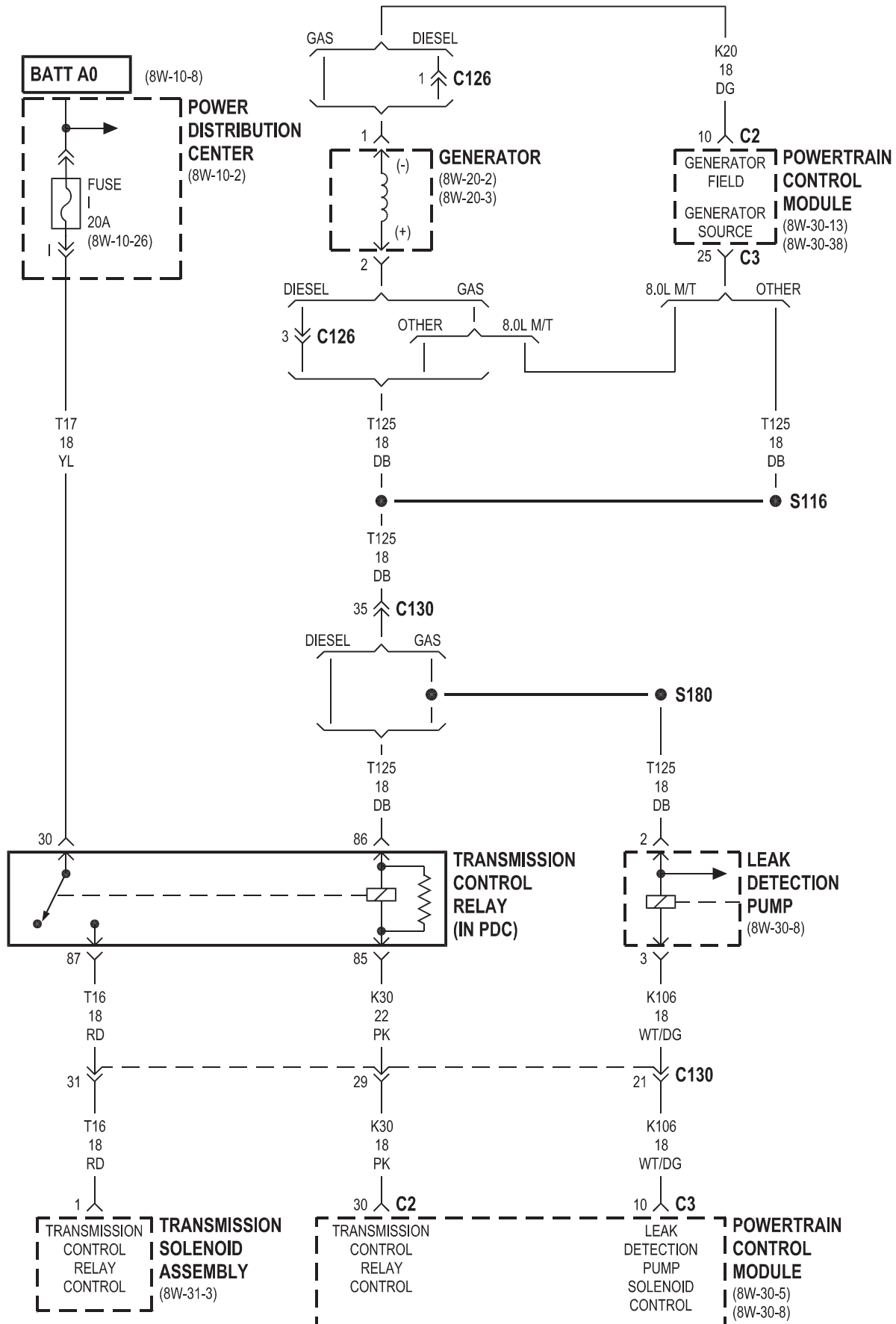


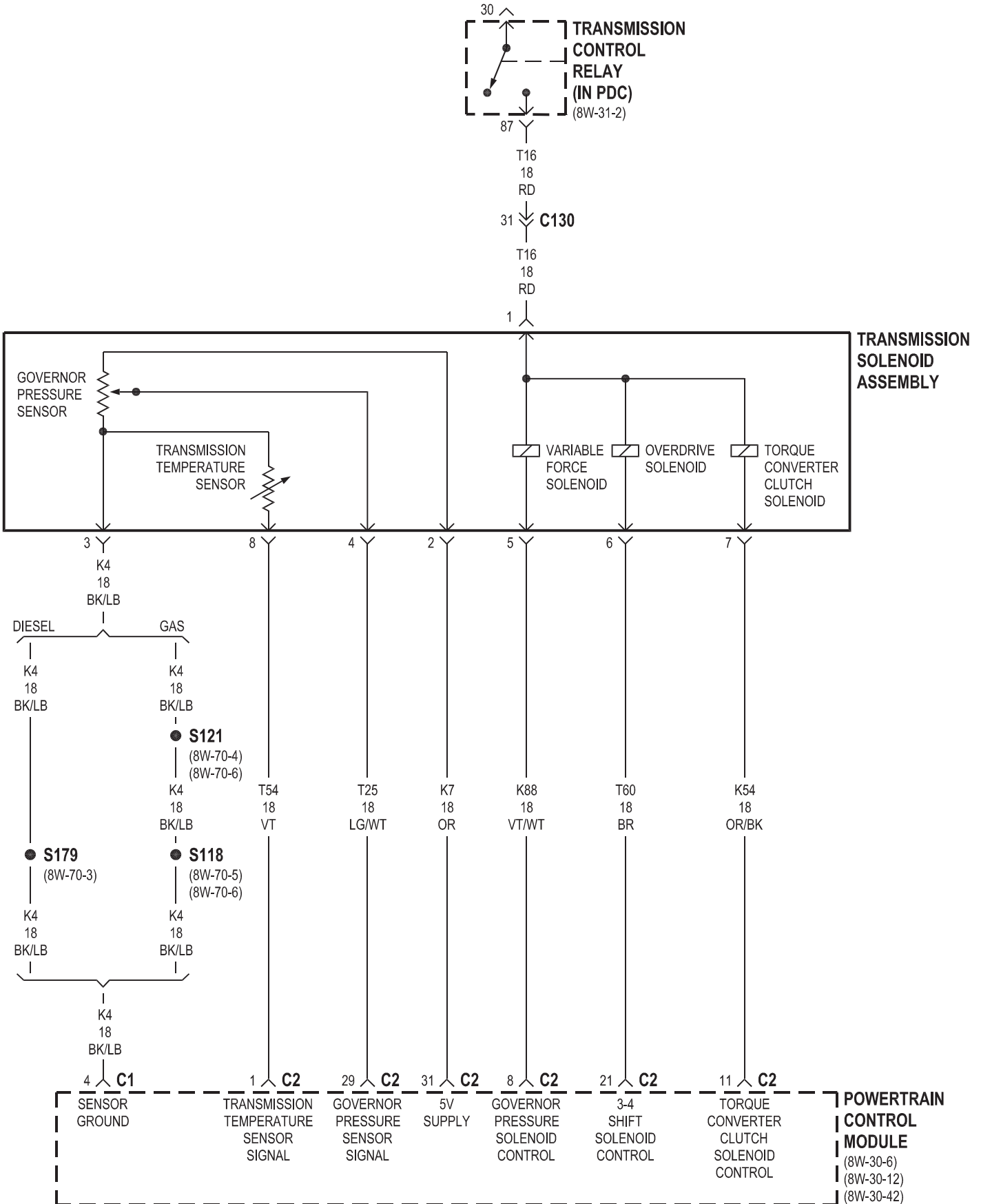


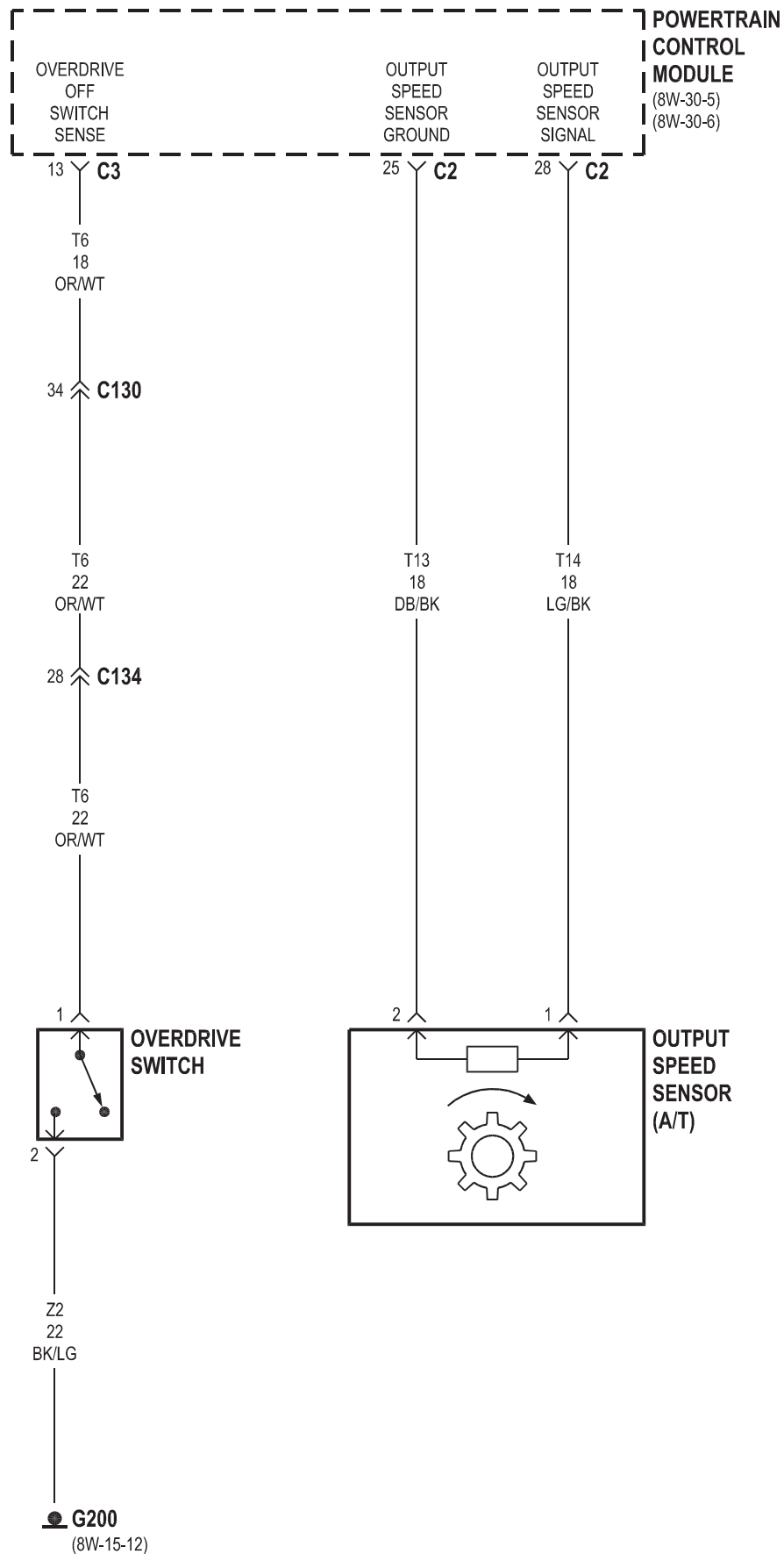


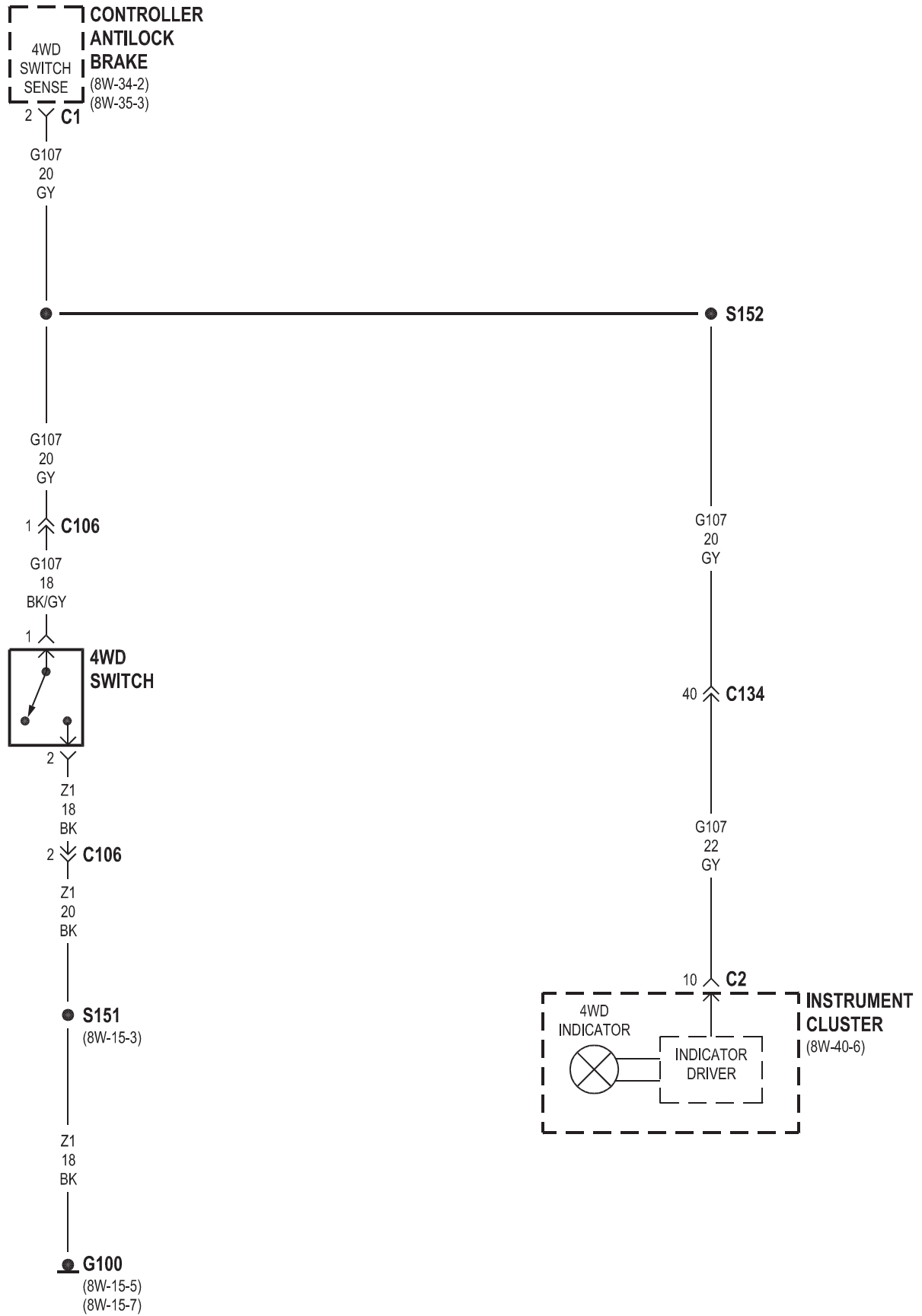
8W-31 TRANSMISSION CONTROL SYSTEM

Component	Page	Component	Page
Controller Antilock Brake	8W-31-5	Leak Detection Pump	8W-31-2
Fuse I (PDC)	8W-31-2	Output Speed Sensor	8W-31-4
G100	8W-31-5	Overdrive Switch	8W-31-4
G107	8W-31-5	Power Distribution Center	8W-31-2
G200	8W-31-4	Powertrain Control Module	8W-31-2, 3, 4
Generator	8W-31-2	Transmission Control Relay	8W-31-2, 3
Instrument Cluster	8W-31-5	Transmission Solenoid Assembly	8W-31-2, 3



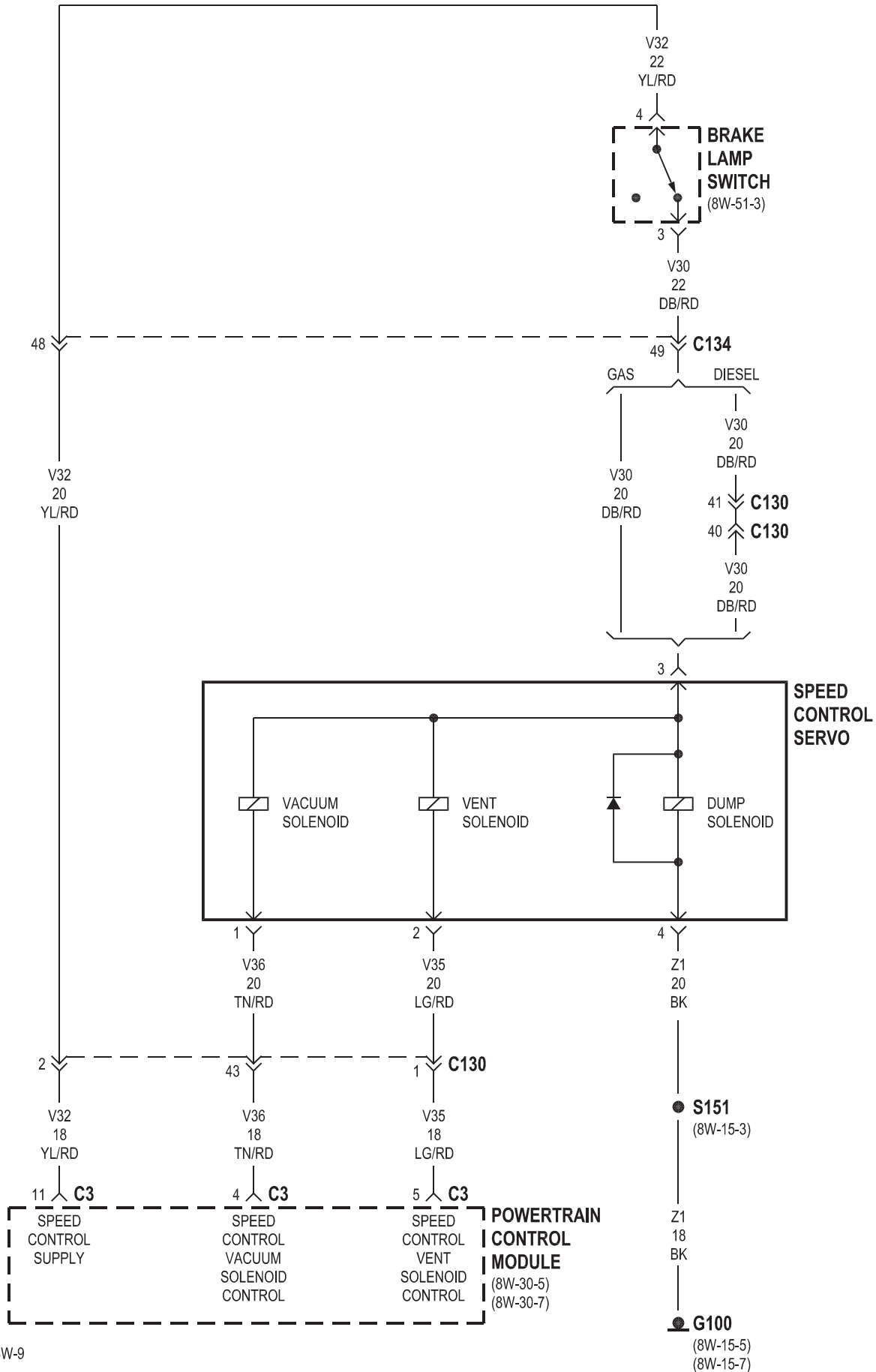


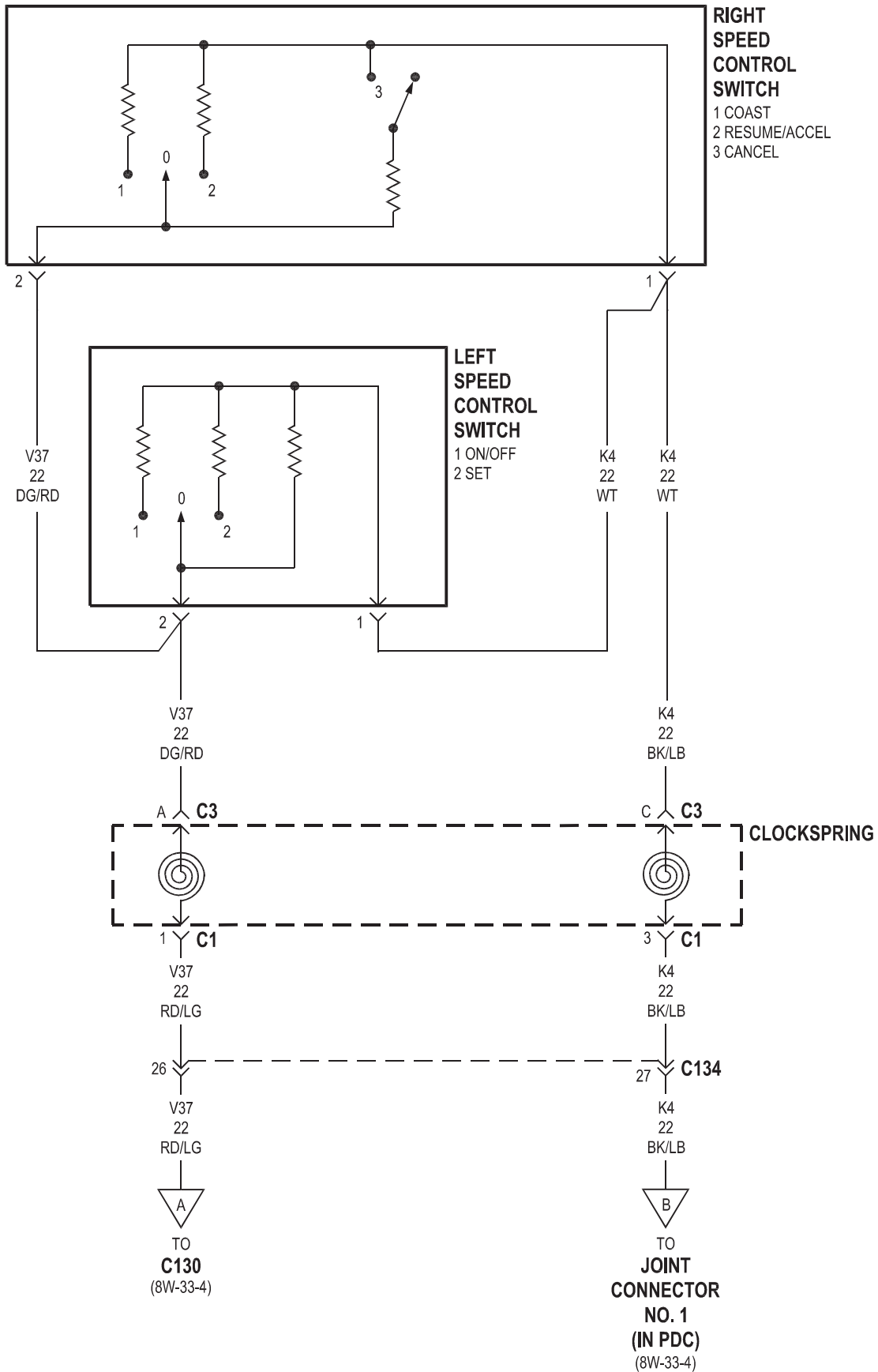


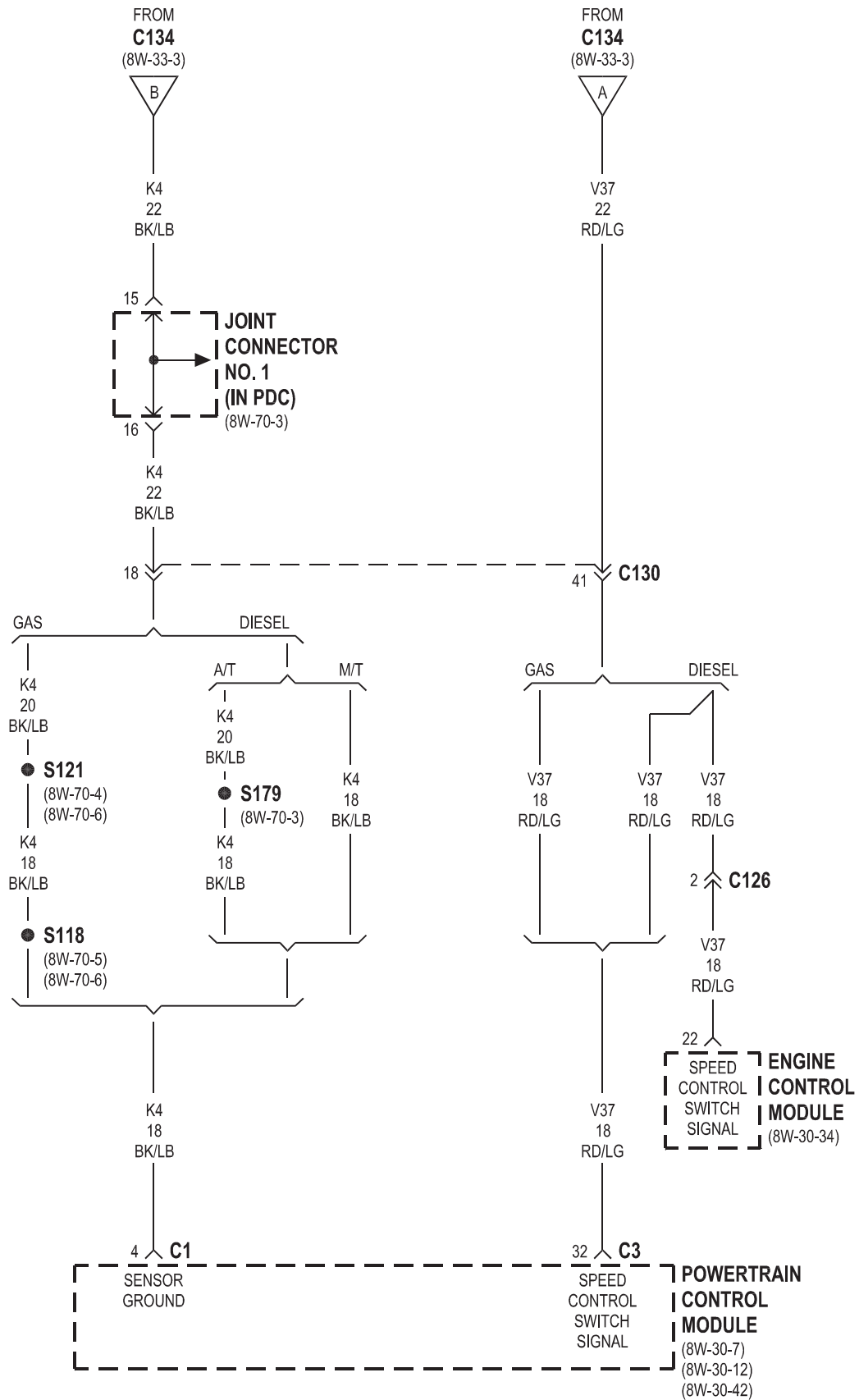


8W-33 VEHICLE SPEED CONTROL

Component	Page	Component	Page
Brake Lamp Switch	8w-33-2	Left Speed Control Switch	8w-33-3
Clockspring	8w-33-3	Powertrain Control Module	8w-33-2, 4
Engine Control Module	8w-33-4	Right Speed Control Switch	8w-33-3
G100	8w-33-2	Speed Control Servo	8w-33-2
Joint Connector No. 1	8w-33-3, 4		

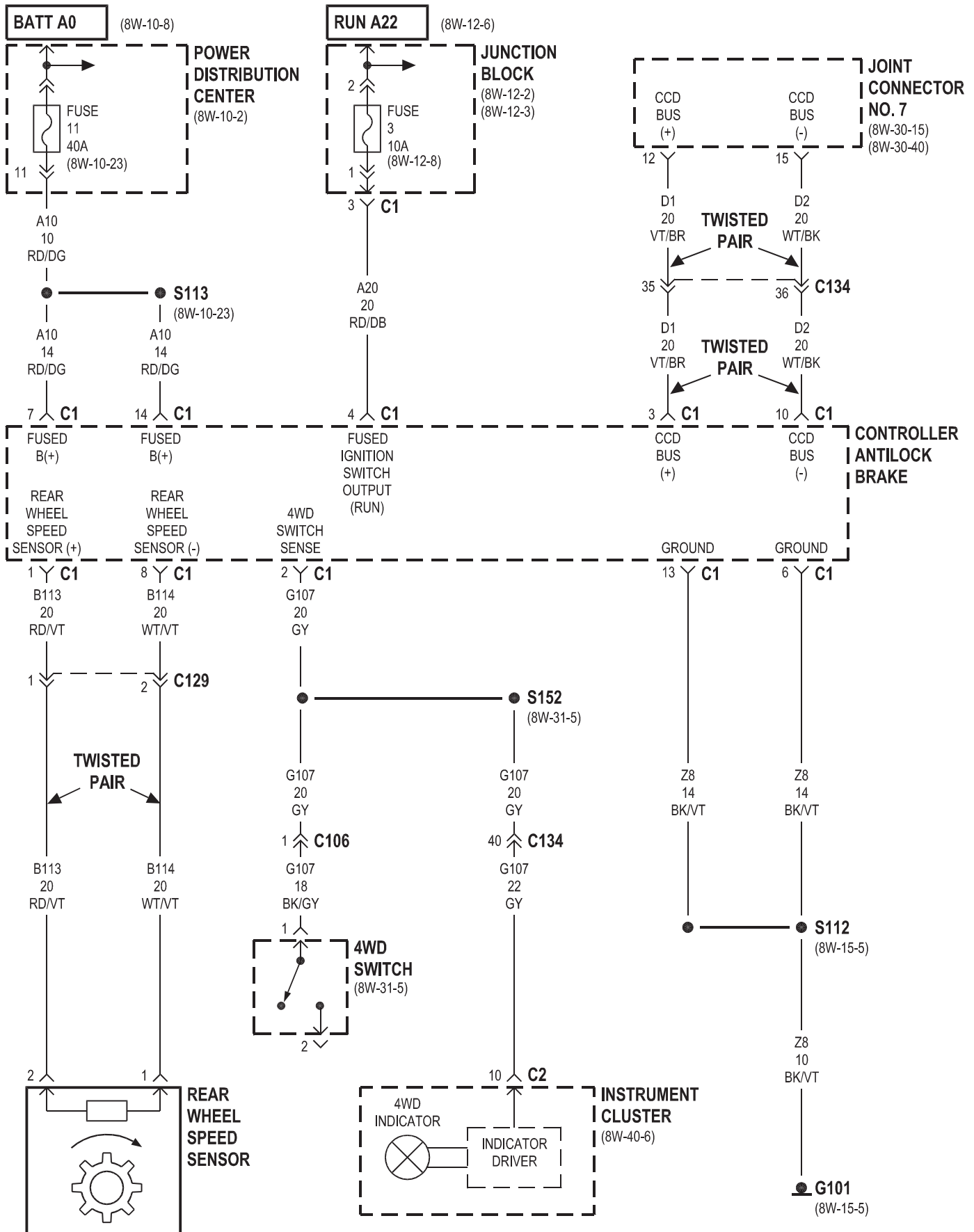


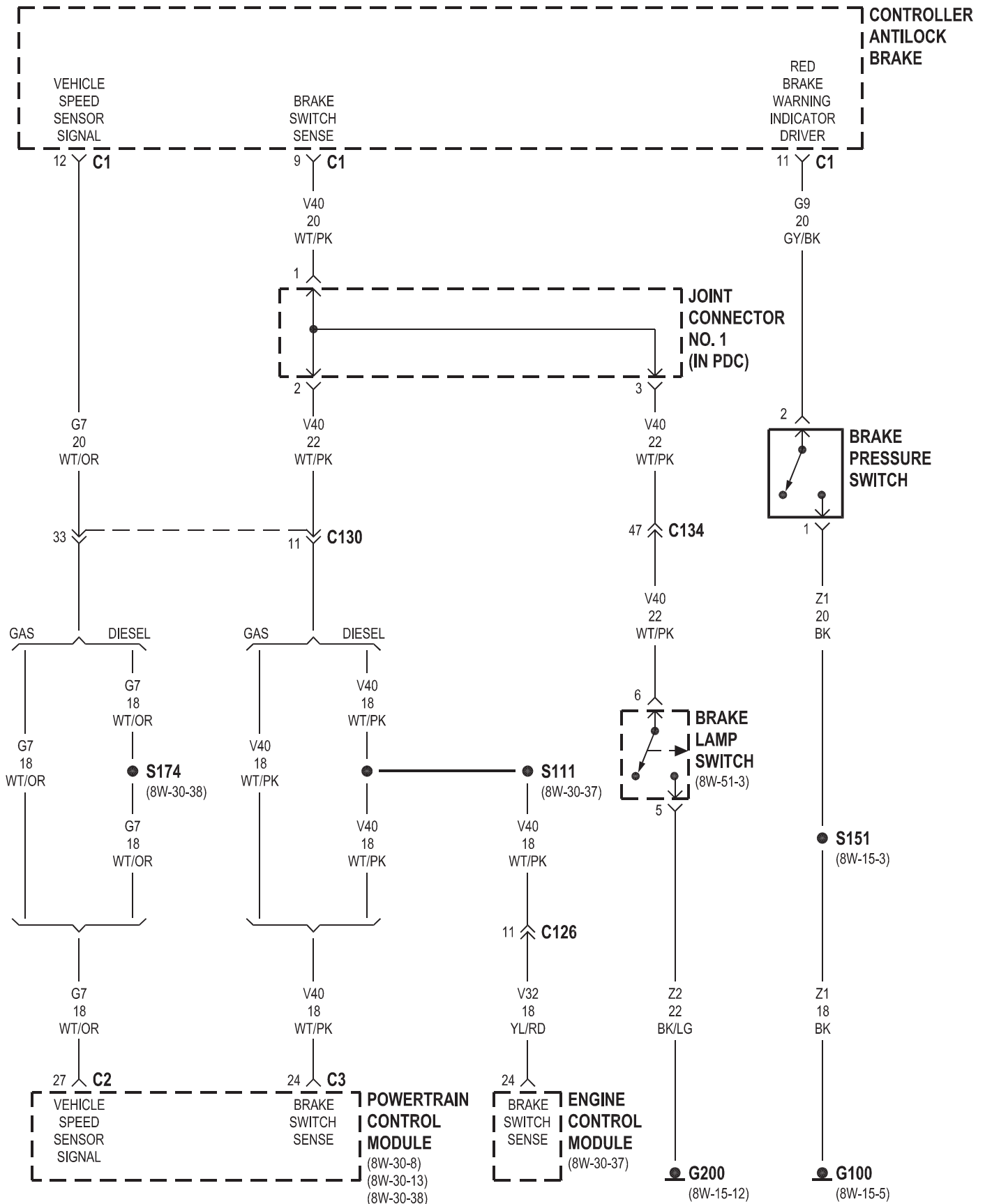




8W-34 REAR WHEEL ANTILOCK BRAKES

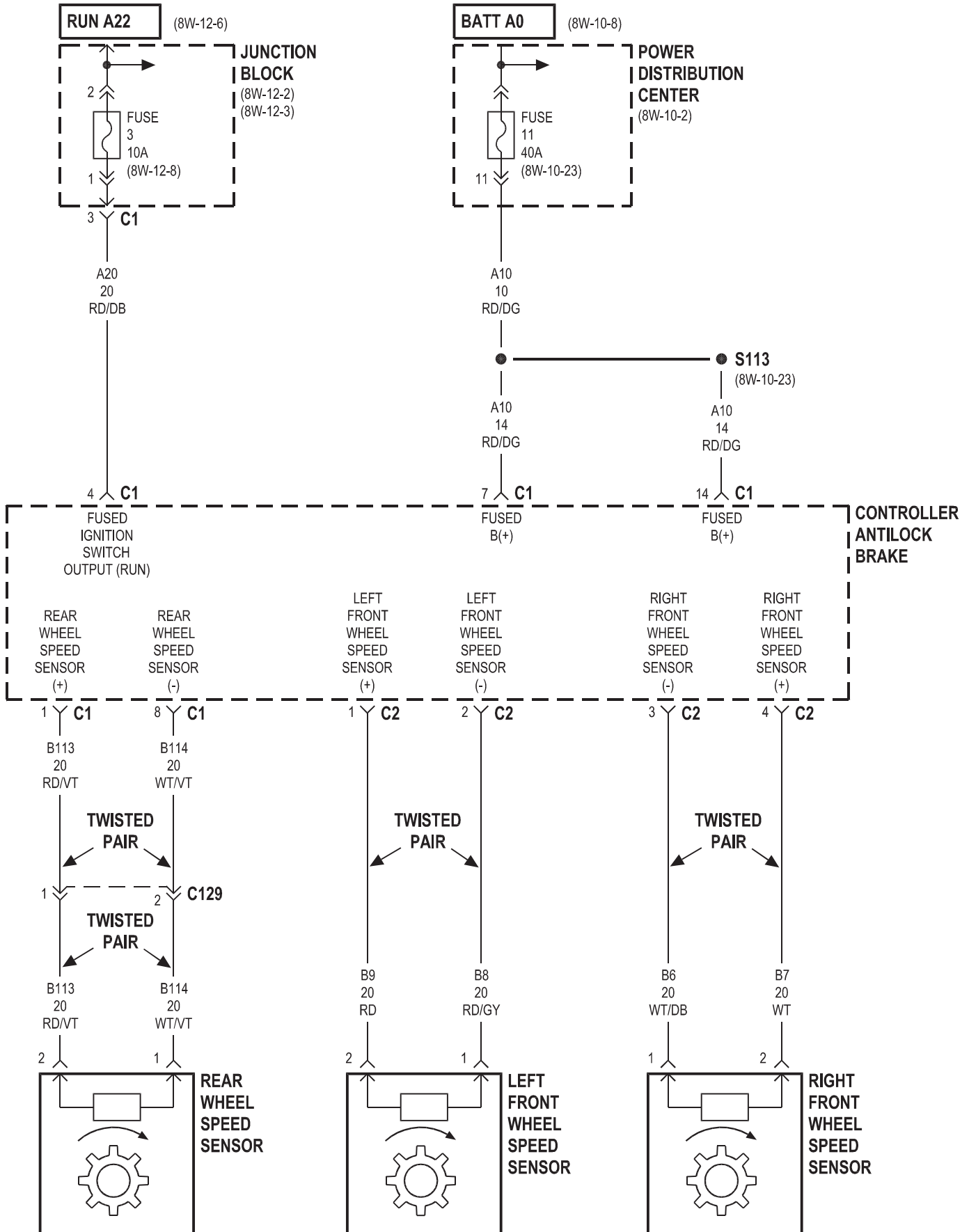
Component	Page	Component	Page
Brake Lamp Switch	8W-34-3	G200	8W-34-3
Brake Pressure Switch	8W-34-3	Instrument Cluster	8W-34-2
Controller Antilock Brake	8W-34-2, 3	Joint Connector No. 1	8W-34-3
Engine Control Module	8W-34-3	Joint Connector No. 7	8W-34-2
Fuse 3 (JB)	8W-34-2	Junction Block	8W-34-2
Fuse 11 (PDC)	8W-34-2	Power Distribution Center	8W-34-2
G100	8W-34-3	Powertrain Control Module	8W-34-3
G101	8W-34-2	Rear Wheel Speed Sensor	8W-34-2
G107	8W-34-2		

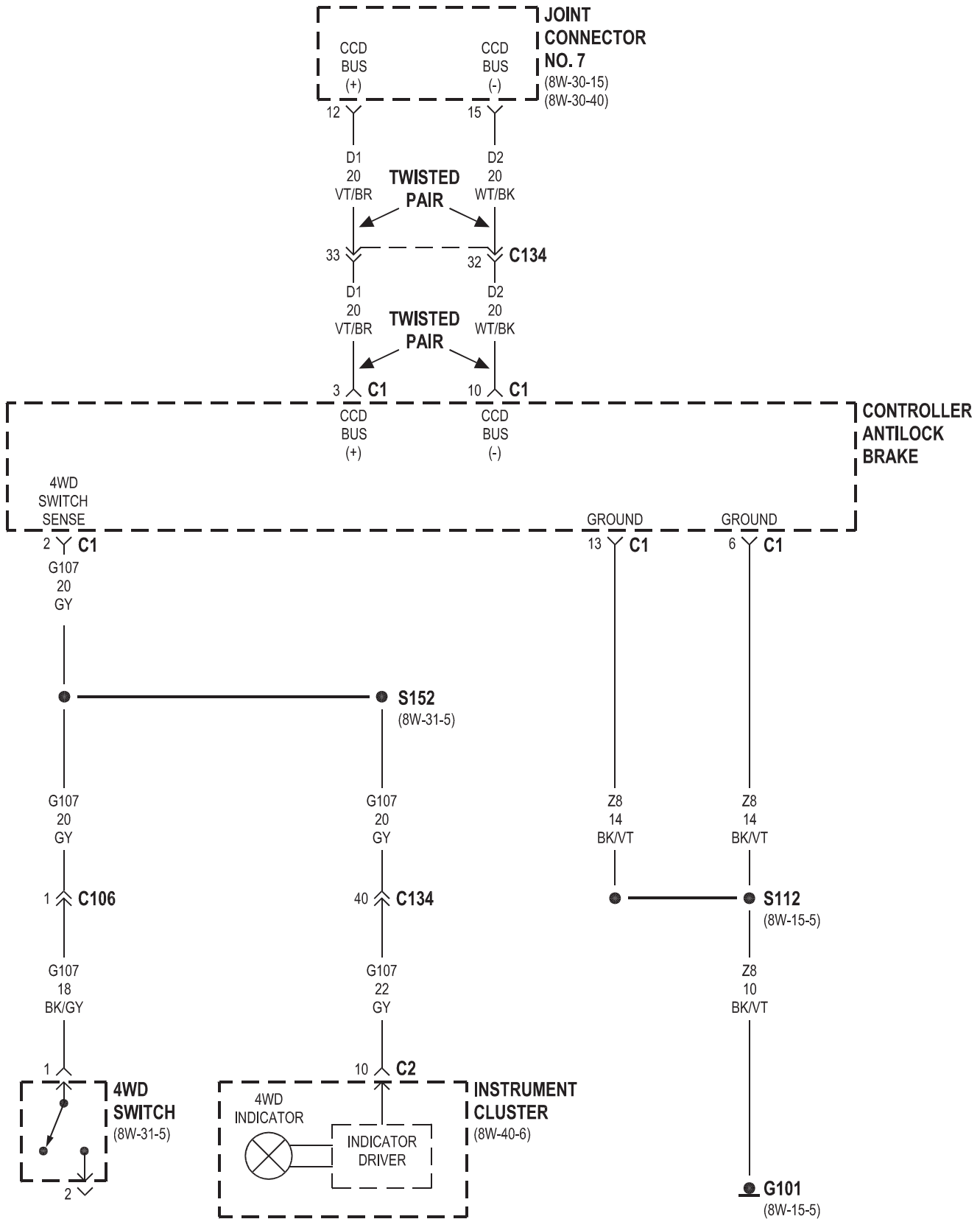




8W-35 ALL WHEEL ANTILOCK BRAKES

Component	Page	Component	Page
Brake Lamp Switch	8W-35-4	Instrument Cluster	8W-35-3
Brake Pressure Switch	8W-35-4	Joint Connector No. 1	8W-35-4
Controller Antilock Brake	8W-35-2, 3, 4	Joint Connector No. 7	8W-35-3
Engine Control Module	8W-35-4	Junction Block	8W-35-2
Fuse 3 (JB)	8W-35-2	Left Front Wheel Speed Sensor	8W-35-2
Fuse 11 (PDC)	8W-35-2	Power Distribution Center	8W-35-2
G100	8W-35-4	Powertrain Control Module	8W-35-4
G101	8W-35-3	Rear Wheel Speed Sensor	8W-35-2
G107	8W-35-3	Right Front Wheel Speed Sensor	8W-35-2
G200	8W-35-4		





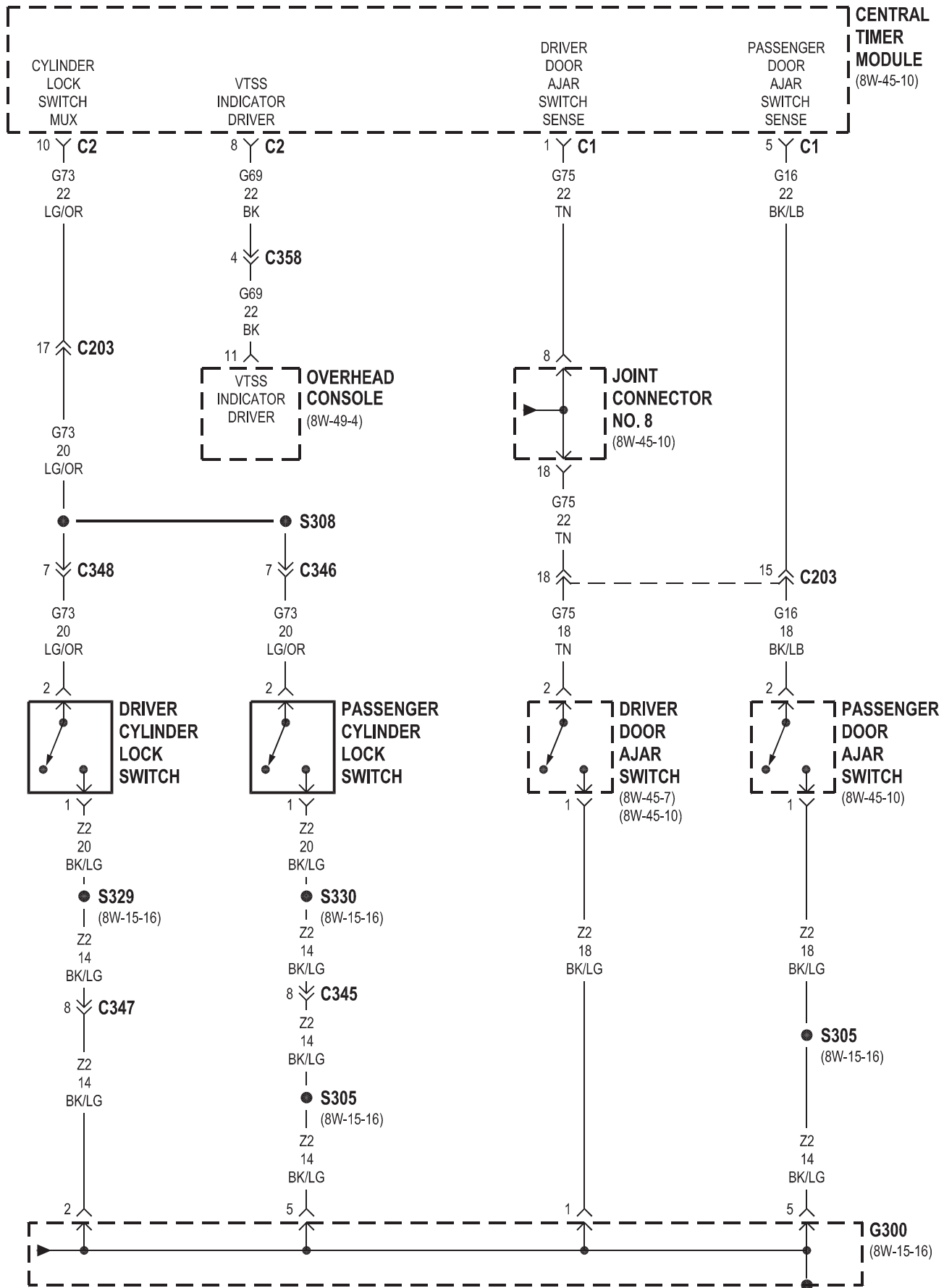


8W-39 VEHICLE THEFT SECURITY SYSTEM

Component	Page	Component	Page
Central Timer Module	8W-39-2, 3, 4	Horn Switch	8W-39-3
Clockspring	8W-39-3	Joint Connector No. 1	8W-39-2, 3
Daytime Running Lamp Module	8W-39-2	Joint Connector No. 6	8W-39-3
Driver Cylinder Lock Switch	8W-39-4	Joint Connector No. 8	8W-39-4
Driver Door Ajar Switch	8W-39-4	Left Outboard Headlamp	8W-39-2
Fuse G (PDC)	8W-39-2	Low Note Horn	8W-39-3
Fuse H (PDC)	8W-39-3	Overhead Console	8W-39-4
G100	8W-39-3	Passenger Cylinder Lock Switch	8W-39-4
G102	8W-39-2	Passenger Door Ajar Switch	8W-39-4
G300	8W-39-4	Power Distribution Center	8W-39-2, 3
Headlamp Beam Select Switch	8W-39-2	Right Outboard Headlamp	8W-39-2
High Note Horn	8W-39-3	Security Relay	8W-39-2
Horn Relay	8W-39-3		



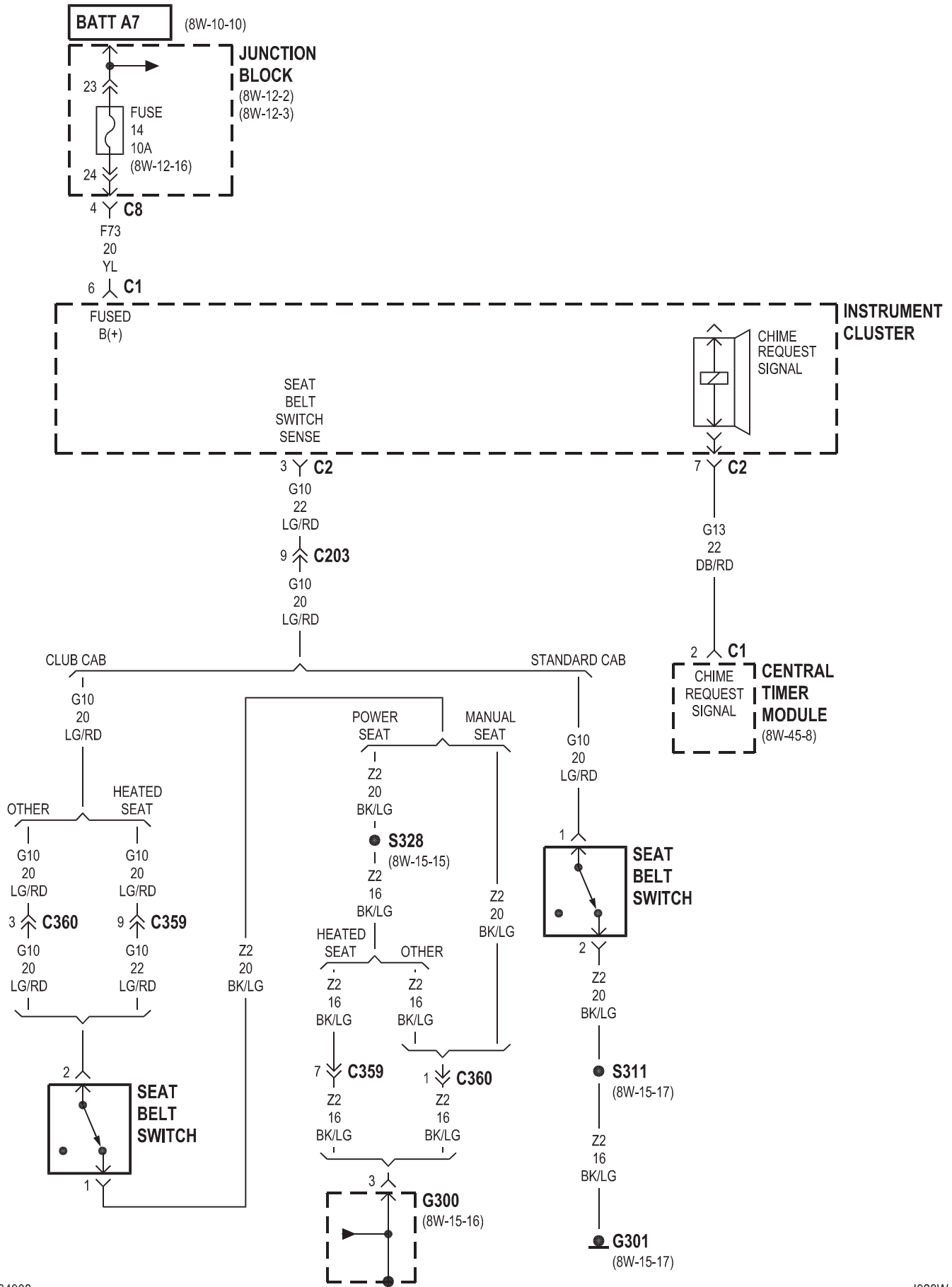


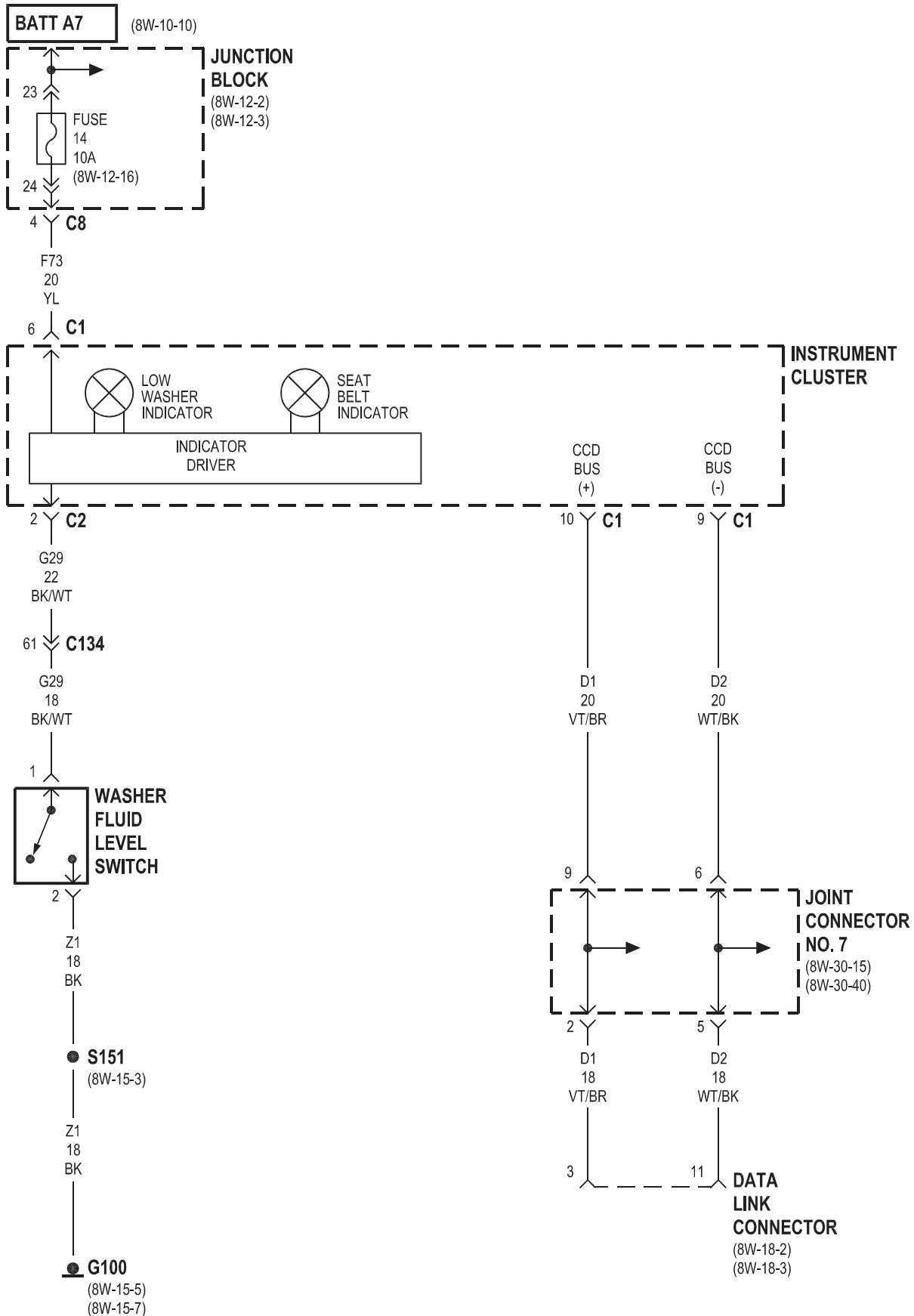


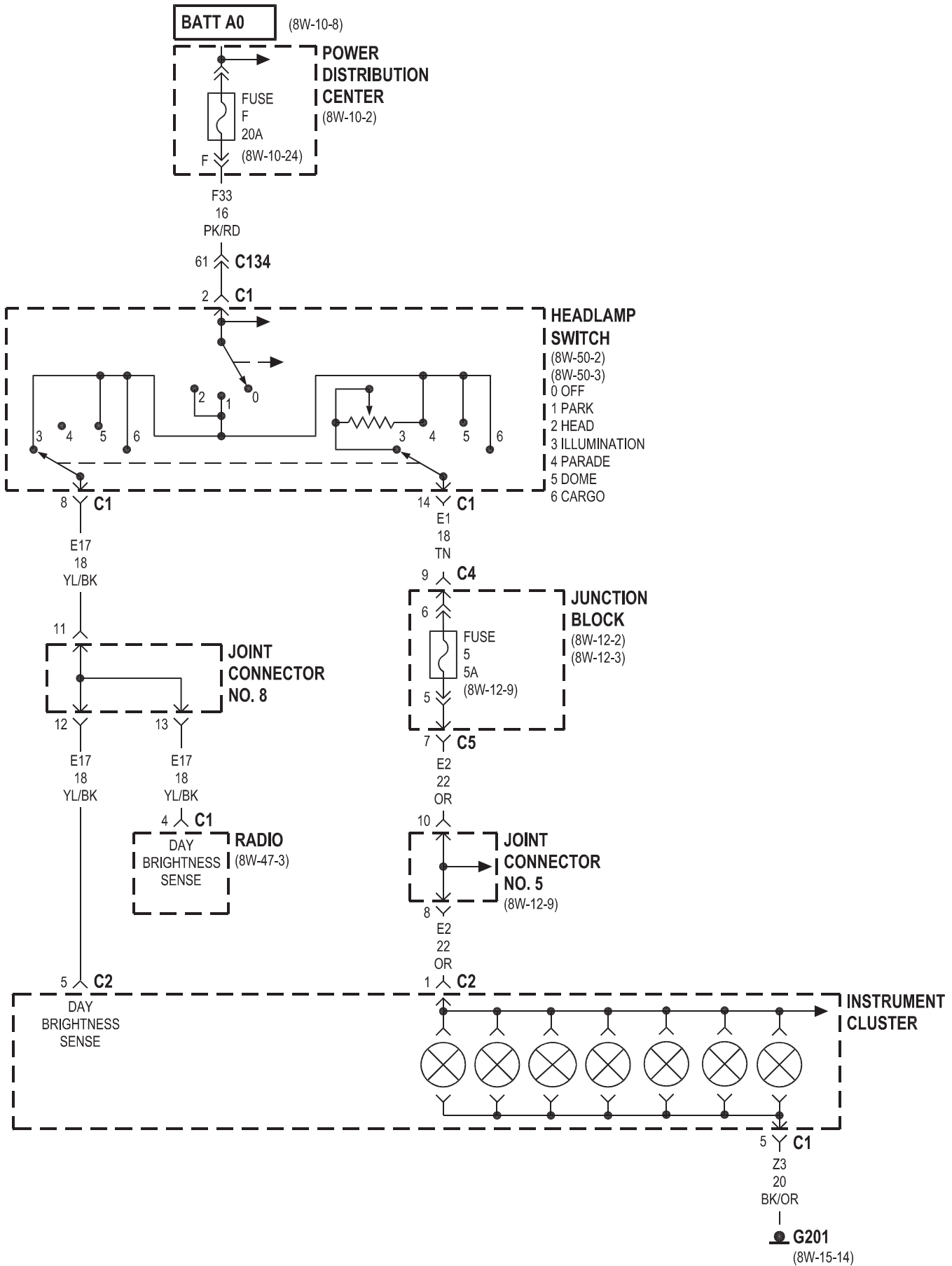
8W-40 INSTRUMENT CLUSTER

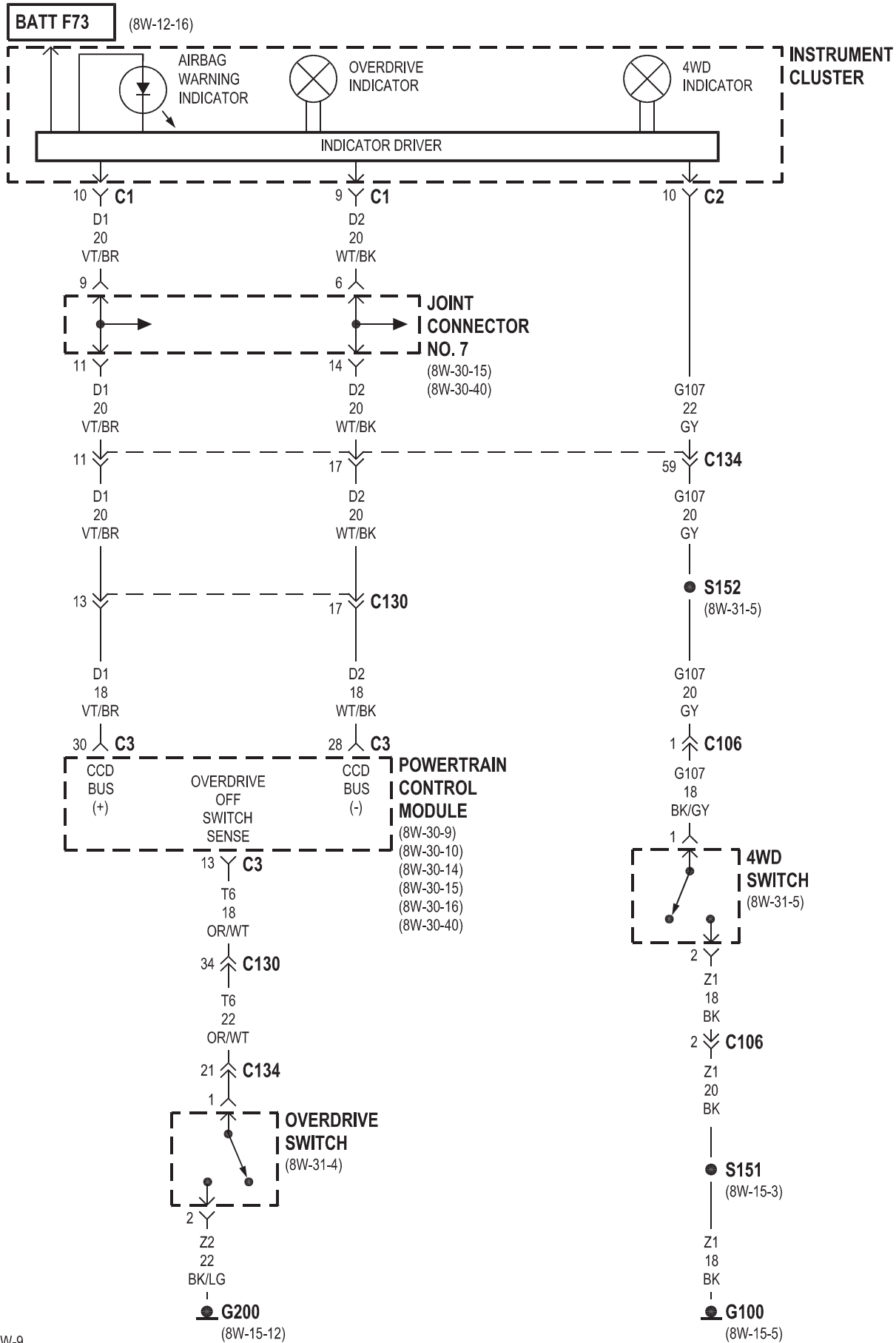
Component	Page	Component	Page
Central Timer Module	8W-40-3	Headlamp Switch	8W-40-5
Data Link Connector	8W-40-4	Instrument Cluster	8W-40-2, 3, 4, 5, 6, 7
Daytime Running Lamp Module	8W-40-2, 7	Joint Connector No. 5	8W-40-5
Engine Control Module	8W-40-2	Joint Connector No. 7	8W-40-4, 6
Fuse 5 (JB)	8W-40-5	Joint Connector No. 8	8W-40-5
Fuse 14 (JB)	8W-40-2, 3, 4, 7	Junction Block	8W-40-2, 3, 4, 5, 7
Fuse 17 (JB)	8W-40-2	Overdrive Switch	8W-40-6
Fuse F (PDC)	8W-40-5	Park Brake Switch	8W-40-2
G100	8W-40-4, 6	Power Distribution Center	8W-40-5
G200	8W-40-2, 6	Powertrain Control Module	8W-40-6
G201	8W-40-2, 5, 7	Radio	8W-40-5
G300	8W-40-3	Seat Belt Switch	8W-40-3
G301	8W-40-3	Turn Signal/Hazard Switch	8W-40-7
Headlamp Beam Select Switch	8W-40-7	Washer Fluid Level Switch	8W-40-4

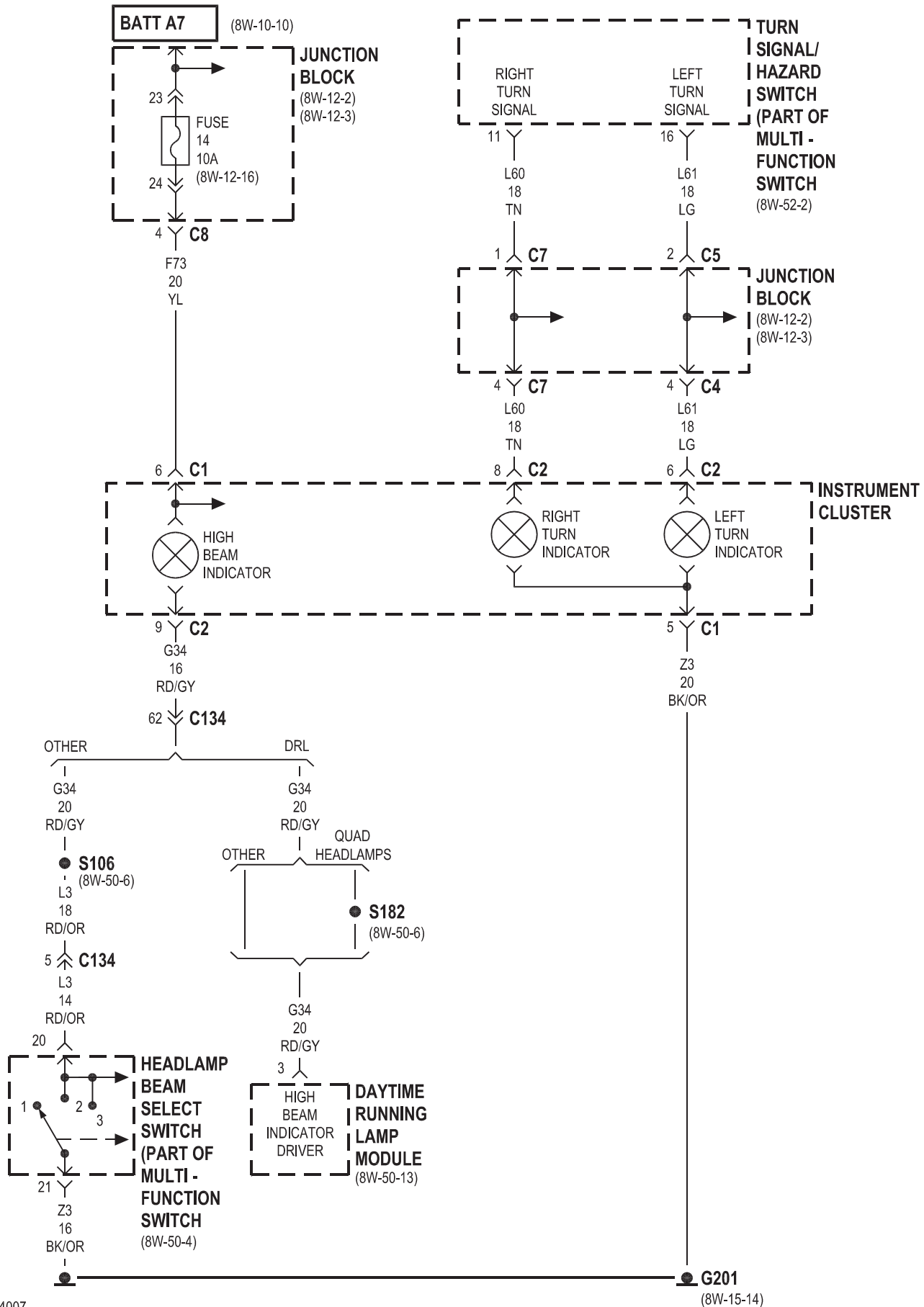








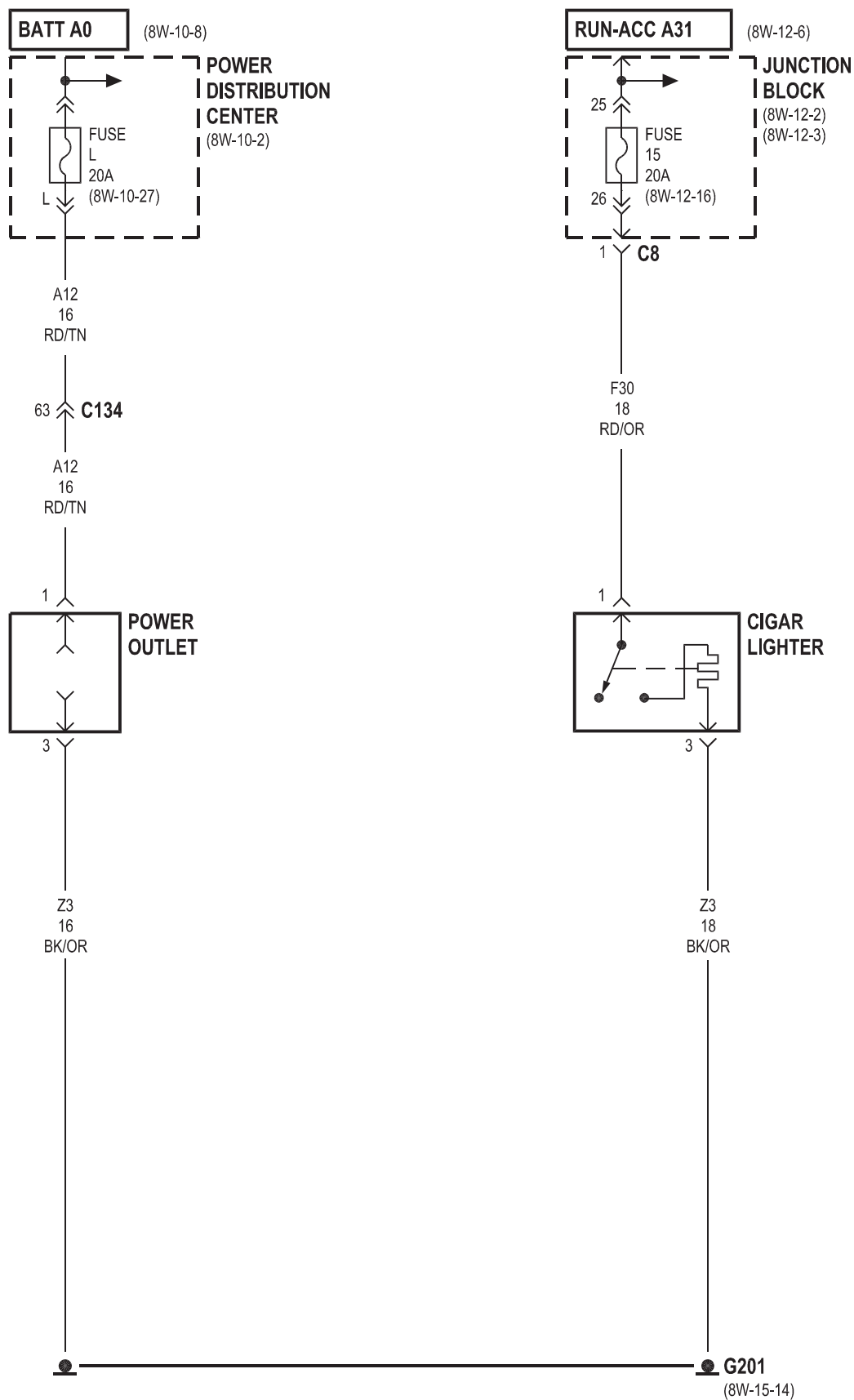




8W-41 HORN/CIGAR LIGHTER/POWER OUTLET

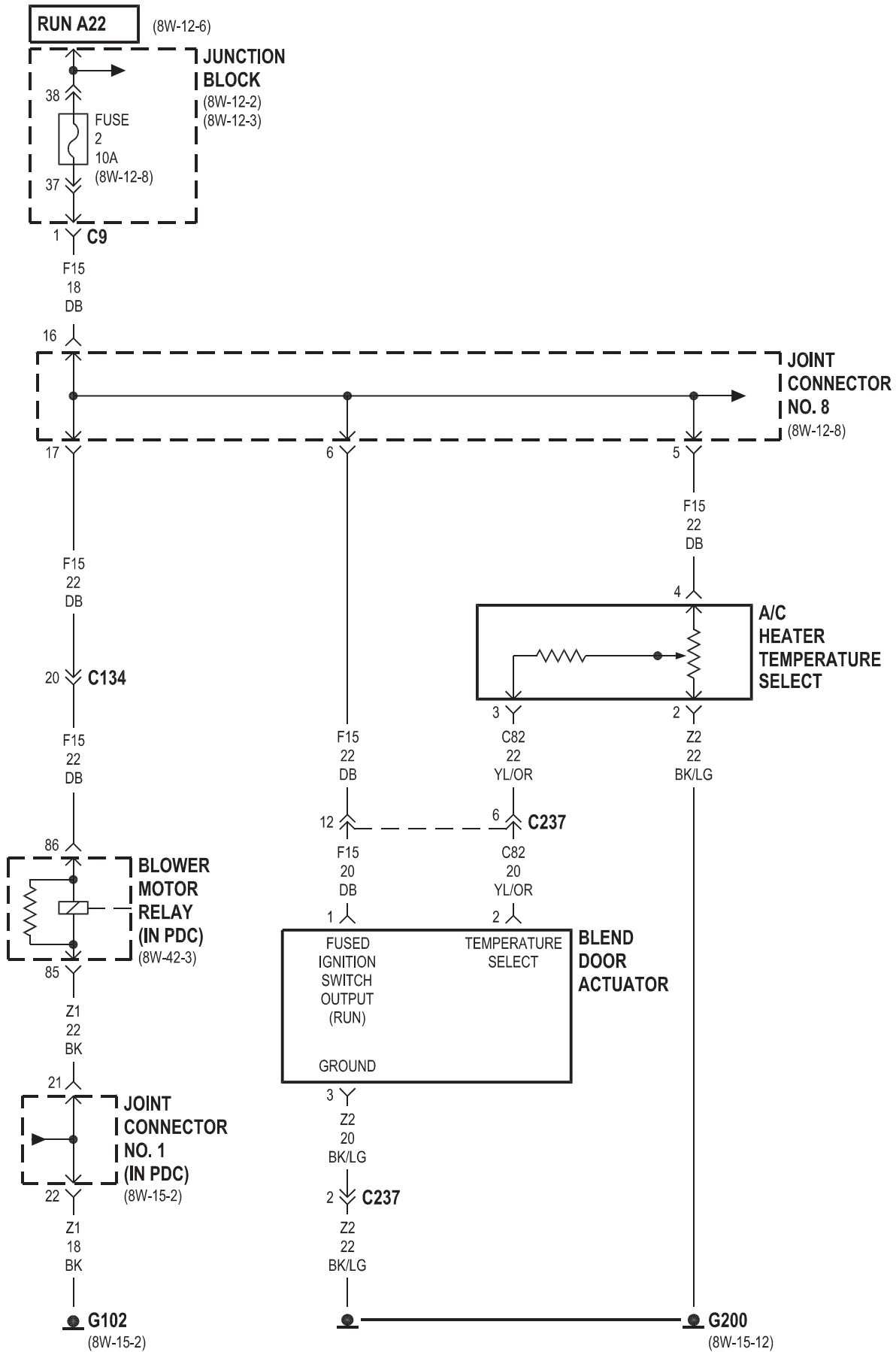
Component	Page	Component	Page
Central Timer Module	8W-41-2	Horn Relay	8W-41-2
Cigar Lighter	8W-41-3	Horn Switch	8W-41-2
Clockspring	8W-41-2	Joint Connector No. 1	8W-41-2
Fuse 15 (JB)	8W-41-3	Joint Connector No. 6	8W-41-2
Fuse H (PDC)	8W-41-2	Junction Block	8W-41-3
Fuse L (PDC)	8W-41-3	Low Note Horn	8W-41-2
G100	8W-41-2	Power Distribution Center	8W-41-2, 3
G201	8W-41-3	Power Outlet	8W-41-3
High Note Horn	8W-41-2		

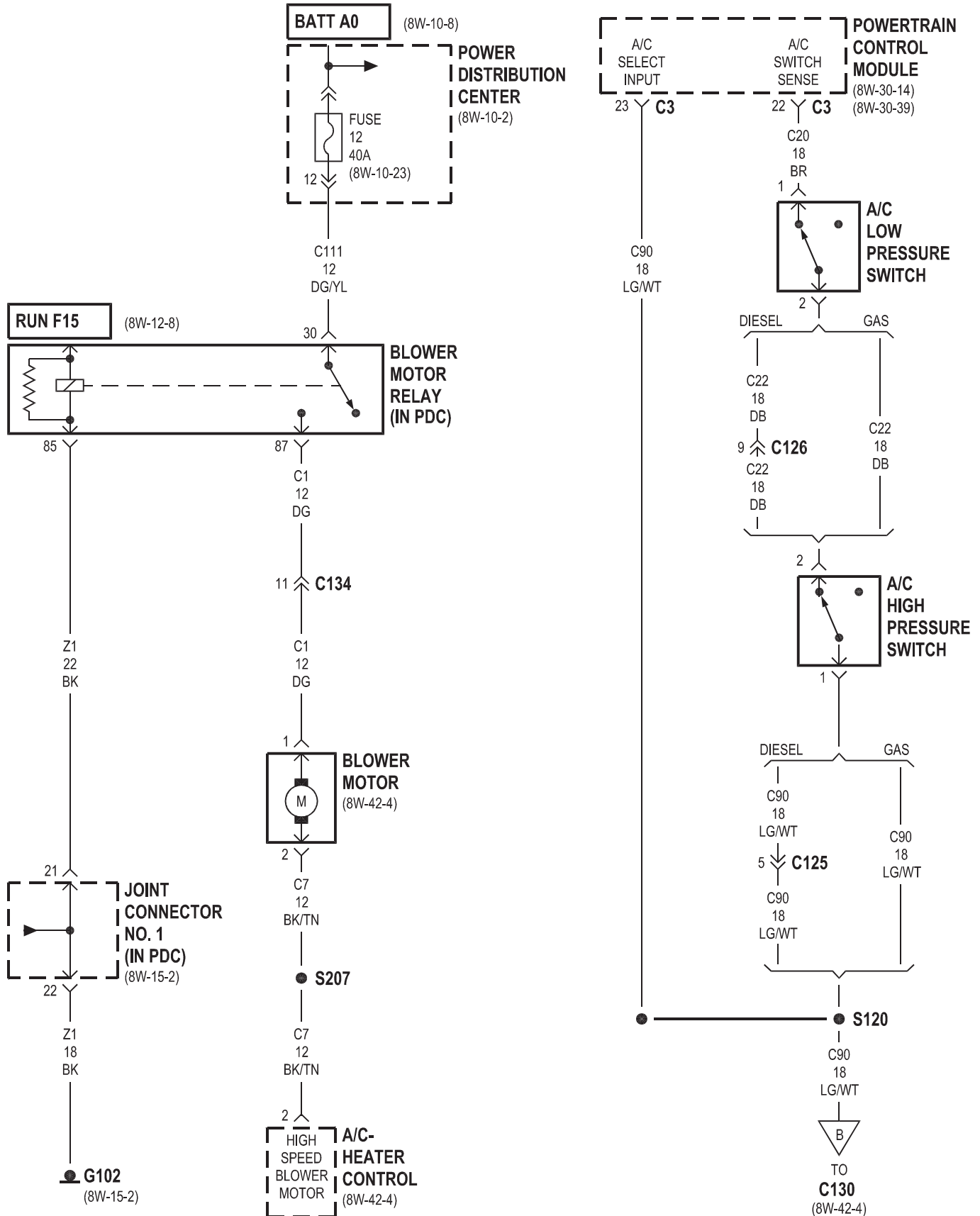


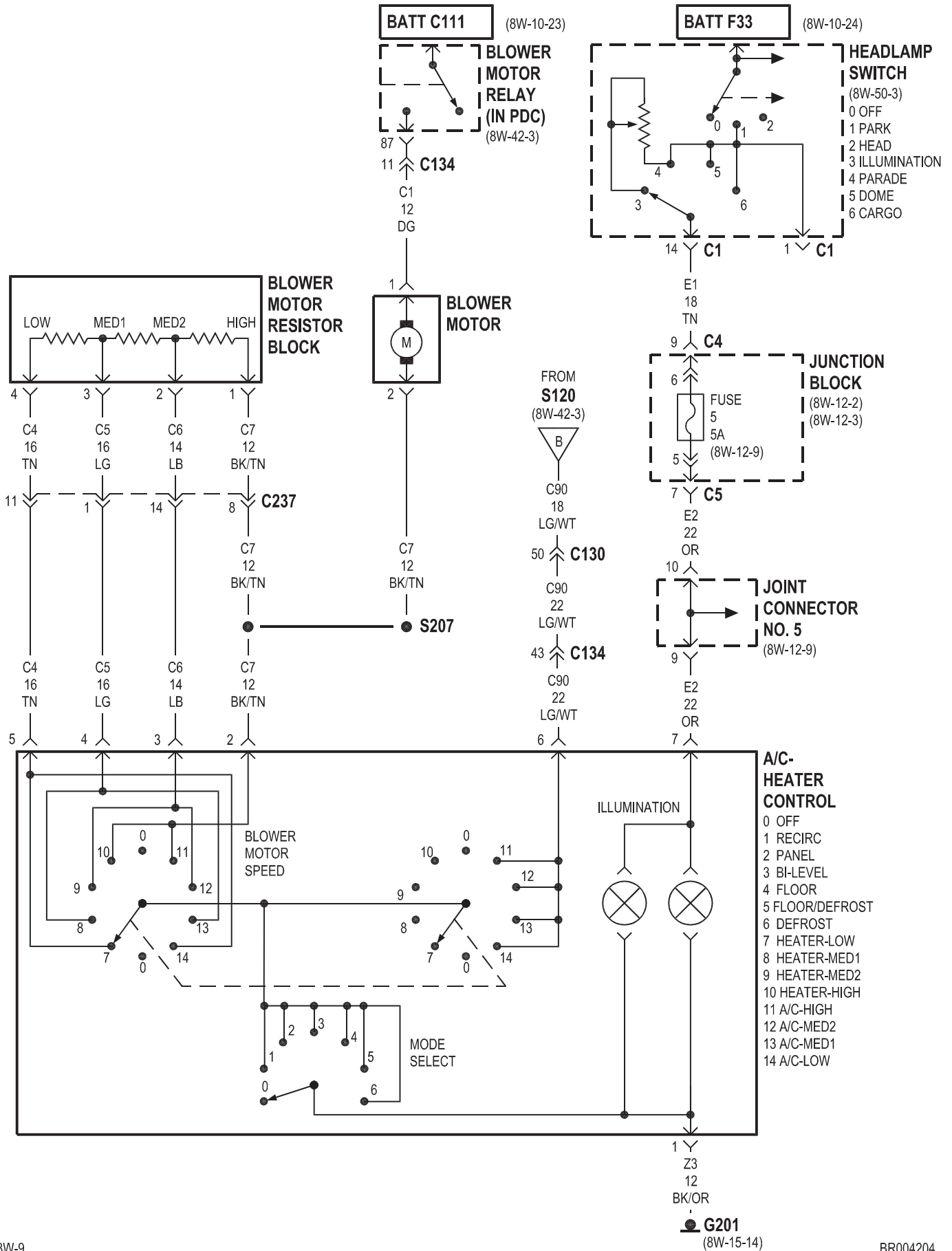


8W-42 AIR CONDITIONING-HEATER

Component	Page	Component	Page
A/C Compressor Clutch	8W-42-5	Fuse J (PDC)	8W-42-5
A/C Compressor Clutch Relay	8W-42-5	G102	8W-42-2, 3
A/C Heater Temperature Select	8W-42-2	G105	8W-42-5
A/C High Pressure Switch	8W-42-3	G107	8W-42-5
A/C Low Pressure Switch	8W-42-3	G200	8W-42-2
A/C-Heater Control	8W-42-3, 4	G201	8W-42-4
Blend Door Actuator	8W-42-2	Headlamp Switch	8W-42-4
Blower Motor	8W-42-3, 4	Joint Connector No. 1	8W-42-2, 3
Blower Motor Relay	8W-42-2, 3, 4	Joint Connector No. 5	8W-42-4
Blower Motor Resistor Block	8W-42-4	Joint Connector No. 8	8W-42-2
Fuse 2 (JB)	8W-42-2	Junction Block	8W-42-2, 4, 5
Fuse 5 (JB)	8W-42-4	Power Distribution Center	8W-42-3, 5
Fuse 11 (JB)	8W-42-5	Powertrain Control Module	8W-42-3, 5
Fuse 12 (PDC)	8W-42-3		



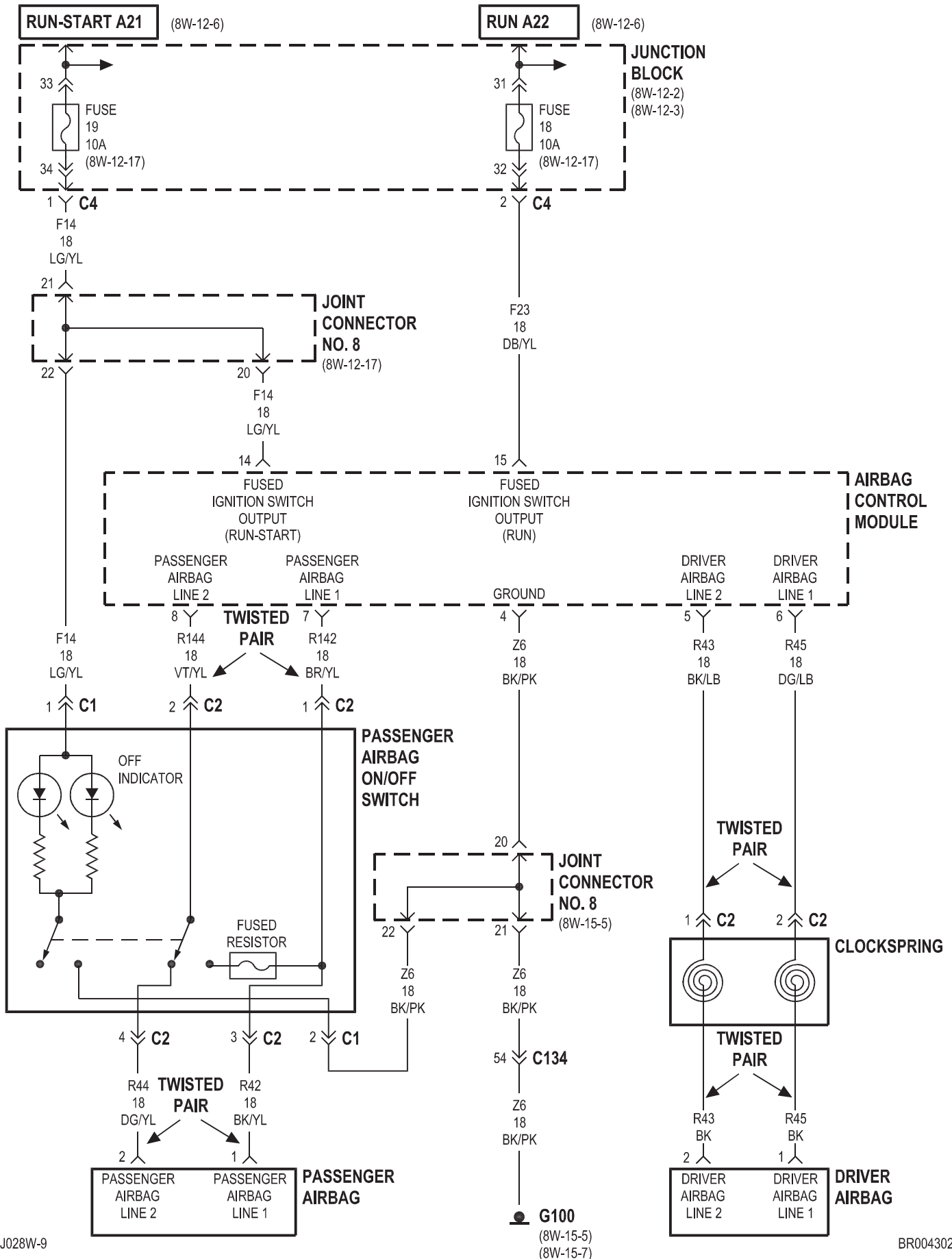


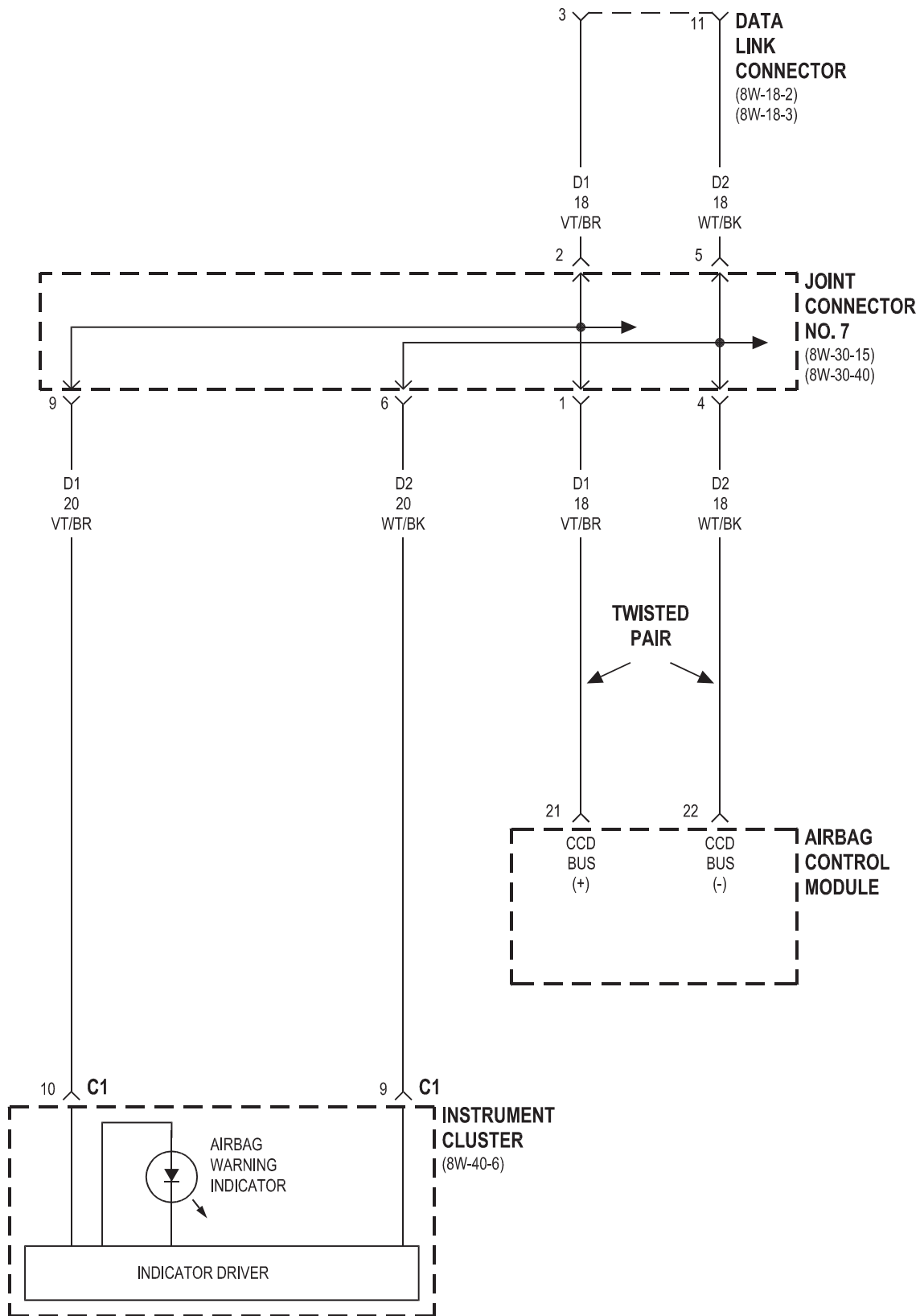




8W-43 AIRBAG SYSTEM

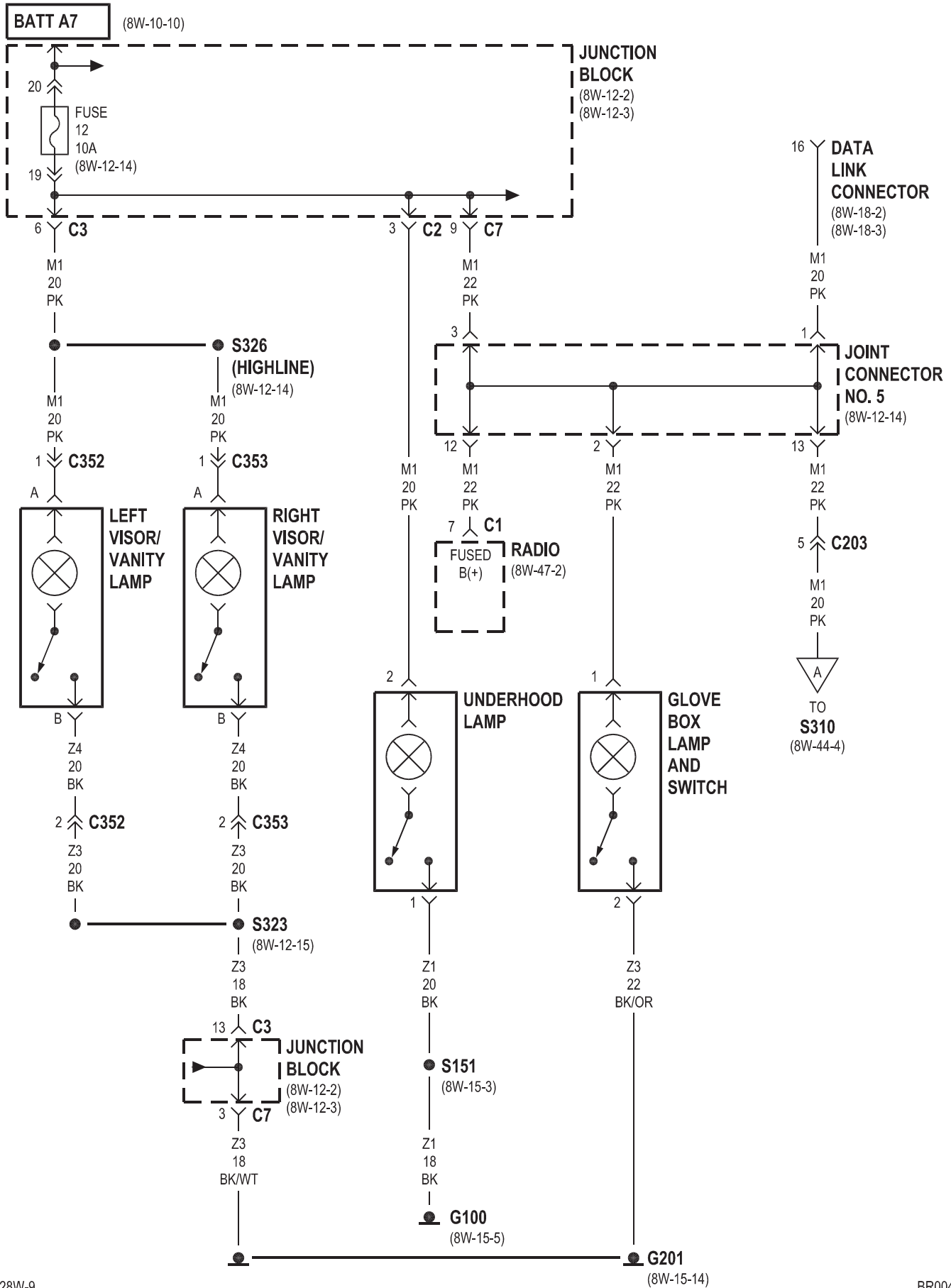
Component	Page	Component	Page
Airbag Control Module	8W-43-2, 3	Instrument Cluster	8W-43-3
Clockspring	8W-43-2	Joint Connector No. 7	8W-43-3
Data Link Connector	8W-43-3	Joint Connector No. 8	8W-43-2
Driver Airbag	8W-43-2	Junction Block	8W-43-2
Fuse 18 (JB)	8W-43-2	Passenger Airbag	8W-43-2
Fuse 19 (JB)	8W-43-2	Passenger Airbag On/Off Switch	8W-43-2
G100	8W-43-2		

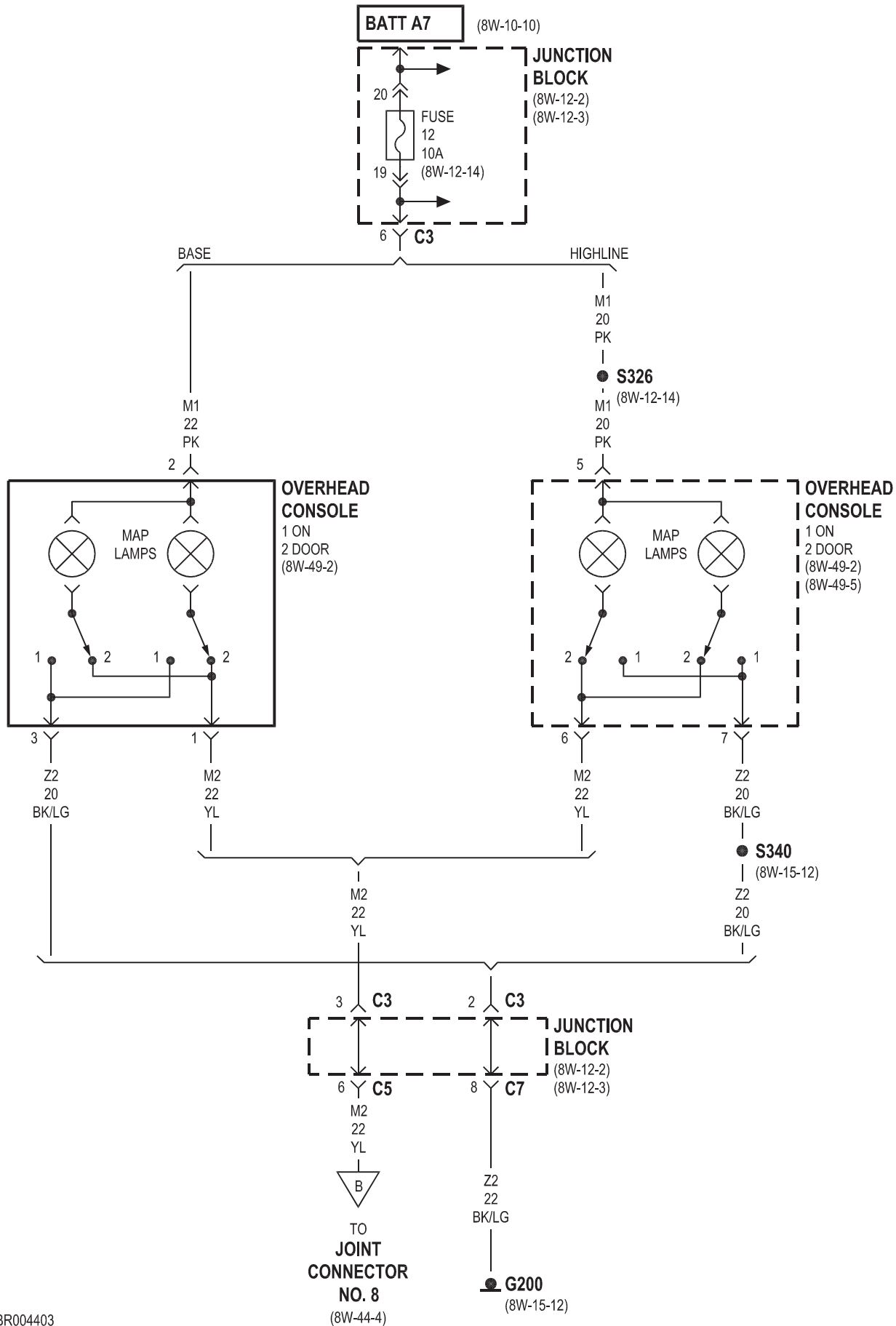


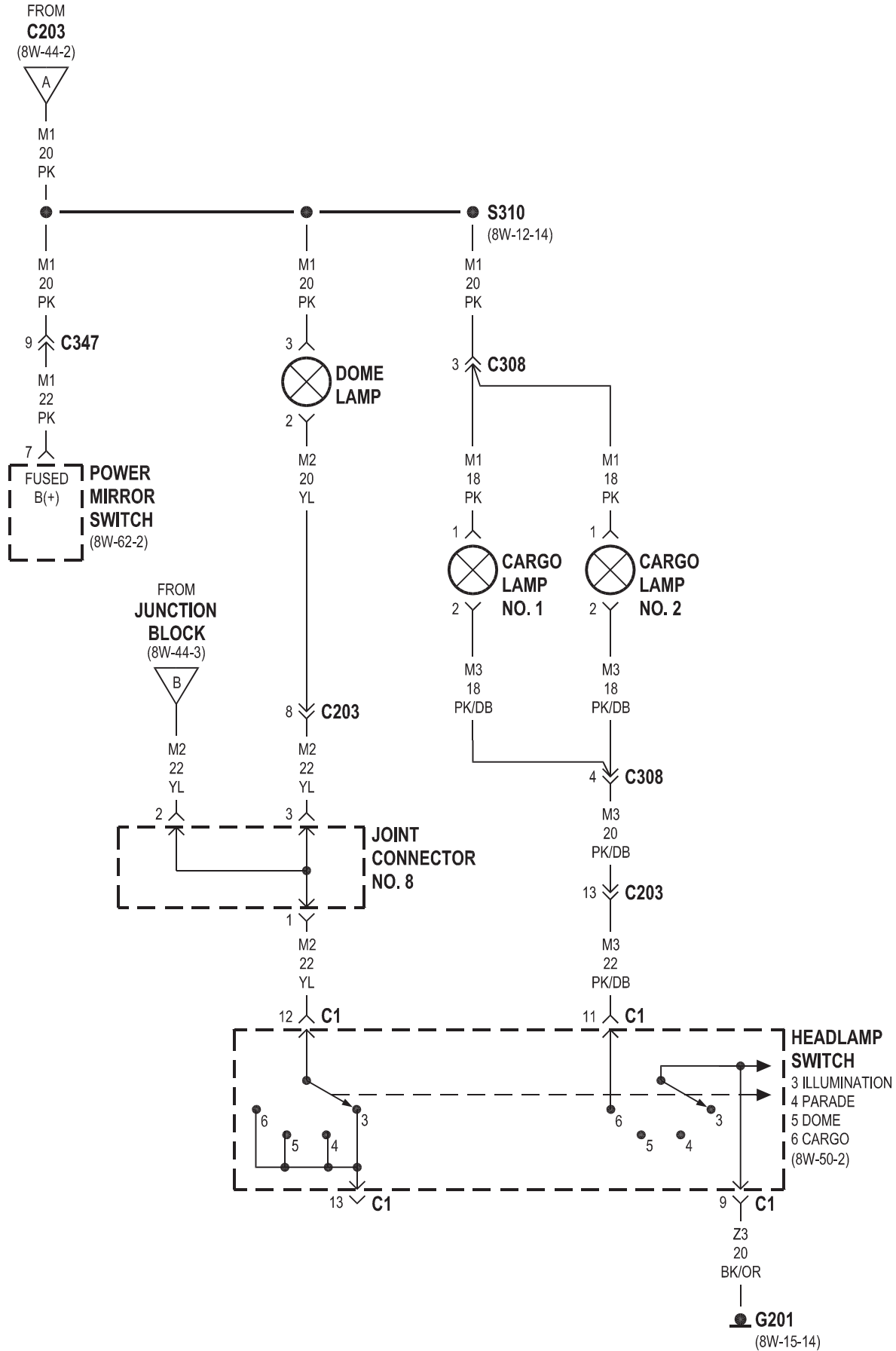


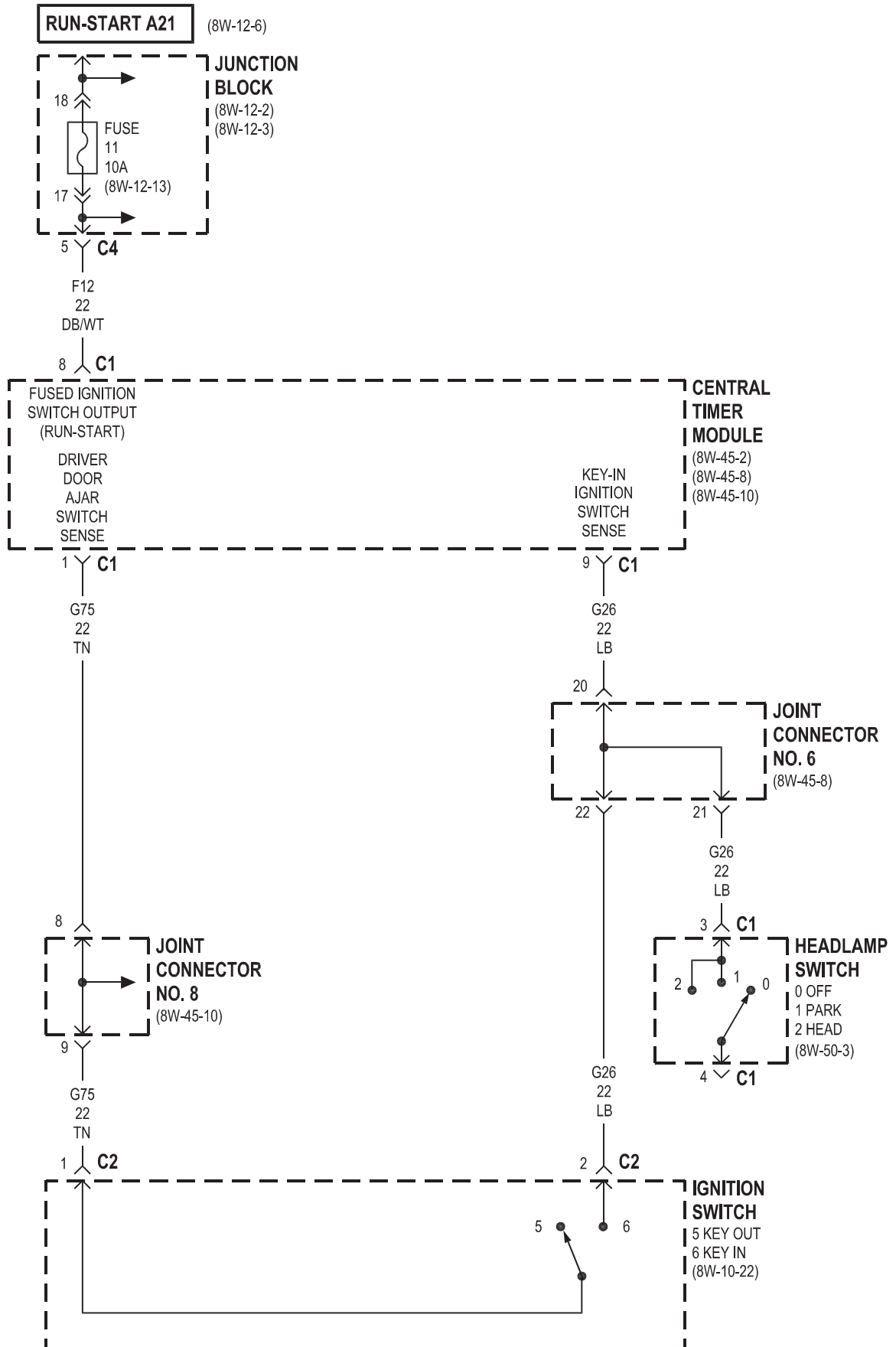
8W-44 INTERIOR LIGHTING

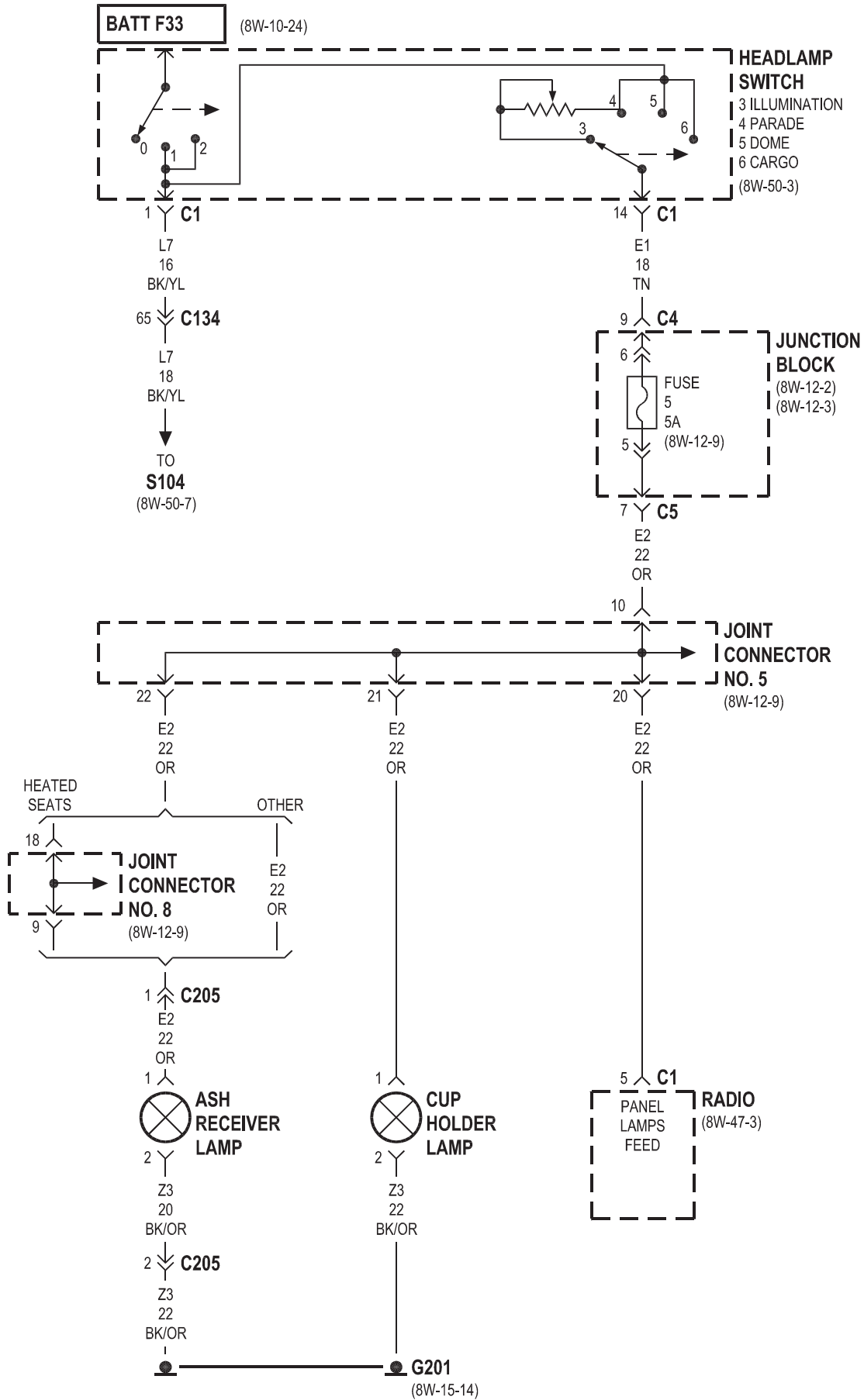
Component	Page	Component	Page
Ash Receiver Lamp	8W-44-6	Glove Box Lamp And Switch	8W-44-2
Cargo Lamp No. 1	8W-44-4	Headlamp Switch	8W-44-4, 5, 6
Cargo Lamp No. 2	8W-44-4	Ignition Switch	8W-44-5
Central Timer Module	8W-44-5	Joint Connector No. 5	8W-44-2, 6
Cup Holder Lamp	8W-44-6	Joint Connector No. 6	8W-44-5
Data Link Connector	8W-44-2	Joint Connector No. 8	8W-44-3, 4, 5, 6
Dome Lamp	8W-44-4	Junction Block	8W-44-2, 3, 4, 5, 6
Fuse 5 (JB)	8W-44-6	Left Visor/Vanity Lamp	8W-44-2
Fuse 11 (JB)	8W-44-5	Overhead Console	8W-44-3
Fuse 12 (JB)	8W-44-2, 3	Power Mirror Switch	8W-44-4
G100	8W-44-2	Radio	8W-44-2, 6
G200	8W-44-3	Right Visor/Vanity Lamp	8W-44-2
G201	8W-44-2, 4, 6	Underhood Lamp	8W-44-2





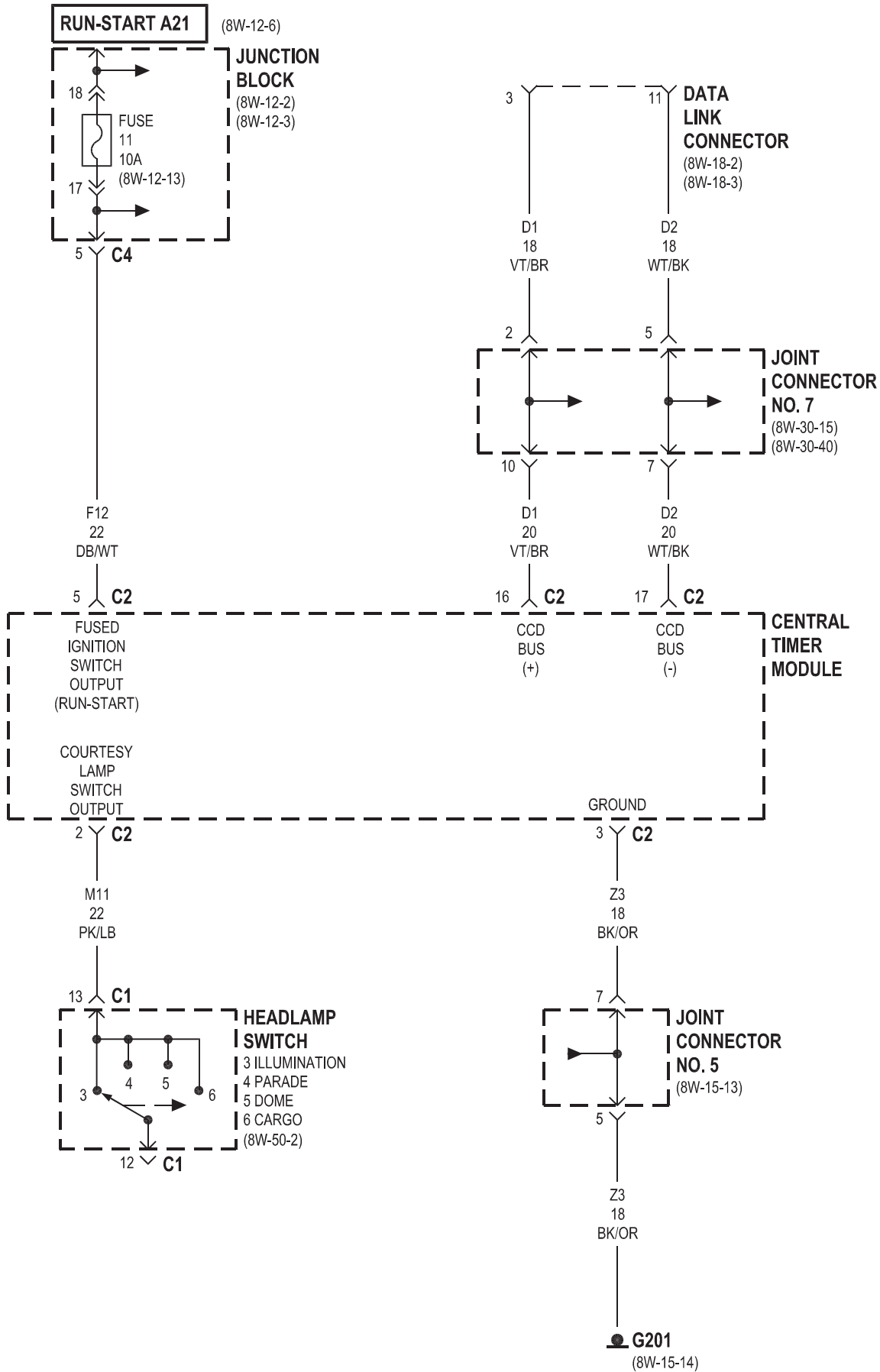


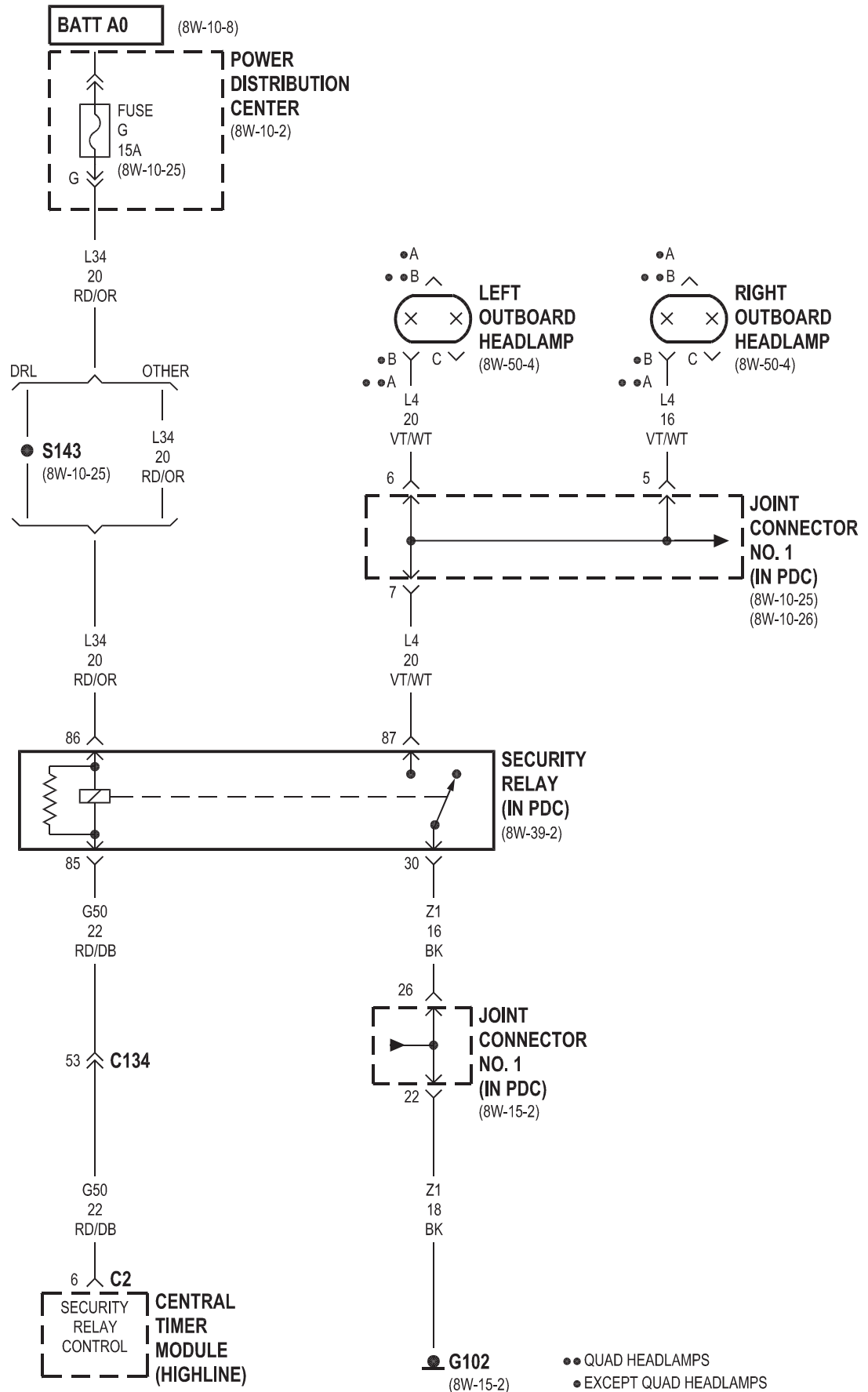


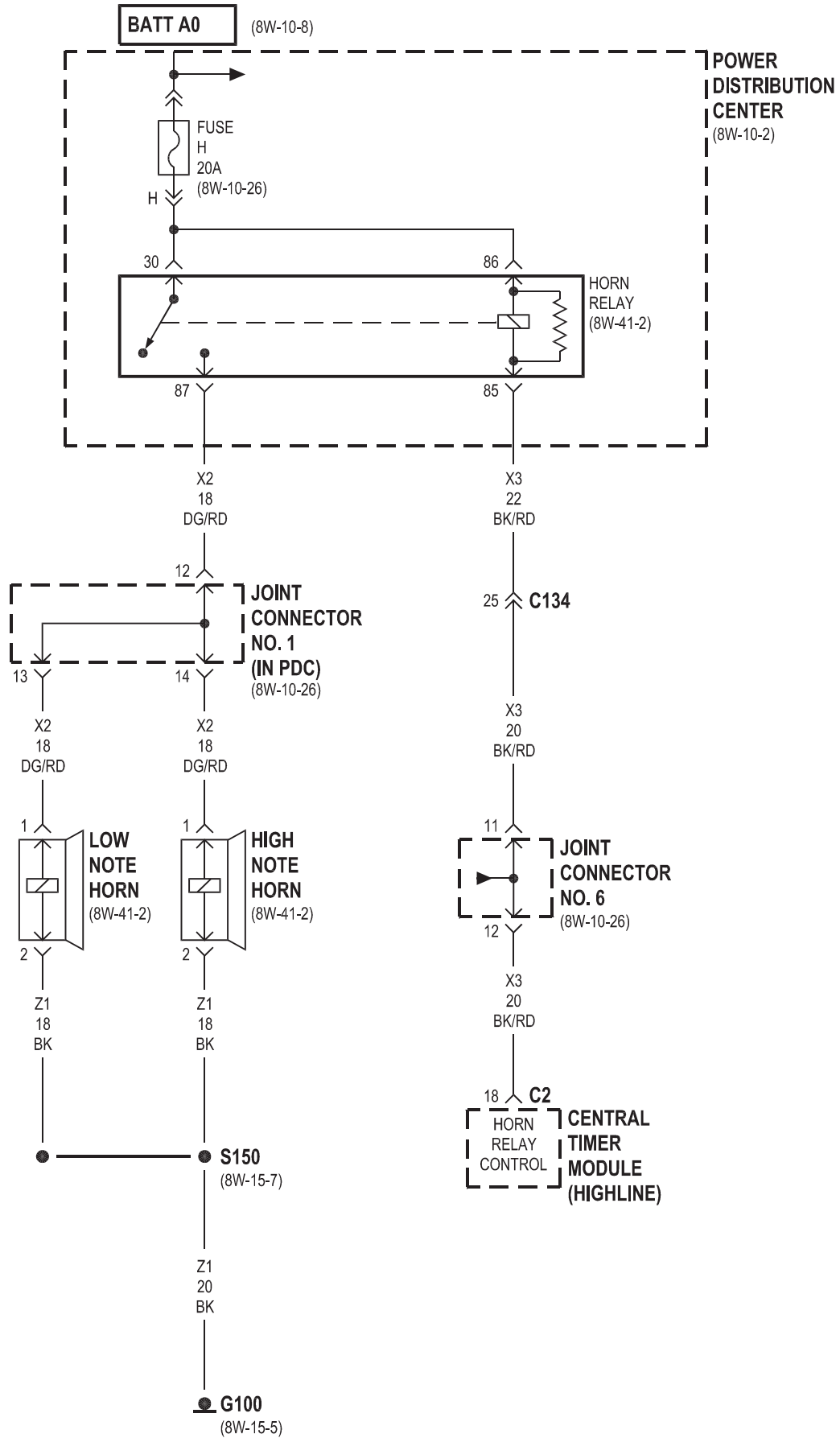


8W-45 CENTRAL TIMER MODULE

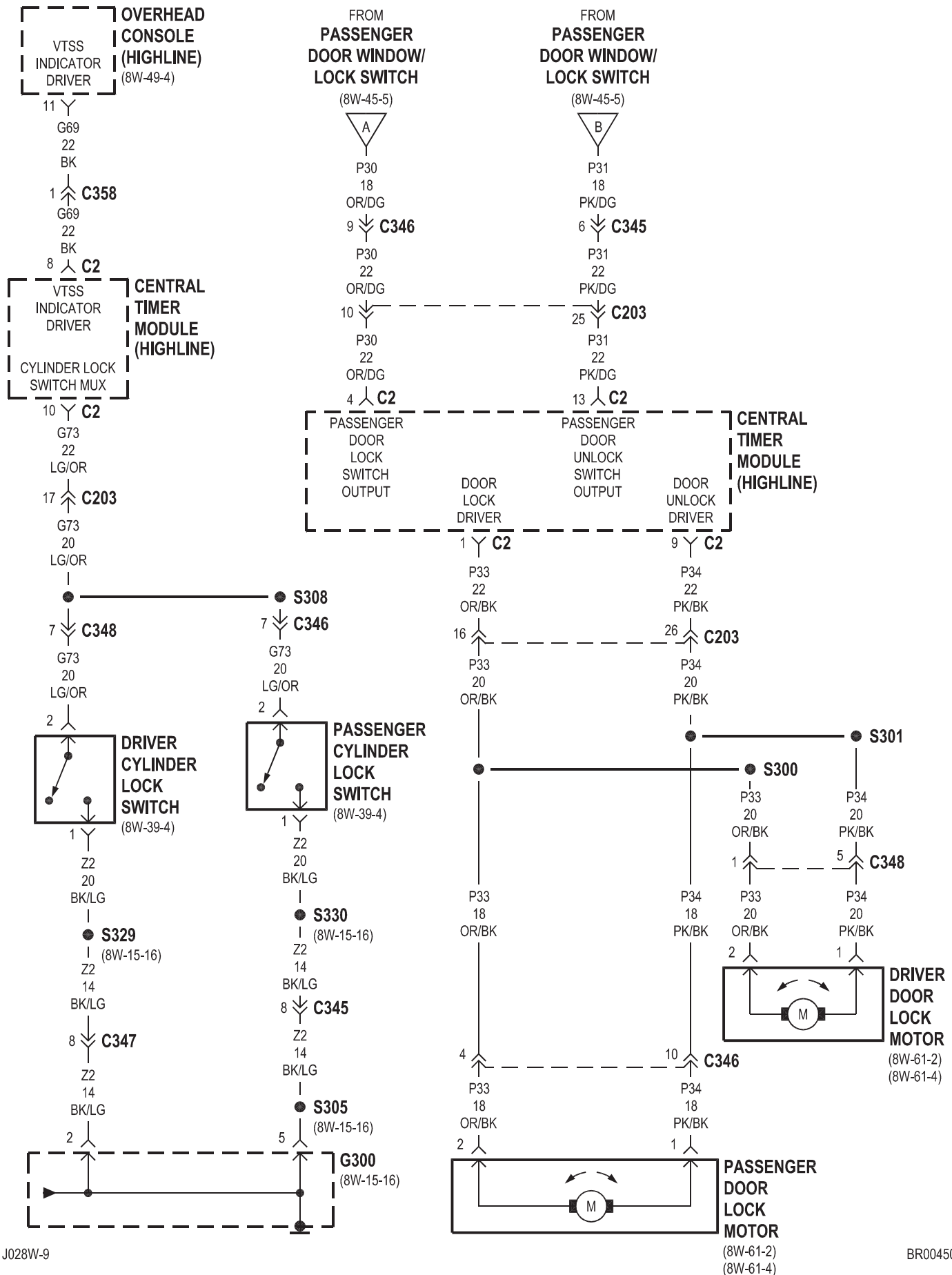
Component	Page	Component	Page
Central Timer Module . . .	8W-45-2, 3, 4, 6, 7, 8, 9, 10	Instrument Cluster	8W-45-8
Clockspring	8W-45-7	Intermittent Wiper Switch	8W-45-9
Data Link Connector	8W-45-2	Joint Connector No. 1	8W-45-3, 4
Driver Cylinder Lock Switch	8W-45-6	Joint Connector No. 2	8W-45-9
Driver Door Ajar Switch	8W-45-7, 10	Joint Connector No. 5	8W-45-2
Driver Door Lock Motor	8W-45-6	Joint Connector No. 6	8W-45-4, 7, 8, 9, 10
Driver Door Window/Lock Switch	8W-45-5	Joint Connector No. 7	8W-45-2
Fuse 6 (JB)	8W-45-8, 9	Joint Connector No. 8	8W-45-7, 8, 10
Fuse 11 (JB)	8W-45-2, 8	Junction Block	8W-45-2, 5, 7, 8, 9
Fuse 13 (JB)	8W-45-5, 8	Left Outboard Headlamp	8W-45-3
Fuse G (PDC)	8W-45-3	Low Note Horn	8W-45-4
Fuse H (PDC)	8W-45-4	Overhead Console	8W-45-6
G100	8W-45-4, 9	Passenger Cylinder Lock Switch	8W-45-6
G102	8W-45-3	Passenger Door Ajar Switch	8W-45-10
G200	8W-45-8	Passenger Door Lock Motor	8W-45-6
G201	8W-45-2	Passenger Door Window/Lock Switch . . .	8W-45-5, 6
G300	8W-45-6, 7, 10	Power Distribution Center	8W-45-3, 4
Headlamp Switch	8W-45-2, 7, 8, 10	Right Outboard Headlamp	8W-45-3
Heated Seat Relay	8W-45-7	Security Relay	8W-45-3
High Note Horn	8W-45-4	Wiper Motor	8W-45-9
Horn Relay	8W-45-4	Wiper Motor Relay	8W-45-9
Ignition Switch	8W-45-7, 8, 10		

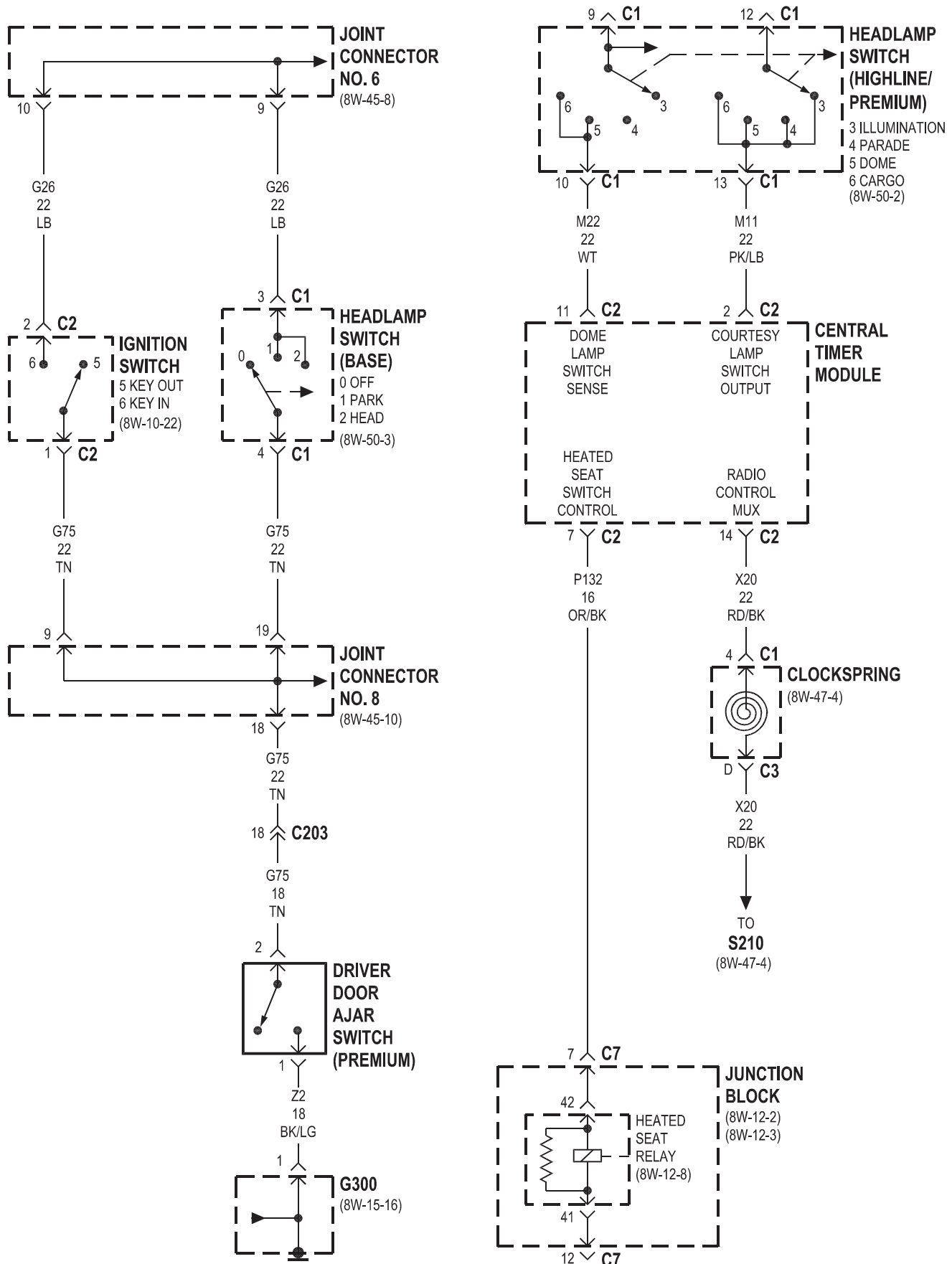


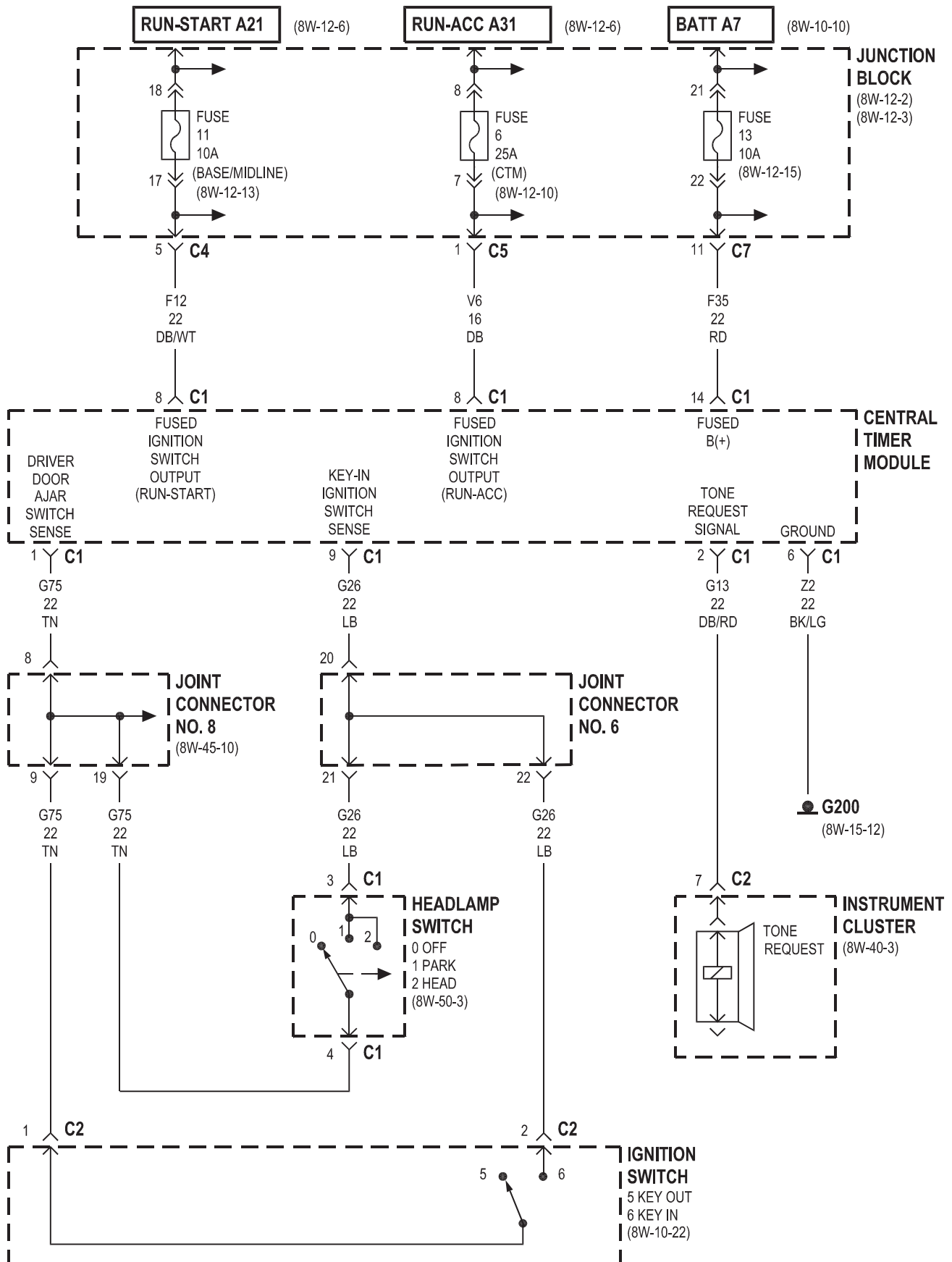




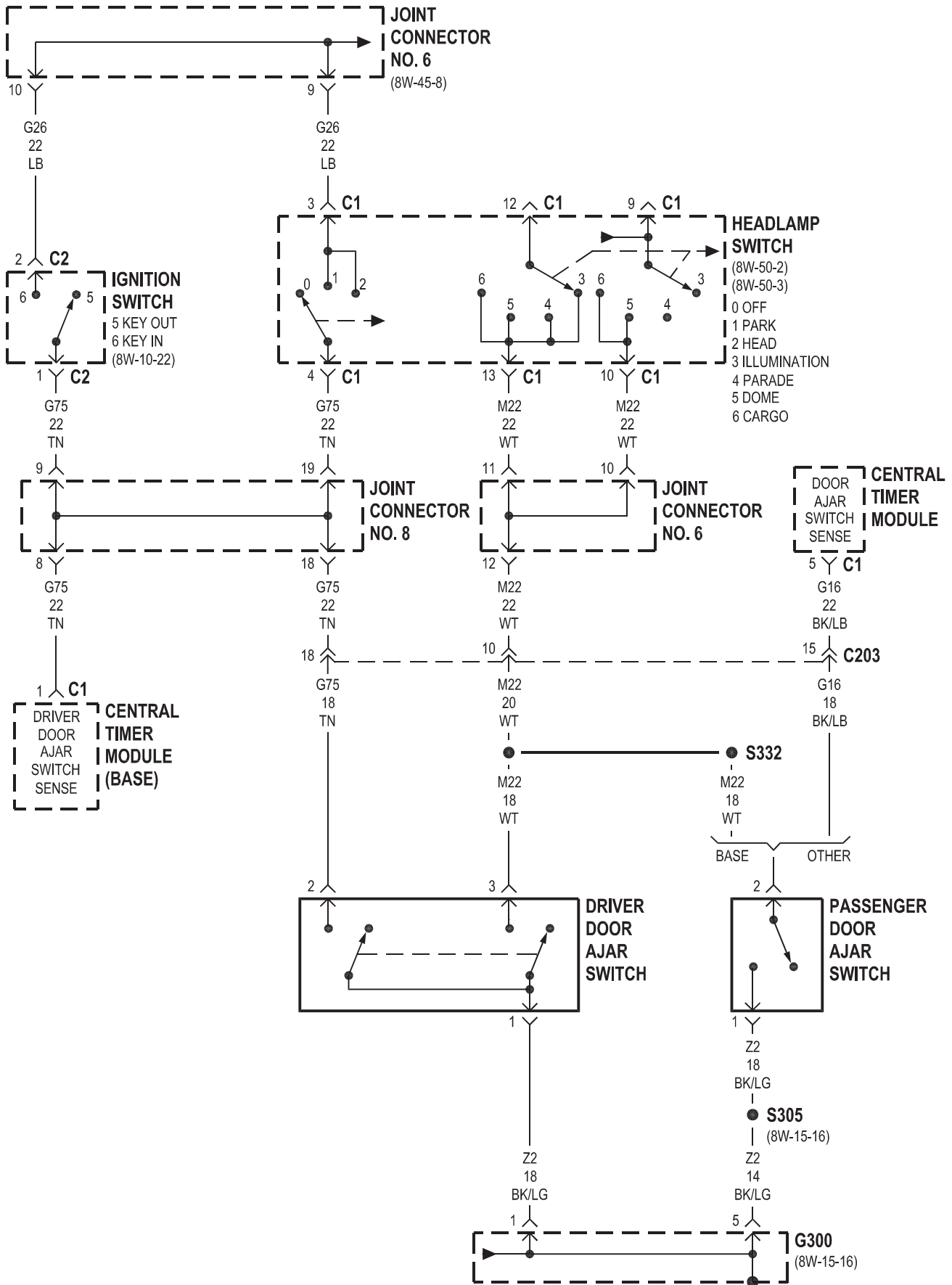






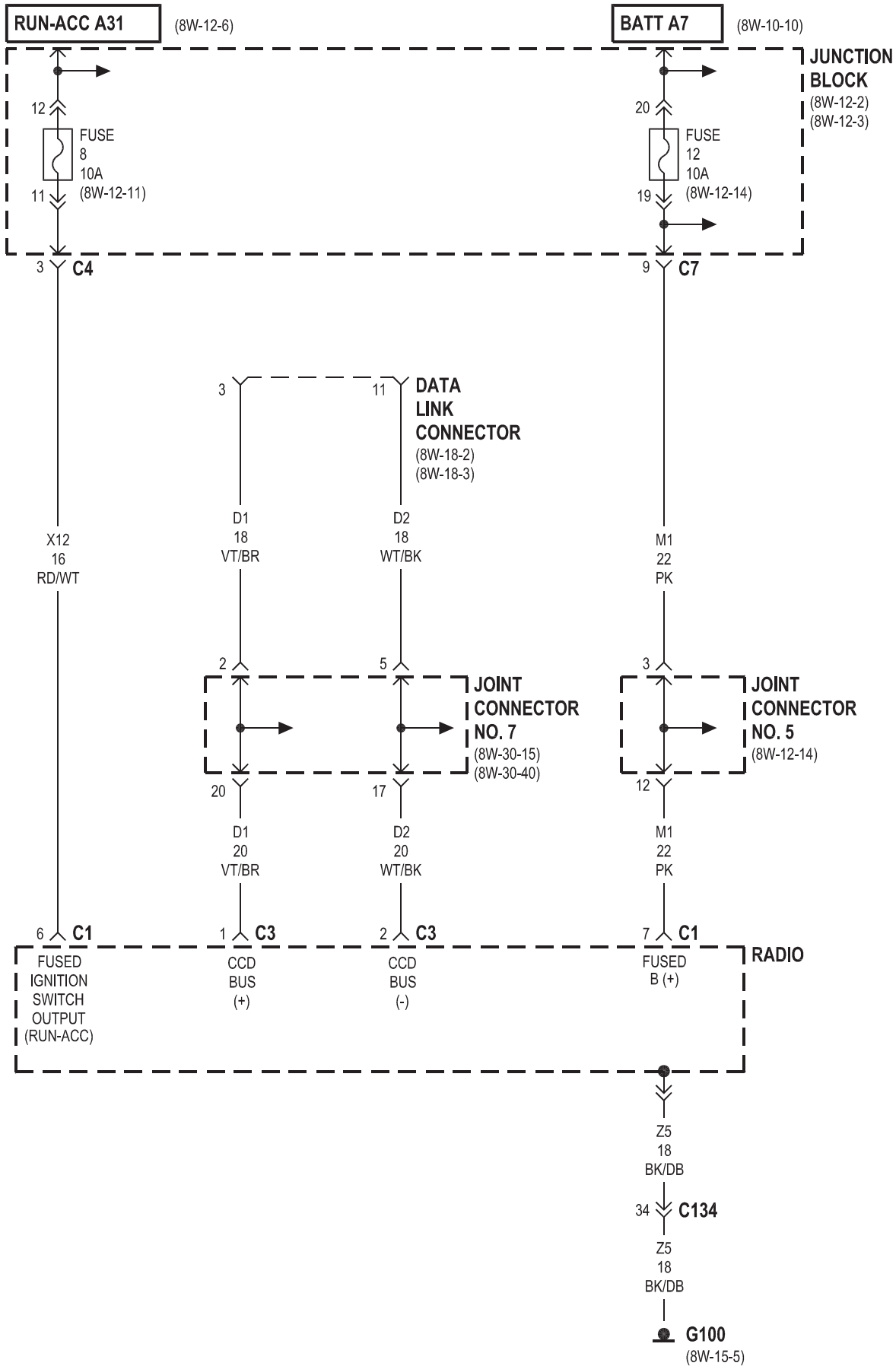


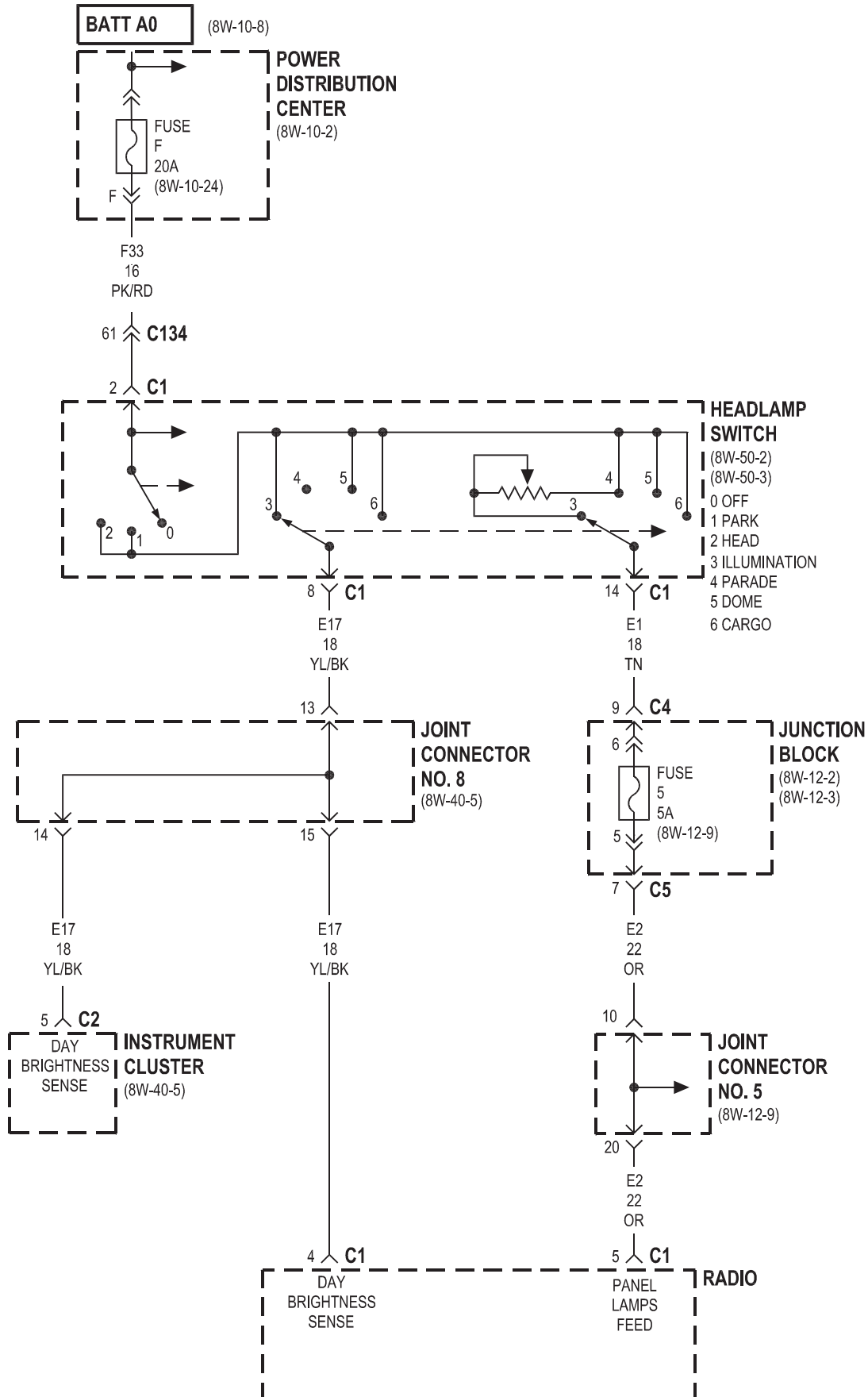


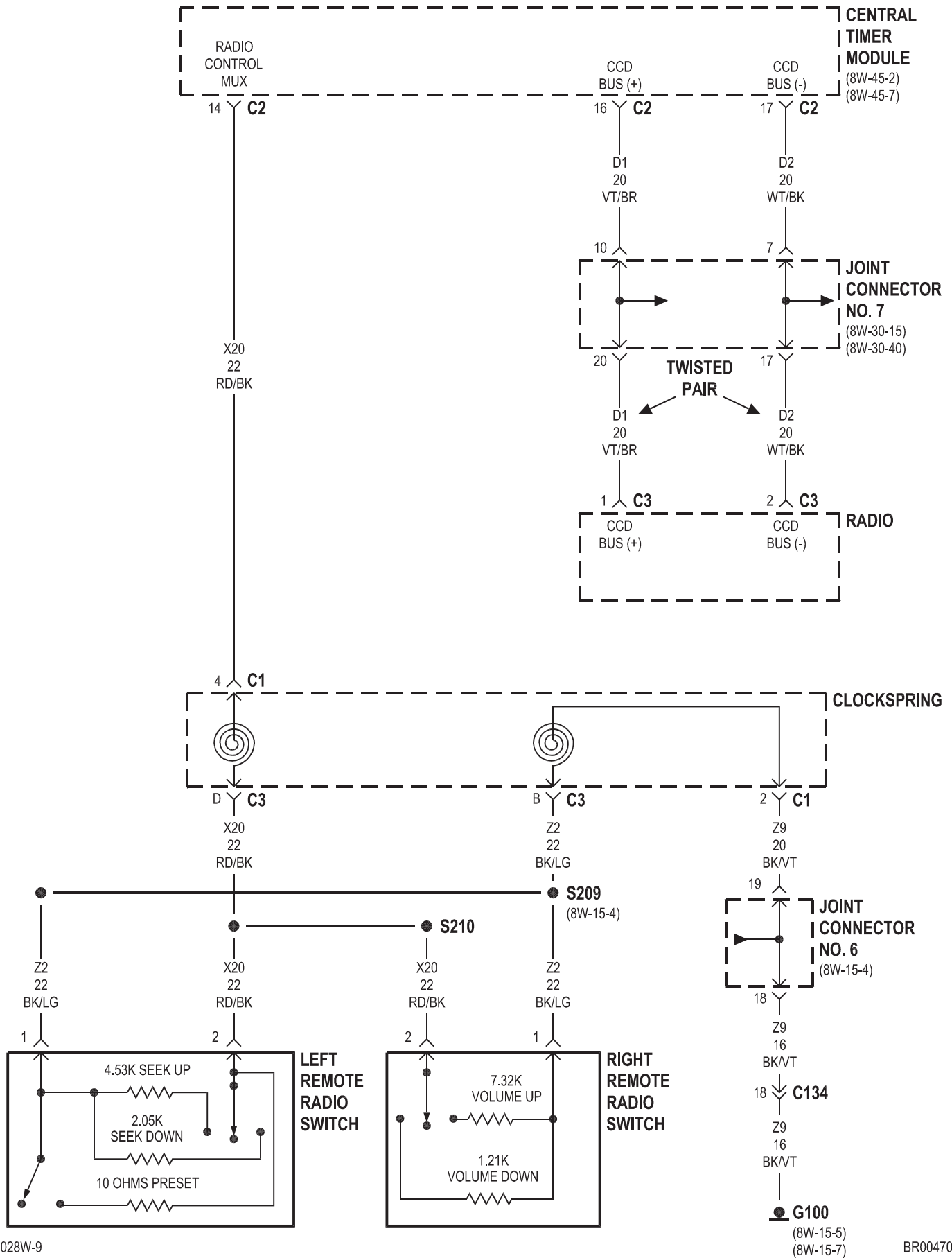


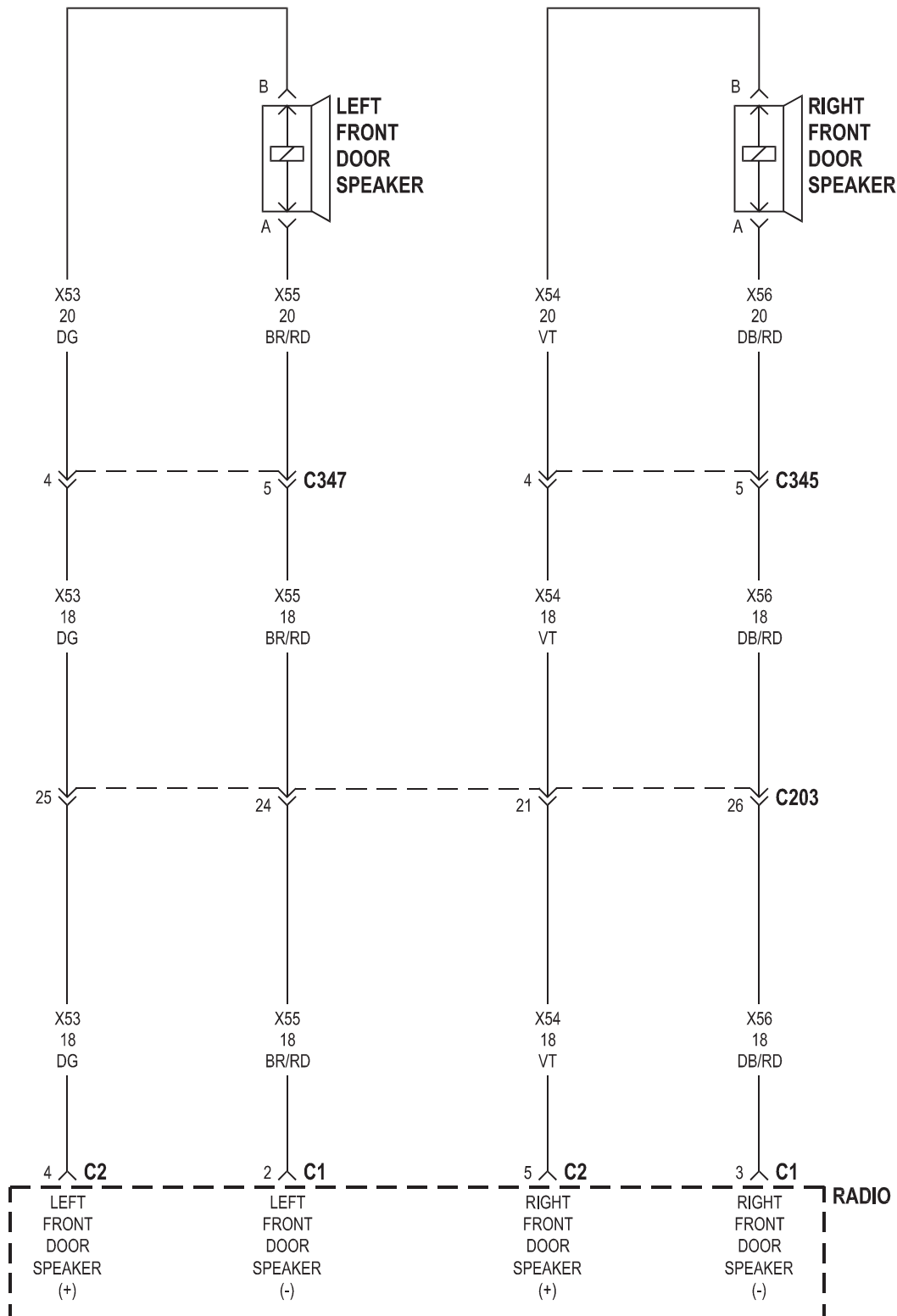
8W-47 AUDIO SYSTEM

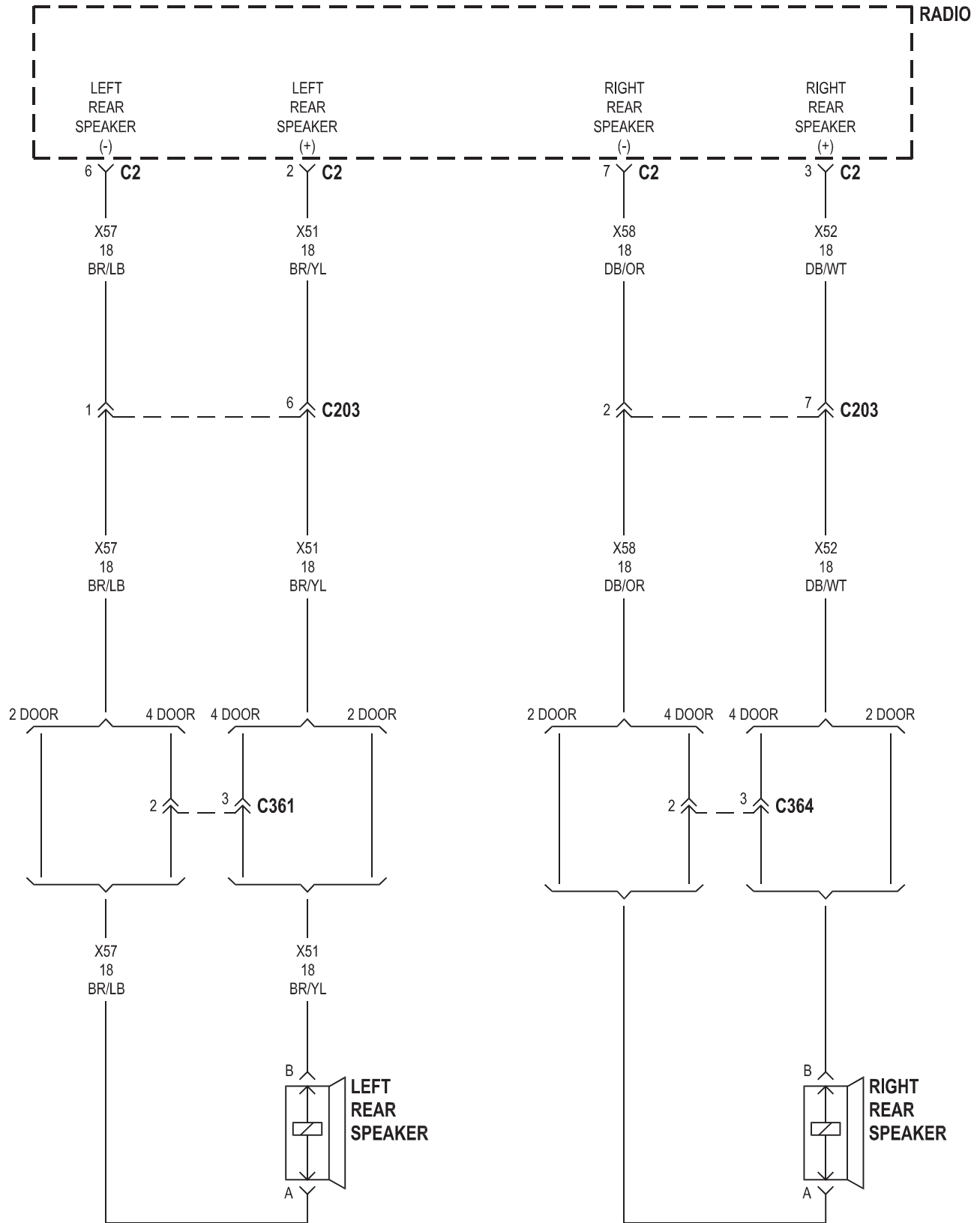
Component	Page	Component	Page
Central Timer Module	8w-47-4	Joint Connector No. 8	8w-47-3
Clockspring	8w-47-4	Junction Block	8w-47-2, 3, 7
Data Link Connector	8w-47-2	Left Front Door Speaker	8w-47-5, 7, 8, 9
Fuse 4 (JB)	8w-47-7	Left Rear Speaker	8w-47-6, 9
Fuse 5 (JB)	8w-47-3	Left Remote Radio Switch	8w-47-4
Fuse 8 (JB)	8w-47-2	Left Tweeter	8w-47-8
Fuse 12 (JB)	8w-47-2	Power Distribution Center	8w-47-3
Fuse F (PDC)	8w-47-3	Radio	8w-47-2, 3, 4, 5, 6, 7, 8, 9
G100	8w-47-2, 4, 7, 8	Radio Choke Relay	8w-47-7, 8
Headlamp Switch	8w-47-3	Right Front Door Speaker	8w-47-5, 7, 8, 9
Instrument Cluster	8w-47-3	Right Rear Speaker	8w-47-6, 9
Joint Connector No. 5	8w-47-2, 3	Right Remote Radio Switch	8w-47-4
Joint Connector No. 6	8w-47-4, 7, 8	Right Tweeter	8w-47-8
Joint Connector No. 7	8w-47-2, 4		

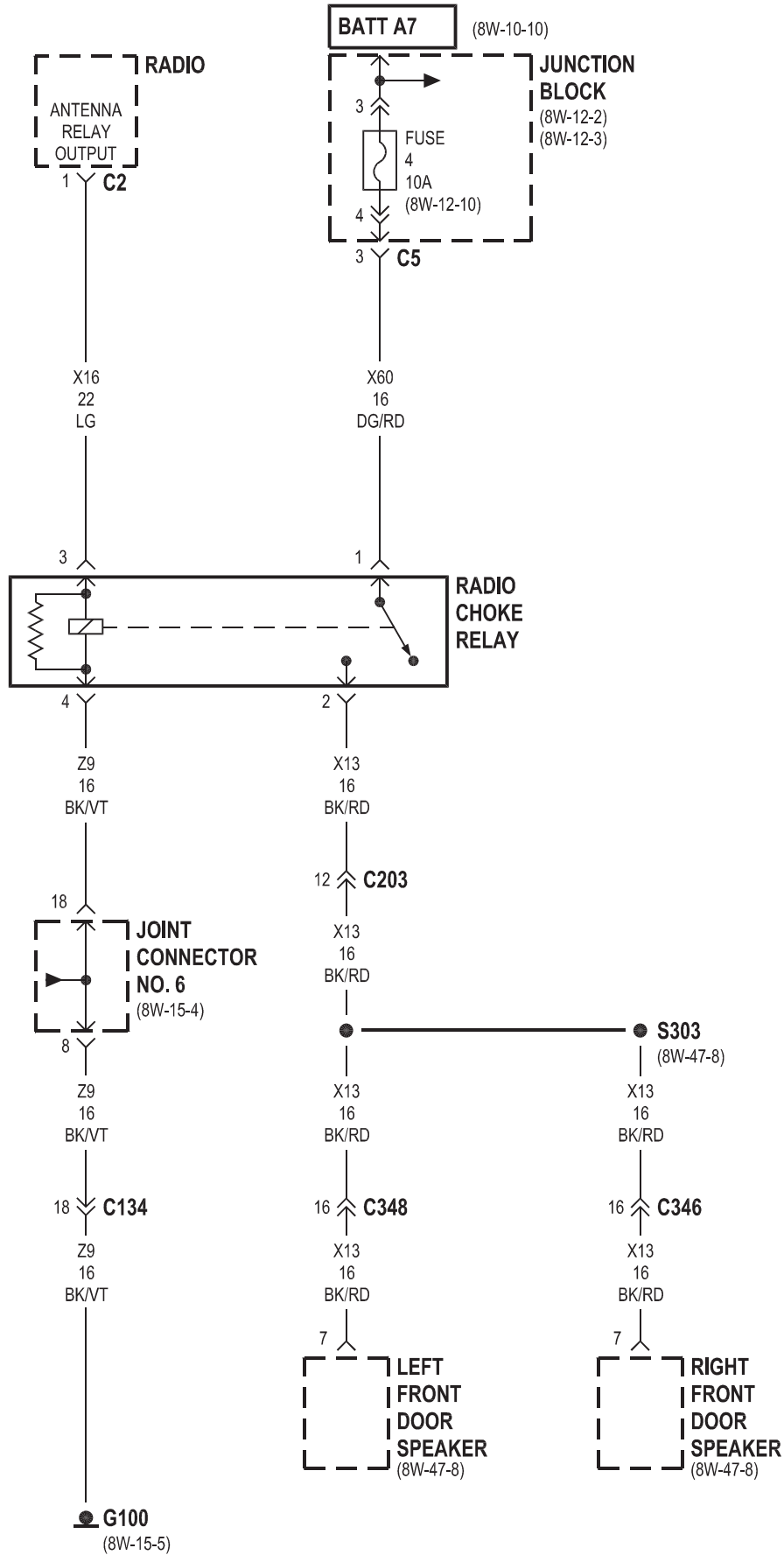








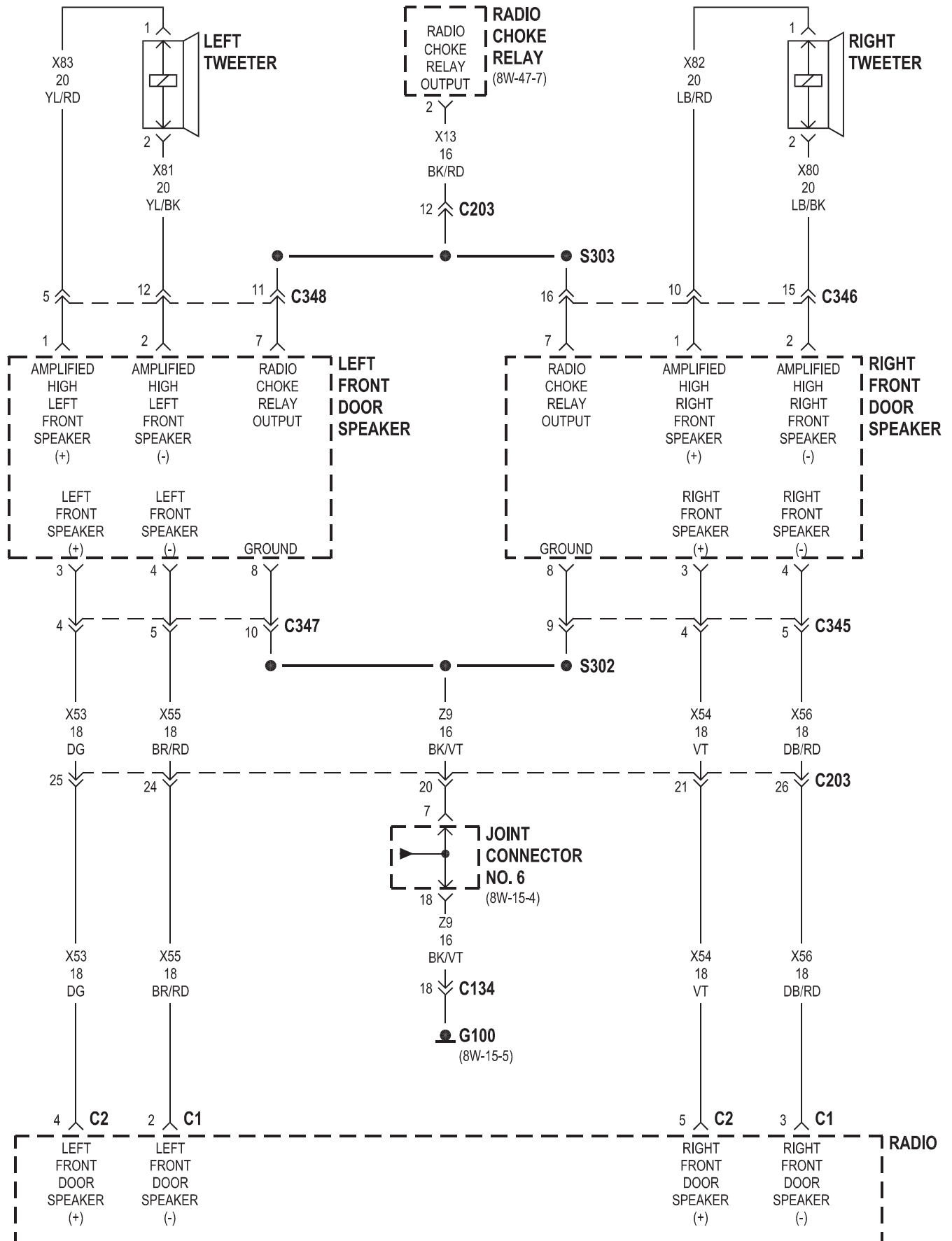




8W - 47 - 8

8W-47 AUDIO SYSTEM PREMIUM

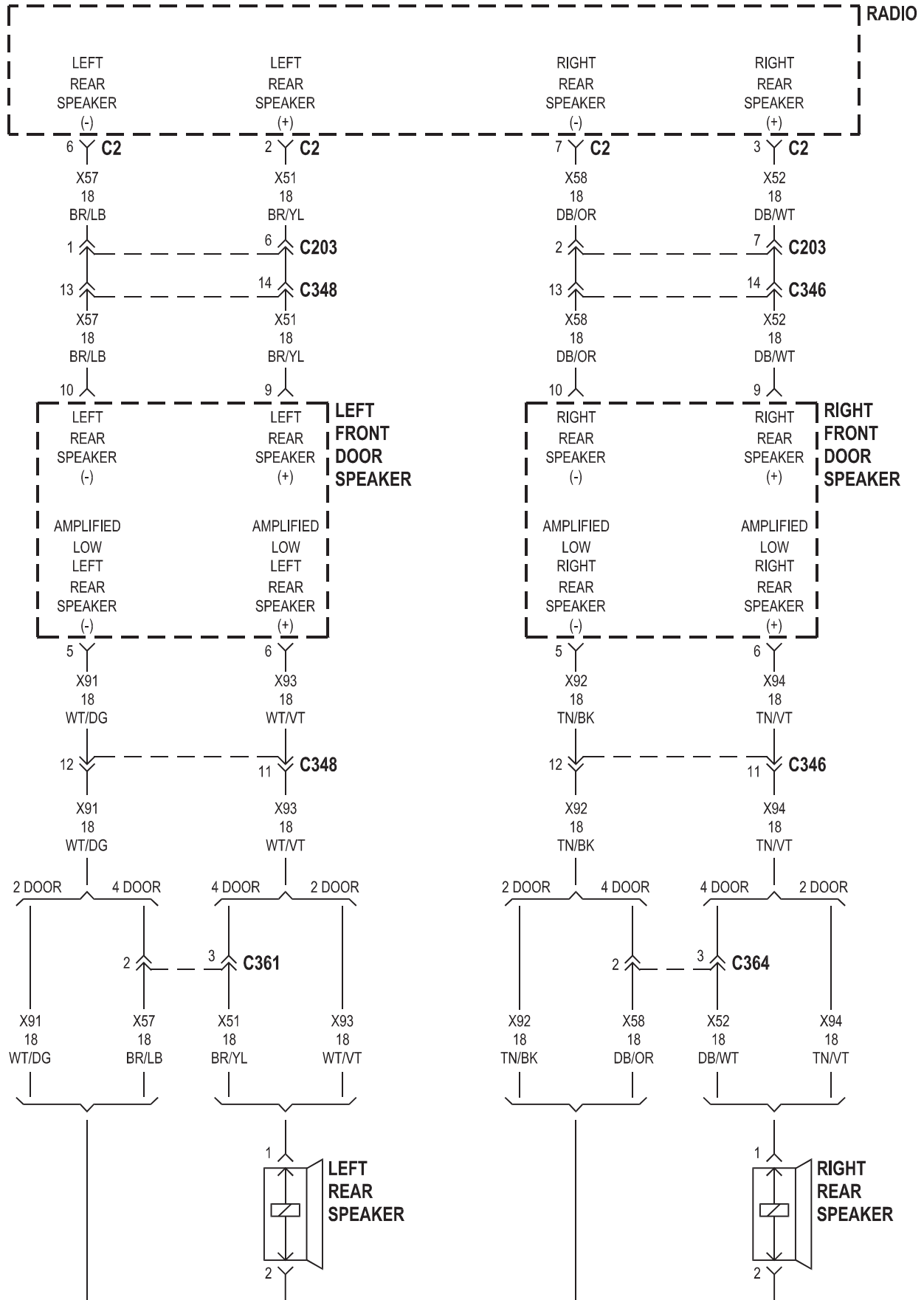
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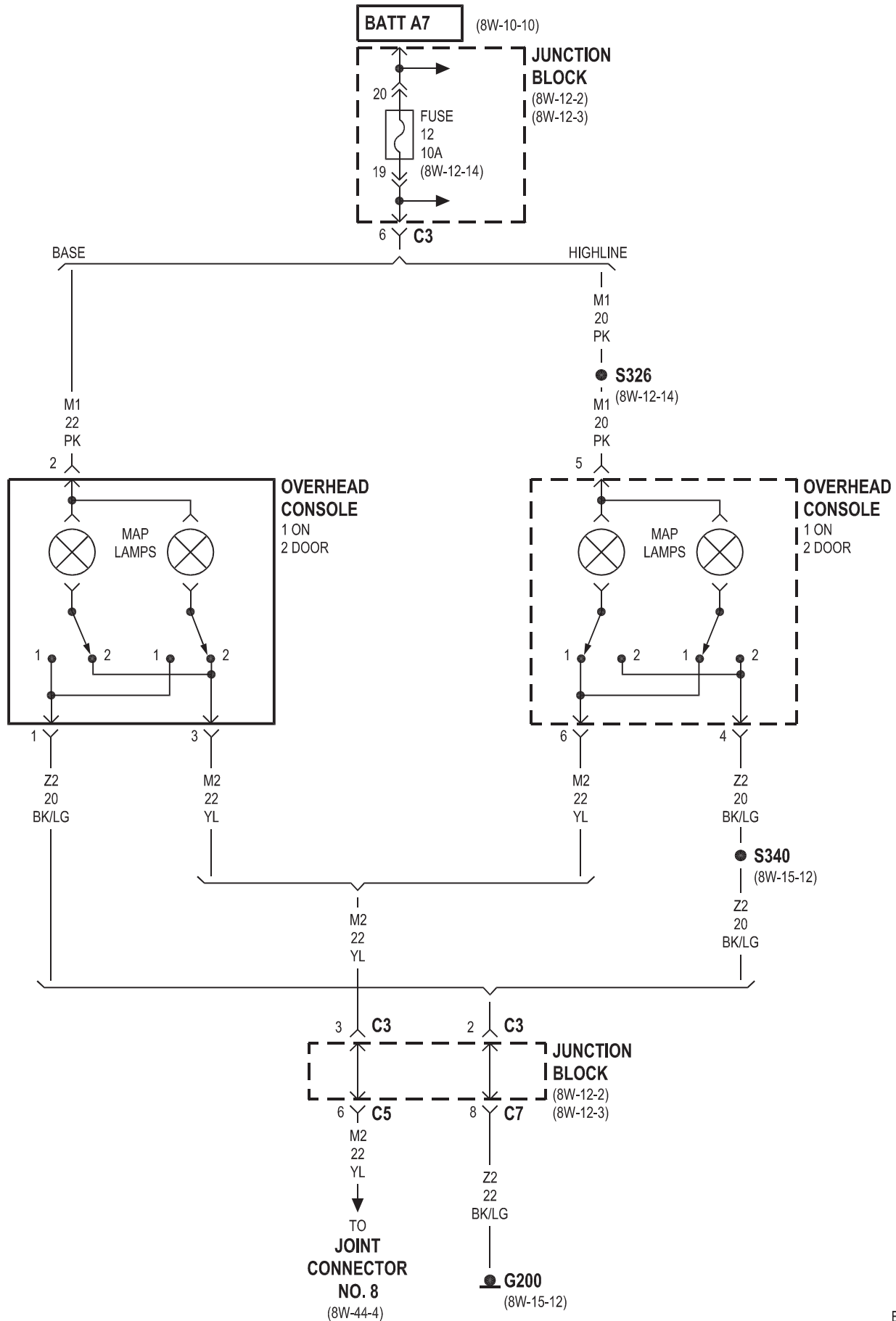
8W-47 AUDIO SYSTEM PREMIUM

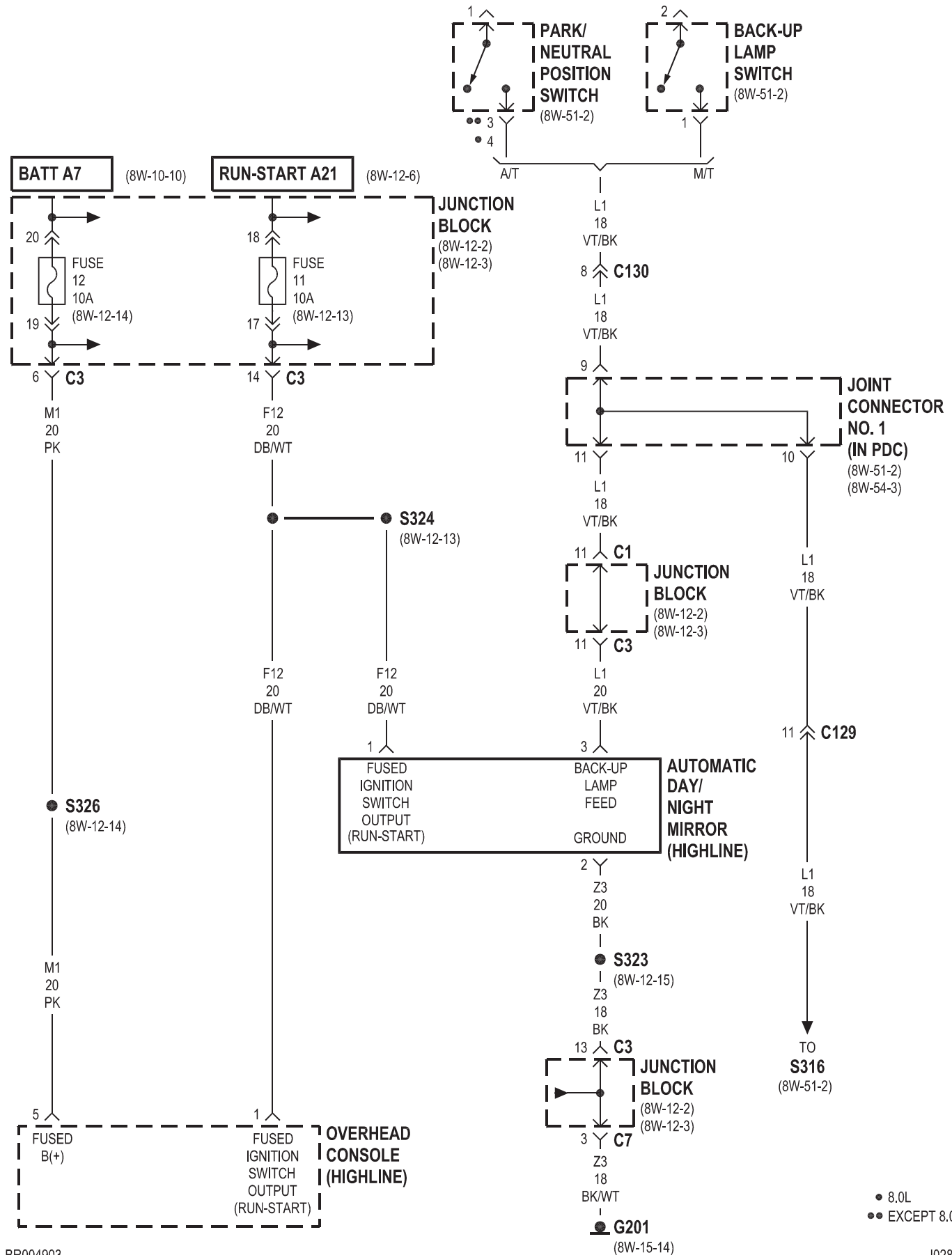
8W - 47 - 9



8W-49 OVERHEAD CONSOLE

Component	Page	Component	Page
Ambient Temperature Sensor	8W-49-5	Joint Connector No. 1	8W-49-3
Automatic Day/Night Mirror	8W-49-3	Joint Connector No. 7	8W-49-4
Back-Up Lamp Switch	8W-49-3	Joint Connector No. 8	8W-49-2
Central Timer Module	8W-49-4	Junction Block	8W-49-2, 3, 5, 6
Controller Antilock Brake	8W-49-4	Left Visor/Vanity Lamp	8W-49-6
Engine Control Module	8W-49-4	Overhead Console	8W-49-2, 3, 4, 5, 6
Fuse 11 (JB)	8W-49-3	Park/Neutral Position Switch	8W-49-3
Fuse 12 (JB)	8W-49-2, 3, 6	Powertrain Control Module	8W-49-4
G200	8W-49-2, 5	Right Visor/Vanity Lamp	8W-49-6
G201	8W-49-3, 6		

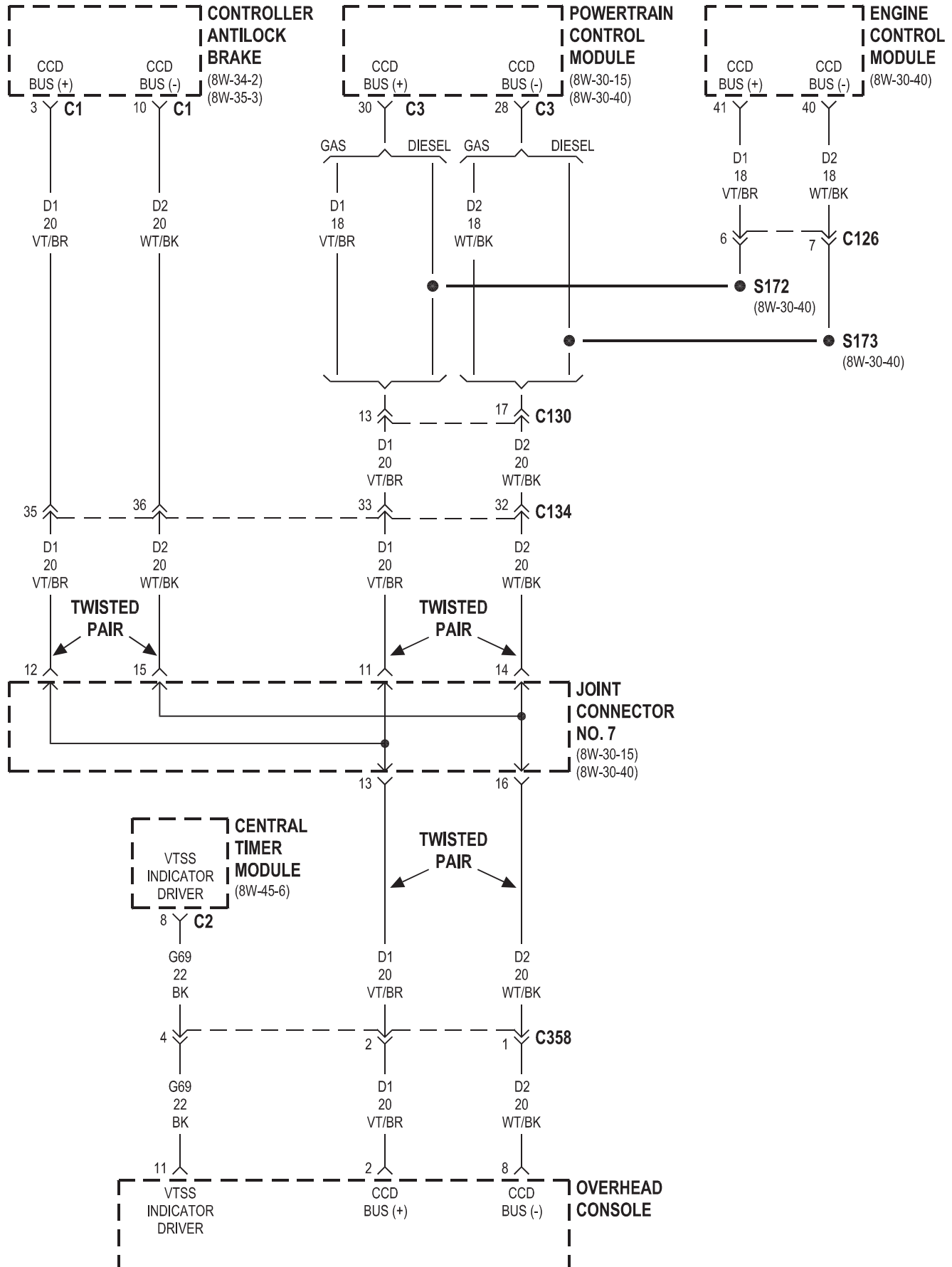


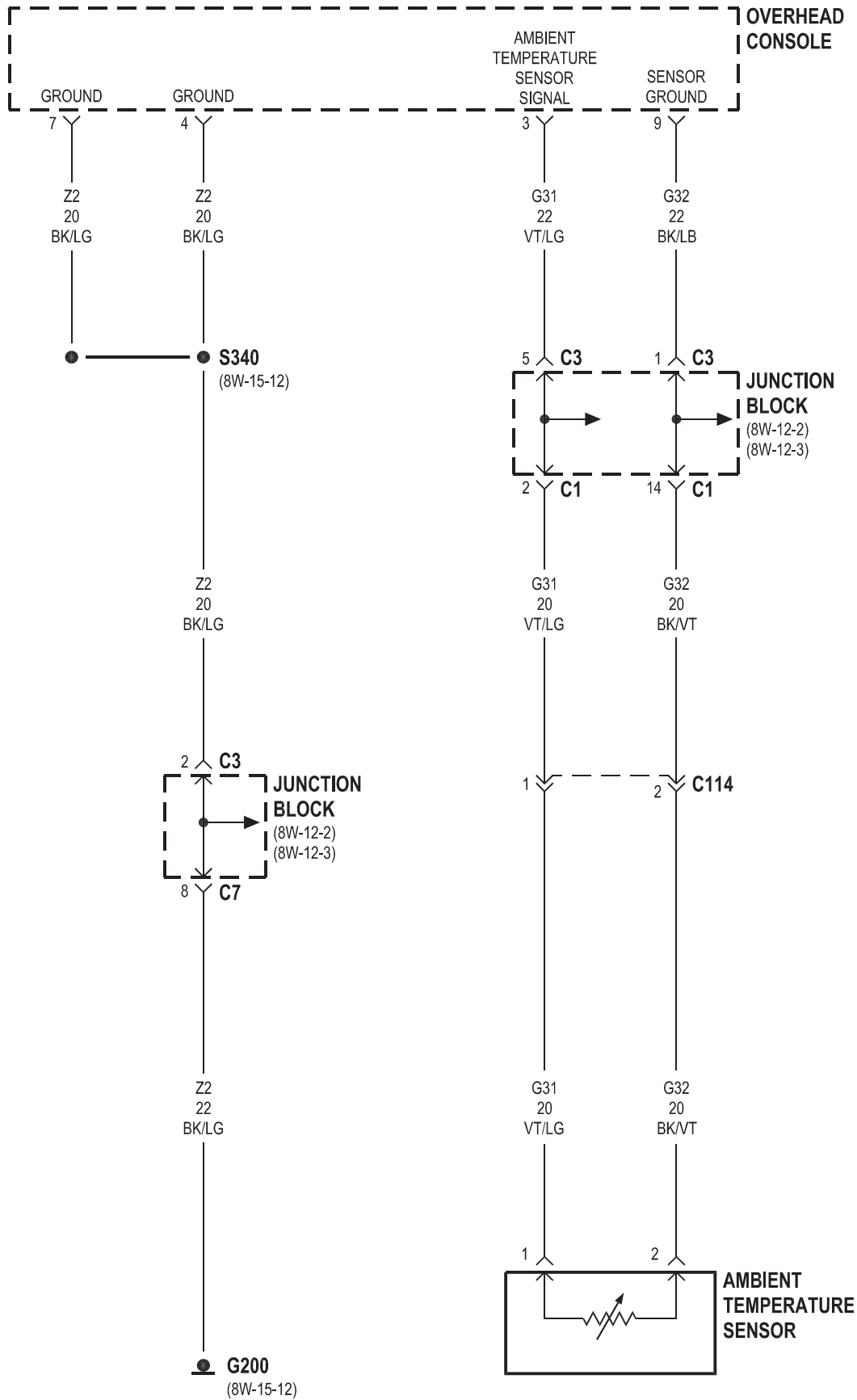


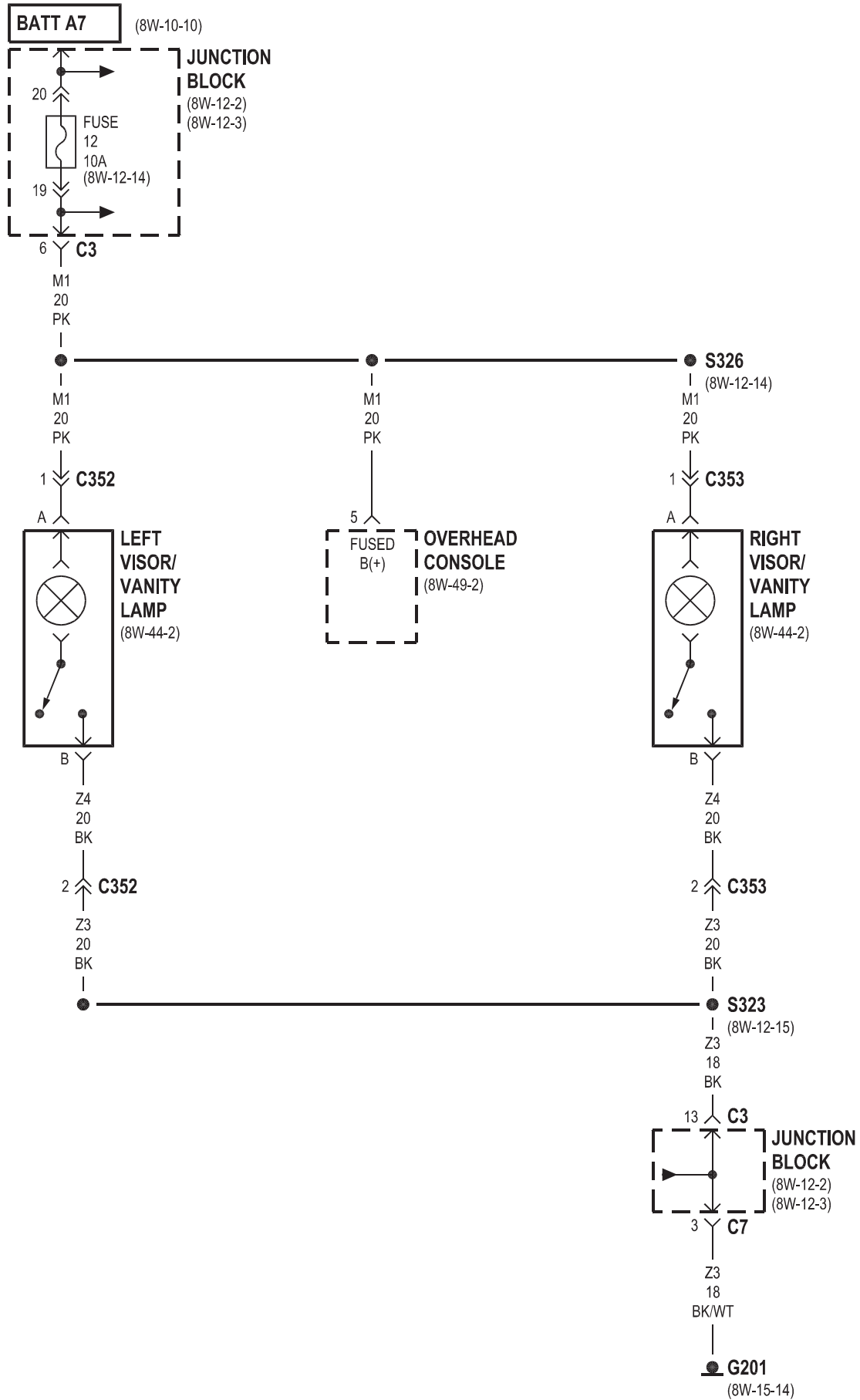
8W - 49 - 4

8W-49 OVERHEAD CONSOLE HIGHLINE

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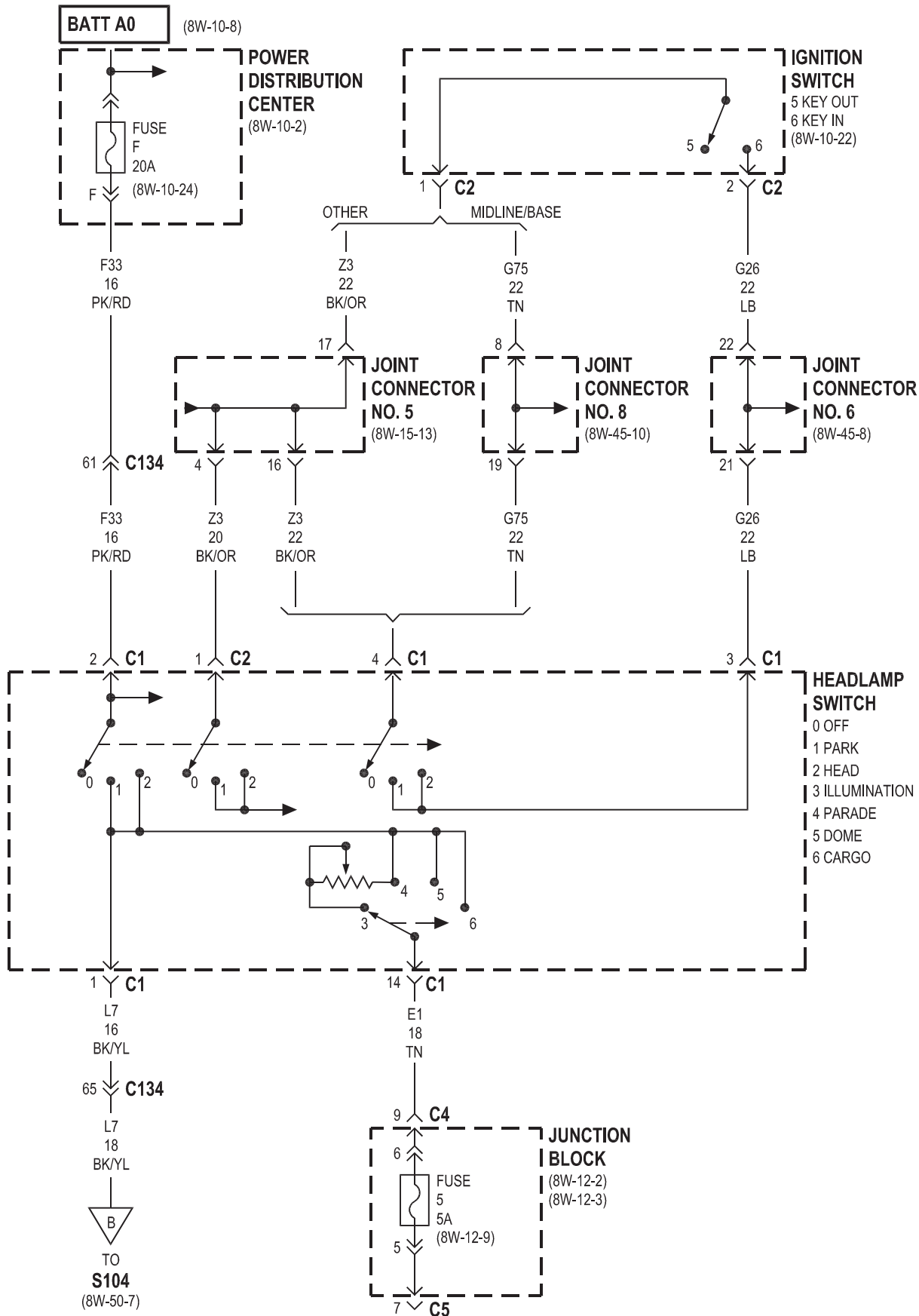


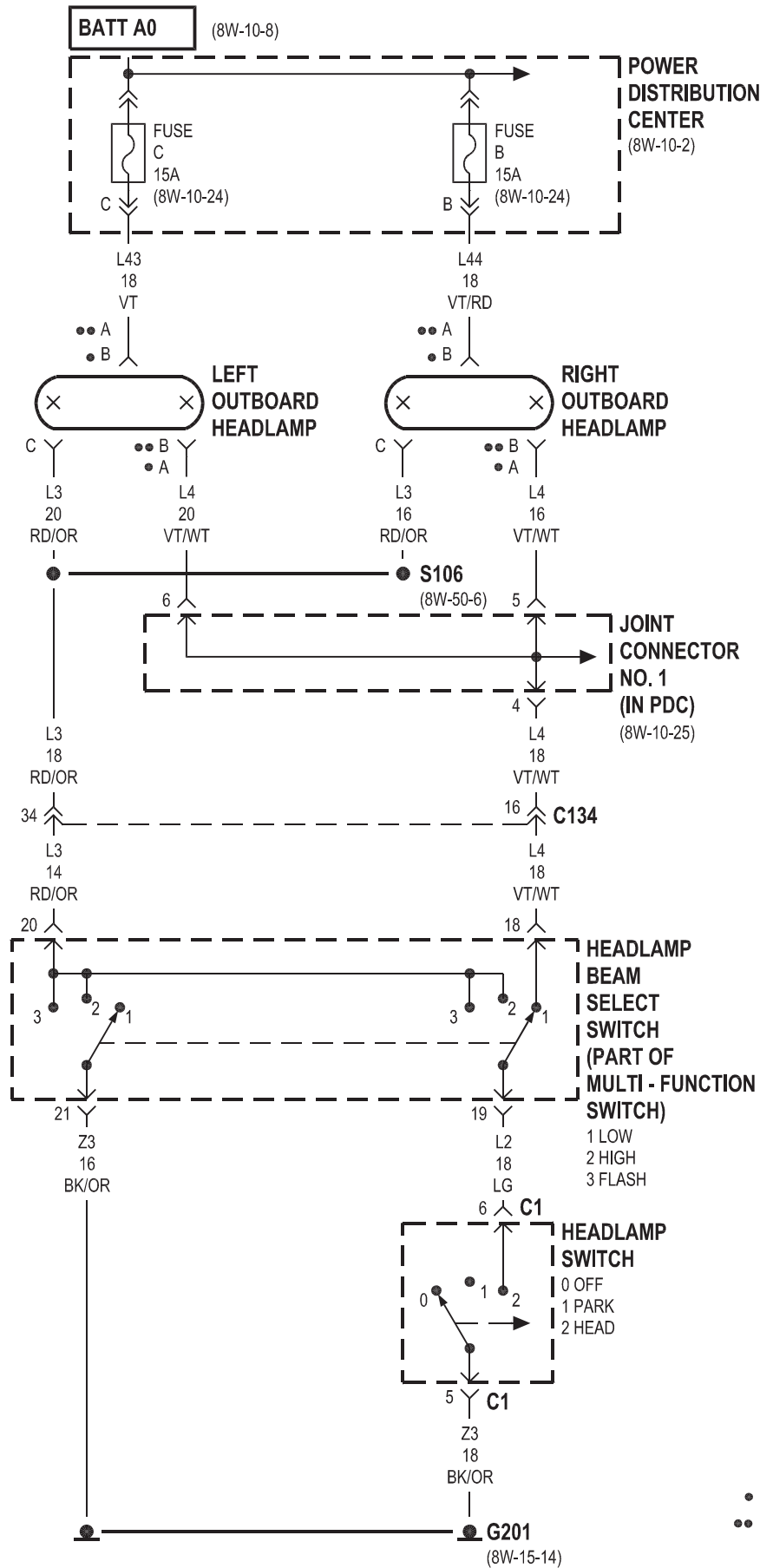


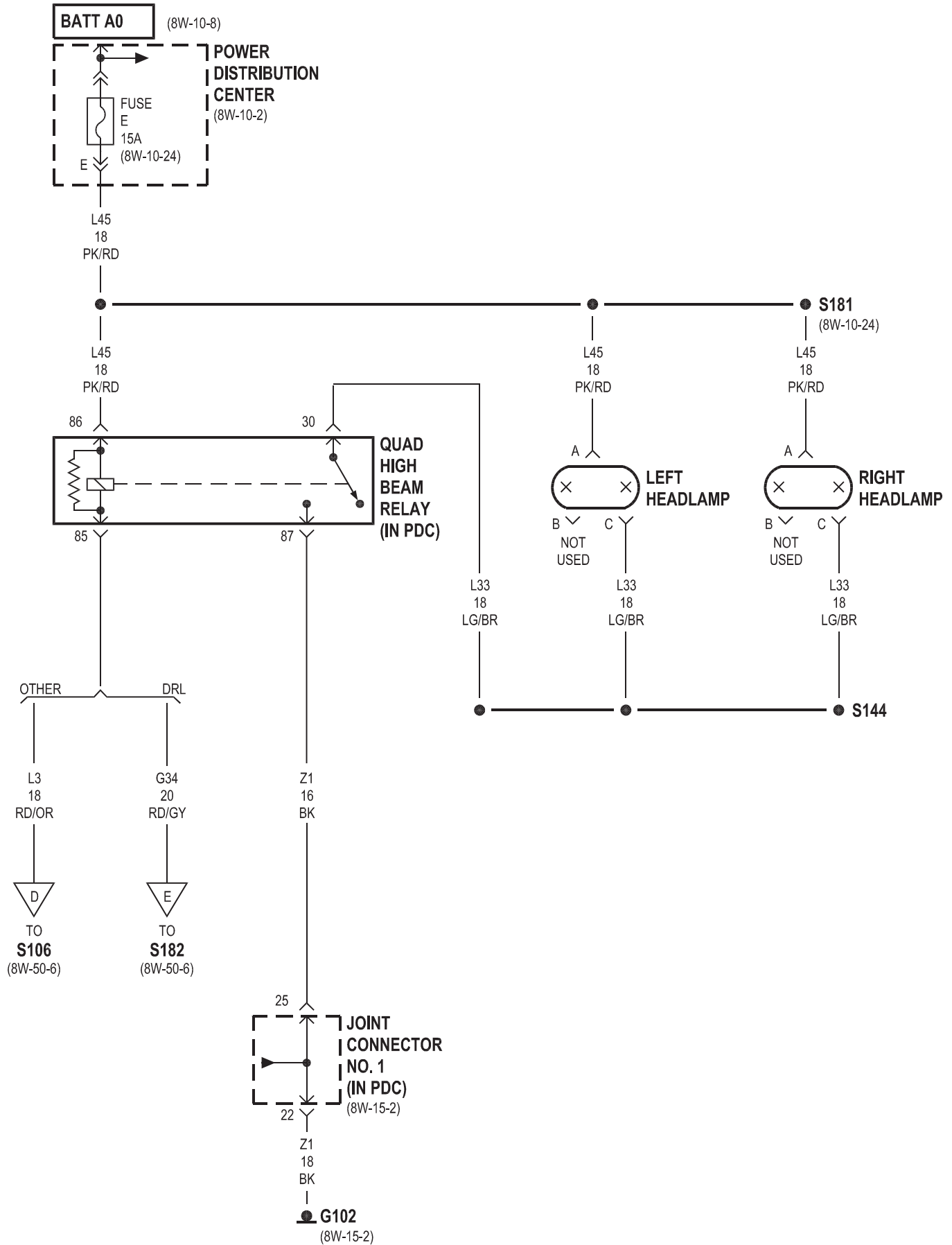
8W-50 FRONT LIGHTING

Component	Page	Component	Page
Cargo Lamp No. 1	8W-50-2	Joint Connector No. 1	8W-50-4, 5, 13
Cargo Lamp No. 2	8W-50-2	Joint Connector No. 5	8W-50-3, 10, 11
Center Identification Lamp	8W-50-8	Joint Connector No. 6	8W-50-2, 3
Central Timer Module	8W-50-2	Joint Connector No. 8	8W-50-2, 3
Daytime Running Lamp Module	8W-50-6, 9, 11, 12, 13	Junction Block	8W-50-2, 3, 6, 7, 8, 9, 12
Fog Lamp Relay	8W-50-6, 10, 11, 12	Left Fog Lamp	8W-50-10, 11
Fuse 5 (JB)	8W-50-3	Left Headlamp	8W-50-5
Fuse 7 (JB)	8W-50-12	Left Outboard Clearance Lamp	8W-50-8
Fuse 14 (JB)	8W-50-6, 9	Left Outboard Headlamp	8W-50-4, 6
Fuse B (PDC)	8W-50-4	Left Outboard Identification Lamp	8W-50-8
Fuse C (PDC)	8W-50-4	Left Park/Turn Signal Lamp	8W-50-7
Fuse E (PDC)	8W-50-5	Overhead Console	8W-50-2
Fuse F (PDC)	8W-50-3, 10, 11	Park Brake Switch	8W-50-12
Fuse G (PDC)	8W-50-10, 11, 12	Power Distribution Center	8W-50-3, 4, 5, 10, 11, 12
G100	8W-50-7, 12	Quad High Beam Relay	8W-50-5, 6, 13
G102	8W-50-5, 13	Right Fog Lamp	8W-50-10, 11
G201	8W-50-2, 4, 6, 9, 10, 11	Right Headlamp	8W-50-5
G302	8W-50-8	Right Outboard Clearance Lamp	8W-50-8
Headlamp Beam Select Switch	8W-50-4, 6, 9, 10, 13	Right Outboard Headlamp	8W-50-4, 6
Headlamp Switch	8W-50-2, 3, 4, 10, 11	Right Outboard Identification Lamp	8W-50-8
Ignition Switch	8W-50-3	Right Park/Turn Signal Lamp	8W-50-7
Instrument Cluster	8W-50-2, 6, 9, 13	Security Relay	8W-50-13
		Trailer Tow Relay	8W-50-7

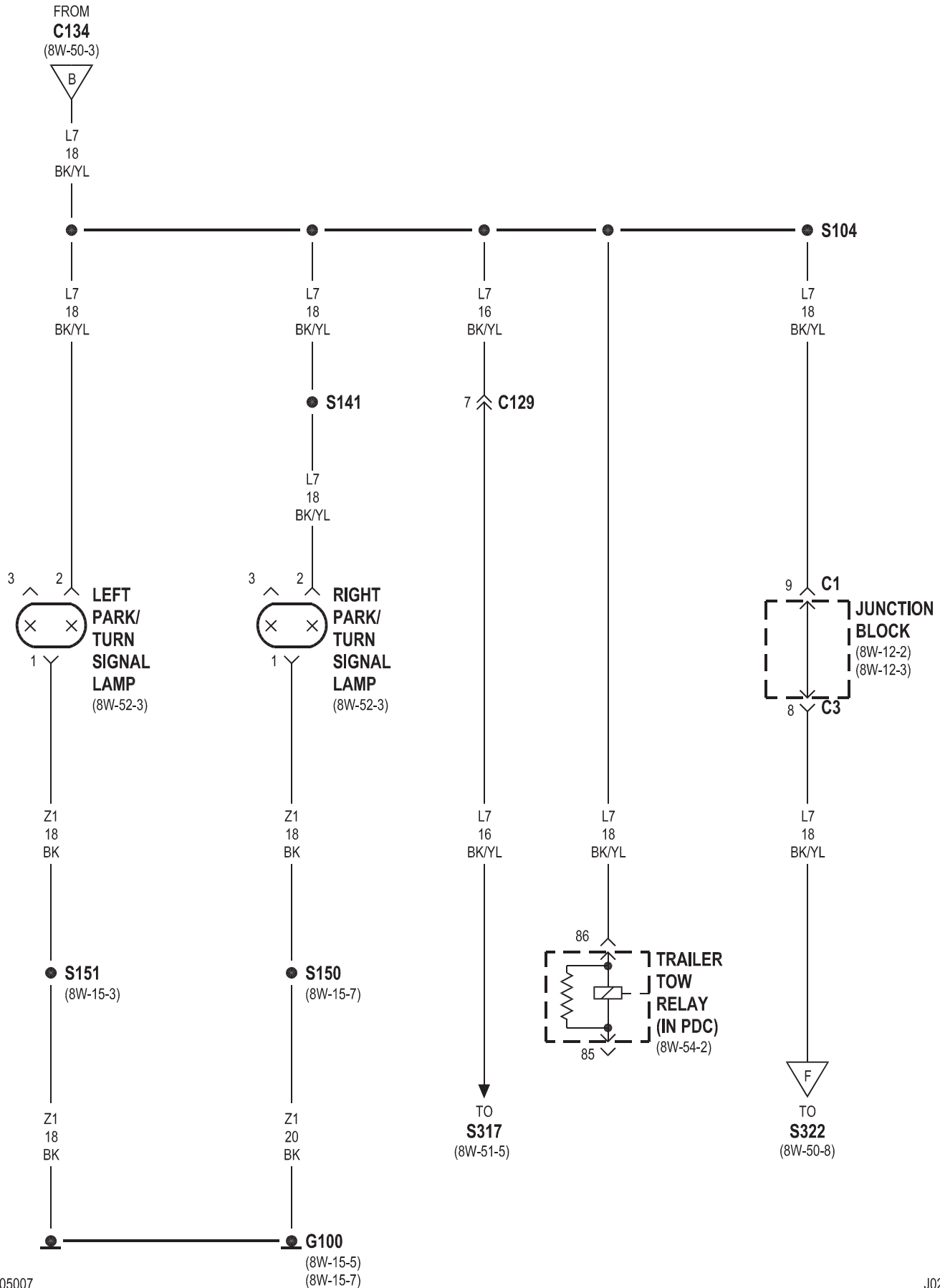


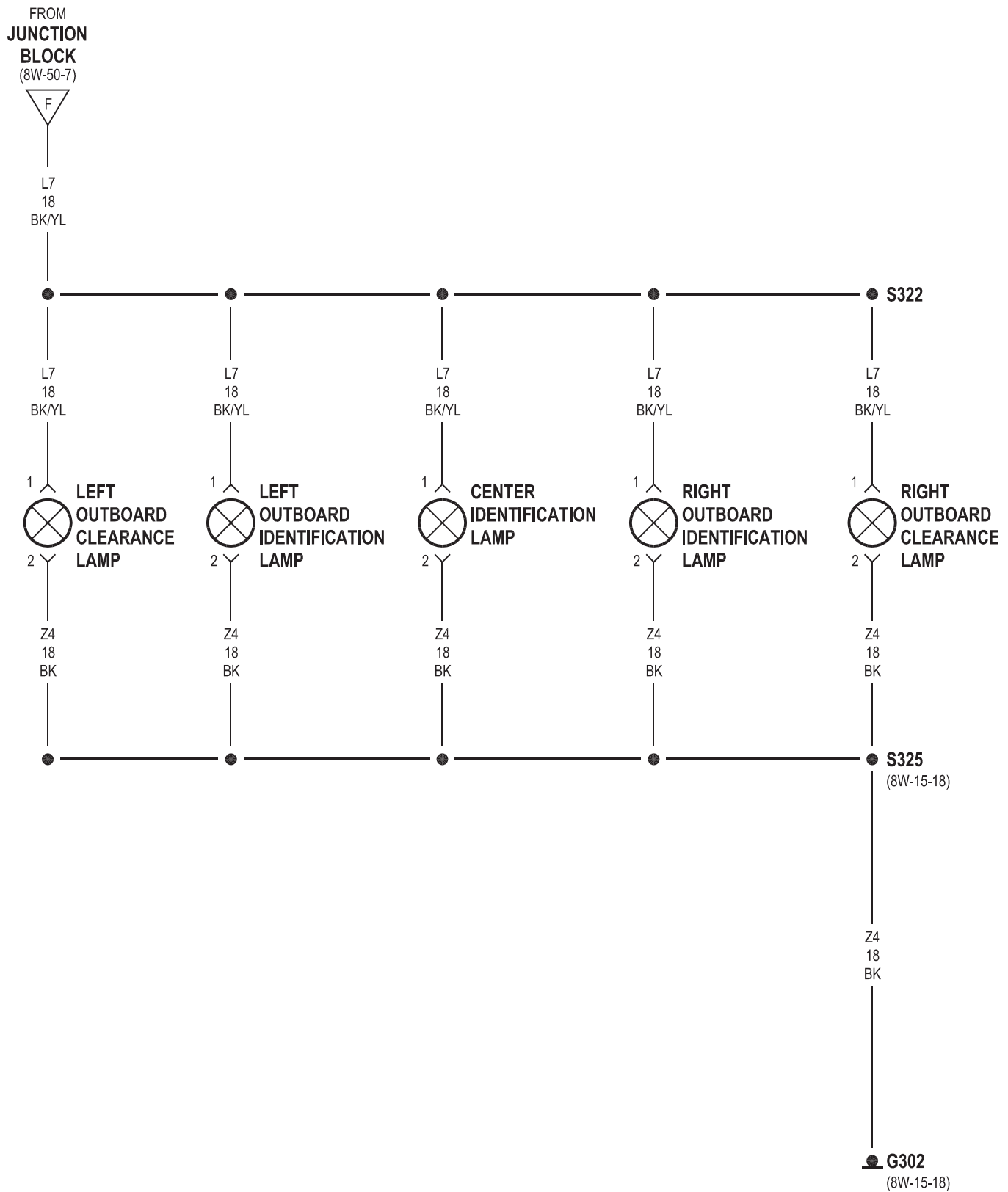


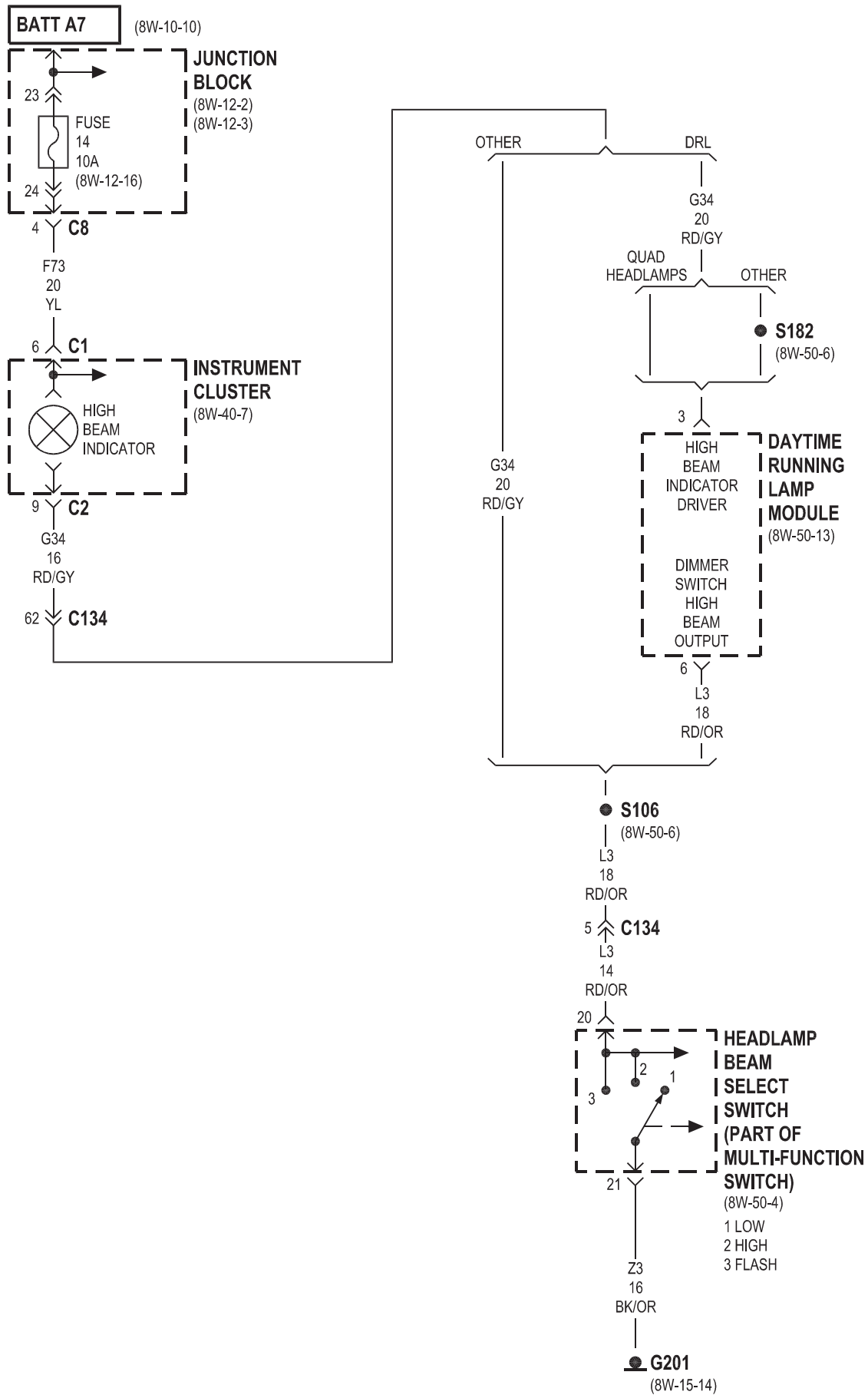


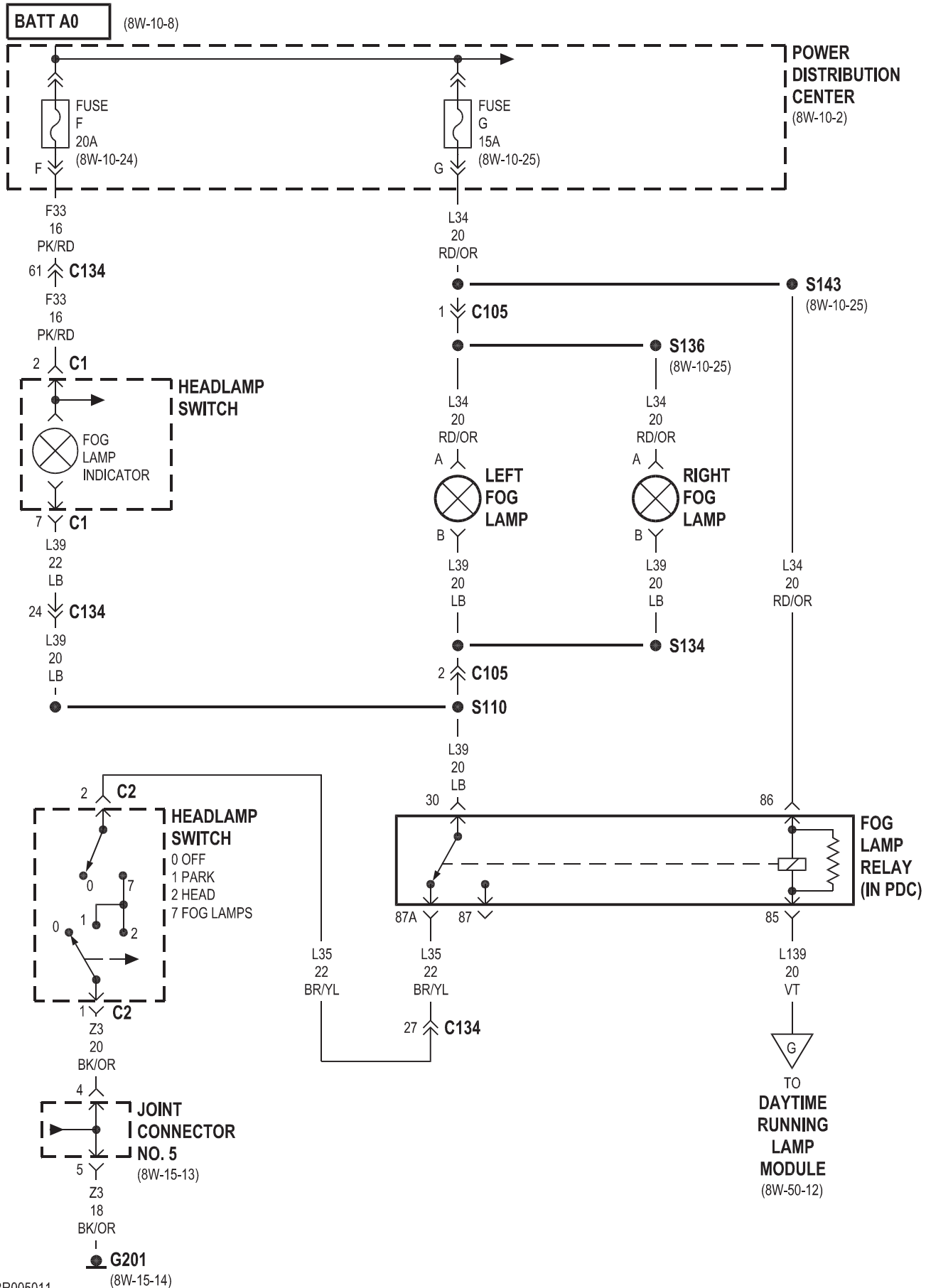








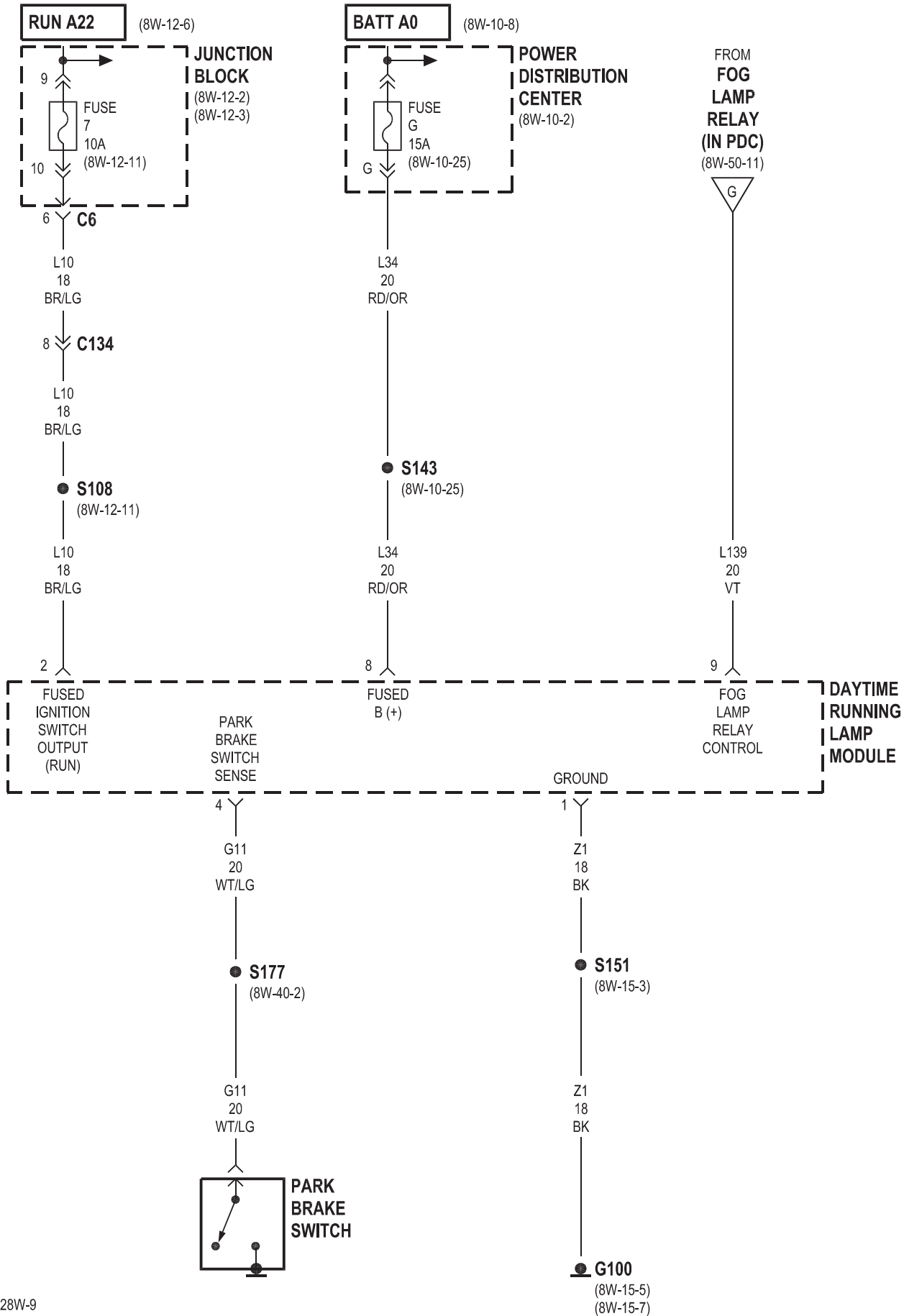


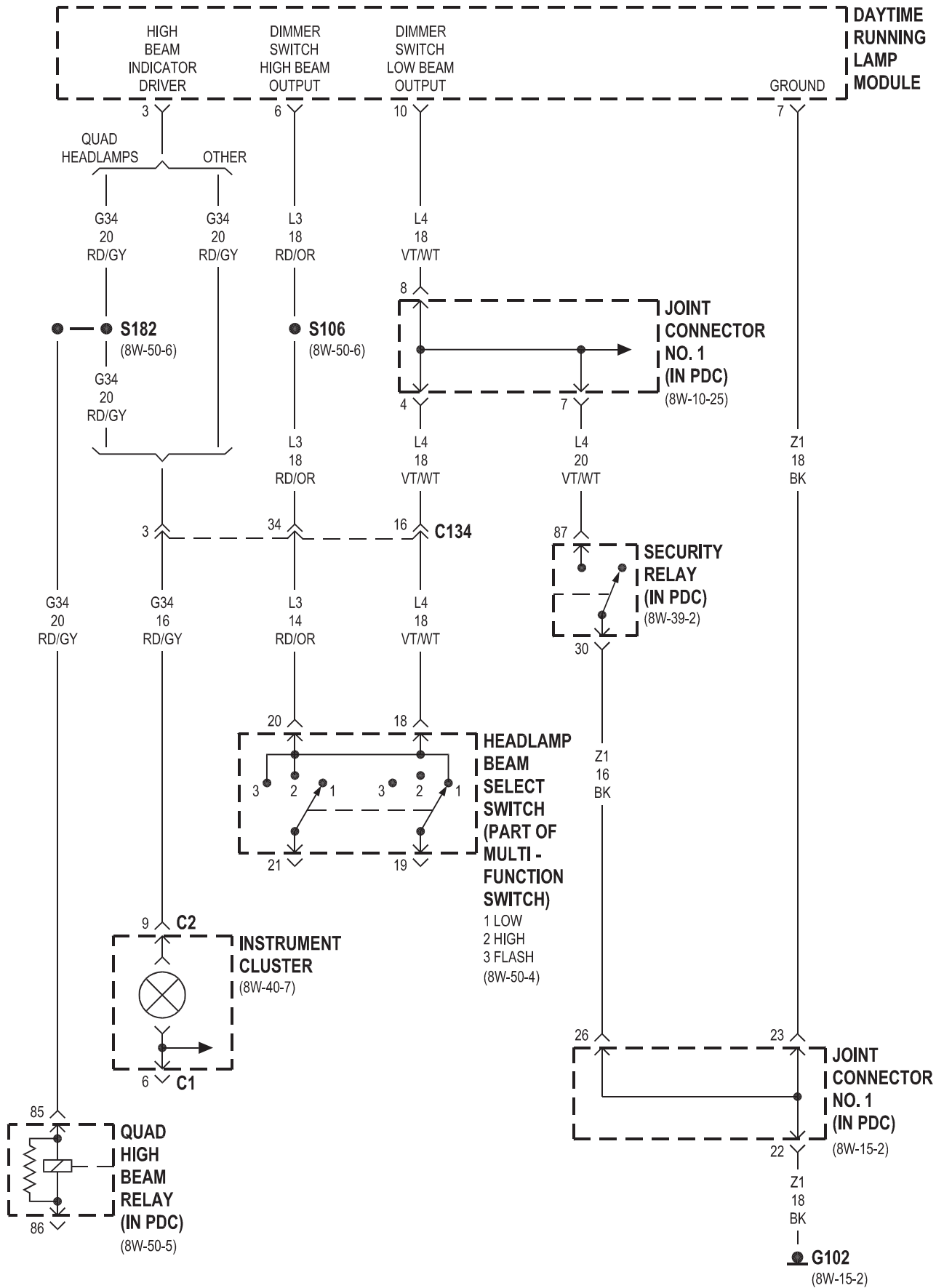


8W - 50 - 12

8W-50 FRONT LIGHTING DRL

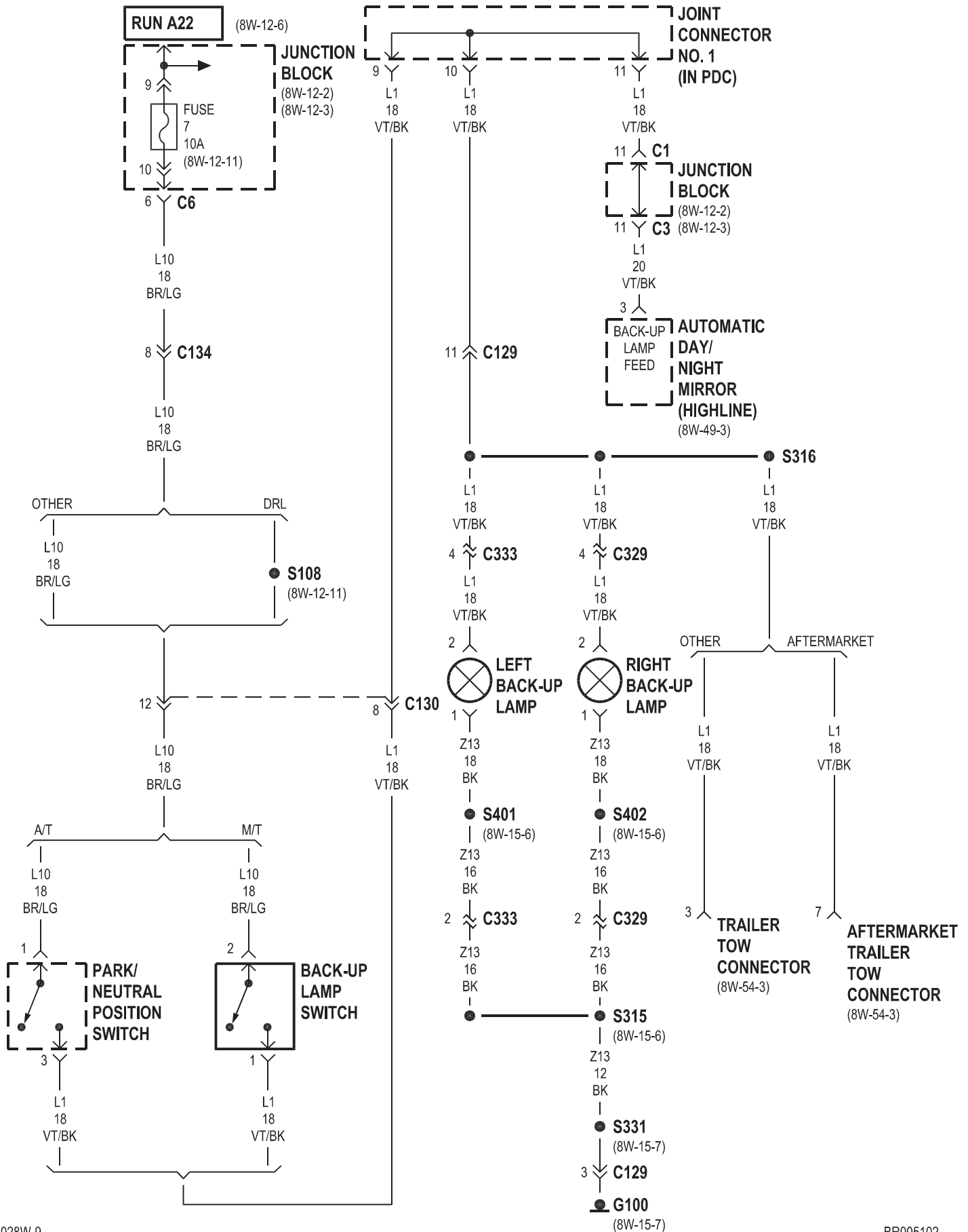
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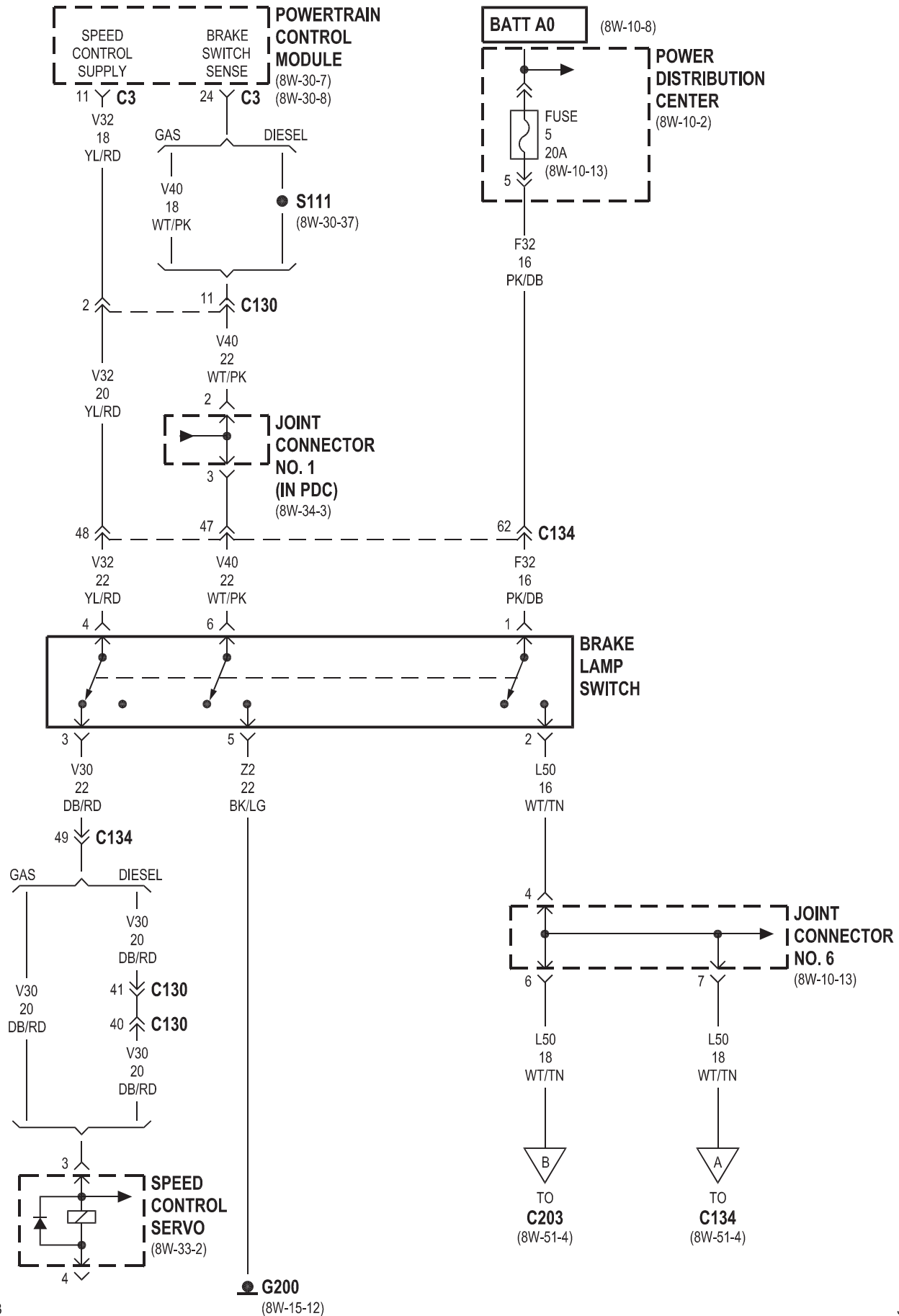




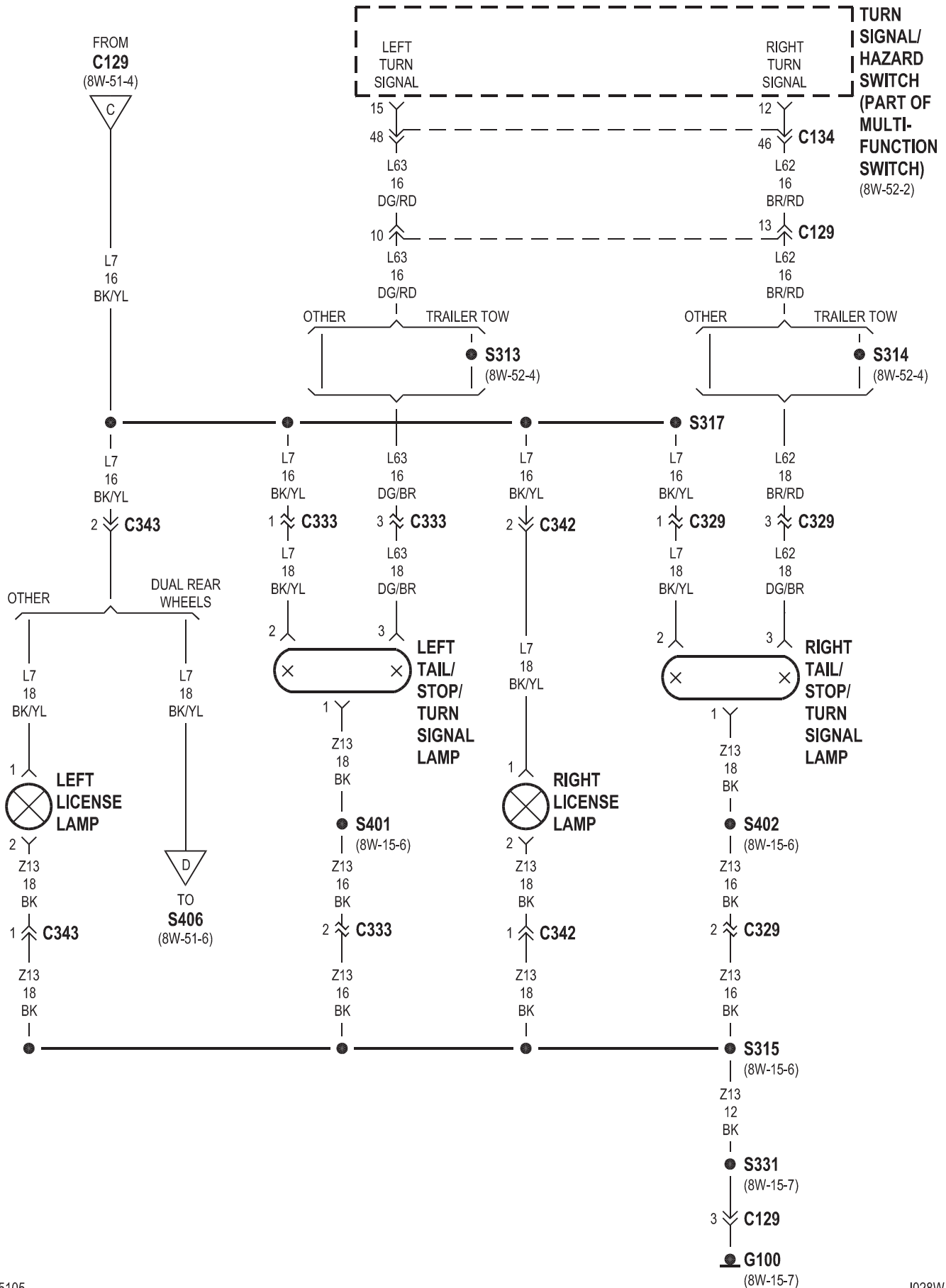
8W-51 REAR LIGHTING

Component	Page	Component	Page
Aftermarket Center High Mounted Stop Lamp	8W-51-4	Left Back-Up Lamp	8W-51-2
Aftermarket Trailer Tow Connector	8W-51-2	Left Front Fender Lamp	8W-51-6
Automatic Day/Night Mirror	8W-51-2	Left License Lamp	8W-51-5, 6
Back-Up Lamp Switch	8W-51-2	Left Rear Fender Lamp	8W-51-6
Brake Lamp Switch	8W-51-3	Left Tail/Stop/Turn Signal Lamp	8W-51-5
Center High Mounted Stop Lamp No. 1 . . .	8W-51-4	Park/Neutral Position Switch	8W-51-2
Center High Mounted Stop Lamp No. 2 . . .	8W-51-4	Power Distribution Center	8W-51-3, 4
Electric Brake Provision	8W-51-4	Powertrain Control Module	8W-51-3
Fuse 5 (PDC)	8W-51-3	Right Back-Up Lamp	8W-51-2
Fuse 7 (JB)	8W-51-2	Right Front Fender Lamp	8W-51-6
Fuse F (PDC)	8W-51-4	Right License Lamp	8W-51-5
G100	8W-51-2, 5, 6	Right Rear Fender Lamp	8W-51-6
G200	8W-51-3	Right Tail/Stop/Turn Signal Lamp	8W-51-5
Headlamp Switch	8W-51-4	Speed Control Servo	8W-51-3
Joint Connector No. 1	8W-51-2, 3	Tailgate Lamp	8W-51-6
Joint Connector No. 6	8W-51-3, 4	Trailer Tow Connector	8W-51-2
Junction Block	8W-51-2	Turn Signal/Hazard Switch	8W-51-5





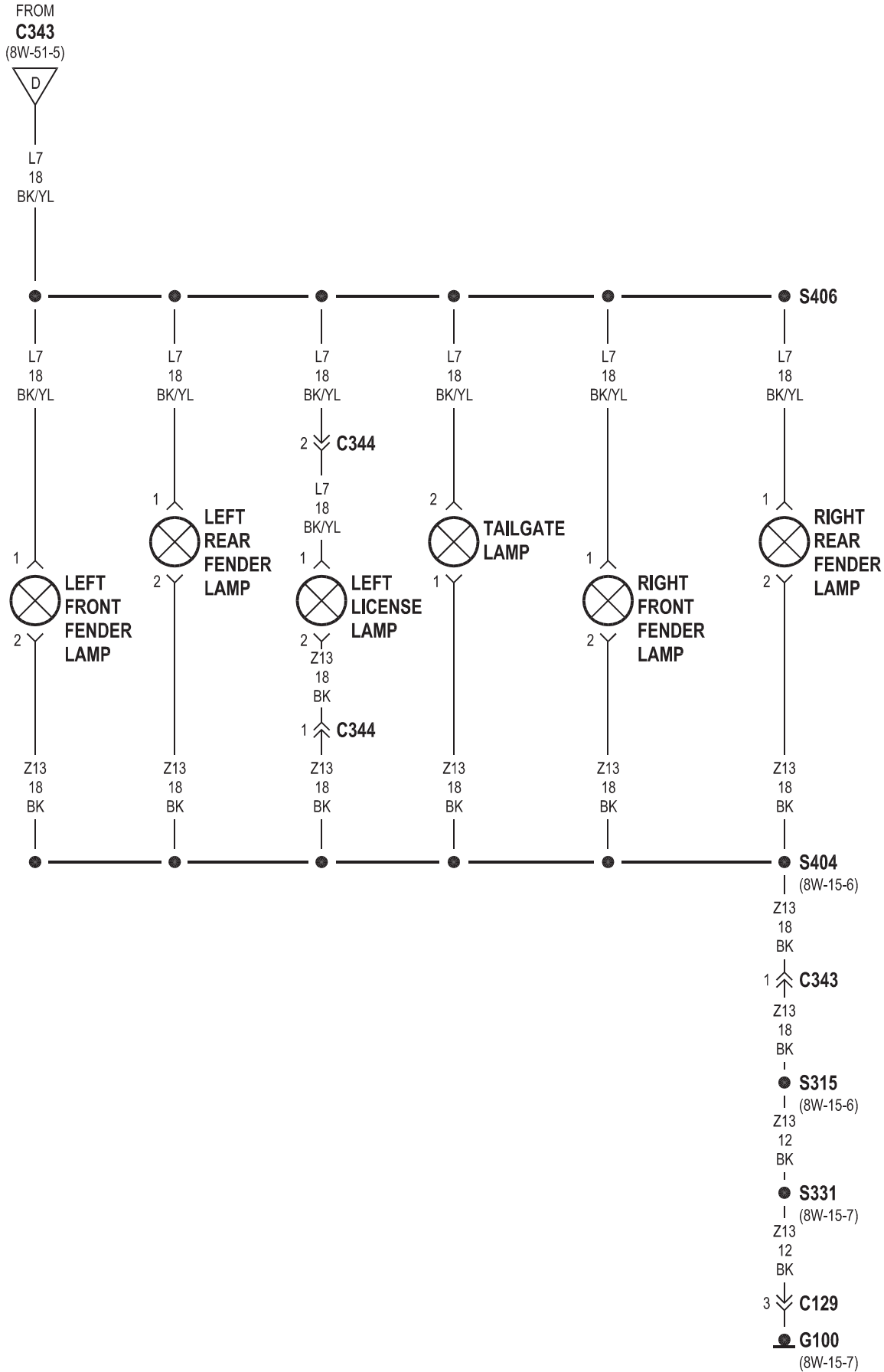




8W - 51 - 6

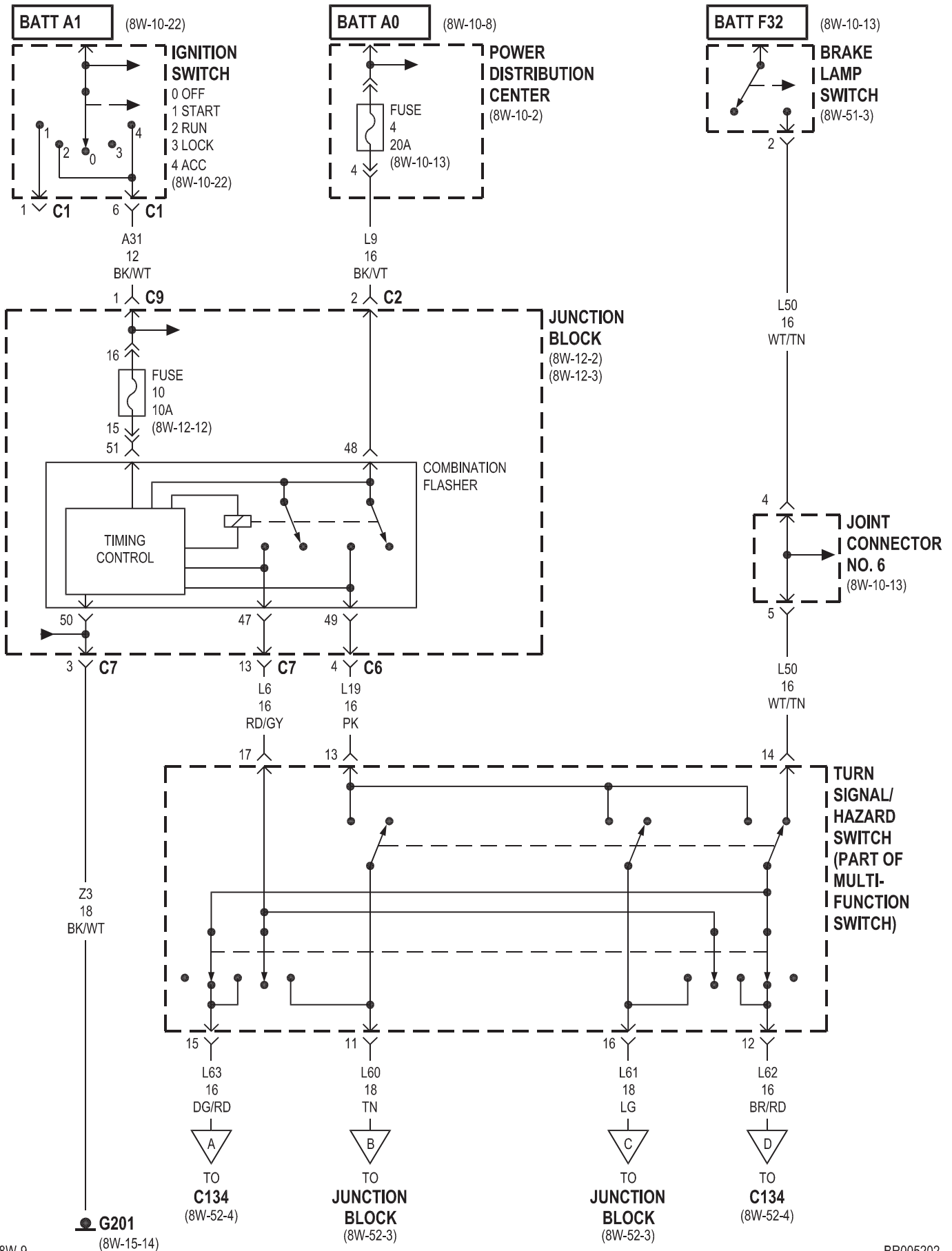
8W-51 REAR LIGHTING DUAL REAR WHEELS

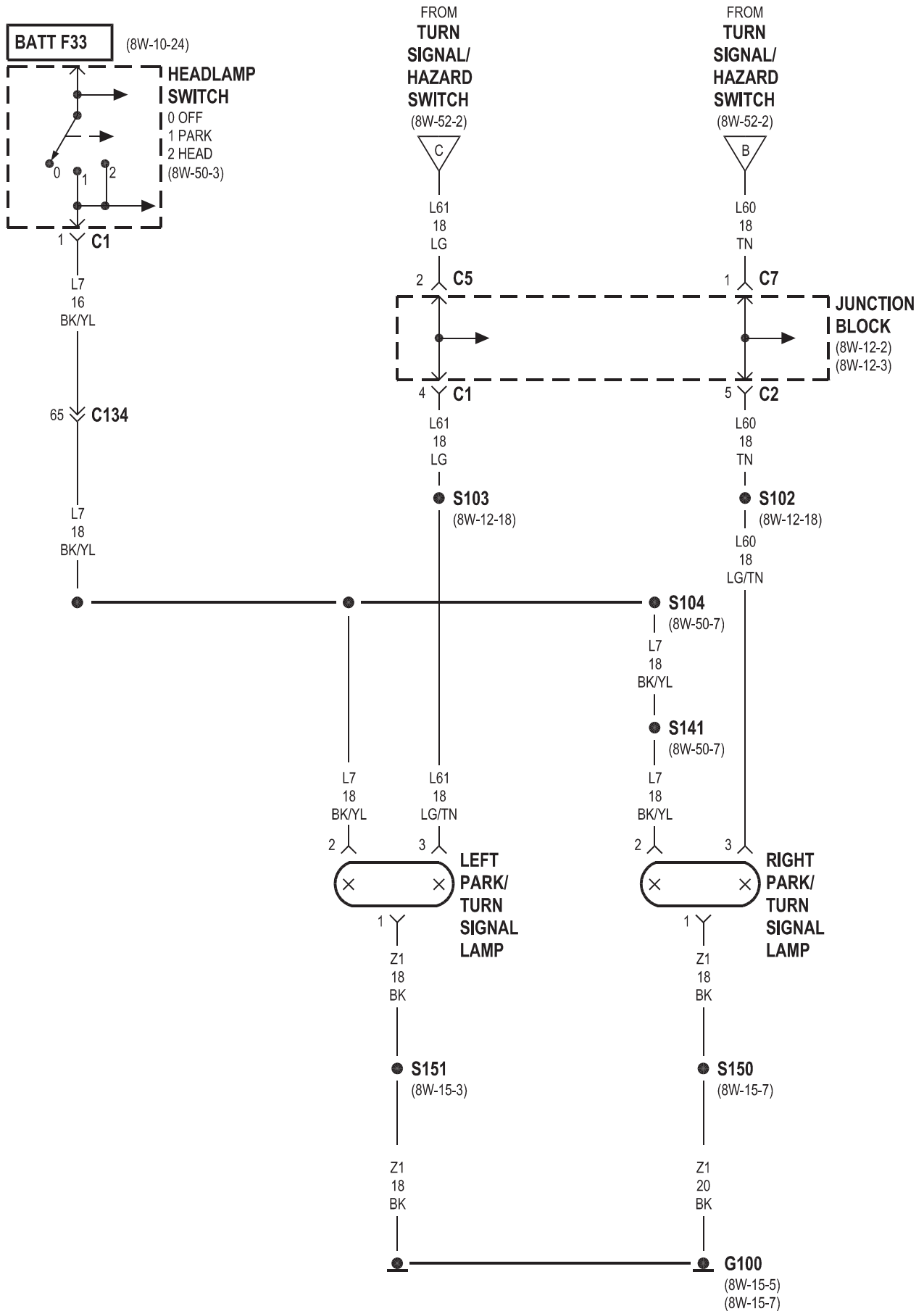
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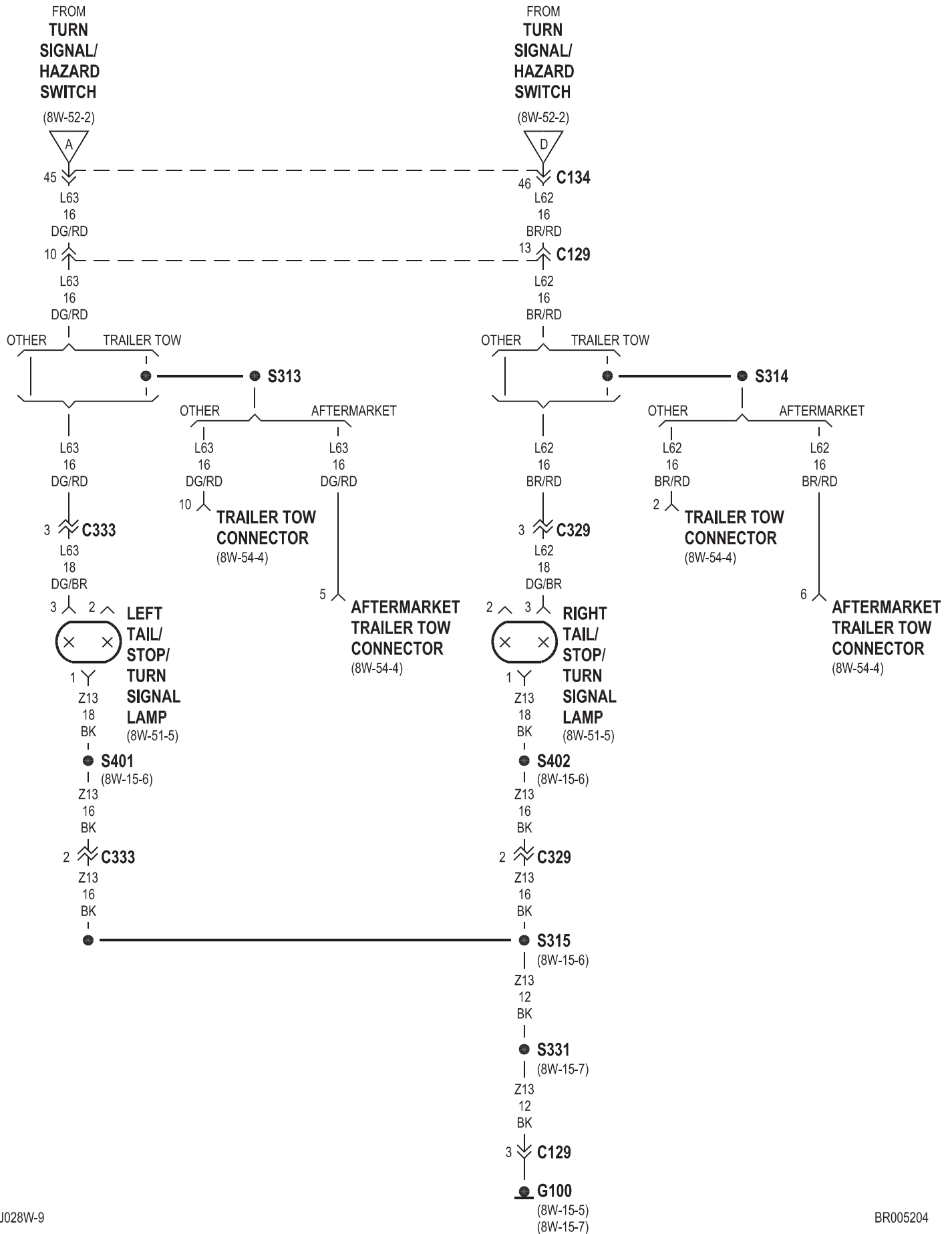


8W-52 TURN SIGNALS

Component	Page	Component	Page
Aftermarket Trailer Tow Connector	8W-52-4	Joint Connector No. 6	8W-52-2
Brake Lamp Switch	8W-52-2	Junction Block	8W-52-2, 3
Combination Flasher	8W-52-2	Left Park/Turn Signal Lamp	8W-52-3
Fuse 4 (PDC)	8W-52-2	Left Tail/Stop/Turn Signal Lamp	8W-52-4
Fuse 10 (JB)	8W-52-2	Power Distribution Center	8W-52-2
G100	8W-52-3, 4	Right Park/Turn Signal Lamp	8W-52-3
G201	8W-52-2	Right Tail/Stop/Turn Signal Lamp	8W-52-4
Headlamp Switch	8W-52-3	Trailer Tow Connector	8W-52-4
Ignition Switch	8W-52-2	Turn Signal/Hazard Switch	8W-52-2, 3, 4



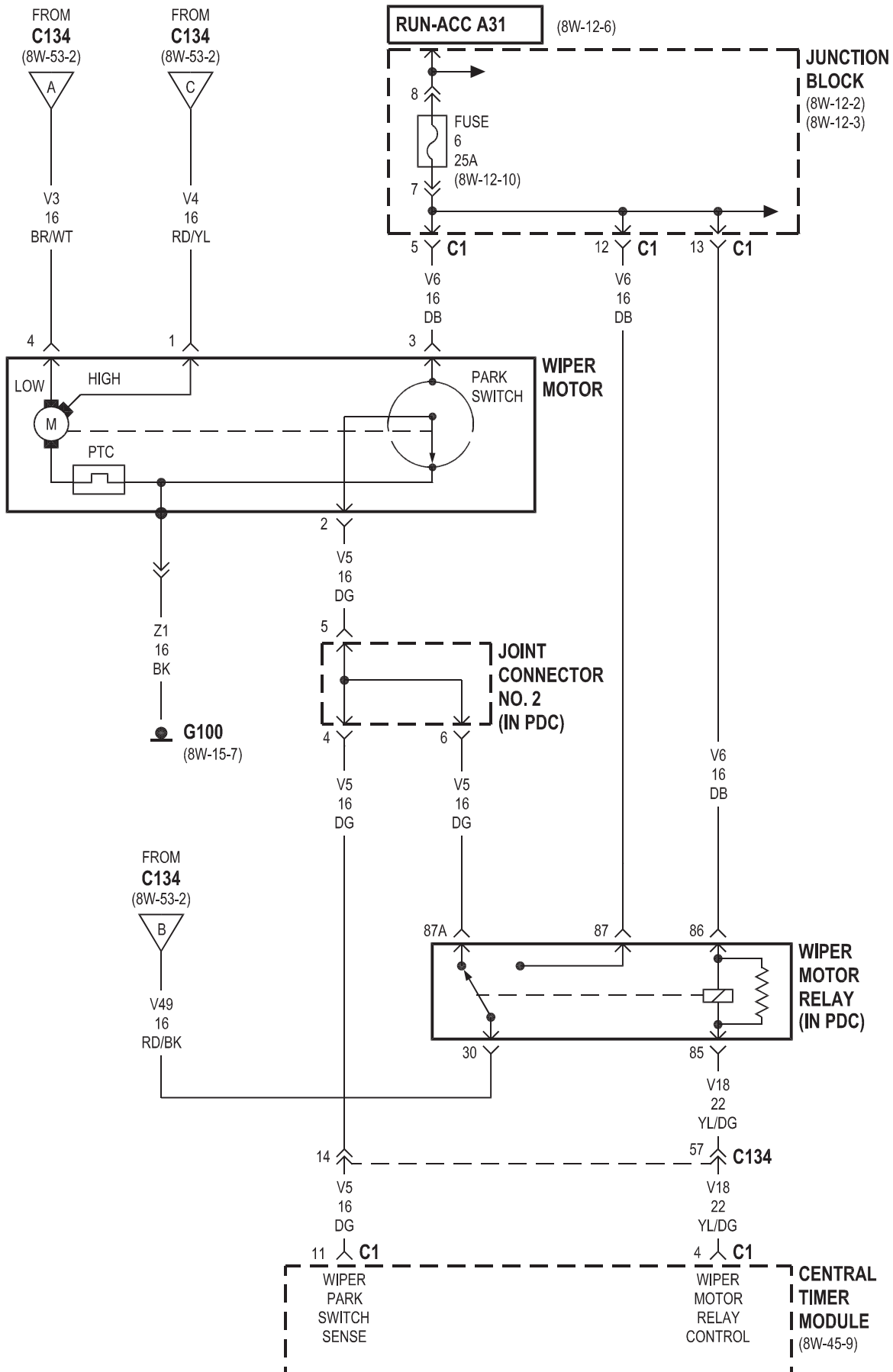




8W-53 WIPERS

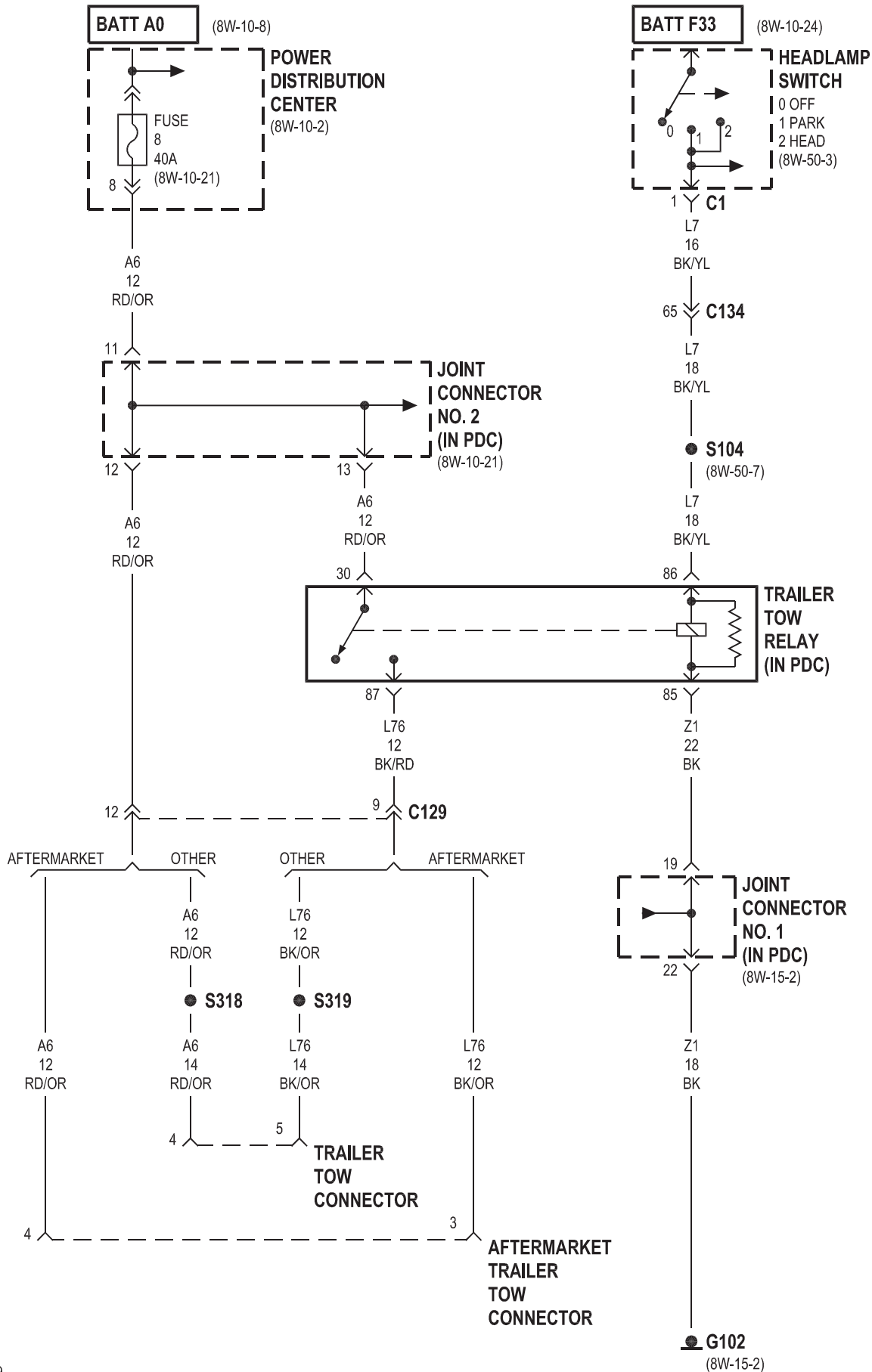
Component	Page	Component	Page
Central Timer Module	8W-53-2, 3	Joint Connector No. 6	8W-53-2
Fuse 6 (JB)	8W-53-3	Junction Block	8W-53-3
G100	8W-53-2, 3	Windshield Washer Pump	8W-53-2
Intermittent Wiper Switch	8W-53-2	Wiper Motor	8W-53-2, 3
Joint Connector No. 2	8W-53-3	Wiper Motor Relay	8W-53-2, 3

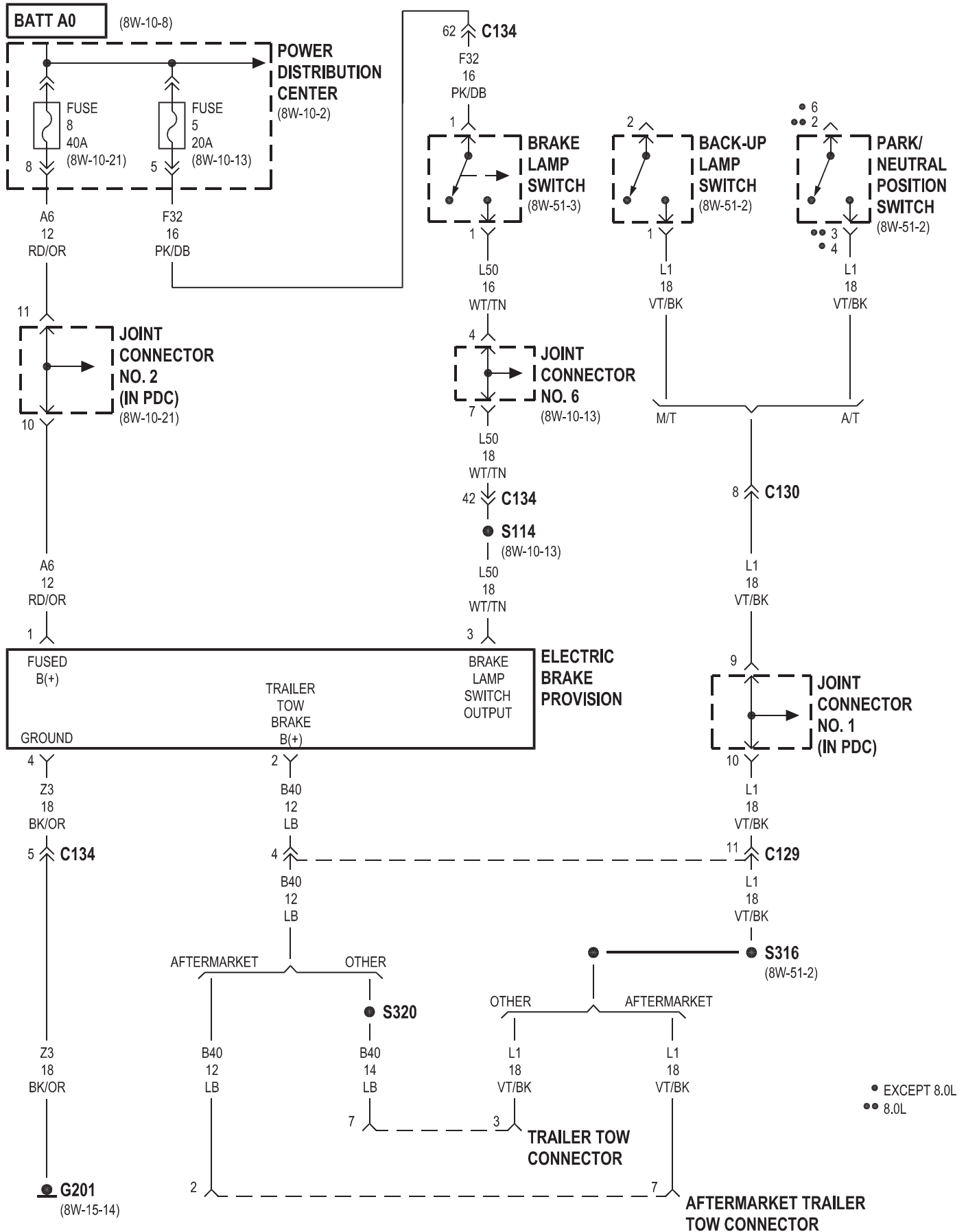




8W-54 TRAILER TOW

Component	Page	Component	Page
Aftermarket Trailer Tow Connector . .	8W-54-2, 3, 4	Headlamp Switch	8W-54-2
Back-Up Lamp Switch	8W-54-3	Joint Connector No. 1	8W-54-2, 3
Brake Lamp Switch	8W-54-3	Joint Connector No. 2	8W-54-2, 3
Electric Brake Provision	8W-54-3	Joint Connector No. 6	8W-54-3
Fuse 5 (PDC)	8W-54-3	Park/Neutral Position Switch	8W-54-3
Fuse 8 (PDC)	8W-54-2, 3	Power Distribution Center	8W-54-2, 3
G100	8W-54-4	Trailer Tow Connector	8W-54-2, 3, 4
G102	8W-54-2	Trailer Tow Relay	8W-54-2
G201	8W-54-3	Turn Signal/Hazard Switch	8W-54-4

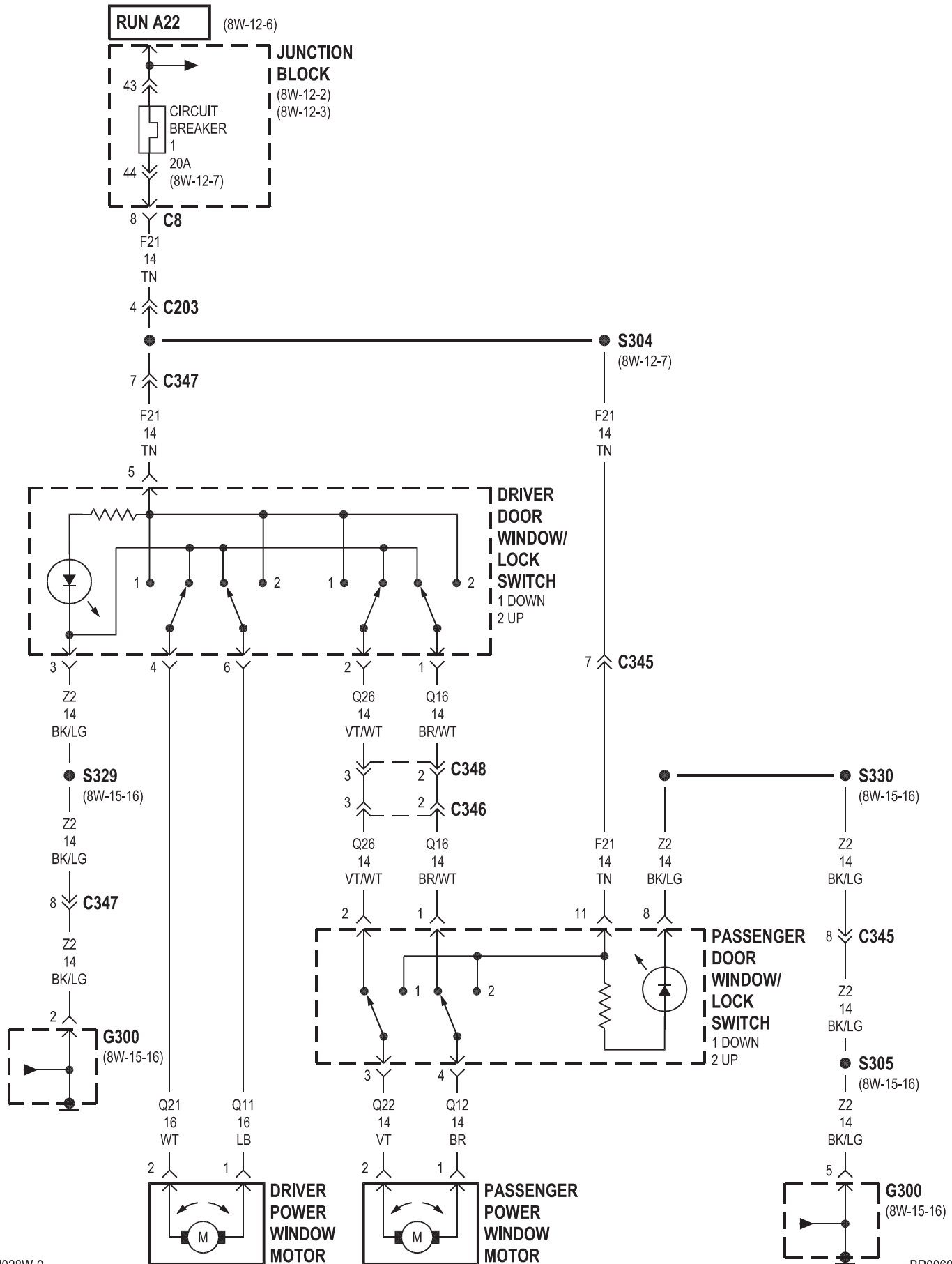






8W-60 POWER WINDOWS

Component	Page	Component	Page
Circuit Breaker 1	8W-60-2	Junction Block	8W-60-2
Driver Door Window/Lock Switch	8W-60-2	Passenger Door Window/Lock Switch	8W-60-2
Driver Power Window Motor	8W-60-2	Passenger Power Window Motor	8W-60-2
G300	8W-60-2		



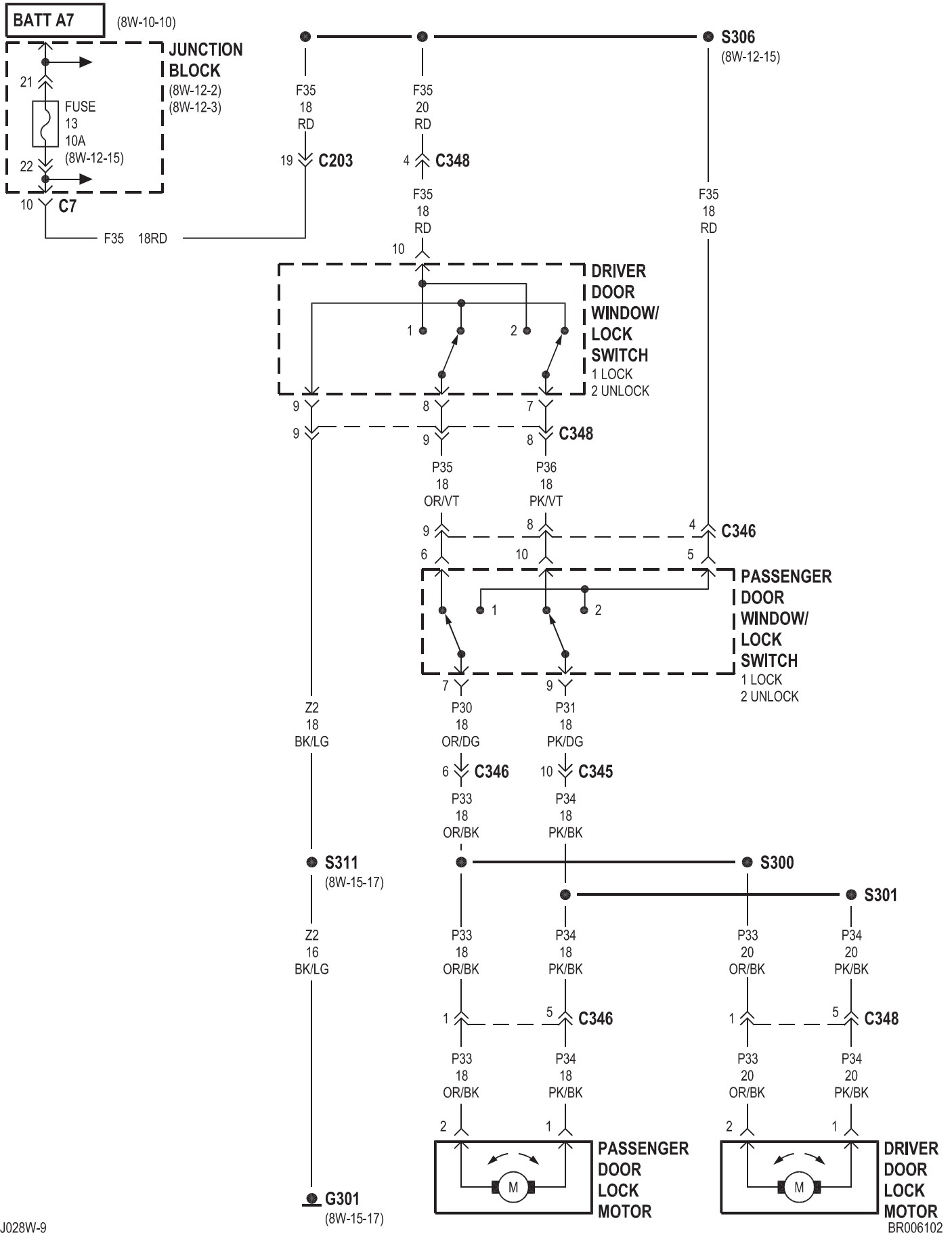
8W-61 POWER DOOR LOCKS

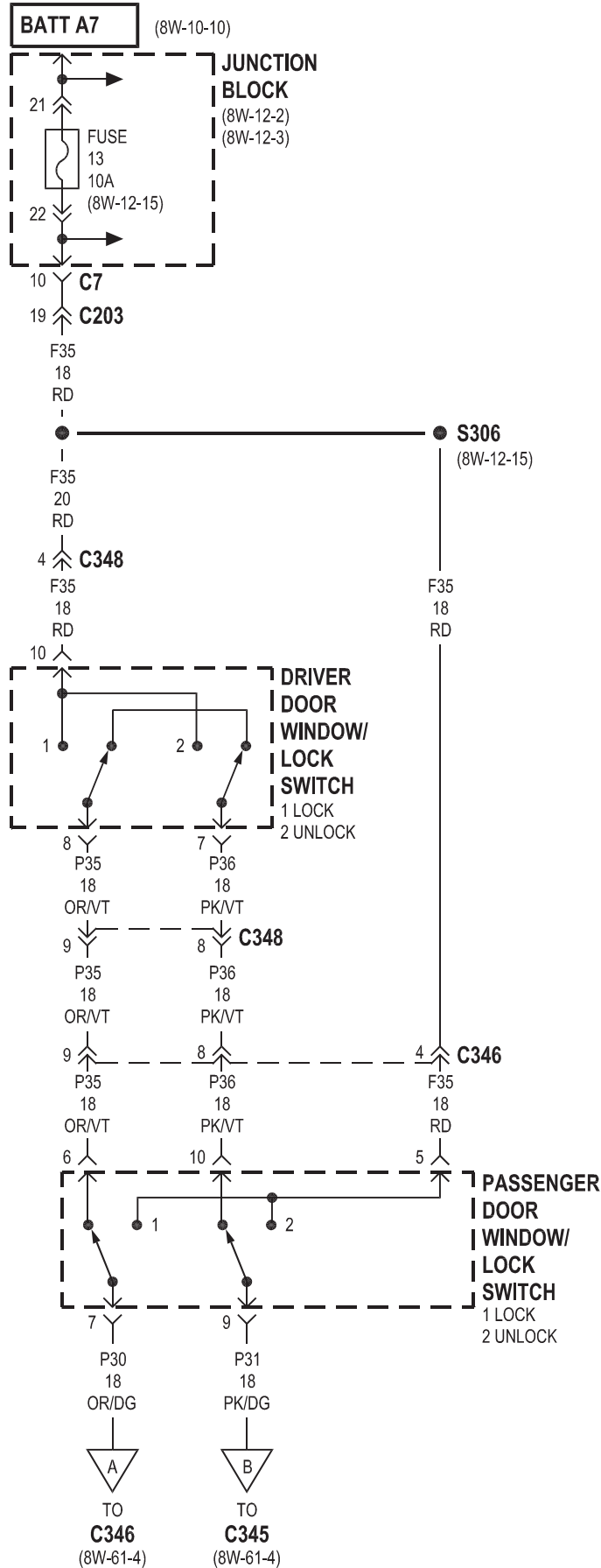
Component	Page	Component	Page
Central Timer Module	8W-61-4	Junction Block	8W-61-2, 3
Driver Door Lock Motor	8W-61-2, 4	Passenger Door Lock Motor	8W-61-2, 4
Driver Door Window/Lock Switch	8W-61-2, 3	Passenger Door Window/Lock	
Fuse 13 (JB)	8W-61-2, 3	Switch	8W-61-2, 3, 4
G301	8W-61-2		

8W - 61 - 2

8W-61 POWER DOOR LOCKS BASE

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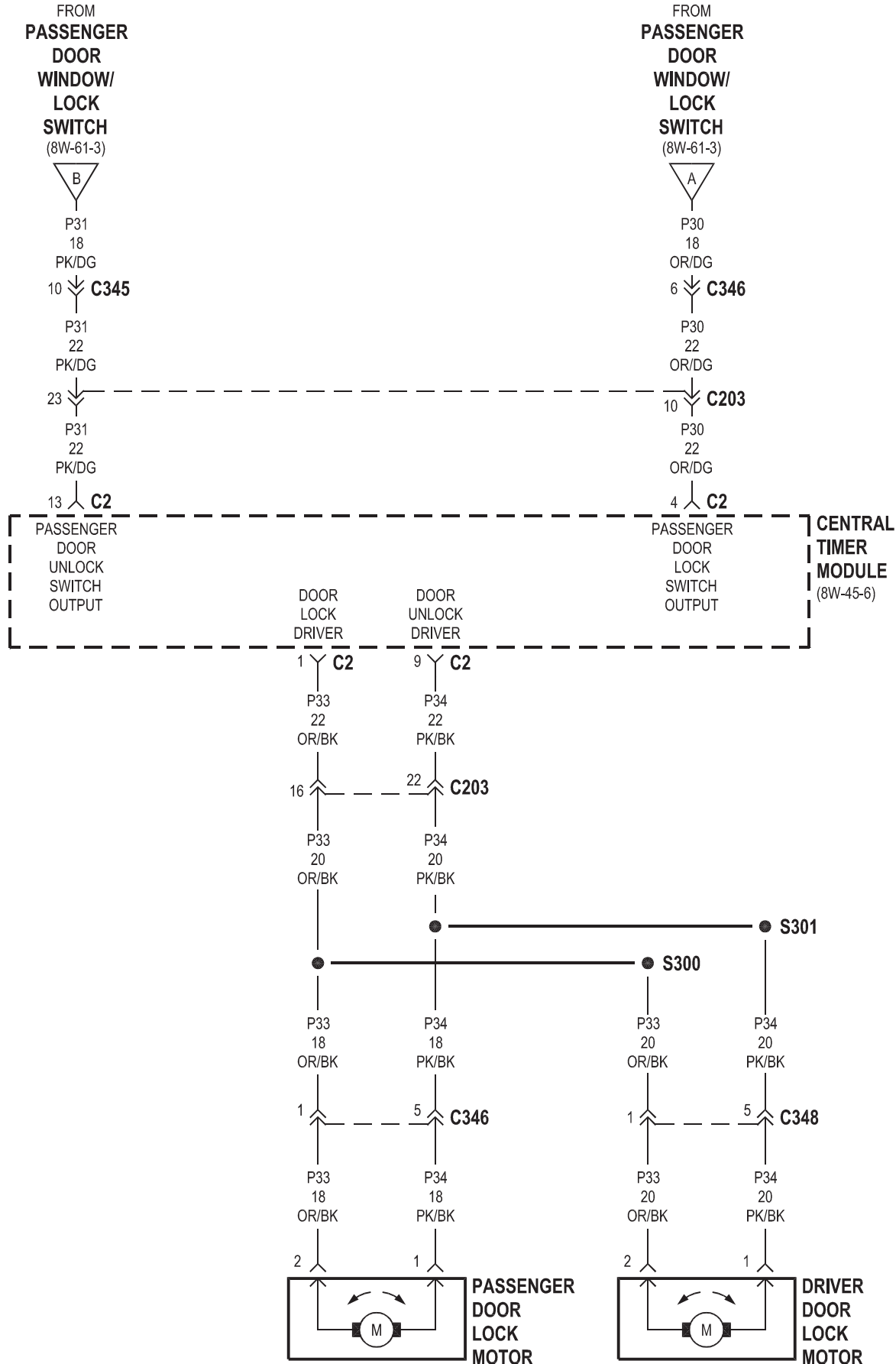




8W - 61 - 4

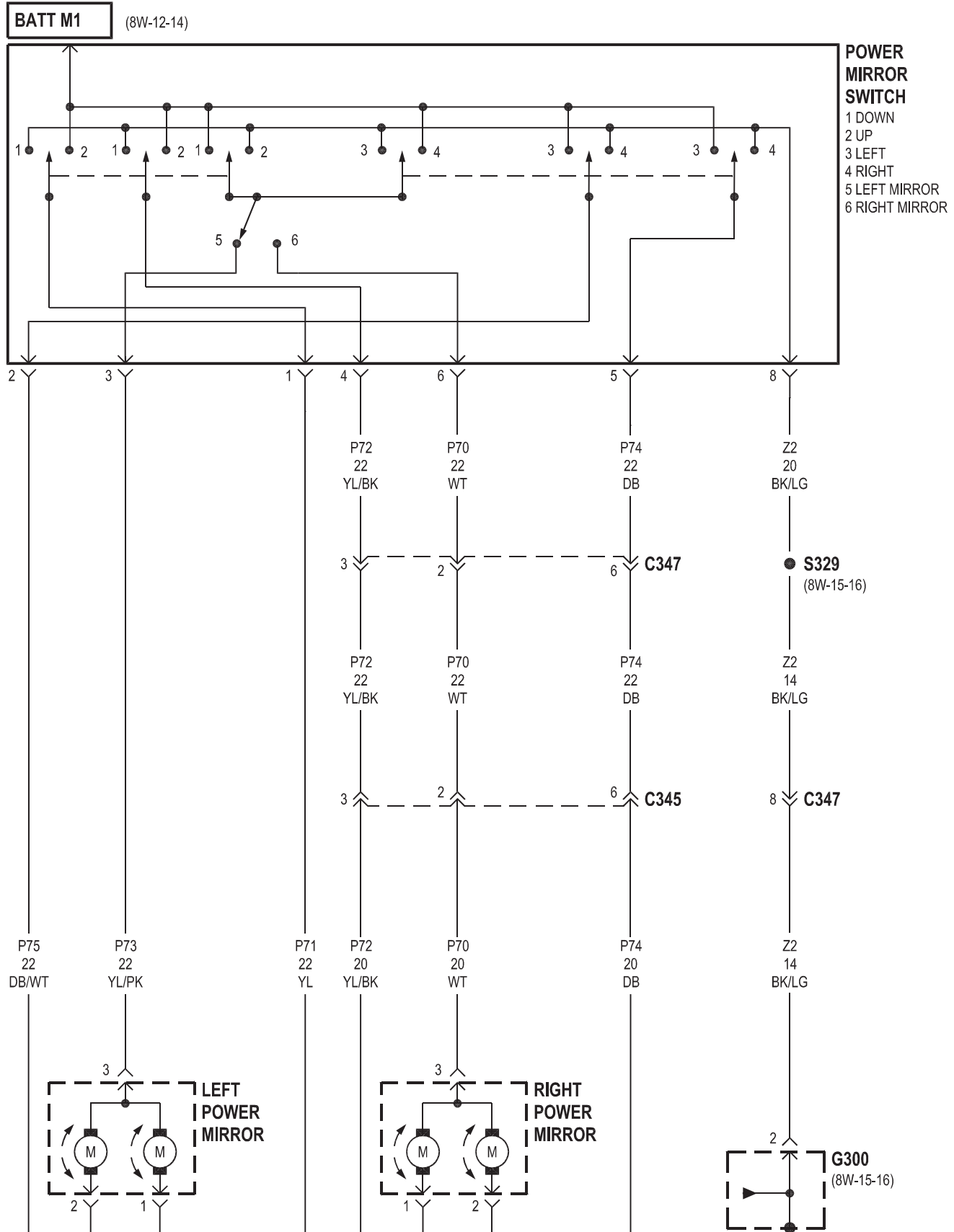
8W-61 POWER DOOR LOCKS HIGHLINE/PREMIUM

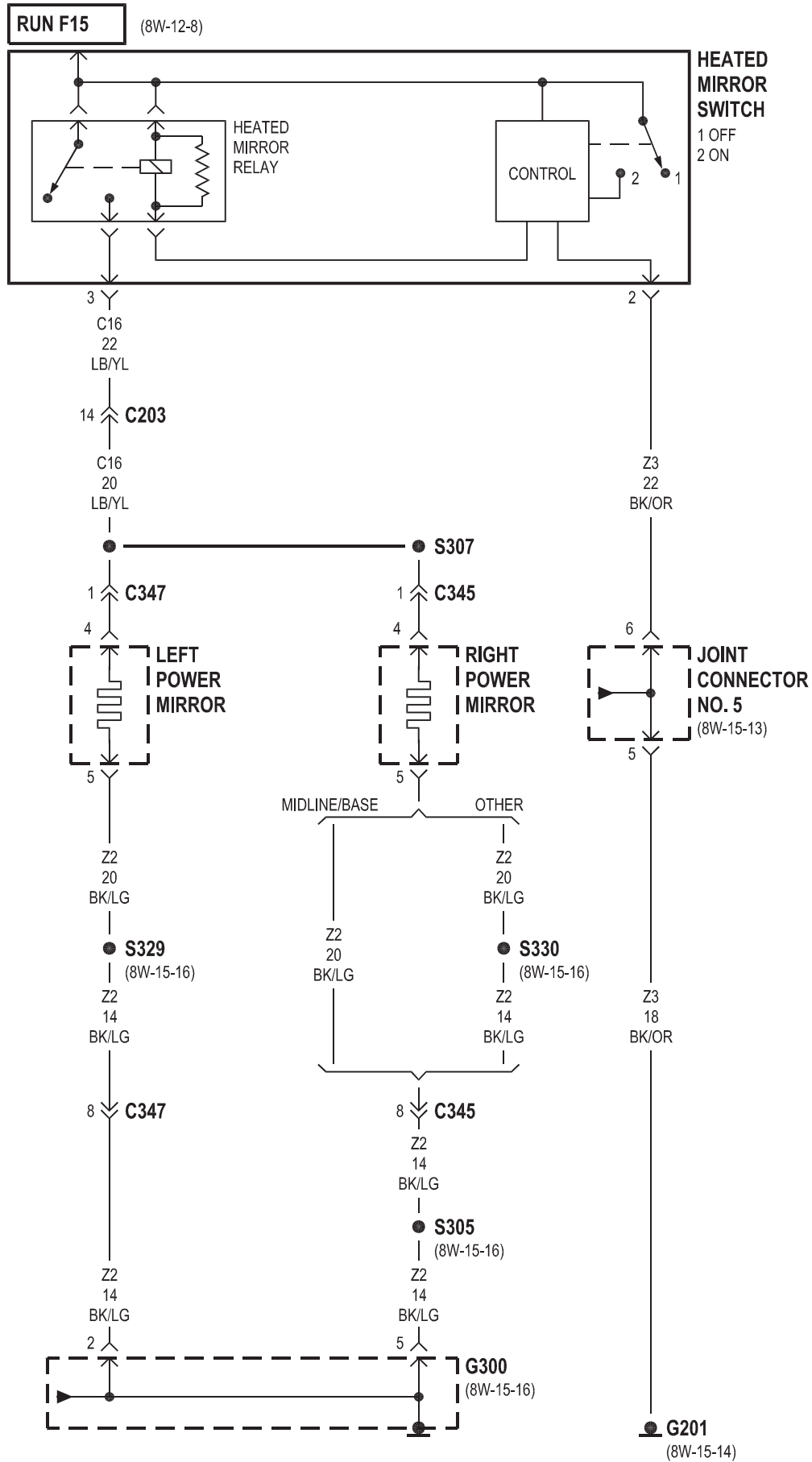
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8W-62 POWER MIRRORS

Component	Page	Component	Page
G201	8W-62-3	Joint Connector No. 5	8W-62-3
G300	8W-62-2, 3	Left Power Mirror	8W-62-2, 3
Heated Mirror Relay	8W-62-3	Power Mirror Switch	8W-62-2
Heated Mirror Switch	8W-62-3	Right Power Mirror	8W-62-2, 3





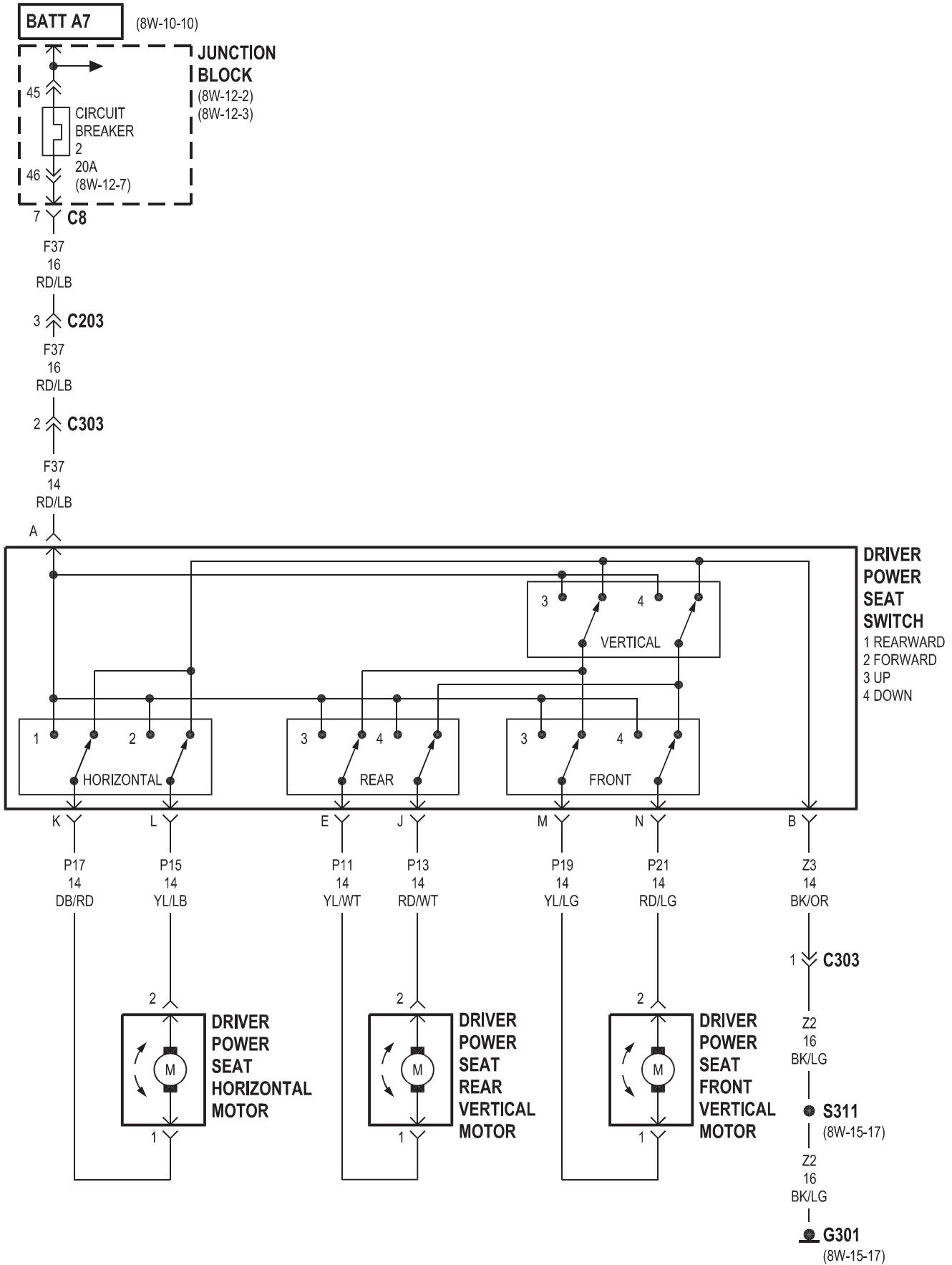
8W-63 POWER SEATS

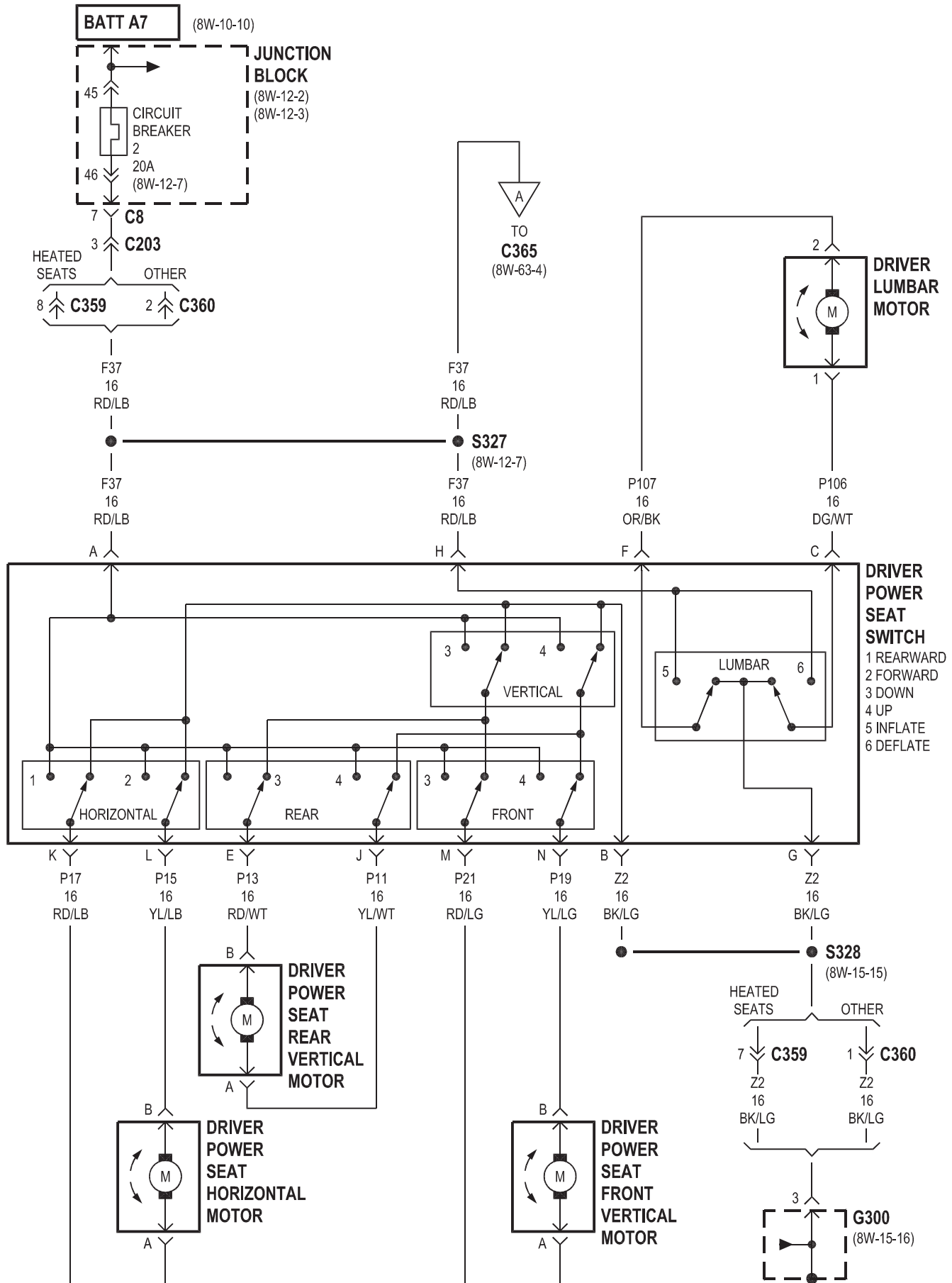
Component	Page	Component	Page
Circuit Breaker 2	8W-63-2, 3	Heated Seat Relay	8W-63-5, 7
Driver Heated Seat Cushion	8W-63-6, 8	Joint Connector No. 5	8W-63-5, 7
Driver Heated Seat Switch	8W-63-5	Joint Connector No. 8	8W-63-5, 7
Driver Lumbar Motor	8W-63-3	Junction Block	8W-63-2, 3, 5, 7
Driver Power Seat Front Vertical Motor	8W-63-2, 3	Passenger Heated Seat Cushion	8W-63-4, 6, 8
Driver Power Seat Horizontal Motor	8W-63-2, 3	Passenger Heated Seat Switch	8W-63-7
Driver Power Seat Rear Vertical Motor	8W-63-2, 3	Passenger Lumbar Motor	8W-63-4
Driver Power Seat Switch	8W-63-2, 3	Passenger Power Seat Front Vertical Motor	8W-63-4
Fuse 1 (JB)	8W-63-5, 7	Passenger Power Seat Horizontal Motor	8W-63-4
Fuse 2 (JB)	8W-63-5, 7	Passenger Power Seat Rear Vertical Motor	8W-63-4
G201	8W-63-5, 7	Passenger Power Seat Switch	8W-63-4
G300	8W-63-3, 4, 6, 8	Seat Heat Interface Module	8W-63-5, 6, 7, 8
G301	8W-63-2		

8W - 63 - 2

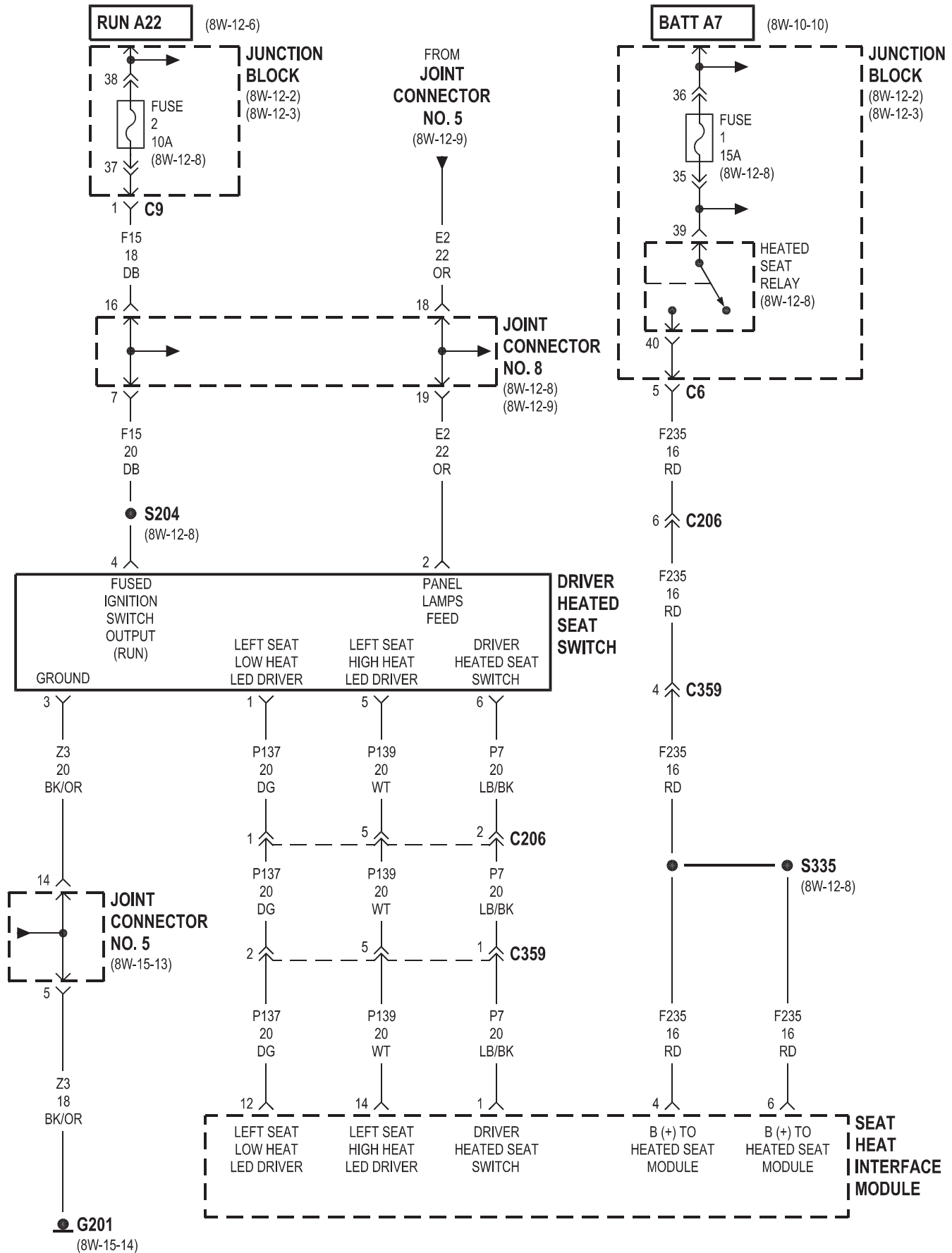
8W-63 POWER SEATS STANDARD CAB

BR/BE





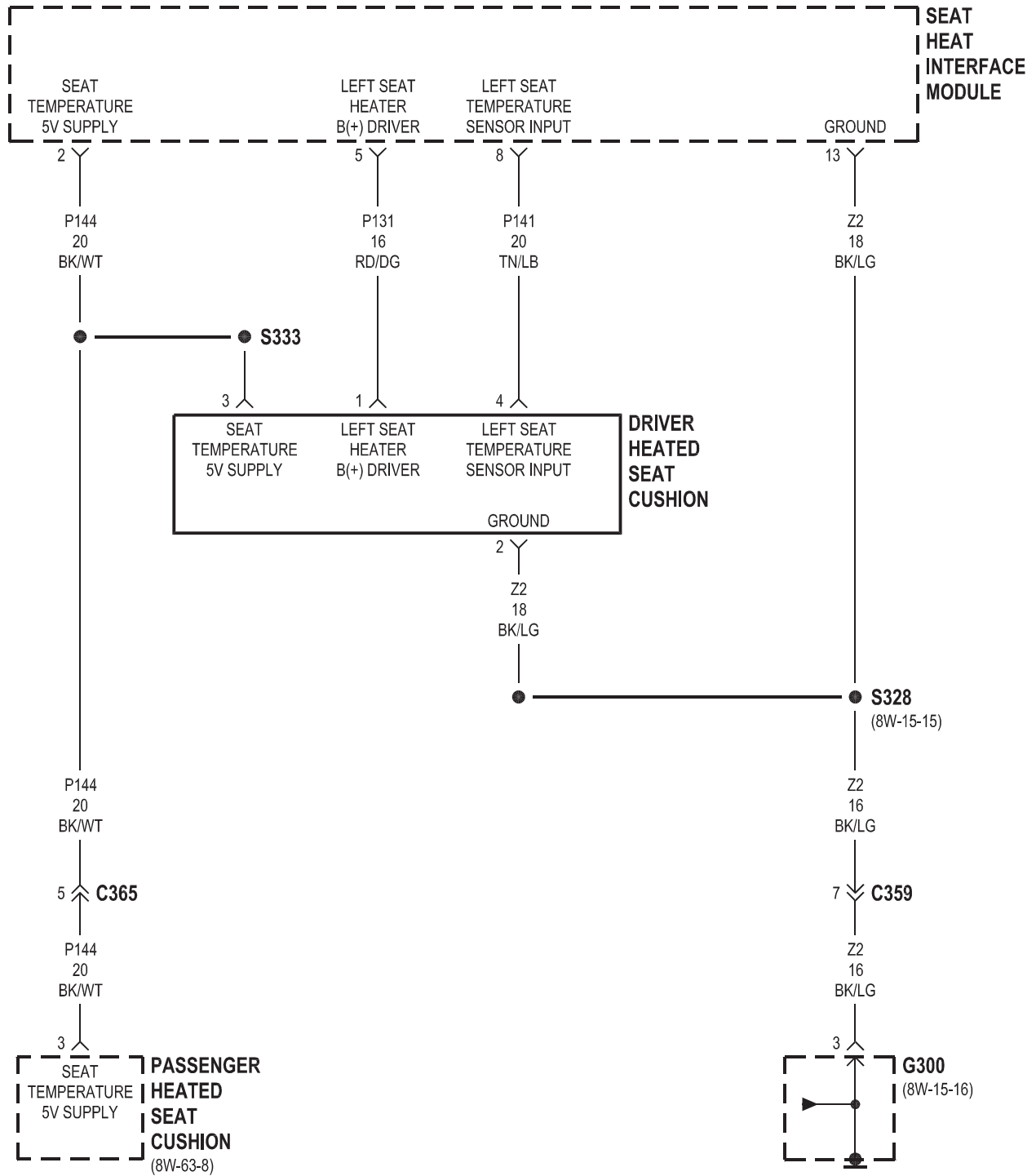


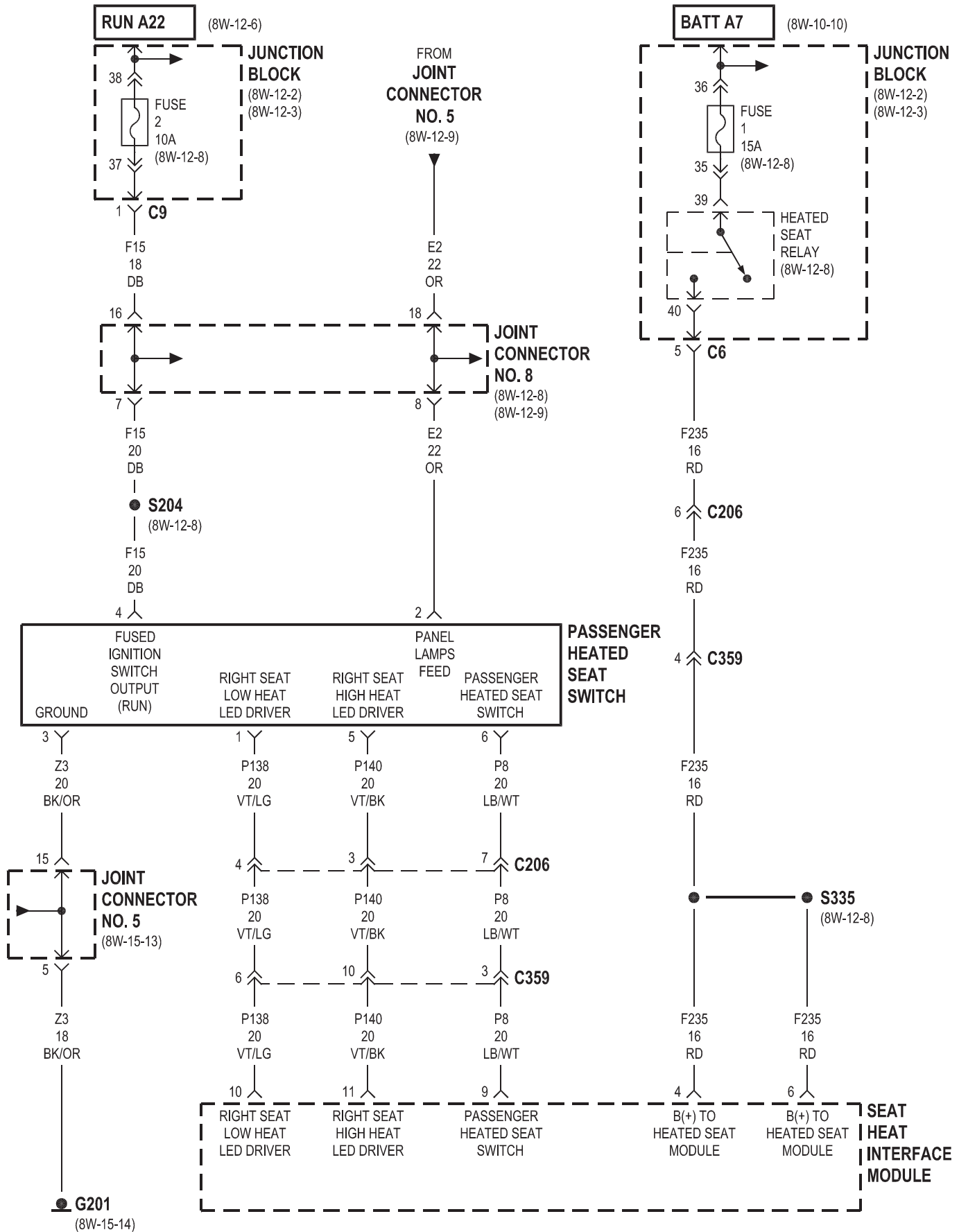


8W - 63 - 6

8W-63 POWER SEATS HEATED SEATS

BR/BE

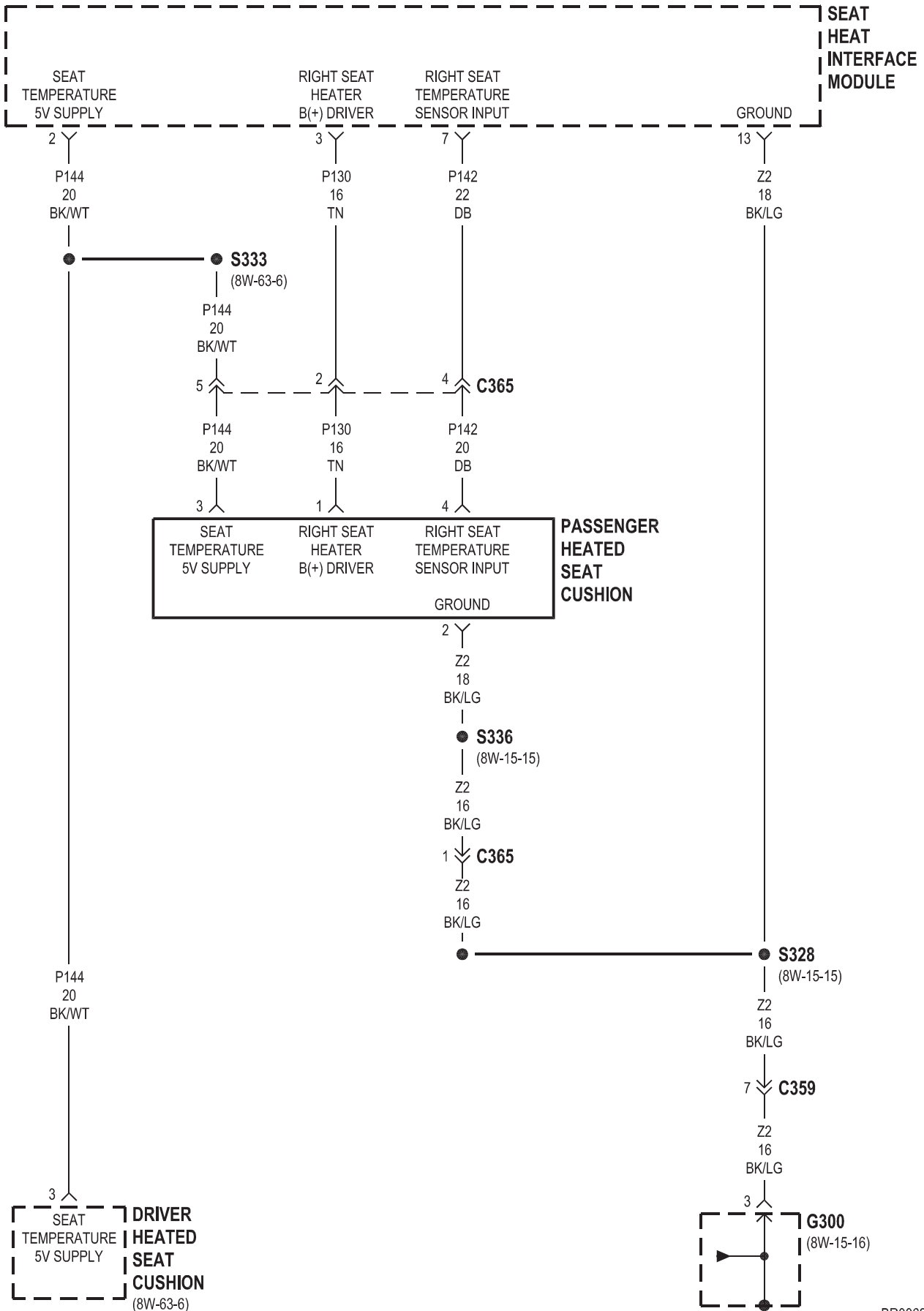




8W - 63 - 8

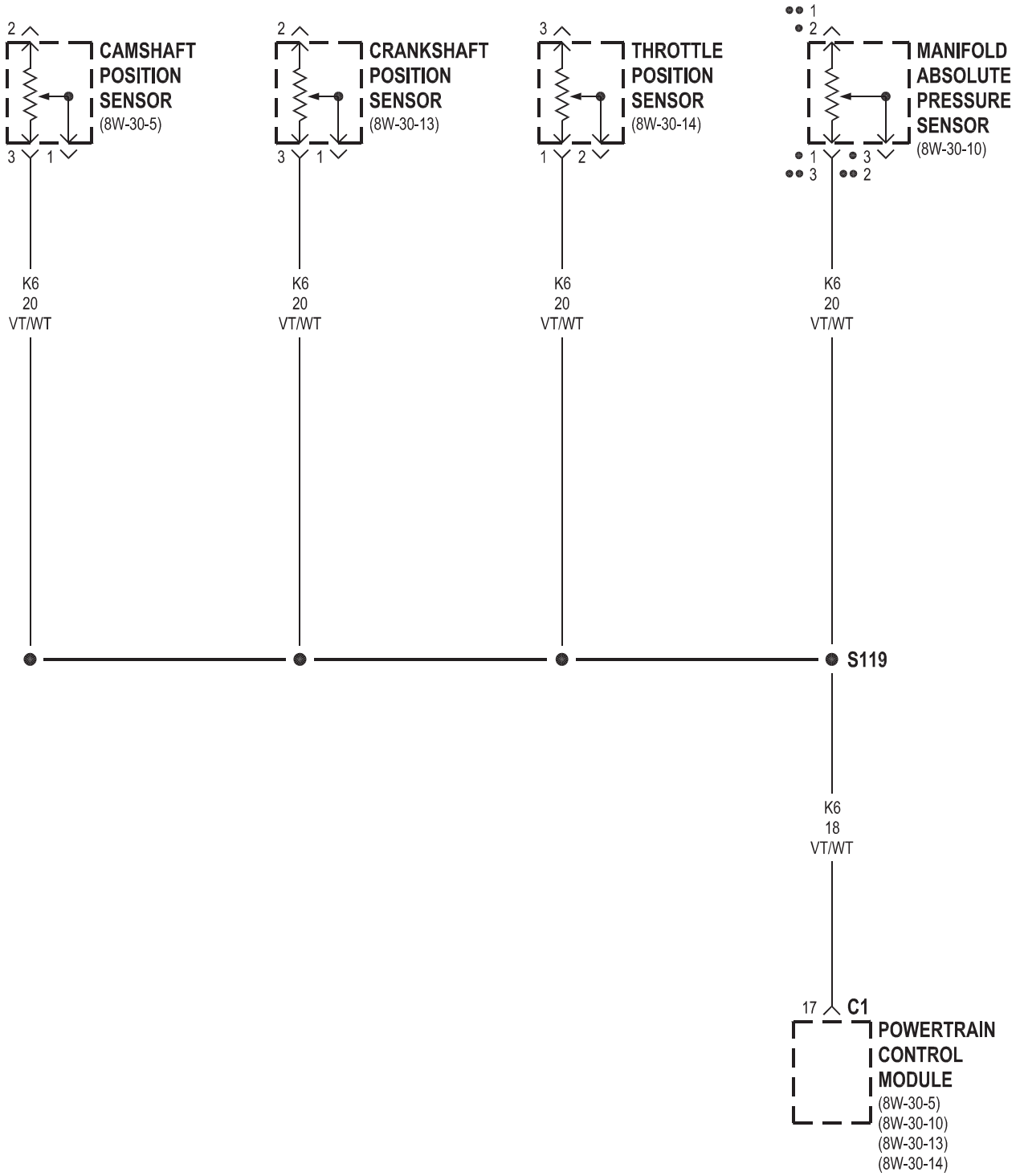
8W-63 POWER SEATS HEATED SEATS

BR/BE

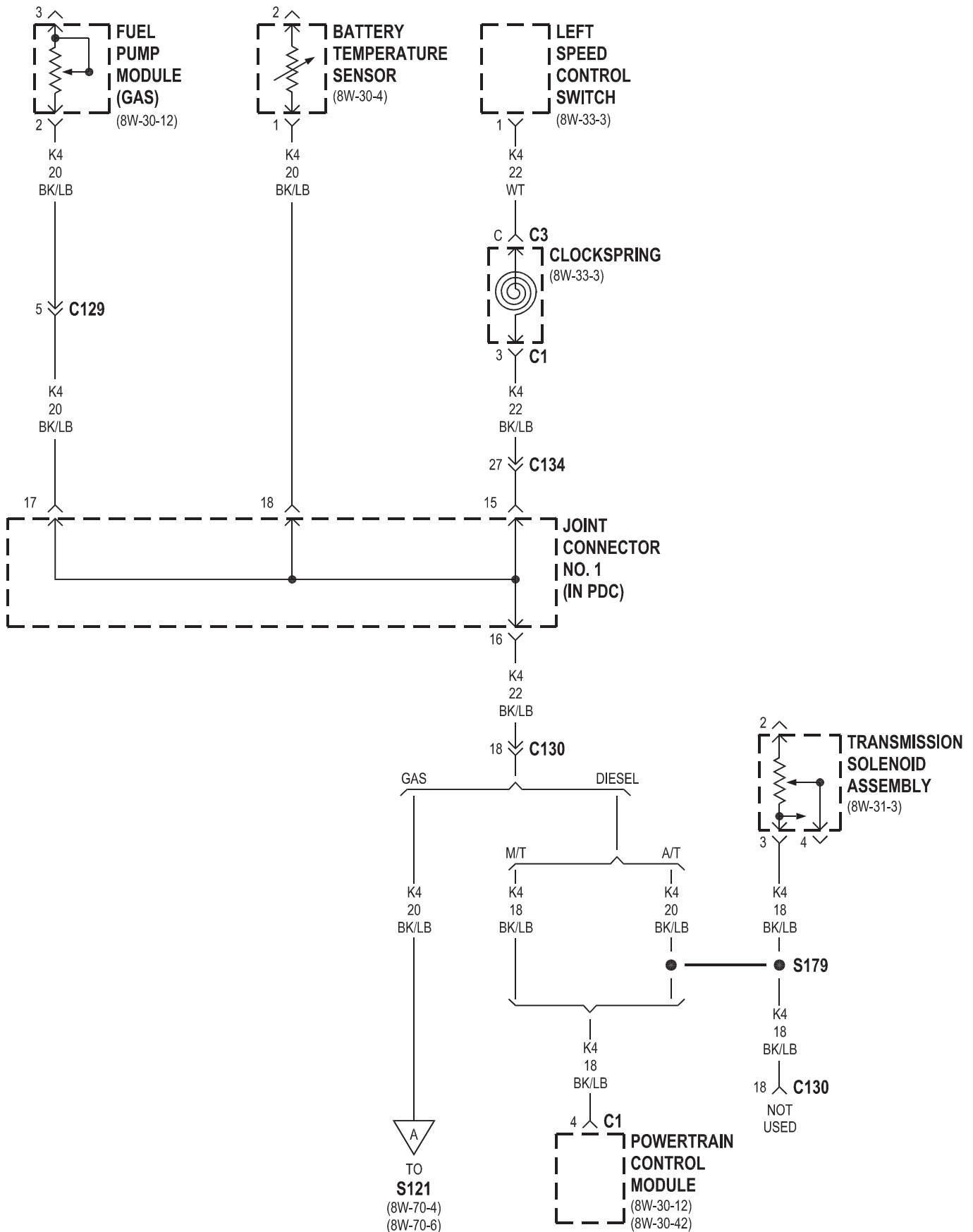


8W-70 SPLICE INFORMATION

Component	Page	Component	Page
S100	8W-10-19	S184	8W-18-4
S102	8W-12-18	S202	8W-53-2
S103	8W-12-18	S203	8W-12-10
S104	8W-50-7	S203	8W-53-2
S105	8W-12-13	S204	8W-12-8
S106	8W-50-6	S207	8W-42-3, 4
S107	8W-12-12	S209	8W-15-4
S108	8W-12-11	S210	8W-47-4
S109	8W-15-11	S300	8W-45-6
S110	8W-50-10, 11	S300	8W-61-2, 4
S111	8W-30-37	S301	8W-45-6
S112	8W-15-5	S301	8W-61-2, 4
S113	8W-10-23	S302	8W-15-4
S114	8W-10-13	S302	8W-47-8
S116	8W-31-2	S303	8W-47-8
S117	8W-10-15, 16	S304	8W-12-7
S118	8W-70-5, 6	S305	8W-15-16
S119	8W-70-2	S306	8W-12-15
S120	8W-42-3	S307	8W-62-3
S121	8W-70-4, 6	S308	8W-39-4
S122	8W-15-8	S308	8W-45-6
S123	8W-10-15, 16	S310	8W-12-14
S124	8W-10-17, 18	S311	8W-15-17
S126	8W-15-8, 10	S313	8W-52-4
S127	8W-21-3	S314	8W-52-4
S128	8W-15-9	S315	8W-15-6
S130	8W-10-18, 19	S316	8W-51-2
S131	8W-10-16	S317	8W-51-5
S134	8W-50-10, 11	S318	8W-10-21
S136	8W-10-25	S318	8W-54-2
S141	8W-50-7	S319	8W-10-21
S143	8W-10-25	S319	8W-54-2
S144	8W-50-5	S320	8W-54-3
S150	8W-15-7	S321	8W-15-6
S151	8W-15-3	S321	8W-54-4
S152	8W-31-5	S322	8W-50-8
S160	8W-30-34	S323	8W-12-15
S161	8W-10-12	S324	8W-12-13
S164	8W-15-10	S325	8W-15-18
S165	8W-70-7	S326	8W-12-14
S166	8W-30-33	S327	8W-12-7
S167	8W-10-12	S328	8W-15-15
S168	8W-15-9	S329	8W-15-16
S170	8W-30-31	S330	8W-15-16
S171	8W-12-12	S331	8W-15-7
S172	8W-30-40	S332	8W-45-10
S173	8W-30-40	S333	8W-63-6
S174	8W-30-38	S335	8W-12-8
S175	8W-18-3	S336	8W-15-15
S176	8W-10-18, 19	S337	8W-12-7
S177	8W-40-2	S340	8W-15-12
S179	8W-70-3	S401	8W-15-6
S180	8W-31-2	S402	8W-15-6
S181	8W-10-24	S404	8W-15-6
S182	8W-50-6	S406	8W-51-6
S183	8W-50-10		



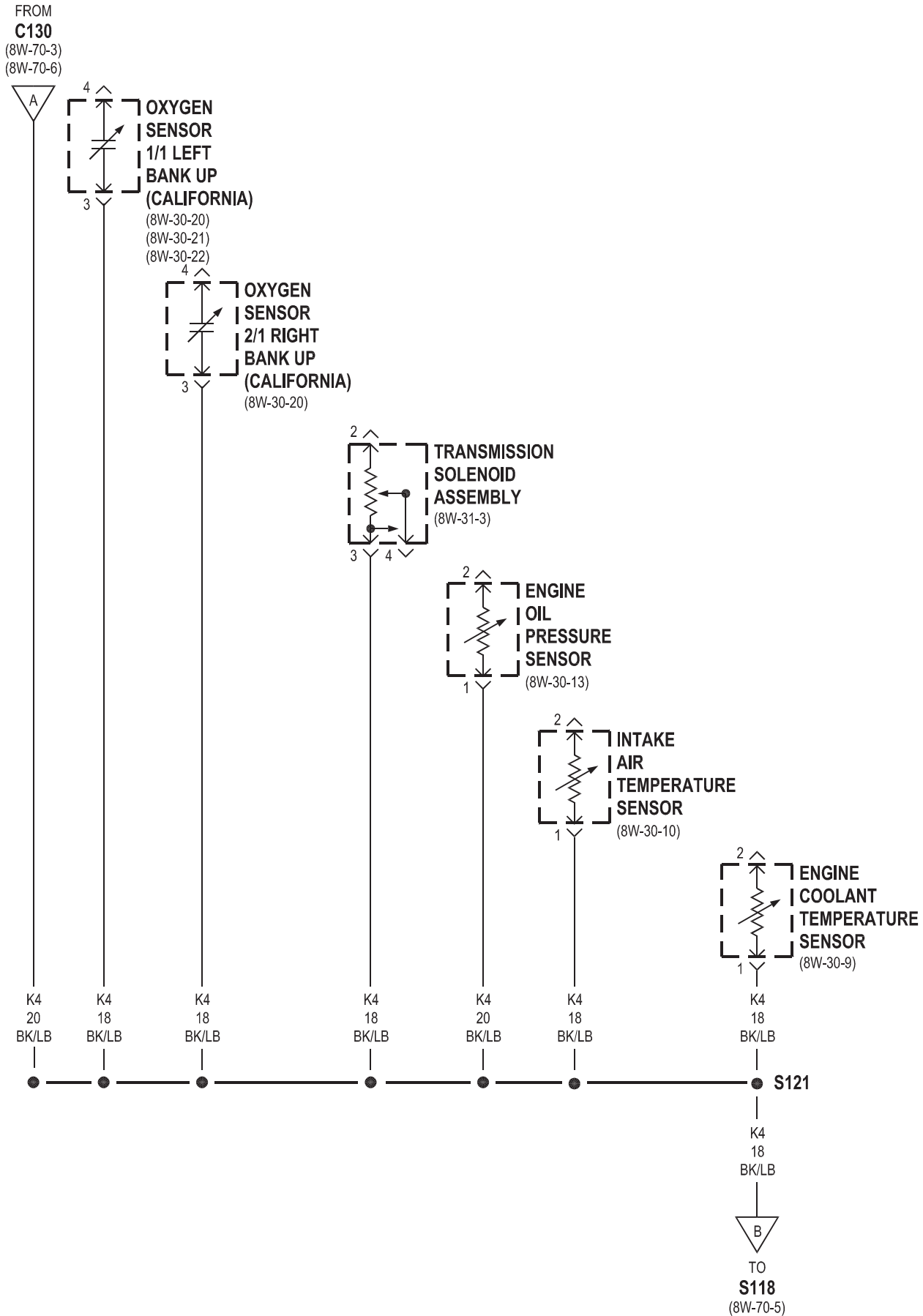
- 8.0L
- EXCEPT 8.0L

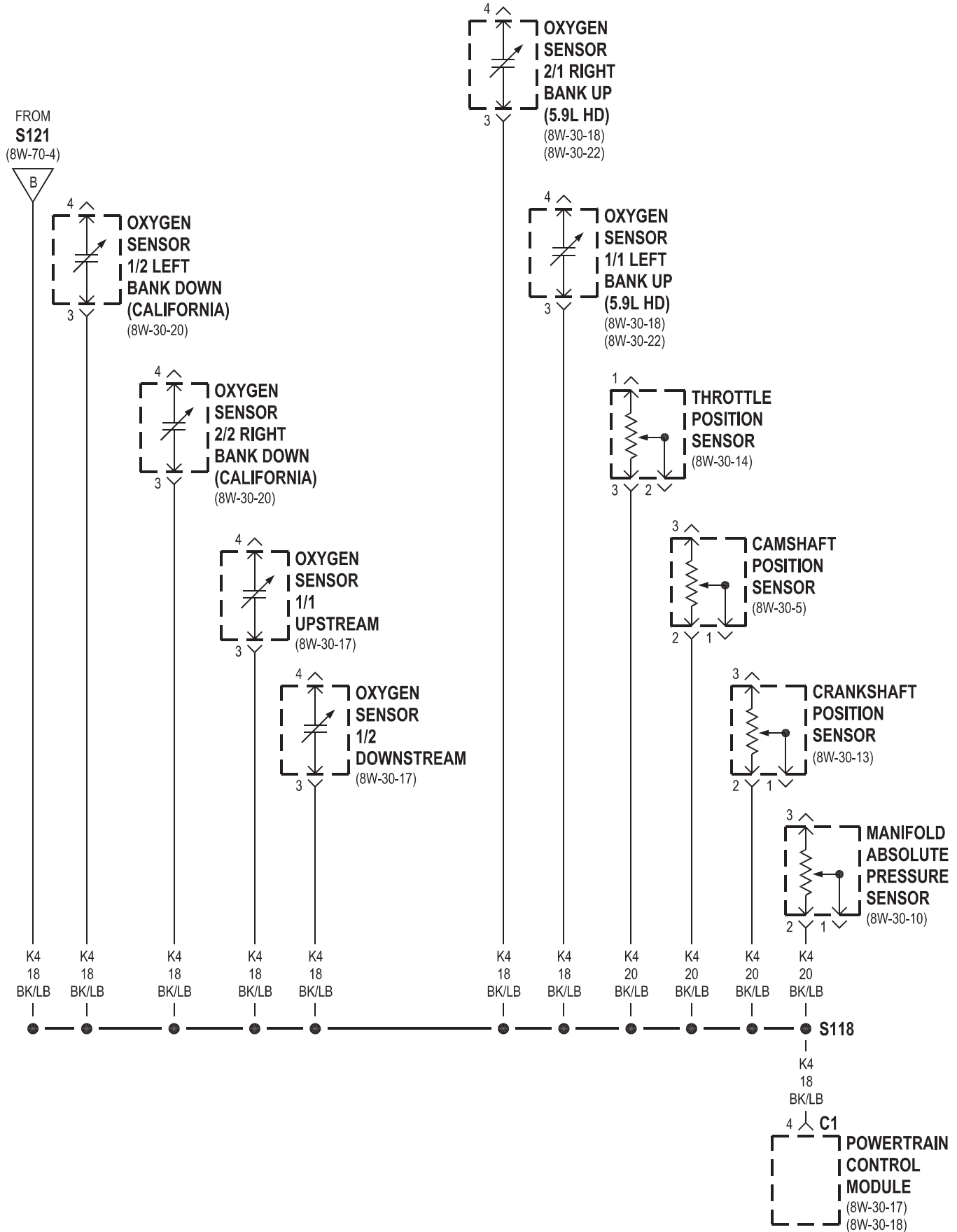


8W - 70 - 4

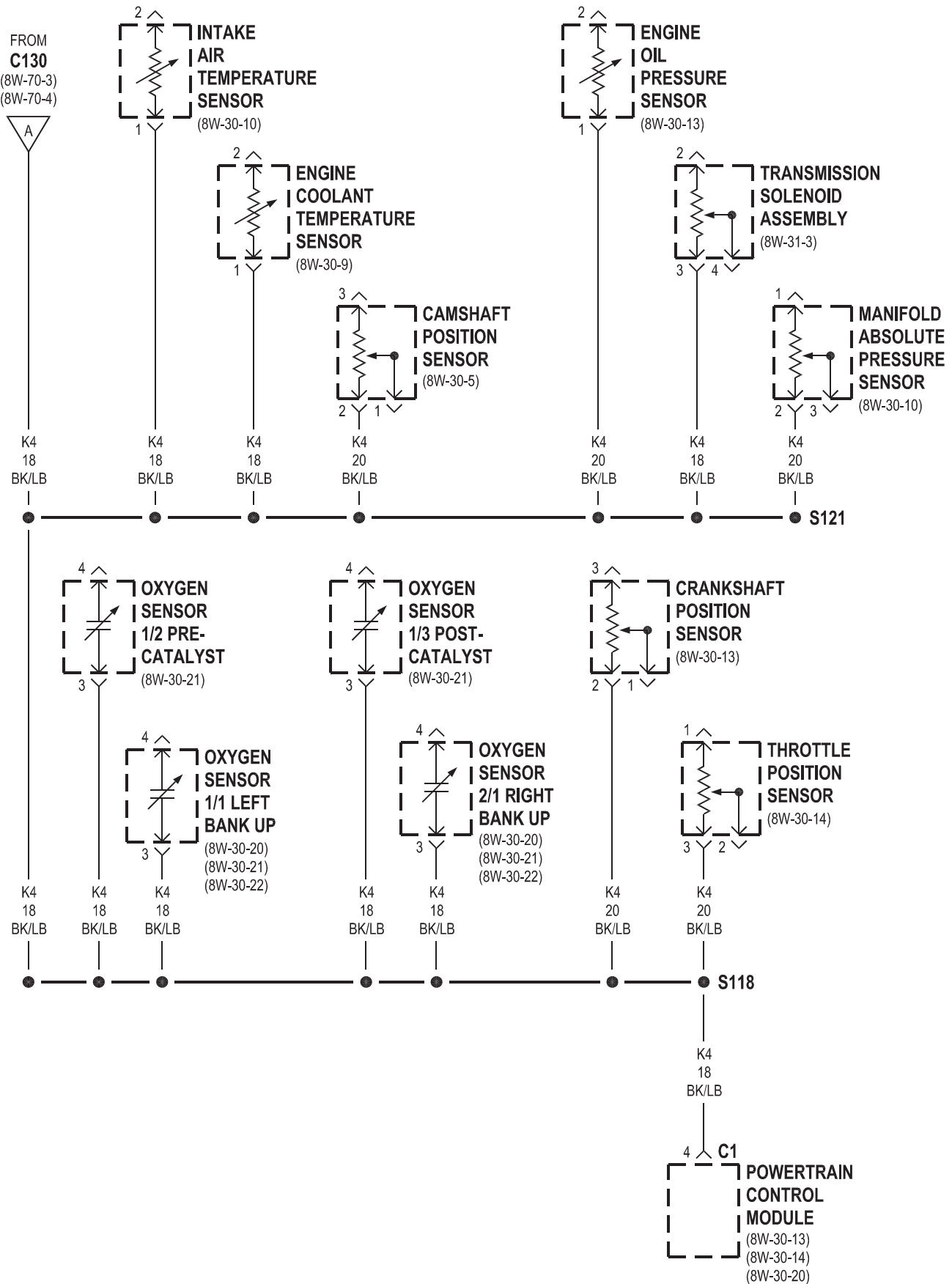
8W-70 SPLICE INFORMATION
GAS EXCEPT 8.0L

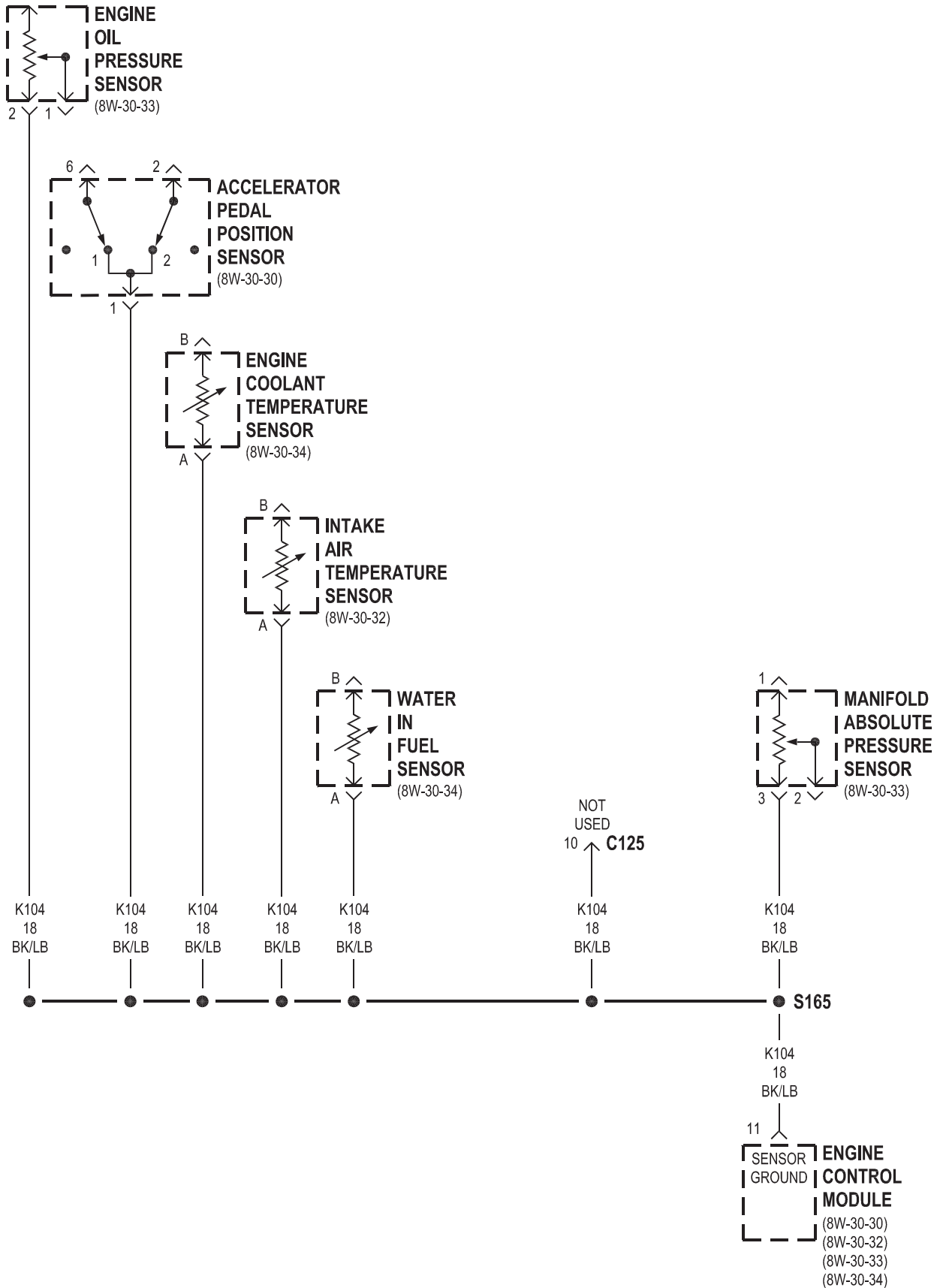
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8.0L





8W-80 CONNECTOR PIN-OUTS

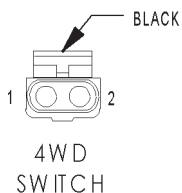
Component	Page	Component	Page
4WD Switch	8W-80-4	C329 (Club Cab)	8W-80-23
A/C Compressor Clutch	8W-80-4	C329 (Standard Cab)	8W-80-23
A/C Heater Control	8W-80-4	C329 (Standard Cab)	8W-80-23
A/C Heater Temperature Select	8W-80-4	C333 (Club Cab)	8W-80-23
A/C High Pressure Switch	8W-80-4	C333 (Club Cab)	8W-80-23
A/C Low Pressure Switch	8W-80-5	C333 (Standard Cab)	8W-80-24
Accelerator Pedal Position Sensor		C333 (Standard Cab)	8W-80-24
(Diesel)	8W-80-5	C342	8W-80-24
Aftermarket Trailer Tow Connector	8W-80-5	C342	8W-80-24
Airbag Control Module	8W-80-5	C343	8W-80-24
Ambient Temperature Sensor	8W-80-6	C343	8W-80-24
Ash Receiver Lamp	8W-80-6	C344 (Dual Rear Wheels)	8W-80-25
Automatic Day/Night Mirror	8W-80-6	C344 (Dual Rear Wheels)	8W-80-25
Back-Up Lamp Switch (M/T)	8W-80-6	C345	8W-80-25
Battery Temperature Sensor	8W-80-7	C345	8W-80-25
Blend Door Actuator	8W-80-7	C346	8W-80-26
Blower Motor	8W-80-7	C346	8W-80-26
Blower Motor Resistor Block	8W-80-7	C347	8W-80-26
Brake Lamp Switch	8W-80-7	C347	8W-80-27
Brake Pressure Switch	8W-80-8	C348	8W-80-27
Bypass Jumper (A/T)	8W-80-8	C348	8W-80-28
C105	8W-80-8	C352	8W-80-28
C105	8W-80-8	C352	8W-80-28
C106	8W-80-8	C353	8W-80-28
C106	8W-80-8	C353	8W-80-28
C114	8W-80-9	C358	8W-80-29
C114	8W-80-9	C358	8W-80-29
C125 (Diesel)	8W-80-9	C359 (Heated Seat)	8W-80-29
C125 (Diesel)	8W-80-9	C359 (Heated Seat)	8W-80-29
C126 (Diesel)	8W-80-10	C360 (Club Cab)	8W-80-30
C126 (Diesel)	8W-80-10	C360 (Club Cab)	8W-80-30
C129	8W-80-10	C361	8W-80-30
C129	8W-80-11	C361	8W-80-30
C130 (Diesel)	8W-80-11	C364	8W-80-31
C130 (Diesel) (In PDC)	8W-80-12	C364	8W-80-31
C130 (Gas)	8W-80-13	C365 (Heated Seat)	8W-80-31
C130 (Gas) (In PDC)	8W-80-14	C365 (Heated Seat)	8W-80-31
C134	8W-80-15	Camshaft Position Sensor (8.0L Gas)	8W-80-32
C134	8W-80-17	Camshaft Position Sensor (Diesel)	8W-80-32
C203	8W-80-18	Camshaft Position Sensor	
C203	8W-80-19	(Gas Except 8.0L)	8W-80-32
C205	8W-80-20	Cargo Lamp No. 1	8W-80-32
C205	8W-80-20	Cargo Lamp No. 2	8W-80-32
C206 (Heated Seats)	8W-80-20	Center High Mounted Stop Lamp No. 1	8W-80-33
C206 (Heated Seats)	8W-80-21	Center High Mounted Stop Lamp No. 2	8W-80-33
C237	8W-80-21	Center Identification Lamp	8W-80-33
C237	8W-80-21	Central Timer Module C1	8W-80-33
C303	8W-80-22	Central Timer Module C2	8W-80-34
C303	8W-80-22	Cigar Lighter	8W-80-34
C308	8W-80-22	Clockspring C1	8W-80-34
C308	8W-80-22	Clockspring C2	8W-80-34
C329 (Club Cab)	8W-80-22	Clockspring C3	8W-80-35

Component	Page
Clutch Pedal Position Switch (M/T)	8W-80-35
Controller Antilock Brake C1	8W-80-35
Controller Antilock Brake C2 (ABS)	8W-80-35
Crankshaft Position Sensor (Gas 8.0L)	8W-80-36
Crankshaft Position Sensor (Gas Except 8.0L)	8W-80-36
Cummins Bus (Diesel)	8W-80-36
Cup Holder Lamp	8W-80-36
Data Link Connector	8W-80-36
Daytime Running Lamp Module	8W-80-37
Dome Lamp	8W-80-37
Driver Airbag	8W-80-37
Driver Cylinder Lock Switch	8W-80-37
Driver Door Ajar Switch (Base)	8W-80-38
Driver Door Ajar Switch (Premium)	8W-80-38
Driver Door Lock Motor	8W-80-38
Driver Door Window/Lock Switch	8W-80-38
Driver Heated Seat Cushion	8W-80-38
Driver Heated Seat Switch	8W-80-39
Driver Lumbar Motor	8W-80-39
Driver Power Seat Front Vertical Motor (Club Cab)	8W-80-39
Driver Power Seat Front Vertical Motor (Standard Cab)	8W-80-39
Driver Power Seat Horizontal Motor (Club Cab)	8W-80-39
Driver Power Seat Horizontal Motor (Standard Cab)	8W-80-40
Driver Power Seat Rear Vertical Motor (Club Cab)	8W-80-40
Driver Power Seat Rear Vertical Motor (Standard Cab)	8W-80-40
Driver Power Seat Switch (Club Cab)	8W-80-40
Driver Power Seat Switch (Standard Cab)	8W-80-41
Driver Power Window Motor	8W-80-41
Electric Brake Provision	8W-80-41
Engine Control Module (Diesel)	8W-80-41
Engine Coolant Temperature Sensor (Diesel)	8W-80-42
Engine Coolant Temperature Sensor (Gas)	8W-80-43
Engine Oil Pressure Sensor (Diesel)	8W-80-43
Engine Oil Pressure Sensor (Gas)	8W-80-43
EVAP/Purge Solenoid	8W-80-43
Front Washer Pump	8W-80-43
Fuel Heater (Diesel)	8W-80-43
Fuel Injection Pump (Diesel)	8W-80-44
Fuel Injector No. 1	8W-80-44
Fuel Injector No. 2	8W-80-44
Fuel Injector No. 3	8W-80-44
Fuel Injector No. 4	8W-80-44
Fuel Injector No. 5	8W-80-45
Fuel Injector No. 6	8W-80-45
Fuel Injector No. 7 (5.2L/5.9L/8.0L)	8W-80-45

Component	Page
Fuel Injector No. 8 (5.2L/5.9L/8.0L)	8W-80-45
Fuel Injector No. 9 (8.0L)	8W-80-45
Fuel Injector No. 10 (8.0L)	8W-80-46
Fuel Pump Module (Gas)	8W-80-46
Fuel Tank Module (Diesel)	8W-80-46
Fuel Transfer Pump (Diesel)	8W-80-46
G300	8W-80-46
Generator	8W-80-47
Glove Box Lamp And Switch	8W-80-47
Headlamp Switch C1	8W-80-47
Headlamp Switch C2	8W-80-47
Heated Mirror Switch	8W-80-48
High Note Horn	8W-80-48
Idle Air Control Motor	8W-80-48
Ignition Coil (3.9L/5.2L/5.9L)	8W-80-48
Ignition Coil 4 Pack (8.0L)	8W-80-48
Ignition Coil 6 Pack (8.0L)	8W-80-49
Ignition Switch C1	8W-80-49
Ignition Switch C2	8W-80-49
Instrument Cluster C1	8W-80-49
Instrument Cluster C2	8W-80-50
Intake Air Heater Relays (Diesel)	8W-80-50
Intake Air Temperature Sensor (Diesel)	8W-80-50
Intake Air Temperature Sensor (Gas)	8W-80-50
Joint Connector No. 1 (In PDC)	8W-80-50
Joint Connector No. 2 (In PDC)	8W-80-51
Joint Connector No. 5	8W-80-52
Joint Connector No. 6	8W-80-52
Joint Connector No. 7	8W-80-53
Joint Connector No. 8	8W-80-53
Junction Block C1	8W-80-54
Junction Block C2	8W-80-54
Junction Block C3	8W-80-54
Junction Block C4	8W-80-55
Junction Block C5	8W-80-55
Junction Block C6	8W-80-55
Junction Block C7	8W-80-55
Junction Block C8	8W-80-56
Junction Block C9	8W-80-56
Leak Detection Pump (Gas)	8W-80-56
Left Back-Up Lamp	8W-80-57
Left Fog Lamp	8W-80-57
Left Front Door Speaker (Premium)	8W-80-57
Left Front Door Speaker (Standard)	8W-80-57
Left Front Fender Lamp (Dual Rear Wheels)	8W-80-57
Left Front Wheel Speed Sensor (ABS)	8W-80-58
Left Headlamp	8W-80-58
Left License Lamp	8W-80-58
Left Outboard Clearance Lamp	8W-80-58
Left Outboard Headlamp	8W-80-58
Left Outboard Identification Lamp	8W-80-59
Left Park/Turn Signal Lamp	8W-80-59
Left Power Mirror	8W-80-59

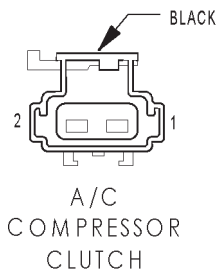
Component	Page
Left Rear Fender Lamp (Dual Rear Wheels)	8W-80-59
Left Rear Speaker (Premium 2 Door)	8W-80-59
Left Rear Speaker (Premium 4 Door)	8W-80-60
Left Rear Speaker (Standard 2 Door)	8W-80-60
Left Rear Speaker (Standard 4 Door)	8W-80-60
Left Remote Radio Switch	8W-80-60
Left Speed Control Switch	8W-80-60
Left Tail/Stop/Turn Signal Lamp	8W-80-61
Left Tweeter (Premium)	8W-80-61
Left Visor/Vanity Lamp	8W-80-61
Low Note Horn	8W-80-61
Manifold Absolute Pressure Sensor (3.9L/5.2L/5.9L)	8W-80-61
Manifold Absolute Pressure Sensor (8.0L)	8W-80-62
Manifold Air Pressure Sensor (Diesel)	8W-80-62
Multi-Function Switch	8W-80-62
Output Speed Sensor	8W-80-63
Overdrive Switch	8W-80-63
Overhead Console (Base)	8W-80-63
Overhead Console (Highline)	8W-80-63
Oxygen Sensor 1/1 Left Bank Up (5.9L HD/8.0L)	8W-80-63
Oxygen Sensor 1/1 Left Bank Up (California)	8W-80-64
Oxygen Sensor 1/1 Upstream (A/T Except 8.0L)	8W-80-64
Oxygen Sensor 1/1 Upstream (M/T Except 8.0L)	8W-80-64
Oxygen Sensor 1/2 Downstream (3.9L/5.2L)	8W-80-64
Oxygen Sensor 1/2 Left Bank Down (California)	8W-80-64
Oxygen Sensor 1/2 Pre-Catalyst (8.0L) . . .	8W-80-65
Oxygen Sensor 1/3 Post Catalyst (8.0L) . .	8W-80-65
Oxygen Sensor 2/1 Right Bank Up (5.9L HD) (5.2L/5.9L/8.0L California)	8W-80-65
Oxygen Sensor 2/2 Right Bank Down (California)	8W-80-65
Park/Neutral Position Switch (A/T)	8W-80-65
Passenger Airbag	8W-80-66
Passenger Airbag On/Off Switch C1	8W-80-66
Passenger Airbag On/Off Switch C2	8W-80-66
Passenger Cylinder Lock Switch	8W-80-66
Passenger Door Ajar Switch	8W-80-66
Passenger Door Lock Motor	8W-80-66
Passenger Door Window/Lock Switch	8W-80-67
Passenger Heated Seat Cushion	8W-80-67
Passenger Heated Seat Switch	8W-80-67
Passenger Lumbar Motor	8W-80-67
Passenger Power Seat Front Vertical Motor (Club Cab)	8W-80-68
Passenger Power Seat Horizontal Motor (Club Cab)	8W-80-68

Component	Page
Passenger Power Seat Rear Vertical Motor (Club Cab)	8W-80-68
Passenger Power Seat Switch (Club Cab) . .	8W-80-68
Passenger Power Window Motor	8W-80-68
Power Mirror Switch	8W-80-69
Power Outlet	8W-80-69
Powertrain Control Module C1 (Diesel) . . .	8W-80-69
Powertrain Control Module C1 (Gas)	8W-80-70
Powertrain Control Module C2 (Diesel) . . .	8W-80-71
Powertrain Control Module C2 (Gas)	8W-80-71
Powertrain Control Module C3 (Diesel) . . .	8W-80-72
Powertrain Control Module C3 (Gas)	8W-80-73
Radio C1	8W-80-74
Radio C2	8W-80-74
Radio C3	8W-80-74
Radio Choke Relay	8W-80-74
Rear Wheel Speed Sensor (ABS)	8W-80-74
Right Back-Up Lamp	8W-80-75
Right Fog Lamp	8W-80-75
Right Front Door Speaker (Premium)	8W-80-75
Right Front Door Speaker (Standard)	8W-80-75
Right Front Fender Lamp (Dual Rear Wheels)	8W-80-75
Right Front Wheel Speed Sensor (ABS) . .	8W-80-76
Right Headlamp	8W-80-76
Right License Lamp	8W-80-76
Right Outboard Clearance Lamp	8W-80-76
Right Outboard Headlamp	8W-80-76
Right Outboard Identification Lamp	8W-80-77
Right Park/Turn Signal Lamp	8W-80-77
Right Power Mirror	8W-80-77
Right Rear Fender Lamp (Dual Rear Wheels)	8W-80-77
Right Rear Speaker (2 Door Premium) . . .	8W-80-77
Right Rear Speaker (4 Door Premium) . . .	8W-80-78
Right Rear Speaker (Standard 2 Door) . . .	8W-80-78
Right Rear Speaker (Standard 4 Door) . . .	8W-80-78
Right Remote Radio Switch	8W-80-78
Right Speed Control Switch	8W-80-78
Right Tail/Stop/Turn Signal Lamp	8W-80-78
Right Tweeter (Premium)	8W-80-79
Right Visor/Vanity Lamp	8W-80-79
Seat Belt Switch (Club Cab)	8W-80-79
Seat Belt Switch (Standard Cab)	8W-80-79
Seat Heat Interface Module	8W-80-79
Speed Control Servo	8W-80-80
Tailgate Lamp (Dual Rear Wheels)	8W-80-80
Throttle Position Sensor (Gas)	8W-80-80
Trailer Tow Connector	8W-80-80
Transmission Solenoid Assembly	8W-80-80
Underhood Lamp	8W-80-81
Washer Fluid Level Switch	8W-80-81
Water In Fuel Sensor (Diesel)	8W-80-81
Wiper Motor	8W-80-81



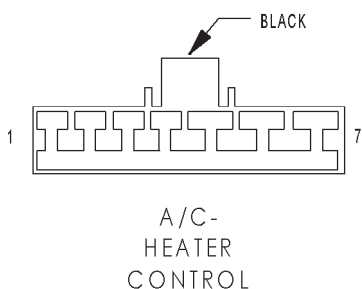
4WD SWITCH - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	G107 18BK/GY	4WD SWITCH SENSE
2	Z1 18BK	GROUND



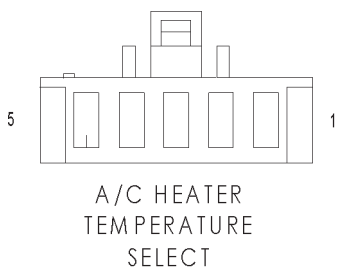
A/C COMPRESSOR CLUTCH - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	C3 18DB/BK	A/C COMPRESSOR CLUTCH RELAY OUTPUT
2	Z11 18BK/WT	GROUND



A/C-HEATER CONTROL - BLACK 7 WAY

CAV	CIRCUIT	FUNCTION
1	Z3 12BK/OR	GROUND
2	C7 12BK/TN	HIGH SPEED BLOWER MOTOR CONTROL
3	C6 14LB	M2 SPEED BLOWER MOTOR CONTROL
4	C5 16LG	M1 SPEED BLOWER MOTOR CONTROL
5	C4 16TN	LOW SPEED BLOWER MOTOR CONTROL
6	C90 22LG/WT	A/C SELECT INPUT
7	E2 22OR	PANEL LAMPS FEED



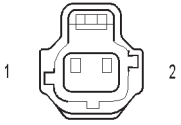
A/C HEATER TEMPERATURE SELECT - 5 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	Z2 22BK/LG	GROUND
3	C82 22YL/OR	TEMPERATURE SELECT
4	F15 22DB	FUSED IGNITION SWITCH OUTPUT (RUN)
5	-	-



A/C HIGH PRESSURE SWITCH - 2 WAY

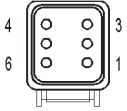
CAV	CIRCUIT	FUNCTION
1	C90 18LG/WT	A/C SELECT INPUT
2	C22 18DB	A/C SWITCH SENSE



A/C LOW
PRESSURE
SWITCH

A/C LOW PRESSURE SWITCH - 2 WAY

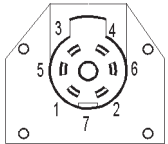
CAV	CIRCUIT	FUNCTION
1	C20 18BR	A/C SWITCH SENSE
2	C22 18DB	A/C SWITCH SENSE



ACCELERATOR
PEDAL
POSITION
SENSOR
(DIESEL)

ACCELERATOR PEDAL POSITION SENSOR (DIESEL) - 6 WAY

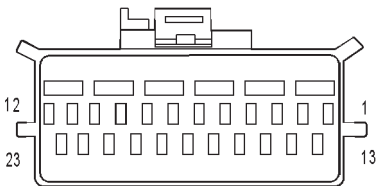
CAV	CIRCUIT	FUNCTION
1	K104 18BK/LB	SENSOR GROUND
2	H105 18LG/DB	IDLE VALIDATION SWITCH NO. 2
3	H102 18LB/BK	ACCELERATOR PEDAL POSITION SENSOR SIGNAL
4	H103 18BK/YL	ACCELERATOR PEDAL POSITION SENSOR GROUND
5	H101 18DB/WT	ACCELERATOR PEDAL POSITION SENSOR SUPPLY
6	H104 18BR/OR	IDLE VALIDATION SWITCH NO. 1



AFTERMARKET
TRAILER TOW
CONNECTOR

AFTERMARKET TRAILER TOW CONNECTOR - 7 WAY

CAV	CIRCUIT	FUNCTION
1	Z13 12BK	GROUND
2	B40 12LB	TRAILER TOW BRAKE B(+)
3	L76 12BK/OR	TRAILER TOW RELAY OUTPUT
4	A6 12RD/OR	FUSED B(+)
5	L63 16DG/RD	LEFT TURN SIGNAL
6	L62 16BR/RD	RIGHT TURN SIGNAL
7	L1 18VT/BK	BACK-UP LAMP FEED



AIRBAG
CONTROL
MODULE

AIRBAG CONTROL MODULE - 23 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	Z6 18BK/PK	GROUND
5	R43 18BK/LB	DRIVER AIRBAG LINE 2
6	R45 18DG/LB	DRIVER AIRBAG LINE 1
7	R142 18BR/YL	PASSENGER AIRBAG LINE 1
8	R144 18VT/YL	PASSENGER AIRBAG LINE 2
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
15	F23 18DB/YL	FUSED IGNITION SWITCH OUTPUT (RUN)
16	-	-

AIRBAG CONTROL MODULE - 23 WAY

CAV	CIRCUIT	FUNCTION
17	-	-
18	-	-
19	-	-
20	-	-
21	D1 18VT/BR	CCD BUS (+)
22	D2 18WT/BK	CCD BUS (-)
23	-	-

AMBIENT TEMPERATURE SENSOR - 2 WAY

CAV	CIRCUIT	FUNCTION
1	G31 20VT/LG	AMBIENT TEMPERATURE SENSOR SIGNAL
2	G32 20BK/VT	SENSOR GROUND

ASH RECEIVER LAMP - BLACK 2 WAY

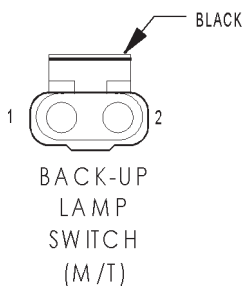
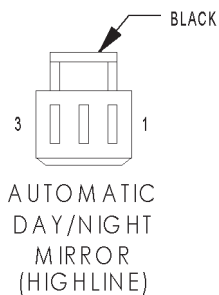
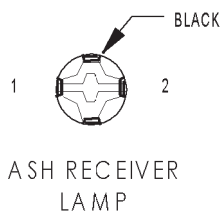
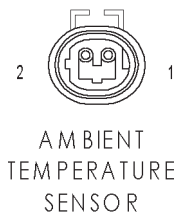
CAV	CIRCUIT	FUNCTION
1	E2 22OR	FUSED PANEL LAMPS DIMMER SWITCH SIGNAL
2	Z3 20BK/OR	GROUND

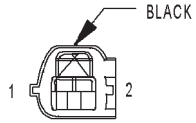
AUTOMATIC DAY/NIGHT MIRROR(HIGHLINE) - BLACK 3 WAY

CAV	CIRCUIT	FUNCTION
1	F12 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	Z3 20BK	GROUND
3	L1 20VT/BK	BACK-UP LAMP FEED

BACK-UP LAMP SWITCH (M/T) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	L1 18VT/BK	BACK-UP LAMP FEED
2	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)

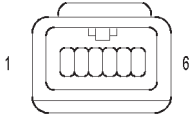




BATTERY
TEMPERATURE
SENSOR

BATTERY TEMPERATURE SENSOR - BLACK 2 WAY

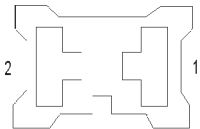
CAV	CIRCUIT	FUNCTION
1	K4 20BK/LB	SENSOR GROUND
2	K118 20PK/YL	BATTERY TEMPERATURE SENSOR SIGNAL



BLEND DOOR
ACTUATOR

BLEND DOOR ACTUATOR - 6 WAY

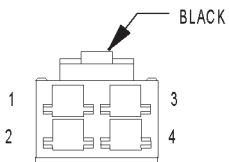
CAV	CIRCUIT	FUNCTION
1	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN)
2	C82 20YL/OR	TEMPERATURE SELECT
3	Z2 20BK/LG	GROUND
4	-	-
5	-	-
6	-	-



BLOWER
MOTOR

BLOWER MOTOR - 2 WAY

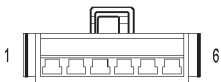
CAV	CIRCUIT	FUNCTION
1	C1 12DG	BLOWER MOTOR RELAY OUTPUT
2	C7 12BK/TN	HIGH SPEED BLOWER MOTOR CONTROL



BLOWER MOTOR
RESISTOR BLOCK

BLOWER MOTOR RESISTOR BLOCK - BLACK 4 WAY

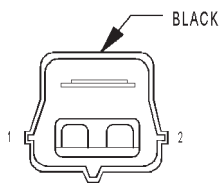
CAV	CIRCUIT	FUNCTION
1	C7 12BK/TN	HIGH SPEED BLOWER MOTOR CONTROL
2	C6 14LB	M2 SPEED BLOWER MOTOR CONTROL
3	C5 16LG	M1 SPEED BLOWER MOTOR CONTROL
4	C4 16TN	LOW SPEED BLOWER MOTOR CONTROL



BRAKE LAMP
SWITCH

BRAKE LAMP SWITCH - 6 WAY

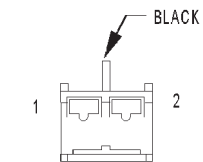
CAV	CIRCUIT	FUNCTION
1	F32 16PK/DB	FUSED B(+)
2	L50 16WT/TN	BRAKE LAMP SWITCH OUTPUT
3	V30 22DB/RD	SPEED CONTROL BRAKE SWITCH OUTPUT
4	V32 22YL/RD	SPEED CONTROL SUPPLY
5	Z2 22BK/LG	GROUND
6	V40 22WT/PK	BRAKE SWITCH SENSE



BRAKE PRESSURE SWITCH

BRAKE PRESSURE SWITCH - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	G9 20GY/BK	RED BRAKE WARNING INDICATOR DRIVER



BYPASS JUMPER (A/T)

BYPASS JUMPER (A/T) - GREEN 2 WAY

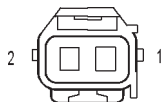
CAV	CIRCUIT	FUNCTION
1	T141 14YL/RD	FUSED IGNITION SWITCH OUTPUT (START)
2	T141 14YL/RD	FUSED IGNITION SWITCH OUTPUT (START)



C105

C105 - (FOG LAMP JUMPER SIDE)

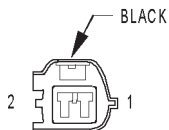
CAV	CIRCUIT
1	L34 20RD/OR
2	L39 20LB



C105

C105 - (HEADLAMP AND DASH SIDE)

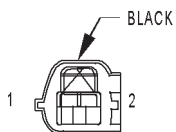
CAV	CIRCUIT
1	L34 20RD/OR
2	L39 20LB



C106

C106 - BLACK (4X4 INDICATOR SIDE)

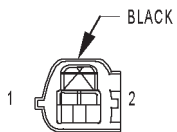
CAV	CIRCUIT
1	G107 18BK/GY
2	Z1 18BK



C106

C106 - BLACK (HEADLAMP AND DASH SIDE)

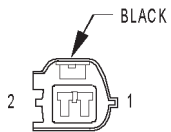
CAV	CIRCUIT
1	G107 20GY
2	Z1 20BK



C114

C114 - BLACK (AMBIENT TEMPERATURE SENSOR SIDE)

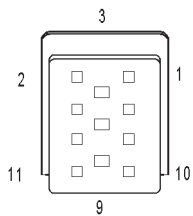
CAV	CIRCUIT
1	G31 20VT/LG
2	G32 20BK/VT



C114

C114 - BLACK (HEADLAMP AND DASH SIDE)

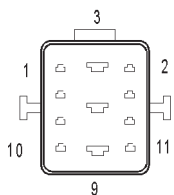
CAV	CIRCUIT
1	G31 20VT/LG
2	G32 20BK/VT



C125
(DIESEL)

C125 (DIESEL) - (ENGINE SIDE)

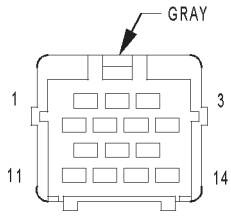
CAV	CIRCUIT
1	F18 18LG/BK
2	G113 18OR
3	A14 12RD/WT
4	C3 18DB/BK
5	C90 18LG/WT
6	K22 18OR/DB
7	A40 14RD/LG
8	K131 18BR/WT
9	A93 12RD/BK
10	K104 18BK/LB
11	G7 18WT/OR



C125
(DIESEL)

C125 (DIESEL) - (TRANSMISSION SIDE)

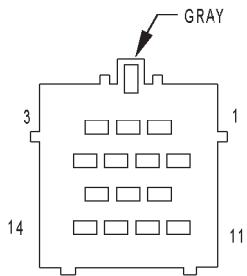
CAV	CIRCUIT
1	F18 18LG/BK
2	G113 18OR
3	A14 14RD/WT
4	C3 18DB/BK
5	C90 18LG/WT
6	K22 18OR/DB
7	A40 14RD/LG
8	K131 18BR/WT
9	A93 12RD/BK
10	K104 18BK/LB
11	G7 18WT/OR



C 126
(DIESEL)

C126 (DIESEL) - GRAY (ENGINE SIDE)

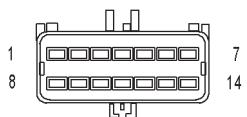
CAV	CIRCUIT
1	K20 18DG
2	V37 18RD/LG (M/T)
3	T125 18DB
4	D20 18DG
5	D21 18PK/DB
6	D1 18VT/BR
7	D2 18WT/BK
8	G85 18OR/BK
9	C22 18DB
10	K24 18GY/BK
11	V32 18YL/BK
12	Z12 18BK/TN
13	S21 18YL/BK
14	S22 18OR/BK



C 126
(DIESEL)

C126 (DIESEL) - GRAY (TRANSMISSION SIDE)

CAV	CIRCUIT
1	K20 18DG
2	V37 18RD/LG (A/T)
2	Z12 18BK/TN (M/T)
3	T125 18DB
4	D20 18DG
5	D21 18PK/DB
6	D1 18VT/BR
7	D2 18WT/BK
8	G85 18OR/BK
9	C22 18DB
10	K24 18GY/BK
11	V40 18WT/PK
12	Z12 18BK/TN
13	S21 18YL/BK
14	S22 18OR/BK



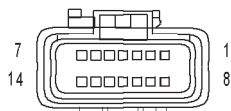
C 129

C129 - (CHASSIS HARNESS SIDE)

CAV	CIRCUIT
1	B113 20RD/VT
2	B114 20WT/VT
3	Z13 12BK
4	B40 12LB
5	K4 20BK/LB
6	K226 20DB/WT
7	L7 16BK/YL
8	L50 18WT/TN
9	L76 12BK/OR
10	L63 16DG/RD

C129 - (CHASSIS HARNESS SIDE)

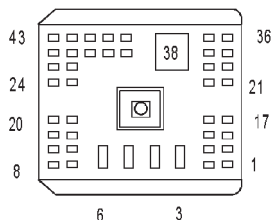
CAV	CIRCUIT
11	L1 18VT/BK
12	A6 12RD/OR
13	L62 16BR/RD
14	A61 16DG/BK



C 129

C129 - (HEADLAMP AND DASH SIDE)

CAV	CIRCUIT
1	B113 20RD/VT
2	B114 20WT/VT
3	Z13 12BK
4	B40 12LB
5	K4 20BK/LB
6	K226 20DB/WT
7	L7 16BK/YL
8	L50 18WT/TN
9	L76 12BK/RD
10	L63 16DG/RD
11	L1 18VT/BK
12	A6 12RD/OR
13	L62 16BR/RD
14	A61 16DG/BK (GAS)

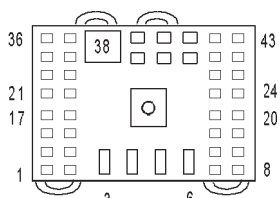

C 130
(DIESEL)

C130 (DIESEL) - (TRANSMISSION SIDE)

CAV	CIRCUIT
1	V35 18LG/RD
2	V32 18YL/RD
3	A14 14RD/WT
4	A142 14DG/OR
5	A40 14RD/LG
6	A93 12RD/BK
7	K118 18PK/YL
8	L1 18VT/BK
9	K131 18BR/WT
10	G85 18OR/BK
11	V40 18WT/PK
12	L10 18BR/LG
13	D1 18VT/BR
14	K51 18DB/YL
15	C13 18DB/OR
16	D20 18DG
17	D2 18WT/BK
18	K4 20BK/LB (A/T)
18	K4 18BK/LB (M/T)
19	C90 18LG/WT
20	D21 18PK/DB
21	C3 18DB/BK
22	V37 18RD/LG

C130 (DIESEL) - (TRANSMISSION SIDE)

CAV	CIRCUIT
23	K226 18DB/WT
24	V36 18TN/RD
26	T41 20BK/WT (A/T)
26	Z12 18BK/TN (M/T)
27	-
28	F18 18LG/BK
29	K30 18PK (A/T)
30	K4 18BK/LB (A/T)
30	K104 18BK/LB (M/T)
31	T16 18RD
32	D220 18WT/VT
33	G7 18WT/OR(A/T)
34	T6 18OR/WT
35	T125 18DB
36	S21 18YL/BK
37	S22 18OR/BK
39	Z12 18BK/TN (M/T)
40	Z12 18BK/TN (A/T)
40	V30 20DB/RD (A/T)
41	V30 20DB/RD
42	-
43	Z12 18BK/TN

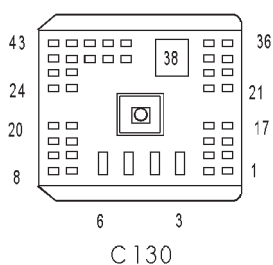

C130
(DIESEL)
(IN PDC)

C130 (DIESEL) (IN PDC) - (HEADLAMP AND DASH SIDE)

CAV	CIRCUIT
1	V35 20LG/RD
2	V32 20YL/RD
3	A14 16RD/WT
4	A142 14DG/OR
5	A40 14RD/LG
6	A93 12RD/BK
7	K118 20PK/YL
8	L1 18VT/BK
9	K131 20BR/WT
10	G85 22OR/BK
11	V40 22WT/PK
12	L10 18BR/LG
13	D1 20VT/BR
14	K51 20DB/YL
15	C13 22DB/OR
16	D20 20DG
17	D2 20WT/BK
18	K4 22BK/LB
19	C90 22LG/WT
20	D21 20PK/DB
21	C3 22DB/BK
22	V37 22RD/LG
23	K226 20DB/WT
24	V36 20TN/RD
26	T41 22BK/WT

C130 (DIESEL) (IN PDC) - (HEADLAMP AND DASH SIDE)

CAV	CIRCUIT
27	-
28	F18 20LG/BK
29	K30 22PK
30	A341 20DG/YL
31	T16 18RD
32	D220 20WT/VT
33	G7 20WT/OR
34	T6 22OR/WT
35	T125 18DB
36	S21 18YL/BK
37	S22 18OR/BK
39	Z12 18BK/TN
40	V30 20DB/RD
41	V30 20DB/RD
42	K52 18PK/WT
43	Z12 18BK/TN

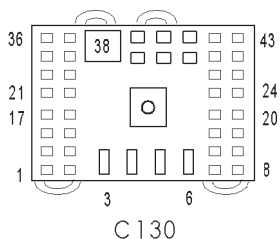


C130 (GAS) - (ENGINE HARNESS SIDE)

CAV	CIRCUIT
1	V35 18LG/RD
2	V32 18YL/RD
3	A14 16RD/WT
4	A142 14DG/OR
5	-
6	-
7	K118 18PK/YL
8	L1 18VT/BK
9	-
10	-
11	V40 18WT/PK
12	L10 18BR/LG
12	L10 18BR/LG
13	D1 18VT/BR
14	K51 18DB/YL
15	C13 18DB/OR
16	D20 18DG
17	D2 18WT/BK
18	K4 20BK/LB
19	C90 18LG/WT
20	D21 18PK/DB
21	K106 18WT/DG
22	K107 18OR
23	-
24	Z12 18BK/TN
25	Y128 18DG/GY(8.0L)
26	K145 20DG/PK(CALIFORNIA)
27	K52 18PK/WT
28	A141 18DG/WT(EXCEPT CALIFORNIA)
29	K30 18PK(A/T
30	A341 18DG/YL(CALIFORNIA)

C130 (GAS) - (ENGINE HARNESS SIDE)

CAV	CIRCUIT
31	T16 18RD(A/T)
32	-
33	G7 18WT/OR
34	T6 18OR/WT(A/T)
35	T125 18DB(A/T)
36	Y193 18WT/LG
37	T41 20BK/WT
37	Z11 20BK/WT(M/T)
38	K31 18BR/WT
39	F18 18LG/BK
40	C3 18DB/BK
41	V37 18RD/LG
42	K226 18DB/WT(EXCEPT 8.0L,A/T)
43	V36 18TN/RD

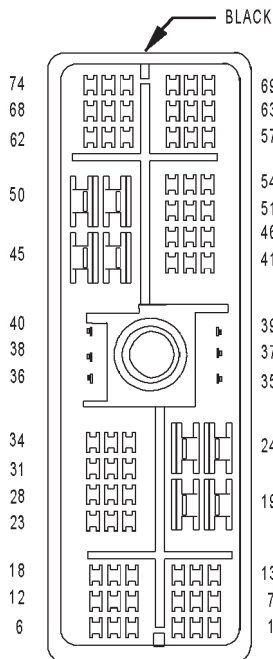


C130 (GAS) (IN PDC) - (HEADLAMP AND DASH SIDE)

CAV	CIRCUIT
1	V35 20LG/RD
2	V32 20YL/RD
3	A14 16RD/WT
4	A142 14DG/OR
5	-
6	-
7	K118 20PK/YL
8	L1 18VT/BK
9	-
10	-
11	V40 22WT/PK
12	L10 18BR/LG
12	L10 18BR/LG
13	D1 20VT/BR
14	K51 20DB/YL
15	C13 22DB/OR
16	D20 20DG
17	D2 20WT/BK
18	K4 22BK/LB
19	C90 22LG/WT
20	D21 20PK/DB
21	K106 18WT/DG
22	K107 18OR
23	-
24	Z12 18BK/TN
25	Y128 18DG/GY(8.0L)
26	K145 20DG/PK(CALIFORNIA)
27	K52 18PK/WT
28	A141 20DG/WT (EXCEPT CALIFORNIA)
29	K30 22PK (A/T)
30	A341 20DG/YL (CALIFORNIA)
31	T16 18RD
32	-

C130 (GAS) (IN PDC) - (HEADLAMP AND DASH SIDE)

CAV	CIRCUIT
33	G7 20WT/OR
34	T6 22OR/WT (A/T)
35	T125 18DB (A/T)
36	Y193 18WT/LG
37	T41 22BK/WT
38	K31 20BR/WT
39	F18 20LG/BK
40	C3 22DB/BK
41	V37 22RD/LG
42	K226 20DB/WT
43	V36 20TN/RD



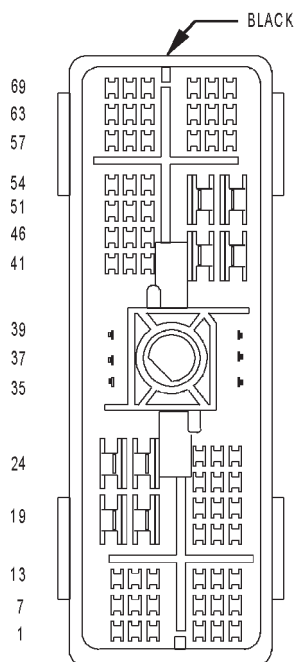
C134

C134 - BLACK (HEADLAMP AND DASH SIDE)

CAV	CIRCUIT
1	-
2	V10 16BR
3	G34 20RD/GY
3	G34 20RD/GY
4	-
5	Z3 18BK/OR
6	G29 18BK/WT
7	-
8	L10 18BR/LG
9	-
10	A2 14PK/BK
11	C1 12DG
12	-
13	A1 10RD
14	V5 16DG
15	V49 16RD/BK
16	L4 18 VT/WT
17	Z5 18BK/DB
18	Z9 16BK/WT(EXCEPT BASE/SLT)
19	-
20	F15 22DB
21	-
22	G11 20WT/LG
23	L35 20BR/YL
24	L39 20LB
25	X3 22BK/RD
26	V37 22RD/LG
27	K4 22BK/LB(GAS)
27	K104 18BK/LB(DIESEL)
28	T6 22OR/WT
29	-
30	-
31	-
32	D2 20WT/BK
33	D1 20VT/BR
34	L3 18RD/OR

C134 - BLACK (HEADLAMP AND DASH SIDE)

CAV	CIRCUIT
35	D1 20VT/BR
36	D2 20WT/BK
37	-
38	-
39	F12 20DB/WT
40	G107 20GY
41	-
42	L50 18WT/TN
42	L50 18WT/TN
43	G85 22OR/BK(DIESEL)
44	-
45	L63 16DG/RD
46	L62 16BR/RD
47	V40 22WT/PK
48	V32 20YL/RD
49	V30 20DB/RD
50	C90 22LG/WT
51	V18 22YL/DG
52	-
53	G50 22RD/DB
54	Z6 18BK/PK
55	-
56	A41 14YL
57	-
58	Z2 16 BK/LG
59	V3 16BR/WT
60	V4 16RD/YL
61	F33 16PK/RD
62	F32 16PK/DB
63	A12 16RD/TN
64	-
65	L7 18BK/YL
66	-
67	-
68	D220 20WT/VT(DIESEL)
69	D21 20PK/DB
70	Z12 18BK/TN
71	-
72	D20 20DG



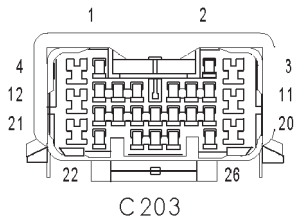
C 134

C134 - BLACK (I/P HARNESS SIDE)

CAV	CIRCUIT
1	-
2	V10 16BR
3	G34 16RD/GY
4	-
5	Z3 18BK/OR
6	G29 22BK/WT
7	-
8	L10 18BR/LG
9	-
10	A2 14PK/BK
11	C1 12DG
12	-
13	A1 10RD
14	V5 16DG
15	V49 16RD/BK
16	L4 18VT/WT
17	Z5 18BK/DB
18	Z9 16BK/VT(EXCEPT LOWLINE & BASE)
19	-
20	F15 22DB
21	-
22	G11 22WT/LG
23	L35 22BR/YL(EXCEPT BASE)
24	L39 22LB
25	X3 20BK/RD
26	V37 22RD/LB
27	K4 22BK/LG
28	T6 22OR/WT
29	-
30	-
31	-
32	D2 20WT/BK
33	D1 20VT/BR
34	L3 14RD/OR
35	D1 20VT/BR
36	D2 20WT/BK
37	-
38	-
39	F12 22DB/WT
40	G107 22GY
41	-
42	L50 18WT/TN
43	G85 22OR/BK
44	-
45	L63 16DG/RD
46	L62 16BR/RD
47	V40 22WT/PK
48	V32 22YL/RD
49	V30 22DB/RD
50	C90 22LG/WT
51	V18 22YL/DG
52	-
53	G50 22RD/DB

C134 - BLACK (I/P HARNESS SIDE)

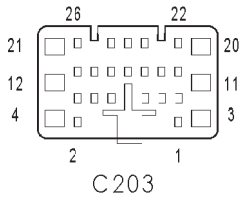
CAV	CIRCUIT
54	Z6 18BK/PK
55	-
56	A41 14YL
57	-
58	Z2 16BK/LG
59	V3 16BR/WT
60	V4 16RD/YL
61	F33 16PK/RD
62	F32 16PK/DB
63	A12 16RD/TN
64	-
65	L7 16BK/YL
66	-
67	-
68	D220 20WT/VT
69	D21 20PK/DB
70	Z12 18BK/TN
71	-
72	D20 20DG


C 203 (BODY SIDE)

CAV	CIRCUIT
1	X57 18BR/LB
1	X57 18BR/LB
2	X58 18DB/OR
2	X58 18DB/OR
3	F37 16RD/LB
3	F37 16RD/LB(4 DOOR)
4	F21 14TN
5	M1 20PK
6	X51 18BR/YL
6	X51 18BR/YL
7	X52 18DB/WT
7	X52 18DB/WT
8	M2 20YL
9	G10 20LG/RD
9	G10 20LG/RD(4 DOOR)
10	M22 20WT
10	P30 22OR/DG
11	L50 18WT/TN
12	X13 16BK/RD
13	M3 20 PK/DB
14	C16 20LB/YL
15	G16 18BK/LB
16	P33 20OR/BK
17	G73 20LG/OR
18	G75 18TN
18	G75 18TN
19	F35 18RD
20	Z9 16BK/VT
21	X54 18VT

C 203 (BODY SIDE)

CAV	CIRCUIT
22	P34 20PK/BK
23	P31 22PK/DG
24	X55 18BR/RD
25	X53 18DG
26	X56 18DB/RD

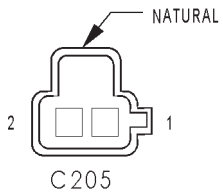


C203 - (I/P HARNESS SIDE)

CAV	CIRCUIT
1	X57 18BR/LB
1	X57 18BR/LB
2	X58 18DB/OR
2	X58 18DB/OR
3	F37 16RD/LB
3	F37 16RD/LB
4	F21 14TN (POWER LOCK/WINDOW)
4	F21 14TN
5	M1 20PK
5	M1 22PK
6	X51 18BR/YL
6	X51 18BR/YL
7	X52 18DB/WT
7	X52 18DB/WT
8	M2 22YL
8	M2 20YL
9	G10 22LG/RD
9	G10 20LG/RD
10	M22 22WT (IEM)
10	P30 22OR/DG (CTM)
10	M22 20WT (IEM)
11	L50 18WT/TN
11	L50 18WT/TN
12	X13 16BK/RD (PREMIUM RADIO)
12	X13 16BK/RD (PREMIUM RADIO)
13	M3 20PK/DB
13	M3 22PK/DB
14	C16 22LB/YL
14	C16 20LB/YL
15	G16 18BK/LB (CTM)
15	G16 22BK/LB (EXCEPT MIDLINE/BASE)
16	P33 20OR/BK (POWER LOCK/WINDOW (CTM))
16	P33 22OR/BK (CTM)
17	G73 22LG/OR
17	G73 20LG/OR (CTM)
18	G75 22TN (EXCEPT MIDLINE/BASE)
18	G75 18TN
18	G75 22TN
19	F35 18RD
19	F35 18RD (POWER LOCK/WINDOW)
20	Z9 16BK/VT (EXCEPT BASE/LOWLINE (CTM))
20	Z9 16BK/VT (PREMIUM RADIO)

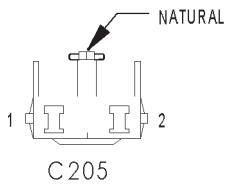
C203 - (I/P HARNESS SIDE)

CAV	CIRCUIT
21	X54 18VT
21	X54 18VT
22	P34 22PK/BK (CTM)
22	P34 20PK/BK (POWER LOCK/WINDOW (CTM))
23	P31 22PK/DG (CTM)
23	P31 22PK/DG (CTM)
24	X55 18BR/RD
24	X55 18BR/RD
25	X53 18DG
25	X53 18DG
26	X56 18DB/RD
26	X56 18DB/RD



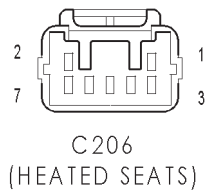
C205 - NATURAL (ASH RECEIVER LAMP SIDE)

CAV	CIRCUIT
1	E2 22OR
2	Z3 20BK/OR



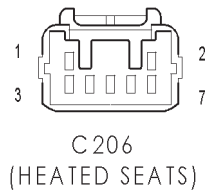
C205 - NATURAL (I/P SIDE)

CAV	CIRCUIT
1	E2 22OR
2	Z3 22BK/OR



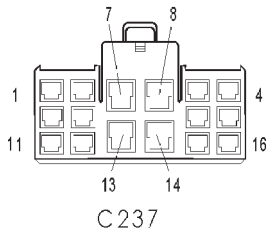
C206 (HEATED SEATS) - (BODY SIDE)

CAV	CIRCUIT
1	P137 20DG
2	P7 20LB/BK
3	P140 20VT/BK
4	P138 20VT/LG
5	P139 20WT
6	F235 16RD
7	P8 20LB/WT



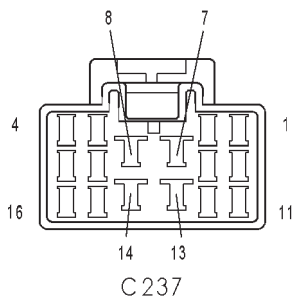
C206 (HEATED SEATS) - (I/P SIDE)

CAV	CIRCUIT
1	P137 20DG
2	P7 20LB/BK
3	P140 20VT/BK
4	P138 20VT/LG
5	P139 20WT
6	F235 16RD
7	P8 20LB/WT



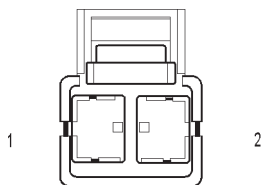
C237 - (I/P SIDE)

CAV	CIRCUIT
1	C5 16LG
2	Z2 22BK/LG
3	-
4	-
5	-
6	C82 22YL/OR
7	-
8	C7 12BK/TN
9	-
10	-
11	C4 16TN
12	F15 22DB
13	-
14	C6 14LB



C237 - (RESISTOR BLOCK SIDE)

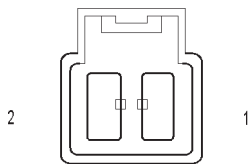
CAV	CIRCUIT
1	C5 16LG
2	Z2 20BK/LG
3	-
4	-
5	-
6	C82 20YL/OR
7	-
8	C7 12BK/TN
9	-
10	-
11	C4 16TN
12	F15 20DB
13	-
14	C6 14LB



C 303

C303 - (BODY HARNESS SIDE)

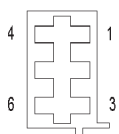
CAV	CIRCUIT
1	Z2 16BK/LG
2	F37 16RD/LB



C 303

C303 - (POWER SEAT HARNESS SIDE)

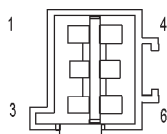
CAV	CIRCUIT
1	Z3 14BK/OR
2	F37 14RD/LB



C 308

C308 - (BODY HARNESS SIDE)

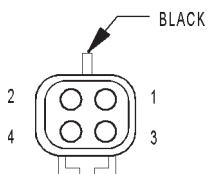
CAV	CIRCUIT
1	L50 18WT/TN
2	Z2 20BK/LG
3	M1 20PK
4	M3 20PK/DB
5	-
6	-



C 308

C308 - (CHMSL HARNESS SIDE)

CAV	CIRCUIT
1	L50 18WT/TN
1	L50 18WT/TN
2	Z3 18BK/OR
2	Z3 18BK/OR
3	M1 18PK
3	M1 18PK
4	M3 18PK/DB
4	M3 18PK/DB
5	-
6	-

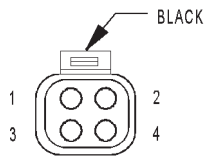


C 329

(CLUB CAB)

C329 (CLUB CAB) - BLACK (CHASSIS HARNESS SIDE)

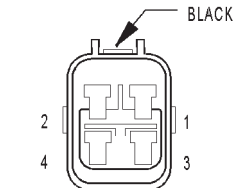
CAV	CIRCUIT
1	L7 18BK/YL
2	Z13 16BK
3	L62 18DG/BR
4	L1 18VT/BK



C329
(CLUB CAB)

C329 (CLUB CAB) - BLACK (RIGHT BACK-UP
LAMP SIDE)

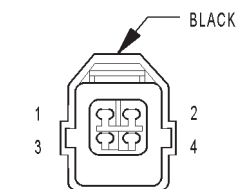
CAV	CIRCUIT
1	L7 16BK/YL
2	Z13 16BK
3	L62 16BR/RD
4	L1 18VT/BK



C329
(STANDARD CAB)

C329 (STANDARD CAB) - BLACK (CHASSIS
SIDE)

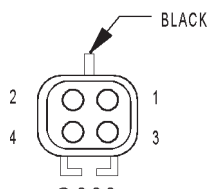
CAV	CIRCUIT
1	L7 16BK/YL
2	Z13 16BK
3	L62 16BR/RD
4	L1 18VT/BK



C329
(STANDARD CAB)

C329 (STANDARD CAB) - BLACK (TAIL LAMP
SIDE)

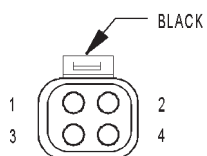
CAV	CIRCUIT
1	L7 18BK/YL
2	Z13 16BK
3	L62 18DG/BR
4	L1 18VT/BK



C333
(CLUB CAB)

C333 (CLUB CAB) - BLACK (CHASSIS HARNESS
SIDE)

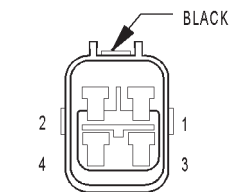
CAV	CIRCUIT
1	L7 18BK/YL
2	Z13 16BK
3	L63 18DG/RD
4	L1 18VT/BK



C333
(CLUB CAB)

C333 (CLUB CAB) - BLACK (LEFT BACK-UP
LAMP SIDE)

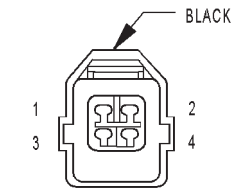
CAV	CIRCUIT
1	L7 16BK/YL
2	Z13 16BK
3	L63 16BR/RD
4	L1 18VT/BK



C 333
(STANDARD CAB)

C333 (STANDARD CAB) - BLACK (CHASSIS SIDE)

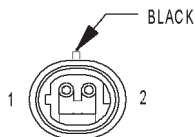
CAV	CIRCUIT
1	L7 16BK/YL
2	Z13 16BK
3	L63 16DG/BR
4	L1 18VT/BK



C 333
(STANDARD CAB)

C333 (STANDARD CAB) - BLACK (TAIL LAMP SIDE)

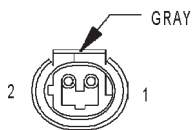
CAV	CIRCUIT
1	L7 18BK/YL
2	Z13 16BK
3	L63 18DG/BR
4	L1 18VT/BK



C 342

C342 - BLACK (CHASSIS HARNESS SIDE)

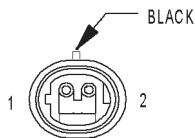
CAV	CIRCUIT
1	Z13 18BK
2	L7 16BK/YL



C 342

C342 - GRAY (VALANCE LICENSE LAMP JUMPER SIDE)

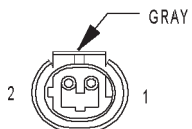
CAV	CIRCUIT
1	Z13 18BK
2	L7 18BK/YL



C 343

C343 - BLACK (LICENSE LAMP SIDE)

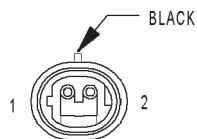
CAV	CIRCUIT
1	Z13 18BK
2	L7 16BK/YL



C 343

C343 - GRAY (FENDER LAMP SIDE)

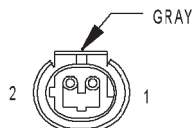
CAV	CIRCUIT
1	Z13 18BK
2	L7 18BK/YL



C 344
(DUAL REAR WHEELS)

C344 (DUAL REAR WHEELS) - BLACK (FENDER LAMPS SIDE)

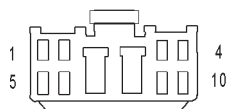
CAV	CIRCUIT
1	Z13 18BK
2	L7 18BK/YL



C 344
(DUAL REAR WHEELS)

C344 (STANDARD CAB) - GRAY (LICENSE LAMP SIDE)

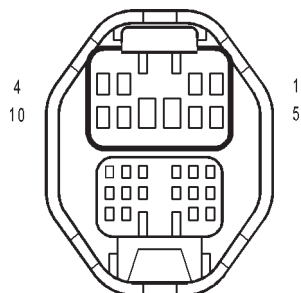
CAV	CIRCUIT
1	Z13 18BK
2	L7 18BK/YL



C 345

C345 - (BODY HARNESS SIDE)

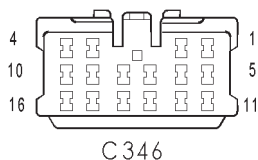
CAV	CIRCUIT
1	C16 20LB/YL
2	P70 22WT
3	P72 22YL/BK
4	X54 18VT
5	X56 18DB/RD
6	P74 22DB
7	F21 14TN (POWER LOCKS/ WINDOWS)
8	Z2 14BK/LG
9	Z9 16BK/VT (PREMIUM RADIO)
10	P34 18PK/BK (IEM, POWER LOCKS/ WINDOWS)
10	P31 22PK/DG (CTM)



C 345

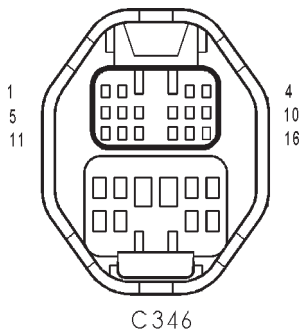
C345 - (RIGHT DOOR HARNESS SIDE)

CAV	CIRCUIT
1	C16 20LB/YL (SLT)
2	P70 20WT (SLT)
3	P72 20YL/BK (SLT)
4	X54 20VT (STANDARD RADIO)
4	X54 18VT (PREMIUM RADIO)
5	X56 20DB/RD (STANDARD RADIO)
5	X56 18DB/RD (PREMIUM RADIO)
6	P74 20DB (SLT)
7	F21 14TN (SLT)
8	Z2 20BK/LG (MIDLINE)
8	Z2 14BK/LG (SLT)
9	Z9 16BK/VT (PREMIUM RADIO)
10	P31 18PK/DG (POWER LOCKS/WINDOWS)



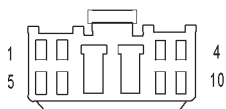
C346 - (BODY HARNESS SIDE)

CAV	CIRCUIT
1	P33 18OR/BK (POWER LOCKS/WINDOWS)
2	Q26 14VT/WT
3	Q16 14BR/WT
4	F35 18RD (POWER LOCKS/WINDOWS)
5	P34 18PK/BK (POWER LOCKS/WINDOWS)
6	P33 18OR/BK (IEM, POWER LOCKS/WINDOWS)
6	P30 22OR/DG (CTM)
7	G73 20LG/OR (CTM)
8	P36 18PK/VT
9	P35 18OR/VT
10	X82 20LB/RD
11	X94 18TN/VT (PREMIUM RADIO)
12	X92 18TN/BK (PREMIUM RADIO)
13	X58 18DB/OR (PREMIUM RADIO)
14	X52 18DB/WT (PREMIUM RADIO)
15	X80 20LB/BK
16	X13 16BK/RD (PREMIUM RADIO)



C346 - (RIGHT DOOR HARNESS SIDE)

CAV	CIRCUIT
1	P33 18OR/BK
2	Q26 14VT/WT
3	Q16 14BR/WT
4	F35 18RD
5	P34 18PK/BK
6	P30 18OR/DG
7	G73 20LG/OR
8	P36 18PK/VT
9	P35 18OR/VT
10	X82 20LB/RD
11	X94 18TN/VT (PREMIUM RADIO)
12	X92 18TN/BK (PREMIUM RADIO)
13	X58 18DB/OR (PREMIUM RADIO)
14	X52 18DB/WT (PREMIUM RADIO)
15	X80 20LB/BK
16	X13 16BK/RD (PREMIUM RADIO)



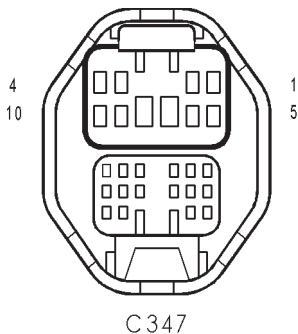
C347 - (BODY HARNESS SIDE)

CAV	CIRCUIT
1	C16 20LB/YL
2	P70 22WT
3	P72 22YL/BK
4	X53 18DG

C347

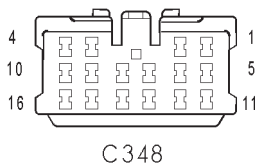
C347 - (BODY HARNESS SIDE)

CAV	CIRCUIT
5	X55 18BR/RD
6	P74 22DB
7	F21 14TN (POWER LOCKS/WINDOWS)
8	Z2 14BK/LG
9	M1 20PK
10	Z9 16BK/VT (PREMIUM RADIO)



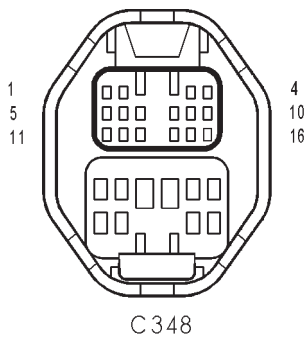
C347 - (LEFT DOOR HARNESS SIDE)

CAV	CIRCUIT
1	C16 20LB/YL
2	P70 22WT
3	P72 22YL/BK
4	X53 20DG (STANDARD RADIO)
4	X53 18DG (PREMIUM RADIO)
5	X55 20BR/RD (STANDARD RADIO)
5	X55 18BR/RD (PREMIUM RADIO)
6	P74 22DB
7	F21 14TN (EXCEPT BASE)
8	Z2 14BK/LG (EXCEPT BASE)
9	M1 22PK
10	Z9 16BK/VT (PREMIUM RADIO)



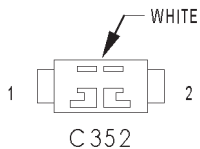
C348 - (BODY HARNESS SIDE)

CAV	CIRCUIT
1	P33 20OR/BK (POWER LOCKS/WINDOWS)
2	Q26 14VT/WT
3	Q16 14BR/WT
4	F35 20RD (POWER LOCKS/WINDOWS)
5	P34 20PK/BK (POWER LOCKS/WINDOWS)
6	Z2 18BK/LG (IEM)
7	G73 20LG/OR (CTM)
8	P36 18PK/VT
9	P35 18OR/VT
10	X83 20YL/RD
11	X93 18WT/VT (PREMIUM RADIO)
12	X91 18WT/DG (PREMIUM RADIO)
13	X57 18BR/LB (PREMIUM RADIO)
14	X51 18BR/YL (PREMIUM RADIO)
15	X81 20YL/BK
16	X13 16BK/RD (PREMIUM RADIO)



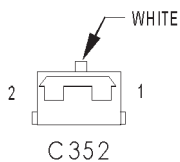
C348 - (LEFT DOOR HARNESS SIDE)

CAV	CIRCUIT
1	P33 20OR/BK
2	Q26 14VT/WT
3	Q16 14BR/WT
4	F35 18RD
5	P34 20PK/BK
6	Z2 18BK/LG (EXCEPT BASE)
7	G73 20LG/OR
8	P36 18PK/VT
9	P35 18OR/VT
10	X83 20YL/RD
11	X93 18WT/VT (PREMIUM RADIO)
12	X91 18WT/DG (PREMIUM RADIO)
13	X57 18BR/LB (PREMIUM RADIO)
14	X51 18BR/YL (PREMIUM RADIO)
15	X81 20YL/BK
16	X13 16BK/RD (PREMIUM RADIO)



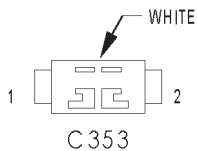
C352 - WHITE (OVERHEAD CONSOLE SIDE)

CAV	CIRCUIT
1	M1 20PK
2	Z3 20BK



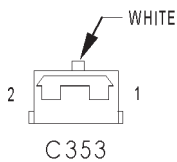
C352 - WHITE (VISOR MIRROR SIDE)

CAV	CIRCUIT
1	M1 20PK
2	Z4 20BK



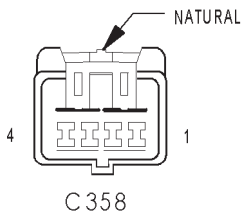
C353 - WHITE (OVERHEAD CONSOLE SIDE)

CAV	CIRCUIT
1	M1 20PK
2	Z3 20BK



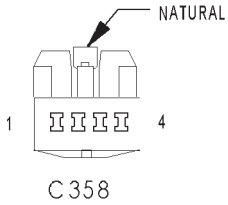
C353 - WHITE (VISOR MIRROR SIDE)

CAV	CIRCUIT
1	M1 20PK
2	Z4 20BK



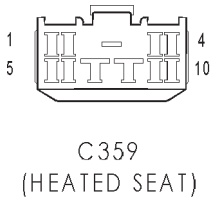
C358 - NATURAL (I/P HARNESS SIDE)

CAV	CIRCUIT
1	D2 20WT/BK
2	D1 20VT/BR
3	-
4	G69 22BK



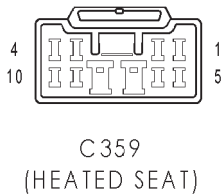
C358 - NATURAL (OVERHEAD CONSOLE SIDE)

CAV	CIRCUIT
1	D2 20WT/BK
2	D1 20VT/BR
2	-
4	G69 22BK



C359 (HEATED SEAT) - (BODY SIDE)

CAV	CIRCUIT
1	P7 20LB/BK
2	P137 20DG
3	P8 20LB/WT
4	F235 16RD
5	P139 20WT
6	P138 20VT/LG
7	Z2 16BK/LG
8	F37 16RD/LB
9	G10 20LG/RD
10	P140 20VT/BK



C359 (HEATED SEAT) - (POWER SEAT SIDE)

CAV	CIRCUIT
1	P7 20LB/BK
2	P137 20DG
3	P8 20LB/WT
4	F235 16RD
5	P139 20WT
6	P138 20VT/LG
7	Z2 16BK/LG
8	F37 16RD/LB
9	G10 22LG/RD
10	P140 20VT/BK



C360
(CLUB CAB)

C360 (CLUB CAB) - (BODY HARNESS SIDE)

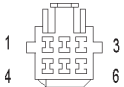
CAV	CIRCUIT
1	Z2 16BK/LG
2	F37 16RD/LB (POWER SEAT)
3	G10 20LG/RD
4	-



C360
(CLUB CAB)

C360 (CLUB CAB) - (HEATED SEAT HARNESS SIDE)

CAV	CIRCUIT
1	Z2 16BK/LG (POWER SEAT)
1	Z2 20BK/LG (MANUAL SEAT)
2	F37 16RD/LB (POWER SEAT)
3	G10 20LG/RD (NON-HEATED SEAT)
4	-



C361

C361 - (BODY HARNESS SIDE)

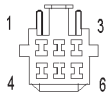
CAV	CIRCUIT
1	-
2	X91 18WT/DG (PREMIUM RADIO)
2	X57 18BR/LB (STANDARD RADIO)
3	X93 18WT/VT (PREMIUM RADIO)
3	X51 18BR/YL (STANDARD RADIO)
4	-
5	-
6	-



C361

C361 - (REAR DOOR HARNESS SIDE)

CAV	CIRCUIT
1	-
2	X57 18BR/LB
3	X51 18BR/YL
4	-
5	-
6	-



C364

C364 - (BODY HARNESS SIDE)

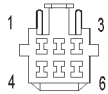
CAV	CIRCUIT
1	-
2	X92 18TN/BK (PREMIUM RADIO)
2	X58 18DB/OR (STANDARD RADIO)
3	X94 18TN/V/T (PREMIUM RADIO)
3	X52 18DB/WT (STANDARD RADIO)
4	-
5	-
6	-



C364

C364 - (RIGHT REAR DOOR HARNESS SIDE)

CAV	CIRCUIT
1	-
2	X58 18DB/OR
3	X52 18DB/WT
4	-
5	-
6	-


C365
(HEATED SEAT)

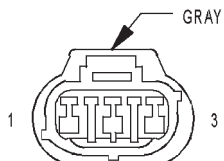
C365 (HEATED SEAT) - (DRIVER SEAT SIDE)

CAV	CIRCUIT
1	Z2 16BK/LG
2	P130 16TN
3	F37 16RD/LB
4	P142 22DB
5	P144 20BK/WT
6	-


C365
(HEATED SEAT)

C365 (HEATED SEAT) - (PASSENGER SEAT
SIDE)

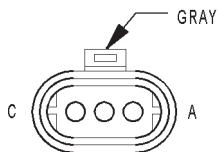
CAV	CIRCUIT
1	Z2 16BK/LG
2	P130 16TN
3	F37 16RD/LB
4	P142 20DB
5	P144 20BK/WT
6	-



CAMSHAFT
POSITION
SENSOR
(8.0L GAS)

CAMSHAFT POSITION SENSOR (8.0L GAS) - GRAY 3 WAY

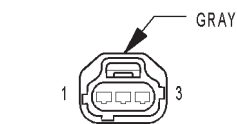
CAV	CIRCUIT	FUNCTION
1	K44 18TN/YL	CAMSHAFT POSITION SENSOR SIGNAL
2	K4 20BK/LB	SENSOR GROUND
3	K6 20VT/WT	5V SUPPLY



CRANKSHAFT
POSITION
SENSOR
(DIESEL)

CRANKSHAFT POSITION SENSOR (DIESEL) - GRAY 3 WAY

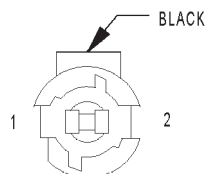
CAV	CIRCUIT	FUNCTION
A	K6 18VT/WT	5V SUPPLY
B	K14 18BK/DB	SENSOR GROUND
C	K124 18GY	CAMSHAFT POSITION SENSOR SIGNAL



CAMSHAFT
POSITION
SENSOR
(GAS EXCEPT 8.0L)

CAMSHAFT POSITION SENSOR (GAS EXCEPT 8.0L) - GRAY 3 WAY

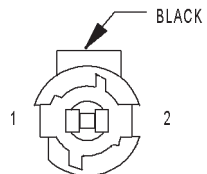
CAV	CIRCUIT	FUNCTION
1	K44 18TN/YL	CAMSHAFT POSITION SENSOR SIGNAL
2	K4 20BK/LB	SENSOR GROUND
3	K6 20VT/WT	5V SUPPLY



CARGO LAMP
NO. 1

CARGO LAMP NO. 1 - BLACK 2 WAY

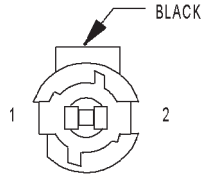
CAV	CIRCUIT	FUNCTION
1	M1 18PK	FUSED B(+)
2	M3 18PK/DB	CARGO LAMP DRIVER



CARGO LAMP
NO. 2

CARGO LAMP NO. 2 - BLACK 2 WAY

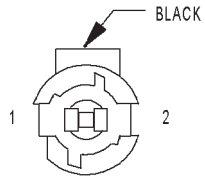
CAV	CIRCUIT	FUNCTION
1	M1 18PK	FUSED B(+)
2	M3 18PK/DB	CARGO LAMP DRIVER



CENTER HIGH
MOUNTED STOP
LAMP NO. 1

CENTER HIGH MOUNTED STOP LAMP NO. 1 - BLACK 2 WAY

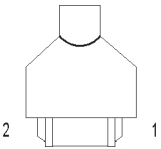
CAV	CIRCUIT	FUNCTION
1	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
2	Z3 18BK/OR	GROUND



CENTER HIGH
MOUNTED STOP
LAMP NO. 2

CENTER HIGH MOUNTED STOP LAMP NO. 2 - BLACK 2 WAY

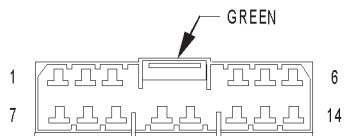
CAV	CIRCUIT	FUNCTION
1	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
2	Z3 18BK/OR	GROUND



CENTER
IDENTIFICATION
LAMP

CENTER IDENTIFICATION LAMP - 2 WAY

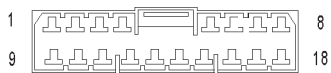
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z4 18BK	GROUND



CENTRAL TIMER
MODULE C1

CENTRAL TIMER MODULE C1 - GREEN 14 WAY

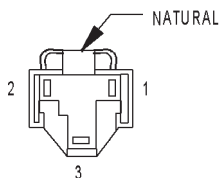
CAV	CIRCUIT	FUNCTION
1	G75 22TN	DRIVER DOOR AJAR SWITCH SENSE
2	G13 22DB/RD	CHIME REQUEST SIGNAL
3	V8 16VT	WIPER SWITCH MODE SENSE
4	V18 22YL/DG	WIPER MOTOR RELAY CONTROL
5	G16 22BK/LB	PASSENGER DOOR AJAR SWITCH SENSE
6	Z2 22BK/LG	GROUND
7	-	-
8	F12 22DB/WT (BASE/MIDLINE)	FUSED IGNITION SWITCH OUTPUT (RUN-START)
8	V6 16DB (CTM)	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
9	G26 22LB	KEY-IN IGNITION SWITCH SENSE
10	V10 16BR	WASHER SWITCH SENSE
11	V5 16DG	WIPER PARK SWITCH SENSE
12	V9 16WT/DB	WIPER SWITCH MODE SIGNAL
13	-	-
14	F35 22RD	FUSED B(+)



CENTRAL TIMER
MODULE C2

CENTRAL TIMER MODULE C2 - 18 WAY

CAV	CIRCUIT	FUNCTION
1	P33 22OR/BK	DOOR LOCK DRIVER
2	M11 22PK/LB	COURTESY LAMP SWITCH OUTPUT
3	Z3 18BK/OR	GROUND
4	P30 22OR/DG	PASSENGER DOOR LOCK SWITCH OUTPUT
5	F12 22DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
6	G50 22RD/DB	SECURITY RELAY CONTROL
7	P132 16OR/BK	HEATED SEAT RELAY CONTROL
8	G69 22BK	VTSS INDICATOR DRIVER
9	P34 22PK/BK	DOOR UNLOCK DRIVER
10	G73 22LG/OR	CYLINDER LOCK SWITCH MUX
11	M22 22WT	DOVE LAMP SWITCH SENSE
12	-	-
13	P31 22PK/DG	PASSENGER DOOR UNLOCK SWITCH OUTPUT
14	X20 22RD/BK	RADIO CONTROL MUX
15	-	-
16	D1 20VT/BR	CCD BUS (+)
17	D2 20WT/BK	CCD BUS (-)
18	X3 20BK/RD	HORN RELAY CONTROL



CIGAR
LIGHTER

CIGAR LIGHTER - NATURAL 3 WAY

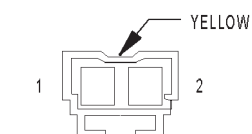
CAV	CIRCUIT	FUNCTION
1	F30 18RD/OR	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
2	-	-
3	Z3 18BK/OR	GROUND



CLOCKSPRING C1

CLOCKSPRING C1 - 5 WAY

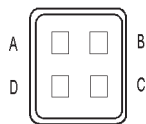
CAV	CIRCUIT	FUNCTION
1	V37 22RD/LG	SPEED CONTROL SWITCH SIGNAL
2	Z9 20BK/VT (HIGHLINE (REMOTE RADIO))	GROUND
3	K4 22BK/LB	SENSOR GROUND
4	X20 22RD/BK (EXCEPT BASE))	RADIO CONTROL MUX
5	X3 20BK/RD	HORN RELAY CONTROL



CLOCKSPRING C2

CLOCKSPRING C2 - YELLOW 2 WAY

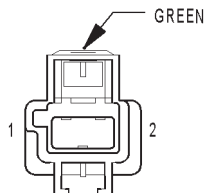
CAV	CIRCUIT	FUNCTION
1	R43 18BK/LB	DRIVER AIRBAG LINE 2
2	R45 18DG/LB	DRIVER AIRBAG LINE 1



CLOCKSPRING C3

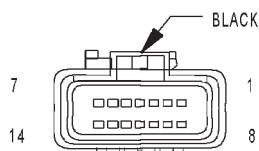
CLOCKSPRING C3 - 4 WAY

CAV	CIRCUIT	FUNCTION
A	V37 22DG/RD	SPEED CONTROL SWITCH SIGNAL
B	Z2 22BK/LG	GROUND
D	X20 22RD/BK	RADIO CONTROL MUX
C	K4 22WT	SENSOR GROUND


CLUTCH PEDAL
POSITION SWITCH
(M/T)

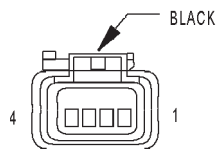
CLUTCH PEDAL POSITION SWITCH (M/T) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	A41 14YL	FUSED IGNITION SWITCH OUTPUT (START)
2	T141 14YL/RD	CLUTCH PEDAL POSITION SWITCH OUTPUT


CONTROLLER
ANTILOCK
BRAKE C1

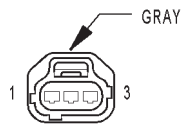
CONTROLLER ANTILOCK BRAKE C1 - BLACK 14 WAY

CAV	CIRCUIT	FUNCTION
1	B113 20RD/VT	REAR WHEEL SPEED SENSOR (+)
2	G107 20GY	4WD SWITCH SENSE
3	D1 20VT/BR	CCD BUS (+)
4	A20 20RD/DB	FUSED IGNITION SWITCH OUTPUT (RUN)
5	-	-
6	Z8 14BK/VT	GROUND
7	A10 14RD/DG	FUSED B(+)
8	B114 20WT/VT	REAR WHEEL SPEED SENSOR (-)
9	V40 20WT/PK	BRAKE SWITCH SENSE
10	D2 20WT/BK	CCD BUS (-)
11	G9 20GY/BK	BRAKE PRESSURE SWITCH SENSE
12	G7 20WT/OR	VEHICLE SPEED SENSOR SIGNAL
13	Z8 14BK/VT	GROUND
14	A10 14RD/DG	FUSED B(+)


CONTROLLER
ANTILOCK
BRAKE C2
(ABS)

CONTROLLER ANTILOCK BRAKE C2 (ABS) - BLACK 4 WAY

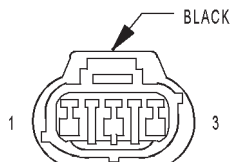
CAV	CIRCUIT	FUNCTION
1	B9 20RD	LEFT FRONT WHEEL SPEED SENSOR (+)
2	B8 20RD/GY	LEFT FRONT WHEEL SPEED SENSOR (-)
3	B6 20WT/DB	RIGHT FRONT WHEEL SPEED SENSOR (-)
4	B7 20WT	RIGHT FRONT WHEEL SPEED SENSOR (+)



CRANKSHAFT
POSITION
SENSOR
(GAS 8.0L)

CRANKSHAFT POSITION SENSOR (GAS 8.0L) - GRAY 3 WAY

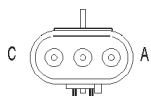
CAV	CIRCUIT	FUNCTION
1	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
2	K4 20BK/LB	SENSOR GROUND
3	K6 20VT/WT	5V SUPPLY



CRANKSHAFT
POSITION SENSOR
(GAS EXCEPT 8.0L)

CRANKSHAFT POSITION SENSOR (GAS EXCEPT 8.0L) - BLACK 3 WAY

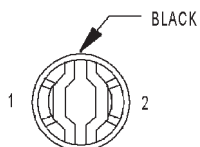
CAV	CIRCUIT	FUNCTION
1	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
2	K4 20BK/LB	SENSOR GROUND
3	K6 20VT/WT	5V SUPPLY



CUMMINS
BUS
(DIESEL)

CUMMINS BUS (DIESEL) - 3 WAY

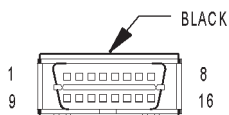
CAV	CIRCUIT	FUNCTION
A	K244 20YL/DB	CUMMINS BUS (+)
B	K246 20YL/DG	CUMMINS BUS (-)
C	Z11 14BK/WT	GROUND



CUP HOLDER
LAMP

CUP HOLDER LAMP - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	E2 22OR	PANEL LAMPS FEED
2	Z3 22BK/OR	GROUND



DATA LINK
CONNECTOR

DATA LINK CONNECTOR - BLACK 16 WAY

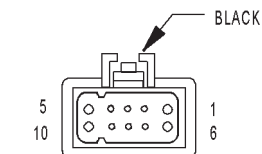
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	D1 18VT/BR	CCD BUS (+)
4	Z2 20BK/LG	GROUND
5	Z12 18BK/TN	GROUND
6	D20 20DG	SCI RECEIVE
7	D21 20PK/DB	SCI TRANSMIT
8	-	-
9	-	-
10	-	-
11	D2 18WT/BK	CCD BUS (-)
12	-	-
13	-	-

DATA LINK CONNECTOR - BLACK 16 WAY

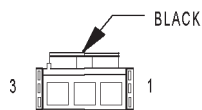
CAV	CIRCUIT	FUNCTION
14	D220 20WT/VT (DIESEL)	SCI RECEIVE (PCM/DSL)
15	-	-
16	M1 20PK	FUSED B(+)

DAYTIME RUNNING LAMP MODULE - BLACK 10 WAY

CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
3	G34 20RD/GY	HIGH BEAM INDICATOR DRIVER
4	G11 20WT/LG	PARK BRAKE SWITCH SENSE
5	-	-
6	L3 18RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
7	Z1 18BK	GROUND
8	L34 20RD/OR	FUSED B(+)
9	L139 20VT	FOG LAMP RELAY CONTROL
10	L4 18VT/WT	DIMMER SWITCH LOW BEAM OUTPUT



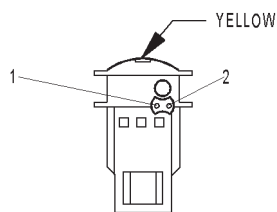
DAYTIME RUNNING LAMP MODULE



DOME LAMP

DOME LAMP - BLACK 3 WAY

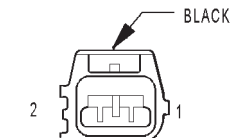
CAV	CIRCUIT	FUNCTION
1	-	-
2	M2 20YL	COURTESY LAMP DRIVER
3	M1 20PK	FUSED B(+)



DRIVER AIRBAG

DRIVER AIRBAG - YELLOW 2 WAY

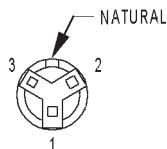
CAV	CIRCUIT	FUNCTION
1	R45 BK	DRIVER AIRBAG LINE 1
2	R43 BK	DRIVER AIRBAG LINE 2



DRIVER CYLINDER LOCK SWITCH

DRIVER CYLINDER LOCK SWITCH - BLACK 2 WAY

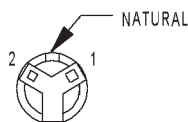
CAV	CIRCUIT	FUNCTION
1	Z2 20BK/LG	GROUND
2	G73 20LG/OR	CYLINDER LOCK SWITCH MUX



DRIVER DOOR AJAR
SWITCH
(BASE)

DRIVER DOOR AJAR SWITCH (BASE) - NATURAL 3 WAY

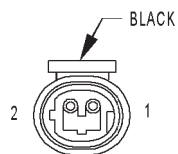
CAV	CIRCUIT	FUNCTION
1	Z2 18BK/LG	GROUND
2	G75 18TN	DRIVER DOOR AJAR SWITCH SENSE
3	M22 18WT	DOME LAMP SWITCH SENSE



DRIVER DOOR AJAR
SWITCH
(PREMIUM)

DRIVER DOOR AJAR SWITCH (PREMIUM) - NATURAL 2 WAY

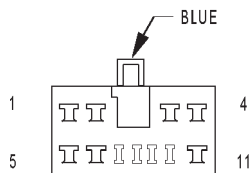
CAV	CIRCUIT	FUNCTION
1	Z2 18BK/LG	GROUND
2	G75 18TN	DRIVER DOOR AJAR SWITCH SENSE



DRIVER DOOR
LOCK MOTOR

DRIVER DOOR LOCK MOTOR - BLACK 2 WAY

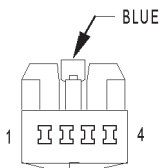
CAV	CIRCUIT	FUNCTION
1	P34 20PK/BK	DOOR UNLOCK DRIVER
2	P33 20OR/BK	DOOR LOCK DRIVER



DRIVER DOOR
WINDOW/LOCK
SWITCH

DRIVER DOOR WINDOW/LOCK SWITCH - BLUE 11 WAY

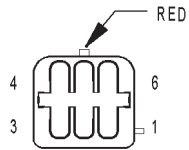
CAV	CIRCUIT	FUNCTION
1	Q16 14BR/WT	MASTER WINDOW SWITCH RIGHT FRONT UP
2	Q26 14VT/WT	MASTER WINDOW SWITCH RIGHT FRONT DOWN
3	Z2 14BK/LG	GROUND
4	Q21 16WT	LEFT FRONT WINDOW DRIVER (DOWN)
5	F21 14TN	FUSED IGNITION SWITCH OUTPUT (RUN)
6	Q11 16LB	LEFT FRONT WINDOW DRIVER (UP)
7	P36 18PK/VT	DRIVER DOOR UNLOCK SWITCH OUTPUT
8	P35 18OR/VT	DRIVER DOOR LOCK SWITCH OUTPUT
9	Z2 18BK/LG	GROUND
10	F35 18RD	FUSED B(+)
11	-	-



DRIVER
HEATED SEAT
CUSHION

DRIVER HEATED SEAT CUSHION - BLUE 4 WAY

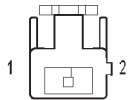
CAV	CIRCUIT	FUNCTION
1	P131 16RD/DG	LEFT SEAT HEATER B(+) DRIVER
2	Z2 18BK/LG	GROUND
3	P144 20BK/WT	SEAT TEMPERATURE 5V SUPPLY
4	P141 20TN/LB	LEFT SEAT TEMPERATURE SENSOR INPUT



DRIVER HEATED
SEAT SWITCH

DRIVER HEATED SEAT SWITCH - RED 6 WAY

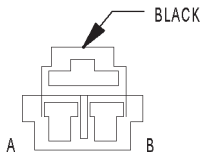
CAV	CIRCUIT	FUNCTION
1	P137 20DG	LEFT SEAT LOW HEAT LED DRIVER
2	E2 22OR	PANEL LAMPS FEED
3	Z3 20BK/OR	GROUND
4	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN)
5	P139 20WT	LEFT SEAT HIGH HEAT LED DRIVER
6	P7 20LB/BK	DRIVER HEATED SEAT SWITCH



DRIVER
LUMBAR MOTOR

DRIVER LUMBAR MOTOR - 2 WAY

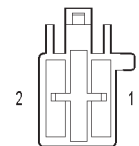
CAV	CIRCUIT	FUNCTION
1	P106 16DG/WT	LUMBAR MOTOR FORWARD
2	P107 16OR/BK	LUMBAR MOTOR REARWARD



DRIVER POWER
SEAT FRONT
VERTICAL MOTOR
(CLUB CAB)

DRIVER POWER SEAT FRONT VERTICAL MOTOR (CLUB CAB) - BLACK 2 WAY

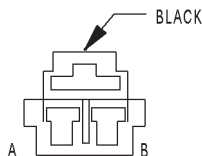
CAV	CIRCUIT	FUNCTION
A	P21 16RD/LG	LEFT POWER SEAT FRONT DOWN
B	P19 16YL/LG	LEFT POWER SEAT FRONT UP



DRIVER POWER
SEAT FRONT
VERTICAL MOTOR
(STANDARD CAB)

DRIVER POWER SEAT FRONT VERTICAL MOTOR (STANDARD CAB) - 2 WAY

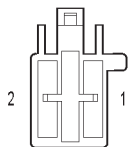
CAV	CIRCUIT	FUNCTION
1	P19 14YL/LG	LEFT SEAT FRONT UP
2	P21 14RD/LG	LEFT SEAT FRONT DOWN



DRIVER POWER
SEAT HORIZONTAL
MOTOR
(CLUB CAB)

DRIVER POWER SEAT HORIZONTAL MOTOR (CLUB CAB) - BLACK - 2 WAY

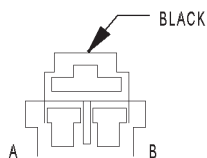
CAV	CIRCUIT	FUNCTION
A	P17 16RD/LB	LEFT SEAT HORIZONTAL REARWARD
B	P15 16YL/LB	LEFT SEAT HORIZONTAL FORWARD



DRIVER POWER
SEAT HORIZONTAL
MOTOR
(STANDARD CAB)

DRIVER POWER SEAT HORIZONTAL MOTOR (STANDARD CAB) - 2 WAY

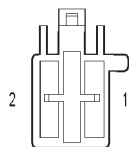
CAV	CIRCUIT	FUNCTION
1	P17 14DB/RD	LEFT SEAT HORIZONTAL REARWARD
2	P15 14YL/LB	LEFT SEAT HORIZONTAL FORWARD



DRIVER POWER
SEAT REAR
VERTICAL MOTOR
(CLUB CAB)

DRIVER POWER SEAT REAR VERTICAL MOTOR (CLUB CAB) - BLACK 2 WAY

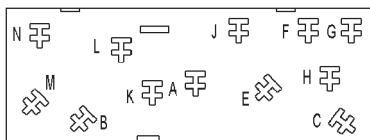
CAV	CIRCUIT	FUNCTION
A	P11 16YL/WT	LEFT SEAT REAR UP
B	P13 16RD/WT	LEFT SEAT REAR DOWN



DRIVER POWER
SEAT REAR
VERTICAL MOTOR
(STANDARD CAB)

DRIVER POWER SEAT REAR VERTICAL MOTOR (STANDARD CAB) - 2 WAY

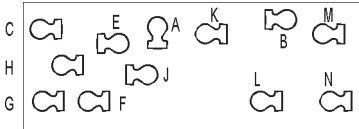
CAV	CIRCUIT	FUNCTION
1	P11 14YL/WT	LEFT SEAT REAR UP
2	P13 14RD/WT	LEFT SEAT REAR DOWN



DRIVER POWER
SEAT SWITCH
(CLUB CAB)

DRIVER POWER SEAT SWITCH (CLUB CAB) - 14 WAY

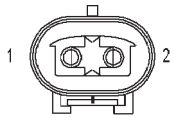
CAV	CIRCUIT	FUNCTION
A	F37 16RD/LB	FUSED B(+)
B	Z2 16BK/LG	GROUND
C	P106 16DG/WT	LUMBAR MOTOR FORWARD
D	-	-
E	P13 16RD/WT	LEFT SEAT REAR DOWN
F	P107 16OR/BK	LUMBAR DRIVER REARWARD
G	Z2 16BK/LG	GROUND
H	F37 16RD/LB	FUSED B(+)
I	-	-
J	P11 16YL/WT	LEFT SEAT REAR UP
K	P17 16RD/LB	LEFT SEAT HORIZONTAL REARWARD
L	P15 16YL/LB	LEFT SEAT HORIZONTAL FORWARD
M	P21 16RD/LG	LEFT SEAT FRONT DOWN
N	P19 16YL/LG	LEFT SEAT FRONT UP



DRIVER POWER
SEAT SWITCH
(STANDARD CAB)

DRIVER POWER SEAT SWITCH (STANDARD CAB) - 14 WAY

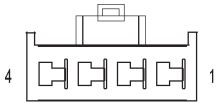
CAV	CIRCUIT	FUNCTION
A	F37 14RD/LB	FUSED B(+)
B	Z3 14BK/OR	GROUND
C	-	-
D	-	-
E	P11 14YL/WT	LEFT SEAT REAR UP
F	-	-
G	-	-
H	-	-
I	-	-
J	P13 14RD/WT	LEFT SEAT REAR DOWN
K	P17 14DB/RD	LEFT SEAT HORIZONTAL REARWARD
L	P15 14YL/LB	LEFT SEAT HORIZONTAL FORWARD
M	P19 14YL/LG	LEFT SEAT FRONT UP
N	P21 14RD/LG	LEFT SEAT FRONT DOWN



DRIVER POWER
WINDOW MOTOR

DRIVER POWER WINDOW MOTOR - 2 WAY

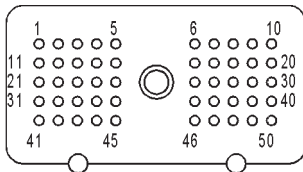
CAV	CIRCUIT	FUNCTION
1	Q11 16LB	LEFT WINDOW DRIVER (UP)
2	Q21 16WT	LEFT FRONT WINDOW DRIVER (DOWN)



ELECTRIC
BRAKE
PROVISION

ELECTRIC BRAKE PROVISION - 4 WAY

CAV	CIRCUIT	FUNCTION
1	A6 12RD/OR	FUSED B(+)
2	B40 12LB	TRAILER TOW BRAKE B(+)
3	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
4	Z3 18BK/OR	GROUND



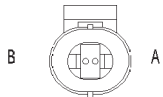
ENGINE CONTROL
MODULE
(DIESEL)

ENGINE CONTROL MODULE (DIESEL) - 50 WAY

CAV	CIRCUIT	FUNCTION
1	H104 18BR/OR	IDLE VALIDATION SWITCH NO. 1
2	K244 20YL/DB	CUMMINS BUS (+)
3	K6 18VT/WT	5V SUPPLY
4	K14 18BK/DB	SENSOR GROUND
5	F18 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
6	G60 18GY/BK	ENGINE OIL PRESSURE SENSOR SIGNAL
7	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL
8	G12 18GY/RD	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
9	-	-
10	K7 18OR	5V SUPPLY
11	K104 18BK/LB	SENSOR GROUND

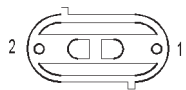
ENGINE CONTROL MODULE (DIESEL) - 50 WAY

CAV	CIRCUIT	FUNCTION
12	K246 20YL/DG	CUMMINS BUS (-)
13	K242 20WT	DATA LINK (+) FUEL INJECTION PUMP
14	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
15	K135 18YL/WT	TRANSFER PUMP SUPPLY
16	H105 18LG/DB	IDLE VALIDATION SWITCH NO. 2
17	K124 18GY	CAMSHAFT POSITION SENSOR SIGNAL
18	K48 18DG	FUEL INJECTION PUMP SYNC SIGNAL
19	-	-
20	-	-
21	K1 18DG/RD	WATER IN FUEL SENSOR SIGNAL
22	V37 18RD/LG	SPEED CONTROL SWITCH SIGNAL
23	K240 20BK	DATA LINK (-) FUEL INJECTOR PUMP
24	V32 18YL/RD	BRAKE SWITCH SENSE
25	H102 18LB/BK	ACCELERATOR PEDAL POSITION SENSOR SIGNAL
26	G113 18OR	PTO SWITCH SENSE
27	-	-
28	K22 18OR/DB	ACCELERATOR PEDAL POSITION SENSOR SIGNAL
29	S21 18YL/BK	AIR INTAKE HEATER RELAY NO. 1
30	Z12 18BK/TN	GROUND
31	H101 18DB/WT	ACCELERATOR PEDAL POSITION SENSOR SUPPLY
32	H103 18BK/YL	ACCELERATOR PEDAL POSITION SENSOR GROUND
33	K45 18LB/RD	FUEL SHUT-OFF SIGNAL
34	K44 18VT/OR	LOW IDLE SELECT
35	K135 18YL/WT	TRANSFER PUMP SUPPLY
36	K131 18BR/WT	FUEL INJECTOR PUMP RELAY CONTROL
37	G85 18OR/BK	WAIT-TO-START WARNING INDICATOR DRIVER
38	D21 18PK/DB	SCI TRANSMIT
39	D20 18DG	SCI RECEIVE
40	D2 18WT/BK	CCD BUS (-)
41	D1 18VT/BR	CCD BUS (+)
42	-	-
43	G7 18WT/OR	VEHICLE SPEED SENSOR SIGNAL
44	K243 20OR/BR	DATA LINK SHIELD FUEL INJECTOR PUMP
45	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
46	-	-
47	S22 18OR/BK	AIR INTAKE HEATER RELAY CONTROL NO. 2
48	A14 18RD/WT	FUSED B(+)
49	Z12 18BK/TN	GROUND
50	A14 18RD/WT	FUSED B(+)


 ENGINE COOLANT
TEMPERATURE
SENSOR
(DIESEL)

ENGINE COOLANT TEMPERATURE SENSOR (DIESEL) - 2 WAY

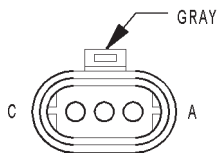
CAV	CIRCUIT	FUNCTION
A	K104 18BK/LB	SENSOR GROUND
B	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL



ENGINE COOLANT
TEMPERATURE
SENSOR
(GAS)

ENGINE COOLANT TEMPERATURE SENSOR (GAS) - 2 WAY

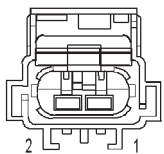
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL



ENGINE OIL
PRESURE
SENSOR
(DIESEL)

ENGINE OIL PRESSURE SENSOR (DIESEL) - GRAY 3 WAY

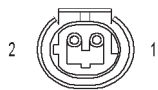
CAV	CIRCUIT	FUNCTION
A	K7 18OR	5V SUPPLY
B	K104 18BK/LB	ENGINE OIL PRESSURE SENSOR RETURN
C	G60 18GY/BK	ENGINE OIL PRESSURE SENSOR SIGNAL



ENGINE OIL
PRESSURE SENSOR
(GAS)

ENGINE OIL PRESSURE SENSOR (GAS) - 2 WAY

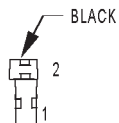
CAV	CIRCUIT	FUNCTION
1	K4 20BK/LB	SENSOR GROUND
2	G60 18GY/OR	ENGINE OIL PRESSURE SENSOR SIGNAL



EVAP/PURGE
SOLENOID

EVAP/PURGE SOLENOID - 2 WAY

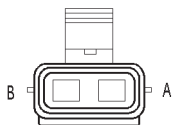
CAV	CIRCUIT	FUNCTION
1	K52 18PK/WT	EVAPORATIVE EMISSION SOLENOID CONTROL
2	F12 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)



WINDSHIELD
WASHER PUMP

WINDSHIELD WASHER PUMP - BLACK 2 WAY

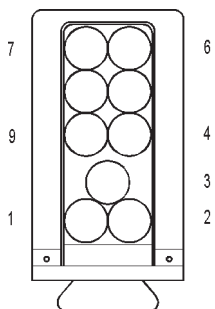
CAV	CIRCUIT	FUNCTION
1	V10 16BR	WASHER SWITCH SENSE
2	Z1 20BK	GROUND



FUEL HEATER
(DIESEL)

FUEL HEATER (DIESEL) - 2 WAY

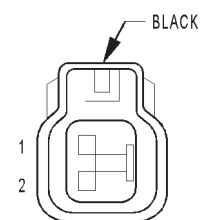
CAV	CIRCUIT	FUNCTION
A	Z11 14BK/TN	GROUND
B	A93 12RD/BK	FUEL HEATER RELAY OUTPUT



FUEL
INJECTION
PUMP
(DIESEL)

FUEL INJECTION PUMP (DIESEL) - 9 WAY

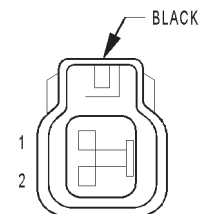
CAV	CIRCUIT	FUNCTION
1	K240 20BK	DATA LINK (-) FUEL INJECTION PUMP
2	K242 20WT	DATA LINK (+) FUEL INJECTION PUMP
3	-	-
4	K44 18VT/OR	LOW IDLE SELECT
5	K45 18LB/RD	FUEL SHUT-OFF SIGNAL
6	Z12 14BK/TN	GROUND
7	A40 14RD/LG	FUEL PUMP RELAY OUTPUT
8	K48 18DG	FUEL INJECTION PUMP SYNC SIGNAL
9	-	-



FUEL INJECTOR
NO. 1

FUEL INJECTOR NO. 1 - BLACK 2 WAY

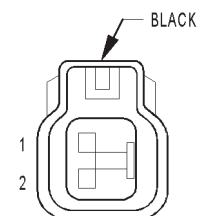
CAV	CIRCUIT	FUNCTION
1	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT



FUEL INJECTOR
NO. 2

FUEL INJECTOR NO. 2 - BLACK 2 WAY

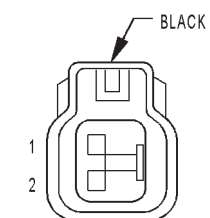
CAV	CIRCUIT	FUNCTION
1	K12 18TN	FUEL INJECTOR NO. 2 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT



FUEL INJECTOR
NO. 3

FUEL INJECTOR NO. 3 - BLACK 2 WAY

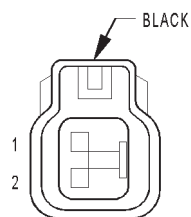
CAV	CIRCUIT	FUNCTION
1	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT



FUEL INJECTOR
NO. 4

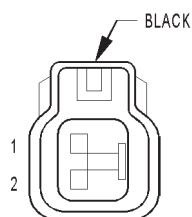
FUEL INJECTOR NO. 4 - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K14 18LB/BR	FUEL INJECTOR NO. 4 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT


FUEL INJECTOR
NO. 5

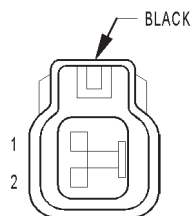
FUEL INJECTOR NO. 5 - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K38 18GY	FUEL INJECTOR NO. 5 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT


FUEL INJECTOR
NO. 6

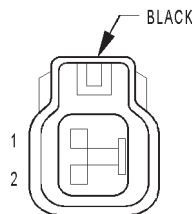
FUEL INJECTOR NO. 6 - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K58 18BR/DB	FUEL INJECTOR NO. 6 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT


FUEL INJECTOR
NO. 7

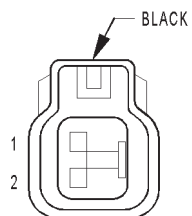
FUEL INJECTOR NO. 7 - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K26 18VT/TN	FUEL INJECTOR NO. 7 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT


FUEL INJECTOR
NO. 8

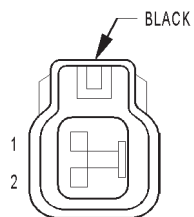
FUEL INJECTOR NO. 8 - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K28 18GY/LB	FUEL INJECTOR NO. 8 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT


FUEL INJECTOR
NO. 9
(8.0L)

FUEL INJECTOR NO. 9 (8.0L) - BLACK 2 WAY

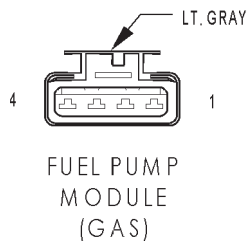
CAV	CIRCUIT	FUNCTION
1	K115 18TN/BK	FUEL INJECTOR NO. 9 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT



FUEL INJECTOR
NO. 10
(8.0L)

FUEL INJECTOR NO. 10 (8.0L) - BLACK 2 WAY

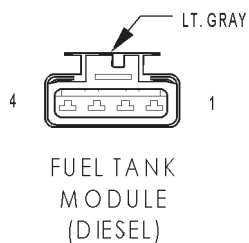
CAV	CIRCUIT	FUNCTION
1	K116 18WT	FUEL INJECTOR NO. 10 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT



FUEL PUMP
MODULE
(GAS)

FUEL PUMP MODULE (GAS) - LT. GRAY 4 WAY

CAV	CIRCUIT	FUNCTION
1	Z13 16BK	GROUND
2	K4 20BK/LB	SENSOR GROUND
3	K226 20DB/WT	FUEL LEVEL SENSOR SIGNAL
4	A61 16DG/BK	FUEL PUMP RELAY OUTPUT



FUEL TANK
MODULE
(DIESEL)

FUEL TANK MODULE (DIESEL) - LT. GRAY 4 WAY

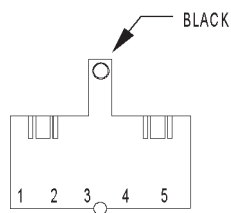
CAV	CIRCUIT	FUNCTION
1	-	-
2	K4 20BK/LB	SENSOR GROUND
3	K226 20DB/WT	FUEL LEVEL SENSOR SIGNAL
4	-	-



FUEL
TRANSFER
PUMP
(DIESEL)

FUEL TRANSFER PUMP (DIESEL) - 2 WAY

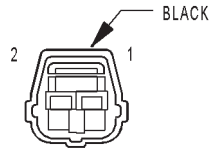
CAV	CIRCUIT	FUNCTION
1	K135 18YL/WT	TRANSFER PUMP SUPPLY
2	Z11 18BK/WT	GROUND



G 300

G300 - BLACK 5 WAY

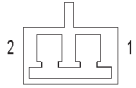
CAV	CIRCUIT	FUNCTION
1	Z2 18BK/LG	GROUND
2	Z2 14BK/LG	GROUND
3	Z2 16BK/LG	GROUND
4	Z2 16BK/LG	GROUND
5	Z2 14BK/LG	GROUND



GENERATOR

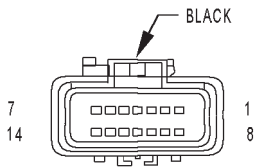
GENERATOR - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K20 18DG	GENERATOR FIELD
2	T125 18DB	GENERATOR SOURCE


GLOVE BOX
LAMP AND SWITCH

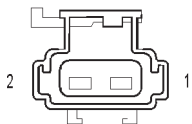
GLOVE BOX LAMP AND SWITCH - 2 WAY

CAV	CIRCUIT	FUNCTION
1	M1 22PK	FUSED B(+)
2	Z3 22BK/OR	GROUND


HEADLAMP
SWITCH C1

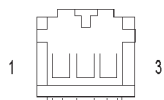
HEADLAMP SWITCH C1 - BLACK 14 WAY

CAV	CIRCUIT	FUNCTION
1	L7 16BK/YL	HEADLAMP SWITCH OUTPUT
2	F33 16PK/RD	FUSED B(+)
3	G26 22LB	KEY-IN IGNITION SWITCH SENSE
4	G75 22TN (BASE)	DRIVER DOOR AJAR SWITCH SENSE
4	Z3 22BK/OR	GROUND
5	Z3 18BK/OR	GROUND
6	L2 18LG	HEADLAMP SWITCH OUTPUT
7	L39 22LB	FOG LAMP SWITCH OUTPUT
8	E17 18YL/BK	DAY BRIGHTNESS SENSE
9	Z3 20BK/OR	GROUND
10	M22 22WT	DOVE LAMP SWITCH SENSE
11	M3 22PK/DB	CARGO LAMP DRIVER
12	M2 22YL	COURTESY LAMPS DRIVER
13	M11 22PK/LB	COURTESY LAMPS SWITCH OUTPUT
13	M22 22WT (BASE)	DOVE LAMP SWITCH SENSE
14	E1 18TN	PANEL LAMPS DIMMER SWITCH SIGNAL


HEADLAMP
SWITCH C2

HEADLAMP SWITCH C2 - 2 WAY

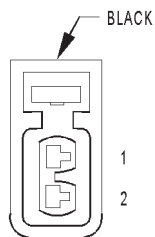
CAV	CIRCUIT	FUNCTION
1	Z3 20BK/OR	GROUND
2	L35 22BR/YL	FOG LAMP RELAY OUTPUT



HEATED
MIRROR SWITCH

HEATED MIRROR SWITCH - 3 WAY

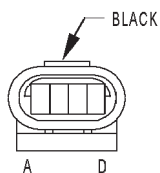
CAV	CIRCUIT	FUNCTION
1	F15 22DB	FUSED IGNITION SWITCH OUTPUT (RUN)
2	Z3 22BK/OR	GROUND
3	C16 22LB/YL	HEATED MIRROR



HIGH NOTE
HORN

HIGH NOTE HORN - BLACK 2 WAY

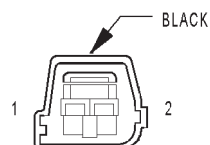
CAV	CIRCUIT	FUNCTION
1	X2 18DG/RD	HORN RELAY OUTPUT
2	Z1 18BK	GROUND



IDLE AIR
CONTROL
MOTOR

IDLE AIR CONTROL MOTOR - BLACK 4 WAY

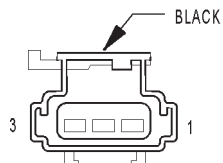
CAV	CIRCUIT	FUNCTION
A	K59 18VT/BK	IDLE AIR CONTROL NO. 4 DRIVER
B	K40 18BR/WT	IDLE AIR CONTROL NO. 3 DRIVER
C	K60 18YL/BK	IDLE AIR CONTROL NO. 2 DRIVER
D	K39 18GY/RD	IDLE AIR CONTROL NO. 1 DRIVER



IGNITION COIL
(5.9L)

IGNITION COIL (5.9L) - BLACK 2 WAY

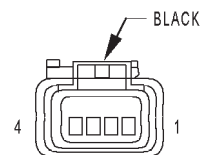
CAV	CIRCUIT	FUNCTION
1	A142 14DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K19 16BK/GY	IGNITION COIL NO. 1 DRIVER



IGNITION COIL
4 PACK
(8.0L)

IGNITION COIL 4 PACK (8.0L) - BLACK 3 WAY

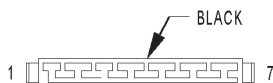
CAV	CIRCUIT	FUNCTION
1	K17 18DB/WT	IGNITION COIL NO. 2 DRIVER
2	A142 14DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
3	K18 18RD/BK	IGNITION COIL NO. 3 DRIVER



IGNITION COIL
6 PACK
(8.0L)

IGNITION COIL 6 PACK (8.0L) - BLACK 4 WAY

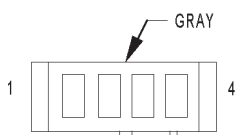
CAV	CIRCUIT	FUNCTION
1	K19 18BK/GY	IGNITION COIL NO. 1 DRIVER
2	A142 14DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
3	K32 18YL/GY	IGNITION COIL NO. 4 DRIVER
4	K43 18DG/GY	IGNITION COIL NO. 5 DRIVER



IGNITION
SWITCH C1

IGNITION SWITCH C1 - BLACK 7 WAY

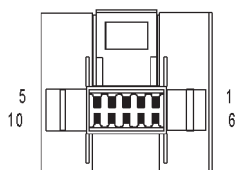
CAV	CIRCUIT	FUNCTION
1	A41 14YL	IGNITION SWITCH OUTPUT (START)
2	A21 12DB	IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	A2 14PK/BK	FUSED B(+)
5	A22 14BK/OR	IGNITION SWITCH OUTPUT (RUN)
6	A31 12BK/WT	IGNITION SWITCH OUTPUT (RUN-ACC)
7	A1 10RD	FUSED B(+)



IGNITION
SWITCH C2

IGNITION SWITCH C2 - GRAY 4 WAY

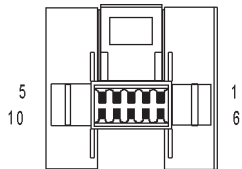
CAV	CIRCUIT	FUNCTION
1	Z3 22BK/OR	GROUND
1	G75 22TN (IEM)	DRIVER DOOR AJAR SWITCH SENSE
2	G26 22LB	KEY-IN IGNITION SWITCH SENSE
3	-	-
4	-	-



INSTRUMENT
CLUSTER C1

INSTRUMENT CLUSTER C1 - 10 WAY

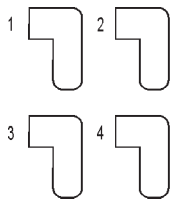
CAV	CIRCUIT	FUNCTION
1	-	-
2	G5 22DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	G11 22WT/LG	PARK BRAKE SWITCH SENSE
4	Z2 20BK/LG	GROUND
5	Z3 20BK/OR	GROUND
6	F73 20YL	FUSED B(+)
7	-	-
8	G85 22OR/BK (DIESEL)	WAIT-TO-START WARNING INDICATOR DRIVER
9	D2 20WT/BK	CCD BUS (-)
10	D1 20VT/BR	CCD BUS (+)



INSTRUMENT
CLUSTER C2

INSTRUMENT CLUSTER C2 - 10 WAY

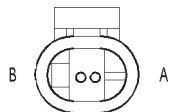
CAV	CIRCUIT	FUNCTION
1	E2 22OR	PANEL LAMPS FEED
2	G29 22BK/WT	WASHER FLUID SWITCH SENSE
3	G10 22LG/RD	SEAT BELT SWITCH SENSE
4	-	-
5	E17 18YL/BK	DAY BRIGHTNESS SENSE
6	L61 18LG	LEFT TURN SIGNAL
7	G13 22DB/RD	CHIME REQUEST SIGNAL
8	L60 18TN	RIGHT TURN SIGNAL
9	G34 16RD/GY	HIGH BEAM INDICATOR DRIVER
10	G107 22GY	4WD SWITCH SENSE



INTAKE AIR
HEATER RELAYS
(DIESEL)

INTAKE AIR HEATER RELAYS (DIESEL) - 4 WAY

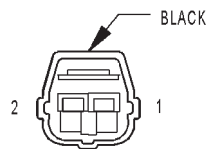
CAV	CIRCUIT	FUNCTION
1	S22 18OR/BK	AIR INTAKE HEATER RELAY CONTROL NO. 2
2	Z12 18BK/TN	GROUND
3	S21 18YL/BK	AIR INTAKE HEATER RELAY CONTROL NO. 1
4	Z12 18BK/TN	GROUND



INTAKE AIR
TEMPERATURE SENSOR
(DIESEL)

INTAKE AIR TEMPERATURE SENSOR (DIESEL) - 2 WAY

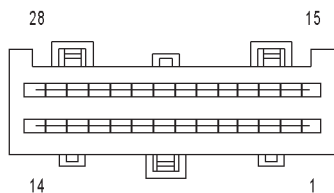
CAV	CIRCUIT	FUNCTION
A	K104 18BK/LB	SENSOR GROUND
B	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL



INTAKE AIR
TEMPERATURE SENSOR
(GAS)

INTAKE AIR TEMPERATURE SENSOR (GAS) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL



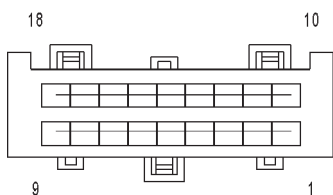
JOINT
CONNECTOR NO. 1
(IN PDC)

JOINT CONNECTOR NO. 1 (IN PDC) - 28 WAY

CAV	CIRCUIT	FUNCTION
1	V40 20WT/PK	BRAKE SWITCH SENSE
2	V40 22WT/PK	BRAKE SWITCH SENSE
3	V40 22WT/PK	BRAKE SWITCH SENSE
4	L4 18VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
5	L4 16VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
5	L4 16VT/WT(QUAD)	DIMMER SWITCH LOW BEAM OUTPUT

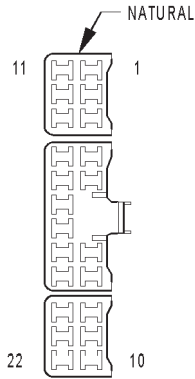
JOINT CONNECTOR NO. 1 (IN PDC) - 28 WAY

CAV	CIRCUIT	FUNCTION
6	L4 20VT/WT(QUAD)	DIMMER SWITCH LOW BEAM OUTPUT
6	L4 20VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
7	L4 20VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
8	L4 18VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
9	L1 18VT/BK	BACK-UP LAMP FEED
10	L1 18VT/BK	BACK-UP LAMP FEED
11	L1 18VT/BK	BACK-UP LAMP FEED
12	X2 18DG/RD	HORN RELAY OUTPUT
13	X2 18DG/RD	HORN RELAY OUTPUT
14	X2 18DG/RD	HORN RELAY OUTPUT
15	K4 22BK/LB	SENSOR GROUND
16	K4 22BK/LB	SENSOR GROUND
17	K4 20BK/LB	SENSOR GROUND
18	K4 20BK/LB	SENSOR GROUND
19	Z1 22BK	GROUND
20	Z1 20BK (DIESEL)	GROUND
21	Z1 18BK	GROUND
22	Z1 18BK	GROUND
23	Z1 18BK	GROUND
24	Z1 22BK (DIESEL)	GROUND
25	Z1 16BK	GROUND
26	Z1 16BK	GROUND
27	-	-
28	Z1 18BK	GROUND


JOINT
CONNECTOR NO. 2
(IN PDC)

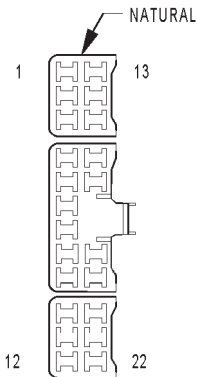
JOINT CONNECTOR NO. 2 (IN PDC) - 18 WAY

CAV	CIRCUIT	FUNCTION
1	A16 14RD/LB	FUSED B(+)
2	A16 14RD/LB	FUSED B(+)
3	A16 14RD/LB	FUSED B(+)
4	V5 16DG	WIPER PARK SWITCH SENSE
5	V5 16DG	WIPER PARK SWITCH SENSE
6	V5 16DG	WIPER PARK SWITCH SENSE
7	A14 16RD/WT	FUSED B(+)
8	A14 16RD/WT	FUSED B(+)
9	A14 16RD/WT	FUSED B(+)
10	A6 12RD/OR (TRAILER TOW)	FUSED B(+)
11	A6 12RD/OR (TRAILER TOW)	FUSED B(+)
12	A6 12RD/OR (TRAILER TOW)	FUSED B(+)
13	A6 12RD/OR (TRAILER TOW)	FUSED B(+)
14	-	-
15	A142 14DG/OR (GAS)	AUTOMATIC SHUT DOWN RELAY OUTPUT SENSE
16	A142 14DG/OR (GAS)	AUTOMATIC SHUT DOWN RELAY OUTPUT SENSE
16	Z12 18BK/TN (DIESEL)	GROUND
17	Z12 18BK/TN (DIESEL)	GROUND
17	A142 14DG/OR (GAS)	AUTOMATIC SHUT DOWN RELAY OUTPUT SENSE
18	Z12 18BK/TN (DIESEL)	GROUND


JOINT
CONNECTOR NO. 5

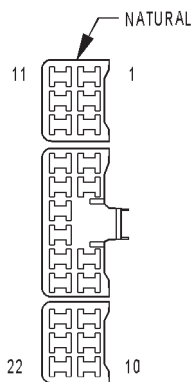
JOINT CONNECTOR NO. 5 - NATURAL 22 WAY

CAV	CIRCUIT	FUNCTION
1	M1 20PK	FUSED B(+)
2	M1 22PK	FUSED B(+)
3	M1 22PK	FUSED B(+)
4	Z3 20BK/OR	GROUND
5	Z3 18BK/OR	GROUND
6	Z3 22BK/OR	GROUND
7	Z3 18BK/OR	GROUND
8	E2 22OR	PANEL LAMPS FEED
9	E2 22OR	PANEL LAMPS FEED
10	E2 22OR	PANEL LAMPS FEED
11	-	-
12	M1 22PK	FUSED B(+)
13	M1 22PK	FUSED B(+)
14	Z3 20BK/OR (HEATED SEATS)	GROUND
15	Z3 20BK/OR (HEATED SEATS)	GROUND
16	Z3 22BK/OR (EXCEPT BASE/MIDLINE)	GROUND
17	Z3 22BK/OR (EXCEPT BASE/MIDLINE)	GROUND
18	-	-
19	-	-
20	E2 22OR	PANEL LAMPS FEED
21	E2 22OR	PANEL LAMPS FEED
22	E2 22OR	PANEL LAMPS FEED


JOINT
CONNECTOR NO. 6

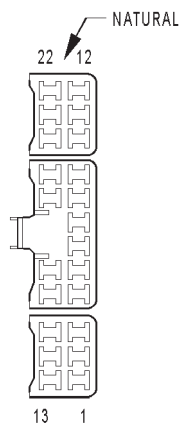
JOINT CONNECTOR NO. 6 - NATURAL 22 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	L50 16WT/TN	BRAKE LAMP SWITCH OUTPUT
5	L50 16WT/TN	BRAKE LAMP SWITCH OUTPUT
6	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
7	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
8	Z9 16BK/VT(EXCEPT BASE/LOWLINE)	GROUND
9	Z9 20BK/VT(SLT+HIGHLINE)	GROUND
10	X3 20BK/RD(EXCEPT BASE/MIDLINE)	HORN RELAY CONTROL
10	M22 22WT(BASE/MIDLINE)	DOVE LAMPS SWITCH SENSE
11	X3 20BK/RD(EXCEPT BASE/MIDLINE)	HORN RELAY CONTROL
11	M22 22WT(BASE/MIDLINE)	DOVE LAMPS SWITCH SENSE
12	M22 22WT(BASE/MIDLINE)	DOVE LAMPS SWITCH SENSE
12	X3 20BK/RD(EXCEPT BASE/MIDLINE)	HORN RELAY CONTROL
13	V10 16BR	WASHER SWITCH SENSE
14	V10 16BR	WASHER SWITCH SENSE
15	V10 16BR	WASHER SWITCH SENSE
16	-	-
17	-	-
18	Z9 16BK/VT	GROUND
19	Z9 16BK/VT(XECEPT BASE/LOWLINE)	GROUND
20	G26 22LB	KEY-IN IGNITION SWITCH SENSE
21	G26 22LB	KEY-IN IGNITION SWITCH SENSE
22	G26 22LB	KEY-IN IGNITION SWITCH SENSE


JOINT
CONNECTOR NO. 7

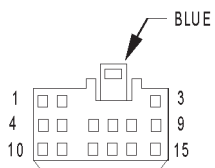
JOINT CONNECTOR NO. 7 - NATURAL 22 WAY

CAV	CIRCUIT	FUNCTION
1	D1 18VT/BR	CCD BUS (+)
2	D1 18VT/BR	CCD BUS (+)
3	D1 20VT/BR	CCD BUS (+)
4	D2 18WT/BK	CCD BUS (-)
5	D2 18WT/BK	CCD BUS (-)
6	D2 20WT/BK	CCD BUS (-)
7	D2 20WT/BK	CCD BUS (-)
8	D1 20VT/BR	CCD BUS (+)
9	D1 20VT/BR	CCD BUS (+)
10	D1 20VT/BR	CCD BUS (+)
11	D1 20VT/BR	CCD BUS (+)
12	D1 20VT/BR	CCD BUS (+)
13	D1 20VT/BR	CCD BUS (+)
14	D2 20WT/BK	CCD BUS (-)
15	D2 20WT/BK	CCD BUS (-)
16	D2 20WT/BK	CCD BUS (-)
17	D2 20WT/BK (REMOTE RADIO)	CCD BUS (-)
18	-	-
19	-	-
20	D1 20VT/BR (REMOTE RADIO)	CCD BUS (+)
21	-	-
22	-	-


JOINT
CONNECTOR NO. 8

JOINT CONNECTOR NO. 8 - NATURAL 22 WAY

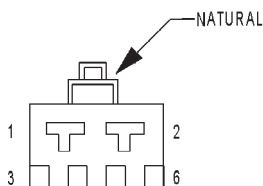
CAV	CIRCUIT	FUNCTION
1	M2 22YL	COURTESY LAMPS DRIVER
2	M2 22YL	COURTESY LAMPS DRIVER
3	M2 22YL	COURTESY LAMPS DRIVER
4	F15 22DB	FUSED IGNITION SWITCH OUTPUT(RUN)
5	F15 22DB	FUSED IGNITION SWITCH OUTPUT(RUN)
6	F15 22DB	FUSED IGNITION SWITCH OUTPUT(RUN)
7	F15 20DB(HEATED SEATS)	FUSED IGNITION SWITCH OUTPUT(RUN)
8	G75 22TN(BASE/MIDLINE)	DRIVER DOOR AJAR SWITCH SENSE
8	E2 22OR(HEATED SEATS)	PANEL LAMPS FEED
9	E2 22OR(HEATED SEATS)	PANEL LAMPS FEED
9	G75 22TN(BASE/MIDLINE)	DRIVER DOOR AJAR SWITCH SENSE
10	Z6 18 BK/PK	GROUND
11	Z6 18BK/PK	GROUND
12	Z6 18BK/PK	GROUND
13	E17 18YL/BK	DAY BRIGHTNESS SENSE
14	E17 18YL/BK	DAY BRIGHTNESS SENSE
15	E17 18YL/BK	DAY BRIGHTNESS SENSE
16	F15 18DB	FUSED IGNITION SWITCH OUTPUT(RUN)
17	F15 22DB	FUSED IGNITION SWITCH OUTPUT(RUN)
18	E2 22OR(HEATED SEATS)	PANEL LAMPS FEED
18	G75 22TN(BASE/MIDLINE)	DRIVER DOOR AJAR SWITCH SENSE
19	E2 22OR(HEATED SEATS)	PANEL LAMPS FEED
19	G75 22TN(BASE/MIDLINE)	DRIVER DOOR AJAR SWITCH SENSE
20	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT(RUN-START)
21	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT(RUN-START)
22	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT(RUN-START)



JUNCTION
BLOCK C1

JUNCTION BLOCK C1 - BLUE 15 WAY

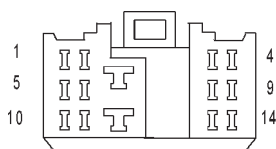
CAV	CIRCUIT	FUNCTION
1	-	-
2	G31 20VT/LG	AMBIENT TEMPERATURE SENSOR SIGNAL
3	A20 20RD/DB	FUSED IGNITION SWITCH OUTPUT (RUN)
4	L61 18LG	LEFT TURN SIGNAL
5	V6 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
6	-	-
7	-	-
8	-	-
9	L7 18BK/YL	PARK LAMP RELAY OUTPUT
10	F18 20LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
11	L1 18VT/BK	BACK-UP LAMP FEED
12	V6 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
13	V6 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
14	G32 20BK/VT	SENSOR GROUND
15	-	-



JUNCTION
BLOCK C2

JUNCTION BLOCK C2 - NATURAL 6 WAY

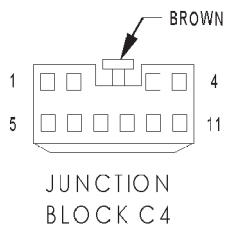
CAV	CIRCUIT	FUNCTION
1	A7 10RD/BK	FUSED B(+)
2	L9 16BK/VT	FUSED FLASHER FEED
3	M1 20PK	FUSED B(+)
4	-	-
5	L60 18TN	RIGHT TURN SIGNAL
6	-	-



JUNCTION
BLOCK C3

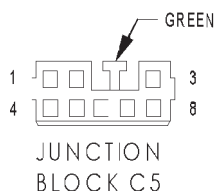
JUNCTION BLOCK C3 - 14 WAY

CAV	CIRCUIT	FUNCTION
1	G32 22BK/LB	SENSOR GROUND
2	Z2 20BK/LG	GROUND
3	M2 22YL	COURTESY LAMPS DRIVER
4	-	-
5	G31 22VT/LG	AMBIENT TEMPERATURE SENSOR SIGNAL
6	M1 22PK (BASE)	FUSED B(+)
6	M1 20PK (HIGHLINE)	FUSED B(+)
7	-	-
8	L7 18BK/YL	PARK LAMP RELAY OUTPUT
9	-	-
10	-	-
11	L1 20VT/BK	BACK-UP LAMP FEED
12	-	-
13	Z3 18BK (HIGHLINE)	GROUND
14	F12 20DB/WT (HIGHLINE)	FUSED IGNITION SWITCH OUTPUT (RUN-START)



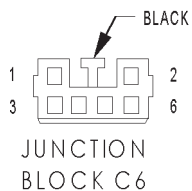
JUNCTION BLOCK C4 - BROWN 11 WAY

CAV	CIRCUIT	FUNCTION
1	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	F23 18DB/YL	FUSED IGNITION SWITCH OUTPUT (RUN)
3	X12 16RD/WT	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
4	L61 18LG	LEFT TURN SIGNAL
5	F12 22DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
6	F12 22DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
7	-	-
8	-	-
9	E1 18TN	PANEL LAMPS DIMMER SWITCH SIGNAL
10	-	-
11	-	-



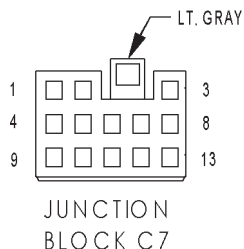
JUNCTION BLOCK C5 - GREEN 8 WAY

CAV	CIRCUIT	FUNCTION
1	V6 16DB (EXCEPT BASE/MIDLINE)	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
2	L61 18LG	LEFT TURN SIGNAL
3	X60 16DG/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
4	V6 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
5	-	-
6	M2 22YL	COURTESY LAMPS DRIVER
7	E2 22OR	PANEL LAMPS FEED
8	G5 22DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)



JUNCTION BLOCK C6 - BLACK 6 WAY

CAV	CIRCUIT	FUNCTION
1	A35 16DB	FUSED B(+)
2	-	-
3	-	-
4	L19 16PK	HAZARD FLASHER SIGNAL
5	F235 16RD	B(+) TO HEATED SEAT MODULE
6	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)

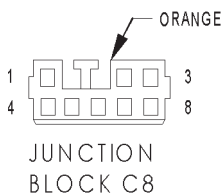


JUNCTION BLOCK C7 - LT. GRAY 13 WAY

CAV	CIRCUIT	FUNCTION
1	L60 18TN	RIGHT TURN SIGNAL
2	-	-
3	Z3 18BK/WT	GROUND
4	L60 18TN	RIGHT TURN SIGNAL
5	-	-
6	-	-

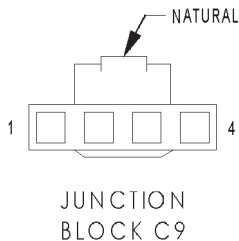
JUNCTION BLOCK C7 - LT. GRAY 13 WAY

CAV	CIRCUIT	FUNCTION
7	P132 16OR/BK (BASE/MIDLINE)	HEATED SEAT ENABLE
8	Z2 22BK/LG	GROUND
9	M1 22PK	FUSED B(+)
10	F35 18RD	FUSED B(+)
11	F35 22RD	FUSED B(+)
12	A35 16DB	FUSED B(+)
13	L6 16RD/GY	FLASHER OUTPUT



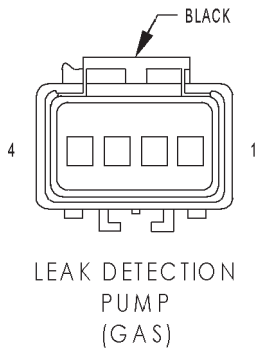
JUNCTION BLOCK C8 - ORANGE 8 WAY

CAV	CIRCUIT	FUNCTION
1	F30 18RD/OR	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
2	-	-
3	-	-
4	F73 20YL	FUSED B(+)
5	-	-
6	-	-
7	F37 16RD/LB (EXCEPT BASE/LOW-LINE)	FUSED B(+)
8	F21 14TN	FUSED IGNITION SWITCH OUTPUT (RUN)



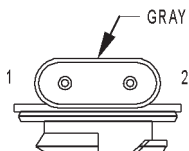
JUNCTION BLOCK C9 - NATURAL 4 WAY

CAV	CIRCUIT	FUNCTION
1	F15 18DB	FUSED IGNITION SWITCH OUTPUT (RUN)
2	A22 14BK/OR	FUSED IGNITION SWITCH OUTPUT (RUN)
3	A21 12DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
4	A31 12BK/WT	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)



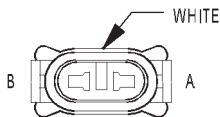
LEAK DETECTION PUMP (GAS) - BLACK 4 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	T125 18DB	GENERATOR SOURCE
3	K106 18WT/DG	LEAK DETECTION PUMP SOLENOID CONTROL
4	K107 18OR	LEAK DETECTION PUMP SWITCH SENSE


LEFT BACK-UP
LAMP

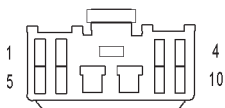
LEFT BACK-UP LAMP - GRAY 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z13 18BK	GROUND
2	L1 18VT/BK	BACK-UP LAMP FEED


LEFT FOG
LAMP

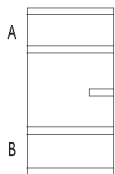
LEFT FOG LAMP - WHITE 2 WAY

CAV	CIRCUIT	FUNCTION
A	L34 20RD/OR	FUSED B(+)
B	L39 20LB	FOG LAMP SWITCH OUTPUT


LEFT FRONT
DOOR SPEAKER
(PREMIUM)

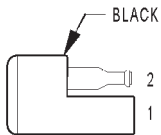
LEFT FRONT DOOR SPEAKER (PREMIUM) - 10 WAY

CAV	CIRCUIT	FUNCTION
1	X83 20YL/RD	AMPLIFIED HIGH LEFT FRONT SPEAKER (+)
2	X81 20YL/BK	AMPLIFIED HIGH LEFT FRONT SPEAKER (-)
3	X53 18DG	LEFT FRONT SPEAKER (+)
4	X55 18BR/RD	LEFT FRONT SPEAKER (-)
5	X91 18WT/DG	AMPLIFIED LOW LEFT REAR SPEAKER (-)
6	X93 18WT/VT	AMPLIFIED LOW LEFT REAR SPEAKER (+)
7	X13 16BK/RD	RADIO CHOKE RELAY OUTPUT
8	Z9 16BK/VT	GROUND
9	X51 18BR/YL	LEFT REAR SPEAKER (+)
10	X57 18BR/LB	LEFT REAR SPEAKER (-)


LEFT FRONT
DOOR SPEAKER
(STANDARD)

LEFT FRONT DOOR SPEAKER (STANDARD) - 2 WAY

CAV	CIRCUIT	FUNCTION
A	X55 20BR/RD	LEFT FRONT SPEAKER (-)
B	X53 20DG	LEFT FRONT SPEAKER (+)


LEFT FRONT
FENDER LAMP
(DUAL REAR WHEELS)

LEFT FRONT FENDER LAMP (DUAL REAR WHEELS) - BLACK 2 WAY

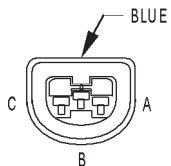
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z13 18BK	GROUND



LEFT FRONT
WHEEL SPEED
SENSOR
(ABS)

LEFT FRONT WHEEL SPEED SENSOR (ABS) - 2 WAY

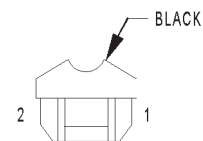
CAV	CIRCUIT	FUNCTION
1	B8 20RD/GY	LEFT FRONT WHEEL SPEED SENSOR (-)
2	B9 20RD	LEFT FRONT WHEEL SPEED SENSOR (+)



LEFT
HEADLAMP

LEFT HEADLAMP - BLUE 3 WAY

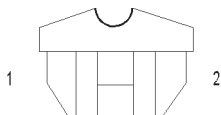
CAV	CIRCUIT	FUNCTION
C	L33 18LG/BR	HIGH BEAM HEADLAMP DRIVER
B	-	-
A	L45 18PK/RD	FUSED B(+)



LEFT
LICENSE LAMP

LEFT LICENSE LAMP - BLACK 2 WAY

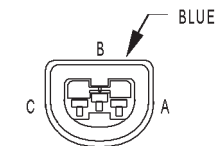
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z13 18BK	GROUND



LEFT OUTBOARD
CLEARANCE LAMP

LEFT OUTBOARD CLEARANCE LAMP - 2 WAY

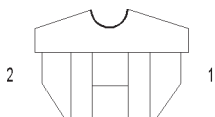
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z4 18BK	GROUND



LEFT OUTBOARD
HEADLAMP

LEFT OUTBOARD HEADLAMP - BLUE 3 WAY

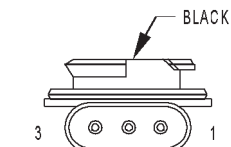
CAV	CIRCUIT	FUNCTION
A	L43 18VT	FUSED B(+)
B	L43 18VT (QUAD HEADLAMP)	FUSED B(+)
A	L4 20VT/WT (QUAD HEADLAMP)	DIMMER SWITCH LOW BEAM OUTPUT
B	L4 20VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
C	L3 20RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT



LEFT OUTBOARD
IDENTIFICATION
LAMP

LEFT OUTBOARD IDENTIFICATION LAMP - 2 WAY

CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z4 18BK	GROUND



LEFT PARK/
TURN SIGNAL LAMP

LEFT PARK/TURN SIGNAL LAMP - BLACK 3 WAY

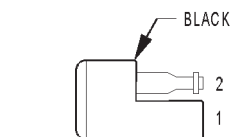
CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	L7 18BK/YL	PARK LAMP RELAY OUTPUT
3	L61 18LG/TN	LEFT TURN SIGNAL



LEFT POWER
MIRROR

LEFT POWER MIRROR - 6 WAY

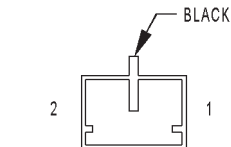
CAV	CIRCUIT	FUNCTION
1	P71 22YL	LEFT MIRROR UP DRIVER
2	P75 22DB/WT	LEFT MIRROR LEFT DRIVER
3	P73 22YL/PK	LEFT MIRROR COMMON DRIVER (RIGHT/DOWN)
4	C16 20LB/YL	HEATED MIRROR
5	Z2 20BK/LG	GROUND
6	-	-



LEFT REAR
FENDER LAMP
(DUAL REAR WHEELS)

LEFT REAR FENDER LAMP (DUAL REAR WHEELS) - BLACK 2 WAY

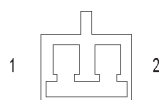
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z13 18BK	GROUND



LEFT REAR
SPEAKER
(PREMIUM 2 DOOR)

LEFT REAR SPEAKER (PREMIUM 2 DOOR) - BLACK 2 WAY

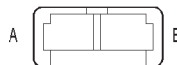
CAV	CIRCUIT	FUNCTION
1	X93 18WT/VT	AMPLIFIED LOW LEFT REAR SPEAKER (+)
2	X91 18WT/DG	AMPLIFIED LOW LEFT REAR SPEAKER (-)



LEFT REAR
SPEAKER
(PREMIUM 4 DOOR)

LEFT REAR SPEAKER (PREMIUM 4 DOOR) - 2 WAY

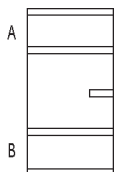
CAV	CIRCUIT	FUNCTION
1	X57 18BR/LB	AMPLIFIED LOW LEFT REAR SPEAKER (-)
2	X51 18BR/YL	AMPLIFIED LOW LEFT REAR SPEAKER (+)



LEFT REAR
SPEAKER
(STANDARD 2 DOOR)

LEFT REAR SPEAKER (STANDARD 2 DOOR) - 2 WAY

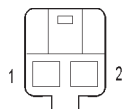
CAV	CIRCUIT	FUNCTION
A	X57 18BR/LB	LEFT REAR SPEAKER (-)
B	X51 18BR/YL	LEFT REAR SPEAKER (+)



LEFT REAR
SPEAKER
(STANDARD 4 DOOR)

LEFT REAR SPEAKER (STANDARD 4 DOOR) - 2 WAY

CAV	CIRCUIT	FUNCTION
A	X57 18BR/LB	LEFT REAR SPEAKER (-)
B	X51 18BR/YL	LEFT REAR SPEAKER (+)



LEFT REMOTE
RADIO SWITCH

LEFT REMOTE RADIO SWITCH - 2 WAY

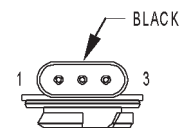
CAV	CIRCUIT	FUNCTION
1	Z2 22BK/LG	GROUND
2	X20 22RD/BK	RADIO CONTROL MUX



LEFT SPEED
CONTROL SWITCH

LEFT SPEED CONTROL SWITCH - 2 WAY

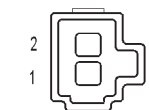
CAV	CIRCUIT	FUNCTION
1	K4 22WT	SENSOR GROUND
2	V37 22DG/RD	SPEED CONTROL SWITCH SIGNAL
2	V37 22DG/RD	SPEED CONTROL SWITCH SIGNAL



LEFT TAIL/
STOP/TURN
SIGNAL LAMP

LEFT TAIL/STOP/TURN SIGNAL LAMP - BLACK 3 WAY

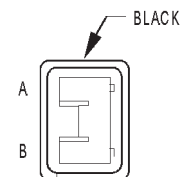
CAV	CIRCUIT	FUNCTION
1	Z13 18BK	GROUND
2	L7 18BK/YL	PARK LAMP RELAY OUTPUT
3	L63 18DG/BR	LEFT TURN SIGNAL



LEFT TWEETER
(PREMIUM)

LEFT TWEETER (PREMIUM) - 2 WAY

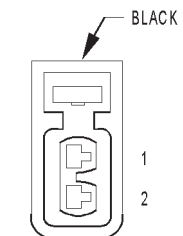
CAV	CIRCUIT	FUNCTION
1	X83 20YL/RD	AMPLIFIED HIGH LEFT FRONT SPEAKER (+)
2	X81 20YL/BK	AMPLIFIED HIGH LEFT FRONT SPEAKER (-)



LEFT VISOR/
VANITY LAMP

LEFT VISOR/VANITY LAMP - BLACK 2 WAY

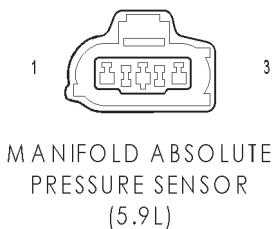
CAV	CIRCUIT	FUNCTION
A	M1 20PK	FUSED B(+)
B	Z4 20BK	GROUND



LOW NOTE
HORN

LOW NOTE HORN - BLACK 2 WAY

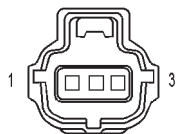
CAV	CIRCUIT	FUNCTION
1	X2 18DG/RD	HORN RELAY OUTPUT
2	Z1 18BK	GROUND



MANIFOLD ABSOLUTE
PRESSURE SENSOR
(5.9L)

MANIFOLD ABSOLUTE PRESSURE SENSOR (5.9L) - 3 WAY

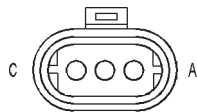
CAV	CIRCUIT	FUNCTION
1	K4 20BK/LB	SENSOR GROUND
2	K1 18DG/RD	MAP SENSOR SIGNAL
3	K6 20VT/WT	5V SUPPLY



MANIFOLD ABSOLUTE
PRESSURE SENSOR
(8.0L)

MANIFOLD ABSOLUTE PRESSURE SENSOR (8.0L) - 3 WAY

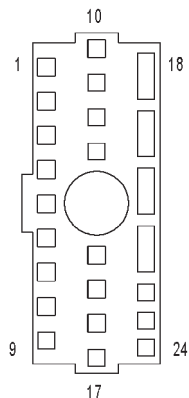
CAV	CIRCUIT	FUNCTION
1	K6 20VT/WT	5V SUPPLY
2	K4 20BK/LB	SENSOR GROUND
3	K1 18DG/RD	MAP SENSOR SIGNAL



MANIFOLD
ABSOLUTE PRESSURE
SENSOR
(DIESEL)

MANIFOLD ABSOLUTE PRESSURE SENSOR (DIESEL) - 3 WAY

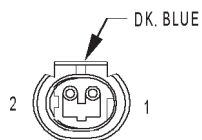
CAV	CIRCUIT	FUNCTION
A	K7 18OR	5V SUPPLY
B	K104 18BK/LB	SENSOR GROUND
C	G12 18GY/RD	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL



MULTI-FUNCTION
SWITCH

MULTI-FUNCTION SWITCH - 24 WAY

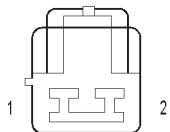
CAV	CIRCUIT	FUNCTION
1	V9 16WT/DB	WIPER SWITCH MODE SIGNAL
2	V8 16VT	WIPER SWITCH MODE SENSE
3	V10 16BR	WASHER SWITCH SENSE
4	V6 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
5	V4 16RD/YL	WIPER SWITCH HIGH SPEED OUTPUT
6	V3 16BR/WT	LOW SPEED WIPER SWITCH OUTPUT
7	V49 16RD/BK	DRIVER LOW SPEED WIPER MOTOR DRIVER
8	V49 16RD/BK	DRIVER LOW SPEED WIPER MOTOR DRIVER
9	V3 16BR/WT	LOW SPEED WIPER SWITCH OUTPUT
10	-	-
11	L60 18TN	RIGHT TURN SIGNAL
12	L62 16BR/RD	RIGHT TURN SIGNAL
13	L19 16PK	HAZARD FLASHER SIGNAL
14	L50 16WT/TN	BRAKE LAMP SWITCH OUTPUT
15	L63 16DG/RD	LEFT TURN SIGNAL
16	L61 18LG	LEFT TURN SIGNAL
17	L6 16RD/GY	FLASHER OUTPUT
18	L4 18VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
19	L2 18LG	HEADLAMP SWITCH OUTPUT
20	L3 14RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
21	Z3 16BK/OR	GROUND
22	-	-
23	-	-
24	-	-



OUTPUT
SPEED
SENSOR

OUTPUT SPEED SENSOR - DK. BLUE 2 WAY

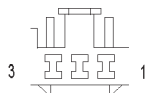
CAV	CIRCUIT	FUNCTION
1	T14 18LG/BK	OUTPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	OUTPUT SPEED SENSOR GROUND



OVERDRIVE SWITCH

OVERDRIVE SWITCH - 2 WAY

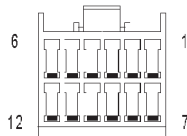
CAV	CIRCUIT	FUNCTION
1	T6 22OR/WT	OVERDRIVE OFF SWITCH SENSE
2	Z2 22BK/LG	GROUND



OVERHEAD CONSOLE
(BASE)

OVERHEAD CONSOLE (BASE) - 3 WAY

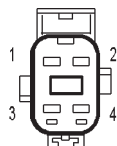
CAV	CIRCUIT	FUNCTION
1	Z2 20BK/LG	GROUND
2	M1 22PK	FUSED B(+)
3	M2 22YL	COURTESY LAMPS DRIVER



OVERHEAD CONSOLE
(HIGHLINE)

OVERHEAD CONSOLE (HIGHLINE) - 12 WAY

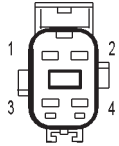
CAV	CIRCUIT	FUNCTION
1	F12 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	D1 20VT/BR	CCD BUS(+)
3	G31 22VT/LG	AMBIENT TEMPERATURE SENSOR SIGNAL
4	Z2 20BK/LG	GROUND
5	M1 20PK	FUSED B(+)
6	M2 22YL	COURTESY LAMPS DRIVER
7	Z2 20BK/LG	GROUND
8	D2 20WT/BK	CCD BUS(-)
9	G32 22BK/LB	SENSOR GROUND
10	-	-
11	G69 22BK	VTSS INDICATOR DRIVER
12	-	-



OXYGEN SENSOR
1/1 LEFT
BANK UP
(5.9L HD/8.0L)

OXYGEN SENSOR 1/1 LEFT BANK UP (5.9L HD/8.0L) - 4 WAY

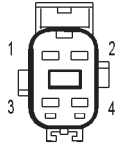
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	Z11 18BK/WT	GROUND
3	K4 18BK/LB	SENSOR GROUND
4	K41 18BK/DG	OXYGEN SENSOR 1/1 SIGNAL



OXYGEN SENSOR
1/1 LEFT
BANK UP
(CALIFORNIA)

OXYGEN SENSOR 1/1 LEFT BANK UP (CALIFORNIA) - 4 WAY

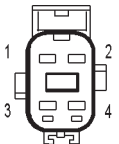
CAV	CIRCUIT	FUNCTION
1	K199 18BR/VT	OXYGEN SENSOR 1/1 HEATER CONTROL
2	A141 18DG/WT	FUSED OXYGEN SENSOR UPSTREAM RELAY OUTPUT
3	K141 18TN/WT	OXYGEN SENSOR 1/1 SIGNAL
4	K4 18BK/LB	SENSOR GROUND



OXYGEN SENSOR
1/1 UPSTREAM
(A/T EXCEPT 8.0L)

OXYGEN SENSOR 1/1 UPSTREAM (A/T EXCEPT 8.0L) - 4 WAY

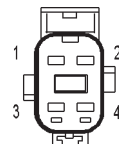
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K199 18BR/VT	OXYGEN SENSOR 1/1 HEATER CONTROL
3	K4 18BK/LB	SENSOR GROUND
4	K141 18TN/WT	OXYGEN SENSOR 1/1 SIGNAL



OXYGEN SENSOR
1/1 UPSTREAM
(M/T EXCEPT 8.0L)

OXYGEN SENSOR 1/1 UPSTREAM (M/T EXCEPT 8.0L) - 4 WAY

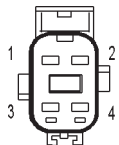
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K199 18BR/VT	OXYGEN SENSOR 1/1 HEATER CONTROL
3	K4 18BK/LB	SENSOR GROUND
4	K141 18TN/WT	OXYGEN SENSOR 1/1 SIGNAL



OXYGEN SENSOR
1/2 DOWNSTREAM
(A/T EXCEPT 8.0L)

OXYGEN SENSOR 1/2 DOWNSTREAM (A/T EXCEPT 8.0L)- 4 WAY

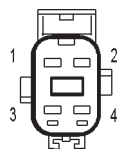
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K299 18BR/WT	OXYGEN SENSOR 1/2 HEATER CONTROL
3	K4 18BK/LB	GROUND
4	K341 18OR/BK	OXYGEN SENSOR 1/1 SIGNAL



OXYGEN SENSOR
1/2 LEFT
BANK DOWN
(CALIFORNIA)

OXYGEN SENSOR 1/2 LEFT BANK DOWN (CALIFORNIA) - 4 WAY

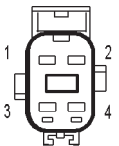
CAV	CIRCUIT	FUNCTION
1	A341 18DG/YL	OXYGEN SENSOR DOWNSTREAM RELAY OUTPUT
2	Z11 18BK/WT	GROUND
3	K4 18BK/LB	SENSOR GROUND
4	K341 18OR/BK	OXYGEN SENSOR 1/2 SIGNAL



OXYGEN SENSOR
1/2 PRE-
CATALYST
(8.0L)

OXYGEN SENSOR 1/2 PRE-CATALYST (8.0L) - 4 WAY

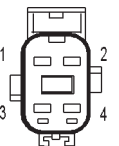
CAV	CIRCUIT	FUNCTION
1	A341 18DG/YL	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	Z11 18BK/WT	GROUND
3	K4 18BK/LB	SENSOR GROUND
4	K141 18TN/WT	OXYGEN SENSOR 1/2 SIGNAL



OXYGEN SENSOR
1/3 POST
CATALYST
(8.0L)

OXYGEN SENSOR 1/3 POST CATALYST (8.0L) - 4 WAY

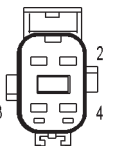
CAV	CIRCUIT	FUNCTION
1	A341 18DG/YL	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	Z11 18BK/WT	GROUND
3	K4 18BK/LB	SENSOR GROUND
4	K341 18OR/BK	OXYGEN SENSOR 1/3 SIGNAL



OXYGEN SENSOR
2/1 RIGHT
BANK UP
(5.9L HD)
(5.9L/8.0L
CALIFORNIA)

OXYGEN SENSOR 2/1 RIGHT BANK UP (5.9L HD/5.9L/8.0L CALIFORNIA)

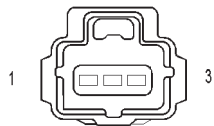
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	Z11 18BK/WT	GROUND
2	K299 18BR/WT(CALIFORNIA)	OXYGEN SENSOR 2/1 HEATER CONTROL
3	K4 18BK/LB	SENSOR GROUND
4	K241 18LG/RD	OXYGEN SENSOR 2/1 SIGNAL



OXYGEN SENSOR
2/2 RIGHT
BANK DOWN
(CALIFORNIA)

OXYGEN SENSOR 2/2 RIGHT BANK DOWN (CALIFORNIA) - 4 WAY

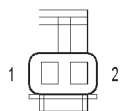
CAV	CIRCUIT	FUNCTION
1	A341 18DG/YL	OXYGEN SENSOR DOWNSTREAM RELAY OUTPUT
2	Z11 18BK/WT	GROUND
3	K4 18BK/LB	SENSOR GROUND
4	K441 18OR/TN	OXYGEN SENSOR 2/2 SIGNAL



PARK/NEUTRAL
POSITION SWITCH
(A/T)

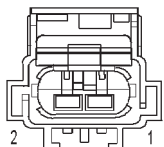
PARK/NEUTRAL POSITION SWITCH (A/T) - 3 WAY

CAV	CIRCUIT	FUNCTION
1	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
2	T41 18BK/WT	PARK/NEUTRAL POSITION SWITCH SENSE
3	L1 18VT/BK	BACK-UP LAMP FEED

PASSENGER
AIRBAG

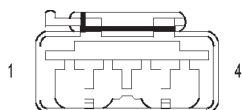
PASSENGER AIRBAG - 2 WAY

CAV	CIRCUIT	FUNCTION
1	R42 18BK/YL	PASSENGER AIRBAG LINE 1
2	R44 18DG/YL	PASSENGER AIRBAG LINE 2

PASSENGER AIRBAG
ON/OFF SWITCH C1

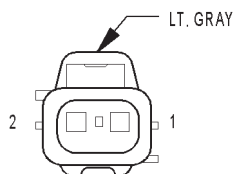
PASSENGER AIRBAG ON/OFF SWITCH C1 - 2 WAY

CAV	CIRCUIT	FUNCTION
1	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	Z6 18BK/PK	GROUND

PASSENGER AIRBAG
ON/OFF SWITCH C2

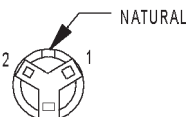
PASSENGER AIRBAG ON/OFF SWITCH C2 - 4 WAY

CAV	CIRCUIT	FUNCTION
1	R142 18BR/YL	PASSENGER AIRBAG LINE 1
2	R144 18VT/YL	PASSENGER AIRBAG LINE 2
3	R42 18BK/YL	PASSENGER AIRBAG LINE 1
4	R44 18DG/YL	PASSENGER AIRBAG LINE 2

PASSENGER
CYLINDER LOCK
SWITCH

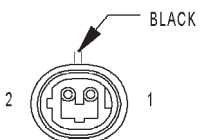
PASSENGER CYLINDER LOCK SWITCH - LT. GRAY 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z2 20BK/LG	GROUND
2	G73 20LG/OR	CYLINDER LOCK SWITCH MUX

PASSENGER DOOR
AJAR SWITCH

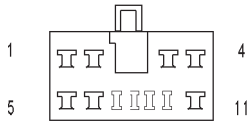
PASSENGER DOOR AJAR SWITCH - NATURAL 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z2 18BK/LG	GROUND
2	G16 18BK/LB (BASE)	PASSENGER DOOR AJAR SWITCH SENSE
2	M22 18WT	DOVE LAMP SWITCH SENSE

PASSENGER
DOOR LOCK
MOTOR

PASSENGER DOOR LOCK MOTOR - BLACK 2 WAY

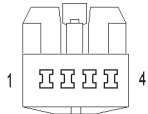
CAV	CIRCUIT	FUNCTION
1	P34 18PK/BK	DOOR UNLOCK DRIVER
2	P33 18OR/BK	DOOR LOCK DRIVER



PASSENGER DOOR
WINDOW/LOCK
SWITCH

PASSENGER DOOR WINDOW/LOCK SWITCH - 11 WAY

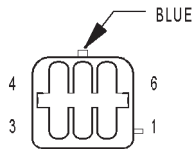
CAV	CIRCUIT	FUNCTION
1	Q16 14BR/WT	MASTER WINDOW SWITCH RIGHT FRONT (UP)
2	Q26 14VT/WT	MASTER WINDOW SWITCH RIGHT FRONT (DOWN)
3	Q22 14VT	RIGHT FRONT WINDOW DRIVER (DOWN)
4	Q12 14BR	RIGHT FRONT WINDOW DRIVER (UP)
5	F35 18RD	FUSED B(+)
6	P35 18OR/VT	DRIVER DOOR LOCK SWITCH OUTPUT
7	P30 18OR/DG	PASSENGER DOOR LOCK SWITCH OUTPUT
8	Z2 14BK/LG	GROUND
9	P31 18PK/DG	PASSENGER DOOR UNLOCK SWITCH OUTPUT
10	P36 18PK/VT	DRIVER DOOR UNLOCK SWITCH OUTPUT
11	F21 14TN	FUSED IGNITION SWITCH OUTPUT (RUN)



PASSENGER
HEATED SEAT
CUSHION

PASSENGER HEATED SEAT CUSHION - 4 WAY

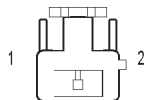
CAV	CIRCUIT	FUNCTION
1	P130 16TN	RIGHT SEAT HEATER B(+) DRIVER
2	Z2 18BK/LG	GROUND
3	P144 20BK/WT	SEAT TEMPERATURE 5V SUPPLY
4	P142 20DB	RIGHT SEAT TEMPERATURE SENSOR INPUT



PASSENGER HEATED
SEAT SWITCH

PASSENGER HEATED SEAT SWITCH - BLUE 6 WAY

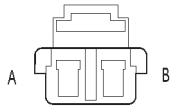
CAV	CIRCUIT	FUNCTION
1	P138 20VT/LG	RIGHT SEAT LOW HEAT LED DRIVER
2	E2 22OR	PANEL LAMPS FEED
3	Z3 20BK/OR	GROUND
4	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN)
5	P140 20VT/BK	RIGHT SEAT HIGH HEAT LED DRIVER
6	P8 20LB/WT	PASSENGER HEATED SEAT SWITCH



PASSENGER
LUMBAR
MOTOR

PASSENGER LUMBAR MOTOR - 2 WAY

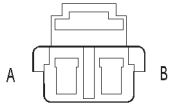
CAV	CIRCUIT	FUNCTION
1	P106 16DG/WT	LUMBAR MOTOR FORWARD
2	P107 16OR/BK	LUMBAR MOTOR REARWARD



PASSENGER POWER
SEAT FRONT
VERTICAL MOTOR
(CLUB CAB)

PASSENGER POWER SEAT FRONT VERTICAL MOTOR (CLUB CAB) - 2 WAY

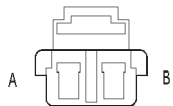
CAV	CIRCUIT	FUNCTION
A	P20 16RD/LG	RIGHT SEAT FRONT DOWN
B	P18 16YL/LG	RIGHT SEAT FRONT UP



PASSENGER POWER
SEAT HORIZONTAL
MOTOR
(CLUB CAB)

PASSENGER POWER SEAT HORIZONTAL MOTOR (CLUB CAB) - 2 WAY

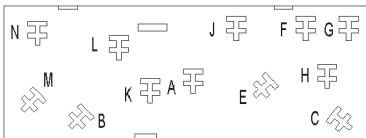
CAV	CIRCUIT	FUNCTION
A	P16 16LB	RIGHT SEAT HORIZONTAL REARWARD
B	P14 16YL/LB	RIGHT SEAT HORIZONTAL FORWARD



PASSENGER POWER
SEAT REAR
VERTICAL MOTOR
(CLUB CAB)

PASSENGER POWER SEAT REAR VERTICAL MOTOR (CLUB CAB) - 2 WAY

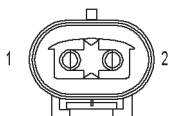
CAV	CIRCUIT	FUNCTION
A	P10 16YL/WT	RIGHT SEAT REAR UP
B	P12 16RD/WT'	RIGHT SEAT REAR DOWN



PASSENGER POWER
SEAT SWITCH
(CLUB CAB)

PASSENGER POWER SEAT SWITCH (CLUB CAB) - 14 WAY

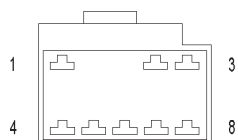
CAV	CIRCUIT	FUNCTION
N	P20 16RD/LG	RIGHT SEAT FRONT DOWN
M	P18 16YL/LG	RIGHT SEAT FRONT UP
L	P14 16YL/LB	RIGHT SEAT HORIZONTAL REARWARD
K	P16 16LB	RIGHT SEAT HORIZONTAL FORWARD
J	P12 16RD/WT	RIGHT SEAT REAR DOWN
I	-	-
H	F37 16RD/LB	FUSED B(+)
G	Z2 16BK/LG	GROUND
F	P106 16DG/WT	LUMBAR MOTOR FORWARD
E	P10 16YL/WT	RIGHT SEAT REAR UP
D	-	-
C	P107 16OR/BK	LUMBAR MOTOR REARWARD
B	Z2 16BK/LG	GROUND
A	F37 16RD/LB	FUSED B(+)



PASSENGER POWER
WINDOW MOTOR

PASSENGER POWER WINDOW MOTOR - 2 WAY

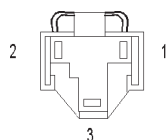
CAV	CIRCUIT	FUNCTION
1	Q12 14BR	RIGHT FRONT WINDOW DRIVER (UP)
2	Q22 14VT	RIGHT FRONT WINDOW DRIVER (DOWN)



POWER
MIRROR SWITCH

POWER MIRROR SWITCH - 8 WAY

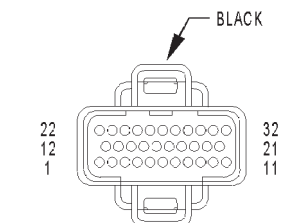
CAV	CIRCUIT	FUNCTION
1	P71 22YL	LEFT MIRROR UP DRIVER
2	P75 22DB/WT	LEFT MIRROR LEFT DRIVER
3	P73 22YL/PK	LEFT MIRROR COMMON DRIVER (RIGHT/DOWN)
4	P72 22YL/BK	RIGHT MIRROR UP DRIVER
5	P74 22DB	RIGHT MIRROR LEFT DRIVER
6	P70 22WT	RIGHT MIRROR COMMON DRIVER (RIGHT/DOWN)
7	M1 22PK	FUSED B(+)
8	Z2 20BK/LG	GROUND



POWER
OUTLET

POWER OUTLET - 3 WAY

CAV	CIRCUIT	FUNCTION
1	A12 16RD/TN	OUTLET FEED
2	-	-
3	Z3 16BK/OR	GROUND



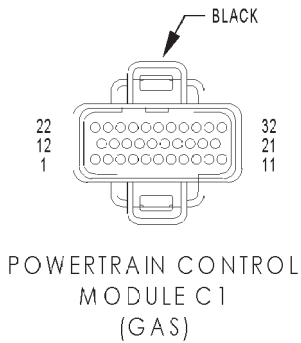
POWERTRAIN CONTROL
MODULE C1
(DIESEL)

POWERTRAIN CONTROL MODULE C1 (DIESEL) - BLACK 32 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	F18 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	K4 18BK/LB	SENSOR GROUND
5	-	-
6	T41 18BK/WT (A/T)	PARK/NEUTRAL POSITION SWITCH SENSE
7	-	-
8	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	A14 14RD/WT	FUSED B(+)
23	K22 18OR/DB	THROTTLE POSITION SENSOR SIGNAL
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-

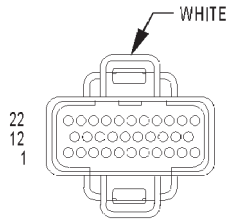
POWERTRAIN CONTROL MODULE C1 (DIESEL) - BLACK 32 WAY

CAV	CIRCUIT	FUNCTION
29	-	-
30	-	-
31	Z12 14BK/TN	GROUND
32	Z12 14BK/TN	GROUND



POWERTRAIN CONTROL MODULE C1 (GAS)- BLACK 32 WAY

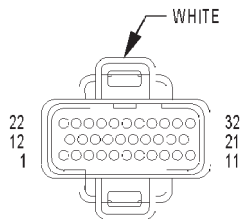
CAV	CIRCUIT	FUNCTION
1	K32 18YL/GY(8.0L)	IGNITION COIL NO. 4 DRIVER
2	F18 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	K18 18RD/BK(8.0L)	IGNITION COIL NO. 3 DRIVER
4	K4 18BK/LB	SENSOR GROUND
5	K43 18DG/GY(8.0L)	IGNITION COIL NO. 5 DRIVER
6	T41 18BK/WT (A/T)	PARK/NEUTRAL POSITION SWITCH SENSE
7	K19 18BK/GY	IGNITION COIL NO.1
7	K19 18BK/GY(5.9L)	IGNITION COIL NO. 1 DRIVER
8	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
9	K17 18DB/WT(8.0L)	IGNITION COIL NO. 2 DRIVER
10	K60 18YL/BK	IDLE AIR CONTROL NO. 2 DRIVER
11	K40 18BR/WT	IDLE AIR CONTROL NO. 3 DRIVER
12	-	-
13	G113 18OR	PTO SWITCH SENSE
14	-	-
15	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL
16	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
17	K6 18VT/WT	5V SUPPLY
18	K44 18TN/YL	CAMSHAFT POSITION SENSOR SIGNAL
19	K39 18GY/RD	IDLE AIR CONTROL NO. 1 DRIVER
20	K59 18VT/BK	IDLE AIR CONTROL NO. 4 DRIVER
21	-	-
22	A14 16RD/WT	FUSED B(+)
23	K22 18OR/DB	THROTTLE POSITION SENSOR SIGNAL
24	K41 18BK/DG(5.9L/8.0L)	OXYGEN SENSOR 1/1 SIGNAL
24	K141 18TN/WT(CALIFORNIA)	OXYGEN SENSOR 1/1 SIGNAL
25	K341 18OR/BK(5.9L)(CALIFORNIA)	OXYGEN SENSOR 1/2 SIGNAL
25	K341 18OR/BK(A/T)(CALIFORNIA)	OXYGEN SENSOR 1/3 SIGNAL
26	K241 18LG/RD(CALIFORNIA)	OXYGEN SENSOR 2/1 SIGNAL
26	K241 18LG/RD(8.0L/5.9L)	OXYGEN SENSOR 2/1 SIGNAL
27	K1 18DG/RD	MAP SENSOR SIGNAL
28	-	-
29	K141 18TN/WT(8.0L)(A/T)(CALIFORNIA)	OXYGEN SENSOR 1/2 SIGNAL
29	K441 18OR/TN(5.9L)(CALIFORNIA)	OXYGEN SENSOR 2/2 SIGNAL
30	-	-
31	Z12 14BK/TN	GROUND
32	Z12 14BK/TN	GROUND
A24	K141 18TN/WT(5.9L)	OXYGEN SENSOR 1/1 SIGNAL
B24	K141 18TN/WT(5.9L)	OXYGEN SENSOR 1/1 SIGNAL



POWERTRAIN CONTROL
MODULE C2
(DIESEL)

POWERTRAIN CONTROL MODULE C2 (DIESEL) - WHITE 32 WAY

CAV	CIRCUIT	FUNCTION
1	T54 18VT (A/T)	TRANSMISSION TEMPERATURE SENSOR SIGNAL
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	K88 18VT/WT (A/T)	GOVERNOR PRESSURE SOLENOID CONTROL
9	-	-
10	K20 18DG	GENERATOR FIELD
11	K54 18OR/BK (A/T)	TORQUE CONVERTER CLUTCH SOLENOID CONTROL
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	T60 18BR (A/T)	3-4 SHIFT SOLENOID CONTROL
22	-	-
23	-	-
24	-	-
25	T13 18DB/BK	OUTPUT SPEED SENSOR GROUND
26	-	-
27	G7 18WT/OR (A/T)	VEHICLE SPEED SENSOR SIGNAL
28	T14 18LG/BK	OUTPUT SPEED SENSOR SIGNAL
29	T25 18LG/WT (A/T)	GOVERNOR PRESSURE SENSOR SIGNAL
30	K30 18PK (A/T)	TRANSMISSION CONTROL RELAY CONTROL
31	K7 18OR (A/T)	5V SUPPLY
32	-	-



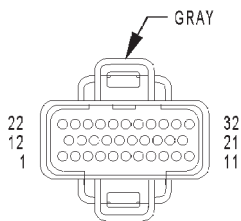
POWERTRAIN CONTROL
MODULE C2
(GAS)

POWERTRAIN CONTROL MODULE C2 (GAS) - WHITE 32 WAY

CAV	CIRCUIT	FUNCTION
1	T54 18VT (A/T)(5.9L)	TRANSMISSION TEMPERATURE SENSOR SIGNAL
2	K26 18VT/TN (5.9L)	FUEL INJECTOR NO. 7 DRIVER
3	K115 18TN/BK (8.0L)	FUEL INJECTOR NO. 9 DRIVER
4	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER
5	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER
6	K38 18GY(5.9L)	FUEL INJECTOR NO.5 DRIVER
6	K38 18GY(8.0L)	FUEL INJECTOR NO. 5 DRIVER
7	-	-
8	K88 18VT/WT (A/T)	GOVERNOR PRESSURE SOLENOID CONTROL
9	-	-
10	K20 18DG	GENERATOR FIELD
11	K54 18OR/BK(A/T)(5.9L)	TORQUE CONVERTER CLUTCH SOLENOID CONTROL
12	K58 18BR/DB(8.0L)	FUEL INJECTOR NO. 6 DRIVER
12	K58 18BR/DB(5.9L)	FUEL INJECTOR NO.6 DRIVER

POWERTRAIN CONTROL MODULE C2 (GAS) - WHITE 32 WAY

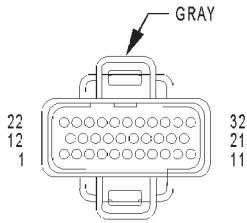
CAV	CIRCUIT	FUNCTION
13	K28 18GY/LB (5.9L)(8.0L)	FUEL INJECTOR NO. 8 DRIVER
14	K116 18WT (8.0L)	FUEL INJECTOR NO. 10 DRIVER
15	K12 18TN	FUEL INJECTOR NO. 2 DRIVER
16	K14 18LB/BR	FUEL INJECTOR NO. 4 DRIVER
17	-	-
18	-	-
19	-	-
20	-	-
21	T60 18BR (A/T)(5.9L)	3-4 SHIFT SOLENOID CONTROL
22	-	-
23	G60 18GY/OR	ENGINE OIL PRESSURE SENSOR SIGNAL
23	G60 18GY/OR(5.9L)	ENGINE OIL PRESURE SENSOR SIGNAL
24	-	-
25	T13 18DB/BK (A/T)(5.9L)	OUTPUT SPEED SENSOR GROUND
26	-	-
27	G7 18WT/OR	VEHICLE SPEED SENSOR SIGNAL
28	T14 18LG/BK (A/T)(5.9L)	OUTPUT SPEED SENSOR SIGNAL
29	T25 18LG/WT (A/T)(5.9L)	GOVERNOR PRESSURE SENSOR SIGNAL
30	K30 18PK (A/T)(5.9L)	TRANSMISSION CONTROL RELAY CONTROL
31	K7 18OR (A/T)(5.9L)	5V SUPPLY
32	-	-


**POWERTRAIN CONTROL
MODULE C3
(DIESEL)**
POWERTRAIN CONTROL MODULE C3 (DIESEL) - GRAY 32 WAY

CAV	CIRCUIT	FUNCTION
1	C13 18DB/OR	A/C COMPRESSOR CLUTCH RELAY CONTROL
2	-	-
3	K51 18DB/YL	AUTOMATIC SHUT DOWN RELAY CONTROL
4	V36 18TN/RD	SPEED CONTROL VACUUM SOLENOID CONTROL
5	V35 18LG/RD	SPEED CONTROL VENT SOLENOID CONTROL
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	V32 18YL/RD	SPEED CONTROL SUPPLY
12	A142 14DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
13	T6 18OR/WT (A/T)	OVERDRIVE OFF SWITCH SENSE
14	-	-
15	K118 18PK/YL	BATTERY TEMPERATURE SENSOR SIGNAL
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	C20 18BR	A/C SWITCH SENSE
23	C90 18LG/WT	A/C SELECT INPUT
24	V40 18WT/PK	BRAKE SWITCH SENSE
25	T125 18DB	GENERATOR SOURCE
26	K226 18DB/WT	FUEL LEVEL SENSOR SIGNAL
27	D21 18PK/DB	SCI TRANSMIT

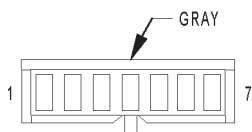
POWERTRAIN CONTROL MODULE C3 (DIESEL) - GRAY 32 WAY

CAV	CIRCUIT	FUNCTION
28	D2 18WT/BK	CCD BUS(-)
29	D220 18WT/VT	SCI RECEIVE
30	D1 18VT/BR	CCD BUS(+)
31	-	-
32	V37 18RD/LG	SPEED CONTROL SWITCH SIGNAL

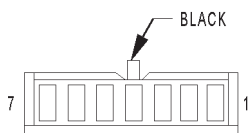

POWERTRAIN CONTROL
MODULE C3
(GAS)

POWERTRAIN CONTROL MODULE C3 (GAS) - GRAY 32 WAY

CAV	CIRCUIT	FUNCTION
1	C13 18DB/OR	A/C COMPRESSOR CLUTCH RELAY CONTROL
2	-	-
3	K51 18DB/YL	AUTOMATIC SHUT DOWN RELAY CONTROL
4	V36 18TN/RD	SPEED CONTROL VACUUM SOLENOID CONTROL
5	V35 18LG/RD	SPEED CONTROL VENT SOLENOID CONTROL
6	-	-
7	-	-
8	K199 18BR/VT(5.9L)	OXYGEN SENSOR 1/1 HEATER CONTROL
8	Z11 18BK/WT(5.9HD/8.0L)	OXYGEN SENSOR 1/1 HEATER CONTROL
8	K199 18BR/VT (CALIFORNIA)(5.9L)	OXYGEN SENSOR 1/1 HEATER CONTROL
9	K145 20DG/PK (CALIFORNIA)(5.9L)	OXYGEN SENSOR DOWNSTREAM RELAY CONTROL
10	K106 18WT/DG	LEAK DETECTION PUMP SOLENOID CONTROL
11	V32 18YL/RD	SPEED CONTROL SUPPLY
12	A142 14DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
13	T6 18OR/WT (A/T)	OVERDRIVE OFF SWITCH SENSE
14	K107 18OR	LEAK DETECTION PUMP SWITCH SENSE
15	K118 18PK/YL	BATTERY TEMPERATURE SENSOR SIGNAL
16	Z11 18BK/WT(5.9LHD/8.0L)	No Function Defined
16	K299 18BR.WT(CALIFORNIA)(5.9L)	OXYGEN SENSOR 2/1 HEATER CONTROL
16	K299 18BR/WT(5.9L)	OXYGEN SENSOR 1/2 SIGNAL CONTROL
17	-	-
18	-	-
19	K31 18BR/WT	FUEL PUMP RELAY CONTROL
20	K52 18PK/WT	EVAPORATIVE EMISSION SOLENOID CONTROL
21	-	-
22	C20 18BR	A/C SWITCH SENSE
23	C90 18LG/WT	A/C SELECT INPUT
24	V40 18WT/PK	BRAKE SWITCH SENSE
25	T125 18DB	GENERATOR SOURCE
26	K226 18DB/WT(CALIFORNIA)(5.9L)	FUEL LEVEL SENSOR SIGNAL
27	D21 18PK/DB	SCI TRANSMIT
28	D2 18WT/BK	CCD BUS (-)
29	D20 18DG	SCI RECEIVE
30	D1 18VT/BR	CCD BUS (+)
31	-	-
32	V37 18RD/LG	SPEED CONTROL SWITCH SIGNAL
A8	K199 18BR/VT(5.9L)	OXYGEN SENSOR 1/1 HEATER CONTROL


RADIO C1
RADIO C1 - GRAY 7 WAY

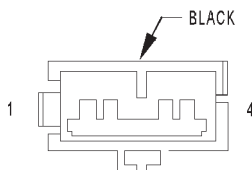
CAV	CIRCUIT	FUNCTION
1	-	-
2	X55 18BR/RD	LEFT FRONT DOOR SPEAKER (-)
3	X56 18DB/RD	RIGHT FRONT DOOR SPEAKER (-)
4	E17 18YL/BK	DAY BRIGHTNESS SENSE
5	E2 22OR	PANEL LAMPS FEED
6	X12 16RD/WT	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
7	M1 22PK	FUSED B(+)


RADIO C2
RADIO C2 - BLACK 7 WAY

CAV	CIRCUIT	FUNCTION
1	X16 22LG	ANTENNA RELAY OUTPUT
2	X51 18BR/YL	LEFT REAR SPEAKER (+)
3	X52 18DB/WT	RIGHT REAR SPEAKER (+)
4	X53 18DG	LEFT FRONT DOOR SPEAKER (+)
5	X54 18VT	RIGHT FRONT DOOR SPEAKER (+)
6	X57 18BR/LB	LEFT REAR SPEAKER (-)
7	X58 18DB/OR	RIGHT REAR SPEAKER (-)


RADIO C3
RADIO C3 - 2 WAY

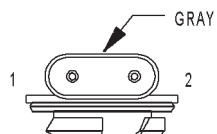
CAV	CIRCUIT	FUNCTION
1	D1 20VT/BR	CCD BUS (+)
2	D2 20WT/BK	CCD BUS (-)


**RADIO CHOKE
RELAY**
RADIO CHOKE RELAY - BLACK 4 WAY

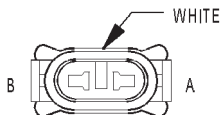
CAV	CIRCUIT	FUNCTION
1	X60 16DG/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
2	X13 16BK/RD	RADIO CHOKE RELAY OUTPUT
3	X16 22LG	ANTENNA RELAY OUTPUT
4	Z9 16BK/VT	GROUND


**REAR WHEEL
SPEED SENSOR
(ABS)**
REAR WHEEL SPEED SENSOR (ABS) - 2 WAY

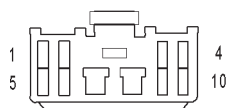
CAV	CIRCUIT	FUNCTION
1	B114 20WT/VT	REAR WHEEL SPEED SENSOR (-)
2	B113 20RD/VT	REAR WHEEL SPEED SENSOR (+)



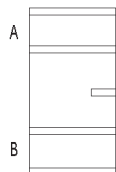
RIGHT
BACK-UP LAMP



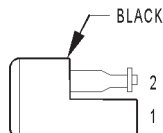
RIGHT FOG
LAMP



RIGHT FRONT
DOOR SPEAKER
(PREMIUM)



RIGHT FRONT
DOOR SPEAKER
(STANDARD)



RIGHT FRONT
FENDER LAMP
(DUAL REAR WHEELS)

RIGHT BACK-UP LAMP - GRAY 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z13 18BK	GROUND
2	L1 18VT/BK	BACK-UP LAMP FEED

RIGHT FOG LAMP - WHITE 2 WAY

CAV	CIRCUIT	FUNCTION
A	L34 20RD/OR	FUSED B(+)
B	L39 20LB	FOG LAMP SWITCH OUTPUT

RIGHT FRONT DOOR SPEAKER (PREMIUM) - 10 WAY

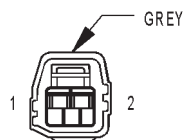
CAV	CIRCUIT	FUNCTION
1	X82 20LB/RD	AMPLIFIED HIGH RIGHT FRONT DOOR SPEAKER (+)
2	X80 20LB/BK	AMPLIFIED HIGH RIGHT FRONT DOOR SPEAKER (-)
3	X54 18VT	RIGHT FRONT SPEAKER (+)
4	X56 18DB/RD	RIGHT FRONT SPEAKER (-)
5	X92 18TN/BK	AMPLIFIED LOW RIGHT REAR SPEAKER (-)
6	X94 18TN/VT	AMPLIFIED LOW RIGHT REAR SPEAKER (+)
7	X13 16BK/RD	RADIO CHOKE RELAY OUTPUT
8	Z9 16BK/VT	GROUND
9	X52 18DB/WT	RIGHT REAR SPEAKER (+)
10	X58 18DB/OR	RIGHT REAR SPEAKER (-)

RIGHT FRONT DOOR SPEAKER (STANDARD) - 2 WAY

CAV	CIRCUIT	FUNCTION
A	X56 20DB/RD	RIGHT FRONT SPEAKER (-)
B	X54 20VT	RIGHT FRONT SPEAKER (+)

RIGHT FRONT FENDER LAMP (DUAL REAR WHEELS) - BLACK 2 WAY

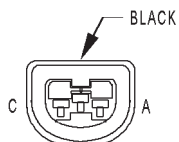
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z13 18BK	GROUND



RIGHT FRONT
WHEEL SPEED
SENSOR
(ABS)

RIGHT FRONT WHEEL SPEED SENSOR (ABS) - GRAY 2 WAY

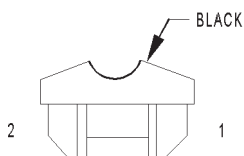
CAV	CIRCUIT	FUNCTION
1	B6 20WT/DB	RIGHT FRONT WHEEL SPEED SENSOR (-)
2	B7 20WT	RIGHT FRONT WHEEL SPEED SENSOR (+)



RIGHT
HEADLAMP

RIGHT HEADLAMP - BLACK 3 WAY

CAV	CIRCUIT	FUNCTION
A	L45 18PK/RD	FUSED B(+)
B	-	-
C	L33 18LG/BR	HIGH BEAM HEADLAMP DRIVER



RIGHT LICENSE
LAMP

RIGHT LICENSE LAMP - BLACK 2 WAY

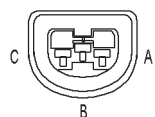
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	PARK LAMP RELAY OUTPUT
2	Z13 18BK	GROUND



RIGHT OUTBOARD
CLEARANCE
LAMP

RIGHT OUTBOARD CLEARANCE LAMP - 2 WAY

CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z4 18BK	GROUND



RIGHT OUTBOARD
HEADLAMP

RIGHT OUTBOARD HEADLAMP - 3 WAY

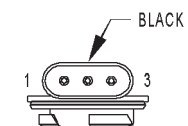
CAV	CIRCUIT	FUNCTION
C	L3 16RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
B	L44 18VT/RD (QUAD HEADLAMP)	FUSED B(+)
B	L4 16VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
A	L44 18VT/RD	FUSED B(+)
A	L4 16VT/WT (QUAD HEADLAMP)	DIMMER SWITCH LOW BEAM OUTPUT



RIGHT OUTBOARD
IDENTIFICATION
LAMP

RIGHT OUTBOARD IDENTIFICATION LAMP - 2 WAY

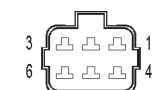
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z4 18BK	GROUND



RIGHT PARK/
TURN SIGNAL
LAMP

RIGHT PARK/TURN SIGNAL LAMP - BLACK 3 WAY

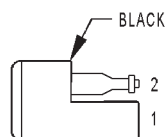
CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	L7 18BK/YL	PARK LAMP RELAY OUTPUT
3	L60 18LG/TN	RIGHT TURN SIGNAL



RIGHT POWER
MIRROR

RIGHT POWER MIRROR - 6 WAY

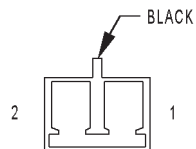
CAV	CIRCUIT	FUNCTION
1	P72 20YL/BK	RIGHT MIRROR UP DRIVER
2	P74 20DB	RIGHT MIRROR LEFT DRIVER
3	P70 20WT	RIGHT MIRROR COMMON DRIVER (RIGHT/DOWN)
4	C16 20LB/YL	HEATED MIRROR
5	Z2 20BK/LG	GROUND
6	-	-



RIGHT REAR
FENDER LAMP
(DUAL REAR WHEELS)

RIGHT REAR FENDER LAMP (DUAL REAR WHEELS) - BLACK 2 WAY

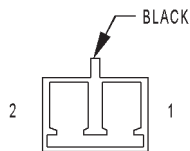
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z13 18BK	GROUND



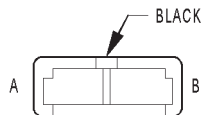
RIGHT REAR
SPEAKER
(2 DOOR PREMIUM)

RIGHT REAR SPEAKER (2 DOOR PREMIUM) - BLACK 2 WAY

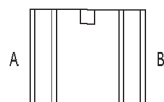
CAV	CIRCUIT	FUNCTION
1	X94 18TN/VT	AMPLIFIED LOW RIGHT REAR SPEAKER (+)
2	X92 18TN/BK	AMPLIFIED LOW RIGHT REAR SPEAKER (-)



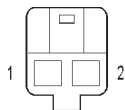
RIGHT REAR
SPEAKER
(4 DOOR PREMIUM)



RIGHT REAR
SPEAKER
(STANDARD 2 DOOR)



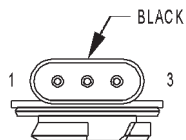
RIGHT REAR
SPEAKER
(STANDARD 4 DOOR)



RIGHT REMOTE
RADIO SWITCH



RIGHT SPEED
CONTROL SWITCH



RIGHT TAIL/
STOP/TURN
SIGNAL LAMP

RIGHT REAR SPEAKER (4 DOOR PREMIUM) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	X57 18BR/LB	AMPLIFIED LOW RIGHT REAR SPEAKER (-)
2	X51 18BR/YL	AMPLIFIED LOW RIGHT REAR SPEAKER (+)

RIGHT REAR SPEAKER (STANDARD 2 DOOR) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
A	X58 18DB/OR	RIGHT REAR SPEAKER (-)
B	X52 18DB/WT	RIGHT REAR SPEAKER (+)

RIGHT REAR SPEAKER (STANDARD 4 DOOR) - 2 WAY

CAV	CIRCUIT	FUNCTION
A	X58 18DB/OR	RIGHT REAR SPEAKER (-)
B	X52 18DB/WT	RIGHT REAR SPEAKER (+)

RIGHT REMOTE RADIO SWITCH - 2 WAY

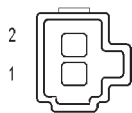
CAV	CIRCUIT	FUNCTION
1	Z2 22BK/LG	GROUND
2	X20 22RD/BK	RADIO CONTROL MUX

RIGHT SPEED CONTROL SWITCH - 2 WAY

CAV	CIRCUIT	FUNCTION
1	K4 22WT	SENSOR GROUND
1	K4 22WT	SENSOR GROUND
2	V37 22DG/RD	SPEED CONTROL SWITCH SIGNAL

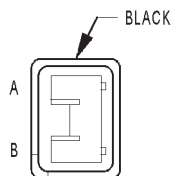
RIGHT TAIL/STOP/TURN SIGNAL LAMP - BLACK 3 WAY

CAV	CIRCUIT	FUNCTION
1	Z13 18BK	GROUND
2	L7 18BK/YL	PARK LAMP RELAY OUTPUT
3	L62 18DG/BR	RIGHT TURN SIGNAL


RIGHT TWEETER
(PREMIUM)

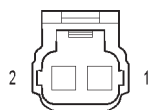
RIGHT TWEETER (PREMIUM) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	X82 20LB/RD	AMPLIFIED HIGH RIGHT FRONT SPEAKER (+)
2	X80 20LB/BK	AMPLIFIED HIGH RIGHT FRONT SPEAKER (-)


RIGHT VISOR/VANITY
LAMP

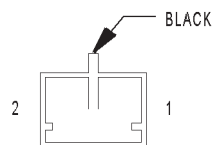
RIGHT VISOR/VANITY LAMP - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
A	M1 20PK	FUSED B(+)
B	Z4 20BK	GROUND


SEAT
BELT SWITCH
(CLUB CAB)

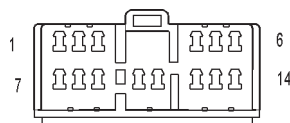
SEAT BELT SWITCH (CLUB CAB) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z2 20BK/LG	GROUND
2	G10 22LG/RD (HEATED SEATS)	SEAT BELT SWITCH SENSE
2	G10 20LG/RD (MANUAL NON-HEATED SEATS)	SEAT BELT SWITCH SENSE


SEAT BELT
SWITCH
(STANDARD CAB)

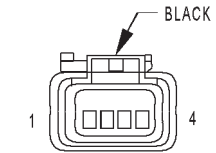
SEAT BELT SWITCH (STANDARD CAB) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z2 20BK/LG	GROUND
2	G10 20LG/RD	SEAT BELT SWITCH SENSE


SEAT
HEAT
INTERFACE
MODULE

SEAT HEAT INTERFACE MODULE - 14 WAY

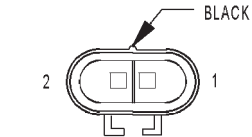
CAV	CIRCUIT	FUNCTION
1	P7 20LB/BK	DRIVER HEATED SEAT SWITCH
2	P144 20BK/WT	SEAT TEMPERATURE 5V SUPPLY
3	P130 16TN	RIGHT SEAT HEATER B(+) DRIVER
4	F235 16RD	B(+) TO HEATED SEAT MODULE
5	P131 16RD/DG	LEFT SEAT HEATER B(+) DRIVER
6	F235 16RD	B(+) TO HEATED SEAT MODULE
7	P142 22DB	RIGHT SEAT TEMPERATURE SENSOR INPUT
8	P141 20TN/LB	LEFT SEAT TEMPERATURE SENSOR INPUT
9	P8 20LB/WT	PASSENGER HEATED SEAT SWITCH
10	P138 20VT/LG	RIGHT SEAT LOW HEAT LED DRIVER
11	P140 20VT/BK	RIGHT SEAT HIGH HEAT LED DRIVER
12	P137 20DG	LEFT SEAT LOW HEAT LED DRIVER
13	Z2 18BK/LG	GROUND
14	P139 20WT	LEFT SEAT HIGH HEAT LED DRIVER



**SPEED
CONTROL SERVO**

SPEED CONTROL SERVO - BLACK 4 WAY

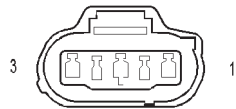
CAV	CIRCUIT	FUNCTION
1	V36 20TN/RD	SPEED CONTROL VACUUM SOLENOID CONTROL
2	V35 20LG/RD	SPEED CONTROL VENT SOLENOID CONTROL
3	V30 20DB/RD	SPEED CONTROL BRAKE SWITCH OUTPUT
4	Z1 20BK	GROUND



**TAILGATE LAMP
(DUAL REAR WHEELS)**

TAILGATE LAMP (DUAL REAR WHEELS) - BLACK 2 WAY

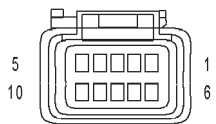
CAV	CIRCUIT	FUNCTION
1	Z13 18BK	GROUND
2	L7 18BK/YL	HEADLAMP SWITCH OUTPUT



**THROTTLE
POSITION SENSOR
(GAS)**

THROTTLE POSITION SENSOR (GAS) - 3 WAY

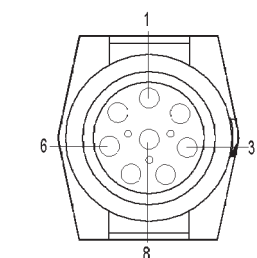
CAV	CIRCUIT	FUNCTION
1	K6 20VT/WT	5V OUTPUT
2	K22 18OR/DB	THROTTLE POSITION SENSOR SIGNAL
3	K4 20BK/LB	SENSOR GROUND



**TRAILER TOW
CONNECTOR**

TRAILER TOW CONNECTOR - 10 WAY

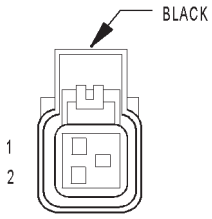
CAV	CIRCUIT	FUNCTION
1	-	-
2	L62 16BR/RD	RIGHT TURN SIGNAL
3	L1 18VT/BK	BACK-UP LAMP FEED
4	A6 14RD/OR	FUSED B(+)
5	L76 14BK/OR	TRAILER TOW RELAY OUTPUT
6	-	-
7	B40 14LB	TRAILER TOW BRAKE B(+)
8	Z13 14BK	GROUND
9	Z13 14BK	GROUND
10	L63 16DG/RD	LEFT TURN SIGNAL



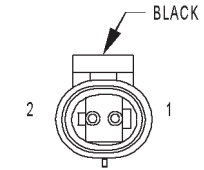
**TRANSMISSION
SOLENOID ASSEMBLY**

TRANSMISSION SOLENOID ASSEMBLY - 8 WAY

CAV	CIRCUIT	FUNCTION
1	T16 18RD	TRANSMISSION CONTROL RELAY OUTPUT
2	K7 18OR	5V SUPPLY
3	K4 18BK/LB	SENSOR GROUND
4	T25 18LG/WT	GOVERNOR PRESSURE SENSOR SIGNAL
5	K88 18VT/WT	GOVERNOR PRESSURE SOLENOID CONTROL
6	T60 18BR	3-4 SHIFT SOLENOID CONTROL
7	K54 18OR/BK	TORQUE CONVERTER CLUTCH SOLENOID CONTROL
8	T54 18VT	TRANSMISSION TEMPERATURE SENSOR SIGNAL



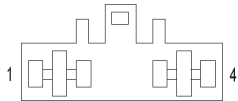
UNDERHOOD
LAMP



WASHER FLUID
LEVEL SWITCH



WATER IN FUEL
SENSOR
(DIESEL)



WIPER MOTOR

UNDERHOOD LAMP - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	M1 20PK	FUSED B(+)

WASHER FLUID LEVEL SWITCH - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	G29 18BK/WT	WASHER FLUID SWITCH SENSE
2	Z1 18BK	GROUND

WATER IN FUEL SENSOR (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
A	K104 18BK/LB	SENSOR GROUND
B	K1 18DG/RD	WATER IN FUEL SENSOR SIGNAL

WIPER MOTOR - 4 WAY

CAV	CIRCUIT	FUNCTION
1	V4 16RD/YL	WIPER SWITCH HIGH SPEED OUTPUT
2	V5 16DG	WIPER PARK SWITCH SENSE
3	V6 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
4	V3 16BR/WT	LOW SPEED WIPER SWITCH OUTPUT

8W-91 CONNECTOR/GROUND/SPLICE LOCATION**TABLE OF CONTENTS**

page

CONNECTOR/GROUND/SPLICE LOCATION

DESCRIPTION 1

**CONNECTOR/GROUND/SPLICE
LOCATION****DESCRIPTION**

This section provides illustrations identifying connector, ground, and splice locations in the vehicle.

Connector, ground, and splice indexes are provided. Use the wiring diagrams in each section for connector, ground, and splice identification. Refer to the index for the proper figure number. For items that are not shown in this section N/S is placed in the Fig. column.

CONNECTORS

CONNECTOR NAME/ NUMBER	COLOR	LOCATION	FIG.
4WD Switch	BK	On Front Axle	N/S
A/C Compressor Clutch	BK	Rear of A/C Compressor	7, 8, 11
A/C Heater Control	BK	Center of Instrument Panel	33
A/C Heater Temperature Select	NAT	Center of Instrument Panel	33
A/C High Pressure Switch	BK	At A/C Compressor	7, 8, 11
A/C Low Pressure Switch	BK	Top of A/C Accumulator	1, 3
Accelerator Pedal Position Sensor (Diesel)		Left Front of Engine	13, 14
Aftermarket Trailer Tow Connector		Rear of Vehicle	N/S
Airbag Control Module		Center of I.P. at Airbag Control Module	30
Ambient Temperature Sensor	BK	Radiator Left Support	N/S
Ash Receiver Lamp	BK	Center of Instrument Panel	34
Back-up Lamp Switch (M/T)	BK	Top of Transmission	16
Battery Temperature Sensor	BK	Below Battery Tray	21
Blend Door Actuator		Center of Instrument Panel	N/S
Blower Motor	BK	Bottom Right of Instrument Panel	30
Blower Motor Resistor Block	BK	Bottom Right of Instrument Panel	34
Brake Lamp Switch		Brake Pedal Arm	30, 32
Brake Pressure Switch	BK	At Master Cylinder	18
Bypass Jumper (A/T)	GN	Top Of Clutch Pedal	35
C105		Rear of Front Bumper	N/S
C106	BK	Rear of Front Bumper	22
C114	BK	Radiator Left Support	20
C125 (Diesel)	BK	Left Rear of Engine Compartment	3

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/ NUMBER	COLOR	LOCATION	FIG.
C126 (Diesel)	GY	Left Rear of Engine Compartment	3
C129	BK	Above Left Front Body Cushion	20, 29
C130		At Power Distribution Center	1, 3
C134	BK	Left Cowl	30, 33, 35
C203		Left Cowl	30, 33
C205		Instrument Panel Center Support	N/S
C206		Left Cowl	25, 30, 33
C237		Bottom Right of Instrument Panel	30, 34
C303	BK	Below Driver's Seat	23
C308		Center Rear of Headliner	N/S
C329	BK	Below Right Tail Lamp	27
C333	BK	Below Left Tail Lamp	27
C342	BK	Left Rear of Frame	27
C343	BK	Left Rear of Frame	27
C344 (Dual Rear Wheels)	BK	Left Rear of Frame	N/S
C345		Right Door	N/S
C346		Right Door	N/S
C347		Left Door	25
C348		Left Door	25
C352	WT	Left A-Pillar	25
C353	WT	Right A-Pillar	25
C358	NAT	Left Side Instrument Panel	25, 30, 33, 35
C359		Heated Seat To Body Wiring	23
C360		Below Driver's Seat	23
C361		Left Rear Speaker Wiring	N/S
C364		Right Rear Speaker Wiring	N/S
C365		Under Passenger Power Seat	N/S
Camshaft Position Sensor (V8)	GY	Near of Distributor	5
Camshaft Position Sensor (V10)	GY	Front of Engine	8
Camshaft Position Sensor (Diesel)		Left Front of Engine	13
Cargo Lamp No. 1	BK	Rear of Lamp	N/S
Cargo Lamp No. 2	BK	Rear of Lamp	N/S
Center High Mounted Stop Lamp No. 1	BK	Rear of Cab	23
Center High Mounted Stop Lamp No. 2	BK	Rear of Cab	23
Center Identification Lamp	BK	Behind Front of Headliner	25
Central Timer Module C1		Left Side Under Instrument Panel	30, 32
Central Timer Module C2		Left Side Under Instrument Panel	30, 32
Cigar Lighter	NAT	Center of Instrument Panel	33

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/ NUMBER	COLOR	LOCATION	FIG.
Clockspring C1		Steering Column	32
Clockspring C2		Steering Column	32
Clockspring C3		Steering Column	32
Clutch Pedal Position Switch (M/T)	BK	Top of Clutch Pedal	35
Controller Anti-Lock Brake C1	BK	Left Fender Side Shield	18
Controller Anti-Lock Brake C2 (ABS)	BK	Left Fender Side Shield	18
Crankshaft Position Sensor (V8)	BK	Rear of Engine Block	5
Crankshaft Position Sensor (V10)	GY	Right Side of Engine Block	8
Cummins Bus (-)		Left Front of Engine	13
Cup Holder Lamp	BK	Center of Instrument Panel	30, 34
Data Link Connector	BK	Left Bottom of Instrument Panel	30, 32
Day/Night Mirror	BK	Day/Night Mirror	N/S
Daytime Running Lamp Module	BK	Left Fender Side Shield	18
Dome Lamp	BK	Rear of Cab	23
Driver Airbag	YL	Steering Wheel	N/S
Driver Cylinder Lock Switch	BK	In Door	24
Driver Door Ajar Switch	NAT	Door Jamb	N/S
Driver Door Lock Motor	BK	In Door	24
Driver Door Window/Lock Switch	BL	In Door	24
Driver Heated Seat Cushion	BL	Under Seat	N/S
Driver Heated Seat Switch	RD	Center of Instrument Panel	N/S
Driver Lumbar Motor		Under Seat	N/S
Driver Power Seat Front Vertical Motor	BK	Under Seat	N/S
Driver Power Seat Horizontal Motor	BK	Under Seat	N/S
Driver Power Seat Rear Vertical Motor	BK	Under Seat	N/S
Driver Power Seat Switch		At Seat	N/S
Driver Power Window Motor		In Door	24
EVAP/Purge Solenoid	BK	Right Fender Side Shield	22
Electric Brake Provision		Bottom Left of Instrument Panel	N/S
Engine Control Module (Diesel)		Left Side Engine	15
Engine Coolant Temperature Sensor (Diesel)	BK	Left Front of Cylinder Head (Diesel)	13
Engine Coolant Temperature Sensor (Gas)	BK	On Thermostat Housing	5, 8

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/ NUMBER	COLOR	LOCATION	FIG.
Engine Oil Pressure Sensor (V8)	BK	Near Distributor	5
Engine Oil Pressure Sensor (V10)		Near Oil Filter	8
Engine Oil Pressure Sensor (Diesel)		Left Side of Engine	15
Fuel Heater (Diesel)		Left Side of Engine	13
Fuel Injection Pump (Diesel)		Left Side of Engine, Below ECM	13
Fuel Injector No.1	BK	At Fuel Injector	7
Fuel Injector No. 2	BK	At Fuel Injector	7, 8
Fuel Injector No. 3	BK	At Fuel Injector	7, 8
Fuel Injector No. 4	BK	At Fuel Injector	7, 8
Fuel Injector No. 5	BK	At Fuel Injector	7, 8
Fuel Injector No. 6	BK	At Fuel Injector	7, 8
Fuel Injector No. 7	BK	At Fuel Injector	7, 8
Fuel Injector No. 8	BK	At Fuel Injector	7, 8
Fuel Injector No. 9	BK	At Fuel Injector	8
Fuel Injector No. 10	BK	At Fuel Injector	8
Fuel Pump Module (Gas)	LTGY	At Frame Rail	29
Fuel Tank Module (Diesel)	LTGY	At Frame Rail	N/S
Fuel Transfer Pump (Diesel)		Left Rear of Engine Bottom of Pump	13
Generator	BK	Front of Engine	10, 11
Glove Box Lamp		At Glove Box	30
Headlamp Switch C1	BK	Left Side of Instrument Panel	30, 34
Headlamp Switch C2		Left Side of Instrument Panel	30, 34
Heated Mirror Switch		Center of Instrument Panel	33
High Note Horn	BK	Front Bumper Right Support	22
Idle Air Control Motor	BK	On Throttle Body	12
Ignition Coil (5.9L)	GY	Right Front of Engine	7, 12
Ignition Coil 4 Pack (8.0L)	BK	Right Side of Engine	12
Ignition Coil 6 Pack (8.0L)	BK	Right Side of Engine	12
Ignition Switch C1	BK	Steering Column	32
Ignition Switch C2	GY	Steering Column	32
Instrument Cluster C1		Rear of Instrument Cluster	30
Instrument Cluster C2		Rear of Instrument Cluster	30
Intake Air Heater Relay (Diesel)		Left Fender Side Shield	21
Intake Air Temperature Sensor (Diesel)		Left Rear of Engine	13
Intake Air Temperature Sensor (Gas)	BK	On Intake Manifold	7, 8
Joint Connector No. 1		In Power Distribution Center	N/S
Joint Connector No. 2		In Power Distribution Center	N/S

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/ NUMBER	COLOR	LOCATION	FIG.
Joint Connector No. 5	NAT	Left Side of Instrument Panel	32
Joint Connector No. 6	NAT	Left Side of Instrument Pane	32
Joint Connector No. 7	NAT	Left Side of Instrument Pane	32
Joint Connector No. 8	NAT	Center of Instrument Panel	30
Junction Block C1	BL	Left Cowl	35
Junction Block C2	NAT	Left Cowl	35
Junction Block C3		Left Cowl	25
Junction Block C4	BR	Left Cowl	33
Junction Block C5	GN	Left Cowl	33
Junction Block C6	BK	Left Cowl	33
Junction Block C7	LTGY	Left Cowl	33
Junction Block C8	OR	Left Cowl	33
Junction Block C9	NAT	Left Cowl	N/S
Leak Detection Pump (Gas)	BK	Right Fender Side Shield	22
Left Back-Up Lamp	GY	Rear of Lamp	N/S
Left Fog Lamp	WT	Rear of Fog Lamp	N/S
Left Front Door Speaker (Premium)	BK	In Door	24
Left Front Door Speaker (Standard)	BK	In Door	24
Left Front Fender Lamp	BK	On Fender	N/S
Left Front Wheel Speed Sensor (ABS)	BK	Left Fender Side Shield	18
Left Headlamp	BL	At Headlamp	N/S
Left License Lamp	BK	At Rear Bumper	N/S
Left Outboard Clearance Lamp	BK	Behind Front of Headliner	25
Left Outboard Headlamp	BL	At Headlamp	N/S
Left Outboard Identification Lamp	BK	Behind Front of Headliner	25
Left Park/Turn Signal Lamp	BK	At Lamp	N/S
Left Power Mirror	BK	In Door	24
Left Rear Fender Lamp	BK	On Fender	N/S
Left Rear Speaker (Premium)	BK	At B Pillar	23
Left Rear Speaker (Standard)		At B Pillar	23
Left Rear Door Speaker		In Door	23
Left Remote Radio Switch		Steering Wheel	N/S
Left Speed Control Switch		Steering Wheel	N/S
Left Tail/Stop Turn Signal Lamp	BK	At Rear Bumper	27
Left Tweeter (Premium)		Left A Pillar	N/S
Left Visor/Vanity Lamp	BK	Left A-Pillar	25, 26
License Lamps	BK	Rear Bumper	27

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/ NUMBER	COLOR	LOCATION	FIG.
Low Note Horn	BK	Front Bumper Right Support	22
Manifold Absolute Pressure Sensor (V8)	BK	On Throttle Body	7
Manifold Absolute Pressure Sensor (V10)	BK	Top of Intake Manifold	12
Manifold Air Pressure Sensor (Diesel)	BK	Rear of Intake Manifold	13
Multi-Function Switch		On Steering Column	32
Output Speed Sensor	DKBL	Left Side of Transmission	16
Overdrive Switch		On Shift Lever Arm	N/S
Overhead Console	BK	Front of Headliner	25, 26
Oxygen Sensor 1/1 Left Bank Up (5.9L HD/8.0L)		Left Exhaust Manifold Downpipe	N/S
Oxygen Sensor 1/1 Upstream (A/T Except 8.0L)		Catalytic Converter Inlet Side	N/S
Oxygen Sensor 1/2 Downstream (A/T Except 8.0L)		Catalytic Converter Outlet Side	N/S
Oxygen Sensor 1/2 Left Bank Down (California)		Catalytic Converter Outlet Side	N/S
Oxygen Sensor 1/2 Pre-catalyst (8.0L)		Catalytic Converter Inlet Side	N/S
Oxygen Sensor 1/3 Post Catalyst (8.0L)		Catalytic Converter Outlet Side	N/S
Oxygen Sensor 2/1 Right Bank Up (5.9L, 5.9HD, 8.0L, CAL)		Right Exhaust Manifold Downpipe	N/S
Oxygen Sensor 2/2 Right Bank Down (California)		Catalytic Converter Outlet Side	N/S
Oxygen Sensor 1/1 Left Bank Up		Left Side of Engine	N/S
Oxygen Sensor 1/1 Upstream (M/T Except 8.0L)		Catalytic Converter Outlet Side	N/S
Park/Neutral Position Switch	BK	Left Side of Transmission	16
Passenger Airbag		At Glove Box	30, 34
Passenger Airbag On/Off Switch C1		Lower Right Side of Instrument Panel	30, 33
Passenger Airbag On/Off Switch C2		Lower Right Side of Instrument Panel	30, 33
Passenger Cylinder Lock Switch	LTGY	In Door	N/S
Passenger Door Ajar Switch	NAT	In Door	N/S
Passenger Door Lock Motor	BK	In Door	N/S
Passenger Door Window/Lock Switch		In Door	N/S

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/ NUMBER	COLOR	LOCATION	FIG.
Passenger Heated Seat Switch	BL	Center of Instrument Panel	N/S
Passenger Heated Seat Cushion		Under Seat	N/S
Passenger Lumbar Motor		Under Seat	N/S
Passenger Power Seat Front Vertical Motor		Under Seat	N/S
Passenger Power Seat Horizontal Motor		Under Seat	N/S
Passenger Power Seat Rear Vertical Motor		Under Seat	N/S
Passenger Power Seat Switch		At Seat	N/S
Passenger Power Window Motor		In Door	N/S
Power Mirror Switch		Driver Door	24
Power Outlet	BK	Center of I.P.	33
Powertrain Control Module C1	BK	Right Rear Engine Compartment	1, 3
Powertrain Control Module C2	WT	Right Rear Engine Compartment	1, 3
Powertrain Control Module C3	GY	Right Rear Engine Compartment	1, 3
Radio Choke Relay	BK	Instrument Panel Center support	30, 33
Radio C1	GY	Rear of Radio	33
Radio C2	BK	Rear of Radio	33
Radio C3	BK	Instrument Panel Center Support	33
Rear Wheel Speed Sensor (ABS)	BK	Left Frame Rail, Near Fuel Tank	27, 29
Right Back-Up Lamp	GY	Rear of Lamp	N/S
Right Fog Lamp	WT	Rear of Fog Lamp	N/S
Right Front Door Speaker(Premium	BK	In Door	N/S
Right Front Door Speaker(Standard	BK	In Door	N/SN/S
Right Front Fender Lamp	BK	On Fender	27
Right Front Wheel Speed Sensor (ABS)	BK	Right Fender Side Shield	22
Right Headlamp	BK	At Headlamp	N/S
Right License Lamp	BK	At Rear Bumper	N/S
Right Outboard Clearance Lamp	BK	Behind Front of Headliner	25
Right Outboard Headlamp		At Headlamp	N/S
Right Outboard Identification Lamp	BK	Behind Front of Headliner	25

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/ NUMBER	COLOR	LOCATION	FIG.
Right Park/Turn Signal Lamp	BK	At Lamp	N/S
Right Power Mirror	BK	In Door	N/S
Right Rear Fender Lamp	BK	On Fender	27
Right Rear Speaker	BK	Bottom of Right B Pillar	23
Right Remote Radio Switch		Steering Wheel	N/S
Right Speed Control Switch		Steering Wheel	N/S
Right Tail/Stop Turn Signal Lamp	BK	At Rear Bumper	27
Right Tweeter (Premium)		Right A Pillar	N/S
Right Visor/Vanity Lamp	BK	Right A-Pillar	N/S
Seat Belt Switch	BK	Above Left Rear Speaker	23
Seat Heat Interface Module	BK	Under Seat	N/S
Tailgate Lamp		On Tailgate	27
Throttle Position Sensor (Gas)		Throttle Body	7, 12
Trailer Tow Connector	BK	On Trailer Hitch	27
Transmission Range Sensor	BK	Left side of Transmission	N/S
Transmission Solenoid Assembly	BK	Side of Transmission	16
Under Hood Lamp	BK	Underside of Hood	20
Vehicle Speed Control Servo	BK	Below Battery	21
Washer Fluid Level Switch	BK	At Reservoir	21
Water In Fuel Sensor (Diesel)	BK	Bottom of Fuel Filter/Water Separator	13
Windshield Washer Pump	BK	Bottom of Washer Fluid Reservoir	21
Wiper Motor	BK	Center Rear Engine Compartment	18

GROUNDS

GROUND NUMBER	LOCATION	FIG.
G100	Left Fender Side Shield	21
G101	Left Fender Side Shield	21
G102	Left Fender Side Shield (RWAL Ground)	N/S
G103	Near T/O for Wiper Motor	18
G105	Front of Engine (Engine Ground)	7, 8, 12
G107 (Diesel)	Left Rear of Engine	13
G113 (Diesel)	Primary Battery Engine Ground	N/S
G114	Battery Engine Ground	N/S
G115 (Diesel)	Primary Battery Body Ground	N/S
G116	Battery Frame Ground	N/S
G117 (Diesel)	Auxiliary Battery Engine Ground	N/S
G118 (Diesel)	Primary Frame Ground	N/S
G120 (Diesel)	Auxiliary Battery Body Ground	N/S

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

GROUND NUMBER	LOCATION	FIG.
G200	Left Cowl	32
G201	Instrument Panel Right Center Support	30, 33
G300	Left Lower Cowl	25
G301	Below Left Rear Speaker	23
G302	At Overhead Console	25

SPLICES

SPLICE NUMBER	LOCATION	FIG.
S100	Engine Harness Near T/O to Oil Pressure Sensor	7
S102	Headlamp and Dash Harness, Near T/O to Right Park/Turn Lamp	22
S103	Headlamp and Dash Harness, Near T/O to Left Park/Turn Lamp	N/S
S104	Headlamp and Dash Harness, Near T/O to Left Front Headlamp	N/S
S105	Headlamp and Dash Harness, In Power Distribution Center	19
S106	Headlamp and Dash Harness, In Power Distribution Center	19
S107	Headlamp and Dash Harness, Near Left Wheel Speed Sensor	19
S108	Headlamp and Dash Harness, Near Daytime Running Lamp Module	19
S109	Battery Harness, In T/O for Engine and Transmission Ground	N/S
S110	Headlamp and Dash Harness, Near Left Wheel Speed Sensor	19
S111	Transmission Harness Near T/O to A/C Low Pressure Switch	4
S112	Headlamp and Dash Harness, Near Antilock Brake Controller	19
S113	Headlamp and Dash Harness, Near Antilock Brake Controller	19
S114	Headlamp and Dash Harness, In T/O to Chassis Harness	19
S116(V8)	Engine Harness, Near T/O to Fuel Injectors	2
S116 (V10)	Engine Harness Rear of Engine	2, 9
S116 (Diesel)	Transmission Harness, In T/O to Power Distribution Center	4
S117 (V8)	Engine Harness, Near T/O to Fuel Injectors	2
S117 (V10)	Engine Harness, Near T/O to fuel Injector No. 8	2, 9
S118 (V8)	Engine Harness, Near T/O to Fuel Injectors	2
S118 (V10)	Engine Harness, Rear of Engine	2, 9
S119 (V8)	Engine Harness, Near T/O to Fuel Injectors	2
S119 (V10)	Engine Harness, Rear of Engine	2, 9
S120 (V8)	Engine Harness, Near T/O to Fuel Injectors	2
S120 (V10)	Engine Harness, Rear of Engine	2, 9, 17
S120 (Diesel)	Transmission Harness, Near T/O to A/C Low Pressure Switch	4
S121 (V8)	Engine Harness, Near T/O to Fuel Injector No. 5	7
S121 (V10)	Engine Harness, Near T/O to Fuel Injector No. 7	9
S122 (V8)	Engine Harness, Top of Transmission	6
S122 (V10)	Engine Harness, In T/O to Transmission	N/S
S123 (V8)	Engine Harness, Near T/O to Fuel Injector No. 3	7
S123 (V10)	Engine Harness, Near T/O to Fuel Injector No. 3	9

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

SPLICE NUMBER	LOCATION	FIG.
S124 (V8)	Engine Harness, Top of Transmission	6
S124 (V10)	Engine Harness, In T/O to Transmission	N/S
S126 (V8)	Engine Harness, Near T/O to Fuel Injector No. 1	7
S126 (V10)	Engine Harness, Near T/O to Engine Ground	9, 17
S126 (Diesel)	Transmission Harness, Near T/O to Powertrain Control Module	4
S127 (V8)	Engine Harness, on Top of Transmission	6
S127 (V10)	Engine Harness, Near T/O to Transmission	17
S127 (Diesel)	Transmission Harness, Near T/O to A/C Low Pressure Switch	4
S128 (Diesel)	Transmission Harness, Near T/O to Power Distribution Center	4
S130 (V8)	Engine Harness, Near T/O to Oil Pressure Sensor	7
S131 (V10)	Engine Harness, Rear of Engine	9
S134	Fog Lamp Harness, In T/O to Right Fog Lamp	N/S
S136	Fog Lamp Harness, In T/O to Right Fog Lamp	N/S
S141	Headlamp and Dash Harness, Near T/O to Joint Connector No. 3	22
S143	Headlamp and Dash Harness, Near T/O to Power Distribution Center	19
S144	Headlamp and Dash Harness, Near T/O to Joint Connector No. 3	22
S150	Front Bumper Right Support	22
S151	Left Front Engine Compartment	21
S152	Near Left Front Wheel Speed Sensor	
S160 (Diesel)	Engine Harness, Near Fuel Transfer Pump	N/S
S161 (Diesel)	Transmission Harness, In T/O to Power Distribution Center	4
S164 (Diesel)	Engine Harness, Near Fuel Transfer Pump	N/S
S165 (Diesel)	Engine Harness, Near Engine Control Module	N/S
S166 (Diesel)	Engine Harness, Near Engine Control Module	N/S
S167 (Diesel)	Engine Harness, Near Fuel Transfer Pump	N/S
S168 (Diesel)	Engine Harness, Near T/O to Engine Coolant Temperature Sensor	N/S
S170 (Diesel)	Engine Harness, In T/O to Engine Control Module	N/S
S171	Transmission Harness, In T/O to Power Distribution Center	4
S172 (Diesel)	Transmission Harness, Near T/O to A/C Low Pressure Switch	4
S173 (Diesel)	Transmission Harness, Near T/O to A/C Low Pressure Switch	4
S174 (Diesel)	Transmission Harness, In T/O to Power Distribution Center	4
S175	Transmission Harness, In T/O to Power Distribution Center	4
S176	Headlamp and Dash Harness, In Power Distribution Center	19
S177	Headlamp and Dash Harness, In T/O to Daytime Running Lamps Module	19
S179	Transmission Harness, In T/O to Power Distribution Center	4
S180	Headlamp and Dash Harness, Near Intake Air Heater Relay	22
S181	Headlamp and Dash Harness, Near Intake Air Heater Relay	22
S182	Headlamp and Dash Harness, In T/O to Daytime Running Lamps Module	19
S183	Headlamp and Dash Harness, In Power Distribution Center	19

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

SPLICE NUMBER	LOCATION	FIG.
S184 (Diesel)	Engine Harness, in T/O to Engine Control Module	N/S
S202	Instrument Panel Harness, Near Overdrive Switch	31
S203	Instrument Panel Harness, Near Overdrive Switch	31
S204	instrument Panel Harness, In T/O to Cup Holder Lamp	31
S207	Instrument Panel Harness, Near Blower Motor	31
S209	Steering Wheel Harness, Near Remote Radio Switch	N/S
S210	Steering Wheel Harness, Near Remote Radio Switch	N/S
S300	Body Harness, Left Side Instrument Panel	36
S301	Body Harness, Left Side Instrument Panel	36
S302	Body Harness, Left Side Instrument Panel	36
S303	Body Harness, Left Side Instrument Panel	36
S304	Body Harness, Left Side Instrument Panel	36
S305	Body Harness, Right Side Instrument Panel	N/S
S306	Body Harness, Left Side Instrument Panel	36
S307	Body Harness, Left Cowl	36
S308	Body Harness, Left Cowl	36
S310	At Left Body Ground	N/S
S311	At Left Body Ground	N/S
S313	Left Rear Frame Rail	28
S314	Left Rear Frame Rail	N/S
S315	Left Rear Frame Rail	N/S
S316	Left Rear Frame Rail	28
S317	Left Rear Frame Rail	28
S318	In T/O to Trailer Tow	28
S319	In T/O to Left Rear Lamps	28
S320	In T/O to Trailer Tow	28
S321	In T/O to Left Rear Lamps	28
S322	Overhead Console Harness, At Roof Lamps	26
S323	Overhead Console Harness, At Roof Lamps	26
S324	Overhead Console Harness, At Roof Lamps	26
S325	Overhead Console Harness, At Roof Lamps	26
S326	Overhead Console Harness, At Roof Lamps	26
S327	Power Seat Harness, Near Switch	N/S
S328	Power Seat Harness, Near T/O to Body Wiring	N/S
S329	Door Harness, Near Left Door Near Grommet	N/S
S330	Door Harness, Near Right Door Near Grommet	N/S
S331	Chassis Harness, Near T/O to Fuel Pump Module	28
S332	Body Harness, Left Side Instrument Panel	36
S333	Power Seat Harness, Near T/O to Passenger Seat Jumper	N/S
S335	Power Seat harness, Near T/O to Body Wiring	N/S
S336	Power Seat Harness, Under Passenger Seat	N/S

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

SPLICE NUMBER	LOCATION	FIG.
S337	Power Seat Harness, Under Passenger Seat	N/S
S340	Overhead Console Harness, At Roof Lamps	26
S401	Tail/Stop/Turn and Back-up Lamp Harness, Near T/O to Left Back-up Lamp	N/S
S402	Tail/Stop/Turn and Back-up Lamp Harness, Near T/O to Right Back-up Lamp	N/S
S404	Fender Lamp Harness, Near T/O to Tailgate Lamp	N/S
S406	Fender Lamp Harness, Near T/O to Tailgate Lamp	N/S

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

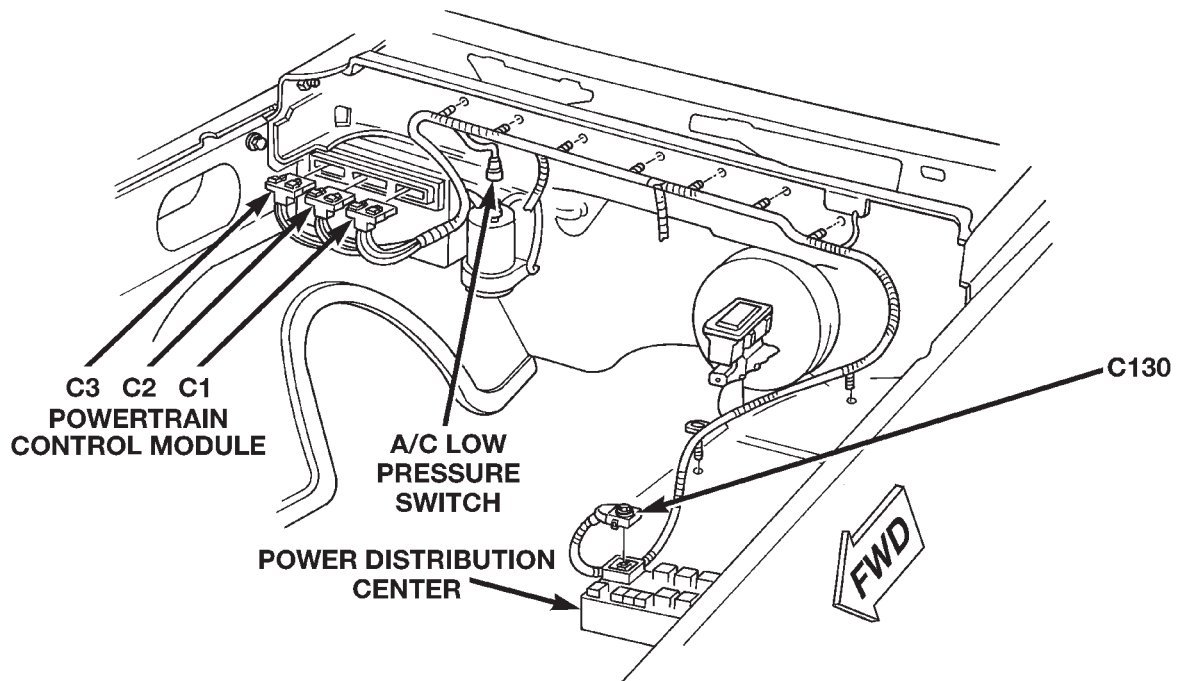


Fig. 1 ENGINE COMPARTMENT (GAS)

80b46c29

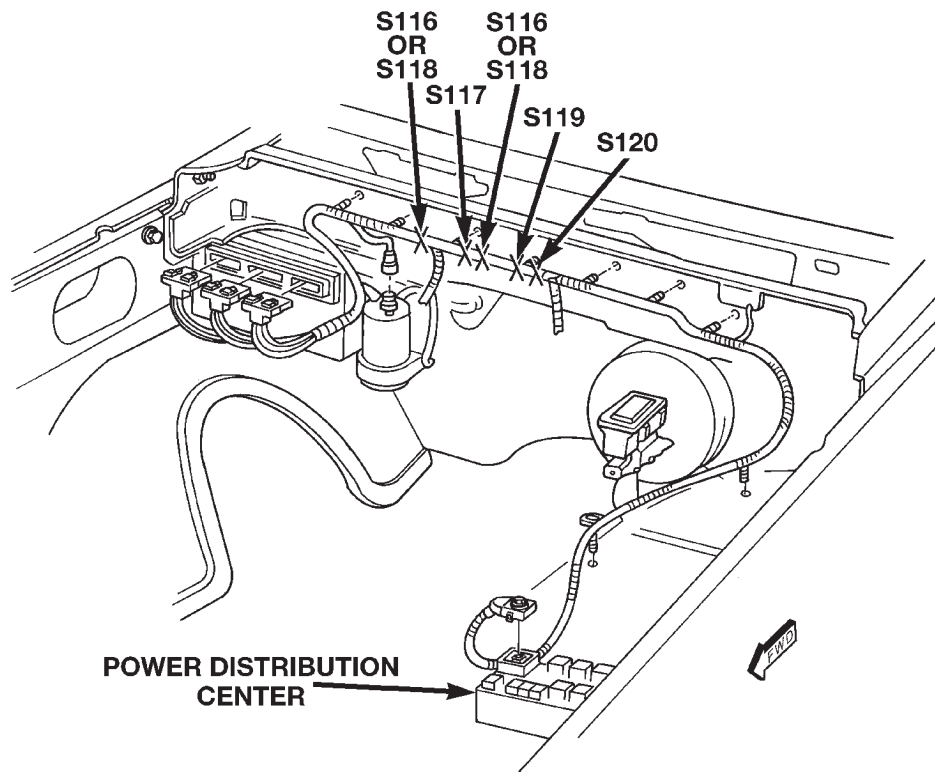


Fig. 2 DASH PANEL (GAS ENGINES)

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CONNECTOR/GROUND/SPLICE LOCATION (Continued)

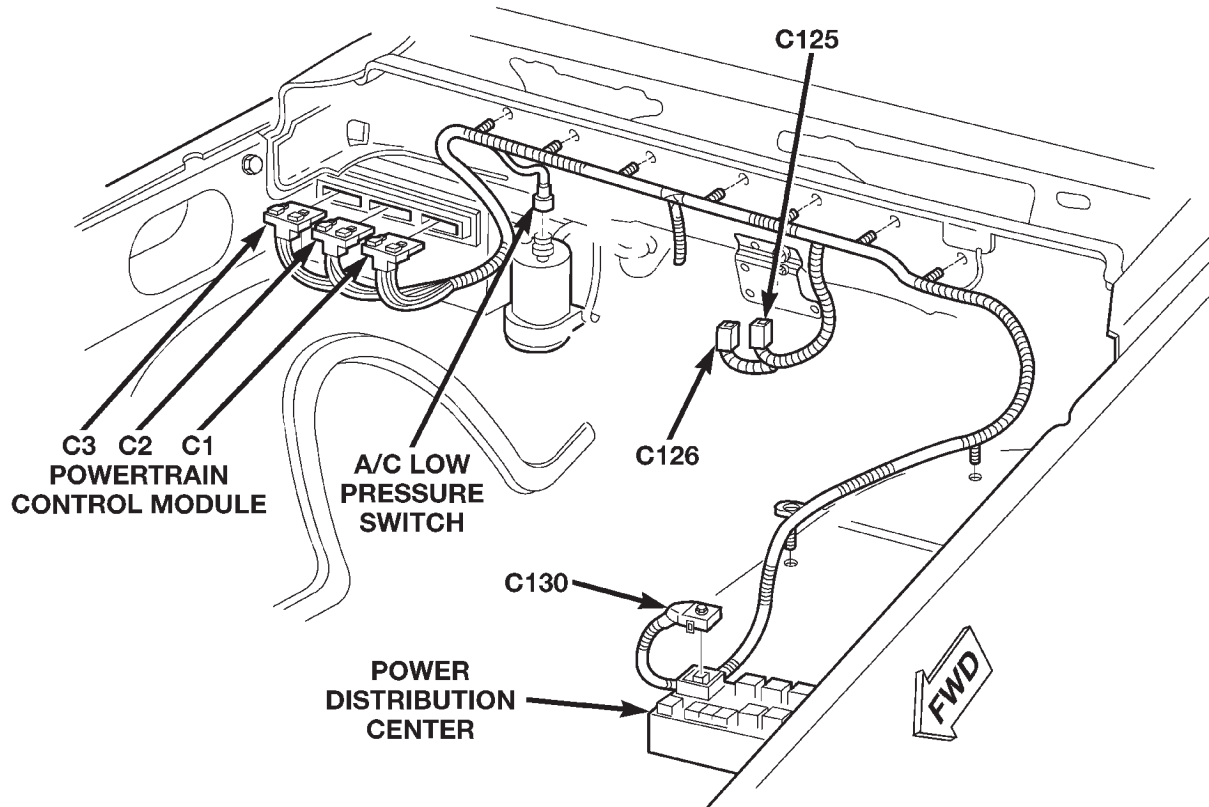


Fig. 3 ENGINE COMPARTMENT (DIESEL ENGINE)

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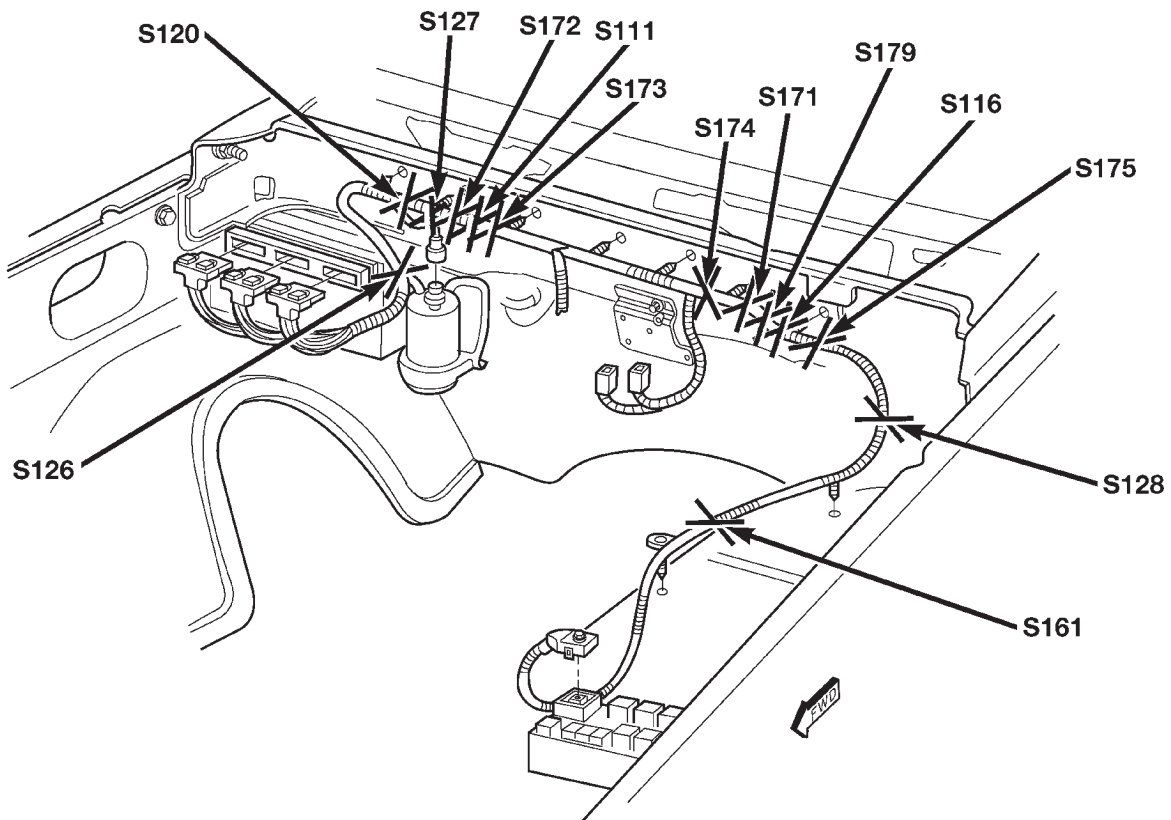


Fig. 4 DASH PANEL (DIESEL ENGINE)

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CONNECTOR/GROUND/SPLICE LOCATION (Continued)

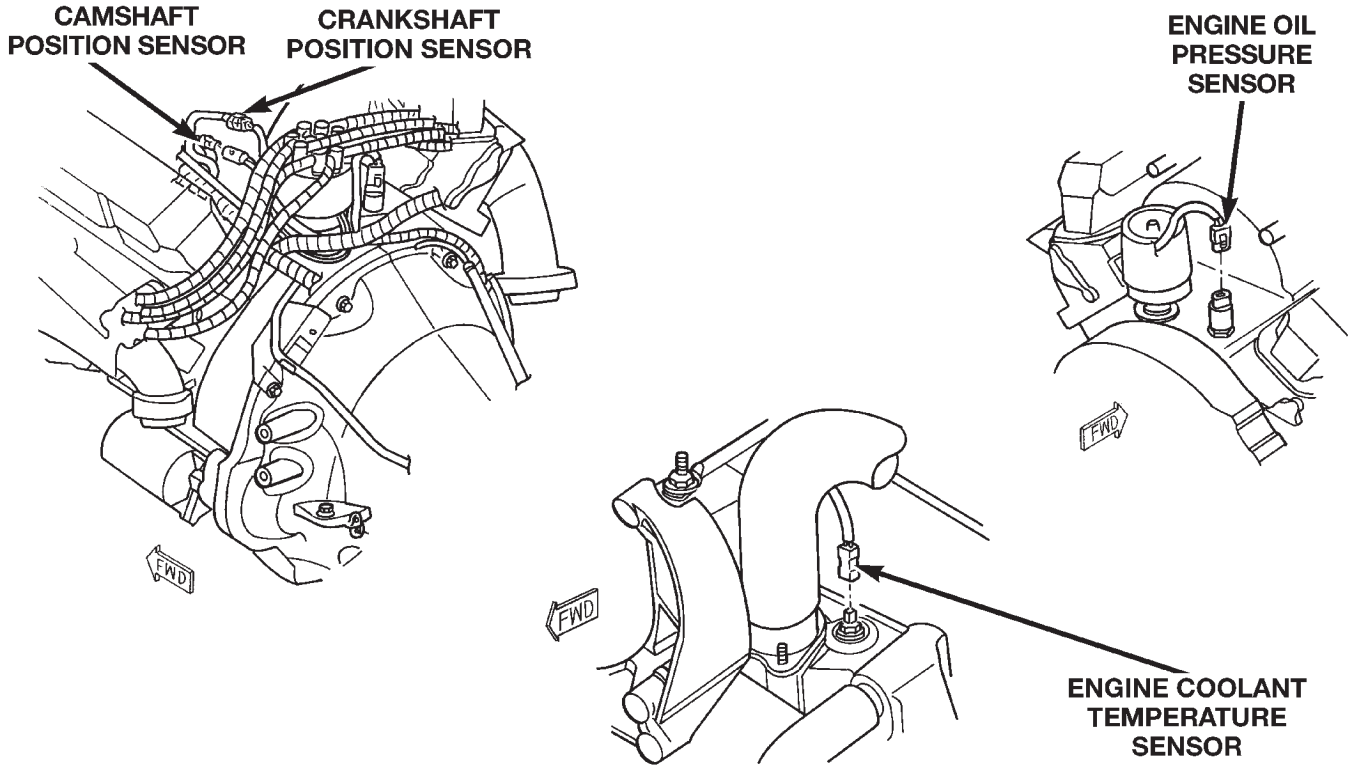


Fig. 5 5.9 LITER ENGINE

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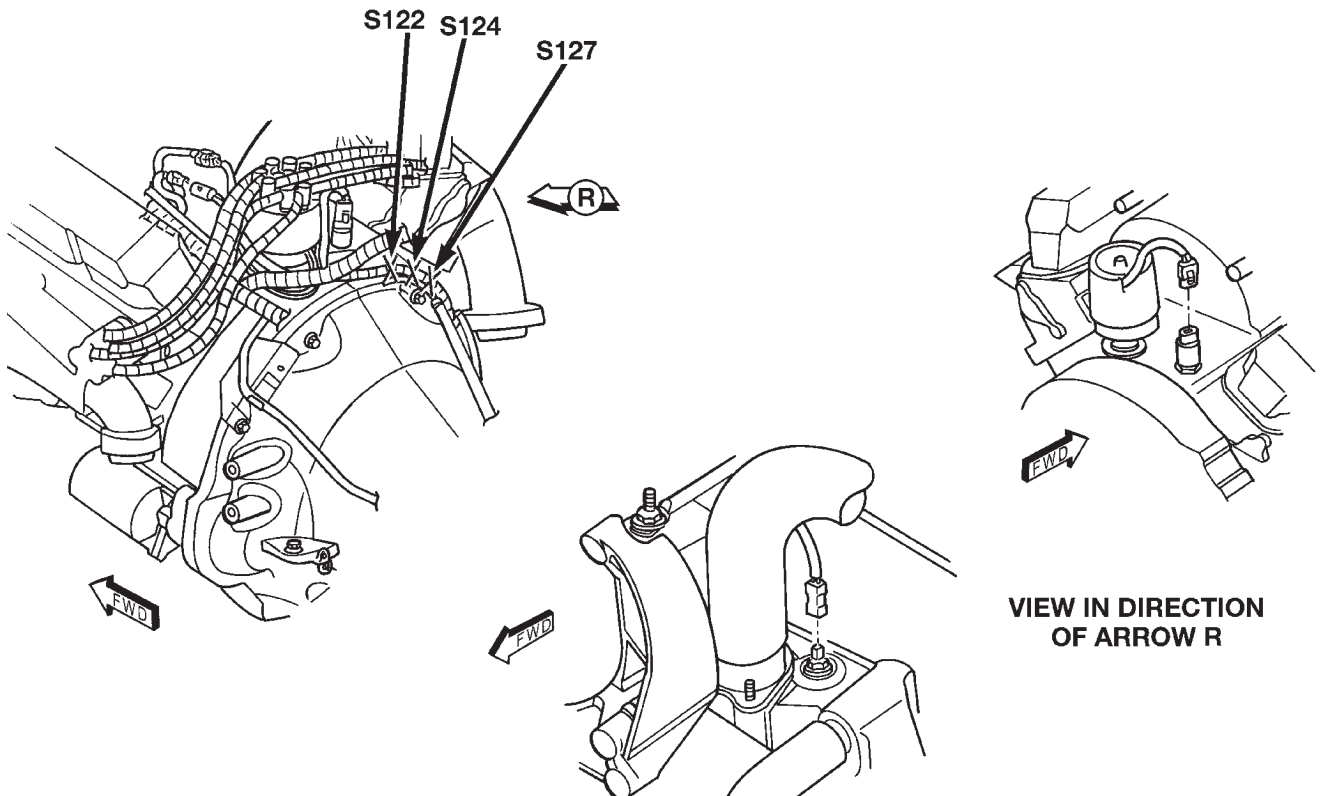


Fig. 6 5.9 LITER ENGINE

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CONNECTOR/GROUND/SPLICE LOCATION (Continued)

80ce11e5

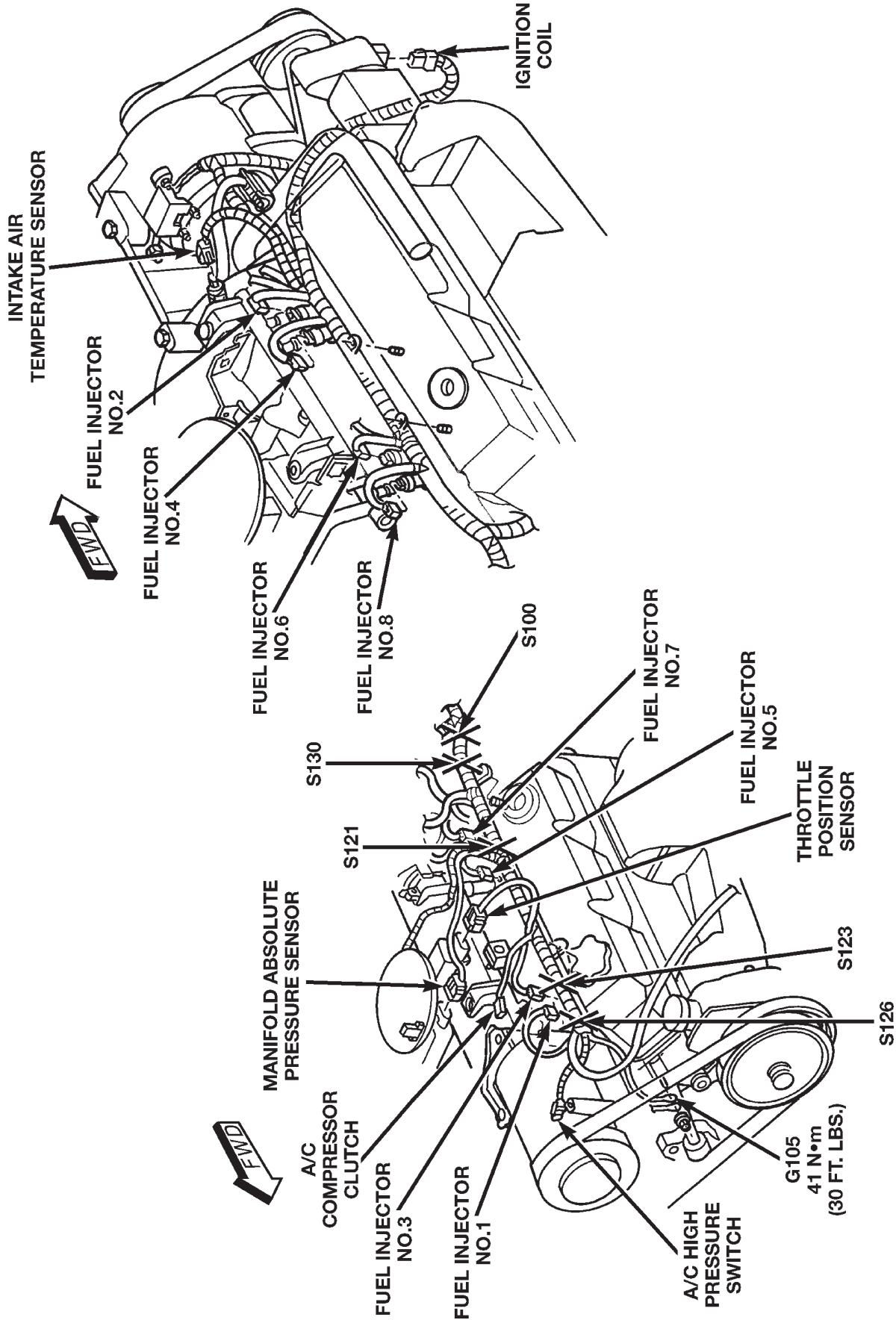
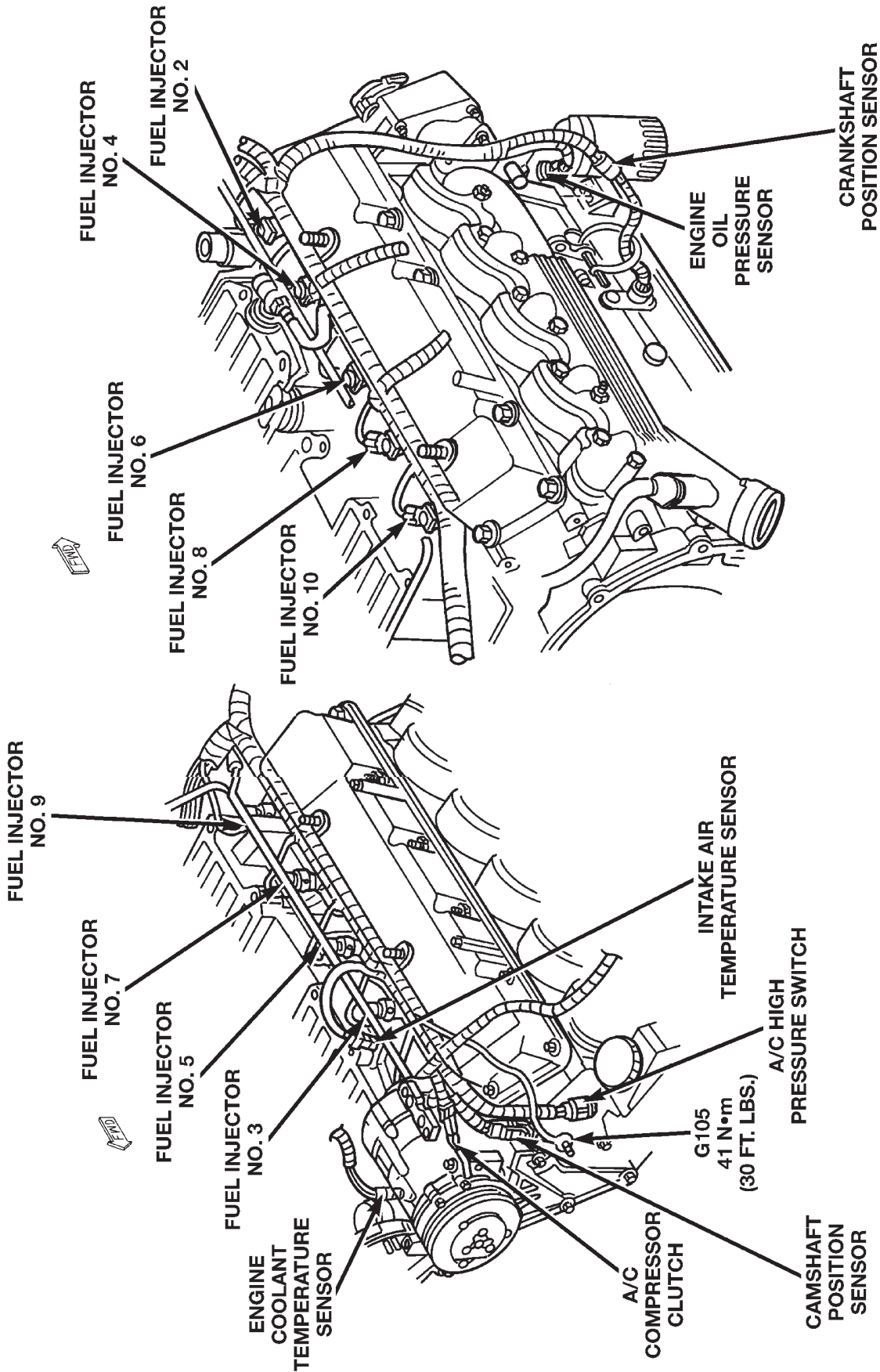


Fig. 7 5.9 LITER ENGINE

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



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Fig. 8 8.0 LITER ENGINE

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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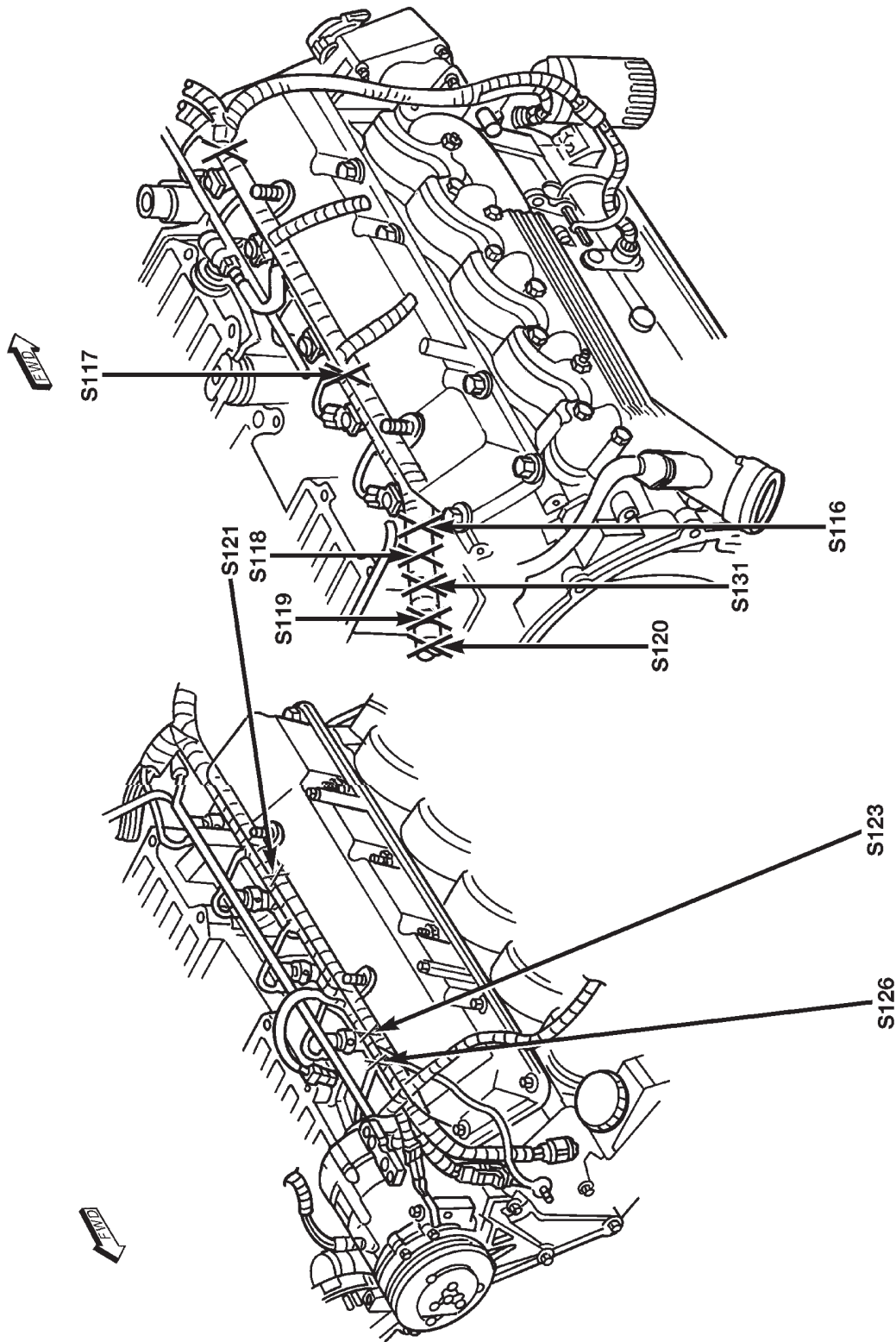
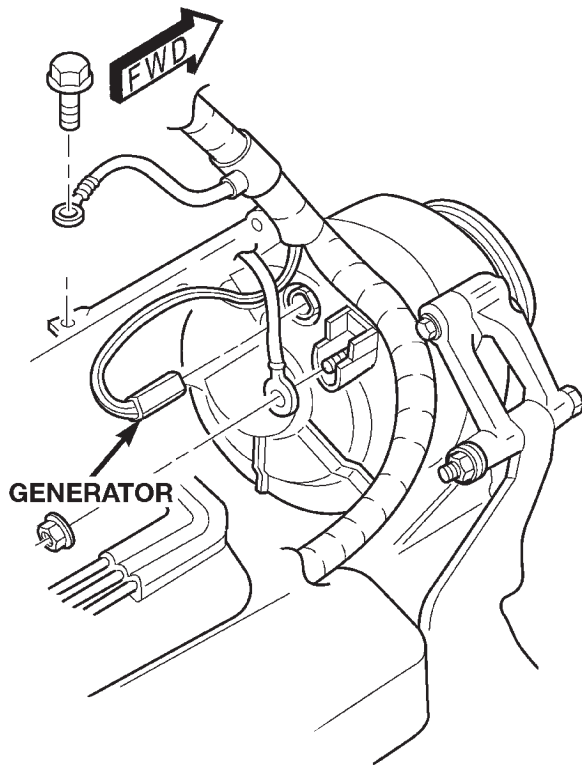
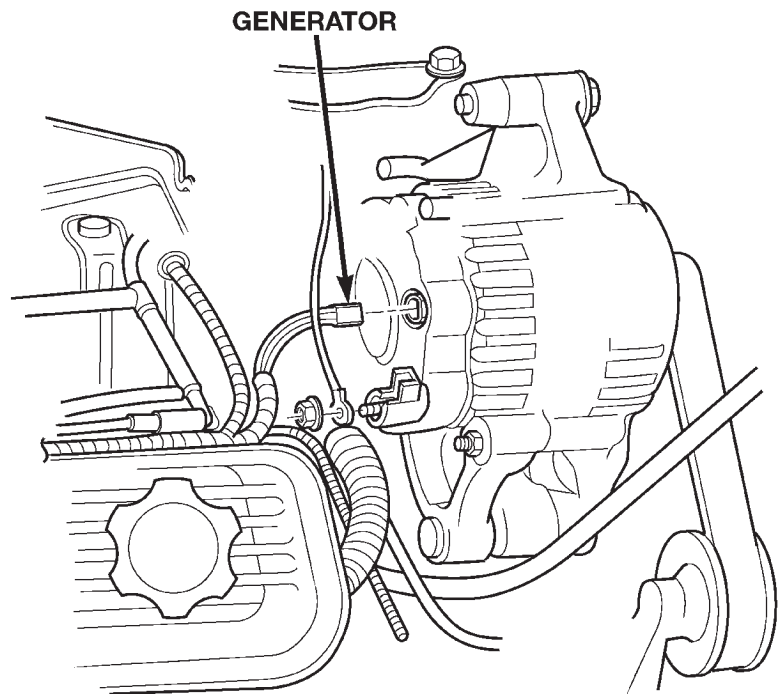


Fig. 9 8.0 LITER ENGINE

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



8.0 LITER ENGINE



5.9 LITER ENGINE

Fig. 10 GENERATOR (GAS ENGINE)

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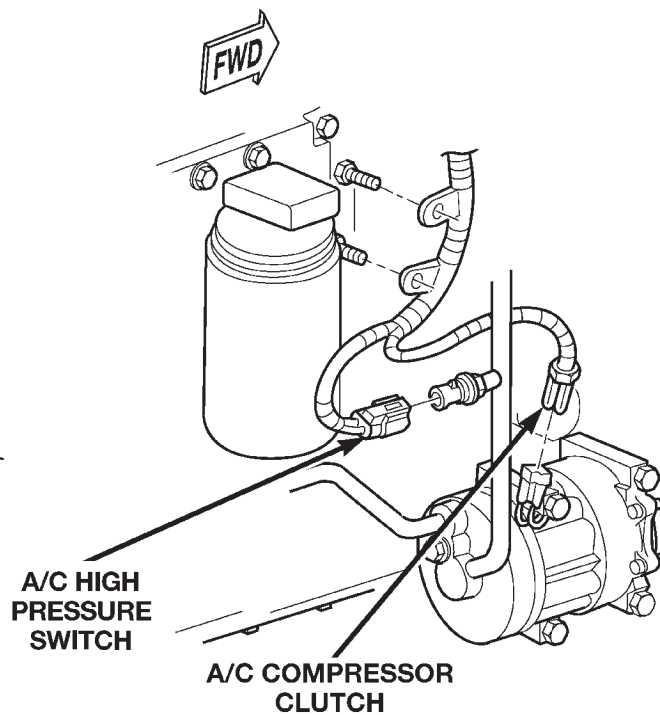
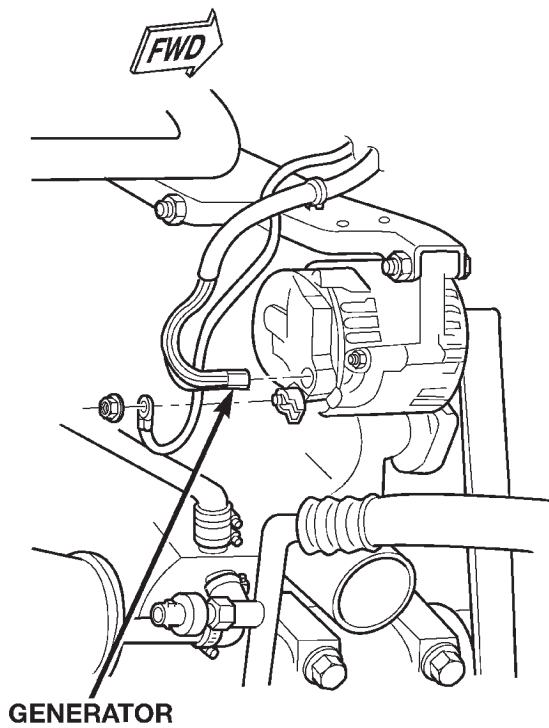


Fig. 11 GENERATOR (DIESEL ENGINE)

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CONNECTOR/GROUND/SPLICE LOCATION (Continued)

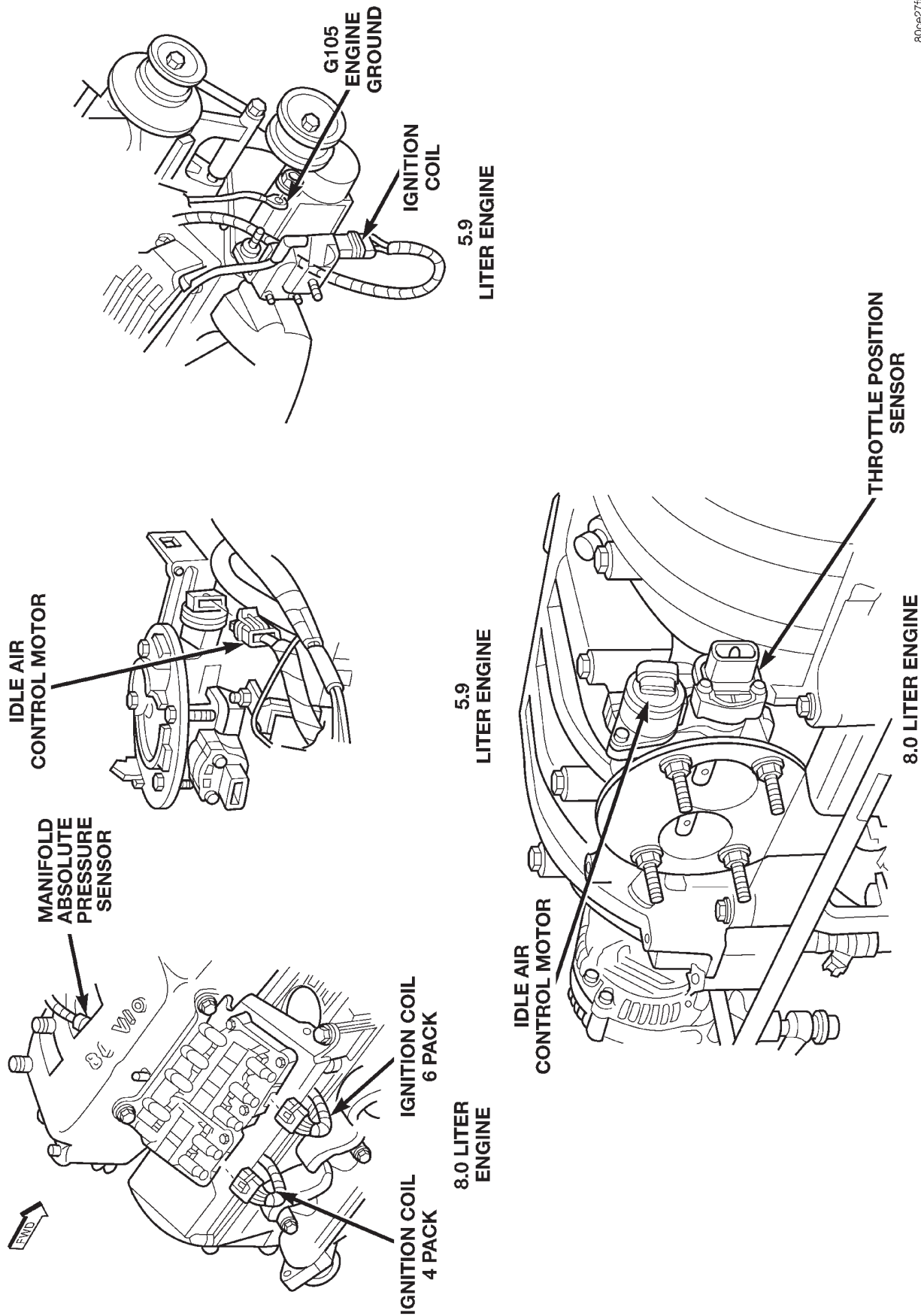


Fig. 12 IGNITION COIL (GAS ENGINE)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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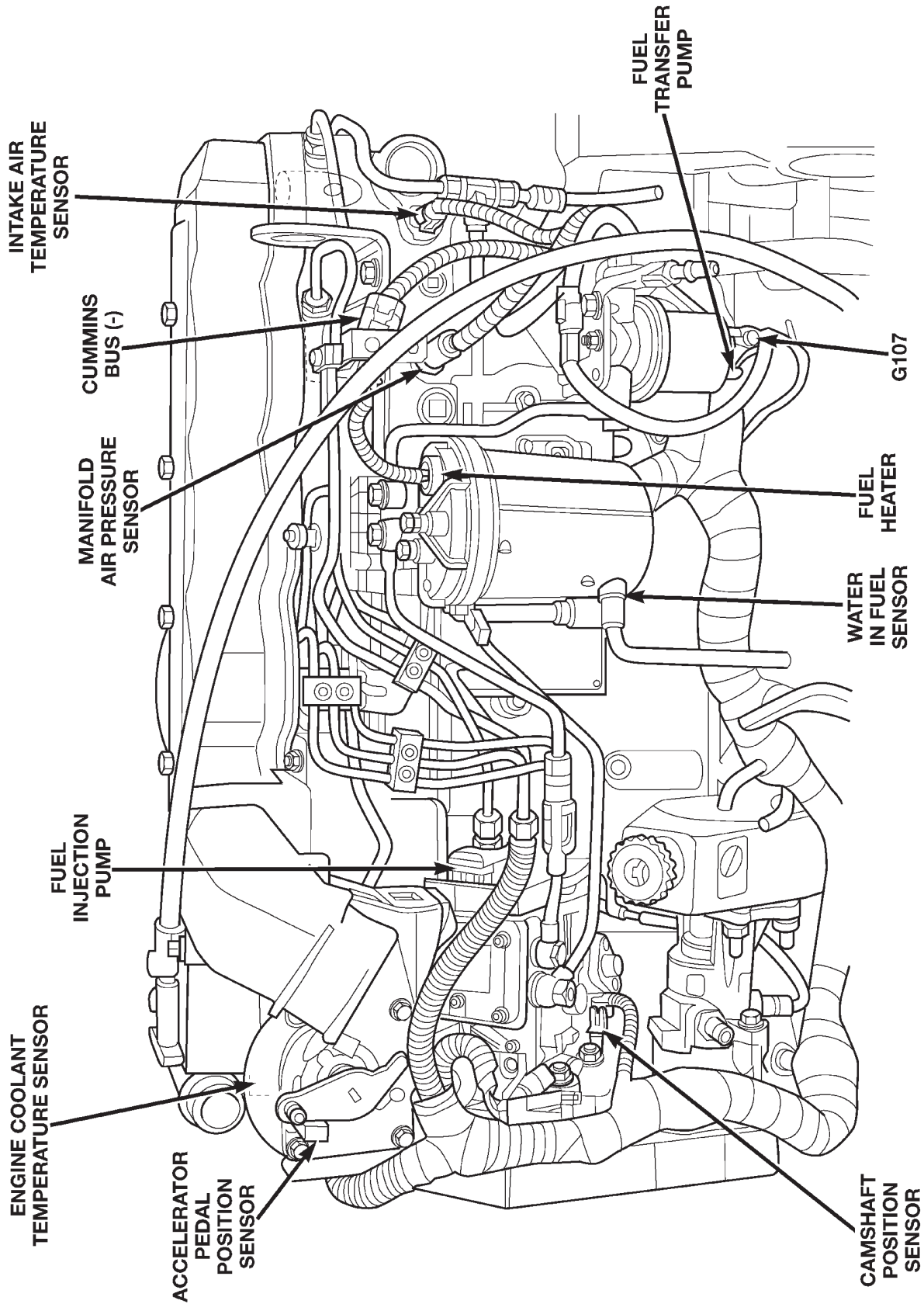


Fig. 13 DIESEL COMPONENTS

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

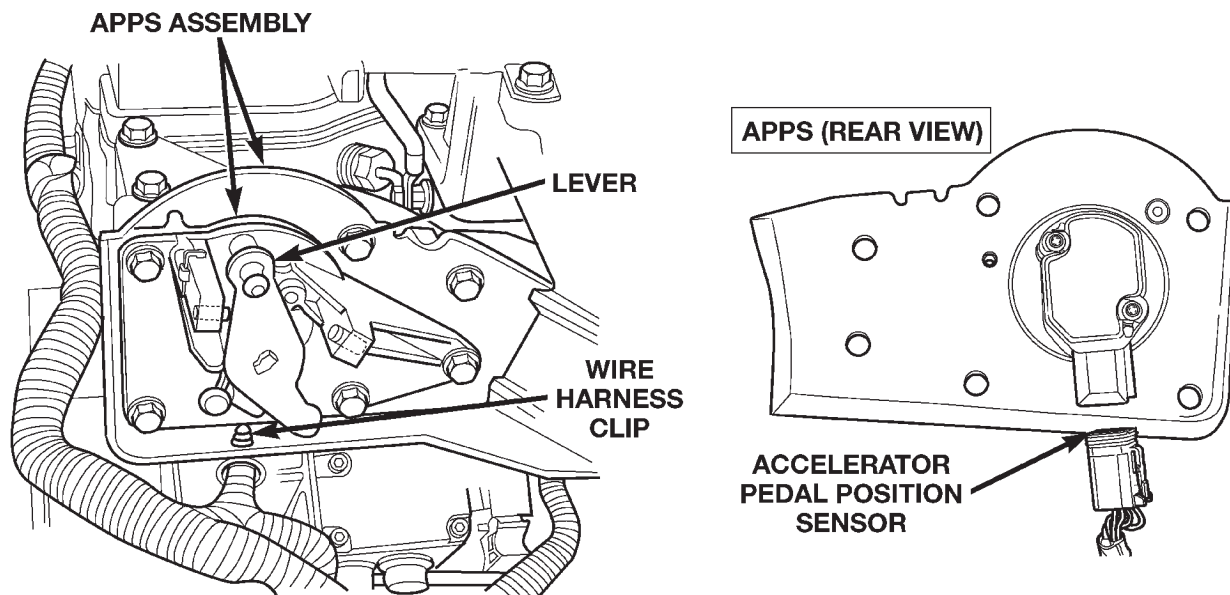


Fig. 14 ACCELERATOR PEDAL POSITION SENSOR

80b46c2c

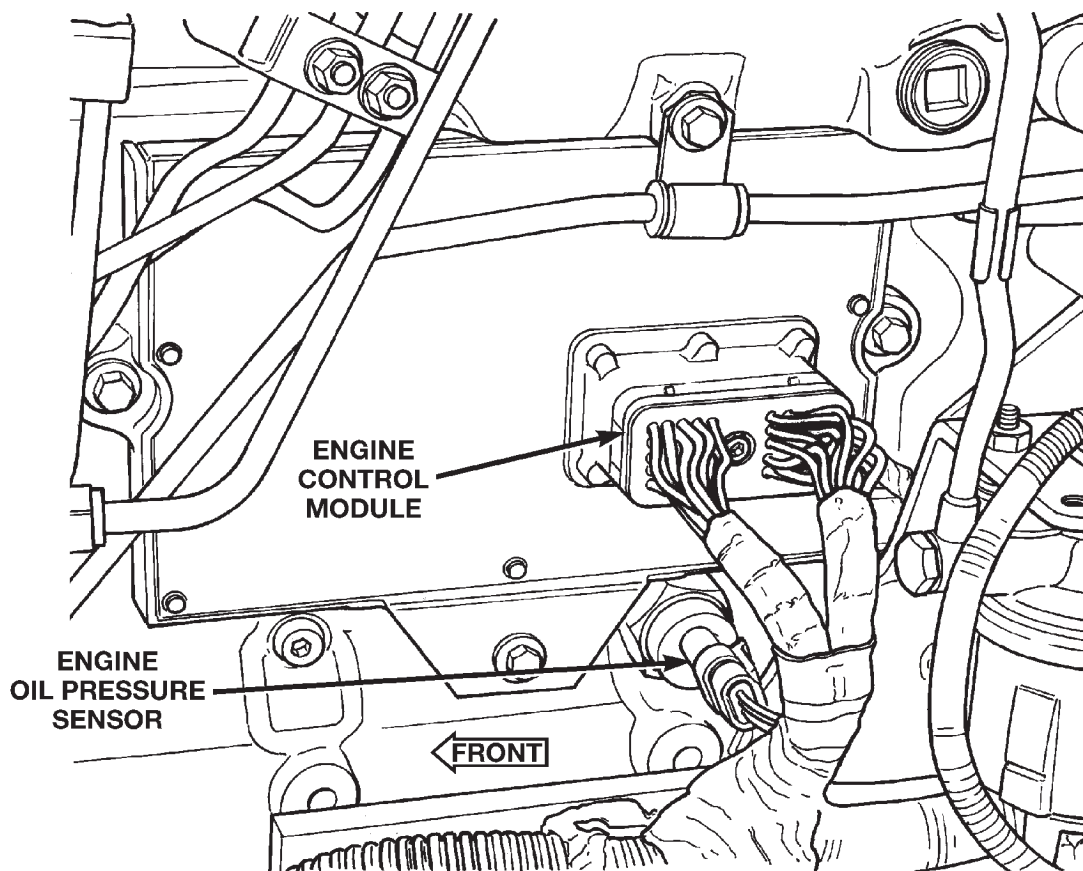


Fig. 15 ENGINE CONTROL MODULE

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CONNECTOR/GROUND/SPLICE LOCATION (Continued)

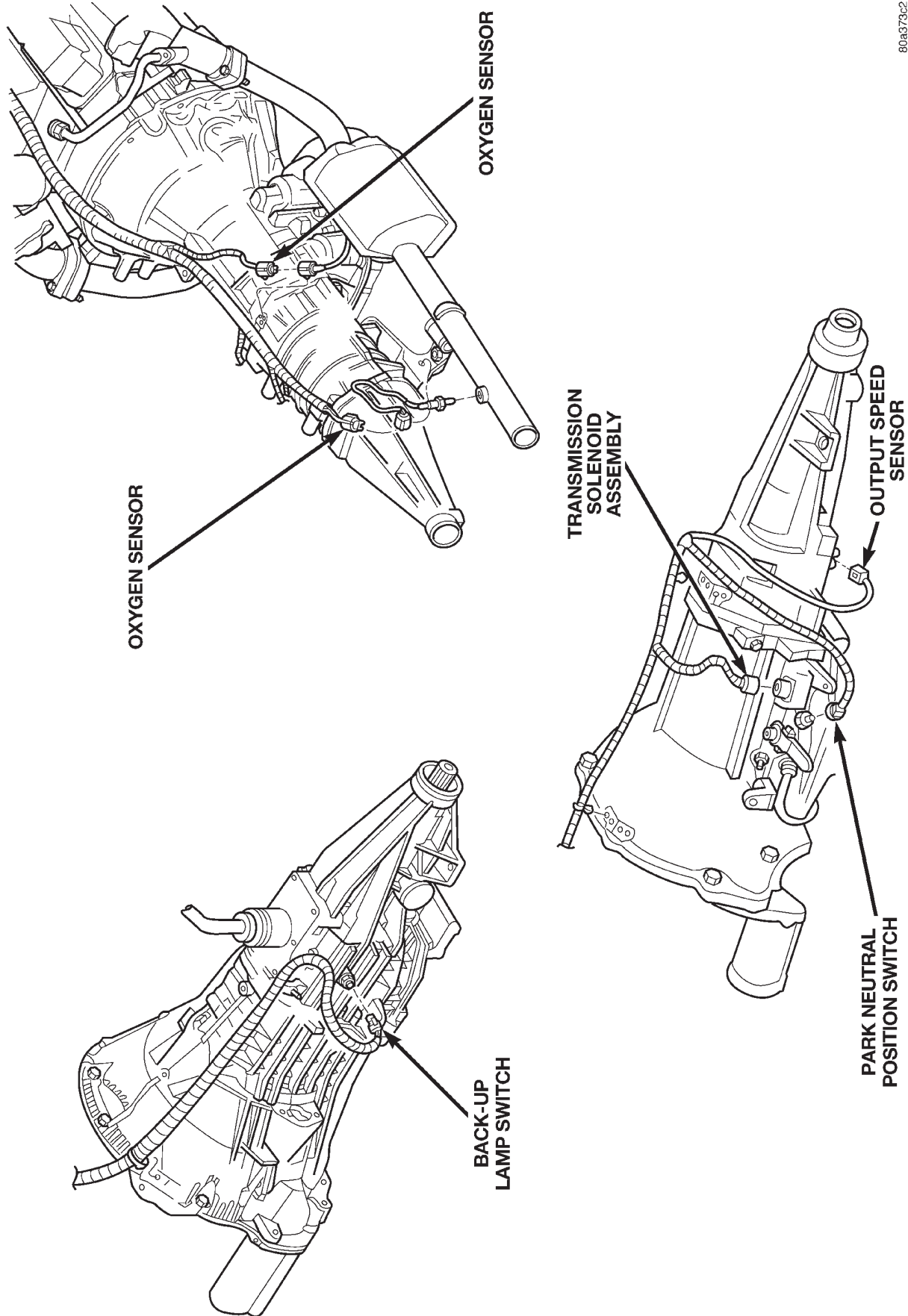


Fig. 16 TRANSMISSION CONNECTORS

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

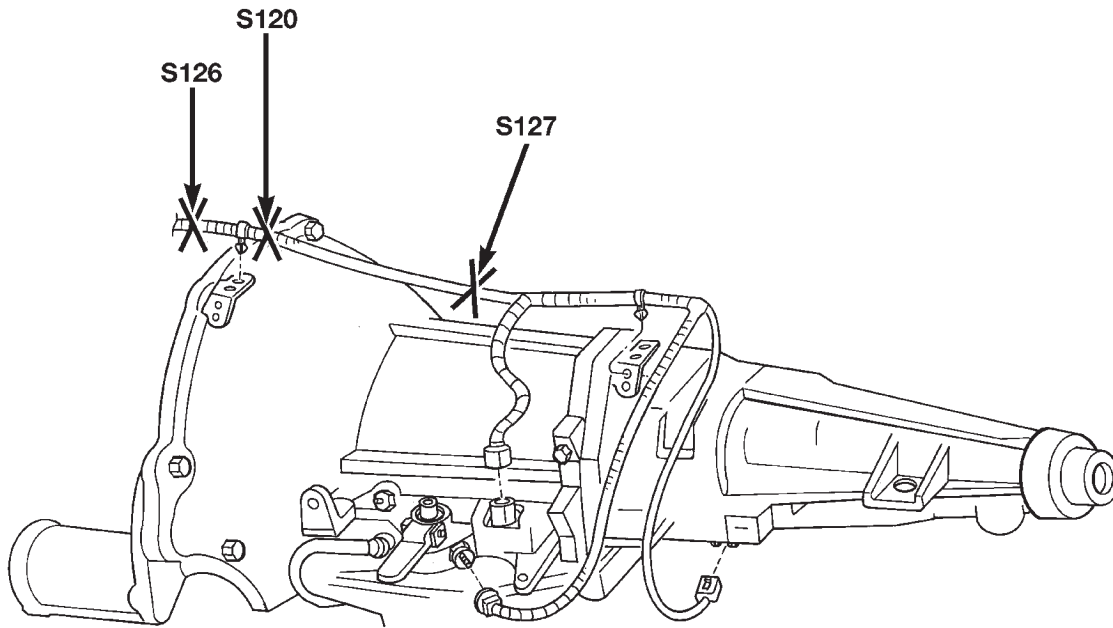


Fig. 17 LEFT SIDE TRANSMISSION 8.0 LITER ENGINE

80a381bb

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

80a373c9

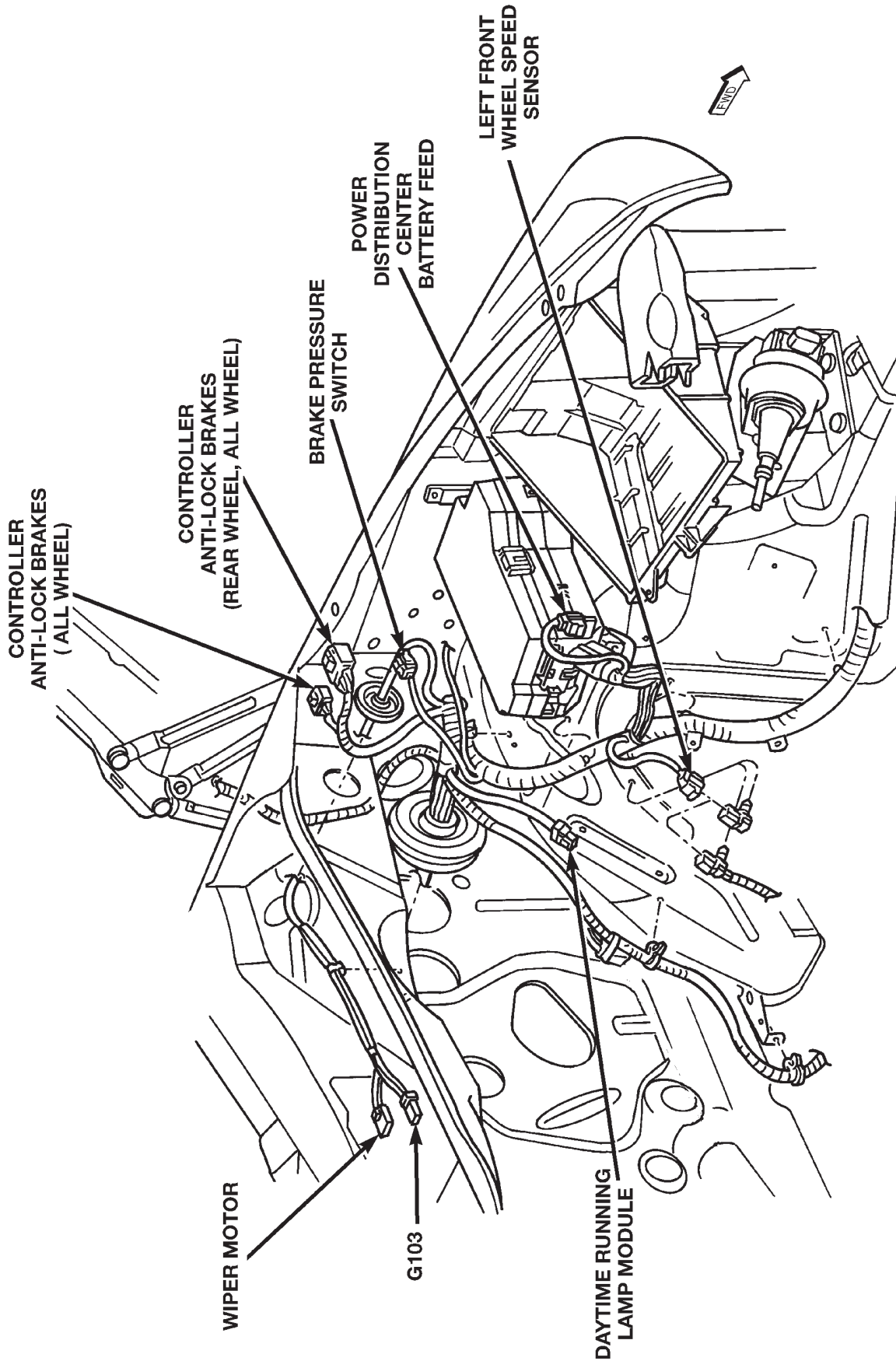


Fig. 18 LEFT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

80a382d7

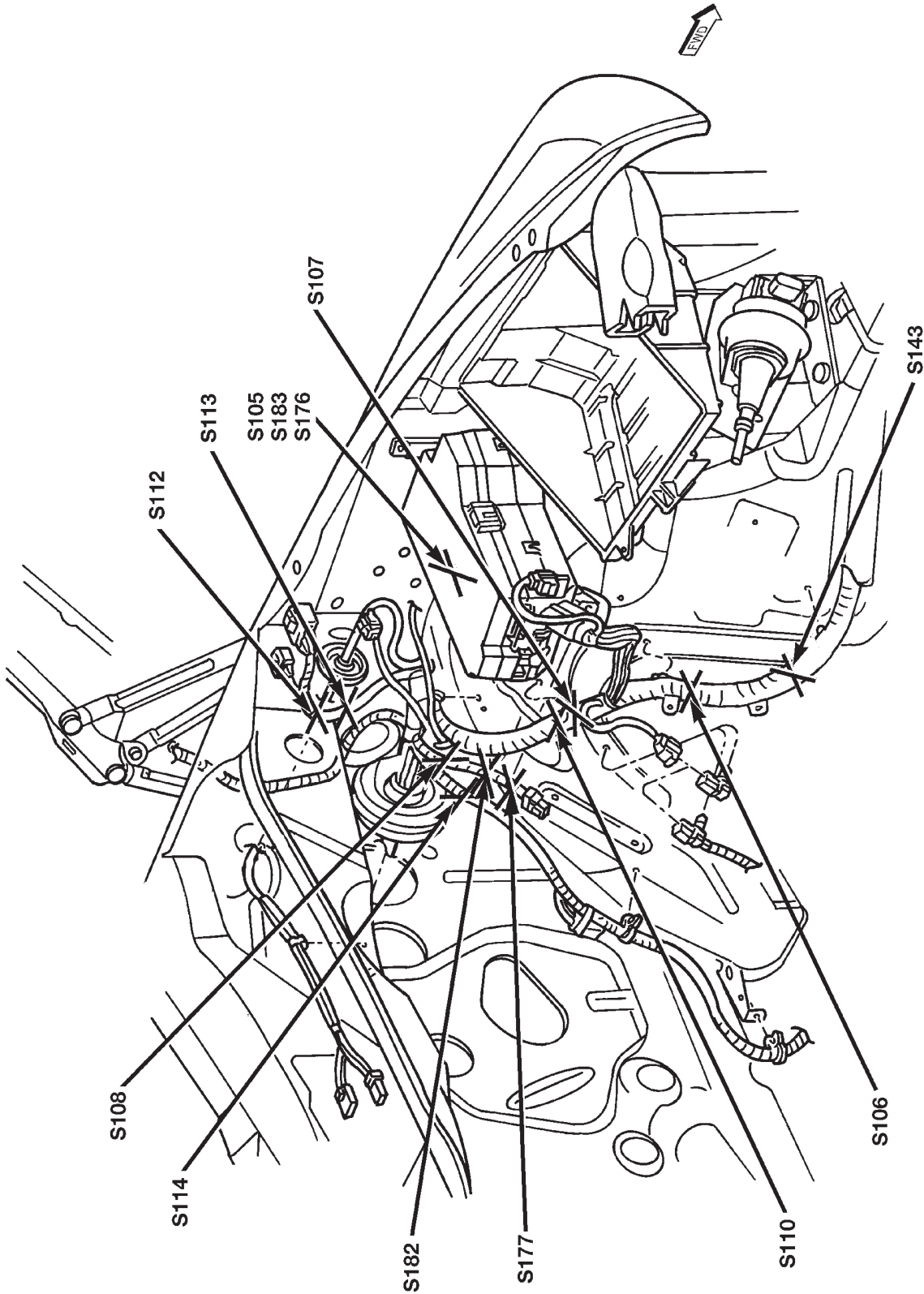
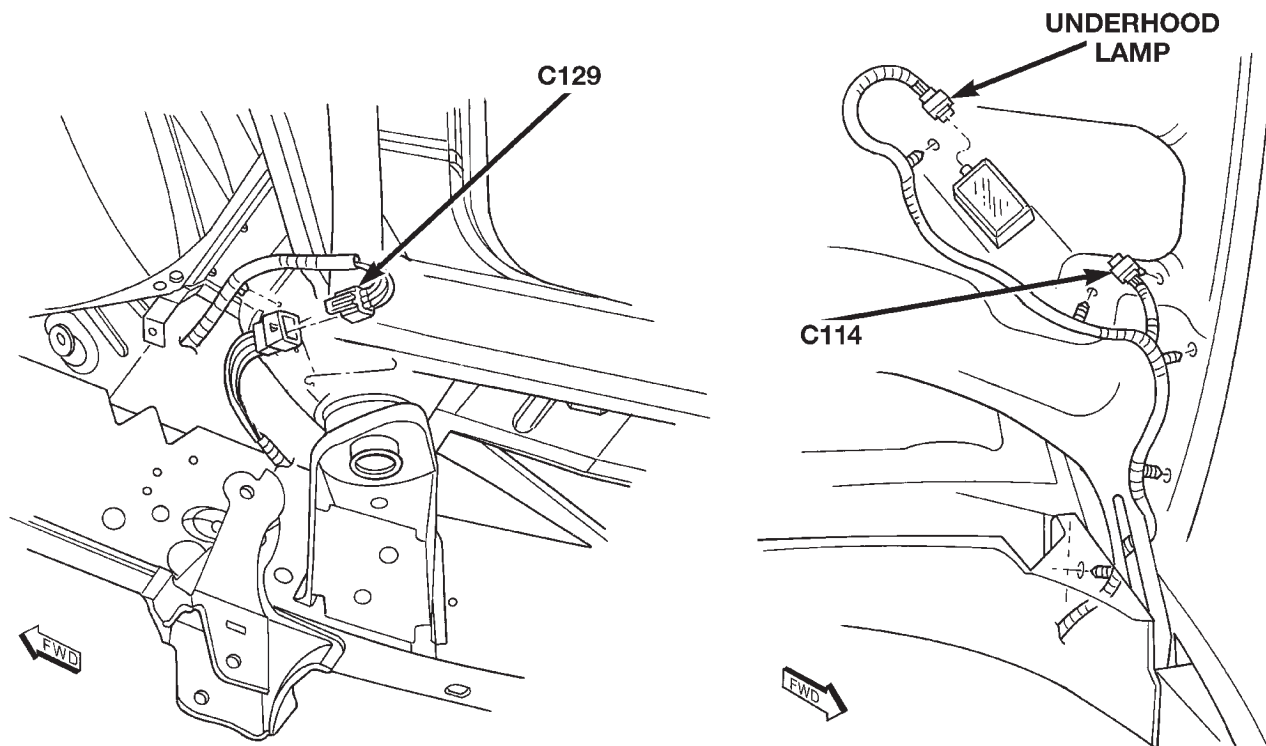


Fig. 19 LEFT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80a373ce

Fig. 20 UNDER HOOD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

80d0180d

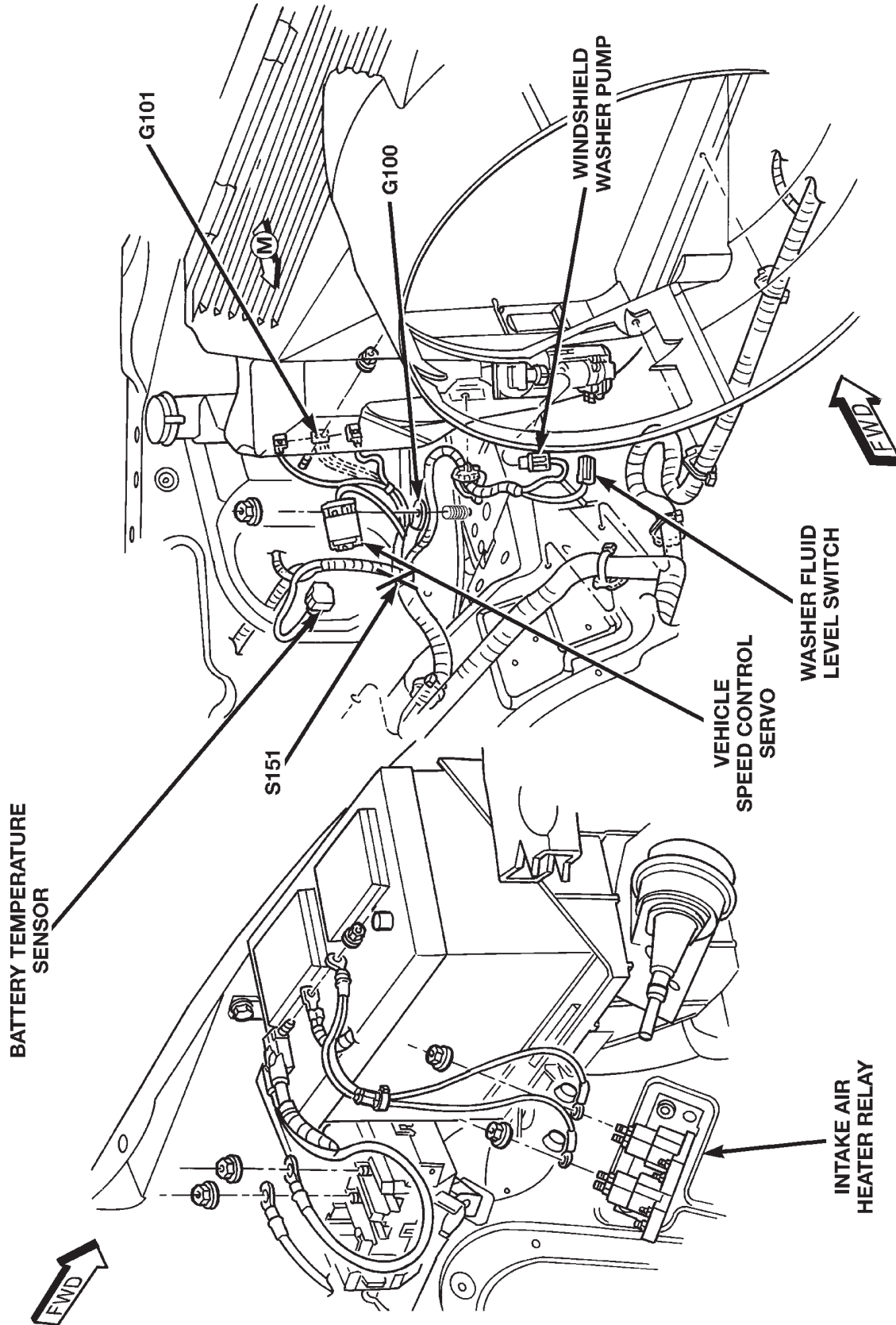


Fig. 21 UNDER HOOD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

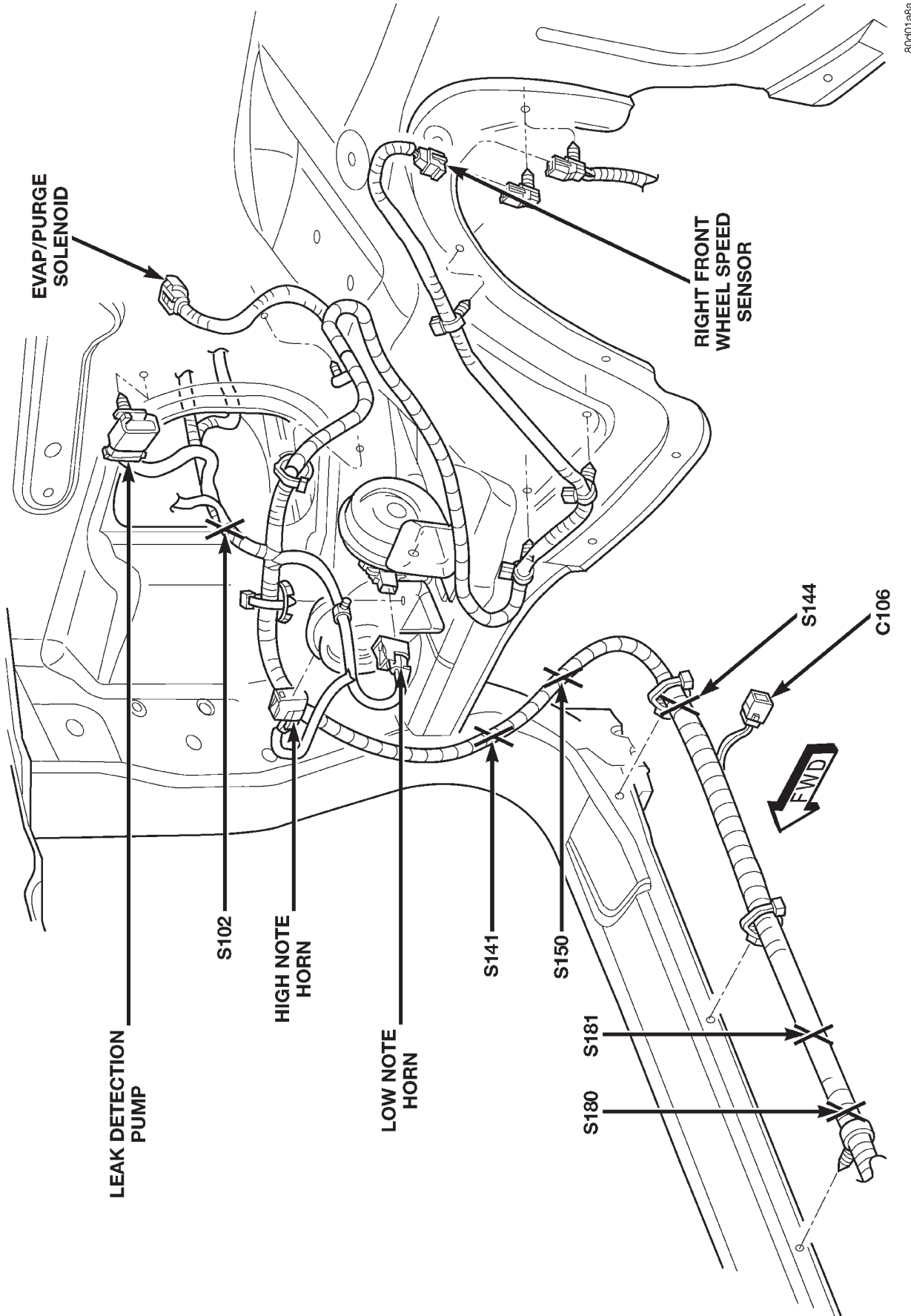
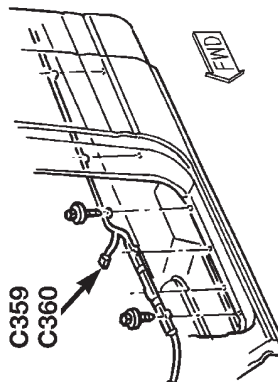
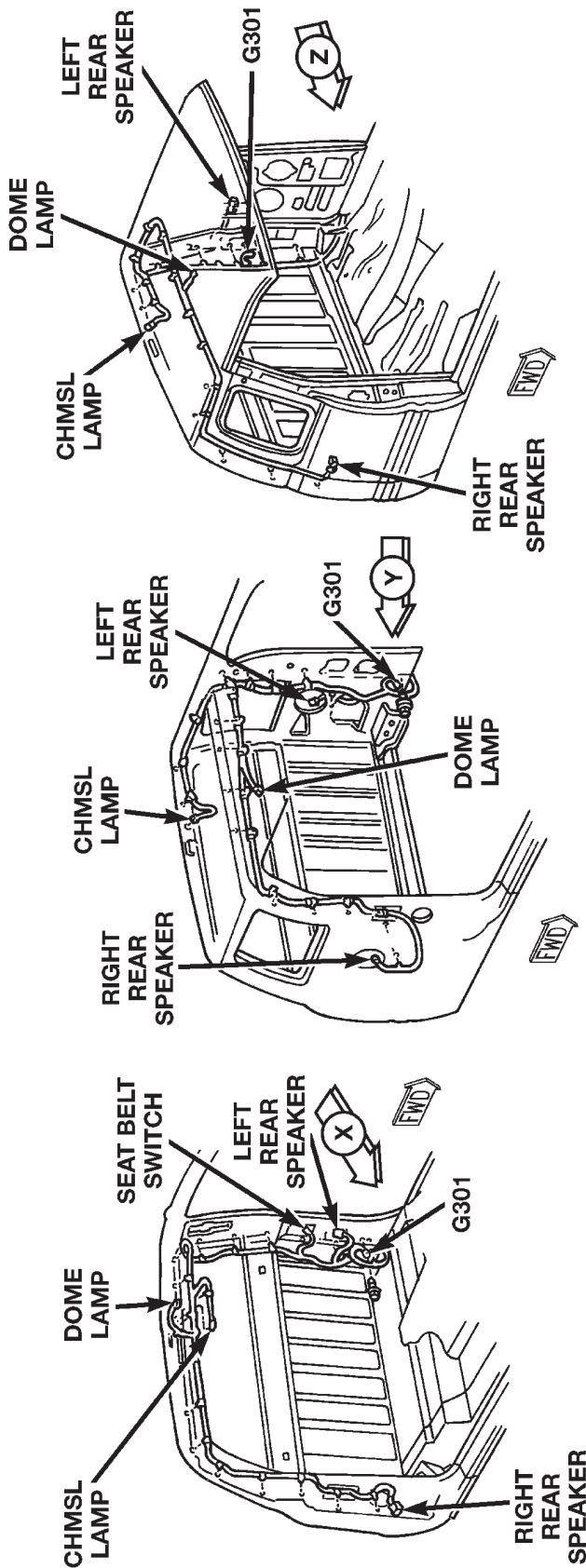
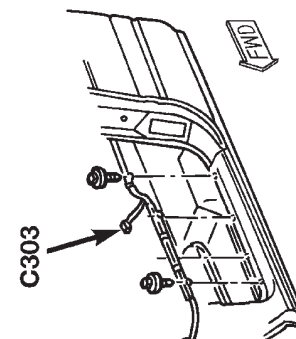


Fig. 22 RIGHT FENDER SHIELD

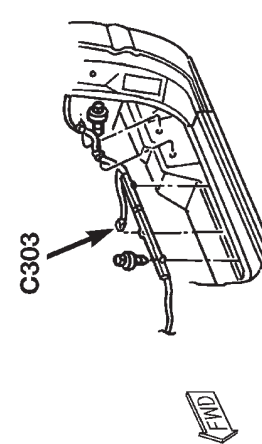
CONNECTOR/GROUND/SPLICE LOCATION (Continued)



VIEW IN DIRECTION OF ARROW Z



VIEW IN DIRECTION OF ARROW Y



VIEW IN DIRECTION OF ARROW X

80b19699

Fig. 23 CENTER HIGH MOUNTED STOP LAMP

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

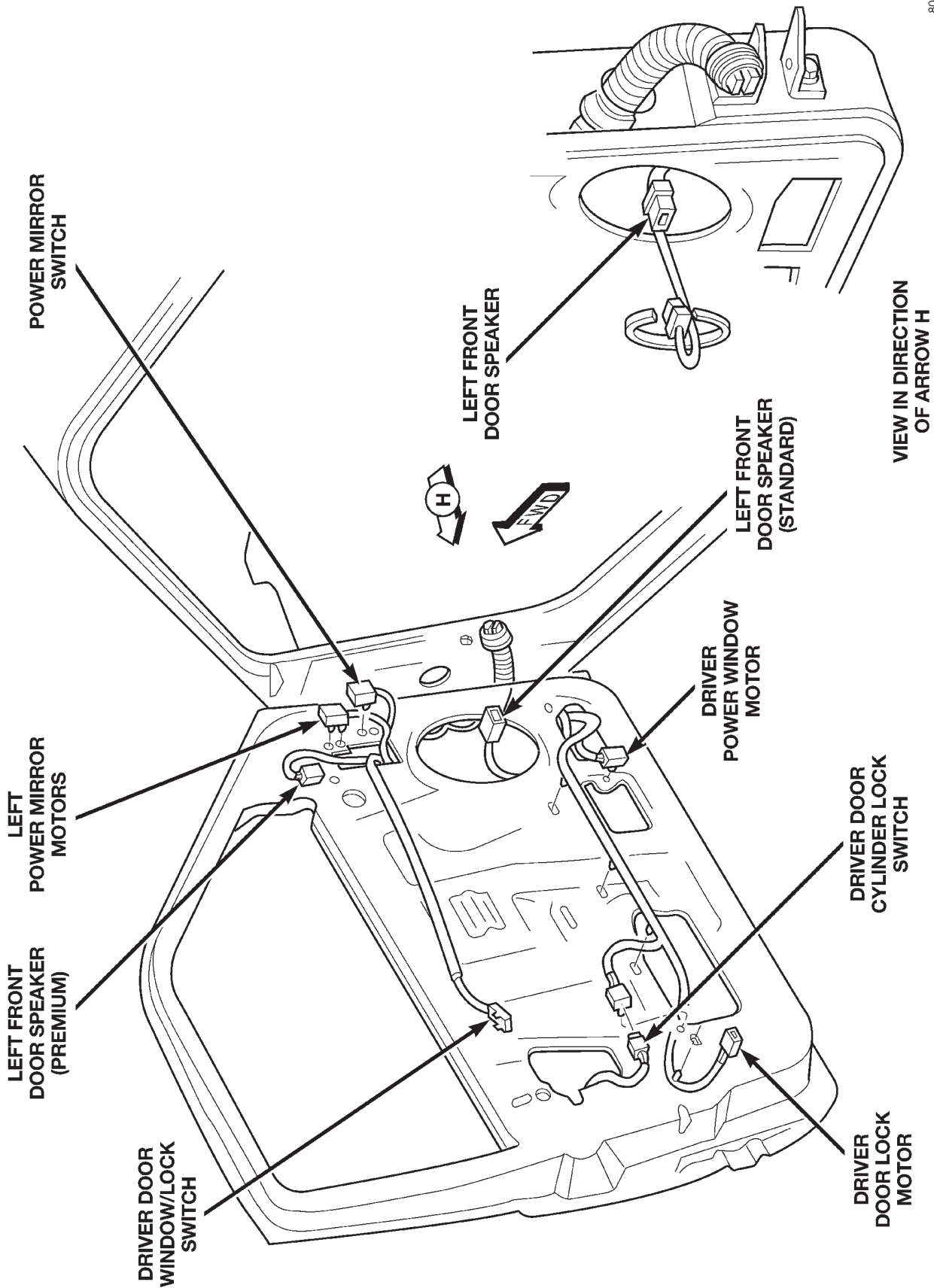


Fig. 24 DOOR

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

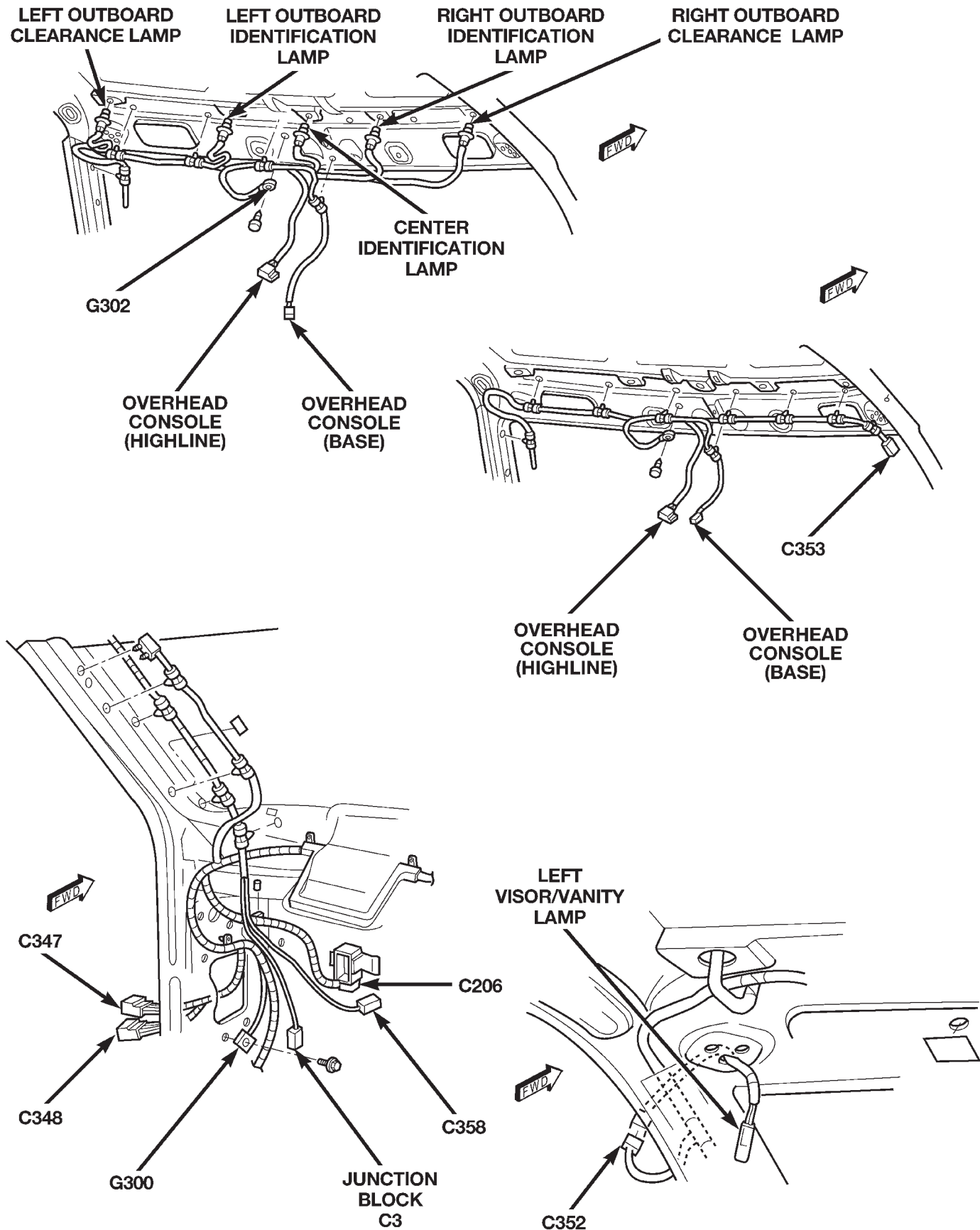
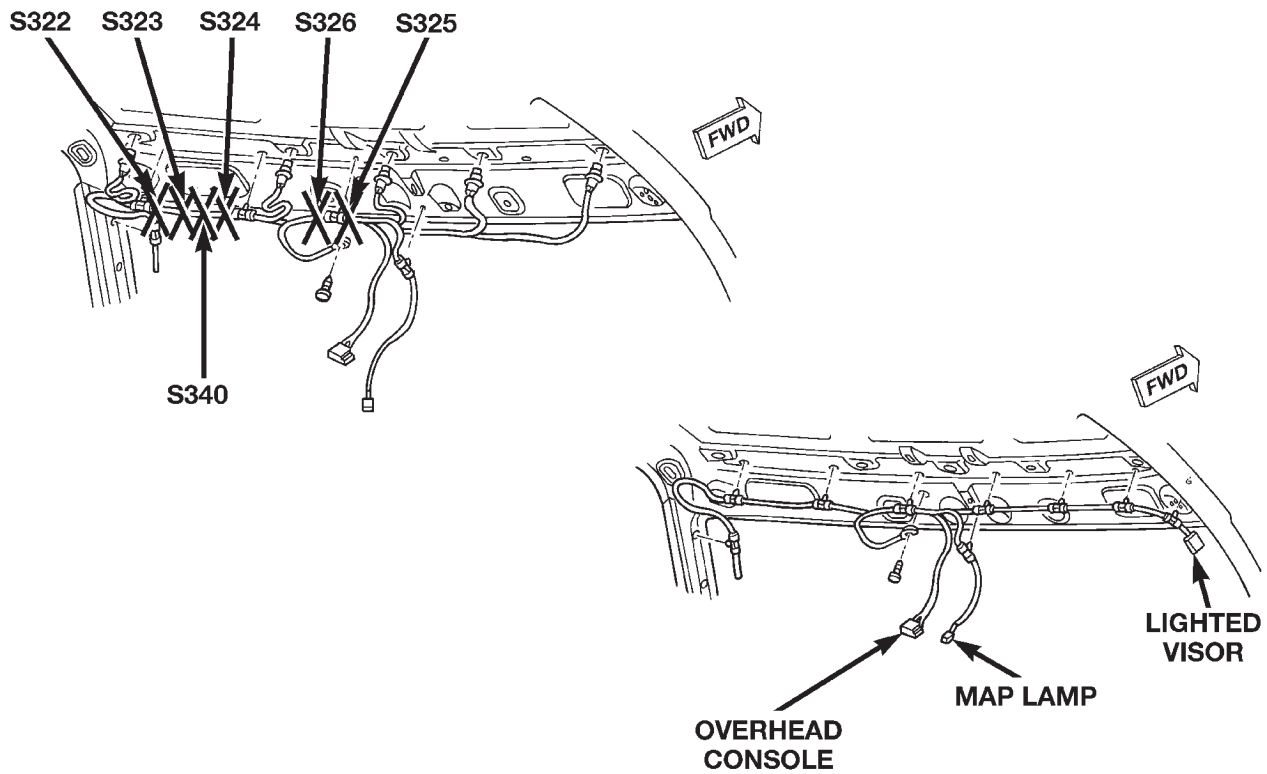


Fig. 25 OVERHEAD CONSOLE

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80be47c5

Fig. 26 OVERHEAD CONSOLE

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

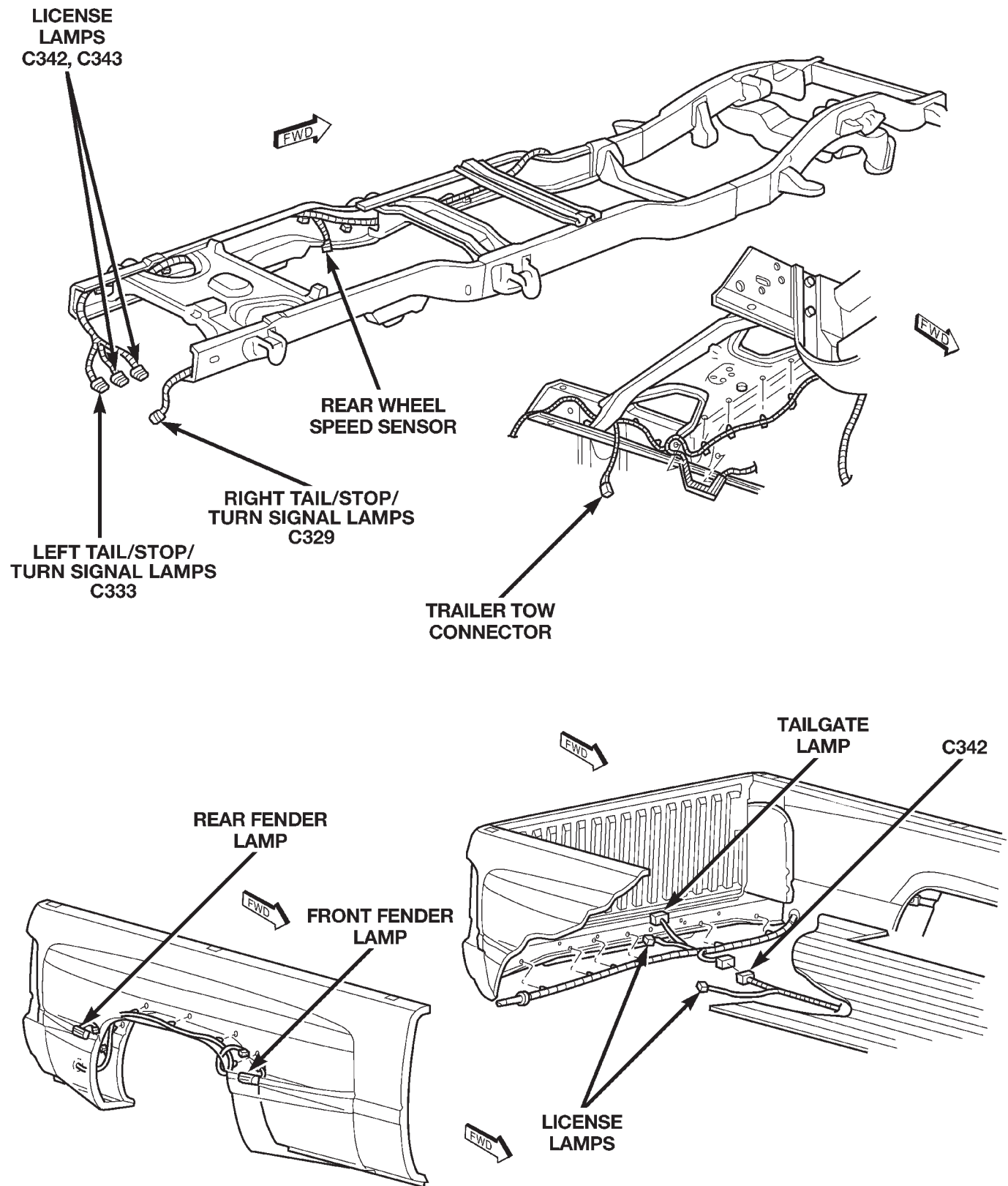
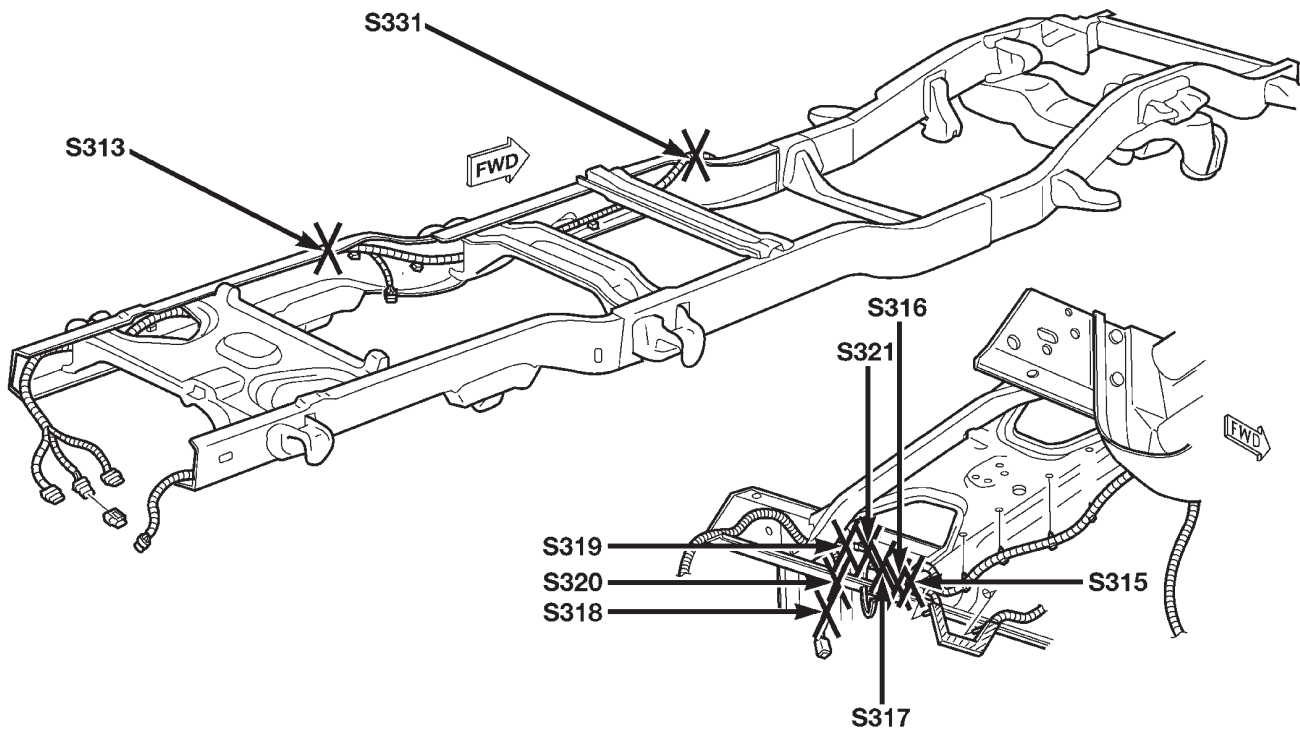


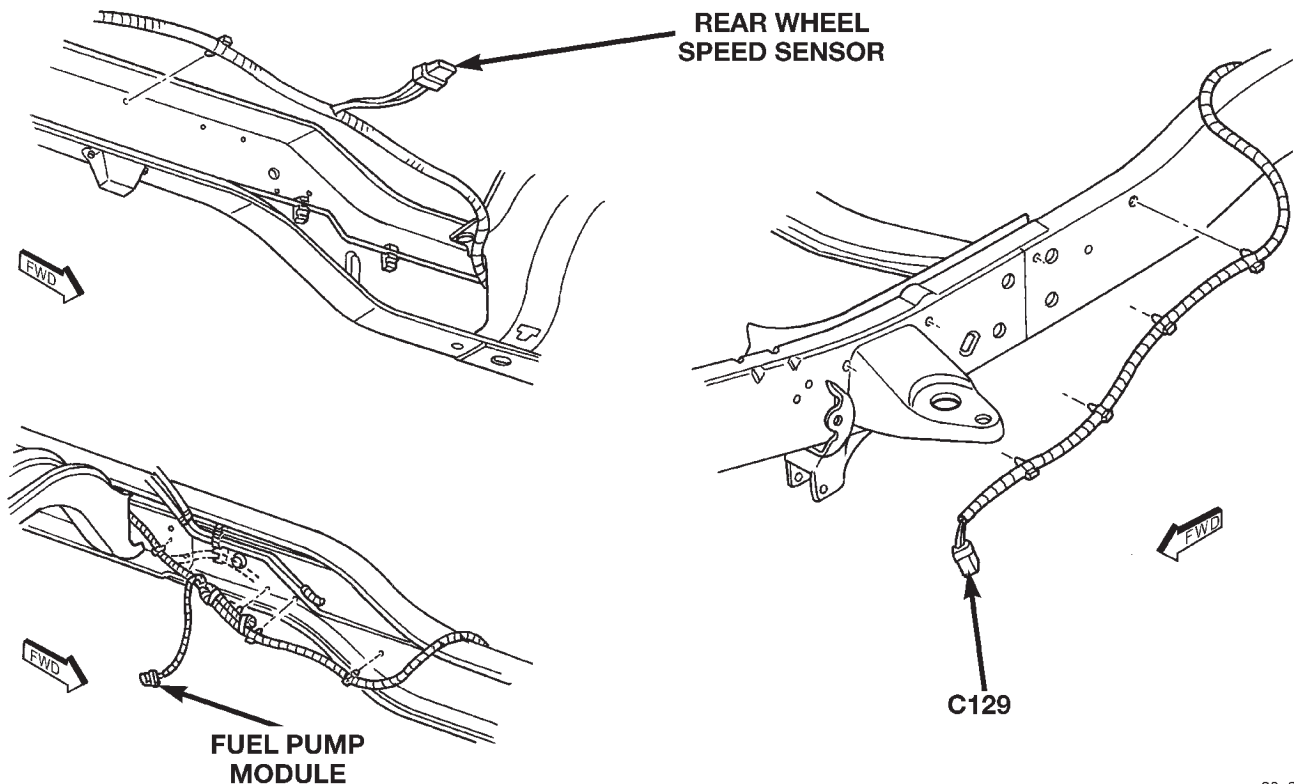
Fig. 27 TAIL LAMPS

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80be47c7

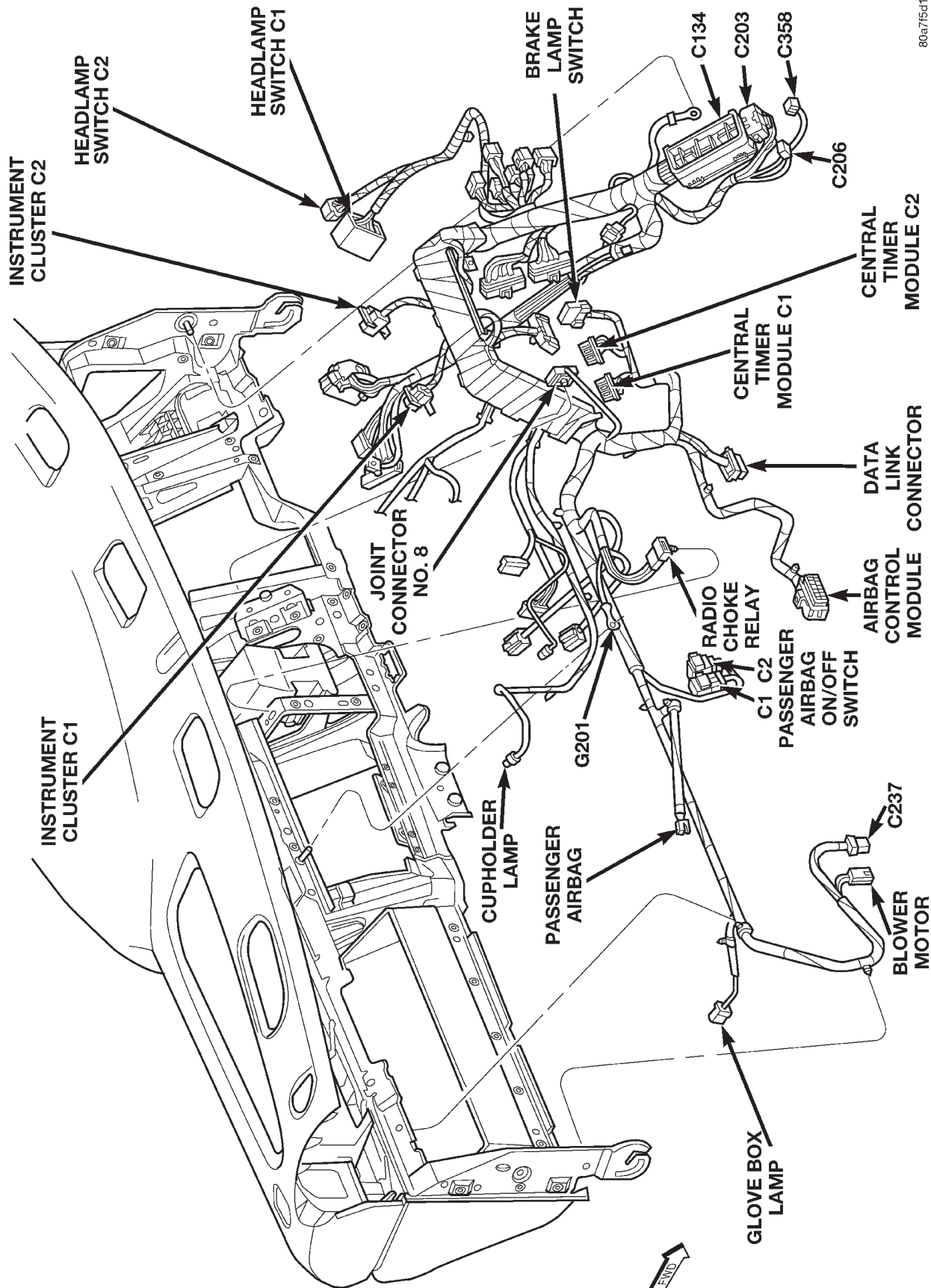
Fig. 28 CHASSIS



80a37489

Fig. 29 FRAME RAIL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80a7f5d1

Fig. 30 INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

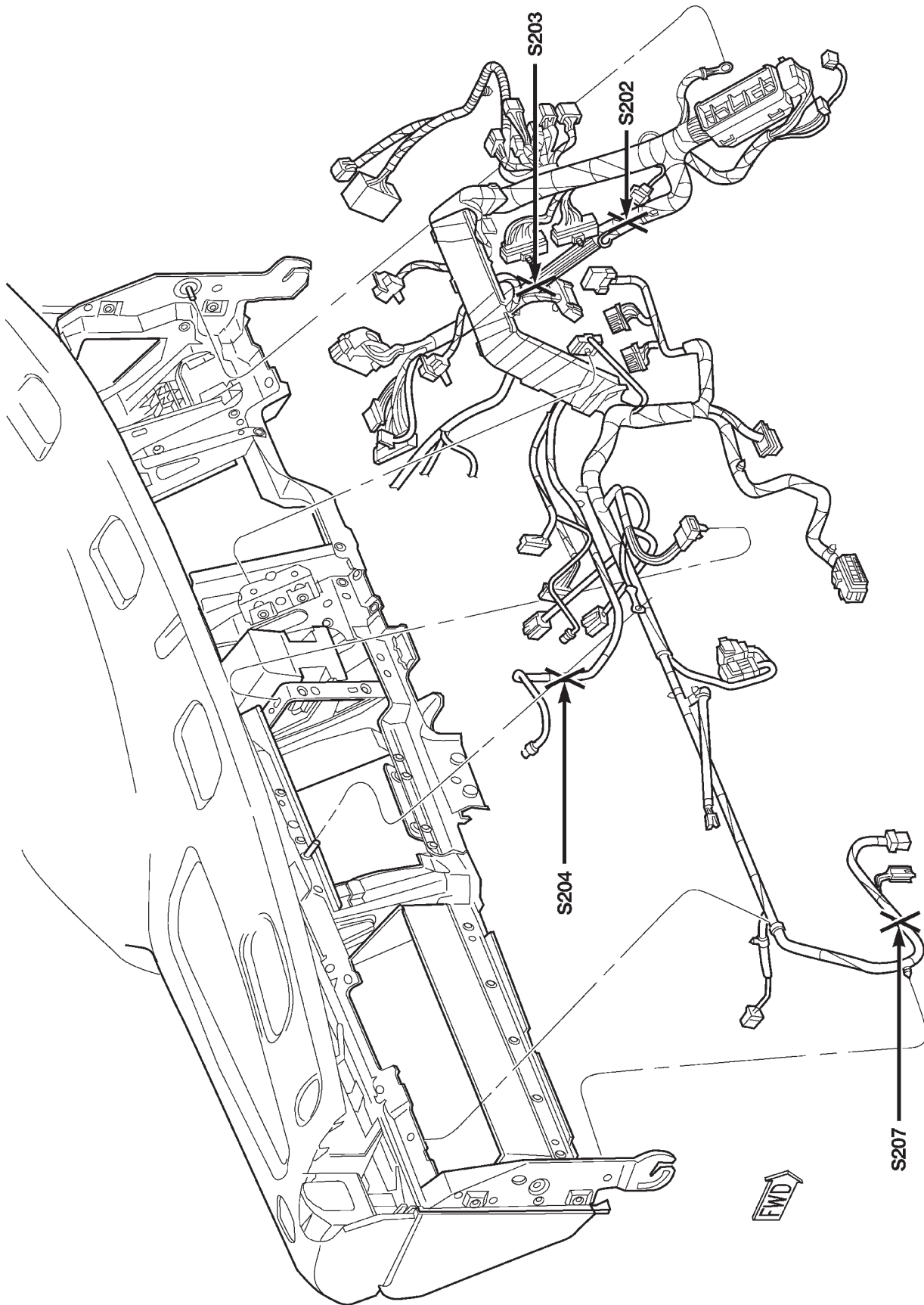
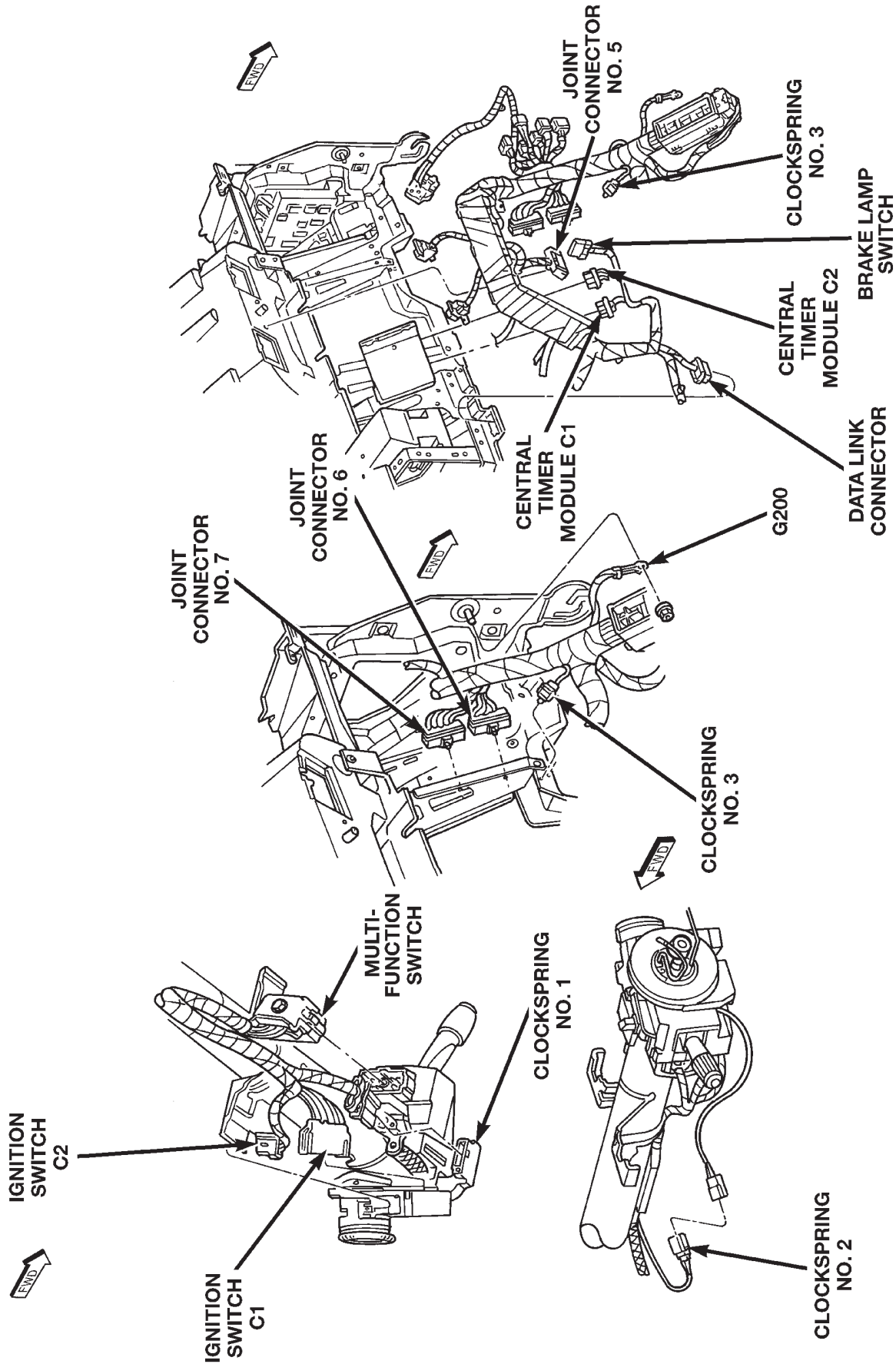


Fig. 31 INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



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Fig. 32 STEERING COLUMN

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

80d01e1b

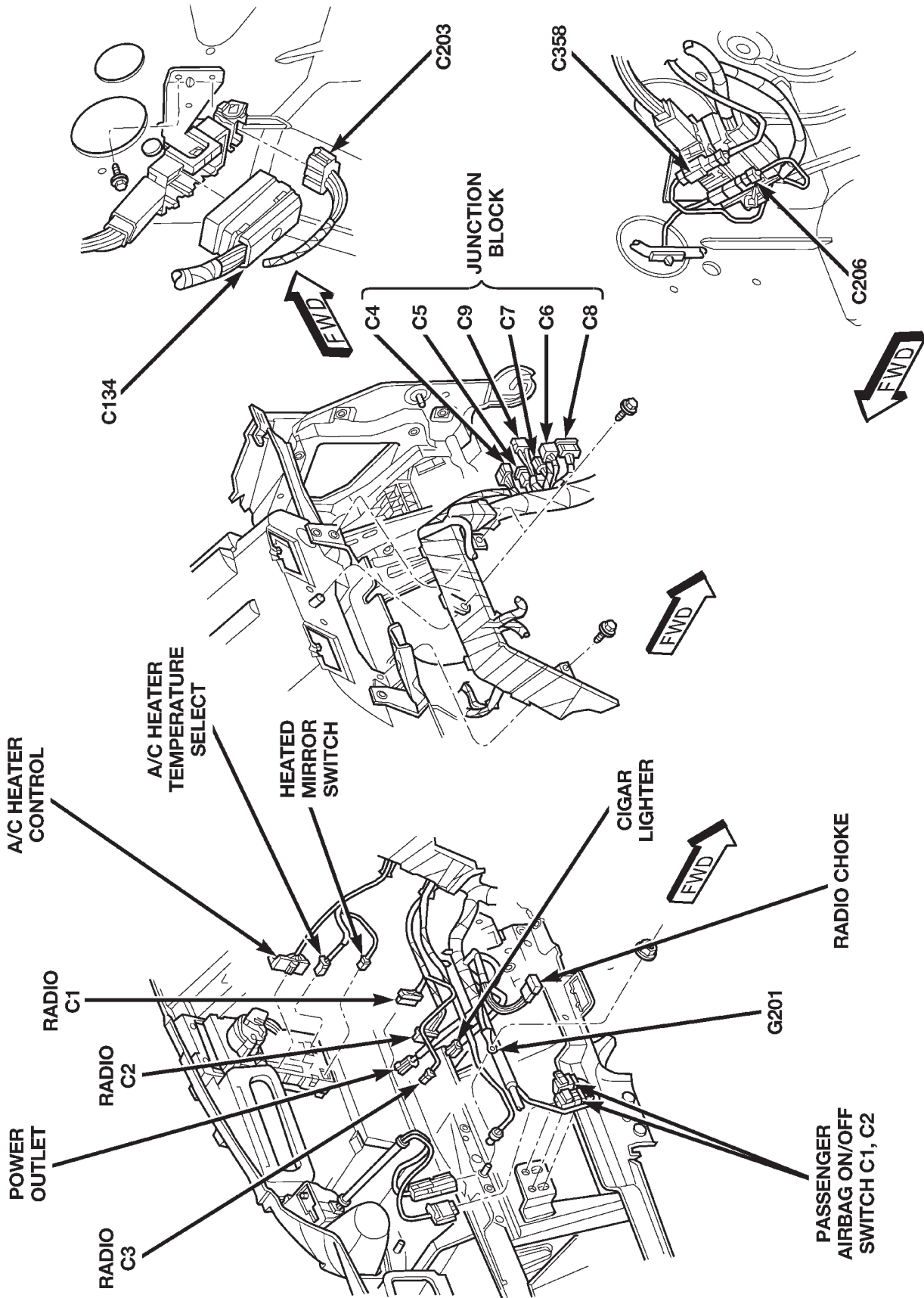
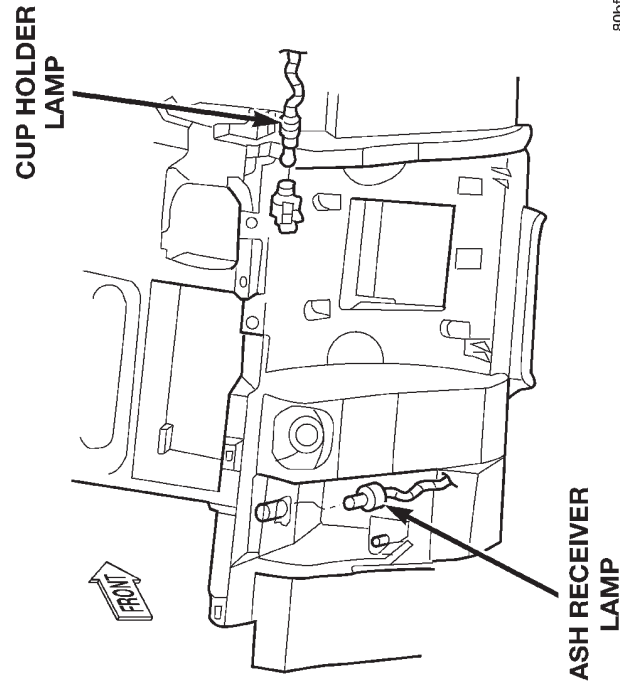
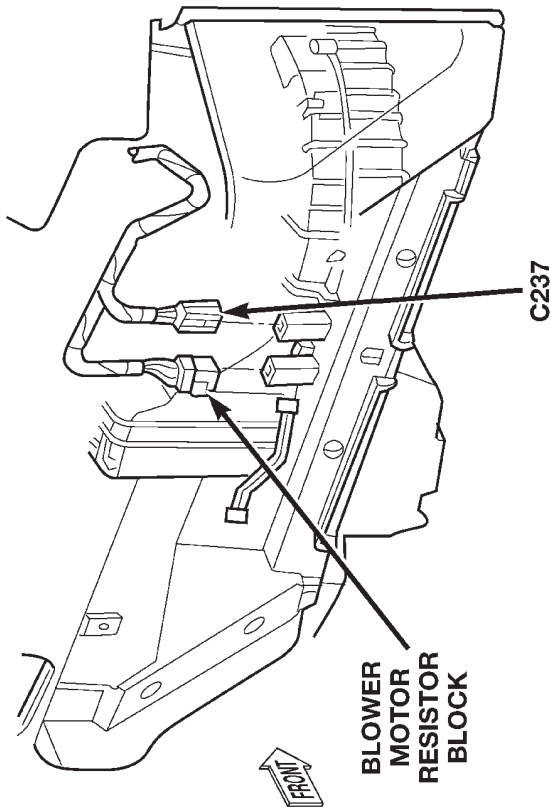


Fig. 33 INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80b1969f

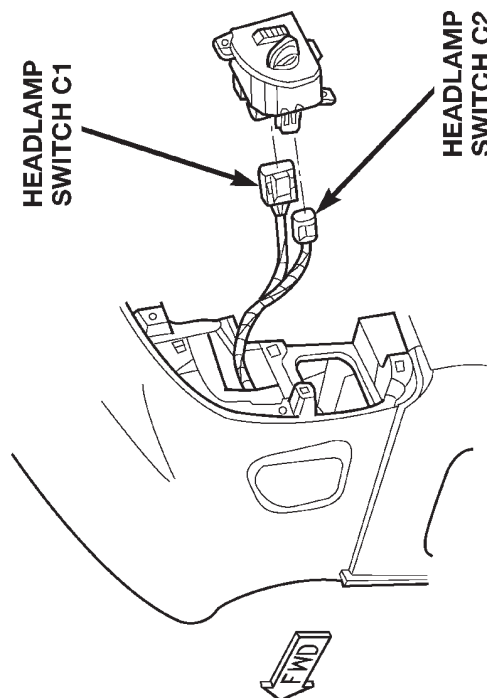
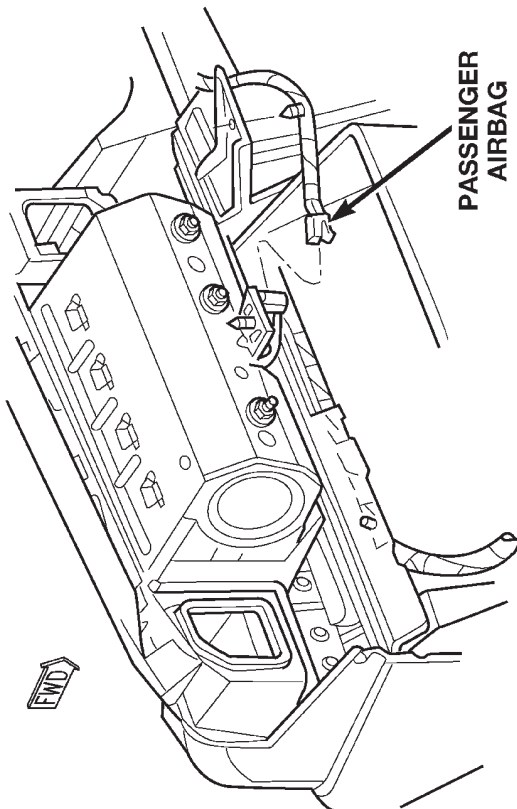
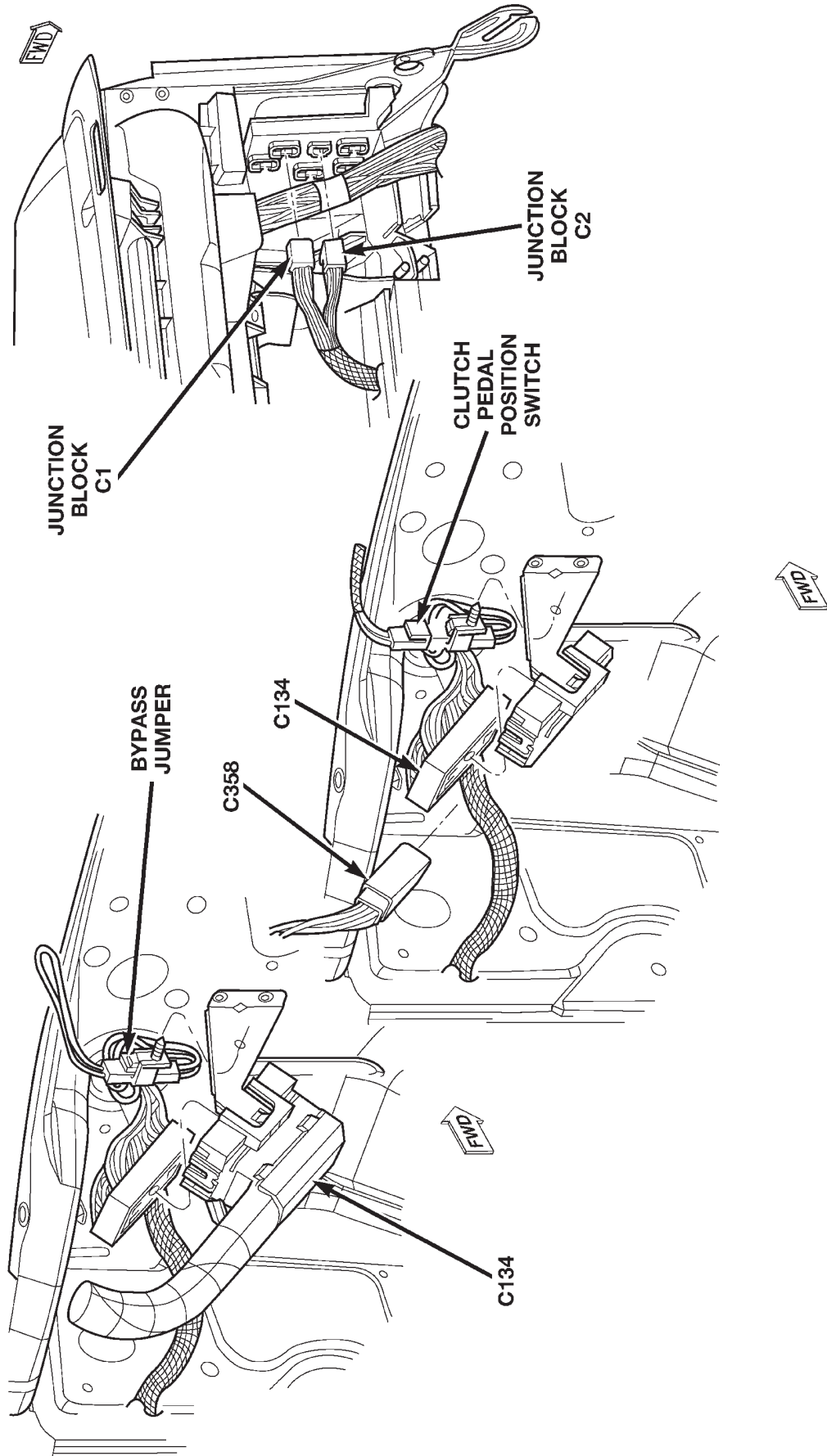


Fig. 34 INSTRUMENT PANEL

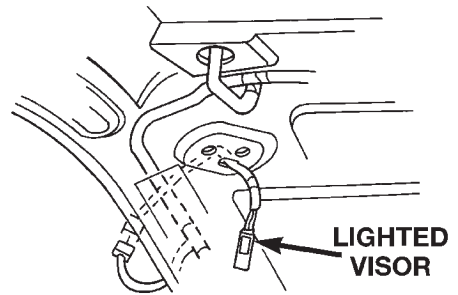
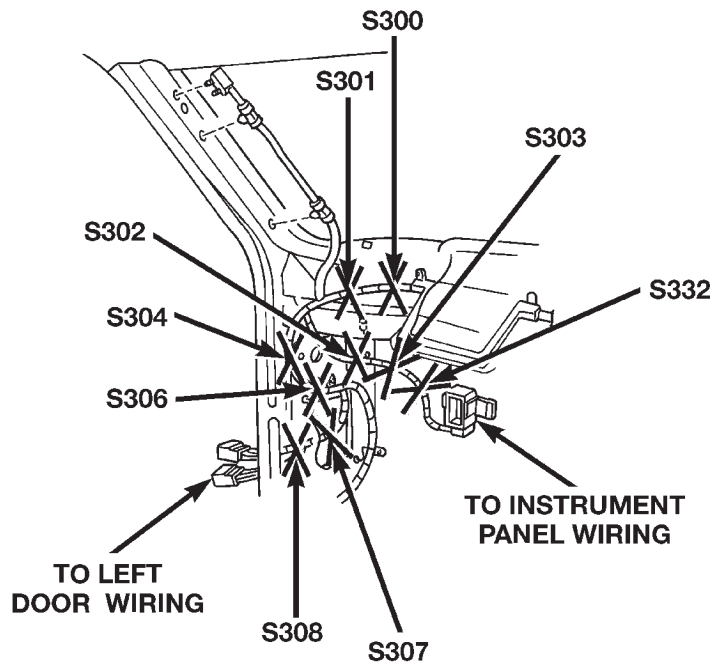
CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80b196a9

Fig. 35 LEFT COWL

8W - 91 - 42 ————— 8W-91 CONNECTOR/GROUND/SPLICE LOCATION ————— BR/BE
CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80be47c6

Fig. 36 LEFT COWL PANEL

8W-97 POWER DISTRIBUTION

TABLE OF CONTENTS

	page		page
POWER DISTRIBUTION		POWER DISTRIBUTION CENTER	
DESCRIPTION	1	DESCRIPTION	8
OPERATION	1	OPERATION	8
SPECIAL TOOLS		REMOVAL	8
POWER DISTRIBUTION SYSTEMS	2	INSTALLATION	10
CIGAR LIGHTER OUTLET		POWER OUTLET	
DESCRIPTION	2	DESCRIPTION	10
OPERATION	2	OPERATION	10
DIAGNOSIS AND TESTING - CIGAR LIGHTER		DIAGNOSIS AND TESTING - POWER OUTLET ..	10
OUTLET	2	REMOVAL	11
REMOVAL	3	INSTALLATION	11
INSTALLATION	4	HORN RELAY	
CIRCUIT BREAKER		DESCRIPTION	12
DESCRIPTION	4	DIAGNOSIS AND TESTING - HORN RELAY ...	12
DIAGNOSIS AND TESTING - CIRCUIT		REMOVAL	12
BREAKER	4	INSTALLATION	12
GENERATOR CARTRIDGE FUSE		HEADLAMP RELAY	
DESCRIPTION	4	DESCRIPTION	13
OPERATION	4	REMOVAL	13
REMOVAL	4	INSTALLATION	13
INSTALLATION	4	MICRO-RELAY	
IOD FUSE		DESCRIPTION	13
DESCRIPTION	5	OPERATION	14
OPERATION	5	DIAGNOSIS AND TESTING - MICRO-RELAY ..	14
REMOVAL	6	REMOVAL	14
INSTALLATION	6	INSTALLATION	14
JUNCTION BLOCK		RELAY	
DESCRIPTION	6	DESCRIPTION	14
OPERATION	7	OPERATION	14
DIAGNOSIS AND TESTING - JUNCTION		DIAGNOSIS AND TESTING - RELAY	15
BLOCK	7	REMOVAL	15
REMOVAL	7	INSTALLATION	15
INSTALLATION	8		

POWER DISTRIBUTION

DESCRIPTION

This group covers the various standard and optional power distribution components used on this model. The power distribution system for this vehicle consists of the following components:

- Power Distribution Center (PDC)
- Junction Block (JB).

The power distribution system also incorporates various types of circuit control and protection features, including:

- Automatic resetting circuit breakers
- Blade-type fuses

- Cartridge fuses
- Circuit splice blocks
- Flashers
- Relays.

Following are general descriptions of the major components in the power distribution system. See the owner's manual in the vehicle glove box for more information on the features and use of all of the power distribution system components. Refer to **Wiring Diagrams** for complete circuit diagrams for the various power distribution system components.

OPERATION

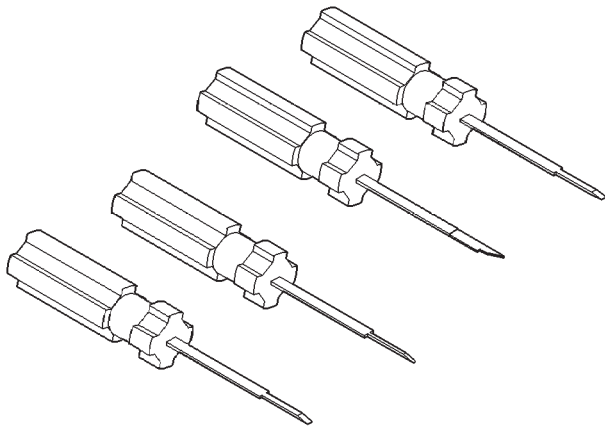
The power distribution system for this vehicle is designed to provide safe, reliable, and centralized dis-

POWER DISTRIBUTION (Continued)

tribution points for the electrical current required to operate all of the many standard and optional factory-installed electrical and electronic powertrain, chassis, safety, security, comfort and convenience systems. At the same time, the power distribution system was designed to provide ready access to these electrical distribution points for the vehicle technician to use when conducting diagnosis and repair of faulty circuits. The power distribution system can also prove useful for the sourcing of additional electrical circuits that may be required to provide the electrical current needed to operate many accessories that the vehicle owner may choose to have installed in the aftermarket.

SPECIAL TOOLS

POWER DISTRIBUTION SYSTEMS



Terminal Pick Kit 6680

CIGAR LIGHTER OUTLET

DESCRIPTION

A cigar lighter is standard equipment on this model. The cigar lighter is installed in the instrument panel next to the ash receiver, which is located near the center of the instrument panel, below the radio. The cigar lighter base is secured by a snap fit within the instrument panel.

The cigar lighter knob and heating element unit, and the cigar lighter receptacle unit are available for service. These components cannot be repaired and, if faulty or damaged, they must be replaced.

OPERATION

The cigar lighter consists of two major components: a knob and heating element unit, and the cigar lighter base or receptacle shell. The receptacle shell is connected to ground, and an insulated contact in the bottom of the shell is connected to battery current. The cigar lighter receives battery voltage from a

fuse in the junction block only when the ignition switch is in the Accessory or On positions.

The knob and heating element are encased within a spring-loaded housing, which also features a sliding protective heat shield. When the knob and heating element are inserted in the receptacle shell, the heating element resistor coil is grounded through its housing to the receptacle shell. If the cigar lighter knob is pushed inward, the heat shield slides up toward the knob exposing the heating element, and the heating element extends from the housing toward the insulated contact in the bottom of the receptacle shell.

Two small spring-clip retainers are located on either side of the insulated contact inside the bottom of the receptacle shell. These clips engage and hold the heating element against the insulated contact long enough for the resistor coil to heat up. When the heating element is engaged with the contact, battery current can flow through the resistor coil to ground, causing the resistor coil to heat.

When the resistor coil becomes sufficiently heated, excess heat radiates from the heating element causing the spring-clips to expand. Once the spring-clips expand far enough to release the heating element, the spring-loaded housing forces the knob and heating element to pop back outward to their relaxed position. When the cigar lighter knob and element are pulled out of the receptacle shell, the protective heat shield slides downward on the housing so that the heating element is recessed and shielded around its circumference for safety.

DIAGNOSIS AND TESTING - CIGAR LIGHTER OUTLET

For complete circuit diagrams, refer to **Cigar Lighter** in Wiring Diagrams.

WARNING: REFER TO THE PASSIVE RESTRAINT SECTION OF THE SERVICE MANUAL BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Check the fused ignition switch output (run/accessory) fuse in the junction block. If OK, go to Step 2. If not OK, repair the shorted circuit or component as required and replace the faulty fuse.

(2) Turn the ignition switch to the On position. Check for battery voltage at the fused ignition switch output (run/accessory) fuse in the junction block. If OK, go to Step 3. If not OK, repair the open fused

CIGAR LIGHTER OUTLET (Continued)

ignition switch output (run/accessory) circuit to the ignition switch as required.

(3) Turn the ignition switch to the Off position. Remove the cigar lighter knob and element from the cigar lighter receptacle. Check for continuity between the inside circumference of the cigar lighter receptacle and a good ground. There should be continuity. If OK, go to Step 4. If not OK, go to Step 5.

(4) Turn the ignition switch to the On position. Check for battery voltage at the insulated contact located at the back of the cigar lighter receptacle. If OK, replace the faulty cigar lighter knob and element. If not OK, go to Step 5.

(5) Turn the ignition switch to the Off position. Disconnect and isolate the battery negative cable. Remove the cigar lighter receptacle from the instrument panel and disconnect the wire harness connector. Check for continuity between the ground circuit cavity of the cigar lighter wire harness connector and a good ground. There should be continuity. If OK, go to Step 6. If not OK, repair the open ground circuit to ground as required.

(6) Connect the battery negative cable. Turn the ignition switch to the On position. Check for battery voltage at the fused ignition switch output (run/accessory) circuit cavity of the cigar lighter wire harness connector. If OK, replace the faulty cigar lighter receptacle. If not OK, repair the open fused ignition switch output (run/accessory) circuit to the junction block fuse as required.

REMOVAL

(1) Disconnect and isolate the battery negative cable.

(2) Pull the cigar lighter knob and element out of the cigar lighter receptacle base, or unsnap the protective cap from the power outlet receptacle base (Fig. 1).

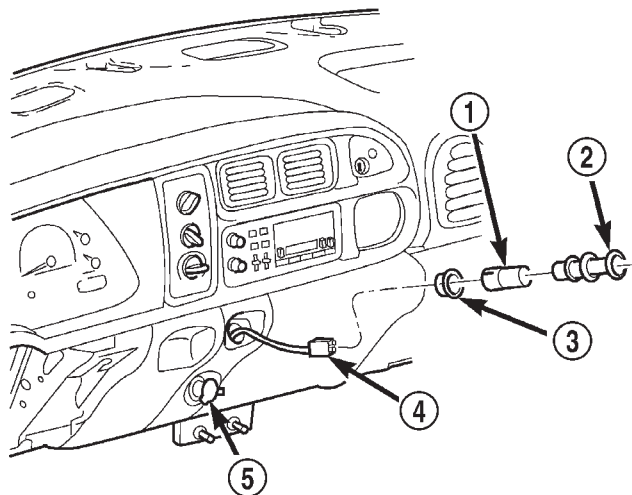
(3) Look inside the cigar lighter or power outlet receptacle base and note the position of the rectangular retaining bosses of the mount that secures the receptacle base to the instrument panel (Fig. 2).

(4) Insert a pair of external snap ring pliers into the cigar lighter or power outlet receptacle base and engage the tips of the pliers with the retaining bosses of the mount.

(5) Squeeze the pliers to disengage the mount retaining bosses from the receptacle base and, using a gentle rocking motion, pull the pliers and the receptacle base out of the mount.

(6) Pull the receptacle base away from the instrument panel far enough to access the instrument panel wire harness connector.

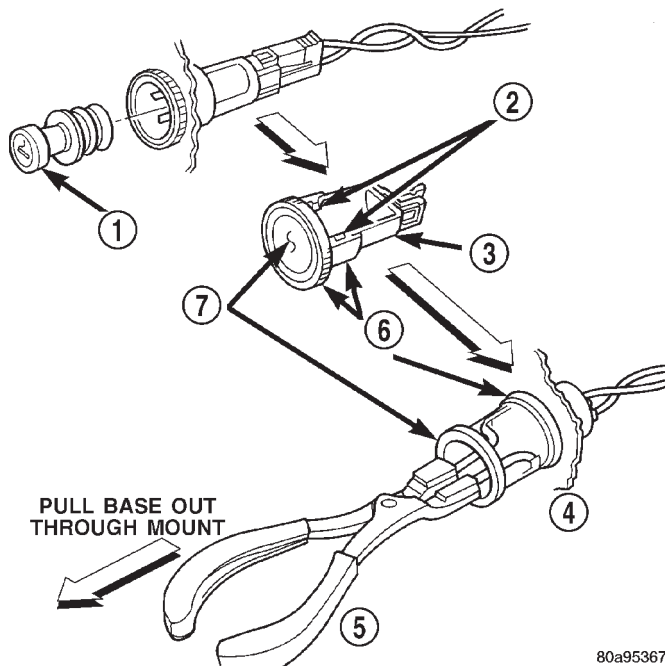
(7) Disconnect the instrument panel wire harness connector from the cigar lighter or power outlet receptacle base connector receptacle.



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Fig. 1 Cigar Lighter and Power Outlet - Typical

- 1 - RECEPTACLE BASE
- 2 - KNOB & ELEMENT
- 3 - MOUNT
- 4 - WIRE HARNESS CONNECTOR
- 5 - POWER OUTLET



80a95367

Fig. 2 Cigar Lighter and Power Outlet Remove/Install

- 1 - KNOB AND ELEMENT
- 2 - RETAINING BOSSES-ENGAGE PLIERS HERE
- 3 - BASE
- 4 - PARTIALLY REMOVED
- 5 - EXTERNAL SNAP-RING PLIERS
- 6 - MOUNT
- 7 - BASE

CIGAR LIGHTER OUTLET (Continued)

(8) Remove the cigar lighter or power outlet mount from the instrument panel.

INSTALLATION

(1) Reconnect the instrument panel wire harness connector to the cigar lighter or power outlet receptacle base connector receptacle.

(2) Install the cigar lighter or power outlet mount into the instrument panel.

(3) Align the splines on the outside of the cigar lighter or power outlet receptacle base connector receptacle with the grooves on the inside of the mount.

(4) Press firmly on the cigar lighter or power outlet receptacle base until the retaining bosses of the mount are fully engaged in their receptacles.

(5) Install the cigar lighter knob and element into the cigar lighter receptacle base, or the protective cap into the power outlet receptacle base.

(6) Reconnect the battery negative cable.

CIRCUIT BREAKER**DESCRIPTION**

Automatic resetting circuit breakers are used to protect a system circuit from a short circuit or overload. Some examples of this condition can be caused by an obstructed or stuck seat adjuster or power window motor.

The circuit breaker cannot be repaired and, if faulty or damaged, it must be replaced.

DIAGNOSIS AND TESTING - CIRCUIT BREAKER

For circuit descriptions and diagrams, refer to Wiring Diagrams.

(1) Locate the correct circuit breaker in the junction block. Pull out the circuit breaker slightly, but be certain that the circuit breaker terminals still contact the terminals in the junction block cavities.

(2) Connect the negative lead of a 12-volt DC voltmeter to a good ground.

(3) With the voltmeter positive lead, check both terminals of the circuit breaker for battery voltage.

If only one terminal has battery voltage, the circuit breaker is faulty and must be replaced. If neither terminal has battery voltage, repair the open circuit from the Power Distribution Center (PDC) as required.

GENERATOR CARTRIDGE FUSE**DESCRIPTION**

A 140 ampere generator cartridge fuse is used on this model. The generator cartridge fuse is similar to other cartridge fuses found in the Power Distribution Center (PDC). This fuse has a color-coded plastic housing and a clear plastic fuse conductor inspection cover like other cartridge fuses, but has a higher current rating and is connected and secured with screws instead of being pushed onto male spade-type terminals. The generator cartridge fuse cannot be repaired and, if faulty or damaged, it must be replaced.

OPERATION

The generator cartridge fuse is secured between the two B(+) terminal stud connection bus bars within the Power Distribution Center (PDC). This fuse protects the vehicle electrical system from damage that could be caused by excessive charging system output and/or excessive electrical system current levels resulting from a faulty generator or faulty charging system control circuits. If the current rating of the fuse is exceeded, the fuse conductor melts to open the generator output circuit connection to the PDC. If a generator cartridge fuse fails, be certain to completely inspect and test the vehicle charging system before replacing the fuse and returning the vehicle to service. Refer to **Charging System** for the charging system diagnostic procedures. Refer to **Wiring Diagrams** for the location of complete PDC circuit diagrams.

REMOVAL

If a generator cartridge fuse fails, be certain to inspect and test the vehicle charging system before replacing the cartridge fuse and returning the vehicle to service. Refer to **Charging System** in the index of this service manual for the charging system diagnostic procedures.

(1) Disconnect and isolate the battery negative cable.

(2) Unlatch and remove the cover from the Power Distribution Center (PDC).

(3) Remove the two screws that secure the generator cartridge fuse to the two B(+) terminal stud bus bars within the PDC.

(4) Remove the generator cartridge fuse from the PDC.

INSTALLATION

If a generator cartridge fuse fails, be certain to inspect and test the vehicle charging system before replacing the cartridge fuse and returning the vehicle

GENERATOR CARTRIDGE FUSE (Continued)

to service. Refer to **Charging System** in the index of this service manual for the charging system diagnostic procedures.

(1) Position the generator cartridge fuse onto the two B(+) terminal stud bus bars within the PDC.

(2) Install and tighten the two screws that secure the generator cartridge fuse to the two B(+) terminal stud bus bars within the PDC. Tighten the screws to 3.4 N·m (30 in. lbs.). **Be certain that both screws are tightened to the proper torque value.**

(3) Install and latch the cover onto the PDC.

(4) Reconnect the battery negative cable.

IOD FUSE

DESCRIPTION

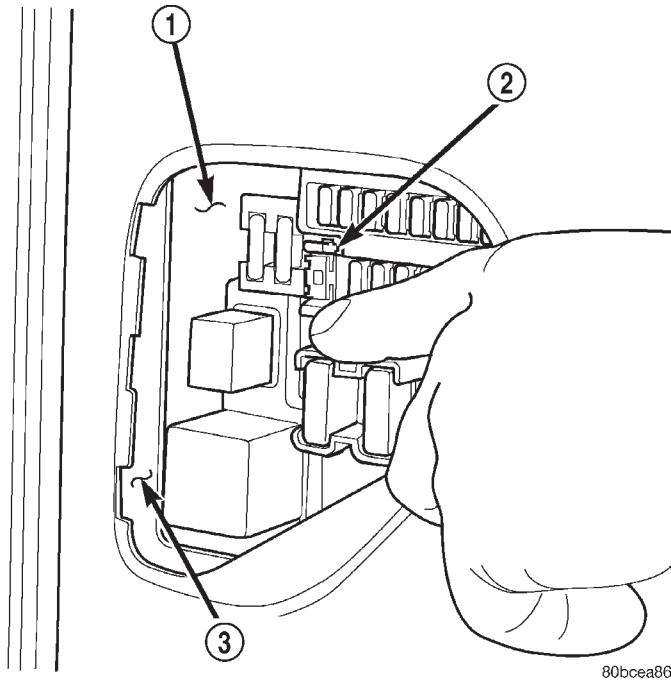


Fig. 3 Ignition-Off Draw Fuse

- 1 - JUNCTION BLOCK
- 2 - IGNITION-OFF DRAW FUSE AND HOLDER
- 3 - LEFT INSTRUMENT PANEL END BRACKET

All vehicles are equipped with an Ignition-Off Draw (IOD) fuse (Fig. 3) that is disconnected within the Junction Block when the vehicle is shipped from the factory. Dealer personnel are to reconnect the IOD fuse in the junction block as part of the preparation procedures performed just prior to new vehicle delivery.

The left end of the instrument panel cover has a snap-fit fuse access panel that can be removed to provide service access to the fuses in the junction block. A finger recess is molded into the access panel for easy removal. An adhesive-backed fuse layout map is

secured to the instrument panel side of the access panel to ensure proper fuse identification. The IOD fuse is a 10 ampere mini blade-type fuse. The fuse is secured within a black molded plastic fuse holder and puller unit that serves both as a tool for disconnecting and reconnecting the fuse in its junction block cavity, and as a fuse holder that conveniently stores the fuse in the same junction block cavity after it has been disconnected.

CIRCUITS INCLUDED WITH IOD FUSE

- Cargo Lamp
- CHMSL
- Diagnostic Connector
- Dome Lamp
- Glove Box Lamp
- Map/Reading Lamps
- Power Mirrors
- Radio
- Under Hood Lamp

OPERATION

The term ignition-off draw identifies a normal condition where power is being drained from the battery with the ignition switch in the Off position. The IOD fuse feeds the memory and sleep mode functions for some of the electronic modules in the vehicle as well as various other accessories that require battery current when the ignition switch is in the Off position, including the clock. The only reason the IOD fuse is disconnected is to reduce the normal IOD of the vehicle electrical system during new vehicle transportation and pre-delivery storage to reduce battery depletion, while still allowing vehicle operation so that the vehicle can be loaded, unloaded and moved as needed by both vehicle transportation company and dealer personnel.

The IOD fuse is disconnected from JB fuse cavity 12 when the vehicle is shipped from the assembly plant. Dealer personnel must reconnect the IOD fuse when the vehicle is being prepared for delivery in order to restore full electrical system operation. Once the vehicle is prepared for delivery, the IOD function of this fuse becomes transparent and the fuse that has been assigned the IOD designation becomes only another Fused B(+) circuit fuse. The IOD fuse serves no useful purpose to the dealer technician in the service or diagnosis of any vehicle system or condition, other than the same purpose as that of any other standard circuit protection device.

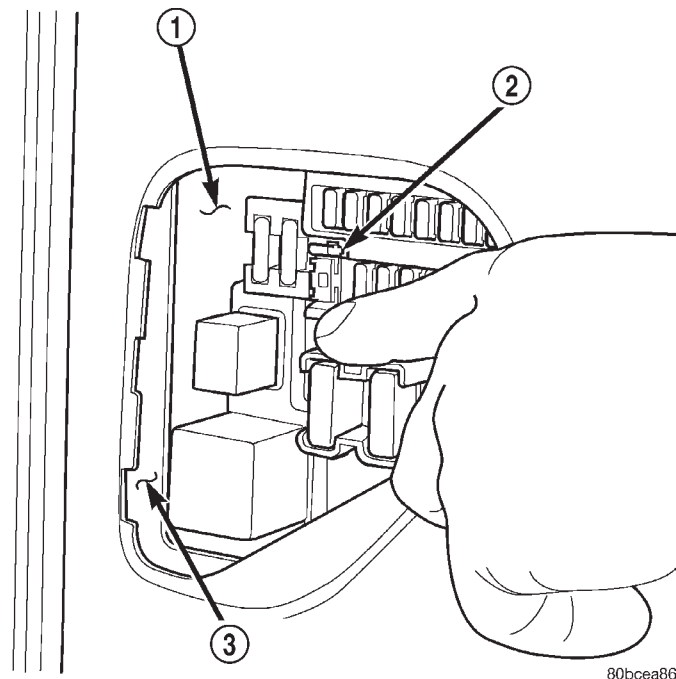
The IOD fuse can be used by the vehicle owner as a convenient means of reducing battery depletion when a vehicle is to be stored for periods not to exceed about thirty days. However, it must be remembered that disconnecting the IOD fuse will not eliminate IOD, but only reduce this normal condition.

IOD FUSE (Continued)

If a vehicle will be stored for more than about thirty days, the battery negative cable should be disconnected to eliminate normal IOD; and, the battery should be tested and recharged at regular intervals during the vehicle storage period to prevent the battery from becoming discharged or damaged. Refer to the **Battery** section of the service manual for the location of additional service information covering the battery.

REMOVAL

The Ignition-Off Draw (IOD) fuse is disconnected from Junction Block (JB) fuse cavity 12 when the vehicle is shipped from the assembly plant. Dealer personnel must reconnect the IOD fuse when the vehicle is being prepared for delivery in order to restore full electrical system operation.



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Fig. 4 Ignition-Off Draw Fuse

- 1 - JUNCTION BLOCK
- 2 - IGNITION-OFF DRAW FUSE AND HOLDER
- 3 - LEFT INSTRUMENT PANEL END BRACKET

- (1) Turn the ignition switch to the Off position.
- (2) Remove the fuse access panel by unsnapping it from the left outboard end of the instrument panel.
- (3) Grasp the upper and lower tabs of the IOD fuse holder unit in fuse cavity 12 (Fig. 4) of the JB between the thumb and forefinger and pull the unit firmly outward.
- (4) Install the fuse access panel by snapping it onto the left outboard end of the instrument panel.

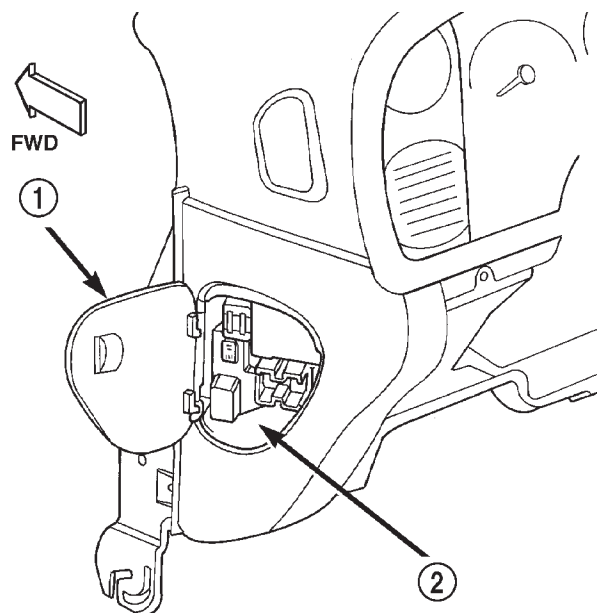
INSTALLATION

The Ignition-Off Draw (IOD) fuse is disconnected from Junction Block (JB) fuse cavity 12 when the vehicle is shipped from the assembly plant. Dealer personnel must reconnect the IOD fuse when the vehicle is being prepared for delivery in order to restore full electrical system operation.

- (1) Turn the ignition switch to the Off position.
- (2) To install the IOD fuse, use a thumb to press the IOD fuse holder unit in fuse cavity 12 firmly into the JB.
- (3) Install the fuse access panel by snapping it onto the left outboard end of the instrument panel.

JUNCTION BLOCK

DESCRIPTION



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Fig. 5 Junction Block Location

- 1 - JUNCTION BLOCK
- 2 - FUSE ACCESS PANEL

An electrical Junction Block (JB) is concealed behind the left outboard end of the instrument panel cover (Fig. 5). The JB combines the functions previously provided by a separate fuseblock module and relay center, serves to simplify and centralize numerous electrical components, and to distribute electrical current to many of the accessory systems in the vehicle. It also eliminates the need for numerous splice connections and serves in place of a bulkhead connec-

JUNCTION BLOCK (Continued)

tor between many of the engine compartment, instrument panel, and body wire harnesses. The JB houses up to nineteen blade-type fuses (two standard-type and seventeen mini-type), up to two blade-type automatic resetting circuit breakers, the electronic combination turn signal and hazard warning flasher, and one International Standards Organization (ISO) micro-relay.

The molded plastic JB housing has integral mounting brackets that are secured with two screws to the left instrument panel end bracket. The left end of the instrument panel cover has a snap-fit fuse access panel that can be removed for service of the JB. A fuse puller and spare fuse holders are located on the back of the fuse access cover, as well as an adhesive-backed fuse layout map to ensure proper fuse identification.

The JB unit cannot be repaired and is only serviced as an assembly. If any internal circuit or the JB housing is faulty or damaged, the entire JB unit must be replaced.

OPERATION

All of the circuits entering and leaving the JB do so through up to nine wire harness connectors, which are connected to the JB through integral connector receptacles molded into the JB housing. Internal connection of all of the JB circuits is accomplished by an intricate combination of hard wiring and bus bars. Refer to **Wiring Diagrams** for the location of complete JB circuit diagrams.

DIAGNOSIS AND TESTING - JUNCTION BLOCK

The junction block does not incorporate any self diagnostic capability. Most of the electrical circuits incorporated into the vehicle must pass through the junction block at one point or another. The most efficient means of diagnosing a suspected junction block problem involves a simple continuity tester or ohm meter. Using the Wiring Diagrams as a guide trace the problem circuit to the proper junction block cavity and test all circuits in the effected circuit for proper continuity. A open or high resistance circuit is a sign of a problem. Some other possible junction block problems to look for are:

- Loose fuse receptacle terminals.
- Loose relay / circuit breaker receptacle terminals.
- Bent or distorted electrical circuit pins.
- Incorrect size fuse installed in junction block fuse cavity.
- Dark areas identifying a source of excess heat.
- Defective fuse, relay or circuit breaker installed in junction block cavity.

REMOVAL

- (1) Disconnect and isolate the battery negative cable.
- (2) Remove the fuse access bezel from the instrument panel.
- (3) Remove the steering column cover (Refer to 23 - BODY/INSTRUMENT PANEL/STEERING COLUMN OPENING COVER - REMOVAL).
- (4) Remove the hood release handle retaining screws and position the handle assembly out of the way.
- (5) Remove the lower knee blocker from the instrument panel.
- (6) Pull drivers side carpet down, out of the way.
- (7) Remove the parking brake switch connector, release linkage and retaining fasteners and position the assembly out the drivers door opening.
- (8) Remove the electrical ground connections, located behind park brake mounting location.
- (9) Remove the two junction block retaining screws. To access the upper retaining screw a 15 inch long #2 Phillips screwdriver will be required. Access the upper screw through hole in dash support brace.
- (10) Reach through the outboard side of the instrument panel steering column opening to access and disconnect all of the wire harness connectors from the Junction Block (JB) connector receptacles (Fig. 6).

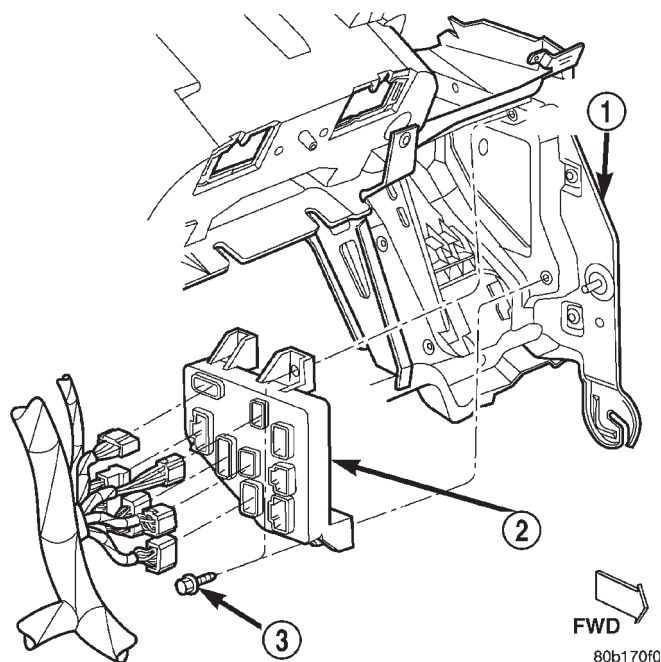


Fig. 6 Junction Block Remove/Install

- 1 - I.P. End Bracket
- 2 - Junction Block
- 3 - Screws

JUNCTION BLOCK (Continued)

(11) Remove the junction block from under the instrument panel.

INSTALLATION

NOTE: If the Junction Block (JB) is being replaced with a new unit, be certain to transfer each of the fuses, circuit breakers and relays from the faulty JB to the proper cavities of the replacement JB. Refer to Junction Block in the index of this service manual for the location of complete circuit diagrams and cavity assignments for the JB.

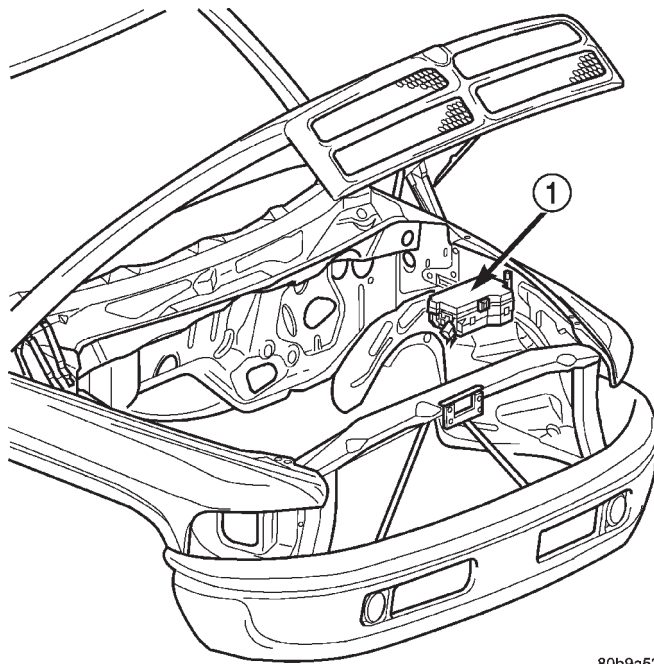
- (1) Position the junction block under the instrument panel.
- (2) Connect all of the wire harness connectors on the Junction Block (JB) connector receptacles.
- (3) Install the two junction block retaining screws.
- (4) Install the electrical ground connections, located behind park brake mounting location.
- (5) Install the parking brake switch connector, release linkage and retaining fasteners.
- (6) Reposition drivers side carpet.
- (7) Install the lower knee blocker on the instrument panel.
- (8) Install the hood release handle retaining screws.
- (9) Install the steering column cover.
- (10) Install the fuse access bezel on the instrument panel.
- (11) Connect the battery negative cable.

POWER DISTRIBUTION CENTER

DESCRIPTION

All of the electrical current distributed throughout this vehicle is directed through the standard equipment Power Distribution Center (PDC) (Fig. 7). The molded plastic PDC housing is located in the left front corner of the engine compartment, just behind the battery. The PDC houses the generator cartridge fuse and up to twelve maxi-type cartridge fuses, which replace all in-line fusible links. The PDC also houses up to thirteen blade-type fuses (two standard-type and eleven mini-type), up to seventeen International Standards Organization (ISO) relays (five standard-type and twelve micro-type), two joint connectors (one eighteen-way and one twenty-eight-way), a forty-three-way engine wire harness in-line connector and a fuse puller.

The PDC housing is secured in the engine compartment on the outboard side with two screws to the left front inner fender shield, and with a screw on the inboard side to the left front inner wheel house. The



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Fig. 7 Power Distribution Center Location

1 - POWER DISTRIBUTION CENTER

PDC housing has a molded plastic cover that includes two integral latches, one on each side. The PDC cover is easily opened and removed for service access and has a convenient adhesive-backed fuse and relay layout map affixed to the inside surface of the cover to ensure proper component identification.

The PDC unit cannot be repaired and is only serviced as a unit with the headlamp and dash wire harness. If the internal circuits or the PDC housing are faulty or damaged, the headlamp and dash wire harness unit must be replaced.

OPERATION

All of the current from the battery and the generator output enters the PDC through two cables with eyelets that are secured with nuts to the two B(+) terminal studs located just inside the inboard end of the PDC housing. The PDC cover is unlatched and removed to access the battery and generator output connection B(+) terminal studs, the fuses, the relays, the joint connectors and the engine wire harness in-line connector. Internal connection of all of the PDC circuits is accomplished by an intricate combination of hard wiring and bus bars. Refer to **Wiring Diagrams** for the location of complete PDC circuit diagrams.

REMOVAL

The Power Distribution Center (PDC) is serviced as a unit with the headlamp and dash wire harness. If any internal circuit of the PDC or the PDC hous-

POWER DISTRIBUTION CENTER (Continued)

ing is faulty or damaged, the entire PDC and headlamp and dash wire harness unit must be replaced.

(1) Disconnect and isolate the battery negative cable.

(2) Disconnect each of the headlamp and dash wire harness connectors. Refer to **Connector Locations** in Wiring for the location of more information on the headlamp and dash wire harness connector locations.

(3) Remove all of the fasteners that secure each of the headlamp and dash wire harness ground eyelets to the vehicle body and chassis components. Refer to **Connector Locations** in Wiring for the location of more information on the ground eyelet locations.

(4) Disengage each of the retainers that secure the headlamp and dash wire harness to the vehicle body and chassis components. Refer to **Connector Locations** in Wiring for the location of more information on the headlamp and dash wire harness retainer locations.

(5) Unlatch and remove the cover from the PDC.

(6) Remove the screw that secures the engine wire harness in-line connector to the PDC and disconnect the connector (Fig. 8).

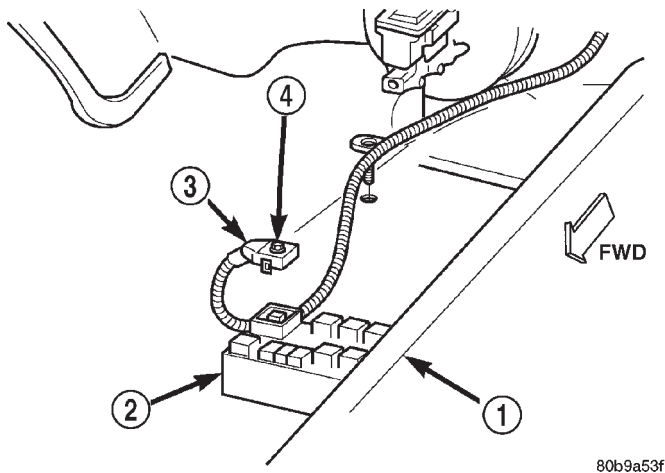


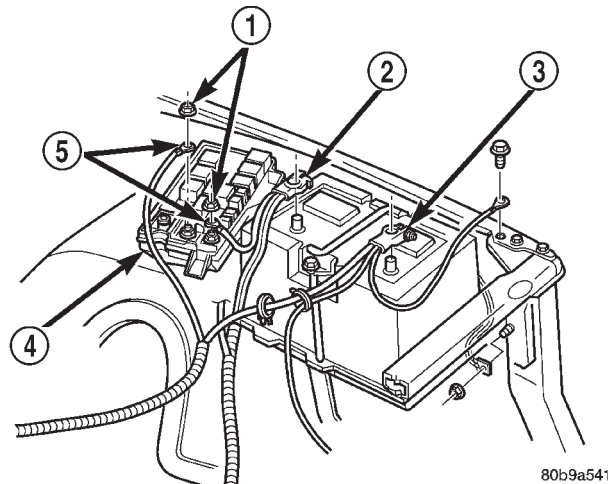
Fig. 8 Engine Wire Harness In-Line Connector

- 1 - LEFT FENDER
- 2 - POWER DISTRIBUTION CENTER
- 3 - ENGINE WIRE HARNESS IN-LINE CONNECTOR
- 4 - SCREW

(7) Remove the nut that secures the eyelet of the battery negative cable generator output take out to the rearward B(+) terminal stud in the PDC and remove the eyelet from the stud (Fig. 9).

(8) Remove the nut that secures the eyelet of the battery positive cable PDC take out to the forward B(+) terminal stud in the PDC and remove the eyelet from the stud.

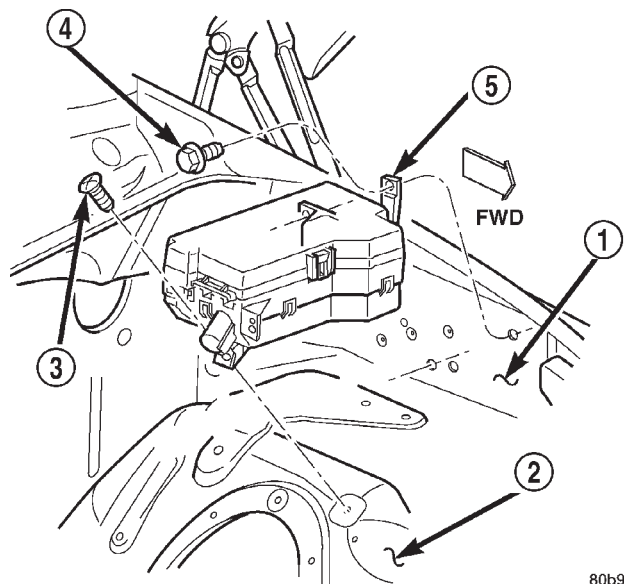
(9) Remove the screw that secures the PDC housing to the left front fender wheel housing (Fig. 10).



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Fig. 9 Battery and Generator Connections to PDC

- 1 - NUTS
- 2 - BATTERY POSITIVE CABLE
- 3 - BATTERY NEGATIVE CABLE
- 4 - POWER DISTRIBUTION CENTER
- 5 - CABLE EYELETS



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Fig. 10 Power Distribution Center

- 1 - FENDER INNER SHIELD
- 2 - INNER WHEEL HOUSE
- 3 - SCREW
- 4 - SCREW
- 5 - POWER DISTRIBUTION CENTER

(10) Remove the two screws that secure the PDC housing to the left front fender inner shield.

(11) Remove the PDC and the headlamp and dash wire harness from the engine compartment as a unit.

POWER DISTRIBUTION CENTER (Continued)

INSTALLATION

The Power Distribution Center (PDC) is serviced as a unit with the headlamp and dash wire harness. If any internal circuit of the PDC or the PDC housing is faulty or damaged, the entire PDC and headlamp and dash wire harness unit must be replaced.

NOTE: If the PDC is being replaced with a new unit, be certain to transfer each of the blade-type fuses, cartridge fuses and relays from the faulty PDC to the proper cavities of the replacement PDC. Refer to Power Distribution in the index of this service manual for the location of complete PDC circuit diagrams and cavity assignments.

(1) Position the PDC and the headlamp and dash wire harness unit in the engine compartment.

(2) Install and tighten the two screws that secure the PDC housing to the left front fender inner shield. Tighten the screws to 8.4 N·m (75 in. lbs.).

(3) Install and tighten the screw that secures the PDC housing to the left front fender wheel housing. Tighten the screw to 2.2 N·m (20 in. lbs.).

(4) Install the eyelet of the battery positive cable PDC take out onto the forward B(+) terminal stud in the PDC.

(5) Install and tighten the nut that secures the eyelet of the battery positive cable PDC take out to the forward B(+) terminal stud in the PDC. Tighten the nut to 8.4 N·m (75 in. lbs.).

(6) Install the eyelet of the battery negative cable generator output take out onto the rearward B(+) terminal stud in the PDC.

(7) Install and tighten the nut that secures the eyelet of the battery negative cable generator output take out to the rearward B(+) terminal stud in the PDC. Tighten the nut to 75 in. lbs.

(8) Reconnect the engine wire harness in-line connector to the PDC.

(9) Install and tighten the screw that secures the engine wire harness in-line connector to the PDC. Tighten the screw until a distinct audible click is heard.

(10) Install and latch the cover onto the PDC.

(11) Engage each of the retainers that secure the headlamp and dash wire harness to the vehicle body and chassis components. Refer to **Connector Locations** in Wiring for the location of more information on the headlamp and dash wire harness retainer locations.

(12) Install all of the fasteners that secure each of the headlamp and dash wire harness ground eyelets to the vehicle body and chassis components. Refer to **Connector Locations** in Wiring for the location of more information on the ground eyelet locations.

(13) Reconnect each of the headlamp and dash wire harness connectors. Refer to **Connector Locations** in Wiring for the location of more information on the headlamp and dash wire harness connector locations.

(14) Reconnect the battery negative cable.

POWER OUTLET

DESCRIPTION

Two power outlets are installed in the vehicle. One in the instrument panel next to the cigar lighter and the other in the right rear quarter trim panel. The power outlet bases are secured by a snap fit within the instrument panel or trim panel. A plastic protective cap snaps into the power outlet base when the power outlet is not being used, and hangs from the power outlet base mount by an integral bail strap while the power outlet is in use.

The power outlet receptacle unit and the accessory power outlet protective cap are available for service. The power outlet receptacle cannot be repaired and, if faulty or damaged, it must be replaced.

OPERATION

The power outlet base or receptacle shell is connected to ground, and an insulated contact in the bottom of the shell is connected to battery current. The power outlet receives battery voltage from a fuse in the Junction Block at all times.

While the power outlet is very similar to a cigar lighter base unit, it does not include the two small spring-clip retainers inside the bottom of the receptacle shell that are used to secure the cigar lighter heating element to the insulated contact.

DIAGNOSIS AND TESTING - POWER OUTLET

For complete circuit diagrams, refer to **Power Outlet** in Wiring Diagrams.

(1) Check the fused B(+) fuse in the junction block. If OK, go to Step 2. If not OK, repair the shorted circuit or component as required and replace the faulty fuse.

(2) Check for battery voltage at the fused B(+) fuse in the junction block. If OK, go to Step 3. If not OK, repair the open fused B(+) circuit to the battery as required.

(3) Remove the plastic protective cap from the power outlet receptacle. Check for continuity between the inside circumference of the power outlet receptacle and a good ground. There should be continuity. If OK, go to Step 4. If not OK, go to Step 5.

(4) Check for battery voltage at the insulated contact located at the back of the power outlet receptacle. If not OK, go to Step 5.

POWER OUTLET (Continued)

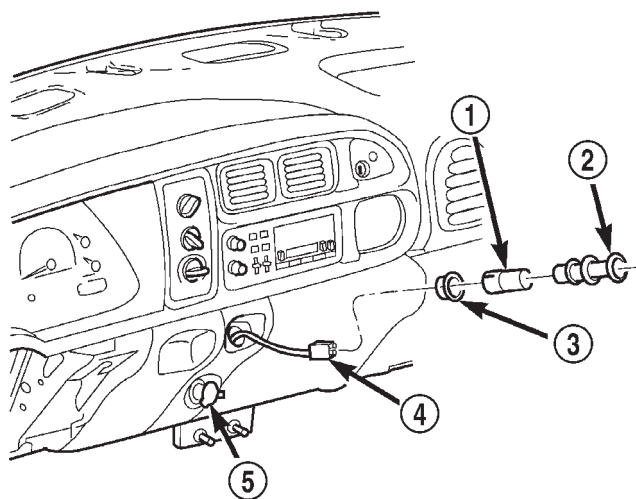
(5) Disconnect and isolate the battery negative cable. Remove the power outlet receptacle from the instrument panel. Disconnect the wire harness connector from the power outlet receptacle. Check for continuity between the ground circuit cavity of the power outlet wire harness connector and a good ground. There should be continuity. If OK, go to Step 6. If not OK, repair the open ground circuit to ground as required.

(6) Connect the battery negative cable. Check for battery voltage at the fused B(+) circuit cavity of the power outlet wire harness connector. If OK, replace the faulty power outlet receptacle. If not OK, repair the open fused B(+) circuit to the junction block fuse as required.

REMOVAL

(1) Disconnect and isolate the battery negative cable.

(2) Pull the cigar lighter knob and element out of the cigar lighter receptacle base, or unsnap the protective cap from the power outlet receptacle base (Fig. 11).



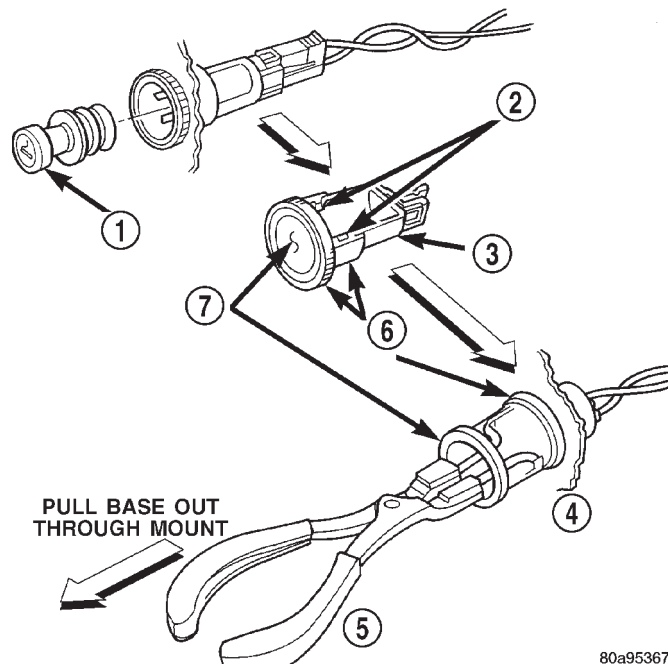
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Fig. 11 Cigar Lighter and Power Outlet - Typical

- 1 - RECEPTACLE BASE
- 2 - KNOB & ELEMENT
- 3 - MOUNT
- 4 - WIRE HARNESS CONNECTOR
- 5 - POWER OUTLET

(3) Look inside the cigar lighter or power outlet receptacle base and note the position of the rectangular retaining bosses of the mount that secures the receptacle base to the instrument panel (Fig. 12).

(4) Insert a pair of external snap ring pliers into the cigar lighter or power outlet receptacle base and engage the tips of the pliers with the retaining bosses of the mount.



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Fig. 12 Cigar Lighter and Power Outlet Remove/Install

- 1 - KNOB AND ELEMENT
- 2 - RETAINING BOSSES-ENGAGE PLIERS HERE
- 3 - BASE
- 4 - PARTIALLY REMOVED
- 5 - EXTERNAL SNAP-RING PLIERS
- 6 - MOUNT
- 7 - BASE

(5) Squeeze the pliers to disengage the mount retaining bosses from the receptacle base and, using a gentle rocking motion, pull the pliers and the receptacle base out of the mount.

(6) Pull the receptacle base away from the instrument panel far enough to access the instrument panel wire harness connector.

(7) Disconnect the instrument panel wire harness connector from the cigar lighter or power outlet receptacle base connector receptacle.

(8) Remove the cigar lighter or power outlet mount from the instrument panel.

INSTALLATION

(1) Reconnect the instrument panel wire harness connector to the cigar lighter or power outlet receptacle base connector receptacle.

(2) Install the cigar lighter or power outlet mount into the instrument panel.

(3) Align the splines on the outside of the cigar lighter or power outlet receptacle base connector receptacle with the grooves on the inside of the mount.

POWER OUTLET (Continued)

(4) Press firmly on the cigar lighter or power outlet receptacle base until the retaining bosses of the mount are fully engaged in their receptacles.

(5) Install the cigar lighter knob and element into the cigar lighter receptacle base, or the protective cap into the power outlet receptacle base.

(6) Reconnect the battery negative cable.

HORN RELAY

DESCRIPTION

The horn relay is a International Standards Organization (ISO) micro-relay. The terminal designations and functions are the same as a conventional ISO relay. However, the micro-relay terminal orientation (or footprint) is different, current capacity is lower, and the relay case dimensions are smaller than those of the conventional ISO relay.

The horn relay is a electromechanical device that switches battery current to the horn when the horn switch or when the high-line or premium Central Timer Module (CTM) grounds the relay coil. See Horn Relay in the Diagnosis and Testing section of this group for more information.

The horn relay is located in the Power Distribution Center (PDC), in the engine compartment. Refer to the PDC label for relay identification and location.

If a problem is encountered with a continuously sounding horn, it can usually be quickly resolved by removing the horn relay from the PDC until further diagnosis is completed.

The horn relay cannot be repaired and, if faulty or damaged, it must be replaced.

DIAGNOSIS AND TESTING - HORN RELAY

The headlamp (or security) relay and the horn relay are located in the Power Distribution Center (PDC) in the engine compartment. Each of these relays can be tested as described in the following procedure, however the circuits they are used in do vary. To test the relay circuits, refer to the circuit descriptions and diagrams in Wiring Diagrams.

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, REFER TO THE RESTRAINTS SECTION OF THE SERVICE MANUAL BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

Remove the relay (Fig. 13) from the PDC as described in this group to perform the following tests:

(1) A relay in the de-energized position should have continuity between terminals 87A and 30, and no continuity between terminals 87 and 30. If OK, go to Step 2. If not OK, replace the faulty relay.

(2) Resistance between terminals 85 and 86 (electromagnet) should be 75 ± 5 ohms. If OK, go to Step 3. If not OK, replace the faulty relay.

(3) Connect a battery to terminals 85 and 86. There should now be continuity between terminals 30 and 87, and no continuity between terminals 87A and 30. If OK, test the relay circuits. If not OK, replace the faulty relay.

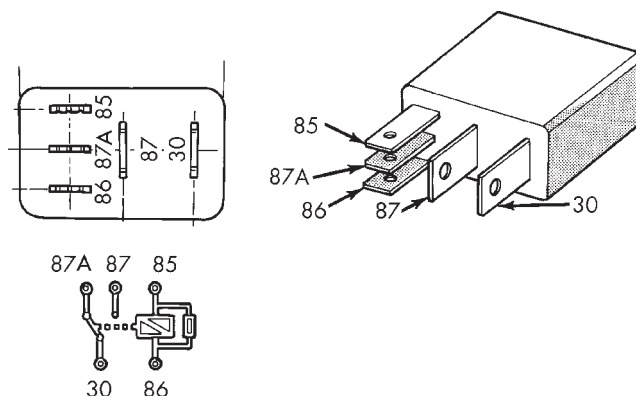


Fig. 13 Relay Terminals

NUMBER	IDENTIFICATION
30	COMMON FEED
85	COIL GROUND
86	COIL BATTERY
87	NORMALLY OPEN
87A	NORMALLY CLOSED

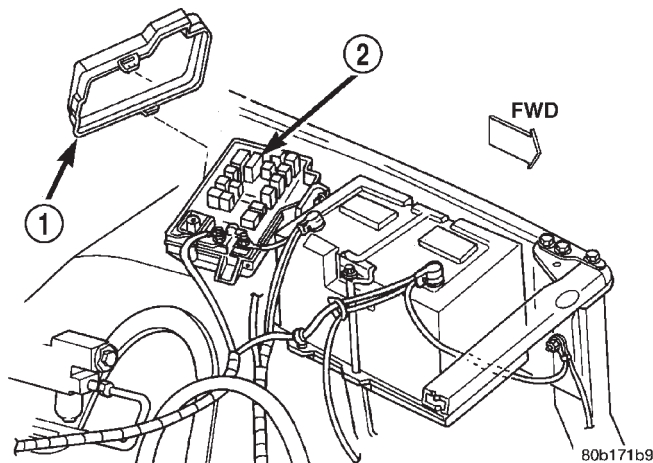
REMOVAL

- (1) Disconnect and isolate the battery negative cable.
- (2) Remove the cover from the Power Distribution Center (PDC) (Fig. 14).
- (3) Refer to the label on the PDC for horn relay identification and location.
- (4) Unplug the horn relay from the PDC.

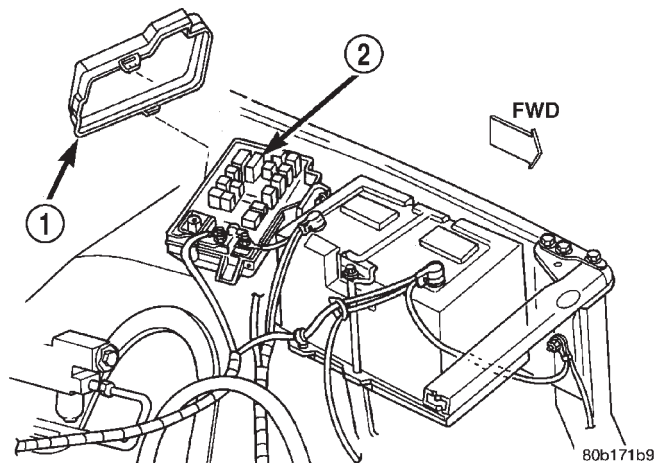
INSTALLATION

- (1) Install the horn relay by aligning the relay terminals with the cavities in the PDC and pushing the relay firmly into place.
- (2) Install the PDC cover.
- (3) Connect the battery negative cable.
- (4) Test the relay operation.

HORN RELAY (Continued)

**Fig. 14 Power Distribution Center**

- 1 - COVER
2 - POWER DISTRIBUTION CENTER

**Fig. 15 Power Distribution Center**

- 1 - COVER
2 - POWER DISTRIBUTION CENTER

HEADLAMP RELAY

DESCRIPTION

The headlamp (or security) relay is a International Standards Organization (ISO) micro-relay. The terminal designations and functions are the same as a conventional ISO relay. However, the micro-relay terminal orientation (or footprint) is different, current capacity is lower, and the relay case dimensions are smaller than those of the conventional ISO relay.

The headlamp relay is an electromechanical device that switches battery current to the headlamps when the high-line or premium Central Timer Module (CTM) grounds the relay coil. See Headlamp Relay in the Diagnosis and Testing section of this group for more information.

The headlamp (or security) relay is located in the Power Distribution Center (PDC), in the engine compartment. Refer to the PDC label for relay identification and location.

The headlamp relay cannot be repaired and, if faulty or damaged, it must be replaced.

REMOVAL

- (1) Disconnect and isolate the battery negative cable.
- (2) Remove the cover from the Power Distribution Center (PDC) (Fig. 15).
- (3) Refer to the label on the PDC for headlamp (or security) relay identification and location.
- (4) Unplug the headlamp relay from the PDC.

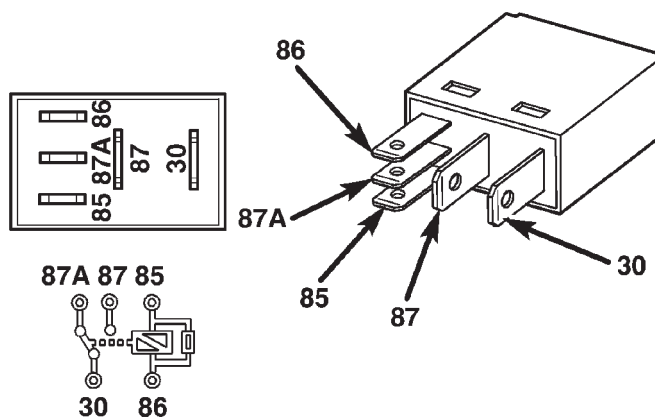
INSTALLATION

- (1) Install the headlamp relay by aligning the relay terminals with the cavities in the PDC and pushing the relay firmly into place.

- (2) Install the PDC cover.
- (3) Connect the battery negative cable.
- (4) Test the relay operation.

MICRO-RELAY

DESCRIPTION



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Fig. 16 ISO MICRO RELAY

- 30 - COMMON FEED
85 - COIL GROUND
86 - COIL BATTERY
87 - NORMALLY OPEN
87A - NORMALLY CLOSED

A micro-relay is a conventional International Standards Organization (ISO) micro relay (Fig. 16). Relays conforming to the ISO specifications have common physical dimensions, current capacities, terminal patterns, and terminal functions. The relay is

MICRO-RELAY (Continued)

contained within a small, rectangular, molded plastic housing and is connected to all of the required inputs and outputs by five integral male spade-type terminals that extend from the bottom of the relay base.

Relays cannot be adjusted or repaired and, if faulty or damaged, the unit must be replaced.

OPERATION

A micro-relay is an electromechanical switch that uses a low current input from one source to control a high current output to another device. The movable common feed contact point is held against the fixed normally closed contact point by spring pressure. When the relay coil is energized, an electromagnetic field is produced by the coil windings. This electromagnetic field draws the movable relay contact point away from the fixed normally closed contact point, and holds it against the fixed normally open contact point. When the relay coil is de-energized, spring pressure returns the movable contact point back against the fixed normally closed contact point. A resistor is connected in parallel with the relay coil in the relay, and helps to dissipate voltage spikes and electromagnetic interference that can be generated as the electromagnetic field of the relay coil collapses.

DIAGNOSIS AND TESTING - MICRO-RELAY

- (1) Remove the relay from its mounting location.
- (2) A relay in the de-energized position should have continuity between terminals 87A and 30, and no continuity between terminals 87 and 30. If OK, go to Step 3. If not OK, replace the faulty relay.
- (3) Resistance between terminals 85 and 86 (electromagnet) should be 67.5 - 82.5 ohms. If OK, go to Step 4. If not OK, replace the faulty relay.
- (4) Connect a battery to terminals 85 and 86. There should now be continuity between terminals 30 and 87, and no continuity between terminals 87A and 30. If OK, reinstall the relay and use a DRBIII® scan tool to perform further testing. Refer to the appropriate diagnostic information.

Refer to the appropriate wiring information. The wiring information includes wiring diagrams, proper wire and connector repair procedures, details of wire harness routing and retention, connector pin-out information and location views for the various wire harness connectors, splices and grounds.

REMOVAL

- (1) Remove the relay by grasping it firmly and pulling it straight out from its receptacle.

INSTALLATION

- (1) Align the micro-relay terminals with the terminal cavities in the receptacle.

- (2) Push firmly and evenly on the top of the relay until the terminals are fully seated in the terminal cavities in the receptacle.

RELAY

DESCRIPTION

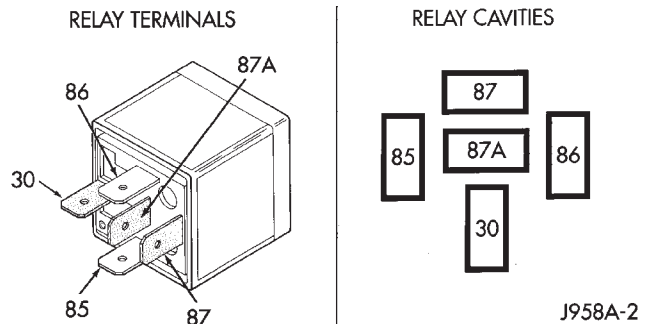


Fig. 17 TYPE 1 RELAY

A relay is an electromechanical device that switches fused battery current to a electrical component when the ignition switch is turned to the Accessory or Run positions, or when controlled by a electronic module. The relays are located in the junction block or power distribution center (Fig. 17).

The relay is a International Standards Organization (ISO) relay. Relays conforming to the ISO specifications have common physical dimensions, current capacities, terminal patterns, and terminal functions.

A relay cannot be repaired or adjusted and, if faulty or damaged, it must be replaced.

OPERATION

The ISO relay consists of an electromagnetic coil, a resistor and three (two fixed and one movable) electrical contacts. The movable (common feed) relay contact is held against one of the fixed contacts (normally closed) by spring pressure. When the electromagnetic coil is energized, it draws the movable contact away from the normally closed fixed contact, and holds it against the other (normally open) fixed contact.

When the electromagnetic coil is de-energized, spring pressure returns the movable contact to the normally closed position. The resistor is connected in parallel with the electromagnetic coil in the relay, and helps to dissipate voltage spikes that are produced when the coil is de-energized.

RELAY (Continued)

DIAGNOSIS AND TESTING - RELAY

The relays are located in the junction block or power distribution center. For complete circuit diagrams, refer to **Wiring Diagrams**.

- (1) Remove the relay from its mounting location.
- (2) A relay in the de-energized position should have continuity between terminals 87A and 30, and no continuity between terminals 87 and 30. If OK, go to Step 3. If not OK, replace the faulty relay.
- (3) Resistance between terminals 85 and 86 (electromagnet) should be 60.7 - 80.3 ohms. If OK, go to Step 4. If not OK, replace the faulty relay.
- (4) Connect a battery to terminals 85 and 86. There should now be continuity between terminals 30 and 87, and no continuity between terminals 87A and 30. If OK, perform the Relay Circuit Test that follows. If not OK, replace the faulty relay.

DIAGNOSIS AND TESTING - RELAY CIRCUIT TEST

- (1) The relay common feed terminal cavity (30) of the junction block or power distribution center is connected to battery voltage and should be hot at all times. Check for battery voltage at the fused B(+) circuit cavity in the junction block receptacle for the relay. If OK, go to Step 2. If not OK, repair the fused B(+) circuit to the Power Distribution Center (PDC) fuse as required.
- (2) The relay normally closed terminal (87A) is connected to terminal 30 in the de-energized position, but is not used for this application. Go to Step 3.
- (3) The relay normally open terminal (87) is connected to the common feed terminal (30) in the energized position. This terminal supplies battery voltage to the fused B(+) fuse in the junction block that feeds

the accessory when the relay is energized by the ignition switch. There should be continuity between the junction block cavity for relay terminal 87 and the fused B(+) fuse in the junction block at all times. If OK, go to Step 4. If not OK, repair the open fused B(+) circuit to the junction block fuse as required.

- (4) The coil ground terminal (85) is connected to the electromagnet in the relay. It receives battery feed to energize the relay when the ignition switch is in the Accessory or Run positions. Turn the ignition switch to the On position. Check for battery voltage at the fused ignition switch output (acc/run) circuit cavity for relay terminal 85 in the junction block receptacle for the relay. If OK, go to Step 5. If not OK, repair the open fused ignition switch output (acc/run) circuit to the ignition switch as required.

- (5) The coil battery terminal (86) is connected to the electromagnet in the relay. The junction block cavity for this terminal should have continuity to ground at all times. If not OK, repair the open ground circuit to ground as required.

REMOVAL

- (1) Remove the relay by grasping it firmly and pulling it straight out from its receptacle.

INSTALLATION

- (1) Position the relay to the proper receptacle.
- (2) Align the relay terminals with the terminal cavities in the receptacle.
- (3) Push firmly and evenly on the top of the relay until the terminals are fully seated in the terminal cavities in the receptacle.

