

WIRING

TABLE OF CONTENTS

	page		page
WIRING DIAGRAM INFORMATION	8W-01-1	AIR CONDITIONING-HEATER	8W-42-1
COMPONENT INDEX	8W-02-1	AIRBAG SYSTEM	8W-43-1
POWER DISTRIBUTION	8W-10-1	INTERIOR LIGHTING	8W-44-1
FUSE BLOCK	8W-11-1	AUDIO SYSTEM	8W-47-1
GROUND DISTRIBUTION	8W-15-1	REAR WINDOW DEFOGGER	8W-48-1
BUS COMMUNICATIONS	8W-18-1	FRONT LIGHTING	8W-50-1
CHARGING SYSTEM	8W-20-1	REAR LIGHTING	8W-51-1
STARTING SYSTEM	8W-21-1	TURN SIGNALS	8W-52-1
FUEL/IGNITION SYSTEM	8W-30-1	WIPERS	8W-53-1
TRANSMISSION CONTROL SYSTEM	8W-31-1	SPLICE INFORMATION	8W-70-1
VEHICLE SPEED CONTROL	8W-33-1	CONNECTOR PIN-OUTS	8W-80-1
ANTILOCK BRAKES	8W-35-1	CONNECTOR/GROUND/SPLICE	
VEHICLE THEFT SECURITY SYSTEM	8W-39-1	LOCATION	8W-91-1
INSTRUMENT CLUSTER	8W-40-1	POWER DISTRIBUTION	8W-97-1
HORN/CIGAR LIGHTER/POWER OUTLET ..	8W-41-1		

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	10
DESCRIPTION - CIRCUIT INFORMATION	5	STANDARD PROCEDURE - TESTING FOR A VOLTAGE DROP	10
DESCRIPTION - CIRCUIT FUNCTIONS	6	SPECIAL TOOLS	
DESCRIPTION - SECTION IDENTIFICATION AND INFORMATION	6	WIRING/TERMINAL	10
DESCRIPTION - CONNECTOR, GROUND AND SPLICE INFORMATION	7	CONNECTOR	
WARNING		REMOVAL	11
WARNINGS - GENERAL	7	INSTALLATION	11
DIAGNOSIS AND TESTING - WIRING HARNESS	7	DIODE	
STANDARD PROCEDURE		REMOVAL	14
STANDARD PROCEDURE - ELECTROSTATIC DISCHARGE (ESD) SENSITIVE DEVICES	8	INSTALLATION	14
STANDARD PROCEDURE - TESTING OF VOLTAGE POTENTIAL	9	TERMINAL	
STANDARD PROCEDURE - TESTING FOR CONTINUITY	9	REMOVAL	14
		INSTALLATION	14
		WIRE	
		STANDARD PROCEDURE - WIRE SPLICING	15

WIRING DIAGRAM INFORMATION

DESCRIPTION

DESCRIPTION - HOW TO USE WIRING DIAGRAMS

DaimlerChrysler Corporation wiring diagrams are designed to provide information regarding the vehicles 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.

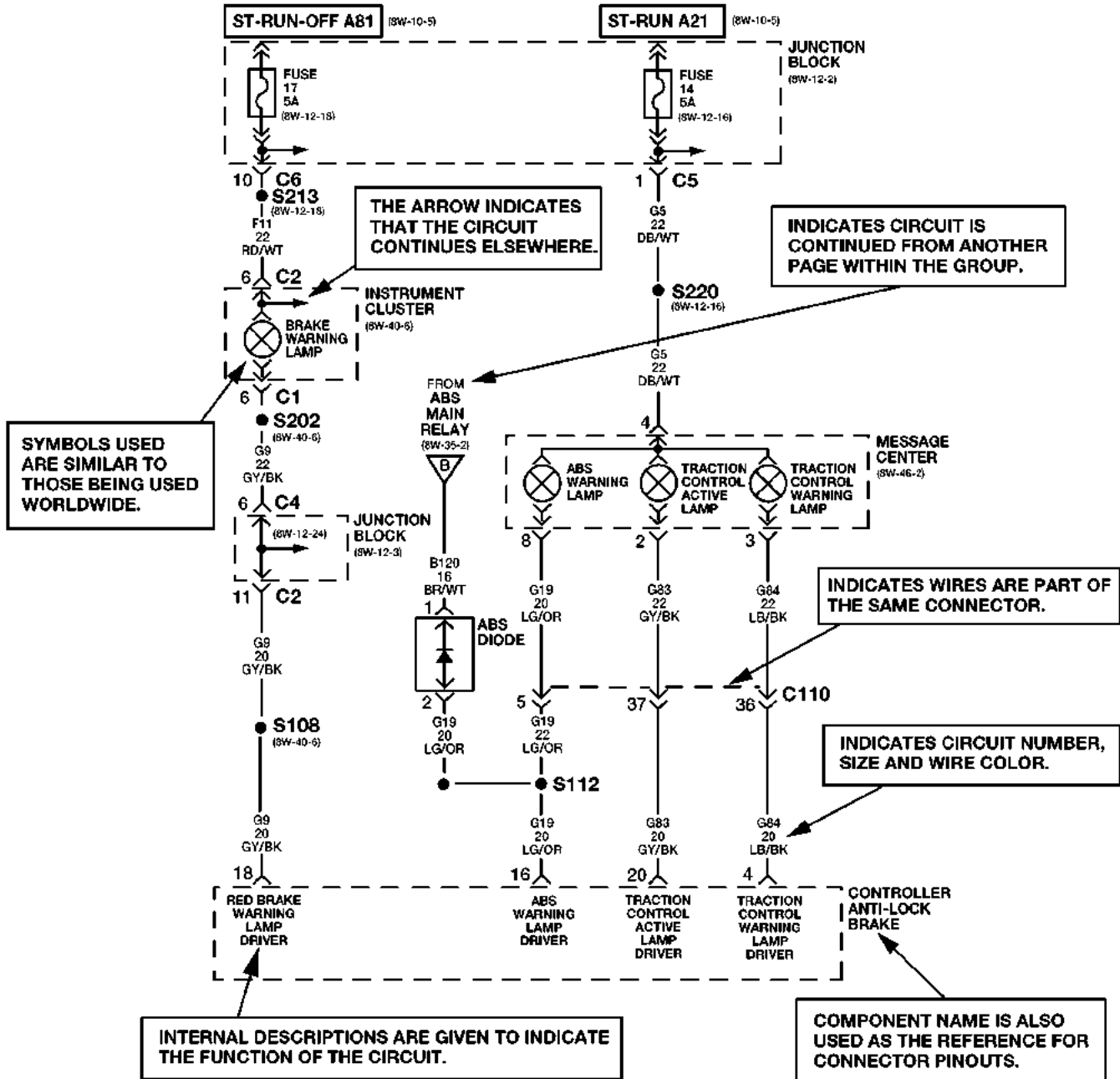
It is important to realize that no attempt is made on the diagrams to represent components and wiring as they appear on the vehicle. For example, a short piece of wire is treated the same as a long one. In addition, switches and other components are shown as simply as possible, with regard to function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

SYMBOLS

International symbols are used throughout the wiring diagrams. These symbols are consistent with those being used around the world (Fig. 3).

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.

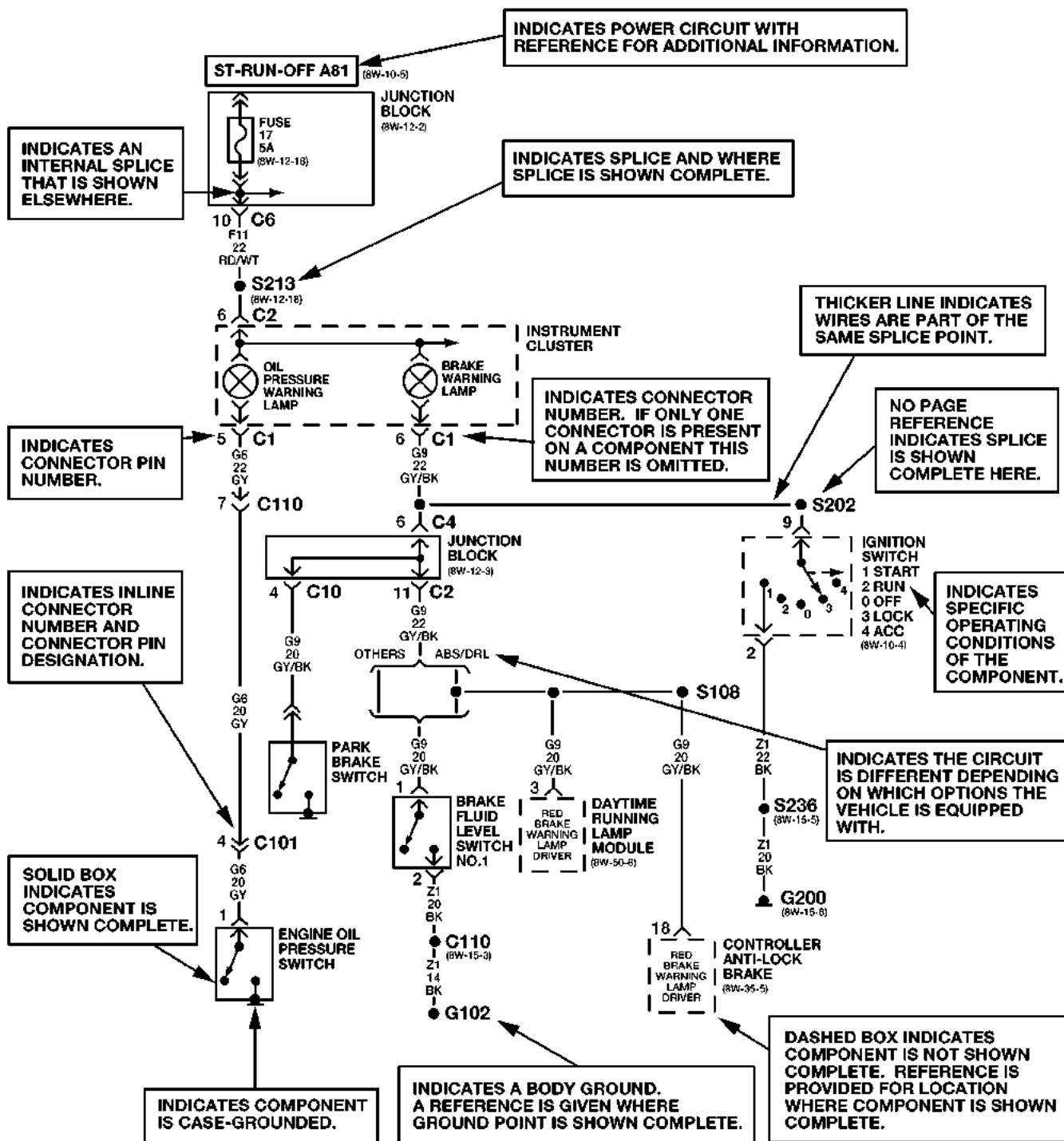


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The System shown here is an **EXAMPLE ONLY**. It does not represent the actual circuit shown in the **WIRING DIAGRAM SECTION**.

Fig. 1 WIRING DIAGRAM EXAMPLE 1

WIRING DIAGRAM INFORMATION (Continued)

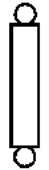



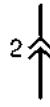



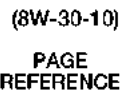
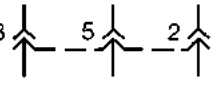



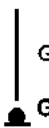




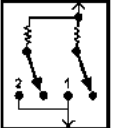


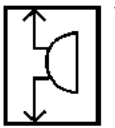
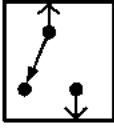
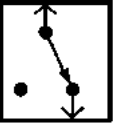




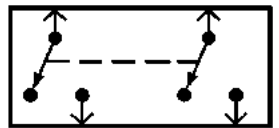
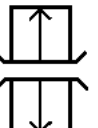
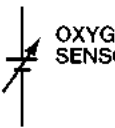
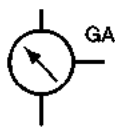
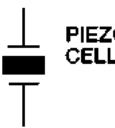
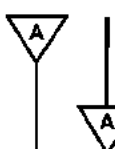


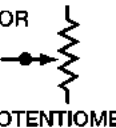


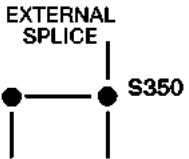
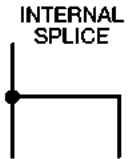


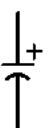


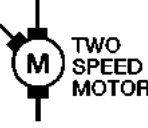


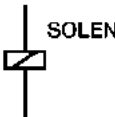
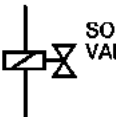


The System shown here is an EXAMPLE ONLY. It does not represent the actual circuit shown in the WIRING DIAGRAM SECTION.

Fig. 2 WIRING DIAGRAM EXAMPLE 2

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WIRING DIAGRAM INFORMATION (Continued)

 FUSIBLE LINK  FUSE  CIRCUIT BREAKER OR PTC PROTECTION DEVICE	 BATTERY  2 C123  2 C123
 BATT A0 HOT BAR  CHOICE BRACKET  (8W-30-10) PAGE REFERENCE	 8 C123  4 C1  6 C3
 CLOCKSPRING  GROUND G101  SCREW TERMINAL	 SINGLE FILAMENT LAMP  DUAL FILAMENT LAMP  ANTENNA
 RESISTIVE MULTIPLEX SWITCH	 NPN TRANSISTOR  PNP TRANSISTOR  TONE GENERATOR
 OPEN SWITCH  CLOSED SWITCH	 LED  PHOTODIODE  DIODE  ZENER DIODE
 GANGED SWITCH  SLIDING DOOR CONTACT	 OXYGEN SENSOR  GAUGE  PIEZOELECTRIC CELL
 WIRE ORIGIN & DESTINATION SHOWN WITHIN CELL  WIRE DESTINATION SHOWN IN ANOTHER CELL	 RESISTOR  POTENTIOMETER  VARIABLE RESISTOR OR THERMISTOR  HEATER ELEMENT
 EXTERNAL SPLICE S350  INTERNAL SPLICE  INCOMPLETE SPLICE (INTERNAL)	 NON-POLARIZED CAPACITOR  POLARIZED CAPACITOR  VARIABLE CAPACITOR
 ONE SPEED MOTOR  TWO SPEED MOTOR  REVERSIBLE MOTOR	 COIL  SOLENOID  SOLENOID VALVE

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Fig. 3 WIRING DIAGRAM SYMBOLS

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WIRING DIAGRAM INFORMATION (Continued)

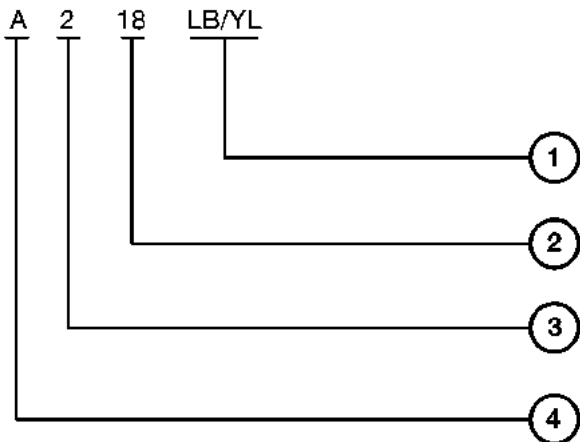
TERMINOLOGY

This is a list of terms and definitions used in the wiring diagrams.

- LHD Left Hand Drive Vehicles
- RHD Right Hand Drive Vehicles
- ATX . . Automatic Transmissions-Front Wheel Drive
- MTX . . . Manual Transmissions-Front Wheel Drive
- AT Automatic Transmissions-Rear Wheel Drive
- MT Manual Transmissions-Rear Wheel Drive
- SOHC Single Over Head Cam Engine
- DOHC Double Over Head Cam Engine
- Built-Up-Export Vehicles Built For Sale In
Markets Other Than North America
- Except Built-Up-Export Vehicles Built
For Sale In North America

DESCRIPTION - CIRCUIT INFORMATION

Each wire shown in the diagrams contains a code which identifies the main circuit, part of the main circuit, gage of wire, and color (Fig. 4).



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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

WIRE COLOR CODE CHART

COLOR CODE	COLOR
BL	BLUE
BK	BLACK
BR	BROWN
DB	DARK BLUE
DG	DARK GREEN
GY	GRAY
LB	LIGHT BLUE
LG	LIGHT GREEN
OR	ORANGE
PK	PINK
RD	RED
TN	TAN
VT	VIOLET
WT	WHITE
YL	YELLOW
*	WITH TRACER

WIRING DIAGRAM INFORMATION (Continued)

DESCRIPTION - CIRCUIT FUNCTIONS

All circuits in the diagrams use an alpha/numeric code to identify the wire and it's function. To identify which circuit code applies to a system, refer to the Circuit Identification Code Chart. This chart shows the main circuits only and does not show the secondary codes that may apply to some models.

CIRCUIT IDENTIFICATION CODE CHART

CIRCUIT	FUNCTION
A	BATTERY FEED
B	BRAKE CONTROLS
C	CLIMATE CONTROLS
D	DIAGNOSTIC CIRCUITS
E	DIMMING ILLUMINATION CIRCUITS
F	FUSED CIRCUITS
G	MONITORING CIRCUITS (GAUGES)
H	OPEN
I	NOT USED
J	OPEN
K	POWERTRAIN CONTROL MODULE
L	EXTERIOR LIGHTING
M	INTERIOR LIGHTING
N	NOT USED
O	NOT USED
P	POWER OPTION (BATTERY FEED)
Q	POWER OPTIONS (IGNITION FEED)
R	PASSIVE RESTRAINT
S	SUSPENSION/STEERING
T	TRANSMISSION/TRANSAXLE/TRANSFER CASE
U	OPEN
V	SPEED CONTROL, WIPER/WASHER
W	OPEN
X	AUDIO SYSTEMS
Y	OPEN
Z	GROUNDS

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
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

WIRING DIAGRAM INFORMATION (Continued)

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

WARNING**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.

WIRING DIAGRAM INFORMATION (Continued)

- 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.

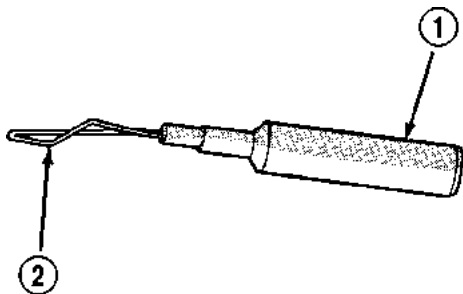


Fig. 5 PROBING TOOL

948W-233

- 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
- 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.

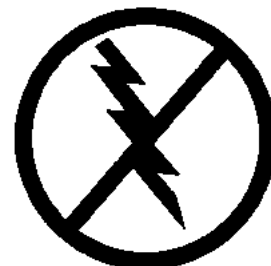
- (1) Verify the problem.
- (2) Verify any related symptoms. Do this by performing operational checks on components that are in the same circuit. Refer to the wiring diagrams.
- (3) Analyze the symptoms. Use the wiring diagrams to determine what the circuit is doing, where the problem most likely is 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.



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Fig. 6 ELECTROSTATIC DISCHARGE SYMBOL

WIRING DIAGRAM INFORMATION (Continued)

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.

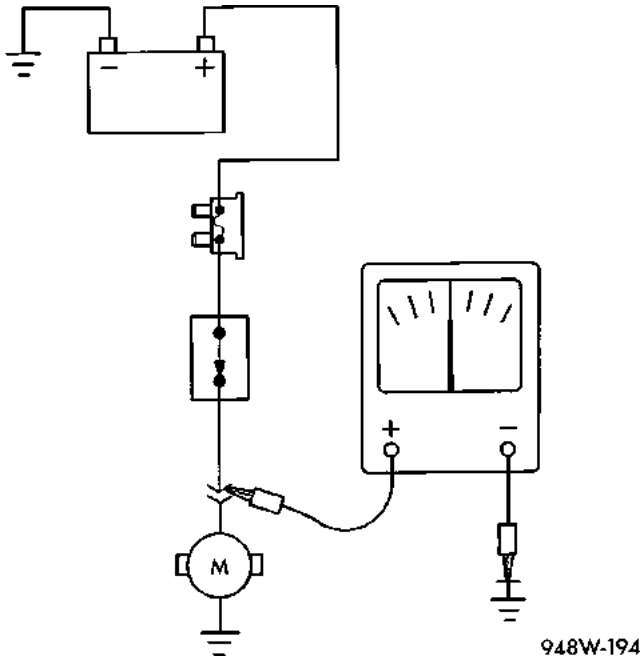


Fig. 7 TESTING FOR VOLTAGE POTENTIAL

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.

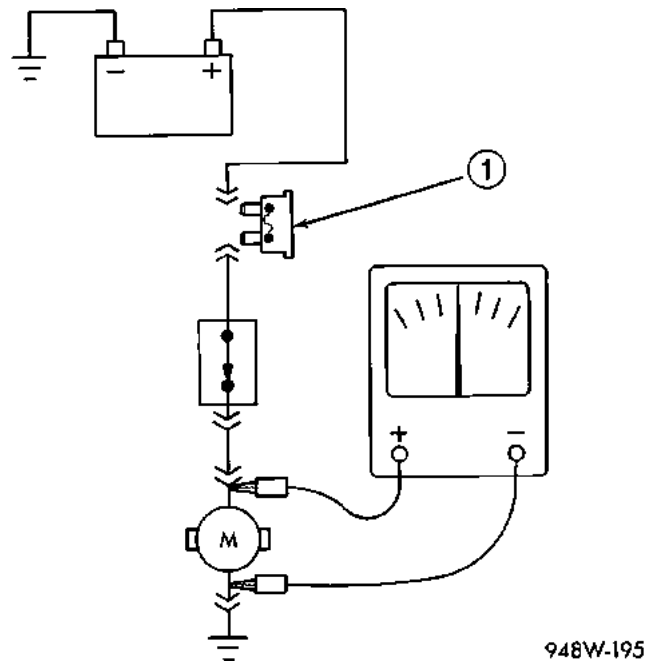


Fig. 8 TESTING FOR CONTINUITY

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.

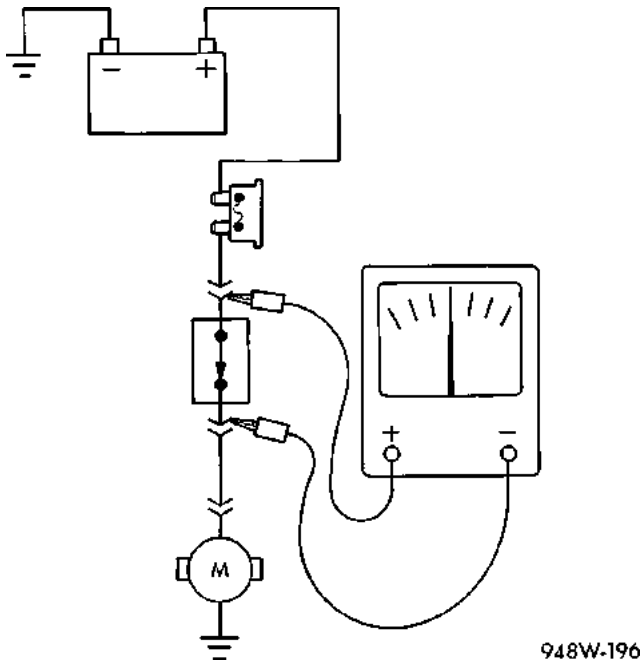
WIRING DIAGRAM INFORMATION (Continued)

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

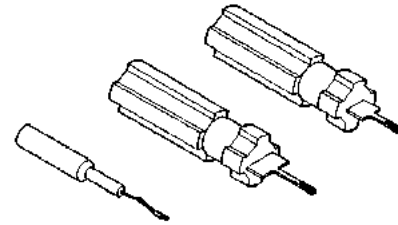
- (1) Connect the positive lead of the voltmeter to the side of the circuit closest to the battery (Fig. 9).
- (2) Connect the other lead of the voltmeter to the other side of the switch, component or circuit.
- (3) Operate the item.
- (4) The voltmeter will show the difference in voltage between the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



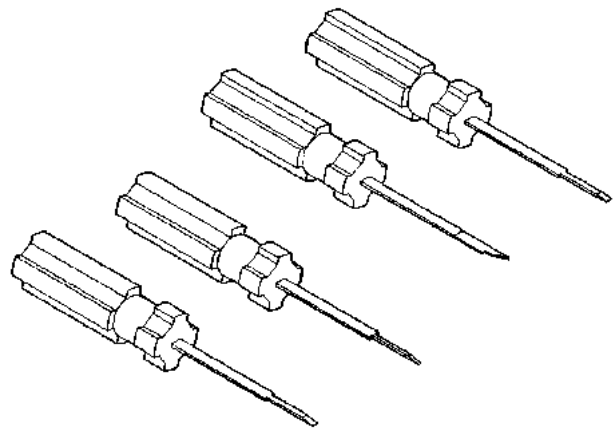
948W-196

Fig. 9 TESTING FOR VOLTAGE DROP

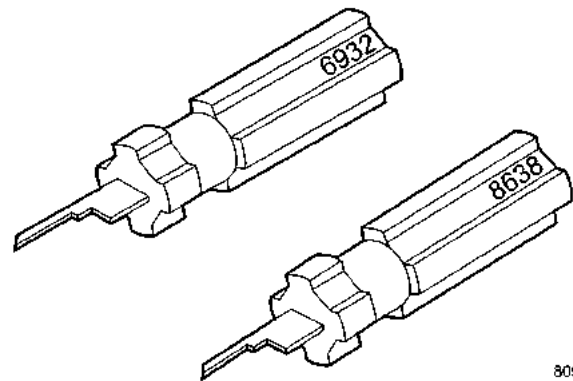
**SPECIAL TOOLS
WIRING/TERMINAL**



PROBING TOOL PACKAGE 6607

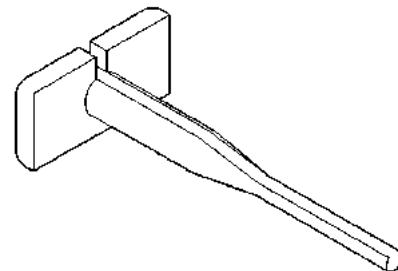


TERMINAL PICK TOOL SET 6680



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).

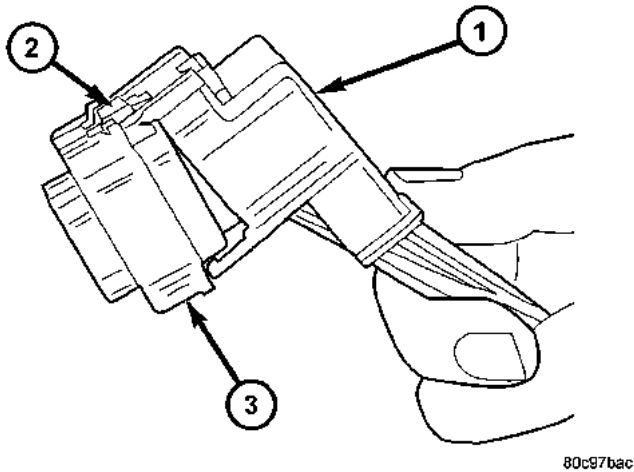


Fig. 10 REMOVAL OF DRESS COVER

- 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.

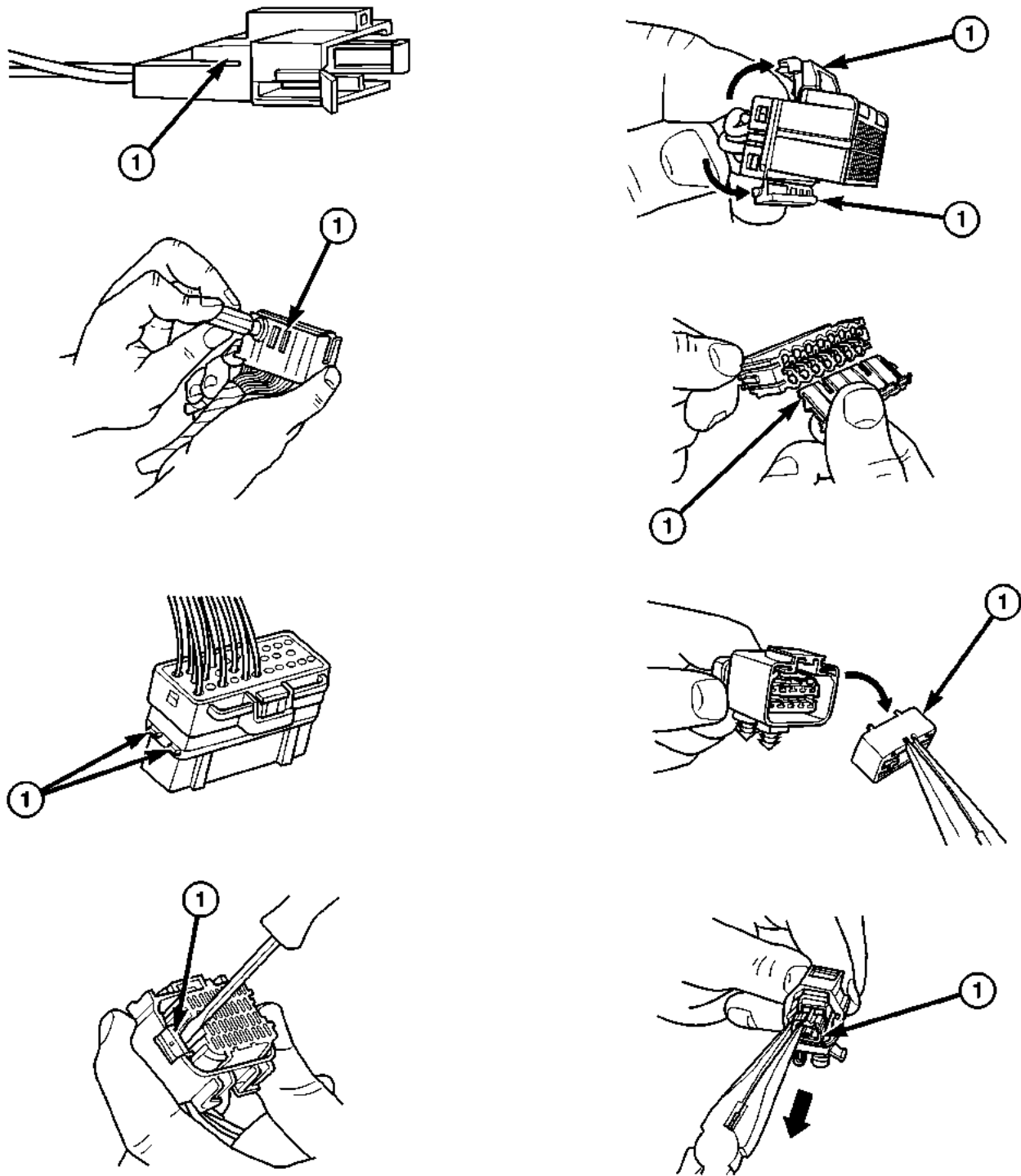
(3) When the connector is re-assembled, the secondary terminal lock must be placed in the locked position to prevent terminal push out.

(4) Replace dress cover (if applicable).

(5) Connect connector to its mating half/component.

(6) Connect battery and test all affected systems.

CONNECTOR (Continued)



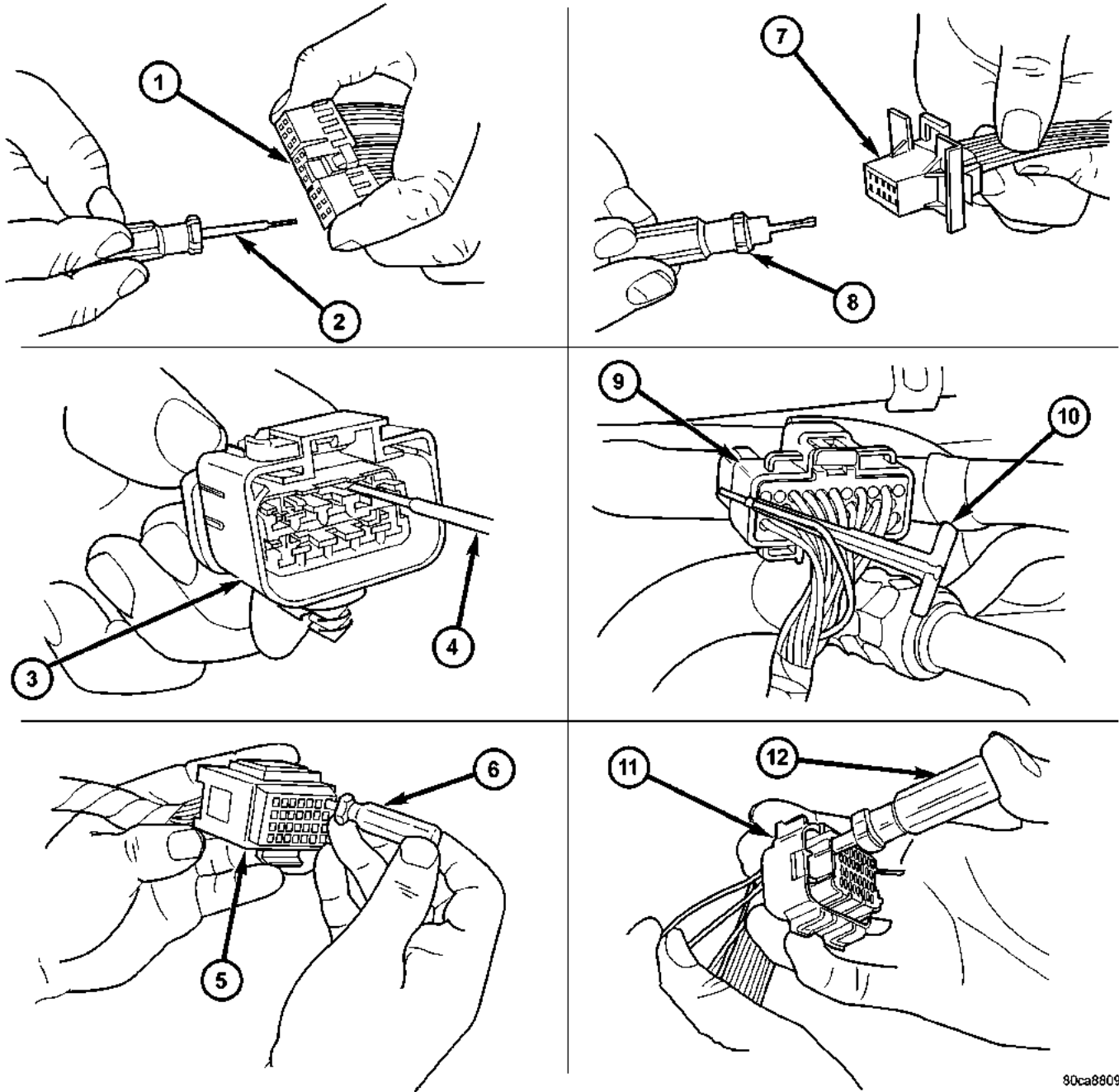
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80cs8802

Fig. 11 EXAMPLES OF CONNECTOR SECONDARY TERMINAL LOCKS

1 - Secondary Terminal Lock

CONNECTOR (Continued)



80ca8809

Fig. 12 TERMINAL REMOVAL

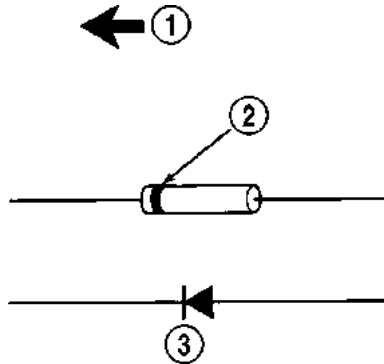
- 1 - TYPICAL CONNECTOR
- 2 - PICK FROM SPECIAL TOOL KIT 6680
- 3 - APEX CONNECTOR
- 4 - PICK FROM SPECIAL TOOL KIT 6680
- 5 - AUGAT CONNECTOR
- 6 - SPECIAL TOOL 6932

- 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. **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).

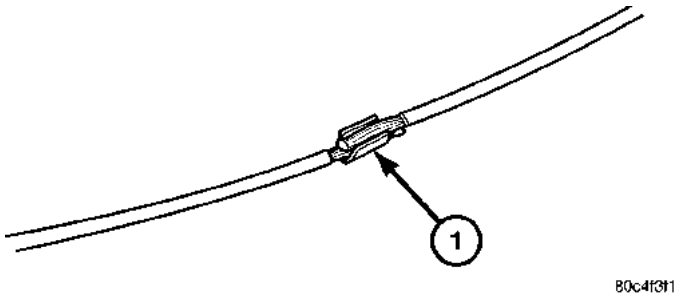


Fig. 14 SPLICE BAND

1 - SPLICE BAND

(4) Using crimping tool, Mopar p/n 05019912AA, crimp the splice clip and wires together (Fig. 15).

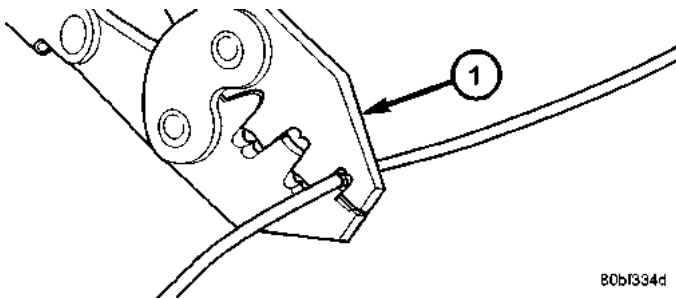


Fig. 15 CRIMPING TOOL

1 - CRIMPING TOOL

(5) Solder the connection together using rosin core type solder only (Fig. 16).

CAUTION: DO NOT USE ACID CORE SOLDER.

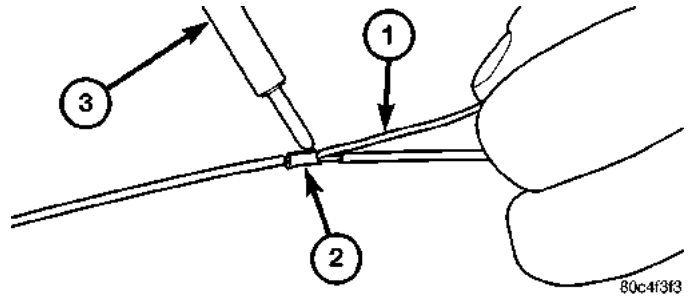


Fig. 16 SOLDER SPLICE

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).

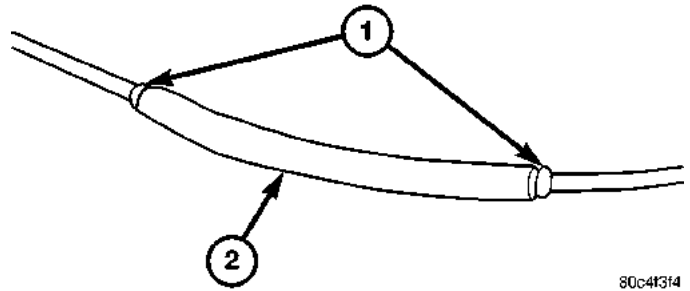


Fig. 17 HEAT SHRINK TUBE

1 - SEALANT
2 - HEAT SHRINK TUBE

8W-02 COMPONENT INDEX

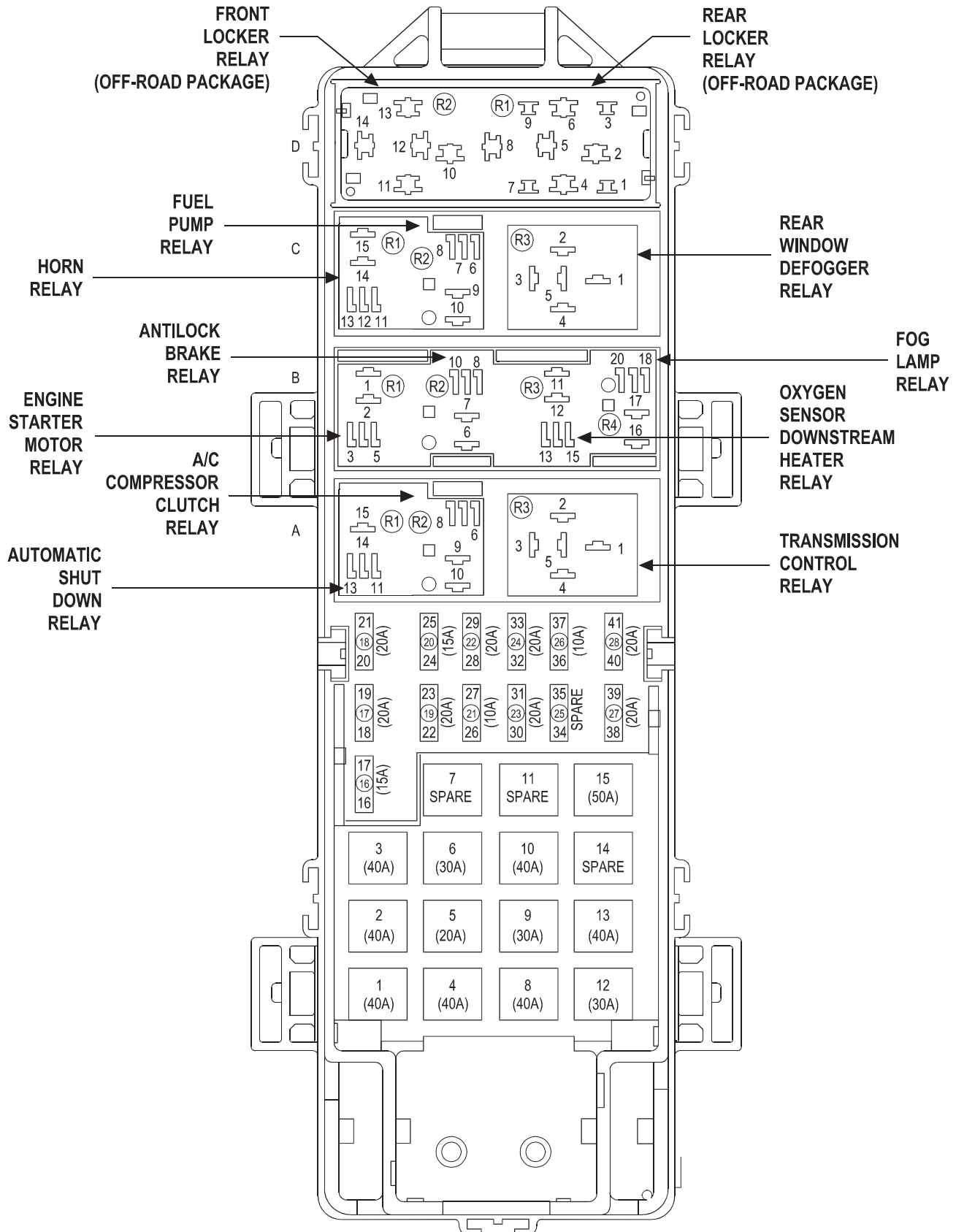
Component	Page	Component	Page
A/C Compressor Clutch Relay	8W-42	Fusible Link	8W-10, 20
A/C Compressor Clutch	8W-42	Generator	8W-20
A/C Pressure Switches	8W-42	Grounds	8W-15
A/C Pressure Transducer	8W-42	G-Switch	8W-35
A/C-Heater Control	8W-42	Headlamp Leveling Motors	8W-50
Airbag Control Module	8W-43	Headlamp Leveling Switch	8W-50
Airbag On-Off Switch	8W-43	Headlamps	8W-50
Airbag Squibs	8W-43	Heater Control	8W-42
Ambient Temperature Sensor	8W-44	Horn Relay	8W-41
Antilock Brake Relay	8W-35	Horn Switch	8W-41
Automatic Shut Down Relay	8W-30	Horn	8W-41
Axle Lock Switch	8W-31	Idle Air Control Motor	8W-30
Back-Up Lamp Switch	8W-51	Ignition Coil Pack	8W-30
Battery Temperature Sensor	8W-30	Ignition Switch	8W-10
Battery	8W-20	Instrument Cluster	8W-40
Blend Door Actuator	8W-42	Intake Air Temperature Sensor	8W-30
Blower Motor Relay	8W-42	Lamp Assemblies	8W-51
Blower Motor Resistor Block	8W-42	Leak Detection Pump	8W-30
Blower Motor	8W-42	License Lamps	8W-51
Brake Lamp Switch	8W-51	Locker Indicator Switches	8W-31
Brake Transmission Shift Interlock Solenoid	8W-31	Locker Pumps	8W-31
Brake Warning Indicator Switch	8W-40	Locker Relays	8W-31
Camshaft Position Sensor	8W-30	Manifold Absolute Pressure Sensor	8W-30
Capacitor	8W-30	Multi-Function Switch	8W-40, 44, 50, 51, 52, 53
Center High Mounted Stop Lamp	8W-51	Overdrive Off Switch	8W-31
Cigar Lighter/Power Outlet	8W-41	Oxygen Sensor Downstream Heater Relay	8W-30
Circuit Breaker	8W-50	Oxygen Sensors	8W-30
Clockspring	8W-33, 41, 43	Park Brake Switch	8W-40
Clutch Pedal Position Switch	8W-21	Park/Turn Signal Lamps	8W-52
Coil Capacitor	8W-30	Position Lamps	8W-50
Compass/Temperature Mirror	8W-44	Power Distribution Center	8W-10
Controller Antilock Brake	8W-35	Power Outlet	8W-41
Courtesy Lamps	8W-44	Power Steering Pressure Switch	8W-30
Crankshaft Position Sensor	8W-30	Powertrain Control Module	8W-30
Data Link Connector	8W-18, 31	Radiator Fan Motor Circuit Breaker	8W-15, 42
Daytime Running Lamp Module	8W-50	Radiator Fan Motor	8W-42
Dome Lamps	8W-44	Radiator Fan Relays	8W-42
Door Ajar Switches	8W-44	Radio	8W-47
Engine Coolant Temperature Sensor	8W-30	Rear Fog Lamp	8W-51
Engine Oil Pressure Sensor	8W-30	Rear Window Defogger Relay	8W-48
Engine Oil Pressure Switch	8W-30	Rear Window Defogger Switch	8W-48
Engine Starter Motor Relay	8W-21	Rear Window Defogger	8W-48
Engine Starter Motor	8W-21	Rear Wiper/Washer Switch	8W-53
EVAP/Purge Solenoid	8W-30	Seat Belt Switch	8W-40
Fog Lamp Relay	8W-50	Sentry Key Immobilizer Module	8W-39
Fog Lamps	8W-50	Side Marker Lamps	8W-50, 52
Fuel Injectors	8W-30	Side Repeater Lamps	8W-52
Fuel Pump Module	8W-30	Speakers	8W-47
Fuel Pump Relay	8W-30	Speed Control Servo	8W-33
Fuse Block	8W-11	Speed Control Switches	8W-33
Fuses	8W-10, 11	Speed Sensors	8W-31
		Splices	8W-70

Component	Page	Component	Page
Subwoofer	8W-47	Turn Signal Lamps	8W-52
Throttle Position Sensor	8W-30	Underhood Lamp	8W-44
Transfer Case Switch	8W-31	Vehicle Speed Sensor	8W-30
Transmission Control Module	8W-31	Washer Pumps	8W-53
Transmission Control Relay	8W-31	Wheel Speed Sensors	8W-35
Transmission Range Indicator Illumination .	8W-44	Wiper Motors	8W-53
Transmission Range Sensor	8W-31, 51		
Transmission Solenoid/Pressure Switch Assembly	8W-31		

8W-10 POWER DISTRIBUTION

Component	Page	Component	Page
A/C Compressor Clutch	8W-10-19	Fuse 20	8W-10-10, 13, 21
A/C Compressor Clutch Relay	8W-10-9, 19	Fuse 21	8W-10-9, 19
Automatic Shut Down Relay	8W-10-8, 9, 15, 16	Fuse 22	8W-10-9, 13, 14
Axle Lock Switch	8W-10-20	Fuse 23	8W-10-9, 10, 19
Battery	8W-10-8	Fuse 24	8W-10-10, 22
Blower Motor Relay	8W-10-8, 11	Fuse 26	8W-10-9, 20
Capacitor	8W-10-17	Fuse 27	8W-10-10, 21
Circuit Breaker	8W-10-8, 12	Fuse 28	8W-10-9, 16
Clutch Pedal Position Switch	8W-10-13	Fuse Block	8W-10-8, 11, 12, 13, 14, 15
Coil Capacitor	8W-10-18	Fusible Link	8W-10-8
Compass/Temperature Mirror	8W-10-20	G300	8W-10-14
Controller Antilock Brake	8W-10-8, 12	Generator	8W-10-8
Data Link Connector	8W-10-20	High Speed Radiator Fan Relay	8W-10-12
Engine Starter Motor	8W-10-8, 13	Horn	8W-10-19
Engine Starter Motor Relay	8W-10-13	Horn Relay	8W-10-9, 19
Fog Lamp Relay	8W-10-19	Ignition Coil Pack	8W-10-17, 18
Front Locker Pump	8W-10-22	Ignition Switch	8W-10-9, 13, 14, 15
Front Locker Relay	8W-10-22	Instrument Cluster	8W-10-14, 20
Fuel Injector No. 1	8W-10-17, 18	Left Courtesy Lamp	8W-10-20
Fuel Injector No. 2	8W-10-17, 18	Left Dome Lamp	8W-10-20
Fuel Injector No. 3	8W-10-17, 18	Left Fog Lamp	8W-10-19
Fuel Injector No. 4	8W-10-17, 18	Low Speed Radiator Fan Relay	8W-10-12
Fuel Injector No. 5	8W-10-17	Multi-Function Switch	8W-10-9, 10, 19, 21
Fuel Injector No. 6	8W-10-17	Oxygen Sensor 1/1 Upstream	8W-10-16
Fuel Pump Module	8W-10-19	Oxygen Sensor 1/2 Downstream	8W-10-15, 16
Fuel Pump Relay	8W-10-9, 19	Oxygen Sensor 2/2 Downstream	8W-10-15
Fuse 1	8W-10-8, 11, 12	Oxygen Sensor Downstream Heater Relay	8W-10-9, 15, 16
Fuse 2	8W-10-8, 11, 12	Power Distribution Center	8W-10-2, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19, 20, 21, 22
Fuse 3	8W-10-8, 12	Power Outlet	8W-10-10, 21
Fuse 4	8W-10-8, 12	Powertrain Control Module	8W-10-8, 16
Fuse 5	8W-10-9, 10, 13, 21	Radio	8W-10-21
Fuse 6	8W-10-8, 13	Rear Locker Pump	8W-10-22
Fuse 7	8W-10-13	Rear Locker Relay	8W-10-10, 22
Fuse 8	8W-10-8, 12, 13	Rear Window Defogger	8W-10-11
Fuse 9	8W-10-8, 14, 16	Rear Window Defogger Relay	8W-10-8, 11
Fuse 10	8W-10-8, 9, 12, 14	Right Courtesy Lamp	8W-10-20
Fuse 11	8W-10-14	Right Dome Lamp	8W-10-20
Fuse 12	8W-10-8, 12, 14	Right Fog Lamp	8W-10-19
Fuse 13	8W-10-8, 9, 14, 15	Transmission Control Module	8W-10-21
Fuse 14	8W-10-14	Transmission Control Relay	8W-10-10, 21
Fuse 15	8W-10-9, 11, 20	Transmission Solenoid/Pressure Switch Assembly	8W-10-21
Fuse 16	8W-10-9, 15, 16	Underhood Lamp	8W-10-20
Fuse 17	8W-10-10, 21		
Fuse 18	8W-10-9, 15, 19		
Fuse 19	8W-10-9, 19		

POWER DISTRIBUTION CENTER



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FUSES

FUSE NO.	AMPS	FUSED CIRCUIT	FUNCTION
1	40A	A111 12RD/LB	FUSED B(+)
2	40A	INTERNAL	FUSED B(+)
3	40A	A6 12RD/BK	FUSED B(+)
4	40A	A16 12GY *	FUSED B(+)
5	20A	INTERNAL	FUSED B(+)
6	30A	A2 14PK/BK	FUSED B(+)
7	-	SPARE	-
8	40A	A10 12RD/DG ◇◇◇	FUSED B(+)
9	30A	A14 14RD/WT	FUSED B(+)
		INTERNAL	FUSED B(+)
10	40A	A3 12RD/WT	FUSED B(+)
11	-	SPARE	-
12	30A	A20 12RD/DB	FUSED B(+)
13	40A	F30 12RD/PK	FUSED B(+)
14	-	SPARE	-
15	50A	M1 16PK/WT	FUSED B(+)
		M1 20PK/WT ◇◇◇	FUSED B(+)
16	15A	A142 14DG/PK	AUTOMATIC SHUT DOWN RELAY OUTPUT
		F142 18OR/DG	AUTOMATIC SHUT DOWN RELAY OUTPUT
17	20A	F70 16PK/BK	FUSED B(+)
18	20A	INTERNAL	FUSED B(+)
		INTERNAL	
19	20A	F39 16PK/LG □□□	FUSED B(+)
20	15A	F60 16RD/WT	FUSED B(+)
21	10A	INTERNAL	FUSED B(+)
22	20A	A1 18RD	FUSED B(+)
23	20A	INTERNAL	FUSED B(+)
24	20A	INTERNAL □	FUSED B(+)
25	-	SPARE	-
26	10A	M1 20PK/WT	FUSED B(+)
27	20A	L9 18BK/WT	FUSED B(+)
28	20A	A142 14DG/PK	AUTOMATIC SHUT DOWN RELAY OUTPUT
		F42 18DG/LG	AUTOMATIC SHUT DOWN RELAY OUTPUT

□□□ FRONT FOG LAMPS

□ OFF-ROAD PACKAGE

◇◇◇ ABS

* 2.4L

**A/C
COMPRESSOR
CLUTCH
RELAY**

CAVITY	CIRCUIT	FUNCTION
A6	F12 20RD/LG	FUSED IGNITION SWITCH OUTPUT (RUN-START)
A7	-	-
A8	C13 18DB/OR	A/C COMPRESSOR CLUTCH RELAY CONTROL
A9	C3 20DB/BK	A/C COMPRESSOR CLUTCH RELAY OUTPUT
A10	A17 20RD/GY	FUSED B(+)

**ANTILOCK
BRAKE
RELAY**

CAVITY	CIRCUIT	FUNCTION
B6	G19 20LG/OR	ABS WARNING INDICATOR DRIVER
B7	-	-
B8	F20 20VT/WT	FUSED IGNITION SWITCH OUTPUT (RUN)
B9	Z1 18BK	GROUND
B10	G83 18GY/BK	ABS SYSTEM RELAY CONTROL

**AUTOMATIC
SHUT DOWN
RELAY**

CAVITY	CIRCUIT	FUNCTION
A11	K51 18DB/YL	AUTOMATIC SHUT DOWN RELAY CONTROL
A12	-	-
A13	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
A14	A142 14DG/PK	AUTOMATIC SHUT DOWN RELAY OUTPUT
A15	A14 14RD/WT	FUSED B(+)

**ENGINE
STARTER
MOTOR
RELAY**

CAVITY	CIRCUIT	FUNCTION
B1	A2 14PK/BK	FUSED B(+)
B2	T40 12BR ◇◇◇	ENGINE STARTER MOTOR RELAY OUTPUT
B2	T40 14BR ◇◇◇◇	ENGINE STARTER MOTOR RELAY OUTPUT
B3	T41 20BR/LB	PARK/NEUTRAL POSITION SWITCH SENSE
B4	-	-
B5	T141 18YL/RD	FUSED IGNITION SWITCH OUTPUT (START)

**FOG
LAMP
RELAY**

CAVITY	CIRCUIT	FUNCTION
B16	F61 16WT/OR	FUSED B(+)
B17	-	-
B18	G34 14RD/GY △	HIGH BEAM INDICATOR
B18	L3 14RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
B19	L39 16LB	FOG LAMP NO. 1 OUTPUT
B20	Z1 18BK	GROUND
B20	Z1 18BK ■ ■	GROUND

**FRONT
LOCKER
RELAY
(OFF-ROAD PACKAGE)**

CAVITY	CIRCUIT	FUNCTION
D10	A88 18RD/DB	FUSED B(+)
D11	G304 20VT/DB	FRONT LOCKER REQUEST
D12	-	-
D13	A88 18RD/DB	FUSED B(+)
D14	A750 18TN/RD	FRONT LOCKER RELAY OUTPUT

- △ DRL
- ◇◇◇ ABS
- ◇◇◇◇ EXCEPT ABS
- ■ A/T

**FUEL
PUMP
RELAY**

CAVITY	CIRCUIT	FUNCTION
C6	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
C7	-	-
C8	K31 18BR	FUEL PUMP RELAY CONTROL
C9	A141 18DG/WT	FUEL PUMP RELAY OUTPUT
C10	A61 18DG/BK	FUSED B(+)

**HORN
RELAY**

CAVITY	CIRCUIT	FUNCTION
C11	F31 18VT	FUSED B(+)
C12	-	-
C13	X3 20RD/YL	HORN RELAY CONTROL
C14	X2 18WT/RD	HORN RELAY OUTPUT
C15	F31 18VT	FUSED B(+)

**OXYGEN
SENSOR
DOWNSTREAM
HEATER
RELAY**

CAVITY	CIRCUIT	FUNCTION
B11	F142 18OR/DG	FUSED ASD RELAY OUTPUT
	F142 18OR/DG	FUSED ASD RELAY OUTPUT
B12	A242 18VT/OR	OXYGEN SENSOR DOWNSTREAM HEATER RELAY OUTPUT
B13	F142 18 OR/DG	FUSED ASD RELAY OUTPUT
	F142 18 OR/DG	FUSED ASD RELAY OUTPUT
B14	-	-
B15	K512 18RD/YL	OXYGEN SENSOR DOWNSTREAM HEATER RELAY OUTPUT

**REAR
LOCKER
RELAY
(OFF-ROAD PACKAGE)**

CAVITY	CIRCUIT	FUNCTION
D2	A88 18RD/DB	FUSED B(+)
D4	A88 18RD/DB	FUSED B(+)
D5	-	-
D6	G305 20VT/LG	REAR LOCKER REQUEST
D8	A850 18RD/WT	REAR LOCKER RELAY OUTPUT

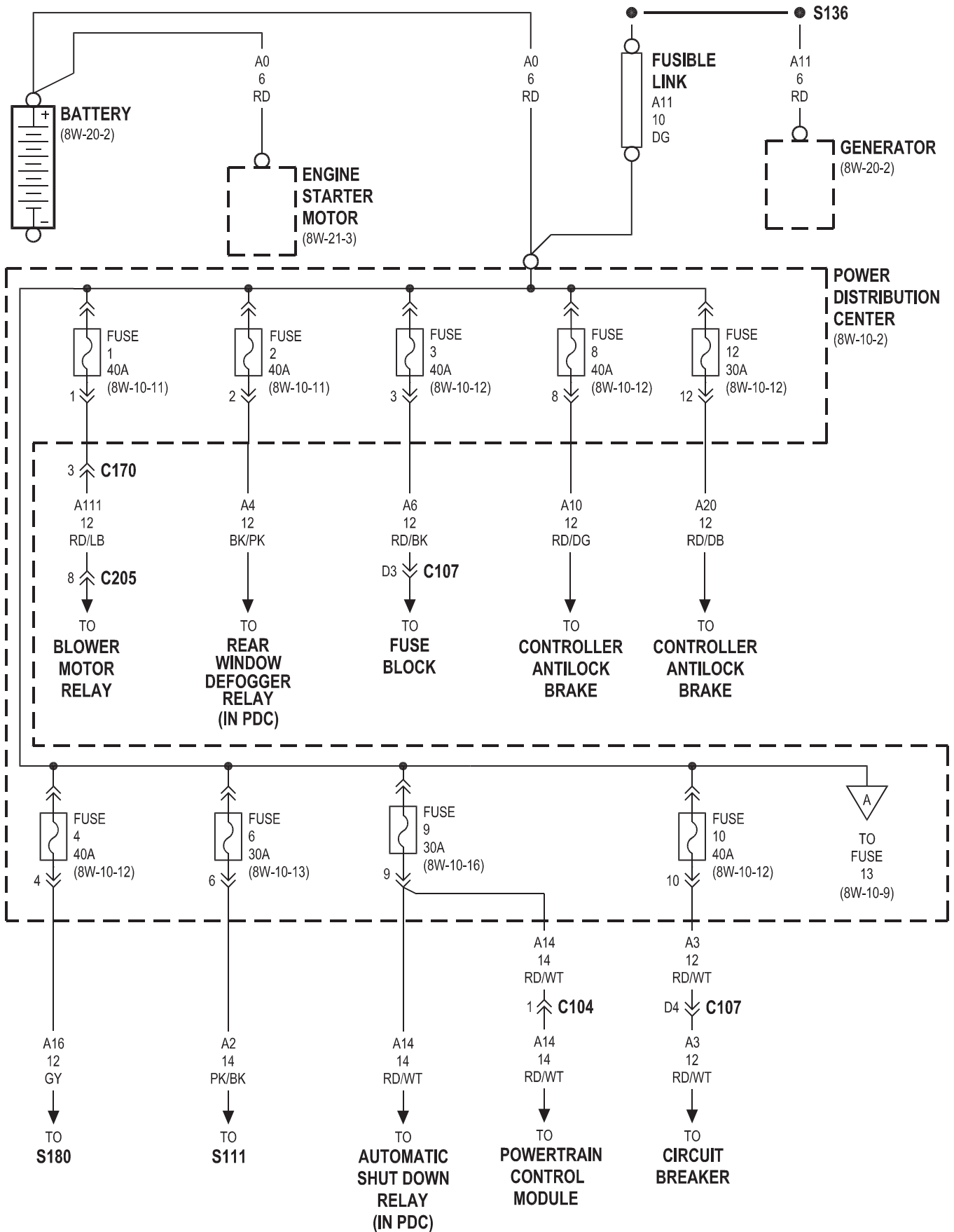
**REAR
WINDOW
DEFOGGER
RELAY**

CAVITY	CIRCUIT	FUNCTION
C1	A4 12BK/PK	FUSED B(+)
C2	C81 20LB/WT	REAR WINDOW DEFOGGER RELAY CONTROL
C3	C15 12BK/WT	REAR WINDOW DEFOGGER RELAY OUTPUT
C4	F20 20VT/WT	FUSED IGNITION SWITCH OUTPUT (RUN)
C5	-	-

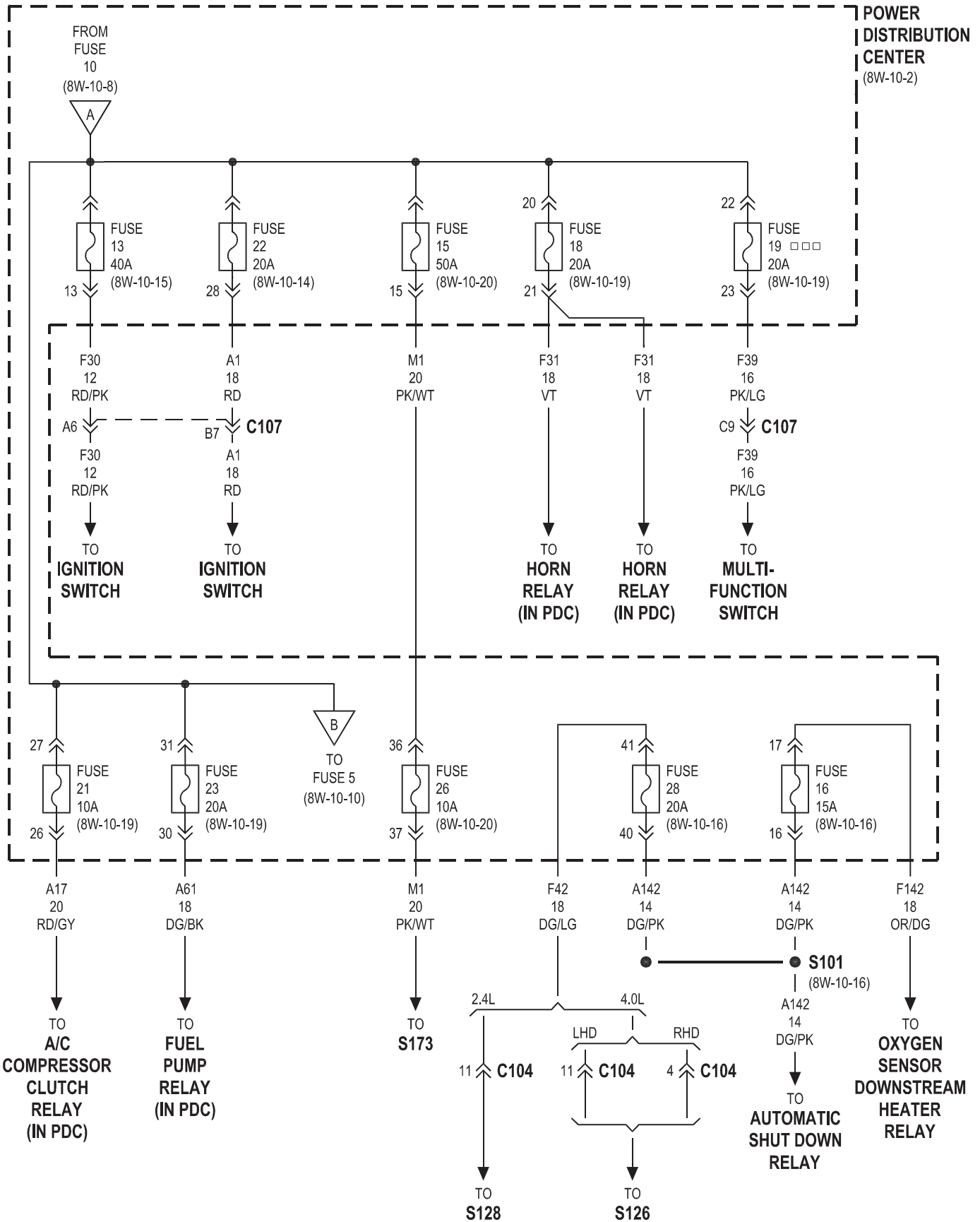
**TRANSMISSION
CONTROL
RELAY**

CAVITY	CIRCUIT	FUNCTION
A1	A30 16RD/WT	FUSED B(+)
	INTERNAL	FUSED B(+)
A2	K30 18PK	FUSED B(+)
A3	T16 16RD	FUSED B(+)
A4	Z1 18BK	FUSED B(+)
A5	-	-

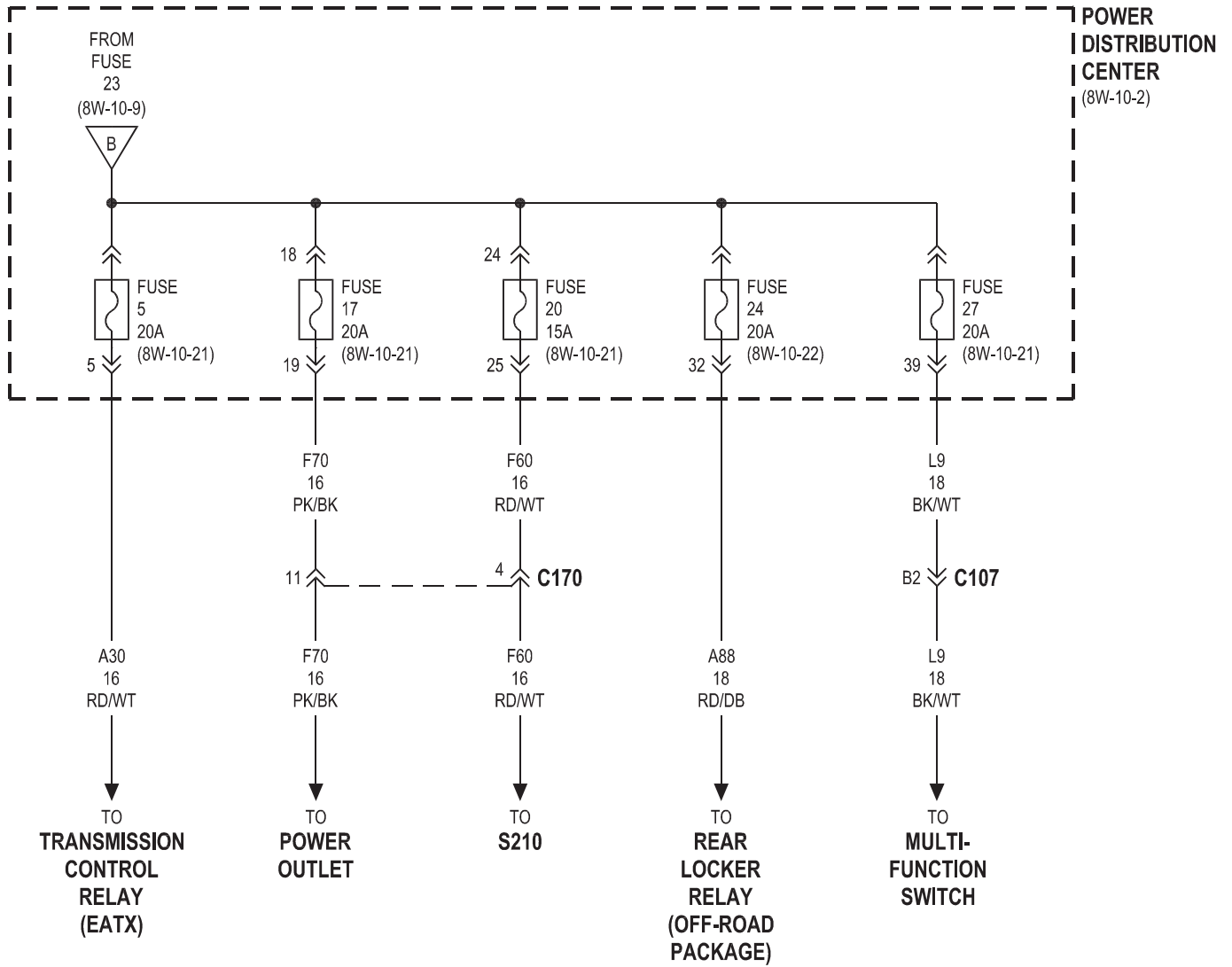
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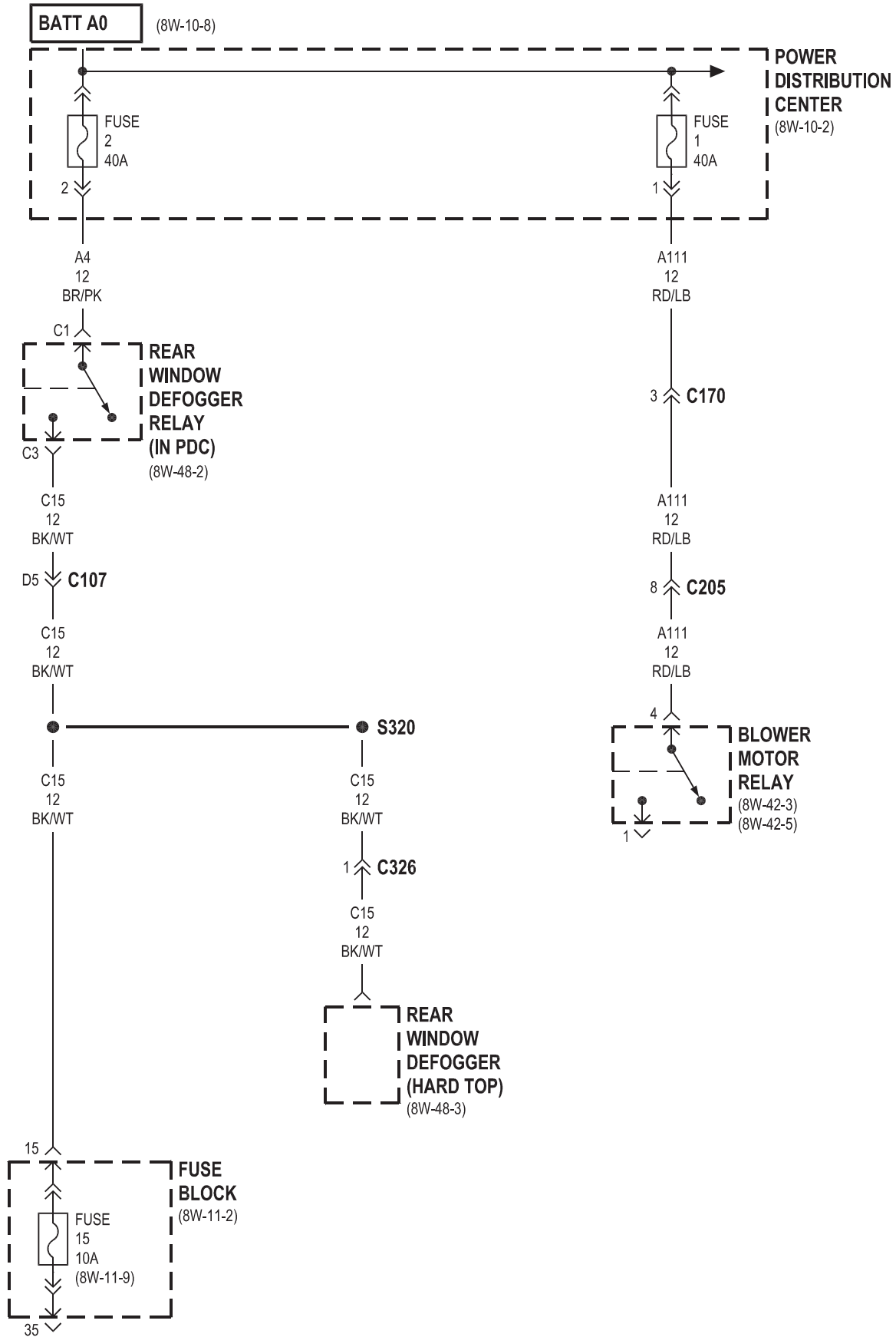
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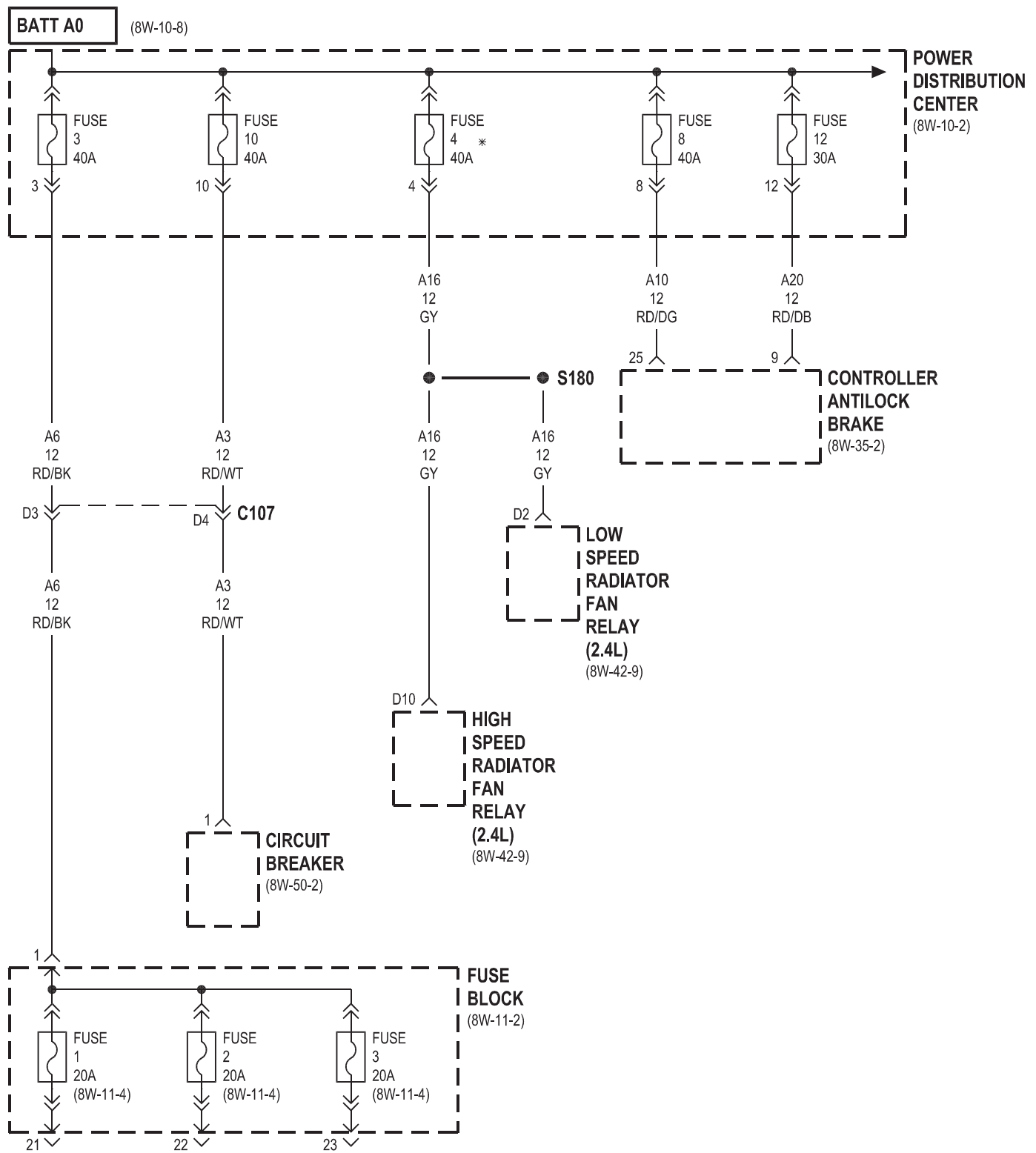
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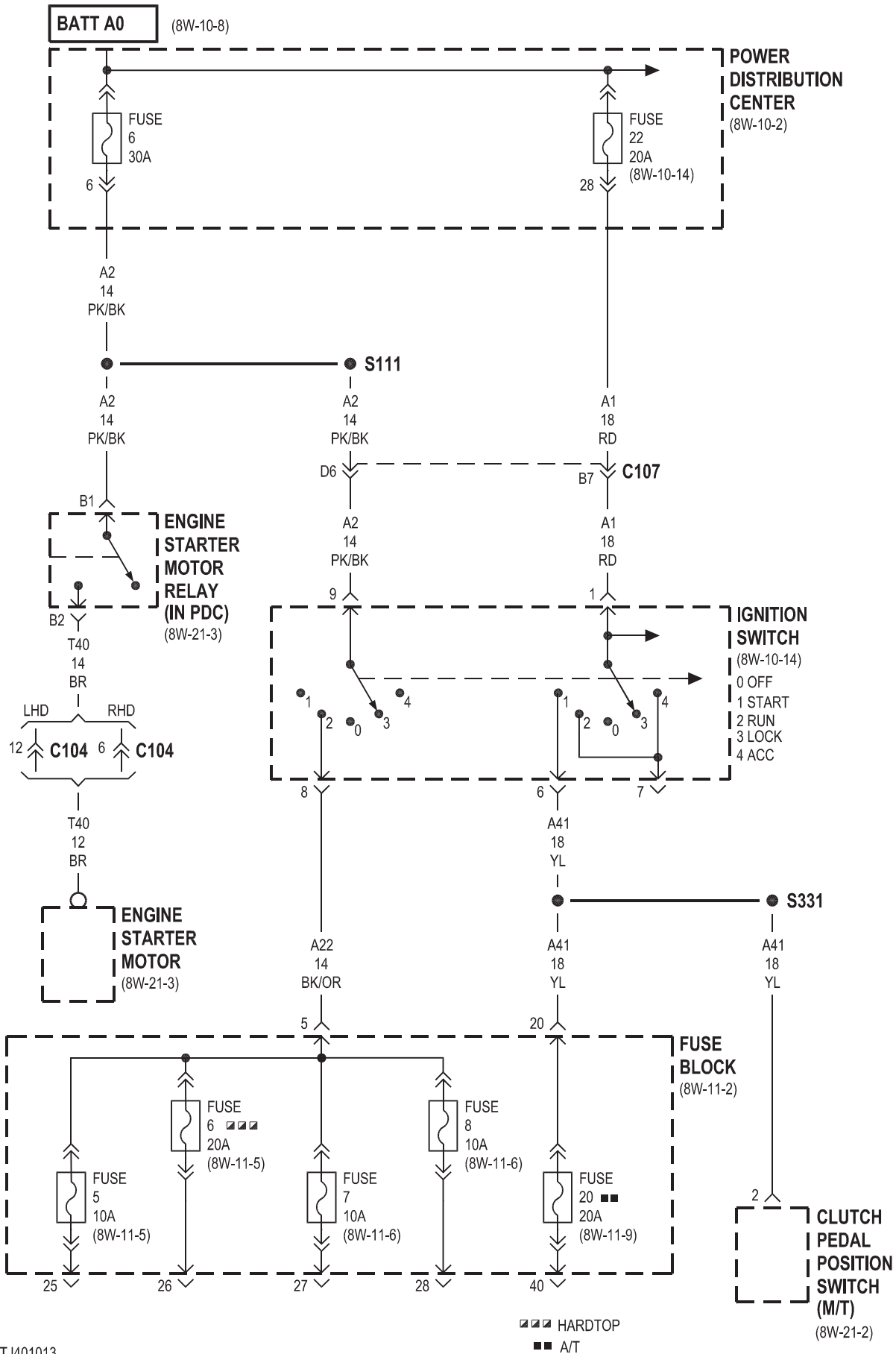
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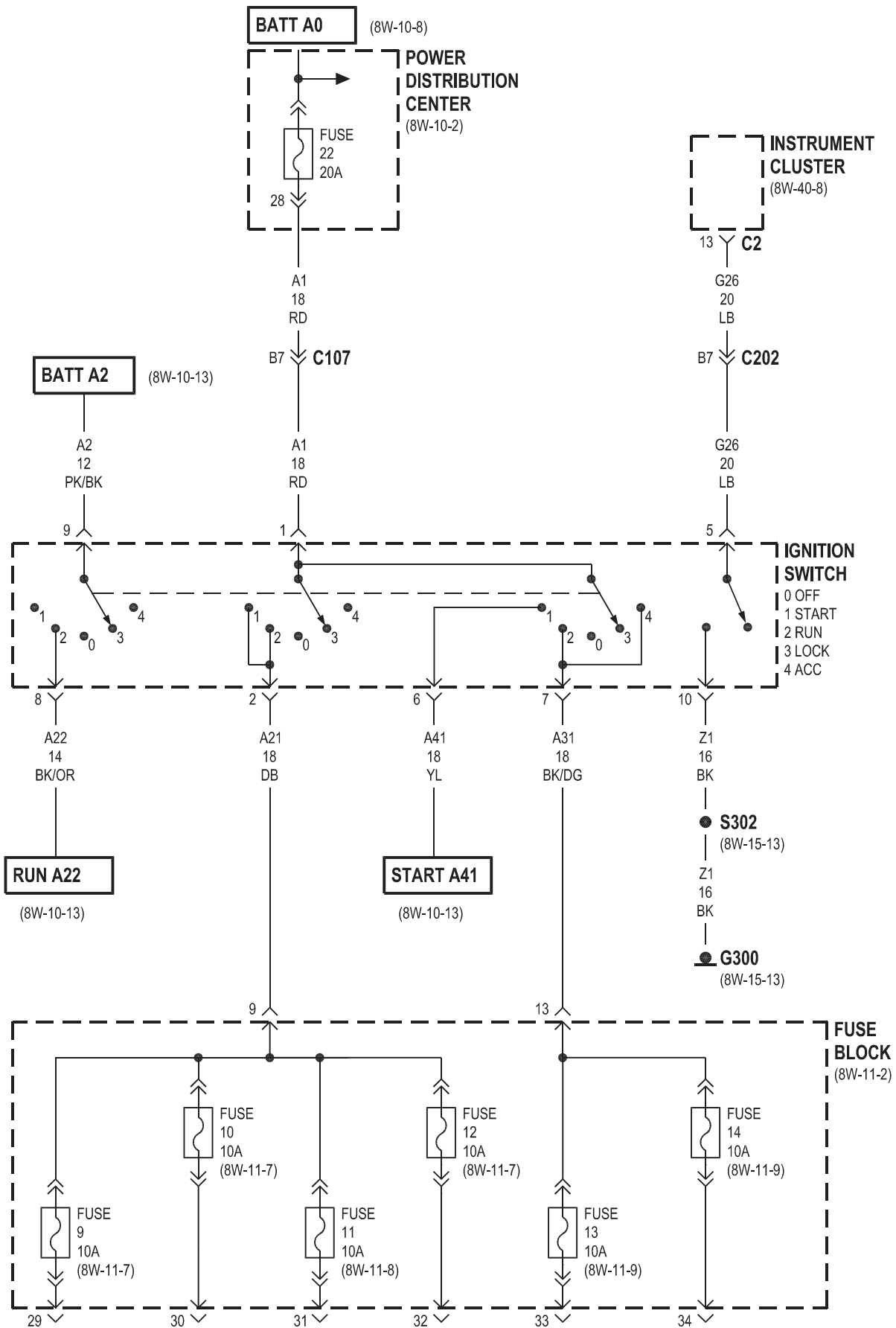
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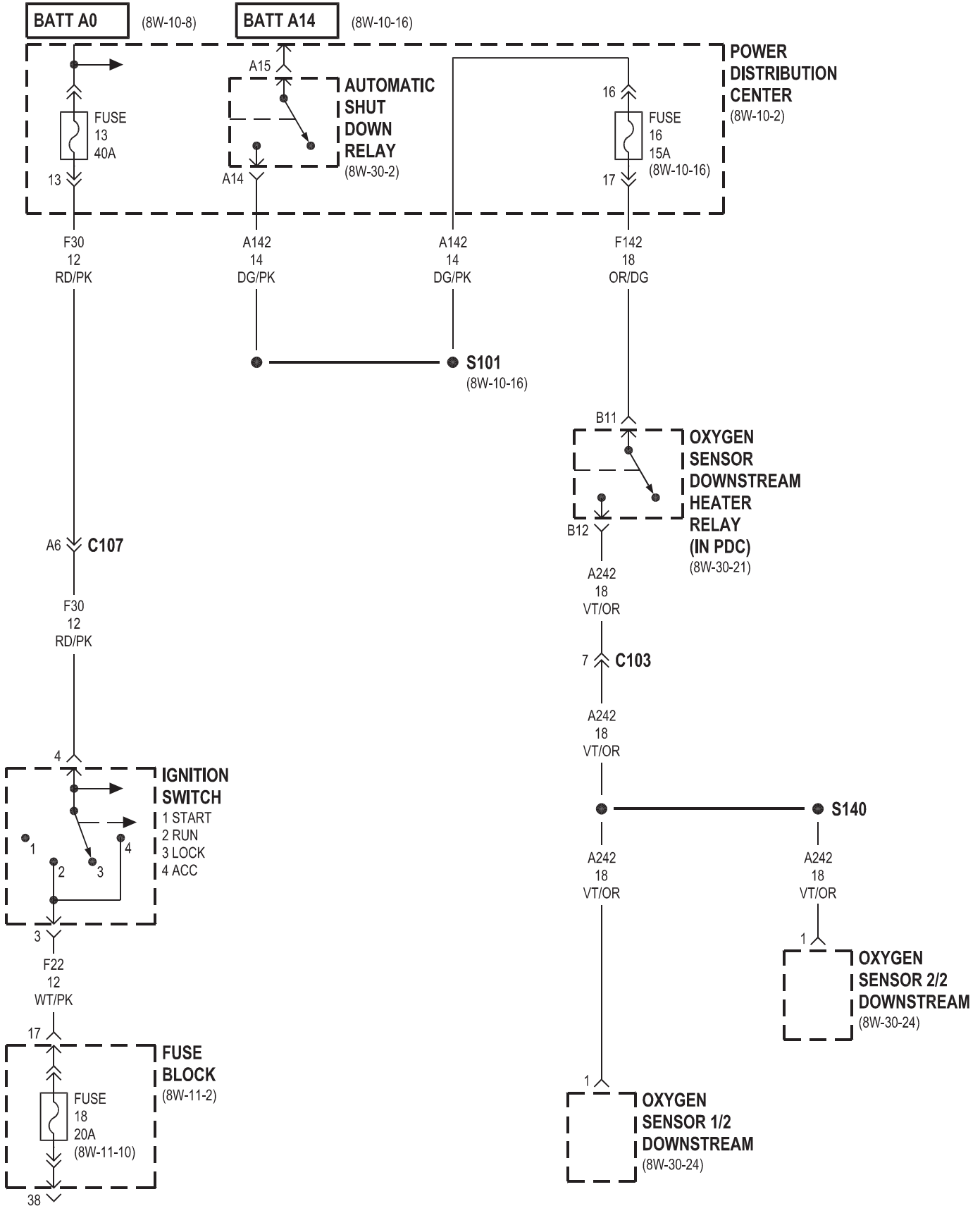
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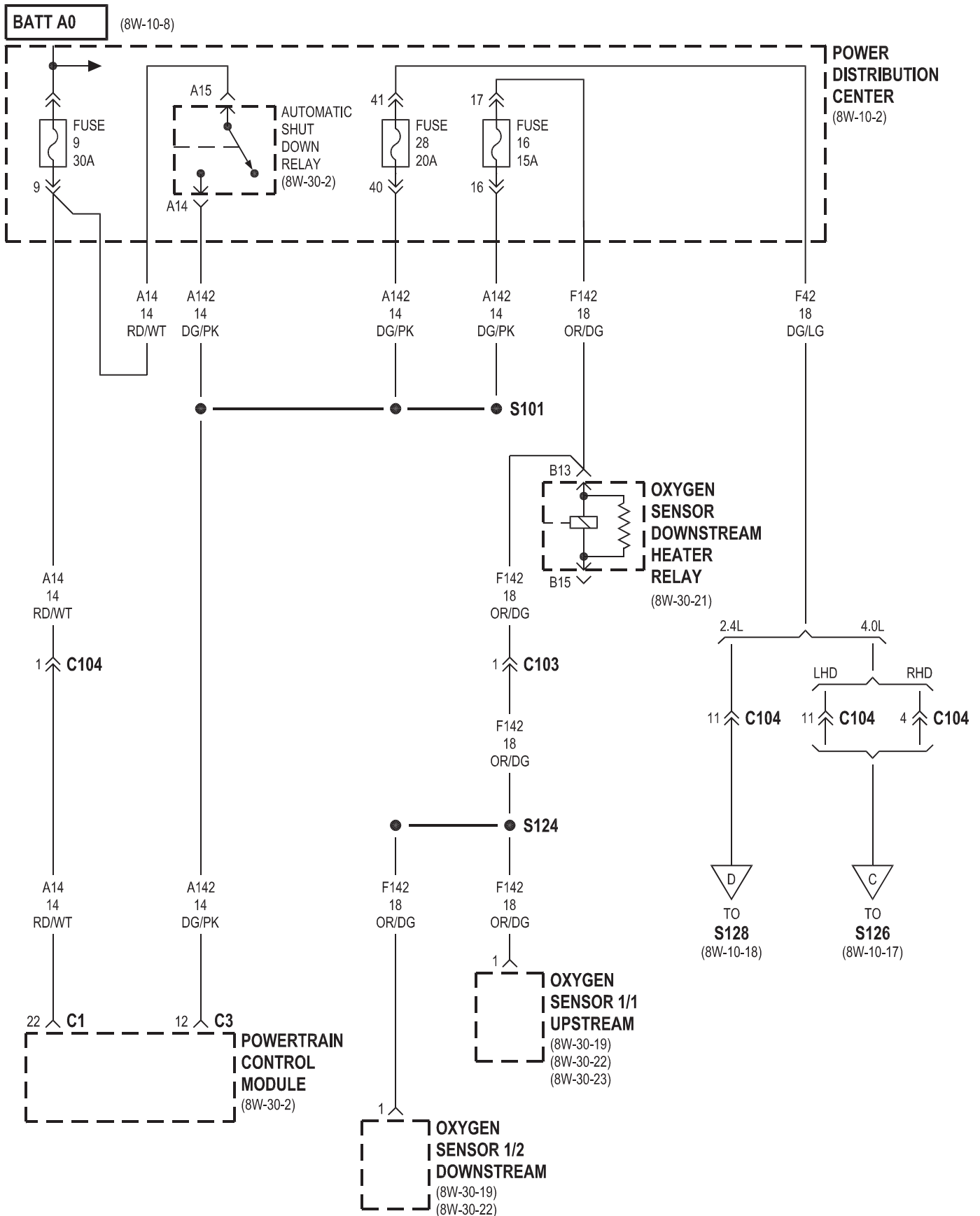
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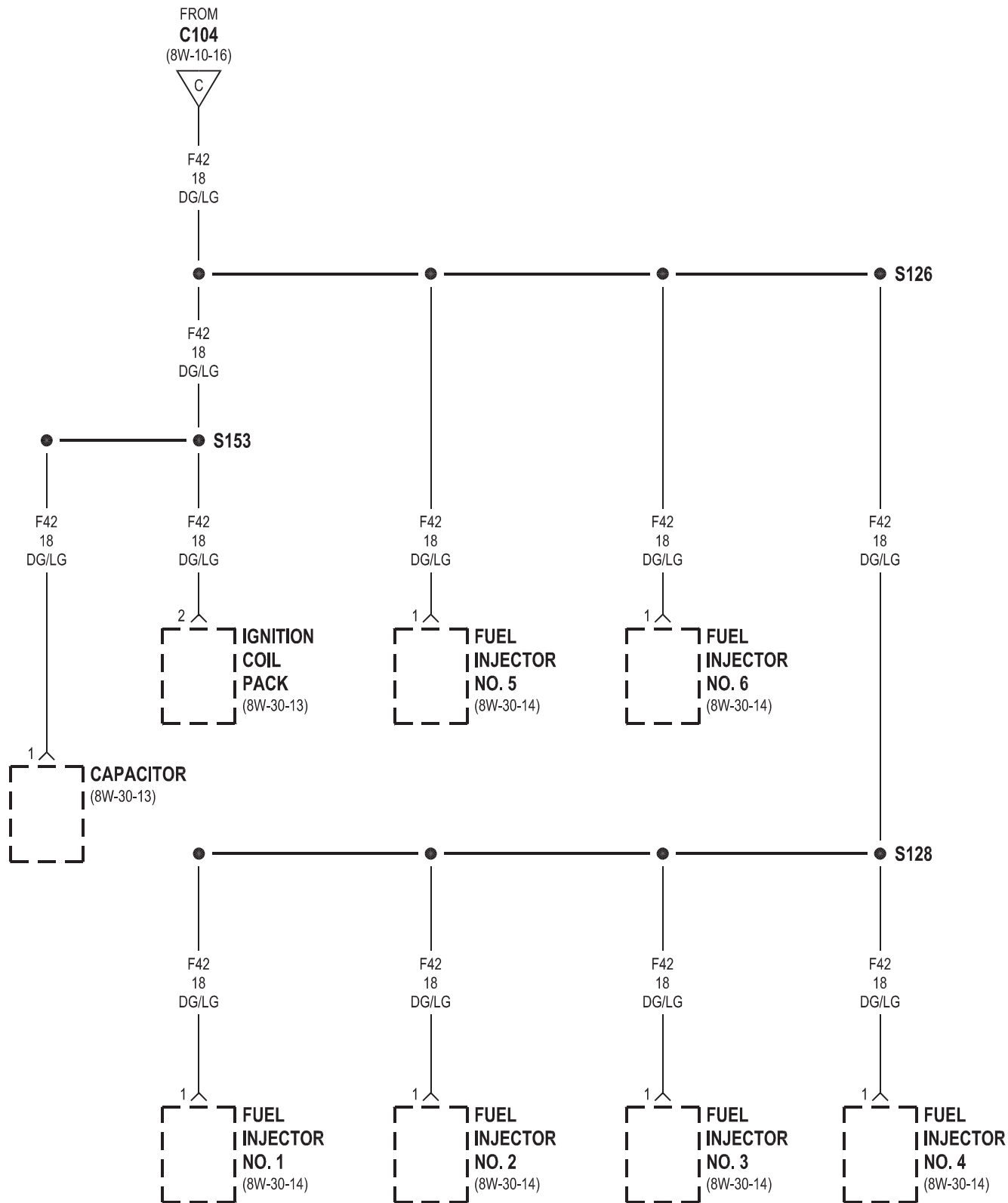
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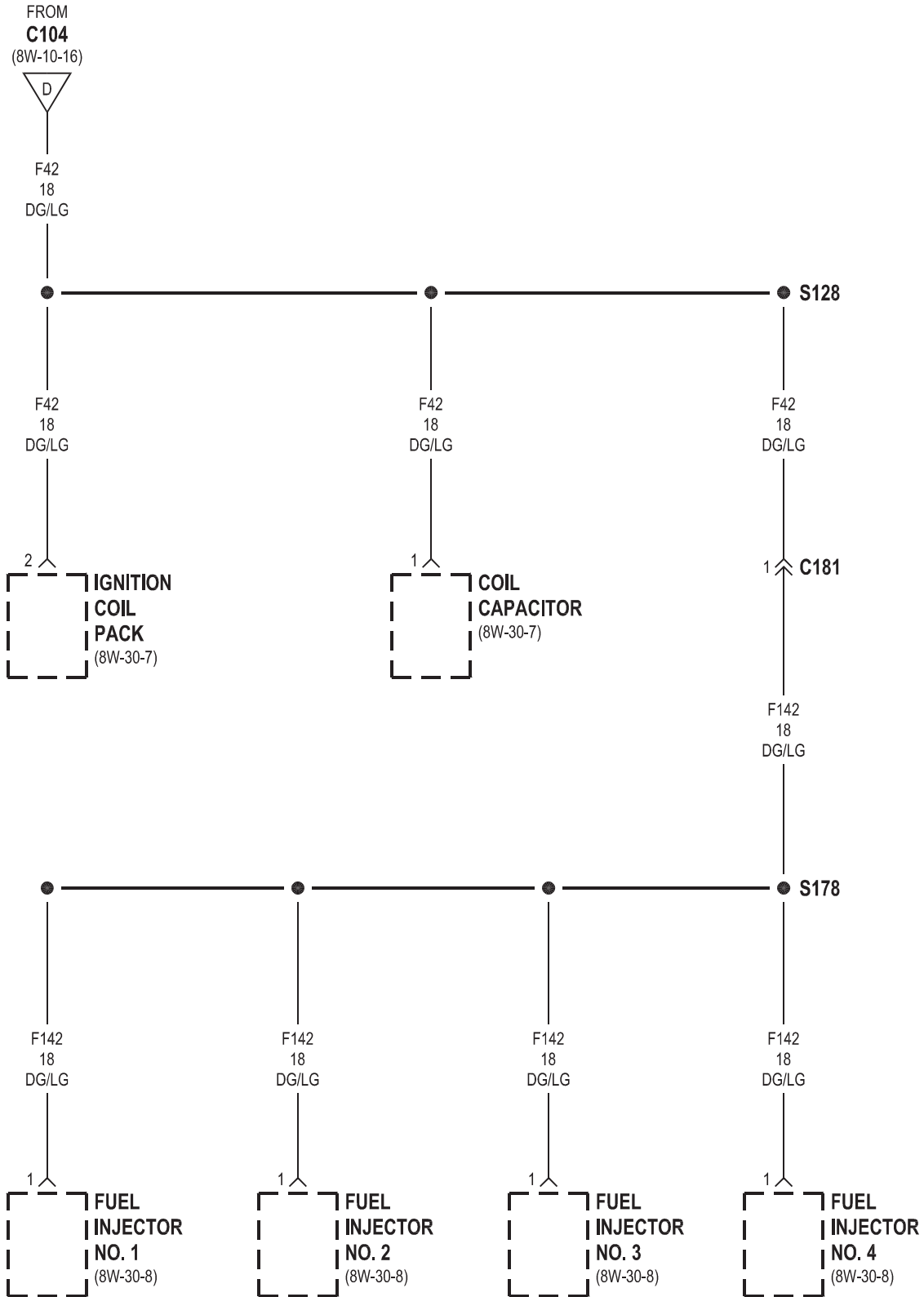
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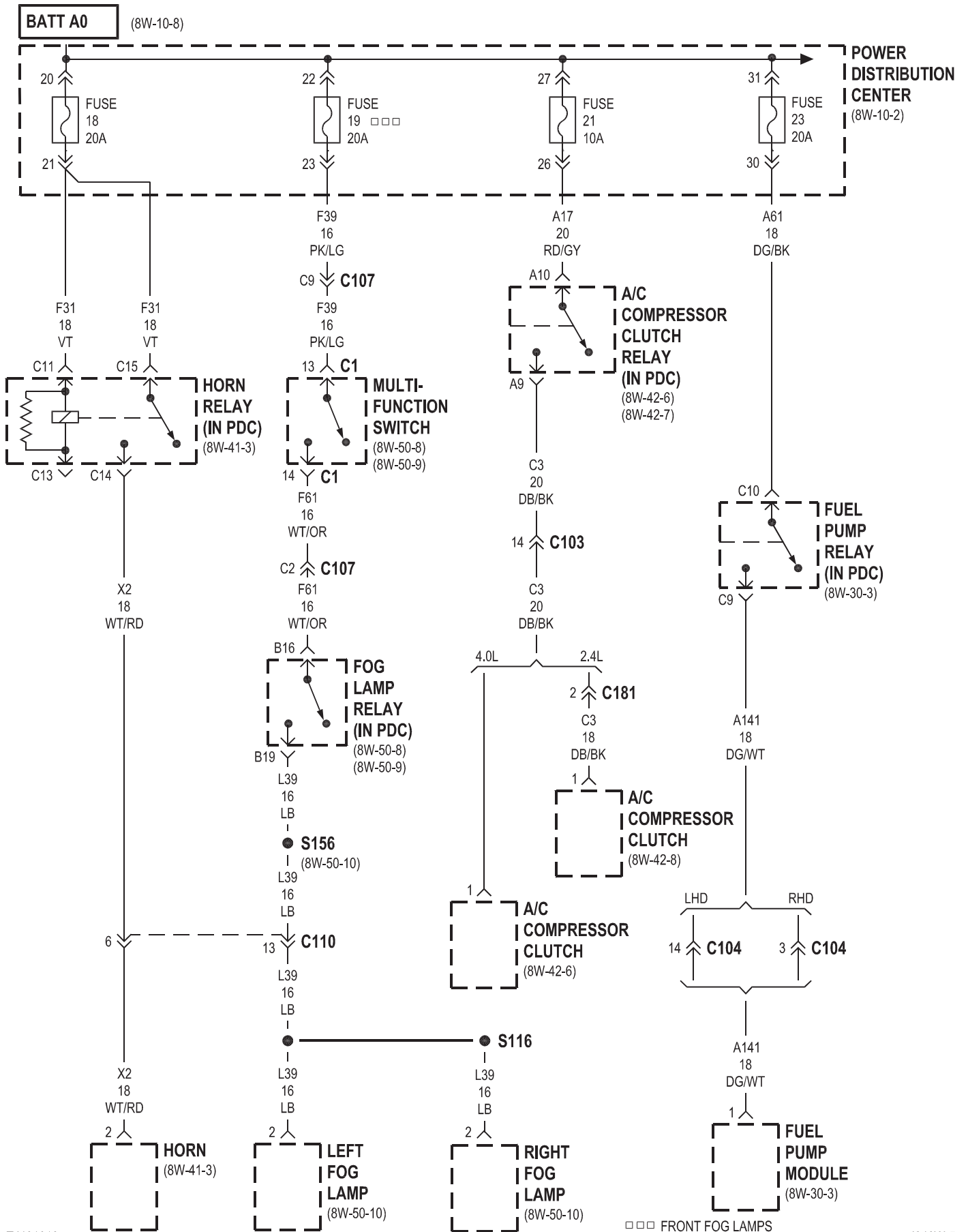
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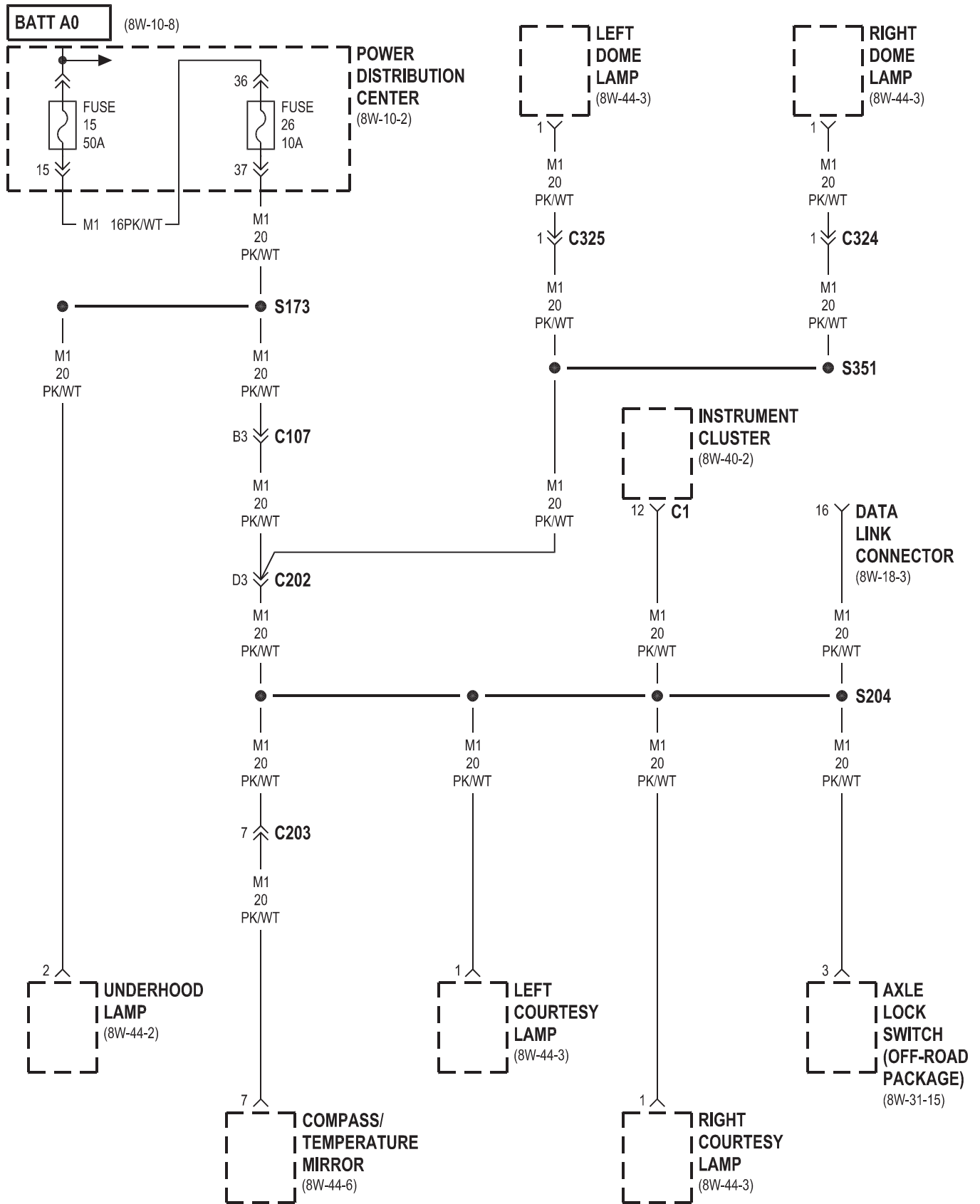
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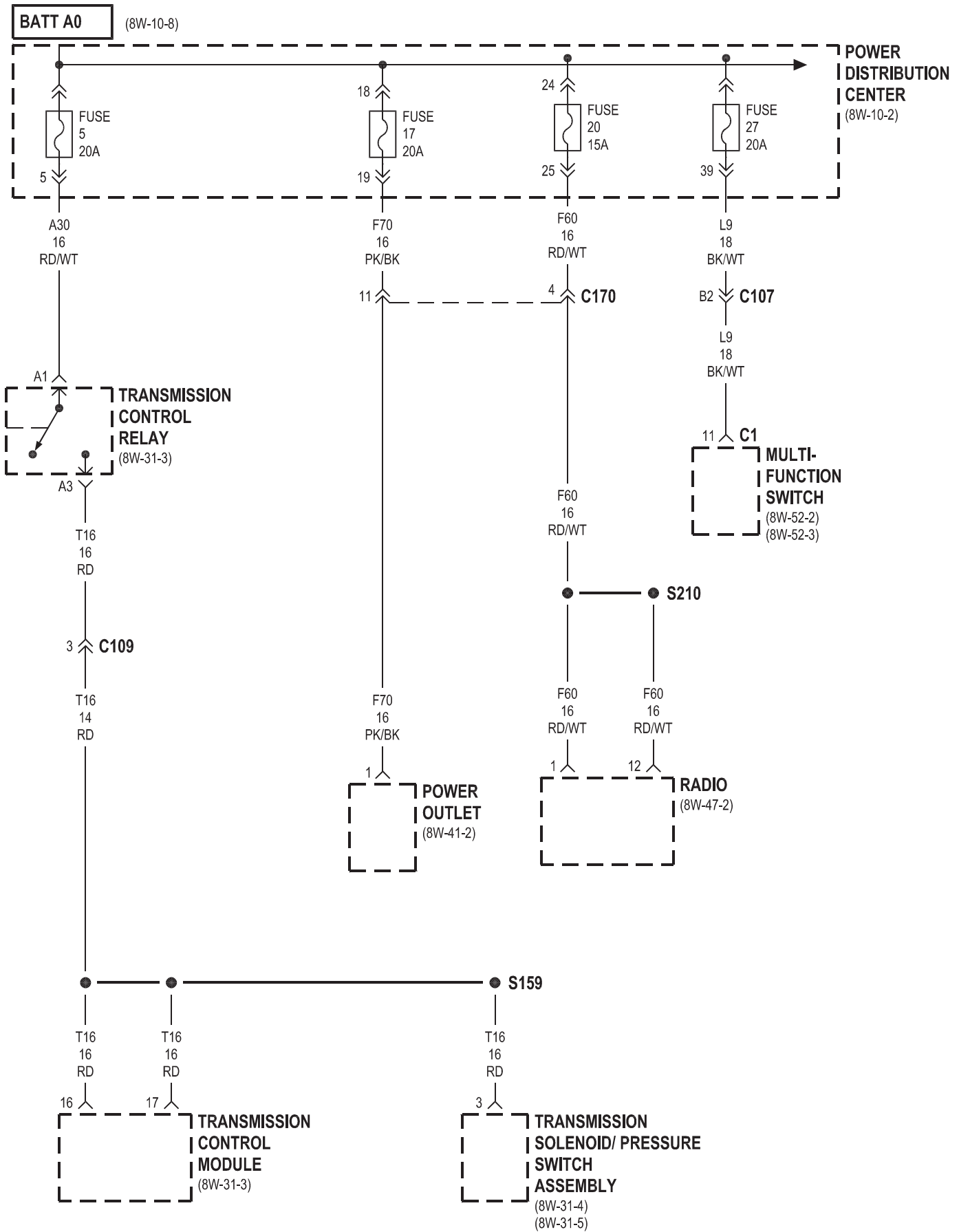
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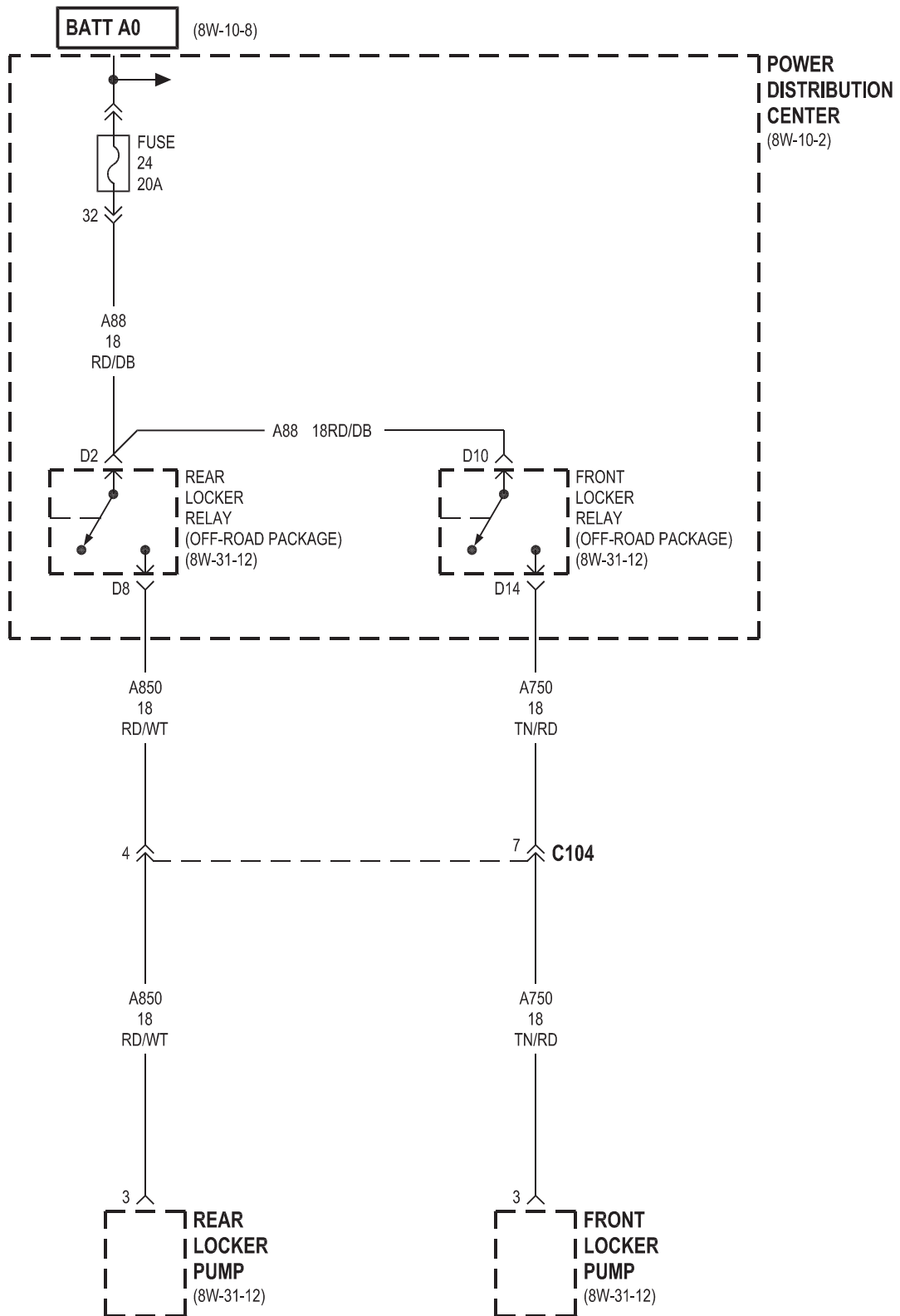
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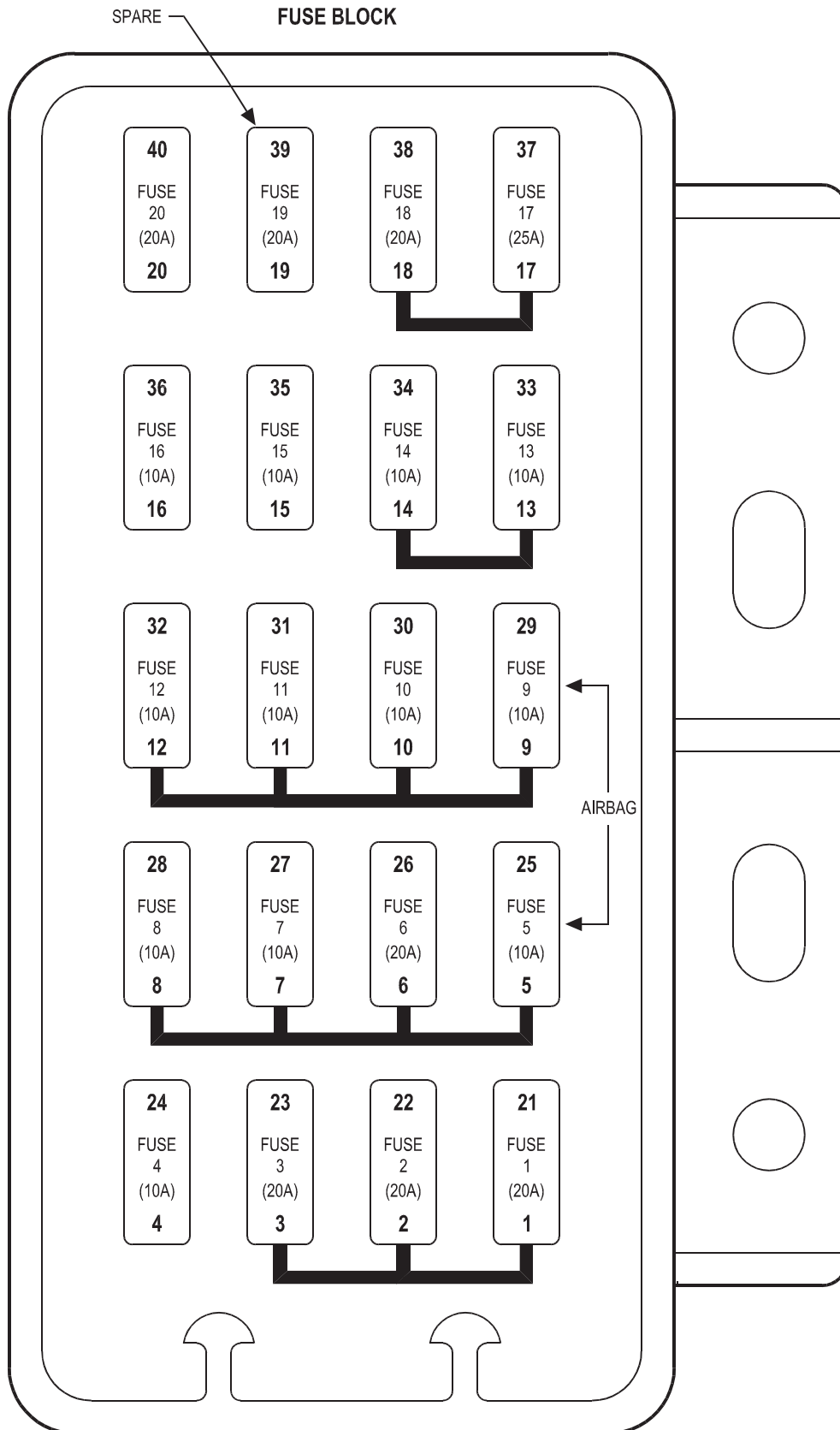
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8W-11 FUSE BLOCK

Component	Page	Component	Page
A/C Compressor Clutch Relay	8W-11-8	Fuse 13	8W-11-9
A/C-Heater Control	8W-11-6	Fuse 14	8W-11-9
Airbag Control Module	8W-11-5, 7	Fuse 15	8W-11-9
Antilock Brake Relay	8W-11-6	Fuse 16	8W-11-10
Automatic Shut Down Relay	8W-11-7	Fuse 17	8W-11-10
Back-Up Lamp Switch	8W-11-6	Fuse 18	8W-11-10
Blend Door Actuator	8W-11-6	Fuse 20	8W-11-9
Blower Motor Relay	8W-11-6	Fuse Block	8W-11-2, 4, 5, 6, 7, 8, 9, 10
Brake Lamp Switch	8W-11-4	G300	8W-11-4
Brake Transmission Shift Interlock Solenoid	8W-11-7	Headlamp Leveling Switch	8W-11-10
Cigar Lighter/Power Outlet	8W-11-10	Heater Control	8W-11-6
Clutch Pedal Position Switch	8W-11-9	High Speed Radiator Fan Relay	8W-11-6
Compass/Temperature Mirror	8W-11-7	Ignition Switch	8W-11-10
Controller Antilock Brake	8W-11-6	Instrument Cluster	8W-11-7
Daytime Running Lamp Module	8W-11-8, 10	Left Headlamp	8W-11-10
Driver Door Ajar Switch	8W-11-4	Left Headlamp Leveling Motor	8W-11-10
Engine Starter Motor Relay	8W-11-11	Low Speed Radiator Fan Relay	8W-11-6
EVAP/Purge Solenoid	8W-11-8	Multi-Function Switch	8W-11-4, 9, 10
Front Wiper Motor	8W-11-10	Passenger Airbag On-Off Switch	8W-11-7
Fuel Pump Relay	8W-11-7	Passenger Door Ajar Switch	8W-11-4
Fuse 1	8W-11-4	Powertrain Control Module	8W-11-7, 11
Fuse 2	8W-11-4	Radio	8W-11-9
Fuse 3	8W-11-4	Rear Window Defogger Relay	8W-11-6, 9
Fuse 4	8W-11-4	Rear Window Defogger Switch	8W-11-9
Fuse 5	8W-11-5	Rear Wiper Motor	8W-11-5
Fuse 6	8W-11-5	Rear Wiper/Washer Switch	8W-11-5
Fuse 7	8W-11-6	Right Headlamp	8W-11-10
Fuse 8	8W-11-6	Right Headlamp Leveling Motor	8W-11-10
Fuse 9	8W-11-7	Sentry Key Immobilizer Module	8W-11-4, 7
Fuse 10	8W-11-7	Subwoofer	8W-11-4
Fuse 11	8W-11-8	Transmission Control Module	8W-11-11
Fuse 12	8W-11-7	Transmission Range Sensor	8W-11-6



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FUSES

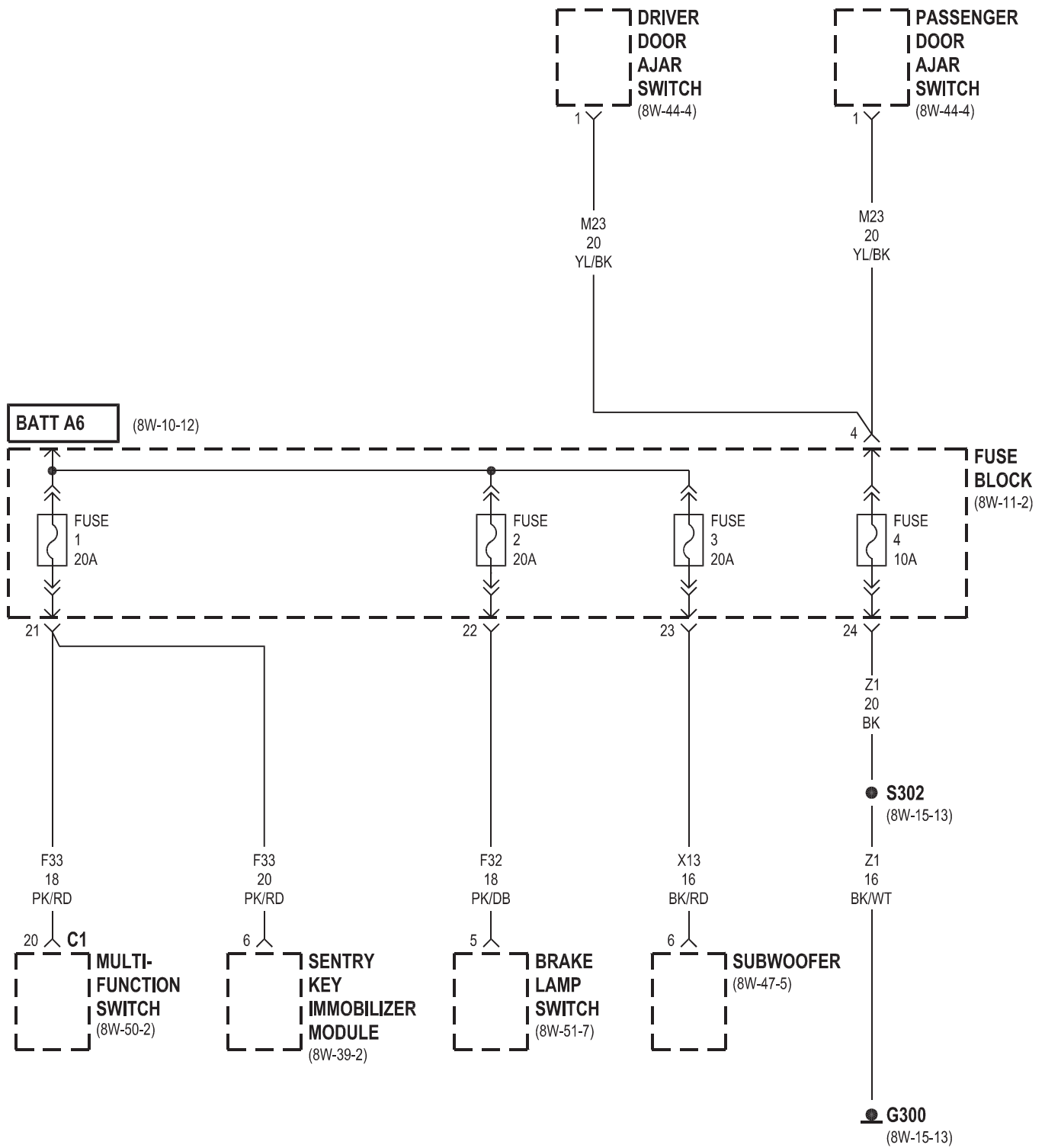
FUSE NO.	AMPS	FUSED CIRCUIT	FUNCTION
1	20A	F33 18PK/RD	FUSED B(+)
		F33 20PK/RD	FUSED B(+)
2	20A	F32 18PK/DB	FUSED B(+)
3	20A	X13 16BK/RD ▲▲▲	FUSED B(+)
4	10A	Z1 20BK	DOOR AJAR SWITCH OUTPUT
5	10A	F23 18DB/YL	FUSED IGNITION SWITCH OUTPUT (RUN)
6	20A	V23 18BR/PK	FUSED IGNITION SWITCH OUTPUT (RUN)
7	10A	F20 20VT/WT	FUSED IGNITION SWITCH OUTPUT (RUN)
8	10A	F24 20RD/DG ■■■	FUSED IGNITION SWITCH OUTPUT (RUN)
9	10A	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
		F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
10	10A	G5 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
		G5 20DB/WT	
11	10A	F12 20RD/LG	FUSED IGNITION SWITCH OUTPUT (RUN-START)
12	10A	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
		F15 20DB	
13	10A	L5 20BK/GY	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
14	10A	X12 20PK	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
15	10A	F81 20DB/RD ■■■	FUSED REAR WINDOW DEFOGGER RELAY OUTPUT
16	10A	L22 20LG/DG ▲▲	DIMMER SWITCH LOW BEAM OUTPUT
		L22 20LG/DG ▲▲	
17	25A	V6 16PK/BK	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
		V6 16PK/BK	
18	20A	F38 16LB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
19	-	-	-
20	20A	T141 18YL/RD ■■	FUSED IGNITION SWITCH OUTPUT (START)
		T141 18YL/RD	FUSED IGNITION SWITCH OUTPUT (START)

■■ A/T

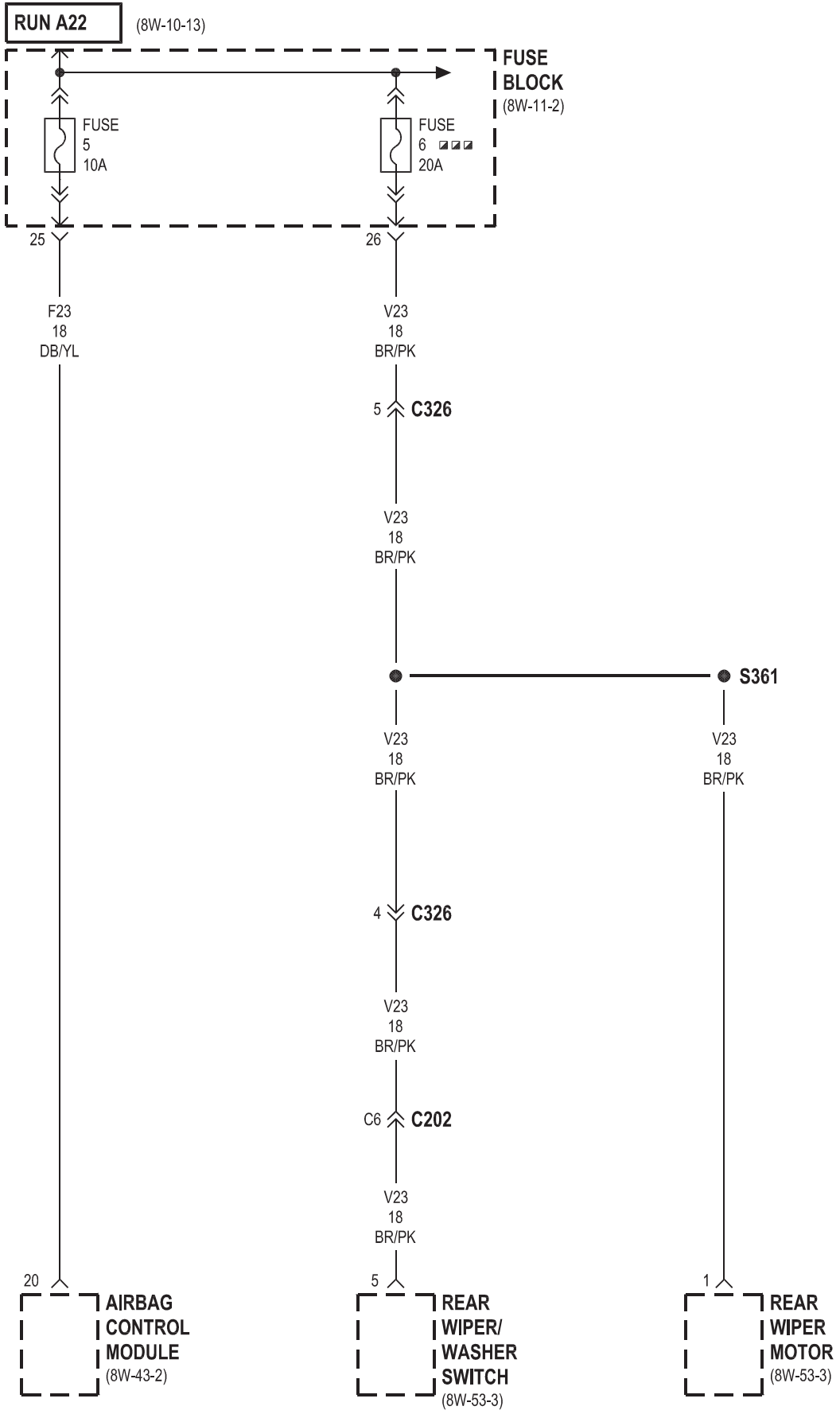
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▲▲ EXPORT

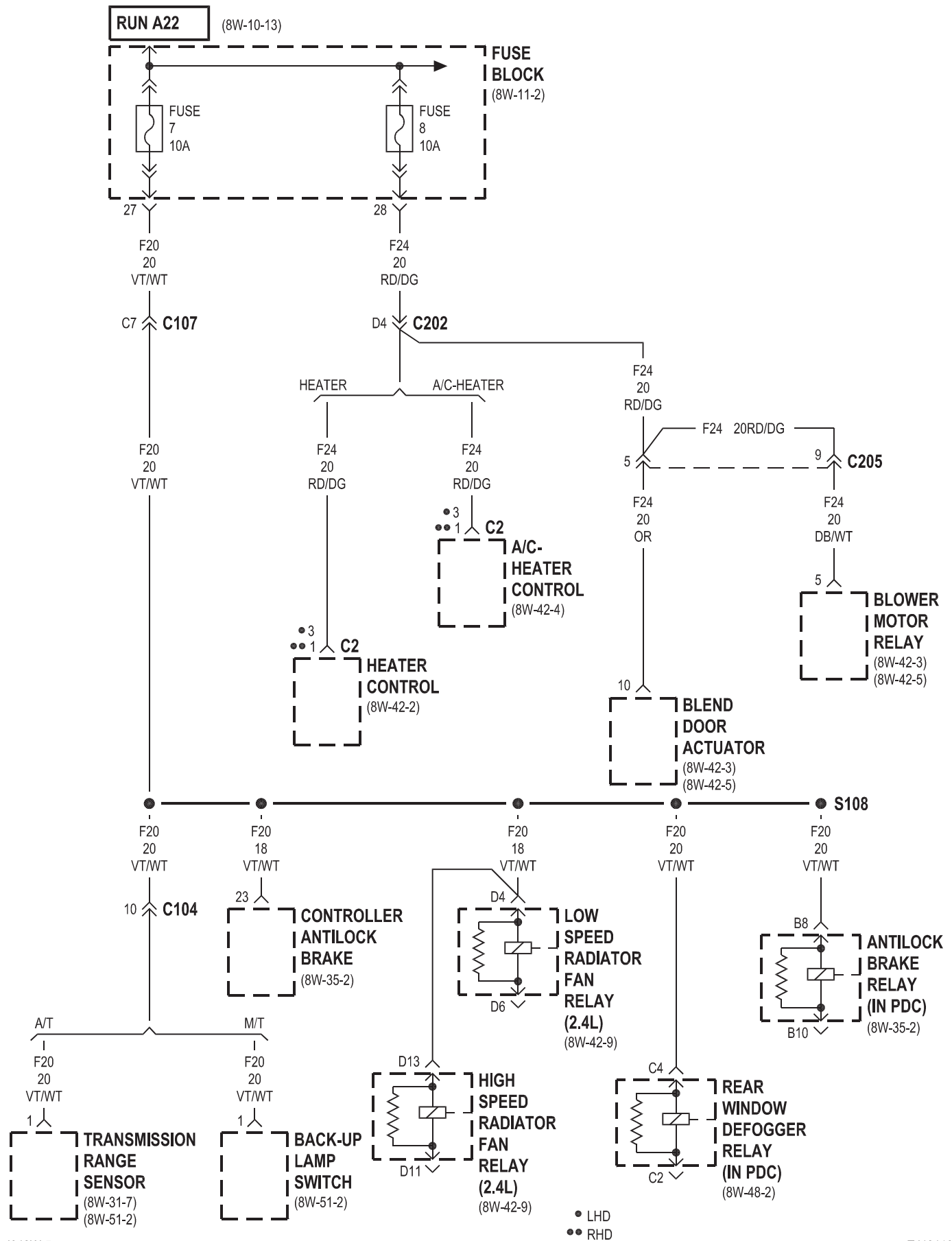
■■■ HARDTOP



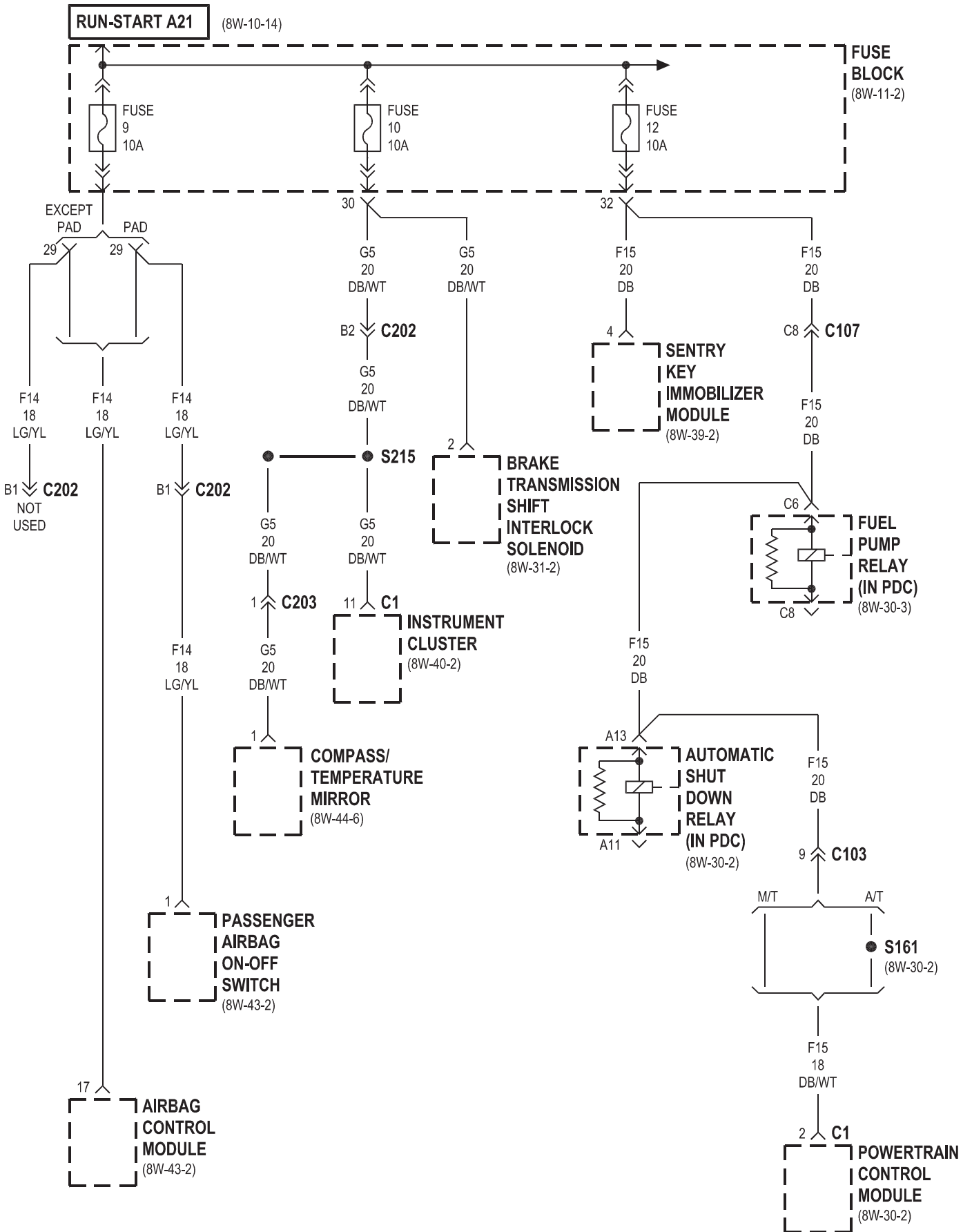
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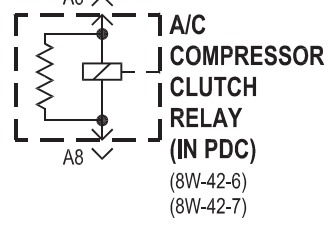
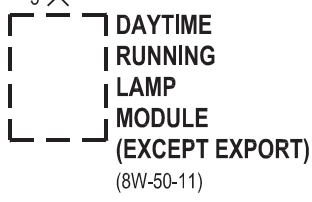
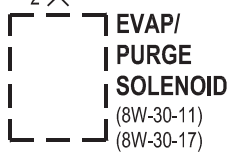
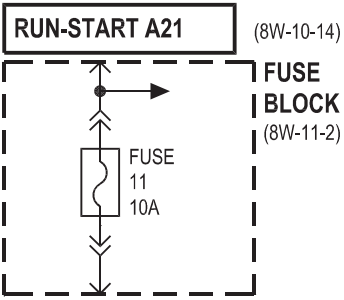
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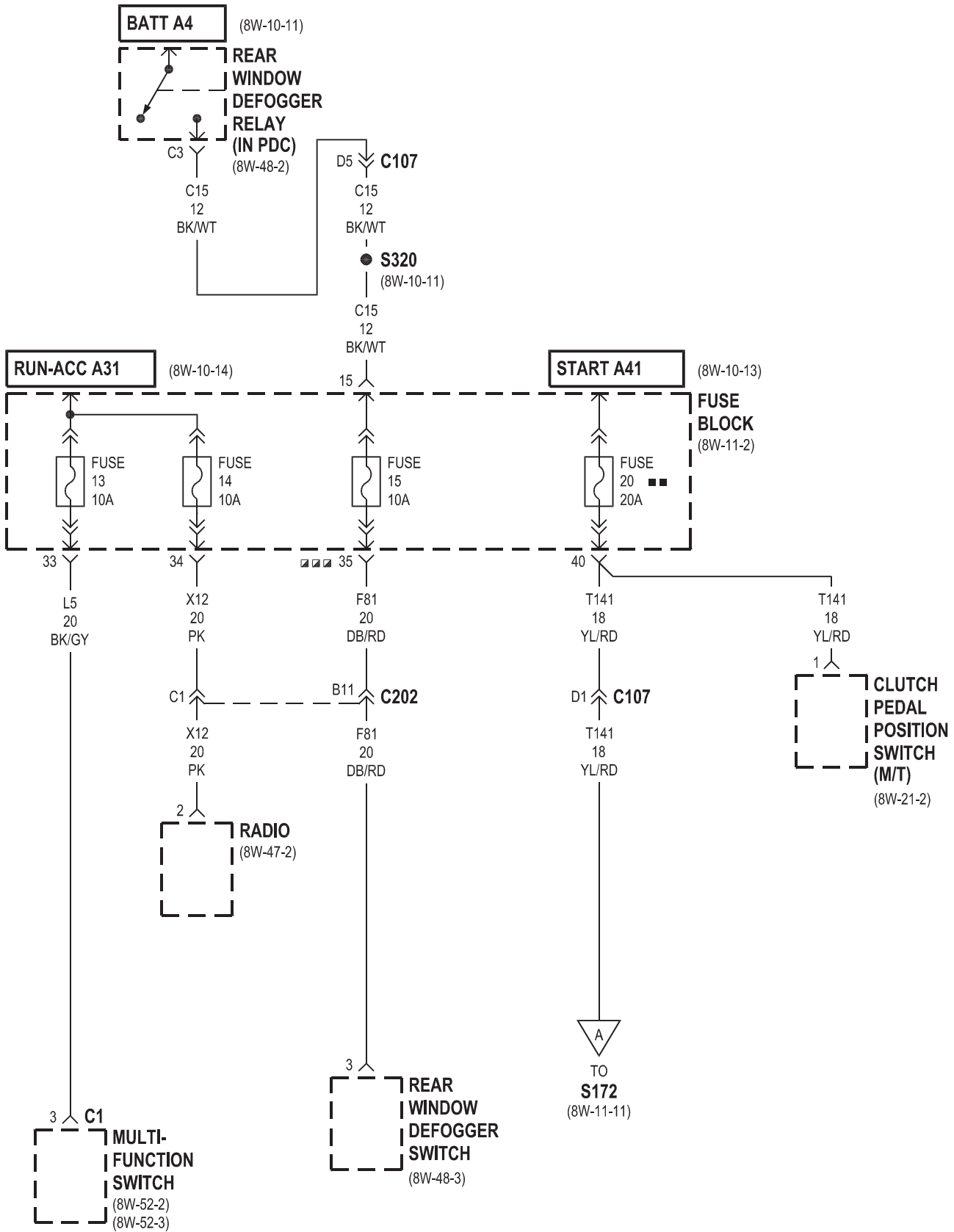
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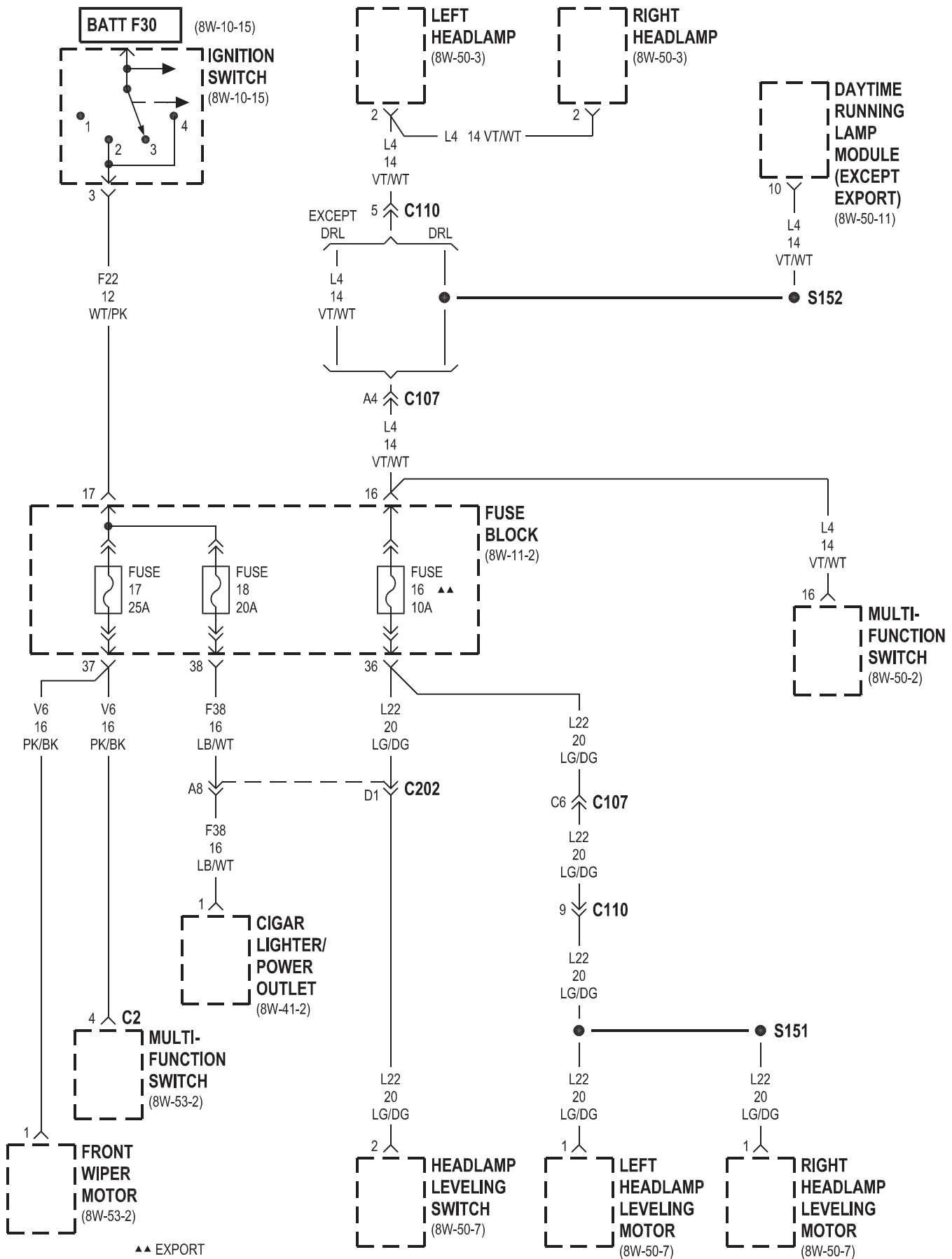


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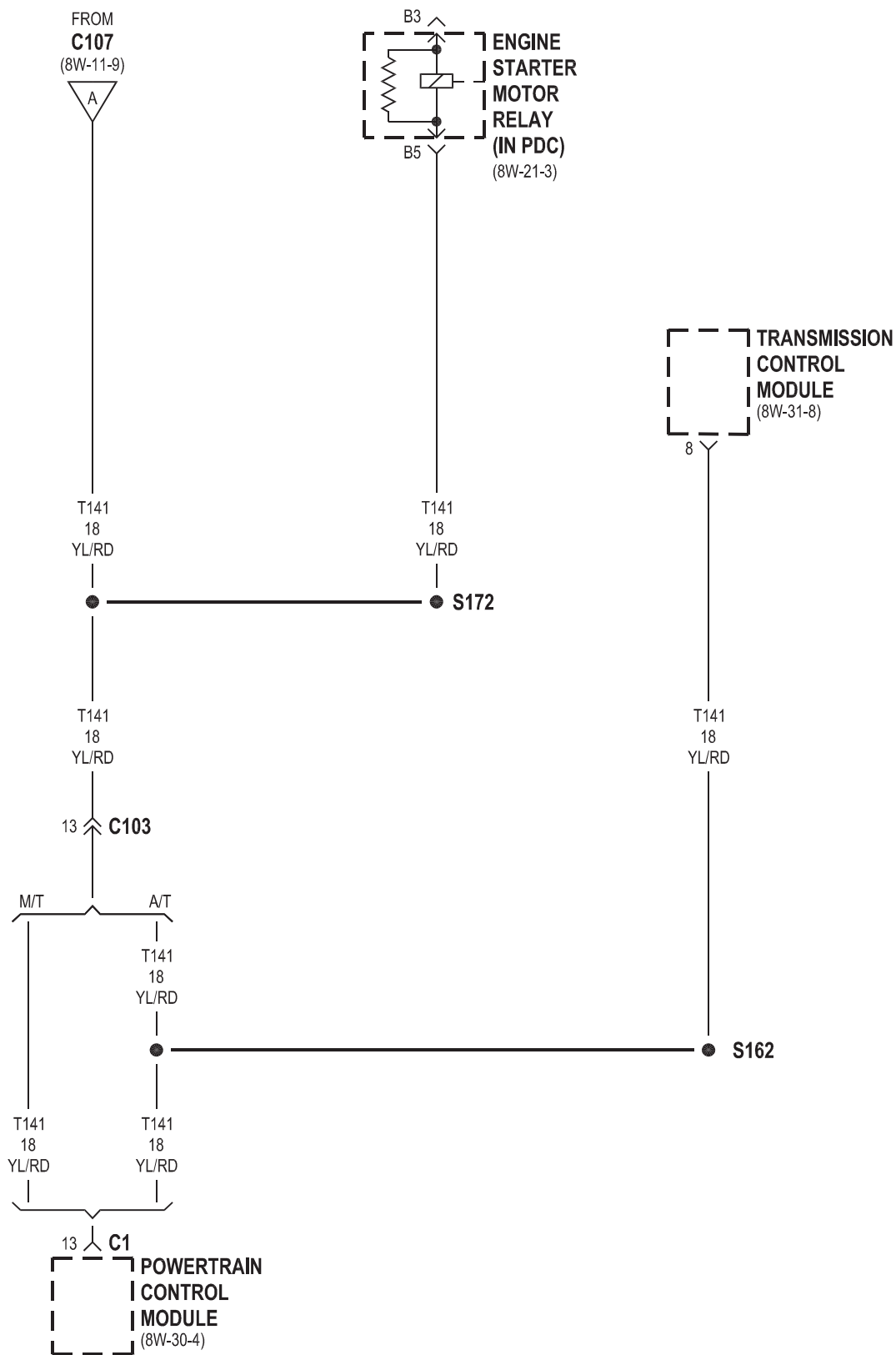


▣▣▣ HARD TOP

■ ■ A/T



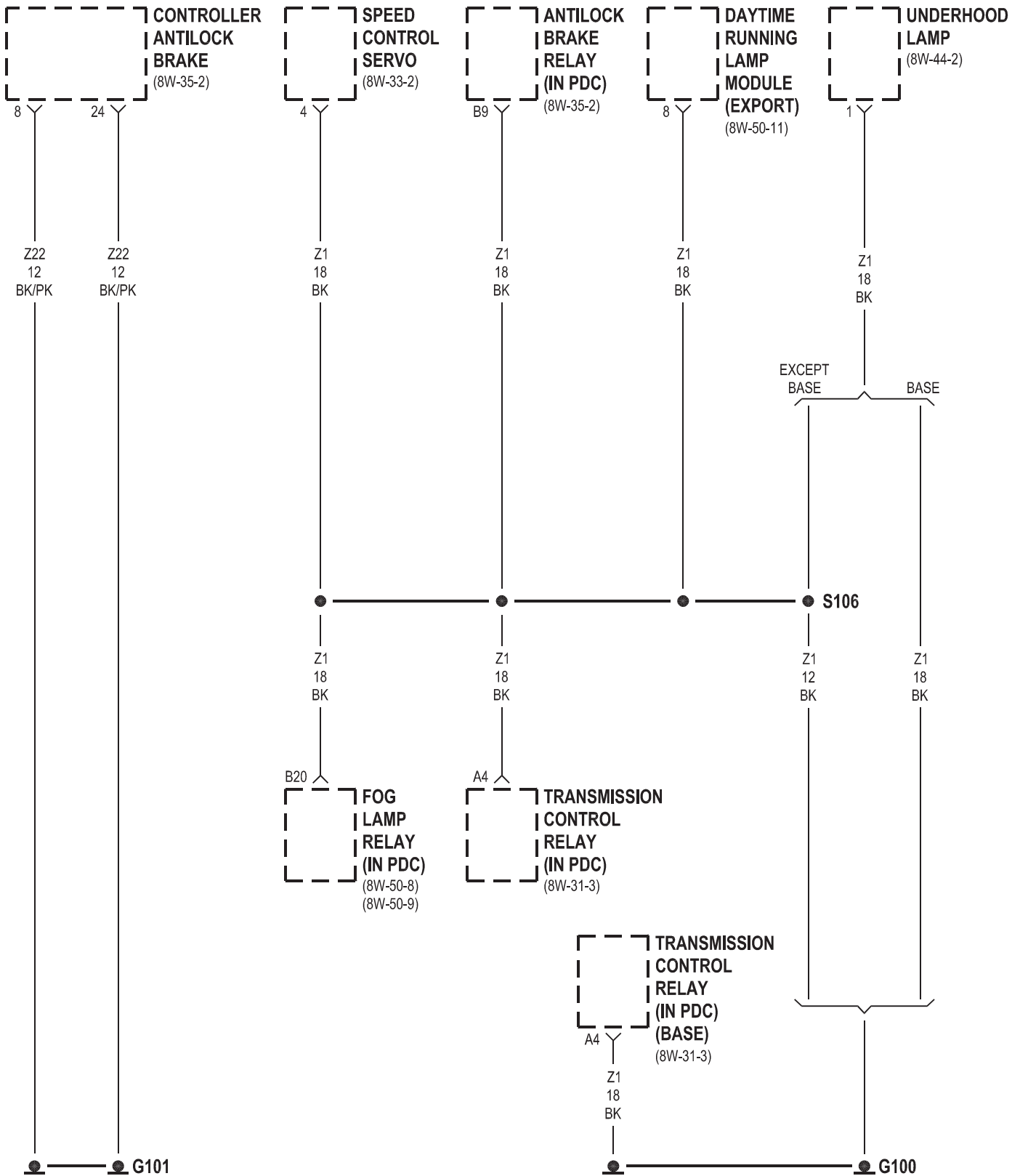
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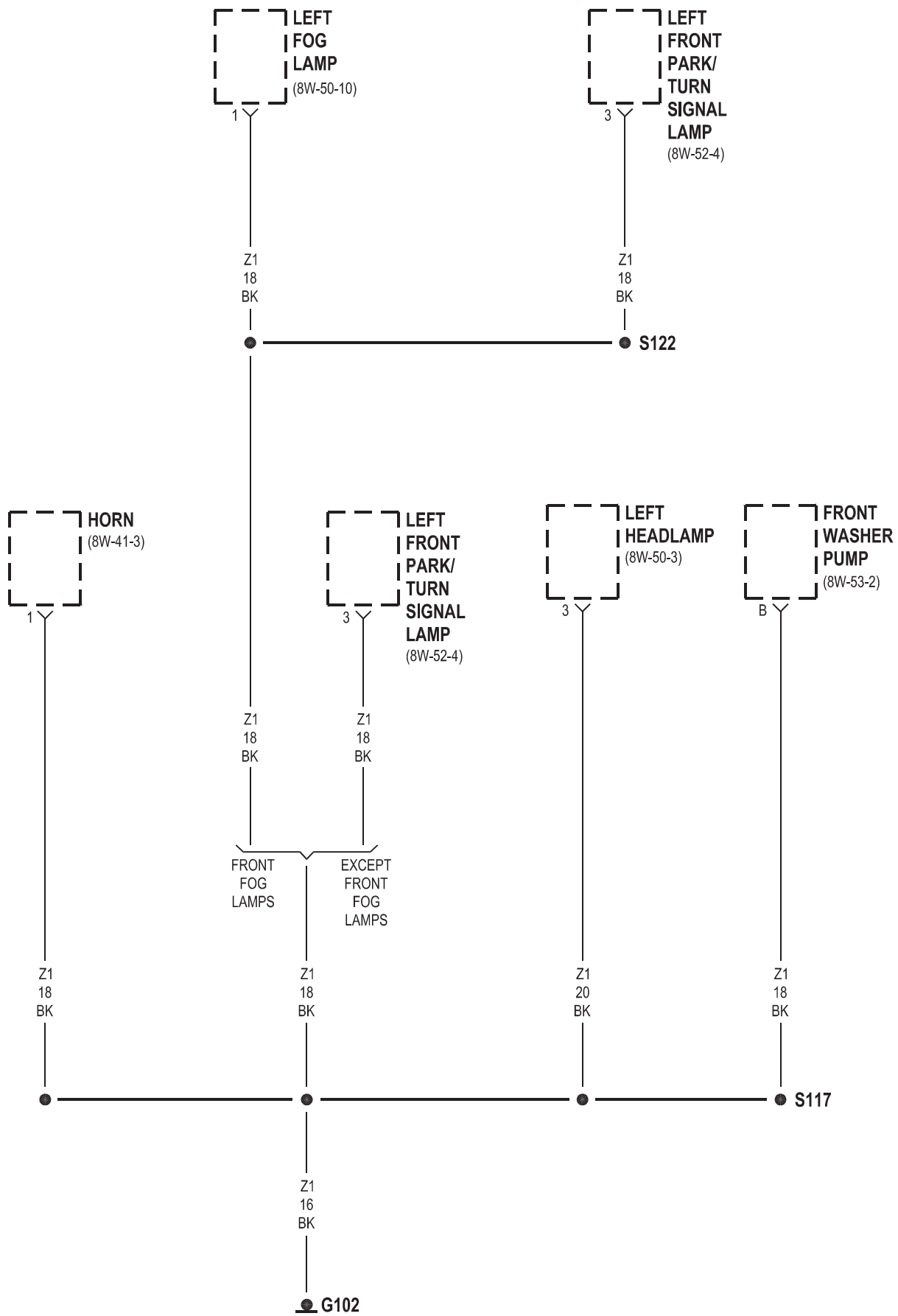
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8W-15 GROUND DISTRIBUTION

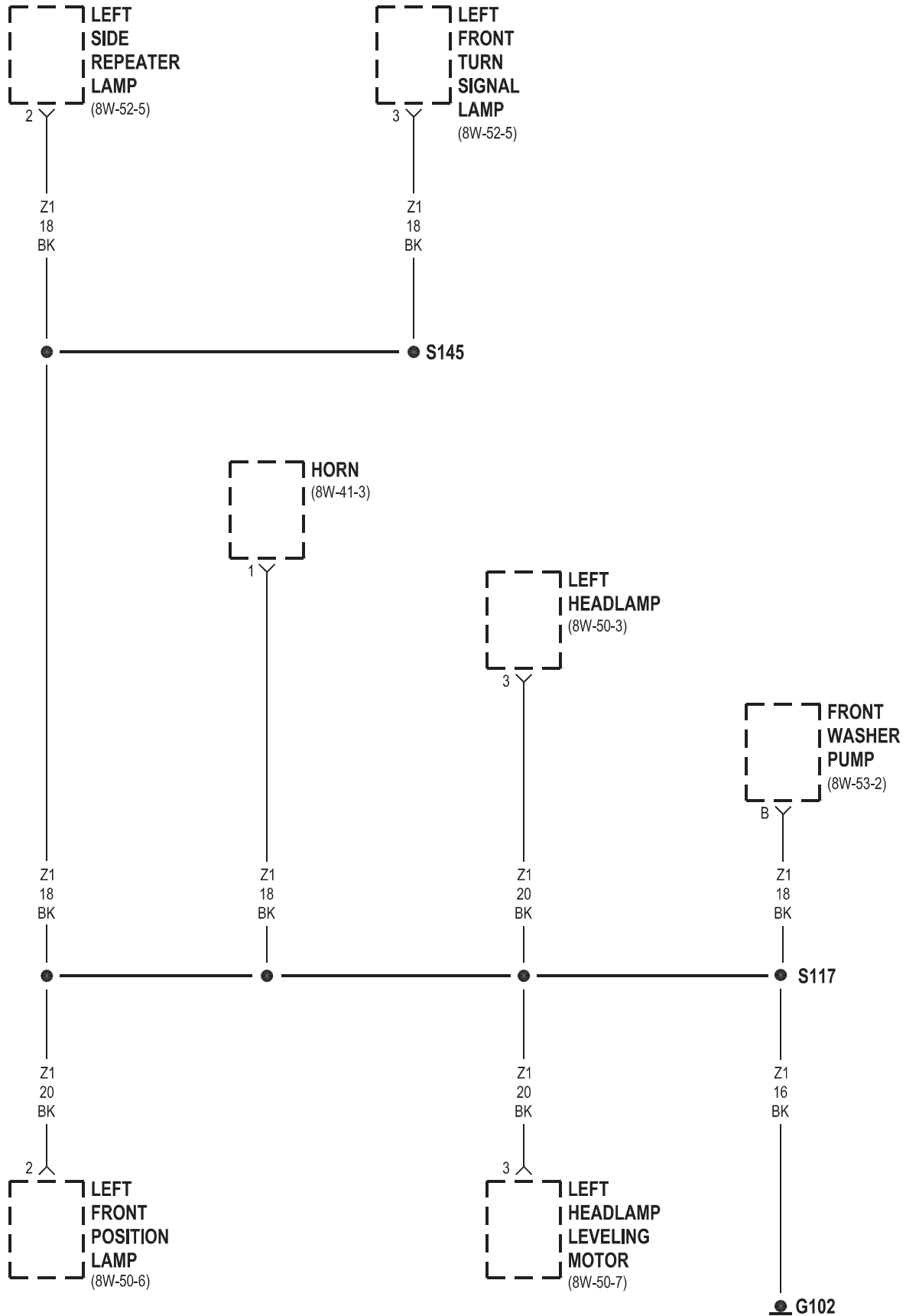
Component	Page	Component	Page
A/C Compressor Clutch	8W-15-7, 8, 9	Instrument Cluster	8W-15-11, 12
A/C-Heater Control	8W-15-11, 12	Left Fog Lamp	8W-15-3
Airbag Control Module	8W-15-14	Left Front Park/Turn Signal Lamp	8W-15-3
Antilock Brake Relay	8W-15-2	Left Front Position Lamp	8W-15-4
Battery	8W-15-10	Left Front Turn Signal Lamp	8W-15-4
Blend Door Actuator	8W-15-11, 12	Left Headlamp	8W-15-3, 4
Blower Motor Relay	8W-15-11, 12	Left Headlamp Leveling Motor	8W-15-4
Brake Lamp Switch	8W-15-13	Left License Lamp	8W-15-14
Center High Mounted Stop Lamp	8W-15-14	Left Side Repeater Lamp	8W-15-4
Cigar Lighter/Power Outlet	8W-15-11, 12	Multi-Function Switch	8W-15-13
Compass/Temperature Mirror	8W-15-11, 12	Overdrive Off Switch	8W-15-11, 12
Controller Antilock Brake	8W-15-2	Oxygen Sensor 1/2 Downstream	8W-15-7, 8
Data Link Connector	8W-15-6, 11, 12	Passenger Door Ajar Switch	8W-15-13
Daytime Running Lamp Module	8W-15-2	Power Outlet	8W-15-11, 12
Driver Door Ajar Switch	8W-15-13	Power Steering Pressure Switch	8W-15-9
Engine Starter Motor Relay	8W-15-7, 8, 9	Powertrain Control Module	8W-15-6, 7, 8, 9
Fog Lamp Relay	8W-15-2	Radiator Fan Motor	8W-15-10
Front Locker Indicator Switch	8W-15-8	Radiator Fan Motor Circuit Breaker	8W-15-10
Front Locker Pump	8W-15-8	Radio	8W-15-11, 12
Front Washer Pump	8W-15-3, 4	Rear Fog Lamp	8W-15-14
Front Wiper Motor	8W-15-13	Rear Locker Indicator Switch	8W-15-8
Fuel Pump Module	8W-15-7, 8, 9	Rear Locker Pump	8W-15-8
Fuse 4	8W-15-13	Rear Washer Pump	8W-15-14
Fuse Block	8W-15-13	Rear Window Defogger	8W-15-14
G100	8W-15-2	Rear Window Defogger Switch	8W-15-11, 12
G101	8W-15-2	Rear Wiper Motor	8W-15-14
G102	8W-15-3, 4	Rear Wiper/Washer Switch	8W-15-11, 12
G103	8W-15-5	Right Fog Lamp	8W-15-5
G104	8W-15-6	Right Front Park/Turn Signal Lamp	8W-15-5
G105	8W-15-6, 7, 8, 9	Right Front Position Lamp	8W-15-5
G106	8W-15-10	Right Front Turn Signal Lamp	8W-15-5
G107	8W-15-10	Right Headlamp	8W-15-5
G190	8W-15-10	Right Headlamp Leveling Motor	8W-15-5
G200	8W-15-11, 12	Right License Lamp	8W-15-14
G201	8W-15-11, 12	Right Side Repeater Lamp	8W-15-5
G202	8W-15-11, 12	Seat Belt Switch	8W-15-14
G203	8W-15-11, 12	Sentry Key Immobilizer Module	8W-15-14
G204	8W-15-11, 12	Speed Control Servo	8W-15-2
G300	8W-15-13	Subwoofer	8W-15-14
G301	8W-15-14	Transfer Case Switch	8W-15-7, 9
G302	8W-15-14	Transmission Control Module	8W-15-9
G303	8W-15-14	Transmission Control Relay	8W-15-2
Generator	8W-15-6	Transmission Range Indicator Illumination	8W-15-13
Headlamp Leveling Switch	8W-15-11, 12	Underhood Lamp	8W-15-2
Horn	8W-15-3, 4		
Ignition Switch	8W-15-13		



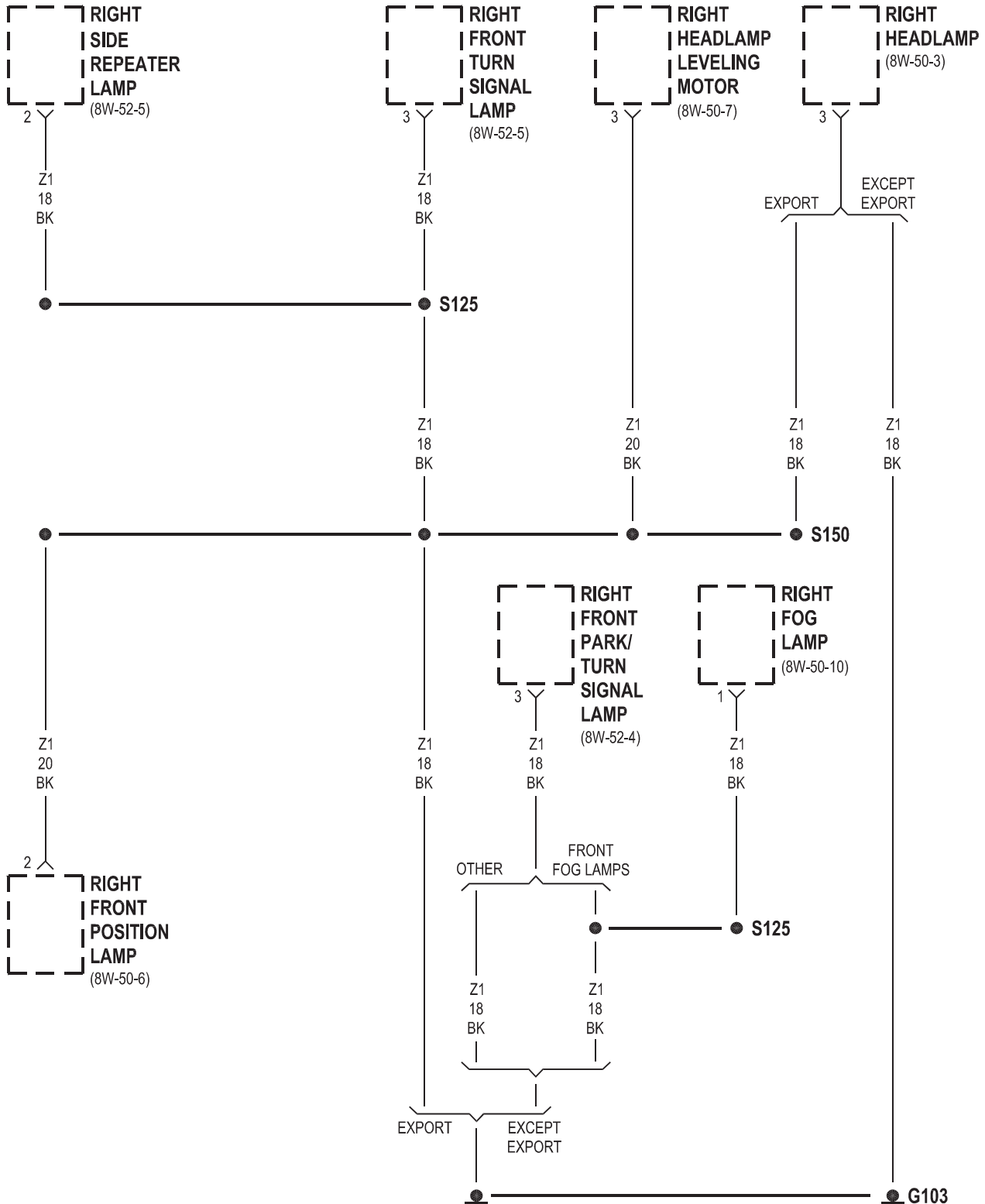
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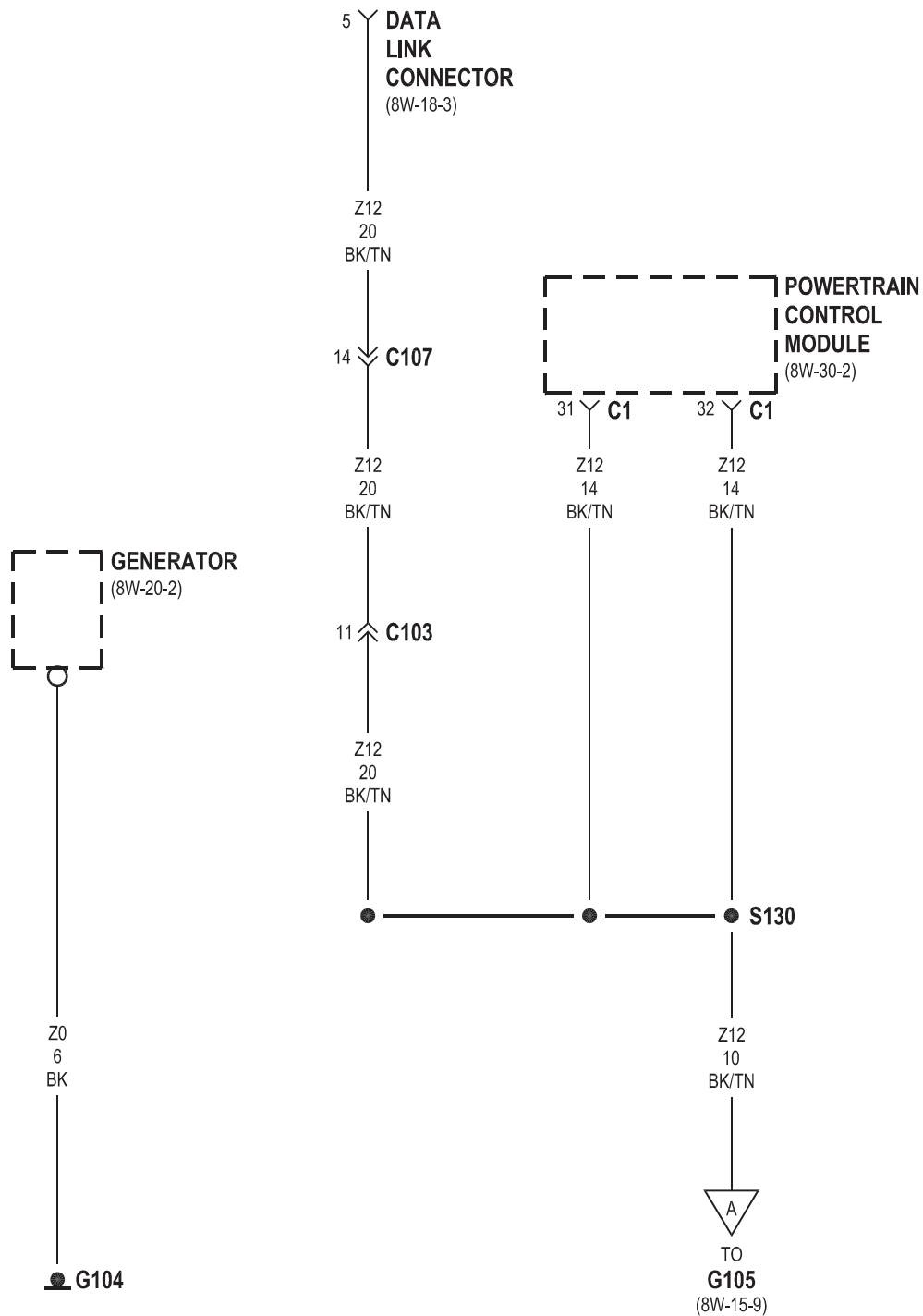
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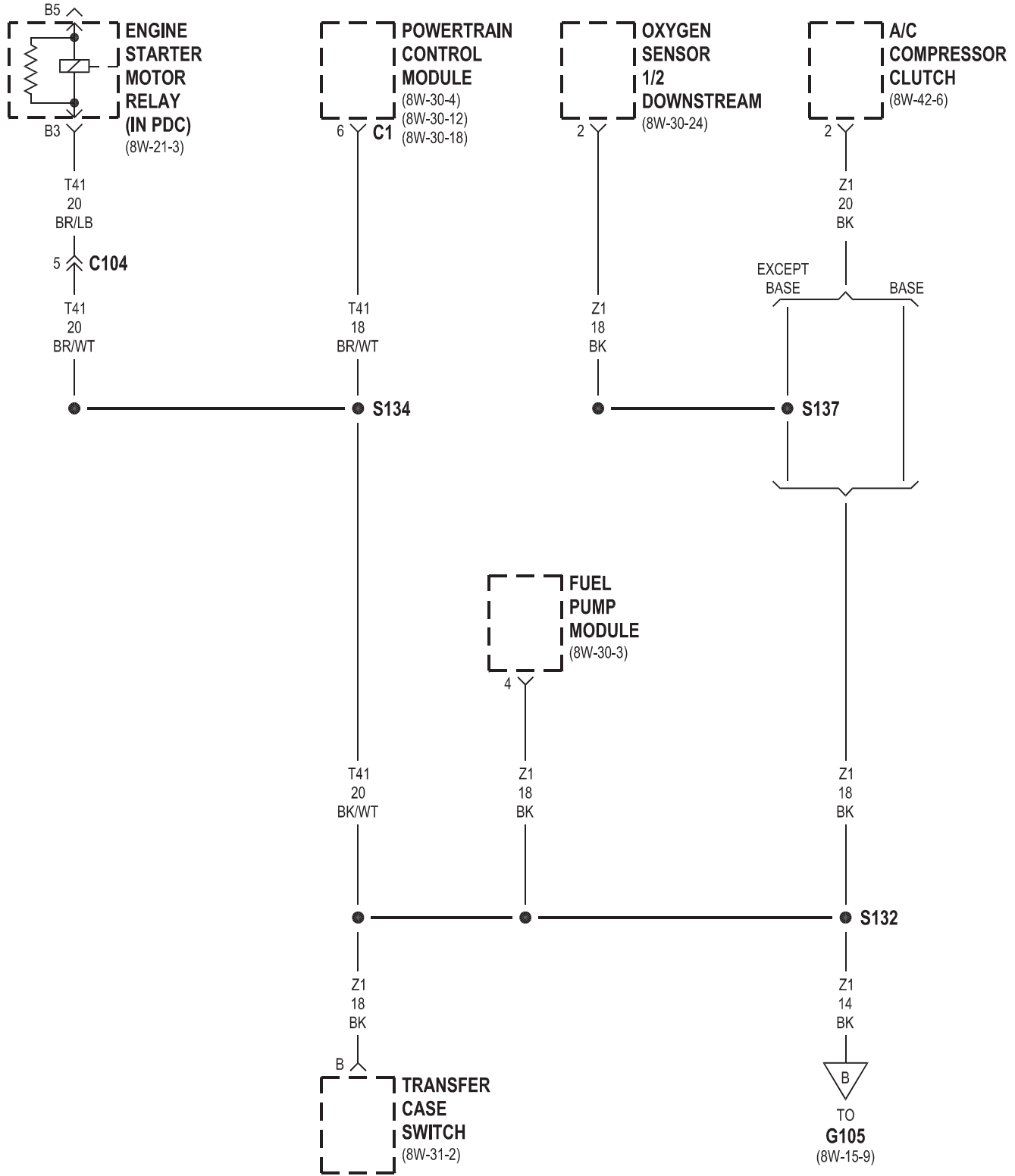
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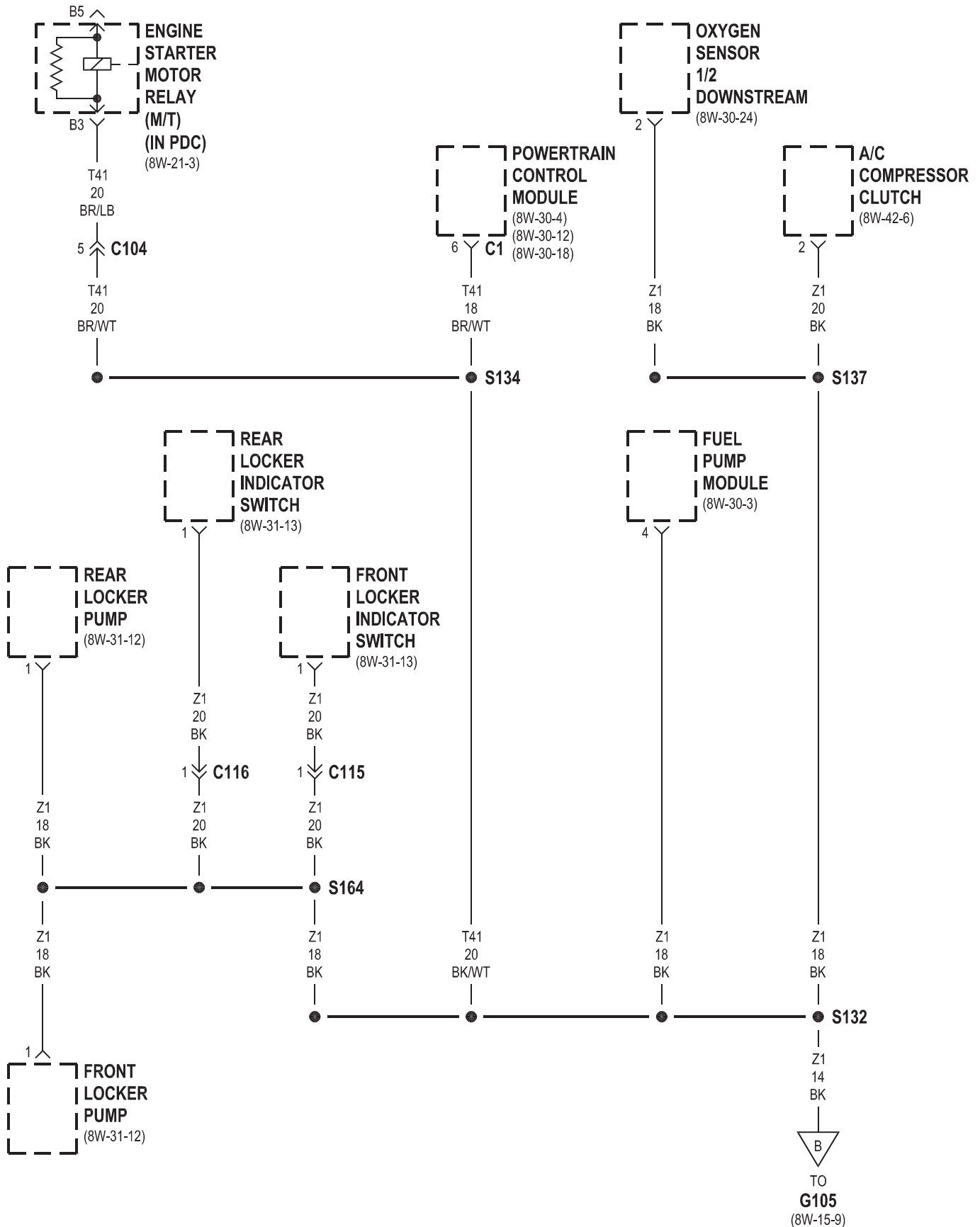
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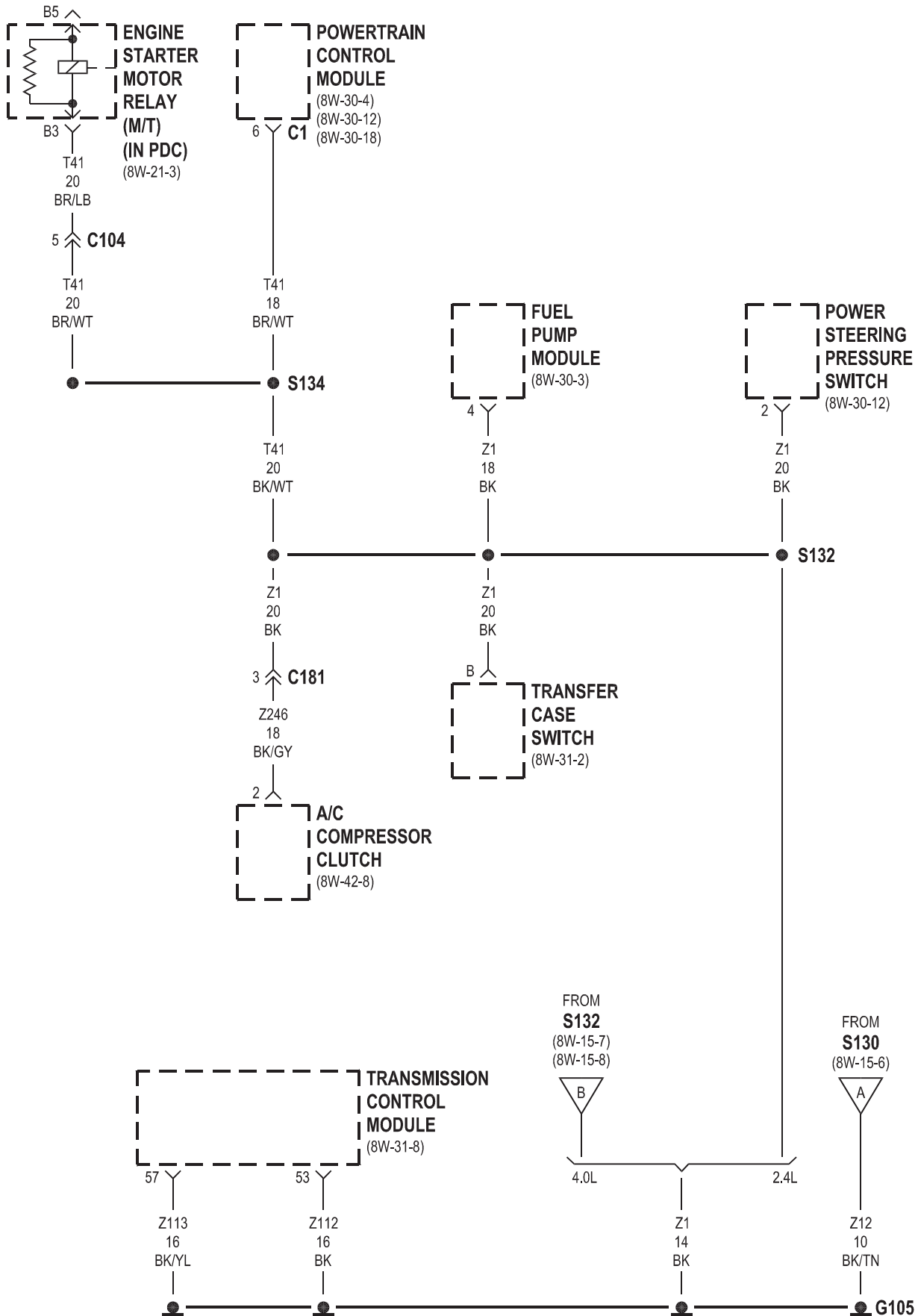
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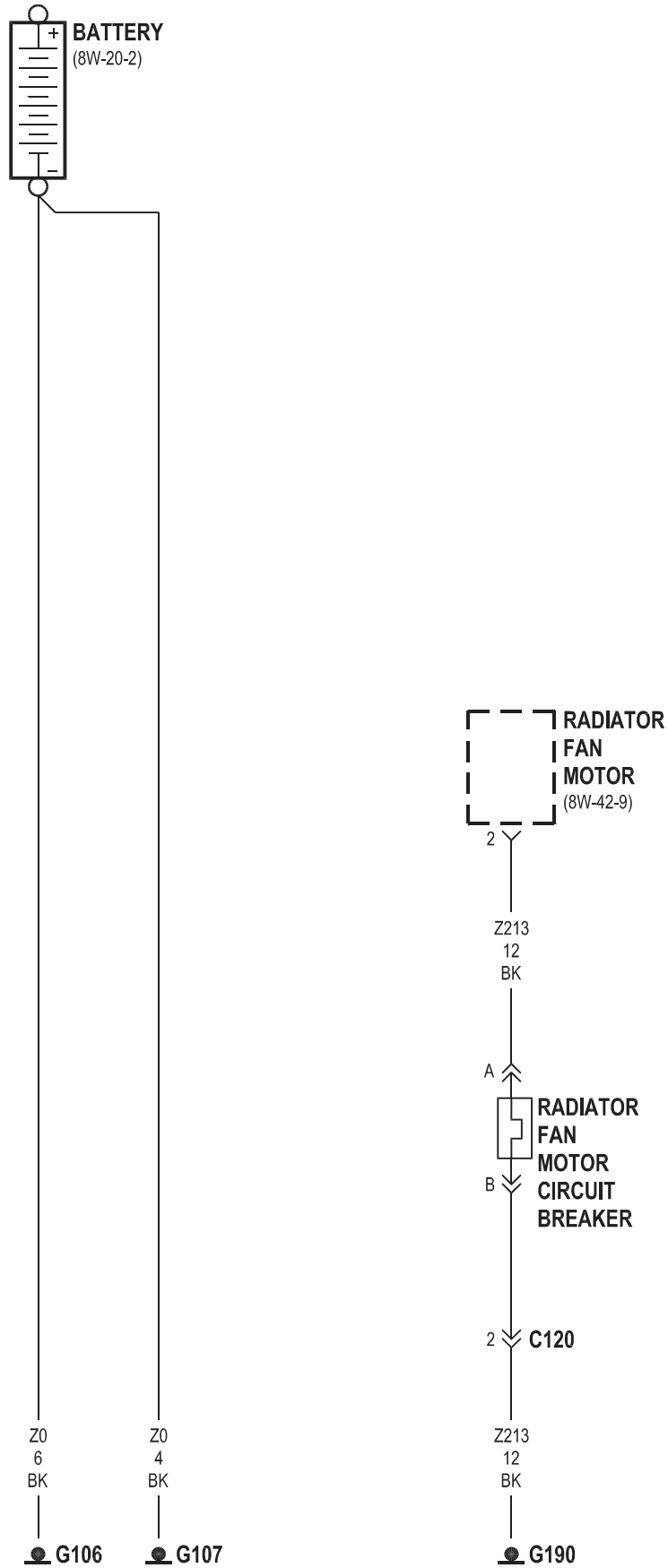
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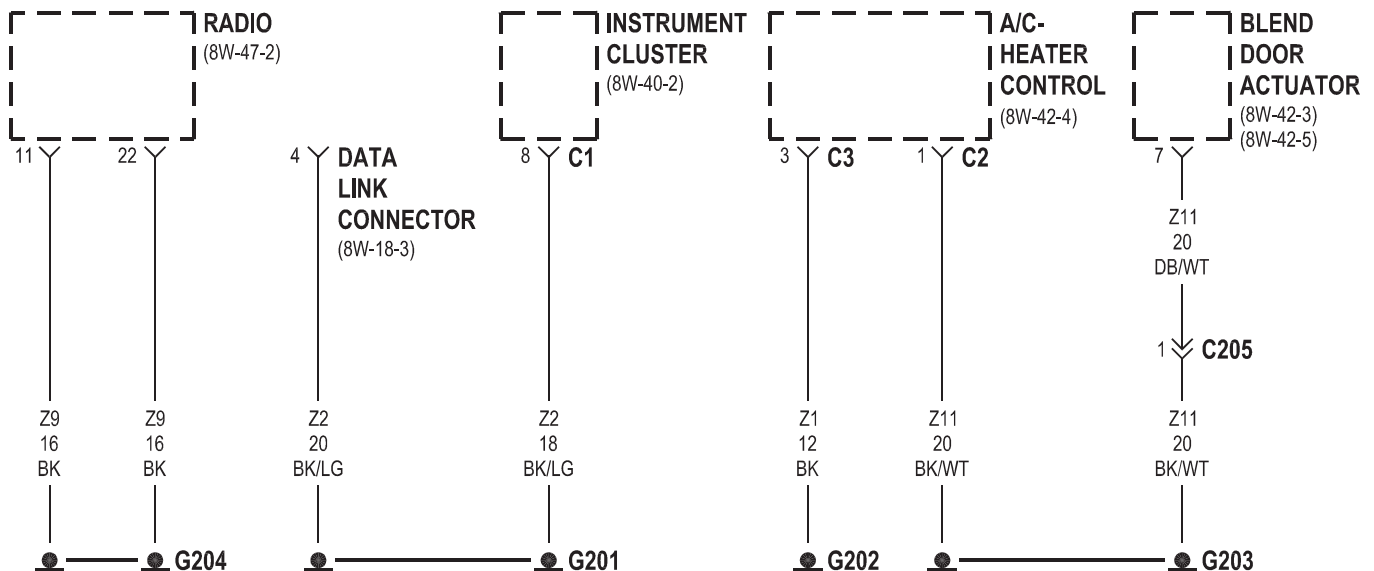
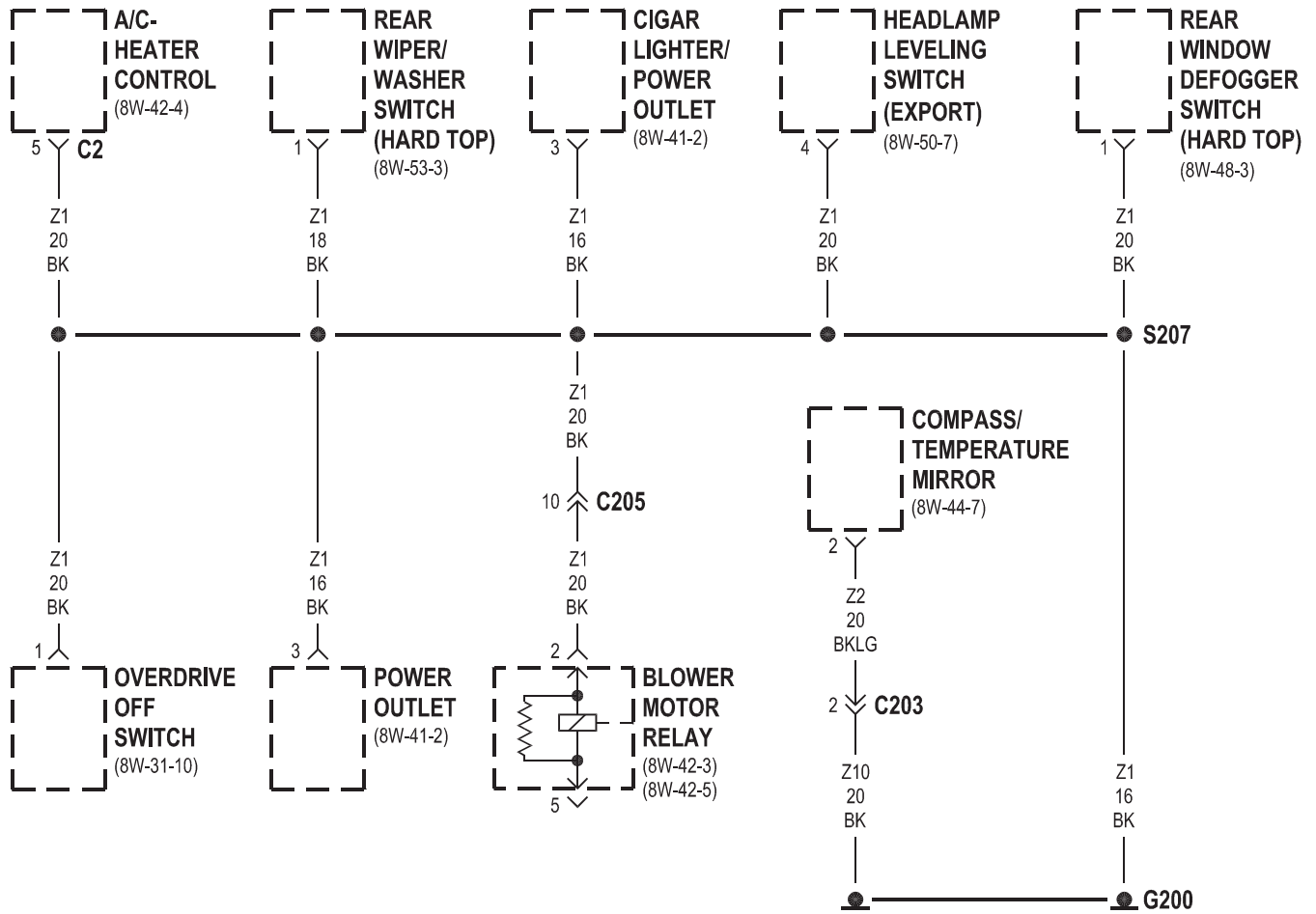


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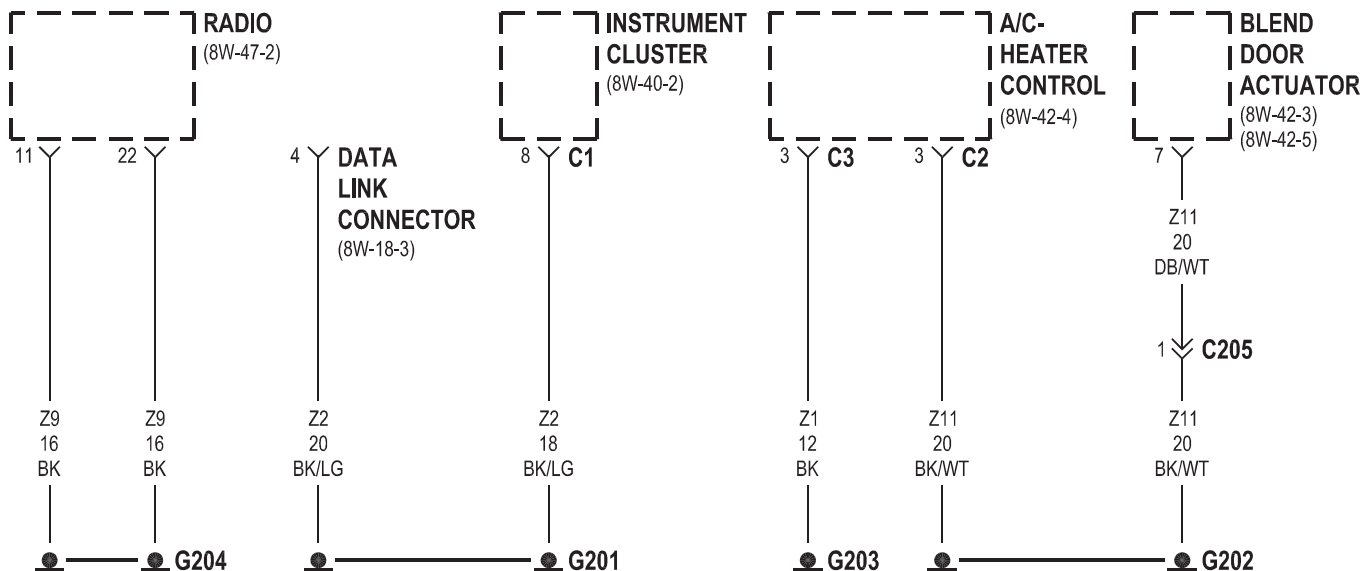
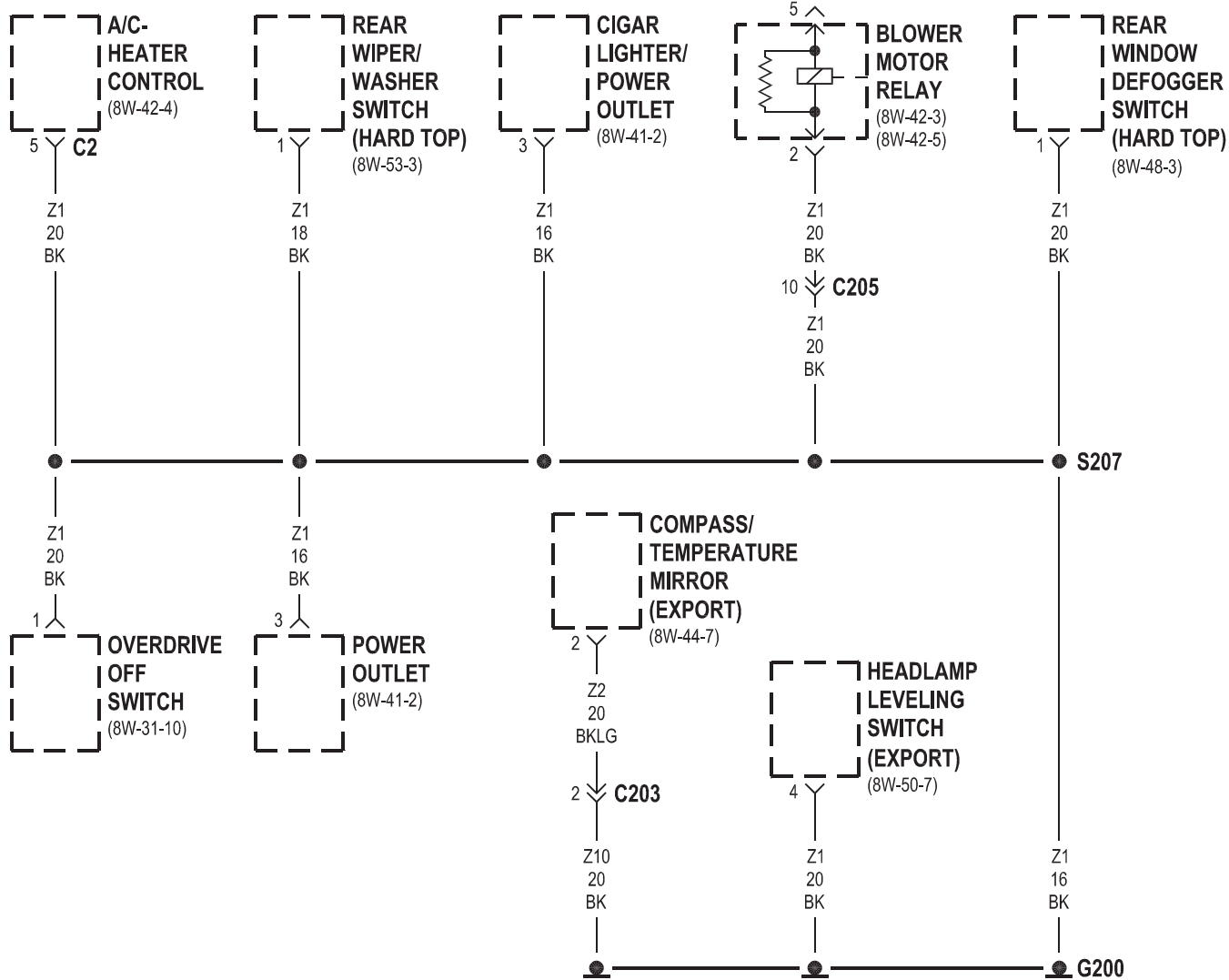
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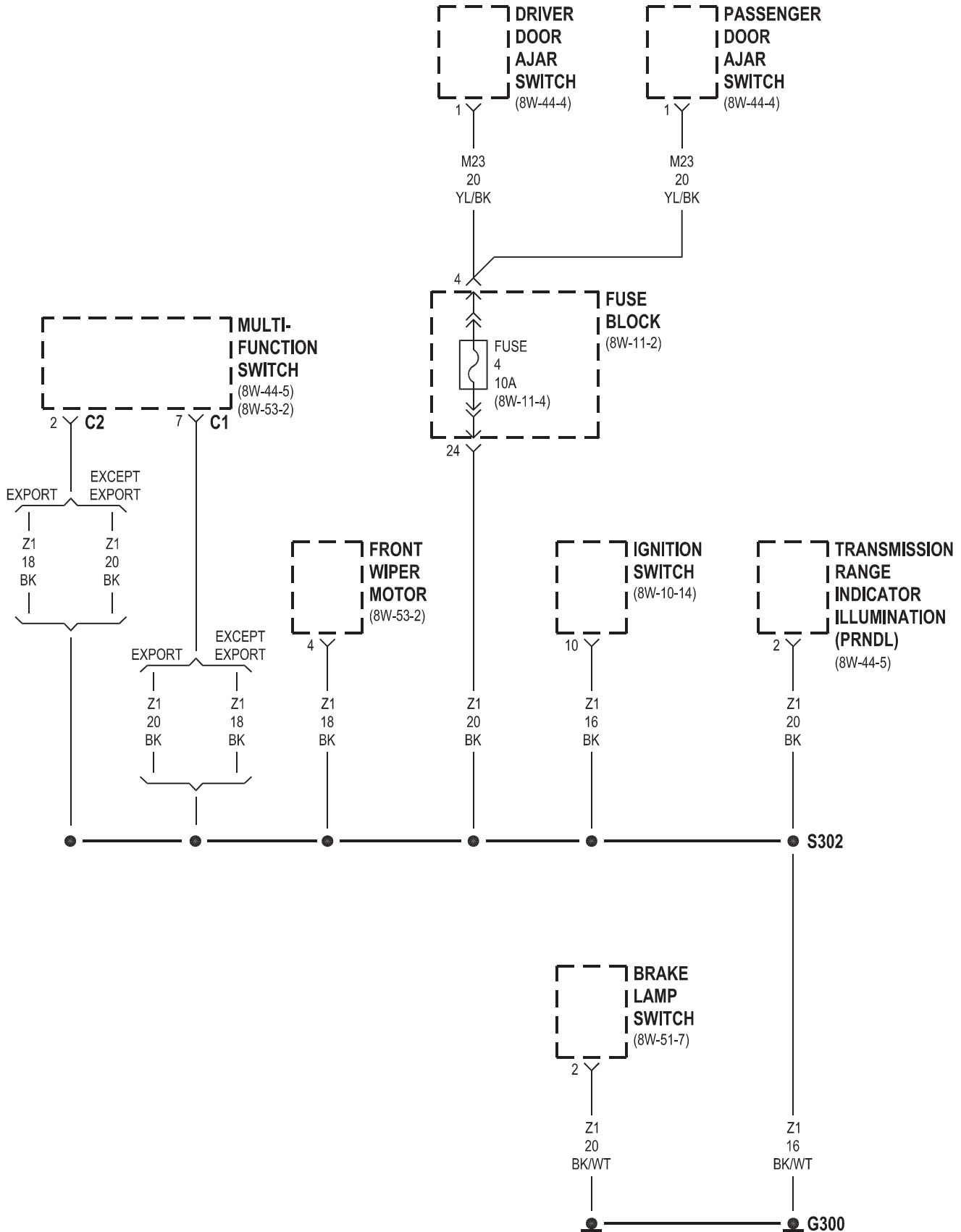


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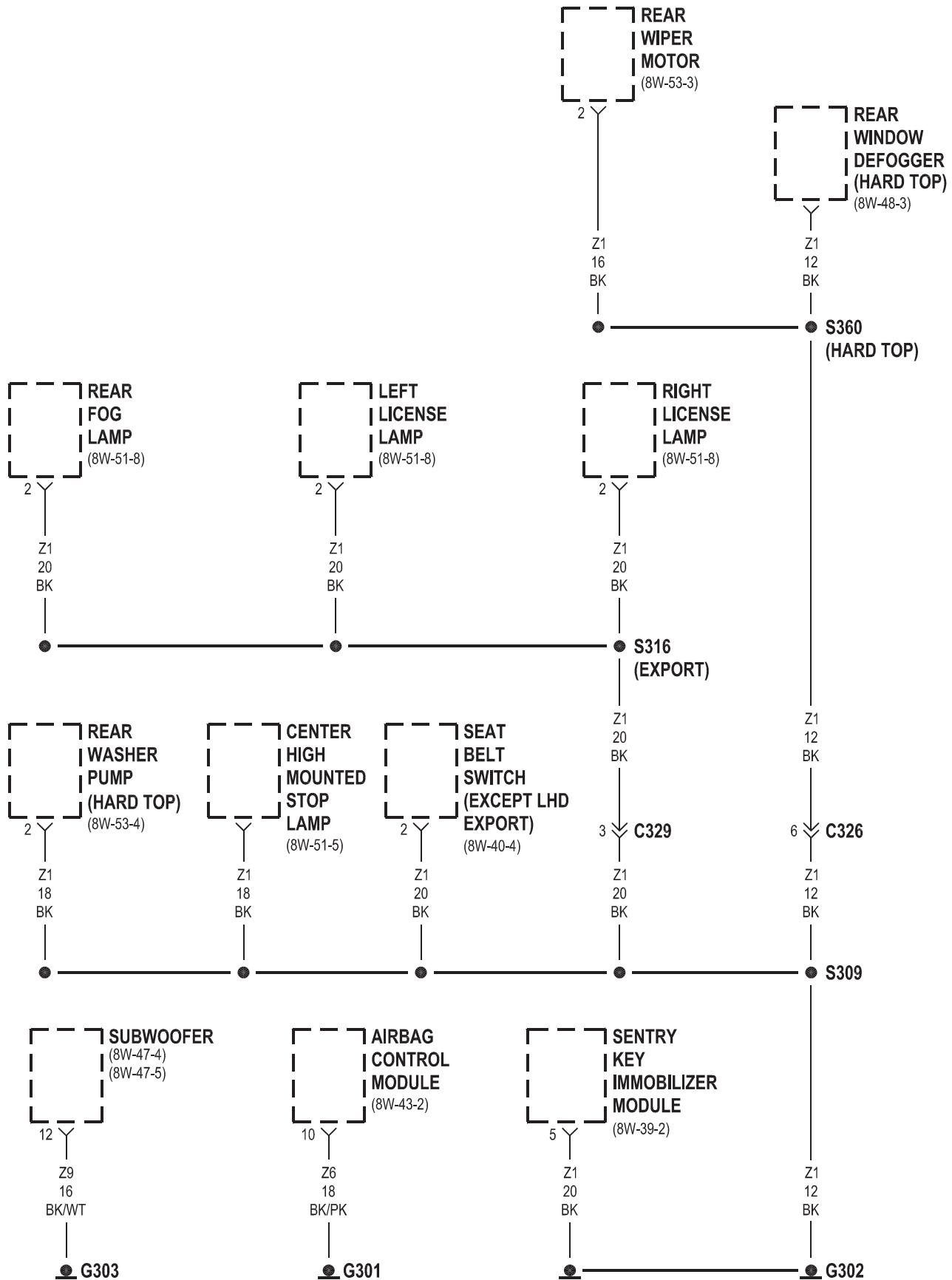
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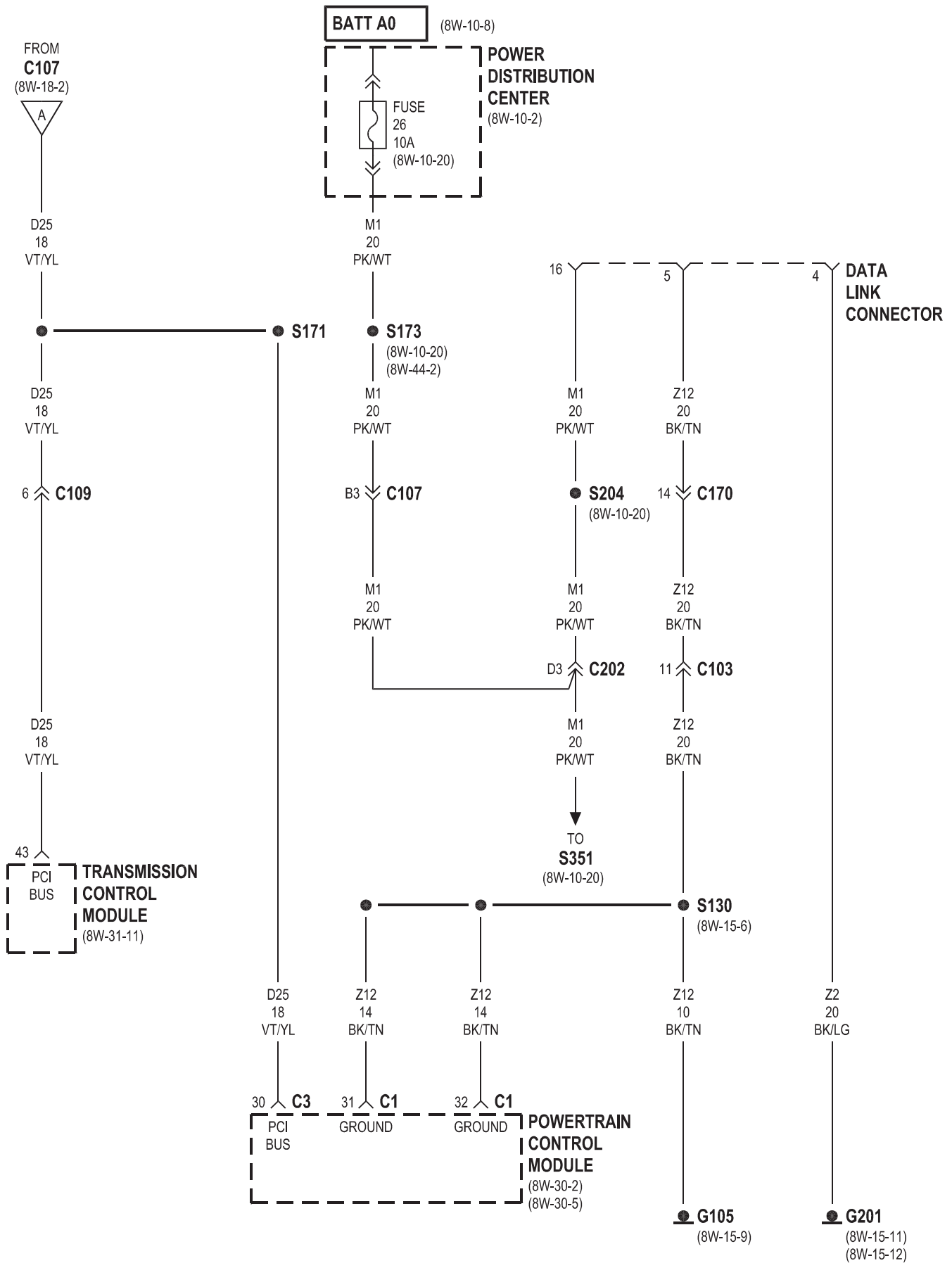
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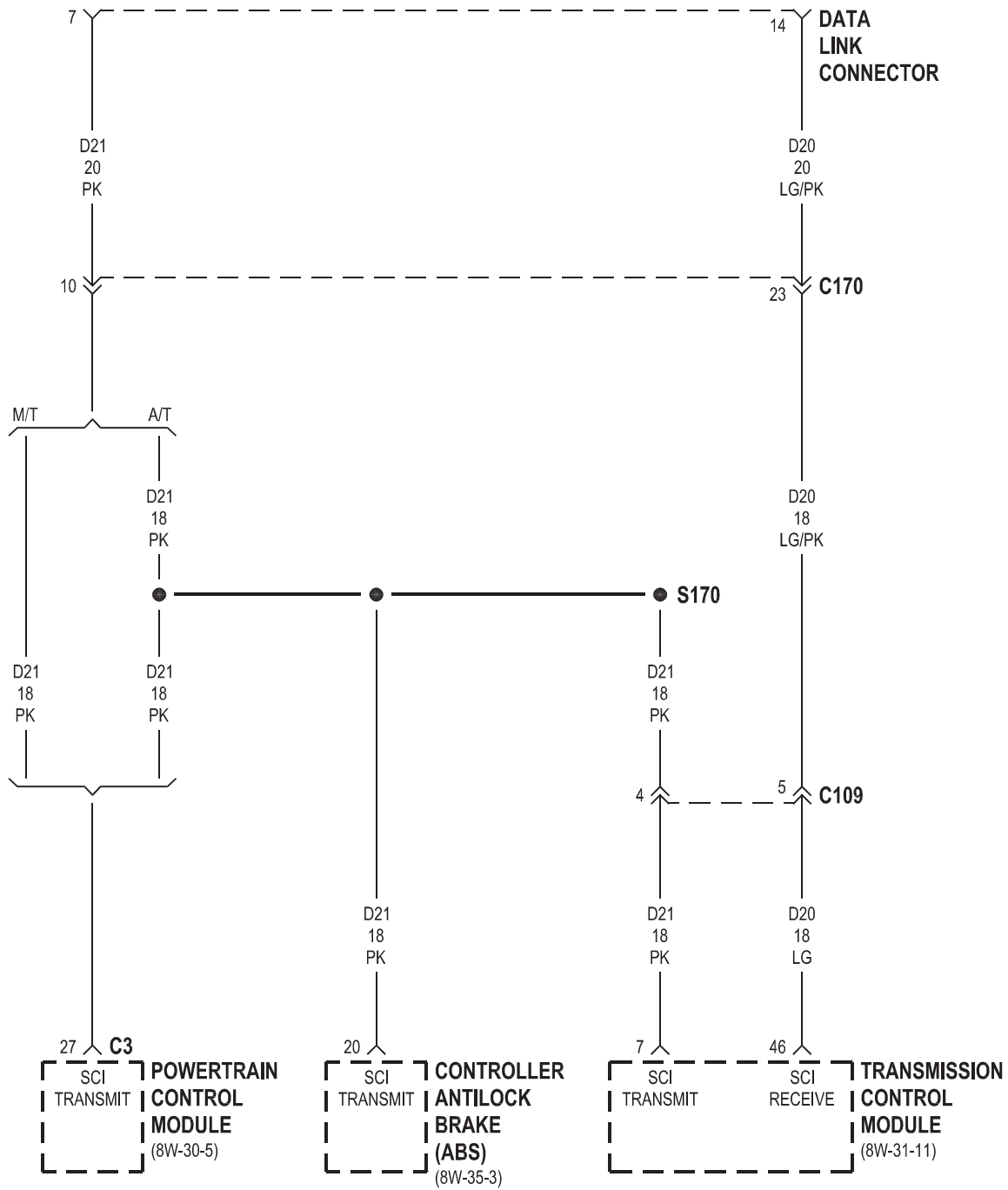
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8W-18 BUS COMMUNICATIONS

Component	Page	Component	Page
Airbag Control Module	8W-18-2	Instrument Cluster	8W-18-2
Controller Antilock Brake	8W-18-4	Power Distribution Center	8W-18-3
Data Link Connector	8W-18-2, 3, 4	Powertrain Control Module	8W-18-2, 3, 4
Fuse 26	8W-18-3	Radio	8W-18-2
G105	8W-18-3	Sentry Key Immobilizer Module	8W-18-2
G201	8W-18-3	Transmission Control Module	8W-18-3, 4



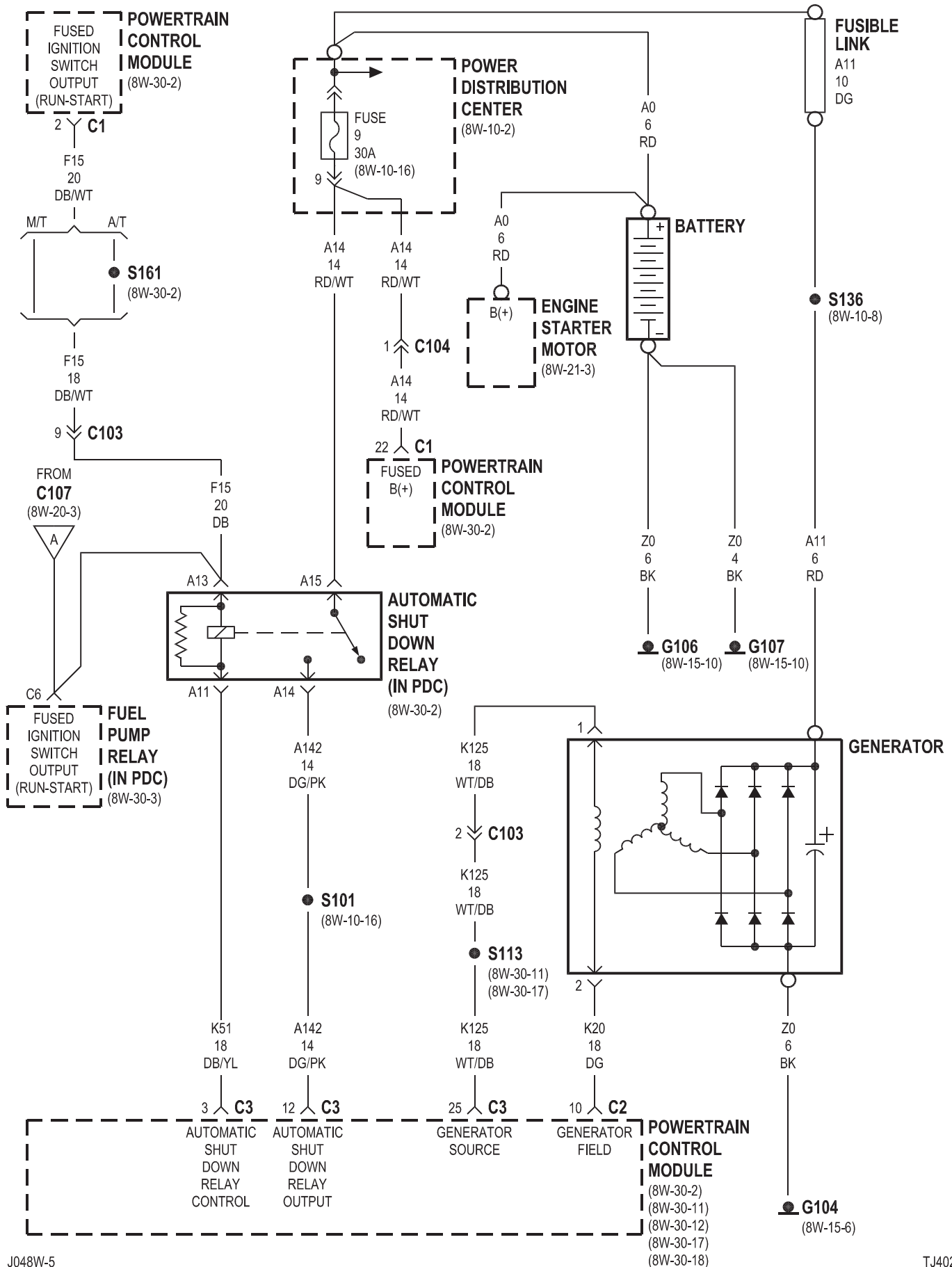
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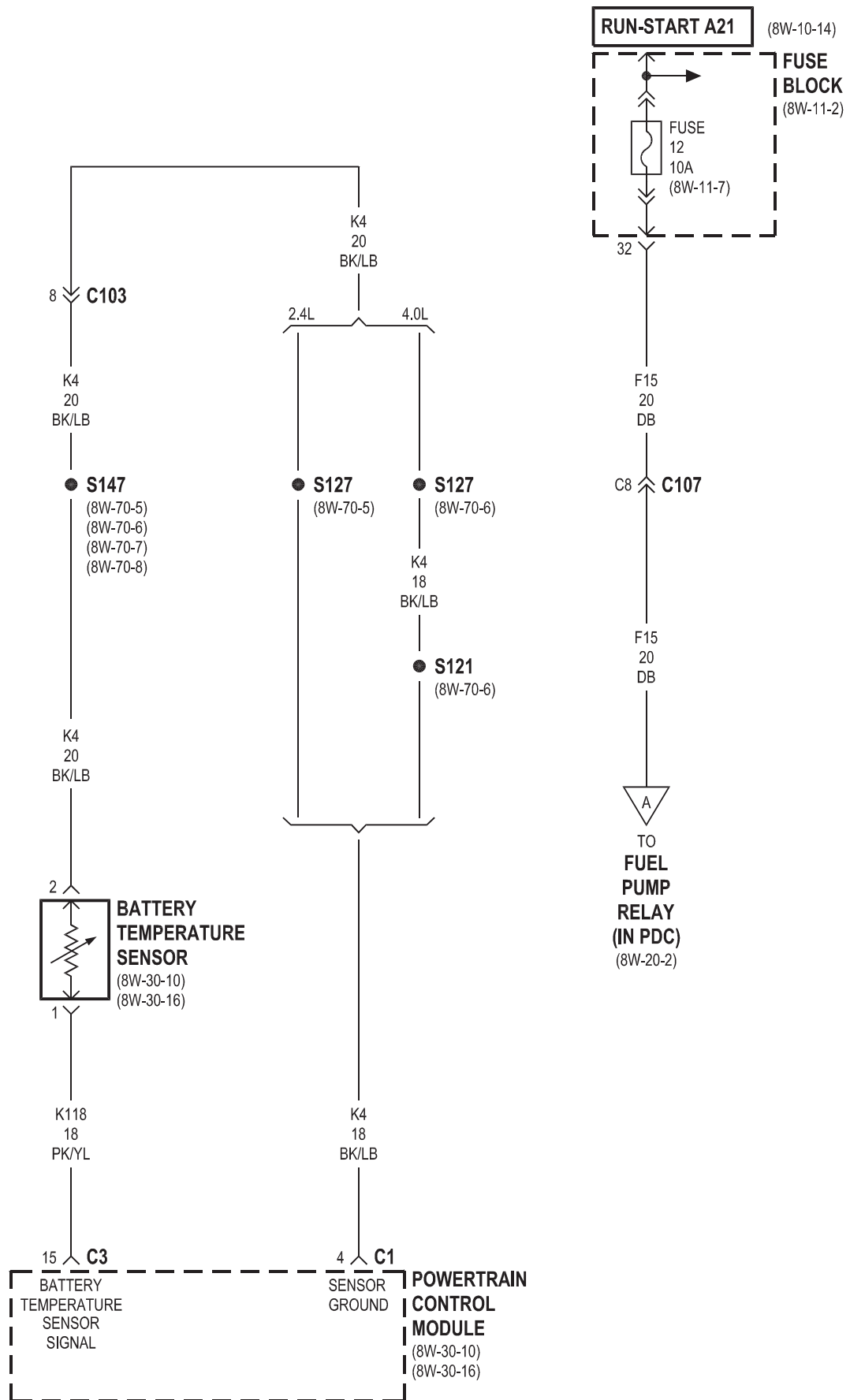
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8W-20 CHARGING SYSTEM

Component	Page	Component	Page
Automatic Shut Down Relay	8W-20-2	Fusible Link	8W-20-2
Battery	8W-20-2	G104	8W-20-2
Battery Temperature Sensor	8W-20-3	G106	8W-20-2
Engine Starter Motor	8W-20-2	G107	8W-20-2
Fuel Pump Relay	8W-20-2, 3	Generator	8W-20-2
Fuse 9	8W-20-2	Power Distribution Center	8W-20-2
Fuse 12	8W-20-3	Powertrain Control Module	8W-20-2, 3
Fuse Block	8W-20-3		



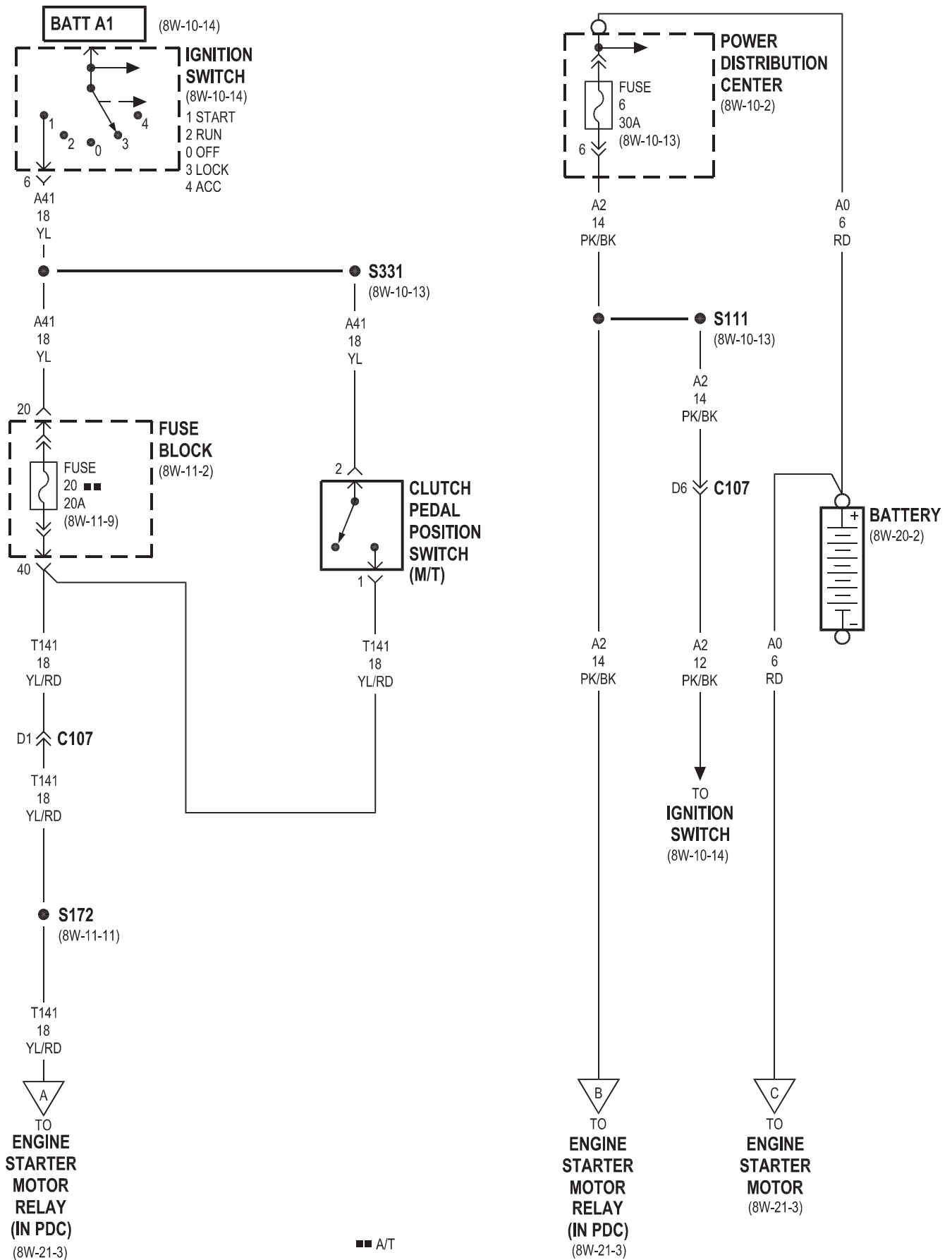
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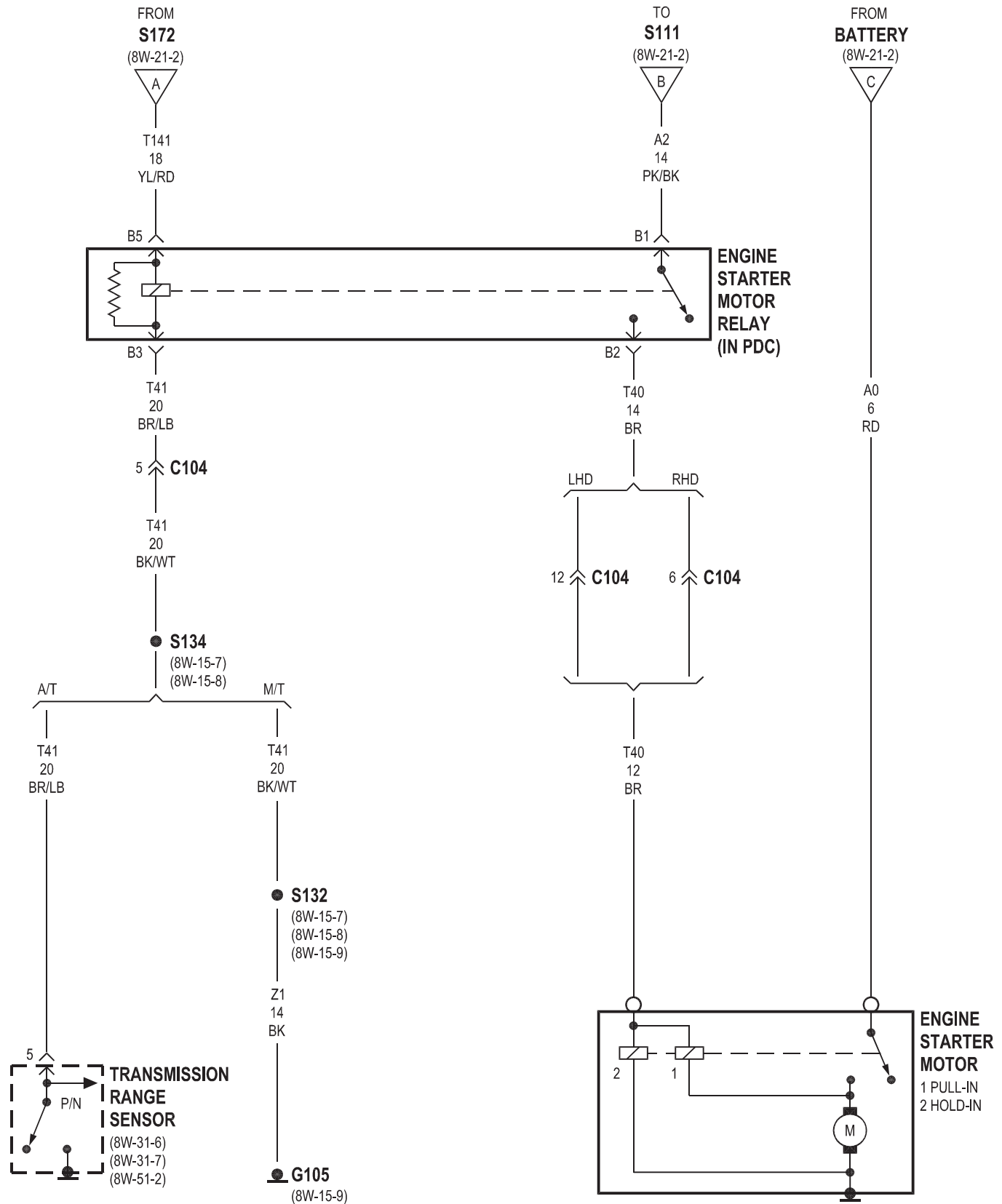
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8W-21 STARTING SYSTEM

Component	Page	Component	Page
Battery	8W-21-2, 3	Fuse Block	8W-21-2
Clutch Pedal Position Switch	8W-21-2	G105	8W-21-3
Engine Starter Motor	8W-21-2, 3	Ignition Switch	8W-21-2
Engine Starter Motor Relay	8W-21-2, 3	Power Distribution Center	8W-21-2
Fuse 6	8W-21-2	Transmission Range Sensor	8W-21-3
Fuse 20	8W-21-2		



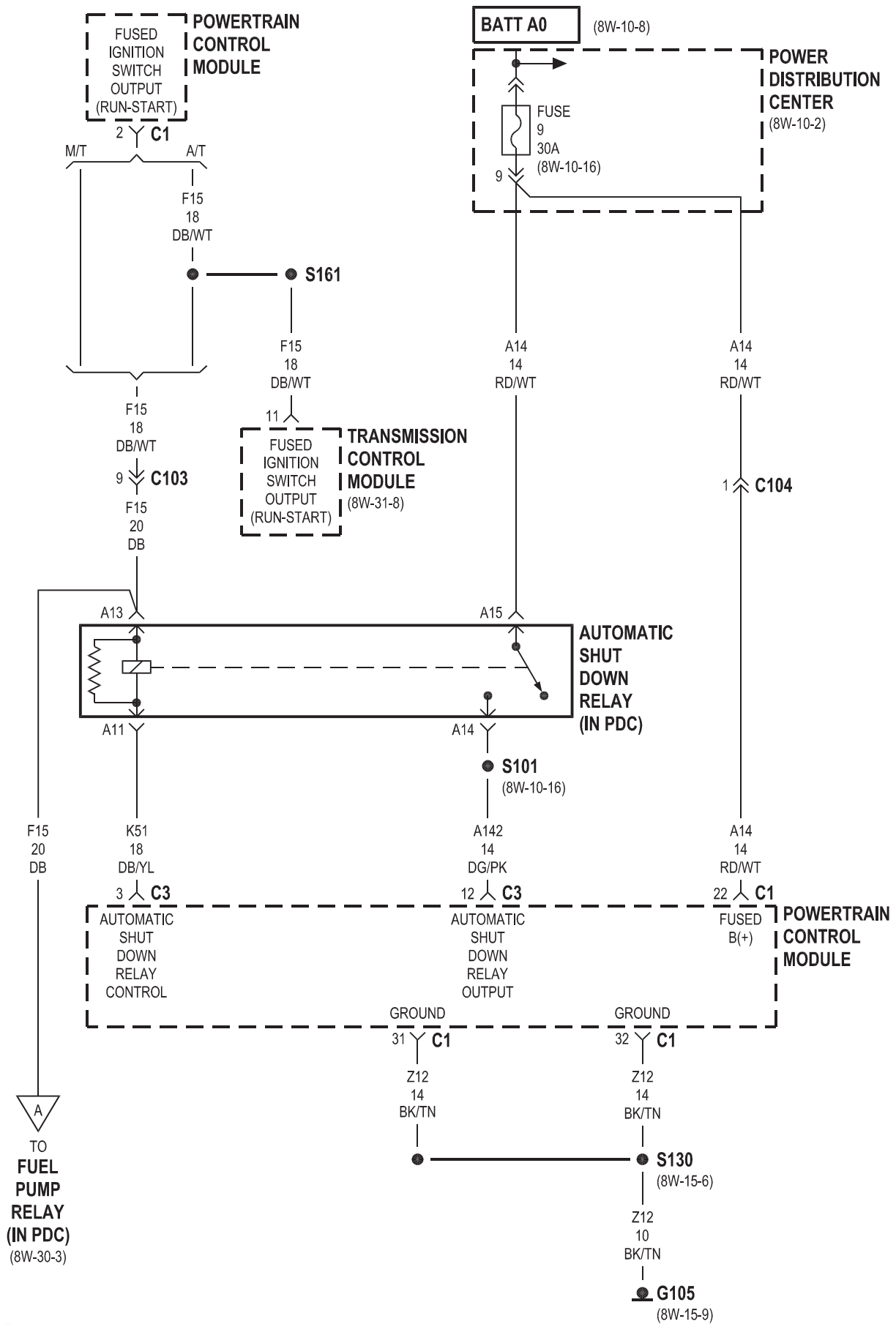
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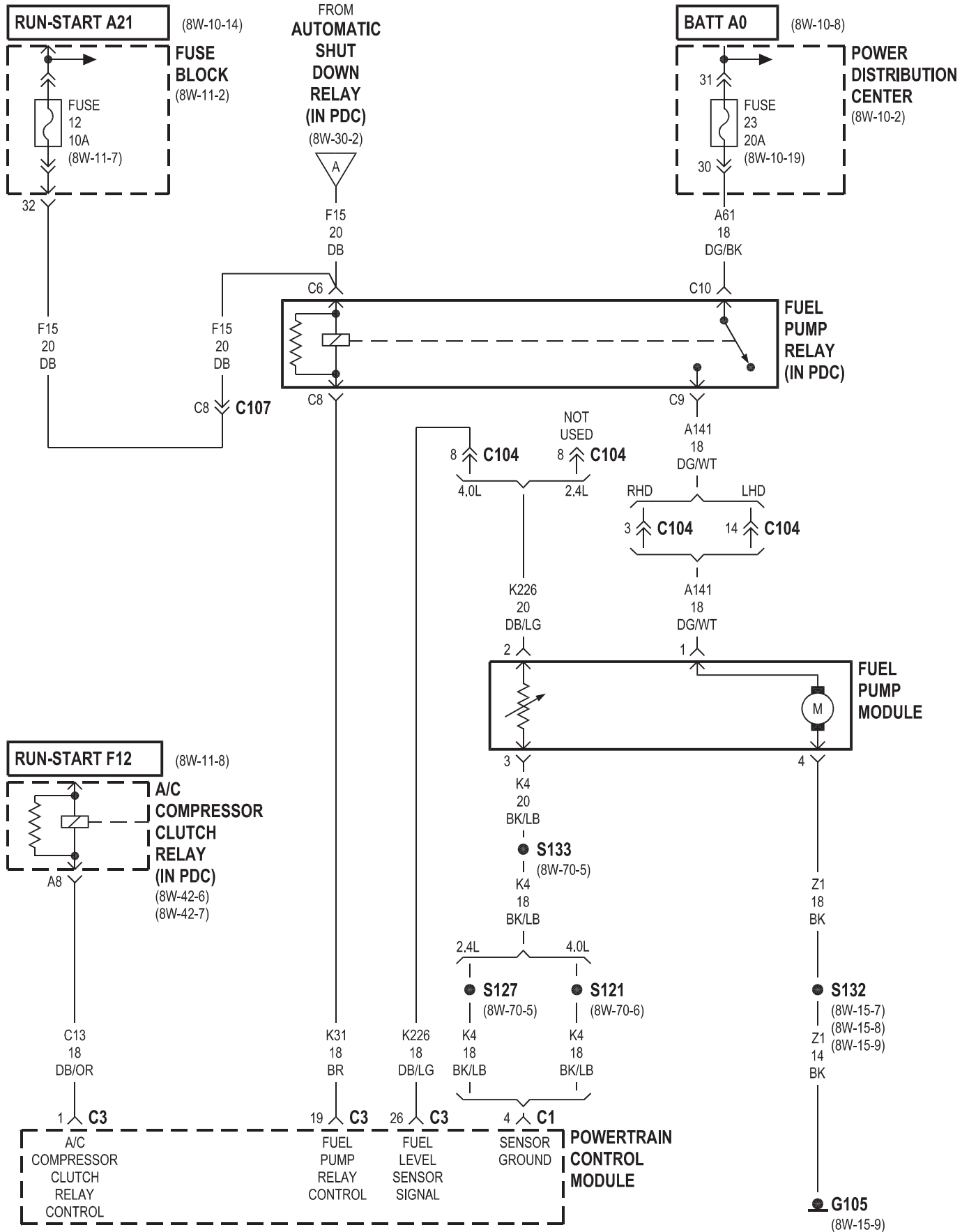
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8W-30 FUEL/IGNITION SYSTEM

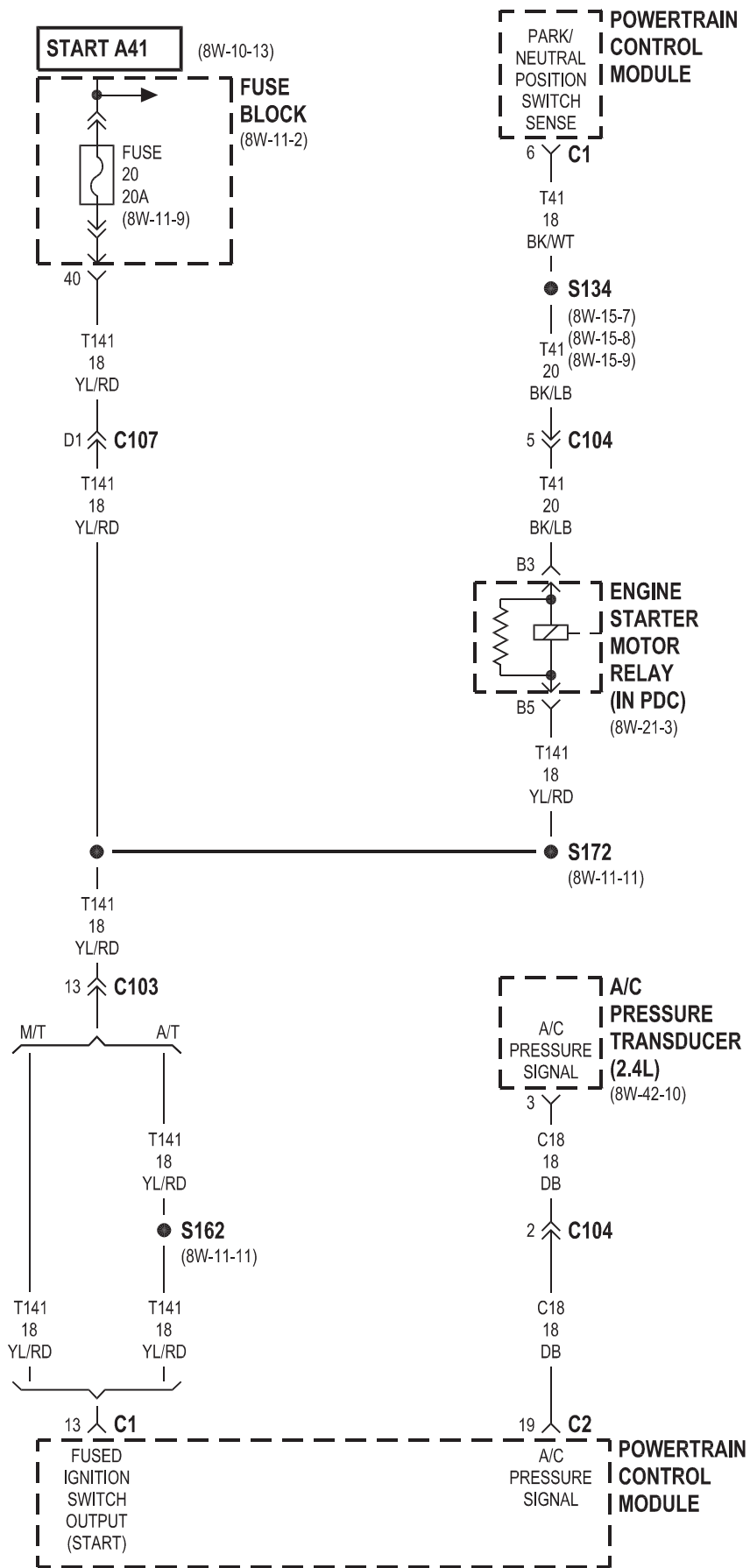
Component	Page	Component	Page
A/C Compressor Clutch Relay	8W-30-3	Fuse 16	8W-30-19, 21
A/C High Pressure Switch	8W-30-18	Fuse 20	8W-30-4
A/C Low Pressure Switch	8W-30-12, 18	Fuse 23	8W-30-3
A/C Pressure Transducer	8W-30-4	Fuse 28	8W-30-7, 8, 13, 14
A/C-Heater Control	8W-30-12, 18	Fuse Block	8W-30-3, 4, 11, 17, 20
Automatic Shut Down		G105	8W-30-2, 3, 12, 18, 24
Relay	8W-30-2, 3, 7, 8, 13, 14	G300	8W-30-12, 18
Battery Temperature Sensor	8W-30-10, 16	Generator	8W-30-11, 12, 17, 18
Brake Lamp Switch	8W-30-6, 12, 18	High Speed Radiator Fan Relay	8W-30-20
Brake Transmission Shift Interlock		Idle Air Control Motor	8W-30-11, 17
Solenoid	8W-30-12, 18	Ignition Coil Pack	8W-30-7, 13
Camshaft Position Sensor	8W-30-7, 13	Intake Air Temperature Sensor	8W-30-9, 15
Capacitor	8W-30-13	Leak Detection Pump	8W-30-11, 17
Clockspring	8W-30-6	Left Speed Control Switch	8W-30-6
Coil Capacitor	8W-30-7	Low Speed Radiator Fan Relay	8W-30-20
Crankshaft Position Sensor	8W-30-7, 13	Manifold Absolute Pressure Sensor	8W-30-9, 15
Data Link Connector	8W-30-5	Oxygen Sensor 1/1 Upstream	8W-30-19, 22, 23
Daytime Running Lamp Module	8W-30-10, 16	Oxygen Sensor 1/2 Downstream	8W-30-19, 22, 24
Engine Coolant Temperature Sensor	8W-30-9, 15	Oxygen Sensor 2/1 Upstream	8W-30-23
Engine Oil Pressure Sensor	8W-30-15	Oxygen Sensor 2/2 Downstream	8W-30-24
Engine Oil Pressure Switch	8W-30-9	Oxygen Sensor Downstream Heater	
Engine Starter Motor Relay	8W-30-4	Relay	8W-30-21, 22, 23, 24
EVAP/Purge Solenoid	8W-30-11, 17	Power Distribution	
Fuel Injector No. 1	8W-30-8, 14	Center	8W-30-2, 3, 7, 8, 13, 14, 19, 20, 21
Fuel Injector No. 2	8W-30-8, 14	Power Steering Pressure Switch	8W-30-12
Fuel Injector No. 3	8W-30-8, 14	Powertrain Control Module	8W-30-2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
Fuel Injector No. 4	8W-30-8, 14	Speed Control Servo	8W-30-6
Fuel Injector No. 5	8W-30-14	Throttle Position Sensor	8W-30-10, 16
Fuel Injector No. 6	8W-30-14	Transfer Case Switch	8W-30-15
Fuel Pump Module	8W-30-3	Transmission Control Module	8W-30-2, 5
Fuel Pump Relay	8W-30-2, 3	Transmission Range Sensor	8W-30-12, 18
Fuse 4	8W-30-20	Vehicle Speed Sensor	8W-30-10, 16
Fuse 7	8W-30-20		
Fuse 9	8W-30-2		
Fuse 11	8W-30-11, 17		
Fuse 12	8W-30-3		



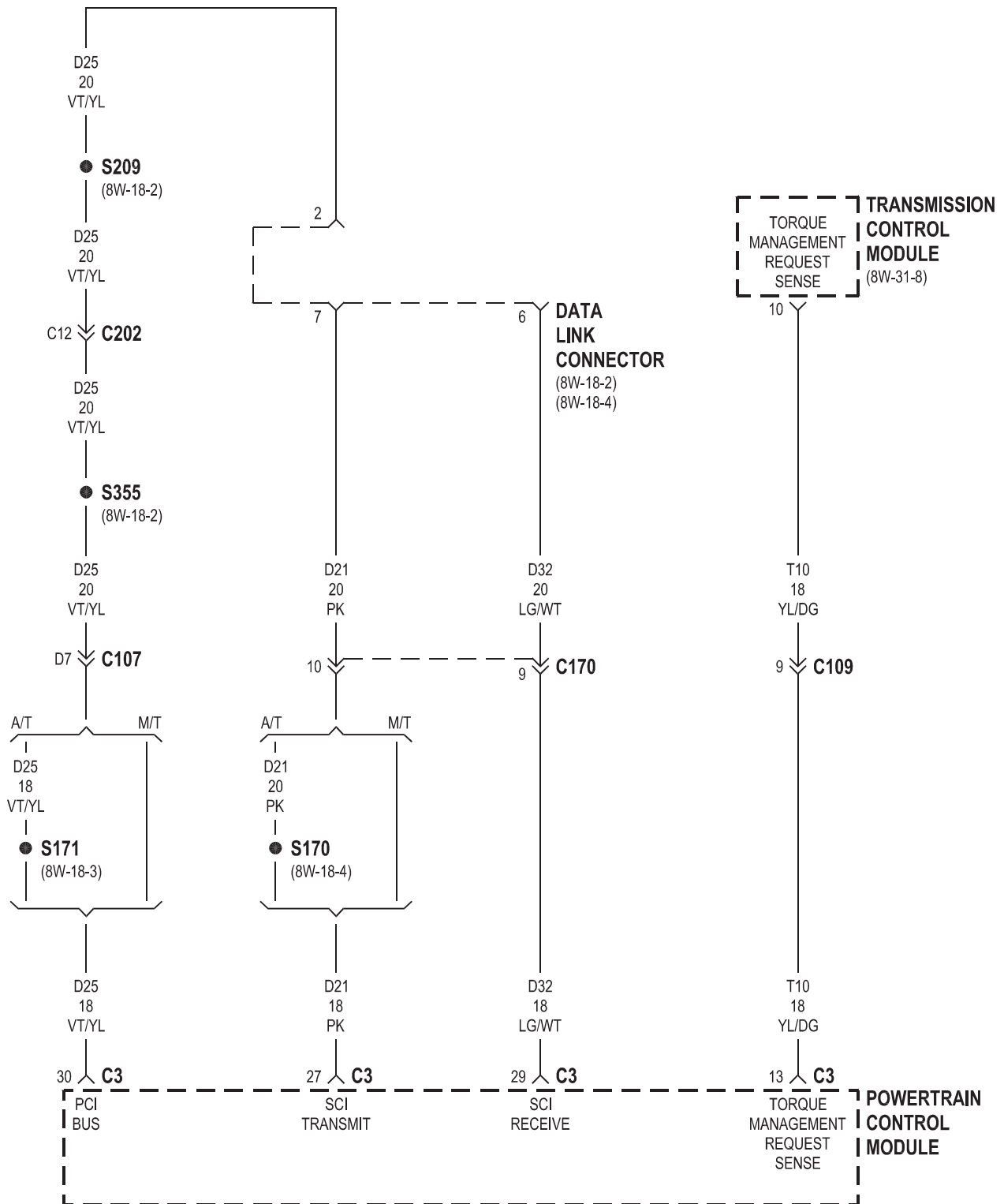
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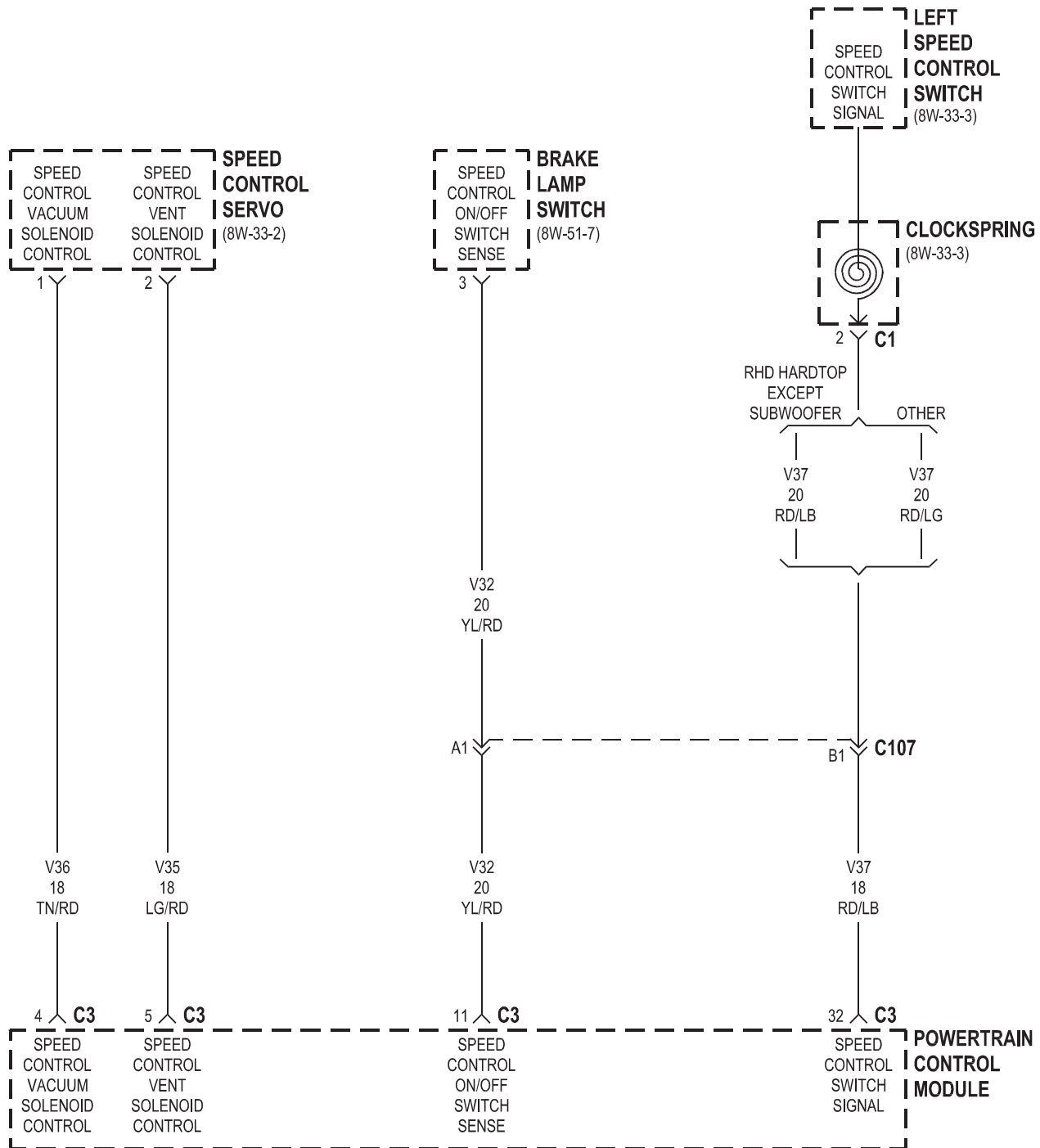
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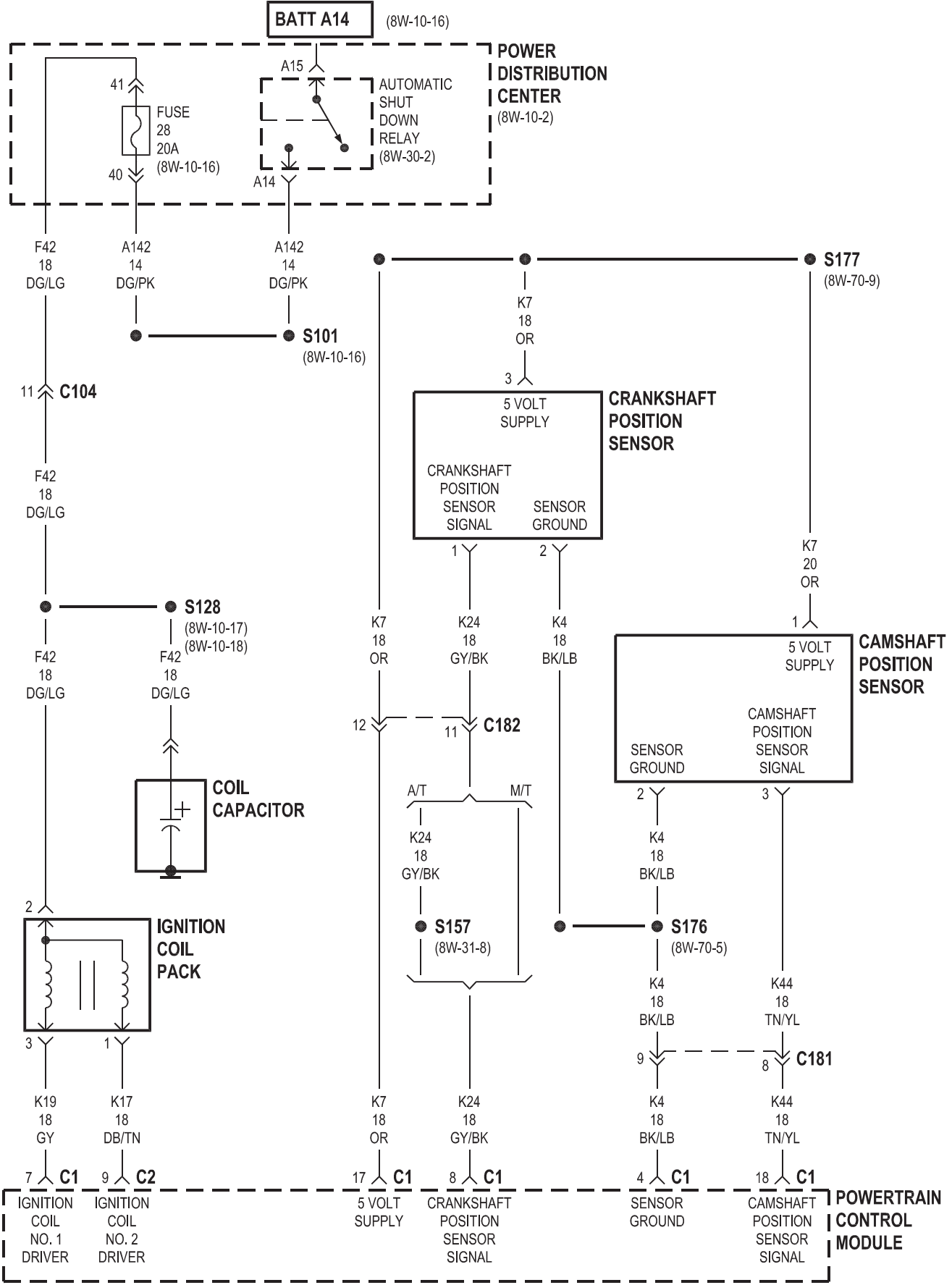
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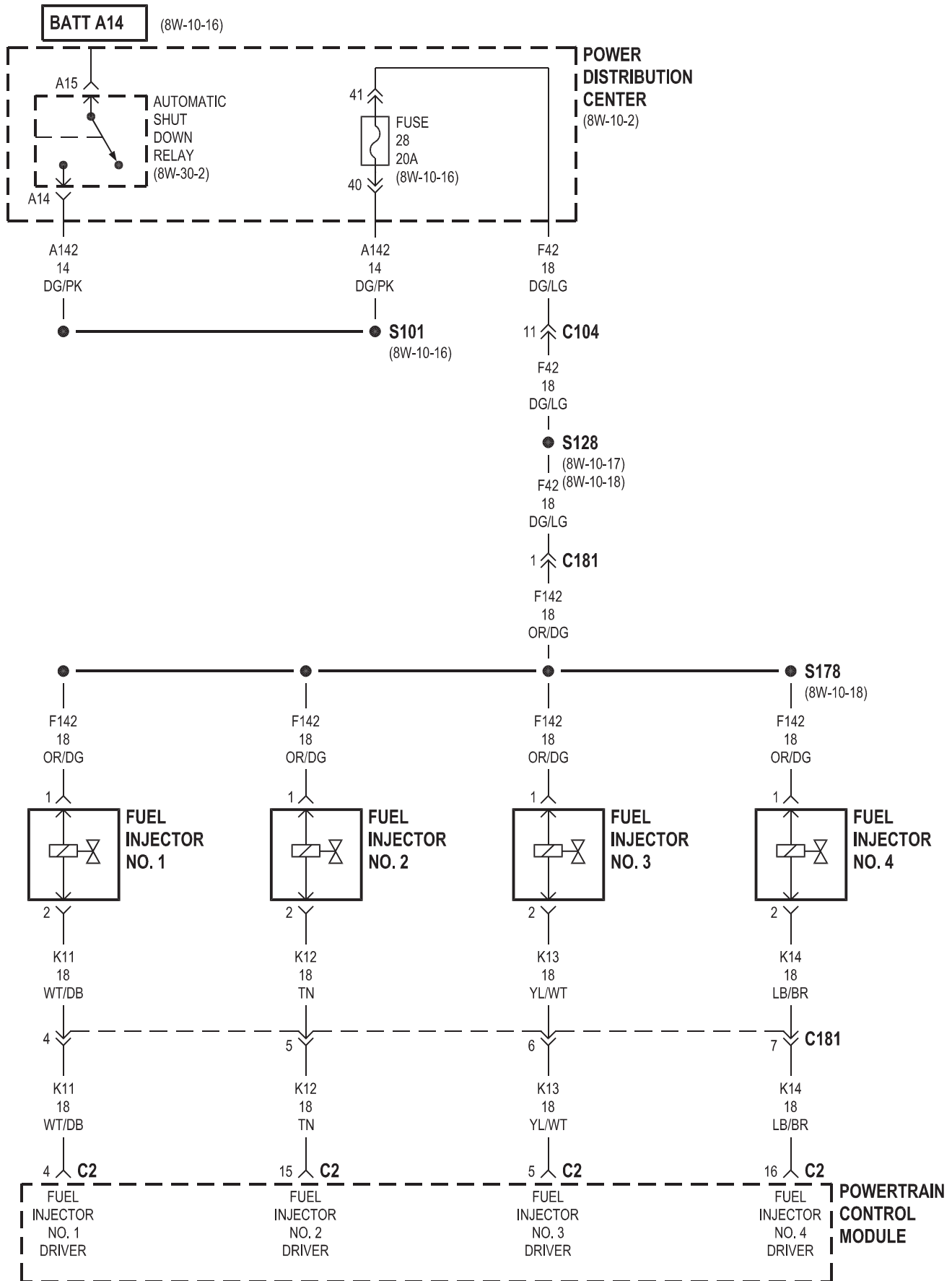


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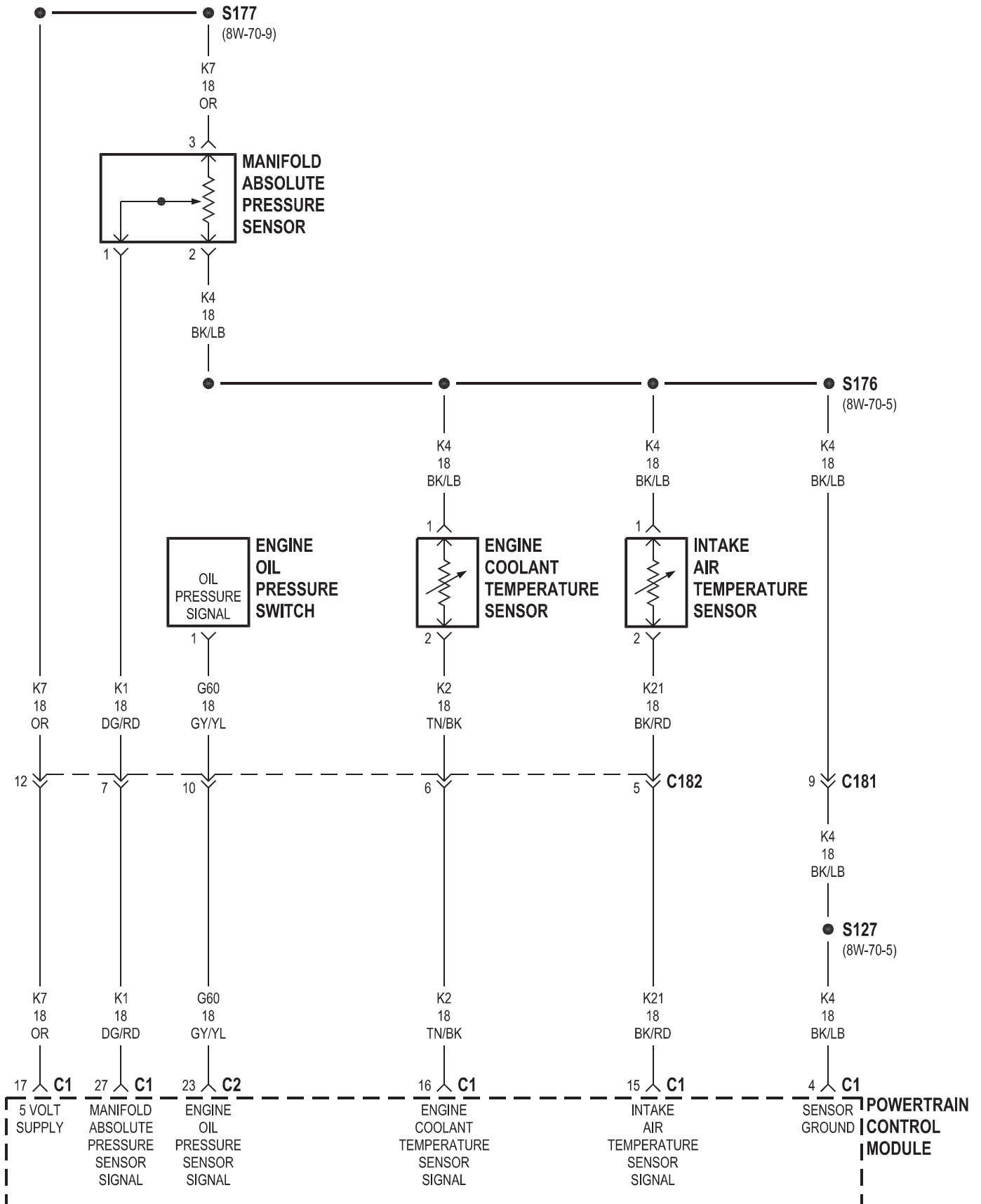


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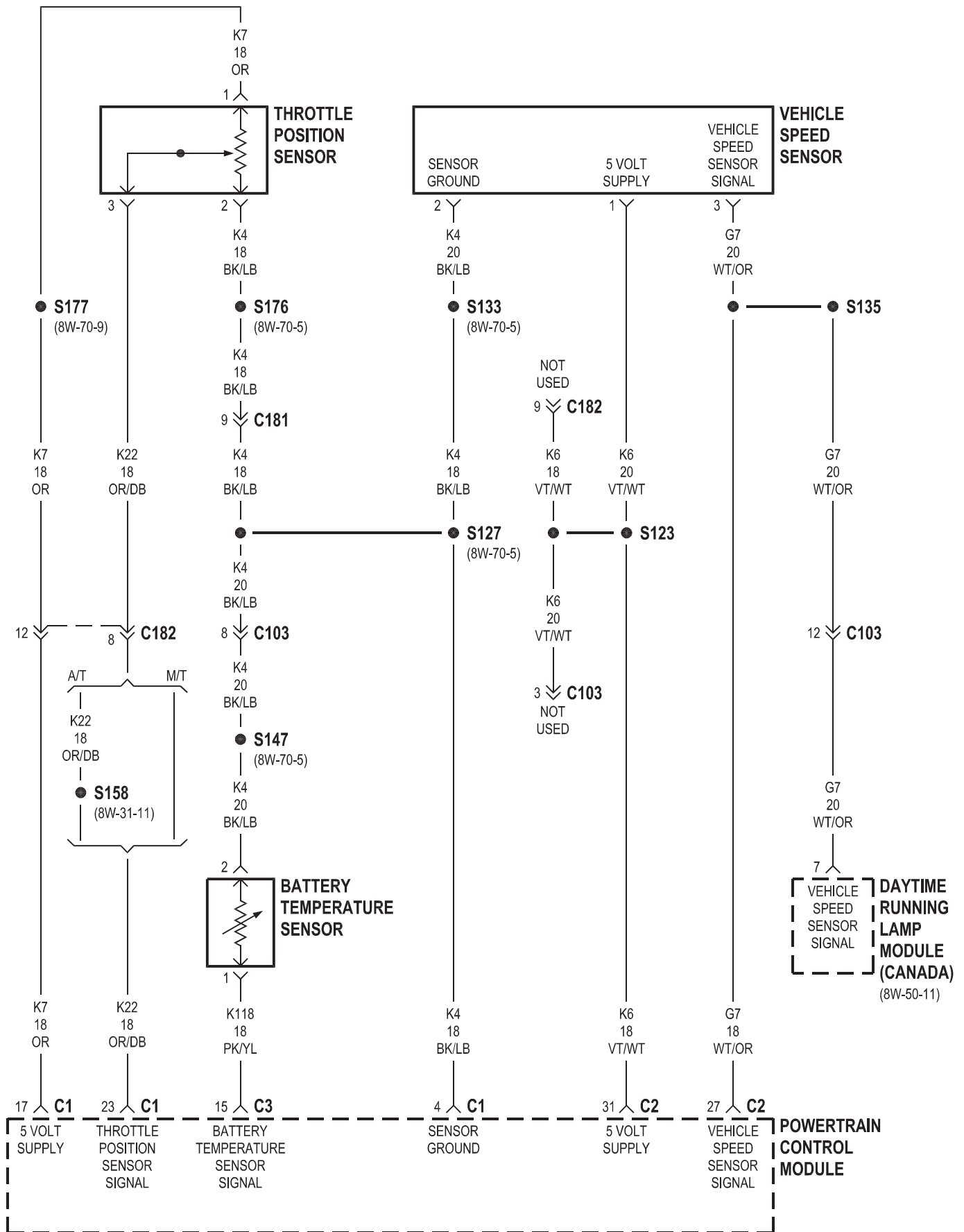


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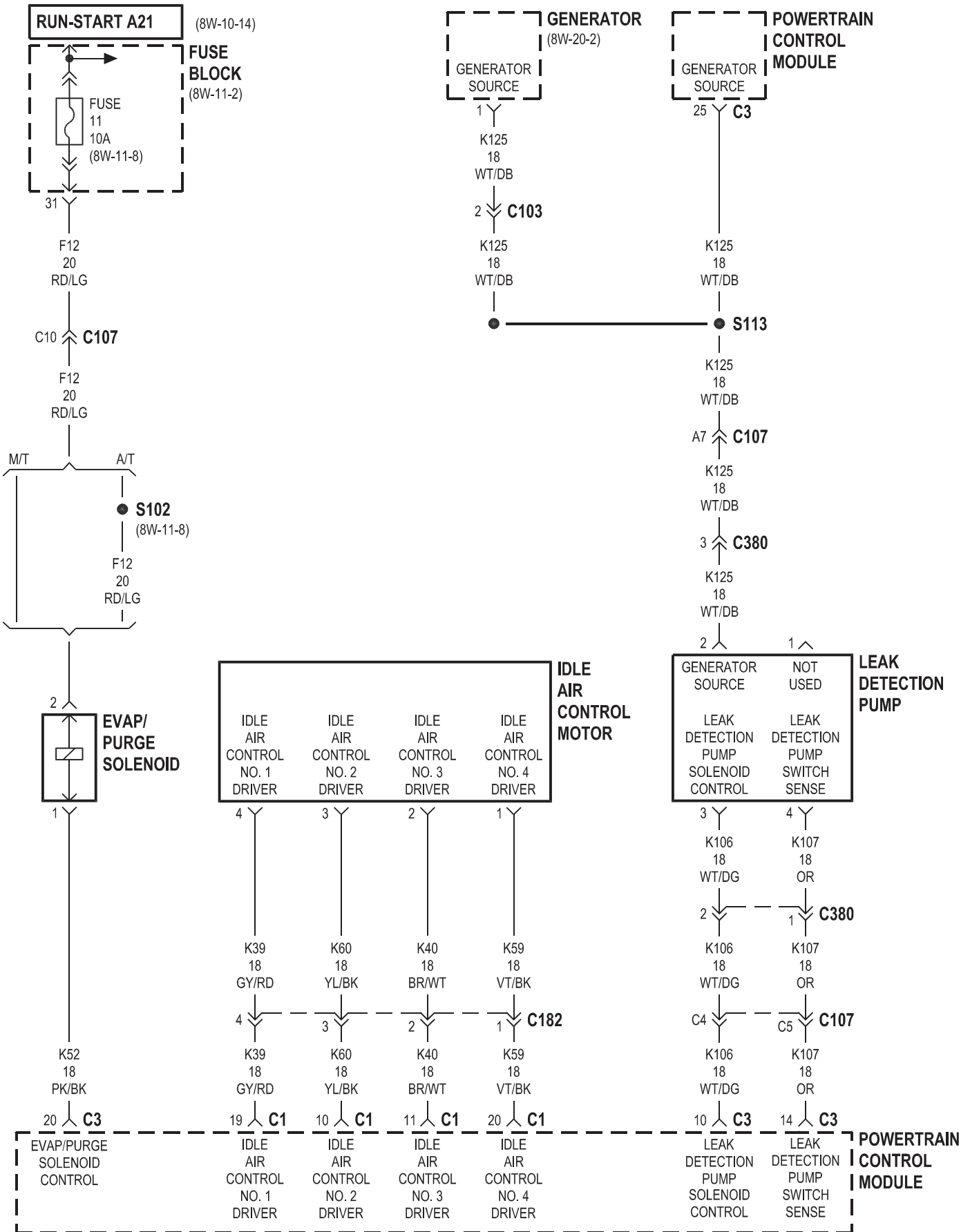
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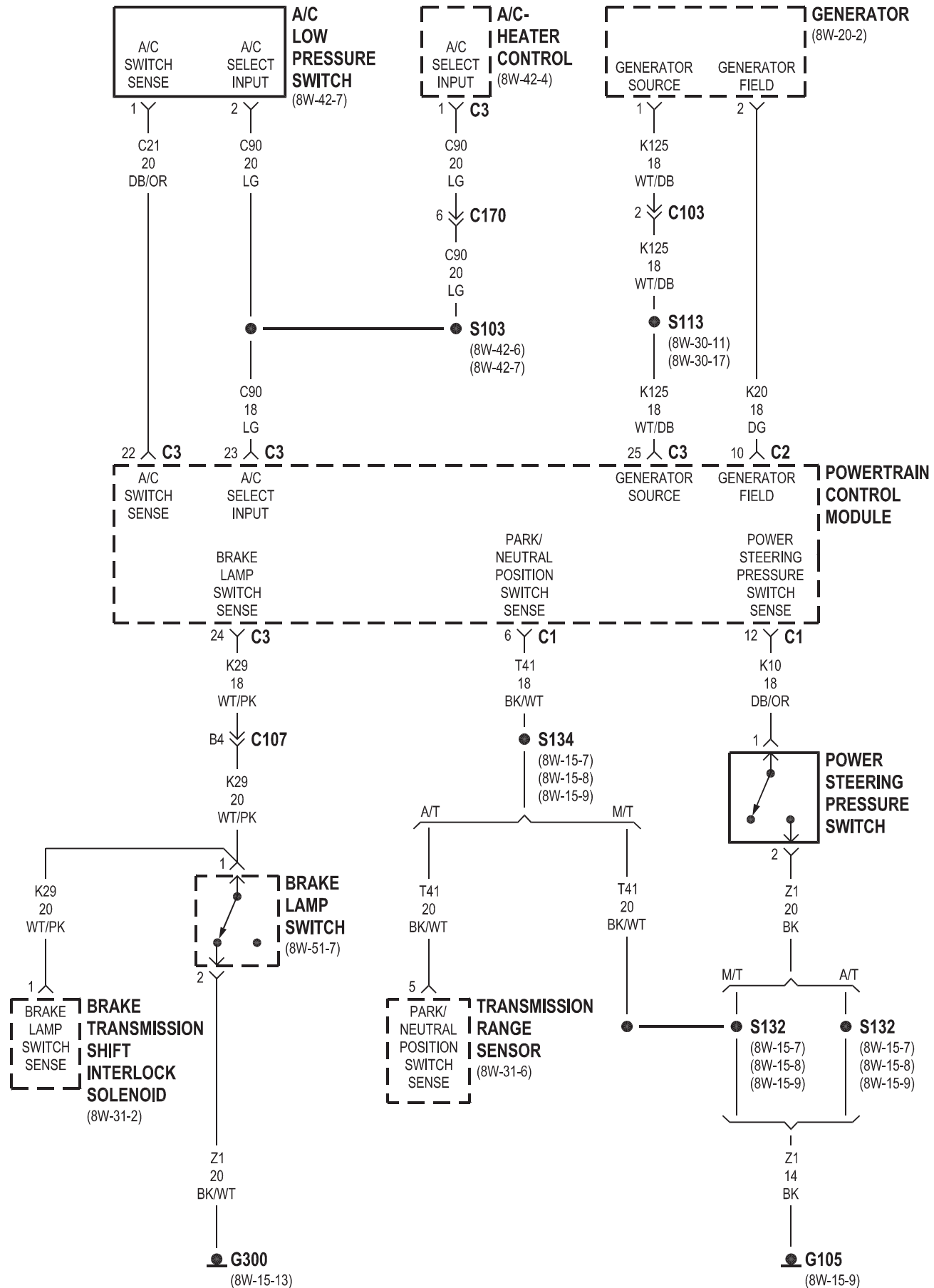
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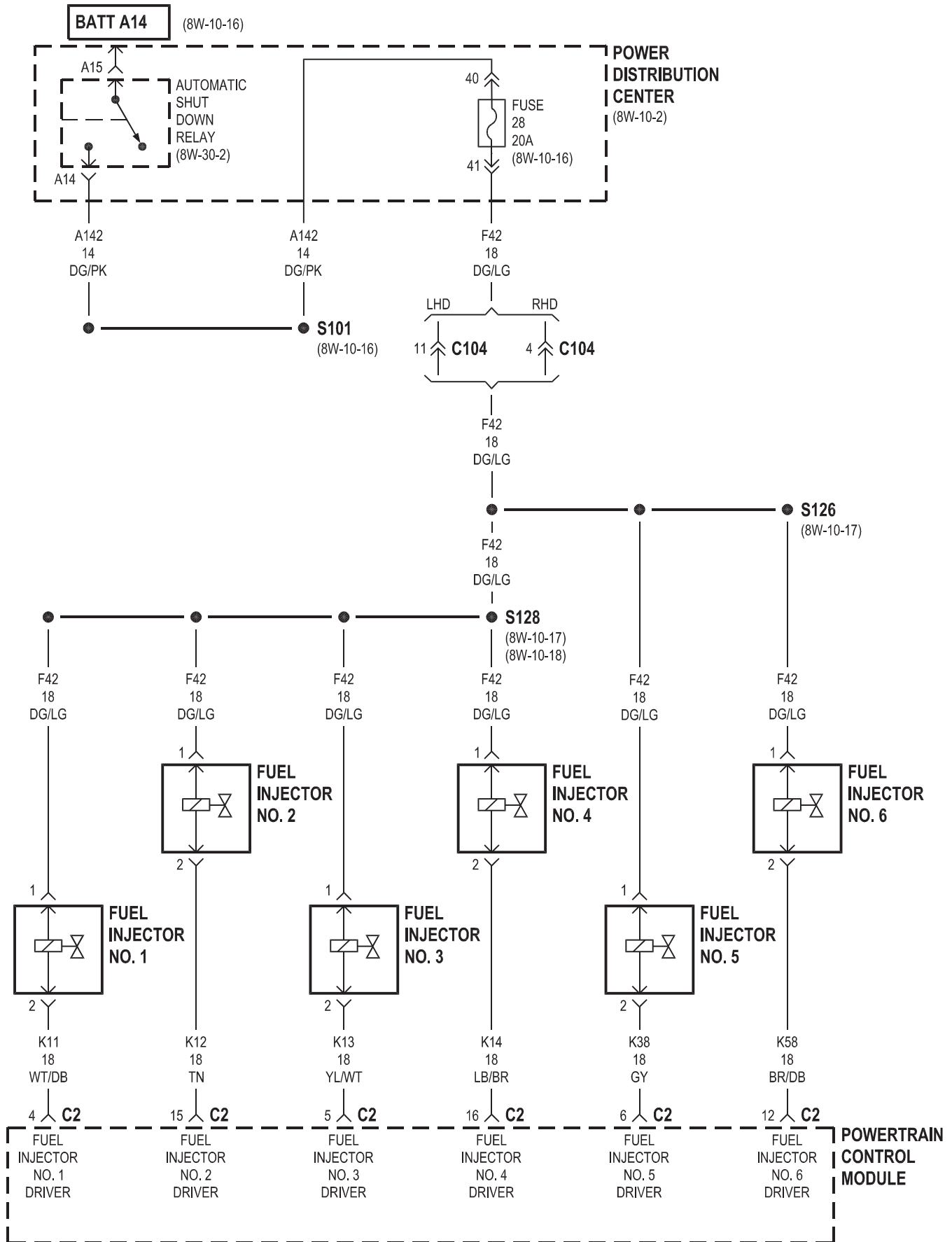
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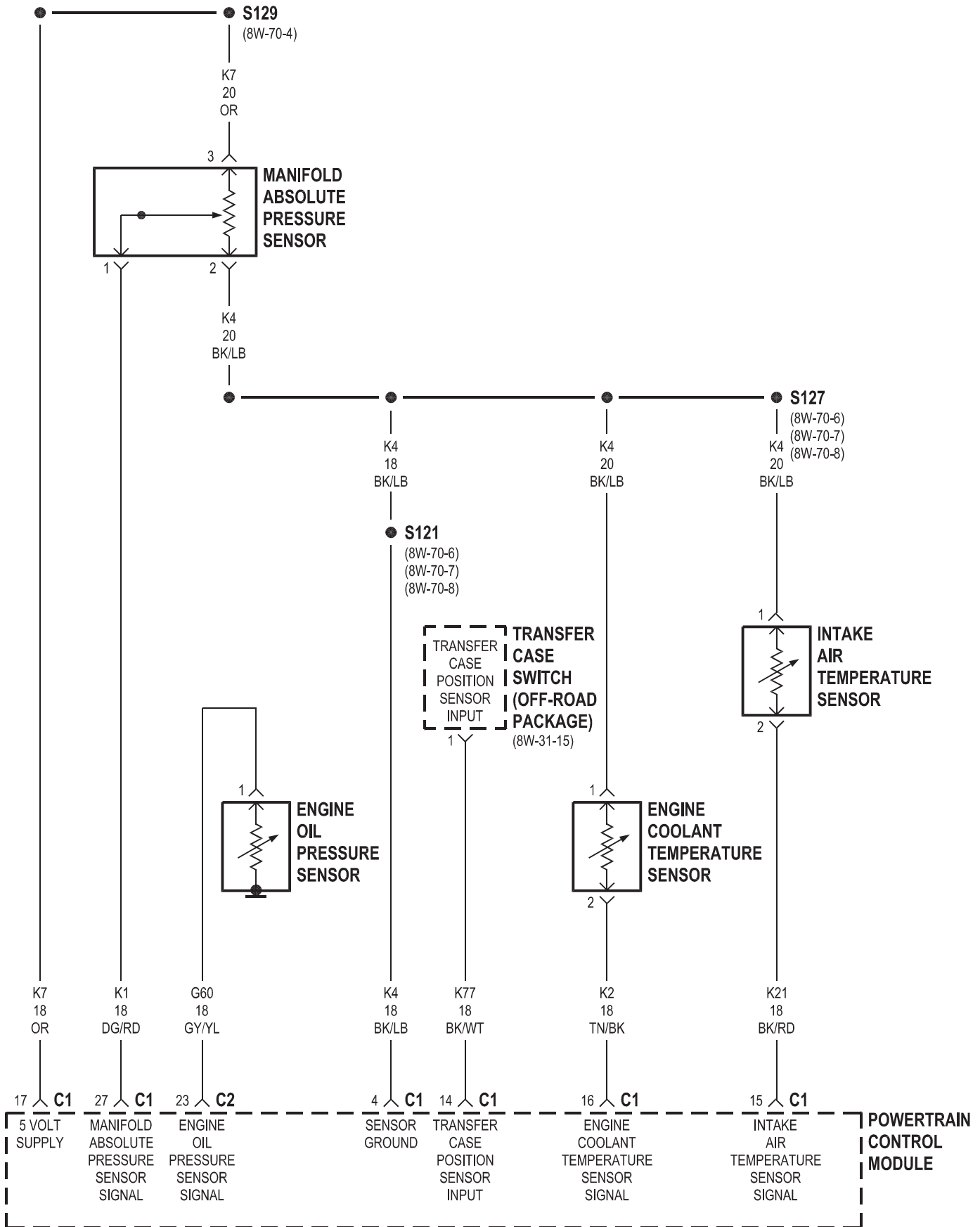


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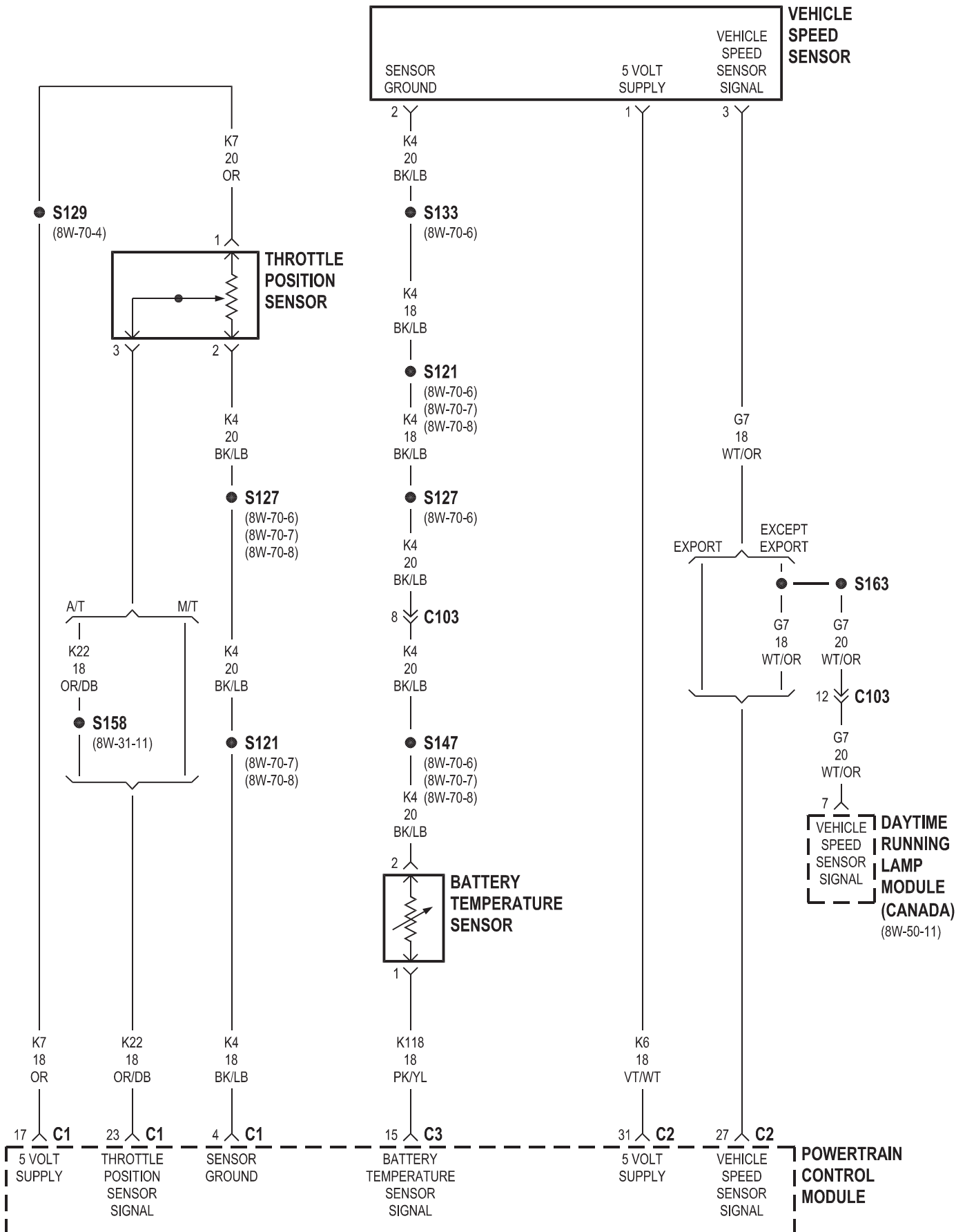


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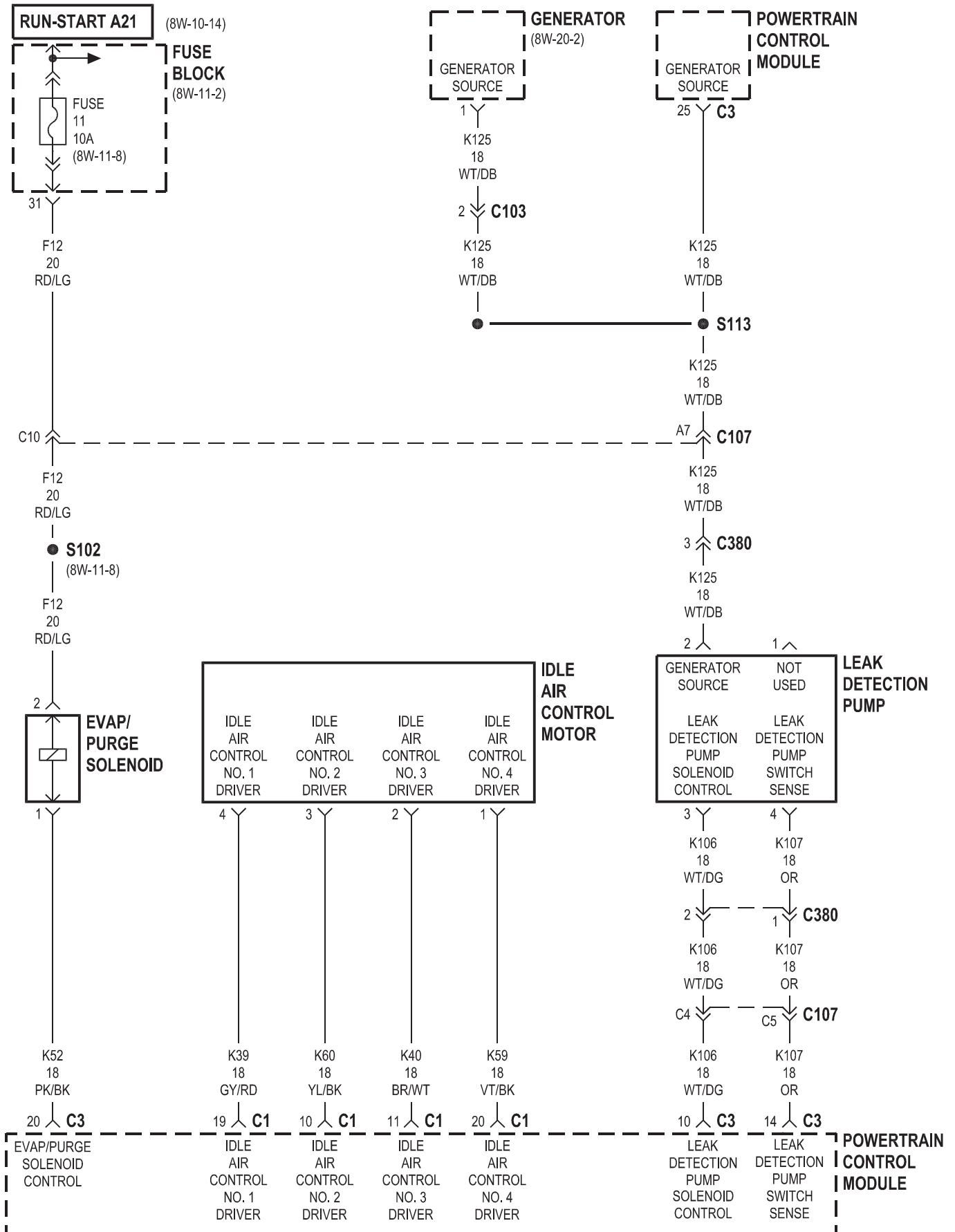
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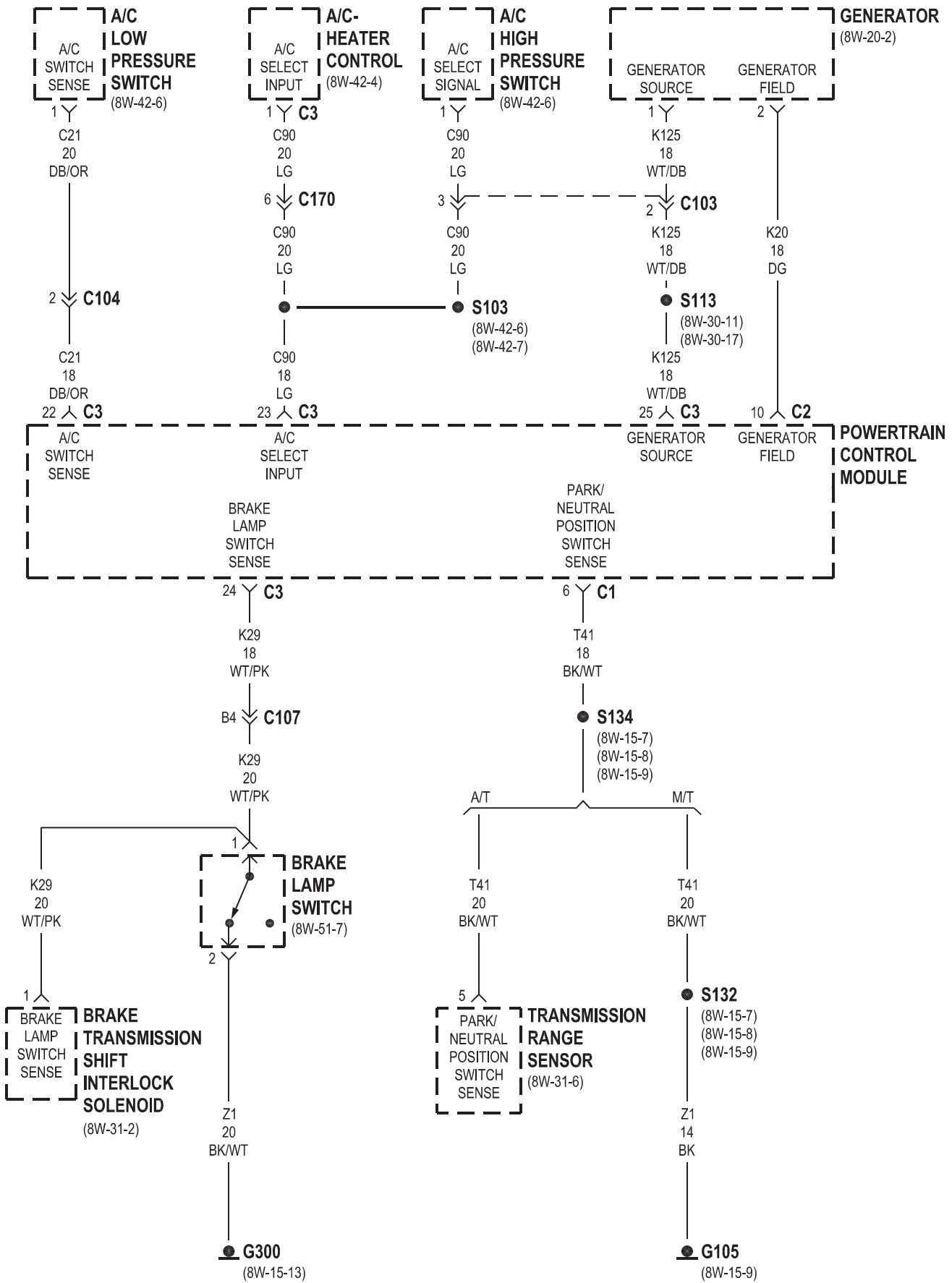


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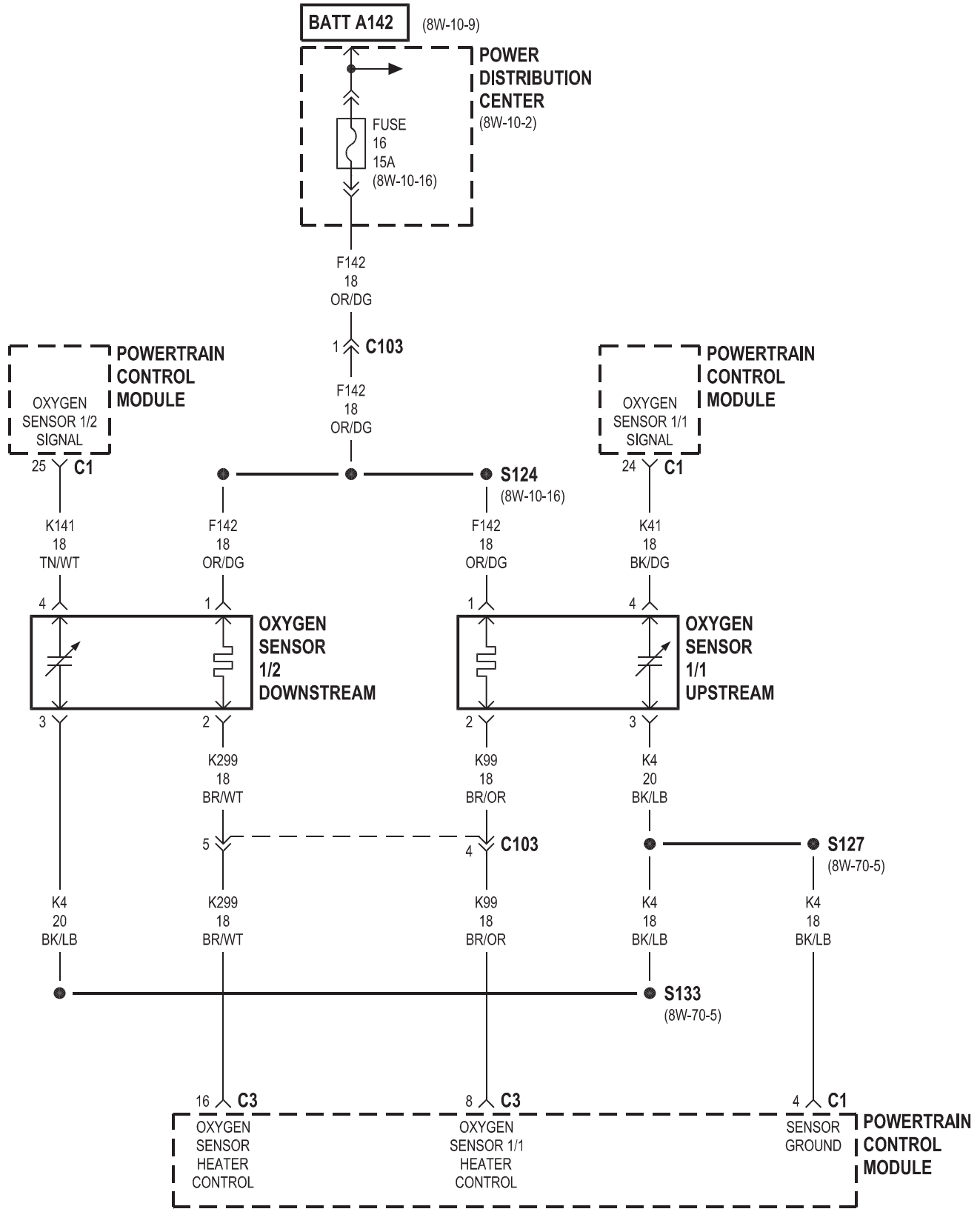
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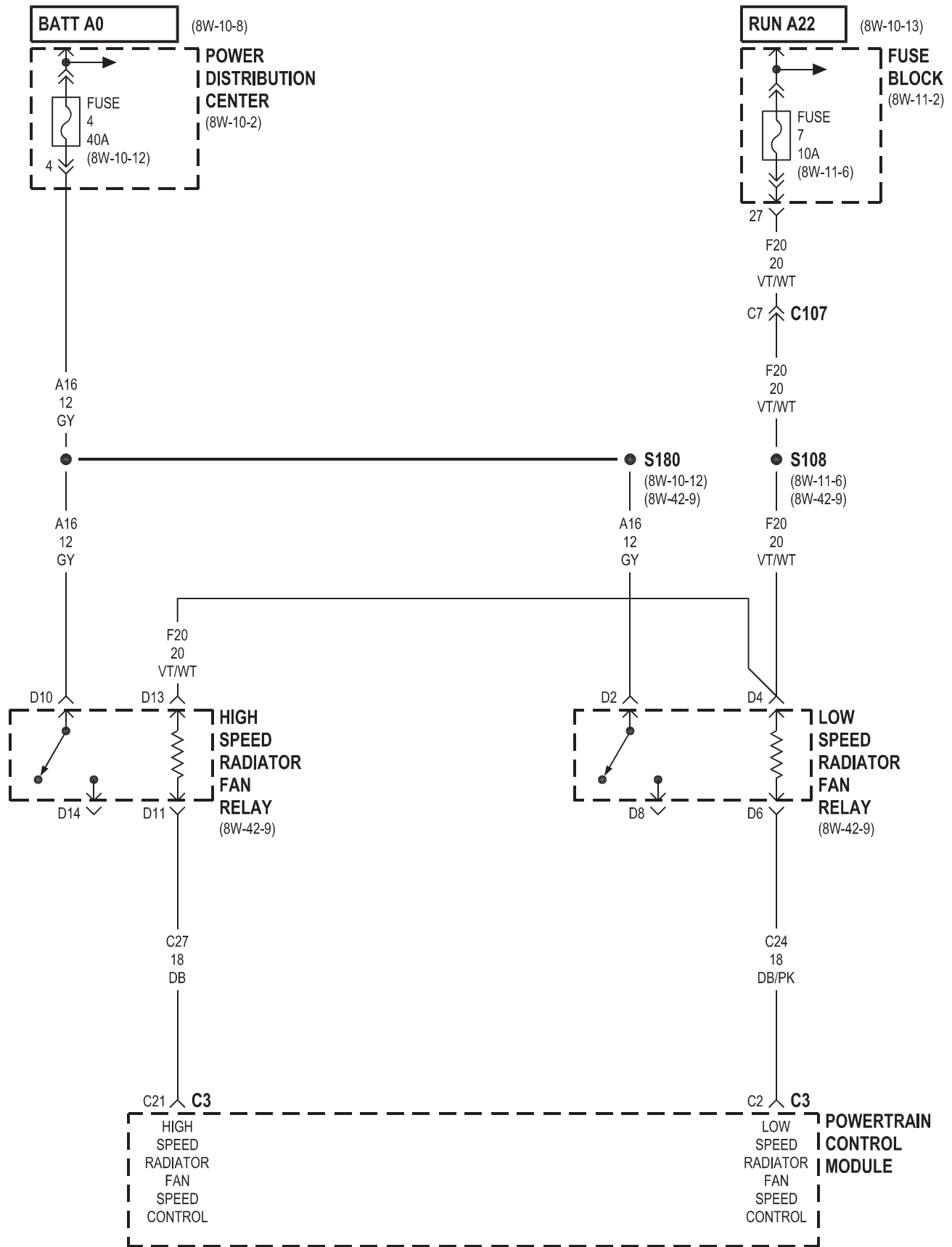


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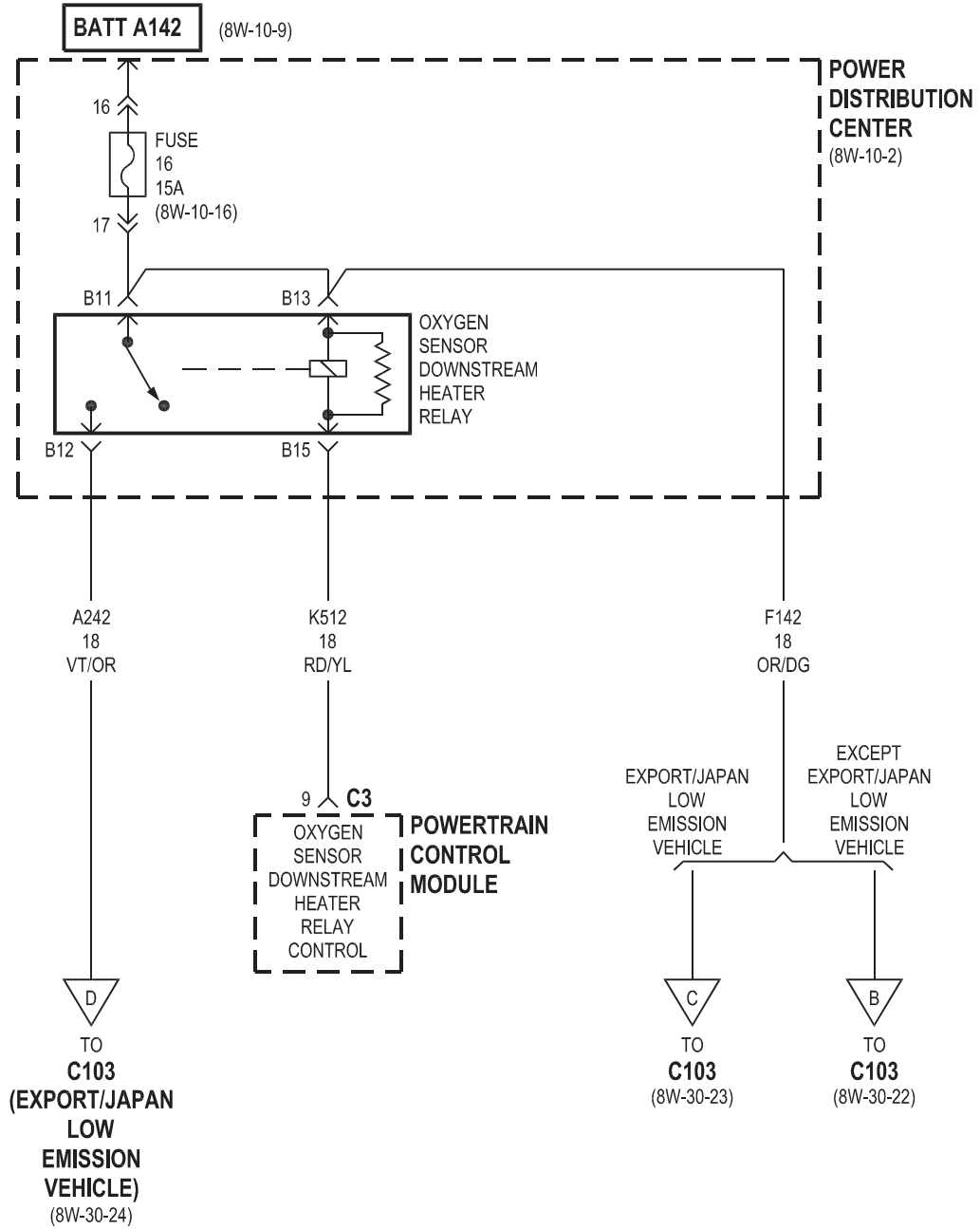


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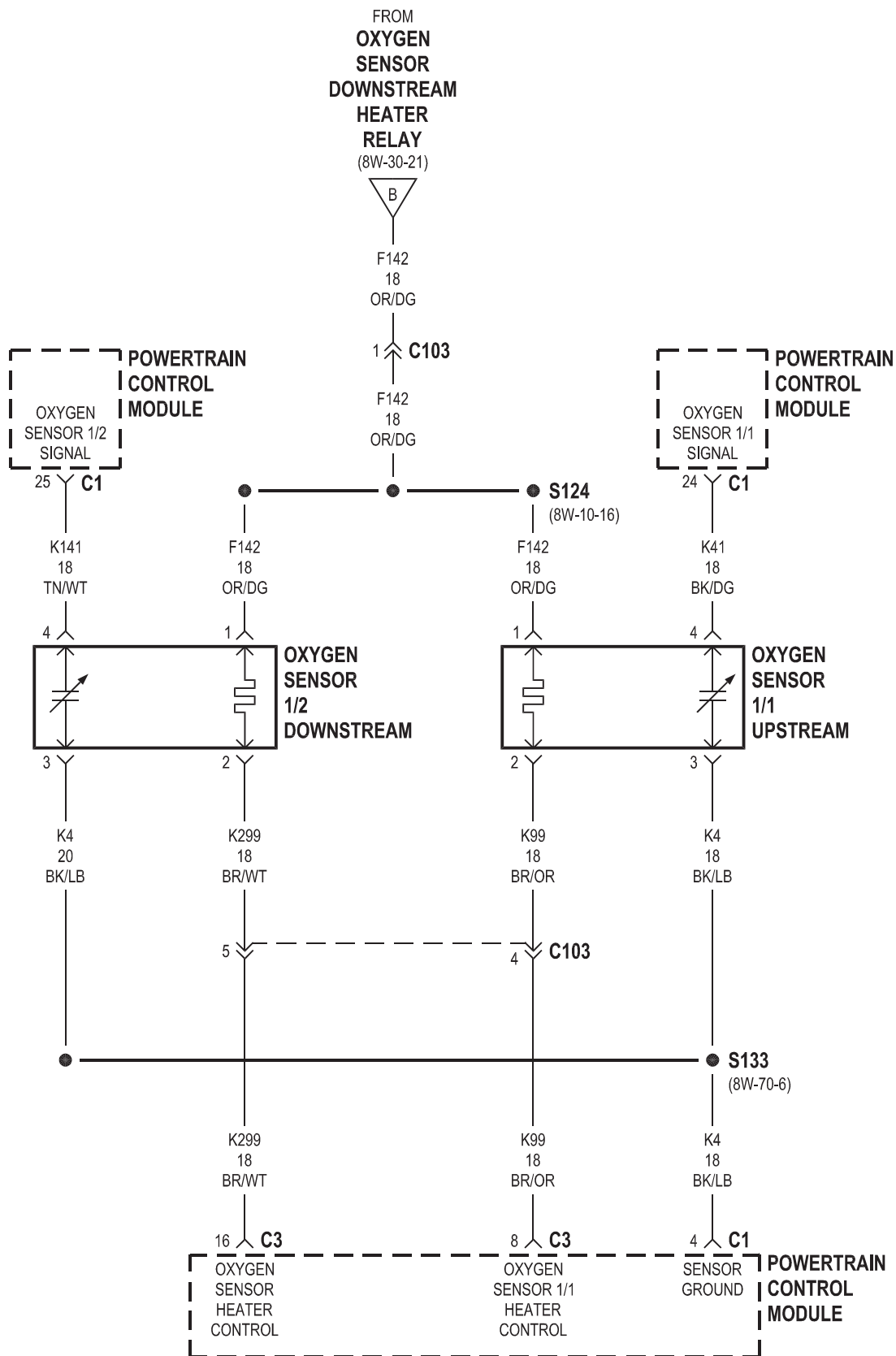
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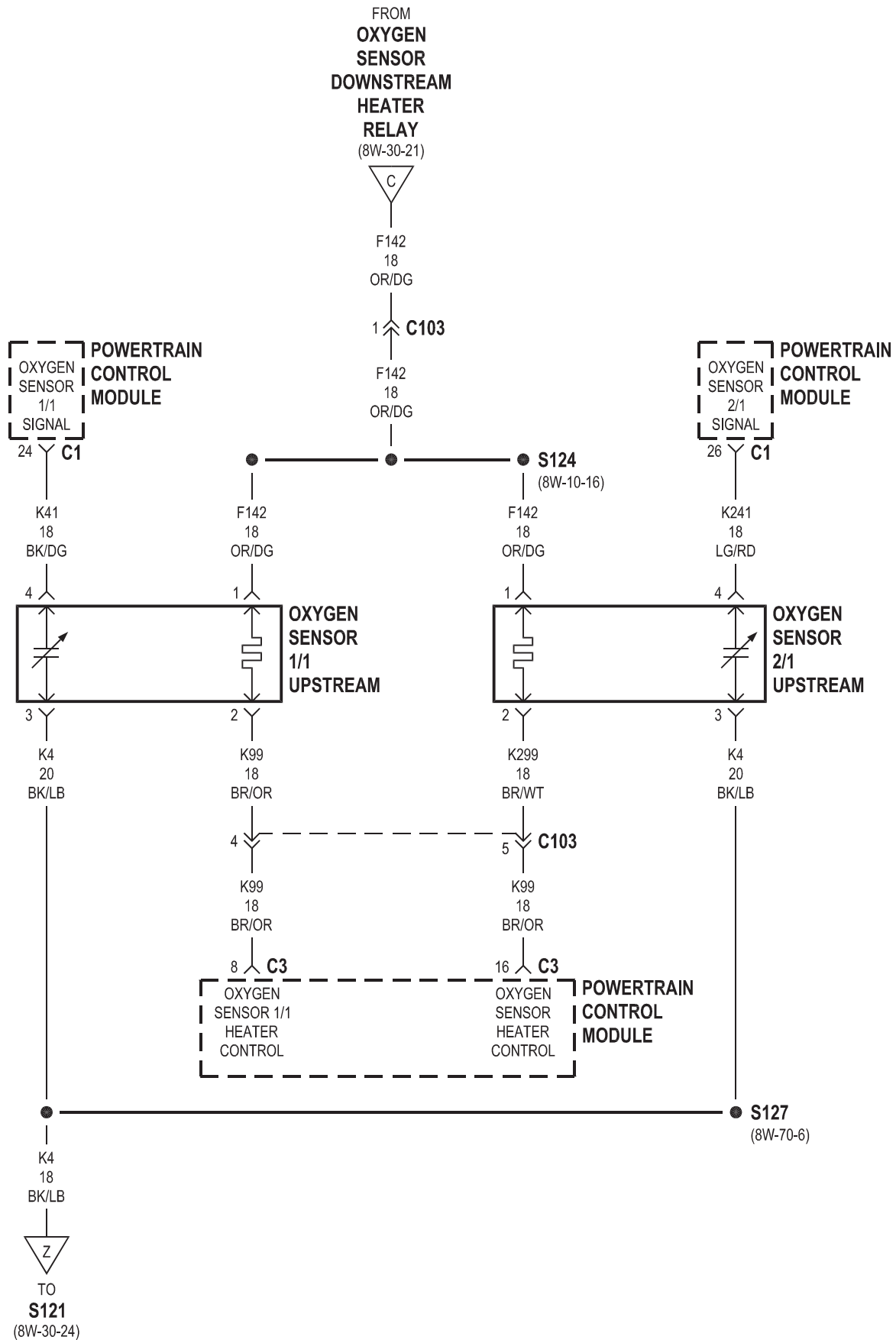
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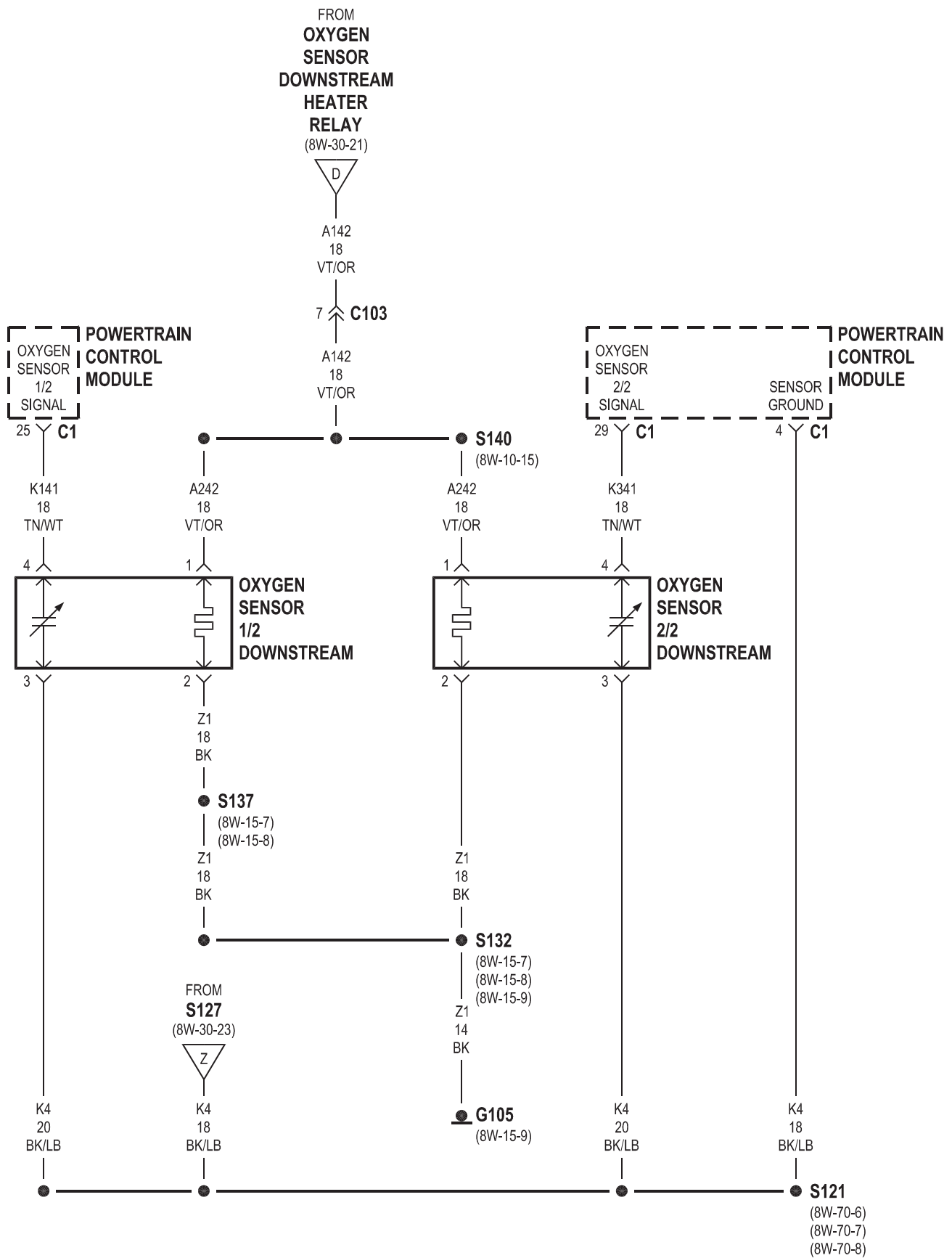
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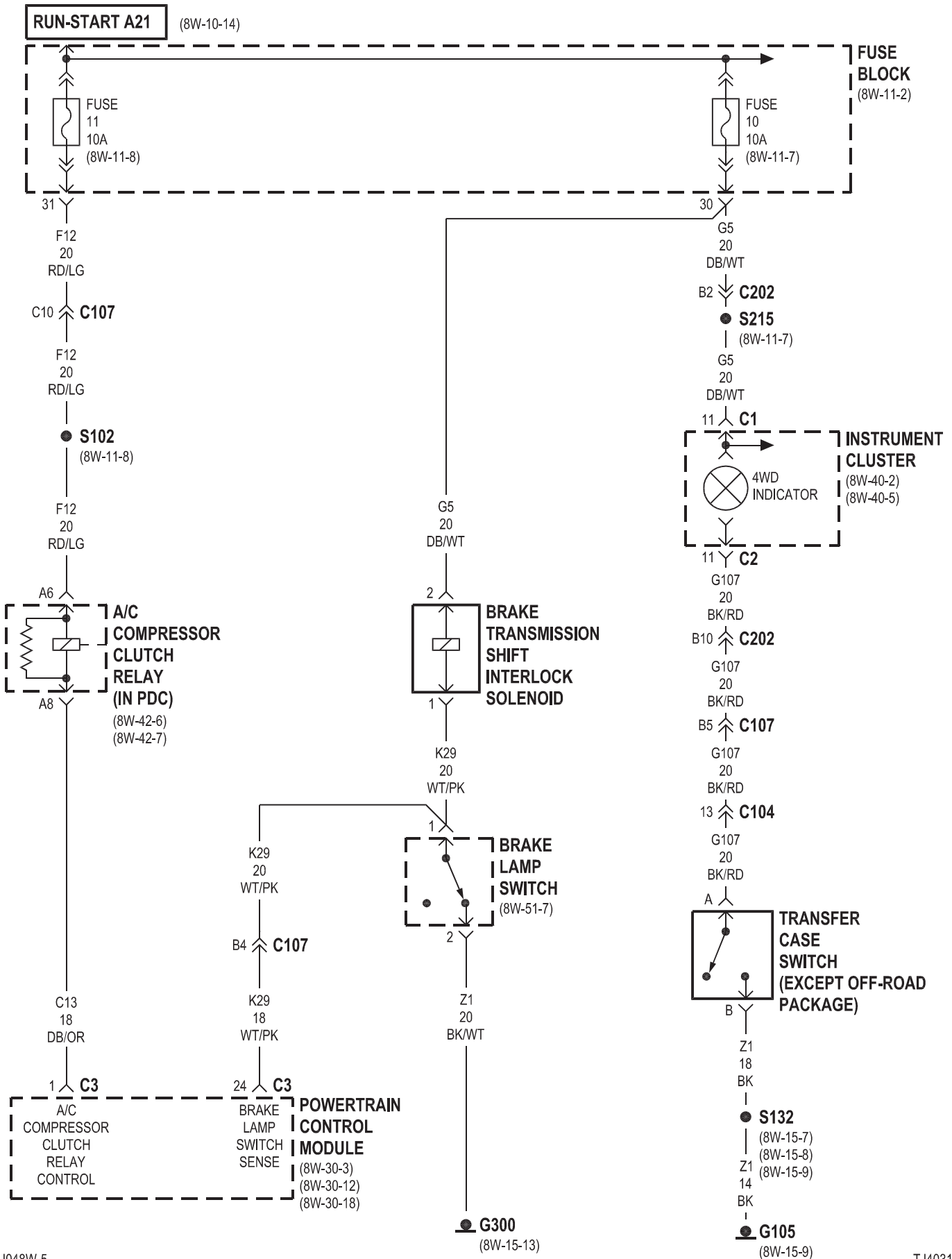
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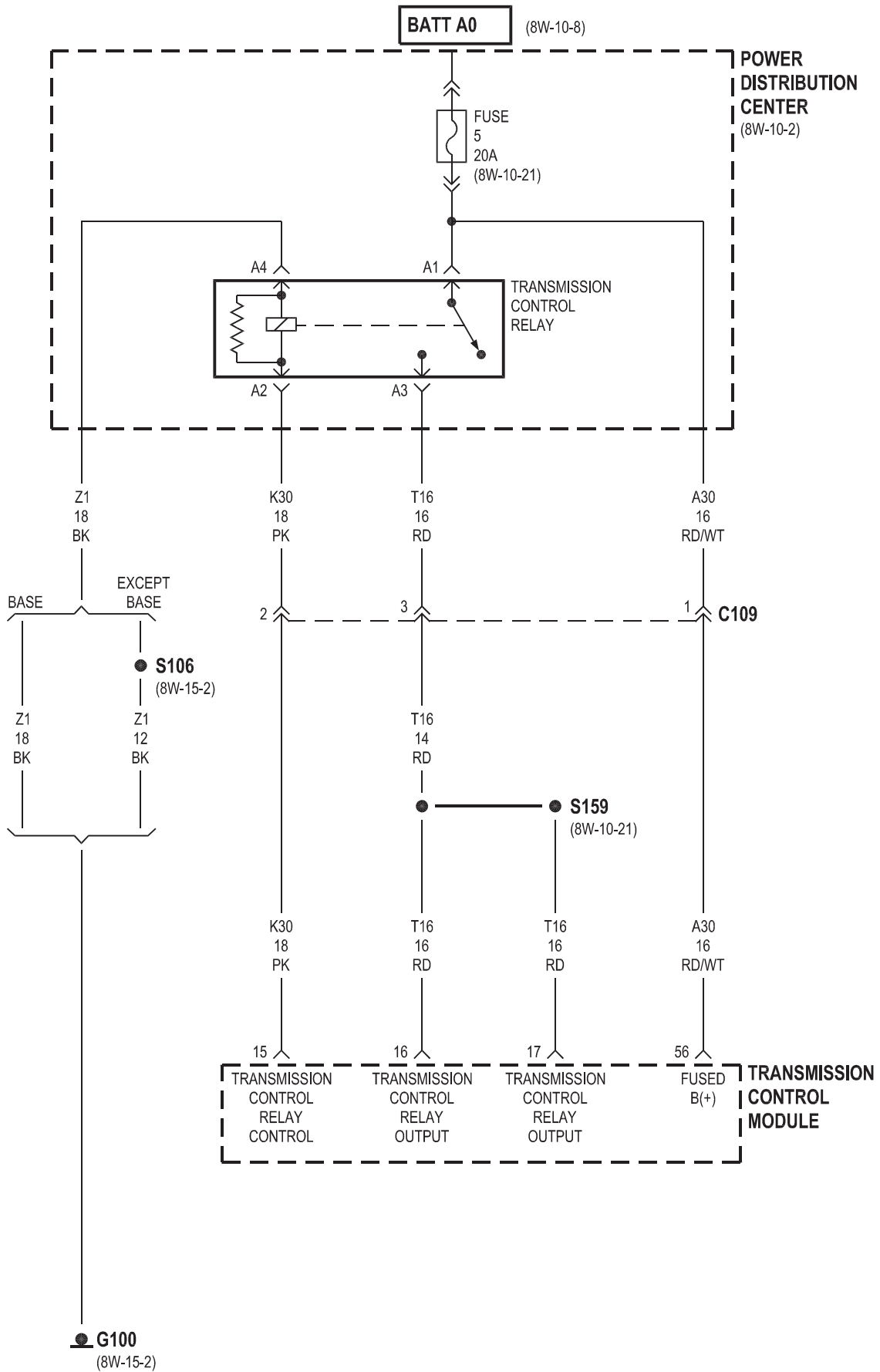
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8W-31 TRANSMISSION CONTROL SYSTEM

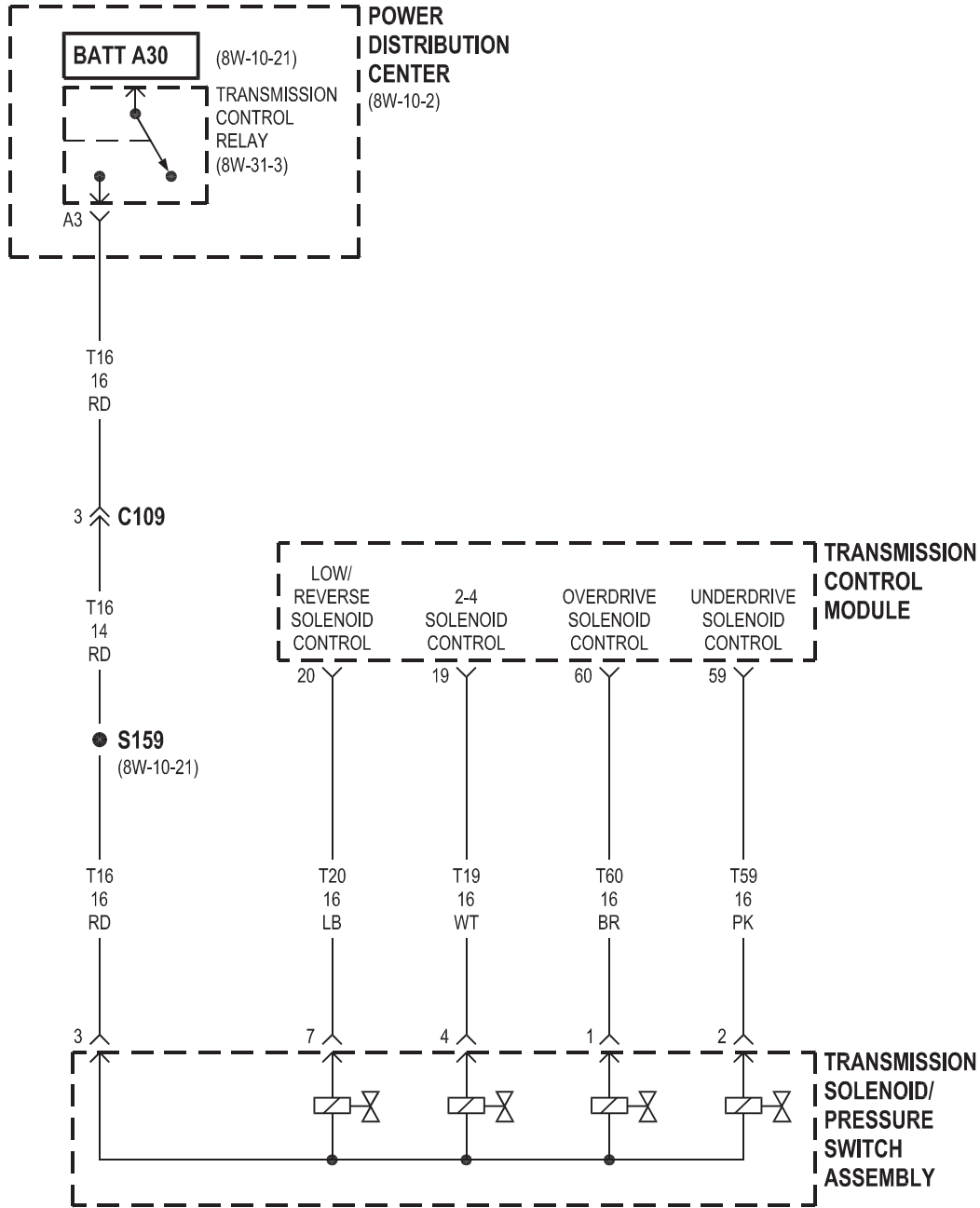
Component	Page	Component	Page
A/C Compressor Clutch Relay	8W-31-2	Input Speed Sensor	8W-31-9
Axle Lock Switch	8W-31-14, 15	Instrument Cluster	8W-31-2, 10, 13, 14, 15
Brake Lamp Switch	8W-31-2	Left Rear Lamp Assembly	8W-31-7
Brake Transmission Shift Interlock Solenoid	8W-31-2	Output Speed Sensor	8W-31-9
Crankshaft Position Sensor	8W-31-8	Overdrive Off Switch	8W-31-10
Data Link Connector	8W-31-11	Power Distribution Center	8W-31-3, 4, 5, 12
Front Locker Indicator Switch	8W-31-13	Powertrain Control Module	8W-31-2, 6, 8, 11, 15
Front Locker Pump	8W-31-12	Rear Locker Indicator Switch	8W-31-13
Front Locker Relay	8W-31-12	Rear Locker Pump	8W-31-12
Fuse 5	8W-31-3	Rear Locker Relay	8W-31-12
Fuse 7	8W-31-7	Right Rear Lamp Assembly	8W-31-7
Fuse 10	8W-31-2	Throttle Position Sensor	8W-31-11
Fuse 11	8W-31-2	Transfer Case Switch	8W-31-2, 15
Fuse Block	8W-31-2, 7	Transmission Control Module	8W-31-3, 4, 5, 6, 8, 9, 10, 11
G100	8W-31-3	Transmission Control Relay	8W-31-3, 4, 5
G105	8W-31-2, 8, 12, 13	Transmission Range Sensor	8W-31-6, 7, 9
G200	8W-31-10, 15	Transmission Solenoid/Pressure Switch Assembly	8W-31-4, 5
G300	8W-31-2		



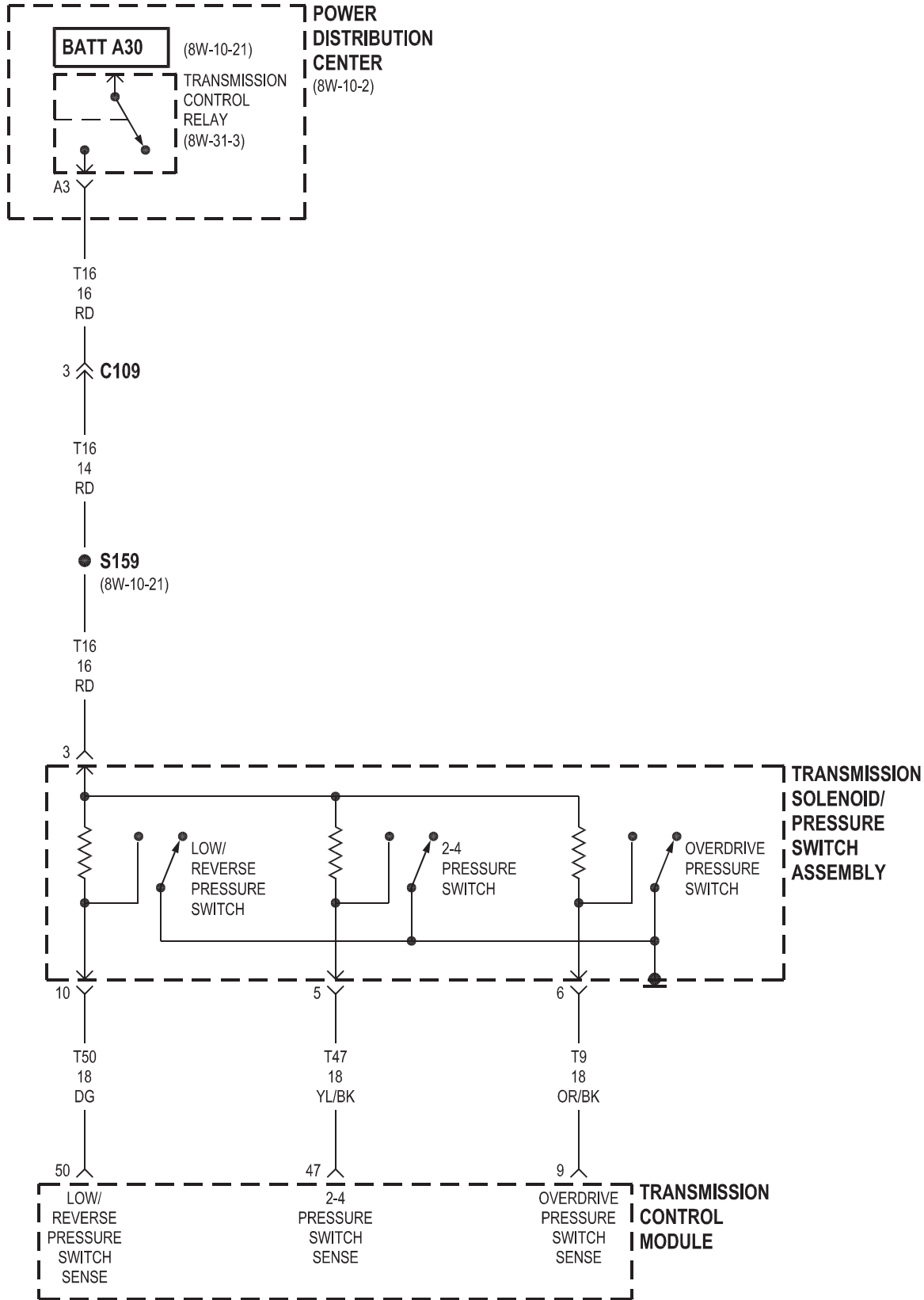
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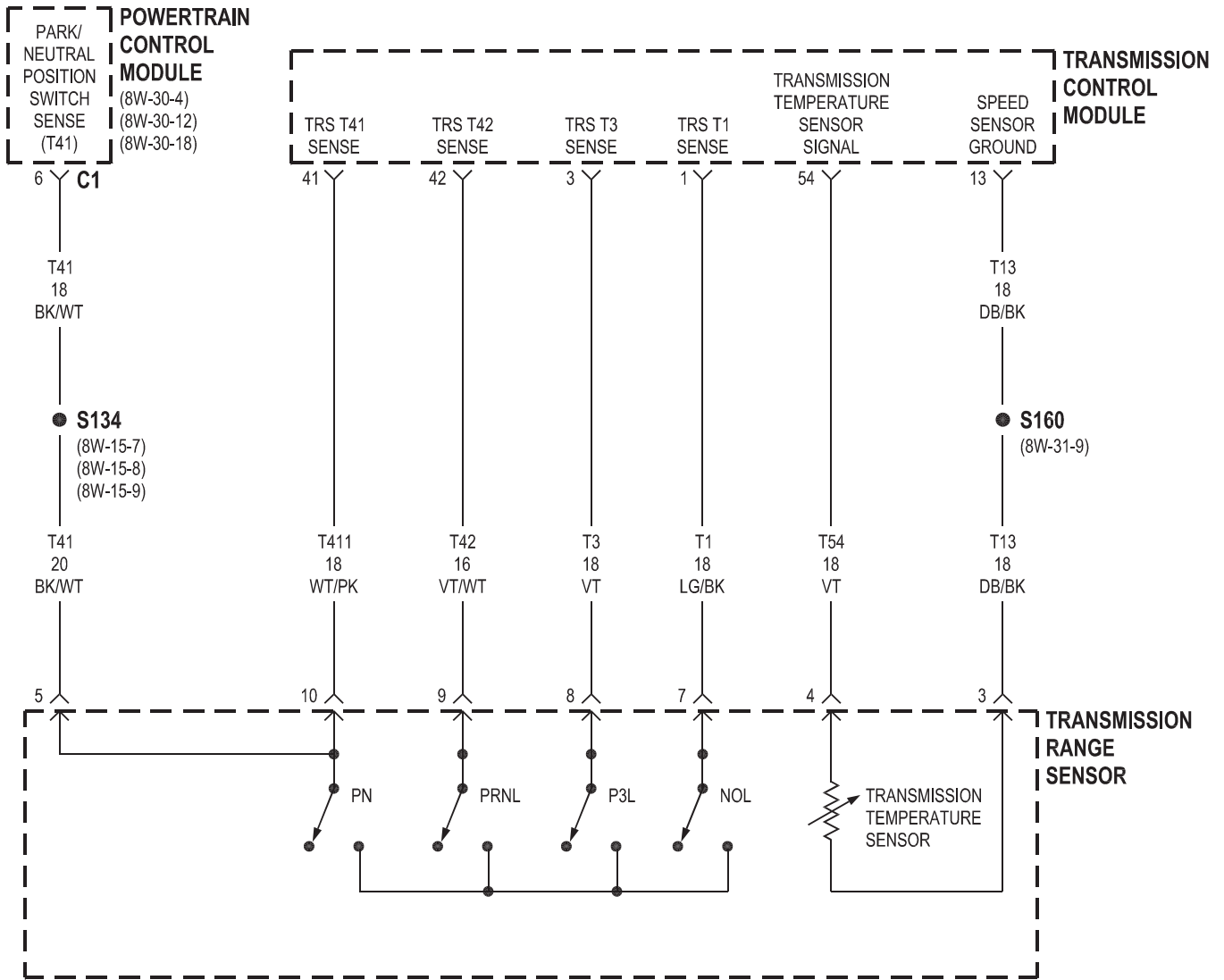
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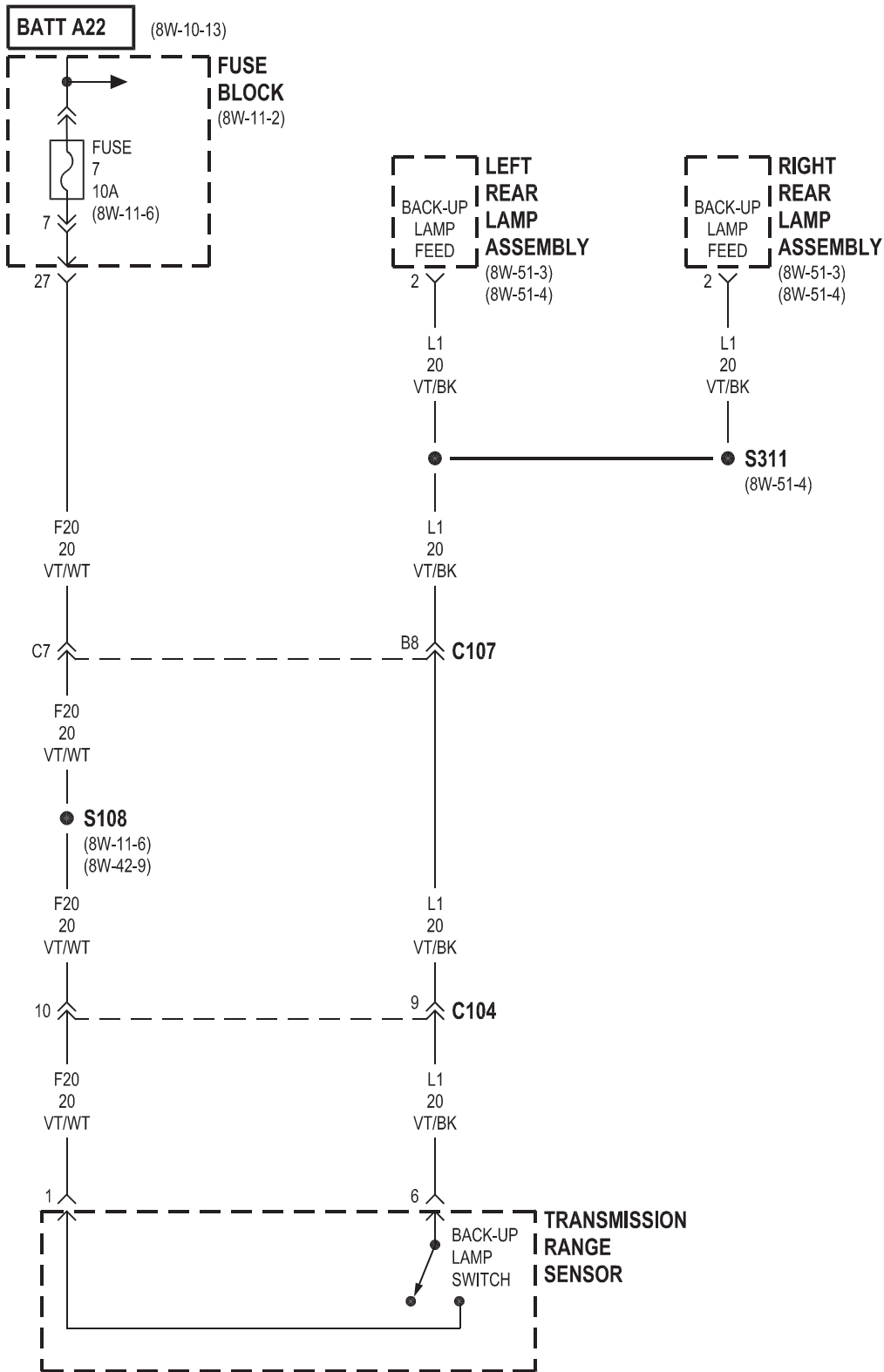
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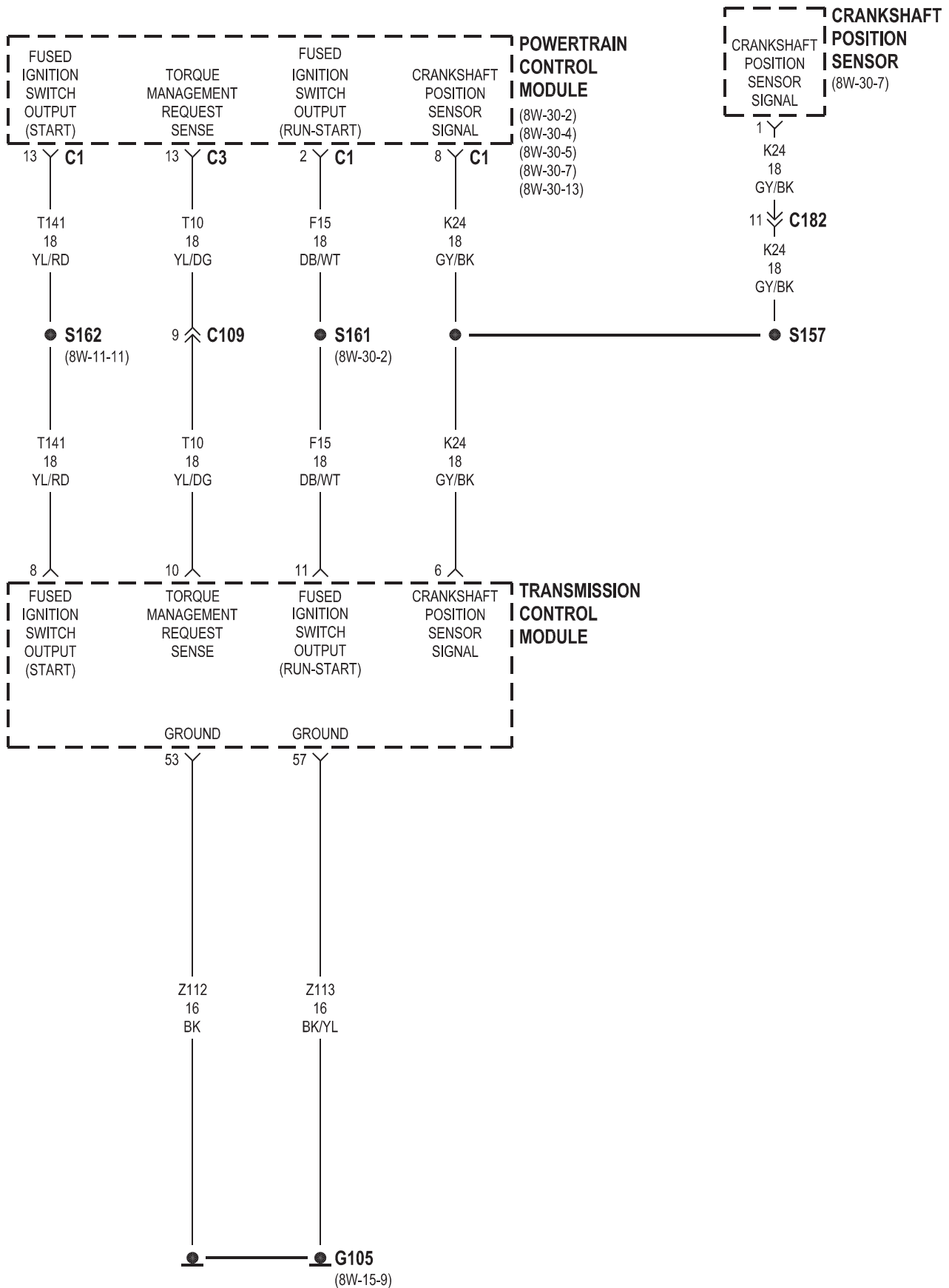
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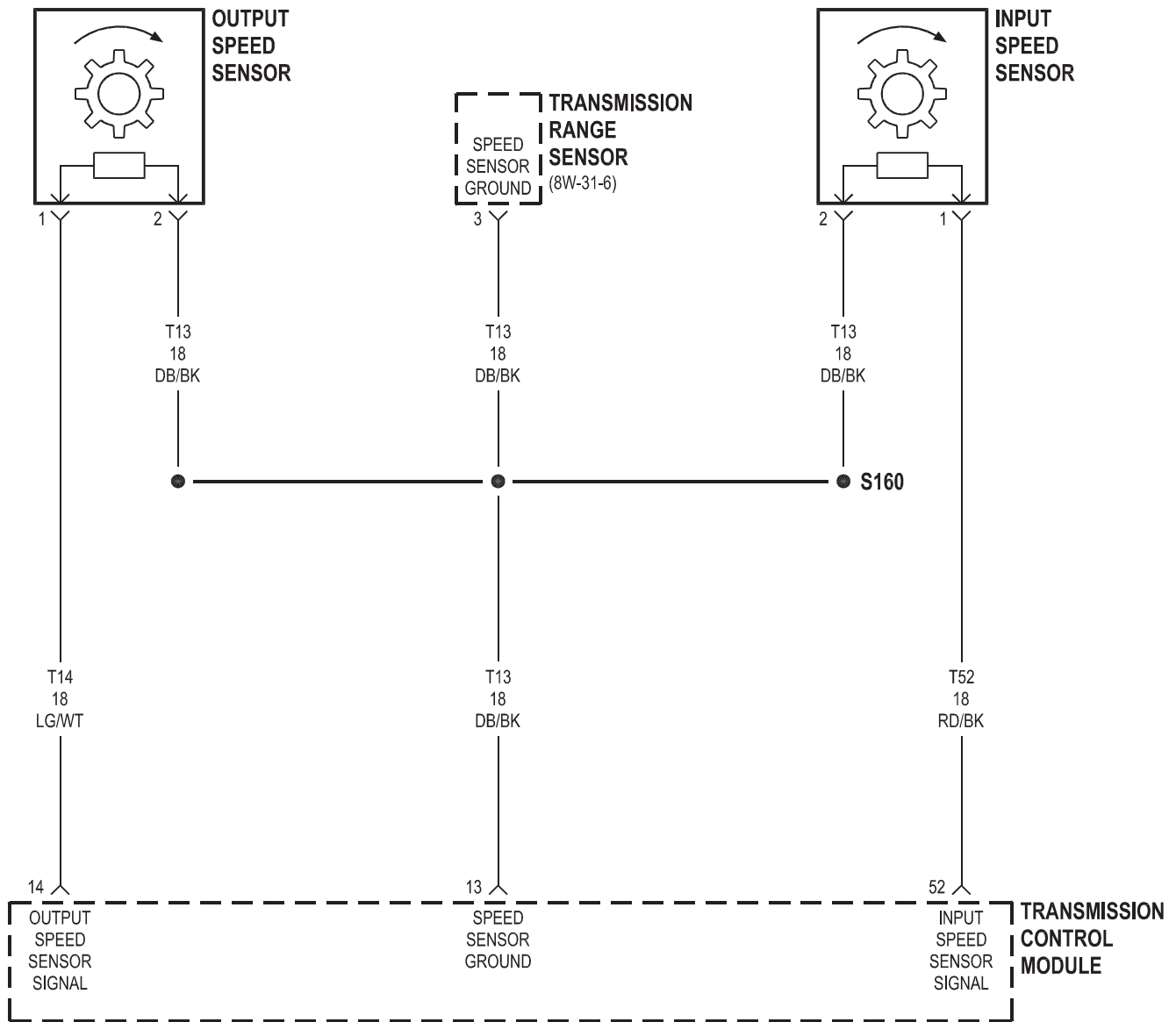
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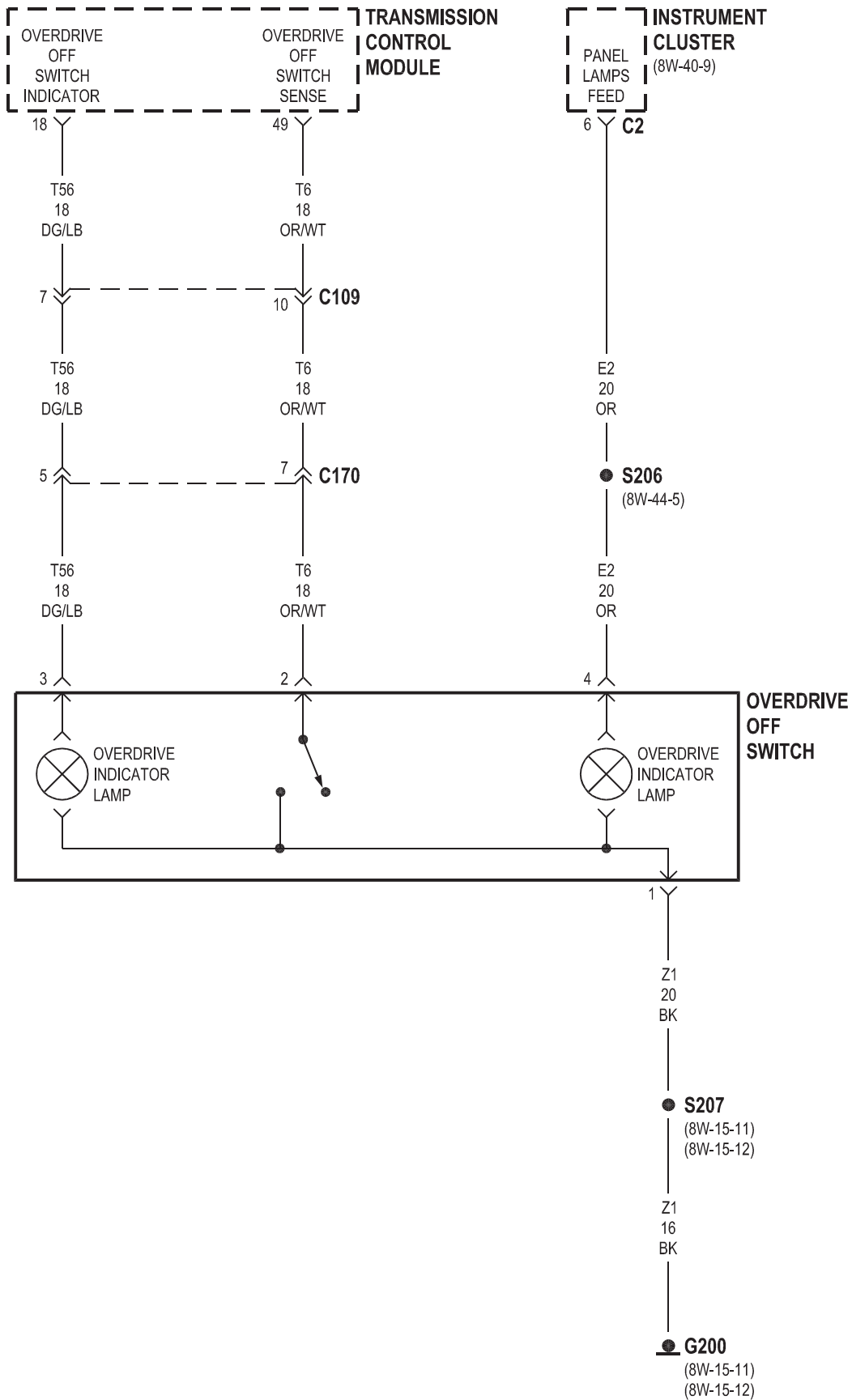
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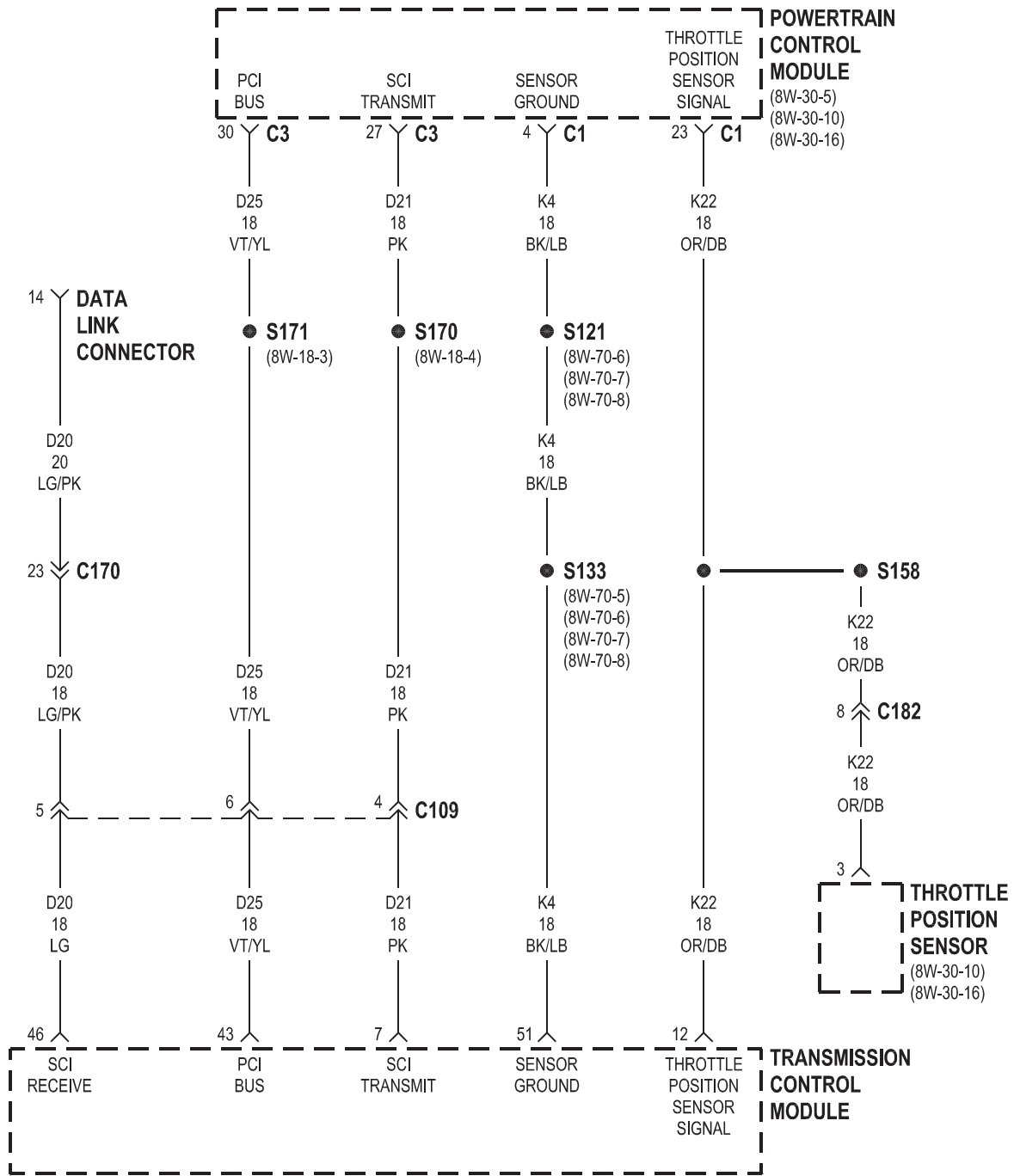
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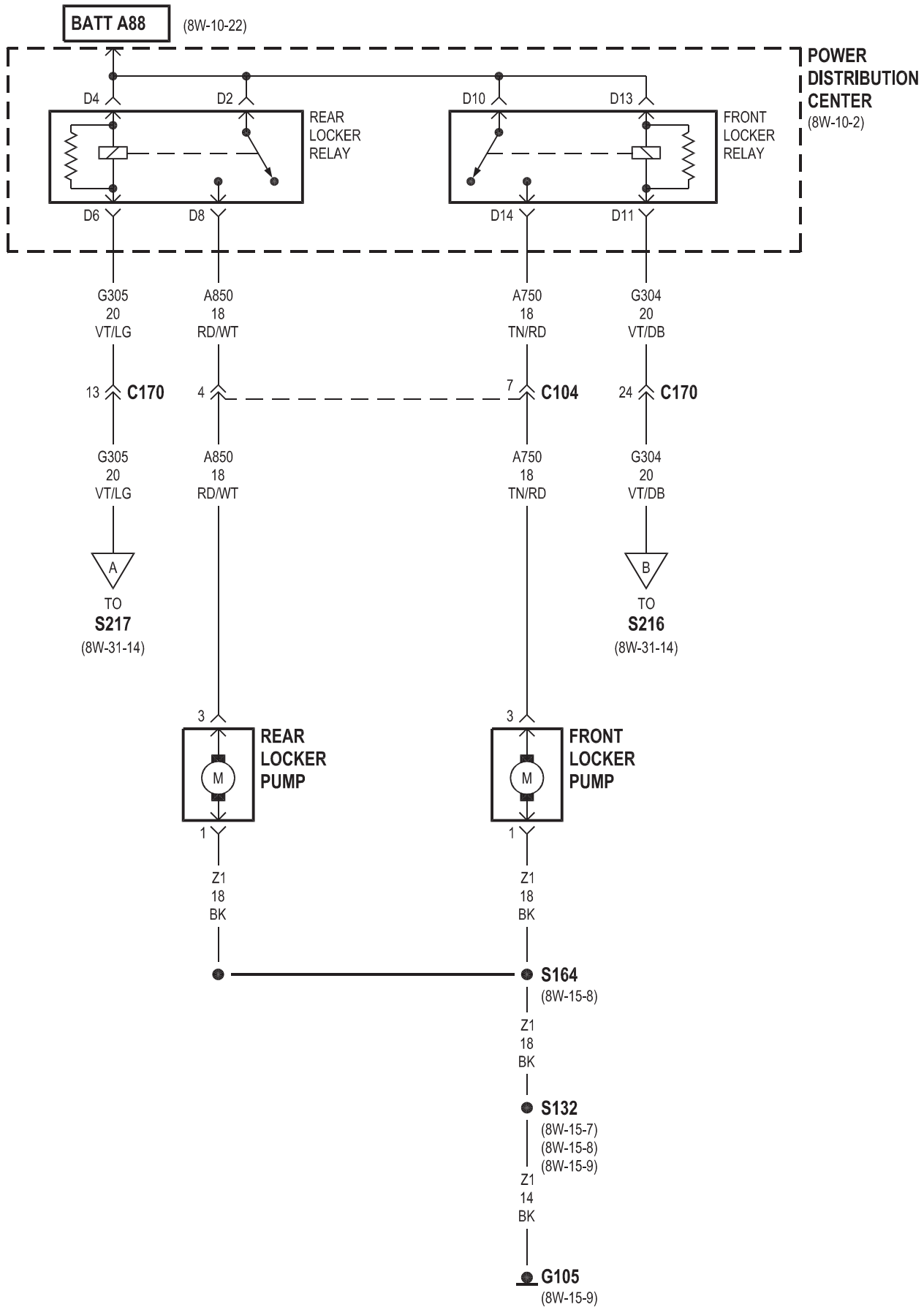
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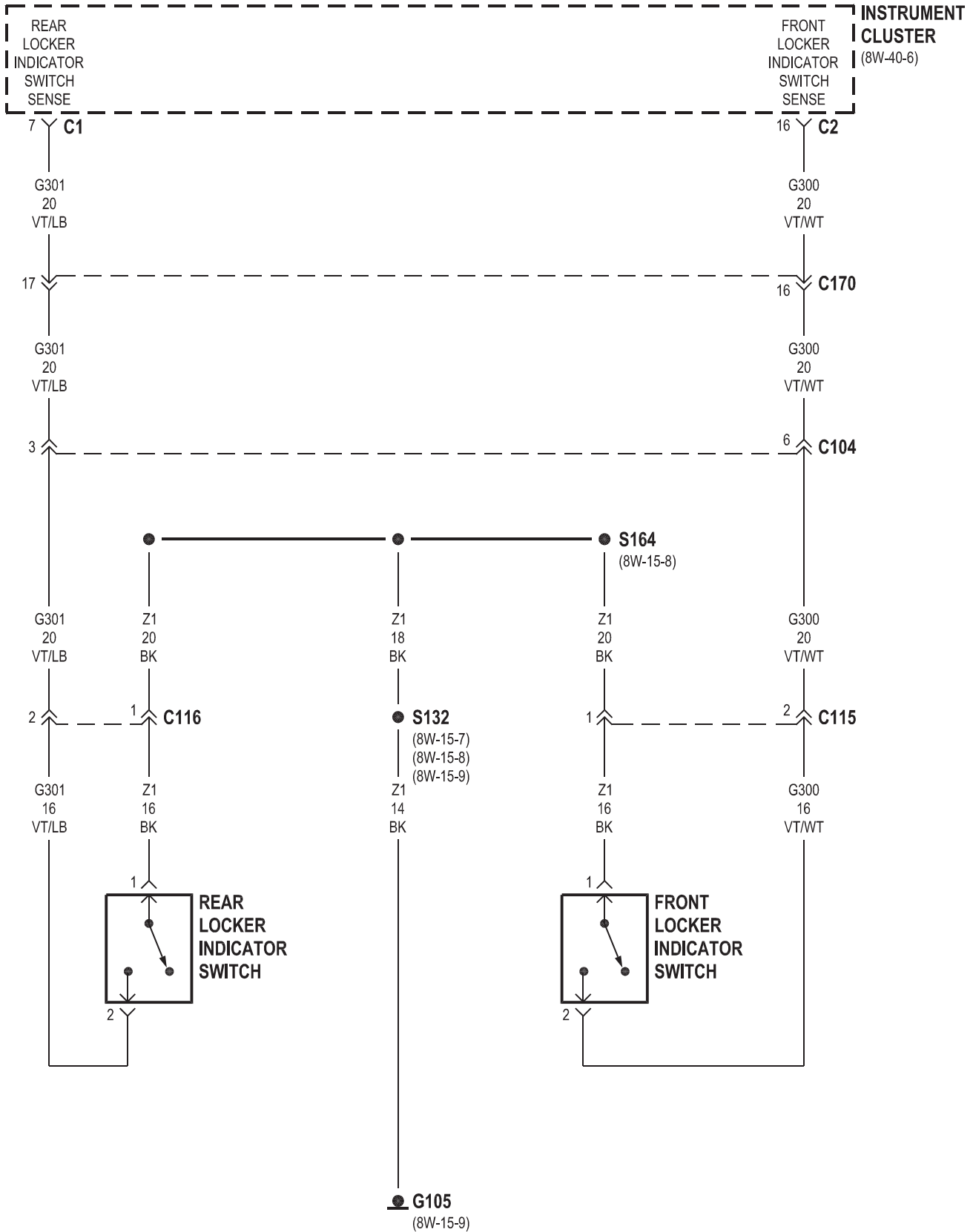
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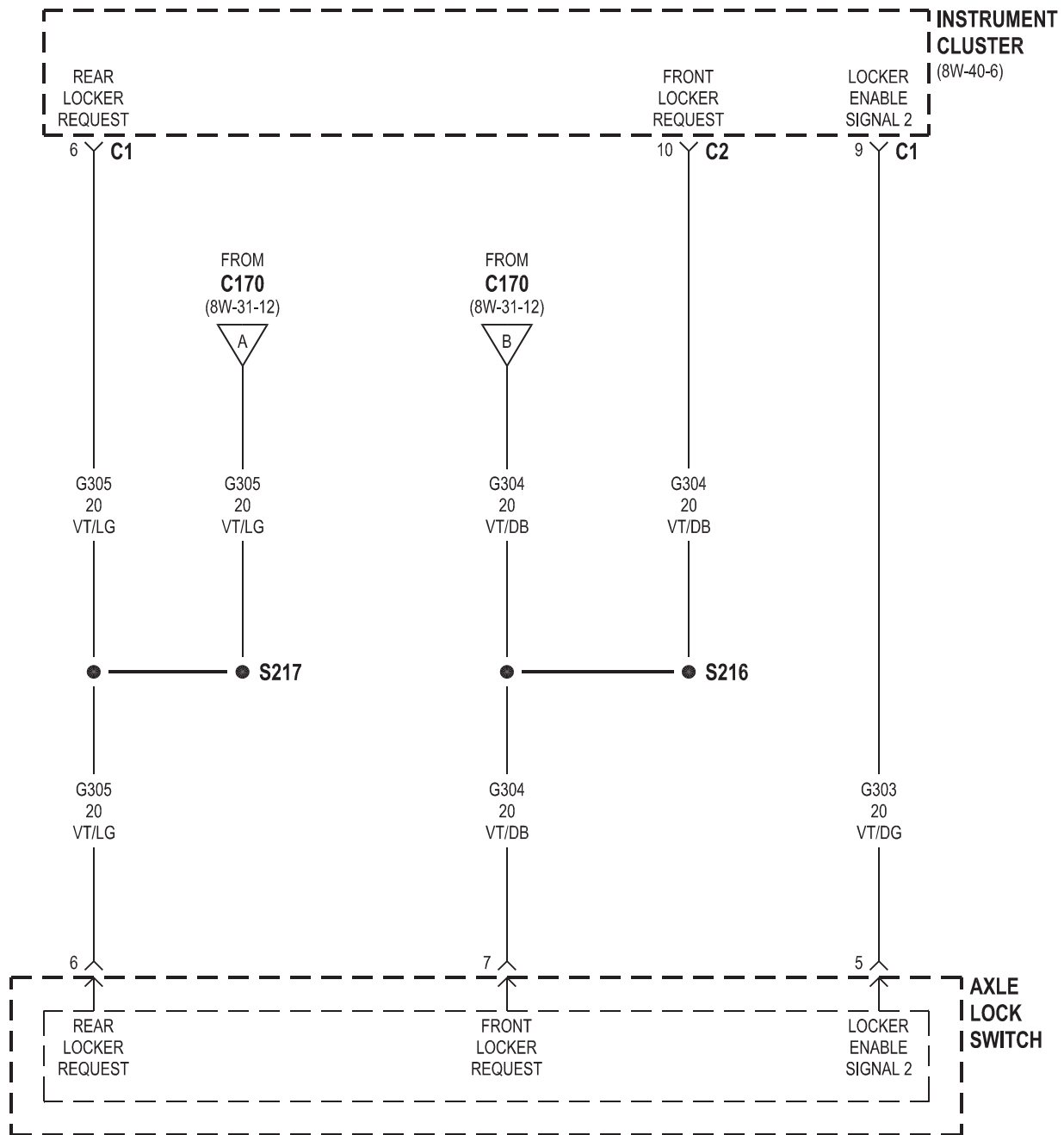
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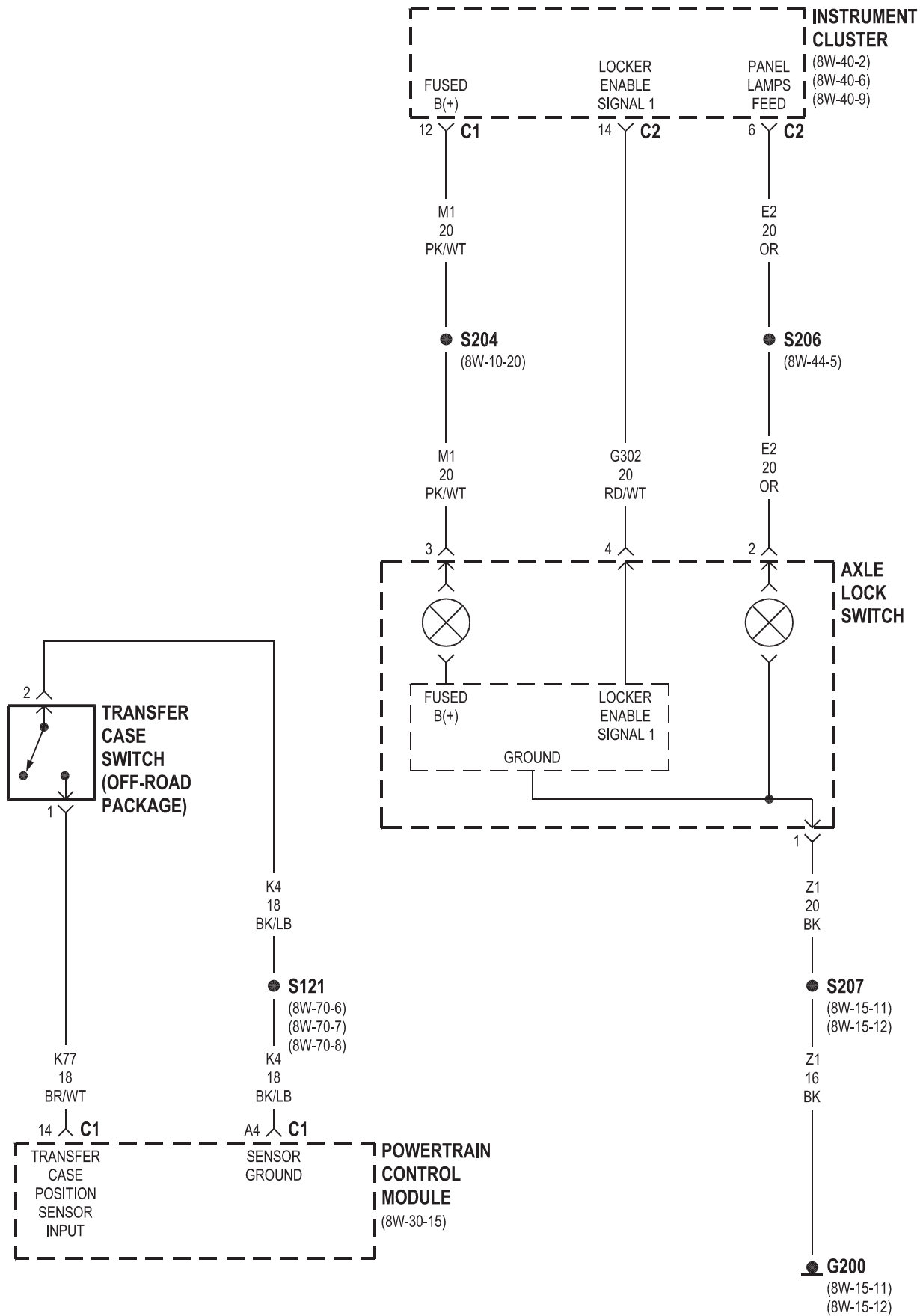
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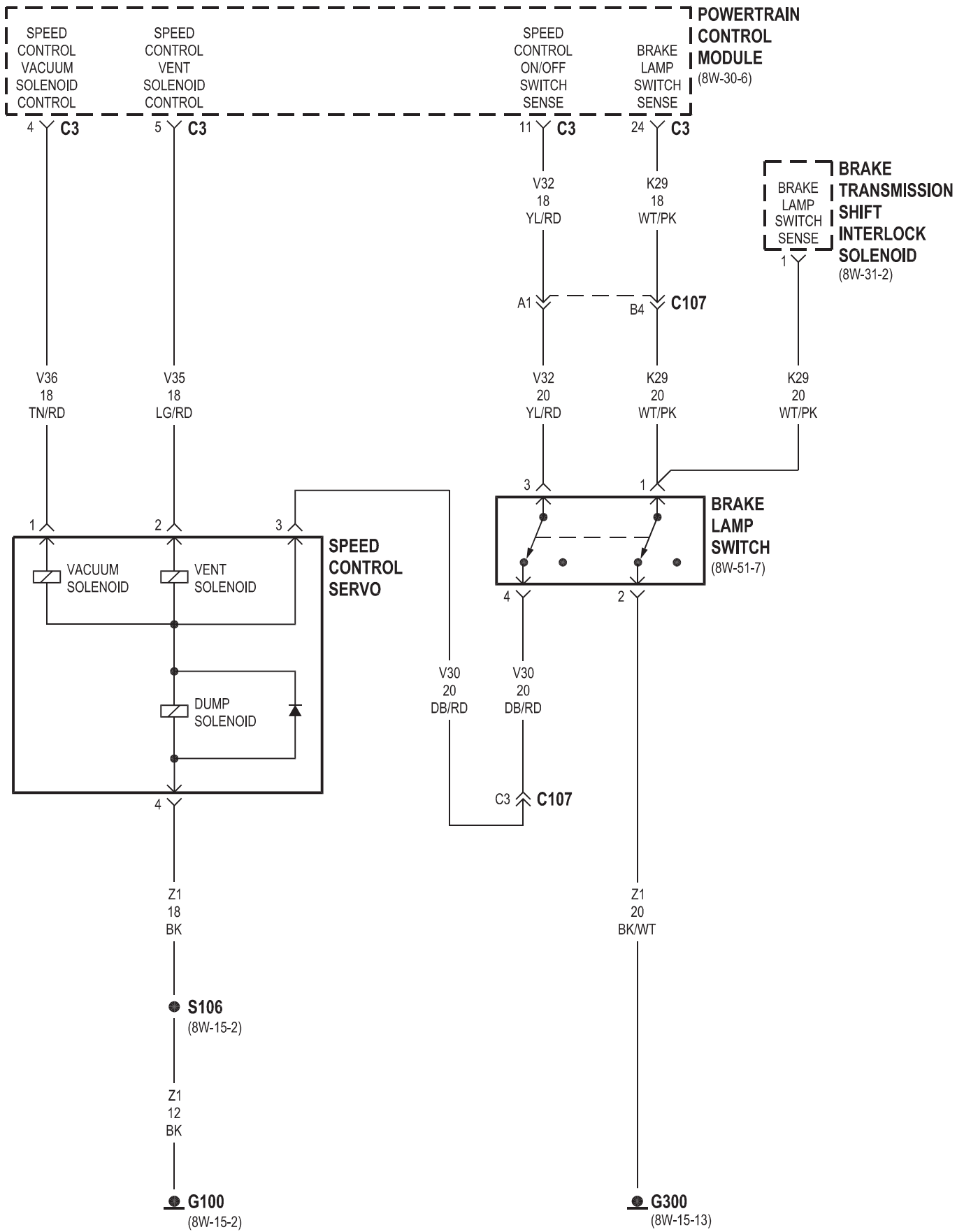
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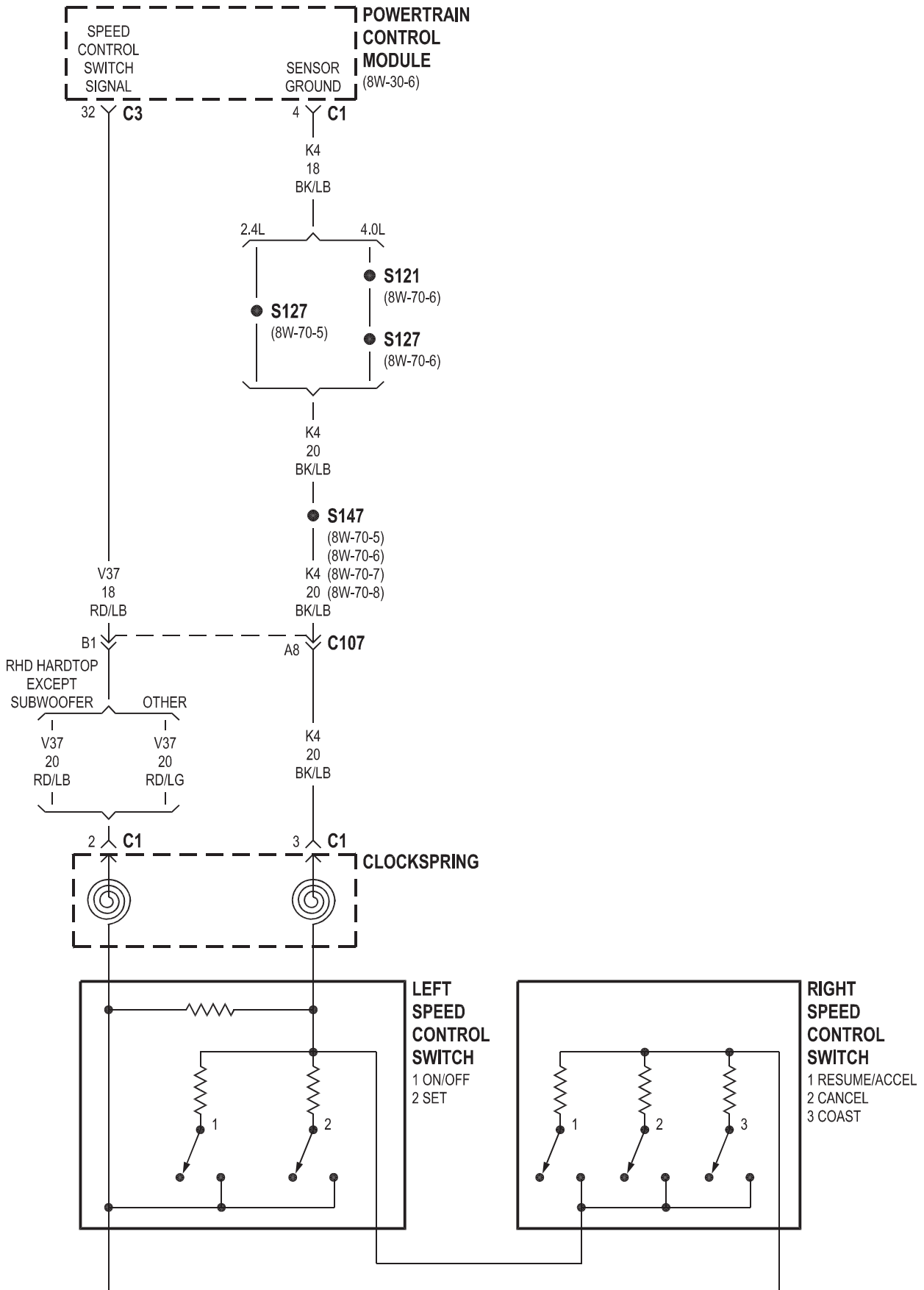
8W-33 VEHICLE SPEED CONTROL

Component	Page	Component	Page
Brake Lamp Switch	8W-33-2	G300	8W-33-2
Brake Transmission Shift Interlock Solenoid	8W-33-2	Left Speed Control Switch	8W-33-3
Clockspring	8W-33-3	Powertrain Control Module	8W-33-2, 3
G100	8W-33-2	Right Speed Control Switch	8W-33-3
		Speed Control Servo	8W-33-2



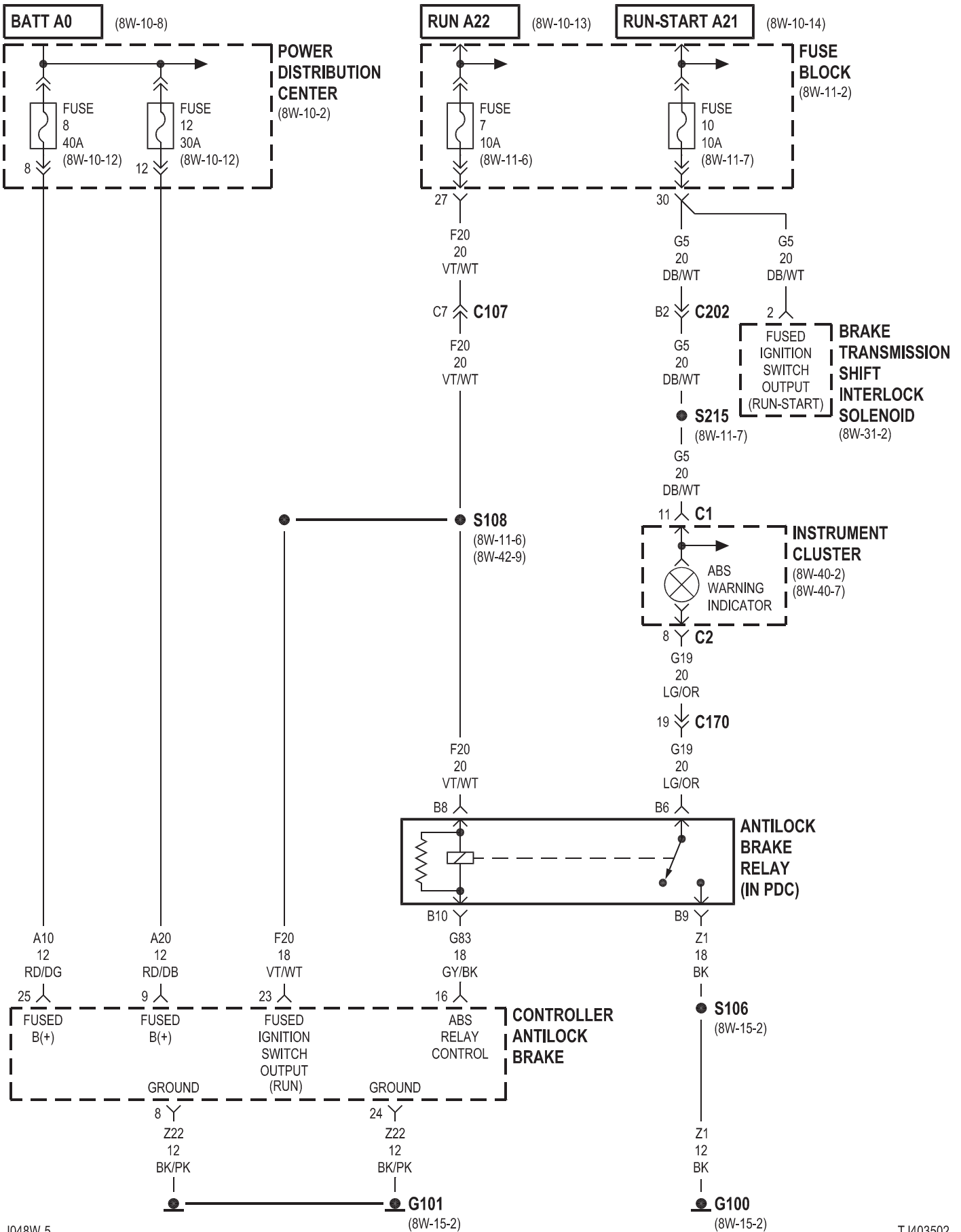
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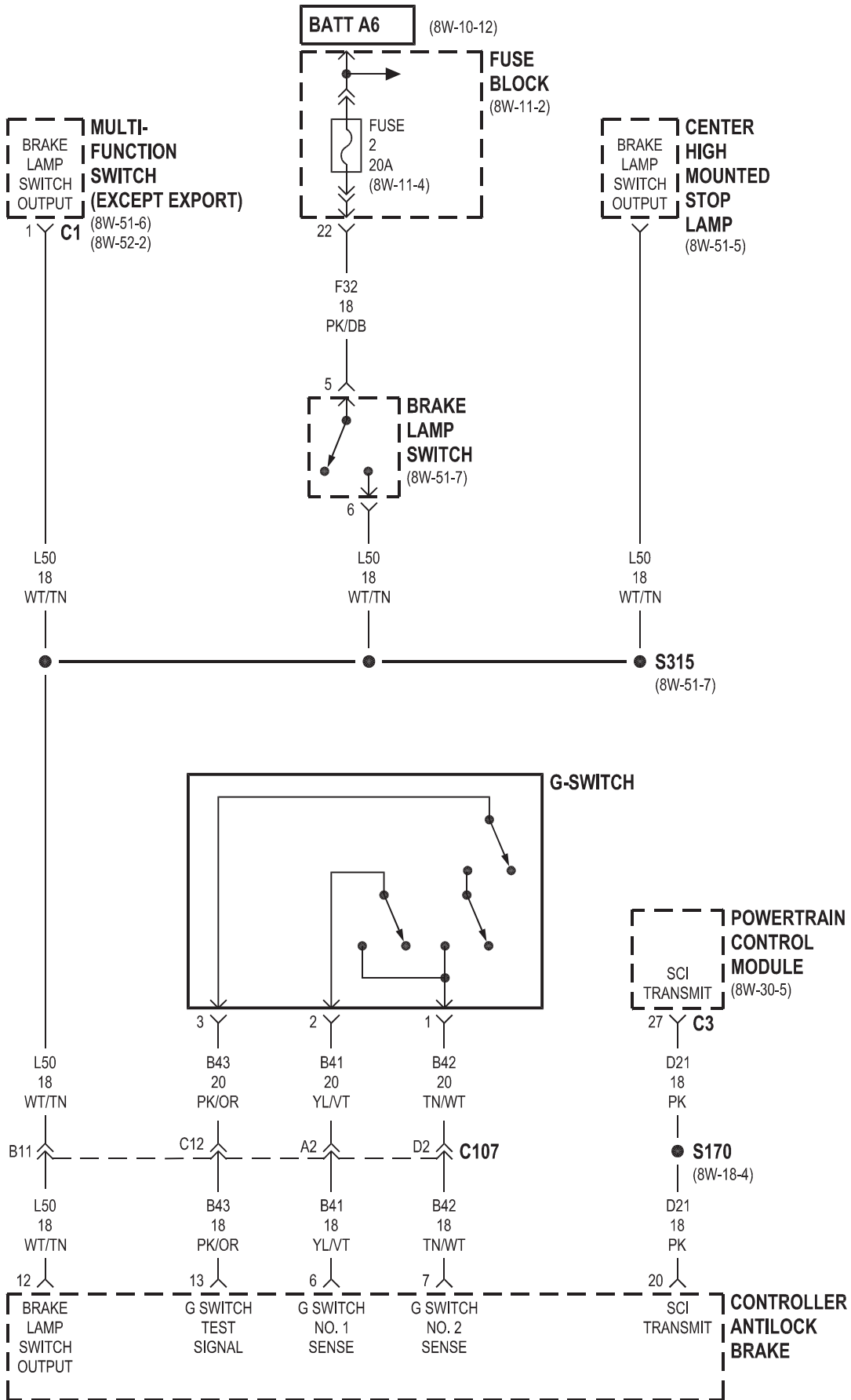


8W-35 ANTILOCK BRAKES

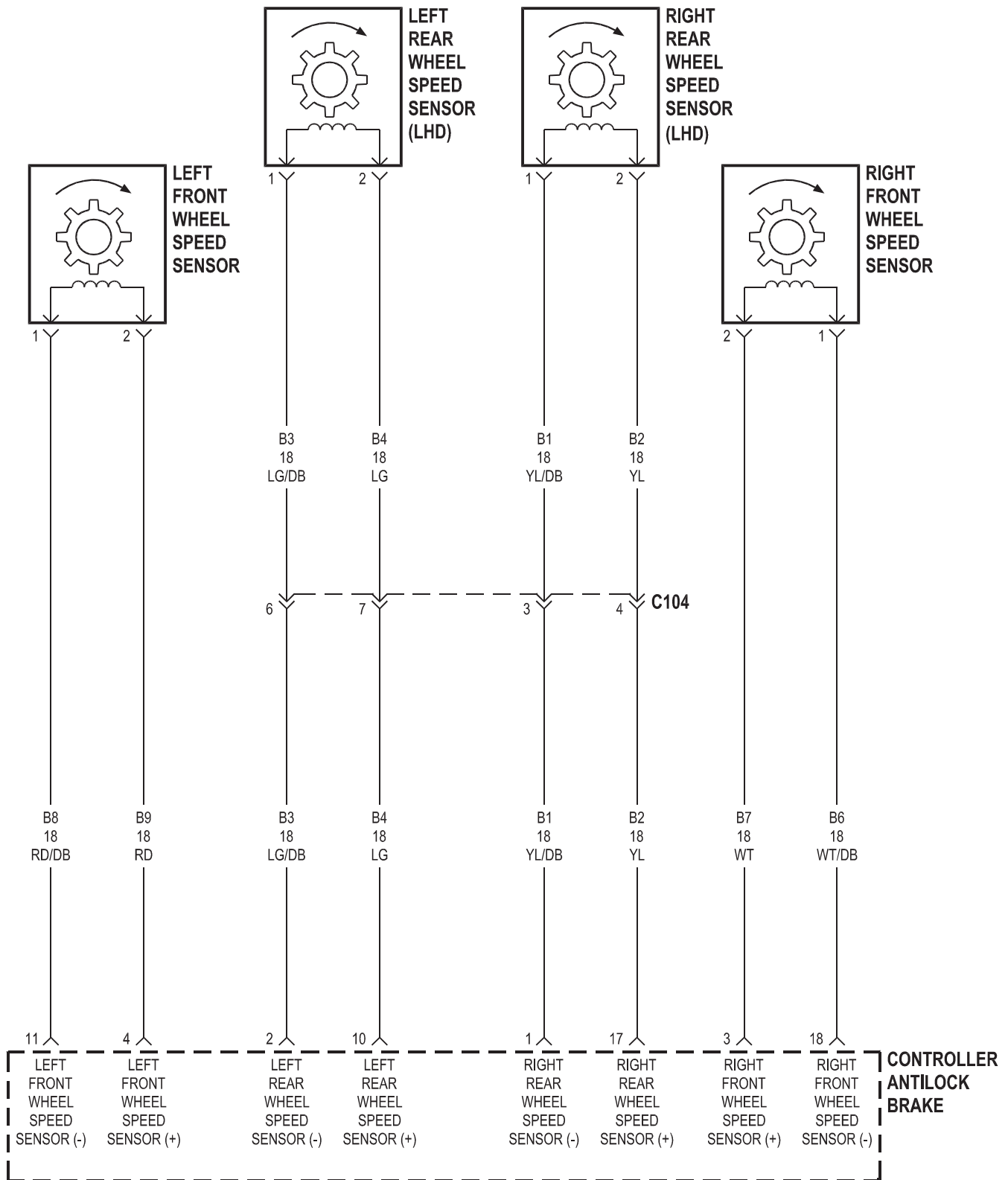
Component	Page	Component	Page
Antilock Brake Relay	8W-35-2	G-Switch	8W-35-3
Brake Lamp Switch	8W-35-3	G100	8W-35-2
Brake Transmission Shift Interlock Solenoid	8W-35-2	G101	8W-35-2
Center High Mounted Stop Lamp	8W-35-3	Instrument Cluster	8W-35-2
Controller Antilock Brake	8W-35-2, 3, 4	Left Front Wheel Speed Sensor	8W-35-4
Fuse 2	8W-35-3	Left Rear Wheel Speed Sensor	8W-35-4
Fuse 7	8W-35-2	Multi-Function Switch	8W-35-3
Fuse 8	8W-35-2	Power Distribution Center	8W-35-2
Fuse 10	8W-35-2	Powertrain Control Module	8W-35-3
Fuse 12	8W-35-2	Right Front Wheel Speed Sensor	8W-35-4
Fuse Block	8W-35-2, 3	Right Rear Wheel Speed Sensor	8W-35-4



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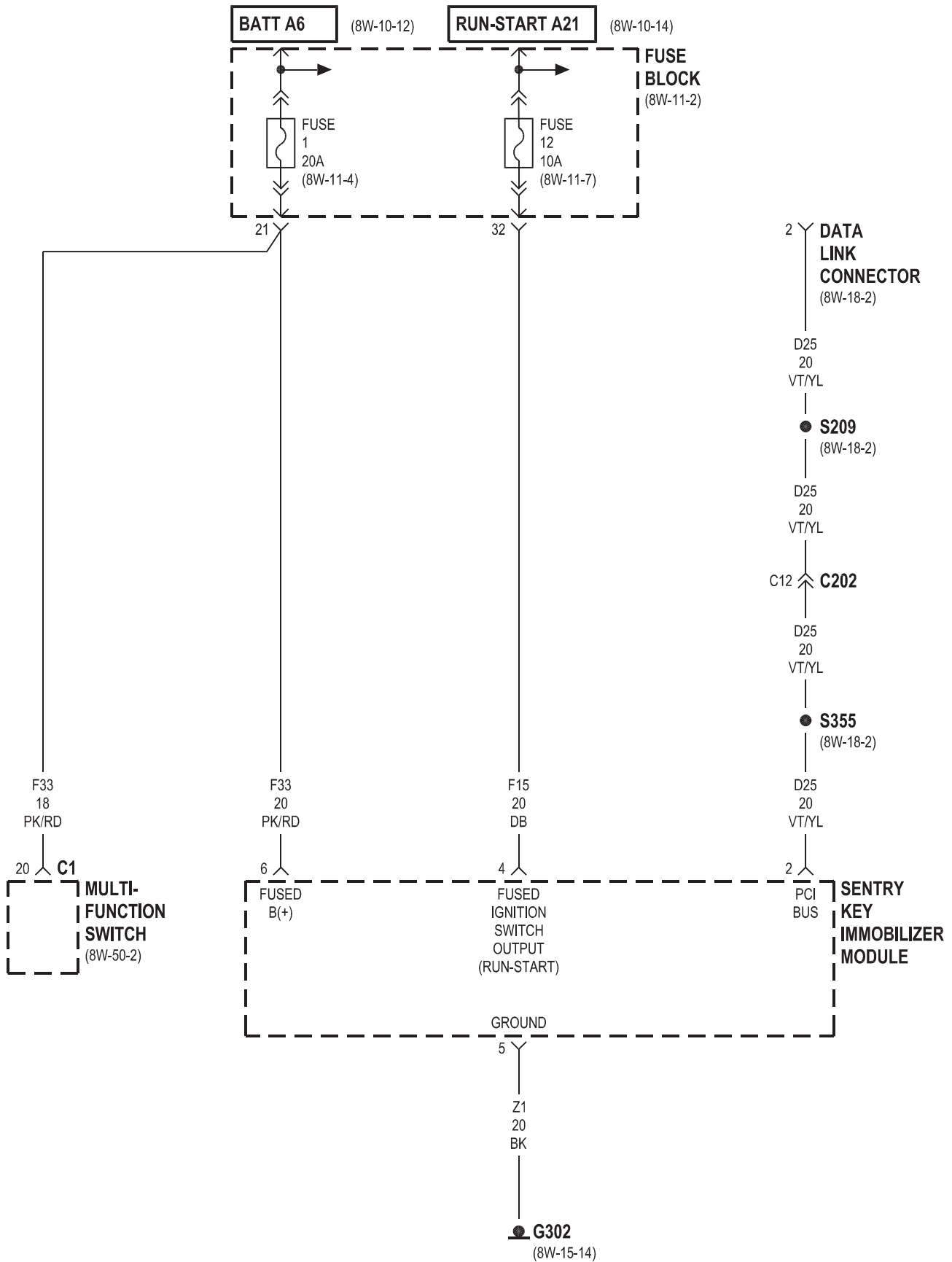
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8W-39 VEHICLE THEFT SECURITY SYSTEM

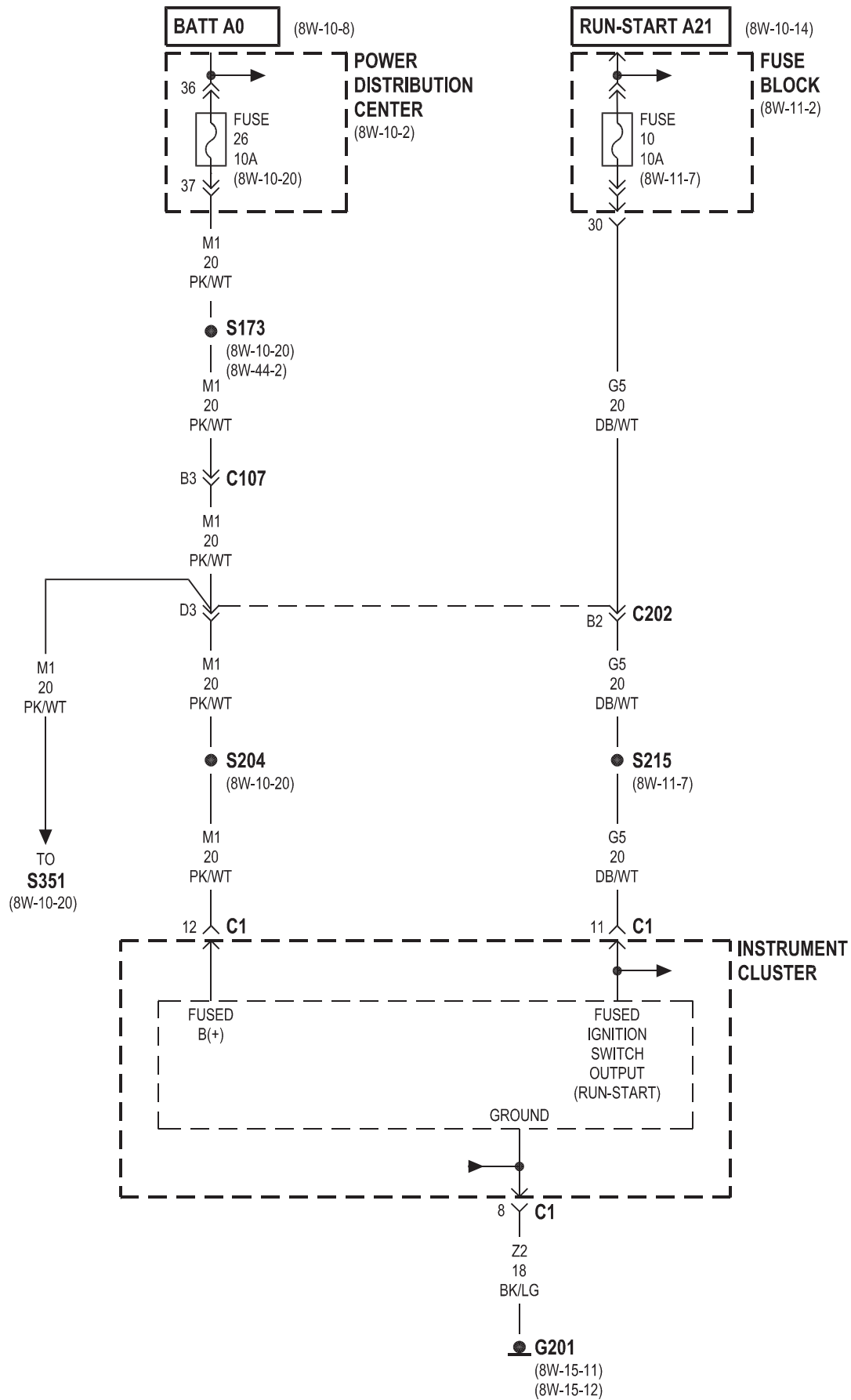
Component	Page	Component	Page
Data Link Connector	8W-39-2	G302	8W-39-2
Fuse 1	8W-39-2	Multi-Function Switch	8W-39-2
Fuse 12	8W-39-2	Sentry Key Immobilizer Module	8W-39-2
Fuse Block	8W-39-2		



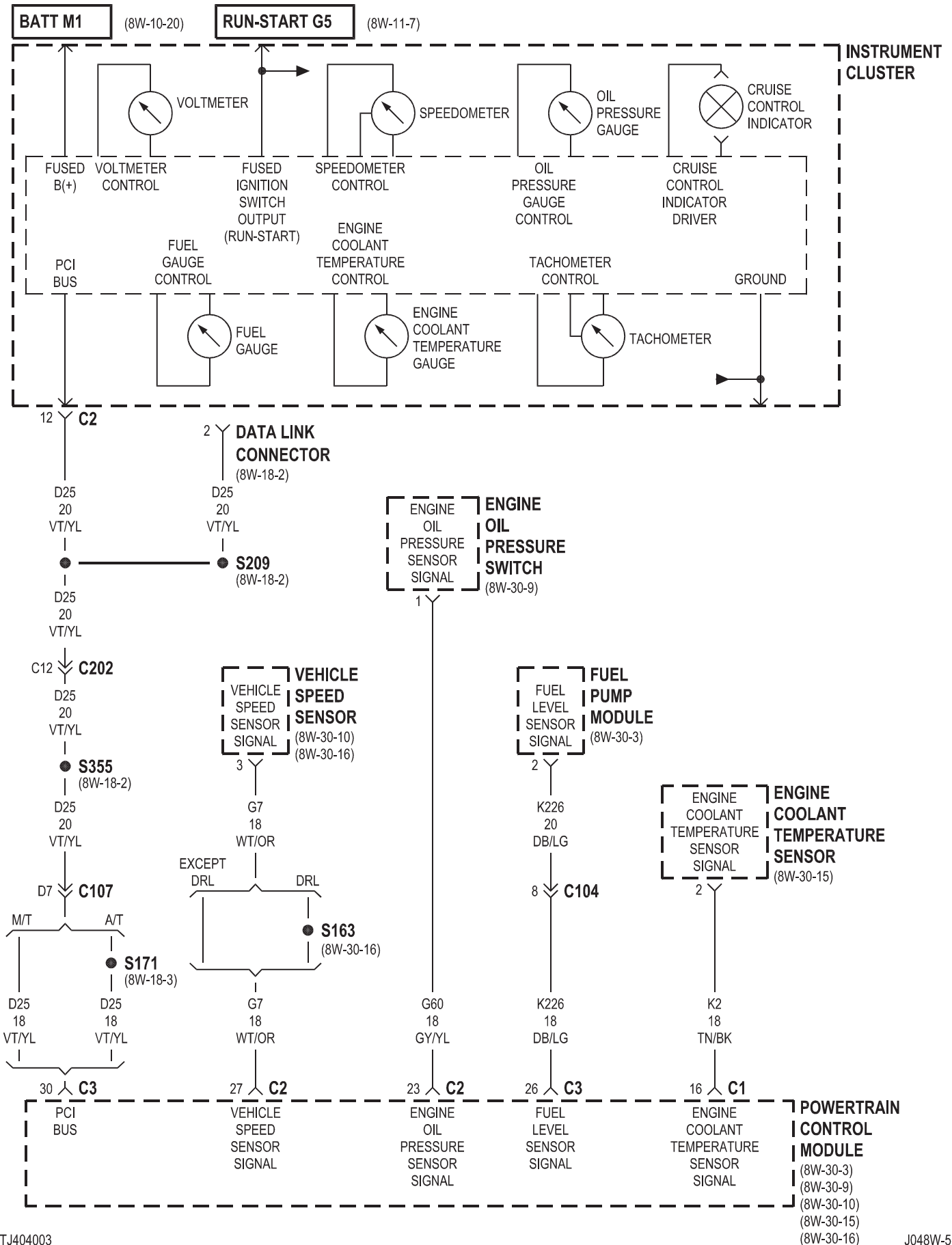
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8W-40 INSTRUMENT CLUSTER

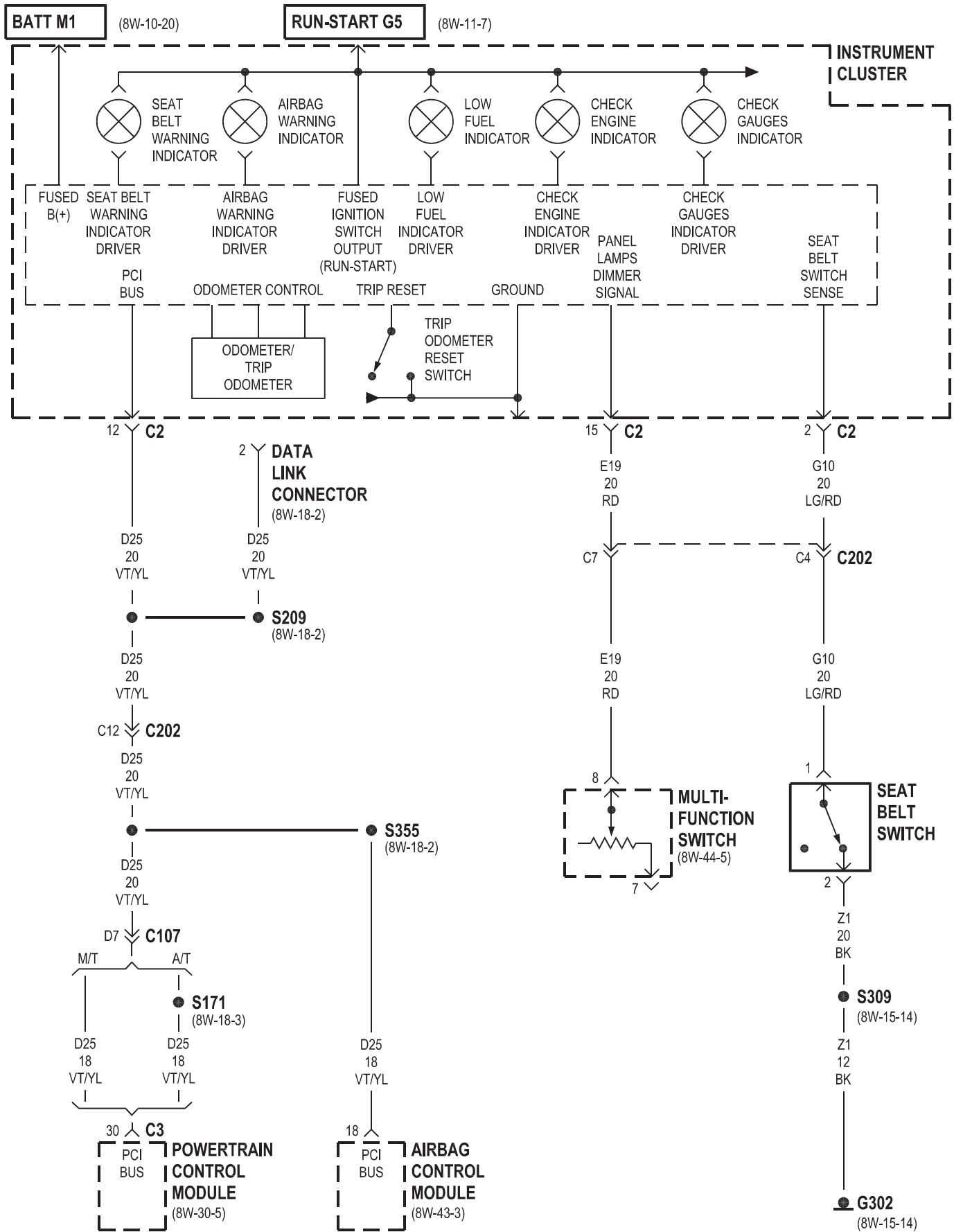
Component	Page	Component	Page
Airbag Control Module	8W-40-4	G201	8W-40-2
Antilock Brake Relay	8W-40-7	G300	8W-40-8
Axle Lock Switch	8W-40-6	G302	8W-40-4
Brake Warning Indicator Switch	8W-40-7	Ignition Switch	8W-40-8
Data Link Connector	8W-40-3, 4, 9	Instrument Cluster	8W-40-2, 3, 4, 5, 6, 7, 8, 9, 10
Daytime Running Lamp Module	8W-40-5, 10	Multi-Function Switch	8W-40-4, 5, 8, 10
Driver Door Ajar Switch	8W-40-8	Park Brake Switch	8W-40-7
Engine Coolant Temperature Sensor	8W-40-3	Passenger Door Ajar Switch	8W-40-8
Engine Oil Pressure Switch	8W-40-3	Power Distribution Center	8W-40-2
Front Locker Indicator Switch	8W-40-6	Powertrain Control Module	8W-40-3, 4
Fuel Pump Module	8W-40-3	Rear Locker Indicator Switch	8W-40-6
Fuse 4	8W-40-8	Rear Window Defogger Relay	8W-40-9
Fuse 10	8W-40-2	Rear Window Defogger Switch	8W-40-9
Fuse 26	8W-40-2	Seat Belt Switch	8W-40-4
Fuse Block	8W-40-2, 8	Transfer Case Switch	8W-40-5
G105	8W-40-5	Vehicle Speed Sensor	8W-40-3



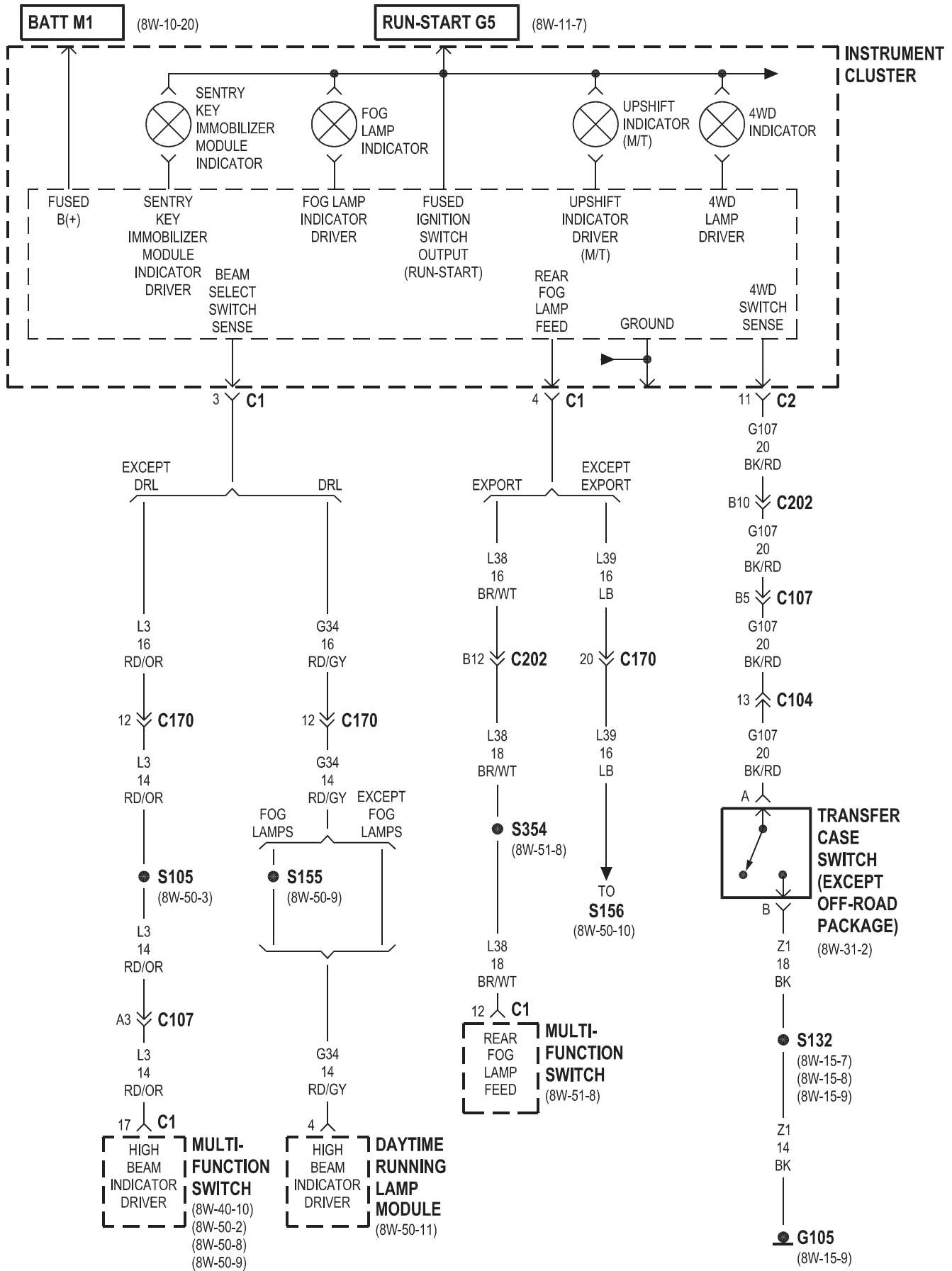
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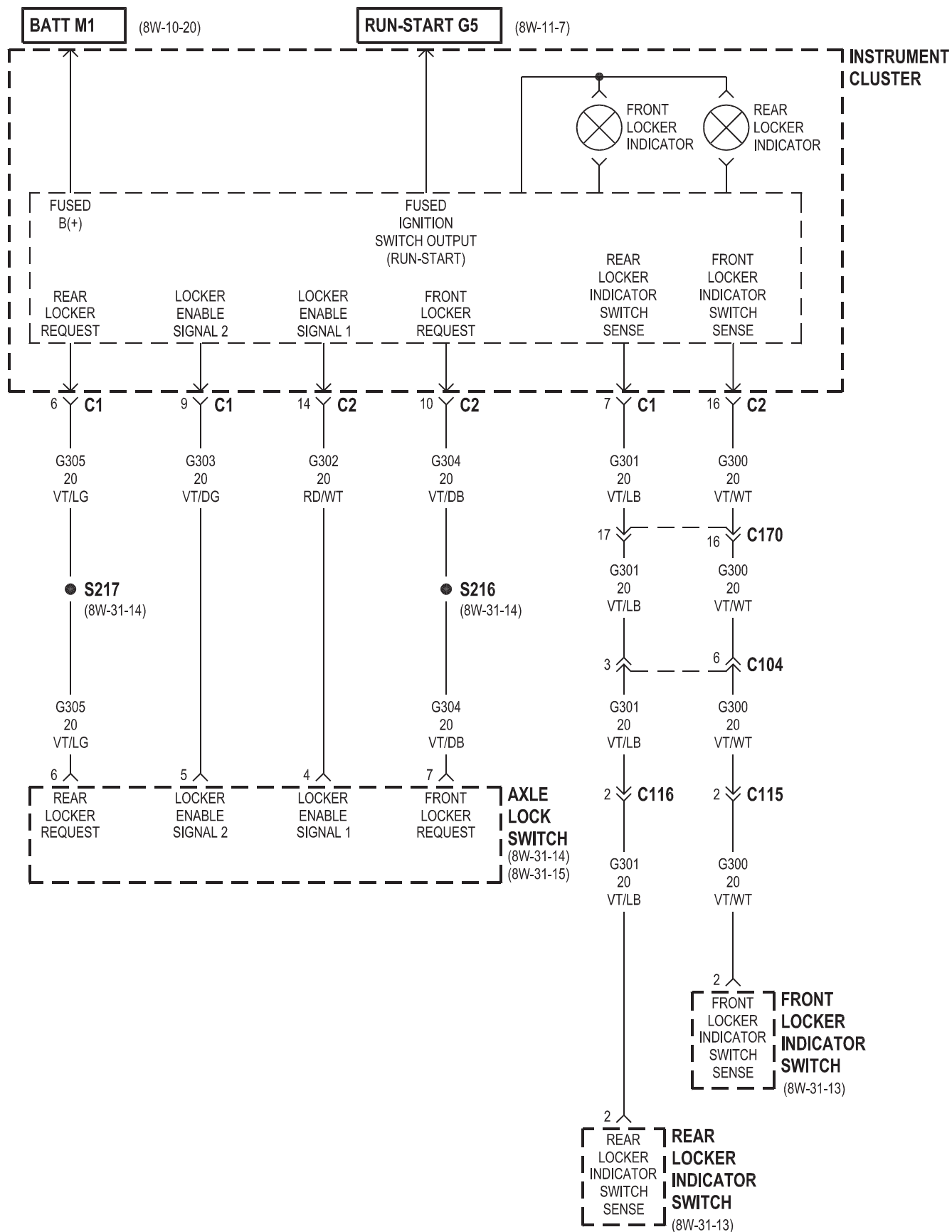
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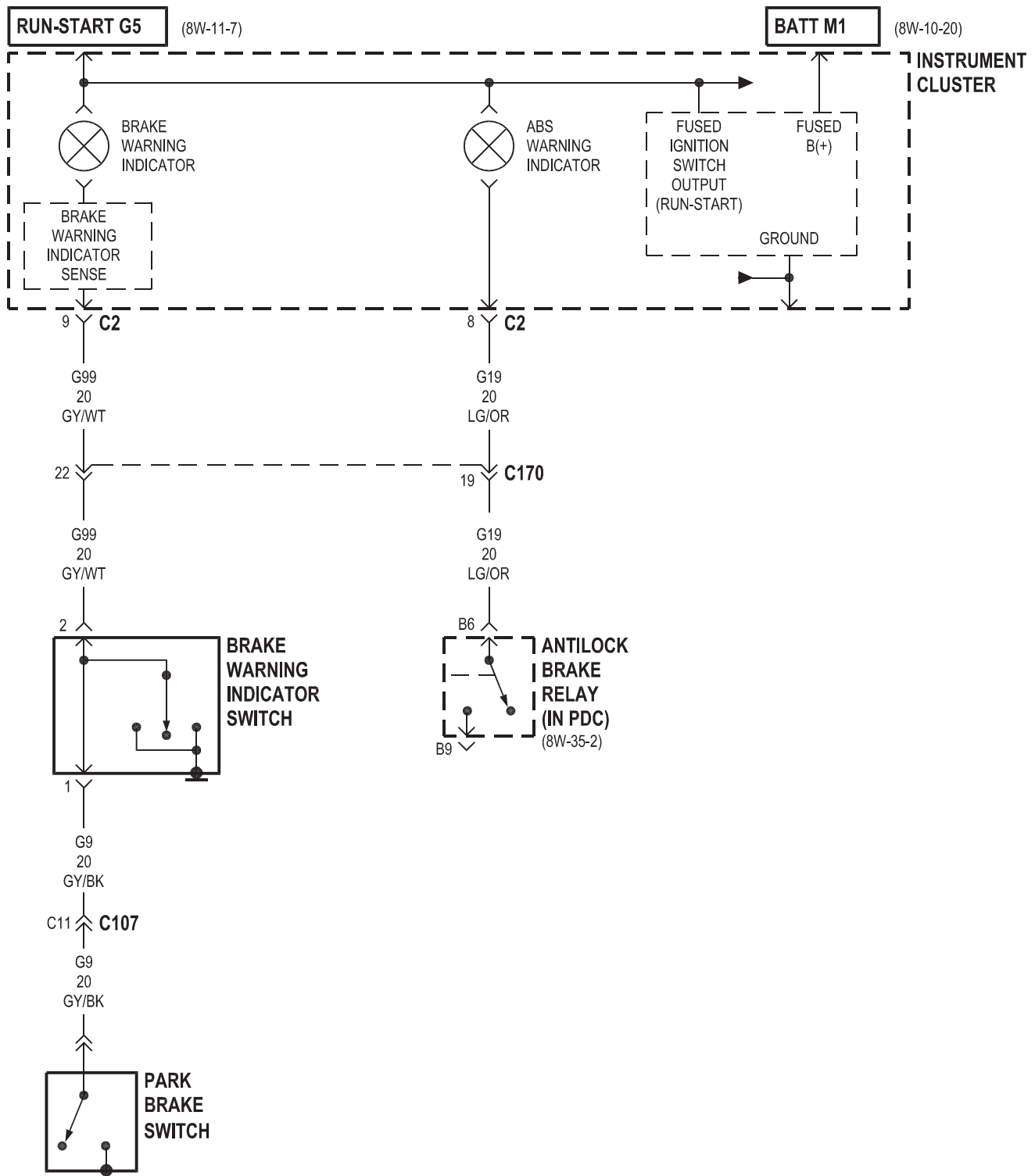
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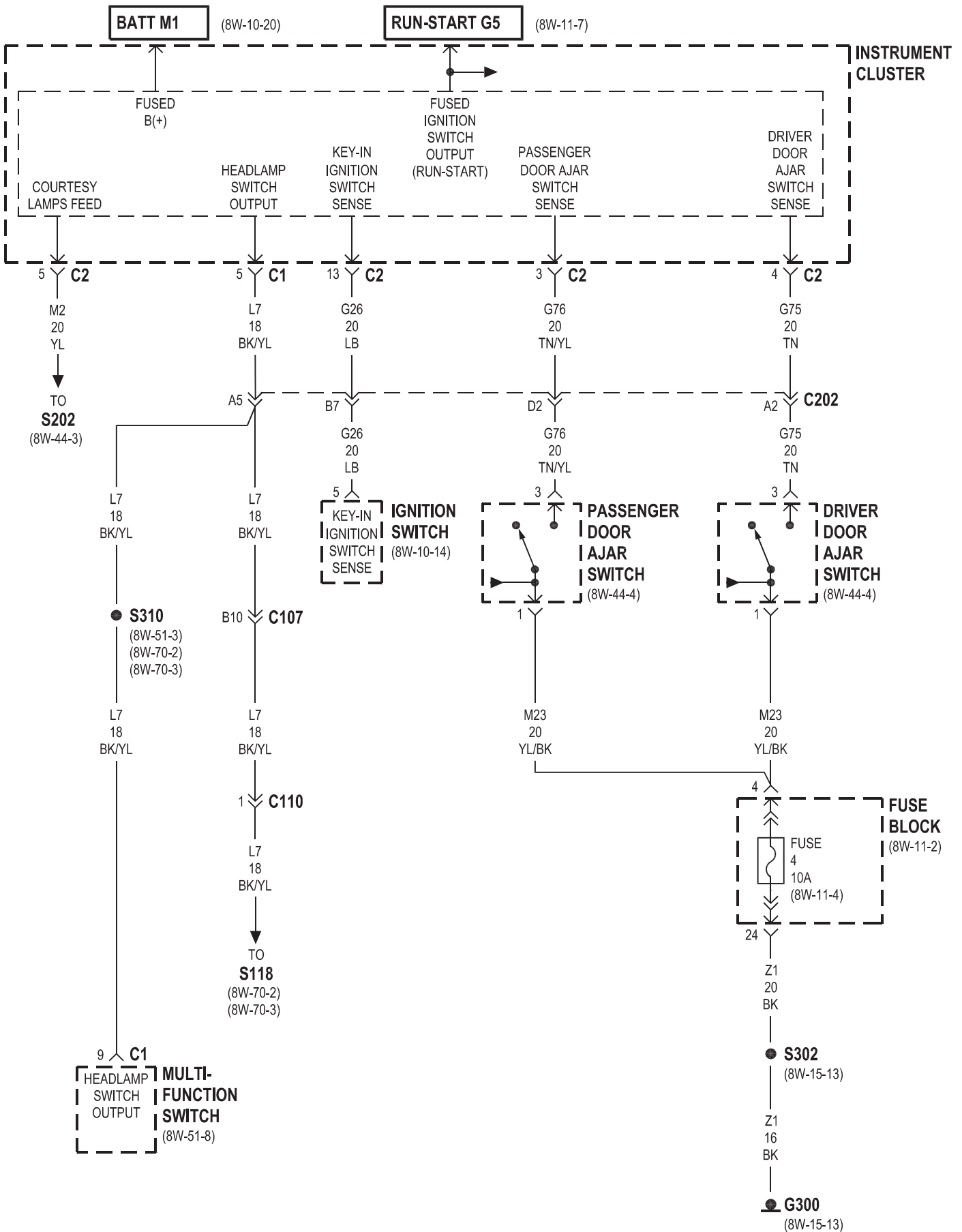
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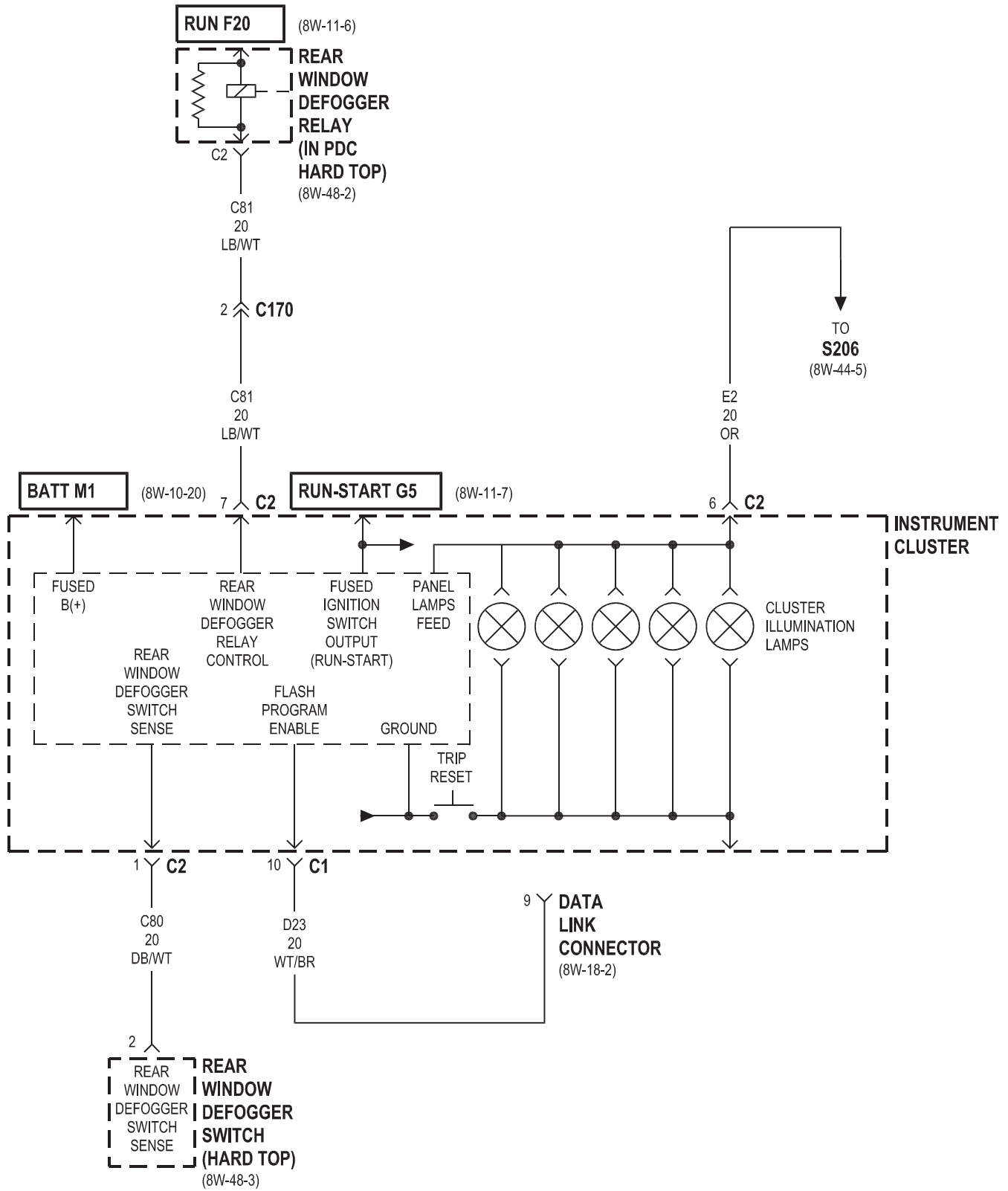
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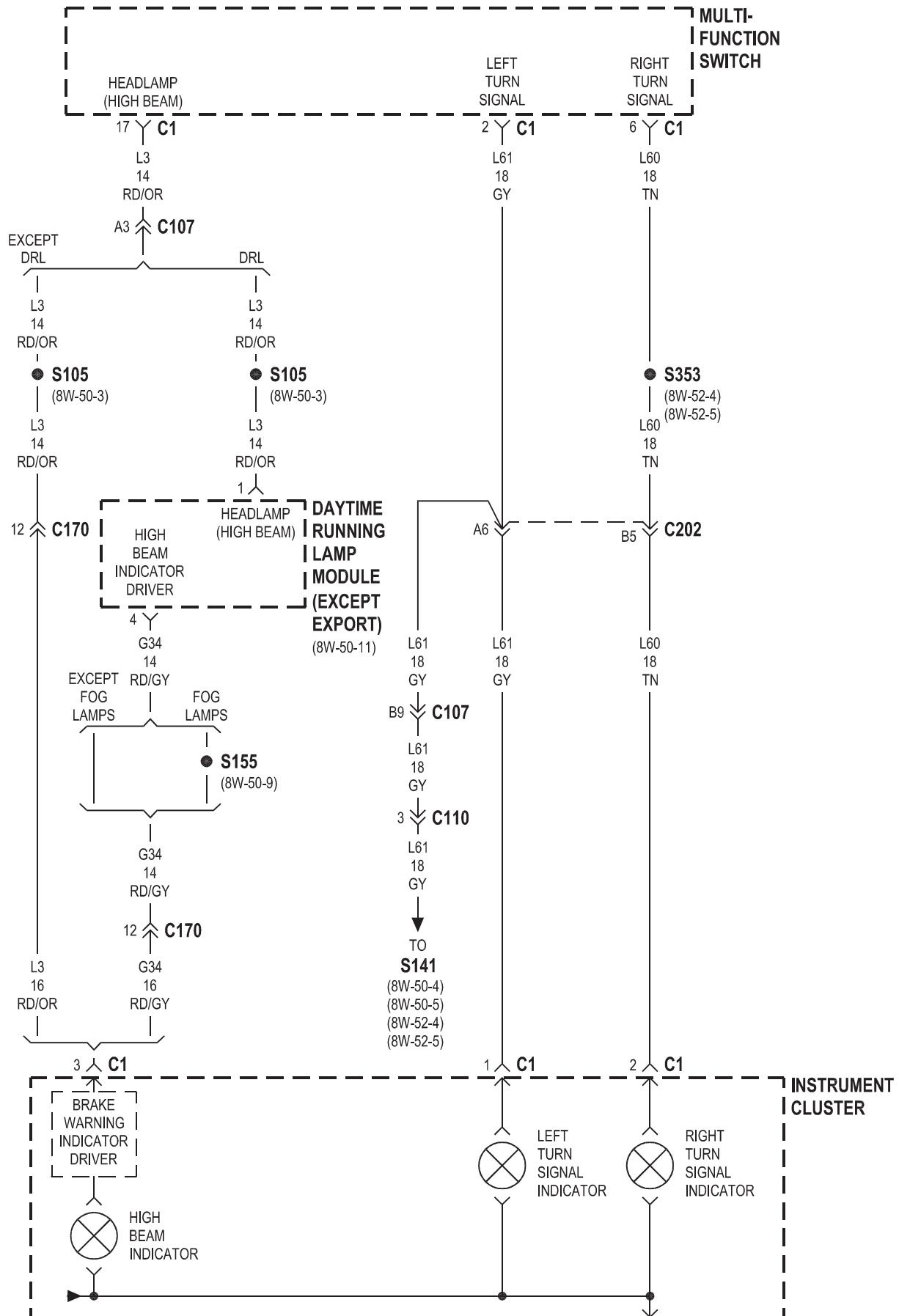
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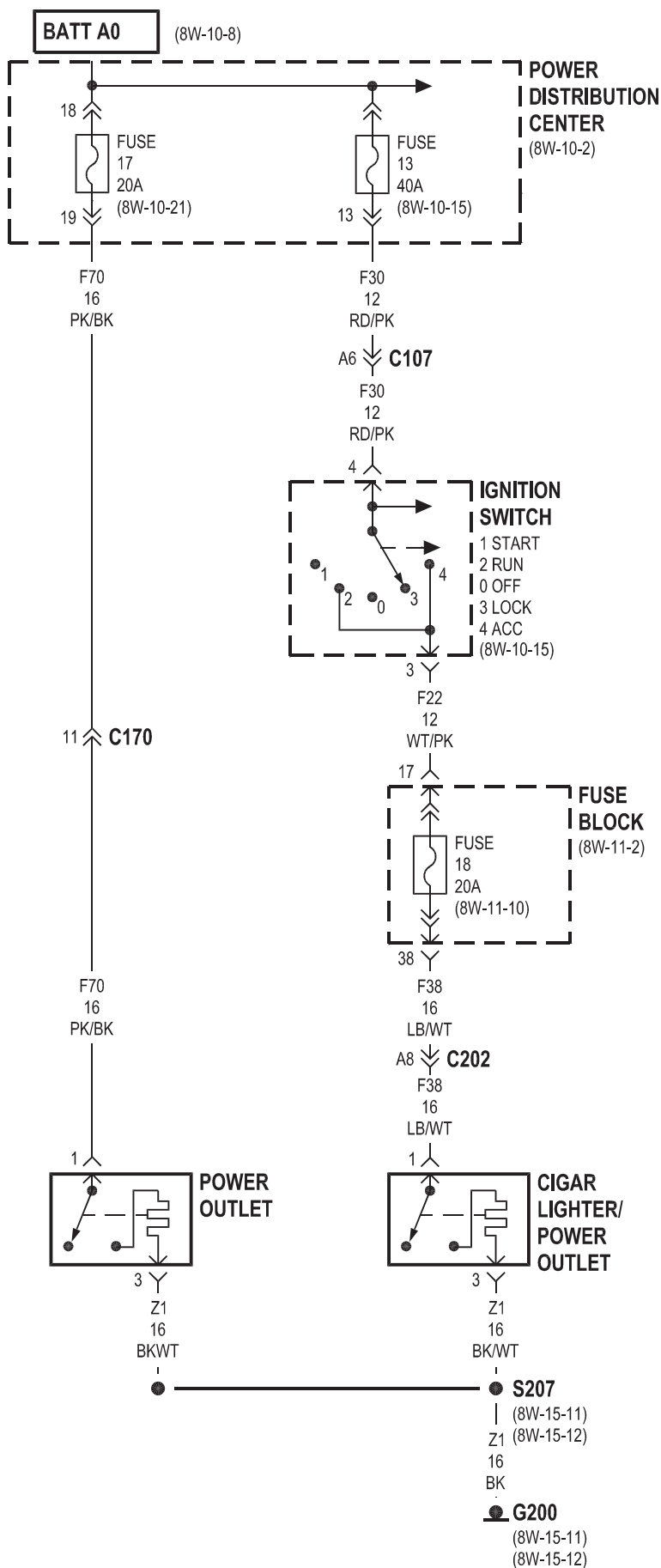
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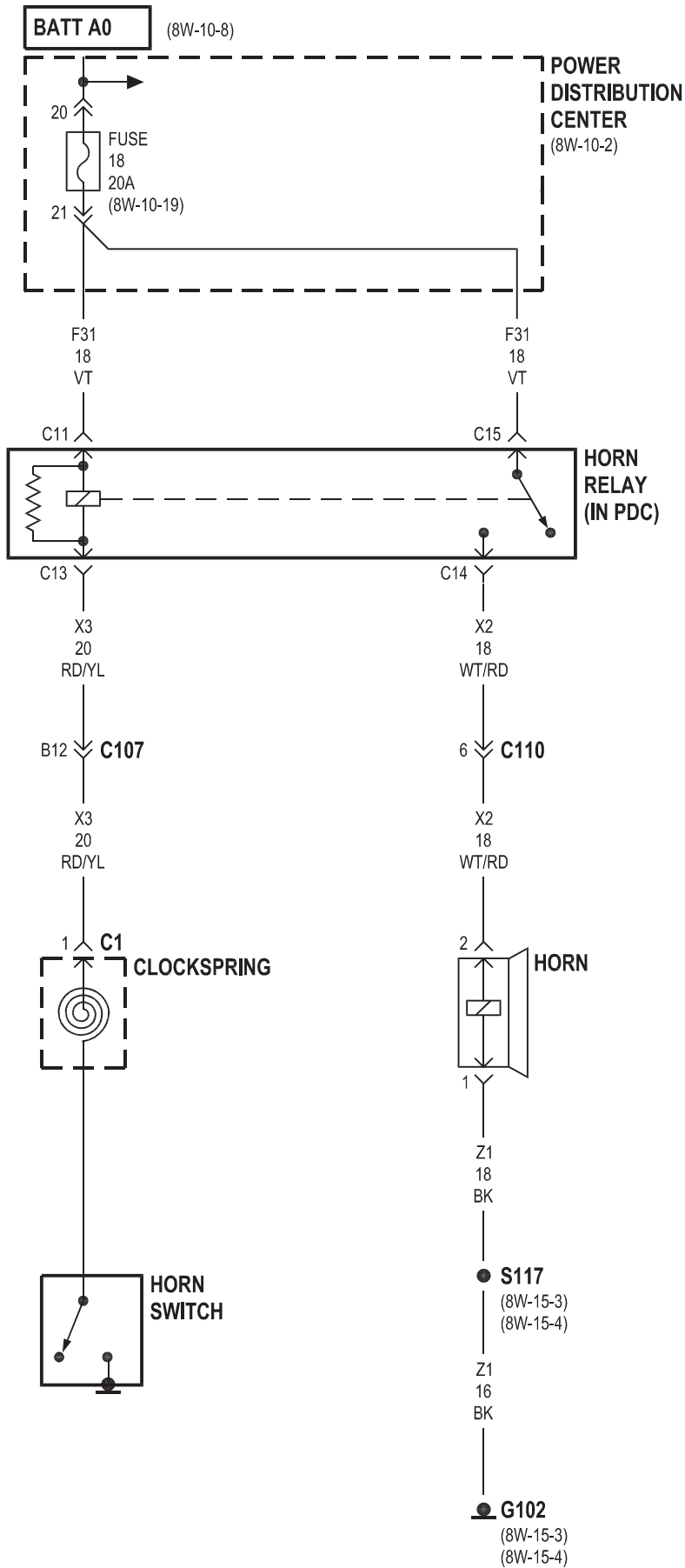
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8W-41 HORN/CIGAR LIGHTER/POWER OUTLET

Component	Page	Component	Page
Cigar Lighter/Power Outlet	8W-41-2	G200	8W-41-2
Clockspring	8W-41-3	Horn	8W-41-3
Fuse 13	8W-41-2	Horn Relay	8W-41-3
Fuse 17	8W-41-2	Horn Switch	8W-41-3
Fuse 18	8W-41-2, 3	Ignition Switch	8W-41-2
Fuse Block	8W-41-2	Power Distribution Center	8W-41-2, 3
G102	8W-41-3	Power Outlet	8W-41-2



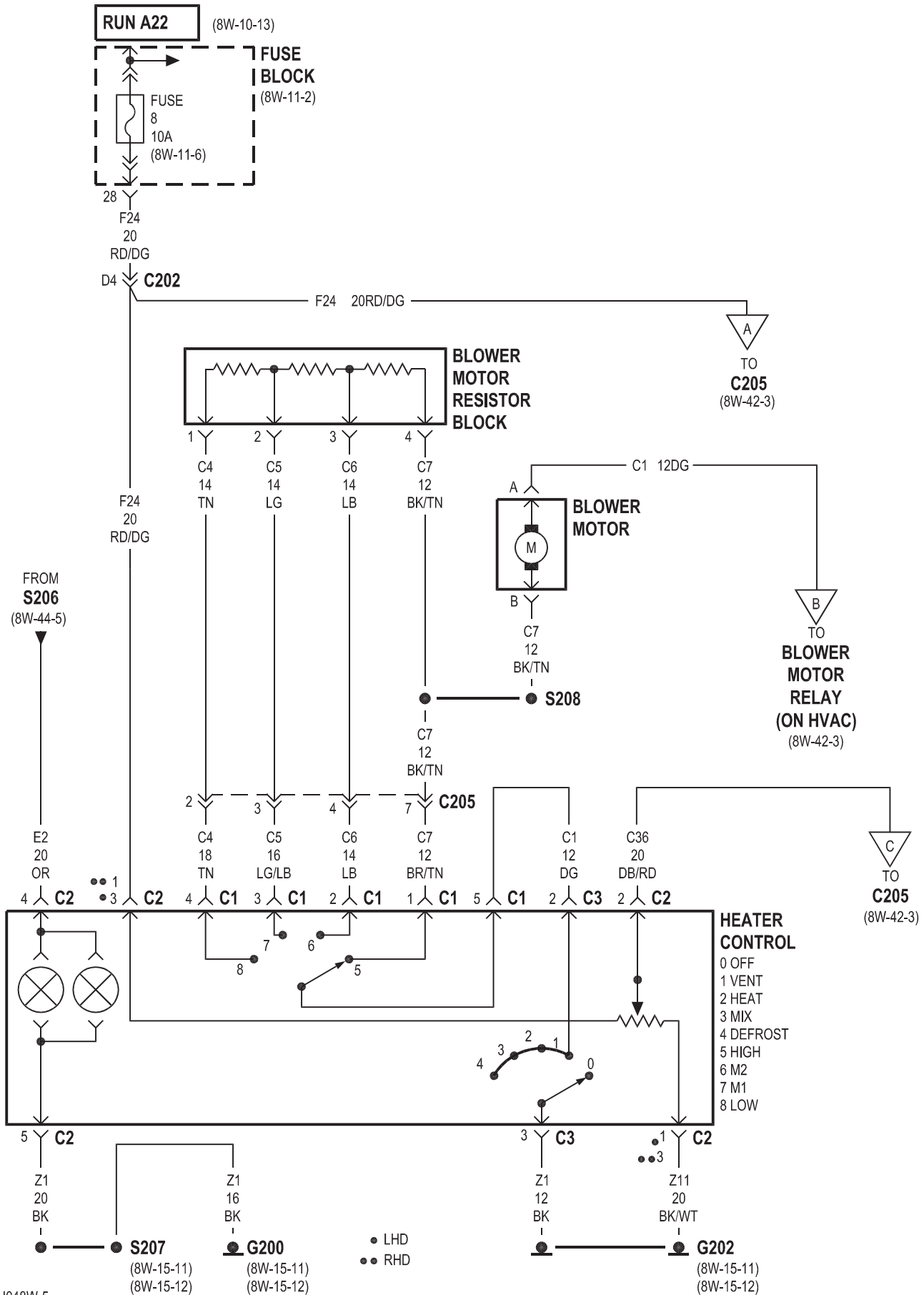
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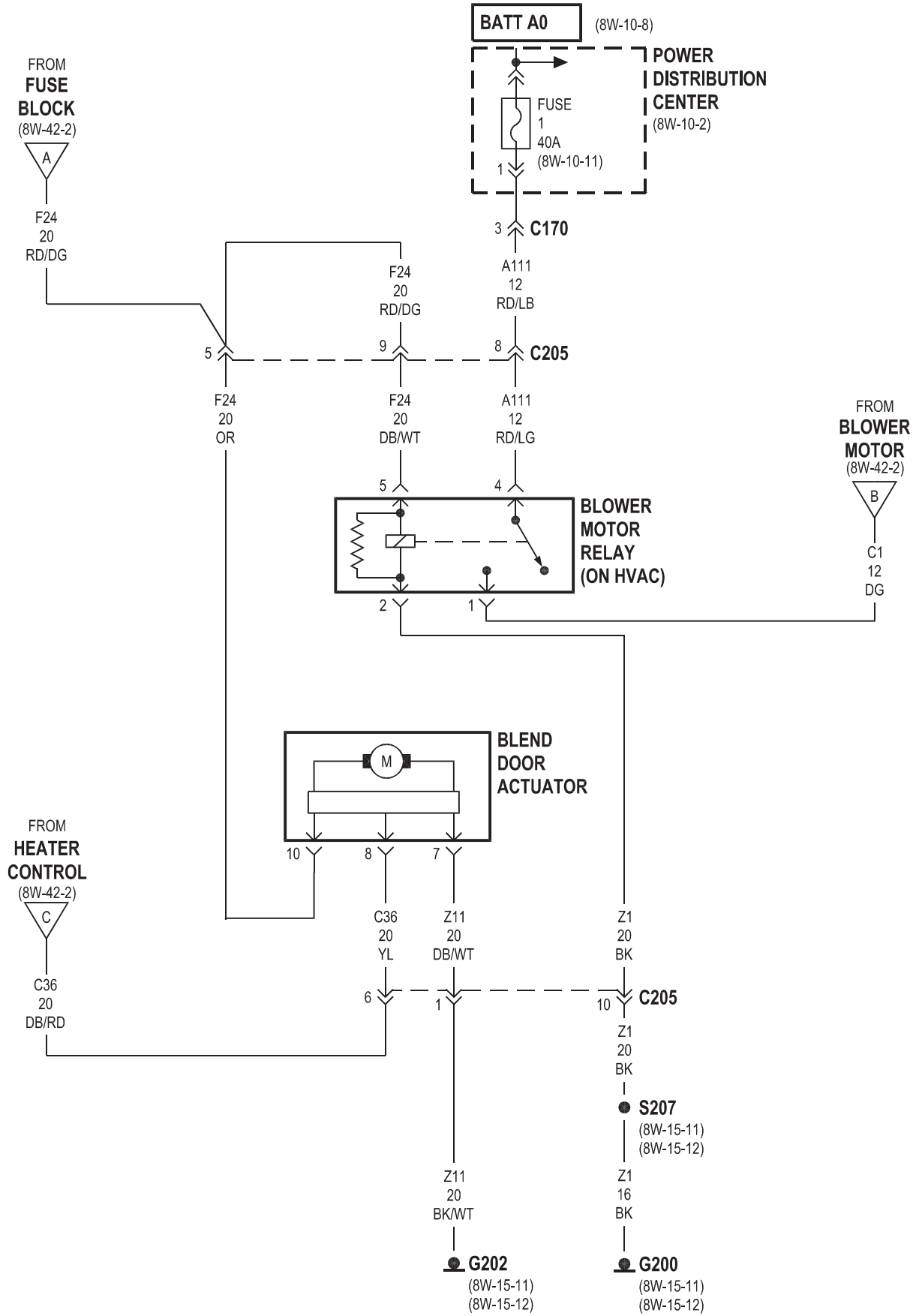
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8W-42 AIR CONDITIONING-HEATER

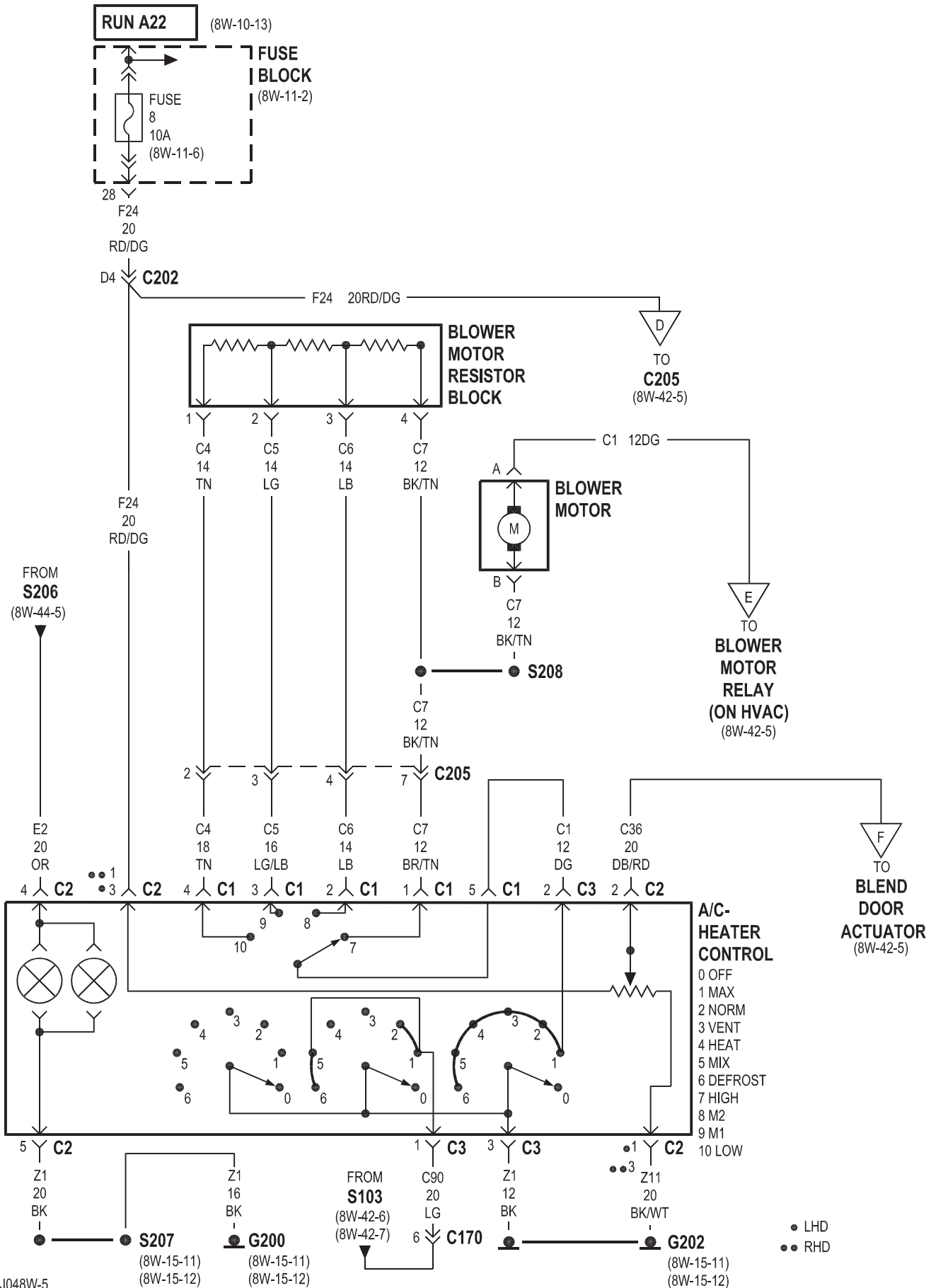
Component	Page	Component	Page
A/C Compressor Clutch	8W-42-6, 8	Fuse 11	8W-42-6, 7
A/C Compressor Clutch Relay	8W-42-6, 7, 8	Fuse 21	8W-42-6, 7
A/C High Pressure Switch	8W-42-6	Fuse Block	8W-42-2, 3, 4, 5, 6, 7, 9
A/C Low Pressure Switch	8W-42-6, 7	G105	8W-42-6, 8
A/C Pressure Transducer	8W-42-10	G190	8W-42-9
A/C-Heater Control	8W-42-4, 5, 6, 7	G200	8W-42-2, 3, 4, 5
Blend Door Actuator	8W-42-3, 4, 5	G202	8W-42-2, 3, 4, 5, 6, 7
Blower Motor	8W-42-2, 3, 4, 5	Heater Control	8W-42-2, 3
Blower Motor Relay	8W-42-2, 3, 4, 5	High Speed Radiator Fan Relay	8W-42-9
Blower Motor Resistor Block	8W-42-2, 4	Low Speed Radiator Fan Relay	8W-42-9
Fuse 1	8W-42-3, 5	Power Distribution Center	8W-42-3, 5, 6, 7, 9
Fuse 4	8W-42-9	Powertrain Control Module	8W-42-6, 7, 9, 10
Fuse 7	8W-42-9	Radiator Fan Motor	8W-42-9
Fuse 8	8W-42-2, 4	Radiator Fan Motor Circuit Breaker	8W-42-9



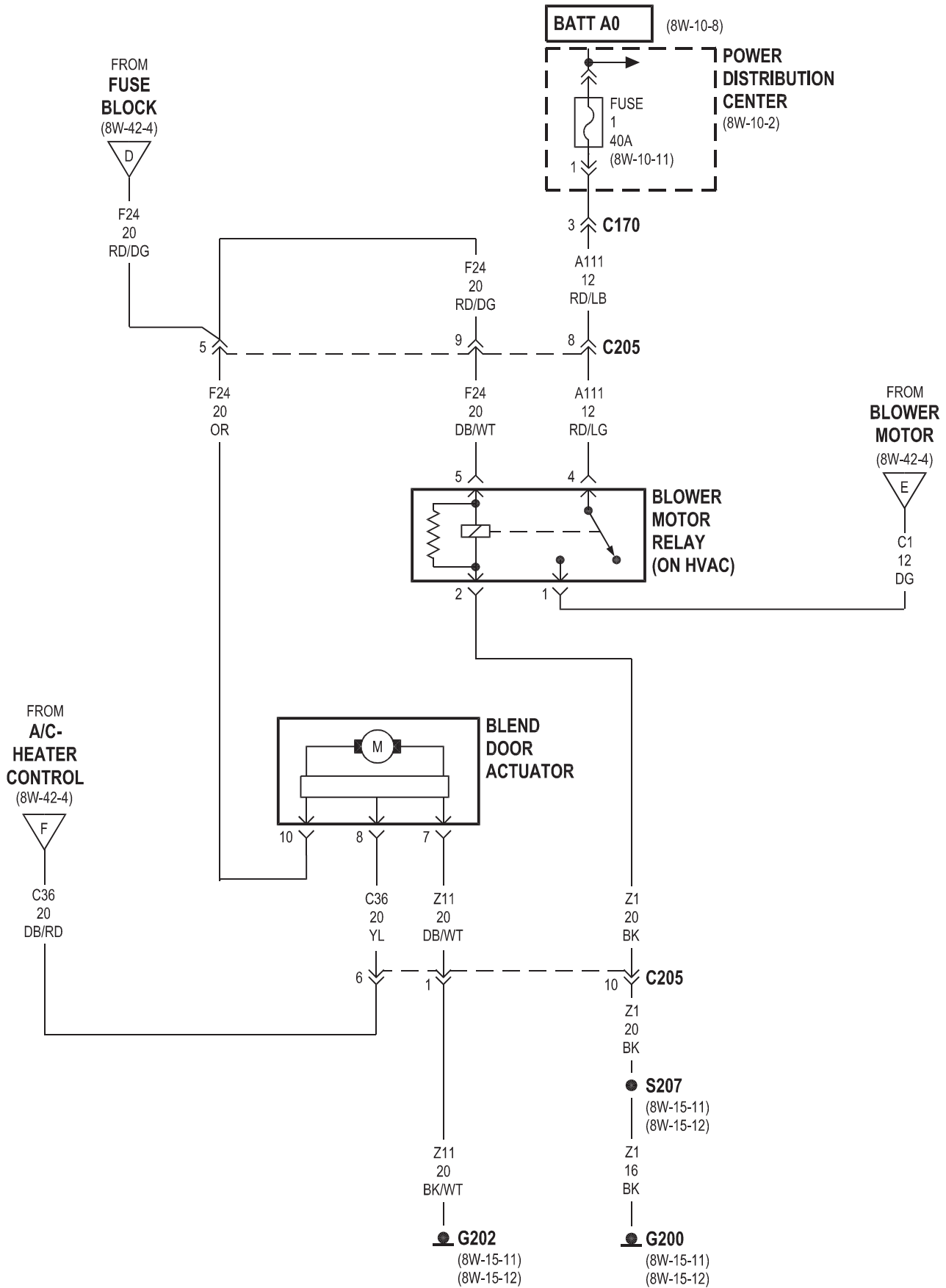
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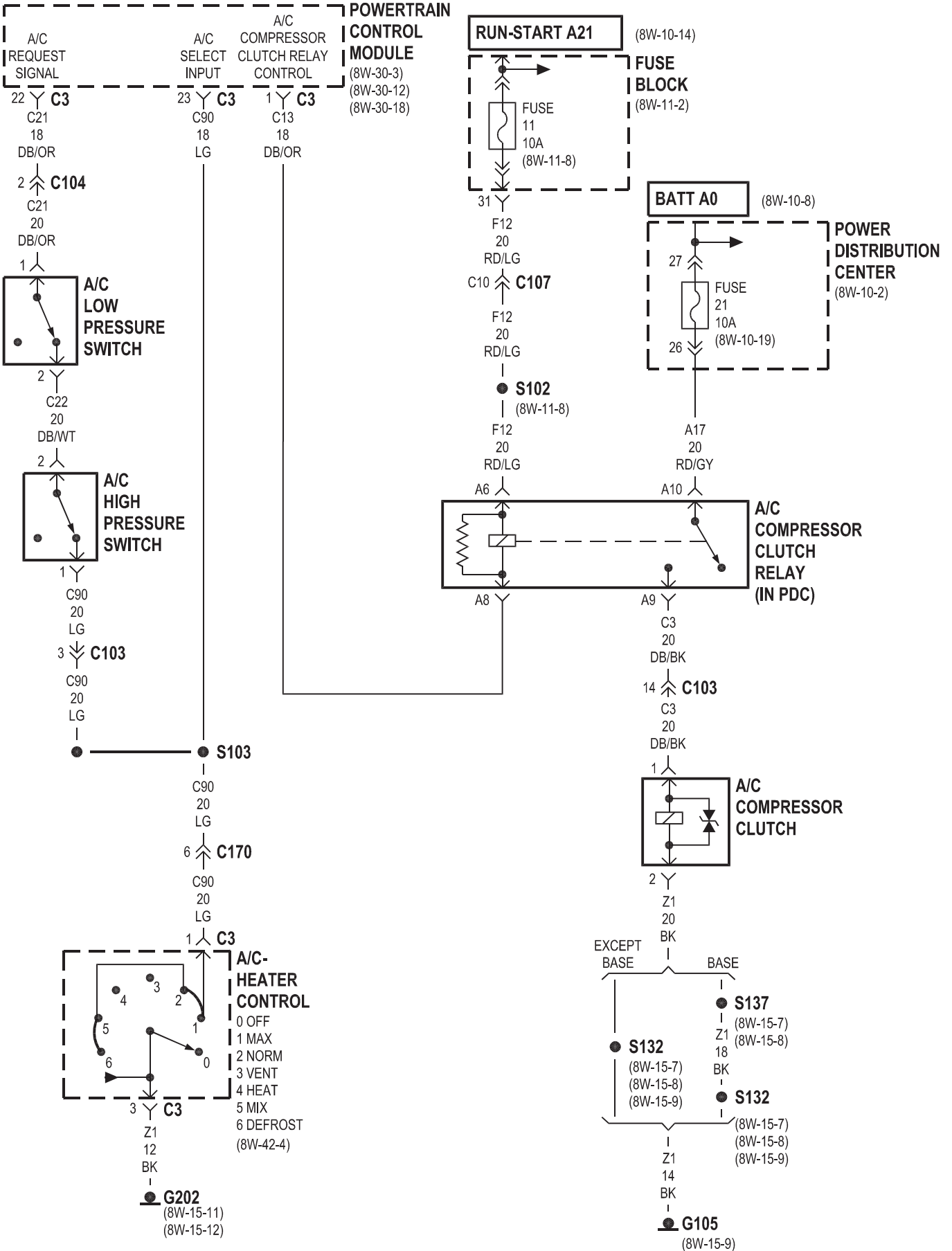


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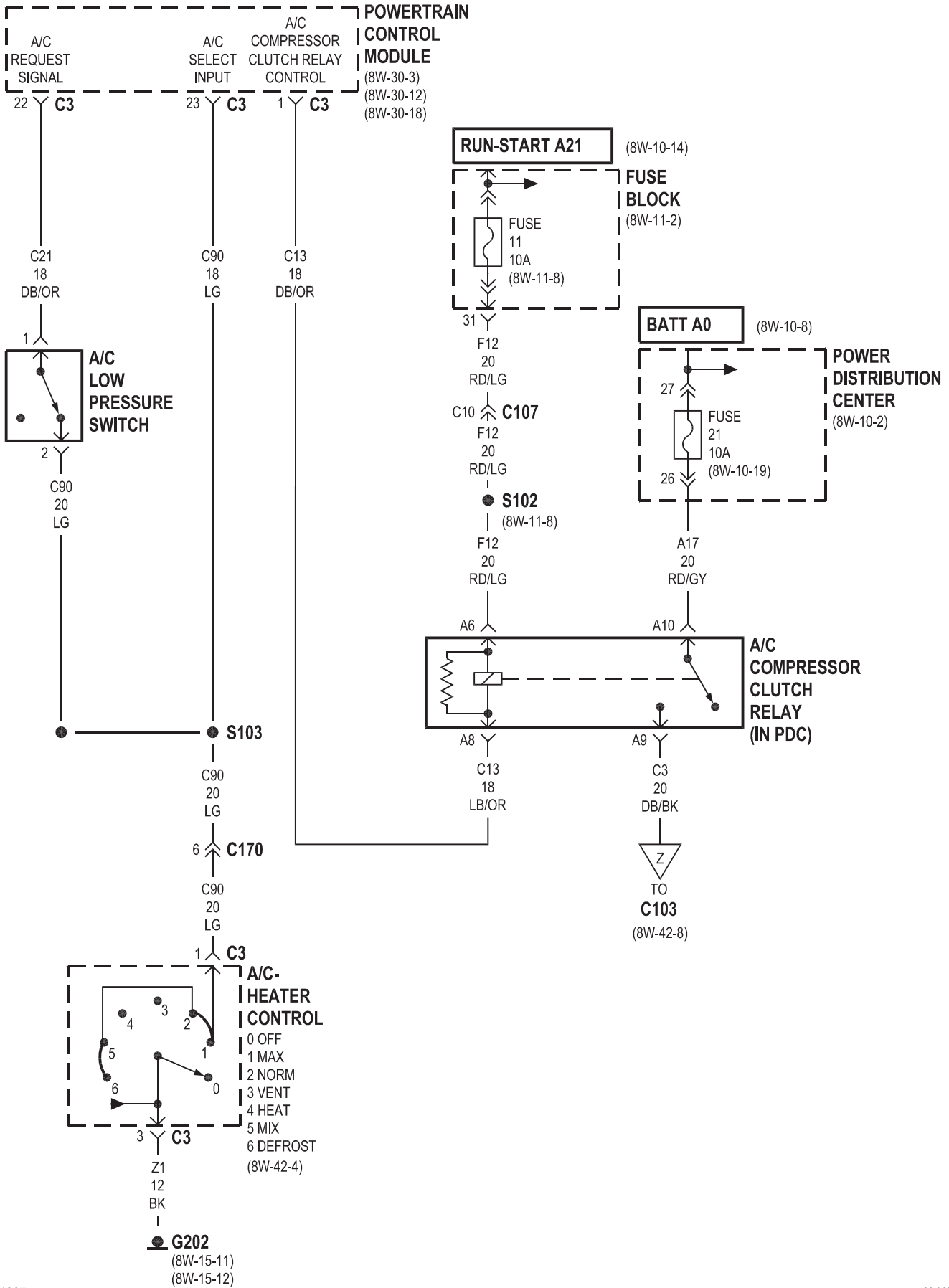


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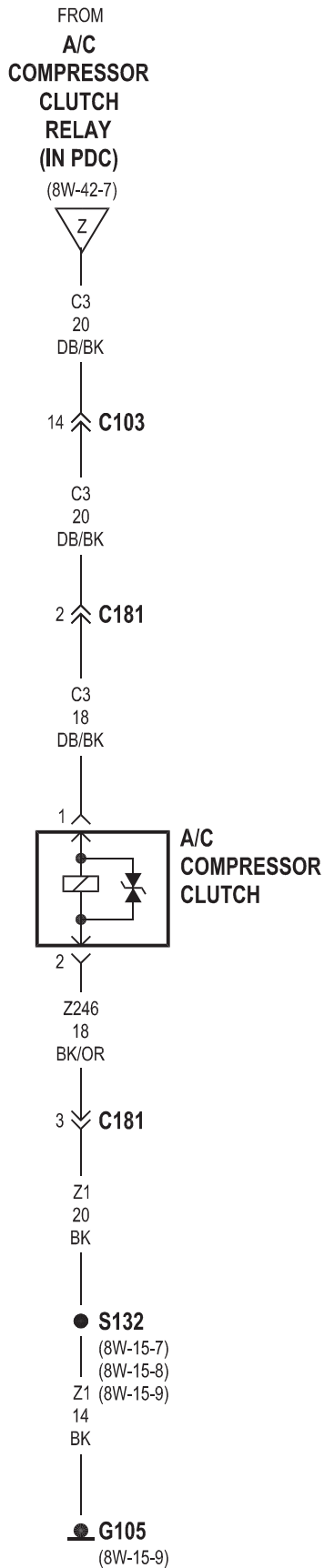
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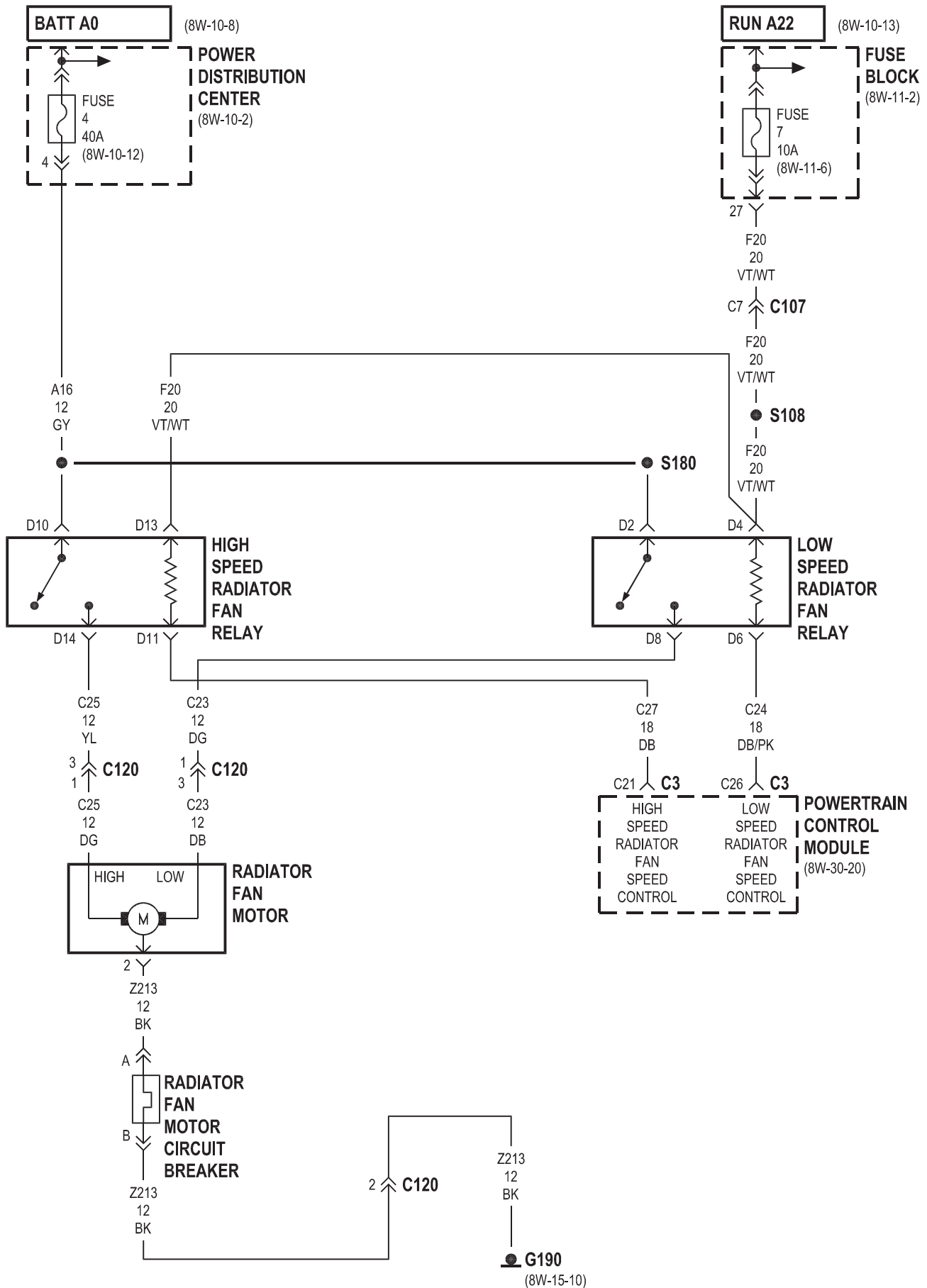


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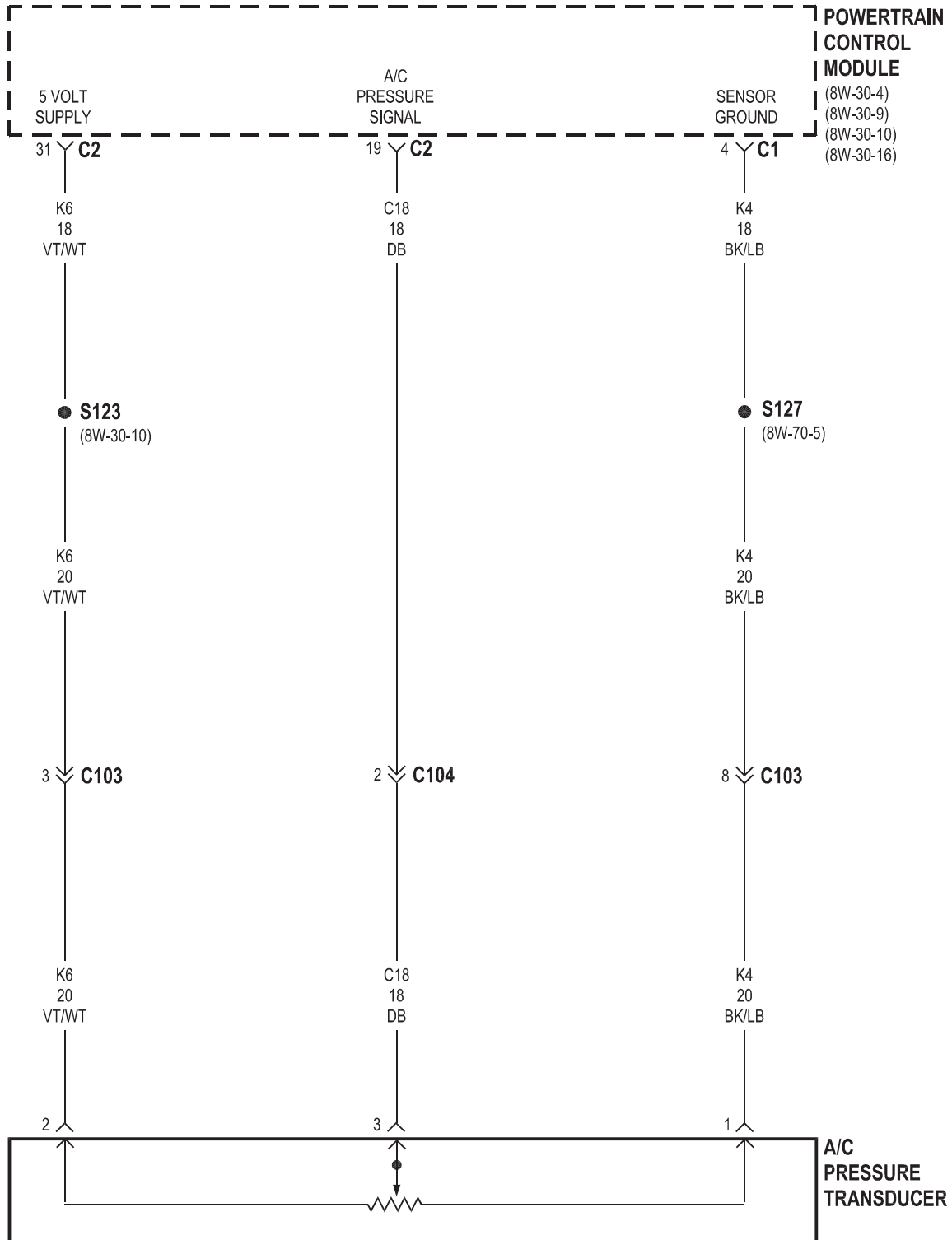


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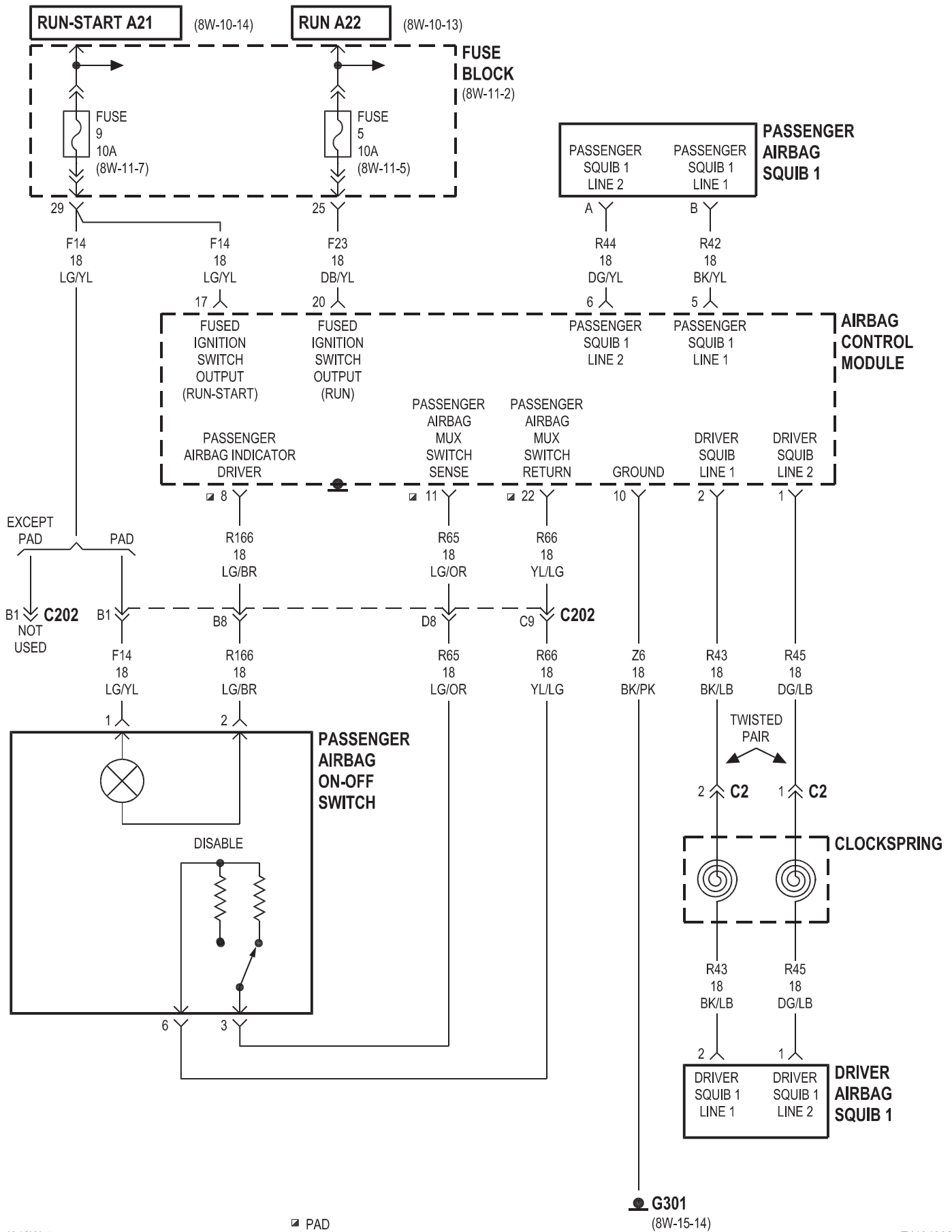
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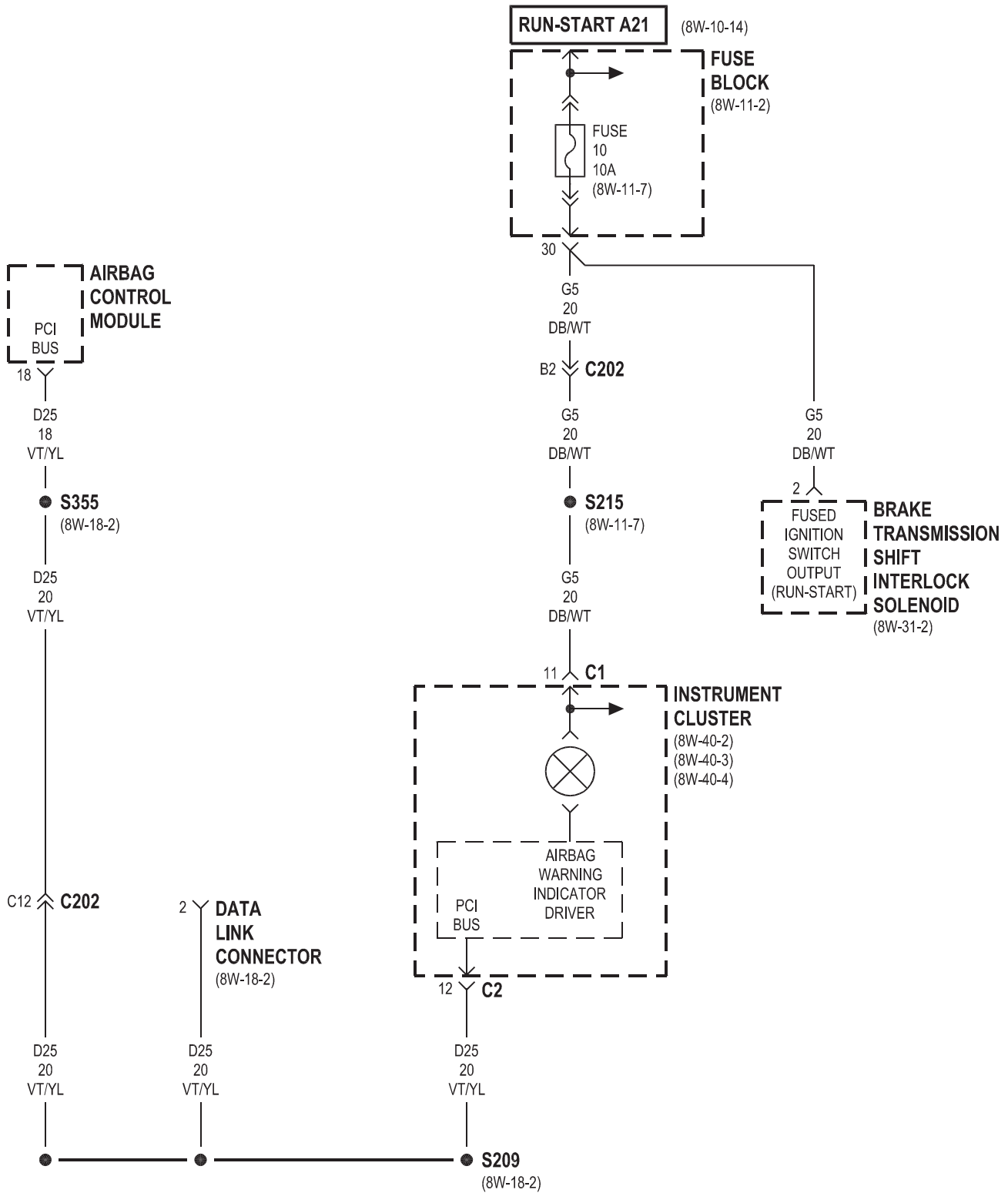
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8W-43 AIRBAG SYSTEM

Component	Page	Component	Page
Airbag Control Module	8W-43-2, 3	Fuse 9	8W-43-2
Brake Transmission Shift Interlock Solenoid	8W-43-3	Fuse 10	8W-43-3
Clockspring	8W-43-2	Fuse Block	8W-43-2, 3
Data Link Connector	8W-43-3	G301	8W-43-2
Driver Airbag Squib 1	8W-43-2	Instrument Cluster	8W-43-3
Fuse 5	8W-43-2	Passenger Airbag On-Off Switch	8W-43-2
		Passenger Airbag Squib 1	8W-43-2



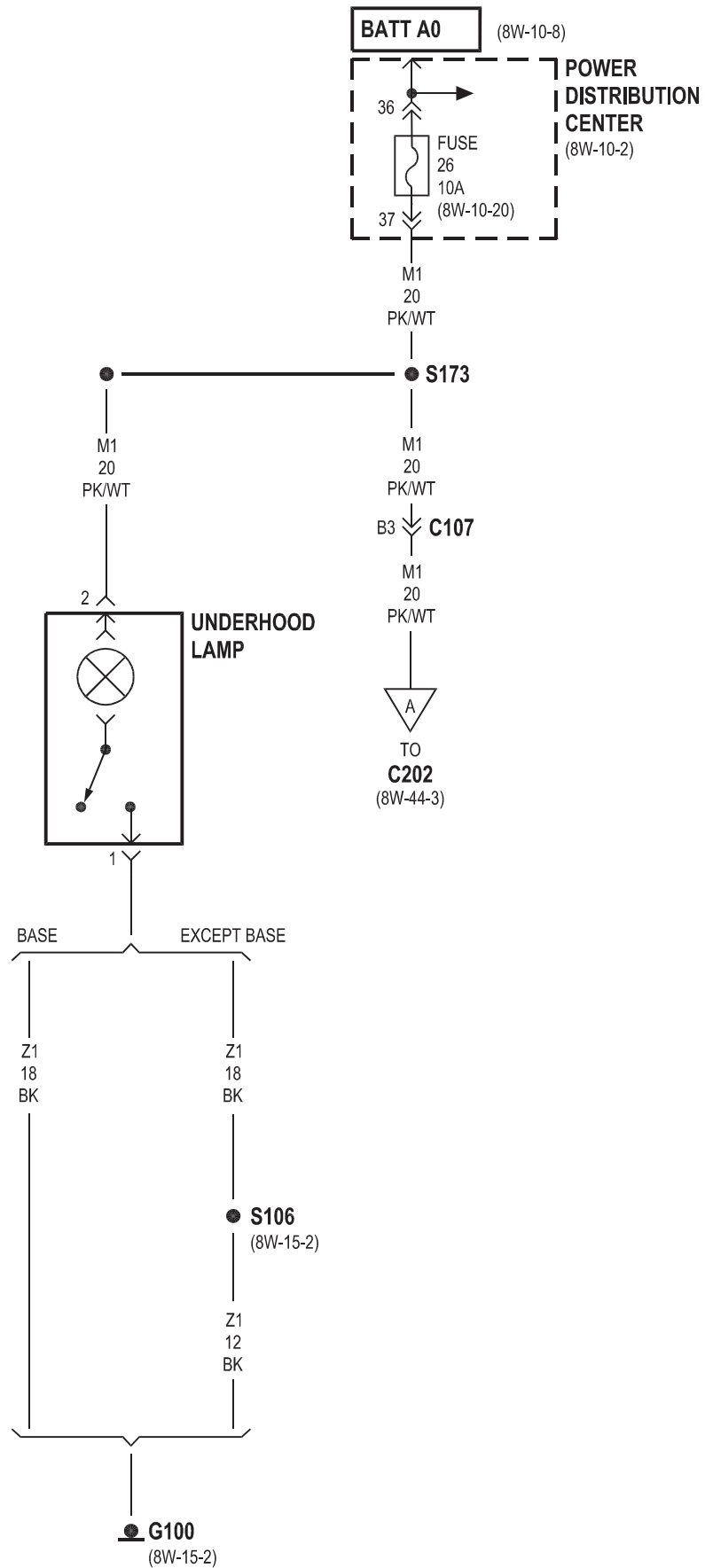
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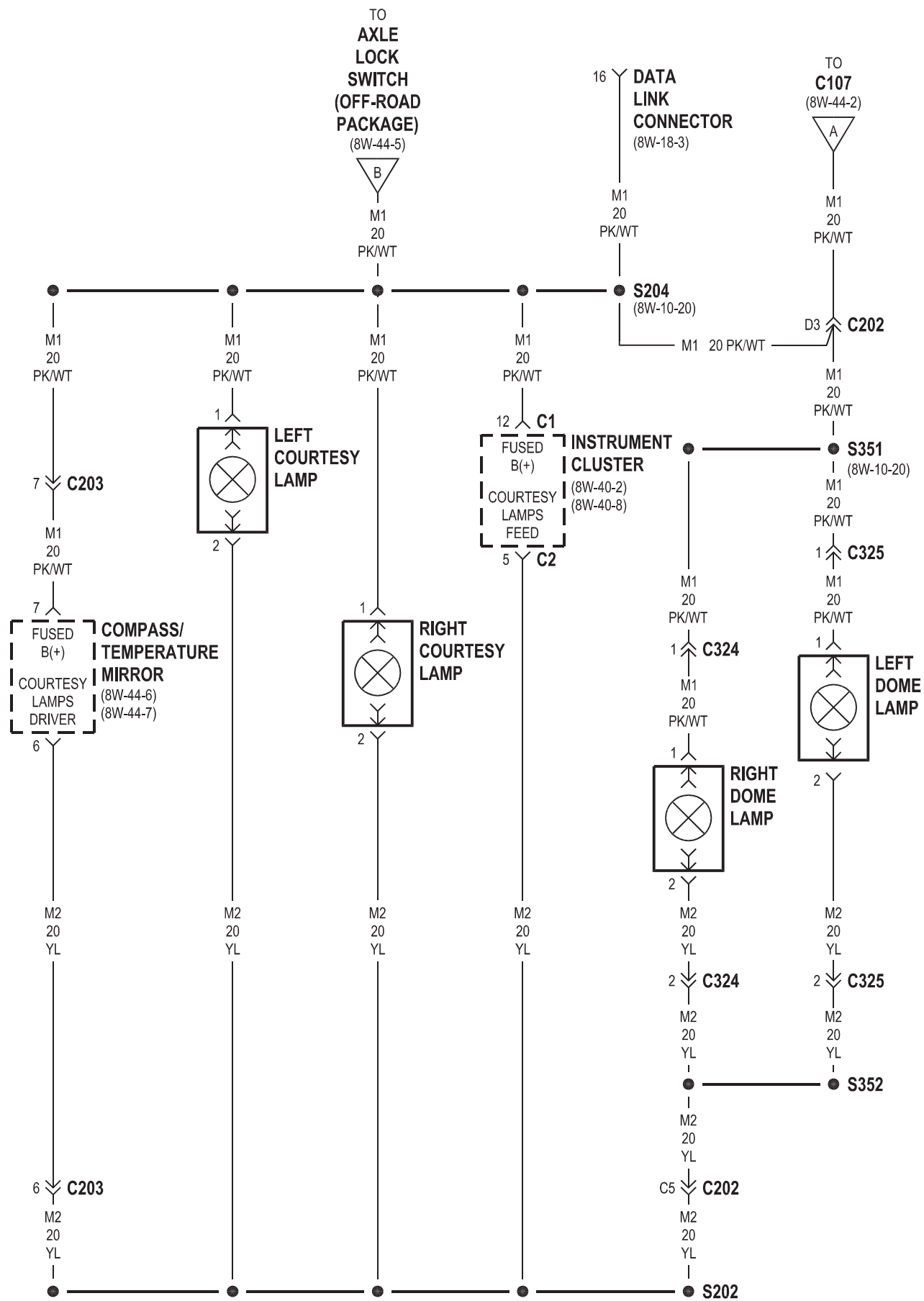
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8W-44 INTERIOR LIGHTING

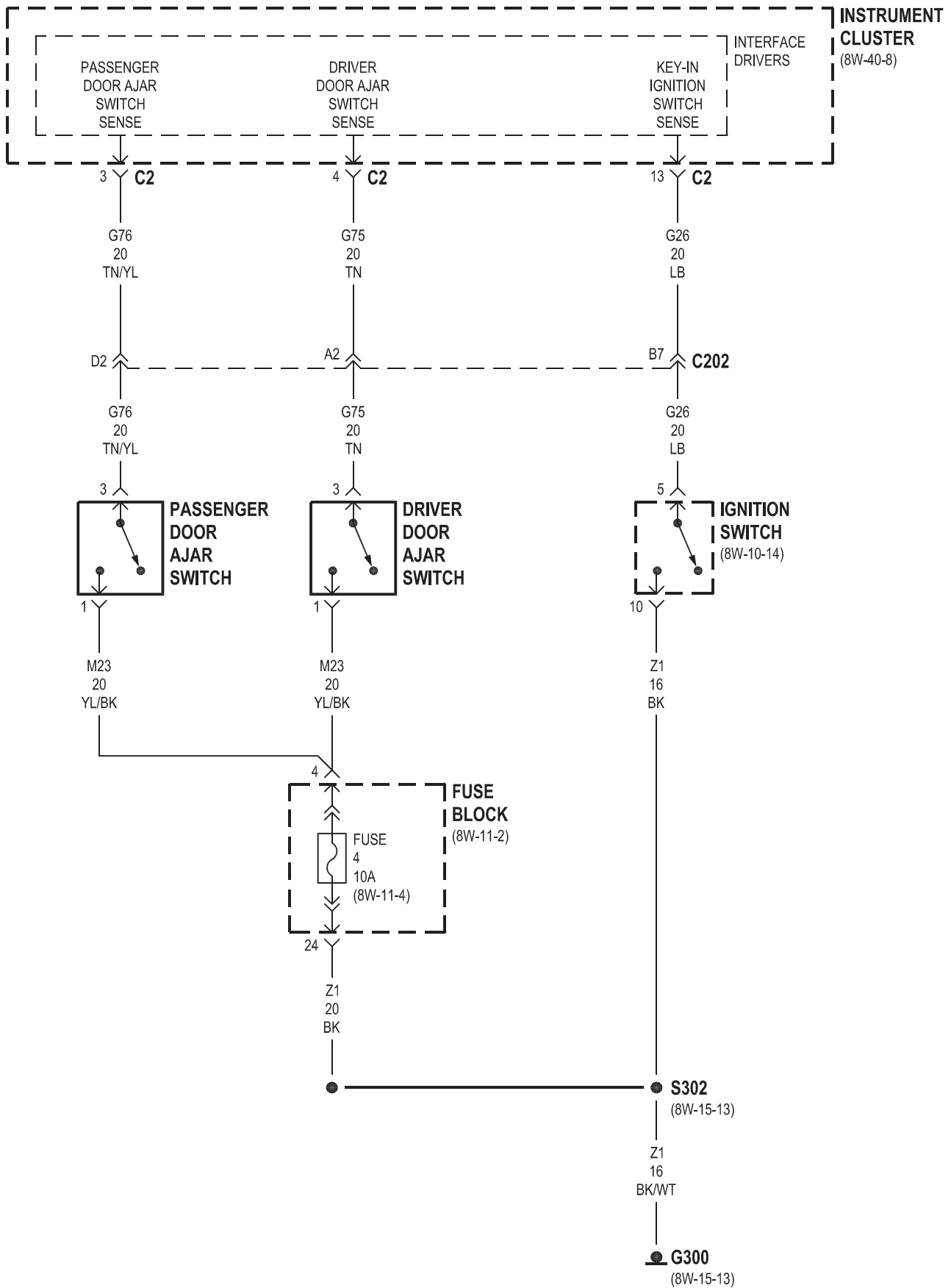
Component	Page	Component	Page
A/C-Heater Control	8W-44-5	Instrument Cluster	8W-44-3, 4, 5, 7
Ambient Temperature Sensor	8W-44-7	Left Courtesy Lamp	8W-44-3
Axle Lock Switch	8W-44-3, 5	Left Dome Lamp	8W-44-3
Back-Up Lamp Switch	8W-44-6	Multi-Function Switch	8W-44-5
Compass/Temperature Mirror	8W-44-3, 6, 7	Overdrive Off Switch	8W-44-5
Data Link Connector	8W-44-3	Passenger Door Ajar Switch	8W-44-4
Driver Door Ajar Switch	8W-44-4	Power Distribution Center	8W-44-2, 6
Fuse 4	8W-44-4	Radio	8W-44-5
Fuse 7	8W-44-6	Rear Window Defogger Switch	8W-44-5
Fuse 10	8W-44-6	Rear Wiper/Washer Switch	8W-44-5
Fuse 26	8W-44-2, 6	Right Courtesy Lamp	8W-44-3
Fuse Block	8W-44-4, 6	Right Dome Lamp	8W-44-3
G100	8W-44-2	Transmission Range Indicator Illumination	8W-44-5
G200	8W-44-5, 7	Transmission Range Sensor	8W-44-6
G201	8W-44-5	Underhood Lamp	8W-44-2
G300	8W-44-4, 5		
Ignition Switch	8W-44-4		



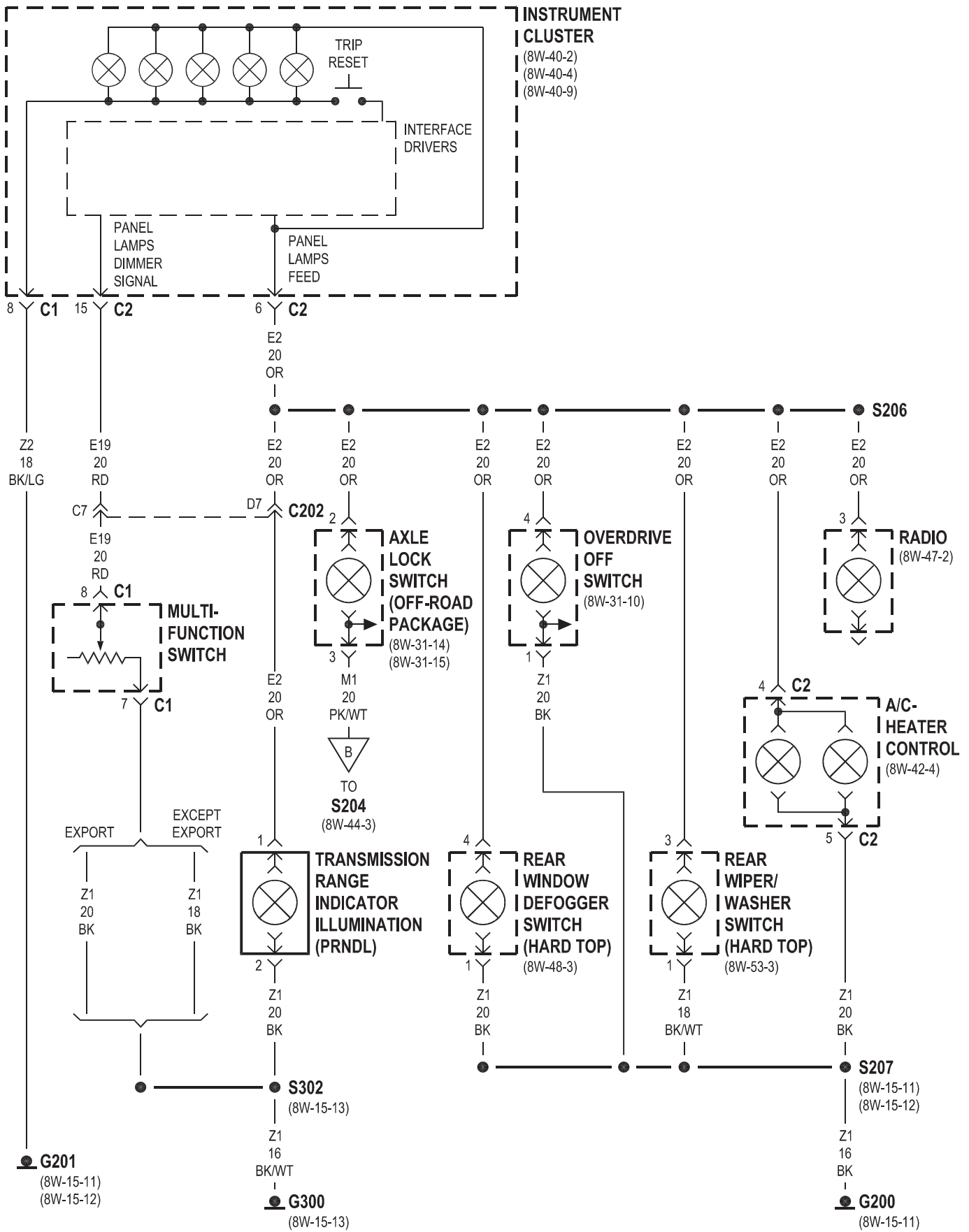
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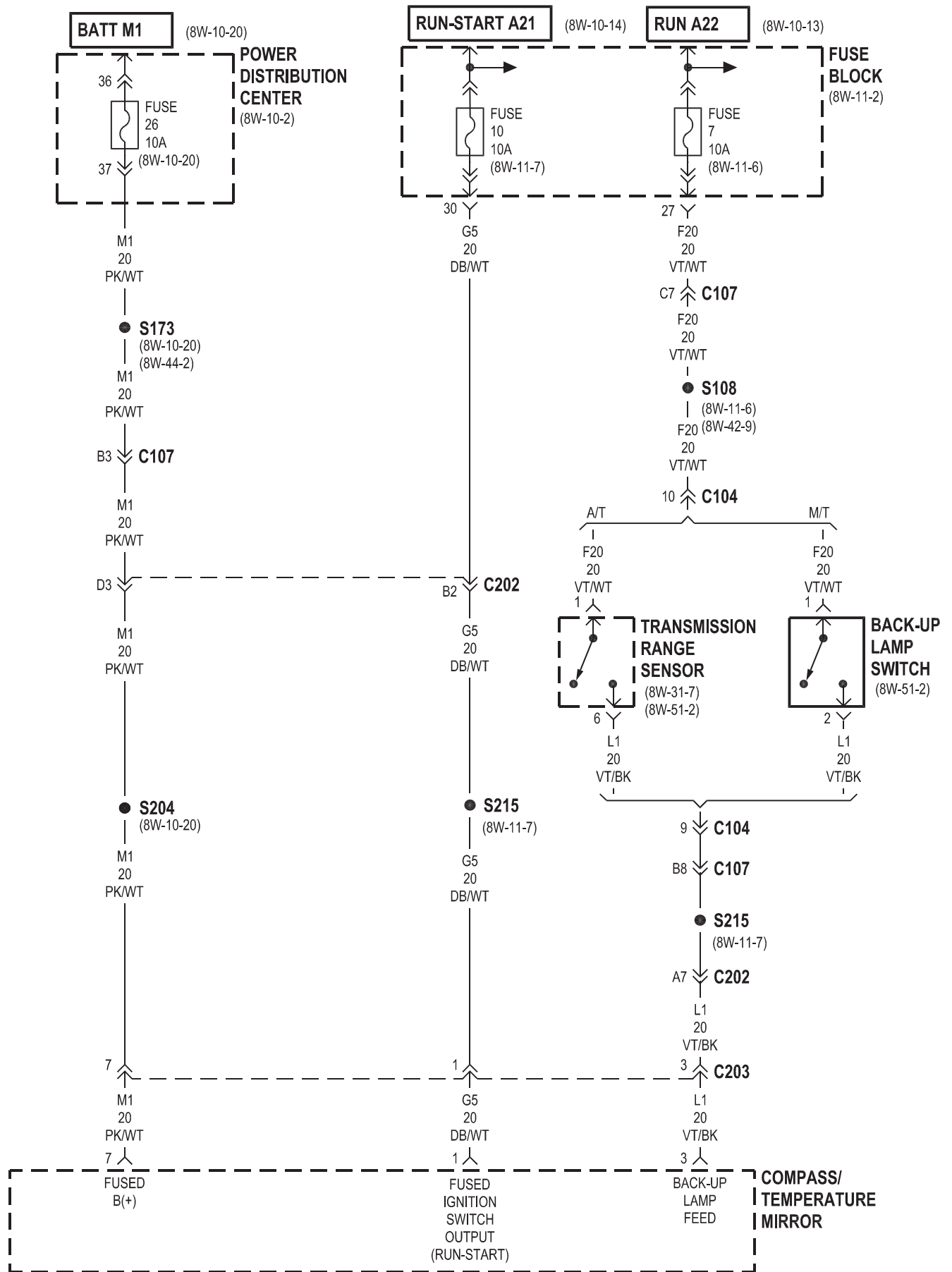
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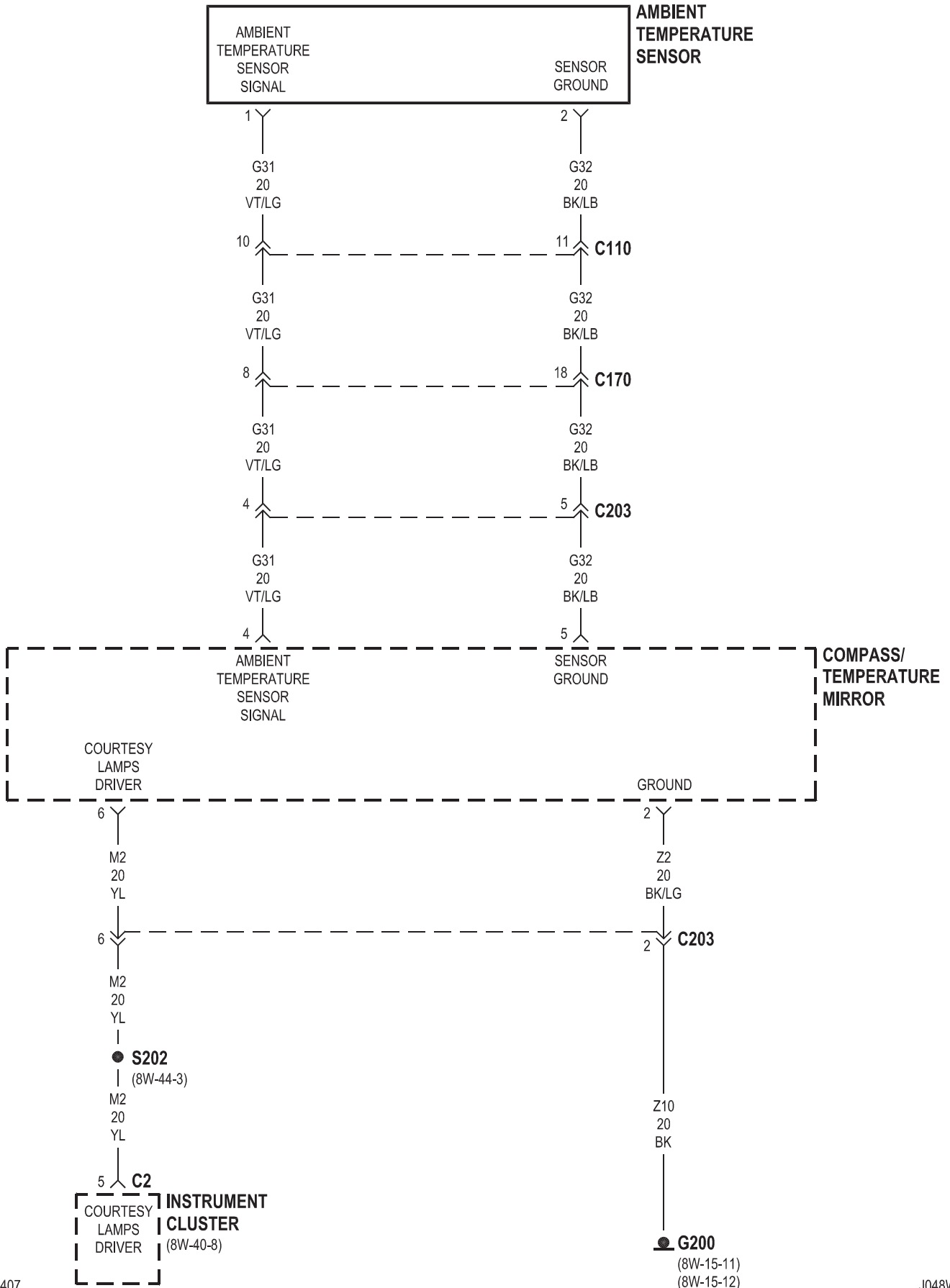
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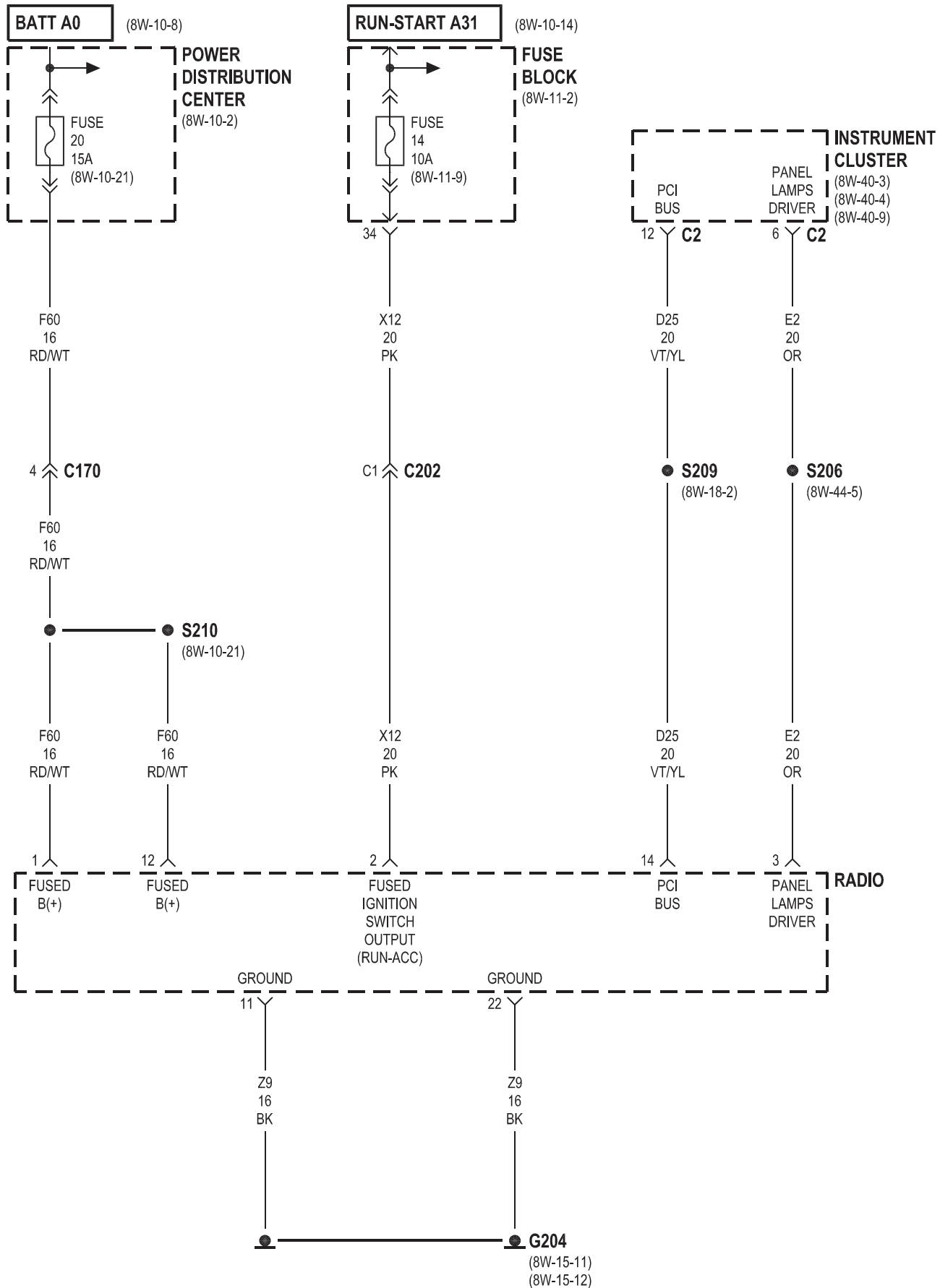
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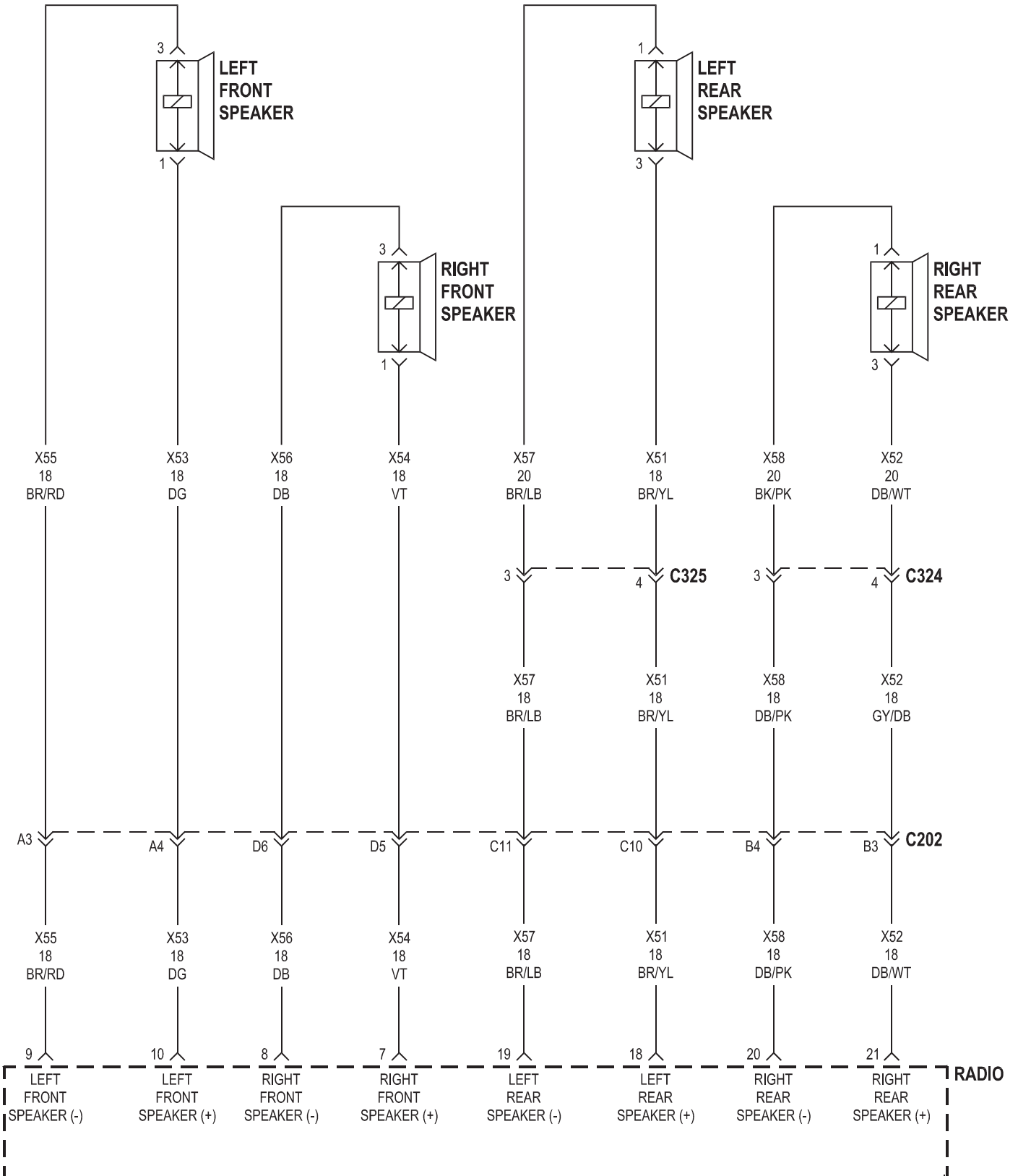
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8W-47 AUDIO SYSTEM

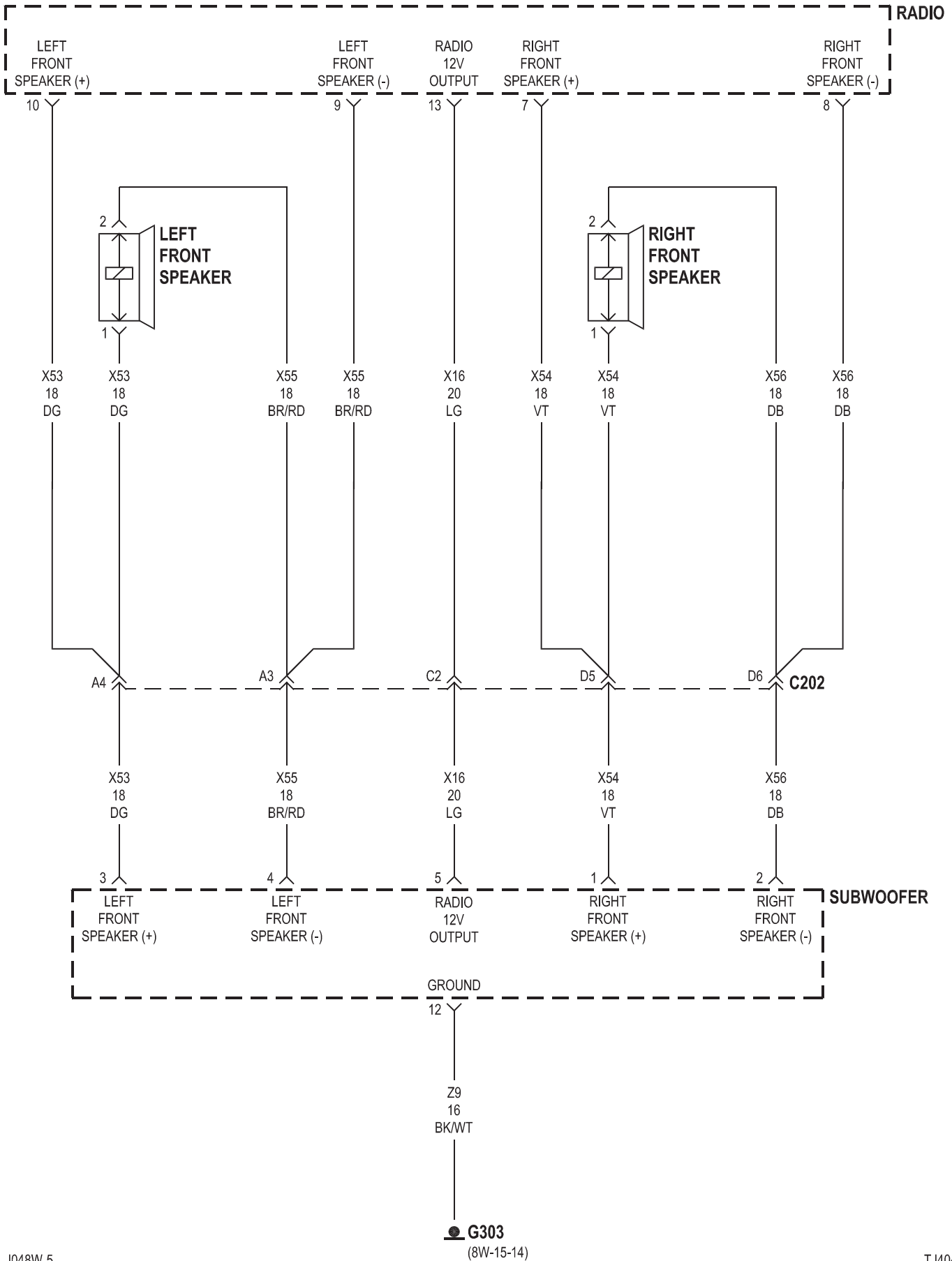
Component	Page	Component	Page
Fuse 3	8W-47-5	Left Rear Speaker	8W-47-3, 5
Fuse 14	8W-47-2	Power Distribution Center	8W-47-2
Fuse 20	8W-47-2	Radio	8W-47-2, 3, 4, 5
Fuse Block	8W-47-2, 5	Right Front Speaker	8W-47-3, 4
G204	8W-47-2	Right Rear Speaker	8W-47-3, 5
G303	8W-47-4, 5	Subwoofer	8W-47-4, 5
Instrument Cluster	8W-47-2		
Left Front Speaker	8W-47-3, 4		



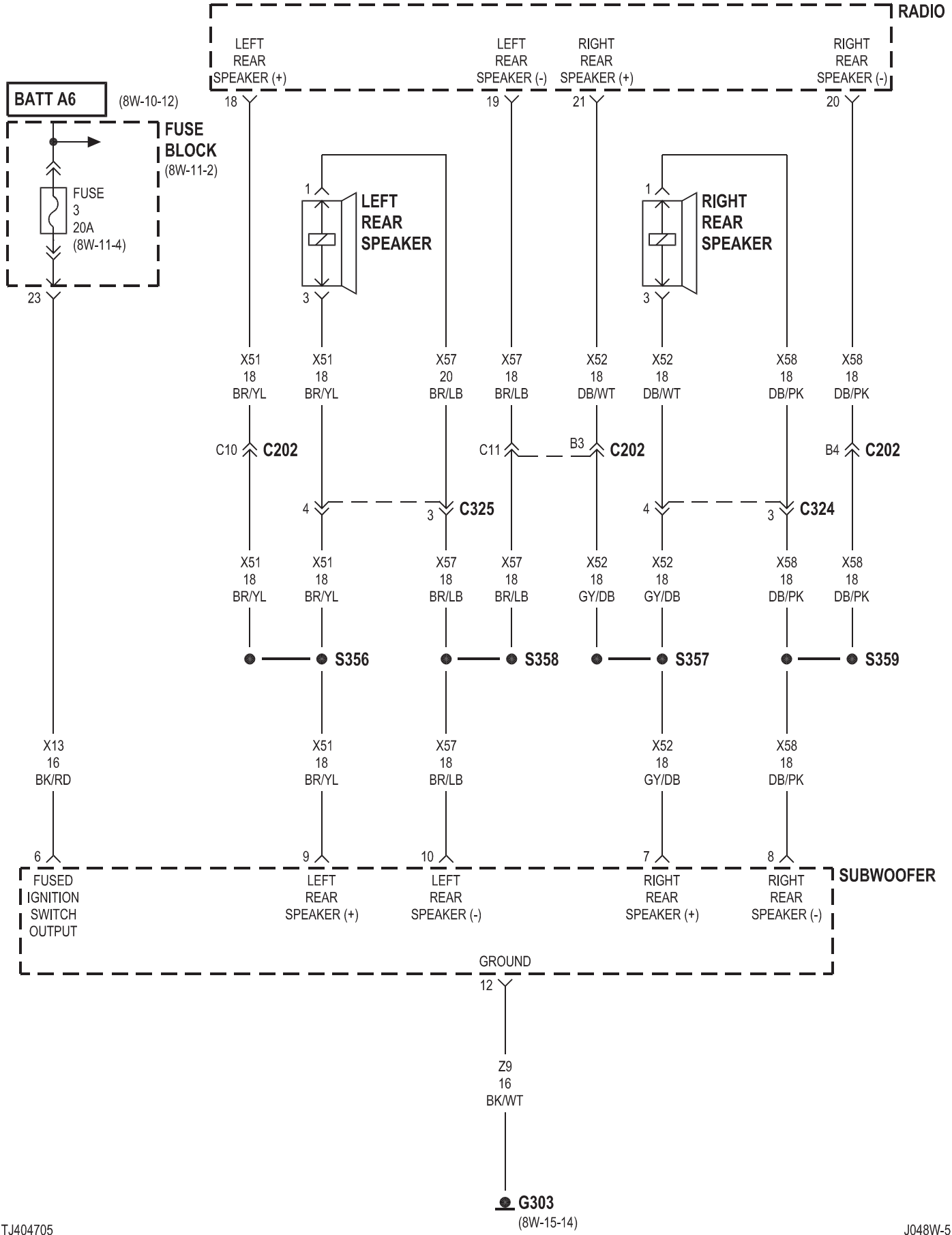
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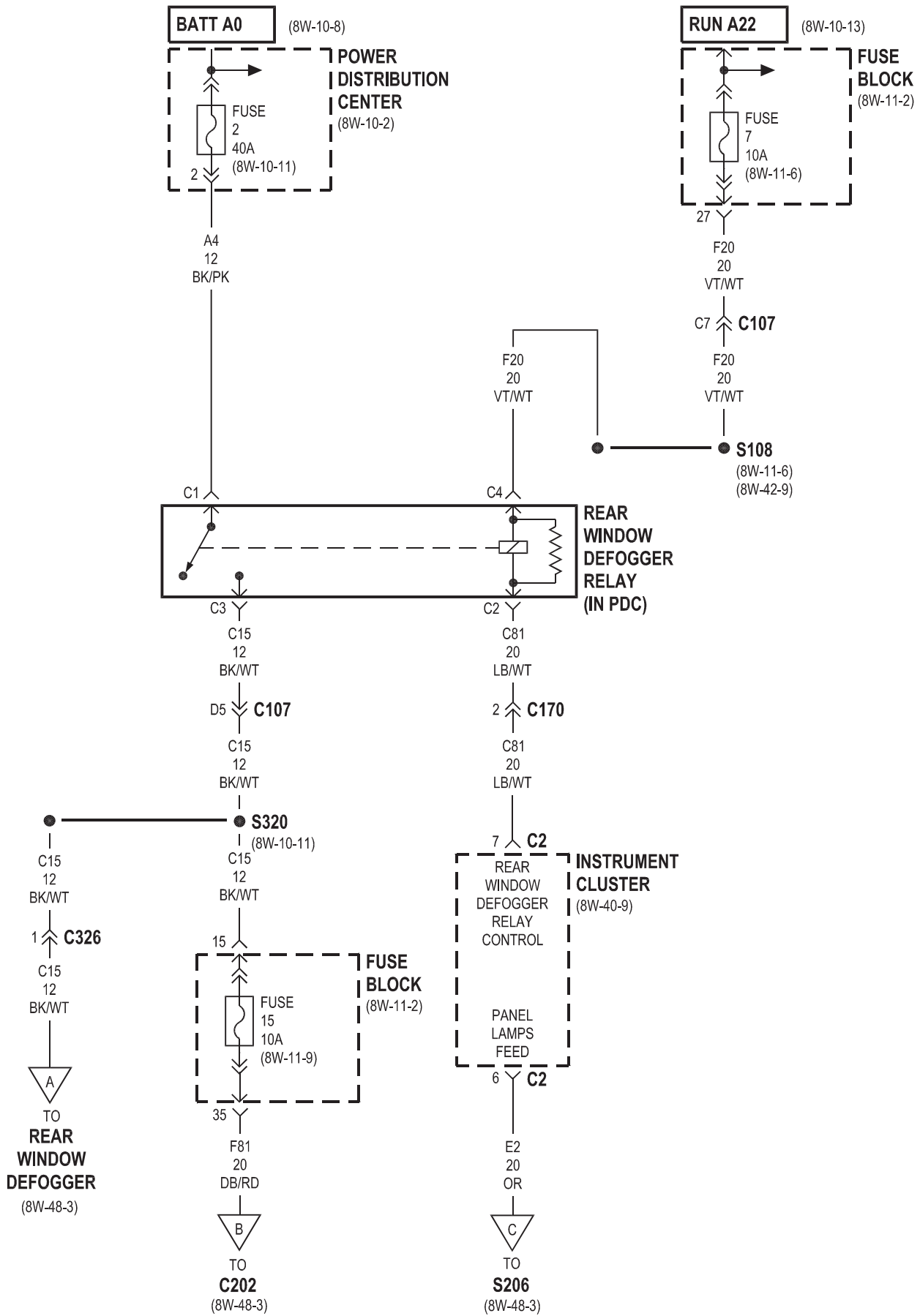
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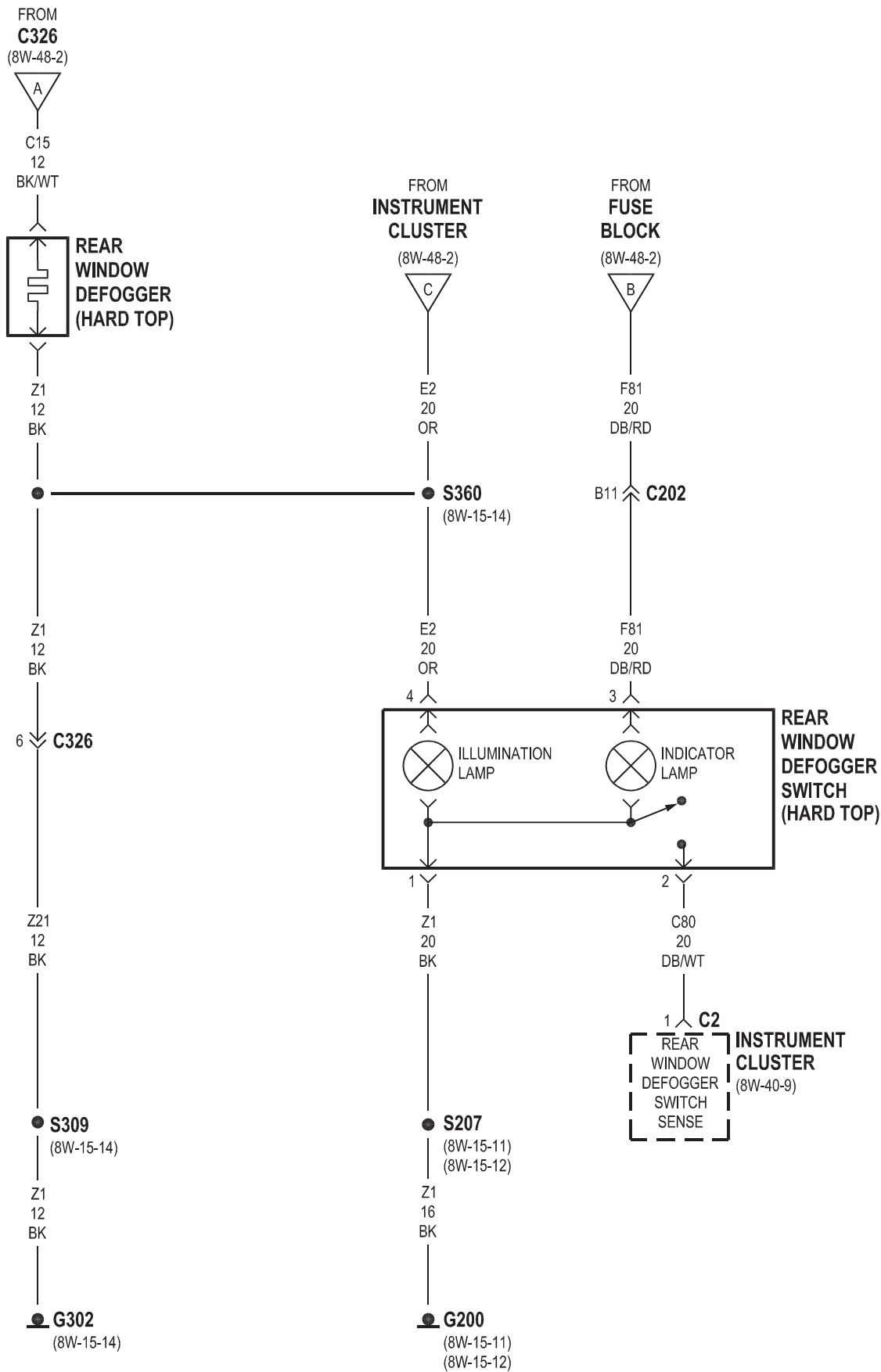
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8W-48 REAR WINDOW DEFOGGER

Component	Page	Component	Page
Fuse 2	8W-48-2	Instrument Cluster	8W-48-2, 3
Fuse 7	8W-48-2	Power Distribution Center	8W-48-2
Fuse 15	8W-48-2	Rear Window Defogger	8W-48-2, 3
Fuse Block	8W-48-2, 3	Rear Window Defogger Relay	8W-48-2
G200	8W-48-3	Rear Window Defogger Switch	8W-48-3
G302	8W-48-3		



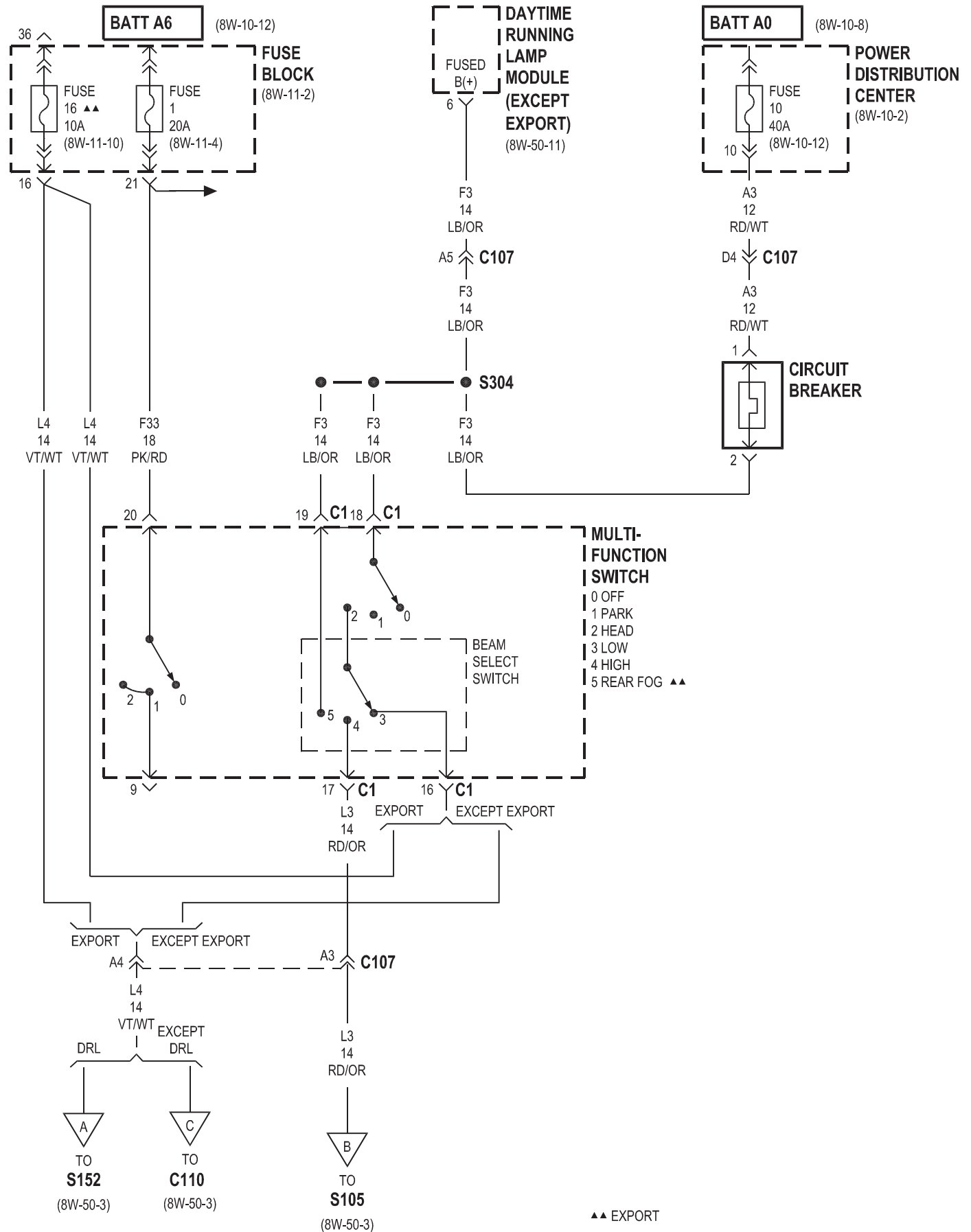
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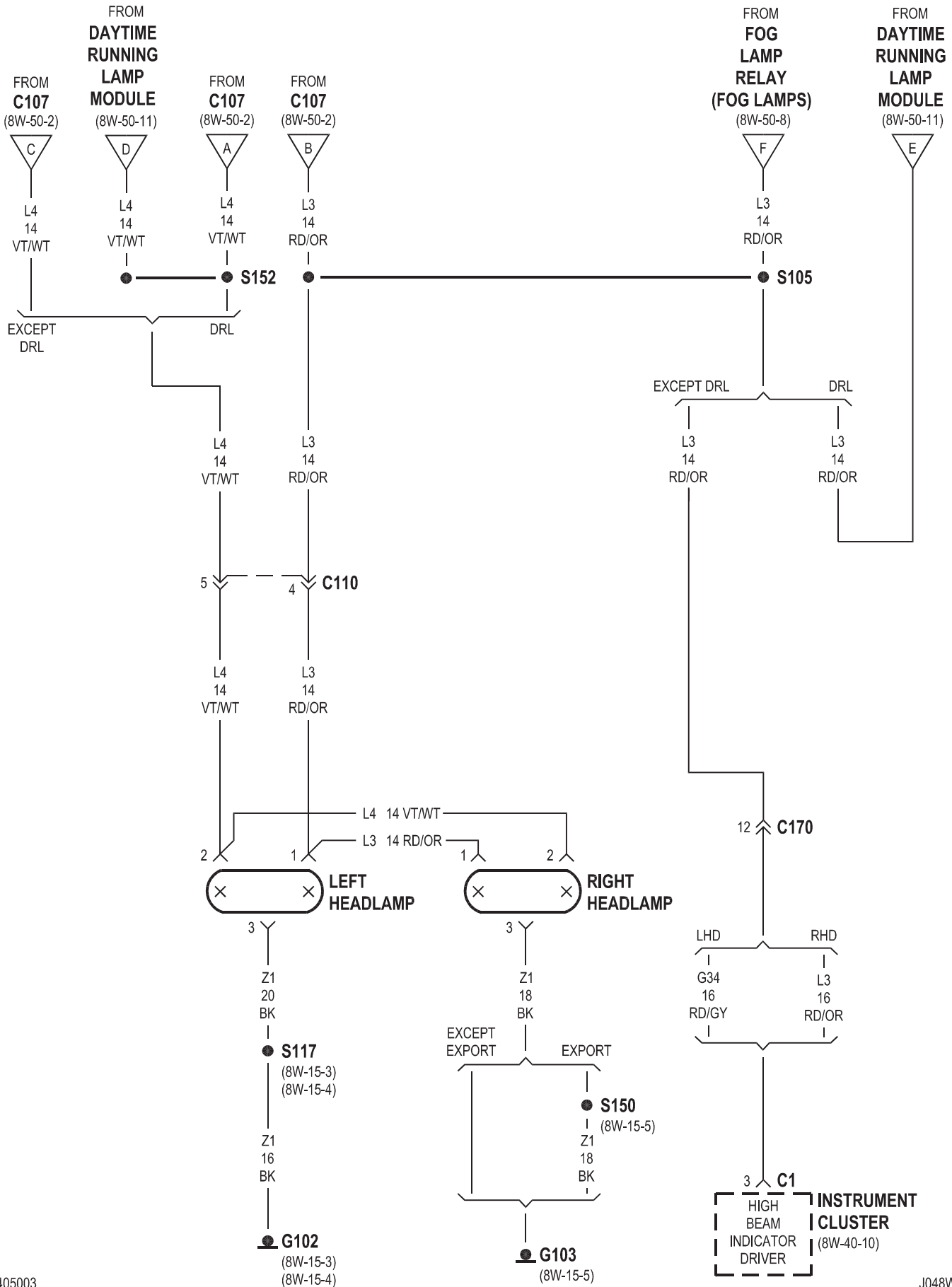
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8W-50 FRONT LIGHTING

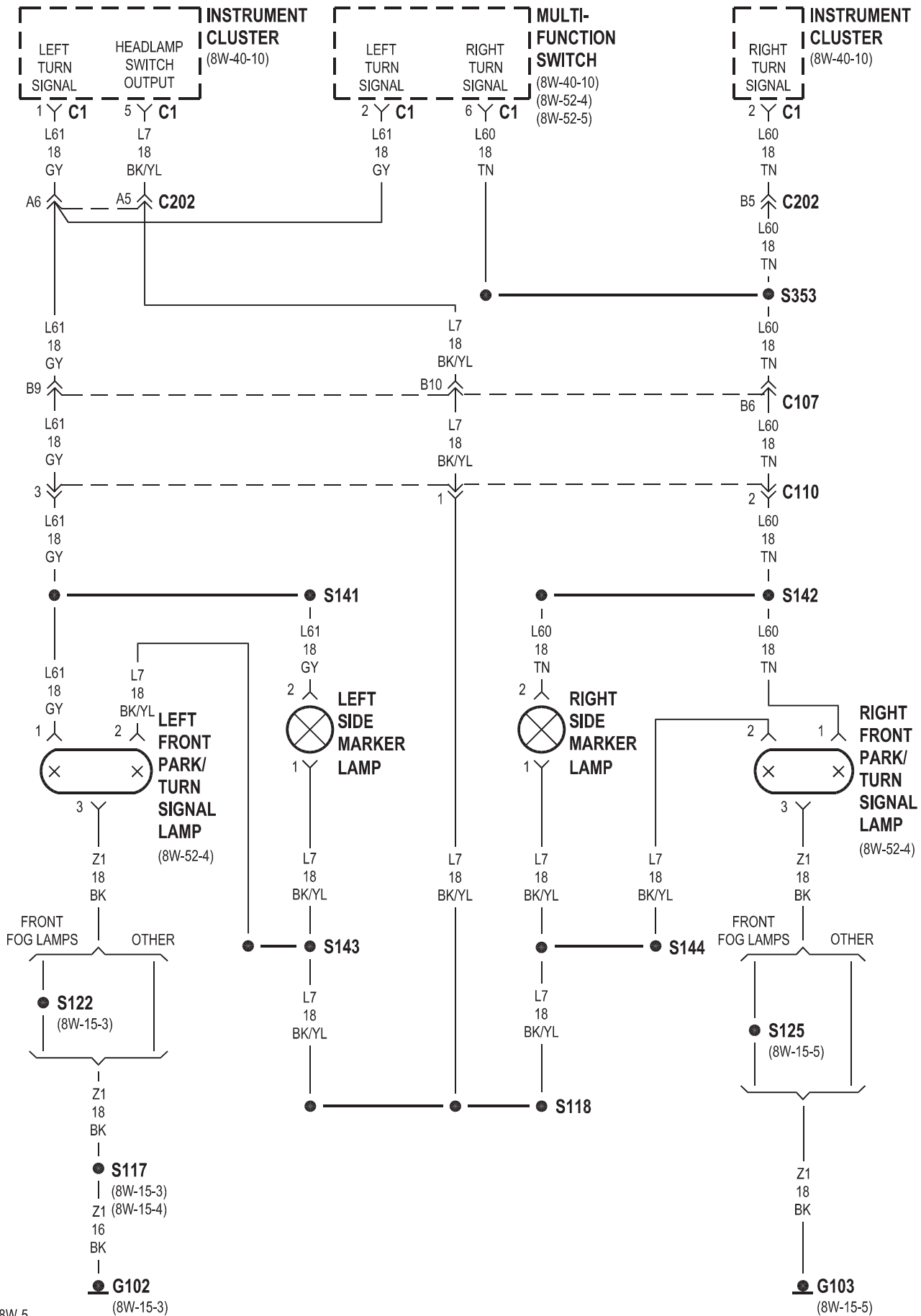
Component	Page	Component	Page
Circuit Breaker	8W-50-2, 11	Left Headlamp	8W-50-3
Daytime Running Lamp Module . .	8W-50-2, 3, 9, 11	Left Headlamp Leveling Motor	8W-50-7
Fog Lamp Relay	8W-50-3, 8, 9, 10	Left Side Marker Lamp	8W-50-4
Fuse 1	8W-50-2	Left Side Repeater Lamp	8W-50-5
Fuse 10	8W-50-2, 11	Multi-Function Switch	8W-50-2, 4, 5, 6, 7, 8, 9
Fuse 11	8W-50-11	Power Distribution Center	8W-50-2, 8, 9, 11
Fuse 16	8W-50-2, 7	Powertrain Control Module	8W-50-11
Fuse 19	8W-50-8, 9	Right Fog Lamp	8W-50-10
Fuse Block	8W-50-2, 7, 11	Right Front Park/Turn Signal Lamp	8W-50-4
G100	8W-50-8, 9, 11	Right Front Position Lamp	8W-50-6
G102	8W-50-3, 4, 5, 6, 7, 10	Right Front Turn Signal Lamp	8W-50-5
G103	8W-50-3, 4, 5, 6, 7, 10	Right Headlamp	8W-50-3
G200	8W-50-7	Right Headlamp Leveling Motor	8W-50-7
Headlamp Leveling Switch	8W-50-7	Right Side Marker Lamp	8W-50-4
Instrument Cluster	8W-50-3, 4, 5, 6, 9, 10, 11	Right Side Repeater Lamp	8W-50-5
Left Fog Lamp	8W-50-10	Transmission Control Relay	8W-50-8, 9
Left Front Park/Turn Signal Lamp	8W-50-4	Vehicle Speed Sensor	8W-50-11
Left Front Position Lamp	8W-50-6		
Left Front Turn Signal Lamp	8W-50-5		



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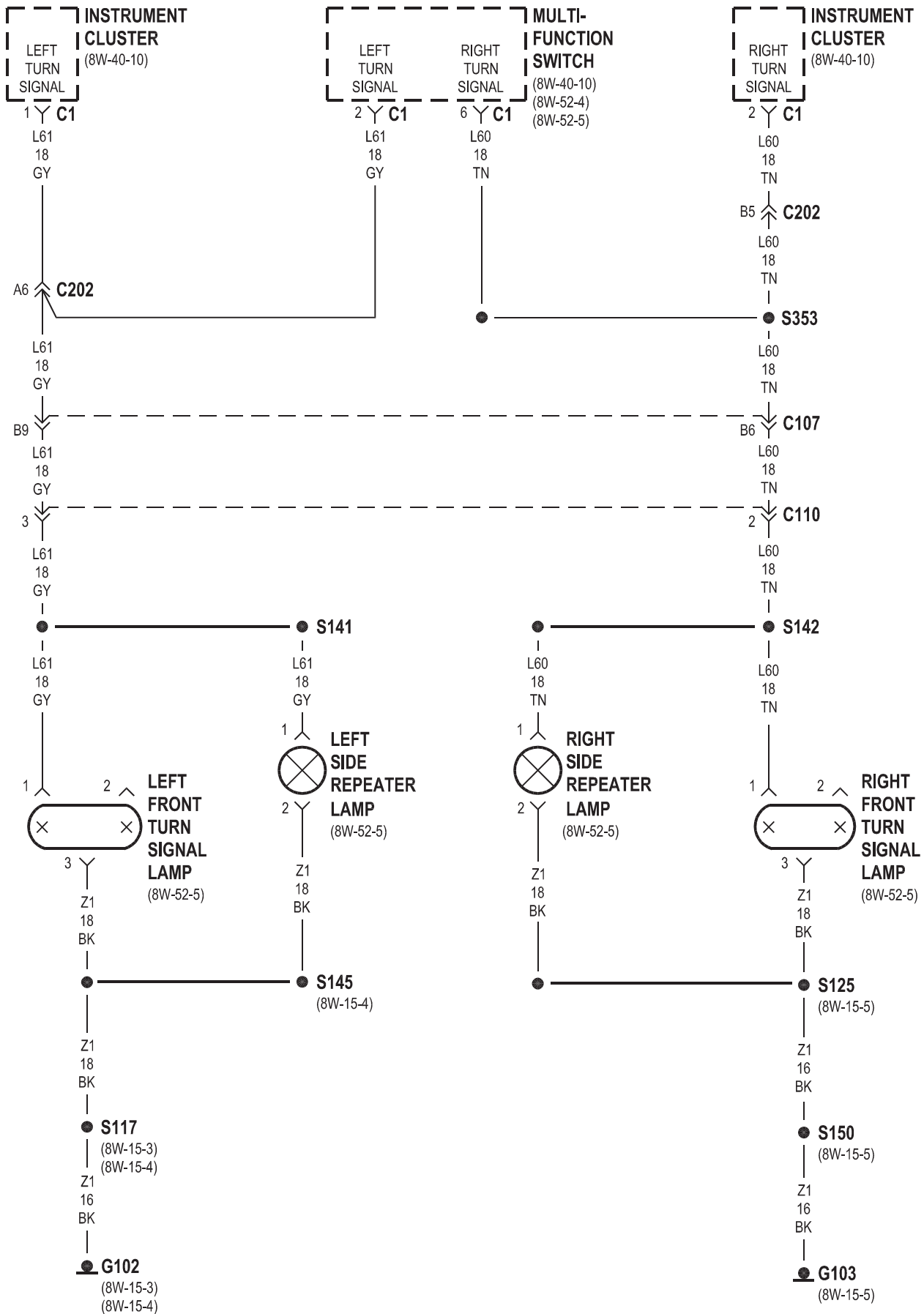


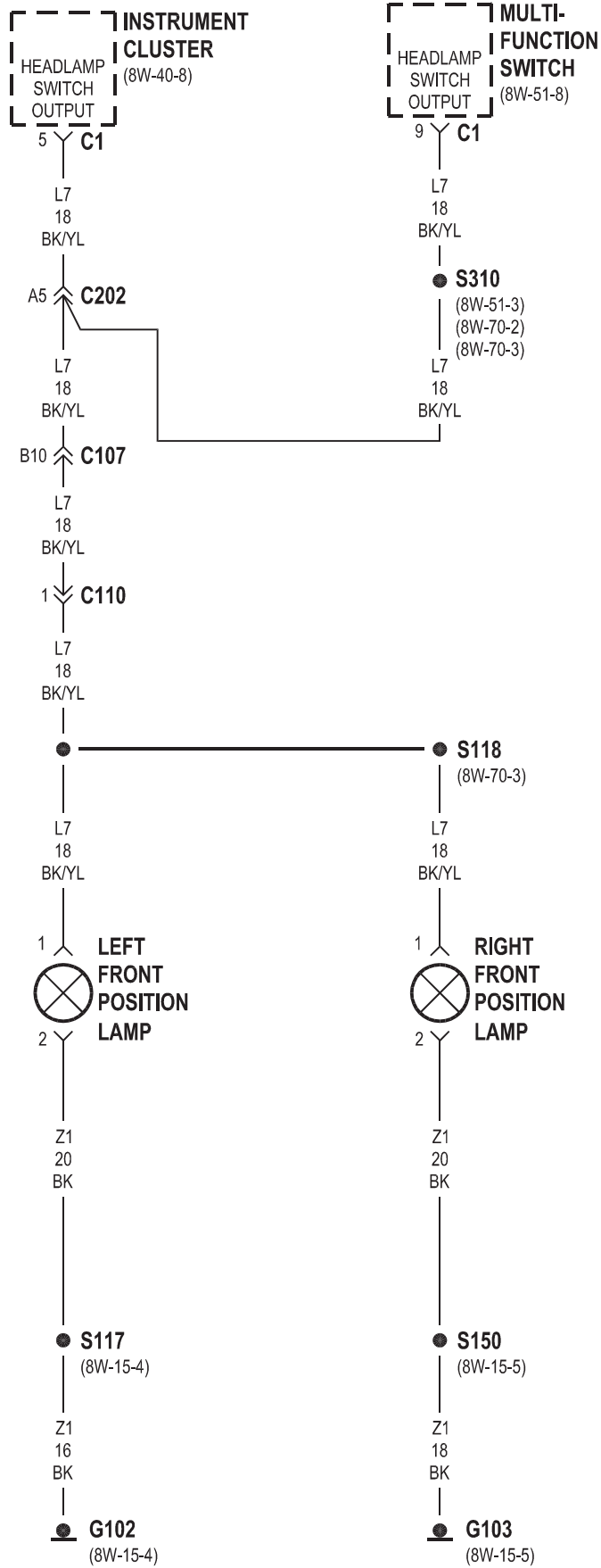
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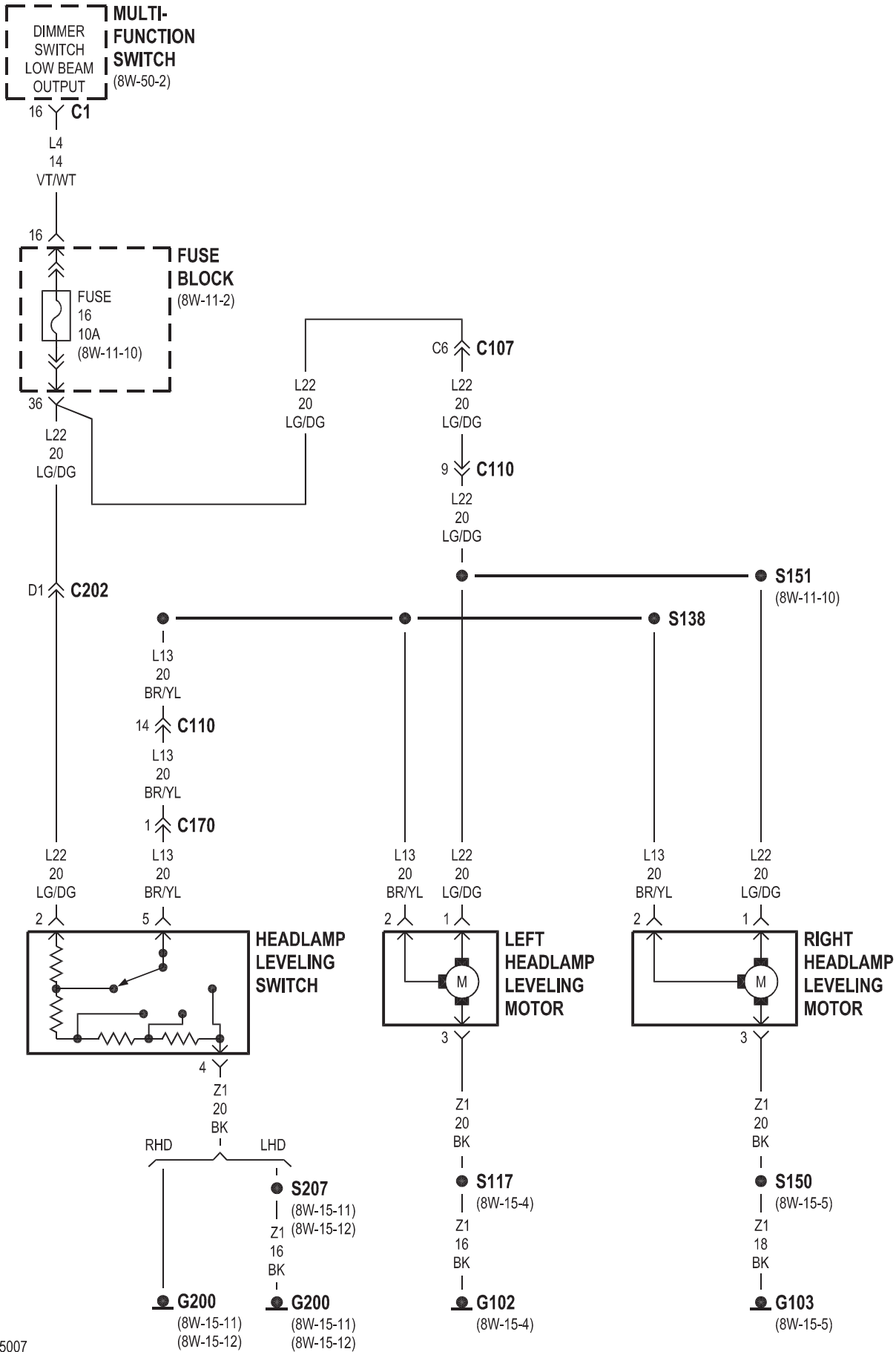
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EXPORT

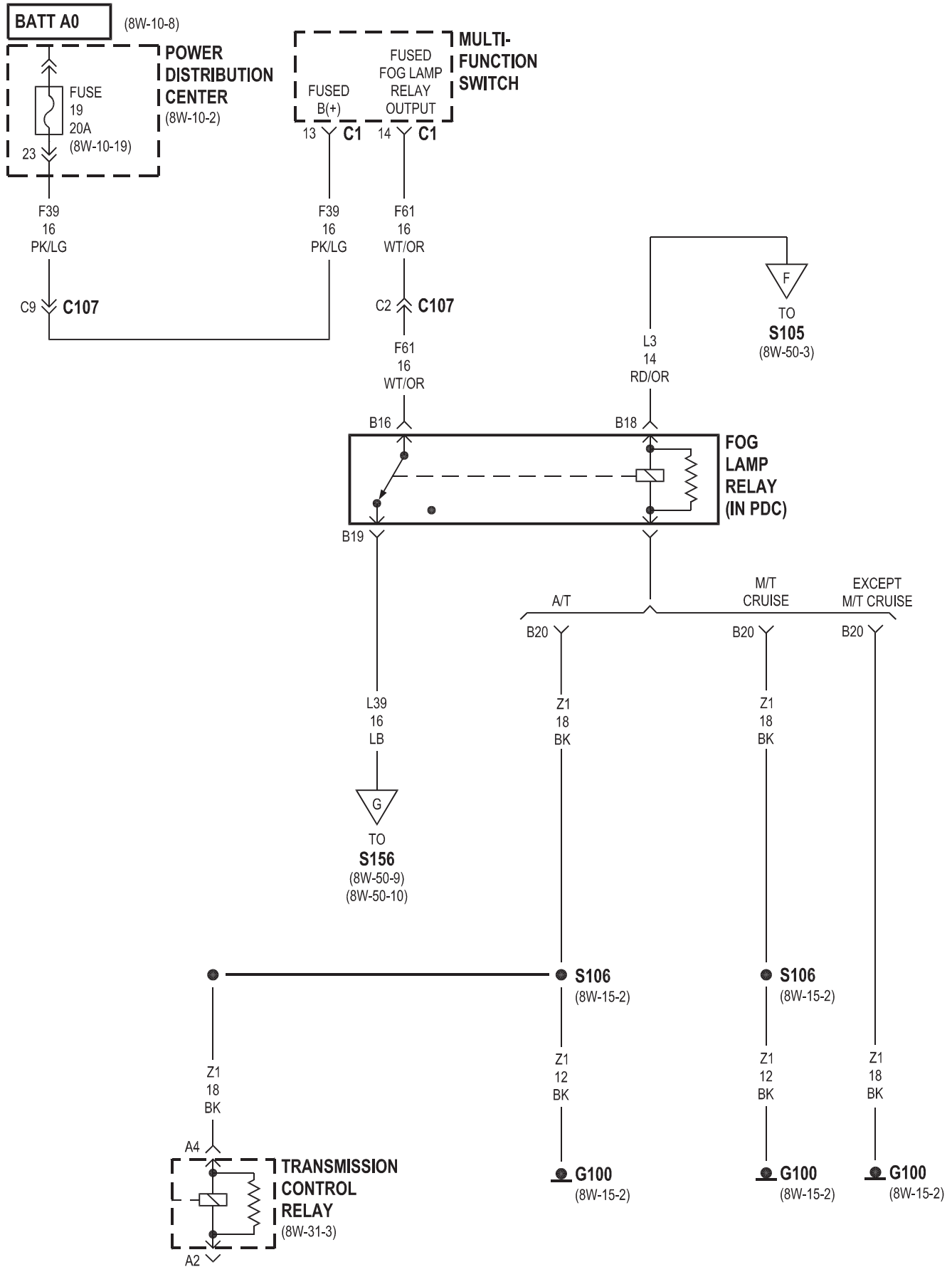




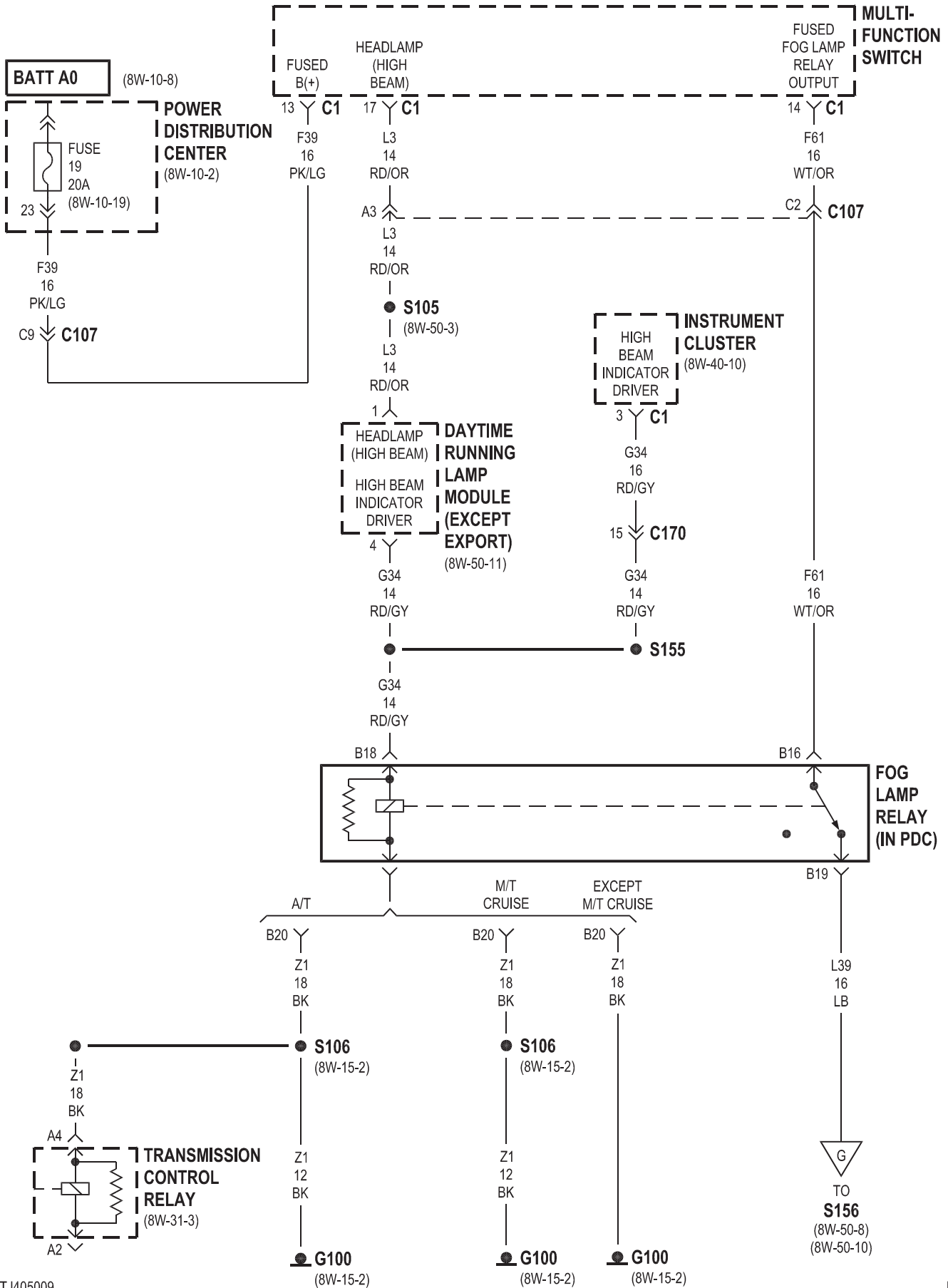
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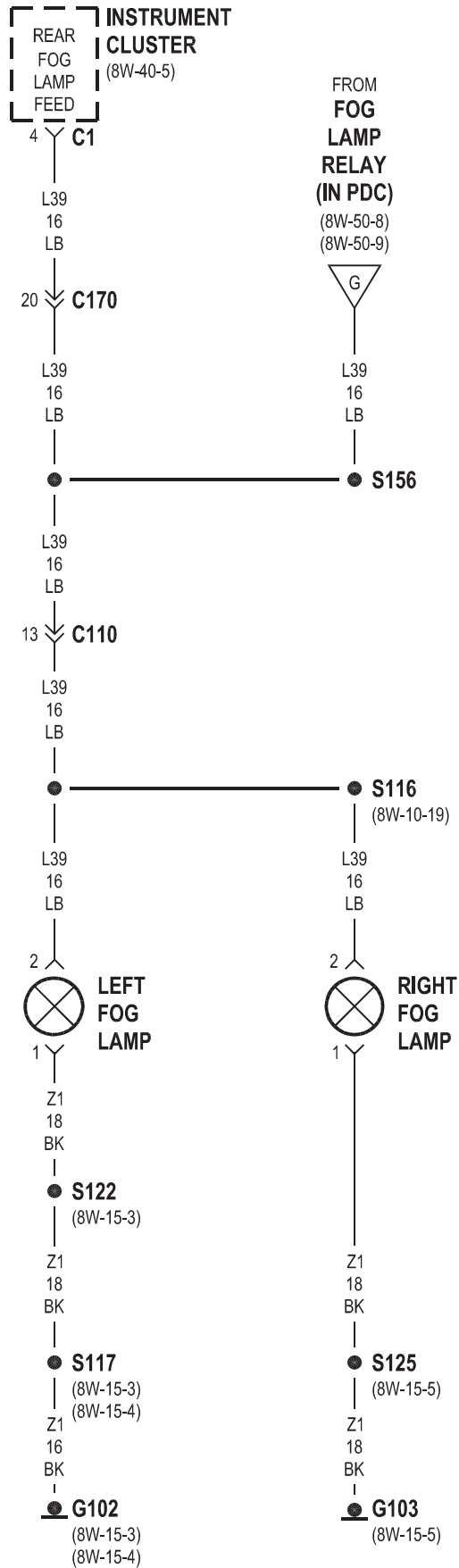
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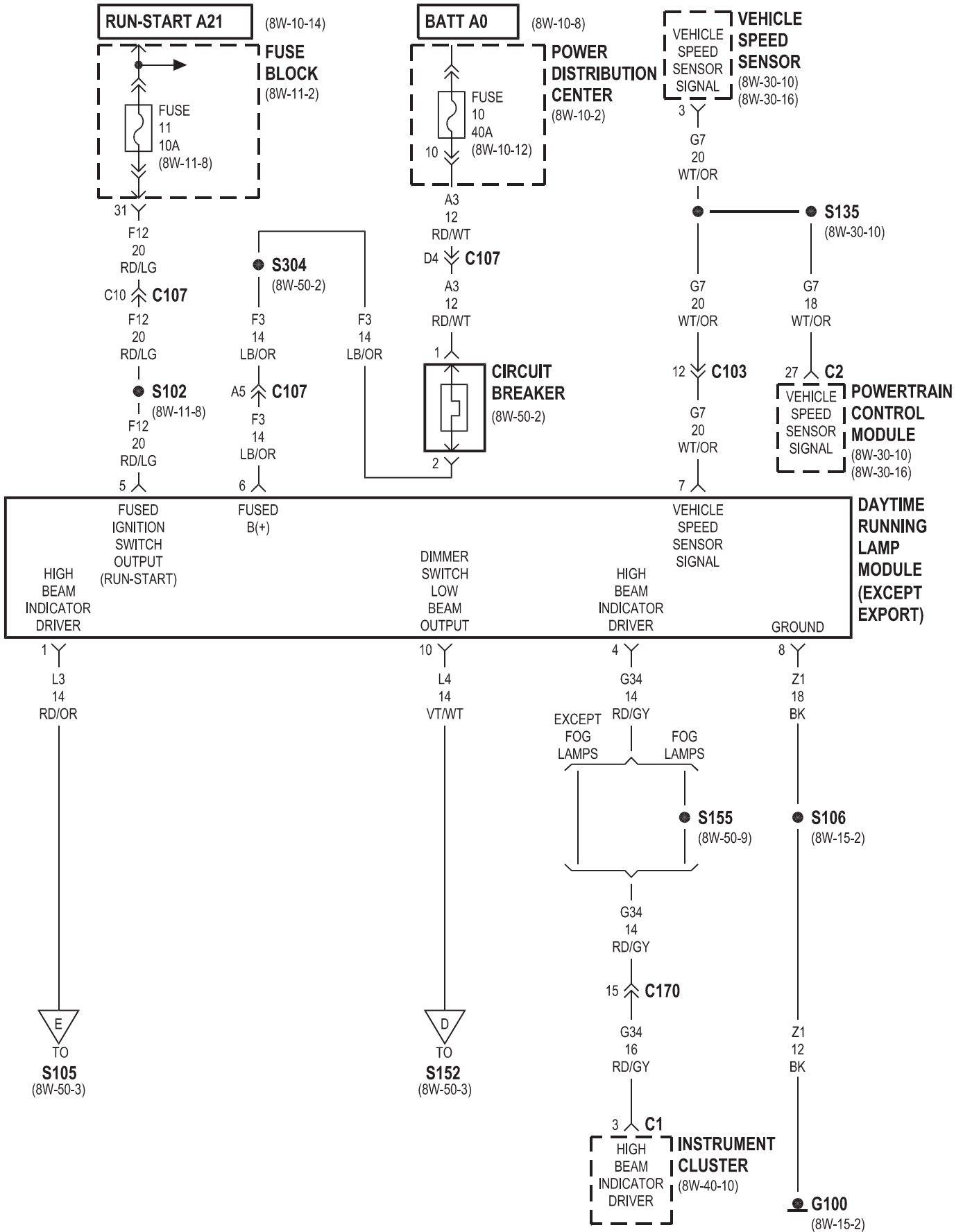


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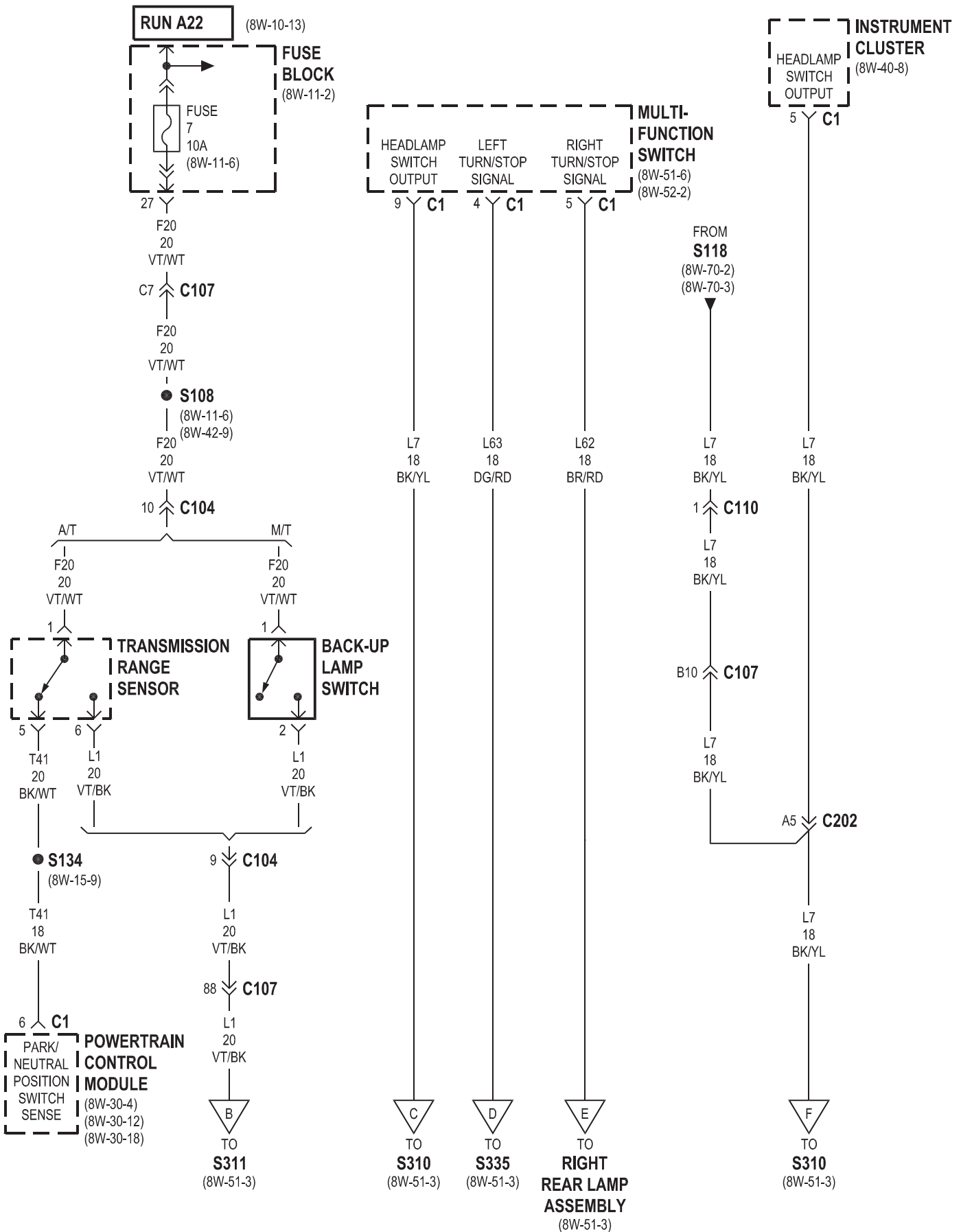
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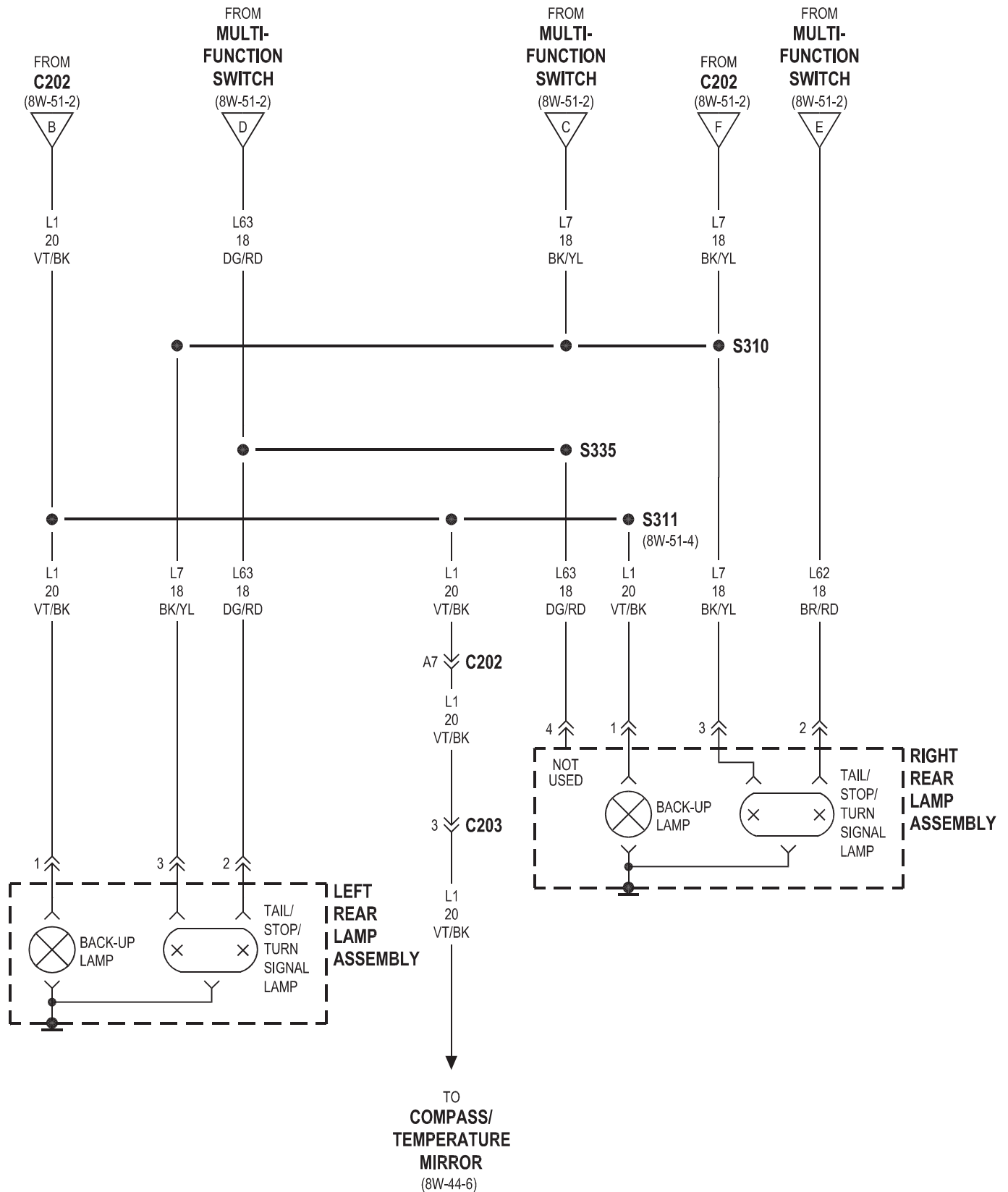
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8W-51 REAR LIGHTING

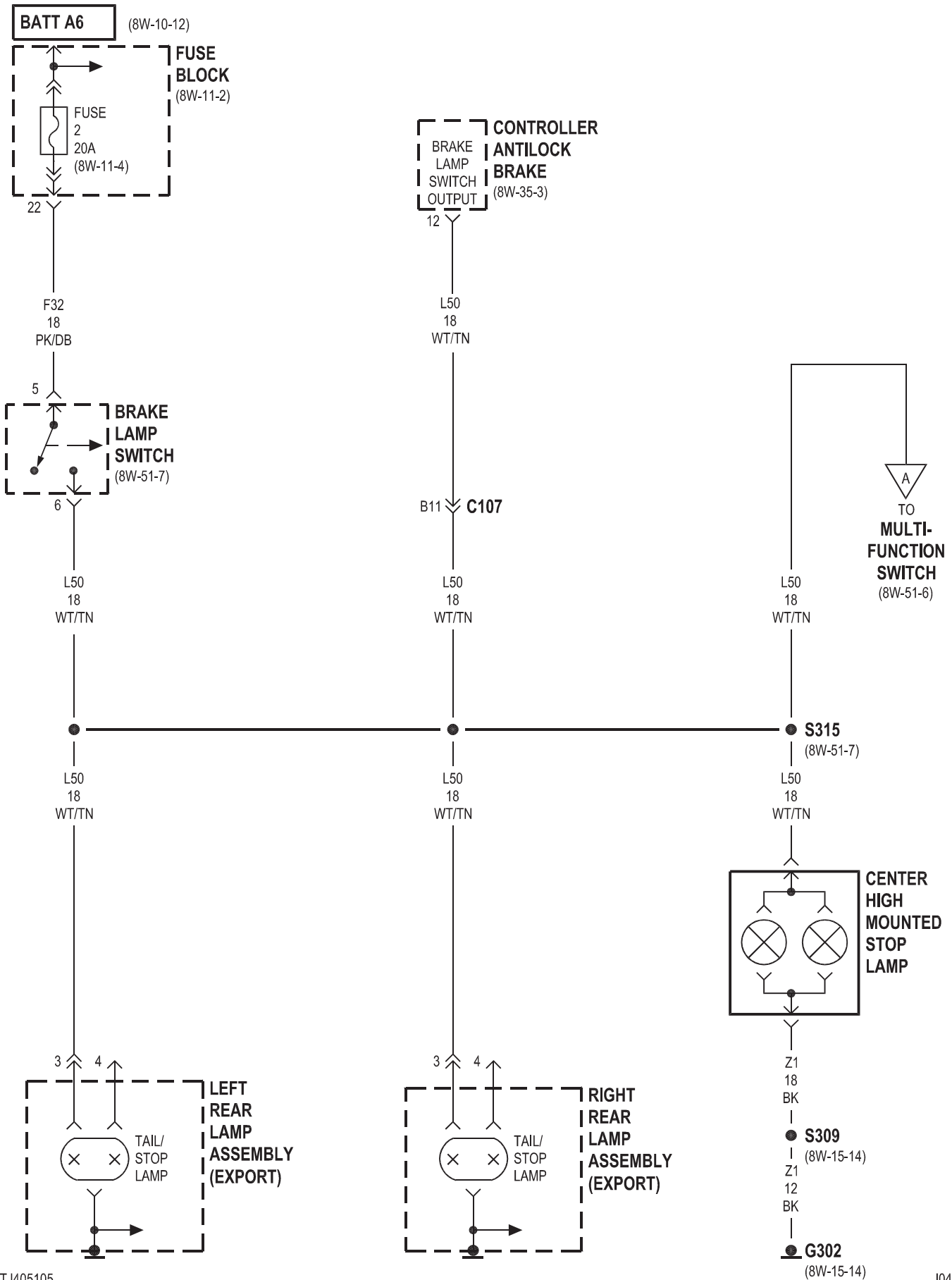
Component	Page	Component	Page
Back-Up Lamp Switch	8W-51-2, 4	Instrument Cluster	8W-51-2, 4, 8
Brake Lamp Switch	8W-51-5, 7	Left License Lamp	8W-51-8
Brake Transmission Shift Interlock Solenoid	8W-51-7	Left Rear Lamp Assembly	8W-51-3, 4, 5, 6, 7
Center High Mounted Stop Lamp	8W-51-5, 7	Multi-Function Switch	8W-51-2, 3, 4, 5, 6, 7, 8
Compass/Temperature Mirror	8W-51-3, 4	Powertrain Control Module	8W-51-2, 7
Controller Antilock Brake	8W-51-5, 7	Rear Fog Lamp	8W-51-8
Fuse 2	8W-51-5, 7	Right License Lamp	8W-51-8
Fuse 7	8W-51-2, 4	Right Rear Lamp Assembly	8W-51-2, 3, 4, 5, 6, 7
Fuse Block	8W-51-2, 4, 5, 7	Speed Control Servo	8W-51-7
G300	8W-51-7	Transmission Range Sensor	8W-51-2, 4
G302	8W-51-5, 8		

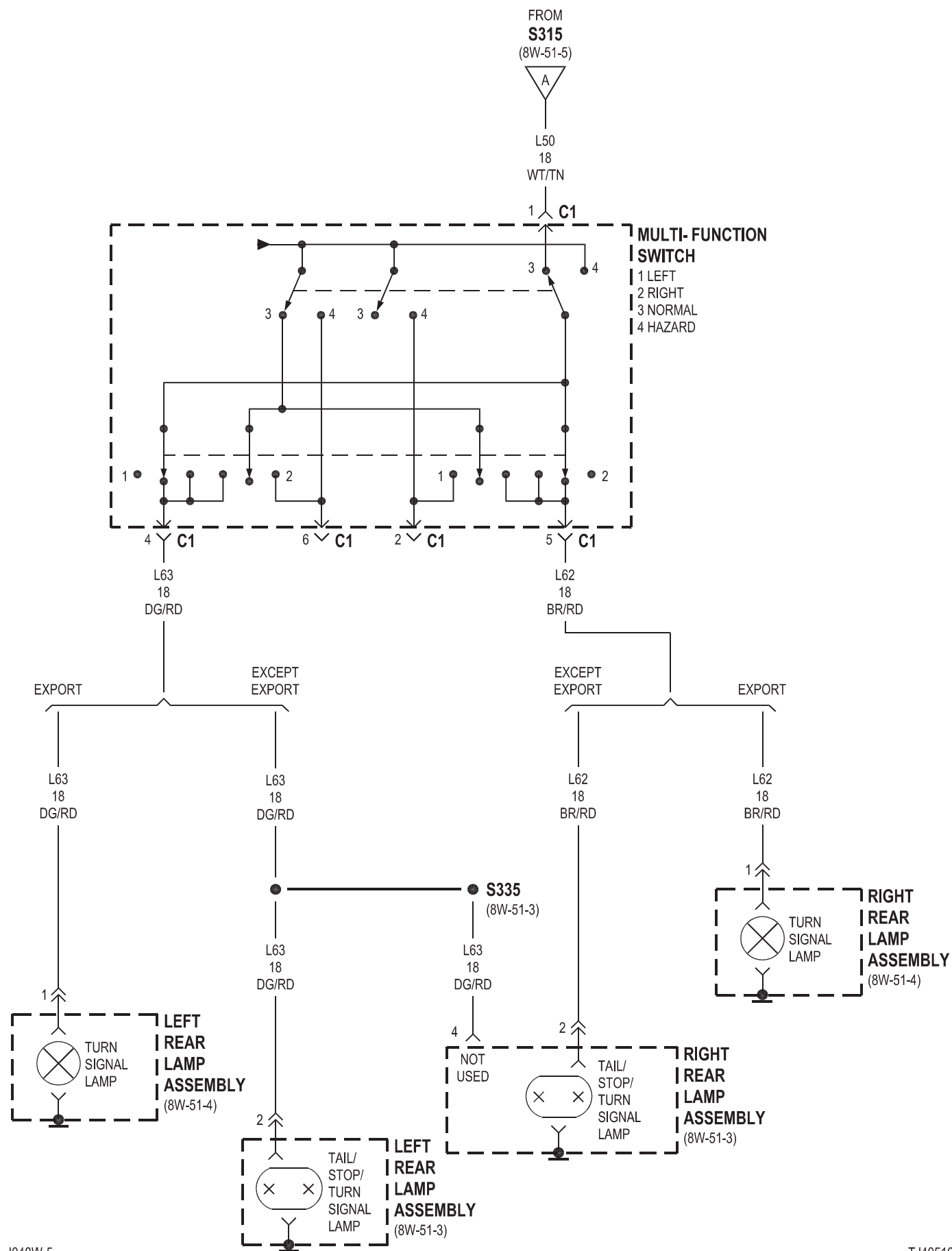


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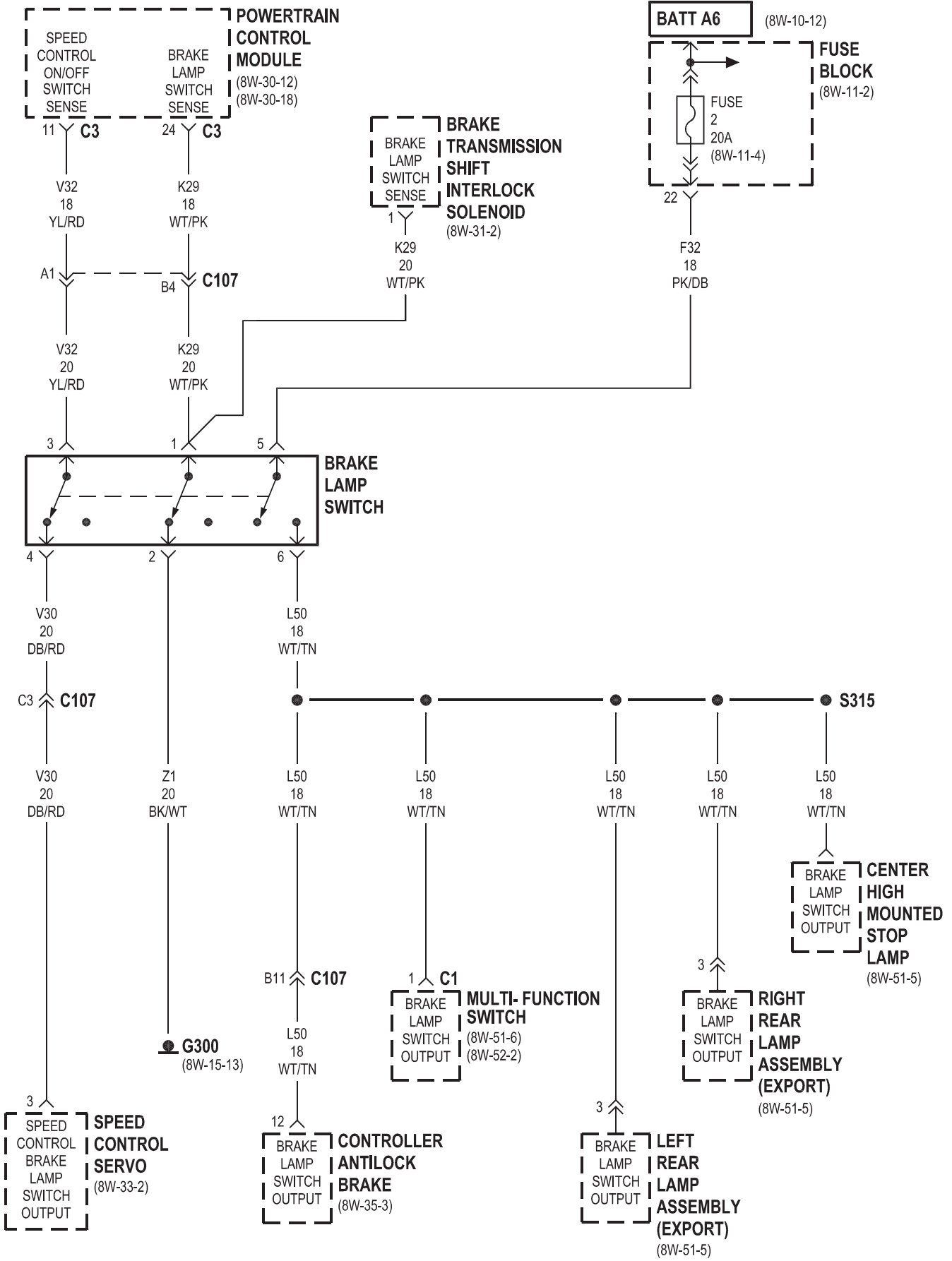


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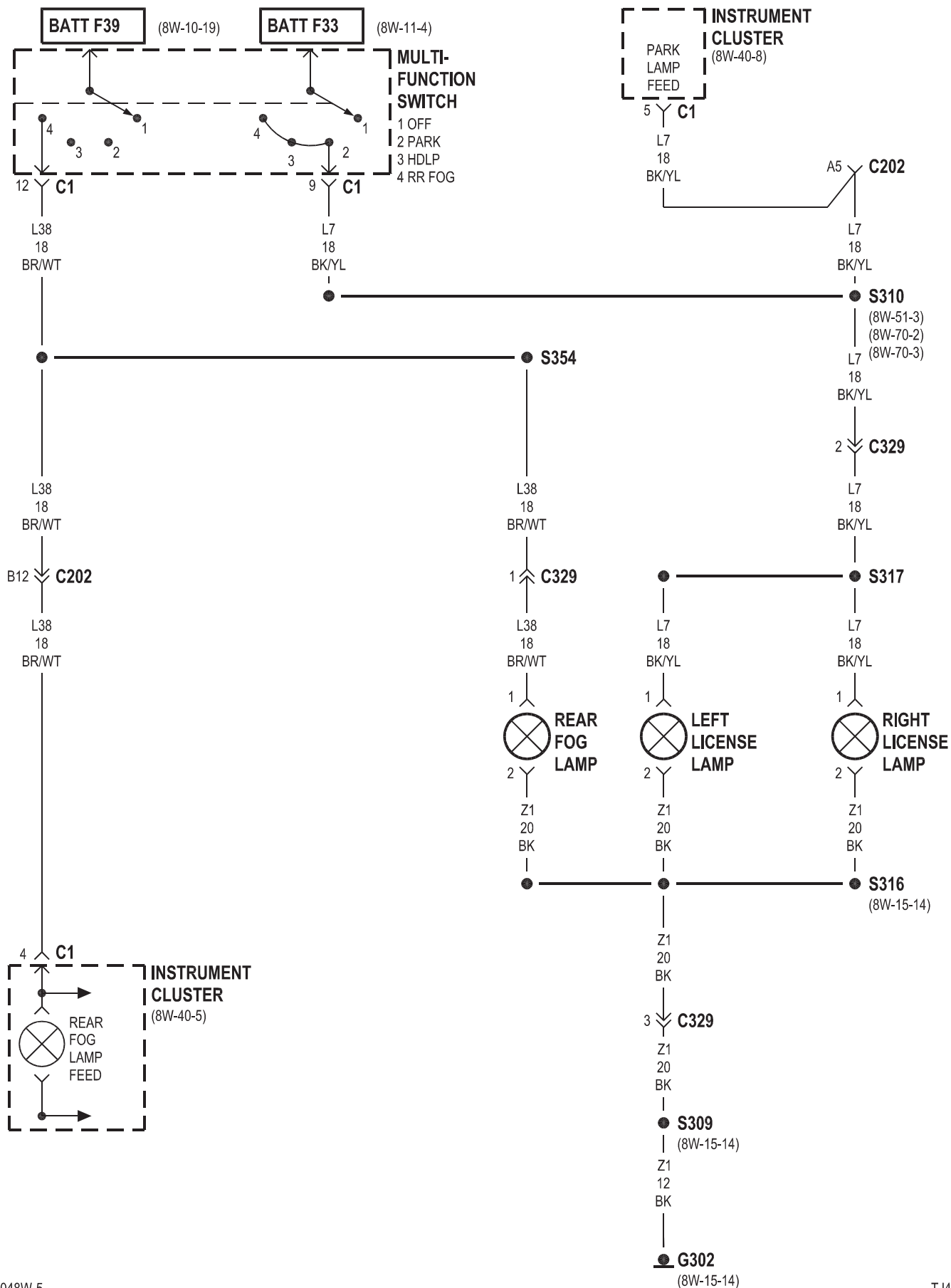




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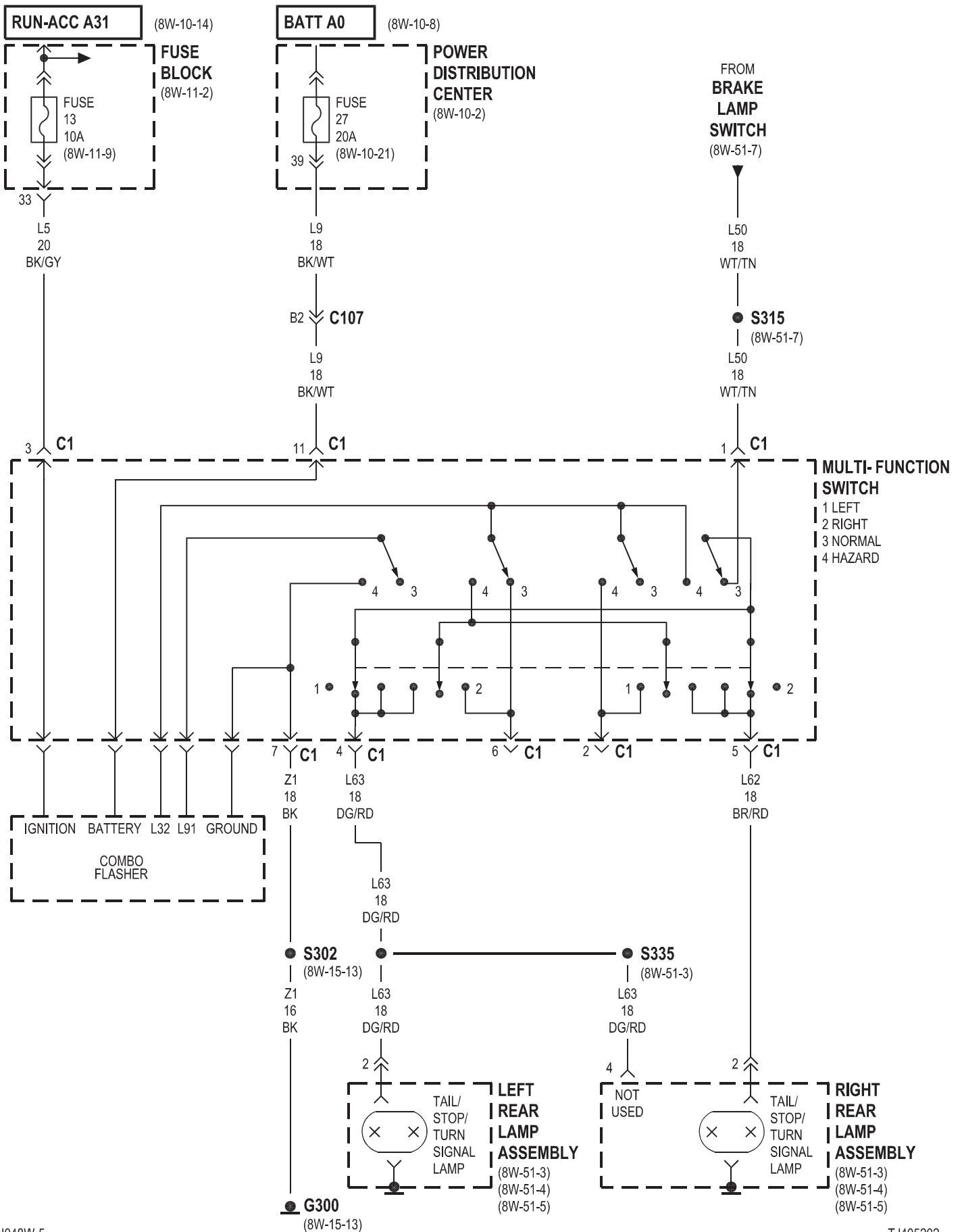
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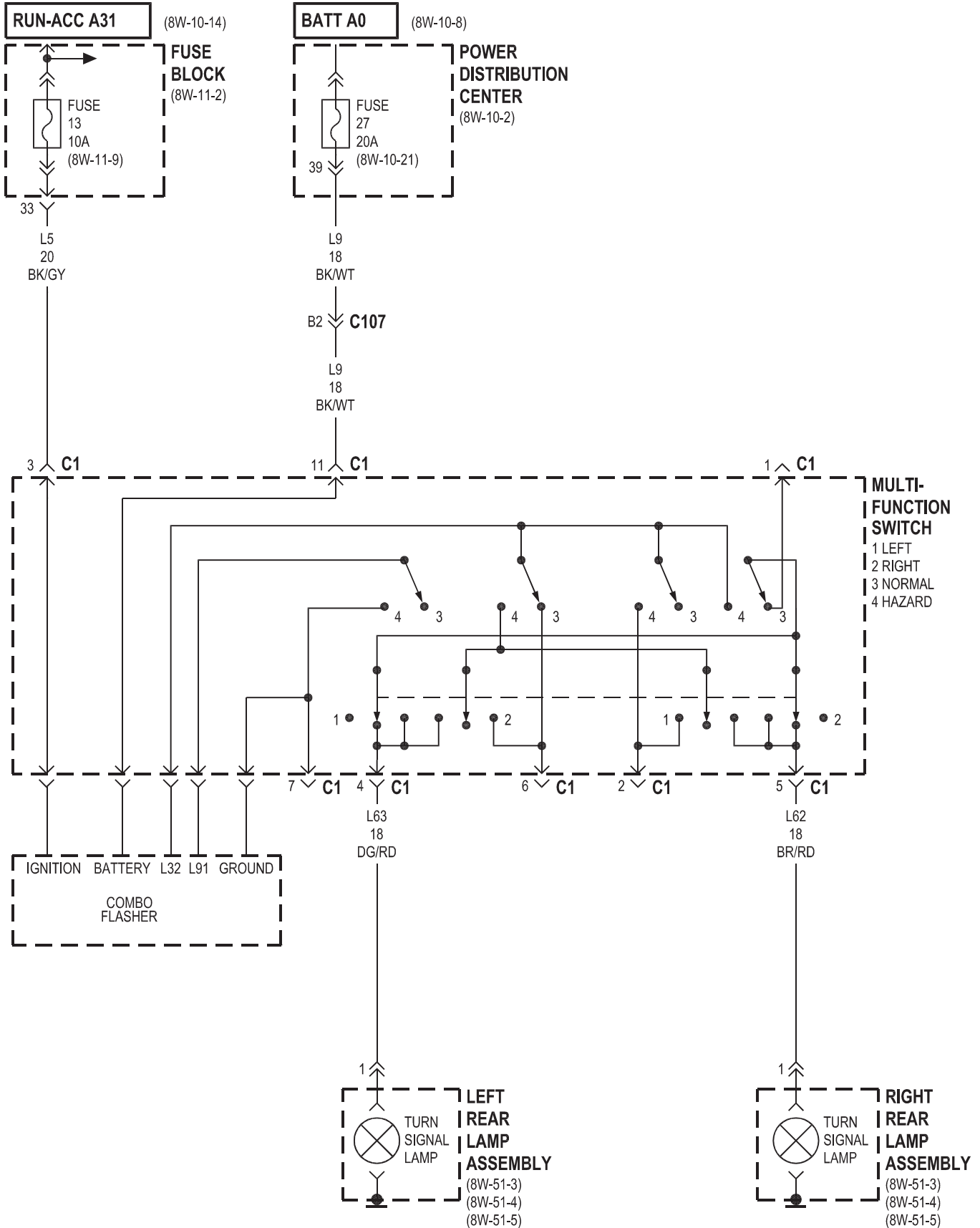
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8W-52 TURN SIGNALS

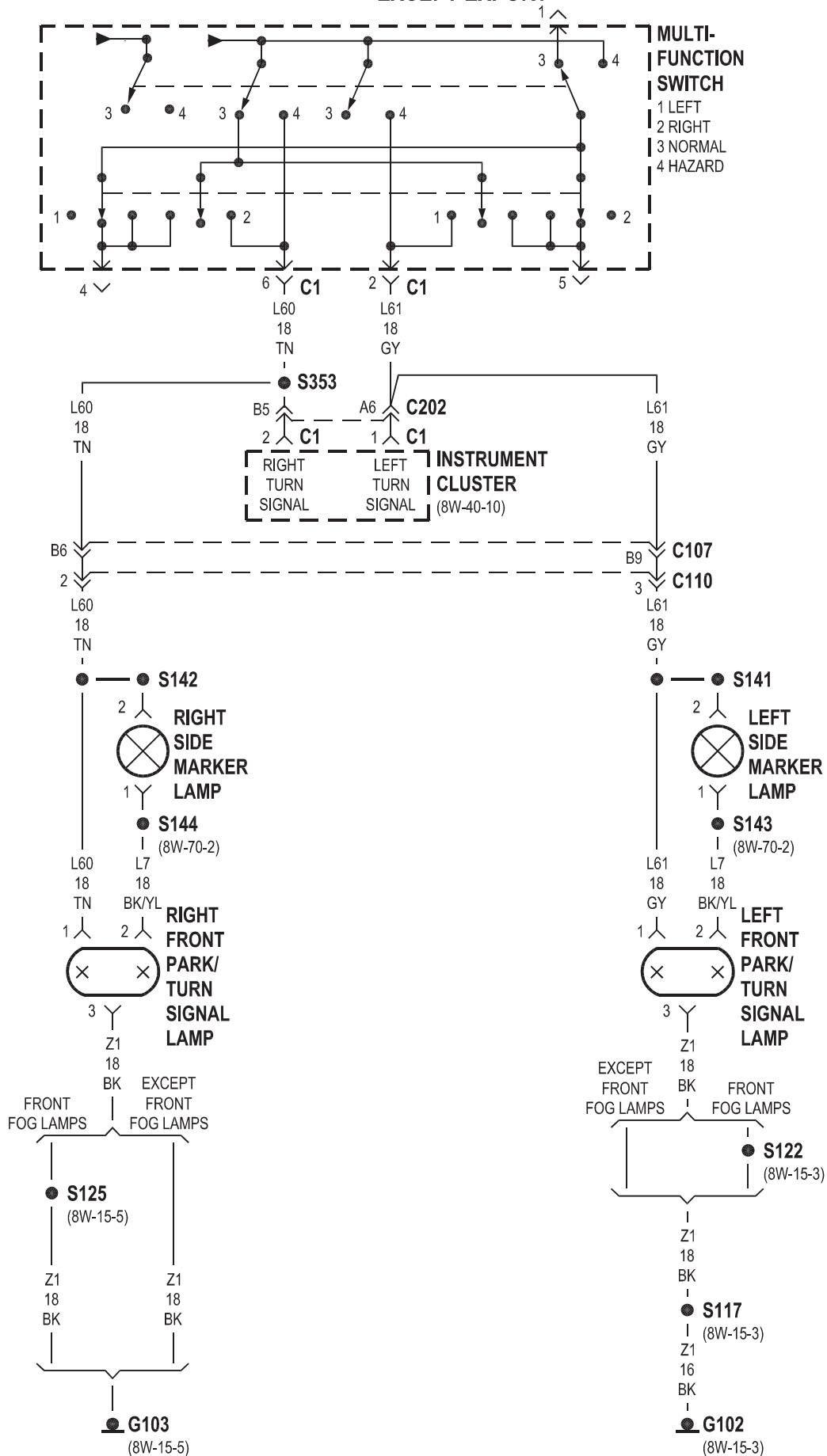
Component	Page	Component	Page
Brake Lamp Switch	8W-52-2	Left Side Marker Lamp	8W-52-4
Fuse 13	8W-52-2, 3	Left Side Repeater Lamp	8W-52-5
Fuse 27	8W-52-2, 3	Multi-Function Switch	8W-52-2, 3, 4, 5
Fuse Block	8W-52-2, 3	Power Distribution Center	8W-52-2, 3
G102	8W-52-4, 5	Right Front Park/Turn Signal Lamp	8W-52-4
G103	8W-52-4, 5	Right Front Turn Signal Lamp	8W-52-5
G300	8W-52-2	Right Rear Lamp Assembly	8W-52-2, 3
Instrument Cluster	8W-52-4, 5	Right Side Marker Lamp	8W-52-4
Left Front Park/Turn Signal Lamp	8W-52-4	Right Side Repeater Lamp	8W-52-5
Left Front Turn Signal Lamp	8W-52-5		
Left Rear Lamp Assembly	8W-52-2, 3		



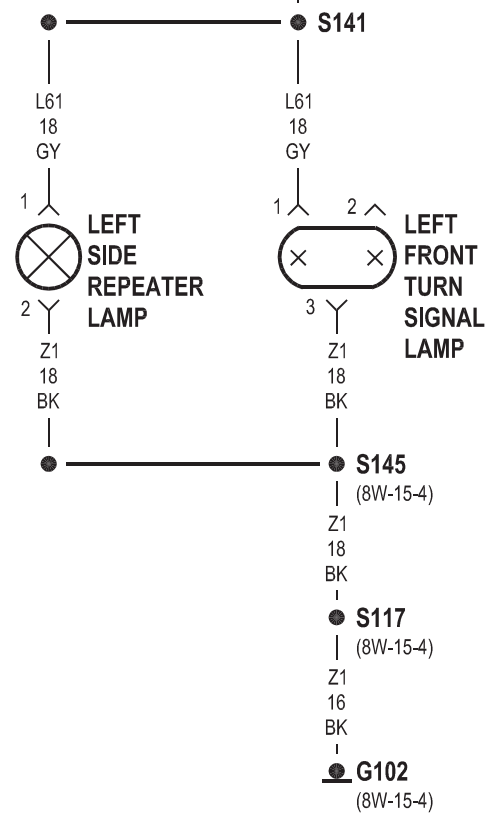
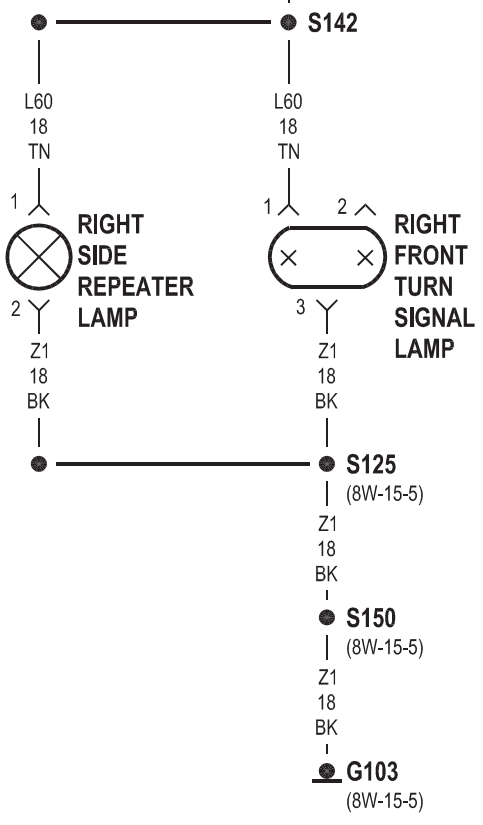
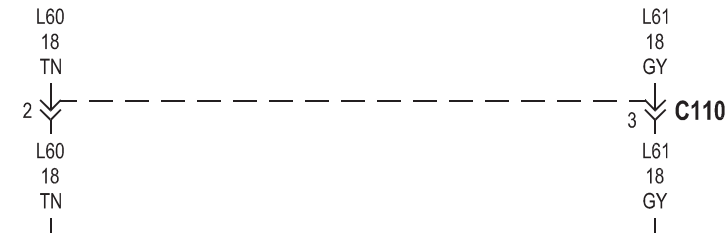
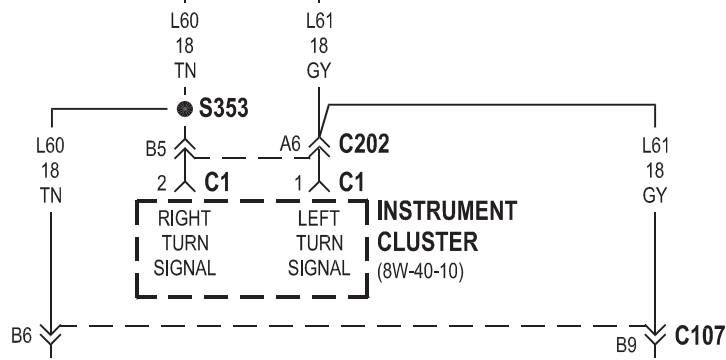
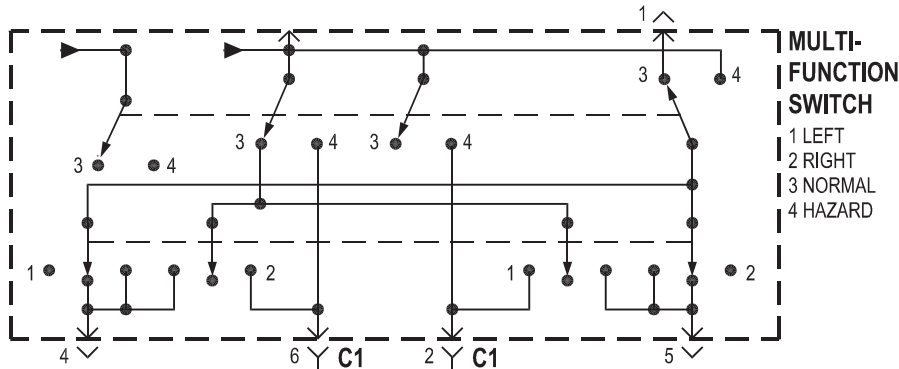
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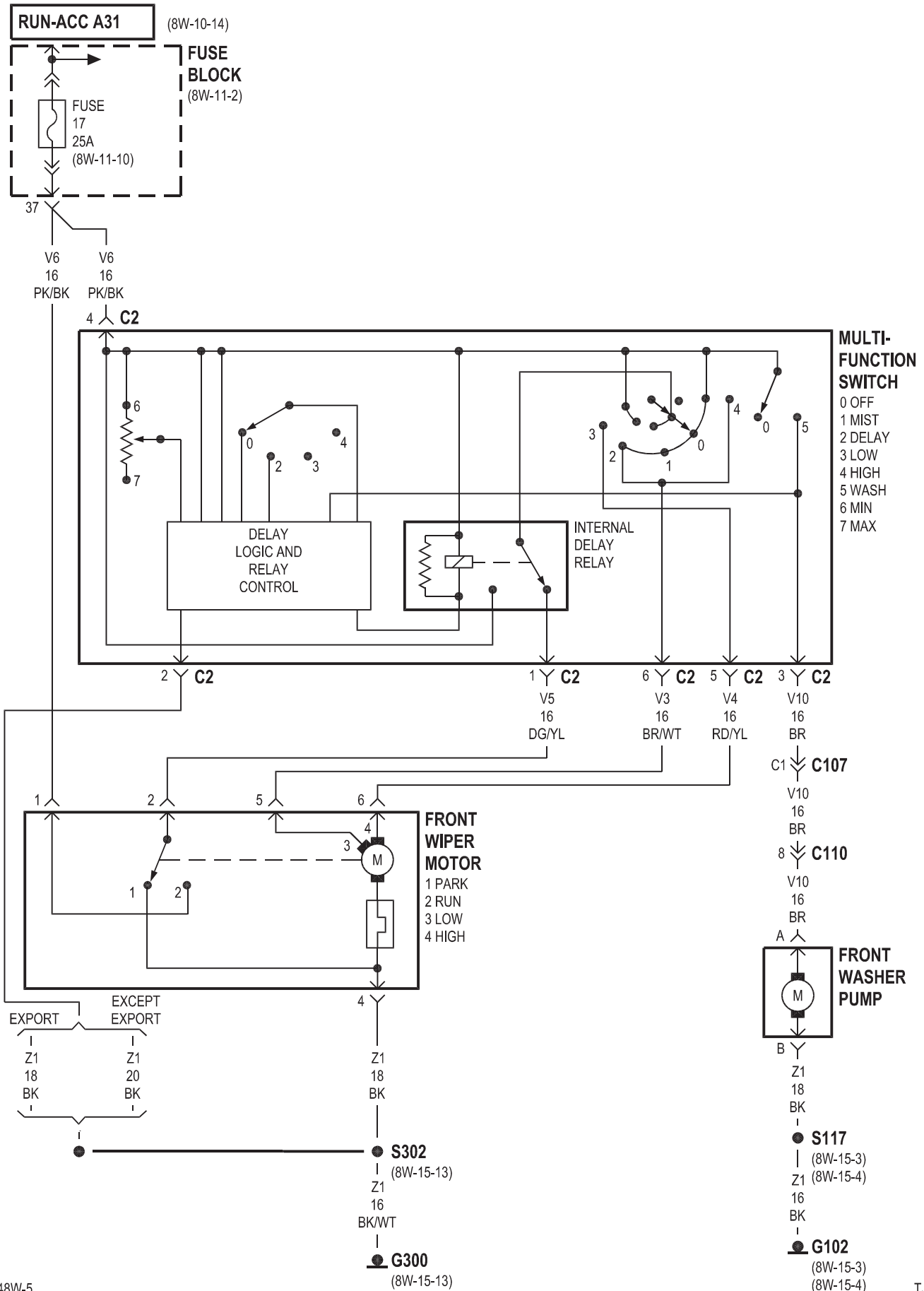
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8W-53 WIPERS

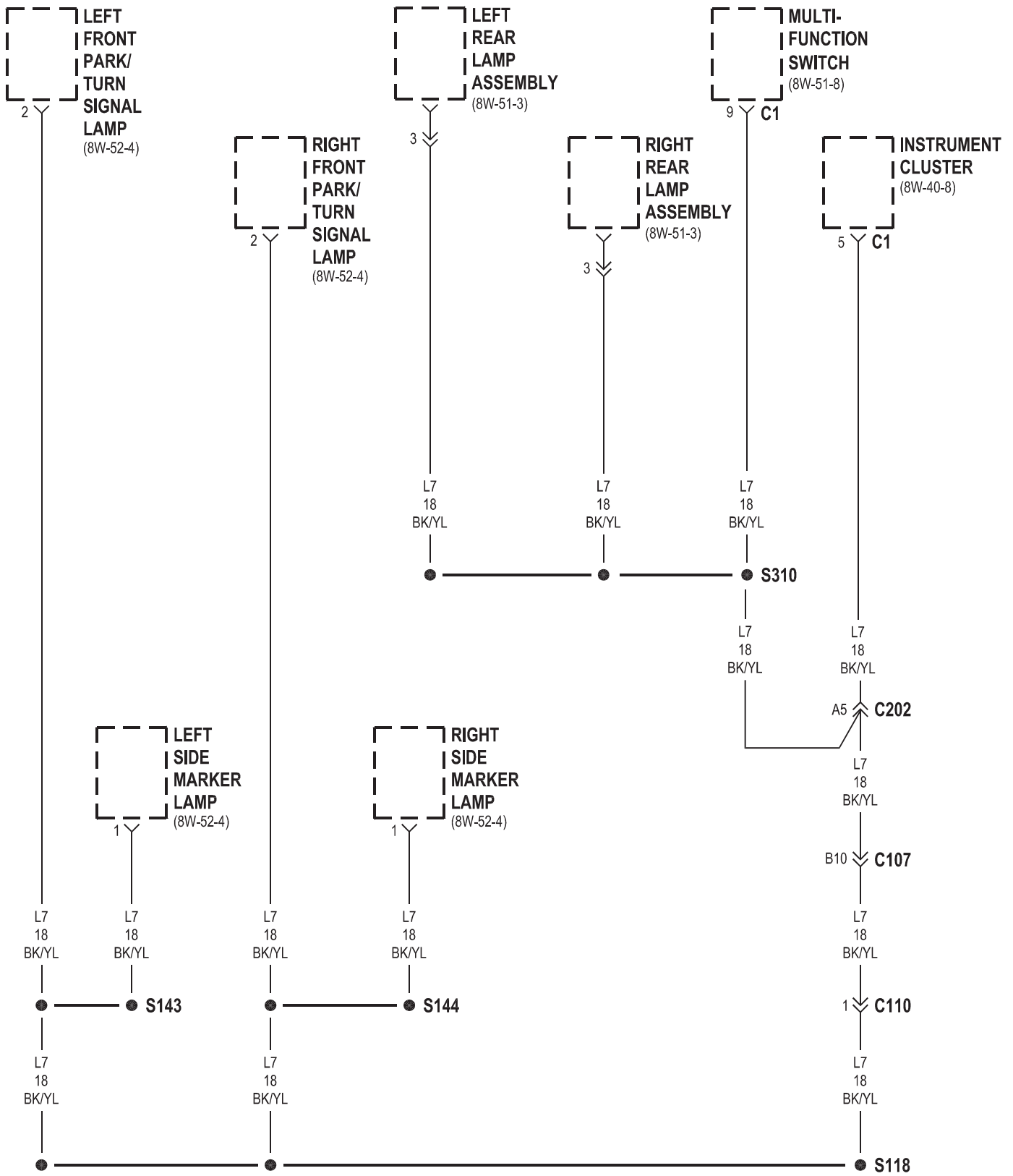
Component	Page	Component	Page
Front Washer Pump	8W-53-2	G302	8W-53-4
Front Wiper Motor	8W-53-2	Instrument Cluster	8W-53-3
Fuse 6	8W-53-4	Multi-Function Switch	8W-53-2
Fuse 17	8W-53-2	Rear Washer Pump	8W-53-3, 4
Fuse Block	8W-53-2, 4	Rear Wiper Motor	8W-53-3, 4
G102	8W-53-2	Rear Wiper/Washer Switch	8W-53-3
G200	8W-53-3		
G300	8W-53-2		



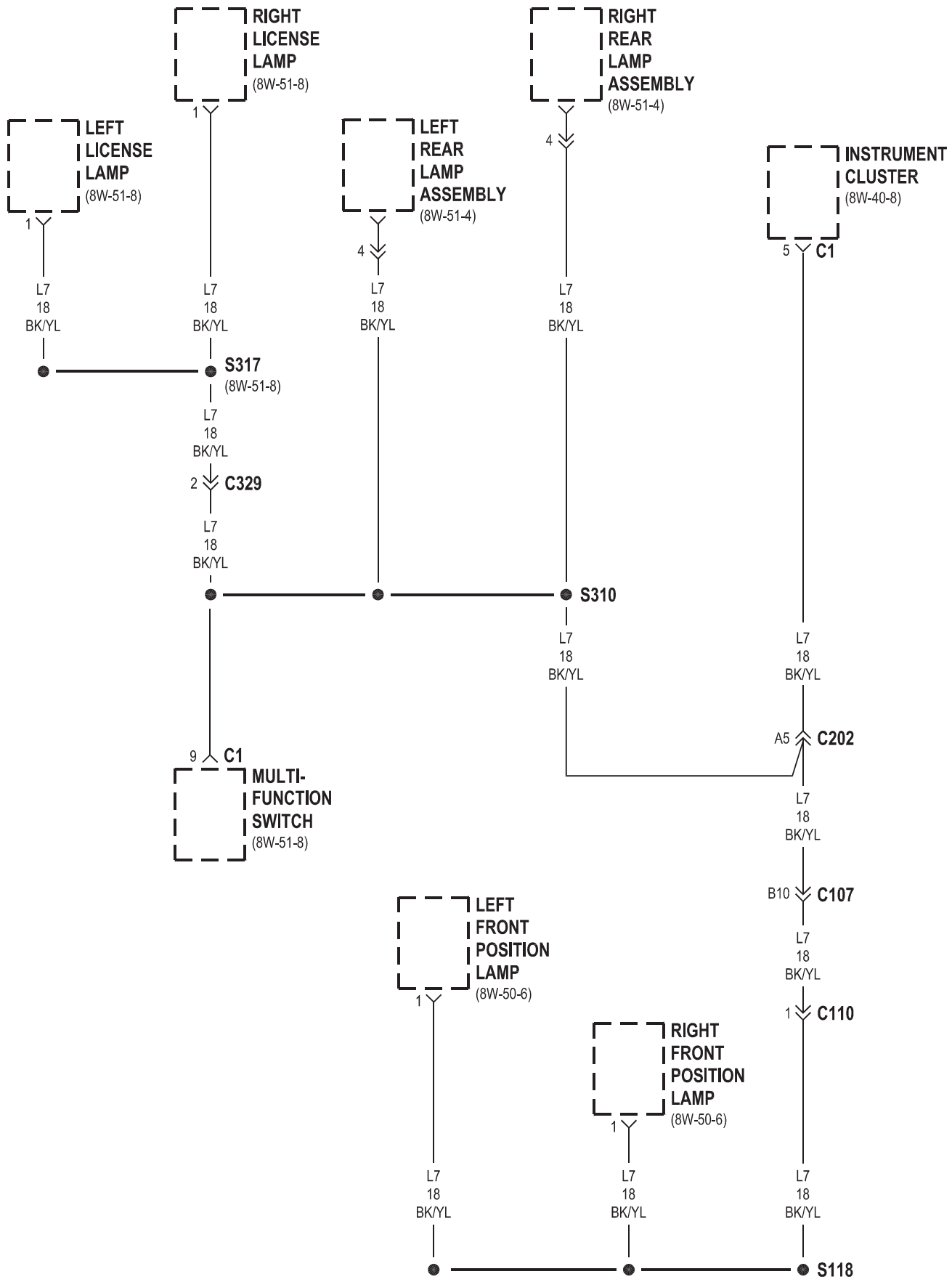
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8W-70 SPLICE INFORMATION

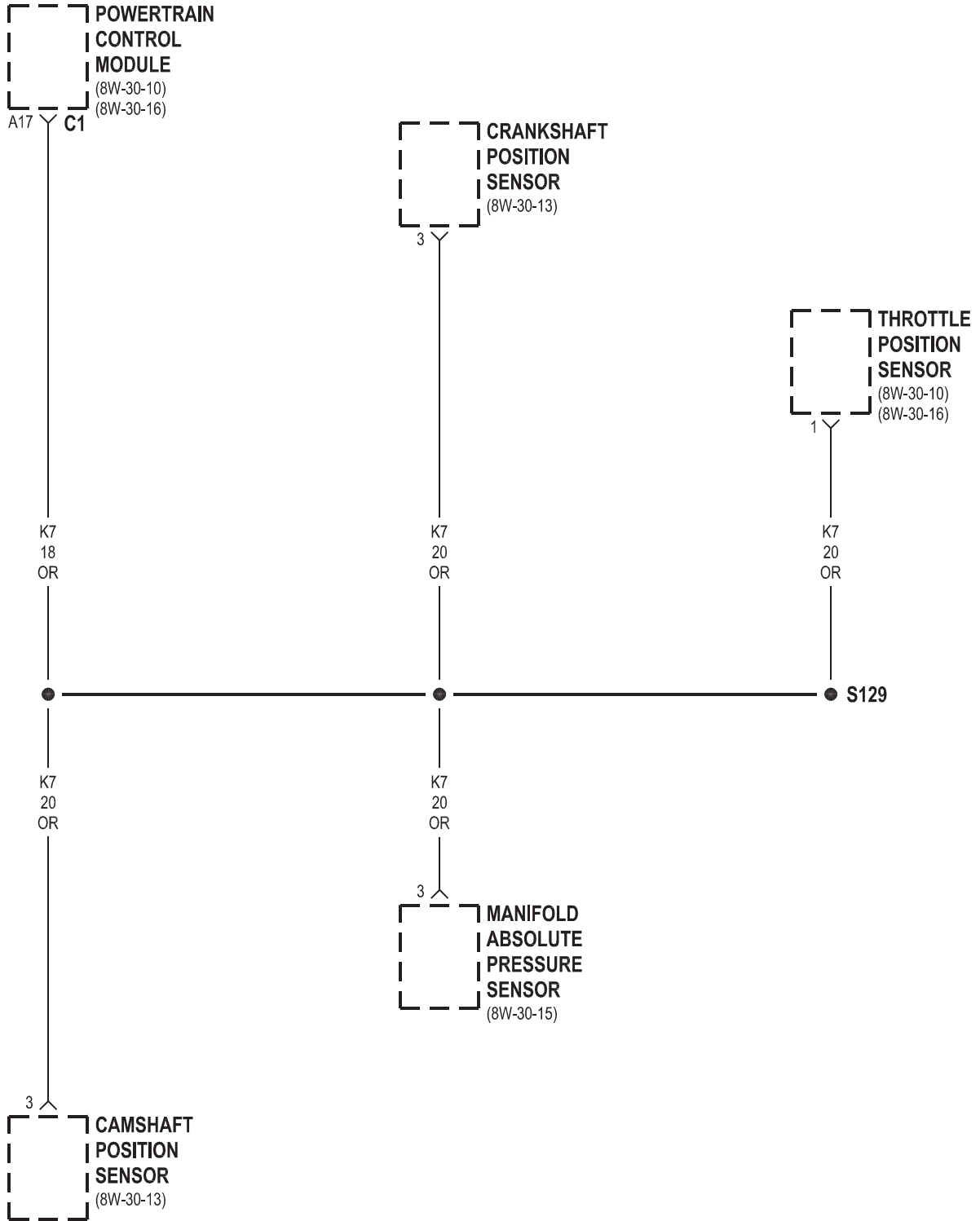
Component	Page	Component	Page
S101	8W-10-16	S162	8W-11-11
S102	8W-11-8	S163	8W-30-16
S103	8W-42-6, 7	S164	8W-15-8
S105	8W-50-3	S170	8W-18-4
S106	8W-15-2	S171	8W-18-3
S108	8W-42-6, 9	S172	8W-11-11
S111	8W-10-13	S173	8W-10-20
S113	8W-30-11, 17	S173	8W-44-2
S116	8W-10-19	S176	8W-70-5
S117	8W-15-3, 4	S177	8W-70-9
S118	8W-70-2, 3	S178	8W-10-18
S121	8W-70-6, 7, 8	S180	8W-10-12
S122	8W-15-3	S180	8W-42-9
S123	8W-30-10	S202	8W-44-3
S124	8W-10-16	S204	8W-10-20
S125	8W-15-5	S206	8W-44-5
S126	8W-10-17	S207	8W-15-11, 12
S127	8W-70-5, 6, 7, 8	S208	8W-42-2, 4
S128	8W-10-17, 18	S209	8W-18-2
S129	8W-70-4	S210	8W-10-21
S130	8W-15-6	S215	8W-11-7
S132	8W-15-7, 8, 9	S216	8W-31-14
S133	8W-70-5, 6, 7, 8	S217	8W-31-14
S134	8W-15-7, 8, 9	S302	8W-15-13
S135	8W-30-10	S304	8W-50-2
S136	8W-10-8	S309	8W-15-14
S137	8W-15-7, 8	S310	8W-70-2, 3
S138	8W-50-7	S311	8W-51-4
S140	8W-10-15	S315	8W-51-7
S141	8W-52-4, 5	S316	8W-15-14
S142	8W-52-4, 5	S317	8W-51-8
S143	8W-70-2	S320	8W-10-11
S144	8W-70-2	S331	8W-10-13
S145	8W-15-4	S335	8W-51-3
S147	8W-70-5, 6, 7, 8	S351	8W-10-20
S150	8W-15-5	S352	8W-44-3
S151	8W-11-10	S353	8W-52-4, 5
S152	8W-50-3, 10	S354	8W-51-8
S153	8W-10-17	S355	8W-18-2
S155	8W-50-9	S356	8W-47-5
S156	8W-50-10	S357	8W-47-5
S157	8W-31-8	S358	8W-47-5
S158	8W-31-11	S359	8W-47-5
S159	8W-10-21	S360	8W-15-14
S160	8W-31-9	S361	8W-11-5
S161	8W-30-2		



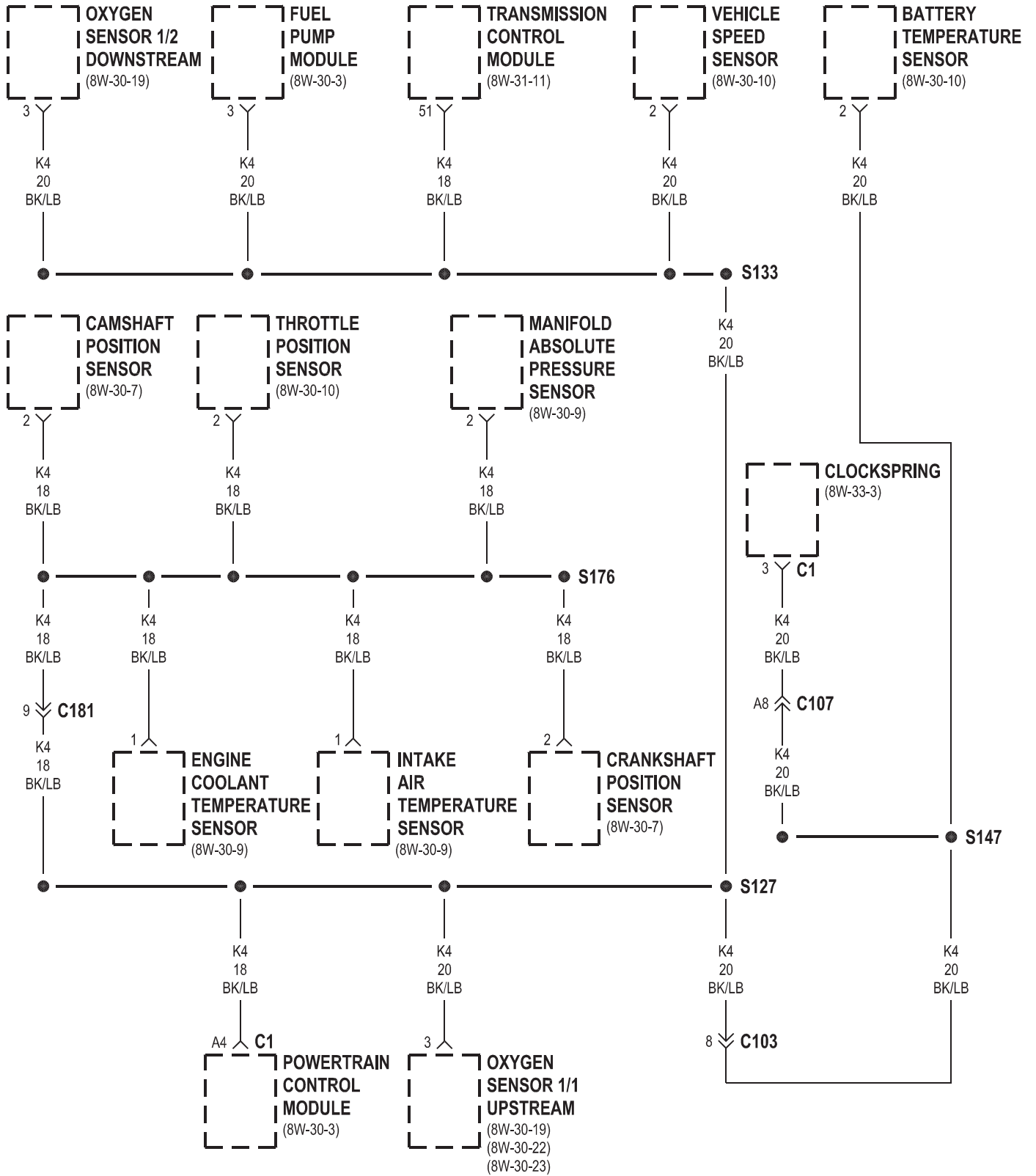
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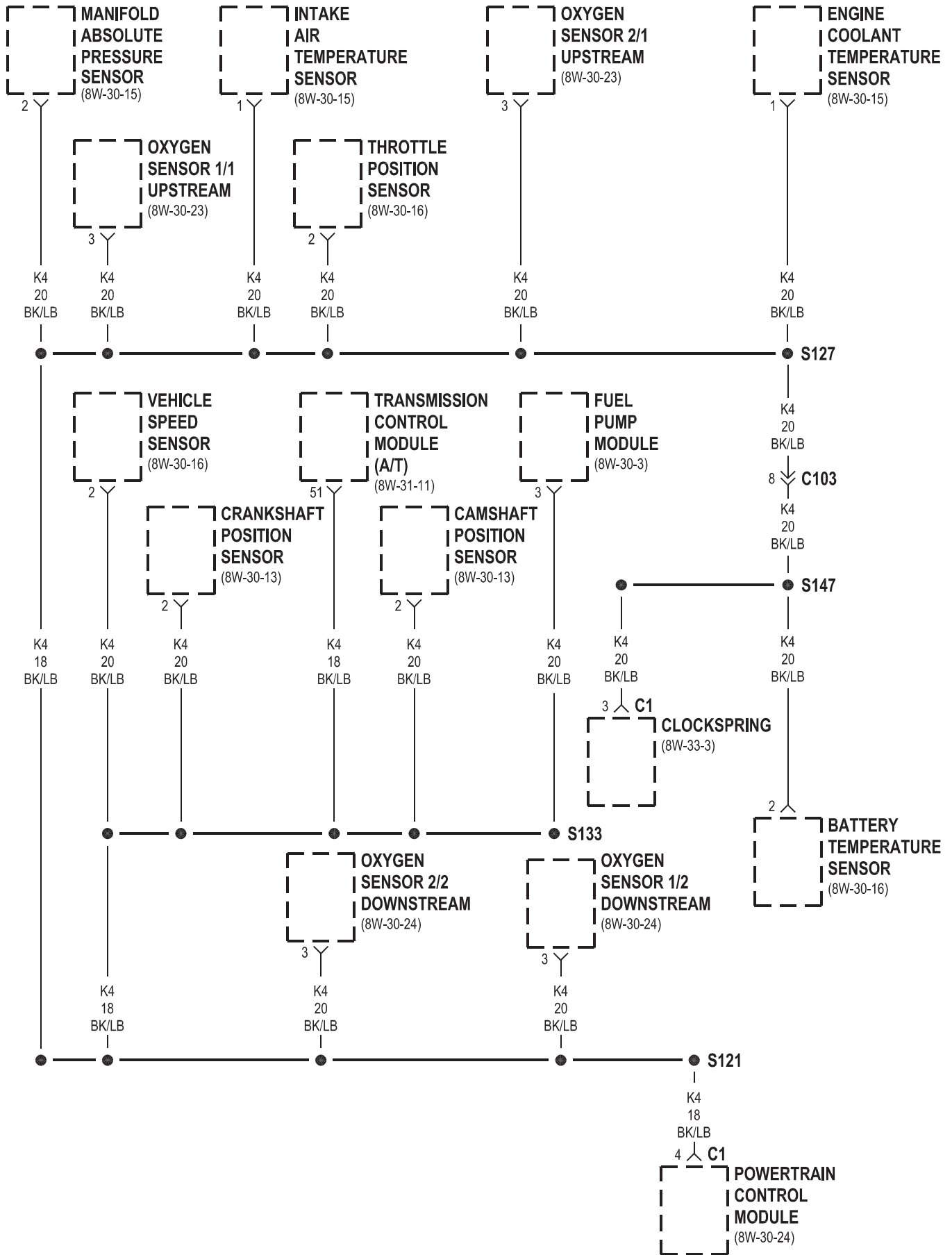


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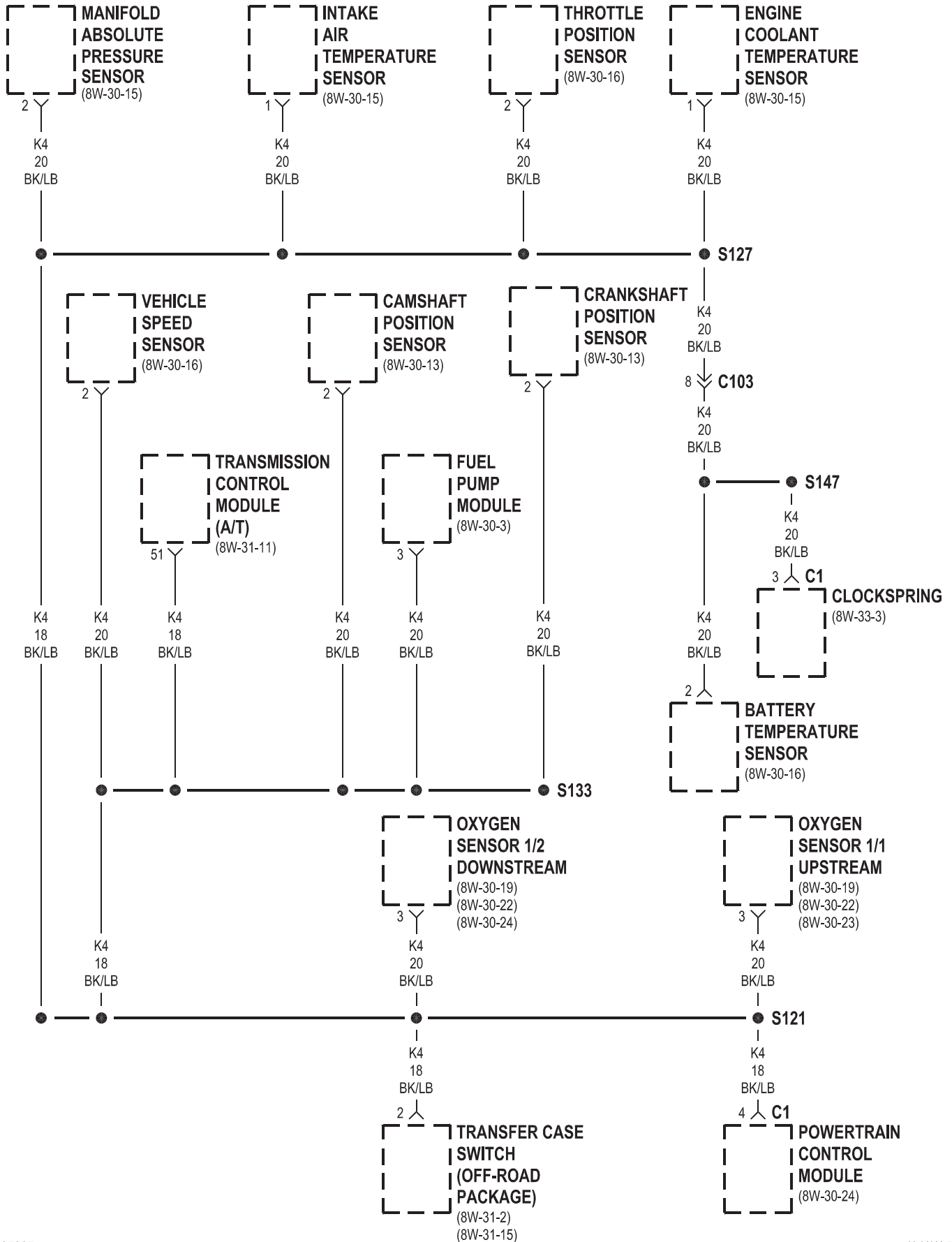


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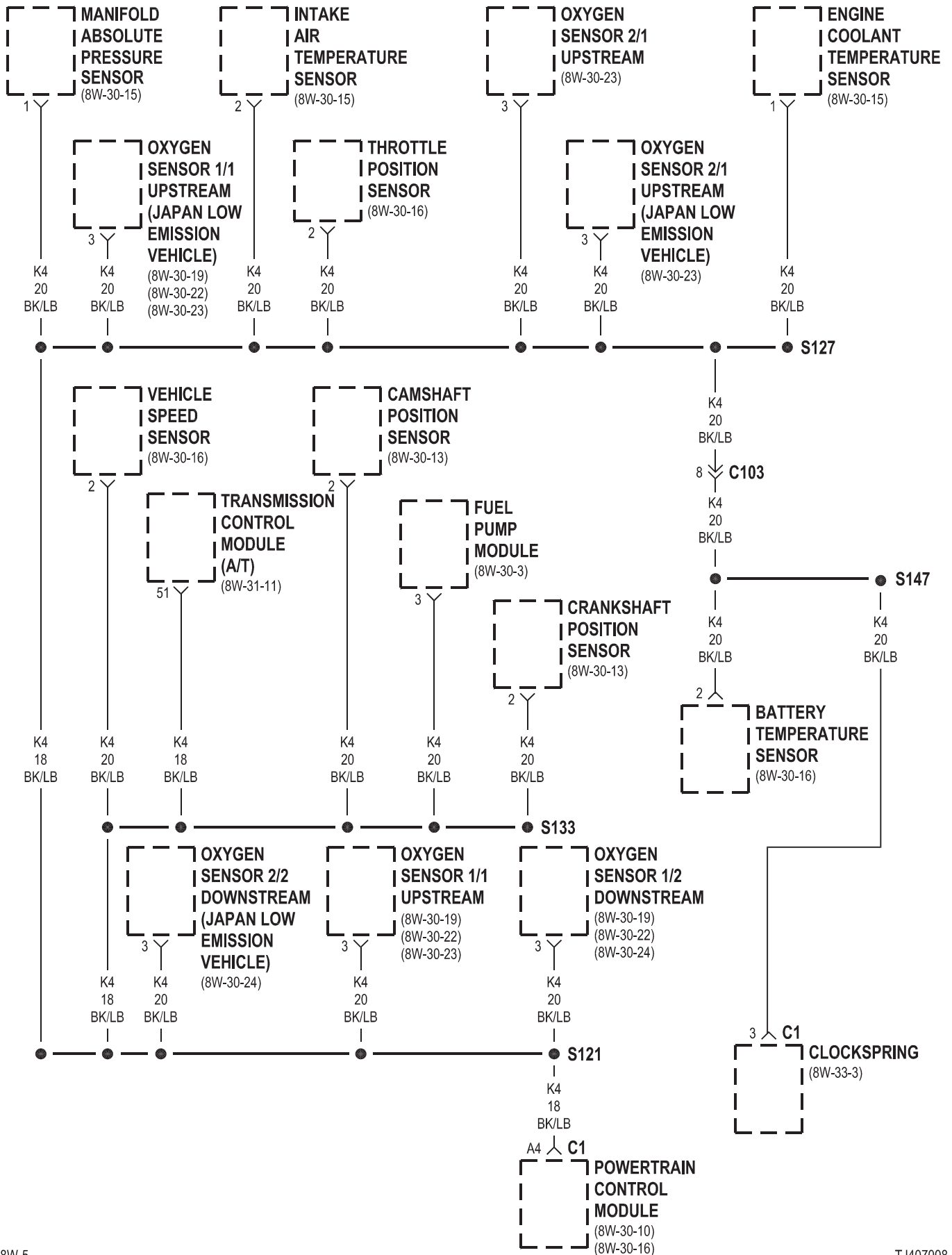
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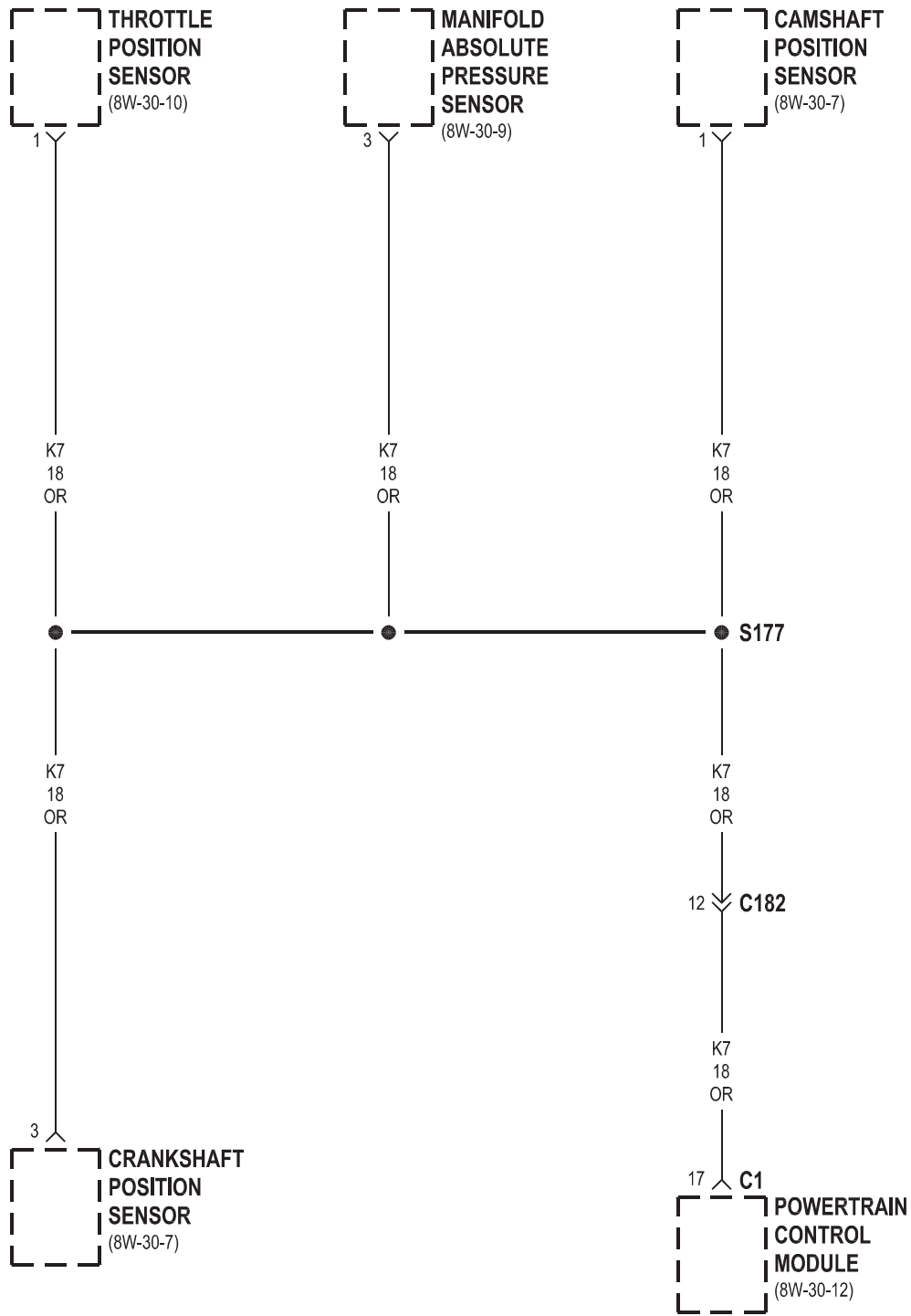
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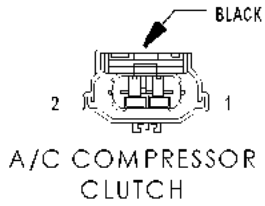


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8W-80 CONNECTOR PIN-OUTS

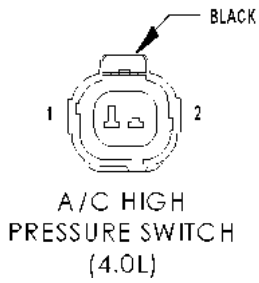
Component	Page	Component	Page
A/C Compressor Clutch	8W-80-3	C324	8W-80-20
A/C High Pressure Switch (4.0L)	8W-80-3	C325	8W-80-20
A/C Low Pressure Switch (2.4L)	8W-80-3	C325	8W-80-20
A/C Low Pressure Switch (4.0L)	8W-80-3	C326 (Hard Top)	8W-80-20
A/C Pressure Transducer (2.4L)	8W-80-3	C326 (Hard Top)	8W-80-21
A/C-Heater Control C1	8W-80-4	C329 (Export)	8W-80-21
A/C-Heater Control C2	8W-80-4	C329 (Export)	8W-80-21
A/C-Heater Control C3	8W-80-4	C380 (Except Export)	8W-80-21
Airbag Control Module	8W-80-4	C380	8W-80-21
Ambient Temperature Sensor	8W-80-5	Camshaft Position Sensor (2.4L)	8W-80-22
Axle Lock Switch (Off-Road Package)	8W-80-5	Camshaft Position Sensor (4.0L)	8W-80-22
Back-Up Lamp Switch (M/T)	8W-80-5	Cigar Lighter/Power Outlet	8W-80-22
Battery Temperature Sensor	8W-80-5	Circuit Breaker	8W-80-22
Blend Door Actuator	8W-80-6	Clockspring C1	8W-80-22
Blower Motor	8W-80-6	Clockspring C2	8W-80-23
Blower Motor Relay	8W-80-6	Clutch Pedal Position Switch (M/T)	8W-80-23
Blower Motor Resistor Block	8W-80-6	Compass/Temperature Mirror	8W-80-23
Brake Lamp Switch	8W-80-6	Controller Antilock Brake	8W-80-23
Brake Transmission Shift Interlock		Crankshaft Position Sensor	
Solenoid	8W-80-7	(2.4L/4.0L A/T)	8W-80-24
Brake Warning Indicator Switch	8W-80-7	Crankshaft Position Sensor (4.0L M/T)	8W-80-24
C103	8W-80-7	Data Link Connector	8W-80-24
C103	8W-80-8	Daytime Running Lamp Module (Except	
C104 (LHD)	8W-80-8	Export)	8W-80-25
C104 (LHD)	8W-80-9	Driver Airbag Squib 1	8W-80-25
C104 (RHD)	8W-80-9	Driver Door Ajar Switch	8W-80-25
C104 (RHD)	8W-80-9	Engine Coolant Temperature Sensor	8W-80-25
C107	8W-80-10	Engine Oil Pressure Switch	8W-80-26
C107	8W-80-11	EVAP/Purge Solenoid	8W-80-26
C109 (A/T)	8W-80-12	Front Locker Indicator Switch (Off-Road	
C109 (A/T)	8W-80-12	Package)	8W-80-26
C110	8W-80-12	Front Locker Pump (Off-Road Package)	8W-80-26
C110	8W-80-13	Front Washer Pump	8W-80-27
C115 (Off-Road Package)	8W-80-13	Front Wiper Motor	8W-80-27
C115 (Off-Road Package)	8W-80-13	Fuel Injector No. 1 (2.4L)	8W-80-27
C116 (Off-Road Package)	8W-80-13	Fuel Injector No. 1 (4.0L)	8W-80-27
C116 (Off-Road Package)	8W-80-14	Fuel Injector No. 2 (2.4L)	8W-80-27
C120 (2.4L)	8W-80-14	Fuel Injector No. 2 (4.0L)	8W-80-28
C120 (2.4L)	8W-80-14	Fuel Injector No. 3 (2.4L)	8W-80-28
C170	8W-80-14	Fuel Injector No. 3 (4.0L)	8W-80-28
C170	8W-80-15	Fuel Injector No. 4 (2.4L)	8W-80-28
C181 (2.4L)	8W-80-15	Fuel Injector No. 4 (4.0L)	8W-80-28
C181 (2.4L)	8W-80-16	Fuel Injector No. 5 (4.0L)	8W-80-28
C182 (2.4L)	8W-80-16	Fuel Injector No. 6 (4.0L)	8W-80-29
C182 (2.4L)	8W-80-16	Fuel Pump Module	8W-80-29
C202	8W-80-17	G-Switch (LHD)	8W-80-29
C202	8W-80-18	Generator	8W-80-29
C203	8W-80-19	Headlamp Leveling Switch (Export)	8W-80-29
C203	8W-80-19	Horn	8W-80-30
C205	8W-80-19	Idle Air Control Motor	8W-80-30
C205	8W-80-19	Ignition Coil Pack (2.4L)	8W-80-30
C324	8W-80-20	Ignition Coil Pack (4.0L)	8W-80-30

Component	Page	Component	Page
Ignition Switch	8W-80-30	Radio	8W-80-43
Input Speed Sensor	8W-80-31	Rear Fog Lamp (Export)	8W-80-43
Instrument Cluster C1	8W-80-31	Rear Locker Indicator Switch (Off-Road Package)	8W-80-44
Instrument Cluster C2	8W-80-31	Rear Locker Pump (Off-Road Package)	8W-80-44
Intake Air Temperature Sensor	8W-80-32	Rear Washer Pump (Hard Top)	8W-80-44
Leak Detection Pump	8W-80-32	Rear Window Defogger Switch (Hard Top)	8W-80-44
Left Courtesy Lamp	8W-80-32	Rear Wiper Motor (Hard Top)	8W-80-45
Left Dome Lamp	8W-80-32	Rear Wiper/washer Switch (Hard Top)	8W-80-45
Left Fog Lamp (Except Export)	8W-80-32	Right Courtesy Lamp	8W-80-45
Left Front Park/Turn Signal Lamp (Except Export)	8W-80-33	Right Dome Lamp	8W-80-45
Left Front Position Lamp (Export)	8W-80-33	Right Fog Lamp (Except Export)	8W-80-45
Left Front Speaker	8W-80-33	Right Front Park/Turn Signal Lamp (Except Export)	8W-80-46
Left Front Turn Signal Lamp (Export)	8W-80-33	Right Front Position Lamp (Export)	8W-80-46
Left Front Wheel Speed Sensor	8W-80-33	Right Front Speaker	8W-80-46
Left Headlamp	8W-80-34	Right Front Turn Signal Lamp (Export)	8W-80-46
Left Headlamp Leveling Motor (Export)	8W-80-34	Right Front Wheel Speed Sensor	8W-80-46
Left License Lamp (Export)	8W-80-34	Right Headlamp	8W-80-47
Left Rear Lamp Assembly	8W-80-34	Right Headlamp Leveling Motor (Export)	8W-80-47
Left Rear Speaker	8W-80-35	Right License Lamp (Export)	8W-80-47
Left Rear Wheel Speed Sensor	8W-80-35	Right Rear Lamp Assembly	8W-80-47
Left Side Marker Lamp (Except Export)	8W-80-35	Right Rear Speaker	8W-80-48
Left Side Repeater Lamp (Export)	8W-80-35	Right Rear Wheel Speed Sensor	8W-80-48
Manifold Absolute Pressure Sensor (2.4L)	8W-80-35	Right Side Marker Lamp (Except Export)	8W-80-48
Manifold Absolute Pressure Sensor (4.0L)	8W-80-36	Right Side Repeater Lamp (Export)	8W-80-48
Multi-Function Switch C1	8W-80-36	Seat Belt Switch (Except LHD Export)	8W-80-48
Multi-Function Switch C2	8W-80-36	Sentry Key Immobilizer Module	8W-80-49
Output Speed Sensor	8W-80-37	Speed Control Servo	8W-80-49
Overdrive Off Switch	8W-80-37	Subwoofer	8W-80-49
Oxygen Sensor 1/1 Upstream	8W-80-37	Throttle Position Sensor (2.4L)	8W-80-49
Oxygen Sensor 1/2 Downstream	8W-80-37	Throttle Position Sensor (4.0L)	8W-80-50
Oxygen Sensor 2/1 Upstream (Except Export/Japan Low Emission Vehicle)	8W-80-38	Torque Converter Clutch Solenoid	8W-80-50
Oxygen Sensor 2/2 Downstream (Except Export/Japan Low Emission Vehicle)	8W-80-38	Transfer Case Switch (Except Off-Road Package)	8W-80-50
Passenger Airbag On-Off Switch (LHD)	8W-80-38	Transfer Case Switch (Off-Road Package)	8W-80-50
Passenger Airbag Squib 1	8W-80-38	Transmission Control Module	8W-80-51
Passenger Door Ajar Switch	8W-80-39	Transmission Range Indicator Illumination (PRNDL)	8W-80-52
Power Outlet	8W-80-39	Transmission Range Sensor	8W-80-52
Power Steering Pressure Switch (2.4L)	8W-80-39	Transmission Solenoid/Pressure Switch Assembly	8W-80-53
Powertrain Control Module C1	8W-80-40	Underhood Lamp	8W-80-53
Powertrain Control Module C2	8W-80-41	Vehicle Speed Sensor	8W-80-53
Powertrain Control Module C3	8W-80-42		
Radiator Fan Motor (2.4L)	8W-80-42		
Radiator Fan Motor Circuit Breaker (2.4L)	8W-80-43		



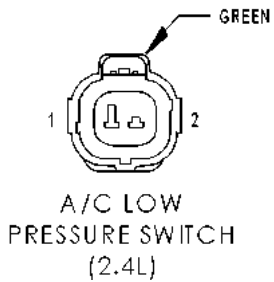
A/C COMPRESSOR CLUTCH - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	C3 18DB/BK (2.4L)	A/C CLUTCH RELAY OUTPUT
1	C3 20DB/BK (4.0L)	A/C COMPRESSOR CLUTCH RELAY OUTPUT
2	Z246 18BK/OR (2.4L)	GROUND
2	Z1 20BK (4.0L)	GROUND



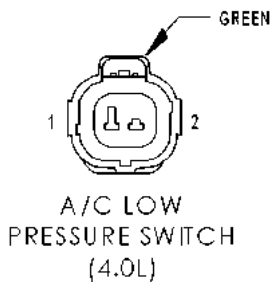
A/C HIGH PRESSURE SWITCH (4.0L) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	C90 20LG	A/C SELECT SIGNAL
2	C22 20DB/WT	A/C SWITCH SIGNAL



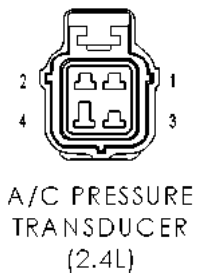
A/C LOW PRESSURE SWITCH (2.4L) - GREEN 2 WAY

CAV	CIRCUIT	FUNCTION
1	C21 18DB/OR	A/C SWITCH SENSE
2	C90 20LG	A/C SELECT INPUT



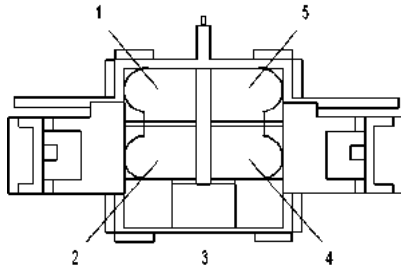
A/C LOW PRESSURE SWITCH (4.0L) - GREEN 2 WAY

CAV	CIRCUIT	FUNCTION
1	C21 20DB/OR	A/C REQUEST SIGNAL
2	C22 20DB/WT	A/C SWITCH SIGNAL

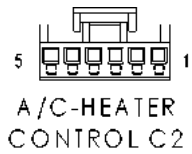


A/C PRESSURE TRANSDUCER (2.4L) - 4 WAY

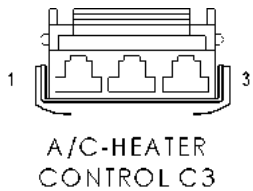
CAV	CIRCUIT	FUNCTION
1	K4 20BK/LB	SENSOR GROUND 1
2	K6 20VT/WT	5 VOLT SUPPLY
3	C18 18DB	A/C PRESSURE SIGNAL
4	-	-



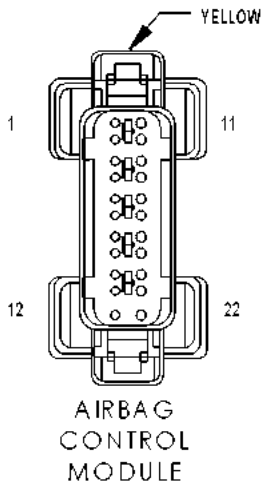
A/C
HEATER
CONTROL C1



A/C-HEATER
CONTROL C2



A/C-HEATER
CONTROL C3



AIRBAG
CONTROL
MODULE

A/C-HEATER CONTROL C1 - 5 WAY

CAV	CIRCUIT	FUNCTION
1	C7 12BR/TN	BLOWER MOTOR HIGH SPEED
2	C6 14LB	BLOWER MOTOR M2 SPEED
3	C5 16LG/LB	BLOWER MOTOR M1 SPEED
4	C4 18TN	BLOWER MOTOR LOW SPEED
5	C1 12DG	BLOWER MOTOR FEED

A/C-HEATER CONTROL C2 - 5 WAY

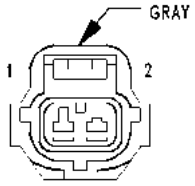
CAV	CIRCUIT	FUNCTION
1	Z11 20BK/WT (LHD)	GROUND
1	F24 20RD/DG (RHD)	FUSED IGNITION SWITCH OUTPUT (RUN)
2	C36 20DB/RD	BLEND DOOR FEEDBACK SIGNAL
3	F24 20RD/DG (LHD)	FUSED IGNITION SWITCH OUTPUT (RUN)
3	Z11 20BK/WT (RHD)	GROUND
4	E2 20OR	FUSED PANEL LAMPS DIMMER SWITCH SIGNAL
5	Z1 20BK	GROUND

A/C-HEATER CONTROL C3 - 3 WAY

CAV	CIRCUIT	FUNCTION
1	C90 20LG	A/C SELECT INPUT
2	C1 12DG	BLOWER MOTOR FEED
3	Z1 12BK	GROUND

AIRBAG CONTROL MODULE - YELLOW 22 WAY

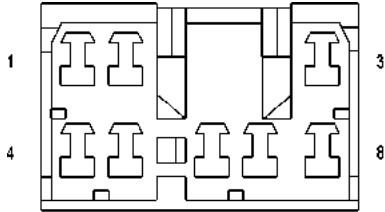
CAV	CIRCUIT	FUNCTION
1	R45 18DG/LB	DRIVER SQUIB 1 LINE 2
2	R43 18BK/LB	DRIVER SQUIB 1 LINE 1
3	-	-
4	-	-
5	R42 18BK/YL	PASSENGER SQUIB 1 LINE 1
6	R44 18DG/YL	PASSENGER SQUIB 1 LINE 2
7	-	-
8	R166 18LG/BR (PAD)	PASSENGER AIRBAG INDICATOR DRIVER
9	-	-
10	Z6 18BK/PK	GROUND
11	R65 18LG/OR (PAD)	PASSENGER AIRBAG MUX SWITCH SENSE
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN)
18	D25 18VT/YL	PCI BUS
19	-	-
20	F23 18DB/YL	FUSED IGNITION SWITCH OUTPUT (RUN)
21	-	-
22	R66 18YL/LG (PAD)	PASSENGER AIRBAG MUX SWITCH RETURN



AMBIENT TEMPERATURE SENSOR

AMBIENT TEMPERATURE SENSOR - GRAY 2 WAY

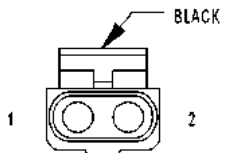
CAV	CIRCUIT	FUNCTION
1	G31 20VT/LG	AMBIENT TEMPERATURE SENSOR SIGNAL
2	G32 20BK/LB	SENSOR GROUND



AXLE LOCK SWITCH (OFF-ROAD PACKAGE)

AXLE LOCK SWITCH (OFF-ROAD PACKAGE) - 8 WAY

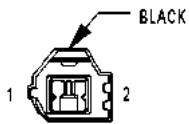
CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	E2 20OR	PANEL LAMPS FEED
3	M1 20PK/WT	FUSED B(+)
4	G302 20RD/WT	LOCKER ENABLE SIGNAL 1
5	G303 20VT/DG	LOCKER ENABLE SIGNAL 2
6	G305 20VT/LG	REAR LOCKER REQUEST
7	G304 20VT/DB	FRONT LOCKER REQUEST
8	-	-



BACK-UP LAMP SWITCH (M/T)

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

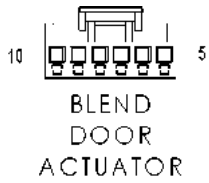
CAV	CIRCUIT	FUNCTION
1	F20 20VT/WT	FUSED IGNITION SWITCH OUTPUT (RUN)
2	L1 20VT/BK	BACK-UP LAMP FEED



BATTERY TEMPERATURE SENSOR

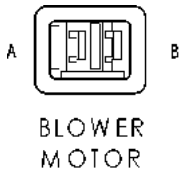
BATTERY TEMPERATURE SENSOR - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K118 18PK/YL	BATTERY TEMPERATURE SENSOR SIGNAL
2	K4 20BK/LB	SENSOR GROUND 1



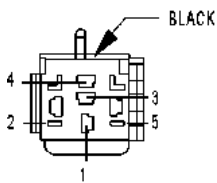
BLEND DOOR ACTUATOR - 6 WAY

CAV	CIRCUIT	FUNCTION
5	-	-
6	-	-
7	Z11 20DB/WT	GROUND
8	C36 20YL	BLEND DOOR FEEDBACK SIGNAL
9	-	-
10	F24 20OR	FUSED IGNITION SWITCH OUTPUT (RUN)



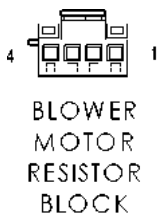
BLOWER MOTOR - 2 WAY

CAV	CIRCUIT	FUNCTION
A	C1 12DG	BLOWER MOTOR RELAY OUTPUT
B	C7 12BK/TN	BLOWER MOTOR HIGH DRIVER



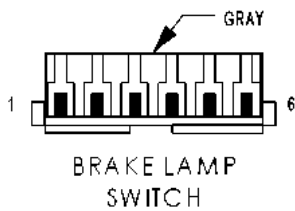
BLOWER MOTOR RELAY - BLACK

CAV	CIRCUIT	FUNCTION
1	C1 12DG	BLOWER MOTOR RELAY OUTPUT
2	Z1 20BK	GROUND
3	-	-
4	A111 12RD/LG	FUSED B(+)
5	F24 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN)



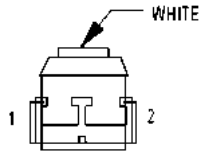
BLOWER MOTOR RESISTOR BLOCK - 4 WAY

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



BRAKE LAMP SWITCH - GRAY 6 WAY

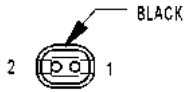
CAV	CIRCUIT	FUNCTION
1	K29 20WT/PK	BRAKE LAMP SWITCH SENSE
1	K29 20WT/PK	BRAKE LAMP SWITCH SENSE
2	Z1 20BK/WT	GROUND
3	V32 20YL/RD	SPEED CONTROL ON/OFF SWITCH SENSE
4	V30 20DB/RD	SPEED CONTROL BRAKE LAMP SWITCH OUTPUT
5	F32 18PK/DB	FUSED B(+)
6	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT



BRAKE
TRANSMISSION
SHIFT INTERLOCK
SOLENOID

BRAKE TRANSMISSION SHIFT INTERLOCK SOLENOID - WHITE 2 WAY

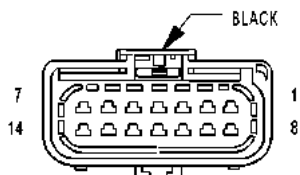
CAV	CIRCUIT	FUNCTION
1	K29 20WT/PK	BRAKE LAMP SWITCH SENSE
2	G5 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)



BRAKE
WARNING
INDICATOR
SWITCH

BRAKE WARNING INDICATOR SWITCH - BLACK 2 WAY

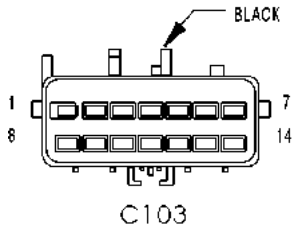
CAV	CIRCUIT	FUNCTION
1	G9 20GY/BK	BRAKE WARNING INDICATOR DRIVER
2	G99 20GY/WT	BRAKE WARNING INDICATOR DRIVER



C103

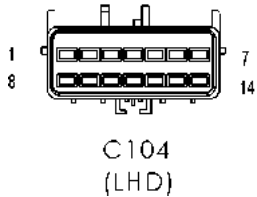
C103 - BLACK (DASH SIDE)

CAV	CIRCUIT
1	F142 18OR/DG
2	K125 18WT/DB
3	K6 20VT/WT (2.4L A/C)
3	C90 20LG (4.0L)
4	K99 18BR/OR
5	K299 18BR/WT
7	A242 18VT/OR (4.0L)
8	K4 20BK/LB
9	F15 20DB
10	-
11	Z12 20BK/TN
12	G7 20WT/OR (DRL)
13	T141 18YL/RD
14	C3 20DB/BK (A/C)



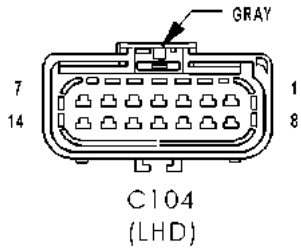
C103 - BLACK (ENGINE SIDE)

CAV	CIRCUIT
1	F142 18OR/DG
2	K125 18WT/DB
3	K6 20VT/WT (2.4L)
3	C90 20LG (4.0L)
4	K99 18BR/OR
5	K299 18BR/WT
6	-
7	A242 18VT/OR (4.0L EXCEPT EXPORT/ 4.0L JAPAN LOW EMISSION VEHICLE)
8	K4 20BK/LB
9	F15 18DB/WT
10	- -
11	Z12 20BK/TN
12	G7 20WT/OR (DRL)
13	T141 18YL/RD
14	C3 20DB/BK



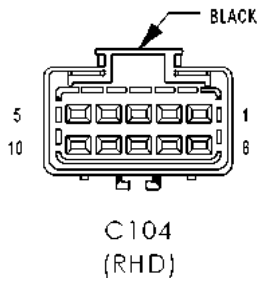
C104 (LHD) - (ENGINE SIDE)

CAV	CIRCUIT
1	A14 14RD/WT
2	C18 18DB (2.4L)
2	C21 20DB/OR (4.0L)
3	B1 18YL/DB (4.0L ABS)
3	G301 20VT/LB (4.0L OFF-ROAD PACK- AGE)
4	B2 18YL (4.0L ABS)
4	A850 18RD/WT (4.0L OFF-ROAD PACK- AGE)
5	T41 20BK/WT
6	B3 18LG/DB (4.0L ABS)
6	G300 20VT/WT (4.0L OFF-ROAD PACK- AGE)
7	B4 18LG (4.0L ABS)
7	A750 18TN/RD (4.0L OFF-ROAD PACK- AGE)
8	K226 20DB/LG
9	L1 20VT/BK
10	F20 20VT/WT
11	F42 18DG/LG
12	T40 12BR
13	G107 20BK/RD (4X4)
14	A141 18DG/WT



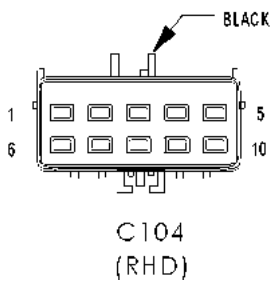
C104 (LHD) - GRAY (DASH SIDE)

CAV	CIRCUIT
1	A14 14RD/WT
2	C18 18DB (2.4L A/C)
2	C21 18DB/OR (4.0L)
3	B1 18YL/DB (ABS)
3	G301 20VT/LB (OFF-ROAD PACKAGE)
4	B2 18YL (ABS)
4	A850 18RD/WT (OFF-ROAD PACKAGE)
5	T41 20BR/LB
6	B3 18LG/DB (ABS)
6	G300 20VT/WT (OFF-ROAD PACKAGE)
7	B4 18LG (ABS)
7	A750 18TN/RD (OFF-ROAD PACKAGE)
8	K226 18DB/LG
9	L1 20VT/BK
10	F20 20VT/WT
11	F42 18DG/LG
12	T40 14BR
13	G107 20BK/RD
14	A141 18DG/WT



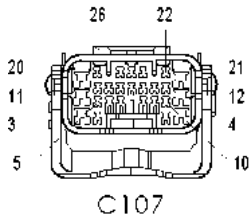
C104 (RHD) - BLACK (DASH SIDE)

CAV	CIRCUIT
1	A14 14RD/WT
2	C21 18DB/OR
3	A141 18DG/WT
4	F42 18DG/LG
5	T41 20BR/LB
6	T40 14BR
7	G107 20BK/RD
8	K226 18DB/LG
9	L1 20VT/BK
10	F20 20VT/WT



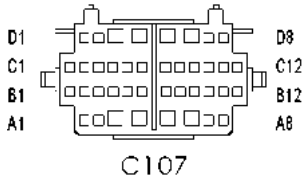
C104 (RHD) - BLACK (ENGINE SIDE)

CAV	CIRCUIT
1	A14 14RD/WT
2	C21 20DB/OR
3	A141 18DG/WT
4	F42 18DG/LG
5	T41 20BK/WT
6	T40 12BR
7	G107 20BK/RD
8	K226 20DB/LG
9	L1 20VT/BK
10	F20 20VT/WT



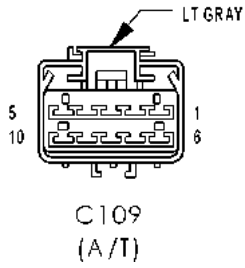
C107 - (BODY SIDE)

CAV	CIRCUIT
A1	V32 20YL/RD
A2	B41 20YL/VT (LHD)
A3	L3 14RD/OR
A4	L4 14VT/WT
A5	F3 14LB/OR
A6	F30 12RD/PK
A7	K125 18WT/DB (EXCEPT EXPORT)
A8	K4 20BK/LB
B1	V37 20RD/LG (EXCEPT RHD HARDTOP SUBWOOFER)
B1	V37 20RD/LB (RHD HARDTOP SUBWOOFER)
B2	L9 18BK/WT
B3	M1 20PK/WT
B4	K29 20WT/PK
B5	G107 20BK/RD
B6	L60 18TN
B7	A1 18RD
B8	L1 20VT/BK
B9	L61 18GY
B10	L7 18BK/YL
B11	L50 18WT/TN
B12	X3 20RD/YL
C1	V10 16BR
C2	F61 16WT/OR (LHD EXCEPT EXPORT)
C3	V30 20DB/RD
C4	K106 18WT/DG (EXCEPT EXPORT)
C5	K107 18OR (EXCEPT EXPORT)
C6	L22 20LG/DG (EXPORT)
C7	F20 20VT/WT
C8	F15 20DB
C9	F39 16PK/LG (EXCEPT POSTAL)
C10	F12 20RD/LG
C11	G9 20GY/BK (LHD)
C12	B43 20PK/OR (LHD)
D1	T141 18YL/RD
D2	B42 20TN/WT (LHD)
D3	A6 12RD/BK
D4	A3 12RD/WT
D5	C15 12BK/WT (HARD TOP)
D6	A2 14BK/PK
D7	D25 20VT/YL
D8	-



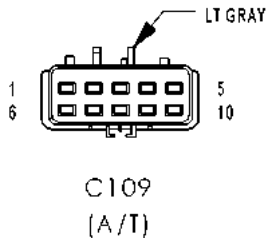
C107 - (DASH SIDE)

CAV	CIRCUIT
A1	V32 18YL/RD (SPEED CONTROL)
A2	B41 18YL/VT (ABS)
A3	L3 14RD/OR
A4	L4 14VT/WT
A5	F3 14LB/OR (DRL)
A6	F30 12RD/PK
A7	K125 18WT/DB
A8	K4 20 BK/LB
B1	V37 18RD/LB (SPEED CONTROL)
B2	L9 18BK/WT
B3	M1 20PK/WT
B3	M1 20PK/WT (ABS EXCEPT CANADA)
B4	K29 18WT/PK
B5	G107 20BK/RD
B6	L60 18TN
B7	A1 18RD
B8	L1 20VT/BK
B9	L61 18GY
B10	L7 18BK/YL
B11	L50 18WT/TN (ABS)
B12	X3 20RD/YL
C1	V10 16BR
C2	F61 16WT/OR (4.0L)
C3	V30 20DB/RD (SPEED CONTROL)
C4	K106 18WT/DG
C5	K107 18OR
C6	L22 20 LG/DG (EXCEPT CANADA)
C7	F20 20VT/WT
C8	F15 20DB
C9	F39 16PK/LG
C10	F12 20RD/LG
C11	G9 20GY/BK
C12	B43 18PK/OR (ABS)
D1	T141 18YL/RD
D2	B42 18TN/WT (ABS)
D3	A6 12RD/BK
D4	A3 12RD/WT
D5	C15 12BK/WT
D6	A2 14PK/BK
D7	D25 18VT/YL
D8	-



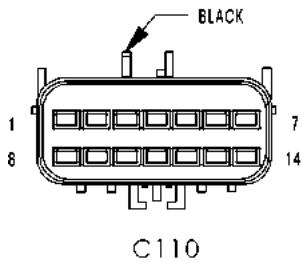
C109 (A/T) - LT GRAY (DASH SIDE)

CAV	CIRCUIT
1	A30 16RD/WT
2	K30 18PK
3	T16 16RD
4	D21 18PK
5	D20 18LG/PK
6	D25 18VT/YL
7	T56 18DG/LB
8	-
9	T10 18YL/DG
10	T6 18OR/WT



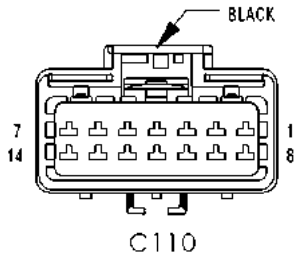
C109 (A/T) - LT GRAY (ENGINE SIDE)

CAV	CIRCUIT
1	A30 16RD/WT
2	K30 18PK
3	T16 14RD
4	D21 18PK
5	D20 18LG
6	D25 18VT/YL
7	T56 18DG/LB
8	-
9	T10 18YL/DG
10	T6 18OR/WT



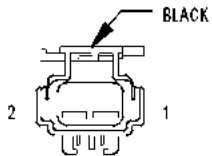
C110 - BLACK (DASH SIDE)

CAV	CIRCUIT
1	L7 18BK/YL
2	L60 18TN
3	L61 18GY
4	L3 14RD/OR
5	L4 14VT/WT
6	X2 18WT/RD
7	-
8	V10 16BR
9	L22 20LG/DG (HEADLAMP LEVELING)
10	G31 20VT/LG
11	G32 20BK/LB
12	-
13	L39 16LB (FRONT FOG LAMPS)
14	L13 20BR/YL (HEADLAMP LEVELING)



C110 - BLACK (HEADLAMP SIDE)

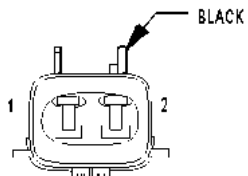
CAV	CIRCUIT
1	L7 18BK/YL
2	L60 18TN
3	L61 18GY
4	L3 14RD/OR
5	L4 14VT/WT
6	X2 18WT/RD
7	-
8	V10 16BR
9	L22 20LG/DG (EXPORT)
10	G31 20VT/LG
11	G32 20BK/LB
12	-
13	L39 16LB (FRONT FOG LAMPS)
14	L13 20BR/YL (EXPORT)



C115
(OFF-ROAD
PACKAGE)

C115 (OFF-ROAD PACKAGE) - BLACK (ENGINE SIDE)

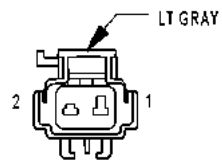
CAV	CIRCUIT
1	Z1 20BK
2	G300 20VT/WT



C115
(OFF-ROAD
PACKAGE)

C115 (OFF-ROAD PACKAGE) - BLACK (FRONT FEEDBACK OVERLAY SIDE)

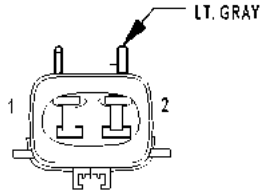
CAV	CIRCUIT
1	Z1 16BK
2	G300 16VT/WT



C116
(OFF-ROAD
PACKAGE)

C116 (OFF-ROAD PACKAGE) - LT GRAY (ENGINE SIDE)

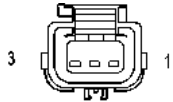
CAV	CIRCUIT
1	Z1 20BK
2	G301 20VT/LB



C116
(OFF-ROAD
PACKAGE)

C116 (OFF-ROAD PACKAGE) - LT GRAY (REAR
FEEDBACK OVERLAY SIDE)

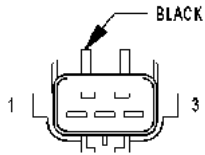
CAV	CIRCUIT
1	Z1 16BK
2	G301 16VT/LB



C120
(2.4L)

C120 (2.4L) - (DASH SIDE)

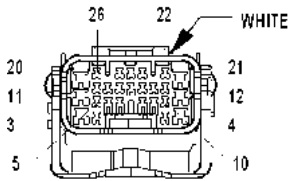
CAV	CIRCUIT
1	C23 12DG
2	Z213 12BK
3	C25 12YL



C120

C120 (2.4L) - BLACK (ELECTRIC FAN JUMPER)

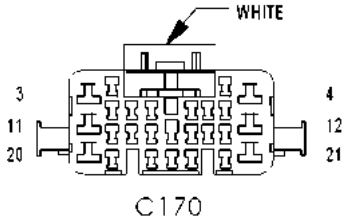
CAV	CIRCUIT
1	C25 12DG
2	Z213 12BK
3	C23 12DB



C170

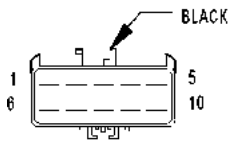
C170 - WHITE (DASH SIDE)

CAV	CIRCUIT
1	L13 20BR/YL (HEADLAMP LEVELING)
2	C81 20LB/WT
3	A111 12RD/LB
4	F60 16RD/WT
5	T56 18DG/LB (A/T)
6	C90 20LG (A/C)
7	T6 18OR/WT (A/T)
8	G31 20VT/LG
9	D32 18LG/WT
10	D21 18PK
11	F70 16PK/BK
12	G34 14RD/GY (CANADA)
12	L3 14RD/OR (EXCEPT CANADA)
13	G305 20VT/LG (OFF-ROAD PACKAGE)
14	Z12 20BK/TN
15	L3 14RD/OR
16	G300 20VT/WT (OFF-ROAD PACKAGE)
17	G301 20VT/LB (OFF-ROAD PACKAGE)
18	G32 20BK/LB
19	G19 20LG/OR (ABS)
20	L39 16LB
21	-
22	G99 20GY/WT
23	D20 18LG/PK (A/T)
24	G304 20VT/DB (OFF-ROAD PACKAGE)



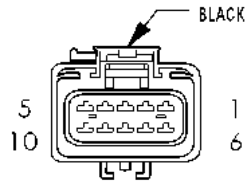
C170 - WHITE (I/P SIDE)

CAV	CIRCUIT
1	L13 20BR/YL (EXPORT)
2	C81 20LB/WT (HARD TOP)
3	A111 12RD/LB
4	F60 16RD/WT
5	T56 18DG/LB
6	C90 20LG
7	T6 18OR/WT
8	G31 20VT/LG
9	D32 20LG/WT
10	D21 20PK
11	F70 16PK/BK
12	G34 16RD/GY (EXCEPT RHD EXPORT)
12	L3 16RD/OR (RHD EXPORT)
13	G305 20VT/LG (OFF-ROAD PACKAGE)
14	Z12 20BK/TN
15	G34 16RD/GY
16	G300 20VT/WT (OFF-ROAD PACKAGE)
17	G301 20VT/LB (OFF-ROAD PACKAGE)
18	G32 20BK/LB
19	G19 20LG/OR (ABS)
20	Z12 20BK/TN
21	L39 16LB (EXCEPT EXPORT)
22	G99 20GY/WT
23	D20 20LG/PK
24	G304 20VT/DB (OFF-ROAD PACKAGE)



C181 (2.4L) - BLACK (ENGINE INTAKE SIDE)

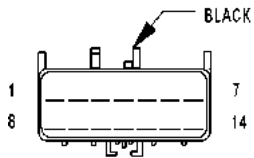
CAV	CIRCUIT
1	F142 18OR/DG
2	C3 18DB/BK
3	Z246 18BK/GR
4	K11 18WT/DB
5	K12 18TN
6	K13 18YL/WT
7	K14 18LB/BR
8	K44 18TN/YL
9	K4 18BK/LB
10	-



C181
(2.4L)

C181 (2.4L) - BLACK (ENGINE SIDE)

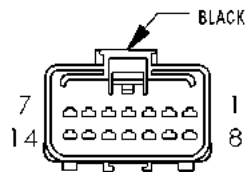
CAV	CIRCUIT
1	F42 18DG/LG
2	C3 20DB/BK
3	Z1 20BK
4	K11 18WT/DB
5	K12 18TN
6	K13 18YL/WT
7	K14 18LB/BR
8	K44 18TN/YL
9	K4 18TN/YL
10	-



C182
(2.4L)

C182 (2.4L) - BLACK (ENGINE INTAKE SIDE)

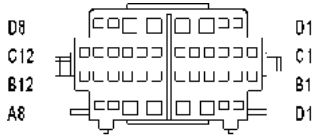
CAV	CIRCUIT
1	K59 18VT/BK
2	K40 18BR/WT
3	K60 18YL/BK
4	K39 18GY/RD
5	K21 18BK/RD
6	K2 18TN/BK
7	K1 18DG/RD
8	K22 18OR/DB
9	-
10	G60 18GY/YL
11	K24 18GY/BK
12	K7 18OR
13	-
14	-



C182
(2.4L)

C182 (2.4L) - BLACK (ENGINE SIDE)

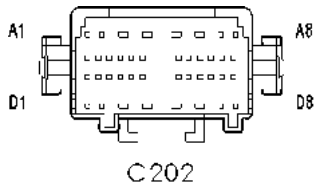
CAV	CIRCUIT
1	K59 18VT/BK
2	K40 18BR/WT
3	K60 18/YL/BK
4	K39 18GY/RD
5	K21 18BK/RD
6	K2 18TN/BK
7	K1 18DG/RD
8	K22 18OR/DB
9	K6 18VT/WT
10	G60 18GY/YL
11	K24 18GY/BK
12	K7 18OR
13	-
14	-



C202

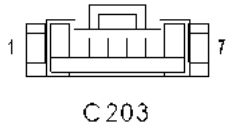
C202 - (BODY SIDE)

CAV	CIRCUIT
A1	-
A2	G75 20TN
A3	X55 18BR/RD (SUBWOOFER)
A4	X53 18DG (SUBWOOFER)
A5	L7 18BK/YL
A5	L7 18BK/YL
A6	L61 18GY
A6	L61 18GY
A7	L1 20VT/BK
A8	F38 16LB/WT
B1	F14 18LG/YL (RHD)
B2	G5 20DB/WT
B3	X52 18GY/DB
B4	X58 18DB/PK
B5	L60 18TN
B6	-
B7	G26 20LB
B8	R166 18LG/BR (PAD)
B9	V20 18VT/OR (HARD TOP)
B10	G107 20BK/RD
B11	F81 20DB/RD (HARD TOP)
B12	L38 18BR/WT (EXPORT)
C1	X12 20PK
C2	X16 20LG (SUBWOOFER)
C3	V13 18BR/LG (HARD TOP)
C4	G10 20LG/RD (EXCEPT LHD EXPORT)
C5	M2 20YL
C6	V23 18BR/PK (HARD TOP)
C7	E19 20RD
C8	-
C9	R66 18YL/LG (PAD)
C10	X51 18BR/YL
C11	X57 18BR/LB
C12	D25 20VT/YL
D1	L22 20LG/DG (EXPORT)
D2	G76 20TN/YL
D3	M1 20PK/WT
D3	M1 20PK/WT
D4	F24 20RD/DG
D5	X54 18VT (SUBWOOFER)
D6	X56 18DB (SUBWOOFER)
D7	E2 20OR
D8	R65 18LG/OR (PAD)



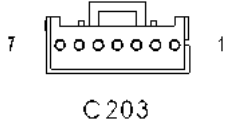
C202 - (I/P SIDE)

CAV	CIRCUIT
A1	-
A2	G75 20TN
A3	X55 18BR/RD (EXCEPT POSTAL)
A3	X55 18BR/RD (EXCEPT POSTAL)
A4	X53 18DG (EXCEPT POSTAL)
A4	X53 18DG (EXCEPT POSTAL)
A5	L7 18BK/YL
A6	L61 18GY
A7	L1 20VT/BK (EXCEPT POSTAL)
A8	F38 16LB/WT
B1	F14 18LG/YL (PAD)
B2	G5 20DB/WT
B3	X52 18DB/WT
B4	X58 18DB/PK
B5	L60 18TN
B6	-
B7	G26 20LB
B8	R166 18LG/BR (PAD)
B9	V20 18VT/OR (HARD TOP)
B10	G107 20BK/RD (4X4)
B11	F81 20DB/RD (HARD TOP)
B12	L38 16BR/WT (EXPORT)
C1	X12 20PK
C2	X16 20LG
C3	V13 18BR/LG (HARD TOP)
C4	G10 20LG/RD
C5	M2 20YL
C6	V23 18BR/PK (HARD TOP)
C7	E19 20RD
C8	-
C9	R66 18YL/DG (PAD)
C10	X51 18BR/YL
C11	X57 18BR/LB
C12	D25 20VT/YL
D1	L22 20LG/DG (EXPORT)
D2	G76 20TN/YL
D3	M1 20PK/WT
D4	F24 20RD/DG
D4	F24 20RD/DG
D5	X54 18VT (EXCEPT POSTAL)
D5	X54 18VT (EXCEPT POSTAL)
D6	X56 18DB (EXCEPT POSTAL)
D6	X56 18DB (EXCEPT POSTAL)
D7	E2 20OR
D8	R65 18LG/OR (PAD)



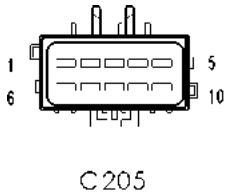
C203 - (I/P SIDE)

CAV	CIRCUIT
1	G5 20DB/WT
2	Z10 20BK
3	L1 20VT/BK
4	G31 20VT/LG
5	G32 20BK/LB
6	M2 20YL
7	M1 20PK/WT



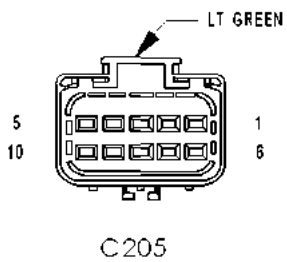
C203 - (MIRROR SIDE)

CAV	CIRCUIT
1	G5 20DB/WT
2	Z2 20BK/LG
3	L1 20VT/BK
4	G31 20VT/LG
5	G32 20BK/LB
6	M2 20YL
7	M1 20PK/WT



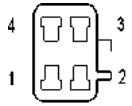
C205 - (HVAC SIDE)

CAV	CIRCUIT
1	Z11 20DB/WT
2	C4 14TN
3	C5 14LG
4	C6 14LB
5	F24 20OR
6	C36 20YL
7	C7 12BK/TN
8	A111 12RD/LG
9	F24 20DB/WT
10	Z1 20BK



C205 - LT GREEN (I/P SIDE)

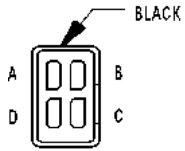
CAV	CIRCUIT
1	Z11 20BK/WT
2	C4 18TN
3	C5 16LG/LB
4	C6 14LB
5	F24 20RD/DG
5	F24 20RD/DG
6	C36 20DB/RD
7	C7 12BR/TN
8	A111 12RD/LB
9	F24 20RD/DG
10	Z1 20BK



C324

C324 - (BODY SIDE)

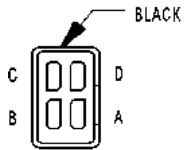
CAV	CIRCUIT
1	M1 20PK/WT
2	M2 20YL
3	X58 18DB/PK
4	X52 18GY/DB



C324

C324 - BLACK (SPEAKER POD JUMPER)

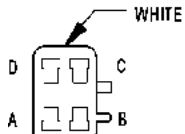
CAV	CIRCUIT
A	M1 20PK/WT
B	M2 20YL
C	X58 18DB/PK
D	X52 18GY/DB



C325

C325 - BLACK (SPEAKER POD JUMPER)

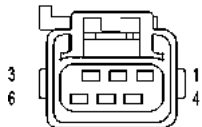
CAV	CIRCUIT
A	M1 20PK/WT
B	M2 20YL
C	X57 18BR/LB
D	X51 18BR/YL



C325

C325 - WHITE (BODY SIDE)

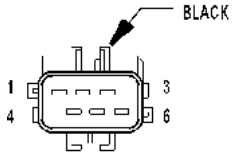
CAV	CIRCUIT
A	M1 20PK/WT
B	M2 20YL
C	X57 18BR/LB
D	X51 18BR/YL



C326
(HARDTOP)

C326 (HARD TOP) - (BODY SIDE)

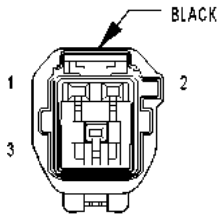
CAV	CIRCUIT
1	C15 12BK/WT
2	-
3	V13 18BR/LG
4	V23 18BR/PK
5	V23 18BR/PK
6	Z1 12BK



C326
(HARD TOP)

C326 (HARD TOP) - BLACK (HARD TOP SIDE)

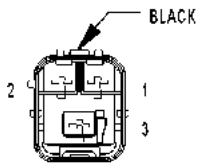
CAV	CIRCUIT
1	C15 12BK/WT
2	-
3	V13 18BR/LG
4	V23 18BR/PK
5	V23 18BR/PK
6	Z1 12BK



C329
(EXPORT)

C329 (EXPORT) - BLACK (BODY SIDE)

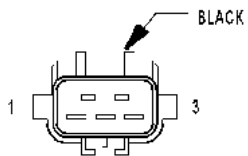
CAV	CIRCUIT
1	L38 18BR/WT
2	L7 18BK/YL
3	Z1 20BK



C329
(EXPORT)

C329 (EXPORT) - BLACK (BUMPER SIDE)

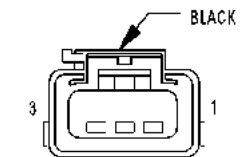
CAV	CIRCUIT
1	L38 18BR/WT
2	L7 18BK/YL
3	Z1 20BK



C380

C380 - BLACK (LEAK DETECTION PUMP)

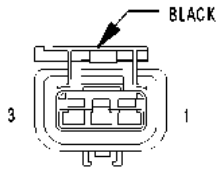
CAV	CIRCUIT
1	K107 18OR
2	K106 18WT/DG
3	K125 18WT/DB



C380
(EXCEPT EXPORT)

C380 (EXCEPT EXPORT) - BLACK (BODY SIDE)

CAV	CIRCUIT
1	K107 18OR
2	K106 18WT/DG
3	K125 18WT/DB



CAMSHAFT POSITION SENSOR (2.4L)

CAMSHAFT POSITION SENSOR (2.4L) - BLACK 3 WAY

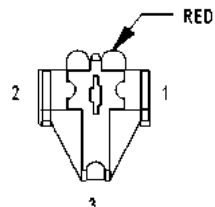
CAV	CIRCUIT	FUNCTION
1	K7 18OR	5 VOLT SUPPLY
2	K4 18BK/LB	SENSOR GROUND 1
3	K44 18TN/YL	CMP SIGNAL



CAMSHAFT POSITION SENSOR (4.0L)

CAMSHAFT POSITION SENSOR (4.0L) - 3 WAY

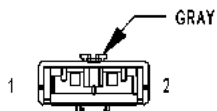
CAV	CIRCUIT	FUNCTION
1	K44 18TN/YL	CMP SIGNAL
2	K4 20BK/LB	SENSOR GROUND 1
3	K7 20OR	5V SUPPLY



CIGAR LIGHTER/ POWER OUTLET

CIGAR LIGHTER/POWER OUTLET - RED 3 WAY

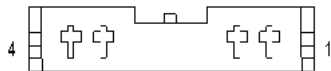
CAV	CIRCUIT	FUNCTION
1	F38 16LB/WT	FUSED CIGAR LIGHTER/ACCESSORY RELAY OUTPUT
2	-	-
3	Z1 16BK/WT	GROUND



CIRCUIT BREAKER

CIRCUIT BREAKER - GRAY 2 WAY

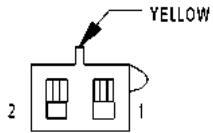
CAV	CIRCUIT	FUNCTION
1	A3 12RD/WT	HEADLAMP SWITCH RELAY FEED
2	F3 14LB/OR	DAYTIME RUNNING LAMP MODULE



CLOCKSPRING C1

CLOCKSPRING C1 - 4 WAY

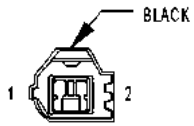
CAV	CIRCUIT	FUNCTION
1	X3 20RD/YL	HORN RELAY CONTROL
2	V37 20RD/LG (EXCEPT RHD HARDTOP SUBWOOFER)	SPEED CONTROL SWITCH SIGNAL
2	V37 20RD/LB (RHD HARDTOP SUB-WOOFER)	SPEED CONTROL SWITCH SIGNAL
3	K4 20BK/LB	SENSOR GROUND 1
4	-	-



CLOCKSPRING C2

CLOCKSPRING C2 - YELLOW 2 WAY

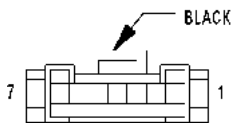
CAV	CIRCUIT	FUNCTION
1	R45 18DG/LB	DRIVER SQUIB 1 LINE 2
2	R43 18BK/LB	DRIVER SQUIB 1 LINE 1



CLUTCH PEDAL POSITION SWITCH (M/T)

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

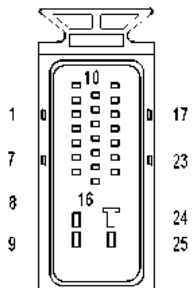
CAV	CIRCUIT	FUNCTION
1	T141 18YL/RD	FUSED IGNITION SWITCH OUTPUT (START)
2	A41 18YL	FUSED IGNITION SWITCH OUTPUT (START)



COMPASS/TEMPERATURE MIRROR

COMPASS/TEMPERATURE MIRROR - BLACK 7 WAY

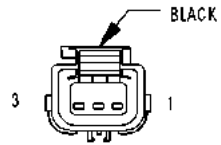
CAV	CIRCUIT	FUNCTION
1	G5 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	Z2 20BK/LG	GROUND
3	L1 20VT/BK	BACK-UP LAMP FEED
4	G31 20VT/LG	AMBIENT TEMPERATURE SENSOR SIGNAL
5	G32 20BK/LB	SENSOR GROUND
6	M2 20YL	COURTESY LAMPS DRIVER
7	M1 20PK/WT	FUSED B(+)



CONTROLLER ANTILOCK BRAKE

CONTROLLER ANTILOCK BRAKE - 25 WAY

CAV	CIRCUIT	FUNCTION
1	B1 18YL/DB	RIGHT REAR WHEEL SPEED SENSOR (-)
2	B3 18LG/DB	LEFT REAR WHEEL SPEED SENSOR (-)
3	B7 18WT	RIGHT FRONT WHEEL SPEED SENSOR (+)
4	B9 18RD	LEFT FRONT WHEEL SPEED SENSOR (+)
5	-	-
6	B41 18YL/VT	G-SWITCH NO. 1 SENSE
7	B42 18TN/WT	G-SWITCH NO. 2 SENSE
8	Z22 12BK/PK	GROUND
9	A20 12RD/DB	FUSED B(+)
10	B4 18LG	LEFT REAR WHEEL SPEED SENSOR (+)
11	B8 18RD/DB	LEFT FRONT WHEEL SPEED SENSOR (-)
12	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
13	B43 18PK/OR	G-SWITCH TEST SIGNAL
14	-	-
15	-	-
16	G83 18GY/BK	ABS RELAY CONTROL
17	B2 18YL	RIGHT REAR WHEEL SPEED SENSOR (+)
18	B6 18WT/DB	RIGHT FRONT WHEEL SPEED SENSOR (-)
19	-	-
20	D21 18PK	SCI TRANSMIT
21	-	-
22	-	-
23	F20 18VT/WT	FUSED IGNITION SWITCH OUTPUT (RUN)
24	Z22 12BK/PK	GROUND
25	A10 12RD/DG	FUSED B(+)



CRANKSHAFT POSITION SENSOR (2.4L/4.0L A/T)

CRANKSHAFT POSITION SENSOR (2.4L/4.0L A/T) - BLACK 3 WAY

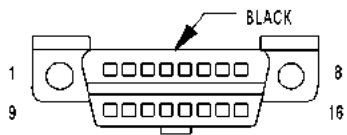
CAV	CIRCUIT	FUNCTION
1	K24 18GY/BK (2.4L)	CRANKSHAFT POSITION SENSOR SIGNAL
1	K7 200R (4.0L)	5V SUPPLY
2	K4 18BK/LB (2.4L)	SENSOR GROUND 1
2	K4 20BK/LB (4.0L)	SENSOR GROUND 1
3	K7 180R (2.4L)	5V SUPPLY
3	K24 18GY/BK (4.0L)	CRANKSHAFT POSITION SENSOR SIGNAL



CRANKSHAFT POSITION SENSOR (4.0L M/T)

CRANKSHAFT POSITION SENSOR (4.0L M/T) - 3 WAY

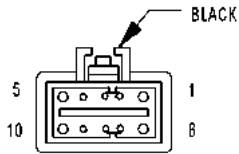
CAV	CIRCUIT	FUNCTION
1	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
2	K4 20BK/LB	SENSOR GROUND 1
3	K7 200R	5 VOLT SUPPLY



DATA LINK CONNECTOR

DATA LINK CONNECTOR - BLACK 16 WAY

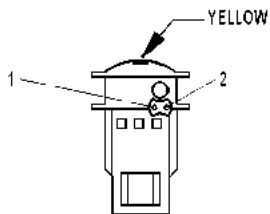
CAV	CIRCUIT	FUNCTION
1	-	-
2	D25 20VT/YL	PCI BUS
3	-	-
4	Z2 20BK/LG	GROUND
5	Z12 20BK/TN	GROUND
6	D32 20LG/WT	SCI RECEIVE
7	D21 20PK	SCI TRANSMIT
8	-	-
9	D23 20WT/BR	FLASH PROGRAM ENABLE
10	-	-
11	-	-
12	-	-
13	-	-
14	D20 20LG/PK	SCI RECEIVE
15	-	-
16	M1 20PK/WT	FUSED B(+)



DAYTIME RUNNING LAMP MODULE (EXCEPT EXPORT)

DAYTIME RUNNING LAMP MODULE (EXCEPT EXPORT) - BLACK 10 WAY

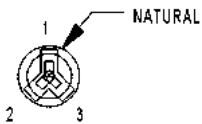
CAV	CIRCUIT	FUNCTION
1	L3 14RD/OR	HIGH BEAM INDICATOR DRIVER
2	-	-
3	-	-
4	G34 14RD/GY	HIGH BEAM INDICATOR DRIVER
5	F12 20RD/LG	FUSED IGNITION SWITCH OUTPUT (RUN-START)
6	F3 14LB/OR	FUSED B(+)
7	G7 20WT/OR	VEHICLE SPEED SENSOR SIGNAL
8	Z1 18BK	GROUND
9	-	-
10	L4 14VT/WT	DIMMER SWITCH LOW BEAM OUTPUT



DRIVER AIRBAG SQUIB 1

DRIVER AIRBAG SQUIB 1 - YELLOW 2 WAY

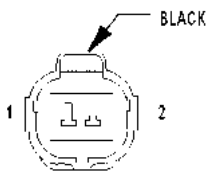
CAV	CIRCUIT	FUNCTION
1	R45 18DG/LB	DRIVER SQUIB 1 LINE 2
2	R43 18BK/LB	DRIVER SQUIB 1 LINE 1



DRIVER DOOR AJAR SWITCH

DRIVER DOOR AJAR SWITCH - NATURAL 3 WAY

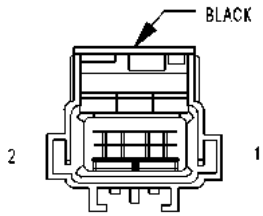
CAV	CIRCUIT	FUNCTION
1	M23 20YL/BK	DOOR AJAR SWITCH OUTPUT
2	-	-
3	G75 20TN	DRIVER DOOR AJAR SWITCH SENSE



ENGINE COOLANT TEMPERATURE SENSOR

ENGINE COOLANT TEMPERATURE SENSOR - BLACK 2 WAY

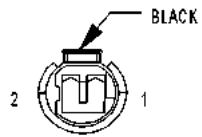
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB (2.4L)	SENSOR GROUND 1
1	K4 20BK/LB (4.0L)	SENSOR GROUND 1
2	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL



ENGINE OIL PRESSURE SWITCH

ENGINE OIL PRESSURE SWITCH - BLACK 2 WAY

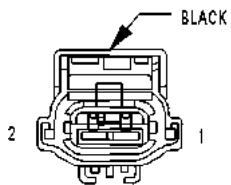
CAV	CIRCUIT	FUNCTION
1	G60 18GY/YL	OIL PRESSURE SIGNAL
2	-	-



EVAP/PURGE SOLENOID

EVAP/PURGE SOLENOID - BLACK 2 WAY

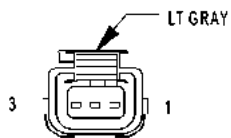
CAV	CIRCUIT	FUNCTION
1	K52 18PK/BK	EVAP/PURGE SOLENOID CONTROL
2	F12 20RD/LG	FUSED IGNITION SWITCH OUTPUT (RUN-START)



FRONT LOCKER INDICATOR SWITCH (OFF-ROAD PACKAGE)

FRONT LOCKER INDICATOR SWITCH (OFF-ROAD PACKAGE) - BLACK 2 WAY

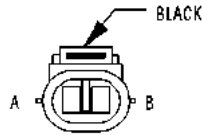
CAV	CIRCUIT	FUNCTION
1	Z1 16BK	GROUND
2	G300 16VT/WT	FRONT LOCKER INDICATOR SWITCH SENSE



FRONT LOCKER PUMP (OFF-ROAD PACKAGE)

FRONT LOCKER PUMP (OFF-ROAD PACKAGE) - LT GRAY 3 WAY

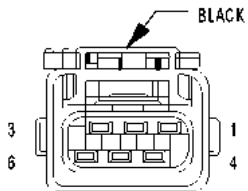
CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	-	-
3	A750 18TN/RD	FRONT LOCKER RELAY OUTPUT



FRONT
WASHER PUMP

FRONT WASHER PUMP - BLACK 2 WAY

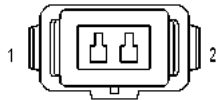
CAV	CIRCUIT	FUNCTION
A	V10 16BR	WASHER PUMP CONTROL SWITCH OUTPUT
B	Z1 18BK	GROUND



FRONT
WIPER MOTOR

FRONT WIPER MOTOR - BLACK 6 WAY

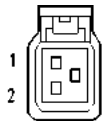
CAV	CIRCUIT	FUNCTION
1	V6 16PK/BK	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
2	V5 16DG/YL	WIPER PARK SWITCH SENSE
3	-	-
4	Z1 18BK	GROUND
5	V3 16BR/WT	LOW SPEED WIPER SWITCH OUTPUT
6	V4 16RD/YL	WIPER SWITCH HIGH SPEED OUTPUT



FUEL INJECTOR NO. 1
(2.4L)

FUEL INJECTOR NO. 1 (2.4L) - 2 WAY

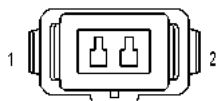
CAV	CIRCUIT	FUNCTION
1	F142 18OR/DG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER



FUEL INJECTOR NO. 1
(4.0L)

FUEL INJECTOR NO. 1 (4.0L) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	F42 18DG/LG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER



FUEL INJECTOR NO. 2
(2.4L)

FUEL INJECTOR NO. 2 (2.4L) - 2 WAY

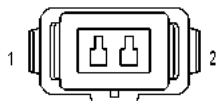
CAV	CIRCUIT	FUNCTION
1	F142 18OR/DG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K12 18TN	FUEL INJECTOR NO. 2 DRIVER



FUEL INJECTOR NO. 2
(4.0L)

FUEL INJECTOR NO. 2 (4.0L) - 2 WAY

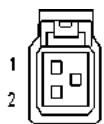
CAV	CIRCUIT	FUNCTION
1	F42 18DG/LG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K12 18TN	FUEL INJECTOR NO. 2 DRIVER



FUEL INJECTOR NO. 3
(2.4L)

FUEL INJECTOR NO. 3 (2.4L) - 2 WAY

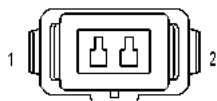
CAV	CIRCUIT	FUNCTION
1	F142 18OR/DG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER



FUEL INJECTOR NO. 3
(4.0L)

FUEL INJECTOR NO. 3 (4.0L) - 2 WAY

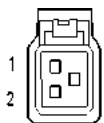
CAV	CIRCUIT	FUNCTION
1	F42 18DG/LG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER



FUEL INJECTOR NO. 4
(2.4L)

FUEL INJECTOR NO. 4 (2.4L) - 2 WAY

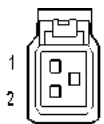
CAV	CIRCUIT	FUNCTION
1	F142 18OR/DG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K14 18LB/BR	FUEL INJECTOR NO. 4 DRIVER



FUEL INJECTOR NO. 4
(4.0L)

FUEL INJECTOR NO. 4 (4.0L) - 2 WAY

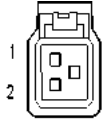
CAV	CIRCUIT	FUNCTION
1	F42 18DG/LG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K14 18LB/BR	FUEL INJECTOR NO. 4 DRIVER



FUEL INJECTOR NO. 5
(4.0L)

FUEL INJECTOR NO. 5 (4.0L) - 2 WAY

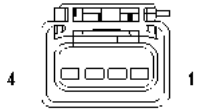
CAV	CIRCUIT	FUNCTION
1	F42 18DG/LG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K38 18GY	FUEL INJECTOR NO. 5 DRIVER



FUEL INJECTOR NO. 6
(4.0L)

FUEL INJECTOR NO. 6 (4.0L) - 2 WAY

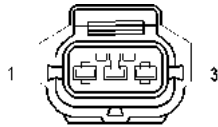
CAV	CIRCUIT	FUNCTION
1	F42 18DG/LG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K58 18BR/DB	FUEL INJECTOR NO. 6 DRIVER



FUEL
PUMP
MODULE

FUEL PUMP MODULE - 4 WAY

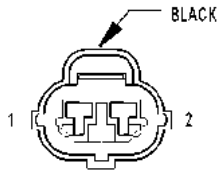
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	FUEL PUMP RELAY OUTPUT
2	K226 20DB/LG	FUEL LEVEL SENSOR SIGNAL
3	K4 20BK/LB	SENSOR GROUND 1
4	Z1 18BK	GROUND



G-SWITCH
(LHD)

G-SWITCH (LHD) - 3 WAY

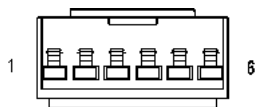
CAV	CIRCUIT	FUNCTION
1	B42 20TN/WT	G-SWITCH NO. 2 SENSE
2	B41 20YL/VT	G-SWITCH NO. 1 SENSE
3	B43 20PK/OR	G-SWITCH TEST SIGNAL



GENERATOR

GENERATOR - BLACK 2 WAY

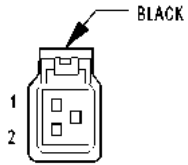
CAV	CIRCUIT	FUNCTION
1	K125 18WT/DB	GENERATOR SOURCE
2	K20 18DG	GENERATOR FIELD



HEADLAMP
LEVELING
SWITCH
(EXPORT)

HEADLAMP LEVELING SWITCH (EXPORT) - 6 WAY

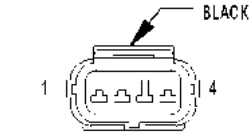
CAV	CIRCUIT	FUNCTION
1	-	-
2	L22 20LG/DG	FUSED HEADLAMP SWITCH OUTPUT
3	-	-
4	Z1 20BK	GROUND
5	L13 20BR/YL	HEADLAMP ADJUST SIGNAL
6	-	-



HORN

HORN - BLACK 2 WAY

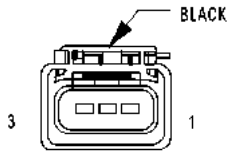
CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	X2 18WT/RD	HORN RELAY OUTPUT



IDLE AIR CONTROL MOTOR

IDLE AIR CONTROL MOTOR - BLACK 4 WAY

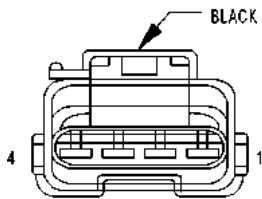
CAV	CIRCUIT	FUNCTION
1	K59 18VT/BK	IDLE AIR CONTROL NO. 4 DRIVER
2	K40 18BR/WT	IDLE AIR CONTROL NO. 3 DRIVER
3	K60 18YL/BK	IDLE AIR CONTROL NO. 2 DRIVER
4	K39 18GY/RD	IDLE AIR CONTROL NO. 1 DRIVER



IGNITION COIL PACK (2.4L)

IGNITION COIL PACK (2.4L) - BLACK 3 WAY

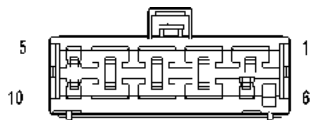
CAV	CIRCUIT	FUNCTION
1	K17 18DB/TN	IGNITION COIL NO. 2 DRIVER
2	F42 18DG/LG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
3	K19 18GY	IGNITION COIL NO. 1 DRIVER



IGNITION COIL PACK (4.0L)

IGNITION COIL PACK (4.0L) - BLACK 4 WAY

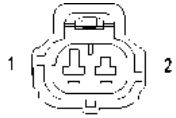
CAV	CIRCUIT	FUNCTION
1	K19 18BK/GY	IGNITION COIL NO. 1 DRIVER
2	F42 18DG/LG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
3	K17 18DB/TN	IGNITION COIL NO. 2 DRIVER
4	K18 18RD/YL	IGNITION COIL NO. 3 DRIVER



IGNITION SWITCH

IGNITION SWITCH - 10 WAY

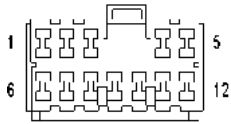
CAV	CIRCUIT	FUNCTION
1	A1 18RD	FUSED B(+)
2	A21 18DB	IGNITION SWITCH OUTPUT (RUN-START)
3	F22 12WT/PK	IGNITION SWITCH OUTPUT (RUN-ACC)
4	F30 12RD/PK	FUSED B(+)
5	G26 20LB	KEY-IN IGNITION SWITCH SENSE
6	A41 18YL	IGNITION SWITCH OUTPUT (START)
7	A31 18BK/DG	IGNITION SWITCH OUTPUT (RUN-ACC)
8	A22 14BK/OR	IGNITION SWITCH OUTPUT (RUN)
9	A2 14PK/BK	FUSED B(+)
10	Z1 16BK	GROUND



INPUT
SPEED
SENSOR

INPUT SPEED SENSOR - 2 WAY

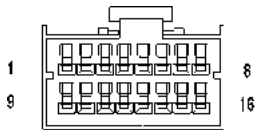
CAV	CIRCUIT	FUNCTION
1	T52 18RD/BK	INPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



INSTRUMENT
CLUSTER C1

INSTRUMENT CLUSTER C1 - 12 WAY

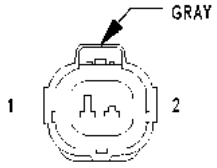
CAV	CIRCUIT	FUNCTION
1	L61 18GY	LEFT TURN SIGNAL
2	L60 18TN	RIGHT TURN SIGNAL
3	G34 16RD/GY (LHD)	HIGH BEAM INDICATOR DRIVER
3	L3 16RD/OR (RHD)	HIGH BEAM INDICATOR DRIVER
4	L39 16LB (EXCEPT EXPORT)	FOG LAMP FEED
4	L38 16BR/WT (EXPORT)	REAR FOG LAMP FEED
5	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
6	G305 20VT/LG (OFF-ROAD PACKAGE)	REAR LOCKER REQUEST
7	G301 20VT/LB (OFF-ROAD PACKAGE)	REAR LOCKER INDICATOR SWITCH SENSE
8	Z2 18BK/LG	GROUND
9	G303 20VT/DG (OFF-ROAD PACKAGE)	LOCKER ENABLE SIGNAL 2
10	D23 20WT/BR	-
11	G5 20DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
12	M1 20PK/WT	FUSED B(+)



INSTRUMENT
CLUSTER C2

INSTRUMENT CLUSTER C2 - 16 WAY

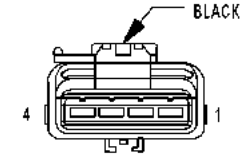
CAV	CIRCUIT	FUNCTION
1	C80 20DB/WT (HARD TOP)	REAR WINDOW DEFOGGER SWITCH SENSE
2	G10 20LG/RD	SEAT BELT SWITCH SENSE
3	G76 20TN/YL	PASSENGER DOOR AJAR SWITCH SENSE
4	G75 20TN	DRIVER DOOR AJAR SWITCH SENSE
5	M2 20YL	COURTESY LAMP FEED
6	E2 20OR	PANEL LAMPS FEED
7	C81 20LB/WT (HARD TOP)	REAR WINDOW DEFOGGER RELAY CONTROL
8	G19 20LG/OR (ABS)	ABS WARNING INDICATOR DRIVER
9	G99 20GY/WT	BRAKE WARNING INDICATOR DRIVER
10	G304 20VT/DB (OFF-ROAD PACKAGE)	FRONT LOCKER REQUEST
11	G107 20BK/RD (4X4)	4WD INDICATOR
12	D25 20VT/YL	PCI BUS
13	G26 20LB	KEY-IN IGNITION SWITCH SENSE
14	G302 20RD/WT (OFF-ROAD PACKAGE)	LOCKER ENABLE SIGNAL 1
15	E19 20RD	PANEL LAMPS DIMMER SIGNAL
16	G300 20VT/WT (OFF-ROAD PACKAGE)	FRONT LOCKER INDICATOR SWITCH SENSE



INTAKE AIR TEMPERATURE SENSOR

INTAKE AIR TEMPERATURE SENSOR - GRAY 2 WAY

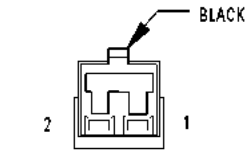
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB (2.4L)	SENSOR GROUND 1
1	K4 20BK/LB (4.0L)	SENSOR GROUND 1
2	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL



LEAK DETECTION PUMP

LEAK DETECTION PUMP - BLACK 4 WAY

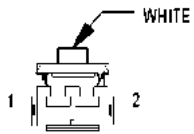
CAV	CIRCUIT	FUNCTION
1	-	-
2	K125 18WT/DB	GENERATOR SOURCE
3	K106 18WT/DG	LEAK DETECTION PUMP SOLENOID CONTROL
4	K107 18OR	LEAK DETECTION PUMP SWITCH SENSE



LEFT COURTESY LAMP

LEFT COURTESY LAMP - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	M1 20PK/WT	FUSED B(+)
2	M2 20YL	COURTESY LAMPS DRIVER



LEFT DOME LAMP

LEFT DOME LAMP - WHITE 2 WAY

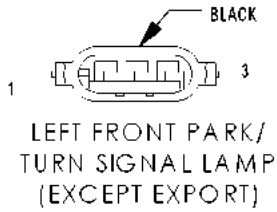
CAV	CIRCUIT	FUNCTION
1	M1 20PK/WT	FUSED B(+)
2	M2 20YL	COURTESY LAMPS DRIVER



LEFT FOG LAMP (EXCEPT EXPORT)

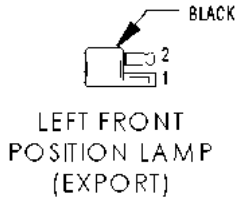
LEFT FOG LAMP (EXCEPT EXPORT) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	L39 16LB	FOG LAMP RELAY NO. 1 OUTPUT



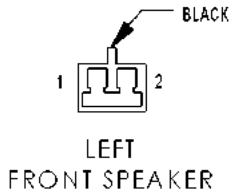
LEFT FRONT PARK/ TURN SIGNAL LAMP (EXCEPT EXPORT) - BLACK 3 WAY

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



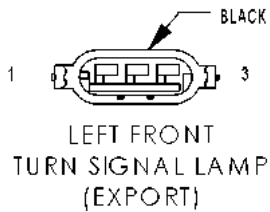
LEFT FRONT POSITION LAMP (EXPORT) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	FUSED PARK LAMP RELAY OUTPUT
2	Z1 20BK	GROUND



LEFT FRONT SPEAKER - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	X53 18DG	LEFT FRONT SPEAKER (+)
2	X55 18BR/RD	LEFT FRONT SPEAKER (-)



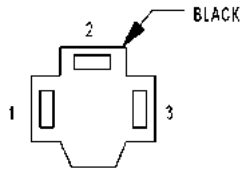
LEFT FRONT TURN SIGNAL LAMP (EXPORT) - BLACK 3 WAY

CAV	CIRCUIT	FUNCTION
1	L61 18GY	LEFT TURN SIGNAL
2	-	-
3	Z1 18BK	GROUND



LEFT FRONT WHEEL SPEED SENSOR - 2 WAY

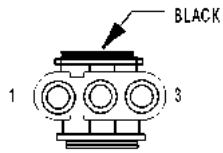
CAV	CIRCUIT	FUNCTION
1	B8 18RD/DB	LEFT FRONT WHEEL SPEED SENSOR (-)
2	B9 18RD	LEFT FRONT WHEEL SPEED SENSOR (+)



LEFT HEADLAMP

LEFT HEADLAMP - BLACK 3 WAY

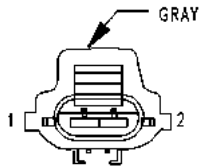
CAV	CIRCUIT	FUNCTION
1	L3 14RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
1	L3 14RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
2	L4 14VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
2	L4 14VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
3	Z1 20BK	GROUND



LEFT HEADLAMP LEVELING MOTOR (EXPORT)

LEFT HEADLAMP LEVELING MOTOR (EXPORT) - BLACK 3 WAY

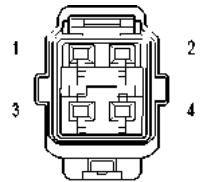
CAV	CIRCUIT	FUNCTION
1	L22 20LG/DG	FUSED HEADLAMP SWITCH OUTPUT
2	L13 20BR/YL	HEADLAMP ADJUST SIGNAL
3	Z1 20BK	GROUND



LEFT LICENSE LAMP (EXPORT)

LEFT LICENSE LAMP (EXPORT) - GRAY 2 WAY

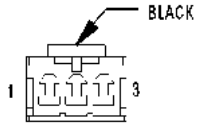
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	FUSED PARK LAMP RELAY OUTPUT
2	Z1 20BK	GROUND



LEFT REAR LAMP ASSEMBLY

LEFT REAR LAMP ASSEMBLY - 4 WAY

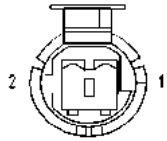
CAV	CIRCUIT	FUNCTION
1	L1 20VT/BK (EXCEPT EXPORT)	BACK-UP LAMP FEED
1	L63 18DG/RD (EXPORT)	LEFT TURN/STOP SIGNAL
2	L63 18DG/RD (EXCEPT EXPORT)	LEFT TURN/STOP SIGNAL
2	L1 20VT/BK (EXPORT)	BACK-UP LAMP FEED
3	L7 18BK/YL (EXCEPT EXPORT)	FUSED PARK LAMP RELAY OUTPUT
3	L50 18WT/TN (EXPORT)	BRAKE LAMP SWITCH OUTPUT
4	L7 18BK/YL (EXPORT)	FUSED PARK LAMP RELAY OUTPUT



LEFT REAR SPEAKER

LEFT REAR SPEAKER - BLACK 3 WAY

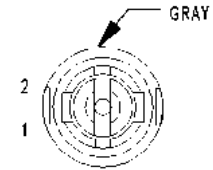
CAV	CIRCUIT	FUNCTION
1	X57 20BR/LB	LEFT REAR SPEAKER (-)
2	-	-
3	X51 18BR/YL	LEFT REAR SPEAKER (+)



LEFT REAR WHEEL SPEED SENSOR

LEFT REAR WHEEL SPEED SENSOR - 2 WAY

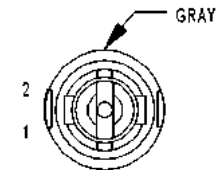
CAV	CIRCUIT	FUNCTION
1	B3 18LG/DB	LEFT REAR WHEEL SPEED SENSOR (-)
2	B4 18LG	LEFT REAR WHEEL SPEED SENSOR (+)



LEFT SIDE MARKER LAMP (EXCEPT EXPORT)

LEFT SIDE MARKER LAMP (EXCEPT EXPORT) - GRAY 2 WAY

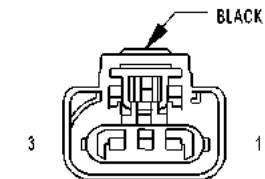
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	FUSED PARK LAMP RELAY OUTPUT
2	L61 18GY	LEFT TURN SIGNAL



LEFT SIDE REPEATER LAMP (EXPORT)

LEFT SIDE REPEATER LAMP (EXPORT) - GRAY 2 WAY

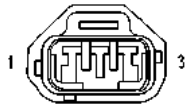
CAV	CIRCUIT	FUNCTION
1	L61 18GY	LEFT TURN SIGNAL
2	Z1 18BK	GROUND



MANIFOLD ABSOLUTE PRESSURE SENSOR (2.4L)

MANIFOLD ABSOLUTE PRESSURE SENSOR (2.4L) - BLACK 3 WAY

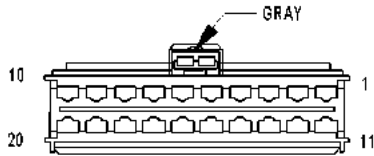
CAV	CIRCUIT	FUNCTION
1	K1 18DG/RD	MAP SIGNAL
2	K4 18BK/LB	SENSOR GROUND 1
3	K7 18OR	5 VOLT SUPPLY



MANIFOLD
ABSOLUTE
PRESSURE
SENSOR
(4.0L)

MANIFOLD ABSOLUTE PRESSURE SENSOR (4.0L) - 3 WAY

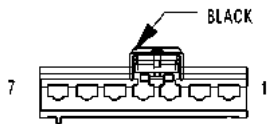
CAV	CIRCUIT	FUNCTION
1	K1 18DG/RD	MAP SIGNAL
2	K4 20BK/LB	SENSOR GROUND 1
3	K7 20OR	5V SUPPLY



MULTI-FUNCTION
SWITCH C1

MULTI-FUNCTION SWITCH C1 - GRAY 20 WAY

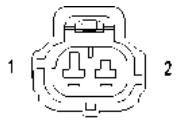
CAV	CIRCUIT	FUNCTION
1	L50 18WT/TN (EXCEPT EXPORT)	BRAKE LAMP SWITCH OUTPUT
2	L61 18GY	LEFT TURN SIGNAL
3	L5 20BK/GY	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
4	L63 18DG/RD	LEFT TURN/STOP SIGNAL
5	L62 18BR/RD	RIGHT TURN/STOP SIGNAL
6	L60 18TN	RIGHT TURN SIGNAL
7	Z1 18BK (EXCEPT EXPORT)	GROUND
7	Z1 20BK (EXPORT)	GROUND
8	E19 20RD	PANEL LAMPS DRIVER
9	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
10	-	-
11	L9 18BK/WT	HAZARD FLASHER FEED
12	L38 18BR/WT (EXPORT)	REAR FOG LAMP FEED
13	F39 16PK/LG	FUSED B(+)
14	F61 16WT/OR (EXCEPT EXPORT)	FUSED FOG LAMP RELAY OUTPUT
15	-	-
16	L4 14VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
17	L3 14RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
18	F3 14LB/OR	FUSED B(+)
19	F3 14LB/OR	FUSED B(+)
20	F33 18PK/RD	FUSED B(+)



MULTI-FUNCTION
SWITCH C2

MULTI-FUNCTION SWITCH C2 - BLACK 7 WAY

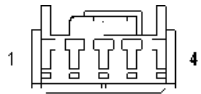
CAV	CIRCUIT	FUNCTION
1	V5 16DG/YL	WIPER PARK SWITCH SENSE
2	Z1 20BK (EXCEPT EXPORT)	GROUND
2	Z1 18BK (EXPORT)	GROUND
3	V10 16BR	WASHER PUMP CONTROL SWITCH OUTPUT
4	V6 16PK/BK	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
5	V4 16RD/YL	WIPER SWITCH HIGH SPEED OUTPUT
6	V3 16BR/WT	LOW SPEED WIPER SWITCH OUTPUT
7	-	-



OUTPUT
SPEED
SENSOR

OUTPUT SPEED SENSOR - 2 WAY

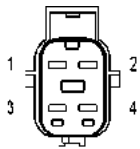
CAV	CIRCUIT	FUNCTION
1	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



OVERDRIVE
OFF
SWITCH

OVERDRIVE OFF SWITCH - 4 WAY

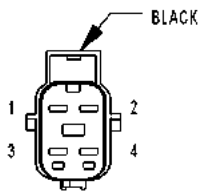
CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	T6 18OR/WT	OVERDRIVE OFF SWITCH SENSE
3	T56 18DG/LB	OVERDRIVE OFF SWITCH INDICATOR
4	E2 20OR	PANEL LAMPS FEED



OXYGEN SENSOR
1/1 UPSTREAM

OXYGEN SENSOR 1/1 UPSTREAM - 4 WAY

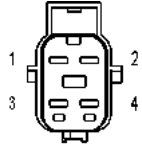
CAV	CIRCUIT	FUNCTION
1	F142 18OR/DG	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K99 18BR/OR	OXYGEN SENSOR 1/1 HEATER CONTROL
3	K4 20BK/LB	SENSOR GROUND 1
4	K41 18BK/DG	OXYGEN SENSOR 1/1 SIGNAL



OXYGEN SENSOR
1/2 DOWNSTREAM

OXYGEN SENSOR 1/2 DOWNSTREAM - BLACK 4 WAY

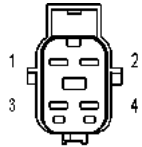
CAV	CIRCUIT	FUNCTION
1	F142 18OR/DG (EXCEPT EXPORT/JAPAN LOW EMISSION VEHICLE)	FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
1	A242 18VT/OR (EXPORT/JAPAN LOW EMISSIONS VEHICLE)	OXYGEN SENSOR DOWNSTREAM HEATER RELAY OUTPUT
2	K299 18BR/WT (EXCEPT EXPORT/JAPAN LOW EMISSION VEHICLE)	OXYGEN SENSOR 1/2 HEATER CONTROL
2	Z1 18BK (EXPORT/JAPAN LOW EMISSIONS VEHICLE)	GROUND
3	K4 20BK/LB	SENSOR GROUND 1
4	K141 18TN/WT	OXYGEN SENSOR 1/2 SIGNAL



OXYGEN SENSOR
2/1 UPSTREAM
(EXCEPT
EXPORT/JAPAN
LOW EMISSION VEHICLE)

OXYGEN SENSOR 2/1 UPSTREAM (EXCEPT EXPORT/JAPAN LOW EMISSION VEHICLE) - 4 WAY

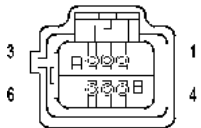
CAV	CIRCUIT	FUNCTION
1	F142 18OR/DG	FUSED AUTO SHUT DOWN RELAY OUTPUT
2	K299 18BR/WT	O2 SENSOR 2/1 HEATER CONTROL
3	K4 20BK/LB	SENSOR GROUND 1
4	K241 18LG/RD	OXYGEN SENSOR 2/1 SIGNAL



OXYGEN SENSOR
2/2 UPSTREAM
(EXCEPT
EXPORT/JAPAN
LOW EMISSION VEHICLE)

OXYGEN SENSOR 2/2 DOWNSTREAM (EXCEPT EXPORT/JAPAN LOW EMISSION VEHICLE) - 4 WAY

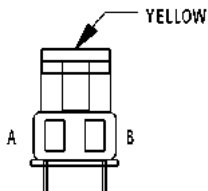
CAV	CIRCUIT	FUNCTION
1	A242 18VT/OR	OXYGEN SENSOR DOWNSTREAM HEATER RELAY OUTPUT
2	Z1 18BK	GROUND
3	K4 20BK/LB	SENSOR GROUND 1
4	K341 18TN/WT	OXYGEN SENSOR 2/2 SIGNAL



PASSENGER
AIRBAG
ON-OFF
SWITCH
(LHD)

PASSENGER AIRBAG ON-OFF SWITCH (LHD) - 6 WAY

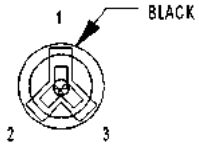
CAV	CIRCUIT	FUNCTION
1	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN)
2	R166 18LG/BR	PASSENGER AIRBAG INDICATOR DRIVER
3	R65 18LG/OR	PASSENGER AIRBAG MUX SWITCH SENSE
4	-	-
5	-	-
6	R66 18YL/LG	PASSENGER AIRBAG MUX SWITCH RETURN



PASSENGER
AIRBAG SQUIB 1

PASSENGER AIRBAG SQUIB 1 - YELLOW 2 WAY

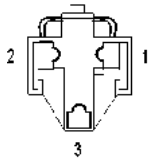
CAV	CIRCUIT	FUNCTION
A	R44 18DG/YL	PASSENGER SQUIB 1 LINE 2
B	R42 18BK/YL	PASSENGER SQUIB 1 LINE 1



PASSENGER
DOOR AJAR
SWITCH

PASSENGER DOOR AJAR SWITCH - BLACK 3 WAY

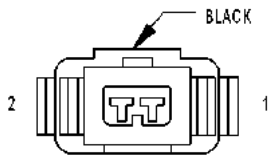
CAV	CIRCUIT	FUNCTION
1	M23 20YL/BK	DOOR AJAR SWITCH OUTPUT
2	-	-
3	G76 20TN/YL	PASSENGER DOOR AJAR SWITCH SENSE



POWER
OUTLET

POWER OUTLET - 3 WAY

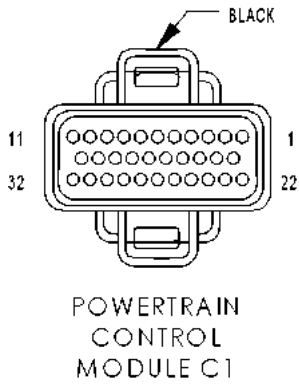
CAV	CIRCUIT	FUNCTION
1	F70 16PK/BK	FUSED B(+)
2	-	-
3	Z1 16BK	GROUND



POWER
STEERING
PRESSURE
SWITCH
(2.4L)

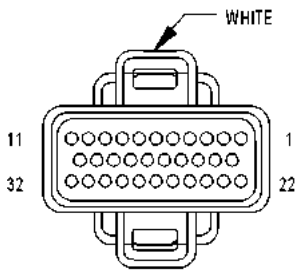
POWER STEERING PRESSURE SWITCH (2.4L) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K10 18DB/OR	POWER STEERING PRESSURE SWITCH SENSE
2	Z1 20BK	GROUND



POWERTRAIN CONTROL MODULE C1 - BLACK 32 WAY

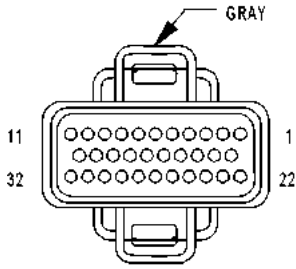
CAV	CIRCUIT	FUNCTION
1	K18 18RD/YL (4.0L)	IGNITION COIL NO. 3 DRIVER
2	F15 18DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	K4 18BK/LB	SENSOR GROUND 1
5	-	-
6	T41 18BK/WT	PARK/NEUTRAL POSITION SWITCH SENSE
7	K19 18BK/GY	IGNITION COIL NO. 1 DRIVER
8	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
9	-	-
10	K60 18YL/BK	IDLE AIR CONTROL NO. 2 DRIVER
11	K40 18BR/WT	IDLE AIR CONTROL NO. 3 DRIVER
12	K10 18DB/OR (2.4L)	POWER STEERING PRESSURE SWITCH SENSE
13	T141 18YL/RD	FUSED IGNITION SWITCH OUTPUT (START)
14	K77 18BK/WT (OFF-ROAD PACKAGE)	TRANSFER CASE POSITION SENSOR INPUT
15	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL
16	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
17	K7 18OR	5V SUPPLY
18	K44 18TN/YL	CMP SIGNAL
19	K39 18GY/RD	IDLE AIR CONTROL NO. 1 DRIVER
20	K59 18VT/BK	IDLE AIR CONTROL NO. 4 DRIVER
21	-	-
22	A14 14RD/WT	FUSED B(+)
23	K22 18OR/DB	THROTTLE POSITION SENSOR SIGNAL
24	K41 18BK/DG	OXYGEN SENSOR 1/1 SIGNAL
25	K141 18TN/WT	OXYGEN SENSOR 1/2 SIGNAL
26	K241 18LG/RD (4.0L EXCEPT EXPORT/ 4.0L JAPAN LOW EMISSION VEHICLE)	OXYGEN SENSOR 2/1 SIGNAL
27	K1 18DG/RD	MAP SIGNAL
28	-	-
29	K341 18TN/WT (4.0L EXCEPT EXPORT/ 4.0L JAPAN LOW EMISSION VEHICLE)	OXYGEN SENSOR 2/2 SIGNAL
30	-	-
31	Z12 14BK/TN	GROUND
32	Z12 14BK/TN	GROUND



POWERTRAIN
CONTROL
MODULE C2

POWERTRAIN CONTROL MODULE C2 - WHITE 32 WAY

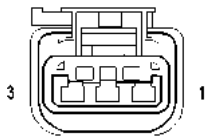
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER
5	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER
6	K38 18GY (4.0L)	FUEL INJECTOR NO. 5 DRIVER
7	-	-
8	-	-
9	K17 18DB/TN	IGNITION COIL NO. 2 DRIVER
10	K20 18DG	GENERATOR FIELD
11	-	-
12	K58 18BR/DB (4.0L)	FUEL INJECTOR NO. 6 DRIVER
13	-	-
14	-	-
15	K12 18TN	FUEL INJECTOR NO. 2 DRIVER
16	K14 18LB/BR	FUEL INJECTOR NO. 4 DRIVER
17	-	-
18	-	-
19	C18 18DB (2.4L)	A/C PRESSURE SIGNAL
20	-	-
21	-	-
22	-	-
23	G60 18GY/YL	ENGINE OIL PRESSURE SIGNAL
24	-	-
25	-	-
26	-	-
27	G7 18WT/OR	VEHICLE SPEED SENSOR SIGNAL
28	-	-
29	-	-
30	-	-
31	K6 18VT/WT	5V SUPPLY
32	-	-



POWERTRAIN CONTROL MODULE C3

POWERTRAIN CONTROL MODULE C3 - GRAY 32 WAY

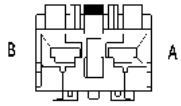
CAV	CIRCUIT	FUNCTION
1	C13 18DB/OR (A/C)	A/C COMPRESSOR CLUTCH RELAY CONTROL
2	C24 18DB/PK (2.4L)	LOW SPEED RADIATOR FAN RELAY CONTROL
3	K51 18DB/YL	AUTOMATIC SHUT DOWN RELAY CONTROL
4	V36 18TN/RD (SPEED CONTROL)	SPEED CONTROL VACUUM SOLENOID CONTROL
5	V35 18LG/RD (SPEED CONTROL)	SPEED CONTROL VENT SOLENOID CONTROL
6	-	-
7	-	-
8	K99 18BR/OR	OXYGEN SENSOR 1/1 HEATER CONTROL
9	K512 18RD/YL (4.0L)	OXYGEN SENSOR DOWNSTREAM HEATER RELAY CONTROL
10	K106 18WT/DG	LEAK DETECTION PUMP SOLENOID CONTROL
11	V32 18YL/RD (SPEED CONTROL)	SPEED CONTROL ON/OFF SWITCH SENSE
12	A142 14DG/PK	AUTOMATIC SHUT DOWN RELAY OUTPUT
13	T10 18YL/DG (A/T)	TORQUE MANAGEMENT REQUEST SENSE
14	K107 18OR	LEAK DETECTION PUMP SWITCH SENSE
15	K118 18PK/YL	BATTERY TEMPERATURE SENSOR SIGNAL
16	K299 18BR/WT	OXYGEN SENSOR HEATER CONTROL
17	-	-
18	-	-
19	K31 18BR	FUEL PUMP RELAY CONTROL
20	K52 18PK/BK	EVAP/PURGE SOLENOID CONTROL
21	C27 18DB (2.4L)	HIGH SPEED RADIATOR FAN RELAY CONTROL
22	C21 18DB/OR (A/C)	A/C SWITCH SENSE
23	C90 18LG (A/C)	A/C SELECT INPUT
24	K29 18WT/PK	BRAKE LAMP SWITCH SENSE
25	K125 18WT/DB	GENERATOR SOURCE
26	K226 18DB/LG (4.0L)	FUEL LEVEL SENSOR SIGNAL
27	D21 18PK	SCI TRANSMIT
28	-	-
29	D32 18LG/WT	SCI RECEIVE
30	D25 18VT/YL	PCI BUS
31	-	-
32	V37 18RD/LB (SPEED CONTROL)	SPEED CONTROL SWITCH SIGNAL



RADIATOR FAN MOTOR (2.4L)

RADIATOR FAN MOTOR (2.4L) - 2 WAY

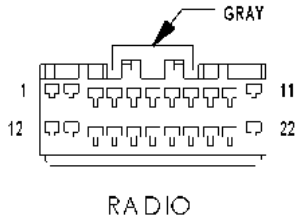
CAV	CIRCUIT	FUNCTION
1	C25 12DG	RADIATOR FAN RELAY OUTPUT
2	Z213 12BK	GROUND
3	C23 12DB	FUSED HIGH SPEED RADIATOR RELAY OUTPUT



RADIATOR FAN MOTOR CIRCUIT BREAKER (2.4L)

RADIATOR FAN MOTOR CIRCUIT BREAKER (2.4L) - 2 WAY

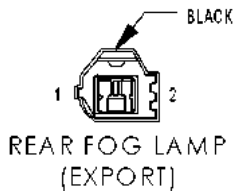
CAV	CIRCUIT	FUNCTION
A	Z213 12BK	GROUND
B	Z213 12BK	GROUND



RADIO

RADIO - GRAY 22 WAY

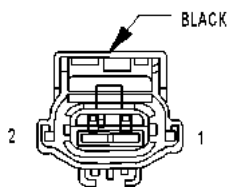
CAV	CIRCUIT	FUNCTION
1	F60 16RD/WT	FUSED B(+)
2	X12 20PK	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
3	E2 20OR	PANEL LAMPS DRIVER
4	-	-
5	-	-
6	-	-
7	X54 18VT	RIGHT FRONT SPEAKER (+)
8	X56 18DB	RIGHT FRONT SPEAKER (-)
9	X55 18BR/RD	LEFT FRONT SPEAKER (-)
10	X53 18DG	LEFT FRONT SPEAKER (+)
11	Z9 16BK	GROUND
12	F60 16RD/WT	FUSED B(+)
13	X16 20LG	RADIO 12V OUTPUT
14	D25 20VT/YL	PCI BUS
15	-	-
16	-	-
17	-	-
18	X51 18BR/YL	LEFT REAR SPEAKER (+)
19	X57 18BR/LB	LEFT REAR SPEAKER (-)
20	X58 18DB/PK	RIGHT REAR SPEAKER (-)
21	X52 18DB/WT	RIGHT REAR SPEAKER (+)
22	Z9 16BK	GROUND



REAR FOG LAMP (EXPORT)

REAR FOG LAMP (EXPORT) - BLACK 2 WAY

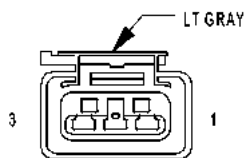
CAV	CIRCUIT	FUNCTION
1	L38 18BR/WT	REAR FOG LAMP FEED
2	Z1 20BK	GROUND



REAR LOCKER INDICATOR SWITCH (OFF-ROAD PACKAGE)

REAR LOCKER INDICATOR SWITCH (OFF-ROAD PACKAGE) - BLACK 2 WAY

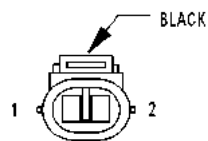
CAV	CIRCUIT	FUNCTION
1	Z1 16BK	GROUND
2	G301 16VT/LB	REAR LOCKER INDICATOR SWITCH SENSE



REAR LOCKER PUMP (OFF-ROAD PACKAGE)

REAR LOCKER PUMP (OFF-ROAD PACKAGE) - LT GRAY 3 WAY

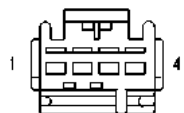
CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	-	-
3	A850 18RD/WT	REAR LOCKER RELAY OUTPUT



REAR WASHER PUMP (HARD TOP)

REAR WASHER PUMP (HARD TOP) - BLACK 2 WAY

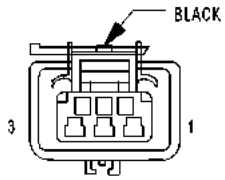
CAV	CIRCUIT	FUNCTION
1	V20 18VT/OR	REAR WASHER MOTOR CONTROL
2	Z1 18BK	GROUND



REAR WINDOW DEFOGGER SWITCH (HARD TOP)

REAR WINDOW DEFOGGER SWITCH (HARD TOP) - 4 WAY

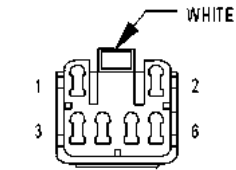
CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	C80 20DB/WT	REAR WINDOW DEFOGGER SWITCH SENSE
3	F81 20DB/RD	FUSED REAR WINDOW DEFOGGER RELAY OUTPUT
4	E2 20OR	FUSED PANEL LAMPS DIMMER SWITCH SIGNAL



REAR WIPER MOTOR (HARD TOP)

REAR WIPER MOTOR (HARD TOP) - BLACK 3 WAY

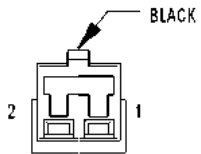
CAV	CIRCUIT	FUNCTION
1	V23 18BR/PK	FUSED IGNITION SWITCH OUTPUT (RUN)
2	Z1 16BK	GROUND
3	V13 18BK/LG	REAR WIPER MOTOR CONTROL



REAR WIPER/WASHER SWITCH (HARD TOP)

REAR WIPER/WASHER SWITCH (HARD TOP) - WHITE 6 WAY

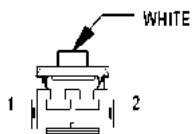
CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	V20 18VT/OR	REAR WASHER MOTOR CONTROL
3	E2 20OR	FUSED PANEL LAMPS DIMMER SWITCH SIGNAL
4	V13 18BR/LG	REAR WIPER MOTOR CONTROL
5	V23 18BR/PK	FUSED IGNITION SWITCH OUTPUT (RUN)
6	-	-



RIGHT COURTESY LAMP

RIGHT COURTESY LAMP - BLACK 2 WAY

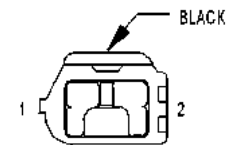
CAV	CIRCUIT	FUNCTION
1	M1 20PK/WT	FUSED B(+)
2	M2 20YL	COURTESY LAMPS DRIVER



RIGHT DOME LAMP

RIGHT DOME LAMP - WHITE 2 WAY

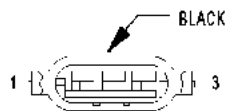
CAV	CIRCUIT	FUNCTION
1	M1 20PK/WT	FUSED B(+)
2	M2 20YL	COURTESY LAMPS DRIVER



RIGHT FOG LAMP (EXCEPT EXPORT)

RIGHT FOG LAMP (EXCEPT EXPORT) - BLACK 2 WAY

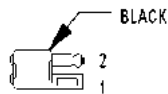
CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	L39 16LB	FOG LAMP RELAY NO. 1 OUTPUT



RIGHT FRONT PARK/
TURN SIGNAL LAMP
(EXCEPT EXPORT)

RIGHT FRONT PARK/ TURN SIGNAL LAMP (EXCEPT EXPORT) - BLACK 3 WAY

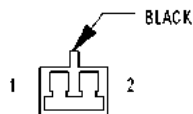
CAV	CIRCUIT	FUNCTION
1	L60 18TN	RIGHT TURN SIGNAL
2	L7 18BK/YL	FUSED PARK LAMP RELAY OUTPUT
3	Z1 18BK	GROUND



RIGHT FRONT
POSITION LAMP
(EXPORT)

RIGHT FRONT POSITION LAMP (EXPORT) - BLACK 2 WAY

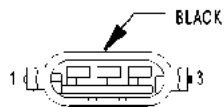
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	FUSED PARK LAMP RELAY OUTPUT
2	Z1 20BK	GROUND



RIGHT FRONT
SPEAKER

RIGHT FRONT SPEAKER - BLACK 2 WAY

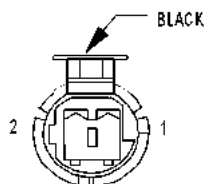
CAV	CIRCUIT	FUNCTION
1	X54 18VT	RIGHT FRONT SPEAKER (+)
2	X56 18DB	RIGHT FRONT SPEAKER (-)



RIGHT FRONT TURN
SIGNAL LAMP
(EXPORT)

RIGHT FRONT TURN SIGNAL LAMP (EXPORT) - BLACK 3 WAY

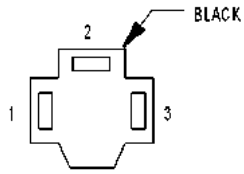
CAV	CIRCUIT	FUNCTION
1	L60 18TN	RIGHT TURN SIGNAL
2	-	-
3	Z1 18BK	GROUND



RIGHT FRONT
WHEEL SPEED
SENSOR

RIGHT FRONT WHEEL SPEED SENSOR - BLACK 2 WAY

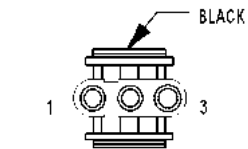
CAV	CIRCUIT	FUNCTION
1	B6 18WT/DB	RIGHT FRONT WHEEL SPEED SENSOR (-)
2	B7 18WT	RIGHT FRONT WHEEL SPEED SENSOR (+)



RIGHT HEADLAMP

RIGHT HEADLAMP - BLACK 3 WAY

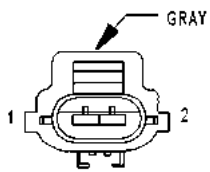
CAV	CIRCUIT	FUNCTION
1	L3 14RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
2	L4 14VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
3	Z1 18BK	GROUND



RIGHT HEADLAMP LEVELING MOTOR (EXPORT)

RIGHT HEADLAMP LEVELING MOTOR (EXPORT) - BLACK 3 WAY

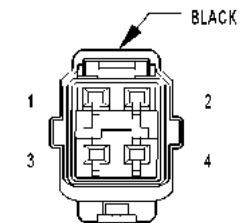
CAV	CIRCUIT	FUNCTION
1	L22 20LG/DG	FUSED HEADLAMP SWITCH OUTPUT
2	L13 20BR/YL	HEADLAMP ADJUST SIGNAL
3	Z1 20BK	GROUND



RIGHT LICENSE LAMP (EXPORT)

RIGHT LICENSE LAMP (EXPORT) - GRAY 2 WAY

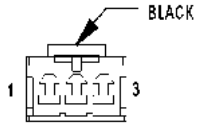
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	FUSED PARK LAMP RELAY OUTPUT
2	Z1 20BK	GROUND



RIGHT REAR LAMP ASSEMBLY

RIGHT REAR LAMP ASSEMBLY - BLACK 4 WAY

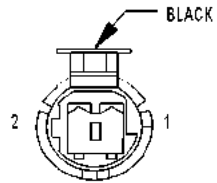
CAV	CIRCUIT	FUNCTION
1	L1 20VT/BK (EXCEPT EXPORT)	BACK-UP LAMP FEED
1	L62 18BR/RD (EXPORT)	RIGHT TURN/STOP SIGNAL
2	L62 18BR/RD (EXCEPT EXPORT)	RIGHT TURN/STOP SIGNAL
2	L1 20VT/BK (EXPORT)	BACK-UP LAMP FEED
3	L7 18BK/YL (EXCEPT EXPORT)	FUSED PARK LAMP RELAY OUTPUT
3	L50 18WT/TN (EXPORT)	BRAKE LAMP SWITCH OUTPUT
4	L63 18DG/RD (EXCEPT EXPORT)	LEFT TURN/STOP SIGNAL
4	L7 18BK/YL (EXPORT)	FUSED PARK LAMP RELAY OUTPUT



RIGHT REAR SPEAKER

RIGHT REAR SPEAKER - BLACK 3 WAY

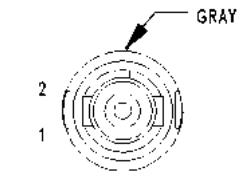
CAV	CIRCUIT	FUNCTION
1	X58 20DB/PK	RIGHT REAR SPEAKER (-)
2	-	-
3	X52 20DB/WT	RIGHT REAR SPEAKER (+)



RIGHT REAR WHEEL SPEED SENSOR

RIGHT REAR WHEEL SPEED SENSOR - BLACK 2 WAY

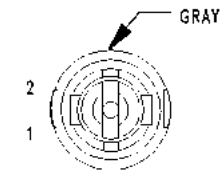
CAV	CIRCUIT	FUNCTION
1	B1 18YL/DB	RIGHT REAR WHEEL SPEED SENSOR (-)
2	B2 18YL	RIGHT REAR WHEEL SPEED SENSOR (+)



RIGHT SIDE MARKER LAMP (EXCEPT EXPORT)

RIGHT SIDE MARKER LAMP (EXCEPT EXPORT) - GRAY 2 WAY

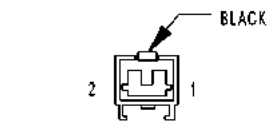
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	FUSED PARK LAMP RELAY OUTPUT
2	L60 18TN	RIGHT TURN SIGNAL



RIGHT SIDE REPEATER LAMP (EXPORT)

RIGHT SIDE REPEATER LAMP (EXPORT) - GRAY 2 WAY

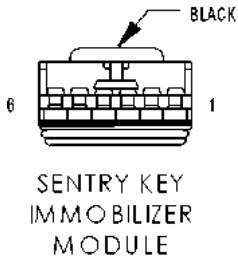
CAV	CIRCUIT	FUNCTION
1	L60 18TN	RIGHT TURN SIGNAL
2	Z1 18BK	GROUND



SEAT BELT SWITCH (EXCEPT LHD EXPORT)

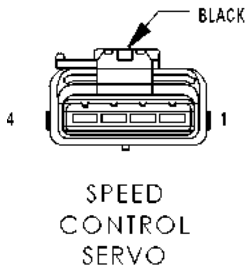
SEAT BELT SWITCH (EXCEPT LHD EXPORT) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	G10 20LG/RD	SEAT BELT SWITCH SENSE
2	Z1 20BK	GROUND



SENTRY KEY IMMOBILIZER MODULE - BLACK 6 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	D25 20VT/YL	PCI BUS
3	-	-
4	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
5	Z1 20BK	GROUND
6	F33 20PK/RD	FUSED B(+)



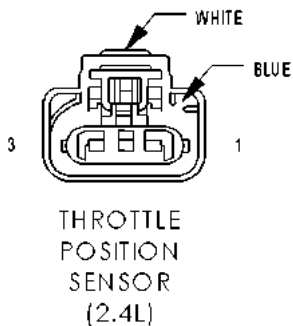
SPEED CONTROL SERVO - BLACK 4 WAY

CAV	CIRCUIT	FUNCTION
1	V36 18TN/RD	SPEED CONTROL VACUUM SOLENOID CONTROL
2	V35 18LG/RD	SPEED CONTROL VENT SOLENOID CONTROL
3	V30 20DB/RD	SPEED CONTROL BRAKE LAMP SWITCH OUTPUT
4	Z1 18BK	GROUND



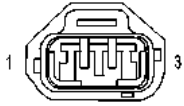
SUBWOOFER - 12 WAY

CAV	CIRCUIT	FUNCTION
1	X54 18VT	RIGHT FRONT SPEAKER (+)
2	X56 18DB	RIGHT FRONT SPEAKER (-)
3	X53 18DG	LEFT FRONT SPEAKER (+)
4	X55 18BR/RD	LEFT FRONT SPEAKER (-)
5	X16 20LG	RADIO 12V OUTPUT
6	X13 16BK/RD	FUSED IGNITION SWITCH OUTPUT
7	X52 18GY/DB	RIGHT REAR SPEAKER (+)
8	X58 18DB/PK	RIGHT REAR SPEAKER (-)
9	X51 18BR/YL	LEFT REAR SPEAKER (+)
10	X57 18BR/LB	LEFT REAR SPEAKER (-)
11	-	-
12	Z9 16BK/WT	GROUND



THROTTLE POSITION SENSOR (2.4L) - WHITE/BLUE 3 WAY

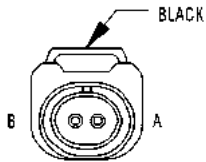
CAV	CIRCUIT	FUNCTION
1	K7 18OR	5 VOLT SUPPLY
2	K4 18BK/LB	SENSOR GROUND 1
3	K22 18OR/DB	THROTTLE POSITION SENSOR NO. 1 SIGNAL



THROTTLE POSITION SENSOR (4.0L)

THROTTLE POSITION SENSOR (4.0L) - 3 WAY

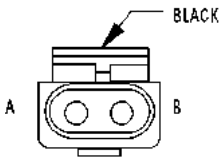
CAV	CIRCUIT	FUNCTION
1	K7 200R	5-VOLT SUPPLY
2	K4 20BK/LB	SENSOR GROUND 1
3	K22 180R/DB	THROTTLE POSITION SENSOR NO. 1 SIGNAL



TORQUE CONVERTER CLUTCH SOLENOID

TORQUE CONVERTER CLUTCH SOLENOID - BLACK 2 WAY

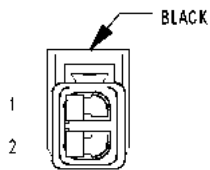
CAV	CIRCUIT	FUNCTION
A	F12 20RD/LG	FUSED IGNITION SWITCH OUTPUT (RUN-START)
B	T23 180R/LG	TRANSMISSION LOW/OVERDRIVE SOLENOID



TRANSFER CASE SWITCH (EXCEPT OFF-ROAD PACKAGE)

TRANSFER CASE SWITCH (EXCEPT OFF-ROAD PACKAGE) - BLACK 2 WAY

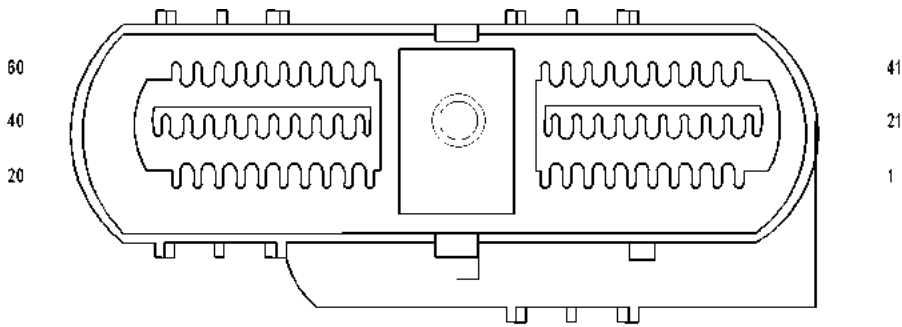
CAV	CIRCUIT	FUNCTION
A	G107 20BK/RD	4WD INDICATOR
B	Z1 18BK	GROUND



TRANSFER CASE SWITCH (OFF-ROAD PACKAGE)

TRANSFER CASE SWITCH (OFF-ROAD PACKAGE) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K77 18BR/WT	TRANSFER CASE POSITION SENSOR INPUT
2	K4 18BK/LB	SENSOR GROUND 1



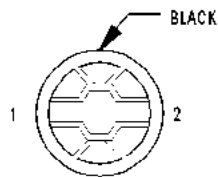
TRANSMISSION
CONTROL
MODULE

TRANSMISSION CONTROL MODULE - 60 WAY

CAV	CIRCUIT	FUNCTION
1	T1 18LG/BK	TRS T1 SENSE
2	-	-
3	T3 18VT	TRS T3 SENSE
4	-	-
5	-	-
6	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
7	D21 18PK	SCI TRANSMIT
8	T141 18YL/RD	FUSED IGNITION SWITCH OUTPUT (START)
9	T9 18OR/BK	OVERDRIVE PRESSURE SWITCH SENSE
10	T10 18YL/DG	TORQUE MANAGEMENT REQUEST SENSE
11	F15 18DB/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
12	K22 18OR/DB	THROTTLE POSITION SENSOR SIGNAL
13	T13 18DB/BK	SPEED SENSOR GROUND
14	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
15	K30 18PK	TRANSMISSION CONTROL RELAY CONTROL
16	T16 16RD	TRANSMISSION CONTROL RELAY OUTPUT
17	T16 16RD	TRANSMISSION CONTROL RELAY OUTPUT
18	T56 18DG/LB	OVERDRIVE OFF SWITCH INDICATOR
19	T19 16WT	2-4 SOLENOID CONTROL
20	T20 16LB	LOW/REVERSE SOLENOID CONTROL
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	-	-
32	-	-
33	-	-
34	-	-
35	-	-
36	-	-
37	-	-
38	-	-
39	-	-
40	-	-

TRANSMISSION CONTROL MODULE - 60 WAY

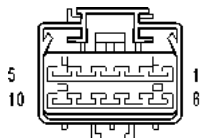
CAV	CIRCUIT	FUNCTION
41	T411 18WT/PK	TRS T41 SENSE
42	T42 16VT/WT	TRS T42 SENSE
43	D25 18VT/YL	PCI BUS
44	-	-
45	-	-
46	D20 18LG	SCI RECEIVE
47	T47 18YL/BK	2-4 PRESSURE SWITCH SENSE
48	-	-
49	T6 18OR/WT	OVERDRIVE OFF SWITCH SENSE
50	T50 18DG	LOW/REVERSE PRESSURE SWITCH SENSE
51	K4 18BK/LB	SENSOR GROUND 1
52	T52 18RD/BK	INPUT SPEED SENSOR SIGNAL
53	Z112 16BK	GROUND
54	T54 18VT	TRANSMISSION TEMPERATURE SENSOR SIGNAL
55	-	-
56	A30 16RD/WT	FUSED B(+)
57	Z113 16BK/YL	GROUND
58	-	-
59	T59 16PK	UNDERDRIVE SOLENOID CONTROL
60	T60 16BR	OVERDRIVE SOLENOID CONTROL



TRANSMISSION RANGE INDICATOR ILLUMINATION (PRNDL)

TRANSMISSION RANGE INDICATOR ILLUMINATION (PRNDL) - BLACK 2 WAY

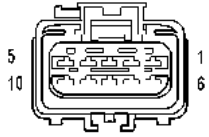
CAV	CIRCUIT	FUNCTION
1	E2 20OR	FUSED PANEL LAMPS DIMMER SWITCH SIGNAL
2	Z1 20BK	GROUND



TRANSMISSION RANGE SENSOR

TRANSMISSION RANGE SENSOR - 10 WAY

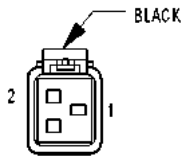
CAV	CIRCUIT	FUNCTION
1	F20 20VT/WT	FUSED IGNITION SWITCH OUTPUT (RUN)
2	-	-
3	T13 18DB/BK	SPEED SENSOR GROUND
4	T54 18VT	TRANSMISSION TEMPERATURE SENSOR SIGNAL
5	T41 20BK/WT	PARK/NEUTRAL POSITION SWITCH SENSE (T41)
6	L1 20VT/BK	BACK-UP LAMP FEED
7	T1 18LG/BK	TRS T1 SENSE
8	T3 18VT	TRS T3 SENSE
9	T42 16VT/WT	TRS T42 SENSE
10	T411 18WT/PK	TRS T41 SENSE



TRANSMISSION SOLENOID/PRESSURE SWITCH ASSEMBLY

TRANSMISSION SOLENOID/PRESSURE SWITCH ASSEMBLY - 10 WAY

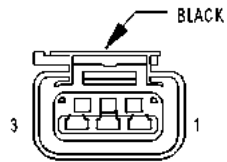
CAV	CIRCUIT	FUNCTION
1	T60 16BR	OVERDRIVE SOLENOID CONTROL
2	T59 16PK	UNDERDRIVE SOLENOID CONTROL
3	T16 16RD	TRANSMISSION CONTROL RELAY OUTPUT
4	T19 16WT	2-4 SOLENOID CONTROL
5	T47 18YL/BK	2-4 PRESSURE SWITCH SENSE
6	T9 18OR/BK	OVERDRIVE PRESSURE SWITCH SENSE
7	T20 16LB	LOW/REVERSE SOLENOID CONTROL
8	-	-
9	-	-
10	T50 18DG	LOW/REVERSE PRESSURE SWITCH SENSE



UNDERHOOD LAMP

UNDERHOOD LAMP - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	M1 20PK/WT	FUSED B(+)



VEHICLE SPEED SENSOR

VEHICLE SPEED SENSOR - BLACK 3 WAY

CAV	CIRCUIT	FUNCTION
1	K6 18VT/WT	5V SUPPLY
2	K4 20BK/LB	SENSOR GROUND 1
3	G7 18WT/OR	VEHICLE SPEED SENSOR SIGNAL

8W-91 CONNECTOR/GROUND/SPLICE LOCATION

TABLE OF CONTENTS

page

CONNECTOR/GROUND/SPLICE LOCATION
 DESCRIPTION 1

CONNECTOR/GROUND/SPLICE LOCATION

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.

DESCRIPTION

This section provides illustrations identifying connector, ground, and splice locations in the vehicle. Connector, ground, and splice indexes are provided.

CONNECTORS

Connector Name/Number	Color	Location	Fig.
A/C Compressor Clutch	BK	At A/C Compressor Clutch	4, 5
A/C Heater Control - C1		Center of Instrument Panel	24, 27
A/C Heater Control - C2		Center of Instrument Panel	24, 27
A/C Heater Control - C3		Center of Instrument Panel	24, 27
A/C High Pressure Switch	BK	Left Side of Engine	4
A/C Low Pressure Switch	GN	Near Powertrain Control Module	5, 10, 16
A/C Pressure Transducer (2.4L)	BK	Near Compressor	5, 10
Airbag Control Module	YL	Front of Floor Pan Tunnel	18
Ambient Temperature Sensor	GY	Left Front Fender Side Shield	1
Axle Lock Switch(Off Road)		Near Cigar Lighter	24
Back-up Lamp Switch (M/T)	BK	Right Side of Transmission	32, 33, 34
Battery Temperature Sensor	BK	Under Battery Tray	7, 8
Blend Door Actuator		On HVAC Harness	N/S
Blower Motor		On HVAC Harness	N/S
Blower Motor Relay	BK	On HVAC Harness	N/S
Blower Motor Resistor Block		On HVAC Harness	N/S
Brake Lamp Switch	GY	Top of Brake Pedal Bracket	20
Brake Transmission Shift Interlock Solenoid	WT	Near Steering Column	N/S
Brake Warning Indicator Switch	BK	On Brake Master Cylinder	7
C103	BK	Rear of Engine Compartment	7, 8, 15, 16
C104 (LHD)	GY	Rear of Engine Compartment	7, 15, 16
C104 (RHD)	GY	Rear of Engine Compartment	8, 16
C107 (LHD)	YL	Left Kick Panel	19, 20, 35
C107 (RHD)	YL	Right Kick Panel, see LHD Similar	21

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

Connector Name/Number	Color	Location	Fig.
C109 (A/T)	LT-GY	Rear of Engine Compartment	7, 8, 15
C110	BK	Left Fender Side Shield	1, 7
C115 (Off Road)	BK	Top of Locker Pump Bracket	29
C116 (Off Road)	LT-GY	Top of Locker Pump Bracket	29
C120 (2.4L)	BK	Right side of Radiator Fan Shroud	5, 10
C154	BK	Top Right Side of Transmission	32
C170 (LHD)	NAT	Left Kick Panel	20, 22
C170 (RHD)	NAT	Right Kick Panel	22, 25
C180	BK	Below Evap/Purge Solenoid	N/S
C181	BK	Left Rear of Engine Head	3
C182	BK	Left Rear of Engine Head	3
C202 (LHD)	GY	Left Kick Panel	20, 22, 35
C202 (RHD)	GY	Right Kick Panel	21, 22,25
C203 (LHD)	GN	Left Kick Panel	24
C203 (RHD)	GN	Right Kick Panel	27
C205	LT GN	Left Kick Panel	23, 25
C324 (Speaker Pod)	WT/BK	Right Side of Sport Bar	N/S
C325 (Speaker Pod)	WT/BK	Left Side of Sport Bar	35, 36
C326 (Hard Top)	BK	Left Rear Quarter Panel	35, 36
C329 (Export)	BK	Left Rear of Rear Bumper	39
Camshaft Position Sensor (4.0L)	BK	Right Side of Engine	6
Camshaft Position Sensor (2.4L)	BK	Right Front Corner of Engine Head, behind Air Cleaner	N/S
Capacitor		At Right Rear of Engine	14
Center High Mounted Stop Lamp	BK	Near Right Rear Lamp Assembly	39, 40
Cigar Lighter/Power Outlet	RD	Rear of Cigar Lighter	24, 26
Circuit Breaker	GY	Near Day Time Running Lamp Module	17, 19
Clockspring - C1	NAT	Rear of Clockspring	28
Clockspring - C2	YL	Rear of Clockspring	28
Clutch Pedal Position Switch (M/T)	BK	Top of Clutch Pedal Bracket	19, 20
Compass/Temperature Mirror	BK	At Top Center of Windshield	N/S
Controller Anti-Lock Brake	BK	Rear Left Side of Dash Panel	7
Crankshaft Position Sensor (4.0L)	BK	At Rear of Intake Manifold	6, 12, 33
Crankshaft Position Sensor (2.4L)	BK	Left Bellhousing	N/S
Data Link Connector	BK	Bottom Driver Side of Instrument Panel	20, 25
Daytime Running Lamp Module (Except Export)	BK	Left Side of Engine Compartment	N/S
Driver Airbag Squib	YL	Under Horn Pad	N/S
Driver Door Ajar Switch	NAT	At "A" Pillar	20, 21

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

Connector Name/Number	Color	Location	Fig.
Engine Coolant Temperature Sensor	BK	On Thermostat Housing	4, 15
Engine Oil Pressure Switch (4.0L)	BK	Right Side of Engine Block	12
Engine Oil Pressure Switch (2.4L)	BK	Below A/C Compressor	N/S
Engine Starter Solenoid		At Starter Motor	3
Evap/Purge Solenoid	BK	Left Fender Side Shield	7, 9
Front Locker Indicator Switch (Off Road)	BK	Top of Front Differential	30
Front Locker Pump (Off Road)	BK	Top of Locker Pump Bracket	29
Front Washer Pump	BK	Under Washer Fluid Reservoir	1
Front Wiper Motor	BK	At Motor	11
Fuel Injector NO.1 (4.0L)	BK	At Injector	4
Fuel Injector NO.2(4.0L)	BK	At Injector	4
Fuel Injector NO.3(4.0L)	BK	At Injector	4
Fuel Injector NO.4(4.0L)	BK	At Injector	4
Fuel Injector NO.5(4.0L)	BK	At Injector	4
Fuel Injector NO.6(4.0L)	BK	At Injector	4
Fuel Pump Module	BK	Above Fuel Tank	37
G Switch	BK	Near T/O for Controller Anti-Lock Brake	18
Generator	BK	Rear of Generator	3, 6
Ground Strap		Attached to Center of Hood	7
Headlamp Leveling Switch (Export)	WT	At Switch	22, 25
Horn	BK	Left Front Fender Side Shield	1
Idle Air Control Motor	BK	Side of Throttle Body	3, 4
Ignition Coil Capacitor	BK	Right Rear of Engine Head	6, 14
Ignition Coil Pack (2.4L)	GY	Right Side of Engine	3
Ignition Coil Pack (4.0L)	BK	Right Rear of Engine	6, 12
Ignition Switch		On Steering Column	28
Input Speed Sensor	BK	Left Center of Trans	13
Instrument Cluster - C1		Rear of Cluster	22, 25
Instrument Cluster - C2		Rear of Cluster	22, 25
Intake Air Temperature Sensor	GY	Rear of Intake Manifold	4
Leak Detection Pump	BK	Right Rear Quarter, Forward of Tail Lamp Assembly	38
Left Courtesy Lamp	BK	Left Side of Instrument Panel	22, 25
Left Dome Lamp	WT	In Left Speaker Pod	N/S
Left Fog Lamp (Except Export)	BK	At Lamp, See Right	N/S
Left Front Park/Turn Signal Lamp (Except Export)	BK	At Lamp, See Right	N/S
Left Front Position Lamp (Export)	BK	At Lamp	1

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

Connector Name/Number	Color	Location	Fig.
Left Front Speaker	BK	At Speaker	22, 25
Left Front Turn Signal Lamp (Export)	BK	At Lamp, See Right	N/S
Left Front Wheel Speed Sensor	BK	Left Side of Engine Compartment Near Hydraulic Control Unit	7
Left Headlamp	BK	Rear of Lamp	1
Left Headlamp Leveling Motor (Export)	BK	Near Headlamp at Motor	1
Left License Lamp (Export)	GY	At Lamp	39, 40
Left Rear Lamp Assembly	BK	At Lamp	39, 40
Left Rear Speaker	BK	In Left Speaker/lamp Pod	N/S
Left Rear Wheel Speed Sensor	BK	Near Vehicle Speed Sensor T/O	37
Left Side Marker Lamp	GY	At Lamp, See Right	N/S
Left Side Repeater Lamp (Export)	GY	At Lamp, See Right	N/S
Manifold Absolute Pressure Sensor	BK	Side of Throttle Body	3, 4
Multi-Function Switch C1	GY	Steering Column	28
Multi-Function Switch C2	BK	Steering Column	28
Output Speed Sensor	BK	Rear Left Side of Trans	13
Overdrive Off Switch		Center of Instrument Panel	24, 26
Oxygen Sensor 1/1 Upstream		On Front Exhaust Pipe	4, 14
Oxygen Sensor 1/2 Downstream	BK	Rear of Catalytic Converter	4, 13, 34
Oxygen Sensor 2/1 Upstream (4.0L California/European III)		Near Idle Air Control Motor T/O	4, 13
Oxygen Sensor 2/2 Downstream (4.0L California/European III)	GY	T/O near Ignition Coil Pack T/O	6, 12, 13
Park Brake Switch		Left of Seat Belt Switch	18
Passenger Airbag	YL	Rear of Airbag	17, 19
Passenger Airbag On/Off Switch		Lower Center of Instrument Panel	24
Passenger Door Ajar Switch	BK	Near Top Hinge of Passenger Door	17, 19
Power Distribution Center	BK	Engine Compartment Right or Left Fender	7, 8
Power Outlet		Center of Instrument Panel	24, 26
Power Steering Pressure Switch (2.4L)	BK	Near Power Steering Pump	3
Powertrain Control Module - C1 (LHD)	BK	Right Rear of Engine Compartment	14, 16
Powertrain Control Module - C1 (RHD)	BK	Left Rear of Engine Compartment	N/S
Powertrain Control Module - C2 (LHD)	WT	Right Rear of Engine Compartment	14, 16
Powertrain Control Module - C2 (RHD)	WT	Left Rear of Engine Compartment	N/S

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

Connector Name/Number	Color	Location	Fig.
Powertrain Control Module - C3 (LHD)	GY	Right Rear of Engine Compartment	7, 14
Powertrain Control Module - C3 (RHD)	GY	Left Rear of Engine Compartment	8
Radiator Fan Motor Circuit Breaker (2.4L)	BK	On Right Radiator Fan Shroud	5
Radiator Fan Motor (2.4L)	BK	On Right Radiator Fan Shroud	5
Radiator Fan Relay (2.4L)	BK	On exterior of PDC, Engine side	10
Radio	GY	Rear of Radio	24, 27
Rear Fog Lamp (Export)	BK	At Lamp	39, 40
Rear Locker Indicator Switch (Off Road)	BK	Top of Rear Differential	31
Rear Locker Pump (Off Road)	LT-GY	Top of Locker Pump Bracket	29
Rear Washer Pump (Hard Top)	BK	Under Washer Fluid Reservoir	1, 9
Rear Window Defogger		At Rear Window	35, 36
Rear Window Defogger Switch (Hard Top)	GY	Behind Rear Window Defogger Switch	24, 26
Rear Wiper Motor (Hard Top)	BK	At Rear Wiper Motor	35, 36
Rear Wiper/Washer Switch (Hard Top)	WT	Behind Rear Wiper/Washer Switch	24, 26
Right Courtesy Lamp	BK	Right Side of Instrument Panel	23, 25
Right Dome Lamp	WT	In Right Speaker Pod	
Right Fog Lamp (Except Export)	BK	At Lamp	2
Right Front Park/Turn Signal Lamp (Except Export)	BK	At Lamp	2
Right Front Position Lamp (Export)	BK	At Lamp	2
Right Front Speaker	BK	At Speaker	23, 25
Right Front Turn Signal Lamp (Export)	BK	At Lamp	2
Right Front Wheel Speed Sensor	BK	Rear of Engine	N/S
Right Headlamp	BK	Rear of Lamp	2
Right Headlamp Leveling Motor (Export)	BK	Near Headlamp at Motor	2
Right License Lamp	GY	At Lamp	39, 40
Right Rear Lamp Assembly	BK	At Lamp	39, 40
Right Rear Speaker	BK	In Right Speaker/lamp Pod	N/S
Right Rear Wheel Speed Sensor	BK	Near Vehicle Speed Sensor T/O	37
Right Side Marker Lamp (Except Export)	GY	At Lamp	2
Right Side Repeater Lamp	GY	At Lamp	2
Seat Belt Switch	BK	Near Park Brake Switch	18, 36

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

Connector Name/Number	Color	Location	Fig.
Sentry Key Immobilizer Module	BK	At Immobilizer	28
Speed Control Servo	BK	Left Side Engine Compartment	7, 9
Subwoofer	LT-GY	Floor Pan	18
Throttle Position Sensor	WT	Side of Throttle Body	4, 15
Transfer Case Position Switch	BK	Left Side of Transfer Case	29
Transmission Control Module	BK	On Left Fender Shield	9
Transmission Range Indicator Illumination (PRNDL)	BK	Between Seats	18
Transmission Range Sensor	GN	Left Center of Transmission	13
Transmission Solenoid/ Pressure Switch Assembly	NAT	Right Center of Transmission	12
Underhood Lamp	BK	Under Hood	7, 8, 15
Vehicle Speed Sensor	BK	Left Rear of Transfer Case	29

GROUNDS

Connector Name/ Number	Location	Fig.
G100	Rear Center of Engine Compartment	7, 8
G101	Rear Center of Engine Compartment	7
G102	Left Radiator Closure Panel	1
G103	Right Radiator Closure Panel	2
G104	Near Generator	N/S
G105	Right Rear of Engine Block (4.0L) Near Left Engine Mount (2.4L)	36, 12
G106	Right Rear of Engine Block	N/S
G107	Right Rear of Engine Block	N/S
G110 (2.4L)	Near Left Engine Mount	3, 12
G111	Near Right Rear of Engine	6
G190	Near Right Headlamp	10
G191	Near Right Headlamp	10
G200 (LHD)	Left Rear of Instrument Panel	20
G200 (RHD)	Right Rear of Instrument Panel	25
G201 (LHD)	Left Rear of Instrument Panel	20
G201 (RHD)	Right Rear of Instrument Panel	25
G202 (LHD)	Right Rear of Instrument Panel	23
G202 (RHD)	Left Rear of Instrument Panel	25
G203 (LHD)	Right Rear of Instrument Panel	23
G203 (RHD)	Left Rear of Instrument Panel	25
G204 (RHD)	Center of Instrument Panel	25
G300 (LHD)	Left Kick Panel	20
G300 (RHD)	Right Kick Panel	21
G301 (LHD)	At Base of Center Stack	18
G301 (RHD)	Left Kick Panel	19

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

Connector Name/ Number	Location	Fig.
G302 (LHD)	Left Kick Panel	20
G302 (RHD)	Right Kick Panel	21
G303 (LHD)	Near Steering Column Mounting Bracket	N/S
G303 (RHD)	Near Right Kick Panel	N/S

SPLICES

Splice Number	Location	Fig.
S101	Near T/O for Power Distribution Center	7, 8
S102	Near T/O for G100 or Daytime Running Lamp Module	7, 8
S103	Near T/O for G101	7, 8
S105	Near T/O for Daytime Running Lamp Module	N/S
S106	Near T/O for G100	7, 8
S108	Near T/O for Power Distribution Center	7, 8
S111	Near T/O for Battery Temperature Sensor or Power Distribution Center	7, 8
S113	Near T/O for G100	7, 8
S115	At Left Fender Shield Harness Tie Down	1
S116 (Except-Export)	Near T/O for Front Washer Pump	1
S117	Near T/O for Horn	1
S118	Near Left Headlamp T/O	1
S121	Near T/O for Powertrain Control Module - C2	16
S122	Near Grommet for Left Front Turn Signal Lamp, See Right	N/S
S123 (4.0L)	Near T/O for G105	12
S123 (2.4L)	Near T/O for Ignition Coil Pack	N/S
S124 (4.0L)	Near T/O for 2/1 Oxygen Sensor	4
S124 (2.4L)	Near T/O for Ignition Coil Pack	N/S
S125 (Export)	Near Grommet for Right Front Turn Signal Lamp	2
S126	Near T/O for C104	16
S127	Near T/O for Idle Air Control Motor(4.0L)	4
S128 (4.0L)	Between Fuel Injector NO. 2 and Fuel Injector NO. 3	4
S128 (2.4L)	Near T/O for C103 on Engine Harness	N/S
S129	Near T/O for C104	16
S130 (4.0L)	Near T/O for C104	16
S130 (2.4L)	Near T/O for C103 on Engine Harness	N/S
S132 (4.0L)	Trans Harness	6, 12
S132 (2.4L)	Near T/O for Engine Starter Solenoid	N/S
S133 (4.0L)	Trans Harness	6, 12
S133 (2.4L)	Near T/O for Input Speed Sensor, See 4.0L	N/S
S134 (4.0L)	Near T/O for C154	16
S134 (2.4L)	Between Engine Starter Solenoid and C182	N/S
S135 (4.0L)	Near T/O for Oxygen Sensor 1/2 Downstream	N/S

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

Splice Number	Location	Fig.
S135 (2.4L)	Between Engine Starter Solenoid and C182	N/S
S136	In Battery harness near PDC	16
S137	Near T/O for Throttle Position Sensor	4
S138	Middle of Radiator Closure Panel	2
S140	Near T/O for C104	N/S
S141	Near T/O for Left Front Turn Signal Lamp, See Right	N/S
S142	Near T/O for Right Front Turn Signal Lamp	2
S143	Near T/O for Left Front Park/Turn Signal Lamp, See Right	N/S
S144	Near T/O for Right Front Park/Turn Signal Lamp	2
S145 (Export)	Near T/O for Left Front Turn Signal Lamp	N/S
S147	Between T/O's for Underhood Lamp and C103, C104	7, 8
S150	Right Headlamp T/O	2
S151	Left Headlamp T/O	N/S
S152	Near Left Headlamp T/O	N/S
S153	Near T/O for Camshaft Position Sensor	6
S155 (Day Time Running Lamps)	Near T/O for Day Time Running Lamp Module	7
S156	Near T/O for ABS Pump Motor	7
S157 (2.4L)	Between Engine Starter Solenoid and C181	N/S
S157 (4.0L)	Near T/O For PCM	16
S158 (2.4L)	Near T/O For Power Steering Pressure Switch	N/S
S159 (2.4L)	Near T/O For Power Steering Pressure Switch	N/S
S160 (2.4L)	In T/O for Transmission Control Module	N/S
S161 (2.4L)	Near T/O for Ignition Coil Pack	N/S
S162 (2.4L)	Near T/O for Oxygen jSensor 1/1 Upstream	N/S
S162 (4.0L)	Near T/O For A/C Low Pressure Switch	16
S163	Between G101 and Right Front Wheel Speed Sensor	16
S164	Near T/O For Rer Locker Indicator Switch Inline C116	29
S170	6"(150 mm) From G100 T/O toward Brake Booster	N/S
S171	8"(200 mm) From Batt Temp Sensor T/O toward G101	N/S
S172	Between G100 and C103	N/S
S173	Near G100	N/S
S176	In Fuel InjectorHarness	N/S
S177	n Fuel InjectorHarness	N/S
S178	Near T/O for C103 on Engine Harness	N/S
S202 (LHD)	Center of Instrument Panel	20
S202 (RHD)	Center Rear of Instrument Panel	25
S204	Center Rear of Instrument Panel	24, 25
S206	Center Rear of Instrument Panel	24, 25
S207	Near Cigar Lighter T/O	24
S208	Near Blower Motor	N/S
S209	Near T/O for C202, C203, and C204	20, 25, 26

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

Splice Number	Location	Fig.
S210	Near T/O for A/C Heater Control C3	24, 27
S211	Near T/O for C202	20, 25
S212	Near T/O to Right Courtesy Lamp	20, 25
S213	Center Rear of Instrument Panel	23, 25
S214	Center Rear of Instrument Panel	23, 25
S215	Center Rear of Instrument Panel	23, 25
S216	Left Side of Instrument Panel	20
S217	Left Side of Instrument Panel	20
S302(LHD)	In T/O to Steering Column	17
S302(RHD)	Between S315 and S331, near T/O to ACM	19
S304 (LHD)	Center Rear of Dash Panel, Near Front Wiper Motor T/O	17
S304 (RHD)	Near T/O for C202 and C107	20
S309	Front of Left Door Opening	35
S310	Left Rear Quarter Panel, Near Body Grommet	19, 35
S311	Near Left Rear Lamp Assembly Connector	35, 36, 40
S315	Above Steering Column	17, 19
S316	In T/O for Rear Fog Lamp	39,40
S317	Near T/O for Left License Lamp	39, 40
S320 (LHD)	Near T/O for C107	19 35
S320 (RHD)	Near T/O for Fuse Block	19
S331 (LHD)	Near T/O to Steering Column	17
S331 (RHD)	Near T/O for Fuse Block	19
S335 (Except-Export)	Near Left Rear Lamp Assembly Connector	35
S350	Near Fuse Block	19, 35
S351	Near T/O to Sport Bar	19, 35
S352	Forward of S351	19, 35
S353	Near T/O to Body Harness	17, 40
S354(Export)	At Top of Right Kick Panel	19, 20, 35
S355 (LHD)	Near T/O to Steering Column	17
S355 (RHD)	Near T/O to Steering Column	20
S356	10"(254 mm) Forward from T/O to Rear Washer	19, 35
S357	20"(508 mm) Forward from T/O to Rear Washer	19, 35
S358	30"(762 mm) Forward from T/O to Rear Washer	19, 35
S359	Near Fuse Block	35
S360	Near T/O for Rear Window Defogger Feed	35, 36
S361	Near T/O for Rear Window Defogger Feed	35, 36

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

8015cc48

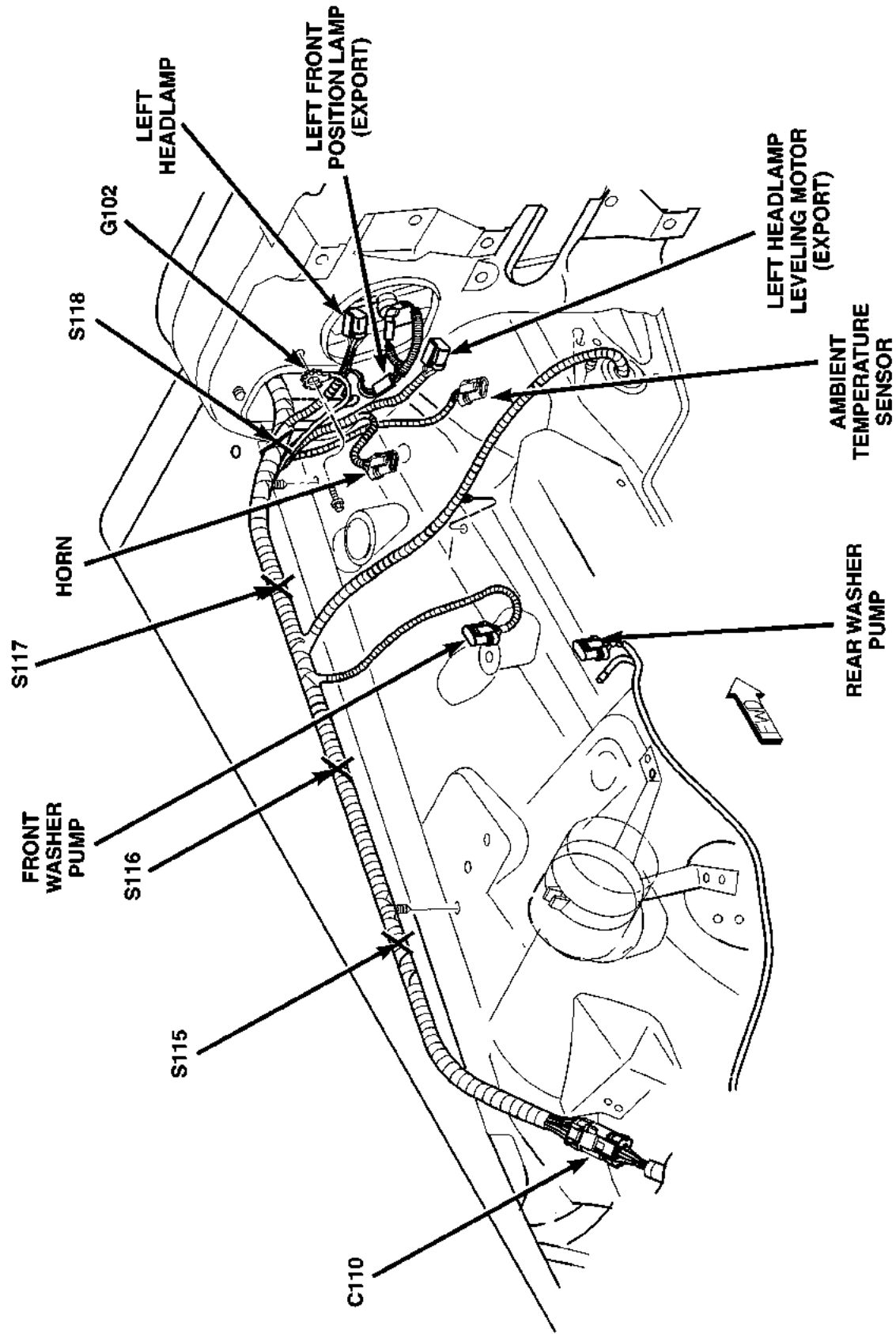


Fig. 1 LEFT HEADLAMP

80f8e8a1

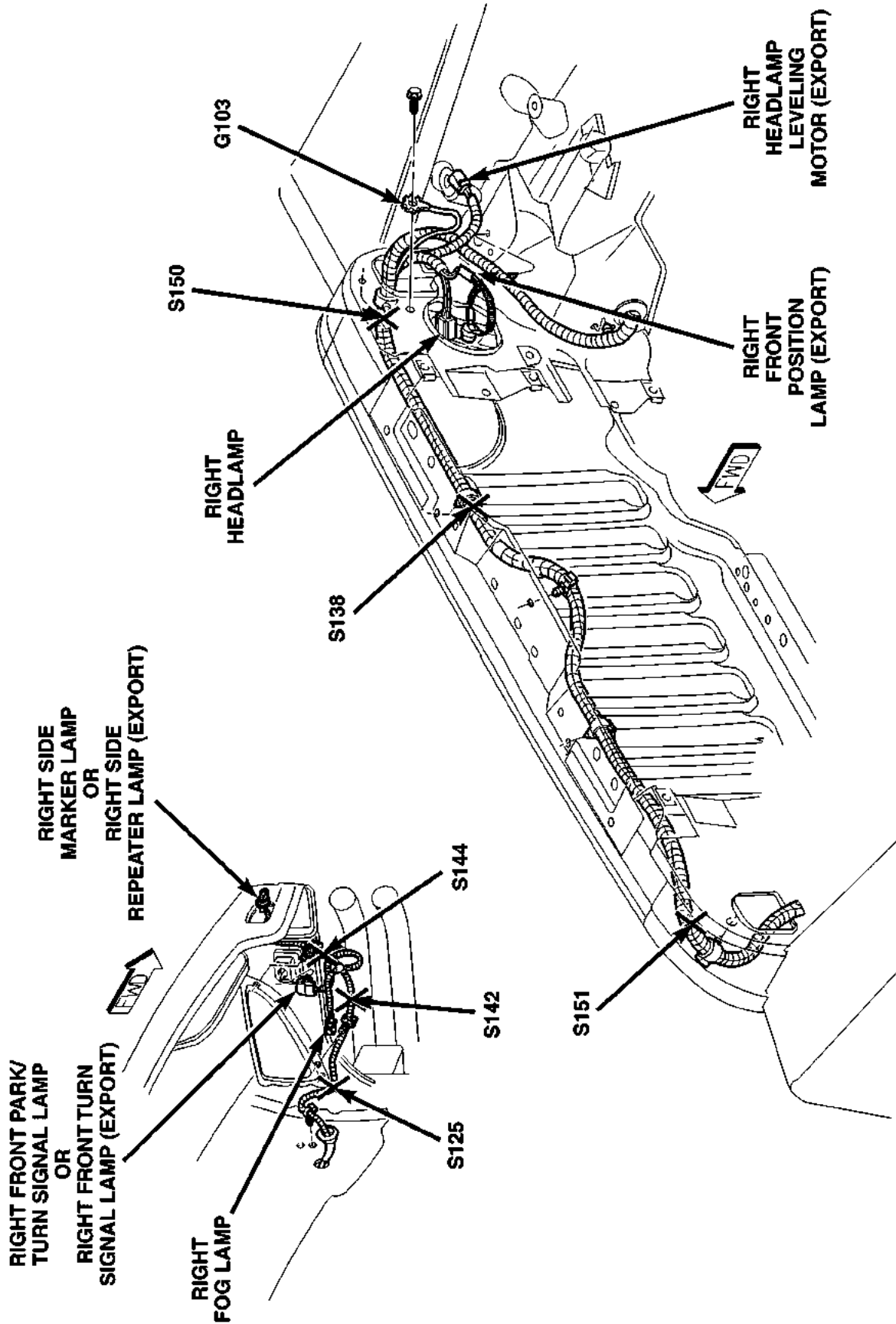


Fig. 2 RIGHT HEADLAMP

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

80159aac

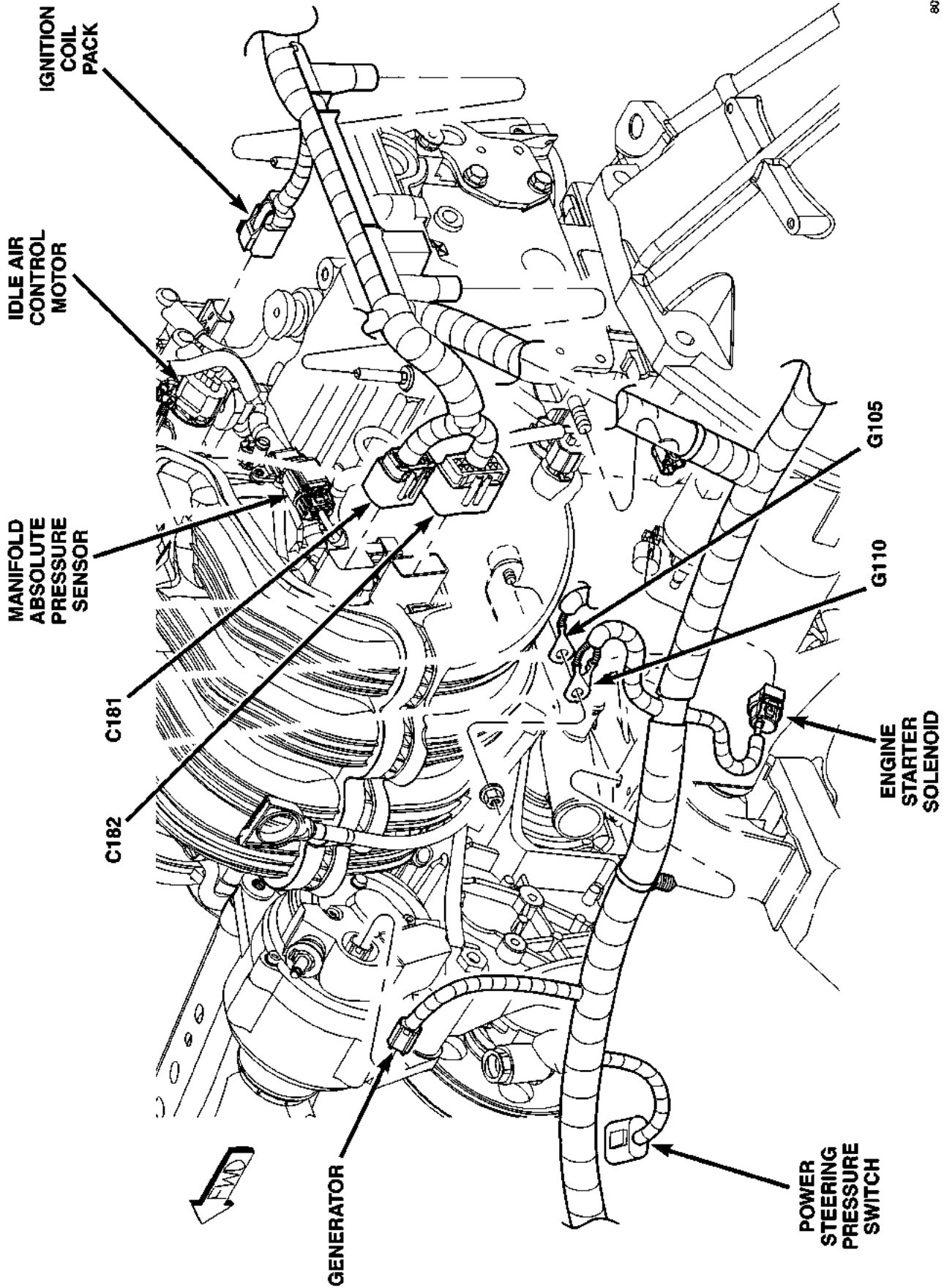


Fig. 3 2.4 LITER ENGINE LEFT SIDE

8121c91d

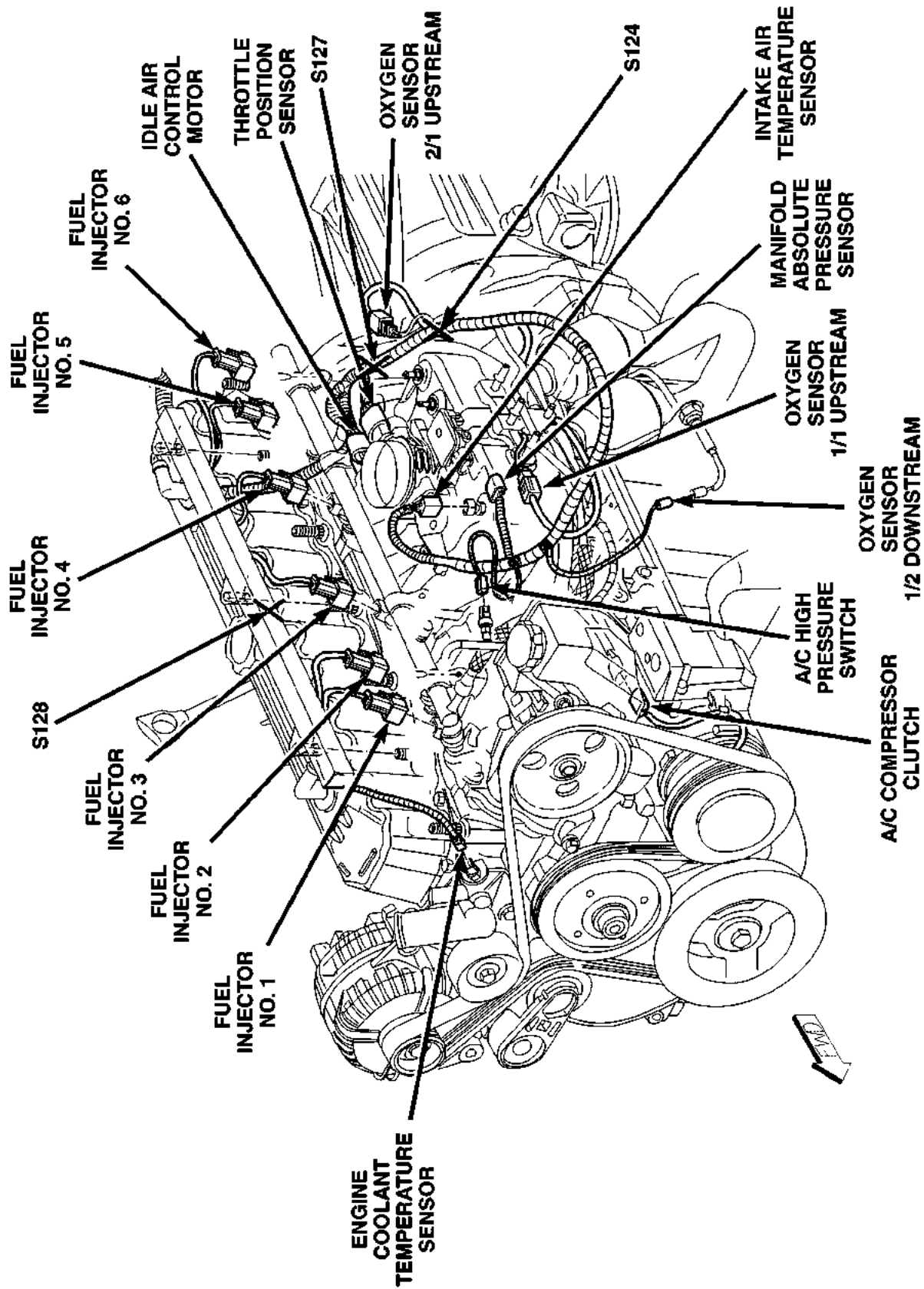


Fig. 4 4.0 LITER ENGINE LEFT SIDE

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

80867597

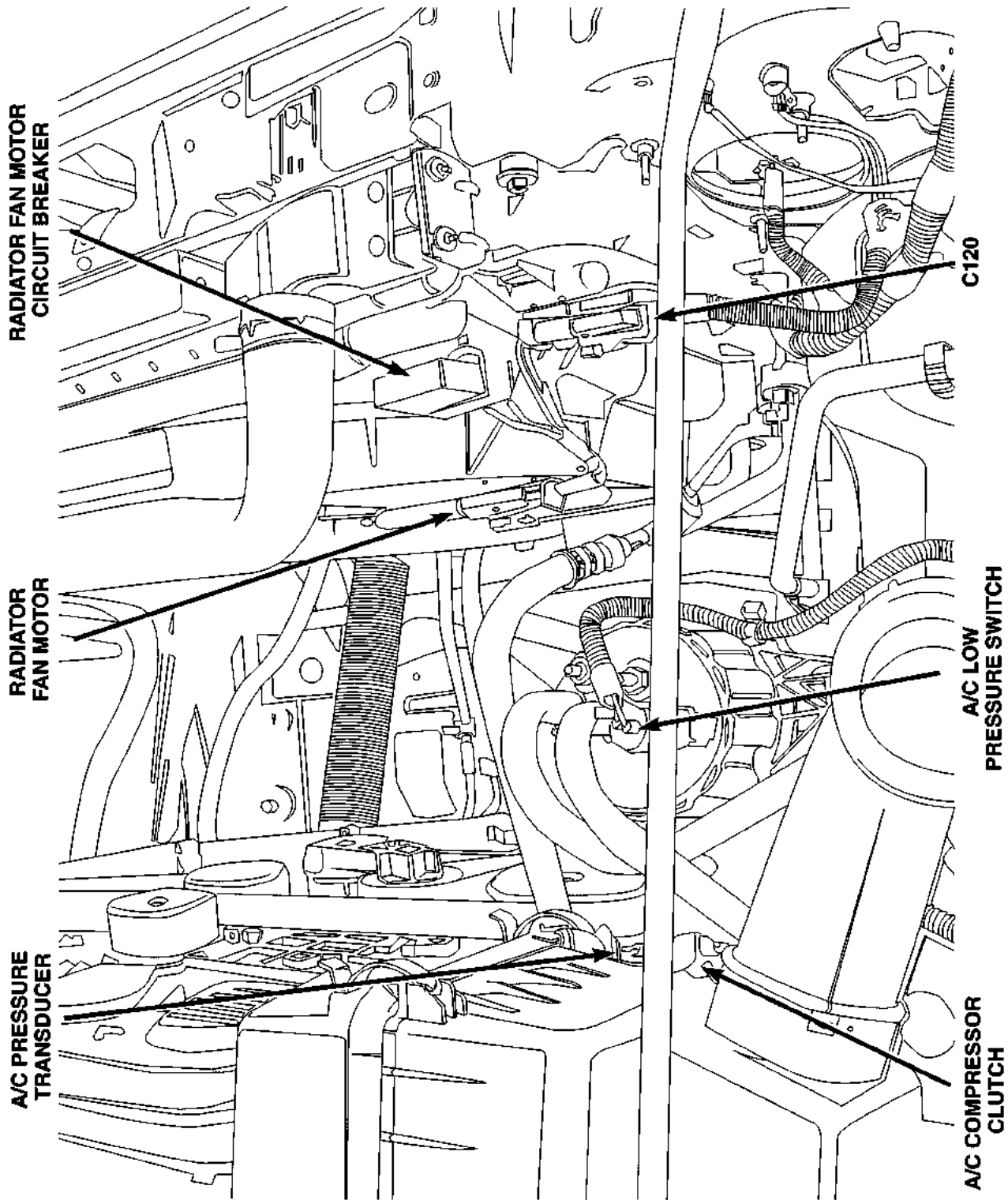


Fig. 5 2.4L A/C RIGHT SIDE

8121c925

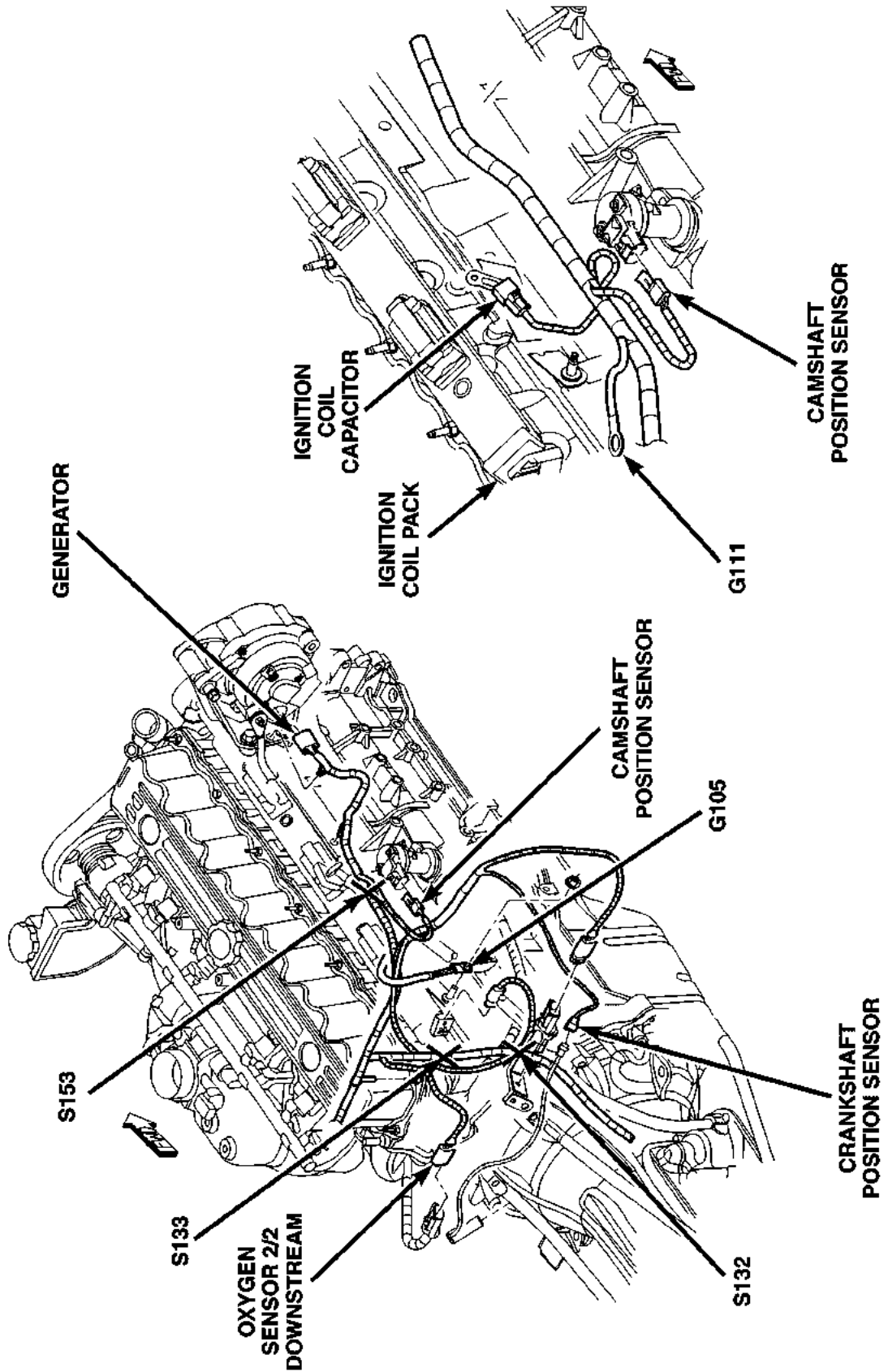


Fig. 6 4.0 LITER ENGINE RIGHT SIDE

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

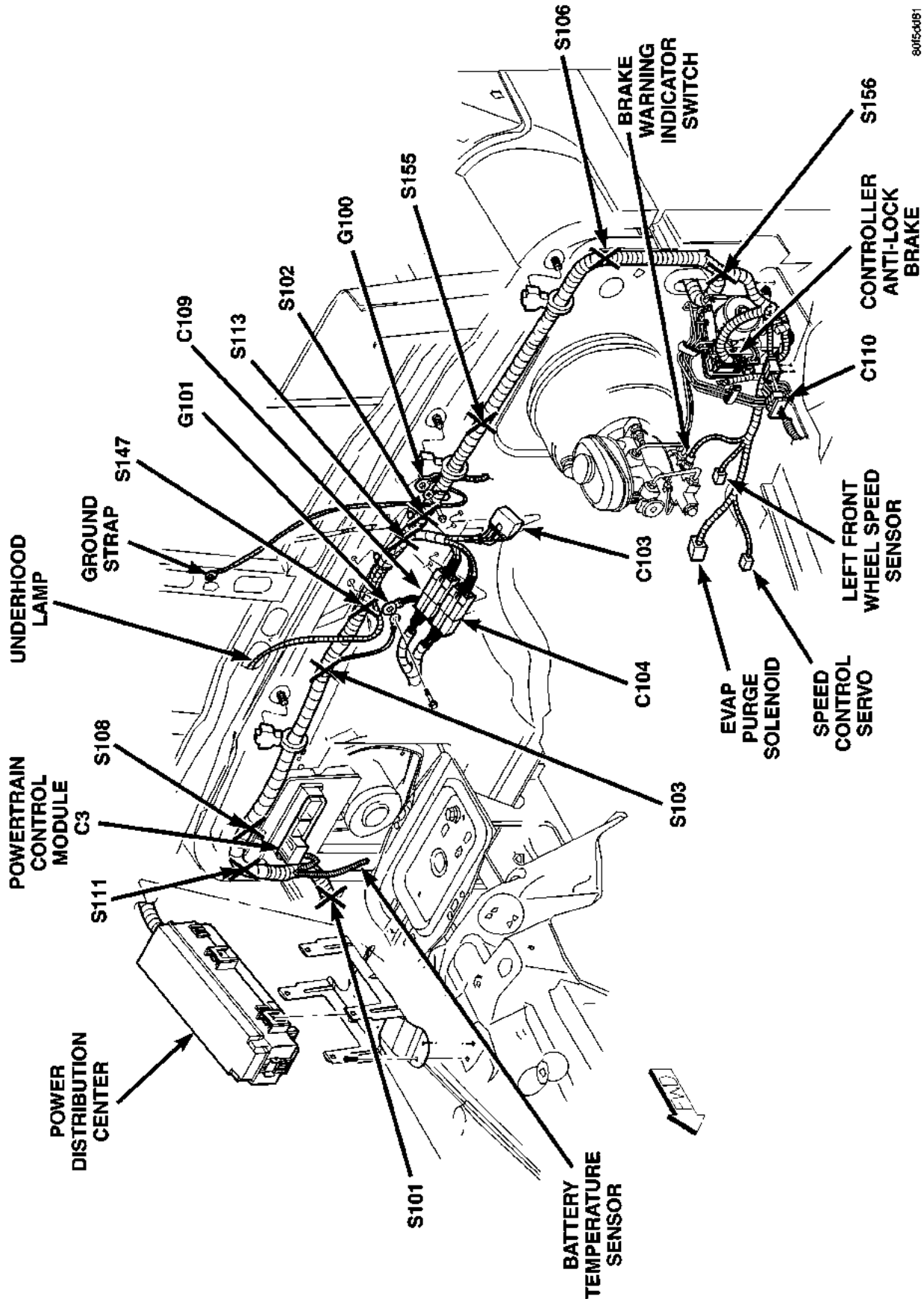


Fig. 7 ENGINE COMPARTMENT REAR LHD

807a8b63

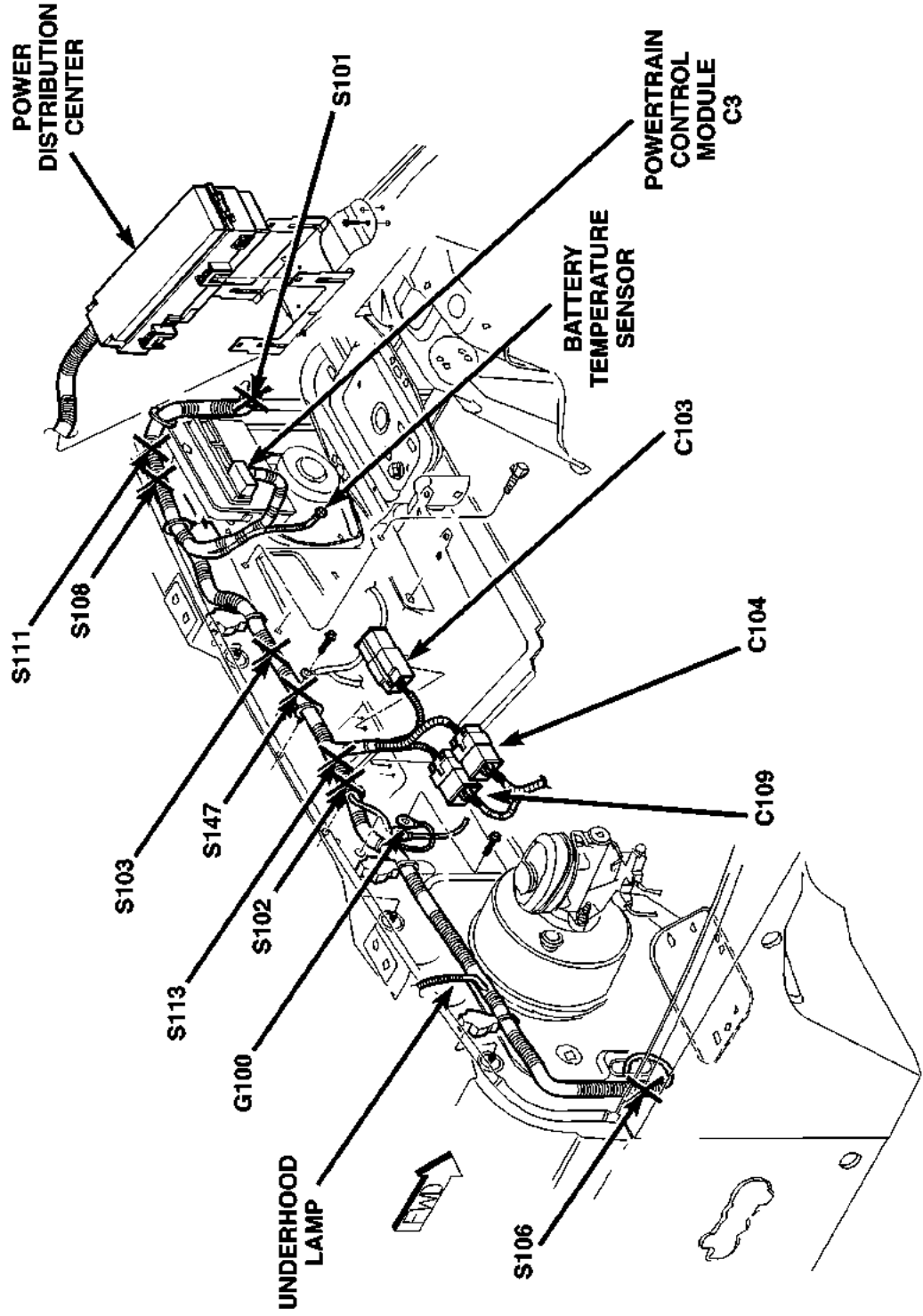


Fig. 8 ENGINE COMPARTMENT REAR RHD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

8067534

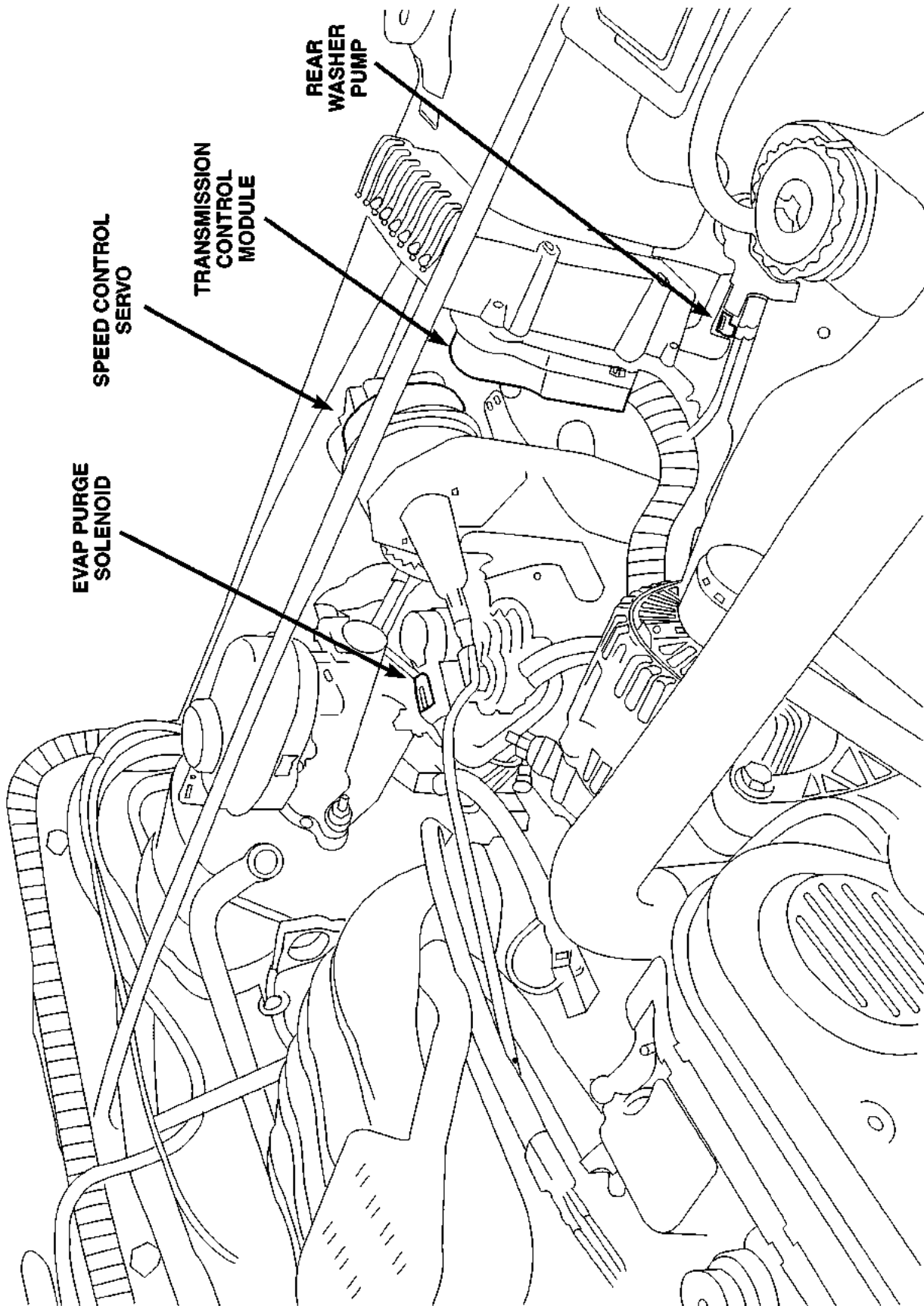


Fig. 9 LEFT FENDER SHIELD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

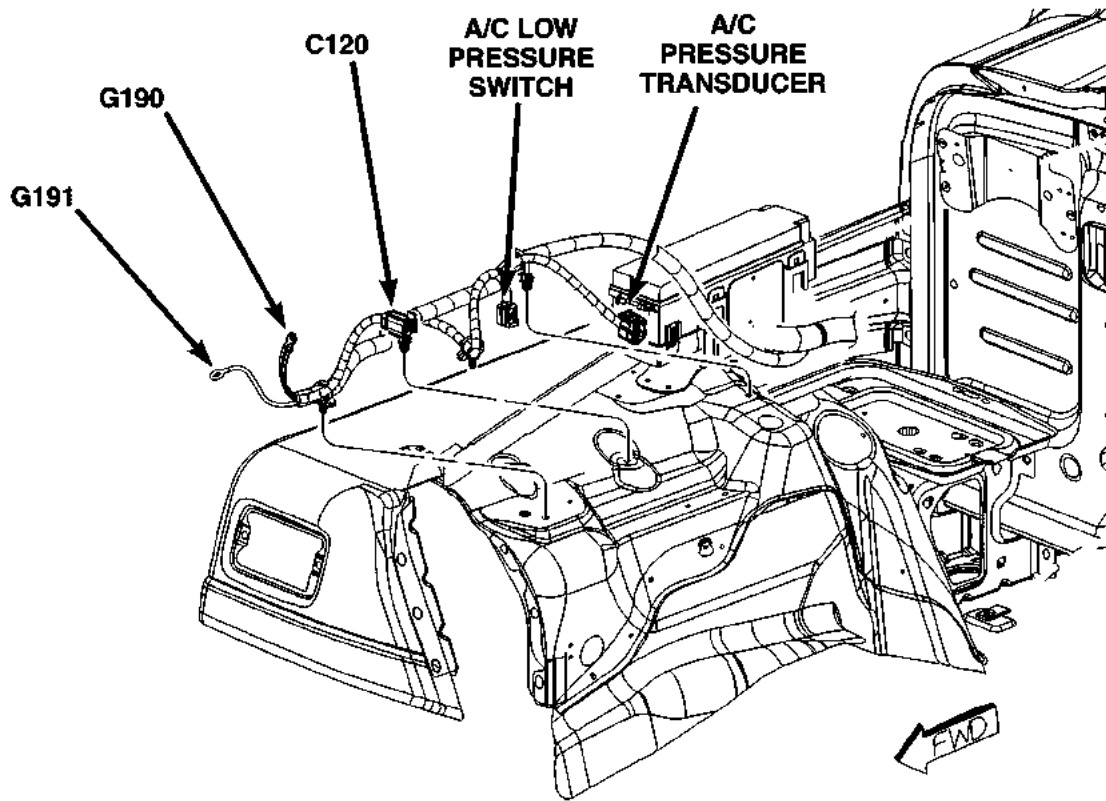


Fig. 10 2.4 LITER RIGHT FENDER SHIELD

8121c92c

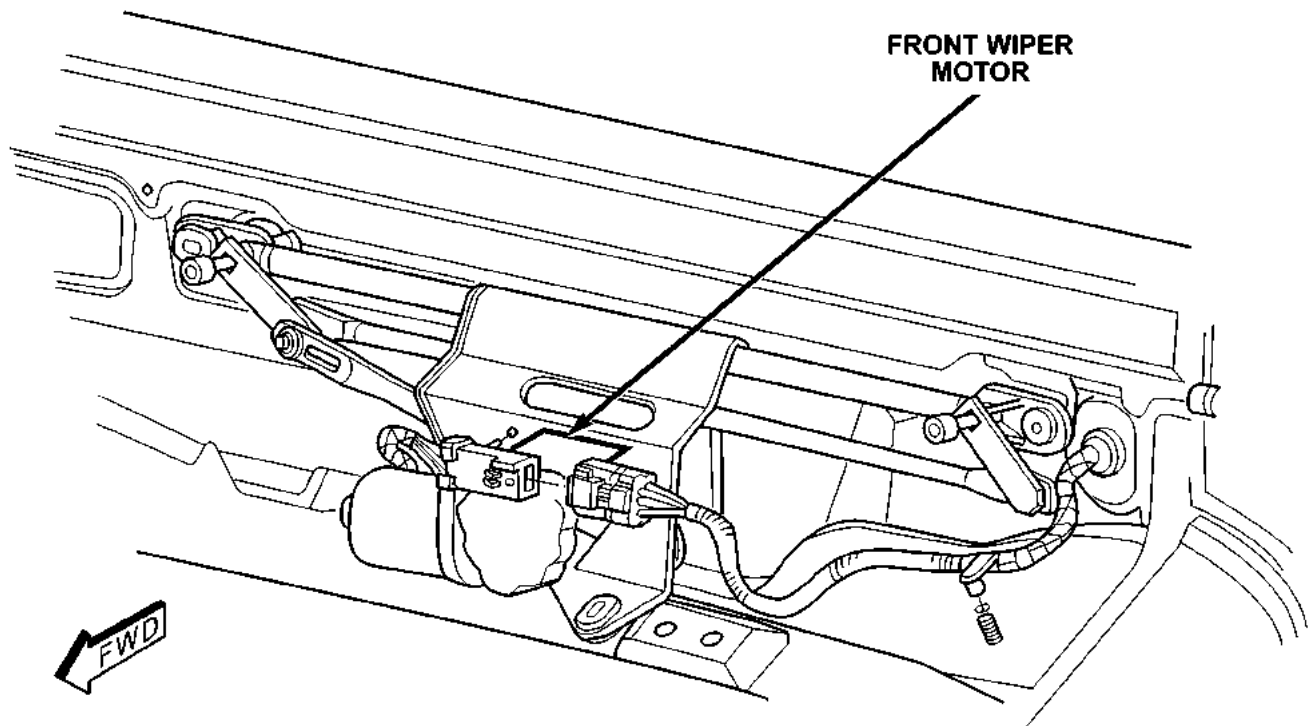


Fig. 11 FRONT WIPER MOTOR

80adec5a

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

8016743e

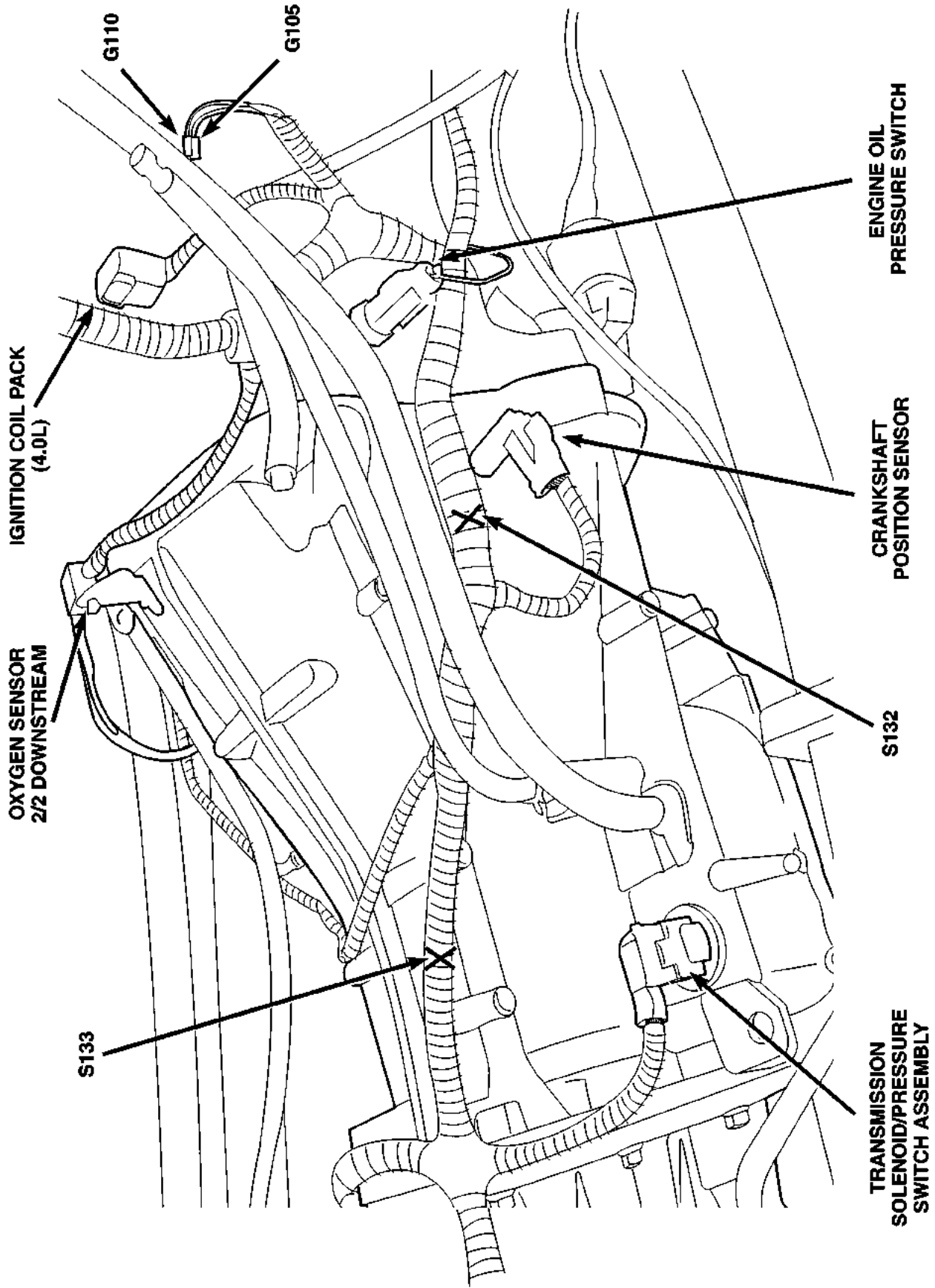


Fig. 12 4.0 LITER ENGINE AND TRANS

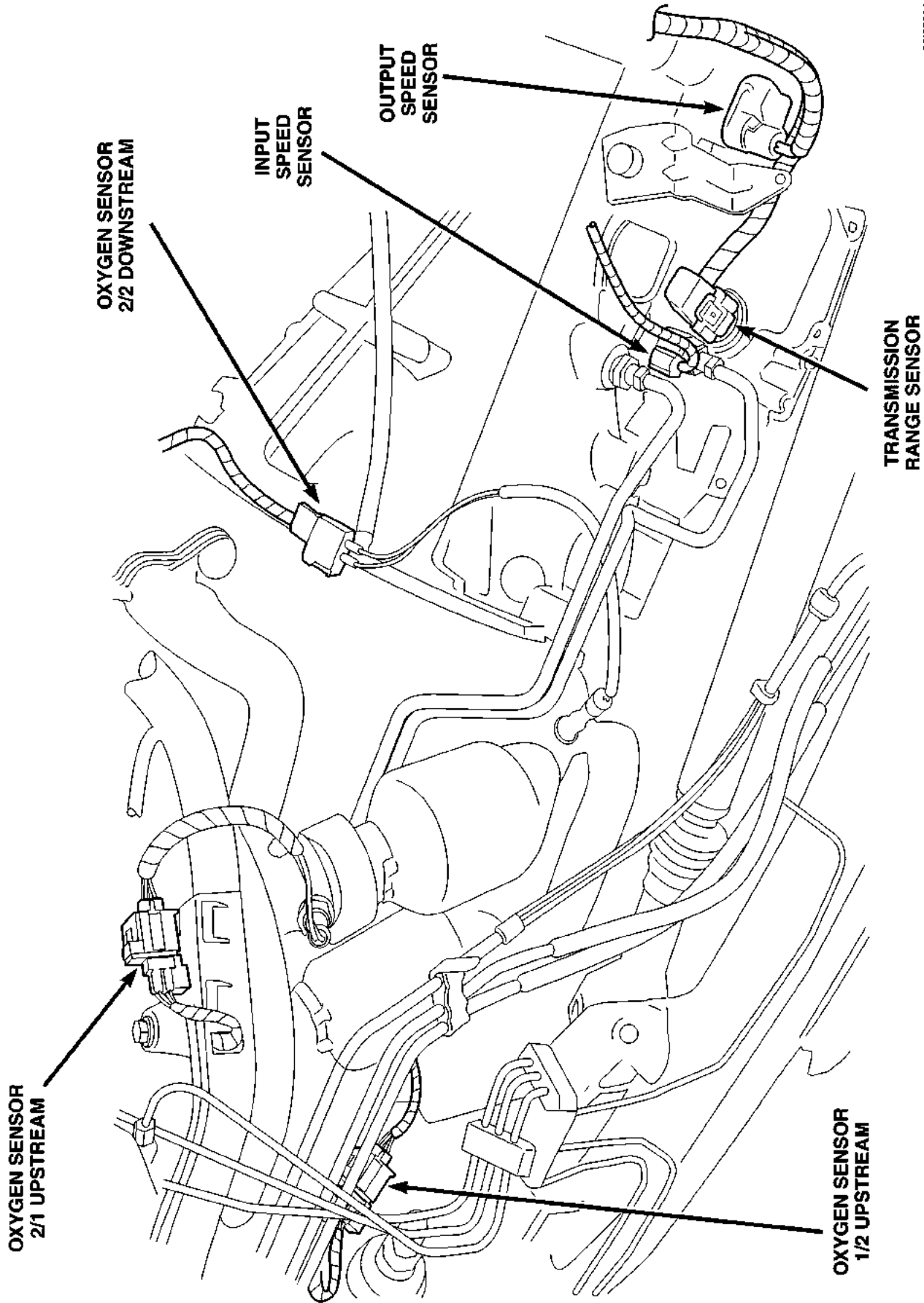


Fig. 13 4.0 LITER ENGINE AND TRANS LEFT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

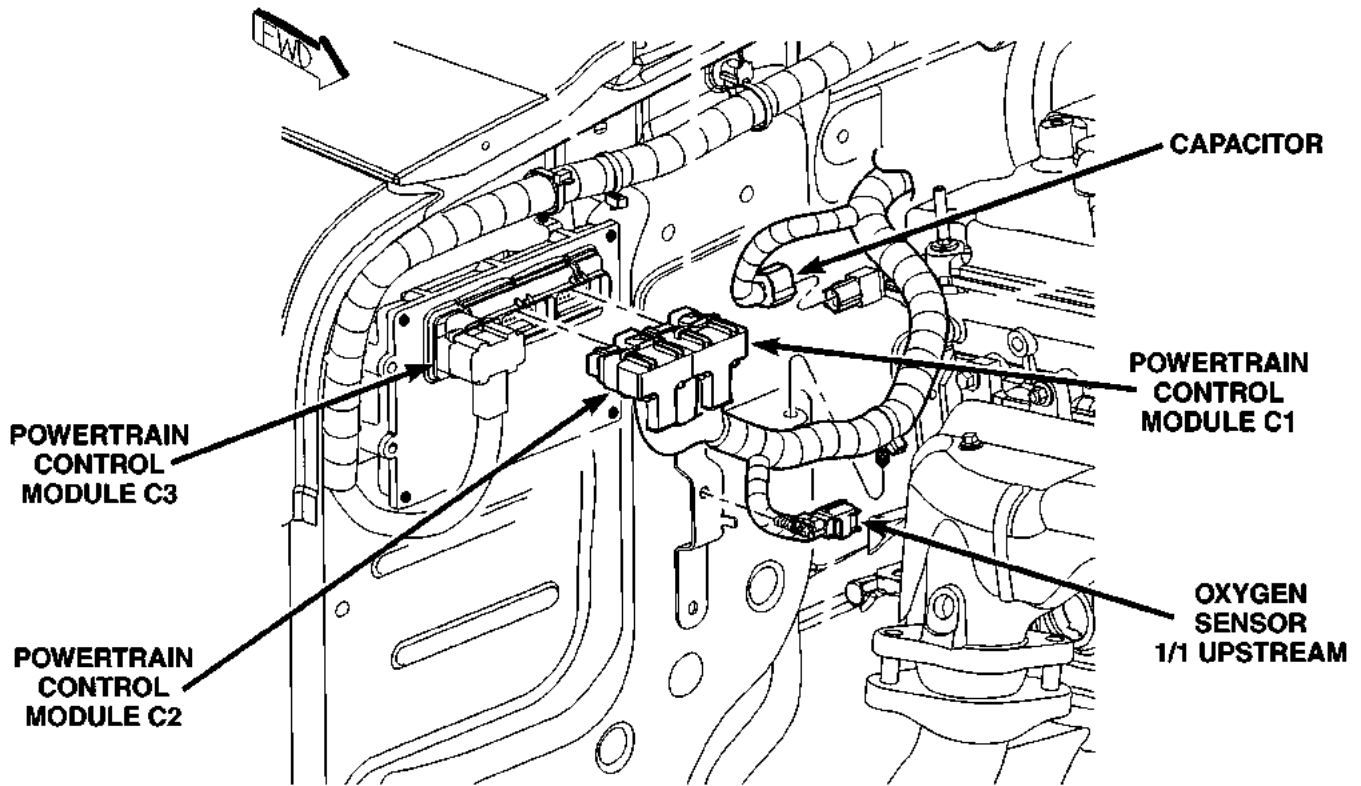


Fig. 14 2.4 LITER ENGINE PCM

80f5dlc4

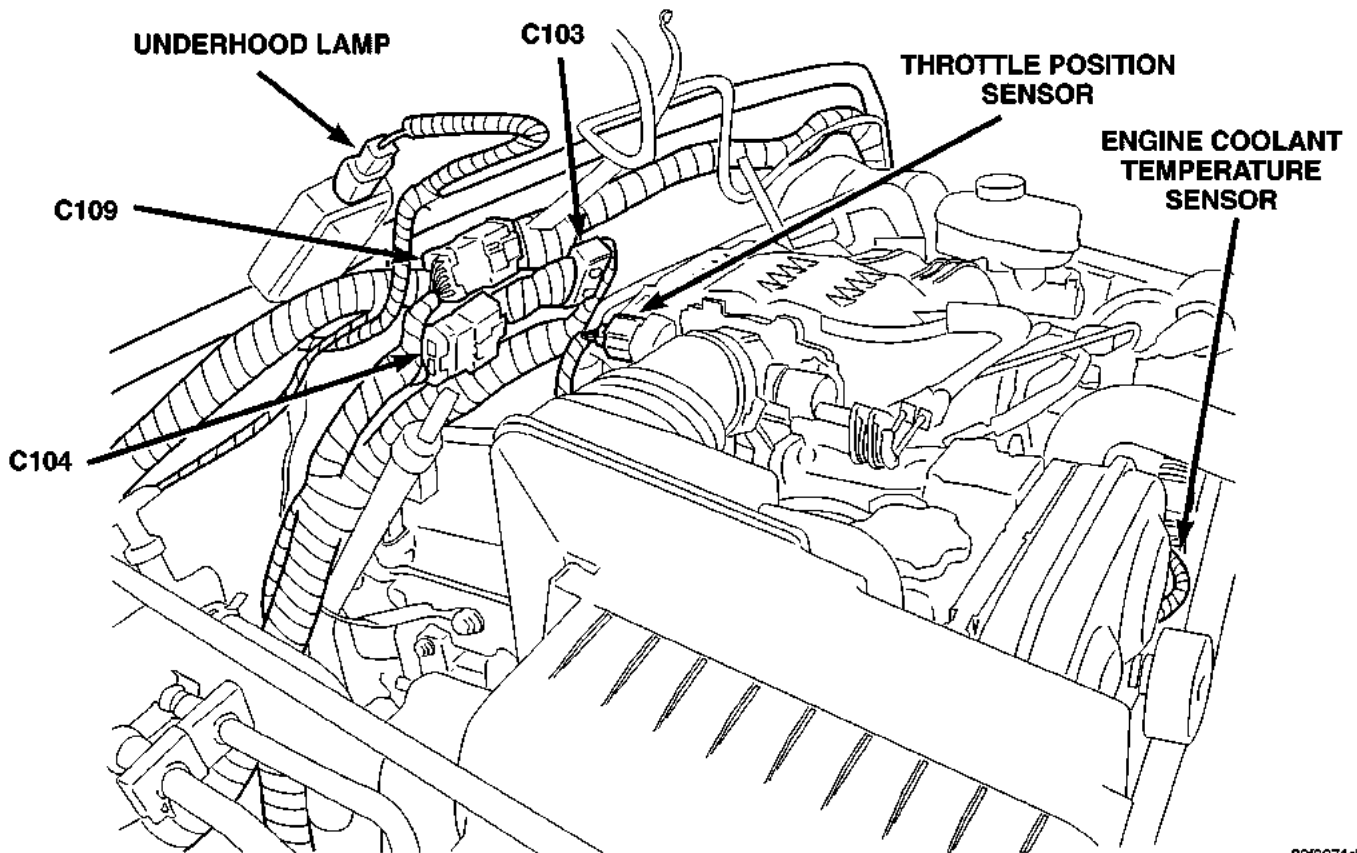
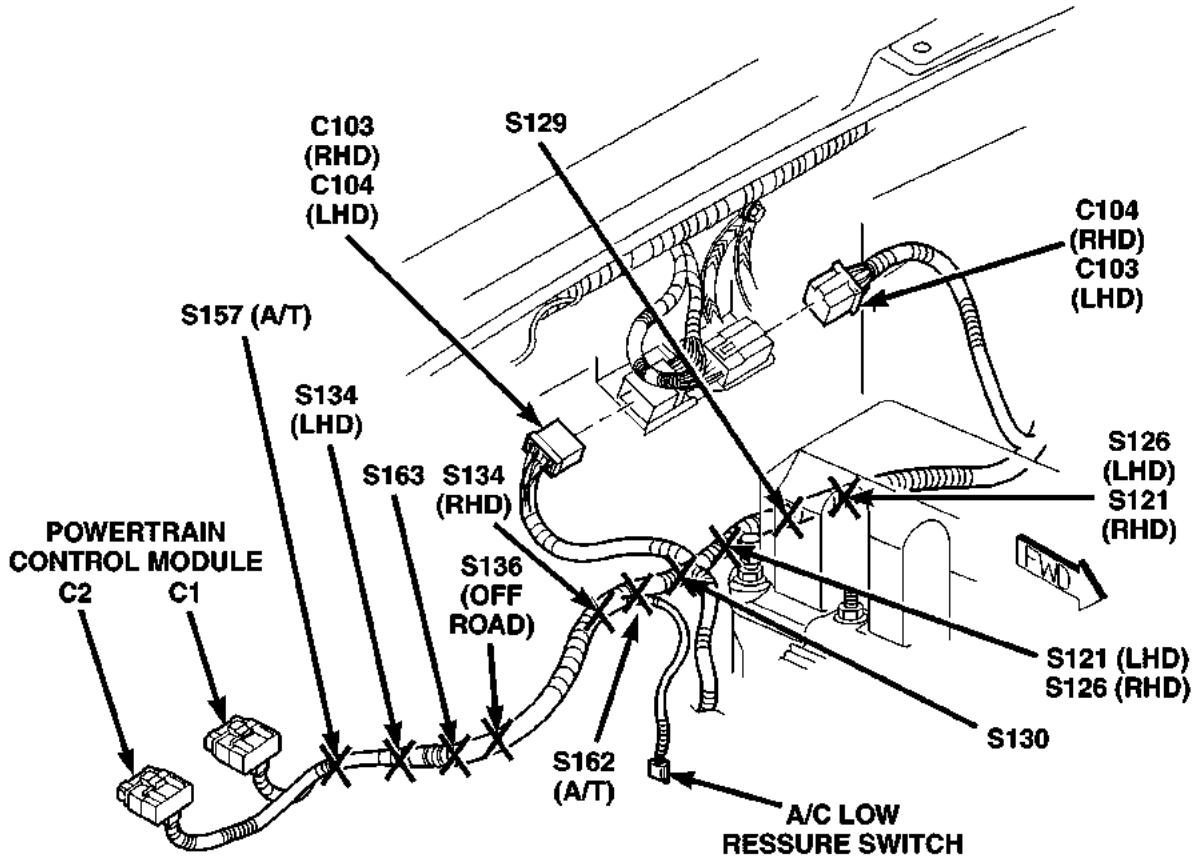


Fig. 15 2.4 LITER REAR ENGINE

80f6971d

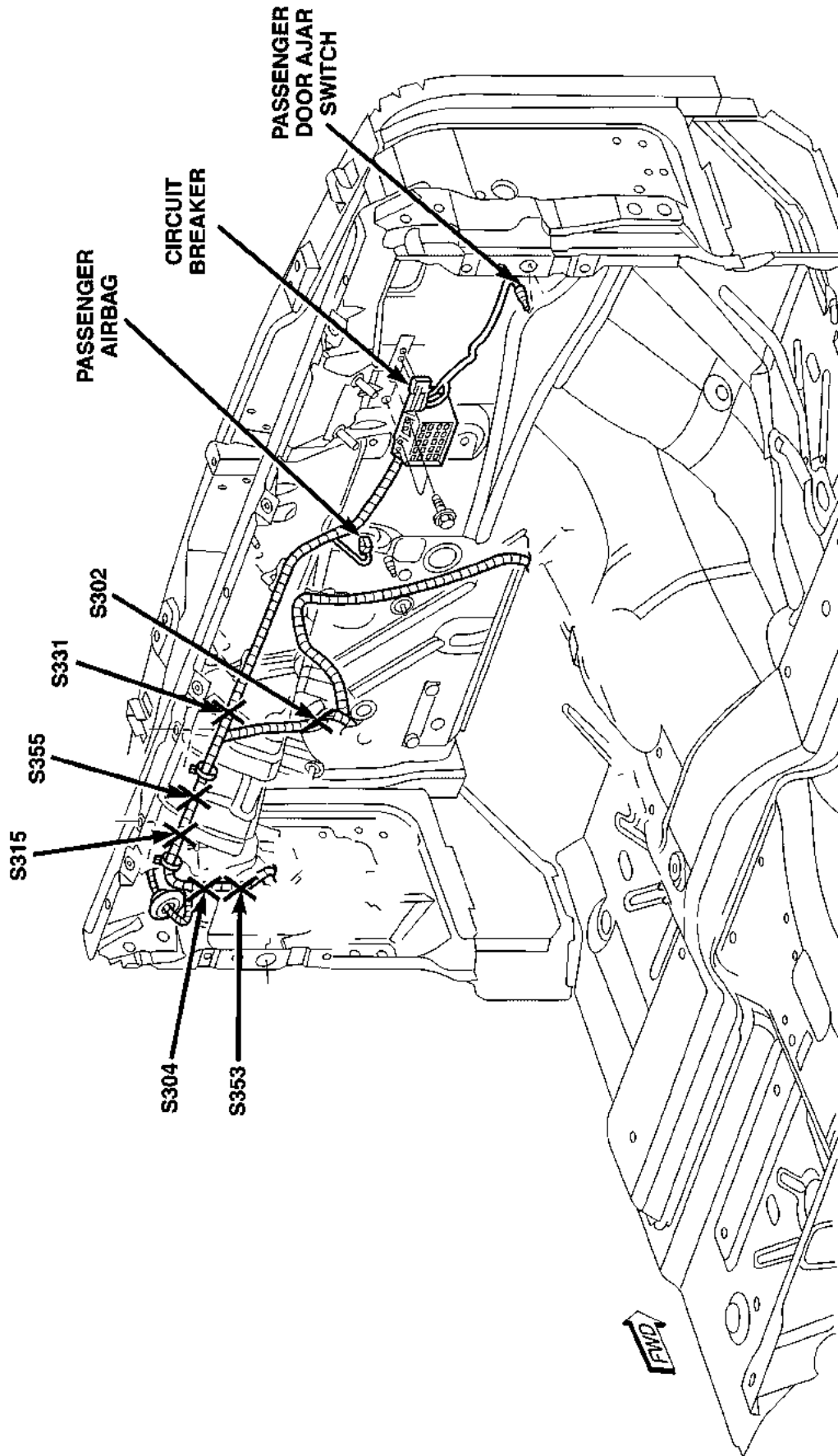
CONNECTOR/GROUND/SPLICE LOCATION (Continued)



8121c933

Fig. 16 4.0 LITER ENGINE REAR

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



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Fig. 17 DASH PANEL LHD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

8121724b

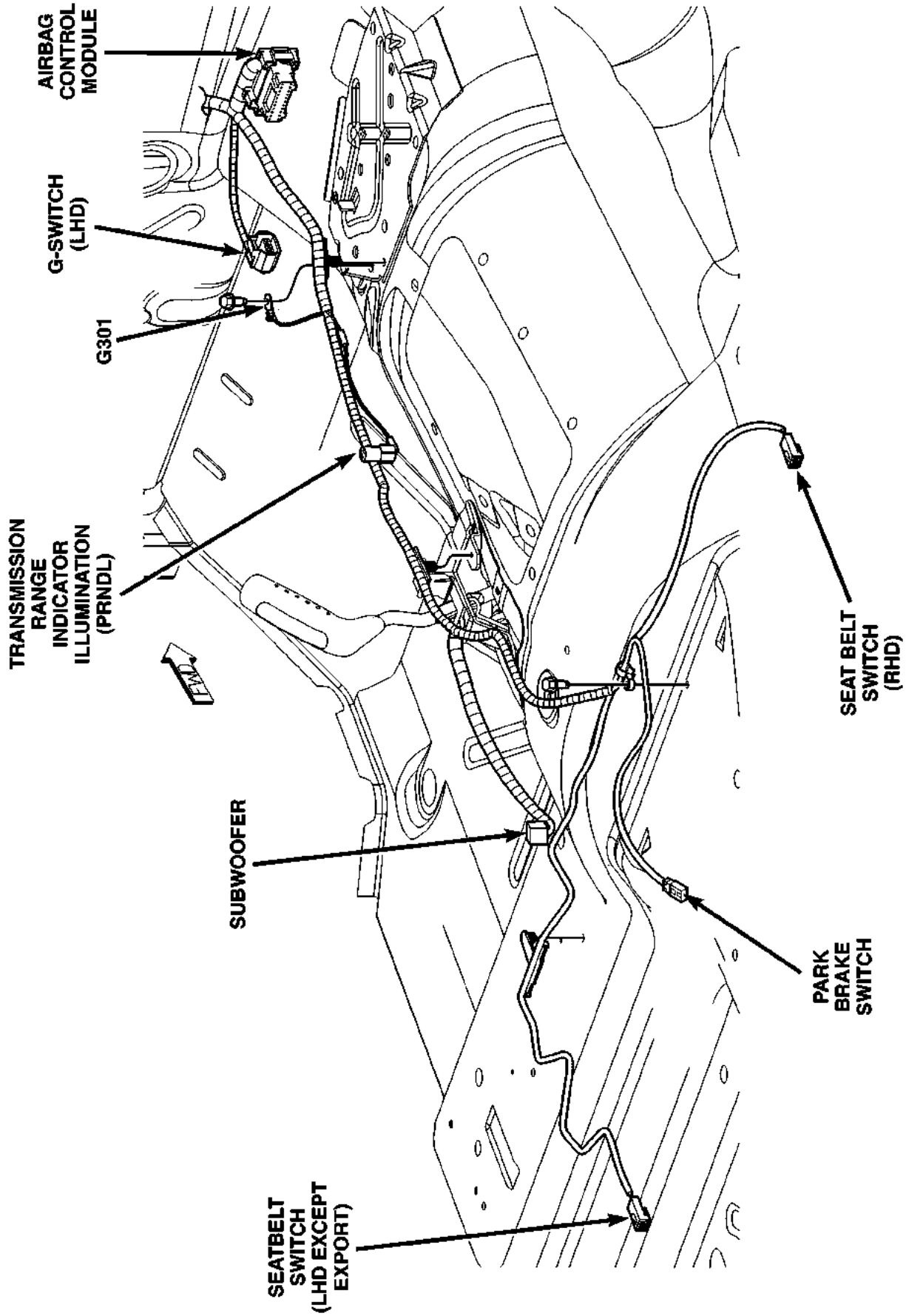


Fig. 18 BODY HARNESS

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

8121724f

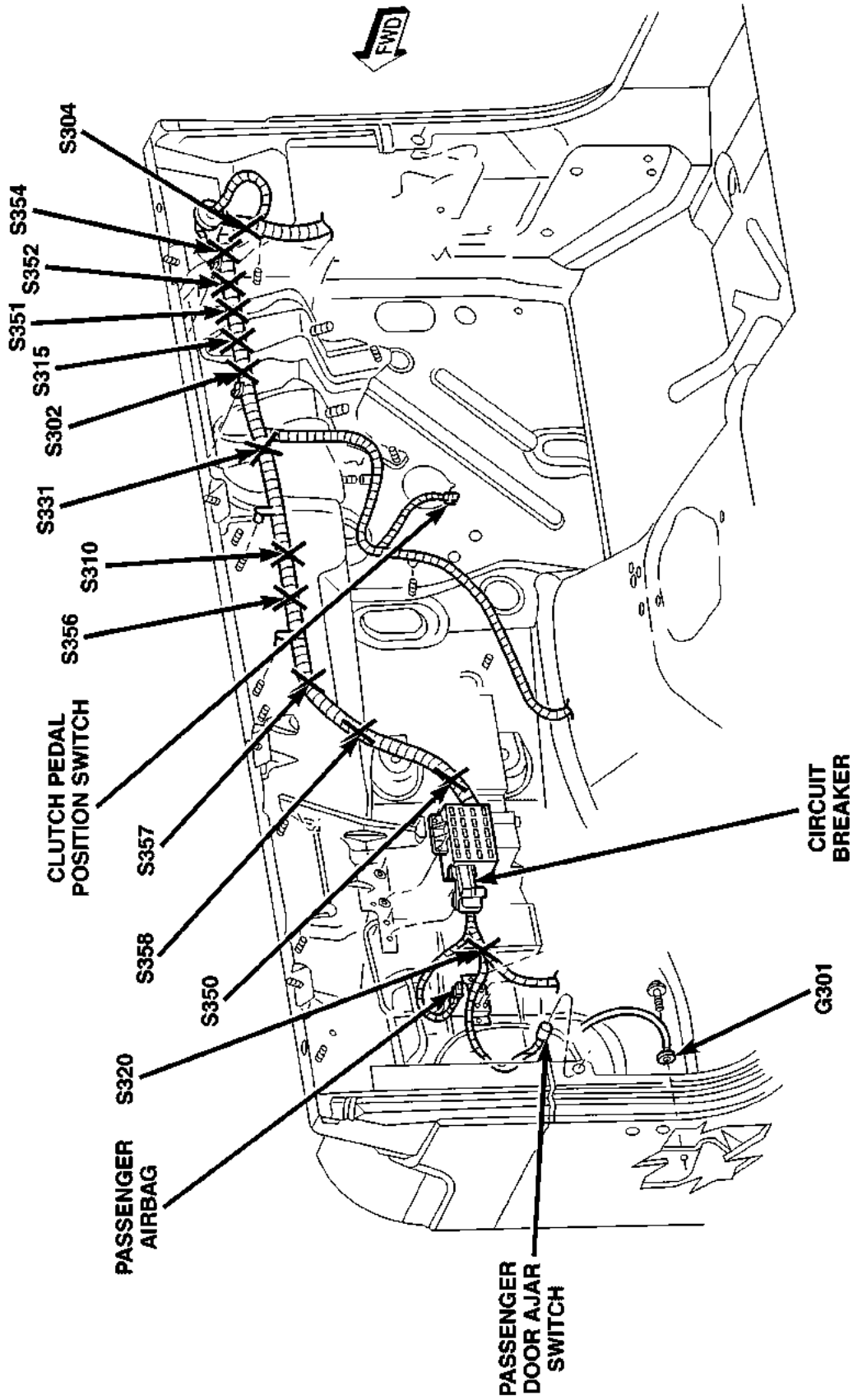


Fig. 19 DASH PANEL RHD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

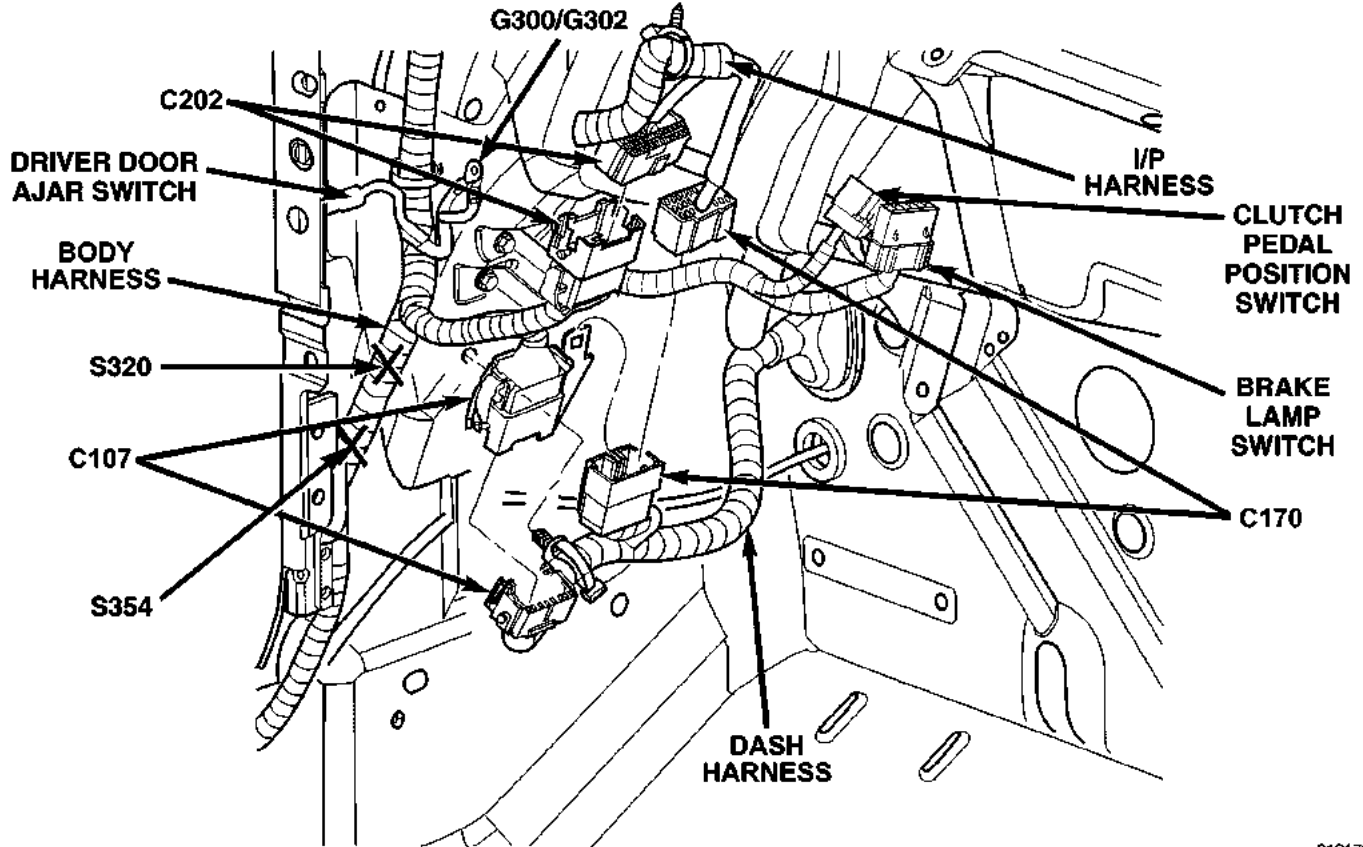


Fig. 20 LEFT COWL PANEL LHD

81217253

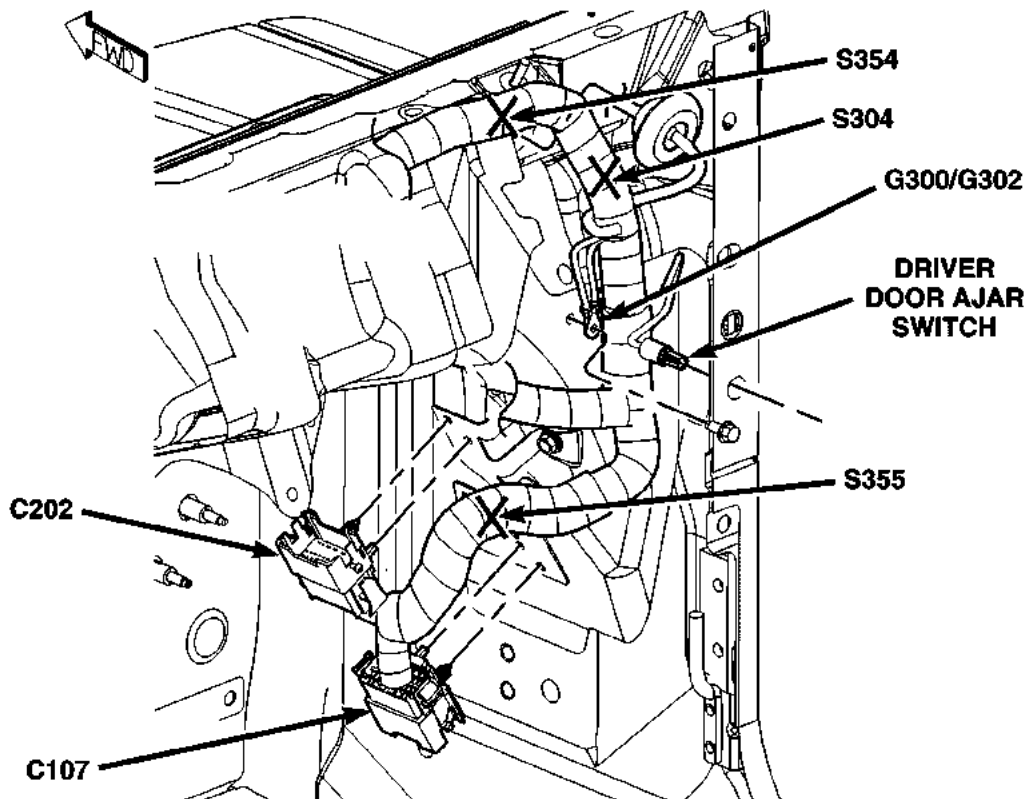


Fig. 21 RIGHT COWL PANEL RHD

81217257

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

801519.00

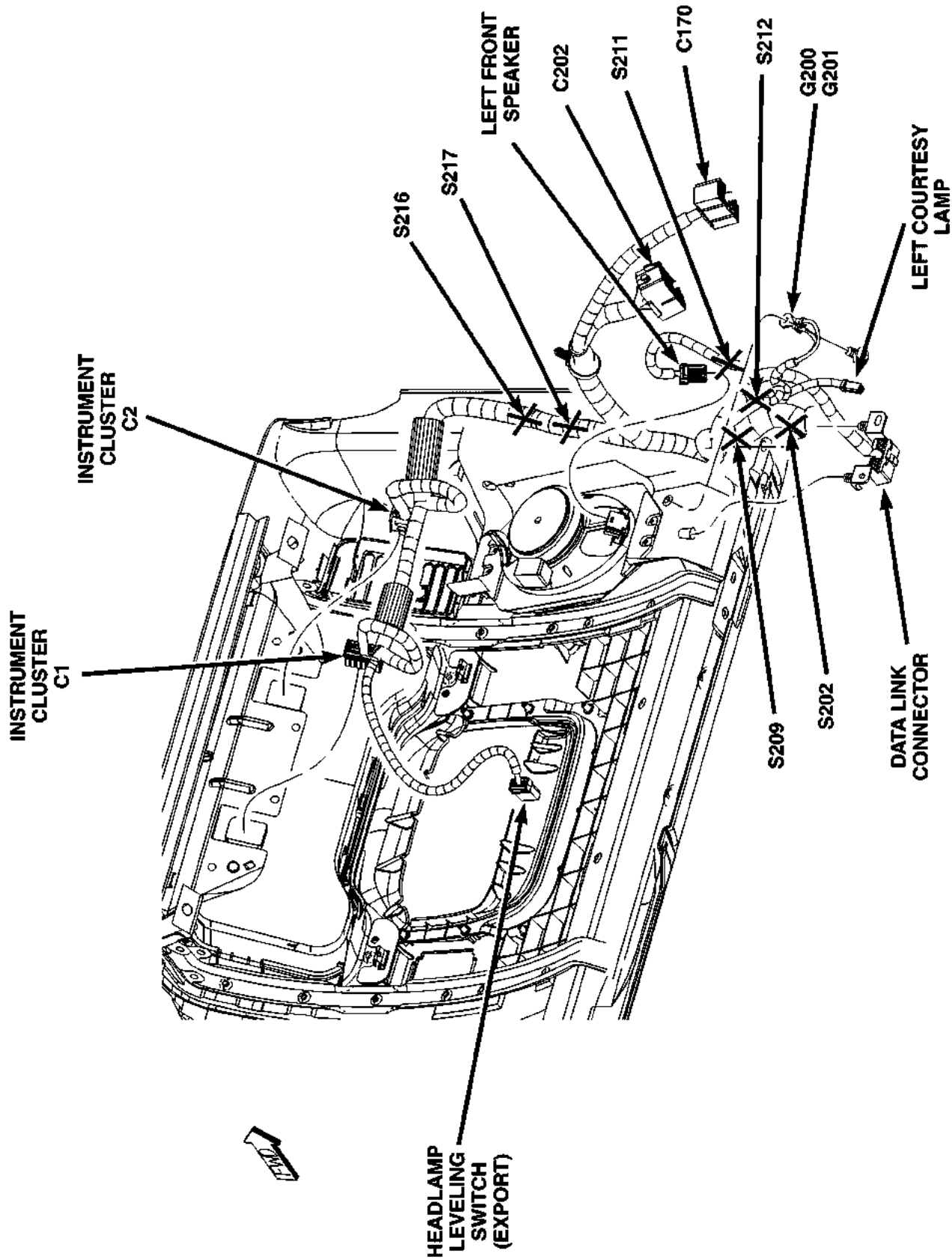


Fig. 22 LEFT SIDE INSTRUMENT PANEL LHD

80163912

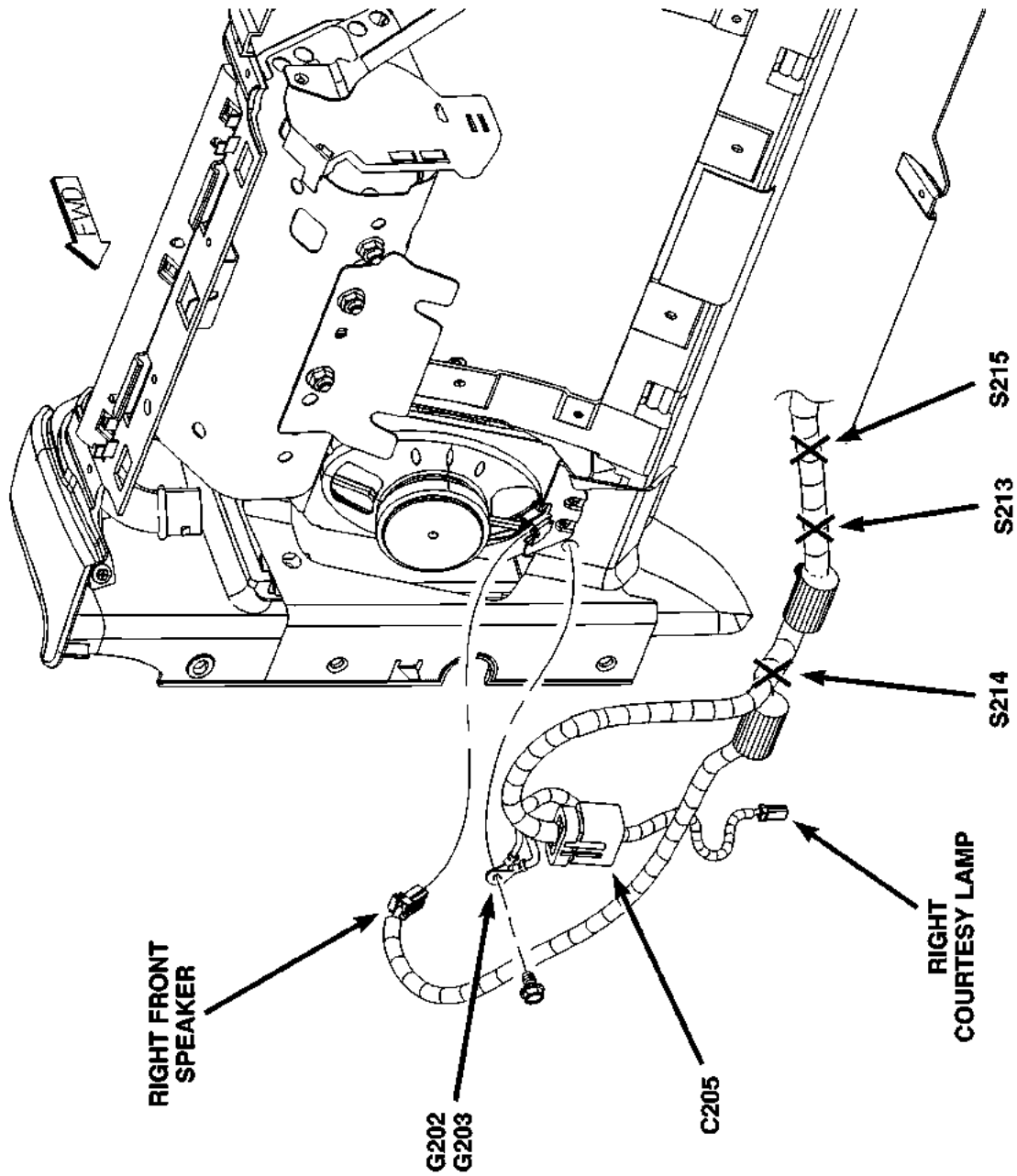
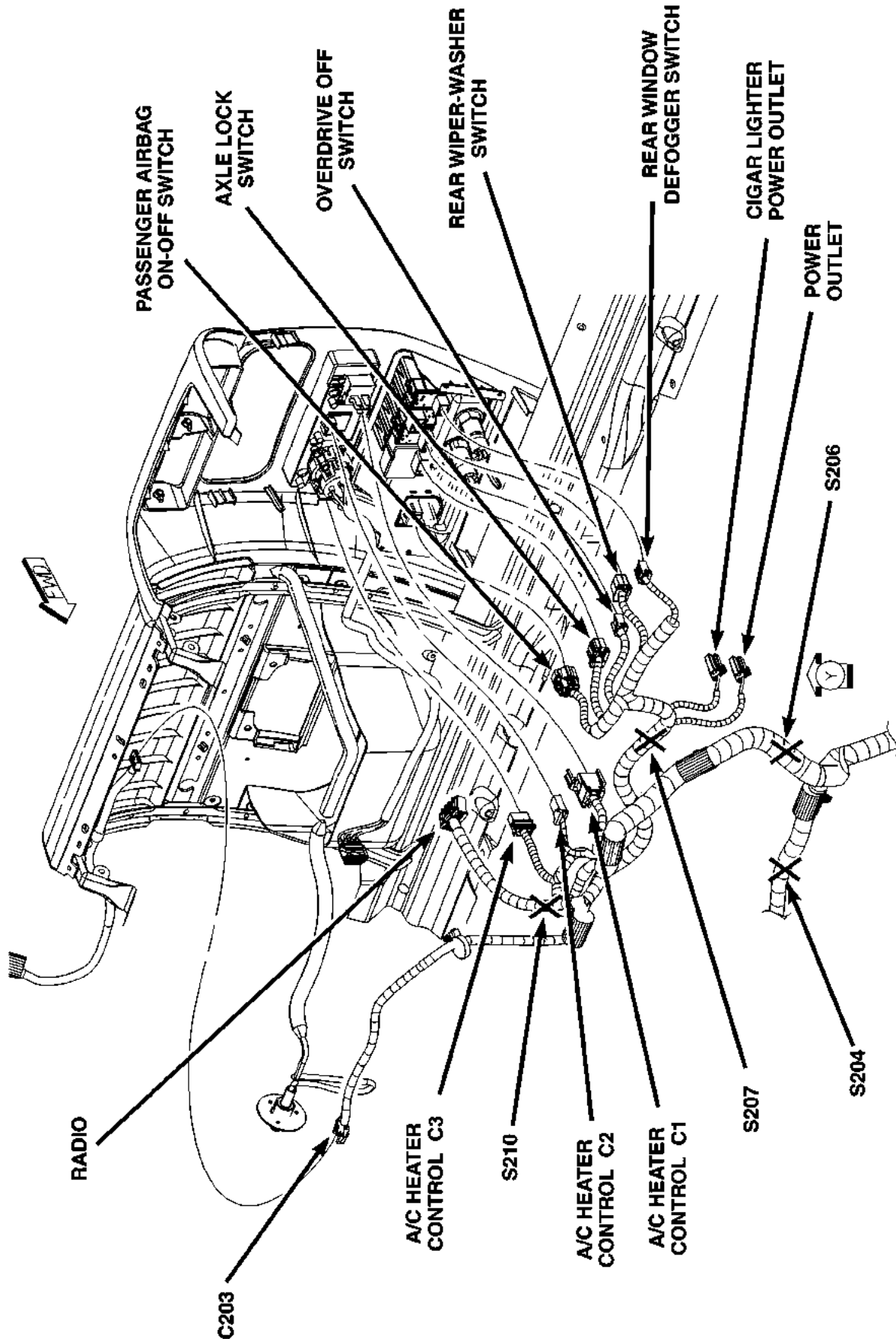


Fig. 23 RIGHT SIDE INSTRUMENT PANEL LHD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



801591D

Fig. 24 CENTER INSTRUMENT PANEL LHD

80151994

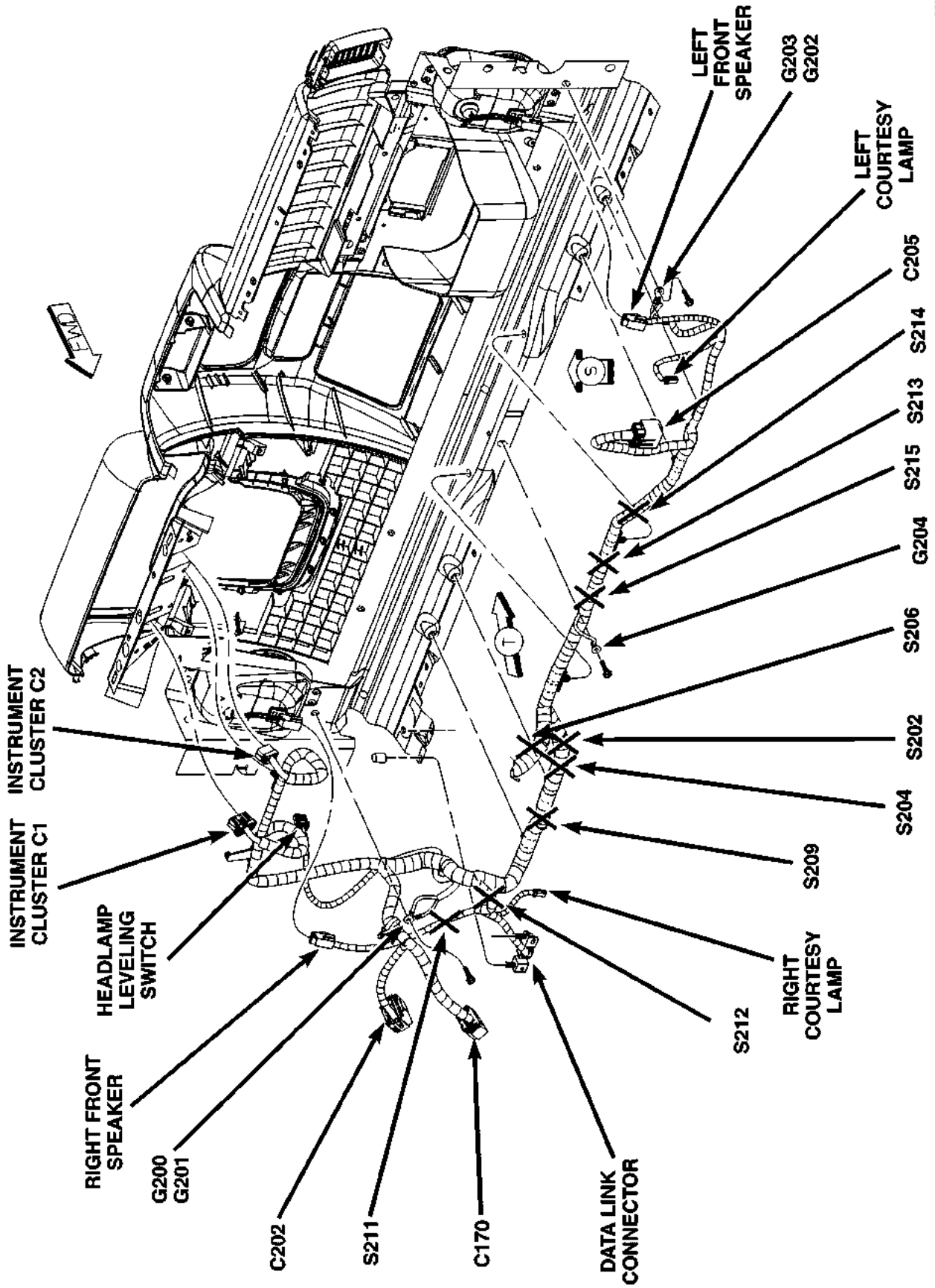


Fig. 25 INSTRUMENT PANEL RHD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

8015183a

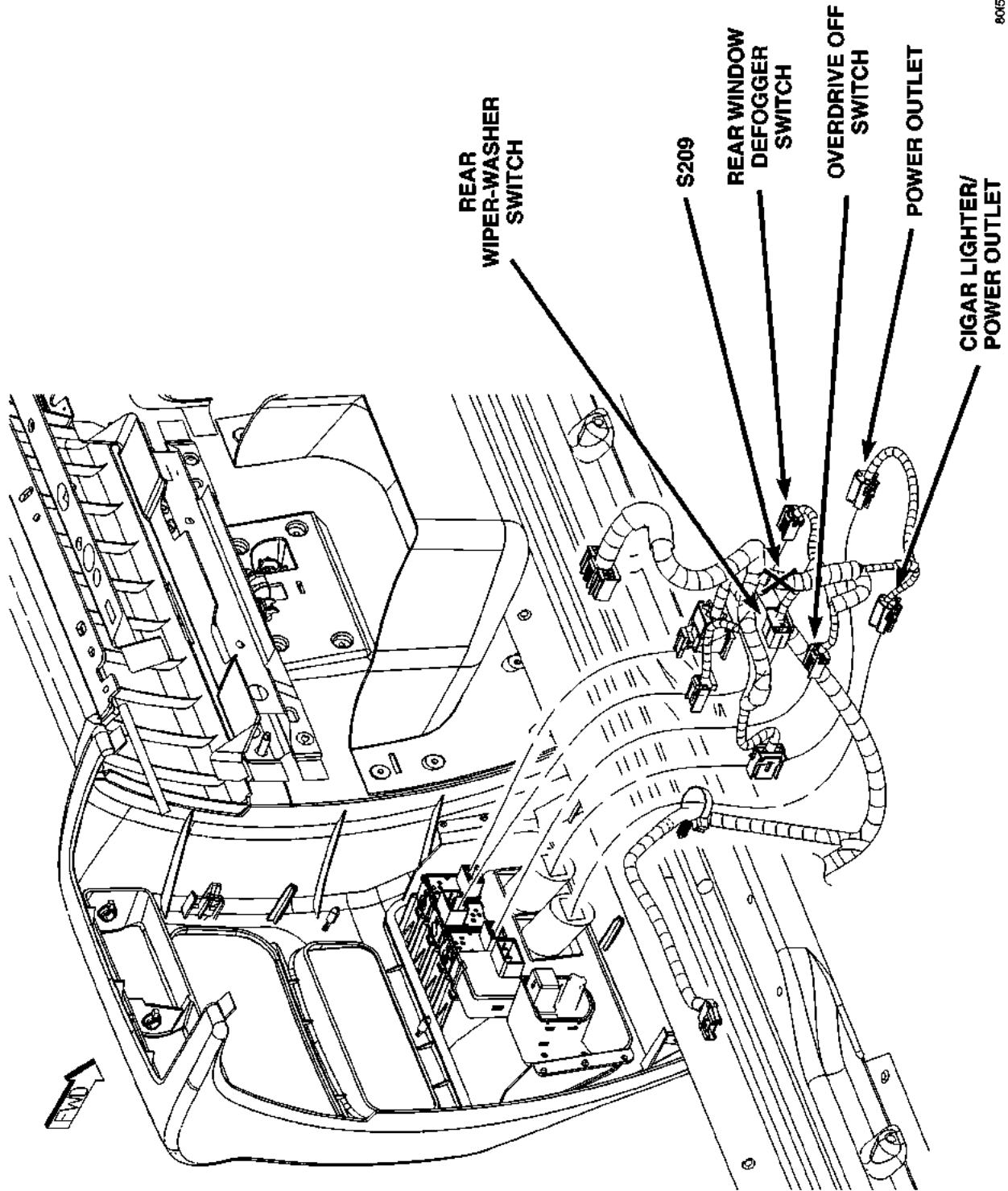


Fig. 26 CENTER INSTRUMENT PANEL RHD

601518ae

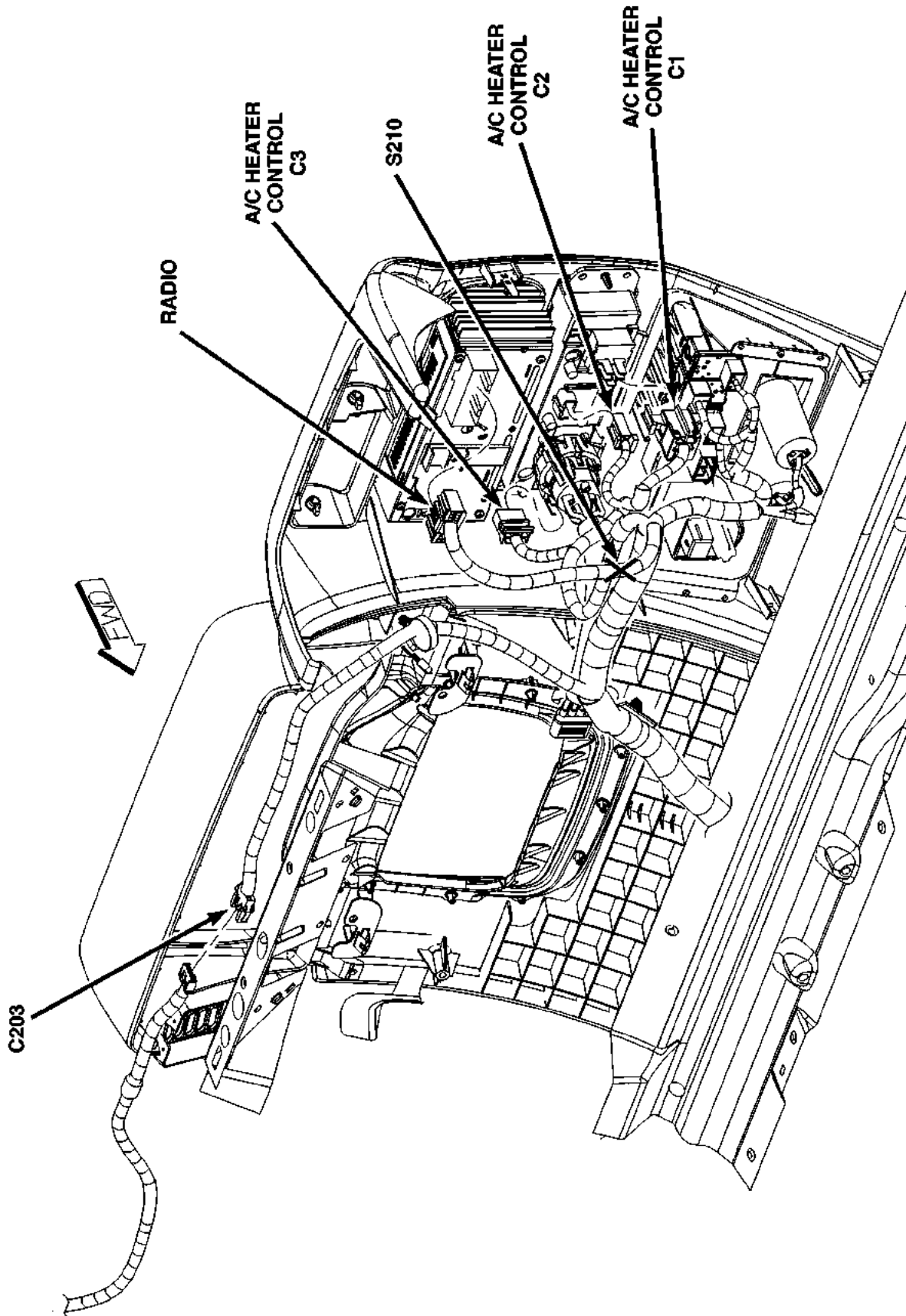
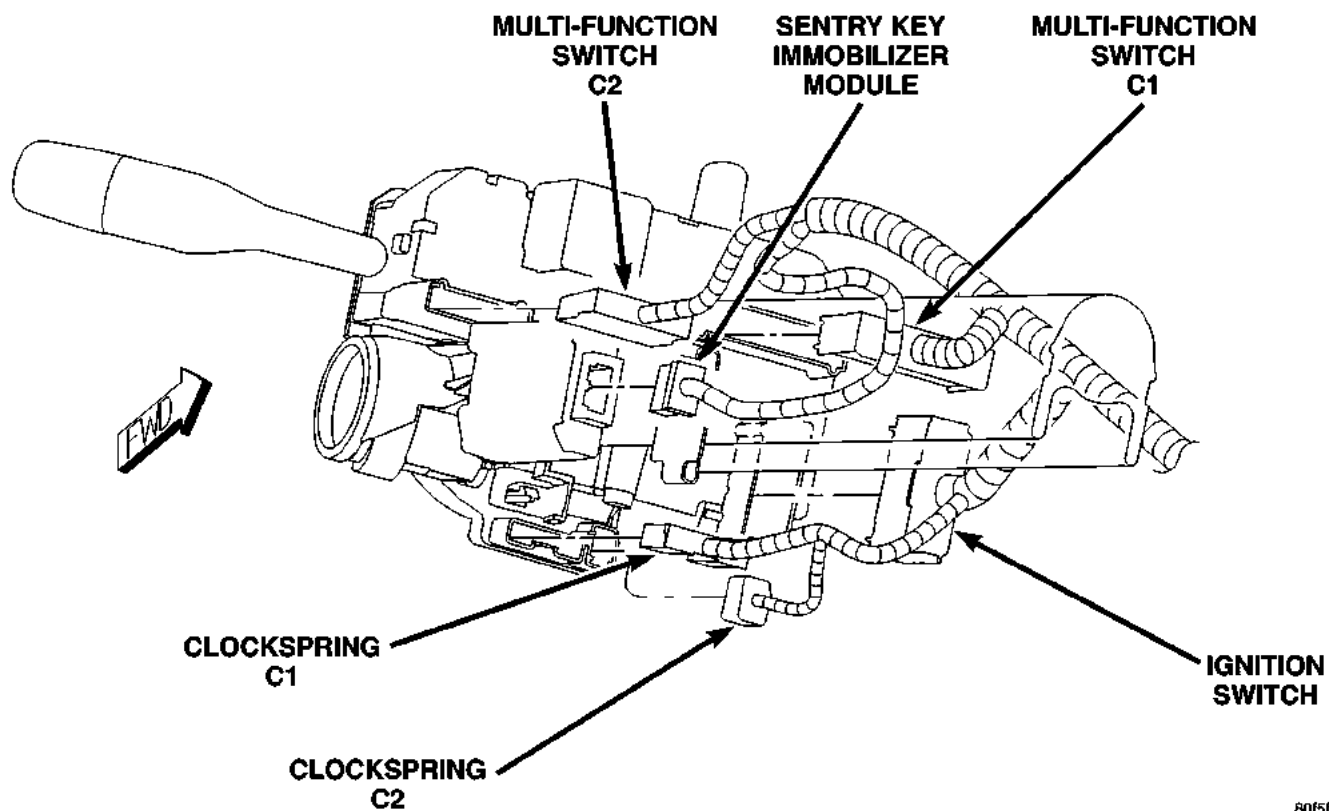


Fig. 27 RIGHT AND CENTER INSTRUMENT PANEL RHD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80f5f646

Fig. 28 STEERING COLUMN CONNECTIONS

8018746C

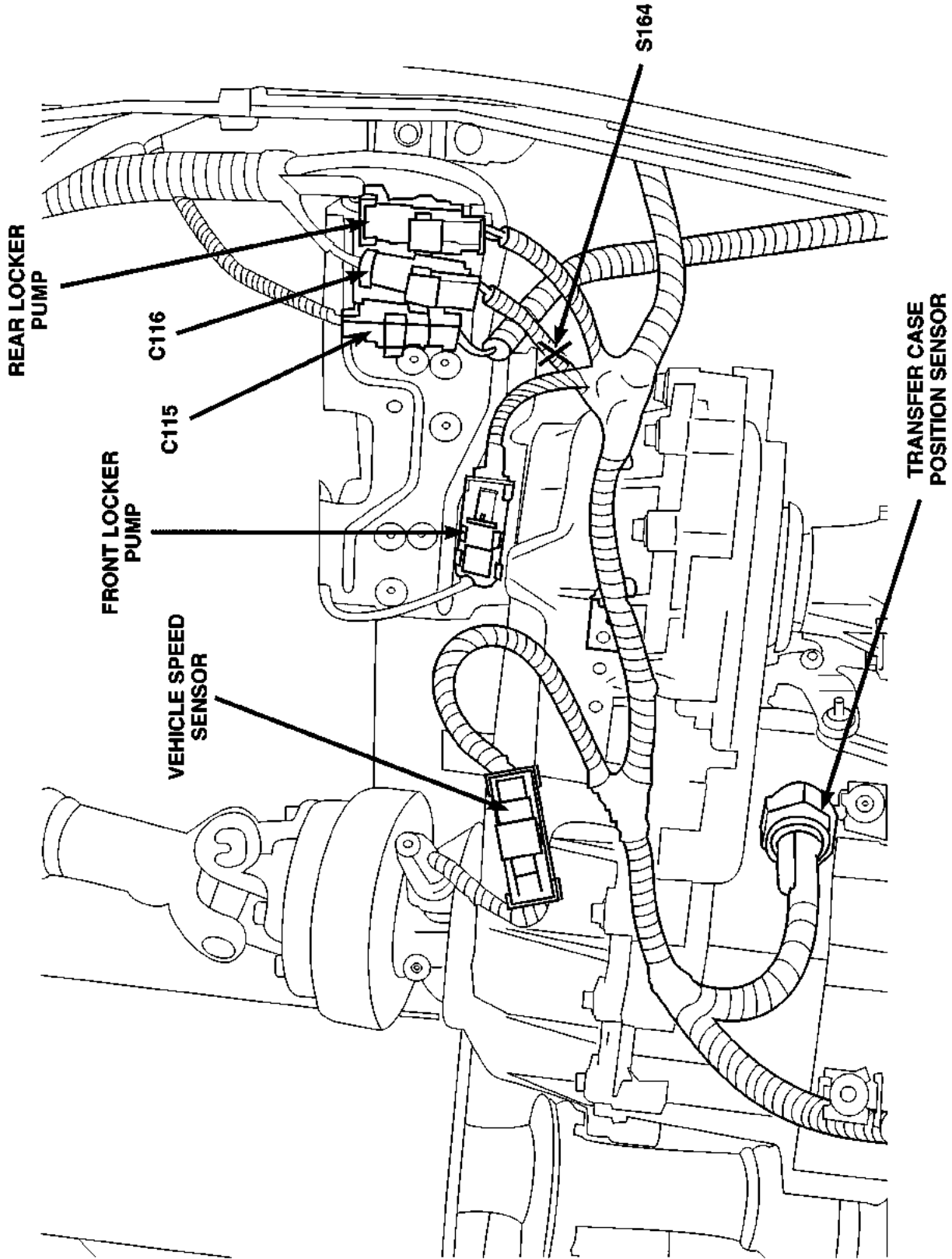
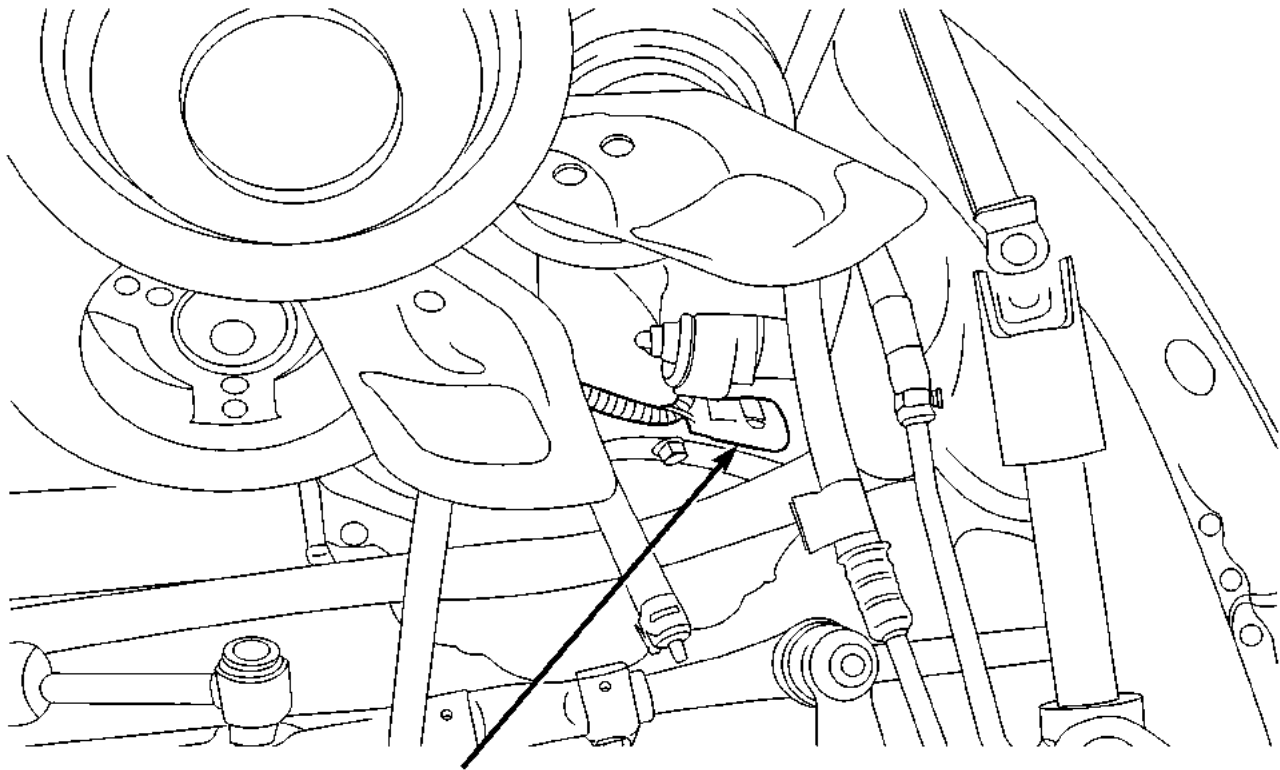


Fig. 29 TRANSFER CASE

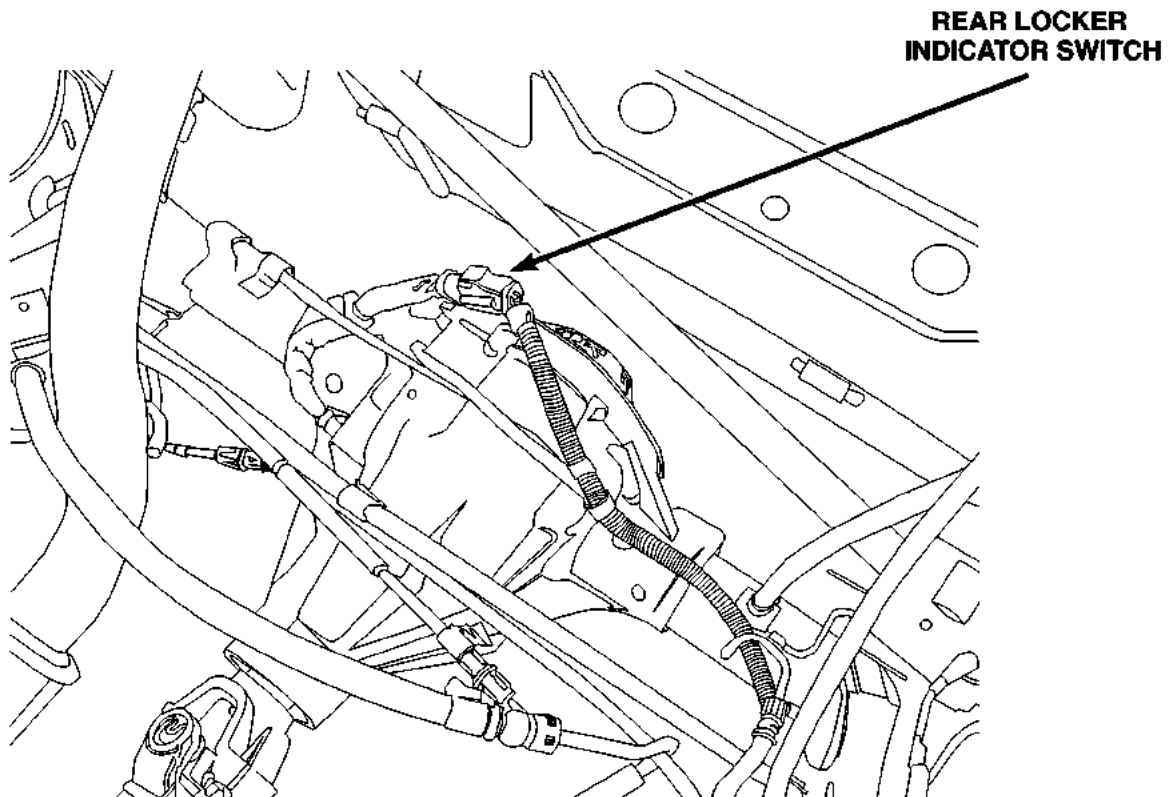
CONNECTOR/GROUND/SPLICE LOCATION (Continued)



**FRONT LOCKER
INDICATOR SWITCH**

80167507

Fig. 30 FRONT LOCKER INDICATOR SWITCH



**REAR LOCKER
INDICATOR SWITCH**

80167514

Fig. 31 REAR LOCKER INDICATOR SWITCH

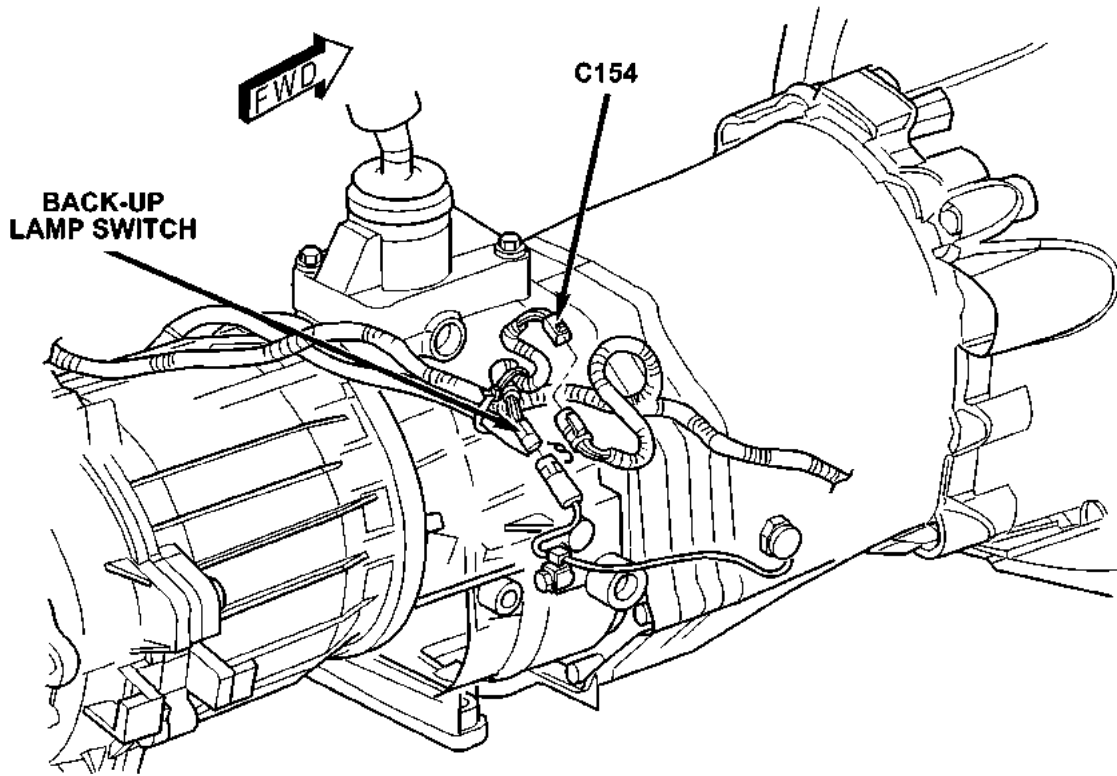


Fig. 32 MANUAL TRANSMISSION BUX

80ad18f9

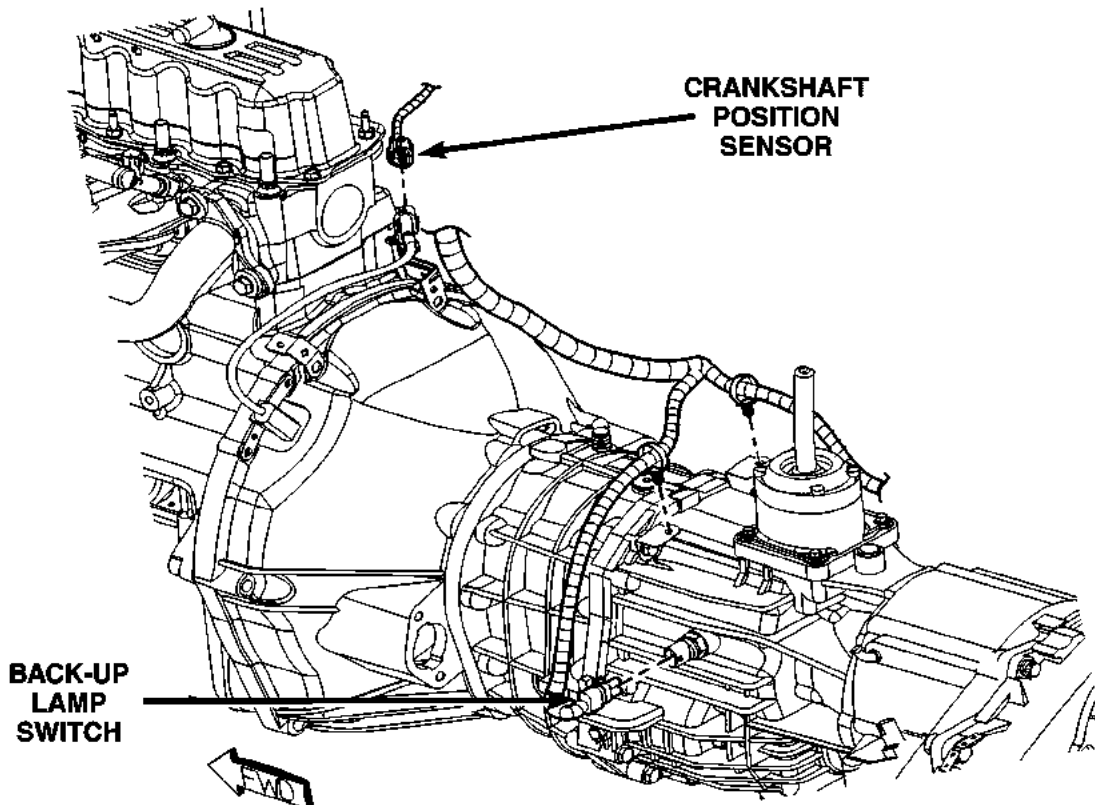
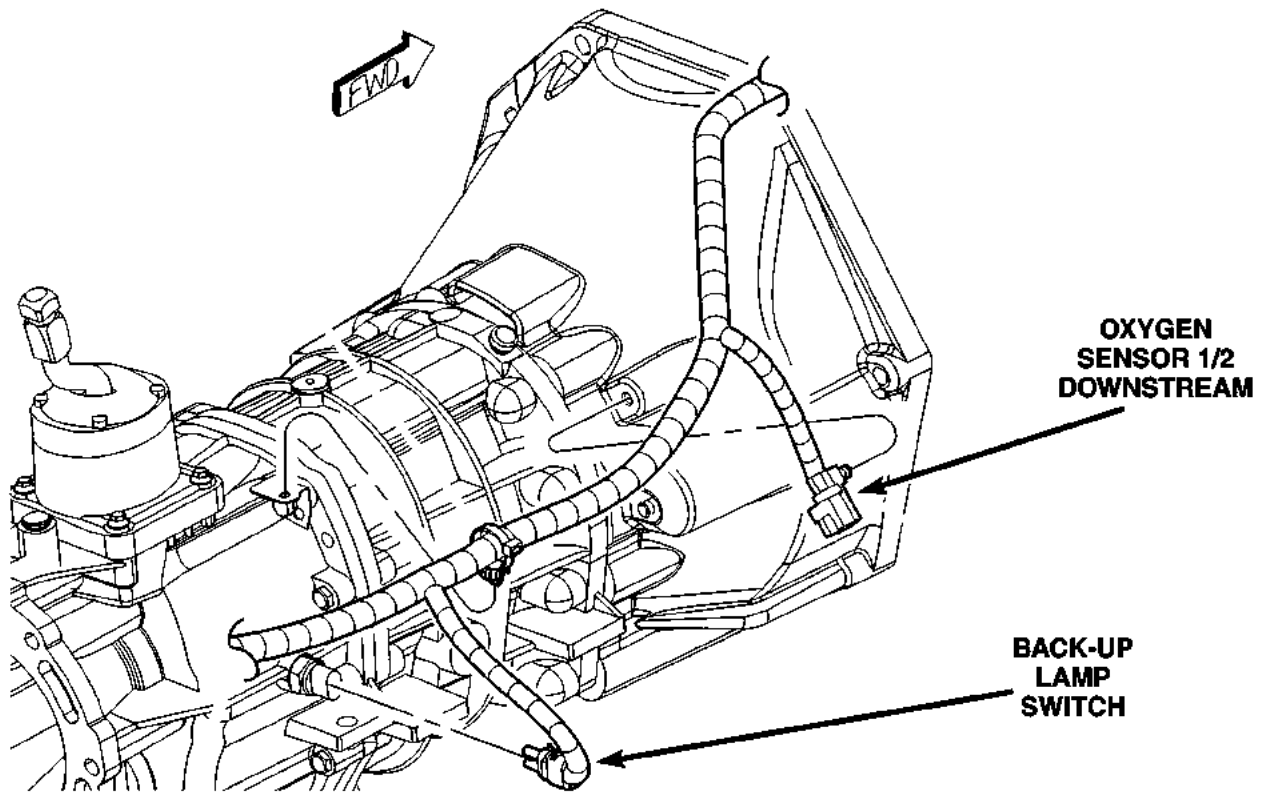


Fig. 33 MANUAL TRANSMISSION

80d0bd25



80d0bd24

Fig. 34 MANUAL TRANS 2.4L

8121725b

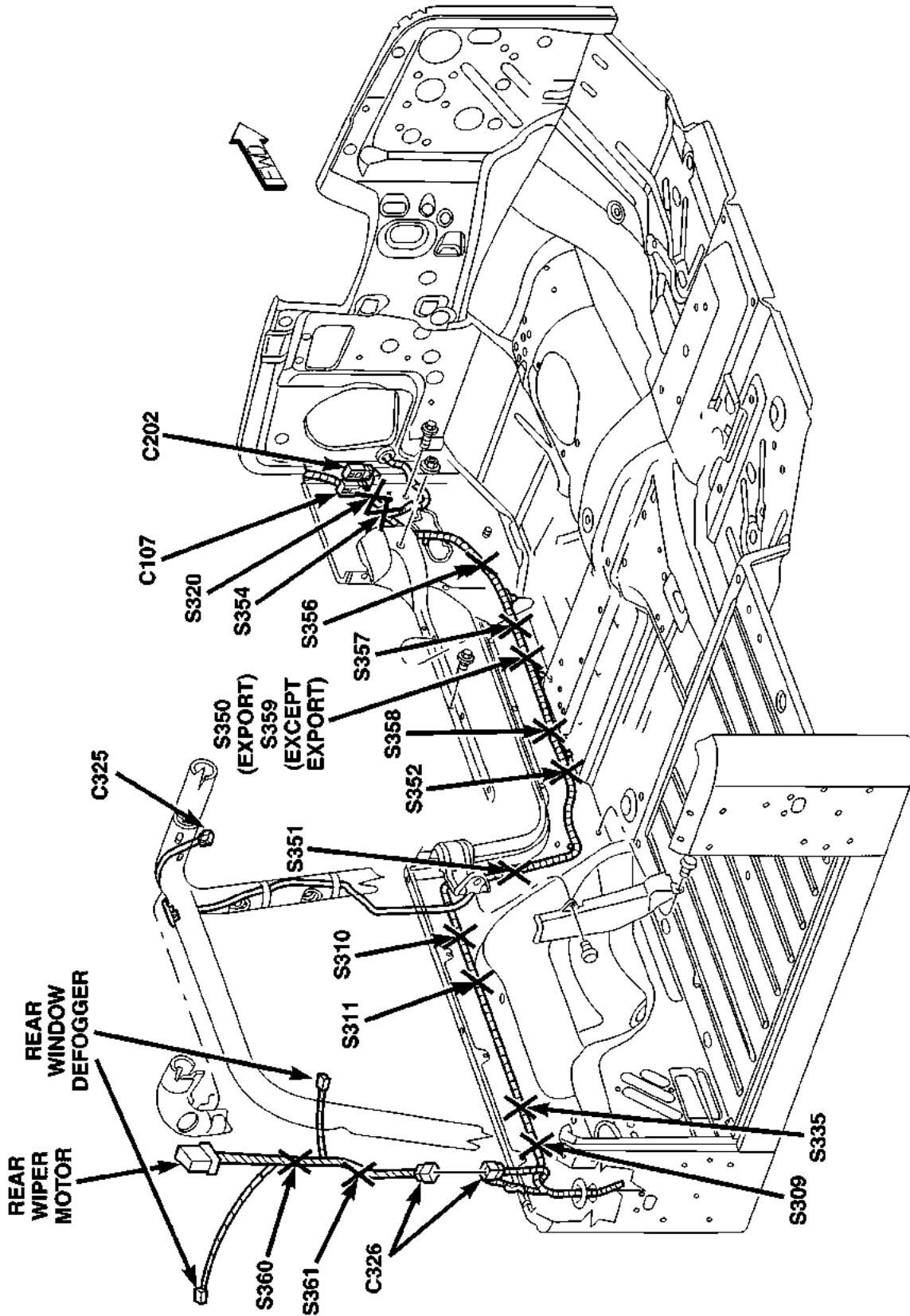


Fig. 35 BODY CONNECTORS LHD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

81217267

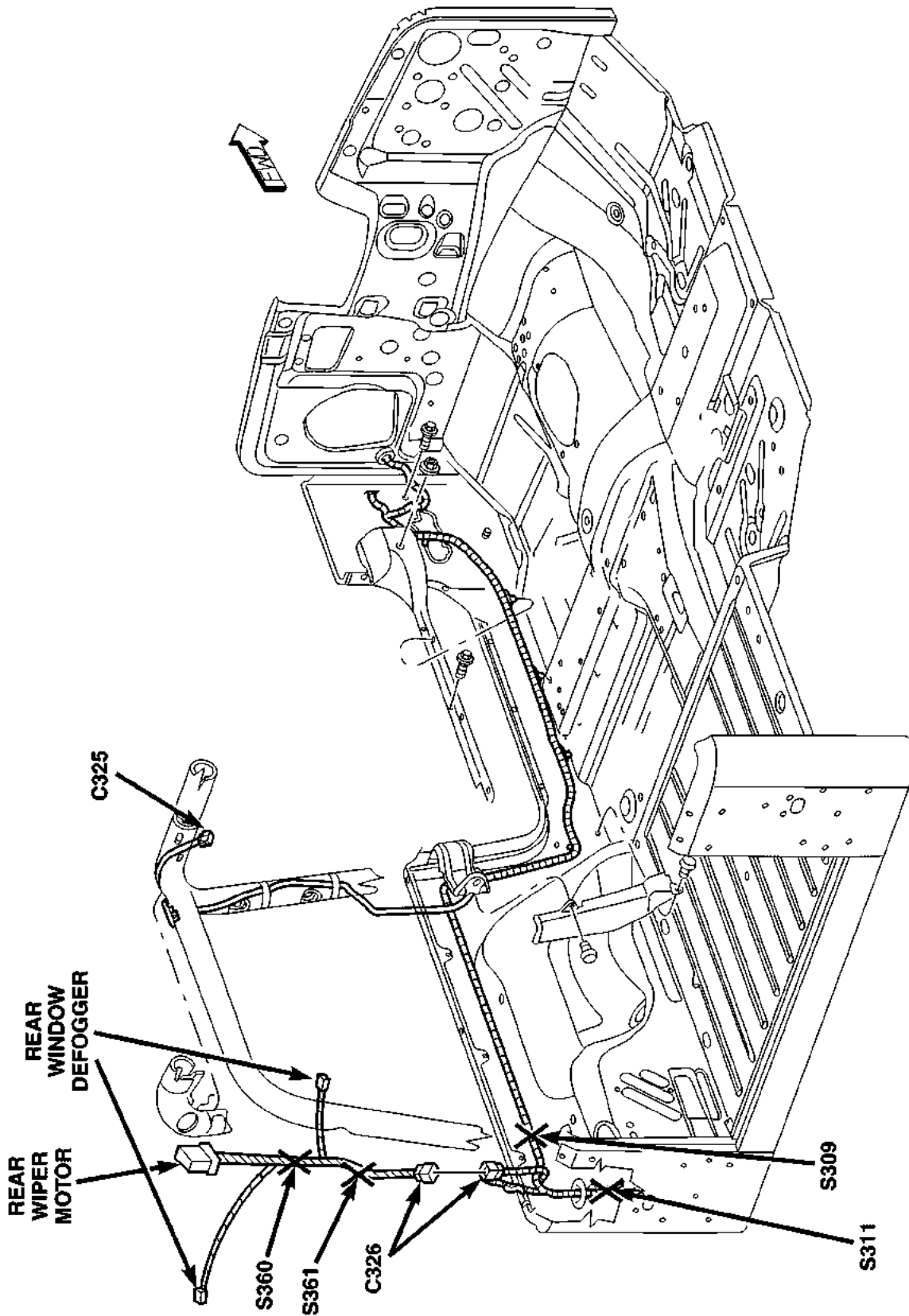
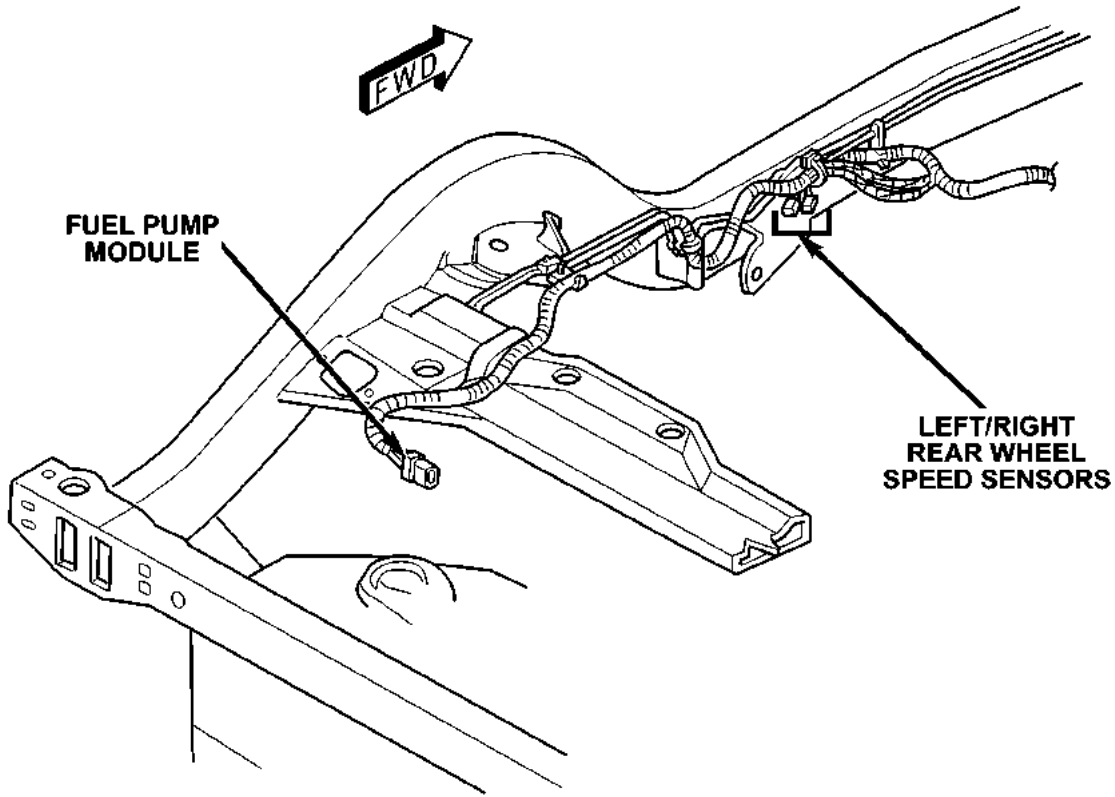


Fig. 36 BODY CONNECTORS RHD



80ae1cfc

Fig. 37 FUEL PUMP

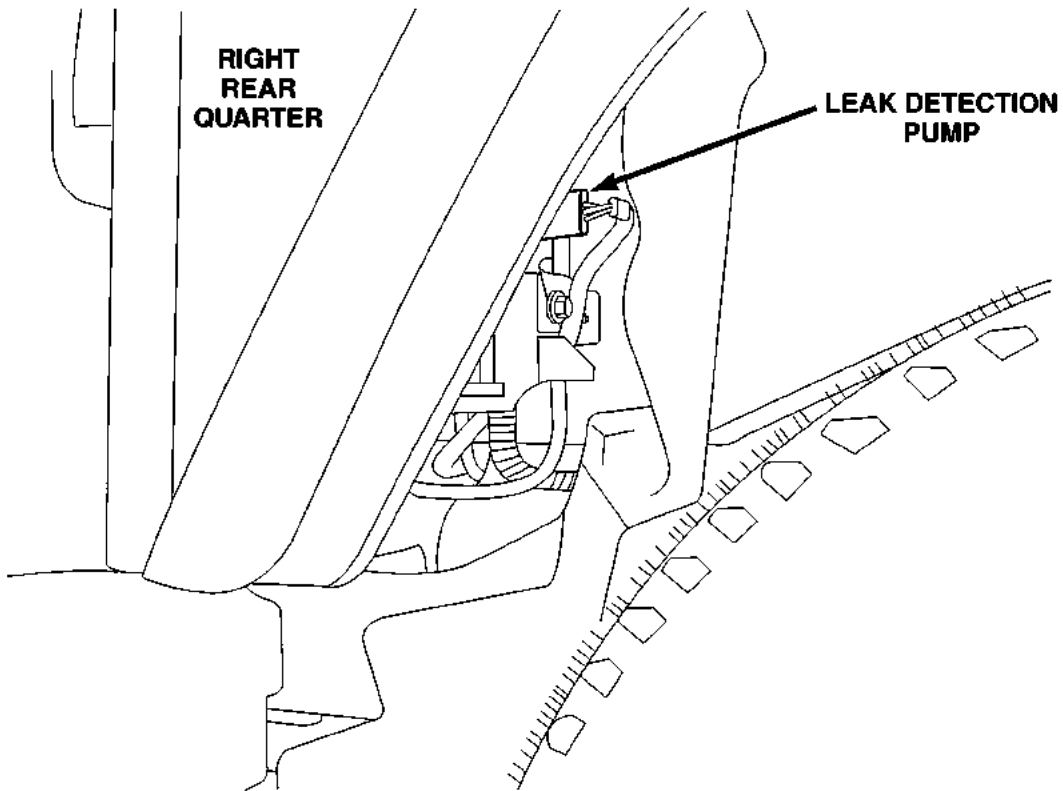
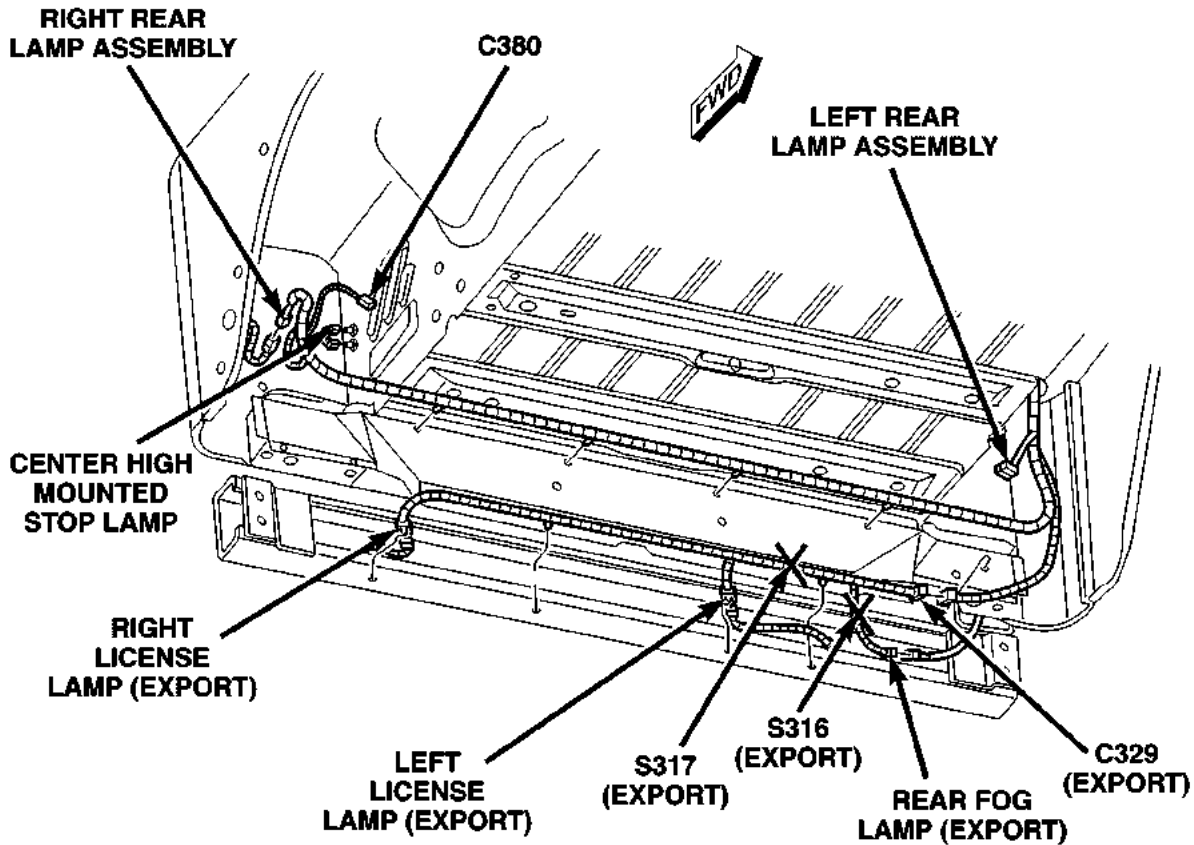


Fig. 38 LEAK DETECTION PUMP

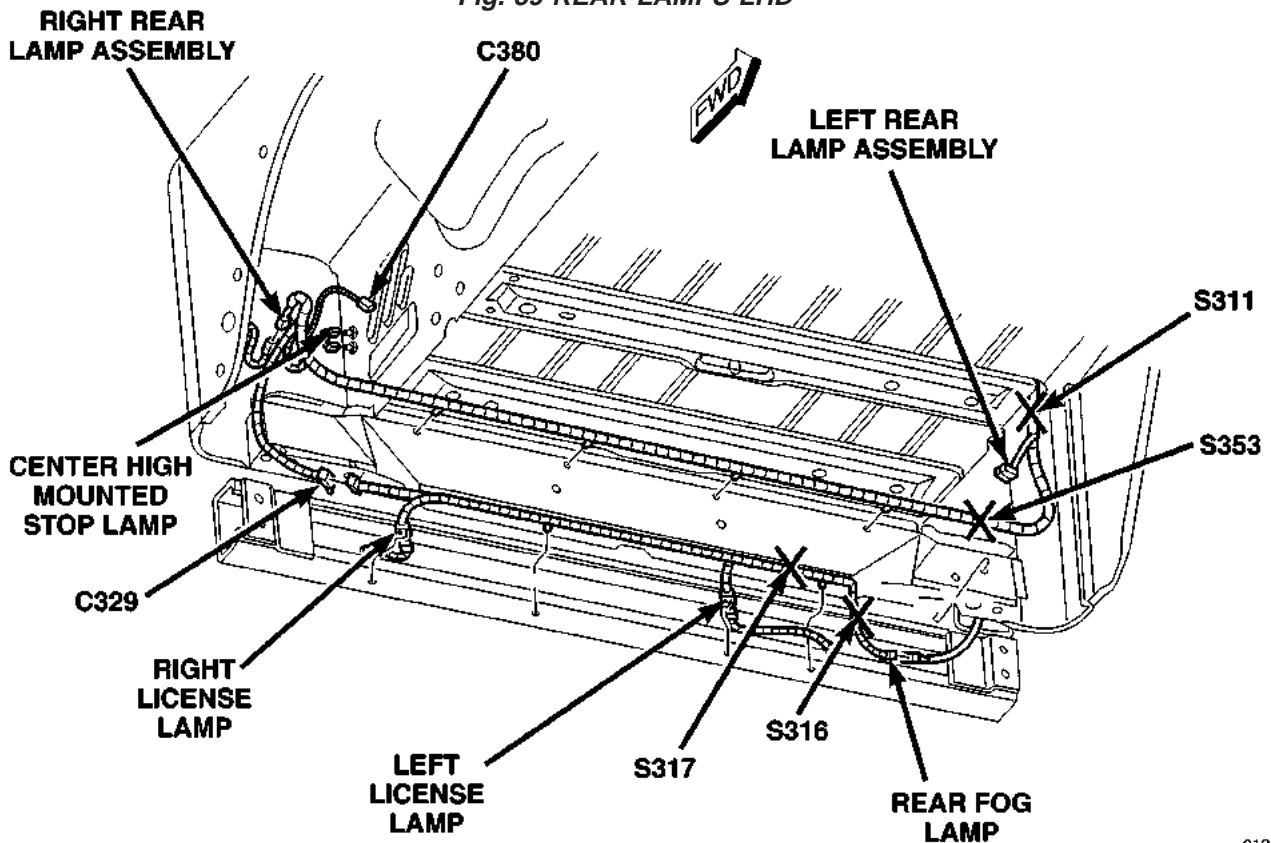
80f676c5

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



81217274

Fig. 39 REAR LAMPS LHD



81217282

Fig. 40 REAR LAMPS RHD

8W-97 POWER DISTRIBUTION

TABLE OF CONTENTS

	page		page
POWER DISTRIBUTION		OPERATION	7
DESCRIPTION	1	REMOVAL	7
OPERATION	1	DISASSEMBLY	
SPECIAL TOOLS		POWER DISTRIBUTION CENTER	
POWER DISTRIBUTION SYSTEMS	2	DISASSEMBLY	8
CIGAR LIGHTER OUTLET		ASSEMBLY	
DESCRIPTION	2	POWER DISTRIBUTION CENTER	
OPERATION	2	ASSEMBLY	10
DIAGNOSIS AND TESTING - CIGAR LIGHTER		INSTALLATION	11
OUTLET	2	POWER DISTRIBUTION CENTER SUPPORT	
FUSE BLOCK		BRACKET	
DESCRIPTION	3	REMOVAL	12
OPERATION	3	INSTALLATION	12
REMOVAL	3	POWER OUTLET	
INSTALLATION	4	DESCRIPTION	12
IOD FUSE		OPERATION	12
DESCRIPTION	5	DIAGNOSIS AND TESTING - POWER OUTLET ..	12
OPERATION	5	REMOVAL	13
REMOVAL	5	INSTALLATION	13
INSTALLATION	5	RELAY	
MICRO-RELAY		DESCRIPTION	13
DESCRIPTION	6	OPERATION	14
OPERATION	6	DIAGNOSIS AND TESTING - RELAY	14
DIAGNOSIS AND TESTING - MICRO-RELAY ..	6	REMOVAL	14
REMOVAL	6	INSTALLATION	14
INSTALLATION	6		
POWER DISTRIBUTION CENTER			
DESCRIPTION	7		

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)
- Fuseblock
- Cigar Lighter Outlet
- Power Outlet

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

- Blade-type fuses
- Cartridge fuses
- 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 the index in this service manual for the location of complete circuit diagrams for the various power distribution system components.

OPERATION

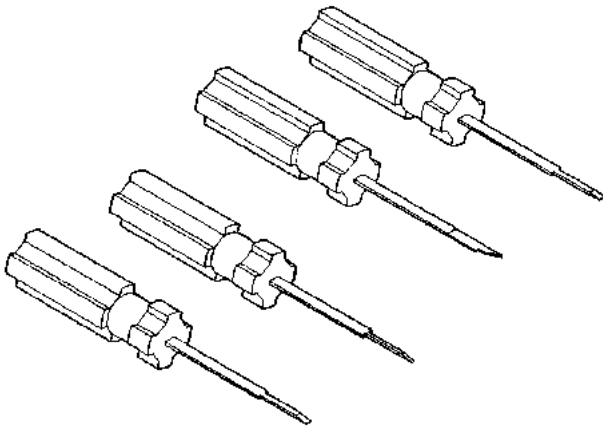
The power distribution system for this vehicle is designed to provide safe, reliable, and centralized distribution points for the electrical current required to operate all of the many standard and optional factory-installed electrical and electronic powertrain, chassis, safety, security, comfort and 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 elec-

POWER DISTRIBUTION (Continued)

trical 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

An instrument panel cigar lighter outlet is standard factory-installed equipment on some models. Models equipped with the optional smoker's package will include a cigar lighter knob and heating element. Models without the smoker's package are equipped with a snap fit plastic cap and the outlet is treated as an extra accessory power outlet. The outlet is installed in the instrument panel accessory switch bezel, which is located near the bottom of the instrument panel center bezel area, below the heater and air conditioner controls.

The cigar lighter outlet is serviced only as a part of the accessory switch bezel unit. If the base is faulty or damaged, the accessory switch bezel unit must be replaced. The cigar lighter knob and heating element unit is available for service. This component cannot be repaired and, if faulty or damaged, it must be replaced.

OPERATION

The cigar lighter base or 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 (f13) in the Power Distribution Center (PDC) through the ignition switch, only when in the Accessory or On position and through a fuse (f19) in the fuseblock.'

The cigar lighter 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 of the cigar lighter 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 **Wiring Diagrams**.

WARNING: 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 AIR-BAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Remove the cigar lighter knob and element from the cigar lighter receptacle shell. Check for continuity between the inside circumference of the cigar lighter receptacle shell and a good ground. there should be continuity. If OK, go to Step 2. If not OK, go to Step 3.

(2) 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

CIGAR LIGHTER OUTLET (Continued)

shell. If OK, replace the faulty cigar lighter knob and element. If not OK, go to Step 3.

(3) Turn the ignition switch to the Off position. Disconnect and isolate the battery negative cable. Remove the instrument panel accessory switch bezel. Check for continuity between the ground circuit cavity #3 of the cigar lighter wire harness connector and a good ground. There should be continuity. If OK, go to Step 4. If not OK, repair the open ground circuit to ground as required.

(4) Connect the battery negative cable. Turn the ignition switch to the Accessory or On positions. Check for battery voltage at cavity #1 of the cigar lighter wire harness connector. If OK, replace the faulty accessory switch bezel unit. If not OK, check for blown fuse in the fuseblock (f19) or in the PDC (f13). If fuse is blown check for short circuit. Repair the circuit as required and replace blown fuse.

FUSE BLOCK

DESCRIPTION

An electrical fuseblock module is mounted on the dash panel in the passenger compartment of the vehicle (Fig. 1). The fuseblock module serves to distribute electrical current to many of the accessory systems in the vehicle. The fuseblock module houses up to twenty blade-type mini fuses.

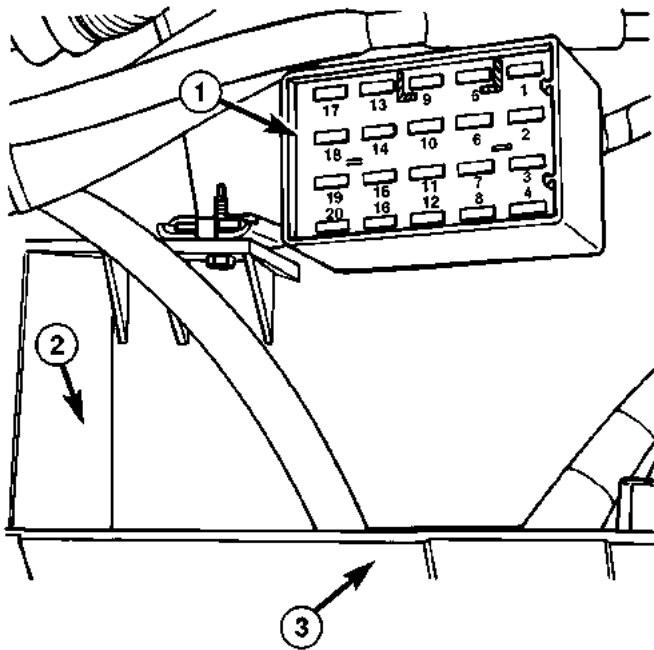


Fig. 1 Fuseblock Module Location

- 1 - FUSE BLOCK
- 2 - HEATER CASE
- 3 - GLOVE BOX OPENING

The molded plastic fuseblock module housing has an integral mounting bracket that is secured with two screws to a bracket welded on the dash panel just above the heater and air conditioner housing. The glove box is rolled down from the instrument panel for service access of the fuseblock module fuses. An adhesive-backed fuse layout map (Fig. 2) is located on the outside of the glove box bin (Fig. 3) to ensure proper fuse identification.

FRT WIPE (25A) 17	TURN SIG (10A) 13	AIRBAG (10A) 9	AIRBAG (10A) 5	PARK LPS SKIM (20A) 1
CIGAR LIGHTER (20A) 18	RADIO (10A) 14	CLUSTER (10A) 10	REAR WIPE (20A) 6	STOP LPS (20A) 2
SPARE FUSE (20A) 19	HBL SW (10A) 15	SOLENOIDS DRL (10A) 11	BACK-UP LP ABS (10A) 7	SUB- WOOFER SYSTEM (20A) 3
TRANS SEE OWNERS MANUAL (20A) 20	HEADLAMP AIM SW (10A) 18	PDC RELAYS SKIM (10A) 12	HEVAC (BLOWER FAN) (10A) 8	DOOR SW DEFEAT (10A) 4
 56009391AL				

Fig. 2 Fuseblock Label

The fuseblock module is integral to the body wire harness. If any internal circuit or the fuseblock module housing is faulty or damaged, the entire fuseblock module and body harness unit must be replaced.

OPERATION

All of the circuits entering and leaving the fuseblock module do so through the body wire harness. Internal connection of all of the fuseblock module circuits is accomplished by an intricate combination of hard wiring and bus bars. Refer to **Wiring Diagrams** for the location of complete fuseblock module circuit diagrams.

REMOVAL

The fuseblock module is serviced as a unit with the body wire harness. If any internal circuit of the fuseblock module or if the fuseblock module housing is faulty or damaged, the entire fuseblock module and the body wire harness unit must be replaced.

(1) Disconnect and isolate the battery negative cable.

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cardiagn.com

FUSE BLOCK (Continued)

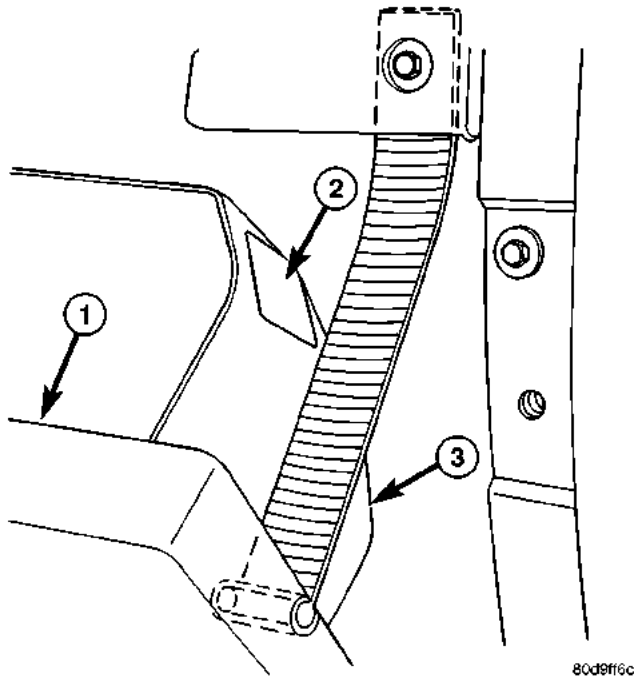


Fig. 3 Fuseblock Label Location

- 1 - GLOVE BOX DOOR
- 2 - FUSEBLOCK LABEL
- 3 - GLOVE BOX BIN

(2) Remove the instrument panel assembly from the dash panel (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL ASSEMBLY - REMOVAL).

(3) Disconnect each of the body wire harness connectors. Refer to **Connector Locations** in Wiring for the location of the body wire harness connector locations.

(4) Remove all of the fasteners that secure each of the body wire harness ground eyelets to the vehicle body and chassis components. Refer to **Connector Locations** in Wiring for the location of the body wire harness ground locations.

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

(6) Remove the two screws that secure the fuseblock module to the bracket on the dash panel (Fig. 4).

(7) Remove the fuseblock module and the body wire harness from the dash panel as a unit.

INSTALLATION

The fuseblock module is serviced as a unit with the body wire harness. If any internal circuit of the fuseblock module or if the fuseblock module housing is faulty or damaged, the entire fuseblock module and the body wire harness unit must be replaced.

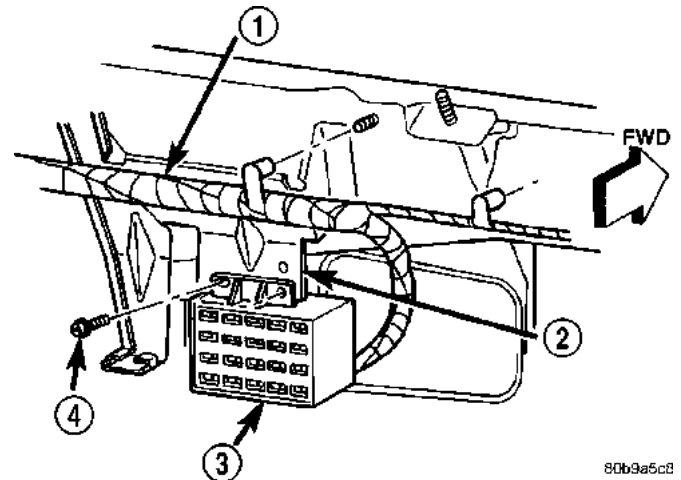


Fig. 4 Fuseblock Module Remove/Install

- 1 - BODY WIRE HARNESS
- 2 - BRACKET
- 3 - FUSEBLOCK MODULE
- 4 - SCREWS (2)

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

(1) Position the fuseblock module and the body wire harness onto the dash panel as a unit.

(2) Install and tighten the two screws that secure the fuseblock module to the bracket on the dash panel. Tighten the screws to 3.3 N·m (30 in. lbs.).

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

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

(5) Reconnect each of the body wire harness connectors. Refer to **Connector Locations** in Wiring for the location of the body wire harness connector locations.

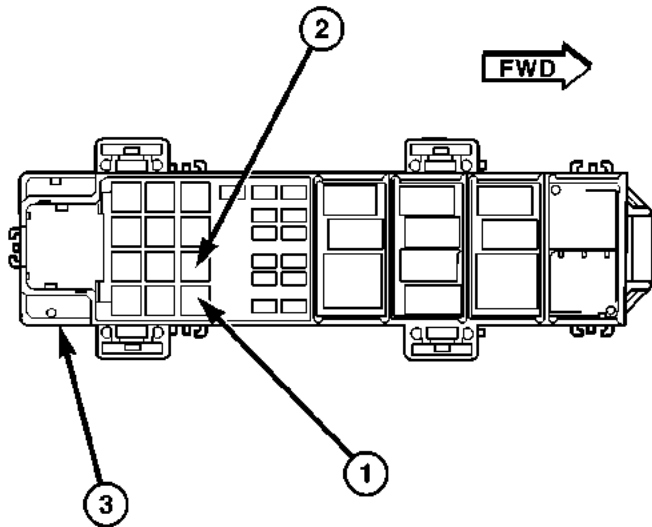
(6) Install the instrument panel assembly onto the dash panel (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL ASSEMBLY - INSTALLATION).

(7) Reconnect the battery negative cable.

IOD FUSE

DESCRIPTION

All vehicles are equipped with an Ignition-Off Draw (IOD) fuse (Fig. 5) that is removed from its cavity in the Power Distribution Center (PDC) when the vehicle is shipped from the factory. Dealer personnel are to remove the IOD fuse from the storage location and install it into PDC fuse cavity 15 as part of the preparation procedures performed just prior to new vehicle delivery.



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Fig. 5 Ignition-Off Draw Fuse

- 1 - IGNITION-OFF DRAW FUSE
- 2 - IGNITION-OFF DRAW FUSE STORAGE LOCATION
- 3 - POWER DISTRIBUTION CENTER

The PDC has a molded plastic cover that can be unlatched and opened to provide service access to all of the fuses and relays in the PDC. An integral latch and hinge tabs are molded into the PDC cover for easy removal. A fuse layout map is integral to the underside of the PDC cover to ensure proper fuse and relay identification. The IOD fuse is a 50 ampere cartridge-type fuse and, when removed, it is stored in the empty fuse cavity 11 of the PDC.

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 many 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 removed 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 removed from PDC fuse cavity #15 when the vehicle is shipped from the assembly plant. Dealer personnel must install 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 removing the IOD fuse will not eliminate IOD, but only reduce this normal condition. 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.

REMOVAL

The Ignition-Off Draw (IOD) fuse is removed from Power Distribution Center (PDC) fuse cavity #15 when the vehicle is shipped from the assembly plant. Dealer personnel must install 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) Unlatch and open the cover from the PDC.
- (3) Remove the IOD fuse from fuse cavity #15 of the PDC.
- (4) Store the removed IOD fuse by inserting the terminal blades of the fuse into the empty fuse cavity #11 of the PDC.
- (5) Close and latch the cover onto the PDC.

INSTALLATION

The Ignition-Off Draw (IOD) fuse is removed from Power Distribution Center (PDC) fuse cavity #15 when the vehicle is shipped from the assembly plant. Dealer personnel must install the IOD fuse when the

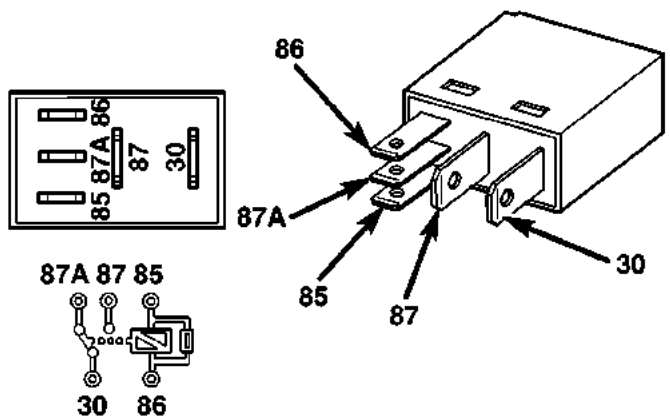
IOD FUSE (Continued)

vehicle is being prepared for delivery in order to restore full electrical system operation.

- (1) Turn the ignition switch to the Off position.
- (2) Unlatch and open the cover from the PDC.
- (3) Remove the stored IOD fuse from fuse cavity #11 of the PDC.
- (4) Align the terminal blades of the IOD fuse with the terminal receptacles in fuse cavity #15 of the PDC.
- (5) Use a thumb to press the IOD fuse firmly down into PDC fuse cavity #15.
- (6) Close and latch the cover onto the PDC.

MICRO-RELAY

DESCRIPTION



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Fig. 6 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. 6). Relays conforming to the ISO specifications have common physical dimensions, current capacities, terminal patterns, and terminal functions. The relay is 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 (Fig. 6). 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) Disconnect and isolate the negative battery cable.
- (2) Remove the relay by grasping it firmly and pulling it straight out from its receptacle. A slight back and fourth rocking motion may help the removal process.

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.
- (3) 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 on the right side of the engine compartment, forward of the battery on the top of the right front inner fender shield. The PDC houses up to fifteen maxi-type cartridge fuses, which replace all in-line fusible links. The PDC also houses up to thirteen blade-type mini fuses, and up to twelve International Standards Organization (ISO) relays (four standard-type and eight micro-type).

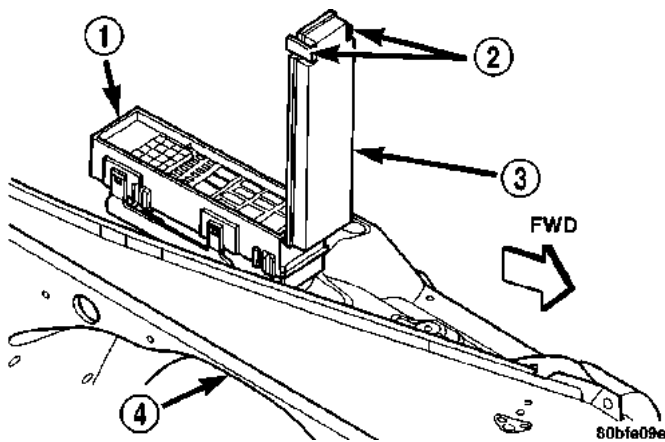


Fig. 7 Power Distribution Center Location

- 1 - POWER DISTRIBUTION CENTER (PDC)
- 2 - LATCHES
- 3 - COVER
- 4 - RIGHT FRONT FENDER

The PDC housing is secured in the engine compartment at four points. Integral mounts on both sides of the PDC housing engage and latch to stanchions that are integral to the stamped steel PDC bracket. The PDC bracket is secured to the top of the right front inner fender shield with three screws, two at the front of the bracket and one at the rear. The PDC is integral to the dash wire harness, which exits from the bottom of the PDC housing. The PDC housing has a molded plastic cover that includes two integral latches at the rear and pivot hooks at the front that snap over a hinge pin on the front of the PDC housing. The PDC cover is easily opened or removed for service access and has a convenient fuse and relay

layout map integral to the inside surface of the cover to ensure proper component identification.

The PDC cover, the PDC housing lower cover, the PDC relay wedges, the PDC relay cassettes and the PDC B(+) terminal stud module are available for service replacement. The PDC main housing unit, the fuse wedges and the bus bars cannot be repaired and are only serviced as a unit with the dash wire harness. If the PDC main housing unit, fuse wedges or the bus bars are faulty or damaged, the 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 and a single two-holed eyelet that is secured with nuts to the two PDC B(+) terminal studs near the back of the PDC housing. The molded plastic PDC cover is unlatched and opened to access the battery and generator output connection B(+) terminal studs. Internal connection of all of the PDC circuits is accomplished by an intricate combination of hard wiring and bus bars. Refer to the **Wiring** section of this service manual for wiring diagrams.

REMOVAL

The Power Distribution Center (PDC) main housing unit, the PDC fuse wedges and the PDC bus bars cannot be repaired and are only serviced as a unit with the dash wire harness. If the PDC main housing unit, the fuse wedges or the bus bars are faulty or damaged, the entire PDC and dash wire harness unit must be replaced.

- (1) Disconnect and isolate the battery negative cable.
- (2) Disconnect each of the dash wire harness connectors. Refer to **Connector Locations** in the Wiring section of this service manual for the location of the dash wire harness connector locations.
- (3) Remove all of the fasteners that secure each of the dash wire harness ground eyelets to the vehicle body and chassis components. Refer to **Connector Locations** in the Wiring section of this service manual for the location of the ground eyelet locations.
- (4) Disengage each of the retainers that secure the dash wire harness to the vehicle body and chassis components. Refer to **Connector Locations** in the Wiring section of this service manual for the location of the dash wire harness retainer locations.

POWER DISTRIBUTION CENTER (Continued)

(5) Unlatch and open the PDC cover (Fig. 8).

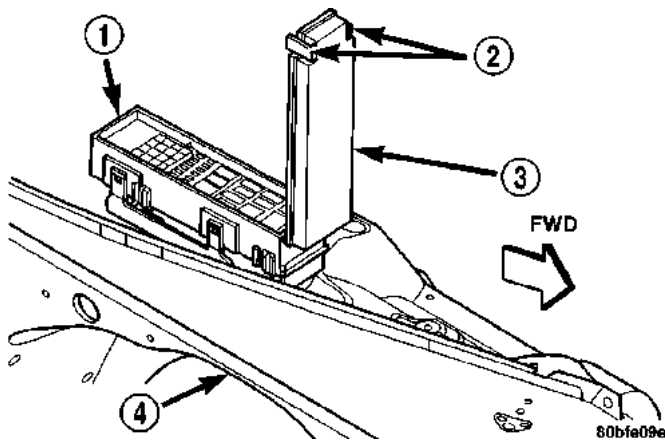


Fig. 8 Power Distribution Center

- 1 - POWER DISTRIBUTION CENTER (PDC)
- 2 - LATCHES
- 3 - COVER
- 4 - RIGHT FRONT FENDER

(6) Remove the two nuts that secure the eyelet terminal of the battery positive cable take out and the engine wire harness generator output take out to the PDC B(+) terminal studs.

(7) Remove the battery positive cable take out and the engine wire harness generator output take out eyelet terminal from the B(+) terminal studs.

(8) Disengage the latches on the PDC housing mounts from the tabs on the PDC bracket stanchions, and pull the PDC housing upward to disengage the mounts from the stanchions of the bracket.

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

DISASSEMBLY

POWER DISTRIBUTION CENTER DISASSEMBLY

The Power Distribution Center (PDC) cover, the PDC housing lower cover, the PDC relay wedges, the PDC relay cassettes and the PDC B(+) terminal stud module are available for service replacement. The PDC cover can be simply unlatched and removed from the PDC housing without the PDC being removed or disassembled. Service of the remaining PDC components requires that the PDC be removed from its mounting and disassembled. Refer to **Wiring Repair** in the index of this service manual for the location of the proper wiring repair procedures.

PDC HOUSING LOWER COVER REMOVAL

(1) Disconnect and isolate the battery negative cable.

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

(3) Unlatch and remove the B(+) terminal stud cover from the PDC.

(4) Remove the two nuts that secure the eyelet terminal to the two B(+) terminal studs of the PDC.

(5) Remove the eyelet terminal from the PDC B(+) terminal studs.

(6) Disengage the latches on the PDC mounts from the tabs on the PDC bracket stanchions, and pull the PDC housing upward to disengage the mounts from the stanchions of the bracket.

(7) Using a trim stick or another suitable wide flat-bladed tool, gently pry the latches on each side and one end of the PDC housing that secure the housing lower cover to the PDC and remove the housing lower cover (Fig. 9).

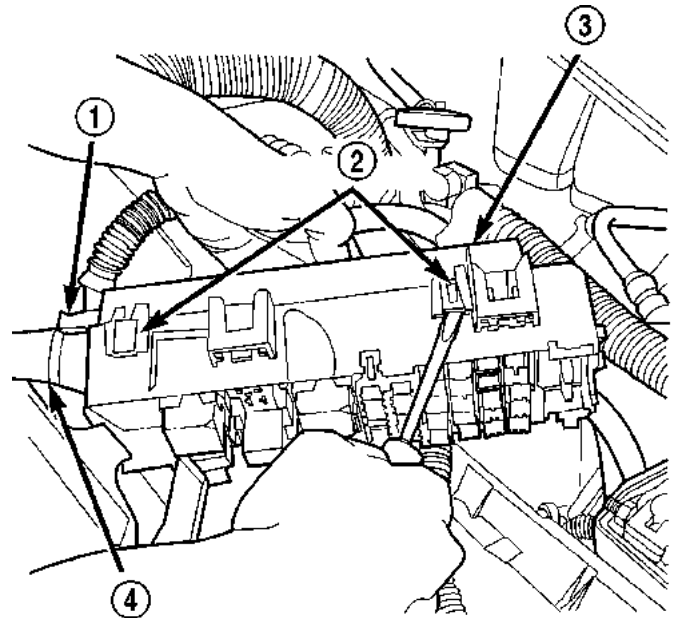


Fig. 9 PDC Housing Lower Cover Remove/Install - Typical

- 1 - THROUGH FORMATION
- 2 - LATCHES (5)
- 3 - PDC HOUSING LOWER COVER
- 4 - WIRE HARNESS

POWER DISTRIBUTION CENTER (Continued)

PDC B(+) TERMINAL MODULE REMOVAL

- (1) Remove the PDC housing lower cover.
- (2) From the top of the PDC housing, use a small screwdriver or a terminal pick tool (Special Tool Kit 6680) to release the two latches that secure the B(+) terminal module in the PDC (Fig. 10).

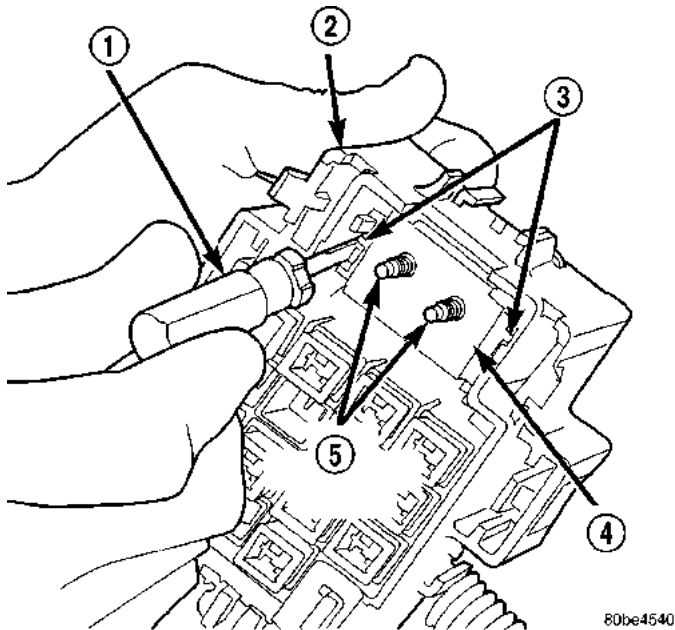


Fig. 10 PDC B(+) Terminal Module Latches

- 1 - FROM SPECIAL TOOL KIT 6680
- 2 - PDC HOUSING
- 3 - LATCHES
- 4 - BUS BAR
- 5 - B+ TERMINAL STUDS

- (3) Gently and evenly press the two B(+) terminal studs down through the bus bar in the PDC.
- (4) From the bottom of the PDC housing, remove the B(+) terminal module from the PDC (Fig. 11).

PDC RELAY WEDGE REMOVAL

- (1) Remove the PDC housing lower cover.
- (2) Remove each of the relays from the PDC relay wedge to be removed.
- (3) From the bottom of the PDC housing, use a small screwdriver or a terminal pick tool (Special Tool Kit 6680) to release the two latches (yellow) that secure the relay wedge to the PDC relay cassette.
- (4) From the top of the PDC housing, remove the relay wedge from the PDC relay cassette (Fig. 12).

PDC RELAY CASSETTE REMOVAL

- (1) Remove the relay wedge from the PDC relay cassette to be removed.

NOTE: It may be necessary to remove relay cassettes that are not being serviced from the PDC housing in order to obtain sufficient clearance to service the faulty relay cassette. The same service

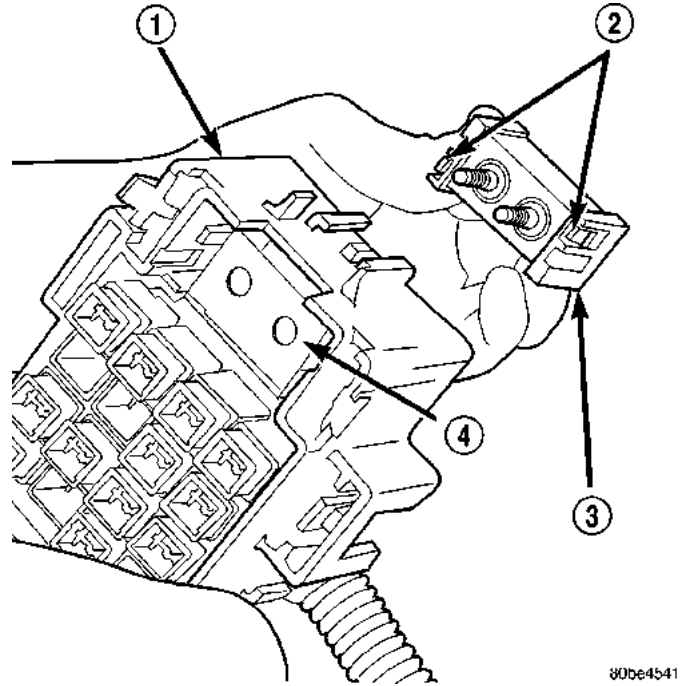


Fig. 11 PDC B(+) Terminal Module Remove/Install

- 1 - PDC HOUSING
- 2 - LATCHES
- 3 - B+ TERMINAL MODULE
- 4 - BUS BAR

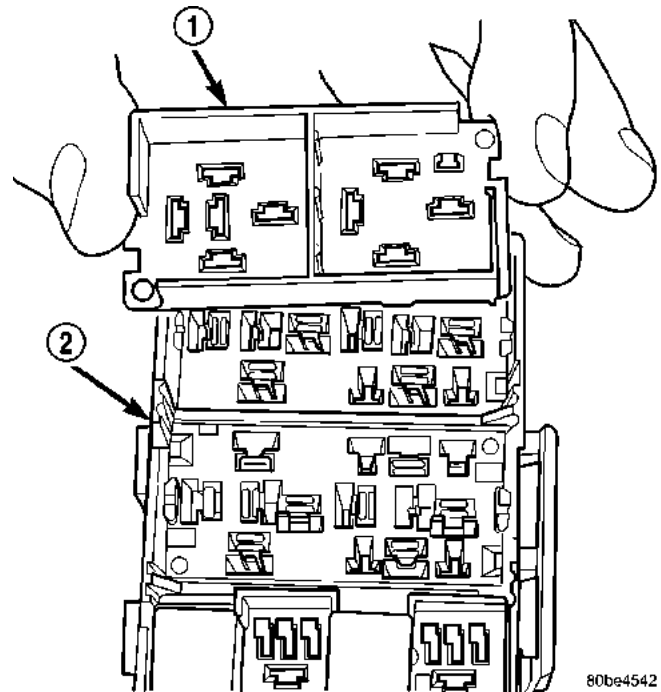


Fig. 12 PDC Relay Wedge Remove/Install - Typical

- 1 - RELAY WEDGE
- 2 - PDC HOUSING

procedure is repeated as necessary to remove each of the interfering relay wedges and relay cassettes from the PDC housing.

POWER DISTRIBUTION CENTER (Continued)

(2) From the top of the PDC housing, use a small screwdriver or a terminal pick tool (Special Tool Kit 6680) to release the two latches that secure the relay cassette in the PDC (Fig. 13).

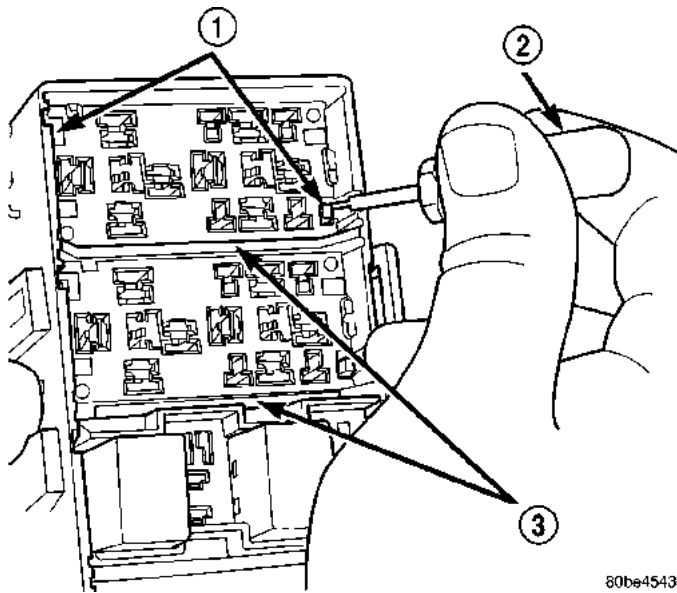


Fig. 13 PDC Relay Cassette Latches - Typical

- 1 - LATCHES
- 2 - FROM SPECIAL TOOL KIT 6680
- 3 - PDC RELAY CASSETTES

(3) Gently and evenly press the relay cassette down through the PDC housing.

(4) From the bottom of the PDC housing, remove the relay cassette from the PDC (Fig. 14).

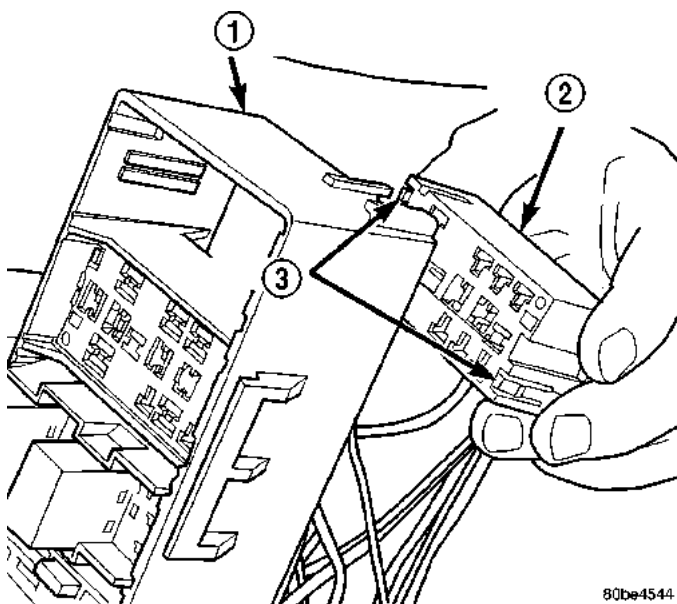


Fig. 14 PDC Relay Cassette Remove/Install - Typical

- 1 - PDC HOUSING
- 2 - PDC RELAY CASSETTE
- 3 - LATCHES

CAUTION: Do not remove the wiring and terminals from the terminal cavities of the faulty PDC relay cassette at this time. Refer to the Assembly procedure that follows for the proper procedures for transferring the wiring and terminals to the replacement PDC relay cassette.

ASSEMBLY

POWER DISTRIBUTION CENTER ASSEMBLY

PDC HOUSING LOWER COVER INSTALLATION

(1) Align the PDC housing lower cover to the bottom of the PDC.

(2) Press the PDC housing lower cover gently and evenly onto the PDC until each of the latches that secure the cover to the PDC is fully engaged.

(3) Engage the mounts on the PDC housing with the stanchions of the PDC bracket and push the unit downward until the mount latches fully engage the mounting tabs on the PDC bracket.

(4) Install the eyelet terminal over the two PDC B(+) terminal studs.

(5) Install and tighten the two nuts that secure the eyelet terminal to the B(+) terminal studs. Tighten the nuts to 11.3 N·m (100 in. lbs.).

(6) Install the B(+) terminal stud cover onto the PDC.

(7) Install the cover onto the PDC.

(8) Reconnect the battery negative cable.

PDC B+ TERMINAL MODULE INSTALLATION

(1) From the bottom of the PDC housing, align and insert the B(+) terminal module into the PDC.

(2) From the bottom of the PDC housing, align and insert the two studs of the PDC B(+) terminal module through the bus bar in the PDC.

(3) From the bottom of the PDC housing, press the B(+) terminal module gently and evenly into the PDC until both of the latches are fully engaged.

(4) Install the PDC housing lower cover.

PDC RELAY WEDGE INSTALLATION

(1) From the top of the PDC housing, align and insert the PDC relay wedge latch arms into the correct cavities in the relay cassette.

(2) Gently and evenly press the PDC relay wedge down into the relay cassette until both of the latches are fully engaged.

(3) Install each of the removed relays into the proper cavities of the PDC relay wedge.

(4) Install the PDC housing lower cover.

POWER DISTRIBUTION CENTER (Continued)

PDC RELAY CASSETTE INSTALLATION

(1) Move the faulty PDC relay cassette with its wiring away from the bottom of the PDC housing far enough to allow the replacement relay cassette to be installed into the PDC.

(2) Using the faulty relay cassette as a guide, be certain that the replacement relay cassette is correctly oriented before installing it into the PDC housing.

(3) From the bottom of the PDC housing, align and insert the replacement relay cassette into the PDC. Press the relay cassette up into the PDC until both of the latches are fully engaged.

CAUTION: Proper care must be taken to be certain that the wiring and terminals from the faulty PDC relay cassette are installed in the correct terminal cavities of the replacement relay cassette. To prevent mistakes it is recommended that the wiring and terminals be removed from the faulty relay cassette one cavity at a time, repaired or spliced as necessary, then installed securely into the correct cavity of the replacement relay cassette. If you are not absolutely certain into which cavity a terminal should be installed, refer to **Power Distribution** in the index of this service manual for the location of complete PDC wiring diagrams.

(4) While pulling gently on the wire from the bottom of the faulty PDC relay cassette, use a terminal pick tool (Special Tool Kit 6680) from the top of the relay cassette to release the latch that secures the terminal in the relay cassette terminal cavity (Fig. 15).

(5) From the bottom of the faulty PDC relay cassette, remove the wire and terminal from the relay cassette terminal cavity.

(6) Make all necessary repairs and splices to the wire for the removed terminal. Refer to **Wiring Repair** in the index of this service manual for the location of the proper wiring repair procedures.

(7) From the bottom of the PDC housing, align and insert the removed wire and terminal into the correct terminal cavity of the replacement relay cassette. Push the wire and terminal up into the relay cassette terminal cavity until it is fully engaged by the latch.

(8) Repeat Step 4, Step 5, Step 6 and Step 7 one wire and terminal at a time until each of the wires and terminals have been transferred from the faulty PDC relay cassette into the replacement relay cassette.

(9) Install the PDC relay wedge into the replacement PDC relay cassette.

INSTALLATION

The Power Distribution Center (PDC) main housing unit, the PDC fuse wedges and the PDC bus bars cannot be repaired and are only serviced as a unit

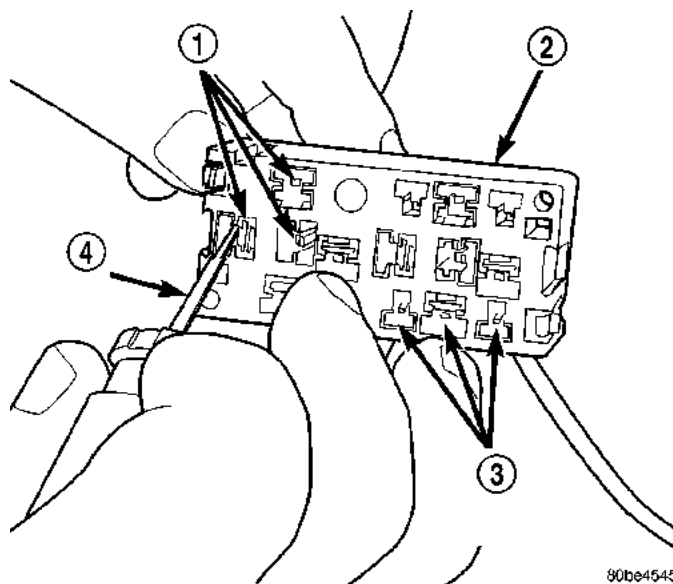


Fig. 15 PDC Relay Cassette Terminal Remove/Install

- 1 - TERMINAL CAVITIES
- 2 - PDC RELAY CASSETTE
- 3 - TERMINAL LATCHES
- 4 - FROM SPECIAL TOOL KIT 6680

with the dash wire harness. If the PDC main housing unit, the fuse wedges or the bus bars are faulty or damaged, the entire PDC 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 fuses and relays that have not been included with the replacement PDC from the faulty PDC to the proper cavities of the replacement unit. Refer to **Power Distribution** in the index of this service manual for the location of complete PDC wiring diagrams and cavity assignments.

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

(2) Engage the mounts on the PDC housing with the stanchions of the PDC bracket and push the unit downward until the mount latches engage the mounting tabs on the PDC bracket.

(3) Install the eyelet terminal of the battery positive cable take out and the engine wire harness generator output take out onto the PDC B(+) terminal studs.

(4) Install and tighten the two nuts that secure the eyelet terminal of the battery positive cable take out and the engine wire harness generator output take out to the B(+) terminal studs. Tighten the nuts to 11.3 N·m (100 in. lbs.).

(5) Engage the tabs on the lower edge of the B(+) terminal stud cover in the slots on the back of the PDC housing, then engage the latch on the top of the cover with the latch receptacle on the PDC housing.

POWER DISTRIBUTION CENTER (Continued)

(6) Engage each of the retainers that secure the dash wire harness to the vehicle body and chassis components. Refer to **Connector Locations** in the index of this service manual for the location of more information on the dash wire harness retainer locations.

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

(8) Reconnect each of the dash wire harness connectors. Refer to **Connector Locations** in the index of this service manual for the location of more information on the dash wire harness connector locations.

(9) Reconnect the battery negative cable.

POWER DISTRIBUTION CENTER SUPPORT BRACKET

REMOVAL

(1) Disconnect and isolate the battery negative cable.

(2) Remove the Power Distribution Center (PDC) from the PDC bracket (Refer to 8 - ELECTRICAL/POWER DISTRIBUTION/POWER DISTRIBUTION CENTER - REMOVAL).

(3) Remove the three screws that secure the PDC bracket to the right front inner fender (Fig. 16).

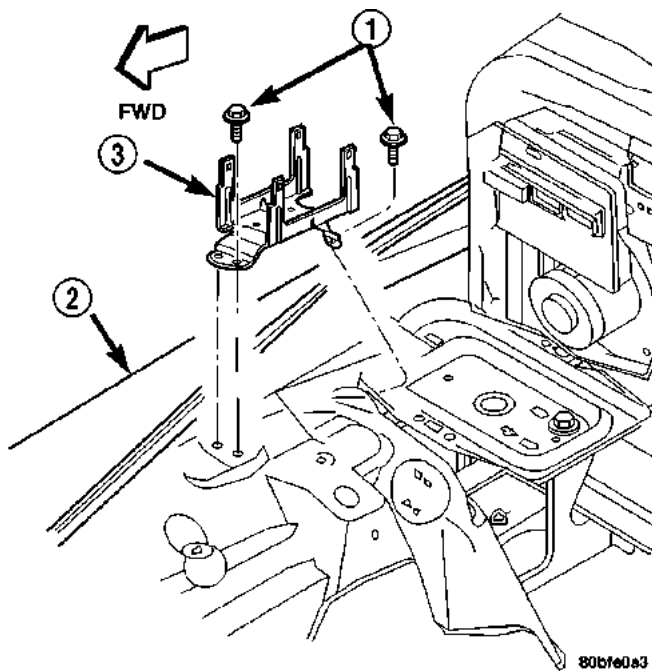


Fig. 16 PDC Bracket

- 1 - SCREWS (3)
2 - RIGHT FRONT FENDER
3 - PDC BRACKET

(4) Remove the PDC bracket from the right front inner fender.

INSTALLATION

(1) Position the PDC bracket onto the right front inner fender.

(2) Install and tighten the three screws that secure the PDC mounting bracket to the right front inner fender. Tighten the screws to 3.9 N·m (35 in. lbs.).

(3) Install the PDC onto the PDC bracket (Refer to 8 - ELECTRICAL/POWER DISTRIBUTION/POWER DISTRIBUTION CENTER - INSTALLATION).

(4) Reconnect the battery negative cable.

POWER OUTLET

DESCRIPTION

An instrument panel power outlet is standard factory installed equipment on this model. The power outlet is installed in the instrument panel accessory switch bezel, which is located near the bottom of the center bezel area below the heater and air conditioning controls. The power outlet base is secured by a snap fit within the instrument 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 Power Distribution Center 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 Power Distribution Center. 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 Power Distribution Center. 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

POWER OUTLET (Continued)

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.

(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 Power Distribution Center 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.

(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. 17).

(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.

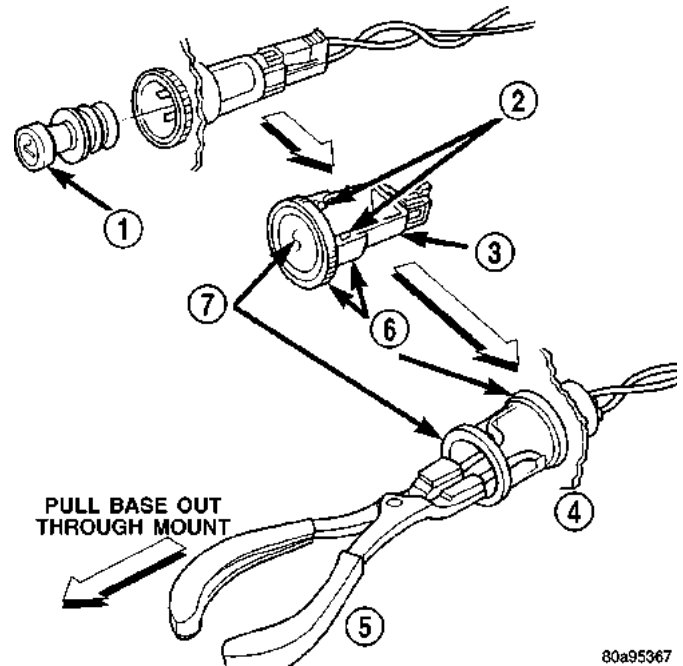
(7) Disconnect the instrument panel wire harness connector from the cigar lighter or power outlet receptacle base connector receptacle.

(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.



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Fig. 17 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

(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.

RELAY

DESCRIPTION

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. 18).

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.

RELAY (Continued)

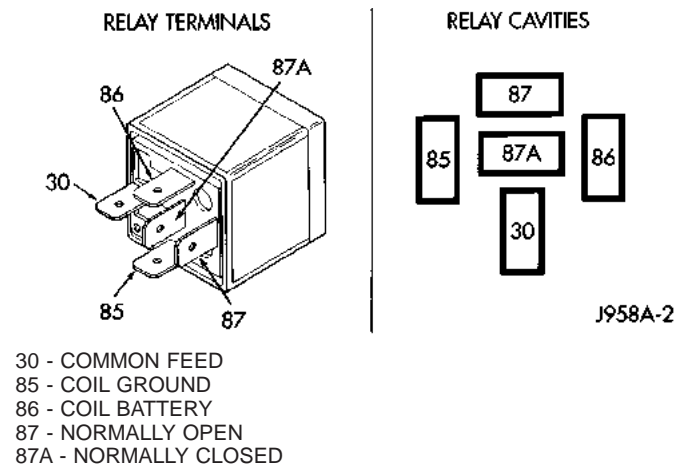


Fig. 18 ISO Relay

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.

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 & TESTING - RELAY CIRCUIT TEST

(1) The relay common feed terminal (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) Disconnect and isolate the negative battery cable.
- (2) Remove the relay by grasping it firmly and pulling it straight out from its receptacle. A slight back and fourth rocking motion may help the removal process.

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.
- (4) Connect the negative battery cable.