

# WIRING

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## 8W-01 WIRING DIAGRAM INFORMATION

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## 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.

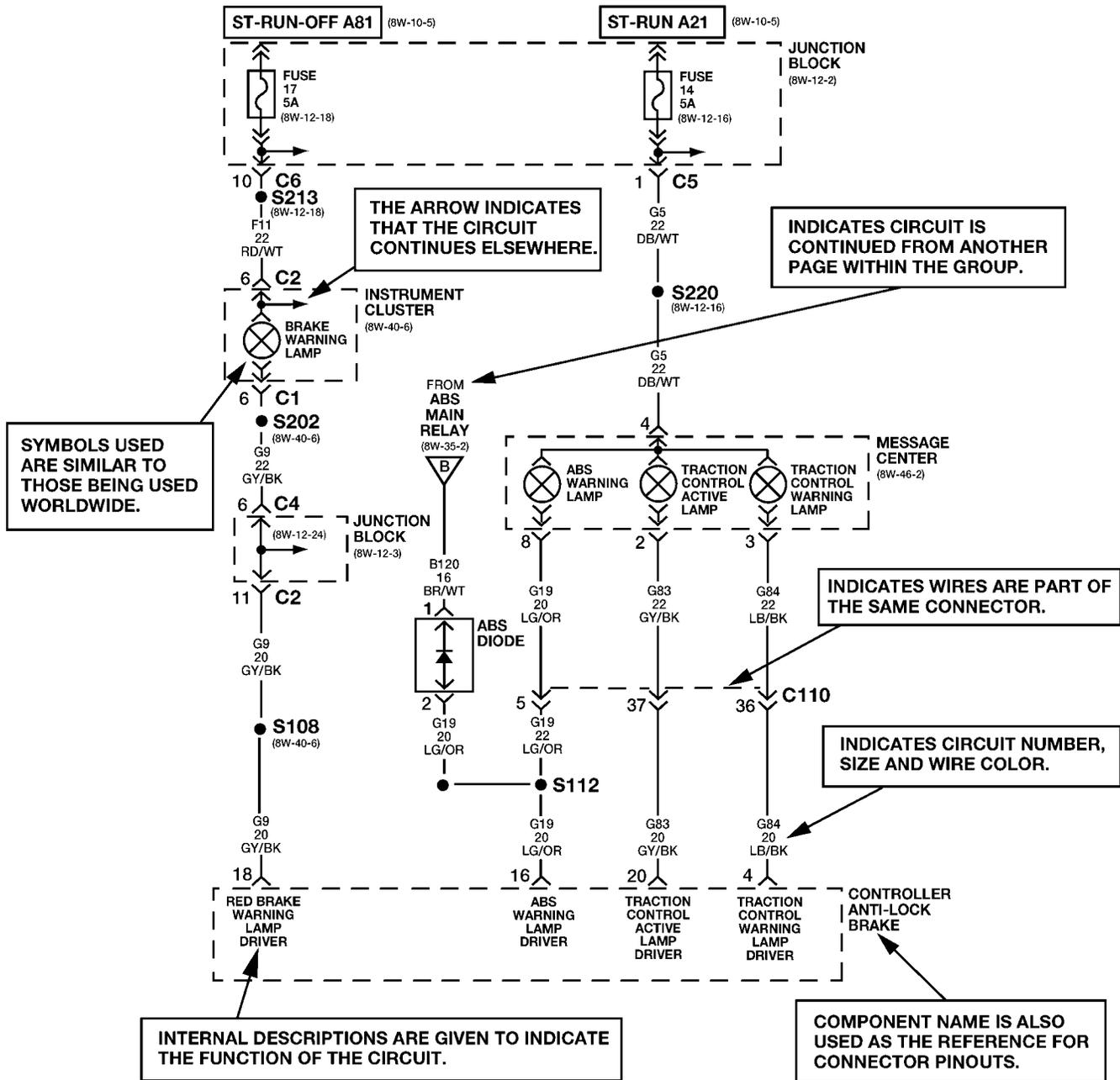
It is important to realize that no attempt is made on the diagrams to represent components and wiring as they appear on the vehicle. For example, a short piece of wire is treated the same as a long one. In addition, switches and other components are shown as simply as possible, with regard to function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

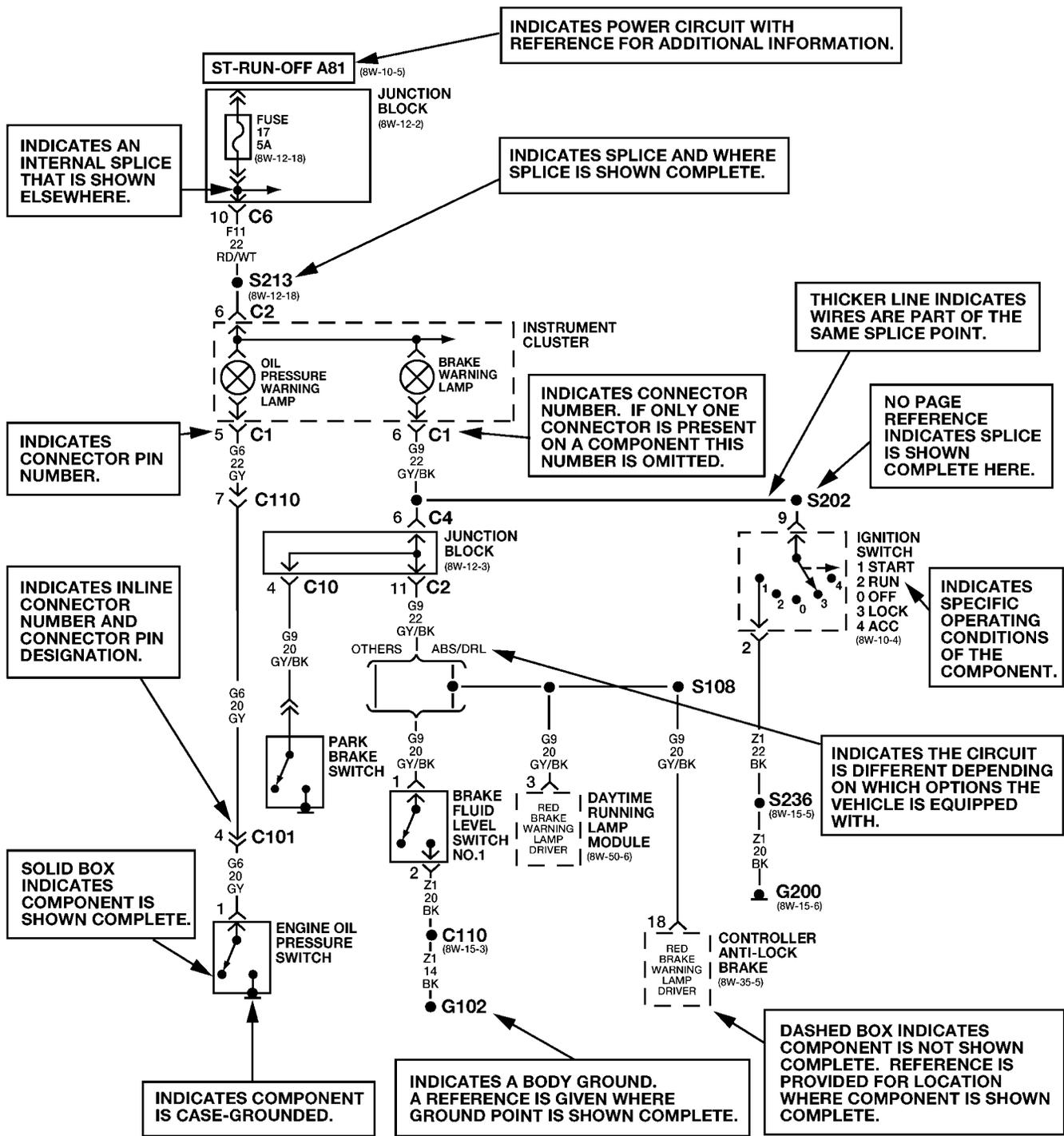


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The System shown here is an **EXAMPLE ONLY**. It does not represent the actual circuit shown in the **WIRING DIAGRAM SECTION**.

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)

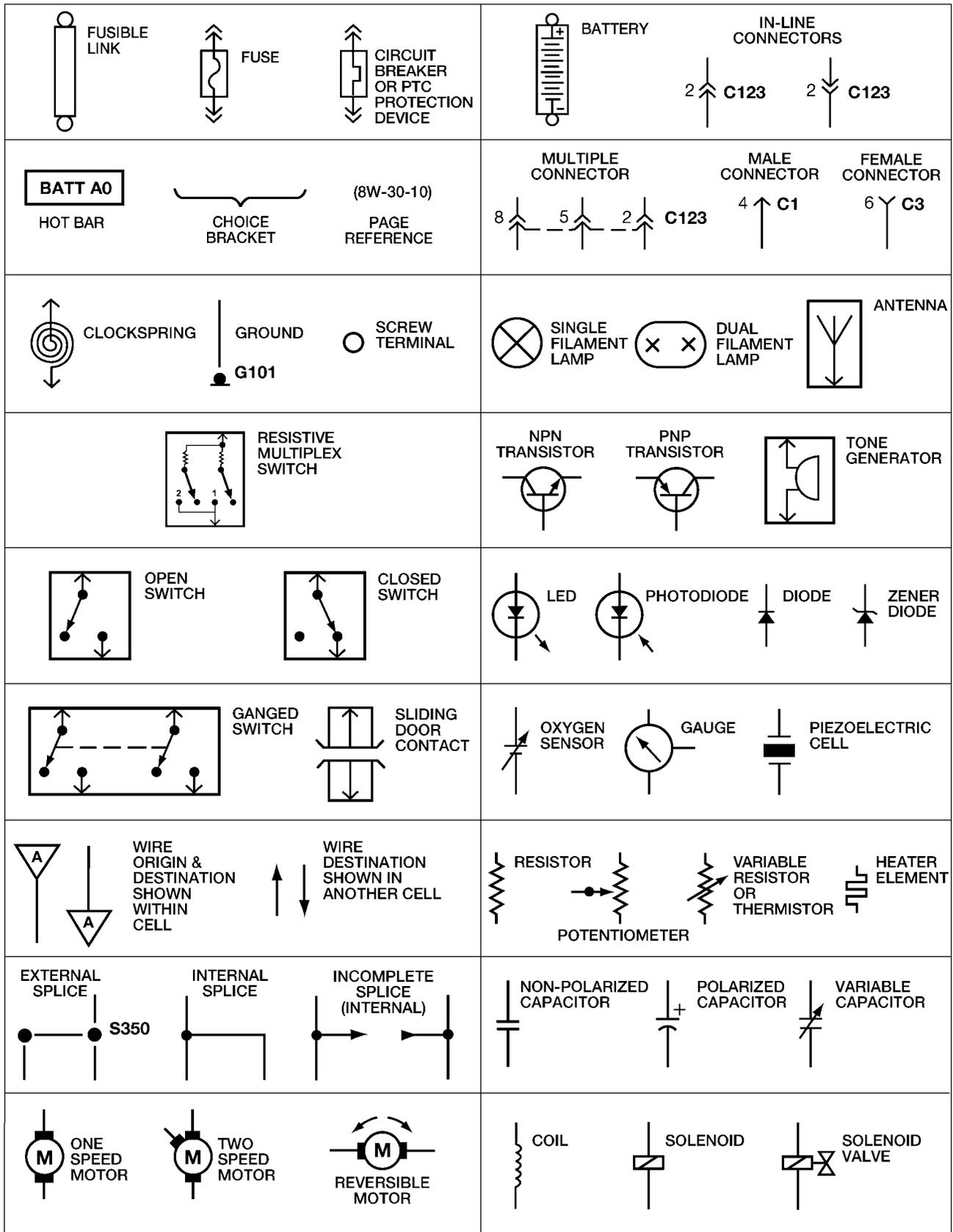


Fig. 3 WIRING DIAGRAM SYMBOLS

WIRING DIAGRAM INFORMATION (Continued)

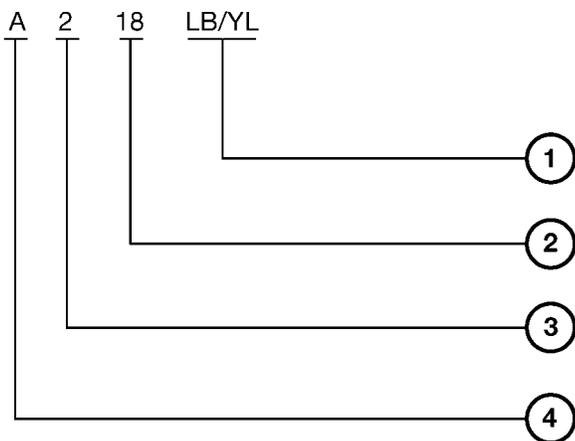
**TERMINOLOGY**

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.

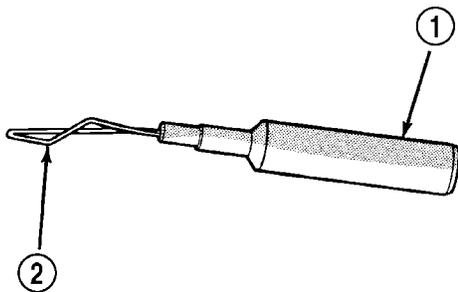
**CAUTION:** Most of the electrical components used in today's vehicles are Solid State. When checking voltages in these circuits, use a meter with a 10 - megohm or greater impedance rating.

## 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**

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- 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.

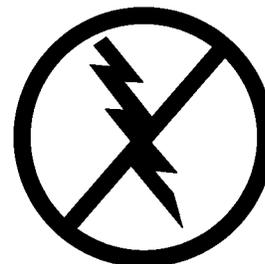
- (1) Verify the problem.
- (2) Verify any related symptoms. Do this by performing operational checks on components that are in the same circuit. Refer to the wiring diagrams.
- (3) Analyze the symptoms. Use the wiring diagrams to determine what the circuit is doing, where the problem most likely is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



**Fig. 6 ELECTROSTATIC DISCHARGE SYMBOL**

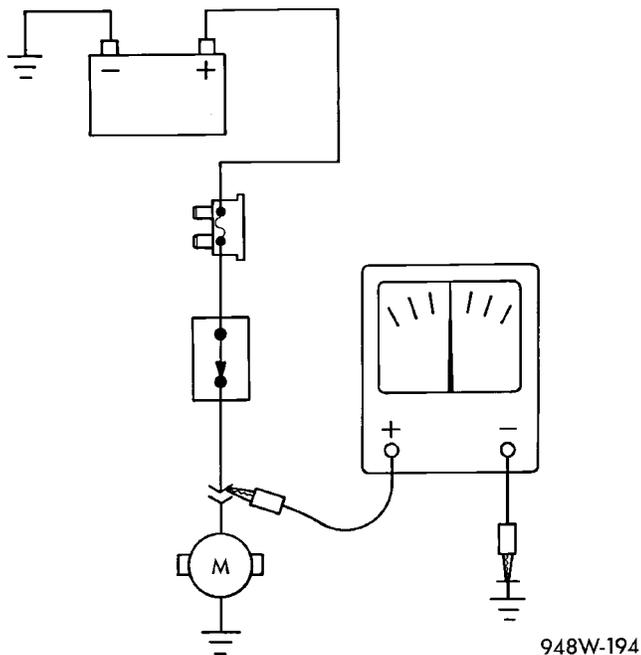
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## WIRING DIAGRAM INFORMATION (Continued)

**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.



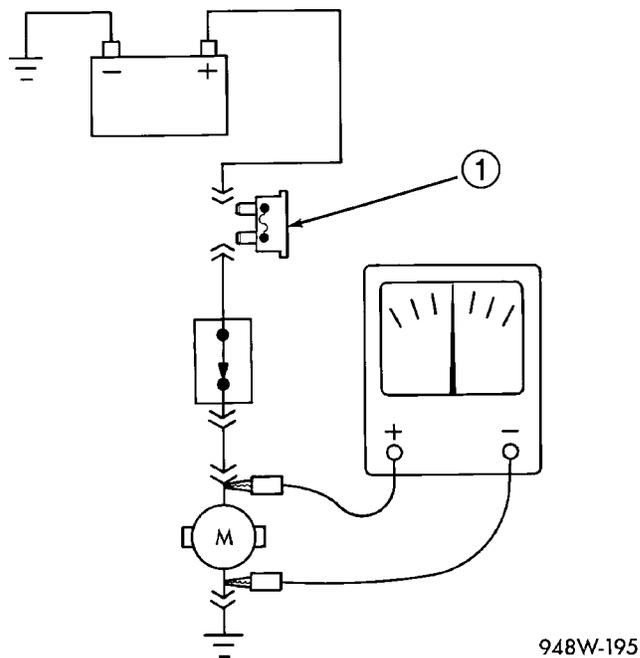
**Fig. 7 TESTING FOR VOLTAGE POTENTIAL**

**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.

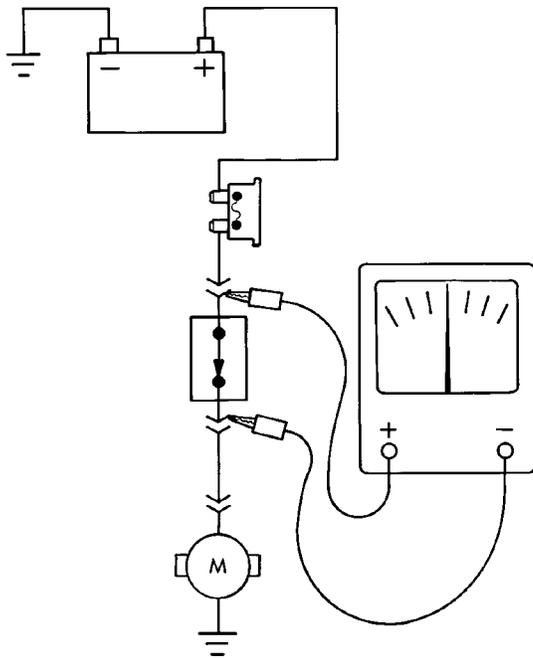
WIRING DIAGRAM INFORMATION (Continued)

**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**

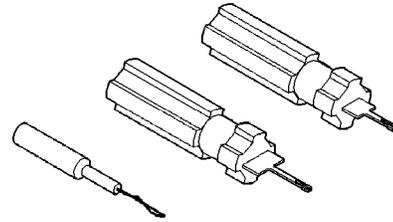
- (1) Connect the positive lead of the voltmeter to the side of the circuit closest to the battery (Fig. 9).
- (2) Connect the other lead of the voltmeter to the other side of the switch, component or circuit.
- (3) Operate the item.
- (4) The voltmeter will show the difference in voltage between the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



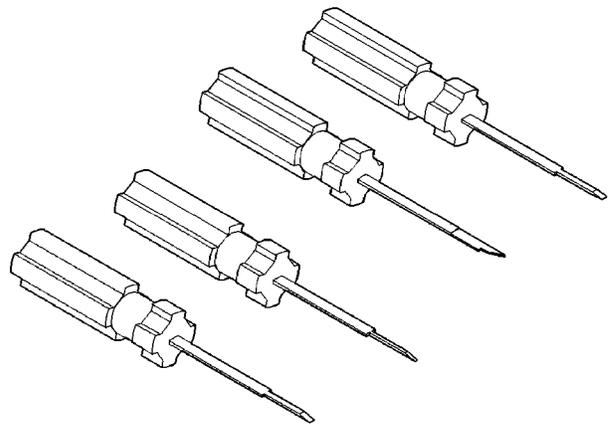
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**Fig. 9 TESTING FOR VOLTAGE DROP**

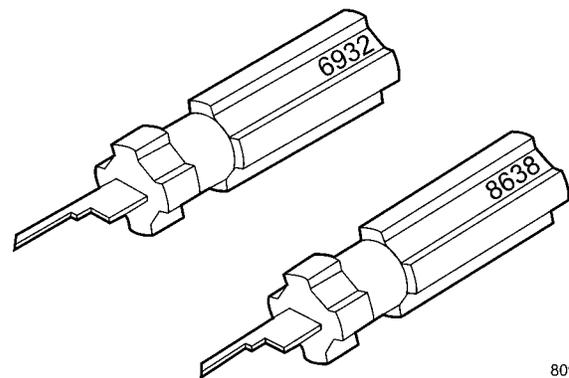
**SPECIAL TOOLS  
WIRING/TERMINAL**



**PROBING TOOL PACKAGE 6607**

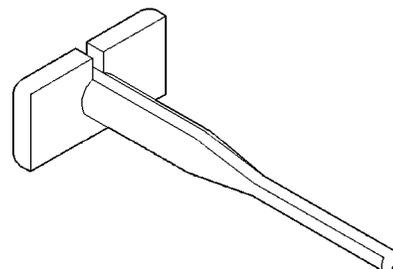


**TERMINAL PICK TOOL SET 6680**



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**TERMINAL REMOVING TOOLS 6932 AND 8638**

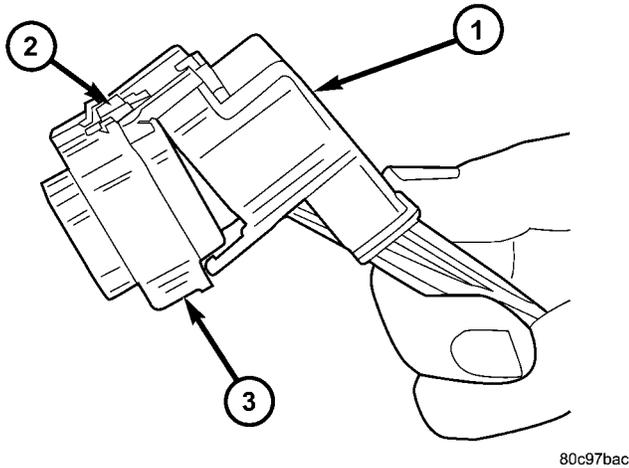


**TERMINAL REMOVING TOOL 6934**

## 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.

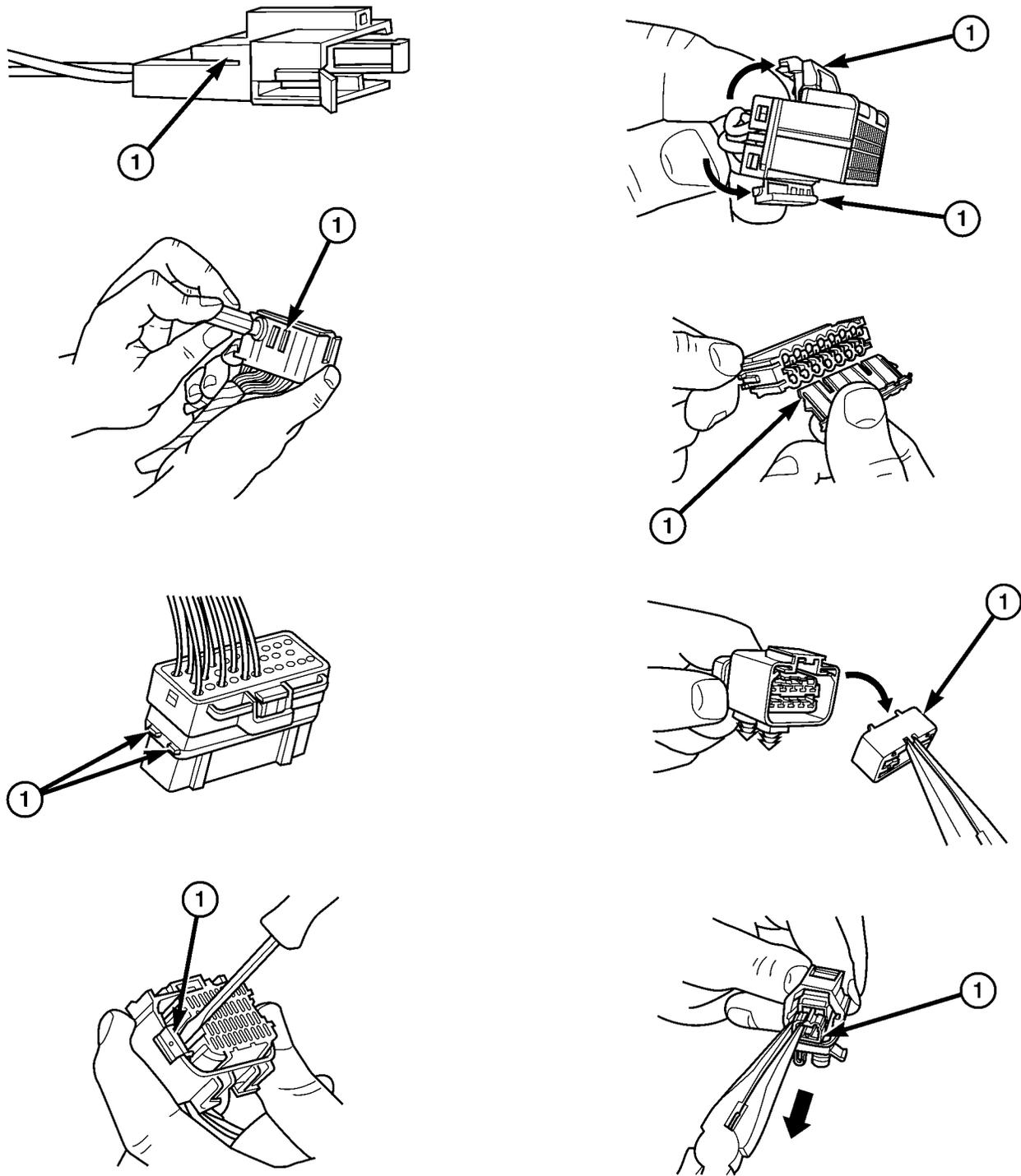
(3) When the connector is re-assembled, the secondary terminal lock must be placed in the locked position to prevent terminal push out.

(4) Replace dress cover (if applicable).

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

(6) Connect battery and test all affected systems.

CONNECTOR (Continued)



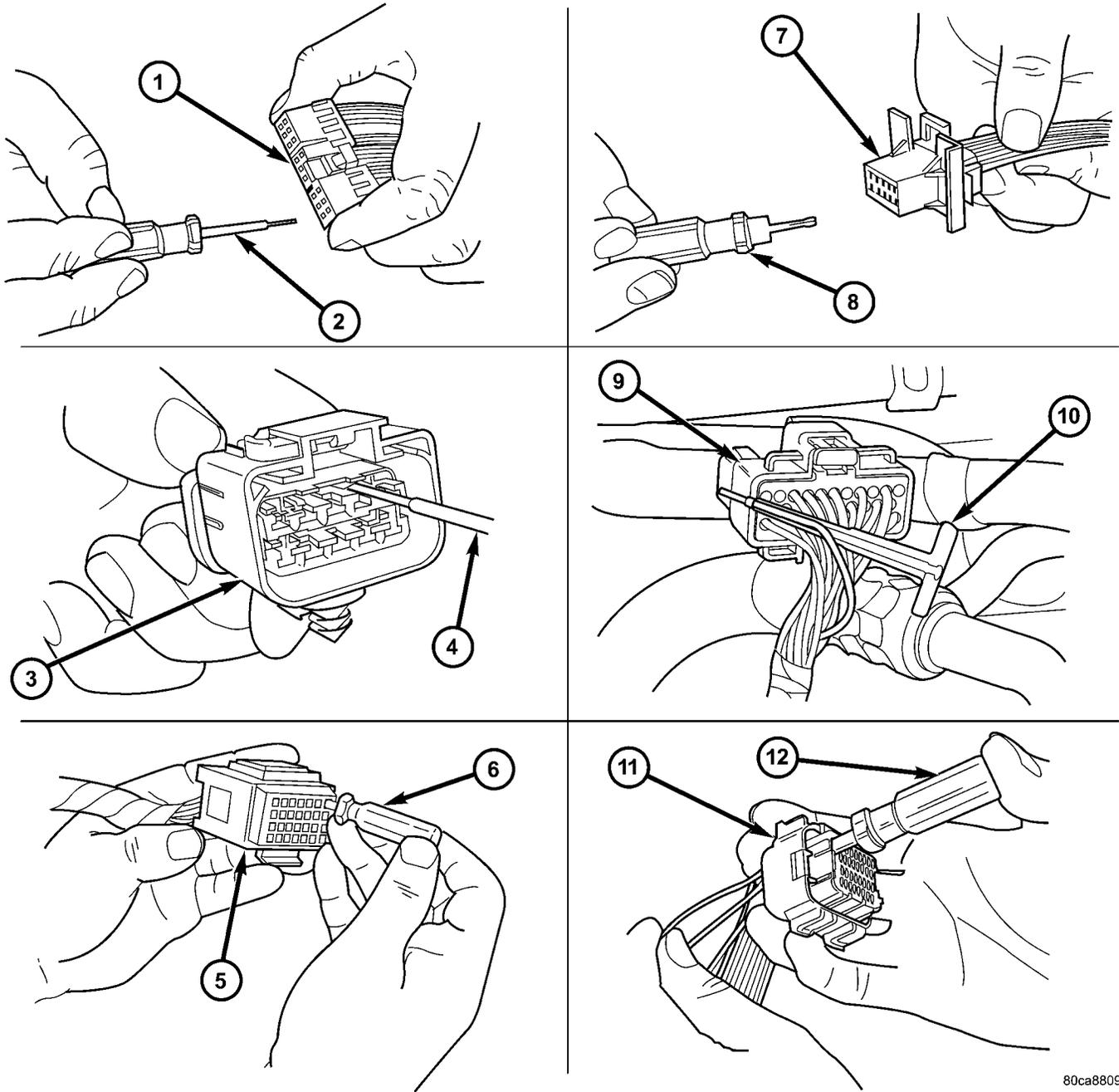
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**Fig. 11 EXAMPLES OF CONNECTOR SECONDARY TERMINAL LOCKS**

1 - Secondary Terminal Lock

CONNECTOR (Continued)



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**Fig. 12 TERMINAL REMOVAL**

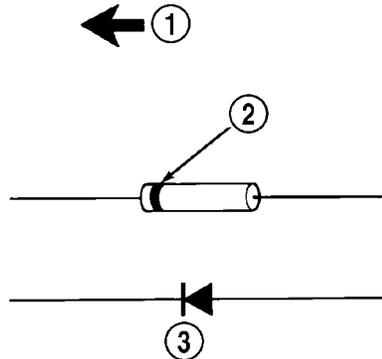
- 1 - TYPICAL CONNECTOR
- 2 - PICK FROM SPECIAL TOOL KIT 6680
- 3 - APEX CONNECTOR
- 4 - PICK FROM SPECIAL TOOL KIT 6680
- 5 - AUGAT CONNECTOR
- 6 - SPECIAL TOOL 6932

- 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).



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**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

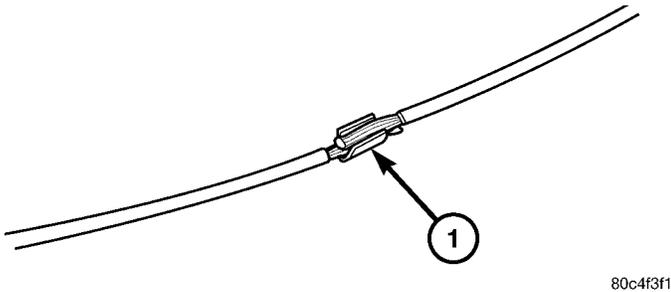
## STANDARD PROCEDURE - WIRE SPLICING

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.

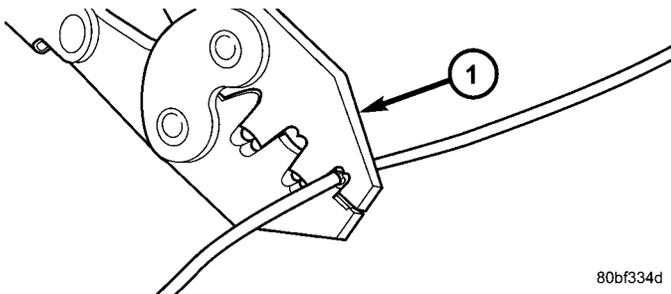
(3) Place the strands of wire overlapping each other inside of the splice clip (Fig. 14).



**Fig. 14 SPLICE BAND**

1 - SPLICE BAND

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

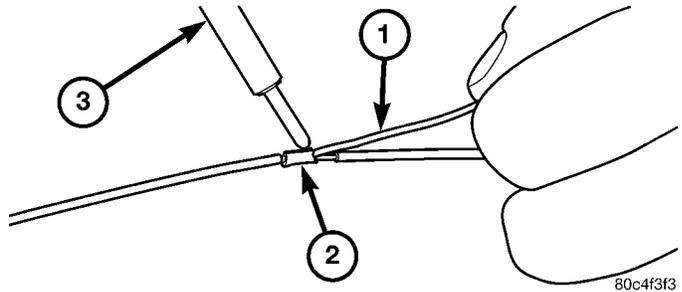


**Fig. 15 CRIMPING TOOL**

1 - CRIMPING TOOL

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

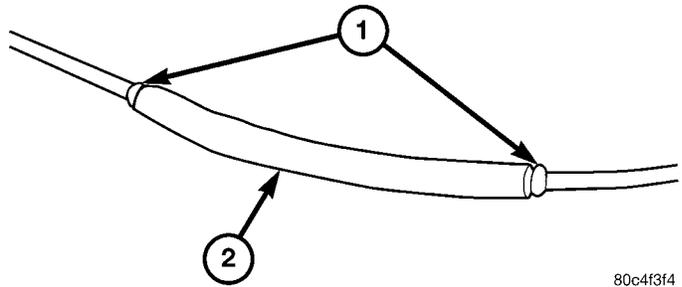
**CAUTION: DO NOT USE ACID CORE SOLDER.**



**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

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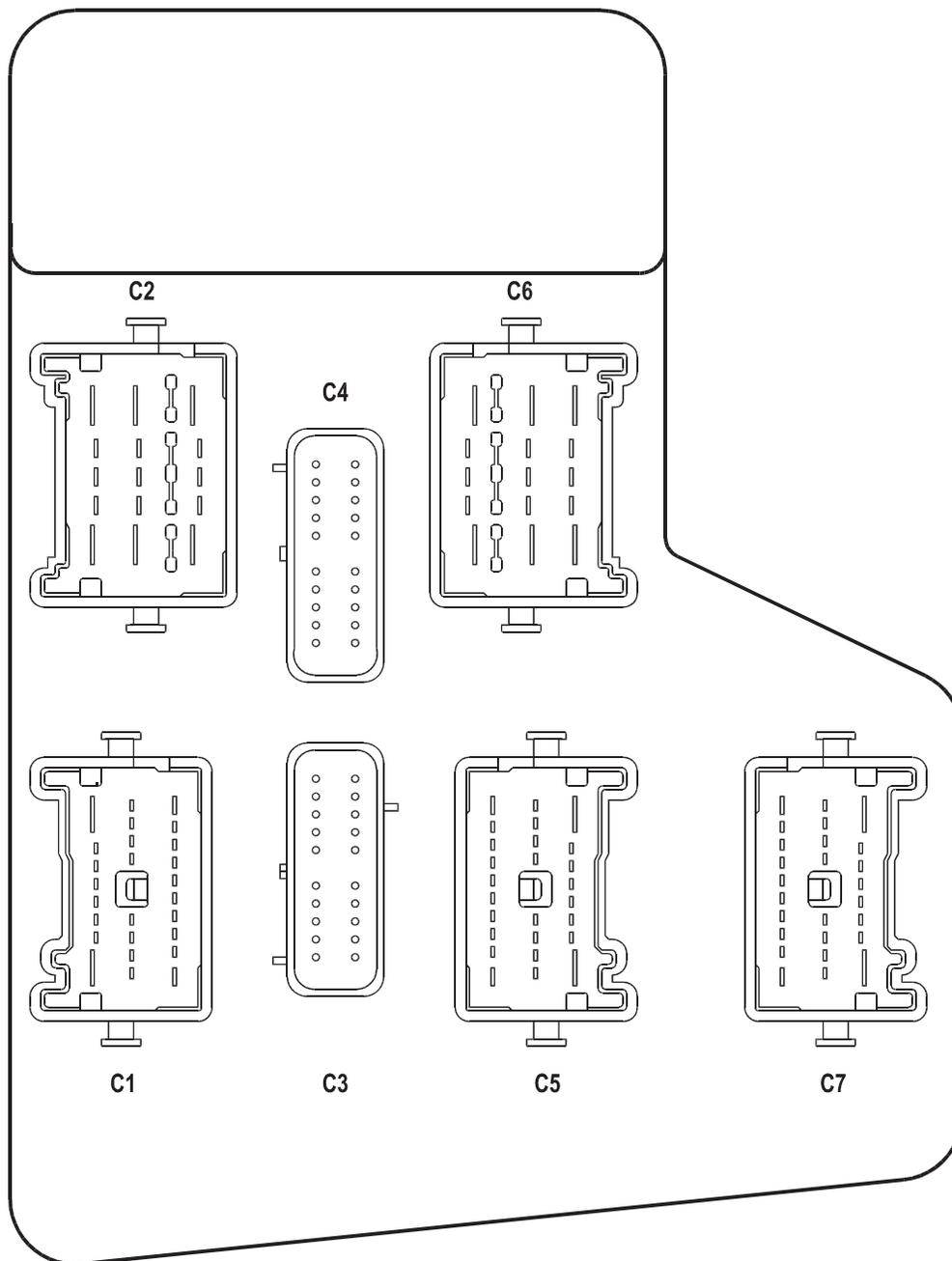
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INTEGRATED POWER MODULE  
(REAR VIEW)



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FUSE NO.	AMPS	FUSED CIRCUIT	FUNCTION
1	40	Y133 14RD/OR	FUSED B(+)
2	30	INTERNAL	FUSED B(+)
3	30	A22 16BK/OR	FUSED B(+)
4	40	A2 10PK/BK	FUSED B(+)
5	40	INTERNAL	FUSED B(+)
6	40	A10 12RD/DG	FUSED B(+)
7	50	F37 12RD/LB	FUSED B(+)
8	30	INTERNAL	FUSED B(+)
9	40	A30 10RD/WT	FUSED B(+)
10	40	Y131 14RD/WT	FUSED B(+)
11	30	INTERNAL	FUSED B(+)
12	40	A112 12RD/TN <input type="checkbox"/>	FUSED IGNITION SWITCH OUTPUT (RUN-START)
12	30	A17 16 RD/BK <input type="checkbox"/>	FUSED IGNITION SWITCH OUTPUT (RUN-START)
13	30	INTERNAL	FUSED B(+)
14	30	INTERNAL	FUSED B(+)
15	50	INTERNAL	FUSED B(+)
16	10	INTERNAL	FUSED B(+)
17	15	F32 18RD/YL	FUSED B(+)
18	15	E1 20TN	FUSED B(+)
19	20	A14 20RD/WT	FUSED B(+)
20	25	A1 16RD	FUSED B(+)
21	20	F75 18VT	FUSED B(+)
22	20	F35 18RD	FUSED B(+)
23	-	-	-
24	15	A108 18TN/RD	FUSED B(+)
25	20	A12 18RD/TN	FUSED B(+)
26	25A	INTERNAL	FUSED B(+)
27	15	INTERNAL	FUSED B(+)
28	10	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
29	20	F30 18RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
30	-	-	-
31	-	-	-
32	10	L7 18BK/YL	FUSED PARK LAMP RELAY OUTPUT
33	20	L76 18BK/OR	FUSED PARK LAMP RELAY OUTPUT

DIESEL  
 GAS

**FUSES**

FUSE NO.	AMPS	FUSED CIRCUIT	FUNCTION
34	10	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
35	10	A20 20RD/DB	FUSED IGNITION SWITCH OUTPUT (RUN)
36	10	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN)
37	-	-	-
38	15	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
39	25	INTERNAL	FUSED B(+)
40	15	INTERNAL	FUSED B(+)
41	15	INTERNAL	FUSED B(+)
42	20	Y148 18YL/RD	FUSED B(+)
43	25	A34 16LB/RD	FUSED B(+)
44	20	INTERNAL	FUSED B(+)
45	20	INTERNAL	FUSED B(+)
46	15	INTERNAL	FUSED B(+)
47	15	INTERNAL	FUSED B(+)
48	20	F235 18RD	FUSED B(+)
49	20	INTERNAL	FUSED AUTO SHUT DOWN RELAY OUTPUT
50	10	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
51	20	M1 18PK	FUSED B(+)
52	20	F23 18DB/YL	FUSED IGNITION SWITCH OUTPUT (RUN)
53	20	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)

**POSITIVE TEMPERATURE COEFFICIENTS (PTC)**

PTC NO.	AMPS	FUSED CIRCUIT	FUNCTION
1	7.5	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN)
2	4.5	Y105 20BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
3	13	-	-
4	13	-	-
5	7.5	INTERNAL	FUSED B(+)

**A/C  
COMPRESSOR  
CLUTCH  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
86	C13 18DB/OR	A/C COMPRESSOR CLUTCH RELAY CONTROL
85	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
87	C3 18DB/BK	A/C COMPRESSOR CLUTCH RELAY OUTPUT
87A	-	-

**ADJUSTABLE  
PEDAL  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	INTERNAL	FUSED B(+)
86	INTERNAL	ADJUSTABLE PEDAL RELAY CONTROL
87A	Y153 18DB/RD	ADJUSTABLE PEDAL RELAY OUTPUT
87	-	-

**AUTO  
SHUT  
DOWN  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	INTERNAL	FUSED B(+)
86	K51 18DB/YL	AUTO SHUT DOWN RELAY CONTROL
87	INTERNAL	AUTO SHUT DOWN RELAY OUTPUT
87A	-	-

**CONDENSER  
FAN  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	A17 16RD/BK	FUSED B(+)
85	A17 16RD/BK	FUSED B(+)
86	Y145 18DB/YL	CONDENSER FAN RELAY CONTROL
87	C23 16DG	CONDENSER FAN RELAY OUTPUT
87A	-	-

**HEATED MIRROR RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN)
86	C16 20LB/YL	HEATED MIRROR RELAY CONTROL
87	F121 16TN/BK	HEATED MIRROR RELAY OUTPUT
87A	-	-

**FOG LAMP RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	INTERNAL	FUSED B(+)
86	INTERNAL	FOG LAMP RELAY CONTROL
87	L39 18LB	FOG LAMP RELAY OUTPUT
87A	-	-

**FUEL PUMP RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
86	K31 18BR	FUEL PUMP RELAY CONTROL
87	A64 16DG/WT	FUEL PUMP RELAY OUTPUT
87A	-	-

**HORN RELAY**

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

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**OXYGEN  
SENSOR  
DOWNSTREAM  
RELAY  
(CALIFORNIA)**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED AUTO SHUT DOWN RELAY OUTPUT
85	INTERNAL	FUSED AUTO SHUT DOWN RELAY OUTPUT
86	K127 18DB/OR	OXYGEN SENSOR DOWNSTREAM RELAY CONTROL
87	A42 18DG	OXYGEN SENSOR DOWNSTREAM RELAY OUTPUT
87A	-	-

**PARK  
LAMP  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	INTERNAL	FUSED B(+)
86	INTERNAL	PARK LAMP RELAY CONTROL
87	INTERNAL	PARK LAMP RELAY OUTPUT
87A	-	-

**STARTER  
MOTOR  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	A41 16YL	FUSED IGNITION SWITCH OUTPUT (START)
86	T24 18BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE (T41)
87	T40 14BR	STARTER MOTOR RELAY OUTPUT
87A	-	-

**TRAILER  
TOW  
LEFT  
TURN  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	INTERNAL	FUSED B(+)
86	INTERNAL	TRAILER TOW LEFT TURN RELAY CONTROL
87	Y141 18DG/WT	TRAILER TOW LEFT TURN RELAY OUTPUT
87A	-	-

**TRAILER  
TOW  
RIGHT  
TURN  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	INTERNAL	FUSED B(+)
86	INTERNAL	TRAILER TOW RIGHT TURN RELAY CONTROL
87	Y140 18WT/PK	TRAILER TOW RIGHT TURN RELAY OUTPUT
87A	-	-

**TRANSMISSION  
CONTROL  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	K30 18PK	TRANSMISSION CONTROL RELAY CONTROL
86	K173 18LG □□□	GROUND
87	T16 14RD	TRANSMISSION CONTROL RELAY OUTPUT
87A	-	-
86	K173 18LG ▲▲▲	GENERATOR SOURCE

**WIPER  
HIGH/  
LOW  
RELAY**

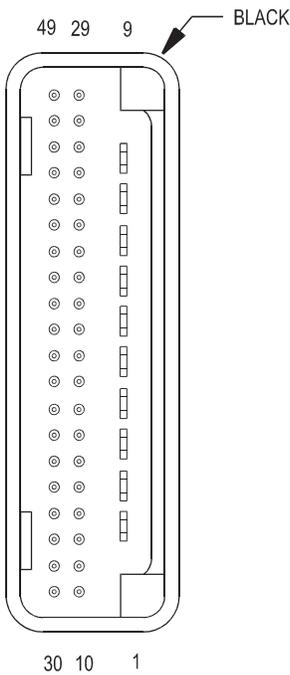
CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	WIPER CONTROL
85	INTERNAL	WIPER SPEED RELAY CONTROL
86	INTERNAL	FUSED B(+)
87	V4 16RD/YL	WIPER RELAY HIGH SPEED OUTPUT
87A	V3 16BR/WT	WIPER RELAY LOW SPEED OUTPUT

**WIPER  
ON/  
OFF  
RELAY**

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	WIPER CONTROL
85	INTERNAL	WIPER ON/OFF RELAY CONTROL
86	INTERNAL	FUSED B(+)
87	INTERNAL	FUSED B(+)
87A	Z316 12BK/OR	GROUND

□□□ 3.7L/4.7L

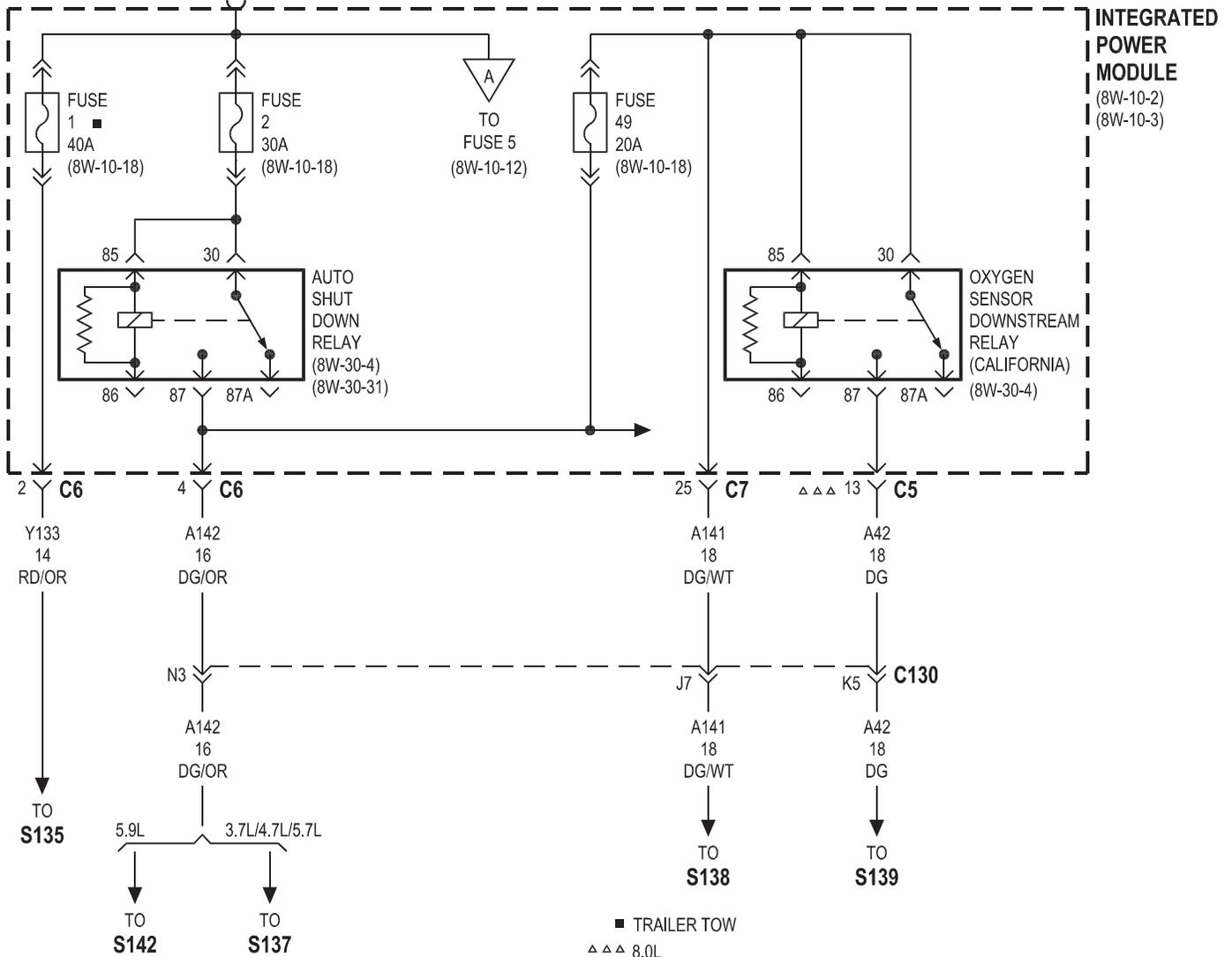
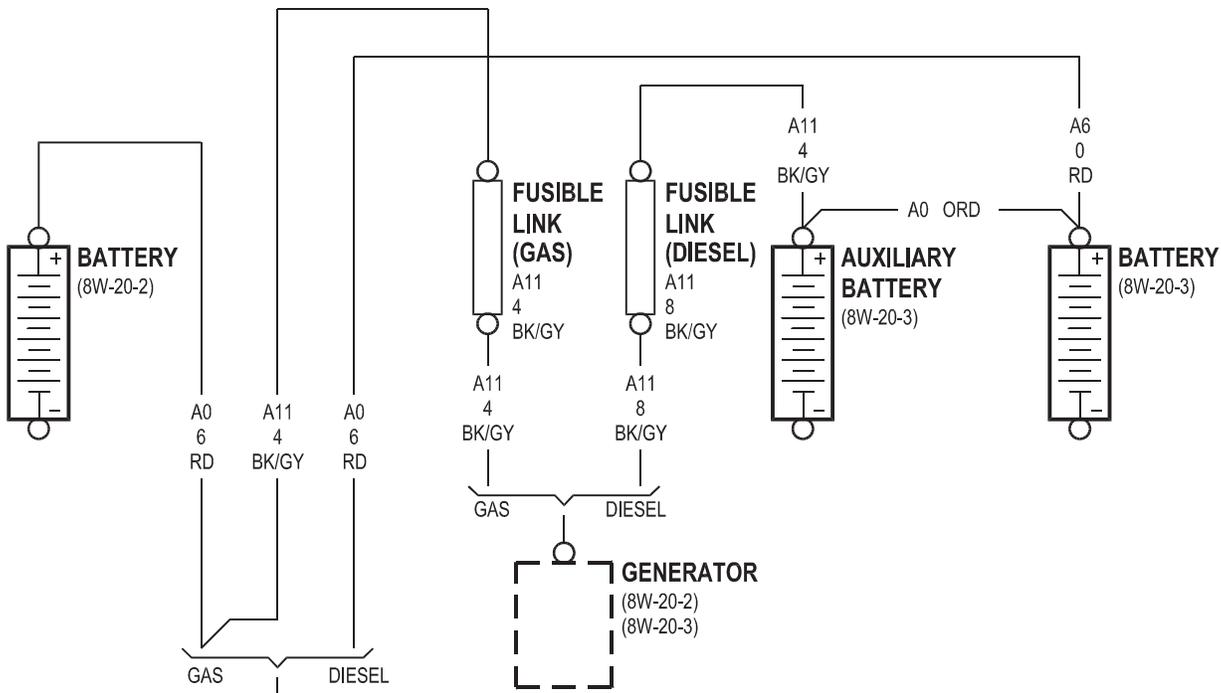
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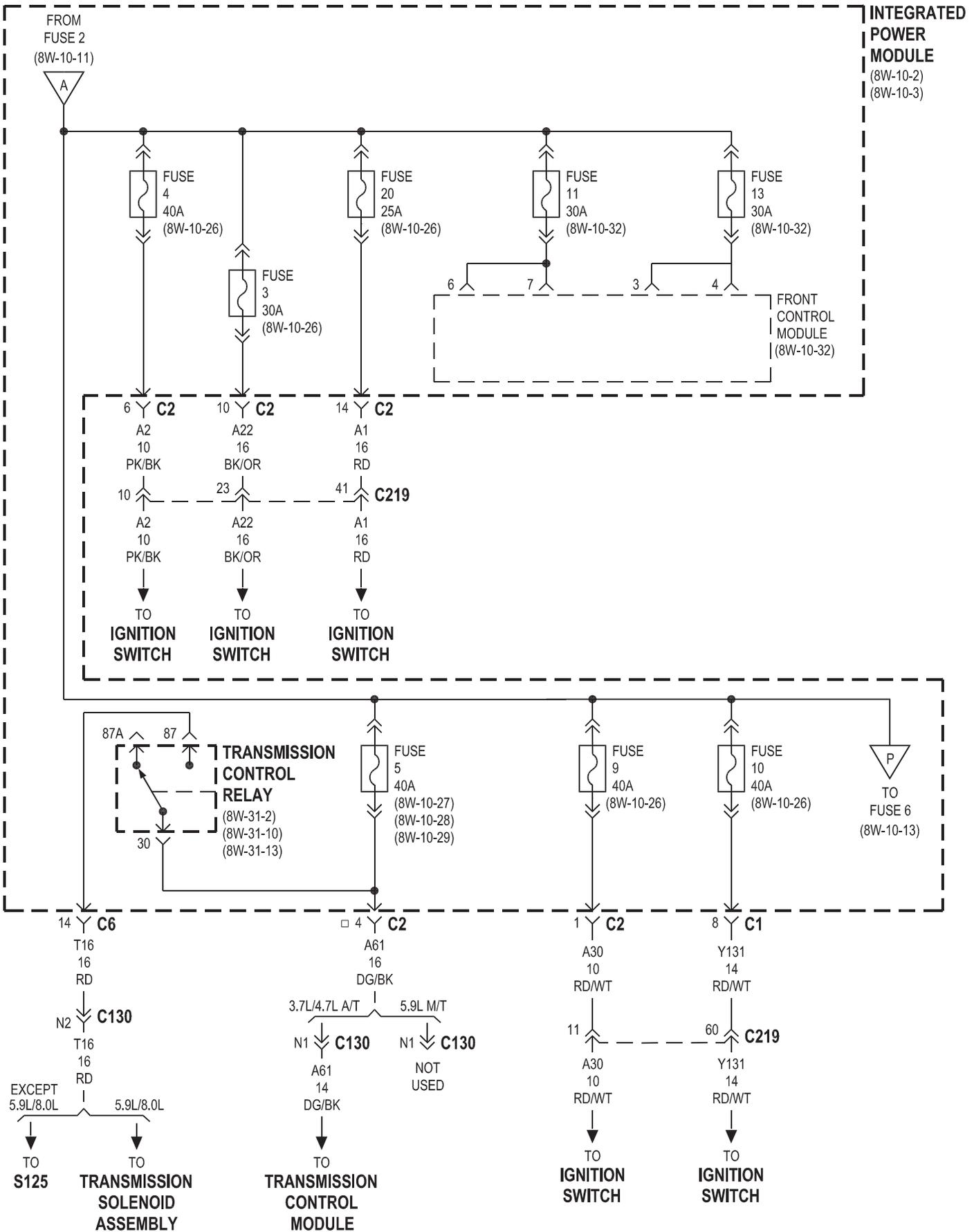


**INTEGRATED  
POWER  
MODULE  
FCM**

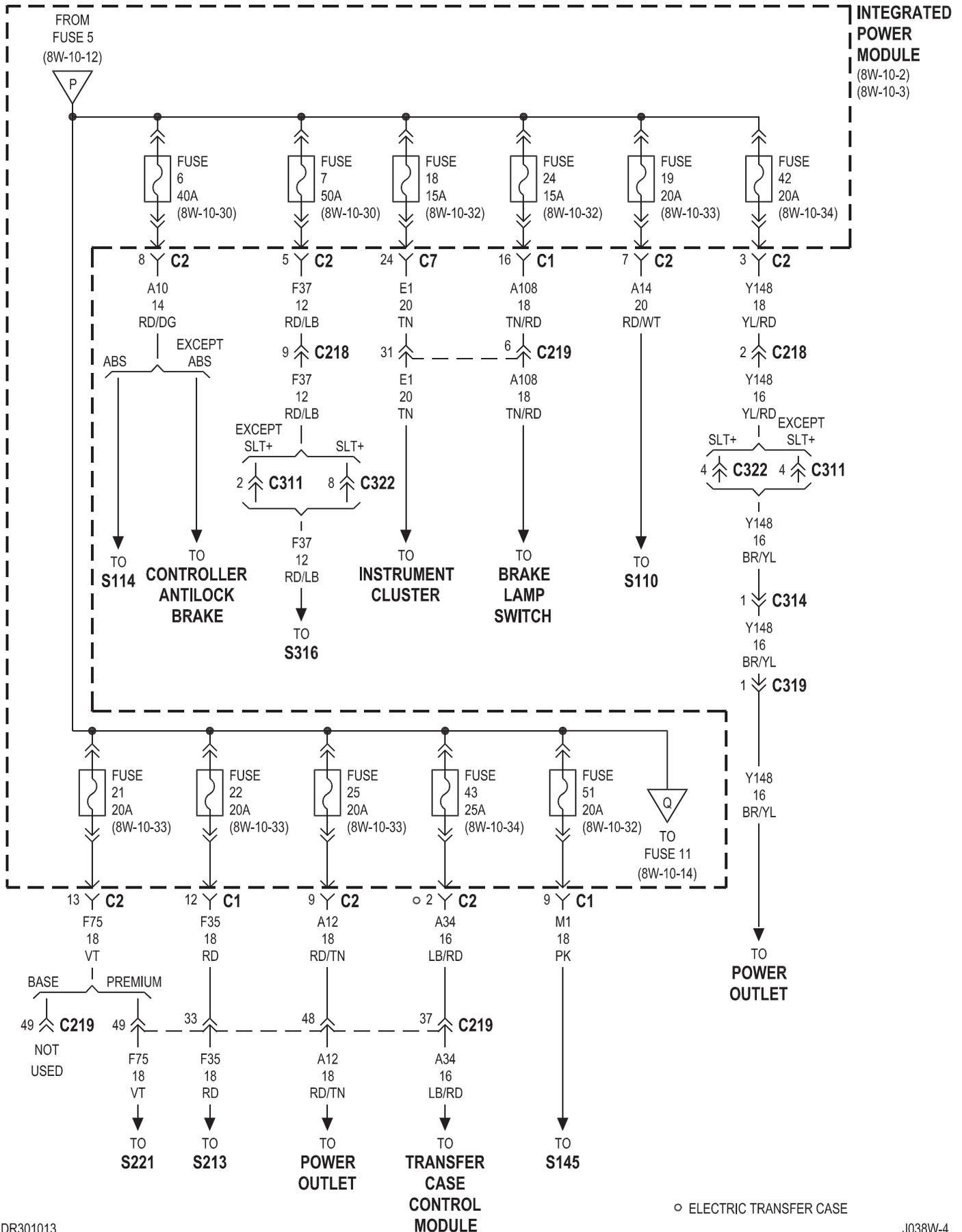
CAV	CIRCUIT	FUNCTION
1	Y169	RIGHT LOW BEAM DRIVER
2	Y170	LEFT HIGH BEAM DRIVER
3	INTERNAL	FUSED B(+)
4	INTERNAL	FUSED B(+)
5	V10	WASHER PUMP MOTOR SENSE
6	INTERNAL	FUSED B(+)
7	INTERNAL	FUSED B(+)
8	Y168	RIGHT HIGH BEAM DRIVER
9	Y171	LEFT LOW BEAM DRIVER
10	INTERNAL	B(+)
11	-	-
12	Z21	GROUND
13	-	-
14	INTERNAL	TRAILER TOW LEFT TURN RELAY CONTROL
15	INTERNAL	PARK LAMP RELAY CONTROL
16	-	-
17	INTERNAL	WIPER ON/OFF RELAY CONTROL
18	INTERNAL	FOG LAMP RELAY CONTROL
19	L62	RIGHT REAR TURN LAMP DRIVER
20	-	-
21	-	-
22	L1	BACKUP LAMP FEED
23	-	-
24	-	-
25	-	-
26	-	-
27	Z2	GROUND
28	G29	WASHER FLUID SWITCH SENSE
29	G31	AMBIENT TEMPERATURE SENSOR SIGNAL
30	Z12	GROUND
31	Z21	GROUND
32	INTERNAL	HORN RELAY CONTROL
33	-	-
34	INTERNAL	TRAILER TOW RIGHT TURN RELAY CONTROL
35	INTERNAL	ADJUSTABLE PEDAL RELAY CONTROL
36	-	-
37	INTERNAL	WIPER HIGH/LOW RELAY CONTROL
38	D25	PCI BUS
39	-	-
40	-	-
41	L22	RIGHT STOP LAMP DRIVER
42	L61	LEFT FRONT TURN LAMP DRIVER
43	L24	LEFT STOP LAMP DRIVER
44	L63	LEFT REAR TURN LAMP DRIVER
45	L60	RIGHT FRONT TURN LAMP DRIVER
46	Y137	SENSOR GROUND
47	Z12	GROUND
48	INTERNAL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
49	V5	WIPER PARK SWITCH SENSE

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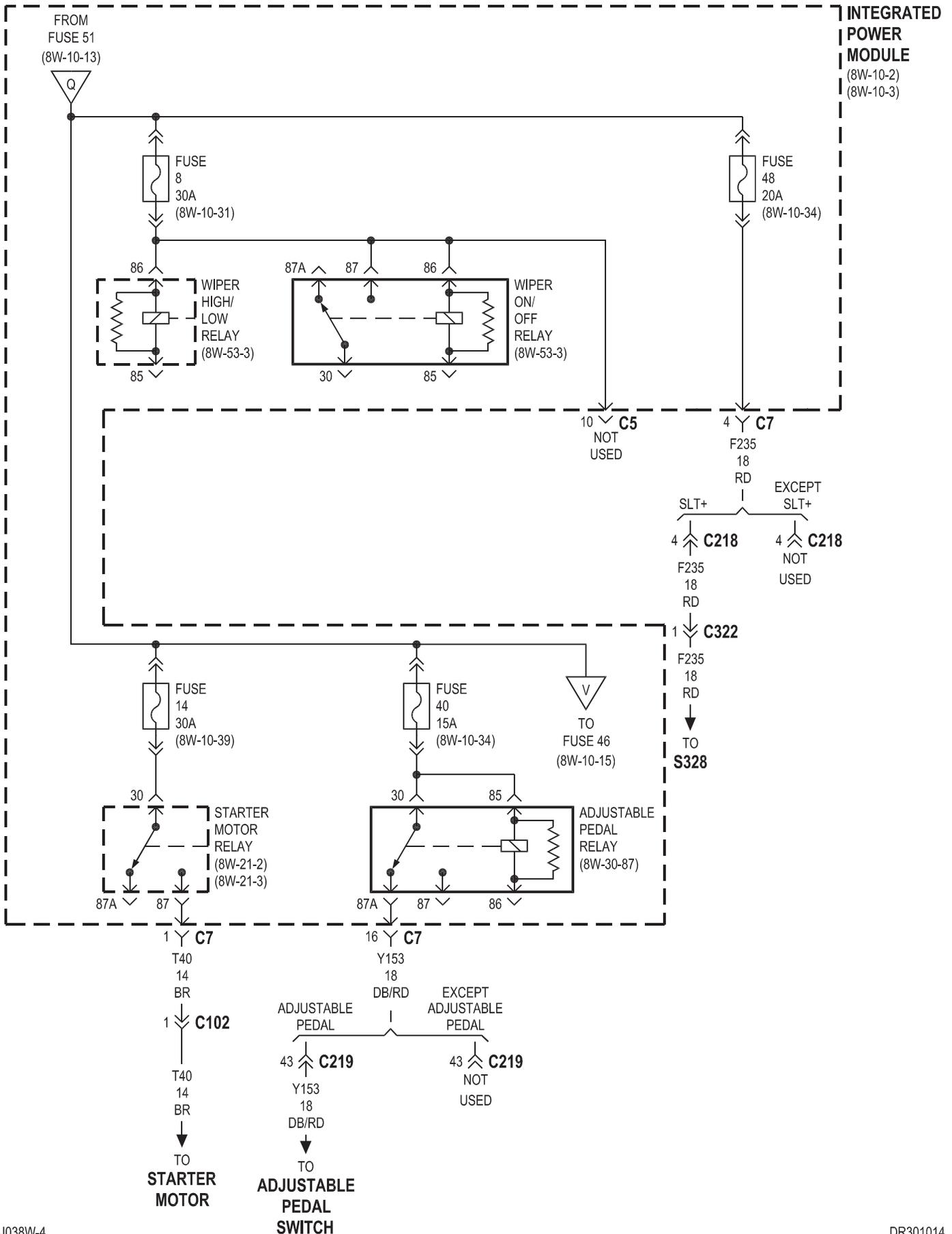




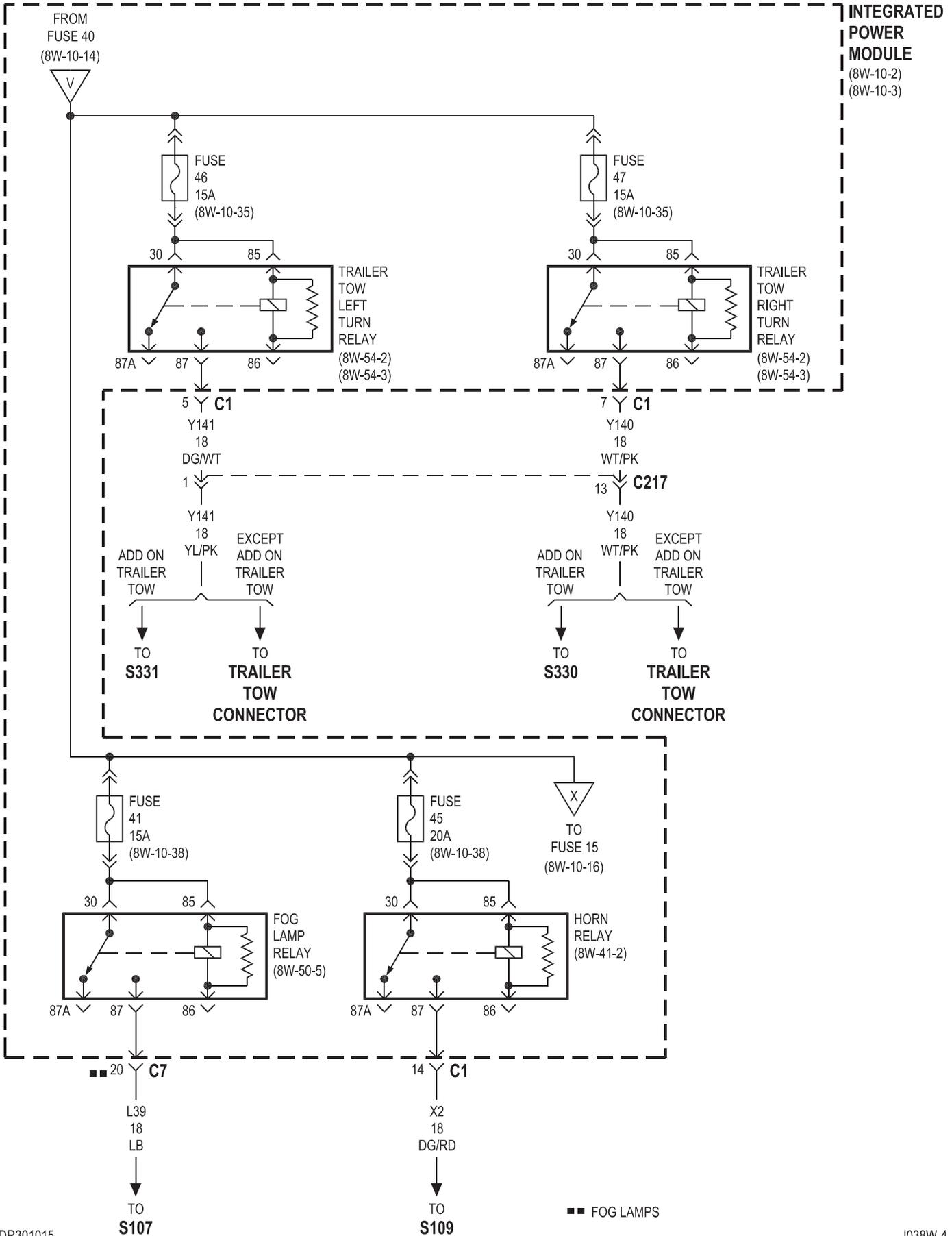
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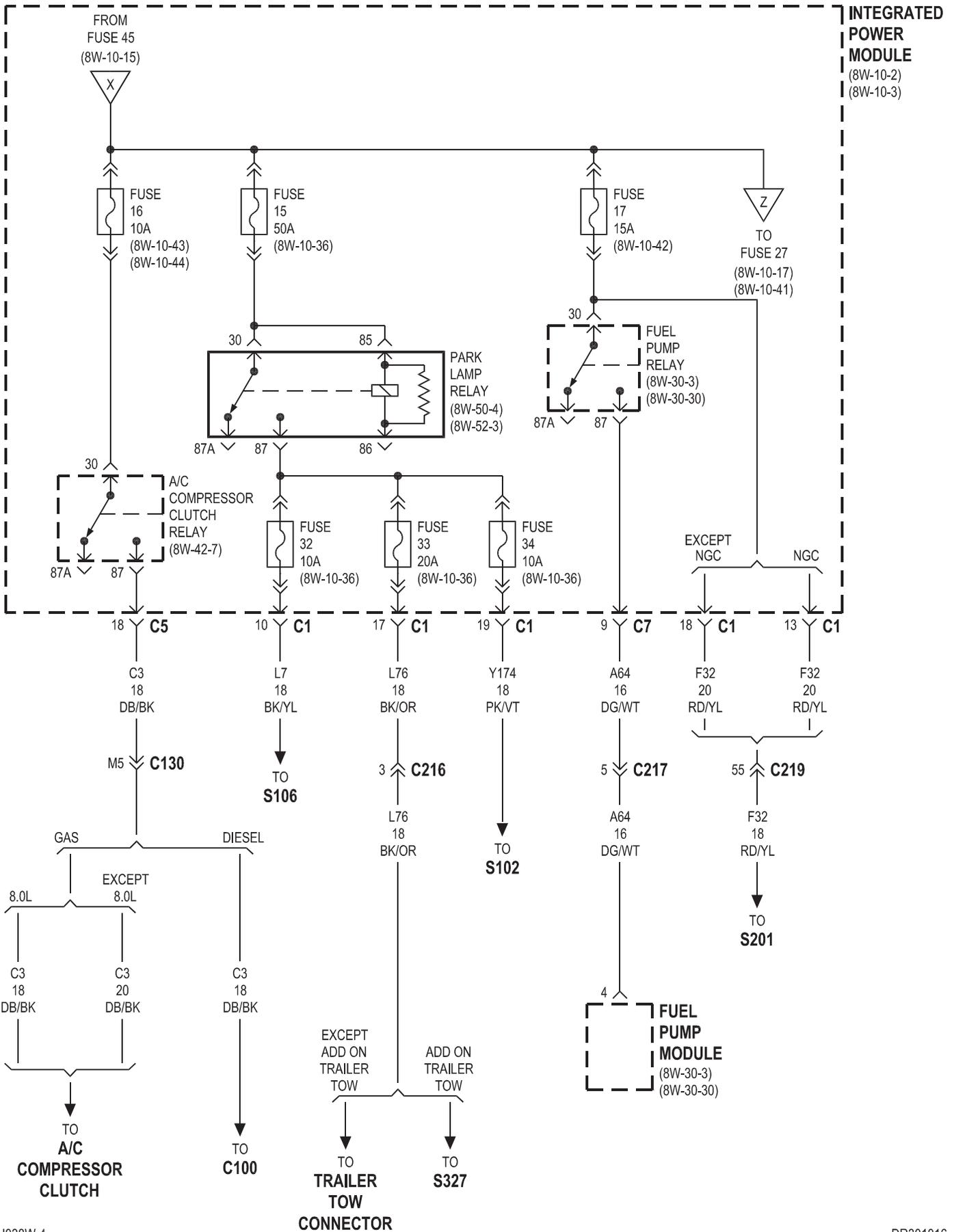
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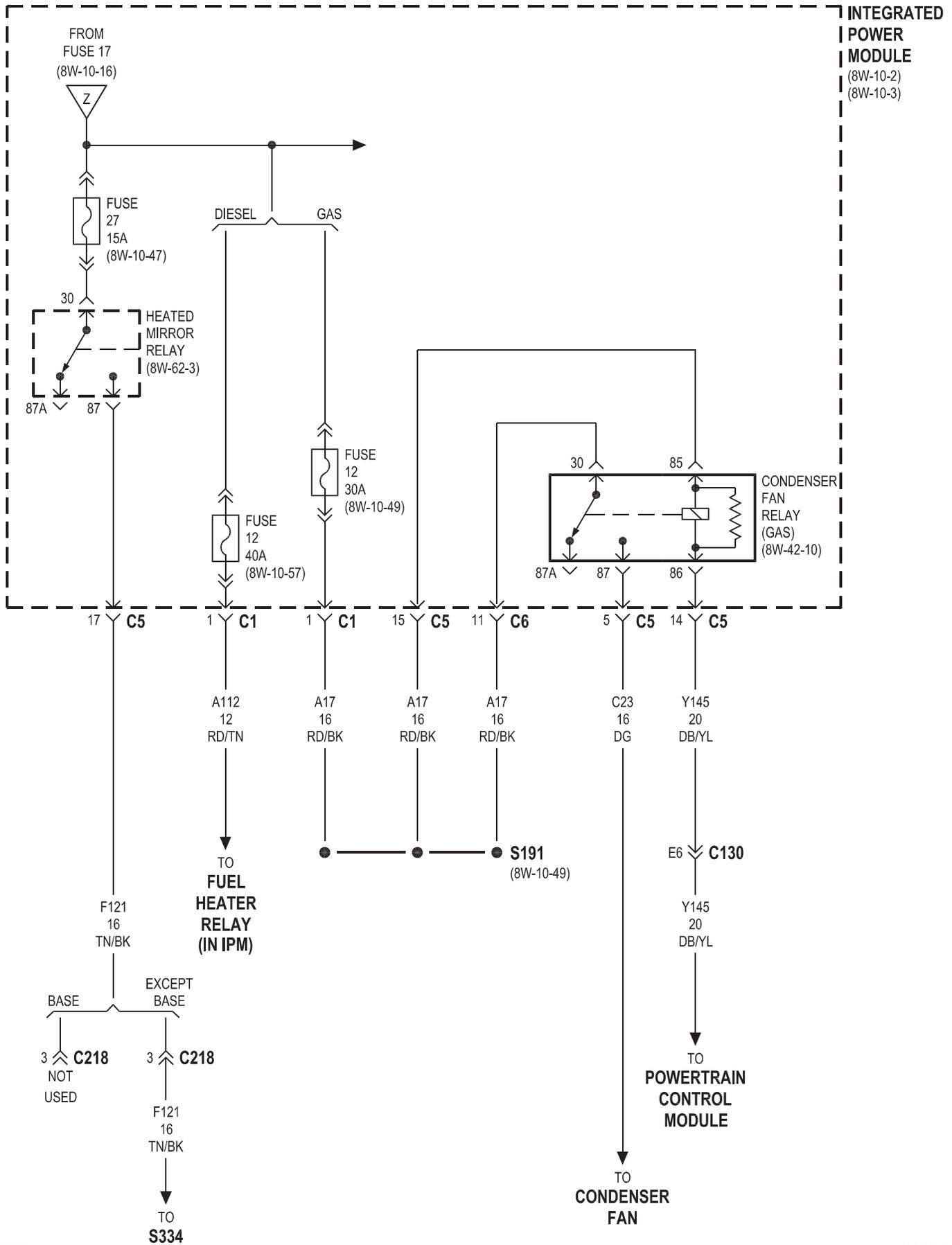
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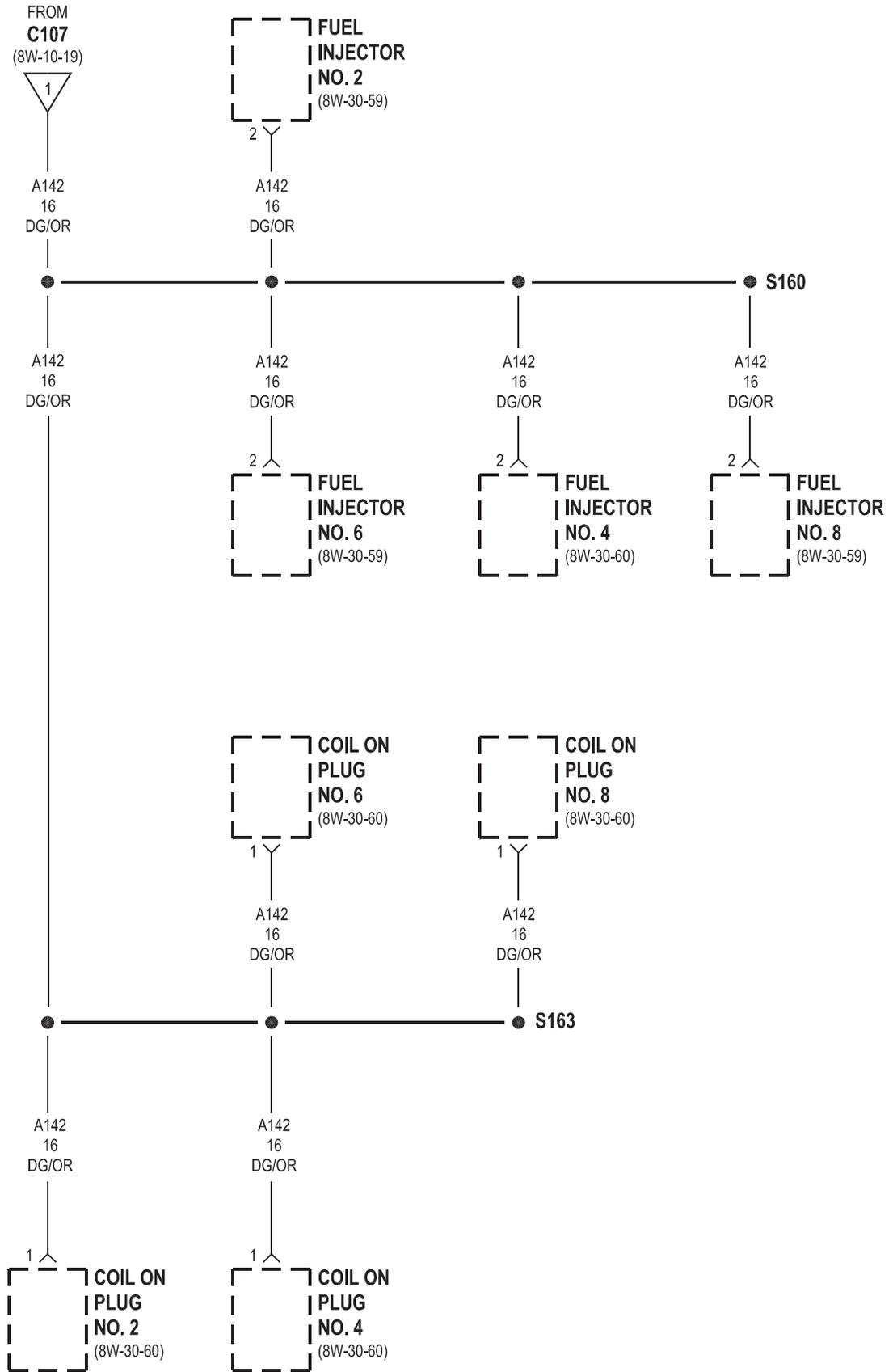


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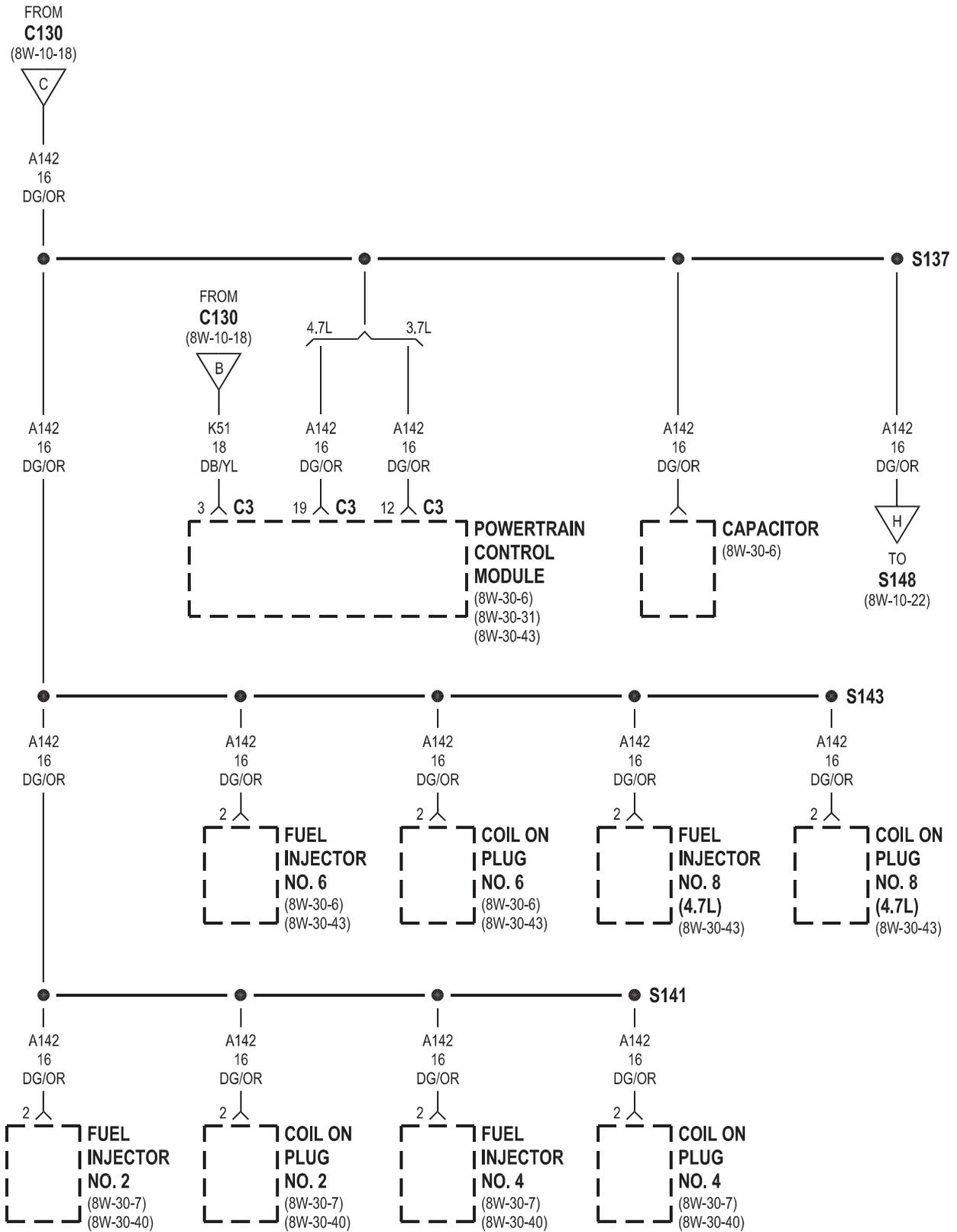




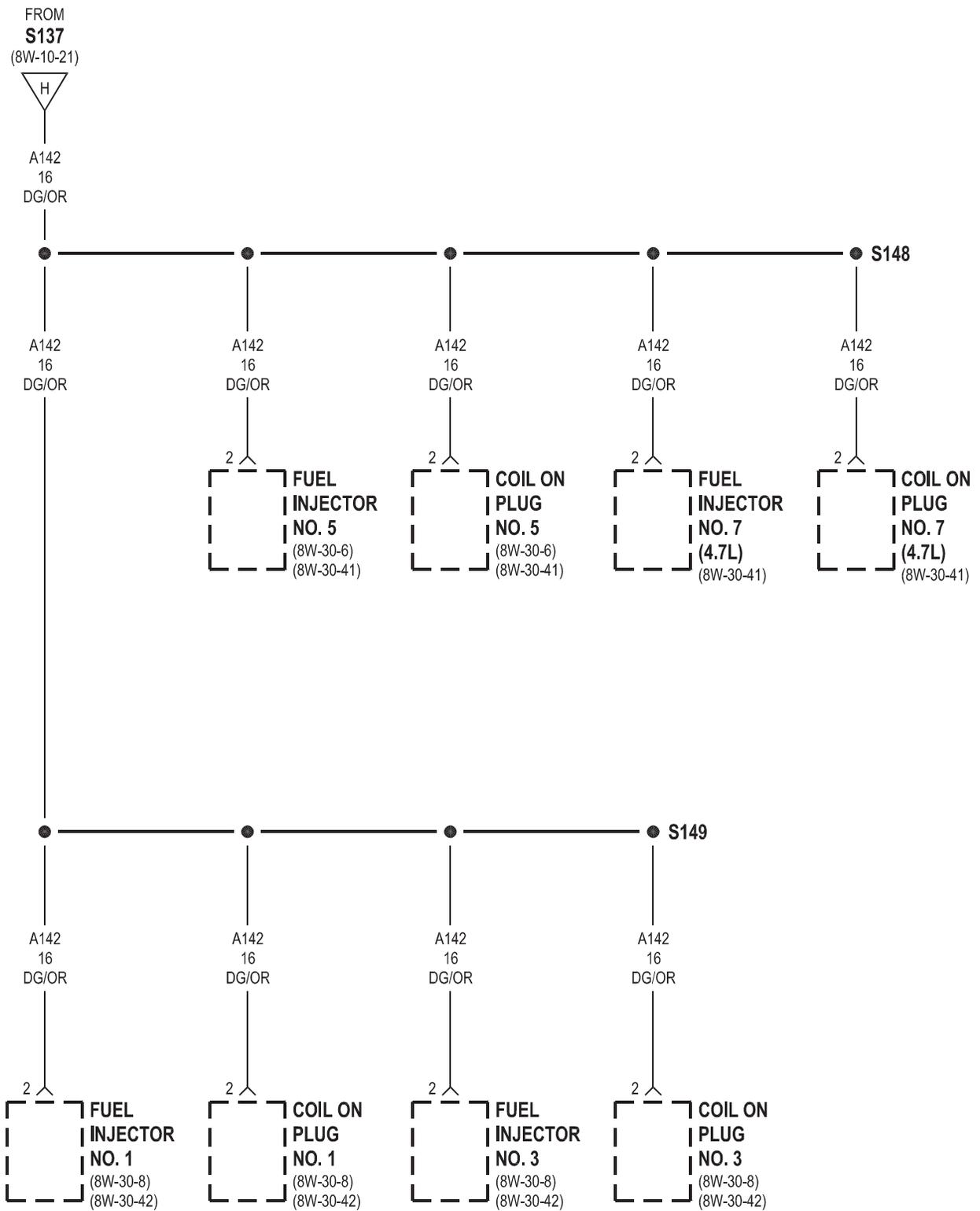
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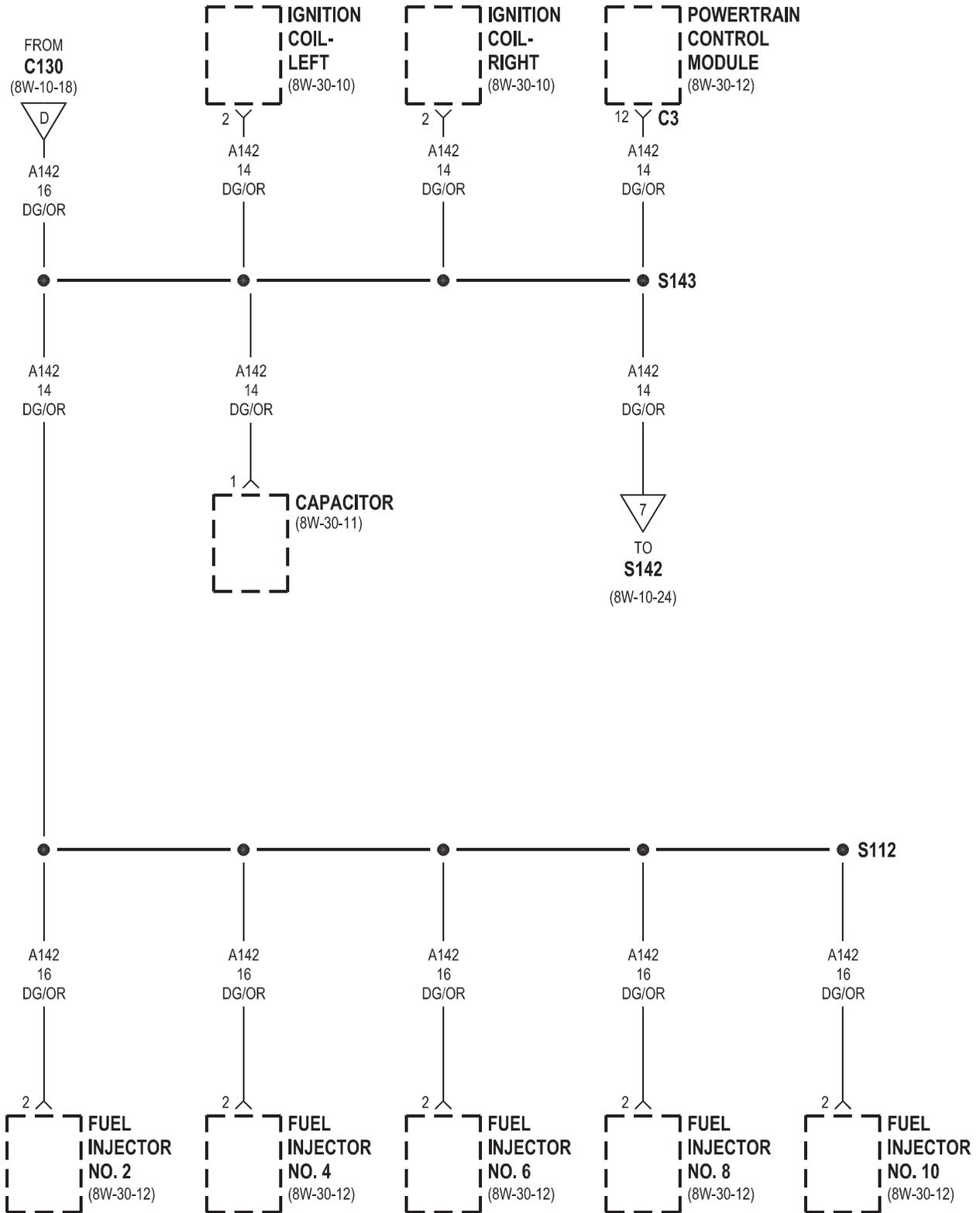
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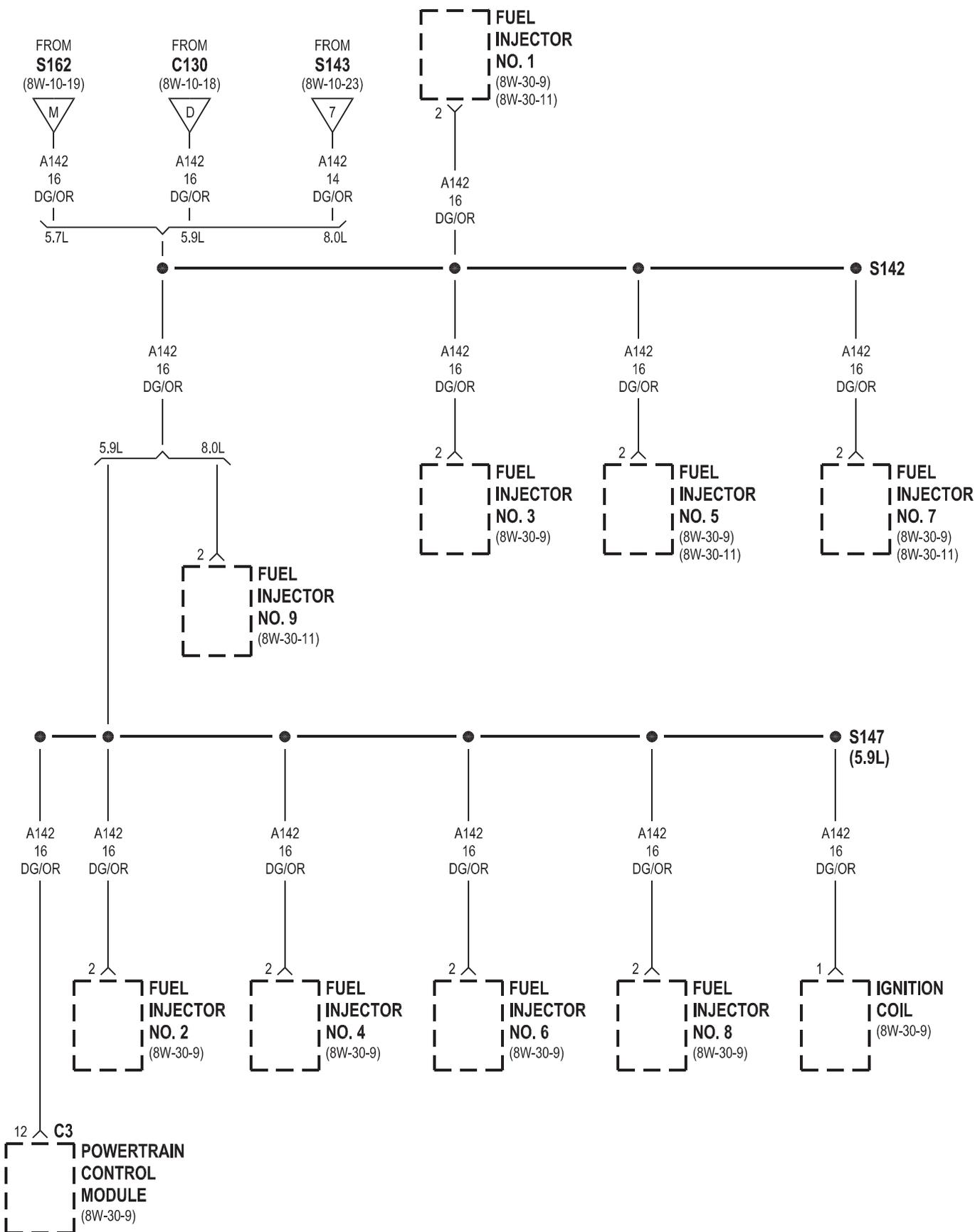
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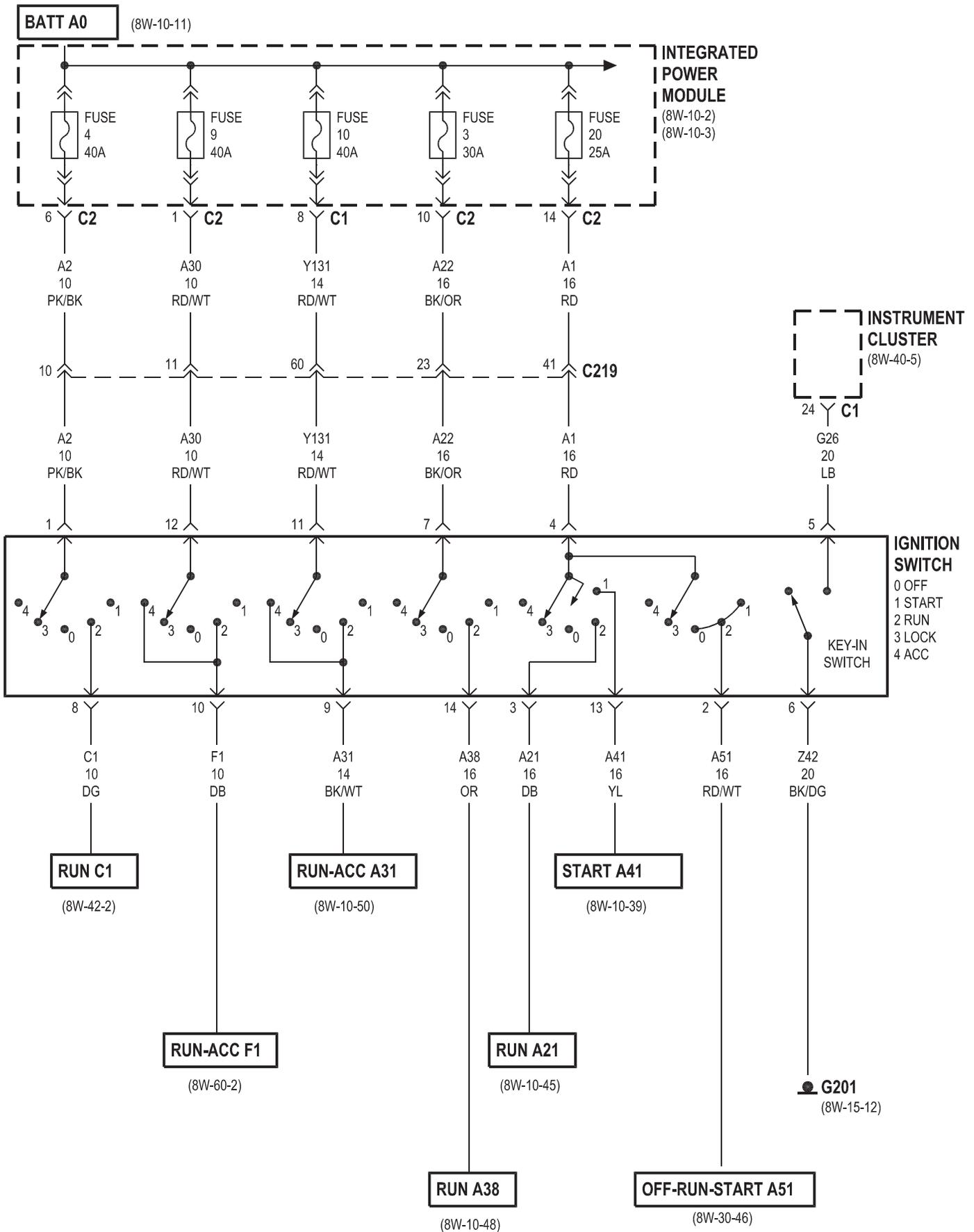


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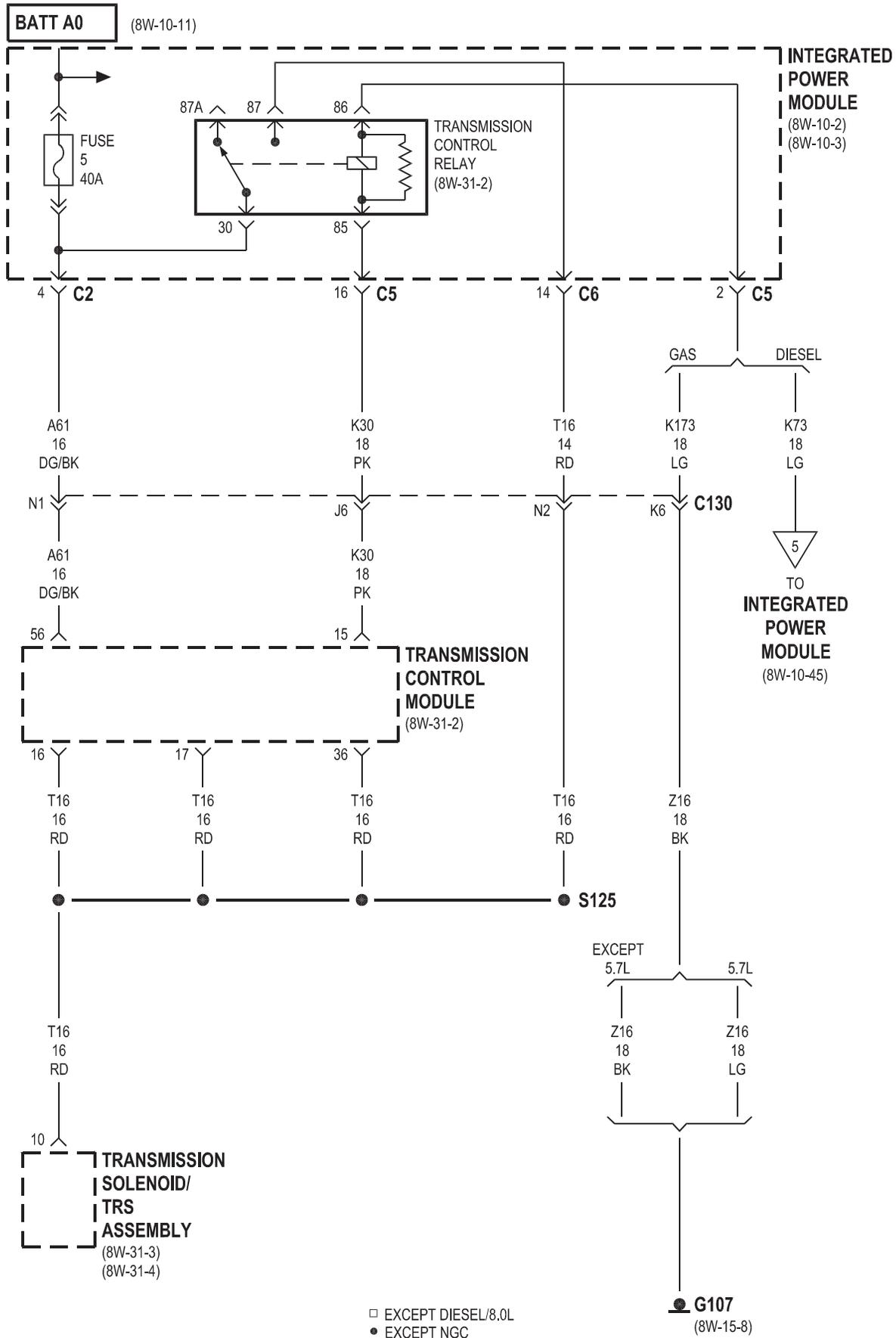


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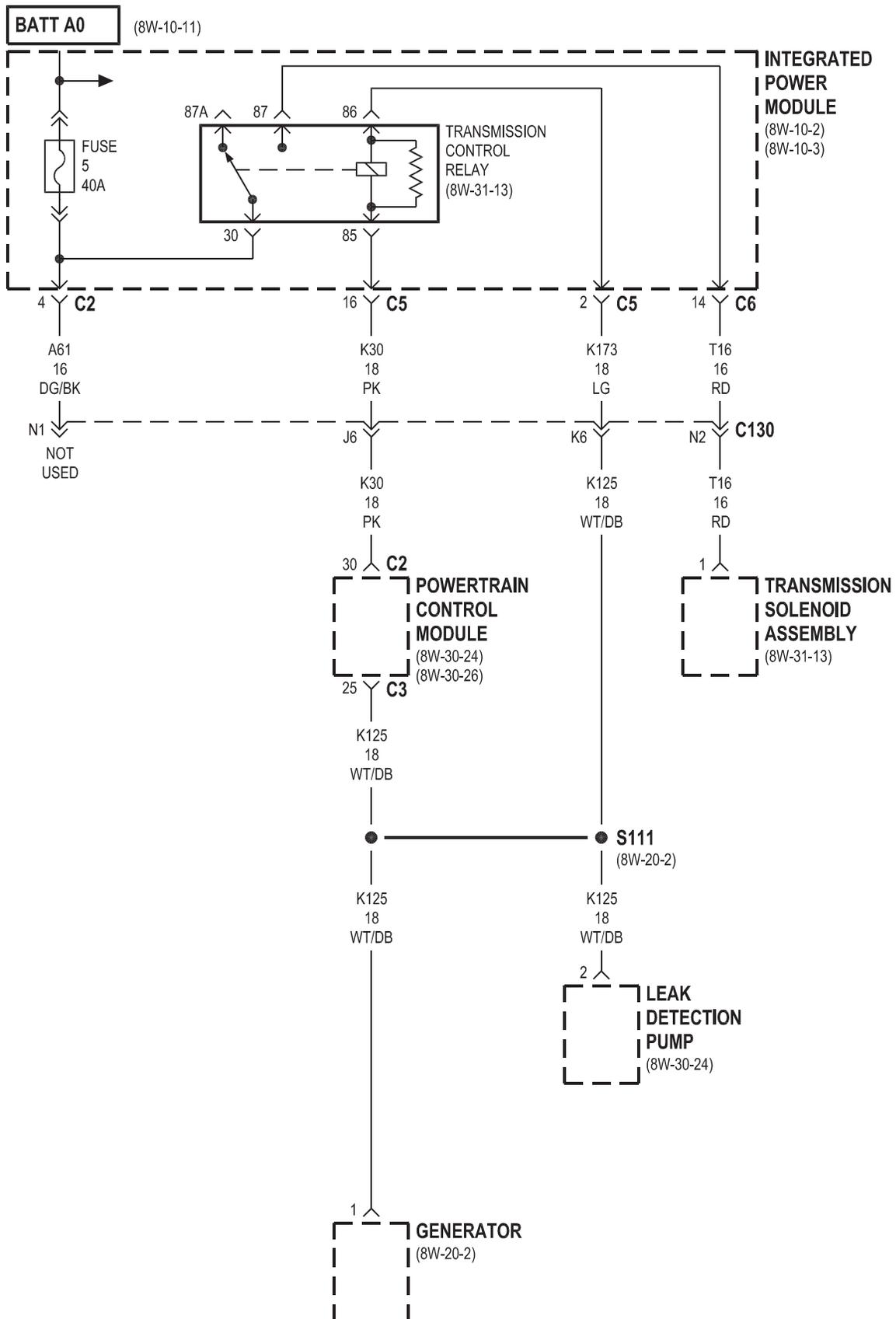




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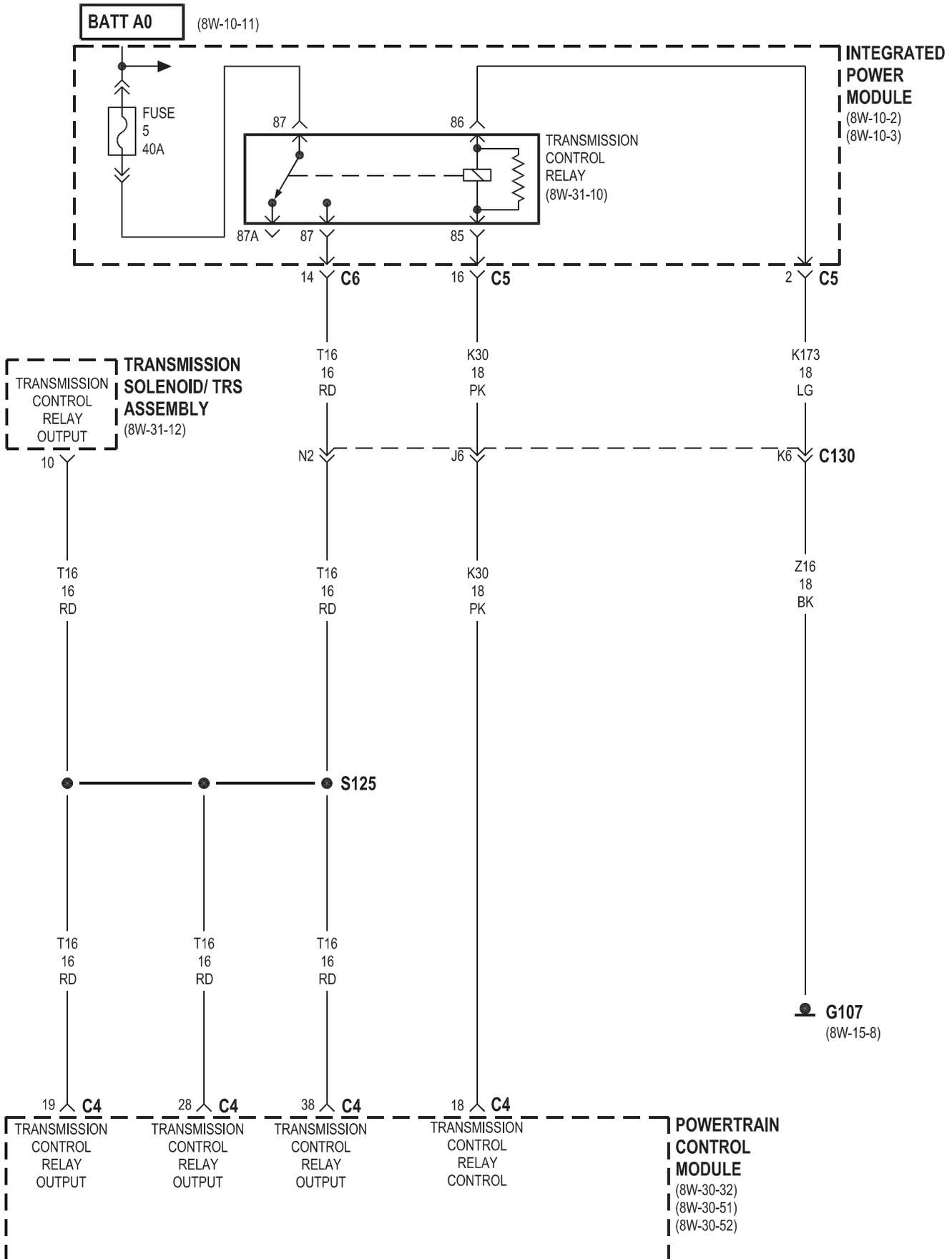


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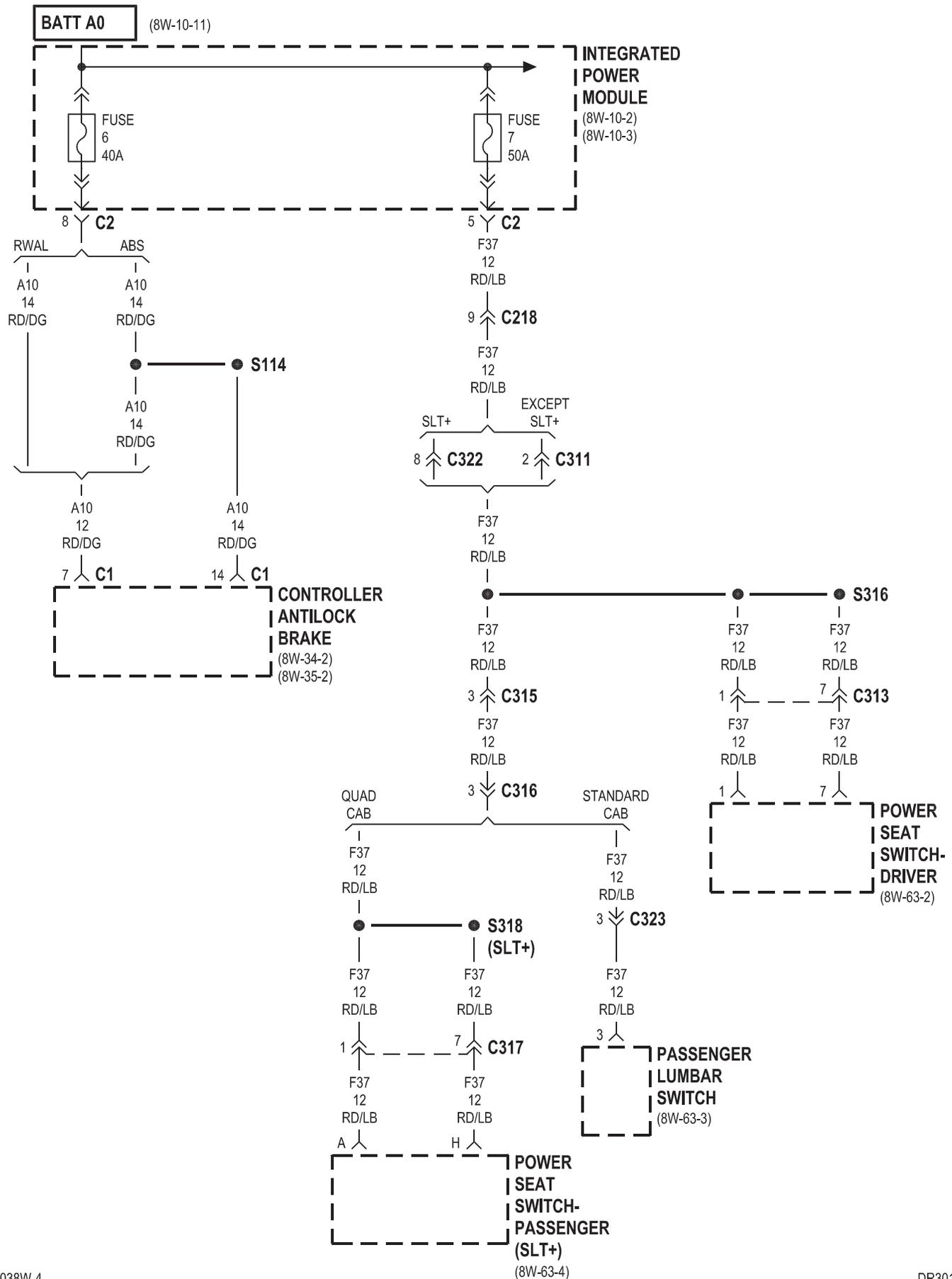


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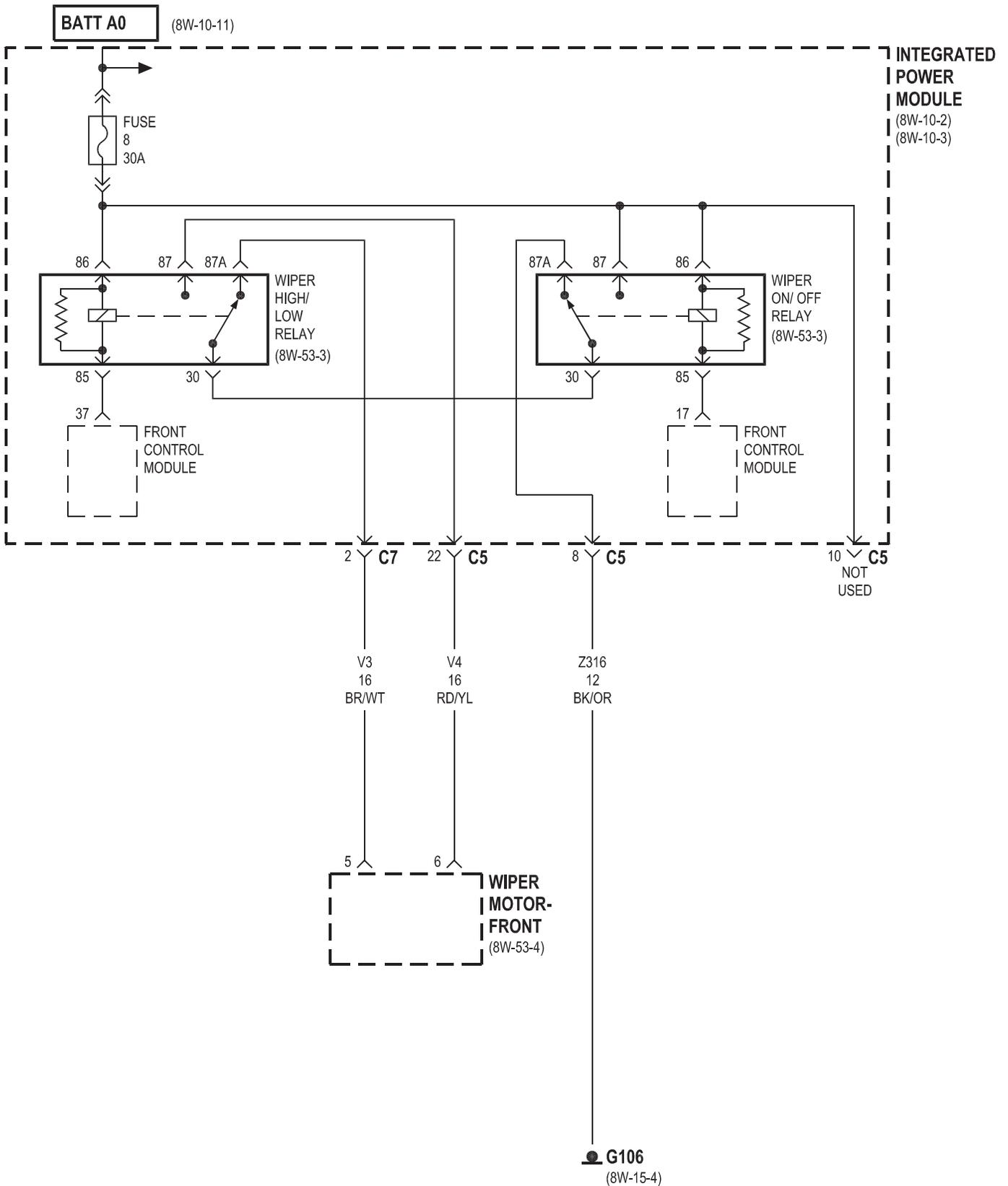
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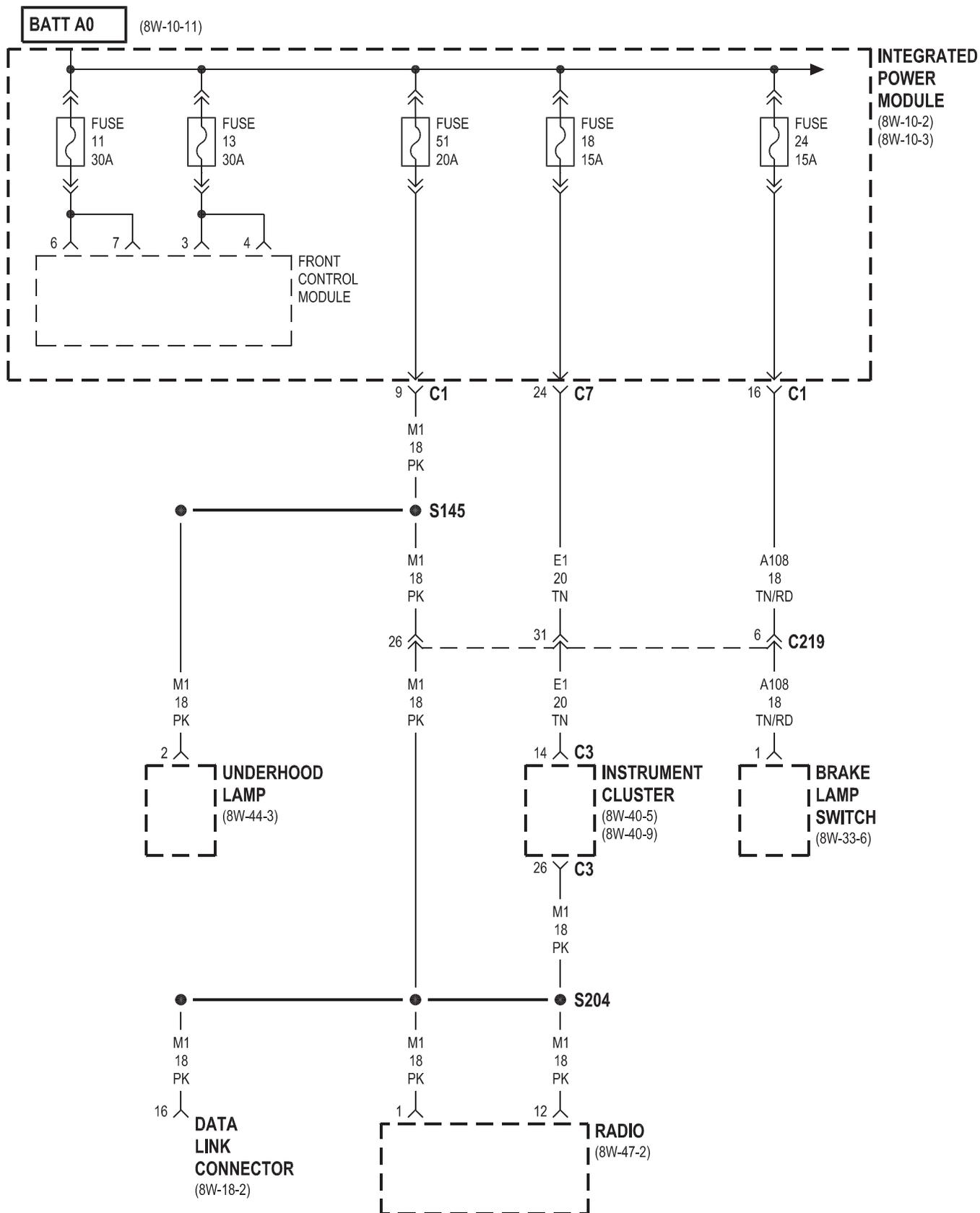
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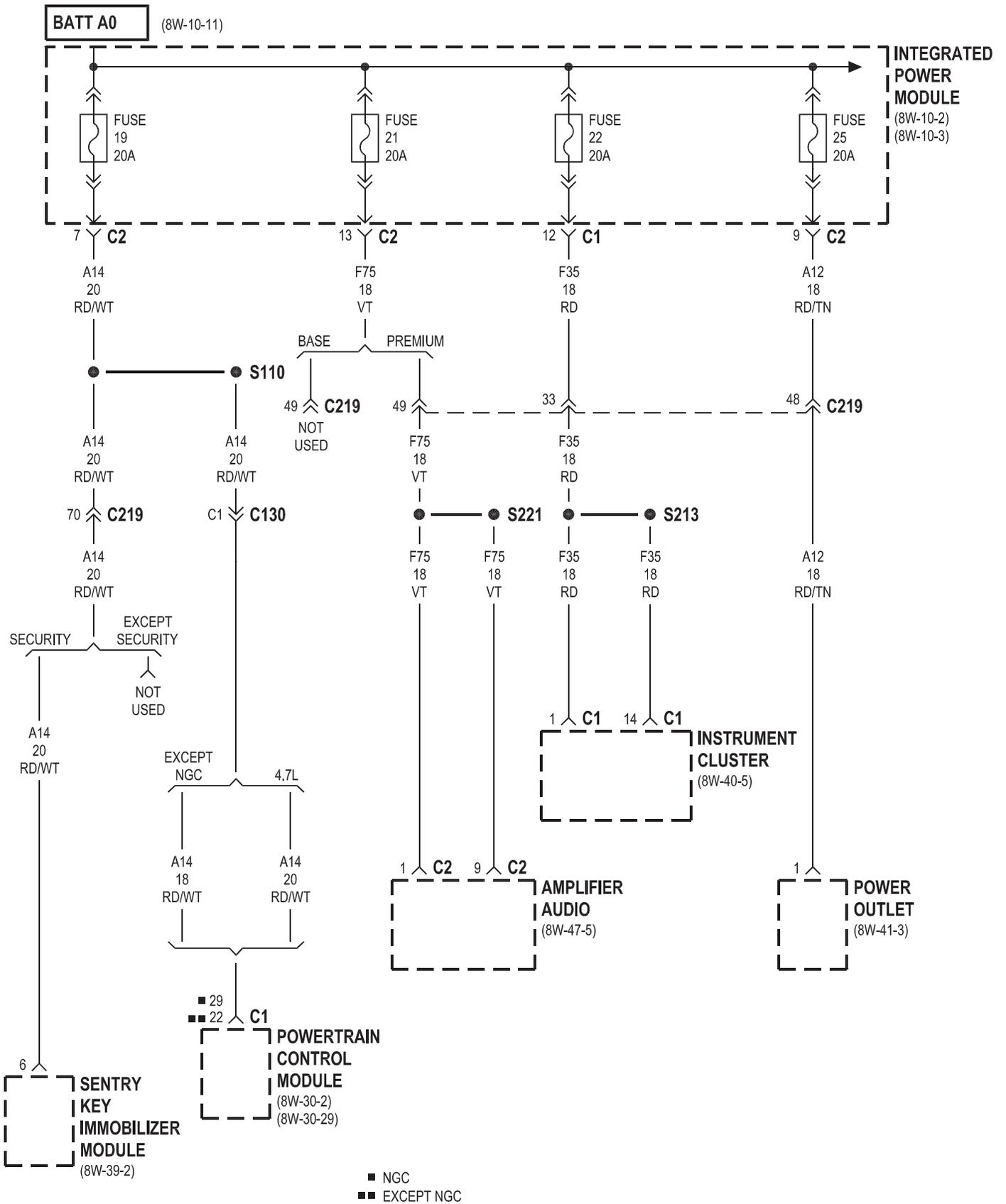
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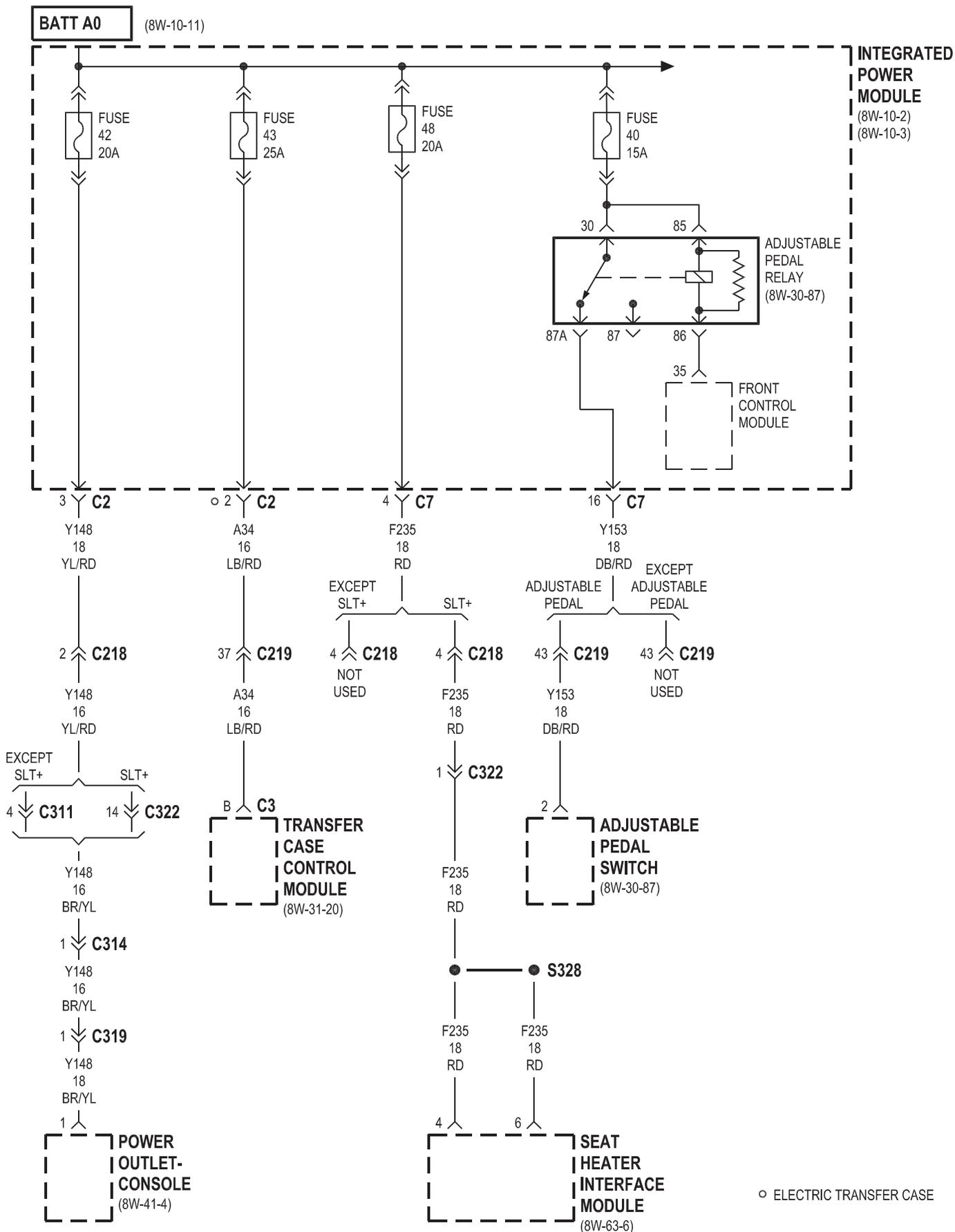
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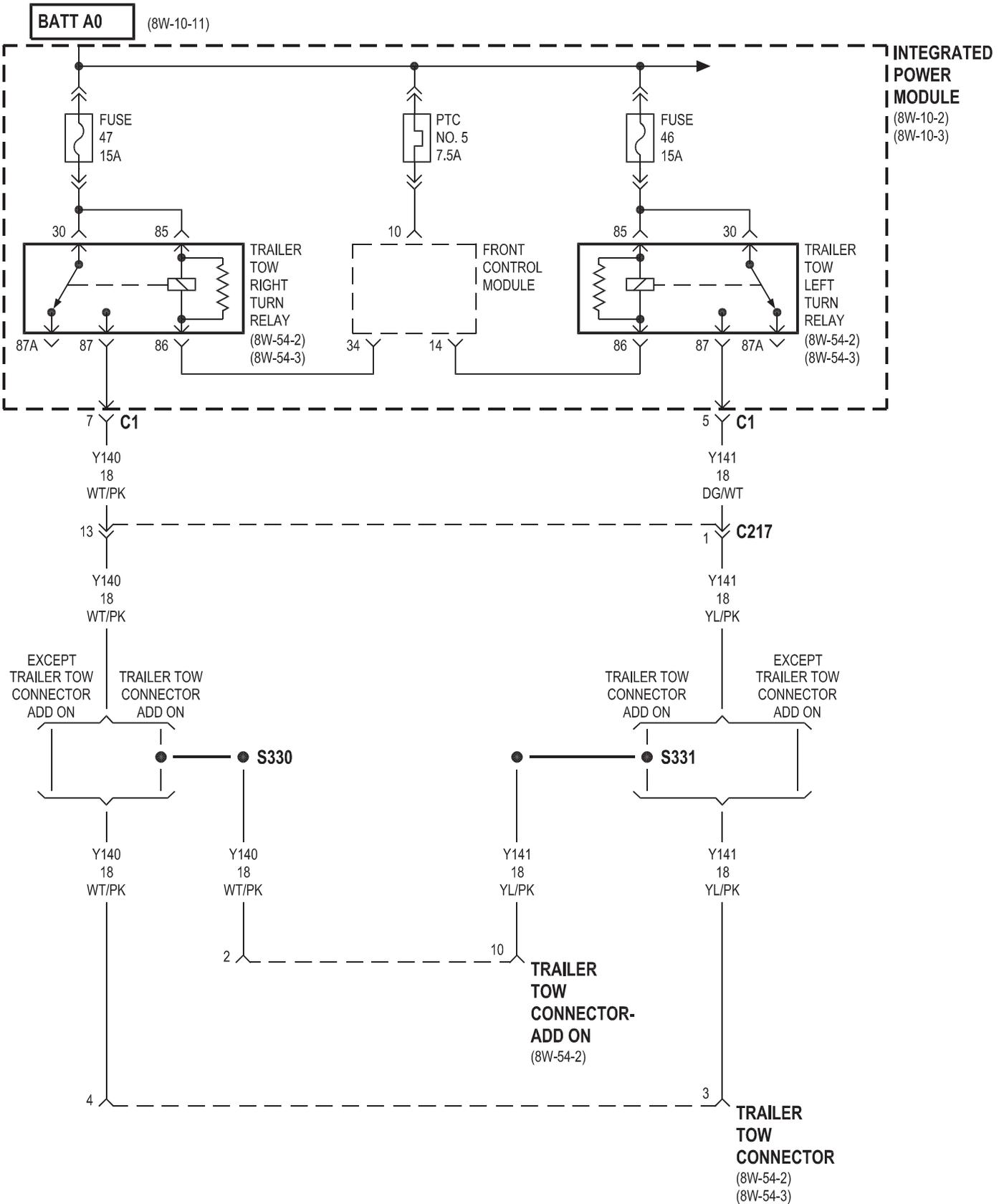
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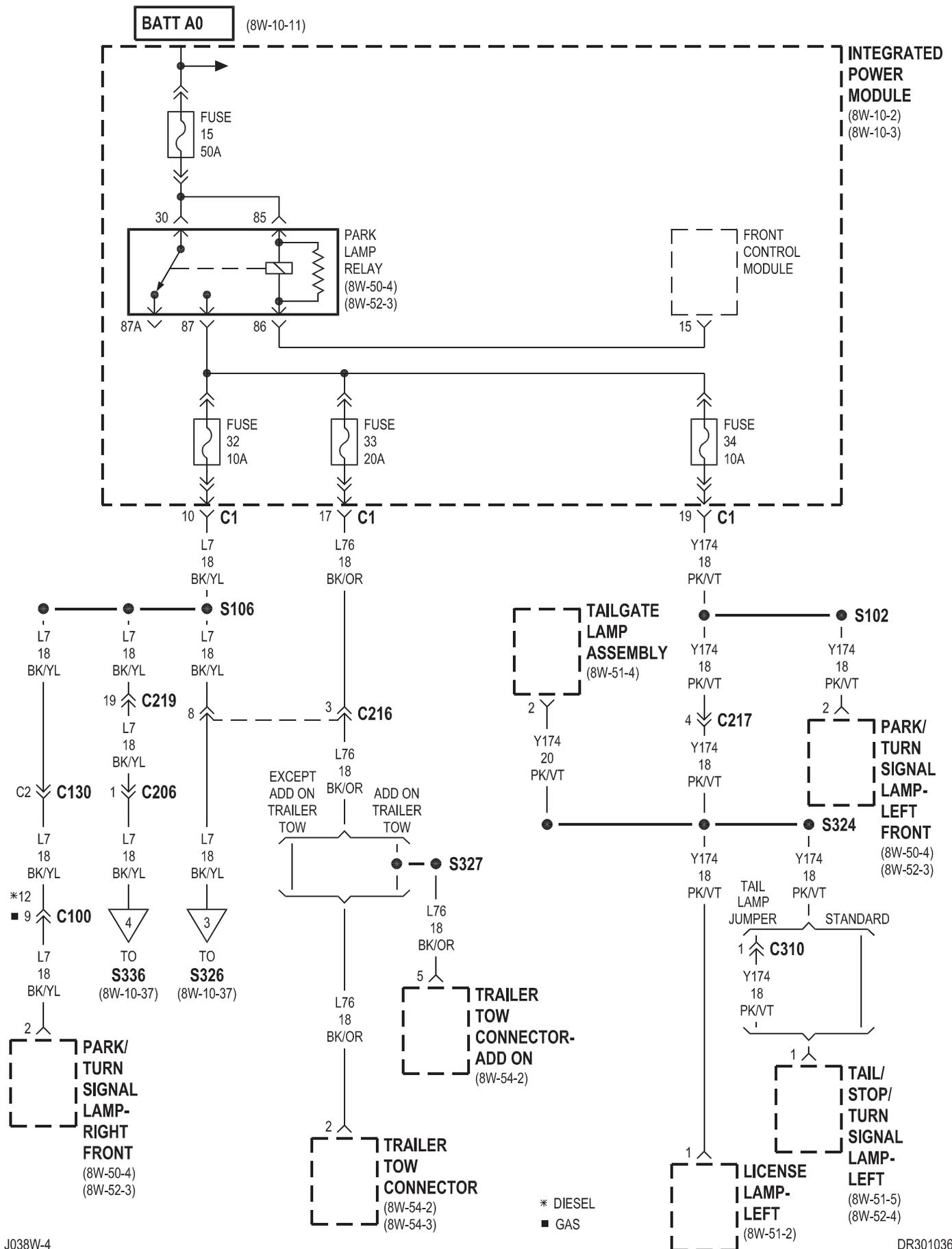
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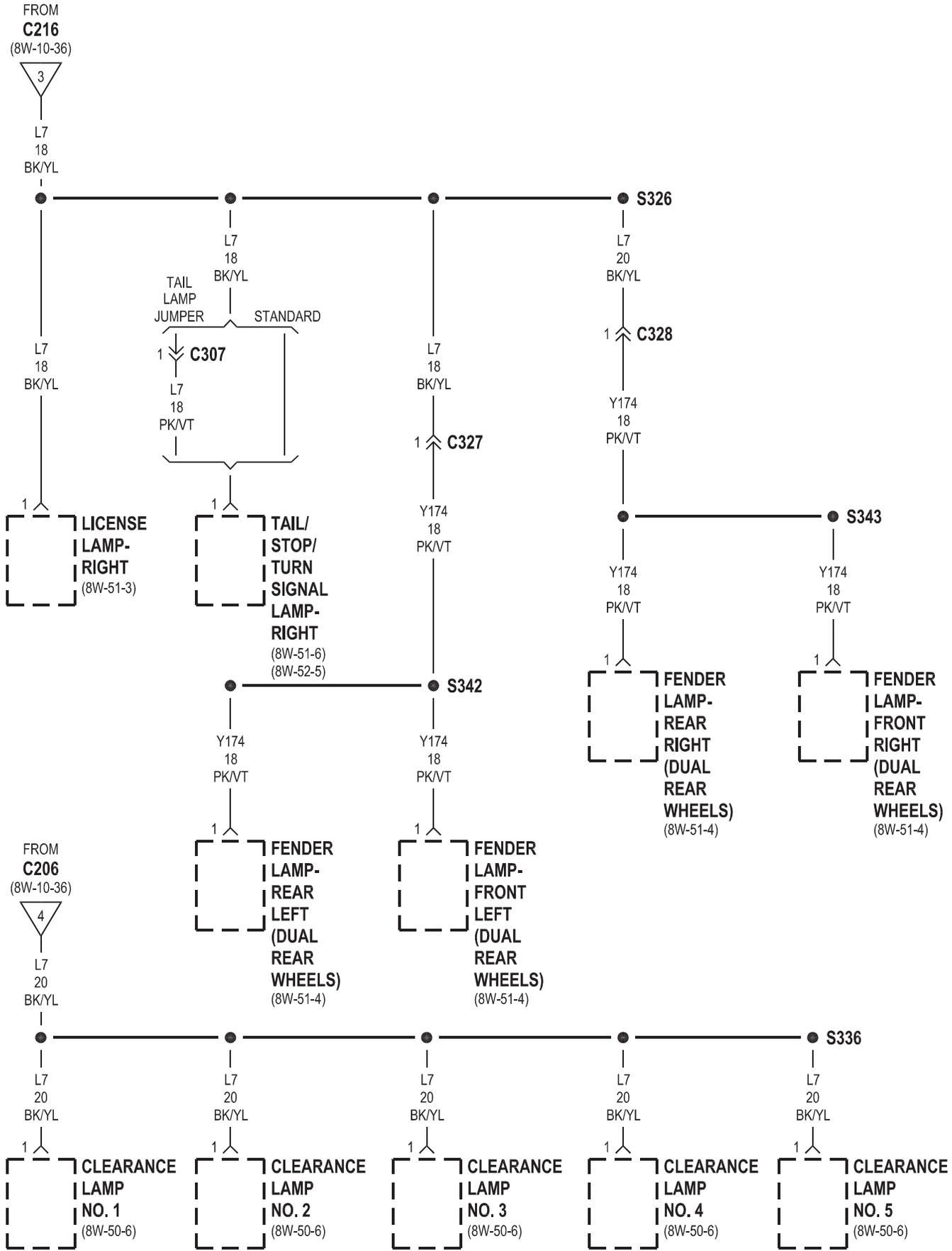
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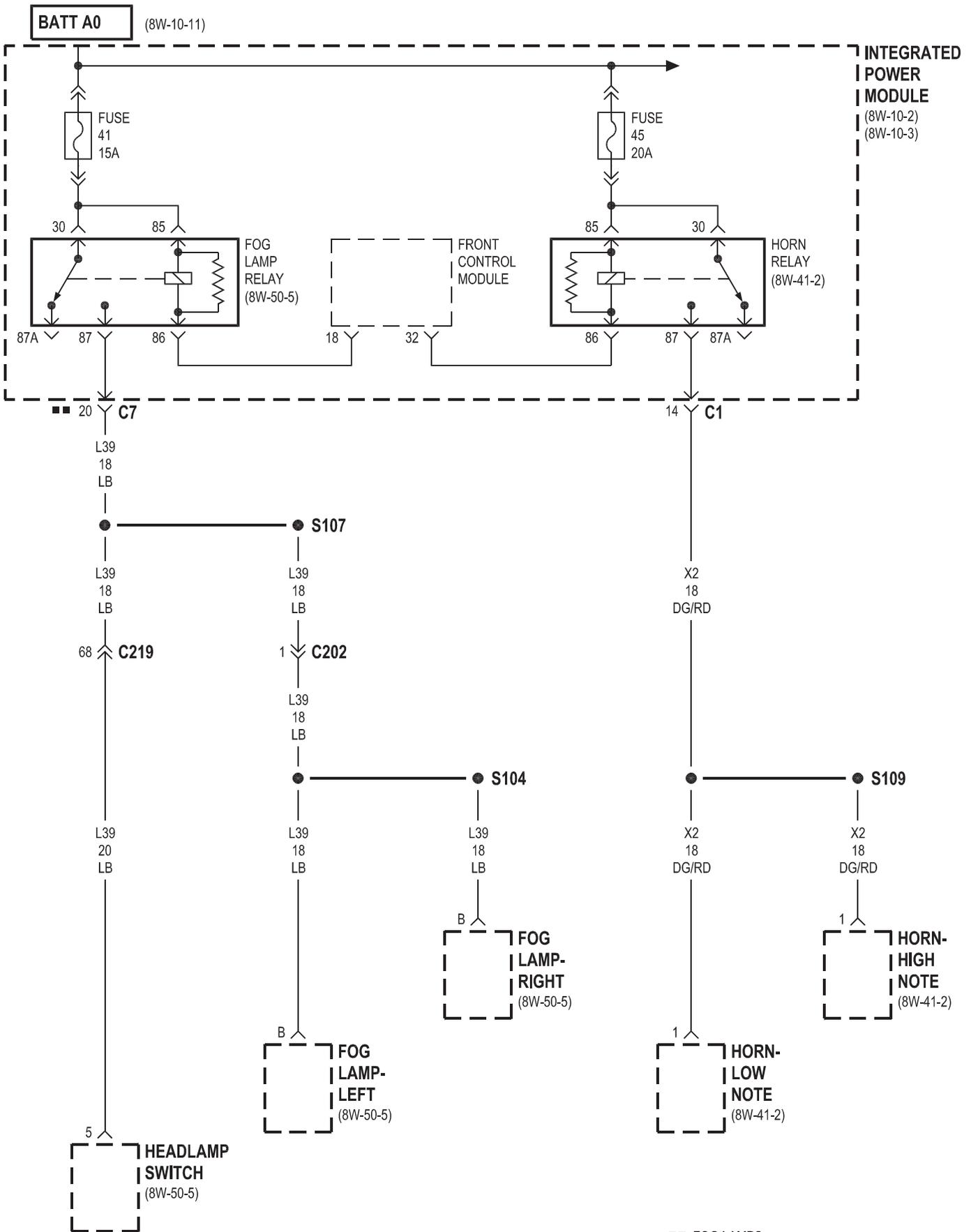
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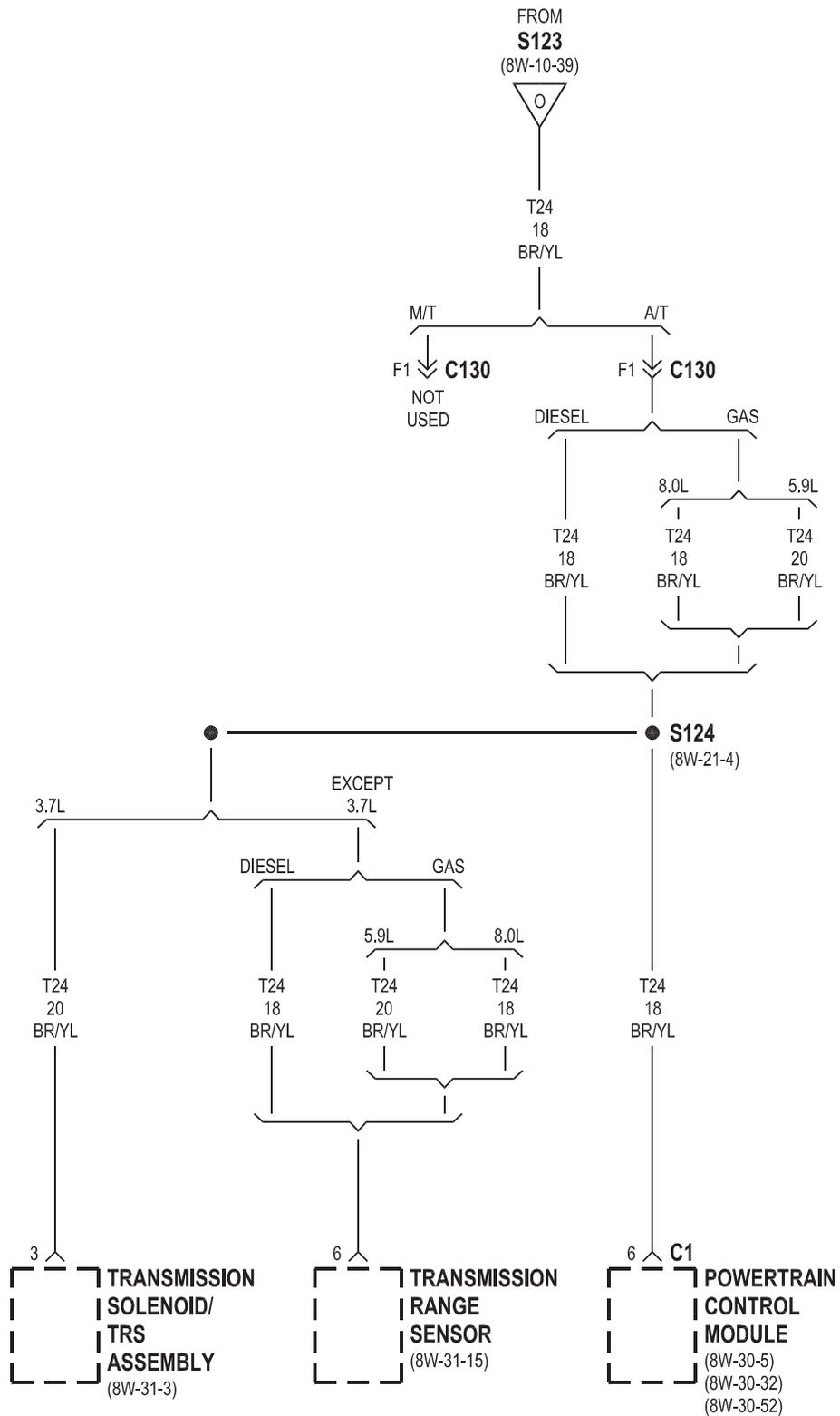


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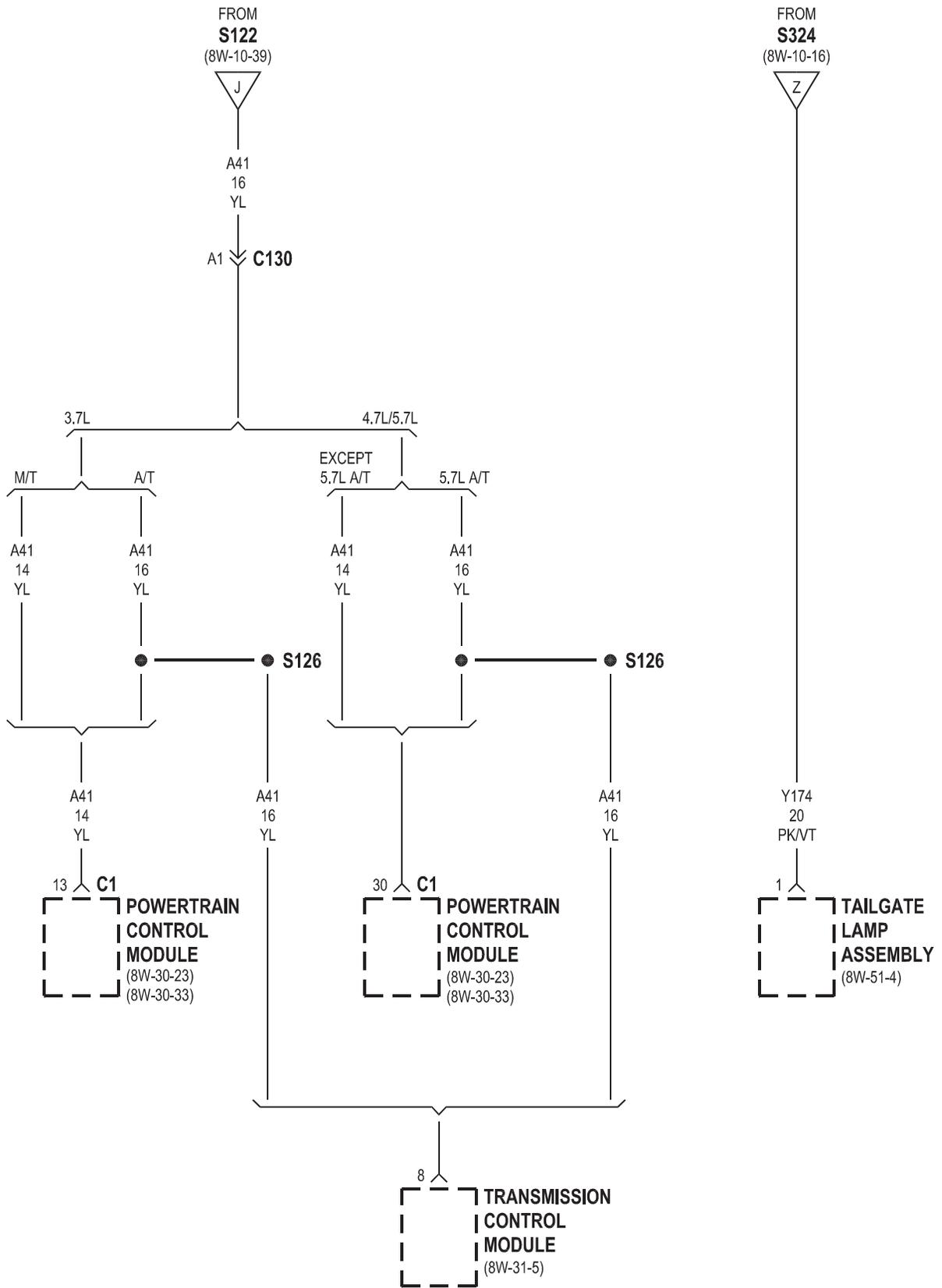


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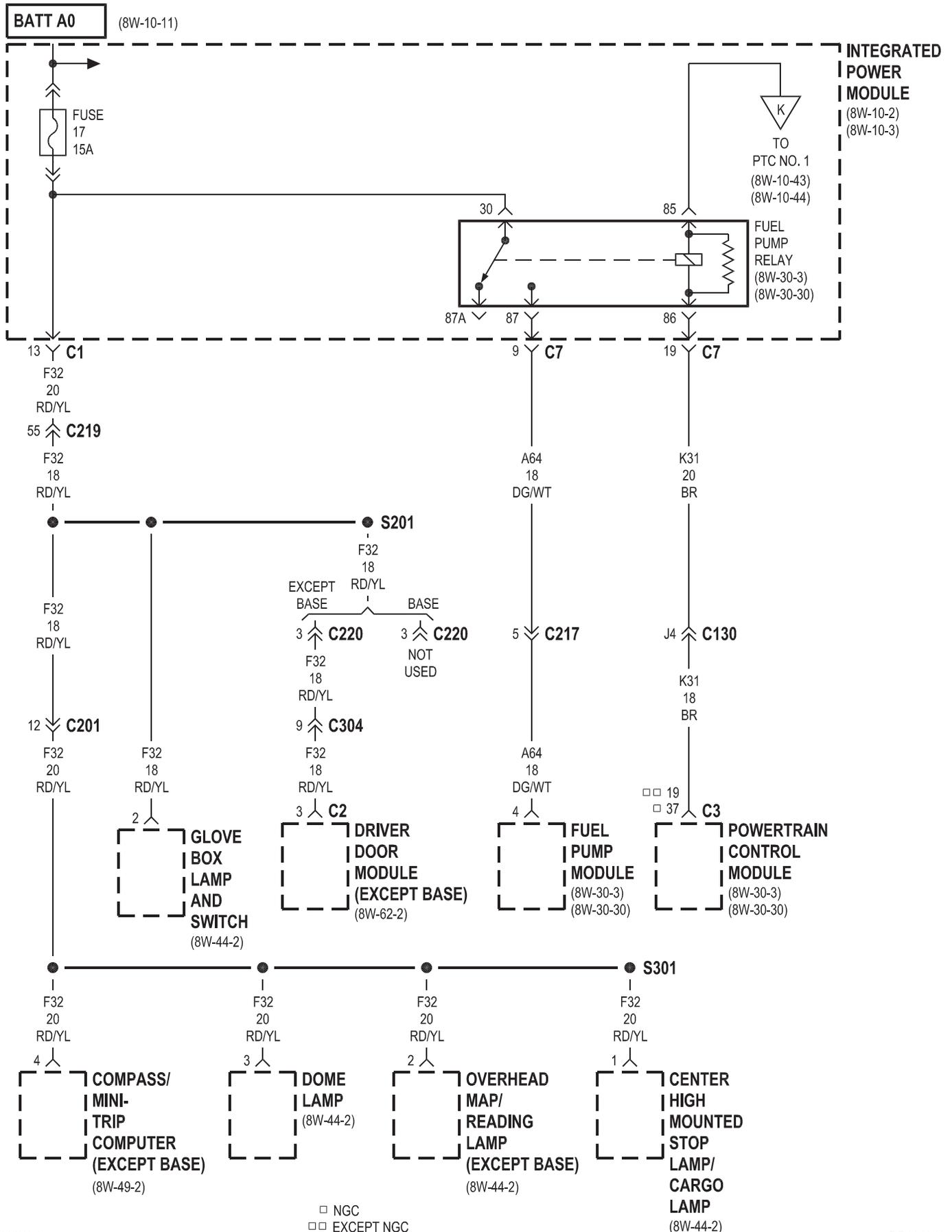




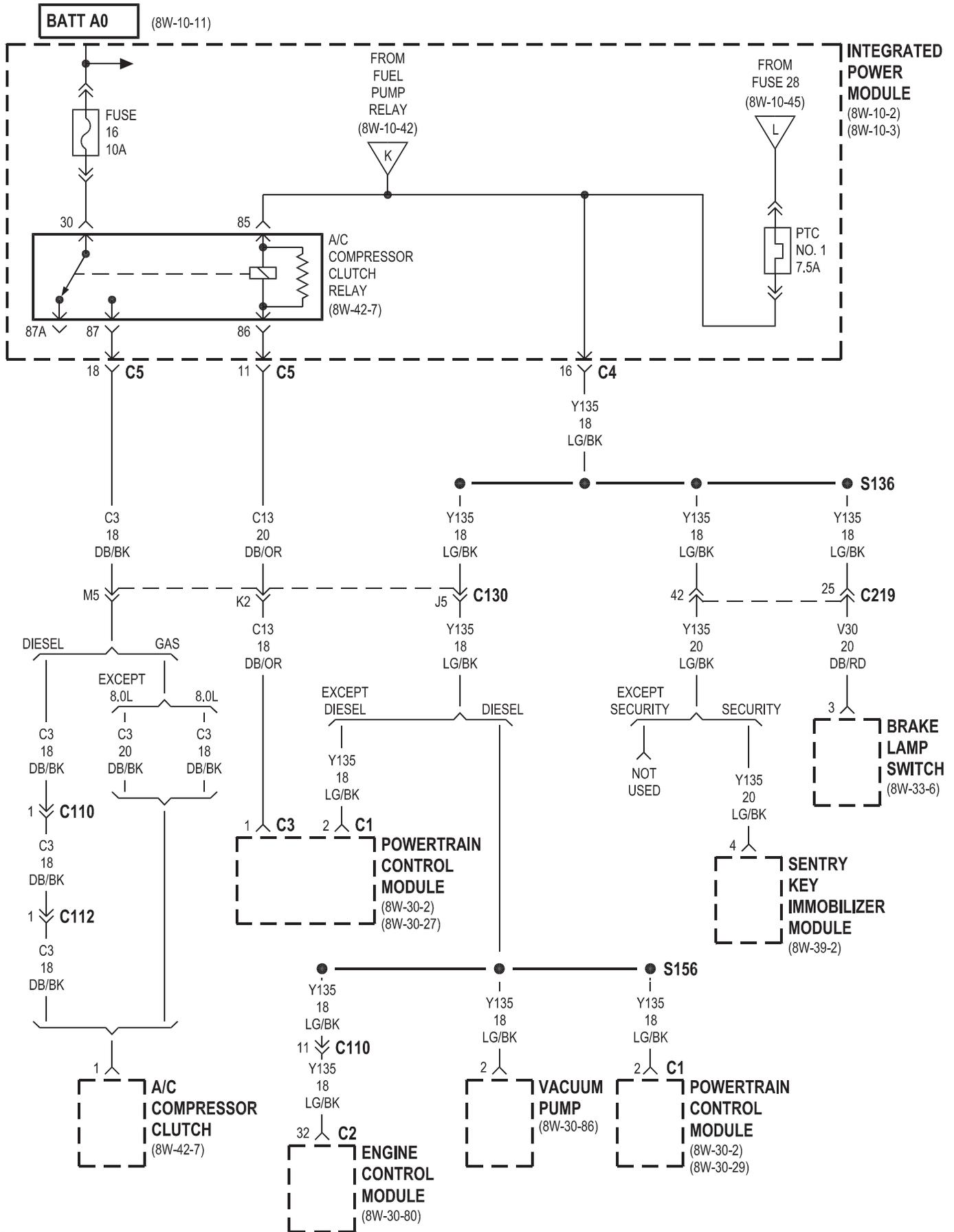
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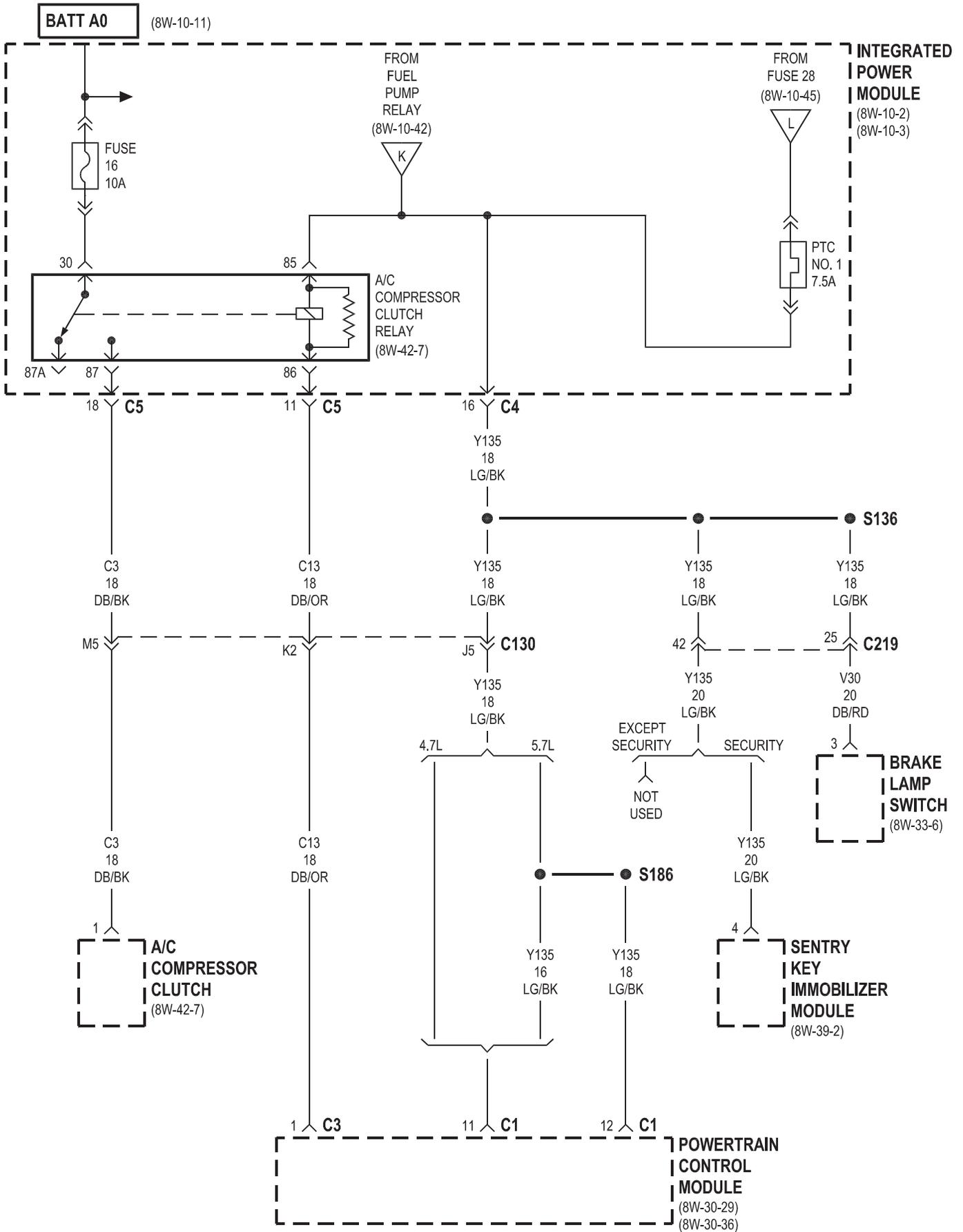


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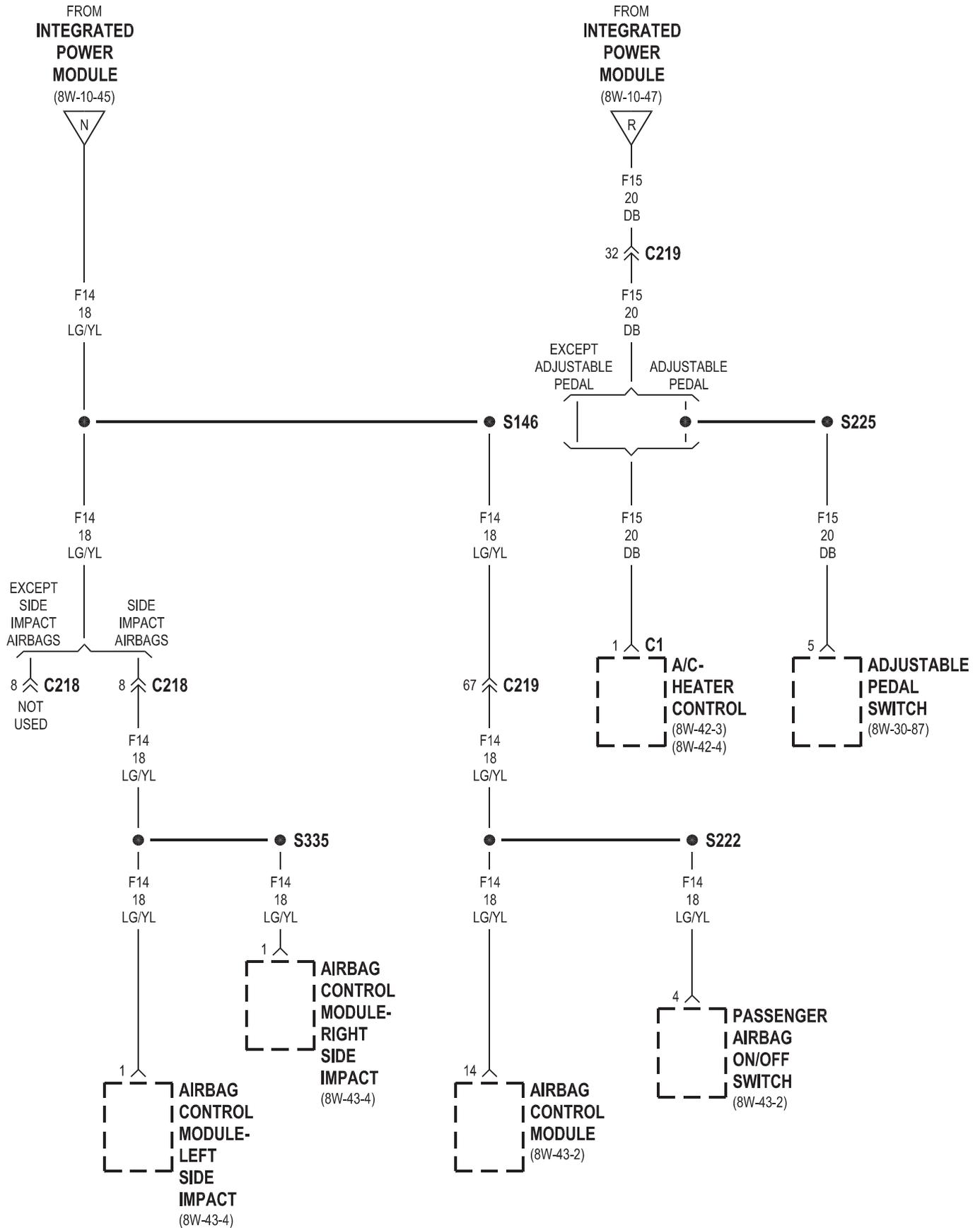
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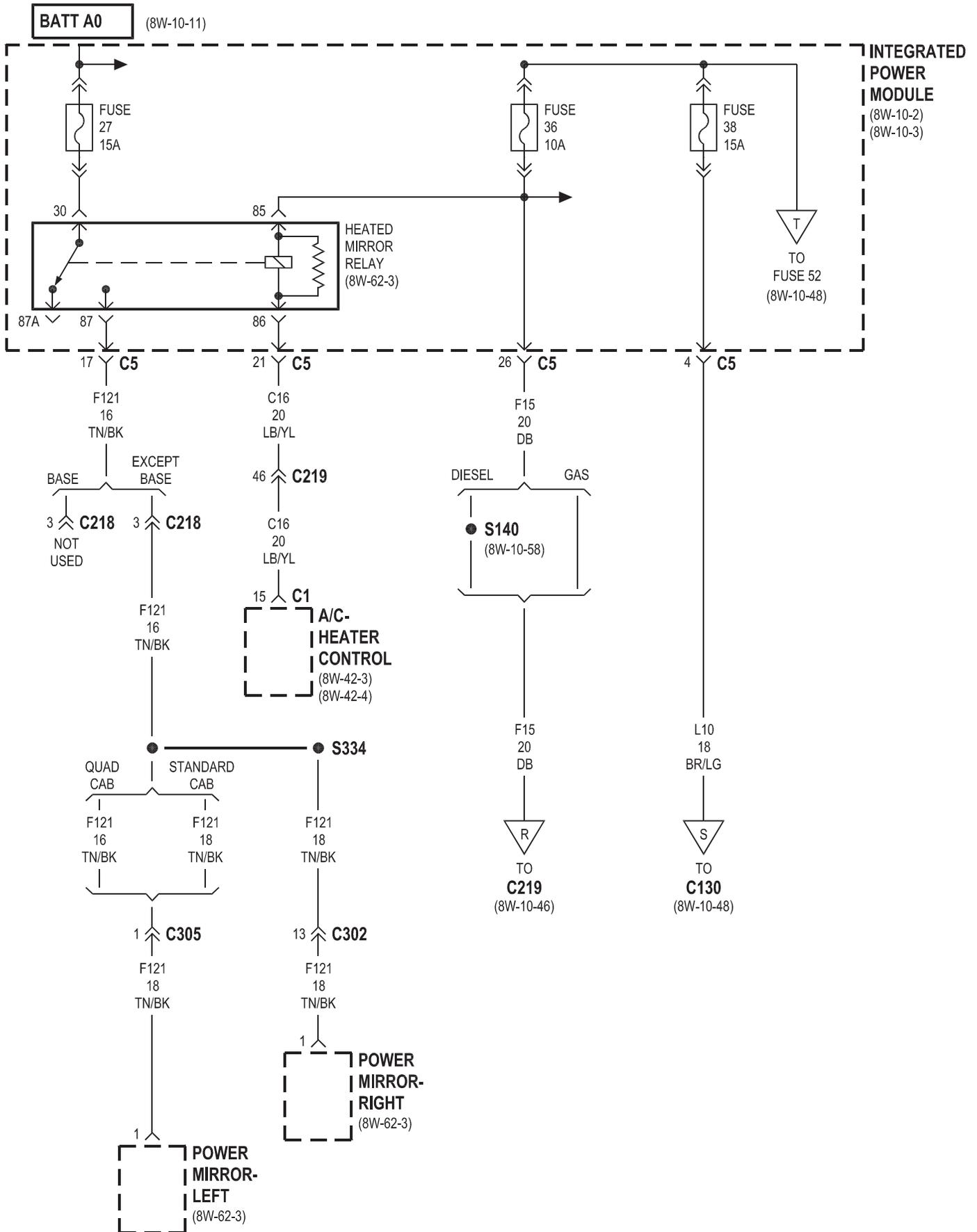


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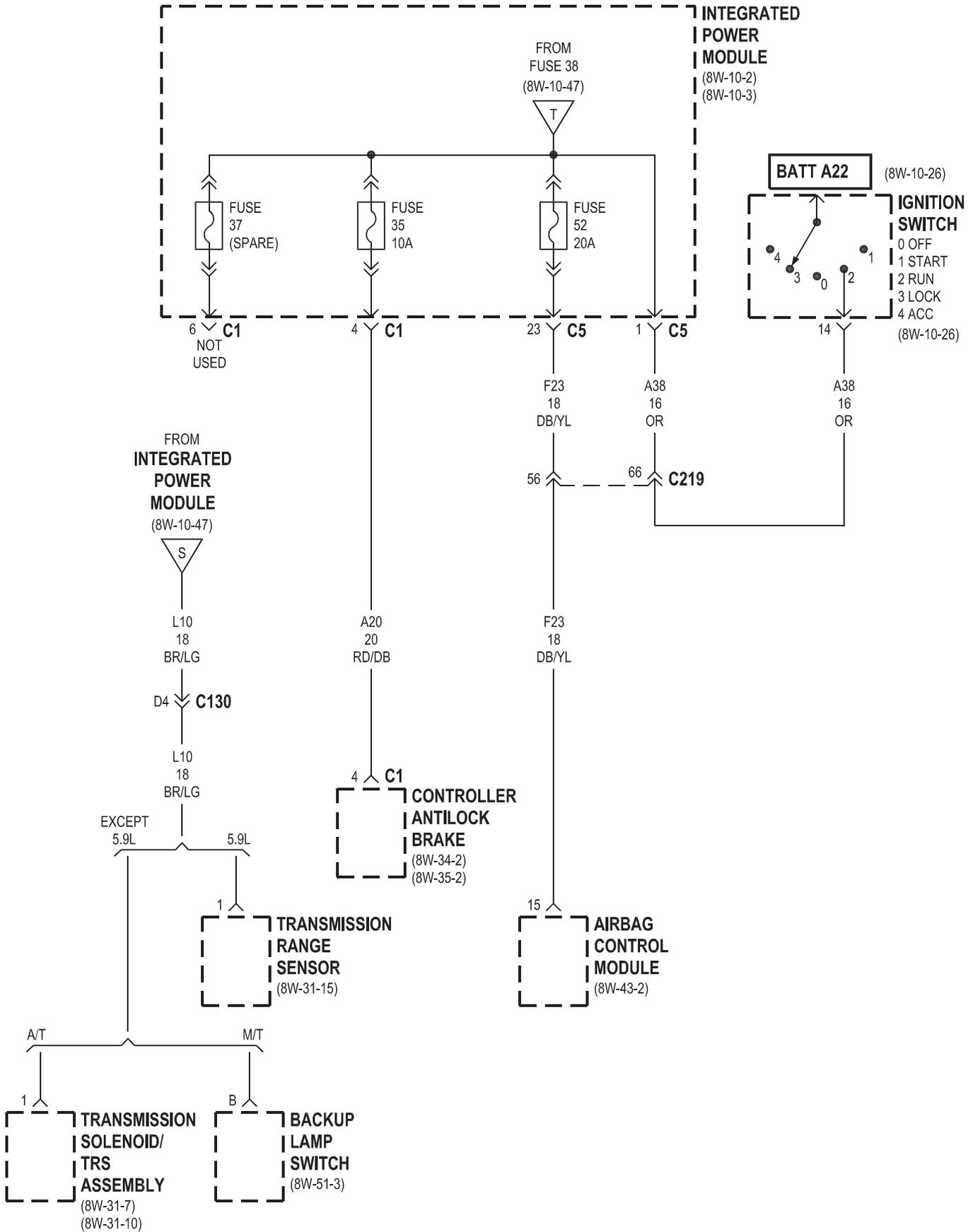




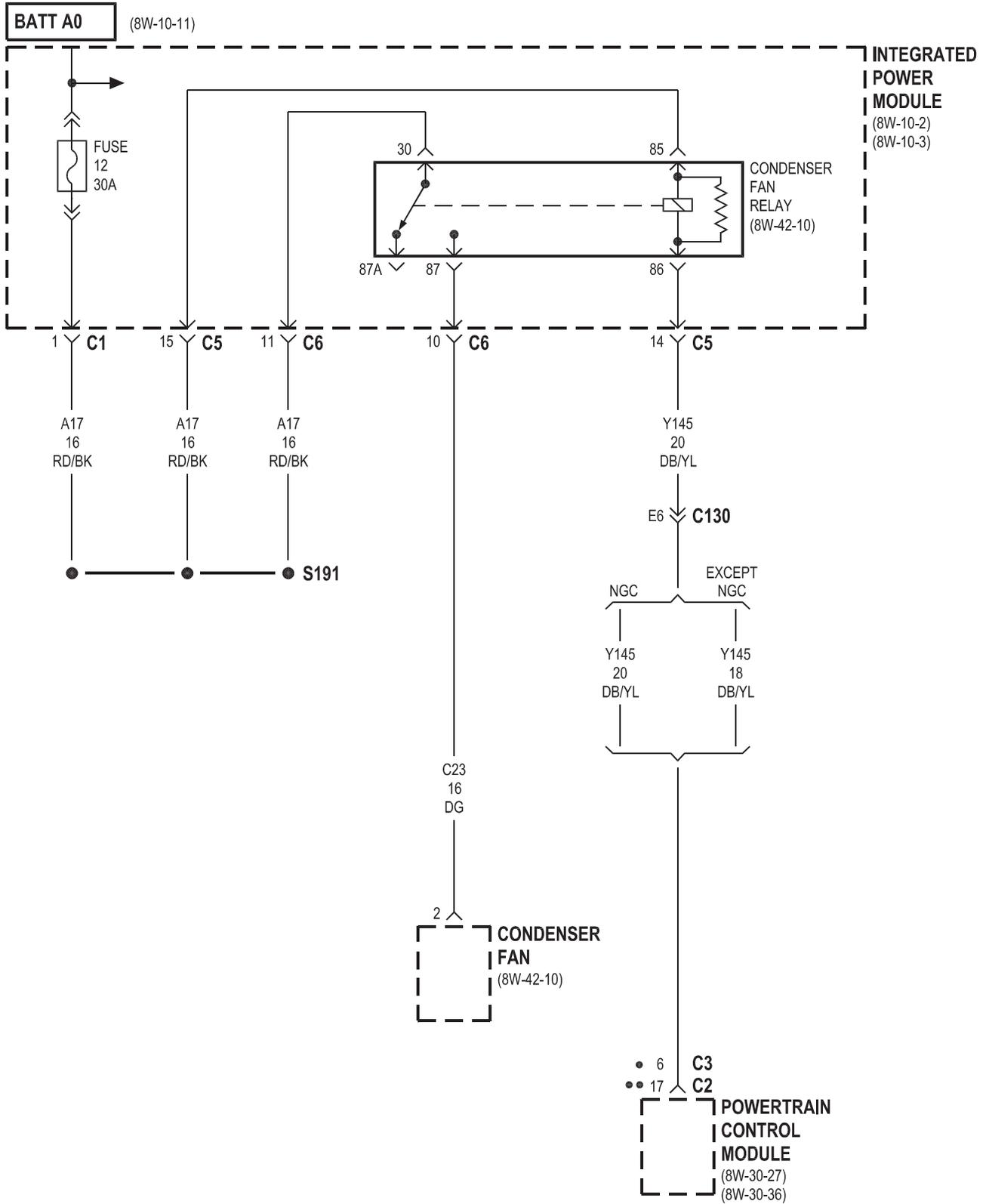
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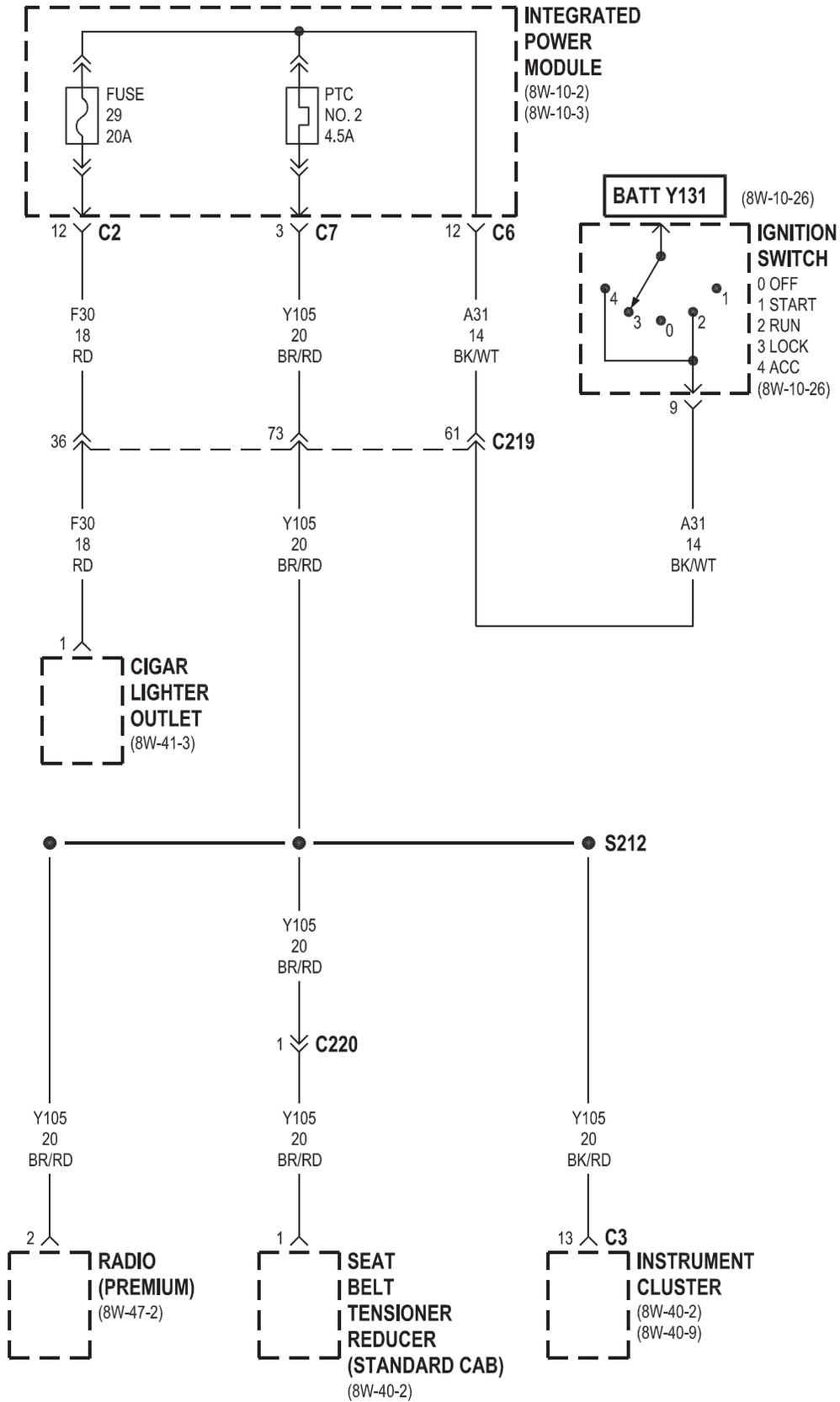
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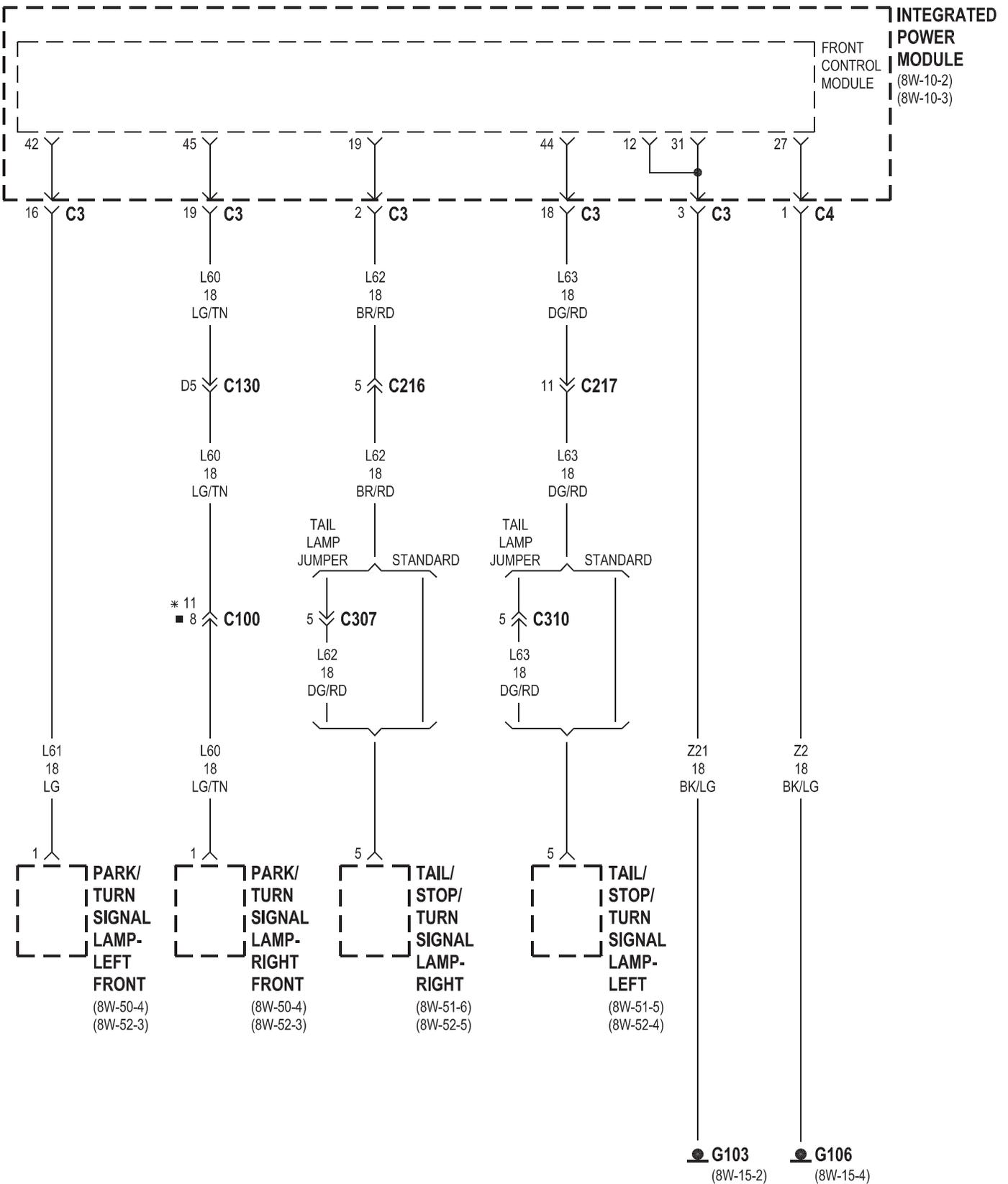
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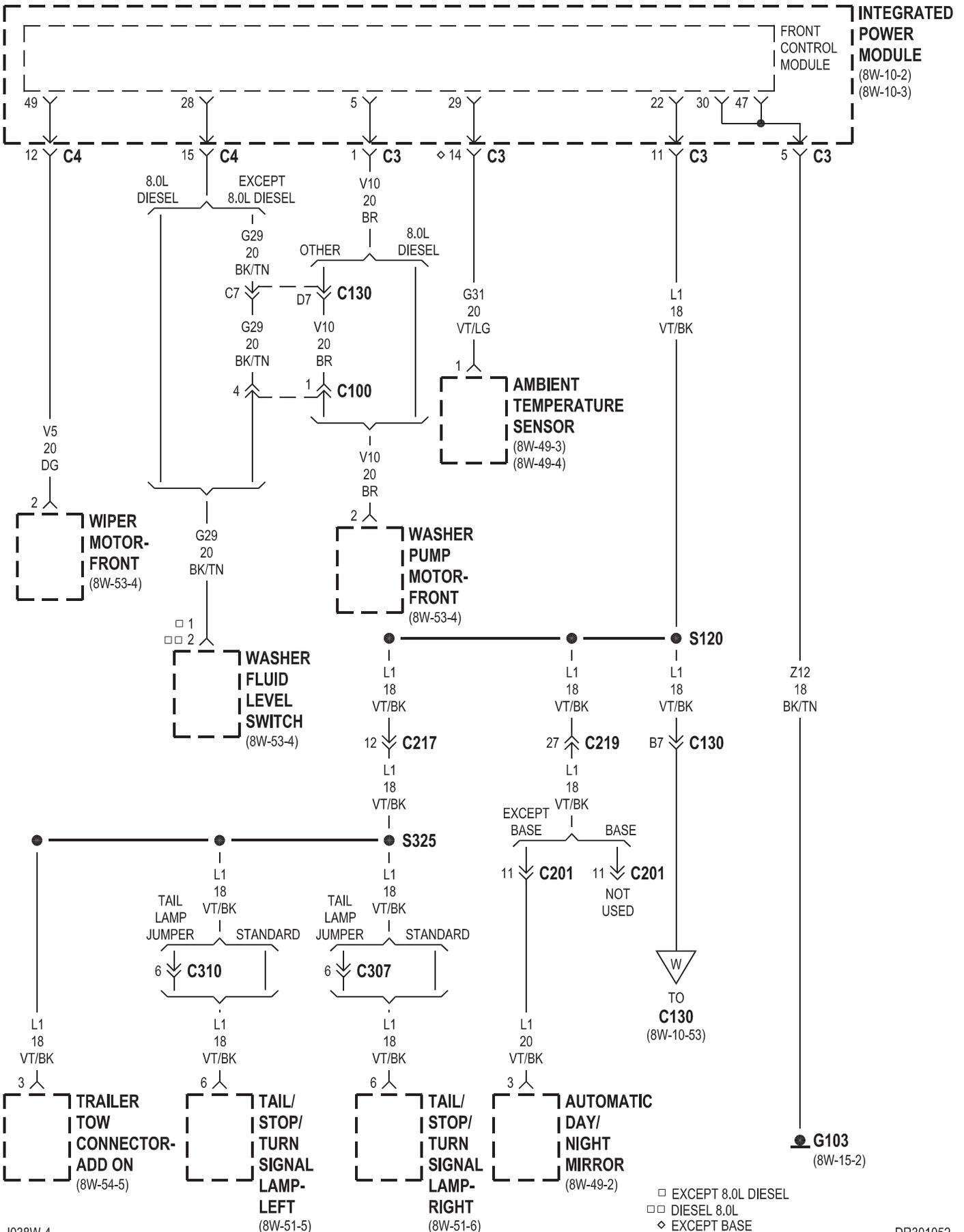


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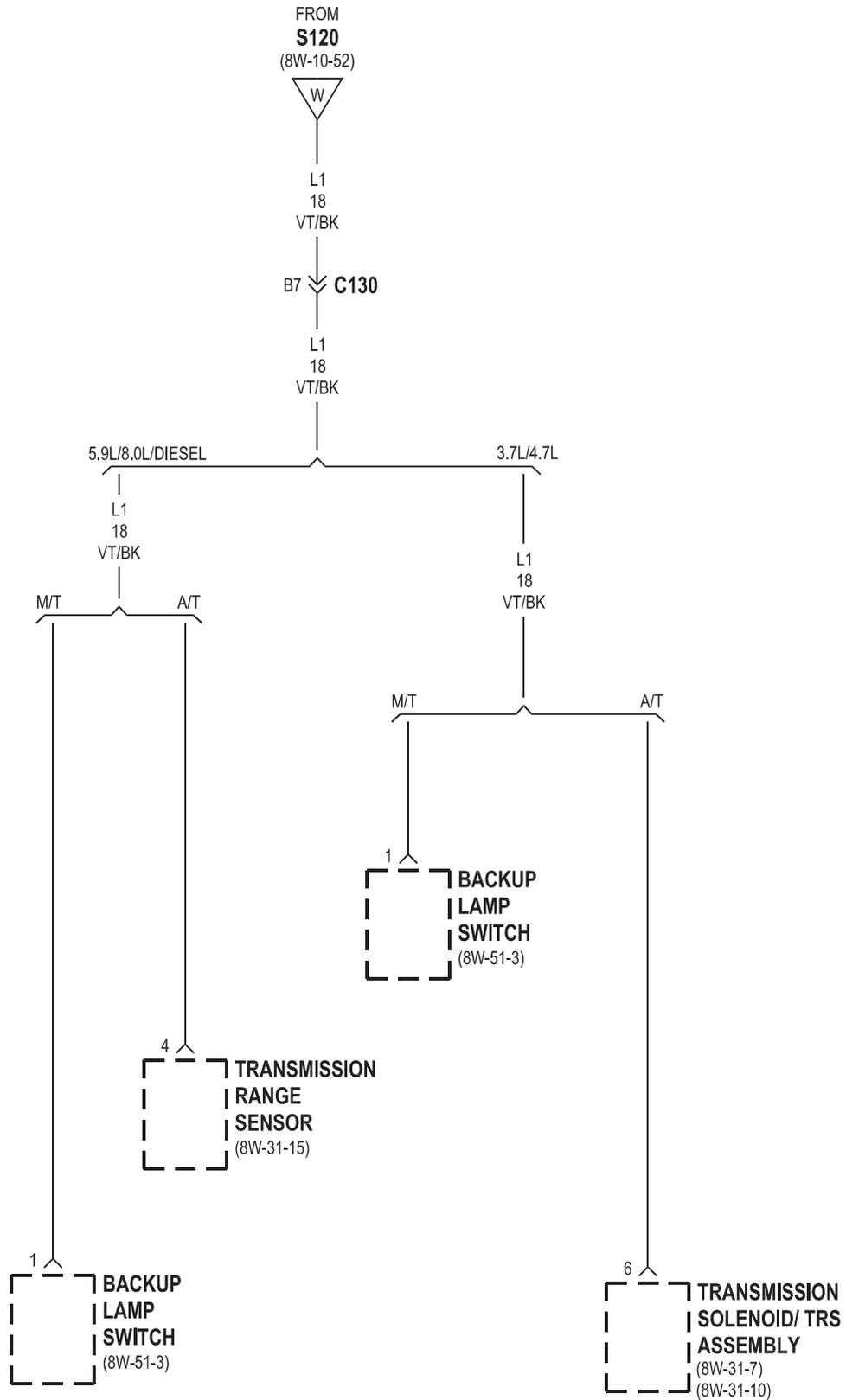


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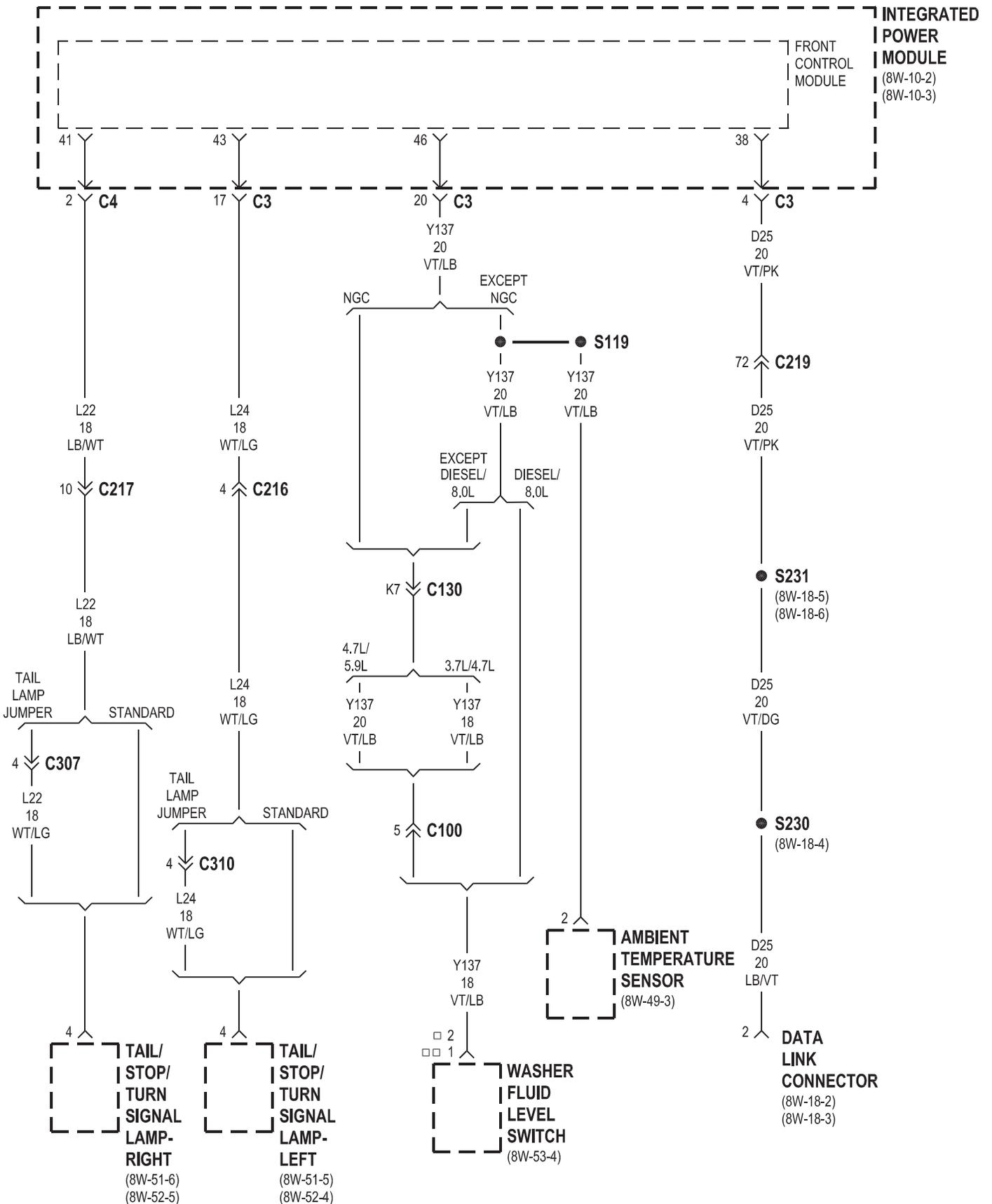
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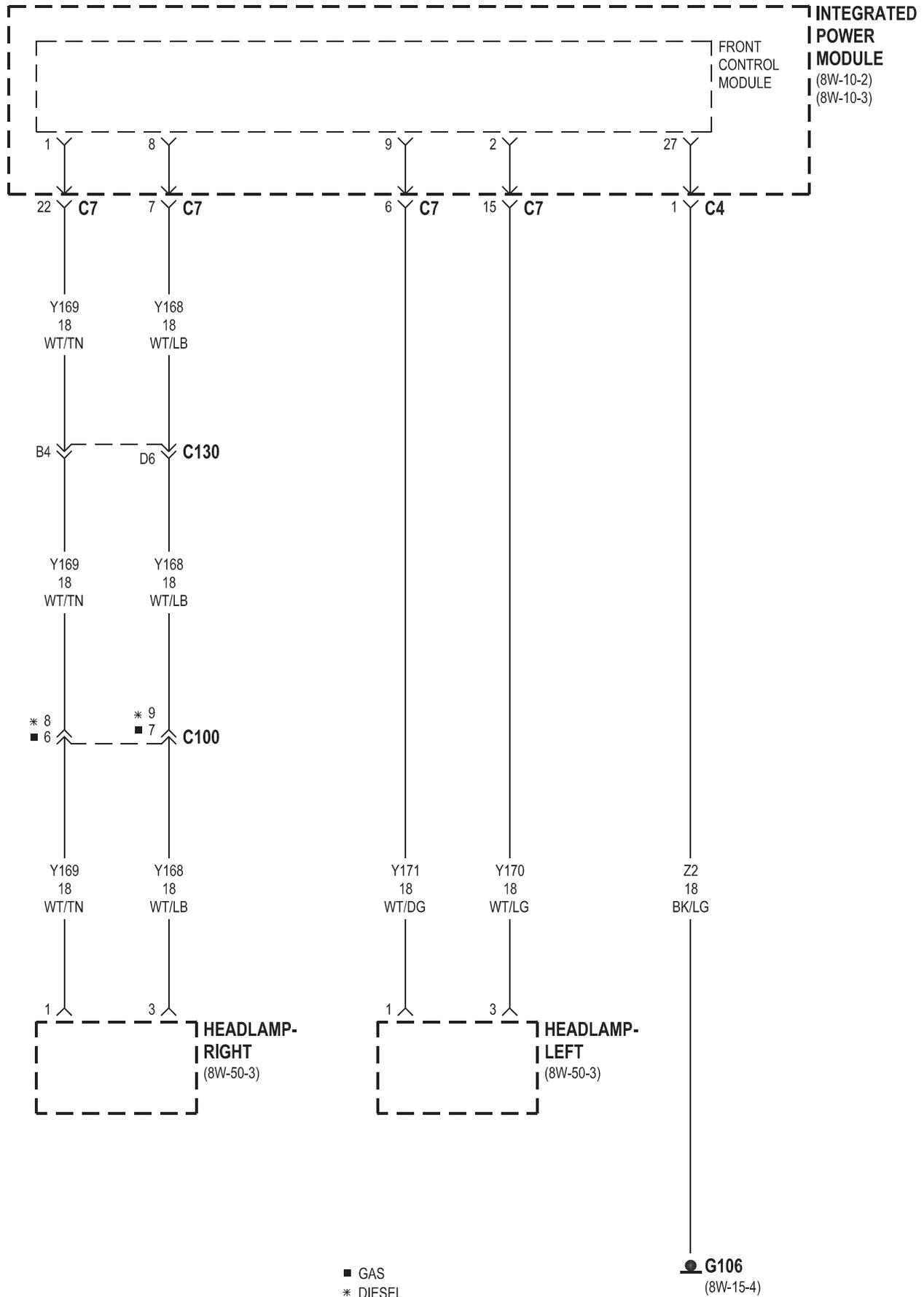
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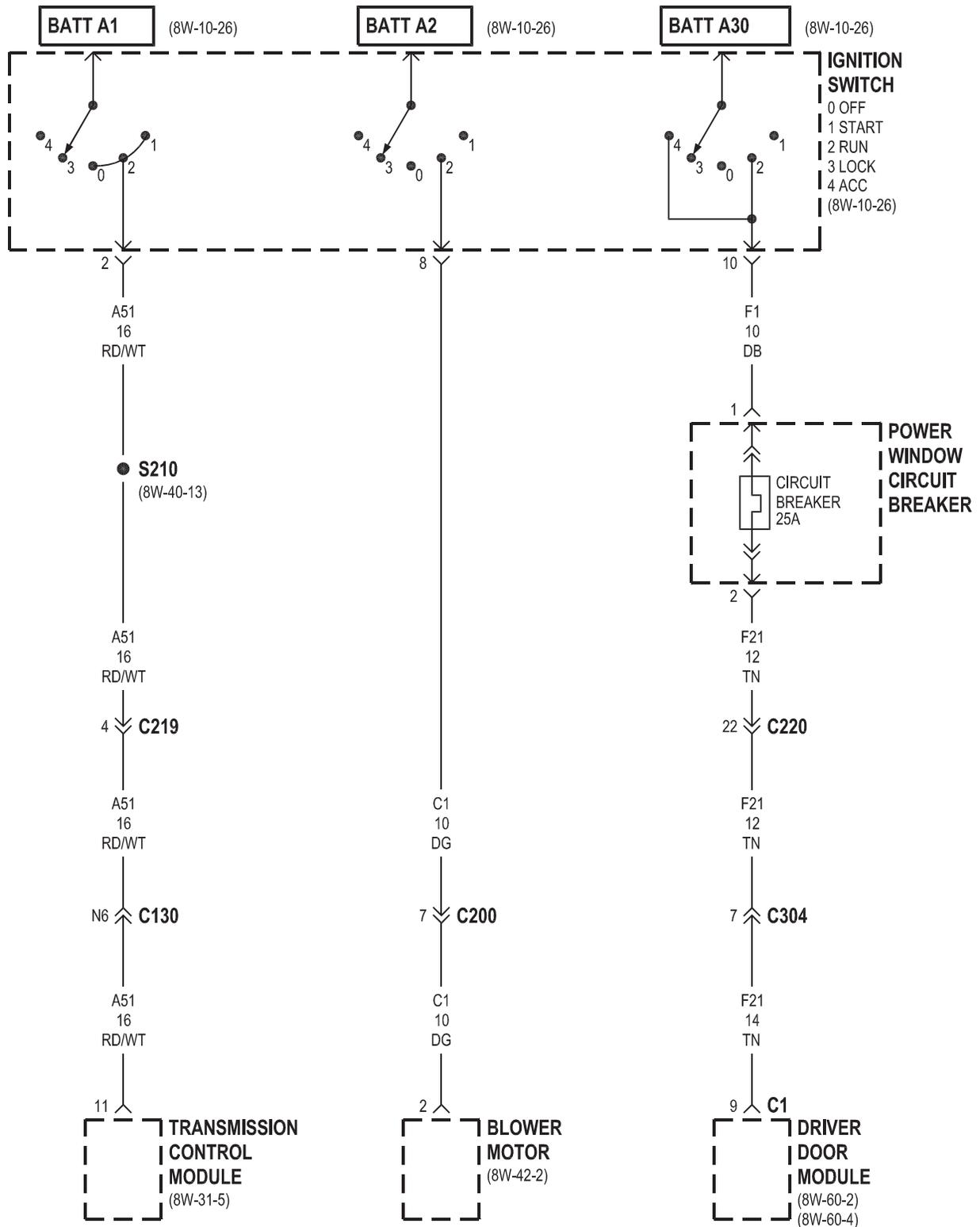
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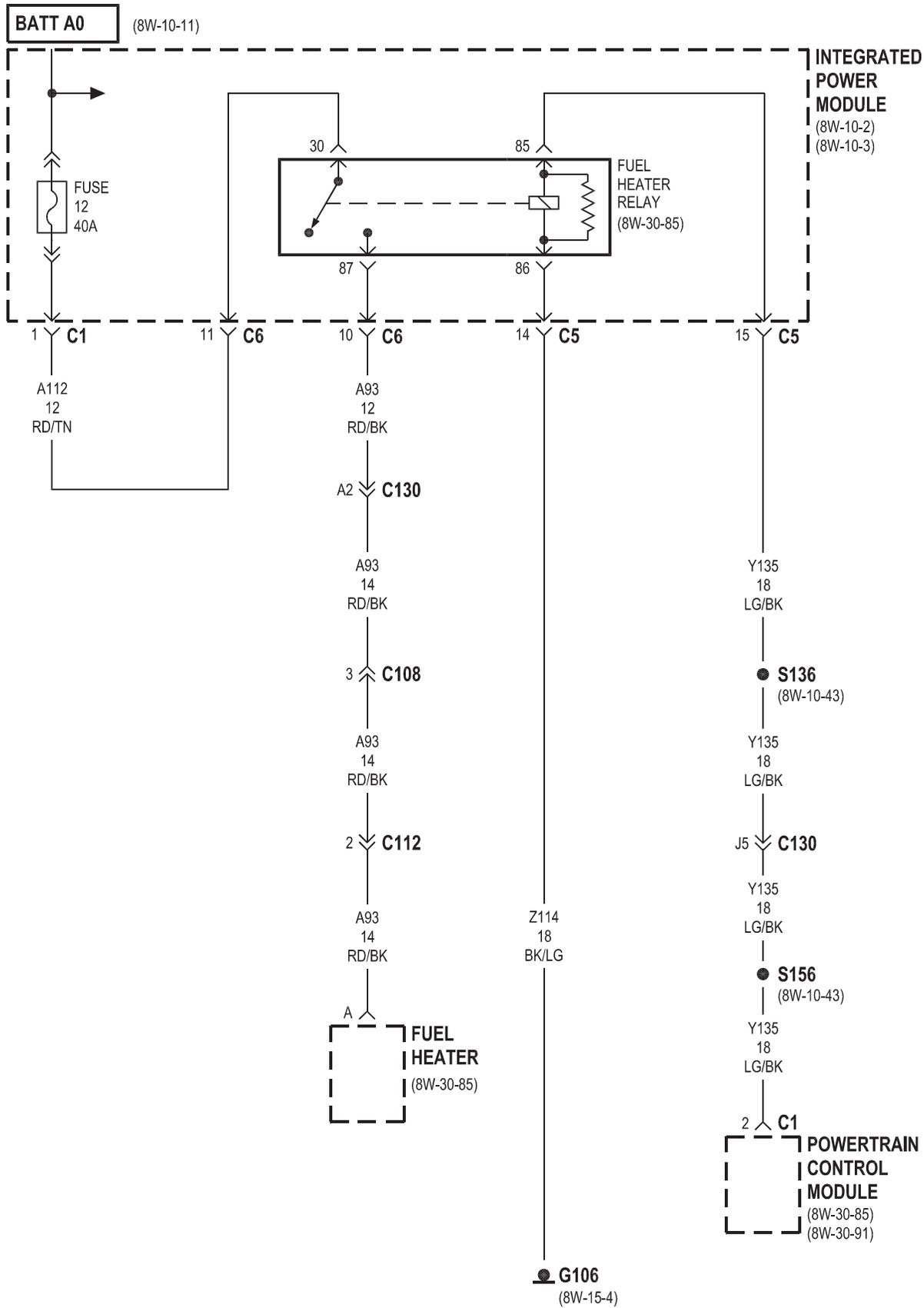
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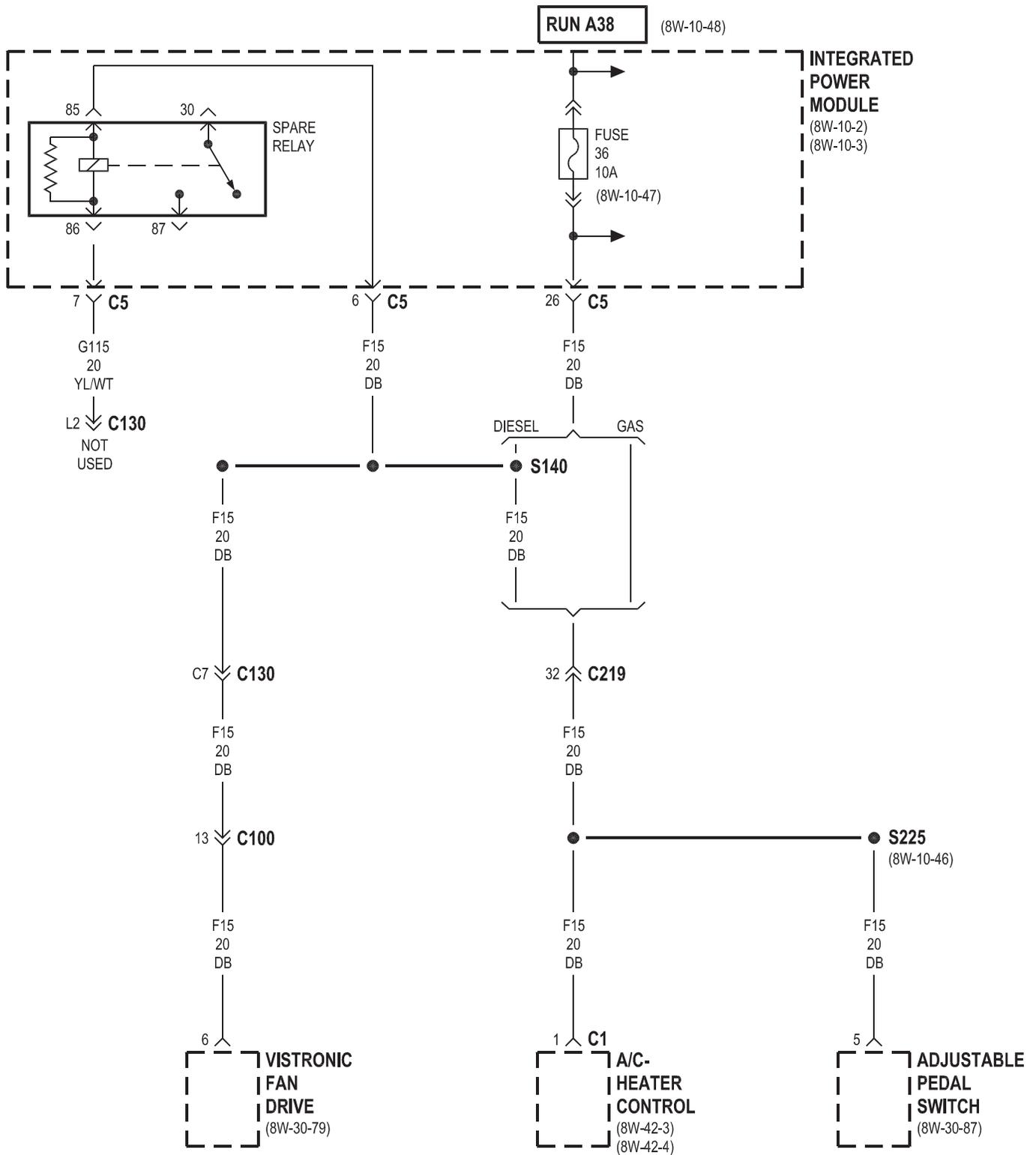
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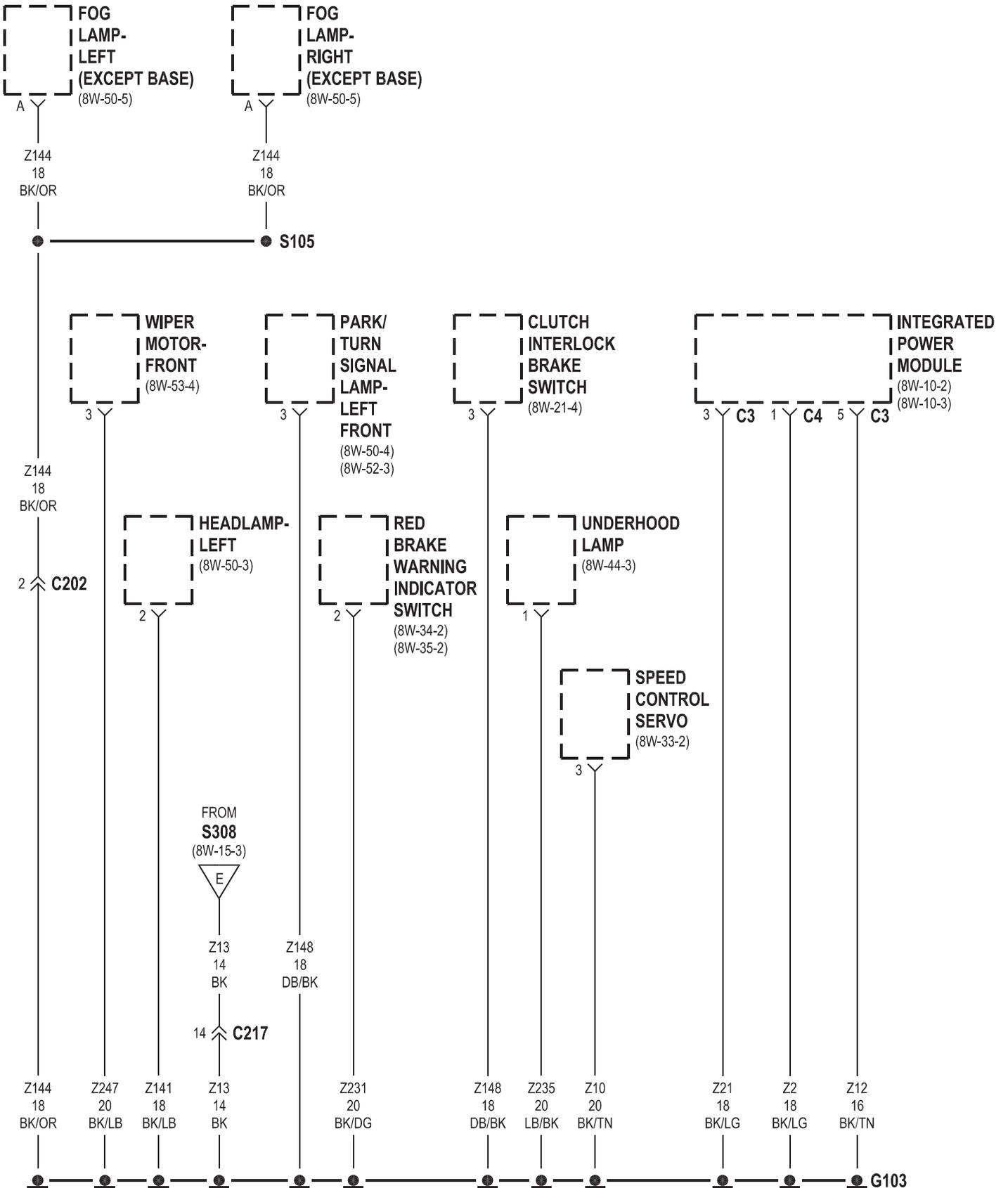
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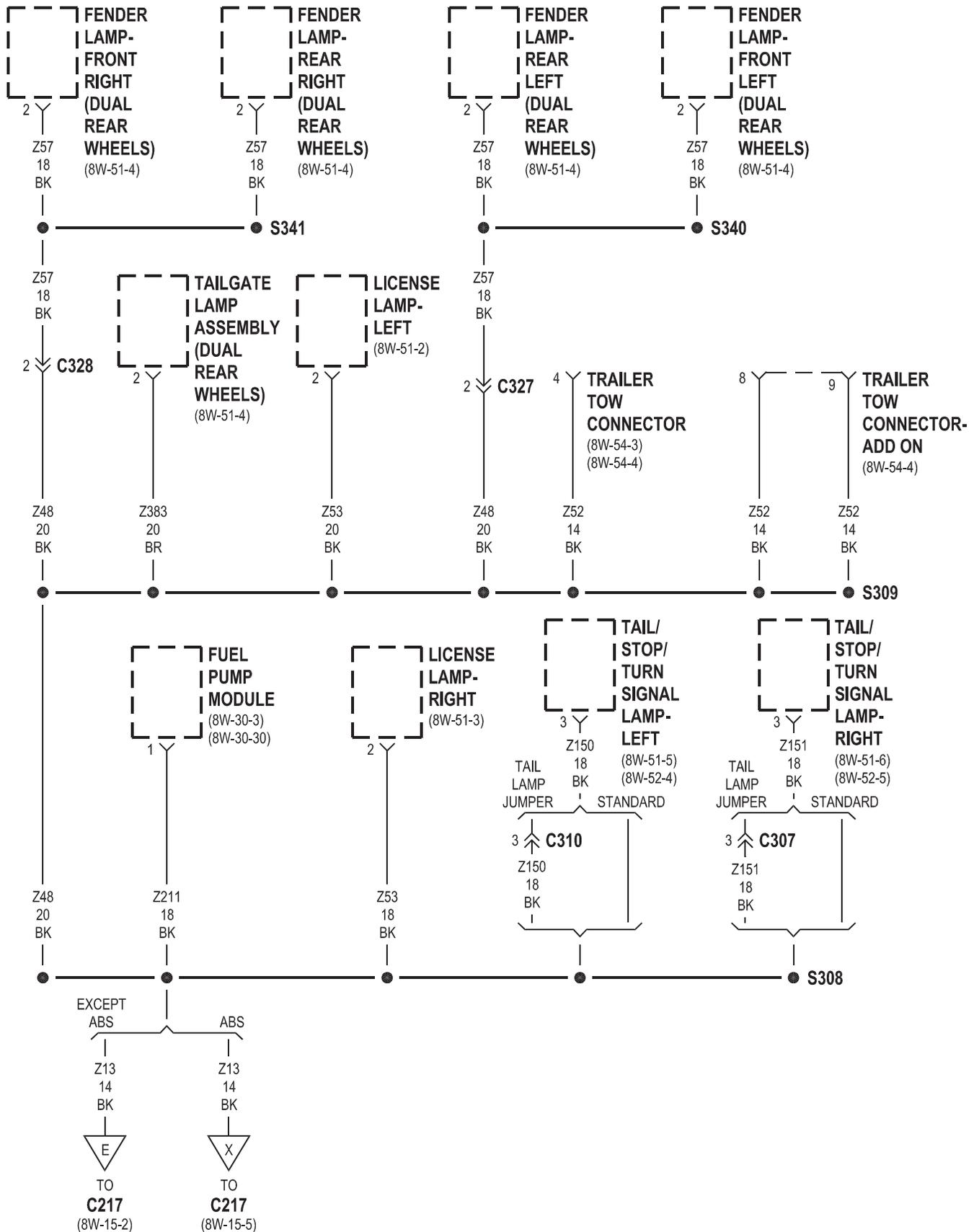
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## 8W-15 GROUND DISTRIBUTION

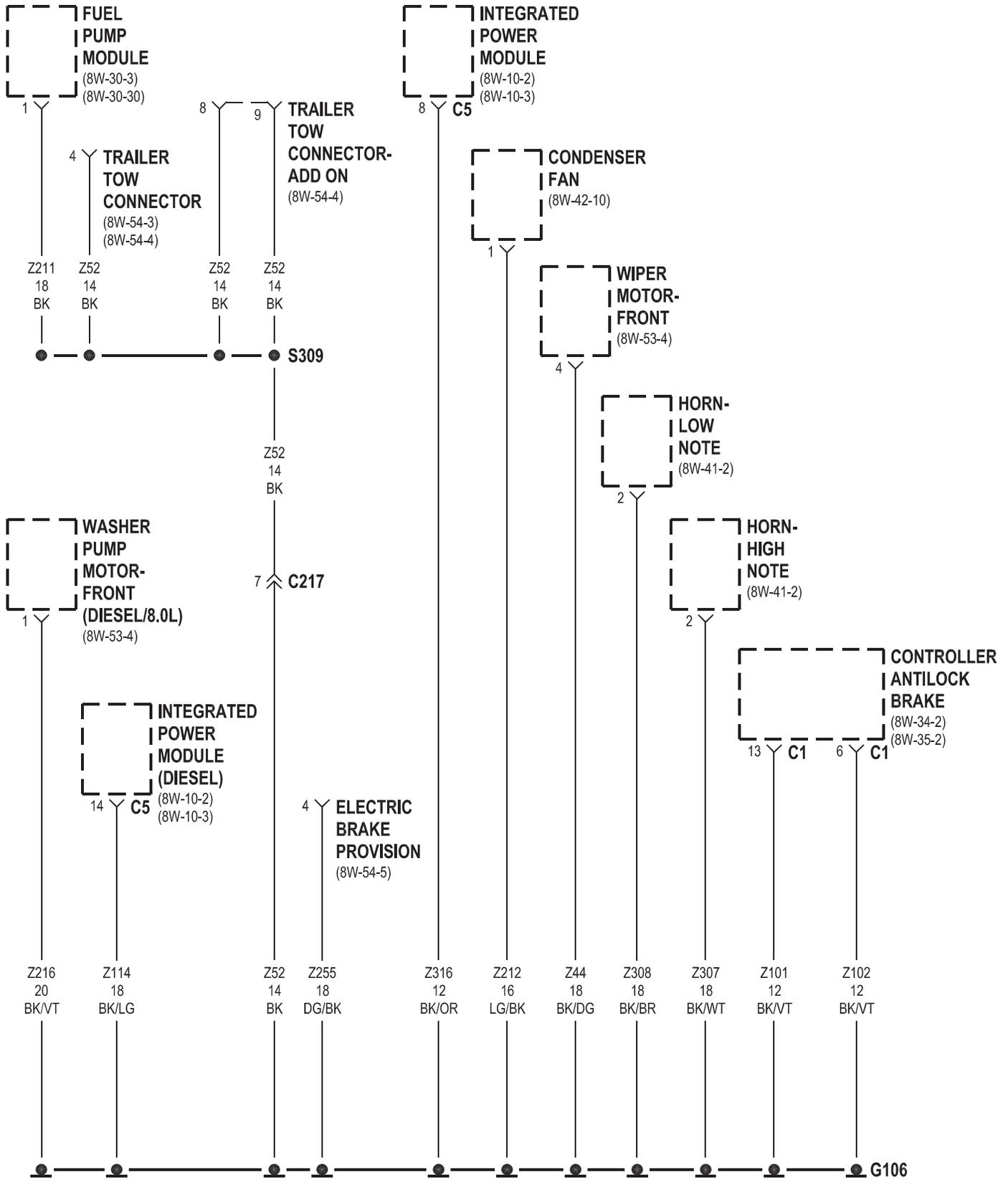
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
A/C Compressor Clutch	8W-15-9, 11	G120	8W-15-11
A/C-Heater Control	8W-15-15, 17	G201	8W-15-12, 13
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Airbag Control Module-Left Side Impact	8W-15-18	G204	8W-15-18
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Battery	8W-15-7	Headlamp-Left	8W-15-2, 5
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Clutch Interlock Brake Switch	8W-15-2, 5	Intake Air Heater Relay No. 2	8W-15-7
Compass/Mini-Trip Computer	8W-15-15	Integrated Power Module	8W-15-2, 4, 5, 8
Condenser Fan	8W-15-4, 6	Leak Detection Pump	8W-15-10
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Cylinder Lock Switch-Driver	8W-15-19	License Lamp-Right	8W-15-3
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Door Ajar Switch-Passenger	8W-15-19	Oxygen Sensor 2/2 Downstream	8W-15-9, 10
Door Ajar Switch-Right Rear	8W-15-20	Park/Turn Signal Lamp-Left Front	8W-15-2, 6
Door Lock Motor/Ajar Switch-Driver	8W-15-19	Park/Turn Signal Lamp-Right Front	8W-15-7
Door Lock Motor/Ajar Switch-Left Rear	8W-15-20	Power Mirror-Left	8W-15-21
Door Lock Motor/Ajar Switch-Passenger	8W-15-19	Power Mirror-Right	8W-15-22
Door Lock Motor/Ajar Switch-Right Rear	8W-15-20	Power Outlet	8W-15-17
Door Lock Switch-Passenger	8W-15-19	Power Outlet-Console	8W-15-21
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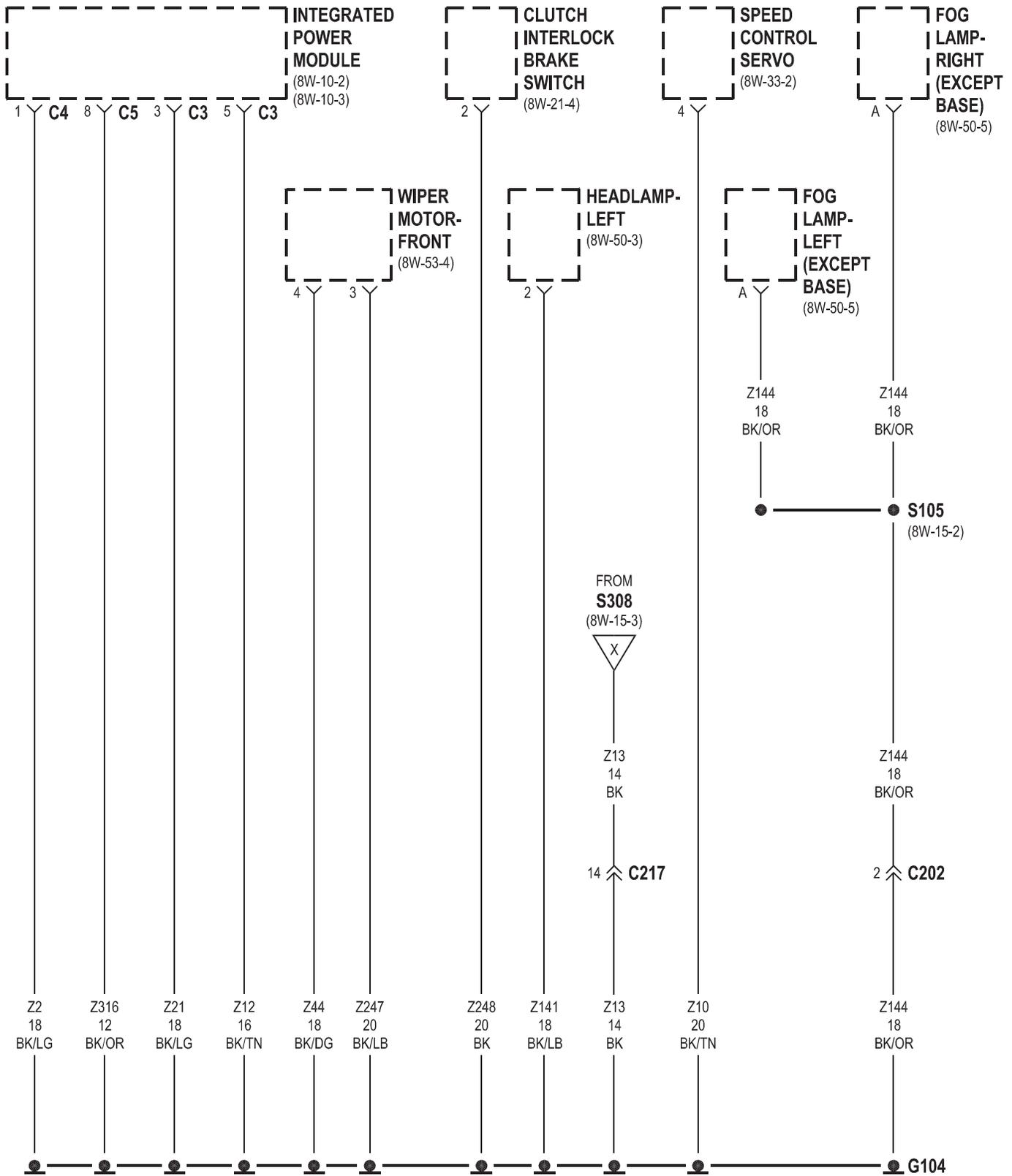
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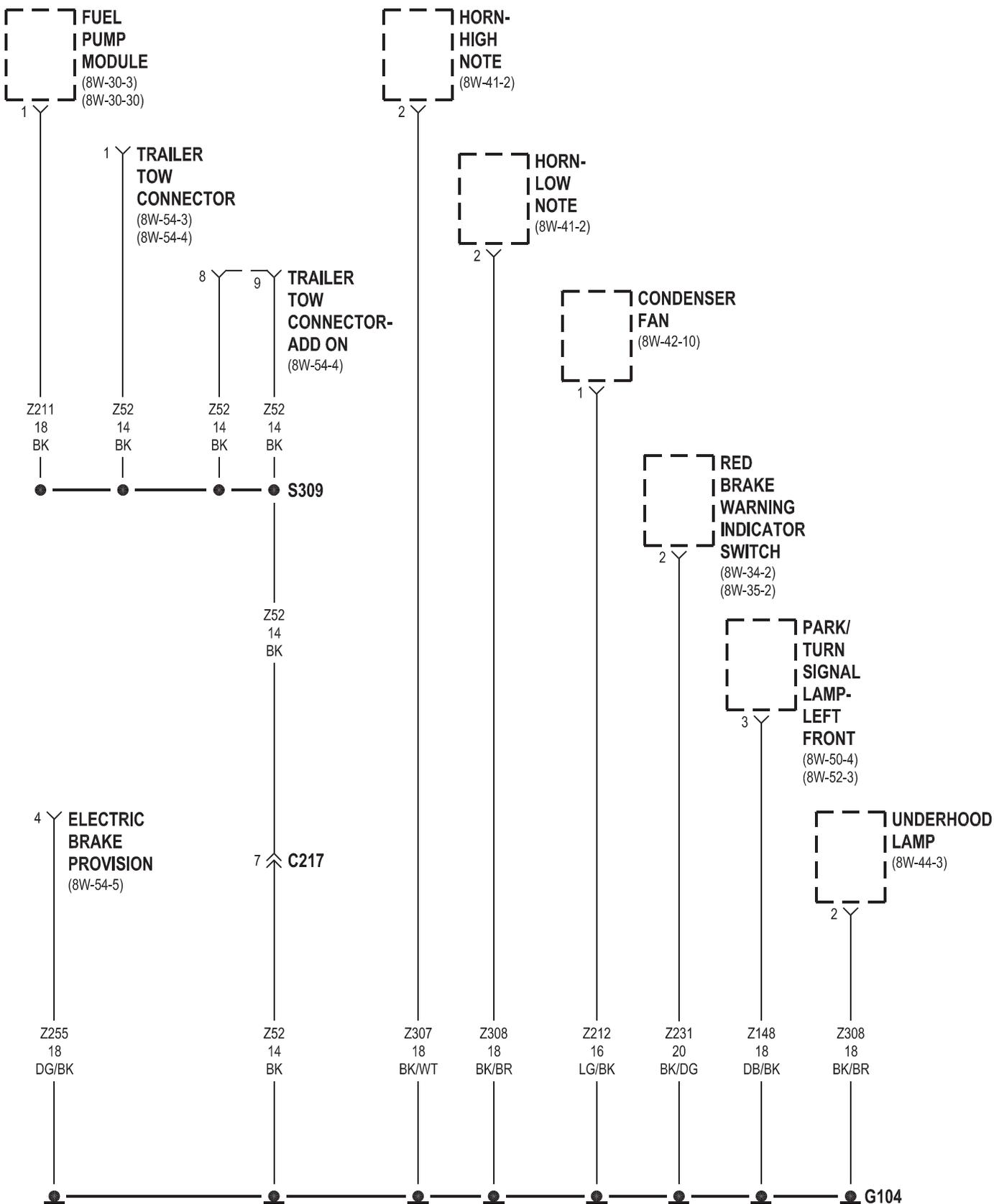
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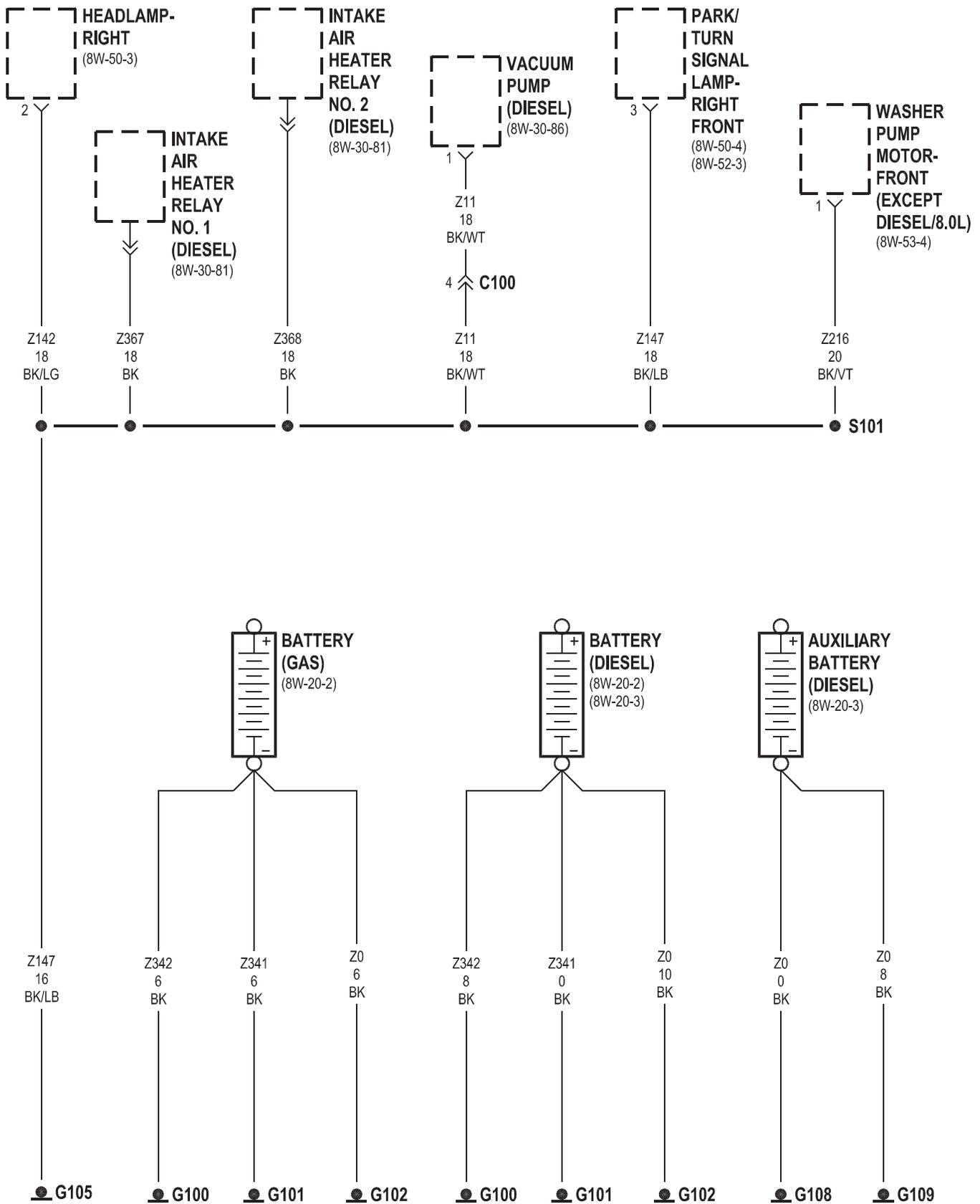
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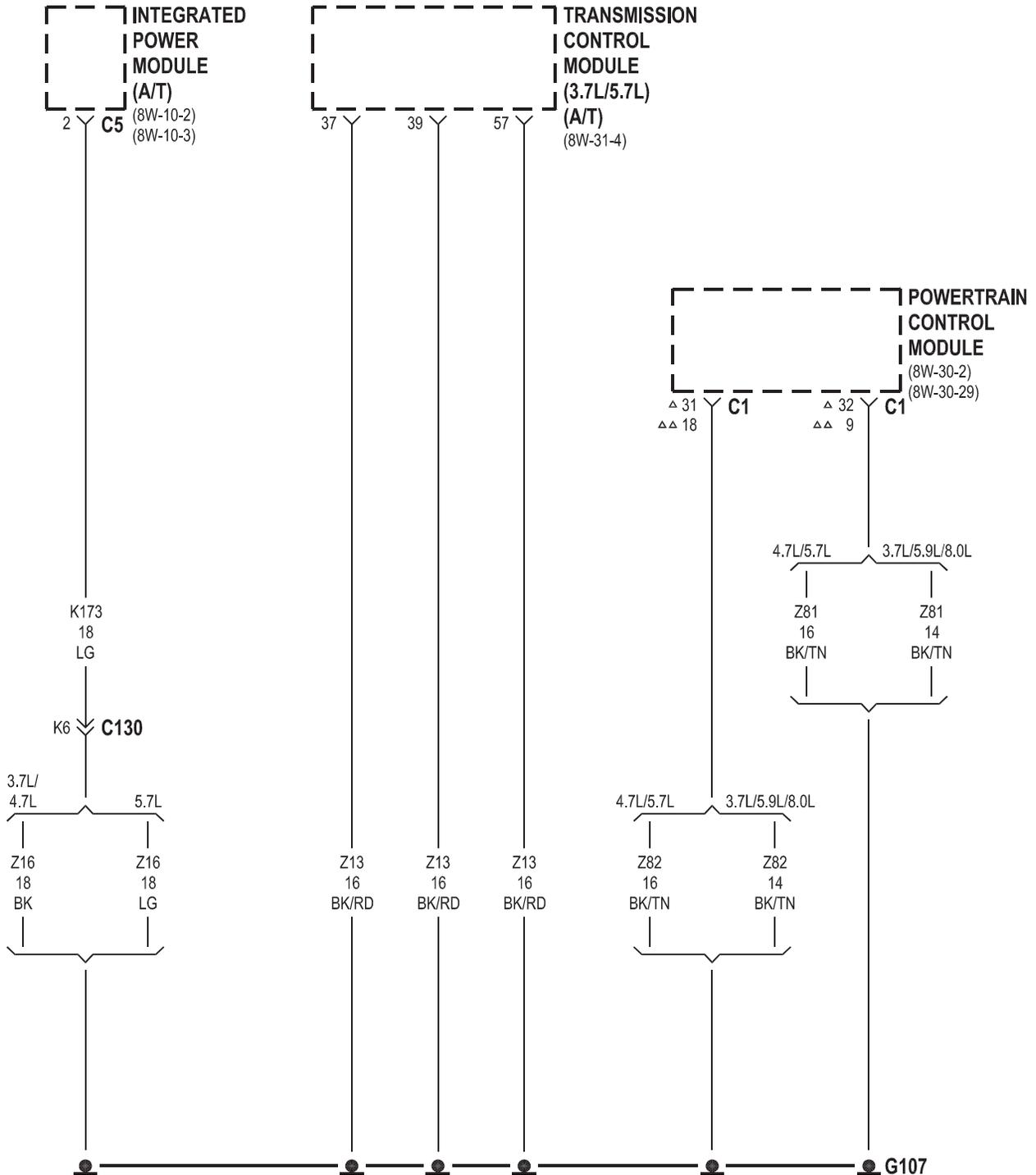
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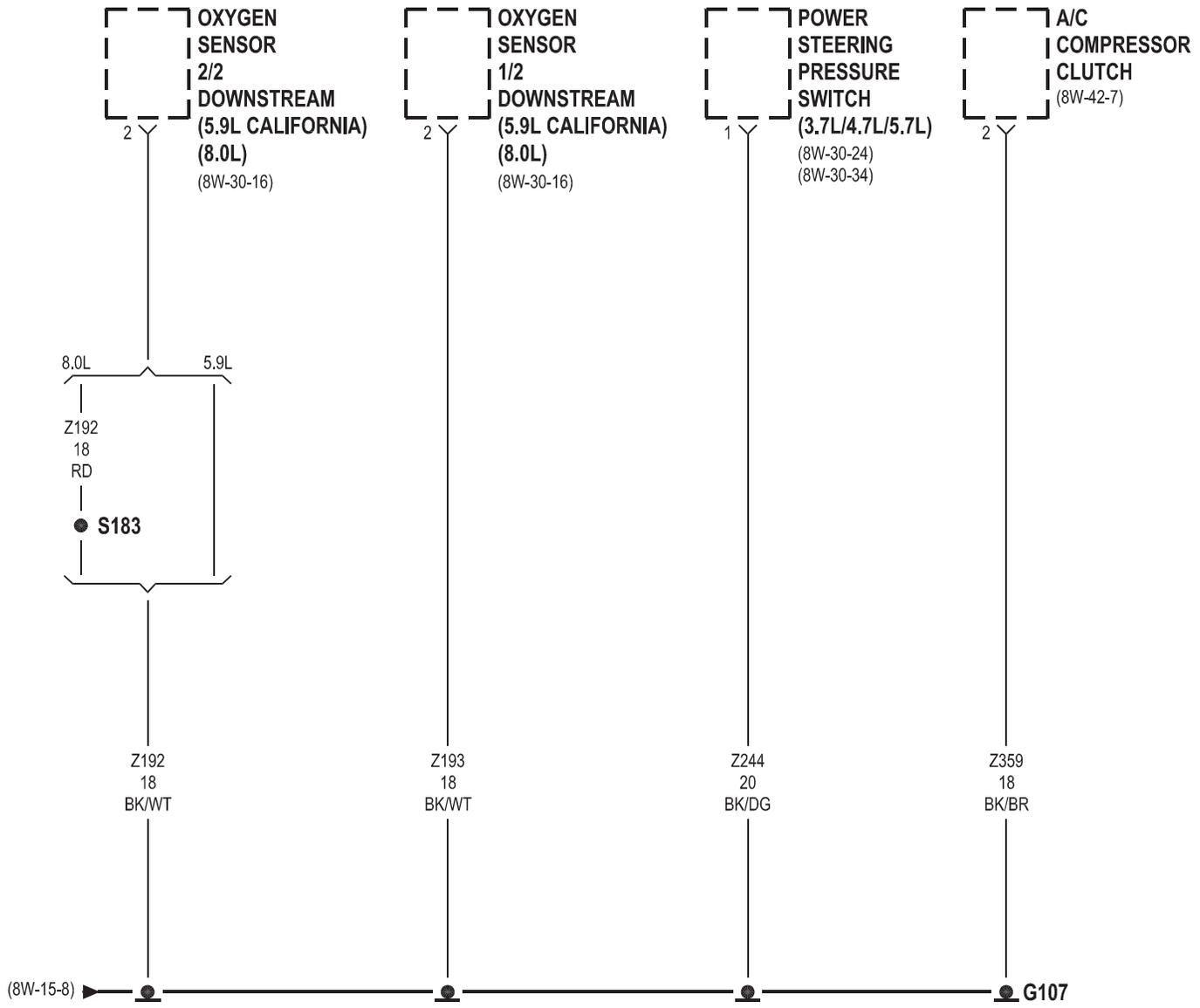
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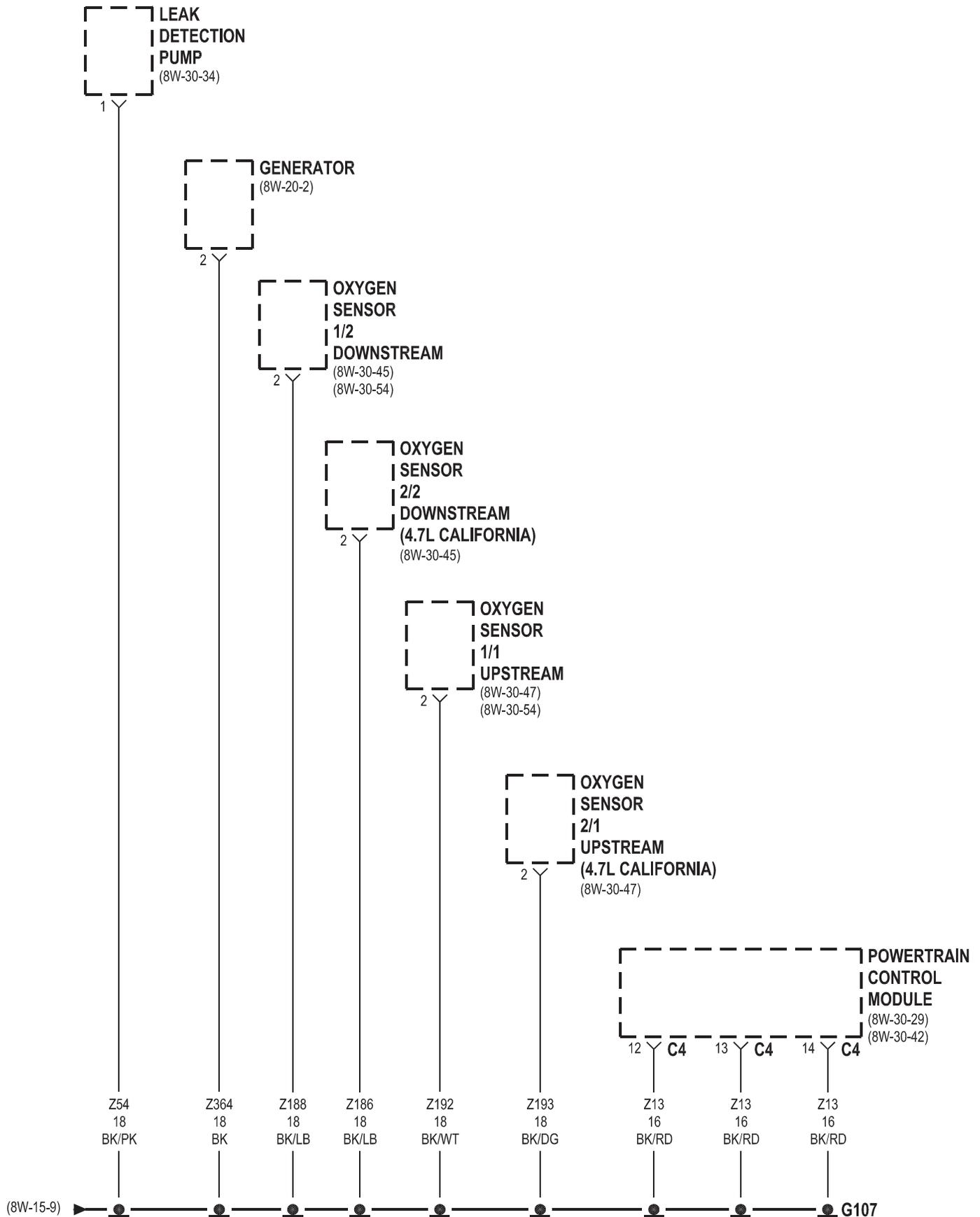
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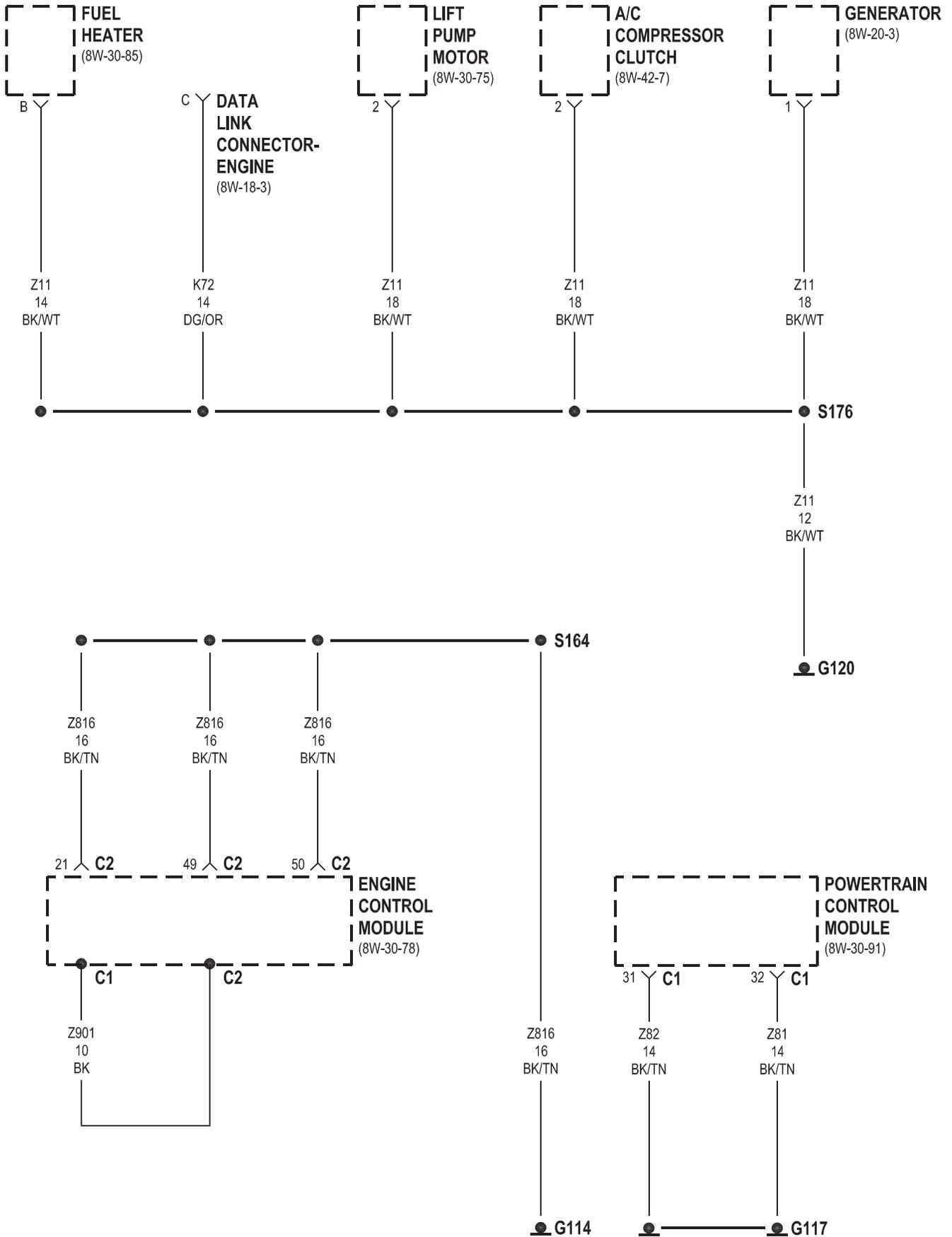


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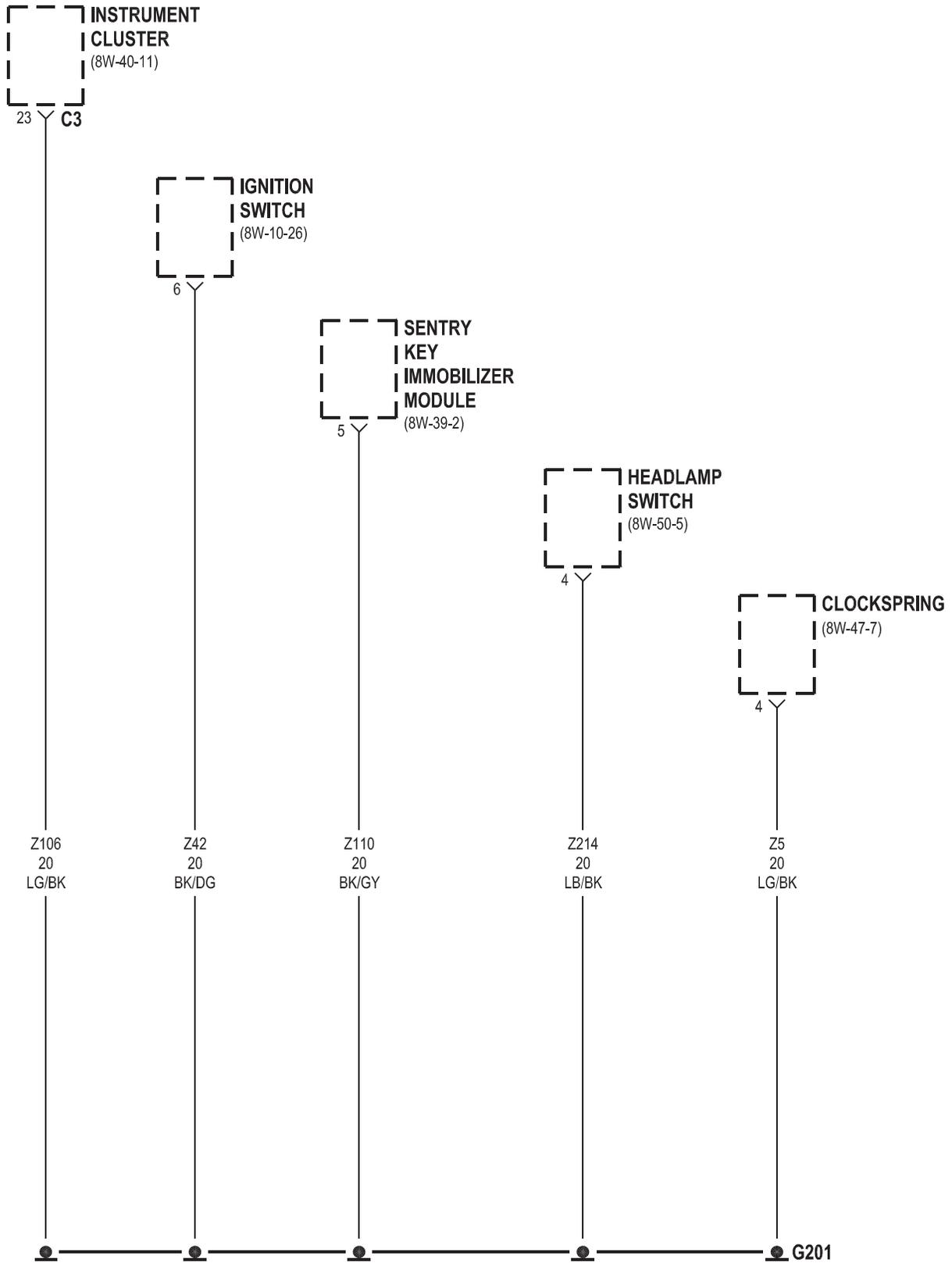


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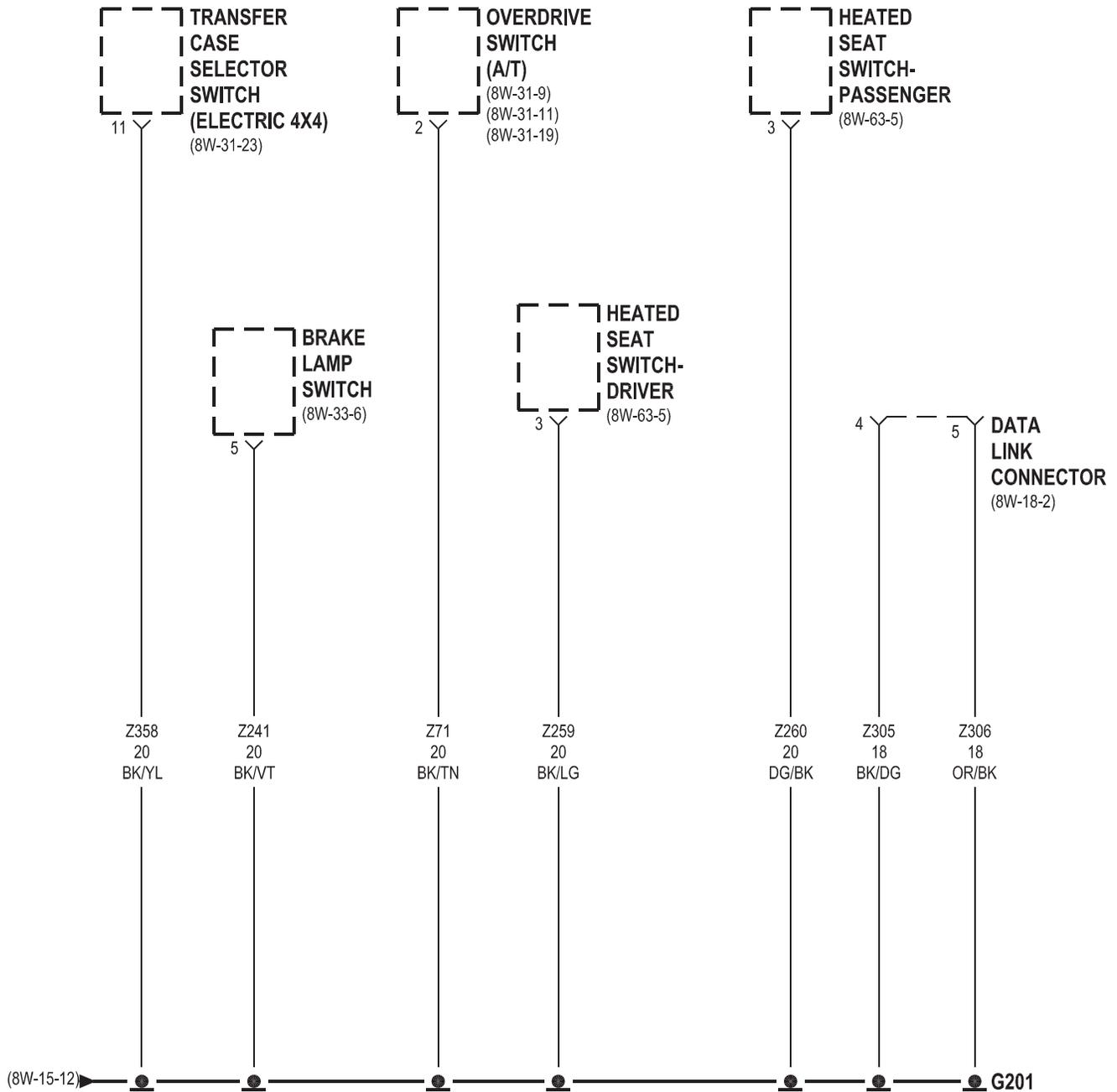
DR 8W-15 GROUND DISTRIBUTION 8W - 15 - 11  
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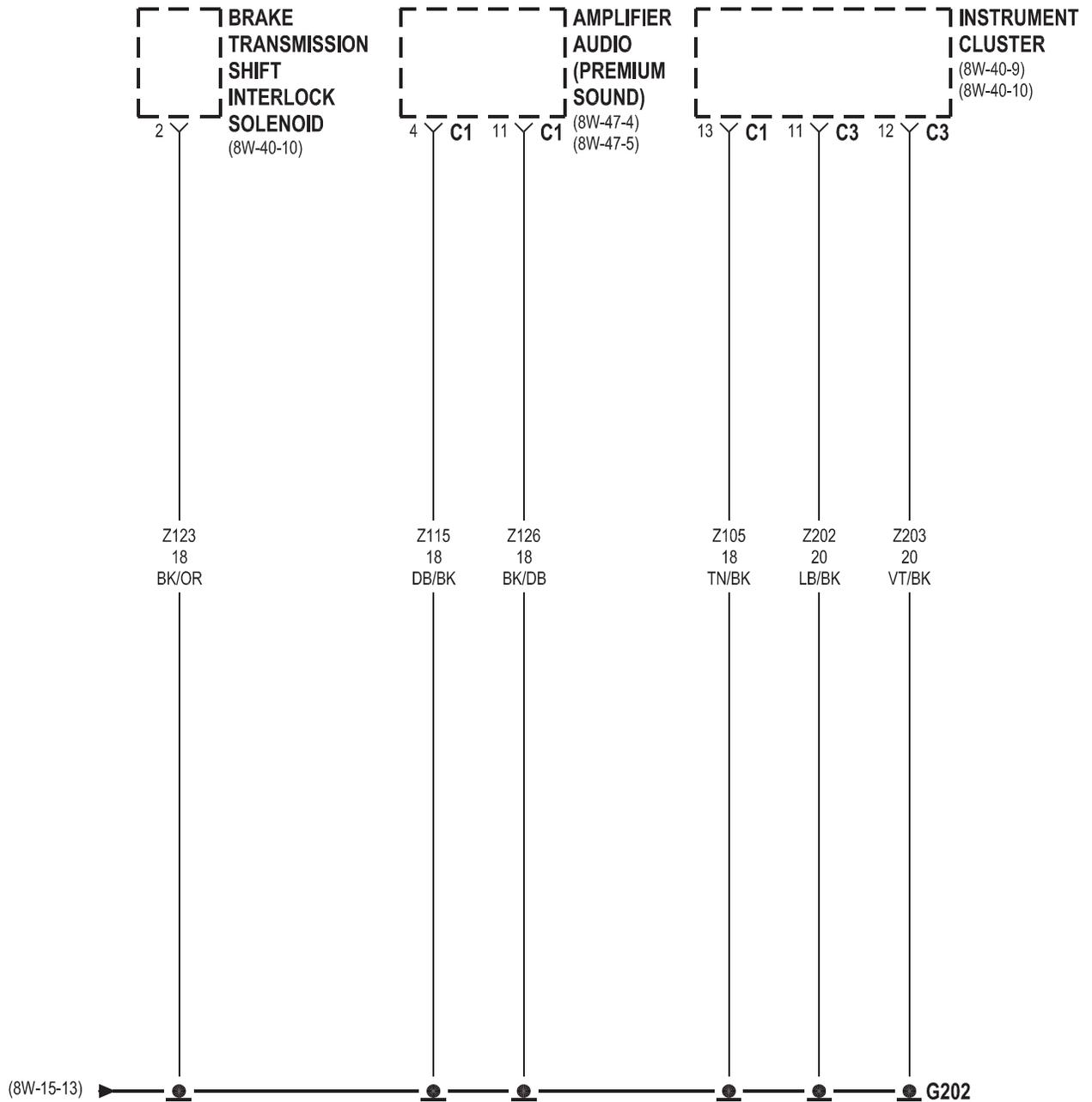
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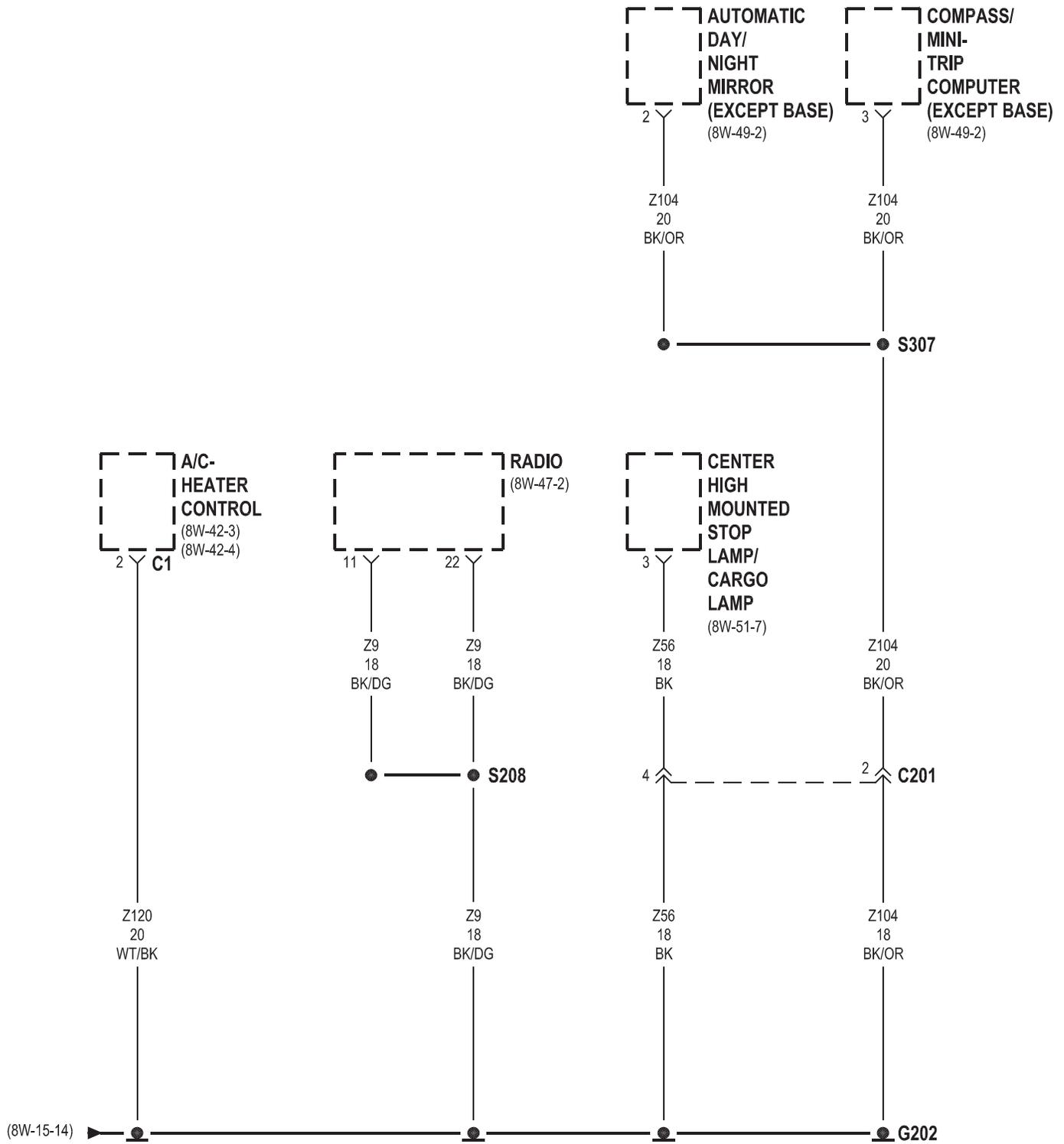
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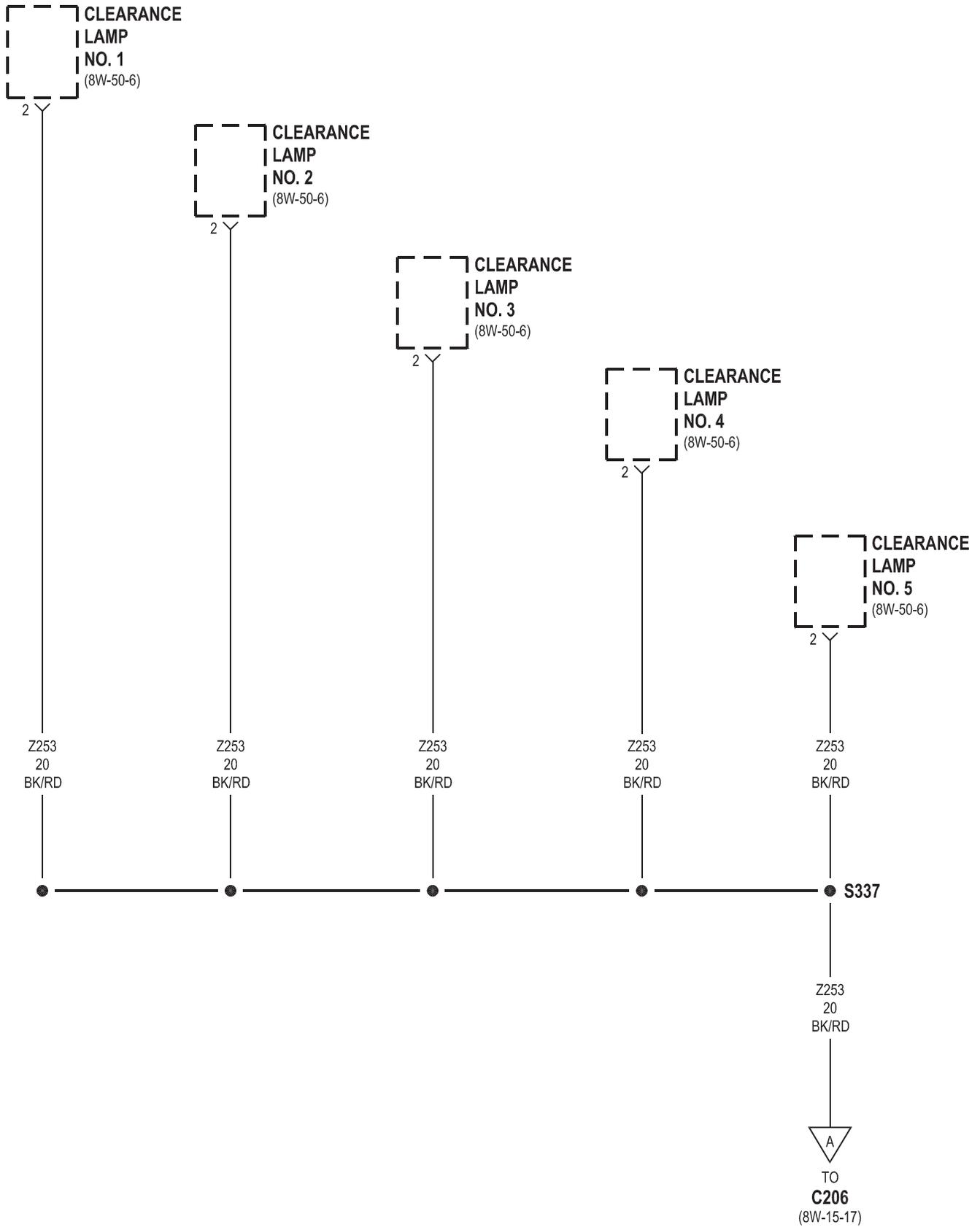
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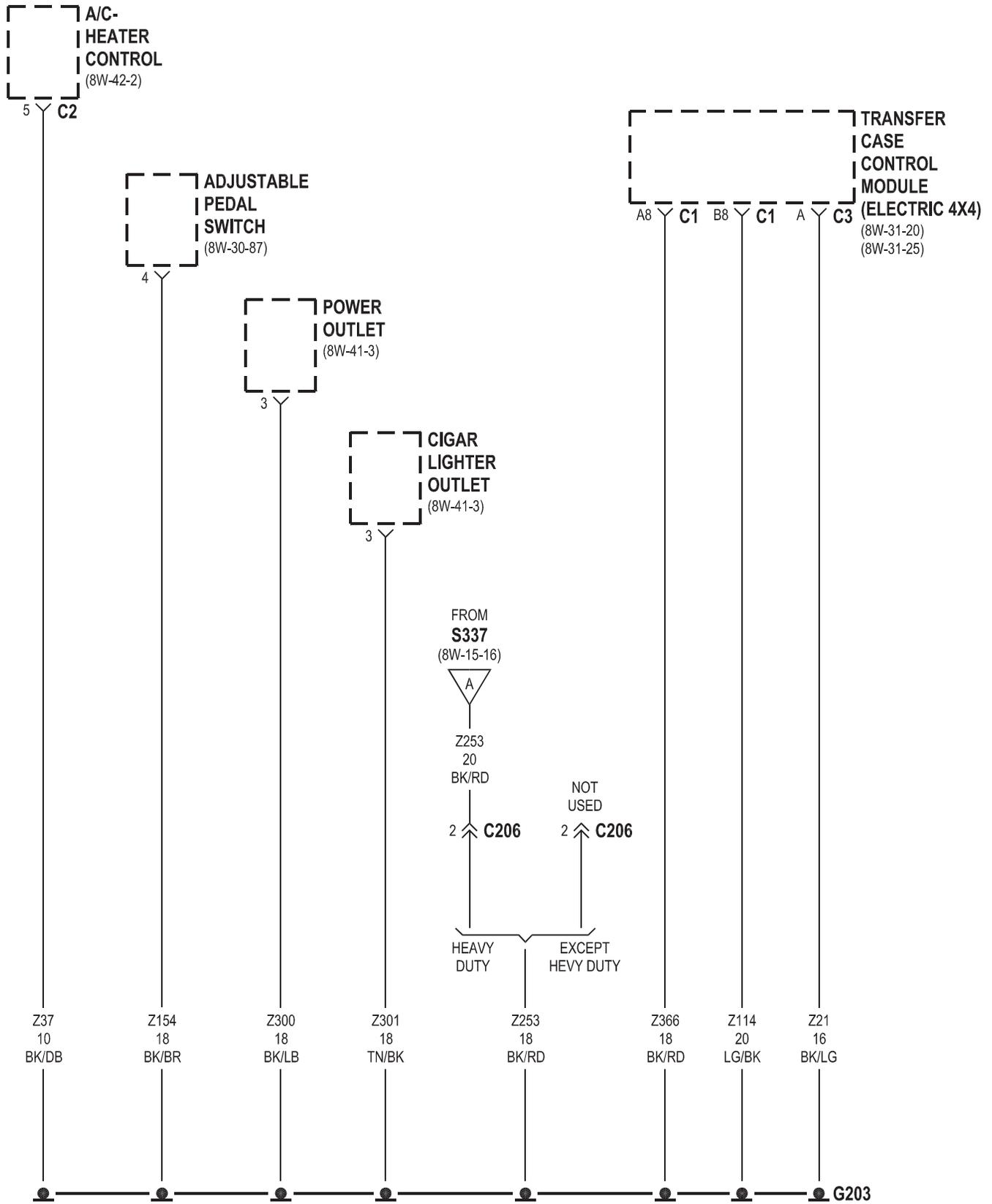
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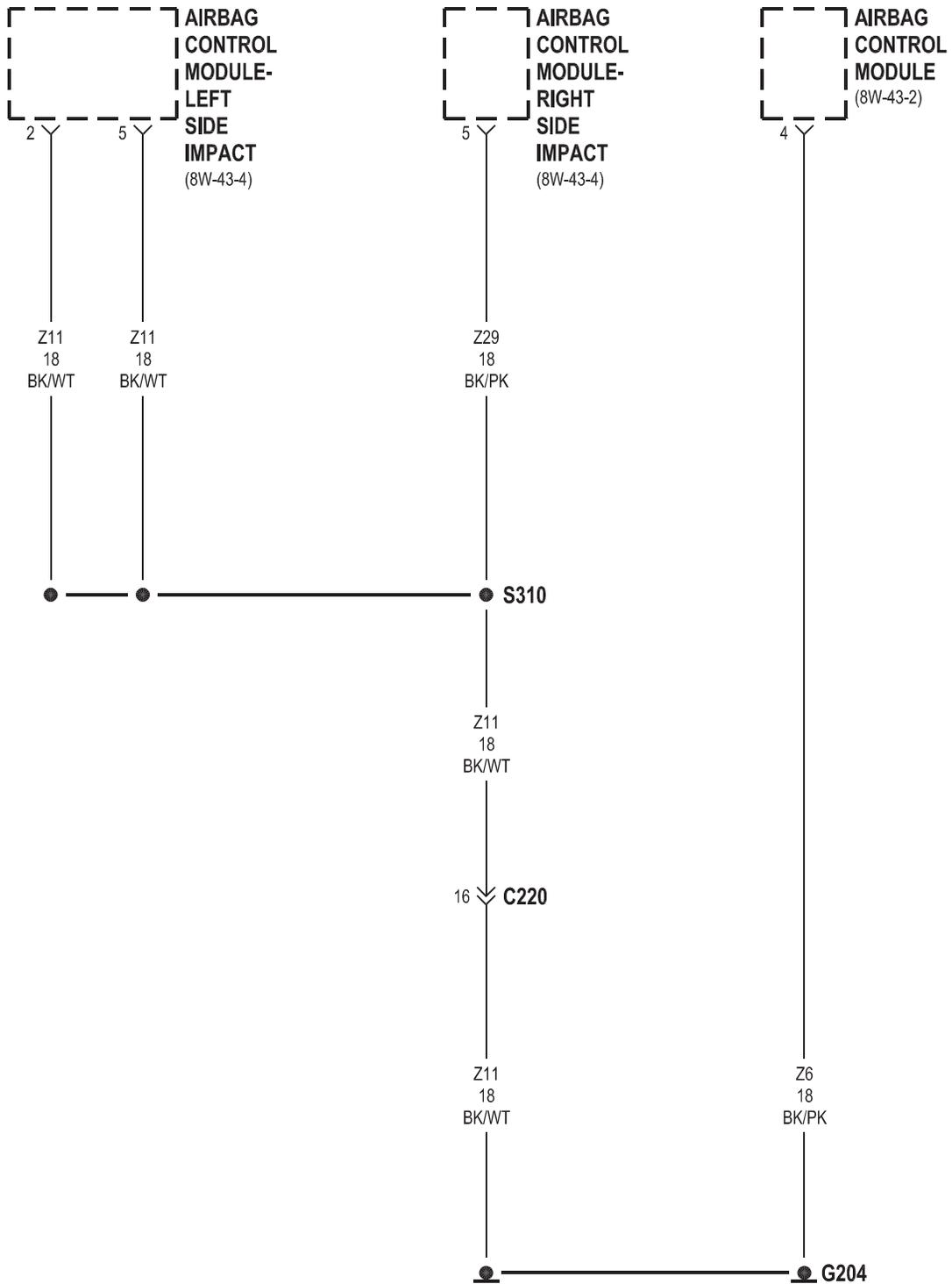
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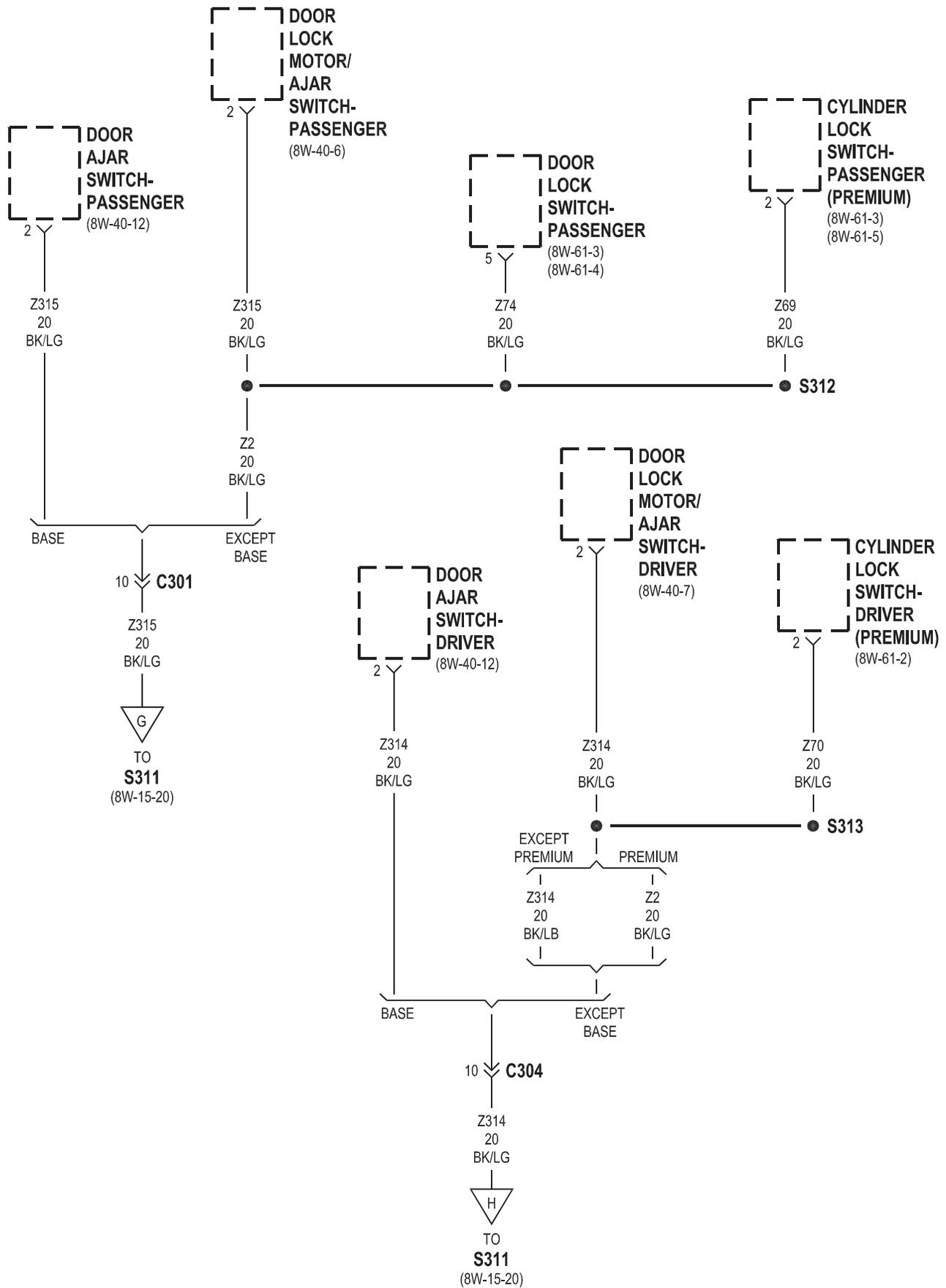
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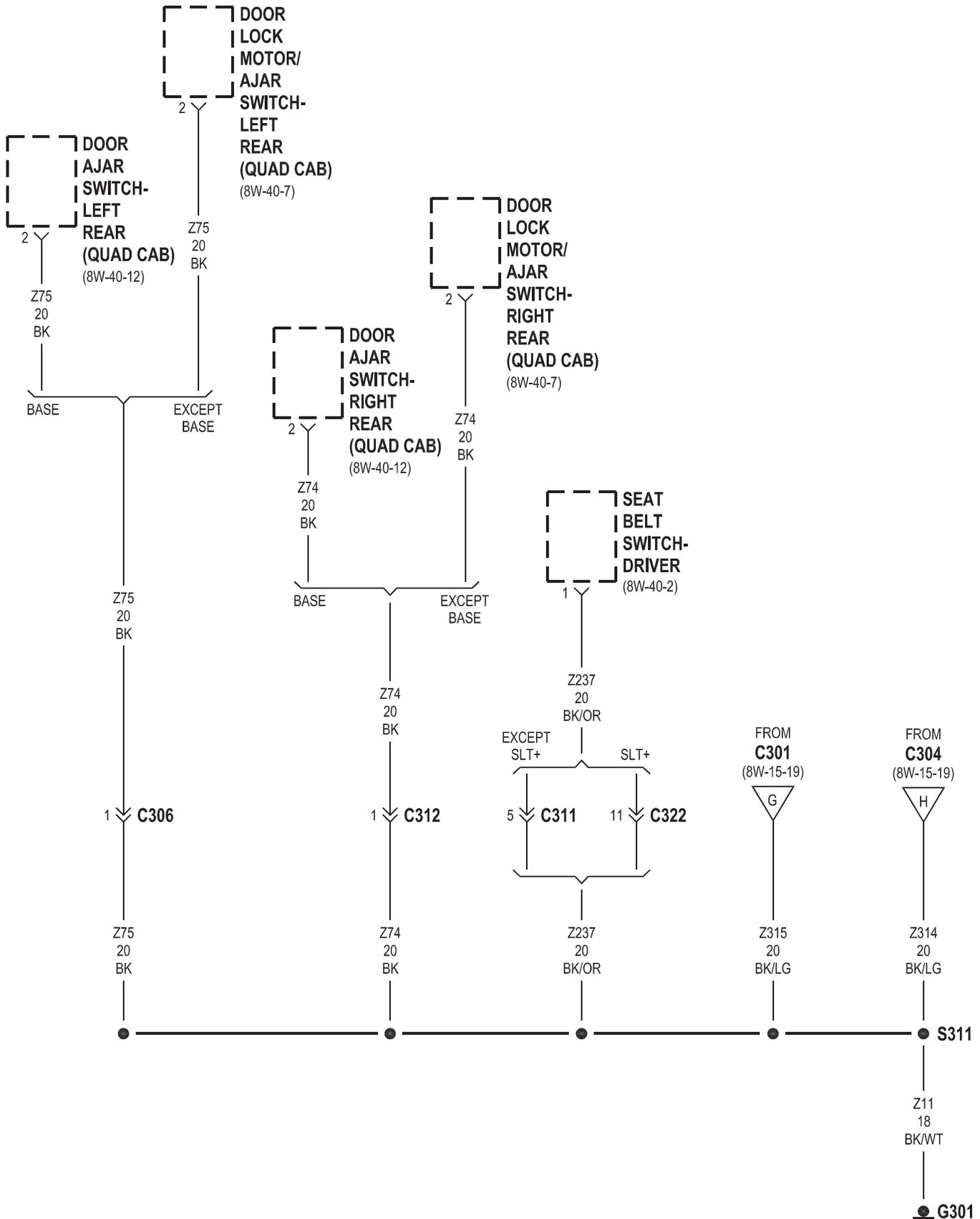
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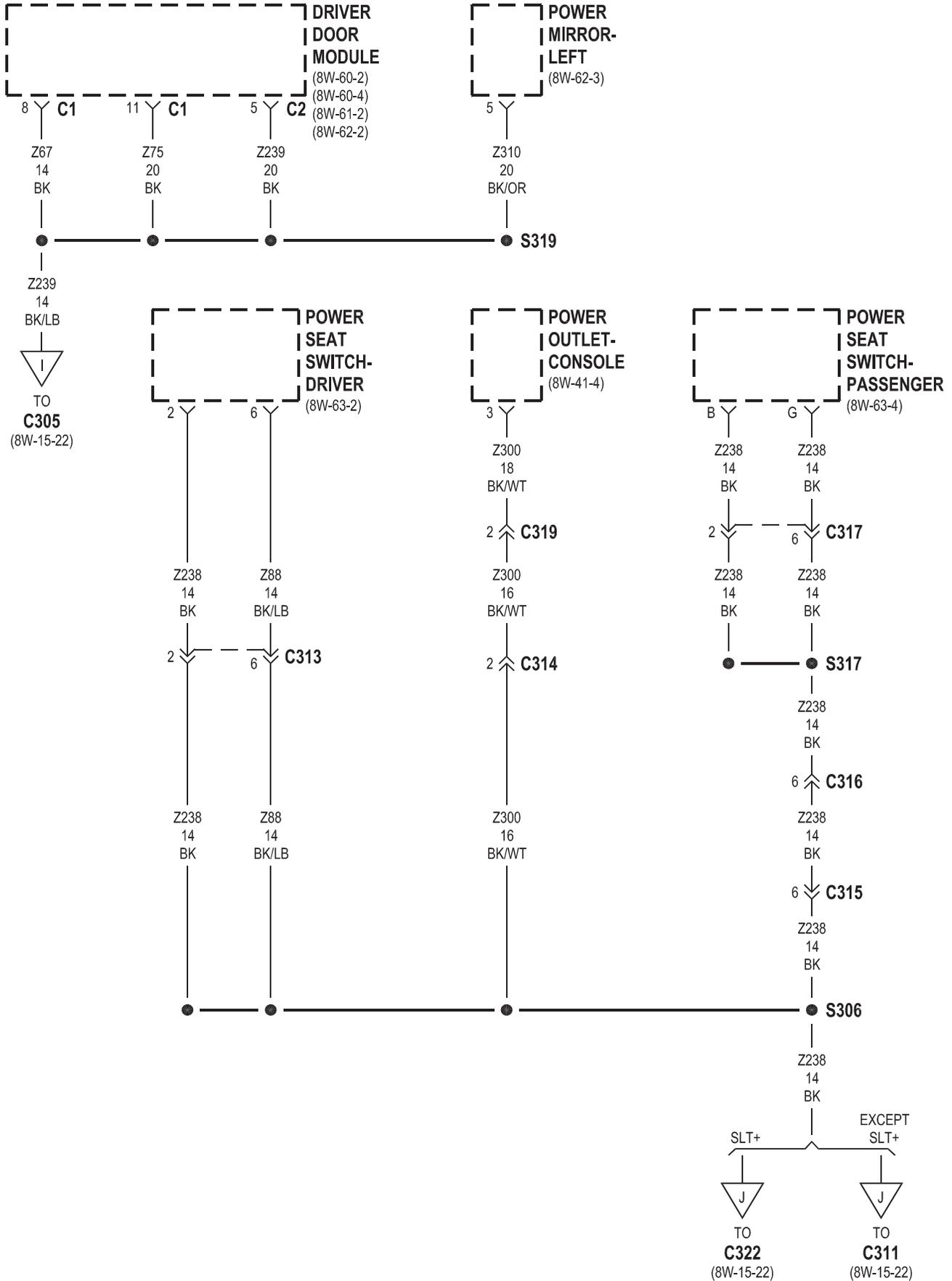
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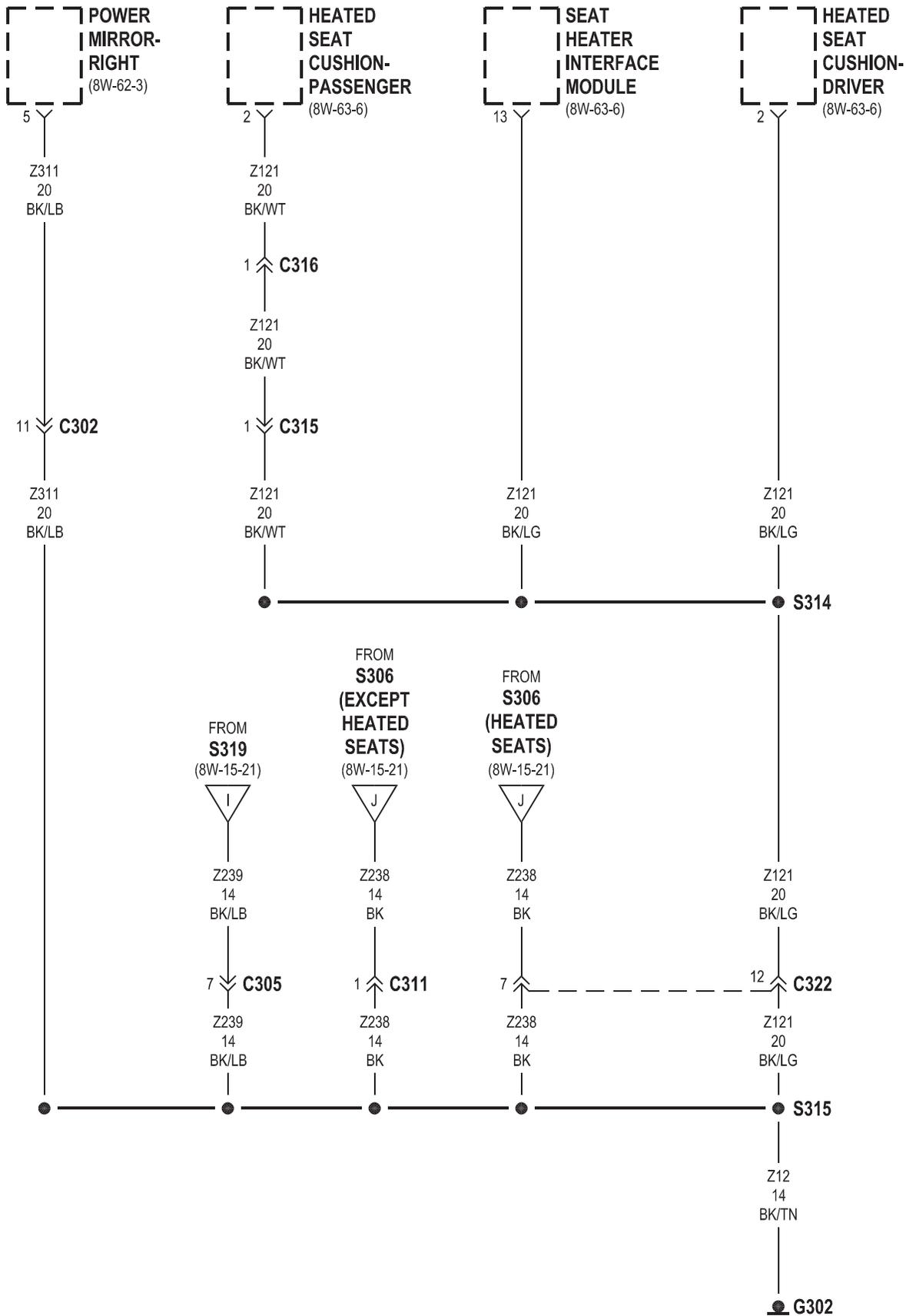
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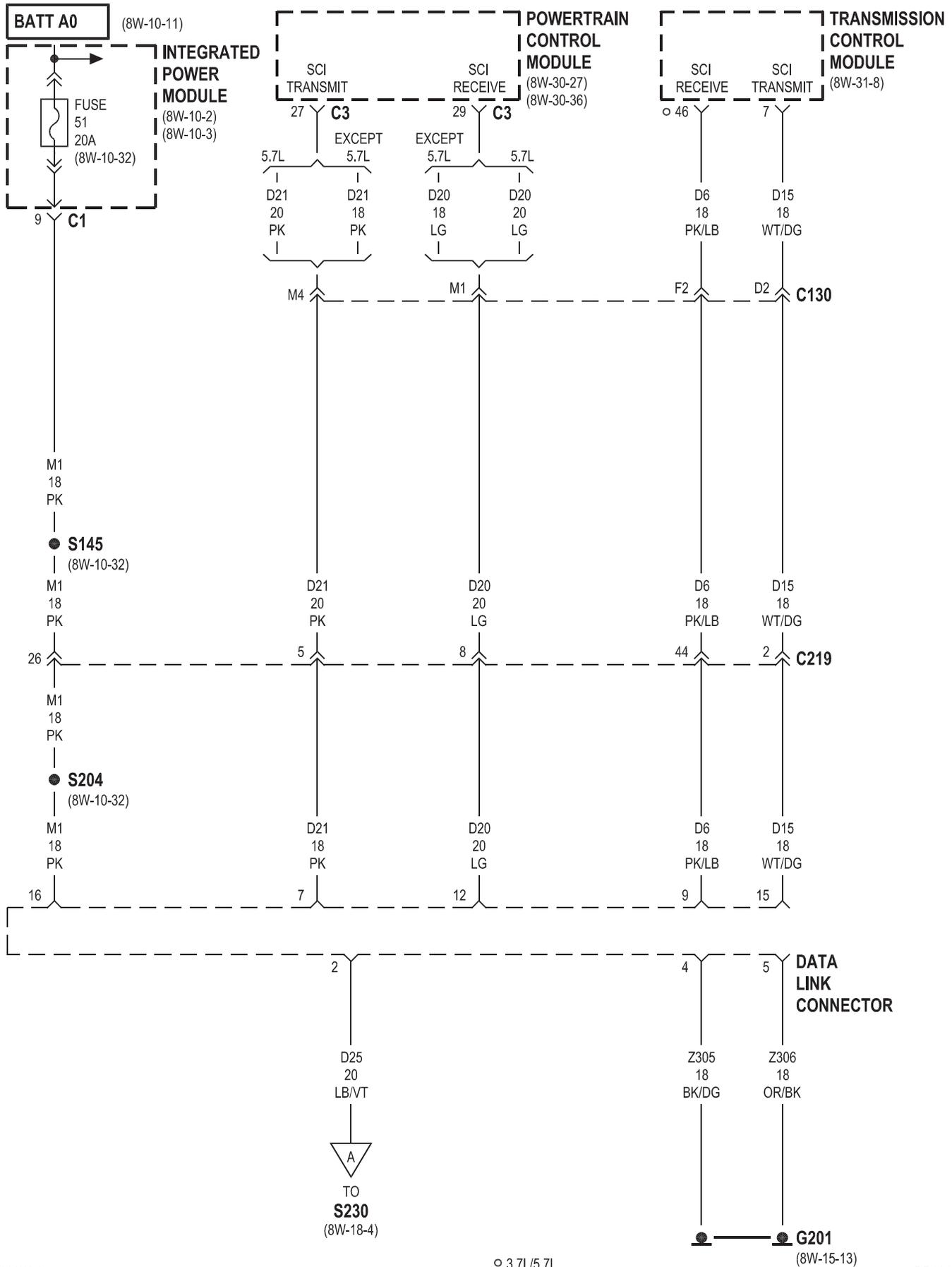


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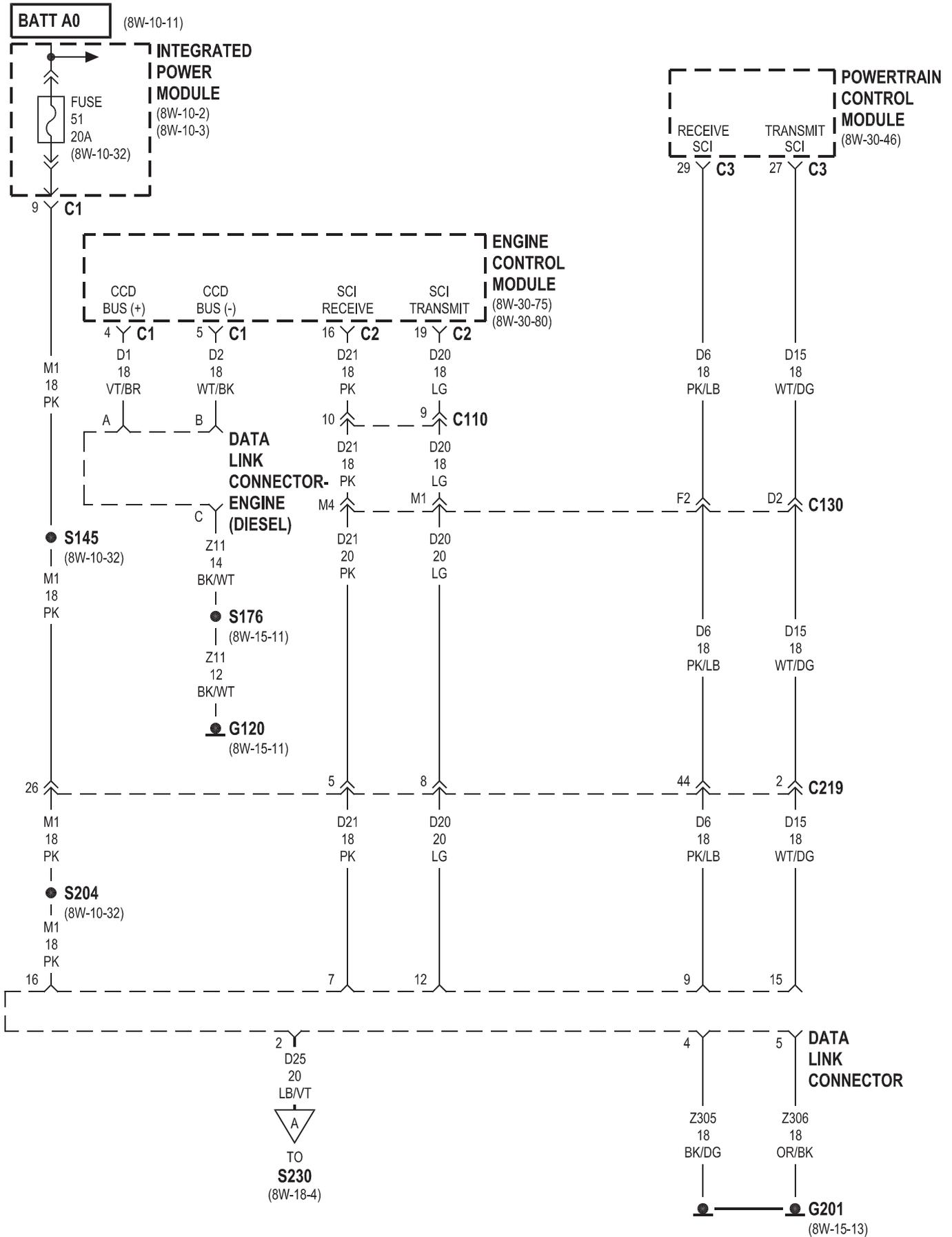
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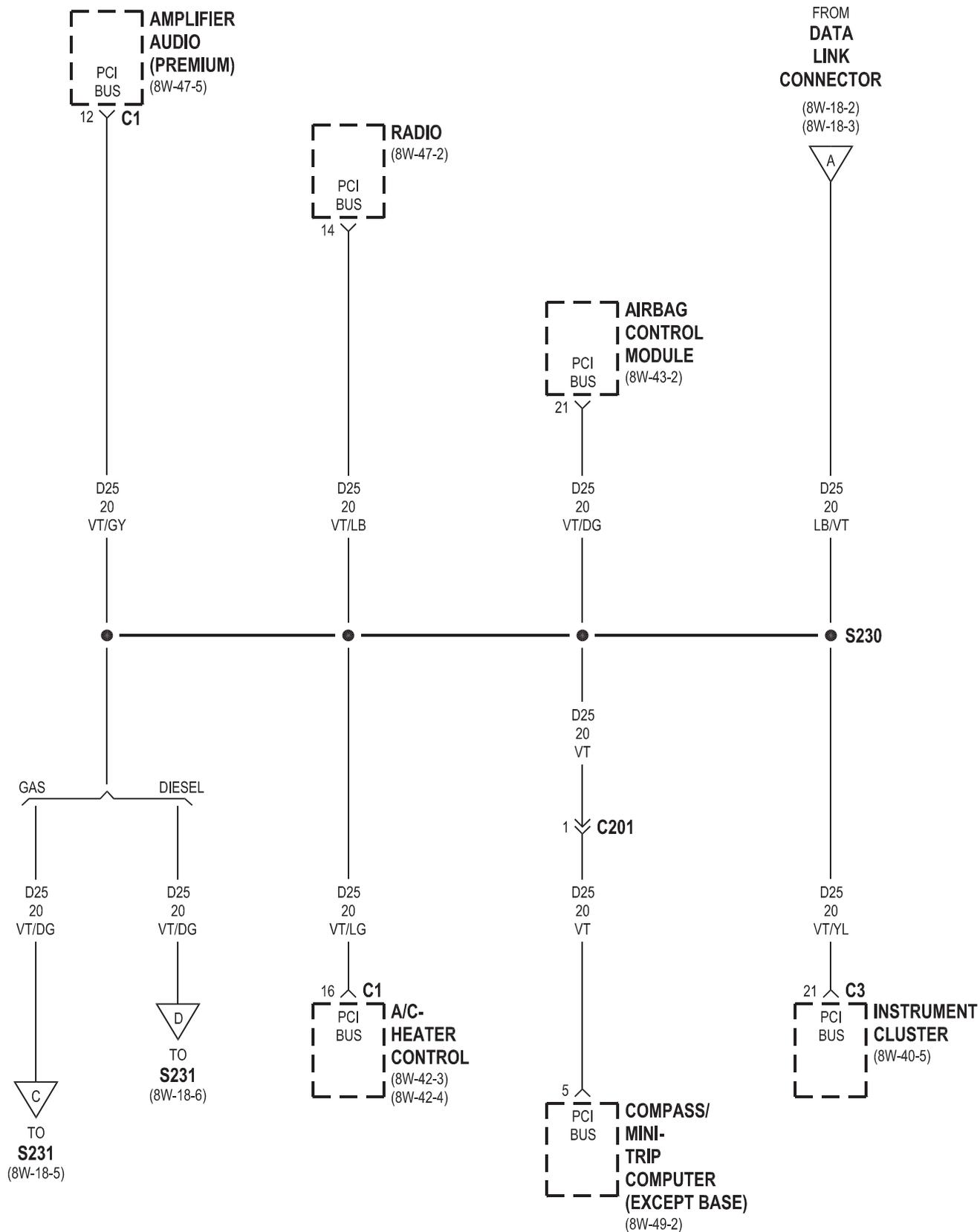
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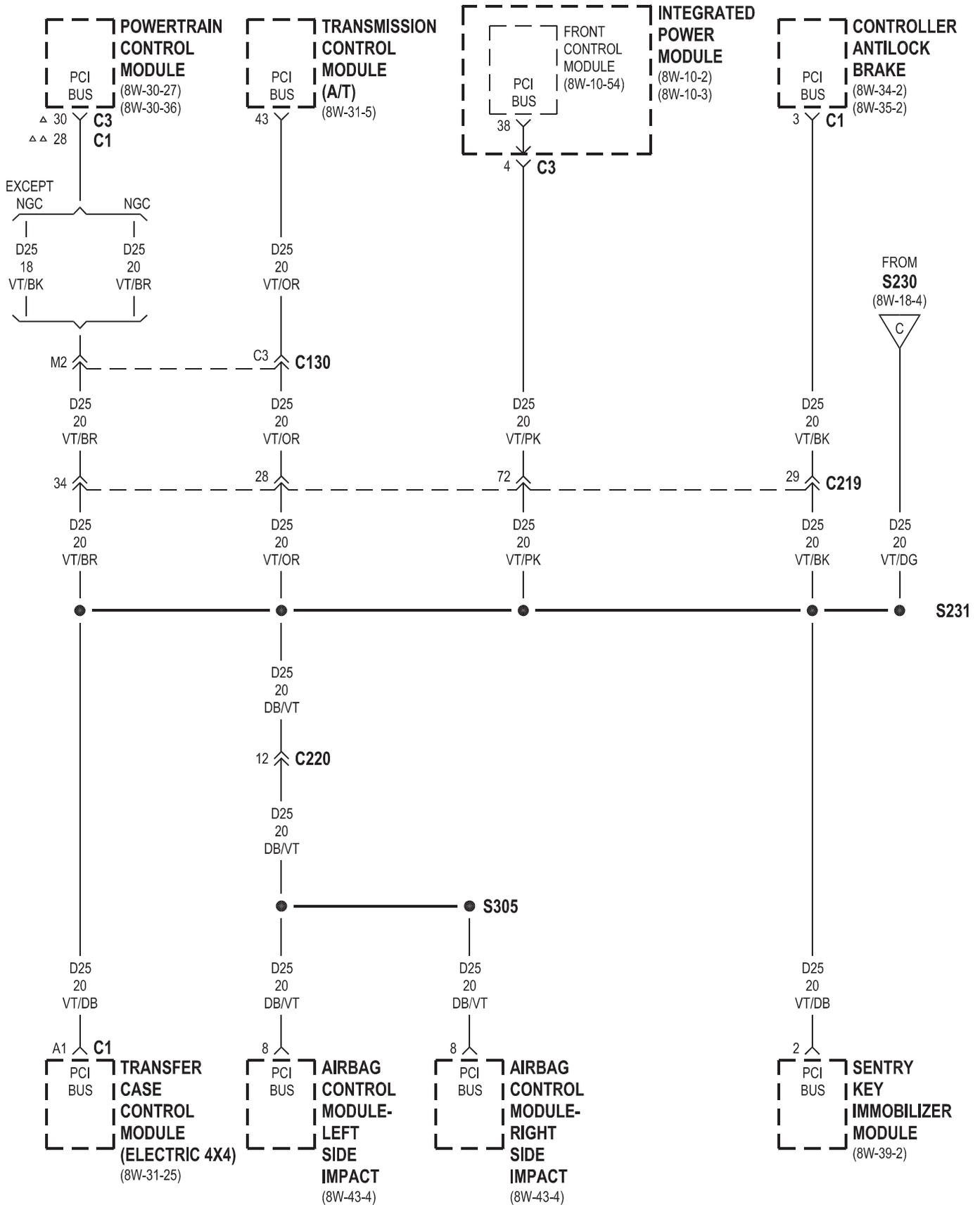


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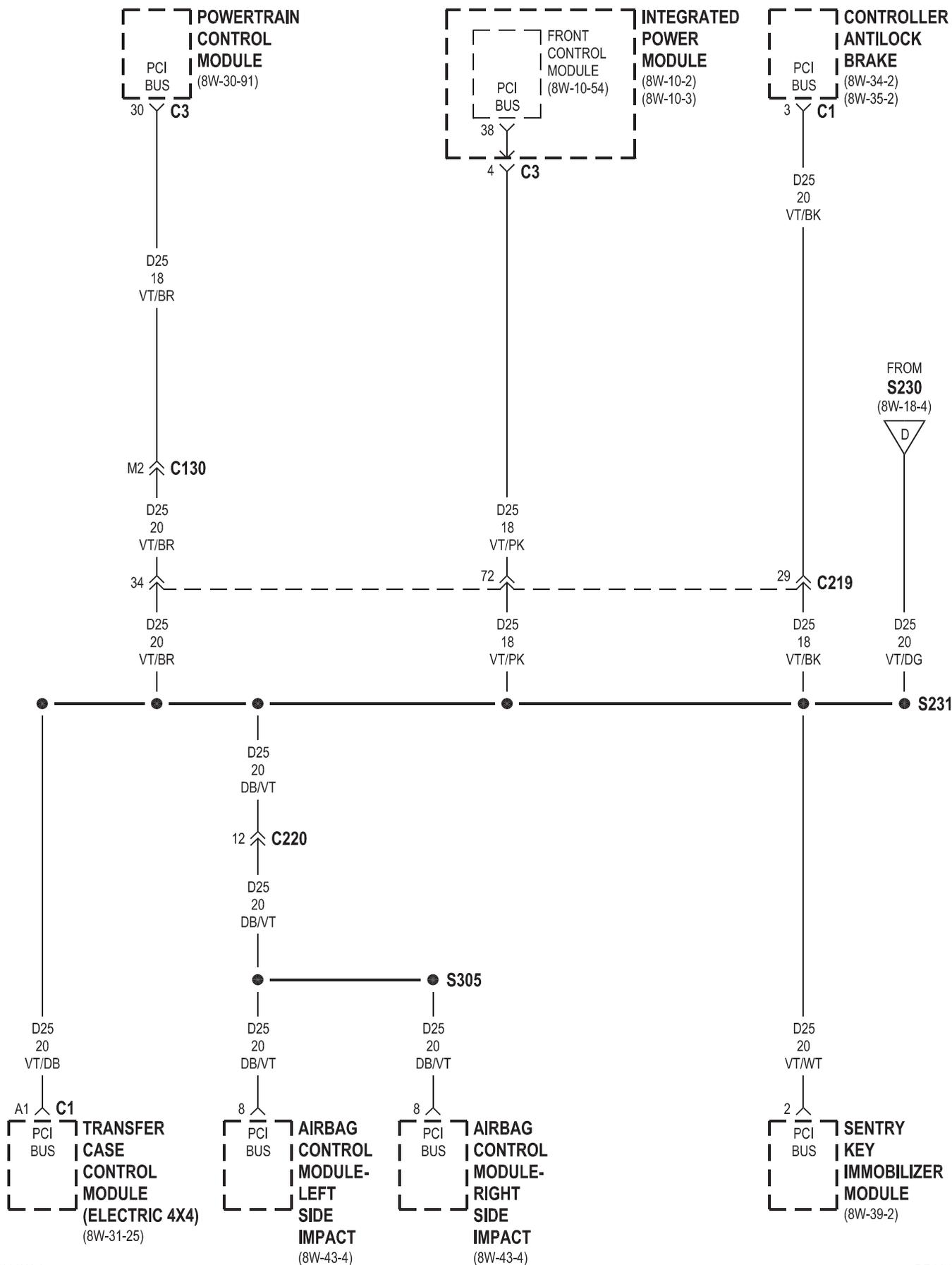


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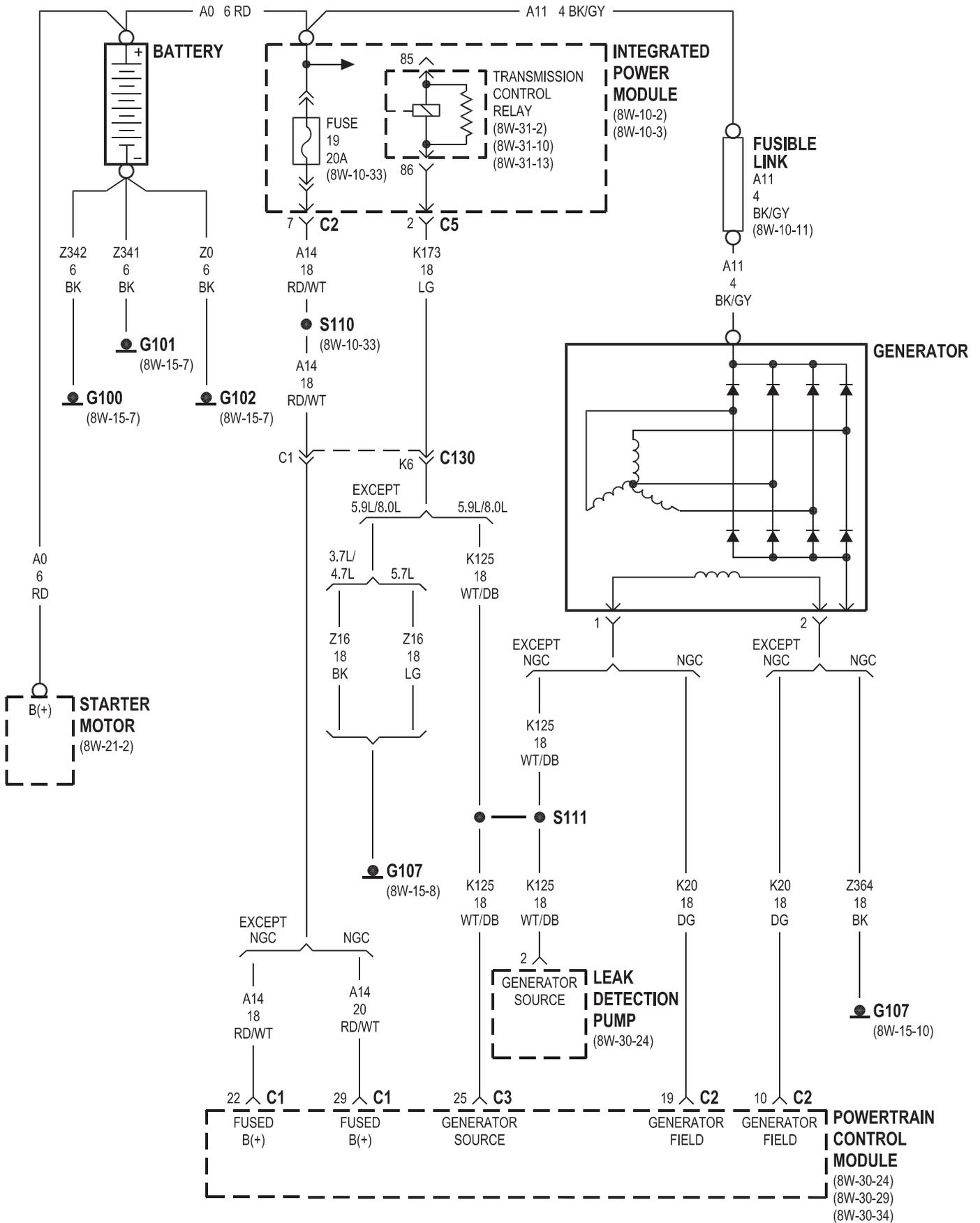


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## 8W-20 CHARGING SYSTEM

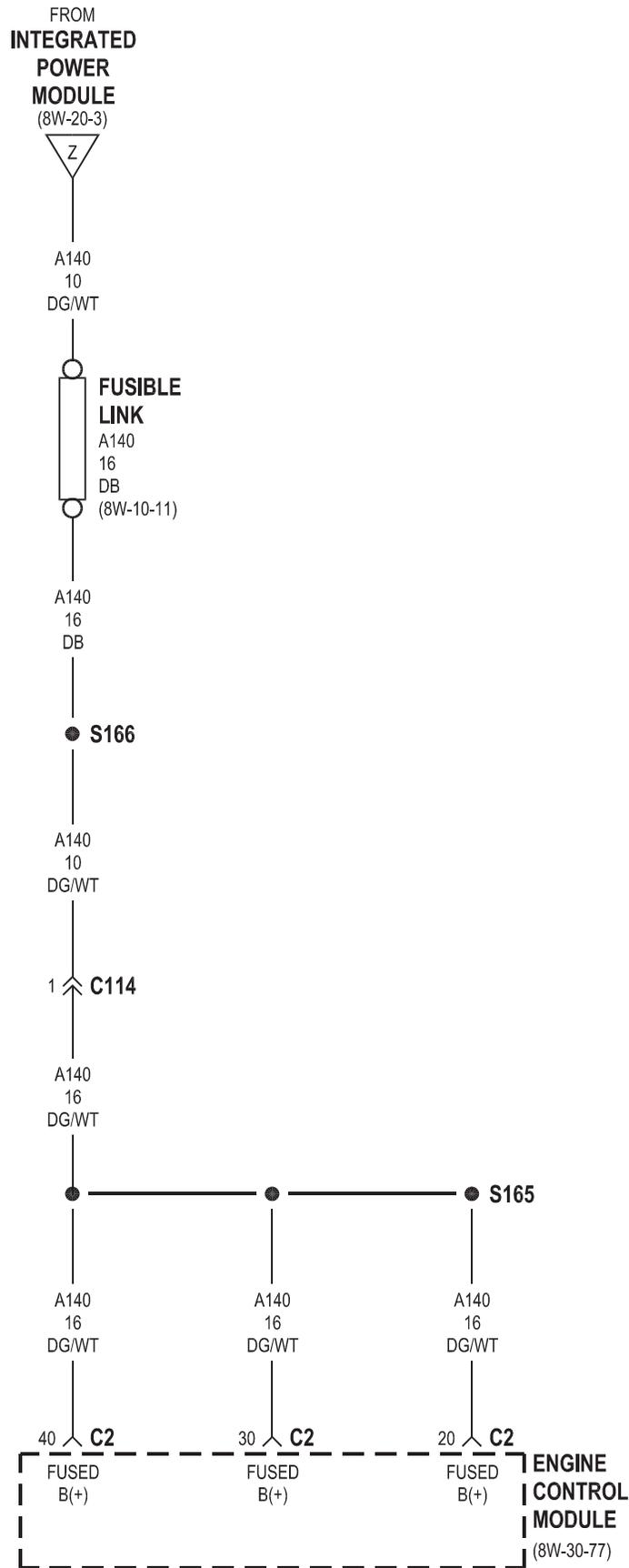
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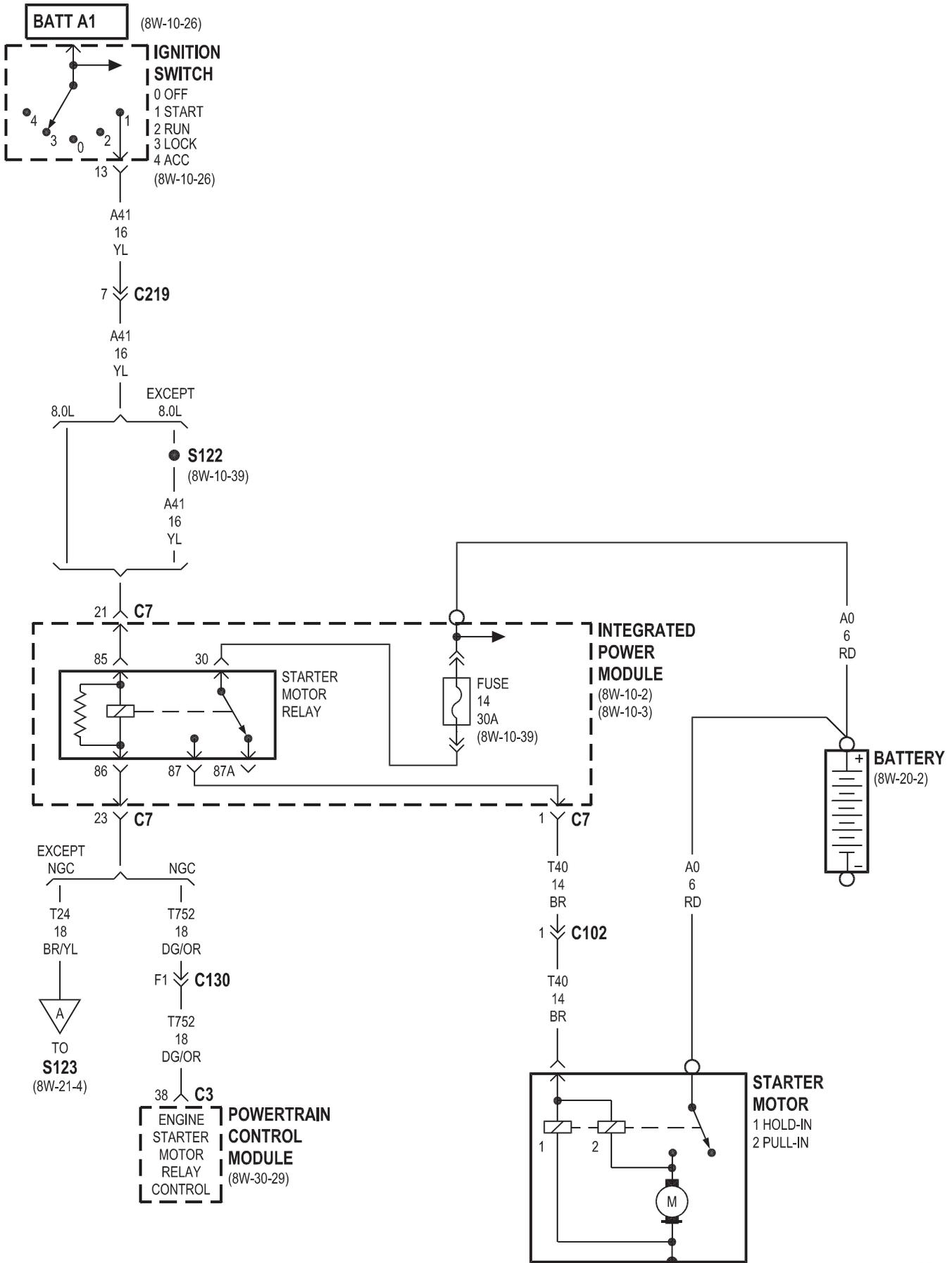




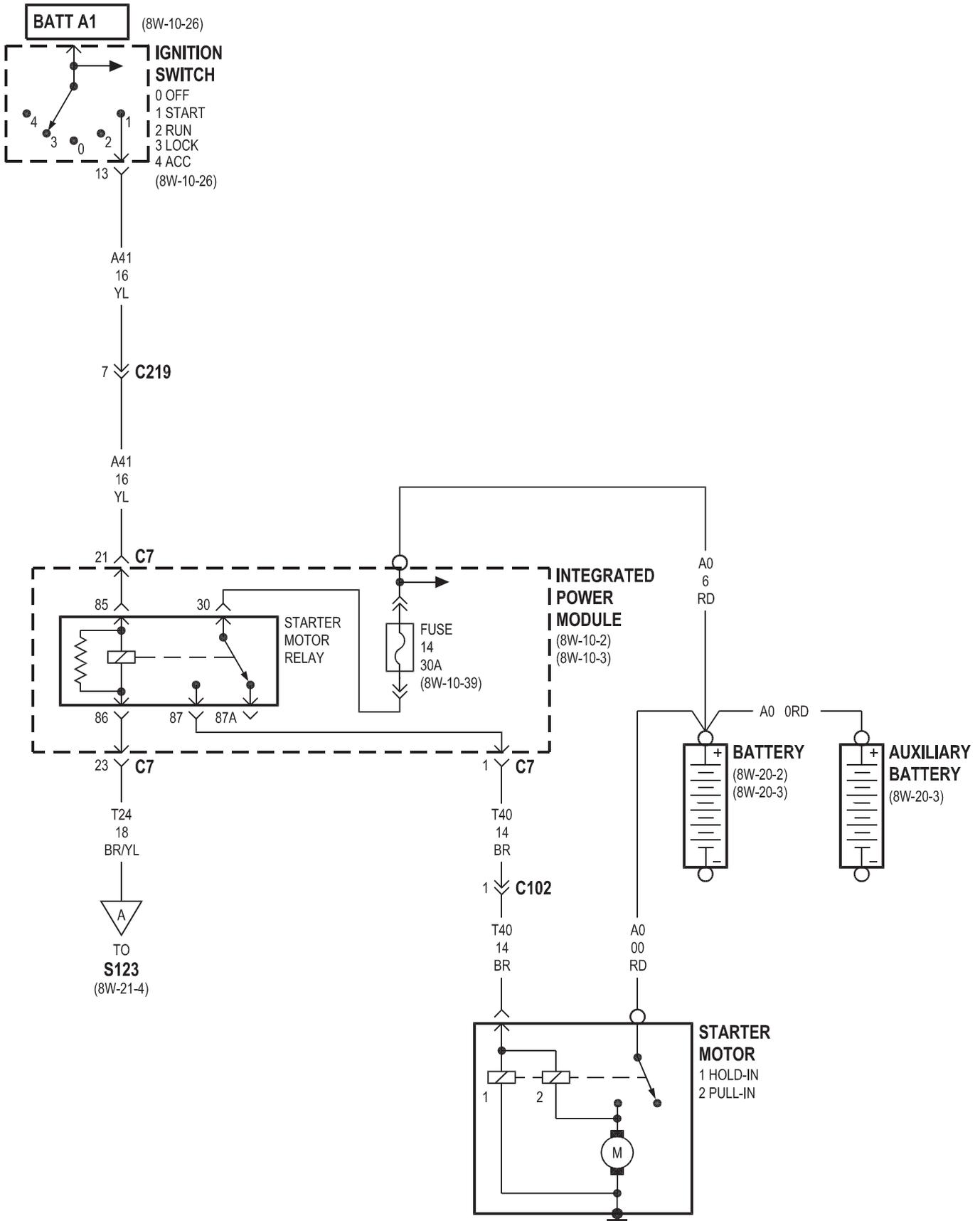
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## 8W-21 STARTING SYSTEM

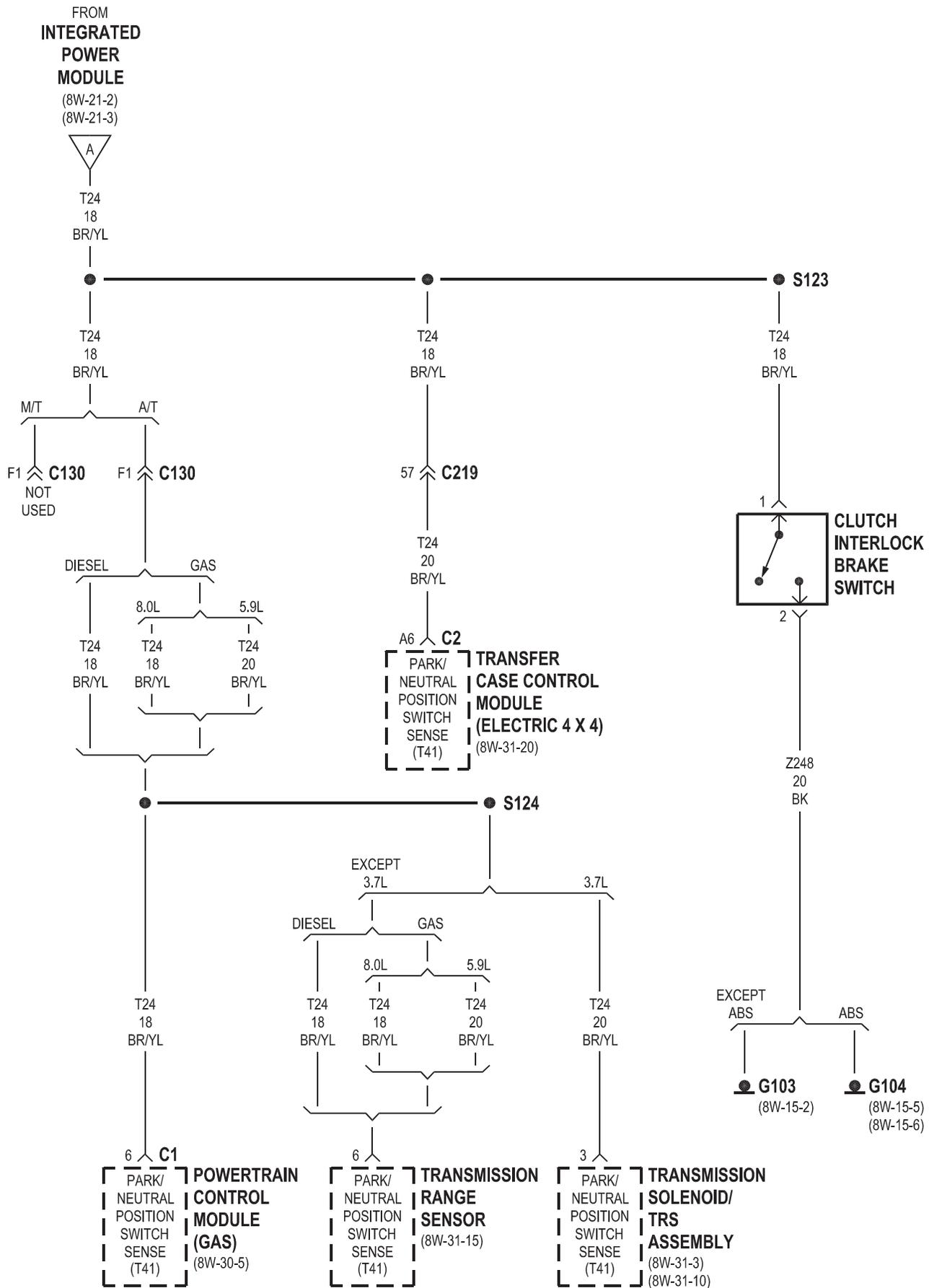
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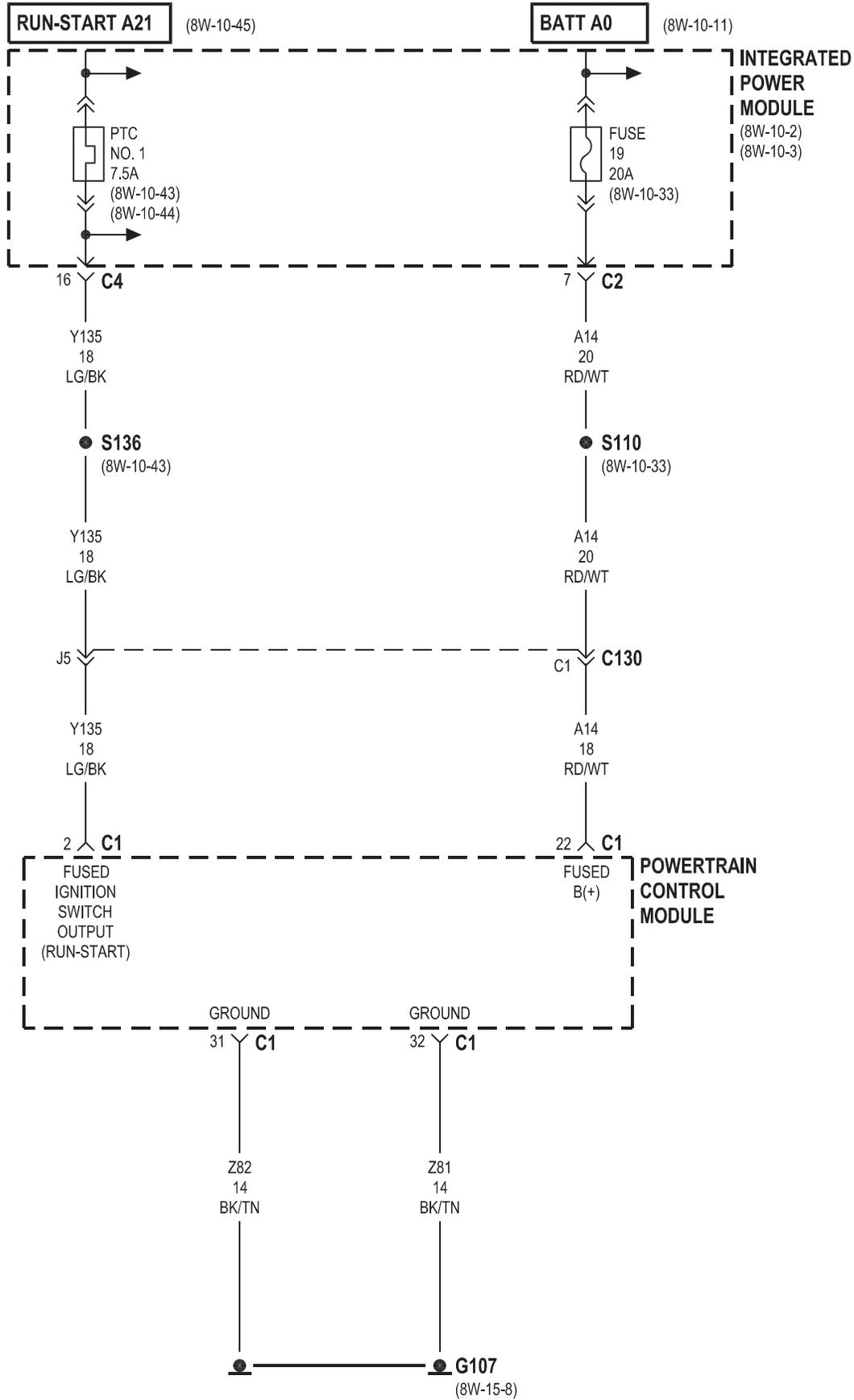
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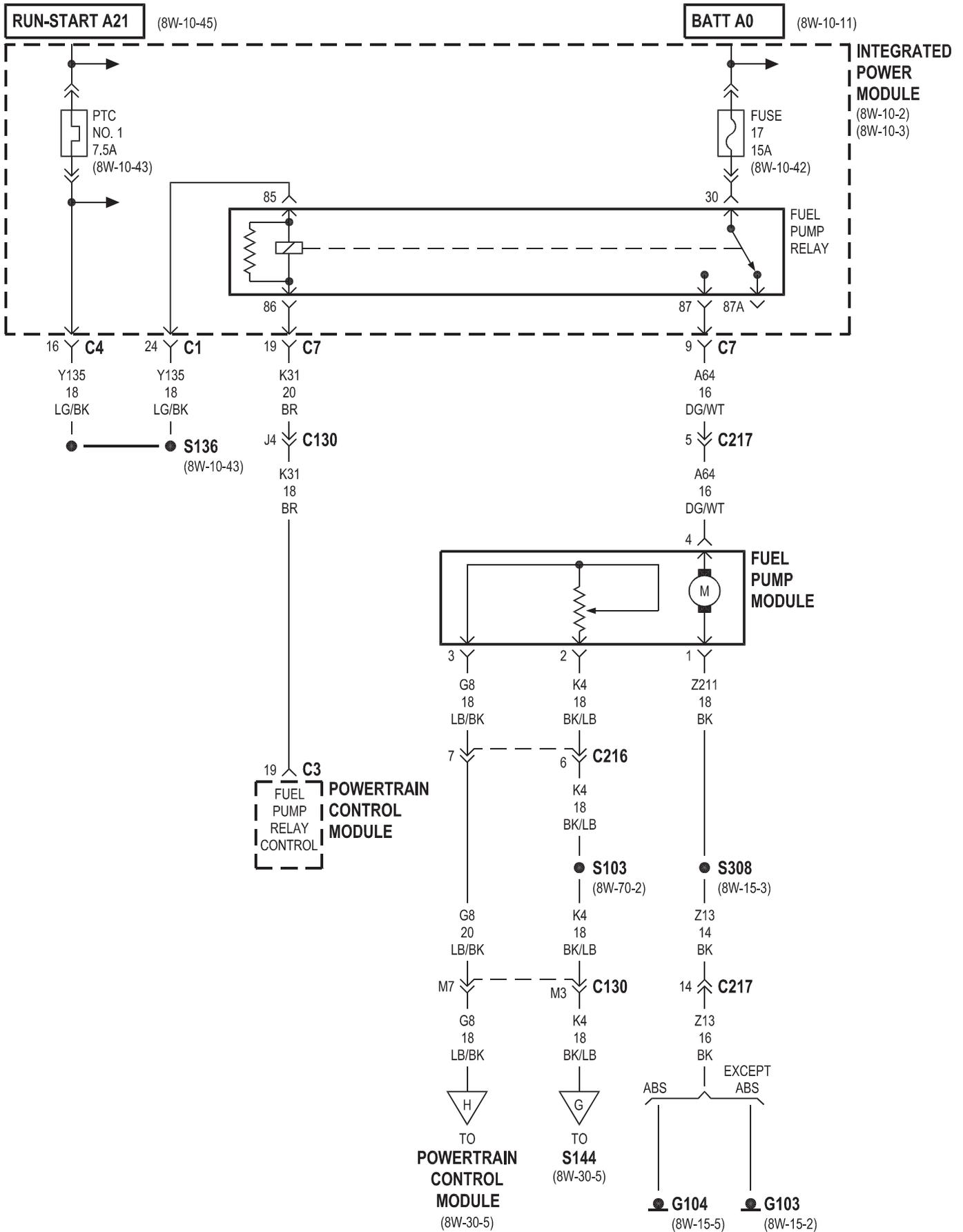
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## 8W-30 FUEL/IGNITION SYSTEM

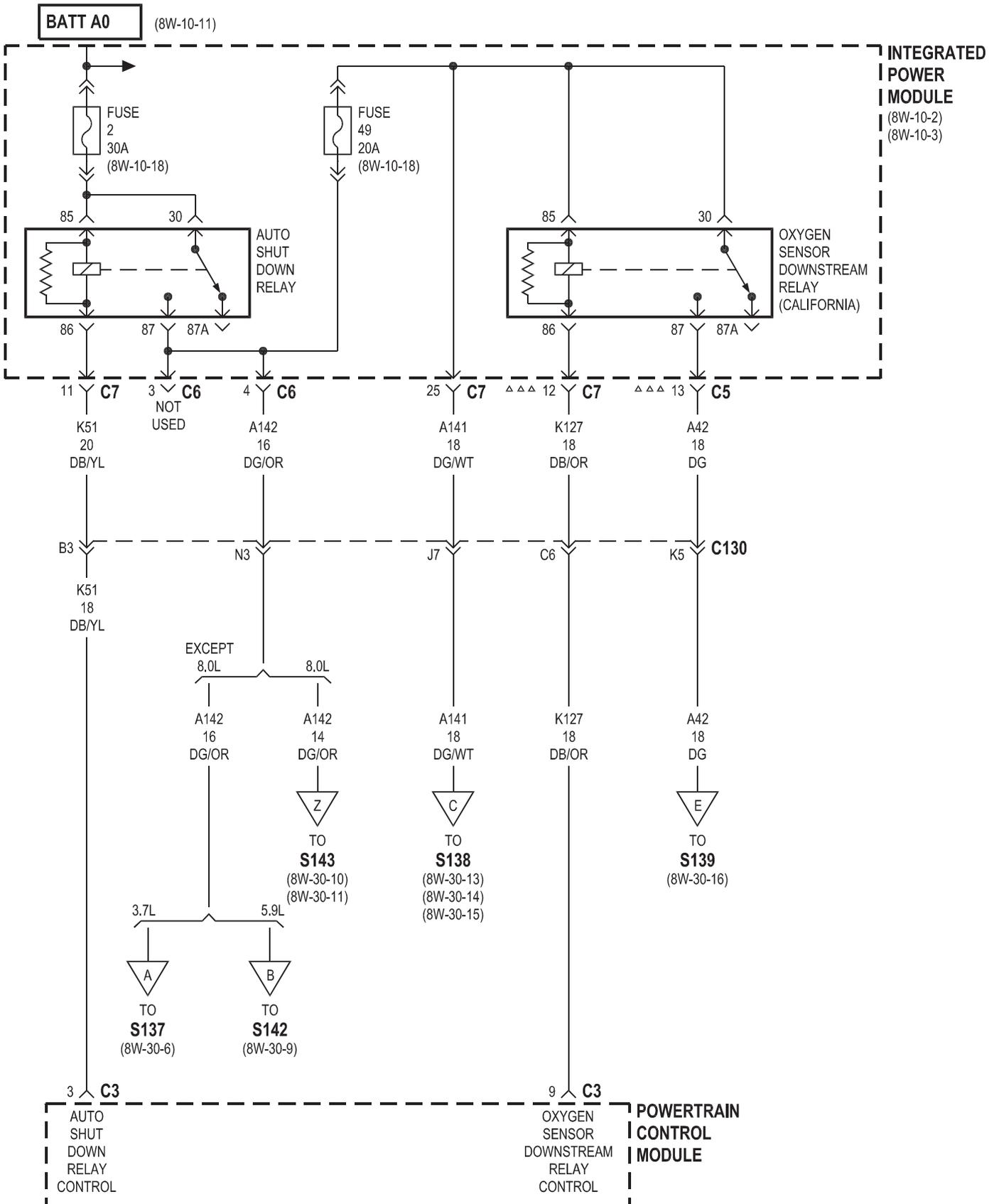
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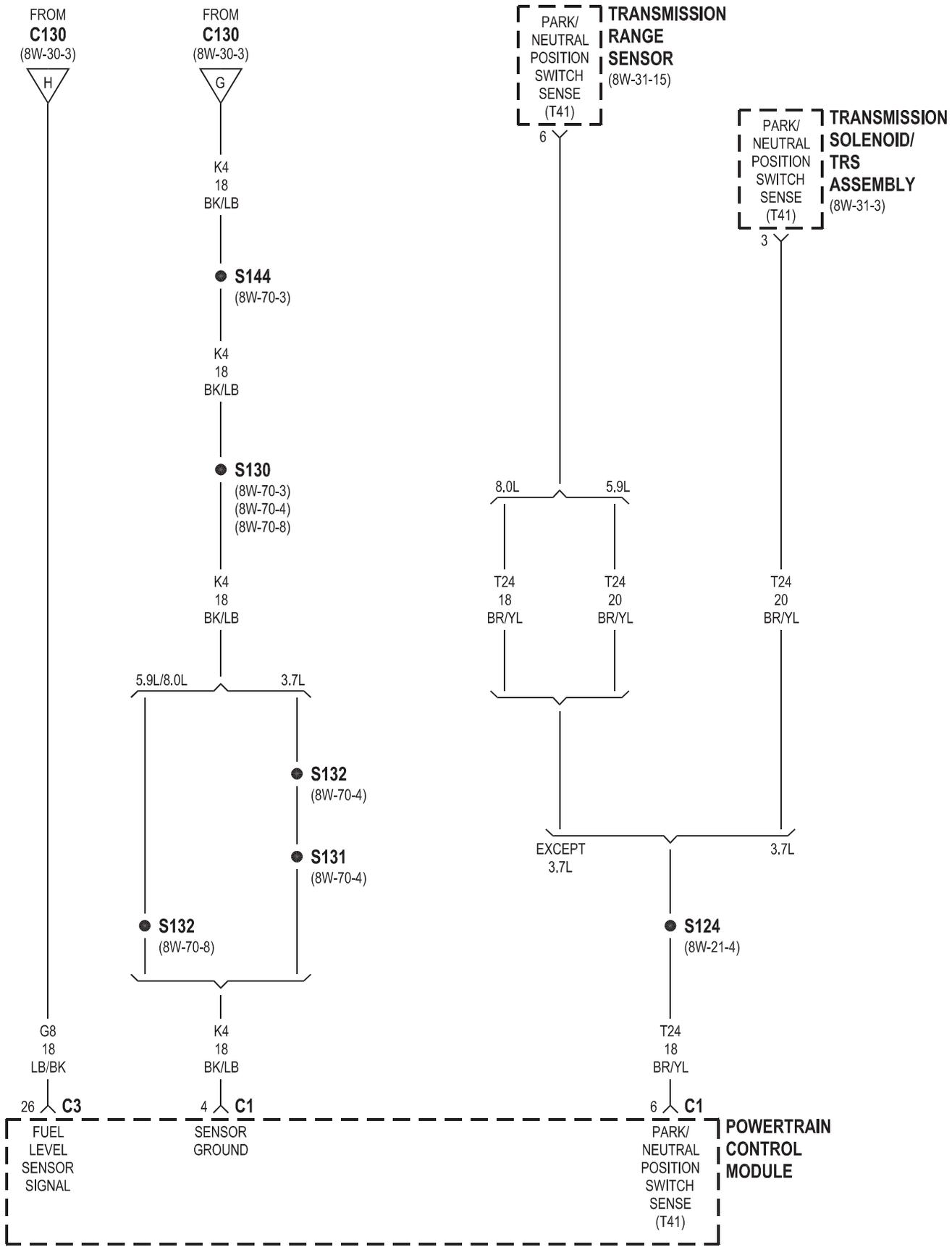
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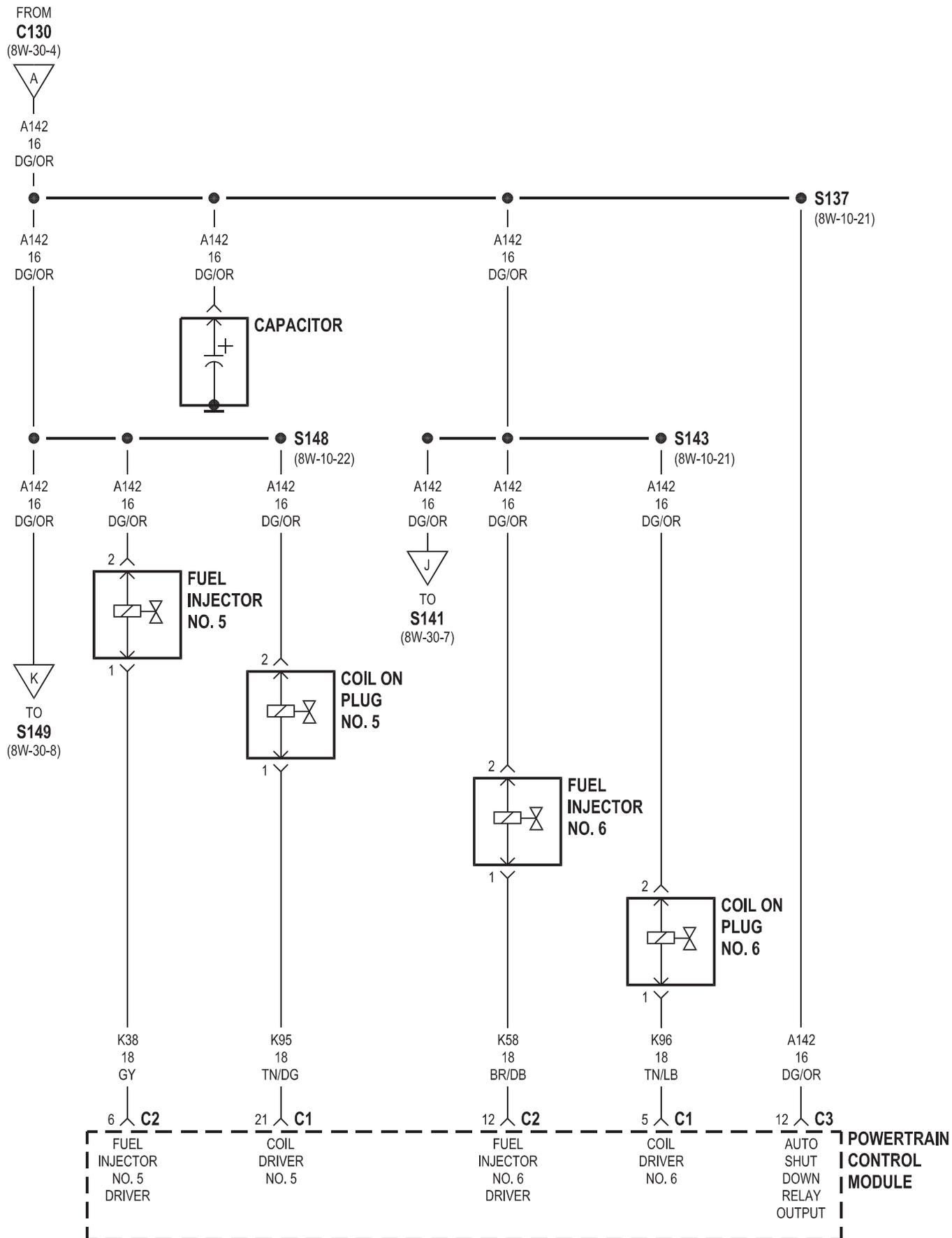
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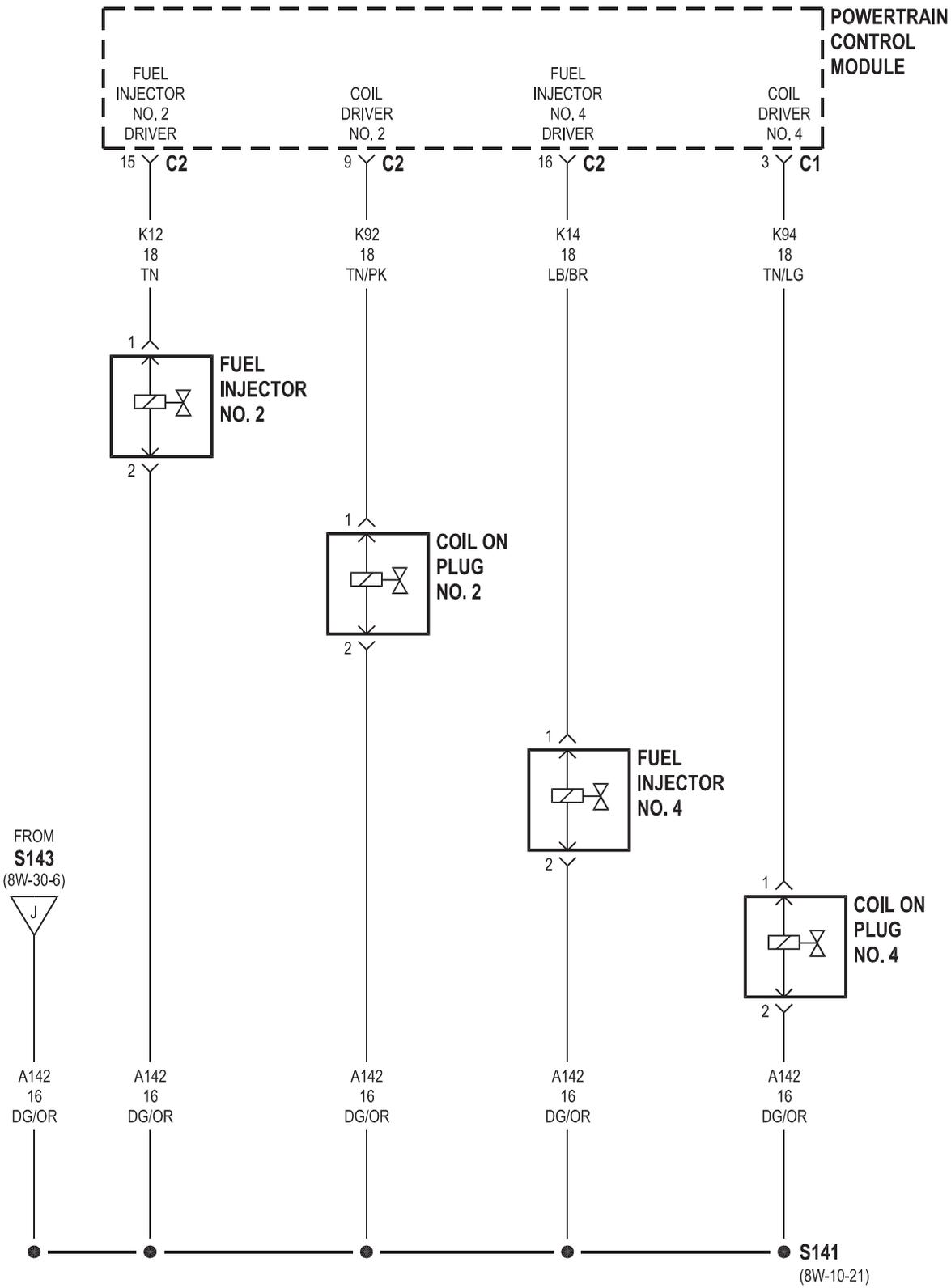
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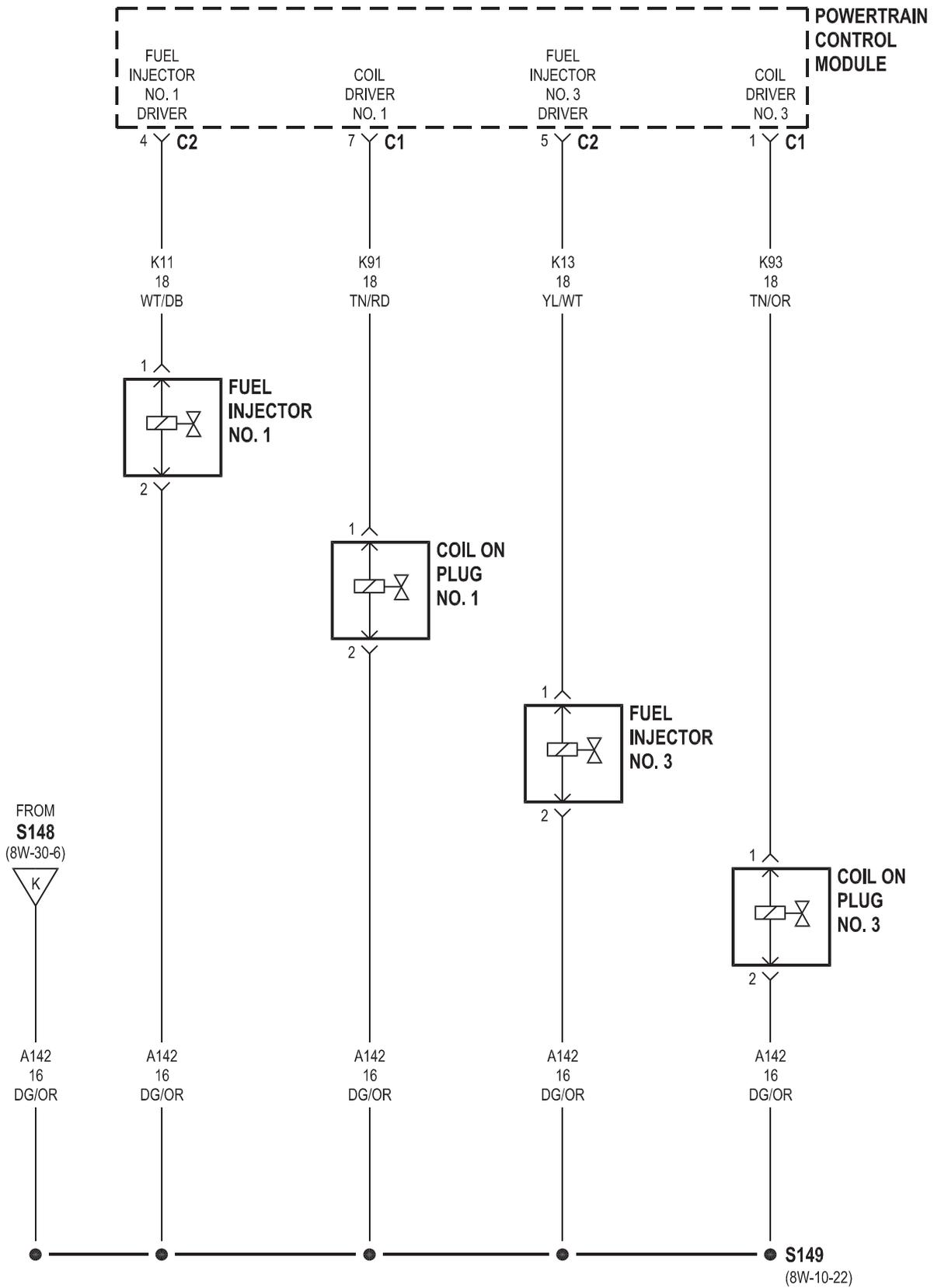
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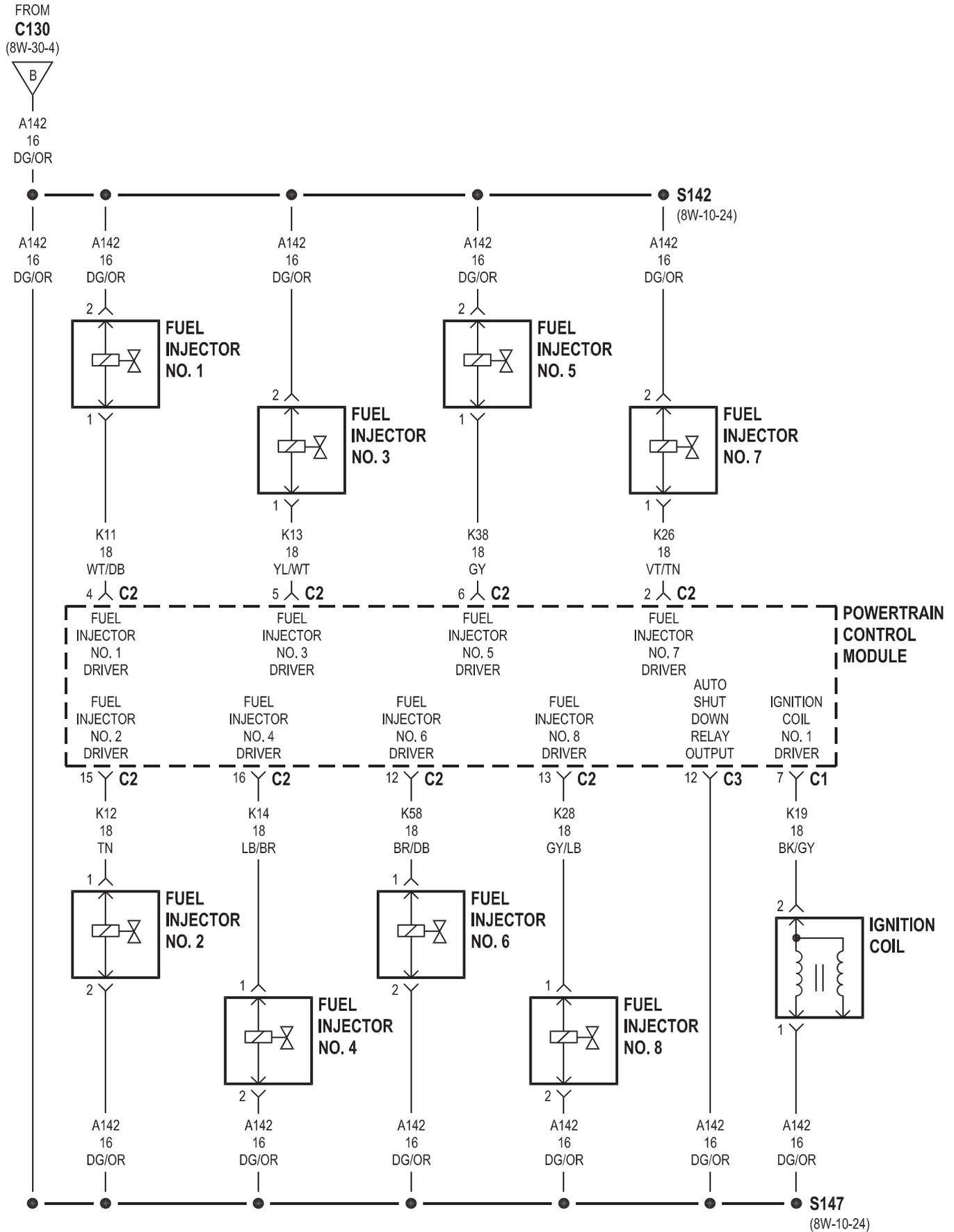
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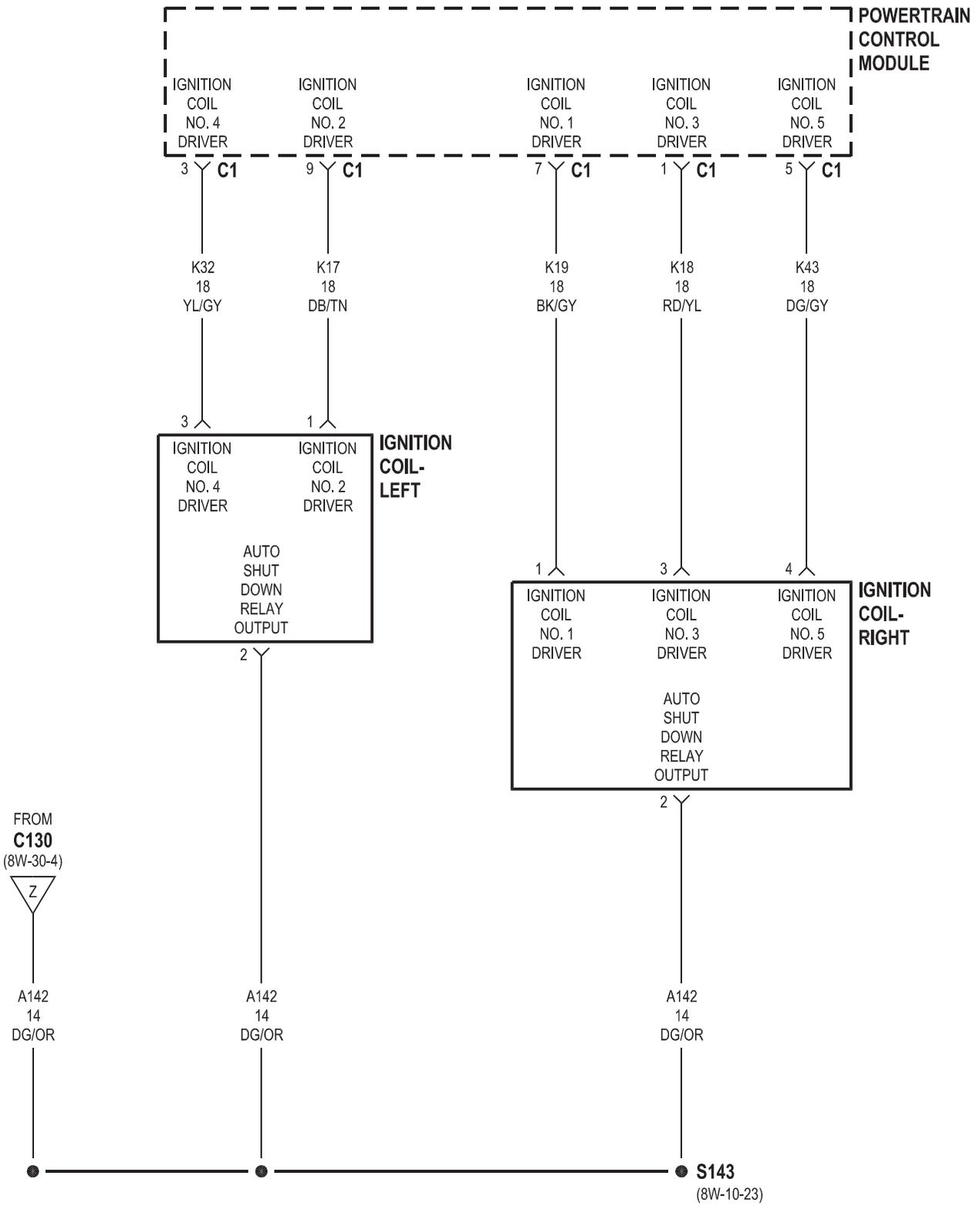
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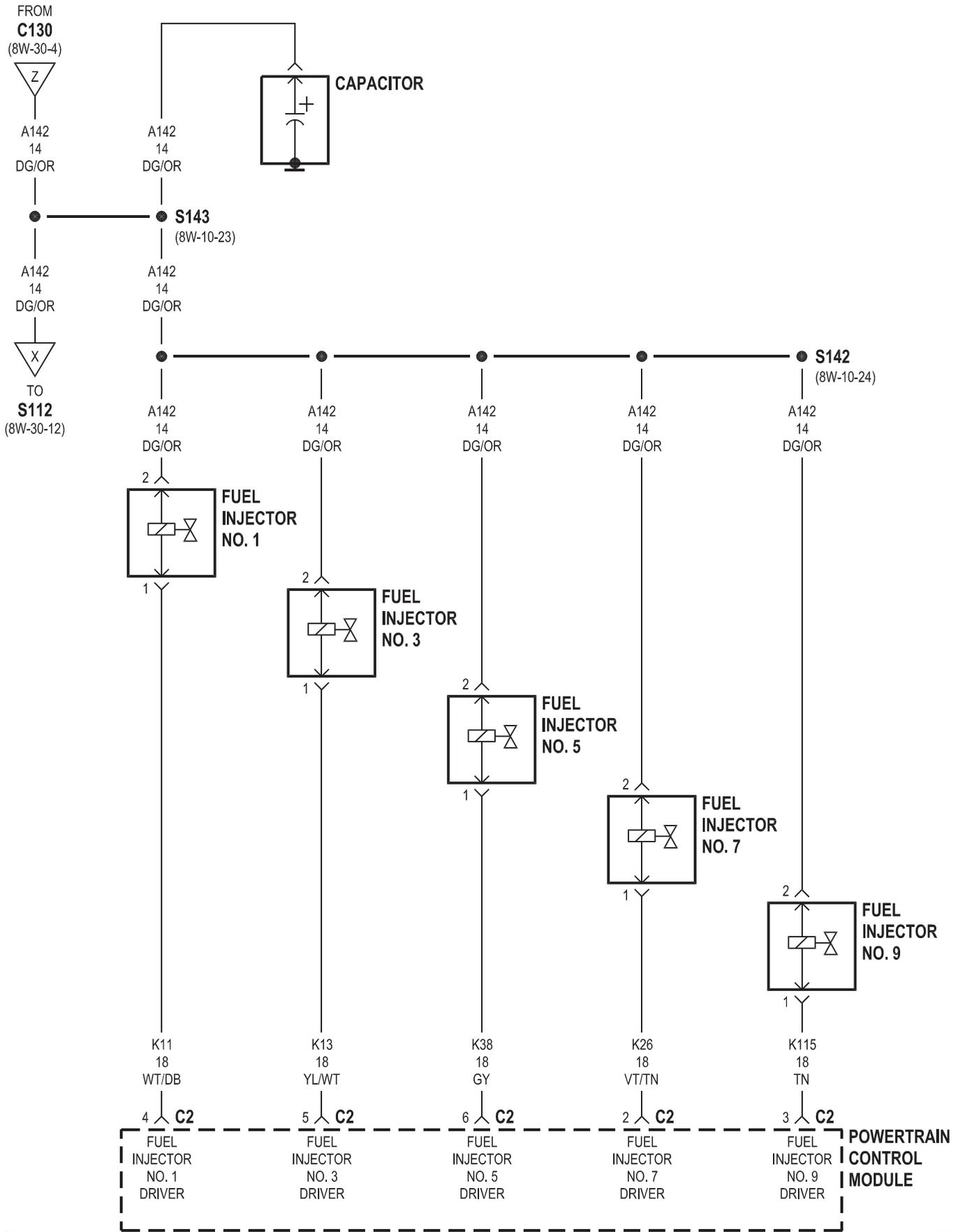
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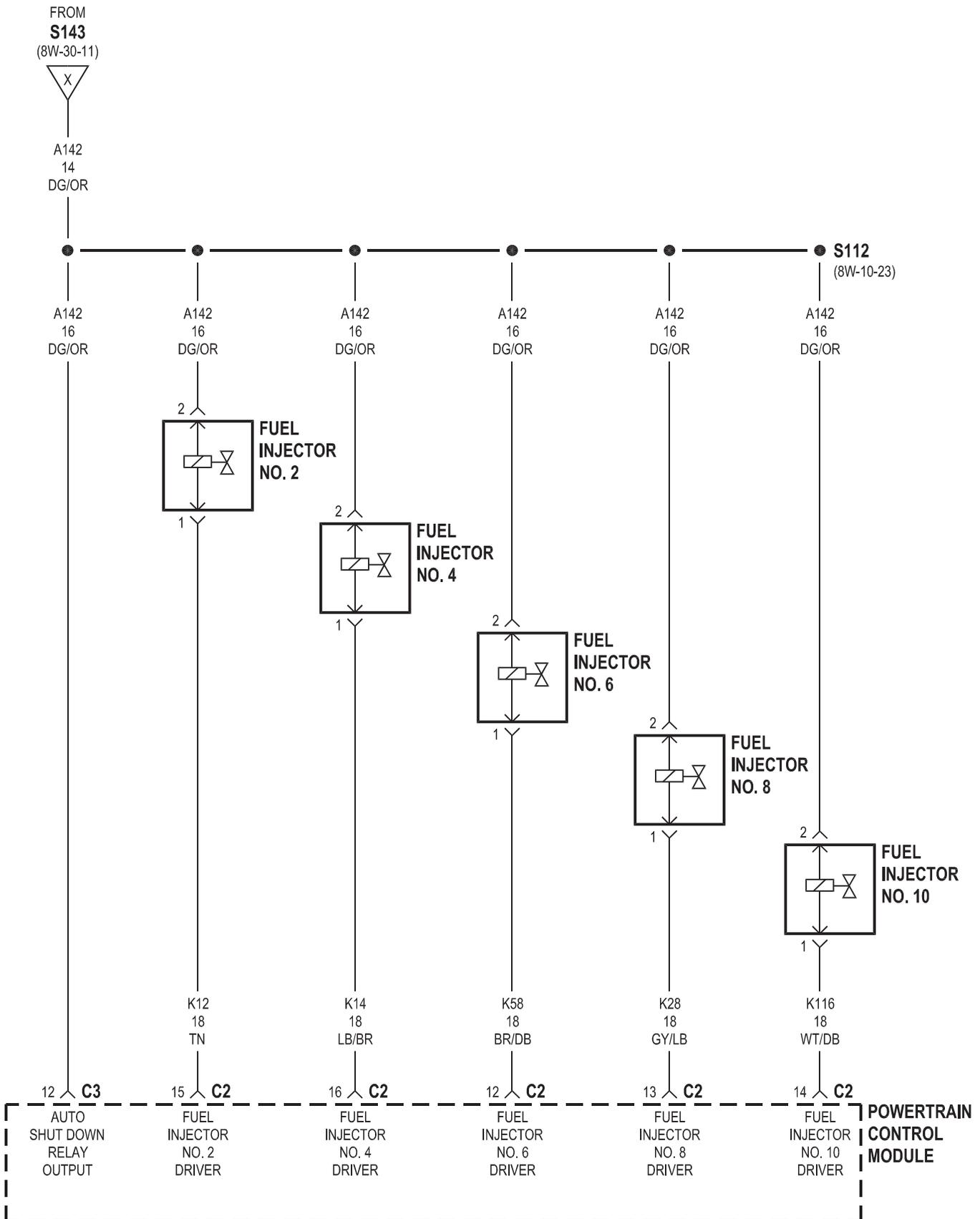
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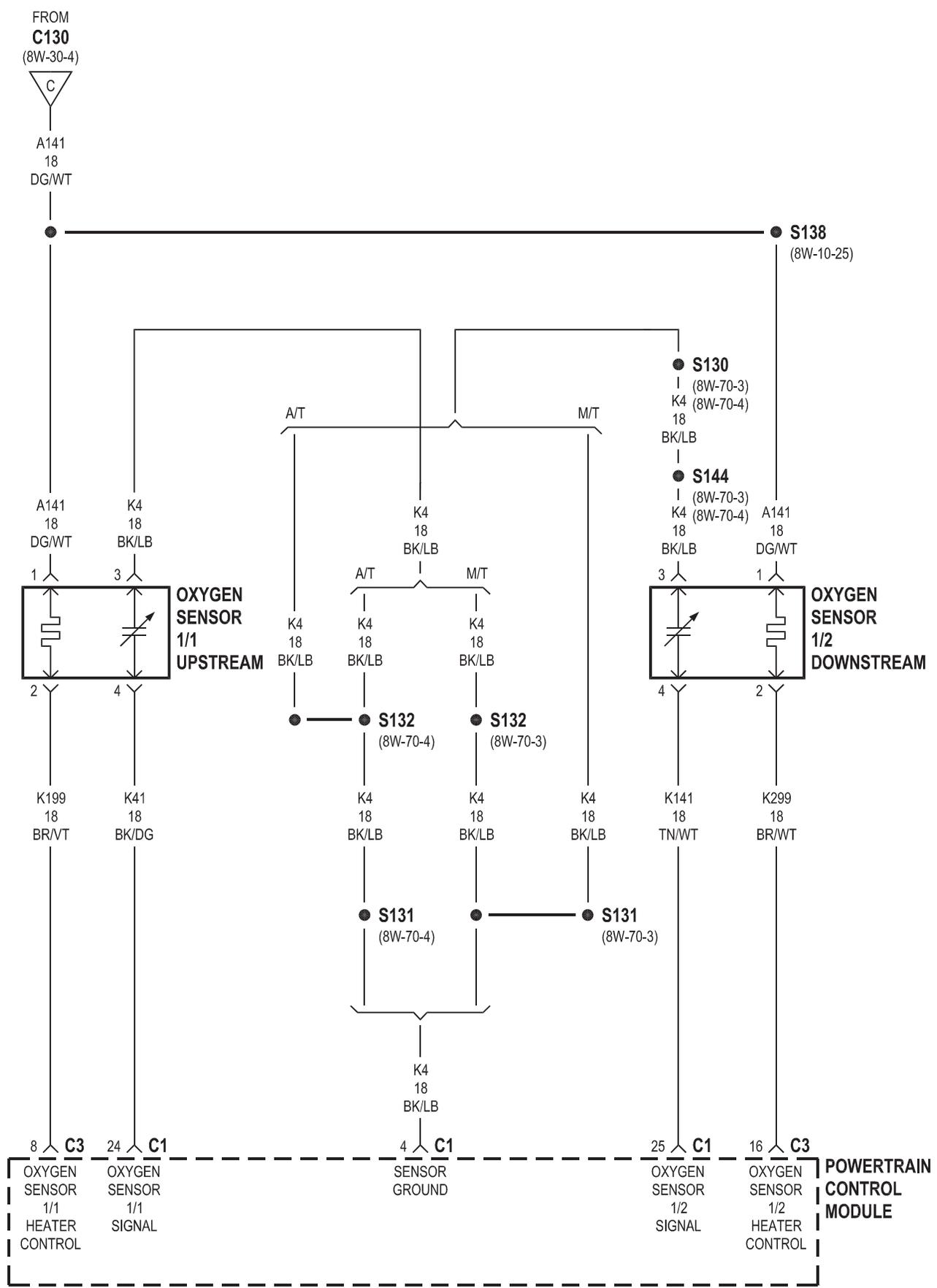
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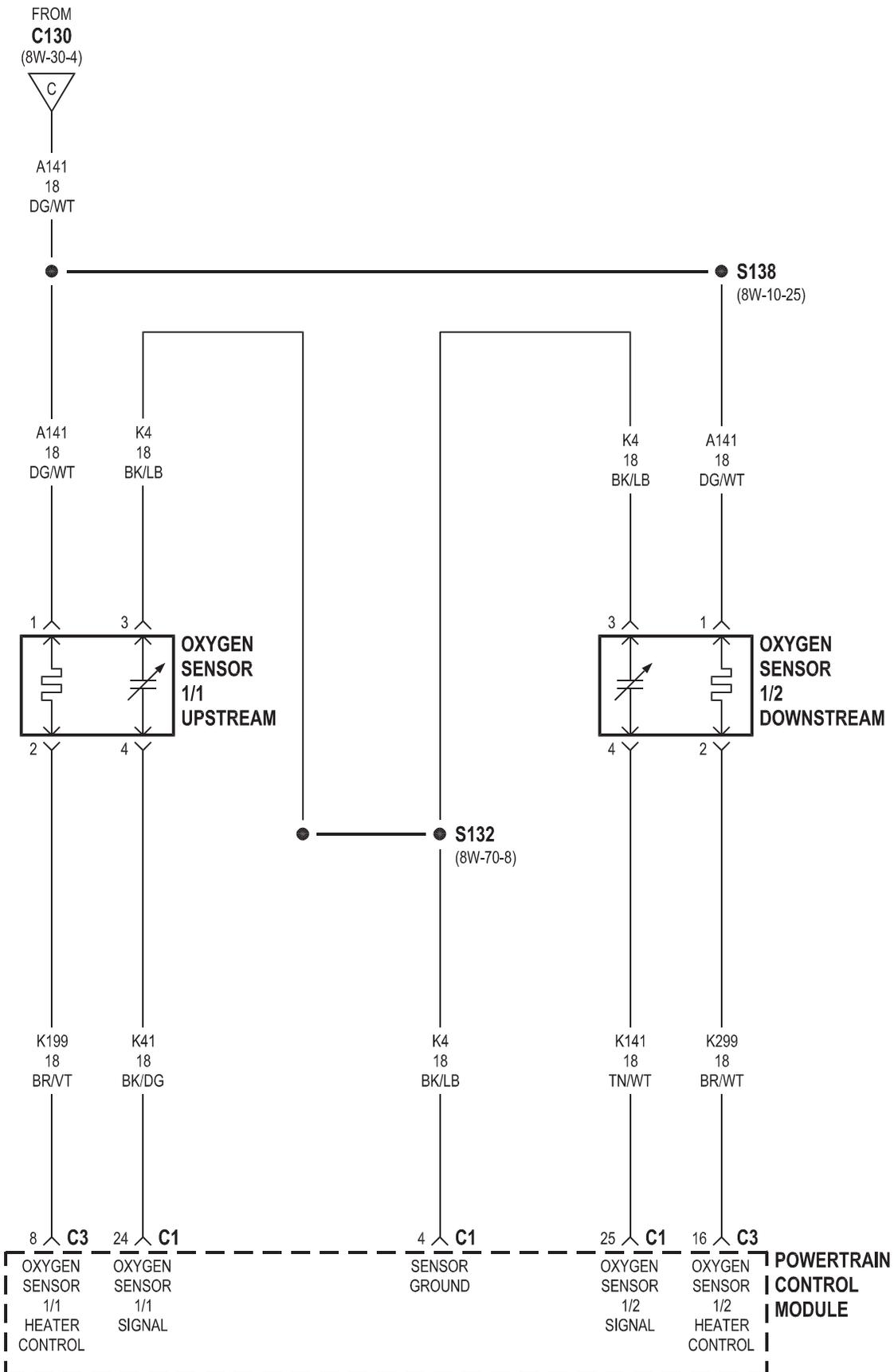
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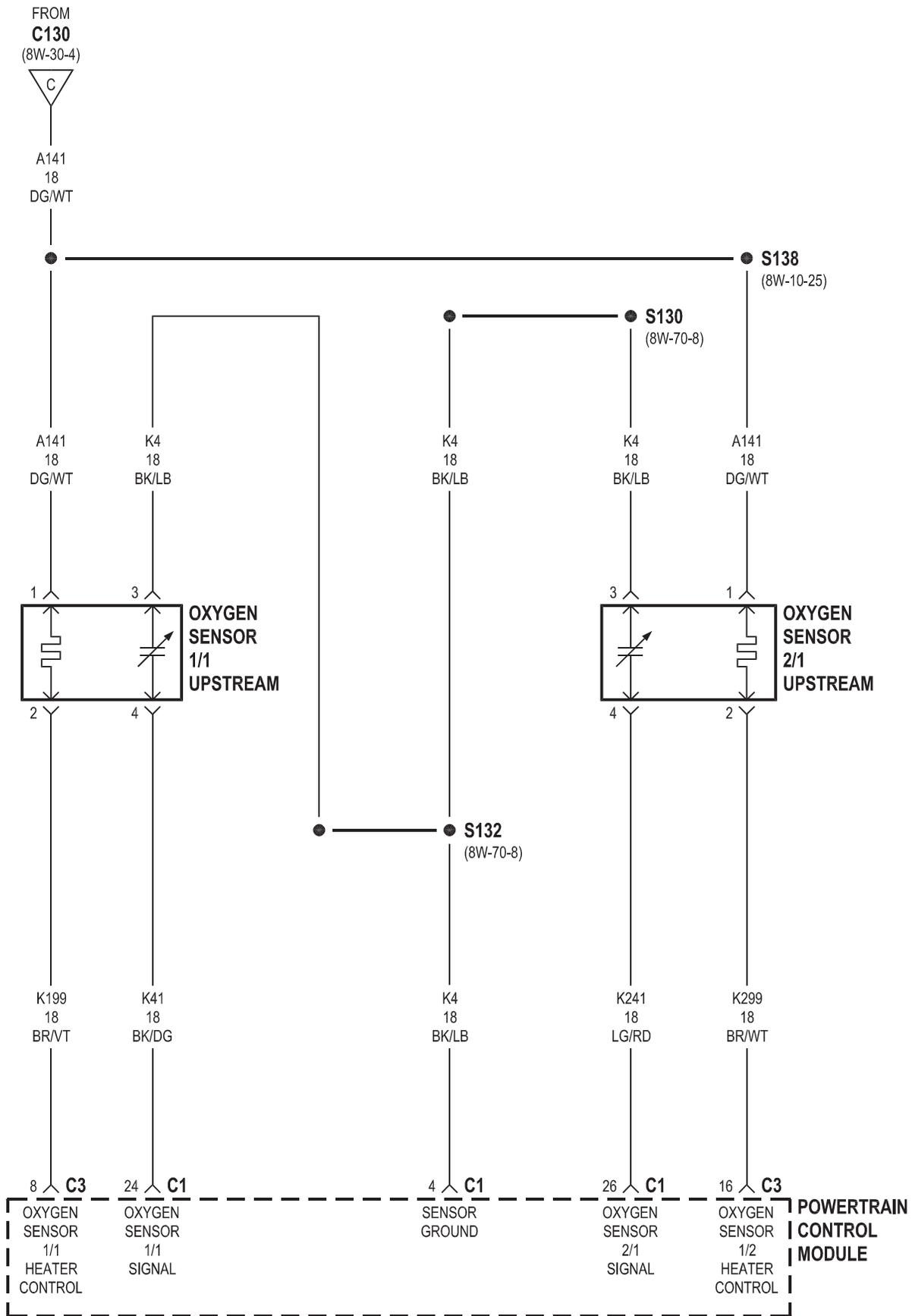
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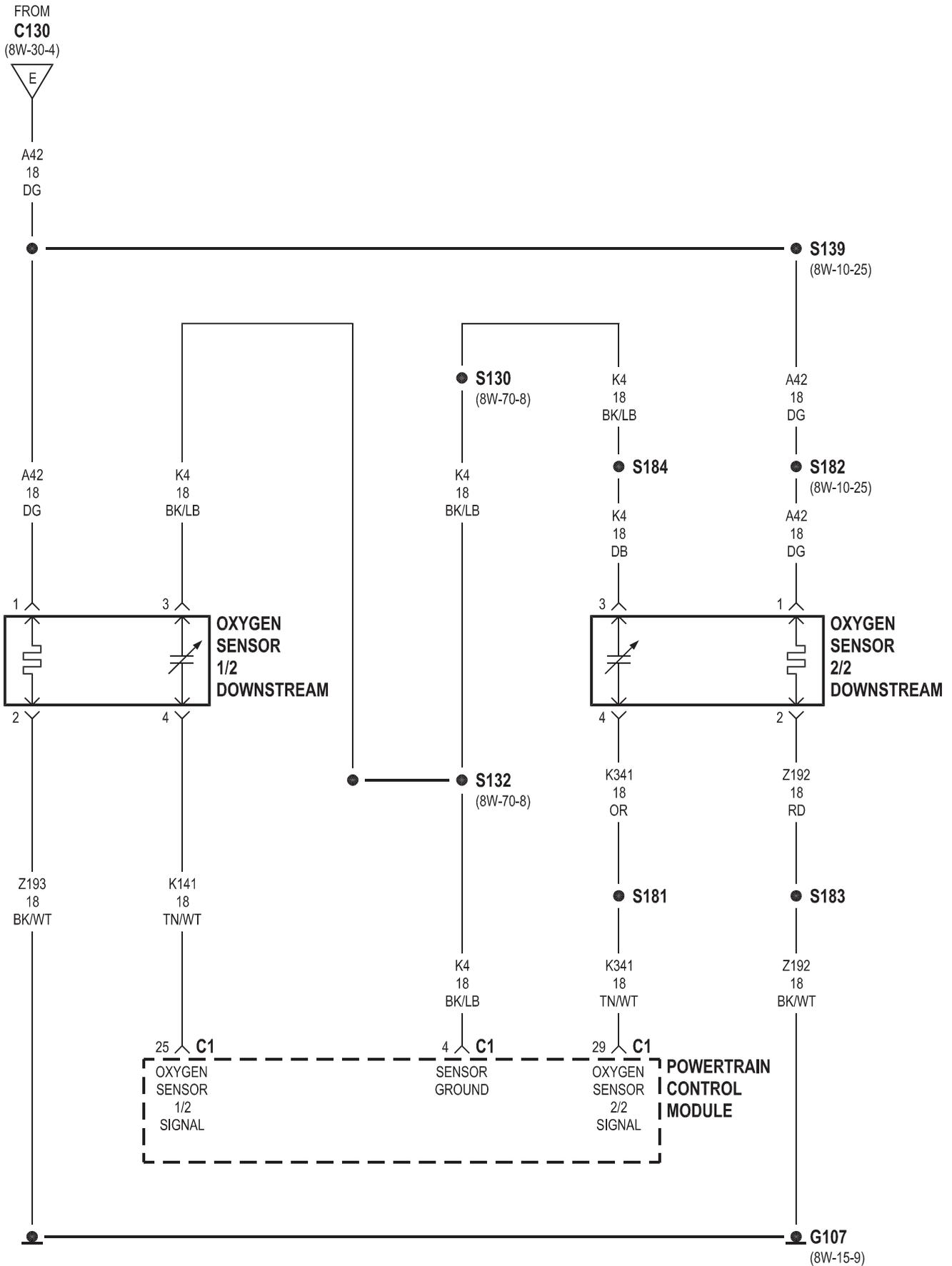
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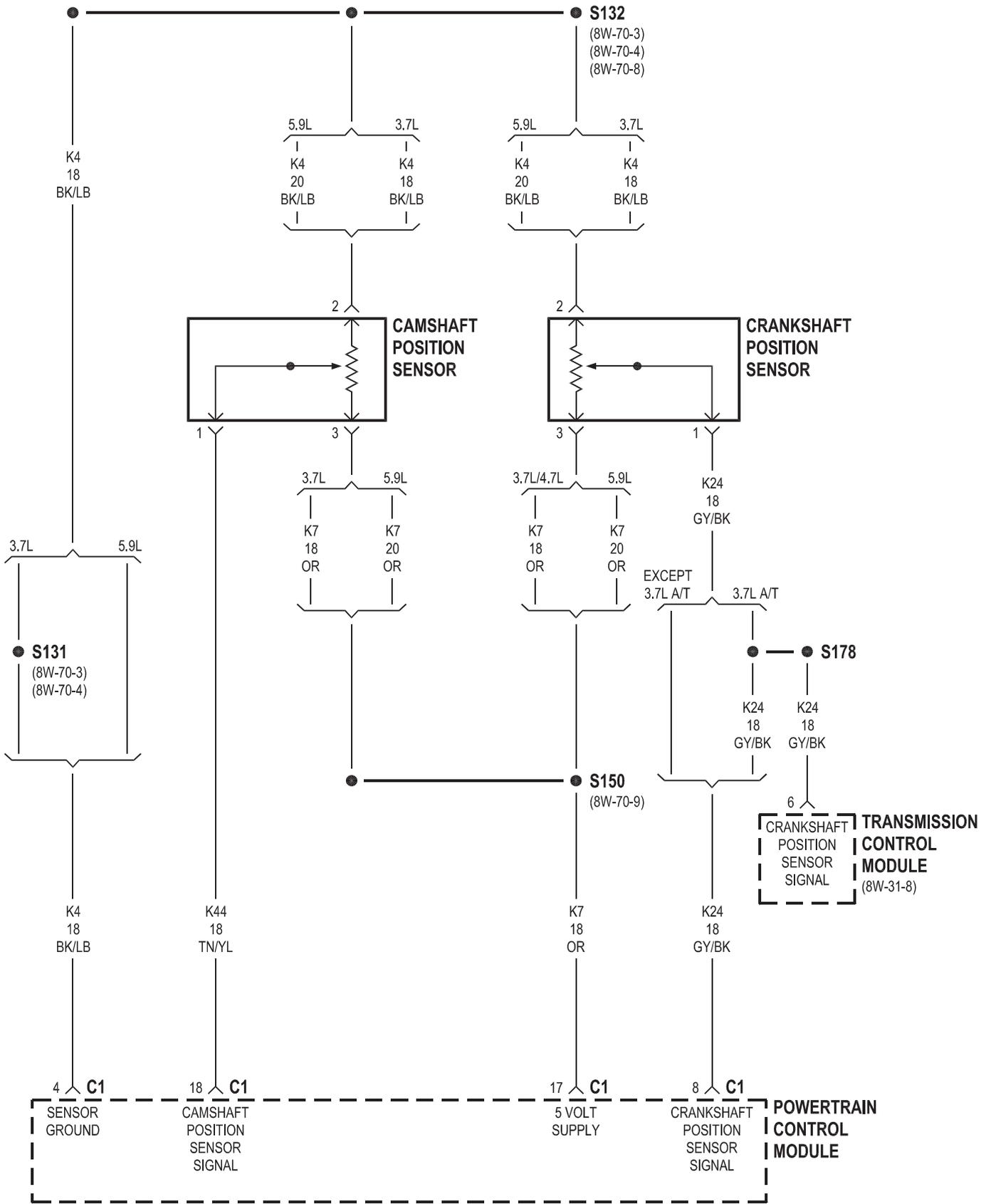
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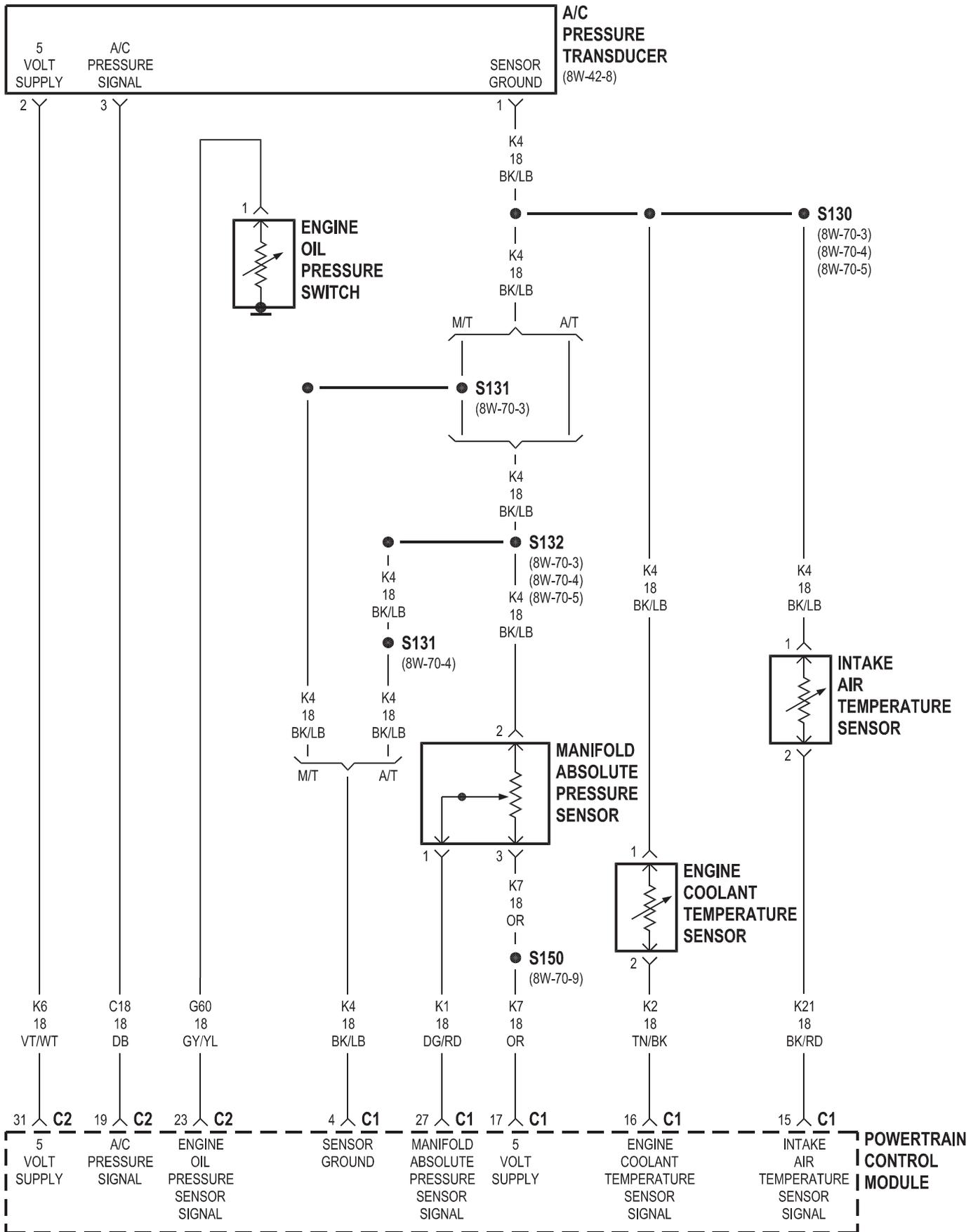


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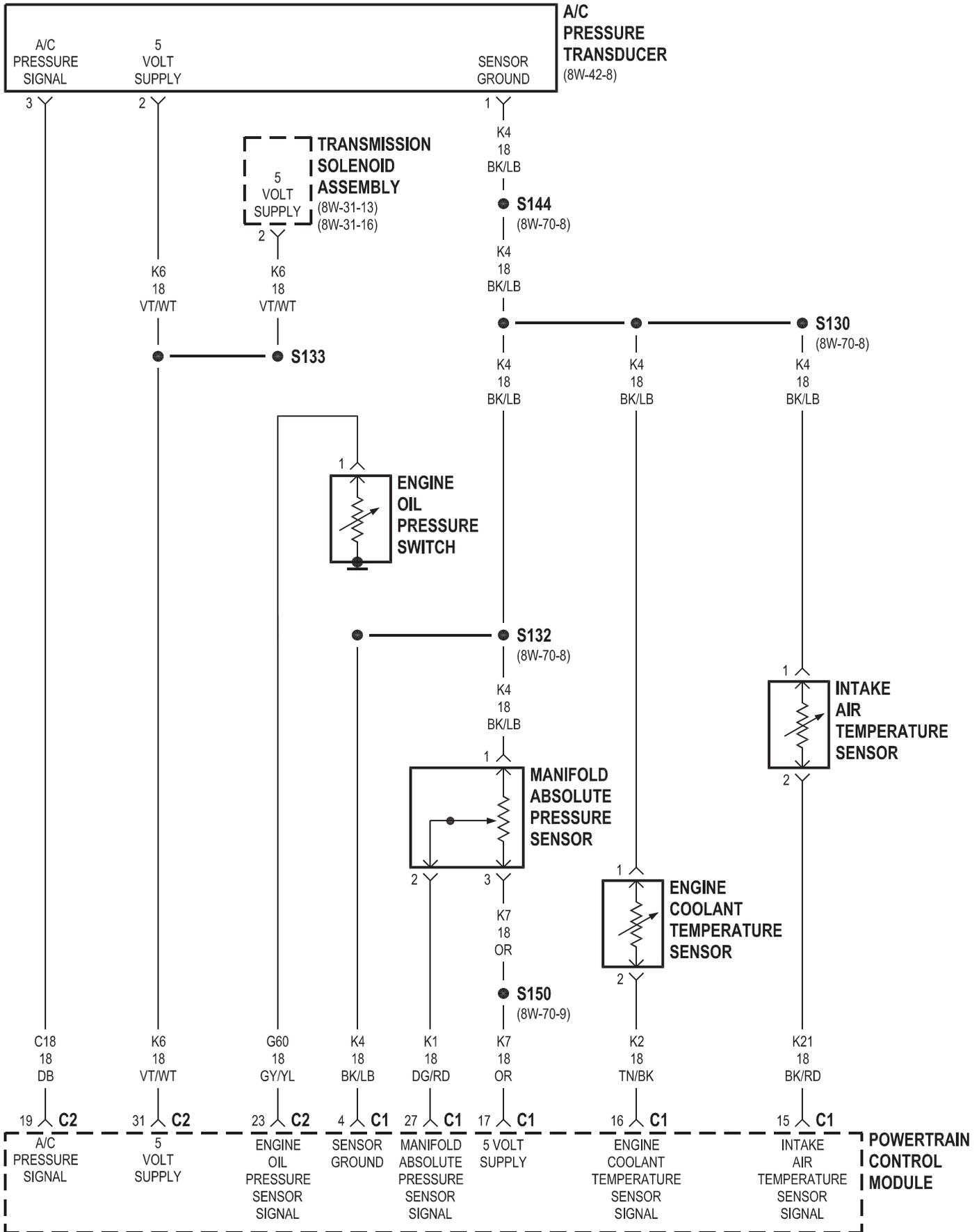
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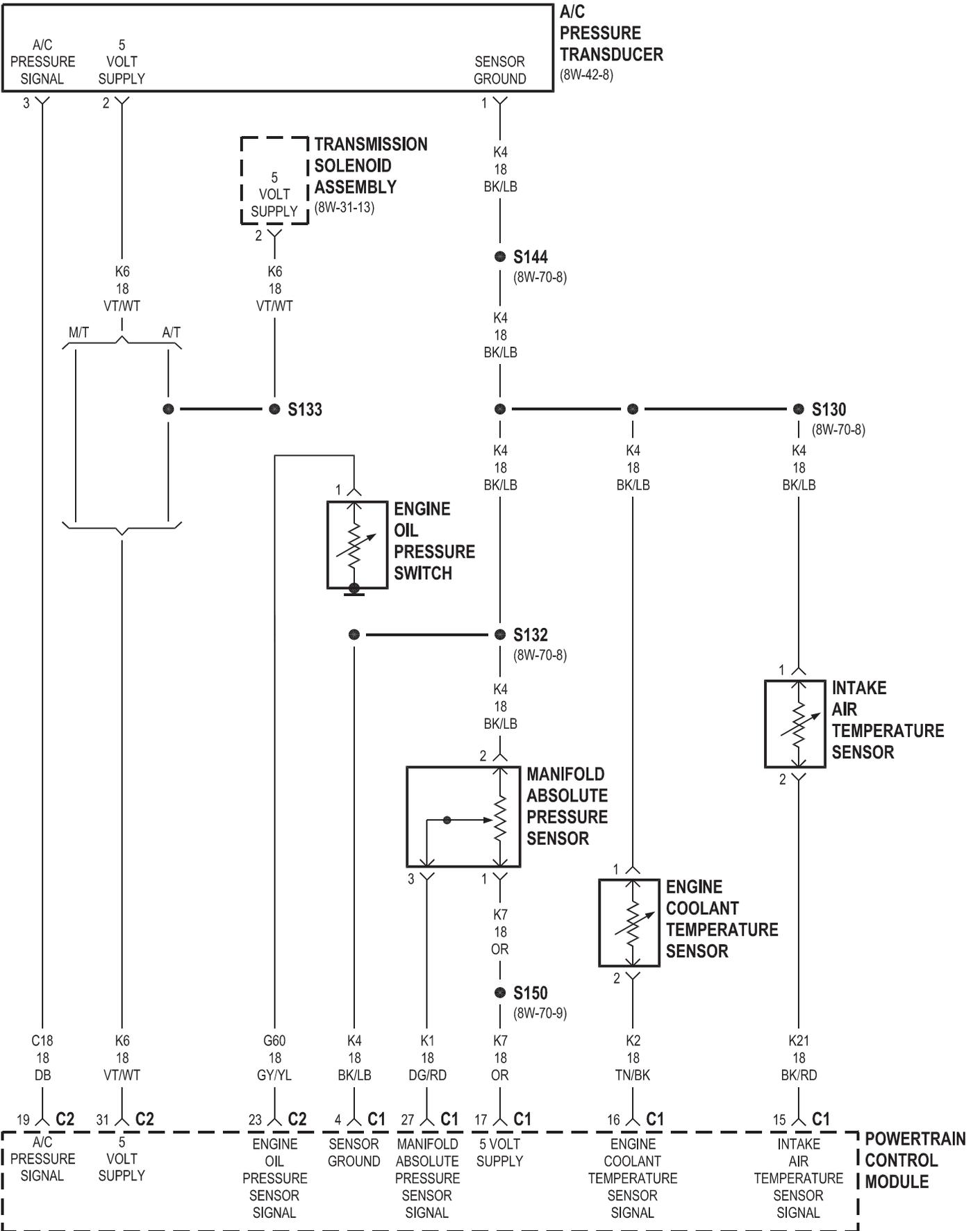
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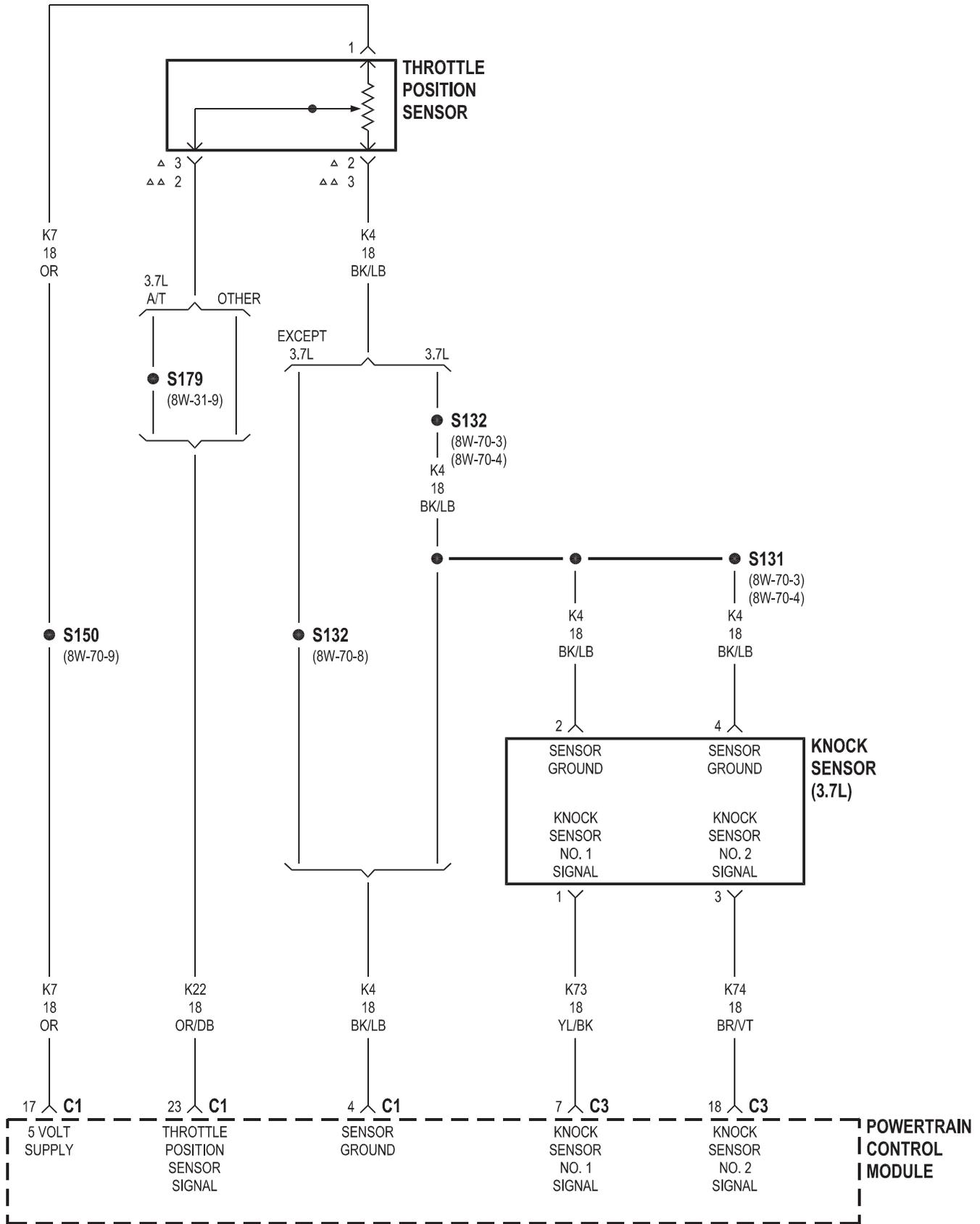


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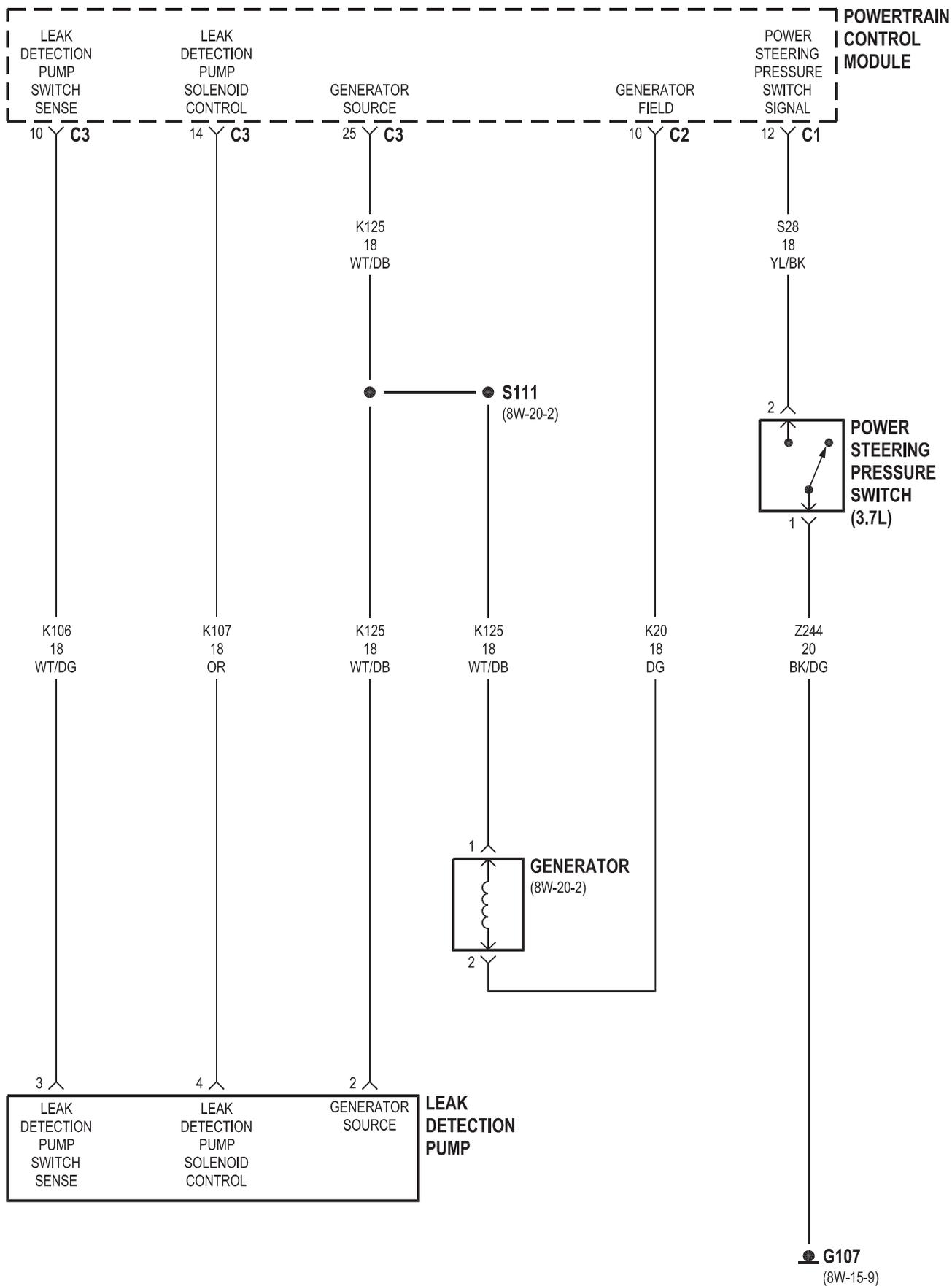


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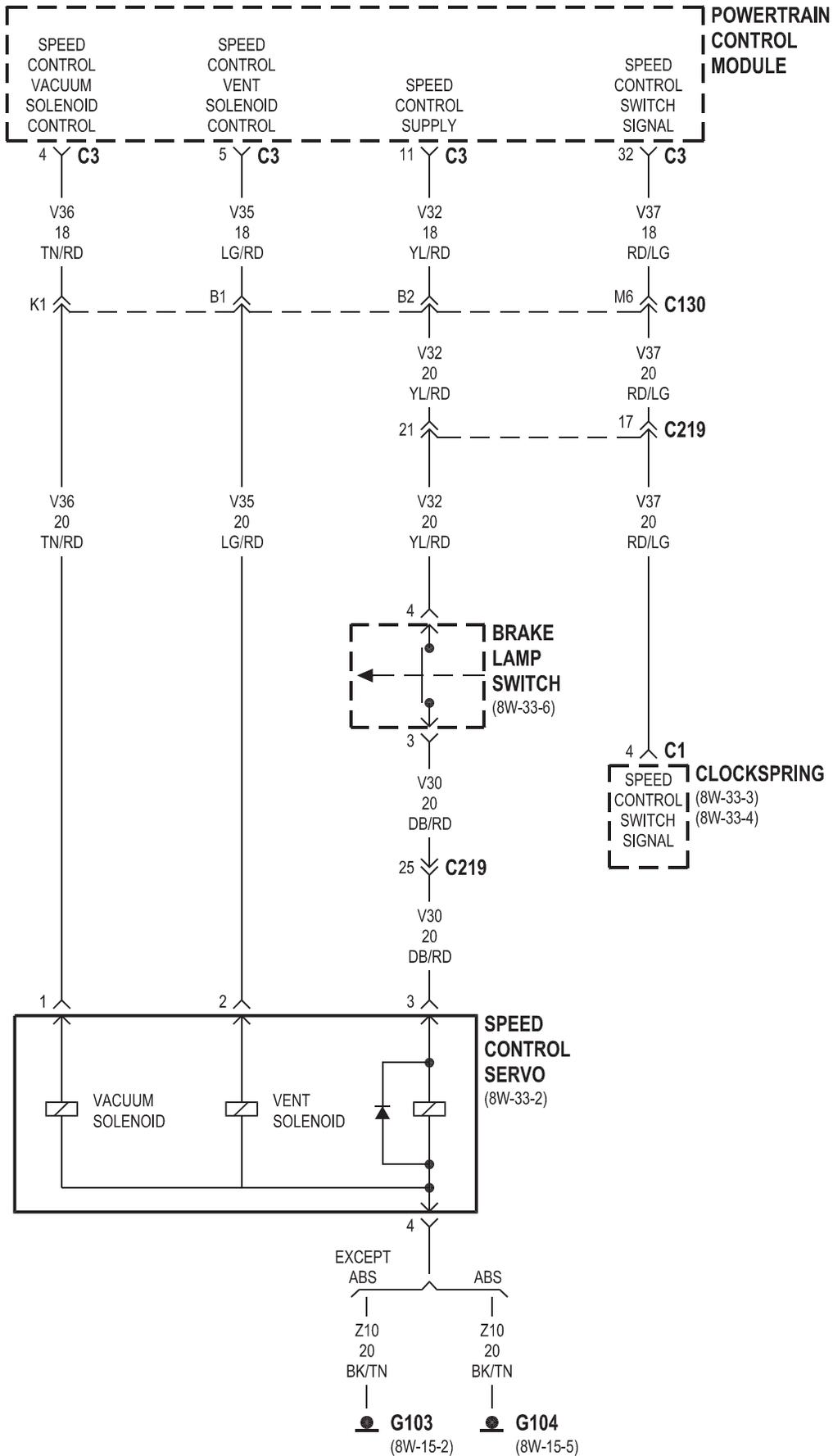


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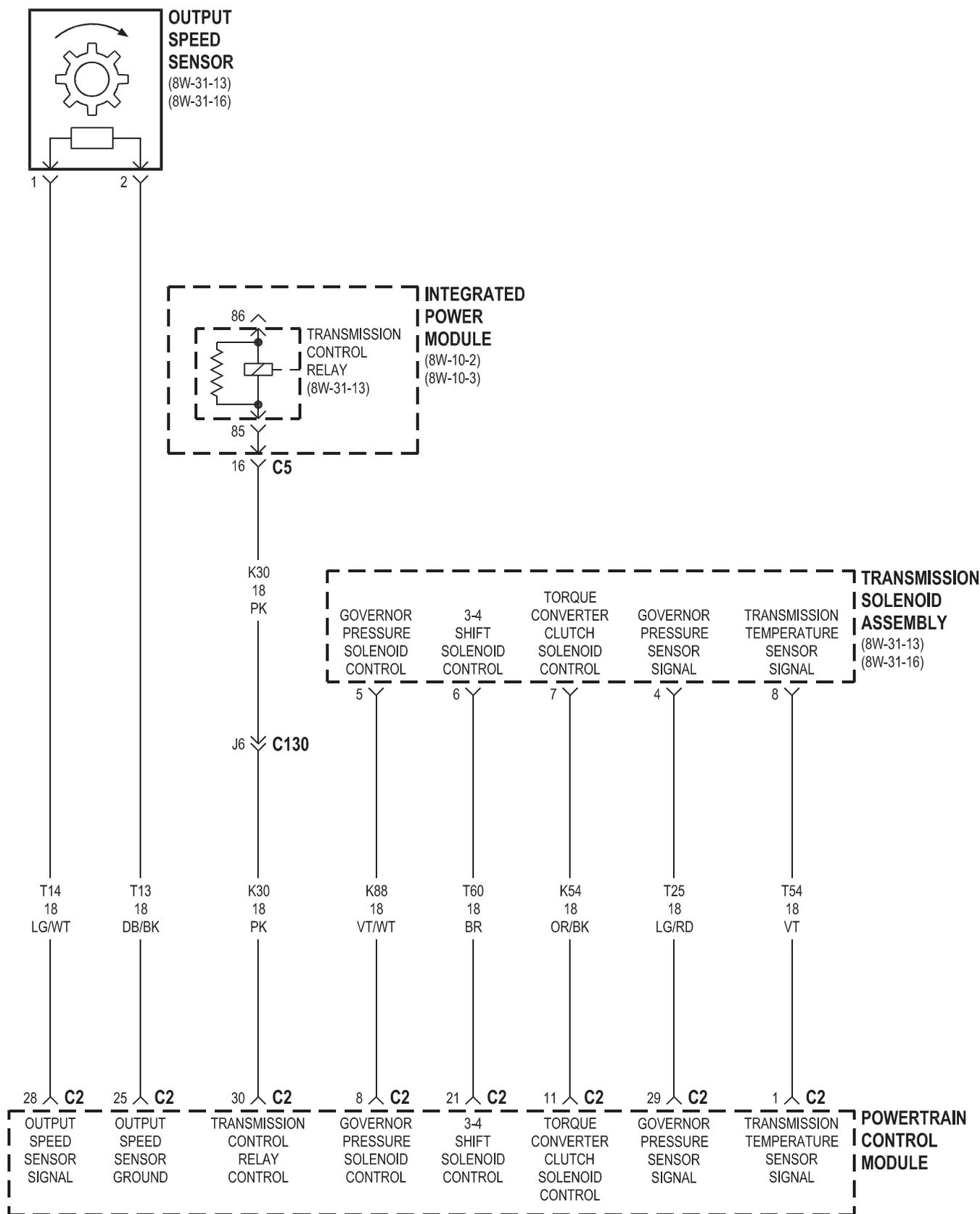




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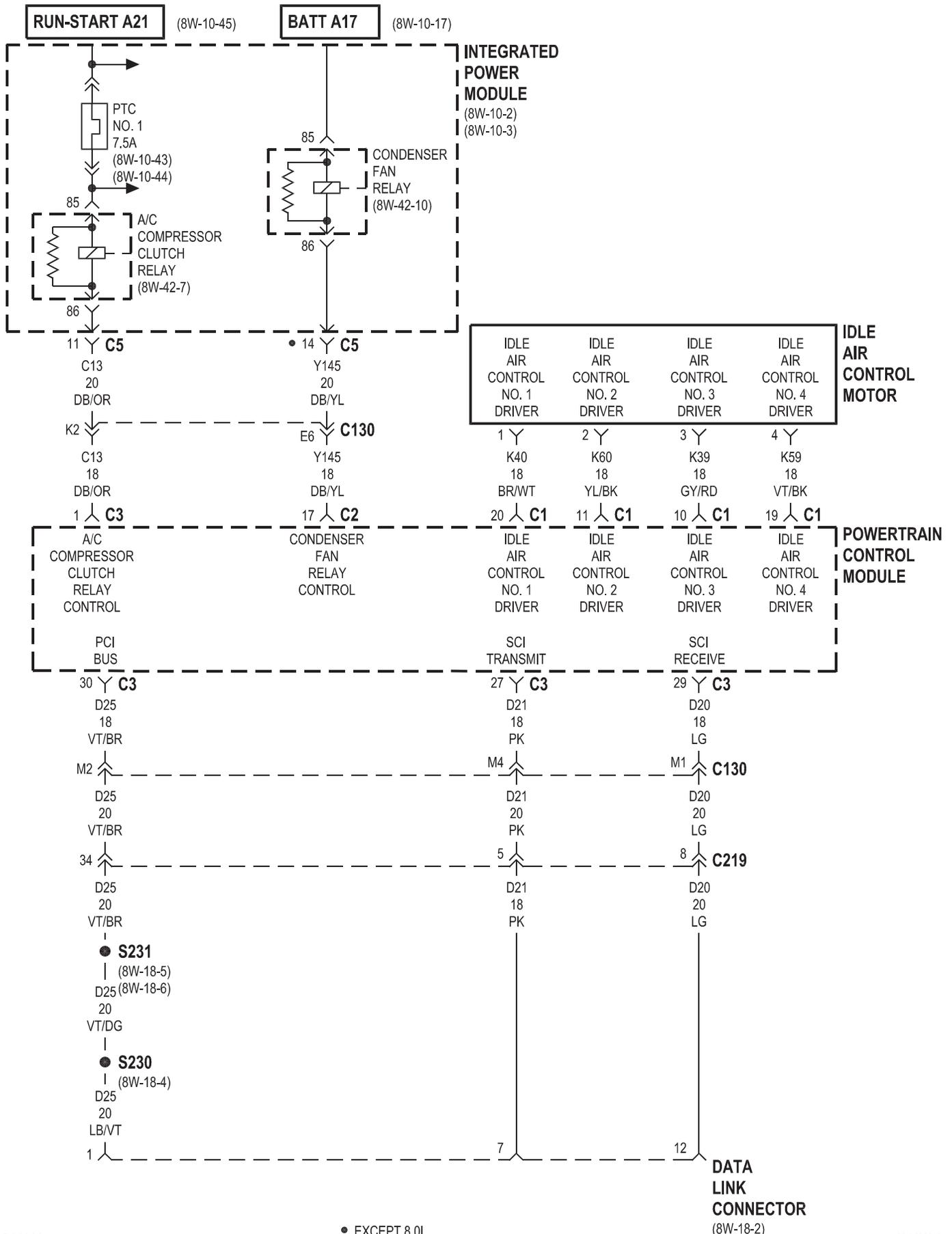


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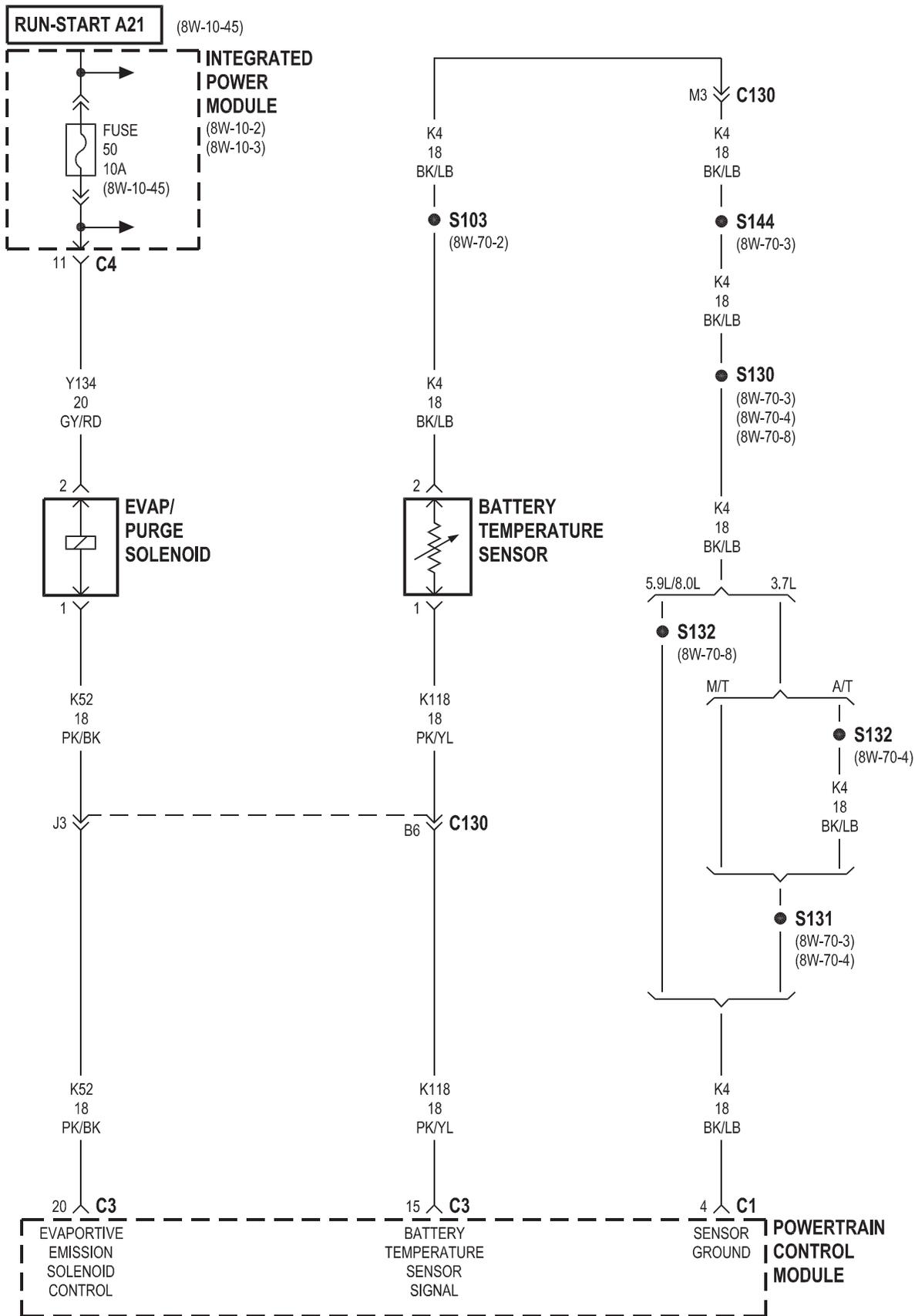


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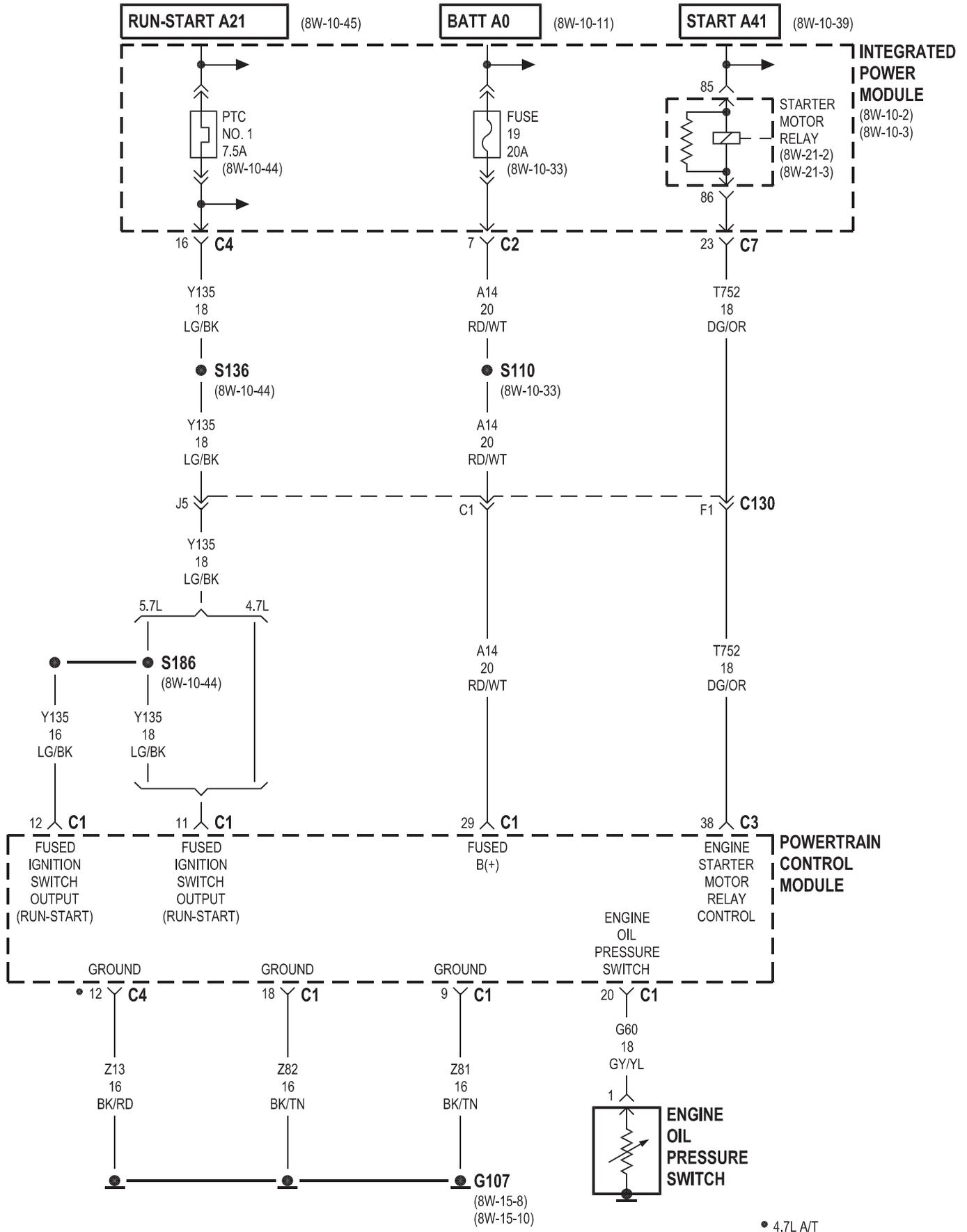
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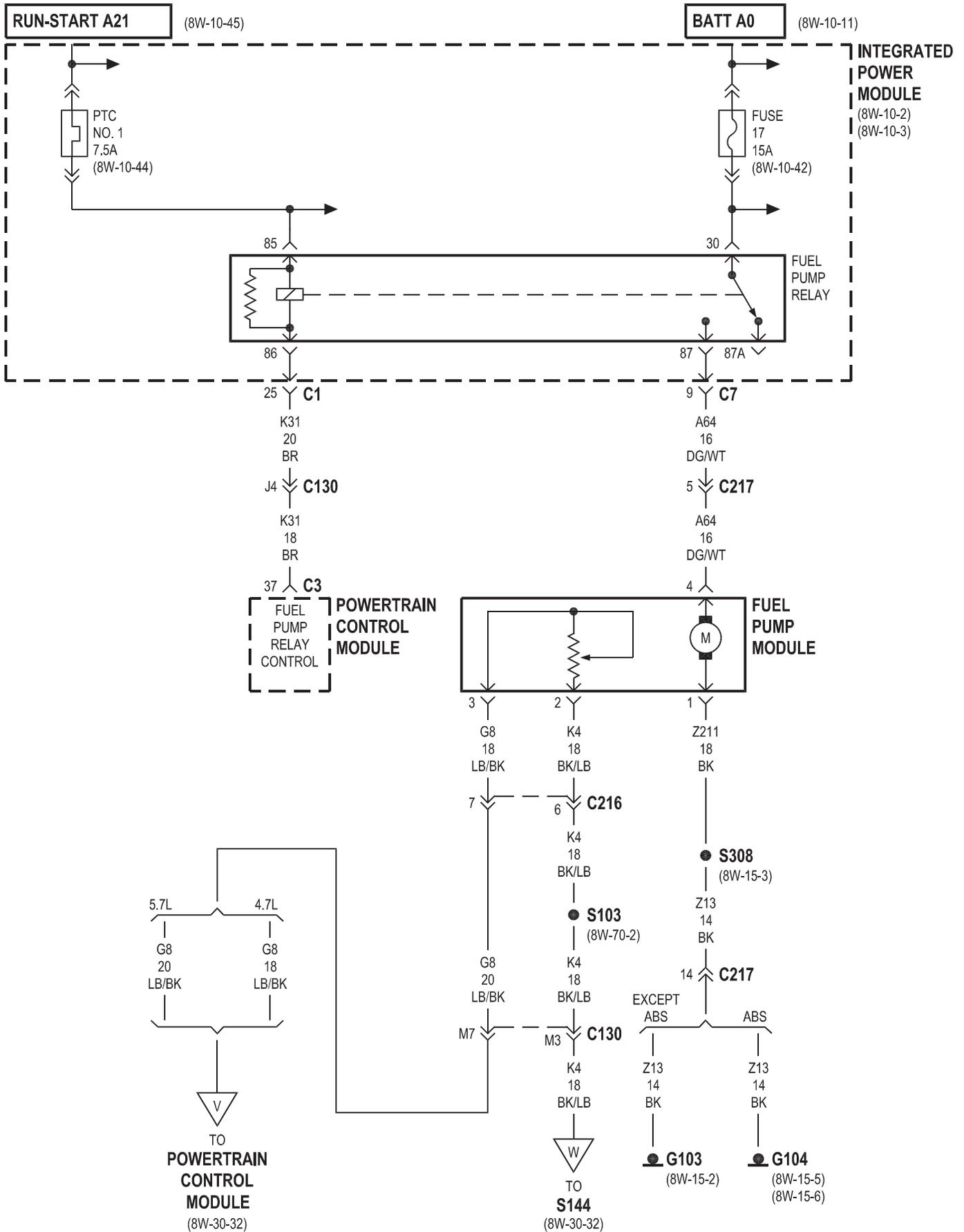
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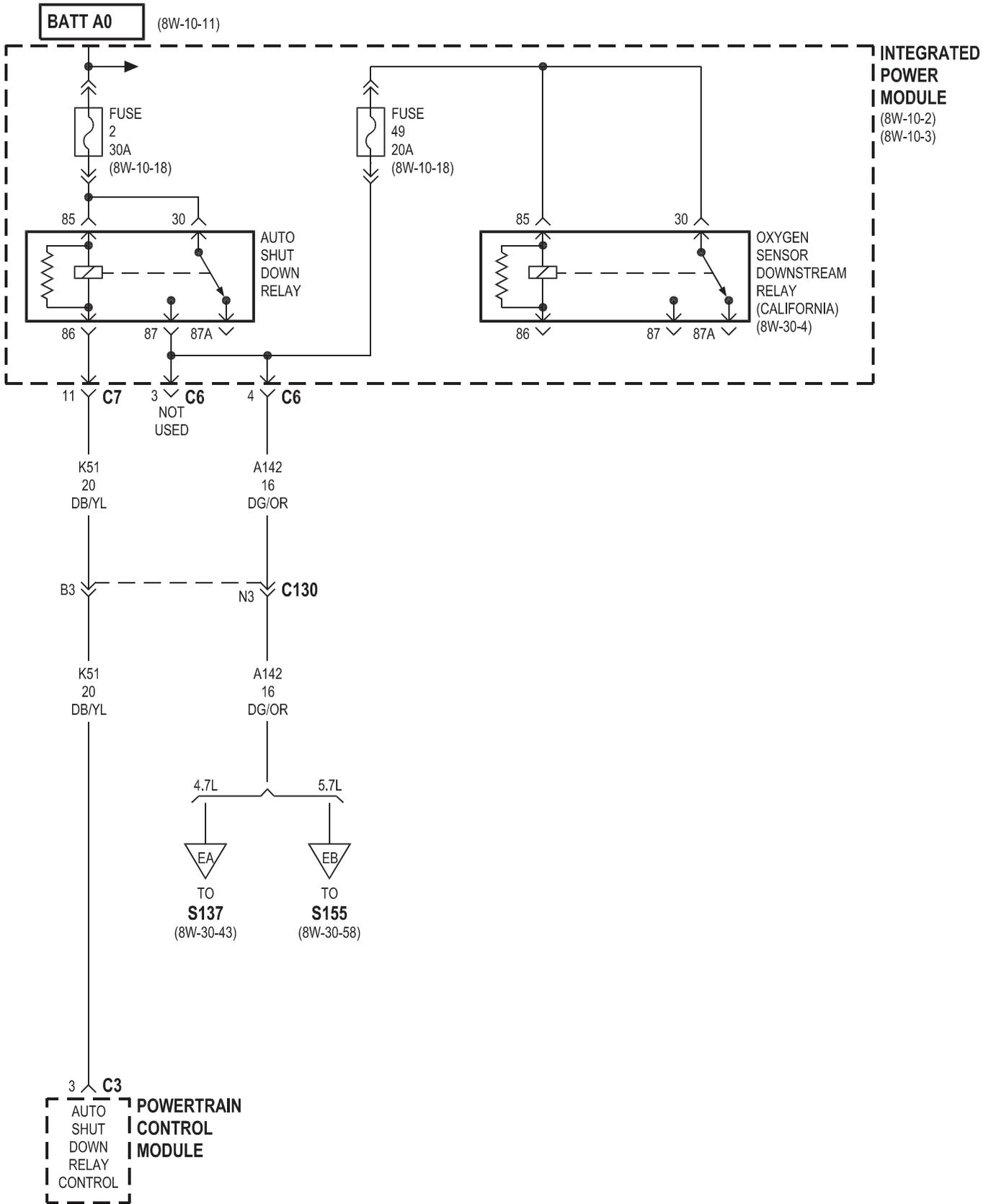
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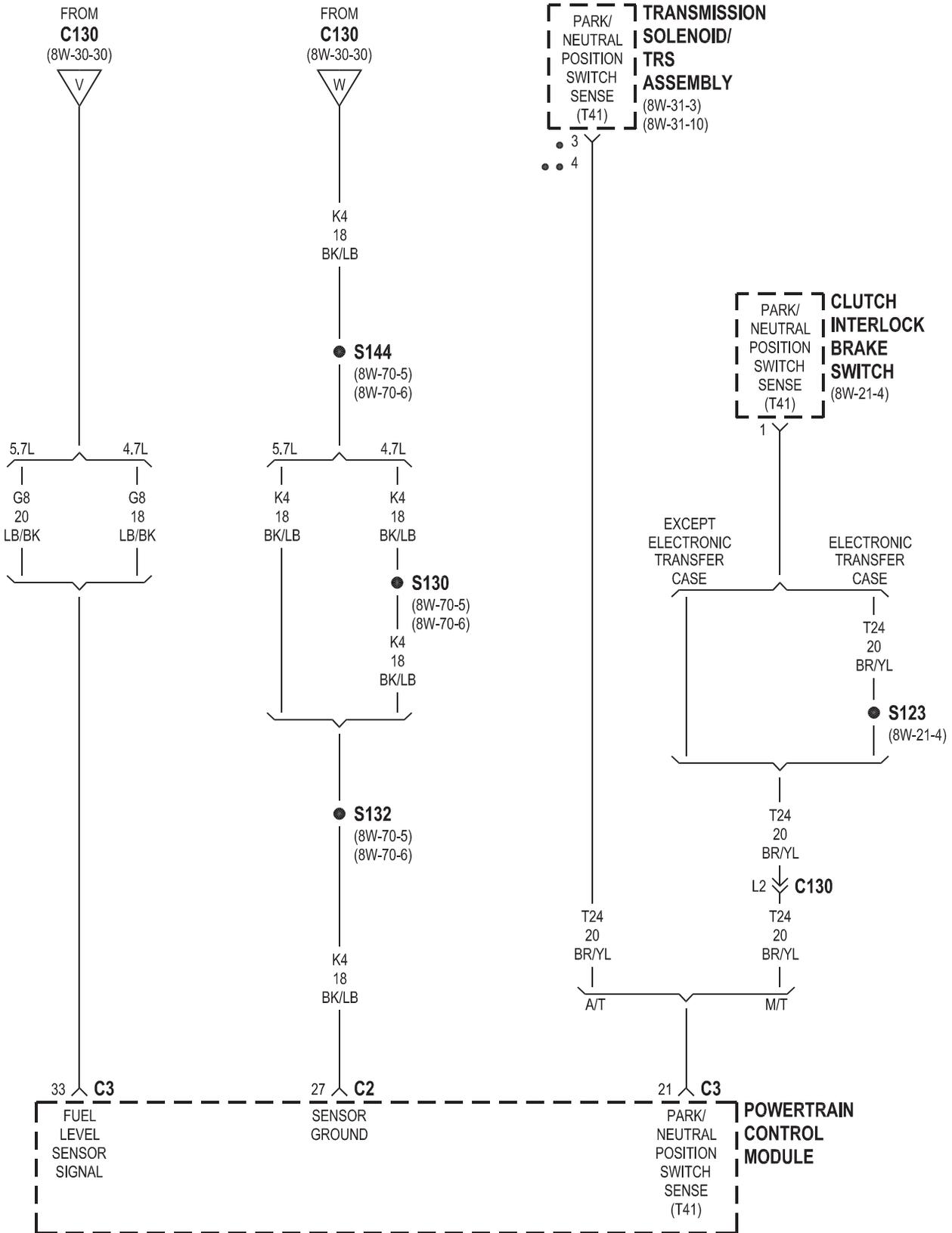
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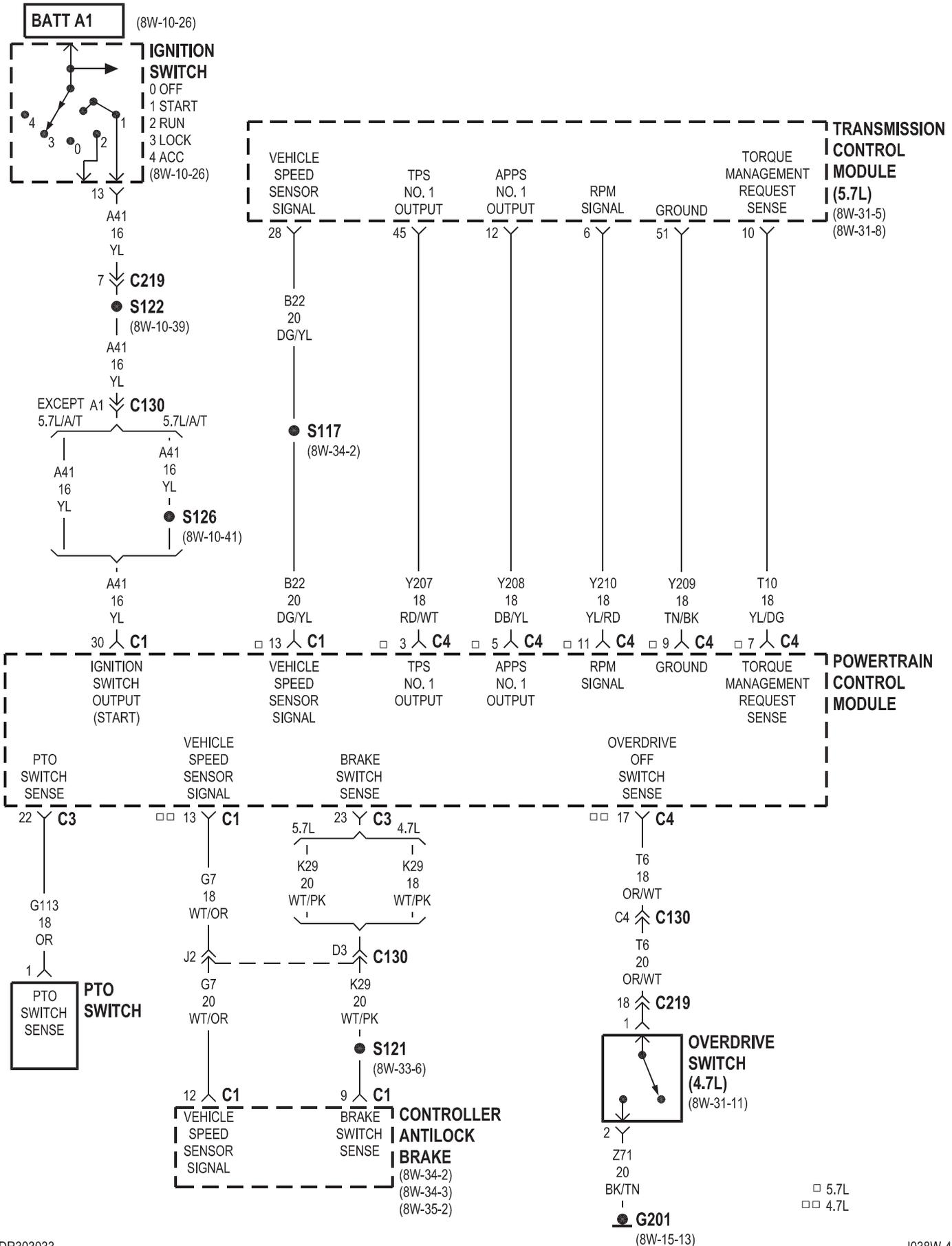
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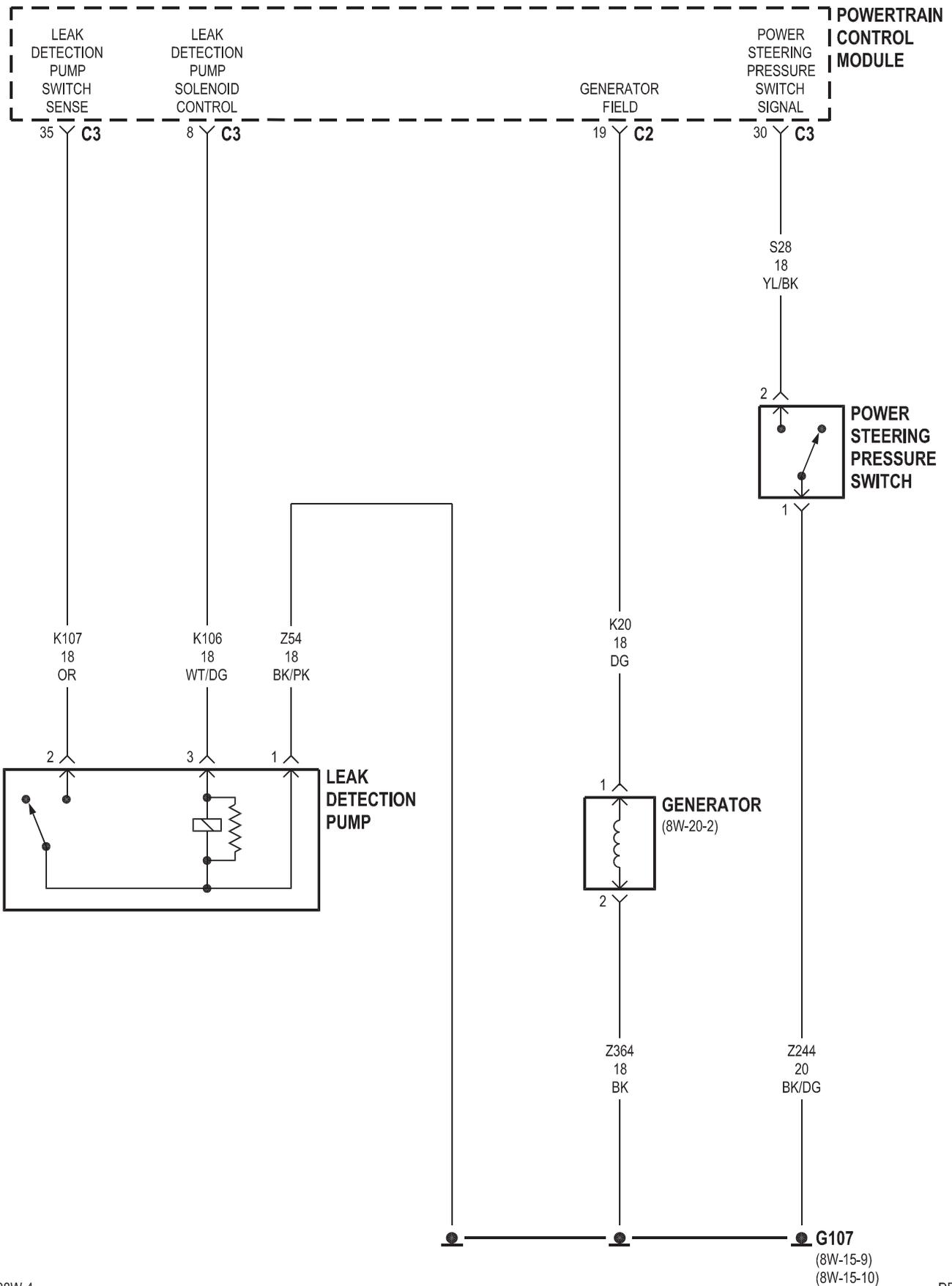
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● EXCEPT 4.7L  
● 4.7L

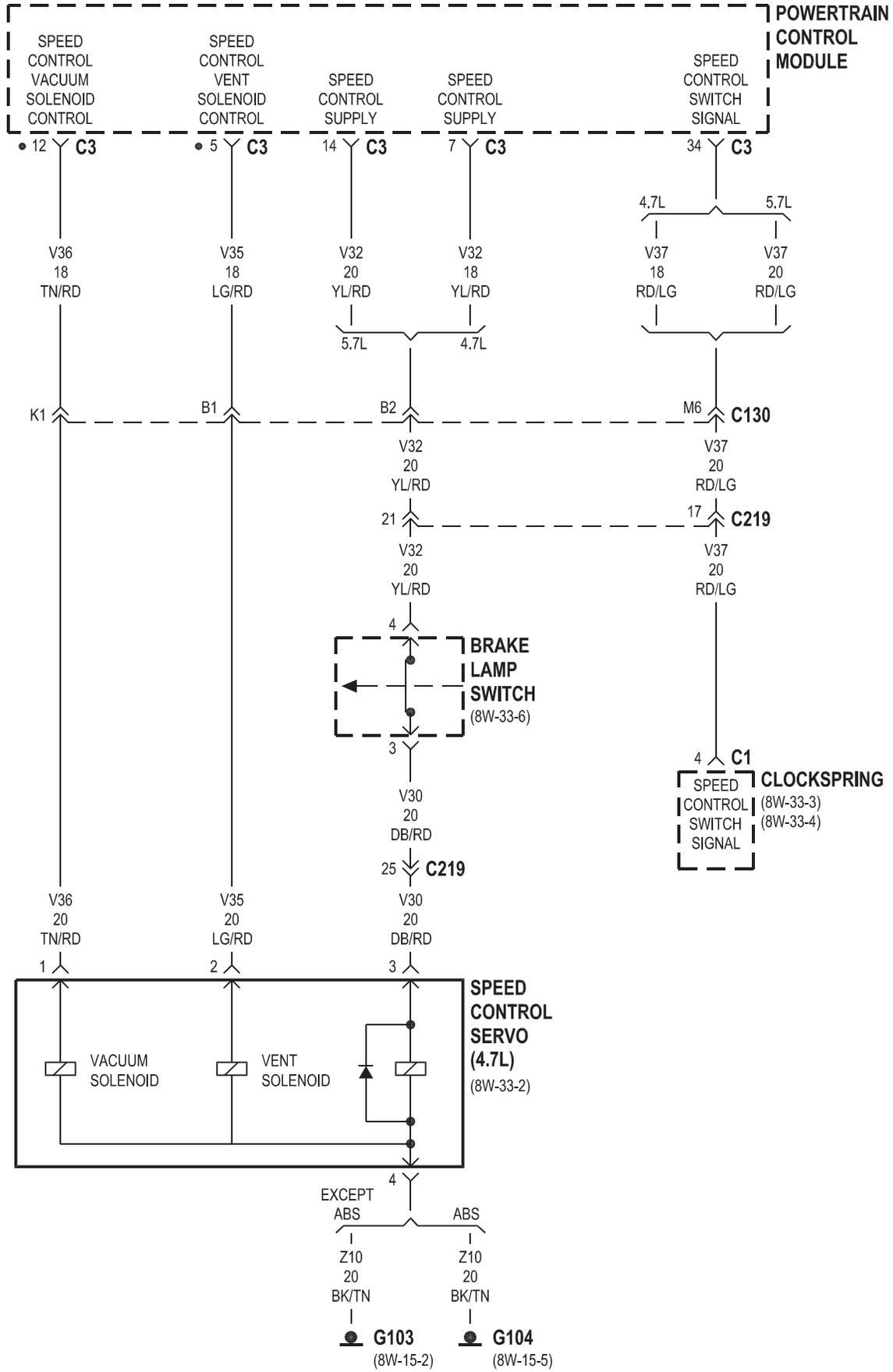


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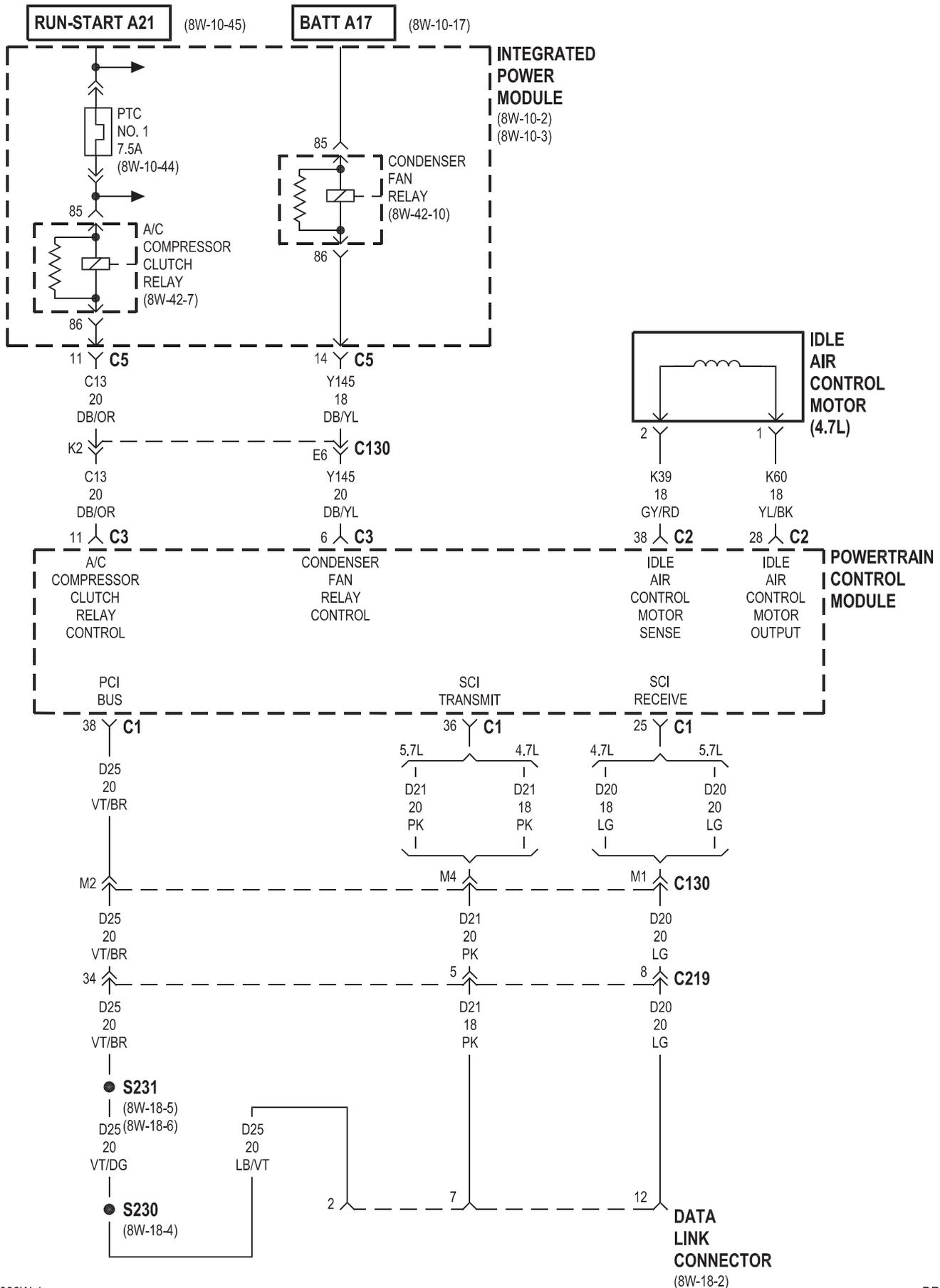


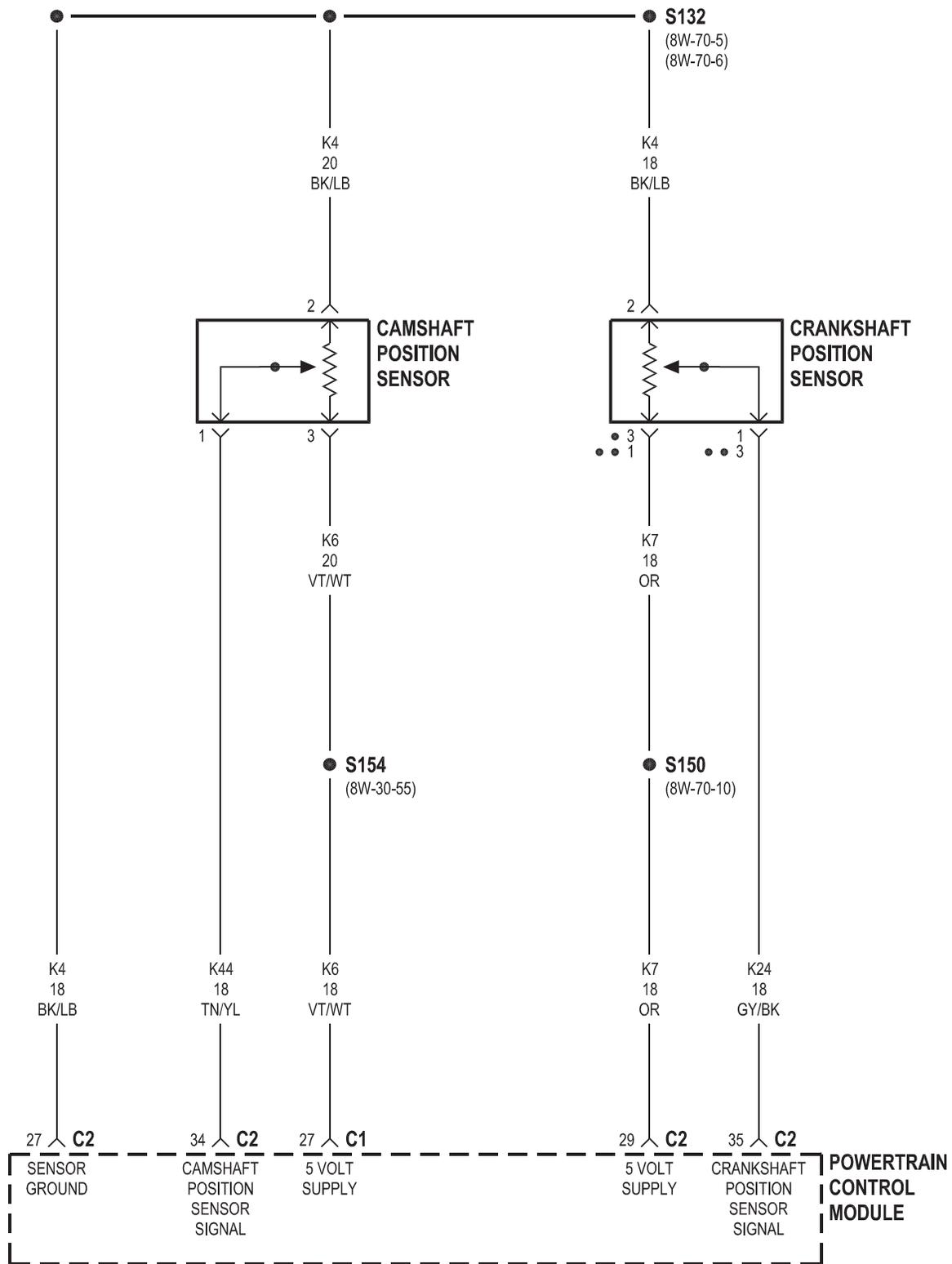
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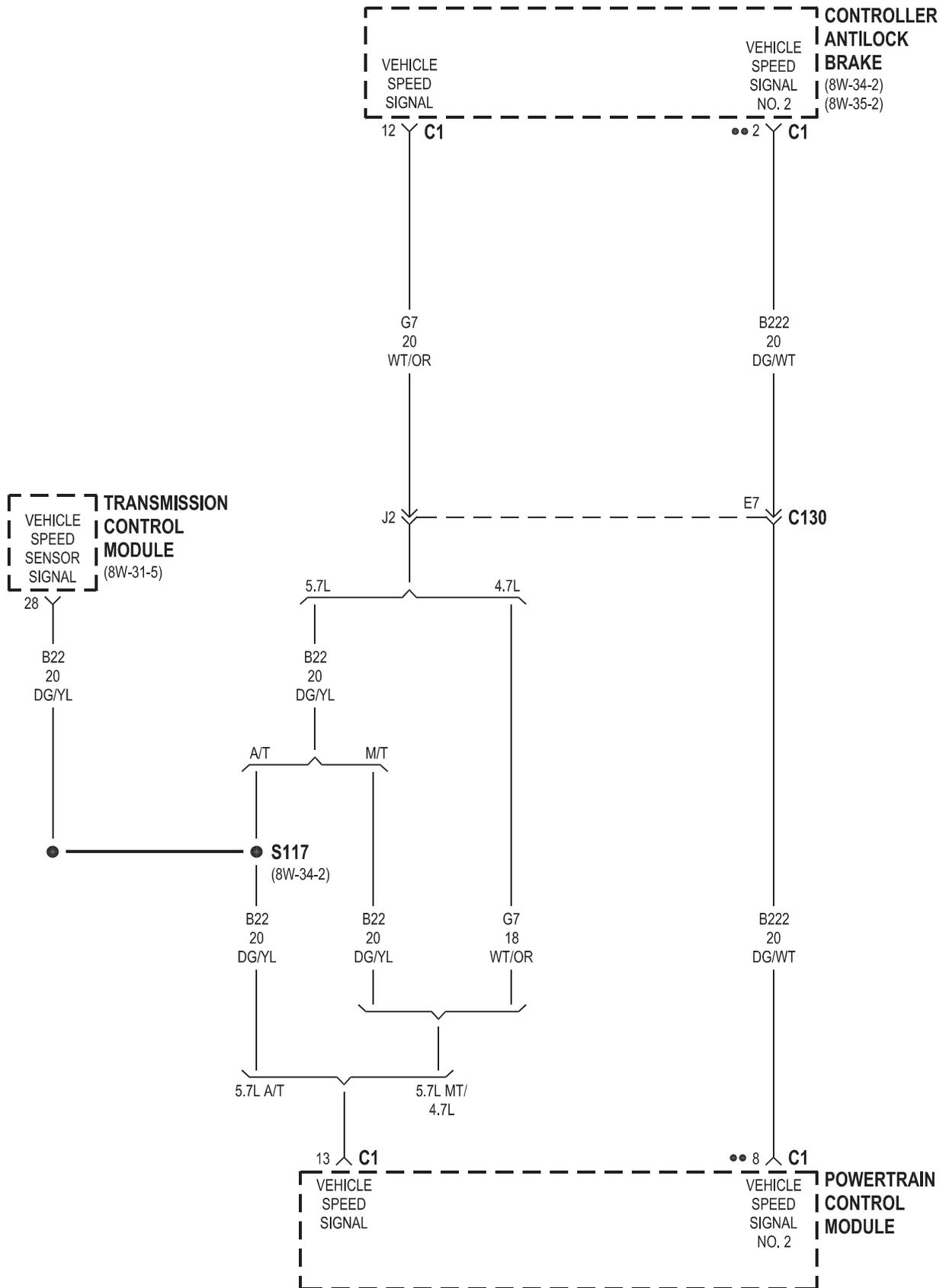


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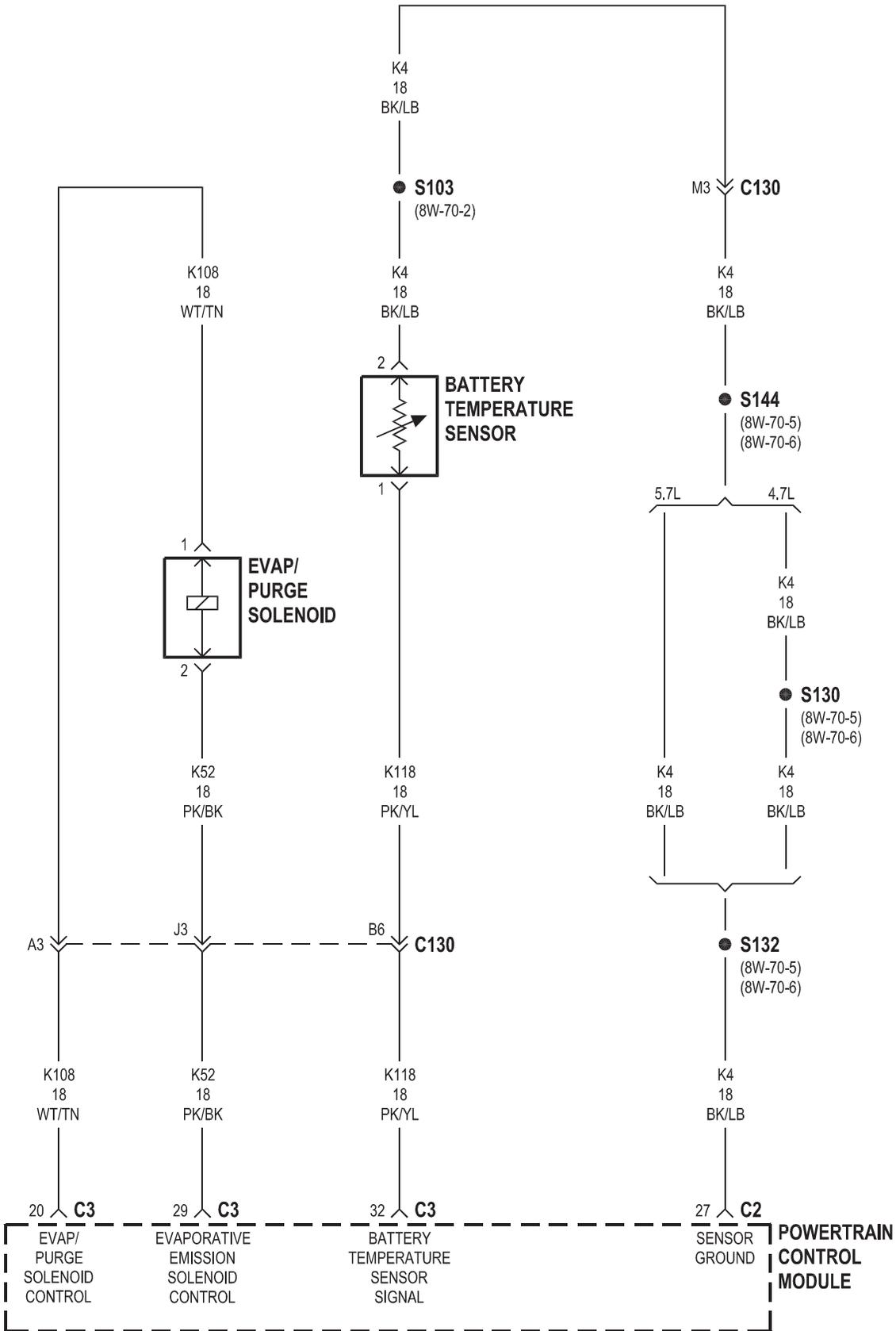




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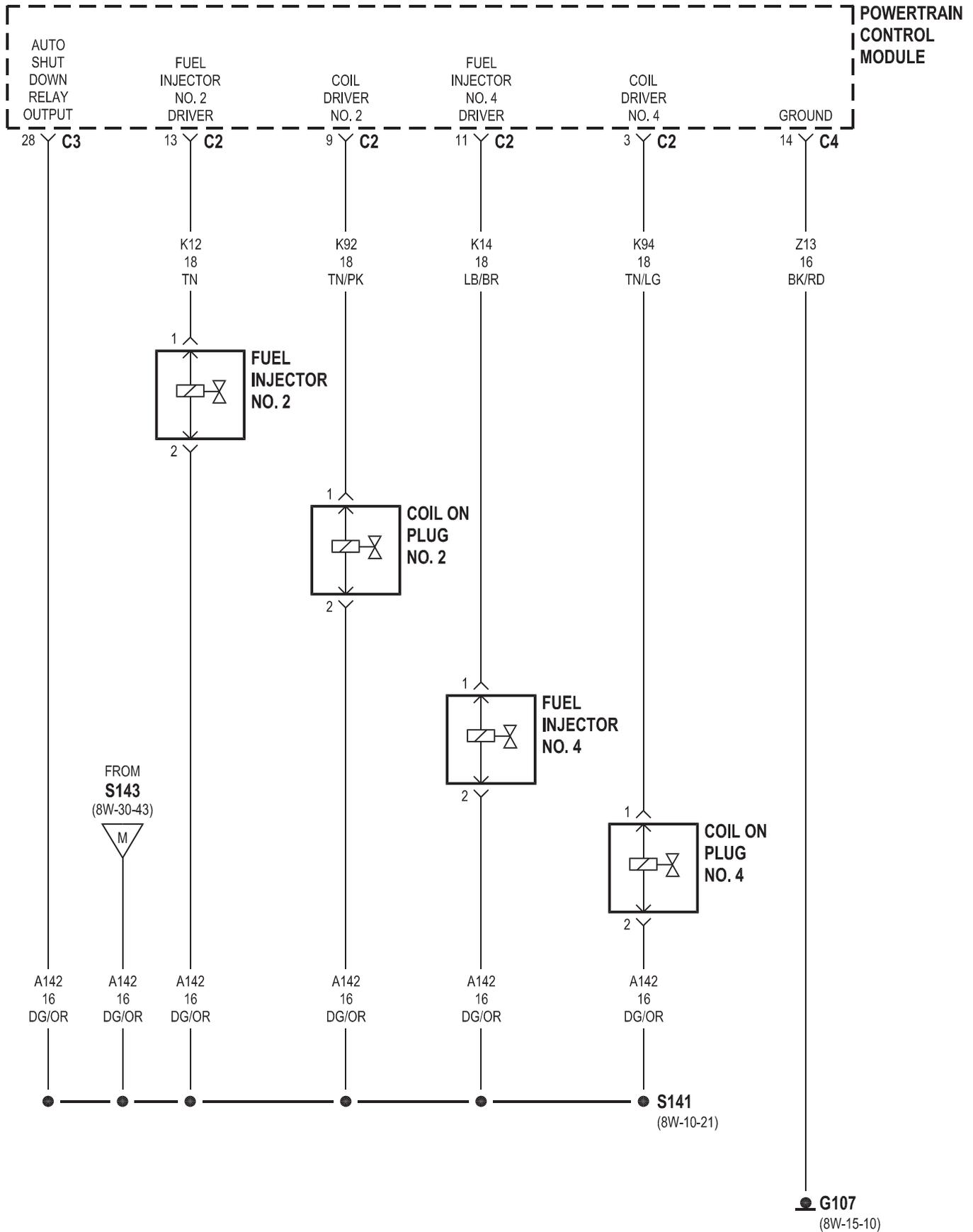


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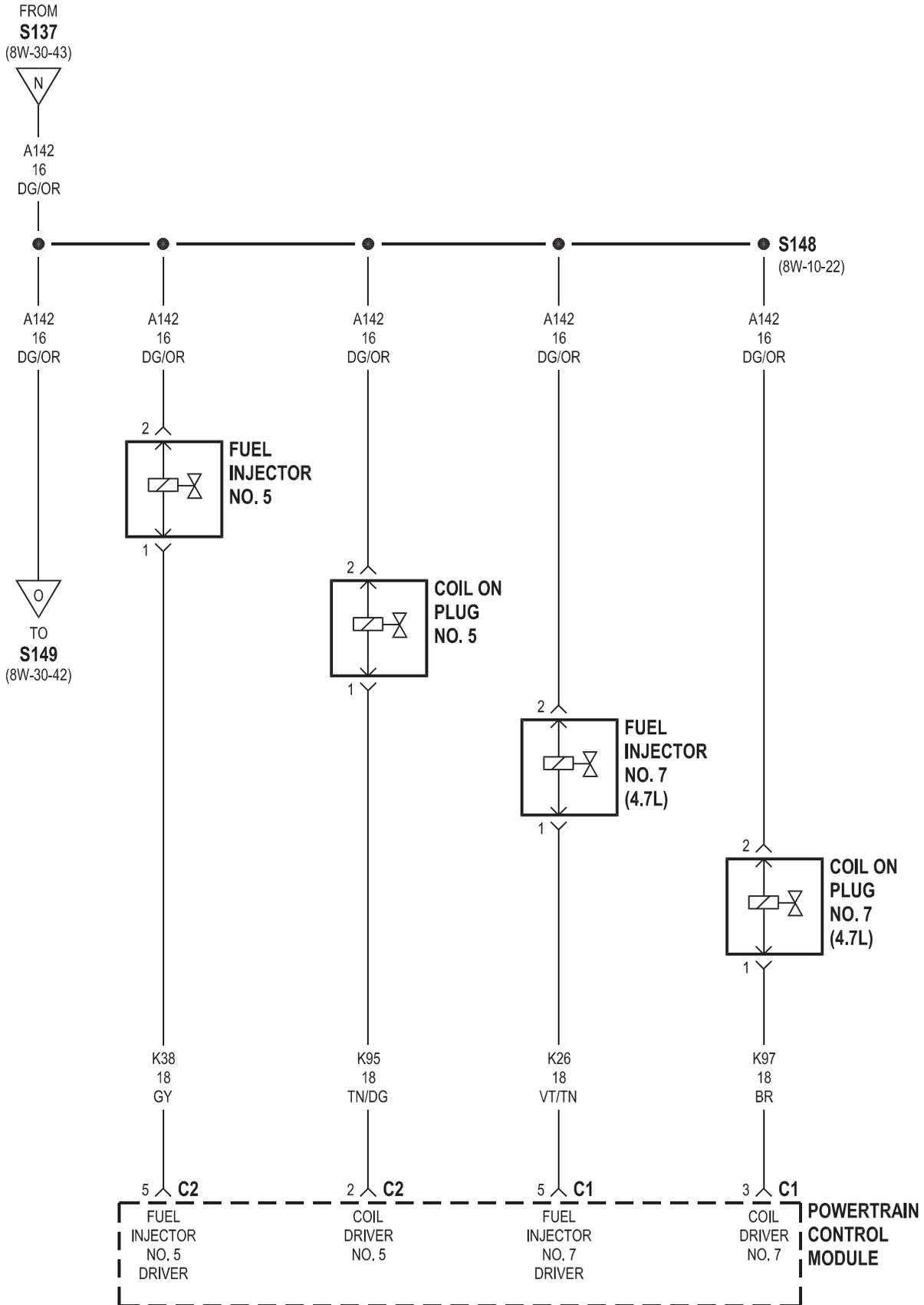
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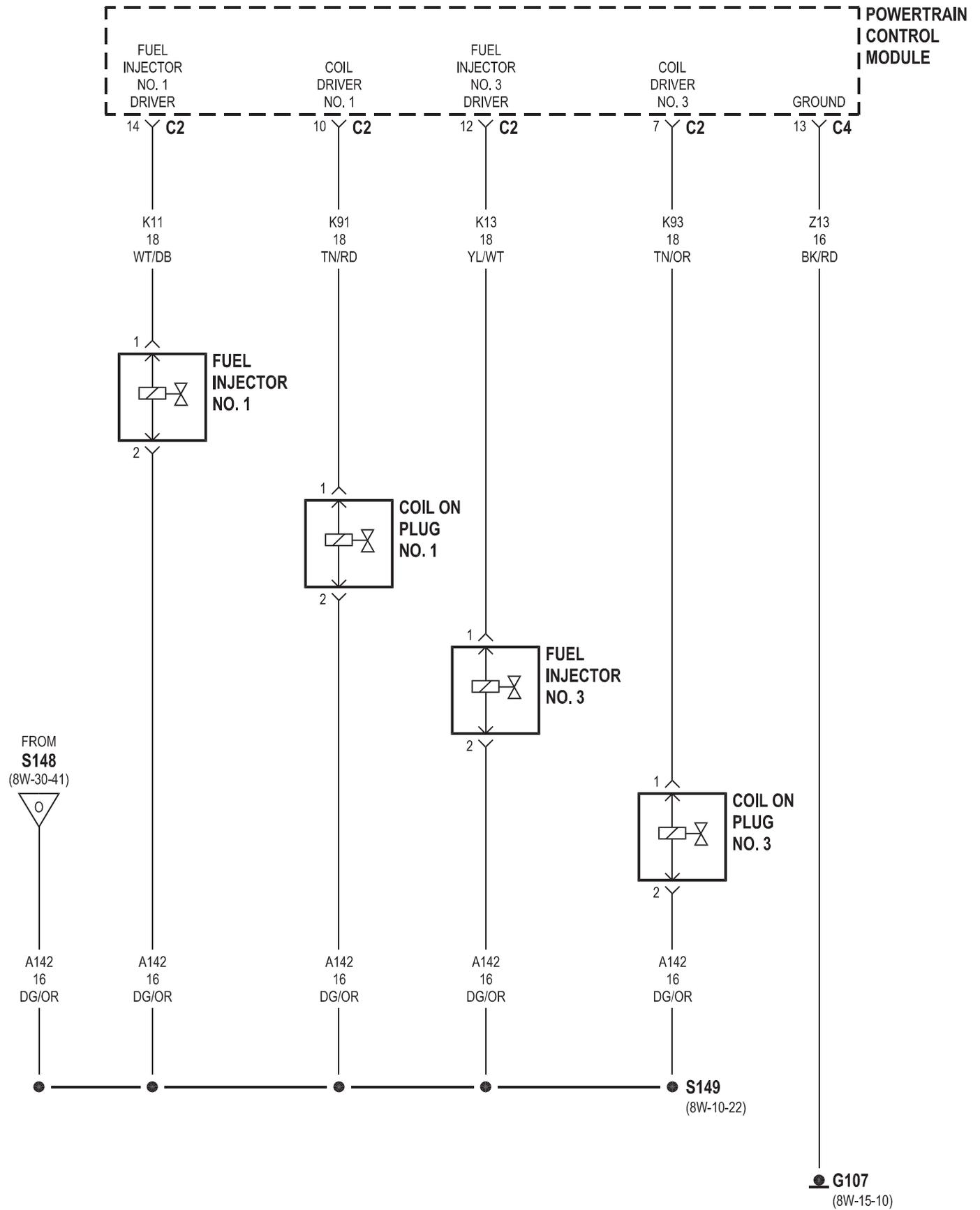


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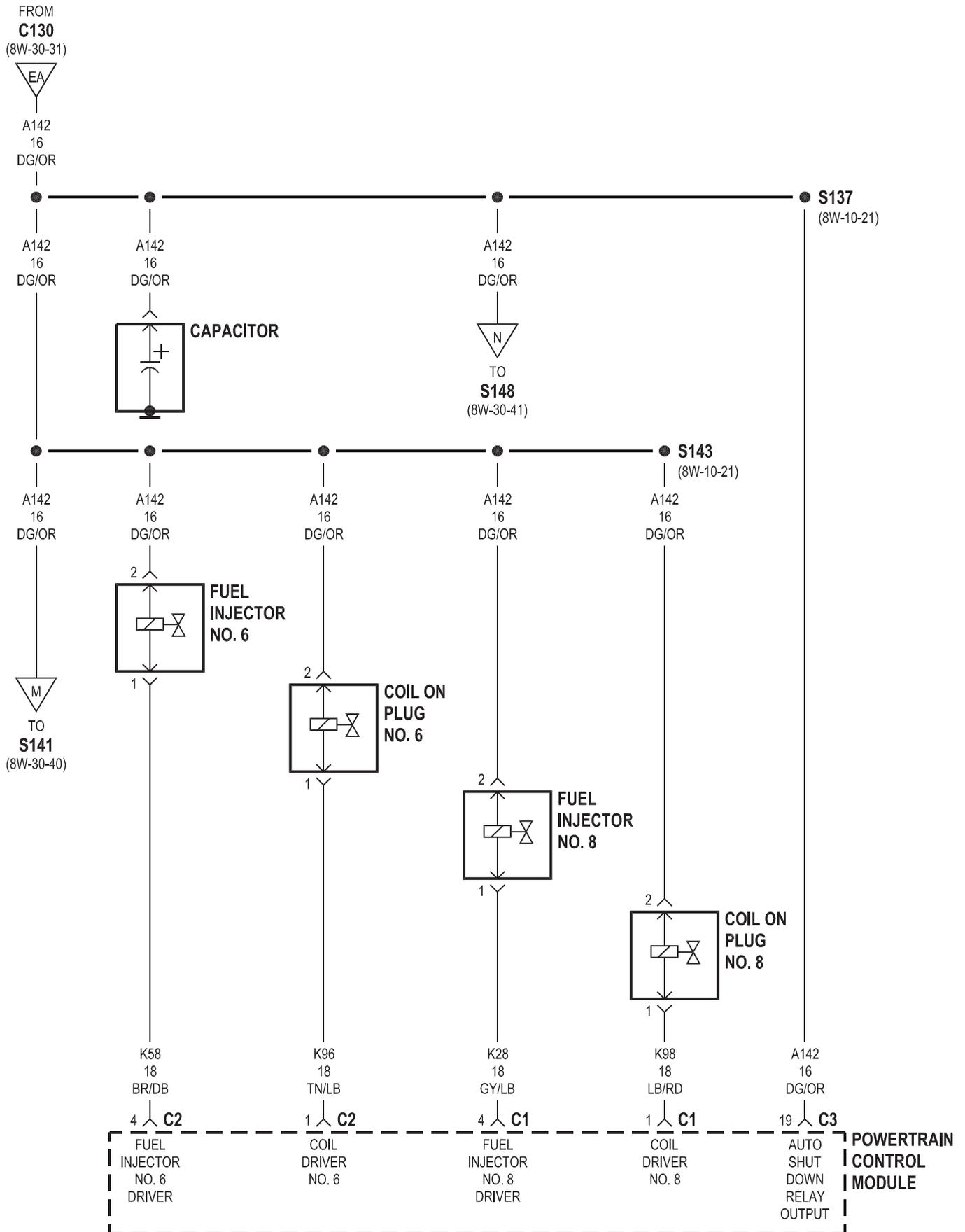
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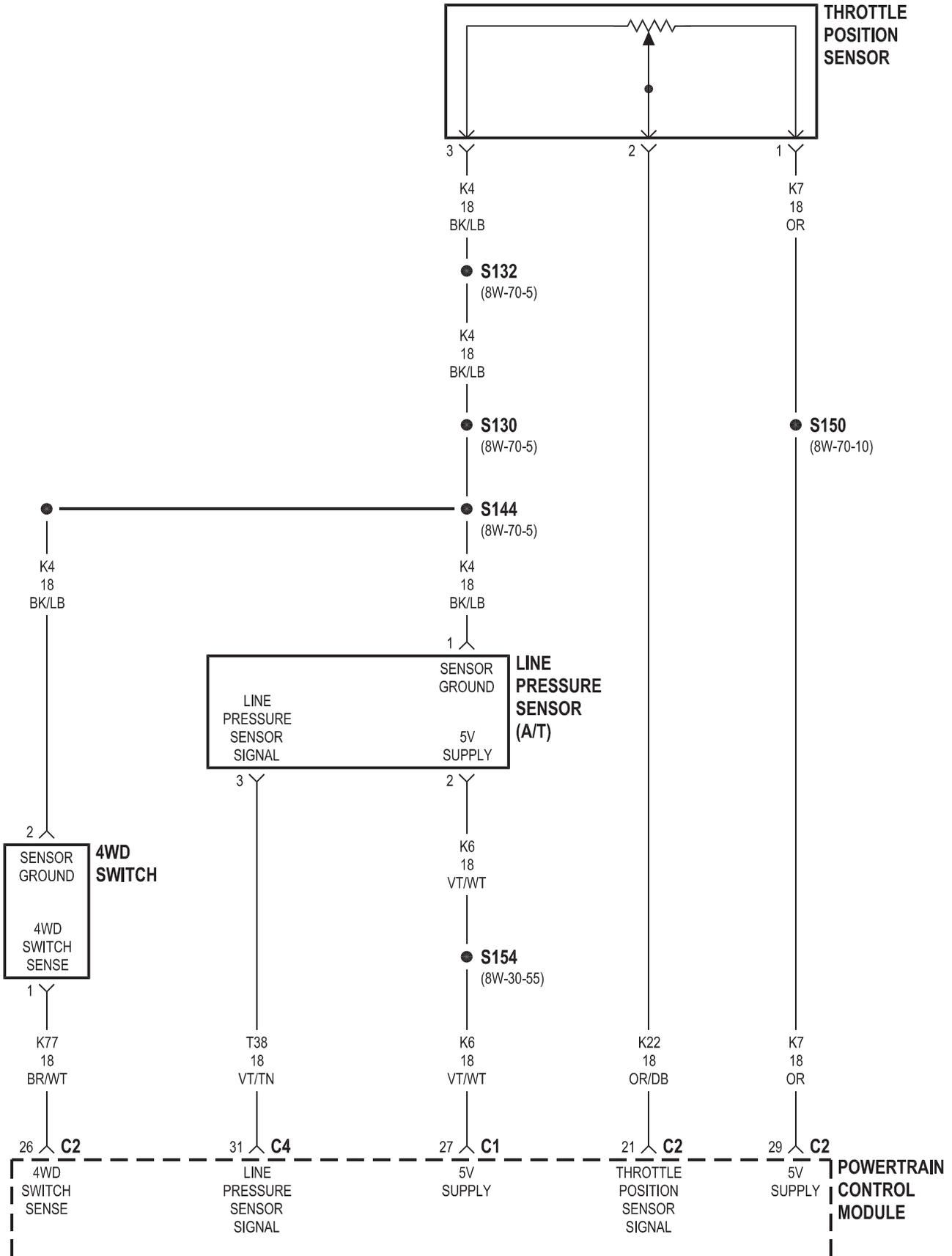
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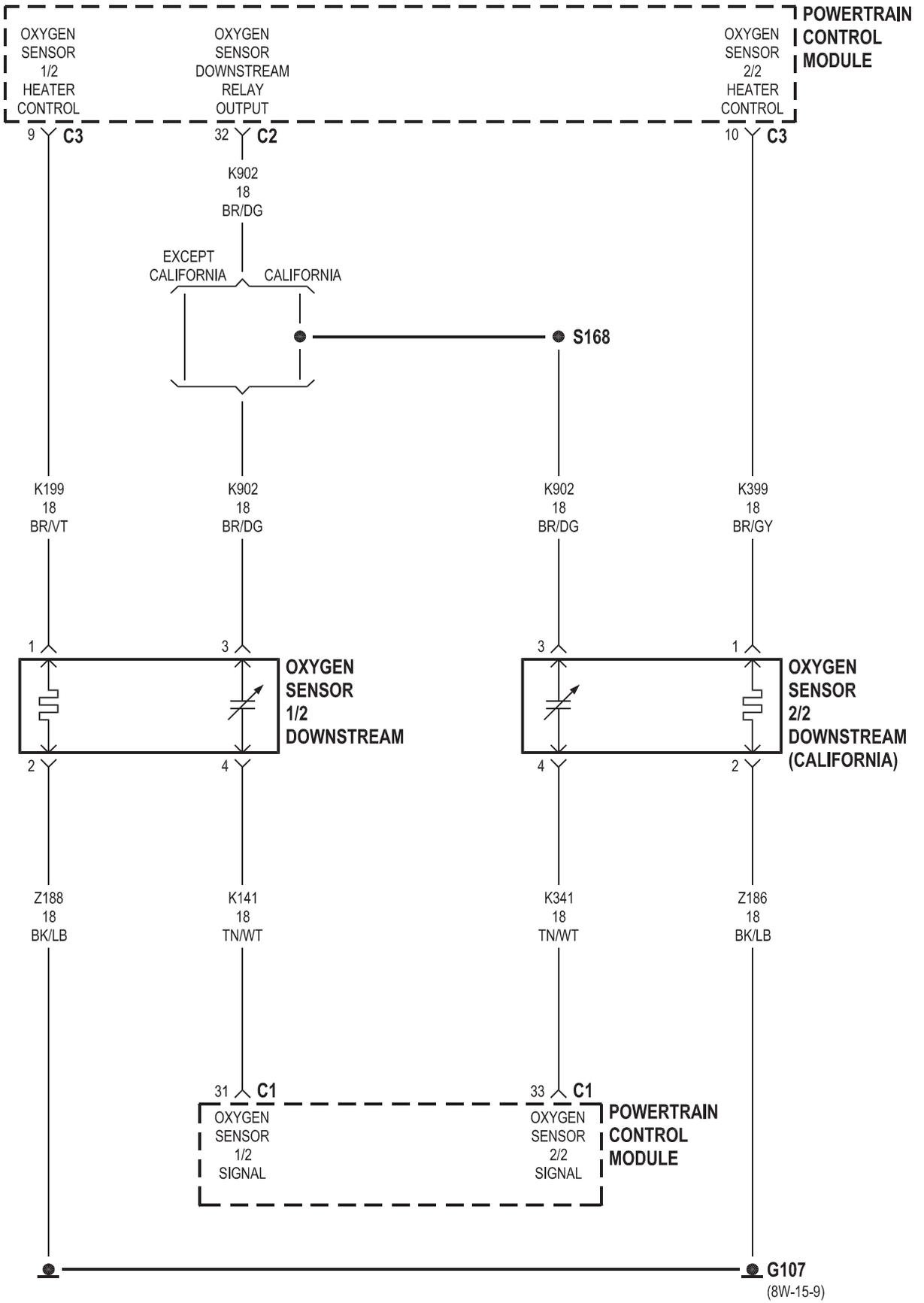
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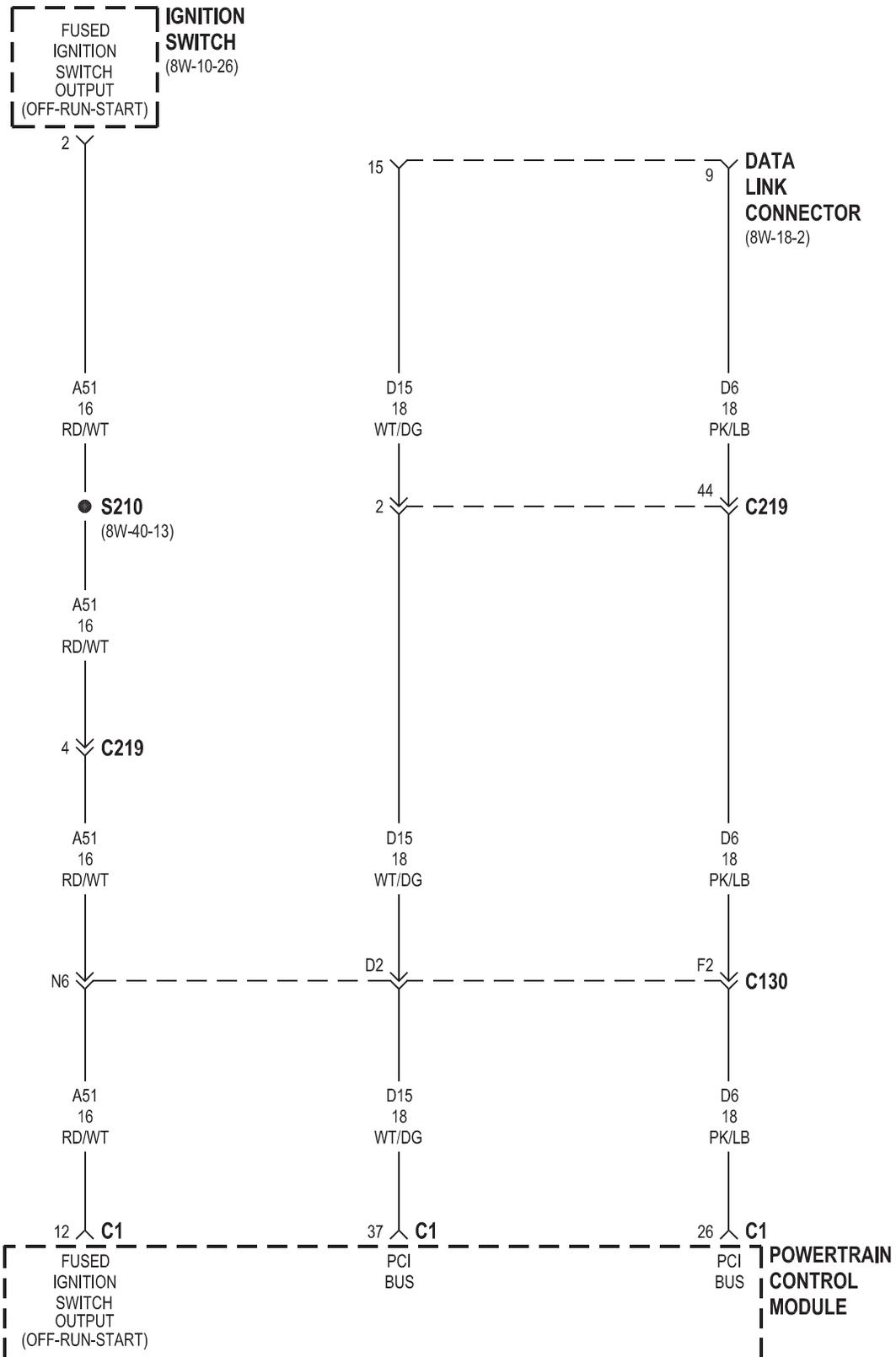
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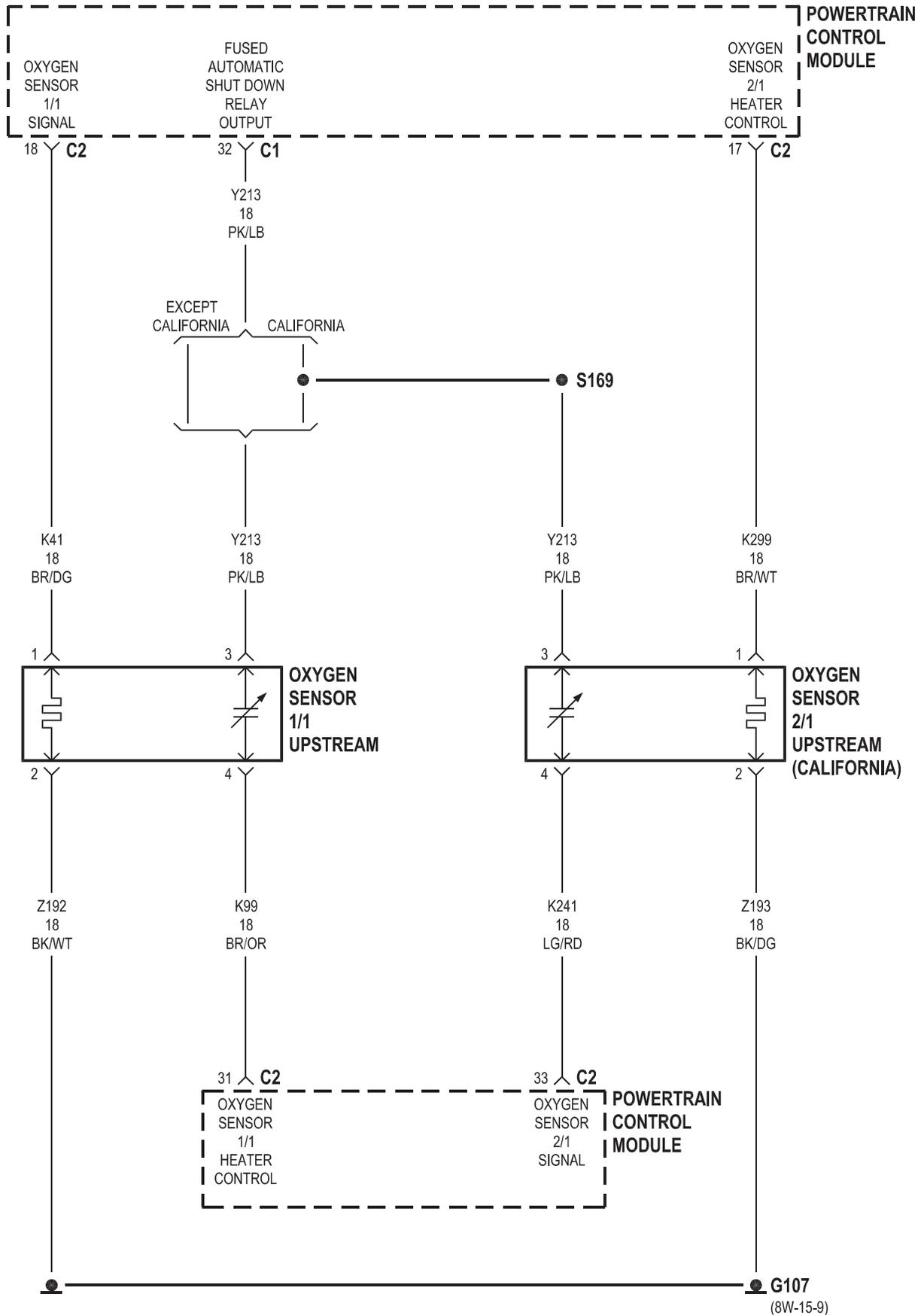
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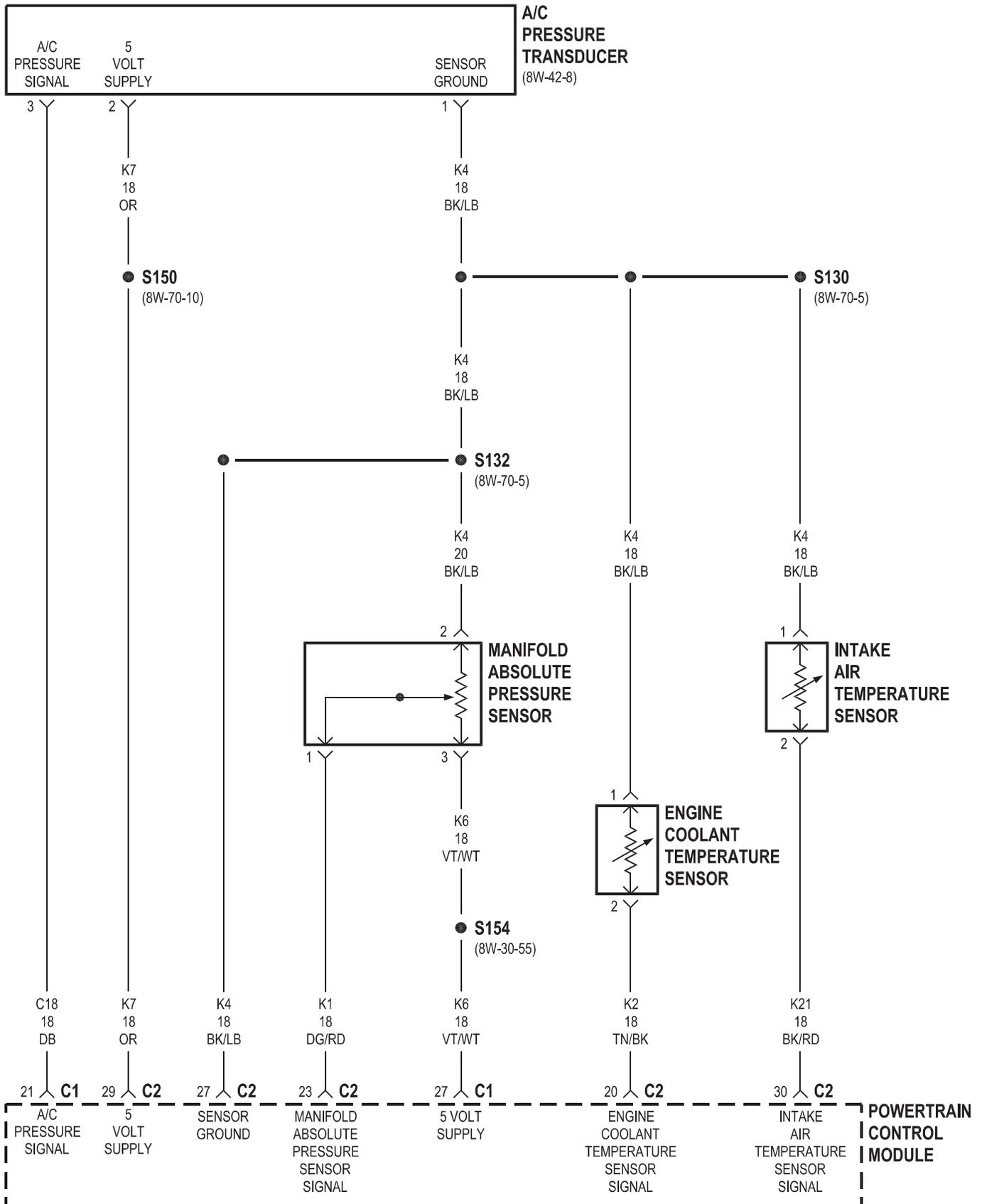
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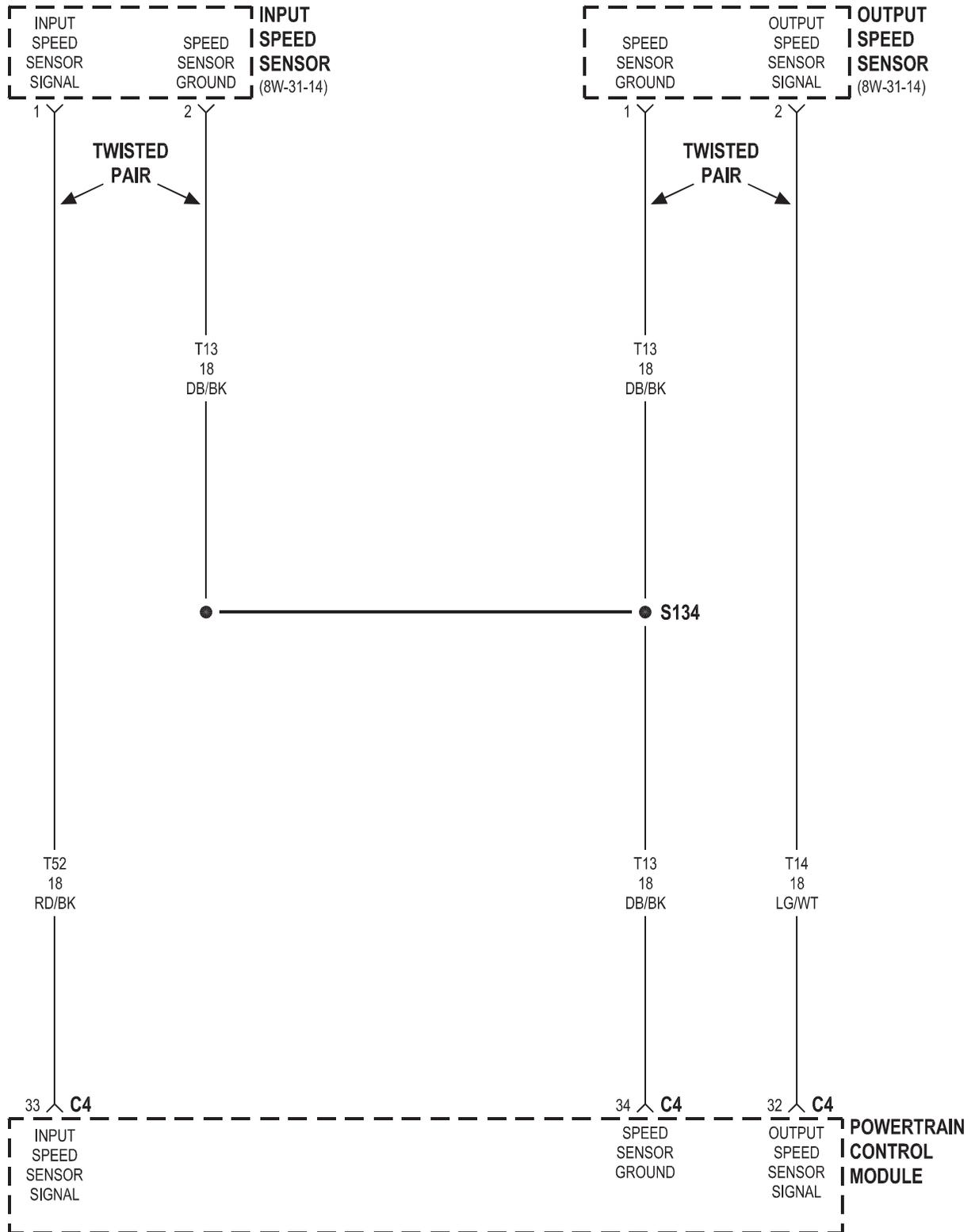
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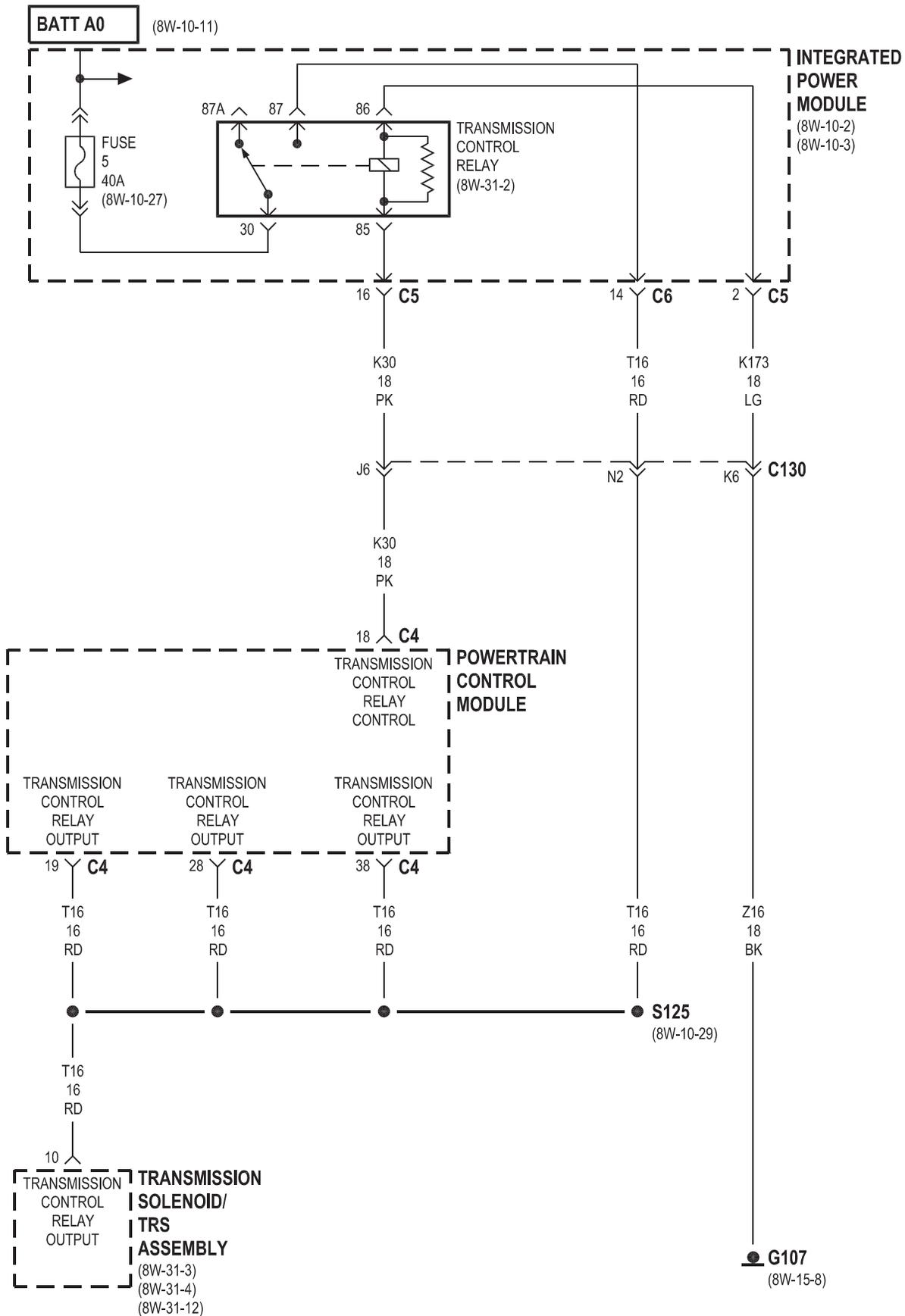


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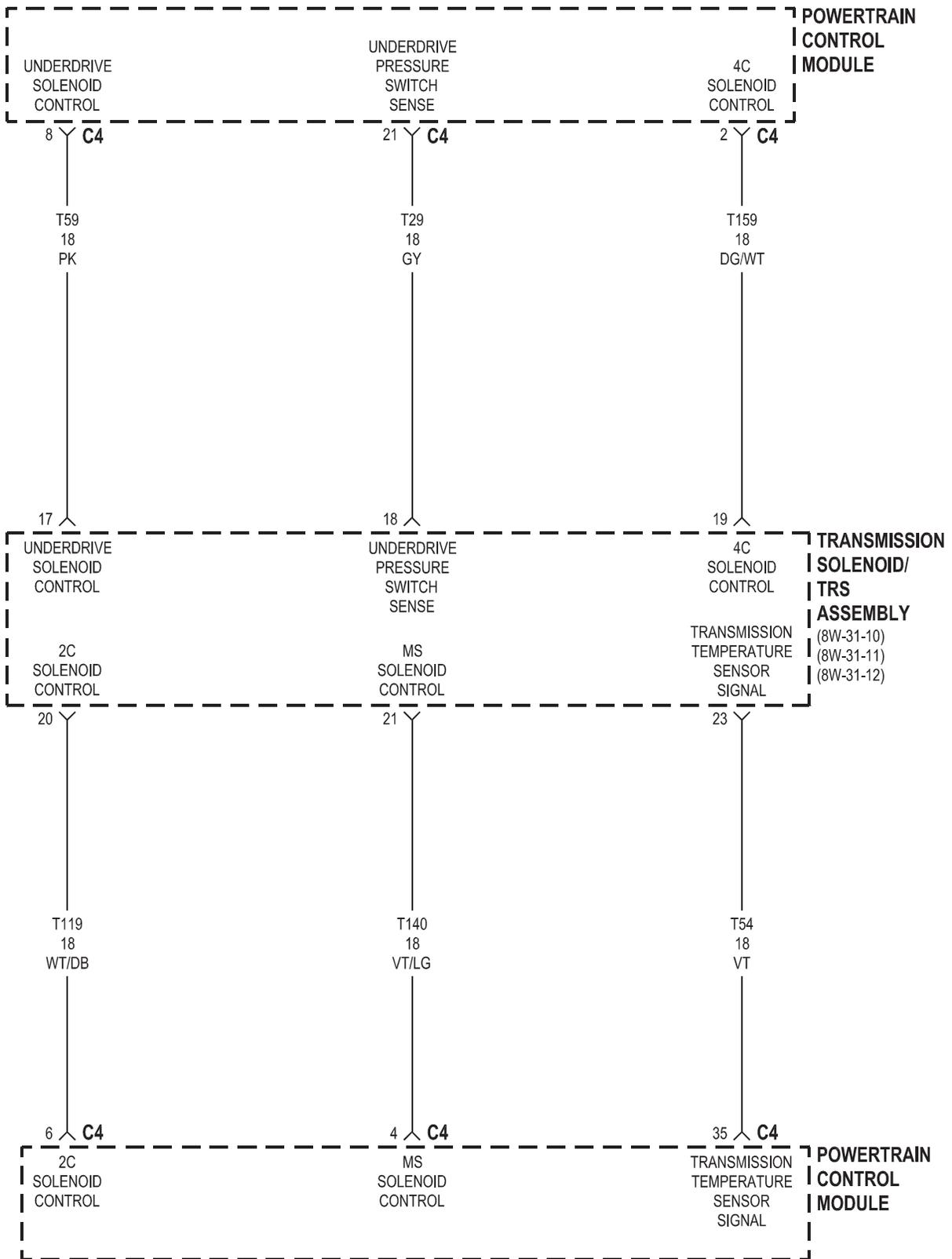


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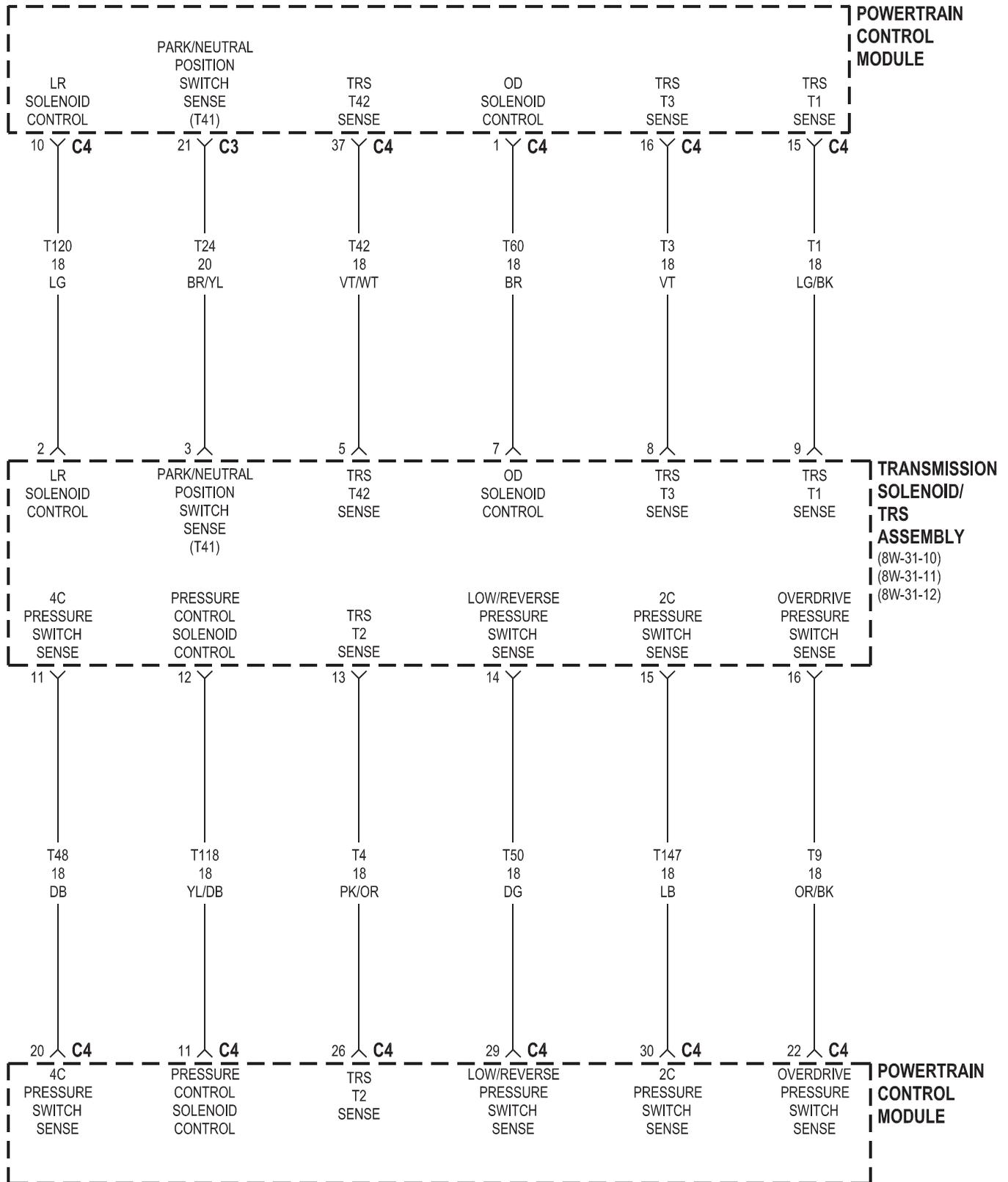
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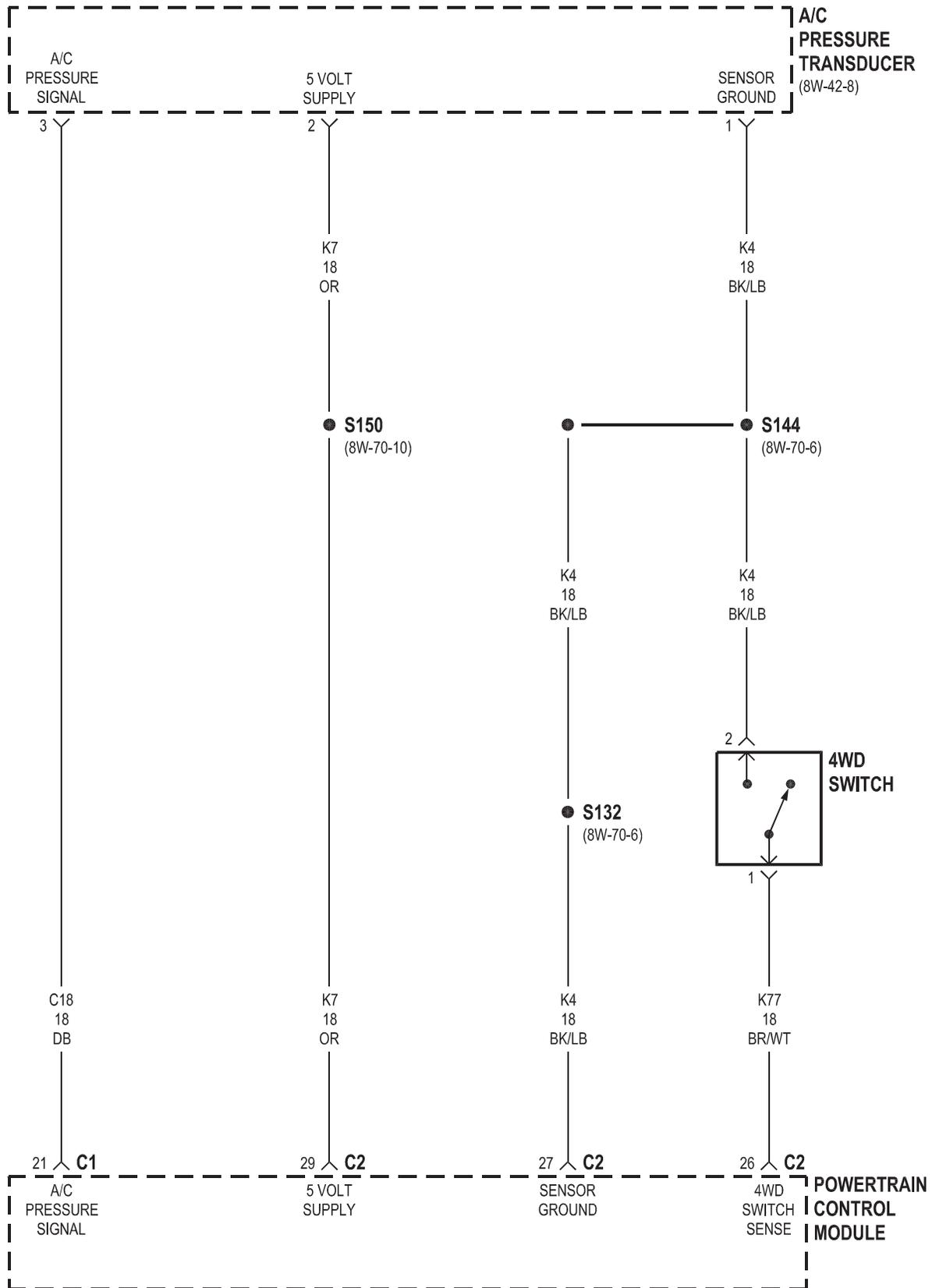
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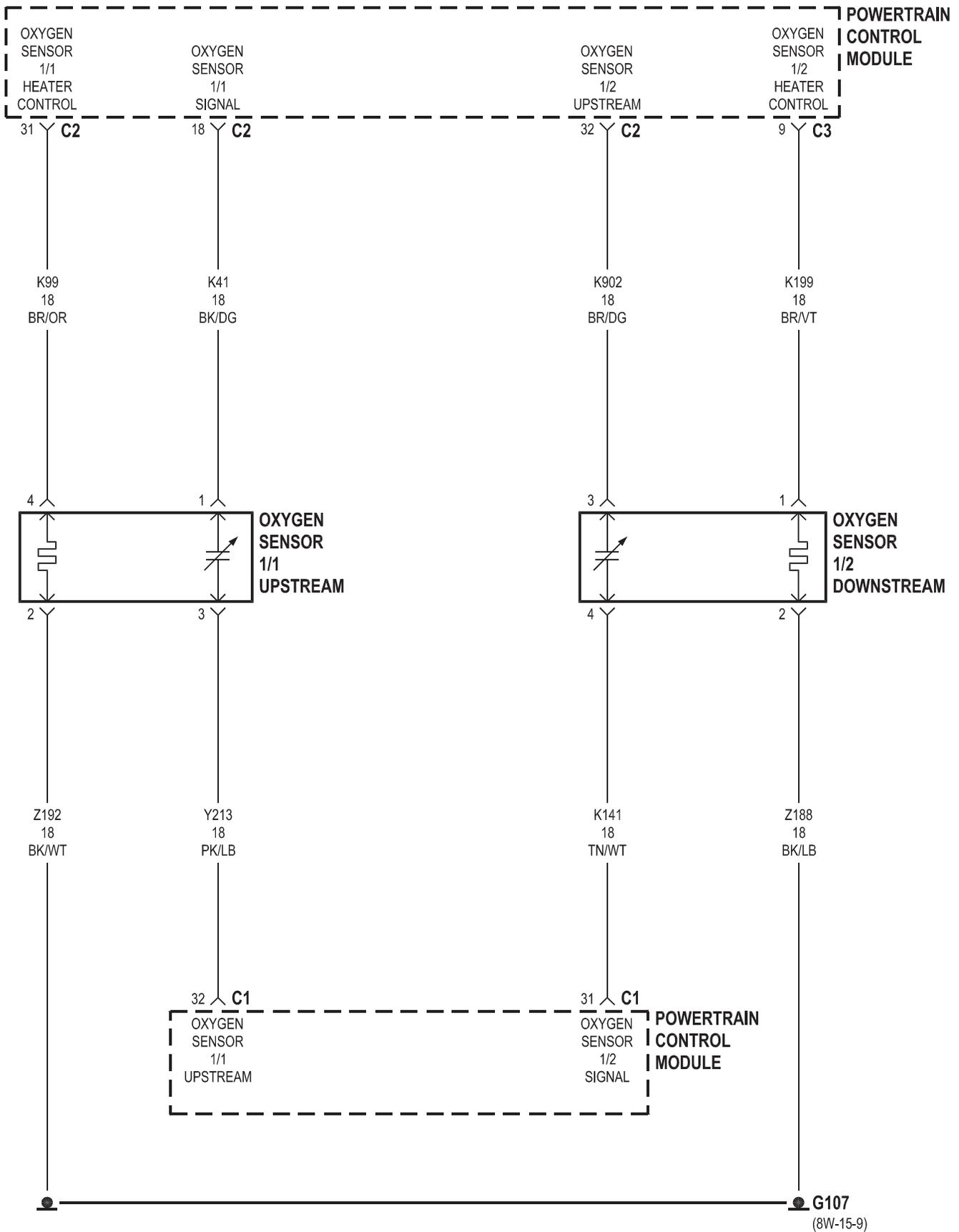
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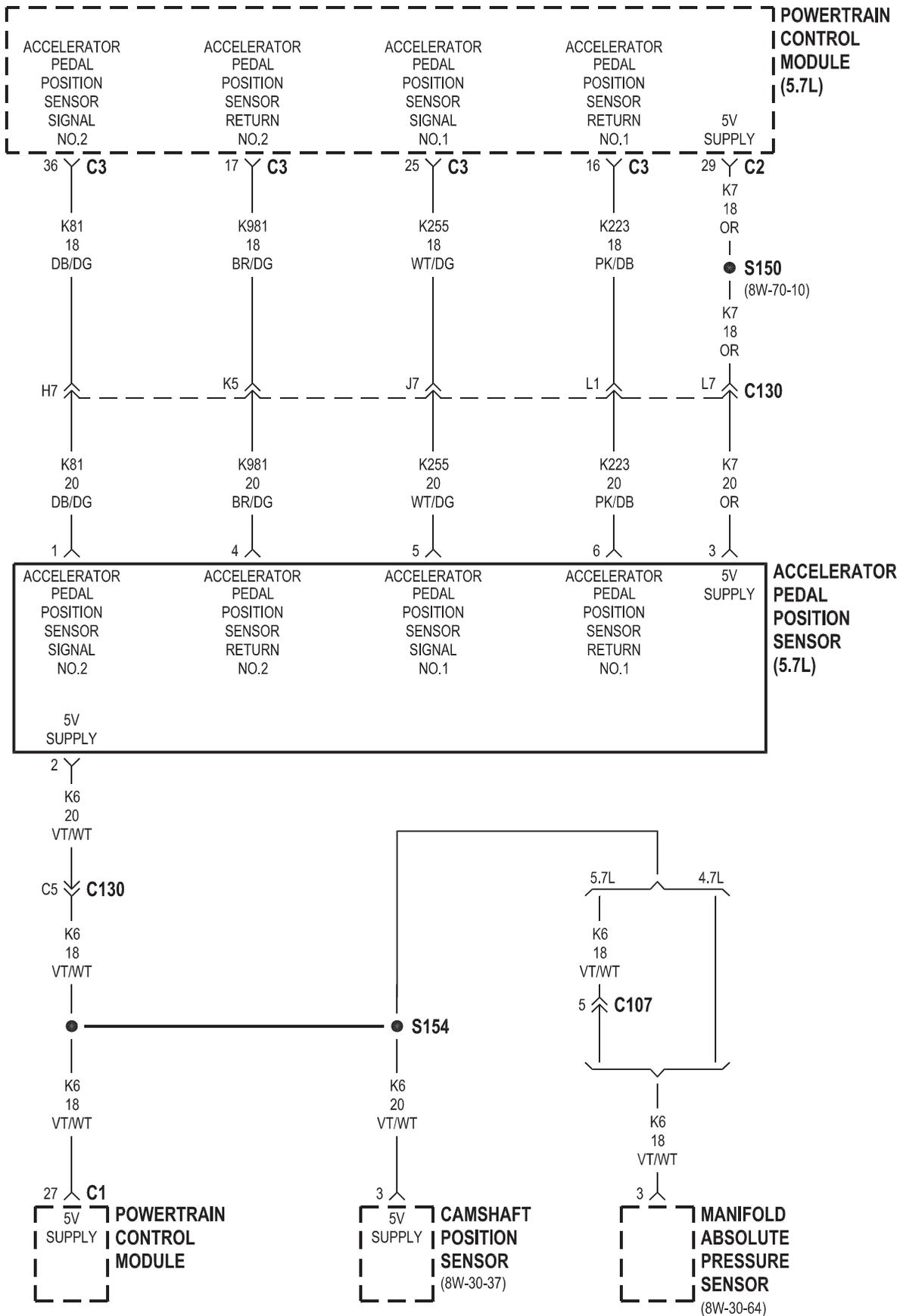
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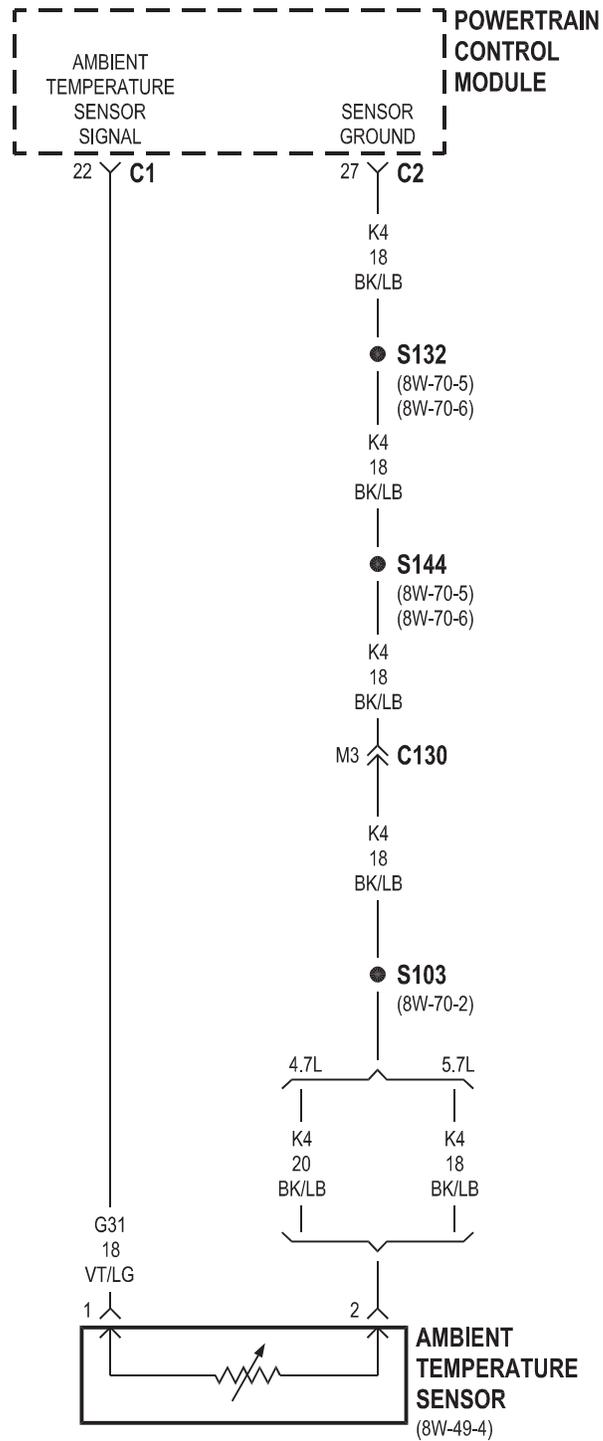
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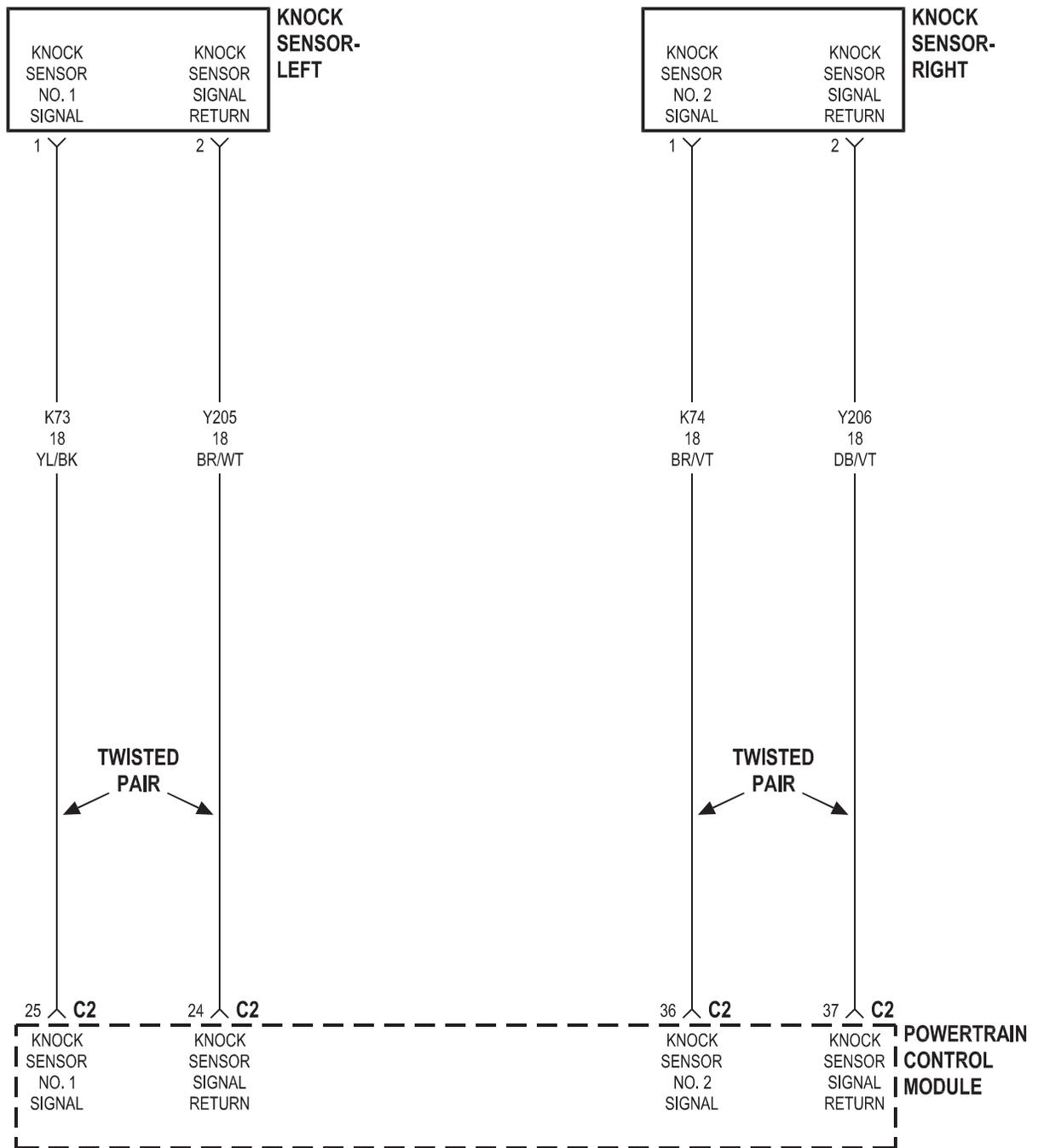
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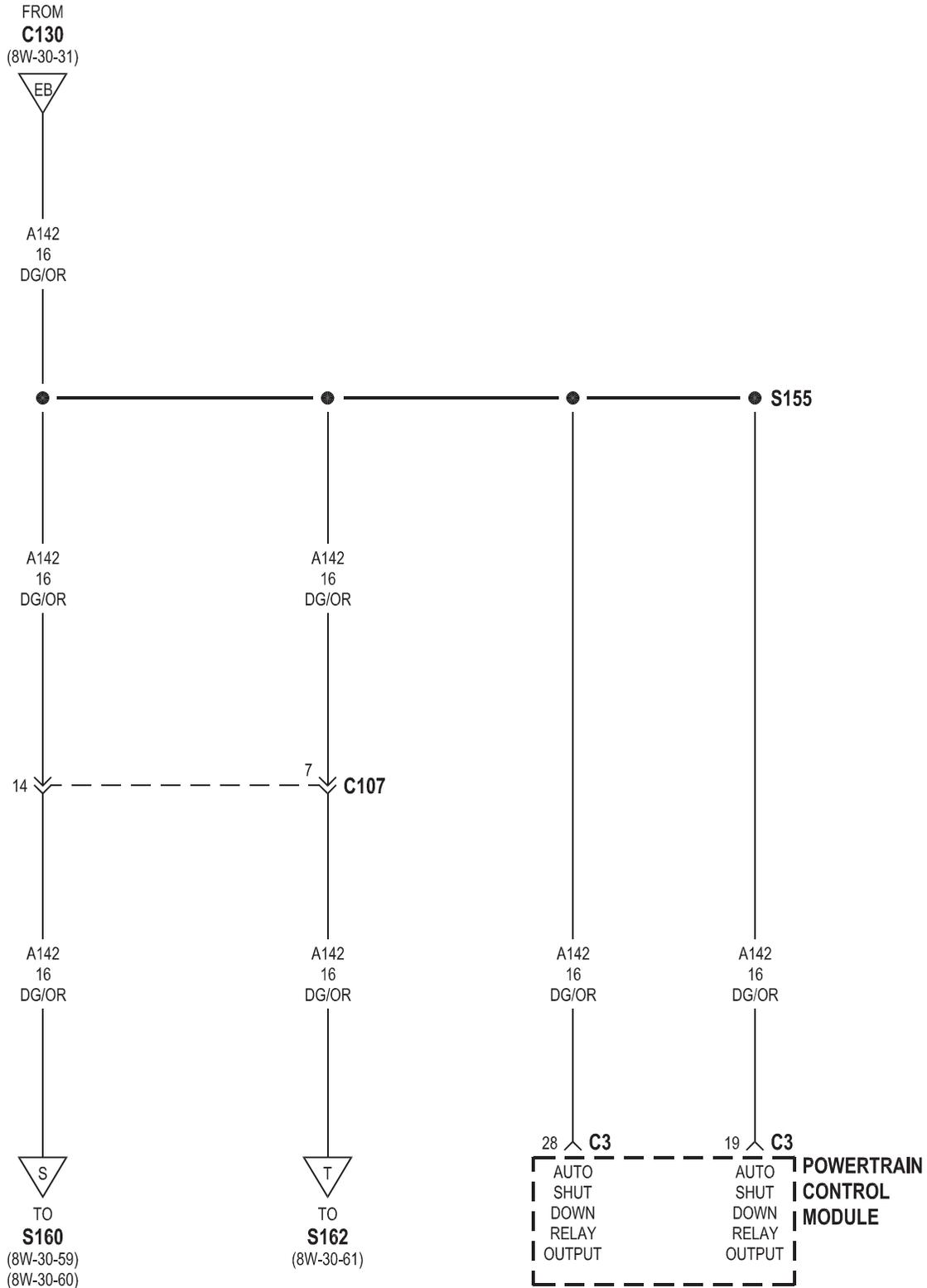
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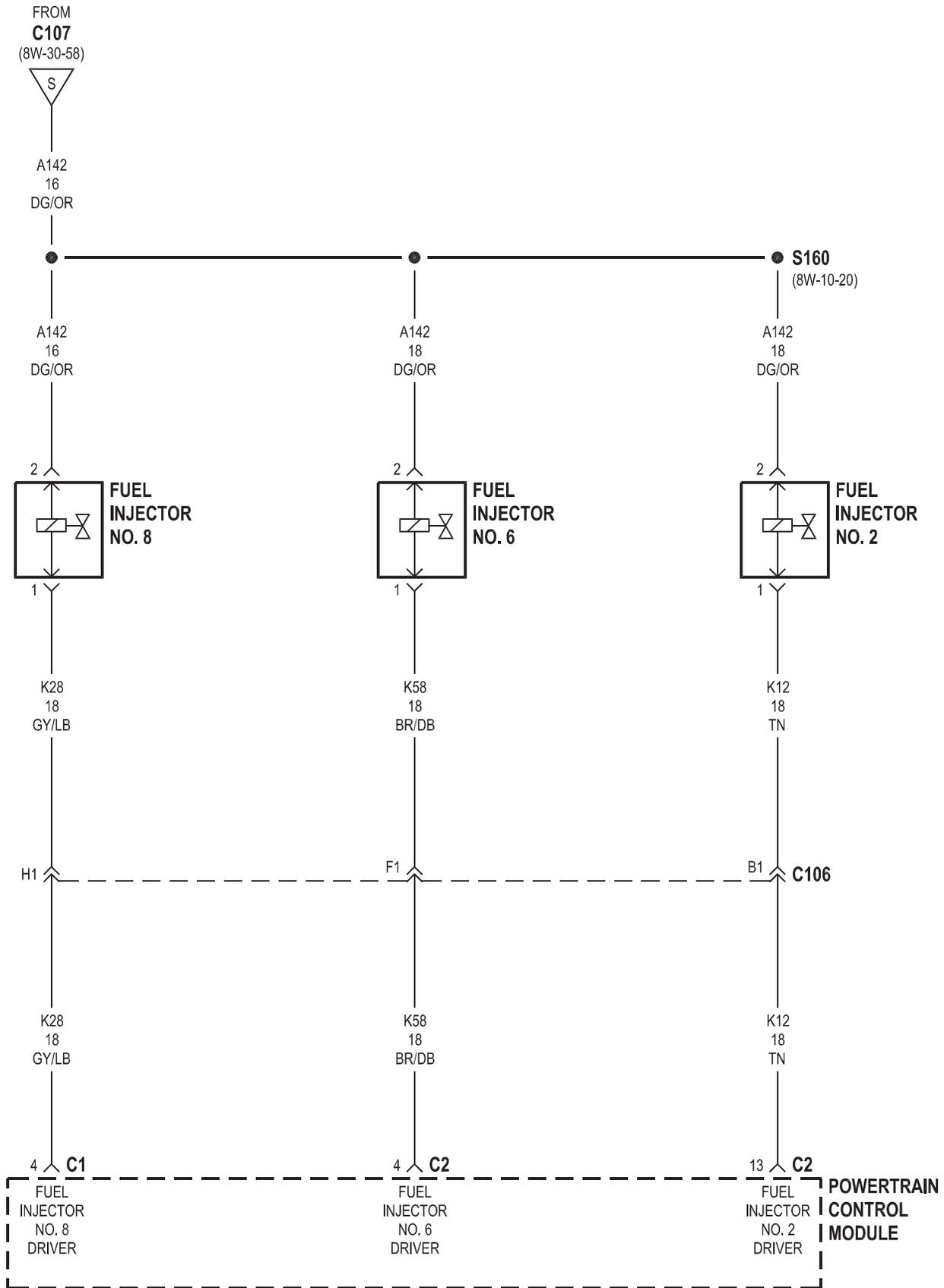
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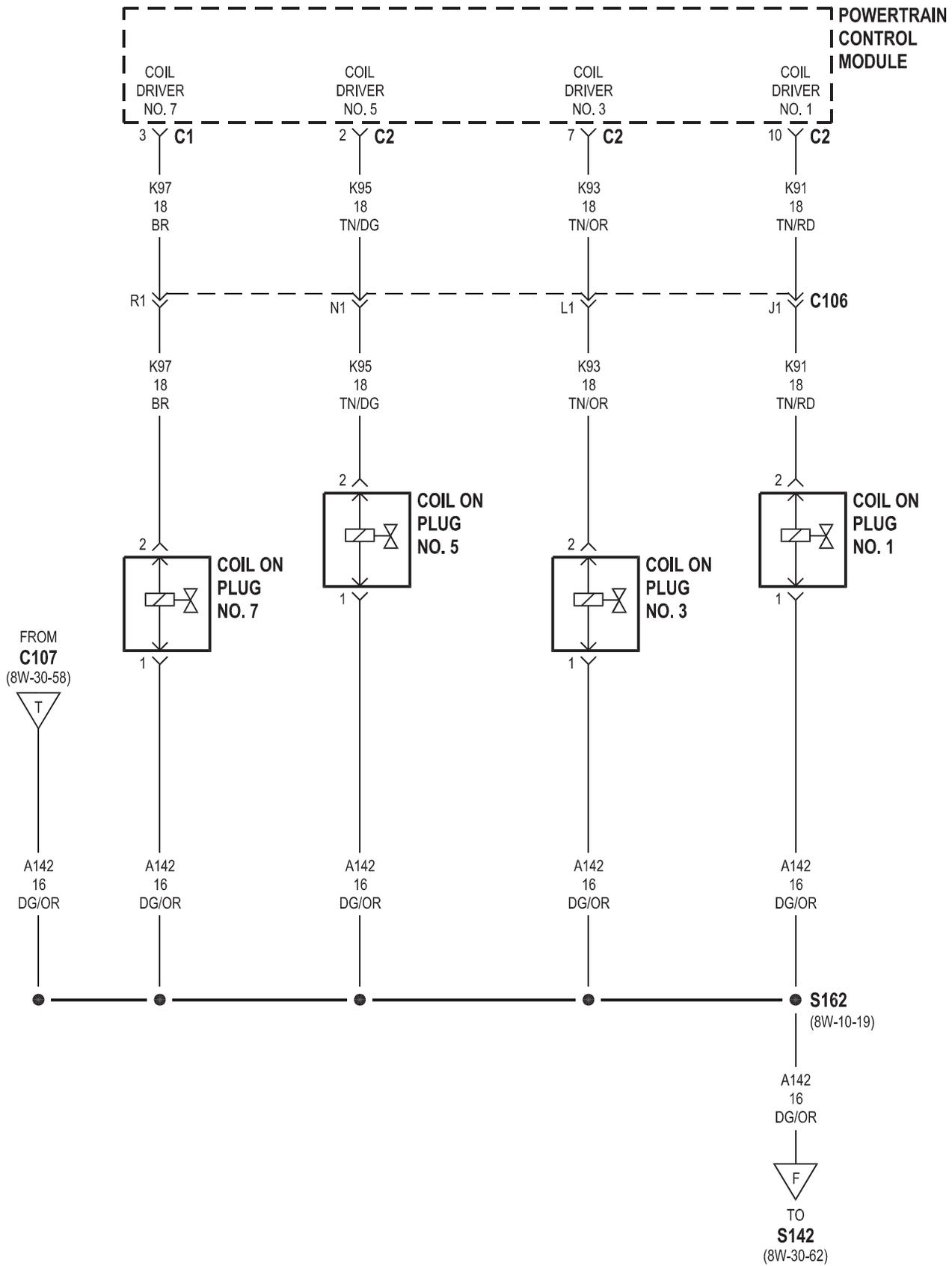


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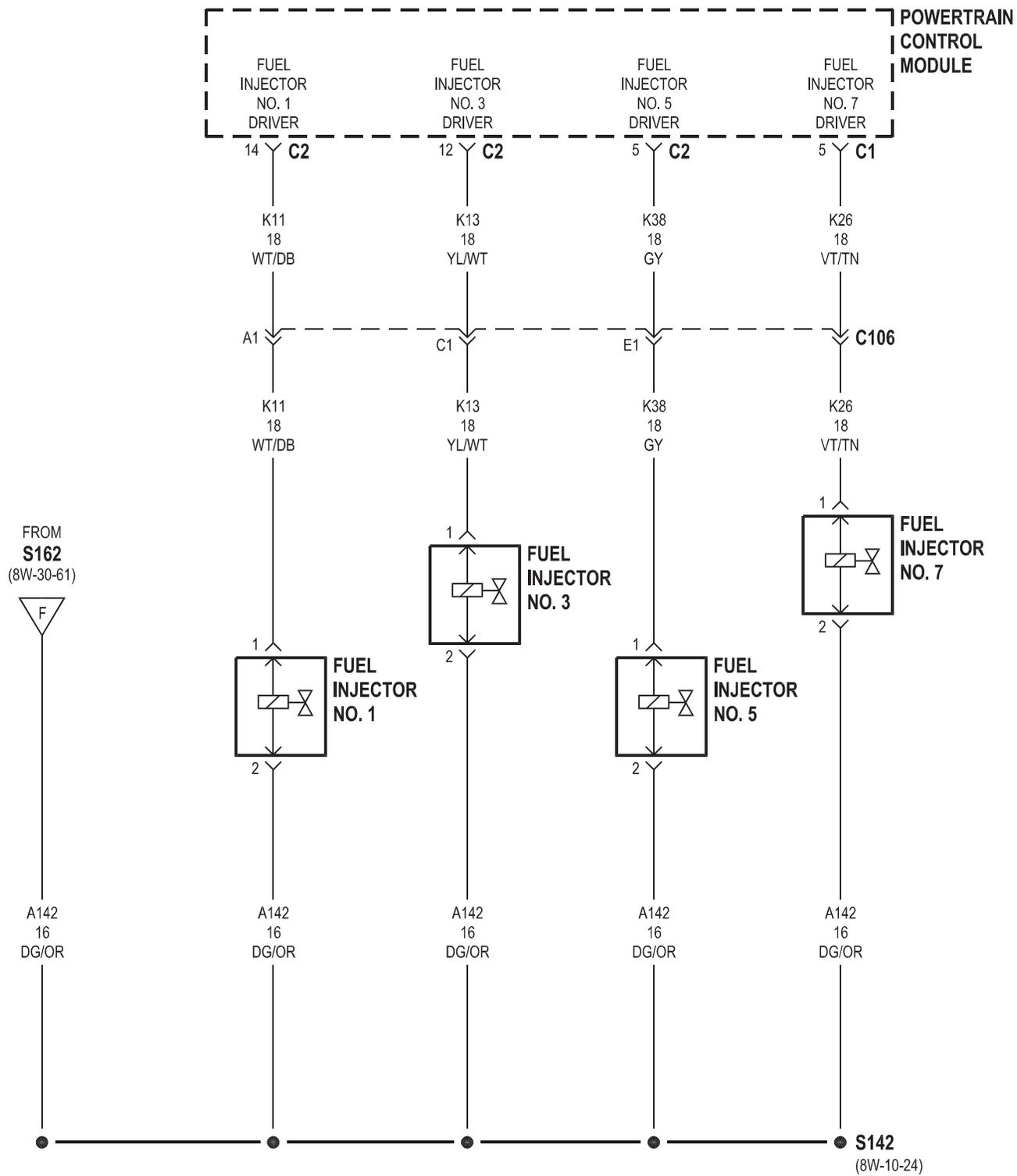


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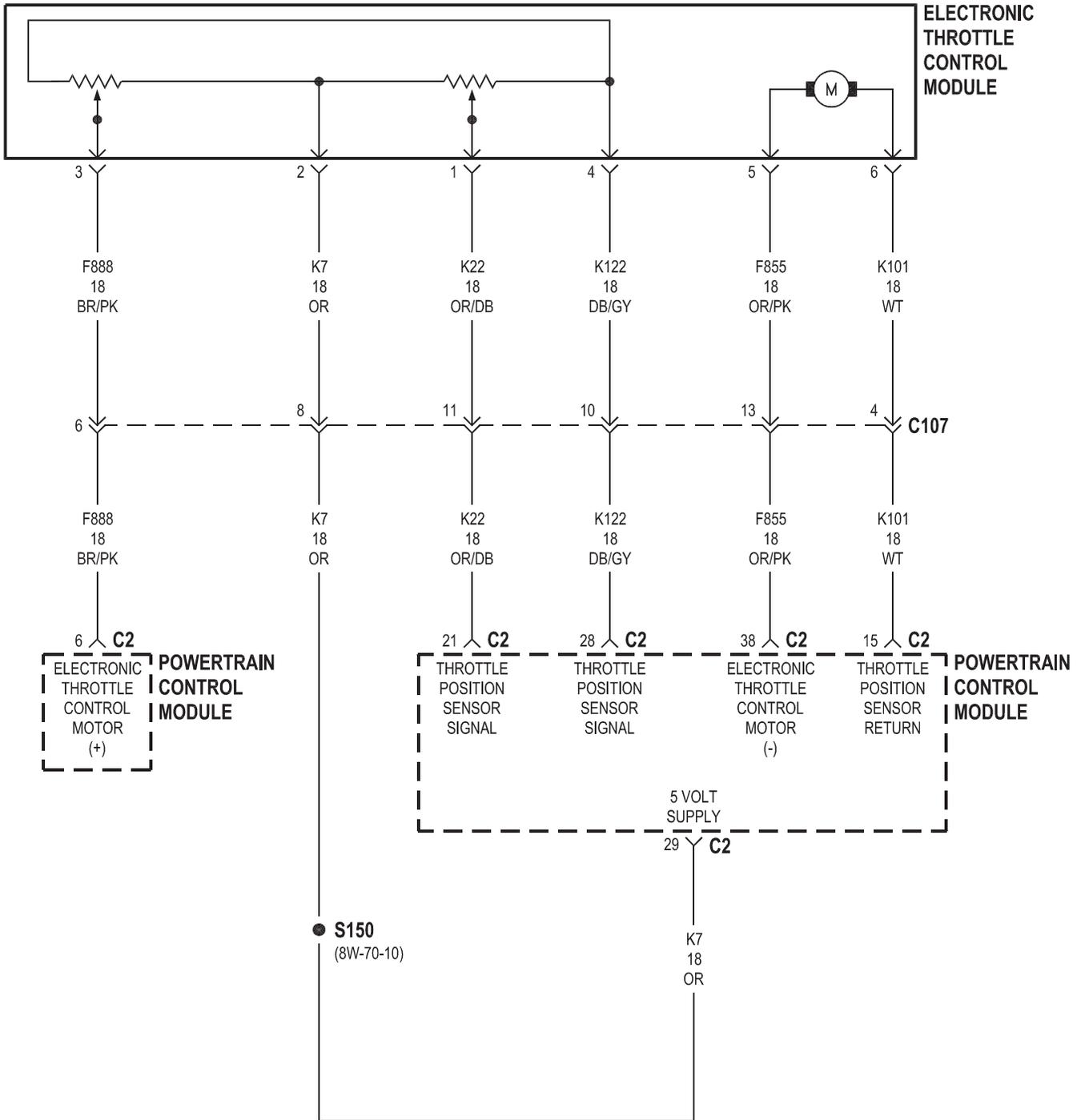




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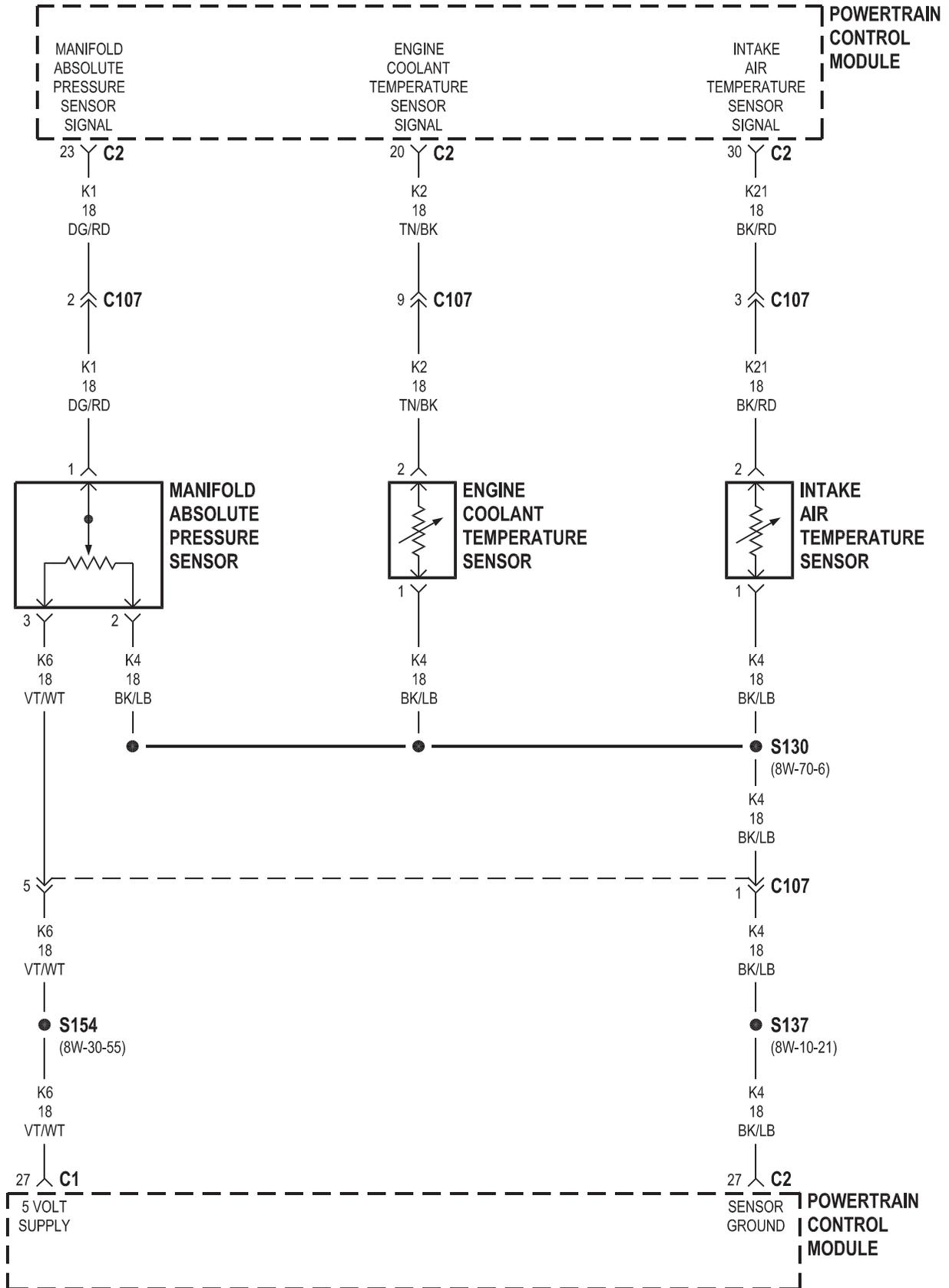


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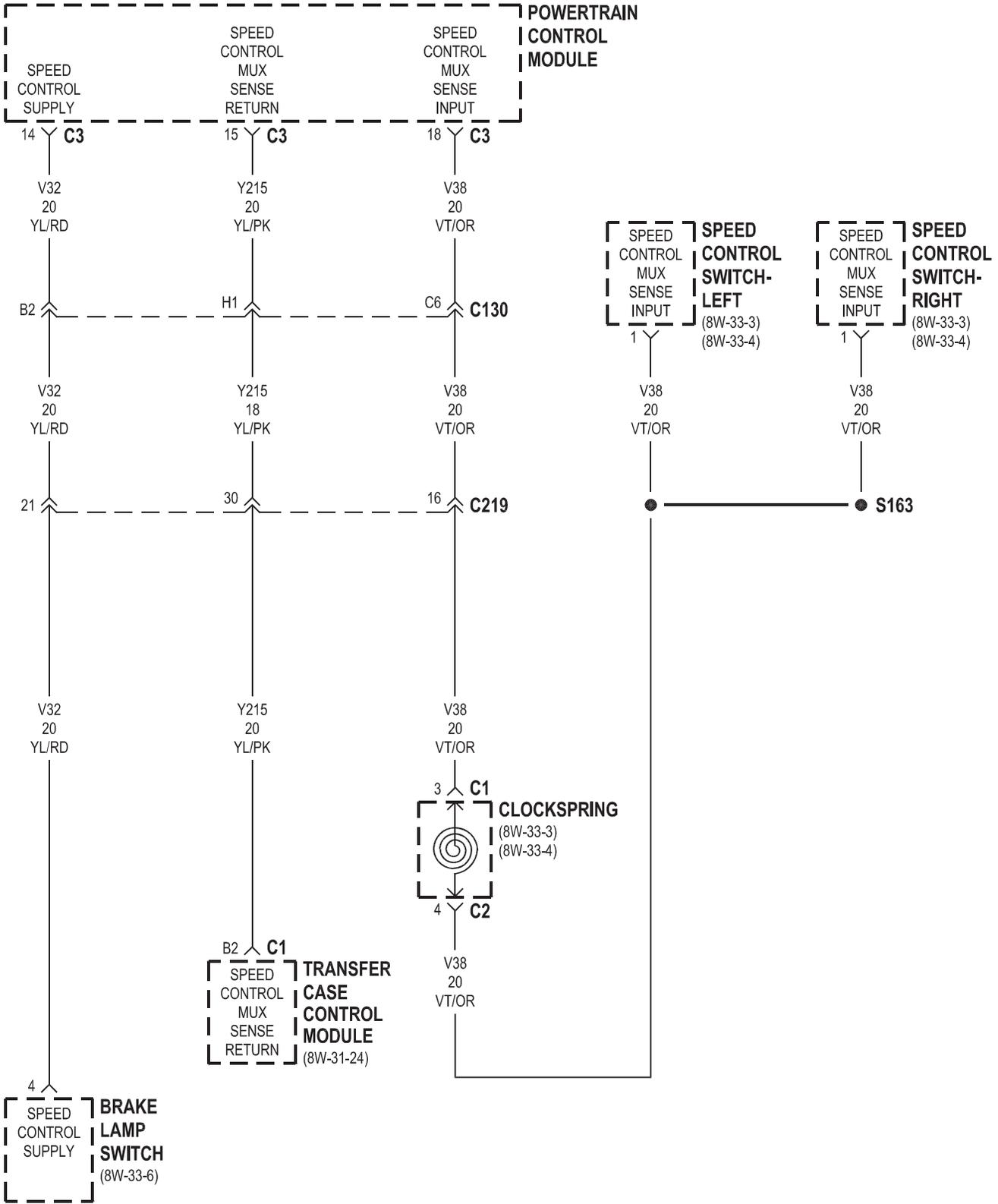


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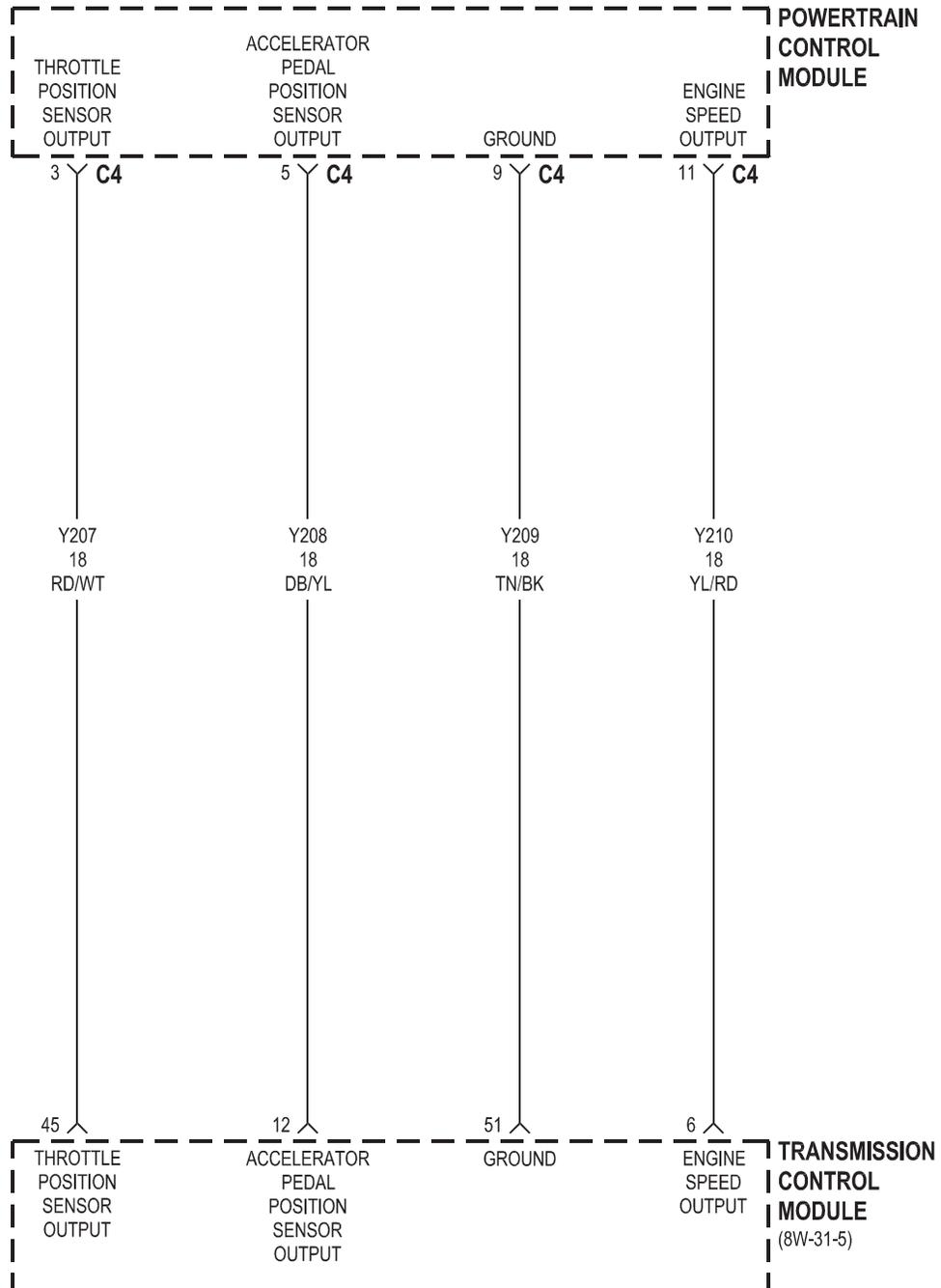
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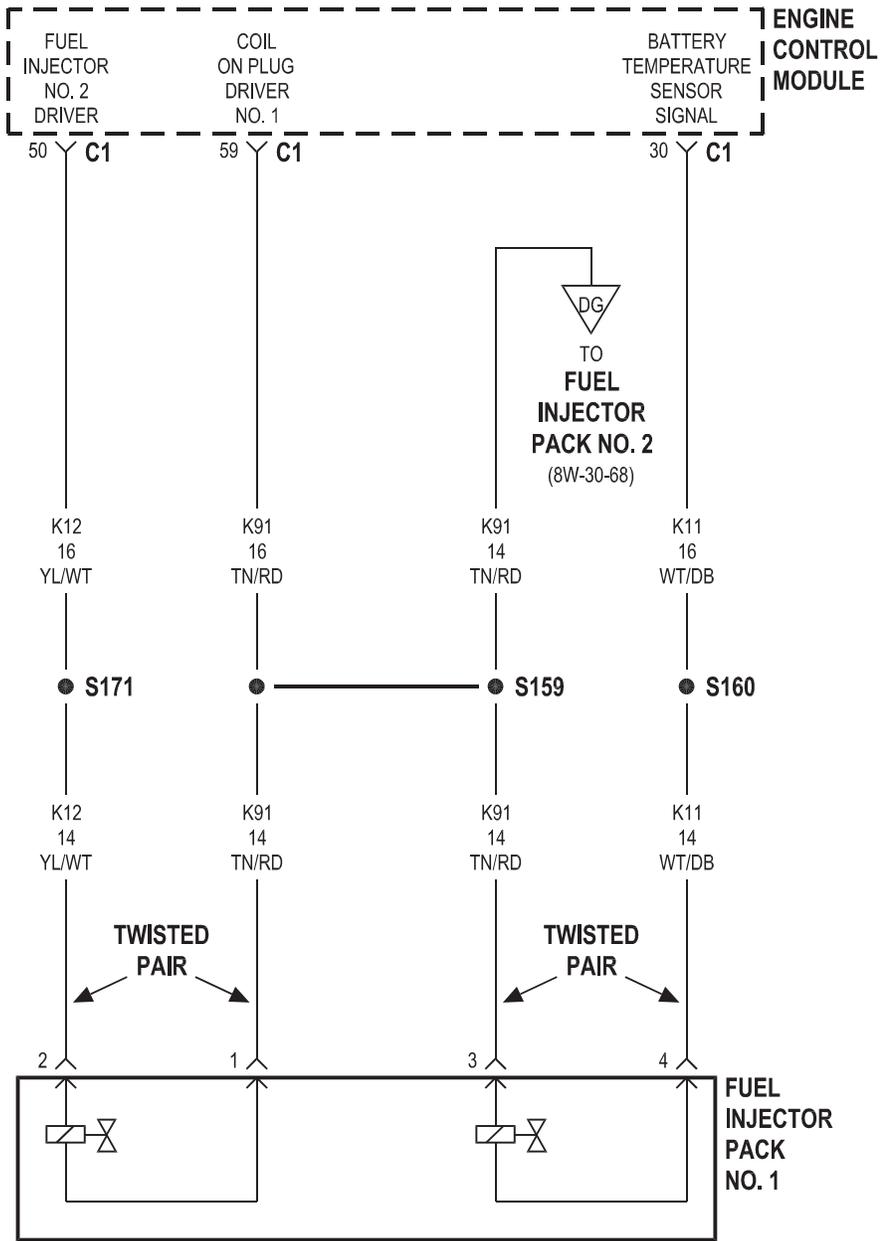
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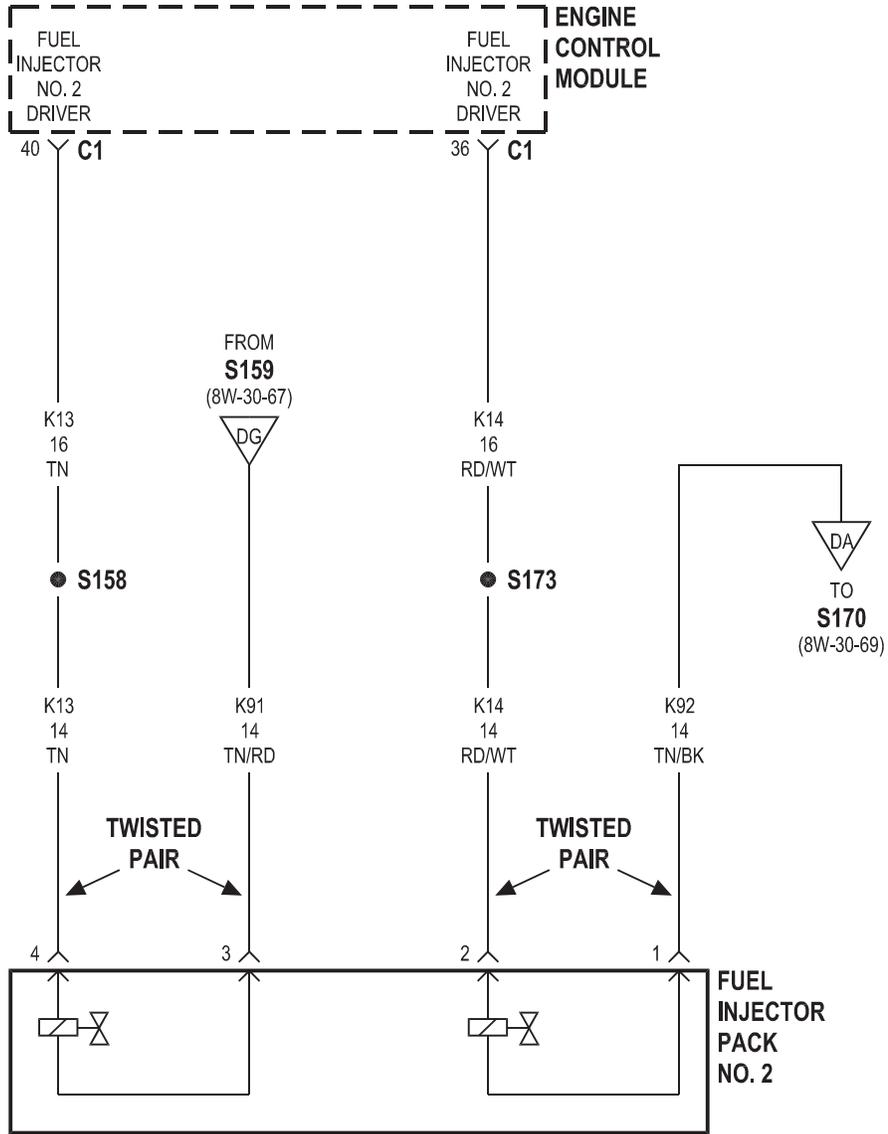
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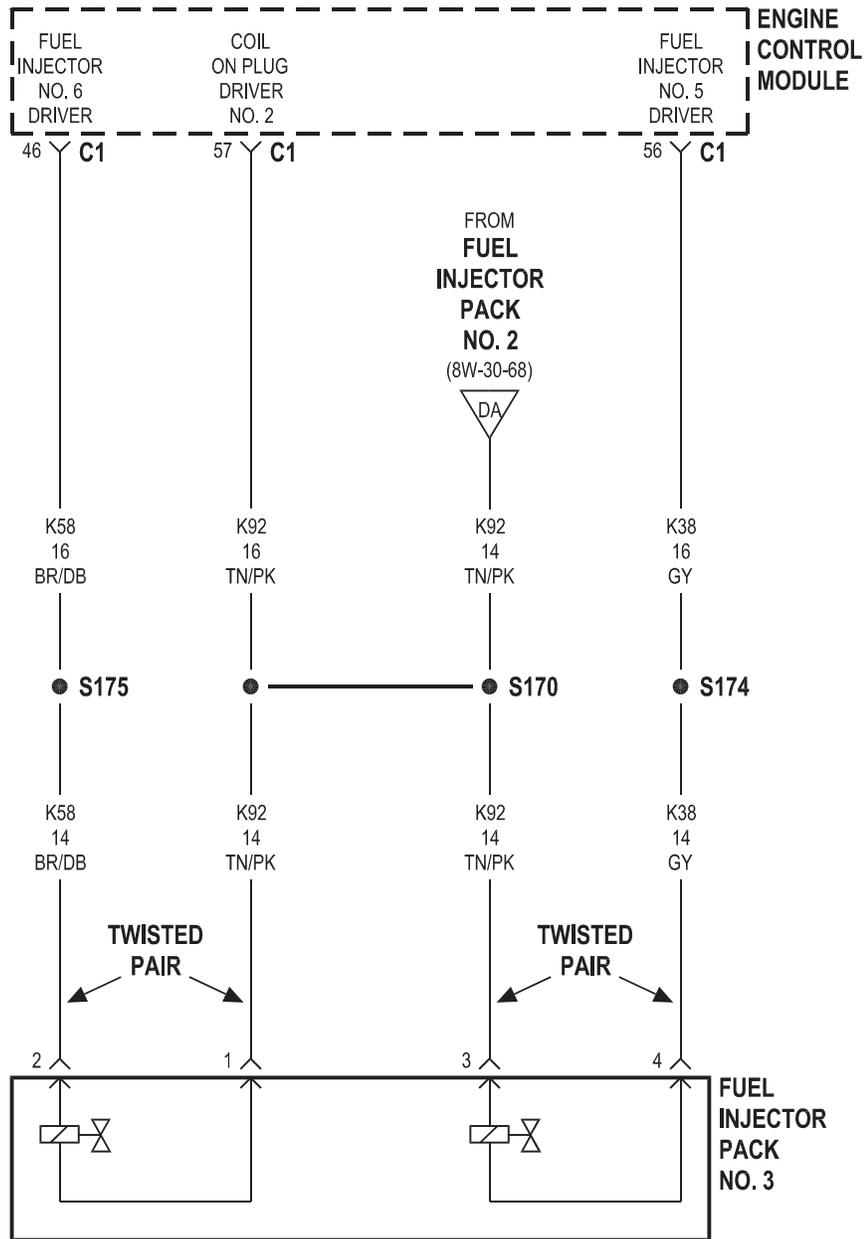
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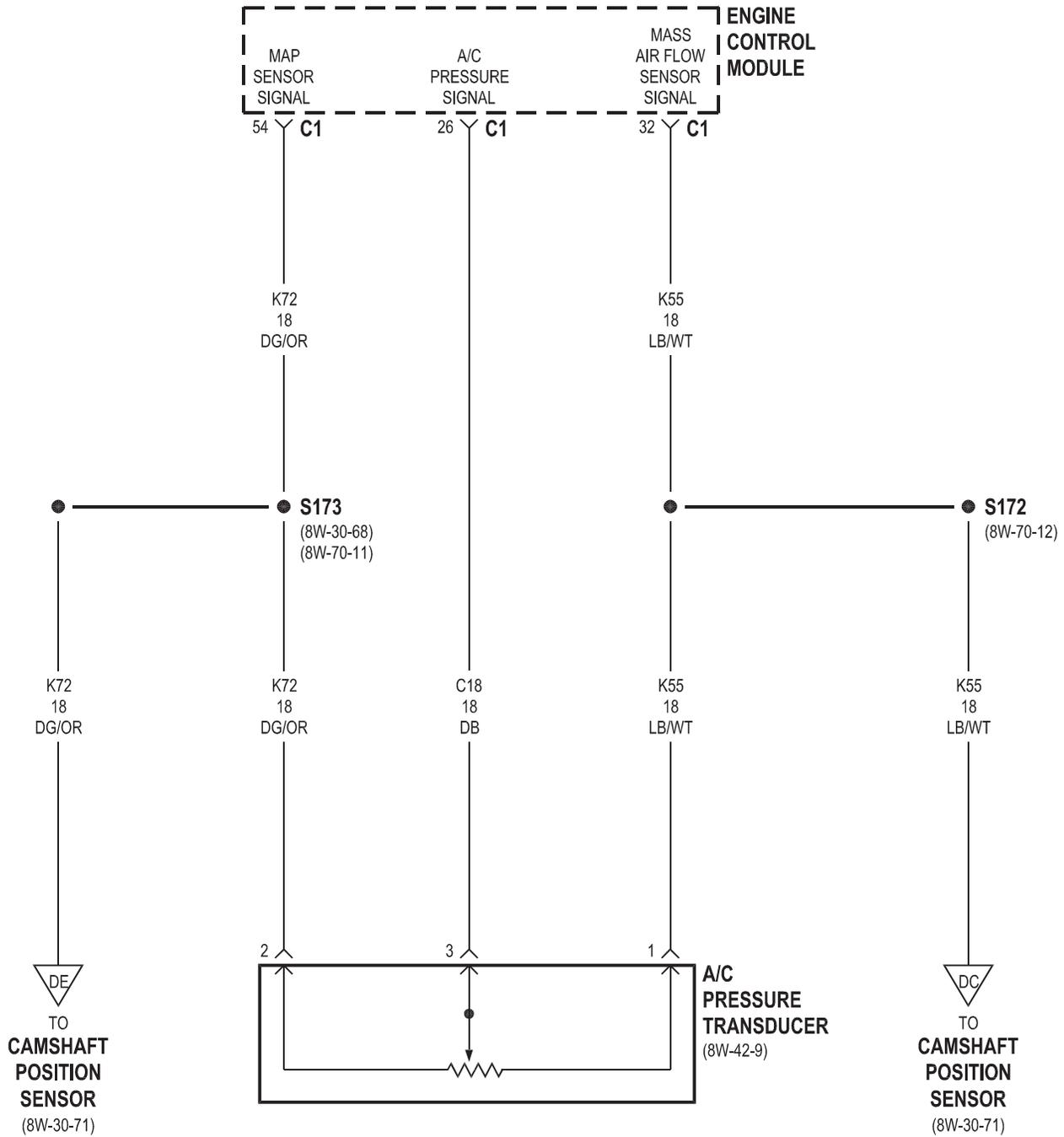
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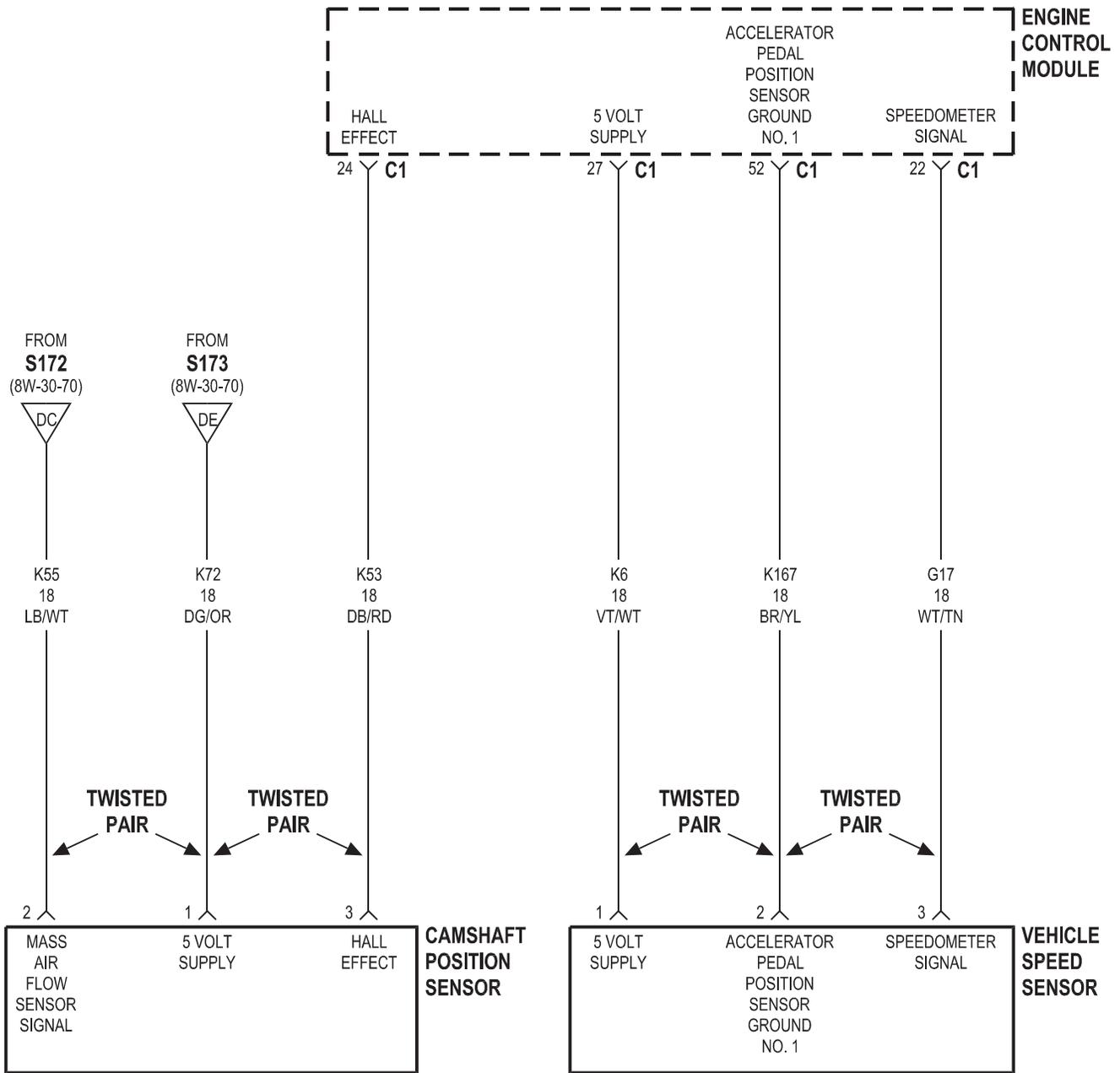
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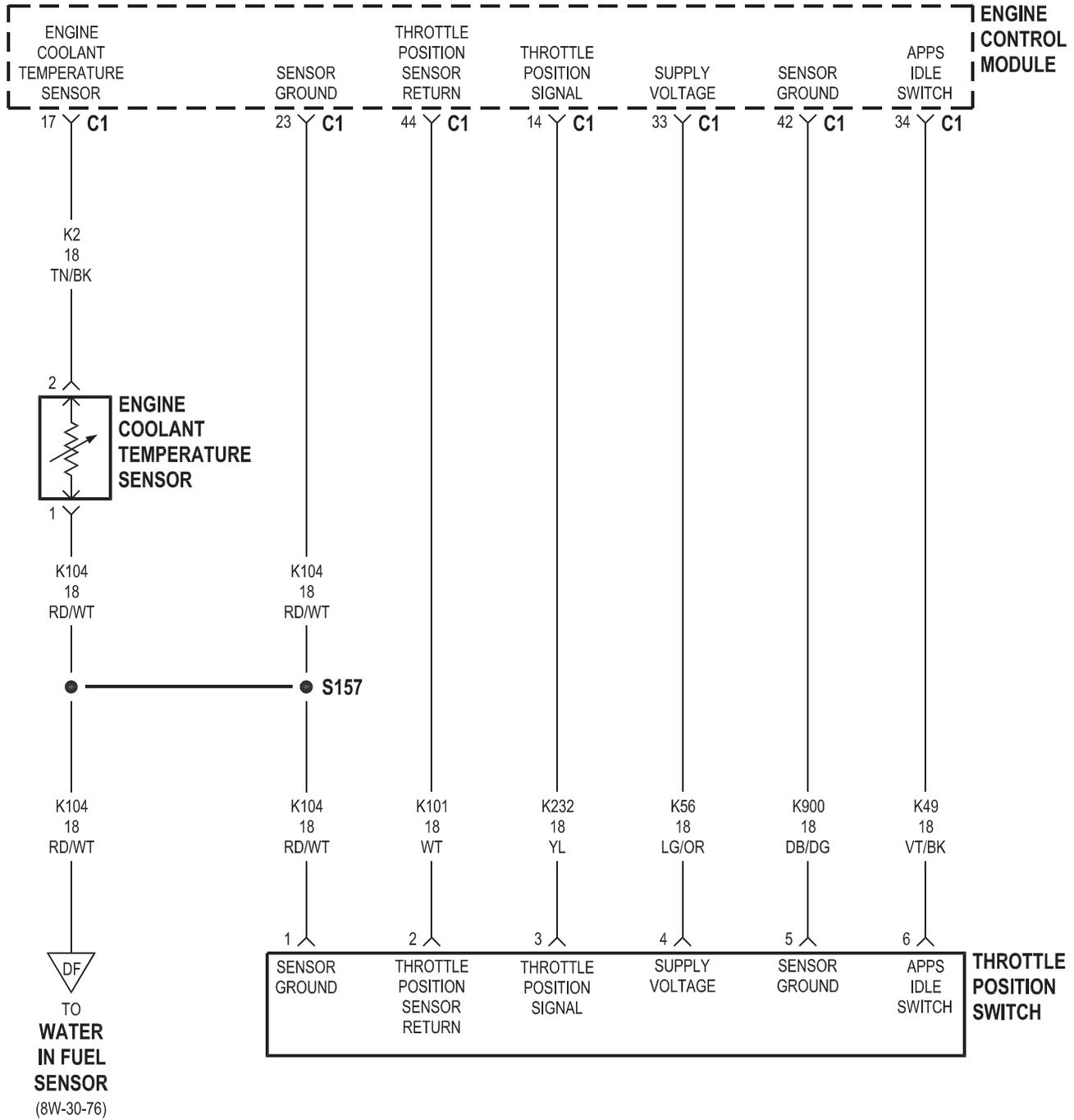
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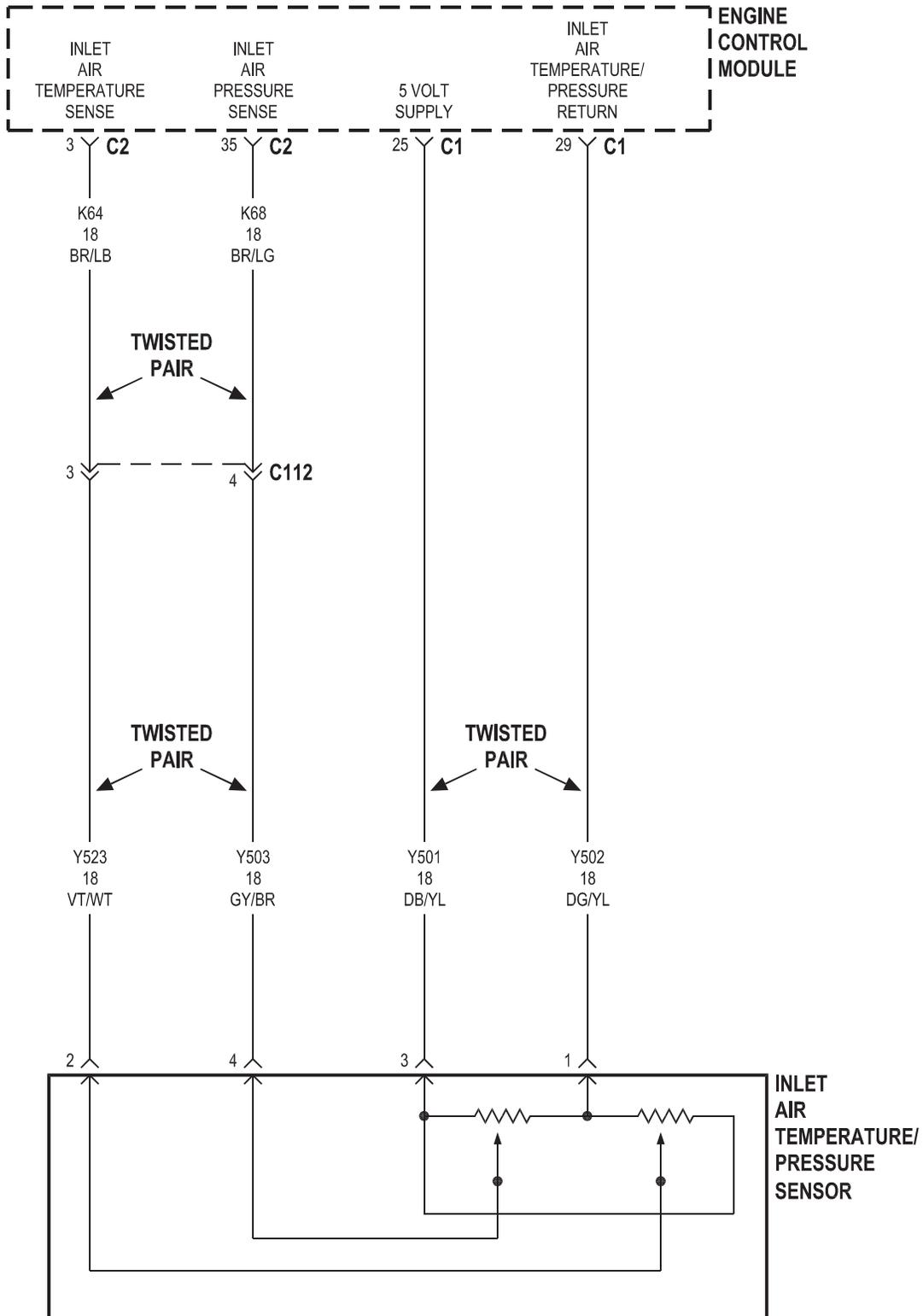
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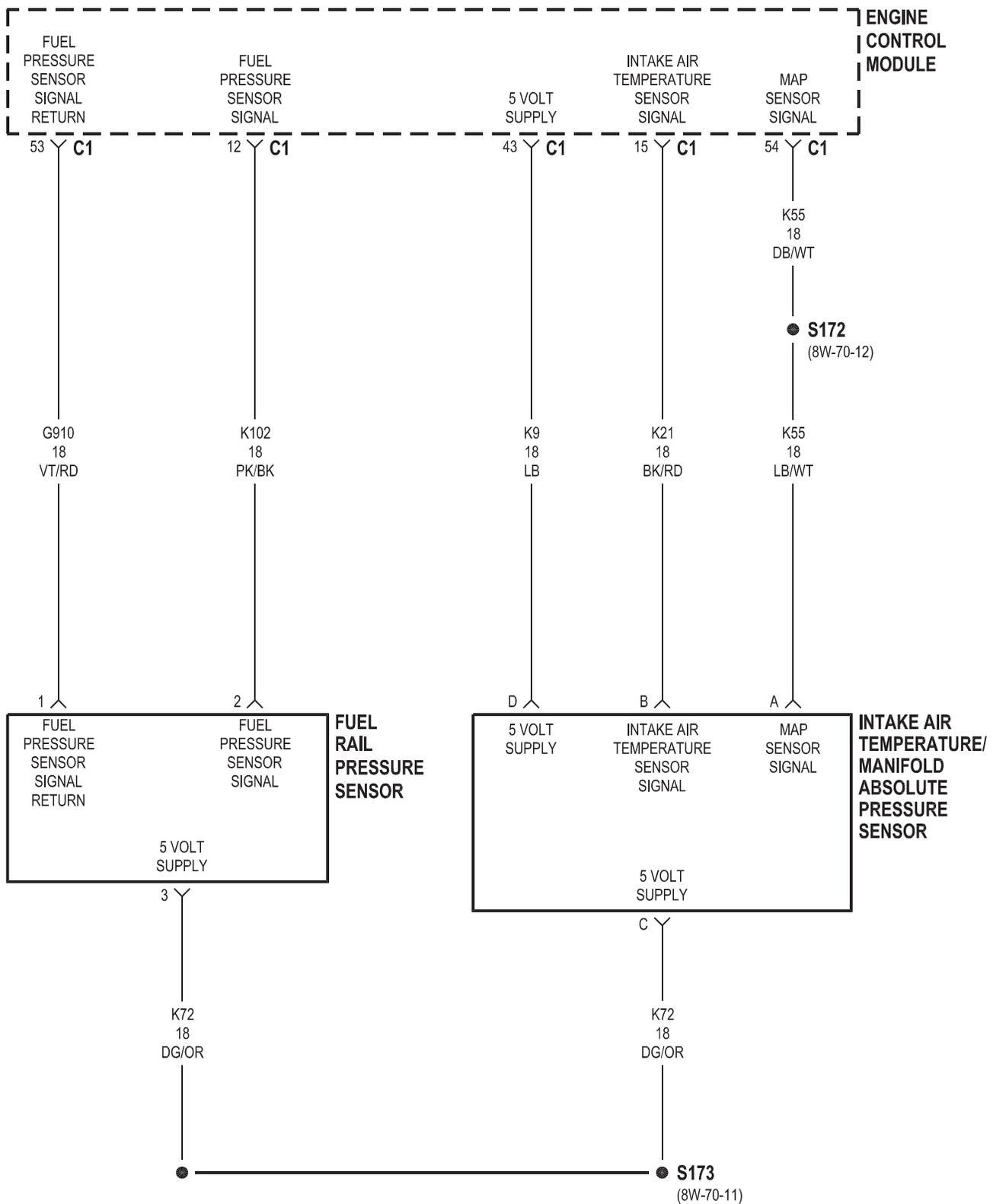
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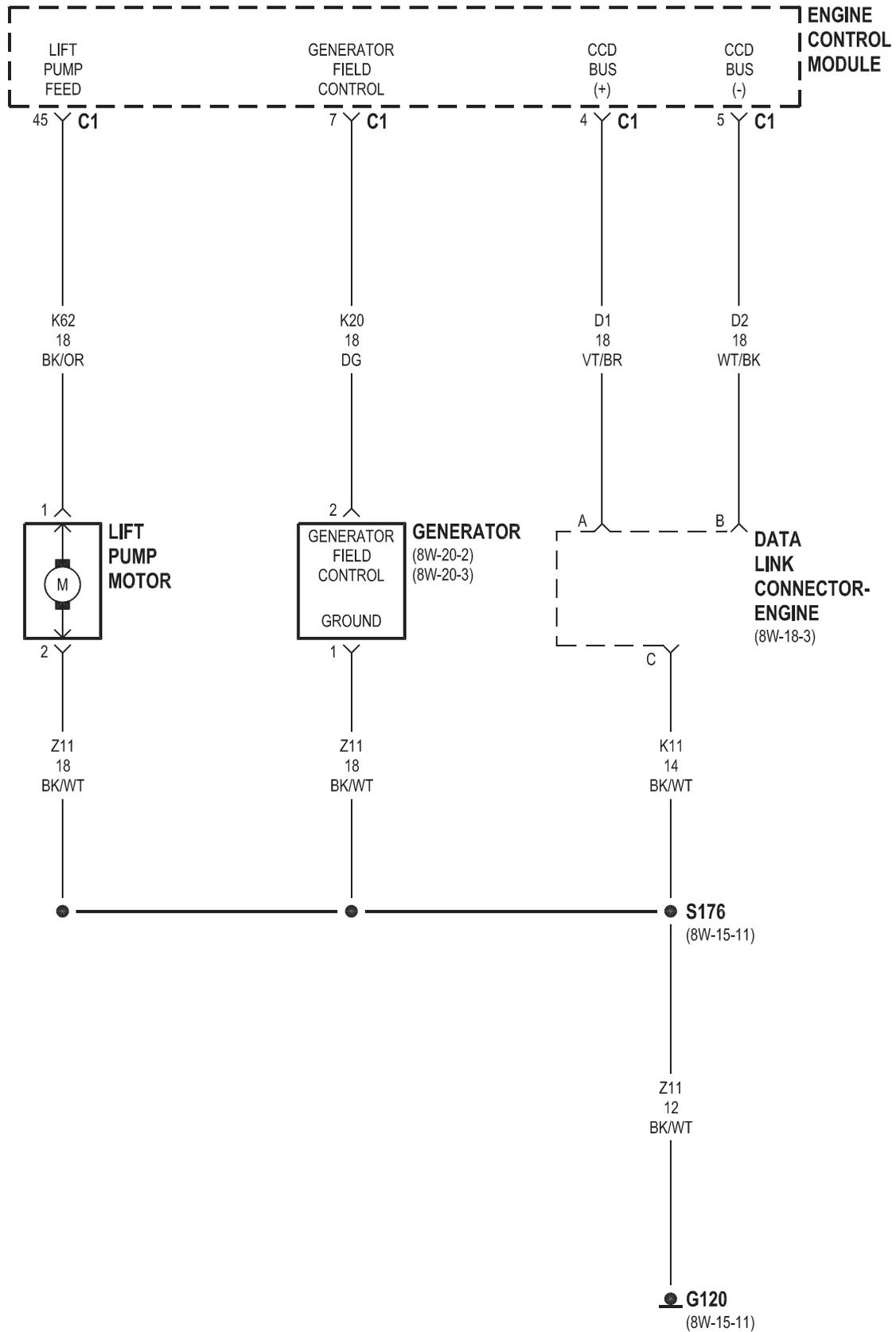


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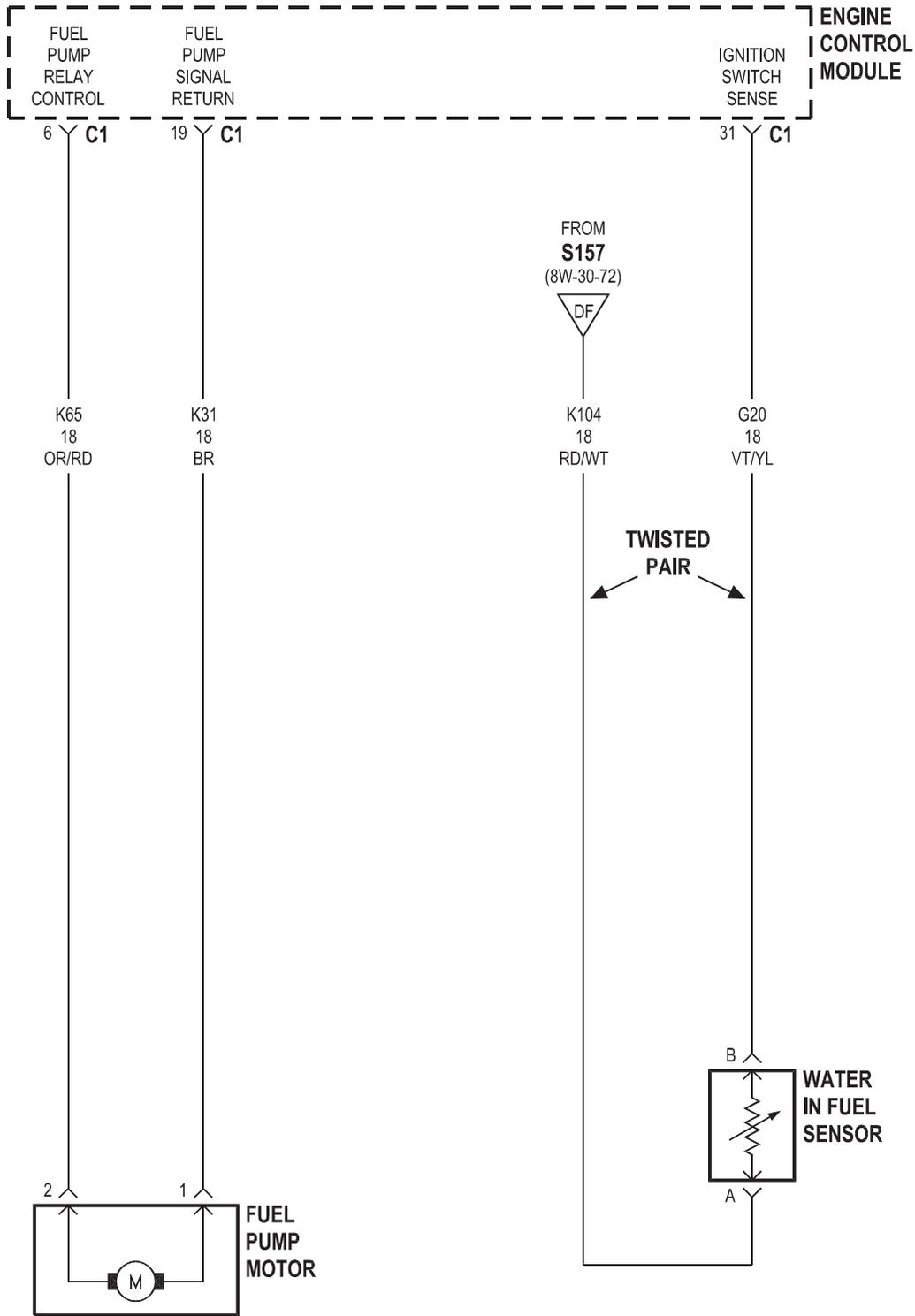


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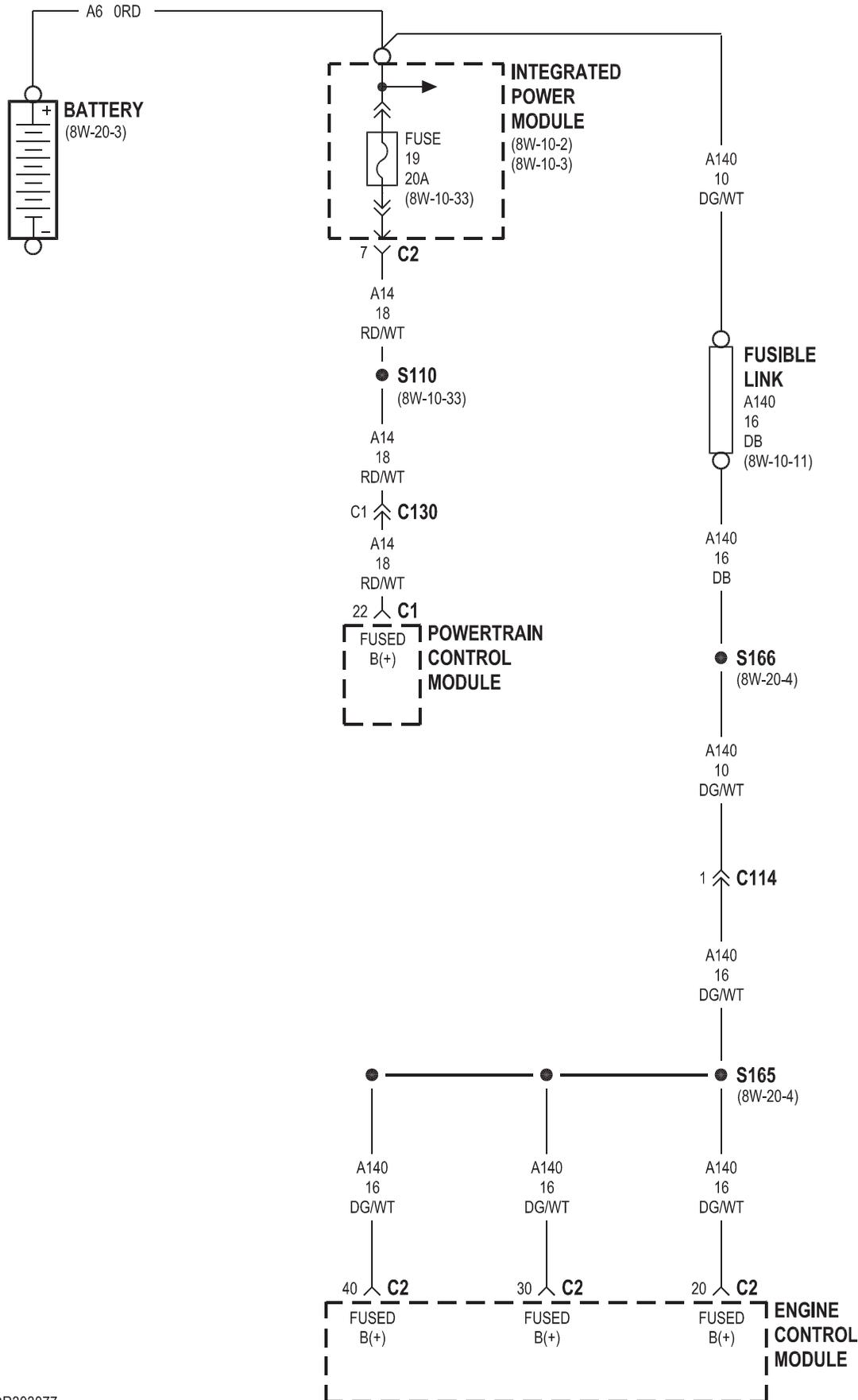
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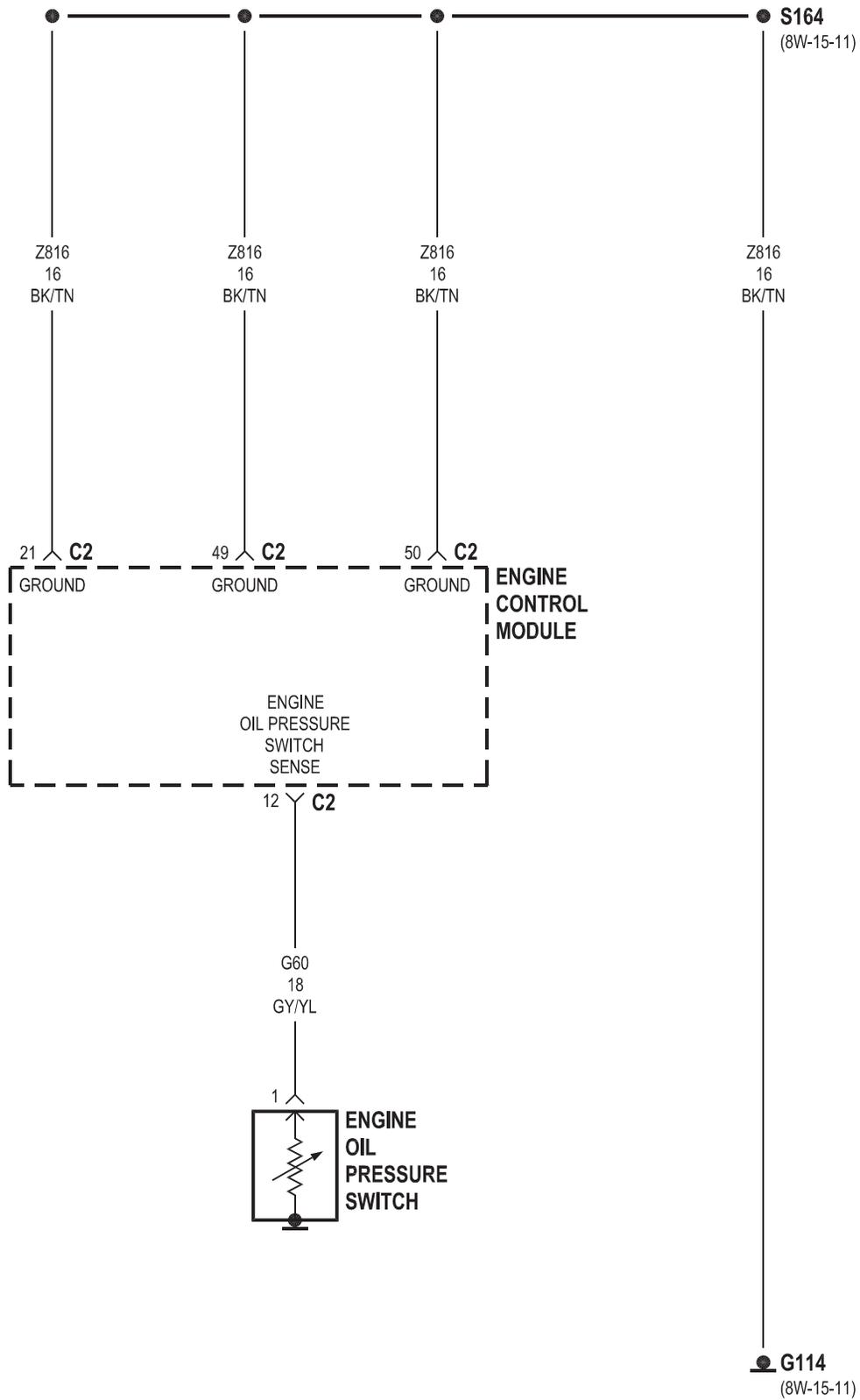
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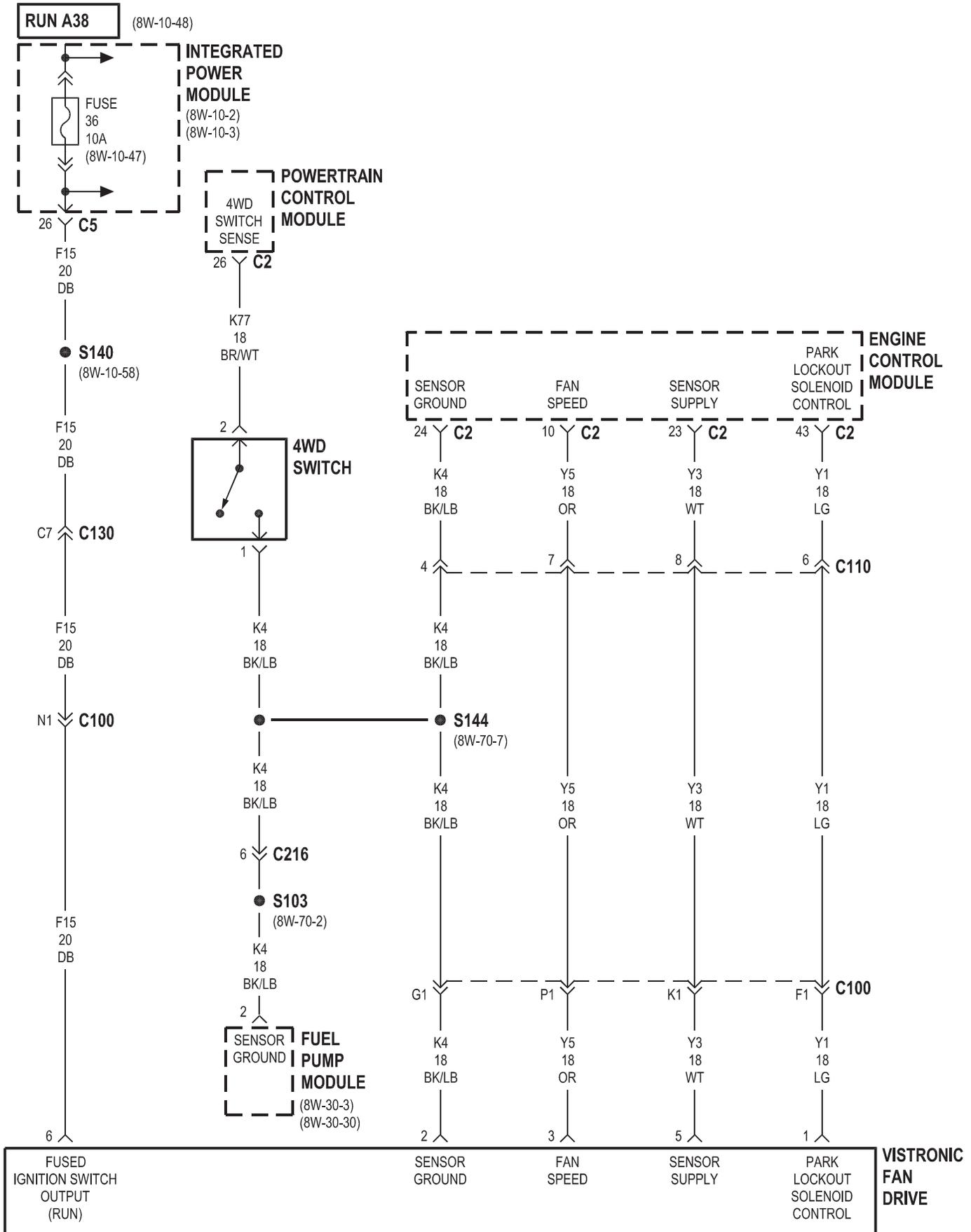
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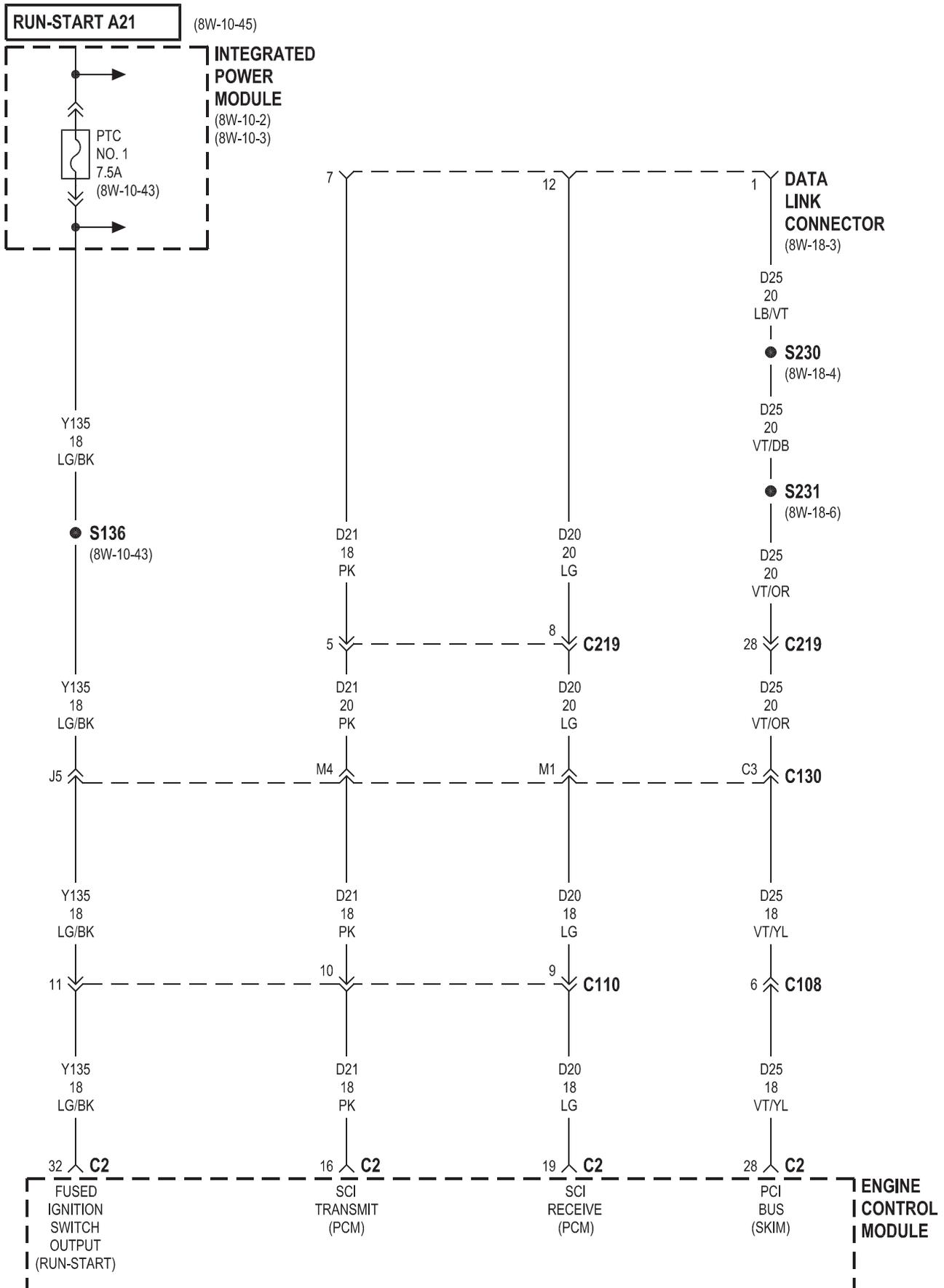
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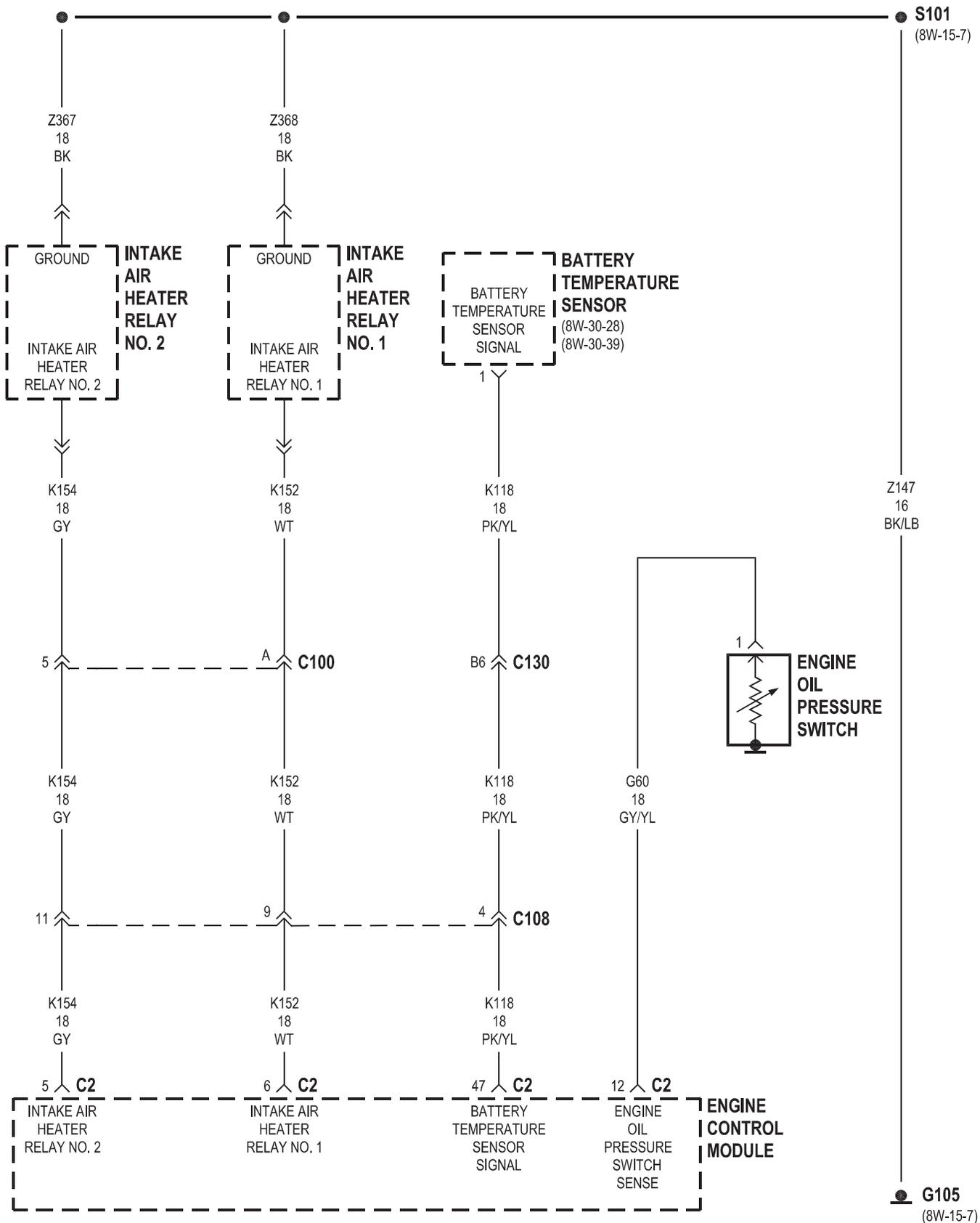
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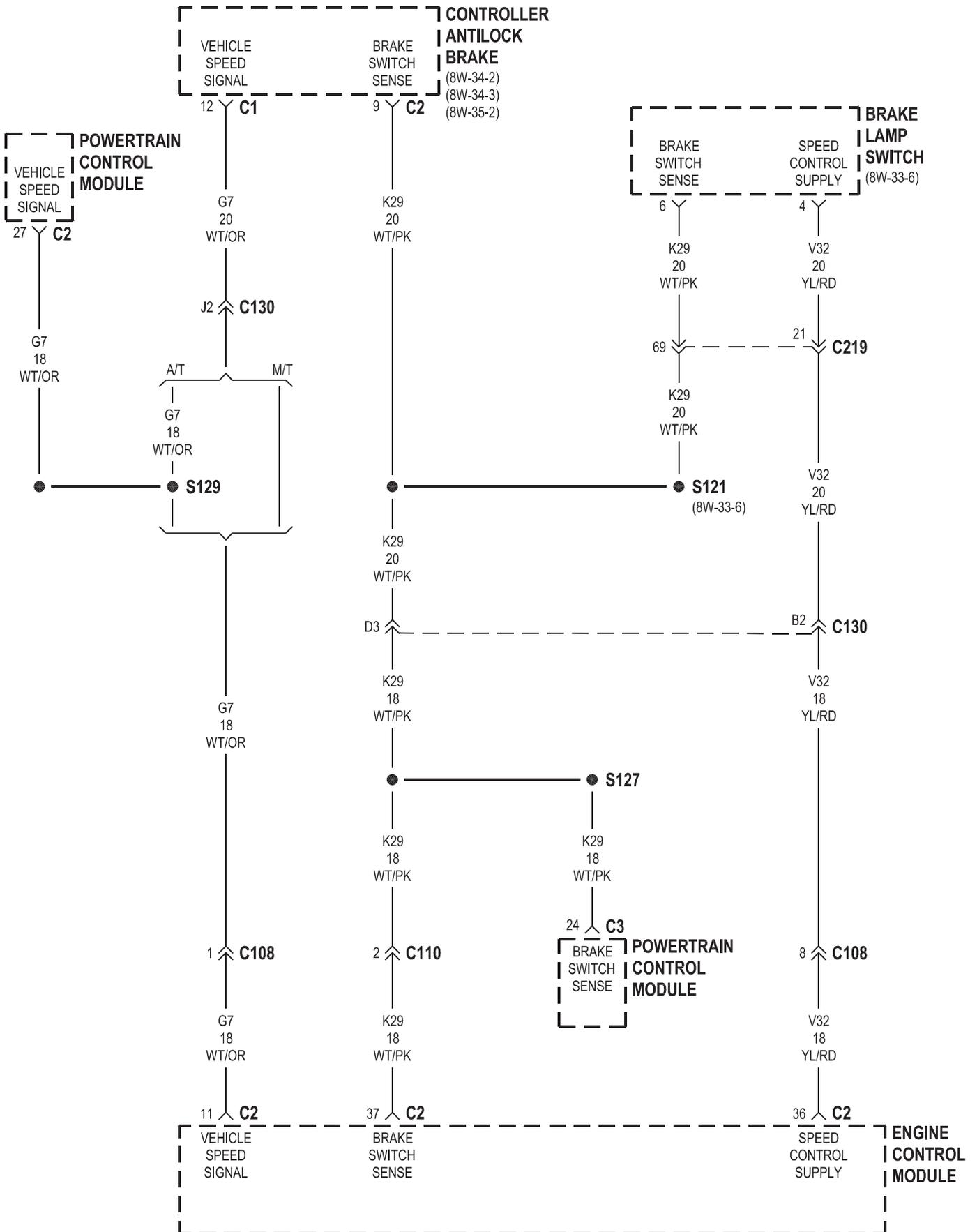
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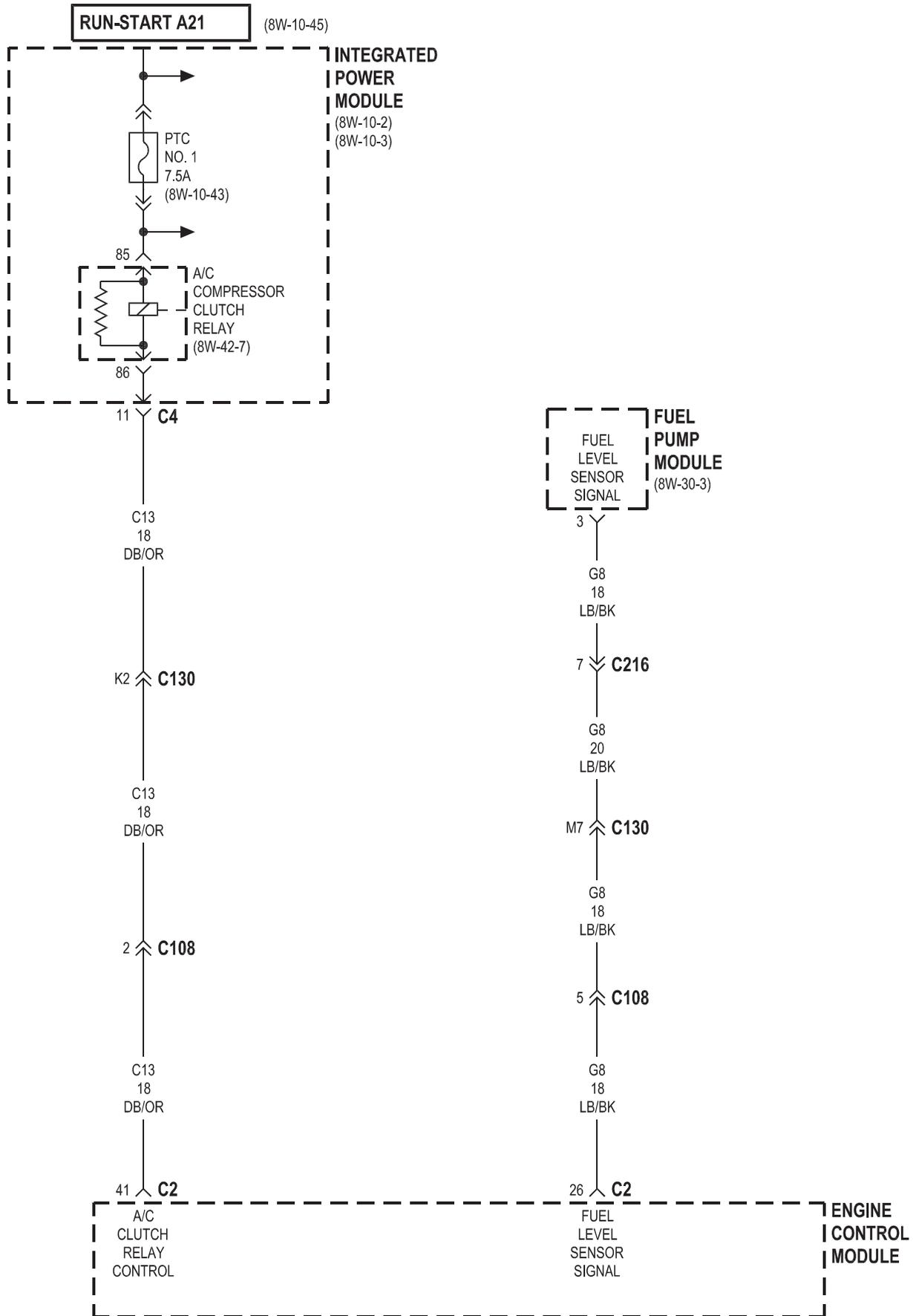
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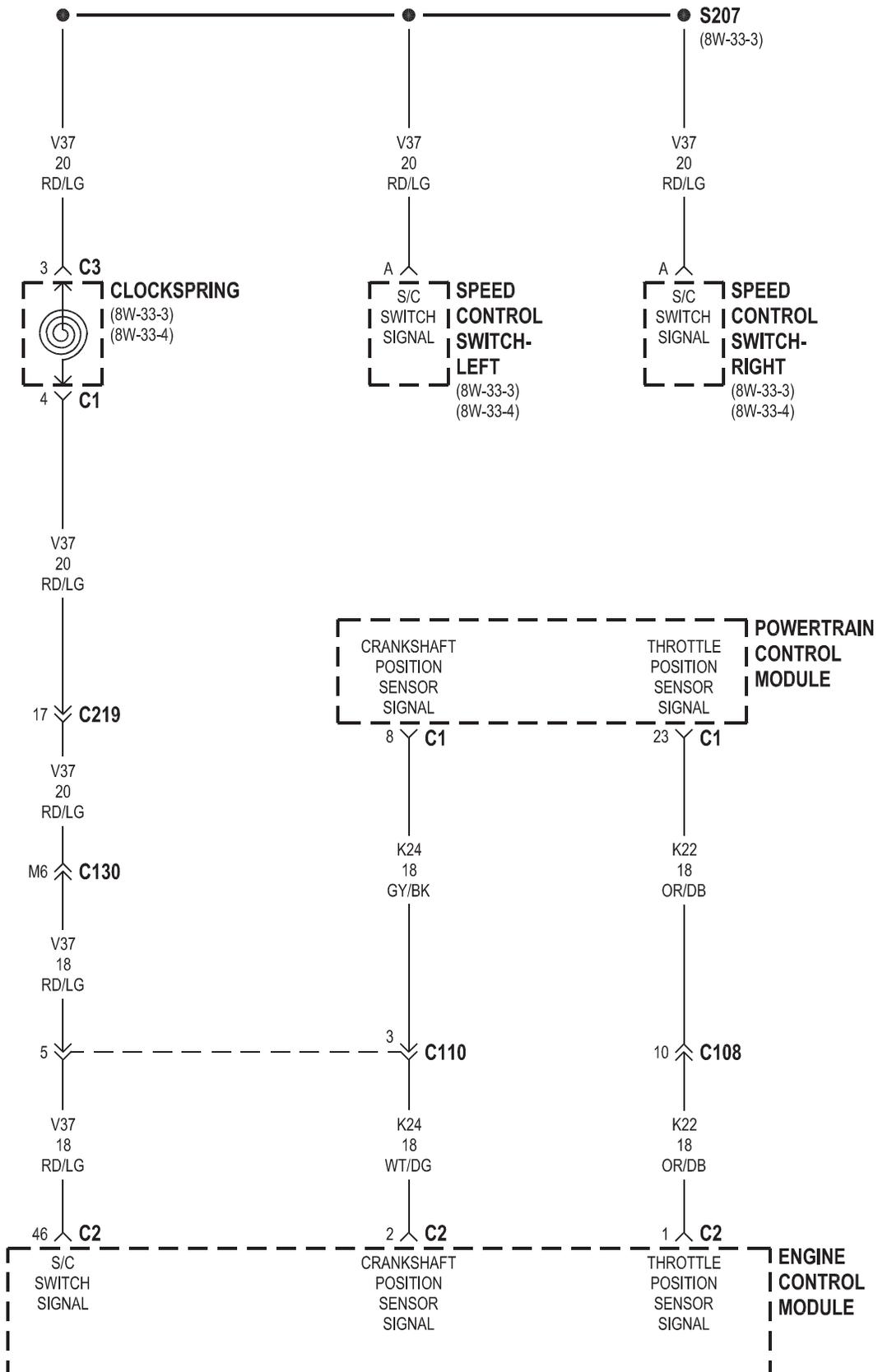
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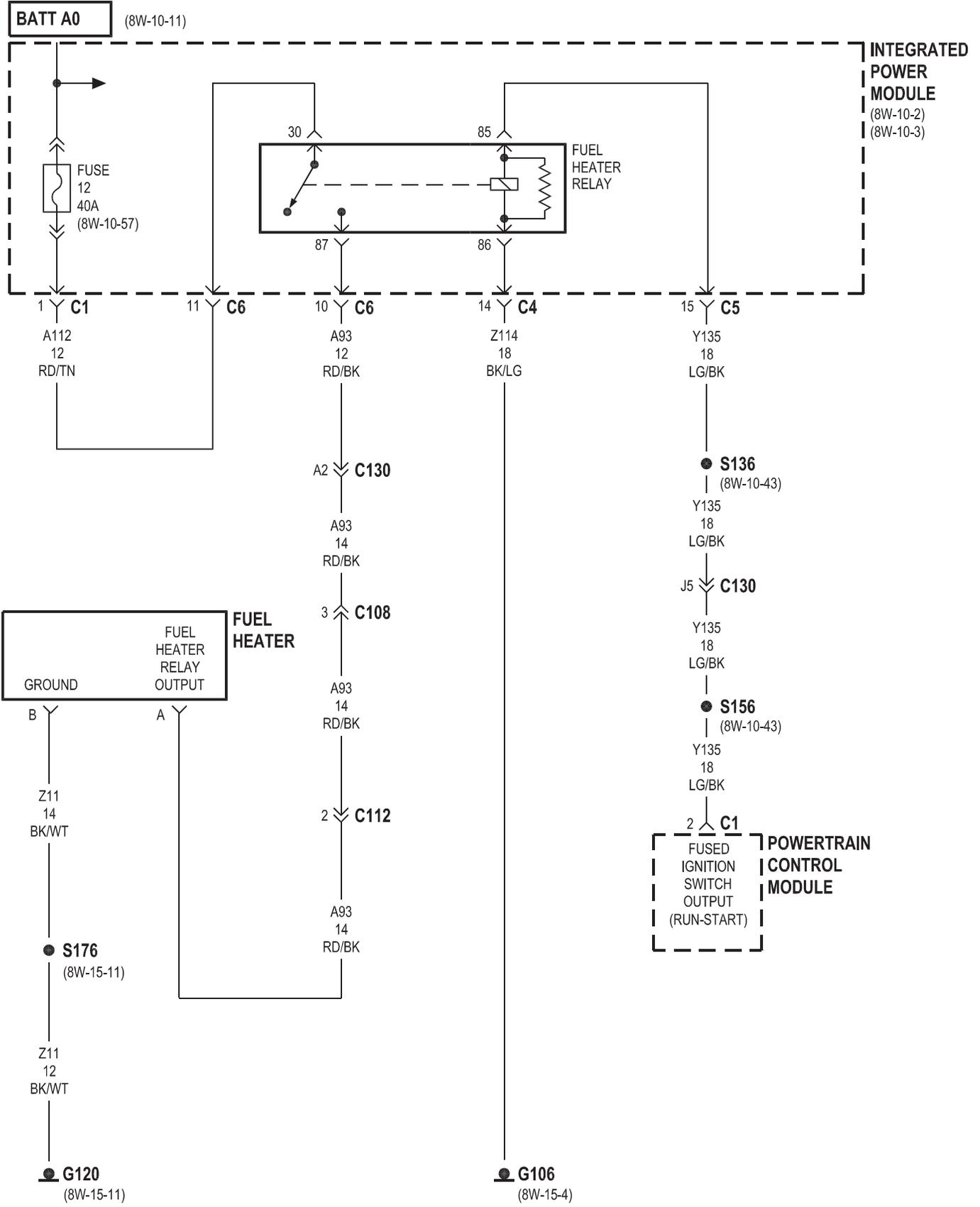
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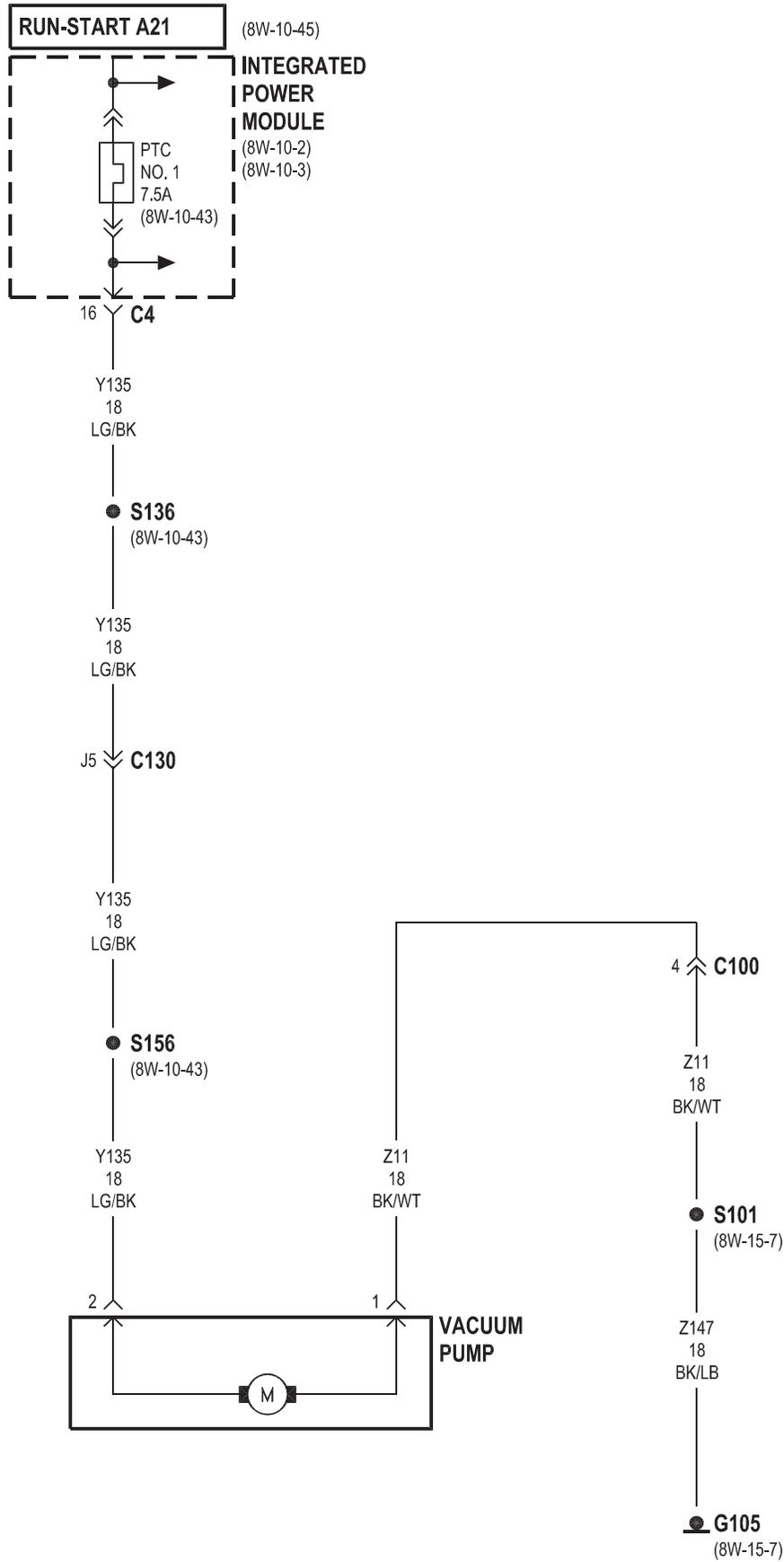
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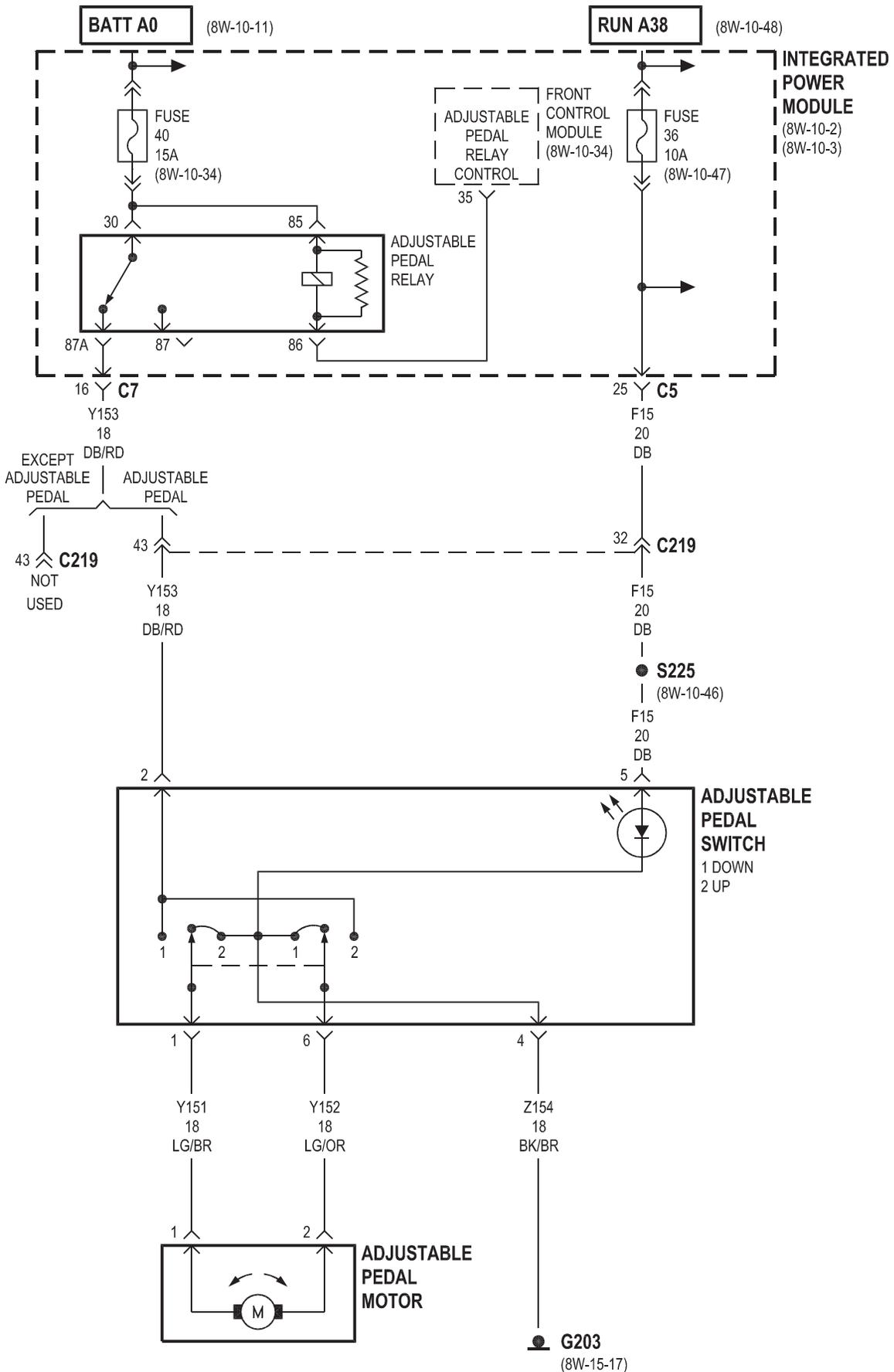
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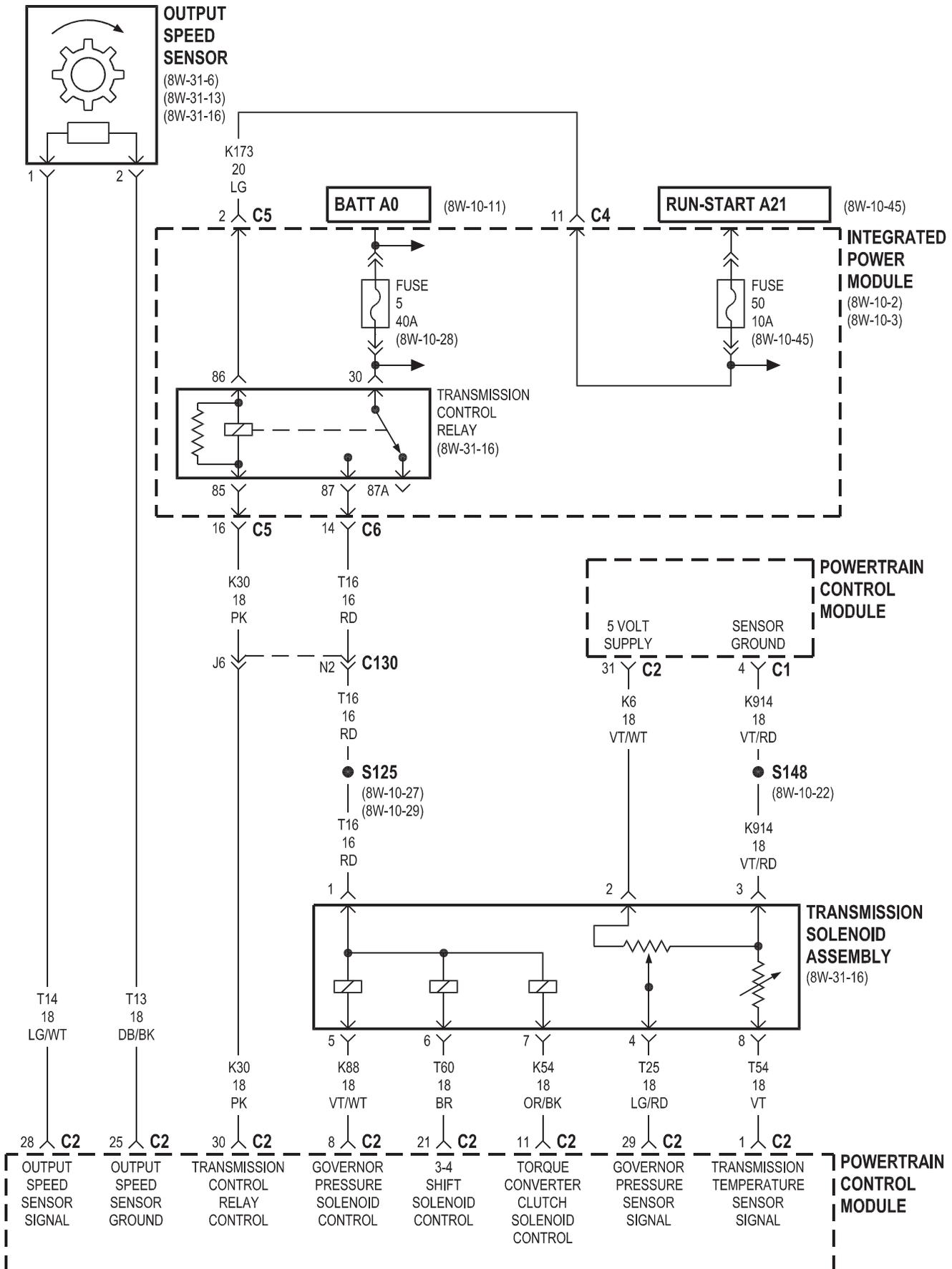
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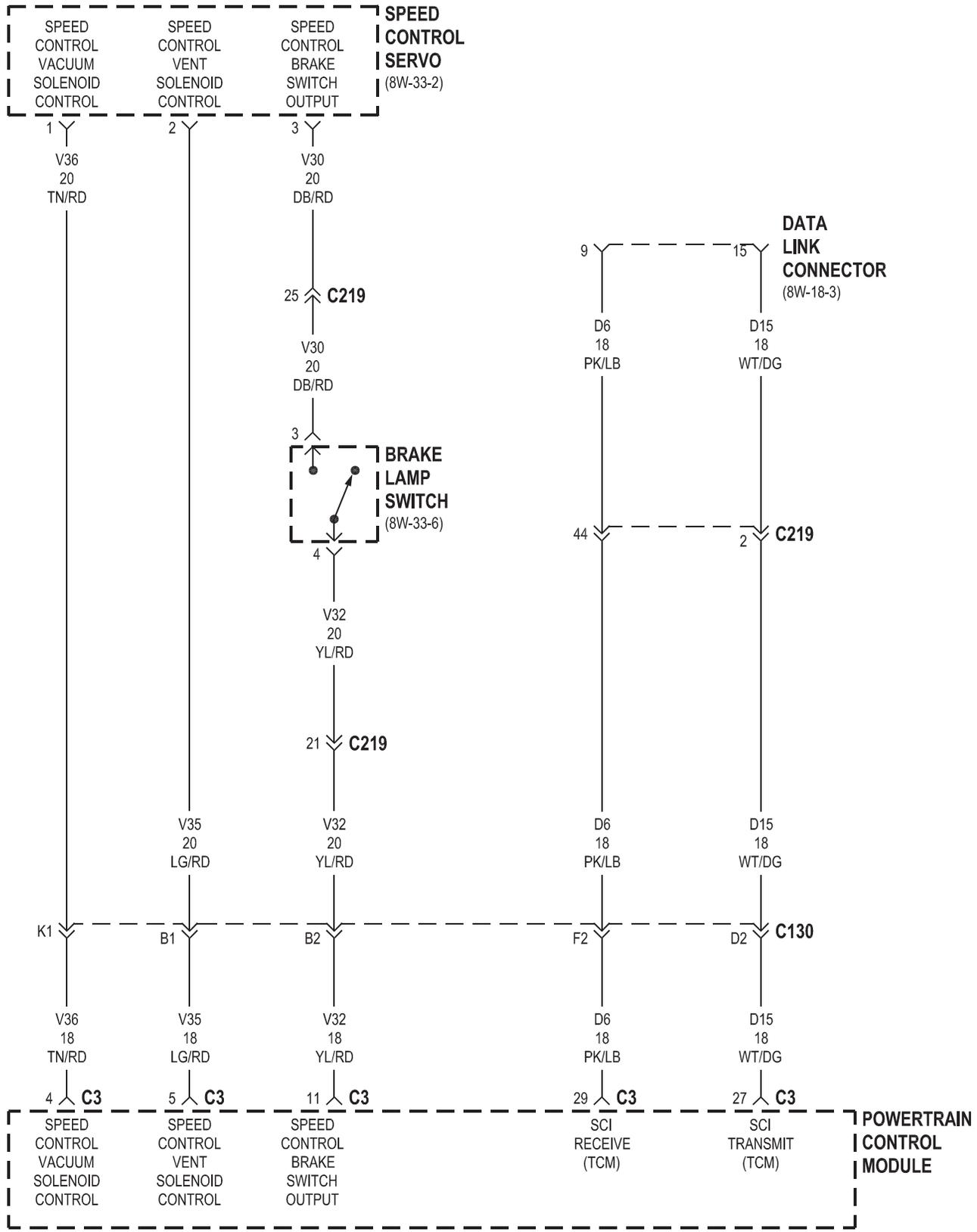
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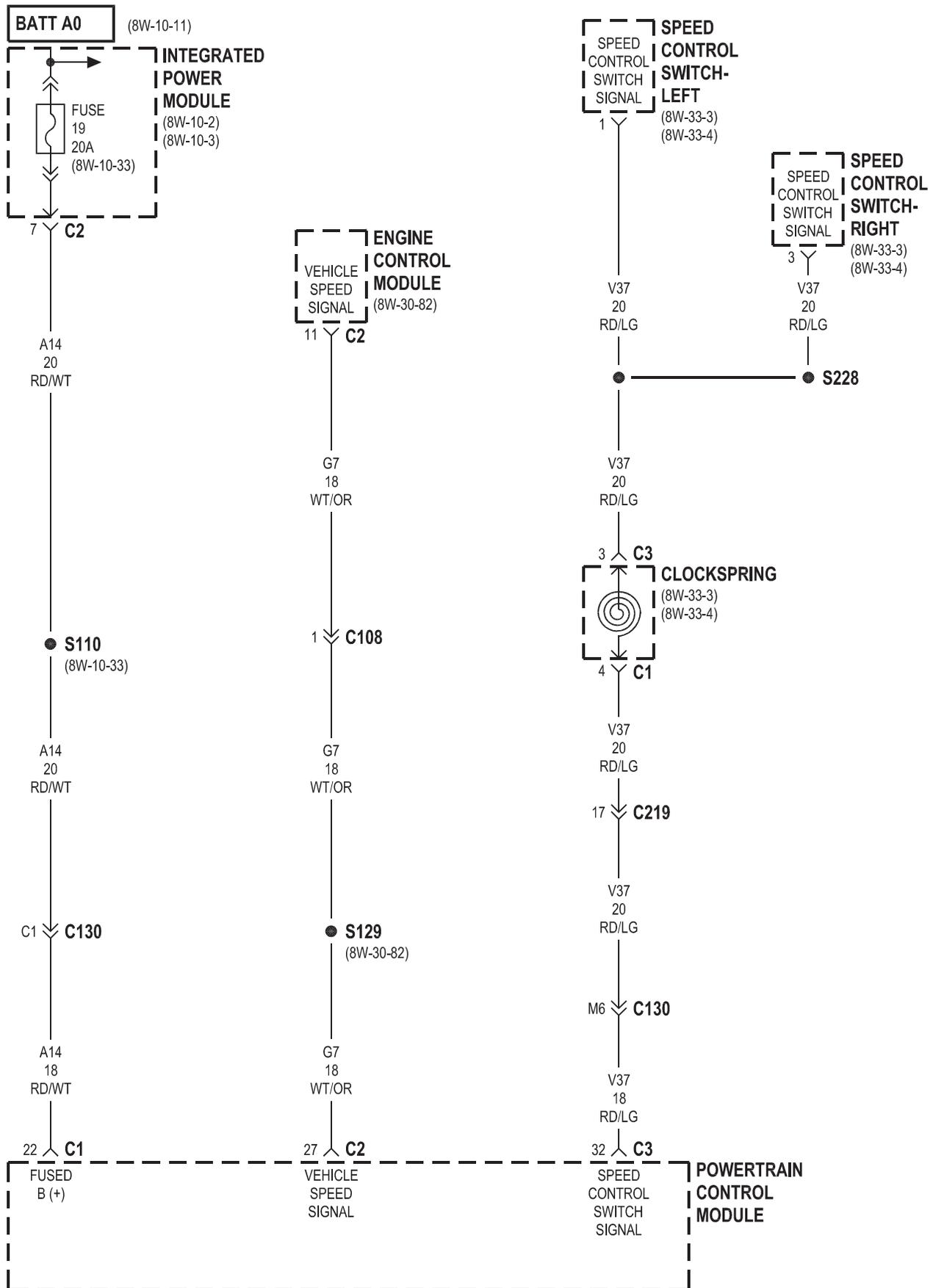
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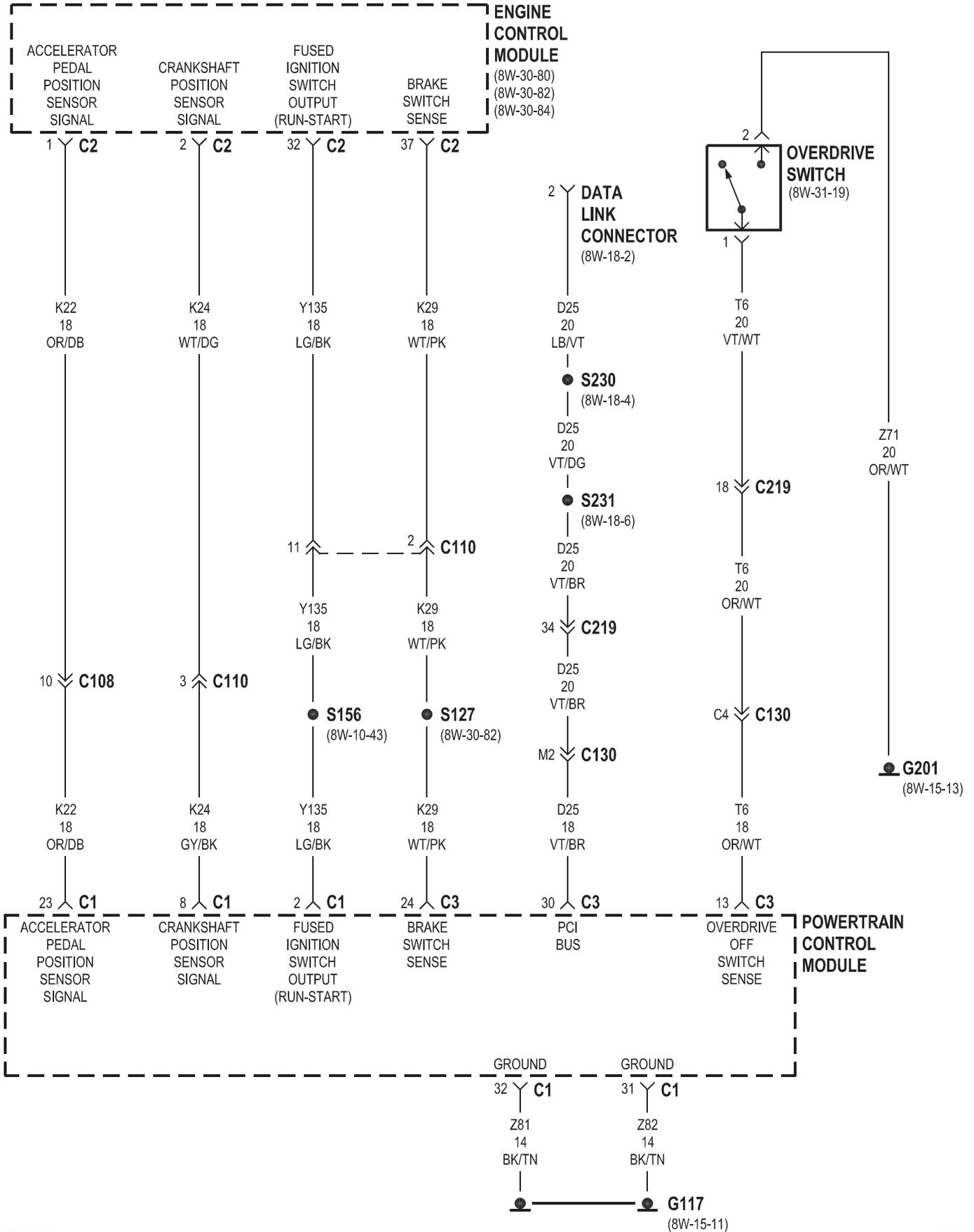
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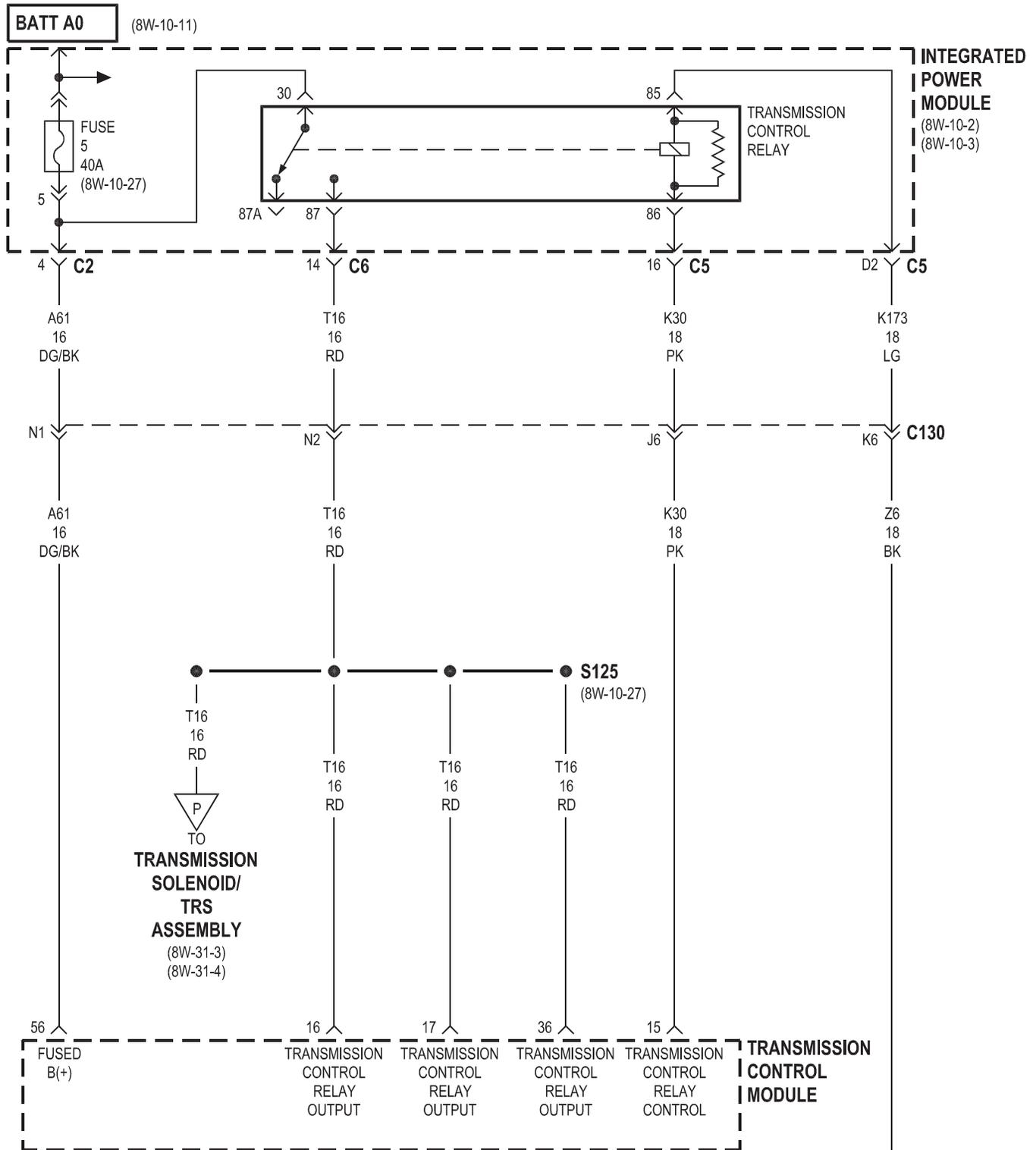


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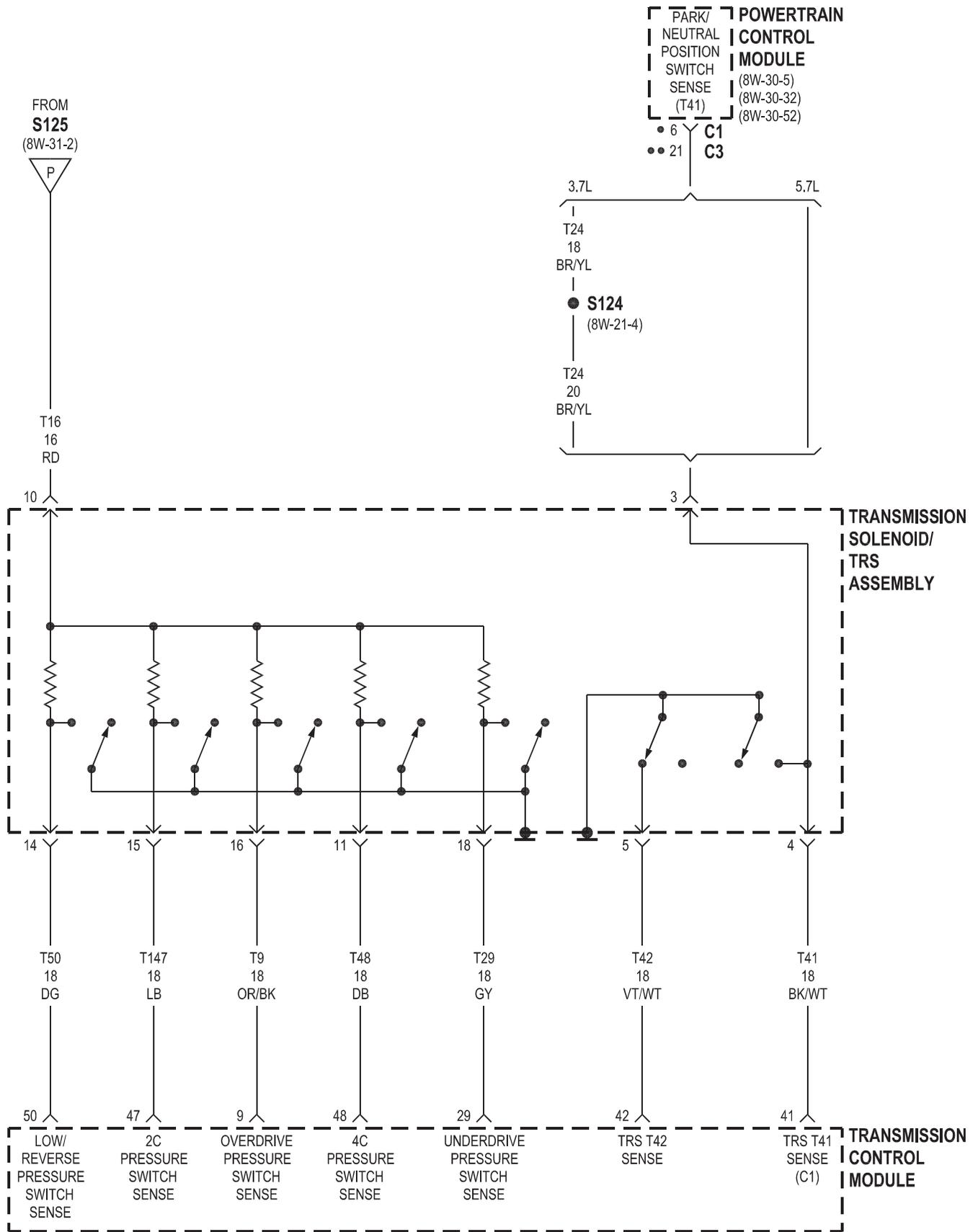


## 8W-31 TRANSMISSION CONTROL SYSTEM

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Automatic Day/Night Mirror . . . . .	8W-31-7, 15	Overdrive Switch . . . . .	8W-31-9, 11, 19
Brake Lamp Switch . . . . .	8W-31-17	Powertrain Control	
Clockspring . . . . .	8W-31-18	Module . . . . .	8W-31-3, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
Clutch Interlock Brake Switch . . . . .	8W-31-20	Speed Control Servo . . . . .	8W-31-17
Data Link Connector . . . . .	8W-31-5, 8, 17, 19, 25	Speed Control Switch-Left . . . . .	8W-31-18
Engine Control Module . . . . .	8W-31-18, 19	Speed Control Switch-Right . . . . .	8W-31-18
Front Control Module . . . . .	8W-31-7, 10	Starter Motor Relay . . . . .	8W-31-20
Fuse 5 . . . . .	8W-31-2, 10, 13, 16	Tail/Stop/Turn Signal Lamp-Left . . . . .	8W-31-7
Fuse 19 . . . . .	8W-31-18	Tail/Stop/Turn Signal Lamp-Right . . . . .	8W-31-7
Fuse 28 . . . . .	8W-31-23	Throttle Position Sensor . . . . .	8W-31-9
Fuse 38 . . . . .	8W-31-7, 10, 15	Transfer Case Control	
Fuse 43 . . . . .	8W-31-20	Module . . . . .	8W-31-20, 21, 22, 23, 24, 25
Fuse 50 . . . . .	8W-31-16	Transfer Case Mode Sensor . . . . .	8W-31-21, 22
G107 . . . . .	8W-31-2, 4, 10	Transfer Case Selector Switch . . . . .	8W-31-23, 24
G117 . . . . .	8W-31-19	Transfer Case Shift Motor . . . . .	8W-31-25
G201 . . . . .	8W-31-9, 11, 19, 23	Transmission Control	
G203 . . . . .	8W-31-20, 25	Module . . . . .	8W-31-2, 3, 4, 5, 6, 8, 9
Ignition Switch . . . . .	8W-31-5	Transmission Control Relay . . . . .	8W-31-2, 10, 13, 16
Input Speed Sensor . . . . .	8W-31-6, 14	Transmission Range Sensor . . . . .	8W-31-15
Instrument Cluster . . . . .	8W-31-5, 15, 23	Transmission Solenoid Assembly . . . . .	8W-31-13, 16
Integrated Power Module . . . . .	8W-31-2, 7, 10, 13, 15, 16, 18, 20, 23	Transmission Solenoid/TRS	
Line Pressure Sensor . . . . .	8W-31-6	Assembly . . . . .	8W-31-2, 3, 4, 6, 7, 10, 11, 12
Output Speed Sensor . . . . .	8W-31-6, 13, 14, 16		

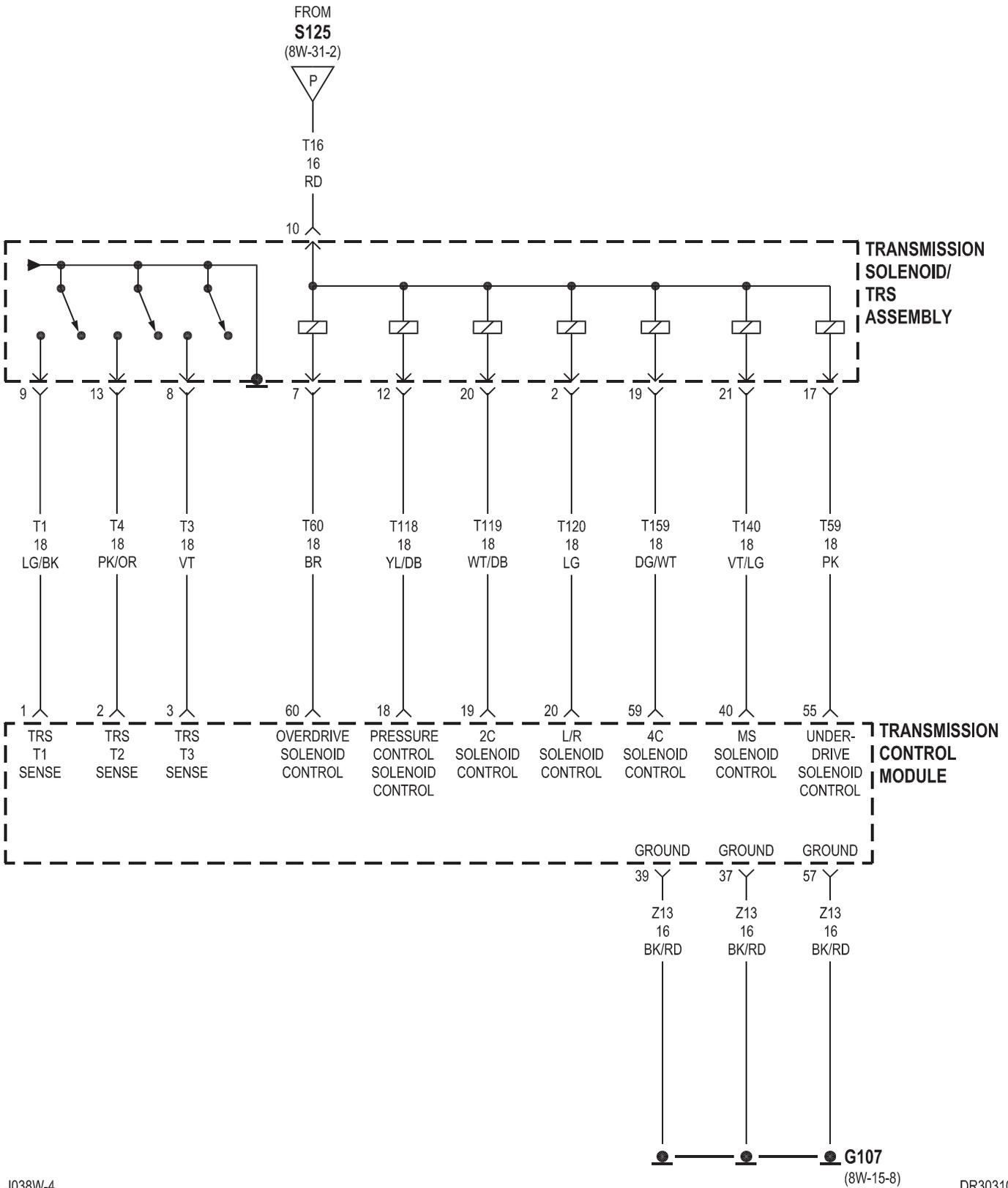


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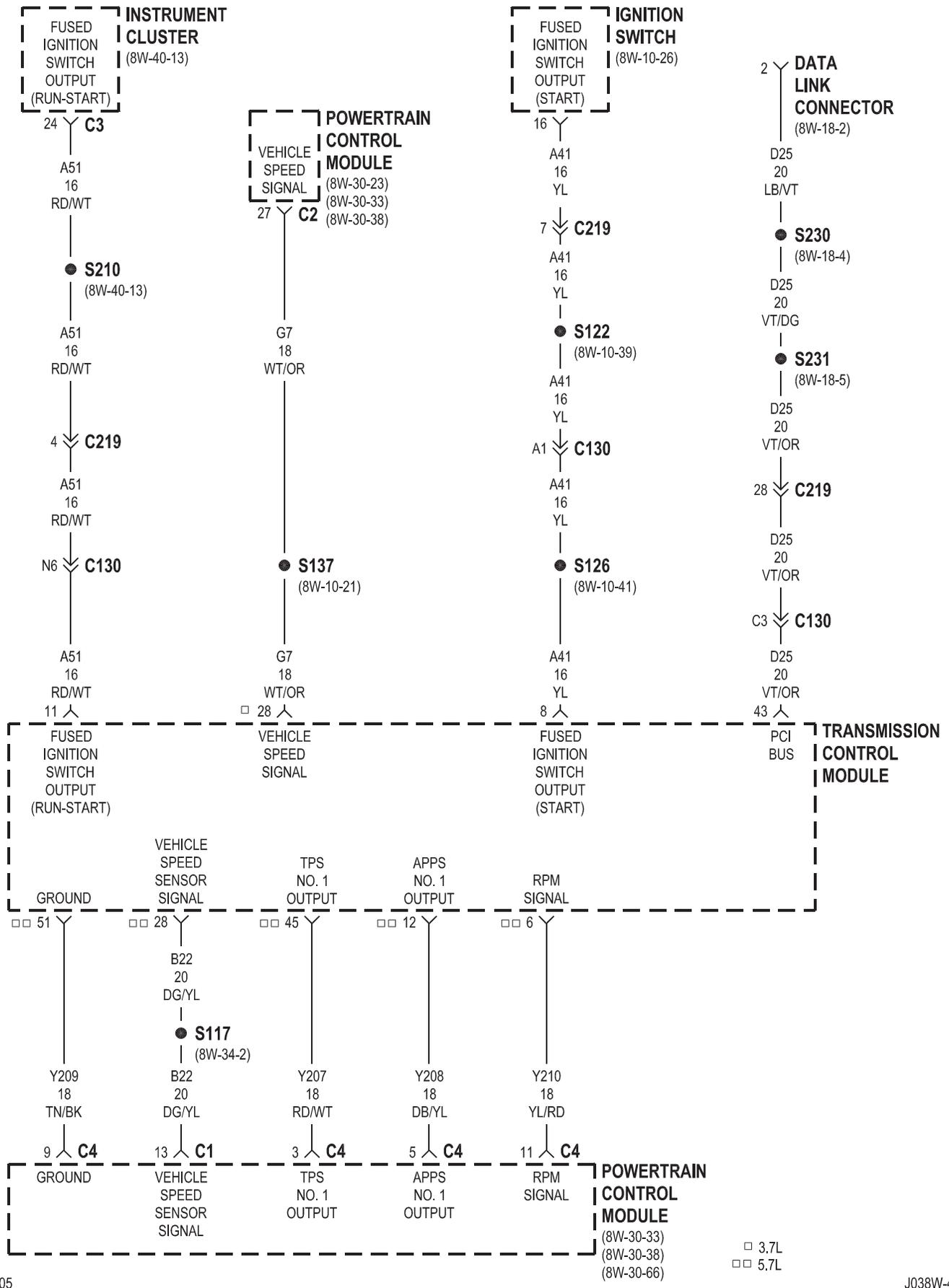


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• 3.7L  
•• 5.7L

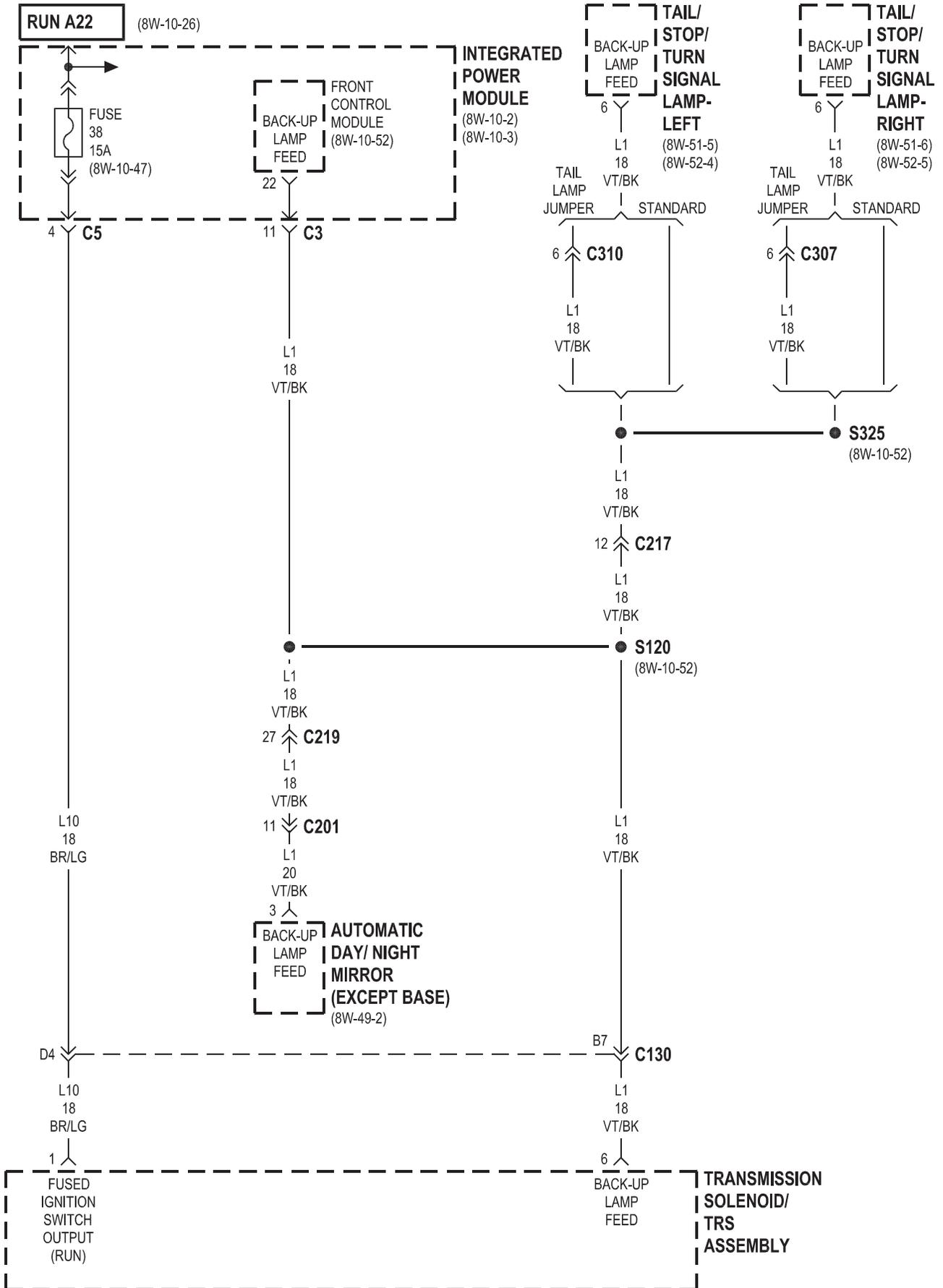


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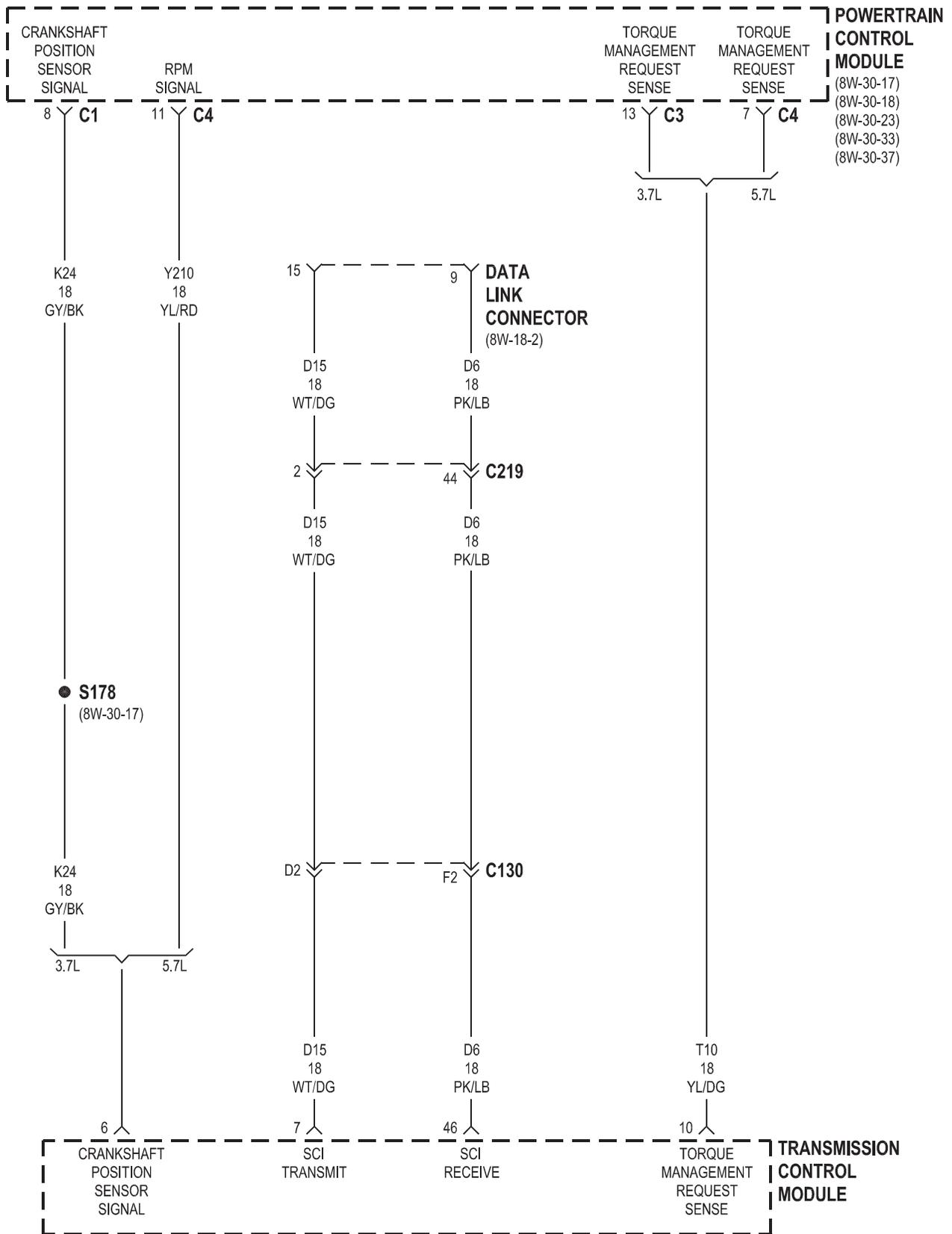


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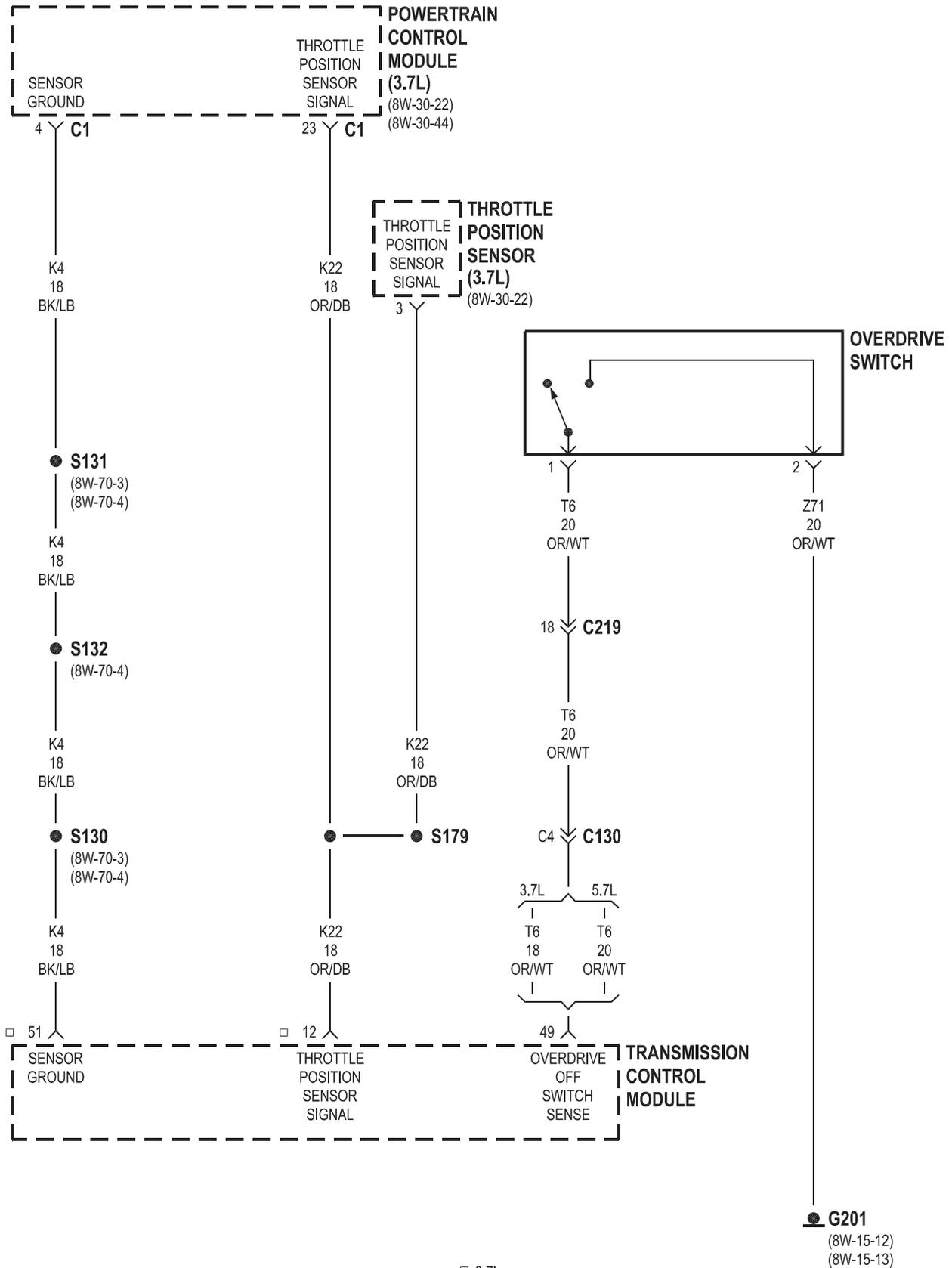


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3.7L/5.7L

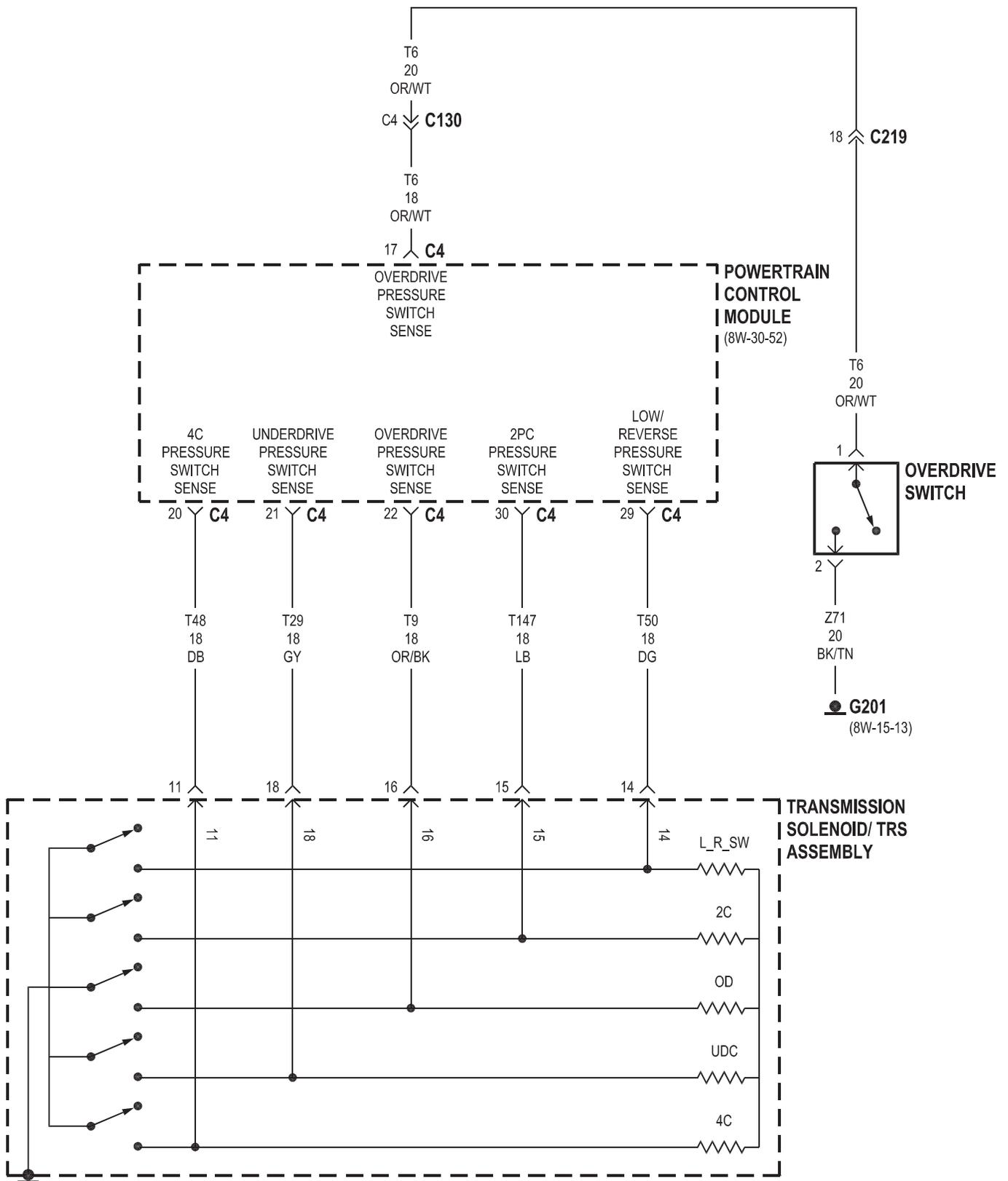


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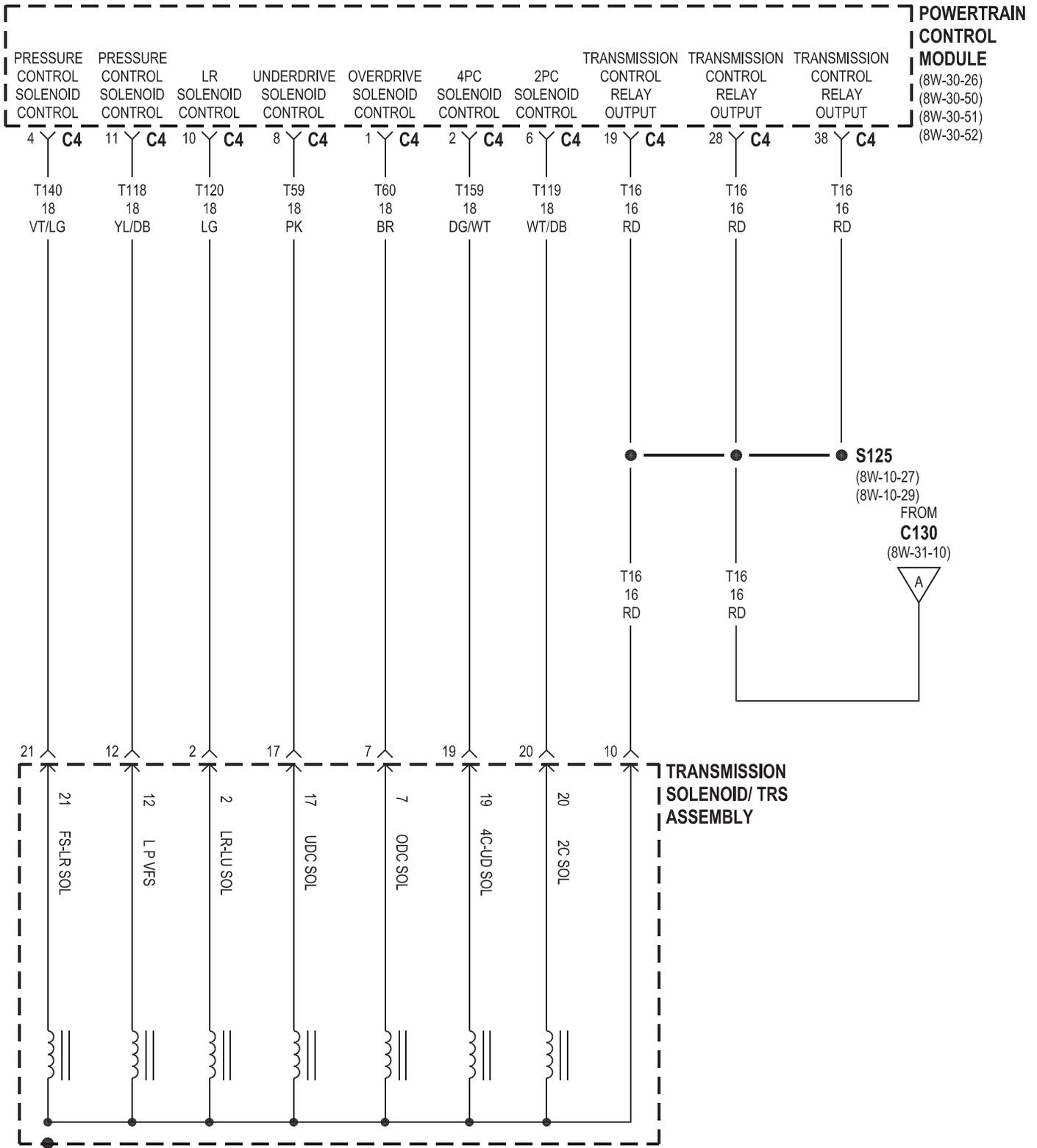
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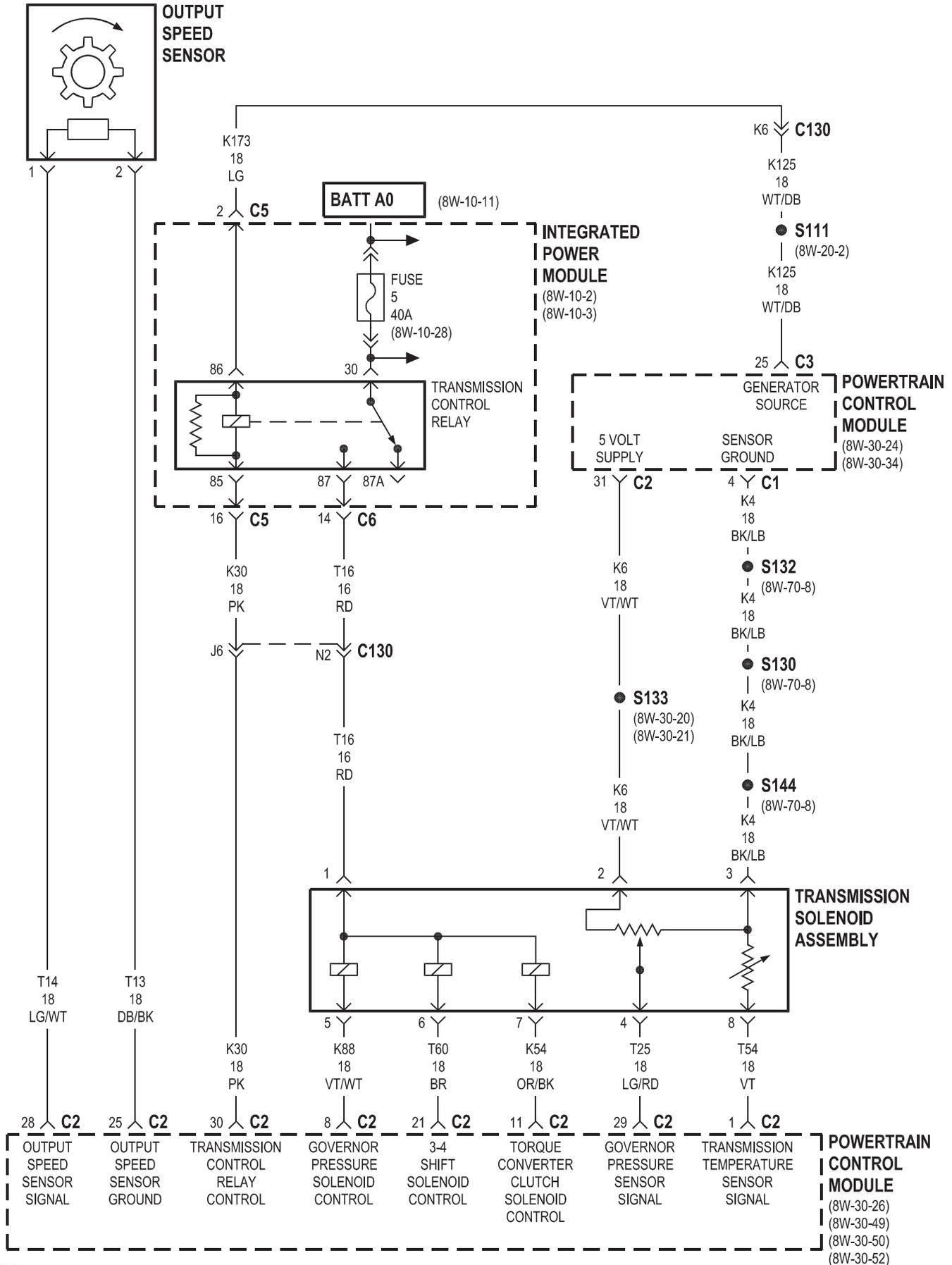


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4.7L

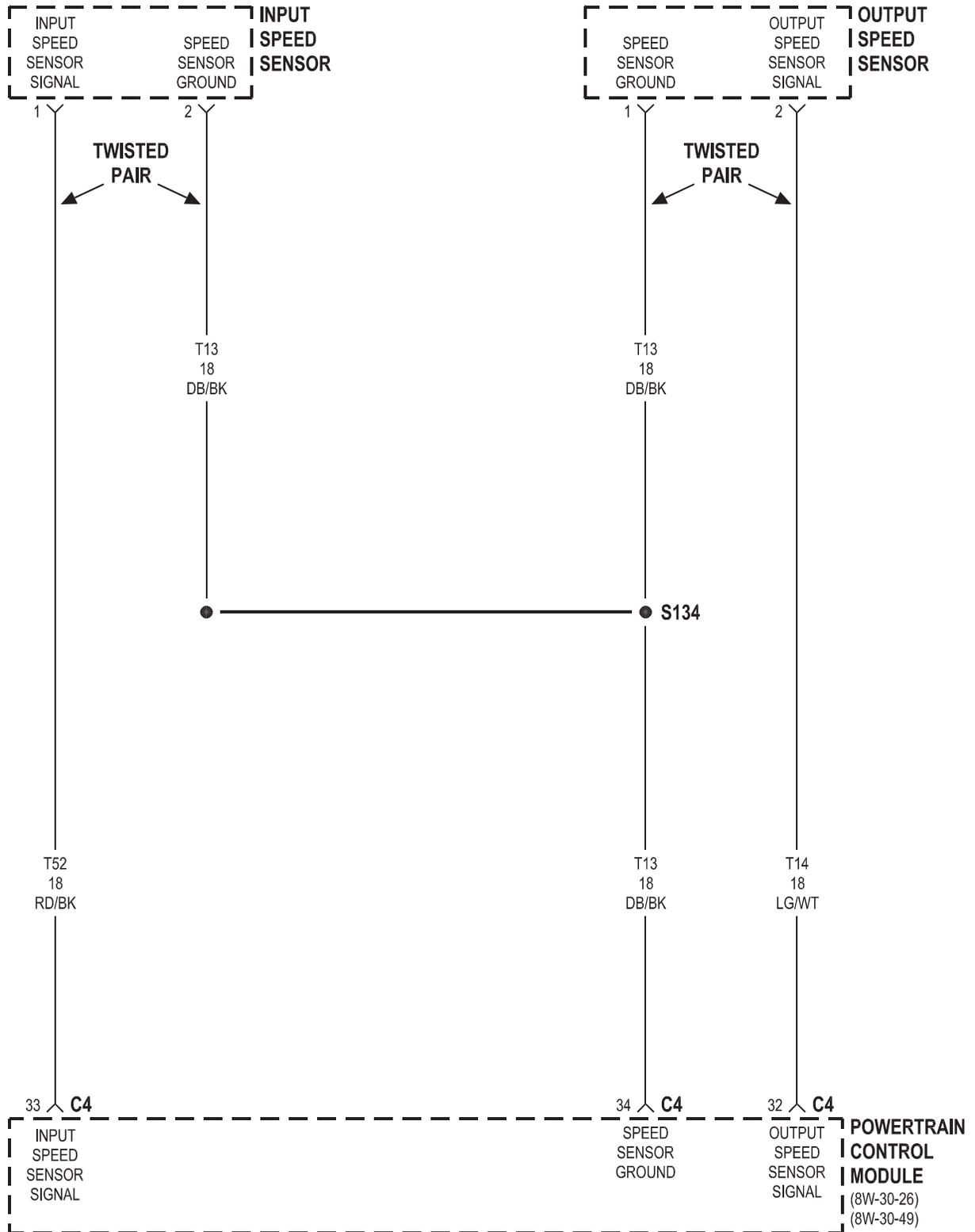


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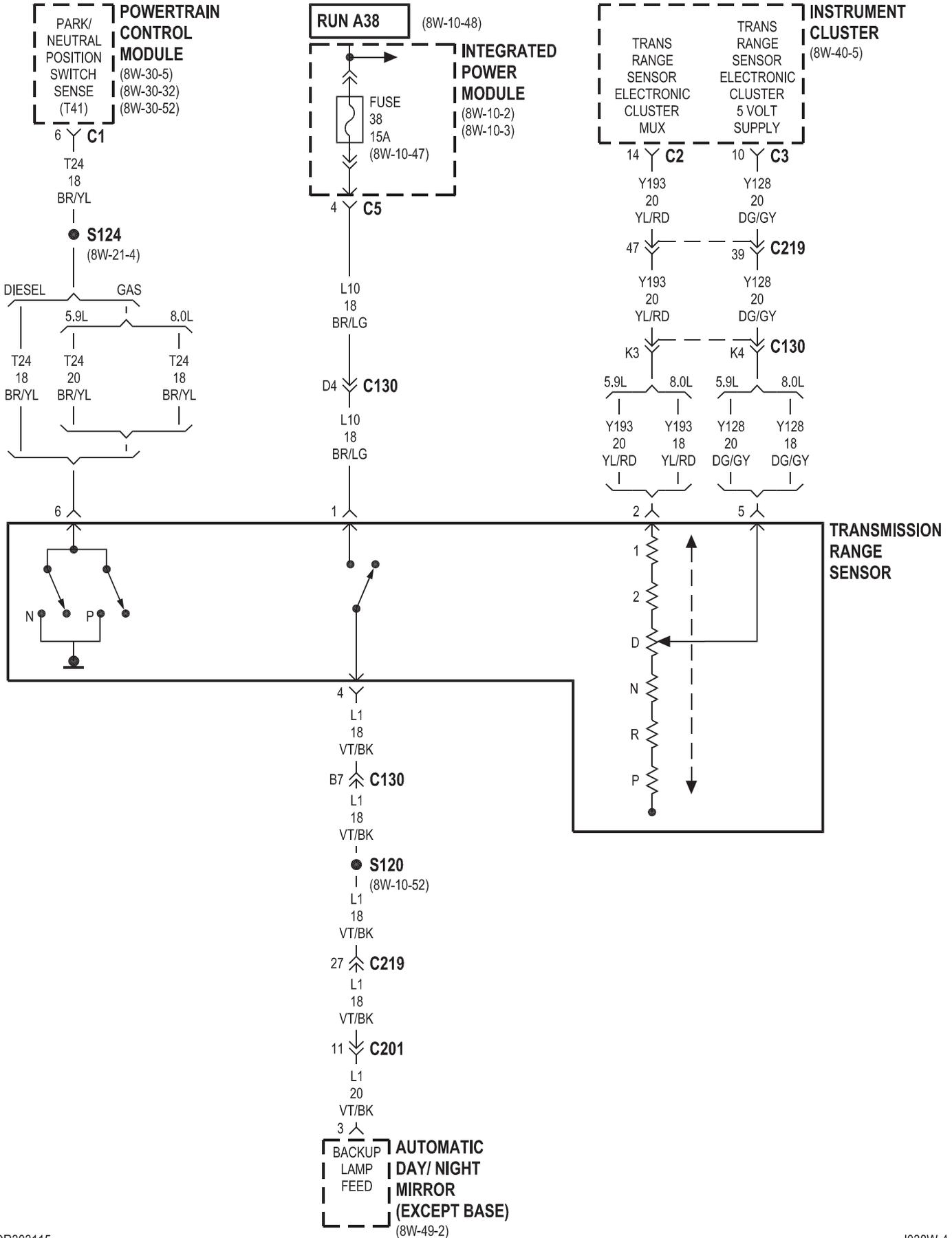
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4.7L

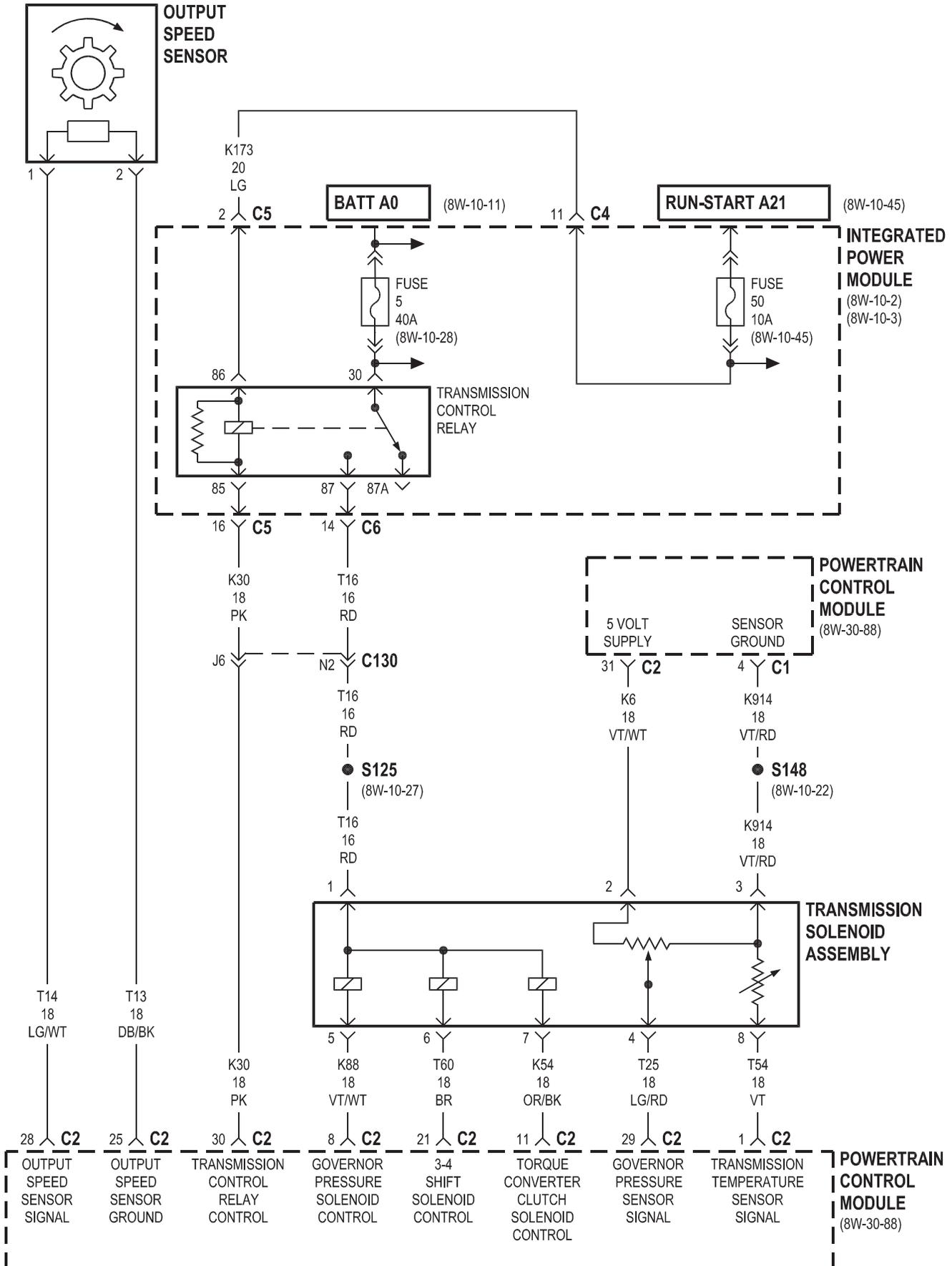


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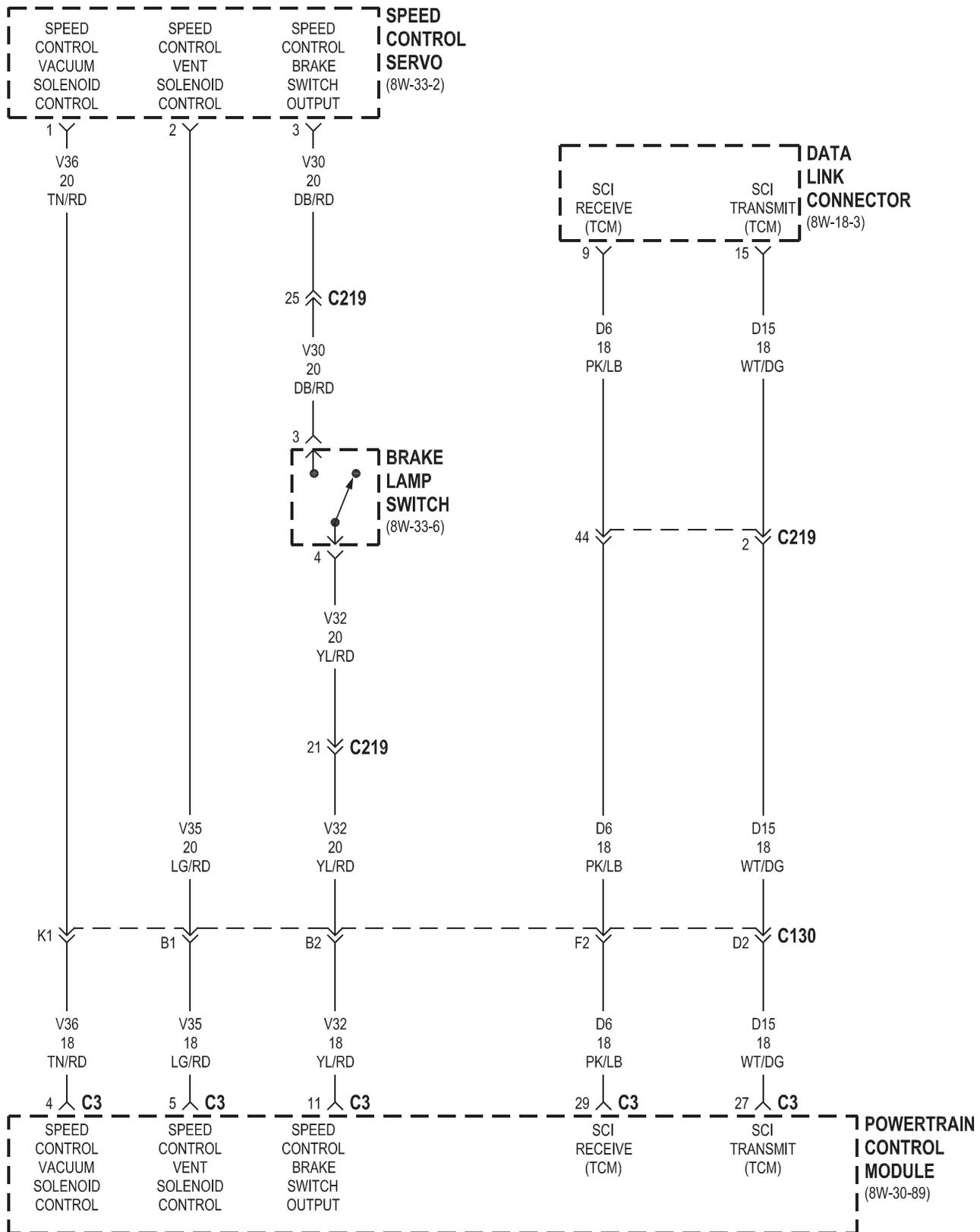
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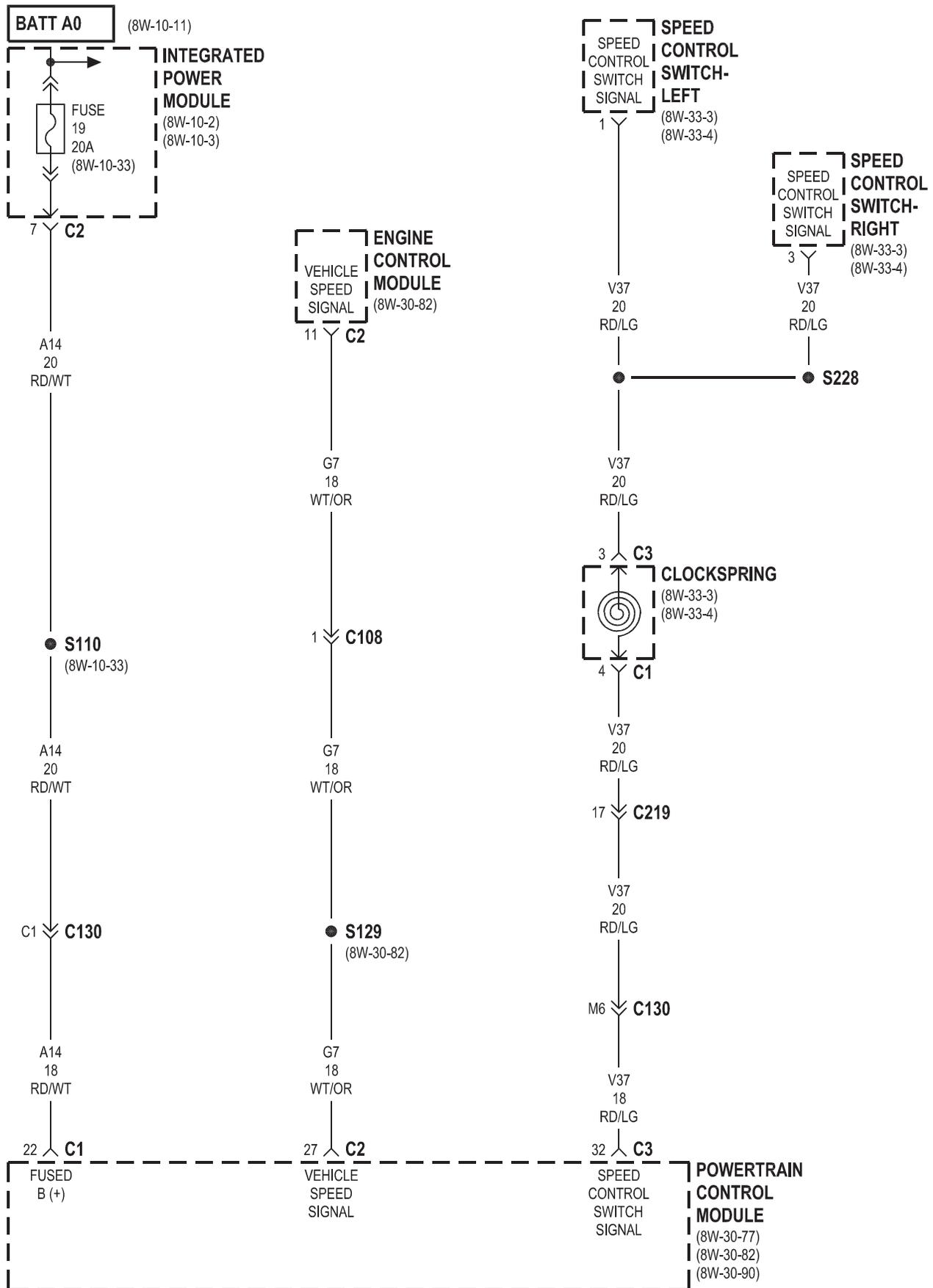
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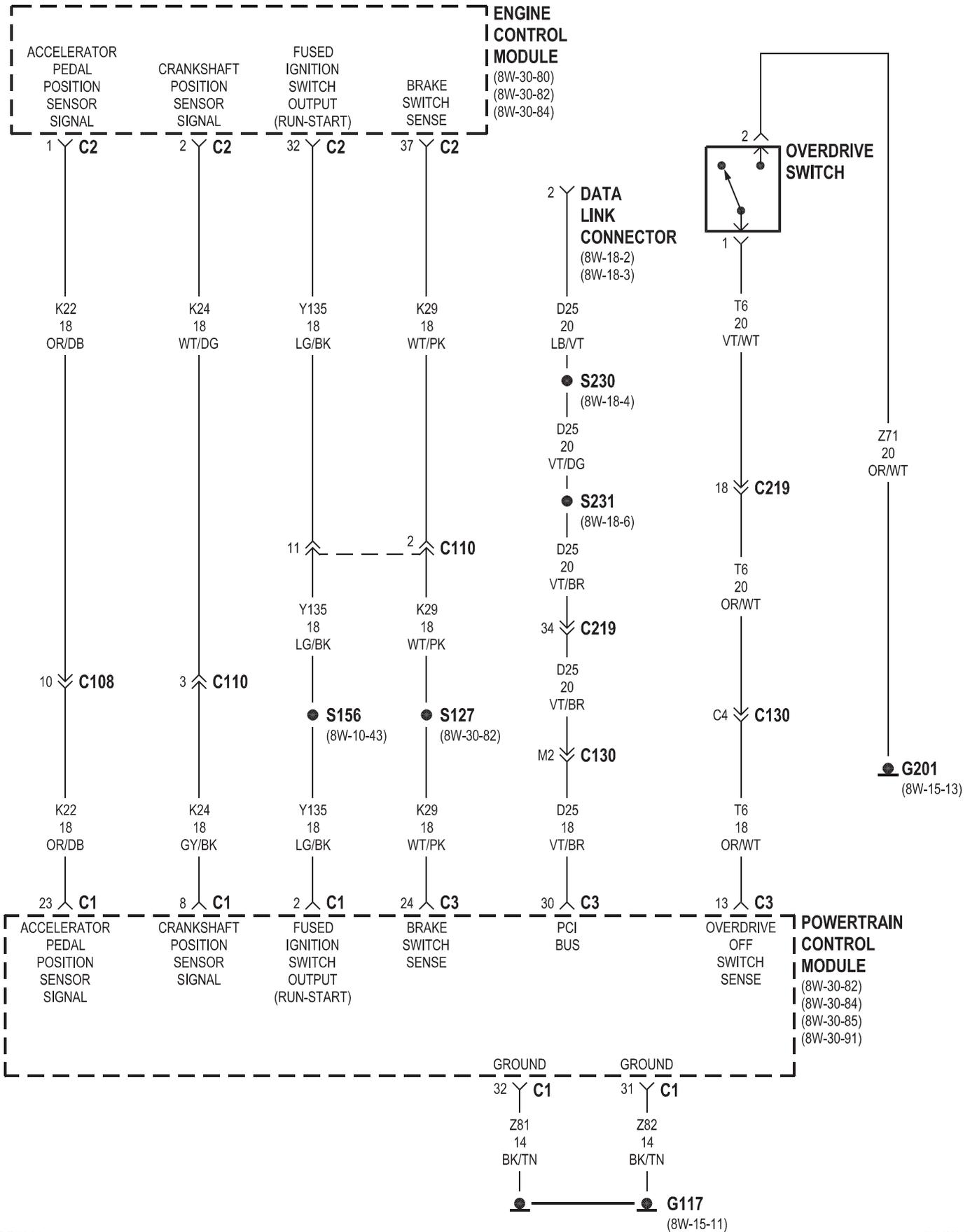
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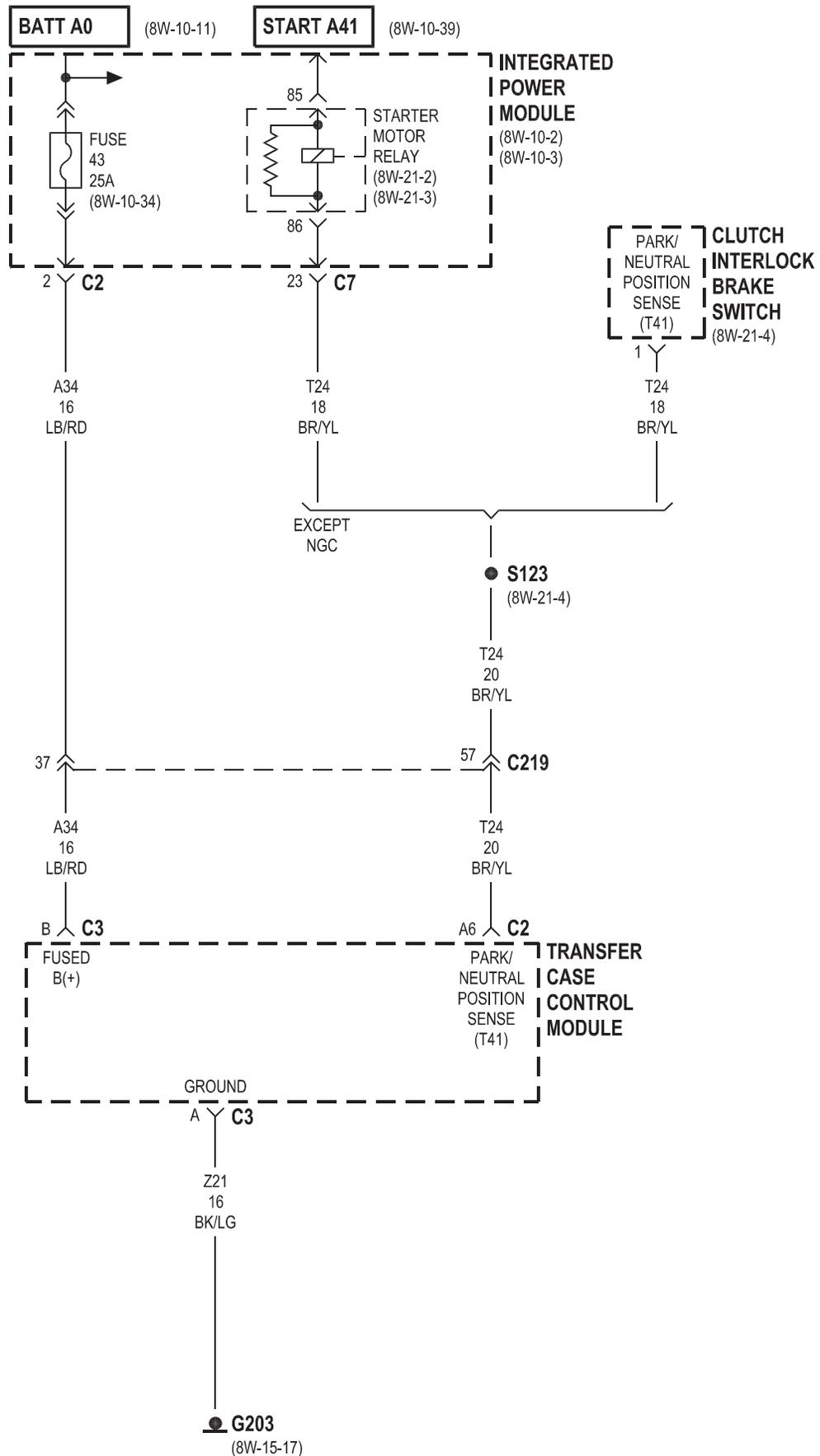
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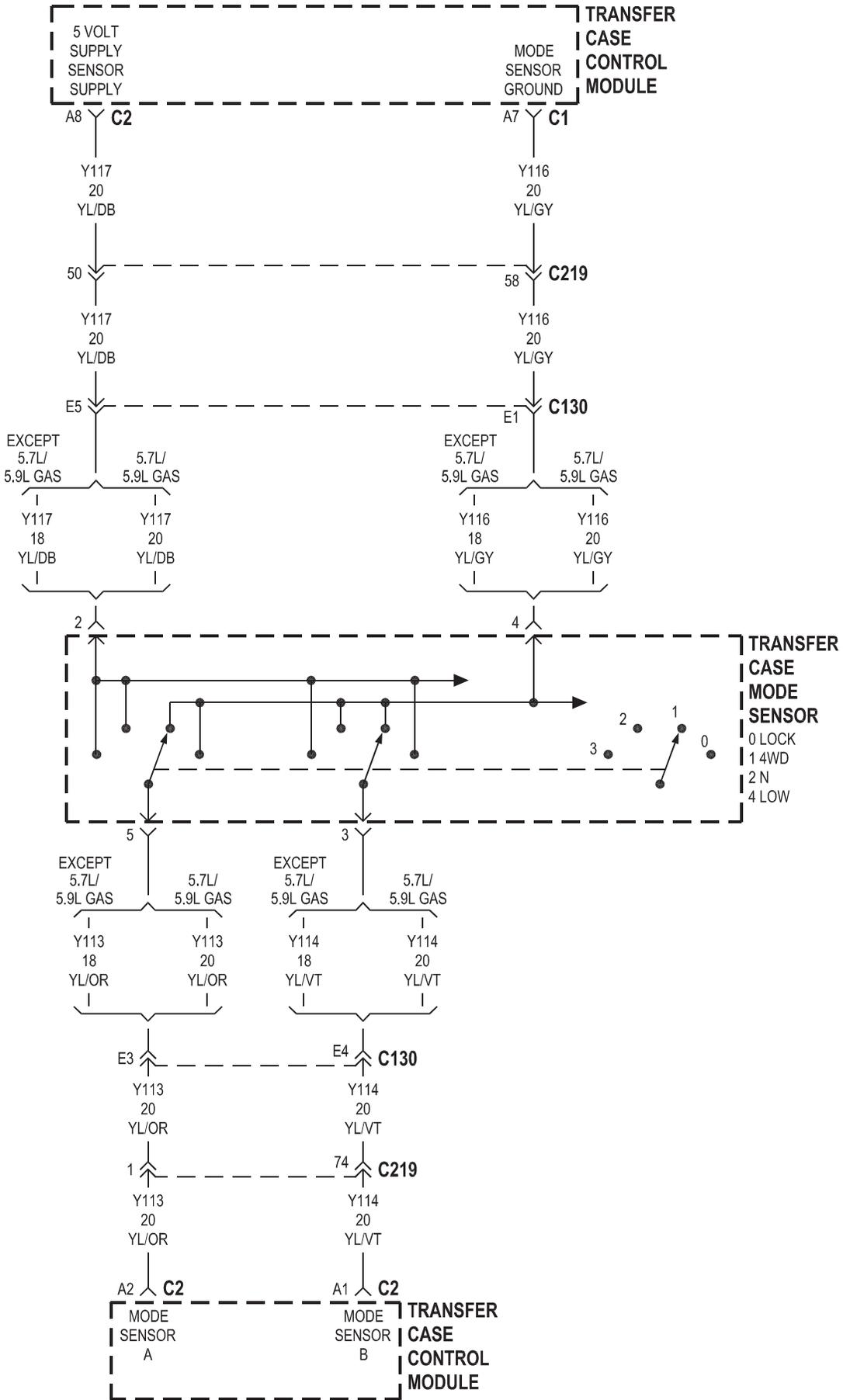
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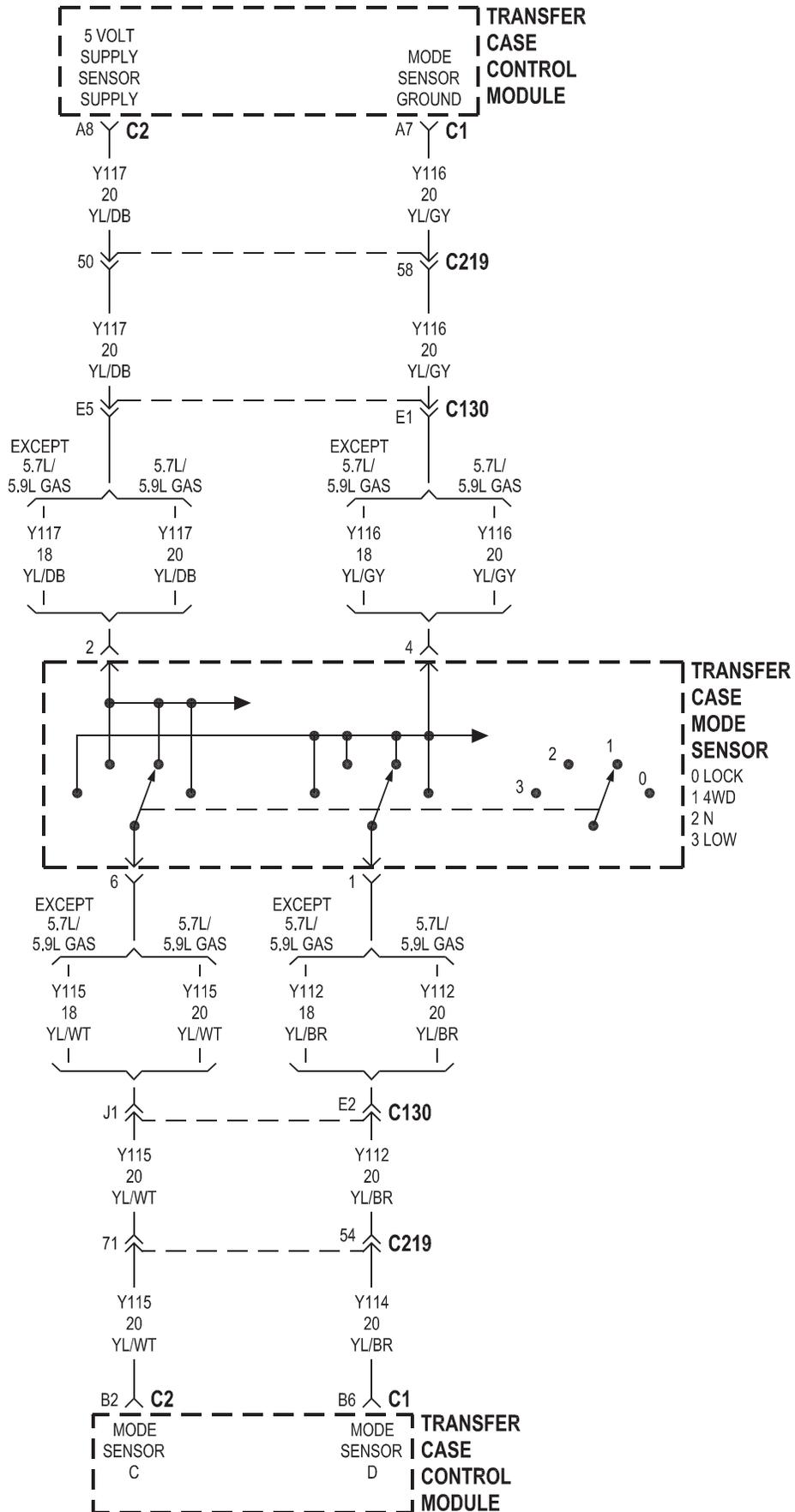
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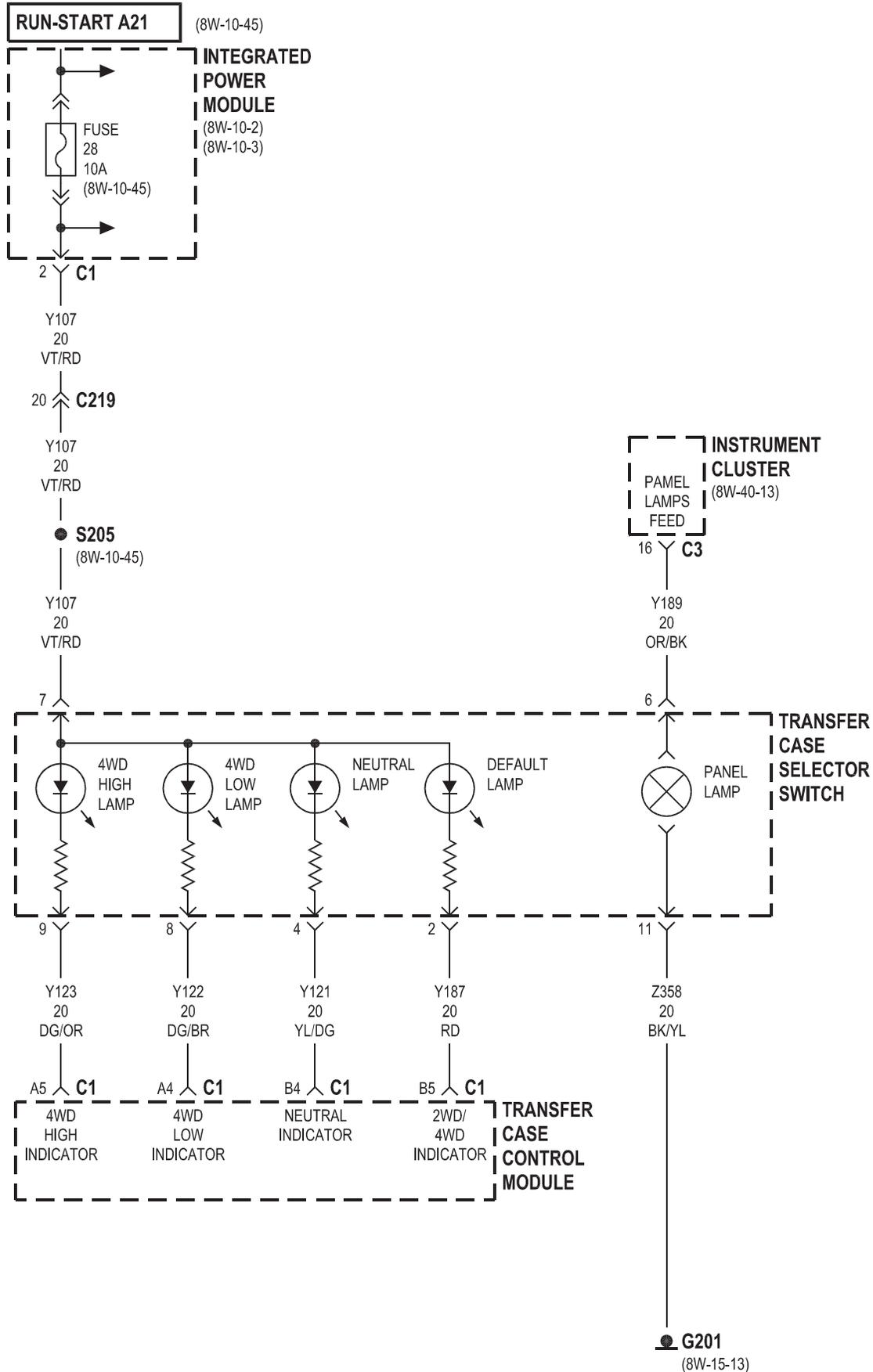
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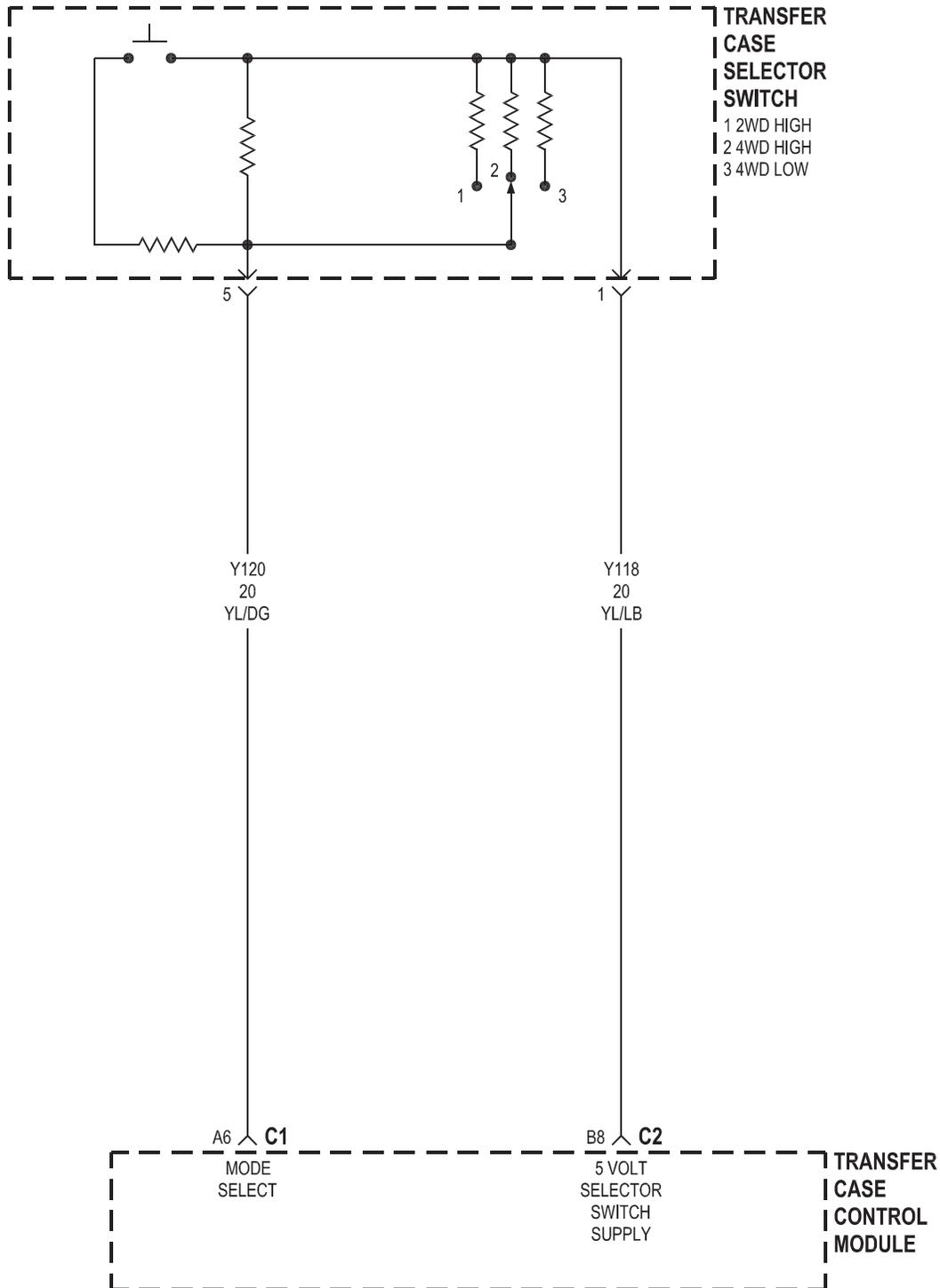
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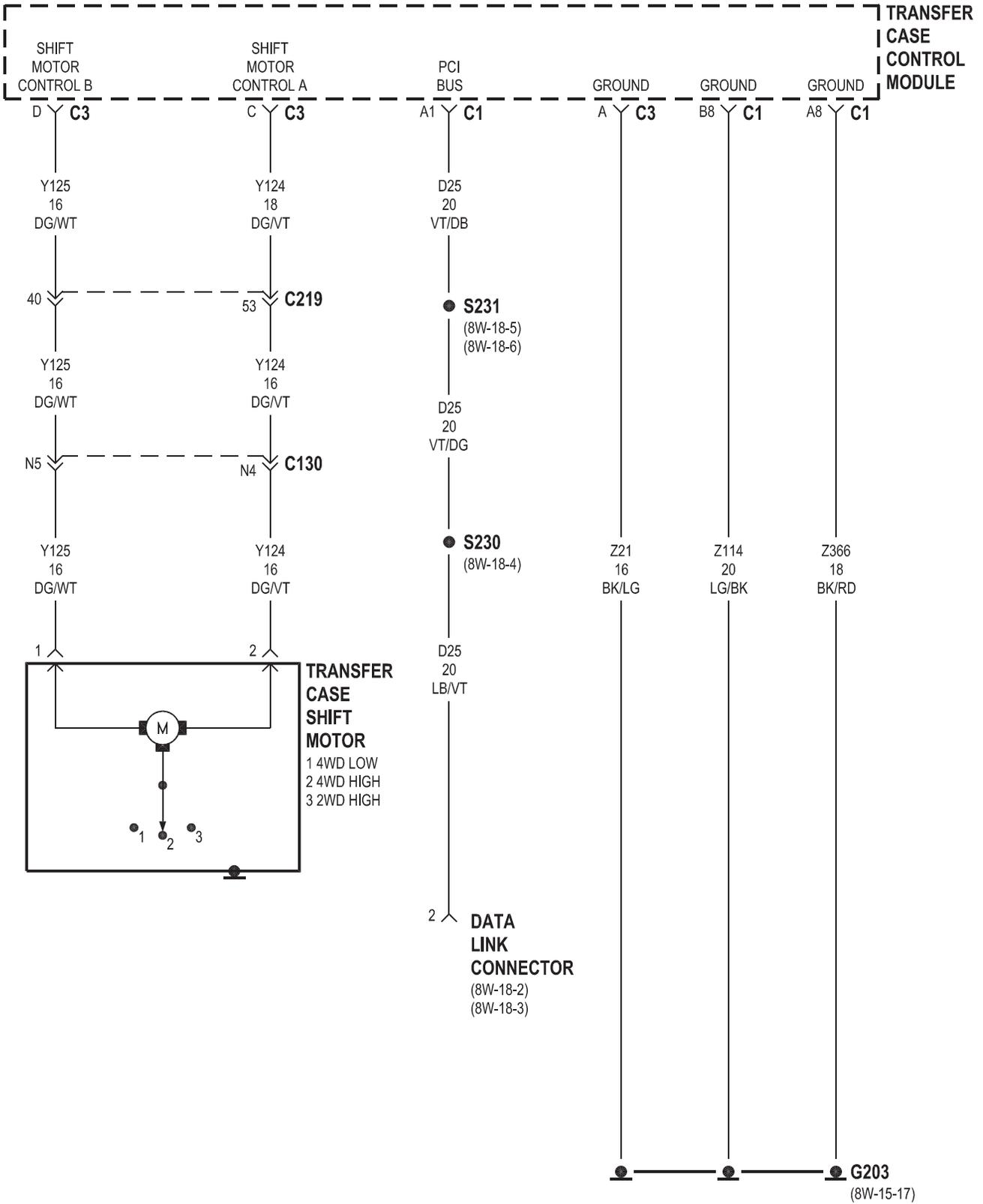
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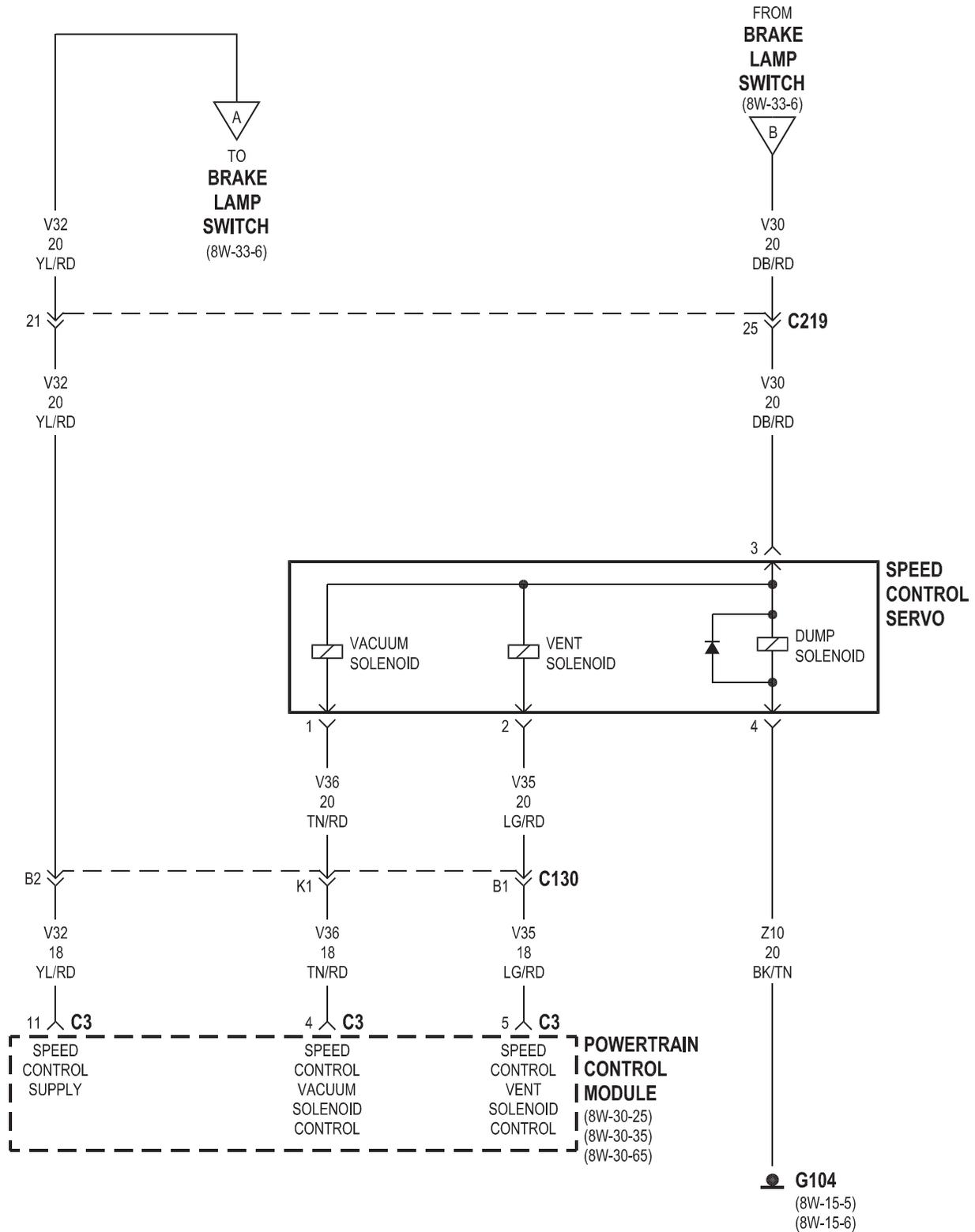


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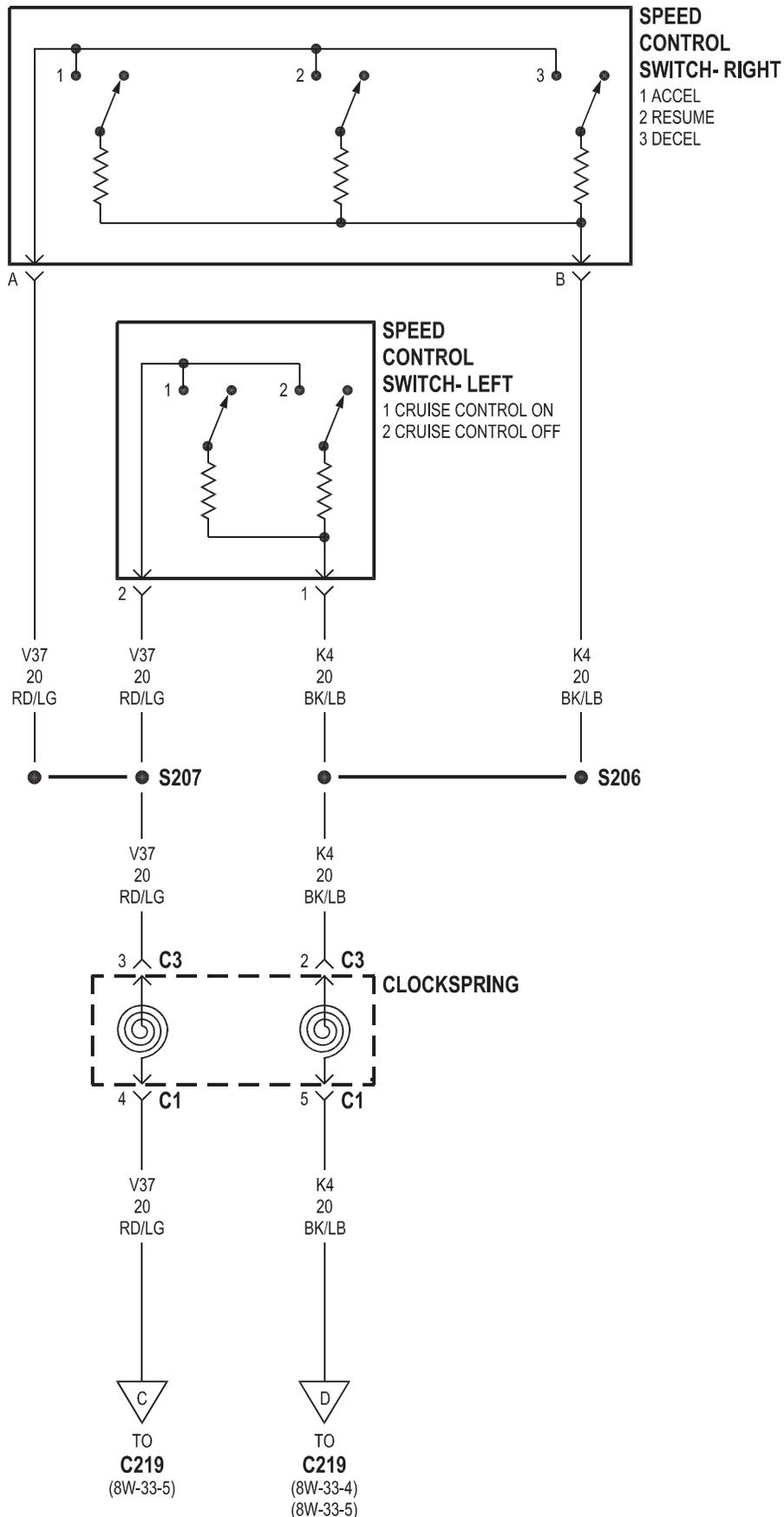


## 8W-33 VEHICLE SPEED CONTROL

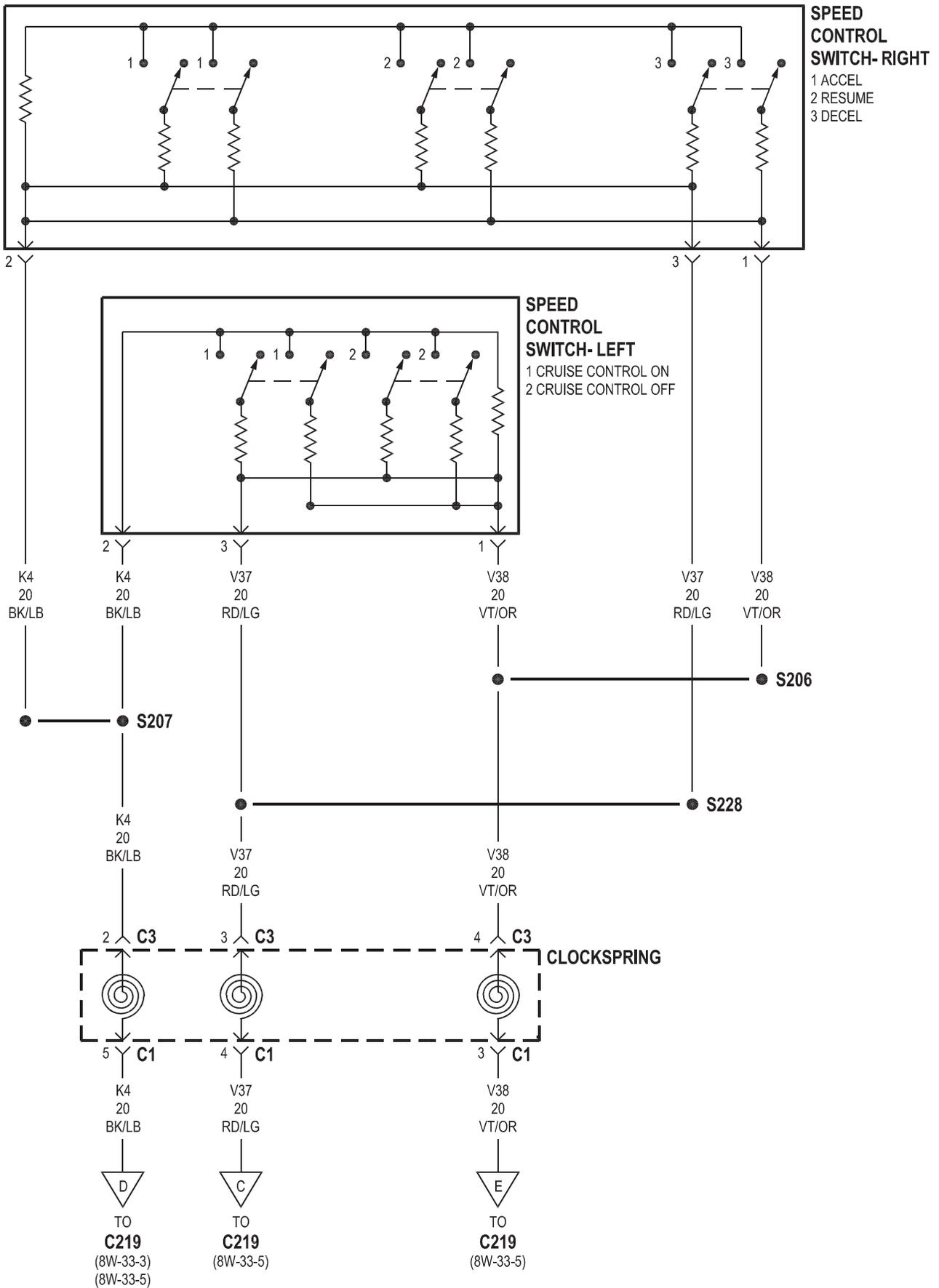
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Brake Lamp Switch . . . . .	8W-33-2, 6	G104 . . . . .	8W-33-2
Center High Mounted Stop Lamp- Aftermarket . . . . .	8W-33-6	G201 . . . . .	8W-33-6
Center High Mounted Stop Lamp/Cargo Lamp . . . . .	8W-33-6	Instrument Cluster . . . . .	8W-33-6
Clockspring . . . . .	8W-33-3, 4	Integrated Power Module . . . . .	8W-33-6
Controller Antilock Brake . . . . .	8W-33-6	Powertrain Control Module . . . . .	8W-33-2, 5, 6
Electric Brake Provision . . . . .	8W-33-6	Speed Control Servo . . . . .	8W-33-2
Fuse 24 . . . . .	8W-33-6	Speed Control Switch-Left . . . . .	8W-33-3, 4
		Speed Control Switch-Right . . . . .	8W-33-3, 4



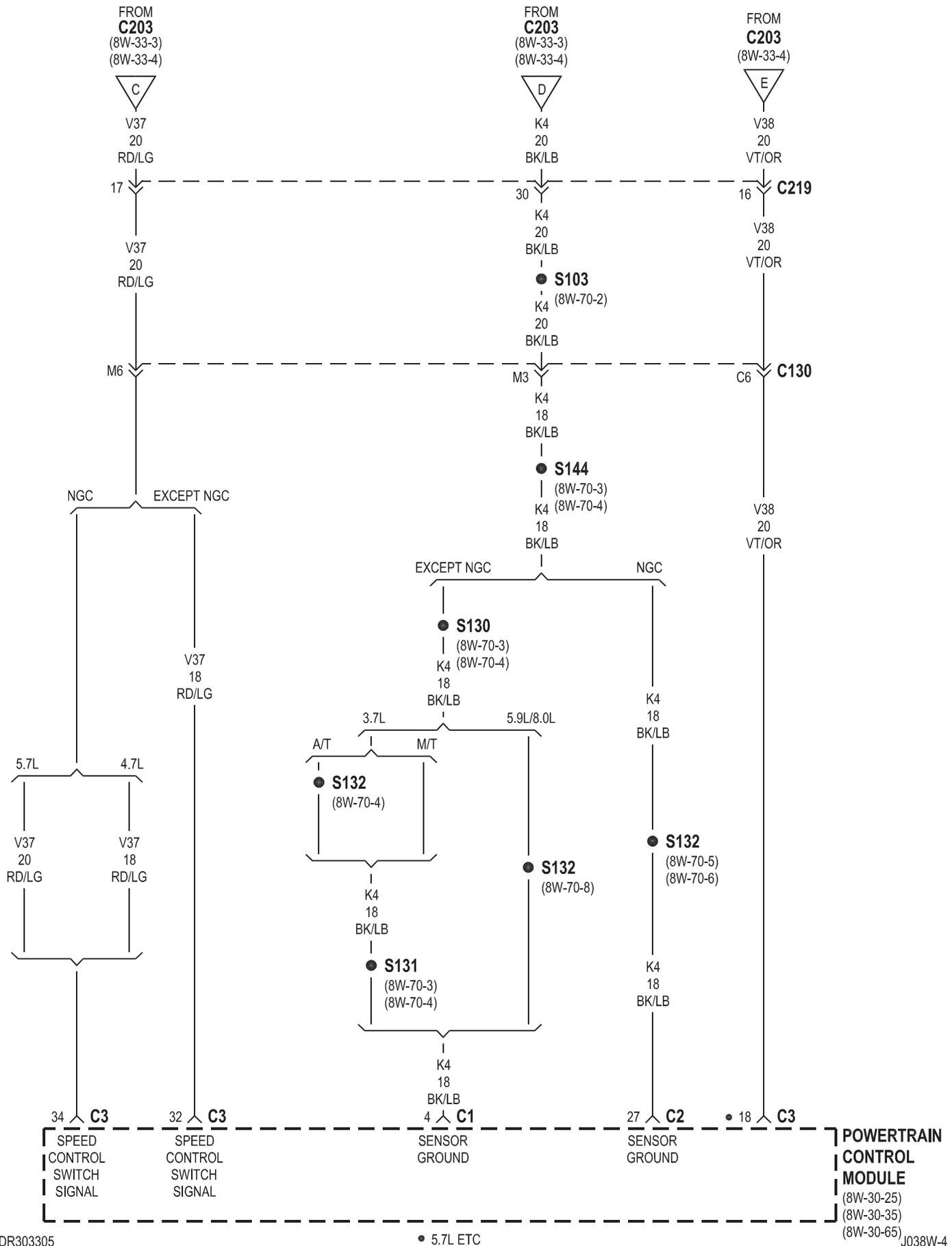
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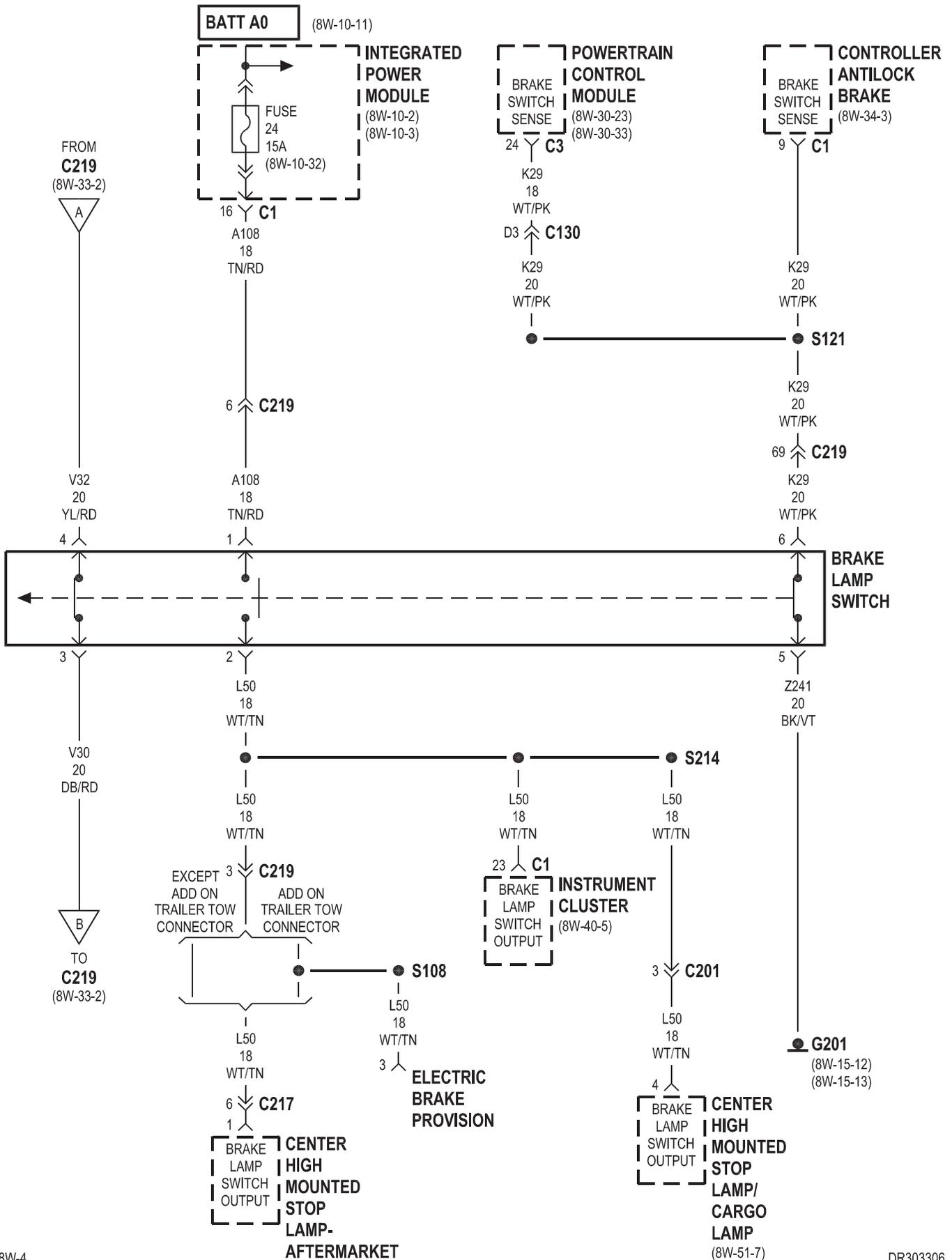


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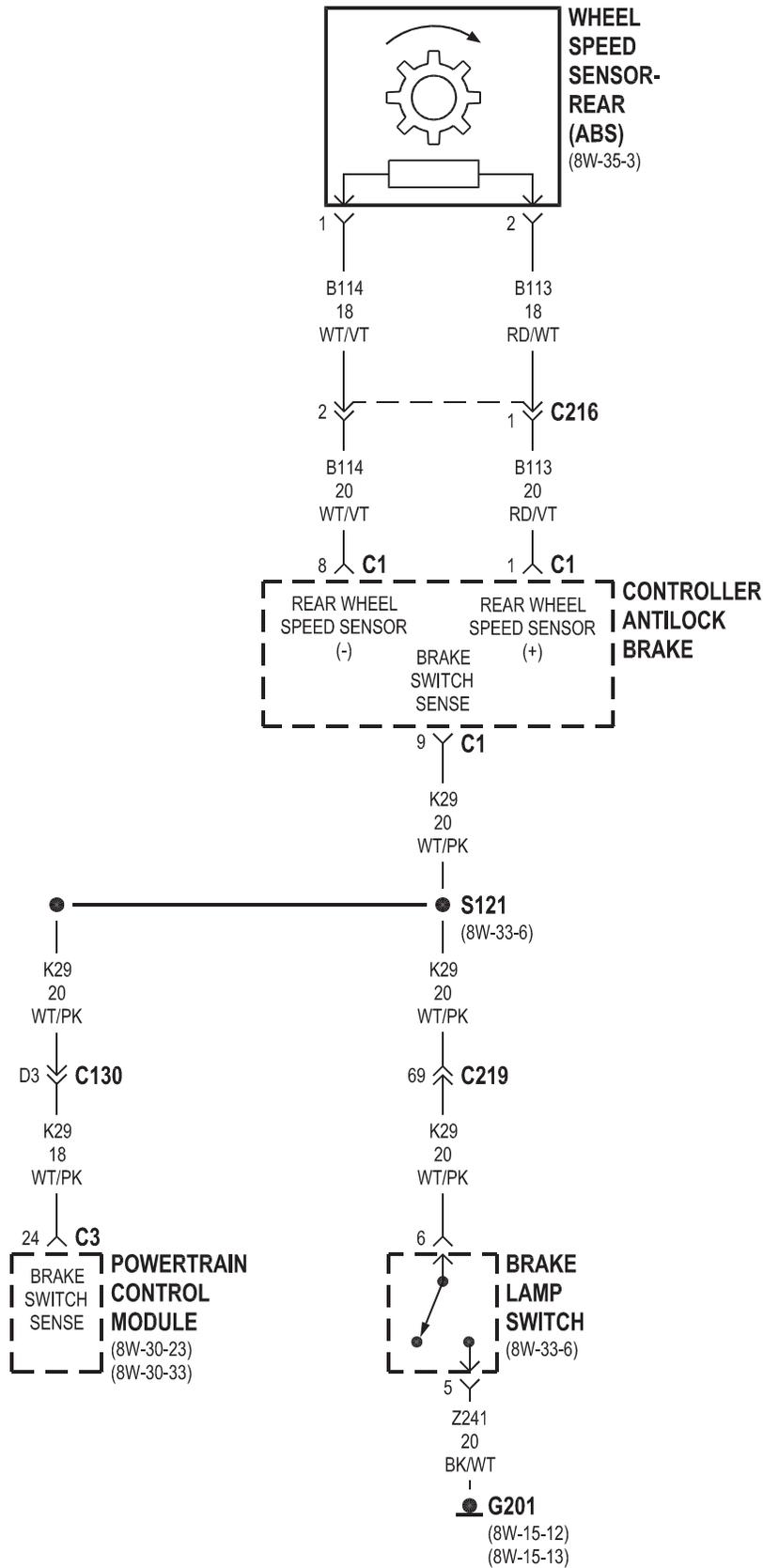


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## 8W-34 REAR WHEEL ANTILOCK BRAKES

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Brake Lamp Switch . . . . .	8W-34-3	Integrated Power Module . . . . .	8W-34-2
Controller Antilock Brake . . . . .	8W-34-2, 3	Powertrain Control Module . . . . .	8W-34-2, 3
Data Link Connector . . . . .	8W-34-2	Red Brake Warning Indicator Switch . . . . .	8W-34-2
Fuse 6 . . . . .	8W-34-2	Transmission Control Module . . . . .	8W-34-2
Fuse 35 . . . . .	8W-34-2	Wheel Speed Sensor-Rear . . . . .	8W-34-3
G106 . . . . .	8W-34-2		
G201 . . . . .	8W-34-3		





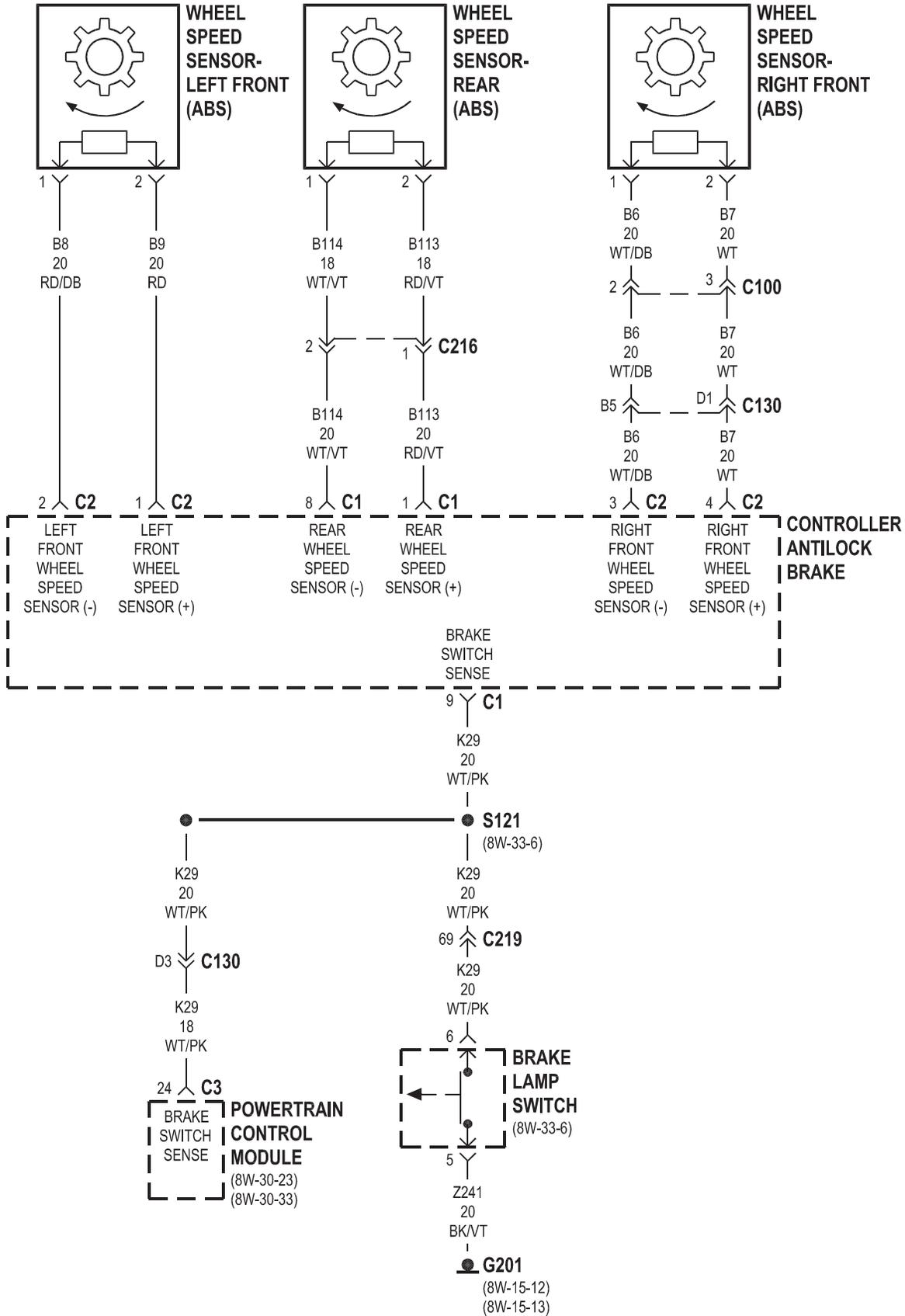
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## 8W-35 ALL WHEEL ANTILOCK BRAKES

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Brake Lamp Switch . . . . .	8W-35-3	Powertrain Control Module . . . . .	8W-35-2, 3
Controller Antilock Brake . . . . .	8W-35-2, 3	Red Brake Warning Indicator Switch . . . . .	8W-35-2
Data Link Connector . . . . .	8W-35-2	Transmission Control Module . . . . .	8W-35-2
Fuse 6 . . . . .	8W-35-2	Wheel Speed Sensor-Left Front . . . . .	8W-35-3
Fuse 35 . . . . .	8W-35-2	Wheel Speed Sensor-Rear . . . . .	8W-35-3
G106 . . . . .	8W-35-2	Wheel Speed Sensor-Right Front . . . . .	8W-35-3
G201 . . . . .	8W-35-3		
Integrated Power Module . . . . .	8W-35-2		



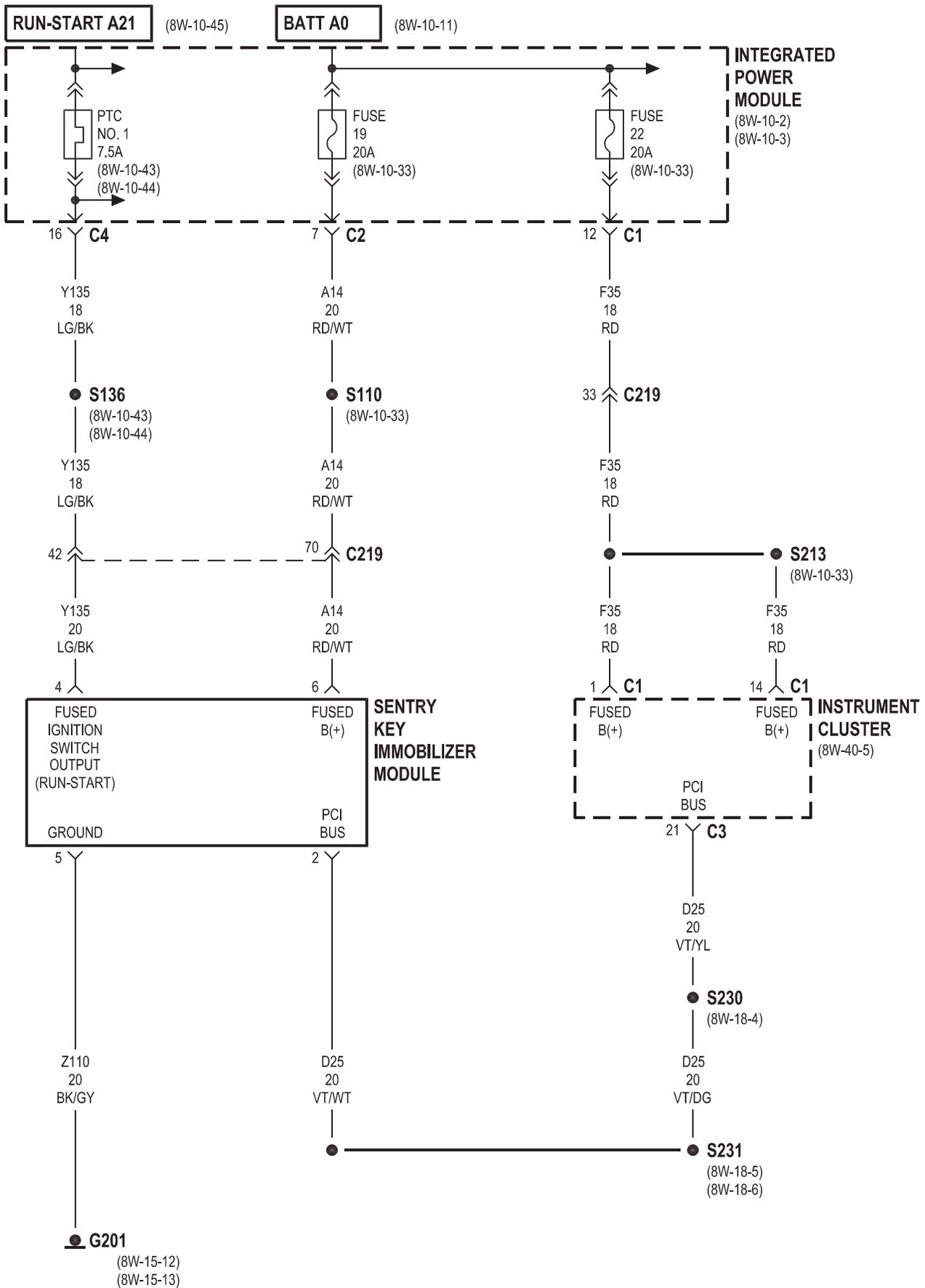


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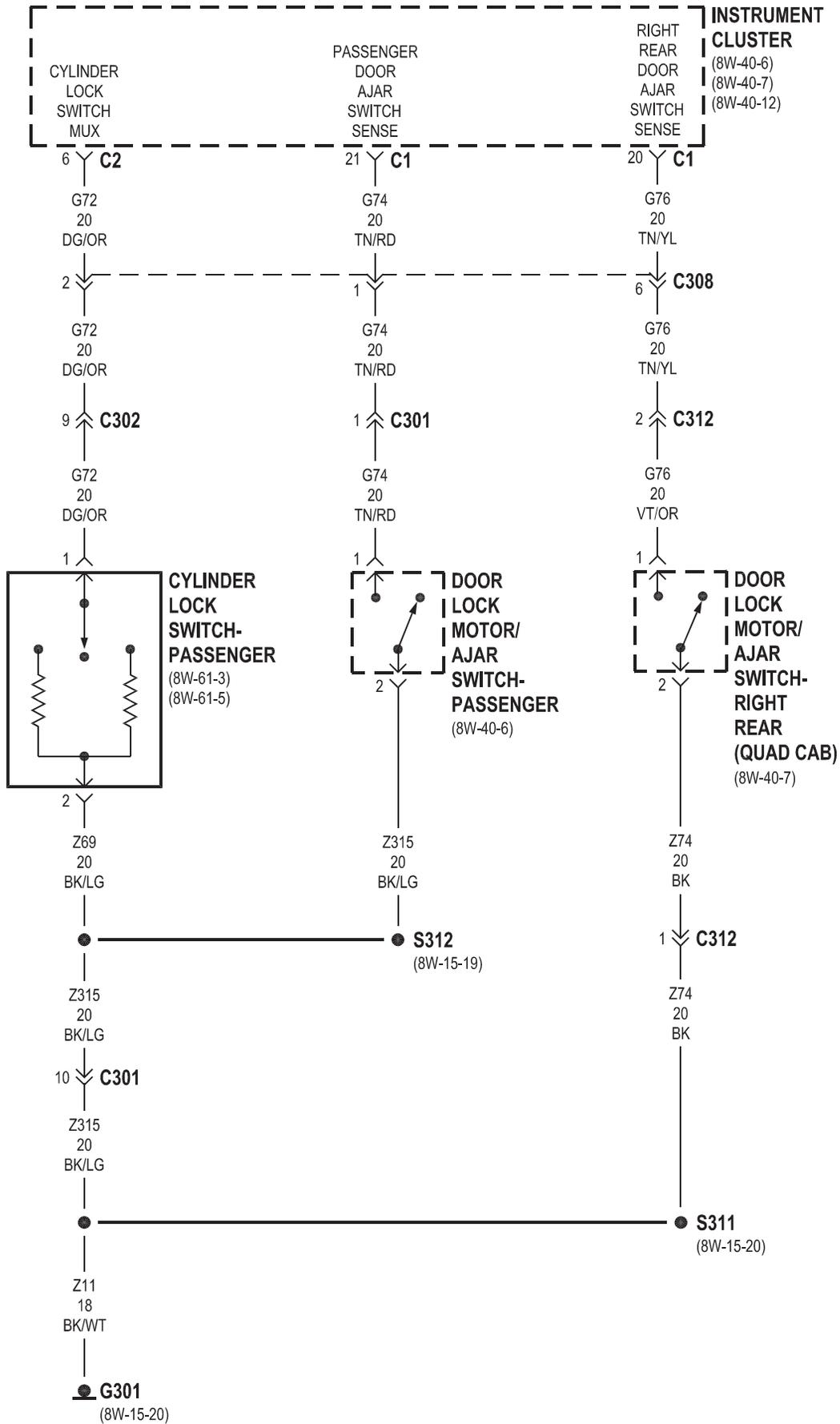
## 8W-39 VEHICLE THEFT SECURITY SYSTEM

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Cylinder Lock Switch-Driver . . . . .	8W-39-5	G106 . . . . .	8W-39-3
Cylinder Lock Switch-Passenger . . . . .	8W-39-4	G201 . . . . .	8W-39-2
Data Link Connector . . . . .	8W-39-3	G301 . . . . .	8W-39-4, 5
Door Lock Motor/Ajar Switch-Driver . . . . .	8W-39-5	Headlamp-Left . . . . .	8W-39-3
Door Lock Motor/Ajar Switch-Left Rear . . .	8W-39-5	Headlamp-Right . . . . .	8W-39-3
Door Lock Motor/Ajar Switch-Passenger . .	8W-39-4	Horn Relay . . . . .	8W-39-3
Door Lock Motor/Ajar Switch-Right Rear . .	8W-39-4	Instrument Cluster . . . . .	8W-39-2, 4, 5
Front Control Module . . . . .	8W-39-3	Integrated Power Module . . . . .	8W-39-2, 3
Fuse 15 . . . . .	8W-39-3	Park Lamp Relay . . . . .	8W-39-3
Fuse 19 . . . . .	8W-39-2	PTC No. 1 . . . . .	8W-39-2
Fuse 22 . . . . .	8W-39-2	Sentry Key Immobilizer Module . . . . .	8W-39-2
Fuse 45 . . . . .	8W-39-3		
G105 . . . . .	8W-39-3		

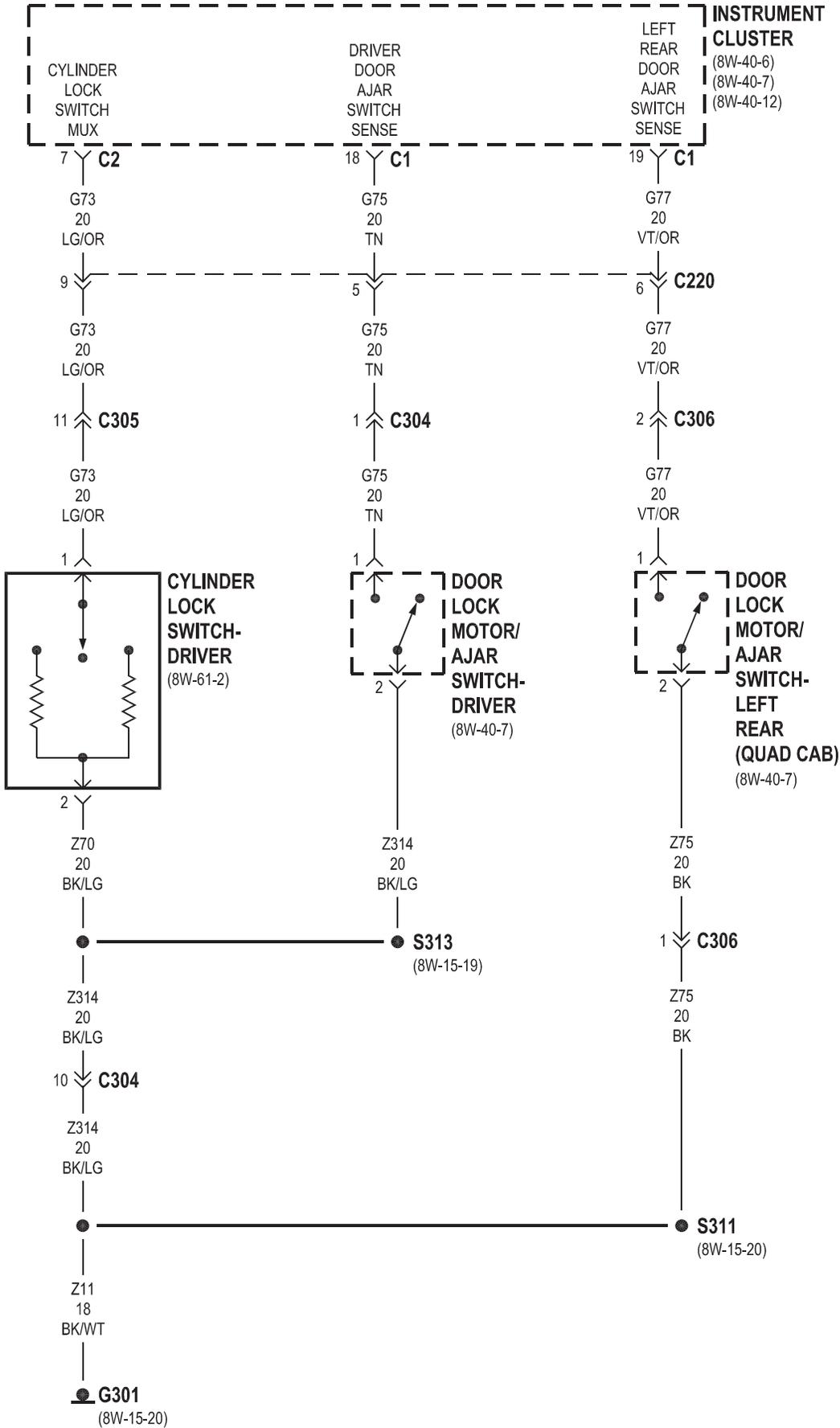


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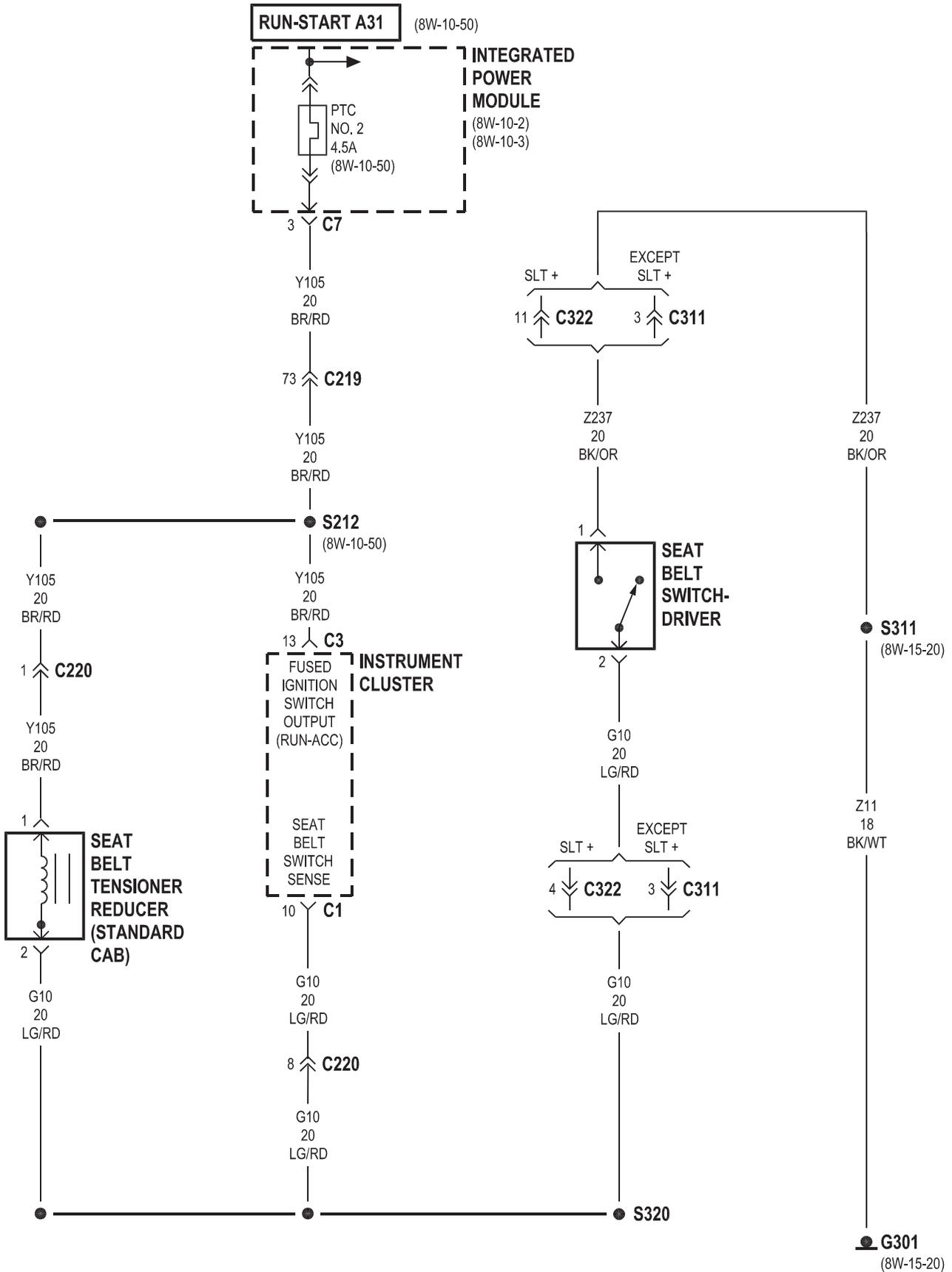


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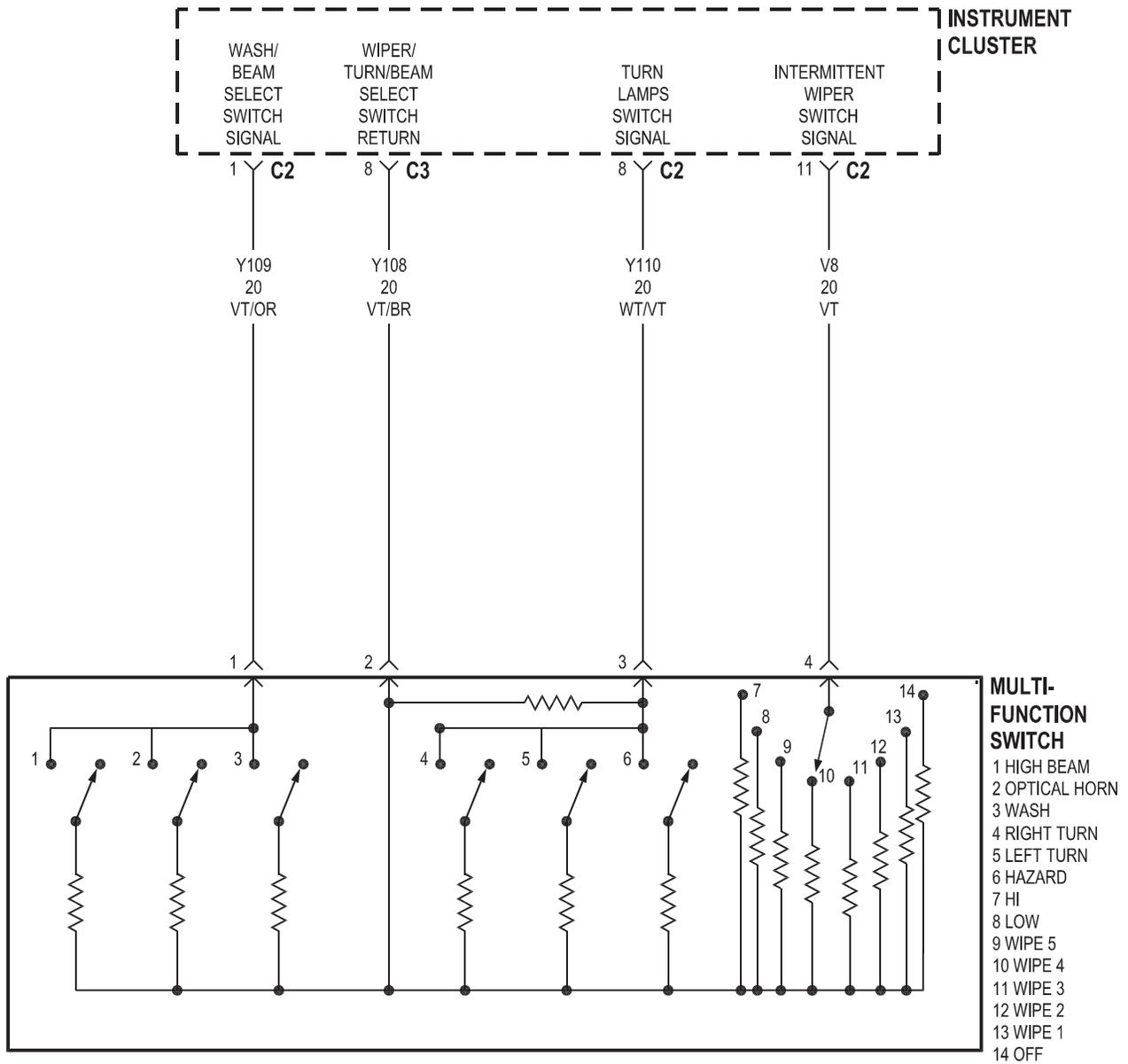
## 8W-40 INSTRUMENT CLUSTER

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
A/C-Heater Control . . . . .	8W-40-11	Fuse 41 . . . . .	8W-40-3
Brake Transmission Shift Interlock Solenoid . . . . .	8W-40-10	G201 . . . . .	8W-40-3, 11
Center High Mounted Stop Lamp/Cargo Lamp . . . . .	8W-40-5, 11	G202 . . . . .	8W-40-10
Clockspring . . . . .	8W-40-10, 13	G301 . . . . .	8W-40-2, 6, 7, 12
Cylinder Lock Switch- Driver . . . . .	8W-40-6	Glove Box Lamp And Switch . . . . .	8W-40-11
Cylinder Lock Switch- Passenger . . . . .	8W-40-6	Headlamp Switch . . . . .	8W-40-3
Data Link Connector . . . . .	8W-40-5	Heated Seat Switch- Driver . . . . .	8W-40-8, 11
Dome Lamp . . . . .	8W-40-11	Heated Seat Switch- Passenger . . . . .	8W-40-8, 11
Door Ajar Switch-Driver . . . . .	8W-40-12	Horn Switch . . . . .	8W-40-13
Door Ajar Switch-Left Rear . . . . .	8W-40-12	Ignition Switch . . . . .	8W-40-5, 13
Door Ajar Switch-Passenger . . . . .	8W-40-12	Instrument Cluster . . . . .	8W-40-2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Door Ajar Switch-Right Rear . . . . .	8W-40-12	Integrated Power Module . . . . .	8W-40-2, 3, 5, 9
Door Lock Motor/Ajar Switch-Driver . . . . .	8W-40-7	Multi-Function Switch . . . . .	8W-40-4
Door Lock Motor/Ajar Switch-Left Rear . . . . .	8W-40-7	Park Brake Switch . . . . .	8W-40-13
Door Lock Motor/Ajar Switch- Passenger . . . . .	8W-40-6, 8	Powertrain Control Module . . . . .	8W-40-13
Door Lock Motor/Ajar Switch- Right Rear . . . . .	8W-40-7, 8	PTC No. 2 . . . . .	8W-40-2, 9
Door Lock Switch-Passenger . . . . .	8W-40-6	Radio . . . . .	8W-40-9, 11
Driver Door Module . . . . .	8W-40-8	Remote Radio Switch-Left . . . . .	8W-40-10
Fog Lamp Relay . . . . .	8W-40-3	Remote Radio Switch-Right . . . . .	8W-40-10
Fog Lamp-Left . . . . .	8W-40-3	Seat Belt Switch-Driver . . . . .	8W-40-2
Fog Lamp-Right . . . . .	8W-40-3	Seat Belt Tensioner Reducer . . . . .	8W-40-2
Fuse 18 . . . . .	8W-40-5	Transfer Case Selector Switch . . . . .	8W-40-13
Fuse 22 . . . . .	8W-40-5	Transmission Control Module . . . . .	8W-40-13
		Transmission Range Sensor . . . . .	8W-40-5

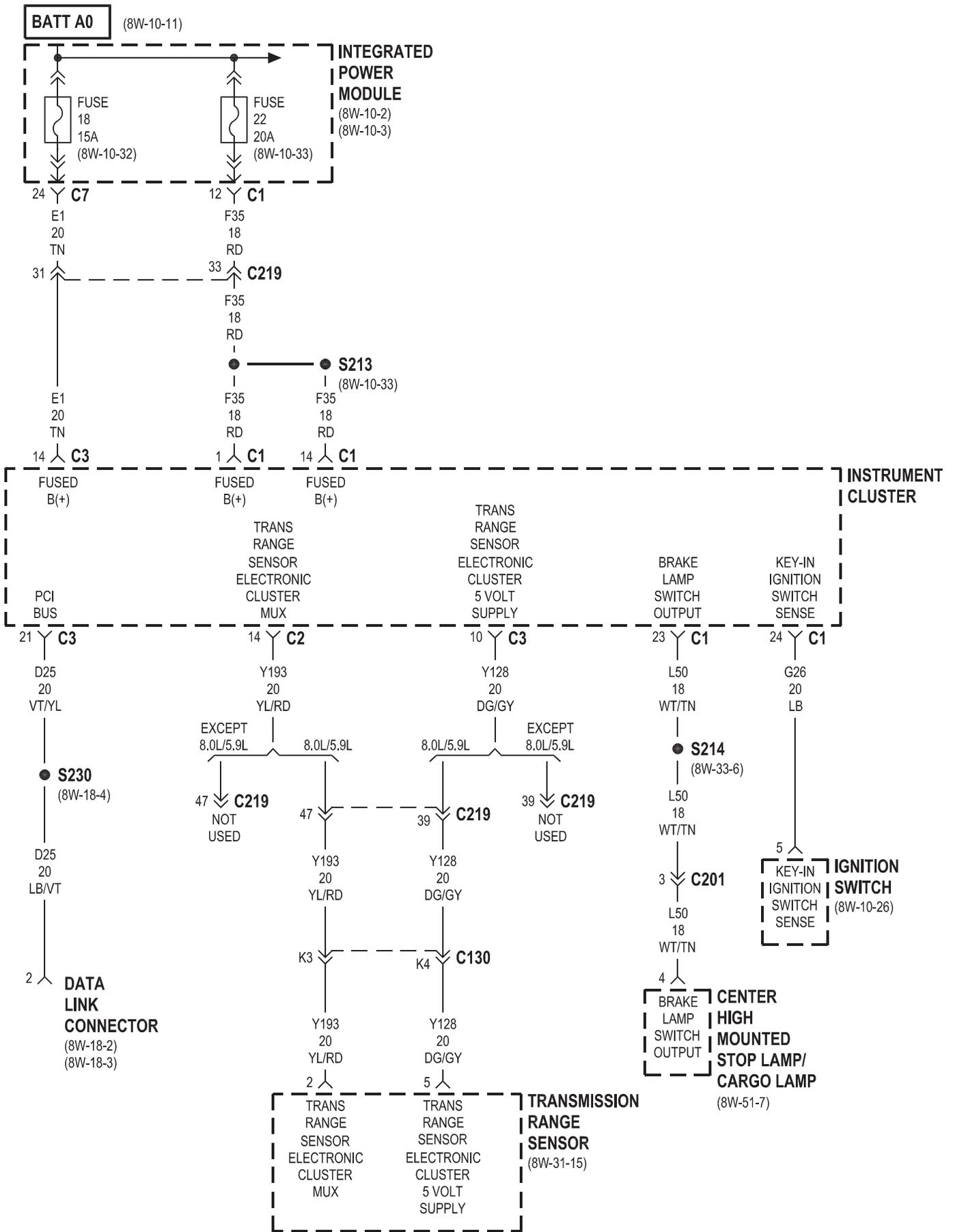


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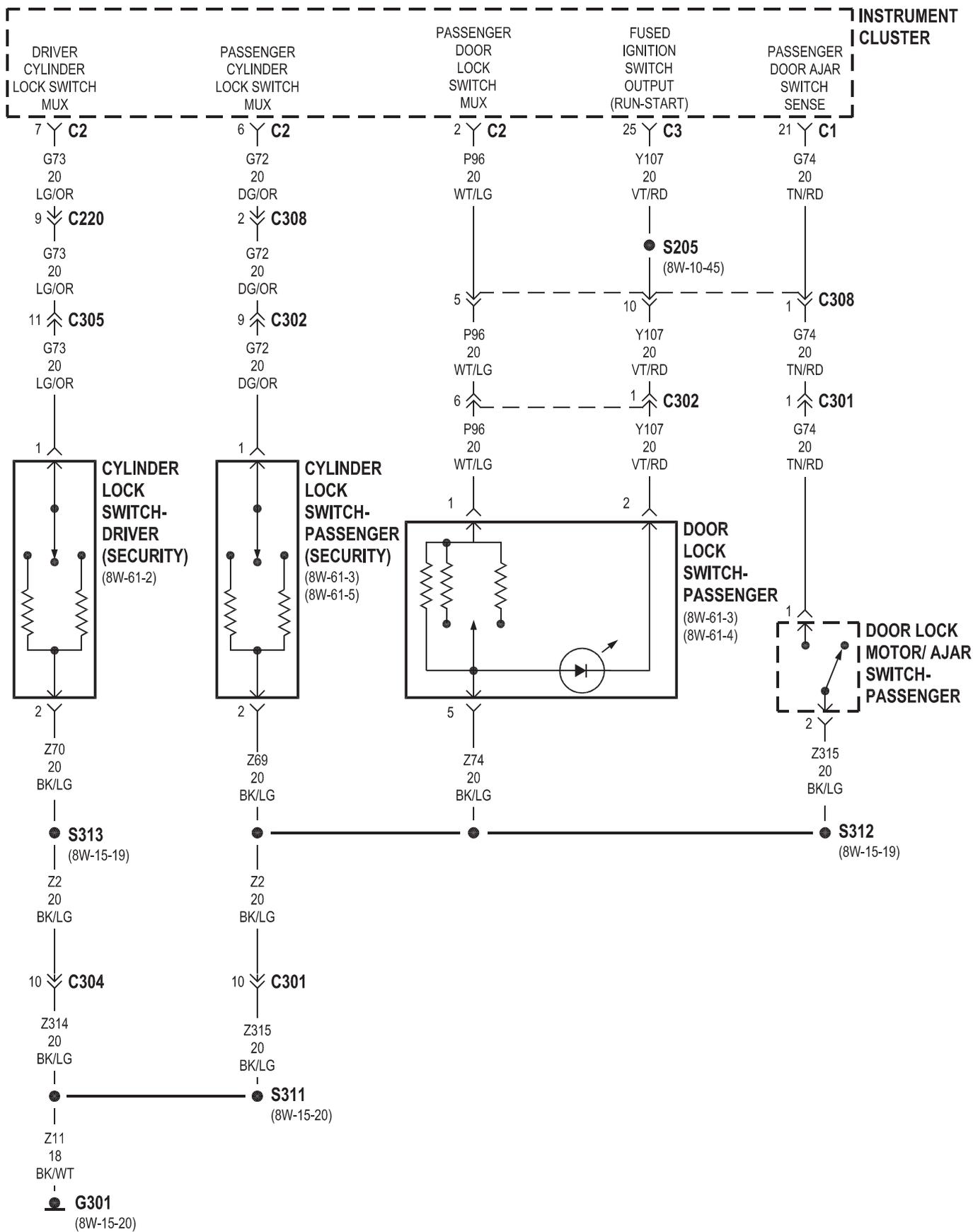




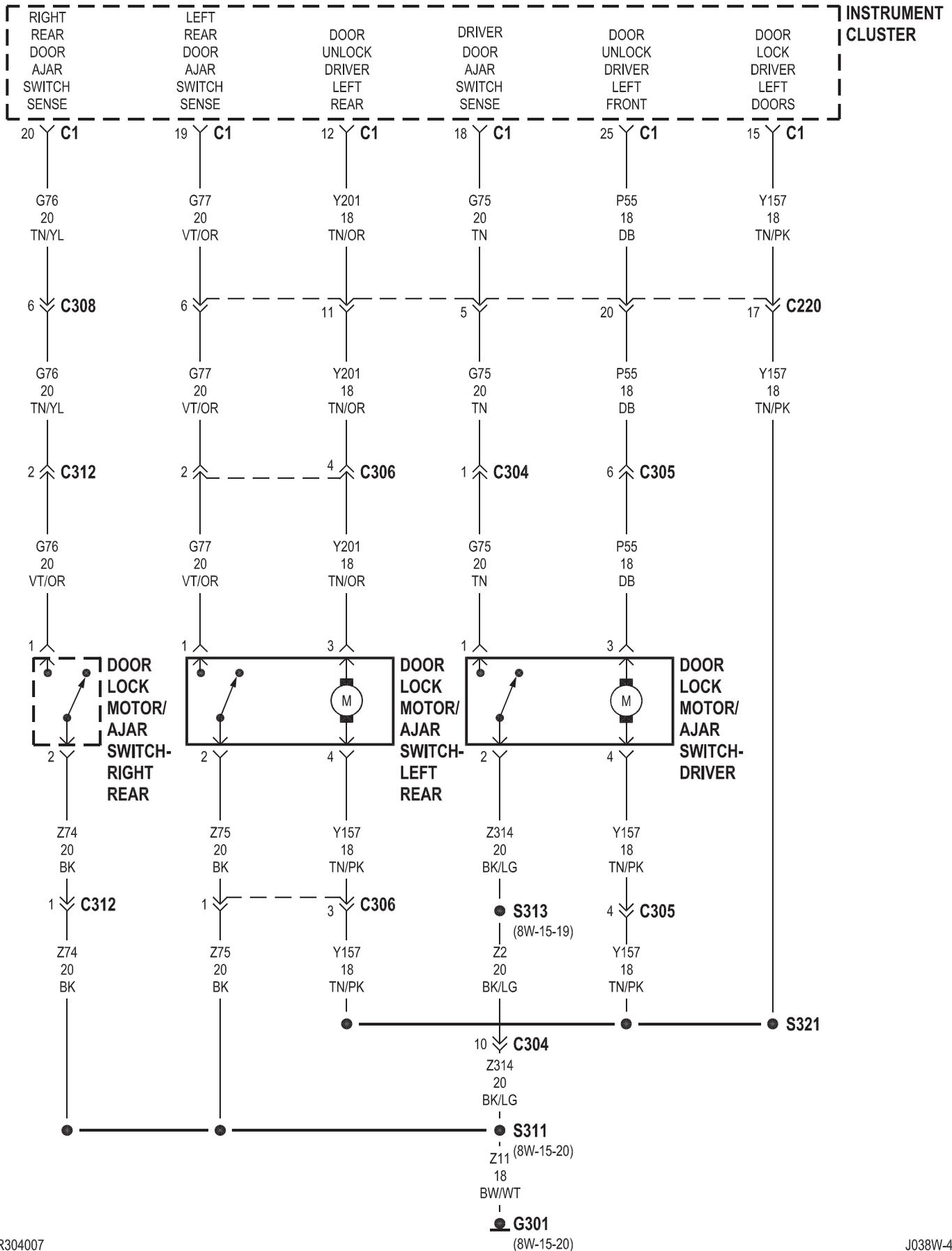
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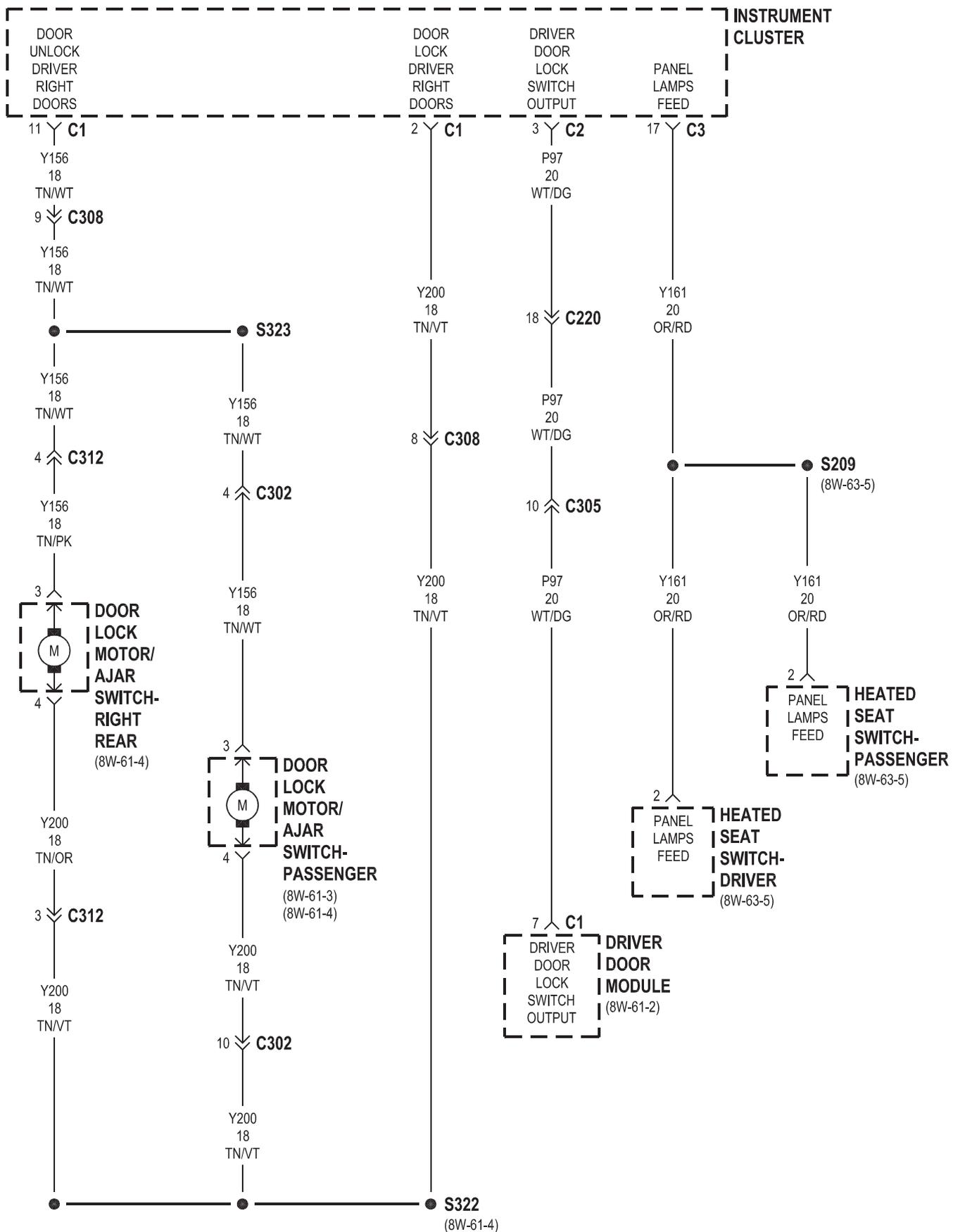
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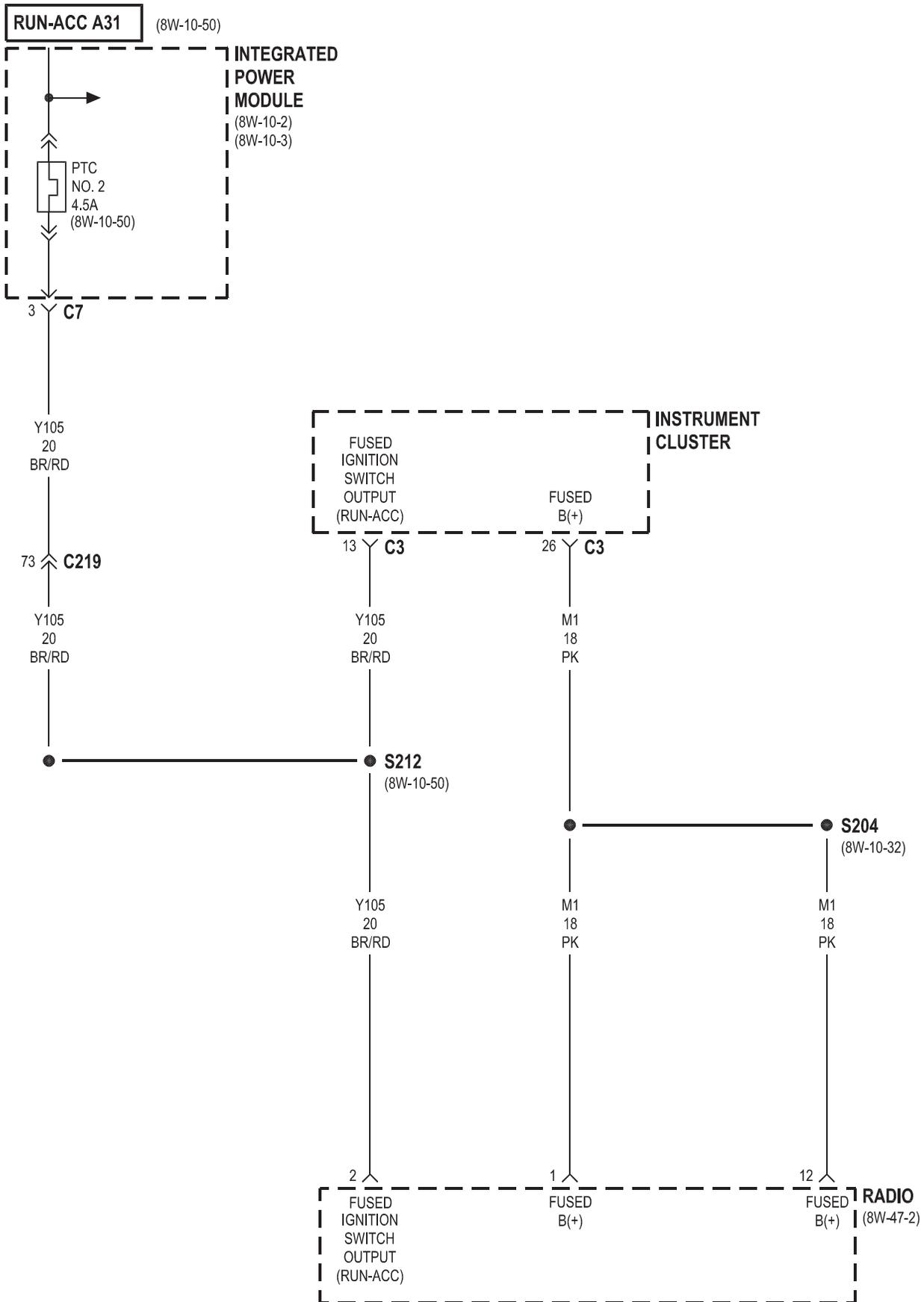
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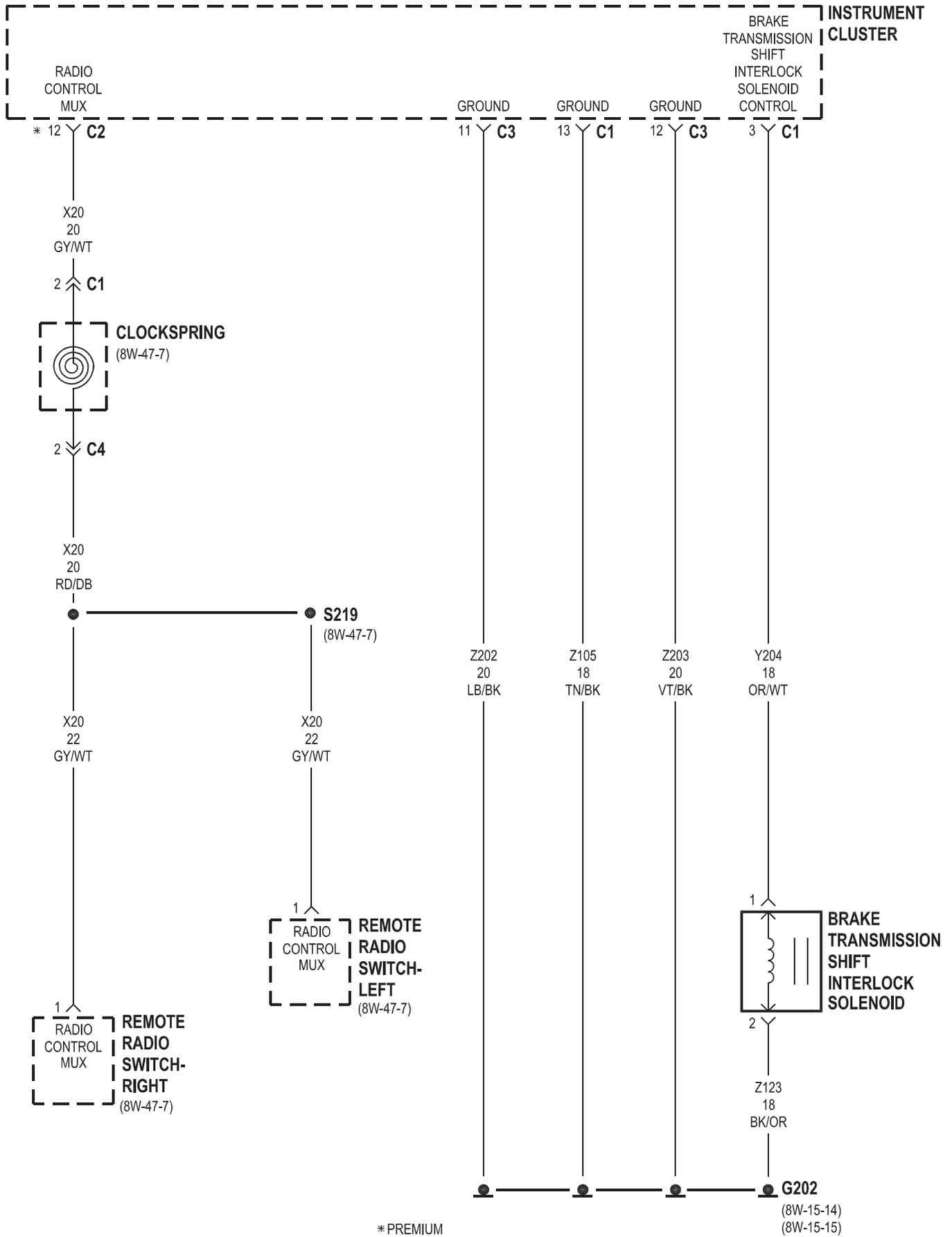
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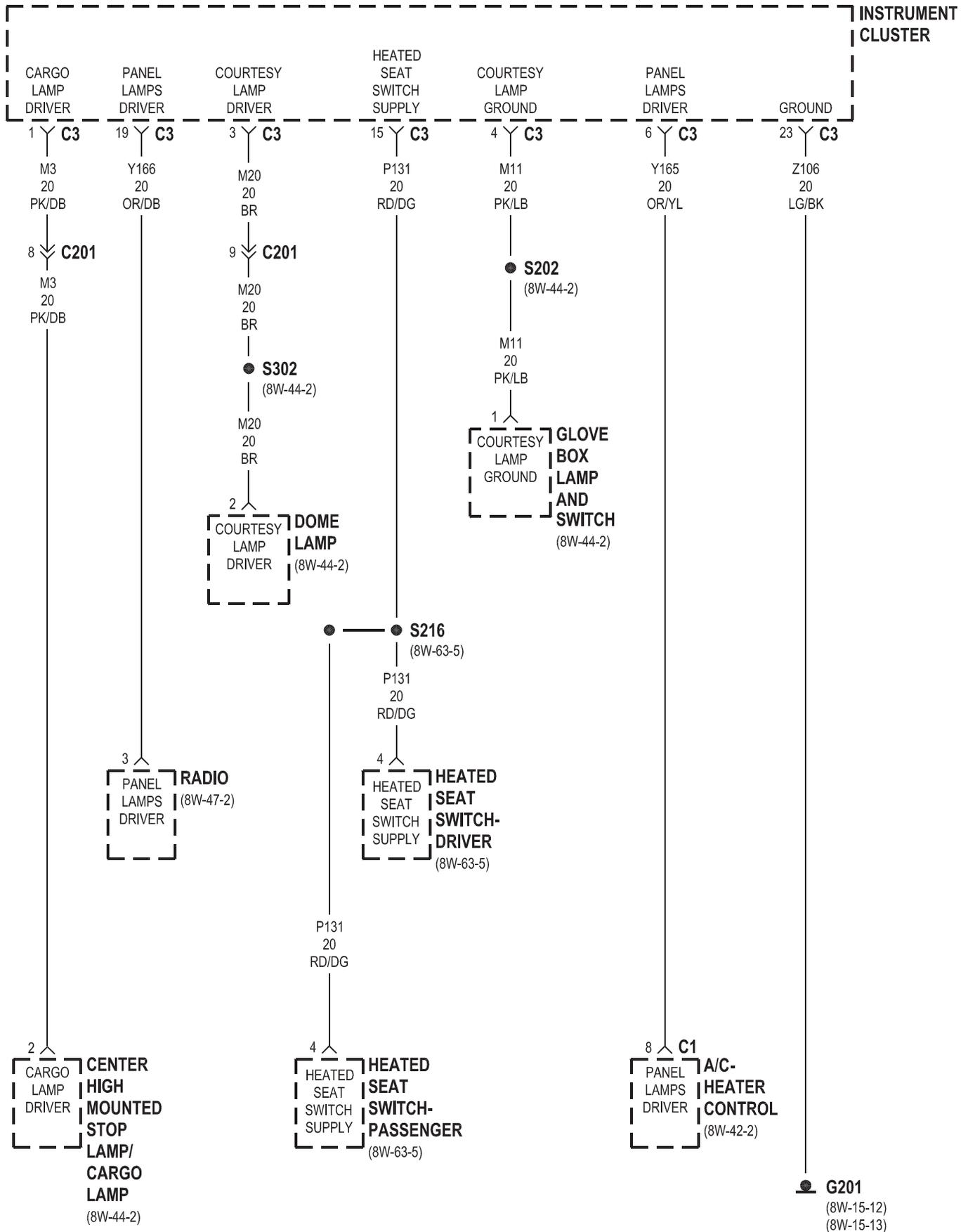
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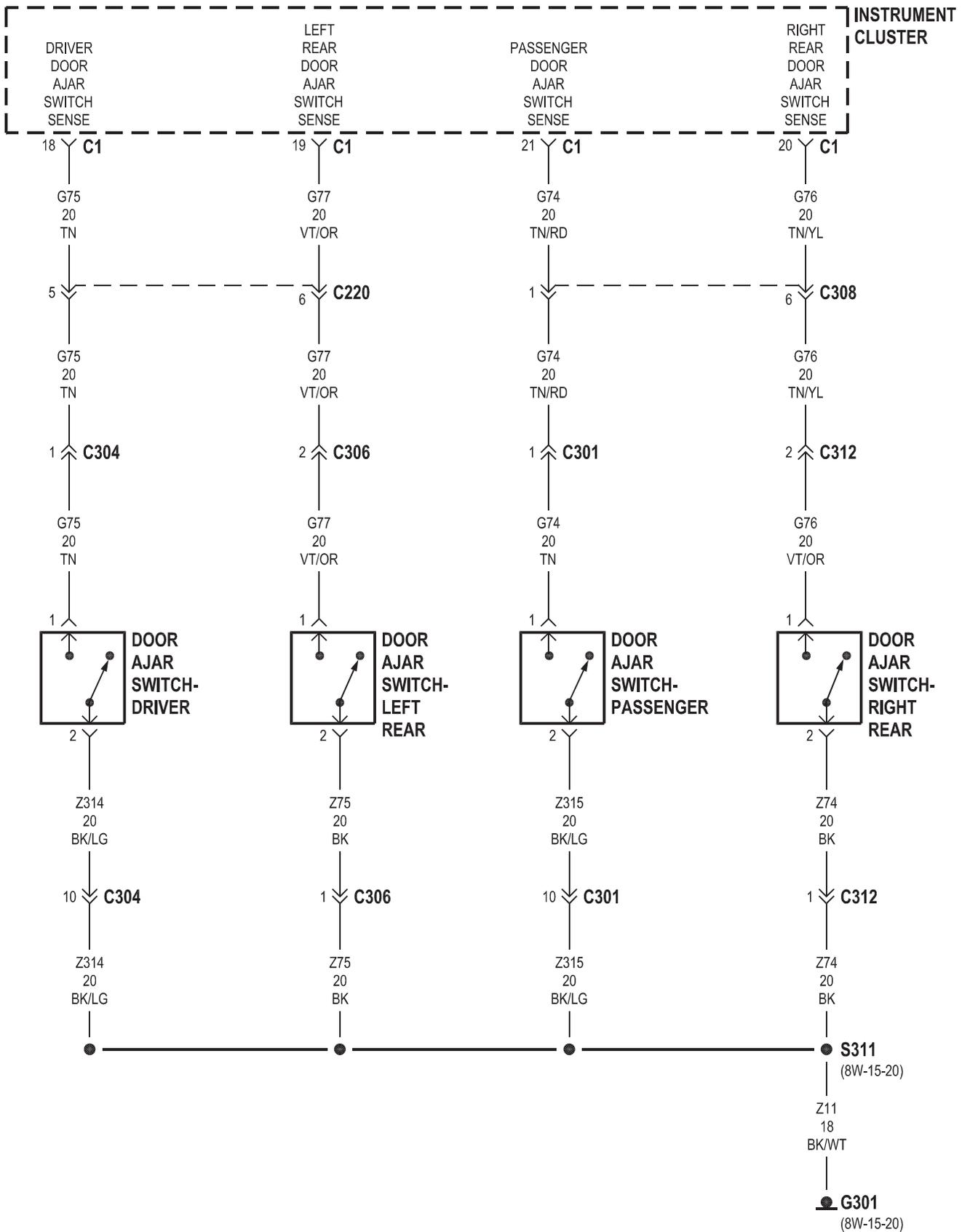
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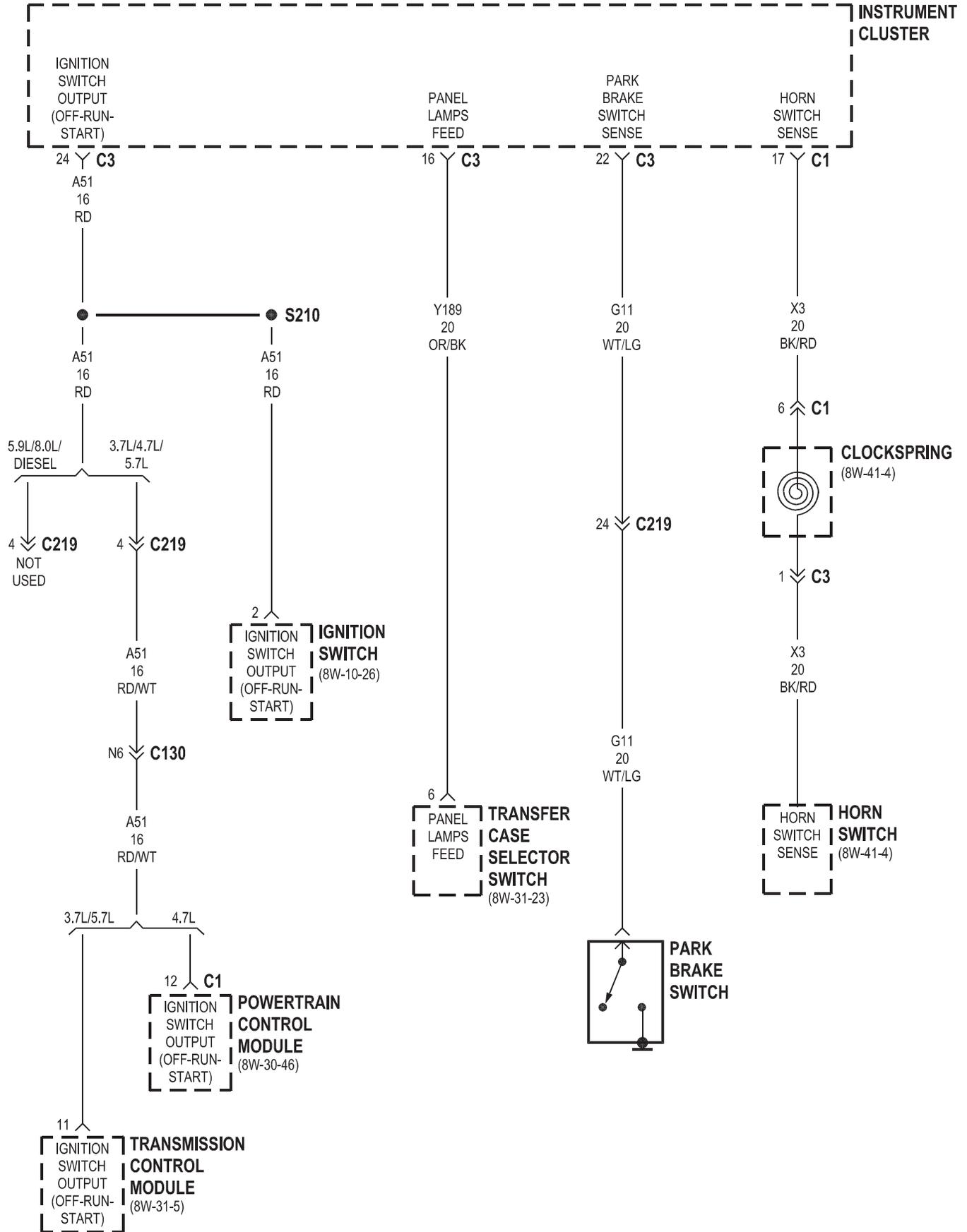
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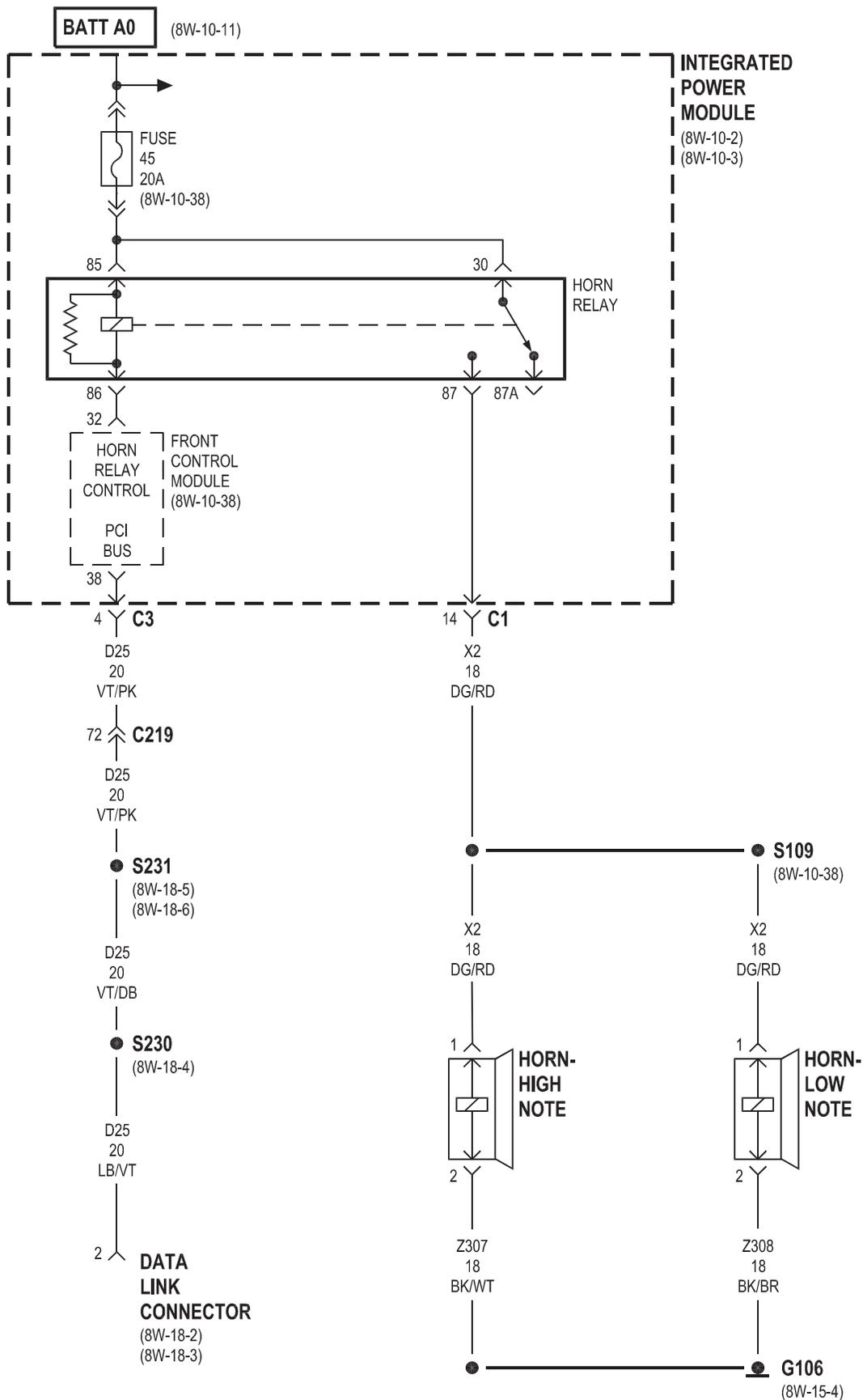


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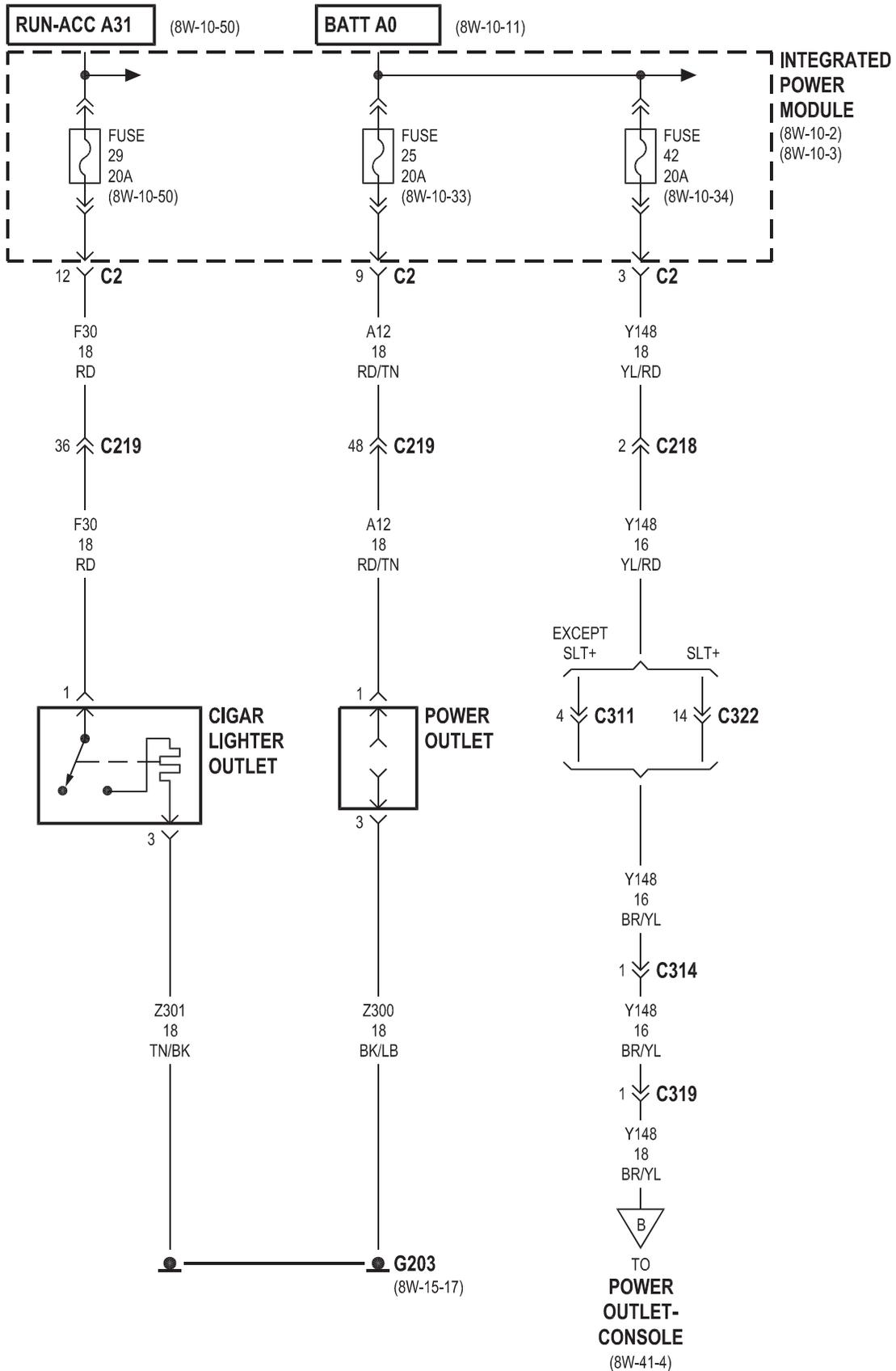


## 8W-41 HORN/CIGAR LIGHTER/POWER OUTLET

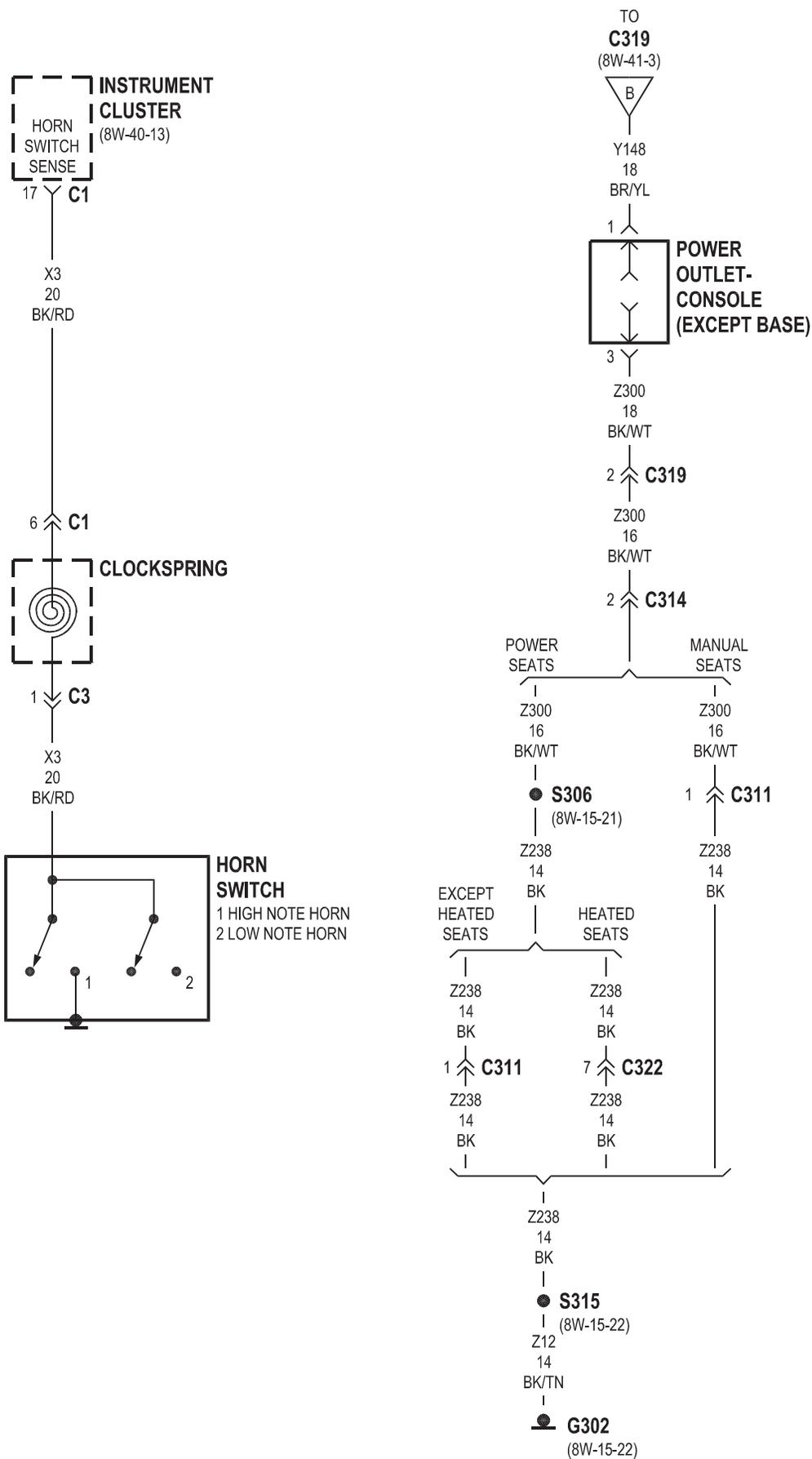
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Cigar Lighter Outlet . . . . .	8W-41-3	G302 . . . . .	8W-41-4
Clockspring . . . . .	8W-41-4	Horn Relay . . . . .	8W-41-2
Data Link Connector . . . . .	8W-41-2	Horn Switch . . . . .	8W-41-4
Front Control Module . . . . .	8W-41-2	Horn-High Note . . . . .	8W-41-2
Fuse 25 . . . . .	8W-41-3	Horn-Low Note . . . . .	8W-41-2
Fuse 29 . . . . .	8W-41-3	Instrument Cluster . . . . .	8W-41-4
Fuse 42 . . . . .	8W-41-3	Integrated Power Module . . . . .	8W-41-2, 3
Fuse 45 . . . . .	8W-41-2	Power Outlet . . . . .	8W-41-3
G106 . . . . .	8W-41-2	Power Outlet-Console . . . . .	8W-41-3, 4
G203 . . . . .	8W-41-3		



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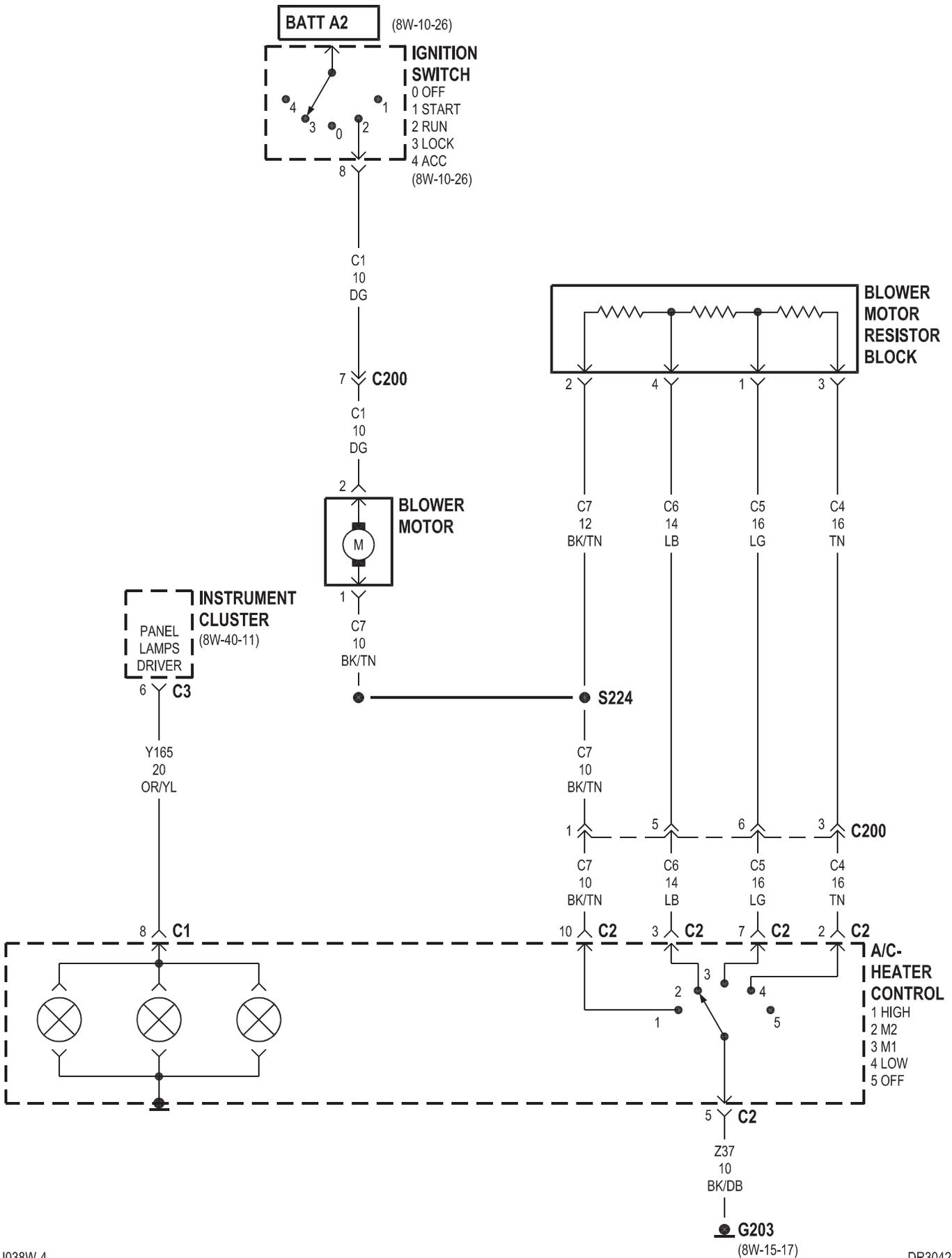
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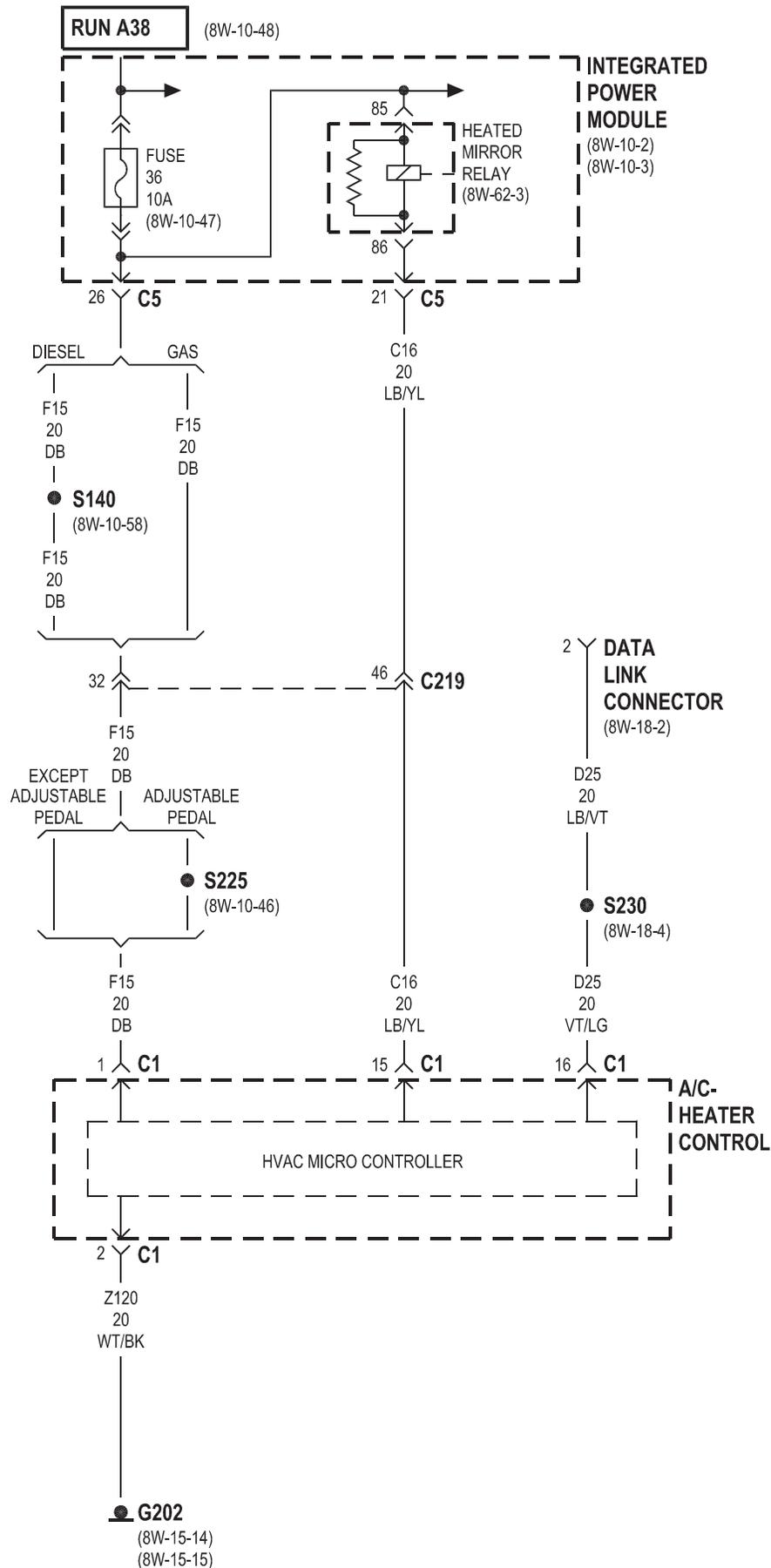
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## 8W-42 AIR CONDITIONING

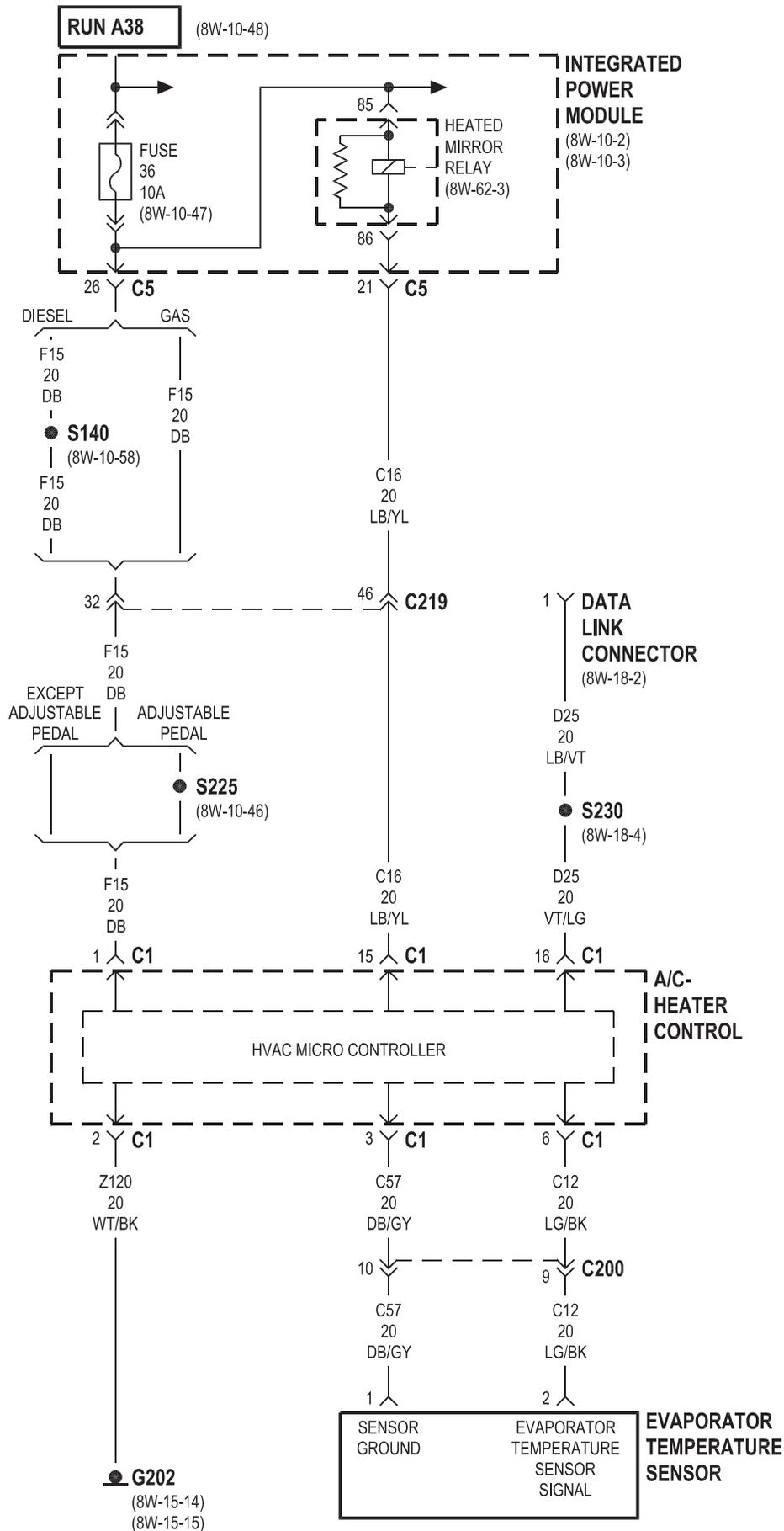
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
A/C Compressor Clutch . . . . .	8W-42-7	G107 . . . . .	8W-42-7
A/C Compressor Clutch Relay . . . . .	8W-42-7	G120 . . . . .	8W-42-7
A/C Pressure Transducer . . . . .	8W-42-8, 9	G202 . . . . .	8W-42-3
A/C-Heater Control . . . . .	8W-42-2, 3, 4, 5, 6	G202 . . . . .	8W-42-4
Blend Door Actuator . . . . .	8W-42-6	G203 . . . . .	8W-42-2
Blower Motor . . . . .	8W-42-2	Heated Mirror Relay . . . . .	8W-42-3, 4
Blower Motor Resistor Block . . . . .	8W-42-2	Ignition Switch . . . . .	8W-42-2
Condenser Fan . . . . .	8W-42-10	Instrument Cluster . . . . .	8W-42-2
Condenser Fan Relay . . . . .	8W-42-10	Integrated Power Module . . . . .	8W-42-3, 4, 7, 10
Data Link Connector . . . . .	8W-42-3, 4, 8	Mode Door Actuator 1 . . . . .	8W-42-5, 6
Driver Blend Door Actuator . . . . .	8W-42-5	Mode Door Actuator 2 . . . . .	8W-42-5, 6
Engine Control Module . . . . .	8W-42-7, 9	Passenger Blend Door Actuator . . . . .	8W-42-5
Evaporator Temperature Sensor . . . . .	8W-42-4	Powertrain Control Module . . . . .	8W-42-7, 8, 10
Fuse 12 . . . . .	8W-42-10	PTC No. 1 . . . . .	8W-42-7
Fuse 16 . . . . .	8W-42-7	Recirculation Door Actuator . . . . .	8W-42-5, 6
Fuse 36 . . . . .	8W-42-3		
Fuse 36 . . . . .	8W-42-4		



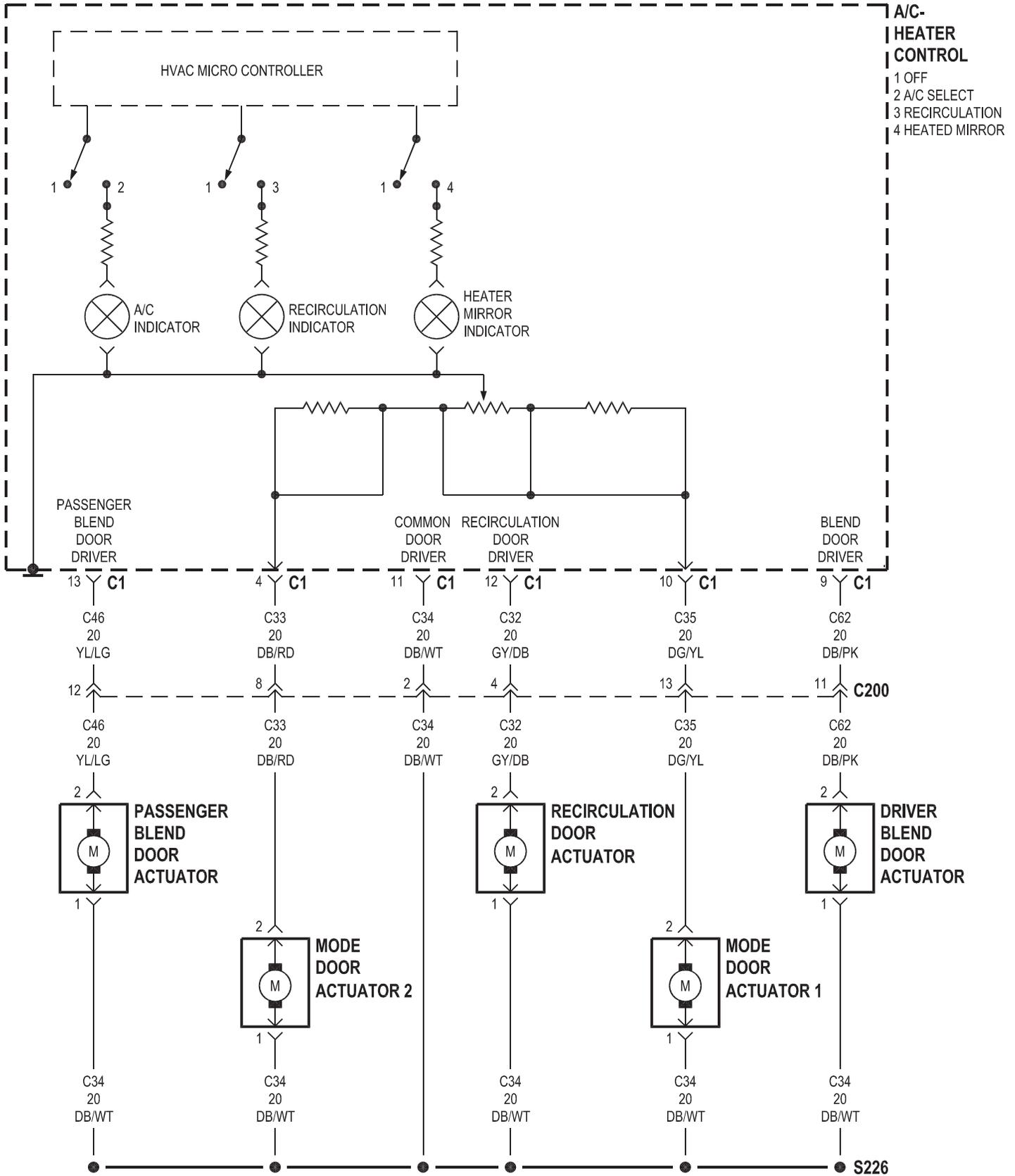
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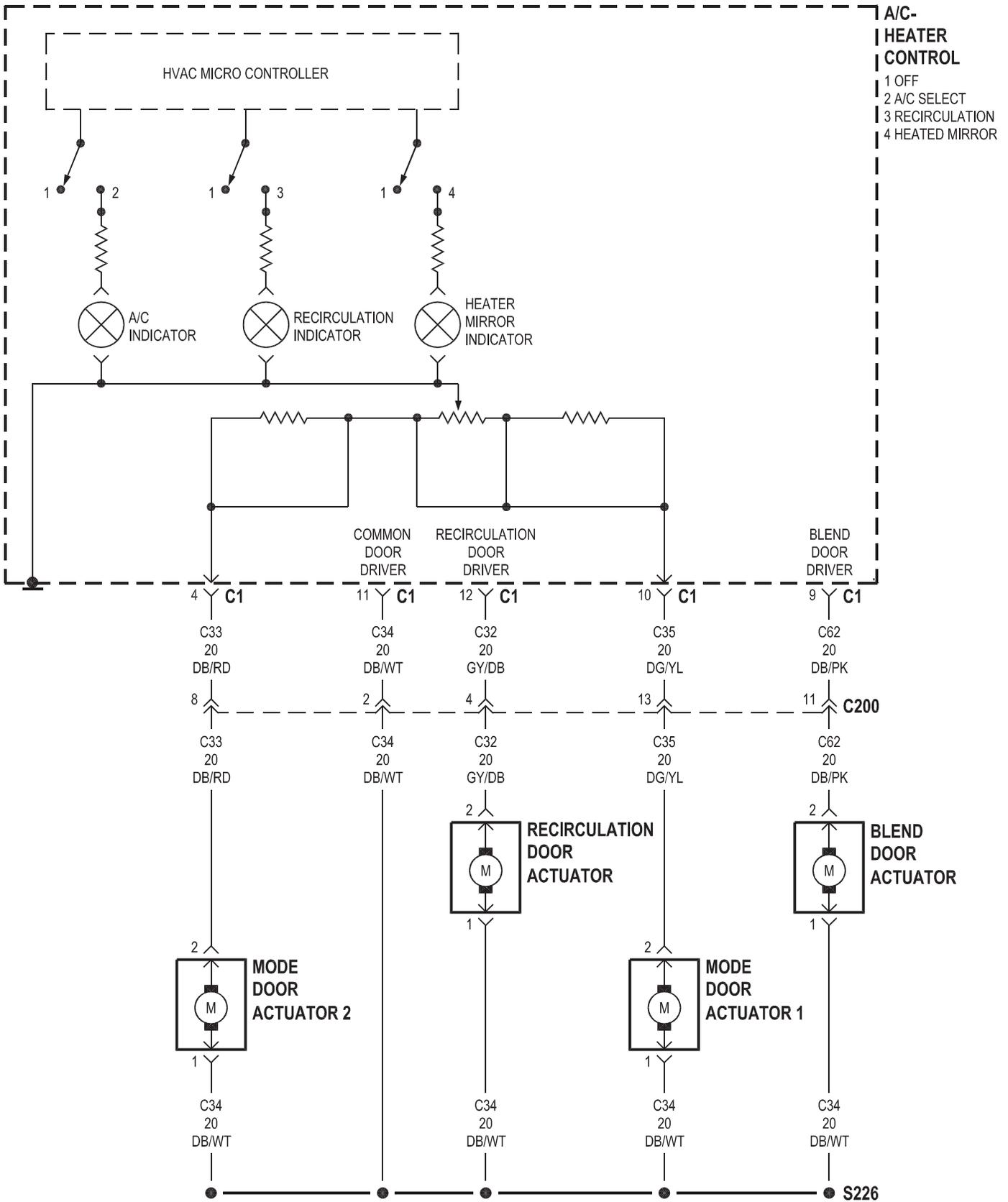
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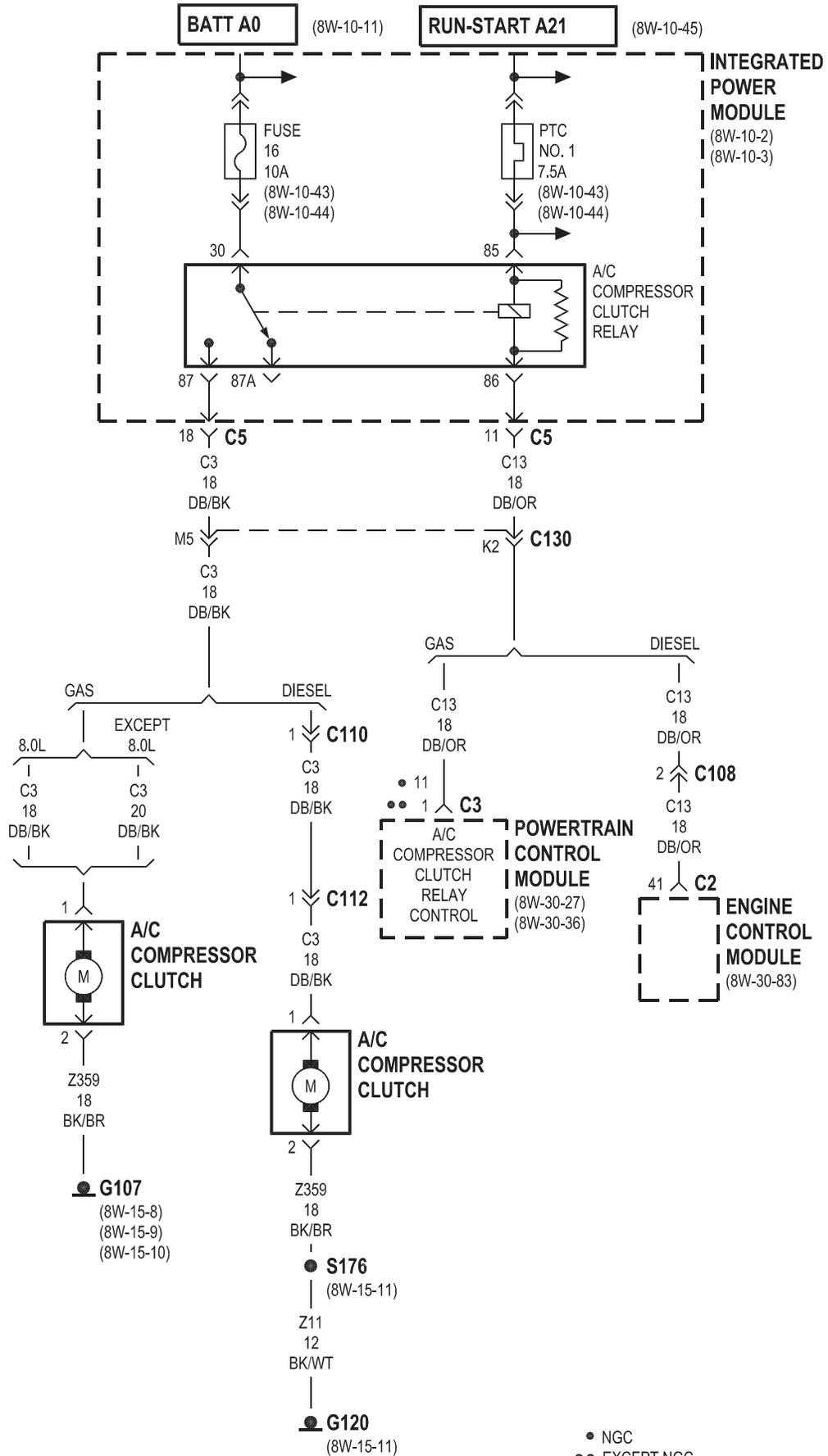
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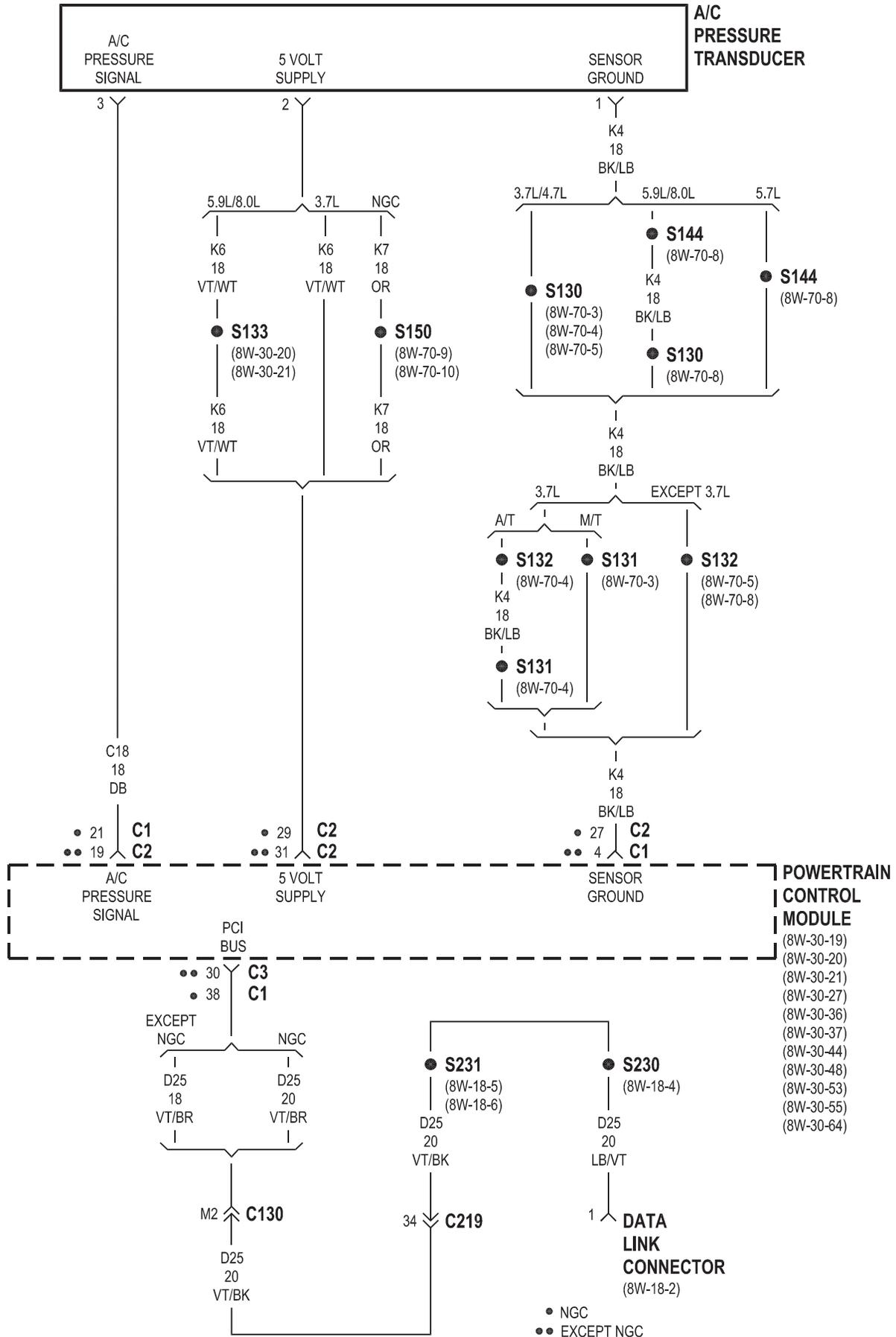
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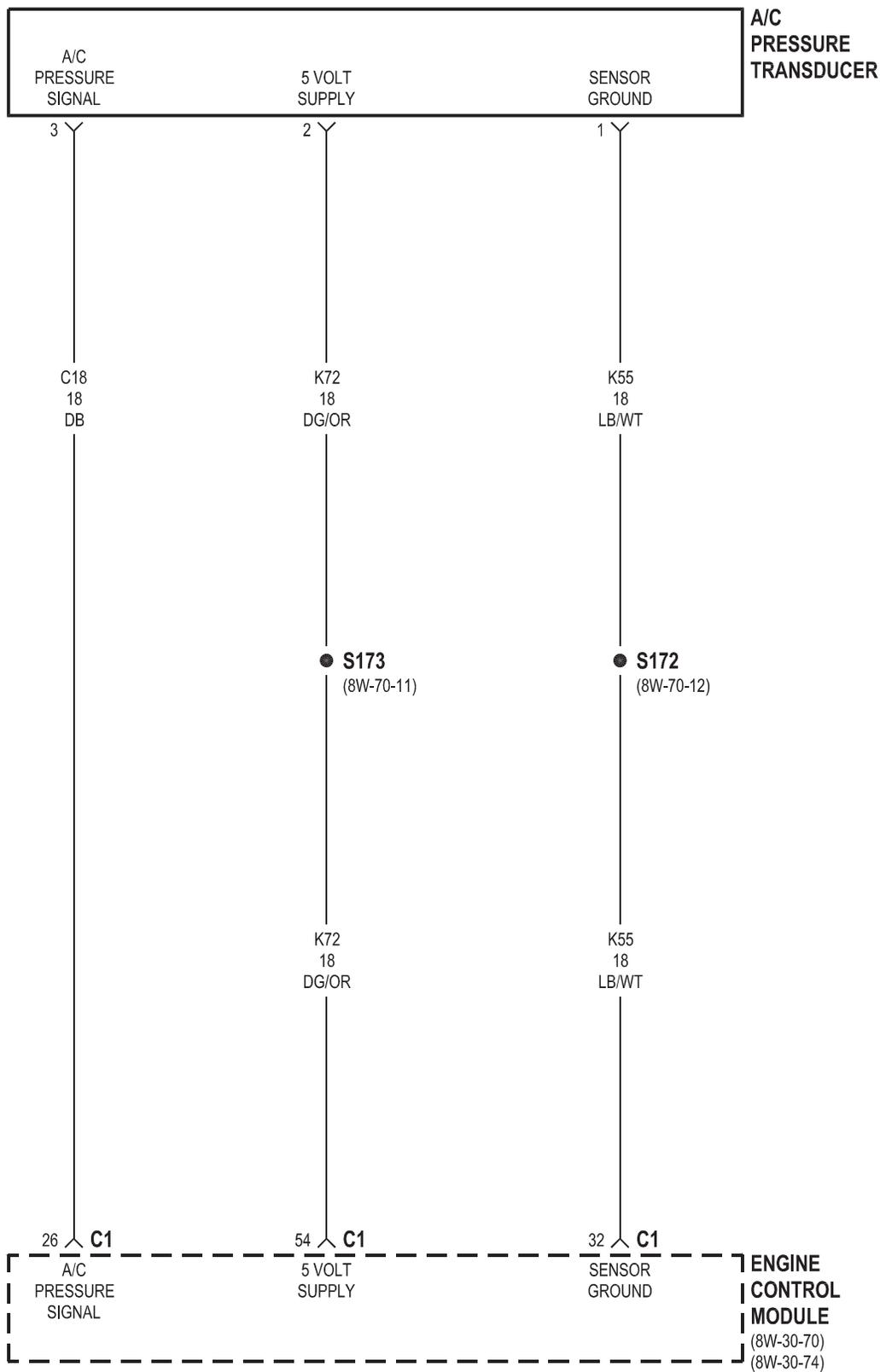
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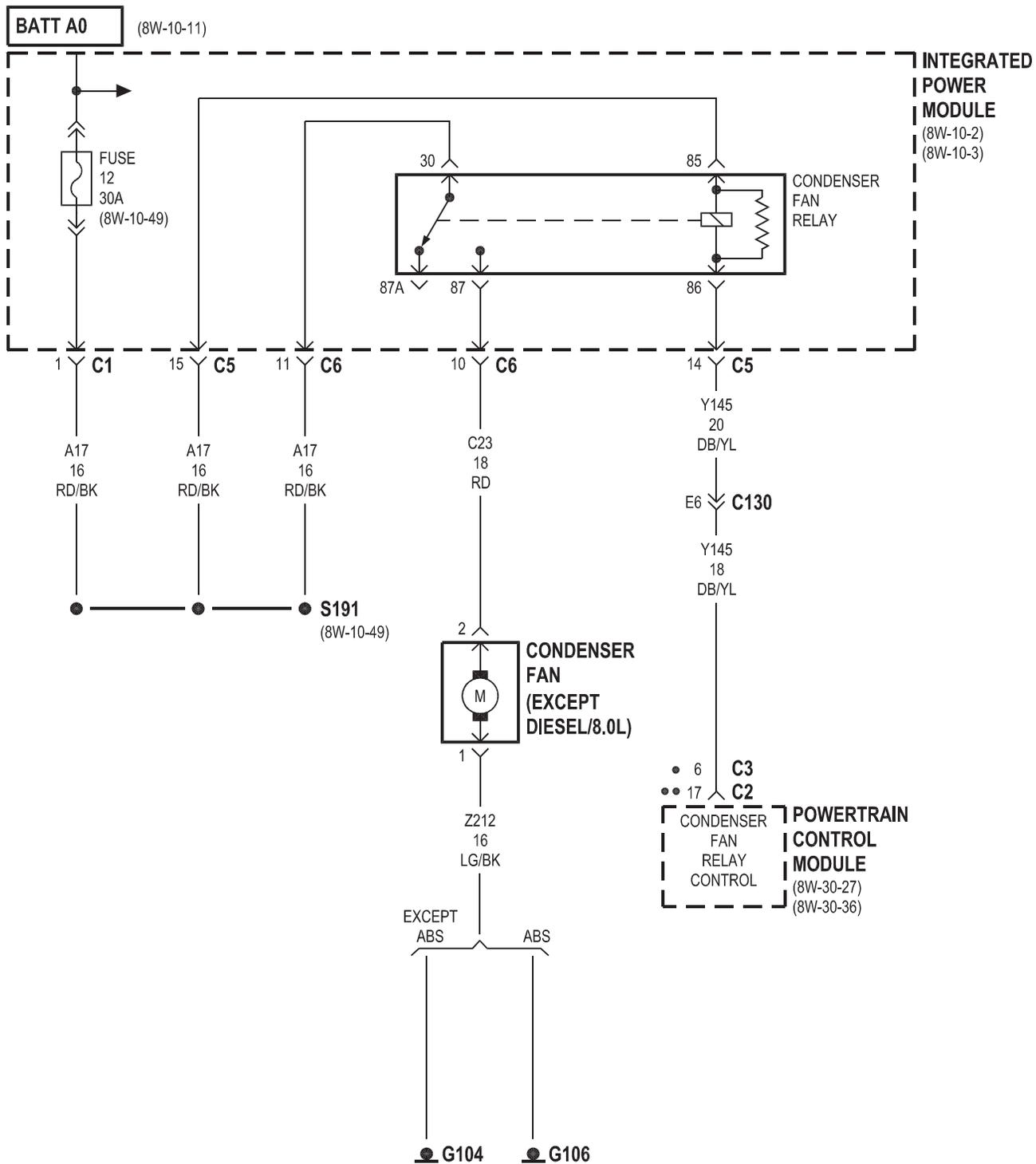
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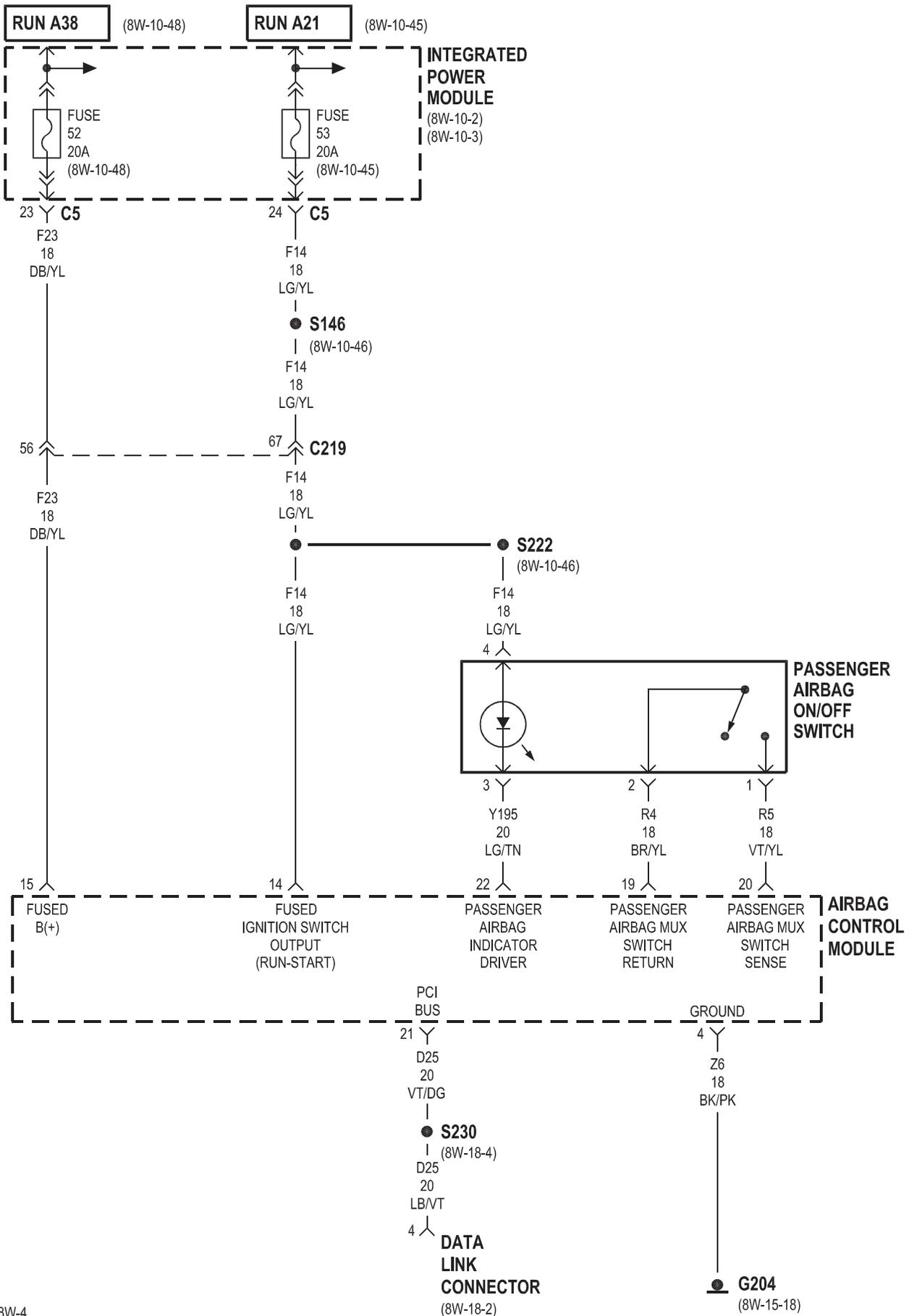
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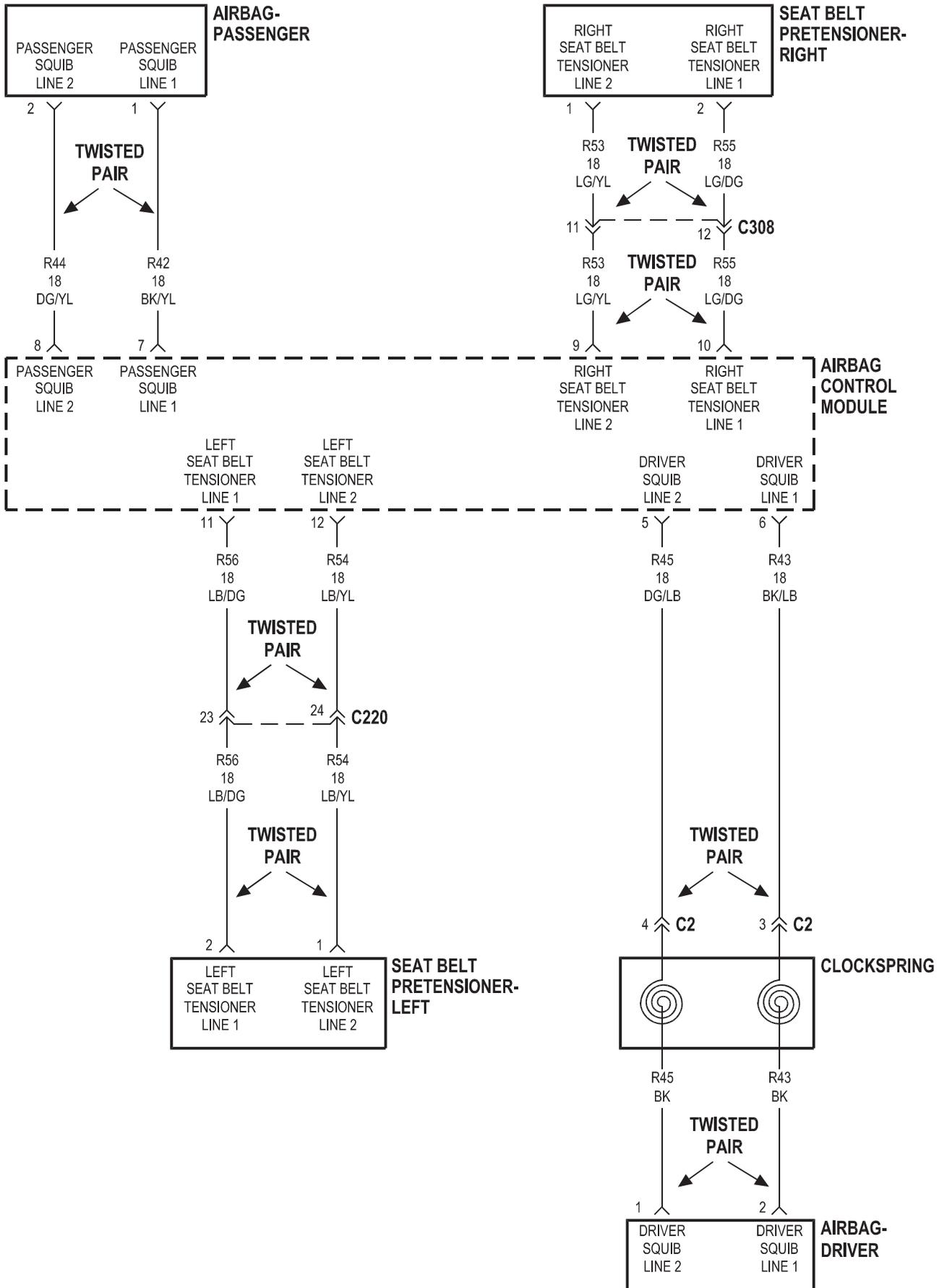
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## 8W-43 AIRBAG SYSTEM

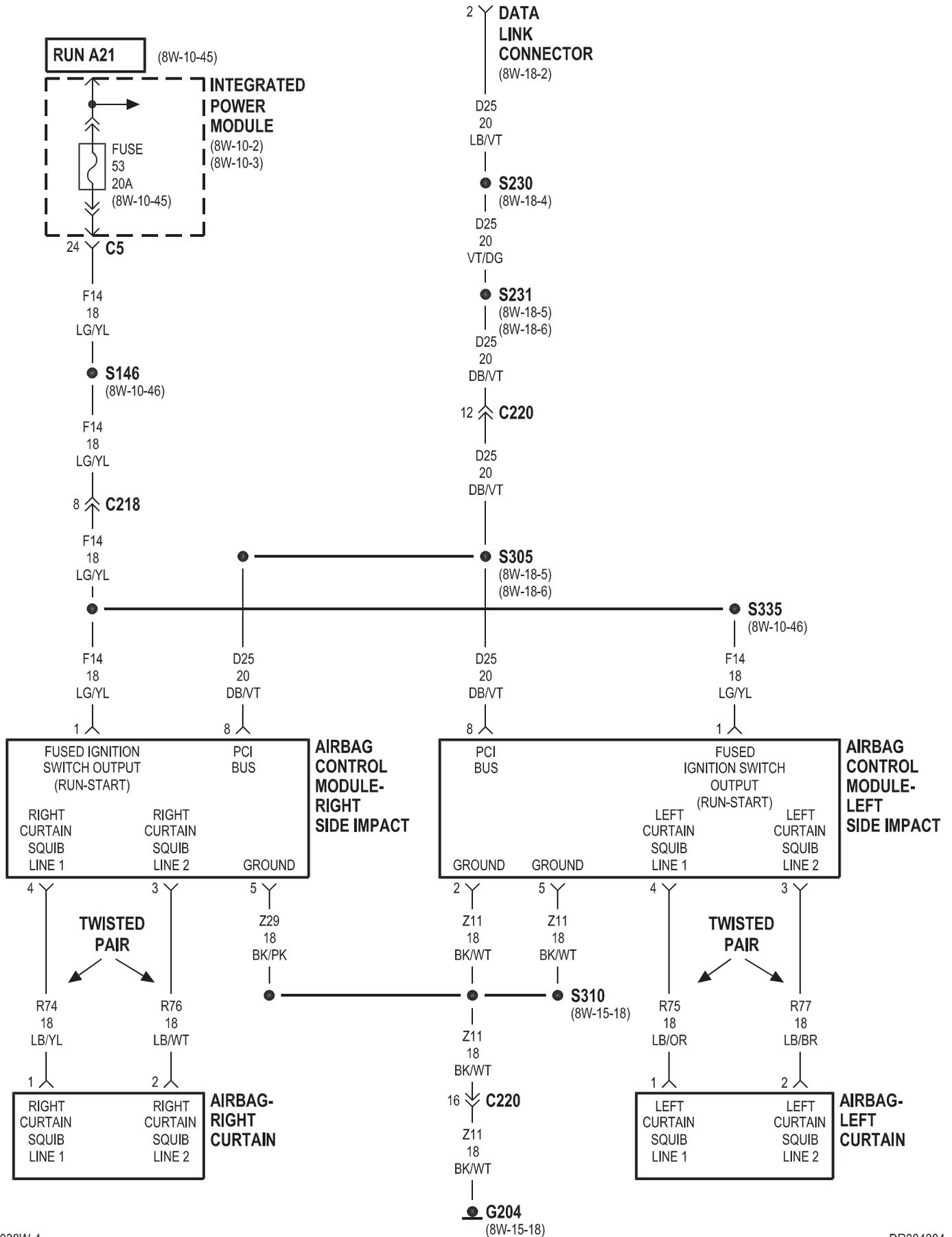
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Airbag Control Module . . . . .	8W-43-2, 3	Fuse 52 . . . . .	8W-43-2
Airbag Control Module-Left Side Impact . .	8W-43-4	Fuse 53 . . . . .	8W-43-2, 4
Airbag Control Module-Right Side Impact .	8W-43-4	G204 . . . . .	8W-43-2, 4
Airbag-Driver . . . . .	8W-43-3	Integrated Power Module . . . . .	8W-43-2, 4
Airbag-Left Curtain . . . . .	8W-43-4	Passenger Airbag On/Off Switch . . . . .	8W-43-2
Airbag-Passenger . . . . .	8W-43-3	Seat Belt Pretensioner-Left . . . . .	8W-43-3
Airbag-Right Curtain . . . . .	8W-43-4	Seat Belt Pretensioner-Right . . . . .	8W-43-3
Clockspring . . . . .	8W-43-3		
Data Link Connector . . . . .	8W-43-2, 4		



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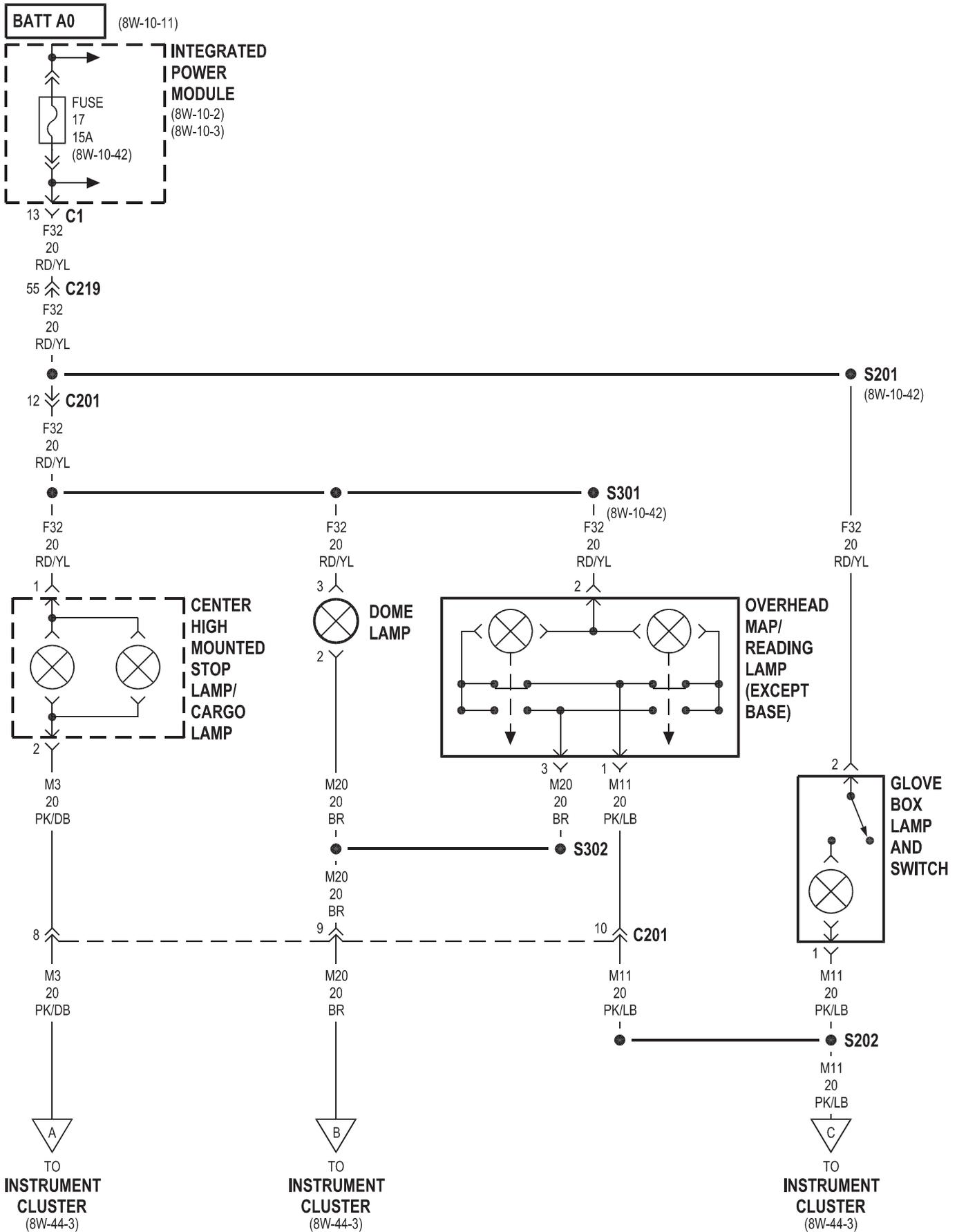
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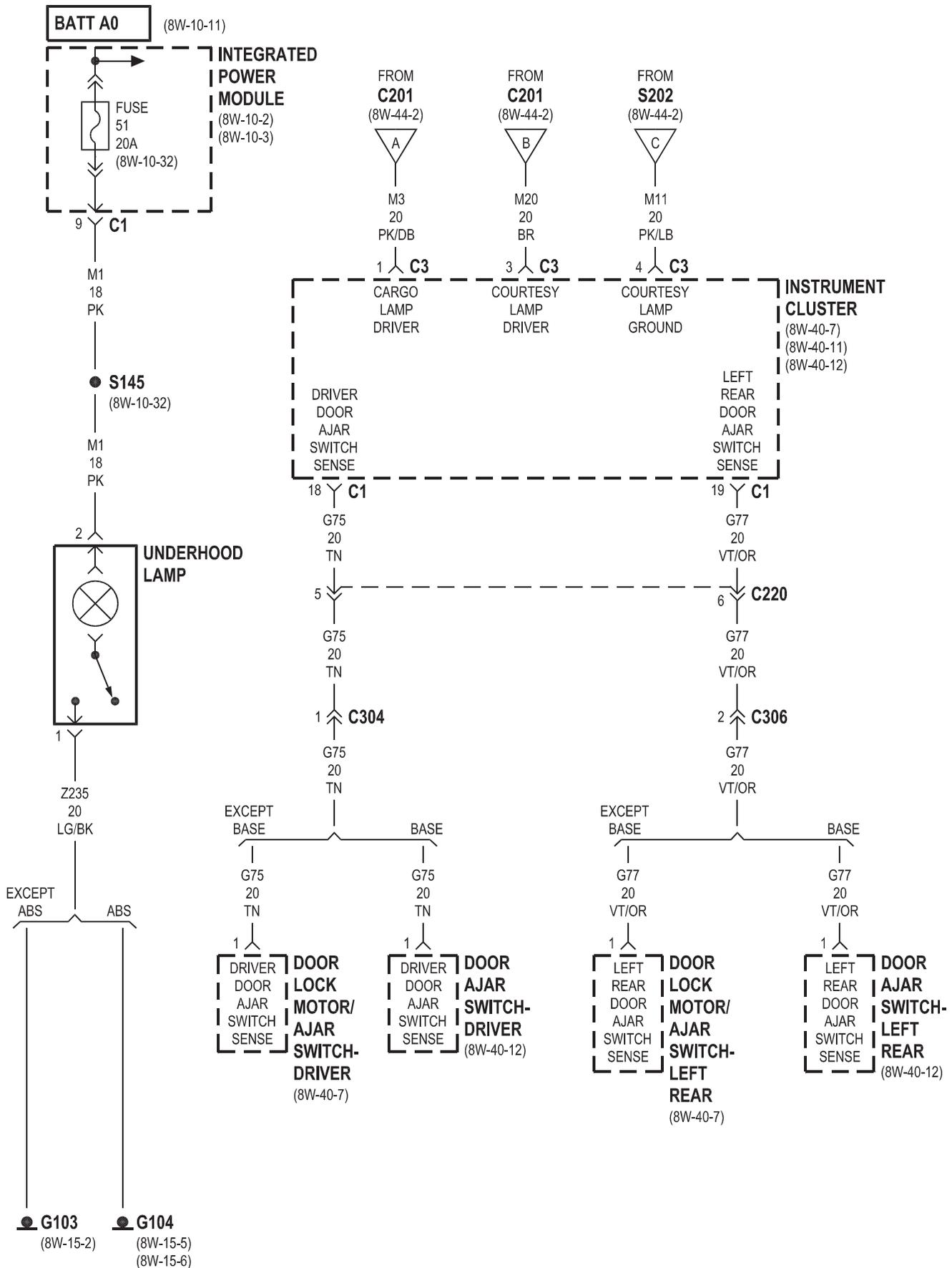
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## 8W-44 INTERIOR LIGHTING

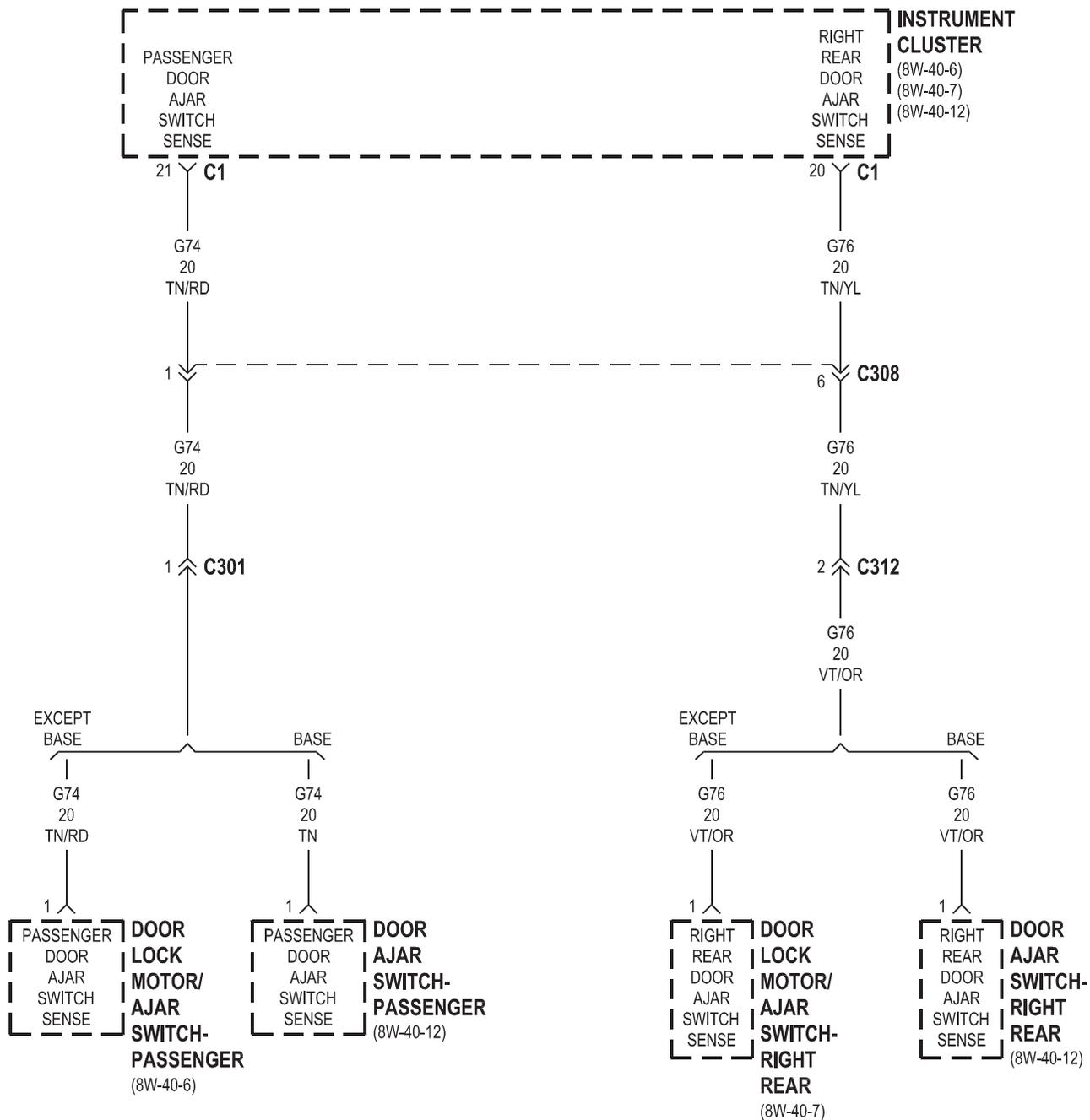
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Center High Mounted Stop Lamp/Cargo Lamp . . . . .	8W-44-2	Fuse 17 . . . . .	8W-44-2
Dome Lamp . . . . .	8W-44-2	Fuse 51 . . . . .	8W-44-3
Door Ajar Switch-Driver . . . . .	8W-44-3	G103 . . . . .	8W-44-3
Door Ajar Switch-Left Rear . . . . .	8W-44-3	G104 . . . . .	8W-44-3
Door Ajar Switch-Passenger . . . . .	8W-44-4	Glove Box Lamp And Switch . . . . .	8W-44-2
Door Ajar Switch-Right Rear . . . . .	8W-44-4	Instrument Cluster . . . . .	8W-44-2, 3, 4
Door Lock Motor/Ajar Switch-Driver . . . . .	8W-44-3	Integrated Power Module . . . . .	8W-44-2, 3
Door Lock Motor/Ajar Switch-Left Rear . . . . .	8W-44-3	Overhead Map/Reading Lamp . . . . .	8W-44-2
Door Lock Motor/Ajar Switch-Passenger . . . . .	8W-44-4	Underhood Lamp . . . . .	8W-44-3
Door Lock Motor/Ajar Switch-Right Rear . . . . .	8W-44-4		



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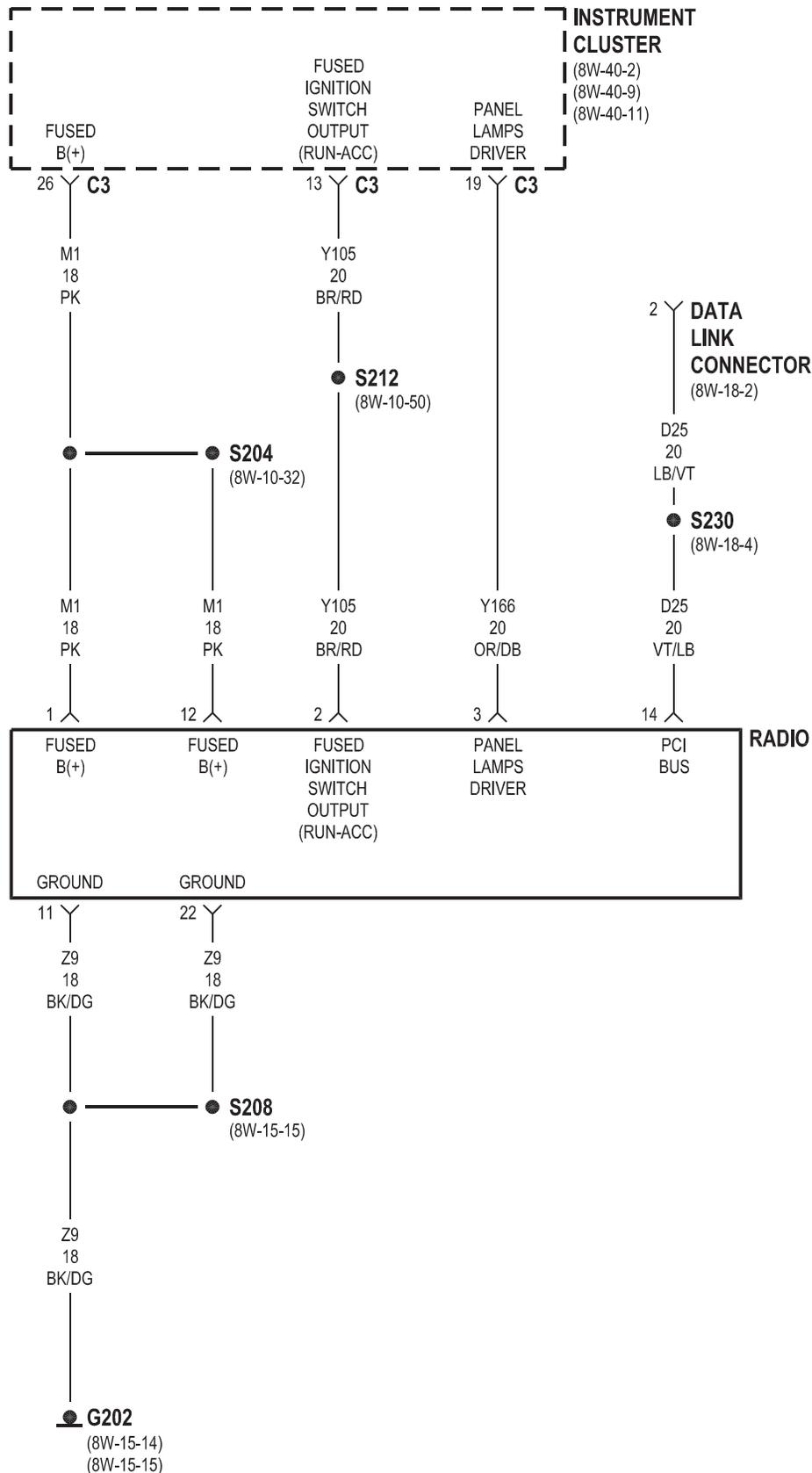
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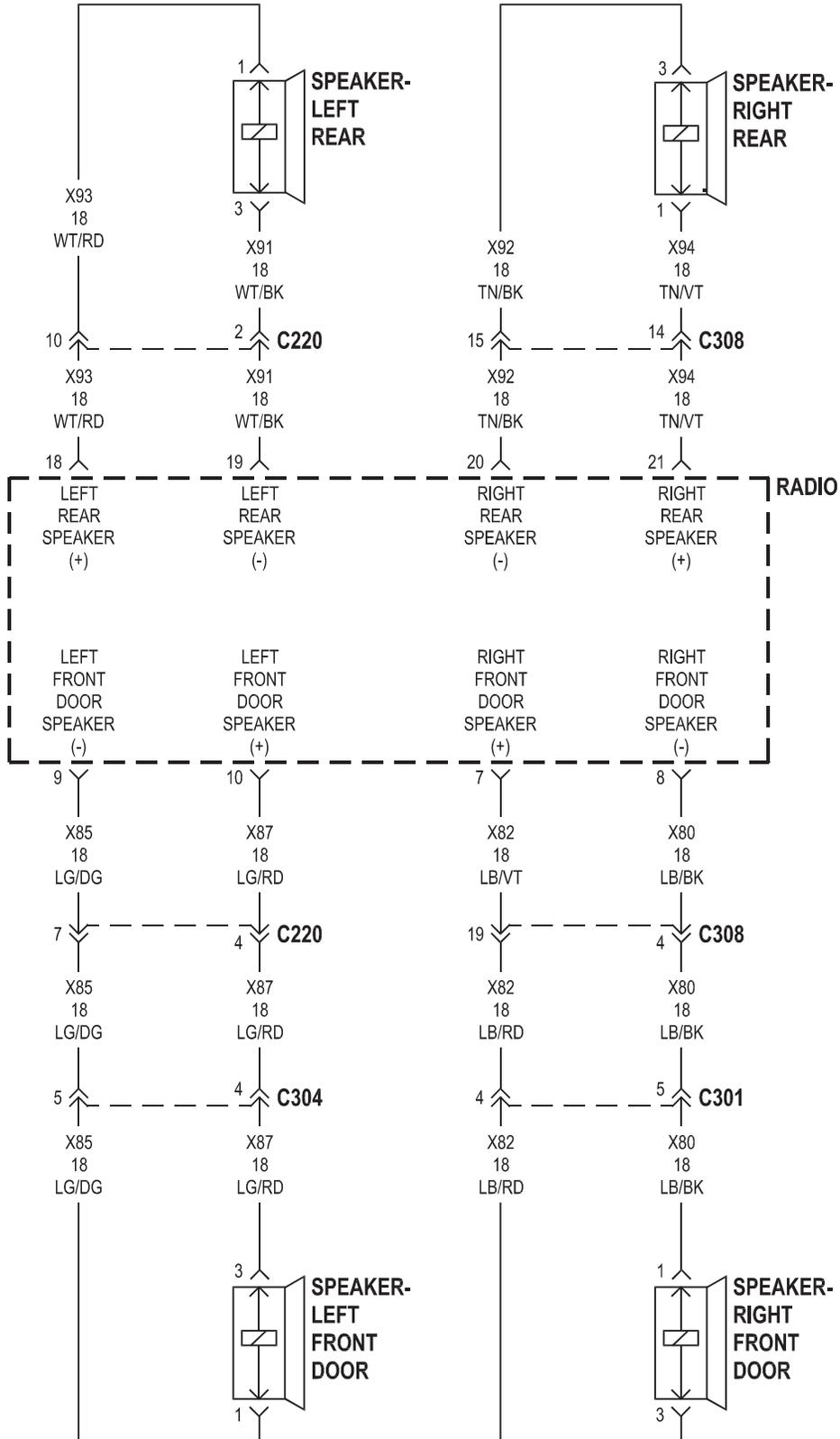
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## 8W-47 AUDIO SYSTEM

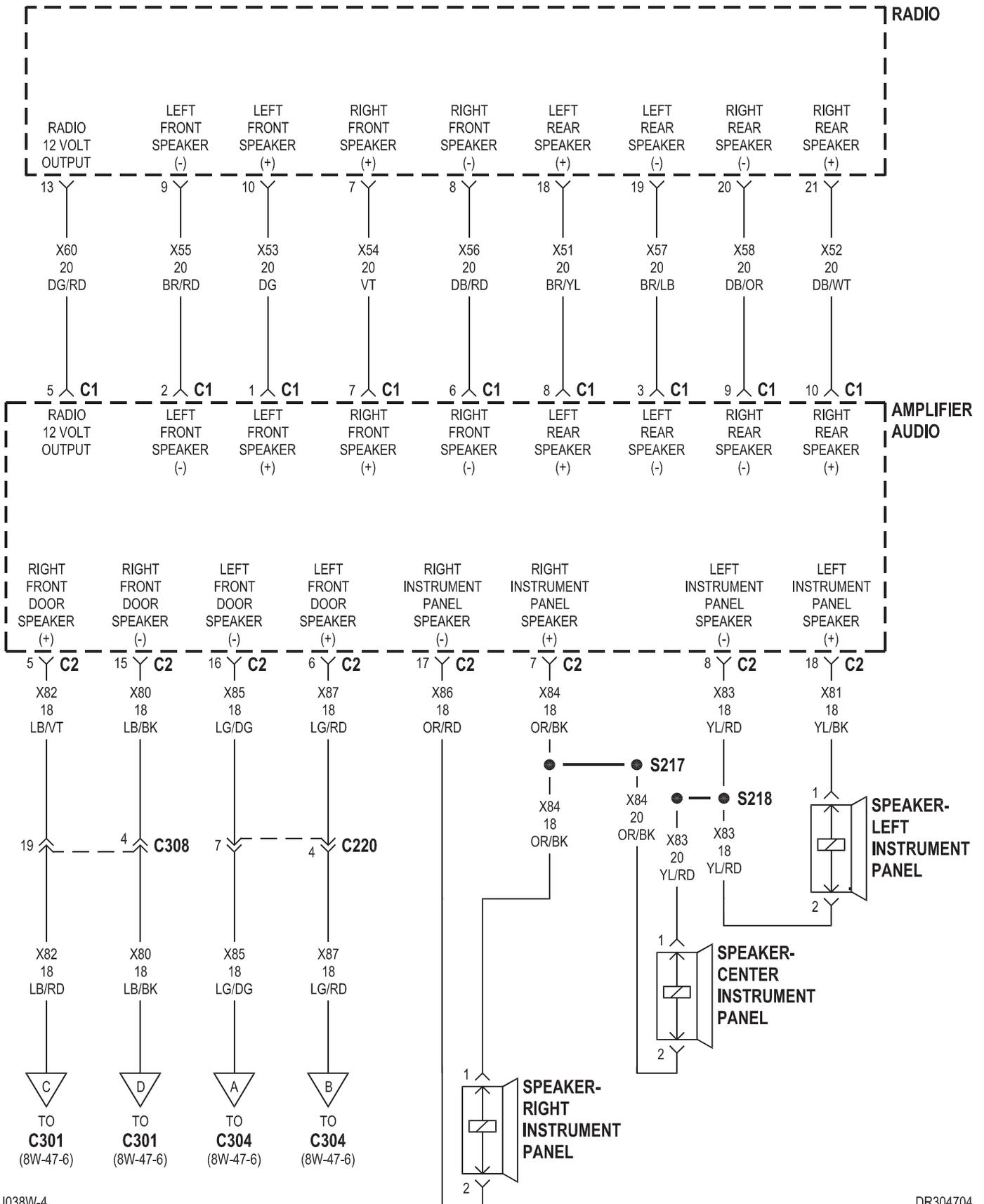
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Amplifier Audio .....	8W-47-4, 5	Remote Radio Switch-Right .....	8W-47-7
Clockspring .....	8W-47-7	Speaker-Center Instrument Panel .....	8W-47-4
Data Link Connector .....	8W-47-2, 5	Speaker-Left Front Door .....	8W-47-3, 6
Fuse 21 .....	8W-47-5	Speaker-Left Instrument Panel .....	8W-47-4
G201 .....	8W-47-7	Speaker-Left Rear .....	8W-47-3, 6
G202 .....	8W-47-2, 5	Speaker-Right Front Door .....	8W-47-3, 6
Instrument Cluster .....	8W-47-2, 7	Speaker-Right Instrument Panel .....	8W-47-4
Integrated Power Module .....	8W-47-5	Speaker-Right Rear .....	8W-47-3, 6
Radio .....	8W-47-2, 3, 4, 7		
Remote Radio Switch-Left .....	8W-47-7		



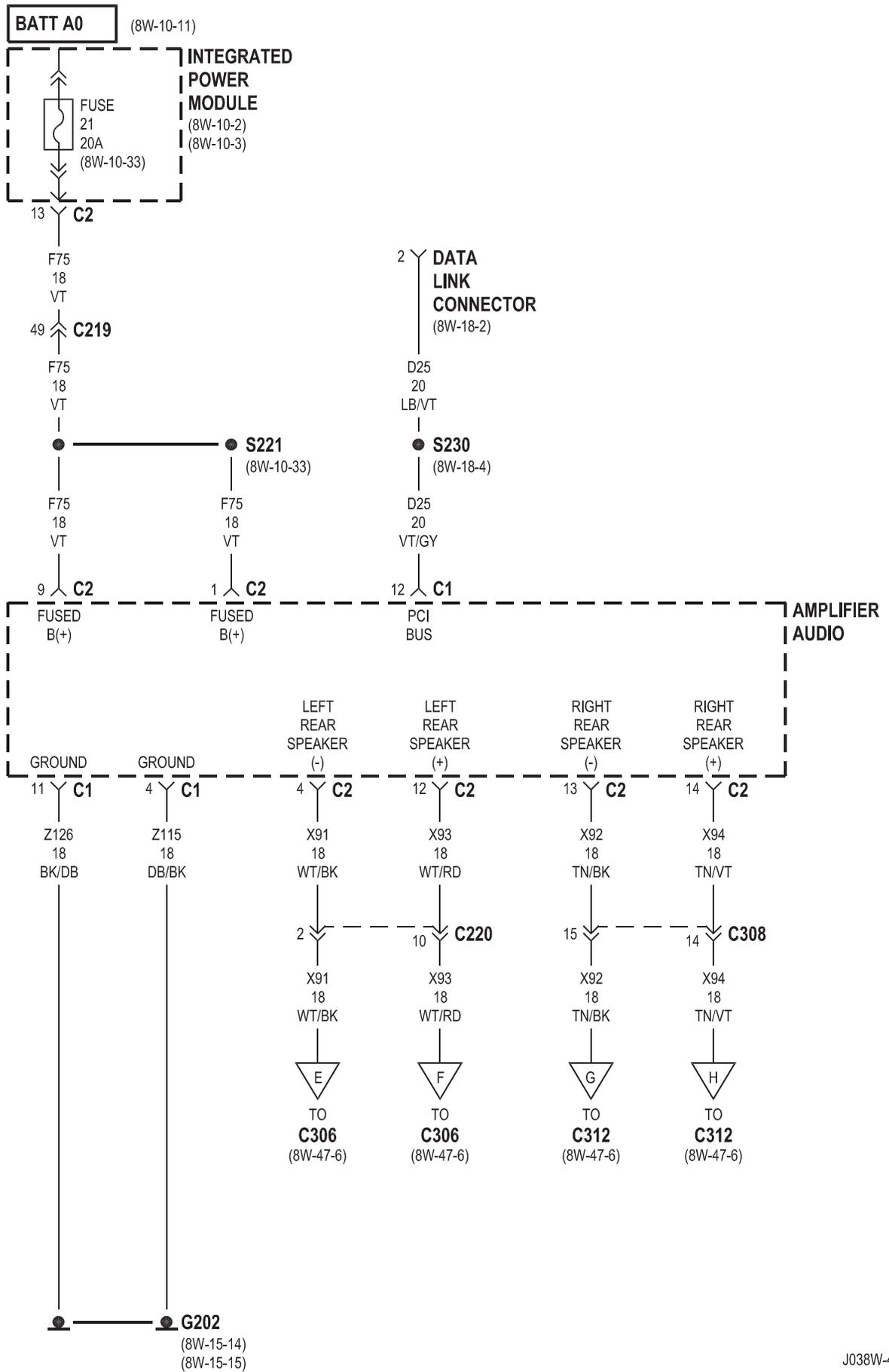
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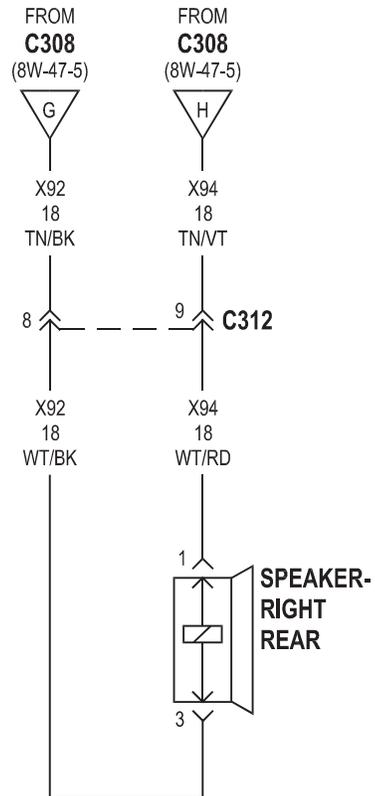
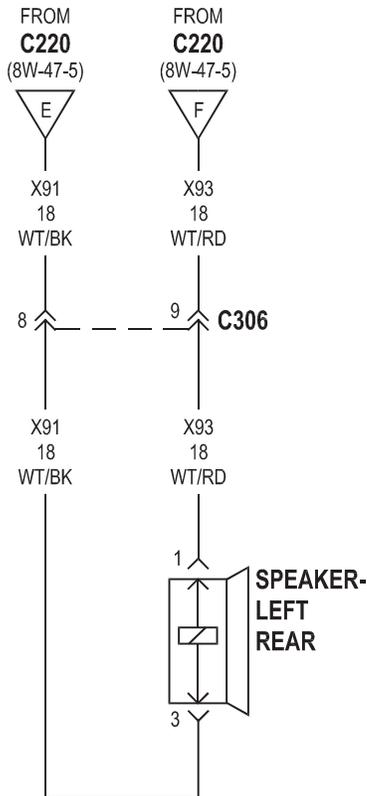
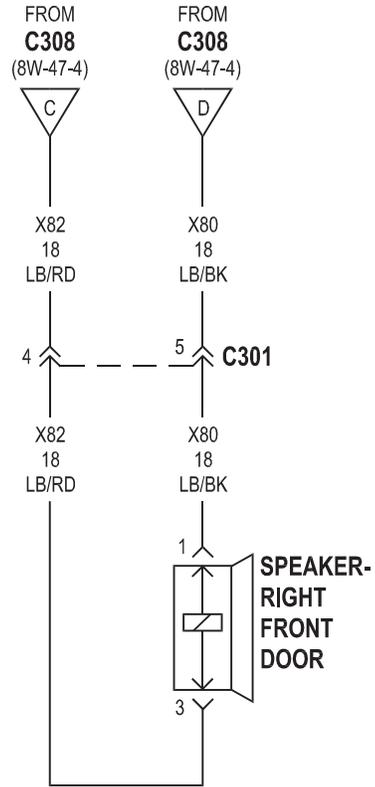
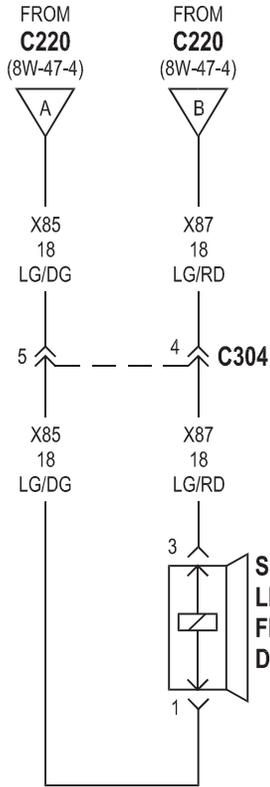
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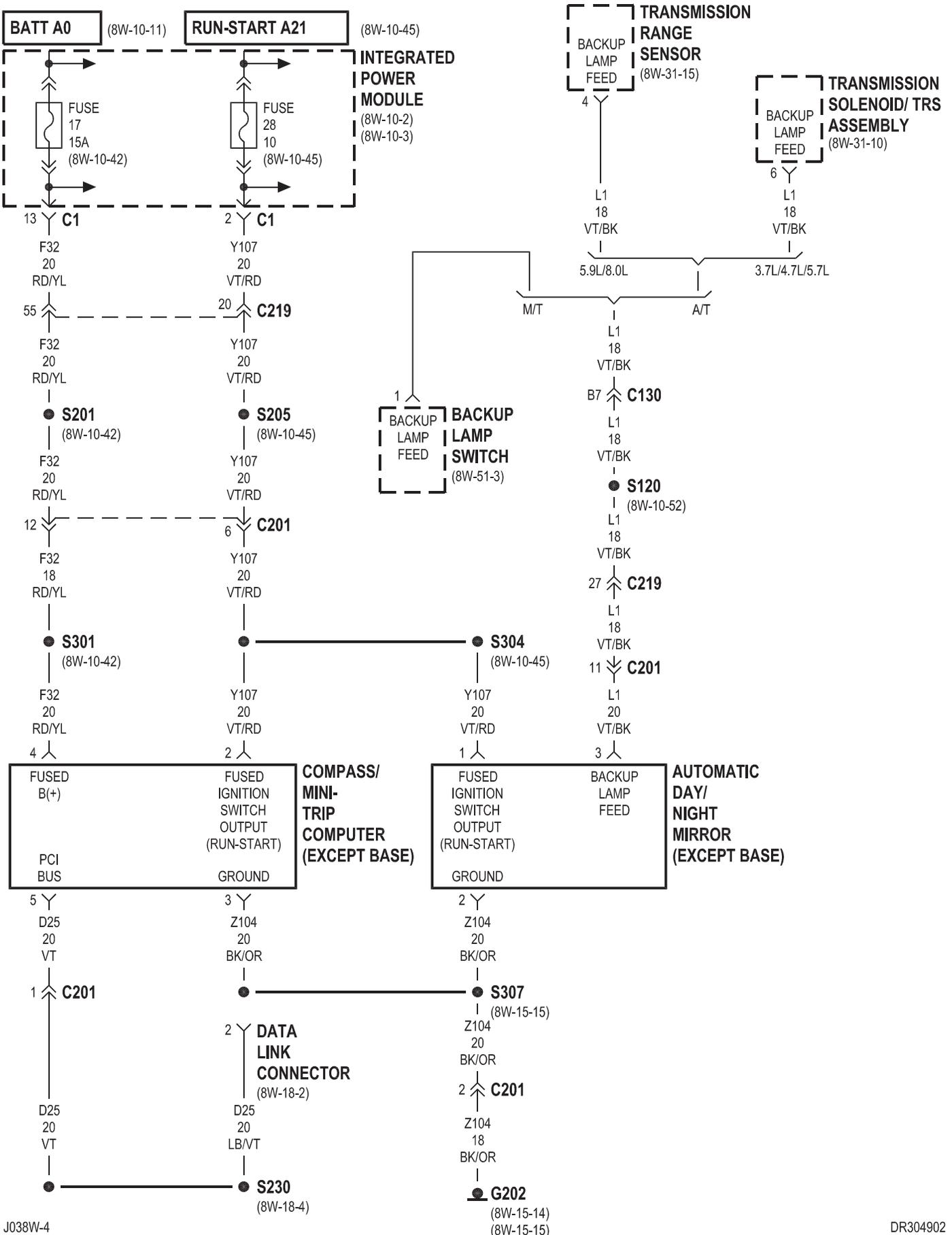
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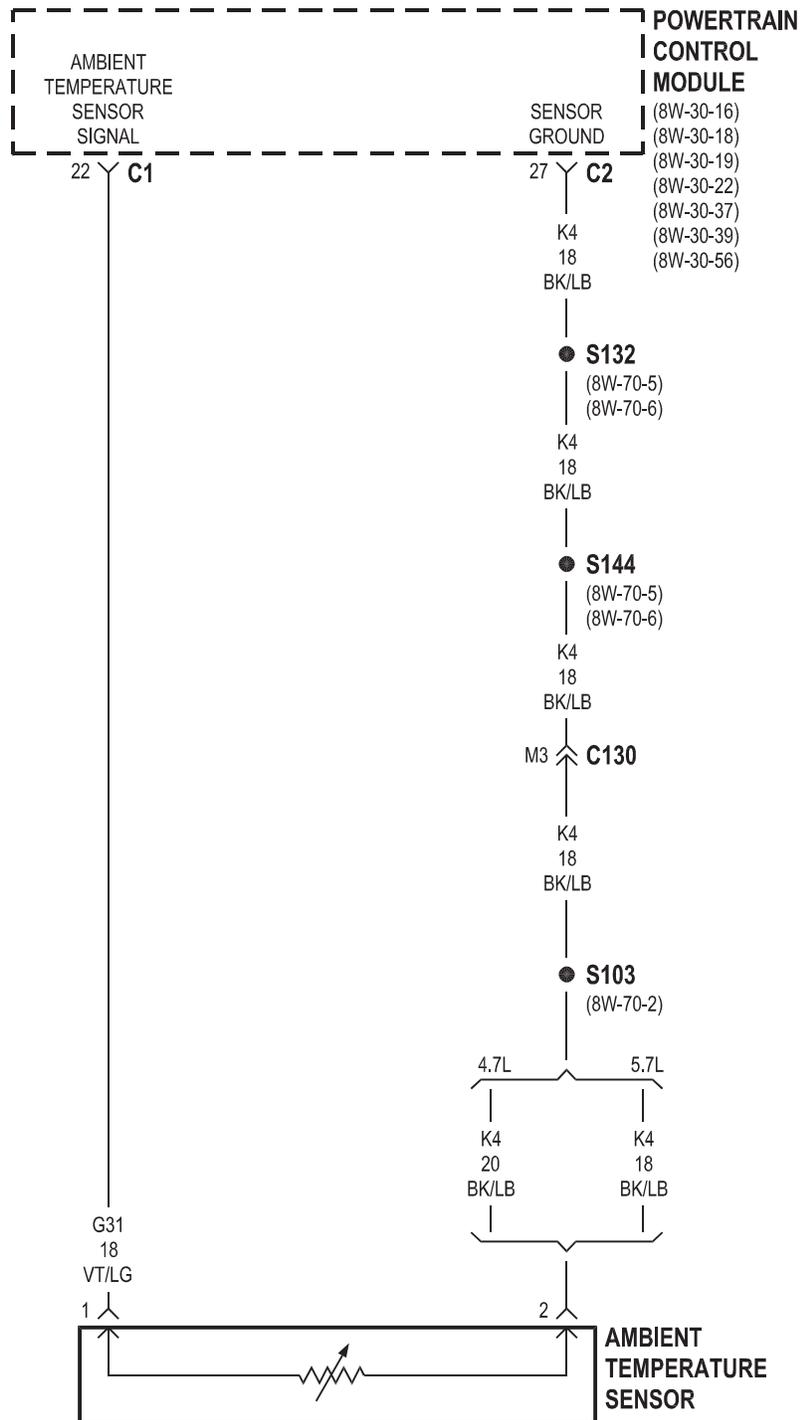
## 8W-49 OVERHEAD CONSOLE

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Ambient Temperature Sensor . . . . .	8W-49-3, 4	G202 . . . . .	8W-49-2
Automatic Day/Night Mirror . . . . .	8W-49-2	Instrument Cluster . . . . .	8W-49-3
Backup Lamp Switch . . . . .	8W-49-2	Integrated Power Module . . . . .	8W-49-2, 3
Compass/Mini-Trip Computer . . . . .	8W-49-2	Overhead Map/Reading Lamp . . . . .	8W-49-3
Data Link Connector . . . . .	8W-49-2	Powertrain Control Module . . . . .	8W-49-4
Dome Lamp . . . . .	8W-49-3	Transmission Range Sensor . . . . .	8W-49-2
Front Control Module . . . . .	8W-49-3	Transmission Solenoid/TRS Assembly . . . .	8W-49-2
Fuse 17 . . . . .	8W-49-2, 3		
Fuse 28 . . . . .	8W-49-2		



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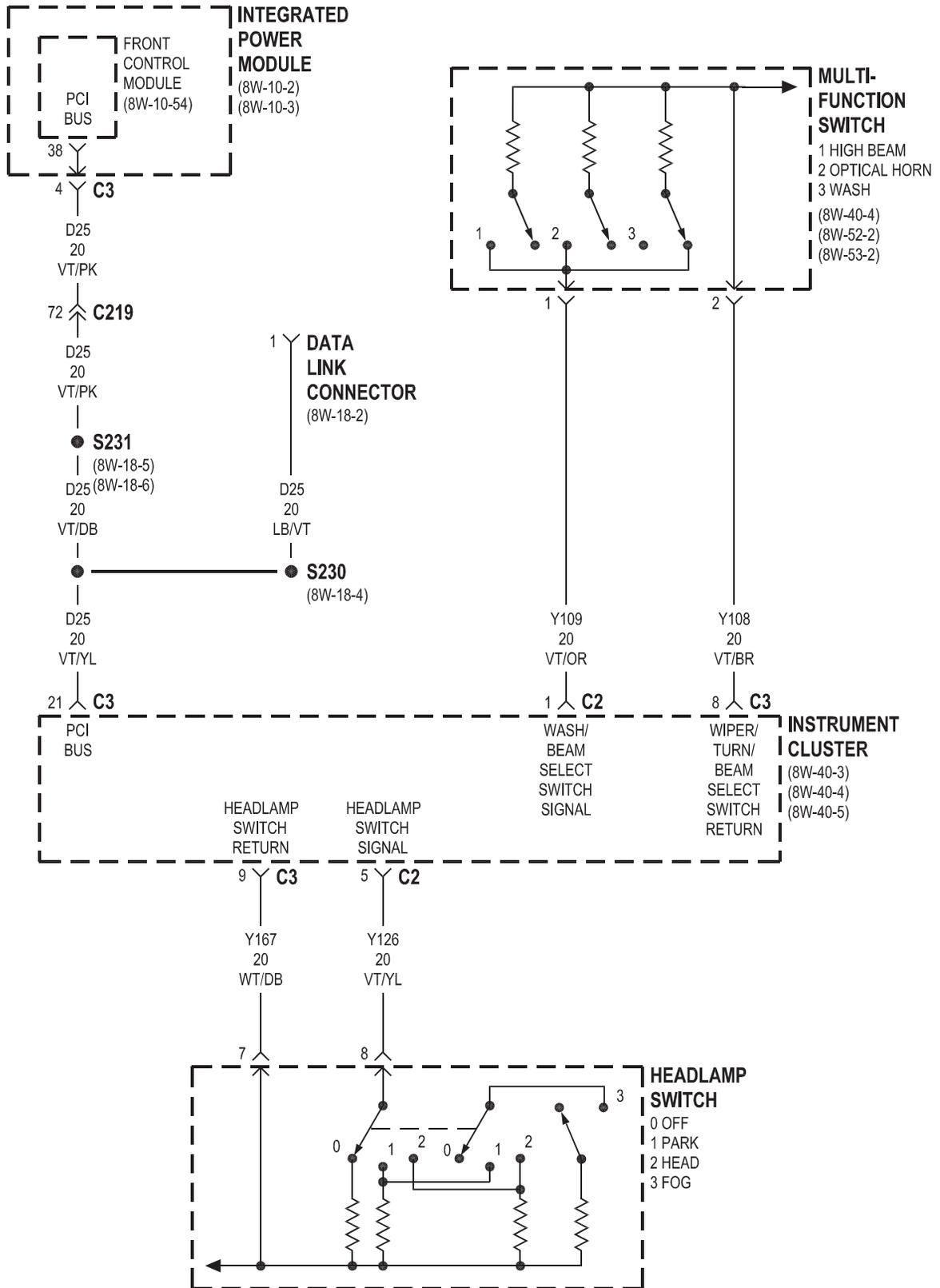




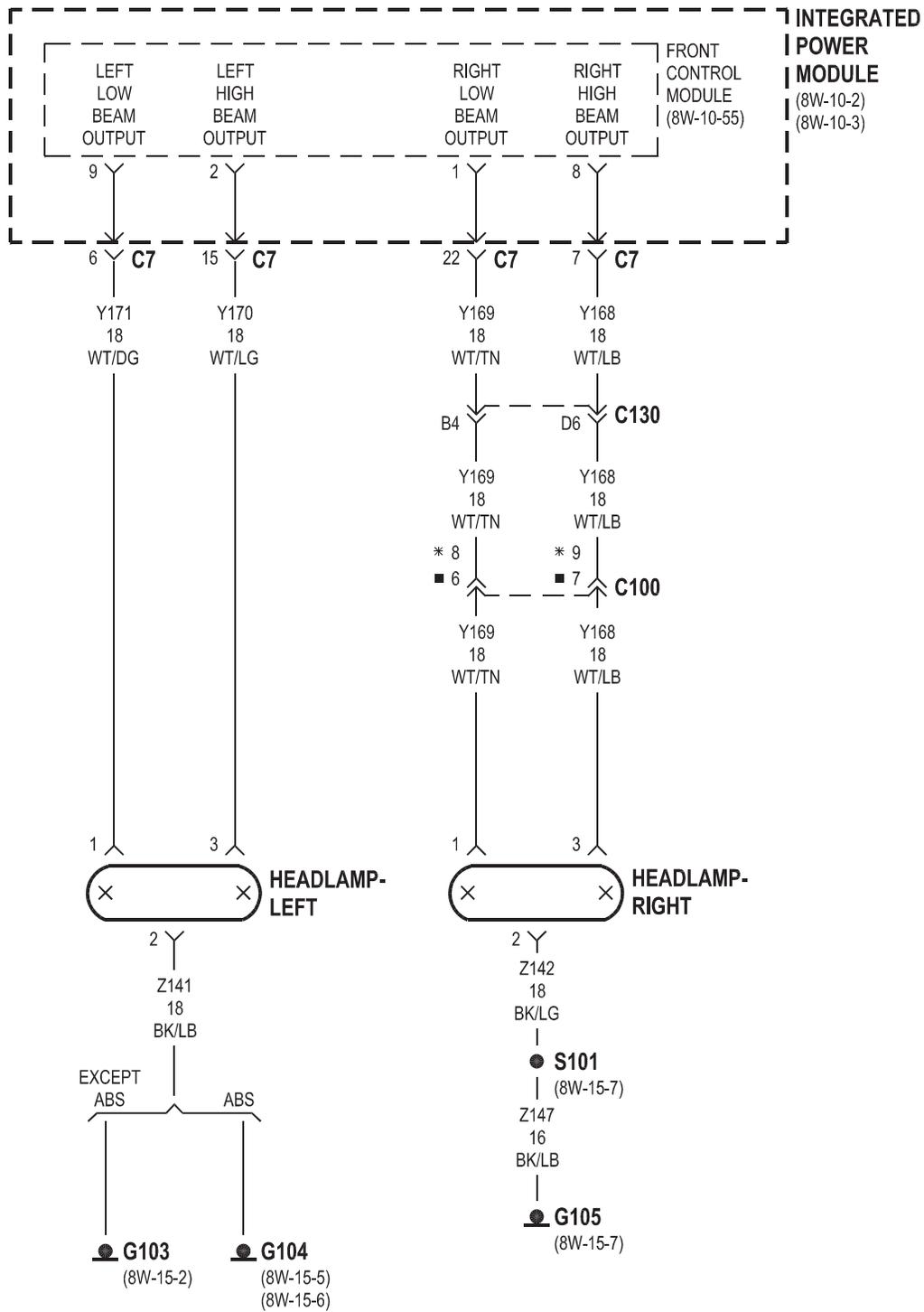
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## 8W-50 FRONT LIGHTING

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Clearance Lamp No. 1 .....	8W-50-6	G104 .....	8W-50-3, 4, 5
Clearance Lamp No. 2 .....	8W-50-6	G105 .....	8W-50-3, 4
Clearance Lamp No. 3 .....	8W-50-6	G201 .....	8W-50-5
Clearance Lamp No. 4 .....	8W-50-6	G203 .....	8W-50-6
Clearance Lamp No. 5 .....	8W-50-6	Headlamp Switch .....	8W-50-2, 5
Data Link Connector .....	8W-50-2	Headlamp-Left .....	8W-50-3
Fog Lamp Relay .....	8W-50-5	Headlamp-Right .....	8W-50-3
Fog Lamp-Left .....	8W-50-5	Instrument Cluster .....	8W-50-2, 5
Fog Lamp- Right .....	8W-50-5	Integrated Power Module .....	8W-50-2, 3, 4, 5
Front Control Module .....	8W-50-2, 3, 4, 5	Multi-Function Switch .....	8W-50-2
Fuse 15 .....	8W-50-4	Park Lamp Relay .....	8W-50-4
Fuse 32 .....	8W-50-4	Park/Turn Signal Lamp-Left Front .....	8W-50-4
Fuse 34 .....	8W-50-4	Park/Turn Signal Lamp-Right Front .....	8W-50-4
Fuse 41 .....	8W-50-5		
G103 .....	8W-50-3, 4, 5		



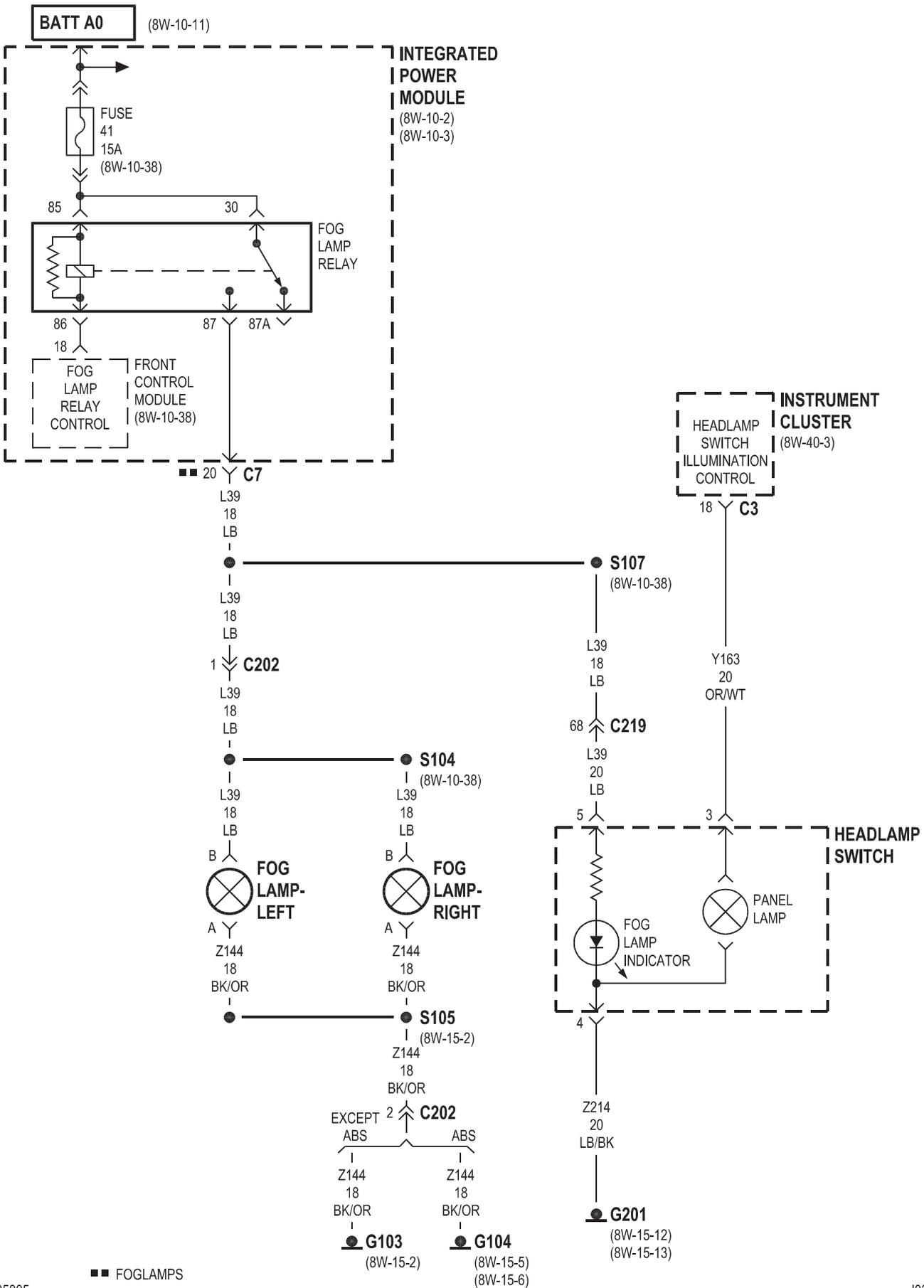
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\* DIESEL  
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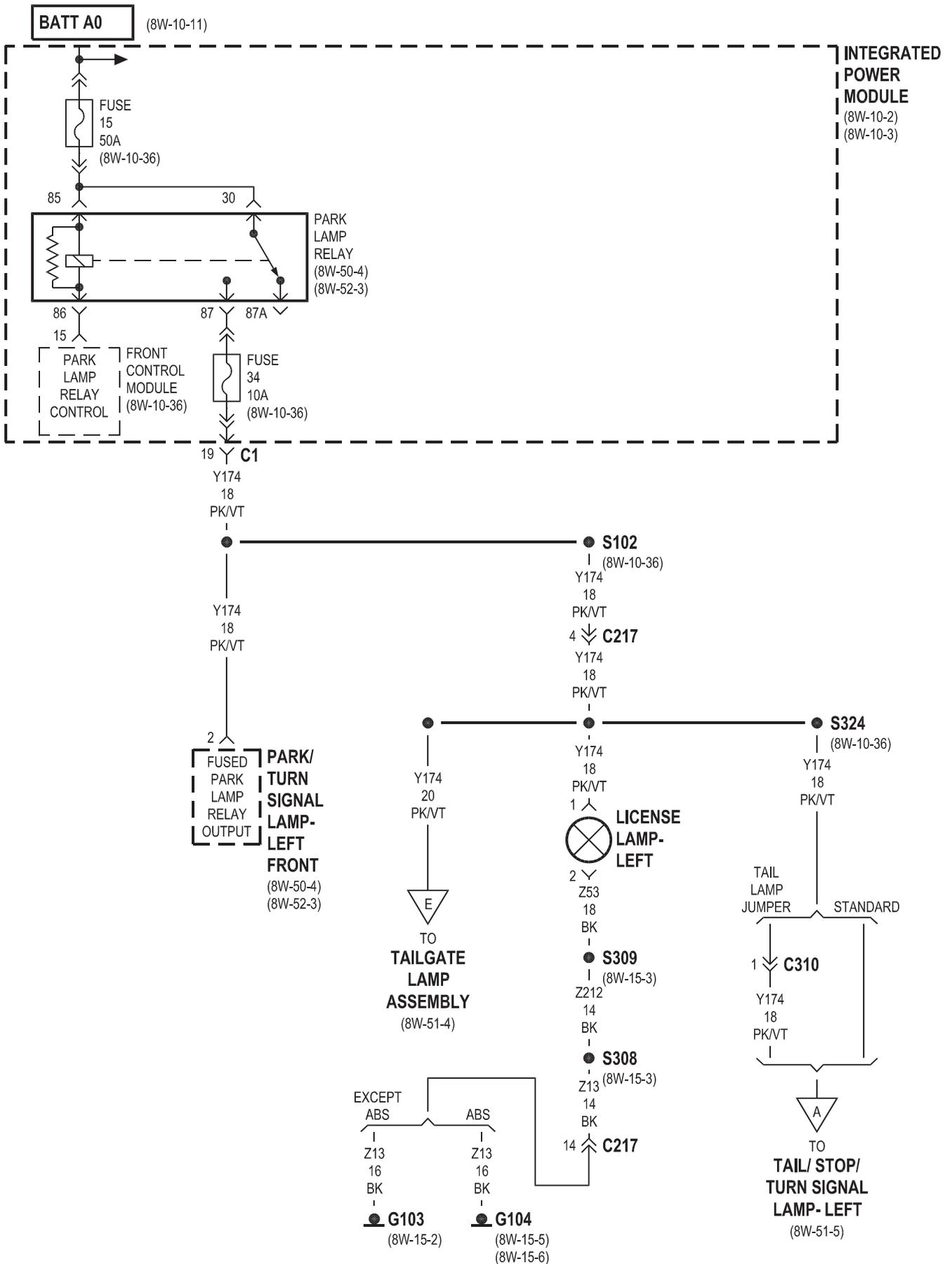
■ ■ FOGLAMPS

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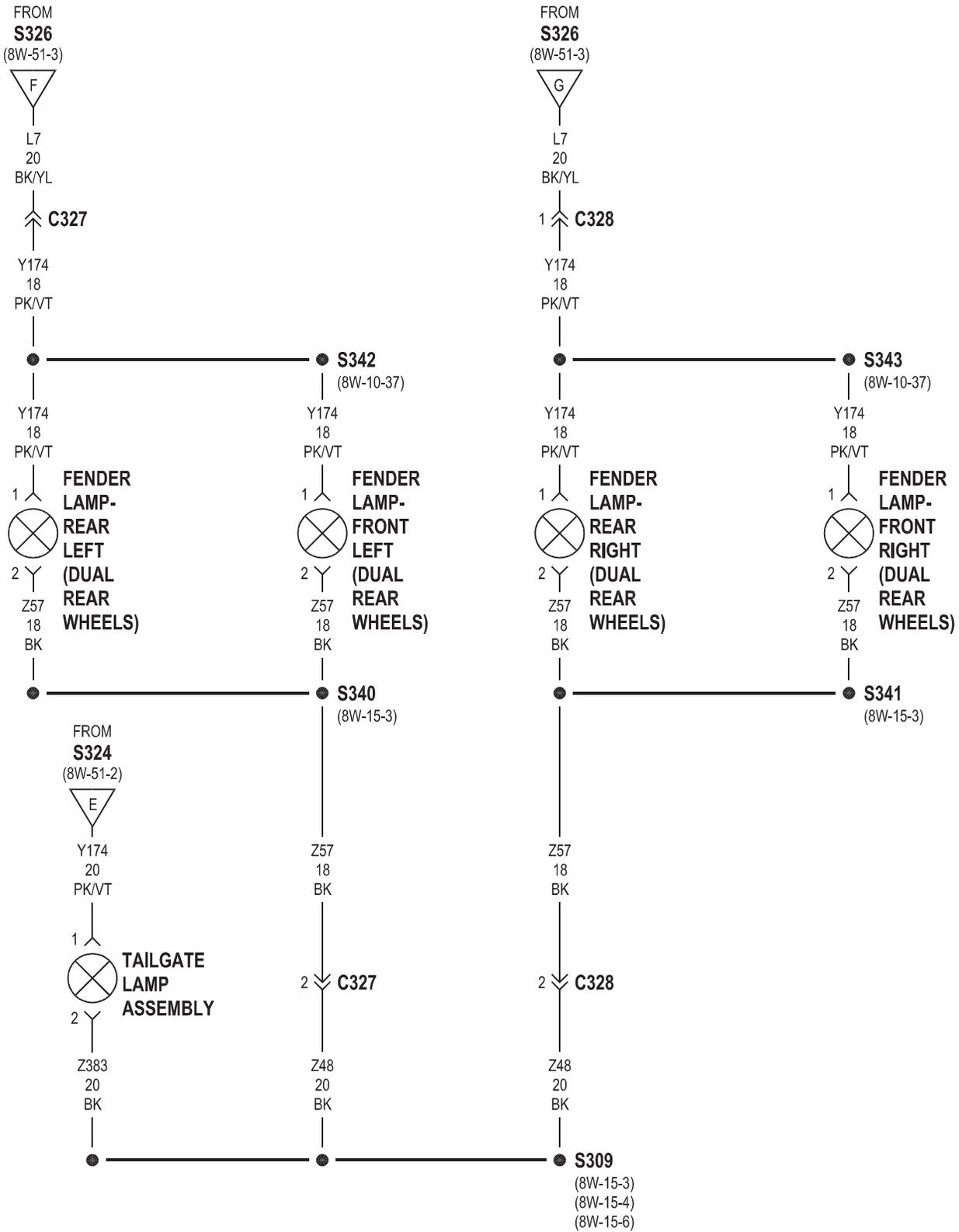
## 8W-51 REAR LIGHTING

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Backup Lamp Switch . . . . .	8W-51-3, 5	G103 . . . . .	8W-51-2, 3, 5, 6
Brake Lamp Switch . . . . .	8W-51-7	G104 . . . . .	8W-51-2, 3, 5, 6
Center High Mounted Stop Lamp-		G202 . . . . .	8W-51-7
Aftermarket . . . . .	8W-51-7	Integrated Power Module . . . . .	8W-51-2, 3, 5, 6, 7
Center High Mounted Stop Lamp/Cargo		License Lamp-Left . . . . .	8W-51-2
Lamp . . . . .	8W-51-7	License Lamp-Right . . . . .	8W-51-3
Fender Lamp-Front Left . . . . .	8W-51-4	Park Lamp Relay . . . . .	8W-51-2, 3, 7
Fender Lamp-Front Right . . . . .	8W-51-4	Park/Turn Signal Lamp-Left Front . . . . .	8W-51-2
Fender Lamp-Rear Left . . . . .	8W-51-4	Park/Turn Signal Lamp-Right Front . . . . .	8W-51-3
Fender Lamp-Rear Right . . . . .	8W-51-4	Tail/Stop/Turn Signal Lamp-Left . . . . .	8W-51-2, 5
Front Control Module . . . . .	8W-51-2, 3, 5, 6, 7	Tail/Stop/Turn Signal Lamp-Right . . . . .	8W-51-6
Fuse 15 . . . . .	8W-51-2, 3, 7	Tailgate Lamp Assembly . . . . .	8W-51-2, 4
Fuse 24 . . . . .	8W-51-7	Trailer Tow Connector . . . . .	8W-51-7
Fuse 32 . . . . .	8W-51-3	Trailer Tow Connector- Add On . . . . .	8W-51-5, 7
Fuse 33 . . . . .	8W-51-7	Transmission Range Sensor . . . . .	8W-51-5
Fuse 34 . . . . .	8W-51-2	Transmission Solenoid/TRS Assembly . . . . .	8W-51-5
Fuse 38 . . . . .	8W-51-3		



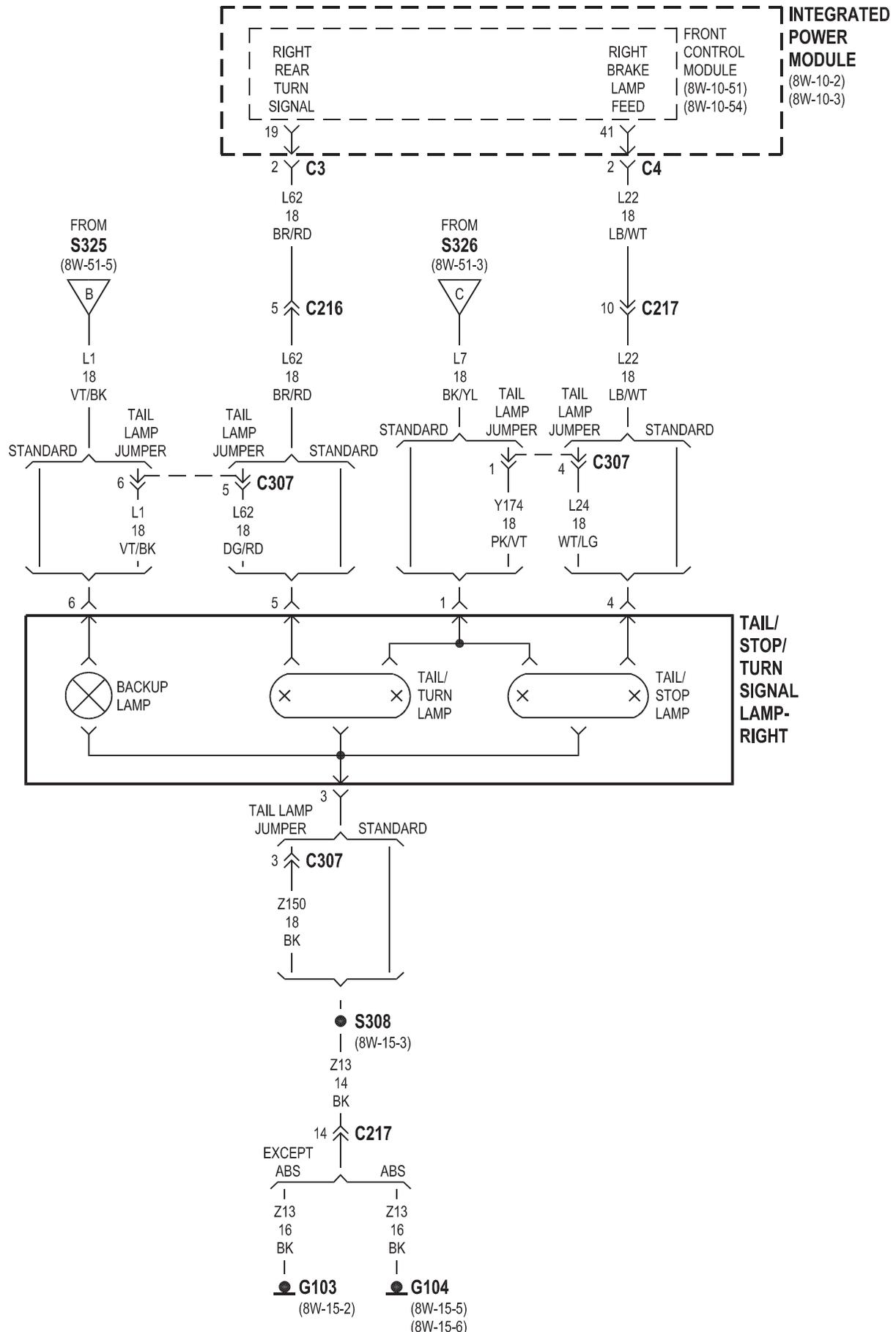
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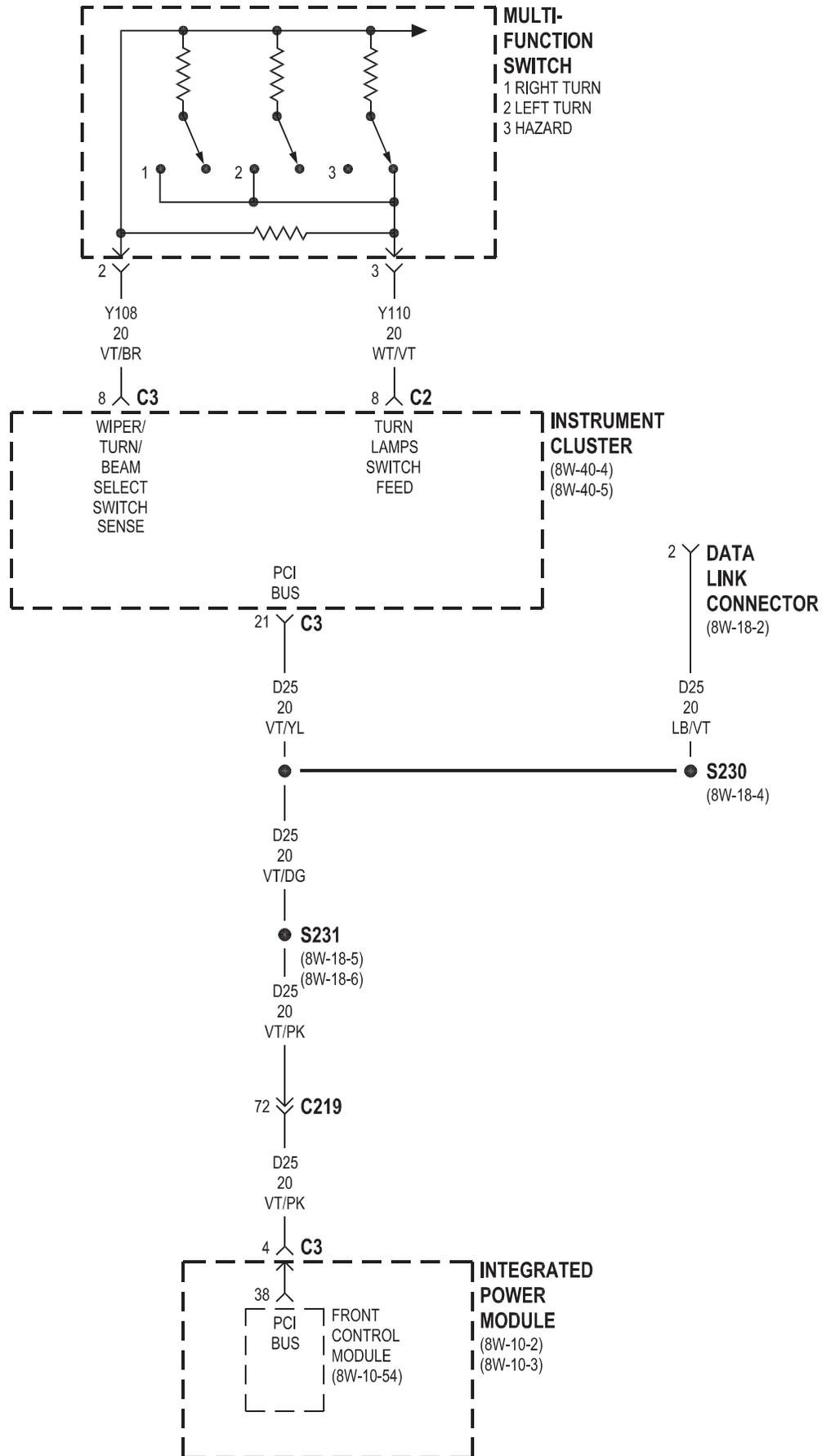
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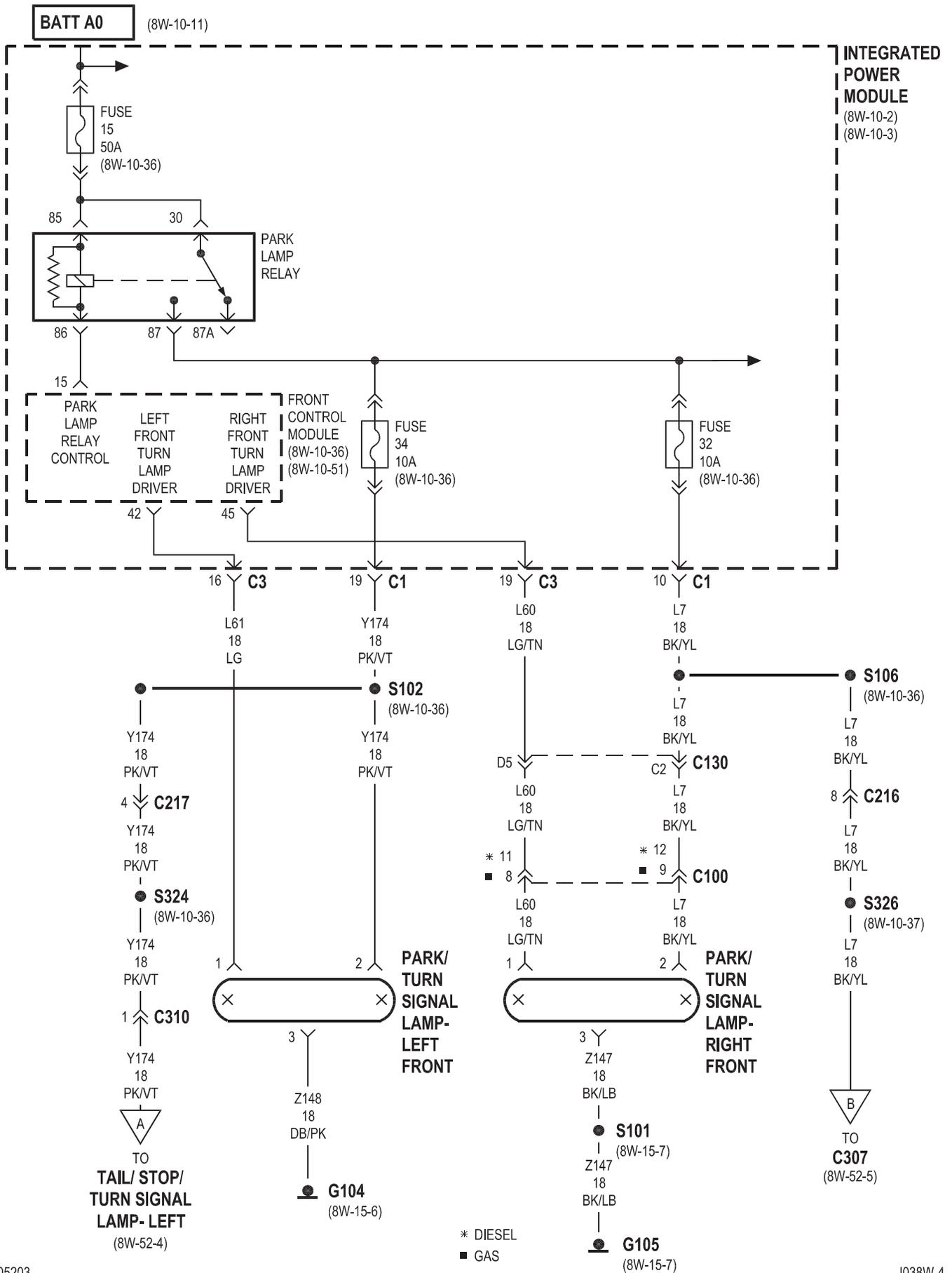


## 8W-52 TURN SIGNALS

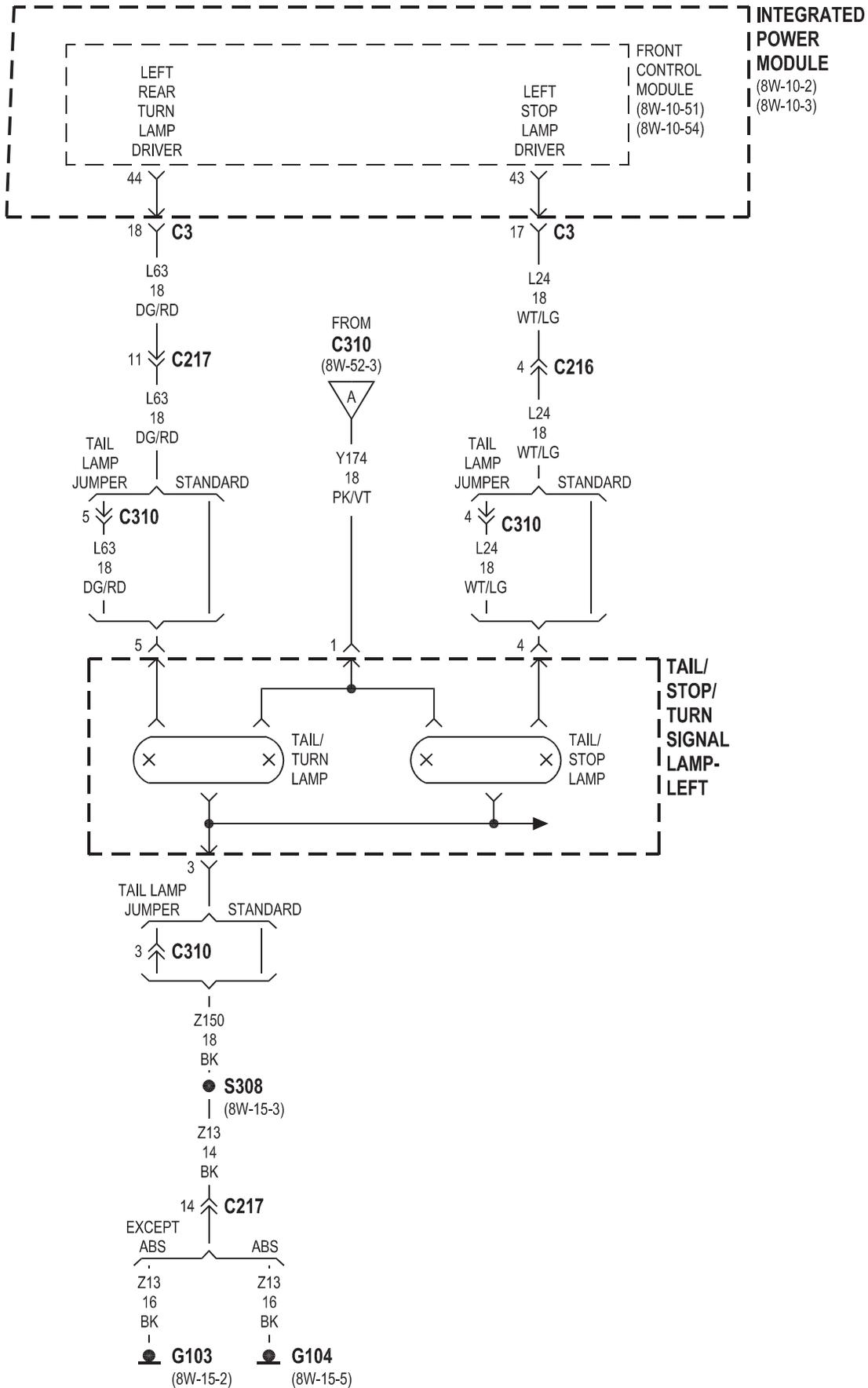
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Data Link Connector . . . . .	8W-52-2	Park Lamp Relay . . . . .	8W-52-3
Front Control Module . . . . .	8W-52-2, 3, 4, 5, 6	Park/Turn Signal Lamp-Left Front . . . . .	8W-52-3
Fuse 15 . . . . .	8W-52-3	Park/Turn Signal Lamp-Right Front . . . . .	8W-52-3
Fuse 32 . . . . .	8W-52-3	Tail/Stop Lamp . . . . .	8W-52-4, 5
Fuse 34 . . . . .	8W-52-3	Tail/Stop/Turn Signal Lamp-Left . . . . .	8W-52-3, 4
Fuse 46 . . . . .	8W-52-6	Tail/Stop/Turn Signal Lamp-Right . . . . .	8W-52-5
Fuse 47 . . . . .	8W-52-6	Tail/Turn Lamp . . . . .	8W-52-4, 5
G103 . . . . .	8W-52-4, 5	Trailer Tow Connector . . . . .	8W-52-6
G104 . . . . .	8W-52-3, 4, 5	Trailer Tow Connector-Add On . . . . .	8W-52-6
G105 . . . . .	8W-52-3	Trailer Tow Left Turn Relay . . . . .	8W-52-6
Instrument Cluster . . . . .	8W-52-2	Trailer Tow Right Turn Relay . . . . .	8W-52-6
Integrated Power Module . . . . .	8W-52-2, 3, 4, 5, 6		
Multi-Function Switch . . . . .	8W-52-2		



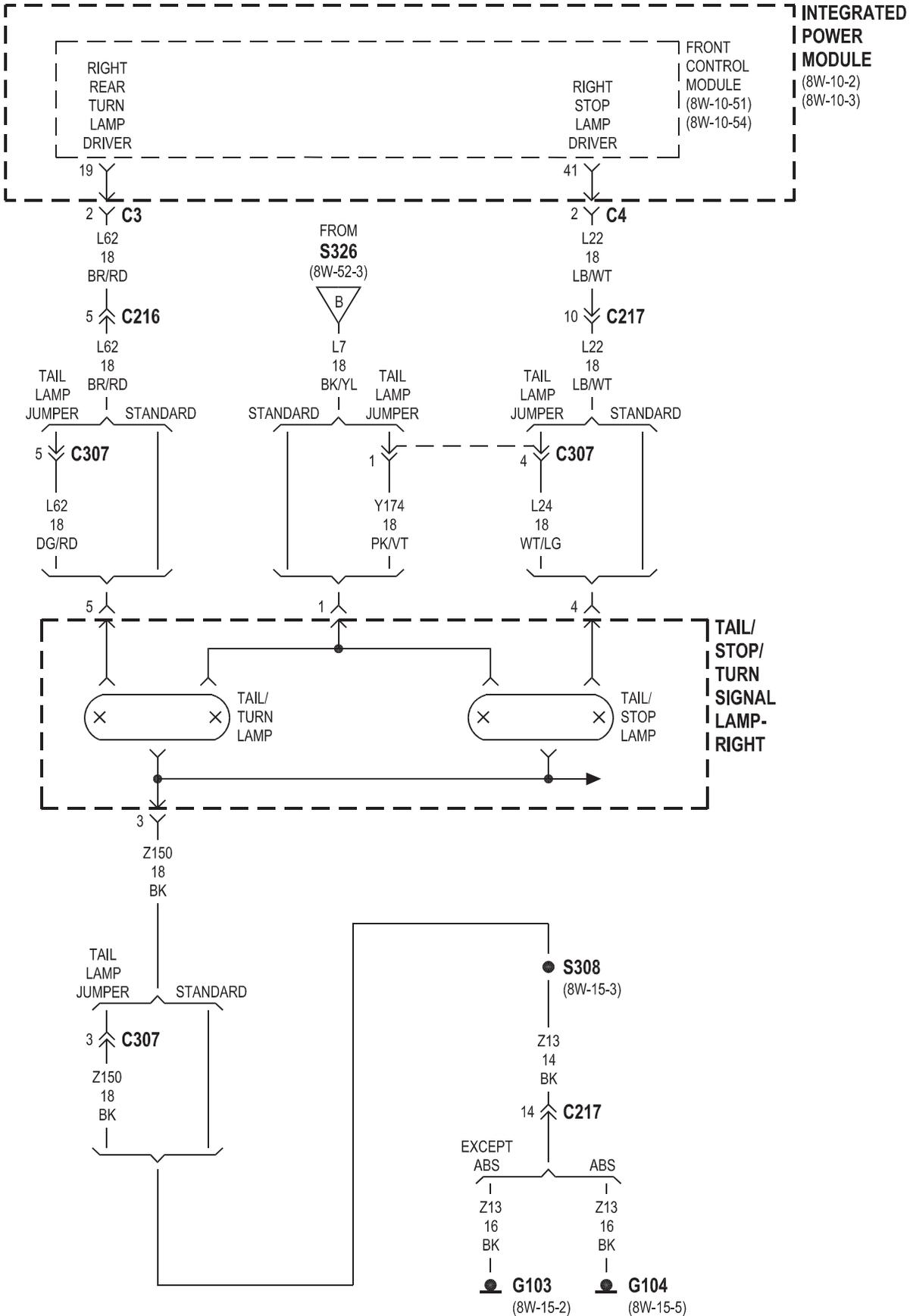
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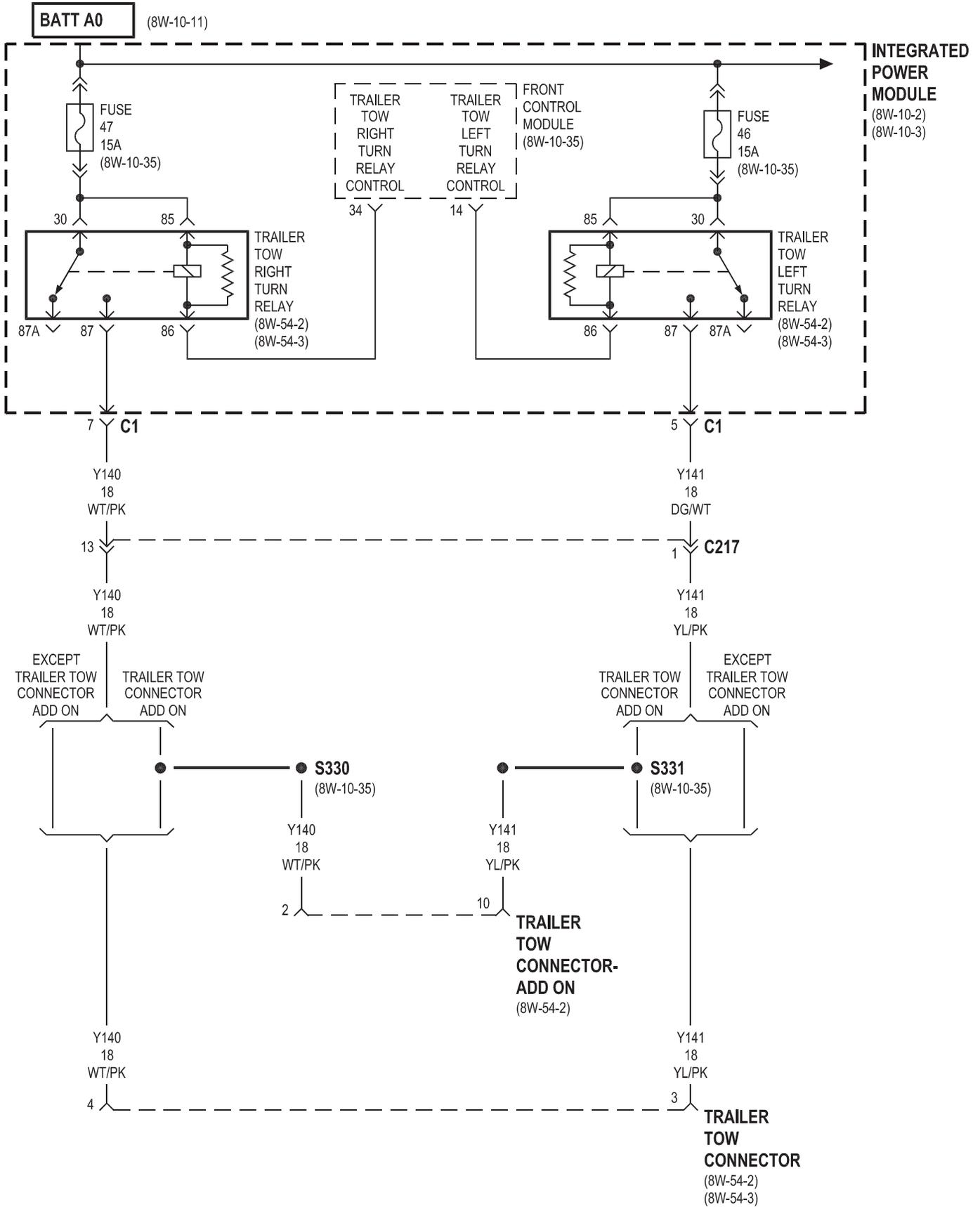
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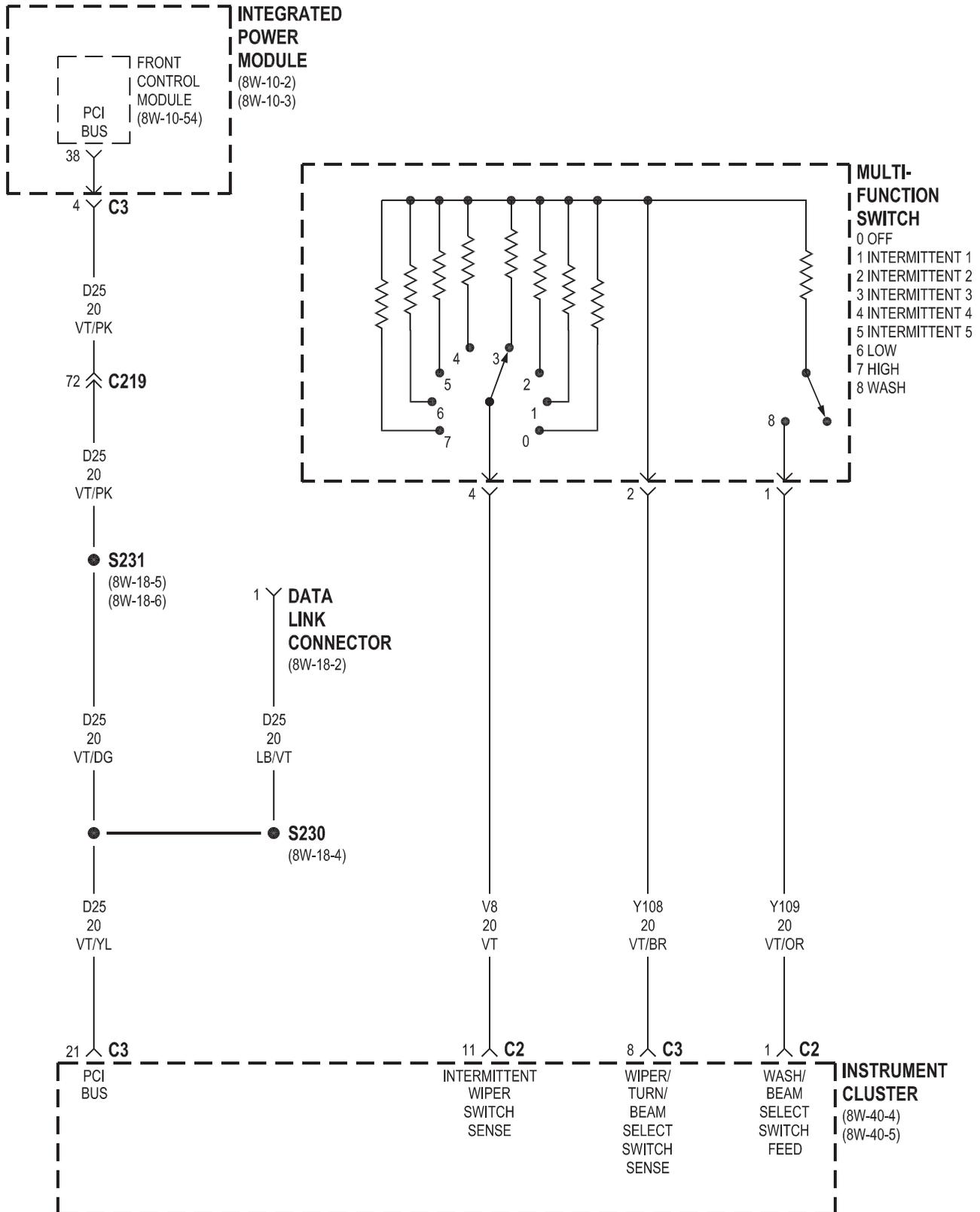
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## 8W-53 WIPERS

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Data Link Connector .....	8W-53-2	Multi-Function Switch .....	8W-53-2
Front Control Module .....	8W-53-2, 3, 4	Washer Fluid Level Switch .....	8W-53-4
Fuse 8 .....	8W-53-3	Washer Pump Motor-Front .....	8W-53-4
G104 .....	8W-53-4	Wiper High/Low Relay .....	8W-53-3, 4
G105 .....	8W-53-4	Wiper Motor-Front .....	8W-53-3, 4
G106 .....	8W-53-3, 4	Wiper On/Off Relay .....	8W-53-3
Instrument Cluster .....	8W-53-2		
Integrated Power Module .....	8W-53-2, 3, 4		



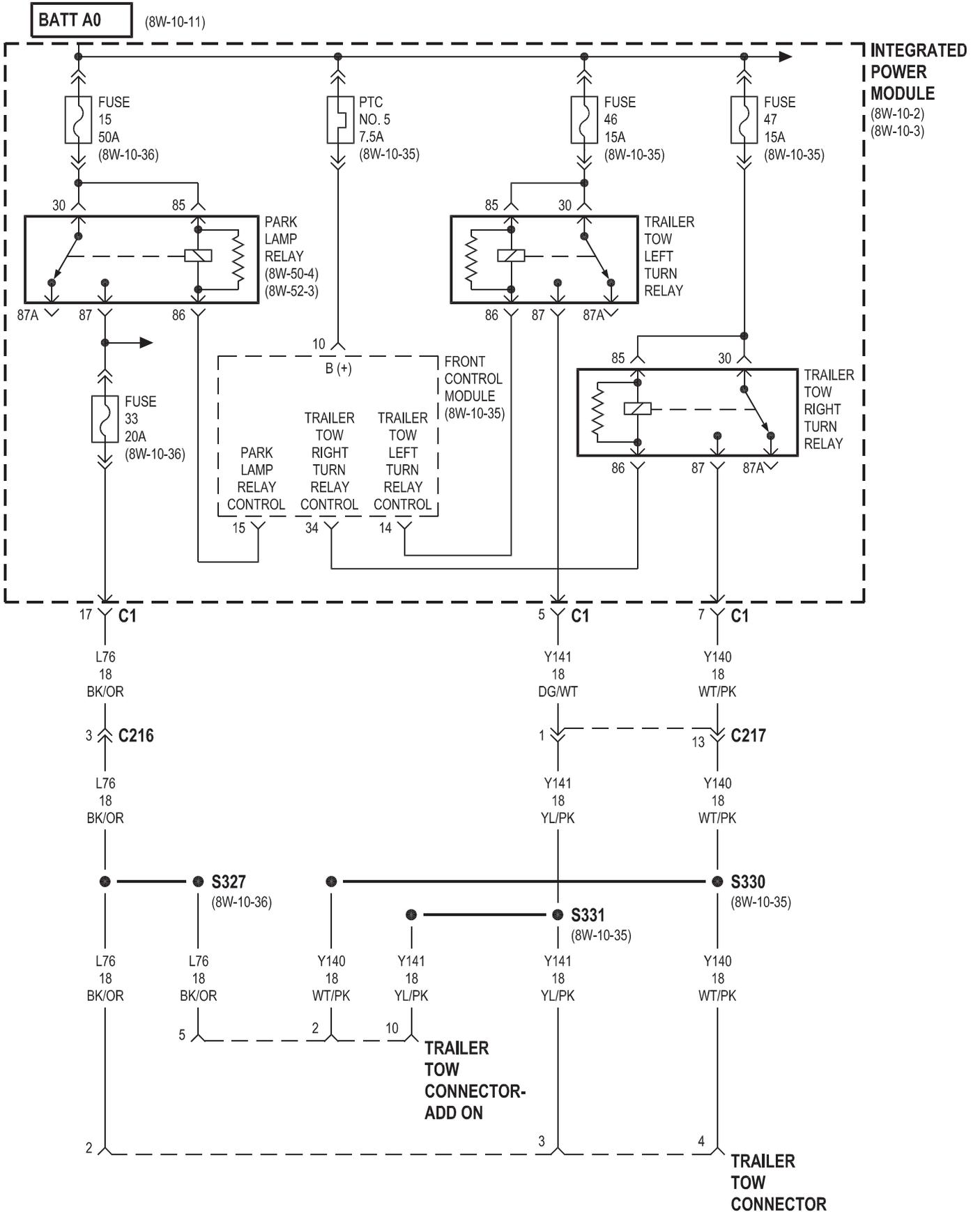
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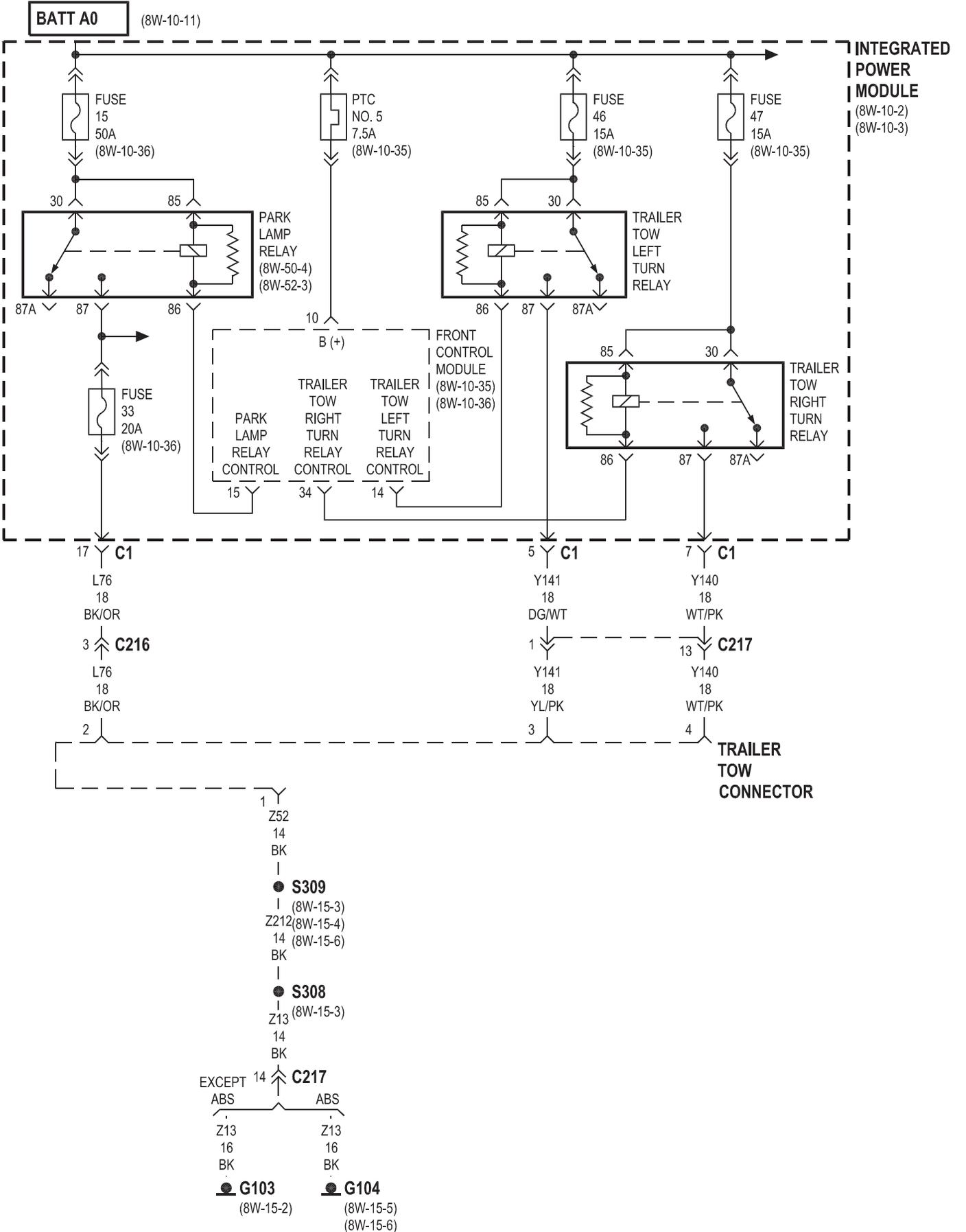


## 8W-54 TRAILER TOW

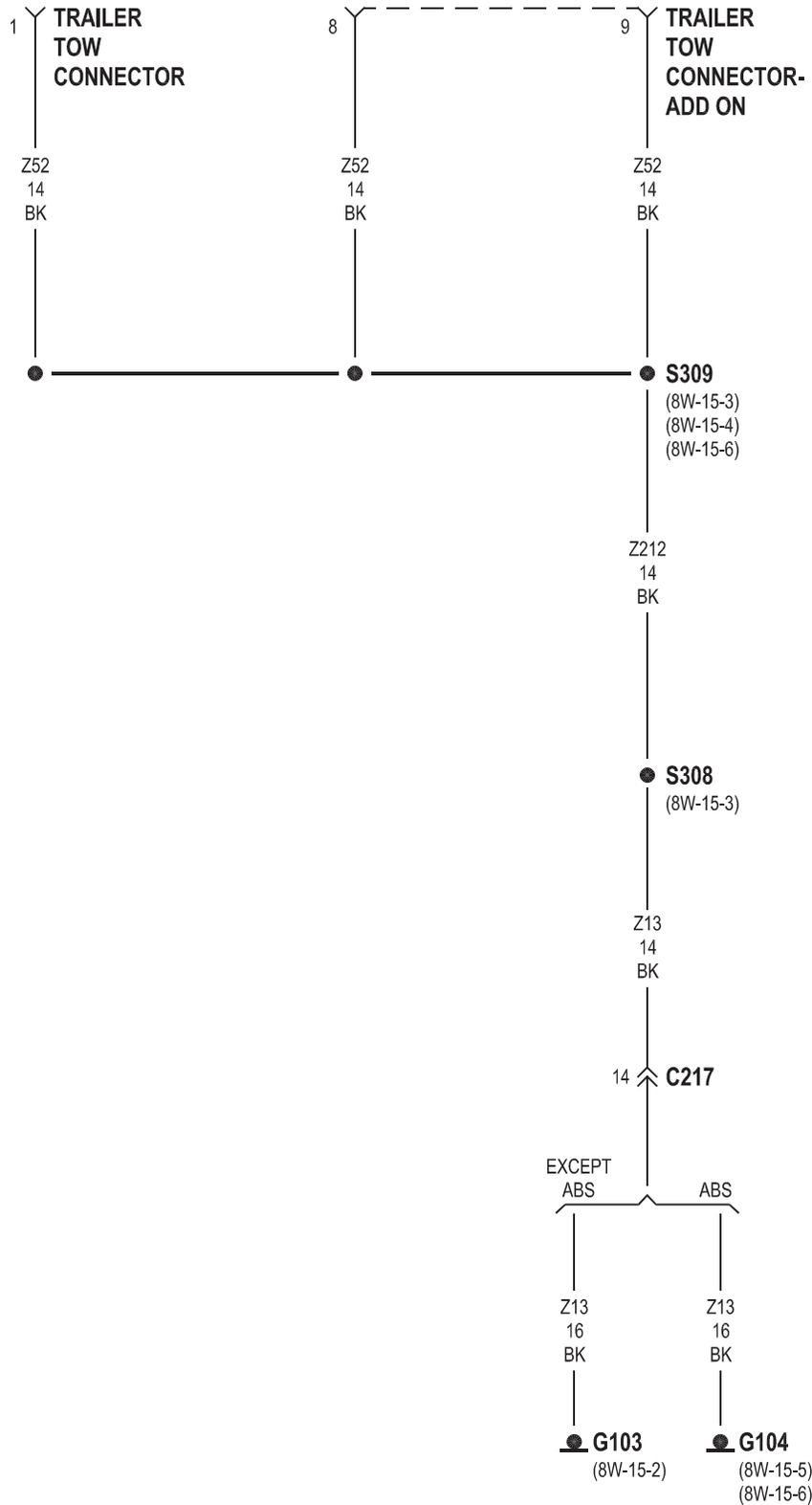
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Brake Lamp Switch . . . . .	8W-54-5	G104 . . . . .	8W-54-3, 4, 5
Electric Brake Provision . . . . .	8W-54-5	G106 . . . . .	8W-54-5
Front Control Module . . . . .	8W-54-2, 3, 5	Integrated Power Module . . . . .	8W-54-2, 3, 5
Fuse 1 . . . . .	8W-54-5	Park Lamp Relay . . . . .	8W-54-2, 3
Fuse 15 . . . . .	8W-54-2, 3	PTC No. 5 . . . . .	8W-54-2, 3
Fuse 24 . . . . .	8W-54-5	Trailer Tow Connector . . . . .	8W-54-2, 3, 4
Fuse 33 . . . . .	8W-54-2, 3	Trailer Tow Connector-Add On . . . . .	8W-54-2, 4, 5
Fuse 46 . . . . .	8W-54-2, 3	Trailer Tow Left Turn Relay . . . . .	8W-54-2, 3
Fuse 47 . . . . .	8W-54-2, 3	Trailer Tow Right Turn Relay . . . . .	8W-54-2, 3
G103 . . . . .	8W-54-3, 4		



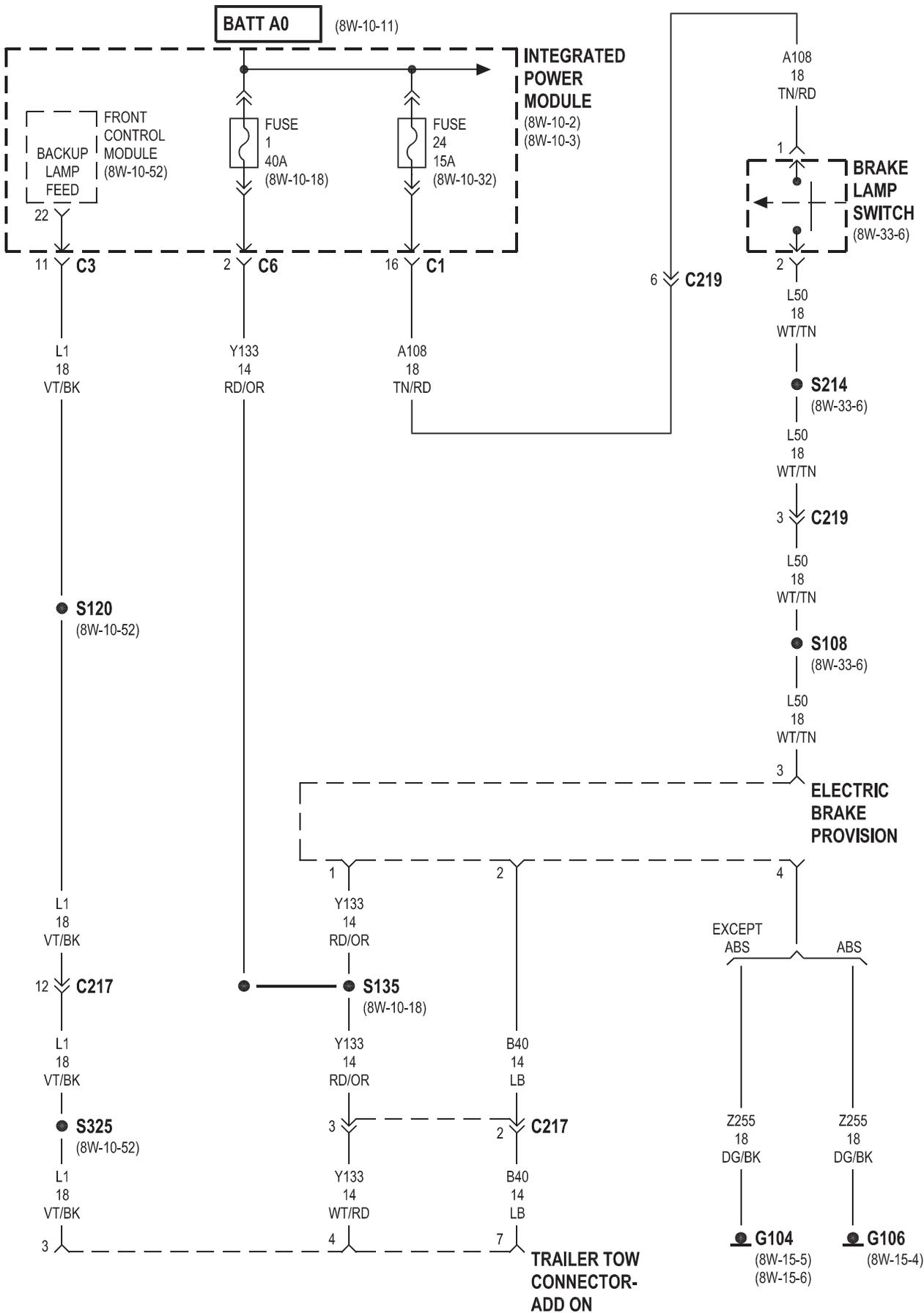
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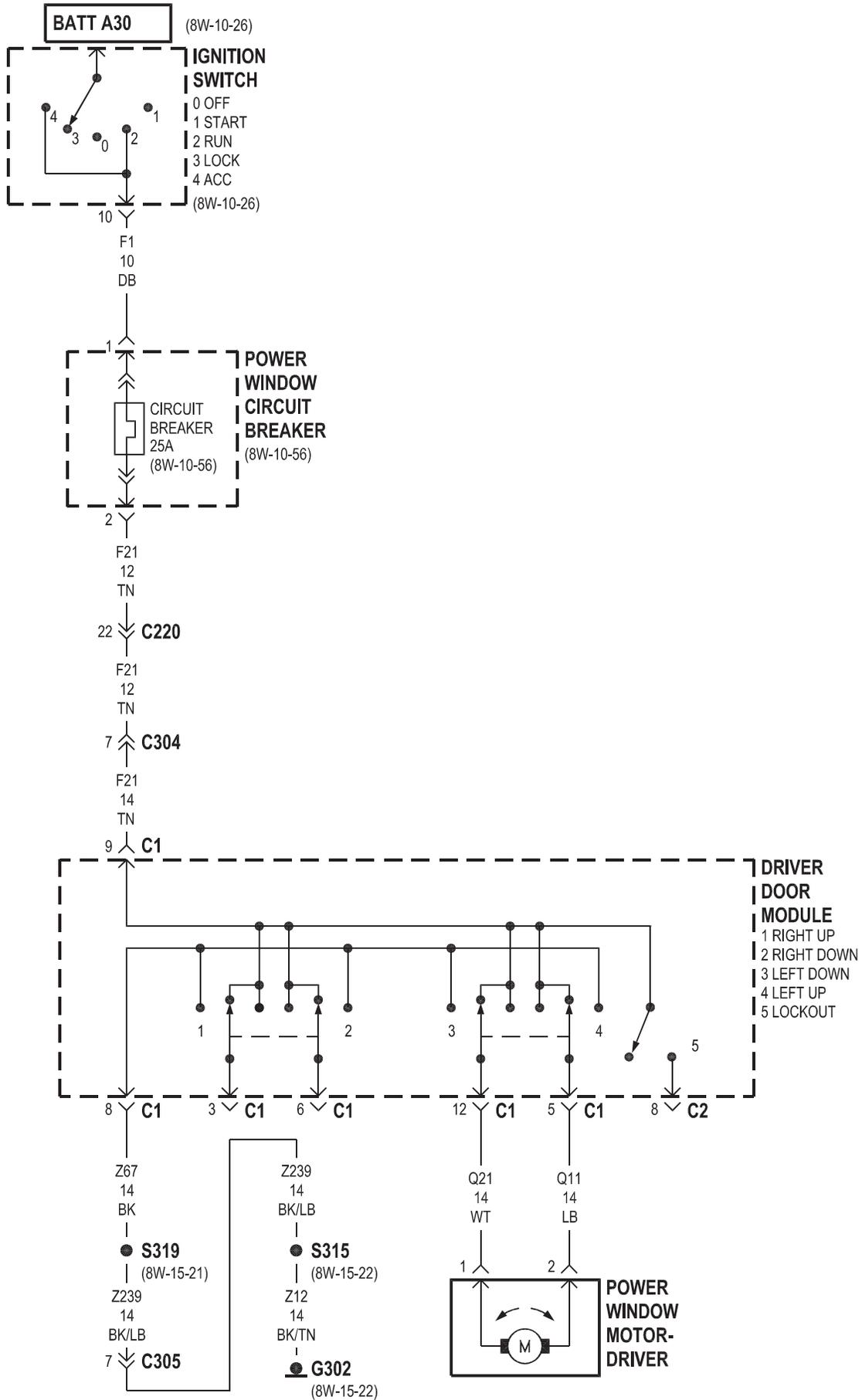


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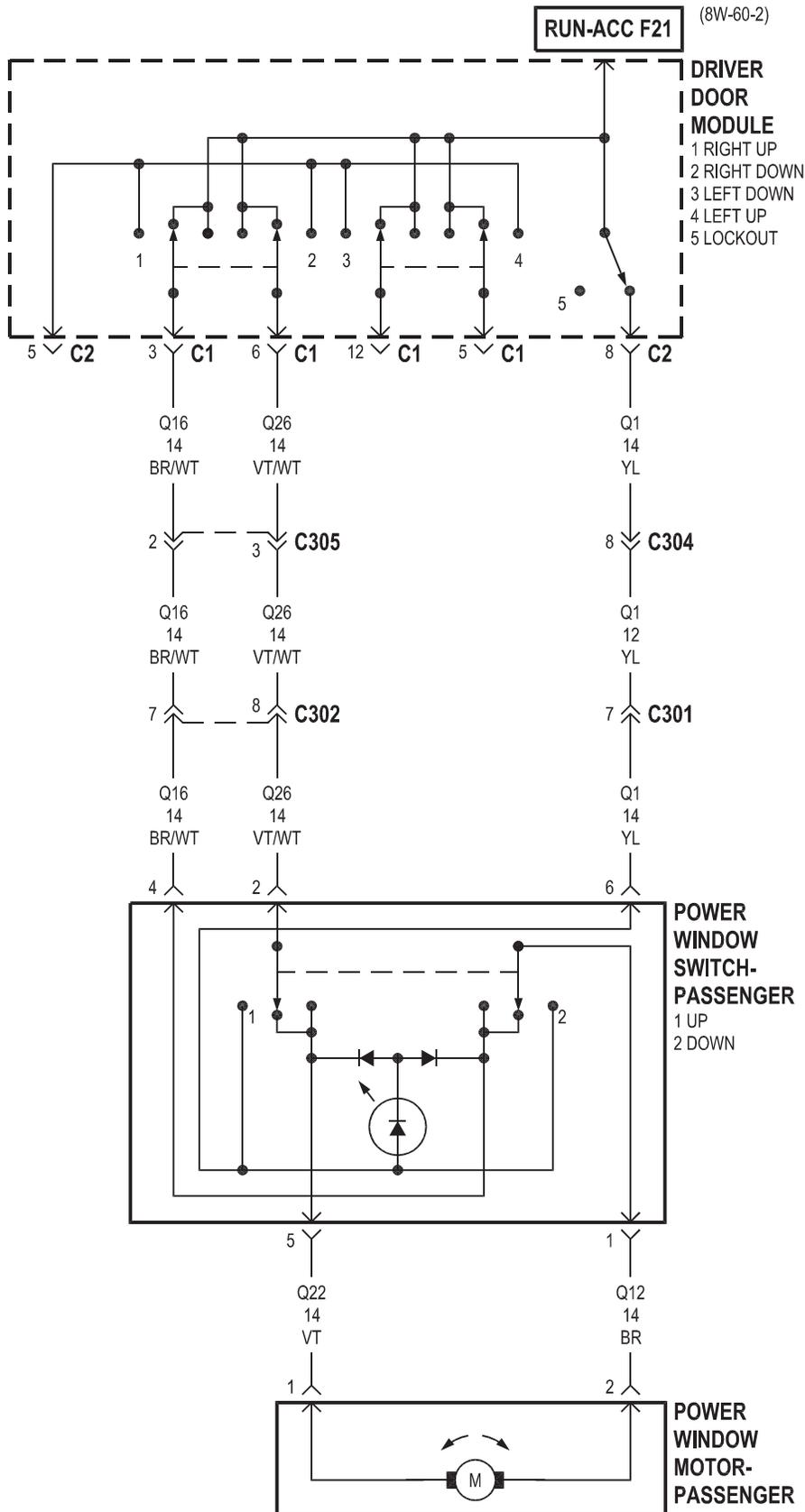


## 8W-60 POWER WINDOWS

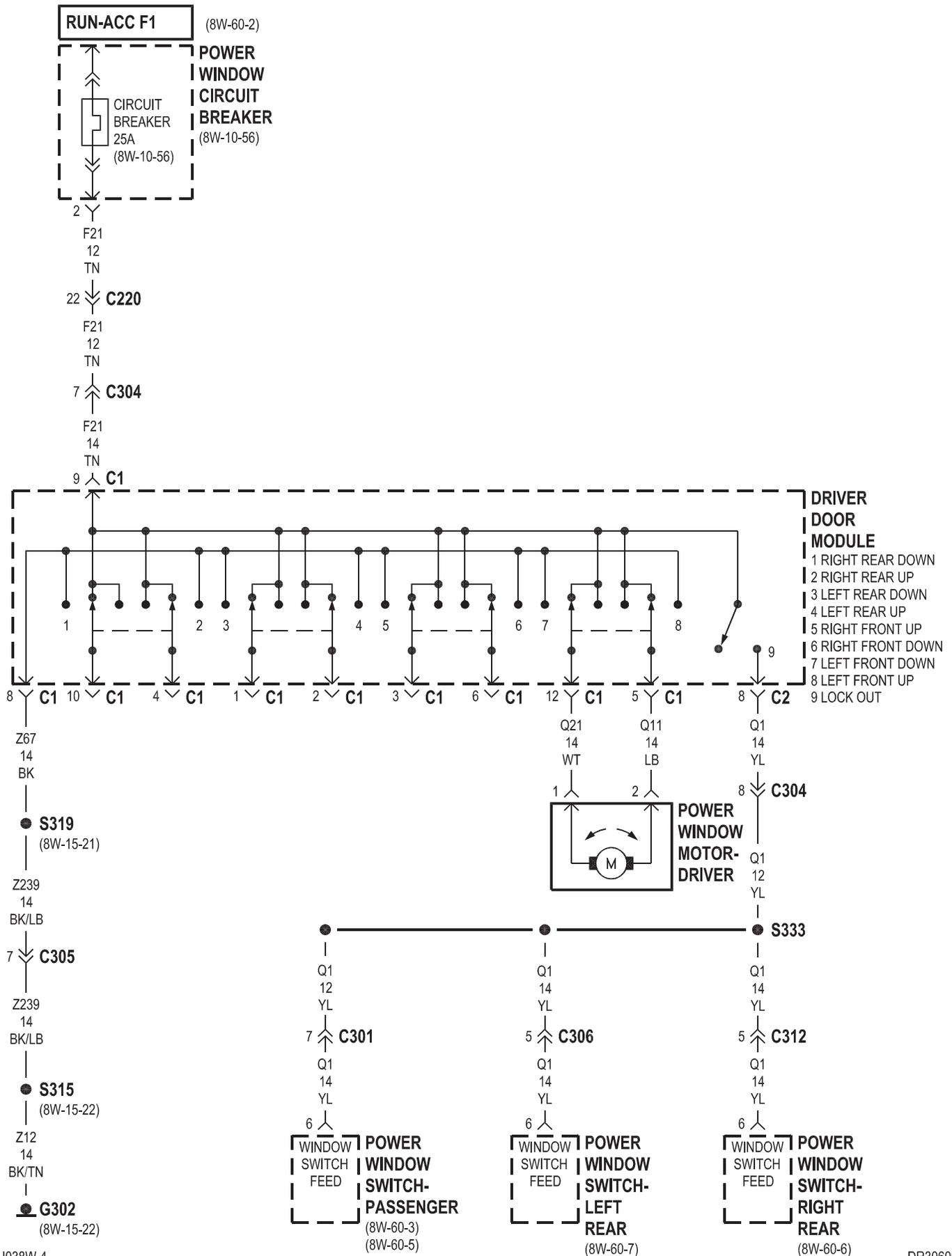
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Circuit Breaker . . . . .	8W-60-2, 4	Power Window Motor-Passenger . . . . .	8W-60-3, 5
Driver Door Module . . . . .	8W-60-2, 3, 4, 5, 6, 7	Power Window Motor-Right Rear . . . . .	8W-60-6
G302 . . . . .	8W-60-2, 4	Power Window Switch-Left Rear . . . . .	8W-60-4, 7
Ignition Switch . . . . .	8W-60-2	Power Window Switch-Passenger . . . . .	8W-60-3, 4, 5
Power Window Circuit Breaker . . . . .	8W-60-2, 4	Power Window Switch-Right Rear . . . . .	8W-60-4, 6
Power Window Motor-Driver . . . . .	8W-60-2, 4		
Power Window Motor-Left Rear . . . . .	8W-60-7		



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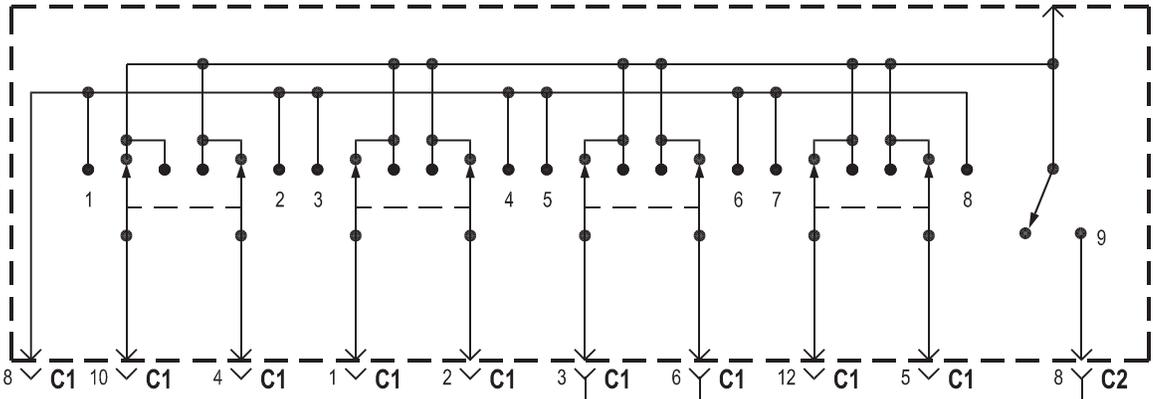


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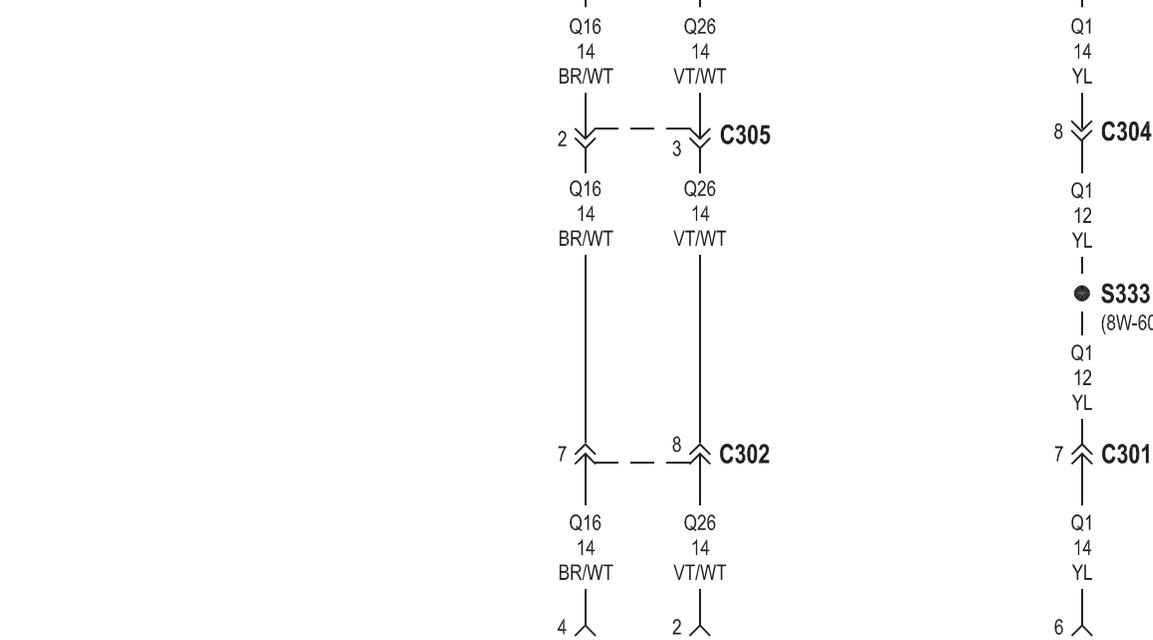


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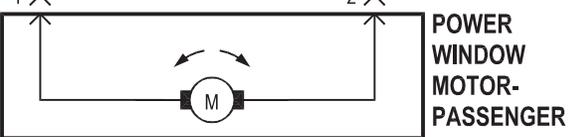
**RUN-ACC F21** (8W-60-2)



- DRIVER DOOR MODULE**
- 1 RIGHT REAR DOWN
  - 2 RIGHT REAR UP
  - 3 LEFT REAR DOWN
  - 4 LEFT REAR UP
  - 5 RIGHT FRONT DOWN
  - 6 RIGHT FRONT UP
  - 7 LEFT FRONT DOWN
  - 8 LEFT FRONT UP
  - 9 LOCK OUT



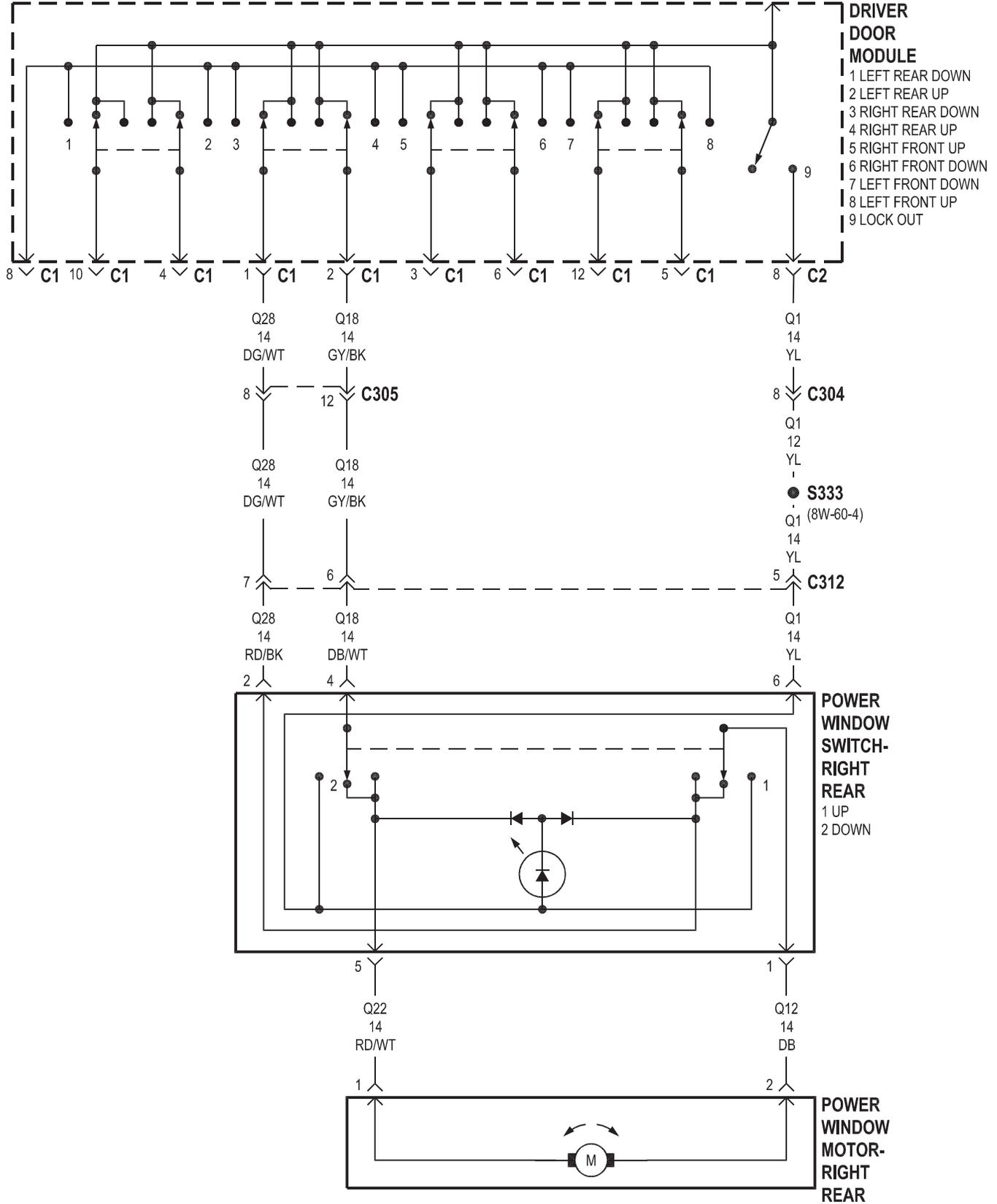
- POWER WINDOW SWITCH-PASSENGER**
- 1 UP
  - 2 DOWN



- POWER WINDOW MOTOR-PASSENGER**

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RUN-ACC F21 (8W-60-2)



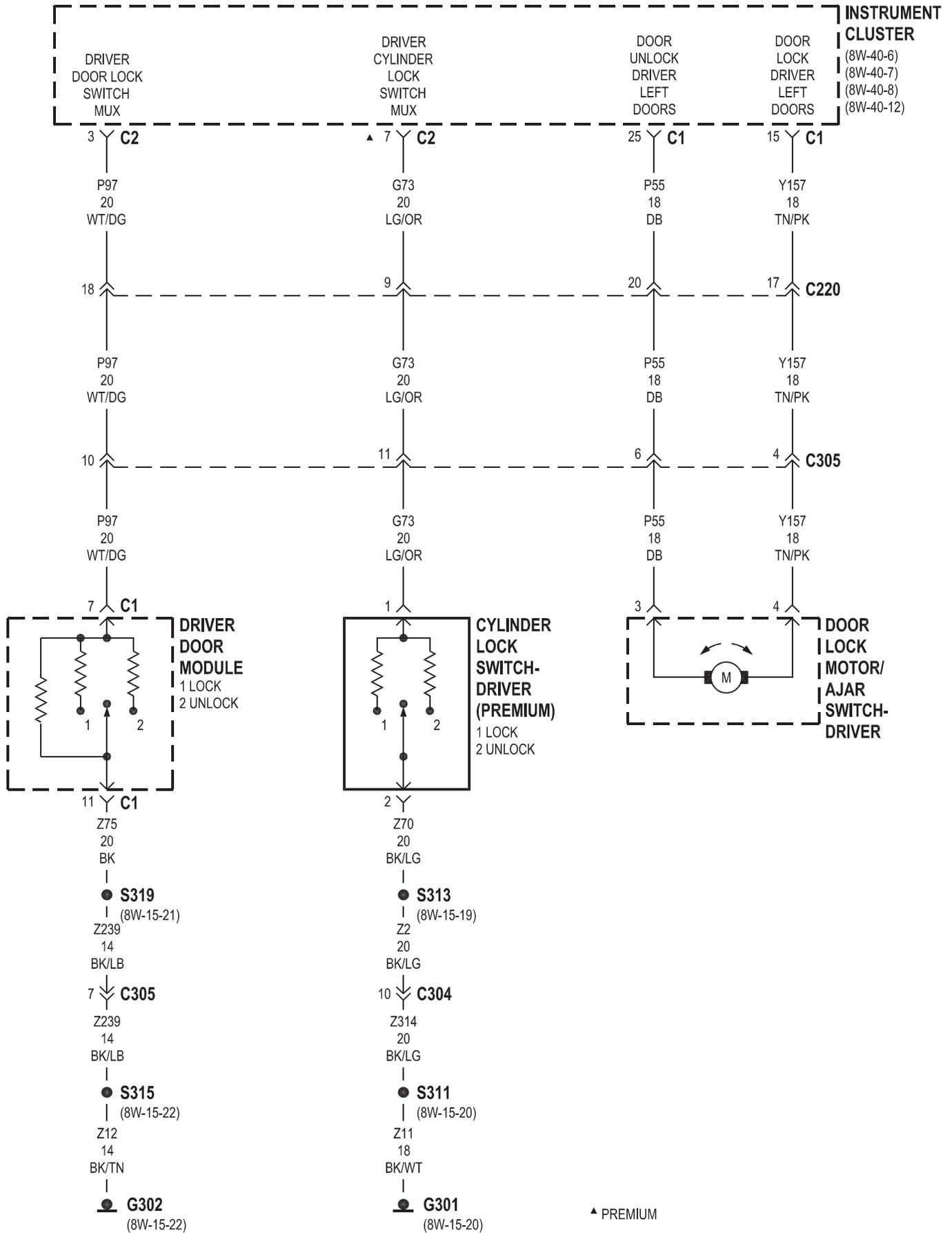
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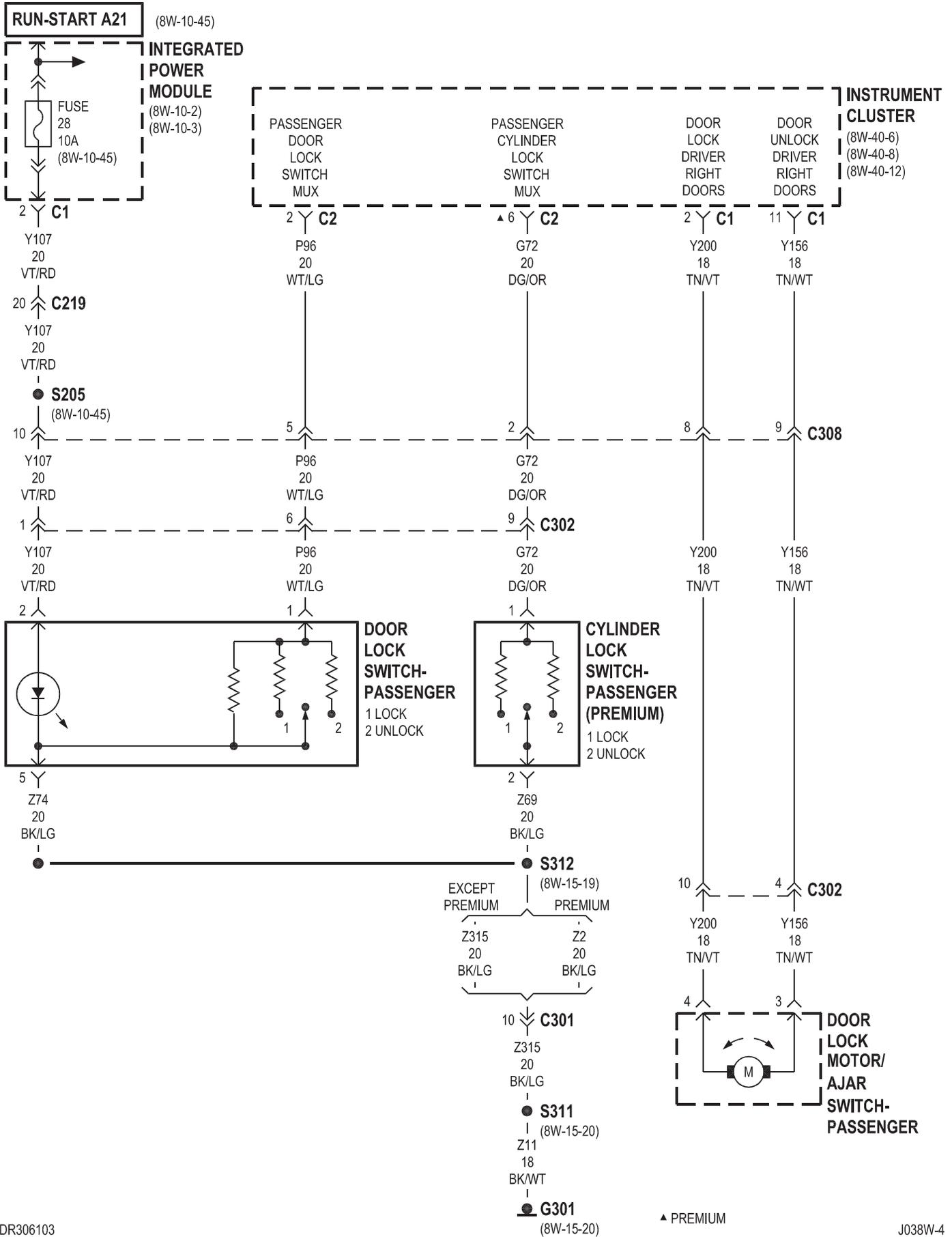


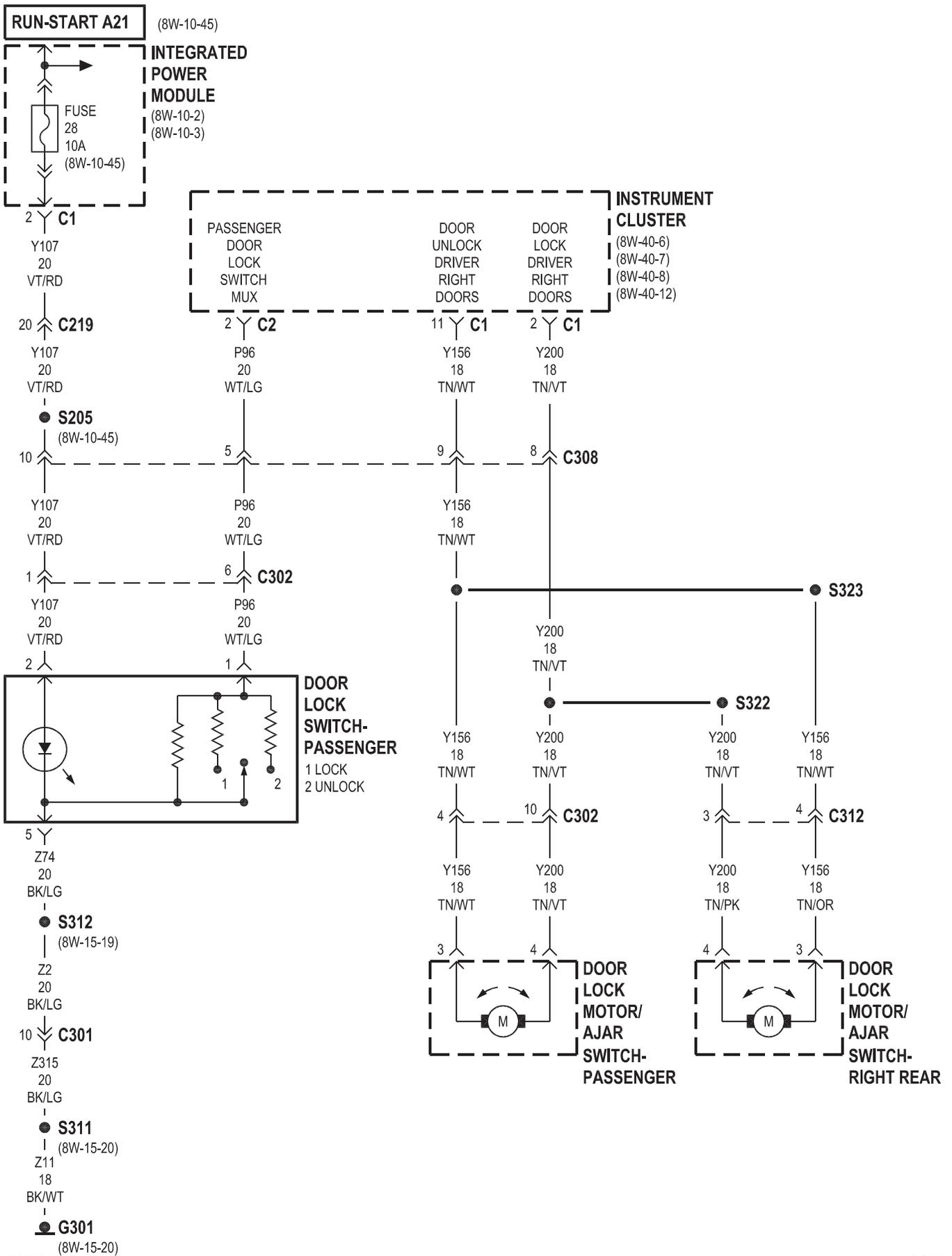
## 8W-61 POWER DOOR LOCKS

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
Cylinder Lock Switch-Driver . . . . .	8W-61-2	Door Lock Switch- Passenger . . . . .	8W-61-3, 4
Cylinder Lock Switch-Passenger . . . . .	8W-61-3, 5	Driver Door Module . . . . .	8W-61-2
Door Lock Motor/Ajar Switch-Driver . . . . .	8W-61-2	Fuse 28 . . . . .	8W-61-3, 4
Door Lock Motor/Ajar Switch-Left Rear . . .	8W-61-5	G301 . . . . .	8W-61-2, 3, 4, 5
Door Lock Motor/Ajar		G302 . . . . .	8W-61-2
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Door Lock Motor/Ajar Switch-Right		Integrated Power Module . . . . .	8W-61-3, 4
Rear . . . . .	8W-61-4		

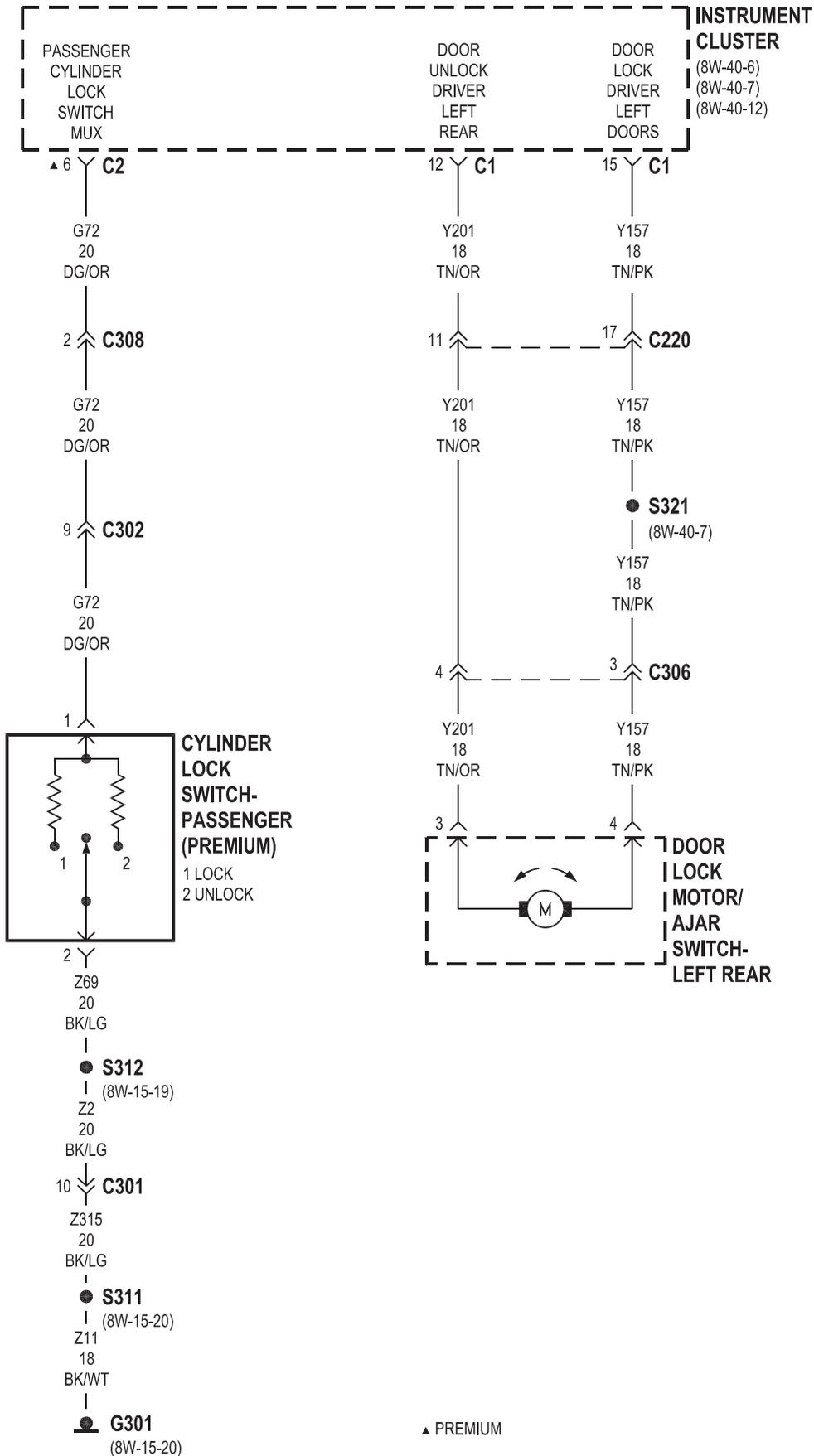


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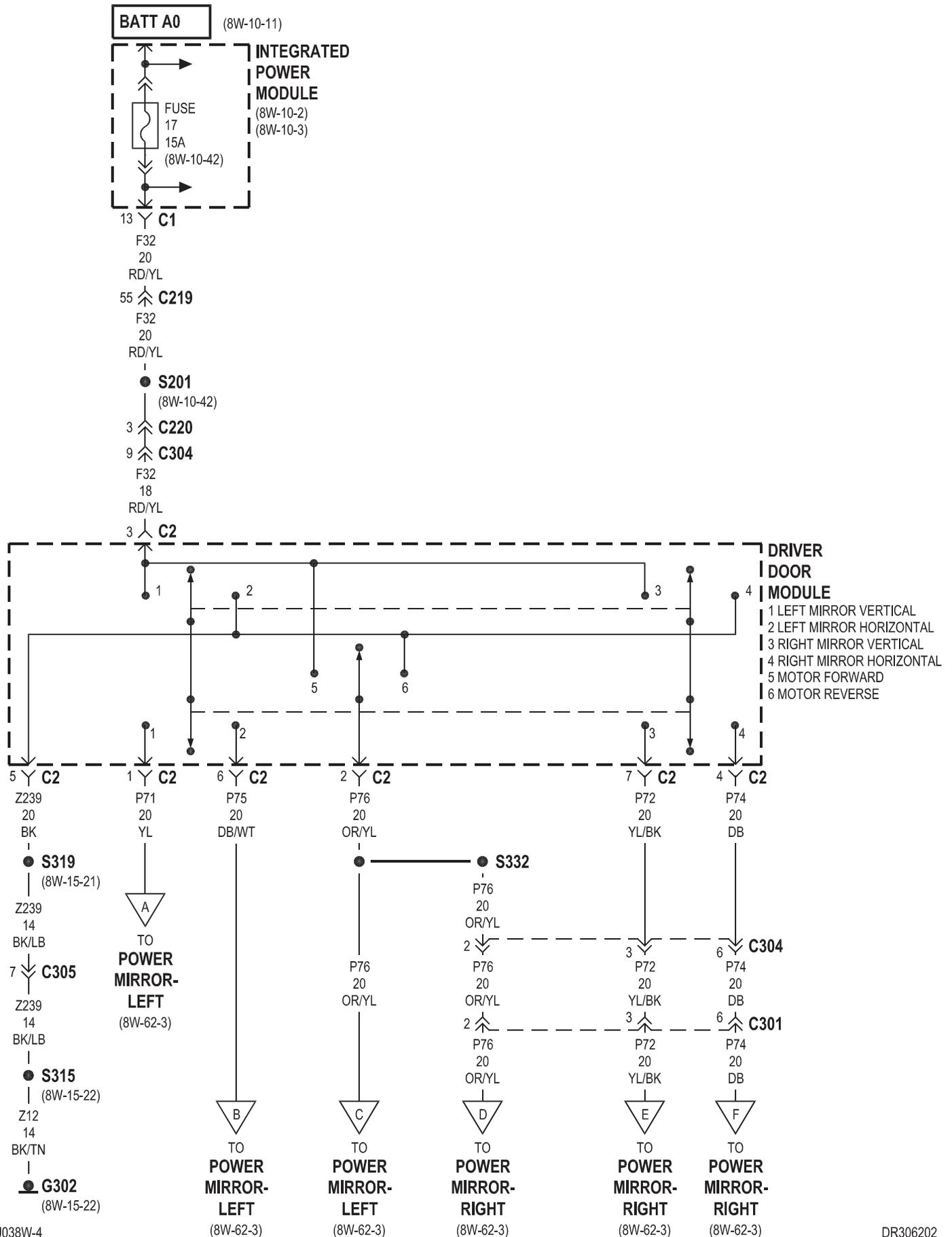


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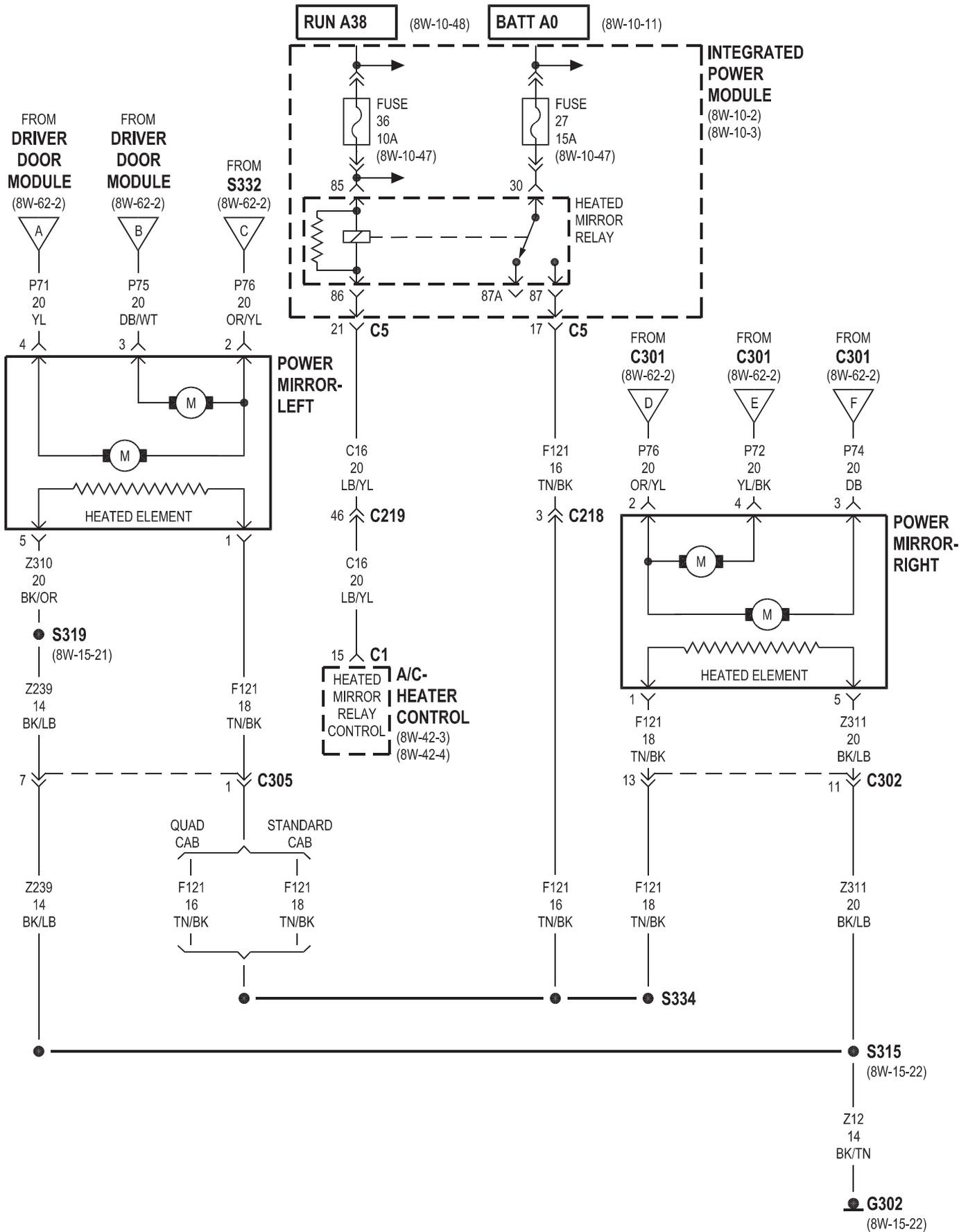


### 8W-62 POWER MIRRORS

<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
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Fuse 27 . . . . .	8W-62-3	Power Mirror-Right . . . . .	8W-62-2, 3
Fuse 36 . . . . .	8W-62-3		
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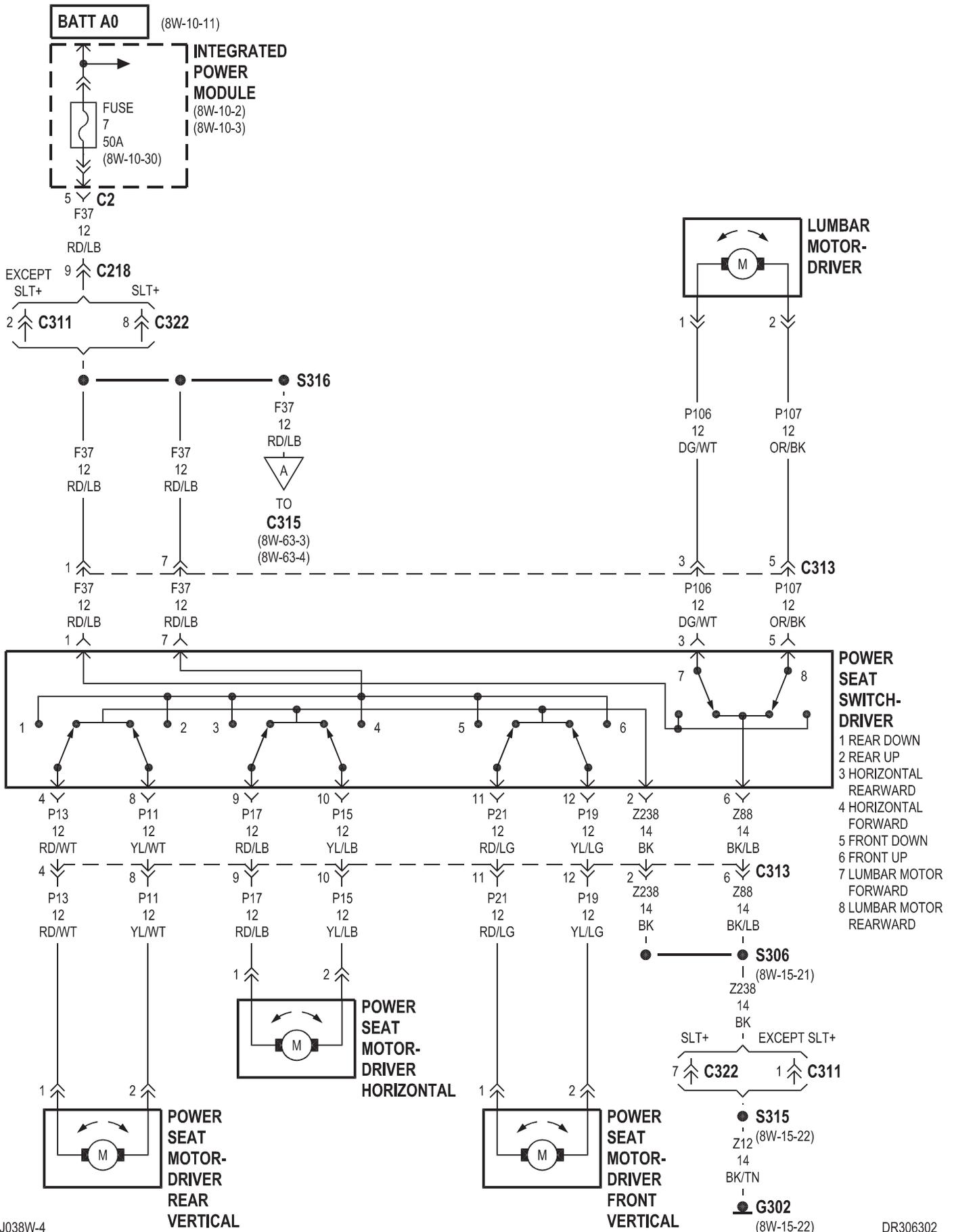


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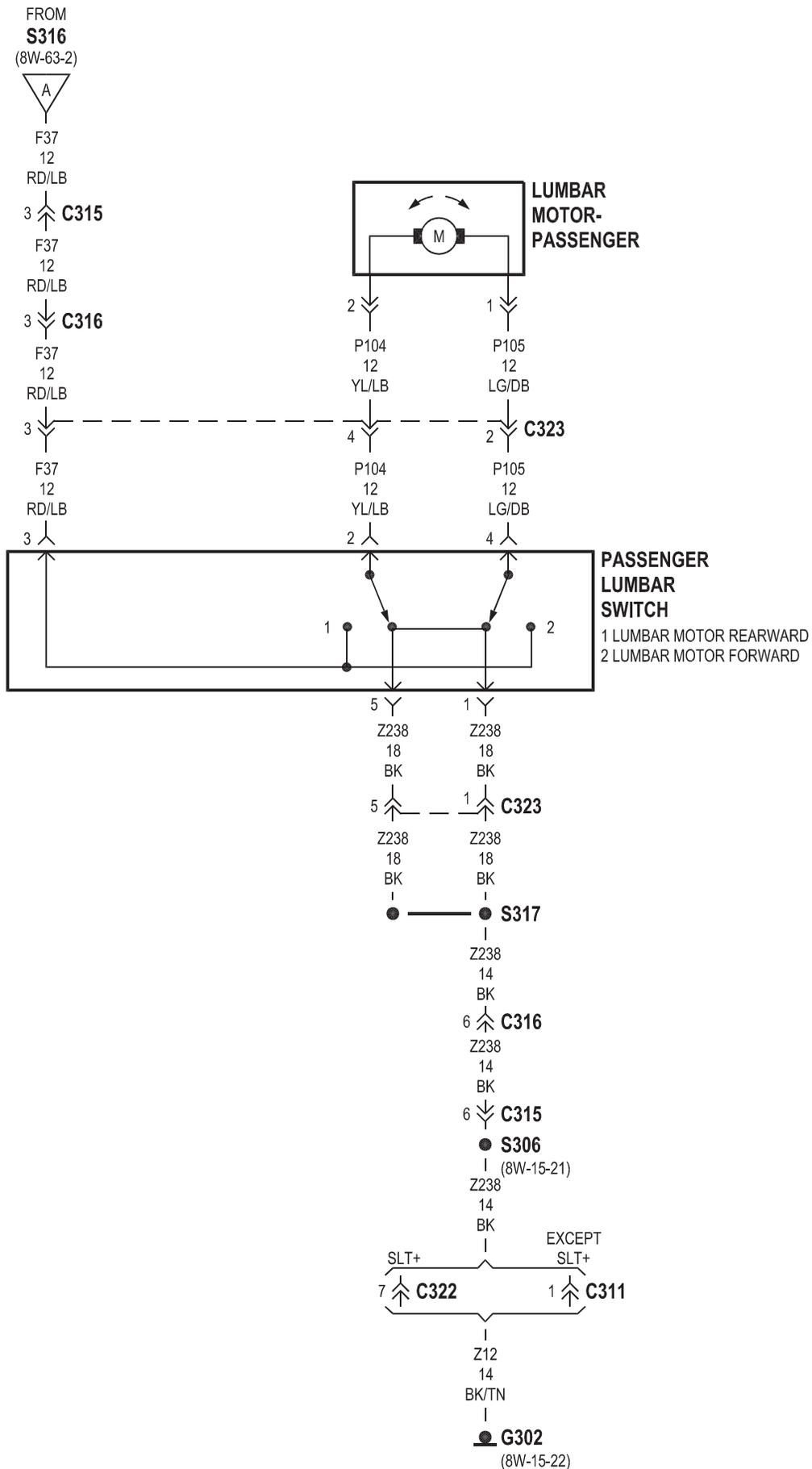


## 8W-63 POWER SEATS

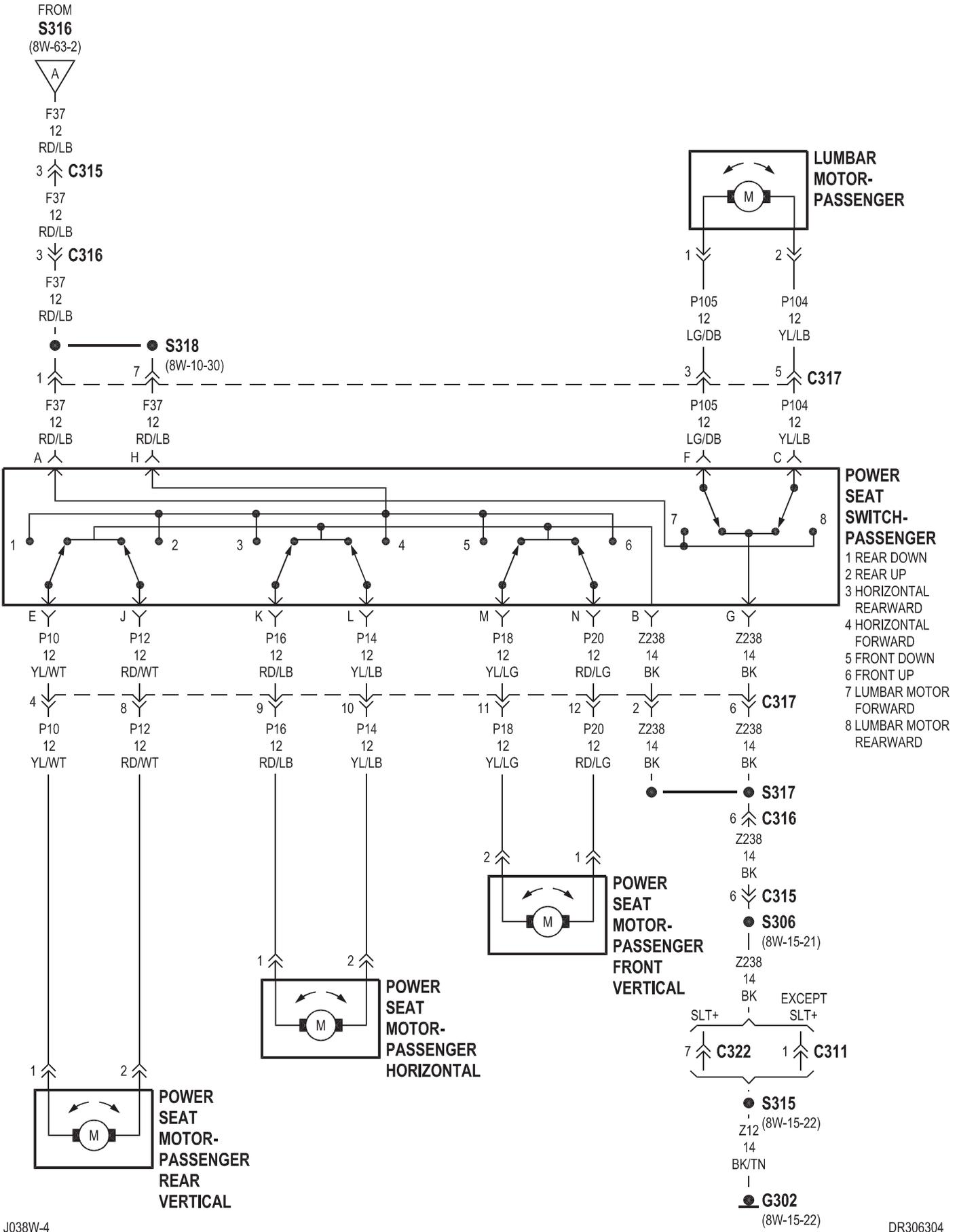
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
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Fuse 48 .....	8W-63-6	Power Seat Motor-Driver Horizontal .....	8W-63-2
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Heated Seat Cushion-Driver .....	8W-63-6	Vertical .....	8W-63-4
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Heated Seat Switch-Passenger .....	8W-63-5, 6	Vertical .....	8W-63-4
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Lumbar Motor-Driver .....	8W-63-2	Seat Heater Interface Module .....	8W-63-6
Lumbar Motor-Passenger .....	8W-63-3, 4		
Passenger Lumbar Switch .....	8W-63-3		



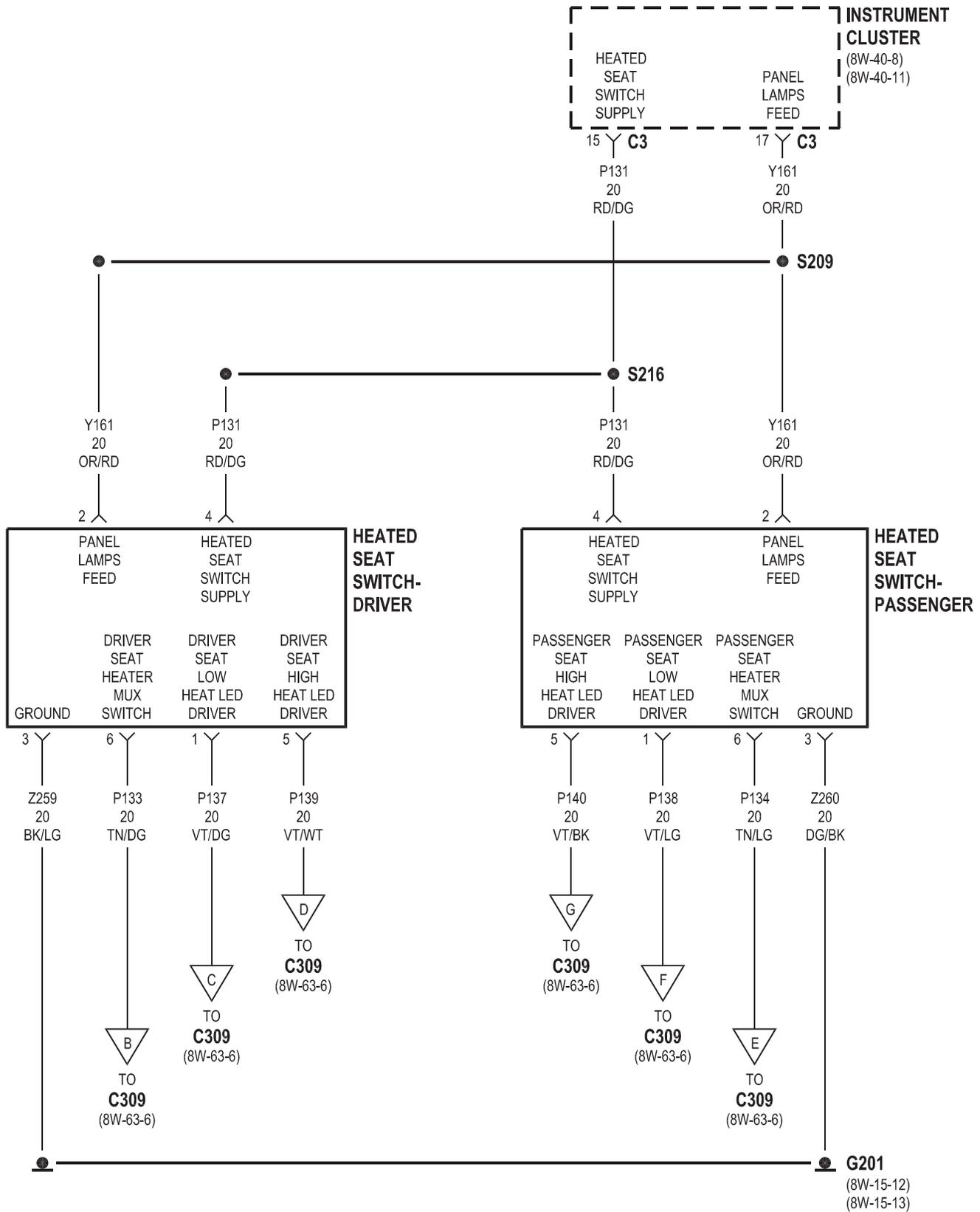
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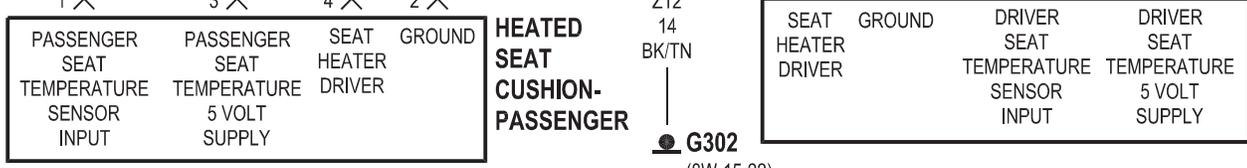
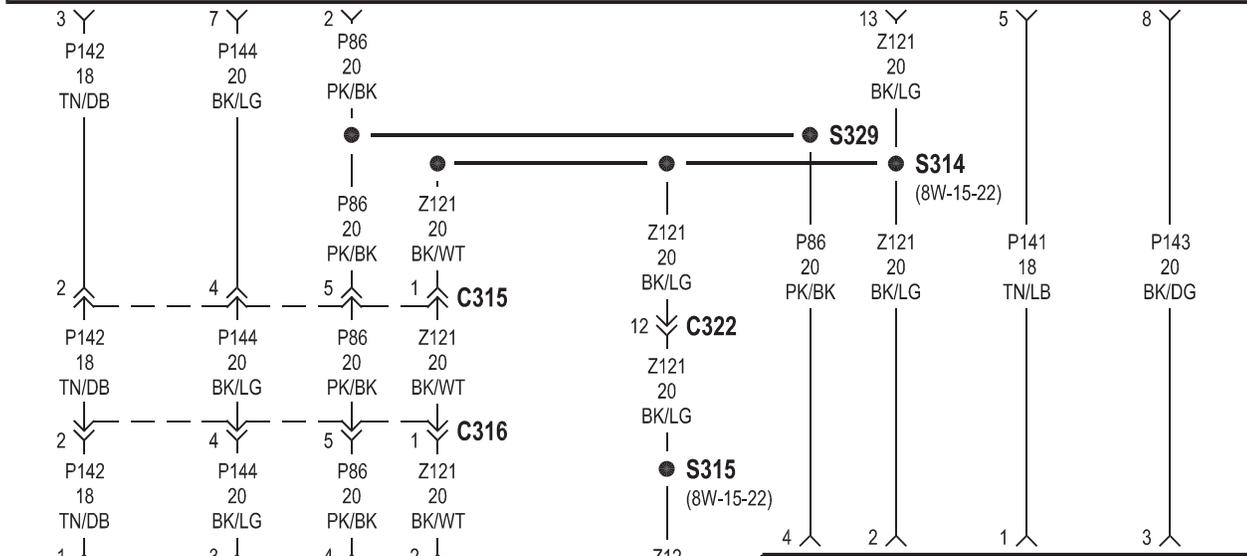
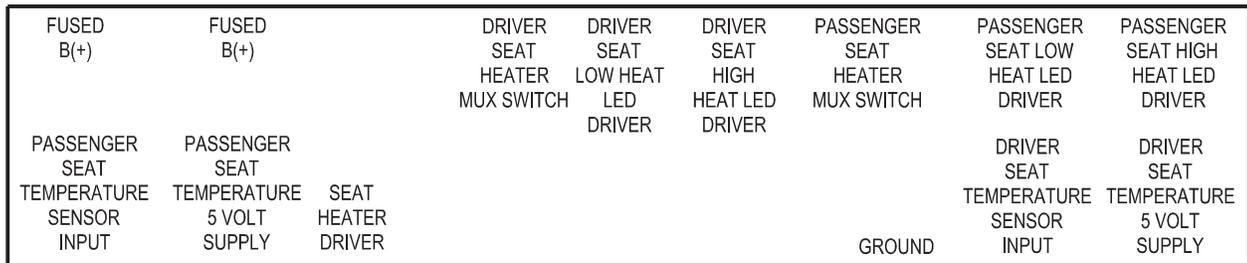
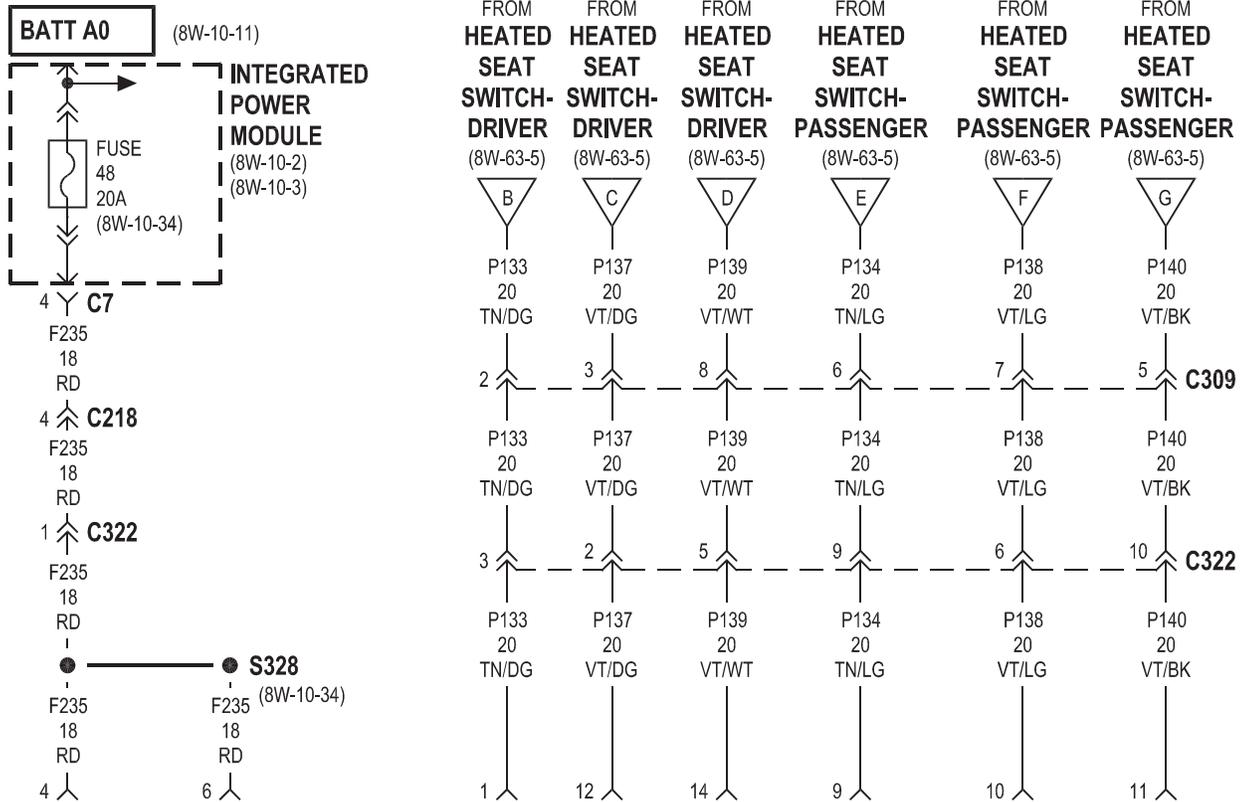
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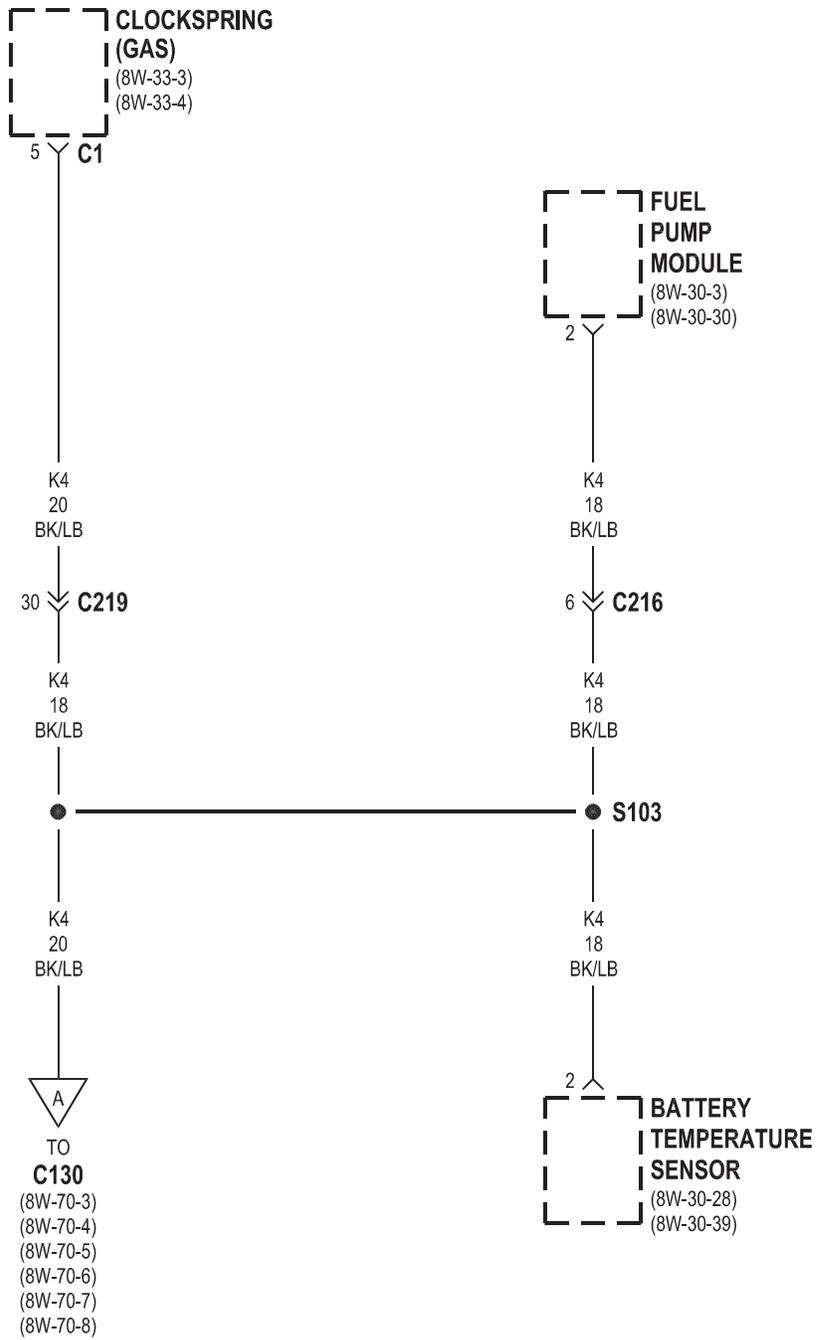
SEAT HEATER INTERFACE MODULE

HEATED SEAT CUSHION-DRIVER

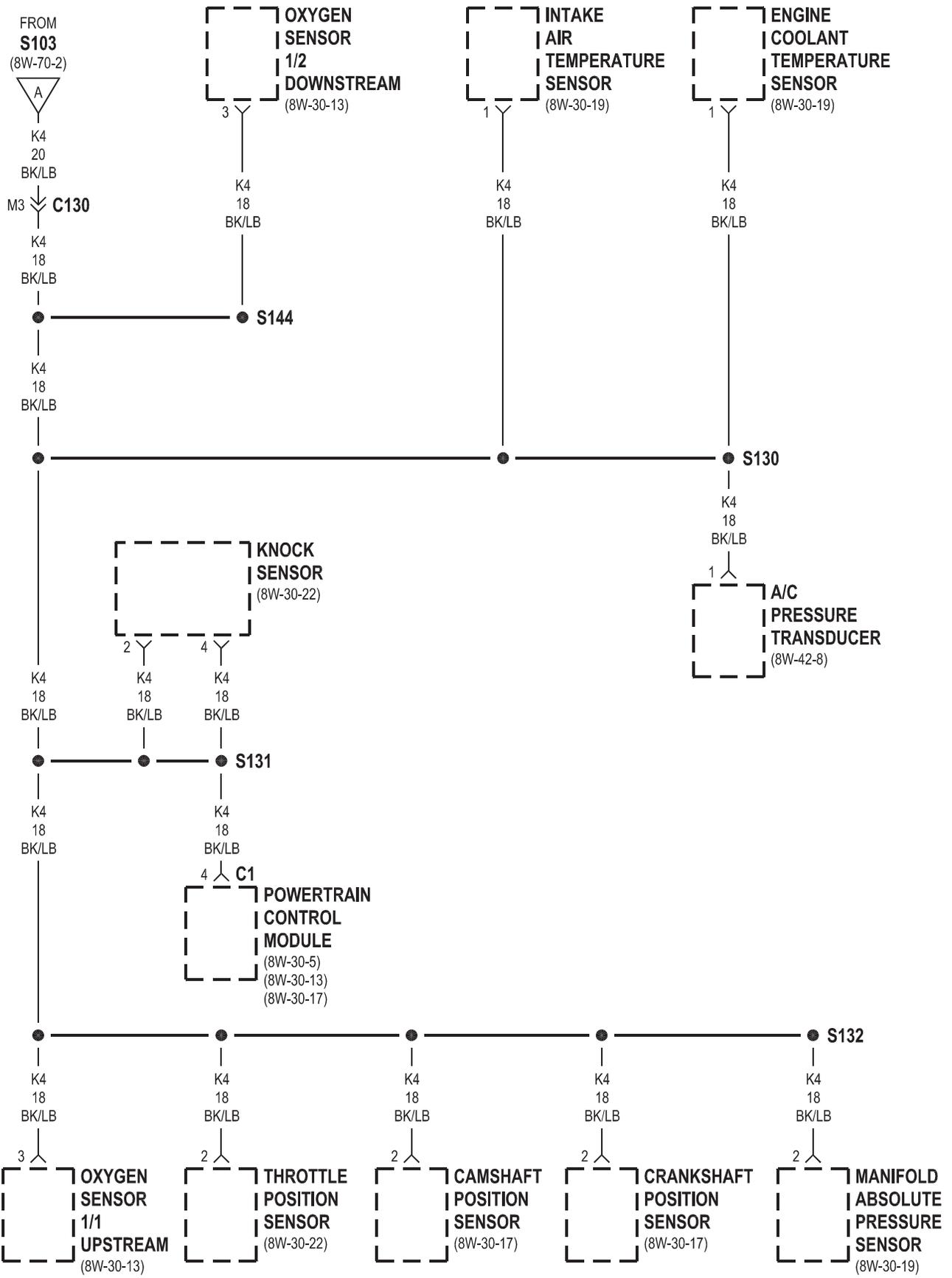
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## 8W-70 SPLICE INFORMATION

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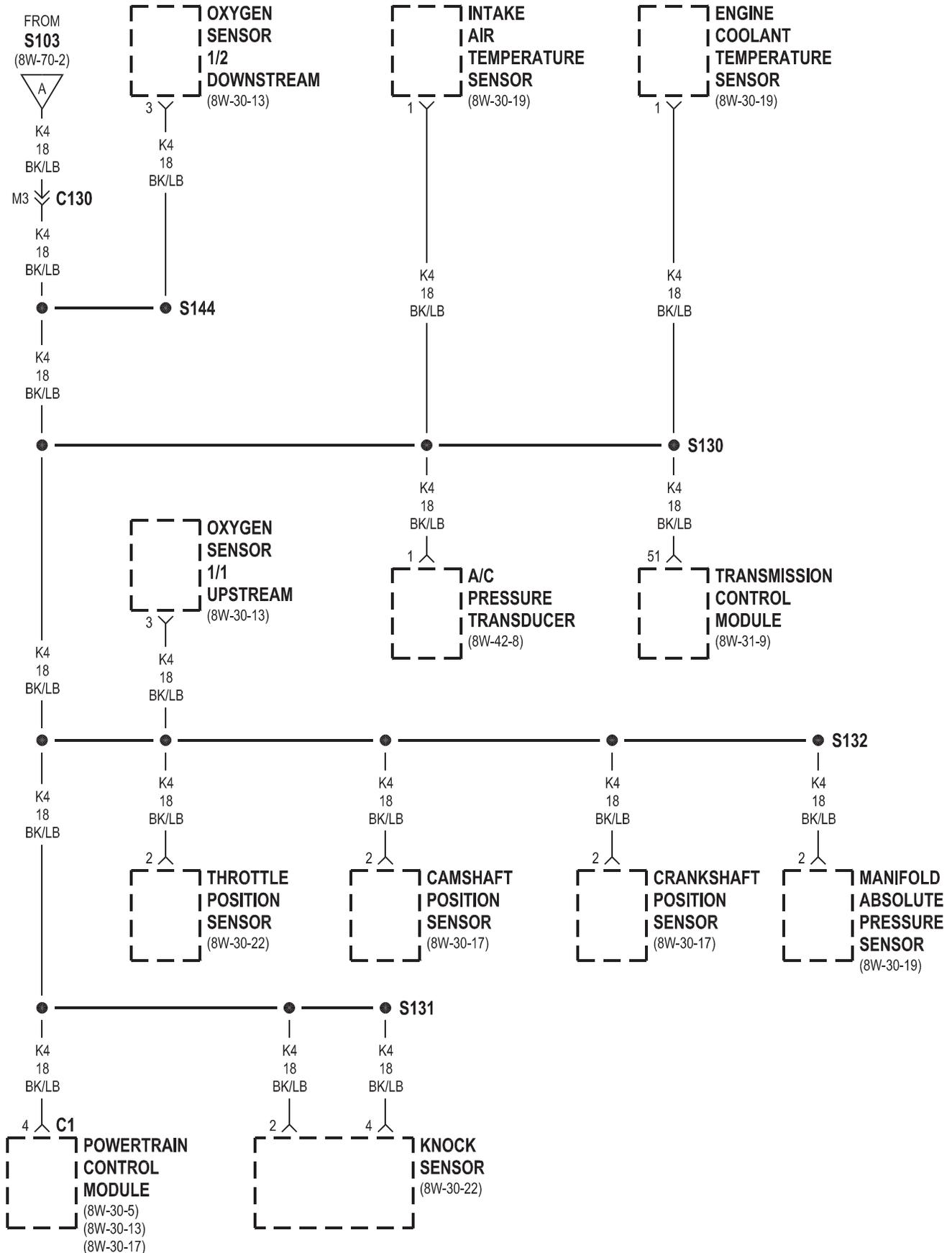


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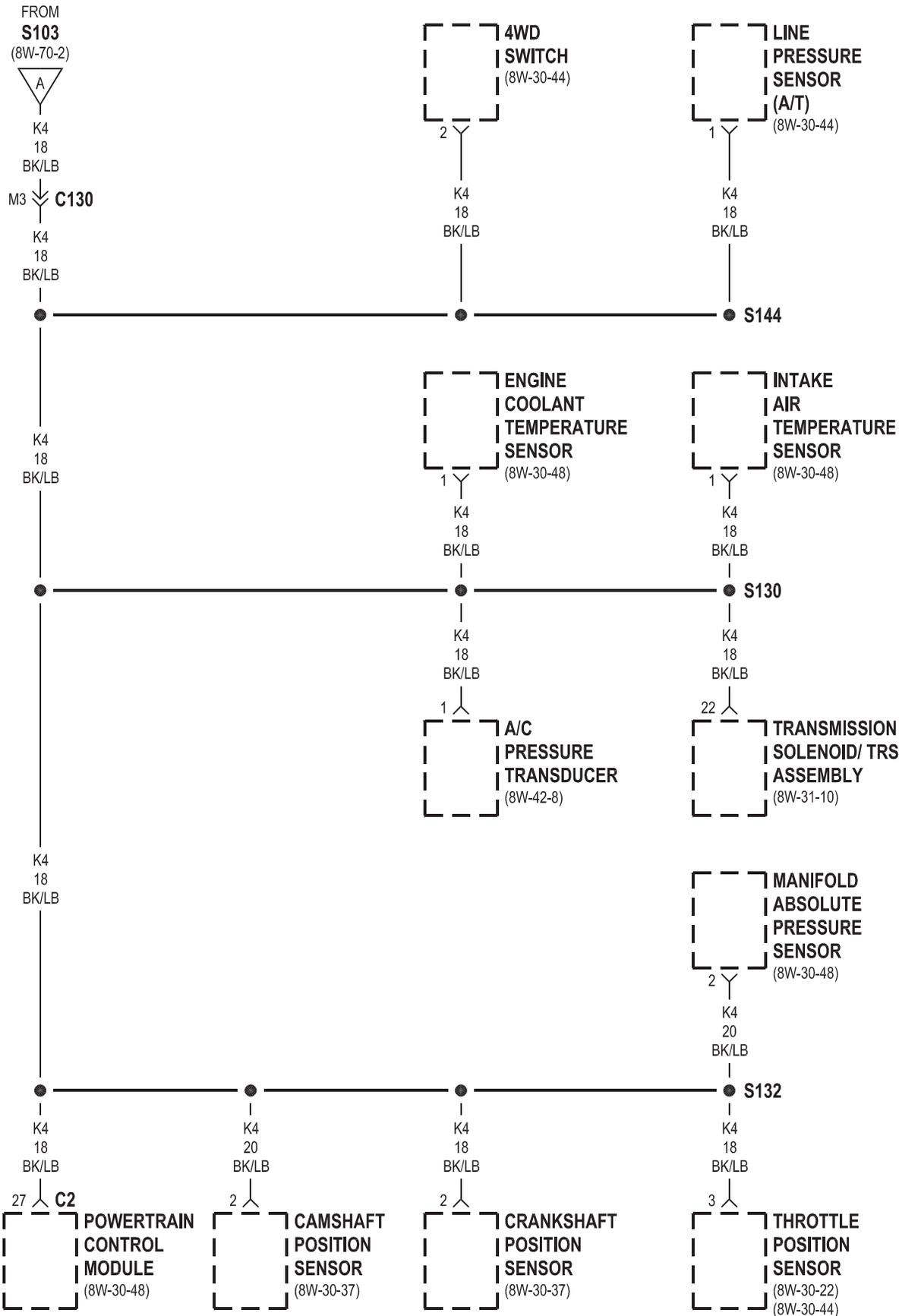
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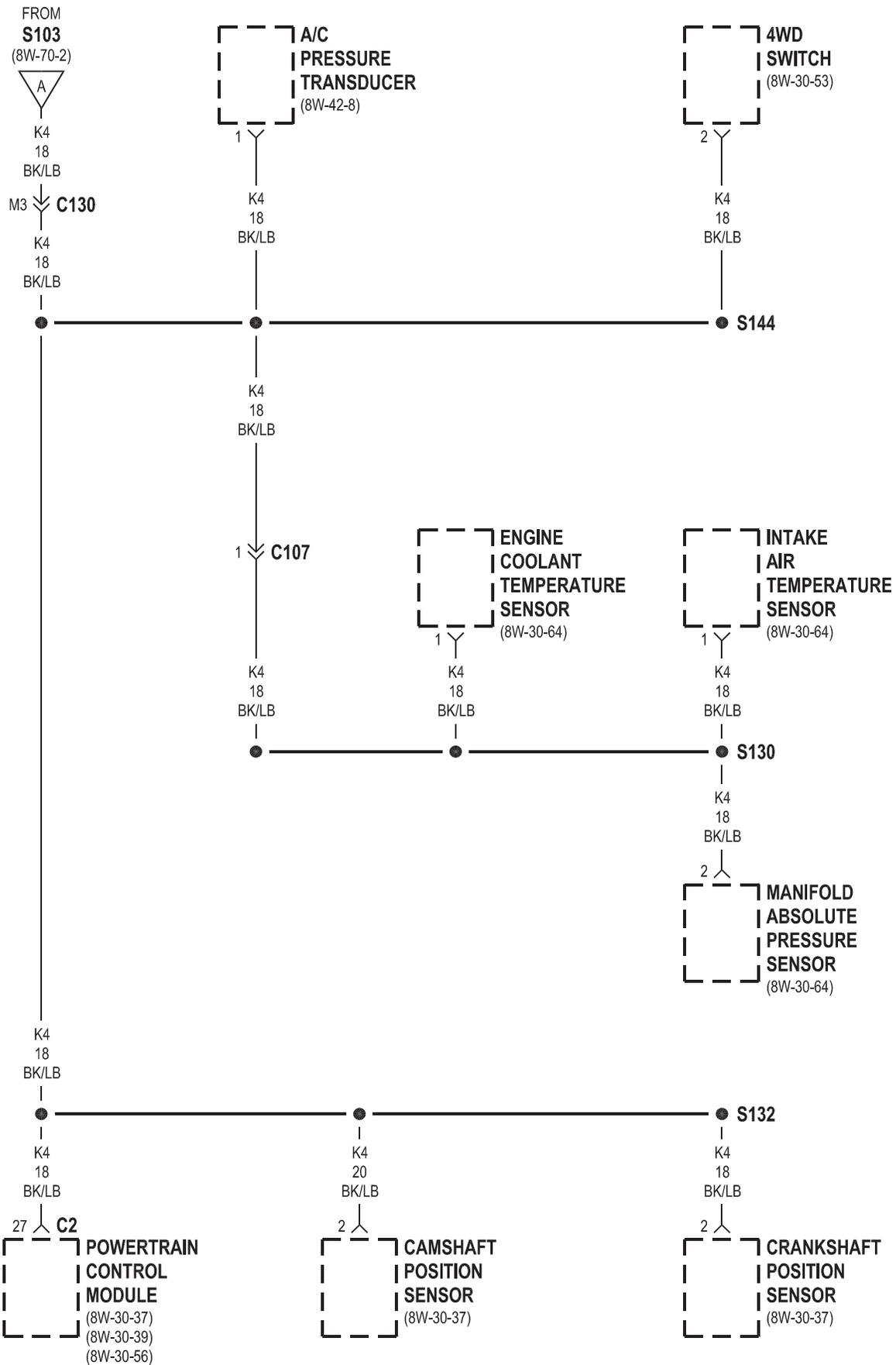


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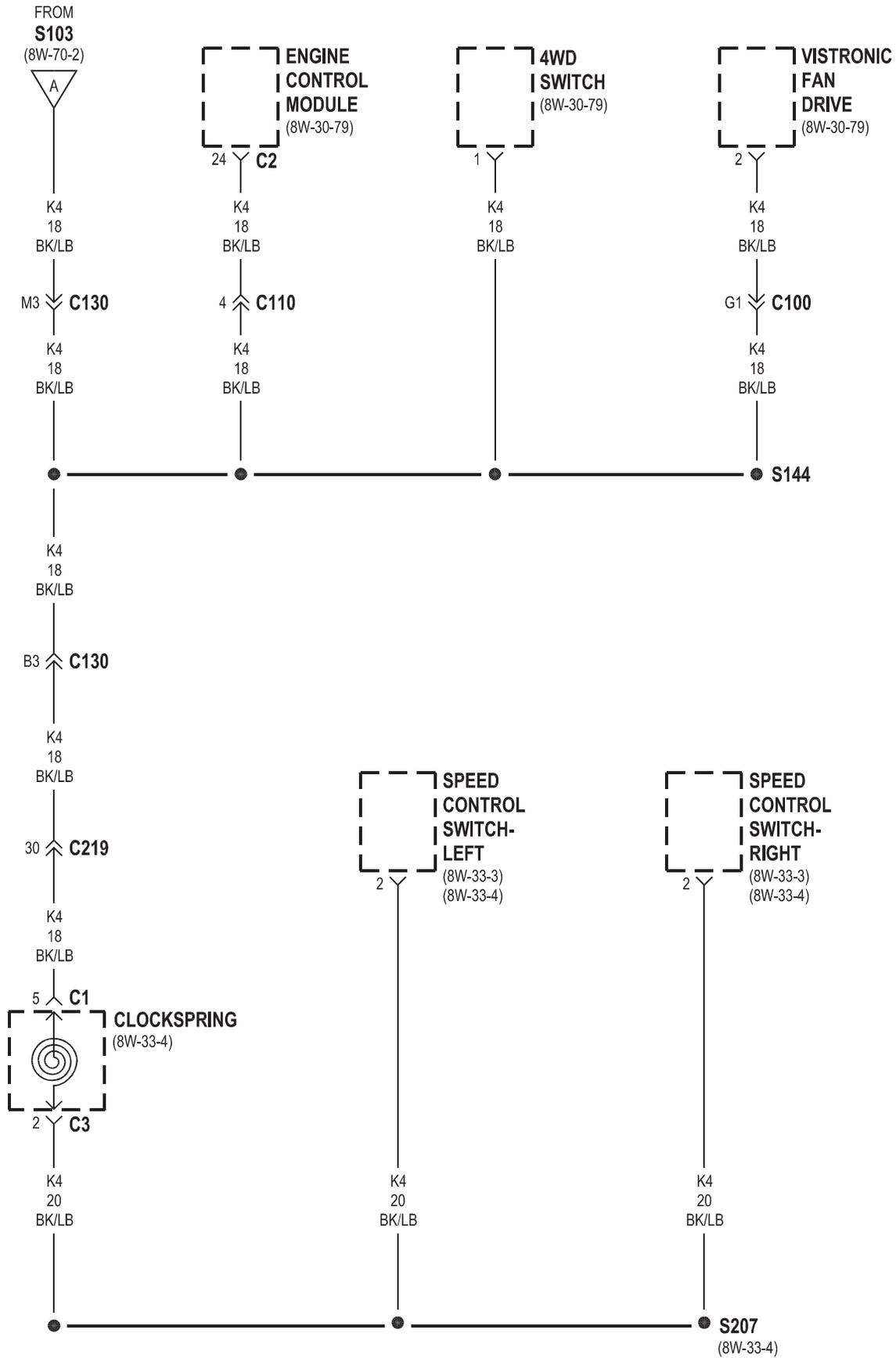
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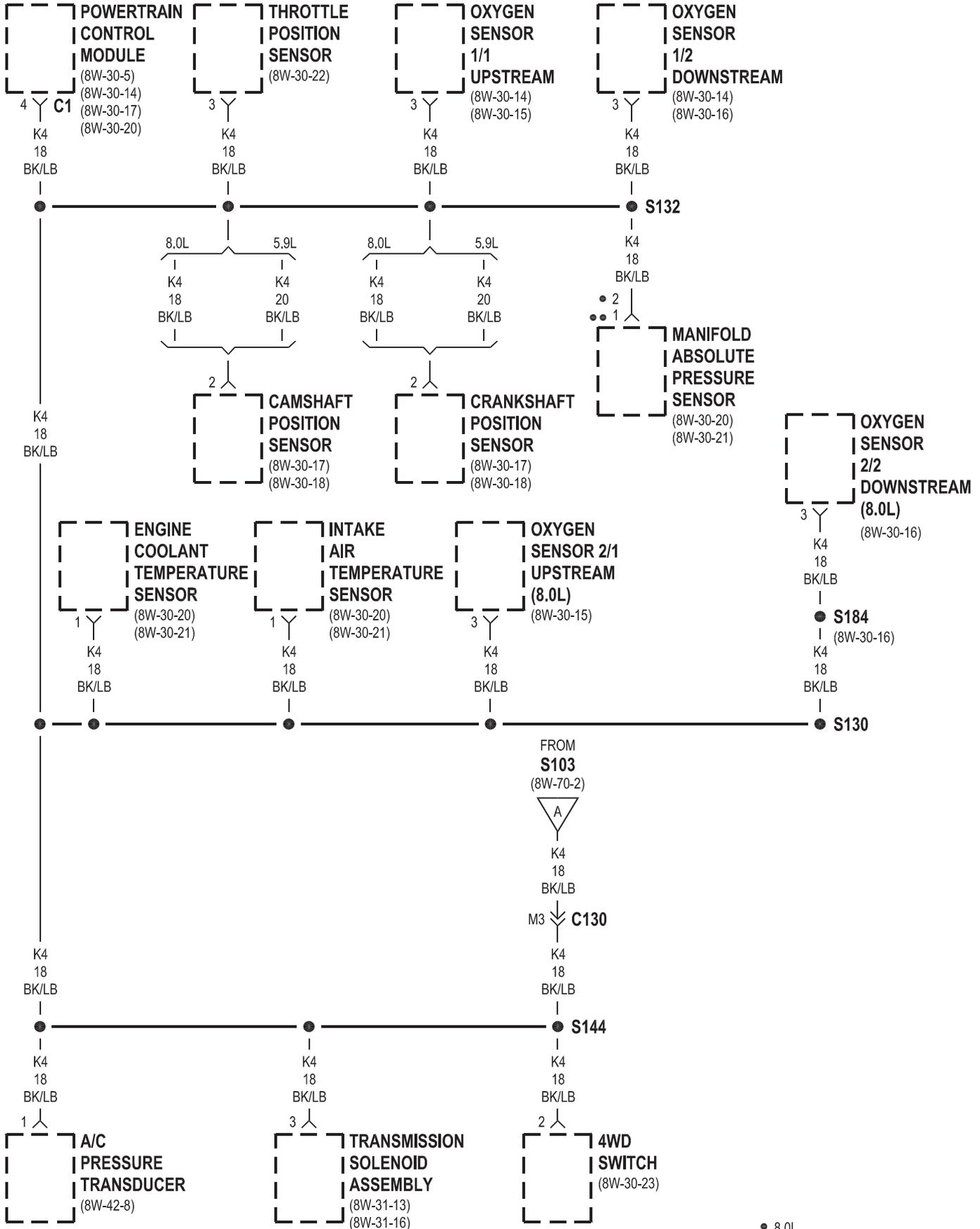


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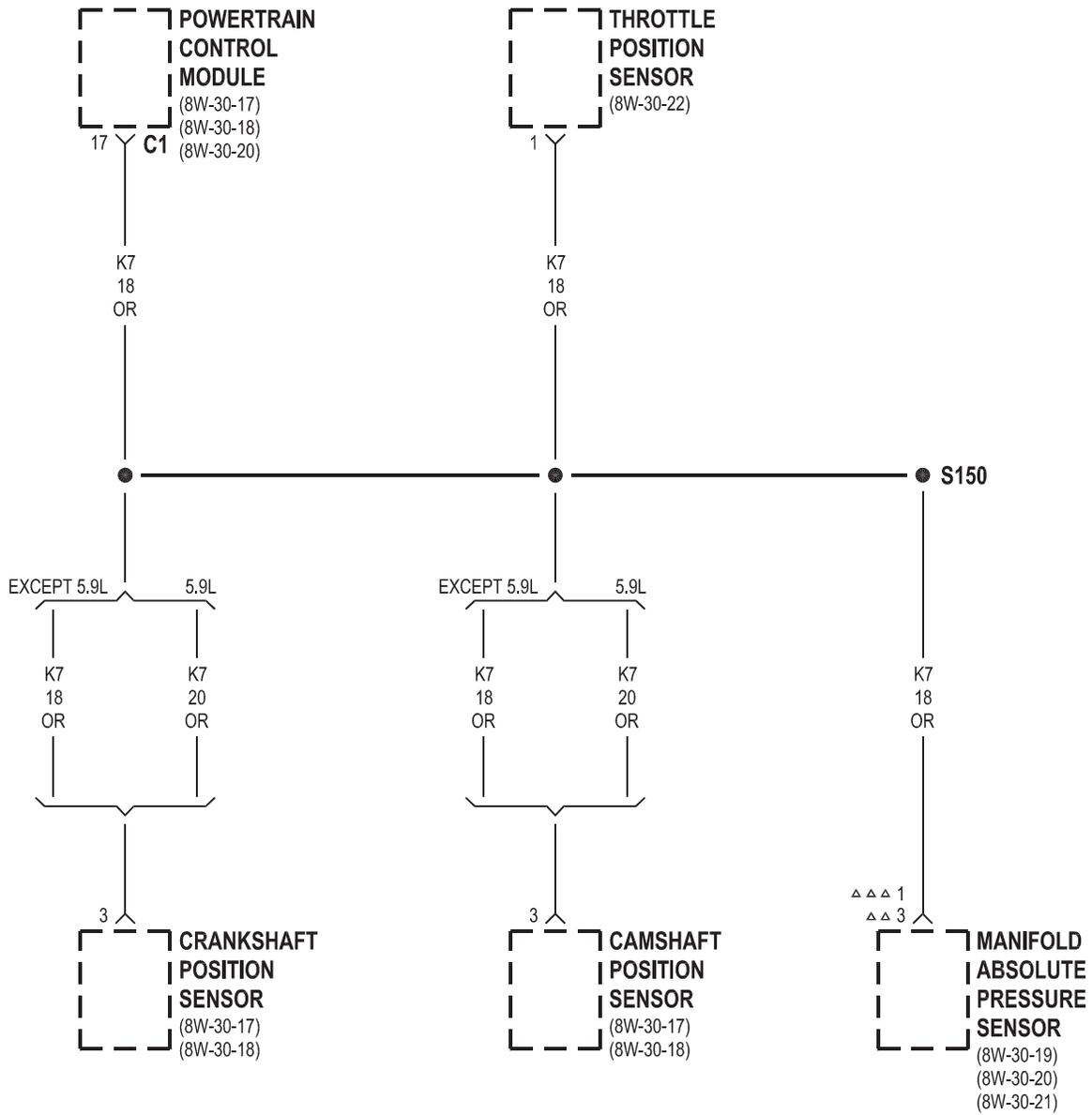


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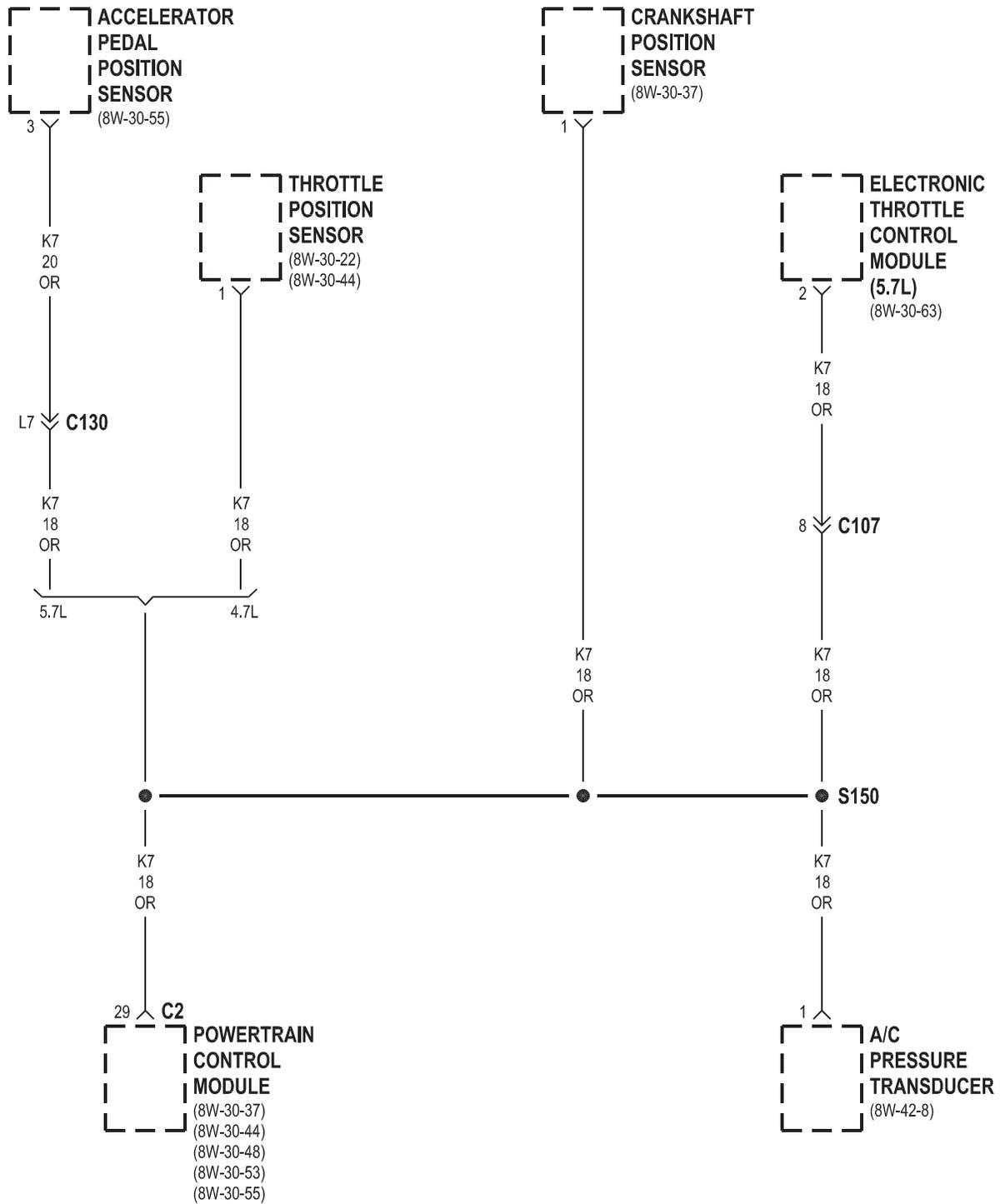


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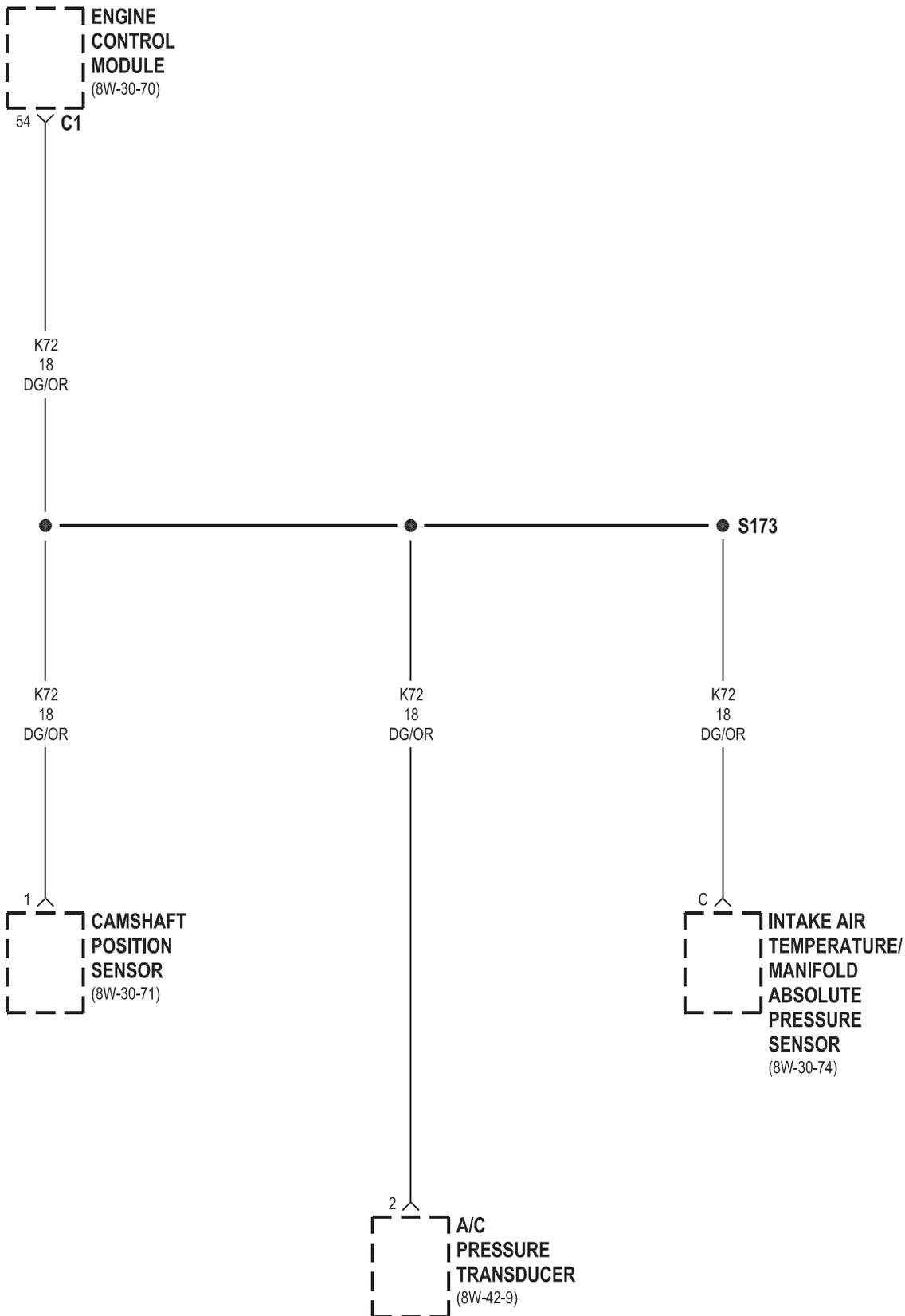


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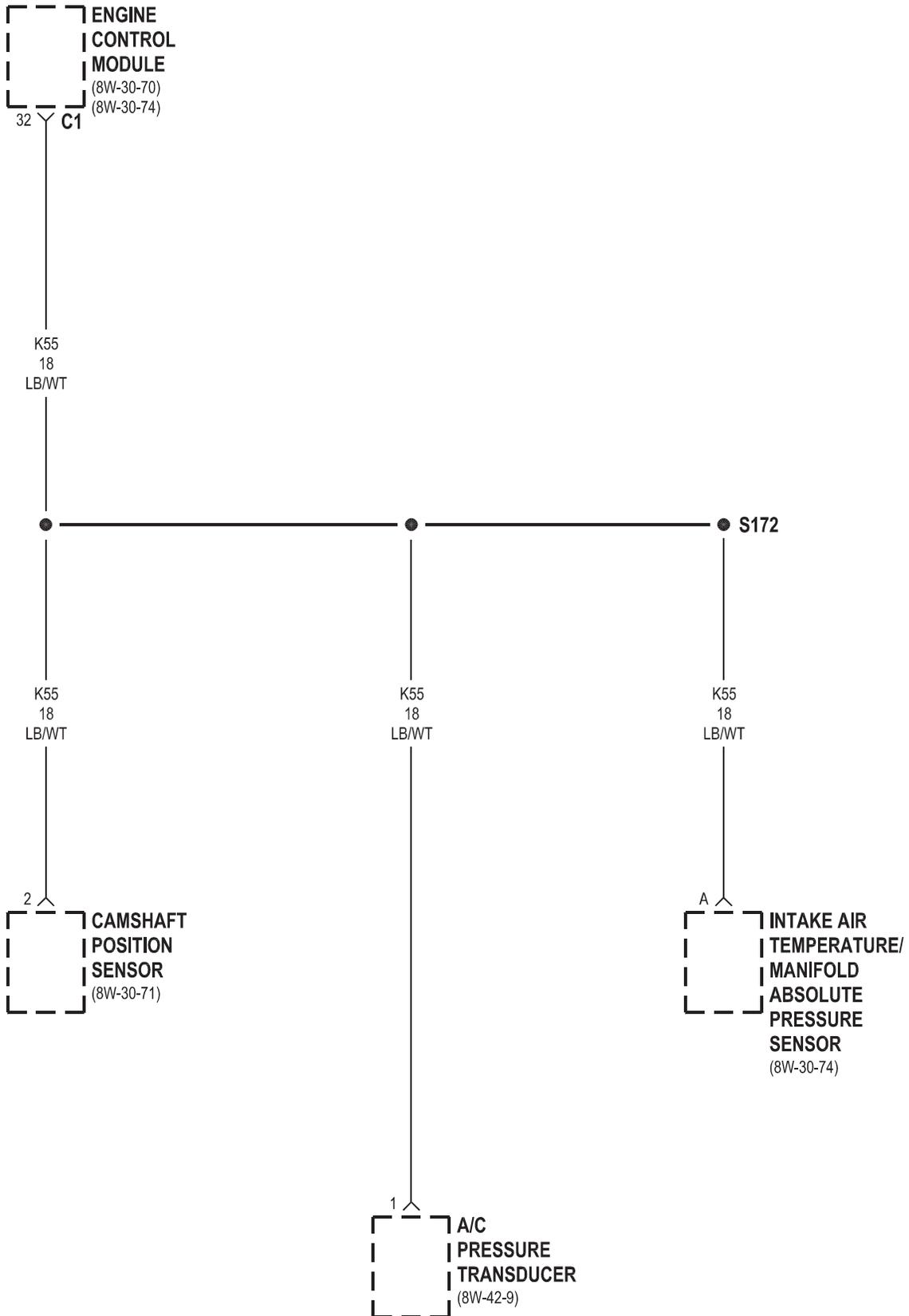
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## 8W-80 CONNECTOR PIN-OUTS

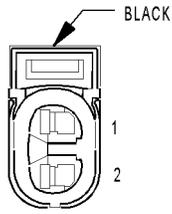
<b>Component</b>	<b>Page</b>	<b>Component</b>	<b>Page</b>
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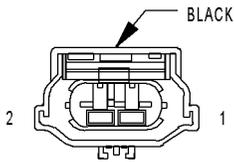
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4WD SWITCH  
(MANUAL TRANSFER CASE)

4WD SWITCH (MANUAL TRANSFER CASE) - BLACK 2 WAY

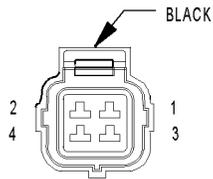
CAV	CIRCUIT	FUNCTION
1	K77 18BR/WT	4WD SWITCH SENSE
2	K4 18BK/LB	SENSOR GROUND



A/C COMPRESSOR CLUTCH

A/C COMPRESSOR CLUTCH - BLACK 2 WAY

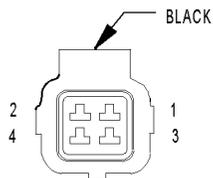
CAV	CIRCUIT	FUNCTION
1	C3 20DB/BK	A/C CLUTCH RELAY OUTPUT
2	Z359 18BK/BR	GROUND



A/C PRESSURE TRANSDUCER

A/C PRESSURE TRANSDUCER - BLACK 4 WAY

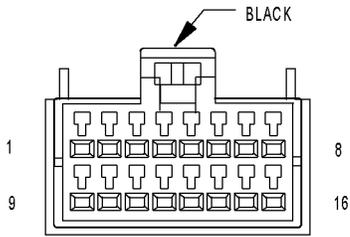
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K6 18VT/WT (EXCEPT NGC)	5 VOLT SUPPLY
2	K7 18OR (NGC)	5-VOLT SUPPLY
3	C18 18DB	A/C PRESSURE SIGNAL
4	-	-



A/C PRESSURE TRANSDUCER (DIESEL)

A/C PRESSURE TRANSDUCER (DIESEL) - 4 WAY

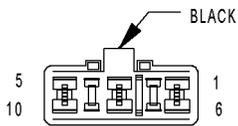
CAV	CIRCUIT	FUNCTION
1	K55 18LB/WT	MASS AIR FLOW SENSOR SIGNAL
2	K72 18DG/OR	5 VOLTS SUPPLY
3	C18 18DB	A/C PRESSURE SIGNAL
4	-	-



A/C-  
HEATER  
CONTROL  
C1

A/C-HEATER CONTROL C1 - BLACK 16 WAY

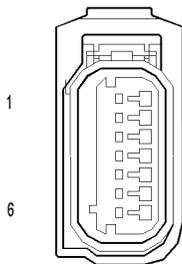
CAV	CIRCUIT	FUNCTION
1	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN)
2	Z120 20WT/BK	GROUND
3	C57 20DB/GY	SENSOR GROUND
4	C33 20DB/RD	MODE DOOR 2 DRIVER
5	-	-
6	C12 20LG/BK	EVAPORATOR TEMPERATURE SENSOR SIGNAL
7	-	-
8	Y165 20OR/YL	PANEL LAMPS DRIVER
9	C62 20DB/PK	BLEND DOOR DRIVER
10	C35 20DG/YL	MODE DOOR 1 DRIVER
11	C34 20DB/WT	COMMON DOOR DRIVER
12	C32 20GY/DB	RECIRCULATION DOOR DRIVER
13	C46 20YL/LG	PASSENGER BLEND DOOR DRIVER
14	-	-
15	C16 20LB/YL	HEATED MIRROR RELAY CONTROL
16	D25 20VT/LG	PCI BUS



A/C-  
HEATER  
CONTROL  
C2

A/C-HEATER CONTROL C2 - BLACK 10 WAY

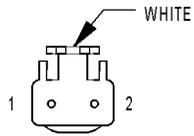
CAV	CIRCUIT	FUNCTION
1	-	-
2	C4 16TN	BLOWER MOTOR LOW DRIVER
3	C6 14LB	BLOWER MOTOR M2 DRIVER
4	-	-
5	Z37 10BK/DB	GROUND
6	-	-
7	C5 16LG	BLOWER MOTOR M1 DRIVER
8	-	-
9	-	-
10	C7 10BK/TN	BLOWER MOTOR HIGH DRIVER



ACCELERATOR  
PEDAL  
POSITION  
SENSOR  
(5.7L/DIESEL M/T  
NORMAL BUILD)

ACCELERATOR PEDAL POSITION SENSOR (5.7L/DIESEL M/T NORMAL BUILD) - 6 WAY

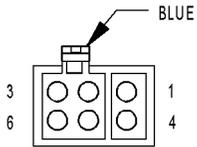
CAV	CIRCUIT	FUNCTION
1	K81 20DB/DG	APPS NO. 2 SIGNAL
2	K6 20VT/WT	5-VOLT SUPPLY
3	K7 20OR	5-VOLT SUPPLY
4	K981 20BR/DG	APPS NO. 2 RETURN
5	K255 20WT/DG	APPS NO. 1 SIGNAL
6	K223 20PK/DB	APPS NO. 1 RETURN



ADJUSTABLE  
PEDAL MOTOR

ADJUSTABLE PEDAL MOTOR - WHITE 2 WAY

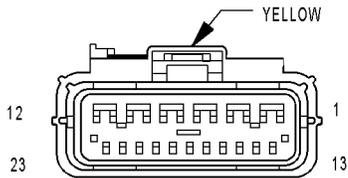
CAV	CIRCUIT	FUNCTION
1	Y151 18LG/BR	ADJUSTABLE PEDAL MOTOR (DOWN)
2	Y152 18LG/OR	ADJUSTABLE PEDAL MOTOR (UP)



ADJUSTABLE  
PEDAL  
SWITCH

ADJUSTABLE PEDAL SWITCH - BLUE 6 WAY

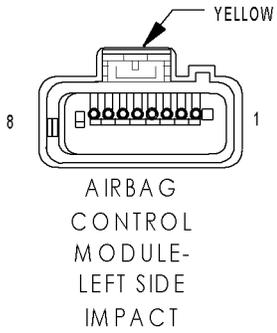
CAV	CIRCUIT	FUNCTION
1	Y151 18LG/BR	ADJUSTABLE PEDAL MOTOR (DOWN)
2	Y153 18DB/RD	ADJUSTABLE PEDAL RELAY OUTPUT
3	-	-
4	Z154 18BK/BR	GROUND
5	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN)
6	Y152 18LG/OR	ADJUSTABLE PEDAL MOTOR (UP)



AIRBAG  
CONTROL  
MODULE

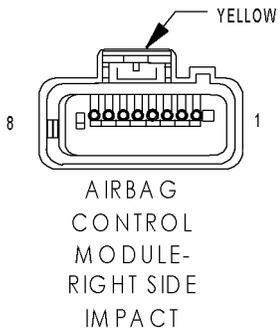
AIRBAG CONTROL MODULE - YELLOW 23 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	Z6 18BK/PK	GROUND
5	R45 18DG/LB	DRIVER SQUIB 1 LINE 2
6	R43 18BK/LB	DRIVER SQUIB 1 LINE 1
7	R42 18BK/YL	PASSENGER SQUIB 1 LINE 1
8	R44 18DG/YL	PASSENGER SQUIB 1 LINE 2
9	R53 18LG/YL	RIGHT SEAT BELT TENSIONER LINE 2
10	R55 18LG/DG	RIGHT SEAT BELT TENSIONER LINE 1
11	R56 18LB/DG	LEFT SEAT BELT TENSIONER LINE 1
12	R54 18LB/YL	LEFT SEAT BELT TENSIONER LINE 2
13	-	-
14	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
15	F23 18DB/YL	FUSED IGNITION SWITCH OUTPUT (RUN)
16	-	-
17	-	-
18	-	-
19	R4 18BR/YL	PASSENGER AIRBAG MUX SWITCH RETURN
20	R5 18VT/YL	PASSENGER AIRBAG MUX SWITCH SENSE
21	D25 20VT/DG	PCI BUS
22	R166 18LG/TN	PASSENGER AIRBAG INDICATOR DRIVER
23	-	-



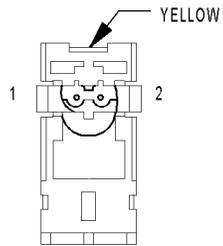
AIRBAG CONTROL MODULE-LEFT SIDE IMPACT - YELLOW 8 WAY

CAV	CIRCUIT	FUNCTION
1	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	Z11 18BK/WT	GROUND
3	R77 18LB/BR	LEFT CURTAIN SQUIB 1 LINE 2
4	R75 18LB/OR	LEFT CURTAIN SQUIB 1 LINE 1
5	Z11 18BK/WT	GROUND
6	-	-
7	-	-
8	D25 20DB/VT	PCI BUS



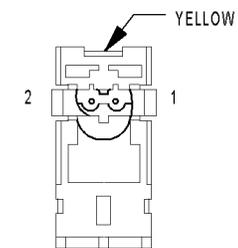
AIRBAG CONTROL MODULE-RIGHT SIDE IMPACT - YELLOW 8 WAY

CAV	CIRCUIT	FUNCTION
1	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	-	-
3	R76 18LB/WT	RIGHT CURTAIN SQUIB 1 LINE 2
4	R74 18LB/YL	RIGHT CURTAIN SQUIB 1 LINE 1
5	Z29 18BK/PK	GROUND
6	-	-
7	-	-
8	D25 20DB/VT	PCI BUS



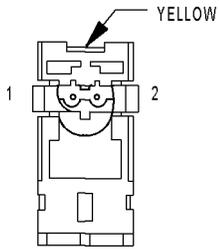
AIRBAG-DRIVER SQUIB 1 - YELLOW 2 WAY

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



AIRBAG-LEFT CURTAIN SQUIB - YELLOW 2 WAY

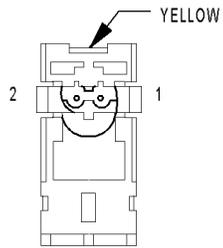
CAV	CIRCUIT	FUNCTION
1	R75 18LB/OR	LEFT CURTAIN SQUIB 1 LINE 1
2	R77 18LB/BR	LEFT CURTAIN SQUIB 1 LINE 2



AIRBAG - PASSENGER SQUIB 1

AIRBAG-PASSENGER SQUIB 1 - YELLOW 2 WAY

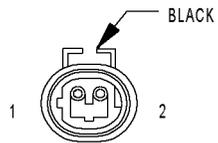
CAV	CIRCUIT	FUNCTION
1	R42 18BK/YL	PASSENGER SQUIB 1 LINE 1
2	R44 18DG/YL	PASSENGER SQUIB 1 LINE 2



AIRBAG-RIGHT CURTAIN SQUIB

AIRBAG-RIGHT CURTAIN SQUIB - YELLOW 2 WAY

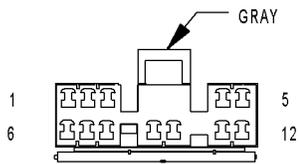
CAV	CIRCUIT	FUNCTION
1	R74 18LB/YL	RIGHT CURTAIN SQUIB 1LINE 1
2	R76 18LB/WT	RIGHT CURTAIN SQUIB 1 LINE 2



AMBIENT TEMPERATURE SENSOR

AMBIENT TEMPERATURE SENSOR - 2 WAY

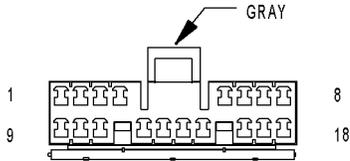
CAV	CIRCUIT	FUNCTION
1	G31 20VT/LG (NGC)	AAT SIGNAL
1	G31 20VT/LG	AMBIENT TEMPERATURE SENSOR SIGNAL
2	Y137 20VT/LB	SENSOR GROUND
2	K4 20VT/LB (NGC)	SENSOR GROUND



AMPLIFIER AUDIO C1

AMPLIFIER AUDIO C1 - GRAY 12 WAY

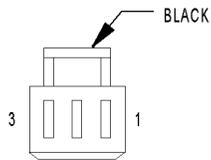
CAV	CIRCUIT	FUNCTION
1	X53 20DG	LEFT FRONT SPEAKER (+)
2	X55 20BR/RD	LEFT FRONT SPEAKER (-)
3	X57 20BR/LB	LEFT REAR SPEAKER (-)
4	Z115 18DB/BK	GROUND
5	X60 20DG/RD	RADIO 12 VOLT OUTPUT
6	X56 20DB/RD	RIGHT FRONT SPEAKER (-)
7	X54 20VT	RIGHT FRONT SPEAKER (+)
8	X51 20BR/YL	LEFT REAR SPEAKER (+)
9	X58 20DB/OR	RIGHT REAR SPEAKER (-)
10	X52 20DB/WT	RIGHT REAR SPEAKER (+)
11	Z126 18BK/DB	GROUND
12	D25 20VT/GY	PCI BUS



AMPLIFIER  
AUDIO C2

AMPLIFIER AUDIO C2 - GRAY 18 WAY

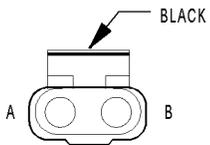
CAV	CIRCUIT	FUNCTION
1	F75 18VT	FUSED B(+)
2	-	-
3	-	-
4	X91 18WT/BK	LEFT REAR SPEAKER (-)
5	X82 18LB/VT	RIGHT FRONT DOOR SPEAKER (+)
6	X87 18LG/RD	LEFT FRONT DOOR SPEAKER (+)
7	X84 18OR/BK	RIGHT INSTRUMENT PANEL SPEAKER (+)
8	X83 18YL/RD	LEFT INSTRUMENT PANEL SPEAKER (-)
9	F75 18VT	FUSED B(+)
10	-	-
11	-	-
12	X93 18WT/RD	LEFT REAR SPEAKER (+)
13	X92 18TN/BK	RIGHT REAR SPEAKER (-)
14	X94 18TN/VT	RIGHT REAR SPEAKER (+)
15	X80 18LB/BK	RIGHT FRONT DOOR SPEAKER (-)
16	X85 18LG/DG	LEFT FRONT DOOR SPEAKER (-)
17	X86 18OR/RD	RIGHT INSTRUMENT PANEL SPEAKER (-)
18	X81 18YL/BK	LEFT INSTRUMENT PANEL SPEAKER (+)



AUTOMATIC  
DAY/NIGHT  
MIRROR  
(EXCEPT BASE)

AUTOMATIC DAY/NIGHT MIRROR (EXCEPT BASE) - BLACK 3 WAY

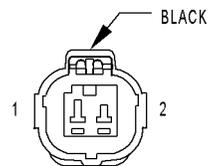
CAV	CIRCUIT	FUNCTION
1	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	Z104 20BK/OR	GROUND
3	L1 20VT/BK	BACK-UP LAMP FEED



BACKUP  
LAMP  
SWITCH  
(3.7L/4.7L/5.7L/8.0L)

BACKUP LAMP SWITCH (3.7L/4.7L/5.7L/8.0L) - BLACK 2 WAY

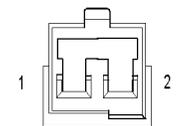
CAV	CIRCUIT	FUNCTION
1	L1 18VT/BK	BACK-UP LAMP FEED
2	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)



BATTERY TEMPERATURE SENSOR

BATTERY TEMPERATURE SENSOR - BLACK 2 WAY

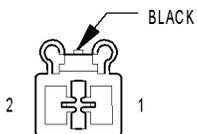
CAV	CIRCUIT	FUNCTION
1	K118 18PK/YL	BATT TEMP SIGNAL
2	K4 18BK/LB	SENSOR GROUND



BLEND DOOR ACTUATOR (SINGLE-ZONE)

BLEND DOOR ACTUATOR (SINGLE-ZONE) - 2 WAY

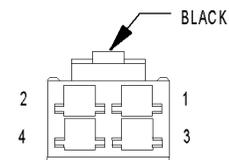
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C62 20DB/PK	BLEND DOOR DRIVER



BLOWER MOTOR

BLOWER MOTOR - 2 WAY

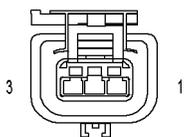
CAV	CIRCUIT	FUNCTION
1	C7 10BK/TN	BLOWER MOTOR HIGH DRIVER
2	C1 10DG	BLOWER MOTOR FEED



BLOWER MOTOR RESISTOR BLOCK

BLOWER MOTOR RESISTOR BLOCK - BLACK 4 WAY

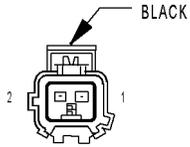
CAV	CIRCUIT	FUNCTION
1	C5 16LG	BLOWER MOTOR M1 DRIVER
2	C7 12BK/TN	BLOWER MOTOR HIGH DRIVER
3	C4 16TN	BLOWER MOTOR LOW DRIVER
4	C6 14LB	BLOWER MOTOR M2 DRIVER



BOOST PRESSURE SENSOR (DIESEL)

BOOST PRESSURE SENSOR (DIESEL) - 3 WAY

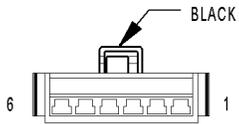
CAV	CIRCUIT	FUNCTION
1	K72 18DG/OR	5 VOLTS SUPPLY
2	K9 18LB	FUEL PRESSURE SENSOR 5 VOLT SUPPLY
3	K55 18LB/WT	MASS AIR FLOW SENSOR SIGNAL



BRAKE FLUID LEVEL SWITCH

BRAKE FLUID LEVEL SWITCH - BLACK 2 WAY

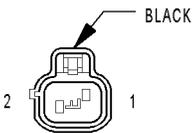
CAV	CIRCUIT	FUNCTION
1	G9 20GY/BK	BRAKE FLUID LEVEL SWITCH SENSE
2	Z231 20BK/DG	GROUND



BRAKE LAMP SWITCH

BRAKE LAMP SWITCH - BLACK 6 WAY

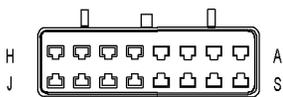
CAV	CIRCUIT	FUNCTION
1	A108 18TN/RD	FUSED B(+)
2	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
3	V30 20DB/RD	SPEED CONTROL BRAKE SWITCH OUTPUT
3	V30 20DB/RD (NGC)	FUSED IGNITION SWITCH (RUN-START)
4	V32 20YL/RD	SPEED CONTROL SUPPLY
4	V32 20YL/RD (5.7L)	BRAKE SWITCH NO. 2 SIGNAL
5	Z241 20BK/VT	GROUND
6	K29 20WT/PK	BRAKE SWITCH SENSE
6	K29 20WT/PK (NGC)	BRAKE SWITCH NO. 1 SIGNAL



BRAKE TRANSMISSION SHIFT INTERLOCK SOLENOID

BRAKE TRANSMISSION SHIFT INTERLOCK SOLENOID - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	Y204 18OR/WT	BTSI SOLENOID CONTROL
2	Z123 18BK/OR	GROUND



C100 (DIESEL)

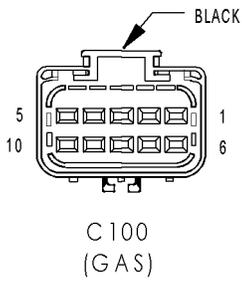
C100 (DIESEL) - (DASH TO ENGINE)

CAV	CIRCUIT
A	K152 28WT
B	B6 20WT/DB
C	B7 20WT
D	Z11 18BK/WT
E	-
F	Y1 18LG
G	K4 18BK/LB
H	Y169 18WT/TN
J	Y168 18WT/LB
K	Y3 18WT
L	L60 18LG/TN
M	L7 18BK/YL
N	F15 20DB
P	Y5 18OR
R	-
S	K154 18GY

PICTURE  
NOT  
AVAILABLE

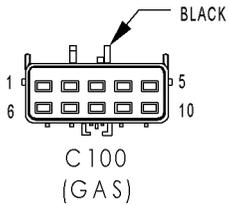
C100 (DIESEL) - (ENGINE TO DASH)

CAV	CIRCUIT
1	K152 18WT
2	B6 20WT/DB
3	B7 20WT
4	Z11 18BK/WT
5	-
6	Y1 18LG
7	K4 18BK/LB
8	Y169 18WT/TN
9	Y168 18WT/LB
10	Y3 18WT
11	L60 18LG/TN
12	L7 18BK/YL
13	F15 20DB
14	Y5 18OR
15	-
16	K154 18GY



C100 (GAS) - BLACK (DASH TO ENGINE)

CAV	CIRCUIT
1	V10 20BR (EXCEPT 8.0L)
2	B6 20WT/DB
3	B7 20WT
4	G29 20BK/TN (EXCEPT 8.0L)
5	Y137 20VT/LB (EXCEPT 8.0L)
6	Y169 18WT/TN
7	Y168 18WT/LB
8	L60 18LG/TN
9	L7 18BK/YL
10	-



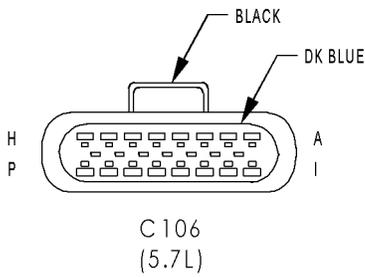
C100 (GAS) - BLACK (ENGINE TO DASH)

CAV	CIRCUIT
1	V10 20BR (EXCEPT 8.0L)
2	B6 20WT/DB
3	B7 20WT
4	G29 20BK/TN (EXCEPT 8.0L)
5	Y137 20VT/LB (EXCEPT 8.0L)
6	Y169 18WT/TN
7	Y168 18WT/LB
8	L60 18LG/TN
9	L7 18BK/YL
10	-

PICTURE  
NOT  
AVAILABLE

C106 (5.7L) - BLACK

CAV	CIRCUIT
A	K11 18WT/DB
B	K12 18TN
C	K13 18YL/WT
D	K14 18LB/BR
E	K38 18GY
F	K58 18BR/DB
G	K26 18VT/TN
H	K28 18GY/LB
I	K91 18TN/RD
J	K92 18TN/PK
K	K93 18TN/OR
L	K94 18TN/LG
M	K95 18TN/DG
N	K96 18TN/LB
O	K97 18BR
P	K98 18LB



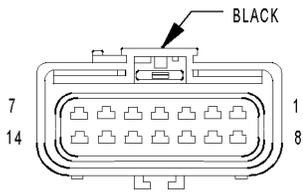
C106 (5.7L) - BLACK (ENGINE TO TRANSMISSION)

CAV	CIRCUIT
A	K11 18WT/DB
B	K12 18TN
C	K13 18YL/WT
D	K14 18LB/BR
E	K38 18GY
F	K58 18BR/DB
G	K26 18VT/TN
H	K28 18GY/LB
I	K91 18TN/RD
J	K92 18TN/PK
K	K93 18TN/OR
L	K94 18TN/LG
M	K95 18TN/DG
N	K96 18TN/LB
O	K97 18BR
P	K98 18LB/RD

PICTURE  
NOT  
AVAILABLE

C107 (5.7L) - BLACK

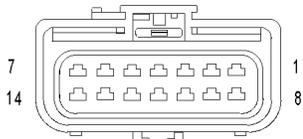
CAV	CIRCUIT
1	K4 18BK/LB
2	K1 18DG/RD
3	K21 18BK/RD
4	K101 18WT
5	K6 18VT/WT
6	K888 18BR/PK
7	A142 16DG/OR
8	K7 18OR
9	K2 18TN/BK
10	K122 18DB/GY
11	K22 18OR/DB
12	-
13	F855 18OR/PK
14	A142 16DG/OR



C 107  
(5.7L)

C107 (5.7L) - BLACK (ENGINE TO TRANSMISSION)

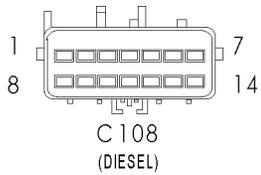
CAV	CIRCUIT
1	K4 18BK/LB
2	K1 18DG/RD
3	K21 18BK/RD
4	K101 18WT
5	K6 18VT/WT
6	K888 18BR/PK
7	A142 16DG/OR
8	K7 18OR
9	K2 18TN/BK
10	K122 18DB/GY
11	K22 18OR/DB
12	-
13	F855 18OR/PK
14	A142 16DG/OR



C 108  
(DIESEL)

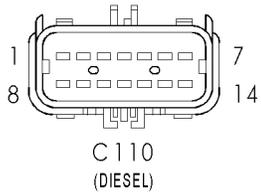
C108 (DIESEL)

CAV	CIRCUIT
1	G7 18WT/OR
2	C13 18DB/OR
3	A93 14RD/BK
4	K118 18PK/YL
5	G8 18LB/BK
6	D25 18VT/YL
7	K77 18BR/WT
8	V32 18YL/WT
9	K152 18WT
10	K22 18OR/DB
11	K154 18GY
12	-
13	-
14	-



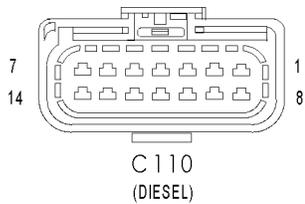
C108 (DIESEL) - (ENGINE TO TRANSMISSION)

CAV	CIRCUIT
1	G7 18WT/OR
2	C13 18DB/OR
3	A53 14RD/BK
4	K118 18PK/YL
5	G8 18LB/BK
6	D25 18VT/YL
7	K77 18BR/WT
8	V32 18YL/RD
9	K152 18WT
10	K22 18OR/DB
11	K154 18GY
12	-
13	-
14	-



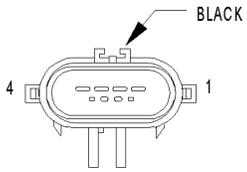
C110 (DIESEL)

CAV	CIRCUIT
1	C3 18DB/BK
2	K29 18WT/PK
3	K4 18BK/LB
4	V37 18RD/LG
5	V37 18RD/LG
6	Y1 18LG
7	Y5 18OR
8	Y3 18WT
9	D20 18LG
10	D21 18PK
11	Y135 18LG/BK
12	-
13	-
14	-



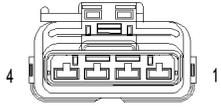
C110 (DIESEL) - (ENGINE TO TRANSMISSION)

CAV	CIRCUIT
1	C3 18DB/BK
2	K29 18WT/PK
3	K24 18WT/DG
4	K4 18BK/LB
5	V37 18RD/LG
6	Y1 18LG
7	Y5 18OR
8	Y3 18WT
9	D20 18LG
10	D21 18PK
11	Y135 18LG/BK
12	-
13	-
14	-



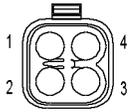
C112  
(DIESEL)

C112 (DIESEL)	
CAV	CIRCUIT
1	C3 18DB/BK
2	A93 14RD/BK
3	Y523 18VT/WT
4	T503 18GY/BR



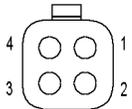
C112  
(DIESEL)

C112 (DIESEL)	
CAV	CIRCUIT
1	C3 18DB/BK
2	A93 14RD/BK
3	K69 18BR/LB
4	K68 18BR/LG



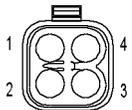
C115  
(DIESEL)

C115 (DIESEL)	
CAV	CIRCUIT
1	K91 14TN/RD
2	K12 14YL/WT
3	K91 14TN/RD
4	K11 14WT/DB



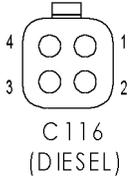
C115  
(DIESEL)

C115 (DIESEL) - (INJECTOR SIDE)	
CAV	CIRCUIT
1	K91 14TN/RD
2	K12 14YL/WT
3	K91 14TN/RD
4	K11 14WT/DB



C116  
(DIESEL)

C116 (DIESEL)	
CAV	CIRCUIT
1	K92 14TN/PK
2	K14 14RD/WT
3	K91 14TN/RD
4	K13 14TN



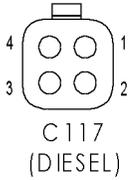
C116 (DIESEL) - (INJECTOR SIDE)

CAV	CIRCUIT
1	K92 14TN/PK
2	K14 14RD/WT
3	K91 14TN/RD
4	K13 14TN



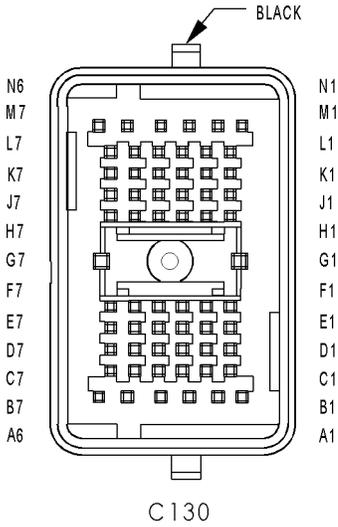
C117 (DIESEL)

CAV	CIRCUIT
1	K92 14TN/PK
2	K58 14BR/DB
3	K92 14TN/PK
4	K38 14GY



C117 (DIESEL) - (INJECTOR SIDE)

CAV	CIRCUIT
1	K92 14TN/PK
2	K58 14BR/DB
3	K92 14TN/PK
4	K38 14GY

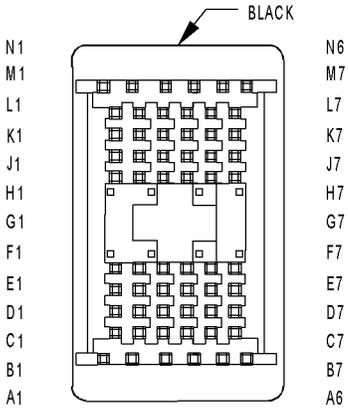


C130 - BLACK (DASH TO ENGINE)

CAV	CIRCUIT
A1	A41 16YL (EXCEPT DIESEL/EXCEPT 8.0L)
A2	A93 12RD/BK (DIESEL)
A3	K108 18WT/TN (NGC)
A4	-
A5	-
A6	-
B1	V35 20LG/RD (EXCEPT 5.7L/EXCEPT 8.0L)
B2	V32 20YL/RD
B3	K51 20DB/YL (EXCEPT DIESEL)
B3	K914 20VT/BR (DIESEL)
B4	Y169 18WT/TN
B5	B6 20WT/DB (ABS)
B6	K118 18PK/YL
B7	L1 18VT/BK
C1	A14 20RD/WT
C2	L7 18BK/YL
C3	D25 20VT/OR (DIESEL/5.7L)
C4	T6 20OR/WT
C5	K6 20VT/WT (5.7L)
C6	K127 18DB/OR (8.0L/3.7L/5.9L)
C6	V38 20VT/OR (5.7L)
C7	G29 20/BK/TN (EXCEPT DIESEL/EXCEPT 8.0L)
C7	F15 20DB (DIESEL)
D1	B7 20WT (ABS)
D2	D15 18WT/DG (EXCEPT 8.0L)
D3	K29 20WT/PK
D4	L10 18BR/LG
D5	L60 18LG/TN
D6	Y168 18WT/LB
D7	V10 20BR (EXCEPT DIESEL/8.0L)
E1	Y116 20YL/GY (ETC)

C130 - BLACK (DASH TO ENGINE)

CAV	CIRCUIT
E2	Y112 20YL/BR (ETC)
E3	Y113 20 YL/OR (ETC)
E4	Y114 20YL/VT (ETC)
E5	Y117 20YL/DB (ETC)
E6	Y145 20DB/YL (EXCEPT DIESEL)
E7	B222 20DG/WT (EXCEPT ABS)
F1	T24 20BR/YL (DIESEL/8.0L)
F1	T752 18DG/OR (EXCEPT DIESEL/EXCEPT 8.0L)
F2	D6 18PK/LB
F6	-
F7	-
G1	-
G2	-
H1	Y215 18YL/PK (5.7L)
H2	-
H6	-
H7	K81 20DB/DG (5.7L)
J1	Y115 20YL/WT (ETC)
J2	G7 20WT/OR (EXCEPT 5.7L)
J2	B22 20DG/YL (5.7L)
J3	K52 18PK/BK (EXCEPT DIESEL)
J4	K31 20BR
J5	Y135 18LG/BK
J6	K30 18PK
J7	A141 18DG/WT (EXCEPT 5.7L/EXCEPT 4.7L)
J7	K255 20WT/DG (5.7L)
K1	V36 20TN/RD (EXCEPT 5.7L)
K2	C13 20DB/OR
K3	Y193 20YL/RD (3.7/5.9L/8.0L)
K4	Y128 20DG/GY (3.7L/5.9L/8.0L)
K5	A42 18DG (8.0L/3.7L/5.9L)
K5	K981 20BR/DG (5.7L)
K6	K173 18LG (EXCEPT DIESEL)
K7	Y137 20VT/LB (EXCEPT 8.0L/EXCEPT DIESEL)
L1	K223 20PK/DB (5.7L)
L2	G115 20YL/WT (DIESEL)
L2	T24 20BR/YL (NGC)
L3	-
L4	-
L5	-
L6	G31 20VT/LG (NGC)
L7	K7 20OR (5.7L)
M1	D20 20LG
M2	D25 20VT/BR (EXCEPT DIESEL)
M3	K4 18BK/LB
M4	D21 20PK
M5	C3 20DB/BK
M6	V37 20RD/LG
M7	G8 20LB/BK
N1	A61 16DG/BK (3.7L/5.7L/5.9L)
N2	T16 16RD
N3	A142 16DG/OR (GAS)
N4	Y124 16DG/WT (ETC)
N5	Y125 16DG/WT (ETC)
N6	A51 16RD/WT (3.7L/4.7L/5.7L/5.9L)



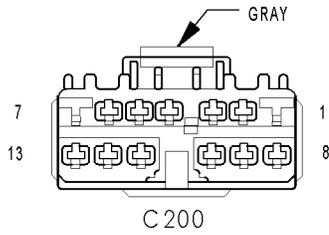
C 130

C130 - BLACK (ENGINE TO DASH)

CAV	CIRCUIT
A1	A41 16YL (4.7L/5.7L/3.7L A/T)
A1	A41 14YL (3.7L M/T)
A2	A93 14RD/BK (DIESEL)
A3	K108 18WT/TN (4.7L/5.7L)
A4	-
A5	-
A6	-
B1	V35 18LG/RD (EXCEPT 5.7L)
B2	V32 18YL/RD (EXCEPT 5.7L)
B2	V32 20YL/RD (5.7L)
B3	K4 18BK/LB (DIESEL)
B3	VT/PK (DIESEL)
B3	K51 20DB/YL
B4	Y169 18WT/TN
B5	B6 20WT/DB
B6	K118 18PK/YL
B7	L1 18VT/BK
C1	A14 20RD/WT (EXCEPT DIESEL)
C2	L7 18BK/YL
C3	D25 20VT/OR (3.7L A/T) (5.7L A/T)
C3	VT/YL (DIESEL)
C4	T6 18OR/WT (A/T EXCEPT 5.7L)
C4	T6 20OR/WT (5.7L A/T)
C5	K6 18VT/WT (5.7L)
C6	V38 20VT/OR (5.7L)
C6	K127 18DB/OR (3.7L/5.9L/8.0L)
C7	G29 18BK/TN (3.7L/4.7L)
C7	F15 20DB (DIESEL)
C7	G29 20BK/TN (5.9L/5.7L)
D1	B7 20WT
D2	D15 18WT/DG (3.7L A/T/4.7L A/T/5.7L A/T/DIESEL)
D3	K29 20WT/PK (5.7L)
D3	K29 18WT/PK (EXCEPT 5.7L)
D4	L10 18BR/LG
D5	L60 18LG/TN
D6	Y168 18WT/LB
D7	V10 20BR (EXCEPT 8.0L/DIESEL)
E1	Y116 20YL/GY (5.7L ETC)
E1	Y116 20YL/GY (5.9L/8.0L)
E2	Y112 20LB/BR (5.9L/8.0L)
E2	Y112 20YL/BR (5.7L ETC/DIESEL)
E3	Y113 20YL/OR (5.7L ETC)
E3	Y113 20YL/OR (5.9L/8.0L ETC)
E4	Y114 20YL/VT (5.9L/8.0L ETC)
E4	Y114 20 YL/VT (5.7L ETC)
E5	Y117 20YL/DB (5.7L ETC)
E5	Y117 20YL/DB (5.9L/8.0L ETC)
E6	Y145 20DB/YL (EXCEPT DIESEL)
E7	B222 20DG/WT (5.7L)
F1	T752 18DG/OR (4.7L/5.7L)
F1	T24 20BR/YL (3.7L A/T) (5.9L A/T) (8.0L A/T)
F2	D6 20PK/LB (3.7L A/T) (4.7L A/T) (5.7L A/T)
F3	-
F4	-
F5	-

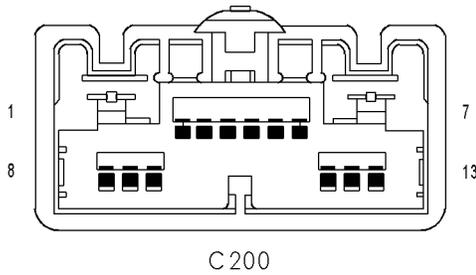
C130 - BLACK (ENGINE TO DASH)

CAV	CIRCUIT
F6	-
F7	-
G1	-
G7	-
H1	Y215 20YL/PK (5.7L)
H2	-
H3	-
H4	-
H6	-
H7	K81 18DB/DG (5.7L)
J1	Y115 20YL/WT (ETC)
J2	B22 20DG/YL (5.7L)
J2	G7 18WT/OR (EXCEPT 5.7L)
J3	K52 18PK/BK (EXCEPT DIESEL)
J4	K31 18BR (EXCEPT DIESEL)
J5	Y135 18LG/BK
J6	K30 18PK (A/T)
J7	K255 18WT/DG (5.7L/DIESEL)
J7	A141 18DG/WT (EXCEPT 5.7L)
K1	V36 18TN/RD (EXCEPT 5.7L)
K2	C13 20DB/OR
K3	Y193 20YL/RD (5.9L/8.0L)
K4	Y128 20DB/GY (5.9L/8.0L)
K5	K981 18BR/DG (5.7L)
K5	A42 18DG (5.9L/8.0L)
K6	K125 18WT/DB (5.9L/8.0L)
K6	Z16 18BK (3.7L A/T) (4.7L A/T) (5.7L A/T)
K7	Y137 20VT/LB (5.7L/5.9L)
K7	Y137 18VT/LB (3.7L/4.7L)
L1	K223 18PK/DB (5.7L)
L2	T24 18BR/YL (NGC)
L3	-
L4	-
L5	-
L6	G31 18VT/LG (NGC)
L7	K7 18OR (5.7L)
M1	D20 20LG (5.7L/DIESEL)
M1	D20 18LG (EXCEPT 5.7L)
M2	D25 20VT/BR (5.7L)
M2	D25 20VT/BK (EXCEPT 5.7L/DIESEL)
M3	K4 18BK/LB
M4	D21 20PK (5.7L)
M4	D21 18PK (EXCEPT 5.7L)
M5	C3 20DB/BK
M6	V37 20RD/LG (5.7L)
M6	V37 18RD/LG (EXCEPT 5.7L)
M7	G8 20LB/BK (5.7L/DIESEL)
N1	A61 16DG/BK (3.7L A/T) (5.7L A/T)
N2	T16 16RD 3.7L/4.7L/5.7L)
N2	T16 16RD (5.9L/8.0L)
N3	A142 16DG/OR (8.0L)
N3	A142 16DG/OR (EXCEPT 8.0L/DIESEL)
N4	Y124 16DG/VT (5.7L/5.9L/8.0L ETC/DIESEL)
N5	Y125 16DG/WT (5.7L/5.9L/8.0L ETC/DIESEL)
N6	A51 16RD/WT (5.7L A/T)



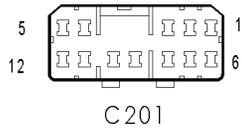
C200 - GRAY (I/P TO HVAC)

CAV	CIRCUIT
1	C7 10BK/TN
2	C34 20DB/WT
3	C4 16TN
4	C32 20GY/DB
5	C6 14LB
6	C5 16LG
7	C1 10DG
8	C33 20DB/RD
9	C12 20LG/BK
10	C57 20DB/GY
11	C62 20DB/PK
12	C46 20YL/LG
13	C35 20DG/YL



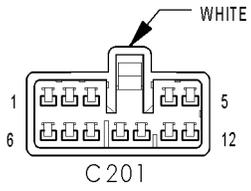
C200 - (HVAC TO I/P)

CAV	CIRCUIT
1	C7 10BK/TN
2	C34 20DB/WT
3	C4 16TN
4	C32 20GY/DB
5	C6 14LB
6	C5 16LG
7	C1 10DG
8	C33 20DB/RD
9	C12 20LG/BK (A/C ONLY)
10	C57 20DB/GY (A/C ONLY)
11	C62 20DB/PK
12	C46 20YL/LG (DUAL-ZONE)
13	C35 20DG/YL



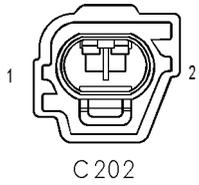
C201 - (I/P TO HEADLINER)

CAV	CIRCUIT
1	D25 20VT
2	Z104 20BK/OR
3	L50 18WT/TN
4	Z56 18BK
5	-
6	Y107 20VT/RD
7	-
8	M3 20PK/DB
9	M20 20BR
10	M11 20PK/LB
11	L1 20VT/BK
12	F32 20RD/YL



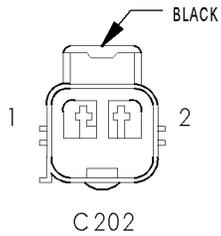
C201 - WHITE (HEADLINER TO I/P)

CAV	CIRCUIT
1	D25 20VT
2	Z104 18BK/OR
3	L50 18WT/TN
4	Z56 18BK
5	-
6	Y107 20VT/RD (EXCEPT BASE)
7	-
8	M3 20PK/DB
9	M20 20BR
10	M11 20PK/LB
11	L1 18VT/BK
12	F32 18RD/YL



C202 - (DASH TO FOG LAMPS)

CAV	CIRCUIT
1	L39 18LB
2	Z144 BK/OR



C202 - BLACK (FOG LAMPS TO DASH)

CAV	CIRCUIT
1	L39 18LB
2	Z144 18BK/OR

PICTURE  
NOT  
AVAILABLE

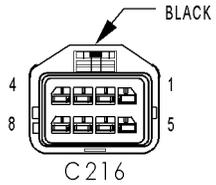
C206 - (CLEARANCE LAMP TO I/P)

CAV	CIRCUIT
1	L7 20BK/YL
2	Z253 20BK/RD

PICTURE  
NOT  
AVAILABLE

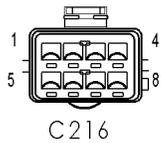
C206 (SLT+)

CAV	CIRCUIT
1	L7 18BK/YL
2	Z253 18BK/RD



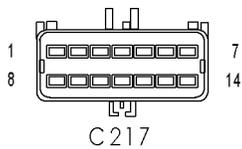
C216 - BLACK (DASH TO CHASSIS)

CAV	CIRCUIT
1	B113 20RD/VT
2	B114 20WT/VT
3	L76 18BK/OR
4	L24 18WT/LG
5	L62 18BR/RD
6	K4 18BK/LB
7	G8 20LB/BK
8	L7 18BK/YL



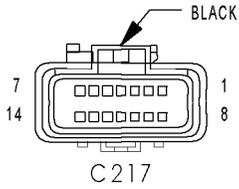
C216 - (CHASSIS TO DASH)

CAV	CIRCUIT
1	B113 18RD/VT
2	B114 18WT/VT
3	L76 18BK/OR
4	L24 18WT/LG
5	L62 18BR/RD
6	K4 18BK/LB
7	G8 18LB/BK
8	L7 18BK/YL



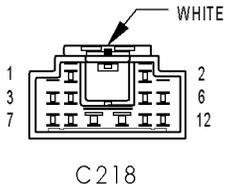
C217 - (CHASSIS TO DASH)

CAV	CIRCUIT
1	Y141 18YL/PK
2	B40 14LB
3	Y133 14WT/RD
4	Y174 18PK/VT
5	A64 16DG/WT
6	L50 18WT/TN
7	Z52 14BK
8	-
9	-
10	L22 18LB/WT
11	L63 18DG/RD
12	L1 18VT/BK
13	Y140 18WT/PK
14	Z13 16BK



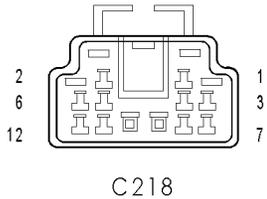
C217 - BLACK (DASH TO CHASSIS)

CAV	CIRCUIT
1	Y141 18DG/WT
2	B40 14LB
3	Y133 14RD/OR
4	Y174 18PK/VT
5	A64 16DG/WT
6	L50 18WT/TN
7	Z52 14BK
8	-
9	-
10	L22 18LB/WT
11	L63 18DG/RD
12	L1 18VT/BK
13	Y140 18 WT/PK
14	Z13 16BK



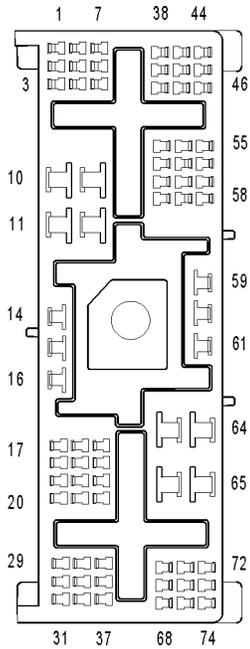
C218 - WHITE (DASH TO BODY)

CAV	CIRCUIT
1	-
2	Y148 18YL/RD
3	F121 16TN/BK
4	F235 18RD
5	-
6	-
7	-
8	F14 18LG/YL
9	F37 12 RD/LB
10	-
11	-
12	-



C218 - (BODY TO DASH)

CAV	CIRCUIT
1	-
2	Y148 16YL/RD
3	F121 16TN/BK (EXCEPT BASE)
4	F235 18RD (SLT+)
5	-
6	-
7	-
8	F14 18LG/YL (SIDE IMPACT AIRBAGS)
9	F37 12RD/LB
10	-
11	-
12	-



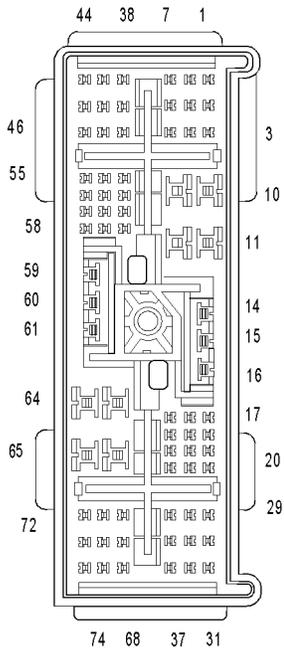
C219

C219 - GRAY (DASH TO I/P)

CAV	CIRCUIT
1	Y113 20YL/OR (ETC)
2	D15 18WT/DG (EXCEPT 8.0L)
3	L50 18WT/TN
4	A51 16RD/WT (GAS EXCEPT 8.0L)
5	D21 20PK
6	A108 18TN/RD
7	A41 16YL
8	D20 20LG
9	-
10	A2 10PK/BK
11	A30 10RD/WT (EXCEPT BASE)
12	-
13	-
14	-
15	-
16	V38 20VT/OR (5.7L)
17	V37 20RD/LG
18	T6 20OR/WT
19	L7 18BK/YL
20	Y107 20VT/RD
21	V32 20YL/RD
22	-
23	A22 16BK/OR
24	G11 20WT/LG
25	V30 20DB/RD (EXCEPT 5.7L)
25	Y135 18LG/BK (5.7L)
25	Z10 20BK/TN (DIESEL)
26	M1 18PK
27	L1 18VT/BK
28	D25 20VT/OR (EXCEPT 4.7L)
29	D25 20VT/BK
30	K4 18BK/LB (GAS EXCEPT 5.7L)
30	K914 20VT/BR (DIESEL)
30	Y215 18YL/PK (5.7L)
31	E1 20TN
32	F15 20DB
33	F35 18RD
34	D25 20VT/BR (GAS)
35	-
36	F30 18RD
37	A34 16LB/RD (5.7L ETC)
38	A21 16DB
39	Y128 20DG/GY (3.7L/5.9L/8.0L/DIESEL)
40	Y125 16DG/WT (5.7L ETC)
41	A1 16RD
42	Y135 18LG/BK

C219 - GRAY (DASH TO I/P)

CAV	CIRCUIT
43	Y153 18DB/RD (EXCEPT BASE)
44	D6 18PK/LB
45	-
46	C16 20LB/YL (EXCEPT BASE)
47	Y193 20YL/RD (EXCEPT NGC/DIESEL)
48	A12 18RD/TN
49	F75 18VT (EXCEPT BASE)
50	Y117 20YL/DB (5.7L ETC)
51	-
52	-
53	Y124 16DG/VT (ETC)
54	Y112 20YL/BR (ETC)
55	F32 20RD/YL
56	F23 18DB/YL
57	T24 20BR/YL (5.7L ETC)
58	Y116 20YL/GY (5.7L ETC)
59	-
60	Y131 14RD/WT
61	A31 14BK/WT
62	-
63	-
64	-
65	-
66	A38 16OR
67	F14 18LG/YL
68	L39 18LB
69	K29 20WT/PK (EXCEPT BASE)
70	A14 20RD/WT
71	Y115 20YL/WT (5.7L ETC)
72	D25 20VT/PK
73	Y105 20BR/RD
74	Y114 20YL/VT (5.7L ETC)



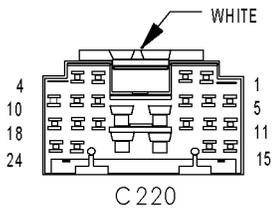
C219

C219 - GRAY (I/P TO DASH)

CAV	CIRCUIT
1	Y113 20YL/OR (SLT+)
2	D15 18WT/DG
3	L50 18WT/TN
4	A51 16RD/WT
5	D21 18PK
6	A108 18TN/RD
7	A41 16YL
8	D20 20LG
9	-
10	A2 10PK/BK
11	A30 10RD/WT
12	-
13	-
14	-
15	-
16	V38 20VT/OR
17	V37 20RD/WT
18	T6 20OR/WT
19	L7 18BK/YL
20	Y107 20VTRD
21	V32 20YL/RD
22	-
23	A22 16BK/OR
24	G11 20WT/LG
25	V30 20DB/RD
26	M1 18PK
27	L1 18VT/BR
28	D25 20VT/OR
29	D25 20VT/BK
30	K4 20BK/LB
31	E1 20TN
32	F15 20DB
33	F35 18RD
34	D25 20VT/BR
35	-
36	F30 18RD
37	-
38	A21 16DB
39	T128 20DG/GY
40	Y125 16DG/WT (SLT+)
41	A1 16RD
42	Y135 20LG/BK
43	Y153 18DB/RD (SLT+)
44	D6 18PK/LB
45	-
46	C16 20LB/YL
47	Y193 20YL/RD
48	A12 18RD/TN
49	F75 18VT
50	Y117 20YL/DB (SLT+)
51	-
52	-
53	Y124 16DG/VT (SLT+)
54	Y112 20YL/BR (SLT+)
55	F32 20RD/YL

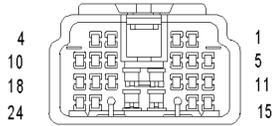
C219 - GRAY (I/P TO DASH)

CAV	CIRCUIT
56	F23 18DB/YL
57	T24 20BR/YL (SLT+)
58	Y116 20YL/GY (SLT+)
59	-
60	Y131 14RD/WT
61	A31 14BK/WT
62	-
63	-
64	-
65	-
66	A38 16OR
67	F14 18LG/YL
68	L39 20LB
69	K29 20WT/PK
70	A14 20RD/WT
71	Y115 20YL/WT (SLT+)
72	D25 20VT/PK
73	Y105 20BR/RD
74	Y114 20YL/VT (SLT+)



C220 - WHITE (I/P TO BODY)

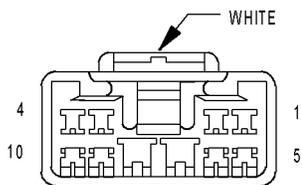
CAV	CIRCUIT
1	Y105 20BR/RD
2	X91 18WT/BK
3	F32 20RD/YL
4	X87 18LG/RD
5	G75 20TN
6	G77 20VT/OR
7	X85 18LG/DG
8	G10 20LG/RD
9	G73 20LG/OR
10	X93 18WT/RD
11	Y201 18TN/OR
12	D25 20DB/VT
13	-
14	-
15	-
16	BK/WT
17	Y157 18TN/PK
18	P97 20WT/DG
19	-
20	P55 18DB
21	-
22	F21 12TN
23	R56 18LB/DG
24	R54 18LB/YL



C 220

C220 - (BODY TO I/P)

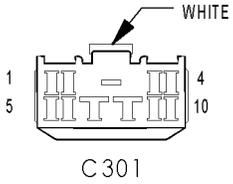
CAV	CIRCUIT
1	Y105 20BR/RD
2	X91 18WT/BK
3	F32 18RD/YL
4	X87 18LG/RD
5	G75 20TN
6	G77 20VT/OR
7	X85 18LG/DG
8	G10 20LG/RD
9	G73 20LG/OR (EXCEPT BASE)
10	X93 18WT/RD
11	-
12	D25 20DB/VT
13	-
14	-
15	-
16	Z11 18 BK/WT
17	Y157 18TN/PK (EXCEPT BASE)
18	P97 20WT/DG (EXCEPT BASE)
19	-
20	P55 18DB (EXCEPT BASE)
21	-
22	F21 12TN (EXCEPT BASE)
23	R56 18LB/DG
24	R54 18LB/YL



C 301

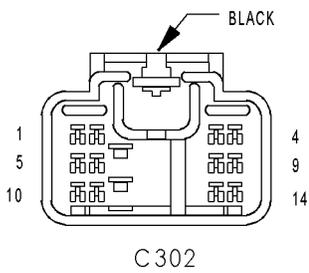
C301 - WHITE (BODY TO PASSENGER DOOR)

CAV	CIRCUIT
1	G74 20TN/RD
2	P76 20OR/YL (EXCEPT BASE)
3	P72 20YL/BK (EXCEPT BASE)
4	X82 18LB/RD
5	X80 18LB/BK
6	P74 20DB (EXCEPT BASE)
7	Q1 12TY (EXCEPT BASE)
8	-
9	-
10	Z315 20BK/LG



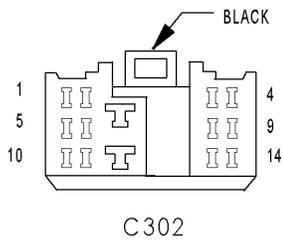
C301 - WHITE (PASSENGER DOOR TO BODY)

CAV	CIRCUIT
1	G74 20TN/RD
2	P76 20OR/YL
3	P72 20YL/BK
4	X82 18LB/RD
5	X80 18LB/BK
6	P74 20DB
7	Q1 14YL
8	-
9	-
10	Z315 20BK/LG



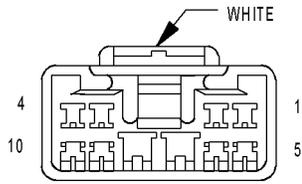
C302 - BLACK (BODY TO PASSENGER DOOR)

CAV	CIRCUIT
1	Y107 20VT/RD
2	-
3	-
4	Y156 18TN/WT
5	-
6	P96 20WT/LG
7	Q16 14BR/WT
8	Q26 14VT/WT
9	G72 20DG/OR
10	Y200 18TN/VT
11	Z311 20BK/LB
12	-
13	F121 18TN/BK
14	-



C302 - BLACK (PASSENGER DOOR TO BODY)

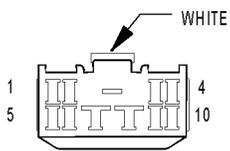
CAV	CIRCUIT
1	Y107 20VT/RD
2	-
3	-
4	Y156 18TN/WT
5	-
6	P96 20WT/LG
7	Q16 14BR/WT
8	Q26 14VT/WT
9	G72 20DG/OR
10	Y200 18TN/VT
11	Z311 20BK/LB
12	-
13	F121 18TN/BK
14	-



C 304

C304 - WHITE (BODY TO DRIVER DOOR)

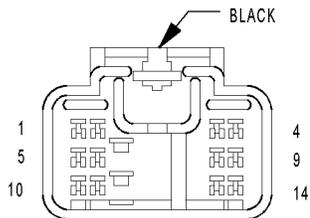
CAV	CIRCUIT
1	G75 20TN
2	P76 20OR/YL (EXCEPT BASE)
3	P72 20YL/BK (EXCEPT BASE)
4	X87 18LG/RD
5	X85 18LG/DG
6	P74 20DB (EXCEPT BASE)
7	F21 12TN (EXCEPT BASE)
8	Q1 12YL (EXCEPT BASE)
9	F32 18RD/YL (EXCEPT BASE)
10	Z314 20BK/LG



C 304

C304 - WHITE (DRIVER DOOR TO BODY)

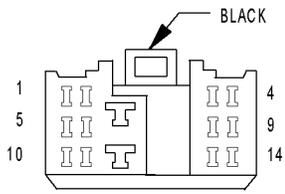
CAV	CIRCUIT
1	G75 20TN
2	P76 20OR/YL
3	P72 20YL/BK
4	X87 18LG/RD
5	X85 18LG/DG
6	P74 20DB
7	F21 14TN
8	Q1 14YL
9	F32 18RD/YL
10	Z314 20BK/LG



C 305

C305 - BLACK (BODY TO DRIVER DOOR)

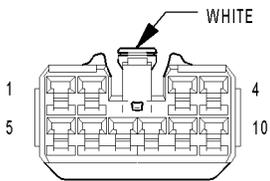
CAV	CIRCUIT
1	F121 18TN/BK
2	Q16 14BR/WT
3	Q26 14VT/WT
4	Y157 18TN/PK
5	-
6	P55 18DB
7	Z239 14BK/LB
8	Q28 14DG/WT
9	-
10	P97 20WT/DG
11	G73 20LG/OR
12	Q18 14GY/BK
13	Q27 14RD/BK
14	Q17 14DB/WT



C 305

C305 - BLACK (DRIVER DOOR TO BODY)

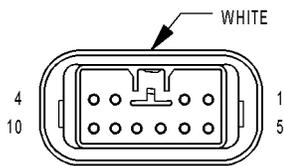
CAV	CIRCUIT
1	F121 18TN/BK
2	Q16 14BR/WT
3	Q26 14VT/WT
4	Y157 18TN/PK
5	-
6	P55 15DB
7	Z239 14BK/LB
8	Q28 14DG/WT
9	-
10	P97 20WT/DG
11	G73 20LG/OR
12	Q18 14GY/BK
13	Q27 14RD/BK
14	Q17 14DB/WT
15	-
16	-



C 306

C306 - WHITE (BODY TO LEFT REAR DOOR)

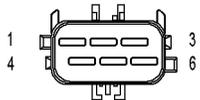
CAV	CIRCUIT
1	Z75 20BK
2	G77 20TN/OR
3	Y157 18TN/PK
4	Y201 18TN/OR
5	Q1 14YL
6	Q17 14DB/WT
7	Q27 14RD/BK
8	X91 18WT/BK
9	X93 18WT/RD
10	-



C 306

C306 - WHITE (LEFT REAR DOOR TO BODY)

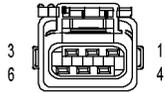
CAV	CIRCUIT
1	Z75 20BK
2	G77 20VT/OR
3	Y157 18TN/PK (EXCEPT BASE)
4	Y201 18TN/OR (EXCEPT BASE)
5	Q1 14YL (EXCEPT BASE)
6	Q17 14DB/WT (EXCEPT BASE)
7	Q27 14/RD/BK (EXCEPT BASE)
8	X91 18WT/BK
9	X93 18WT/RD
10	-



C307  
(TAIL LAMP  
JUMPER)

C307 (TAIL LAMP JUMPER) - (CHASSIS TO TAIL LAMPS)

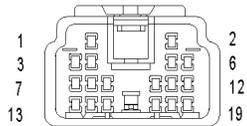
CAV	CIRCUIT
1	L7 18 BK/YL
2	-
3	Z151 18 BK
4	L22 18LB/WT
5	L62 18BR/RD
6	L1 18VT/BK



C307  
(TAIL LAMP  
JUMPER)

C307 (TAIL LAMP JUMPER) - (TAIL LAMPS TO CHASSIS)

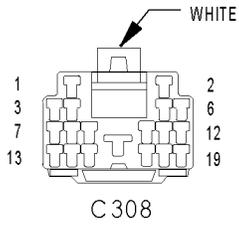
CAV	CIRCUIT
1	L7 18BK/YL
2	-
3	Z151 18BK
4	L22 18WT/LG
5	L62 18DG/RD
6	L1 18VT/BK



C308

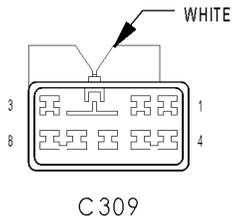
C308 - (BODY TO I/P)

CAV	CIRCUIT
1	G74 20TN/RD
2	G72 20DG/OR (EXCEPT BASE)
3	-
4	X80 18LB/BK
5	P96 20WT/LG (EXCEPT BASE)
6	G76 20TN/YL
7	-
8	Y200 18TN/VY (EXCEPT BASE)
9	Y156 18TN/WT (EXCEPT BASE)
10	Y107 20VT/RD (EXCEPT BASE)
11	R53 18LG/YL
12	R55 18LG/DG
13	-
14	X94 18TN/VT
15	X92 18TN/BK
16	-
17	-
18	-
19	X82 18LB/RD



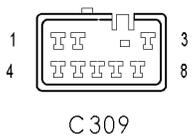
C308 - WHITE (I/P TO BODY)

CAV	CIRCUIT
1	G74 20TN/RD
2	G72 20DG/OR
3	-
4	X80 18LB/BK
5	P96 20WT/LG
6	G76 20TN/YL
7	-
8	Y200 18TN/VT
9	Y156 18TN/WT
10	Y107 20VT/RD
11	R53 18LG/YL
12	R55 18LG/DG
13	-
14	X94 18TN/VT
15	X92 18TN/BK
16	-
17	-
18	-
19	X82 18LB/VT



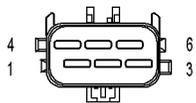
C309 - WHITE (I/P TO BODY)

CAV	CIRCUIT
1	-
2	P133 20TN/DG
3	P137 20VT/DG
4	-
5	P140 20VT/BK
6	P134 20TN/LG
7	P138 20VT/LG
8	P139 20VT/WT



C309 - (BODY TO I/P)

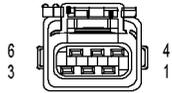
CAV	CIRCUIT
1	-
2	P133 20TN/DG
3	P137 20VT/DG
4	-
5	P140 20VT/BK
6	P134 20TN/LG
7	P138 20VT/LG
8	P139 20VY/WT



C310  
(TAIL LAMP  
JUMPER)

C310 (TAIL LAMP JUMPER) - (CHASSIS TO LEFT TAIL)

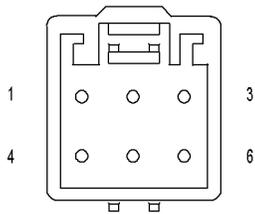
CAV	CIRCUIT
1	Y174 18PK/VT
2	-
3	Z150 18BK
4	L24 18WT/LG
5	L63 18DG/RD
6	L1 18VT/BK



C310  
(TAIL LAMP  
JUMPER)

C310 (TAIL LAMP JUMPER) - (LEFT TAIL TO CHASSIS)

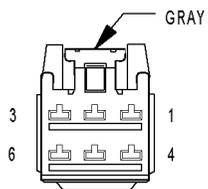
CAV	CIRCUIT
1	Y174 18PK/VT
2	-
3	Z150 18BK
4	L24 18WT/LG
5	L63 18DG/RD
6	L1 18VT/BK



C311  
(EXCEPT SLT+)

C311 (EXCEPT SLT+) - (SEAT TO BODY)

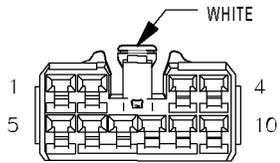
CAV	CIRCUIT
1	Z238 14BK
2	F37 12RD/LB
3	G10 20LG/RD
4	Y148 16BR/YL
5	Z237 20BK/OR
6	-



C311  
(EXCEPT SLT+)

C311 (EXCEPT SLT+) - GRAY (BODY TO SEAT)

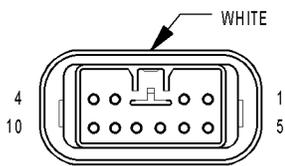
CAV	CIRCUIT
1	Z238 14BK
2	F37 12RD/LB
3	G10 20LG/RD
4	Y148 16YL/RD
5	Z237 20BK/OR
6	-



C312

C312 - WHITE (BODY TO RIGHT REAR DOOR)

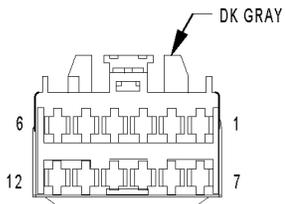
CAV	CIRCUIT
1	Z74 20BK
2	G76 20TN/YL
3	Y200 18TN/VT
4	Y156 18TN/WT
5	Q1 14YL
6	Q18 14GY/BK
7	Q28 14 DG/WT
8	X92 18TN/BK
9	X94 18TN/VT
10	-



C312

C312 - WHITE (RIGHT REAR DOOR TO BODY)

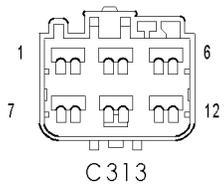
CAV	CIRCUIT
1	Z74 20BK
2	G76 20VT/OR
3	Y200 18TN/OR (EXCEPT BASE)
4	Y156 18TN/PK (EXCEPT BASE)
5	Q1 14YL (EXCEPT BASE)
6	Q18 14DB/WT (EXCEPT BASE)
7	Q28 14RD/BK (EXCEPT BASE)
8	X92 18WT/BK
9	X94 18WT/RD
10	-



C313

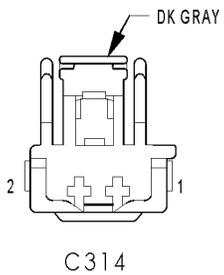
C313 - DK GRAY (JUMPER TO DRIVER SEAT)

CAV	CIRCUIT
1	F37 12RD/LB
2	Z238 14BK
3	P106 12DG/WT
4	P13 12RD/WT
5	P107 12OR/BK
6	Z88 14BK/LB
7	F37 12RD/LB
8	P11 12YL/WT
9	P17 12RD/LB
10	P15 12YL/LB
11	P21 12RD/LG
12	P19 12YL/LG



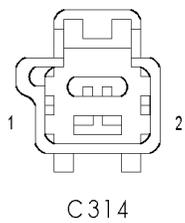
C313 - (DRIVER SEAT TO JUMPER)

CAV	CIRCUIT
1	F37 12RD/LB
2	Z238 14BK
3	P106 12DG/WT
4	P13 12RD/WT
5	P107 12OR/BK
6	Z88 14BK/LB
7	F37 12RD/LB
8	P11 12YL/WT
9	P17 12RD/LB
10	P15 12YL/LB
11	P21 12RD/LG
12	P19 12YL/LG



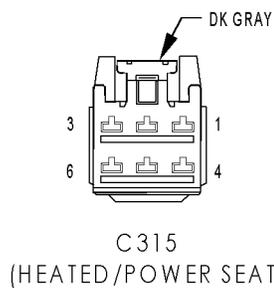
C314 - DK GRAY (DRIVER SEAT TO JUMPER)

CAV	CIRCUIT
1	Y148 16BR/YL
2	Z300 16BK/WT



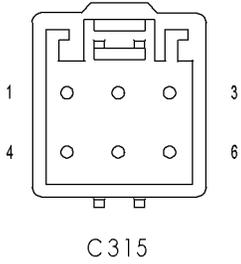
C314 - (JUMPER TO DRIVER SEAT)

CAV	CIRCUIT
1	Y148 16BR/YL
2	Z300 16BK/WT



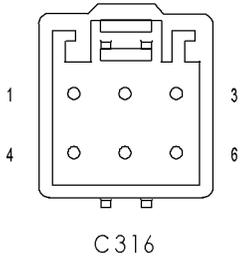
C315 (HEATED/POWER SEAT) - DK GRAY  
(DRIVER SEAT TO JUMPER)

CAV	CIRCUIT
1	Z121 20BK/WT
2	P142 18TN/DB
3	F37 12RD/LB
4	P144 20BK/LG
5	P86 20PK/BK
6	Z238 14BK



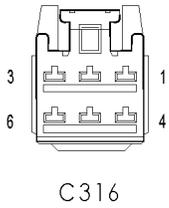
C315 - (JUMPER TO DRIVER SEAT)

CAV	CIRCUIT
1	Z121 20BK/WT
2	P142 18TN/DB
3	P37 12RD/LB
4	P144 20BK/LG
5	P86 20PK/BK
6	Z238 14BK



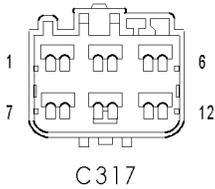
C316 - (JUMPER TO PASSENGER SEAT)

CAV	CIRCUIT
1	Z121 20BK/WT
2	P142 18TN/DB
3	F37 12RD/LB
4	P144 20BK/LG
5	P86 20PK/BK
6	Z238 14BK



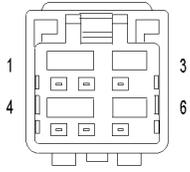
C316 - (PASSENGER SEAT TO JUMPER)

CAV	CIRCUIT
1	Z121 20BK/WT
2	P142 18TN/DB
3	F37 12RD/LB
4	P144 20BK/LG
5	P86 20PK/BK
6	Z238 14BK



C317 - (PASSENGER SEAT TO SEAT SWITCH)

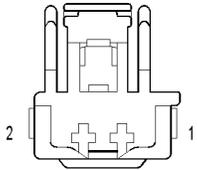
CAV	CIRCUIT
1	F37 12RD/LB
2	Z238 14BK
3	P105 12LG/DB
4	P10 12YL/WT
5	P104 12YL/LB
6	Z238 14BK
7	F37 12RD/LB
8	P12 12RD/WT
9	P16 12 RD/LB
10	P14 12YL/LB
11	P18 12YL/LG
12	P20 12RD/LG



C317

C317 - (SEAT SWITCH PASSENGER SEAT)

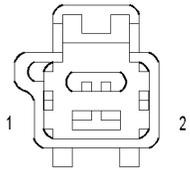
CAV	CIRCUIT
1	Z238 18BK
2	P105 12LG/DB
3	F37 12RD/LB
4	P104 12YL/LB
5	Z238 18BK
6	-



C319

C319 - (JUMPER TO POWER POINT)

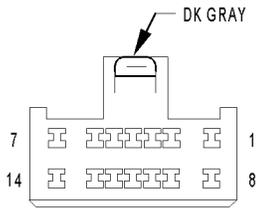
CAV	CIRCUIT
1	Y148 16BR/YL
2	Z300 16BK/WT



C319

C319 - (POWER POINT TO JUMPER)

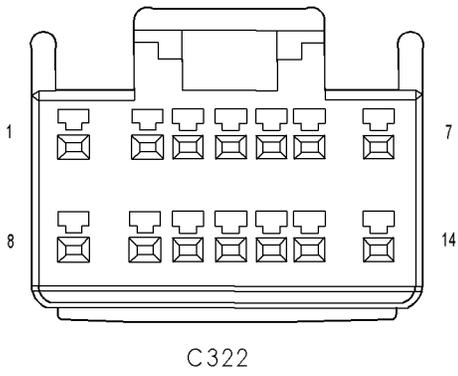
CAV	CIRCUIT
1	Y148 18BR/YL
2	Z300 18BK/WT



C322

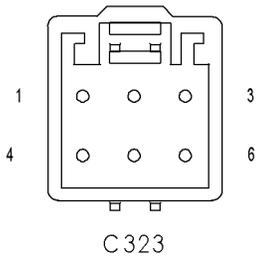
C322 - DK GRAY (SEAT TO BODY)

CAV	CIRCUIT
1	F235 18RD (SLT + HEATED POWER DRIVER SEAT)
1	Z300 16BK/WT (MANUAL DRIVER SEAT WITH POWER POINT)
1	Z238 14BK (POWER DRIVER SEAT)
2	P137 20VT/DG (SLT+HEATED POWER DRIVER SEAT)
2	F37 12RD/LB (POWER DRIVER SEAT)
3	G10 20LG/RD (DRIVER POWER/MANUAL SEAT)
3	P133 20TN/DG (SLT+HEATED POWER DRIVER SEAT)
4	G10 20 LG/RD (SLT+HEATED POWER DRIVER SEAT)
4	Y148 16BR/YL (POWER DRIVER SEAT/DRIVER MANUAL SEAT WITH POWER POINT)
5	Z237 20BK/OR (POWER DRIVER SEAT)
5	P139 20VT/WT (SLT+HEATED POWER DRIVER SEAT)
6	P138 20VT/LG (SLT+HEATED POWER DRIVER SEAT)
7	Z238 14BK (SLT+HEATED POWER DRIVER SEAT)
8	F37 12RD/LB (SLT+HEATED POWER DRIVER SEAT)
9	P134 20TN/LG (SLT+HEATED POWER DRIVER SEAT)
10	P140 20VT/BK (SLT+HEATED POWER DRIVER SEAT)
11	Z237 20BK/OR (SLT+HEATED POWER DRIVER SEAT)
12	Z121 20BK/LG (SLT+HEATED POWER DRIVER SEAT)
13	-
14	Y148 16BR/YL (SLT+HEATED POWER DRIVER SEAT)



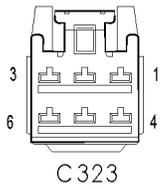
C322 - (BODY TO SEAT)

CAV	CIRCUIT
1	F235 18RD
2	P137 20VT/DG
3	P133 20TN/DG
4	G10 20LG/RD
5	P139 20VT/WT
6	P138 20VT/LG
7	Z238 14BK
8	F37 12RD/LB
9	P134 20TN/LG
10	P140 20VT/BK
11	Z237 20BK/OR
12	Z121 20BK/LG
13	-
14	Y148 16YL/RD



C323 - (JUMPER TO PASSENGER LUMBAR)

CAV	CIRCUIT
1	Z238 18BK
2	P105 12LG/DB
3	F37 12RD/LB
4	P104 12YL/LB
5	Z238 18BK
6	-



C323 - (PASSENGER LUMBAR TO JUMPER)

CAV	CIRCUIT
1	Z238 18BK
2	P105 12LG/DB
3	F37 12RD/LB
4	P104 12YL/LB
5	Z238 18BK
6	-

PICTURE  
NOT  
AVAILABLE

C327 - BLACK (CHASSIS TO  
DUAL-REAR-WHEELS)

CAV	CIRCUIT
1	Y174 20PK/VT
2	Z57 20BK

PICTURE  
NOT  
AVAILABLE

C327 - BLACK (DUAL-REAR-WHEELS TO  
CHASSIS)

CAV	CIRCUIT
1	Y174 18PBK/YL
2	Z57 18BK

PICTURE  
NOT  
AVAILABLE

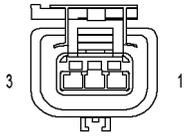
C328 - BLACK (CHASSIS TO  
DUAL-REAR-WHEELS)

CAV	CIRCUIT
1	L7 20BK/YL
2	Z48 20BK

PICTURE  
NOT  
AVAILABLE

C328 - BLACK (DUAL-REAR-WHEELS TO  
CHASSIS)

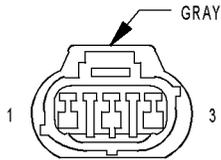
CAV	CIRCUIT
1	Y174 18PK/VT
2	Z57 18BK



CAMSHAFT  
POSITION  
SENSOR  
(DIESEL)

CAMSHAFT POSITION SENSOR (DIESEL) - 3 WAY

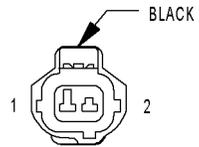
CAV	CIRCUIT	FUNCTION
1	K72 18DG/OR	5 VOLTS SUPPLY
2	K55 18LB/WT	MASS AIR FLOW SENSOR SIGNAL
3	K53 18DB/RD	MASS AIR FLOW SENSOR SIGNAL RETURN



CAMSHAFT  
POSITION  
SENSOR  
(GAS)

CAMSHAFT POSITION SENSOR (GAS) - GRAY 3 WAY

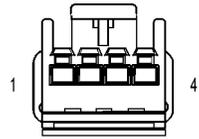
CAV	CIRCUIT	FUNCTION
1	K44 18TN/YL	CAMSHAFT POSITION SENSOR SIGNAL
1	K44 18TN/YL (4.7L/5.7L)	CMP SIGNAL
2	K4 20BK/LB (5.9L)	5 VOLT SUPPLY
2	K4 18BK/LB (3.7L)	SENSOR GROUND
2	K4 20BK/LB (4.7L/5.7L)	SENSOR GROUND
3	K7 180R (3.7L)	5 VOLT SUPPLY
3	K7 200R (5.9L)	5 VOLT SUPPLY
3	K6 20VT/WT (4.7L/5.7L)	5 VOLT SUPPLY



CAPACITOR

CAPACITOR - BLACK 2 WAY

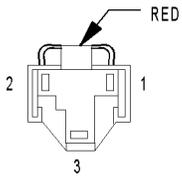
CAV	CIRCUIT	FUNCTION
1	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	-	-



CENTER HIGH MOUNTED STOP LAMP/CARGO LAMP

CENTER HIGH MOUNTED STOP LAMP/CARGO LAMP - 4 WAY

CAV	CIRCUIT	FUNCTION
1	F32 18RD/YL	FUSED B(+)
2	M3 20PK/DB	CARGO LAMP DRIVER
3	Z56 18BK	GROUND
4	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT



CIGAR LIGHTER OUTLET

CIGAR LIGHTER OUTLET - RED 3 WAY

CAV	CIRCUIT	FUNCTION
1	F30 18RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
2	-	-
3	Z301 18TN/BK	GROUND

PICTURE NOT AVAILABLE

CLEARANCE LAMP NO. 1 (HEAVY DUTY) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	L7 20BK/YL	HEADLAMP SWITCH OUTPUT
2	Z253 20BK/RD	GROUND

PICTURE NOT AVAILABLE

CLEARANCE LAMP NO. 2 (HEAVY DUTY) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	L7 20BK/YL	HEADLAMP SWITCH OUTPUT
2	Z253 20BK/RD	GROUND

PICTURE  
NOT  
AVAILABLE

CLEARANCE LAMP NO. 3 (HEAVY DUTY) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	L7 20BK/YL	HEADLAMP SWITCH OUTPUT
2	Z253 20BK/RD	GROUND

PICTURE  
NOT  
AVAILABLE

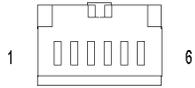
CLEARANCE LAMP NO. 4 (HEAVY DUTY) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	L7 20BK/YL	HEADLAMP SWITCH OUTPUT
2	Z253 20BK/RD	GROUND

PICTURE  
NOT  
AVAILABLE

CLEARANCE LAMP NO. 5 (HEAVY DUTY) - 2 WAY

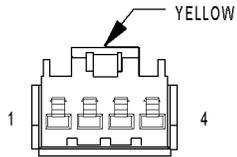
CAV	CIRCUIT	FUNCTION
1	L7 20BK/YL	HEADLAMP SWITCH OUTPUT
2	Z253 20BK/RD	GROUND



CLOCKSPRING C1

CLOCKSPRING C1 - 6 WAY

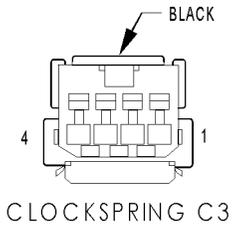
CAV	CIRCUIT	FUNCTION
1	Z5 20BK/LB	GROUND
2	X20 20GY/WT	RADIO CONTROL MUX
3	V38 20VT/OR (5.7L)	S/C SWITCH SIGNAL NO.2
4	V37 20RD/LG	SPEED CONTROL SWITCH SIGNAL
5	K4 20BK/LB	SENSOR GROUND
6	X3 20BK/RD	HORN SWITCH SENSE



CLOCKSPRING C2

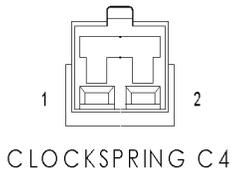
CLOCKSPRING C2 - YELLOW 4 WAY

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



CLOCKSPEED C3 - BLACK 4 WAY

CAV	CIRCUIT	FUNCTION
B1	X3 20BK/RD	HORN RELAY CONTROL
B2	K4 20BK/LB	SENSOR GROUND
B3	V37 20RD/LG	S/C SWITCH NO.1 SIGNAL
B4	V38 20VT/OR (ELECTRONIC TRANSMISSION CONTROL)	SPEED CONTROL RELAY CONTROL



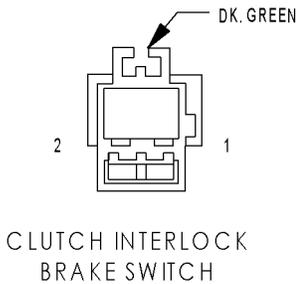
CLOCKSPEED C4 - 2 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	Z374 20BK/WT	GROUND

PICTURE  
NOT  
AVAILABLE

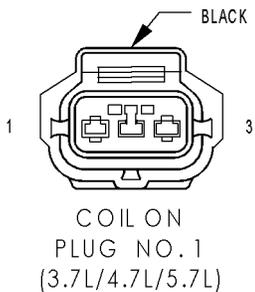
CLOCKSPEED C5 (REMOTE RADIO) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	Z5 22BK/LB	GROUND
2	X20 22GY (WITHOUT ETC)	RADIO CONTROL MUX
2	X20 22RD/BK (WITH ETC)	RADIO CONTROL MUX



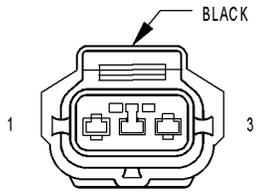
CLUTCH INTERLOCK BRAKE SWITCH - DK GREEN 2 WAY

CAV	CIRCUIT	FUNCTION
1	T24 20BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE (T41)
2	Z248 20BK	GROUND



COIL ON PLUG NO. 1 (3.7L/4.7L/5.7L) - BLACK 3 WAY

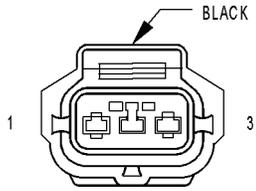
CAV	CIRCUIT	FUNCTION
1	K91 18TN/RD	COIL ON PLUG DRIVER NO. 1
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K91 18TN/RD (NGC)	COIL CONTROL NO. 1
3	-	-



COIL ON  
PLUG NO. 2  
(3.7L/4.7L/5.7L)

COIL ON PLUG NO. 2 (3.7L/4.7L/5.7L) - BLACK 3 WAY

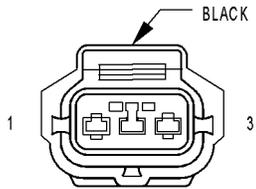
CAV	CIRCUIT	FUNCTION
1	K92 18TN/PK	COIL ON PLUG DRIVER NO. 2
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K92 18TN/PK (NGC)	COIL CONTROL NO. 2
3	-	-



COIL ON  
PLUG NO. 3  
(3.7L/4.7L/5.7L)

COIL ON PLUG NO. 3 (3.7L/4.7L/5.7L) - BLACK 3 WAY

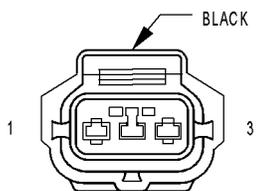
CAV	CIRCUIT	FUNCTION
1	K93 18TN/OR	COIL ON PLUG DRIVER NO. 3
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K93 18TN/OR (NGC)	COIL CONTROL NO. 3
3	-	-



COIL ON  
PLUG NO. 4  
(3.7L/4.7L/5.7L)

COIL ON PLUG NO. 4 (3.7L/4.7L/5.7L) - BLACK 3 WAY

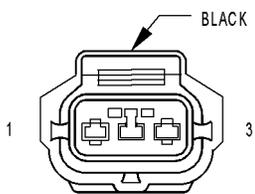
CAV	CIRCUIT	FUNCTION
1	K94 18TN/LG	COIL ON PLUG DRIVER NO. 4
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K94 18TN/LG (NGC)	COIL CONTROL NO. 4
3	-	-



COIL ON  
PLUG NO. 5  
(3.7L/4.7L/5.7L)

COIL ON PLUG NO. 5 (3.7L/4.7L/5.7L) - BLACK 3 WAY

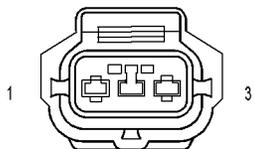
CAV	CIRCUIT	FUNCTION
1	K95 18TN/DG	COIL ON PLUG DRIVER NO. 5
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K95 18TN/DG (NGC)	COIL CONTROL NO. 5
3	-	-



COIL ON  
PLUG NO. 6  
(3.7L/4.7L/5.7L)

COIL ON PLUG NO. 6 (3.7L/4.7L/5.7L) - BLACK 3 WAY

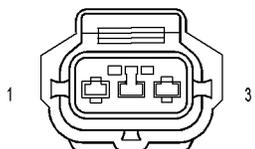
CAV	CIRCUIT	FUNCTION
1	K96 18TN/LB	COIL ON PLUG DRIVER NO. 6
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K96 18TN/LB (NGC)	COIL CONTROL NO. 6
3	-	-



COIL ON  
PLUG NO.7  
(4.7L/5.7L)

COIL ON PLUG NO. 7 (4.7L/5.7L) - BLACK 3 WAY

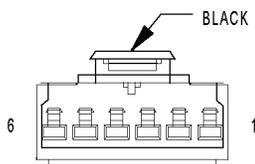
CAV	CIRCUIT	FUNCTION
1	K97 18BR	COIL CONTROL NO. 7
1	A142 16DG/OR (5.7L)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K97 18BR (5.7L)	COIL CONTROL NO. 7
3	-	-



COIL ON  
PLUG NO.8  
(4.7L/5.7L)

COIL ON PLUG NO. 8 (4.7L/5.7L) - BLACK 3 WAY

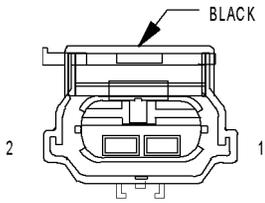
CAV	CIRCUIT	FUNCTION
1	K98 18LB/RD	COIL CONTROL NO. 8
1	A142 16DG/OR (5.7L)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K98 18LB/RD (5.7L)	COIL CONTROL NO. 8
3	-	-



COMPASS/Mini-  
TRIP COMPUTER  
(EXCEPT BASE)

COMPASS/Mini-TRIP COMPUTER (EXCEPT BASE) - BLACK 6 WAY

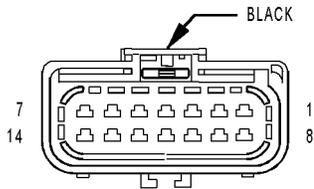
CAV	CIRCUIT	FUNCTION
1	-	-
2	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	Z104 20BK/OR	GROUND
4	F32 20RD/YL	FUSED B(+)
5	D25 20VT	PCI BUS
6	-	-



CONDENSER FAN

CONDENSER FAN - BLACK 2 WAY

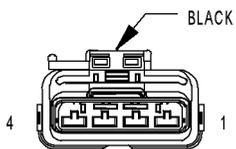
CAV	CIRCUIT	FUNCTION
1	Z212 16LG/BK	GROUND
2	C23 16DG	CONDENSER FAN RELAY OUTPUT



CONTROLLER ANTILOCK BRAKE C1

CONTROLLER ANTILOCK BRAKE C1 - BLACK 14 WAY

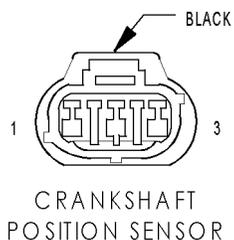
CAV	CIRCUIT	FUNCTION
1	B113 20RD/VT	REAR WHEEL SPEED SENSOR (+)
2	B222 20DG/WT (EXCEPT 4 WHEEL ABS)	VEHICLE SPEED SIGNAL NO.2
3	D25 20VT/BK	PCI BUS
4	A20 20RD/DB	FUSED IGNITION SWITCH OUTPUT (RUN)
5	-	-
6	Z102 12BK/VT	GROUND
7	A10 14RD/DG	FUSED B(+)
8	B114 20WT/VT	REAR WHEEL SPEED SENSOR (-)
9	K29 20WT/PK	BRAKE SWITCH SENSE
10	-	-
11	G9 20GY/BK	BRAKE FLUID LEVEL SWITCH SENSE
12	G7 20WT/OR (EXCEPT 4.7L ABS/5.7L ABS)	VEHICLE SPEED SIGNAL NO.1
12	B22 20DG/YL (4.7L ABS/5.7 ABS)	VEHICLE SPEED SIGNAL NO.1
13	Z101 12BK/PK (4 WHEEL ABS)	GROUND
14	A10 14RD/DG (4 WHEEL ABS)	FUSED B(+)



CONTROLLER ANTILOCK BRAKE C2 (ABS)

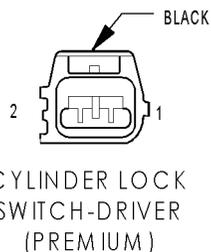
CONTROLLER ANTILOCK BRAKE C2 (ABS) - BLACK 4 WAY

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



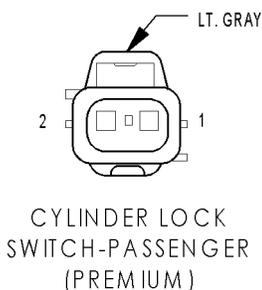
CRANKSHAFT POSITION SENSOR - BLACK 3 WAY

CAV	CIRCUIT	FUNCTION
1	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
1	K7 18OR (5.7L)	5 VOLT SUPPLY
1	K24 18GY/BK (4.7L)	CKP SIGNAL
2	K4 18BK/LB (3.7L/4.7L/5.7L)	SENSOR GROUND
2	K4 20BK/LB (5.9L)	SENSOR GROUND
3	K7 18OR (3.7L/4.7L)	5 VOLT SUPPLY
3	K24 18GY/BK (5.7L)	CKP SIGNAL
3	K7 20OR (5.9L)	5 VOLT SUPPLY



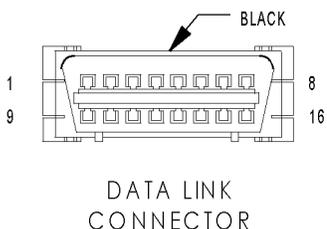
CYLINDER LOCK SWITCH-DRIVER (PREMIUM) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	G73 20LG/OR	DRIVER CYLINDER LOCK SWITCH MUX
2	Z70 20BK/LG	GROUND



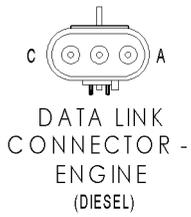
CYLINDER LOCK SWITCH-PASSENGER (PREMIUM) - LT GRAY 2 WAY

CAV	CIRCUIT	FUNCTION
1	G72 20DG/OR	PASSENGER CYLINDER LOCK SWITCH MUX
2	Z69 20BK/LG	GROUND



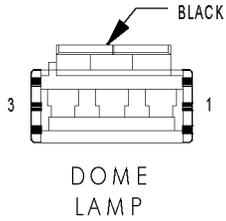
DATA LINK CONNECTOR - BLACK 16 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	D25 20LB/VT	PCI BUS
3	-	-
4	Z305 18BK/DG	GROUND
5	Z306 18OR/BK	GROUND
6	-	-
7	D21 18PK	SCI TRANSMIT (PCM)
8	-	-
9	D6 18PK/LB	SCI RECEIVE (TCM)
10	-	-
11	-	-
12	D20 20LG	SCI RECEIVE (PCM)
13	-	-
14	-	-
15	D15 18WT/DG	SCI TRANSMIT (TCM)
16	M1 18PK	FUSED B(+)



DATA LINK CONNECTOR - ENGINE (DIESEL) - 3 WAY

CAV	CIRCUIT	FUNCTION
A	D1 18VT/BR	CCD BUS (+)
B	D2 18WT/BK	CCD BUS (-)
C	Z11 14BK/WT	GROUND



DOMELAMP - BLACK 3 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	M20 20BR	COURTESY LAMP DRIVER
3	F32 18RD/YL	FUSED B(+)



DOOR AJAR SWITCH-DRIVER (BASE) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	G75 20TN	DRIVER DOOR AJAR SWITCH SENSE
2	Z314 20BK/LG	GROUND



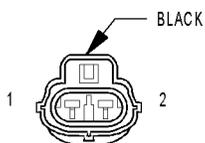
DOOR AJAR SWITCH-LEFT REAR (BASE) - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	G77 20VT/OR	LEFT REAR DOOR AJAR SWITCH SENSE
2	Z75 20BK	GROUND



DOOR AJAR SWITCH-PASSENGER (BASE) - BLACK 2 WAY

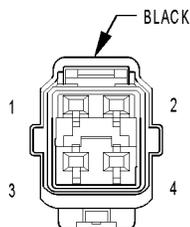
CAV	CIRCUIT	FUNCTION
1	G74 20TN	PASSENGER DOOR AJAR SWITCH SENSE
2	Z315 20BK/LG	GROUND



DOOR AJAR SWITCH-  
RIGHT REAR  
(BASE)

DOOR AJAR SWITCH-RIGHT REAR (BASE) - BLACK 2 WAY

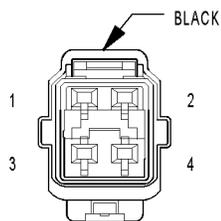
CAV	CIRCUIT	FUNCTION
1	G76 20VT/OR	RIGHT REAR DOOR AJAR SWITCH SENSE
2	Z74 20BK	GROUND



DOOR LOCK MOTOR/  
AJAR SWITCH-DRIVER  
(EXCEPT BASE)

DOOR LOCK MOTOR/AJAR SWITCH-DRIVER (EXCEPT BASE) - BLACK 4 WAY

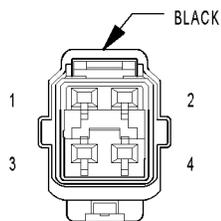
CAV	CIRCUIT	FUNCTION
1	G75 20TN	DRIVER DOOR AJAR SWITCH SENSE
2	Z314 20BK/LG	GROUND
3	P55 18 DB	DOOR UNLOCK DRIVER LEFT FRONT
4	Y157 18TN/PK	DOOR LOCK DRIVER LEFT DOORS



DOOR LOCK MOTOR/  
AJAR SWITCH-  
LEFT REAR  
(EXCEPT BASE)

DOOR LOCK MOTOR/AJAR SWITCH-LEFT REAR (EXCEPT BASE) - BLACK 4 WAY

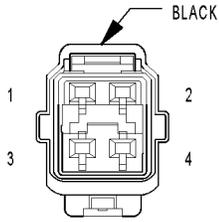
CAV	CIRCUIT	FUNCTION
1	G77 20VT/OR	LEFT REAR DOOR AJAR SWITCH SENSE
2	Z75 20BK	GROUND
3	Y201 18TN/OR	DOOR UNLOCK DRIVER LEFT REAR
4	Y157 18TN/PK	DOOR LOCK DRIVER LEFT DOORS



DOOR LOCK MOTOR/  
AJAR SWITCH-  
PASSENGER  
(EXCEPT BASE)

DOOR LOCK MOTOR/AJAR SWITCH-PASSENGER (EXCEPT BASE) - BLACK 4 WAY

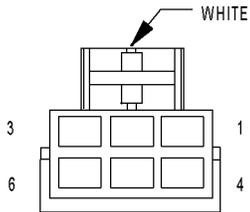
CAV	CIRCUIT	FUNCTION
1	G74 20TN/RD	PASSENGER DOOR AJAR SWITCH SENSE
2	Z315 20BK/LG	GROUND
3	Y156 18TN/WT	DOOR UNLOCK DRIVER RIGHT DOORS
4	Y200 18TN/VT	DOOR LOCK DRIVER RIGHT DOORS



DOOR LOCK MOTOR/  
AJAR SWITCH-  
RIGHT REAR  
(EXCEPT BASE)

DOOR LOCK MOTOR/AJAR SWITCH-RIGHT REAR (EXCEPT BASE) - BLACK 4 WAY

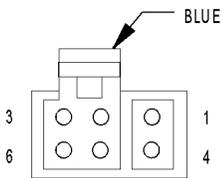
CAV	CIRCUIT	FUNCTION
1	G76 20VT/OR	RIGHT REAR DOOR AJAR SWITCH SENSE
2	Z74 20BK	GROUND
3	Y156 18TN/OR	DOOR UNLOCK DRIVER RIGHT DOORS
4	Y200 18TN/PK	DOOR LOCK DRIVER RIGHT DOORS



DOOR LOCK  
SWITCH-  
PASSENGER

DOOR LOCK SWITCH-PASSENGER - WHITE 6 WAY

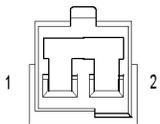
CAV	CIRCUIT	FUNCTION
1	P96 20WT/LG	PASSENGER DOOR LOCK SWITCH MUX
2	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	-	-
5	Z74 20BK/LG	GROUND
6	-	-



DOOR WINDOW/LOCK  
SWITCH-PASSENGER

DOOR WINDOW/LOCK SWITCH - PASSENGER - BLUE 6 WAY

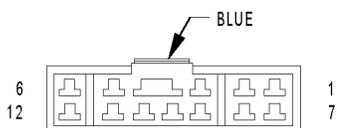
CAV	CIRCUIT	FUNCTION
1	Q12 14BR	RIGHT FRONT WINDOW DRIVER (UP)
2	Q26 14VT/WT	MASTER WINDOW SWITCH RIGHT FRONT (DOWN)
3	-	-
4	Q16 14BR/WT	MASTER WINDOW SWITCH RIGHT FRONT (UP)
5	Q22 14VT	RIGHT FRONT WINDOW DRIVER (DOWN)
6	Q1 14YL	POWER WINDOW SWITCH FEED



DRIVER BLEND  
DOOR ACTUATOR  
(DUAL-ZONE)

DRIVER BLEND DOOR ACTUATOR (DUAL-ZONE) - 2 WAY

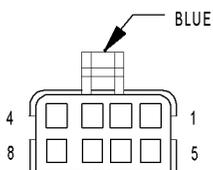
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C62 20DB/PK	BLEND DOOR DRIVER



DRIVER  
DOOR  
MODULE C1

DRIVER DOOR MODULE C1 - BLUE 12 WAY

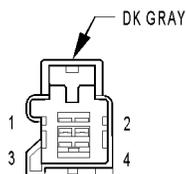
CAV	CIRCUIT	FUNCTION
1	Q28 14DG/WT	RIGHT REAR WINDOW DRIVER (DOWN)
2	Q18 14GY/BK	RIGHT REAR WINDOW DRIVER (UP)
3	Q16 14BR/WT	MASTER WINDOW SWITCH RIGHT FRONT (UP)
4	Q17 14DB/WT	LEFT REAR WINDOW DRIVER (UP)
5	Q11 14LB	LEFT FRONT WINDOW DRIVER (UP)
6	Q26 14VT/WT	MASTER WINDOW SWITCH RIGHT FRONT (DOWN)
7	P97 20WT/DG	DRIVER DOOR LOCK SWITCH MUX
8	Z67 14BK	GROUND
9	F21 14TN	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
10	Q27 14RD/BK	LEFT REAR WINDOW DRIVER (DOWN)
11	Z75 20BK	GROUND
12	Q21 14WT	LEFT FRONT WINDOW DRIVER (DOWN)



DRIVER  
DOOR  
MODULE C2

DRIVER DOOR MODULE C2 - BLUE 8 WAY

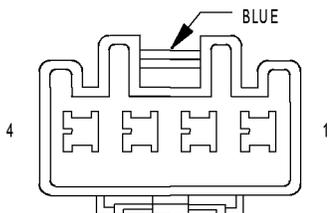
CAV	CIRCUIT	FUNCTION
1	P71 20YL	LEFT MIRROR UP DRIVER
2	P76 20OR/YL	LEFT MIRROR COMMON DRIVER (RIGHT/DOWN)
3	F32 18RD/YL	FUSED B(+)
4	P74 20DB	RIGHT MIRROR LEFT DRIVER
5	Z239 20BK	GROUND
6	P75 20DB/WT	LEFT MIRROR LEFT DRIVER
7	P72 20YL/BK	RIGHT MIRROR UP DRIVER
8	Q1 14YL	POWER WINDOW SWITCH FEED



DRIVER  
HEATED SEAT  
CUSHION

DRIVER HEATED SEAT CUSHION - DK GRAY 4 WAY

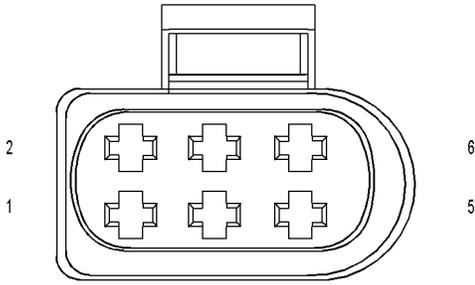
CAV	CIRCUIT	FUNCTION
1	P141 18TN/LB	DRIVER SEAT TEMPERATURE SENSOR INPUT
2	Z121 20BK/LG	GROUND
3	P143 20BK/DG	DRIVER SEAT TEMPERATURE 5 VOLT SUPPLY
4	P86 20PK/BK	SEAT HEATER DRIVER



ELECTRIC  
BRAKE  
PROVISION

ELECTRIC BRAKE PROVISION - BLUE 4 WAY

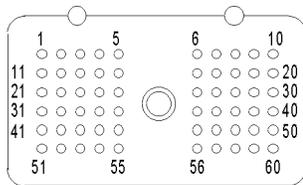
CAV	CIRCUIT	FUNCTION
1	Y133 14RD/OR	FUSED B(+)
2	B40 14LB	TRAILER TOW BRAKE B(+)
3	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
4	Z255 18DG/BK	GROUND



ELECTRONIC THROTTLE CONTROL MODULE (5.7L)

ELECTRONIC THROTTLE CONTROL MODULE (5.7L) - BLACK 6 WAY

CAV	CIRCUIT	FUNCTION
1	K22 18OR/DB	TP NO.1 SIGNAL
2	K7 18OR	5 VOLT SUPPLY
3	F888 18BR/PK	ETC MOTOR(+)
4	K122 18DB/GY	TP NO.2 SIGNAL
5	F855 18OR/PK	ETC MOTOR(-)
6	K101 18WT	TP SENSOR RETURN



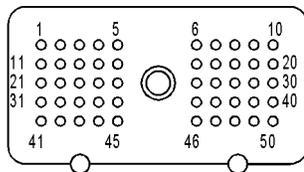
ENGINE CONTROL MODULE C1 (DIESEL)

ENGINE CONTROL MODULE - C1 (DIESEL) - 60 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	D1 18VT/BR	CCD BUS (+)
5	D2 18WT/BK	CCD BUS (-)
6	K65 18OR/RD	FUEL PUMP SUPPLY
7	K20 18DG	GENERATOR FIELD CONTROL
8	-	-
9	-	-
10	-	-
11	-	-
12	K102 18PK/BK	FUEL PRESSURE SENSOR SIGNAL
13	-	-
14	K232 18YL	APPS SIGNAL
15	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL
16	-	-
17	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
18	-	-
19	K31 18BR	FUEL PUMP RELAY CONTROL
20	-	-
21	-	-
22	G17 18WT/TN	SPEEDOMETER SIGNAL
23	K104 18RD/WT	SENSOR GROUND
24	K53 18DB/RD	HALL EFFECT
25	Y501 18DB/YL	5 VOLT SUPPLY
26	C18 18DB	A/C PRESSURE SIGNAL
27	K6 18VT/WT	5 VOLT SUPPLY
28	-	-
29	Y502 18DG/YL	INLET AIR TEMPERATURE/PRESSURE RETURN
30	K118 16WT/DB	BATTERY TEMPERATURE SENSOR SIGNAL
31	G20 18VT/YL	IGNITION SWITCH SENSE
32	K55 18LB/WT	MASS AIR FLOW SENSOR SIGNAL
33	K56 18LG/OR	APPS SENSOR RETURN
34	K49 18VT/BK	APPS IDLE SWITCH
35	-	-
36	K14 16RD/WT	FUEL INJECTOR NO. 4 DRIVER
37	-	-

ENGINE CONTROL MODULE - C1 (DIESEL) - 60 WAY

CAV	CIRCUIT	FUNCTION
38	-	-
39	-	-
40	K13 16TN	FUEL INJECTOR NO. 3 DRIVER
41	-	-
42	K900 18DB/DG	5 VOLT SUPPLY
43	K9 18LB	5 VOLT SUPPLY
44	K101 18WT	APPS NOT IDLE SWITCH
45	K62 18BR/DB	LETF PUMP
46	K58 16BR/DB	FUEL INJECTOR NO. 6 DRIVER
47	-	-
48	-	-
49	-	-
50	K12 16YL/WT	FUEL INJECTOR NO. 2 DRIVER
51	-	-
52	K167 18BR/YL	ACCELERATOR PEDAL POSITION SENSOR GROUND NO. 1
53	G910 18VT/RD	FUEL PRESSURE SENSOR SIGNAL RETURN
54	K72 18DG/OR	MAP SENSOR SIGNAL
55	-	-
56	K38 16GY	FUEL INJECTOR NO. 5 DRIVER
57	K92 16TN/PK	COIL ON PLUG DRIVER NO. 2
58	-	-
59	K91 16TN/RD	COIL ON PLUG DRIVER NO. 1
60	-	-



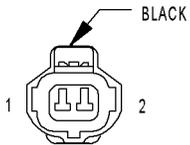
ENGINE CONTROL MODULE C2 (DIESEL)

ENGINE CONTROL MODULE - C2 (DIESEL) - 50 WAY

CAV	CIRCUIT	FUNCTION
1	K22 18DR/DB	THROTTLE POSITION SENSOR SIGNAL
2	K24 18WT/DG	CRANKSHAFT POSITION SENSOR SIGNAL
3	K69 18 BR/LB	INJECTOR CONTROL SIGNAL NO.1
4	-	-
5	K154 18GY	GLOW PLUG RELAY NO. 1 OUTPUT
6	K152 18WT	GLOW PLUG RELAY NO. 1 CONTROL
7	-	-
8	-	-
9	-	-
10	Y5 18OR	FAN SPEED SENSOR
11	G7 18WT/OR	VEHICLE SPEED SIGNAL
12	G60 18GY/YL	ENGINE OIL PRESSURE SWITCH SENSE
13	-	-
14	-	-
15	-	-
16	D21 18PK	SCI TRANSMIT
17	-	-
18	-	-
19	D20 18LG	SCI RECEIVE
20	A140 16DG/WT	FUSED B(+)
21	Z816 16BK/TN	GROUND
22	-	-
23	Y3 18WT	-
24	K4 18BK/LB	SENSOR GROUND
25	-	-
26	G8 18 LB/BK	FUEL LEVEL SENSOR SIGNAL
27	K77 18 BR/WT	TRANSFER CASE POSITION SENSOR INPUT

ENGINE CONTROL MODULE - C2 (DIESEL) - 50 WAY

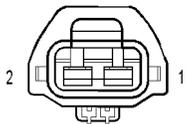
CAV	CIRCUIT	FUNCTION
28	D25 18VT/YL	PCI BUS
29	-	-
30	A140 16DG/WT	FUSED B(+)
31	-	-
32	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
33	-	-
34	-	-
35	K68 18BR/LG	INLET AIR PRESSURE SENSE
36	V32 18YL/RD	SPEED CONTROL SUPPLY
37	K29 18WT/PK	BRAKE SWITCH SENSE
38	-	-
39	-	-
40	A140 16BG/WT	FUSED B(+)
41	C13 18DB/OR	A/C CLUTCH RELAY CONTROL
42	-	-
43	Y1 18LG	PARK LOCKOUT SOLENOID CONTROL
44	-	-
45	-	-
46	V37 18RD/YL	S/C SWITCH SIGNAL
47	K118 18PK/YL	BATTERY TEMPERATURE SENSOR SIGNAL
48	-	-
49	Z816 16BK/TN	GROUND
50	Z816 16BK/TN	GROUND



ENGINE COOLANT TEMPERATURE SENSOR (3.7L/4.7L/5.7L)

ENGINE COOLANT TEMPERATURE SENSOR (3.7L/4.7L/5.7L) - BLACK 2 WAY

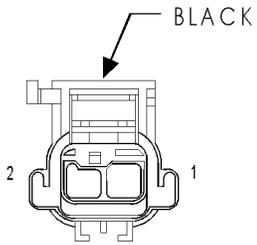
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
2	K2 18TN/BK (4.7L/5.7L)	ECT SIGNAL



ENGINE COOLANT TEMPERATURE SENSOR (DIESEL)

ENGINE COOLANT TEMPERATURE SENSOR (DIESEL) - 2 WAY

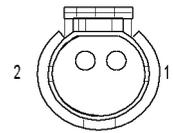
CAV	CIRCUIT	FUNCTION
1	K104 18RD/WT	SENSOR GROUND
2	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL



ENGINE  
OIL  
PRESSURE  
SENSOR

ENGINE OIL PRESSURE SWITCH - BLACK 2 WAY

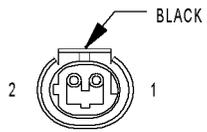
CAV	CIRCUIT	FUNCTION
1	G60 18GY/YL	ENGINE OIL PRESSURE SWITCH SENSE
2	-	-



EVAP/PURGE  
SOLENOID  
(EXCEPT NGC)

EVAP/PURGE SOLENOID (EXCEPT NGC) - 2 WAY

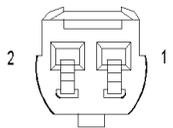
CAV	CIRCUIT	FUNCTION
1	K52 18PK/BK	EVAPORATIVE SOLENOID CONTROL
2	Y134 20GY/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)



EVAP/PURGE  
SOLENOID  
(NGC)

EVAP/PURGE SOLENOID (NGC) - BLACK 2 WAY

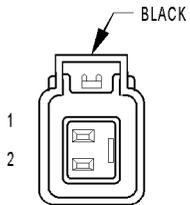
CAV	CIRCUIT	FUNCTION
1	K108 18WT/TN	EVAP PURGE RETURN
2	K52 18PK/BK	EVAP PURGE CONTROL



EVAPORATOR  
TEMPERATURE  
SENSOR

EVAPORATOR TEMPERATURE SENSOR - 2 WAY

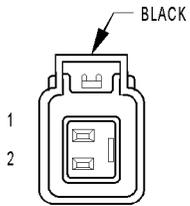
CAV	CIRCUIT	FUNCTION
1	C57 20DB/GY	SENSOR GROUND
2	C12 20LG/BK	EVAPORATOR TEMPERATURE SENSOR SIGNAL



FENDER LAMP - FRONT LEFT

FENDER LAMP-FRONT LEFT - BLACK 2 WAY

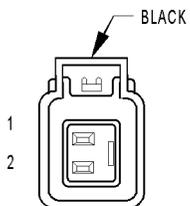
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z57 18BK	GROUND



FENDER LAMP - FRONT RIGHT

FENDER LAMP-FRONT RIGHT - BLACK 2 WAY

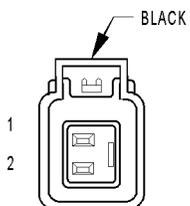
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z57 18BK	GROUND



FENDER LAMP - REAR LEFT

FENDER LAMP-REAR LEFT - BLACK 2 WAY

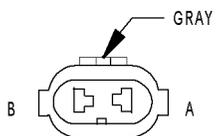
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z57 18BK	GROUND



FENDER LAMP - REAR RIGHT

FENDER LAMP-REAR RIGHT - BLACK 2 WAY

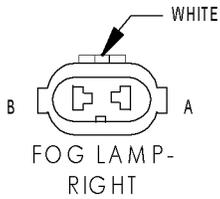
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z57 18BK	GROUND



FOG LAMP - LEFT

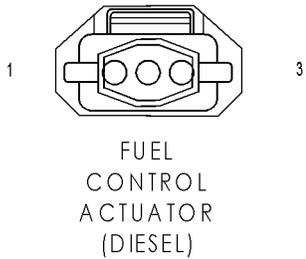
FOG LAMP-LEFT - GRAY 2 WAY

CAV	CIRCUIT	FUNCTION
A	Z144 18BK/OR	GROUND
B	L39 18/LB	FOG LAMP RELAY OUTPUT



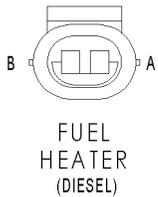
FOG LAMP-RIGHT - WHITE 2 WAY

CAV	CIRCUIT	FUNCTION
A	Z144 18BK/OR	GROUND
B	L39 18LB	FOG LAMP RELAY OUTPUT



FUEL CONTROL ACTUATOR (DIESEL) - 3 WAY

CAV	CIRCUIT	FUNCTION
1	K915 18VT/RD	FUEL RAIL SENSOR RETURN
2	K102 18PK/BK	FUEL PUMP DRIVER
3	K72 18DG/OR	5 VOLT SUPPLY



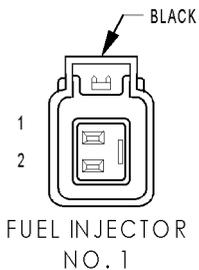
FUEL HEATER (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
A	A93 14RD/BK	FUEL HEATER RELAY OUTPUT
B	Z378 14BK	GROUND



FUEL INJECTOR NO. 1 (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	K91 14TN/RD	COMMON INJECTOR DRIVER
2	K11 14WT/DB	FUEL INJECTOR NO. 1 CONTROL



FUEL INJECTOR NO. 1 - BLACK 2 WAY

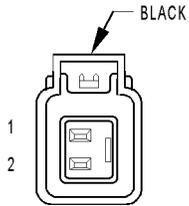
CAV	CIRCUIT	FUNCTION
1	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER
1	K11 18WT/DB (NGC)	INJECTOR CONTROL NO. 1
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR NO.2 (DIESEL)

FUEL INJECTOR NO. 2 (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	K91 14TN/RD	COMMON INJECTOR DRIVER
2	K12 14YL/WT	FUEL INJECTOR NO.1 CONTROL



FUEL INJECTOR NO. 2

FUEL INJECTOR NO. 2 - BLACK 2 WAY

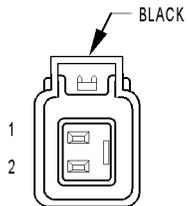
CAV	CIRCUIT	FUNCTION
1	K12 18TN	FUEL INJECTOR NO. 2 DRIVER
1	K12 18TN (NGC)	INJECTOR CONTROL NO. 2
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR NO.3 (DIESEL)

FUEL INJECTOR NO. 3 (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	K91 14TNRD	COMMON INJECTOR DRIVER
2	K13 14TN	FUEL INJECTOR NO. 3 CONTROL



FUEL INJECTOR NO. 3

FUEL INJECTOR NO. 3 - BLACK 2 WAY

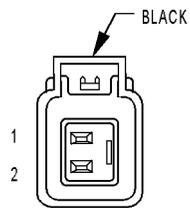
CAV	CIRCUIT	FUNCTION
1	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER
1	K13 18YL/WT (NGC)	INJECTOR CONTROL NO. 3
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR NO.4 (DIESEL)

FUEL INJECTOR NO. 4 (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	K92 14TN/PK	COMMON INJECTOR DRIVER
2	K14 14RD/WT	FUEL INJECTOR NO. 4 CONTROL



FUEL INJECTOR  
NO. 4

FUEL INJECTOR NO. 4 - BLACK 2 WAY

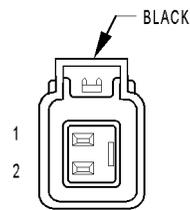
CAV	CIRCUIT	FUNCTION
1	K14 18LB/BR	FUEL INJECTOR NO. 4 DRIVER
1	K14 18LB/BR (NGC)	INJECTOR CONTROL NO. 4
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL  
INJECTOR  
NO.5  
(DIESEL)

FUEL INJECTOR NO. 5 (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	K92 14TN/PK	COMMON INJECTOR DRIVER
2	K38 14GY	FUEL INJECTOR NO. 5 CONTROL



FUEL INJECTOR  
NO. 5

FUEL INJECTOR NO. 5 - BLACK 2 WAY

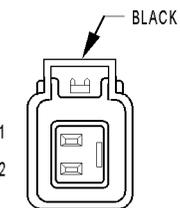
CAV	CIRCUIT	FUNCTION
1	K38 18GY	FUEL INJECTOR NO. 5 DRIVER
1	K38 18GY (NGC)	INJECTOR CONTROL NO. 5
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL  
INJECTOR  
NO.6  
(DIESEL)

FUEL INJECTOR NO. 6 (DIESEL) - 2 WAY

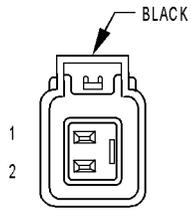
CAV	CIRCUIT	FUNCTION
1	K92 14TN/PK	COMMON INJECTOR DRIVER
2	K58 14BR/DB	FUEL INJECTOR NO. 6 CONTROL



FUEL INJECTOR  
NO. 6

FUEL INJECTOR NO. 6 - BLACK 2 WAY

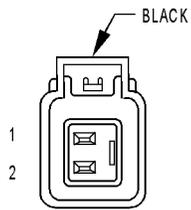
CAV	CIRCUIT	FUNCTION
1	K58 18BR/DB	FUEL INJECTOR NO. 6 DRIVER
1	K58 18BR/DB (NGC)	INJECTOR CONTROL NO. 6
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR  
NO. 7  
(4.7L/5.7L/5.9L/8.0L)

FUEL INJECTOR NO. 7 (4.7L/5.7L/5.9L/8.0L) - BLACK 2 WAY

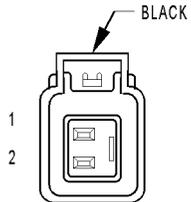
CAV	CIRCUIT	FUNCTION
1	K26 18VT/TN	FUEL INJECTOR NO. 7 DRIVER
1	K26 18VT/TN (NGC)	INJECTOR CONTROL NO. 7
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR  
NO. 8  
(4.7L/5.7L/5.9L/8.0L)

FUEL INJECTOR NO. 8 (4.7L/5.7L/5.9L/8.0L) - BLACK 2 WAY

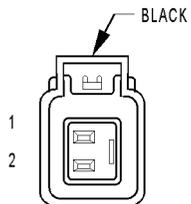
CAV	CIRCUIT	FUNCTION
1	K28 18GY/LB	FUEL INJECTOR NO. 8 DRIVER
1	K28 18GY/LB (NGC)	INJECTOR CONTROL NO. 8
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR  
NO. 9  
(8.0L)

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

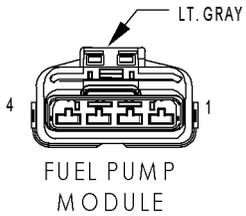
CAV	CIRCUIT	FUNCTION
1	K115 18TN	FUEL INJECTOR NO. 9 DRIVER
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR  
NO. 10  
(8.0L)

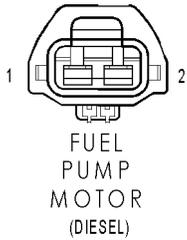
FUEL INJECTOR NO. 10 (8.0L) - BLACK 2 WAY

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



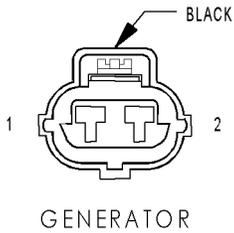
FUEL PUMP MODULE - LT GRAY 4 WAY

CAV	CIRCUIT	FUNCTION
1	Z211 18BK	GROUND
2	K4 18BK/LB	SENSOR GROUND
3	G8 18LB/BK	FUEL LEVEL SENSOR SIGNAL
4	A64 16DG/WT	FUEL PUMP RELAY OUTPUT



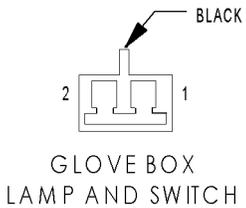
FUEL PUMP MOTOR (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	K31 18BR	FUEL PUMP SIGNAL RETURN
2	K65 18OR/RD	FUEL PUMP RELAY CONTROL



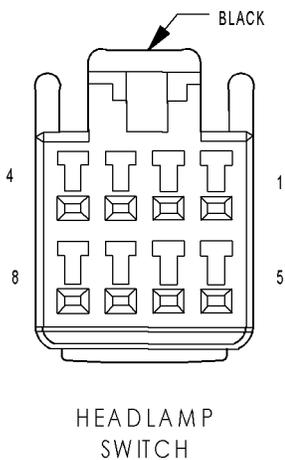
GENERATOR - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	K125 18WT/DB (JTEC/DIESEL)	GENERATOR SOURCE
1	K20 18DG (NGC)	GEN FIELD CONTROL
2	K20 18DG (JTEC/DIESEL)	GENERATOR FIELD CONTROL



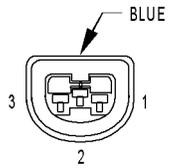
GLOVE BOX LAMP AND SWITCH - BLACK 2 WAY

CAV	CIRCUIT	FUNCTION
1	M11 20PK/LB	COURTESY LAMP GROUND
2	F32 20RD/YL	FUSED B(+)



HEADLAMP SWITCH - BLACK 8 WAY

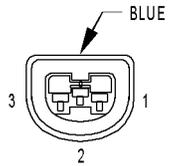
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	Y163 20OR/WT	HEADLAMP SWITCH ILLUMINATION CONTROL
4	Z214 20LB/BK	GROUND
5	L39 20LB	FOG LAMP RELAY OUTPUT
6	Y111 20VT/WT	PANEL LAMPS DIMMER SIGNAL
7	Y167 20WT/DB	HEADLAMP SWITCH RETURN
8	Y126 20VT/YL	HEADLAMP SWITCH SIGNAL



HEADLAMP-LEFT

HEADLAMP-LEFT - BLUE 3 WAY

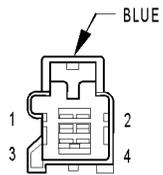
CAV	CIRCUIT	FUNCTION
1	Y171 18WT/DG	LEFT LOW BEAM OUTPUT
2	Z141 18BK/LB	GROUND
3	Y170 18WT/LG	LEFT HIGH BEAM OUTPUT



HEADLAMP-RIGHT

HEADLAMP-RIGHT - BLUE 3 WAY

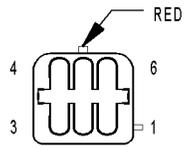
CAV	CIRCUIT	FUNCTION
1	Y169 18WT/TN	RIGHT LOW BEAM OUTPUT
2	Z142 18BK/LG	GROUND
3	Y168 18WT/LB	RIGHT HIGH BEAM OUTPUT



HEATED SEAT CUSHION-PASSENGER

HEATED SEAT CUSHION-PASSENGER - BLUE 4 WAY

CAV	CIRCUIT	FUNCTION
1	P142 20TN/DB	PASSENGER SEAT TEMPERATURE SENSOR INPUT
2	Z121 20BK/WT	GROUND
3	P144 20BK/LG	PASSENGER SEAT TEMPERATURE 5 VOLT SUPPLY
4	P86 20PK/BK	SEAT HEATER DRIVER

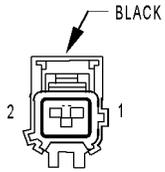


HEATED SEAT SWITCH-DRIVER

HEATED SEAT SWITCH-DRIVER - RED 6 WAY

CAV	CIRCUIT	FUNCTION
1	P137 20VT/DG	DRIVER SEAT LOW HEAT LED DRIVER
2	Y161 20OR/RD	PANEL LAMPS FEED
3	Z259 20BK/LG	GROUND
4	P131 20RD/DG	HEATED SEAT SWITCH SUPPLY
5	P139 20VT/WT	DRIVER SEAT HIGH HEAT LED DRIVER
6	P133 20TN/DG	DRIVER SEAT HEATER MUX SWITCH

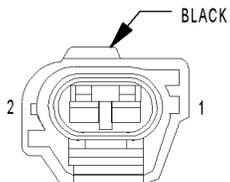




IDLE AIR CONTROL MOTOR (NGC)

IDLE AIR CONTROL MOTOR (NGC) - BLACK 2 WAY

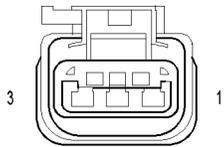
CAV	CIRCUIT	FUNCTION
1	K60 18YL/BK	IAC RETURN
2	K39 18GY/RD	IAC MOTOR CONTROL



IGNITION COIL (5.9L)

IGNITION COIL (5.9L) - BLACK 2 WAY

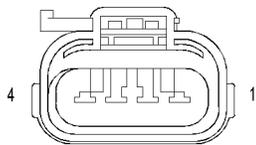
CAV	CIRCUIT	FUNCTION
1	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K19 18BK/GY	IGNITION COIL NO. 1 DRIVER



IGNITION COIL LEFT (8.0L)

IGNITION COIL-LEFT (8.0L) - 3 WAY

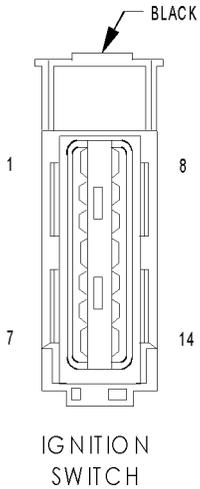
CAV	CIRCUIT	FUNCTION
1	K17 18DB/TN	IGNITION COIL NO. 8 DRIVER
2	A142 14DG/OR	AUTO SHUT DOWN RELAY OUTPUT
3	K32 18YL/GY	IGNITION COIL NO. 4 DRIVER



IGNITION COIL RIGHT (8.0L)

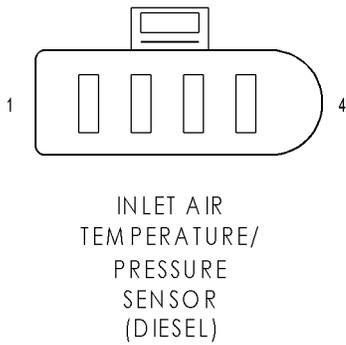
IGNITION COIL-RIGHT (8.0L) - 4 WAY

CAV	CIRCUIT	FUNCTION
1	K19 18BK/GY	IGNITION COIL NO. 1 DRIVER
2	A142 14DG/OR	AUTO SHUT DOWN RELAY OUTPUT
3	K18 18RD/YL	IGNITION COIL NO. 3 DRIVER
4	K43 18DG/GY	IGNITION COIL NO. 6 DRIVER



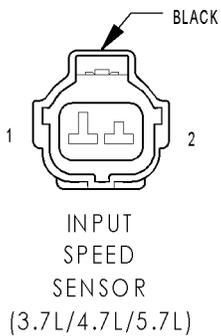
IGNITION SWITCH - BLACK 14 WAY

CAV	CIRCUIT	FUNCTION
1	A2 12PK/BK	FUSED B(+)
2	A51 16RD/WT	FUSED B(+)
3	A21 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
4	A1 16RD	FUSED B(+)
5	G26 20LB	KEY-IN IGNITION SWITCH SENSE
6	Z42 20BK/DG	GROUND
7	A22 16BK/OR	FUSED B(+)
8	C1 12DG	BLOWER MOTOR FEED
9	A31 14DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
10	F1 10BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
11	Y131 14RD/WT	FUSED B(+)
12	A30 10CK/WT	FUSED B(+)
13	A41 16YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
14	A38 16OR	FUSED IGNITION SWITCH OUTPUT (RUN)



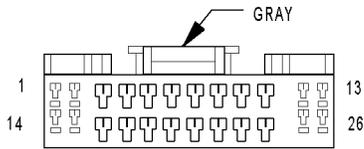
INLET AIR TEMPERATURE/ PRESSURE SENSOR (DIESEL) - 4 WAY

CAV	CIRCUIT	FUNCTION
1	Y502 18DG/YL	INLET AIR TEMPERATURE/PRESSURE RETURN
2	Y523 18VT/WT	INLET AIR TEMPERATURE SENSE
3	Y501 18DB/YL	SUPPLY VOLTAGE
4	Y503 18GY/BR	INLET AIR PRESSURE SENSE



INPUT SPEED SENSOR (3.7L/4.7L/5.7L) - BLACK 2 WAY

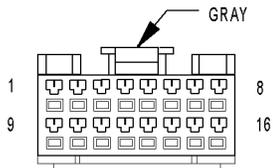
CAV	CIRCUIT	FUNCTION
1	T52 18RD/BK	INPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



INSTRUMENT CLUSTER C1

INSTRUMENT CLUSTER C1 - GRAY 26 WAY

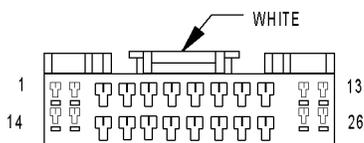
CAV	CIRCUIT	FUNCTION
1	F35 18RD	FUSED B(+)
2	Y200 18TN/VT	DOOR LOCK DRIVER RIGHT DOORS
3	Y204 18OR/WT	BTSI SOLENOID CONTROL
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	G10 20LG/RD	SEAT BELT SWITCH SENSE
11	Y156 18TN/WT	DOOR UNLOCK DRIVER RIGHT DOORS
12	Y201 18TN/OR	DOOR UNLOCK DRIVER LEFT REAR
13	Z105 18TN/BK	GROUND
14	F35 18RD	FUSED B(+)
15	Y157 18TN/PK	DOOR LOCK DRIVER LEFT DOORS
16	-	-
17	X3 20BK/RD	HORN SWITCH SENSE
18	G75 20TN	DRIVER DOOR AJAR SWITCH SENSE
19	G77 20VT/OR	LEFT REAR DOOR AJAR SWITCH SENSE
20	G76 20TN/YL	RIGHT REAR DOOR AJAR SWITCH SENSE
21	G74 20TN/RD	PASSENGER DOOR AJAR SWITCH SENSE
22	-	-
23	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
24	G26 20LB	KEY-IN IGNITION SWITCH SENSE
25	P55 18DB	DOOR UNLOCK DRIVER LEFT FRONT
26	-	-



INSTRUMENT CLUSTER C2

INSTRUMENT CLUSTER C2 - GRAY 16 WAY

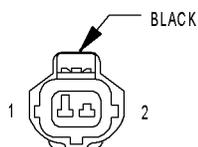
CAV	CIRCUIT	FUNCTION
1	Y109 20VT/OR	WASH/BEAM SELECT SWITCH FEED
2	P96 20WT/LG	PASSENGER DOOR LOCK SWITCH MUX
3	P97 20WT/DG	DRIVER DOOR LOCK SWITCH MUX
4	Y111 20VT/WT	PANEL LAMPS DIMMER SIGNAL
5	Y126 20VT/YL	HEADLAMP SWITCH RETURN
6	G72 20DG/OR	PASSENGER CYLINDER LOCK SWITCH MUX
7	G73 20LG/OR	DRIVER CYLINDER LOCK SWITCH MUX
8	Y110 20WT/VT	TURN LAMPS SWITCH FEED
9	-	-
10	-	-
11	V8 20VT	INTERMITENT WIPER SWITCH SENSE
12	X20 20GY/WT (PREMIUM)	RADIO CONTROL MUX
13	-	-
14	Y193 20YL/RD	TRANS RANGE SENSOR MUX
15	-	-
16	-	-



INSTRUMENT CLUSTER C3

INSTRUMENT CLUSTER C3 - WHITE 26 WAY

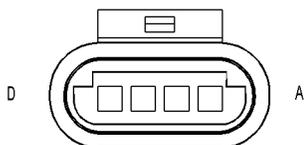
CAV	CIRCUIT	FUNCTION
1	M3 20 PK/DB	CARGO LAMP DRIVER
2	-	-
3	M20 20BR	COURTESY LAMP DRIVER
4	M11 20PK/LB	COURTESY LAMP GROUND
5	-	-
6	Y165 20OR/YL	PANEL LAMPS DRIVER
7	-	-
8	Y108 20VT/BR	WIPER/TURN/BEAM SELECT SWITCH RETURN
9	Y167 20WT/DB	HEADLAMP SWITCH RETURN
10	Y128 20DG/GY	TRANS RANGE SENSOR ELECTRONIC CLUSTER 5 VOLT SUPPLY
11	Z202 20LB/BK	GROUND
12	Z203 20VT/BK	GROUND
13	Y105 20BK/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
14	E1 20TN	FUSED B(+)
15	P131 20RD/DG (ELECTRIC 4X4)	HEATED SEAT SWITCH SUPPLY
16	Y189 20OR/BK (SLT+)	PANEL LAMPS FEED
17	Y161 20OR/RD (ELECTRIC 4X4)	PANEL LAMPS FEED
18	Y163 20OR/WT	HEADLAMP SWITCH ILLUMINATION CONTROL
19	Y166 20OR/DB	PANEL LAMPS DRIVER
20	-	-
21	D25 20VT/YL	PCI BUS
22	G11 20WT/LG	PARK BRAKE SWITCH SENSE
23	Z106 20LG/BK	GROUND
24	A51 16RD/WT	IGNITION SWITCH OUTPUT (OFF-RUN-START)
25	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
26	M1 18PK	FUSED B(+)



INTAKE AIR TEMPERATURE SENSOR

INTAKE AIR TEMPERATURE SENSOR - BLACK 2 WAY

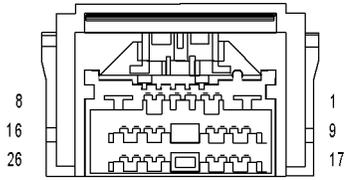
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL



INTAKE AIR TEMPERATURE/ MANIFOLD ABSOLUTE PRESSURE SENSOR (DIESEL)

INTAKE AIR TEMPERATURE/MANIFOLD ABSOLUTE PRESSURE SENSOR (DIESEL) - 4 WAY

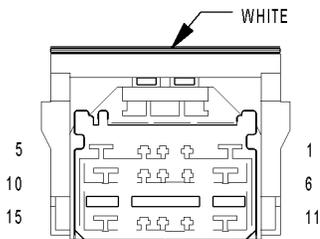
CAV	CIRCUIT	FUNCTION
A	K55 18LB/WT	MAP SENSOR SIGNAL
B	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL
C	K72 18DG/OR	5 VOLT SUPPLY
D	K9 18LB	5 VOLT SUPPLY



INTEGRATED POWER MODULE C1

INTEGRATED POWER MODULE C1 - 26 WAY

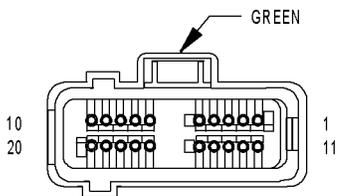
CAV	CIRCUIT	FUNCTION
1	A112 12RD/TN (DIESEL)	FUSED B(+)
1	A17 16RD/BK (EXCEPT DIESEL)	FUSED B(+)
2	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	A20 20RD/DB	FUSED IGNITION SWITCH OUTPUT (RUN)
5	Y141 18DG/WT	TRAILER TOW LEFT TURN RELAY OUTPUT
6	-	-
7	Y140 18WT/PK	TRAILER TOW RIGHT TURN RELAY OUTPUT
8	Y131 14RD/WT	FUSED B(+)
9	M1 18PK	FUSED B(+)
10	L7 18BK/YL	TRAILER TOW RELAY OUTPUT
11	A21 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
12	F35 18RD	FUSED B(+)
13	F32 20RD/YL	FUSED B(+)
14	X2 18DG/RD	HORN RELAY OUTPUT
15	A64 16DG/WT (EXCEPT 4.7L)	FUEL PUMP RELAY OUTPUT
16	A108 18TN/RD	FUSED B(+)
17	L76 18BK/OR	FUSED PARK LAMP RELAY OUTPUT
18	F32 18RD/YL	FUSED B(+)
19	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
20	-	-
21	-	-
22	-	-
23	Y145 18DB/YL	CONDENSER FAN RELAY CONTROL
24	-	-
25	--	-
26	-	-



INTEGRATED POWER MODULE C2

INTEGRATED POWER MODULE C2 - WHITE 15 WAY

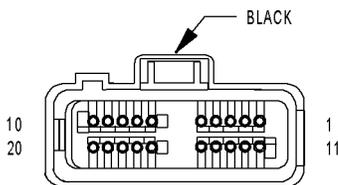
CAV	CIRCUIT	FUNCTION
1	A30 10RD/WT (EXCEPT BASE)	FUSED B(+)
2	A34 16LB/RD (ETC)	FUSED B(+)
3	Y148 18YL/RD	FUSED B(+)
4	A61 16DG/BK (3.9L/5.7L/5.9L)	FUEL PUMP RELAY OUTPUT
5	F37 12RD/LB (EXCEPT BASE)	FUSED B(+)
6	A2 10PK/BK	FUSED B(+)
7	A14 20RD/WT	FUSED B(+)
8	A10 14RD/DG	FUSED B(+)
9	A12 18RD/TN	FUSED B(+)
10	A22 16BK/OR	FUSED B(+)
11	-	-
12	F30 18RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
13	F75 18VT (EXCEPT BASE)	FUSED B(+)
14	A1 16RD	FUSED B(+)
15	-	-



INTEGRATED  
POWER  
MODULE C3

INTEGRATED POWER MODULE C3 - GREEN 20 WAY

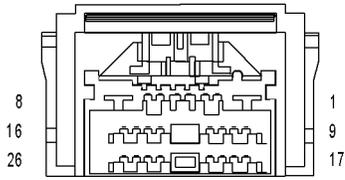
CAV	CIRCUIT	FUNCTION
1	V10 20BR	WASHER PUMP MOTOR SENSE
2	L62 18BR/RD	RIGHT REAR TURN LAMP DRIVER
3	Z21 18BK/LG	GROUND
4	D25 20VT/PK	PCI BUS
5	Z12 18BK/TN	GROUND
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	L1 18VT/BK	BACKUP LAMP FEED
12	-	-
13	-	-
14	G31 20VT/LG (EXCEPT BASE)	AMBIENT TEMPERATURE SENSOR SIGNAL
15	-	-
16	L61 18LG	LEFT FRONT TURN LAMP DRIVER
17	L24 18WT/LG	LEFT STOP LAMP DRIVER
18	L63 18DG/RD	LEFT REAR TURN LAMP DRIVER
19	L60 18LG/TN	RIGHT FRONT TURN LAMP DRIVER
20	Y137 20VT/LB	SENSOR GROUND



INTEGRATED  
POWER  
MODULE C4

INTEGRATED POWER MODULE C4 - BLACK 20 WAY

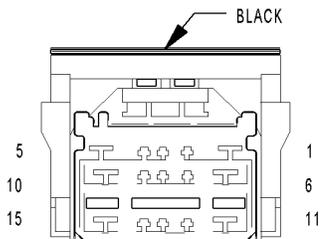
CAV	CIRCUIT	FUNCTION
1	Z2 18BK/LG	GROUND
2	L22 18LB/WT	RIGHT STOP LAMP DRIVER
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	Y134 20GY/RD (3.7L/5.9L)	FUSED IGNITION SWITCH OUTPUT (RUN-START)
11	K173 20LG (DIESEL)	GROUND
12	V5 20DG	WIPER PARK SWITCH SENSE
13	-	-
14	-	-
15	G29 20BK/TN	WASHER FLUID SWITCH SENSE
16	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
17	-	-
18	-	-
19	-	-
20	-	-



INTEGRATED POWER MODULE C5

INTEGRATED POWER MODULE C5 - 26 WAY

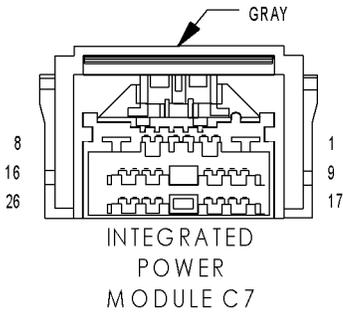
CAV	CIRCUIT	FUNCTION
1	A38 16OR	FUSED IGNITION SWITCH OUTPUT (RUN)
2	K173 18LG (GAS EXCEPT 5.9L)	GROUND
2	K173 18LG (5.9L)	GROUND
2	K173 20LG (DIESEL)	GROUND
3	-	-
4	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
5	C23 16DG	CONDENSER FAN RELAY OUTPUT
6	F15 20DB (DIESEL)	FUSED IGNITION SWITCH OUTPUT (RUN)
7	G115 20YL/WT (DIESEL)	FUSED B(+)
8	Z316 12BK/OR	GROUND
9	-	-
10	-	-
11	C13 18DB/OR	A/C COMPRESSOR CLUTCH RELAY CONTROL
12	-	-
13	A42 18DG (CALIFORNIA)	OXYGEN SENSOR DOWNSTREAM RELAY OUTPUT
14	Z114 18BK/LG (DIESEL)	GROUND
14	Y145 20DB/YL (EXCEPT DIESEL)	
15	A17 16RD/BK (EXCEPT DIESEL)	
15	Y135 18LG/BK (DIESEL)	FUSED IGNITION SWITCH OUTPUT (RUN-START)
16	K30 18PK	TRANSMISSION CONTROL RELAY CONTROL
17	F121 16TN/BK	HEATED MIRROR RELAY OUTPUT
18	C3 18DB/BK	A/C COMPRESSOR CLUTCH RELAY OUTPUT
19	-	-
20	-	-
21	C16 20LB/YL	HEATED MIRROR RELAY CONTROL
22	V4 16RD/YL	WIPER RELAY HIGH SPEED OUTPUT
23	F23 18DB/YL	FUSED B(+)
24	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
25	-	-
26	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN)
26	Y106 20OR/RD (ELECTRIC TRANSFER CASE)	FUSED IGNITION SWITCH OUTPUT (RUN)



INTEGRATED POWER MODULE C6

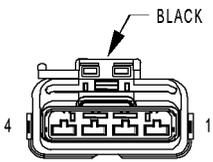
INTEGRATED POWER MODULE C6 - BLACK 15 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	Y133 14RD/OR	FUSED B(+)
3	-	-
4	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	A93 12RD/BK (DIESEL)	FUEL HEATER RELAY OUTPUT
10	C23 16DG (EXCEPT DIESEL)	
11	A112 12RD/TN (DIESEL)	FUSED B(+)
11	A17 16RD/BK (EXCEPT DIESEL)	
12	A31 14BK/WT	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
13	-	-
14	T16 14RD	TRANSMISSION CONTROL RELAY OUTPUT
15	-	-



INTEGRATED POWER MODULE C7 - GRAY 26 WAY

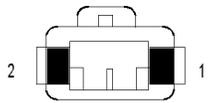
CAV	CIRCUIT	FUNCTION
1	T40 14BR	STARTER MOTOR RELAY OUTPUT
2	V3 16BR/WT	WIPER RELAY LOW SPEED OUTPUT
3	Y105 20BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
4	F235 18RD	FUSED B(+)
5	-	-
6	Y171 18WT/DG	LEFT LOW BEAM DRIVER
7	Y168 18WT/LB	RIGHT HIGH BEAM DRIVER
8	-	-
9	A64 16DG/WT	FUEL PUMP RELAY OUTPUT
10	-	-
11	K51 20DB/YL	AUTO SHUT DOWN RELAY CONTROL
12	K127 18DB/OR (CALIFORNIA)	OXYGEN SENSOR DOWNSTREAM RELAY CONTROL
13	-	-
14	-	-
15	Y170 18WT/LG	LEFT HIGH BEAM DRIVER
16	Y153 18DB/RD	ADJUSTABLE PEDAL RELAY OUTPUT
17	-	-
18	-	-
19	K31 20BR	-
20	L39 18LB (FOG LAMPS)	FOG LAMP RELAY OUTPUT
21	A41 16YL	FUSED IGNITION SWITCH OUTPUT (START)
22	Y169 18WT/TN	RIGHT LOW BEAM DRIVER
23	T24 20BR/YL (EXCEPT NGC)	PARK/NEUTRAL POSITION SWITCH SENSE (T41)
23	T752 18DG/OR (NGC)	
24	E1 20TN	FUSED B(+)
25	A141 18DG/WT (EXCEPT NGC)	FUSED AUTO SHUT DOWN RELAY OUTPUT
26	-	-



KNOCK SENSOR (3.7L) - BLACK 4 WAY

CAV	CIRCUIT	FUNCTION
1	K73 18YL/BK	KNOCK SENSOR NO. 1 SIGNAL
2	K4 18BK/LB	SENSOR GROUND
3	K74 18BR/VT	KNOCK SENSOR NO. 2 SIGNAL
4	K4 18BK/LB	SENSOR GROUND

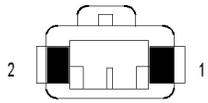
KNOCK SENSOR  
(3.7L)



KNOCK  
SENSOR-  
LEFT  
(5.7L)

KNOCK SENSOR-LEFT (5.7L) - BLACK 2 WAY

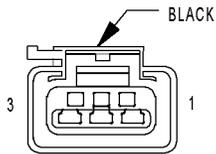
CAV	CIRCUIT	FUNCTION
1	K73 18YL/BK	KNOCK SENSOR NO. 1 SIGNAL
2	Y205 18BR/WT	KNOCK SIGNAL RETURN



KNOCK  
SENSOR-  
RIGHT  
(5.7L)

KNOCK SENSOR-RIGHT (5.7L) - BLACK 2 WAY

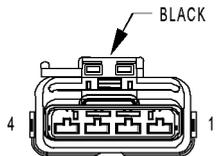
CAV	CIRCUIT	FUNCTION
1	K74 18BR/VT	KNOCK SENSOR NO. 2 SIGNAL
2	Y206 18DB/VT	KNOCK SIGNAL RETURN



LEAK DETECTION  
PUMP  
(NGC)

LEAK DETECTION PUMP (NGC) - BLACK 3 WAY

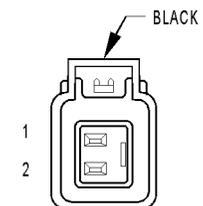
CAV	CIRCUIT	FUNCTION
1	Z54 18BK/PK	GROUND
2	K107 18OR	NVLD SWITCH SIGNAL
3	K106 18WT/DG	NVLD SOLENOID CONTROL



LEAK DETECTION  
PUMP

LEAK DETECTION PUMP - BLACK 4 WAY

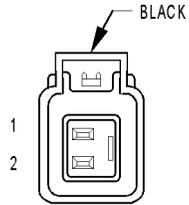
CAV	CIRCUIT	FUNCTION
1	-	-
2	K125 18WT/DB	GENERATOR SOURCE
3	K106 18WT/DG	LEAK DETECTION PUMP SWITCH SENSE
4	K107 18OR	LEAK DETECTION PUMP SOLENOID CONTROL



LICENSE LAMP-  
LEFT

LICENSE LAMP-LEFT - BLACK 2 WAY

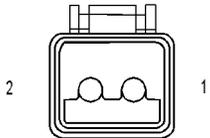
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z53 18BK	GROUND



LICENSE LAMP-  
RIGHT

LICENSE LAMP-RIGHT - BLACK 2 WAY

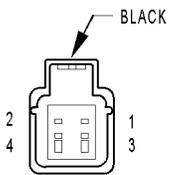
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z53 18BK	GROUND



LIFT  
PUMP  
MOTOR  
(DIESEL)

LIFT PUMP MOTOR (DIESEL) - 2 WAY

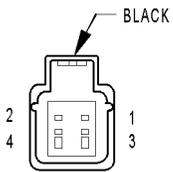
CAV	CIRCUIT	FUNCTION
1	K62 18BK/OR	LIFT PUMP FEED
2	Z11 18BK/WT	GROUND



LINE  
PRESSURE  
SENSOR  
(3.7L/5.7L)

LINE PRESSURE SENSOR (3.7L/5.7L) - BLACK 4 WAY

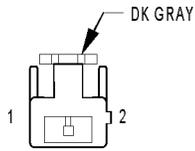
CAV	CIRCUIT	FUNCTION
1	Z113 18BK	GROUND
2	T39 18GY/LB	5 VOLT SUPPLY
3	T38 18VT/TN	LINE PRESSURE SENSOR SIGNAL
4	-	-



LINE  
PRESSURE  
SENSOR  
(4.7L)

LINE PRESSURE SENSOR (4.7L) - BLACK 4 WAY

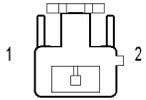
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K6 18VT/WT	5 VOLT SUPPLY
3	T38 18VT/TN	LINE PRESSURE SENSOR SIGNAL
4	-	-



LUMBAR MOTOR-DRIVER

LUMBAR MOTOR-DRIVER - DK GRAY 2 WAY

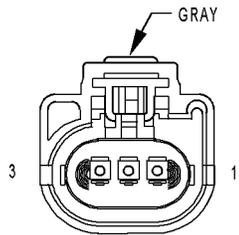
CAV	CIRCUIT	FUNCTION
1	P106 12DG/WT	LUMBAR MOTOR FORWARD
2	P107 12OR/BK	LUMBAR MOTOR REARWARD



LUMBAR MOTOR-PASSENGER

LUMBAR MOTOR-PASSENGER - 2 WAY

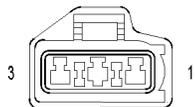
CAV	CIRCUIT	FUNCTION
1	P105 12LG/DB	LUMBAR MOTOR FORWARD
2	P104 12YL/LB	LUMBAR MOTOR REARWARD



MANIFOLD ABSOLUTE PRESSURE SENSOR (3.7L/4.7L/5.7L)

MANIFOLD ABSOLUTE PRESSURE SENSOR (3.7L/4.7L/5.7L) - GRAY 3 WAY

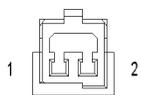
CAV	CIRCUIT	FUNCTION
1	K1 18DG/RD	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
2	K4 18BK/LB	SENSOR GROUND
2	K4 20BK/LB (NGC)	SENSOR GROUND
3	K7 18OR	5 VOLT SUPPLY
3	K6 18VT/WT (NGC)	5 VOLT SUPPLY



MANIFOLD ABSOLUTE PRESSURE SENSOR (5.9L/8.0L)

MANIFOLD ABSOLUTE PRESSURE SENSOR (5.9L/8.0L) - 3 WAY

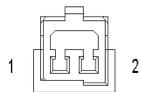
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
1	K7 18OR (8.0L)	5 VOLT SUPPLY
2	K1 18DG/RD	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
2	K4 18BK/LB (8.0L)	SENSOR GROUND
3	K1 18DG/RD (8.0L)	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
3	K7 18OR	5 VOLT SUPPLY



MODE DOOR ACTUATOR 1 (PANEL TO FLOOR)

MODE DOOR ACTUATOR 1 (PANEL TO FLOOR) - 2 WAY

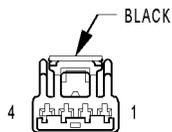
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C35 20DG/YL	MODE DOOR 1 DRIVER



MODE DOOR ACTUATOR 2 (DEFROST TO FLOOR)

MODE DOOR ACTUATOR 2 (DEFROST TO FLOOR) - 2 WAY

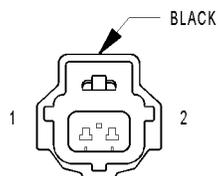
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C33 20DB/RD	MODE DOOR 2 DRIVER



MULTI-FUNCTION SWITCH

MULTI-FUNCTION SWITCH - BLACK 4 WAY

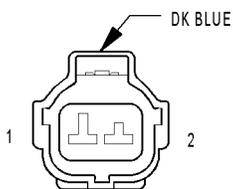
CAV	CIRCUIT	FUNCTION
1	Y109 20VT/OR	WASH/BEAM SELECT SWITCH SIGNAL
2	Y108 20VT/BR	WIPER/TURN/BEAM SELECT SWITCH RETURN
3	Y110 20WT/VT	TURN LAMPS SWITCH SIGNAL
4	V8 20VT	INTERMITTENT WIPER SWITCH SIGNAL



OUTPUT SPEED SENSOR (3.7L/4.7L/5.7L)

OUTPUT SPEED SENSOR (3.7L/4.7L/5.7L) - BLACK 2 WAY

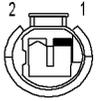
CAV	CIRCUIT	FUNCTION
1	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



OUTPUT SPEED SENSOR (5.9L)

OUTPUT SPEED SENSOR (5.9L) - DK BLUE 2 WAY

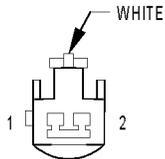
CAV	CIRCUIT	FUNCTION
1	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



OUTPUT SPEED SENSOR (DIESEL)

OUTPUT SPEED SENSOR (DIESEL) - 2 WAY

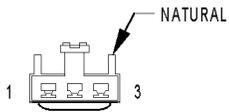
CAV	CIRCUIT	FUNCTION
1	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



OVERDRIVE SWITCH

OVERDRIVE SWITCH - WHITE 2 WAY

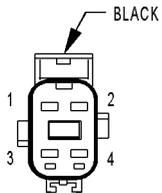
CAV	CIRCUIT	FUNCTION
1	T6 20OR/WT	OVERDRIVE OFF SWITCH SENSE
2	Z71 20BK/TN	GROUND



OVERHEAD MAP/READING LAMP (EXCEPT BASE)

OVERHEAD MAP/READING LAMP (EXCEPT BASE) - NATURAL 3 WAY

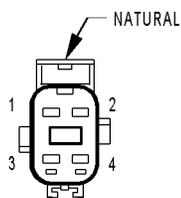
CAV	CIRCUIT	FUNCTION
1	M11 20PK/LB	COURTESY LAMP GROUND
2	F32 18RD/YL	FUSED B(+)
3	M20 20BR	COURTESY LAMP DRIVER



OXYGEN SENSOR 1/1 UPSTREAM

OXYGEN SENSOR 1/1 UPSTREAM - BLACK 4 WAY

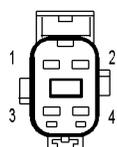
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	FUSED AUTO SHUT DOWN RELAY OUTPUT
1	K41 18BK/DG (NGC)	O2 1/1 HEATER CONTROL
2	Z192 18BK/WT (NGC)	GROUND
2	K199 18BR/VT	OXYGEN SENSOR 1/1 HEATER CONTROL
3	K4 18BK/LB	SENSOR GROUND
3	Y213 18PK/LB (NGC)	O2 UPSTREAM RETURN
4	K99 18BR/OR (NGC)	O2 1/1 SIGNAL
4	K41 18BK/DG	OXYGEN SENSOR 1/1 SIGNAL



OXYGEN SENSOR  
1/2 DOWNSTREAM

OXYGEN SENSOR 1/2 DOWNSTREAM - NATURAL 4 WAY

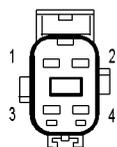
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT (EXCEPT CALIFORNIA)	FUSED AUTO SHUT DOWN RELAY OUTPUT
1	A42 18DG (CALIFORNIA)	OXYGEN SENSOR RELAY OUTPUT
1	K199 18BR/VT (NGC)	O2 1/2 HEATER CONTROL
2	Z188 18BK/LB (NGC)	SENSOR GROUND
2	Z193 18BK/WT (CALIFORNIA)	GROUND
2	K299 18BR/WT (EXCEPT CALIFORNIA)	OXYGEN SENSOR 1/2 HEATER CONTROL
3	K4 18BK/LB	SENSOR GROUND
3	K904 18BR/DG (NGC)	O2 RETURN DOWNSTREAM
4	K141 18TN/WT (NGC)	O2 1/2 SIGNAL
4	K141 18TN/WT	OXYGEN SENSOR 1/2 SIGNAL



OXYGEN SENSOR  
2/1 UPSTREAM  
(CALIFORNIA 4.7L/  
CALIFORNIA 5.9L)

OXYGEN SENSOR 2/1 UPSTREAM (CALIFORNIA 4.7L/CALIFORNIA 5.9L) - 4 WAY

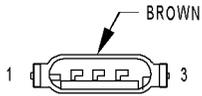
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	FUSED AUTO SHUT DOWN RELAY OUTPUT
1	K299 18BR/WT (NGC)	O2 2/1 HEATER CONTROL
2	Z193 18BK/DG (NGC)	GROUND
2	K299 18BR/WT	OXYGEN SENSOR 2/1 HEATER CONTROL
3	K4 18BK/LB	SENSOR GROUND
3	Y213 18PK/LB (NGC)	O2 UPSTREAM RETURN
4	K241 18LG/RD (NGC)	O2 2/1 SIGNAL
4	K241 18LG/RD	OXYGEN SENSOR 2/1 SIGNAL



OXYGEN SENSOR  
2/2 DOWNSTREAM  
(CALIFORNIA 4.7L/  
CALIFORNIA 5.9L)

OXYGEN SENSOR 2/2 DOWNSTREAM (CALIFORNIA 4.7L/CALIFORNIA 5.9L) - 4 WAY

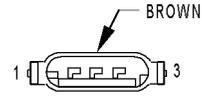
CAV	CIRCUIT	FUNCTION
1	A42 18DG	OXYGEN SENSOR DOWNSTREAM RELAY OUTPUT
1	K399 18BR/GY (NGC)	O2 2/2 HEATER CONTROL
2	Z186 18BK/LB (NGC)	GROUND
2	Z192 18RD	GROUND
3	K4 18DB	SENSOR GROUND
3	K904 18BR/DG (NGC)	O2 RETURN DOWNSTREAM
4	K341 18TN/WT (NGC)	O2 2/2 SIGNAL
4	K341 18OR	OXYGEN SENSOR 2/2 SIGNAL



PARK/TURN SIGNAL LAMP-LEFT FRONT

PARK/TURN SIGNAL LAMP-LEFT FRONT - BROWN 3 WAY

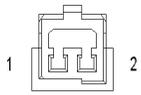
CAV	CIRCUIT	FUNCTION
1	L61 18LG	LEFT FRONT TURN LAMP DRIVER
2	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
3	Z148 18DB/BK	GROUND



PARK/TURN SIGNAL LAMP-RIGHT FRONT

PARK/TURN SIGNAL LAMP-RIGHT FRONT - BROWN 3 WAY

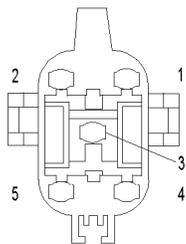
CAV	CIRCUIT	FUNCTION
1	L60 18LG/TN	RIGHT FRONT TURN LAMP DRIVER
2	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
3	Z147 18BK/LB	GROUND



PASSENGER BLEND DOOR ACTUATOR (DUAL-ZONE)

PASSENGER BLEND DOOR ACTUATOR (DUAL-ZONE) - 2 WAY

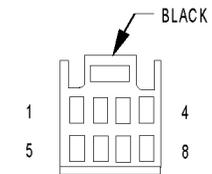
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C46 20YL/LG	PASSENGER BLEND DOOR DRIVER



PASSENGER LUMBAR SWITCH

PASSENGER LUMBAR SWITCH - 5 WAY

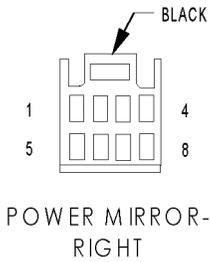
CAV	CIRCUIT	FUNCTION
1	Z238 18BK	GROUND
2	P104 12YL/LB	LUMBAR MOTOR REARWARD
3	F37 12RD/LB	FUSED B(+)
4	P105 12LG/DB	LUMBAR MOTOR FORWARD
5	Z238 18BK	GROUND



POWER MIRROR-LEFT

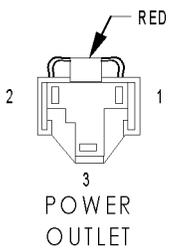
POWER MIRROR-LEFT - BLACK 8 WAY

CAV	CIRCUIT	FUNCTION
1	F121 18TN/BK	HEATED MIRROR RELAY OUTPUT
2	P76 20OR/YL	LEFT MIRROR COMMON DRIVER (RIGHT/DOWN)
3	P75 20DB/WT	LEFT MIRROR LEFT DRIVER
4	P71 20YL	LEFT MIRROR UP DRIVER
5	Z310 20BK/OR	GROUND
6	-	-
7	-	-
8	-	-



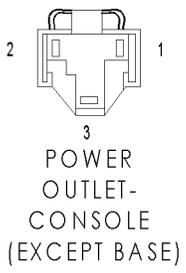
POWER MIRROR-RIGHT - BLACK 8 WAY

CAV	CIRCUIT	FUNCTION
1	F121 18TN/BK	HEATED MIRROR RELAY OUTPUT
2	P76 20OR/YL	LEFT MIRROR COMMON DRIVER (RIGHT/DOWN)
3	P74 20DB	RIGHT MIRROR LEFT DRIVER
4	P72 20YL/BK	RIGHT MIRROR UP DRIVER
5	Z311 20BK/LB	GROUND
6	-	-
7	-	-
8	-	-



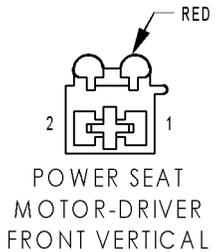
POWER OUTLET - RED 3 WAY

CAV	CIRCUIT	FUNCTION
1	A12 18RD/TN	FUSED B(+)
2	-	-
3	Z300 18BK/LB	GROUND



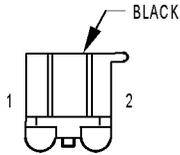
POWER OUTLET-CONSOLE (EXCEPT BASE) - 3 WAY

CAV	CIRCUIT	FUNCTION
1	Y148 18BR/YL	FUSED B(+)
2	-	-
3	Z300 18BK/WT	GROUND



POWER SEAT MOTOR-DRIVER FRONT VERTICAL - RED 2 WAY

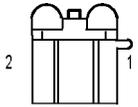
CAV	CIRCUIT	FUNCTION
1	P21 12RD/LG	LEFT SEAT FRONT DOWN
2	P19 12YL/LG	LEFT SEAT FRONT UP



POWER SEAT  
MOTOR-DRIVER  
HORIZONTAL

POWER SEAT MOTOR-DRIVER HORIZONTAL - BLACK 2 WAY

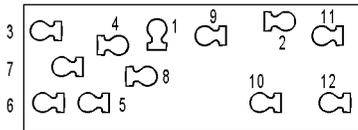
CAV	CIRCUIT	FUNCTION
1	P17 12RD/LB	LEFT SEAT HORIZONTAL REARWARD
2	P15 12YL/LB	LEFT SEAT HORIZONTAL FORWARD



POWER SEAT  
MOTOR-DRIVER  
REAR VERTICAL

POWER SEAT MOTOR-DRIVER REAR VERTICAL - 2 WAY

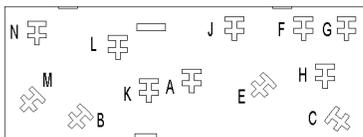
CAV	CIRCUIT	FUNCTION
1	P12 12RD/WT'	RIGHT SEAT REAR DOWN
2	P10 12YL/WT	RIGHT SEAT REAR UP



POWER SEAT  
SWITCH-DRIVER

POWER SEAT SWITCH-DRIVER - 12 WAY

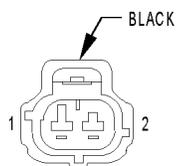
CAV	CIRCUIT	FUNCTION
1	F37 12RD/LB	FUSED B(+)
2	Z238 14BK	GROUND
3	P106 12DG/WT	LUMBAR MOTOR FORWARD
4	P13 12RD/WT	LEFT SEAT REAR DOWN
5	P107 12OR/BK	LUMBAR MOTOR REARWARD
6	Z88 14BK/LB	GROUND
7	F37 12RD/LB	FUSED B(+)
8	P11 12YL/WT	LEFT SEAT REAR UP
9	P17 12RD/LB	LEFT SEAT HORIZONTAL REARWARD
10	P15 12YL/LB	LEFT SEAT HORIZONTAL FORWARD
11	P21 12RD/LG	LEFT SEAT FRONT DOWN
12	P19 12YL/LG	LEFT SEAT FRONT UP



POWER SEAT  
SWITCH-PASSENGER

POWER SEAT SWITCH-PASSENGER - 12 WAY

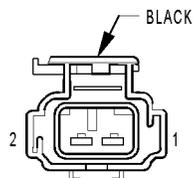
CAV	CIRCUIT	FUNCTION
A	F37 12RD/LB	FUSED B(+)
B	Z238 14BK	GROUND
C	P104 12YL/LB	LUMBAR MOTOR REARWARD
E	P10 12YL/WT	RIGHT SEAT REAR DOWN
F	P105 12LG/DB	LUMBAR MOTOR FORWARD
G	Z238 14BK	GROUND
H	F37 12RD/LB	FUSED B(+)
J	P12 12RD/WT	RIGHT SEAT REAR UP
K	P16 12RD/LB	RIGHT SEAT HORIZONTAL REARWARD
L	P14 12YL/LB	RIGHT SEAT HORIZONTAL FORWARD
M	P18 12YL/LG	RIGHT SEAT FRONT DOWN
N	P20 12RD/LG	RIGHT SEAT FRONT UP



POWER STEERING PRESSURE SWITCH (3.7L/4.7L/5.7L)

POWER STEERING PRESSURE SWITCH (3.7L/4.7L/5.7L) - BLACK 2 WAY

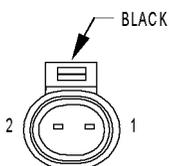
CAV	CIRCUIT	FUNCTION
1	Z244 20BK/DG	GROUND
2	S28 18YL/BK	P/S SWITCH SIGNAL



POWER WINDOW MOTOR-DRIVER

POWER WINDOW MOTOR-DRIVER - BLACK 2 WAY

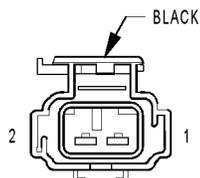
CAV	CIRCUIT	FUNCTION
1	Q21 14WT	LEFT FRONT WINDOW DRIVER (DOWN)
2	Q11 14LB	LEFT FRONT WINDOW DRIVER (UP)



POWER WINDOW MOTOR-LEFT REAR

POWER WINDOW MOTOR-LEFT REAR - BLACK 2 WAY

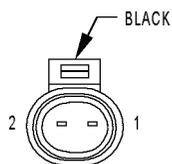
CAV	CIRCUIT	FUNCTION
1	Q23 14RD/WT	DRIVER REAR WINDOW DRIVER (DOWN)
2	Q13 14DB	DRIVER REAR WINDOW DRIVER (UP)



POWER WINDOW MOTOR-PASSENGER

POWER WINDOW MOTOR-PASSENGER - BLACK 2 WAY

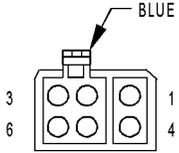
CAV	CIRCUIT	FUNCTION
1	Q22 14VT	RIGHT FRONT WINDOW DRIVER (DOWN)
2	Q12 14BR	RIGHT FRONT WINDOW DRIVER (UP)



POWER WINDOW MOTOR-RIGHT REAR

POWER WINDOW MOTOR-RIGHT REAR - BLACK 2 WAY

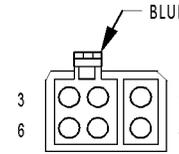
CAV	CIRCUIT	FUNCTION
1	Q24 14RD/WT	PASSENGER REAR WINDOW DRIVER (DOWN)
2	Q12 14DB	PASSENGER REAR WINDOW DRIVER (UP)



POWER WINDOW SWITCH-LEFT REAR

POWER WINDOW SWITCH-LEFT REAR - BLUE 6 WAY

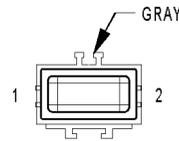
CAV	CIRCUIT	FUNCTION
1	Q13 14DB	DRIVER REAR WINDOW DRIVER (UP)
2	Q27 14RD/BK	LEFT REAR WINDOW DRIVER (DOWN)
3	-	-
4	Q17 14DB/WT	LEFT REAR WINDOW DRIVER (UP)
5	Q23 14RD/WT	DRIVER REAR WINDOW DRIVER (DOWN)
6	Q1 14YL	POWER WINDOW SWITCH FEED



POWER WINDOW SWITCH-RIGHT REAR

POWER WINDOW SWITCH-RIGHT REAR - BLUE 6 WAY

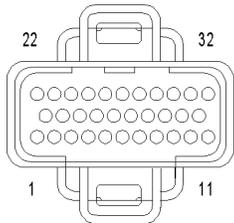
CAV	CIRCUIT	FUNCTION
1	Q12 14DB	PASSENGER REAR WINDOW DRIVER (UP)
2	Q28 14RD/BK	RIGHT REAR WINDOW DRIVER (DOWN)
3	-	-
4	Q18 14DB/WT	RIGHT REAR WINDOW DRIVER (UP)
5	Q24 14RD/WT	PASSENGER REAR WINDOW DRIVER (DOWN)
6	Q1 14YL	POWER WINDOW SWITCH FEED



POWER WINDOW-CIRCUIT BREAKER

POWER WINDOW-CIRCUIT BREAKER - GRAY 2 WAY

CAV	CIRCUIT	FUNCTION
1	F1 10DB	IGNITION SWITCH OUTPUT (RUN-ACC)
2	F21 12TN	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)



POWERTRAIN CONTROL MODULE C1 (DIESEL)

POWERTRAIN CONTROL MODULE - C1 (DIESEL) - 32 WAY

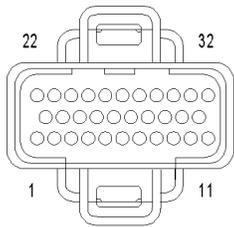
CAV	CIRCUIT	FUNCTION
1	-	-
2	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	K914 18VT/RD	SENSOR GROUND
5	-	-
6	T24 18GY/BK	PARK/NEUTRAL POSITION SWITCH SENSE (T41)
7	-	-
8	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	A14 18RD/WT	FUSED B(+)
23	K22 18OR/DB	ACCELERATOR PEDAL POSITION SENSOR SIGNAL

POWERTRAIN CONTROL MODULE - C1 (DIESEL) - 32 WAY

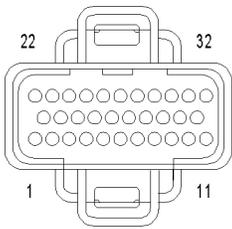
CAV	CIRCUIT	FUNCTION
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	Z82 14BK/TN	GROUND
32	Z81 14BK/TN	GROUND

POWERTRAIN CONTROL MODULE - C2 (DIESEL) - 32 WAY

CAV	CIRCUIT	FUNCTION
1	T54 18VT	TRANSMISSION TEMPERATURE SENSOR SIGNAL
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	K88 18VT/WT	GOVERNOR PRESSURE SOLENOID CONTROL
9	-	-
10	-	-
11	K54 18OR/BK	TORQUE CONVERTER CLUTCH SOLENOID CONTROL
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	T60 18BR	3-4 SHIFT SOLENOID CONTROL
22	-	-
23	-	-
24	-	-
25	T13 18DB/BK	SPEED SENSOR GROUND
26	-	-
27	G7 18WT/OR	VEHICLE SPEED SIGNAL
28	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
29	T25 18LG/RD	GOVERNOR PRESSURE SENSOR SIGNAL
30	K30 18PK	TRANSMISSION CONTROL RELAY CONTROL
31	K6 18VT/WT	5 VOLT SUPPLY
32	-	-



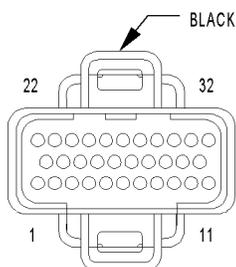
POWERTRAIN  
CONTROL  
MODULE C2  
(DIESEL)



POWERTRAIN  
CONTROL  
MODULE C3  
(DIESEL)

POWERTRAIN CONTROL MODULE - C3 (DIESEL) - 32 WAY

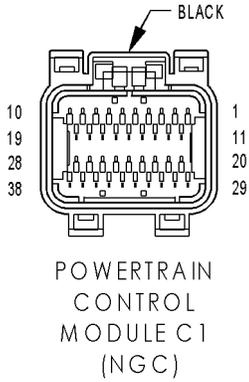
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	V36 18TN/RD	SPEED CONTROL VACUUM SOLENOID CONTROL
5	V35 18LG/RD	SPEED CONTROL VENT SOLENOID CONTROL
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	V32 18YL/RD	SPEED CONTROL SUPPLY
12	T16 14RD	TRANSMISSION CONTROL RELAY OUTPUT
13	T6 18OR/WT	OVERDRIVE OFF SWITCH SENSE
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	K29 18WT/PK	BRAKE SWITCH SENSE
25	-	-
26	-	-
27	D15 18WT/DG	SCI TRANSMIT
28	-	-
29	D6 18PK/LB	SCI RECEIVE
30	D25 18VT/BR	PCI BUS
31	-	-
32	V37 18RD/LG	SPEED CONTROL SWITCH SIGNAL



POWERTRAIN  
CONTROL  
MODULE C1  
(JTEC)

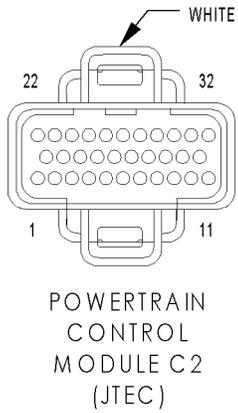
POWERTRAIN CONTROL MODULE C1 (JTEC) - BLACK 32 WAY

CAV	CIRCUIT	FUNCTION
1	K93 18TN/OR (3.7L)	COIL DRIVER NO. 3
1	K18 18RD/YL (8.0L)	IGNITION COIL NO.1 DRIVER
2	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	K94 18TN/LG (3.7L)	COIL DRIVER NO. 4
3	K32 18YL/GY (8.0L)	IGNITION COIL NO.4 DRIVER
4	K4 18BK/LB	SENSOR GROUND
5	K96 18TN/LB (3.7L)	COIL DRIVER NO. 6
5	K43 18DG/GY (8.0L)	IGNITION COIL NO.5 DRIVER
6	T24 18BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE (T41)
7	K91 18TN/RD (3.7L)	COIL DRIVER NO. 1
7	K19 18BK/GY (5.9L/8.0L)	IGNITION COIL NO. 1 DRIVER
8	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
9	K98 18LB/RD (4.7L)	COIL DRIVER NO. 8
9	K17 18DB/TN (8.0L)	IGNITION COIL NO. 2 DRIVER
10	K39 18GY/RD	IDLE AIR CONTROL NO. 3 DRIVER
11	K60 18YL/BK	IDLE AIR CONTROL NO. 2 DRIVER
12	S28 18YL/BK (3.7L)	POWER STEERING PRESSURE SWITCH SIGNAL
13	G113 18OR (5.9L)	PTO SWITCH SENSE
13	A41 14YL (3.7L)	FUSED IGNITION SWITCH OUTPUT (RUN-START)
14	K77 18BR/WT (5.9L) (MANUAL TRANSFER CASE)	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	5 VOLT SUPPLY
18	K44 18TN/YL	CAMSHAFT POSITION SENSOR SIGNAL
19	K59 18VT/BK	IDLE AIR CONTROL NO. 4 DRIVER
20	K40 18BR/WT	IDLE AIR CONTROL NO. 1 DRIVER
21	K95 18TN/DG (3.7L)	COIL DRIVER NO. 5
22	A14 18RD/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 (CALIFORNIA)	OXYGEN SENSOR 2/1 SIGNAL
27	K1 18DG/RD	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
28	-	-
29	K341 18TN/WT (CALIFORNIA)	OXYGEN SENOR 2/2 SIGNAL
30	-	-
31	Z82 14BK/TN	GROUND
32	Z81 14BK/TN	GROUND



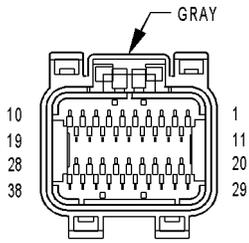
POWERTRAIN CONTROL MODULE C1 (NGC) - BLACK 38 WAY

CAV	CIRCUIT	FUNCTION
1	K98 18LB/RD	COIL CONTROL NO.8
2	-	-
3	K97 18BR	COIL CONTROL NO.7
4	K28 18GY/LB	INJECTOR CONTROL NO.8
5	K26 18VT/TN	INJECTOR CONTROL NO.7
6	-	-
7	-	-
8	B222 20DG/WT (5.7L)	VEHICLE SPEED SIGNAL NO. 2
9	Z81 16BK/TN	GROUND
10	-	-
11	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT
12	A51 16RD/WT (4.7)	FUSED IGNITION SWITCH OUTPUT (OFF-RUN-START)
12	Y135 LG/BK (5.7)	FUSED IGNITION SWITCH OUTPUT
13	B22 20DG/YL (5.7L)	VEHICLE SPEED SIGNAL NO.1
13	G7 18WT/OR (4.7L)	VEHICLE SPEED SIGNAL
14	-	-
15	-	-
16	-	-
17	-	-
18	Z82 16BK/TN	GROUND
19	-	-
20	G60 18GY/YL	OIL PRESSURE SIGNAL
21	C18 18DB	A/C PRESSURE SIGNAL
22	G31 18VT/LG	AAT SIGNAL
23	-	-
24	-	-
25	D20 18LG	SCI RECEIVE (PCM)
26	D6 18PK/LB	SCI RECEIVE (TCM)
27	K6 18VT/WT (4.7L)	5-VOLT SUPPLY
28	-	-
29	A14 20RD/WT	FUSED B+
30	A41 16YL	FUSED IGNITION SWITCH OUTPUT
31	K141 18TN/WT	O2 1/2 SIGNAL
32	Y213 18PK/LB	O2 RETURN UPSTREAM
33	K341 18TN/WT (4.7L)	O2 2/2 SIGNAL
34	-	-
35	-	-
36	D21 18PK	SCI TRANSMIT (PCM)
37	D15 18WT/DG (4.7L)	SCI TRANSMIT (TCM)
38	D25 20VT/BR	PCI BUS



POWERTRAIN CONTROL MODULE C2 (JTEC) - WHITE 32 WAY

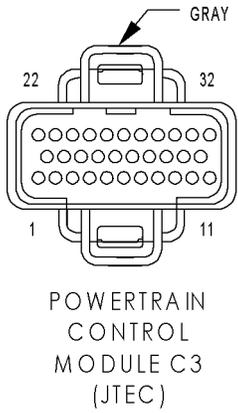
CAV	CIRCUIT	FUNCTION
1	T54 18VT (5.9L/8.0L)	TRANSMISSION TEMPERATURE SENSOR SIGNAL
2	K26 18VT/TN (5.9L/8.0L)	FUEL INJECTOR NO. 7 DRIVER
3	K115 18TN (8.0L)	FUEL INJECTOR NO.9 DRIVER
4	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER
5	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER
6	K38 18GY	FUEL INJECTOR NO. 5 DRIVER
7	K97 18BR (4.7L)	COIL DRIVER NO. 7
8	K88 18VT/WT (5.9L)	GOVERNOR PRESSURE SOLENOID CONTROL
9	K92 18TN/PK (3.7L)	COIL DRIVER NO. 2
10	K20 18DG	GENERATOR FIELD
11	K54 18OR/BK (5.9L)	TORQUE CONVERTER CLUTCH SOLENOID CONTROL
12	K58 18BR/DB	FUEL INJECTOR NO. 6 DRIVER
13	K28 18GY/LB (5.9L/8.0L)	FUEL INJECTOR NO. 8 DRIVER
14	K116 18WT/DB (8.0L)	FUEL INJECTOR NO.10 DRIVER
15	K12 18TN	FUEL INJECTOR NO. 2 DRIVER
16	K14 18LB/BR	FUEL INJECTOR NO. 4 DRIVER
17	Y145 18DB/YL	CONDENSER FAN RELAY CONTROL
18	-	-
19	C18 18DB	A/C PRESSURE SIGNAL
20	-	-
21	T60 18BR (5.9L/8.0L)	3-4 SHIFT SOLENOID CONTROL
22	-	-
23	G60 18GY/YL	ENGINE OIL PRESSURE SENSOR SIGNAL
24	-	-
25	T13 18DB/BK (5.9L/8.0L)	SPEED SENSOR GROUND
26	-	-
27	G7 18WT/OR	VEHICLE SPEED SIGNAL
28	T14 18LG/WT (5.9L/8.0L)	OUTPUT SPEED SENSOR SIGNAL
29	T25 18LG/RD (5.9L/8.0L)	GOVERNOR PRESSURE SENSOR SIGNAL
30	K30 18PK (5.9L/8.0L)	TRANSMISSION CONTROL RELAY CONTROL
31	K6 18VT/WT	5 VOLT SUPPLY
32	-	-



POWERTRAIN  
CONTROL  
MODULE C2  
(NGC)

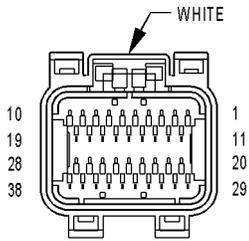
POWERTRAIN CONTROL MODULE C2 (NGC) - GRAY 38 WAY

CAV	CIRCUIT	FUNCTION
1	K96 18TN/LB	COIL CONTROL NO.6
2	K95 18TN/DG	COIL CONTROL NO.5
3	K94 18TN/LG	COIL CONTROL NO.4
4	K58 18BR/DB	INJECTOR CONTROL NO.6
5	K38 18GY	INJECTOR CONTROL NO.5
6	F888 18BR/PK (5.7L)	ETC MOTOR (+) CONTROL
7	K93 18TN/OR	COIL CONTROL NO.3
8	-	-
9	K92 18TN/PK	COIL CONTROL NO.3
10	K91 18TN/RD	COIL CONTROL NO.1
11	K14 18LB/BR	INJECTOR CONTROL NO.4
12	K13 18YL/WT	INJECTOR CONTROL NO.3
13	K12 18TN	INJECTOR CONTROL NO.2
14	K11 18WT/DB	INJECTOR CONTROL NO.1
15	K101 18WT (5.7L)	TP SENSOR RETURN
16	-	-
17	K299 18BR/WT (4.7L)	O2 2/1 HEATER CONTROL
18	K41 18DK/DG	O2 1/1 HEATER CONTROL
19	K20 18DG	GEN FIELD CONTROL
20	K2 18TN/BK	ECT SIGNAL
21	K22 18OR/DB	TP NO.1 SIGNAL
22	-	-
23	K1 18DG/RD	MAP SIGNAL
24	Y205 18BR/WT (5.7L)	KNOCK SENSOR NO.1 RETURN
25	K73 18YL/BK (5.7L)	KNOCK SENSOR NO. 1 SIGNAL
26	K77 18BR/WT	TRANSFER CASE POSITION SENSOR INPUT
27	K4 18BK/LB	SENSOR GROUND
28	K60 18YL/BK (4.7L)	IAC SIGNAL
28	K122 18DB/GY (5.7L)	TP NO.2 SIGNAL
29	K7 18OR	5 VOLT SUPPLY
30	K21 18BK/RD	IAT SIGNAL
31	K99 18BR/OR	O2 1/1 SIGNAL
32	K902 18BR/DG	O2 RETURN DOWNSTREAM
33	K241 18LG/RD (4.7L)	O2 2/1 SIGNAL
34	K44 18TN/YL	CMP SIGNAL
35	K24 18GY/BK	CKP SIGNAL
36	K74 18BR/VT (5.7L)	KNOCK SENSOR NO. 2 SIGNAL
37	Y206 18DB/VT (5.7L)	KNOCK SENSOR NO.2 RETURN
38	K39 18GY/RD	IAC CONTROL
38	F855 18OR/PK (5.7L)	ETC MOTOR (-) CONTROL



POWERTRAIN CONTROL MODULE C3 (JTEC) - GRAY 32 WAY

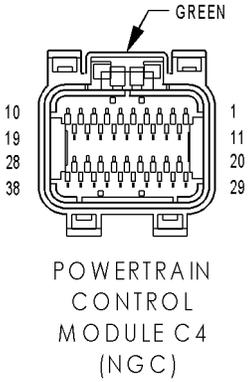
CAV	CIRCUIT	FUNCTION
1	C13 18DB/OR	A/C CLUTCH RELAY CONTROL
2	-	-
3	K51 18DB/YL	AUTO SHUT DOWN RELAY CONTROL
4	V36 18TN/RD	SPEED CONTROL VACUUM SOLENOID CONTROL
5	V35 18LG/RD	SPEED CONTROL VENT SOLENOID CONTROL
6	-	-
7	K73 18YL/BK (3.7L)	KNOCK SENSOR NO. 1 SIGNAL
8	K199 18BR/VT	OXYGEN SENSOR 1/1 HEATER CONTROL
9	K127 18DB/OR	OXYGEN SENSOR DOWNSTREAM RELAY CONTROL
10	K106 18WT/DG	LEAK DETECTION PUMP SWITCH SENSE
11	V32 18YL/RD	SPEED CONTROL SUPPLY
12	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
13	T6 18OR/WT (5.9L)	OVERDRIVE OFF SWITCH SENSE
13	T10 18YL/DG (5.9L DIESEL)	TORQUE MANAGEMENT REQUEST SENSE
14	K107 18OR	LEAK DETECTION PUMP SOLENOID CONTROL
15	K118 18PK/YL	BATTERY TEMPERATURE SENSOR SIGNAL
16	K299 18BR/WT (CALIFORNIA)	OXYGEN SENSOR 2/1 HEATER CONTROL
16	K299 18BR/WT (EXCEPT CALIFORNIA)	OXYGEN SENSOR 1/2 HEATER CONTROL
17	-	-
18	K74 18BR/VT (3.7L)	KNOCK SENSOR NO. 2 SIGNAL
19	K31 18BR	FUEL PUMP RELAY CONTROL
20	K52 18PK/BK	EVAPORATIVE EMISSION SOLENOID CONTROL
21	-	-
22	-	-
23	-	-
24	K29 18WT/PK	BRAKE SWITCH SENSE
25	K125 18WT/DB	GENERATOR SOURCE
26	G8 18LB/BK	FUEL LEVEL SENSOR SIGNAL
27	D21 18PK	SCI TRANSMIT
28	-	-
29	D20 18LG	SCI RECEIVE
30	D25 18VT/BR	PCI BUS
31	-	-
32	V37 18RD/LG	SPEED CONTROL SWITCH SIGNAL



POWERTRAIN  
CONTROL  
MODULE C3  
(NGC)

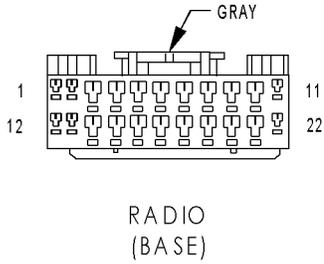
POWERTRAIN CONTROL MODULE C3 (NGC) - WHITE 38 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	K51 20DB/YL	ASD RELAY CONTROL
4	-	-
5	V35 18LG/RD (4.7L)	S/C VENT CONTROL
6	Y145 20DB/YL	CONDENSER FAN RELAY CONTROL
7	V32 20YL/RD (4.7L)	S/C POWER SUPPLY
8	K106 18WT/DG (4.7L)	NVLD SOLENOID CONTROL
9	K199 18BR/VT	O2 1/2 HEATER CONTROL
10	K399 18BR/GY (4.7L)	O2 2/2 HEATER CONTROL
11	C13 20DB/OR	A/C CLUTCH RELAY CONTROL
12	V36 18TN/RD (4.7L)	S/C VACUUM CONTROL
13	-	-
14	V32 20YL/RD (5.7L)	BRAKE SWITCH NO.2 SIGNAL
15	Y215 20YL/PK (5.7L)	S/C SWITCH RETURN
16	K223 18PK/DB (5.7L)	APPS NO.1 RETURN
17	K981 18BR/DG (5.7L)	APPS NO.2 RETURN
18	V38 20VT/OR (5.7L)	S/C SWITCH NO.2 SIGNAL
19	A142 16DG/OR	ASD RELAY OUTPUT
20	K108 18WT/TN	EVAP PURGE SOL SIGNAL
21	T24 20BR/YL	TRS T24 SENSE (P/N SENSE)
22	G113 18OR	PTO SWITCH SENSE
23	K29 18WT/PK	BRAKE SWITCH SIGNAL
24	-	-
25	K255 18WT/DG (5.7L)	APPS NO.1 SIGNAL
26	-	-
27	-	-
28	A142 16DG/OR	ASD RELAY OUTPUT
29	K52 18PK/BK	EVAP PURGE SOL CONTROL
30	S28 18YL/BK	P/S SWITCH SIGNAL
31	-	-
32	K118 18PK/YL	BATT TEMP SIGNAL
33	G8 18LB/BK	FUEL LEVEL SIGNAL
34	V37 18RD/LG	S/C SWITCH NO.1 SIGNAL
35	K107 18OR	NVLD SWITCH SIGNAL
36	K81 18DB/DG (5.7L)	APPS NO.2 SIGNAL
37	K31 18BR	FUEL PUMP RELAY CONTROL
38	T752 18DG/OR	STARTER RELAY CONTROL



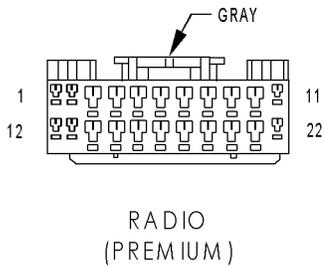
POWERTRAIN CONTROL MODULE C4 (NGC) - GREEN 38 WAY

CAV	CIRCUIT	FUNCTION
1	T60 18BR (4.7L)	OVERDRIVE SOLENOID CONTROL
2	T159 18DG/WT (4.7L)	4C SOLENOID CONTROL
3	Y207 18RD/WT (5.7L)	TPS NO. 1 OUTPUT
4	T140 18VT/LG (4.7L)	PRESSURE CONTROL SOLENOID CONTROL
5	Y208 18DB/YL (5.7L)	APPS NO. 1 OUTPUT
6	T119 18WT/DB (4.7L)	2C SOLENOID CONTROL
7	T10 18YL/DG (5.7L)	TORQUE MANAGEMENT REQUEST SENSE
8	T59 18PK (4.7L)	UNDERDRIVE SOLENOID CONTROL
9	Y209 18TN/BK (5.7L)	SENSOR GROUND
10	T120 18LG (4.7L)	LR SOLENOID CONTROL
11	T118 18YL/DB (4.7L)	PRESSURE CONTROL SOLENOID CONTROL
11	Y210 18YL/RD (5.7L EATX)	RPM SIGNAL
12	Z13 16BK/RD (4.7L)	GROUND
13	Z13 16BK/RD (4.7L)	GROUND
14	Z13 16BK/RD (4.7L)	GROUND
15	T1 18LG/BK (4.7L)	TRS T1 SENSE
16	T3 18VT (4.7L)	TRS T3 SENSE
17	T6 18OR/WT (4.7L)	OVERDRIVE OFF SWITCH SENSE
18	K30 18PK (4.7L)	TRANSMISSION CONTROL RELAY CONTROL
19	T16 16RD (4.7L)	TRANSMISSION CONTROL RELAY OUTPUT
20	T48 18DB (4.7L)	4C PRESSURE SWITCH SENSE
21	T29 18GY (4.7L)	UNDERDRIVE PRESSURE SWITCH SENSE
22	T9 18OR/BK (4.7L)	OVERDRIVE PRESSURE SWITCH SENSE
23	-	-
24	-	-
25	-	-
26	T4 18PK/OR (4.7L)	TRS T2 SENSE
27	-	-
28	T16 16RD (4.7L)	TRANSMISSION CONTROL RELAY OUTPUT
29	T50 18DG (4.7L)	LOW/REVERSE PRESSURE SWITCH SENSE
30	T147 18LB (4.7L)	2C PRESSURE SWITCH SENSE
31	T38 18VT/TN (4.7L)	LINE PRESSURE SENSOR SIGNAL
32	T14 18LG/WT (4.7L)	OUTPUT SPEED SENSOR SIGNAL
33	T52 18RD/BK (4.7L)	INPUT SPEED SENSOR SIGNAL
34	T13 18DB/BK (4.7L)	SPEED SENSOR GROUND
35	T54 18VT (4.7L)	TRANSMISSION TEMPERATURE SENSOR SIGNAL
36	-	-
37	T42 18VT/WT (4.7L)	TRS T42 SENSE
38	T16 16RD (4.7L)	TRANSMISSION CONTROL RELAY OUTPUT



RADIO (BASE) - GRAY 22 WAY

CAV	CIRCUIT	FUNCTION
1	M1 18PK	FUSED B(+)
2	Y105 20BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
3	Y166 20OR/DB	PANEL LAMPS DRIVER
4	-	-
5	-	-
6	-	-
7	X82 18LB/VT	RIGHT FRONT DOOR SPEAKER (+)
8	X80 18LB/BK	RIGHT FRONT DOOR SPEAKER (-)
9	X85 18LG/DG	LEFT FRONT DOOR SPEAKER (-)
10	X87 18LG/RD	LEFT FRONT DOOR SPEAKER (+)
11	Z9 18BK/DG	GROUND
12	M1 18PK	FUSED B(+)
13	-	-
14	D25 20VT/LB	PCI BUS
15	-	-
16	-	-
17	-	-
18	X93 18WT/RD	LEFT REAR SPEAKER (+)
19	X91 18WT/BK	LEFT REAR SPEAKER (-)
20	X92 18TN/BK	RIGHT REAR SPEAKER (-)
21	X94 18TN/VT	RIGHT REAR SPEAKER (+)
22	Z9 18BK/DG	GROUND



RADIO (PREMIUM) - GRAY 22 WAY

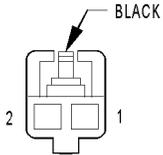
CAV	CIRCUIT	FUNCTION
1	M1 18PK	FUSED B(+)
2	Y105 20BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
3	Y166 20OR/DB	PANEL LAMPS DRIVER
4	-	-
5	-	-
6	-	-
7	X54 20VT	RIGHT FRONT SPEAKER (+)
8	X56 20DB/RD	RIGHT FRONT SPEAKER (-)
9	X55 20BR/RD	LEFT FRONT SPEAKER (-)
10	X53 20DG	LEFT FRONT SPEAKER (+)
11	Z9 18BK/DG	GROUND
12	M1 18PK	FUSED B(+)
13	X60 20DG/RD	RADIO 12V OUTPUT
14	D25 20VT/LB	PCI BUS
15	-	-
16	-	-
17	-	-
18	X51 20BR/YL	LEFT REAR SPEAKER (+)
19	X57 20BR/LB	LEFT REAR SPEAKER (-)
20	X58 20DB/OR	RIGHT REAR SPEAKER (-)
21	X52 20DB/WT	RIGHT REAR SPEAKER (+)
22	Z9 18BK/DG	GROUND



RECIRCULATION  
DOOR  
ACTUATOR

RECIRCULATION DOOR ACTUATOR - 2 WAY

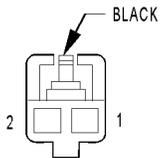
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C32 20GY/DB	RECIRCULATION DOOR DRIVER



REMOTE RADIO  
SWITCH-LEFT

REMOTE RADIO SWITCH-LEFT - BLACK 2 WAY

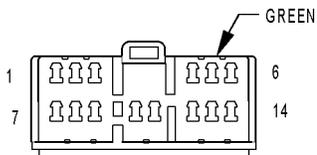
CAV	CIRCUIT	FUNCTION
1	X20 22GY (EXCEPT ETC)	RADIO CONTROL MUX
1	X20 22RD/BK (ETC)	RADIO CONTROL MUX
2	Z5 22BK/LB	GROUND



REMOTE RADIO  
SWITCH-RIGHT

REMOTE RADIO SWITCH-RIGHT - BLACK 2 WAY

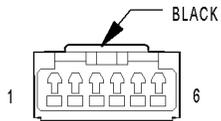
CAV	CIRCUIT	FUNCTION
1	X20 22GY (EXCEPT ETC)	RADIO CONTROL MUX
1	X20 22RD/BK (ETC)	RADIO CONTROL MUX
2	Z5 22BK/LB	GROUND



SEAT  
HEATER  
INTERFACE  
MODULE

SEAT HEATER INTERFACE MODULE - GREEN 14 WAY

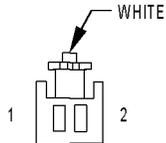
CAV	CIRCUIT	FUNCTION
1	P133 20TN/DG	DRIVER SEAT HEATER MUX SWITCH
2	P86 20PK/BK	SEAT HEATER DRIVER
3	P142 18TN/DB	PASSENGER SEAT TEMPERATURE SENSOR INPUT
4	F235 18RD	FUSED B(+)
5	P141 18TN/LB	DRIVER SEAT TEMPERATURE SENSOR INPUT
6	F235 18RD	FUSED B(+)
7	P144 20BK/LG	PASSENGER SEAT TEMPERATURE 5 VOLT SUPPLY
8	P143 20BK/DG	DRIVER SEAT TEMPERATURE 5 VOLT SUPPLY
9	P134 20TN/LG	PASSENGER SEAT HEATER MUX SWITCH
10	P138 20VT/LG	PASSENGER SEAT LOW HEAT LED DRIVER
11	P140 20VT/BK	PASSENGER SEAT HIGH HEAT LED DRIVER
12	P137 20VT/DG	DRIVER SEAT LOW HEAT LED DRIVER
13	Z121 20BK/LG	GROUND
14	P139 20VT/WT	DRIVER SEAT HIGH HEAT LED DRIVER



SENTRY KEY IMMOBILIZER MODULE

SENTRY KEY IMMOBILIZER MODULE - BLACK 6 WAY

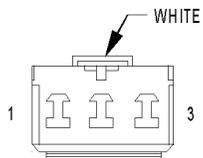
CAV	CIRCUIT	FUNCTION
1	-	-
2	D25 20VT/WT	PCI BUS
3	-	-
4	Y135 20LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
5	Z110 20BK/GY	GROUND
6	A14 20RD/WT	FUSED B(+)



SPEAKER-CENTER INSTRUMENT PANEL

SPEAKER-CENTER INSTRUMENT PANEL - WHITE 2 WAY

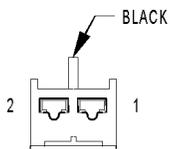
CAV	CIRCUIT	FUNCTION
1	X83 20YL/RD	LEFT INSTRUMENT PANEL SPEAKER (-)
2	X84 20OR/BK	RIGHT INSTRUMENT PANEL SPEAKER (+)



SPEAKER-LEFT FRONT DOOR

SPEAKER-LEFT FRONT DOOR - WHITE 3 WAY

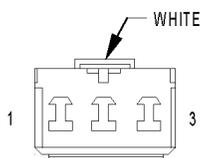
CAV	CIRCUIT	FUNCTION
1	X85 18LG/DG	LEFT FRONT DOOR SPEAKER (-)
2	-	-
3	X87 18LG/RD	LEFT FRONT DOOR SPEAKER (+)



SPEAKER-LEFT INSTRUMENT PANEL

SPEAKER-LEFT INSTRUMENT PANEL - BLACK 2 WAY

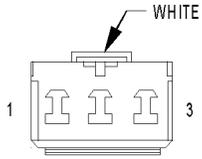
CAV	CIRCUIT	FUNCTION
1	X81 18YL/BK	LEFT INSTRUMENT PANEL SPEAKER (+)
2	X83 18YL/RD	LEFT INSTRUMENT PANEL SPEAKER (-)



SPEAKER-LEFT REAR

SPEAKER-LEFT REAR - WHITE 3 WAY

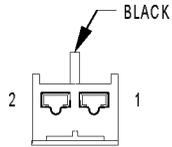
CAV	CIRCUIT	FUNCTION
1	X93 18WT/RD	LEFT REAR SPEAKER (+)
2	-	-
3	X91 18WT/BK	LEFT REAR SPEAKER (-)



SPEAKER-  
RIGHT FRONT  
DOOR

SPEAKER-RIGHT FRONT DOOR - WHITE 3 WAY

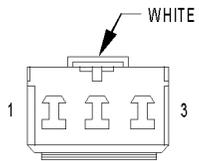
CAV	CIRCUIT	FUNCTION
1	X80 18LB/BK	RIGHT FRONT DOOR SPEAKER (-)
2	-	-
3	X82 18LB/VT	RIGHT FRONT DOOR SPEAKER (+)



SPEAKER-  
RIGHT INSTRUMENT  
PANEL

SPEAKER-RIGHT INSTRUMENT PANEL - BLACK 2 WAY

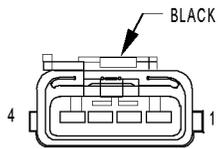
CAV	CIRCUIT	FUNCTION
1	X84 18OR/BK	RIGHT INSTRUMENT PANEL SPEAKER (+)
2	X86 18OR/RD	RIGHT INSTRUMENT PANEL SPEAKER (-)



SPEAKER-RIGHT  
REAR

SPEAKER-RIGHT REAR - WHITE 3 WAY

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



SPEED  
CONTROL SERVO

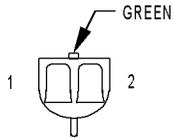
SPEED CONTROL SERVO - BLACK 4 WAY

CAV	CIRCUIT	FUNCTION
1	V36 20TN/RD	SPEED CONTROL VACUUM SOLENOID CONTROL
1	V36 20TN/RD (NGC)	S/C VACUUM CONTROL
2	V35 20LG/RD (NGC)	S/C VENT CONTROL
2	V35 20LG/RD	SPEED CONTROL VENT SOLENOID CONTROL
3	V30 20DB/RD	SPEED CONTROL BRAKE SWITCH OUTPUT
3	V30 20DB/RD (NGC)	S/C BRAKE SWITCH OUTPUT
4	Z10 20BK/TN	GROUND

PICTURE  
NOT  
AVAILABLE

SPEED CONTROL SWITCH-LEFT (ETC) - WHITE 3 WAY

CAV	CIRCUIT	FUNCTION
1	V38 20VT/OR	S/C SWITCH NO.2 SIGNAL
2	Y215 20BK/LB	S/C SWITCH RETURN
3	V37 20RD/LG	S/C SWITCH NO.1 SIGNAL



SPEED CONTROL  
SWITCH-LEFT  
(EXCEPT ETC)

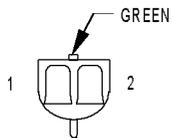
SPEED CONTROL SWITCH-LEFT (EXCEPT ETC) - GREEN 2 WAY

CAV	CIRCUIT	FUNCTION
A	V37 20RD/LG	S/C SWITCH NO.1 SIGNAL
B	K4 20BK/LB	SENSOR GROUND

PICTURE  
NOT  
AVAILABLE

SPEED CONTROL SWITCH-RIGHT (ETC) - WHITE 3 WAY

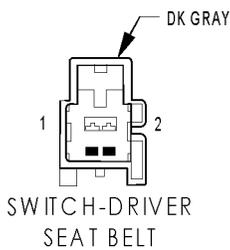
CAV	CIRCUIT	FUNCTION
1	V38 20VT/OR	S/C SWITCH NO.2 SIGNAL
2	Y215 20BK/LB	S/C SWITCH RETURN
3	V37 20RD/LG	S/C SWITCH NO.1 SIGNAL



SPEED CONTROL  
SWITCH-RIGHT  
(EXCEPT ETC)

SPEED CONTROL SWITCH-RIGHT (EXCEPT ETC) - GREEN 2 WAY

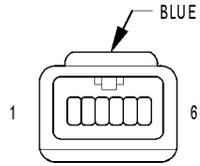
CAV	CIRCUIT	FUNCTION
A	V37 20RD/LG	S/C SWITCH NO.1 SIGNAL
B	K4 20BK/LB	SENSOR GROUND



SWITCH-DRIVER  
SEAT BELT

SWITCH-DRIVER SEAT BELT - DK GRAY 2 WAY

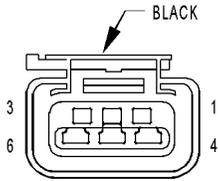
CAV	CIRCUIT	FUNCTION
1	Z237 20BK/OR	GROUND
2	G10 20LG/RD	SEAT BELT SWITCH SENSE



SWITCH-PASSENGER  
AIRBAG ON-OFF

SWITCH-PASSENGER AIRBAG ON-OFF - BLUE 6 WAY

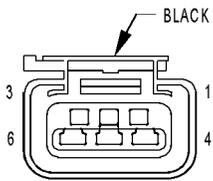
CAV	CIRCUIT	FUNCTION
1	R5 18VT/YL	PASSENGER AIRBAG MUX SWITCH SENSE
2	R4 18BR/YL	PASSENGER AIRBAG MUX SWITCH RETURN
3	R166 18LG/TN	PASSENGER AIRBAG INDICATOR DRIVER
4	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
5	-	-
6	-	-



TAIL/STOP/  
TURN SIGNAL  
LAMP-LEFT

TAIL/STOP/TURN SIGNAL LAMP-LEFT - BLACK 6 WAY

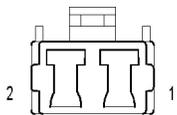
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	-	-
3	Z150 18BK	GROUND
4	L24 18WT/LG	LEFT STOP LAMP FEED
5	L63 18DG/RD	LEFT REAR TURN LAMP DRIVER
6	L1 18VT/BK	BACK-UP LAMP FEED



TAIL/STOP/  
TURN SIGNAL  
LAMP-RIGHT

TAIL/STOP/TURN SIGNAL LAMP-RIGHT - BLACK 6 WAY

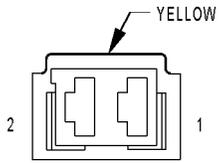
CAV	CIRCUIT	FUNCTION
1	L7 18PK/VT	HEADLAMP SWITCH OUTPUT
2	-	-
3	Z151 18BK	GROUND
4	L22 18WT/LG	RIGHT STOP LAMP FEED
5	L62 18DG/RD	RIGHT REAR TURN LAMP DRIVER
6	L1 18VT/BK	BACK-UP LAMP FEED



TENSION  
REDUCER-  
SEAT BELT  
(STANDARD CAB)

TENSION REDUCER-SEAT BELT (STANDARD CAB) - 2 WAY

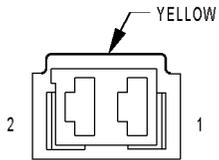
CAV	CIRCUIT	FUNCTION
1	Y105 20BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
2	G10 20LG/RD	SEAT BELT SWITCH SENSE



TENSIONER-  
LEFT SEAT BELT

TENSIONER-LEFT SEAT BELT - YELLOW 2 WAY

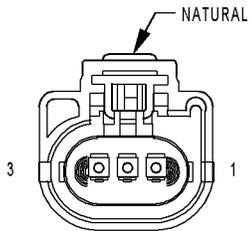
CAV	CIRCUIT	FUNCTION
1	R54 18LB/YL	LEFT SEAT BELT TENSIONER LINE 2
2	R56 18LB/DG	LEFT SEAT BELT TENSIONER LINE 1



TENSIONER-  
RIGHT SEAT BELT

TENSIONER-RIGHT SEAT BELT - YELLOW 2 WAY

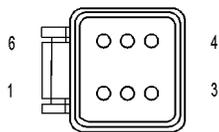
CAV	CIRCUIT	FUNCTION
1	R53 18LG/YL	RIGHT SEAT BELT TENSIONER LINE 2
2	R55 18LG/DG	RIGHT SEAT BELT TENSIONER LINE 1



THROTTLE  
POSITION SENSOR

THROTTLE POSITION SENSOR - NATURAL 3 WAY

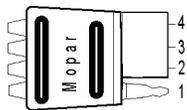
CAV	CIRCUIT	FUNCTION
1	K7 18OR	5 VOLT SUPPLY
2	K22 18OR/DB (4.7L/5.9L)	TP NO.1 SIGNAL
2	K4 18BK/LB (3.7L)	SENSOR GROUND
3	K4 18BK/LB (4.7L/5.9L)	SENSOR GROUND
3	K22 18OR/DB (3.7L)	TP NO.1 SIGNAL



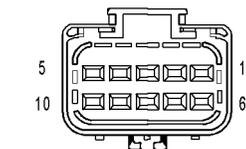
THROTTLE  
POSITION  
SENSOR  
(DIESEL)

THROTTLE POSITION SENSOR (DIESEL) - 6 WAY

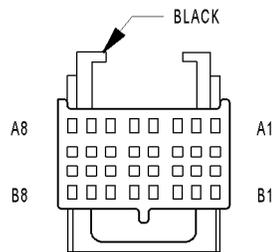
CAV	CIRCUIT	FUNCTION
1	K104 18RD/WT	SENSOR GROUND
2	K101 18WT	THROTTLE POSITION SENSOR RETURN
3	K232 18YL	THROTTLE POSITION SIGNAL
4	K56 18LG/OR	SUPPLY VOLTAGE
5	K900 18DB/DG	SENSOR GROUND
6	K49 18VT/BK	No Function Defined



TRAILER TOW CONNECTOR



TRAILER TOW CONNECTOR-ADD ON



TRANSFER CASE CONTROL MODULE C1

TRAILER TOW CONNECTOR - 4 WAY

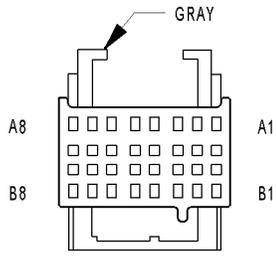
CAV	CIRCUIT	FUNCTION
1	Z52 14BK	GROUND
2	L76 18BK/OR	PARK LAMP RELAY OUTPUT
3	Y141 18YL/PK	TRAILER TOW LEFT TURN RELAY OUTPUT
4	Y140 18WT/PK	TRAILER TOW RIGHT TURN RELAY OUTPUT

TRAILER TOW CONNECTOR-ADD ON - 10 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	Y140 18WT/PK	TRAILER TOW RIGHT TURN RELAY OUTPUT
3	L1 18VT/BK	BACKUP LAMP FEED
4	Y133 14WT/RD	FUSED B(+)
5	L76 18BK/OR	PARK LAMP RELAY OUTPUT
6	-	-
7	B40 14LB	TRAILER TOW BRAKE B(+)
8	Z52 14BK	GROUND
9	Z52 14BK	GROUND
10	Y141 18YL/PK	TRAILER TOW LEFT TURN RELAY OUTPUT

TRANSFER CASE CONTROL MODULE C1 - BLACK 16 WAY

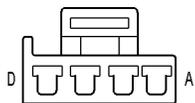
CAV	CIRCUIT	FUNCTION
A1	D25 20VT/DB	PCI BUS
A2	-	-
A3	-	-
A4	Y122 20DG/BR	4WD LOW INDICATOR
A5	Y123 20DG/OR	4WD HIGH INDICATOR
A6	Y120 20YL/DG	MODE SELECT
A7	Y116 20YL/GY	MODE SENSOR GROUND
A8	Z366 18BK/RD	GROUND
B1	-	-
B2	-	-
B3	-	-
B4	Y121 20YL/LG	NEUTRAL INDICATOR
B5	Y187 20RD	2WD/AWD INDICATOR
B6	Y112 20YL/BR	MODE SENSOR D
B7	-	-
B8	Z114 20LG/BK	SENSOR GROUND



TRANSFER CASE CONTROL MODULE C2

TRANSFER CASE CONTROL MODULE C2 - GRAY 16 WAY

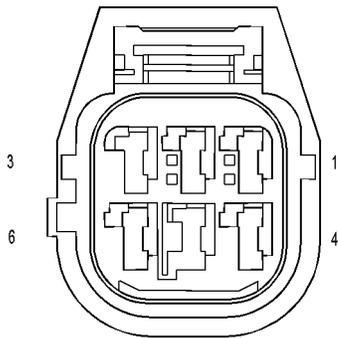
CAV	CIRCUIT	FUNCTION
A1	Y114 20YL/VT	MODE SENSOR B
A2	Y113 20YL/OR	MODE SENSOR A
A3	-	-
A4	-	-
A5	-	-
A6	T24 20BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE (T41)
A7	-	-
A8	Y117 20YL/DB	5 VOLT MODE SENSOR SUPPLY
B1	-	-
B2	Y115 20YL/WT	MODE SENSOR C
B3	-	-
B4	-	-
B5	-	-
B6	-	-
B7	-	-
B8	Y118 20YL/LB	5 VOLT SELECTOR SWITCH SUPPLY



TRANSFER CASE CONTROL MODULE C3

TRANSFER CASE CONTROL MODULE C3 - 4 WAY

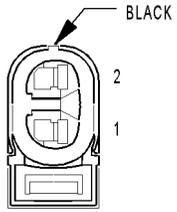
CAV	CIRCUIT	FUNCTION
A	Z21 16BK/LG	GROUND
B	A34 16LB/RD	FUSED B(+)
C	Y124 16DG/VT	SHIFT MOTOR CONTROL A
D	Y125 16DG/WT	SHIFT MOTOR CONTROL B



TRANSFER CASE MODE SENSOR

TRANSFER CASE MODE SENSOR - 6 WAY

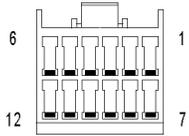
CAV	CIRCUIT	FUNCTION
1	Y112 20YL/BR	MODE SENSOR D
2	Y117 20YL/DB	5 VOLT MODE SENSOR SUPPLY
3	Y114 20YL/VT	MODE SENSOR B
4	Y116 20YL/GY	MODE SENSOR GROUND
5	Y113 20YL/OR	MODE SENSOR A
6	Y115 20 YL/WT	MODE SENSOR C



TRANSFER CASE POSITION SENSOR (4.7L/5.9L)

TRANSFER CASE POSITION SENSOR (4.7L/5.9L) - BLACK 2 WAY

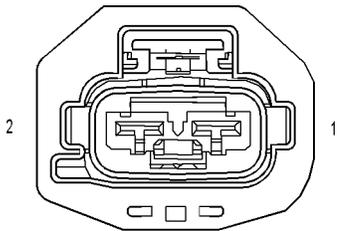
CAV	CIRCUIT	FUNCTION
1	K77 18BR/WT	TRANSFER CASE POSITION SENSOR INPUT
2	K4 18BK/LB	SENSOR GROUND



TRANSFER CASE SELECTOR SWITCH

TRANSFER CASE SELECTOR SWITCH - 12 WAY

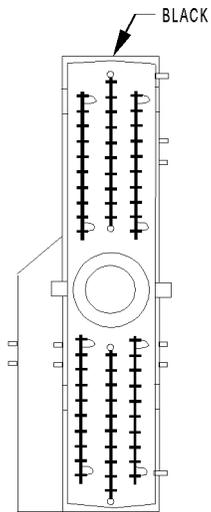
CAV	CIRCUIT	FUNCTION
1	Y118 20YL/LB	5 VOLT SELECTOR SWITCH SUPPLY
2	Y187 20RD	2WD/AWD INDICATOR
3	-	-
4	Y121 20YL/LG	NEUTRAL INDICATOR
5	Y120 20YL/DG	MODE SELECT
6	Y189 20OR/BK	PANEL LAMPS FEED
7	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN)
8	Y122 20DG/BR	4WD LOW INDICATOR
9	Y123 20DG/OR	4WD HIGH INDICATOR
10	-	-
11	Z358 20BK/YL	MODE SELECTOR SWITCH GROUND
12	-	-



TRANSFER CASE SHIFT MOTOR

TRANSFER CASE SHIFT MOTOR - 2 WAY

CAV	CIRCUIT	FUNCTION
1	Y125 16DG/WT	SHIFT MOTOR CONTROL B
2	Y124 16DG/VT	SHIFT MOTOR CONTROL A



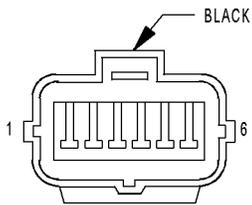
TRANSMISSION  
CONTROL  
MODULE

TRANSMISSION CONTROL MODULE - BLACK 60 WAY

CAV	CIRCUIT	FUNCTION
1	T1 18LG/BK	TRS T1 SENSE
2	T4 18PK/OR	TRS T2 SENSE
3	T3 18VT	TRS T3 SENSE
4	-	-
5	-	-
6	Y210 18YL/RD (5.7L)	EATX RPM SIGNAL
6	K24 18GY/BK (3.7L)	CRANKSHAFT POSITION SENSOR SIGNAL
7	D15 18WT/DG	SCI TRANSMIT (TCM)
8	A41 16YL	FUSED IGNITION SWITCH OUTPUT (START)
9	T9 18OR/BK	OVERDRIVE PRESSURE SWITCH SENSE
10	T10 18YL/DG	TORQUE MANAGEMENT REQUEST SENSE
11	A51 16RD/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
12	Y208 18DB/YL (5.7L)	APPS NO.1 OUTPUT
12	K22 18OR/DB (3.7L)	THROTTLE POSITION SENSOR SIGNAL
13	T13 18DB/BK	SPEED SENSOR GROUND
14	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
15	K30 19PK	TRANSMISSION CONTROL RELAY CONTROL
16	T16 16RD	TRANSMISSION CONTROL RELAY OUTPUT
17	T16 16RD	TRANSMISSION CONTROL RELAY OUTPUT
18	T118 18YL/DB	PRESSURE CONTROL SOLENOID CONTROL
19	T119 18WT/DB	2C SOLENOID CONTROL
20	T120 18LG	LR SOLENOID CONTROL
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-
27	-	-
28	B22 20DG/YL (5.7L)	VEHICLE SPEED SIGNAL
28	G7 18WT/OR (3.7L)	VEHICLE SPEED SIGNAL
29	T29 18GY	UNDERDRIVE PRESSURE SWITCH SENSE
30	T38 18VT/TN	LINE PRESSURE SENSOR SIGNAL
31	-	-
32	-	-
33	-	-
34	-	-
35	-	-
36	T16 16RD	TRANSMISSION CONTROL RELAY OUTPUT
37	Z13 16BK/RD	GROUND
38	T39 18GY/LB	5 VOLT SUPPLY
39	Z13 16BK/RD	GROUND
40	T140 18VT/LG	MS SOLENOID CONTROL
41	T41 18BK/WT	TRS T41 SENSE(C1)
42	T42 18VT/WT	TRS T42 SENSE
43	D25 20VT/OR	PCI BUS
44	-	-
45	Y207 18RD/WT (5.7L)	TPS NO.1 OUTPUT
46	D6 18PK/LB	SCI TRANSMIT
47	T147 18LB	2C PRESSURE SWITCH SENSE
48	T48 18DB	4C PRESSURE SWITCH SENSE
49	T6 20OR/WT	OVERDRIVE OFF SWITCH SENSE
50	T50 18DG	LOW/REVERSE PRESSURE SWITCH SENSE
51	Y209 18TN/BK (5.7L)	SENSOR GROUND
51	K4 18BK/LB (3.7L)	SENSOR GROUND

TRANSMISSION CONTROL MODULE - BLACK 60 WAY

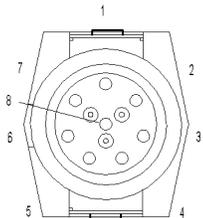
CAV	CIRCUIT	FUNCTION
52	T52 18RD/BK	INPUT SPEED SENSOR SIGNAL
53	Z113 18BK	GROUND
54	T54 18VT	TRANSMISSION TEMPERATURE SENSOR SIGNAL
55	T59 18PK	UNDERDRIVE SOLENOID CONTROL
56	A61 16DG/BK	FUSED B(+)
57	Z13 16BK/RD	GROUND
58	-	-
59	T159 18DG/WT	4C SOLENOID CONTROL
60	T60 18BR	OVERDRIVE SOLENOID CONTROL



TRANSMISSION RANGE SENSOR (5.9L/DIESEL)

TRANSMISSION RANGE SENSOR (5.9L/DIESEL) - BLACK 6 WAY

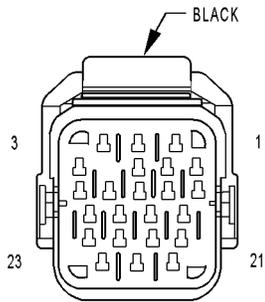
CAV	CIRCUIT	FUNCTION
1	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
2	Y193 20YL/RD	TRANS RANGE SENSOR ELECTRONIC CLUSTER MUX
3	-	-
4	L1 18VT/BK	BACKUP LAMP FEED
5	Y128 20DG/GY	TRANS RANGE SENSOR ELECTRONIC CLUSTER 5 VOLT SUPPLY
6	T24 20BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE (T41)



TRANSMISSION SOLENOID ASSEMBLY (5.9L/8.0L)

TRANSMISSION SOLENOID ASSEMBLY (5.9L/8.0L) - 8 WAY

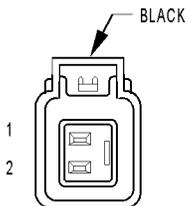
CAV	CIRCUIT	FUNCTION
1	T16 16RD	TRANSMISSION CONTROL RELAY OUTPUT
2	K6 18VT/WT	5 VOLT SUPPLY
3	K4 18BK/LB	SENSOR GROUND
4	T25 18LG/RD	GOVERNOR PRESSURE SENSOR SIGNAL
5	K88 18VT/WT	GOVERNOR PRESSURE SOLENOID CONTROL
6	T60 18BR	3-4 SHIFT SOLENOID CONTROL
7	K54 18OR/BK	TORQUE CONVERTER CLUTCH SOLENOID CONTROL
8	T54 18VT	TRANSMISSION TEMPERATURE SENSOR SIGNAL



TRANSMISSION SOLENOID/TRS ASSEMBLY (3.7L/4.7L/5.7L)

TRANSMISSION SOLENOID/TRS ASSEMBLY (3.7L/4.7L/5.7L) - BLACK 23 WAY

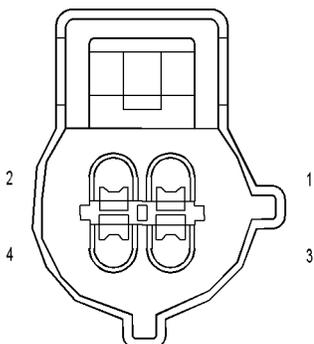
CAV	CIRCUIT	FUNCTION
1	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
2	T120 18LG	LR SOLENOID CONTROL
3	T24 18BR/YL	TRS T41 SENSE
4	T41 18BK/WT (5.7L)	TRS T41 SENSE
4	T24 20BR/YL (4.7L)	TRS T41 SENSE
5	T42 18VT/WT	TRS T42 SENSE
6	L1 18VT/BK	BACK-UP LAMP FEED
7	T60 18BR	OVERDRIVE SOLENOID CONTROL
8	T3 18VT	TRS T3 SENSE
9	T1 18LG/BK	TRS T1 SENSE
10	T16 16RD	TRANSMISSION CONTROL RELAY OUTPUT
11	T48 18DB	4C PRESSURE SWITCH SENSE
12	T118 18YL/DB	PRESSURE CONTROL SOLENOID CONTROL
13	T4 18PK/OR	TRS T2 SENSE
14	T50 18DG	LOW/REVERSE PRESSURE SWITCH SENSE
15	T147 18LB	2C PRESSURE SWITCH SENSE
16	T9 18OR/BK	OVERDRIVE PRESSURE SWITCH SENSE
17	T59 18PK	UNDERDRIVE SOLENOID CONTROL
18	T29 18GY	UNDERDRIVE PRESSURE SWITCH SENSE
19	T159 18DG/WT	4C SOLENOID CONTROL
20	T119 18WT/DB	2C SOLENOID CONTROL
21	T140 18VT/LG	PRESSURE CONTROL SOLENOID CONTROL
22	T13 18DB/BK (5.7L)	SPEED SENSOR GROUND
22	K4 18BK/LB (4.7L)	SENSOR GROUND
23	T54 18VT	TRANSMISSION TEMPERATURE SENSOR SIGNAL



UNDERHOOD LAMP

UNDERHOOD LAMP - BLACK 2 WAY

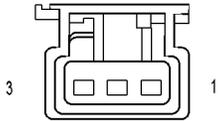
CAV	CIRCUIT	FUNCTION
1	Z235 20LB/BK	GROUND
2	M1 18PK	FUSED B(+)



VACUUM PUMP (DIESEL)

VACUUM PUMP (DIESEL) - 4 WAY

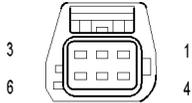
CAV	CIRCUIT	FUNCTION
1	-	-
2	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	Z11 18BK/WT	GROUND



VEHICLE SPEED SENSOR (DIESEL)

VEHICLE SPEED SENSOR (DIESEL) - 3 WAY

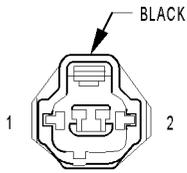
CAV	CIRCUIT	FUNCTION
1	K6 18VT/WT	5 VOLT SUPPLY
2	K167 18BR/TL	ACCELERATOR PEDAL POSITION SENSOR NO. 1
3	G17 18WT/TN	SPEEDOMETER SIGNAL



VISTRONIC FAN DRIVE (DIESEL)

VISTRONIC FAN DRIVE (DIESEL) - 6 WAY

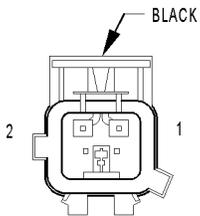
CAV	CIRCUIT	FUNCTION
1	Y1 18LG	PARK LOCKOUT SOLENOID CONTROL
2	K4 18BK/LB	SENSOR GROUND
3	Y5 18OR	FAN SPEED
4	-	-
5	Y3 18WT	SENSOR SUPPLY
6	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN)



WASHER FLUID LEVEL SWITCH

WASHER FLUID LEVEL SWITCH - BLACK 2 WAY

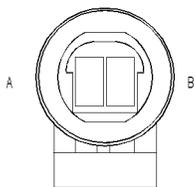
CAV	CIRCUIT	FUNCTION
1	Y137 20VT/LB EXCEPT 8.0L/DIESEL	SENSOR GROUND
2	G29 20BK/TN	WASHER FLUID SWITCH SENSE
2	Y137 20VT/LB 8.0L/DIESEL	SENSOR GROUND



WASHER PUMP MOTOR-FRONT

WASHER PUMP MOTOR-FRONT - BLACK 2 WAY

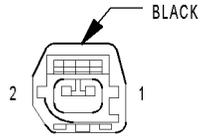
CAV	CIRCUIT	FUNCTION
1	Z216 20BK/VT	GROUND
2	V10 20BR	WASHER PUMP MOTOR CONTROL



WATER IN FUEL SENSOR (DIESEL)

WATER IN FUEL SENSOR (DIESEL) - 2 WAY

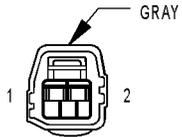
CAV	CIRCUIT	FUNCTION
1	K104 18RD/WT	SENSOR GROUND
2	G20 18VT/YL	IGNITION SWITCH SENSE



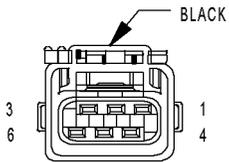
WHEEL SPEED SENSOR-LEFT FRONT (ABS)



WHEEL SPEED SENSOR-REAR (ABS)



WHEEL SPEED SENSOR-RIGHT FRONT (ABS)



WIPER MOTOR-FRONT

WHEEL SPEED SENSOR-LEFT FRONT (ABS) - BLACK 2 WAY

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

WHEEL SPEED SENSOR-REAR (ABS) - 2 WAY

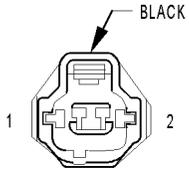
CAV	CIRCUIT	FUNCTION
1	B114 18WT/VT	REAR WHEEL SPEED SENSOR (-)
2	B113 18RD/VT	REAR WHEEL SPEED SENSOR (+)

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

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

WIPER MOTOR-FRONT - BLACK 6 WAY

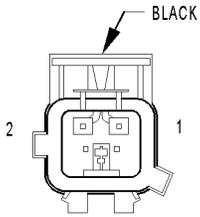
CAV	CIRCUIT	FUNCTION
1	-	-
2	V5 20DG	WIPER PARK SWITCH SENSE
3	Z247 20BK/LB	GROUND
4	Z44 18BK/DG	GROUND
5	V3 16BR/WT	WIPER RELAY LOW SPEED OUTPUT
6	V4 16RD/YL	WIPER RELAY HIGH SPEED OUTPUT



WASHER FLUID LEVEL SWITCH

WASHER FLUID LEVEL SWITCH - BLACK 2 WAY

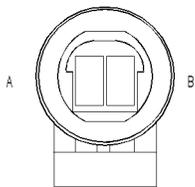
CAV	CIRCUIT	FUNCTION
1	Y137 20VT/LB	SENSOR GROUND
2	G29 20BK/TN	WASHER FLUID SWITCH SENSE



WASHER PUMP MOTOR-FRONT

WASHER PUMP MOTOR-FRONT - BLACK 2 WAY

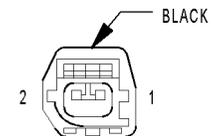
CAV	CIRCUIT	FUNCTION
1	Z216 20BK/VT	GROUND
2	V10 20BR	WASHER PUMP MOTOR CONTROL



WATER IN FUEL SENSOR (DIESEL)

WATER IN FUEL SENSOR (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	K104 18RD/WT	SENSOR GROUND
2	G20 18VT/YL	IGNITION SWITCH SENSE



WHEEL SPEED SENSOR-LEFT FRONT (ABS)

WHEEL SPEED SENSOR-LEFT FRONT (ABS) - BLACK 2 WAY

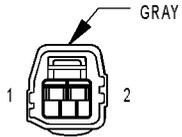
CAV	CIRCUIT	FUNCTION
1	B8 20RD/DB	LEFT FRONT WHEEL SPEED SENSOR (-)
2	B9 20RD	LEFT FRONT WHEEL SPEED SENSOR (+)



WHEEL SPEED  
SENSOR-REAR  
(ABS)

WHEEL SPEED SENSOR-REAR (ABS)- 2 WAY

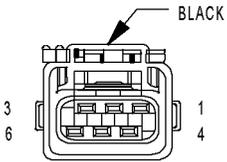
CAV	CIRCUIT	FUNCTION
1	B114 18WT/VT	REAR WHEEL SPEED SENSOR (-)
2	B113 18RD/VT	REAR WHEEL SPEED SENSOR (+)



WHEEL SPEED  
SENSOR-  
RIGHT FRONT  
(ABS)

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

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



WIPER MOTOR-  
FRONT

WIPER MOTOR-FRONT - BLACK 6 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	V5 20DG	WIPER PARK SWITCH SENSE
3	Z247 20BK/LB	GROUND
4	Z44 18BK/DG	GROUND
5	V3 16BR/WT	WIPER RELAY LOW SPEED OUTPUT
6	V4 16RD/YL	WIPER RELAY HIGH SPEED OUTPUT

## 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.
4WD Switch (Manual Transfer Case)	BK	Near T/O for Backup Lamp Switch	16
A/C Compressor Clutch	BK	At A/C Compressor	3, 5, 8, 9, 10
A/C Pressure Transducer	BK	Left Side of A/C Compressor	3, 5, 8, 9, 10
A/C-Heater Control C1	BK	Center of Instrument Panel	36, 37, 38
A/C-Heater Control C2	BK	Center of Instrument Panel	36, 37
Adjustable Pedal Motor	WT	Left of Instrument Panel	33
Adjustable Pedal Switch	BL	Left of Instrument Panel	37, 39
Airbag Control Module	YL	Lower Center of Instrument Panel	37, 38
Airbag Control Module-Left Side Impact	YL	Left B-Pillar	44, 45
Airbag Control Module-Right Side Impact	YL	Right B-Pillar	N/S
Airbag-Driver Squib 1	YL	On Steering Wheel	32
Airbag-Left Curtain Squib	YL	Top Left B-Pillar	44, 45
Airbag-Passenger Squib 1	YL	Right Front of Instrument Panel	37, 40
Airbag-Right Curtain Squib	YL	Top Right B-Pillar	N/S
Ambient Temperature Sensor	BK	Left Rear of Hood	31
Amplifier Audio C1	GY	Top Center of Instrument Panel	37, 40
Amplifier Audio C2	GY	Top Center of Instrument Panel	37, 40
Automatic Day/Night Mirror (Except Base)	BK	Top Center of Windshield	N/S
Backup Lamp Switch	BK	Left Rear of Transmission	16
Battery Temperature Sensor	BK	Below Battery Tray	26, 28, 29, 30
Blend Door Actuator (Single Zone)	BK	Behind Right Side of Instrument Panel	N/S

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/NUMBER	COLOR	LOCATION	FIG.
Blower Motor	BK	Behind Right Side of Instrument Panel	N/S
Blower Motor Resistor Block	BK	Behind Right Side of Instrument Panel	N/S
Brake Lamp Switch	BK	Top of Brake Pedal Arm	32, 37, 39
Brake Provision-Electric		Rear of Engine	26, 27
Brake Transmission Shift Interlock Solenoid	BK	Near Steering Column	33, 37, 39
C100	BK	Near G107	21, 22, 23, 24, 25
C102		Near Integrated Power Module	28
C106 (5.7L)	BK	Left Rear Engine	5
C107 (5.7L)	BK	Left Rear Engine	5
C112 (Diesel)	BK	Near T/O for Water In Fuel Sensor	N/S
C113	BK	Left Side Engine	10
C114	BK	Left side Engine	10
C115 (Diesel)	BK	Left Side Engine	10
C130	BK	Left Rear of Engine	21, 22, 23, 24, 26
C200	GY	Under Instrument Panel	40
C201	WT	Near Left Instrument Panel Speaker	37, 39
C205	BK	Left Rear Side of Engine Compartment	N/S
C206	BK	Right Instrument Panel	37, 40, 46
C216	BK	Middle Left Frame	26, 28, 48
C217	BK	Middle Left Frame	26, 28, 37, 48
C218	WT	Left Side of Instrument Panel	26, 27, 41, 44
C219	GY	Left Side of Instrument Panel	26, 27, 33, 37, 39, 41
C220	WT	Left Side of Instrument Panel	37, 39, 41
C301	WT	Right Kick Panel	41
C302	BK	Left Front Door	41
C304	WT	Left Side of Instrument Panel	42, 44, 45
C305	BK	At Left Front Door	42, 44, 45
C306	WT	Middle Front of Door	43, 45
C307	BK	Near Right License Lamp	48, 49
C308	WT	Under Instrument Panel	40, 41
C309	WT	Left Side of Instrument Panel	39, 41, 44, 45
C310	BK	Left Rear of Frame	48, 49
C311	BK	Left Rear of Frame	44, 45
C312	WT	Under Seat	N/S
C313	DK GY	At Driver Seat	N/S
C314	DK GY	At Driver Seat	N/S
C315	DK GY	At Driver Seat	N/S
C316	BK	At Passenger Seat	N/S

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/NUMBER	COLOR	LOCATION	FIG.
C317	BK	At Passenger Seat	N/S
C319	BK	Bottom Left of Left Door	N/S
C322	DK GY	Left Rear of Frame	N/S
C323	BK	Left Side of Instrument Panel	N/S
C327	BK	Right Rear Fender	48, 49
C328	BK	Left Rear Fender	48, 49, 50
Camshaft Position Sensor	GY	Right Front Side of Engine	3, 6, 8, 9
Capacitor		Left Rear of Engine Compartment	N/S
Center High Mounted Stop Lamp/Cargo Lamp	BK	Rear of Cab	47
Cigar Lighter Outlet	NAT	Rear of Cigar Lighter	34, 37, 38
Clearance Lamp No. 1	BK	Left Roof	46
Clearance Lamp No. 2	BK	Left-Center Roof	46
Clearance Lamp No. 3	BK	Center Roof	46
Clearance Lamp No. 4	BK	Right-Center Roof	46
Clearance Lamp No. 5	BK	Right Roof	46
Clockspring C1	BK	Steering Column	33
Clockspring C2	YL	Steering Column	33
Clockspring C3	BK	Steering Column	N/S
Clockspring C4	BK	Steering Column	N/S
Clutch Interlock Brake Switch	BK	At Clutch Pedal	26, 27
Coil On Plug No.1	BK	Left Top Side of Intake Manifold	4
Coil On Plug No.2	BK	Right Top Side of Intake Manifold	3
Coil On Plug No.3	BK	Left Top Side of Intake Manifold	4
Coil On Plug No.4	BK	Right Top Side of Intake Manifold	3
Coil On Plug No.5	BK	Left Top Side of Intake Manifold	4
Coil On Plug No.6	BK	Right Top Side of Intake Manifold	3
Coil On Plug No.7	BK	Left Top Side of Intake Manifold	4
Coil On Plug No.8	BK	Right Top Side of Intake Manifold	3
Compass/Mini-Trip Computer	BK	In Overhead Console	N/S
Condenser Fan	BK	Near Condenser	26, 27
Controller Anti-Lock Brake C1	BK	Left Fender Side Shield	26, 27, 28
Controller Anti-Lock Brake C2 (ABS)	BK	Left Fender Side Shield	26, 28
Crankshaft Position Sensor	BK	Right Rear of Engine Block	3, 6, 8, 9
Cylinder Lock Switch-Driver (Premium)	BK	In Left Front Door	42
Cylinder Lock Switch-Passenger (Premium)	LT GY	In Right Front Door	N/S
Data Link Connector	BK	Left Bottom of Instrument Panel	37, 39
Data Link Connector - Engine (Diesel)	BK	Near T/O for Water In Fuel Sensor	N/S
Dome Lamp	BK	Center of Headliner	N/S

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/NUMBER	COLOR	LOCATION	FIG.
Door Ajar Switch-Driver (Base)	BK	Left Front Door	42
Door Ajar Switch-Left Rear (Base)	BK	Left Rear Door	43
Door Ajar Switch-Passenger (Base)	BK	Right Front Door	N/S
Door Ajar Switch-Right Rear (Base)	BK	Right Rear Door	43
Door Lock Motor/Ajar Switch-Driver (Except Base)	BK	Left Front Door	42
Door Lock Motor/Ajar Switch-Left Rear (Except Base)	BK	Left Rear Door	43
Door Lock Motor/Ajar Switch-Passenger (Except Base)	BK	Right Front Door	N/S
Door Lock Motor/Ajar Switch-Right Rear (Except Base)	BK	Right Rear Door	43
Door Lock Switch-Passenger	BL	In Right Front Door	N/S
Driver Airbag Squib	BK	In Steering Column	N/S
Driver Blend Door Actuator (Dual Zone)	BK	Right Side of HVAC	N/S
Driver Door Module C1	BL	In Left Front Door	42
Driver Door Module C2	BL	In Left Front Door	42
Engine Control Module C1	BK	Left Engine	10
Engine Control Module C2	BK	Left Engine	10
Engine Coolant Temperature Sensor	BK	Near Generator	4, 7, 9
Engine Oil Pressure Sensor	BK	Lower Left Side of Engine	4, 6, 8, 9, 11
Evap/Purge Solenoid	BK	Left Fender Side Shield	26, 28
Evaporator Temperature Sensor	BK	Right Side of HVAC	N/S
Fog Lamp-Left	WT	Left Front Facia	N/S
Fog Lamp-Right	WT	Right Front Facia	N/S
Fuel Control Actuator (Diesel)	BK	Left Rear Engine	23
Fuel Heater (Diesel)	BK	Left Side Engine	10
Fuel Injector No.1	BK	At Fuel Injector	4, 8
Fuel Injector No. 2	BK	At Fuel Injector	3, 7
Fuel Injector No. 3	BK	At Fuel Injector	4, 8
Fuel Injector No. 4	BK	At Fuel Injector	3, 7
Fuel Injector No. 5	BK	At Fuel Injector	4, 8
Fuel Injector No. 6	BK	At Fuel Injector	3, 7
Fuel Injector No. 7	BK	At Fuel Injector	4, 8
Fuel Injector No. 8	BK	At Fuel Injector	3, 7
Fuel Pump Module	LT GY	At Fuel Tank	48
Fuel Pump Motor (Diesel)	BK	Left Side Engine	10
Generator	BK	Front of Engine	4, 6, 7, 10
Glove Box Lamp and Switch	BK	At Glove Box	37, 40
Governor Pressure Sensor	BK	Left Rear of Transmission	N/S
Headlamp Switch	BK	Left Side of Instrument Panel	34, 37, 39
Headlamp-Left	BL	At Headlamp	26, 30, 31

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/NUMBER	COLOR	LOCATION	FIG.
Headlamp-Right	BL	At Headlamp	1, 25, 29
Heated Seat Cushion - Driver	BL	Under Driver Seat	N/S
Heated Seat Cushion - Passenger	BL	Under Passenger Seat	N/S
Heated Seat Switch-Driver	RD	Center of Instrument Panel	35, 37, 38
Heated Seat Switch-Passenger	BL	Center of Instrument Panel	35, 37, 38
Horn Switch	WT	In Steering Wheel	N/S
Horn-High Note	BK	Left Front Fender	26, 30, 31
Horn-Low Note	BK	Left Front Fender	26, 31
Idle Air Control Motor	BK	On Throttle Body	4, 8
Ignition Coil	GY	Left Rear of Engine	7, 17
Ignition Coil - Left (8.0L)	BK	Right Side Engine	9
Ignition Coil - Right (8.0L)	BK	Right Side Engine	9
Ignition Switch	BK	Steering Column	33
Inlet Air Temperature/Manifold Absolute Pressure Sensor	BK	Right Side Engine	10
Input Speed Sensor	BK	At Transmission	14, 15
Instrument Cluster C1	GY	Rear of Instrument Cluster	37
Instrument Cluster C2	GY	Rear of Instrument Cluster	37
Instrument Cluster C3	WT	Rear of Instrument Cluster	39
Intake Air Heater Relay		Right Engine Compartment	2
Intake Air Temperature/Manifold Absolute Temperature Sensor (Diesel)	BK	Left rear Engine	N/S
Intake Air Temperature Sensor	BK	On Intake Manifold	4, 7, 9
Integrated Power Module C1	BK	Left Front Fender	29, 30
Integrated Power Module C2	WT	Left Front Fender	29, 30
Integrated Power Module C3	GR	Left Front Fender	29, 30
Integrated Power Module C4	WT	Left Front Fender	29, 30
Integrated Power Module C5	BK	Left Front Fender	29, 30
Integrated Power Module C6	BK	Left Front Fender	28, 29, 30
Integrated Power Module C7	GY	Left Front Fender	29, 30
Integrated Power Module FCM	BK	In IPM	N/S
Knock Sensor	BK	Left Rear of Engine	5, 6, 17
Leak Detection Pump (Except 8.0L)	BK	Left Middle of Chassis	48
Leak Detection Pump (8.0L)	BK	Left Transmission	13
License Lamp-Left	BK	At Rear Bumper	48, 49
License Lamp-Right	BK	At Rear Bumper	48, 49
Lift Pump Motor	BK	Near T/O for WIF Sensor	N/S
Line Pressure Sensor	BK	Right Rear of Transmission	14, 18, 19
Lumbar Motor-Driver	DK GY	At Driver Seat	N/S
Lumbar Motor-Passenger	BK	At Passenger Seat	N/S
Manifold Absolute Pressure Sensor (4.7L)	GY	Left Front of Intake Manifold	4

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/NUMBER	COLOR	LOCATION	FIG.
Manifold Absolute Pressure Sensor (5.9L)	BK	Left Front of Intake Manifold	8
Mode Door Actuator 1	BK	Right Side of HVAC	N/S
Mode Door Actuator 2	BK	Right Side of HVAC	N/S
Multi-Function Switch	BK	On Steering Column	N/S
Natural Vacuum Leak Detection Assembly	BK	Rear of Transmission	18, 19
Output Speed Sensor	DB	Left Side of Transmission	11, 12, 14, 15
Overdrive Switch	WT	Center of Instrument Panel	37
Overhead Map/Reading Lamp (Except Base)	NAT	Center of Headliner	N/S
Oxygen Sensor 1/1 Upstream	BK	Left Front of Side of Transmission	11, 12, 14, 16
Oxygen Sensor 1/2 Downstream	NAT	Left Rear of Side of Transmission	11, 14, 16
Oxygen Sensor 2/1 Upstream	BK	Right Front Side of Transmission	11, 12, 14, 16, 17, 18, 19
Oxygen Sensor 2/2 Downstream	BK	Right Rear Side of Transmission	11, 12, 14, 16, 17, 18, 19
Park Brake Switch		At Park Brake	26, 27
Park/Turn Signal Lamp-Left Front	BK	At Lamp	26, 30, 31
Park/Turn Signal Lamp-Right Front	BK	At Lamp	1, 25, 29
Passenger Airbag On/Off Switch		Right Side of Instrument Panel	35, 37, 40
Passenger Blend Door Actuator (Dual Zone)	BK	Right Side of HVAC	N/S
Passenger Lumbar Switch		At Passenger Seat	N/S
Power Mirror-Left	BK	At Mirror	42
Power Mirror-Right	BK	At Mirror	N/S
Power Outlet	RD	Center of Instrument Panel	37
Power Outlet-Console	BK	Center of Instrument Panel	N/S
Power Seat Motor-Driver Front Vertical	RD	At Driver Seat	N/S
Power Seat Motor-Driver Horizontal	BK	At Driver Seat	N/S
Power Seat Motor-Driver Rear Vertical	BK	At Driver Seat	N/S
Power Seat Switch-Driver	BK	At Driver Seat	N/S
Power Seat Switch-Passenger	BK	At Passenger Seat	N/S
Power Steering Pressure Switch	BK	Near Power Steering Pump	4, 5
Power Window Circuit Breaker		Under Instrument Panel	33, 37, 39
Power Window Motor-Driver	BK	In Driver Door at Motor	42
Power Window Motor-Left Rear	BK	In Door at Motor	43
Power Window Motor-Passenger	BK	In Passenger Door at Motor	N/S
Power Window Motor-Right Rear	BK	In Door at Motor	43
Power Window Switch-Left Rear	BL	In Door	43
Power Window Switch-Right Rear	BL	In Door	43
Powertrain Control Module C1	BK	Right Rear Engine Compartment	21, 22, 23, 24

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/NUMBER	COLOR	LOCATION	FIG.
Powertrain Control Module C2	WT	Right Rear Engine Compartment	21, 22, 23, 24
Powertrain Control Module C3	GY	Right Rear Engine Compartment	21, 22, 23, 24
Powertrain Control Module C4	GN	Right Rear Engine Compartment	21
PTO Sense		Near G107	21, 22, 24
Radio (Base)	GY	Rear of Radio	37, 38
Radio (Premium)	BK	Rear of Radio	37, 38
Recirculation Door Actuator	BK	Right Side of HVAC	N/S
Red Brake Warning Indicator Switch	BK	Near Master Cylinder	26, 28, 31
Remote Radio Switch-Left	BK	At Steering Wheel	N/S
Remote Radio Switch-Right	BK	At Steering Wheel	N/S
Seat Belt Pretensioner-Left	YL	Left B-Pillar	44, 45
Seat Belt Pretensioner-Right	YL	Right B-Pillar	N/S
Seat Belt Switch-Driver	DK GY	Left B-Pillar	N/S
Seat Belt Tension Reducer (Standard Cab)	YL	Left B-Pillar	44
Seat Heater Interface Module	GN	Under Driver Seat	N/S
Sentry Key Immobilizer Module	BK	On Steering Column	32
Side Marker - Left Front (Dual Wheels)	BK	Front of Left Rear Fender	50
Side Marker - Left Rear (Dual Wheels)	BK	Rear of Left Rear Fender	50
Side Marker - Right Front (Dual Wheels)	BK	Front of Right Rear Fender	50
Side Marker - Right Rear (Dual Wheels)	BK	Rear of Right Rear Fender	50
Speaker-Center Instrument Panel	WT	Center of Instrument Panel	37, 38
Speaker-Left Front Door	WT	In Left Front Door	42
Speaker-Left Instrument Panel	BK	Left Side of Instrument Panel	37, 39
Speaker-Left Rear (Standard Cab)	WT	In Lower Left B-Pillar	44
Speaker-Left Rear Door (Quad Cab)	WT	In Left Rear Door	43
Speaker-Right Front Door	WT	In Right Front Door	N/S
Speaker-Right Instrument Panel	BK	Right Side of Instrument Panel	37, 40
Speaker-Right Rear (Standard Cab)	BK	In Lower Right B-Pillar	N/S
Speaker-Right Rear Door (Quad Cab)	BK	In Right Rear Door	43
Speed Control Servo	BK	Left Front Side of Engine Compartment	26, 28
Speed Control Switch - Left (Except ETC)	GN	Steering Wheel	N/S
Speed Control Switch - Right (Except ETC)	GN	Steering Wheel	N/S
Speed Control Switch-Left (ETC)	WT	At Steering Wheel	N/S

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

CONNECTOR NAME/NUMBER	COLOR	LOCATION	FIG.
Speed Control Switch-Right (ETC)	WT	At Steering Wheel	N/S
Tail/Stop/Turn Signal Lamp-Left	BK	At Lamp	N/S
Tail/Stop/Turn Signal Lamp-Right	BK	At Lamp	N/S
Throttle Position Sensor	NAT	Throttle Body	4, 8
Trailer Tow Connector	BK	At Trailer Hitch	49
Trailer Tow Connector-Add On	BK	At Trailer Hitch	49, 51
Transfer Case Control Module C1	BK	Left Side of Instrument Panel	37, 39
Transfer Case Control Module C2	GY	Left Side of Instrument Panel	37, 39
Transfer Case Control Module C3	BK	Left Side of Instrument Panel	37, 39
Transfer Case Mode Sensor	BK	Left Front Side of Transfer Case	20
Transfer Case Position Sensor	BK	Front Middle of Transfer Case	14, 15, 16, 20
Transfer Case Selector Switch	BK	Center of Instrument Panel	35, 37, 38
Transfer Case Shift Motor	BK	Left Rear of Transmission	20
Transmission Control Module	BK	Left Rear of Engine Compartment	21
Transmission Range Sensor	BK	Left side of Transmission	11, 12
Transmission Solenoid Assembly	BK	Left Side of Transmission	11, 12
Transmission Solenoid/TRS Assembly (3.7L/4.7L)	BK	Left Side of Transmission	14, 15
Underhood Lamp	BK	Underside of Hood	31
Vistronic Fan Drive		Front Engine Compartment	30
Washer Fluid Level Switch	BK	At Reservoir	25, 29, 30
Washer Pump Motor-Front	BK	At Washer Fluid Reservoir	25, 29, 30
Water In Fuel Sensor (Diesel)	BK	Right Side Engine	10
Wheel Speed Sensor-Left Front	BK	Left Rear Lower Side of Engine Compartment	26, 31
Wheel Speed Sensor-Rear	BK	Right Rear of Body	49
Wheel Speed Sensor-Right Front	GY	Right Rear Lower Side of Engine Compartment	25
Wiper Motor-Front	BK	Left Side of Cowl	26, 28

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

## GROUNDS

GROUND NUMBER	LOCATION	FIG.
G100	Left Front Engine	N/S
G101	Left Front Engine	N/S
G102	Left Front Chassis	N/S
G103	Left Front Engine Compartment	26
G104	Left Front Engine Compartment	26
G105	Right Front Chassis	25
G106	Left Rear Engine Compartment	26, 31
G107	Right Rear Engine Compartment	10, 21, 22, 24
G201	Right Side of Instrument Panel	39
G202	Center of Instrument Panel	37, 38
G203	Center of Instrument Panel	37, 38
G204	Right Side of Instrument Panel	37
G301	Left Front Body	41, 44, 45
G302	Left Front Body	41, 44, 45

## SPLICES

SPLICE NUMBER	LOCATION	FIG.
S101	Left Front Fender	25
S102	Left Front Fender	26
S103	Left Rear of Engine Compartment	26
S104	Front Facia	N/S
S105	Front Facia	N/S
S106	Left Rear of Engine Compartment	26
S107	Left Front Fender	26
S108	Headlamp and Dash, Left Side	26, 28
S109	Left Front Fender	26, 28, 29
S110	Left Front Fender	26
S111	Center Rear of Engine Compartment	22, 24
S114	Left Rear of Engine Compartment	26, 27, 28
S115	Left Rear of Engine Compartment	26, 28, 31
S117	Left Rear of Engine Compartment	N/S
S118	Right Rear Engine Compartment	21
S119	Left Rear of Engine Compartment	N/S
S120	Left Front Fender	26
S121	Left Front Fender	23, 26
S122	Left Front Fender	26
S123	Left Front Fender	12, 26
S124	Center Rear of Engine Compartment	9, 11, 12, 23
S125	Center Rear of Engine Compartment	21, 23

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

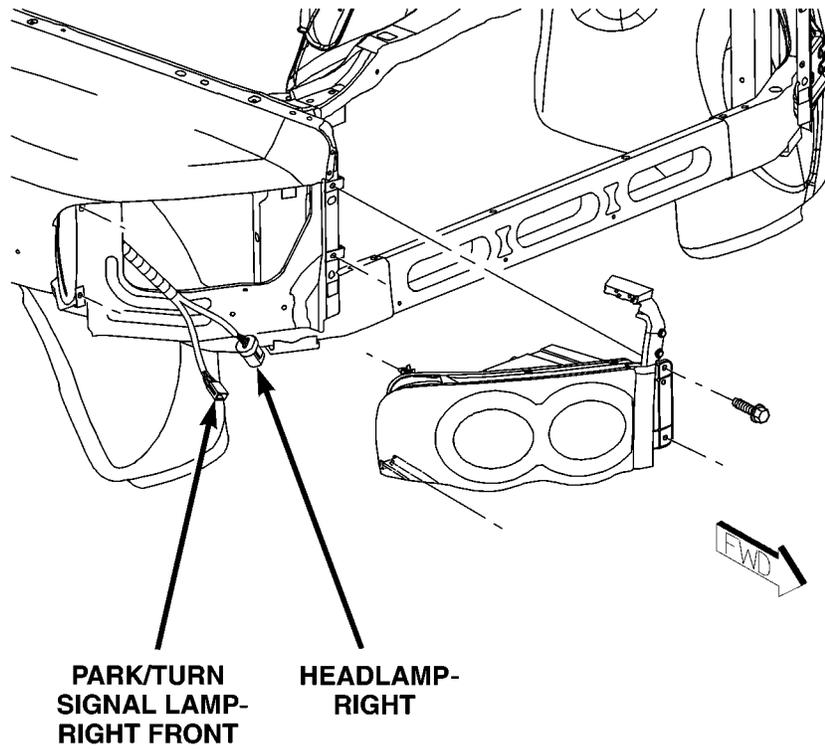
SPLICE NUMBER	LOCATION	FIG.
S126	Center Rear of Engine Compartment	N/S
S128	Right Rear of Engine	3, 22
S129	Top Front of Transmission	3, 23
S130	Top Front of Transmission	3, 8, 9, 12, 14, 16, 17, 21, 22, 24
S131	Left Rear of Engine Compartment	22
S132	Left Rear of Engine Compartment	21, 22, 24
S133	Left Rear of Engine	11, 22
S134	Left Rear of Engine Compartment	15
S135	Headlamp and Dash, Left Side	26
S136	Left Front Fender	21, 29
S137	Left Rear of Engine Compartment	21
S138	Left Rear of Engine	3, 11
S139	Right Front of Transmission	14, 16, 17, 24
S141	Right Rear of Engine	3
S142	Left Side of Engine	22
S143	Left Side of Engine Compartment	21
S144	Top Front of Transmission	3, 14, 16, 17, 23, 24
S145	Left Front Fender	26
S146	Left Front Fender	26
S147	Right Rear of Engine	7
S148	Top Front of Transmission	3, 14, 16, 17, 22, 23, 24
S149	Left Rear of Engine	3, 4, 14
S150	Top Center of Engine	3, 5, 8
S153	Rear Engine Compartment	22
S154	Left Top Engine	5, 22
S155	Left Rear Engine Compartment near T/O for Fuel Control Actuator	N/S
S156	Left Rear Engine Compartment	23
S157	Near T/O for Camshaft Position Sensor	N/S
S158	Near T/O for C114	10
S159	Near T/O for Engine Control Module	N/S
S160	Top Left Engine	10
S170	Left Engine	10
S171	Top Left Engine	10
S172	In T/O for Fuel Control Actuator	N/S
S173	Near T/O for Engine Control Module	N/S
S174	Near T/O for C114	N/S
S175	Near T/O for Engine Control Module	N/S
S176	Left Side Engine Near T/O for Fuel Control Actuator	N/S
S181	Top of Transmission	12
S182	Top of Transmission	12

## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

SPLICE NUMBER	LOCATION	FIG.
S183	Top of Transmission	12
S184	Top of Transmission	12
S191	Near Integrated Power Module	29
S197	Left Rear Engine Compartment	23
S201	Left Side of Instrument Panel	37
S204	Left Side of Instrument Panel	37
S205	Left Side of Instrument Panel	39
S206	At Steering Column	N/S
S207	At Steering Column	N/S
S208	Center of Instrument Panel	37, 38
S209	Center of Instrument Panel	37
S210	Center of Instrument Panel	39
S212	Left Side of Instrument Panel	33, 39
S213	Center of Instrument Panel in T/O for Instrument Cluster Connectors	N/S
S214	Left Side of Instrument Panel	33, 39
S216	Center of Instrument Panel	37
S217	Left Side of Instrument Panel	37, 40
S218	Left Side of Instrument Panel	39
S219	Center of Instrument Panel	N/S
S220	Center of Instrument Panel	N/S
S221	Center of Instrument Panel	37, 38
S222	Center of Instrument Panel	37
S224	Right Side of HVAC	N/S
S225	Center of Instrument Panel	37
S226	Right Side of HVAC	N/S
S230	Right Instrument Panel	37
S231	Left Instrument Panel	39
S301	Center of Headliner	N/S
S302	Center of Headliner	N/S
S304	Center of Headliner	N/S
S305	Center of Body	44, 45
S306	Left Side of Frame	N/S
S307	Center of Headliner	N/S
S308	Left Rear Chassis	48, 49
S309	Center Rear of Chassis	49
S310	Center of Body	44, 45
S311	Left Front of Body	41, 44, 45
S312	Right Door	N/S
S313	Left Front Door	42
S314	Left Rear Frame Rail	N/S
S315	Left Front Body	41, 44, 45

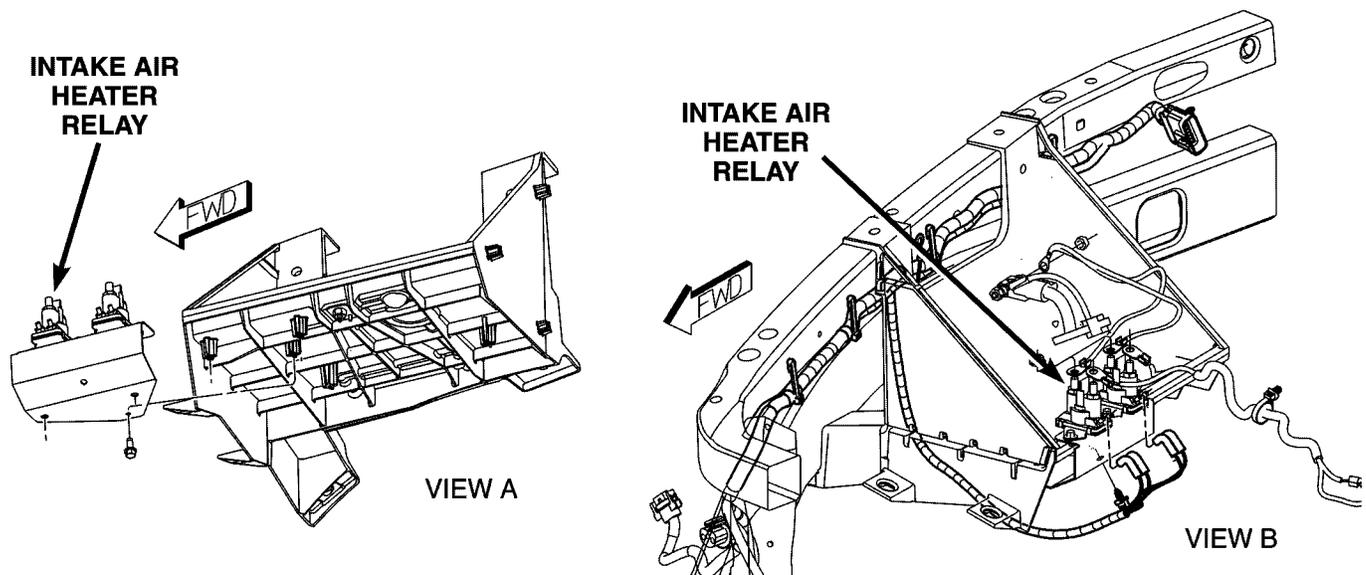
## CONNECTOR/GROUND/SPLICE LOCATION (Continued)

<b>SPLICE NUMBER</b>	<b>LOCATION</b>	<b>FIG.</b>
S316	At Driver Seat	N/S
S317	At Passenger Seat	N/S
S318	At Passenger Seat	N/S
S319	Left Front Door	42
S320	Center of Body	44
S321	Left Front Body	N/S
S322	Left Front Body	N/S
S323	Left Front Body	45
S324	Left Rear Chassis	48, 49
S325	Left Rear Chassis	48, 49
S326	Left Rear Chassis	48, 49
S327	Left Rear Chassis	48, 49
S328	At Driver Seat	N/S
S329	At Driver Seat	N/S
S330	Center Rear of Chassis	49
S331	Center Rear of Chassis	49
S332	Left Front Door	42
S333	Left Front Body	45
S334	Left Front Body	41, 44, 45
S335	Left Front Body	41, 44, 45
S338	Left Rear Fender	50
S339	Left Rear Fender	50



*Fig. 1 RIGHT SIDE FRONT LIGHTING*

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*Fig. 2 LEFT FRONT BUMPER AND RIGHT BATTERY TRAY*

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CONNECTOR/GROUND/SPLICE LOCATION (Continued)

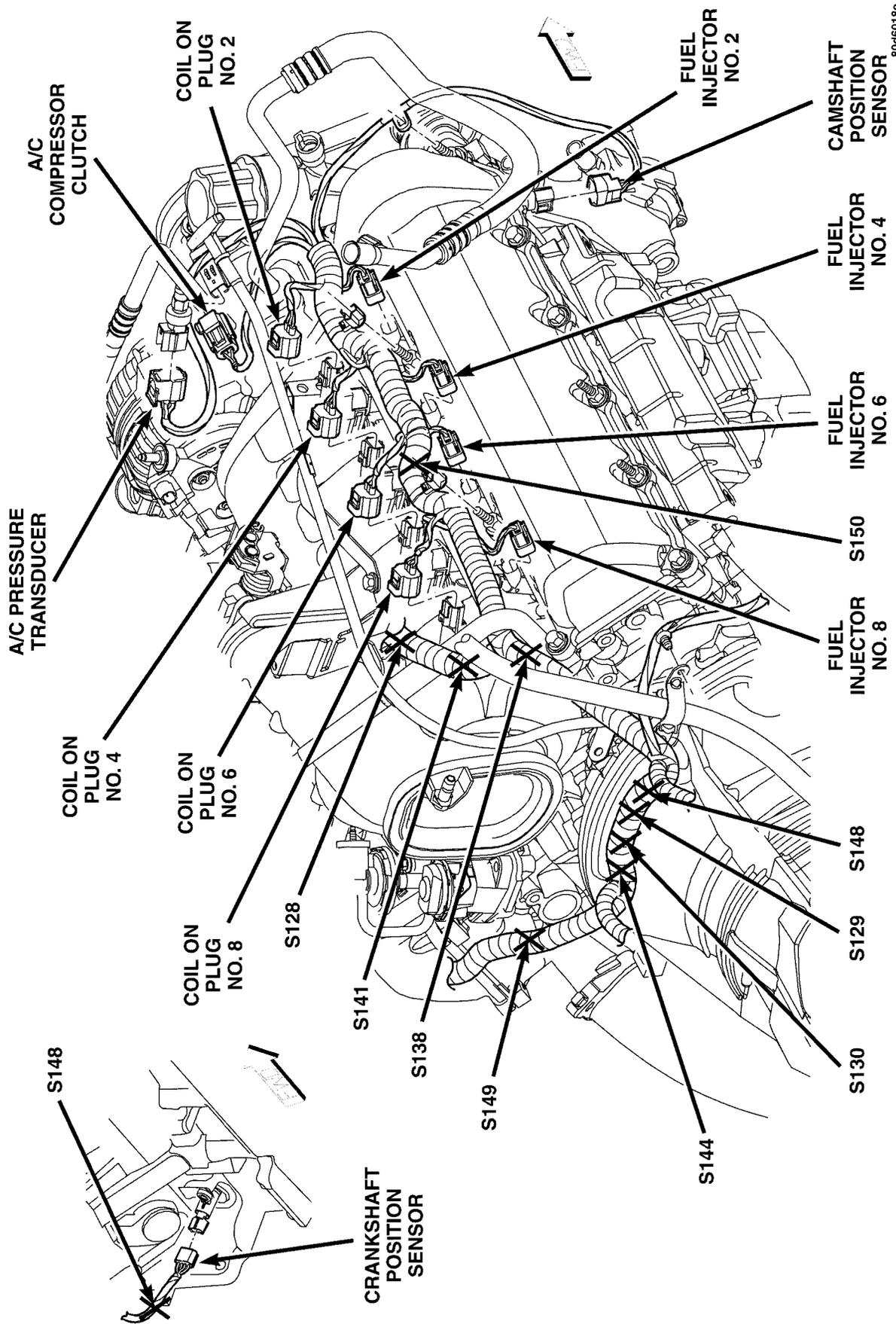


Fig. 3 RIGHT SIDE ENGINE, 4.7L

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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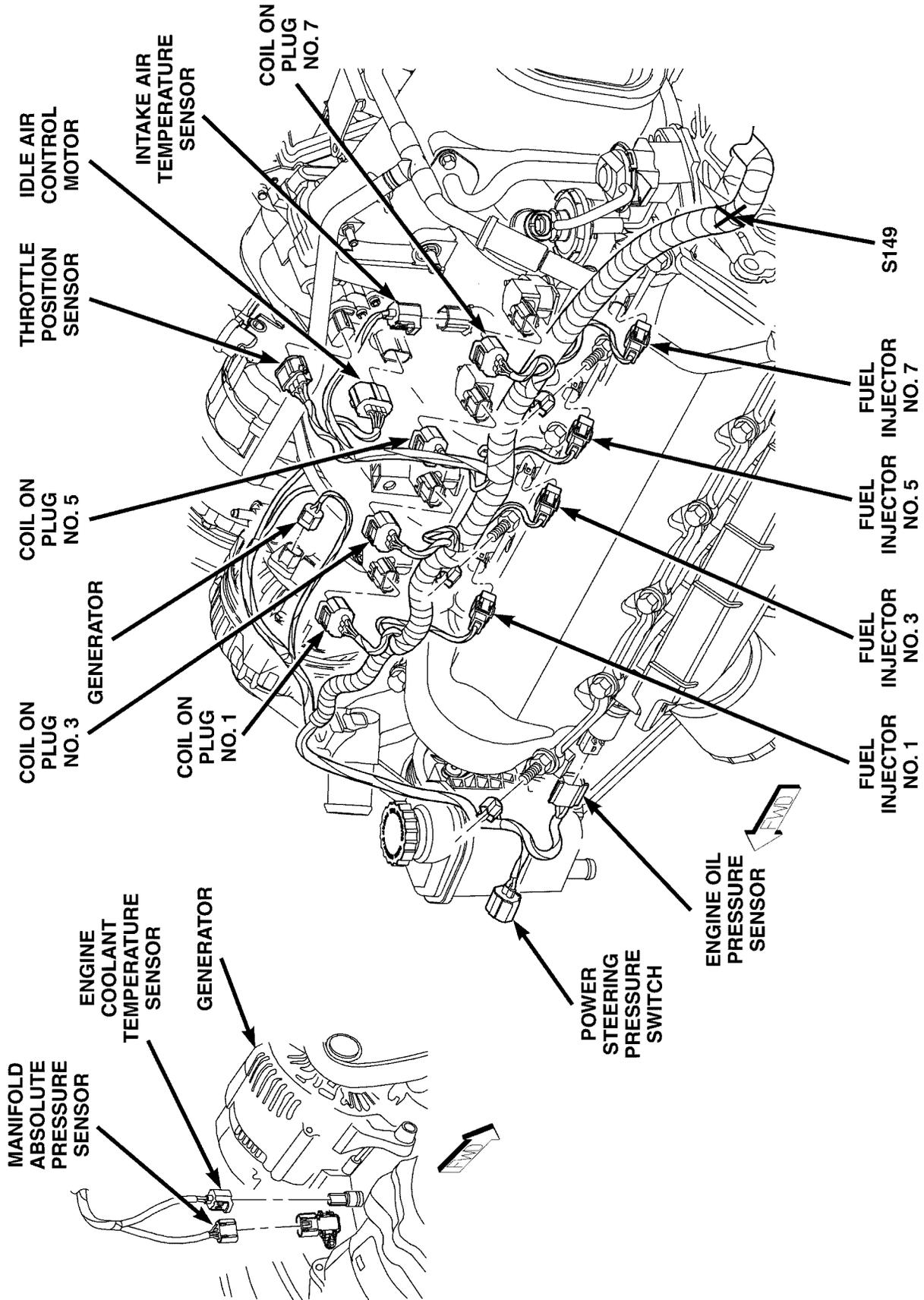


Fig. 4 LEFT SIDE ENGINE, 4.7L

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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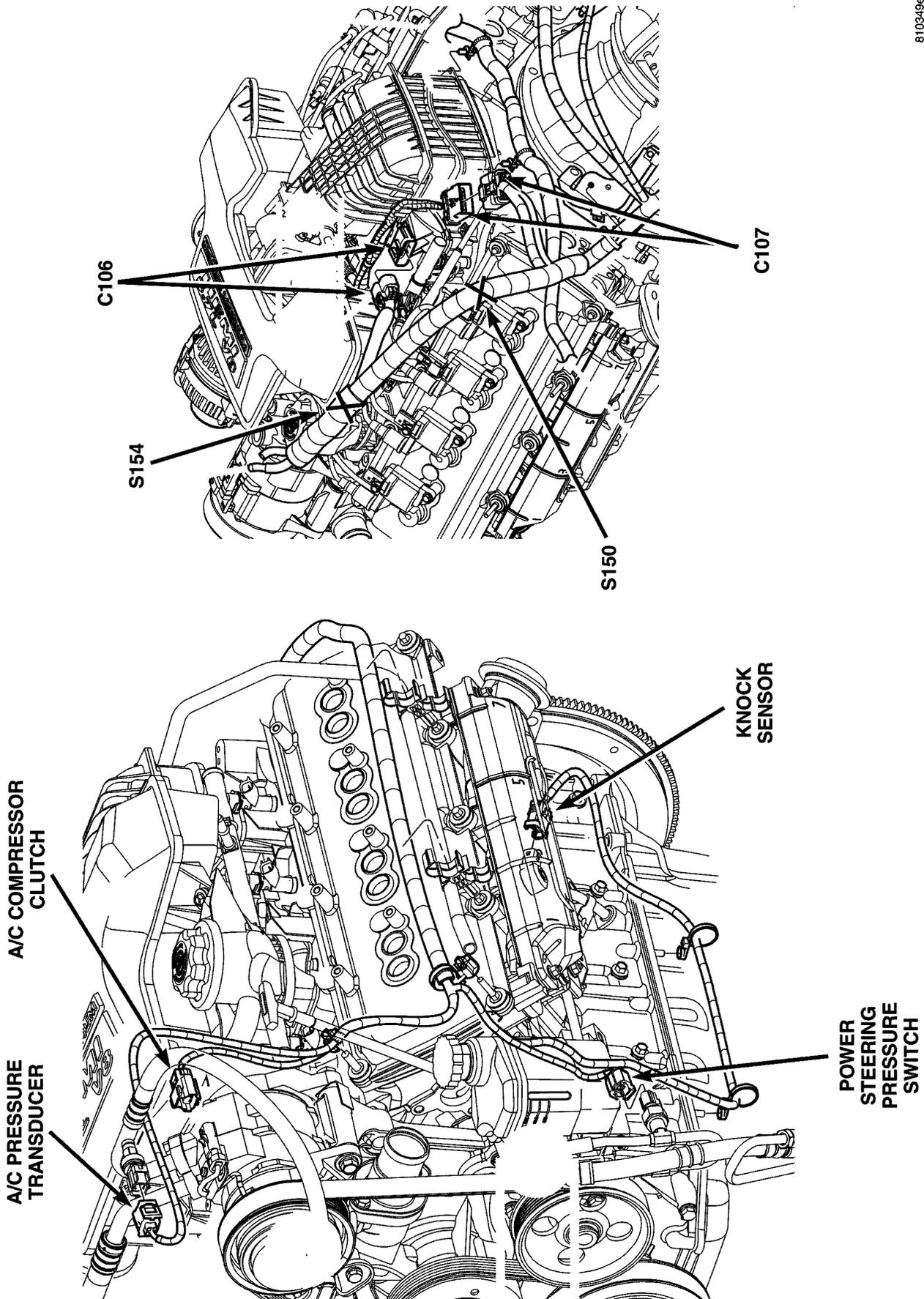


Fig. 5 LEFT SIDE ENGINE (5.7L)

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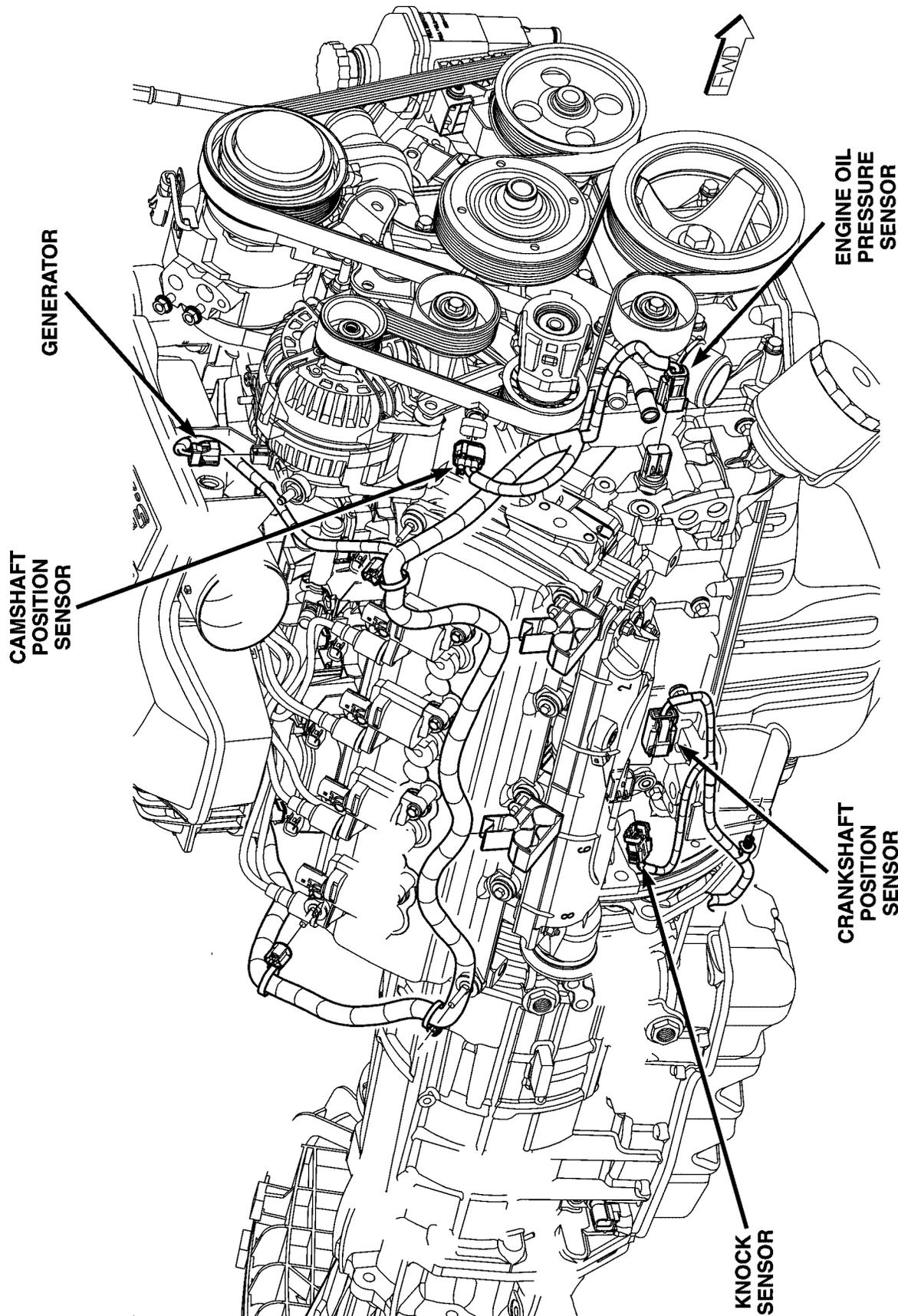


Fig. 6 RIGHT SIDE ENGINE (5.7L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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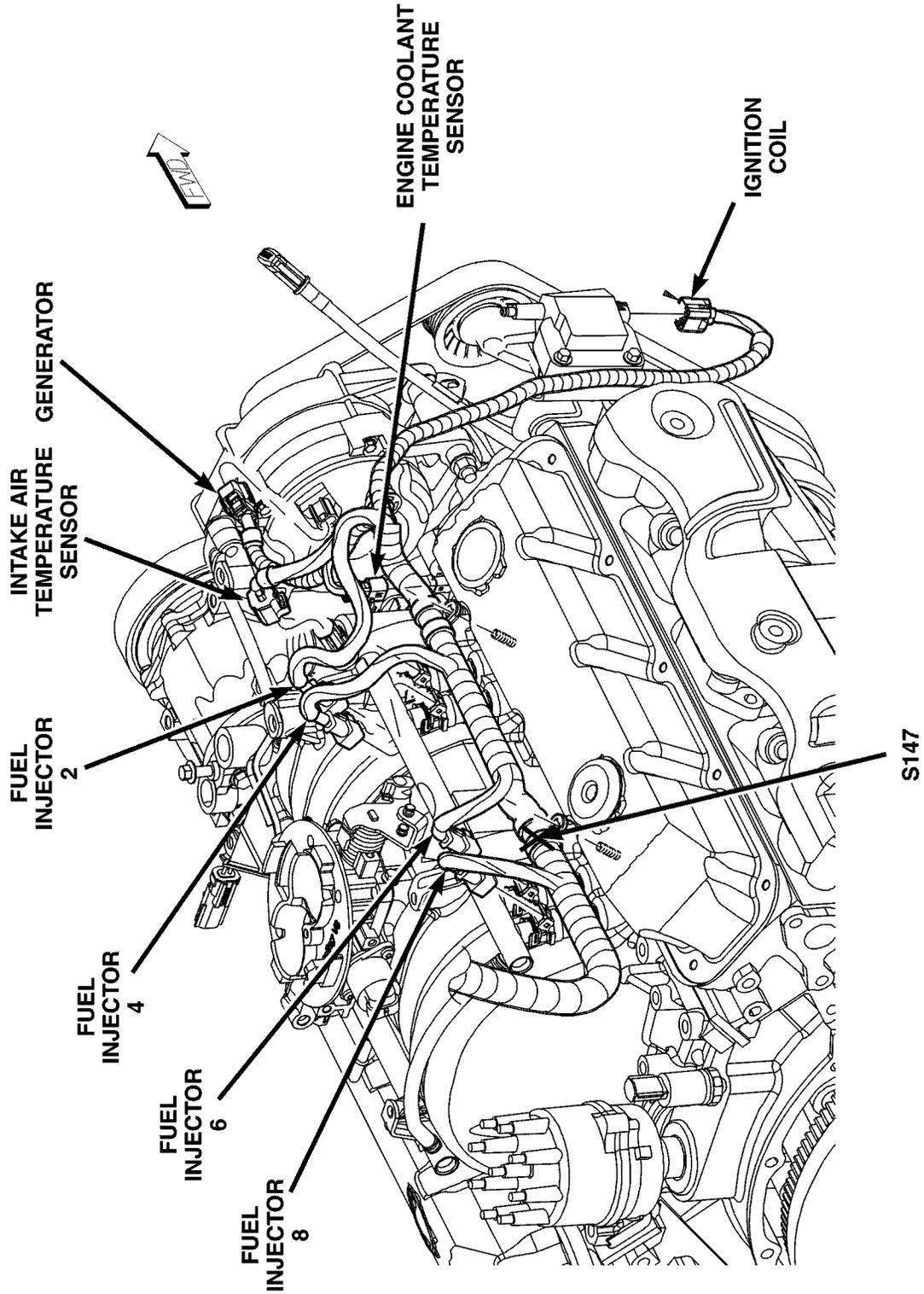


Fig. 7 RIGHT SIDE ENGINE, 5.9L

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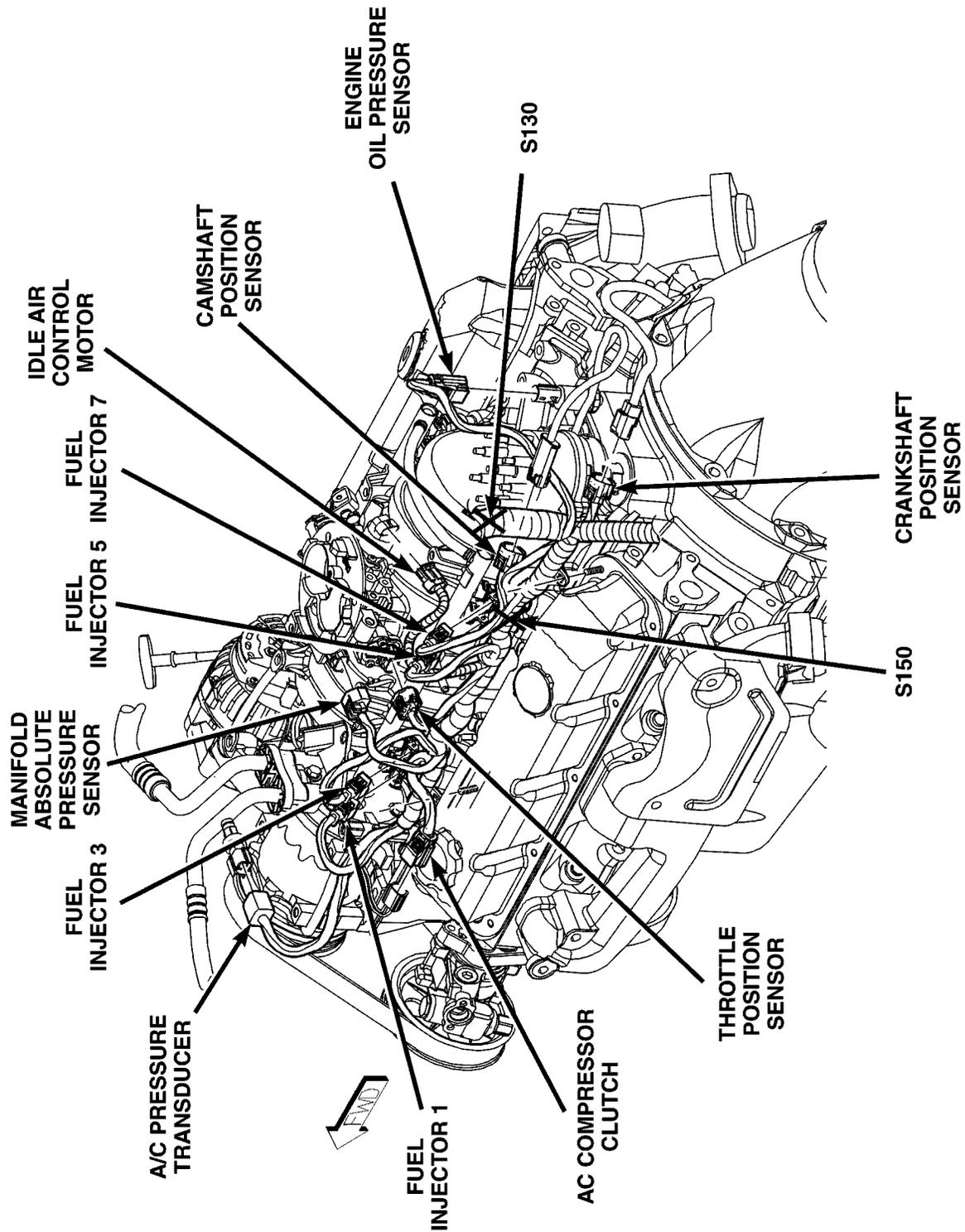
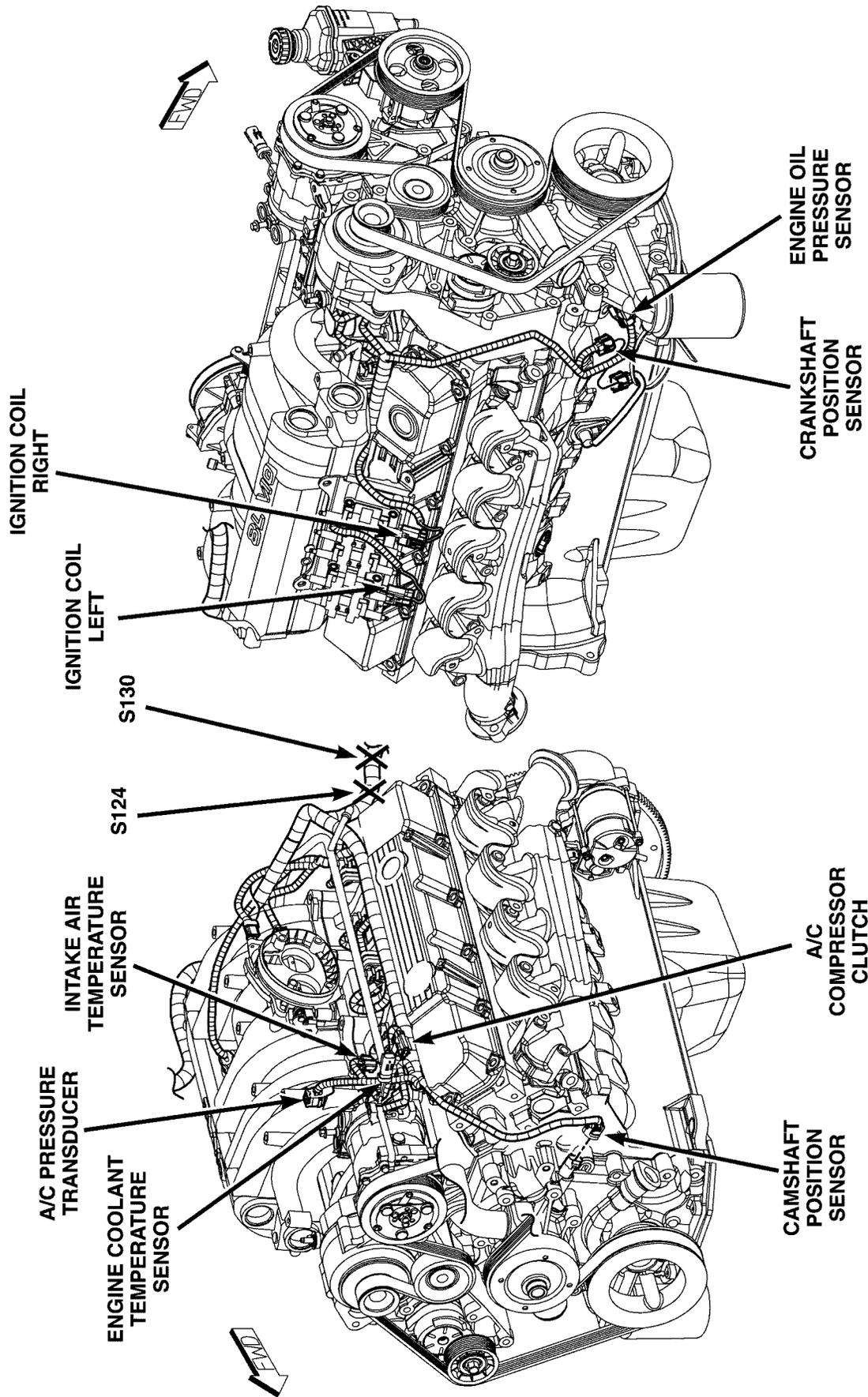


Fig. 8 LEFT SIDE ENGINE, 5.9L

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



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Fig. 9 ENGINE (8.0L)

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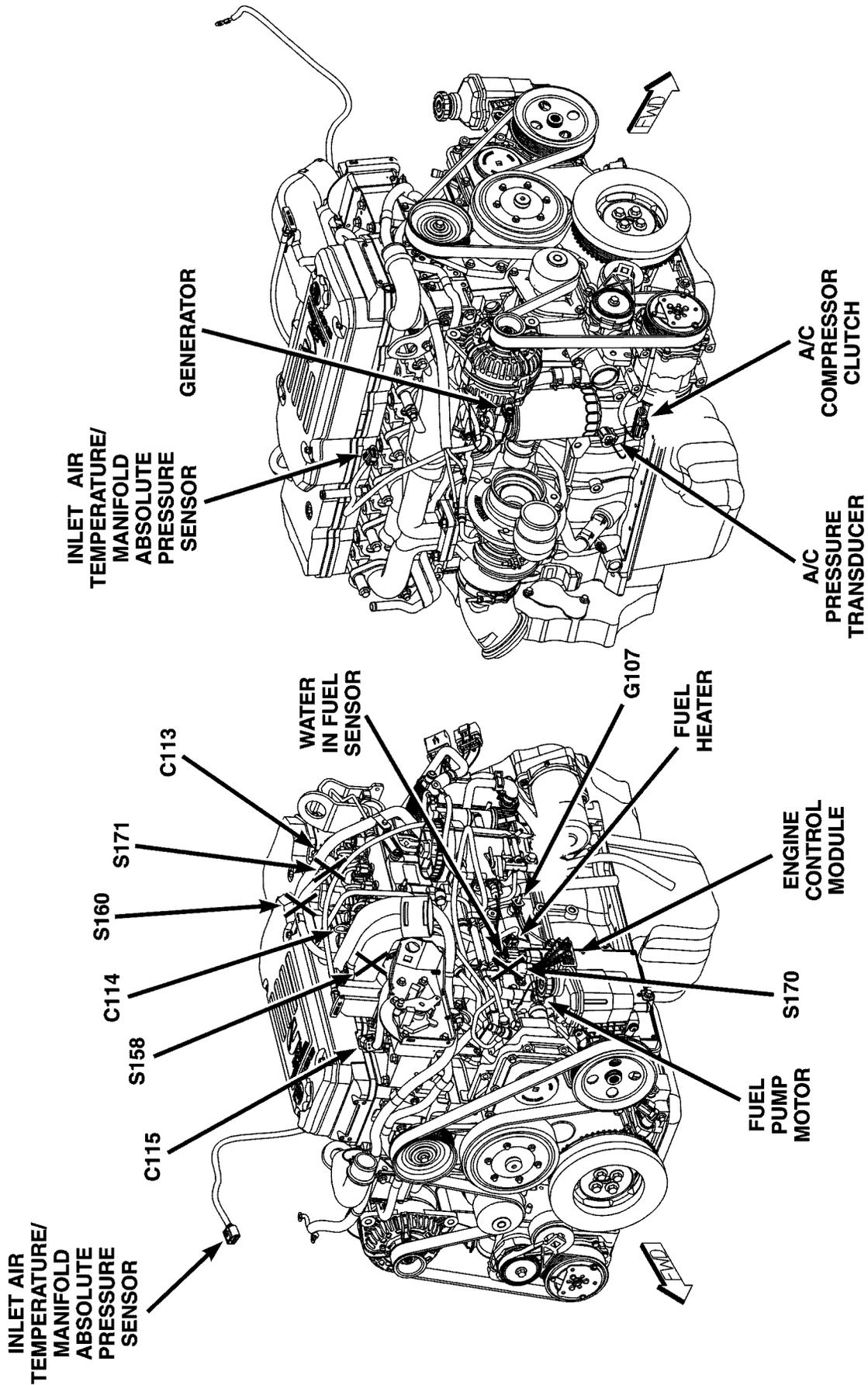


Fig. 10 ENGINE (DIESEL)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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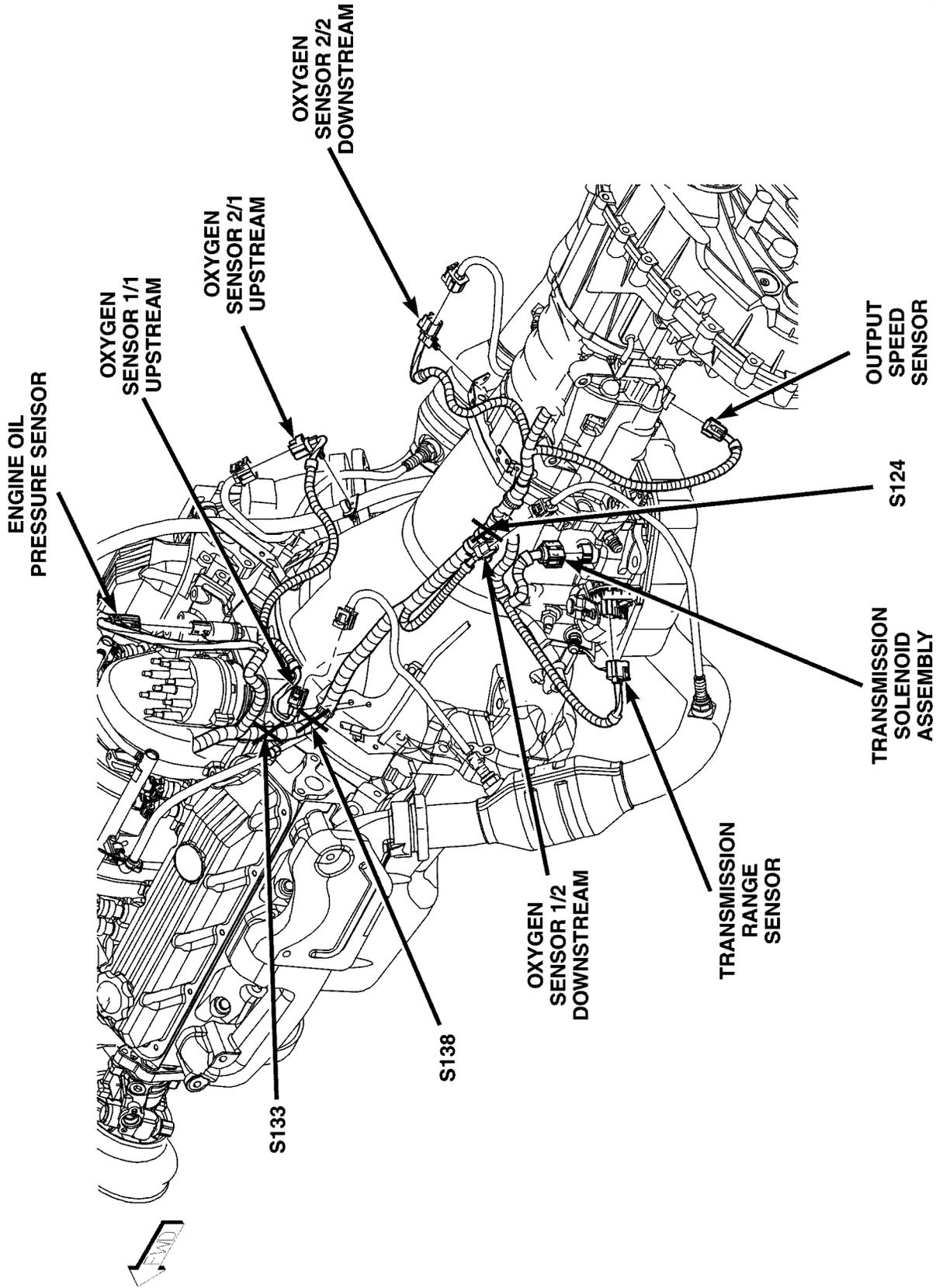


Fig. 11 LEFT SIDE ENGINE AND TRANSMISSION, 5.9L

810361cd

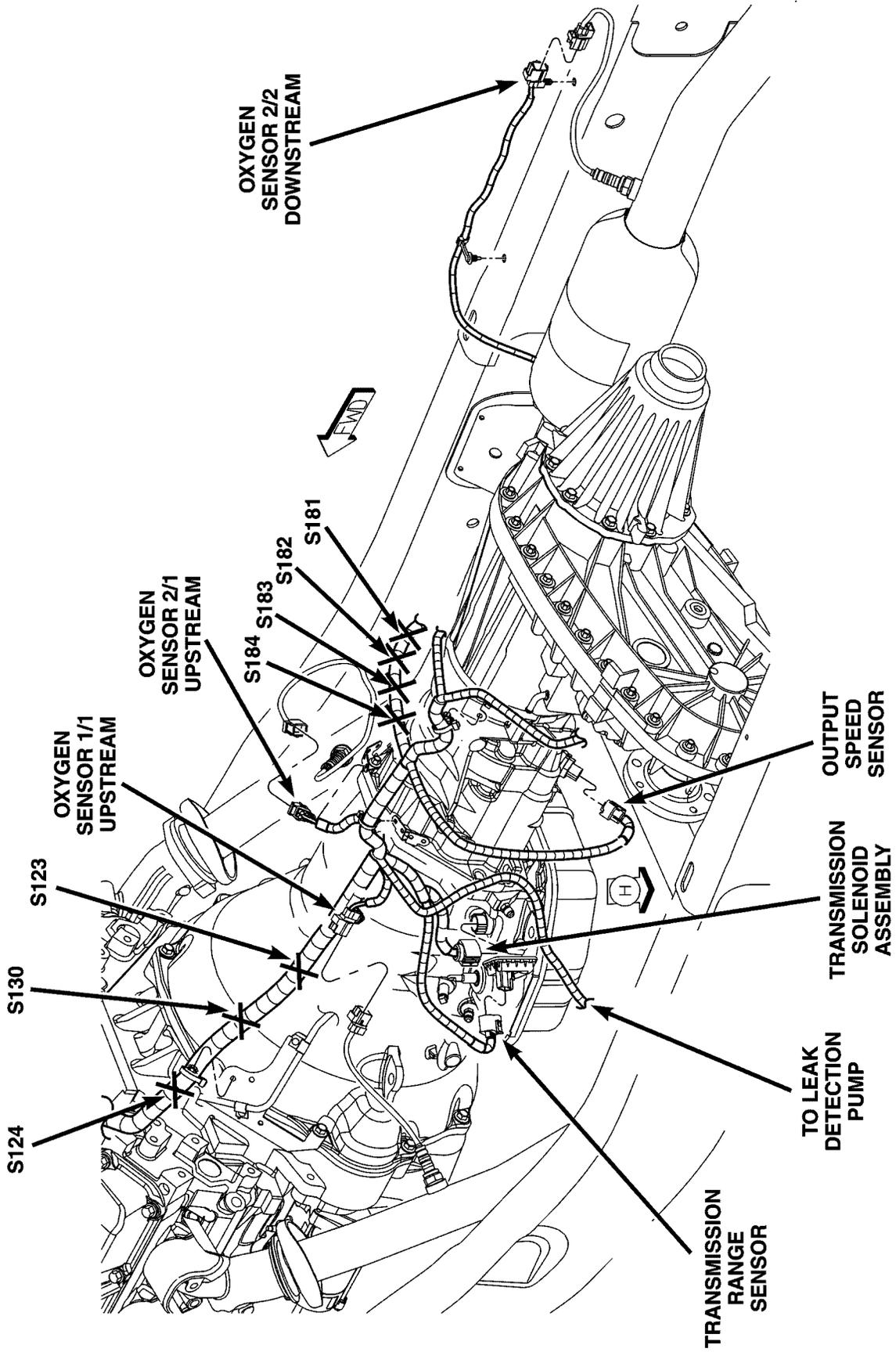
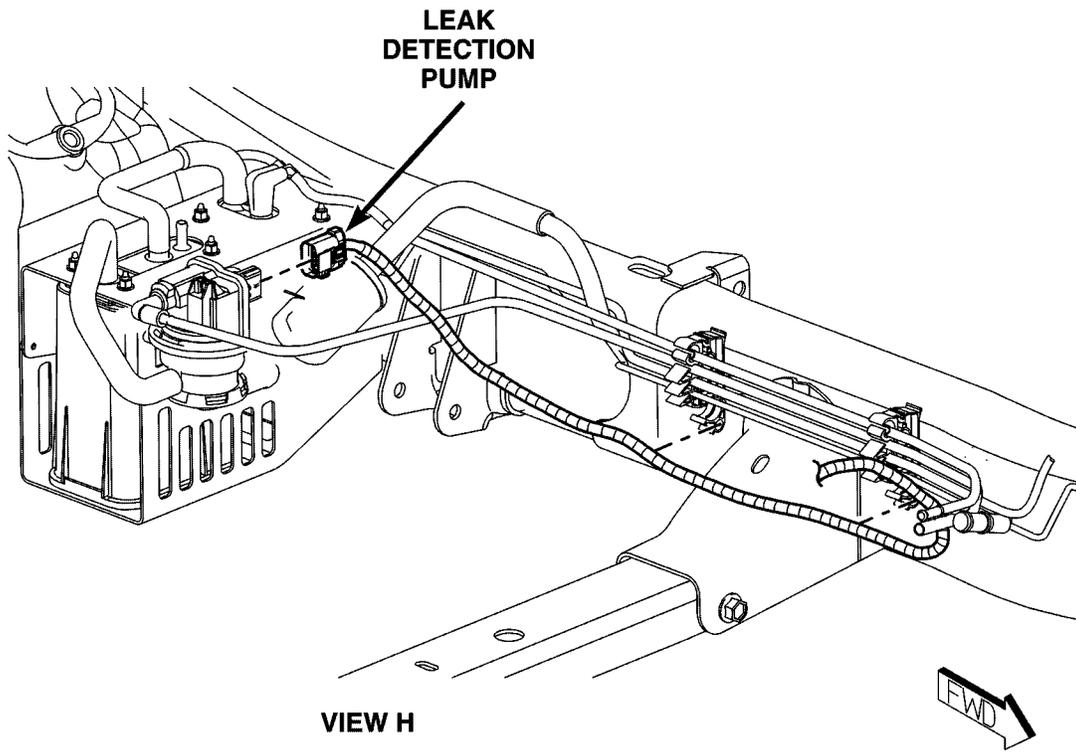
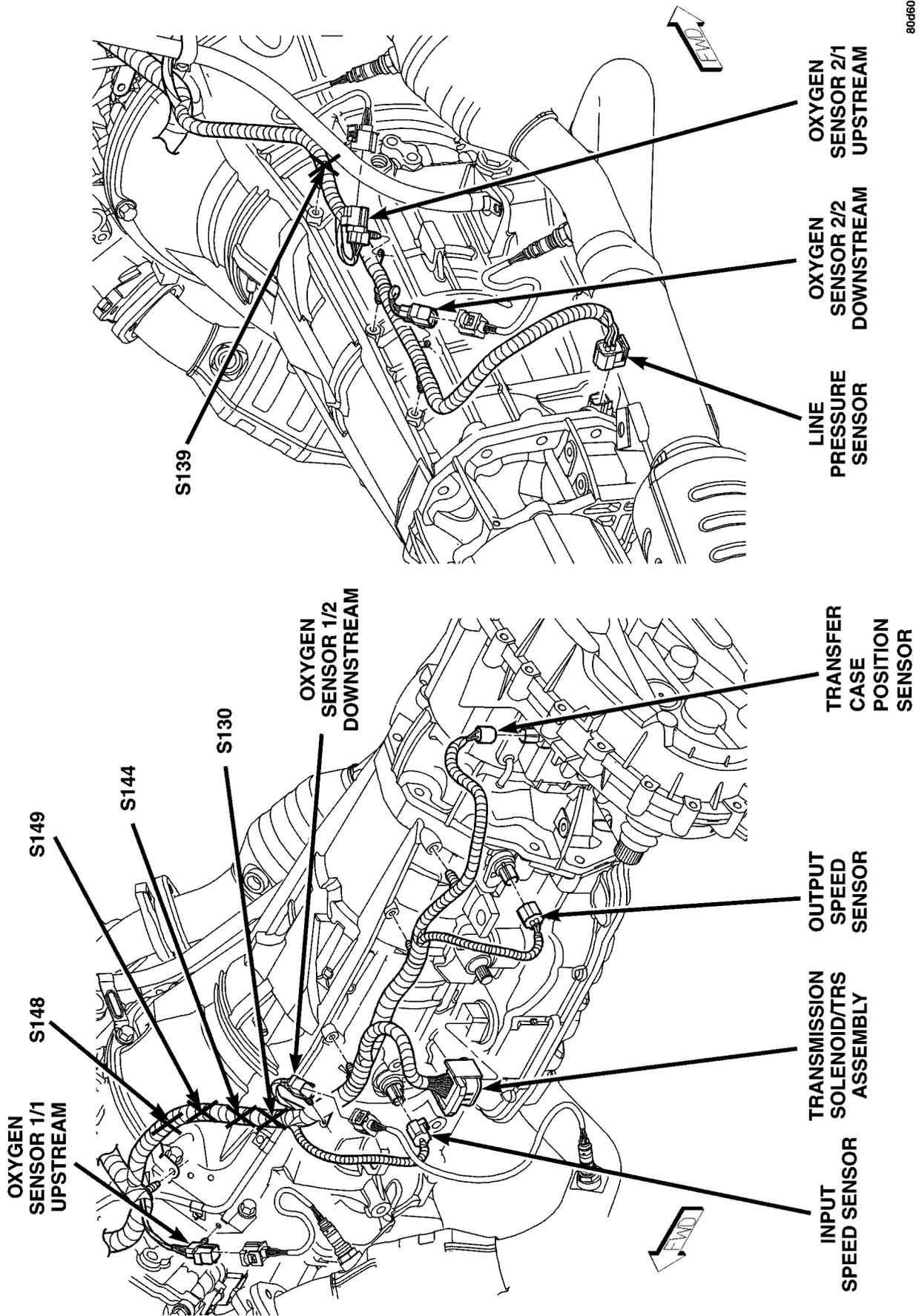


Fig. 12 LEFT SIDE ENGINE AND TRANSMISSION (8.0L)



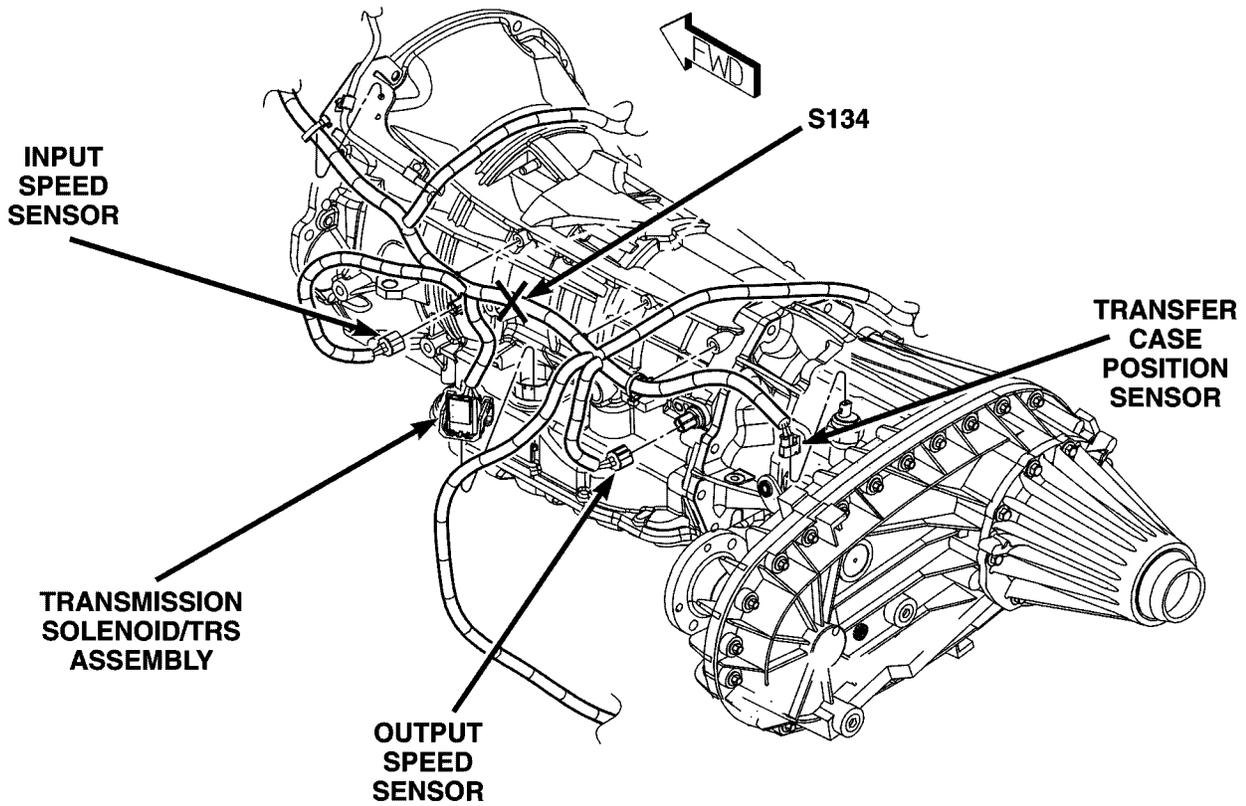
**Fig. 13 LEAK DETECTION PUMP (8.0L)**

810361e1



80d6018c

Fig. 14 TRANSMISSION 45RFE (4X4)



*Fig. 15 TRANSMISSION 45RFE (4X4) (5.7L)*

810361f2

8103620f

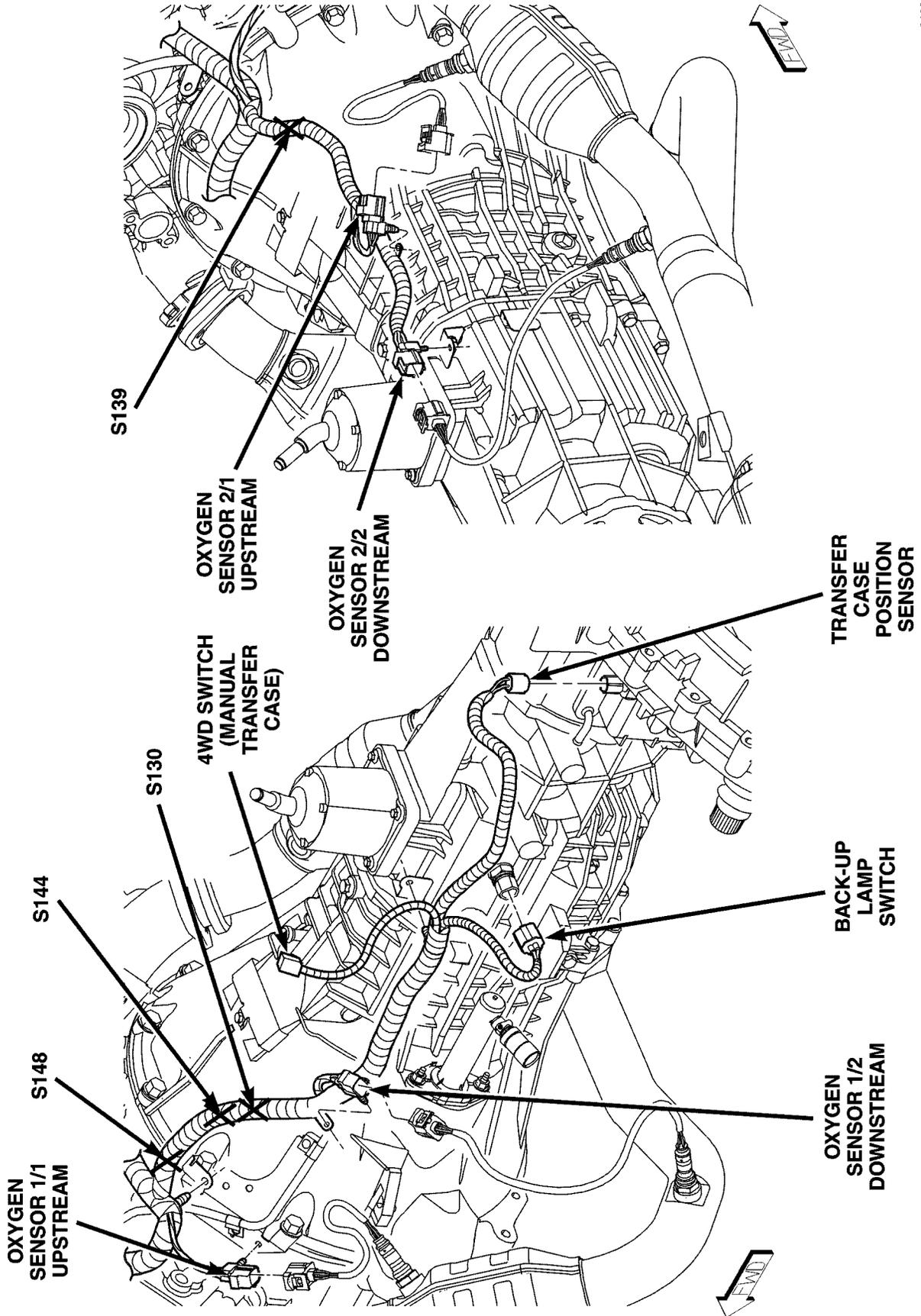


Fig. 16 MANUAL TRANSMISSION (4X4)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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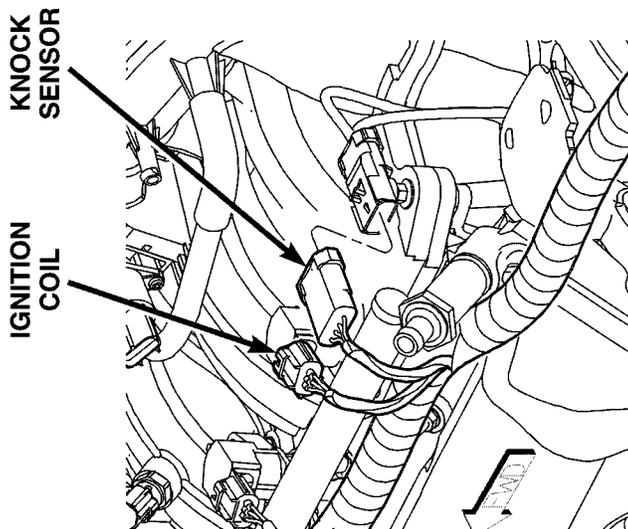
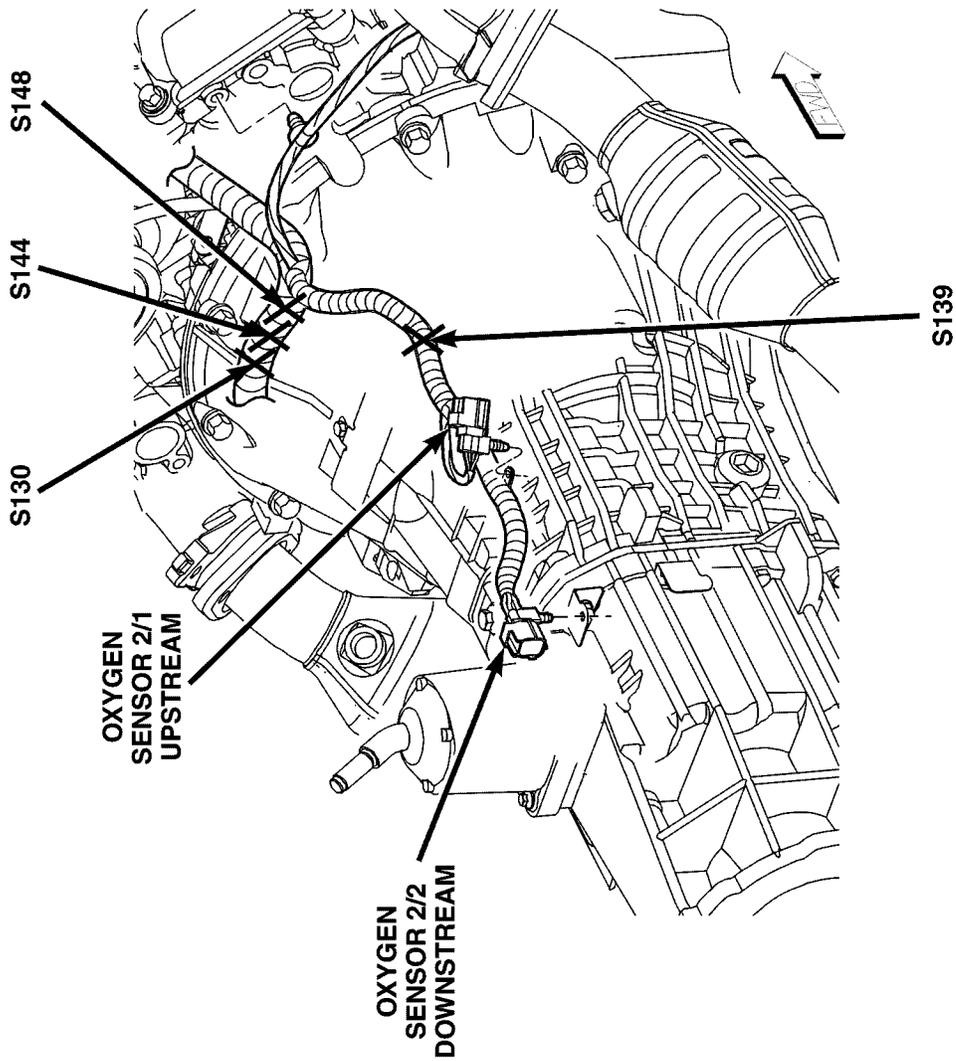
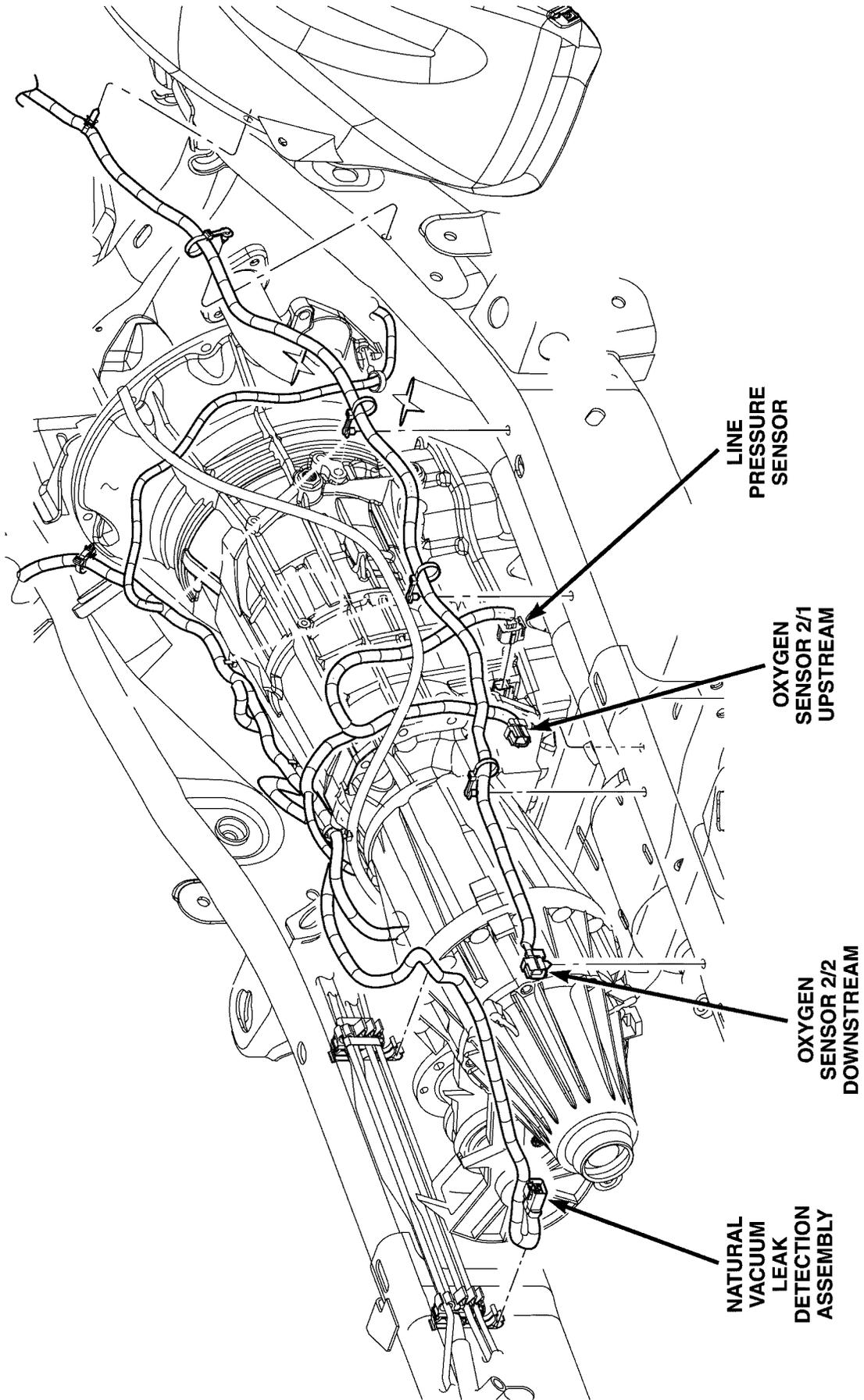


Fig. 17 TRANSMISSION, 4.7L



81036216

Fig. 18 TRANSMISSION 45RFE AUTO (5.7L HEAVY DUTY) (MANUAL SIMILAR)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

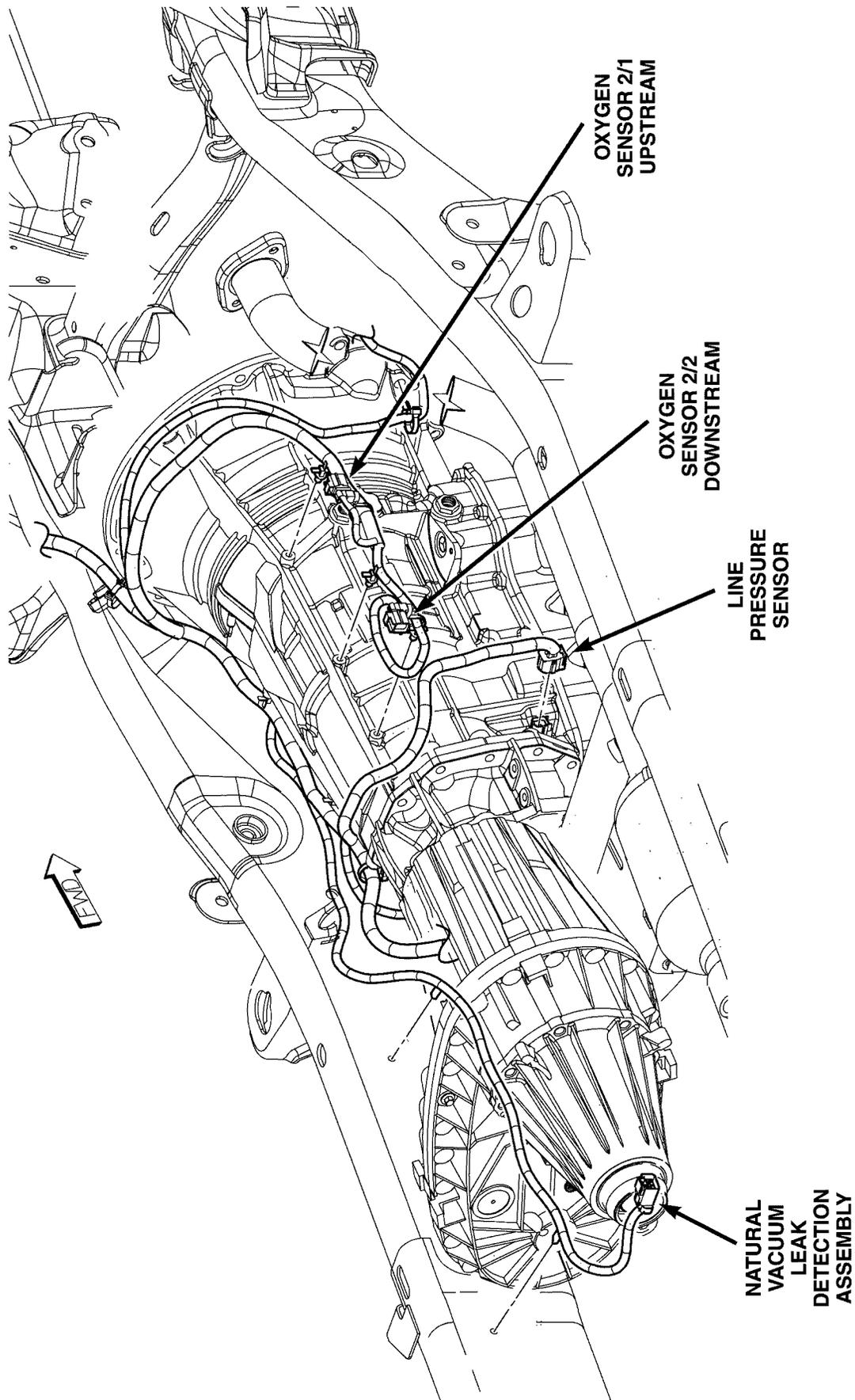
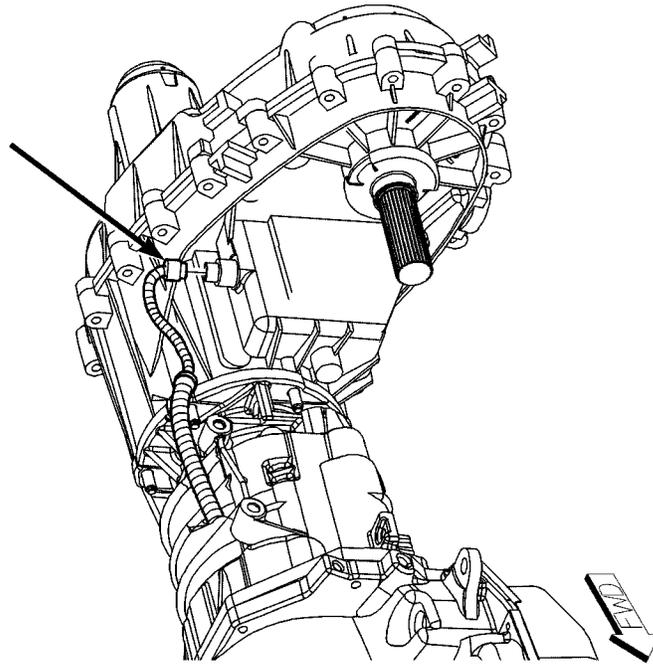


Fig. 19 45RFE TRANSMISSION (5.7L) (LIGHT DUTY)

81036293

**TRANSFER CASE  
POSITION SENSOR**



**TRANSFER  
CASE SHIFT  
MOTOR**

**TRANSFER  
CASE MODE  
SENSOR**

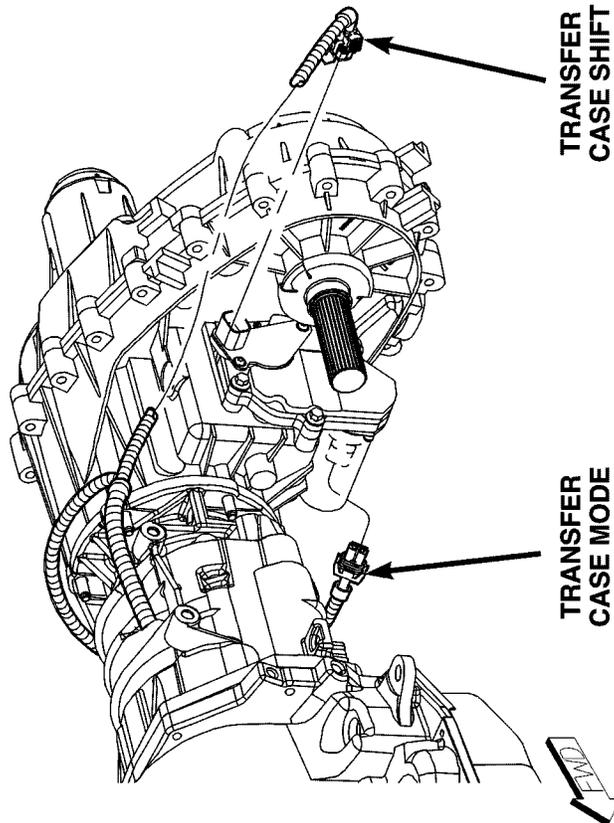


Fig. 20 LEFT FRONT TRANSFER CASE

810362d7

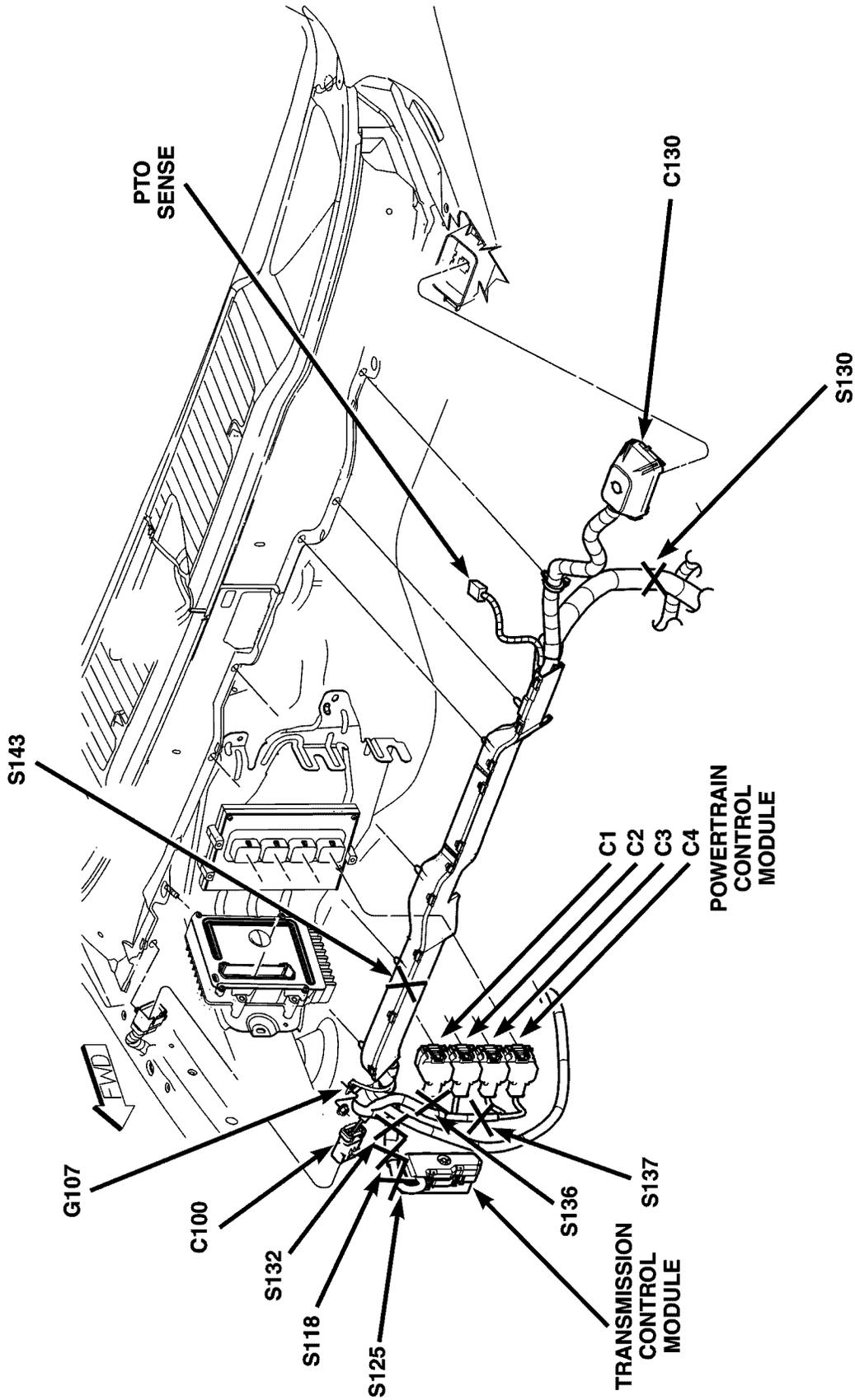


Fig. 21 REAR ENGINE COMPARTMENT (4.7L/5.7L)

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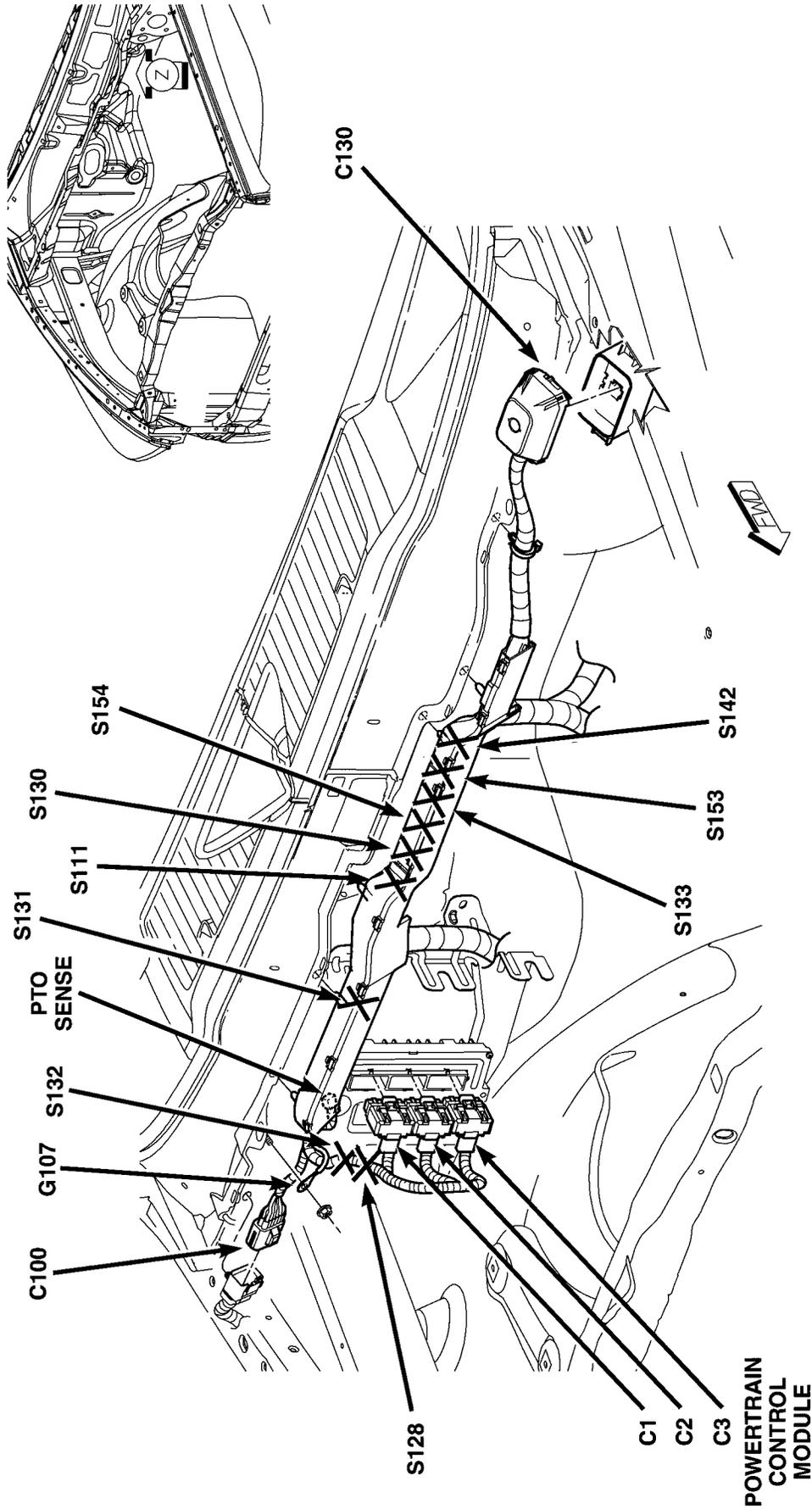


Fig. 22 REAR ENGINE COMPARTMENT (8.0L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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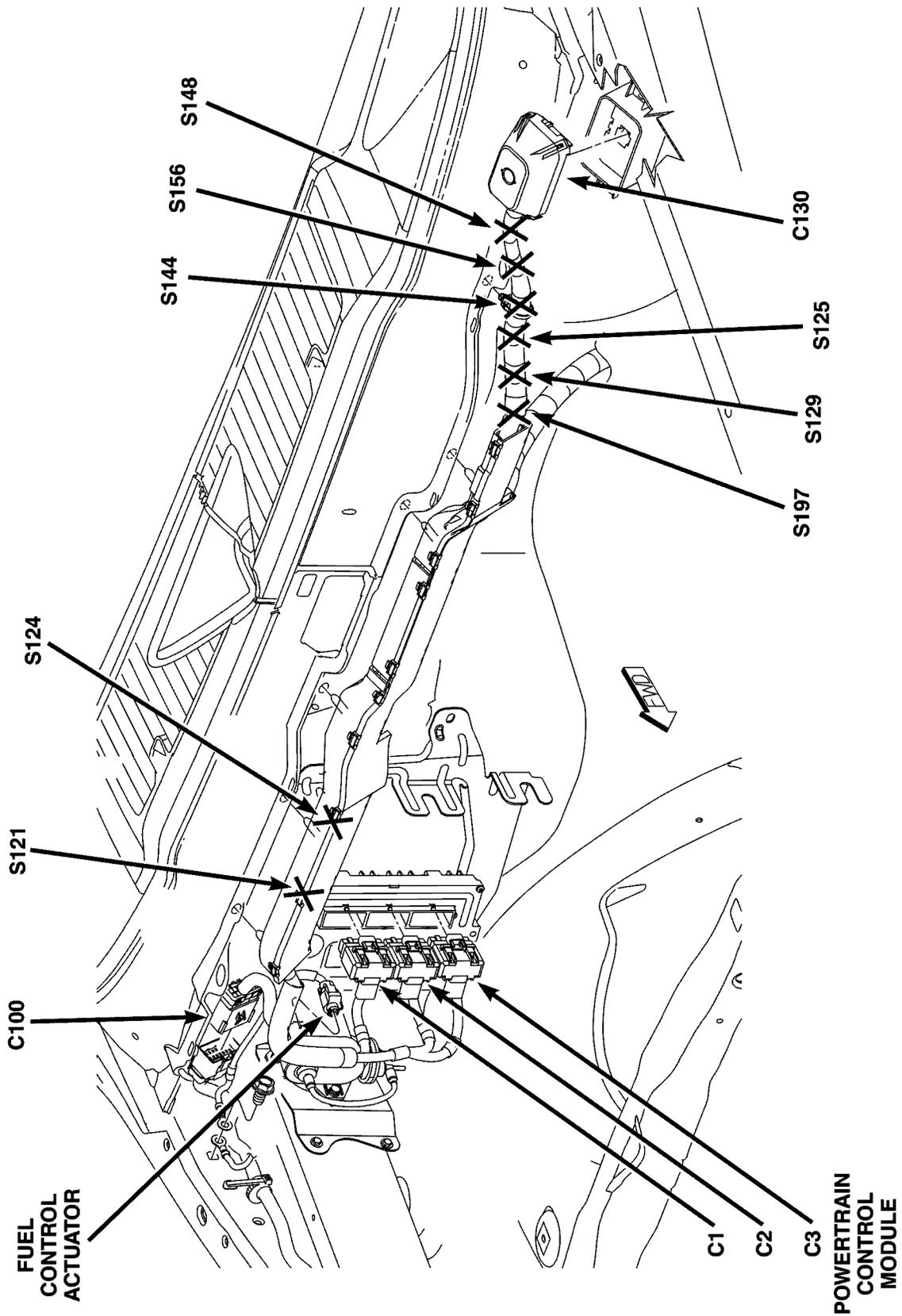
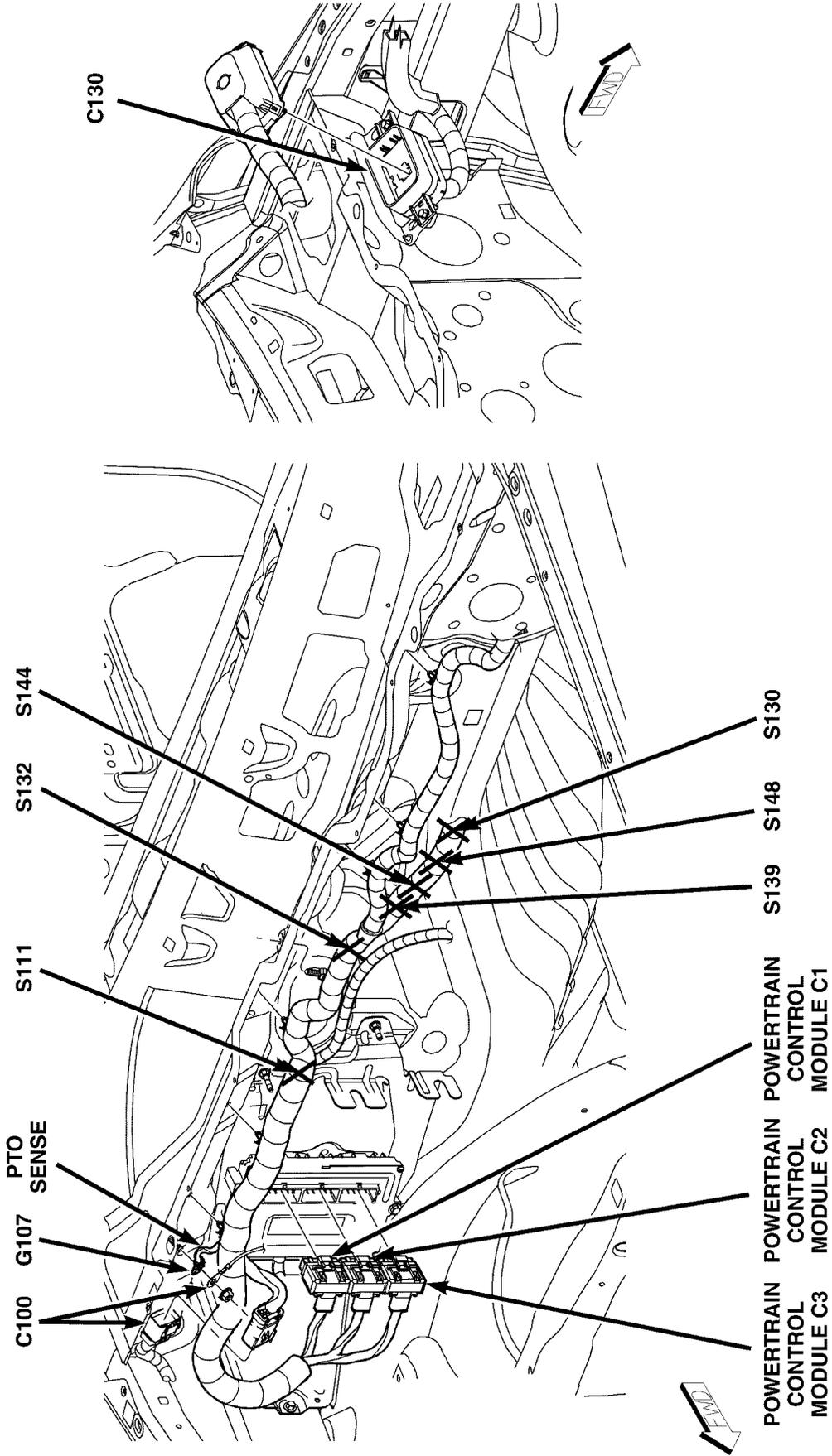


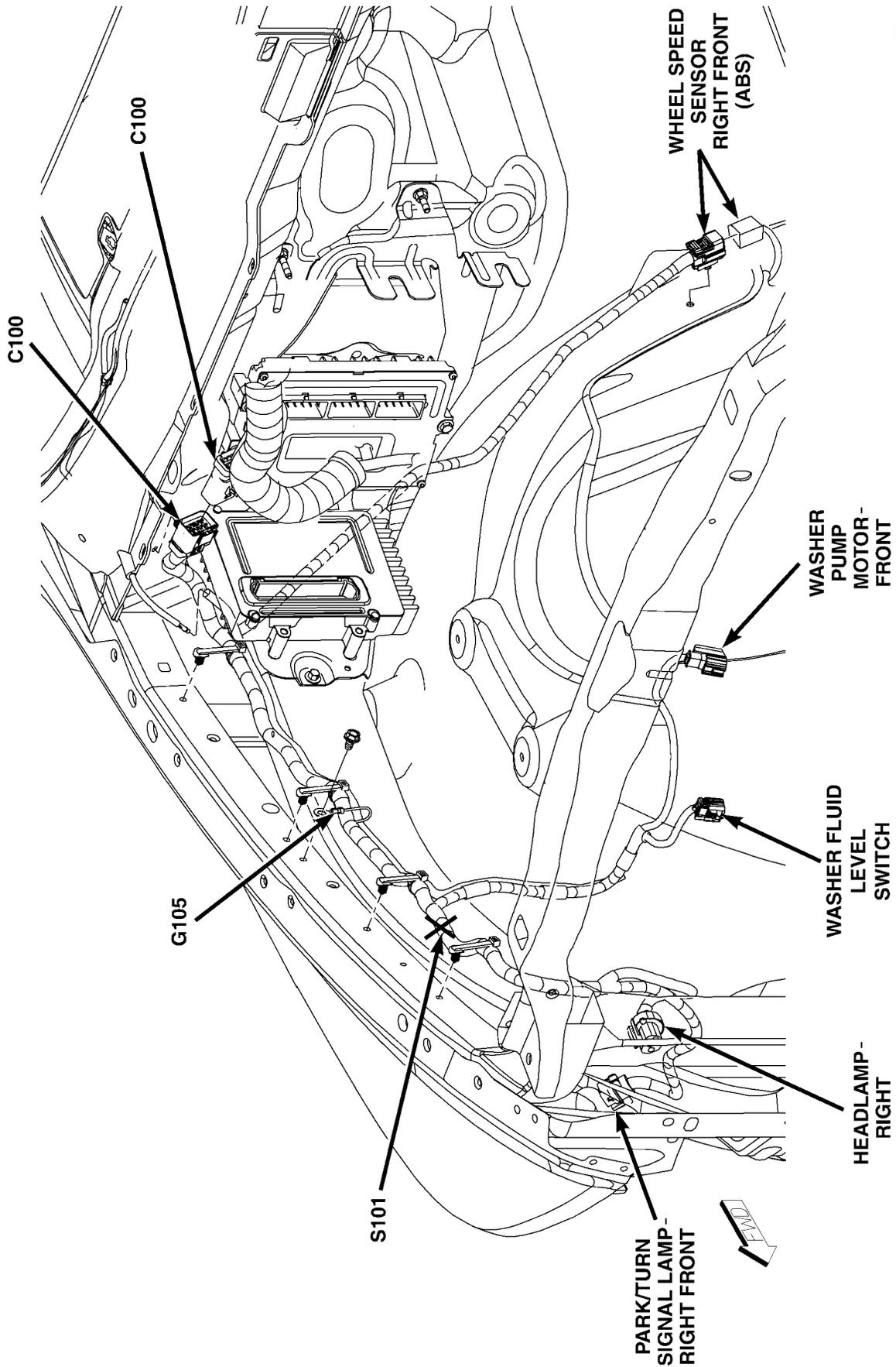
Fig. 23 REAR ENGINE COMPARTMENT (DIESEL)



80460178

Fig. 24 TOP REAR ENGINE COMPARTMENT (5.9L)

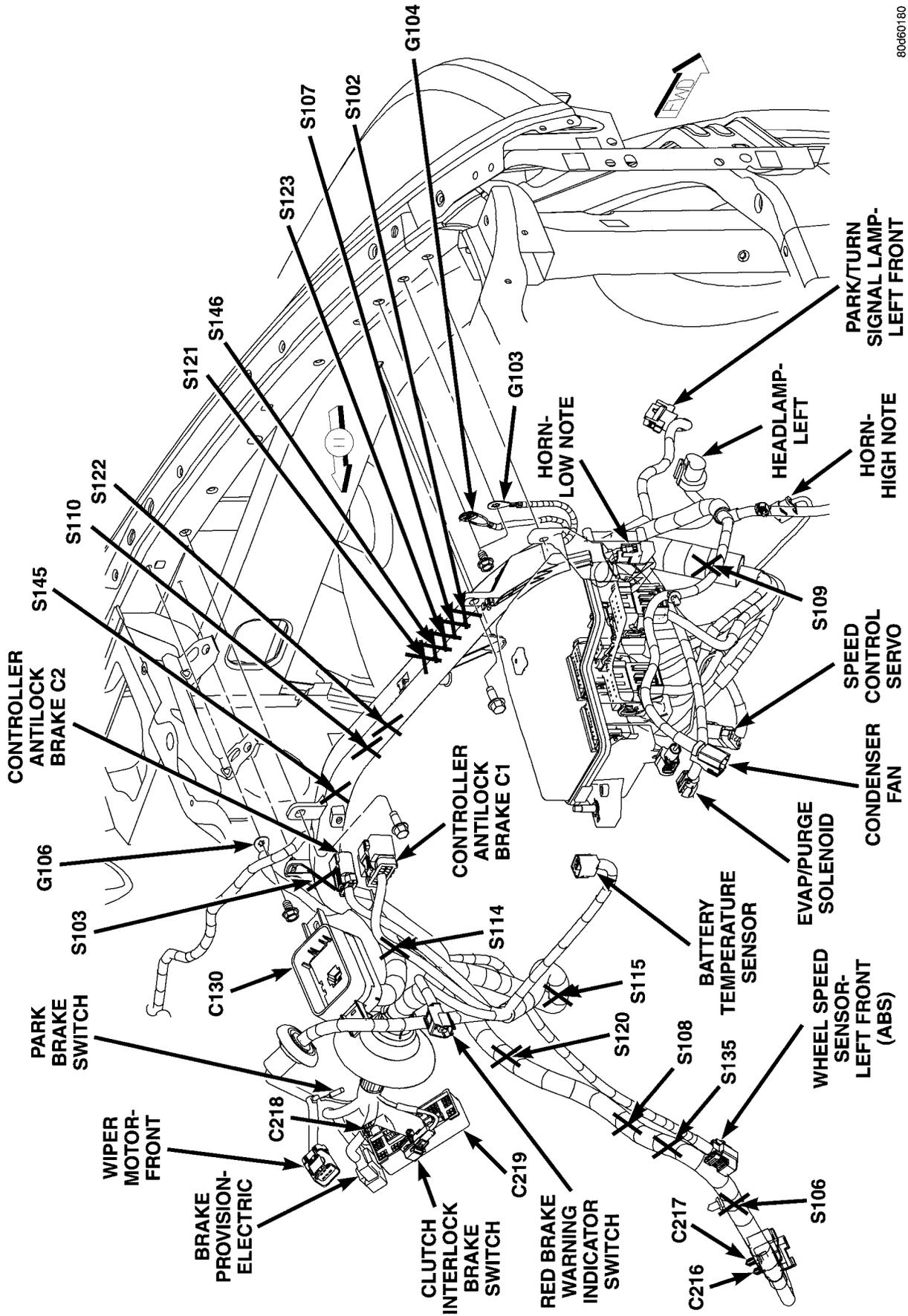
CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80d60181

Fig. 25 RIGHT SIDE ENGINE COMPARTMENT

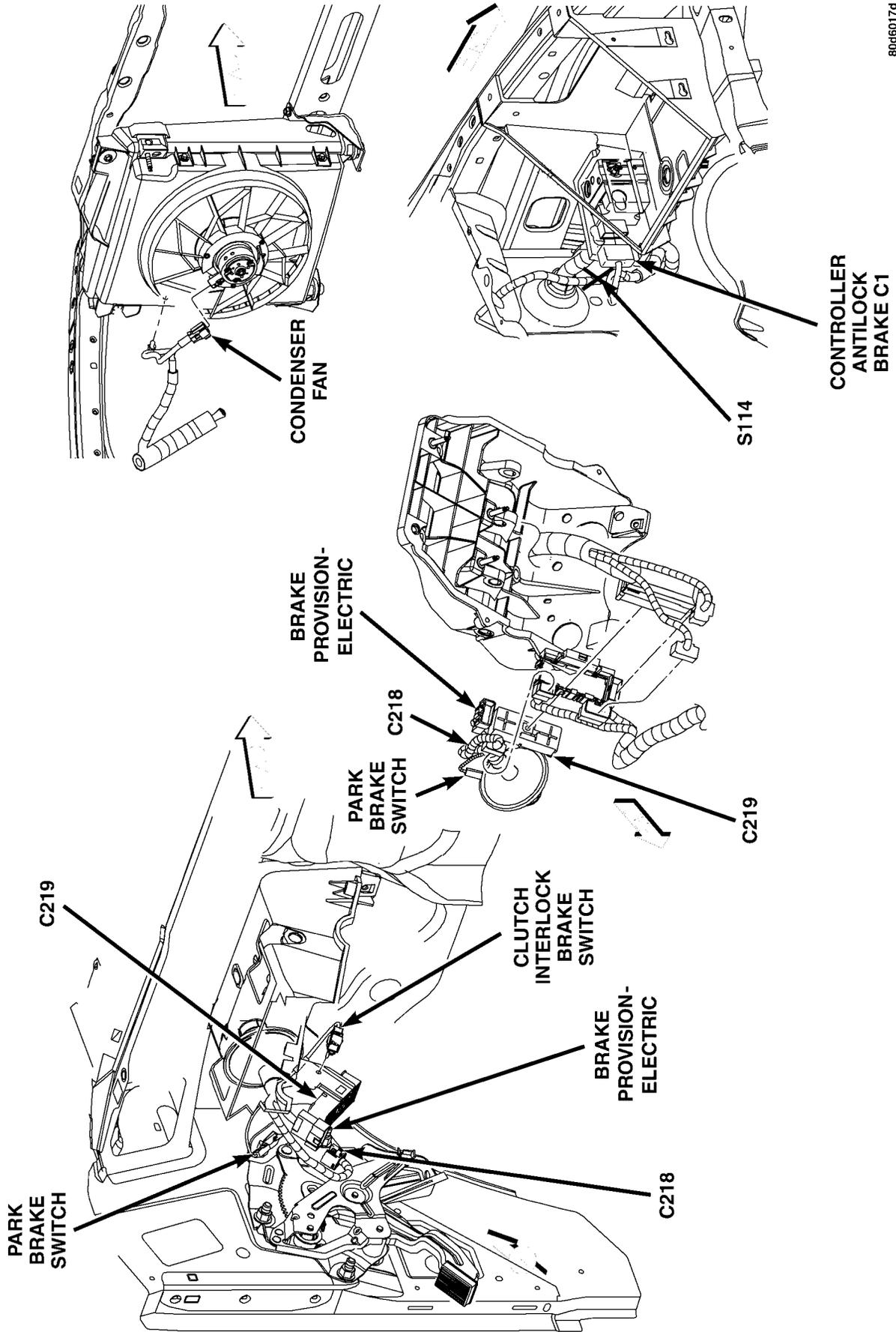
CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80460180

Fig. 26 LEFT SIDE ENGINE COMPARTMENT

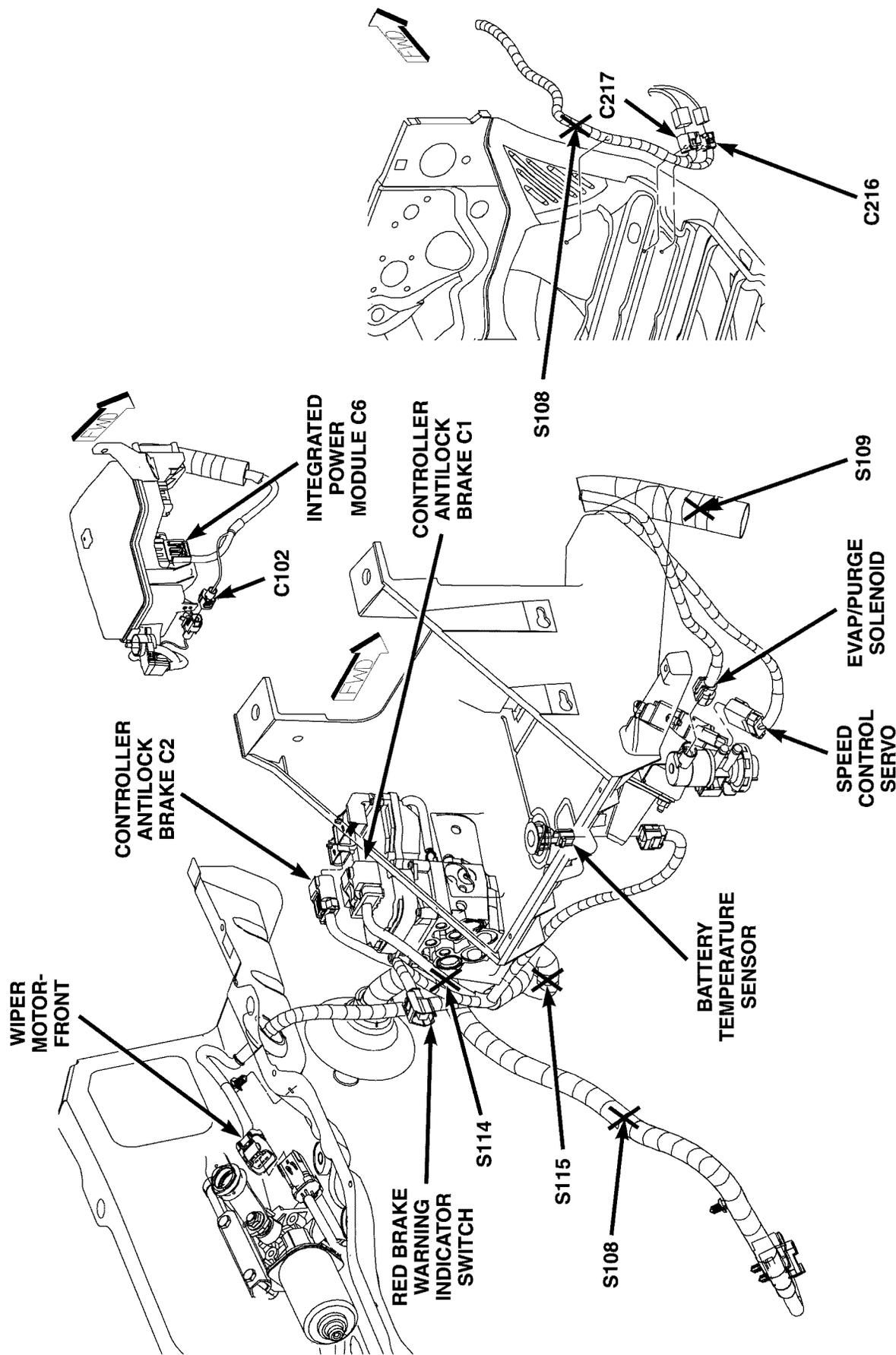
CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80d6017d

Fig. 27 LEFT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



80d6017c

Fig. 28 LEFT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

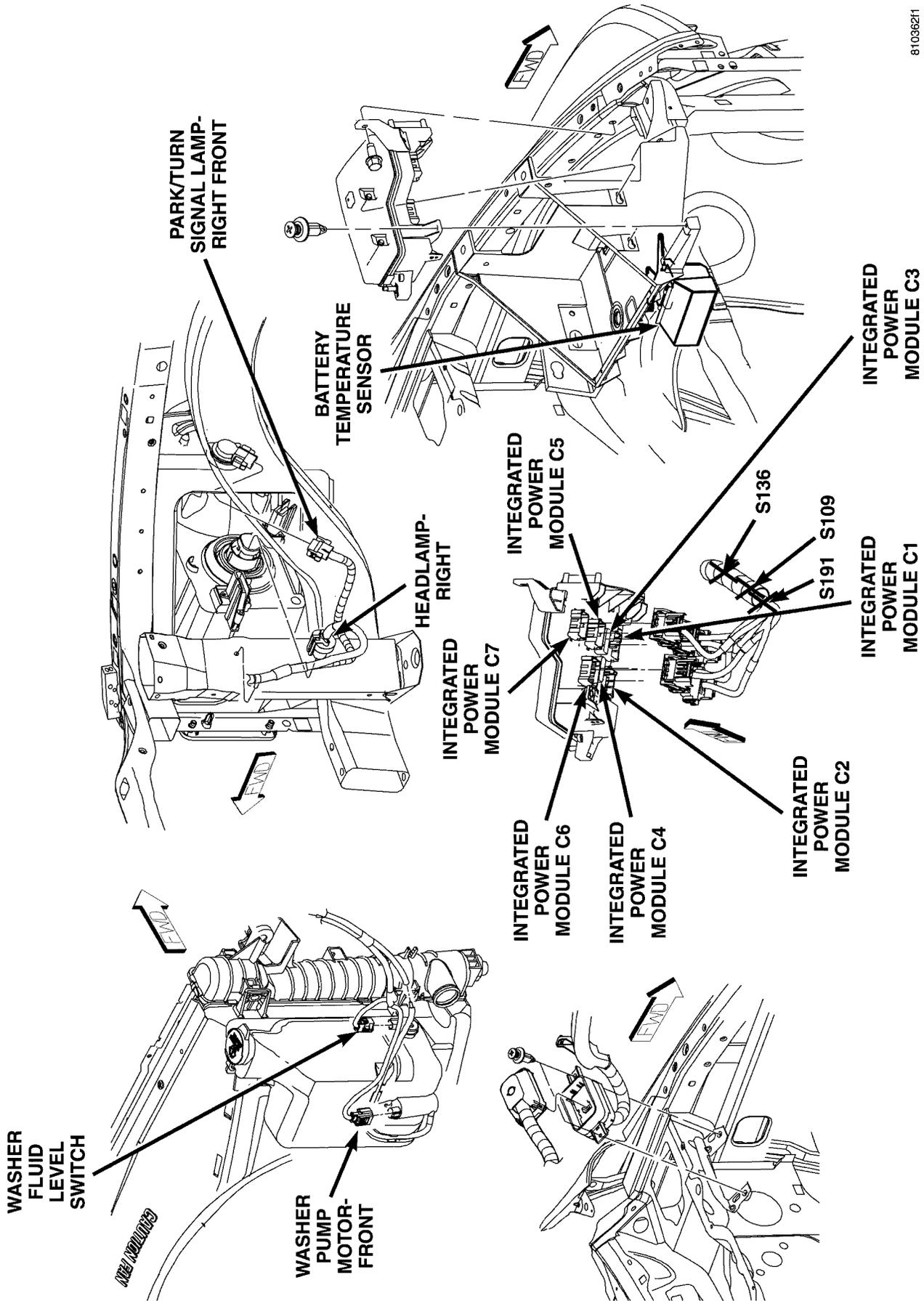


Fig. 29 LEFT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

8103642b

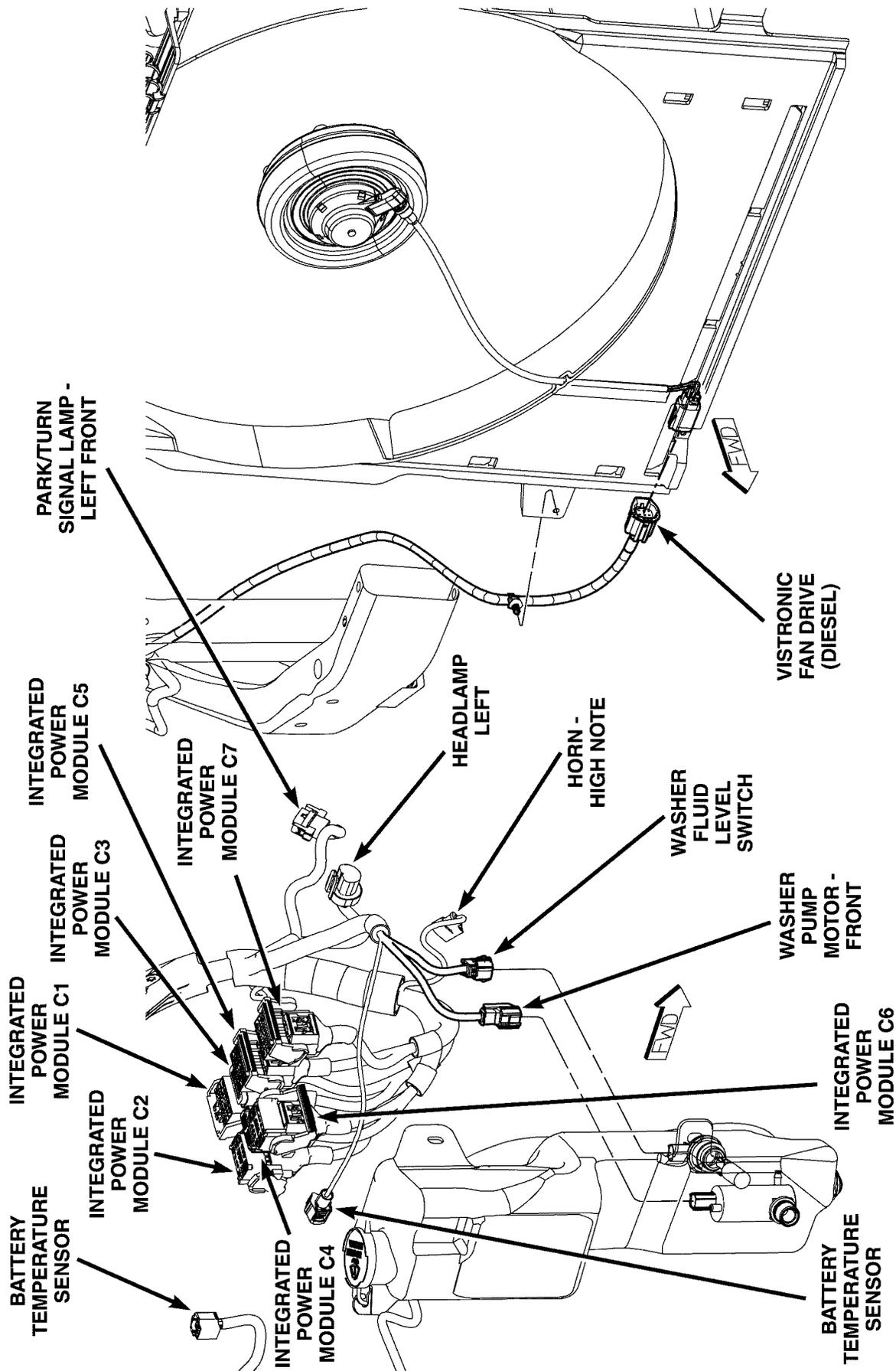
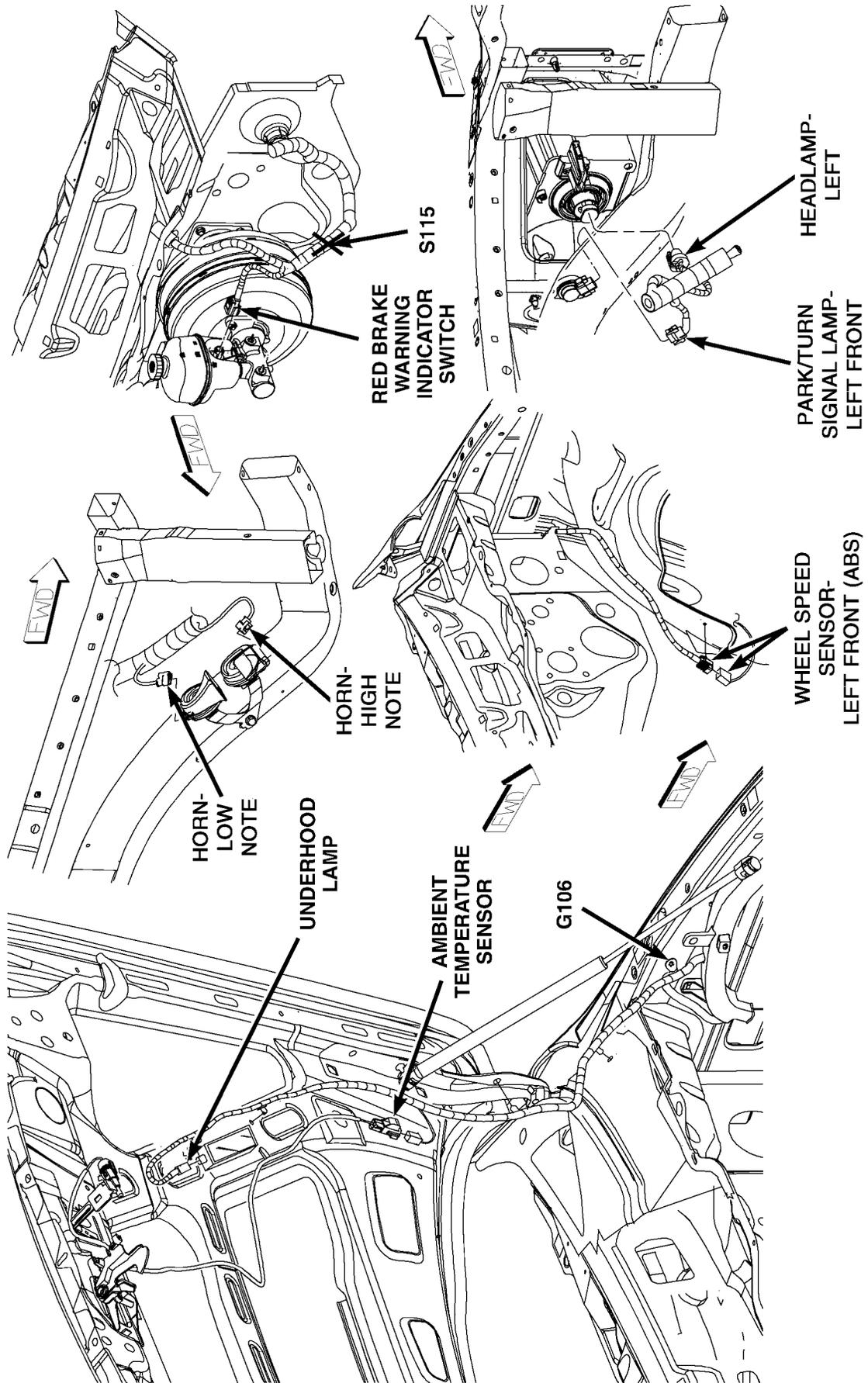


Fig. 30 INTEGRATED POWER MODULE AND FAN

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



8046017a

Fig. 31 LEFT SIDE ENGINE COMPARTMENT AND HOOD

80d60185

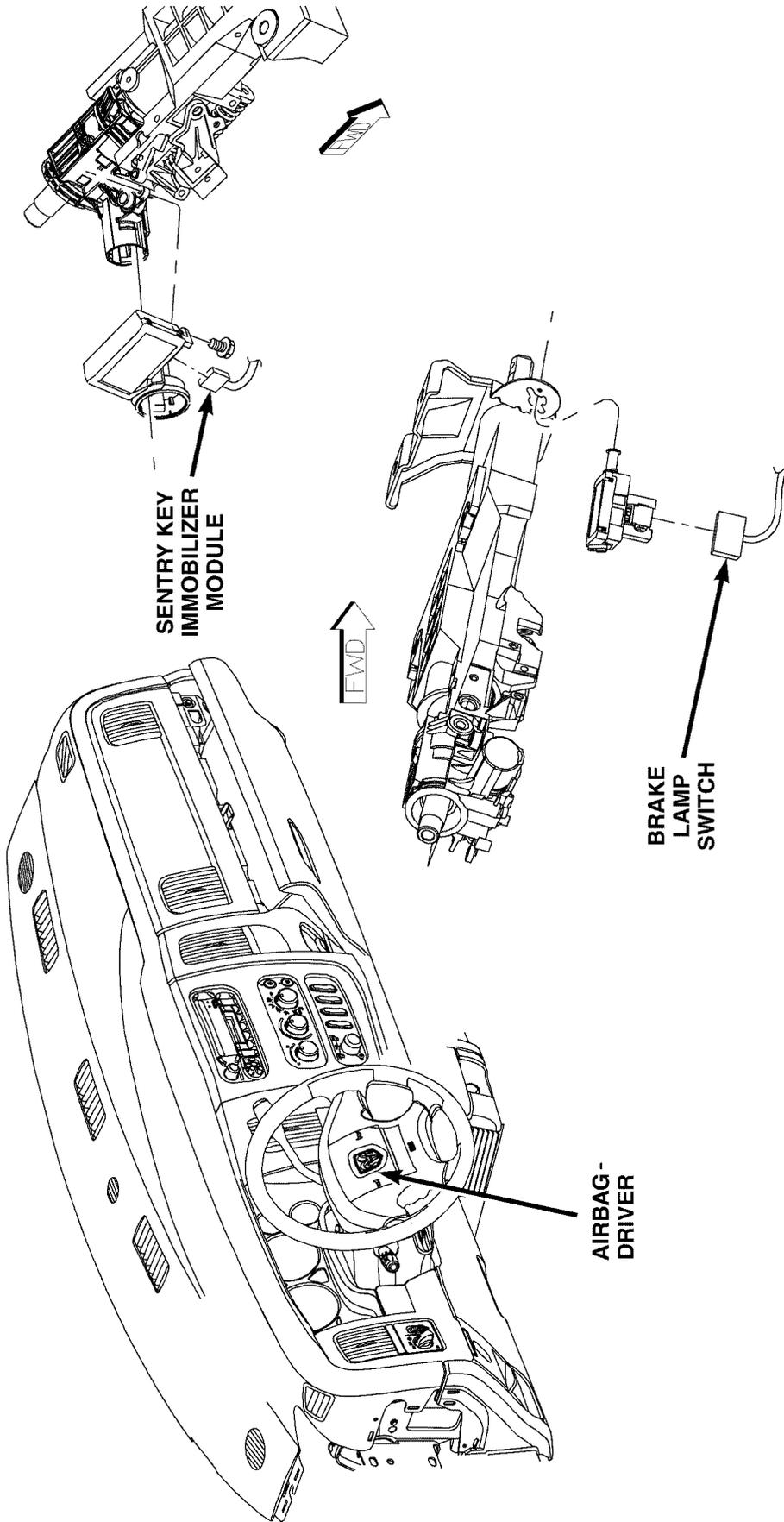
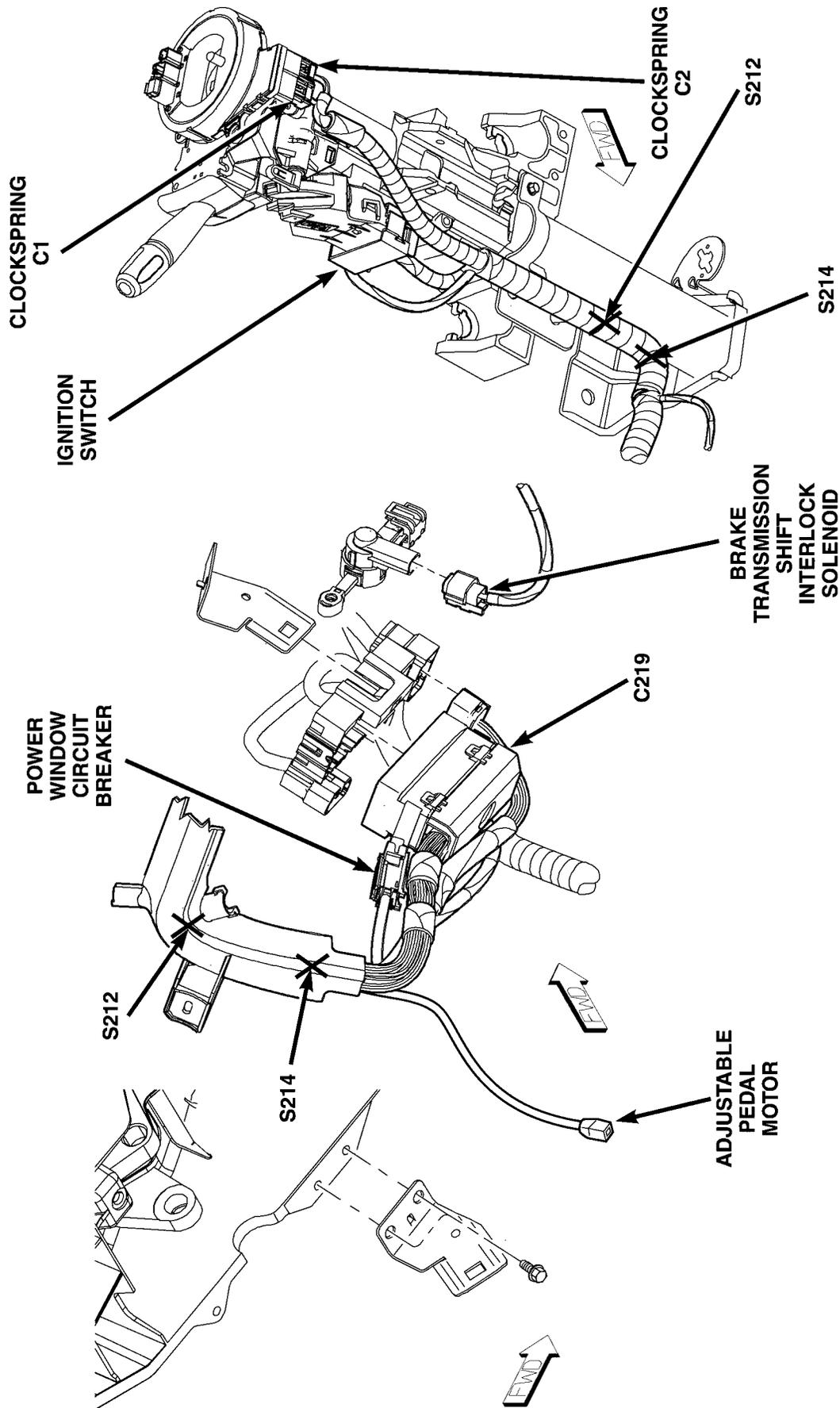


Fig. 32 STEERING COLUMN

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



8103654a

Fig. 33 LEFT STEERING COLUMN

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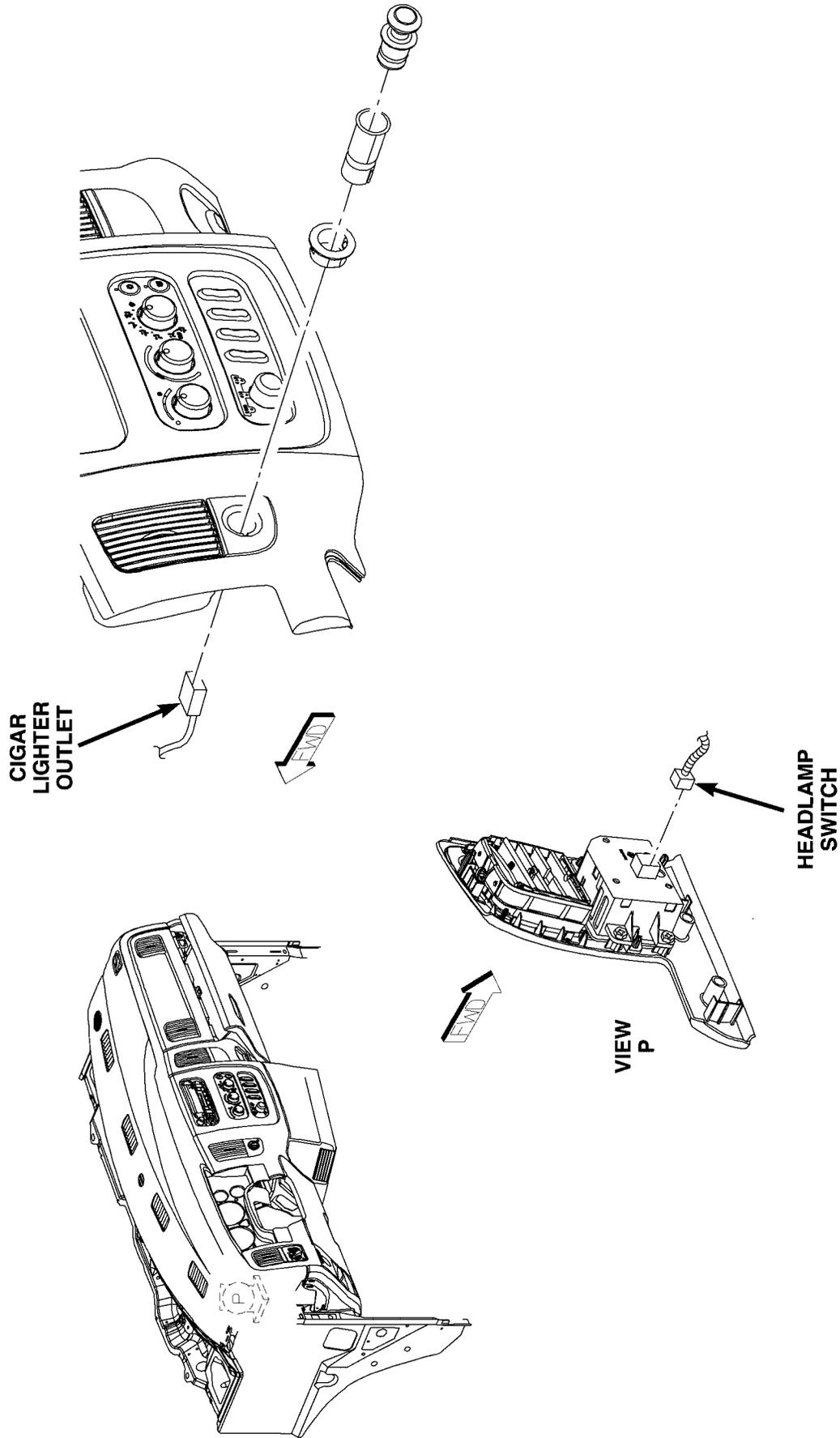


Fig. 34 INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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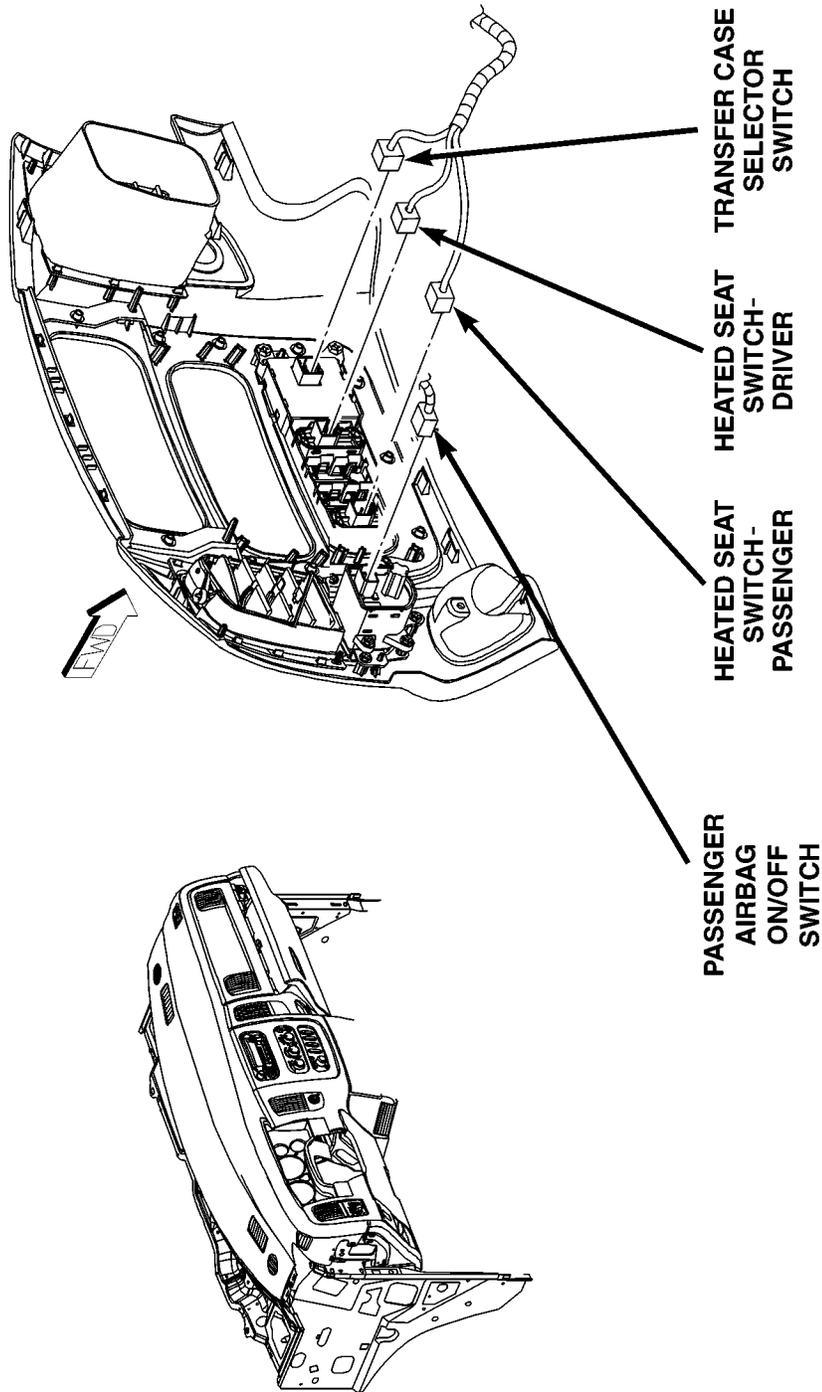


Fig. 35 REAR INSTRUMENT PANEL

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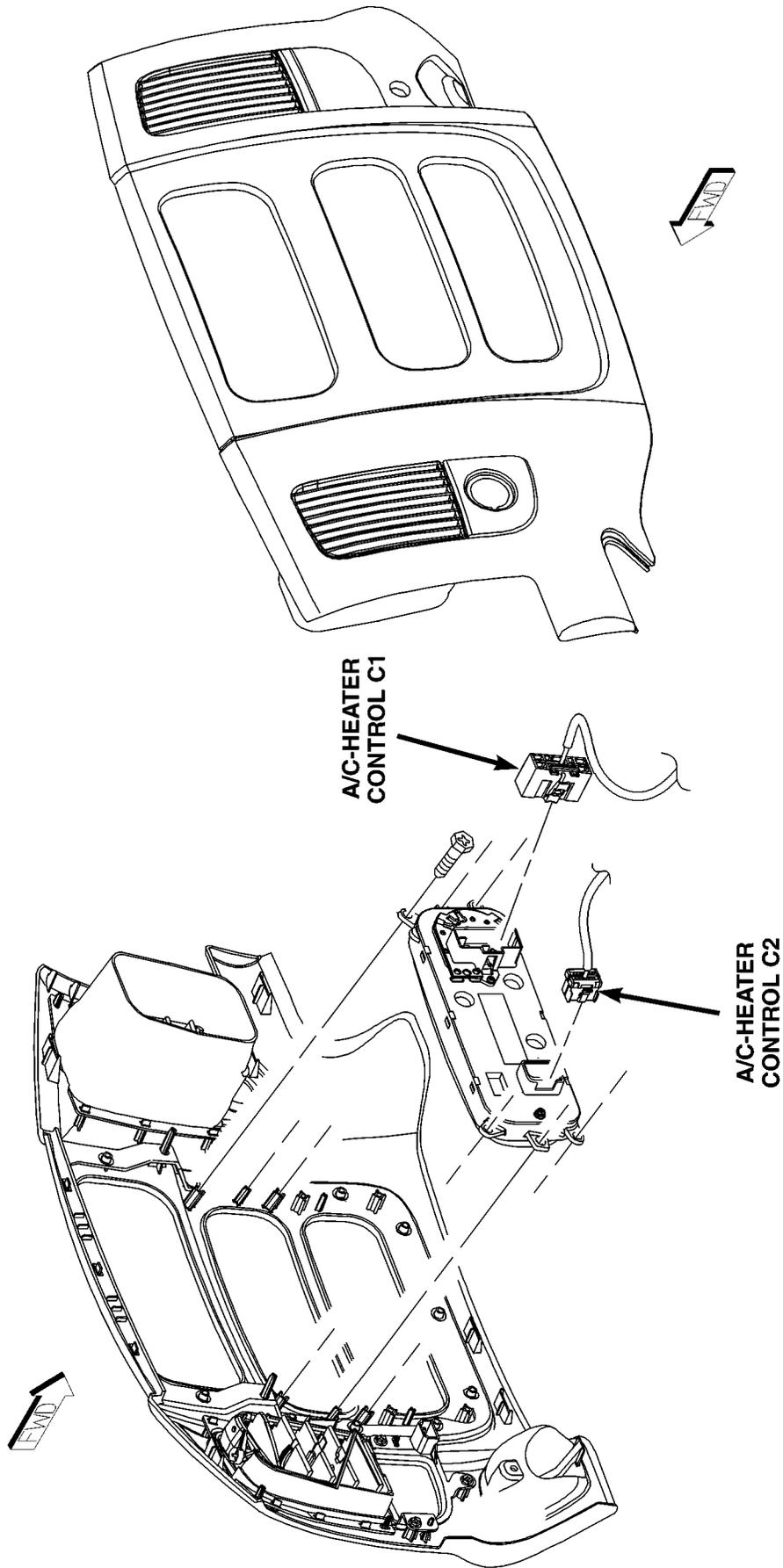


Fig. 36 CENTER INSTRUMENT PANEL



CONNECTOR/GROUND/SPLICE LOCATION (Continued)

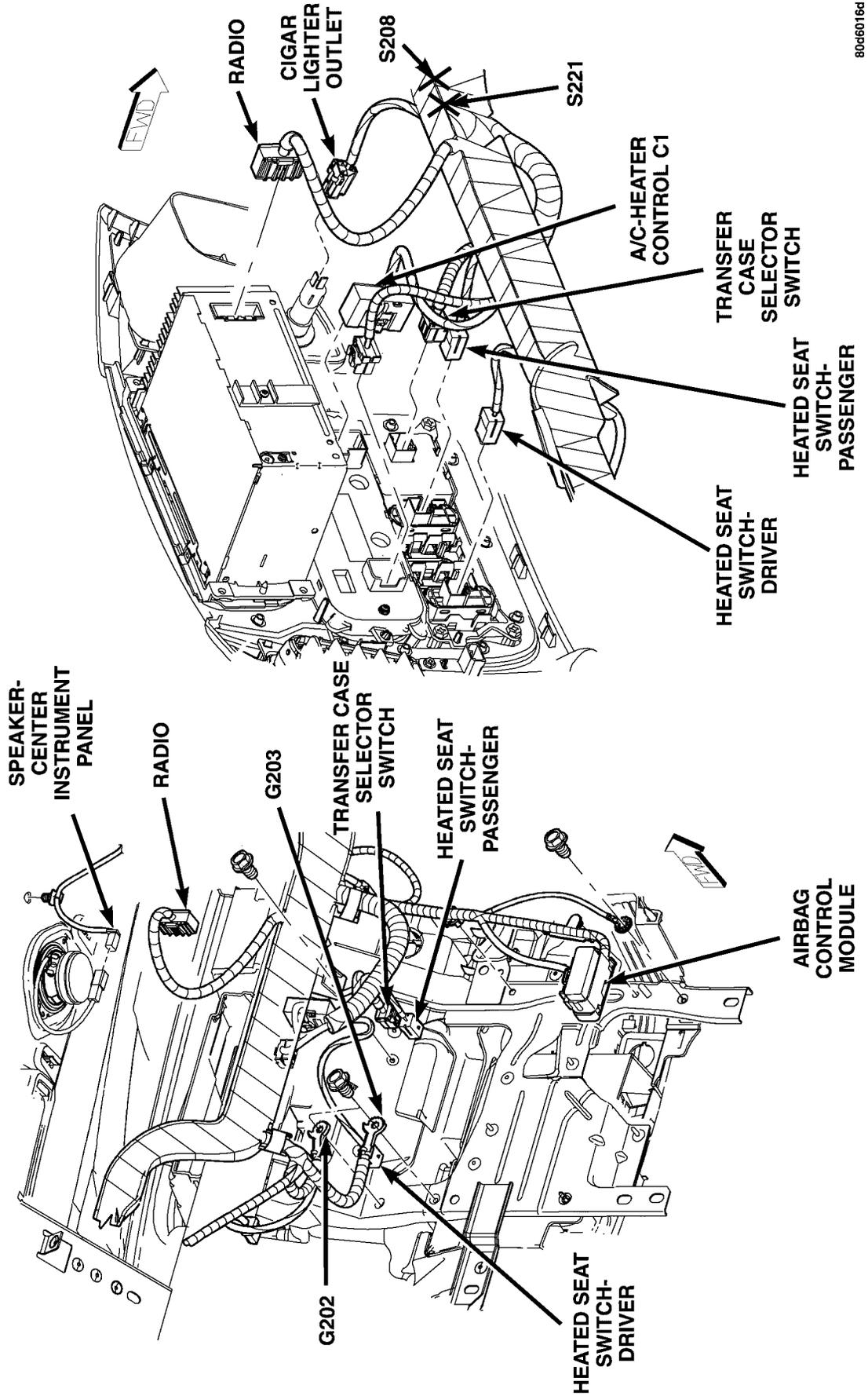


Fig. 38 CENTER INSTRUMENT PANEL

81036a40

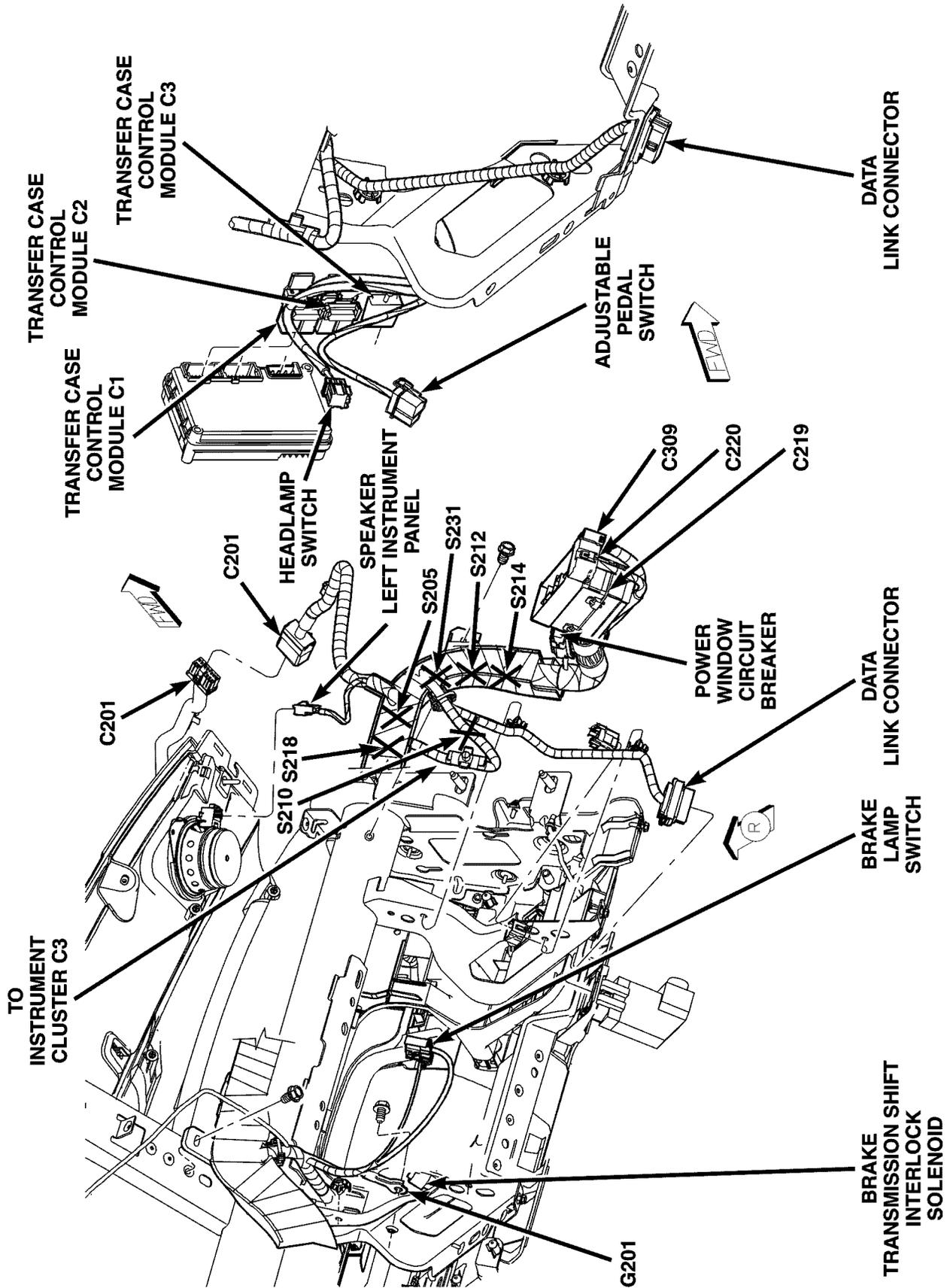


Fig. 39 LEFT INSTRUMENT PANEL

81036b16

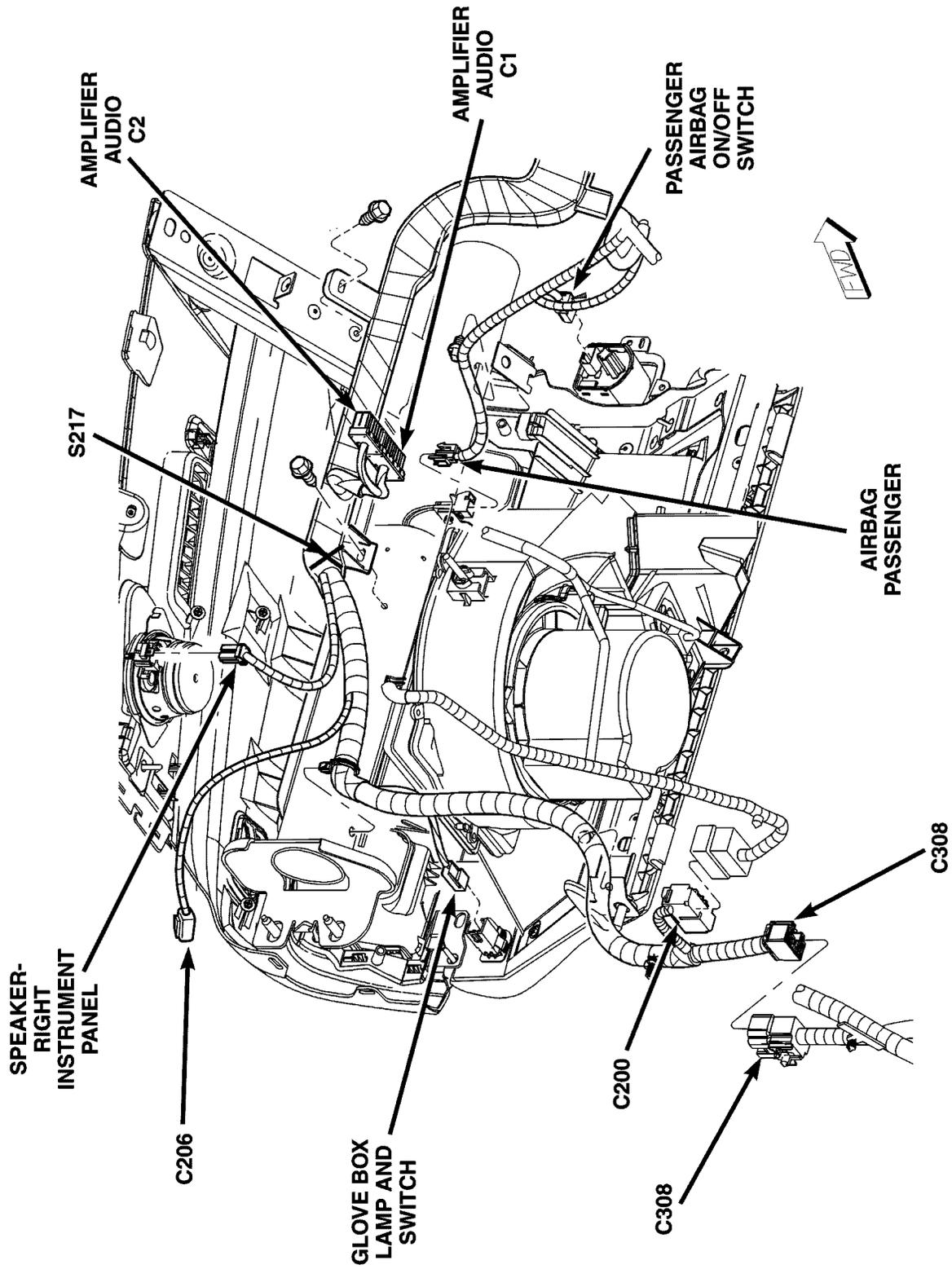
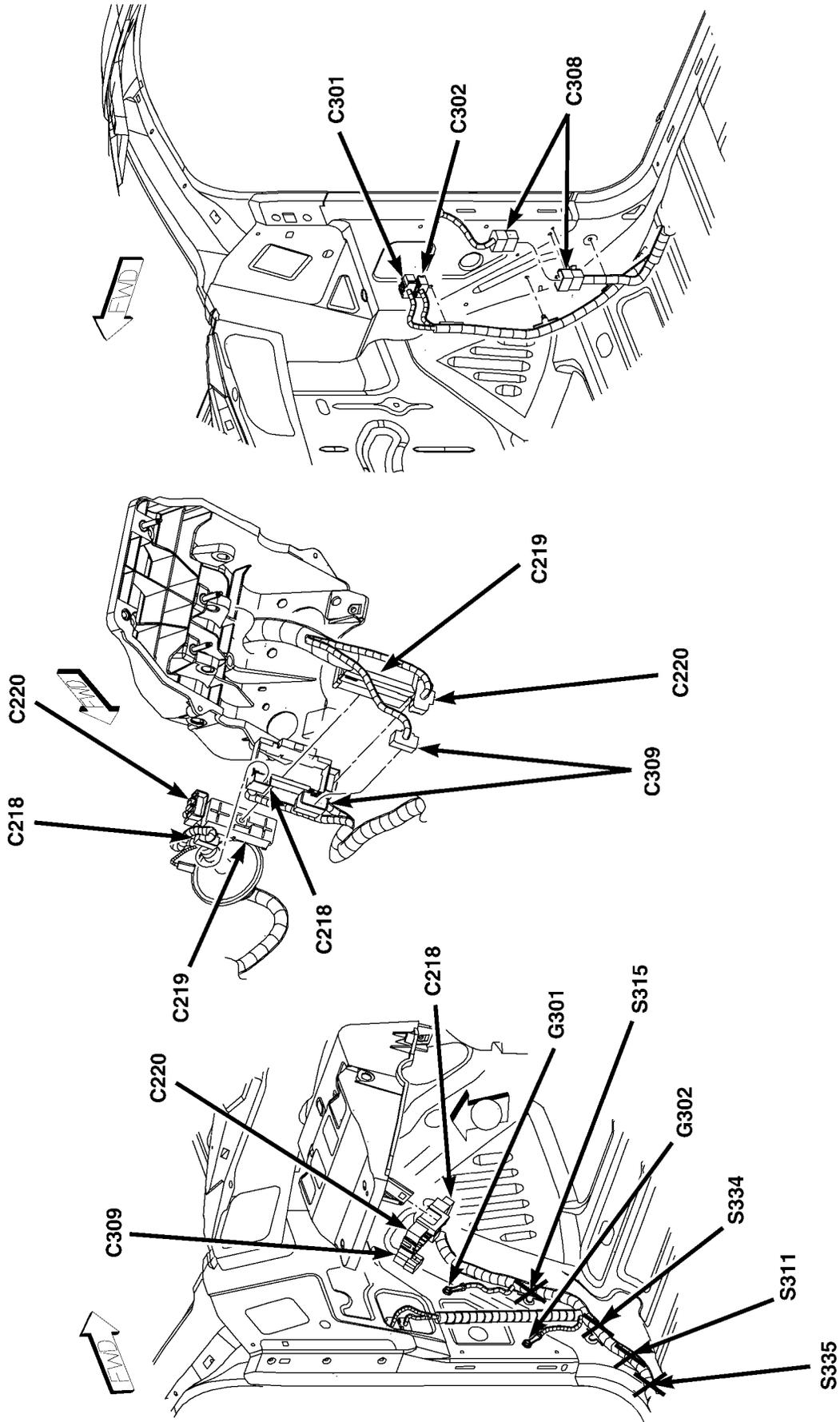


Fig. 40 RIGHT INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



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Fig. 41 STANDARD CAB FRONT BODY

80d60166

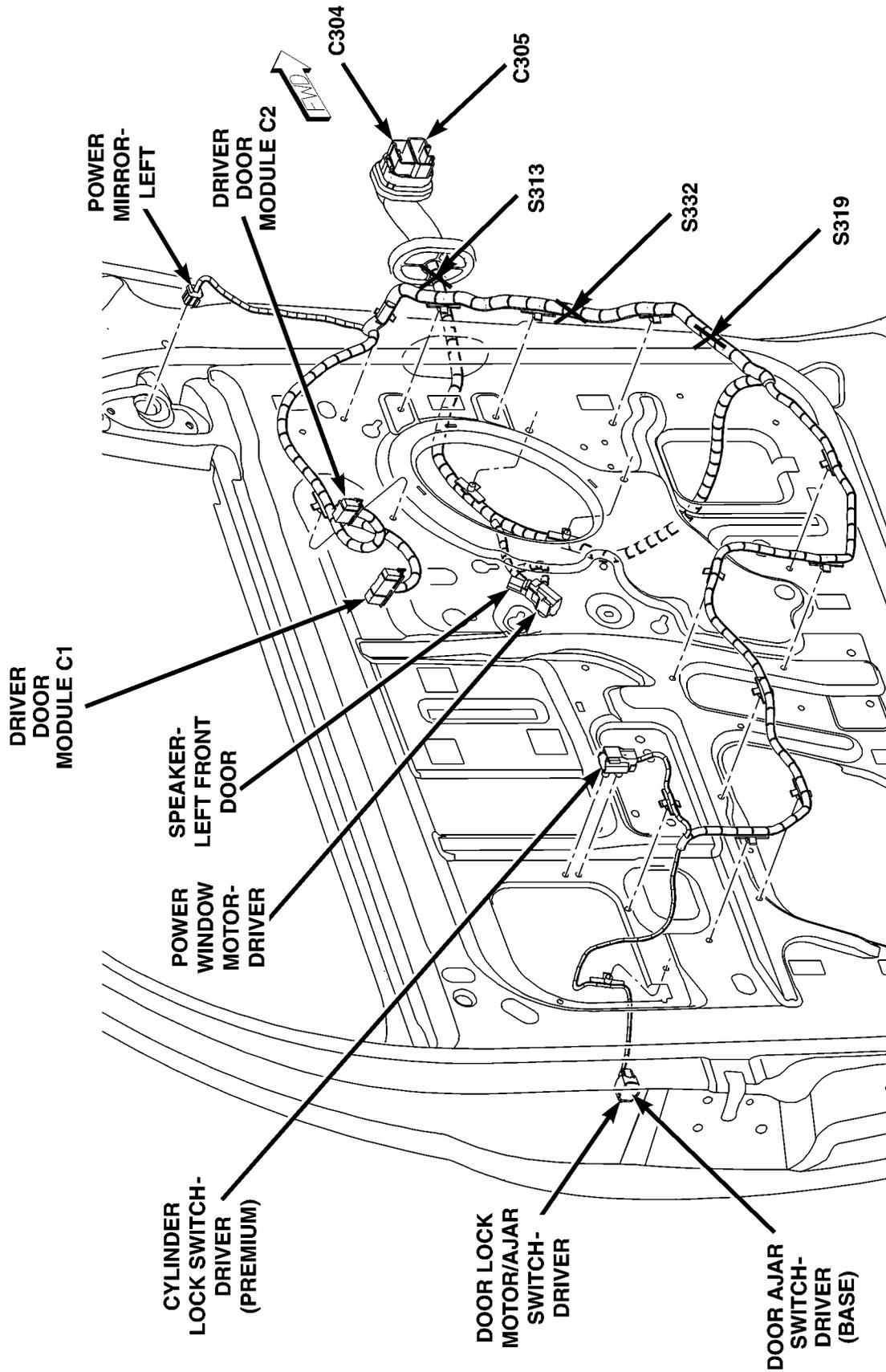


Fig. 42 STANDARD CAB LEFT FRONT DOOR PREMIUM

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

80-660162

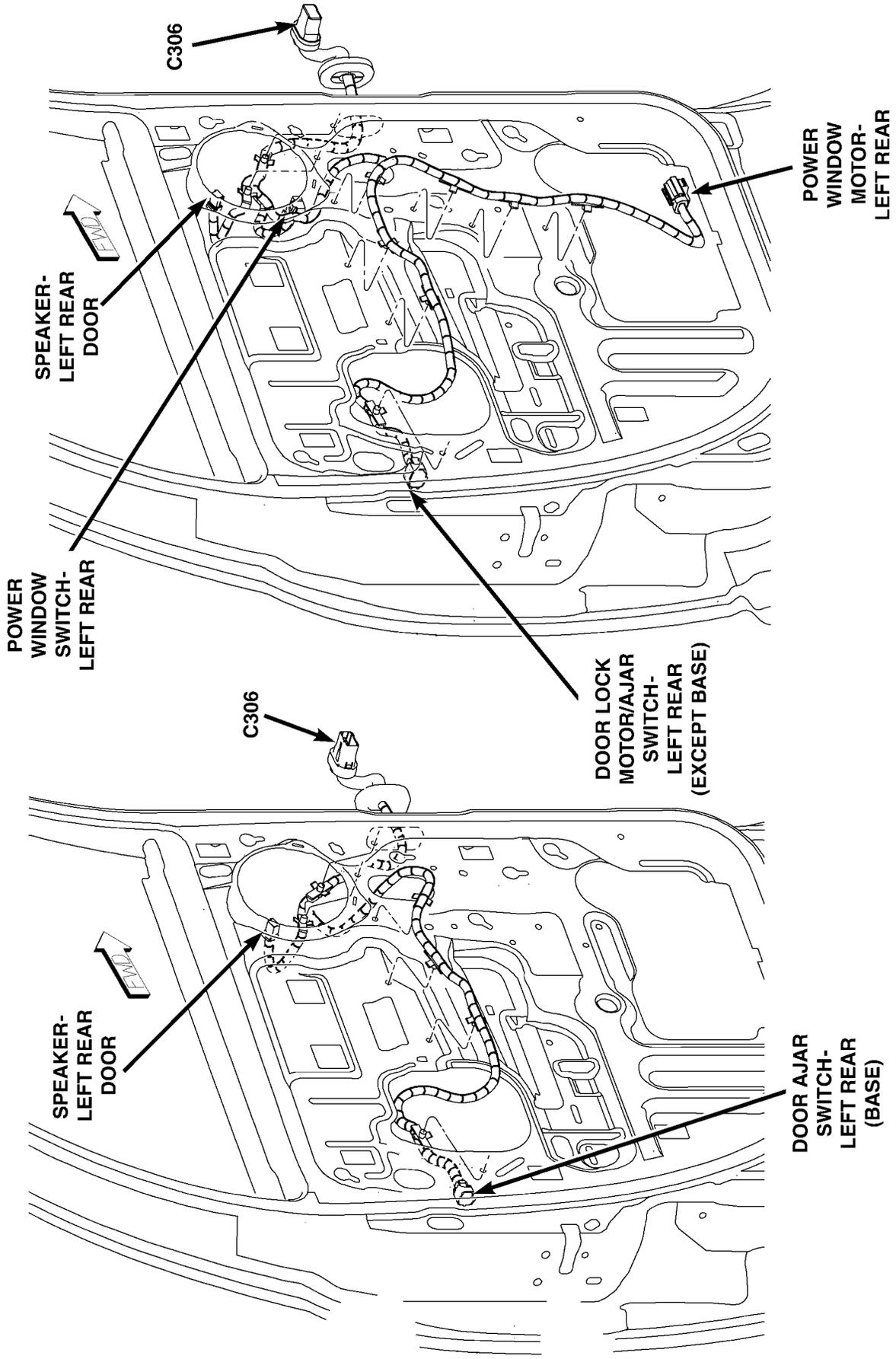


Fig. 43 LEFT REAR DOOR (RIGHT SIDE SIMILAR)

80d60137

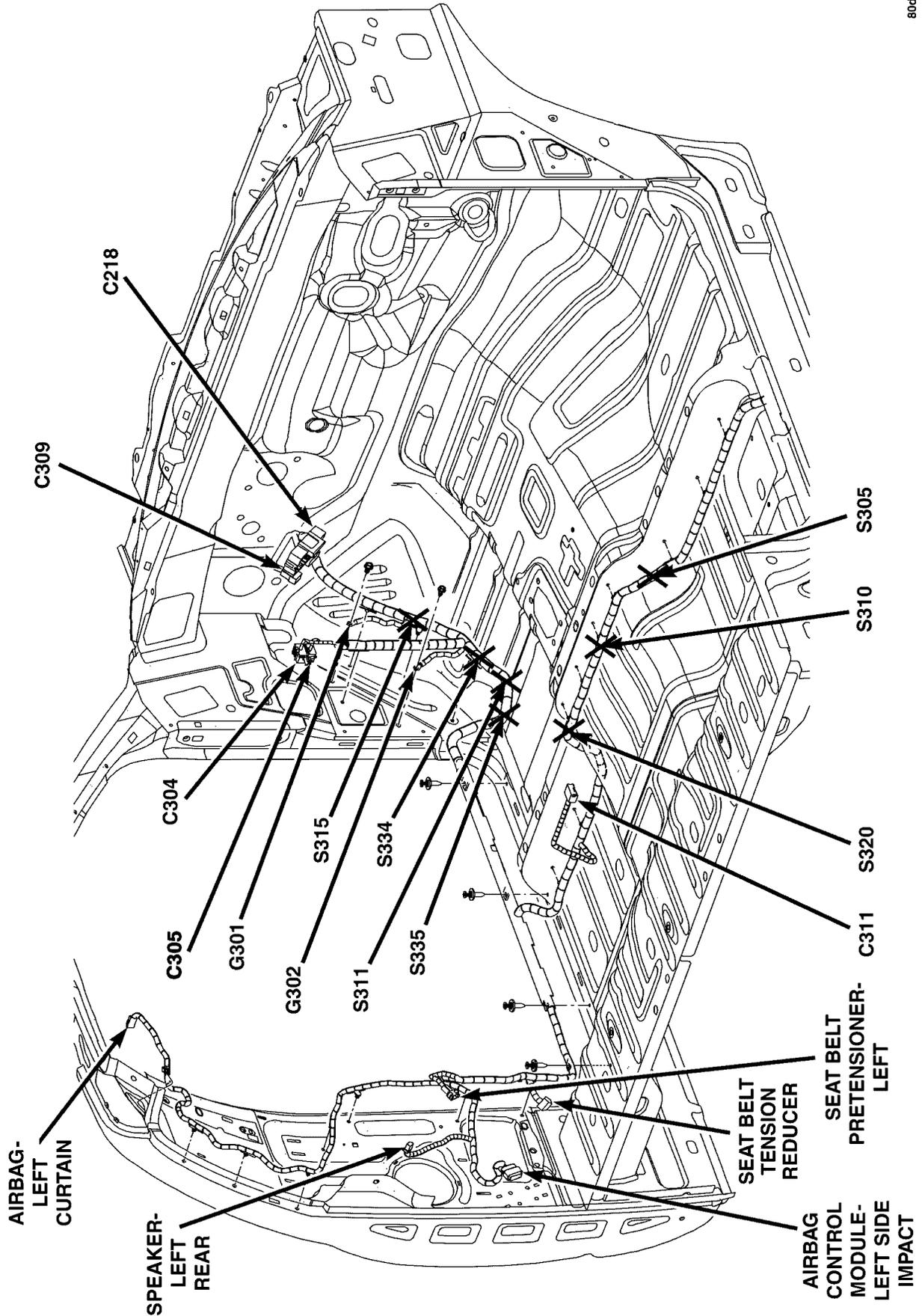


Fig. 44 STANDARD CAB LEFT SIDE BODY

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

80d60139

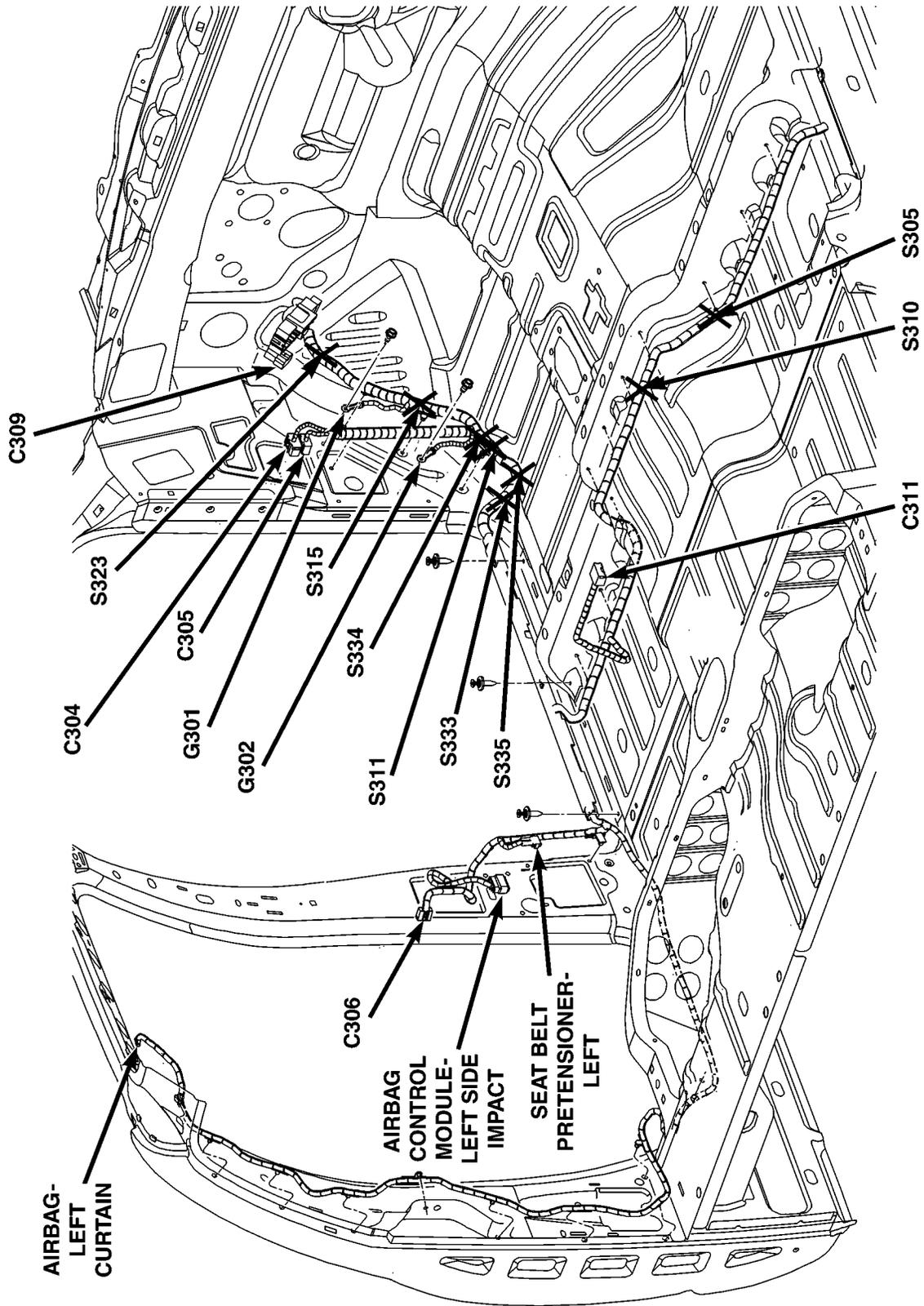


Fig. 45 QUAD CAB LEFT SIDE BODY

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

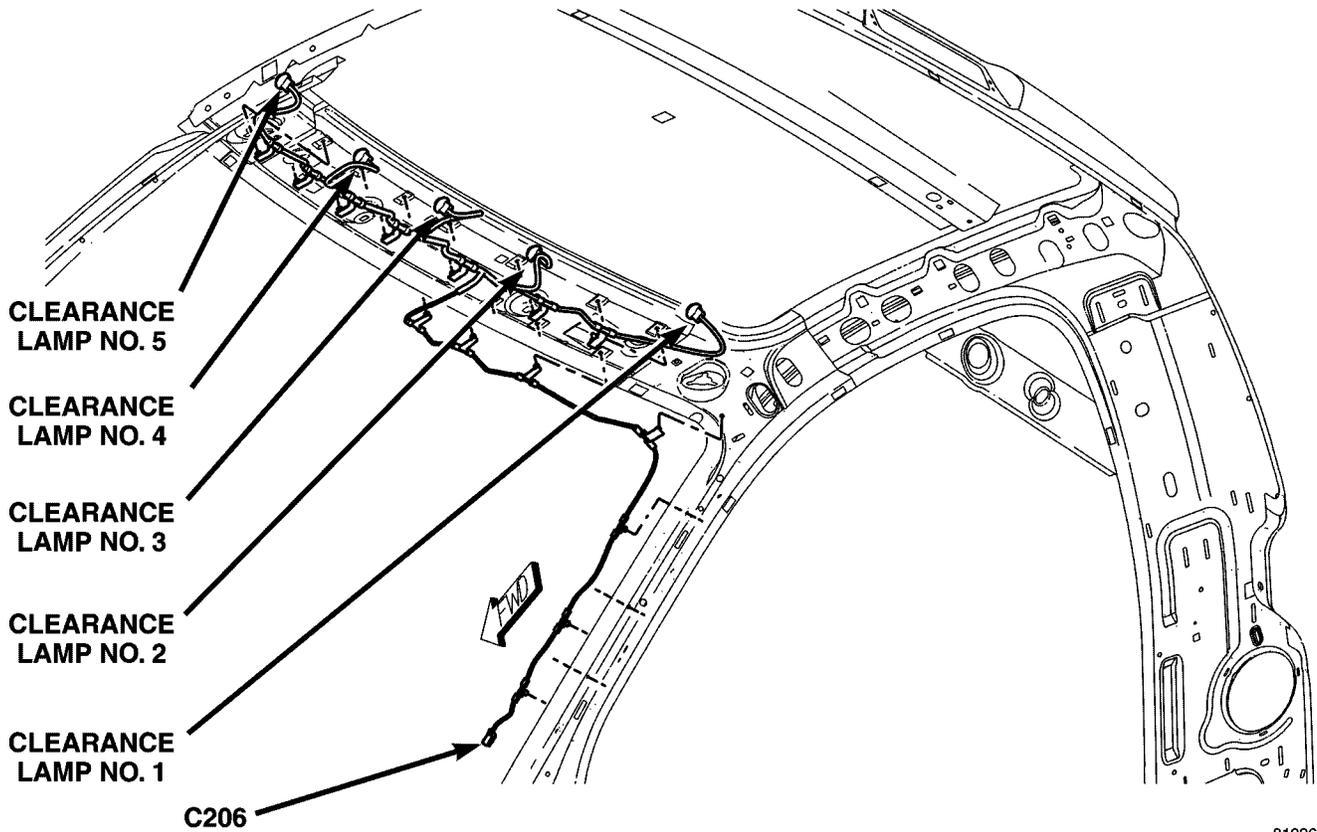


Fig. 46 ROOF

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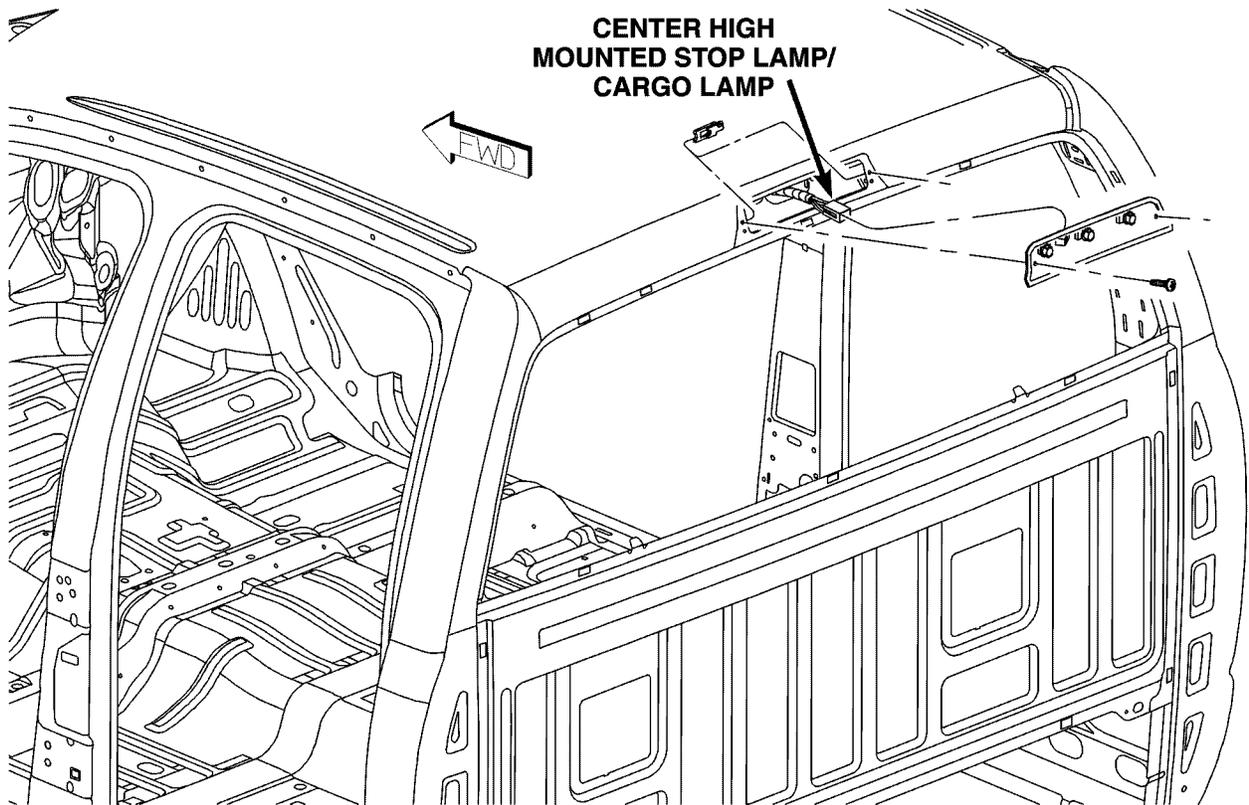
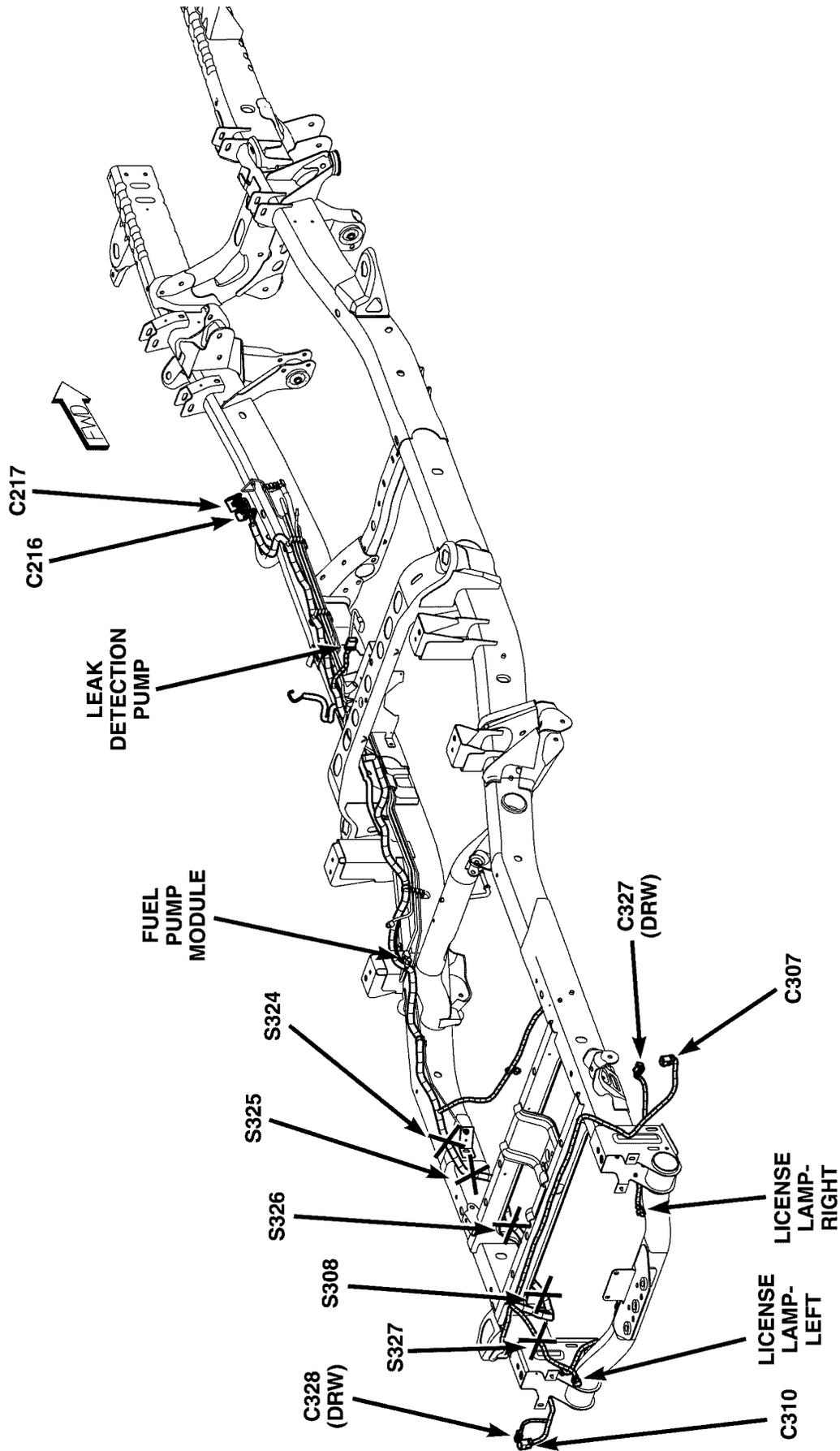


Fig. 47 REAR BODY

80d60191

CONNECTOR/GROUND/SPLICE LOCATION (Continued)



81036649

Fig. 48 CHASSIS

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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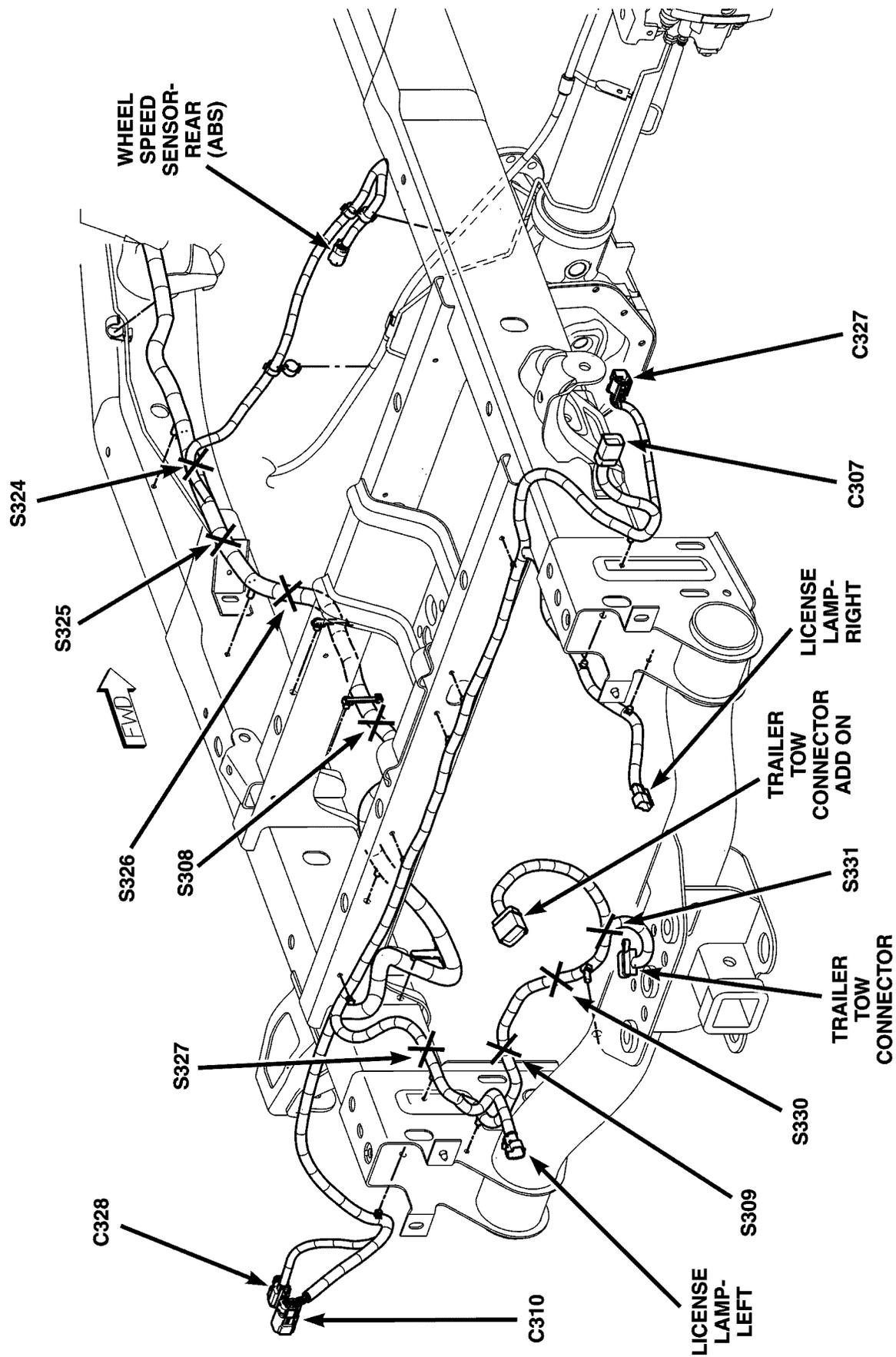
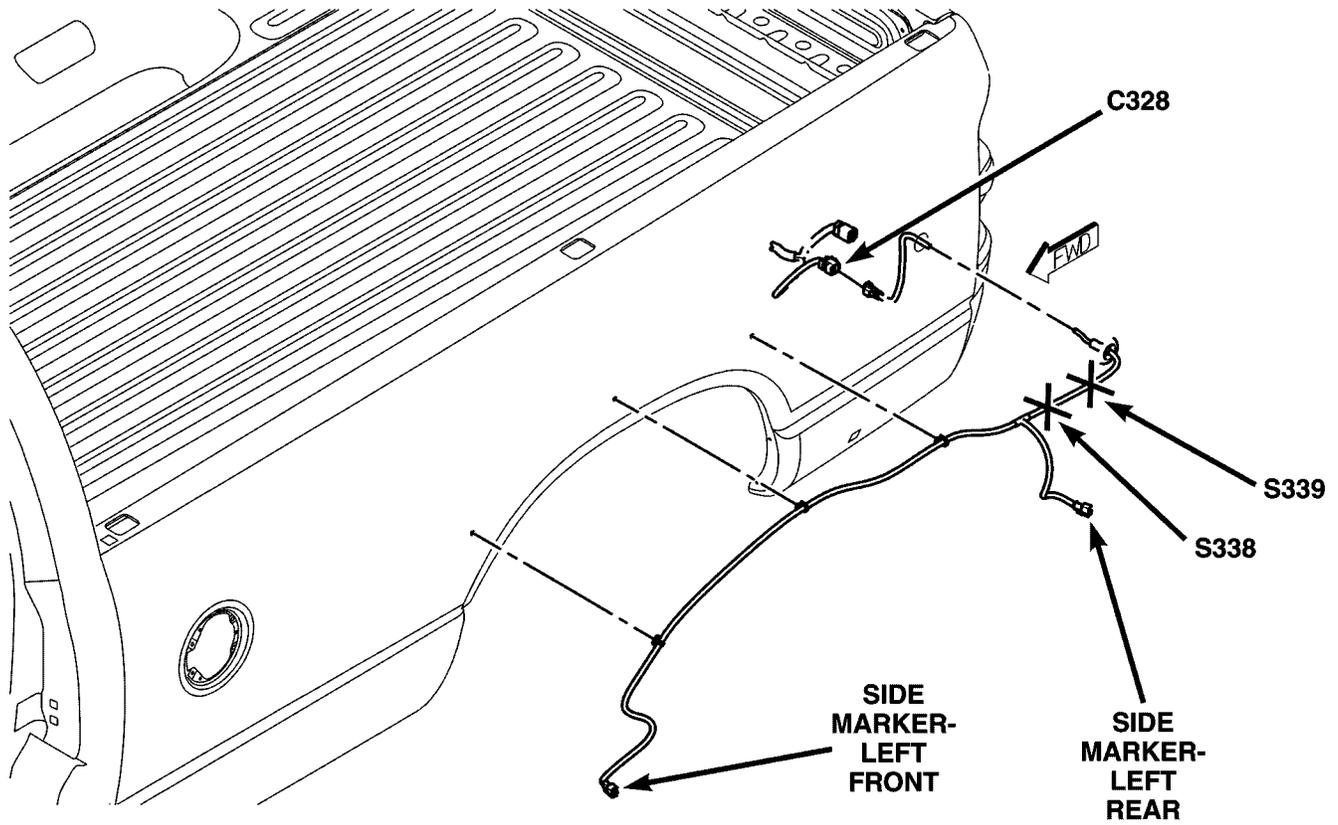


Fig. 49 REAR CHASSIS



81036c64

**Fig. 50 LEFT REAR FENDER (RIGHT SIDE SIMILAR)**

80d60135

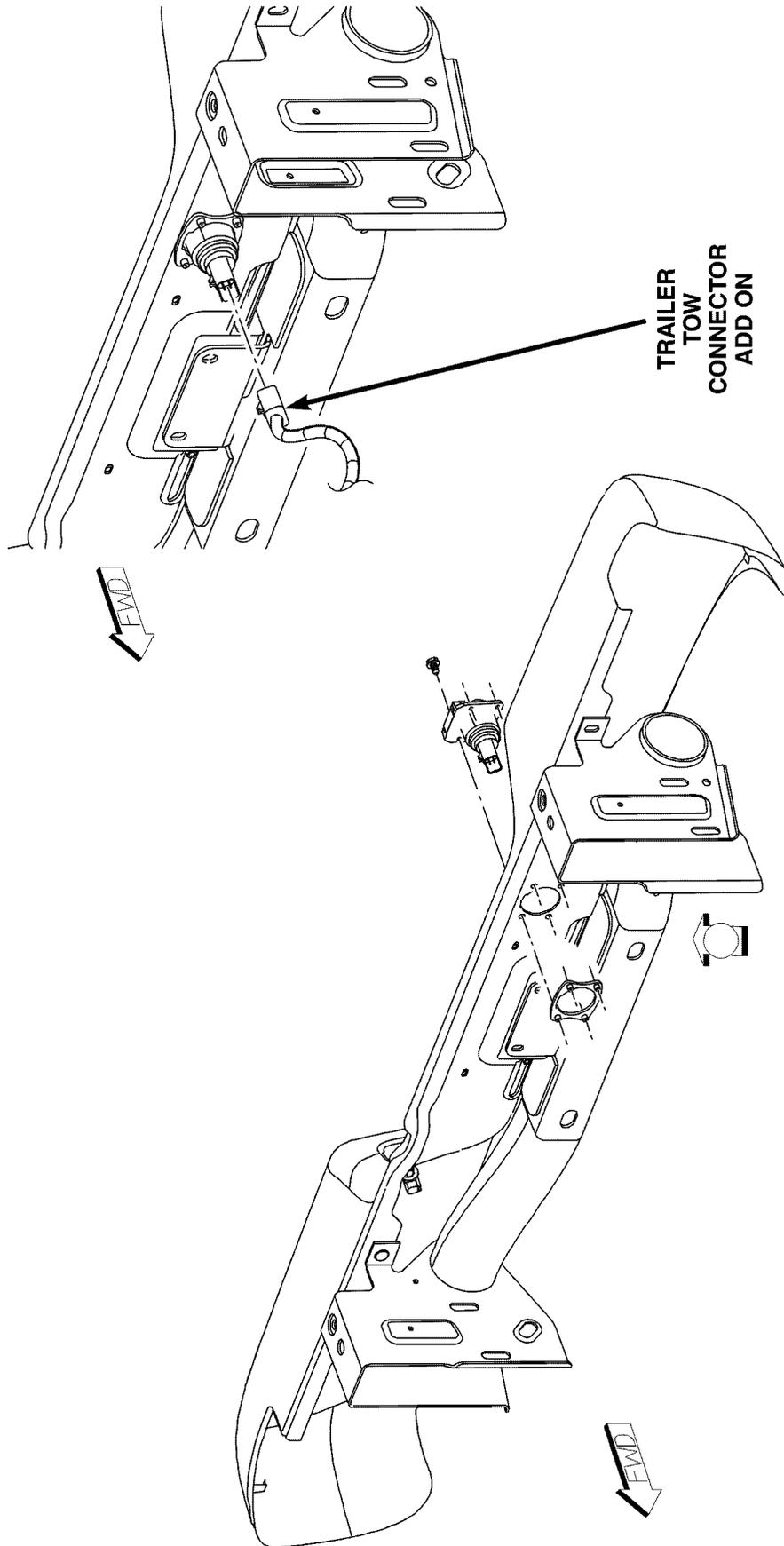


Fig. 51 REAR BUMPER



## 8W-97 POWER DISTRIBUTION

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## 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:

- Integrated Power Module (IPM)
- Front Control Module (FCM)
- Power Distribution Center (PDC)
- Power Outlets
- Cigar Lighter Outlets
- Relays

Refer to Wiring Diagrams for complete circuit schematics.

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

- Automatic resetting circuit breakers
- 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.

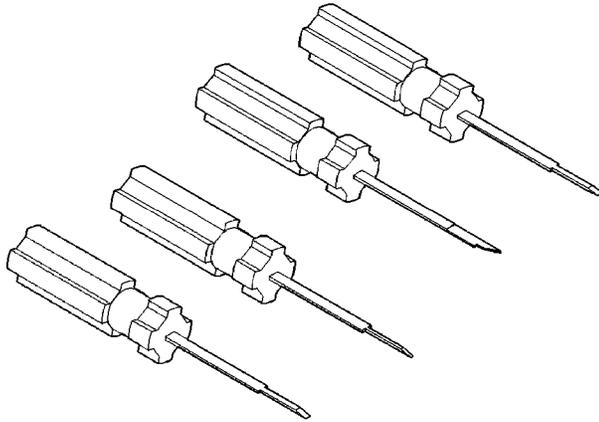
### OPERATION

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 electrical circuits that may be required to provide the electrical current needed to operate many accessories that the vehicle owner may choose to have installed in the aftermarket.

## POWER DISTRIBUTION (Continued)

## SPECIAL TOOLS

## POWER DISTRIBUTION SYSTEMS

*Terminal Pick Kit 6680*

## CIGAR LIGHTER OUTLET

## DESCRIPTION

On models equipped a cigar lighter outlet is installed to the left of the center stack area in the lower instrument panel. The cigar lighter outlet is secured by a snap fit within the bezel.

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

## OPERATION

The cigar lighter consists of two major components: a knob and heating element unit, and the cigar lighter base or outlet shell. The receptacle shell is connected to ground, and an insulated contact in the bottom of the shell is connected to battery current. The cigar lighter receives battery voltage from a fuse in the junction block when the ignition switch is in the Accessory or Run positions.

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 outlet shell, the heating element resistor coil is grounded through its housing to the outlet 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 outlet shell.

Two small spring-clip retainers are located on either side of the insulated contact inside the bottom of the outlet shell. These clips engage and hold the heating element against the insulated contact long

enough for the resistor coil to heat up. When the heating element is engaged with the contact, battery current can flow through the resistor coil to ground, causing the resistor coil to heat.

When the resistor coil becomes sufficiently heated, excess heat radiates from the heating element causing the spring-clips to expand. Once the spring-clips expand far enough to release the heating element, the spring-loaded housing forces the knob and heating element to pop back outward to their relaxed position. When the cigar lighter knob and element are pulled out of the outlet 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**.

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

(2) Turn the ignition switch to the Run position. Check for battery voltage at the fused B(+) fuse in the integrated power module. If OK, go to Step 3. If not OK, repair the open or short as required.

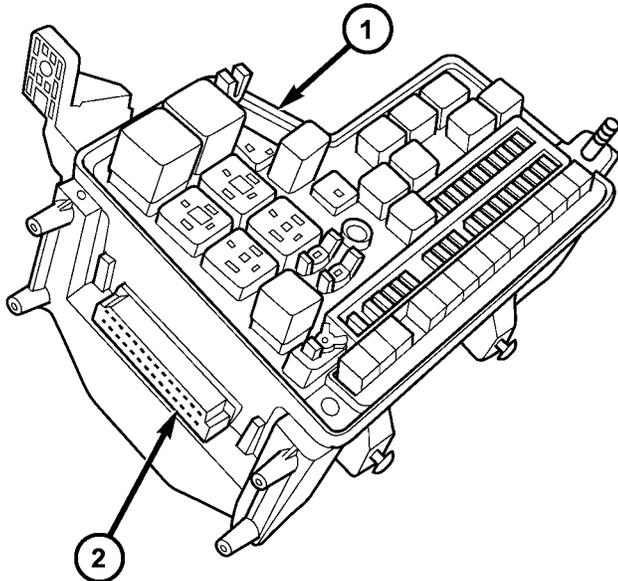
(3) Remove the cigar lighter knob and element from the cigar lighter outlet shell. Check for continuity between the inside circumference of the cigar lighter outlet shell and a good ground. There should be continuity. If OK, go to Step 4. If not OK, go to Step 5.

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

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

(6) Connect the battery negative cable. Turn the ignition switch to the Accessory or Run positions. Check for battery voltage at the fused B(+) circuit cavity of the cigar lighter wire harness connector. If OK, replace the faulty cigar lighter outlet. If not OK, repair the open fused B(+) circuit to the integrated power module fuse as required.

## INTEGRATED POWER MODULE DESCRIPTION



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**Fig. 1 DR INTEGRATED POWER MODULE**

- 1 - POWER DISTRIBUTION CENTER HOUSING  
2 - FRONT CONTROL MODULE ELECTRICAL CONNECTOR

The Integrated Power Module (IPM) (Fig. 1) is a combination of the Power Distribution Center (PDC) and the Front Control Module (FCM). The IPM is located in the engine compartment, next to the battery on this model. The power distribution center mates directly with the Front Control Module (FCM) to form the Integrated Power Module Fuse and Relay Center. The power distribution center (PDC) is a printed circuit board based module that contains fuses and relays, while the front control module contains the electronics controlling the integrated power module and other functions. This integrated power module connects directly to the battery positive via a stud located on top of the unit. The ground connection is via electrical connectors. The integrated power module provides the primary means of voltage distribution and protection for the entire vehicle.

The molded plastic integrated power module housing includes a base and cover. The integrated power module cover is easily opened or removed for service access by unscrewing the cover retaining nut and has a fuse and relay layout map integral to the inside surface of the cover. This integrated power module housing base and cover are secured in place via bolts to the left front fender support assembly.

Replaceable components of the integrated power module assembly are broken down into the following

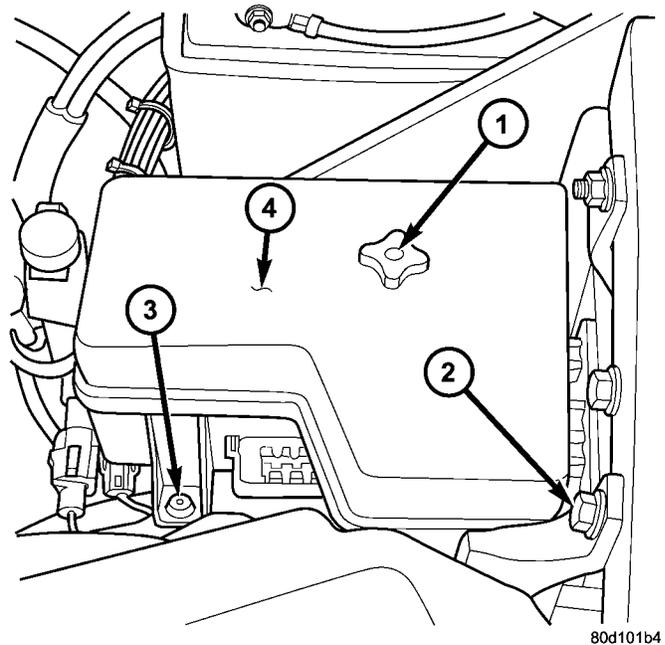
components: the Power Distribution Center (PDC), the integrated power module cover, the Front Control Module (FCM) and the Integrated Power Module Assembly which includes the power distribution center, the cover and FCM. **Refer to the Front Control Module in the Electronic Control Module section** of this service manual for information on the front control module.

## OPERATION

All of the current from the battery and the generator output enters the integrated power module via a stud on the top of the module. The integrated power module cover is removed to access the fuses or relays. Internal connections of all of the power distribution center circuits is accomplished by a combination of bus bars and a printed circuit board. Refer to the Wiring section of the service manual for complete integrated power module circuit schematics.

## REMOVAL

- (1) Disconnect the negative and positive battery cables.



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**Fig. 2 DR INTEGRATED POWER MODULE**

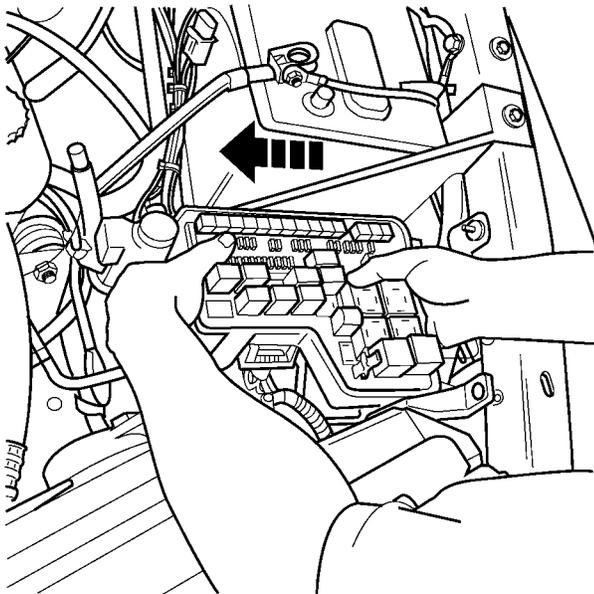
- 1 - COVER RETAINING BOLT  
2 - INTEGRATED POWER MODULE RETAINING BOLT  
3 - RETAINING SCREW  
4 - INTEGRATED POWER MODULE COVER

(2) Unsnap cover and remove the B+ terminal nut from the integrated power module B+ terminal. Remove the B+ cable from the integrated power module.

(3) Disconnect the gray connector from the integrated power module.

## INTEGRATED POWER MODULE (Continued)

(4) Remove the integrated power module retaining bolt and screw (Fig. 2).



80d101eb

**Fig. 3 REMOVING INTEGRATED POWER MODULE**

(5) Grasp the integrated power module with two hands and slide the assembly in the direction shown (Fig. 3) to free the module from its mounting bracket. Position the assembly upside down to access the electrical connectors located on the bottom of the unit.

(6) Disconnect the electrical connectors by depressing the locking tab and rotating the connector arm outboard, until the connector is free from the module assembly. Be certain to pull the connectors straight off.

(7) Position the integrated power module on a bench and remove the four front control module retaining screws.

(8) Disconnect the front control module by pulling it straight off the integrated power module.

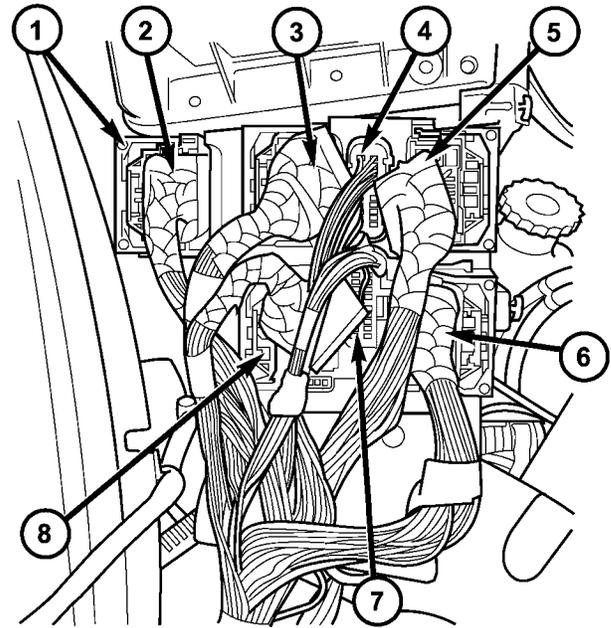
**INSTALLATION**

(1) Connect the front control module by pushing it straight on the integrated power module electrical receptacle.

(2) Install the four front control module retaining screws. Torque to 30 in. lbs. +/-5.

**NOTE:** Integrated power module electrical connectors are color coded to ease location reference (Fig. 4).

(3) Connect the electrical connectors by pushing straight on and rotating the connector arm inboard, until the connector is firmly locked in place on the module assembly.



80d101fc

**Fig. 4 INTEGRATED POWER MODULE ELECTRICAL CONNECTIONS**

- 1 - RETAINING LATCH
- 2 - GRAY CONNECTOR
- 3 - GREEN CONNECTOR
- 4 - GREEN CONNECTOR
- 5 - BLUE CONNECTOR
- 6 - WHITE CONNECTOR
- 7 - BLACK CONNECTOR
- 8 - BLACK CONNECTOR

(4) Grasp the integrated power module with two hands and install the assembly on the battery tray (Fig. 5).

(5) Install the integrated power module retaining bolt and screw.

(6) Connect the gray connector on the integrated power module housing.

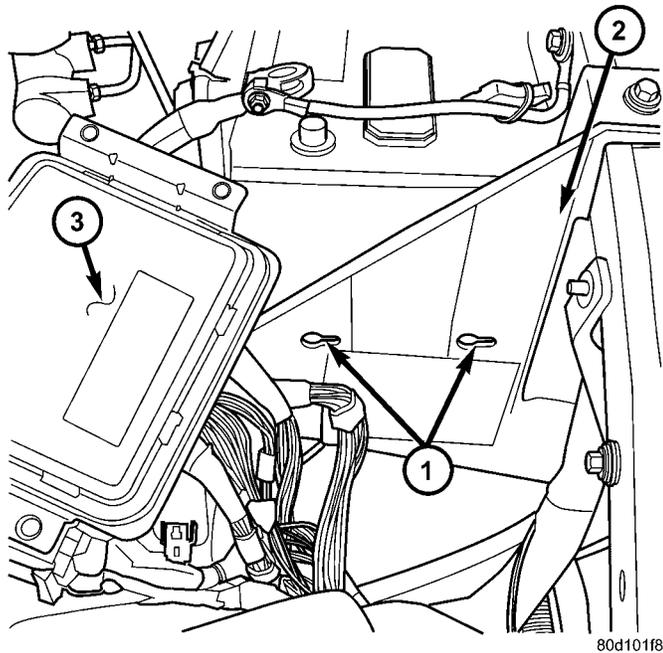
(7) Install the B+ terminal cable and nut on the integrated power module B+ terminal. Snap the cover in place.

(8) Connect the negative and positive battery cables.

**FRONT CONTROL MODULE****DESCRIPTION**

The Front Control Module (FCM) is a micro controller based module located in the left front corner of the engine compartment. On this model the integrated power module must be positioned aside in order to access the front control module. The front control module mates to the power distribution center to form the Integrated Power Module (IPM). The integrated power module connects directly to the bat-

## FRONT CONTROL MODULE (Continued)



**Fig. 5 INTEGRATED POWER MODULE MOUNTING TABS**

- 1 - INTEGRATED POWER MODULE MOUNTING HOLES  
 2 - BATTERY TRAY ASSEMBLY  
 3 - FRONT CONTROL MODULE

tery and provides the primary means of circuit protection and power distribution for all vehicle electrical systems. The front control module controls power to some of these vehicle systems electrical and electromechanical loads based on inputs received from hard wired switch inputs and data received on the PCI bus circuit (J1850).

For information on the **Integrated Power Module Refer to the Power Distribution Section** of the service manual.

## OPERATION

As messages are sent over the PCI bus circuit, the front control module reads these messages and controls power to some of the vehicles electrical systems by completing the circuit to ground (low side driver) or completing the circuit to 12 volt power (high side driver). The following functions are **Controlled** by the Front Control Module:

- Headlamp Power with Voltage Regulation
- Windshield Wiper "ON/OFF" Relay Actuation
- Windshield Wiper "HI/LO" Relay Actuation
- Windshield Washer Pump Motor
- Fog Lamp Relay Actuation
- Park Lamp Relay Actuation
- Horn Relay Actuation

The following inputs are **Received/Monitored** by the Front Control Module:

- B+ Connection Detection

- Power Ground
- Ambient Temperature Sensing
- Ignition Switch Run
- Washer Fluid Level Switch
- Windshield Wiper Park Switch
- PCI Bus Circuit

## DIAGNOSIS AND TESTING - FRONT CONTROL MODULE

The front control module is a printed circuit board based module with a on-board micro-processor. The front control module interfaces with other electronic modules in the vehicle via the Programmable Communications Interface (PCI) data bus (J1850). In order to obtain conclusive testing the Programmable Communications Interface (PCI) data bus network and all of the electronic modules that provide inputs to, or receive outputs from the front control module must be checked. All PCI (J1850) communication faults must be resolved prior to further diagnosing any front control module related issues.

The front control module was designed to be diagnosed with an appropriate diagnostic scan tool, such as the DRB III®. The most reliable, efficient, and accurate means to diagnose the front control module requires the use of a DRB III® scan tool and the proper Body Diagnostic Procedures manual.

Before any testing of the front control module is attempted, the battery should be fully charged and all wire harness and ground connections inspected around the affected areas on the vehicle.

## REMOVAL

(1) Disconnect the positive and negative battery cables from the battery.

(2) Partially remove the integrated power module from the engine compartment (Refer to 8 - ELECTRICAL/POWER DISTRIBUTION/INTEGRATED POWER MODULE - REMOVAL).

(3) Remove the front control module retaining screws.

(4) Using both hands, pull the front control module **straight** from the integrated power module assembly to disconnect the 49-way electrical connector and remove the front control module from the vehicle.

## INSTALLATION

(1) Install the front control module on the integrated power module assembly by pushing the 49-way electrical connector straight in.

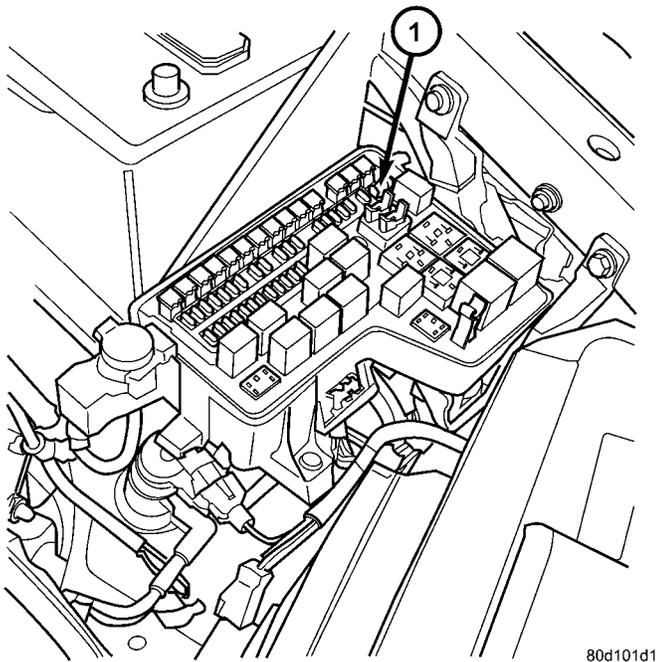
(2) Install the front control module retaining screws. Torque the screws to 7 in. lbs.

(3) Install the integrated power module (Refer to 8 - ELECTRICAL/POWER DISTRIBUTION/INTEGRATED POWER MODULE - INSTALLATION).

(4) Connect the positive and negative battery cables.

## IOD FUSE

### DESCRIPTION



80d101d1

**Fig. 6 IOD FUSE LOCATION**

1 - IOD FUSE

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

A laser printed fuse layout map is integral to the Integrated Power Module cover to ensure proper fuse identification. The IOD fuse is a 20 ampere mini blade-type fuse, located in fuse cavity # 51 (Fig. 6). The fuse is secured within a black molded plastic fuse holder and puller unit that serves both as a tool for disconnecting and reconnecting the fuse in its Integrated Power Module cavity, and as a fuse holder that conveniently stores the fuse in the same Integrated Power Module cavity after it has been disconnected.

### CIRCUITS INCLUDED WITH IOD FUSE

- Cluster (CCN)
- Diagnostic Connector
- Map Lamps
- Glove Box Lamp
- Courtesy Lamps
- Radio
- Underhood Lamp

### OPERATION

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

The IOD fuse is disconnected from Integrated Power Module fuse cavity # 51 when the vehicle is shipped from the assembly plant. Dealer personnel must reconnect the IOD fuse when the vehicle is being prepared for delivery in order to restore full electrical system operation. Once the vehicle is prepared for delivery, the IOD function of this fuse becomes transparent and the fuse that has been assigned the IOD designation becomes only another Fused B(+) circuit fuse.

The IOD fuse can be used by the vehicle owner as a convenient means of reducing battery depletion when a vehicle is to be stored for periods not to exceed about thirty days. However, it must be remembered that disconnecting the IOD fuse will not eliminate IOD, but only reduce this normal condition. 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 disconnected from Integrated Power Module fuse cavity # 51 when the vehicle is shipped from the assembly plant. Dealer personnel must reconnect the IOD fuse when the vehicle is being prepared for delivery in order to restore full electrical system operation.

- (1) Turn the ignition switch to the Off position.
- (2) Remove the Integrated Power Module cover.
- (3) Grasp the outer tabs of the IOD fuse holder unit in fuse cavity # 51 between the thumb and forefinger and pull the unit firmly upward.
- (4) Install the Integrated Power Module cover.

## IOD FUSE (Continued)

**INSTALLATION**

- (1) Turn the ignition switch to the Off position.
- (2) Remove the Integrated Power Module cover.
- (3) To install the IOD fuse, use a thumb to press the IOD fuse holder unit in fuse cavity # 51 firmly into the Integrated Power Module.
- (4) Install the Integrated Power Module cover.

**POWER OUTLET****DESCRIPTION**

Two power outlets are utilized on this model. One in the instrument panel center lower bezel and the other in the center console. The power outlet bases are secured by a snap fit within the instrument panel or trim panel. A plastic protective cap snaps into the power outlet base when the power outlet is not being used, and hangs from the power outlet base mount by an integral bail strap while the power outlet is in use.

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

**OPERATION**

The power outlet base or receptacle shell is connected to ground, and an insulated contact in the bottom of the shell is connected to battery current. The power outlet receives battery voltage from a fuse in the integrated power module 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 **Wiring Diagrams**.

- (1) Check the fused B(+) fuse in the integrated power module. 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 integrated power module. If OK, go to Step 3. If not OK, repair the open fused B(+) circuit to the battery as required.
- (3) Remove the plastic protective cap from the power outlet receptacle. Check for continuity between the inside circumference of the power outlet receptacle and a good ground. There should be continuity. If OK, go to Step 4. If not OK, go to Step 5.

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

(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 integrated power module 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 panel (Fig. 7).

(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.

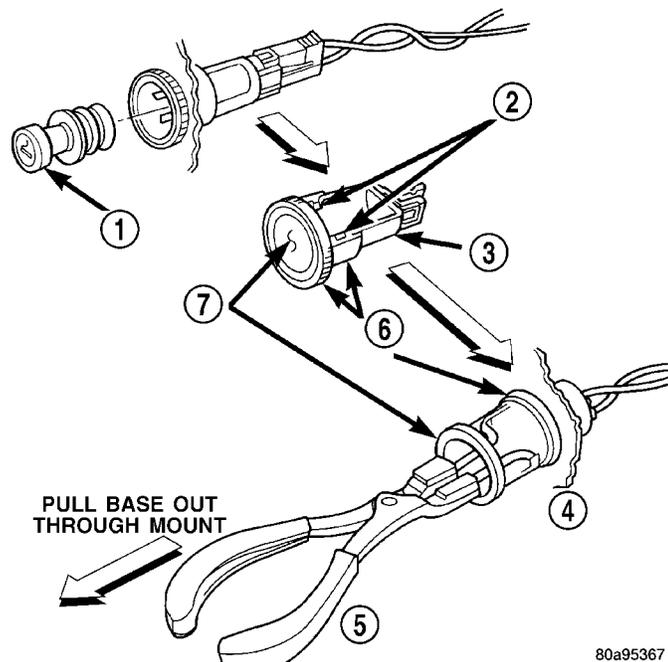
**INSTALLATION**

(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.

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

## POWER OUTLET (Continued)



80a95367

**Fig. 7 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

(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.

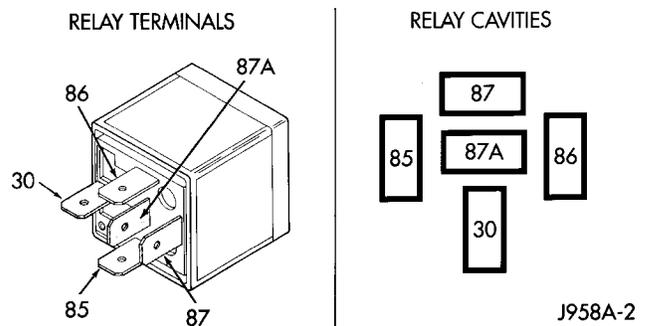
## RELAY

### DESCRIPTION

A relay (Fig. 8) 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 integrated power module.

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

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



**Fig. 8 ISO Relay**

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

### 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 integrated power module. 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.

RELAY (Continued)

**DIAGNOSIS & TESTING - RELAY CIRCUIT TEST**

(1) The relay common feed terminal cavity (30) of the integrated power module is connected to battery voltage and should be hot at all times. Check for battery voltage at the fused B(+) circuit cavity in the integrated power module receptacle for the relay. If OK, go to Step 2. If not OK, repair the fused B(+) circuit to the integrated power module 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 integrated power module that feeds the accessory when the relay is energized by the ignition switch. There should be continuity between the integrated power module cavity for relay terminal 87 and the fused B(+) fuse in the integrated power module at all times. If OK, go to Step 4. If not OK, repair the open fused B(+) circuit to the integrated power module 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 integrated power module 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 integrated power module 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.

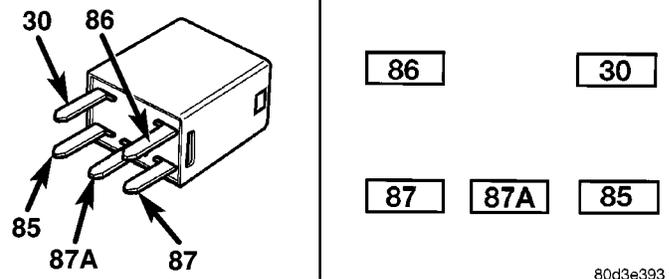
(2) Remove the relay by grasping it firmly and pulling it straight out from its receptacle. A slight back and fourth rocking motion may help the removal process.

**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.

**MICRO RELAY**

**DESCRIPTION**



80d3e393

*Fig. 9 DR 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. 9). 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

## MICRO RELAY (Continued)

no continuity between terminals 87 and 30. If OK, go to Step 3. If not OK, replace the faulty relay.

(3) Resistance between terminals 85 and 86 (electromagnet) should be 67.5 - 82.5 ohms. If OK, go to Step 4. If not OK, replace the faulty relay.

(4) Connect a battery to terminals 85 and 86. There should now be continuity between terminals 30 and 87, and no continuity between terminals 87A and 30. If OK, reinstall the relay and use a DRB III® 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.