WIRING

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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).

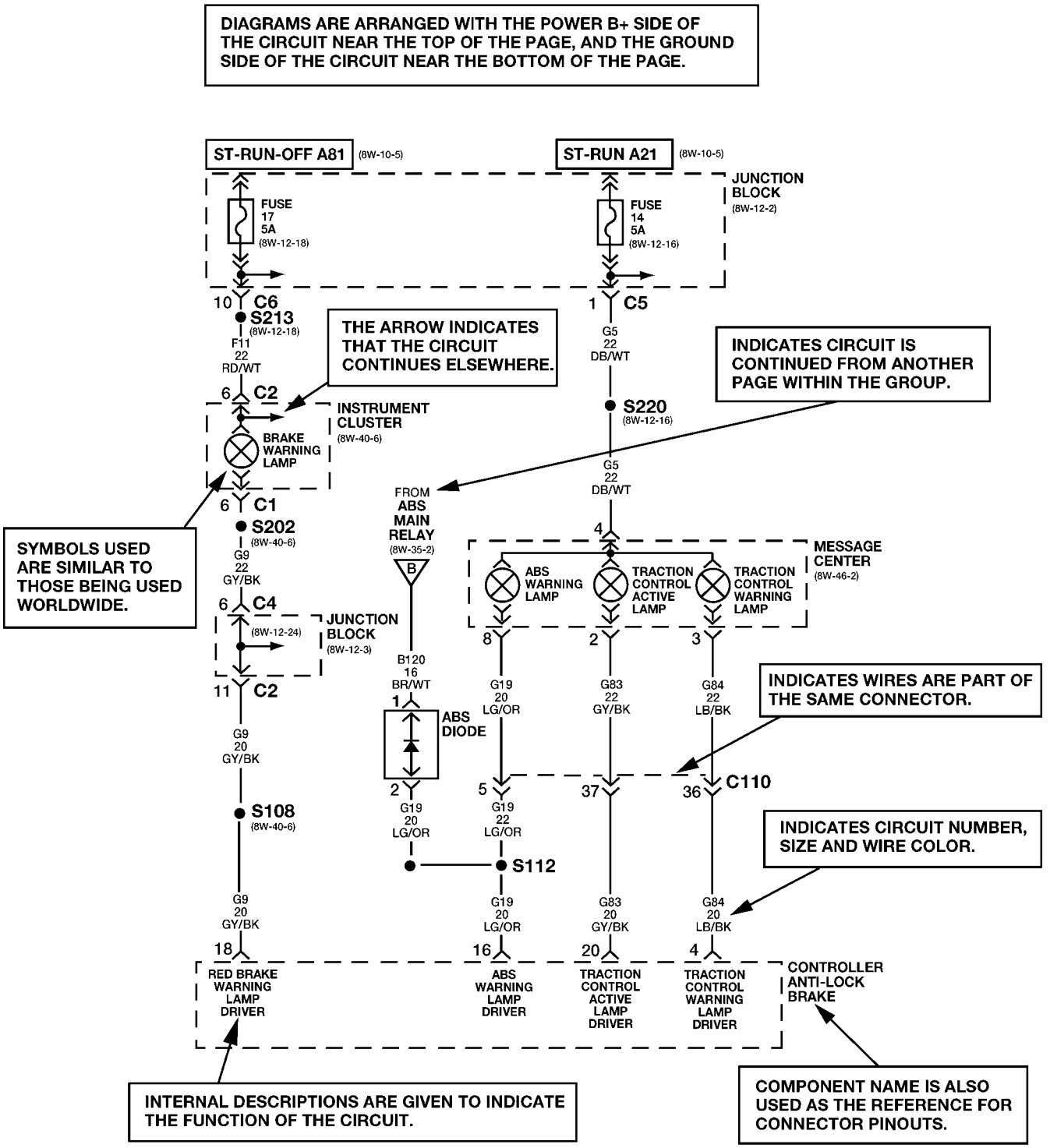
Components are shown two ways. A solid line around a component indicates that the component is complete. A dashed line around the component indicates that the component is being shown is not complete. Incomplete components have a reference number to indicate the page where the component is shown complete.

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)

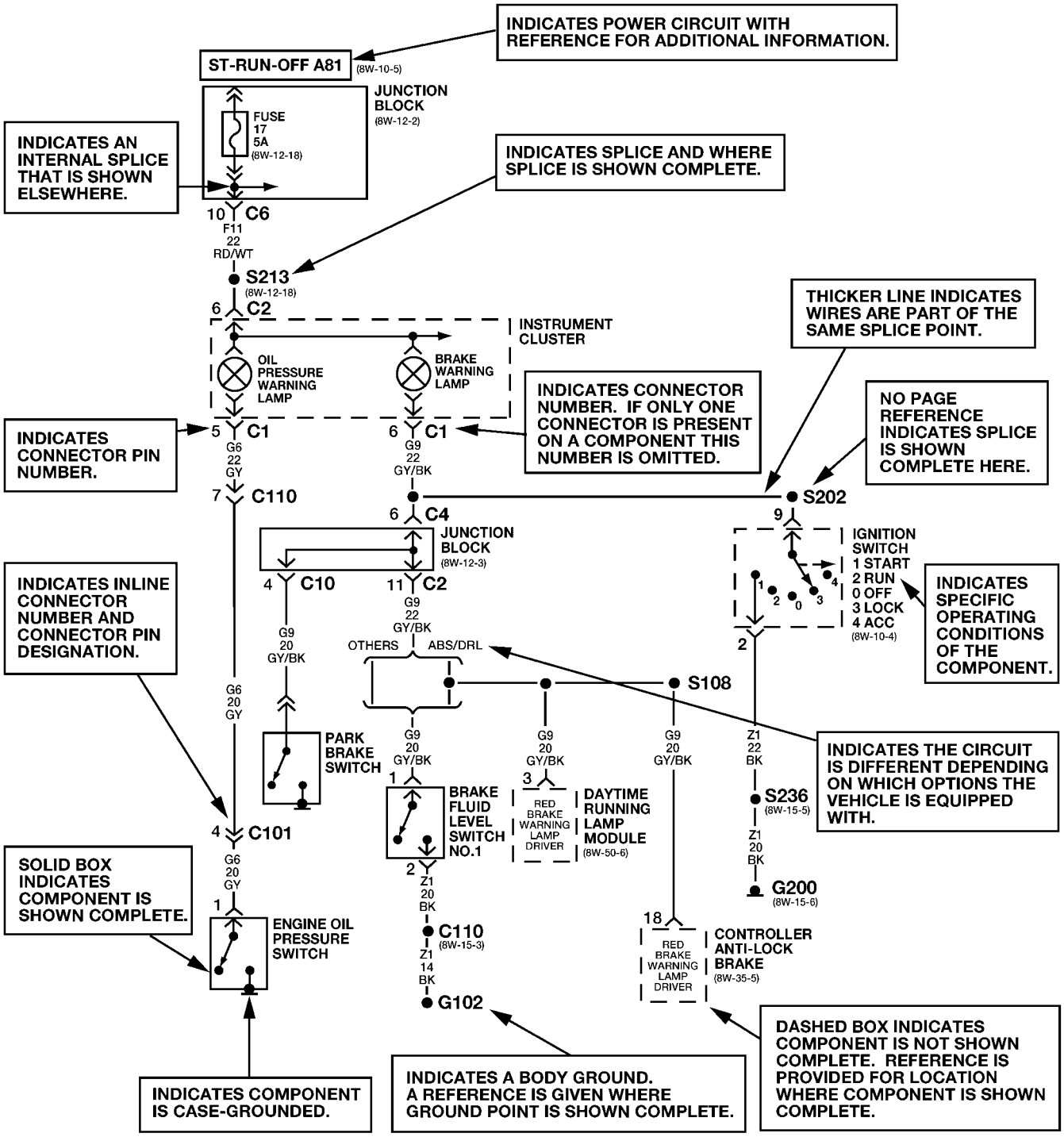


The System shown here is an EXAMPLE ONLY. It does not represent the actual circuit shown in the WIRING DIAGRAM SECTION.

80c06a01

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.

80c06d02

Fig. 2 WIRING DIAGRAM EXAMPLE 2

WIRING DIAGRAM INFORMATION (Continued)

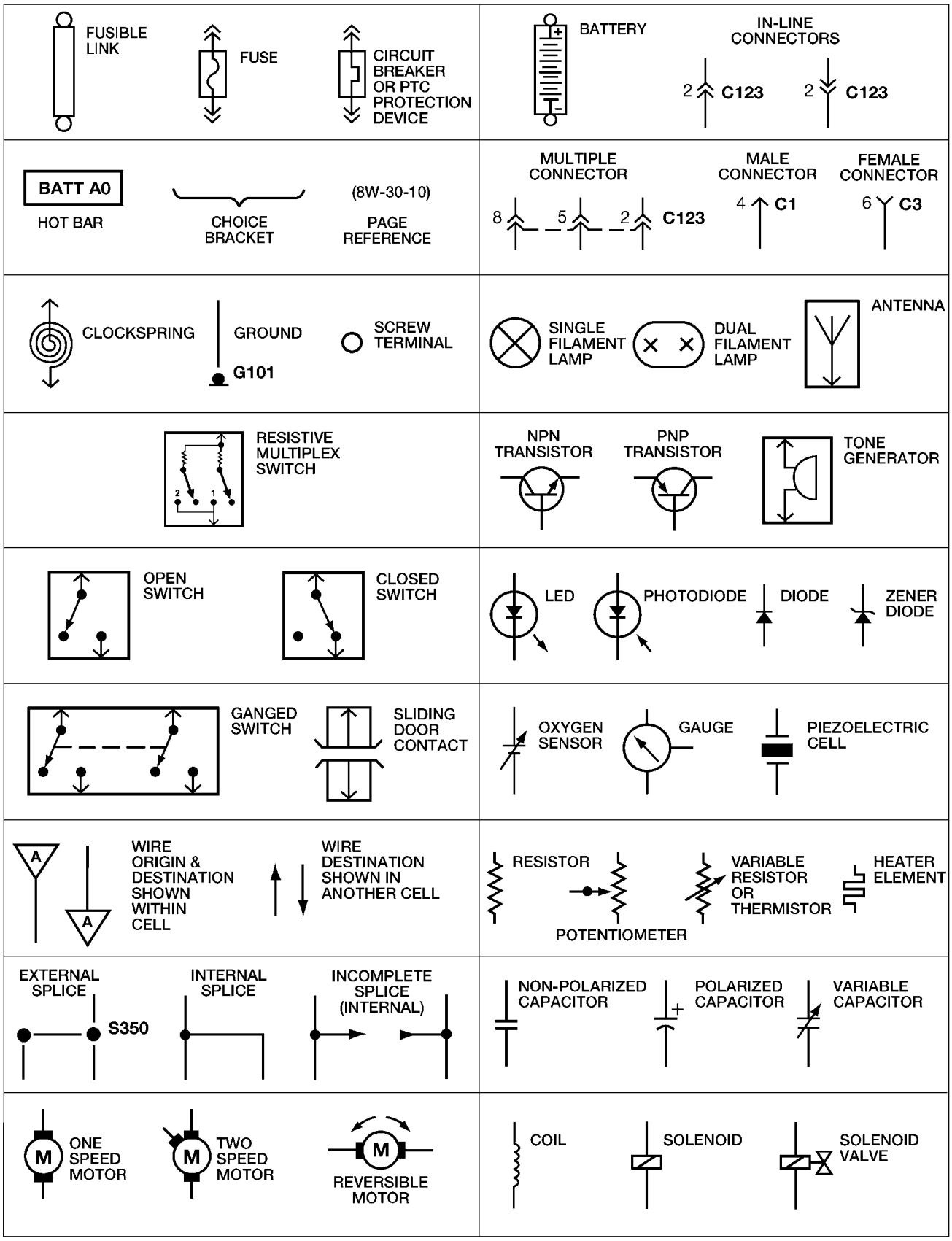


Fig. 3 WIRING DIAGRAM SYMBOLS

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).

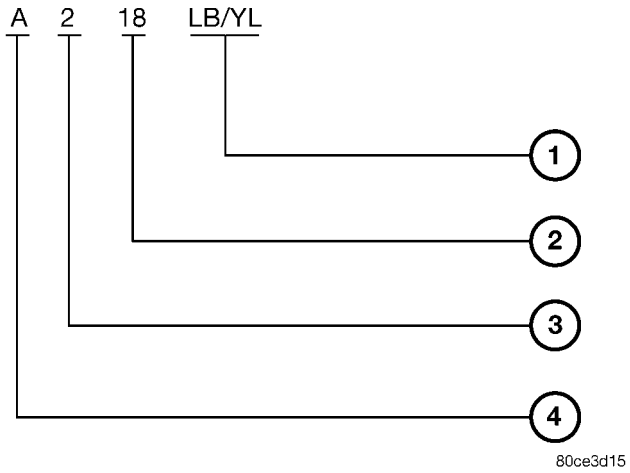


Fig. 4 WIRE CODE IDENTIFICATION

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.

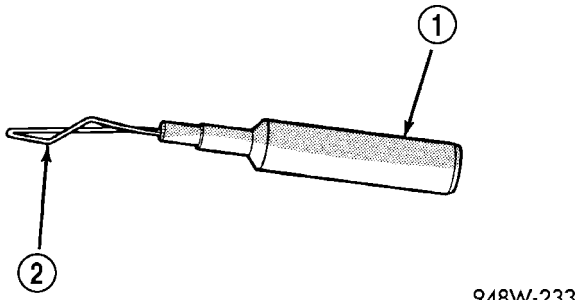


Fig. 5 PROBING TOOL

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 form it's protective packing until it is time to install the part.

(5) Before removing the part from it's pakage, ground the pakage to a known good ground on the vehicle.

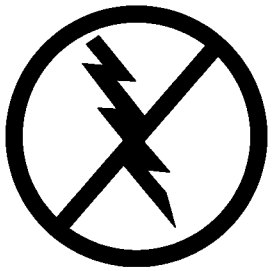


Fig. 6 ELECTROSTATIC DISCHARGE SYMBOL

WIRING DIAGRAM INFORMATION (Continued)

STANDARD PROCEDURE - TESTING OF VOLTAGE POTENTIAL

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

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

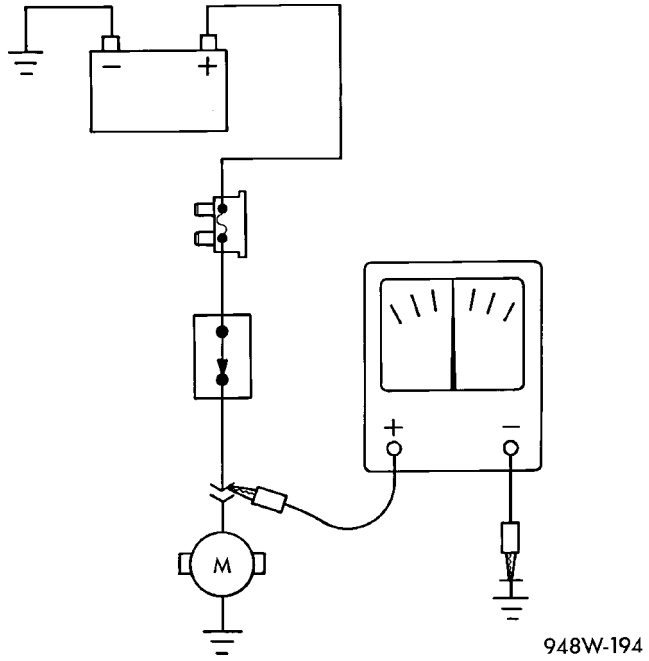


Fig. 7 TESTING FOR VOLTAGE POTENTIAL

STANDARD PROCEDURE - TESTING FOR CONTINUITY

(1) Remove the fuse for the circuit being checked or, disconnect the battery.

(2) Connect one lead of the ohmmeter to one side of the circuit being tested (Fig. 8).

(3) Connect the other lead to the other end of the circuit being tested. Low or no resistance means good continuity.

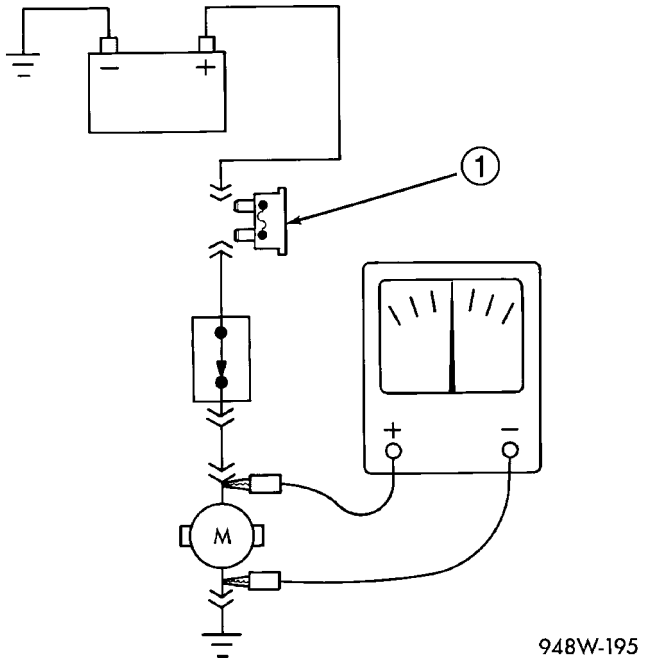


Fig. 8 TESTING FOR CONTINUITY

1 - FUSE REMOVED FROM CIRCUIT

STANDARD PROCEDURE - TESTING FOR A SHORT TO GROUND

(1) Remove the fuse and disconnect all items involved with the fuse.

(2) Connect a test light or a voltmeter across the terminals of the fuse.

(3) Starting at the fuse block, wiggle the wiring harness about six to eight inches apart and watch the voltmeter/test lamp.

(4) If the voltmeter registers voltage or the test lamp glows, there is a short to ground in that general area of the wiring harness.

WIRING DIAGRAM INFORMATION (Continued)

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

(1) Refer to the wiring diagrams and disconnect or isolate all items on the suspected fused circuits.
(2) Replace the blown fuse.
(3) Supply power to the fuse by turning ON the ignition switch or re-connecting the battery.
(4) Start connecting or energizing the items in the fuse circuit one at a time. When the fuse blows the circuit with the short to ground has been isolated.

STANDARD PROCEDURE - TESTING FOR A VOLTAGE DROP

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

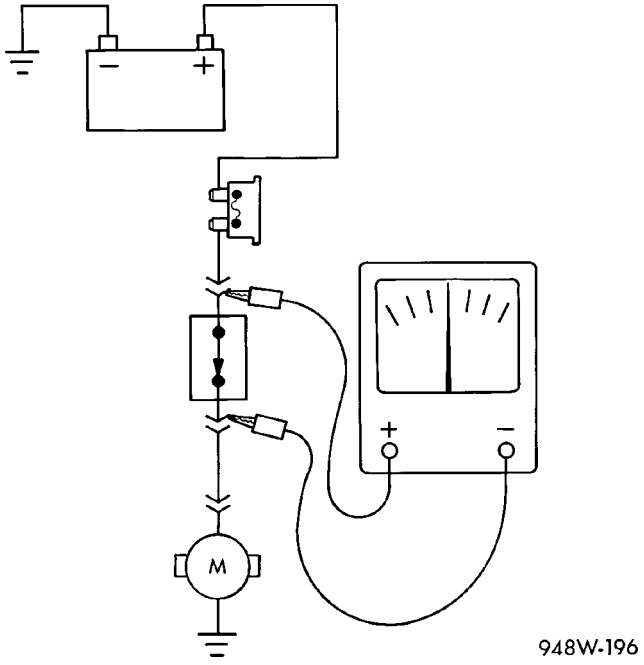
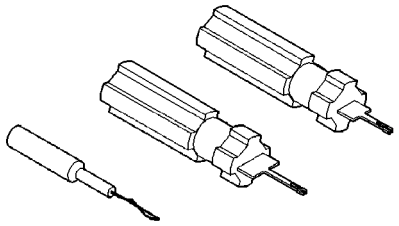


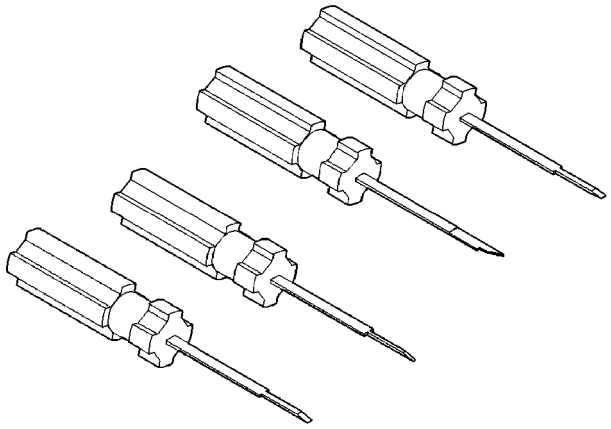
Fig. 9 TESTING FOR VOLTAGE DROP

SPECIAL TOOLS

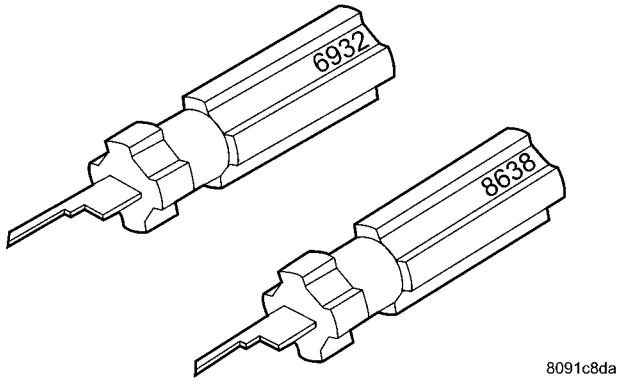
WIRING/TERMINAL



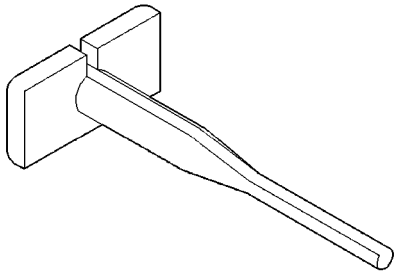
PROBING TOOL PACKAGE 6807



TERMINAL PICK TOOL SET 6680



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).

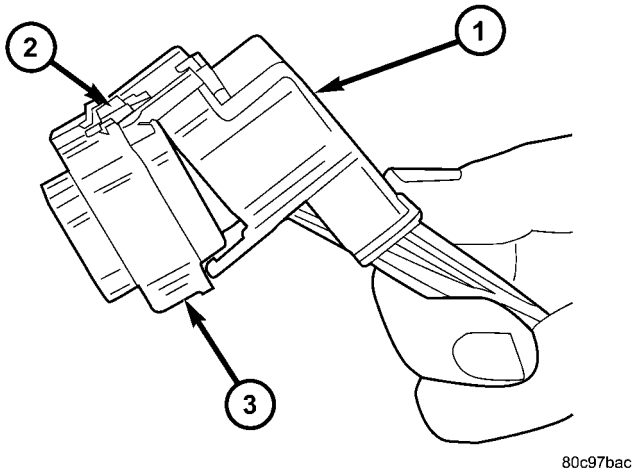


Fig. 10 REMOVAL OF DRESS COVER

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)

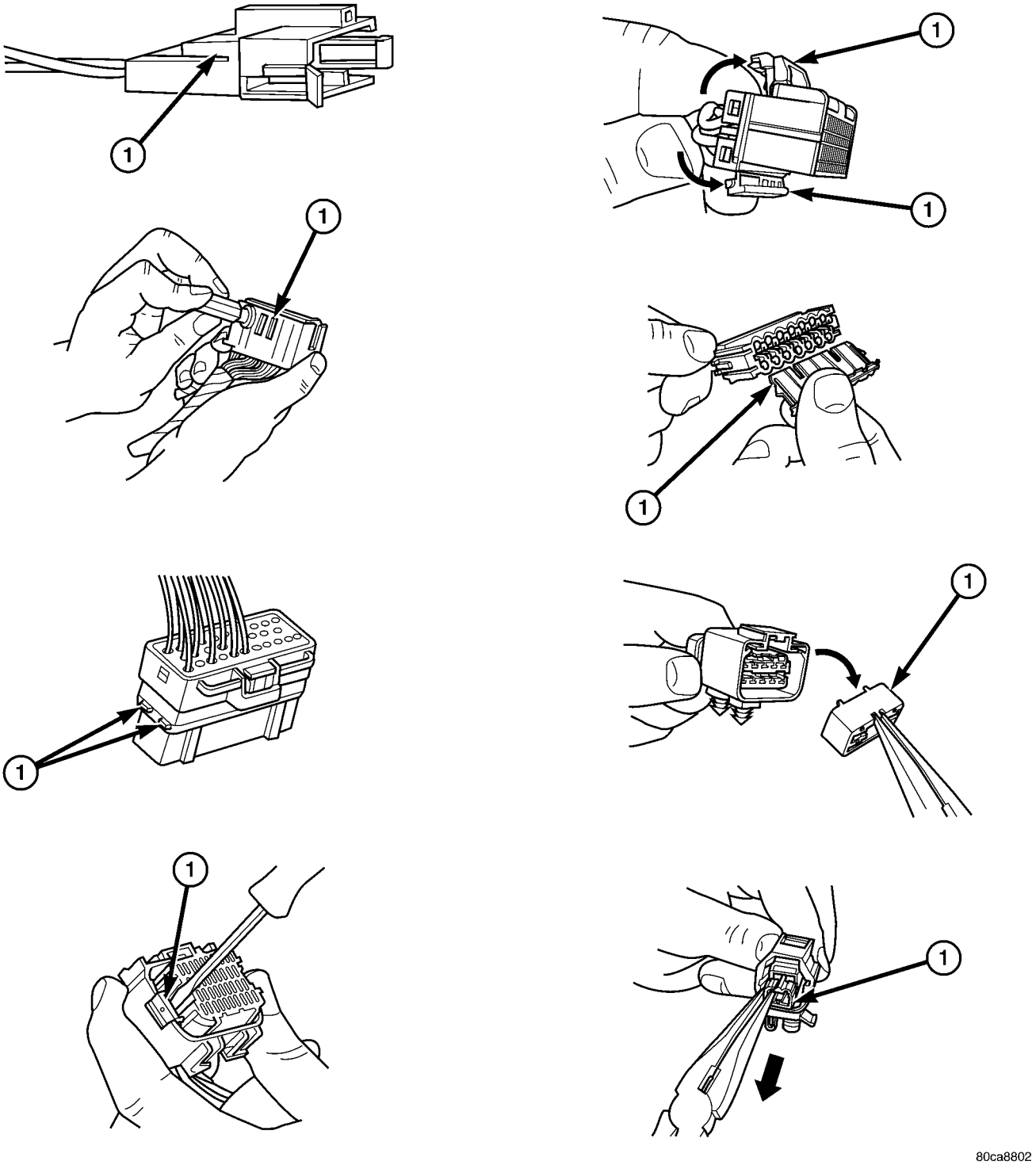


Fig. 11 EXAMPLES OF CONNECTOR SECONDARY TERMINAL LOCKS

1 - Secondary Terminal Lock

CONNECTOR (Continued)

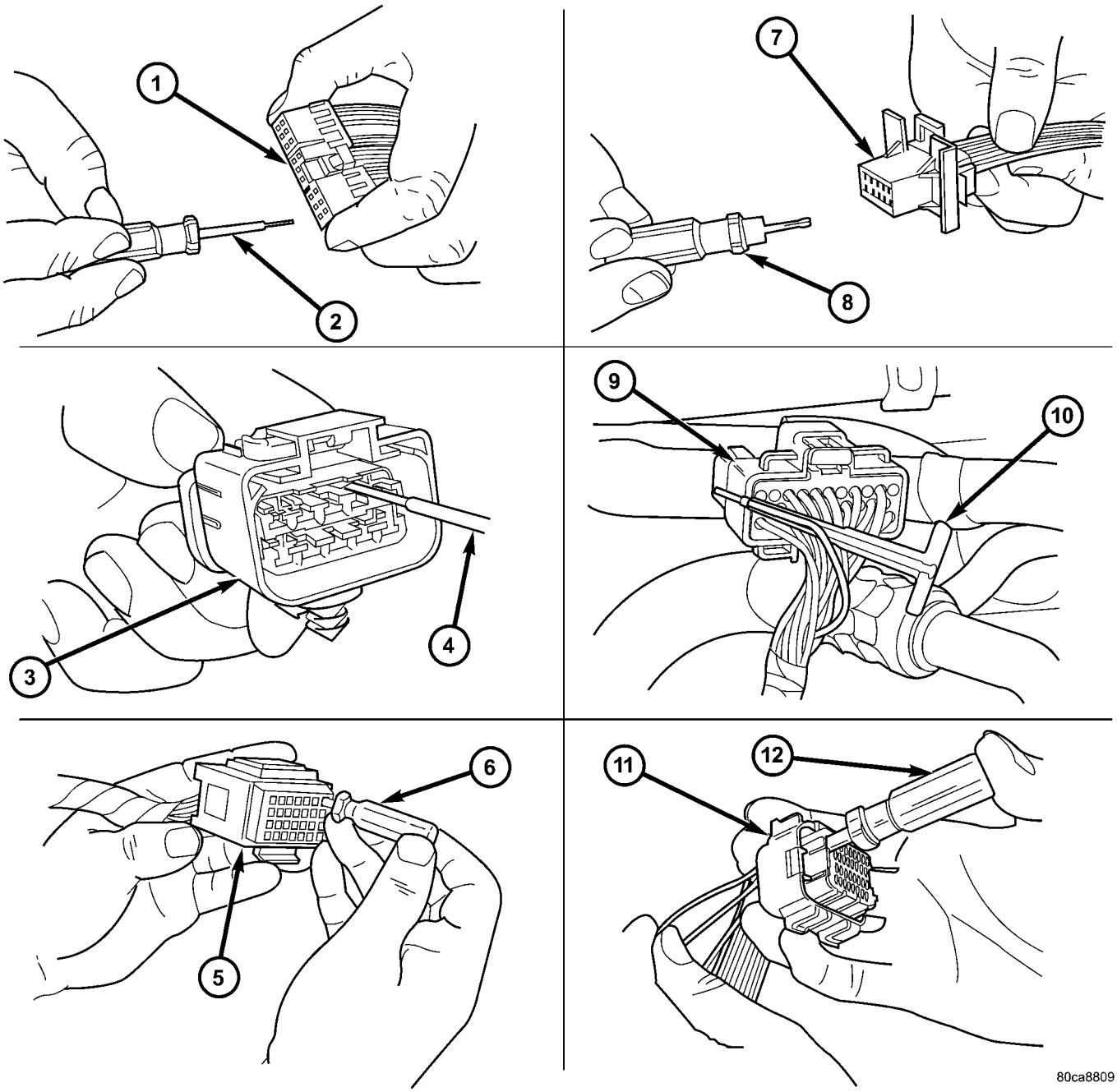


Fig. 12 TERMINAL REMOVAL

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).

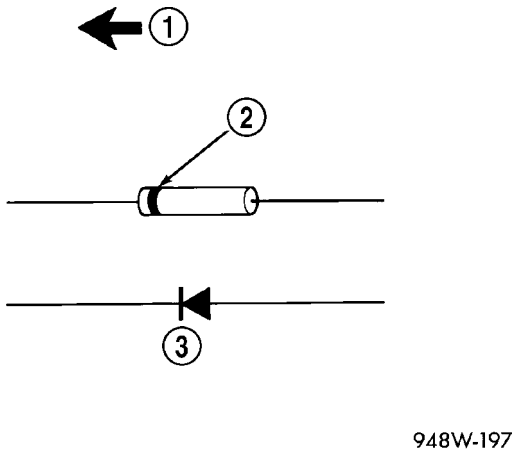


Fig. 13 DIODE IDENTIFICATION

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

INSTALLATION

(1) Remove the insulation from the wires in the harness. Only remove enough insulation to solder in the new diode.

(2) Install the new diode in the harness, making sure current flow is correct. If necessary, refer to the appropriate wiring diagram for current flow (Fig. 13).

(3) Solder the connection together using rosin core type solder only. **Do not use acid core solder.**

(4) Tape the diode to the harness using electrical tape. Make sure the diode is completely sealed from the elements.

(5) Re-connect the battery and test affected systems.

TERMINAL

REMOVAL

(1) Follow steps for removing terminals described in the connector removal section.

(2) Cut the wire 6 inches from the back of the connector.

INSTALLATION

(1) Select a wire from the terminal repair kit that best matches the color and gage of the wire being repaired.

(2) Cut the repair wire to the proper length and remove one–half (1/2) inch of insulation.

(3) Splice the repair wire to the wire harness (see wire splicing procedure).

(4) Insert the repaired wire into the connector.

(5) Install the connector locking wedge, if required, and reconnect the connector to its mating half/component.

(6) Re-tape the wire harness starting at 1–1/2 inches behind the connector and 2 inches past the repair.

(7) Connect battery and test all affected systems.

WIRE

STANDARD PROCEDURE - WIRE SPLICING

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

(1) Remove one-half (1/2) inch of insulation from each wire that needs to be spliced.

(2) Place a piece of adhesive lined heat shrink tubing on one side of the wire. Make sure the tubing will be long enough to cover and seal the entire repair area.

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

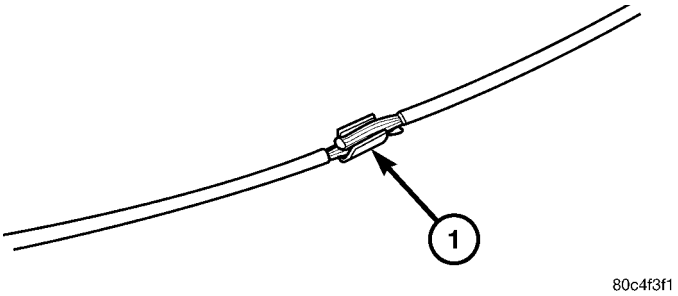


Fig. 14 SPLICE BAND

1 - SPLICE BAND

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

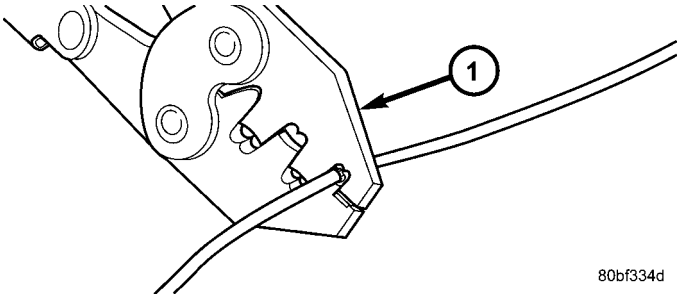


Fig. 15 CRIMPING TOOL

1 - CRIMPING TOOL

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

CAUTION: DO NOT USE ACID CORE SOLDER.

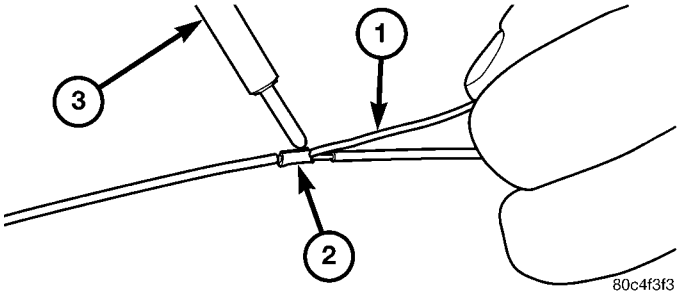


Fig. 16 SOLDER SPLICE

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).

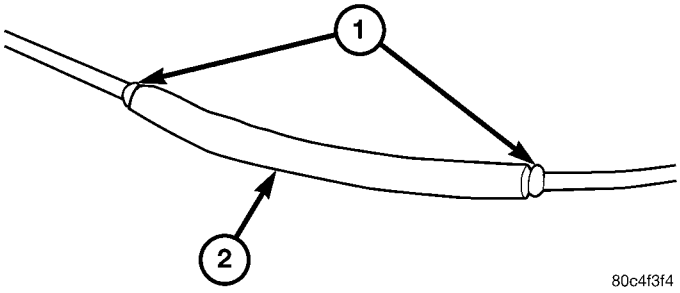


Fig. 17 HEAT SHRINK TUBE

1 - SEALANT
2 - HEAT SHRINK TUBE

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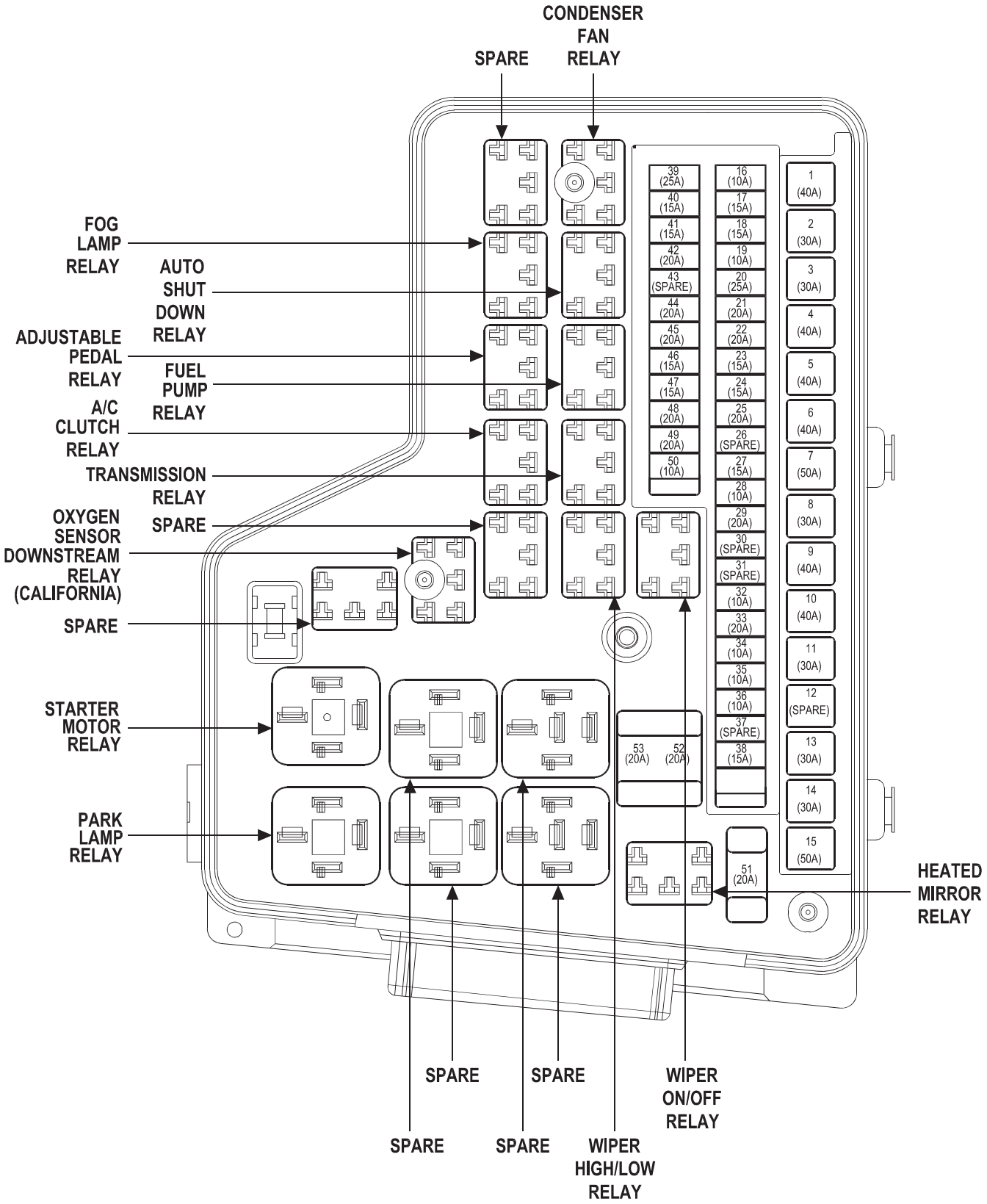
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8W-10 POWER DISTRIBUTION

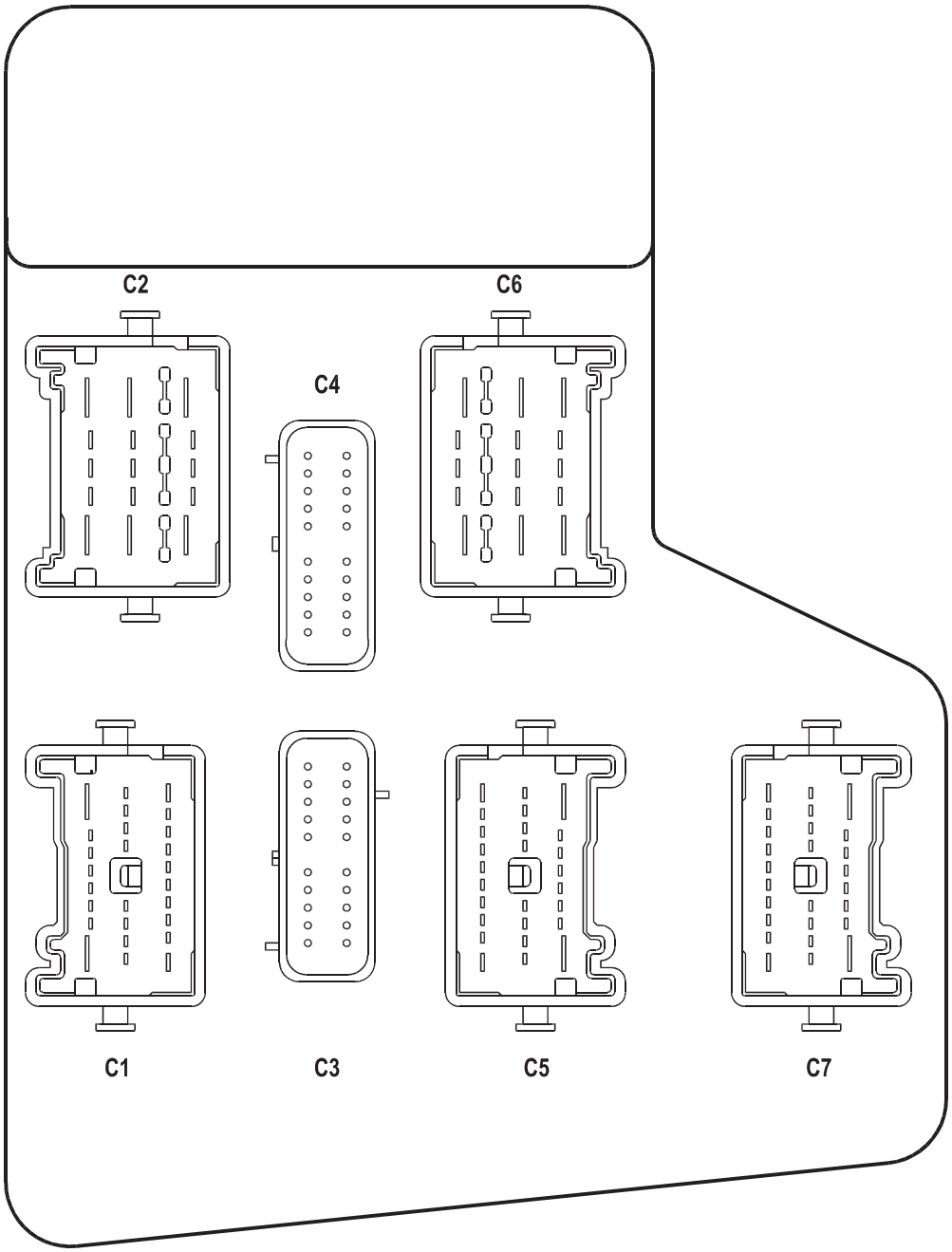
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INTEGRATED POWER MODULE



INTEGRATED POWER MODULE
(REAR VIEW)



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 □	FUSED IGNITION SWITCH OUTPUT (RUN-START)
12	30	A17 16 RD/BK □□	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	-	-

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 RLAY 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

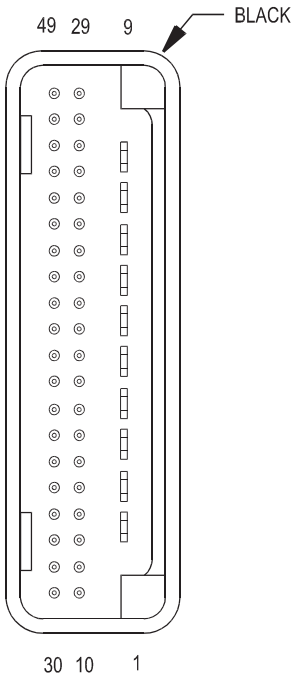
CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	WIPER CONTROL
85	INTERNAL	WIPER SPEED RELAY CONTROL
86	INTERNAL	FUSED B(+)
87	V4 16RD/YL	WIPER RELAY HIGH SPEED OUTPUT
87A	V3 16BR/WT	WIPER RELAY LOW SPEED OUTPUT

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

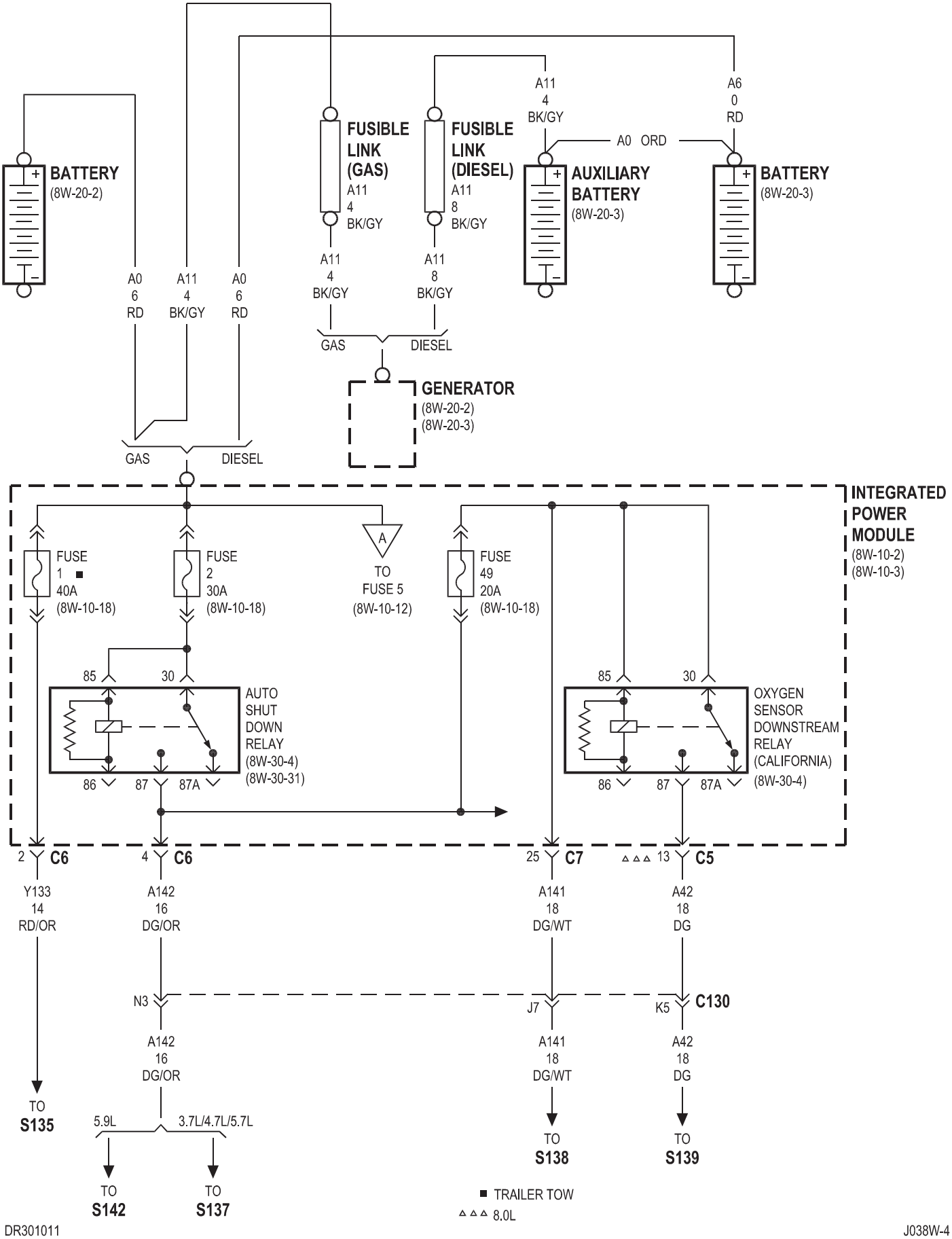
□□□ 3.7L/4.7L

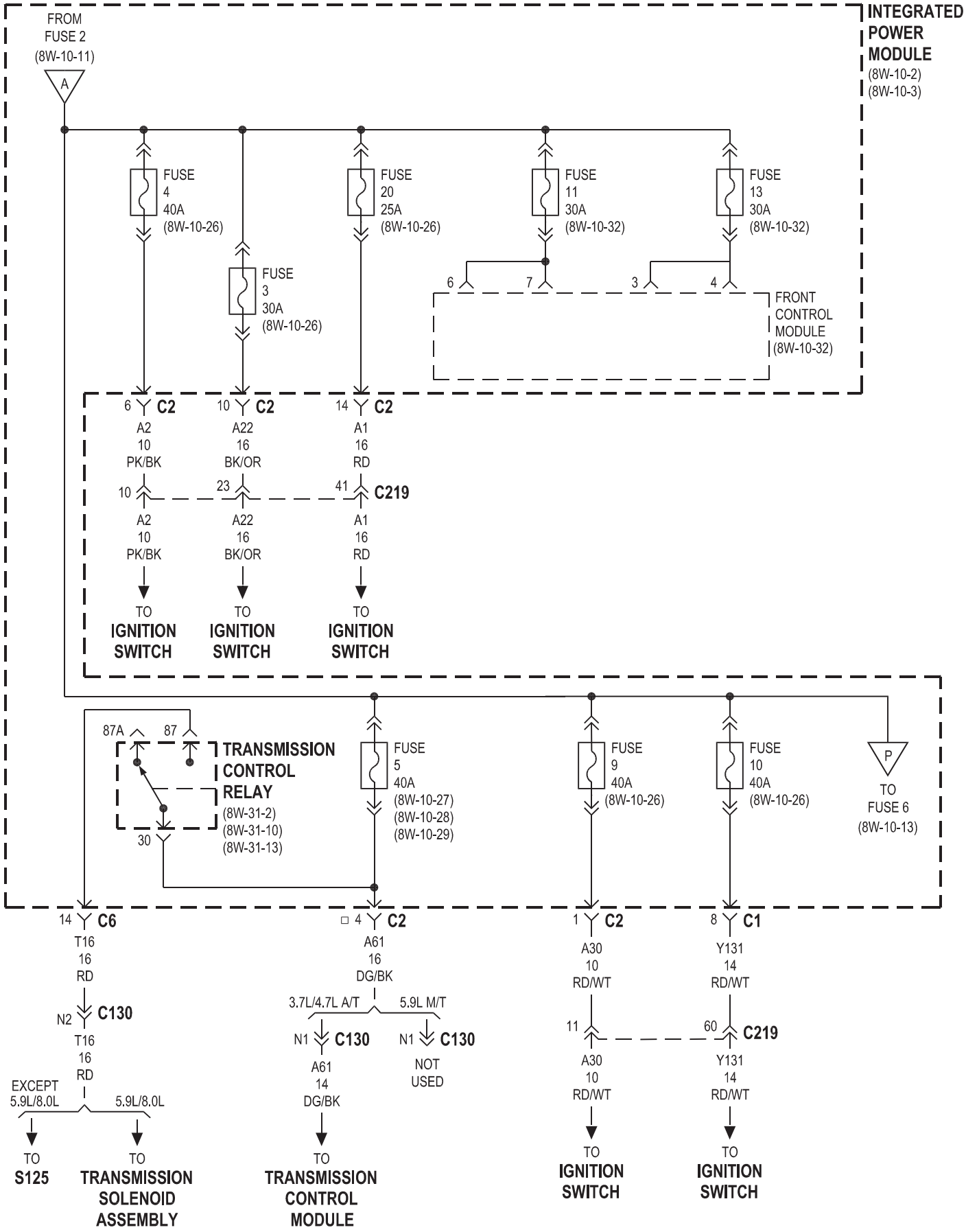
△△△ 5.9L



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

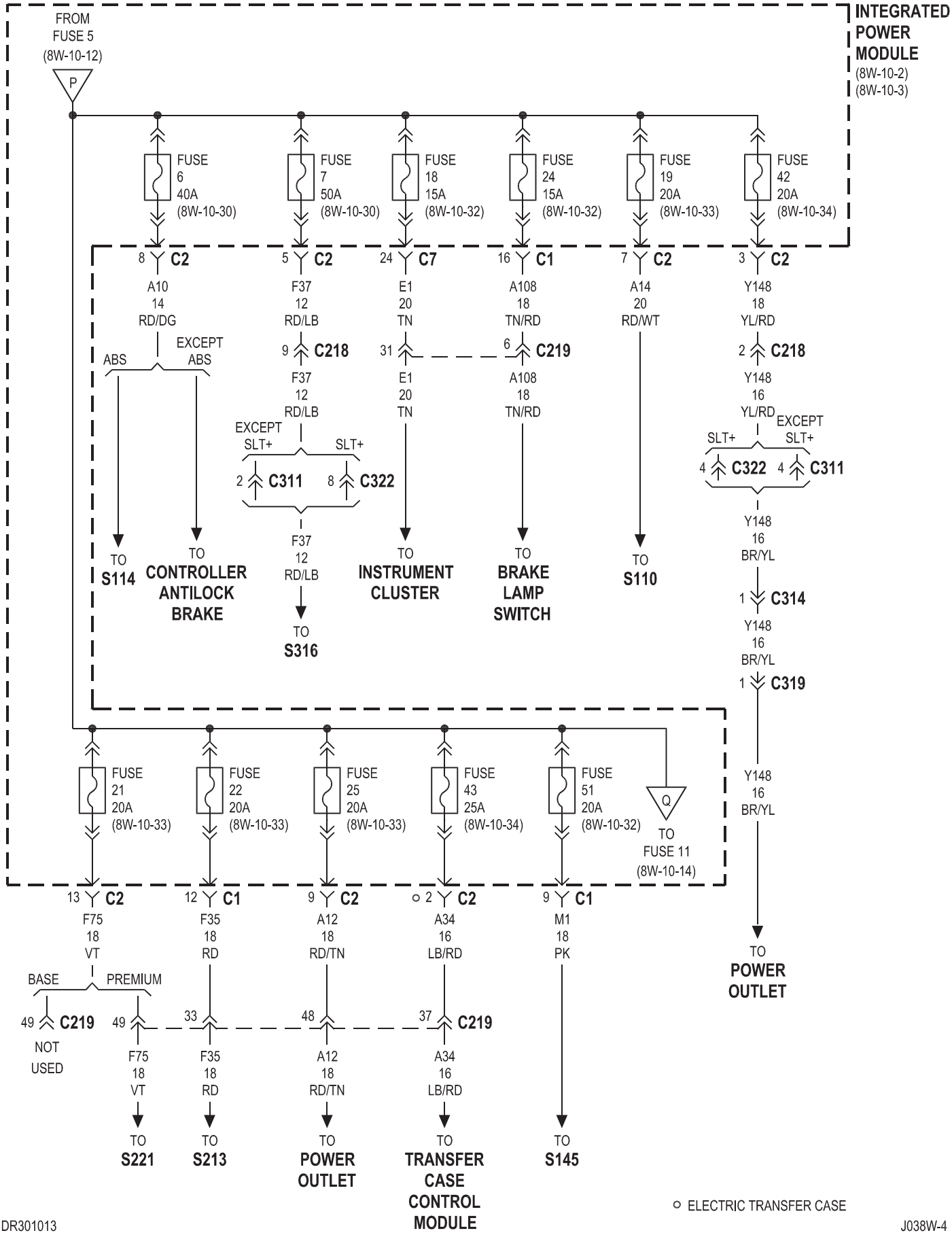

BATTERY
(8W-20-2)
A0
6
RD
A11
4
BK/GY
A0
6
RD
FUSIBLE
LINK
(GAS)
A11
4
BK/GY
FUSIBLE
LINK
(DIESEL)
A11
8
BK/GY
A11
4
BK/GY
A0 ORD
A6
0
RD
AUXILIARY
BATTERY
(8W-20-3)
BATTERY
(8W-20-3)
A11
4
BK/GY
A11
8
BK/GY
GAS
DIESEL
GENERATOR
(8W-20-2)
(8W-20-3)
GAS
DIESEL
INTEGRATED
POWER
MODULE
(8W-10-2)
(8W-10-3)
FUSE
1 ■
40A
(8W-10-18)
FUSE
2
30A
(8W-10-18)
A
TO
FUSE 5
(8W-10-12)
FUSE
49
20A
(8W-10-18)
85
30
AUTO
SHUT
DOWN
RELAY
(8W-30-4)
(8W-30-31)
86
87
87A
85
30
OXYGEN
SENSOR
DOWNSTREAM
RELAY
(CALIFORNIA)
(8W-30-4)
86
87
87A
2 C6
4 C6
25 C7
△△△ 13 C5
Y133
14
RD/OR
A142
16
DG/OR
A141
18
DG/WT
A42
18
DG
N3
J7
K5 C130
A142
16
DG/OR
A141
18
DG/WT
A42
18
DG
TO
S135
5.9L
3.7L/4.7L/5.7L
TO
S138
TO
S139
TO
S142
TO
S137
■ TRAILER TOW
△△△ 8.0L

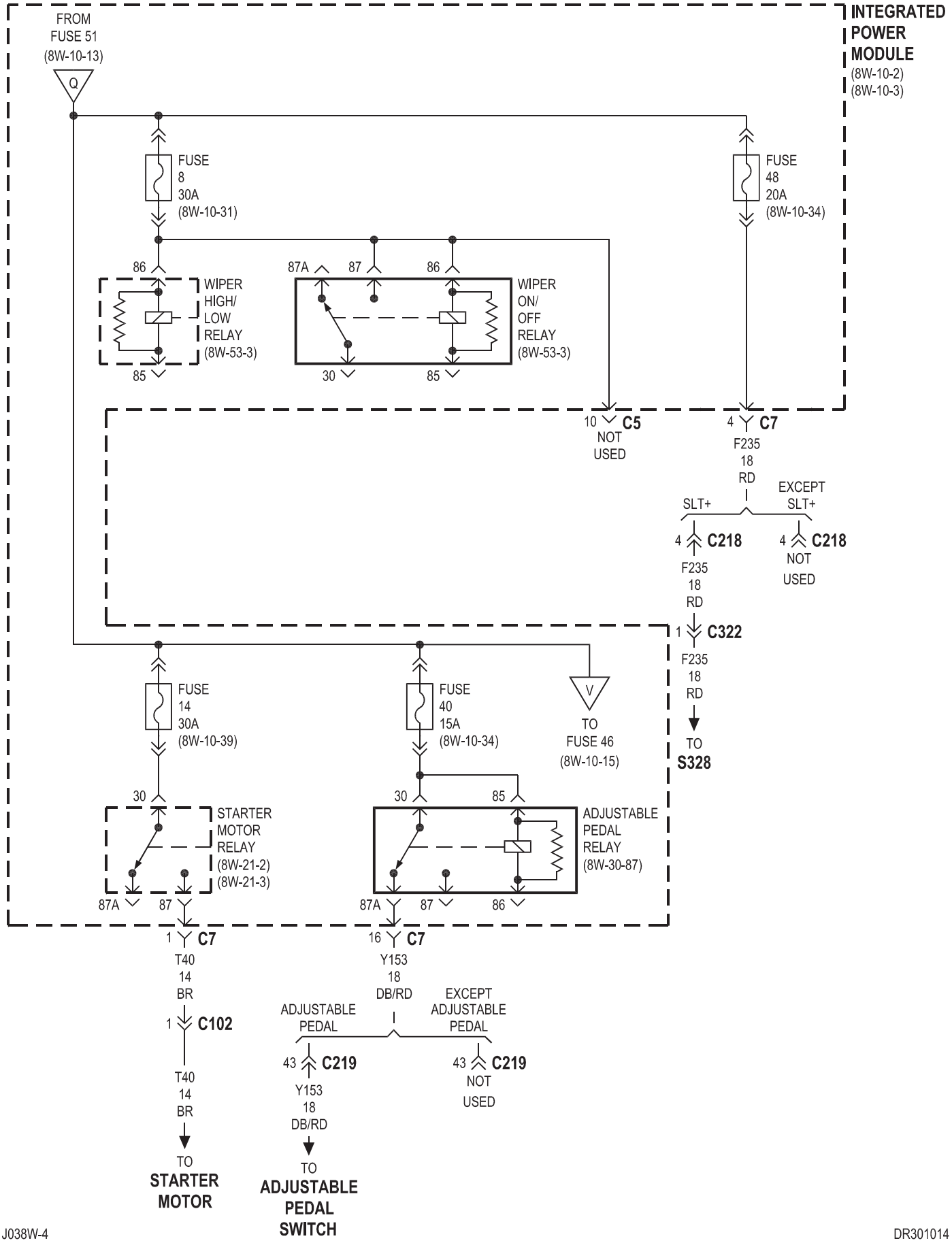


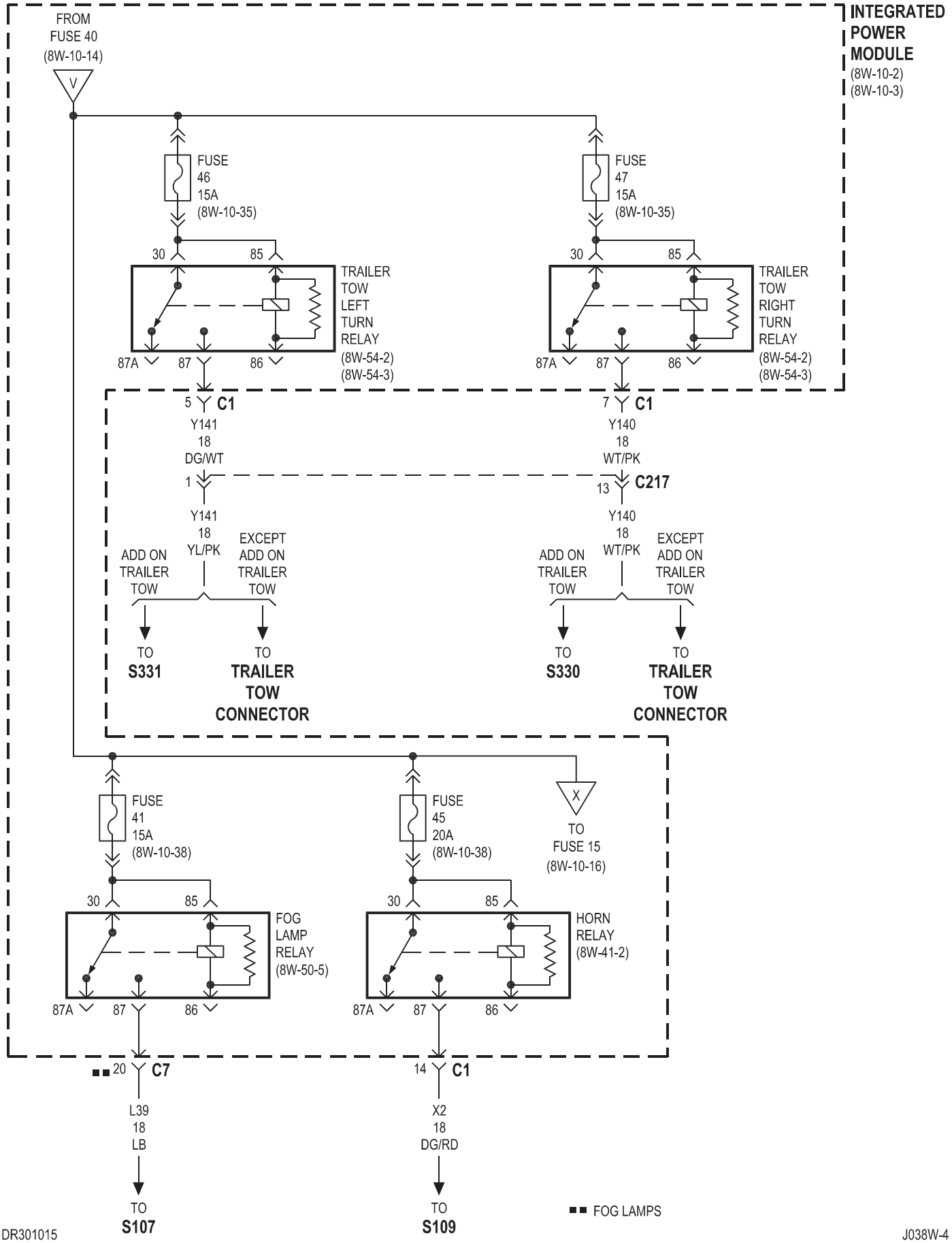
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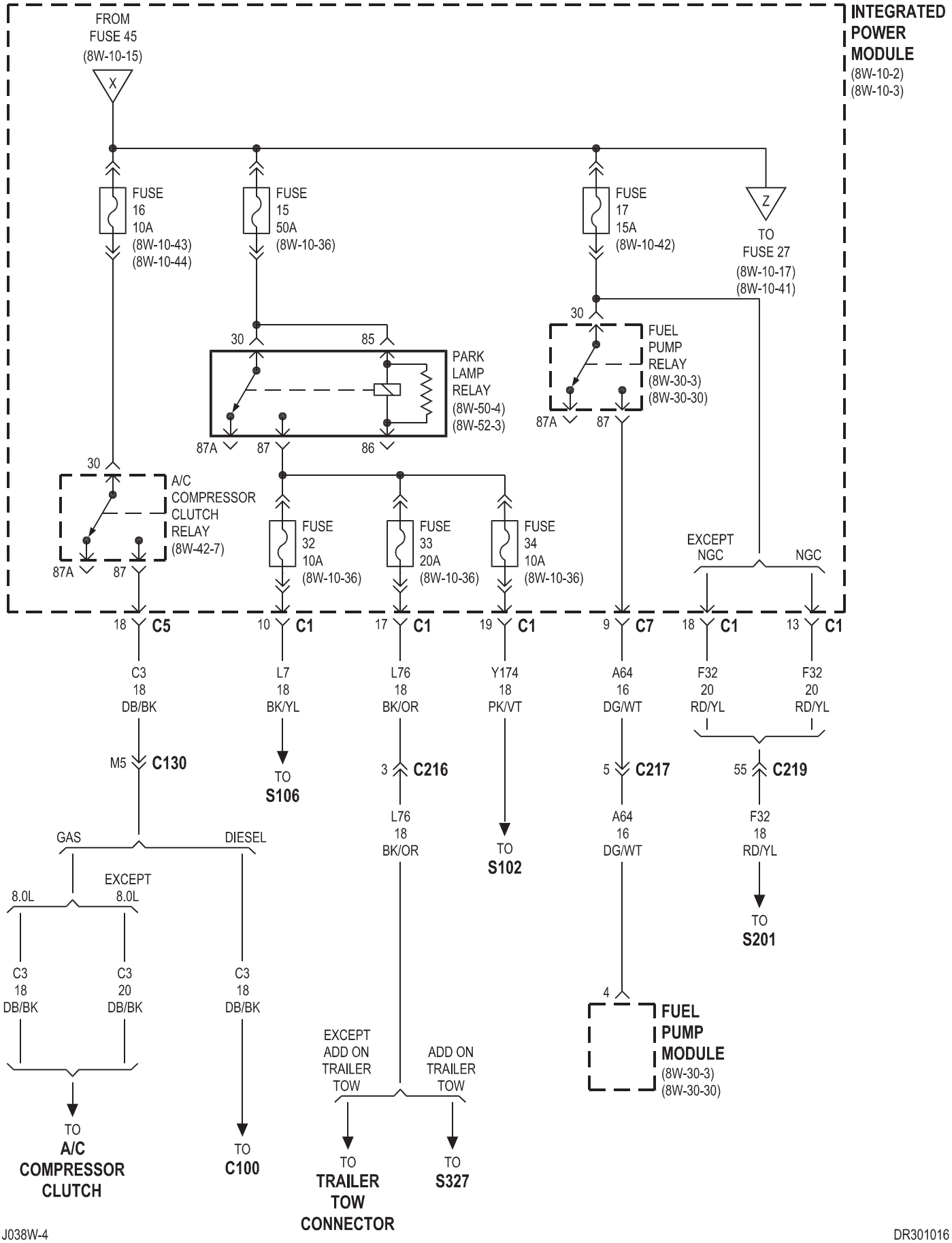
□ EXCEPT DIESEL/8.0L

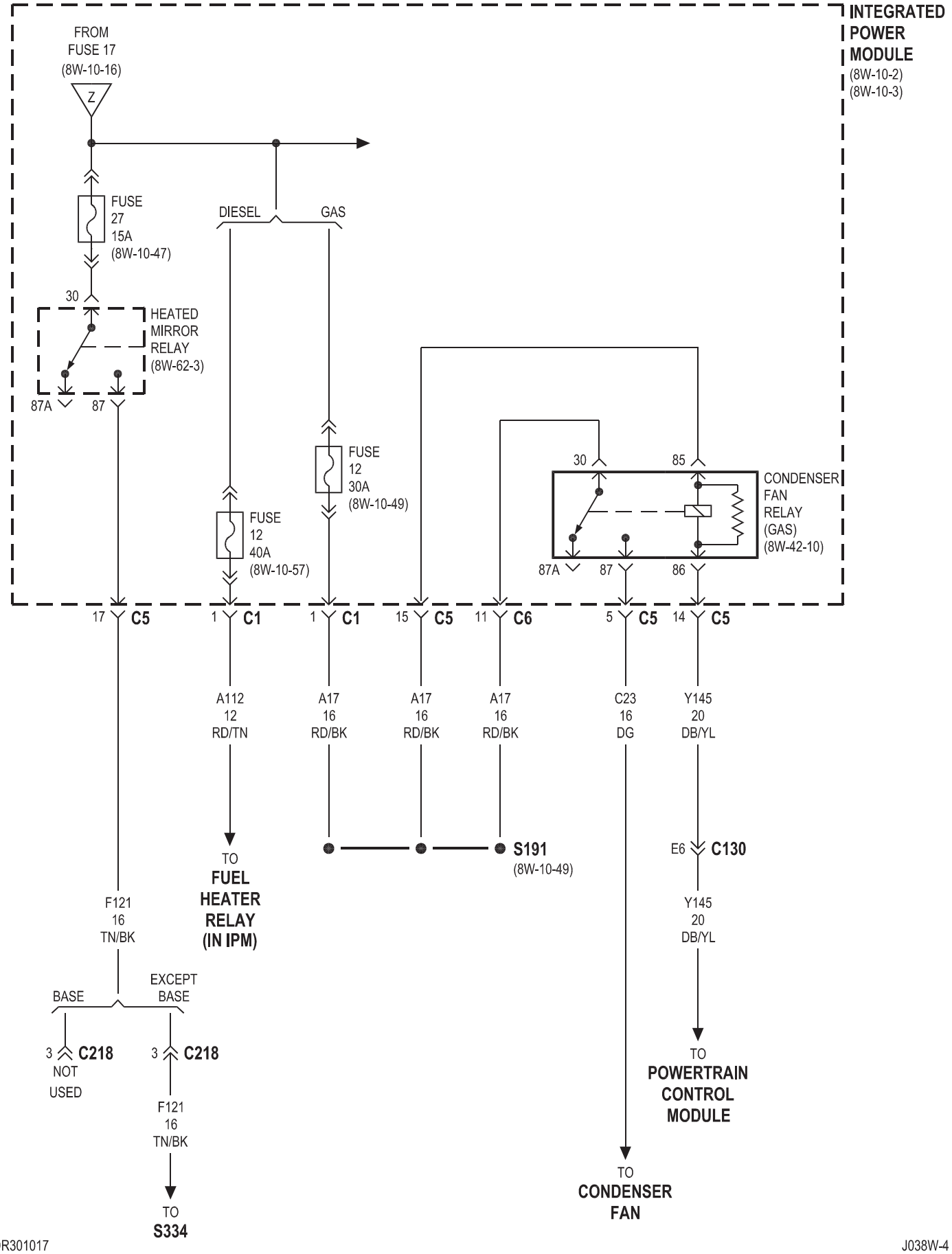
DR301012


INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FROM FUSE 5
(8W-10-12)
P
FUSE 6 40A (8W-10-30)
FUSE 7 50A (8W-10-30)
FUSE 18 15A (8W-10-32)
FUSE 24 15A (8W-10-32)
FUSE 19 20A (8W-10-33)
FUSE 42 20A (8W-10-34)
8 C2
5 C2
24 C7
16 C1
7 C2
3 C2
A10 14 RD/DG
F37 12 RD/LB
E1 20 TN
A108 18 TN/RD
A14 20 RD/WT
Y148 18 YL/RD
ABS
EXCEPT ABS
9 C218
31
6 C219
2 C218
F37 12 RD/LB
E1 20 TN
A108 18 TN/RD
Y148 16 YL/RD
EXCEPT SLT+
SLT+
2 C311
8 C322
4 C322
4 C311
TO S114
TO CONTROLLER ANTILOCK BRAKE
F37 12 RD/LB
TO S316
TO INSTRUMENT CLUSTER
TO BRAKE LAMP SWITCH
TO S110
Y148 16 BR/YL
1 C314
Y148 16 BR/YL
1 C319
FUSE 21 20A (8W-10-33)
FUSE 22 20A (8W-10-33)
FUSE 25 20A (8W-10-33)
FUSE 43 25A (8W-10-34)
FUSE 51 20A (8W-10-32)
Q
TO FUSE 11 (8W-10-14)
Y148 16 BR/YL
TO POWER OUTLET
13 C2
12 C1
9 C2
2 C2
9 C1
F75 18 VT
F35 18 RD
A12 18 RD/TN
A34 16 LB/RD
M1 18 PK
BASE
PREMIUM
49 C219
49
33
48
37 C219
NOT USED
F75 18 VT
F35 18 RD
A12 18 RD/TN
A34 16 LB/RD
TO S221
TO S213
TO POWER OUTLET
TO TRANSFER CASE CONTROL MODULE
TO S145
ELECTRIC TRANSFER CASE


INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FROM FUSE 51
(8W-10-13)
Q
FUSE 8 30A
(8W-10-31)
FUSE 48 20A
(8W-10-34)
86
WIPER HIGH/ LOW RELAY
(8W-53-3)
85
87A
87
86
WIPER ON/ OFF RELAY
(8W-53-3)
30
85
10 C5
NOT USED
4 C7
F235 18 RD
EXCEPT SLT+
SLT+
4 C218
F235 18 RD
4 C218
NOT USED
1 C322
F235 18 RD
TO S328
FUSE 14 30A
(8W-10-39)
FUSE 40 15A
(8W-10-34)
V
TO FUSE 46
(8W-10-15)
30
STARTER MOTOR RELAY
(8W-21-2)
(8W-21-3)
87A
87
30
85
ADJUSTABLE PEDAL RELAY
(8W-30-87)
87A
87
86
1 C7
T40 14 BR
1 C102
T40 14 BR
TO STARTER MOTOR
16 C7
Y153 18 DB/RD
ADJUSTABLE PEDAL
EXCEPT ADJUSTABLE PEDAL
43 C219
Y153 18 DB/RD
TO ADJUSTABLE PEDAL SWITCH
43 C219
NOT USED

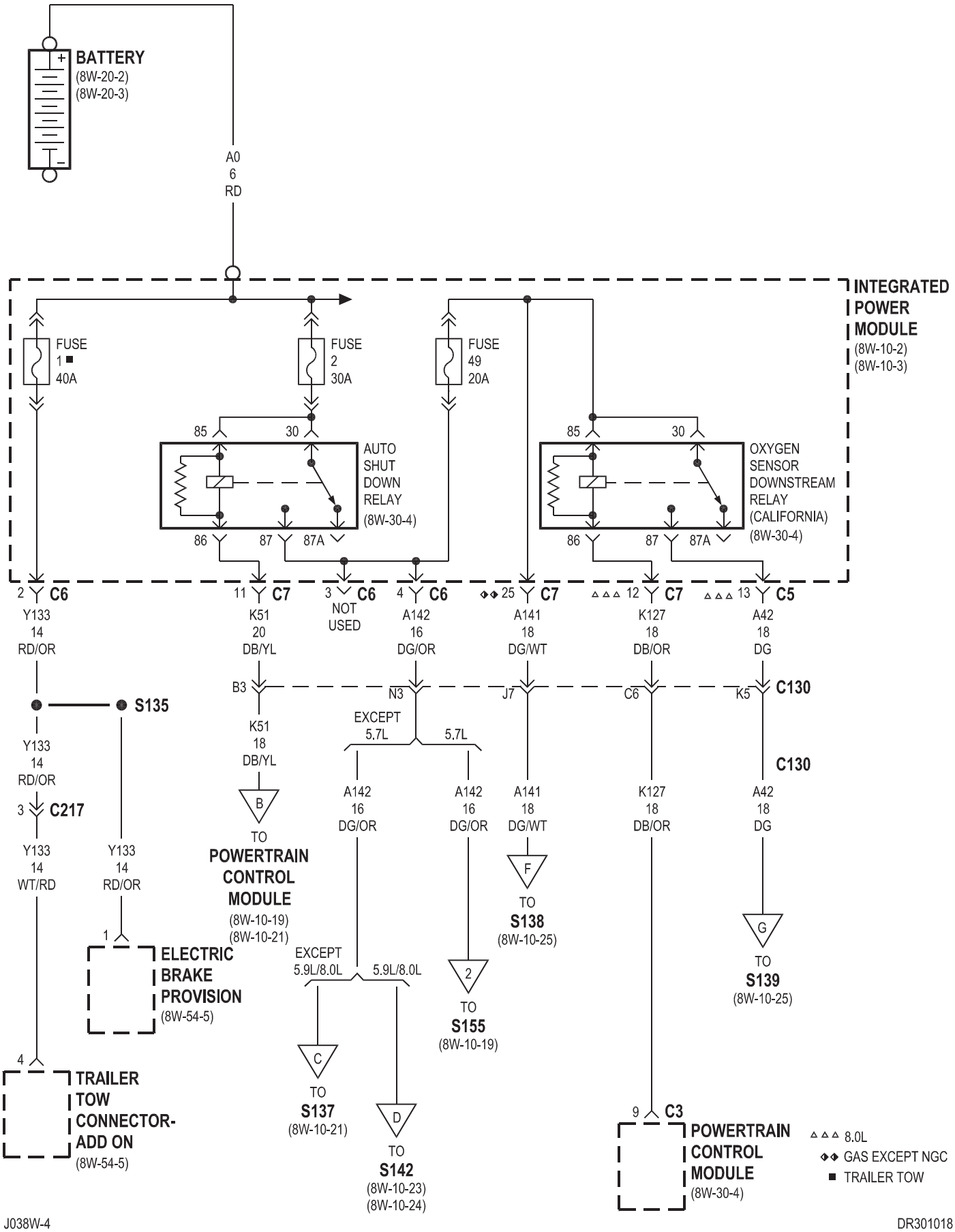

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FROM FUSE 40
(8W-10-14)
V
FUSE 46 15A (8W-10-35)
FUSE 47 15A (8W-10-35)
30
85
87A
87
86
TRAILER TOW LEFT TURN RELAY
(8W-54-2)
(8W-54-3)
TRAILER TOW RIGHT TURN RELAY
(8W-54-2)
(8W-54-3)
5 C1
Y141 18 DG/WT
7 C1
Y140 18 WT/PK
1
Y141 18 YL/PK
13 C217
Y140 18 WT/PK
ADD ON TRAILER TOW
EXCEPT ADD ON TRAILER TOW
TO S331
TO TRAILER TOW CONNECTOR
TO S330
TO TRAILER TOW CONNECTOR
FUSE 41 15A (8W-10-38)
FUSE 45 20A (8W-10-38)
X
TO FUSE 15
(8W-10-16)
FOG LAMP RELAY (8W-50-5)
HORN RELAY (8W-41-2)
20 C7
14 C1
L39 18 LB
X2 18 DG/RD
TO S107
TO S109
FOG LAMPS

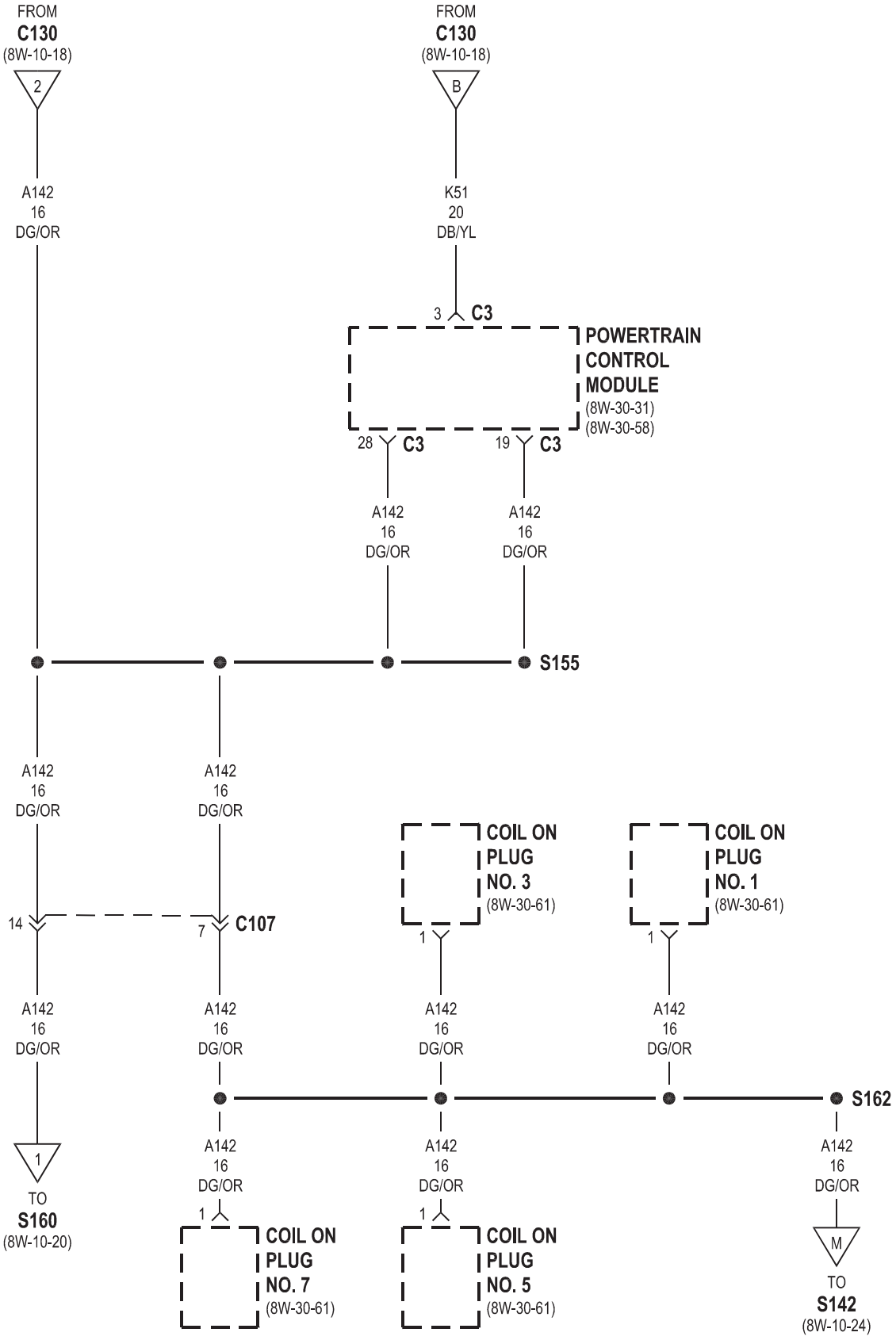

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FROM FUSE 45
(8W-10-15)
X
FUSE 16 10A
(8W-10-43)
(8W-10-44)
FUSE 15 50A
(8W-10-36)
FUSE 17 15A
(8W-10-42)
Z
TO FUSE 27
(8W-10-17)
(8W-10-41)
30
85
PARK LAMP RELAY
(8W-50-4)
(8W-52-3)
87A
87
86
FUEL PUMP RELAY
(8W-30-3)
(8W-30-30)
A/C COMPRESSOR CLUTCH RELAY
(8W-42-7)
FUSE 32 10A
(8W-10-36)
FUSE 33 20A
(8W-10-36)
FUSE 34 10A
(8W-10-36)
EXCEPT NGC
NGC
18 C5
10 C1
17 C1
19 C1
9 C7
18 C1
13 C1
C3 18 DB/BK
L7 18 BK/YL
L76 18 BK/OR
Y174 18 PK/VT
A64 16 DG/WT
F32 20 RD/YL
F32 20 RD/YL
M5 C130
TO S106
3 C216
5 C217
55 C219
L76 18 BK/OR
TO S102
A64 16 DG/WT
F32 18 RD/YL
TO S201
GAS
DIESEL
8.0L
EXCEPT 8.0L
C3 18 DB/BK
C3 20 DB/BK
C3 18 DB/BK
4
FUEL PUMP MODULE
(8W-30-3)
(8W-30-30)
EXCEPT ADD ON TRAILER TOW
ADD ON TRAILER TOW
TO A/C COMPRESSOR CLUTCH
TO C100
TO TRAILER TOW CONNECTOR
TO S327

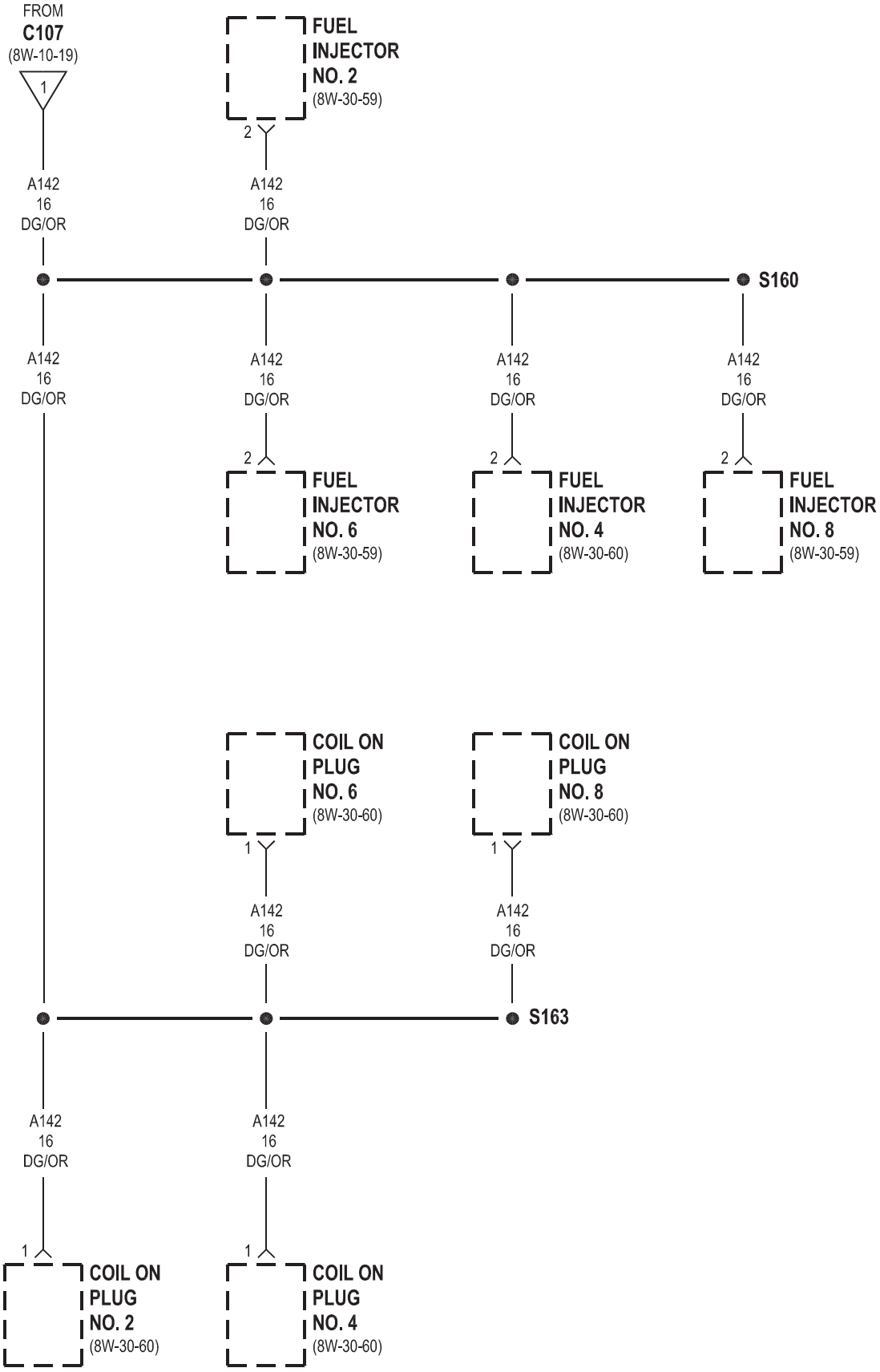


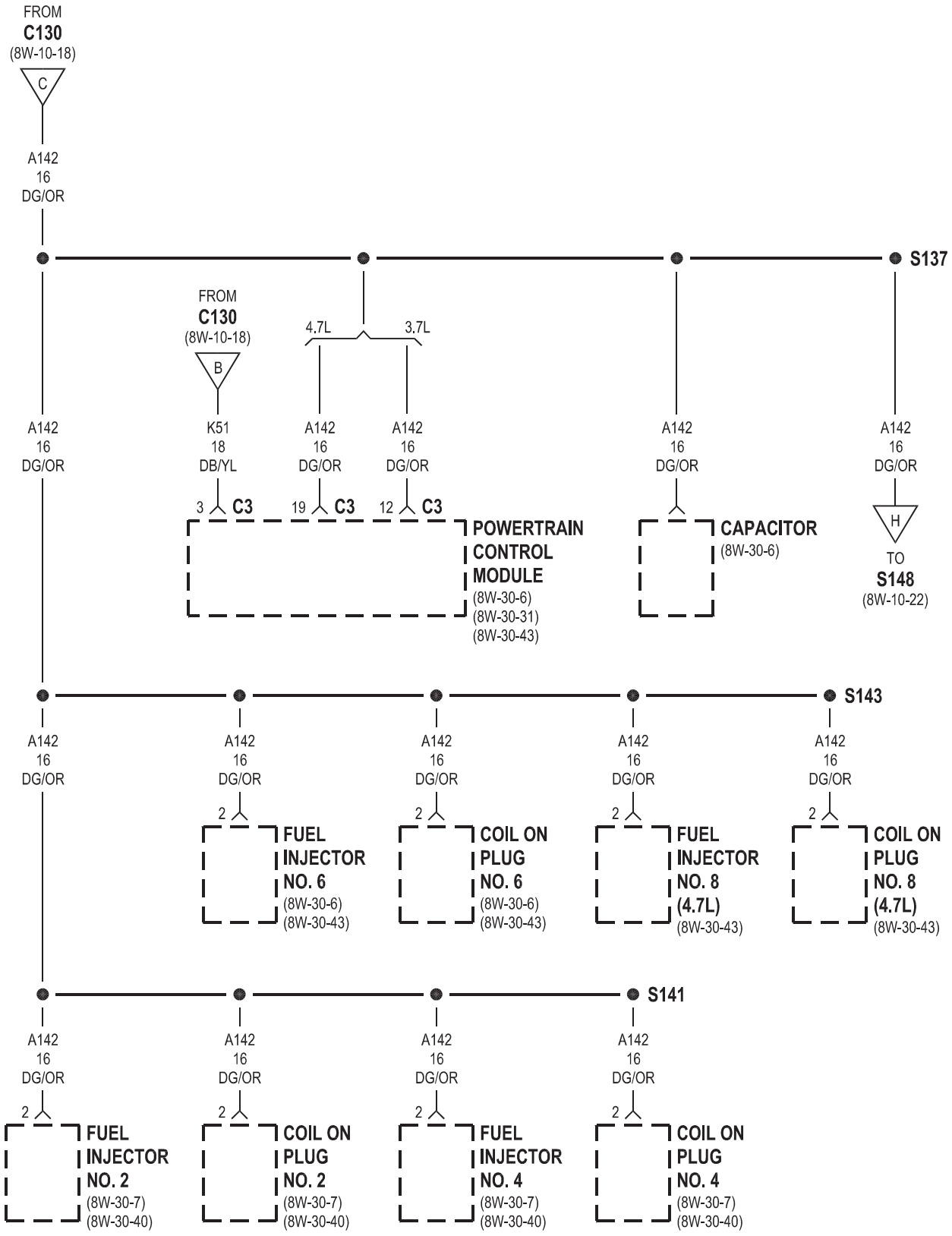
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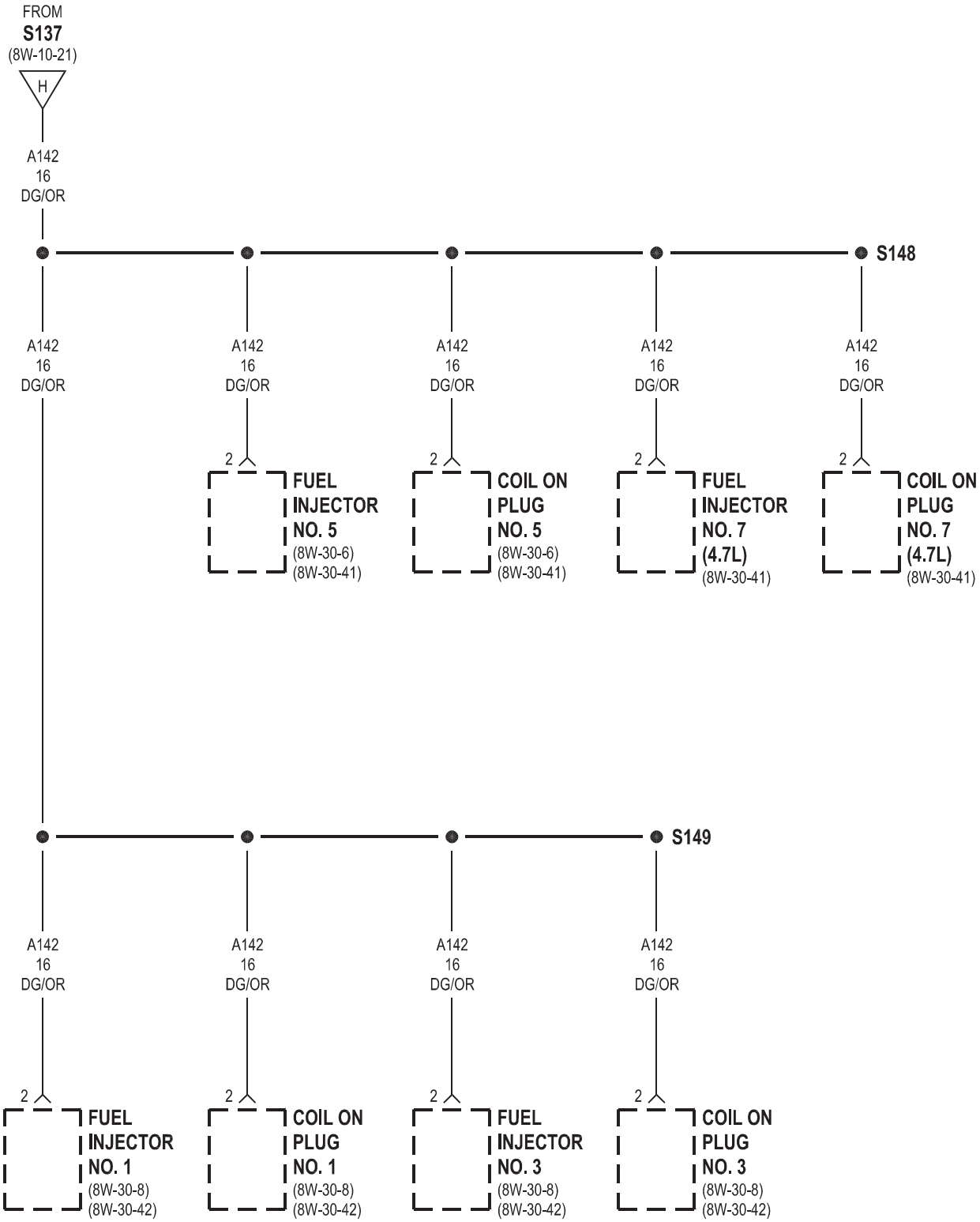
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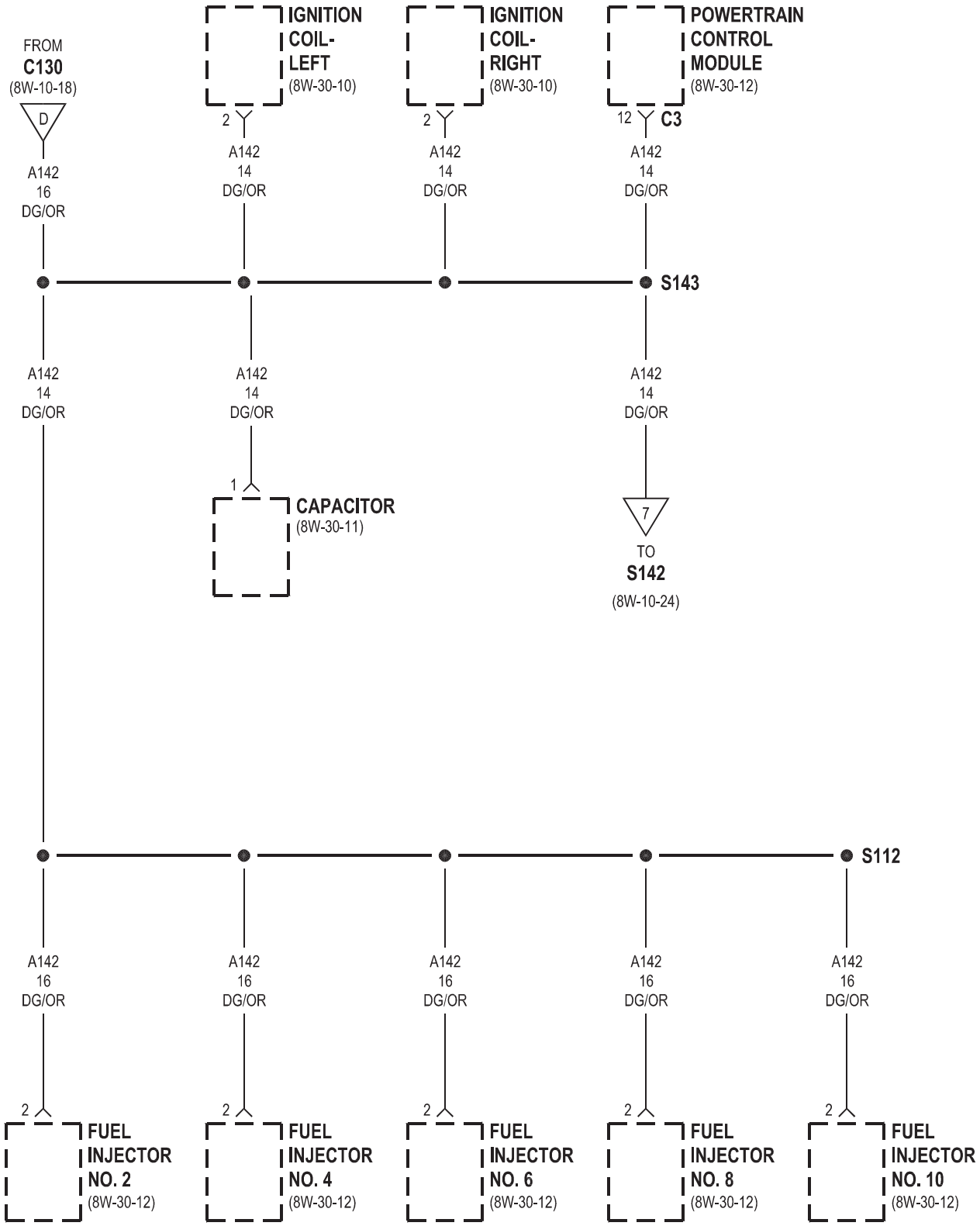

BATTERY
(8W-20-2)
(8W-20-3)
A0
6
RD
INTEGRATED
POWER
MODULE
(8W-10-2)
(8W-10-3)
FUSE
1 ■
40A
FUSE
2
30A
FUSE
49
20A
85
30
AUTO
SHUT
DOWN
RELAY
(8W-30-4)
86
87
87A
OXYGEN
SENSOR
DOWNSTREAM
RELAY
(CALIFORNIA)
(8W-30-4)
2 C6
Y133
14
RD/OR
11 C7
K51
20
DB/YL
3 C6
NOT
USED
4 C6
A142
16
DG/OR
◆◆ 25 C7
A141
18
DG/WT
△△△ 12 C7
K127
18
DB/OR
△△△ 13 C5
A42
18
DG
B3
N3
J7
C6
K5
C130
S135
Y133
14
RD/OR
3 C217
Y133
14
WT/RD
Y133
14
RD/OR
K51
18
DB/YL
B
TO
POWERTRAIN
CONTROL
MODULE
(8W-10-19)
(8W-10-21)
EXCEPT
5.7L
5.7L
A142
16
DG/OR
A142
16
DG/OR
A141
18
DG/WT
K127
18
DB/OR
A42
18
DG
C130
F
TO
S138
(8W-10-25)
G
TO
S139
(8W-10-25)
1
ELECTRIC
BRAKE
PROVISION
(8W-54-5)
EXCEPT
5.9L/8.0L
5.9L/8.0L
2
TO
S155
(8W-10-19)
4
TRAILER
TOW
CONNECTOR-
ADD ON
(8W-54-5)
C
TO
S137
(8W-10-21)
D
TO
S142
(8W-10-23)
(8W-10-24)
9 C3
POWERTRAIN
CONTROL
MODULE
(8W-30-4)
△△△ 8.0L
◆◆ GAS EXCEPT NGC
■ TRAILER TOW


FROM
C130
(8W-10-18)
2
A142
16
DG/OR
FROM
C130
(8W-10-18)
B
K51
20
DB/YL
3 C3
POWERTRAIN
CONTROL
MODULE
(8W-30-31)
(8W-30-58)
28 C3
19 C3
A142
16
DG/OR
A142
16
DG/OR
S155
A142
16
DG/OR
A142
16
DG/OR
COIL ON
PLUG
NO. 3
(8W-30-61)
COIL ON
PLUG
NO. 1
(8W-30-61)
14
7 C107
1
1
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
S162
1
TO
S160
(8W-10-20)
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
1
1
M
TO
S142
(8W-10-24)
COIL ON
PLUG
NO. 7
(8W-30-61)
COIL ON
PLUG
NO. 5
(8W-30-61)

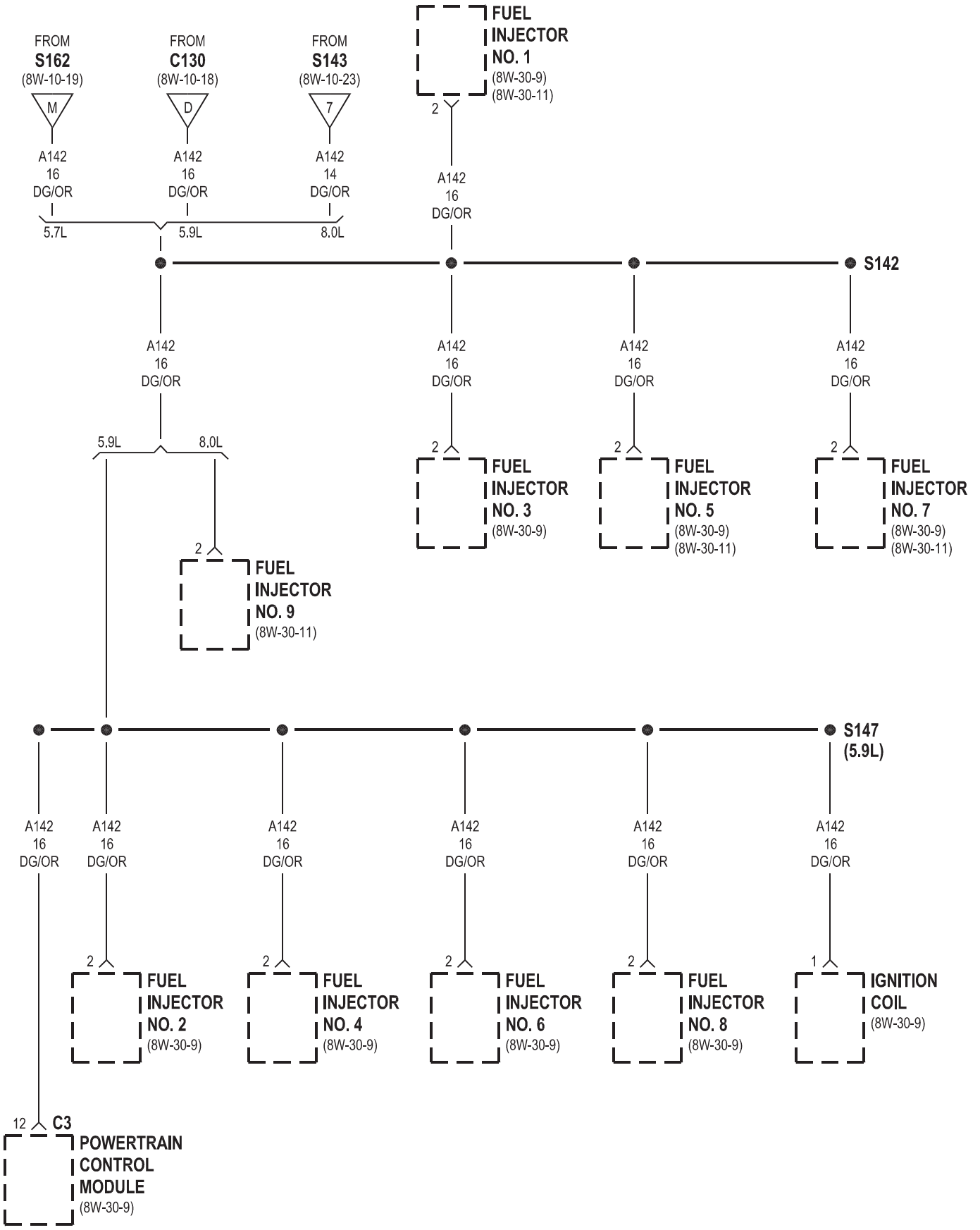

FROM
C107
(8W-10-19)
1
A142
16
DG/OR
FUEL
INJECTOR
NO. 2
(8W-30-59)
2
A142
16
DG/OR
S160
A142
16
DG/OR
2
FUEL
INJECTOR
NO. 6
(8W-30-59)
2
FUEL
INJECTOR
NO. 4
(8W-30-60)
2
FUEL
INJECTOR
NO. 8
(8W-30-59)
COIL ON
PLUG
NO. 6
(8W-30-60)
1
COIL ON
PLUG
NO. 8
(8W-30-60)
S163
1
COIL ON
PLUG
NO. 2
(8W-30-60)
COIL ON
PLUG
NO. 4
(8W-30-60)

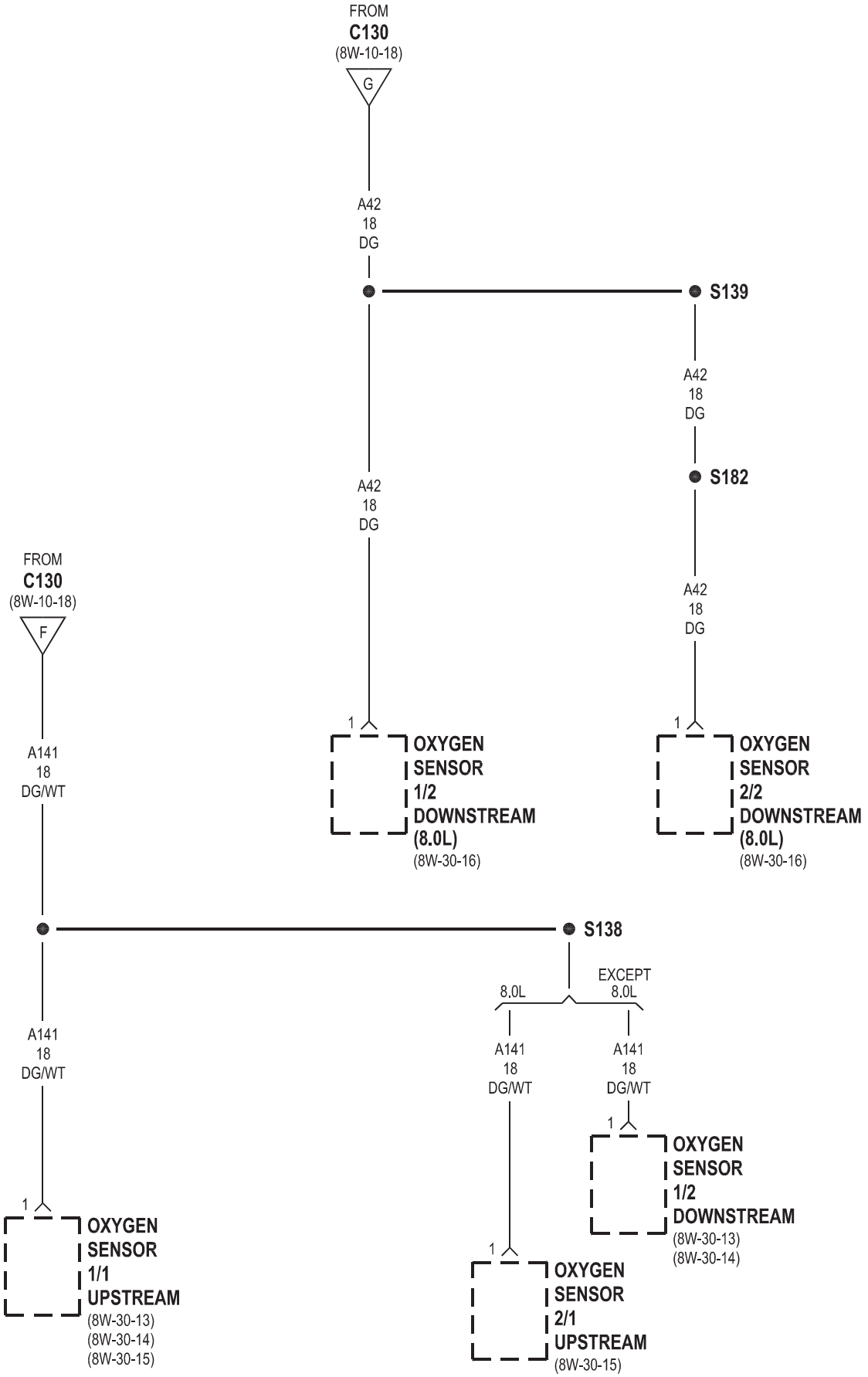

FROM
C130
(8W-10-18)
C
A142
16
DG/OR
S137
FROM
C130
(8W-10-18)
B
4.7L
3.7L
A142
16
DG/OR
K51
18
DB/YL
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
3
C3
19
C3
12
C3
POWERTRAIN
CONTROL
MODULE
(8W-30-6)
(8W-30-31)
(8W-30-43)
CAPACITOR
(8W-30-6)
H
TO
S148
(8W-10-22)
S143
2
FUEL
INJECTOR
NO. 6
(8W-30-6)
(8W-30-43)
COIL ON
PLUG
NO. 6
(8W-30-6)
(8W-30-43)
FUEL
INJECTOR
NO. 8
(4.7L)
(8W-30-43)
COIL ON
PLUG
NO. 8
(4.7L)
(8W-30-43)
S141
FUEL
INJECTOR
NO. 2
(8W-30-7)
(8W-30-40)
COIL ON
PLUG
NO. 2
(8W-30-7)
(8W-30-40)
FUEL
INJECTOR
NO. 4
(8W-30-7)
(8W-30-40)
COIL ON
PLUG
NO. 4
(8W-30-7)
(8W-30-40)

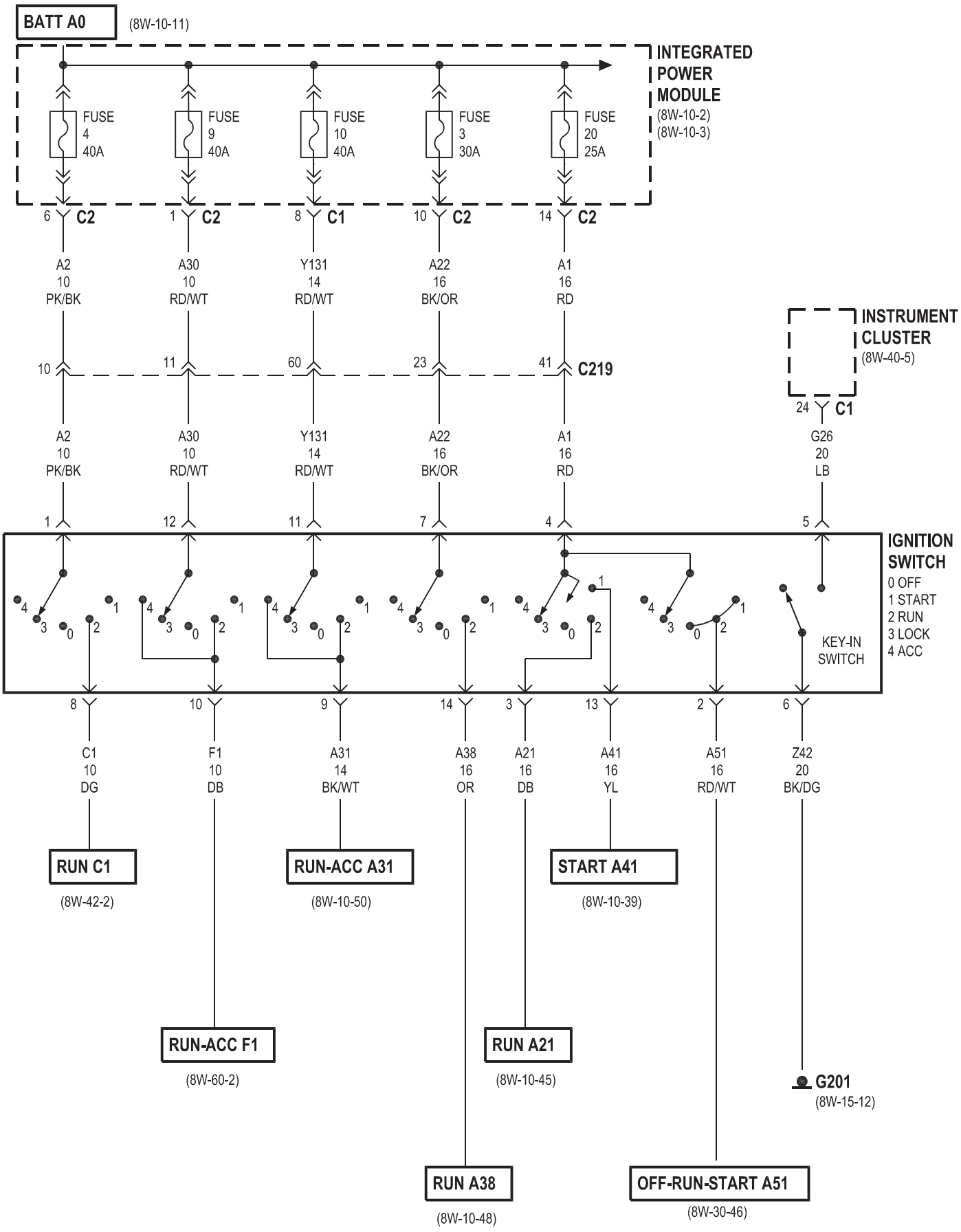

FROM
S137
(8W-10-21)
H
A142
16
DG/OR
S148
A142
16
DG/OR
2
FUEL
INJECTOR
NO. 5
(8W-30-6)
(8W-30-41)
COIL ON
PLUG
NO. 5
(8W-30-6)
(8W-30-41)
FUEL
INJECTOR
NO. 7
(4.7L)
(8W-30-41)
COIL ON
PLUG
NO. 7
(4.7L)
(8W-30-41)
S149
FUEL
INJECTOR
NO. 1
(8W-30-8)
(8W-30-42)
COIL ON
PLUG
NO. 1
(8W-30-8)
(8W-30-42)
FUEL
INJECTOR
NO. 3
(8W-30-8)
(8W-30-42)
COIL ON
PLUG
NO. 3
(8W-30-8)
(8W-30-42)

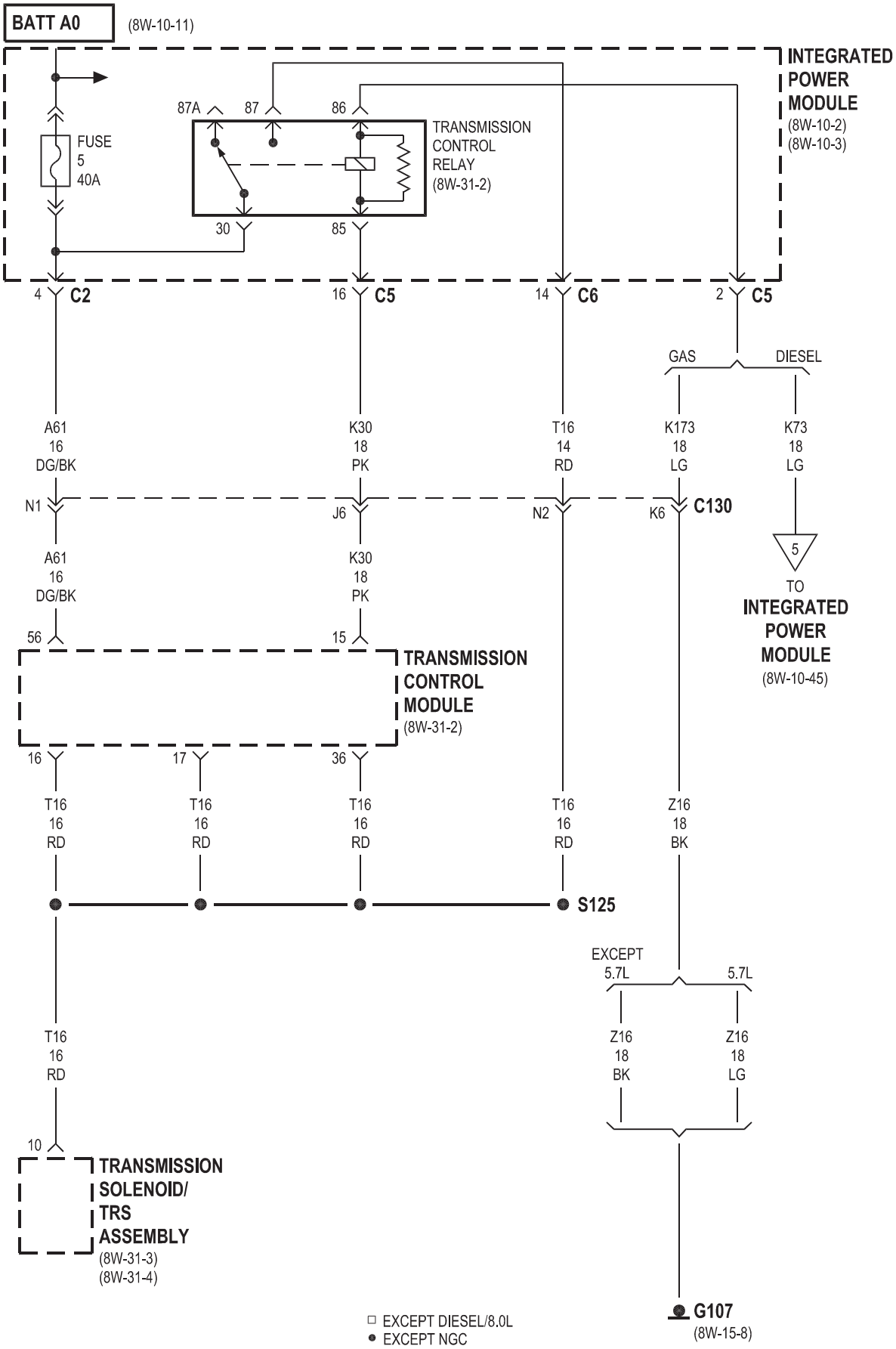

FROM
C130
(8W-10-18)
D
A142
16
DG/OR
IGNITION
COIL-
LEFT
(8W-30-10)
2
A142
14
DG/OR
IGNITION
COIL-
RIGHT
(8W-30-10)
2
A142
14
DG/OR
POWERTRAIN
CONTROL
MODULE
(8W-30-12)
12
C3
A142
14
DG/OR
S143
A142
14
DG/OR
A142
14
DG/OR
A142
14
DG/OR
1
CAPACITOR
(8W-30-11)
7
TO
S142
(8W-10-24)
S112
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
2
FUEL
INJECTOR
NO. 2
(8W-30-12)
2
FUEL
INJECTOR
NO. 4
(8W-30-12)
2
FUEL
INJECTOR
NO. 6
(8W-30-12)
2
FUEL
INJECTOR
NO. 8
(8W-30-12)
2
FUEL
INJECTOR
NO. 10
(8W-30-12)

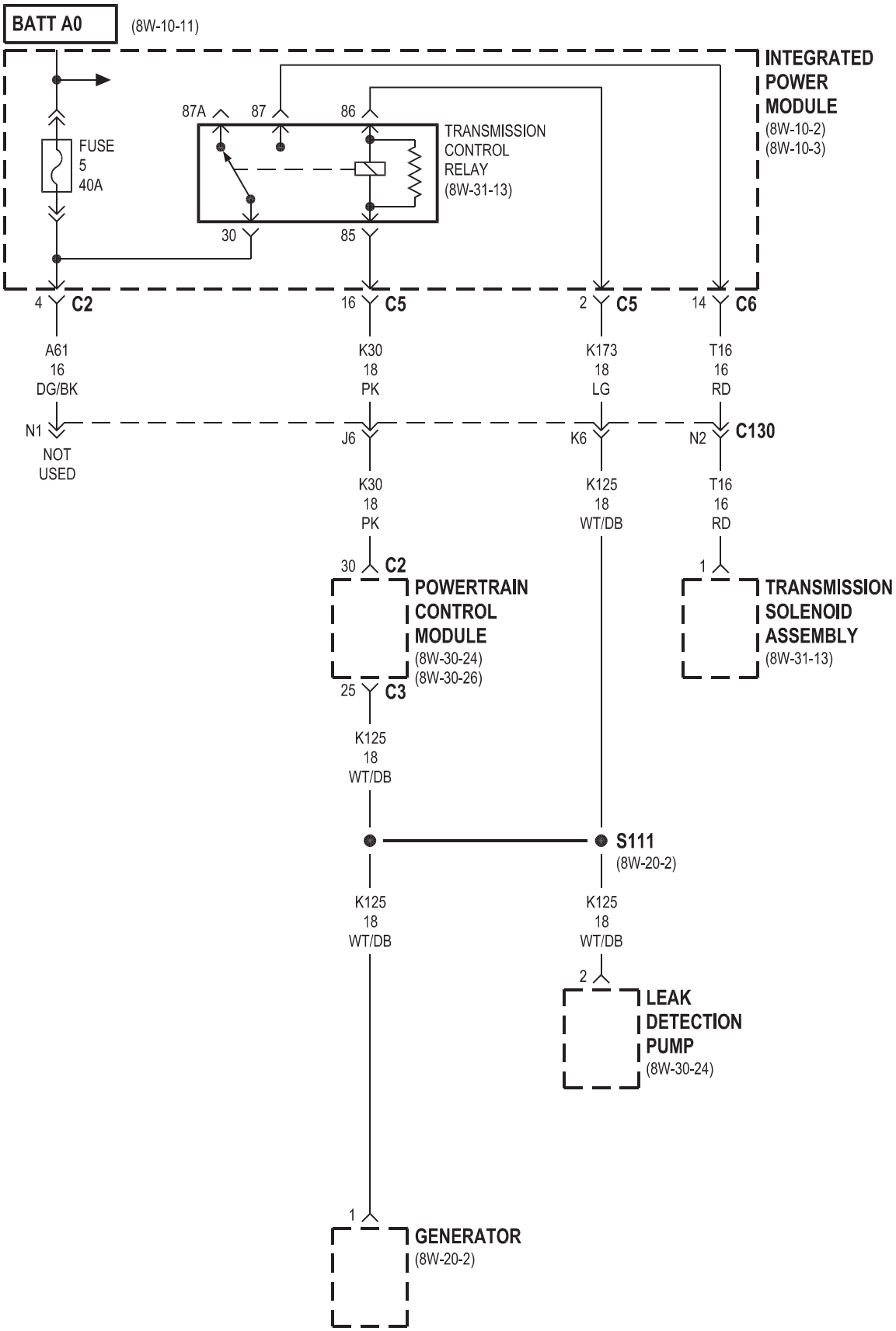
5.7L/5.9L/8.0L

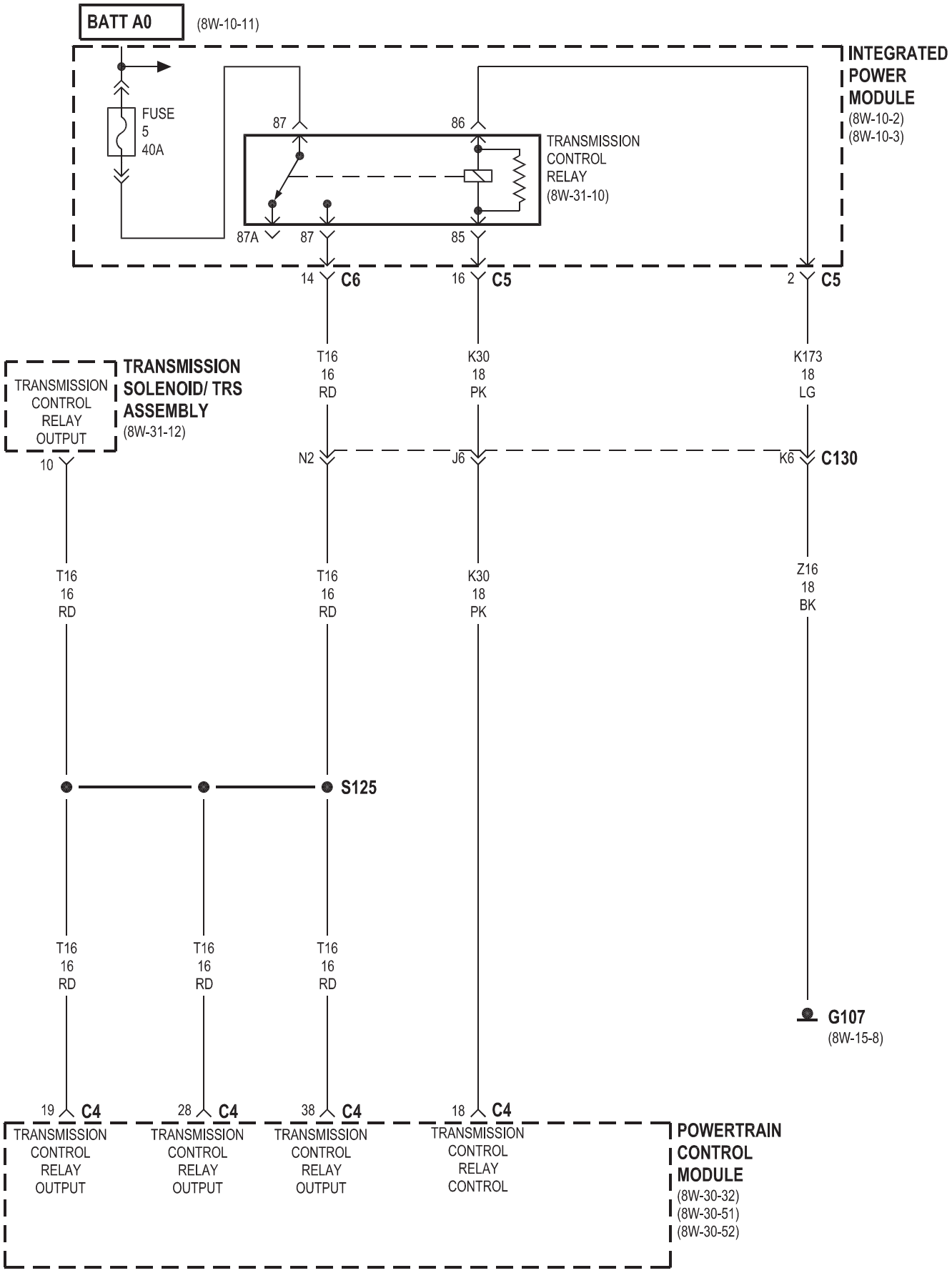

FROM S162 (8W-10-19)
M
A142 16 DG/OR
5.7L
FROM C130 (8W-10-18)
D
A142 16 DG/OR
5.9L
FROM S143 (8W-10-23)
7
A142 14 DG/OR
8.0L
FUEL INJECTOR NO. 1 (8W-30-9) (8W-30-11)
2
A142 16 DG/OR
S142
A142 16 DG/OR
5.9L
8.0L
2
FUEL INJECTOR NO. 9 (8W-30-11)
A142 16 DG/OR
2
FUEL INJECTOR NO. 3 (8W-30-9)
A142 16 DG/OR
2
FUEL INJECTOR NO. 5 (8W-30-9) (8W-30-11)
A142 16 DG/OR
2
FUEL INJECTOR NO. 7 (8W-30-9) (8W-30-11)
S147 (5.9L)
A142 16 DG/OR
12
C3
POWERTRAIN CONTROL MODULE (8W-30-9)
A142 16 DG/OR
2
FUEL INJECTOR NO. 2 (8W-30-9)
A142 16 DG/OR
2
FUEL INJECTOR NO. 4 (8W-30-9)
A142 16 DG/OR
2
FUEL INJECTOR NO. 6 (8W-30-9)
A142 16 DG/OR
2
FUEL INJECTOR NO. 8 (8W-30-9)
A142 16 DG/OR
1
IGNITION COIL (8W-30-9)

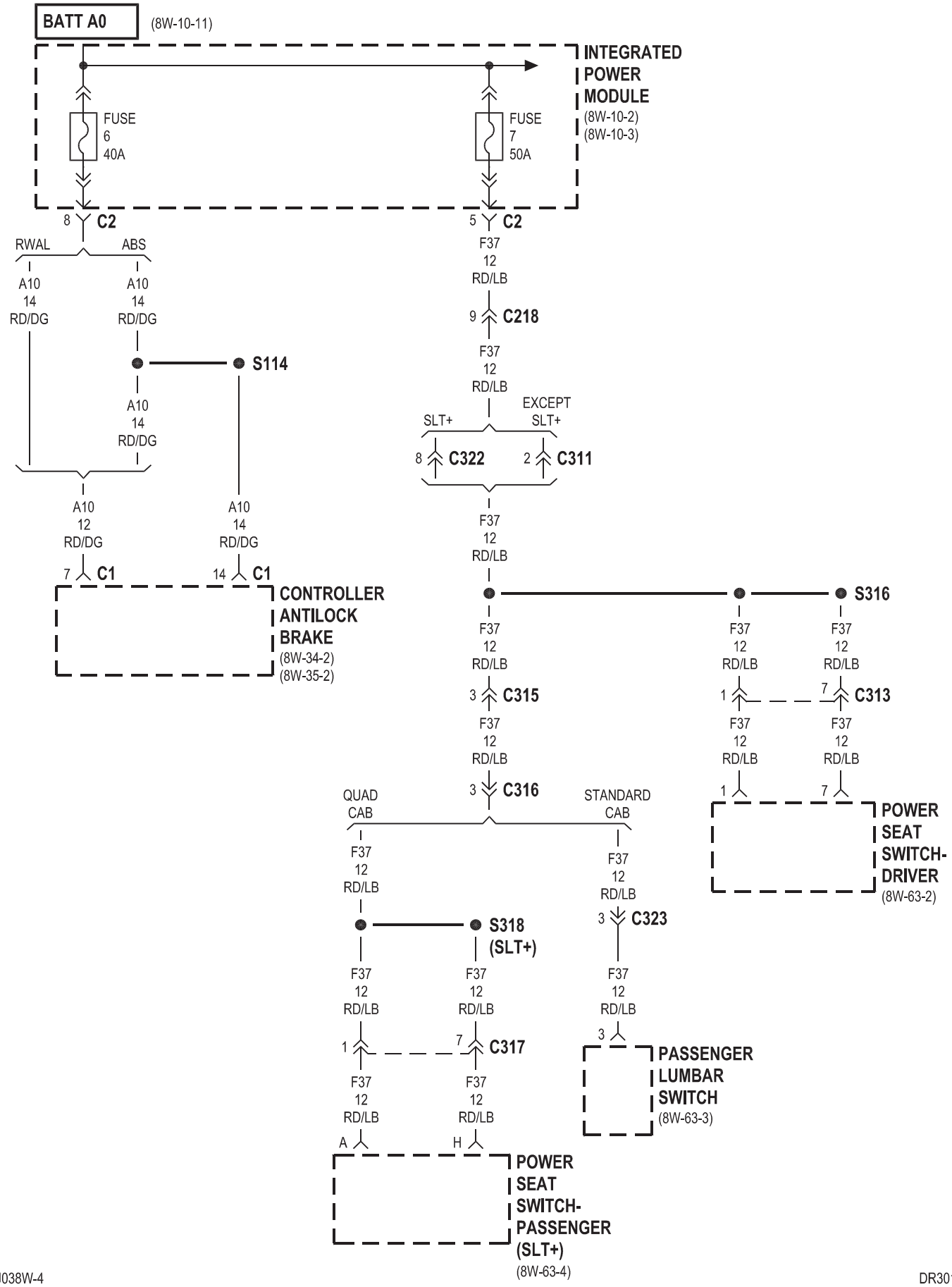

FROM
C130
(8W-10-18)
G
A42
18
DG
S139
A42
18
DG
S182
A42
18
DG
A42
18
DG
FROM
C130
(8W-10-18)
F
1
OXYGEN
SENSOR
1/2
DOWNSTREAM
(8.0L)
(8W-30-16)
1
OXYGEN
SENSOR
2/2
DOWNSTREAM
(8.0L)
(8W-30-16)
A141
18
DG/WT
S138
8.0L
EXCEPT
8.0L
A141
18
DG/WT
A141
18
DG/WT
A141
18
DG/WT
1
OXYGEN
SENSOR
1/1
UPSTREAM
(8W-30-13)
(8W-30-14)
(8W-30-15)
1
OXYGEN
SENSOR
2/1
UPSTREAM
(8W-30-15)
1
OXYGEN
SENSOR
1/2
DOWNSTREAM
(8W-30-13)
(8W-30-14)

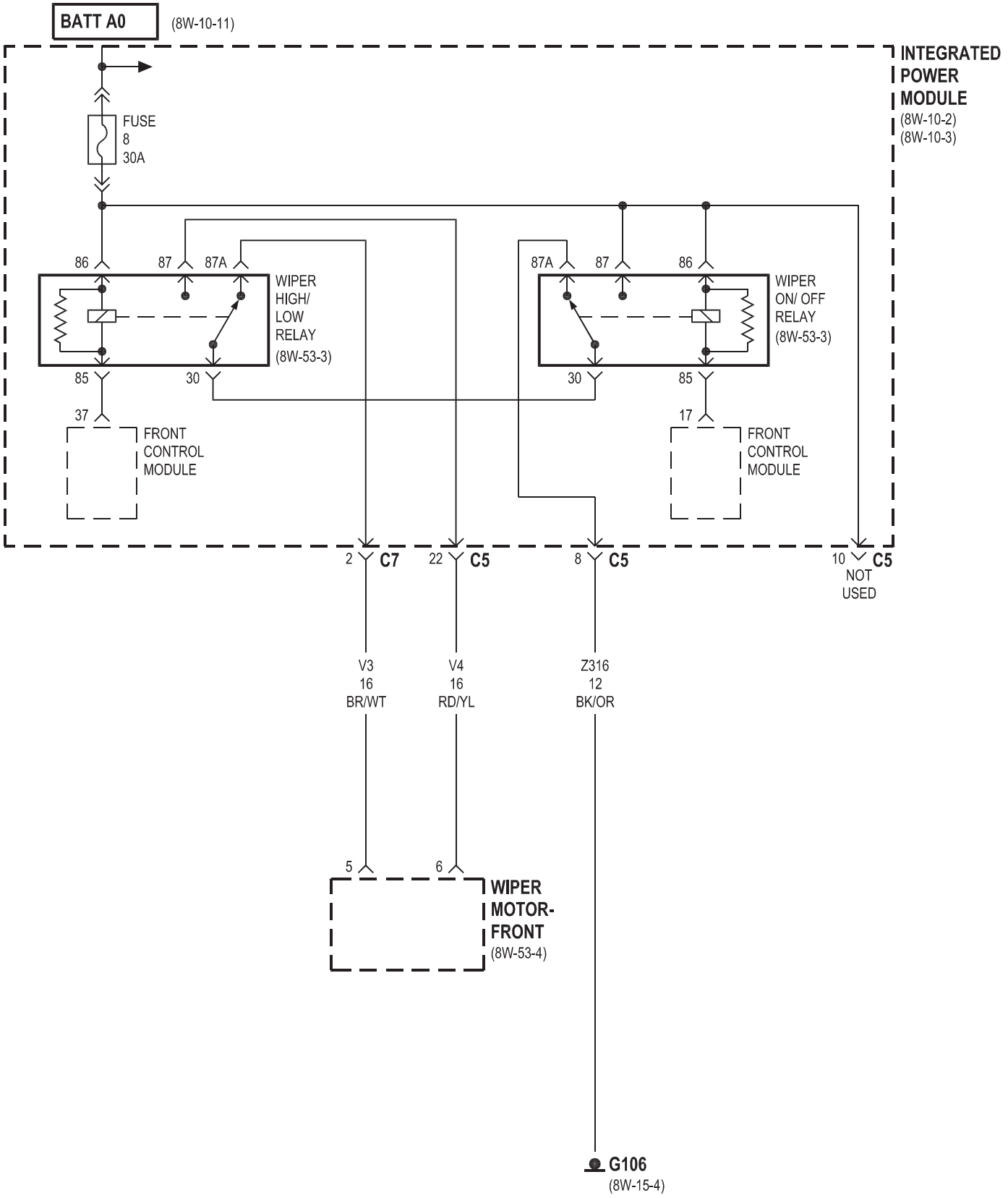

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 4 40A
FUSE 9 40A
FUSE 10 40A
FUSE 3 30A
FUSE 20 25A
6 C2
1 C2
8 C1
10 C2
14 C2
A2 10 PK/BK
A30 10 RD/WT
Y131 14 RD/WT
A22 16 BK/OR
A1 16 RD
10
11
60
23
41 C219
INSTRUMENT CLUSTER
(8W-40-5)
24 C1
G26 20 LB
1
12
11
7
4
5
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
KEY-IN SWITCH
8
10
9
14
3
13
2
6
C1 10 DG
F1 10 DB
A31 14 BK/WT
A38 16 OR
A21 16 DB
A41 16 YL
A51 16 RD/WT
Z42 20 BK/DG
RUN C1
(8W-42-2)
RUN-ACC A31
(8W-10-50)
START A41
(8W-10-39)
RUN-ACC F1
(8W-60-2)
RUN A21
(8W-10-45)
G201
(8W-15-12)
RUN A38
(8W-10-48)
OFF-RUN-START A51
(8W-30-46)

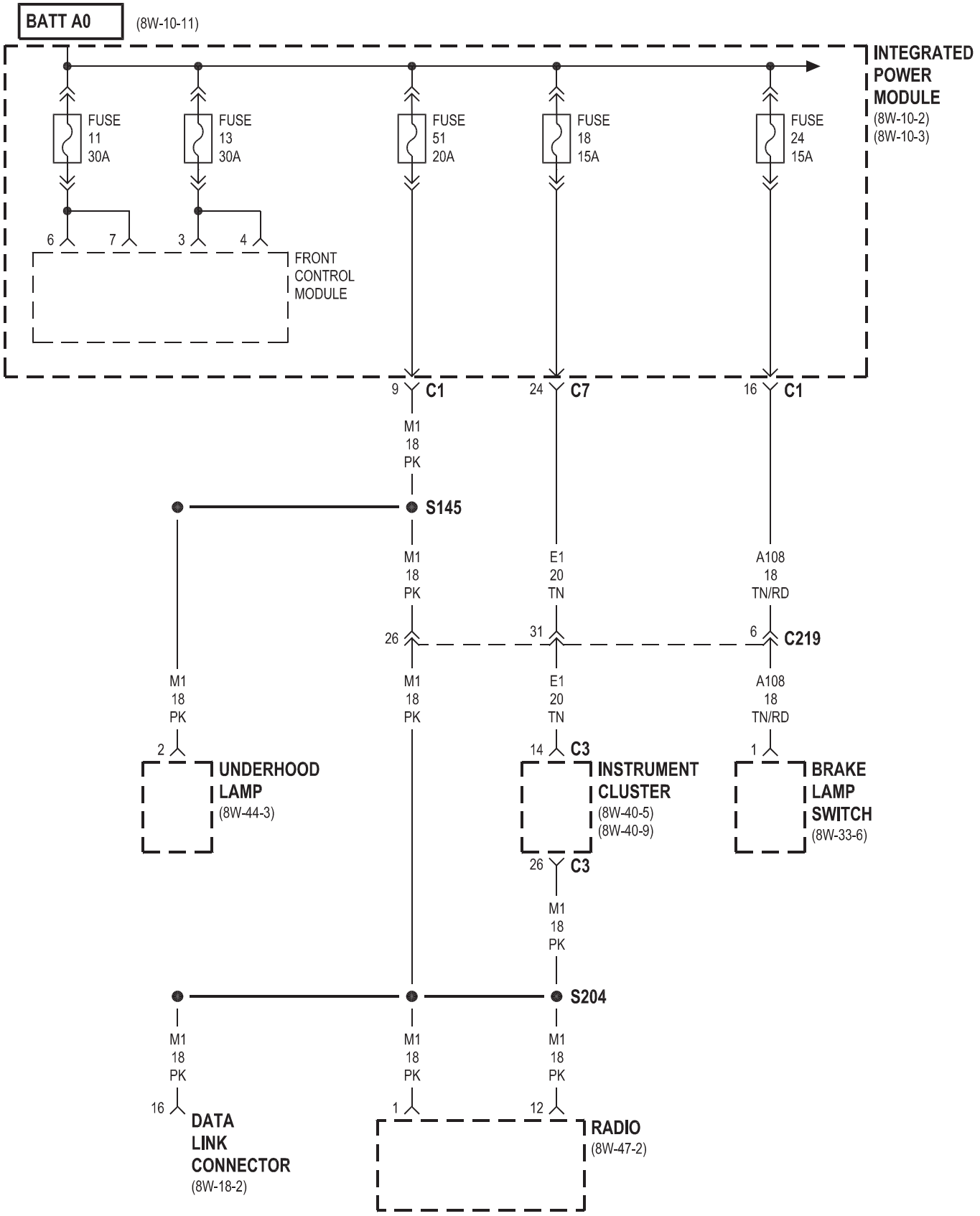

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 5 40A
87A
87
86
TRANSMISSION CONTROL RELAY
(8W-31-2)
30
85
4 C2
16 C5
14 C6
2 C5
GAS
DIESEL
A61 16 DG/BK
K30 18 PK
T16 14 RD
K173 18 LG
K73 18 LG
N1
J6
N2
K6 C130
A61 16 DG/BK
K30 18 PK
5
TO INTEGRATED POWER MODULE
(8W-10-45)
56
15
TRANSMISSION CONTROL MODULE
(8W-31-2)
16
17
36
T16 16 RD
T16 16 RD
T16 16 RD
T16 16 RD
Z16 18 BK
S125
EXCEPT 5.7L
5.7L
T16 16 RD
Z16 18 BK
Z16 18 LG
10
TRANSMISSION SOLENOID/ TRS ASSEMBLY
(8W-31-3)
(8W-31-4)
G107
(8W-15-8)
□ EXCEPT DIESEL/8.0L
• EXCEPT NGC

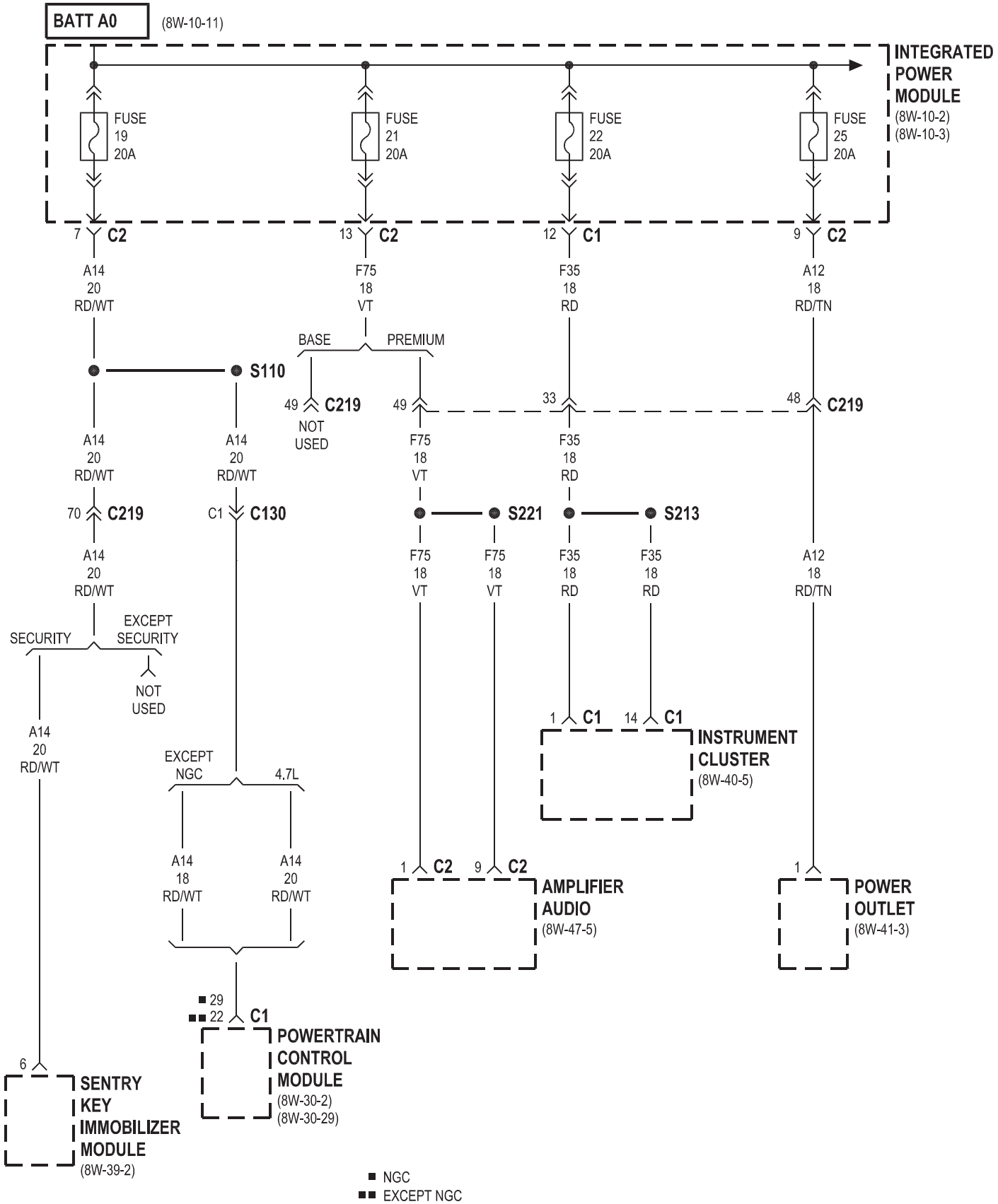

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 5 40A
87A
87
86
TRANSMISSION CONTROL RELAY
(8W-31-13)
30
85
4 C2
16 C5
2 C5
14 C6
A61 16 DG/BK
K30 18 PK
K173 18 LG
T16 16 RD
N1
NOT USED
J6
K6
N2 C130
K30 18 PK
K125 18 WT/DB
T16 16 RD
30 C2
POWERTRAIN CONTROL MODULE
(8W-30-24)
(8W-30-26)
1
TRANSMISSION SOLENOID ASSEMBLY
(8W-31-13)
25 C3
K125 18 WT/DB
S111
(8W-20-2)
K125 18 WT/DB
K125 18 WT/DB
2
LEAK DETECTION PUMP
(8W-30-24)
1
GENERATOR
(8W-20-2)

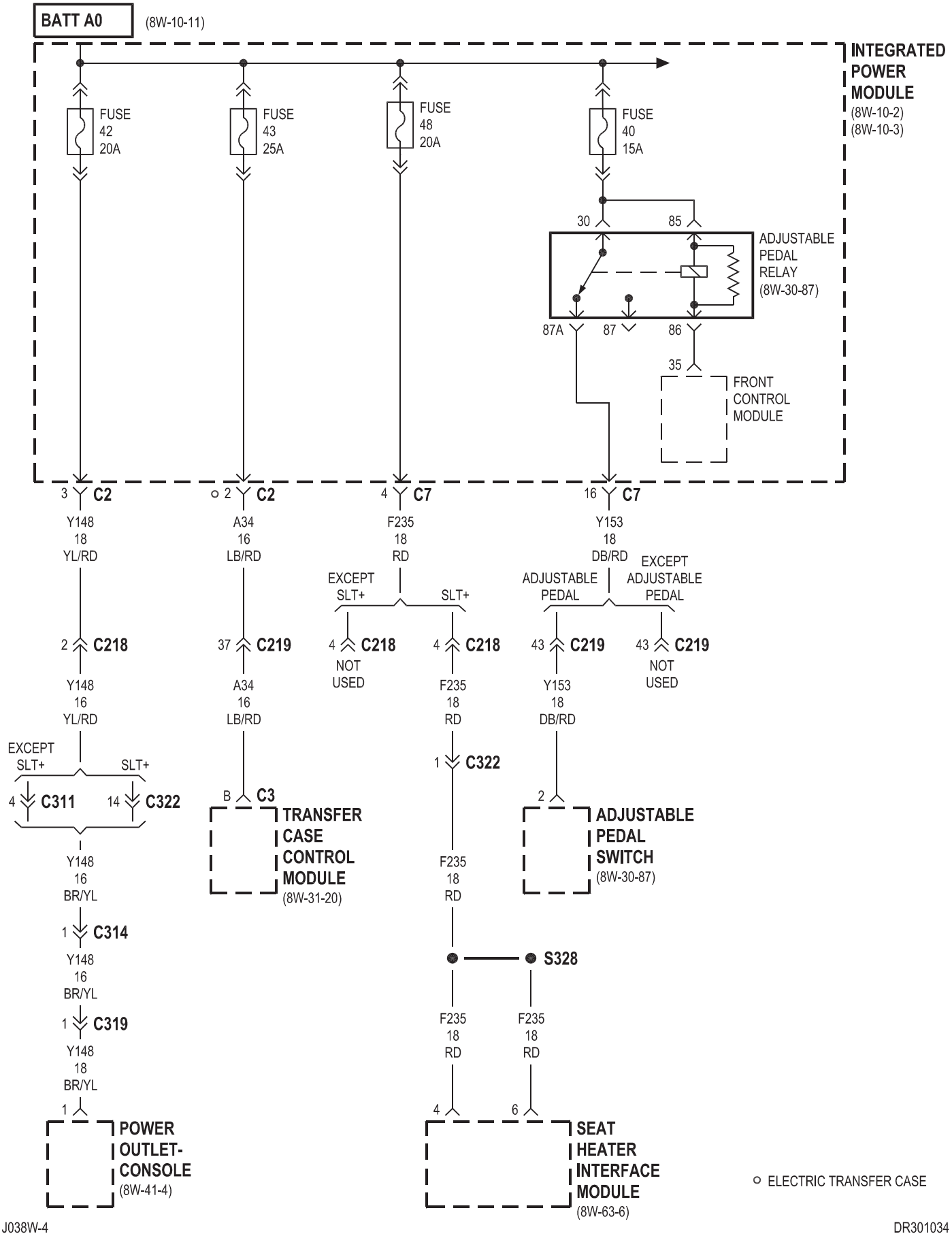

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 5 40A
87
86
TRANSMISSION CONTROL RELAY
(8W-31-10)
87A
87
85
14 C6
16 C5
2 C5
T16 16 RD
K30 18 PK
K173 18 LG
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION SOLENOID/ TRS ASSEMBLY
(8W-31-12)
10
N2
J6
K6 C130
T16 16 RD
T16 16 RD
K30 18 PK
Z16 18 BK
S125
T16 16 RD
T16 16 RD
T16 16 RD
G107
(8W-15-8)
19 C4
28 C4
38 C4
18 C4
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY CONTROL
POWERTRAIN CONTROL MODULE
(8W-30-32)
(8W-30-51)
(8W-30-52)

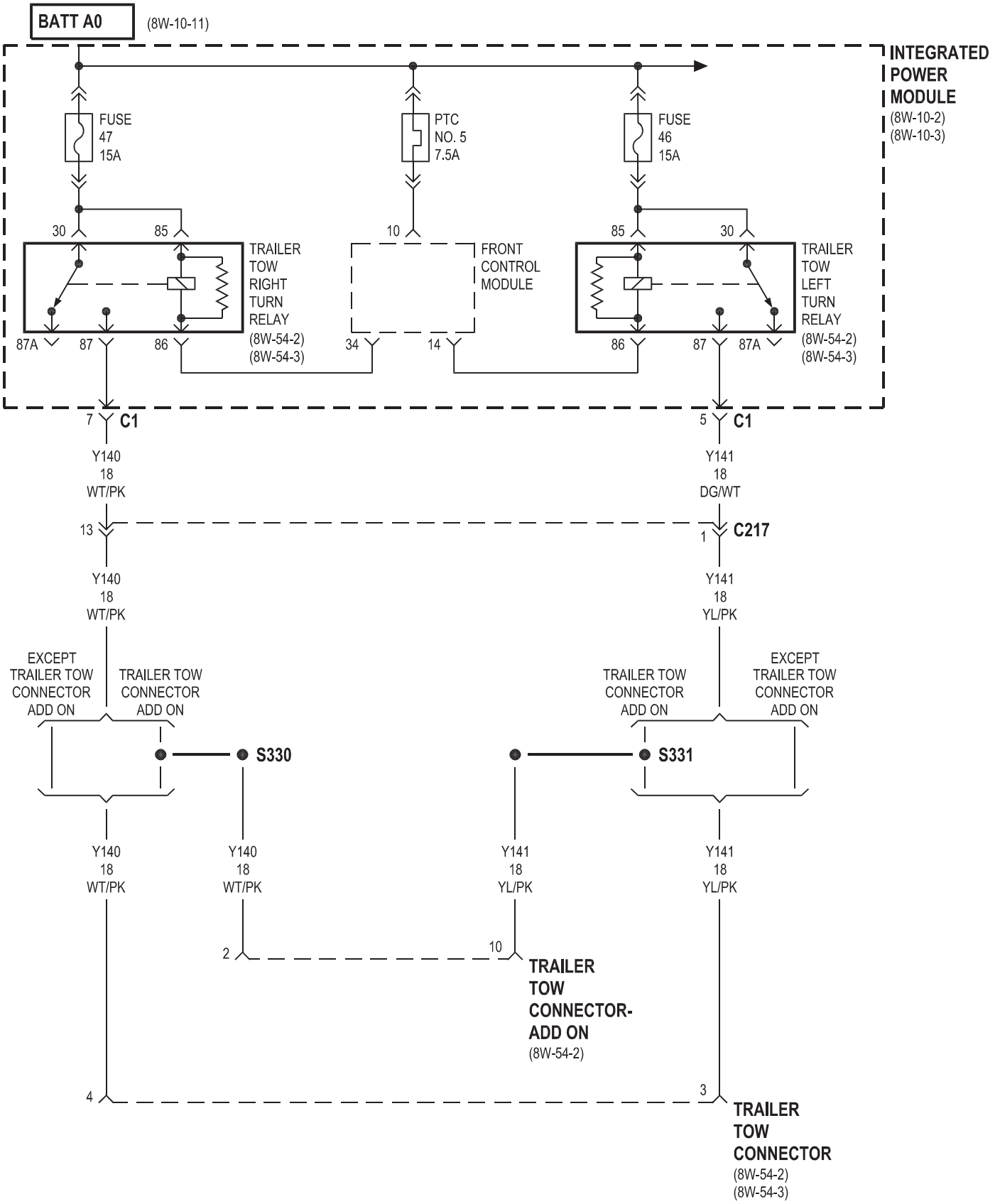

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 6 40A
FUSE 7 50A
8 C2
5 C2
RWAL
ABS
A10 14 RD/DG
F37 12 RD/LB
9 C218
S114
SLT+
EXCEPT SLT+
8 C322
2 C311
A10 12 RD/DG
A10 14 RD/DG
7 C1
14 C1
CONTROLLER ANTILOCK BRAKE
(8W-34-2)
(8W-35-2)
S316
3 C315
1 C313
7
3 C316
QUAD CAB
STANDARD CAB
POWER SEAT SWITCH-DRIVER
(8W-63-2)
S318 (SLT+)
3 C323
1 C317
A
H
PASSENGER LUMBAR SWITCH
(8W-63-3)
POWER SEAT SWITCH-PASSENGER (SLT+)
(8W-63-4)

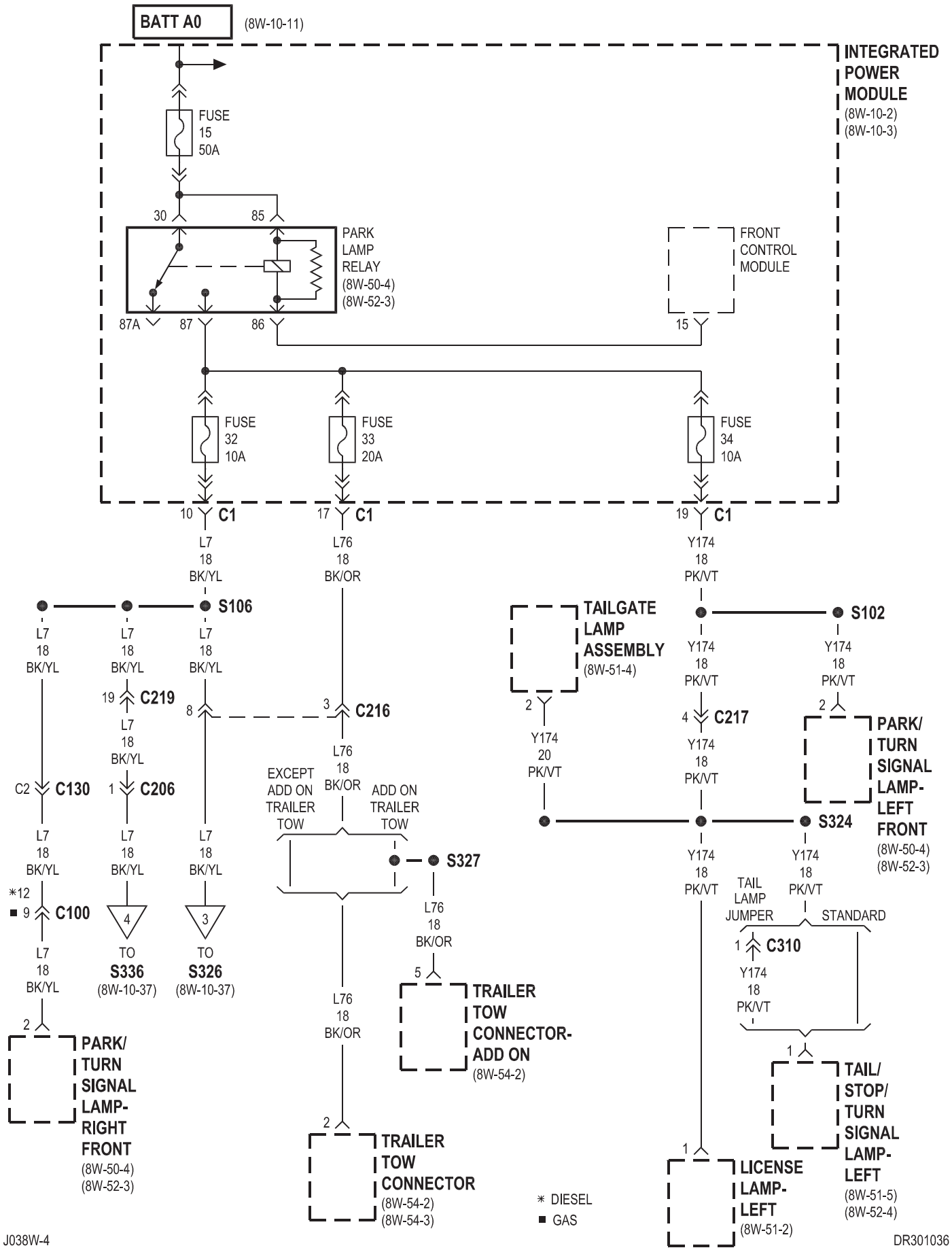

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 8 30A
86
87
87A
WIPER HIGH/ LOW RELAY
(8W-53-3)
85
30
37
FRONT CONTROL MODULE
87A
87
86
WIPER ON/ OFF RELAY
(8W-53-3)
30
85
17
FRONT CONTROL MODULE
2 C7
22 C5
8 C5
10 C5
NOT USED
V3 16 BR/WT
V4 16 RD/YL
Z316 12 BK/OR
5
6
WIPER MOTOR- FRONT
(8W-53-4)
G106
(8W-15-4)

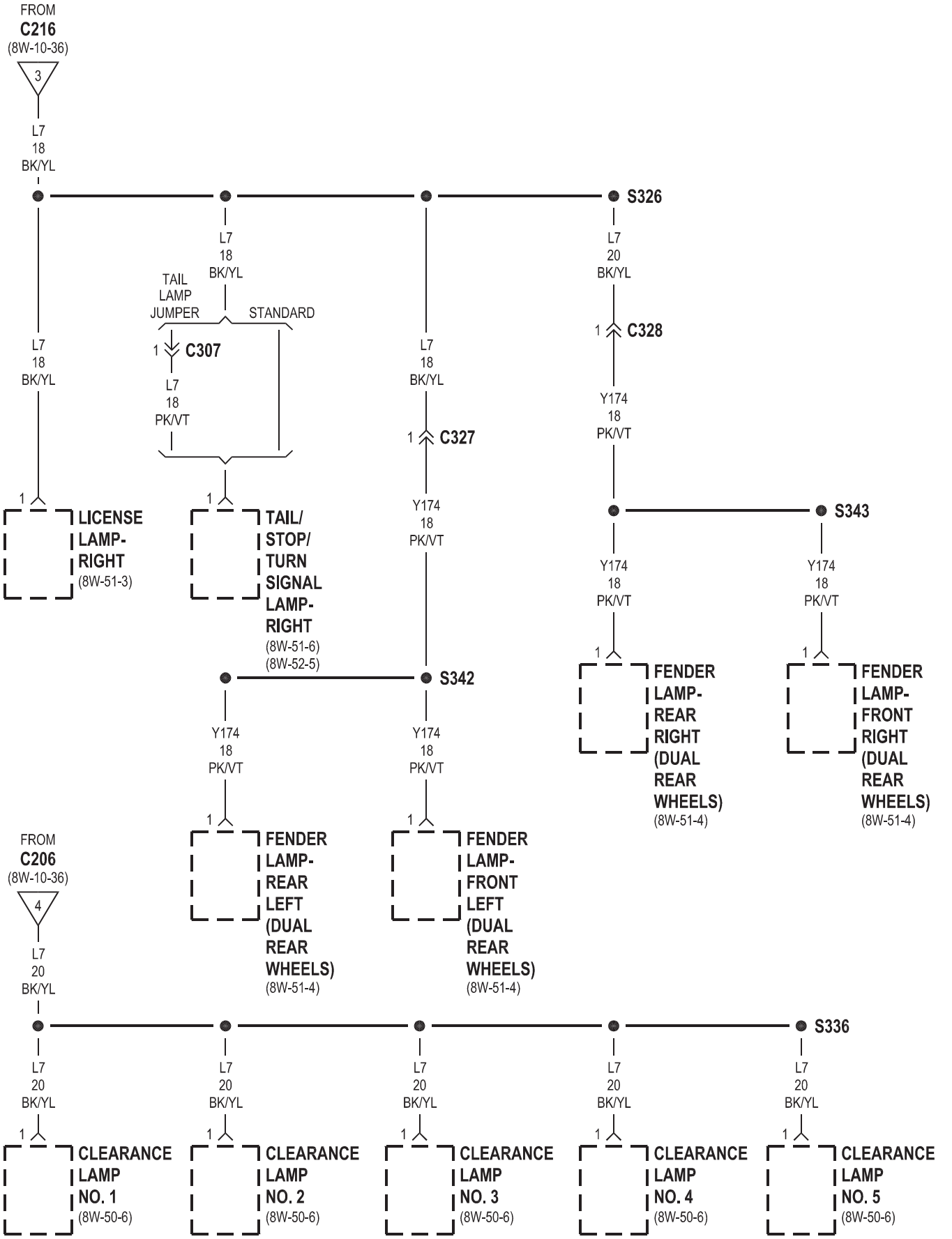

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 11 30A
FUSE 13 30A
FUSE 51 20A
FUSE 18 15A
FUSE 24 15A
6
7
3
4
FRONT CONTROL MODULE
9 C1
24 C7
16 C1
M1 18 PK
S145
M1 18 PK
E1 20 TN
A108 18 TN/RD
26
31
6 C219
M1 18 PK
M1 18 PK
E1 20 TN
A108 18 TN/RD
2
UNDERHOOD LAMP
(8W-44-3)
14 C3
INSTRUMENT CLUSTER
(8W-40-5)
(8W-40-9)
1
BRAKE LAMP SWITCH
(8W-33-6)
26 C3
M1 18 PK
S204
M1 18 PK
M1 18 PK
M1 18 PK
16
DATA LINK CONNECTOR
(8W-18-2)
1
12
RADIO
(8W-47-2)

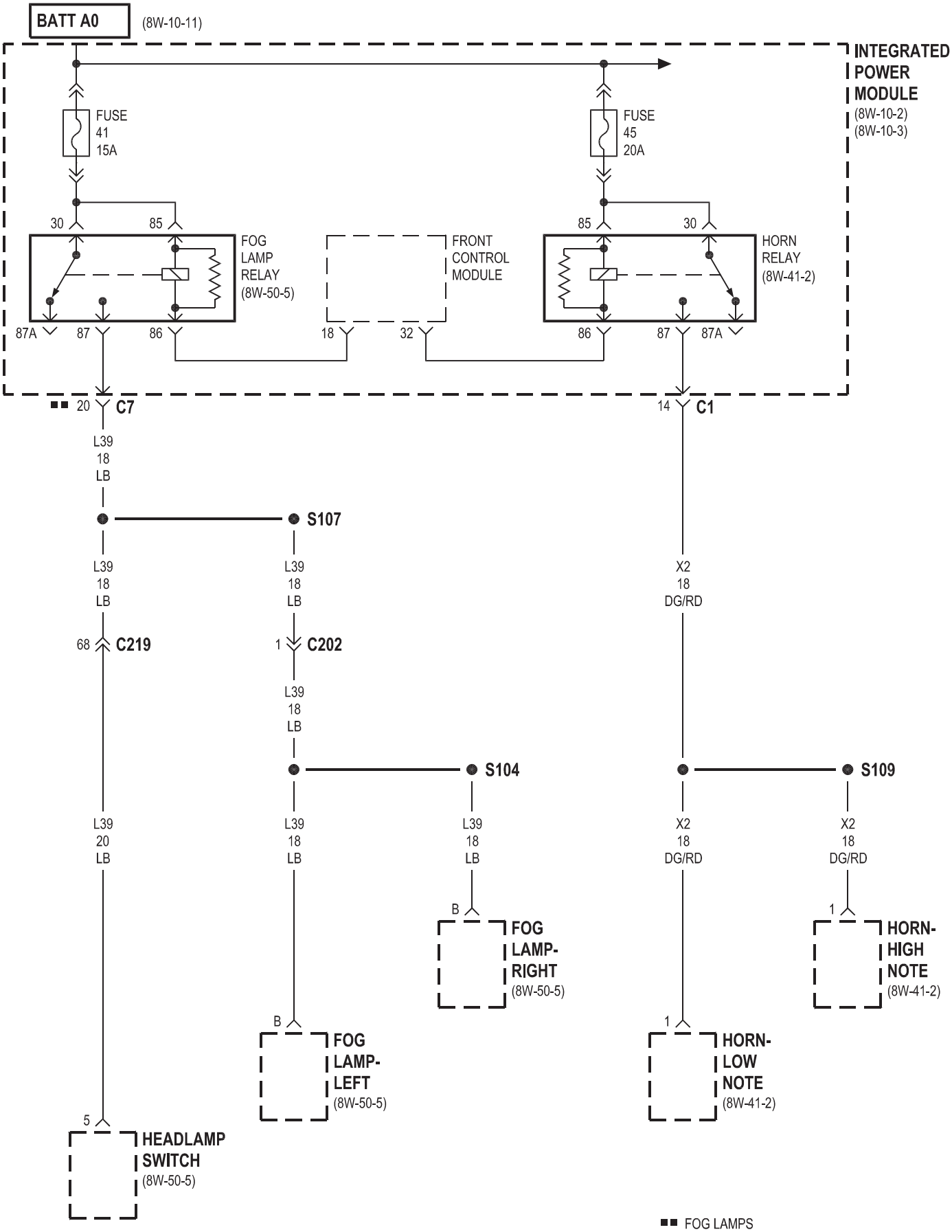

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 19 20A
FUSE 21 20A
FUSE 22 20A
FUSE 25 20A
7 C2
13 C2
12 C1
9 C2
A14 20 RD/WT
F75 18 VT
F35 18 RD
A12 18 RD/TN
BASE
PREMIUM
S110
49 C219
NOT USED
49
33
48 C219
A14 20 RD/WT
A14 20 RD/WT
F75 18 VT
F35 18 RD
70 C219
C1 C130
S221
S213
A14 20 RD/WT
F75 18 VT
F75 18 VT
F35 18 RD
F35 18 RD
A12 18 RD/TN
SECURITY
EXCEPT SECURITY
NOT USED
1 C1
14 C1
INSTRUMENT CLUSTER
(8W-40-5)
A14 20 RD/WT
EXCEPT NGC
4.7L
A14 18 RD/WT
A14 20 RD/WT
1 C2
9 C2
AMPLIFIER AUDIO
(8W-47-5)
1
POWER OUTLET
(8W-41-3)
29
22 C1
6
POWERTRAIN CONTROL MODULE
(8W-30-2)
(8W-30-29)
SENTRY KEY IMMOBILIZER MODULE
(8W-39-2)
NGC
EXCEPT NGC

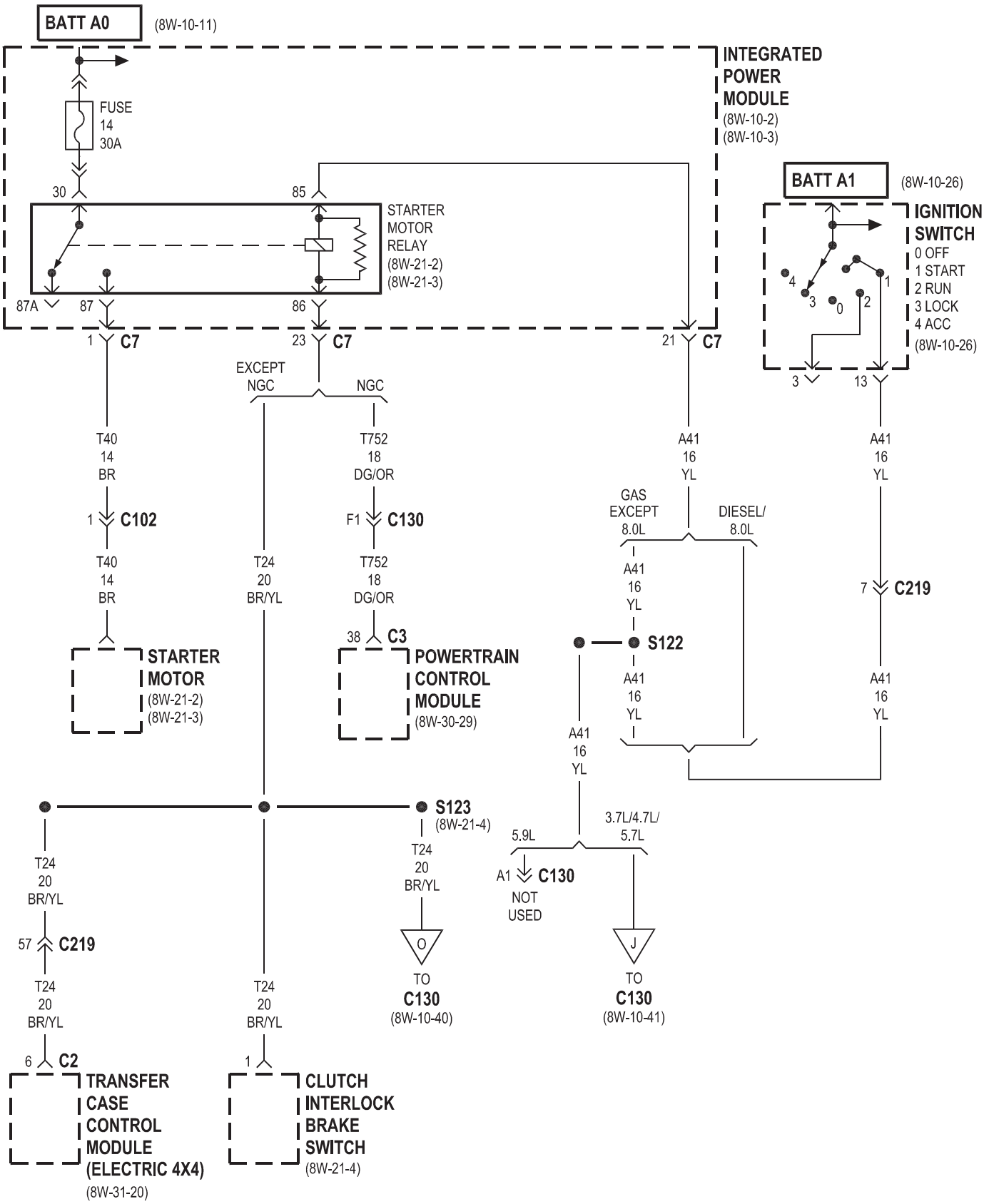

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 42 20A
FUSE 43 25A
FUSE 48 20A
FUSE 40 15A
30
85
ADJUSTABLE PEDAL RELAY
(8W-30-87)
87A
87
86
35
FRONT CONTROL MODULE
3 C2
Y148 18 YL/RD
2 C218
Y148 16 YL/RD
EXCEPT SLT+
SLT+
4 C311
14 C322
Y148 16 BR/YL
1 C314
Y148 16 BR/YL
1 C319
Y148 18 BR/YL
1
POWER OUTLET-CONSOLE
(8W-41-4)
o 2 C2
A34 16 LB/RD
37 C219
A34 16 LB/RD
B C3
TRANSFER CASE CONTROL MODULE
(8W-31-20)
4 C7
F235 18 RD
EXCEPT SLT+
SLT+
4 C218
NOT USED
4 C218
F235 18 RD
1 C322
F235 18 RD
F235 18 RD
F235 18 RD
4
6
SEAT HEATER INTERFACE MODULE
(8W-63-6)
16 C7
Y153 18 DB/RD
ADJUSTABLE PEDAL
EXCEPT ADJUSTABLE PEDAL
43 C219
Y153 18 DB/RD
43 C219
NOT USED
2
ADJUSTABLE PEDAL SWITCH
(8W-30-87)
S328
o ELECTRIC TRANSFER CASE

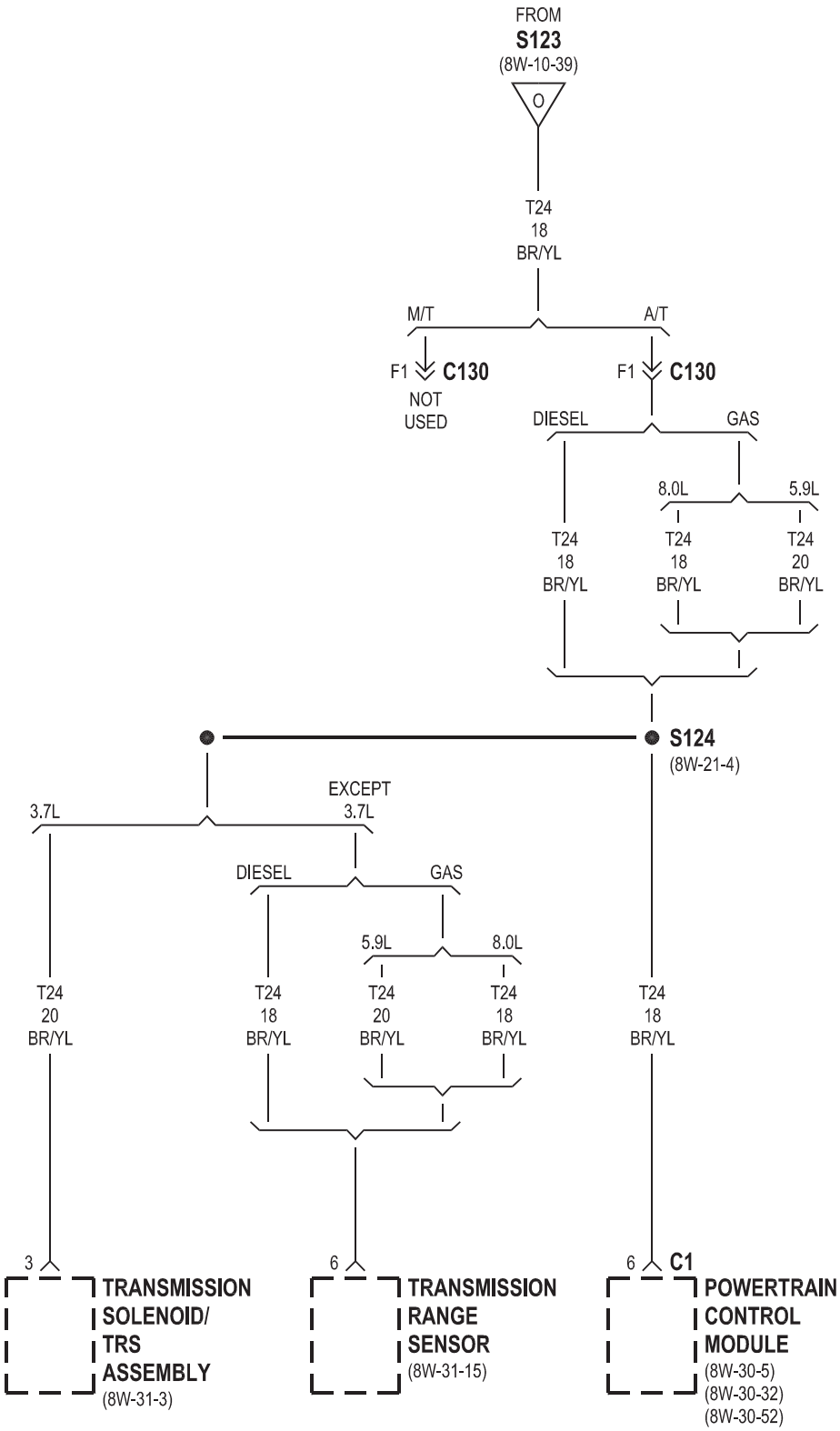

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 47 15A
PTC NO. 5 7.5A
FUSE 46 15A
30
85
10
85
30
TRAILER TOW RIGHT TURN RELAY
(8W-54-2)
(8W-54-3)
FRONT CONTROL MODULE
TRAILER TOW LEFT TURN RELAY
(8W-54-2)
(8W-54-3)
87A
87
86
34
14
86
87
87A
7 C1
5 C1
Y140 18 WT/PK
Y141 18 DG/WT
13
1 C217
Y140 18 WT/PK
Y141 18 YL/PK
EXCEPT TRAILER TOW CONNECTOR ADD ON
TRAILER TOW CONNECTOR ADD ON
TRAILER TOW CONNECTOR ADD ON
EXCEPT TRAILER TOW CONNECTOR ADD ON
S330
S331
Y140 18 WT/PK
Y140 18 WT/PK
Y141 18 YL/PK
Y141 18 YL/PK
2
10
TRAILER TOW CONNECTOR- ADD ON
(8W-54-2)
4
3
TRAILER TOW CONNECTOR
(8W-54-2)
(8W-54-3)

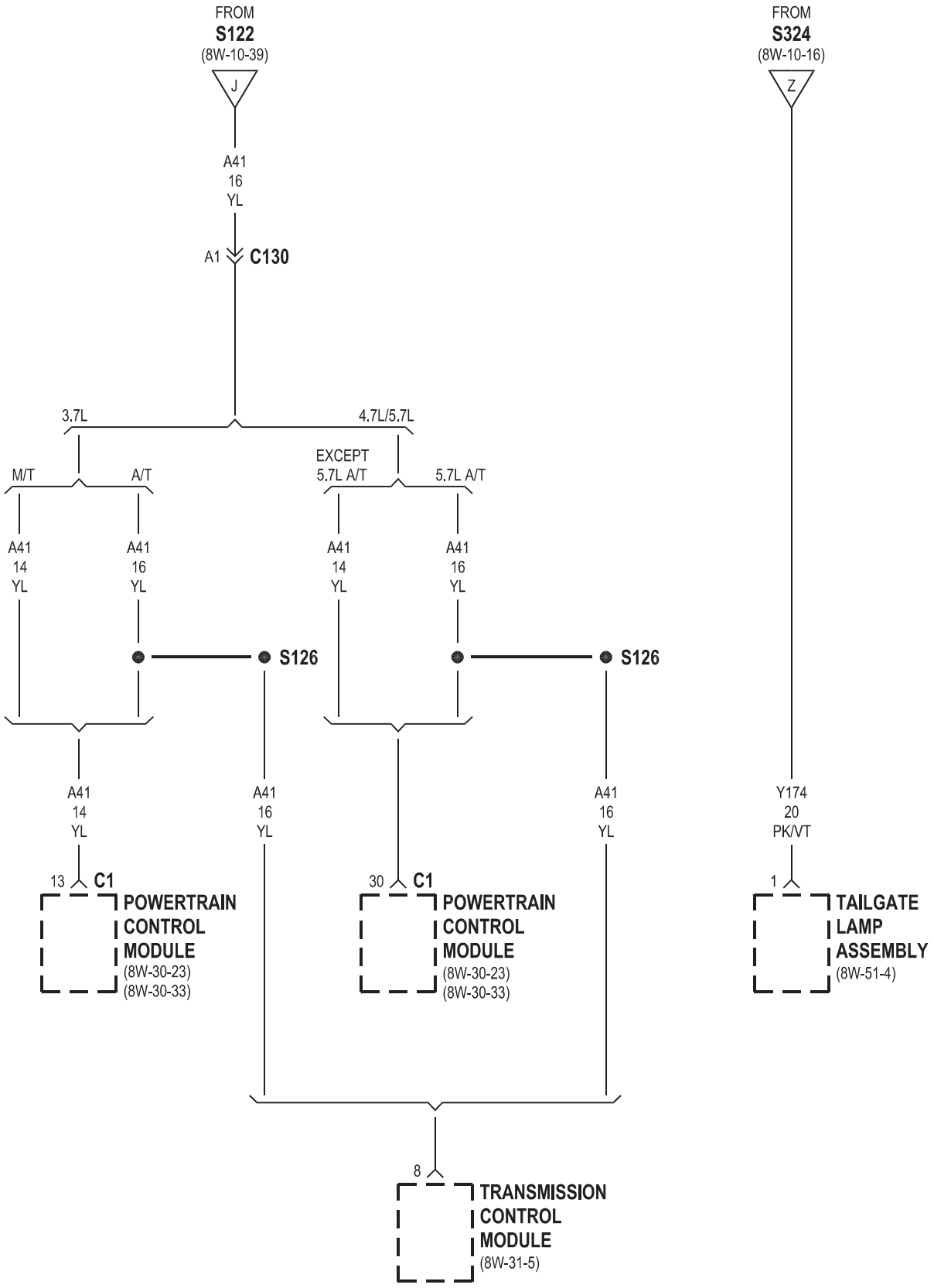

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 15 50A
30
85
87A
87
86
PARK LAMP RELAY
(8W-50-4)
(8W-52-3)
FRONT CONTROL MODULE
15
FUSE 32 10A
FUSE 33 20A
FUSE 34 10A
10 C1
17 C1
19 C1
L7 18 BK/YL
L76 18 BK/OR
Y174 18 PK/VT
S106
S102
TAILGATE LAMP ASSEMBLY
(8W-51-4)
Y174 20 PK/VT
C219
C216
C217
C130
C206
C100
S324
S327
EXCEPT ADD ON TRAILER TOW
ADD ON TRAILER TOW
TAIL LAMP JUMPER
STANDARD
C310
TO S336 (8W-10-37)
TO S326 (8W-10-37)
PARK/ TURN SIGNAL LAMP- RIGHT FRONT
(8W-50-4)
(8W-52-3)
PARK/ TURN SIGNAL LAMP- LEFT FRONT
(8W-50-4)
(8W-52-3)
TRAILER TOW CONNECTOR- ADD ON
(8W-54-2)
TRAILER TOW CONNECTOR
(8W-54-2)
(8W-54-3)
TAIL/ STOP/ TURN SIGNAL LAMP- LEFT
(8W-51-5)
(8W-52-4)
LICENSE LAMP- LEFT
(8W-51-2)
* DIESEL
■ GAS

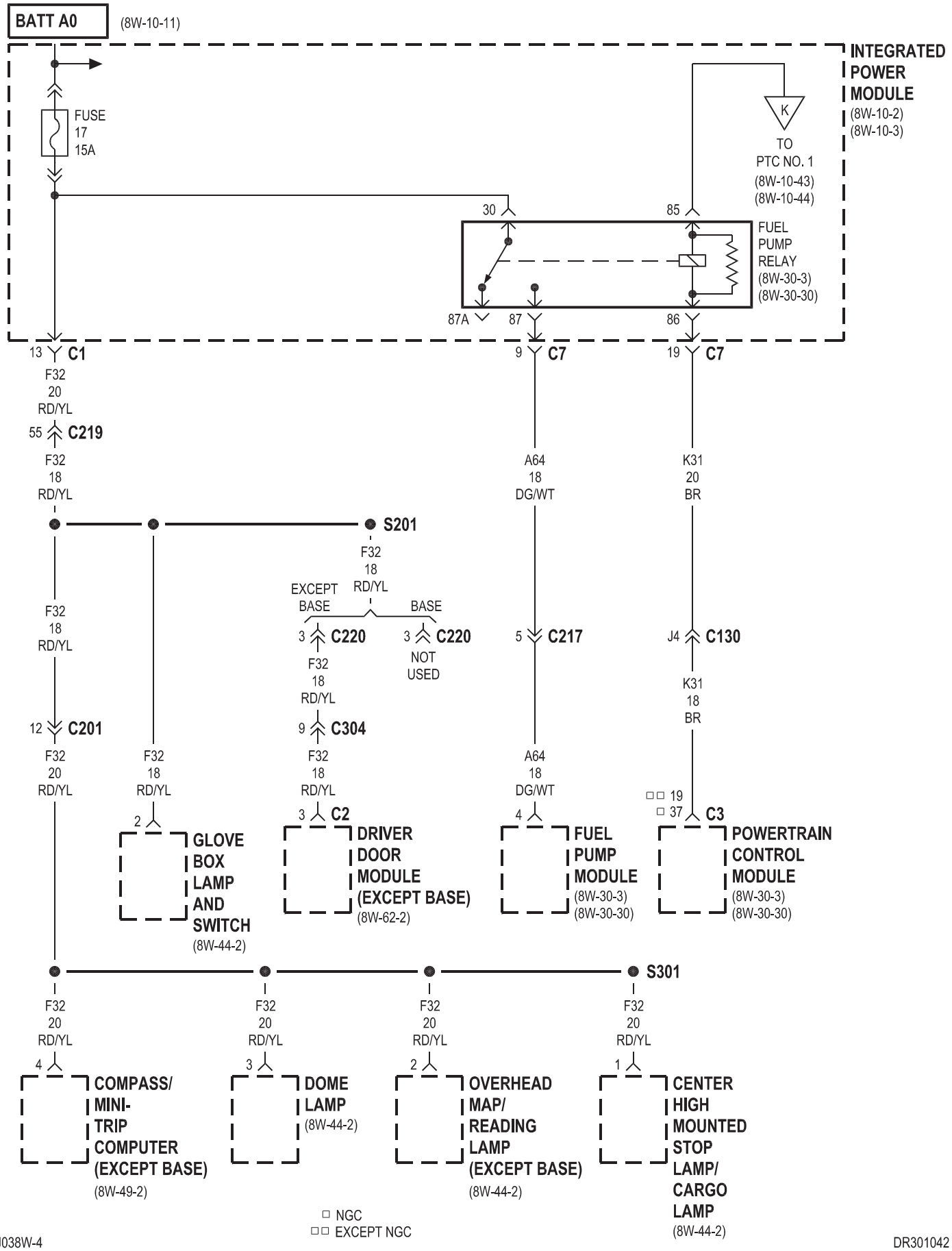

FROM
C216
(8W-10-36)
3
L7
18
BK/YL
S326
L7
20
BK/YL
1
C328
Y174
18
PK/VT
S343
Y174
18
PK/VT
1
FENDER
LAMP-
REAR
RIGHT
(DUAL
REAR
WHEELS)
(8W-51-4)
Y174
18
PK/VT
1
FENDER
LAMP-
FRONT
RIGHT
(DUAL
REAR
WHEELS)
(8W-51-4)
L7
18
BK/YL
TAIL
LAMP
JUMPER
STANDARD
1
C307
L7
18
PK/VT
L7
18
BK/YL
1
C327
Y174
18
PK/VT
S342
L7
18
BK/YL
1
LICENSE
LAMP-
RIGHT
(8W-51-3)
1
TAIL/
STOP/
TURN
SIGNAL
LAMP-
RIGHT
(8W-51-6)
(8W-52-5)
Y174
18
PK/VT
1
FENDER
LAMP-
REAR
LEFT
(DUAL
REAR
WHEELS)
(8W-51-4)
Y174
18
PK/VT
1
FENDER
LAMP-
FRONT
LEFT
(DUAL
REAR
WHEELS)
(8W-51-4)
FROM
C206
(8W-10-36)
4
L7
20
BK/YL
S336
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 1
(8W-50-6)
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 2
(8W-50-6)
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 3
(8W-50-6)
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 4
(8W-50-6)
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 5
(8W-50-6)

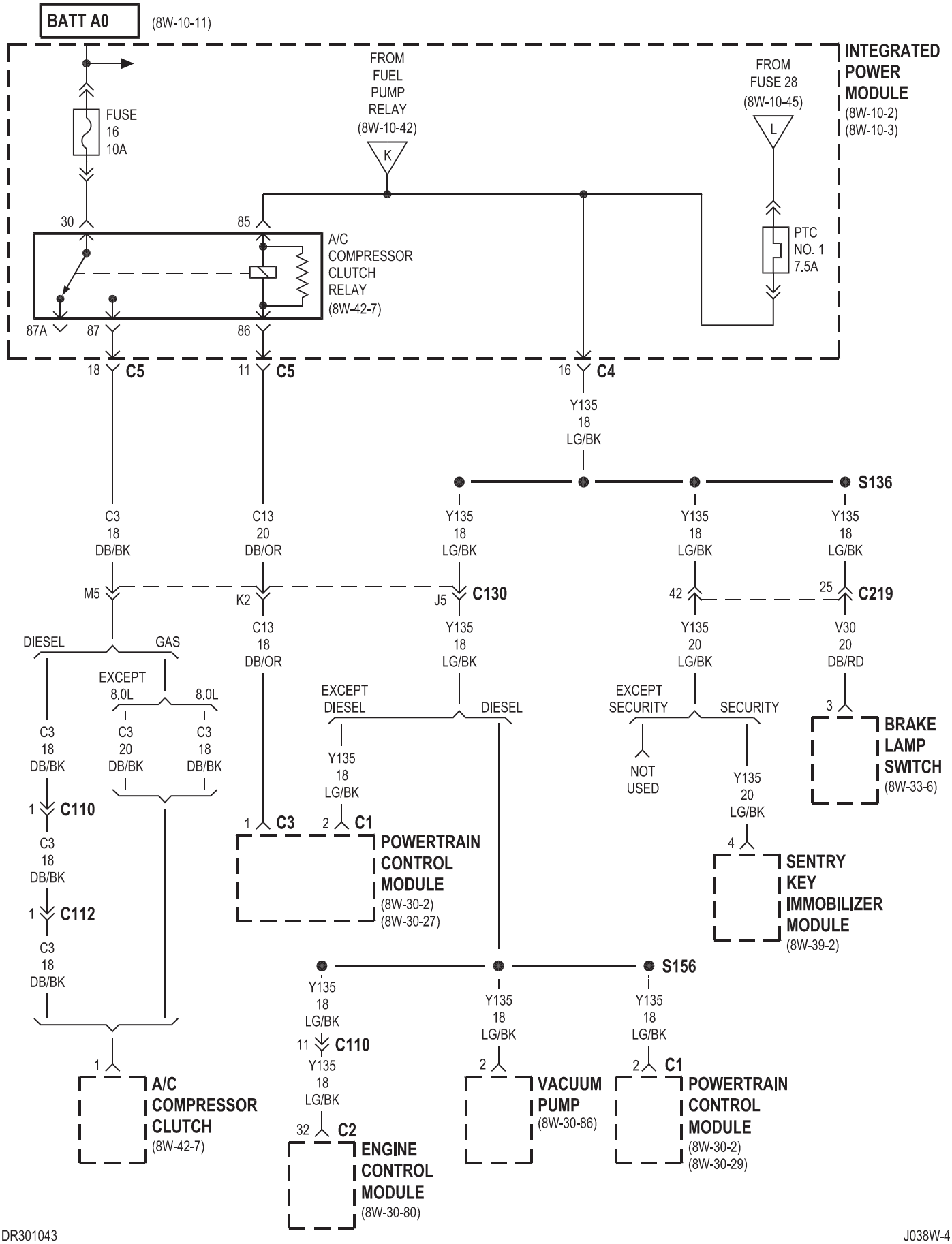

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 41 15A
FUSE 45 20A
30
85
85
30
FOG LAMP RELAY (8W-50-5)
FRONT CONTROL MODULE
HORN RELAY (8W-41-2)
87A
87
86
18
32
86
87
87A
20 C7
14 C1
L39 18 LB
S107
L39 18 LB
X2 18 DG/RD
68 C219
1 C202
L39 18 LB
S104
S109
L39 20 LB
L39 18 LB
L39 18 LB
X2 18 DG/RD
X2 18 DG/RD
B
FOG LAMP- RIGHT (8W-50-5)
1
HORN- HIGH NOTE (8W-41-2)
B
FOG LAMP- LEFT (8W-50-5)
1
HORN- LOW NOTE (8W-41-2)
5
HEADLAMP SWITCH (8W-50-5)
FOG LAMPS

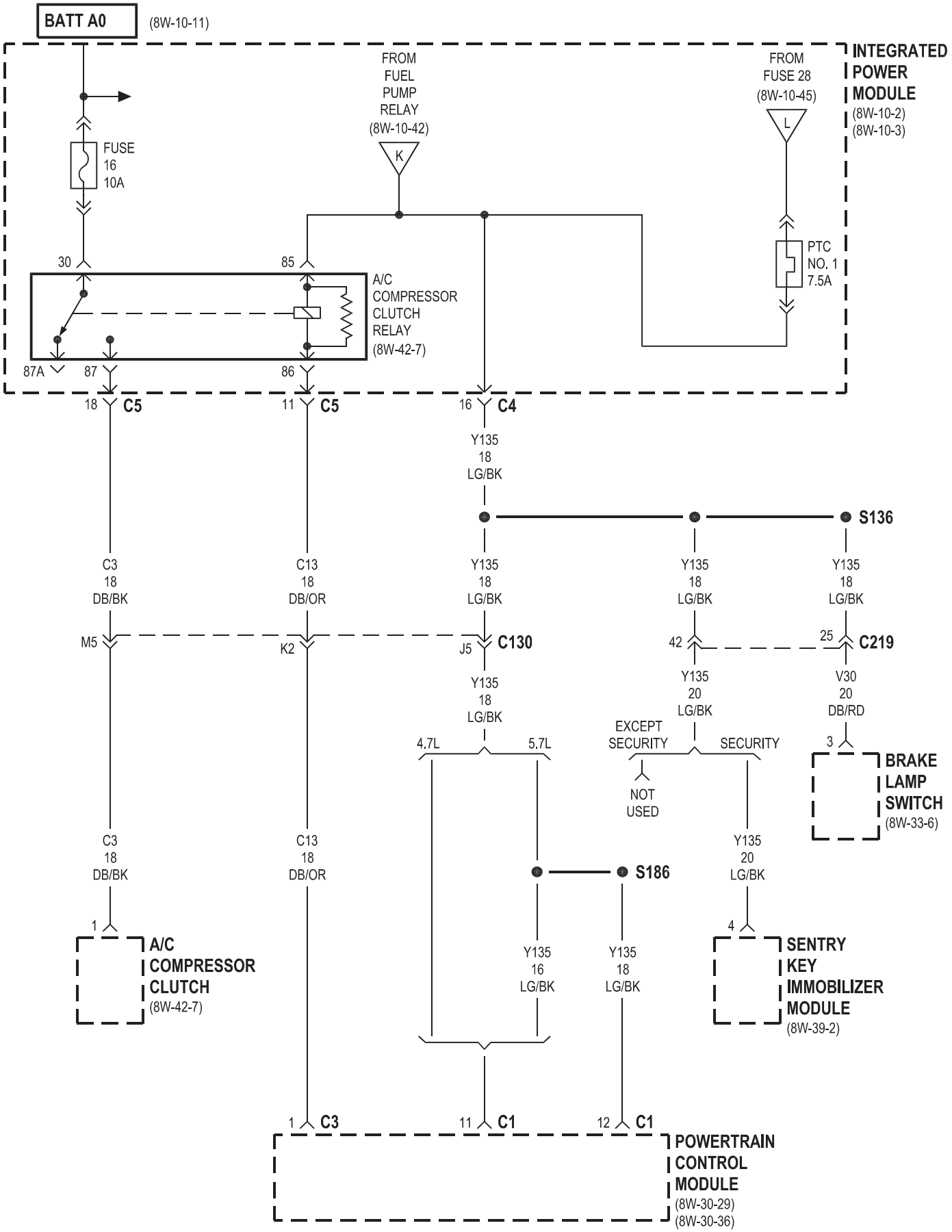

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 14 30A
30
85
STARTER MOTOR RELAY
(8W-21-2)
(8W-21-3)
87A
87
86
1 C7
23 C7
21 C7
BATT A1
(8W-10-26)
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
(8W-10-26)
3
13
EXCEPT NGC
NGC
T40 14 BR
1 C102
T40 14 BR
STARTER MOTOR
(8W-21-2)
(8W-21-3)
T24 20 BR/YL
T752 18 DG/OR
F1 C130
T752 18 DG/OR
38 C3
POWERTRAIN CONTROL MODULE
(8W-30-29)
A41 16 YL
GAS EXCEPT 8.0L
DIESEL/ 8.0L
A41 16 YL
S122
A41 16 YL
A41 16 YL
7 C219
A41 16 YL
A41 16 YL
S123
(8W-21-4)
5.9L
3.7L/4.7L/ 5.7L
A1 C130
NOT USED
T24 20 BR/YL
57 C219
T24 20 BR/YL
6 C2
TRANSFER CASE CONTROL MODULE (ELECTRIC 4X4)
(8W-31-20)
T24 20 BR/YL
1
CLUTCH INTERLOCK BRAKE SWITCH
(8W-21-4)
T24 20 BR/YL
O
TO C130
(8W-10-40)
J
TO C130
(8W-10-41)

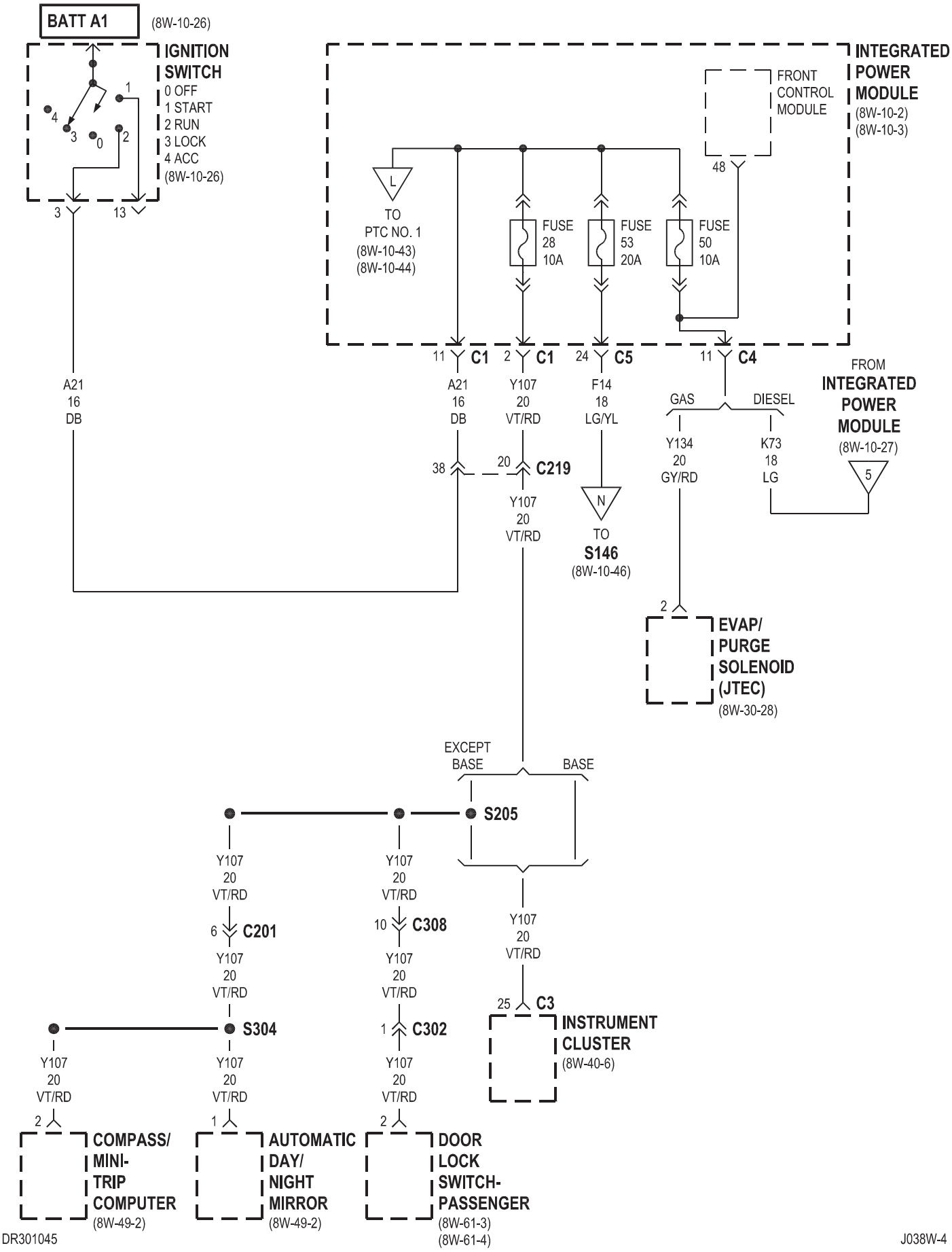

FROM
S123
(8W-10-39)
O
T24
18
BR/YL
M/T
A/T
F1
C130
NOT
USED
F1
C130
DIESEL
GAS
8.0L
5.9L
T24
18
BR/YL
T24
18
BR/YL
T24
20
BR/YL
S124
(8W-21-4)
EXCEPT
3.7L
3.7L
DIESEL
GAS
5.9L
8.0L
T24
20
BR/YL
T24
18
BR/YL
T24
20
BR/YL
T24
18
BR/YL
T24
18
BR/YL
3
6
6
C1
TRANSMISSION
SOLENOID/
TRS
ASSEMBLY
(8W-31-3)
TRANSMISSION
RANGE
SENSOR
(8W-31-15)
POWERTRAIN
CONTROL
MODULE
(8W-30-5)
(8W-30-32)
(8W-30-52)


FROM
S122
(8W-10-39)
J
A41
16
YL
A1
C130
3.7L
4.7L/5.7L
M/T
A/T
EXCEPT
5.7L A/T
5.7L A/T
A41
14
YL
A41
16
YL
A41
14
YL
A41
16
YL
S126
S126
A41
14
YL
A41
16
YL
A41
16
YL
13
C1
POWERTRAIN
CONTROL
MODULE
(8W-30-23)
(8W-30-33)
30
C1
POWERTRAIN
CONTROL
MODULE
(8W-30-23)
(8W-30-33)
8
TRANSMISSION
CONTROL
MODULE
(8W-31-5)
FROM
S324
(8W-10-16)
Z
Y174
20
PK/VT
1
TAILGATE
LAMP
ASSEMBLY
(8W-51-4)


BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 17 15A
K
TO PTC NO. 1
(8W-10-43)
(8W-10-44)
30
85
FUEL PUMP RELAY
(8W-30-3)
(8W-30-30)
87A
87
86
13 C1
F32 20 RD/YL
9 C7
19 C7
55 C219
F32 18 RD/YL
A64 18 DG/WT
K31 20 BR
S201
F32 18 RD/YL
EXCEPT BASE
BASE
3 C220
3 C220
NOT USED
5 C217
J4 C130
K31 18 BR
12 C201
9 C304
F32 20 RD/YL
F32 18 RD/YL
A64 18 DG/WT
□□ 19
□ 37 C3
2
3 C2
4
GLOVE BOX LAMP AND SWITCH
(8W-44-2)
DRIVER DOOR MODULE (EXCEPT BASE)
(8W-62-2)
FUEL PUMP MODULE
(8W-30-3)
(8W-30-30)
POWERTRAIN CONTROL MODULE
(8W-30-3)
(8W-30-30)
S301
4
3
2
1
COMPASS/ MINI-TRIP COMPUTER (EXCEPT BASE)
(8W-49-2)
DOME LAMP
(8W-44-2)
OVERHEAD MAP/ READING LAMP (EXCEPT BASE)
(8W-44-2)
CENTER HIGH MOUNTED STOP LAMP/ CARGO LAMP
(8W-44-2)
□ NGC
□□ EXCEPT NGC

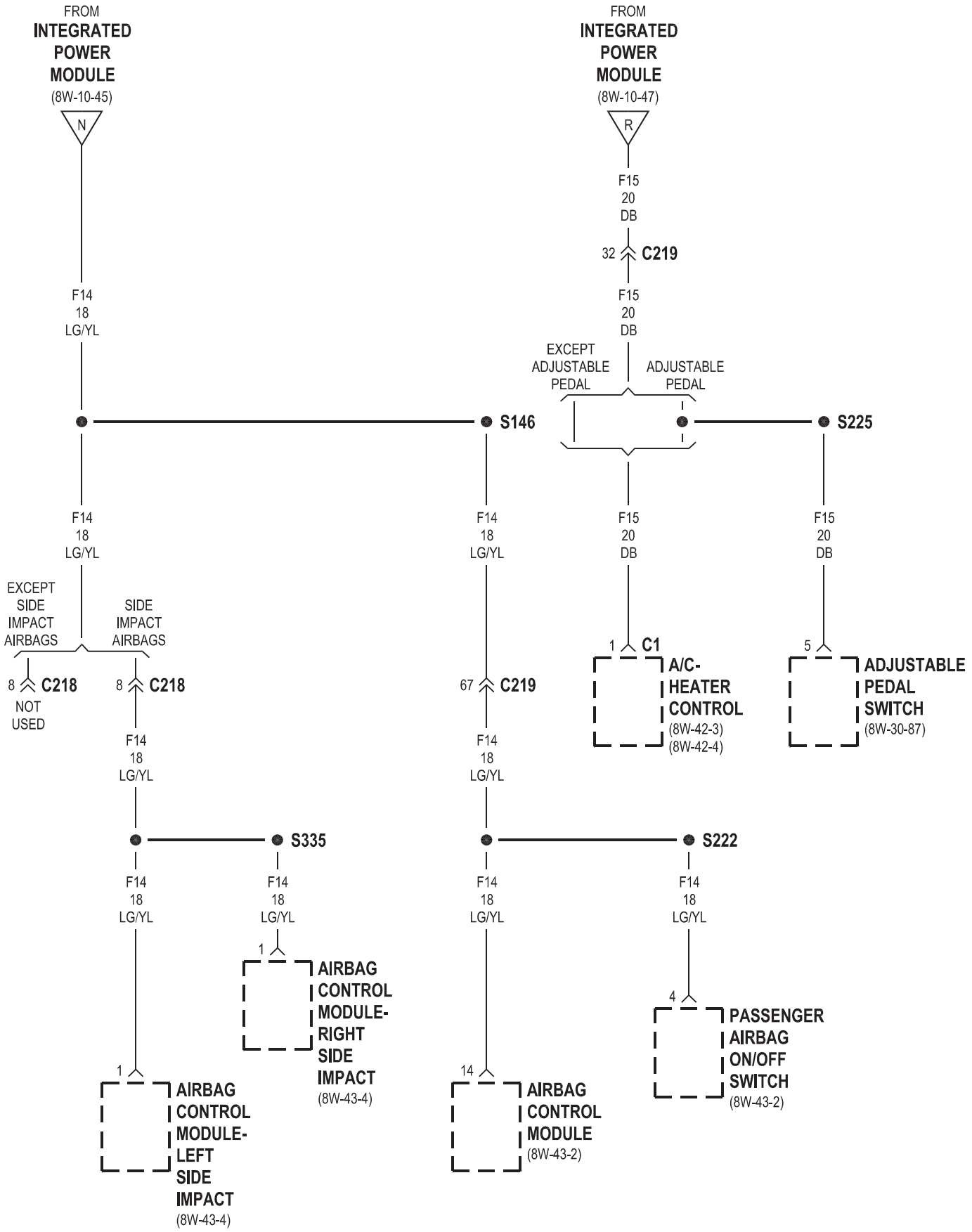

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 16 10A
FROM FUEL PUMP RELAY (8W-10-42)
FROM FUSE 28 (8W-10-45)
PTC NO. 1 7.5A
A/C COMPRESSOR CLUTCH RELAY (8W-42-7)
30
85
87A
87
86
18 C5
11 C5
16 C4
Y135 18 LG/BK
S136
C3 18 DB/BK
C13 20 DB/OR
Y135 18 LG/BK
M5
K2
J5 C130
42
25 C219
Y135 20 LG/BK
V30 20 DB/RD
DIESEL
GAS
EXCEPT 8.0L
8.0L
C3 20 DB/BK
C3 18 DB/BK
1 C110
C3 18 DB/BK
1 C112
C3 18 DB/BK
EXCEPT DIESEL
DIESEL
Y135 18 LG/BK
1 C3
2 C1
POWERTRAIN CONTROL MODULE
(8W-30-2)
(8W-30-27)
EXCEPT SECURITY
SECURITY
NOT USED
3
BRAKE LAMP SWITCH
(8W-33-6)
4
SENTRY KEY IMMOBILIZER MODULE
(8W-39-2)
S156
11 C110
32 C2
ENGINE CONTROL MODULE
(8W-30-80)
2
VACUUM PUMP
(8W-30-86)
A/C COMPRESSOR CLUTCH
(8W-42-7)

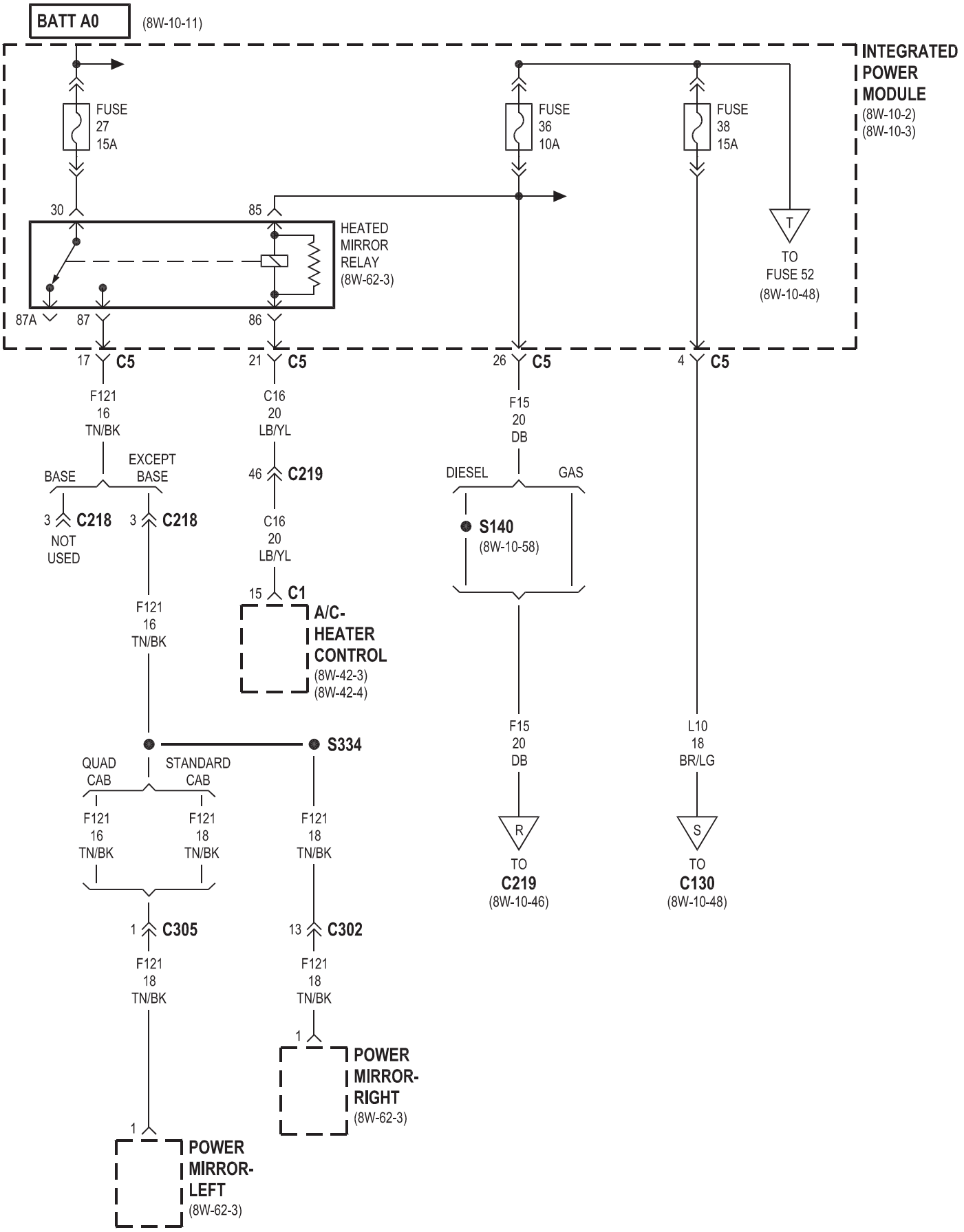

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FROM FUEL PUMP RELAY
(8W-10-42)
K
FROM FUSE 28
(8W-10-45)
L
FUSE 16 10A
PTC NO. 1 7.5A
30
85
A/C COMPRESSOR CLUTCH RELAY
(8W-42-7)
87A
87
86
18 C5
11 C5
16 C4
Y135 18 LG/BK
S136
C3 18 DB/BK
C13 18 DB/OR
Y135 18 LG/BK
Y135 18 LG/BK
Y135 18 LG/BK
M5
K2
J5 C130
42
25 C219
Y135 18 LG/BK
Y135 20 LG/BK
V30 20 DB/RD
4.7L
5.7L
EXCEPT SECURITY
SECURITY
NOT USED
3
BRAKE LAMP SWITCH
(8W-33-6)
C3 18 DB/BK
C13 18 DB/OR
S186
Y135 20 LG/BK
1
4
A/C COMPRESSOR CLUTCH
(8W-42-7)
Y135 16 LG/BK
Y135 18 LG/BK
SENTRY KEY IMMOBILIZER MODULE
(8W-39-2)
1 C3
11 C1
12 C1
POWERTRAIN CONTROL MODULE
(8W-30-29)
(8W-30-36)

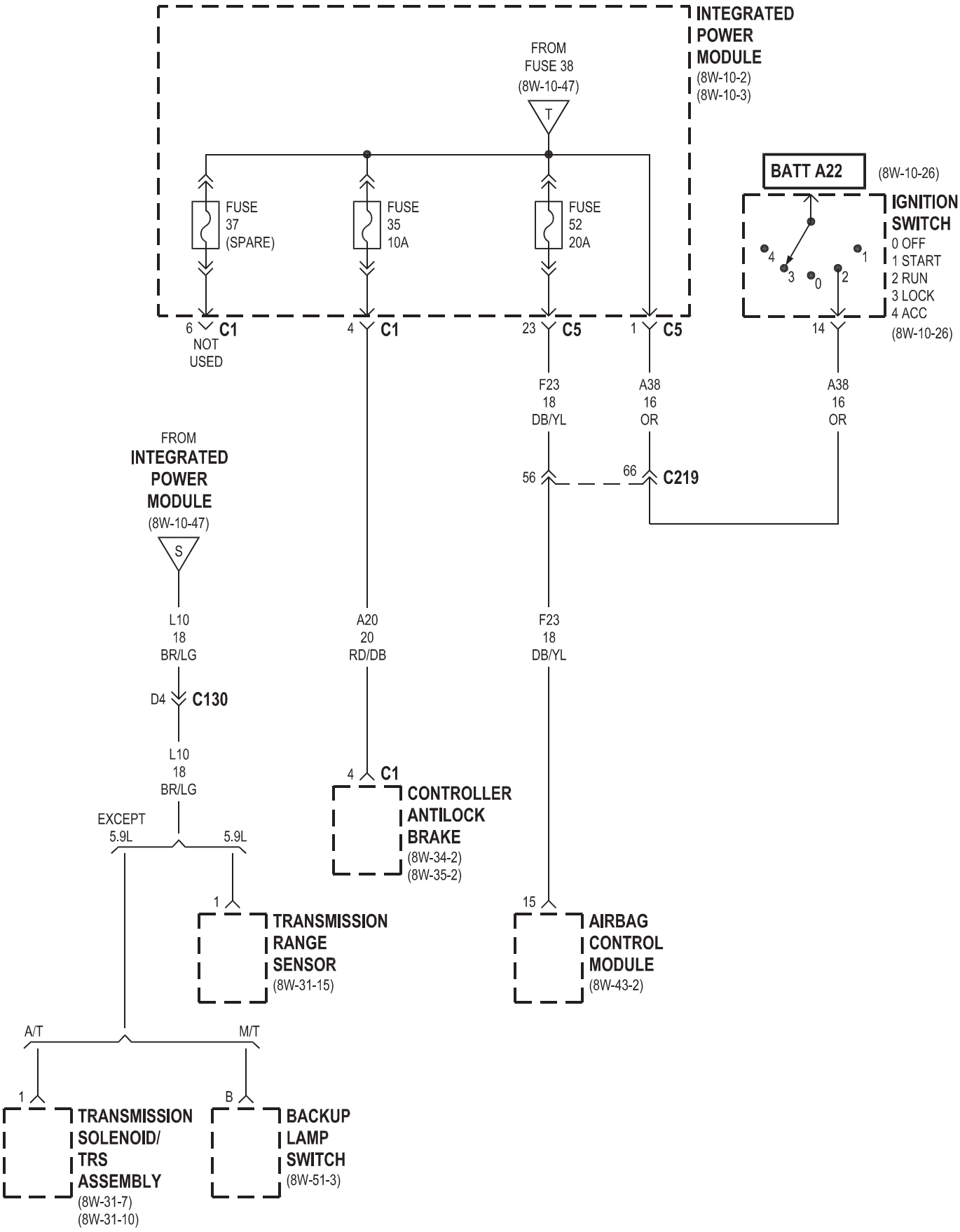


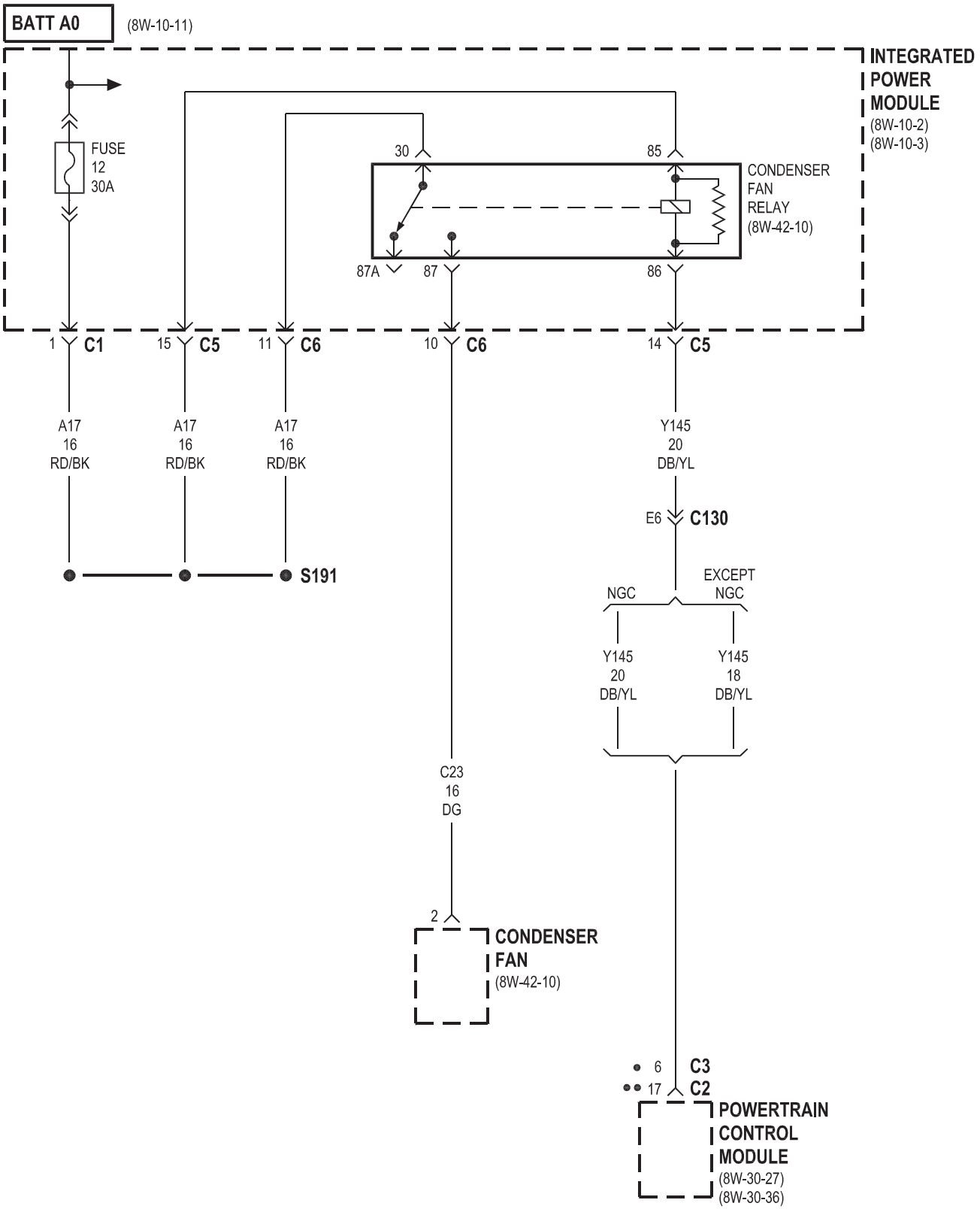
DR301045

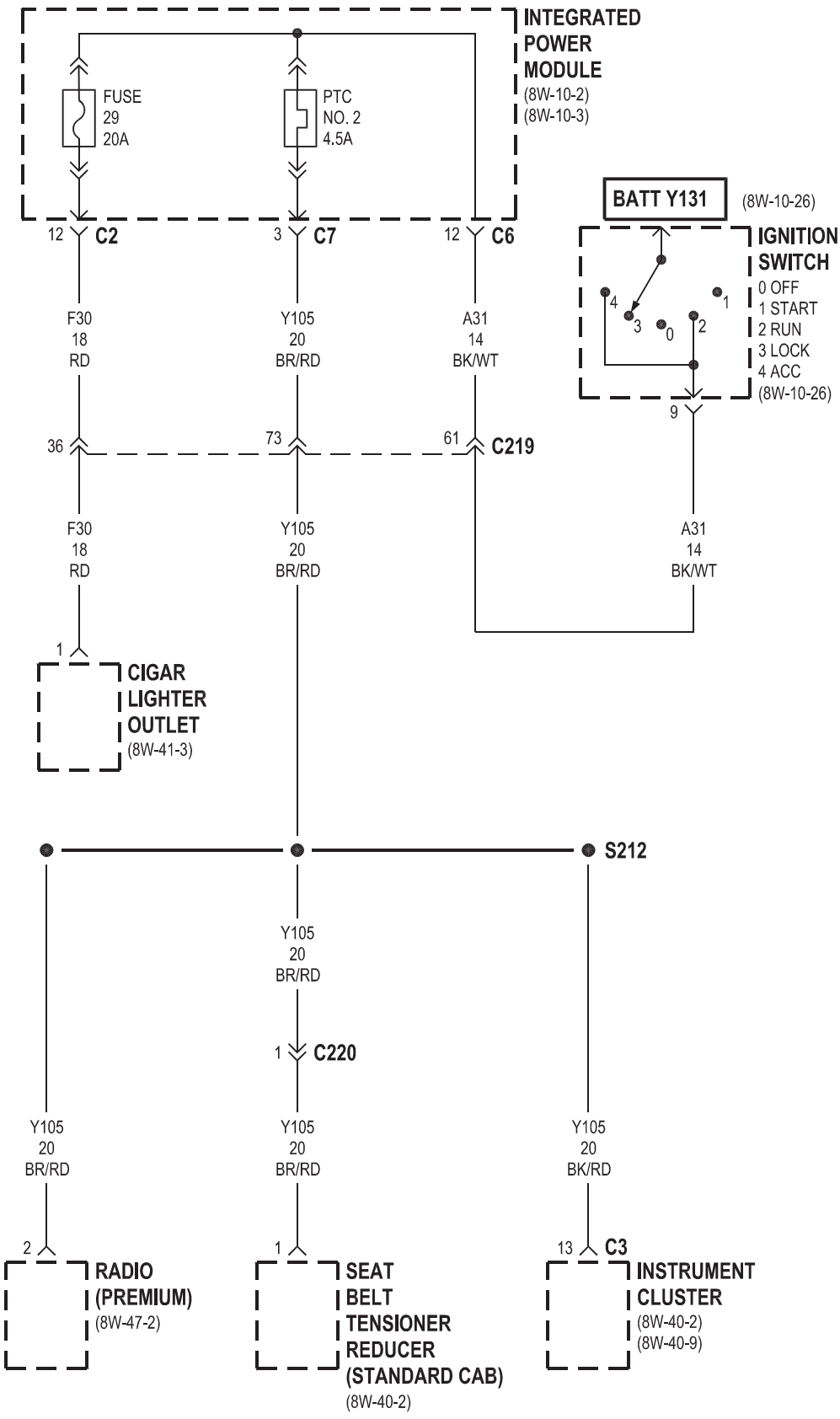
J038W-4

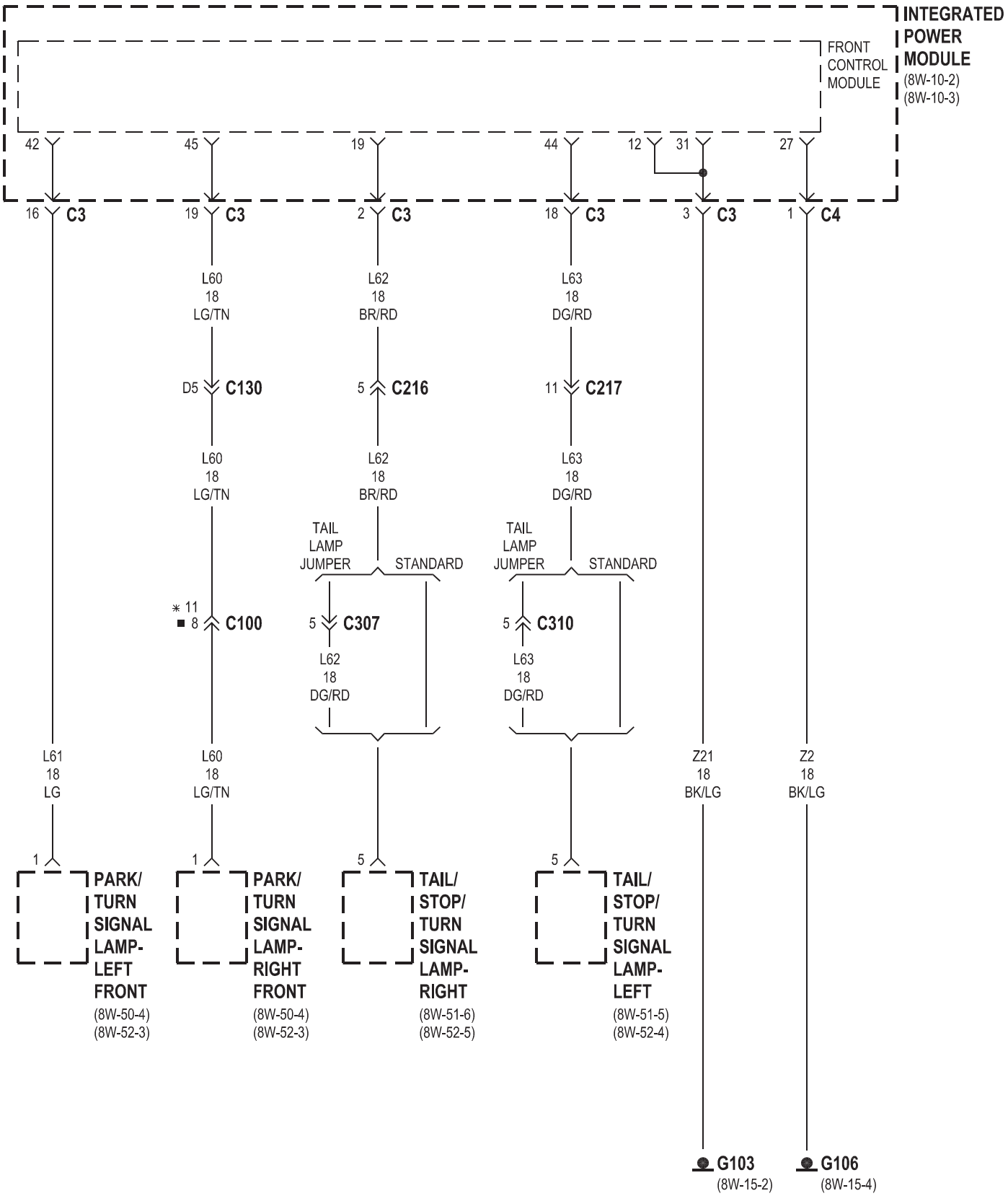

FROM INTEGRATED POWER MODULE (8W-10-45)
N
F14 18 LG/YL
FROM INTEGRATED POWER MODULE (8W-10-47)
R
F15 20 DB
32 C219
F15 20 DB
EXCEPT ADJUSTABLE PEDAL
ADJUSTABLE PEDAL
S146
S225
F14 18 LG/YL
F14 18 LG/YL
F15 20 DB
F15 20 DB
EXCEPT SIDE IMPACT AIRBAGS
SIDE IMPACT AIRBAGS
8 C218
NOT USED
8 C218
67 C219
1 C1
A/C-HEATER CONTROL
(8W-42-3)
(8W-42-4)
5
ADJUSTABLE PEDAL SWITCH
(8W-30-87)
F14 18 LG/YL
F14 18 LG/YL
S335
S222
F14 18 LG/YL
F14 18 LG/YL
F14 18 LG/YL
F14 18 LG/YL
1
AIRBAG CONTROL MODULE-RIGHT SIDE IMPACT
(8W-43-4)
4
PASSENGER AIRBAG ON/OFF SWITCH
(8W-43-2)
1
AIRBAG CONTROL MODULE-LEFT SIDE IMPACT
(8W-43-4)
14
AIRBAG CONTROL MODULE
(8W-43-2)

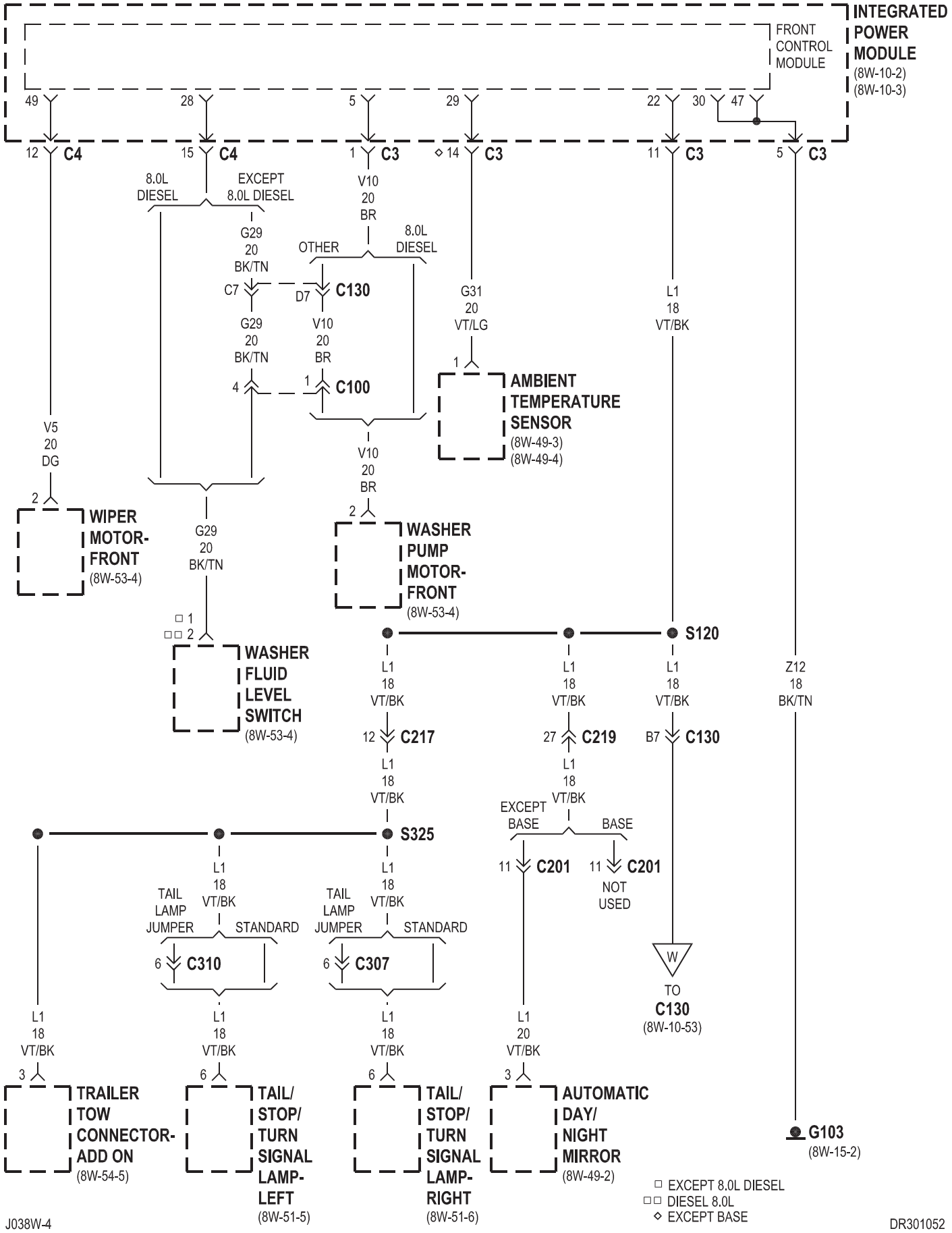

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 27 15A
FUSE 36 10A
FUSE 38 15A
30
85
87A
87
86
HEATED MIRROR RELAY
(8W-62-3)
T
TO FUSE 52
(8W-10-48)
17 C5
21 C5
26 C5
4 C5
F121 16 TN/BK
C16 20 LB/YL
F15 20 DB
BASE
EXCEPT BASE
DIESEL
GAS
3 C218
NOT USED
3 C218
46 C219
S140
(8W-10-58)
C16 20 LB/YL
15 C1
A/C-HEATER CONTROL
(8W-42-3)
(8W-42-4)
F121 16 TN/BK
S334
QUAD CAB
STANDARD CAB
F121 16 TN/BK
F121 18 TN/BK
F121 18 TN/BK
F15 20 DB
L10 18 BR/LG
R
S
TO C219
(8W-10-46)
TO C130
(8W-10-48)
1 C305
13 C302
F121 18 TN/BK
F121 18 TN/BK
1
POWER MIRROR-RIGHT
(8W-62-3)
1
POWER MIRROR-LEFT
(8W-62-3)

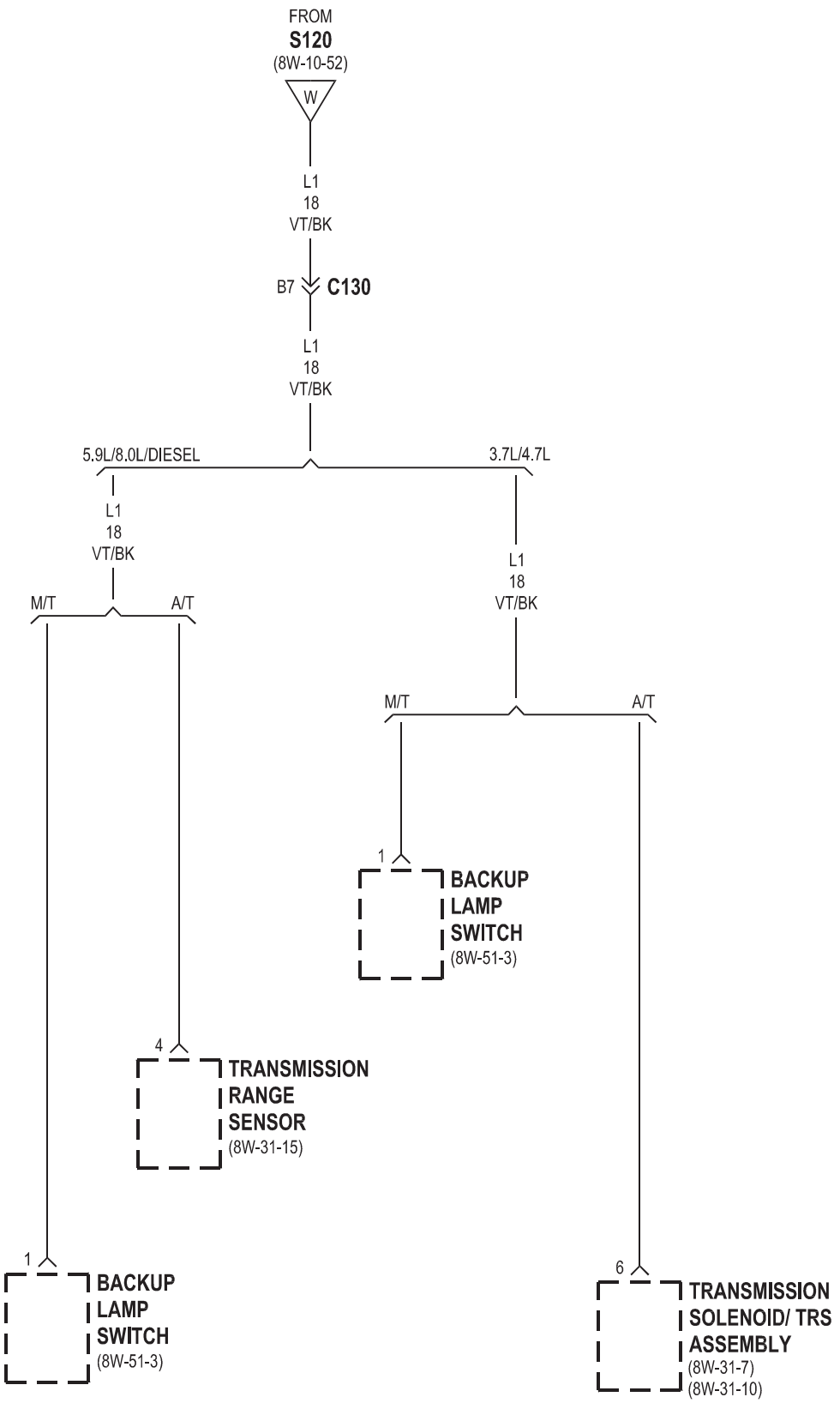

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FROM FUSE 38
(8W-10-47)
T
FUSE 37 (SPARE)
FUSE 35 10A
FUSE 52 20A
BATT A22
(8W-10-26)
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
(8W-10-26)
6 C1 NOT USED
4 C1
23 C5
1 C5
14
F23 18 DB/YL
A38 16 OR
A38 16 OR
56
66 C219
FROM INTEGRATED POWER MODULE
(8W-10-47)
S
L10 18 BR/LG
A20 20 RD/DB
F23 18 DB/YL
D4 C130
L10 18 BR/LG
4 C1
CONTROLLER ANTILOCK BRAKE
(8W-34-2)
(8W-35-2)
EXCEPT 5.9L
5.9L
1
TRANSMISSION RANGE SENSOR
(8W-31-15)
15
AIRBAG CONTROL MODULE
(8W-43-2)
A/T
M/T
1
TRANSMISSION SOLENOID/ TRS ASSEMBLY
(8W-31-7)
(8W-31-10)
B
BACKUP LAMP SWITCH
(8W-51-3)

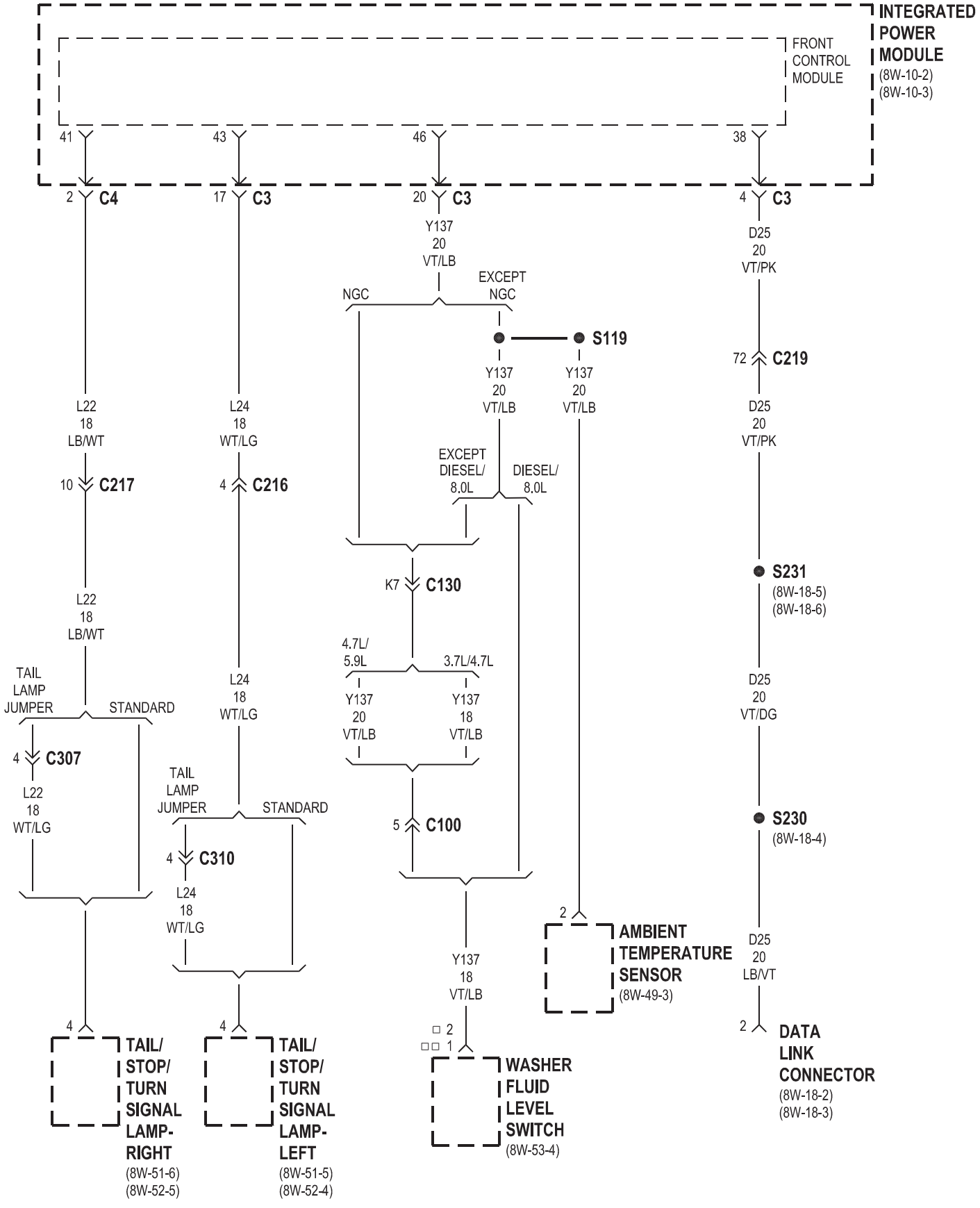

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 12 30A
30
85
87A
87
86
CONDENSER FAN RELAY
(8W-42-10)
1 C1
15 C5
11 C6
10 C6
14 C5
A17 16 RD/BK
A17 16 RD/BK
A17 16 RD/BK
Y145 20 DB/YL
E6 C130
S191
NGC
EXCEPT NGC
Y145 20 DB/YL
Y145 18 DB/YL
C23 16 DG
2
CONDENSER FAN
(8W-42-10)
• 6 C3
•• 17 C2
POWERTRAIN CONTROL MODULE
(8W-30-27)
(8W-30-36)
• NGC
•• EXCEPT NGC


INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 29 20A
PTC NO. 2 4.5A
BATT Y131
(8W-10-26)
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
(8W-10-26)
12 C2
3 C7
12 C6
F30 18 RD
Y105 20 BR/RD
A31 14 BK/WT
36
73
61 C219
9
CIGAR LIGHTER OUTLET
(8W-41-3)
S212
1 C220
Y105 20 BR/RD
Y105 20 BK/RD
2
1
13 C3
RADIO (PREMIUM)
(8W-47-2)
SEAT BELT TENSIONER REDUCER (STANDARD CAB)
(8W-40-2)
INSTRUMENT CLUSTER
(8W-40-2)
(8W-40-9)

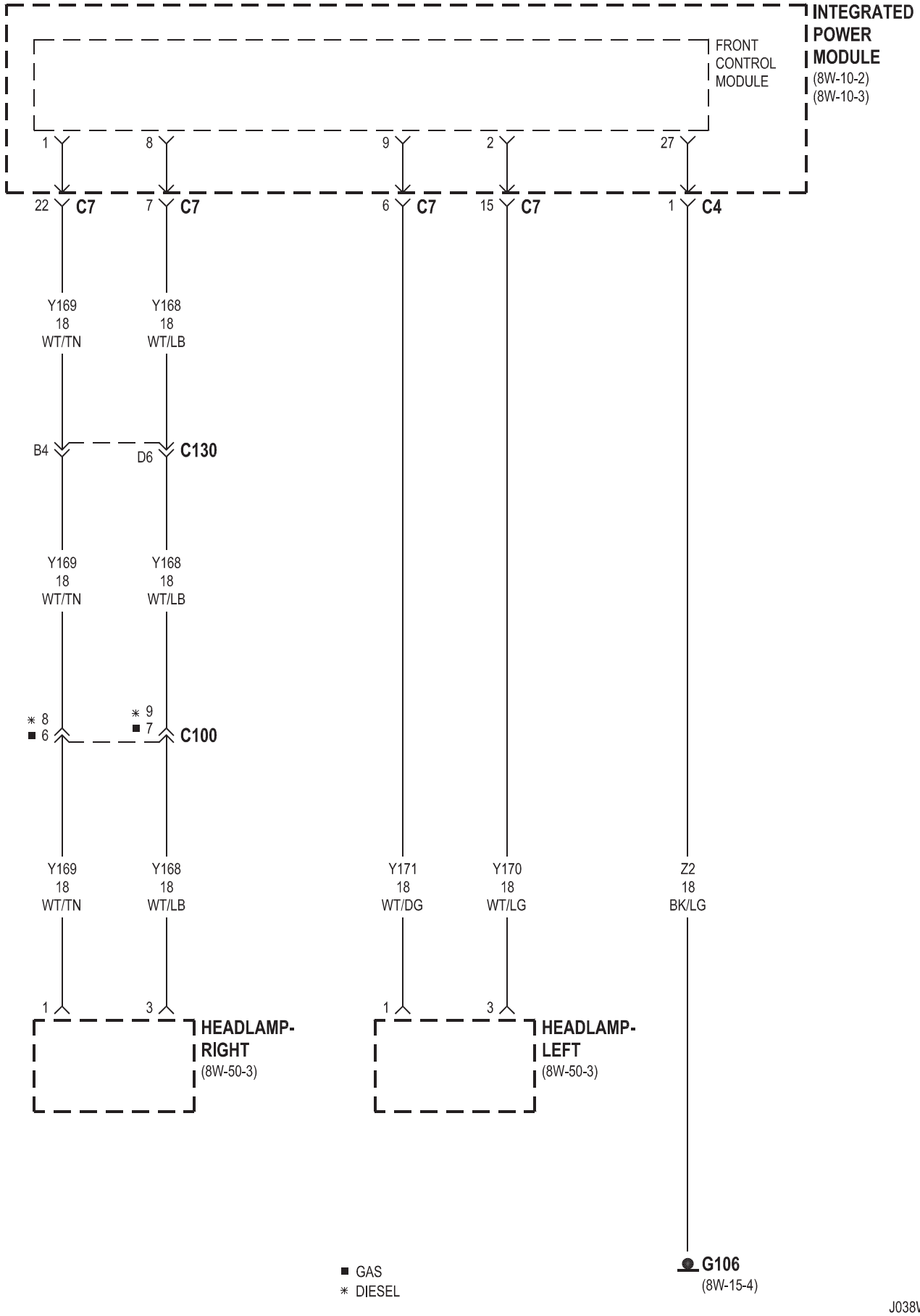

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
42
45
19
44
12
31
27
16 C3
19 C3
2 C3
18 C3
3 C3
1 C4
L60 18 LG/TN
L62 18 BR/RD
L63 18 DG/RD
D5 C130
5 C216
11 C217
L60 18 LG/TN
L62 18 BR/RD
L63 18 DG/RD
TAIL LAMP JUMPER
STANDARD
TAIL LAMP JUMPER
STANDARD
* 11
■ 8 C100
5 C307
5 C310
L62 18 DG/RD
L63 18 DG/RD
L61 18 LG
L60 18 LG/TN
Z21 18 BK/LG
Z2 18 BK/LG
1
1
5
5
PARK/ TURN SIGNAL LAMP- LEFT FRONT
(8W-50-4)
(8W-52-3)
PARK/ TURN SIGNAL LAMP- RIGHT FRONT
(8W-50-4)
(8W-52-3)
TAIL/ STOP/ TURN SIGNAL LAMP- RIGHT
(8W-51-6)
(8W-52-5)
TAIL/ STOP/ TURN SIGNAL LAMP- LEFT
(8W-51-5)
(8W-52-4)
G103
(8W-15-2)
G106
(8W-15-4)
■ DIESEL
* GAS

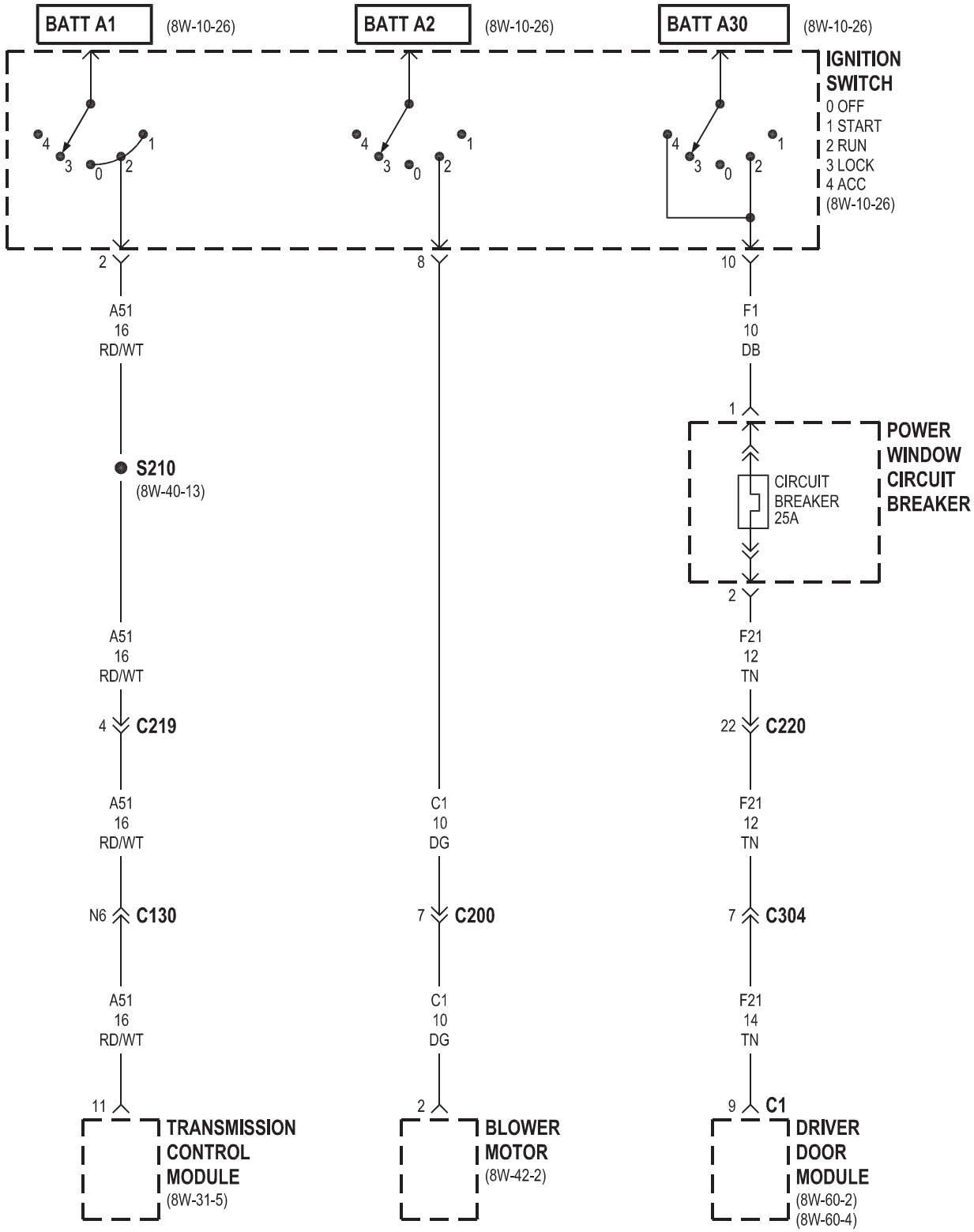

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
49
28
5
29
22
30
47
12 C4
15 C4
1 C3
◇ 14 C3
11 C3
5 C3
8.0L DIESEL
EXCEPT 8.0L DIESEL
V10 20 BR
OTHER
8.0L DIESEL
G29 20 BK/TN
C7
D7 C130
G29 20 BK/TN
V10 20 BR
4
1 C100
G31 20 VT/LG
1
AMBIENT TEMPERATURE SENSOR
(8W-49-3)
(8W-49-4)
L1 18 VT/BK
V5 20 DG
2
WIPER MOTOR-FRONT
(8W-53-4)
G29 20 BK/TN
V10 20 BR
2
WASHER PUMP MOTOR-FRONT
(8W-53-4)
□ 1
□□ 2
WASHER FLUID LEVEL SWITCH
(8W-53-4)
S120
L1 18 VT/BK
12 C217
27 C219
B7 C130
Z12 18 BK/TN
S325
EXCEPT BASE
BASE
11 C201
11 C201
NOT USED
TAIL LAMP JUMPER
STANDARD
6 C310
6 C307
W
TO C130
(8W-10-53)
L1 18 VT/BK
L1 20 VT/BK
3
6
TRAILER TOW CONNECTOR-ADD ON
(8W-54-5)
TAIL/ STOP/ TURN SIGNAL LAMP-LEFT
(8W-51-5)
TAIL/ STOP/ TURN SIGNAL LAMP-RIGHT
(8W-51-6)
AUTOMATIC DAY/ NIGHT MIRROR
(8W-49-2)
G103
(8W-15-2)
□ EXCEPT 8.0L DIESEL
□□ DIESEL 8.0L
◇ EXCEPT BASE

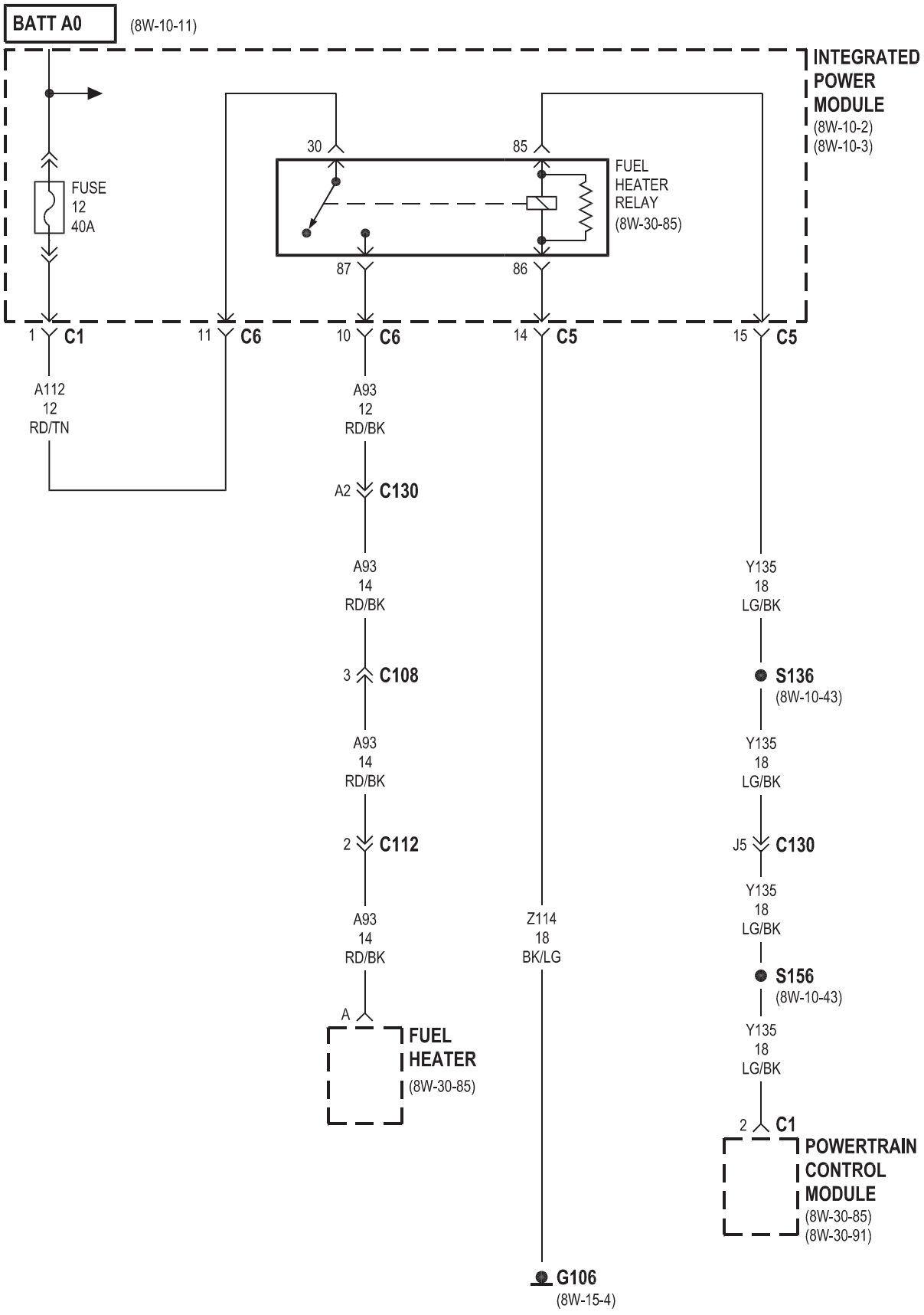

FROM
S120
(8W-10-52)
W
L1
18
VT/BK
B7
C130
L1
18
VT/BK
5.9L/8.0L/DIESEL
3.7L/4.7L
L1
18
VT/BK
L1
18
VT/BK
M/T
A/T
M/T
A/T
1
BACKUP
LAMP
SWITCH
(8W-51-3)
4
TRANSMISSION
RANGE
SENSOR
(8W-31-15)
1
BACKUP
LAMP
SWITCH
(8W-51-3)
6
TRANSMISSION
SOLENOID/ TRS
ASSEMBLY
(8W-31-7)
(8W-31-10)

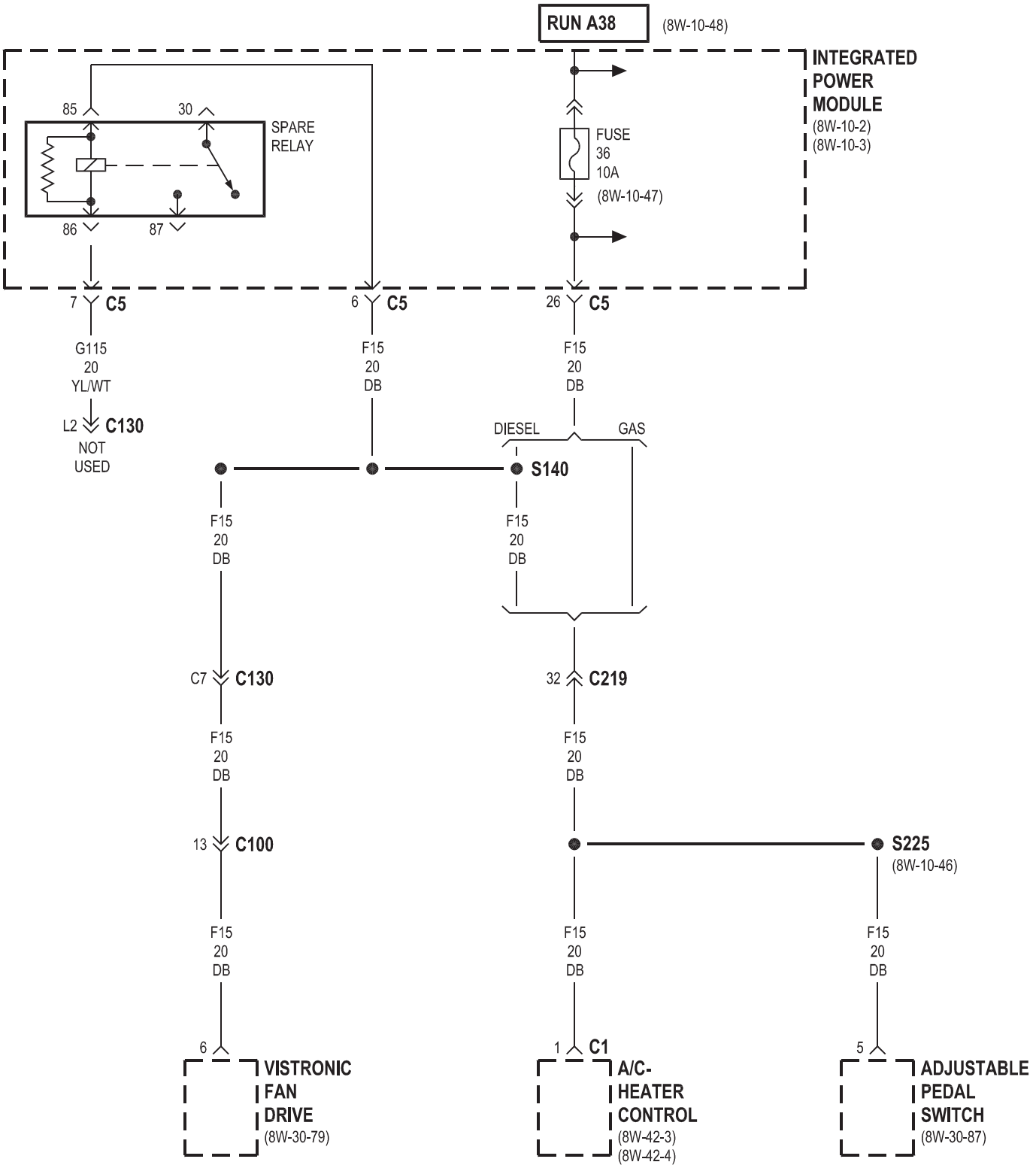


□ EXCEPT 8.0L DIESEL
□□ 8.0L DIESEL


INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
1
8
9
2
27
22 C7
7 C7
6 C7
15 C7
1 C4
Y169 18 WT/TN
Y168 18 WT/LB
B4
D6 C130
Y169 18 WT/TN
Y168 18 WT/LB
* 8
■ 6
* 9
■ 7
C100
Y169 18 WT/TN
Y168 18 WT/LB
Y171 18 WT/DG
Y170 18 WT/LG
Z2 18 BK/LG
1
3
1
3
HEADLAMP-RIGHT
(8W-50-3)
HEADLAMP-LEFT
(8W-50-3)
G106
(8W-15-4)
■ GAS
* DIESEL

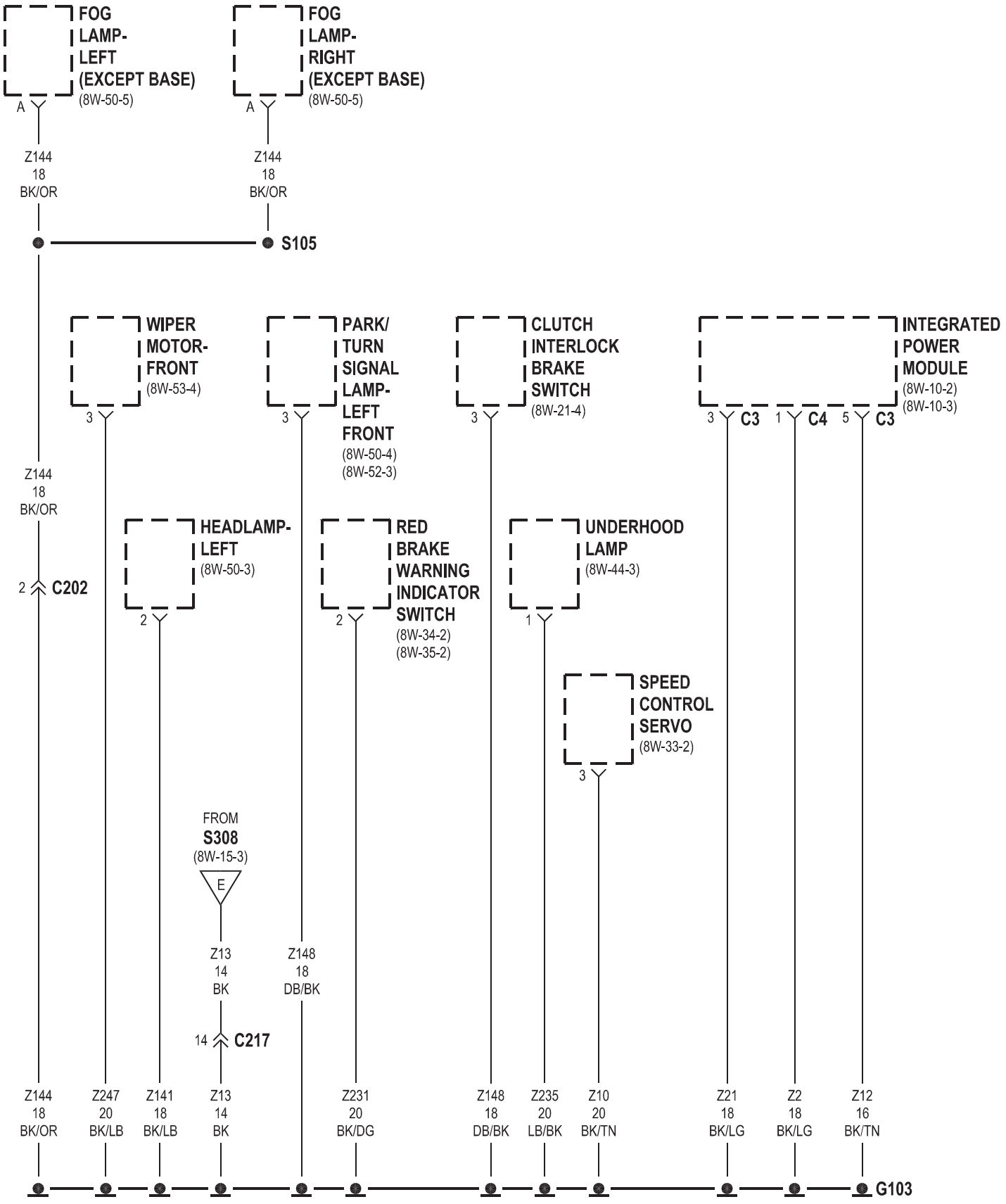

BATT A1
(8W-10-26)
BATT A2
(8W-10-26)
BATT A30
(8W-10-26)
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
(8W-10-26)
2
8
10
A51
16
RD/WT
F1
10
DB
1
POWER WINDOW CIRCUIT BREAKER
CIRCUIT BREAKER 25A
2
S210
(8W-40-13)
A51
16
RD/WT
F21
12
TN
4 C219
22 C220
A51
16
RD/WT
C1
10
DG
F21
12
TN
N6 C130
7 C200
7 C304
A51
16
RD/WT
C1
10
DG
F21
14
TN
11
2
9 C1
TRANSMISSION CONTROL MODULE
(8W-31-5)
BLOWER MOTOR
(8W-42-2)
DRIVER DOOR MODULE
(8W-60-2)
(8W-60-4)

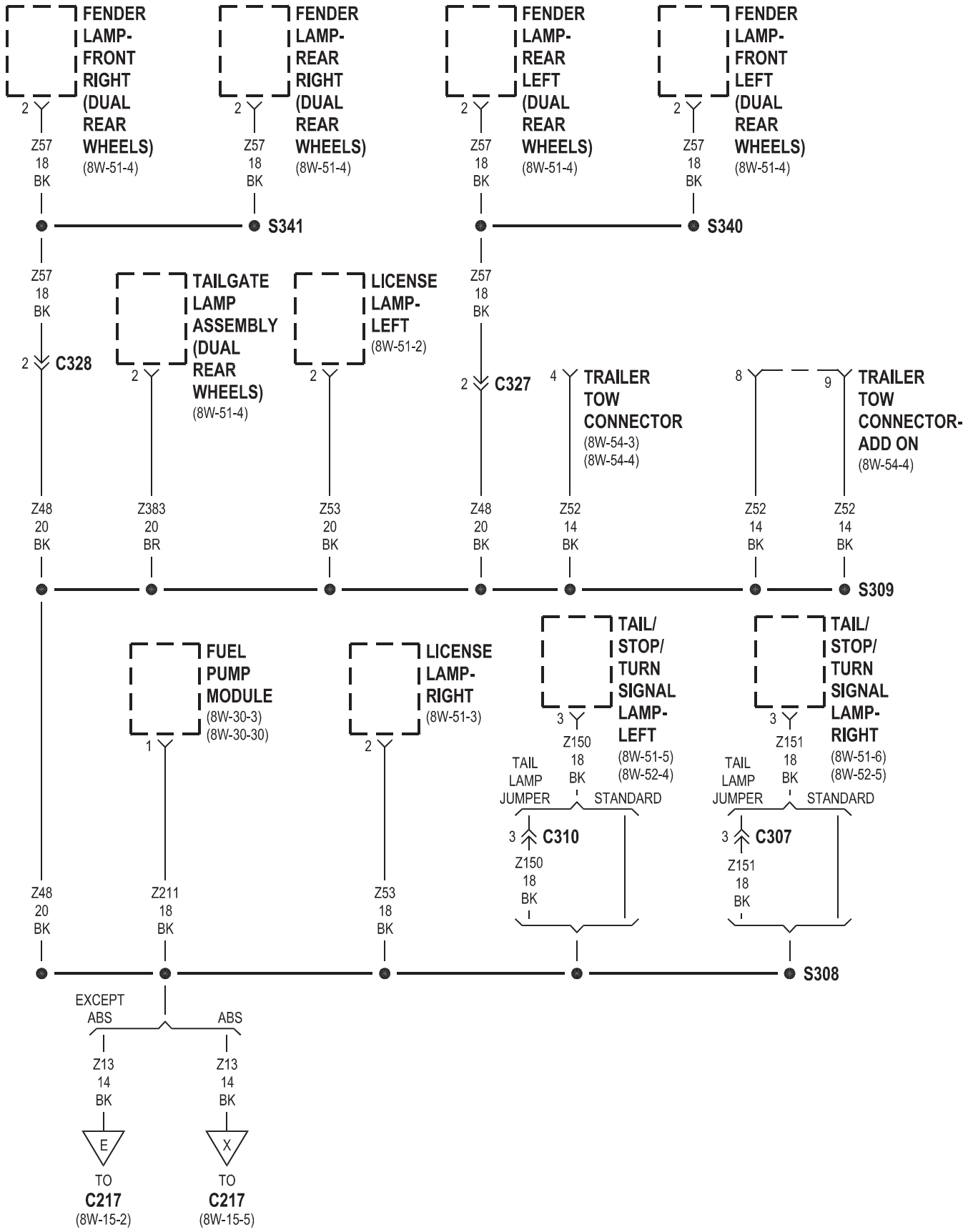

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE
12
40A
30
85
87
86
FUEL HEATER RELAY
(8W-30-85)
1 C1
11 C6
10 C6
14 C5
15 C5
A112
12
RD/TN
A93
12
RD/BK
A2 C130
A93
14
RD/BK
3 C108
A93
14
RD/BK
2 C112
A93
14
RD/BK
A
FUEL HEATER
(8W-30-85)
Z114
18
BK/LG
G106
(8W-15-4)
Y135
18
LG/BK
S136
(8W-10-43)
Y135
18
LG/BK
J5 C130
Y135
18
LG/BK
S156
(8W-10-43)
Y135
18
LG/BK
2 C1
POWERTRAIN CONTROL MODULE
(8W-30-85)
(8W-30-91)

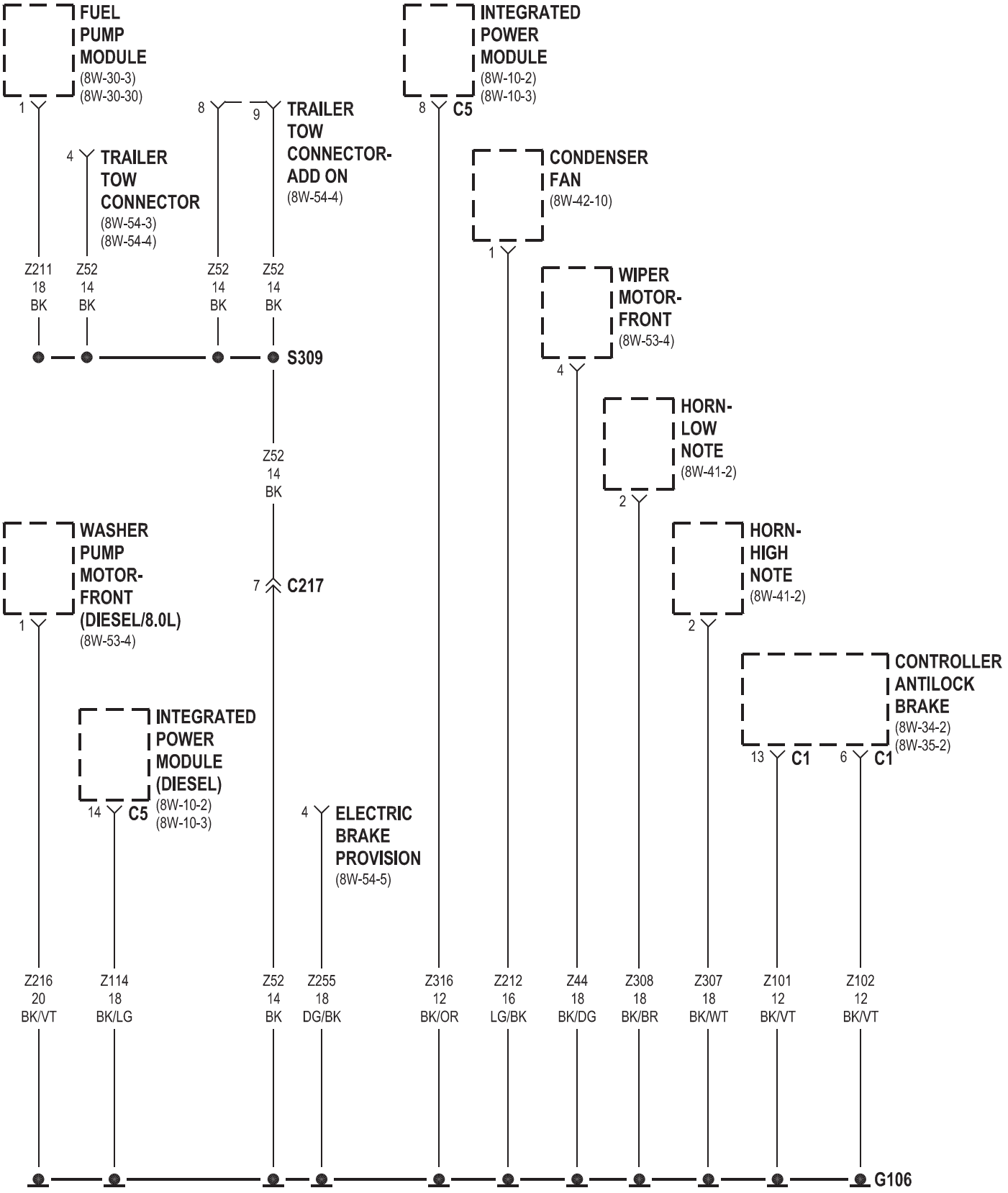

RUN A38
(8W-10-48)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
85
30
SPARE RELAY
86
87
FUSE 36 10A
(8W-10-47)
7 C5
6 C5
26 C5
G115 20 YL/WT
L2 C130 NOT USED
F15 20 DB
DIESEL
GAS
S140
C7 C130
32 C219
13 C100
S225
(8W-10-46)
6 VISTRONIC FAN DRIVE
(8W-30-79)
1 C1
A/C-HEATER CONTROL
(8W-42-3)
(8W-42-4)
5 ADJUSTABLE PEDAL SWITCH
(8W-30-87)

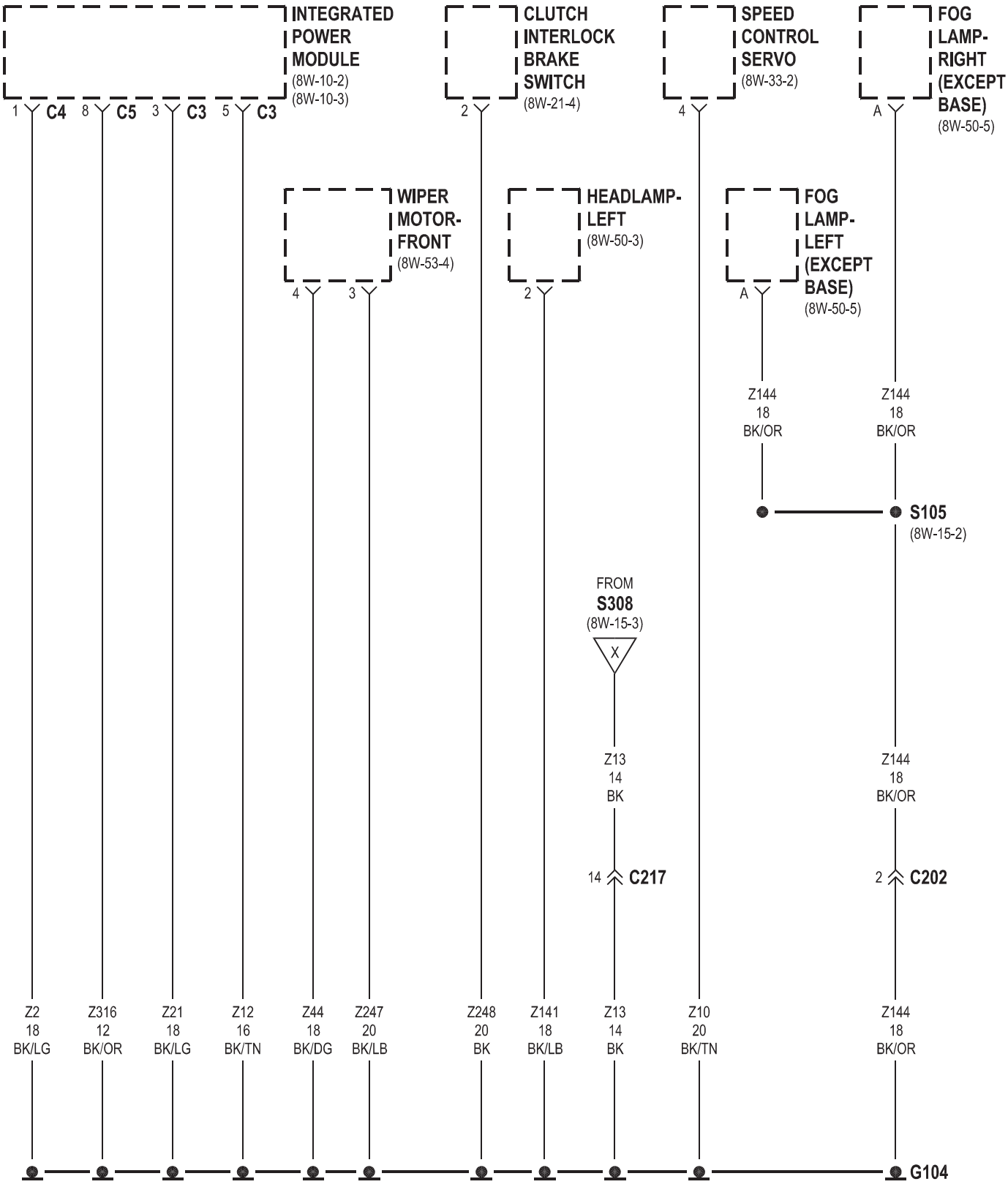
8W-15 GROUND DISTRIBUTION

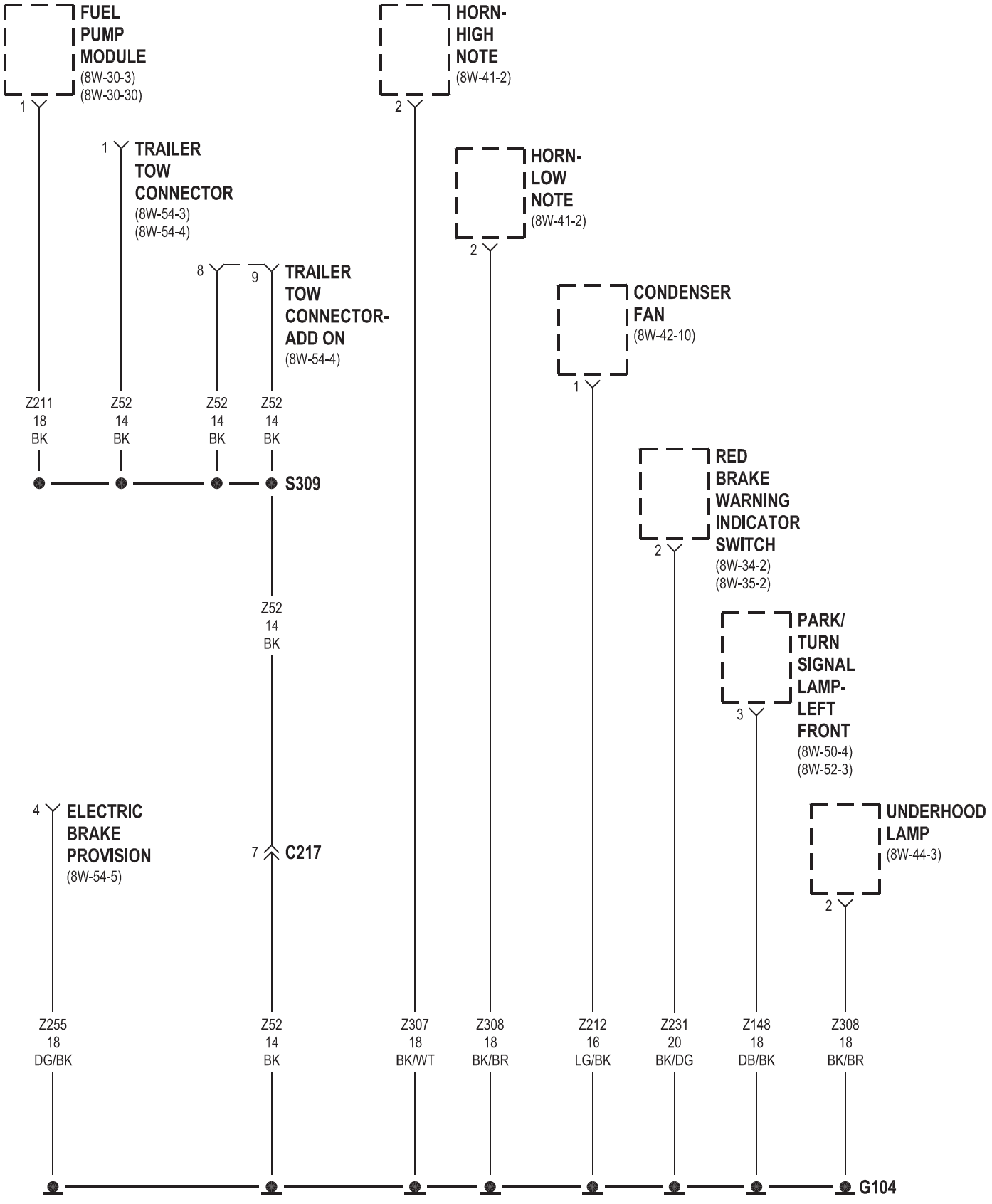
Component	Page
A/C Compressor Clutch	8W-15-9, 11
A/C-Heater Control	8W-15-15, 17
Adjustable Pedal Switch	8W-15-17
Airbag Control Module	8W-15-18
Airbag Control Module-Left Side Impact	8W-15-18
Airbag Control Module-Right Side Impact	8W-15-18
Amplifier Audio	8W-15-14
Automatic Day/Night Mirror	8W-15-15
Auxiliary Battery	8W-15-7
Battery	8W-15-7
Brake Lamp Switch	8W-15-13
Brake Transmission Shift Interlock Solenoid	8W-15-14
Center High Mounted Stop Lamp/Cargo Lamp	8W-15-15
Cigar Lighter Outlet	8W-15-17
Clearance Lamp No. 1	8W-15-16
Clearance Lamp No. 2	8W-15-16
Clearance Lamp No. 3	8W-15-16
Clearance Lamp No. 4	8W-15-16
Clearance Lamp No. 5	8W-15-16
Clockspring	8W-15-12
Clutch Interlock Brake Switch	8W-15-2, 5
Compass/Mini-Trip Computer	8W-15-15
Condenser Fan	8W-15-4, 6
Controller Antilock Brake	8W-15-4
Cylinder Lock Switch-Driver	8W-15-19
Cylinder Lock Switch-Passenger	8W-15-19
Data Link Connector	8W-15-13
Data Link Connector-Engine	8W-15-11
Door Ajar Switch-Driver	8W-15-19
Door Ajar Switch-Left Rear	8W-15-20
Door Ajar Switch-Passenger	8W-15-19
Door Ajar Switch-Right Rear	8W-15-20
Door Lock Motor/Ajar Switch-Driver	8W-15-19
Door Lock Motor/Ajar Switch-Left Rear	8W-15-20
Door Lock Motor/Ajar Switch-Passenger	8W-15-19
Door Lock Motor/Ajar Switch-Right Rear	8W-15-20
Door Lock Switch-Passenger	8W-15-19
Driver Door Module	8W-15-21
Electric Brake Provision	8W-15-4, 6
Engine Control Module	8W-15-11
Fender Lamp-Front Left	8W-15-3
Fender Lamp-Front Right	8W-15-3
Fender Lamp-Rear Left	8W-15-3
Fender Lamp-Rear Right	8W-15-3
Fog Lamp-Left	8W-15-2, 5
Fog Lamp-Right	8W-15-2, 5
Fuel Heater	8W-15-11
Fuel Pump Module	8W-15-3, 4, 6
G100	8W-15-7
G101	8W-15-7
G102	8W-15-7
G103	8W-15-2
G104	8W-15-5, 6
G105	8W-15-7
G106	8W-15-4
G107	8W-15-8, 9, 10
G108	8W-15-7
G109	8W-15-7
G114	8W-15-11
G117	8W-15-11
G120	8W-15-11
G201	8W-15-12, 13
G202	8W-15-14, 15
G203	8W-15-17
G204	8W-15-18
G301	8W-15-20
G302	8W-15-22
Generator	8W-15-10, 11
Headlamp Switch	8W-15-12
Headlamp-Left	8W-15-2, 5
Headlamp-Right	8W-15-7
Heated Seat Cushion-Driver	8W-15-22
Heated Seat Cushion-Passenger	8W-15-22
Heated Seat Switch-Driver	8W-15-13
Heated Seat Switch-Passenger	8W-15-13
Horn-High Note	8W-15-4, 6
Horn-Low Note	8W-15-4, 6
Ignition Switch	8W-15-12
Instrument Cluster	8W-15-12, 14
Intake Air Heater Relay No. 1	8W-15-7
Intake Air Heater Relay No. 2	8W-15-7
Integrated Power Module	8W-15-2, 4, 5, 8
Leak Detection Pump	8W-15-10
License Lamp-Left	8W-15-3
License Lamp-Right	8W-15-3
Lift Pump Motor	8W-15-11
Overdrive Switch	8W-15-13
Oxygen Sensor 1/1 Upstream	8W-15-10
Oxygen Sensor 1/2 Downstream	8W-15-9, 10
Oxygen Sensor 2/1 Upstream	8W-15-10
Oxygen Sensor 2/2 Downstream	8W-15-9, 10
Park/Turn Signal Lamp-Left Front	8W-15-2, 6
Park/Turn Signal Lamp-Right Front	8W-15-7
Power Mirror-Left	8W-15-21
Power Mirror-Right	8W-15-22
Power Outlet	8W-15-17
Power Outlet-Console	8W-15-21
Power Seat Switch-Driver	8W-15-21
Power Seat Switch-Passenger	8W-15-21
Power Steering Pressure Switch	8W-15-9
Powertrain Control Module	8W-15-8, 10, 11
Radio	8W-15-15
Red Brake Warning Indicator Switch	8W-15-2, 6
Seat Belt Switch-Driver	8W-15-20
Seat Heater Interface Module	8W-15-22
Sentry Key Immobilizer Module	8W-15-12
Speed Control Servo	8W-15-2, 5
Tail/Stop/Turn Signal Lamp-Left	8W-15-3
Tail/Stop/Turn Signal Lamp-Right	8W-15-3
Tailgate Lamp Assembly	8W-15-3
Trailer Tow Connector	8W-15-3, 4, 6
Trailer Tow Connector-Add On	8W-15-3, 4, 6
Transfer Case Control Module	8W-15-17
Transfer Case Selector Switch	8W-15-13
Transmission Control Module	8W-15-8
Underhood Lamp	8W-15-2, 6
Vacuum Pump	8W-15-7
Washer Pump Motor-Front	8W-15-4, 7
Wiper Motor-Front	8W-15-2, 4, 5

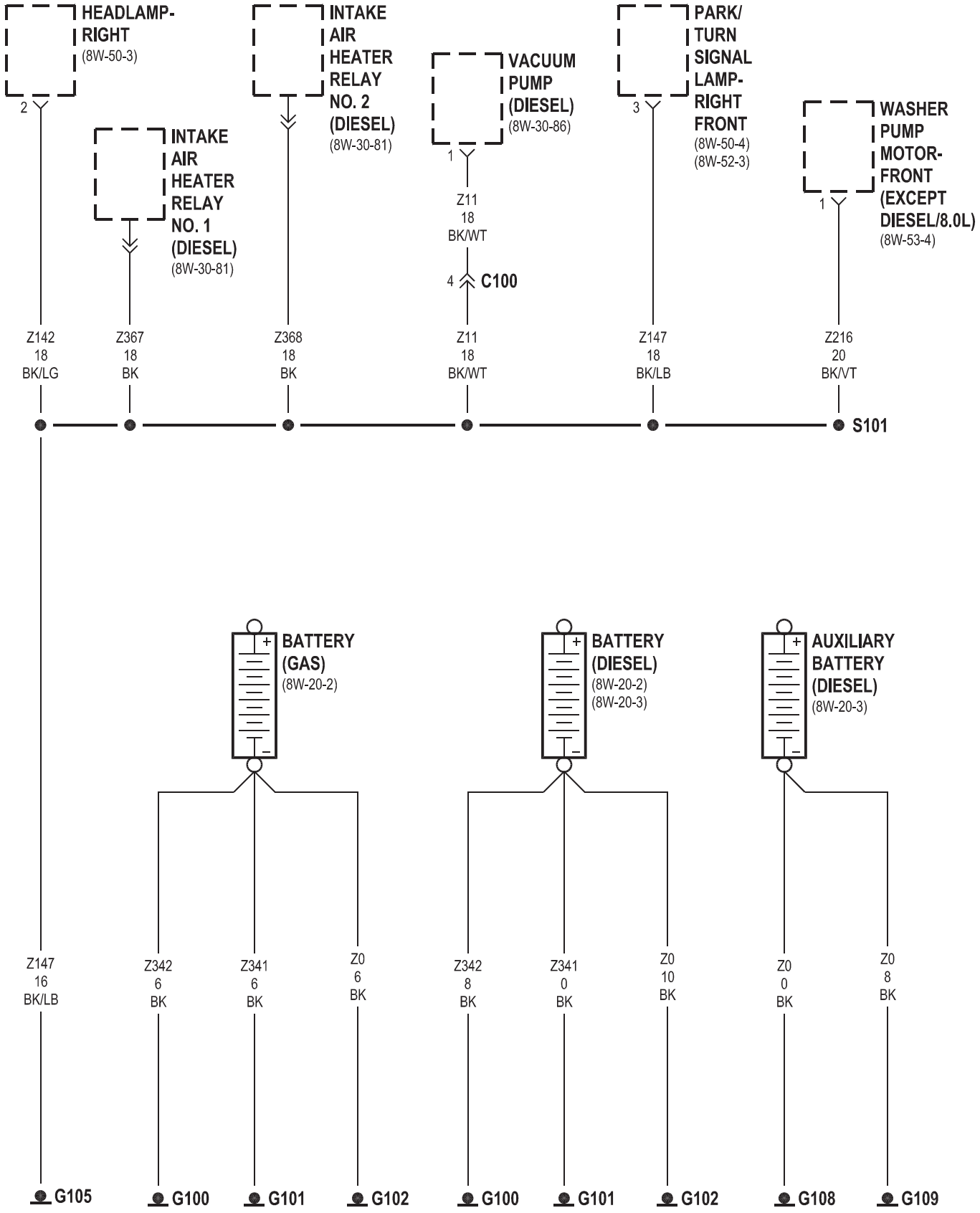

FOG LAMP- LEFT (EXCEPT BASE) (8W-50-5)
A
Z144 18 BK/OR
FOG LAMP- RIGHT (EXCEPT BASE) (8W-50-5)
A
Z144 18 BK/OR
S105
WIPER MOTOR- FRONT (8W-53-4)
3
PARK/ TURN SIGNAL LAMP- LEFT FRONT (8W-50-4) (8W-52-3)
3
CLUTCH INTERLOCK BRAKE SWITCH (8W-21-4)
3
INTEGRATED POWER MODULE (8W-10-2) (8W-10-3)
3 C3 1 C4 5 C3
Z144 18 BK/OR
2 C202
HEADLAMP- LEFT (8W-50-3)
2
RED BRAKE WARNING INDICATOR SWITCH (8W-34-2) (8W-35-2)
2
UNDERHOOD LAMP (8W-44-3)
1
SPEED CONTROL SERVO (8W-33-2)
3
FROM S308 (8W-15-3)
E
Z13 14 BK
14 C217
Z148 18 DB/BK
Z144 18 BK/OR
Z247 20 BK/LB
Z141 18 BK/LB
Z13 14 BK
Z231 20 BK/DG
Z148 18 DB/BK
Z235 20 LB/BK
Z10 20 BK/TN
Z21 18 BK/LG
Z2 18 BK/LG
Z12 16 BK/TN
G103

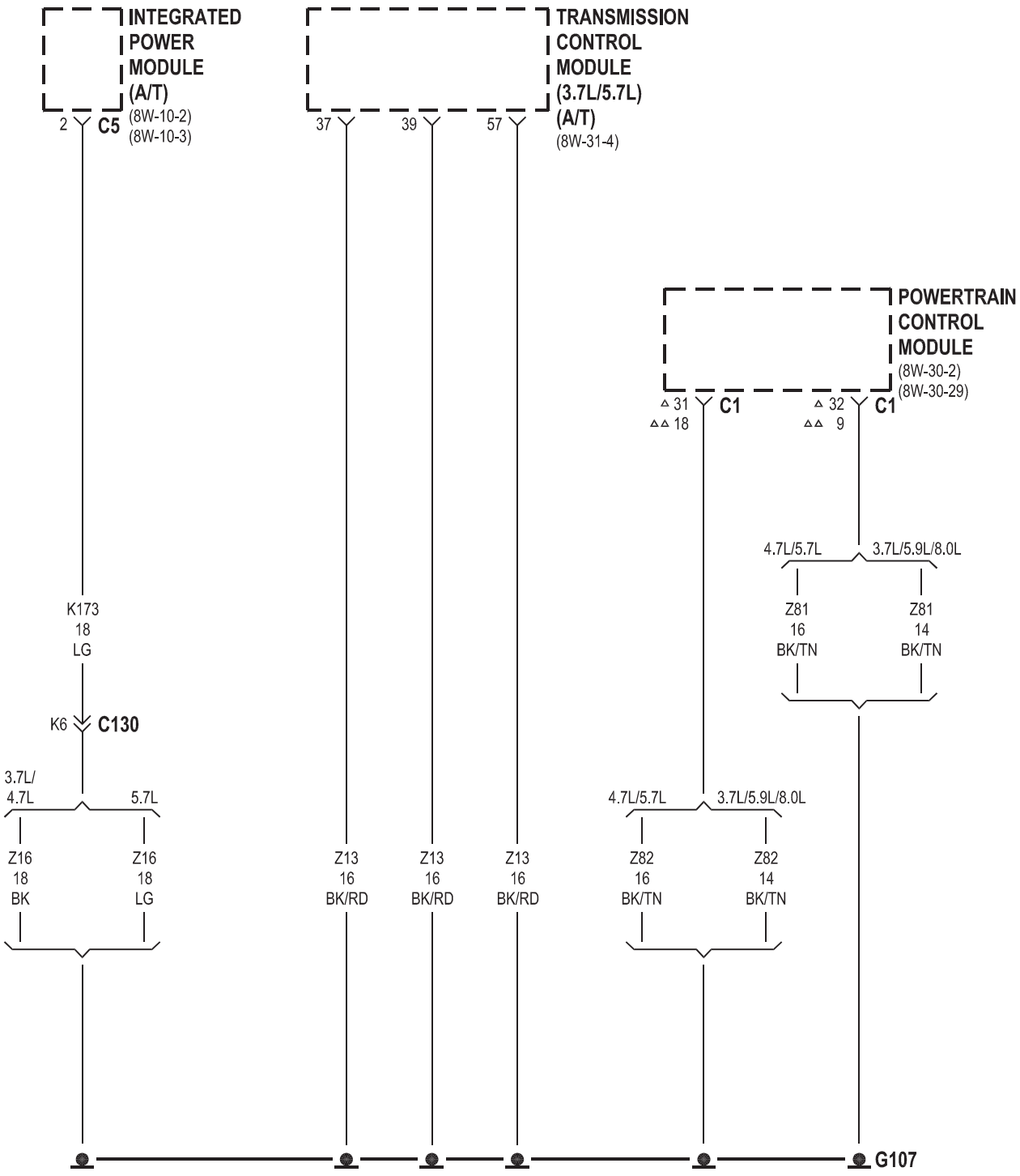

FENDER LAMP- FRONT RIGHT (DUAL REAR WHEELS) (8W-51-4)
FENDER LAMP- REAR RIGHT (DUAL REAR WHEELS) (8W-51-4)
FENDER LAMP- REAR LEFT (DUAL REAR WHEELS) (8W-51-4)
FENDER LAMP- FRONT LEFT (DUAL REAR WHEELS) (8W-51-4)
Z57 18 BK
S341
S340
TAILGATE LAMP ASSEMBLY (DUAL REAR WHEELS) (8W-51-4)
LICENSE LAMP- LEFT (8W-51-2)
C328
C327
TRAILER TOW CONNECTOR (8W-54-3) (8W-54-4)
TRAILER TOW CONNECTOR- ADD ON (8W-54-4)
Z48 20 BK
Z383 20 BR
Z53 20 BK
Z52 14 BK
S309
FUEL PUMP MODULE (8W-30-3) (8W-30-30)
LICENSE LAMP- RIGHT (8W-51-3)
TAIL/ STOP/ TURN SIGNAL LAMP- LEFT (8W-51-5) (8W-52-4)
TAIL/ STOP/ TURN SIGNAL LAMP- RIGHT (8W-51-6) (8W-52-5)
Z150 18 BK
Z151 18 BK
TAIL LAMP JUMPER
STANDARD
C310
C307
Z211 18 BK
S308
EXCEPT ABS
ABS
Z13 14 BK
E
X
TO C217 (8W-15-2)
TO C217 (8W-15-5)


FUEL PUMP MODULE
(8W-30-3)
(8W-30-30)
1
Z211
18
BK
TRAILER TOW CONNECTOR
(8W-54-3)
(8W-54-4)
4
Z52
14
BK
TRAILER TOW CONNECTOR-ADD ON
(8W-54-4)
8
9
Z52
14
BK
Z52
14
BK
S309
Z52
14
BK
C217
7
WASHER PUMP MOTOR-FRONT (DIESEL/8.0L)
(8W-53-4)
1
Z216
20
BK/VT
INTEGRATED POWER MODULE (DIESEL)
(8W-10-2)
(8W-10-3)
14
C5
Z114
18
BK/LG
ELECTRIC BRAKE PROVISION
(8W-54-5)
4
Z52
14
BK
Z255
18
DG/BK
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
8
C5
Z316
12
BK/OR
CONDENSER FAN
(8W-42-10)
1
Z212
16
LG/BK
WIPER MOTOR-FRONT
(8W-53-4)
4
Z44
18
BK/DG
HORN-LOW NOTE
(8W-41-2)
2
Z308
18
BK/BR
HORN-HIGH NOTE
(8W-41-2)
2
Z307
18
BK/WT
CONTROLLER ANTILOCK BRAKE
(8W-34-2)
(8W-35-2)
13
C1
Z101
12
BK/VT
6
C1
Z102
12
BK/VT
G106

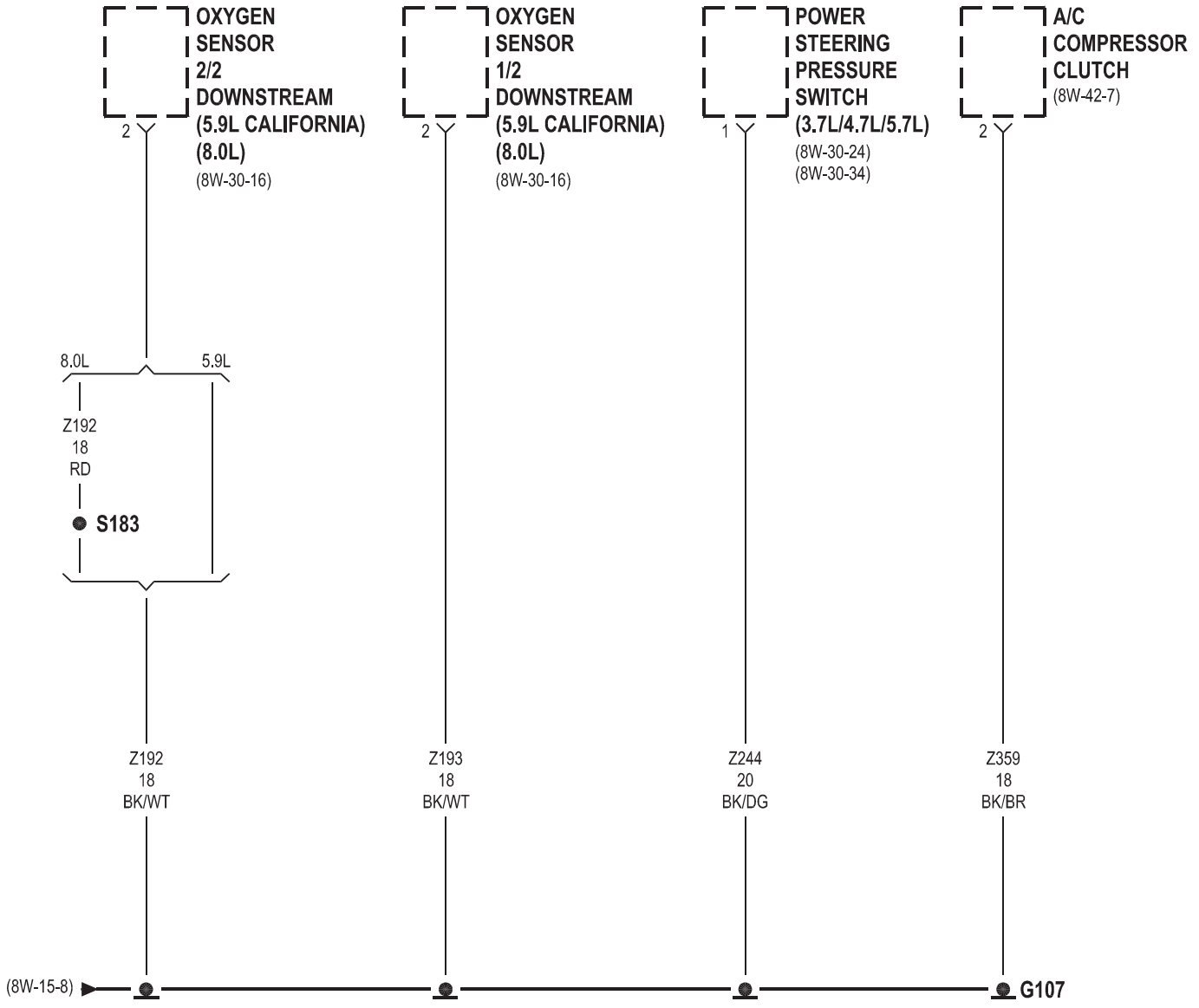

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
1 C4
8 C5
3 C3
5 C3
CLUTCH INTERLOCK BRAKE SWITCH
(8W-21-4)
2
SPEED CONTROL SERVO
(8W-33-2)
4
FOG LAMP-RIGHT (EXCEPT BASE)
(8W-50-5)
A
WIPER MOTOR-FRONT
(8W-53-4)
4
3
HEADLAMP-LEFT
(8W-50-3)
2
FOG LAMP-LEFT (EXCEPT BASE)
(8W-50-5)
A
Z144
18
BK/OR
Z144
18
BK/OR
S105
(8W-15-2)
FROM
S308
(8W-15-3)
X
Z13
14
BK
14 C217
Z144
18
BK/OR
2 C202
Z2
18
BK/LG
Z316
12
BK/OR
Z21
18
BK/LG
Z12
16
BK/TN
Z44
18
BK/DG
Z247
20
BK/LB
Z248
20
BK
Z141
18
BK/LB
Z13
14
BK
Z10
20
BK/TN
Z144
18
BK/OR
G104

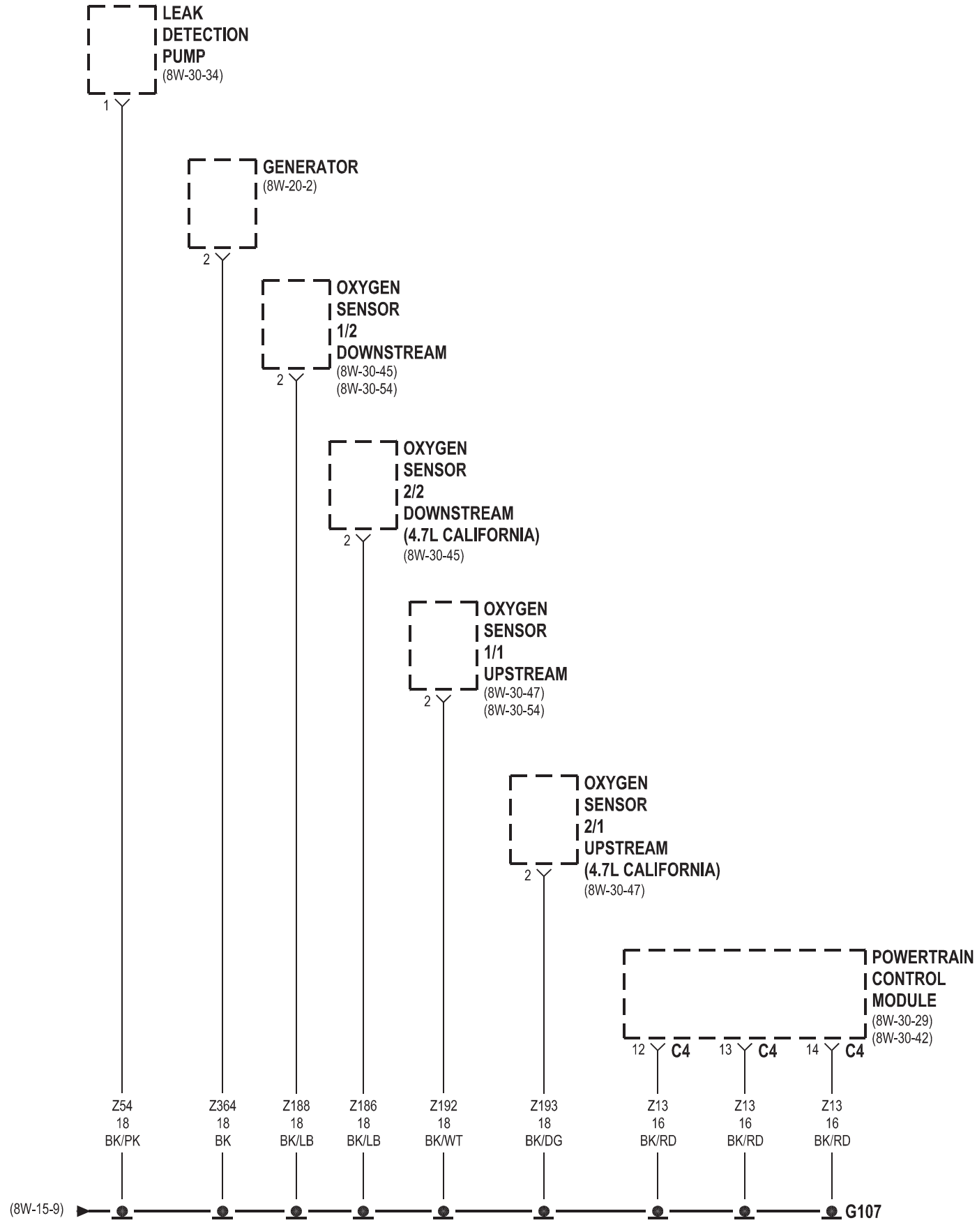

FUEL PUMP MODULE
(8W-30-3)
(8W-30-30)
1
HORN-HIGH NOTE
(8W-41-2)
2
1
TRAILER TOW CONNECTOR
(8W-54-3)
(8W-54-4)
HORN-LOW NOTE
(8W-41-2)
2
8
9
TRAILER TOW CONNECTOR-ADD ON
(8W-54-4)
CONDENSER FAN
(8W-42-10)
1
Z211 18 BK
Z52 14 BK
Z52 14 BK
Z52 14 BK
S309
RED BRAKE WARNING INDICATOR SWITCH
(8W-34-2)
(8W-35-2)
2
Z52 14 BK
PARK/TURN SIGNAL LAMP-LEFT FRONT
(8W-50-4)
(8W-52-3)
3
4
ELECTRIC BRAKE PROVISION
(8W-54-5)
7
C217
UNDERHOOD LAMP
(8W-44-3)
2
Z255 18 DG/BK
Z52 14 BK
Z307 18 BK/WT
Z308 18 BK/BR
Z212 16 LG/BK
Z231 20 BK/DG
Z148 18 DB/BK
Z308 18 BK/BR
G104

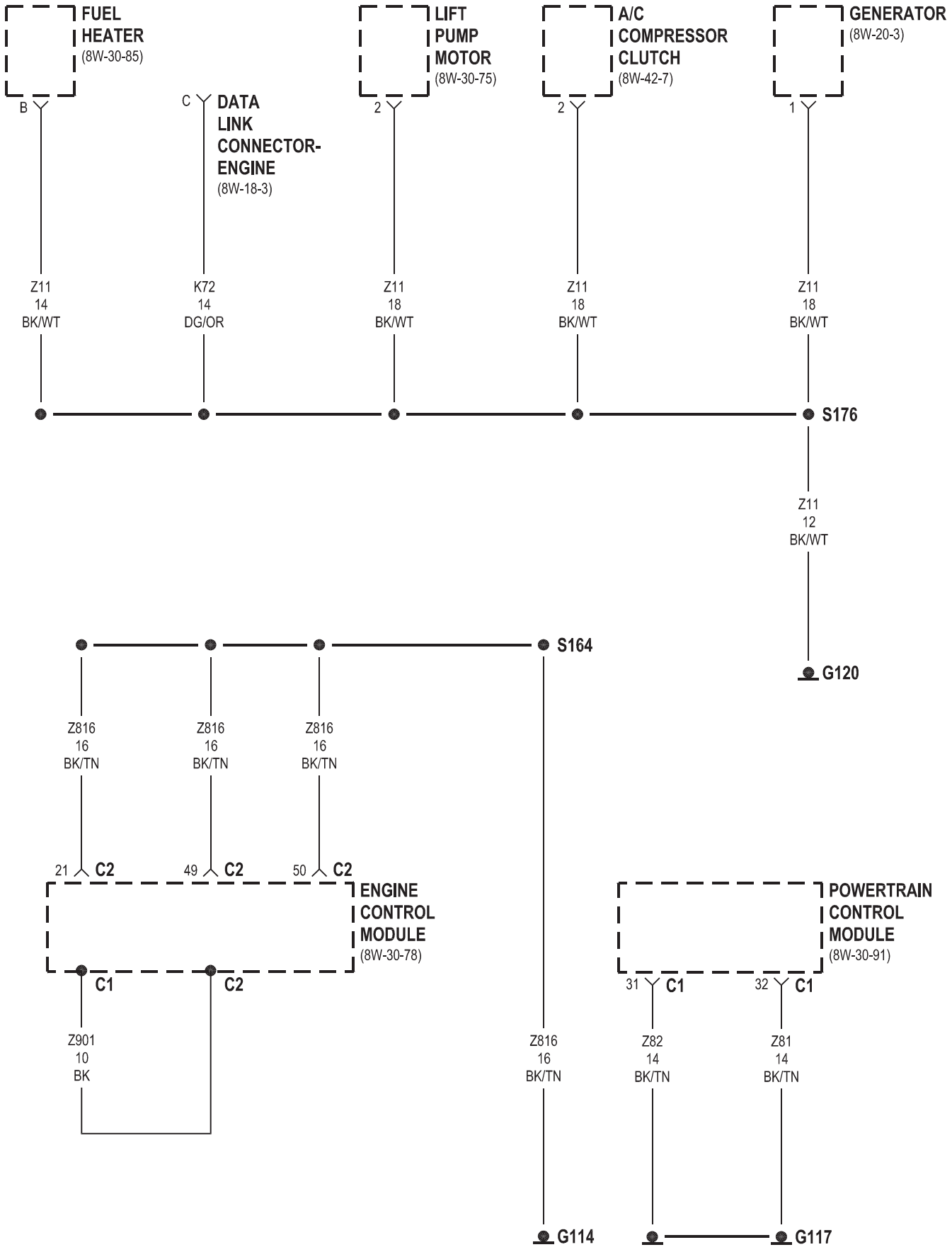

HEADLAMP-RIGHT
(8W-50-3)
2
INTAKE AIR HEATER RELAY NO. 1 (DIESEL)
(8W-30-81)
INTAKE AIR HEATER RELAY NO. 2 (DIESEL)
(8W-30-81)
VACUUM PUMP (DIESEL)
(8W-30-86)
1
Z11
18
BK/WT
4
C100
PARK/ TURN SIGNAL LAMP-RIGHT FRONT
(8W-50-4)
(8W-52-3)
3
WASHER PUMP MOTOR-FRONT (EXCEPT DIESEL/8.0L)
(8W-53-4)
1
Z142
18
BK/LG
Z367
18
BK
Z368
18
BK
Z11
18
BK/WT
Z147
18
BK/LB
Z216
20
BK/VT
S101
BATTERY (GAS)
(8W-20-2)
BATTERY (DIESEL)
(8W-20-2)
(8W-20-3)
AUXILIARY BATTERY (DIESEL)
(8W-20-3)
Z147
16
BK/LB
Z342
6
BK
Z341
6
BK
Z0
6
BK
Z342
8
BK
Z341
0
BK
Z0
10
BK
Z0
0
BK
Z0
8
BK
G105
G100
G101
G102
G100
G101
G102
G108
G109

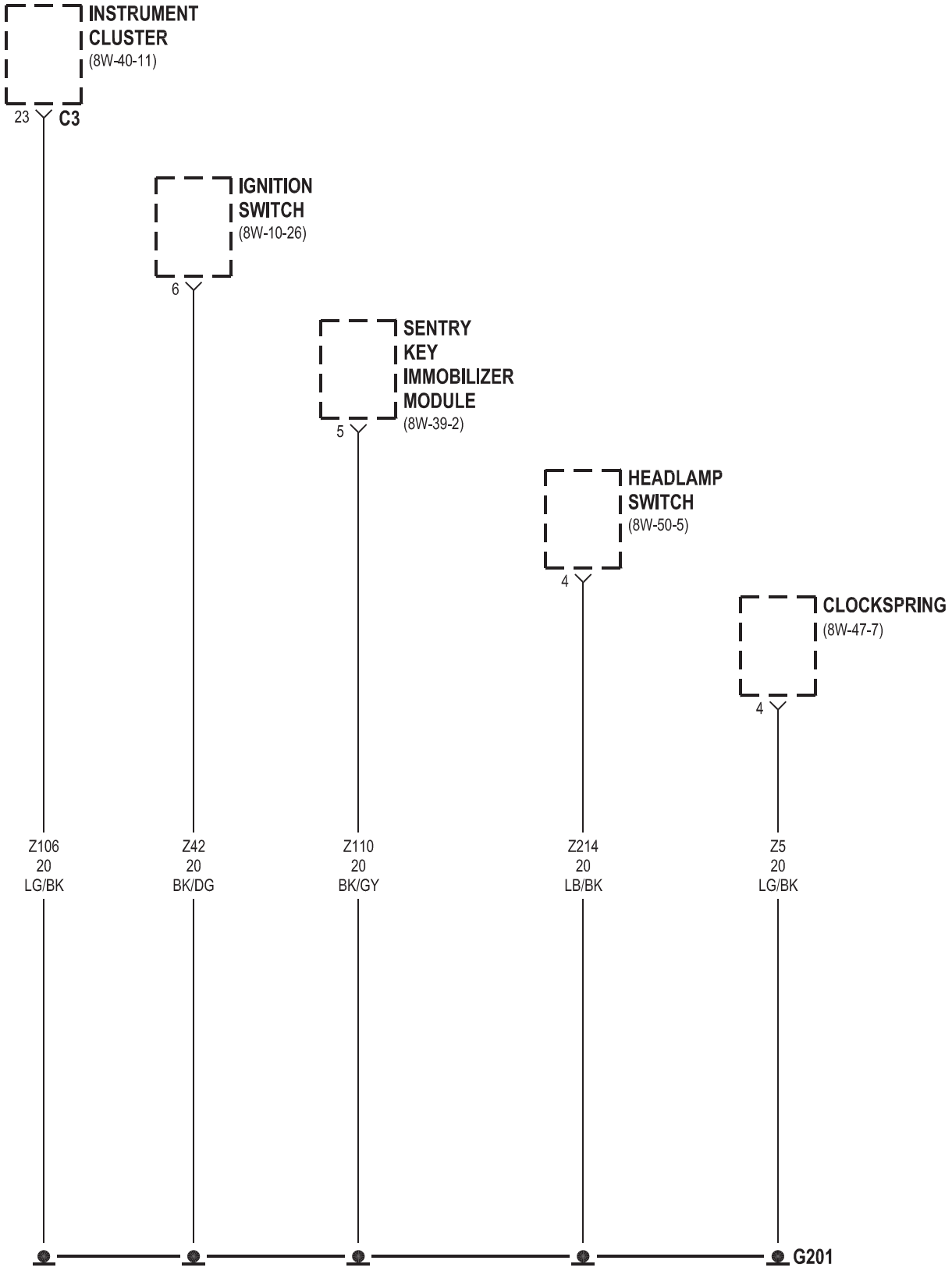


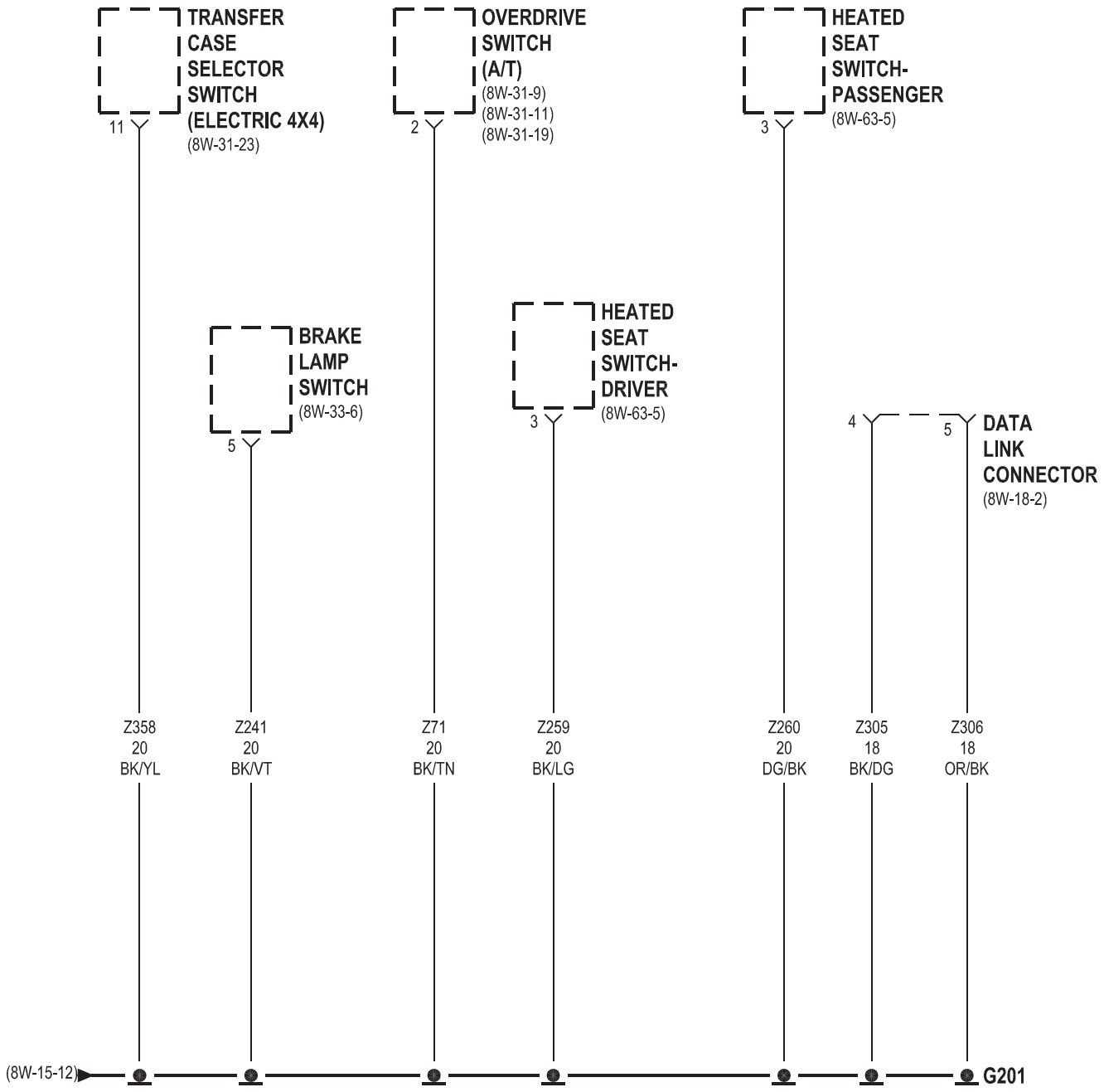
△ 3.7L/5.9L/8.0L
△△ 4.7L/5.7L

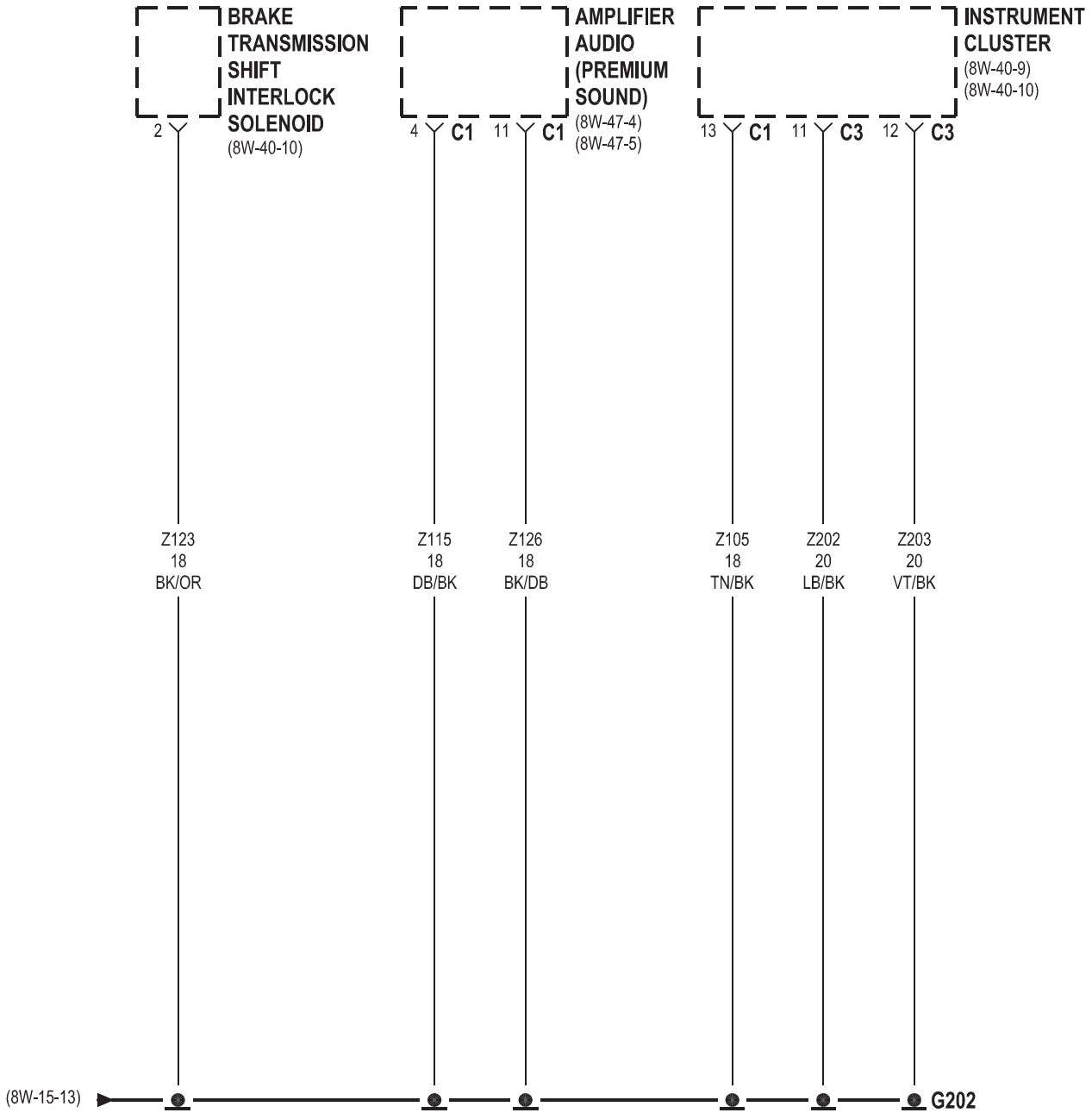

OXYGEN SENSOR 2/2 DOWNSTREAM (5.9L CALIFORNIA) (8.0L)
(8W-30-16)
2
OXYGEN SENSOR 1/2 DOWNSTREAM (5.9L CALIFORNIA) (8.0L)
(8W-30-16)
2
POWER STEERING PRESSURE SWITCH (3.7L/4.7L/5.7L)
(8W-30-24)
(8W-30-34)
1
A/C COMPRESSOR CLUTCH
(8W-42-7)
2
8.0L
5.9L
Z192
18
RD
S183
Z192
18
BK/WT
Z193
18
BK/WT
Z244
20
BK/DG
Z359
18
BK/BR
(8W-15-8)
G107

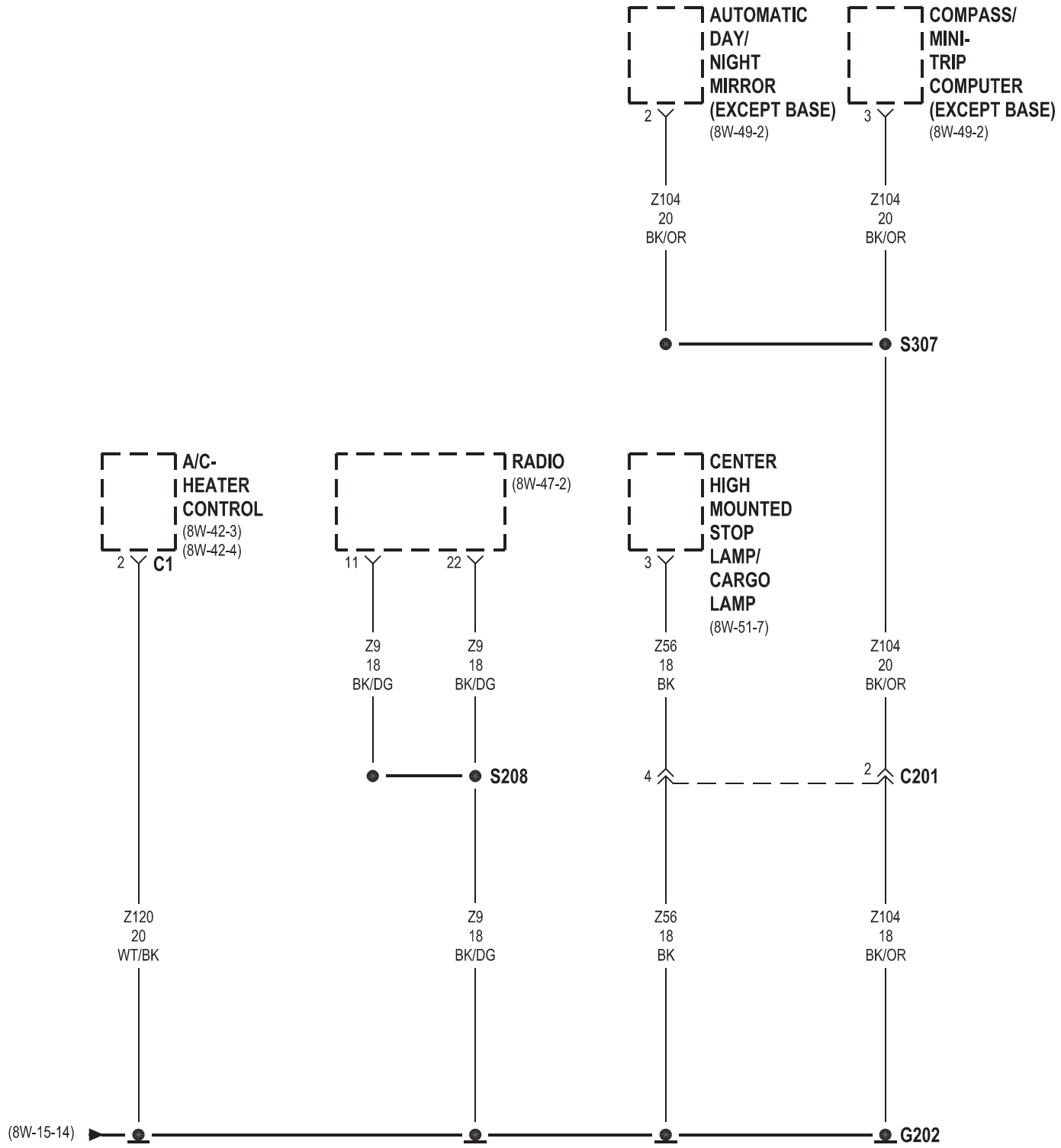

LEAK DETECTION PUMP
(8W-30-34)
1
GENERATOR
(8W-20-2)
2
OXYGEN SENSOR 1/2 DOWNSTREAM
(8W-30-45)
(8W-30-54)
2
OXYGEN SENSOR 2/2 DOWNSTREAM (4.7L CALIFORNIA)
(8W-30-45)
2
OXYGEN SENSOR 1/1 UPSTREAM
(8W-30-47)
(8W-30-54)
2
OXYGEN SENSOR 2/1 UPSTREAM (4.7L CALIFORNIA)
(8W-30-47)
2
POWERTRAIN CONTROL MODULE
(8W-30-29)
(8W-30-42)
12 C4
13 C4
14 C4
Z54 18 BK/PK
Z364 18 BK
Z188 18 BK/LB
Z186 18 BK/LB
Z192 18 BK/WT
Z193 18 BK/DG
Z13 16 BK/RD
Z13 16 BK/RD
Z13 16 BK/RD
(8W-15-9)
G107

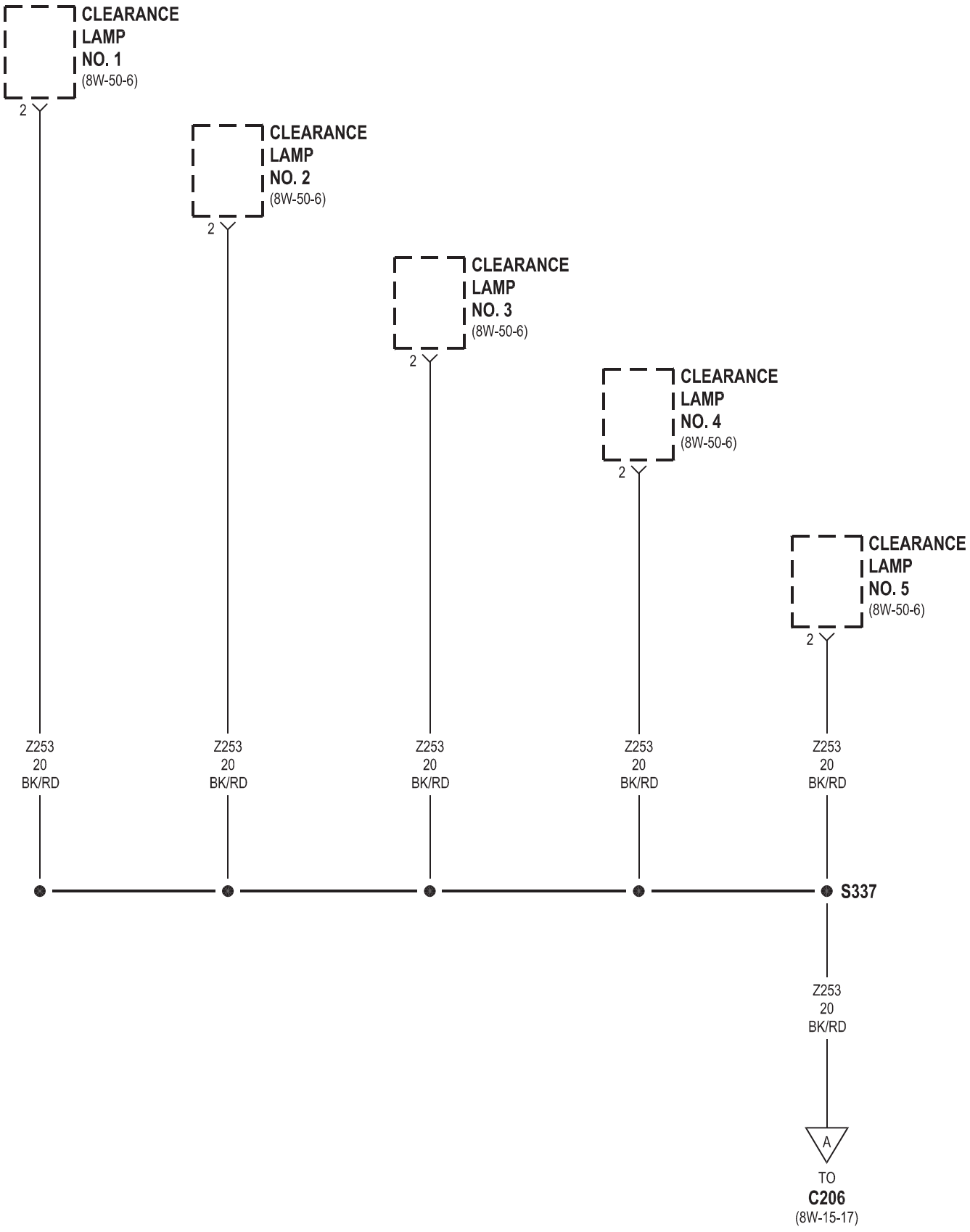

FUEL HEATER
(8W-30-85)
B
C
DATA LINK CONNECTOR-ENGINE
(8W-18-3)
LIFT PUMP MOTOR
(8W-30-75)
2
A/C COMPRESSOR CLUTCH
(8W-42-7)
2
GENERATOR
(8W-20-3)
1
Z11
14
BK/WT
K72
14
DG/OR
Z11
18
BK/WT
Z11
18
BK/WT
Z11
18
BK/WT
S176
Z11
12
BK/WT
G120
S164
Z816
16
BK/TN
Z816
16
BK/TN
Z816
16
BK/TN
21
C2
49
C2
50
C2
ENGINE CONTROL MODULE
(8W-30-78)
C1
C2
Z901
10
BK
Z816
16
BK/TN
G114
POWERTRAIN CONTROL MODULE
(8W-30-91)
31
C1
32
C1
Z82
14
BK/TN
Z81
14
BK/TN
G117

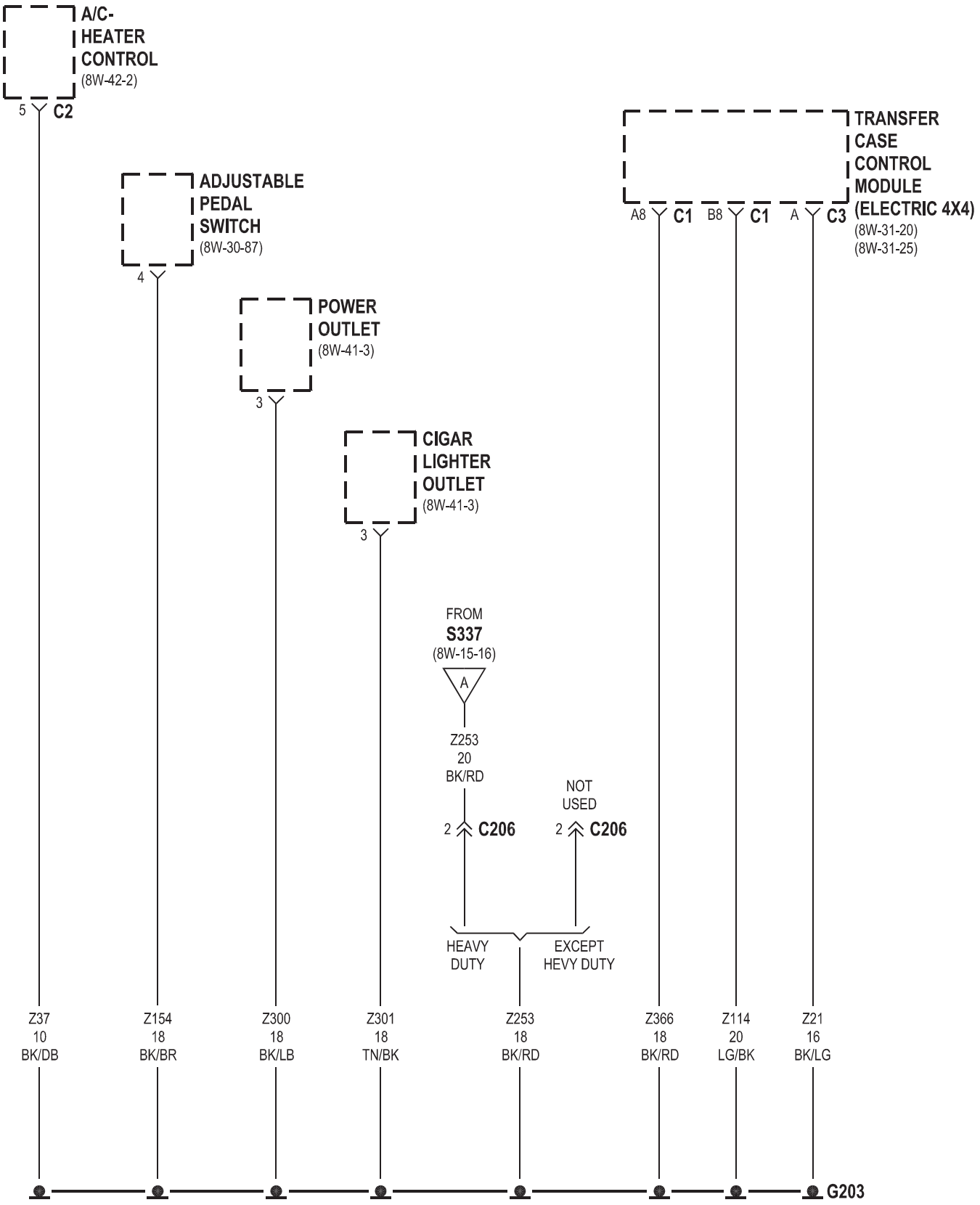

INSTRUMENT CLUSTER
(8W-40-11)
23
C3
IGNITION SWITCH
(8W-10-26)
6
SENTRY KEY IMMOBILIZER MODULE
(8W-39-2)
5
HEADLAMP SWITCH
(8W-50-5)
4
CLOCKSPRING
(8W-47-7)
4
Z106
20
LG/BK
Z42
20
BK/DG
Z110
20
BK/GY
Z214
20
LB/BK
Z5
20
LG/BK
G201

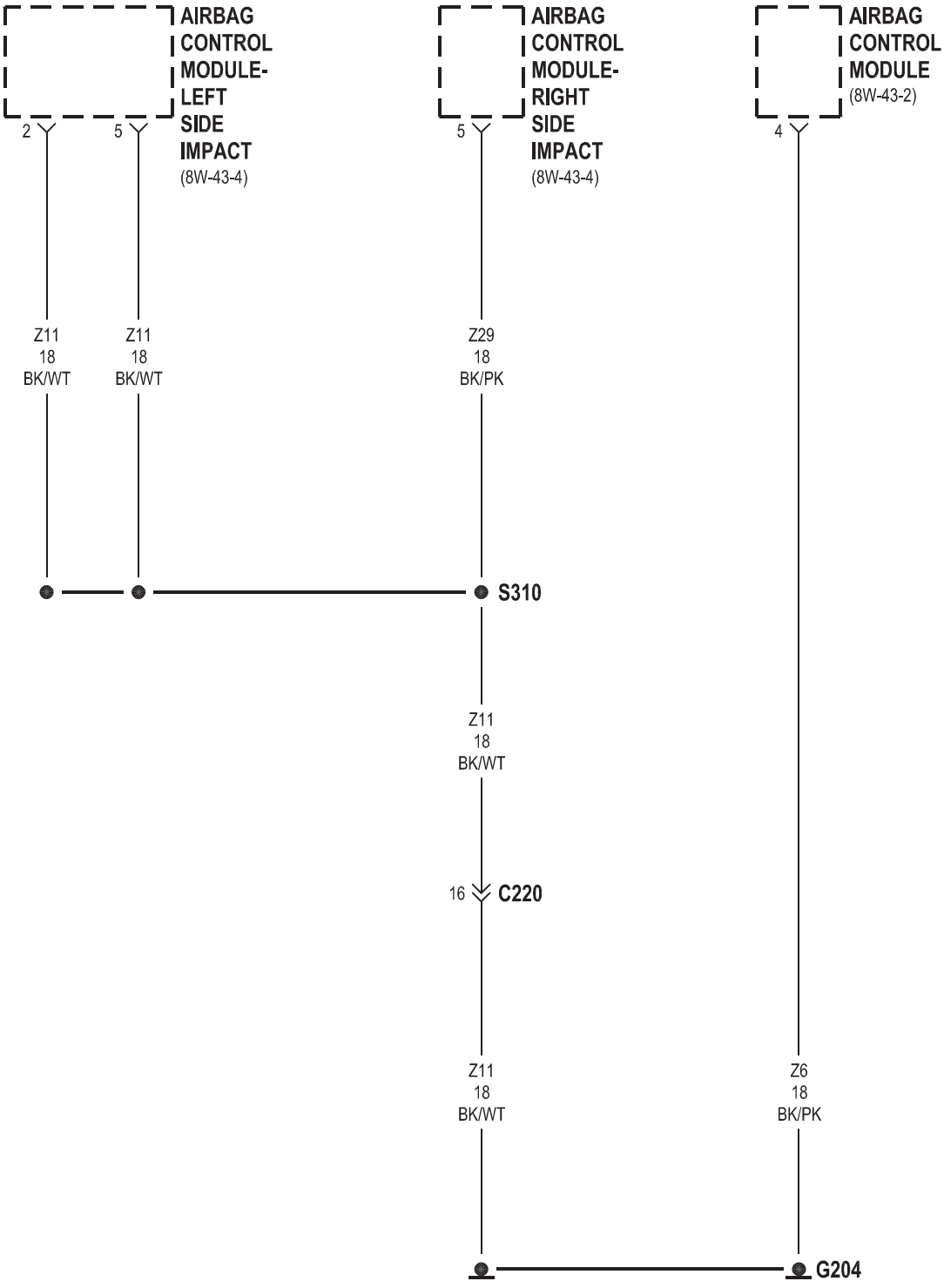

TRANSFER CASE SELECTOR SWITCH (ELECTRIC 4X4)
(8W-31-23)
11
OVERDRIVE SWITCH (A/T)
(8W-31-9)
(8W-31-11)
(8W-31-19)
2
HEATED SEAT SWITCH- PASSENGER
(8W-63-5)
3
BRAKE LAMP SWITCH
(8W-33-6)
5
HEATED SEAT SWITCH- DRIVER
(8W-63-5)
3
4
5
DATA LINK CONNECTOR
(8W-18-2)
Z358 20 BK/YL
Z241 20 BK/VT
Z71 20 BK/TN
Z259 20 BK/LG
Z260 20 DG/BK
Z305 18 BK/DG
Z306 18 OR/BK
(8W-15-12)
G201

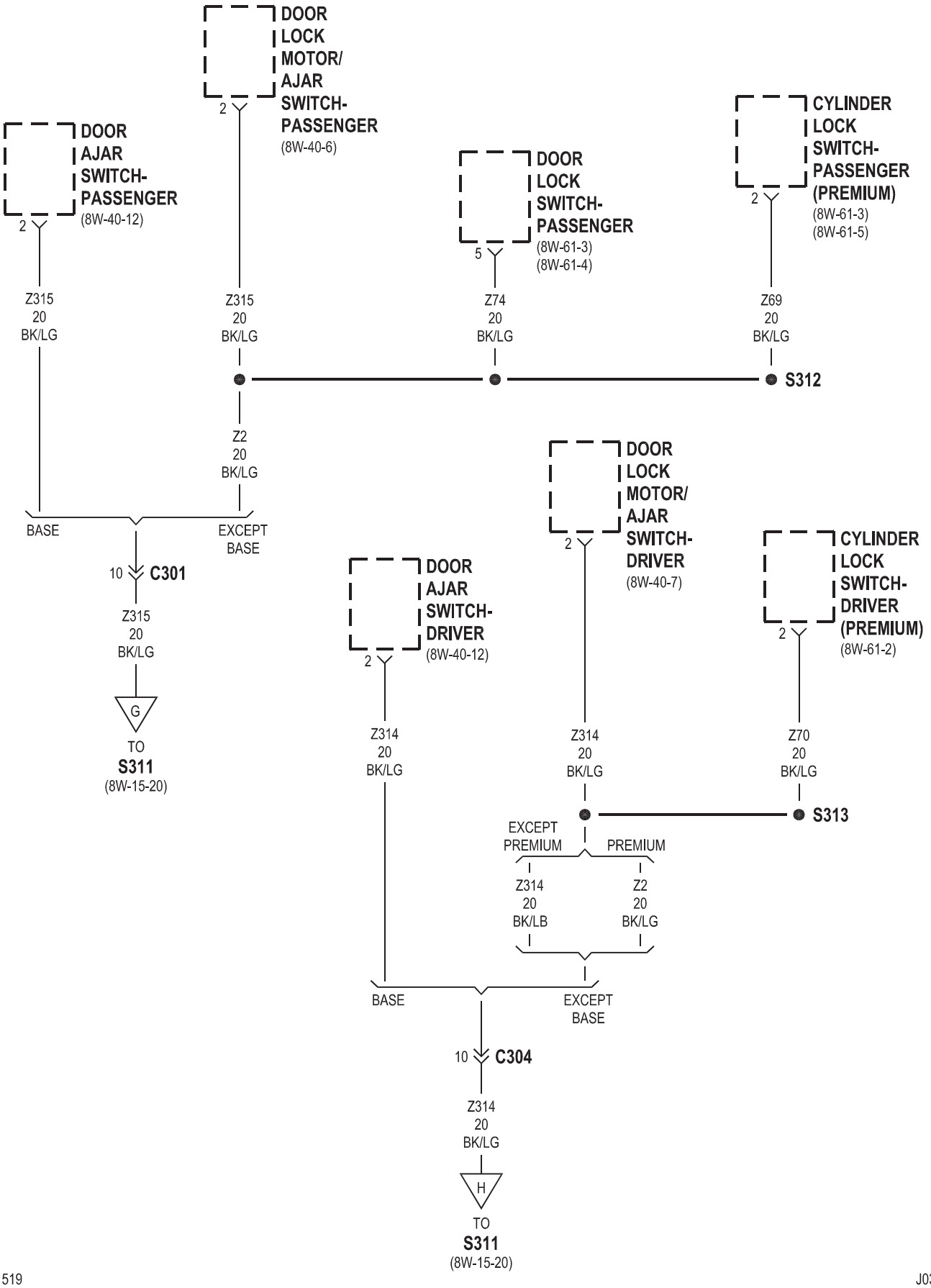

BRAKE TRANSMISSION SHIFT INTERLOCK SOLENOID
(8W-40-10)
2
AMPLIFIER AUDIO (PREMIUM SOUND)
(8W-47-4)
(8W-47-5)
4 C1
11 C1
INSTRUMENT CLUSTER
(8W-40-9)
(8W-40-10)
13 C1
11 C3
12 C3
Z123 18 BK/OR
Z115 18 DB/BK
Z126 18 BK/DB
Z105 18 TN/BK
Z202 20 LB/BK
Z203 20 VT/BK
(8W-15-13)
G202

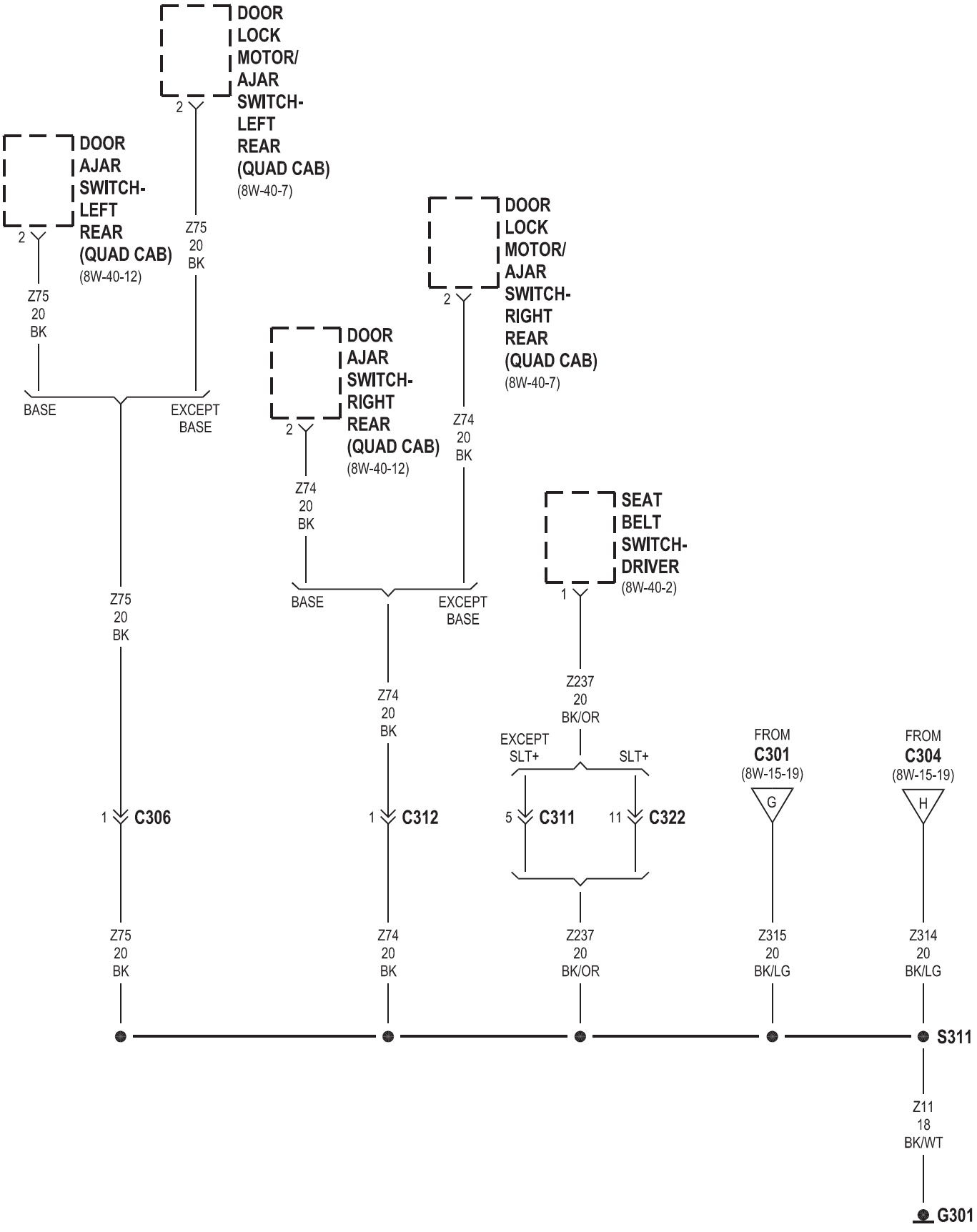

AUTOMATIC DAY/ NIGHT MIRROR (EXCEPT BASE)
(8W-49-2)
COMPASS/ MINI-TRIP COMPUTER (EXCEPT BASE)
(8W-49-2)
2
3
Z104
20
BK/OR
Z104
20
BK/OR
S307
A/C-HEATER CONTROL
(8W-42-3)
(8W-42-4)
RADIO
(8W-47-2)
CENTER HIGH MOUNTED STOP LAMP/ CARGO LAMP
(8W-51-7)
2
C1
11
22
3
Z9
18
BK/DG
Z9
18
BK/DG
Z56
18
BK
Z104
20
BK/OR
S208
4
2
C201
Z120
20
WT/BK
Z9
18
BK/DG
Z56
18
BK
Z104
18
BK/OR
(8W-15-14)
G202


CLEARANCE LAMP NO. 1
(8W-50-6)
2
CLEARANCE LAMP NO. 2
(8W-50-6)
2
CLEARANCE LAMP NO. 3
(8W-50-6)
2
CLEARANCE LAMP NO. 4
(8W-50-6)
2
CLEARANCE LAMP NO. 5
(8W-50-6)
2
Z253
20
BK/RD
Z253
20
BK/RD
Z253
20
BK/RD
Z253
20
BK/RD
Z253
20
BK/RD
S337
Z253
20
BK/RD
A
TO
C206
(8W-15-17)

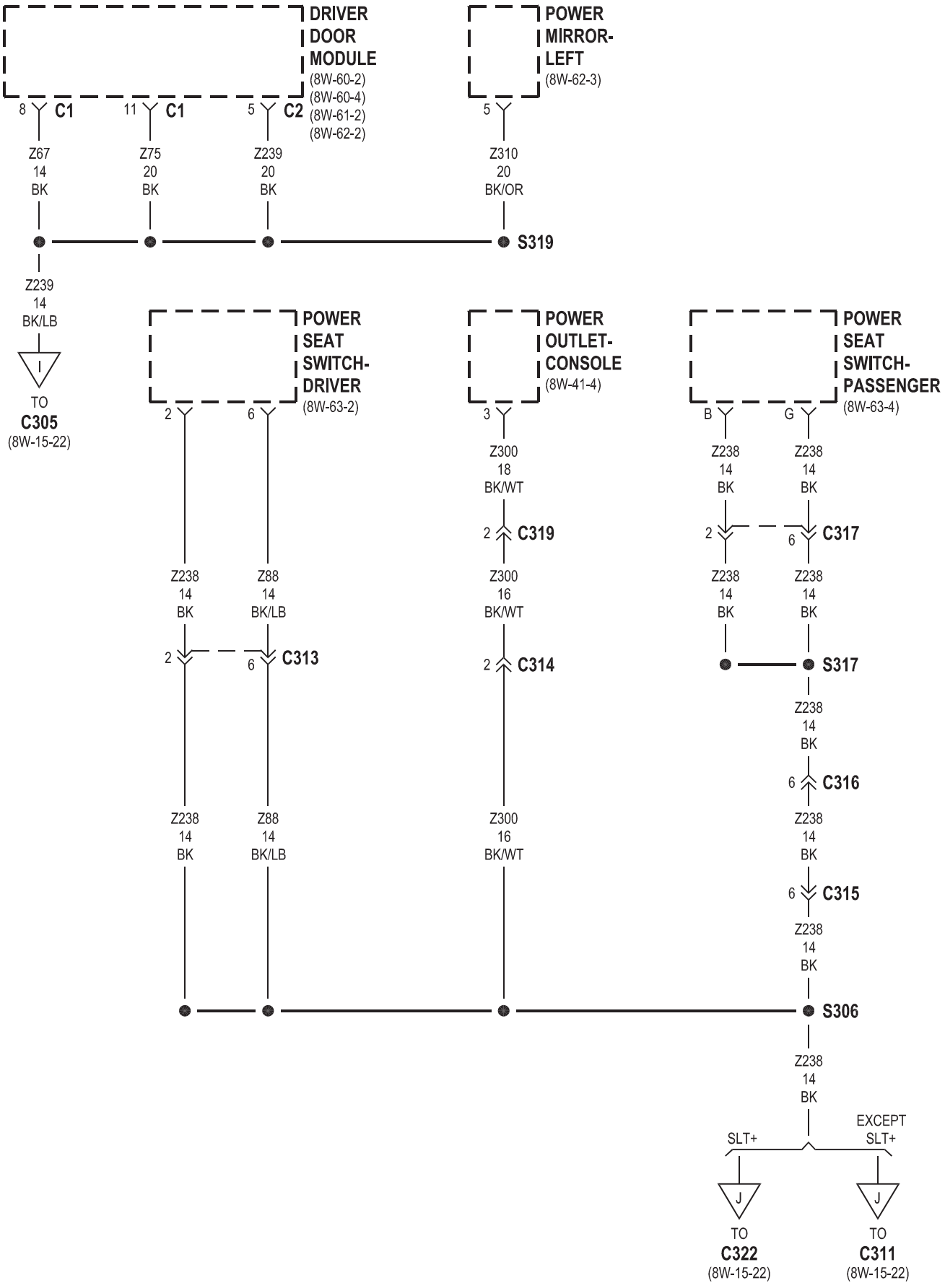

A/C-
HEATER
CONTROL
(8W-42-2)
5
C2
ADJUSTABLE
PEDAL
SWITCH
(8W-30-87)
4
POWER
OUTLET
(8W-41-3)
3
CIGAR
LIGHTER
OUTLET
(8W-41-3)
3
TRANSFER
CASE
CONTROL
MODULE
(ELECTRIC 4X4)
(8W-31-20)
(8W-31-25)
A8
C1
B8
C1
A
C3
FROM
S337
(8W-15-16)
A
Z253
20
BK/RD
2
C206
NOT
USED
2
C206
HEAVY
DUTY
EXCEPT
HEVY DUTY
Z37
10
BK/DB
Z154
18
BK/BR
Z300
18
BK/LB
Z301
18
TN/BK
Z253
18
BK/RD
Z366
18
BK/RD
Z114
20
LG/BK
Z21
16
BK/LG
G203

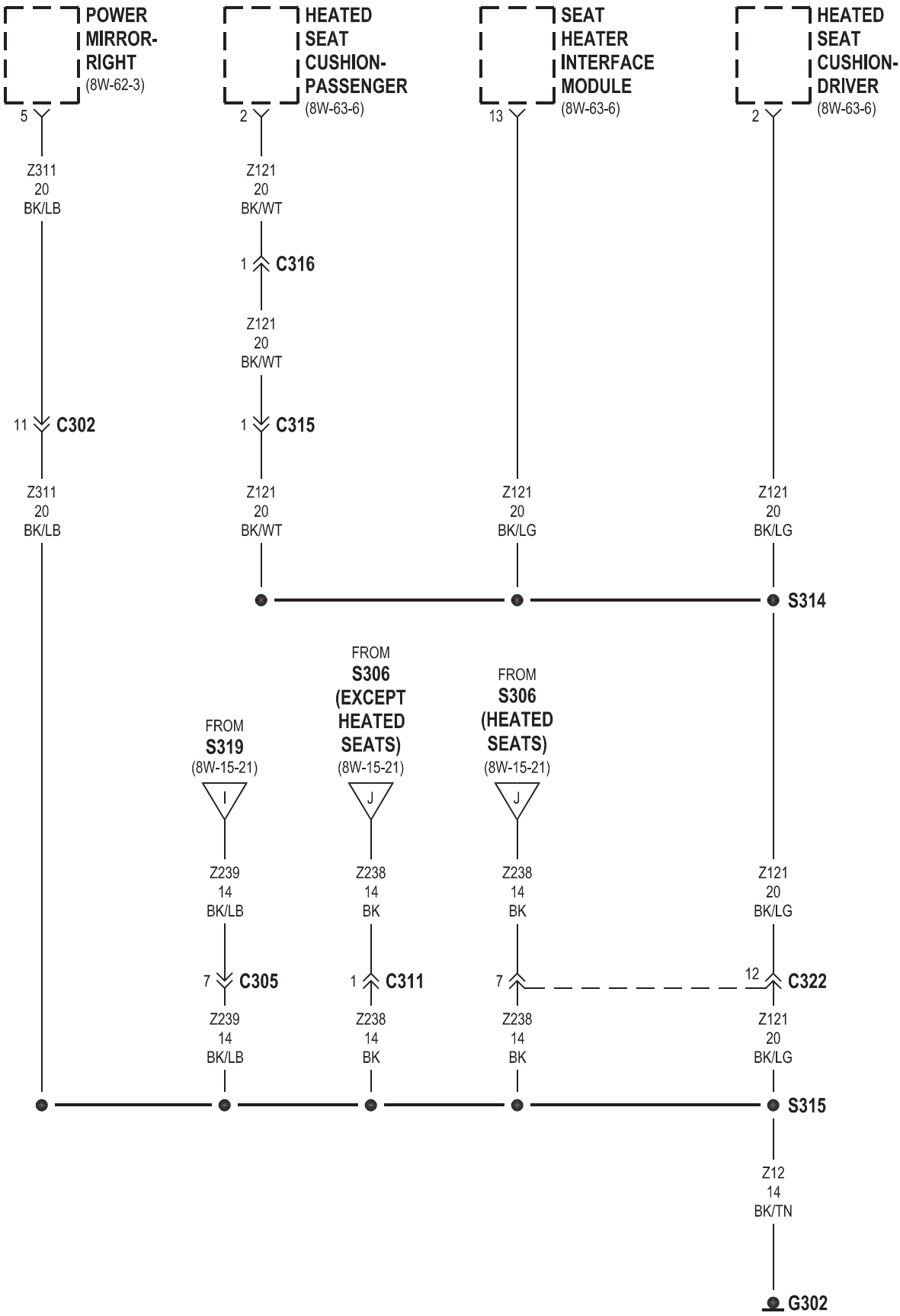

AIRBAG CONTROL MODULE- LEFT SIDE IMPACT
(8W-43-4)
2
5
AIRBAG CONTROL MODULE- RIGHT SIDE IMPACT
(8W-43-4)
5
AIRBAG CONTROL MODULE
(8W-43-2)
4
Z11 18 BK/WT
Z11 18 BK/WT
Z29 18 BK/PK
S310
Z11 18 BK/WT
16
C220
Z11 18 BK/WT
Z6 18 BK/PK
G204


DOOR LOCK MOTOR/ AJAR SWITCH- PASSENGER
(8W-40-6)
2
DOOR AJAR SWITCH- PASSENGER
(8W-40-12)
2
DOOR LOCK SWITCH- PASSENGER
(8W-61-3)
(8W-61-4)
5
CYLINDER LOCK SWITCH- PASSENGER (PREMIUM)
(8W-61-3)
(8W-61-5)
2
Z315 20 BK/LG
Z315 20 BK/LG
Z74 20 BK/LG
Z69 20 BK/LG
S312
Z2 20 BK/LG
BASE
EXCEPT BASE
10
C301
Z315 20 BK/LG
G
TO S311
(8W-15-20)
DOOR LOCK MOTOR/ AJAR SWITCH- DRIVER
(8W-40-7)
2
DOOR AJAR SWITCH- DRIVER
(8W-40-12)
2
CYLINDER LOCK SWITCH- DRIVER (PREMIUM)
(8W-61-2)
2
Z314 20 BK/LG
Z314 20 BK/LG
Z70 20 BK/LG
S313
EXCEPT PREMIUM
PREMIUM
Z314 20 BK/LB
Z2 20 BK/LG
BASE
EXCEPT BASE
10
C304
Z314 20 BK/LG
H
TO S311
(8W-15-20)


DOOR LOCK MOTOR/ AJAR SWITCH- LEFT REAR (QUAD CAB)
(8W-40-7)
DOOR AJAR SWITCH- LEFT REAR (QUAD CAB)
(8W-40-12)
DOOR LOCK MOTOR/ AJAR SWITCH- RIGHT REAR (QUAD CAB)
(8W-40-7)
DOOR AJAR SWITCH- RIGHT REAR (QUAD CAB)
(8W-40-12)
SEAT BELT SWITCH- DRIVER
(8W-40-2)
Z75 20 BK
Z74 20 BK
Z237 20 BK/OR
BASE
EXCEPT BASE
EXCEPT SLT+
SLT+
C306
C312
C311
C322
FROM C301 (8W-15-19)
FROM C304 (8W-15-19)
Z315 20 BK/LG
Z314 20 BK/LG
S311
Z11 18 BK/WT
G301

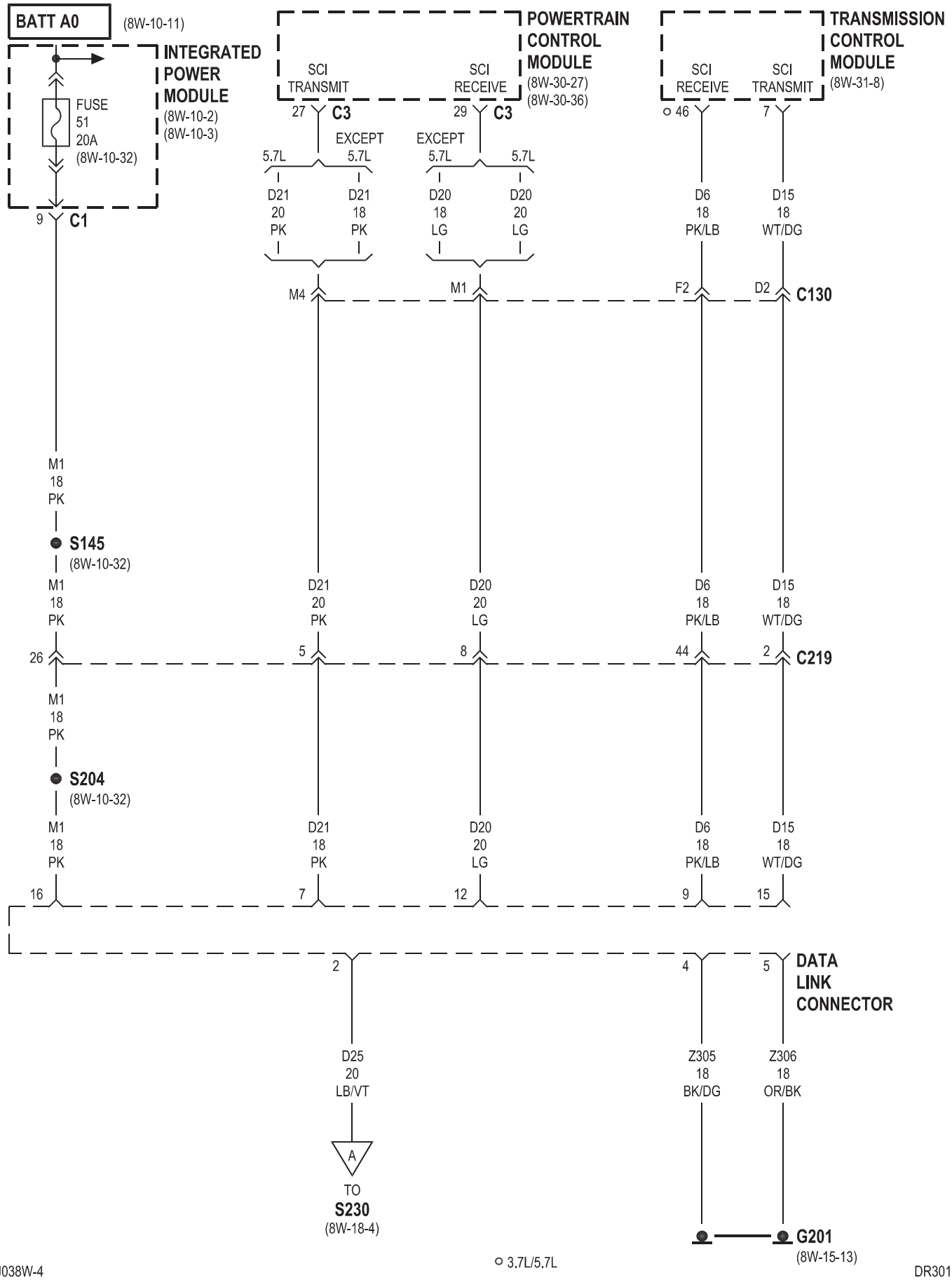
EXCEPT BASE


DRIVER DOOR MODULE
(8W-60-2)
(8W-60-4)
(8W-61-2)
(8W-62-2)
8 C1
11 C1
5 C2
Z67 14 BK
Z75 20 BK
Z239 20 BK
POWER MIRROR-LEFT
(8W-62-3)
5
Z310 20 BK/OR
S319
Z239 14 BK/LB
I
TO C305
(8W-15-22)
POWER SEAT SWITCH-DRIVER
(8W-63-2)
2
6
Z238 14 BK
Z88 14 BK/LB
C313
Z238 14 BK
Z88 14 BK/LB
POWER OUTLET-CONSOLE
(8W-41-4)
3
Z300 18 BK/WT
C319
Z300 16 BK/WT
C314
Z300 16 BK/WT
POWER SEAT SWITCH-PASSENGER
(8W-63-4)
B
G
Z238 14 BK
Z238 14 BK
C317
Z238 14 BK
Z238 14 BK
S317
Z238 14 BK
C316
Z238 14 BK
C315
Z238 14 BK
S306
Z238 14 BK
SLT+
EXCEPT SLT+
J
J
TO C322
(8W-15-22)
TO C311
(8W-15-22)

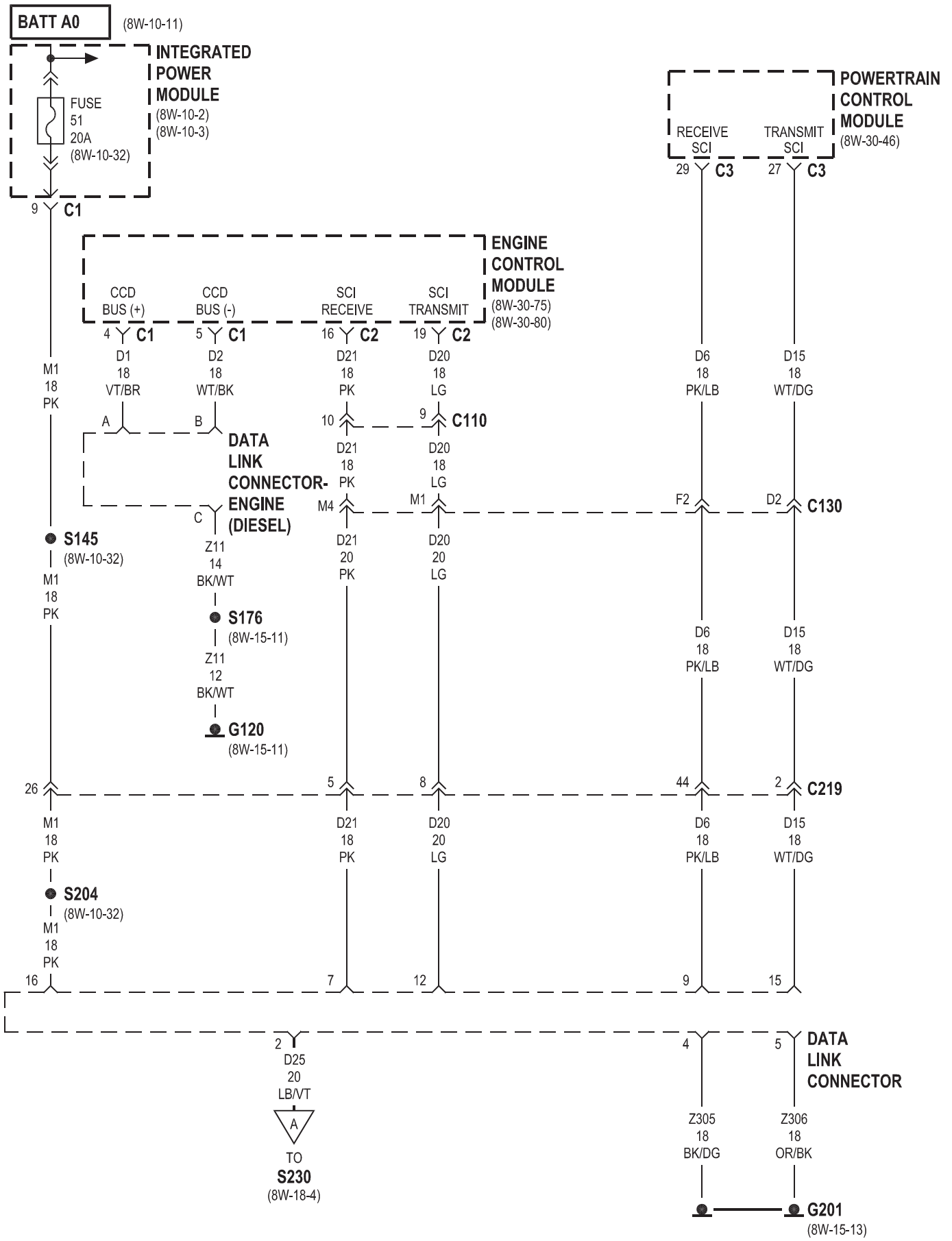

POWER MIRROR-RIGHT
(8W-62-3)
HEATED SEAT CUSHION-PASSENGER
(8W-63-6)
SEAT HEATER INTERFACE MODULE
(8W-63-6)
HEATED SEAT CUSHION-DRIVER
(8W-63-6)
5
2
13
2
Z311 20 BK/LB
Z121 20 BK/WT
1 C316
Z121 20 BK/WT
11 C302
1 C315
Z311 20 BK/LB
Z121 20 BK/WT
Z121 20 BK/LG
Z121 20 BK/LG
S314
FROM S319 (8W-15-21)
FROM S306 (EXCEPT HEATED SEATS) (8W-15-21)
FROM S306 (HEATED SEATS) (8W-15-21)
I
J
J
Z239 14 BK/LB
Z238 14 BK
Z238 14 BK
Z121 20 BK/LG
7 C305
1 C311
7
12 C322
Z239 14 BK/LB
Z238 14 BK
Z238 14 BK
Z121 20 BK/LG
S315
Z12 14 BK/TN
G302

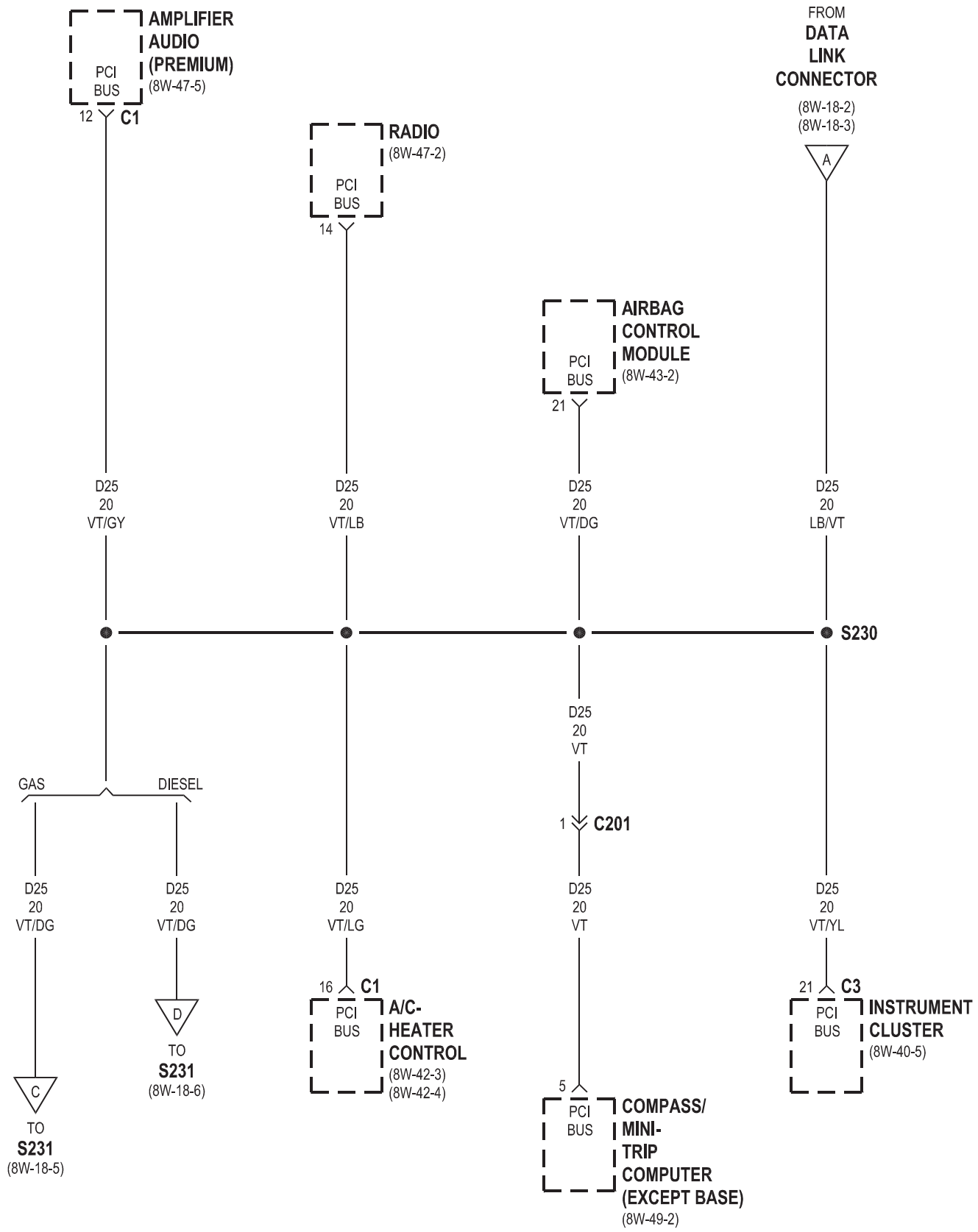
8W-18 BUS COMMUNICATIONS

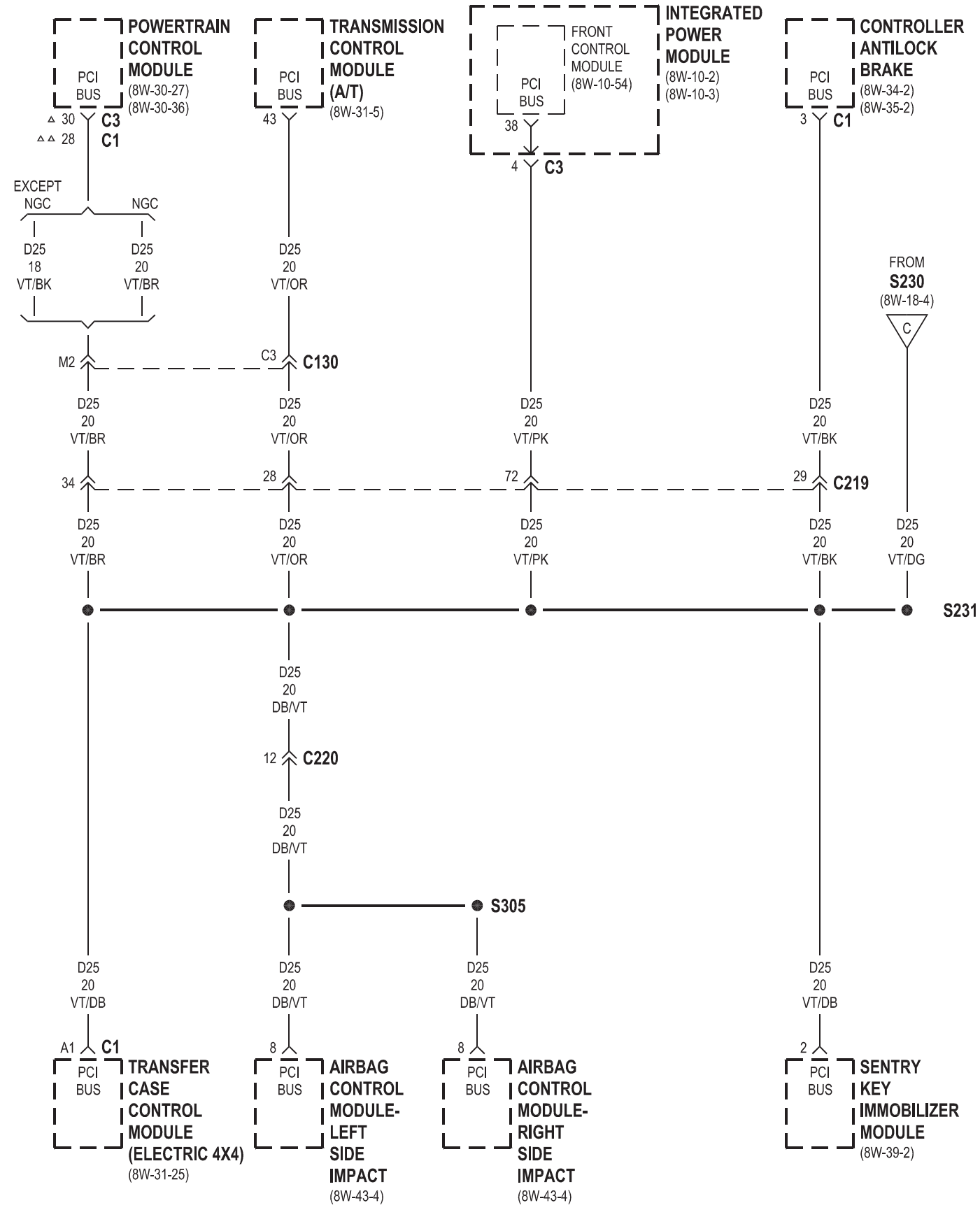
Component	Page
A/C-Heater Control	8W-18-4
Airbag Control Module	8W-18-4
Airbag Control Module-Left Side Impact	8W-18-5, 6
Airbag Control Module-Right Side Impact	8W-18-5, 6
Amplifier Audio	8W-18-4
Compass/Mini-Trip Computer	8W-18-4
Controller Antilock Brake	8W-18-5, 6
Data Link Connector	8W-18-2, 3, 4
Data Link Connector-Engine	8W-18-3
Engine Control Module	8W-18-3
Front Control Module	8W-18-5, 6
Fuse 51	8W-18-2, 3
G120	8W-18-3
G201	8W-18-2, 3
Instrument Cluster	8W-18-4
Integrated Power Module	8W-18-2, 3, 5, 6
Powertrain Control Module	8W-18-2, 3, 5, 6
Radio	8W-18-4
Sentry Key Immobilizer Module	8W-18-5, 6
Transfer Case Control Module	8W-18-5, 6
Transmission Control Module	8W-18-2, 5


BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 51 20A
(8W-10-32)
9 C1
POWERTRAIN CONTROL MODULE
(8W-30-27)
(8W-30-36)
SCI TRANSMIT
SCI RECEIVE
27 C3
29 C3
EXCEPT 5.7L
5.7L
5.7L
5.7L
D21 20 PK
D21 18 PK
D20 18 LG
D20 20 LG
M4
M1
TRANSMISSION CONTROL MODULE
(8W-31-8)
SCI RECEIVE
SCI TRANSMIT
46
7
D6 18 PK/LB
D15 18 WT/DG
F2
D2
C130
M1 18 PK
S145
(8W-10-32)
M1 18 PK
D21 20 PK
D20 20 LG
D6 18 PK/LB
D15 18 WT/DG
26
5
8
44
2
C219
M1 18 PK
S204
(8W-10-32)
M1 18 PK
D21 18 PK
D20 20 LG
D6 18 PK/LB
D15 18 WT/DG
16
7
12
9
15
2
4
5
DATA LINK CONNECTOR
D25 20 LB/VT
Z305 18 BK/DG
Z306 18 OR/BK
A
TO S230
(8W-18-4)
G201
(8W-15-13)

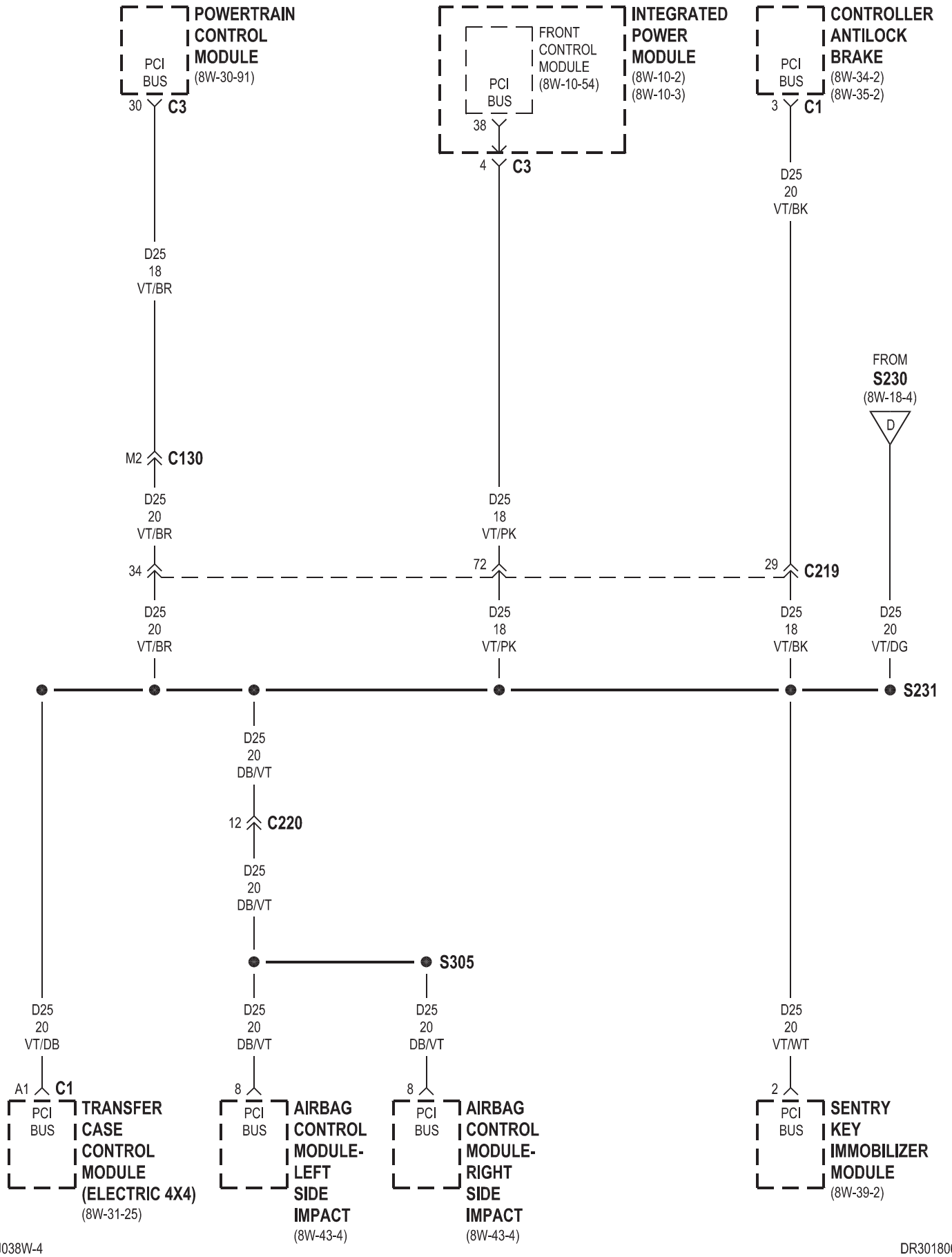
○ 3.7L/5.7L


BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 51 20A
(8W-10-32)
9 C1
ENGINE CONTROL MODULE
(8W-30-75)
(8W-30-80)
CCD BUS (+)
CCD BUS (-)
SCI RECEIVE
SCI TRANSMIT
4 C1
5 C1
16 C2
19 C2
D1 18 VT/BR
D2 18 WT/BK
D21 18 PK
D20 18 LG
M1 18 PK
A
B
10
9 C110
DATA LINK CONNECTOR-ENGINE (DIESEL)
C
M4
M1
F2
D2 C130
S145
(8W-10-32)
Z11 14 BK/WT
S176
(8W-15-11)
Z11 12 BK/WT
G120
(8W-15-11)
D21 20 PK
D20 20 LG
D6 18 PK/LB
D15 18 WT/DG
POWERTRAIN CONTROL MODULE
(8W-30-46)
RECEIVE SCI
TRANSMIT SCI
29 C3
27 C3
26
5
8
44
2 C219
S204
(8W-10-32)
16
7
12
9
15
2 D25 20 LB/VT
A
TO S230
(8W-18-4)
4
5
DATA LINK CONNECTOR
Z305 18 BK/DG
Z306 18 OR/BK
G201
(8W-15-13)


AMPLIFIER AUDIO (PREMIUM)
(8W-47-5)
PCI BUS
12
C1
RADIO
(8W-47-2)
PCI BUS
14
AIRBAG CONTROL MODULE
(8W-43-2)
PCI BUS
21
FROM DATA LINK CONNECTOR
(8W-18-2)
(8W-18-3)
A
D25 20 VT/GY
D25 20 VT/LB
D25 20 VT/DG
D25 20 LB/VT
S230
GAS
DIESEL
D25 20 VT/DG
D25 20 VT/DG
D25 20 VT/LG
D25 20 VT
D25 20 VT/YL
1
C201
16
C1
PCI BUS
A/C-HEATER CONTROL
(8W-42-3)
(8W-42-4)
21
C3
PCI BUS
INSTRUMENT CLUSTER
(8W-40-5)
D
TO S231
(8W-18-6)
C
TO S231
(8W-18-5)
5
PCI BUS
COMPASS/ MINI-TRIP COMPUTER (EXCEPT BASE)
(8W-49-2)

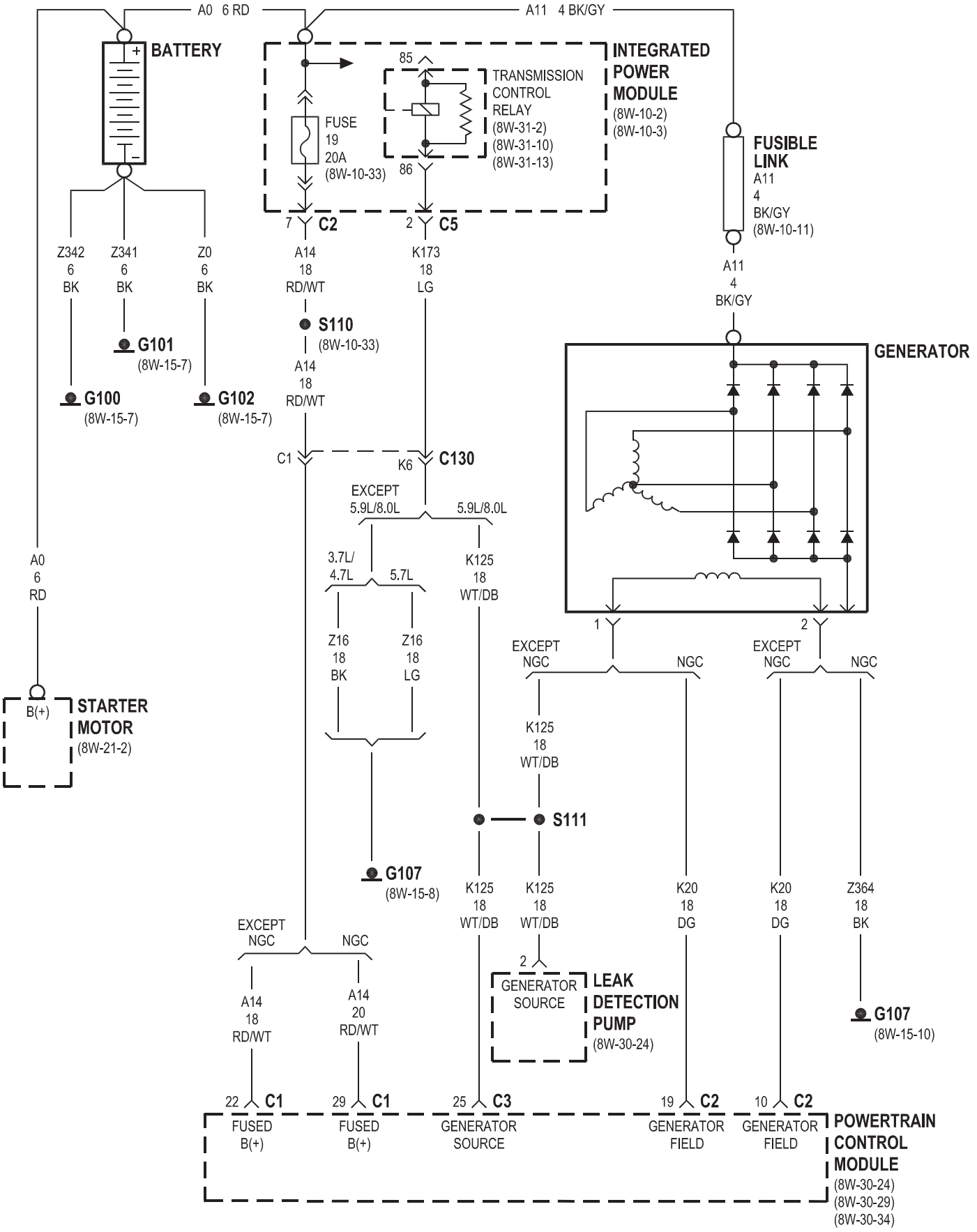


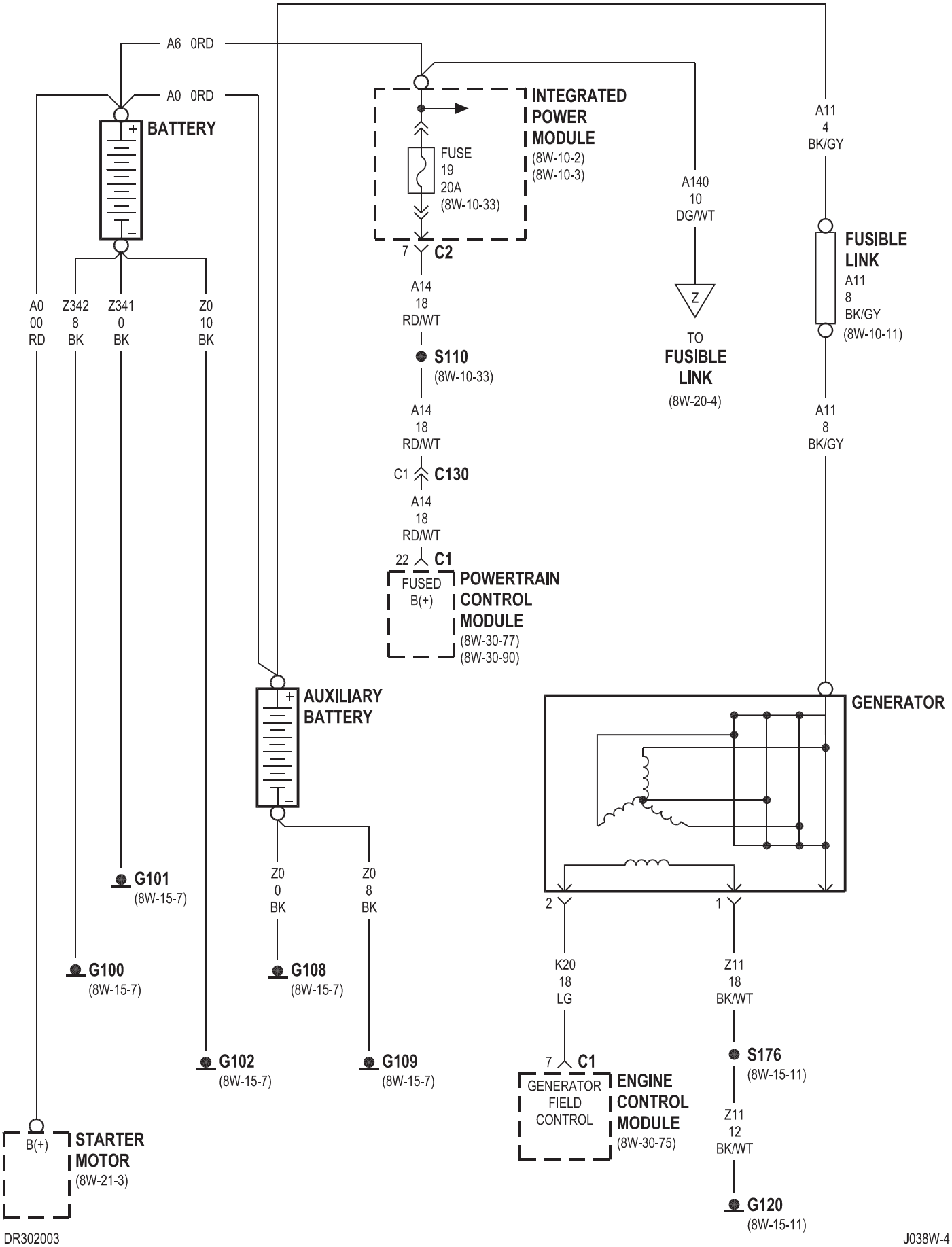
△ EXCEPT NGC
△△ NGC

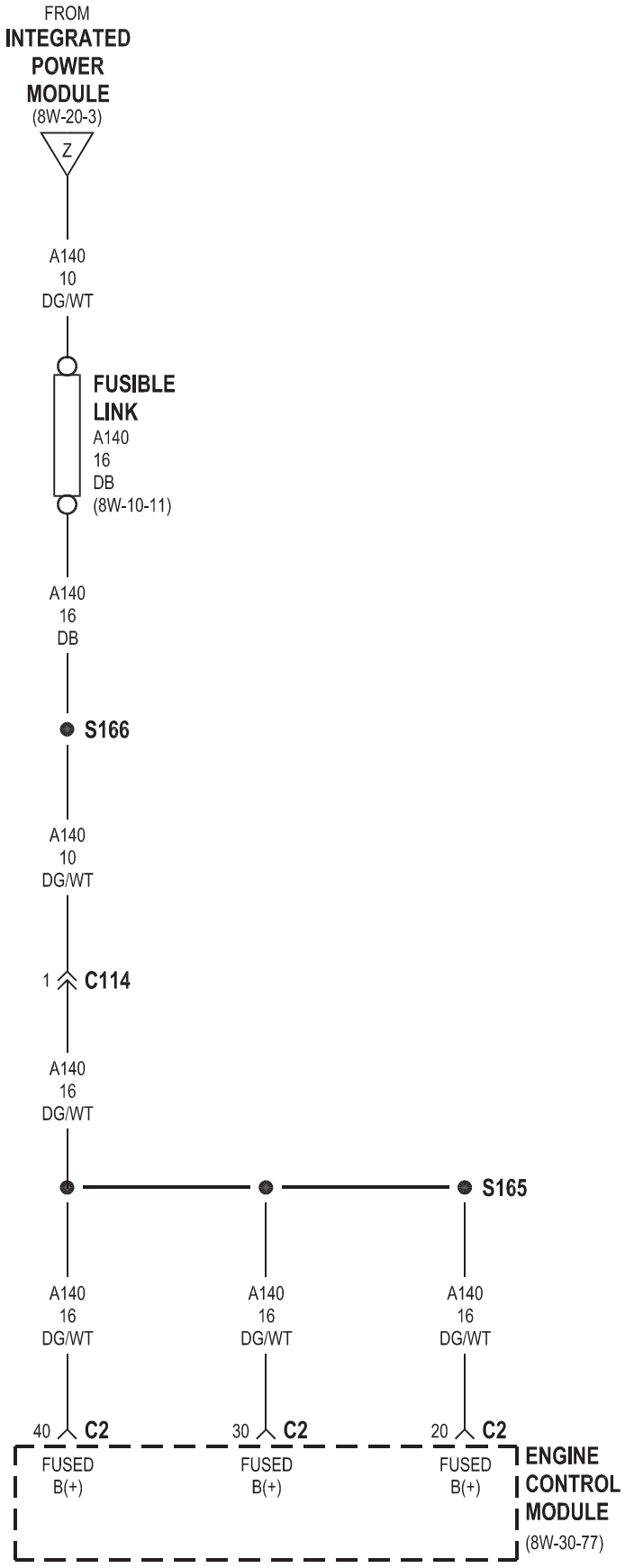

POWERTRAIN CONTROL MODULE
(8W-30-91)
PCI BUS
30
C3
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
(8W-10-54)
PCI BUS
38
4
C3
CONTROLLER ANTILOCK BRAKE
(8W-34-2)
(8W-35-2)
PCI BUS
3
C1
D25
20
VT/BK
D25
18
VT/BR
FROM
S230
(8W-18-4)
D
M2
C130
D25
20
VT/BR
D25
18
VT/PK
34
72
29
C219
D25
20
VT/BR
D25
18
VT/PK
D25
18
VT/BK
D25
20
VT/DG
S231
D25
20
DB/VT
12
C220
D25
20
DB/VT
S305
D25
20
VT/DB
D25
20
DB/VT
D25
20
DB/VT
D25
20
VT/WT
A1
C1
8
8
2
PCI BUS
TRANSFER CASE CONTROL MODULE (ELECTRIC 4X4)
(8W-31-25)
AIRBAG CONTROL MODULE-LEFT SIDE IMPACT
(8W-43-4)
AIRBAG CONTROL MODULE-RIGHT SIDE IMPACT
(8W-43-4)
SENTRY KEY IMMOBILIZER MODULE
(8W-39-2)

8W-20 CHARGING SYSTEM

Component	Page
Auxiliary Battery	8W-20-3
Battery	8W-20-2, 3
Engine Control Module	8W-20-3, 4
Fuse 19	8W-20-2, 3
Fusible Link	8W-20-2, 3, 4
G100	8W-20-2, 3
G101	8W-20-2, 3
G102	8W-20-2, 3
G107	8W-20-2
G108	8W-20-3
G109	8W-20-3
G120	8W-20-3
Generator	8W-20-2, 3
Integrated Power Module	8W-20-2, 3, 4
Leak Detection Pump	8W-20-2
Powertrain Control Module	8W-20-2, 3
Starter Motor	8W-20-2, 3
Transmission Control Relay	8W-20-2

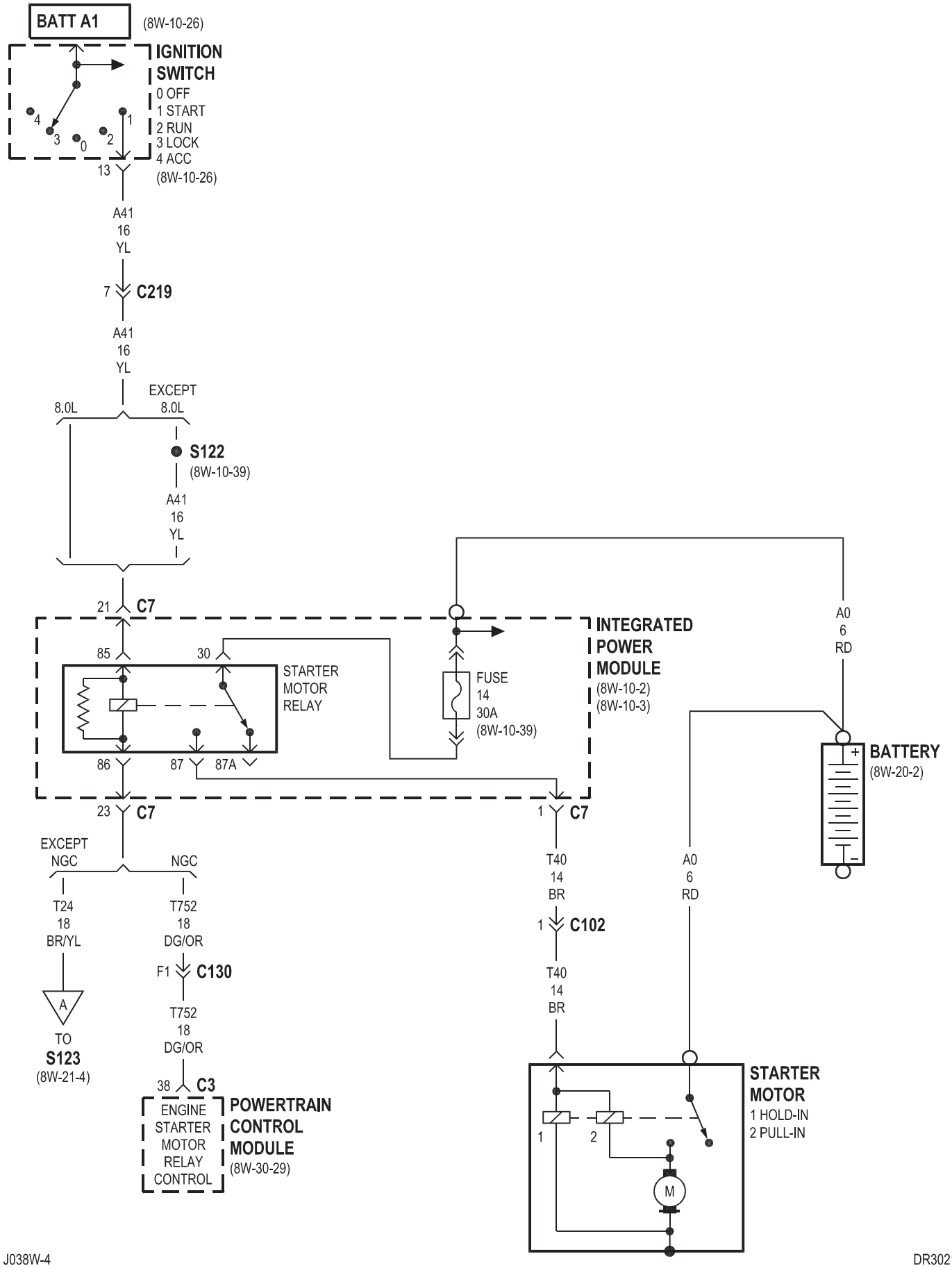

A0 6 RD
A11 4 BK/GY
BATTERY
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
85
TRANSMISSION CONTROL RELAY
(8W-31-2)
(8W-31-10)
(8W-31-13)
FUSE 19 20A
(8W-10-33)
86
FUSIBLE LINK A11 4 BK/GY
(8W-10-11)
7 C2
2 C5
Z342 6 BK
Z341 6 BK
Z0 6 BK
A14 18 RD/WT
K173 18 LG
A11 4 BK/GY
S110
(8W-10-33)
G101
(8W-15-7)
G100
(8W-15-7)
G102
(8W-15-7)
A14 18 RD/WT
GENERATOR
C1
K6 C130
EXCEPT 5.9L/8.0L
5.9L/8.0L
3.7L/ 4.7L
5.7L
K125 18 WT/DB
A0 6 RD
Z16 18 BK
Z16 18 LG
1
2
EXCEPT NGC
NGC
EXCEPT NGC
NGC
B(+)
STARTER MOTOR
(8W-21-2)
K125 18 WT/DB
S111
G107
(8W-15-8)
K125 18 WT/DB
K125 18 WT/DB
K20 18 DG
K20 18 DG
Z364 18 BK
EXCEPT NGC
NGC
2
GENERATOR SOURCE
LEAK DETECTION PUMP
(8W-30-24)
G107
(8W-15-10)
A14 18 RD/WT
A14 20 RD/WT
22 C1
29 C1
25 C3
19 C2
10 C2
FUSED B(+)
FUSED B(+)
GENERATOR SOURCE
GENERATOR FIELD
GENERATOR FIELD
POWERTRAIN CONTROL MODULE
(8W-30-24)
(8W-30-29)
(8W-30-34)

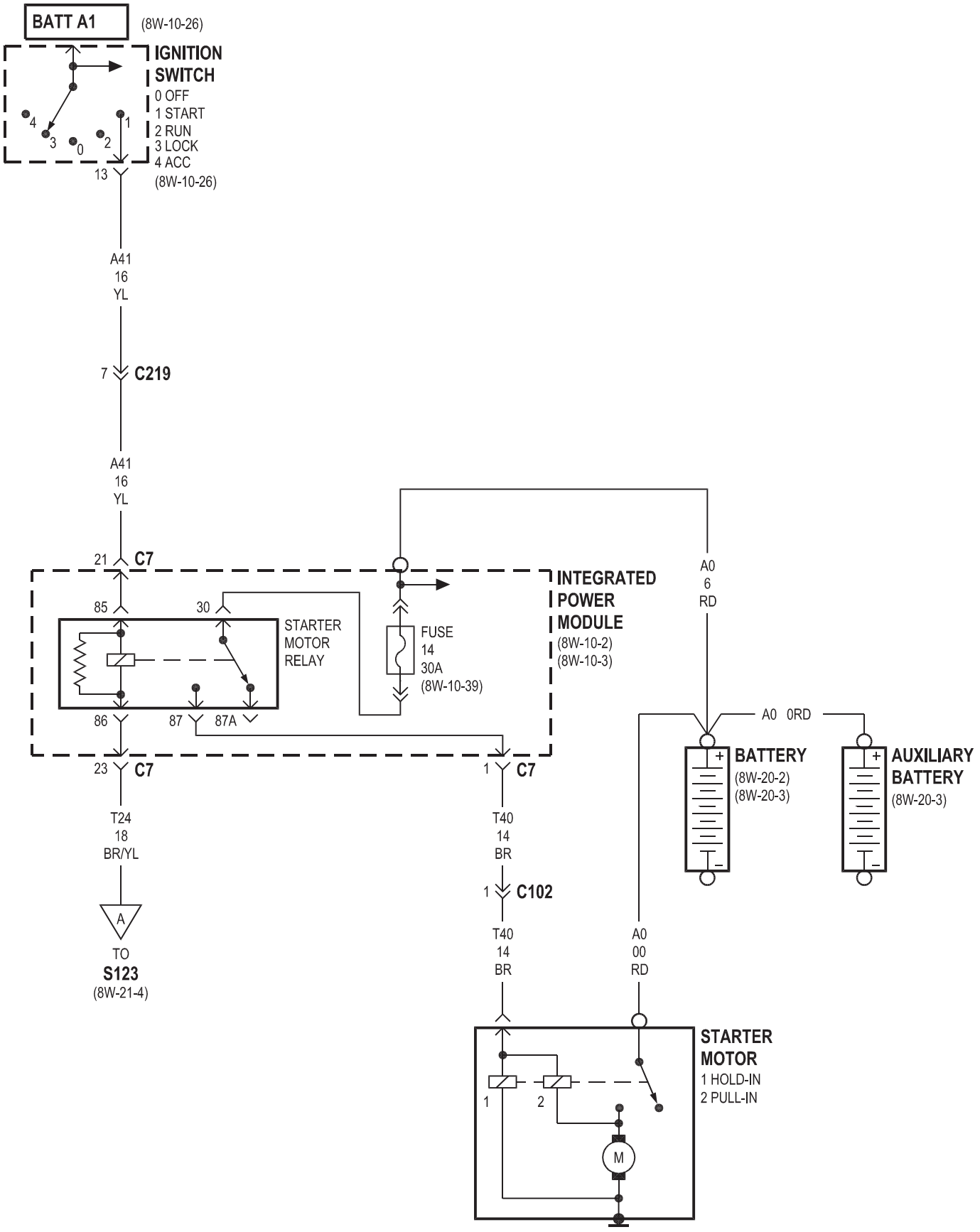

A6 0RD
A0 0RD
BATTERY
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 19 20A
(8W-10-33)
7 C2
A14 18 RD/WT
S110
(8W-10-33)
A14 18 RD/WT
C1 C130
A14 18 RD/WT
22 C1
FUSED B(+)
POWERTRAIN CONTROL MODULE
(8W-30-77)
(8W-30-90)
A140 10 DG/WT
TO FUSIBLE LINK
(8W-20-4)
A11 4 BK/GY
FUSIBLE LINK A11 8 BK/GY
(8W-10-11)
A11 8 BK/GY
A0 00 RD
Z342 8 BK
Z341 0 BK
Z0 10 BK
G101
(8W-15-7)
G100
(8W-15-7)
G102
(8W-15-7)
AUXILIARY BATTERY
Z0 0 BK
Z0 8 BK
G108
(8W-15-7)
G109
(8W-15-7)
GENERATOR
2
1
K20 18 LG
Z11 18 BK/WT
7 C1
GENERATOR FIELD CONTROL
ENGINE CONTROL MODULE
(8W-30-75)
S176
(8W-15-11)
Z11 12 BK/WT
G120
(8W-15-11)
B(+)
STARTER MOTOR
(8W-21-3)

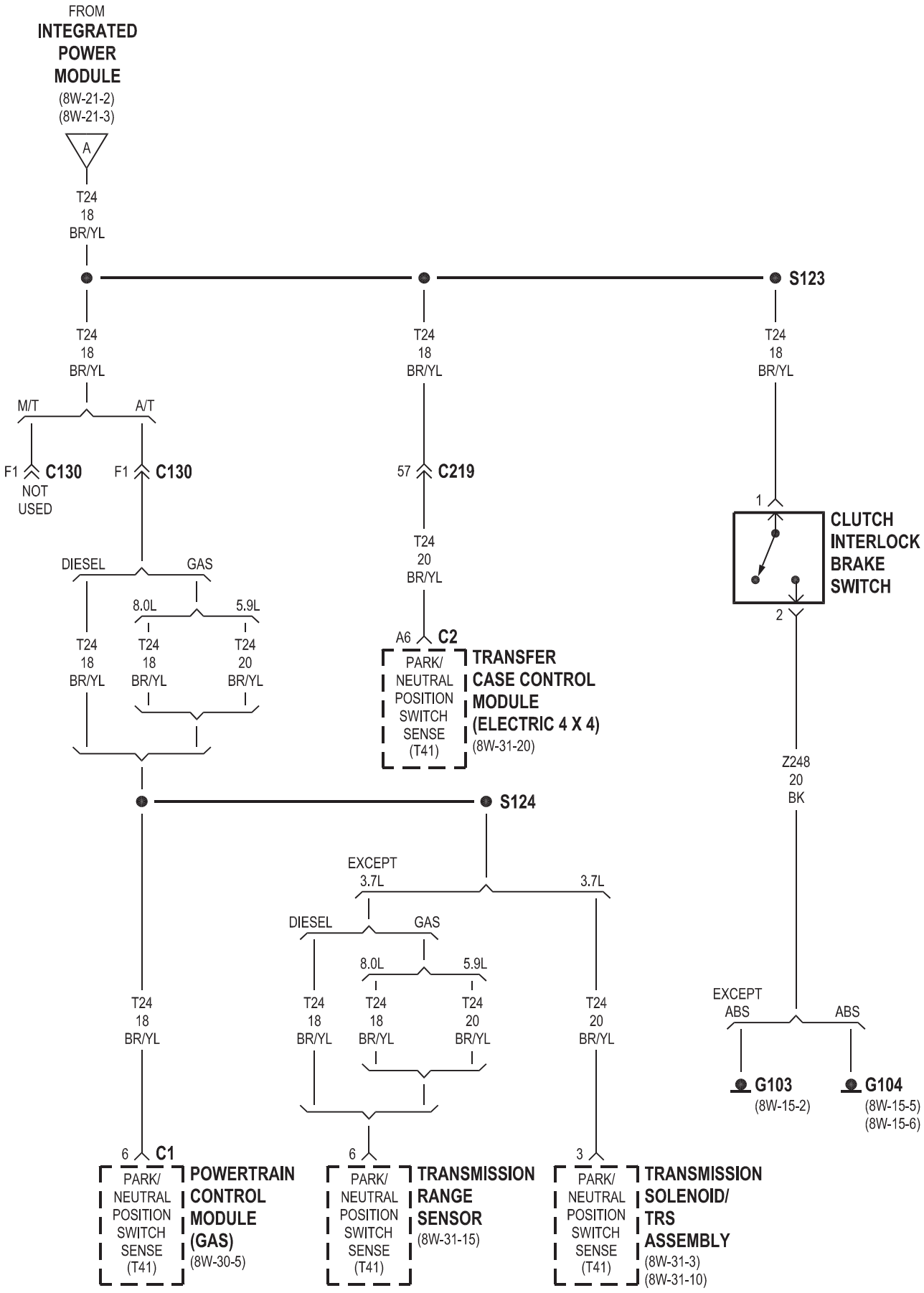

FROM
INTEGRATED
POWER
MODULE
(8W-20-3)
Z
A140
10
DG/WT
FUSIBLE
LINK
A140
16
DB
(8W-10-11)
A140
16
DB
S166
A140
10
DG/WT
1
C114
A140
16
DG/WT
S165
A140
16
DG/WT
A140
16
DG/WT
A140
16
DG/WT
40
C2
30
C2
20
C2
FUSED
B(+)
FUSED
B(+)
FUSED
B(+)
ENGINE
CONTROL
MODULE
(8W-30-77)

8W-21 STARTING SYSTEM

Component	Page
Auxiliary Battery	8W-21-3
Battery	8W-21-2, 3
Clutch Interlock Brake Switch	8W-21-4
Fuse 14	8W-21-2, 3
G103	8W-21-4
G104	8W-21-4
Ignition Switch	8W-21-2, 3
Integrated Power Module	8W-21-2, 3, 4
Powertrain Control Module	8W-21-2, 4
Starter Motor	8W-21-2, 3
Starter Motor Relay	8W-21-2, 3
Transfer Case Control Module	8W-21-4
Transmission Range Sensor	8W-21-4
Transmission Solenoid/TRS Assembly	8W-21-4


BATT A1
(8W-10-26)
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
(8W-10-26)
13
A41
16
YL
7
C219
A41
16
YL
8.0L
EXCEPT 8.0L
S122
(8W-10-39)
A41
16
YL
21
C7
85
30
STARTER MOTOR RELAY
86
87
87A
FUSE
14
30A
(8W-10-39)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
A0
6
RD
BATTERY
(8W-20-2)
23
C7
1
C7
EXCEPT NGC
NGC
T24
18
BR/YL
A
TO
S123
(8W-21-4)
T752
18
DG/OR
F1
C130
T752
18
DG/OR
38
C3
ENGINE STARTER MOTOR RELAY CONTROL
POWERTRAIN CONTROL MODULE
(8W-30-29)
T40
14
BR
1
C102
T40
14
BR
A0
6
RD
1
2
M
STARTER MOTOR
1 HOLD-IN
2 PULL-IN

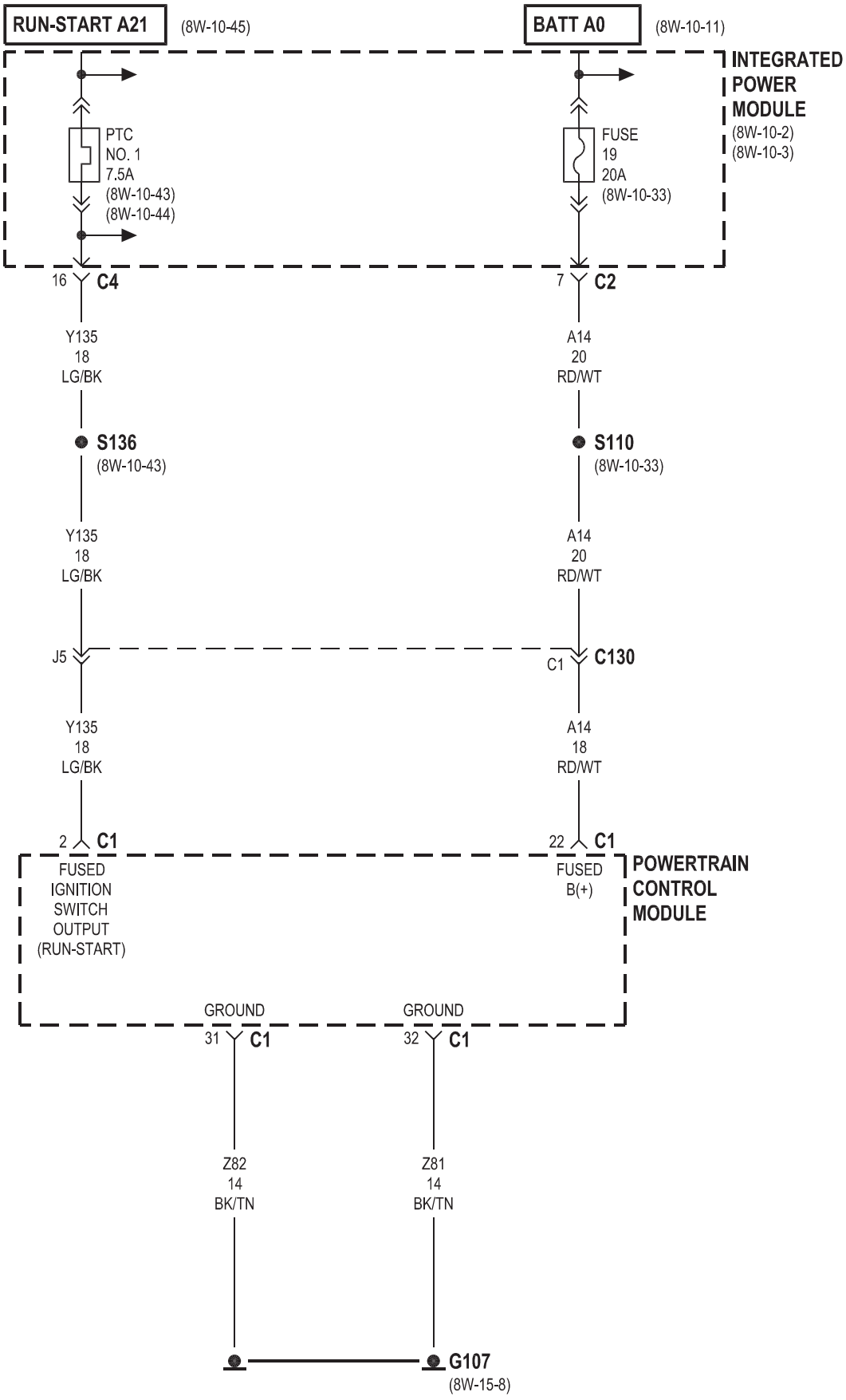

BATT A1
(8W-10-26)
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
(8W-10-26)
13
A41
16
YL
7
C219
A41
16
YL
21
C7
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
85
30
STARTER MOTOR RELAY
FUSE
14
30A
(8W-10-39)
86
87
87A
A0
6
RD
A0 0RD
BATTERY
(8W-20-2)
(8W-20-3)
AUXILIARY BATTERY
(8W-20-3)
23
C7
1
C7
T24
18
BR/YL
A
TO
S123
(8W-21-4)
T40
14
BR
1
C102
T40
14
BR
A0
00
RD
STARTER MOTOR
1 HOLD-IN
2 PULL-IN
1
2
M

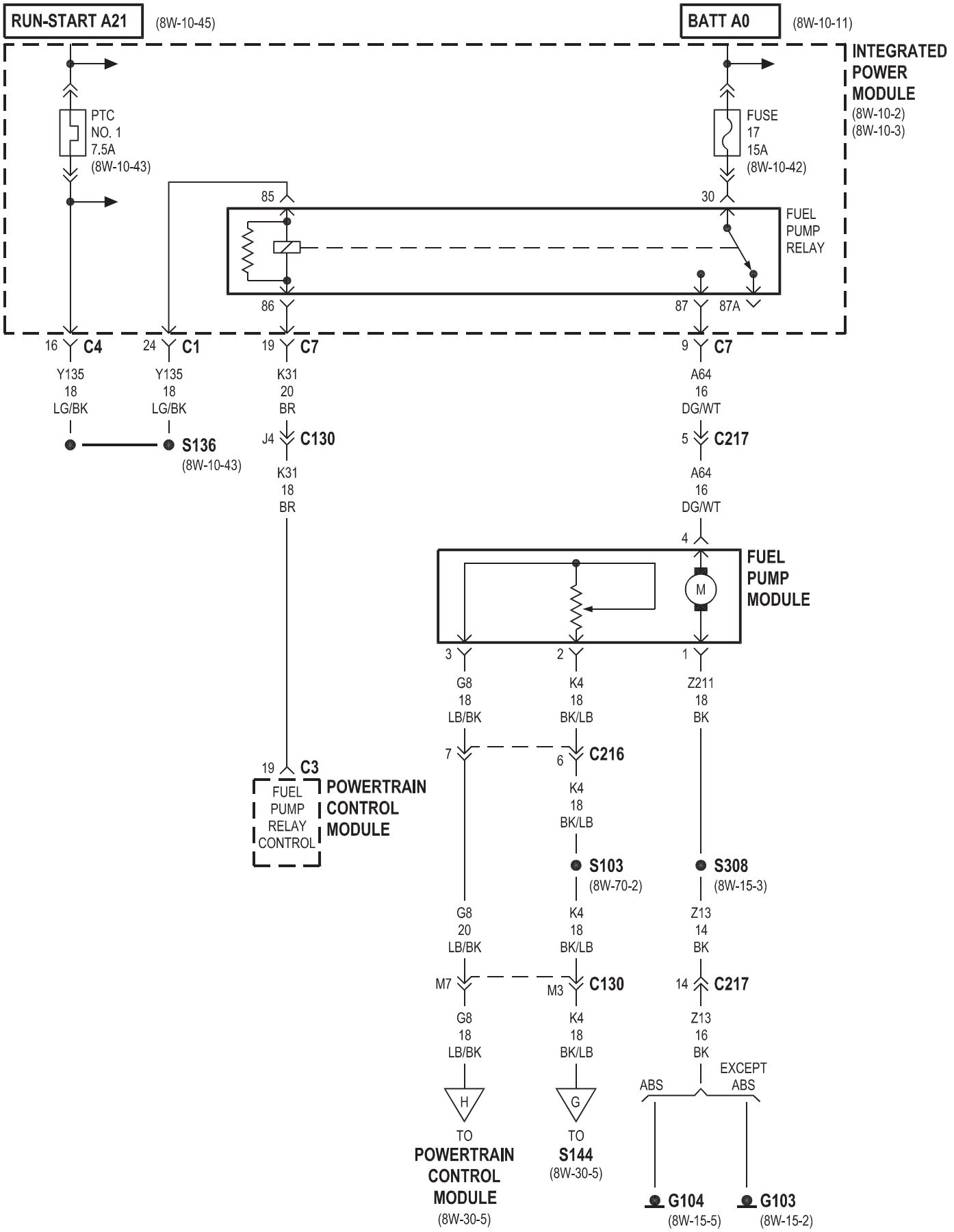

FROM
INTEGRATED POWER MODULE
(8W-21-2)
(8W-21-3)
A
T24
18
BR/YL
S123
M/T
A/T
F1 C130
NOT USED
F1 C130
57 C219
1
CLUTCH INTERLOCK BRAKE SWITCH
2
T24
20
BR/YL
DIESEL
GAS
8.0L
5.9L
A6 C2
PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
TRANSFER CASE CONTROL MODULE (ELECTRIC 4 X 4)
(8W-31-20)
S124
Z248
20
BK
EXCEPT 3.7L
3.7L
EXCEPT ABS
ABS
G103
(8W-15-2)
G104
(8W-15-5)
(8W-15-6)
6 C1
POWERTRAIN CONTROL MODULE (GAS)
(8W-30-5)
TRANSMISSION RANGE SENSOR
(8W-31-15)
3
TRANSMISSION SOLENOID/ TRS ASSEMBLY
(8W-31-3)
(8W-31-10)

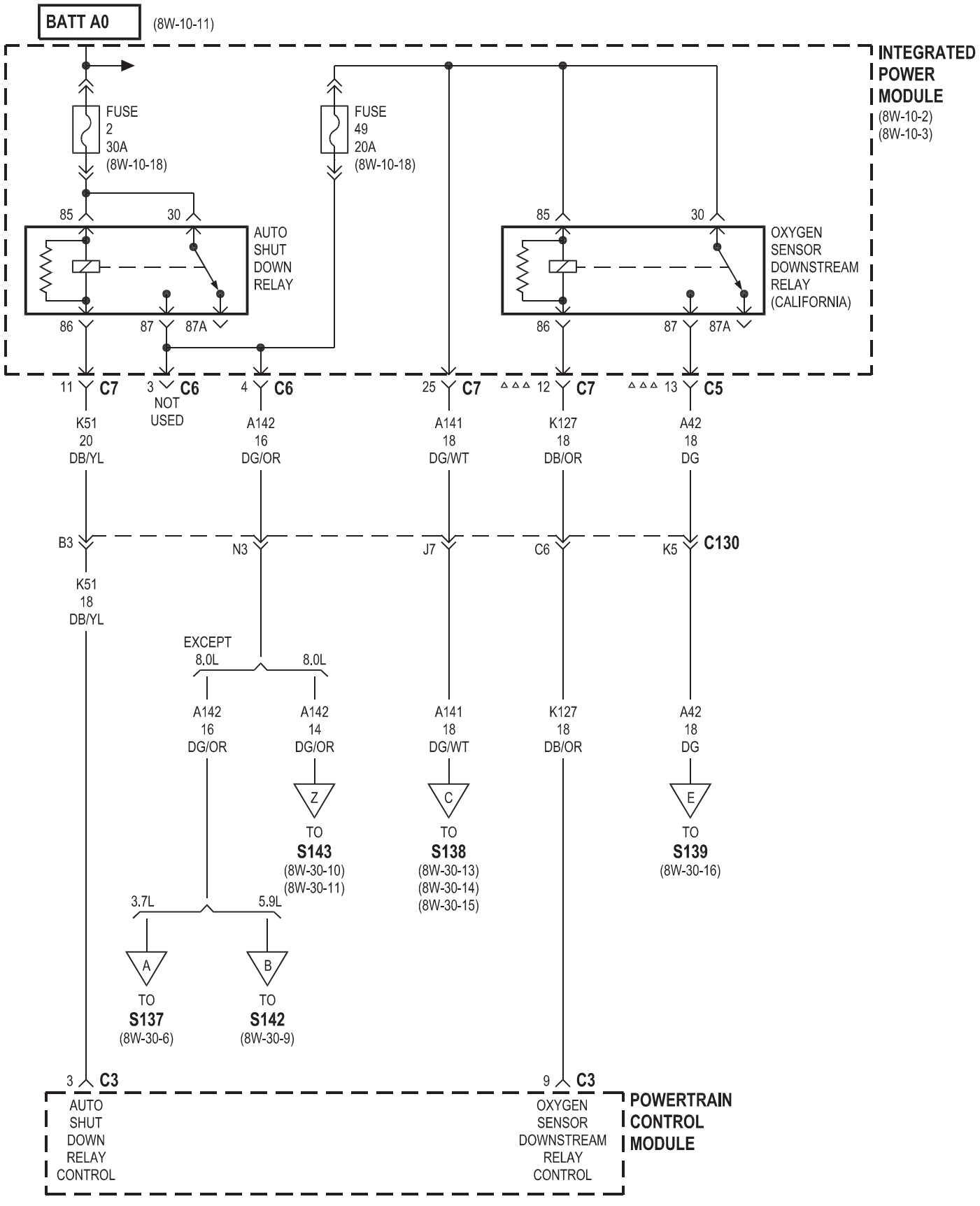
8W-30 FUEL/IGNITION SYSTEM

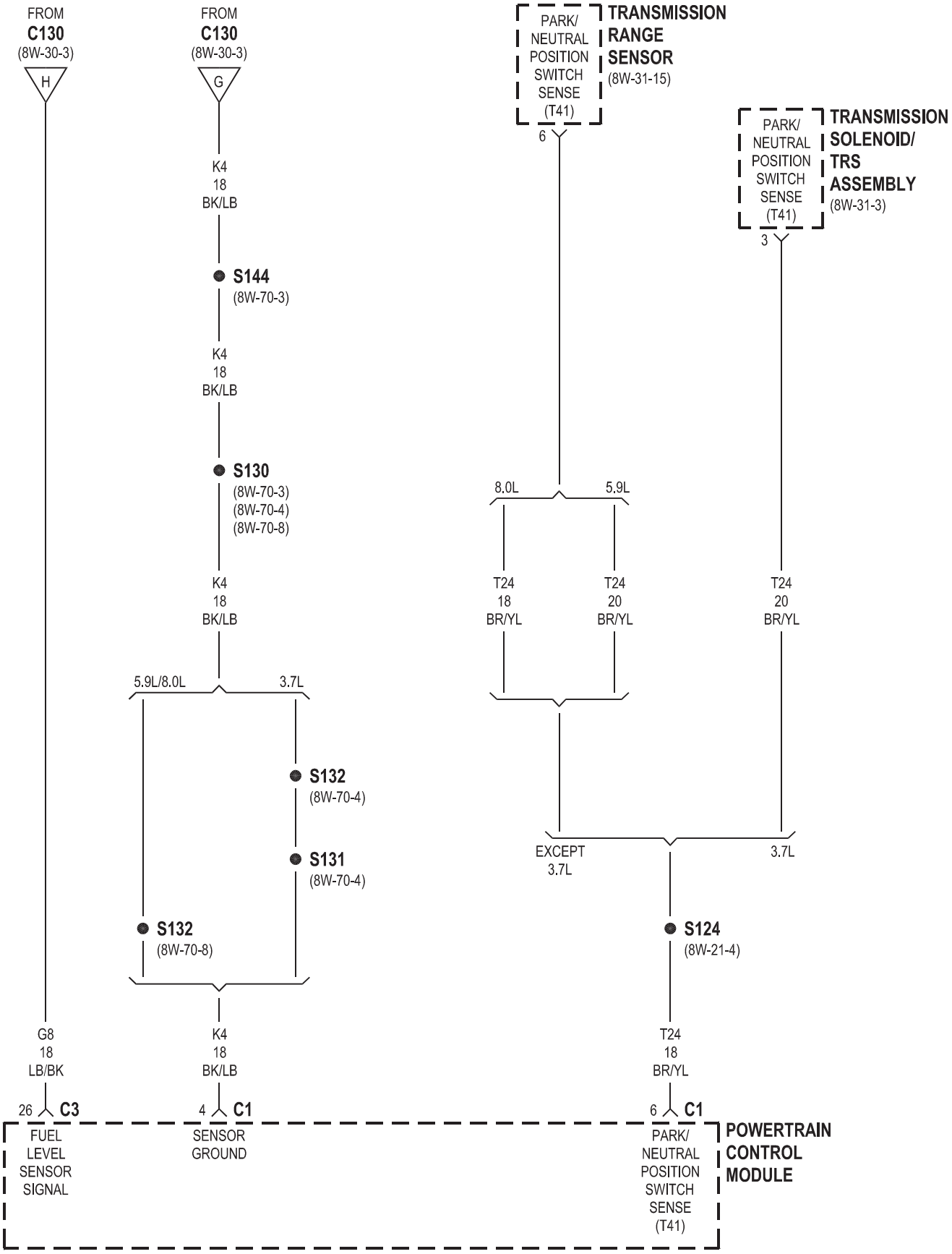
Component	Page
A/C Compressor Clutch Relay	8W-30-27, 36, 83
A/C Pressure Transducer	8W-30-19, 20, 21, 48, 53, 70
Accelerator Pedal Position Sensor	8W-30-55
Adjustable Pedal Motor	8W-30-87
Adjustable Pedal Relay	8W-30-87
Adjustable Pedal Switch	8W-30-87
Ambient Temperature Sensor	8W-30-56
Auto Shut Down Relay	8W-30-4, 31
Battery	8W-30-77
Battery Temperature Sensor	8W-30-28, 39, 81
Brake Lamp Switch	8W-30-25, 35, 65, 82, 89
Camshaft Position Sensor	8W-30-17, 18, 37, 55, 70, 71
Capacitor	8W-30-6, 11, 43
Clockspring	8W-30-25, 35, 65, 84, 90
Clutch Interlock Brake Switch	8W-30-32
Coil On Plug No. 1	8W-30-8, 42, 61
Coil On Plug No. 2	8W-30-7, 40, 60
Coil On Plug No. 3	8W-30-8, 42, 61
Coil On Plug No. 4	8W-30-7, 40, 60
Coil On Plug No. 5	8W-30-6, 41, 61
Coil On Plug No. 6	8W-30-6, 43, 60
Coil On Plug No. 7	8W-30-41, 61
Coil On Plug No. 8	8W-30-43, 60
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Controller Antilock Brake	8W-30-23, 33, 38, 82
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Engine Control Module	8W-30-67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 90, 91
Engine Coolant Temperature Sensor	8W-30-19, 20, 21, 48, 64, 72
Engine Oil Pressure Switch	8W-30-19, 20, 21, 29, 78, 81
EVAP/Purge Solenoid	8W-30-28, 39
Front Control Module	8W-30-87
Fuel Heater	8W-30-85
Fuel Heater Relay	8W-30-85
Fuel Injector No. 1	8W-30-8, 9, 11, 42, 62
Fuel Injector No. 2	8W-30-7, 9, 12, 40, 59
Fuel Injector No. 3	8W-30-8, 9, 11, 42, 62
Fuel Injector No. 4	8W-30-7, 9, 12, 40, 60
Fuel Injector No. 5	8W-30-6, 9, 11, 41, 62
Fuel Injector No. 6	8W-30-6, 9, 12, 43, 59
Fuel Injector No. 7	8W-30-9, 11, 41, 62
Fuel Injector No. 8	8W-30-9, 12, 43, 59
Fuel Injector No. 9	8W-30-11
Fuel Injector No. 10	8W-30-12
Fuel Injector Pack No. 1	8W-30-67
Fuel Injector Pack No. 2	8W-30-67, 68, 69
Fuel Injector Pack No. 3	8W-30-69
Fuel Pump Module	8W-30-3, 30, 79, 83
Fuel Pump Motor	8W-30-76
Fuel Pump Relay	8W-30-3, 30
Fuel Rail Pressure Sensor	8W-30-74
Fuse 2	8W-30-4, 31
Fuse 5	8W-30-50, 88
Fuse 12	8W-30-85
Fuse 17	8W-30-3, 30
Fuse 19	8W-30-2, 29, 77, 90
Fuse 36	8W-30-79, 87
Fuse 40	8W-30-87
Fuse 49	8W-30-4, 31
Fuse 50	8W-30-28, 88

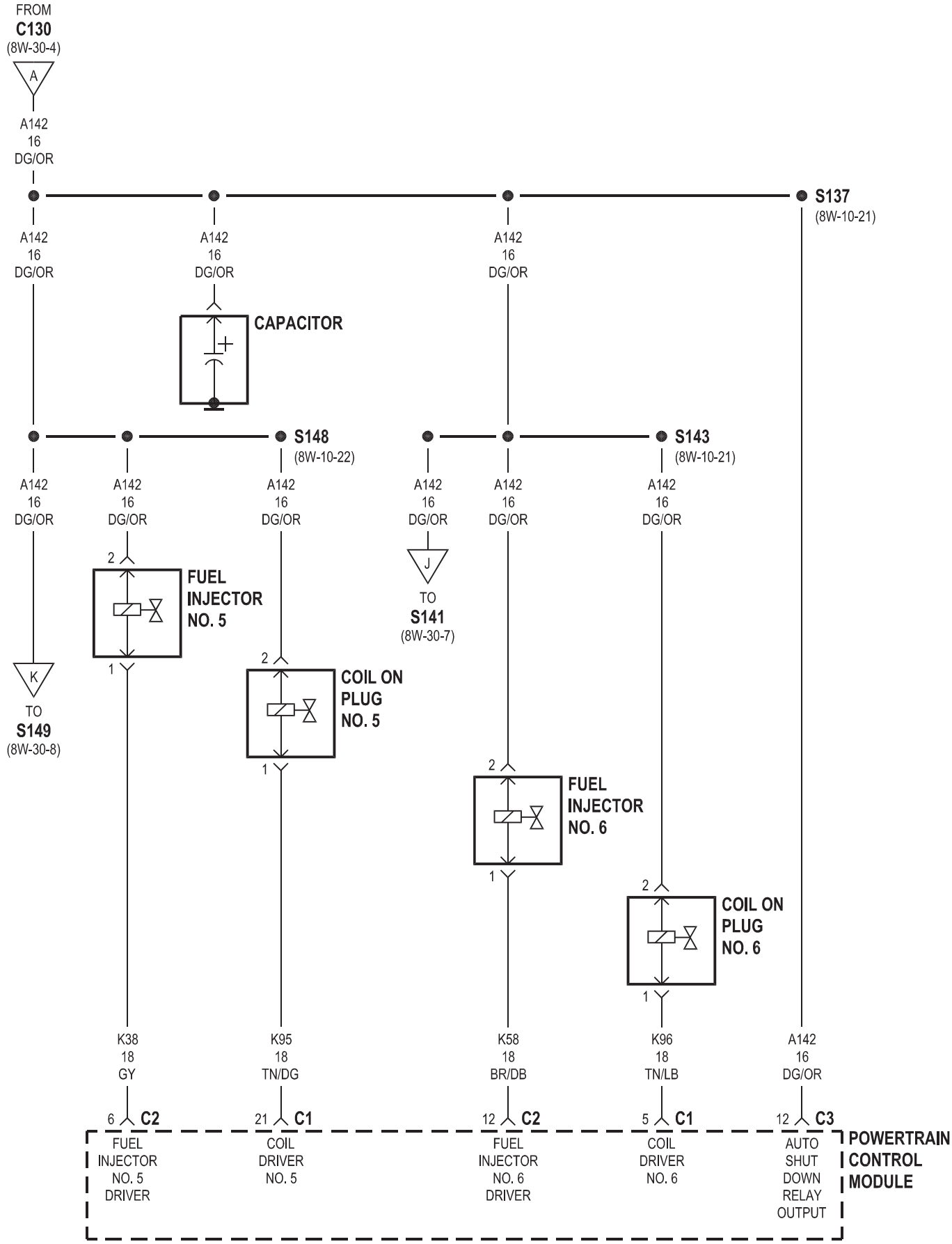
Component	Page
Fusible Link	8W-30-77
G103	8W-30-3, 25, 30, 35
G104	8W-30-3, 25, 30, 35
G105	8W-30-81, 86
G106	8W-30-85
G107	8W-30-2, 16, 24, 29, 34, 40, 42, 45, 47, 50, 54
G114	8W-30-78
G117	8W-30-91
G120	8W-30-75, 85
G201	8W-30-23, 33, 91
G203	8W-30-87
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Ignition Coil	8W-30-9
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Ignition Switch	8W-30-23, 33, 46
Inlet Air Temperature/Pressure Sensor	8W-30-73
Input Speed Sensor	8W-30-49
Intake Air Heater Relay No. 1	8W-30-81
Intake Air Heater Relay No. 2	8W-30-81
Intake Air Temperature Sensor	8W-30-19, 20, 21, 48, 64
Intake Air Temperature/Manifold Absolute Pressure Sensor	8W-30-74
Integrated Power Module	8W-30-2, 3, 4, 26, 27, 29, 30, 31, 36, 50, 77, 79, 80, 83, 85, 86, 87, 88, 90
Knock Sensor	8W-30-22
Knock Sensor-Left	8W-30-57
Knock Sensor-Right	8W-30-57
Leak Detection Pump	8W-30-24, 34
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Manifold Absolute Pressure Sensor	8W-30-19, 20, 21, 48, 55, 64
Output Speed Sensor	8W-30-26, 49, 88
Overdrive Switch	8W-30-23, 33, 91
Oxygen Sensor 1/1 Upstream	8W-30-13, 14, 15, 47, 54
Oxygen Sensor 1/2 Downstream	8W-30-13, 14, 16, 45, 54
Oxygen Sensor 2/1 Upstream	8W-30-15, 47
Oxygen Sensor 2/2 Downstream	8W-30-16, 45
Oxygen Sensor Downstream Relay	8W-30-4, 31
Power Steering Pressure Switch	8W-30-24, 34
Powertrain Control Module	8W-30-2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 77, 79, 82, 84, 85, 88, 89, 90, 91
PTC No. 1	8W-30-2, 3, 27, 29, 30, 36, 80, 83, 86
PTO Switch	8W-30-23, 33
Speed Control Servo	8W-30-25, 35, 89
Speed Control Switch-Left	8W-30-65, 84, 90
Speed Control Switch-Right	8W-30-65, 84, 90
Starter Motor Relay	8W-30-29
Throttle Position Sensor	8W-30-22, 44
Throttle Position Switch	8W-30-72
Transfer Case Control Module	8W-30-65
Transmission Control Module	8W-30-17, 23, 33, 38, 66
Transmission Control Relay	8W-30-26, 50, 88
Transmission Range Sensor	8W-30-5
Transmission Solenoid Assembly	8W-30-20, 21, 26, 88
Transmission Solenoid/TRS Assembly	8W-30-5, 32, 50, 51, 52
Vacuum Pump	8W-30-86
Vehicle Speed Sensor	8W-30-71
Vistronic Fan Drive	8W-30-79
Water In Fuel Sensor	8W-30-72, 76

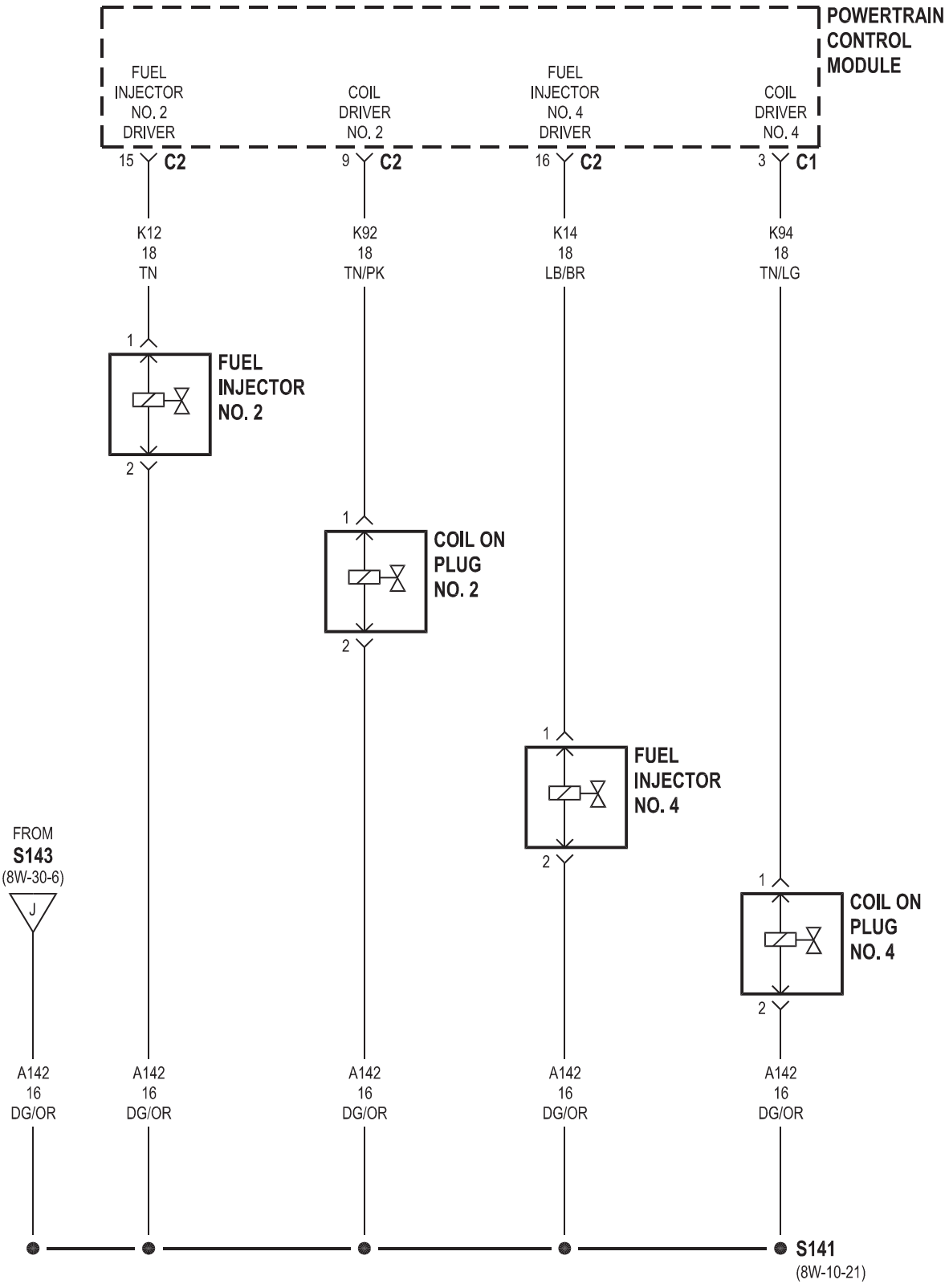

RUN-START A21
(8W-10-45)
BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 1 7.5A
(8W-10-43)
(8W-10-44)
FUSE 19 20A
(8W-10-33)
16 C4
7 C2
Y135 18 LG/BK
A14 20 RD/WT
S136
(8W-10-43)
S110
(8W-10-33)
Y135 18 LG/BK
A14 20 RD/WT
J5
C1 C130
Y135 18 LG/BK
A14 18 RD/WT
2 C1
22 C1
FUSED IGNITION SWITCH OUTPUT (RUN-START)
FUSED B(+)
POWERTRAIN CONTROL MODULE
GROUND
GROUND
31 C1
32 C1
Z82 14 BK/TN
Z81 14 BK/TN
G107
(8W-15-8)

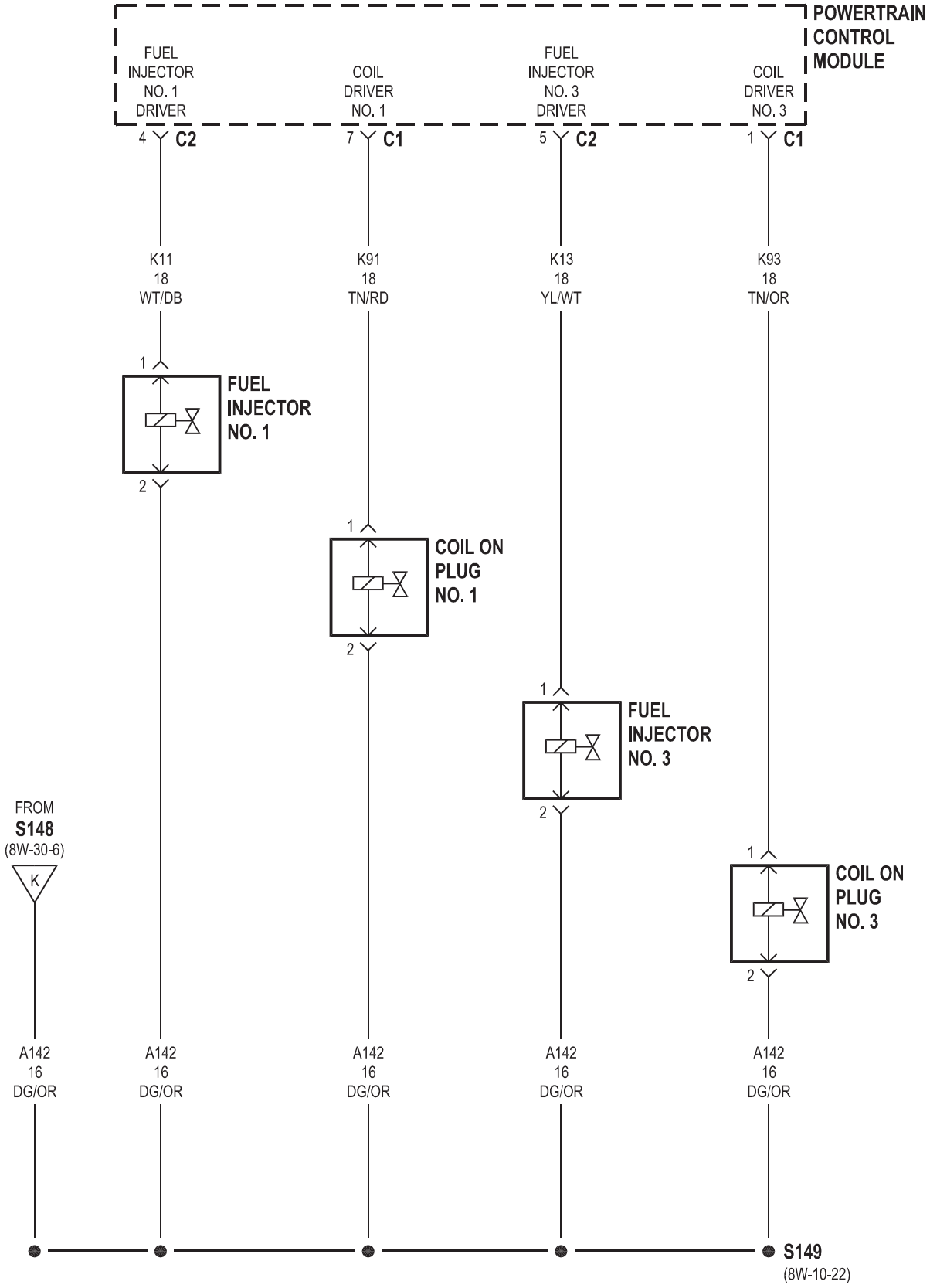

RUN-START A21
(8W-10-45)
BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 1 7.5A
(8W-10-43)
FUSE 17 15A
(8W-10-42)
85
30
FUEL PUMP RELAY
86
87
87A
16 C4
24 C1
19 C7
9 C7
Y135 18 LG/BK
Y135 18 LG/BK
K31 20 BR
A64 16 DG/WT
S136
(8W-10-43)
J4 C130
5 C217
K31 18 BR
A64 16 DG/WT
4
FUEL PUMP MODULE
M
3
2
1
G8 18 LB/BK
K4 18 BK/LB
Z211 18 BK
7
6 C216
K4 18 BK/LB
19 C3
FUEL PUMP RELAY CONTROL
POWERTRAIN CONTROL MODULE
S103
(8W-70-2)
S308
(8W-15-3)
G8 20 LB/BK
K4 18 BK/LB
Z13 14 BK
M7
M3 C130
14 C217
G8 18 LB/BK
K4 18 BK/LB
Z13 16 BK
EXCEPT ABS
ABS
H
G
TO POWERTRAIN CONTROL MODULE
(8W-30-5)
TO S144
(8W-30-5)
G104
(8W-15-5)
G103
(8W-15-2)

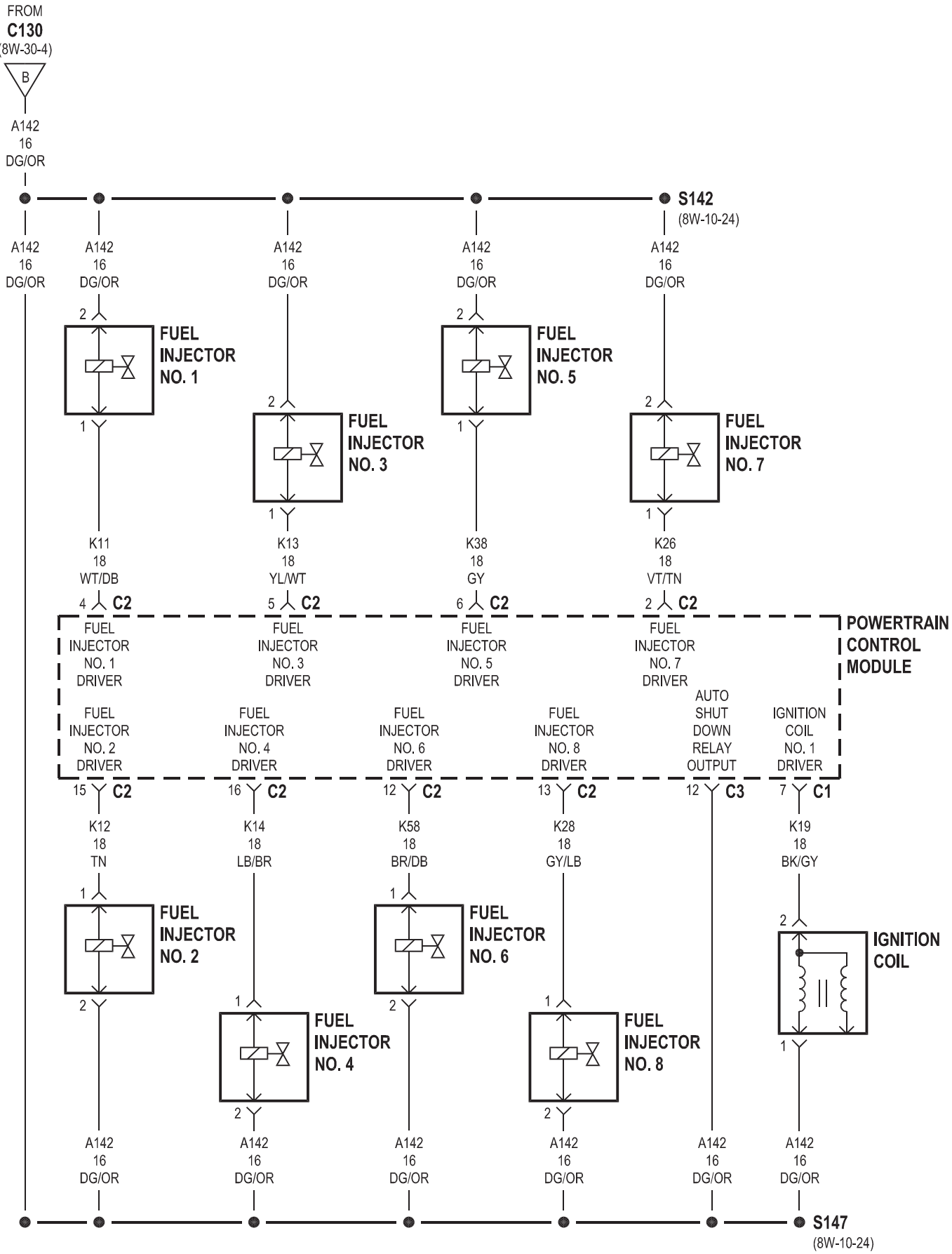

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 2 30A (8W-10-18)
FUSE 49 20A (8W-10-18)
85
30
AUTO SHUT DOWN RELAY
86
87
87A
OXYGEN SENSOR DOWNSTREAM RELAY (CALIFORNIA)
11 C7
3 C6
NOT USED
4 C6
25 C7
△△△ 12 C7
△△△ 13 C5
K51 20 DB/YL
A142 16 DG/OR
A141 18 DG/WT
K127 18 DB/OR
A42 18 DG
B3
N3
J7
C6
K5 C130
K51 18 DB/YL
EXCEPT 8.0L
8.0L
A142 16 DG/OR
A142 14 DG/OR
A141 18 DG/WT
K127 18 DB/OR
A42 18 DG
Z
C
E
TO S143 (8W-30-10) (8W-30-11)
TO S138 (8W-30-13) (8W-30-14) (8W-30-15)
TO S139 (8W-30-16)
3.7L
5.9L
A
B
TO S137 (8W-30-6)
TO S142 (8W-30-9)
3 C3
9 C3
AUTO SHUT DOWN RELAY CONTROL
OXYGEN SENSOR DOWNSTREAM RELAY CONTROL
POWERTRAIN CONTROL MODULE
△△△ 8.0L

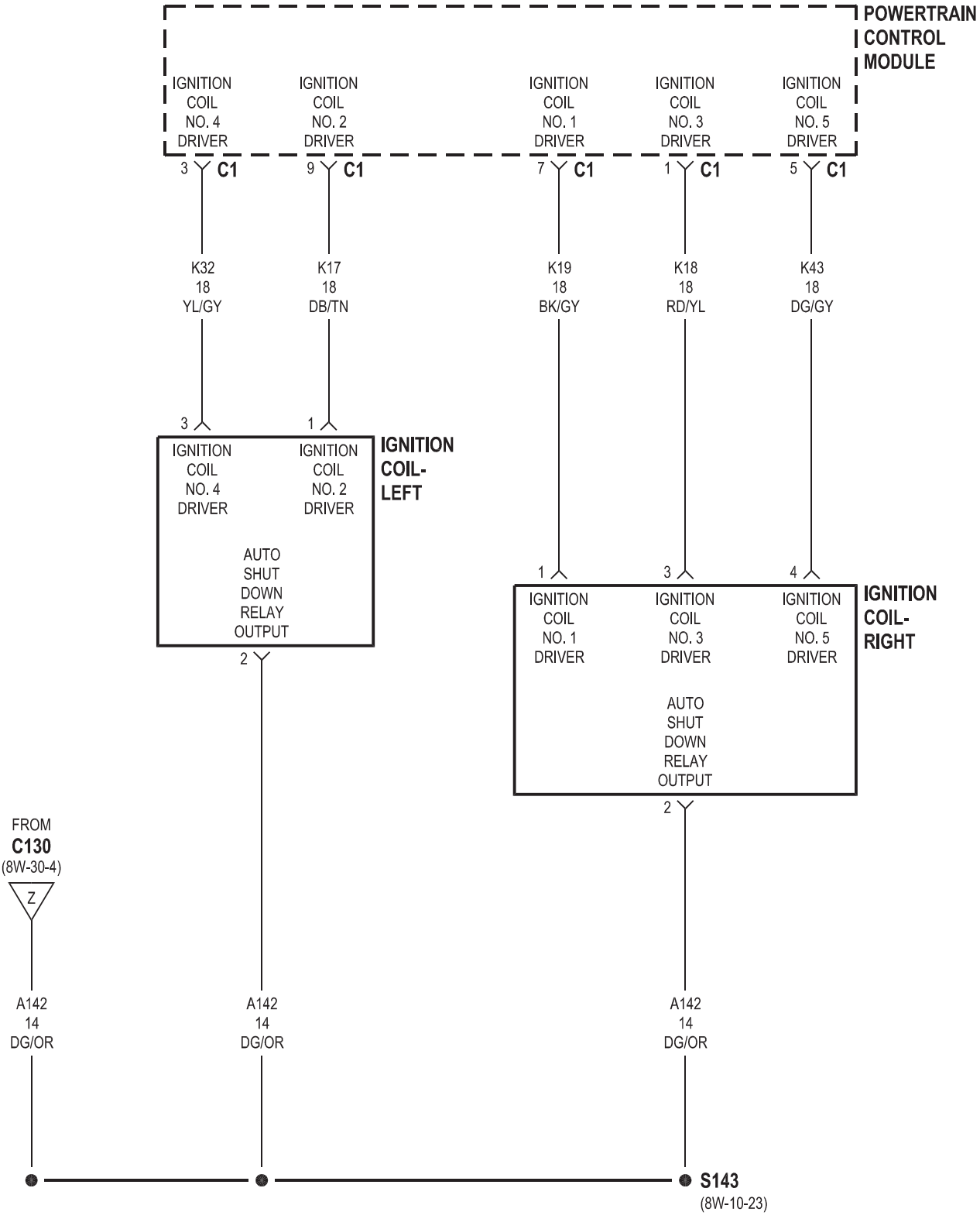

FROM C130 (8W-30-3)
H
FROM C130 (8W-30-3)
G
PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
6
TRANSMISSION RANGE SENSOR (8W-31-15)
PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
3
TRANSMISSION SOLENOID/ TRS ASSEMBLY (8W-31-3)
K4 18 BK/LB
S144 (8W-70-3)
K4 18 BK/LB
S130 (8W-70-3) (8W-70-4) (8W-70-8)
K4 18 BK/LB
8.0L
5.9L
T24 18 BR/YL
T24 20 BR/YL
T24 20 BR/YL
5.9L/8.0L
3.7L
S132 (8W-70-4)
S131 (8W-70-4)
S132 (8W-70-8)
EXCEPT 3.7L
3.7L
S124 (8W-21-4)
G8 18 LB/BK
K4 18 BK/LB
T24 18 BR/YL
26 C3
4 C1
6 C1
FUEL LEVEL SENSOR SIGNAL
SENSOR GROUND
PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
POWERTRAIN CONTROL MODULE

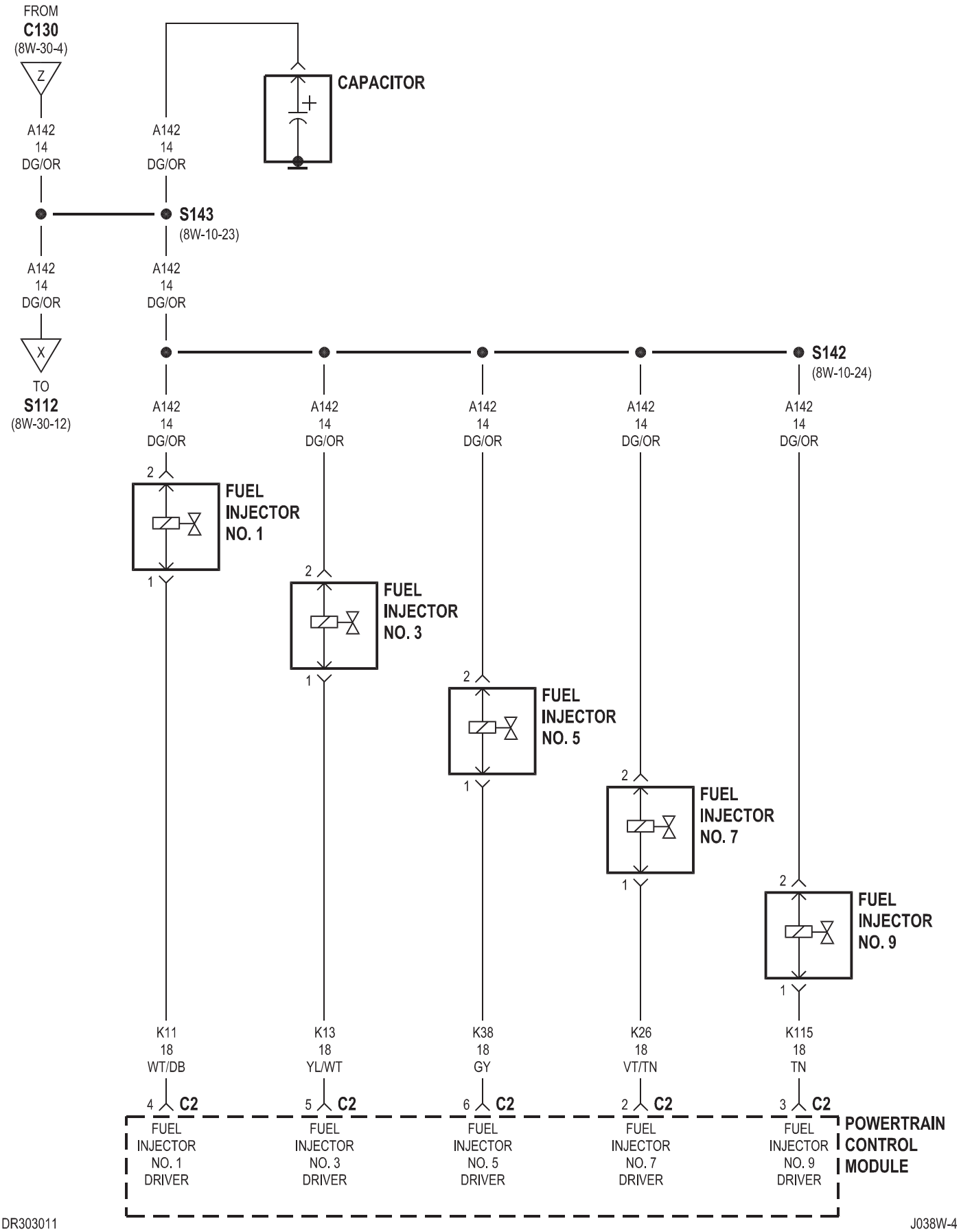

FROM
C130
(8W-30-4)
A
A142
16
DG/OR
S137
(8W-10-21)
CAPACITOR
S148
(8W-10-22)
S143
(8W-10-21)
FUEL
INJECTOR
NO. 5
COIL ON
PLUG
NO. 5
FUEL
INJECTOR
NO. 6
COIL ON
PLUG
NO. 6
J
TO
S141
(8W-30-7)
K
TO
S149
(8W-30-8)
K38
18
GY
K95
18
TN/DG
K58
18
BR/DB
K96
18
TN/LB
A142
16
DG/OR
6 C2
21 C1
12 C2
5 C1
12 C3
FUEL
INJECTOR
NO. 5
DRIVER
COIL
DRIVER
NO. 5
FUEL
INJECTOR
NO. 6
DRIVER
COIL
DRIVER
NO. 6
AUTO
SHUT
DOWN
RELAY
OUTPUT
POWERTRAIN
CONTROL
MODULE

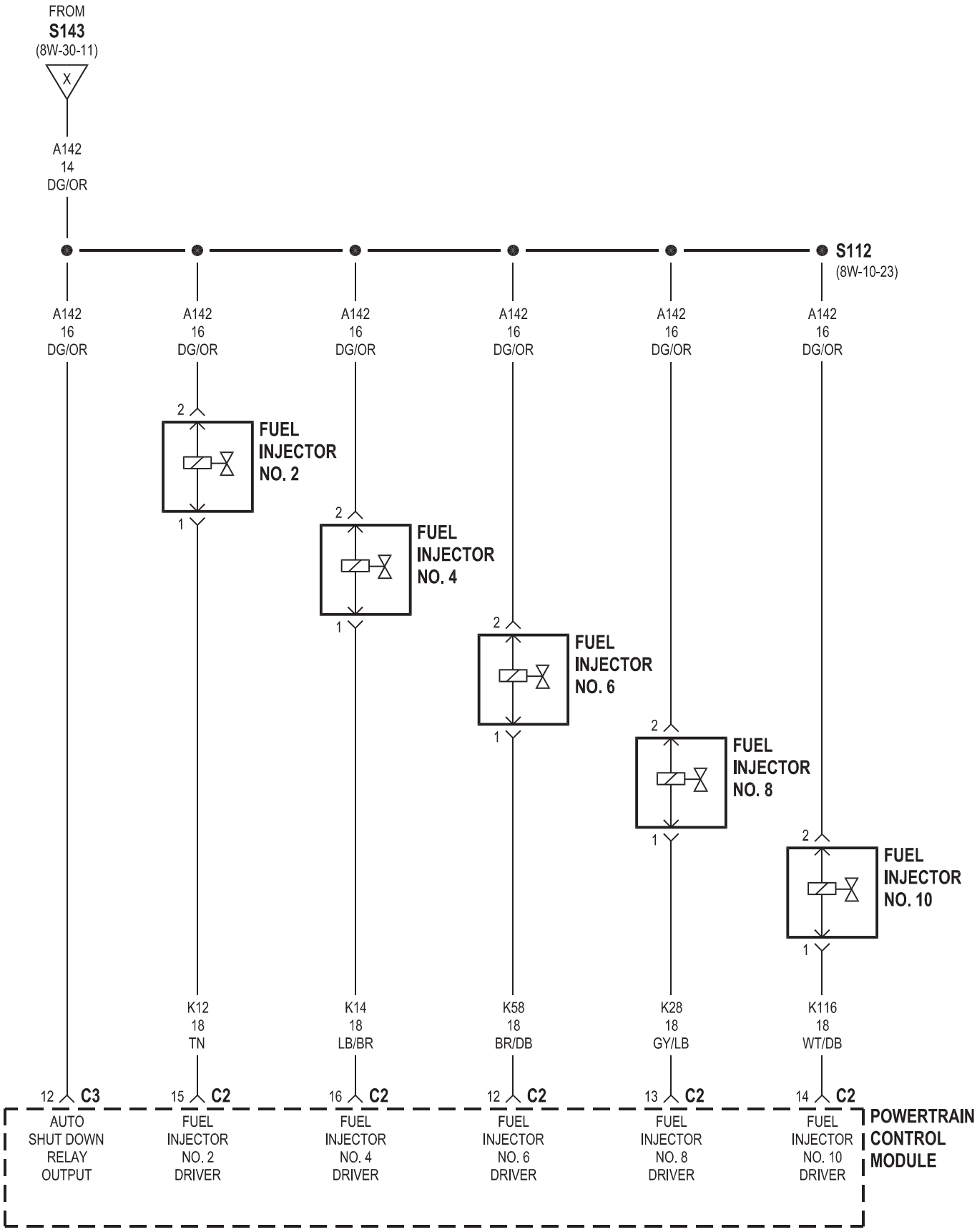

POWERTRAIN CONTROL MODULE
FUEL INJECTOR NO. 2 DRIVER
COIL DRIVER NO. 2
FUEL INJECTOR NO. 4 DRIVER
COIL DRIVER NO. 4
15 C2
9 C2
16 C2
3 C1
K12 18 TN
K92 18 TN/PK
K14 18 LB/BR
K94 18 TN/LG
FUEL INJECTOR NO. 2
COIL ON PLUG NO. 2
FUEL INJECTOR NO. 4
COIL ON PLUG NO. 4
FROM S143 (8W-30-6)
J
A142 16 DG/OR
S141 (8W-10-21)

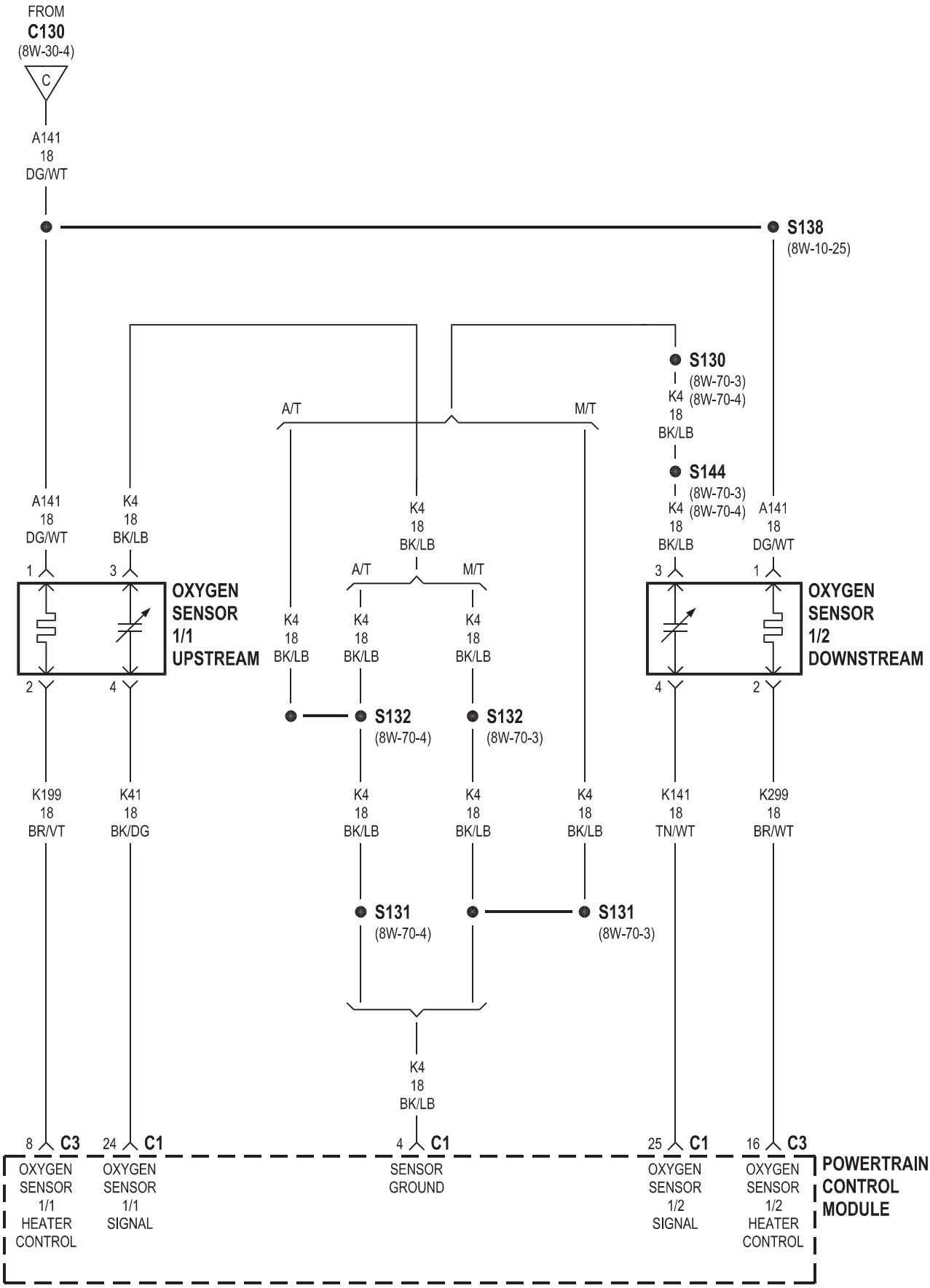

POWERTRAIN CONTROL MODULE
FUEL INJECTOR NO. 1 DRIVER
COIL DRIVER NO. 1
FUEL INJECTOR NO. 3 DRIVER
COIL DRIVER NO. 3
4 C2
7 C1
5 C2
1 C1
K11 18 WT/DB
K91 18 TN/RD
K13 18 YL/WT
K93 18 TN/OR
FUEL INJECTOR NO. 1
COIL ON PLUG NO. 1
FUEL INJECTOR NO. 3
COIL ON PLUG NO. 3
FROM S148 (8W-30-6)
K
A142 16 DG/OR
S149 (8W-10-22)

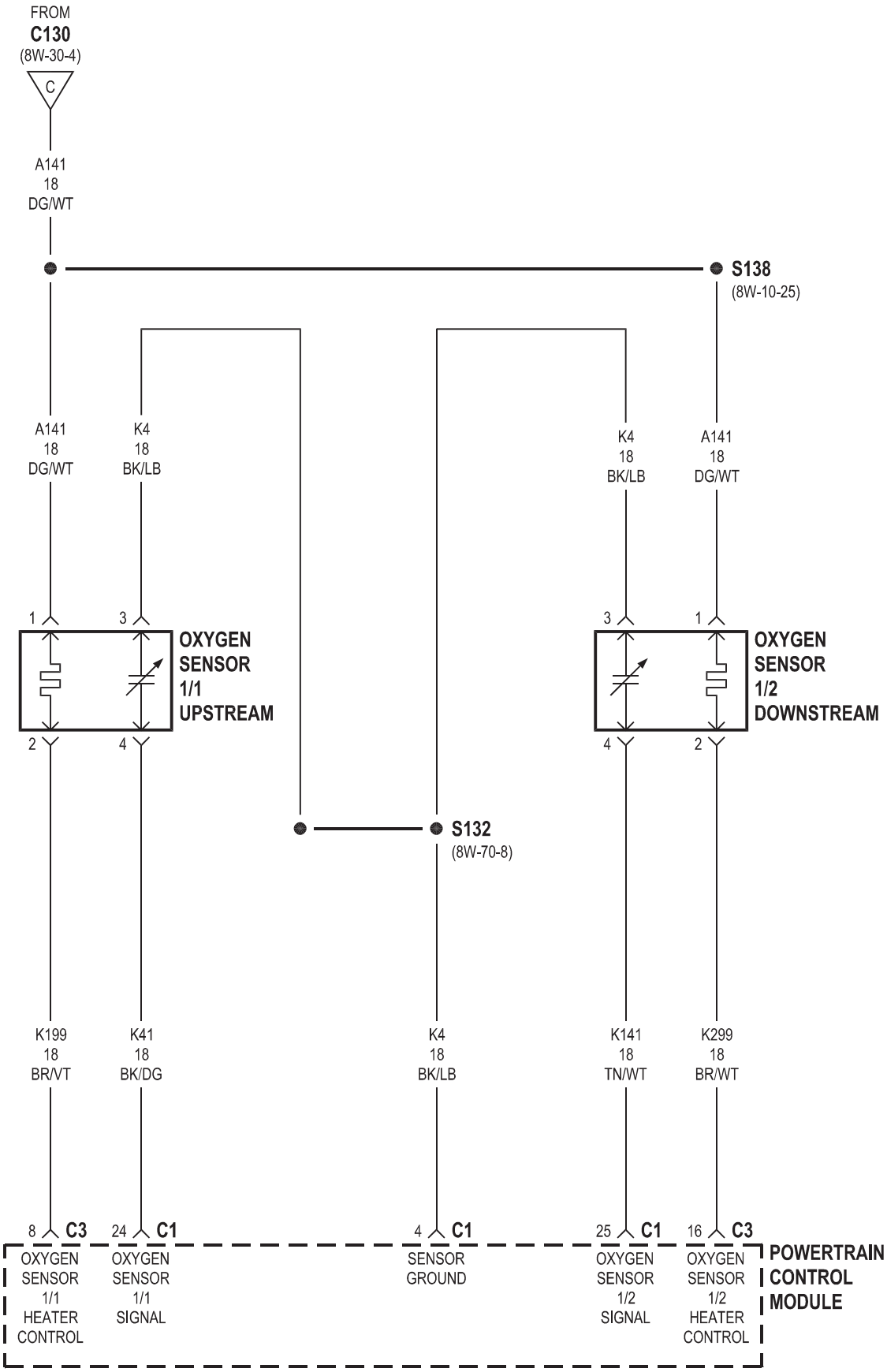

FROM
C130
(8W-30-4)
B
A142
16
DG/OR
S142
(8W-10-24)
FUEL
INJECTOR
NO. 1
FUEL
INJECTOR
NO. 3
FUEL
INJECTOR
NO. 5
FUEL
INJECTOR
NO. 7
K11
18
WT/DB
K13
18
YL/WT
K38
18
GY
K26
18
VT/TN
C2
POWERTRAIN
CONTROL
MODULE
FUEL
INJECTOR
NO. 1
DRIVER
FUEL
INJECTOR
NO. 3
DRIVER
FUEL
INJECTOR
NO. 5
DRIVER
FUEL
INJECTOR
NO. 7
DRIVER
FUEL
INJECTOR
NO. 2
DRIVER
FUEL
INJECTOR
NO. 4
DRIVER
FUEL
INJECTOR
NO. 6
DRIVER
FUEL
INJECTOR
NO. 8
DRIVER
AUTO
SHUT
DOWN
RELAY
OUTPUT
IGNITION
COIL
NO. 1
DRIVER
C3
C1
K12
18
TN
K14
18
LB/BR
K58
18
BR/DB
K28
18
GY/LB
K19
18
BK/GY
FUEL
INJECTOR
NO. 2
FUEL
INJECTOR
NO. 4
FUEL
INJECTOR
NO. 6
FUEL
INJECTOR
NO. 8
IGNITION
COIL
S147
(8W-10-24)

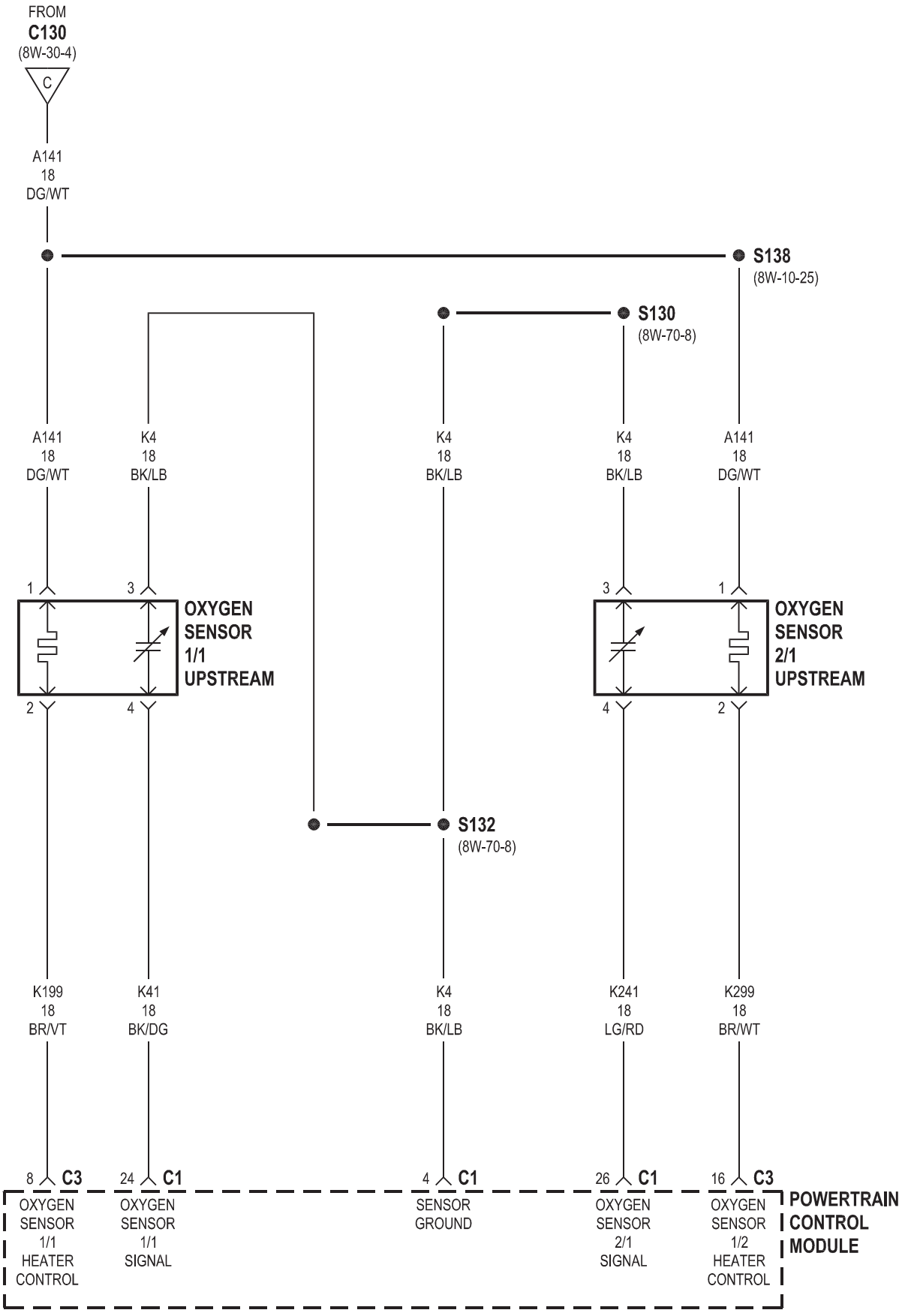

POWERTRAIN CONTROL MODULE
IGNITION COIL NO. 4 DRIVER
IGNITION COIL NO. 2 DRIVER
IGNITION COIL NO. 1 DRIVER
IGNITION COIL NO. 3 DRIVER
IGNITION COIL NO. 5 DRIVER
3 C1
9 C1
7 C1
1 C1
5 C1
K32 18 YL/GY
K17 18 DB/TN
K19 18 BK/GY
K18 18 RD/YL
K43 18 DG/GY
3
1
IGNITION COIL NO. 4 DRIVER
IGNITION COIL NO. 2 DRIVER
AUTO SHUT DOWN RELAY OUTPUT
IGNITION COIL- LEFT
2
1
3
4
IGNITION COIL NO. 1 DRIVER
IGNITION COIL NO. 3 DRIVER
IGNITION COIL NO. 5 DRIVER
AUTO SHUT DOWN RELAY OUTPUT
IGNITION COIL- RIGHT
2
FROM C130 (8W-30-4)
Z
A142 14 DG/OR
A142 14 DG/OR
A142 14 DG/OR
S143
(8W-10-23)

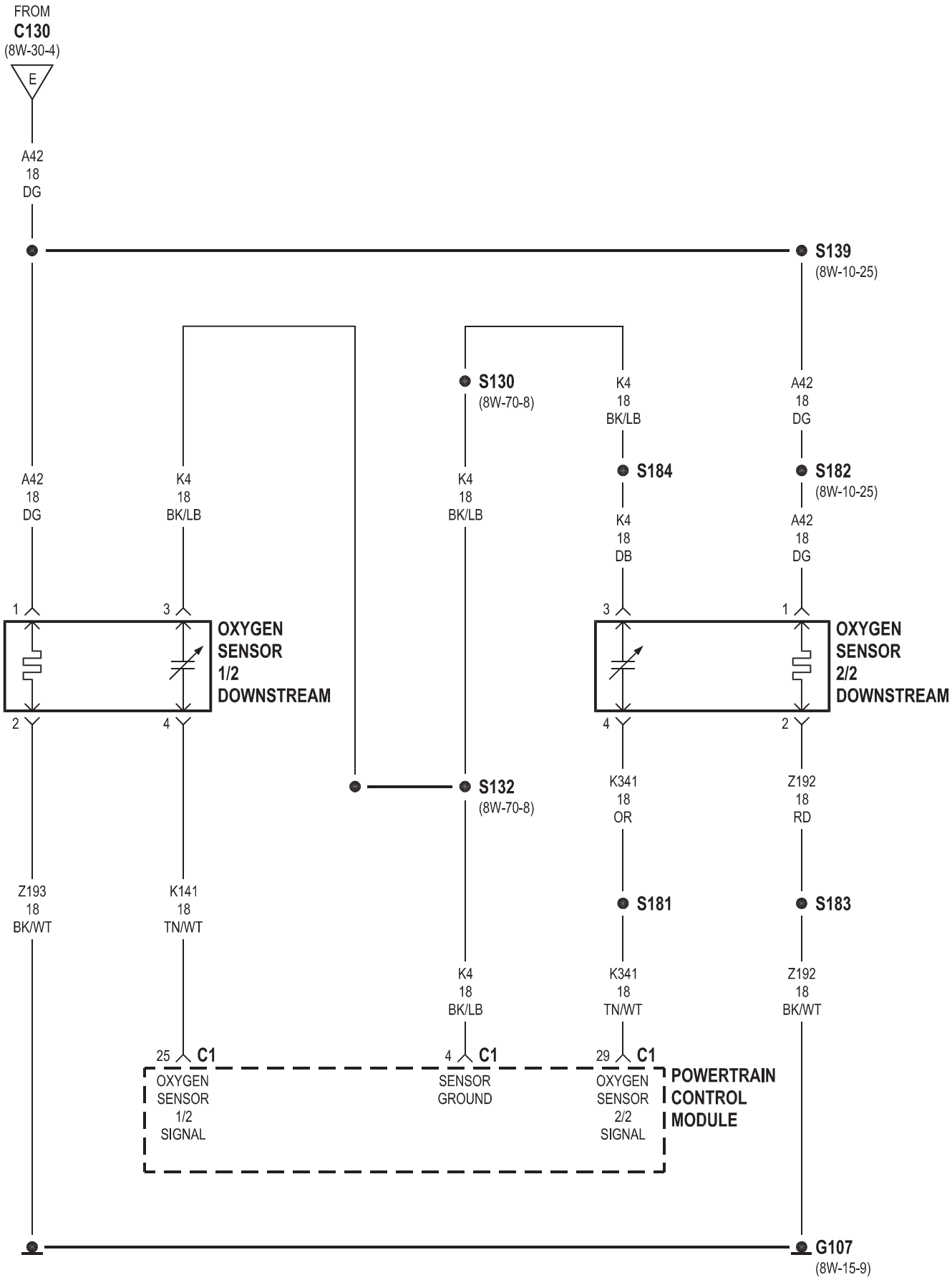

FROM
C130
(8W-30-4)
Z
A142
14
DG/OR
CAPACITOR
S143
(8W-10-23)
X
TO
S112
(8W-30-12)
S142
(8W-10-24)
FUEL
INJECTOR
NO. 1
FUEL
INJECTOR
NO. 3
FUEL
INJECTOR
NO. 5
FUEL
INJECTOR
NO. 7
FUEL
INJECTOR
NO. 9
K11
18
WT/DB
K13
18
YL/WT
K38
18
GY
K26
18
VT/TN
K115
18
TN
C2
FUEL
INJECTOR
NO. 1
DRIVER
FUEL
INJECTOR
NO. 3
DRIVER
FUEL
INJECTOR
NO. 5
DRIVER
FUEL
INJECTOR
NO. 7
DRIVER
FUEL
INJECTOR
NO. 9
DRIVER
POWERTRAIN
CONTROL
MODULE

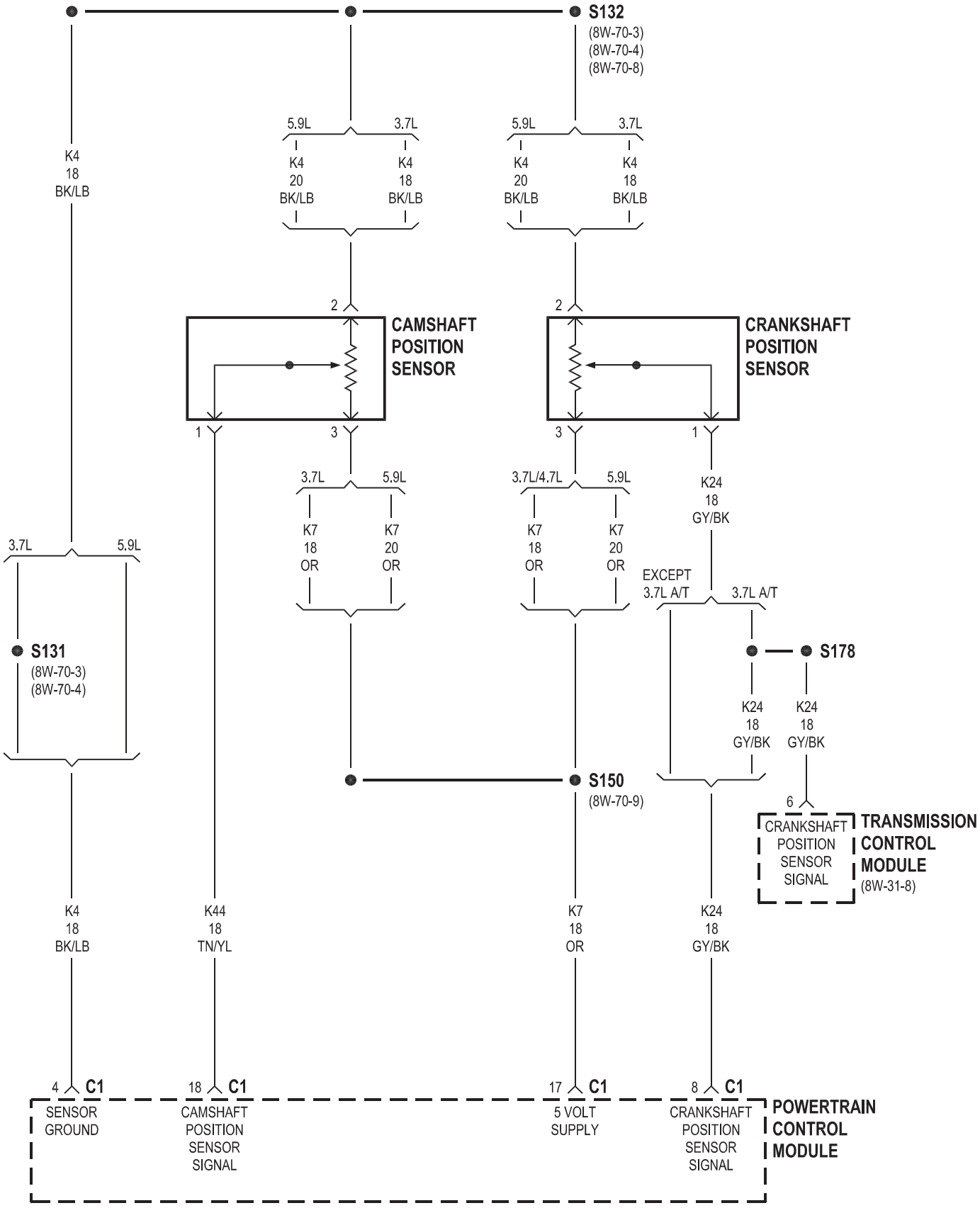

FROM
S143
(8W-30-11)
X
A142
14
DG/OR
S112
(8W-10-23)
A142
16
DG/OR
FUEL
INJECTOR
NO. 2
FUEL
INJECTOR
NO. 4
FUEL
INJECTOR
NO. 6
FUEL
INJECTOR
NO. 8
FUEL
INJECTOR
NO. 10
K12
18
TN
K14
18
LB/BR
K58
18
BR/DB
K28
18
GY/LB
K116
18
WT/DB
12 C3
15 C2
16 C2
12 C2
13 C2
14 C2
AUTO
SHUT DOWN
RELAY
OUTPUT
FUEL
INJECTOR
NO. 2
DRIVER
FUEL
INJECTOR
NO. 4
DRIVER
FUEL
INJECTOR
NO. 6
DRIVER
FUEL
INJECTOR
NO. 8
DRIVER
FUEL
INJECTOR
NO. 10
DRIVER
POWERTRAIN
CONTROL
MODULE

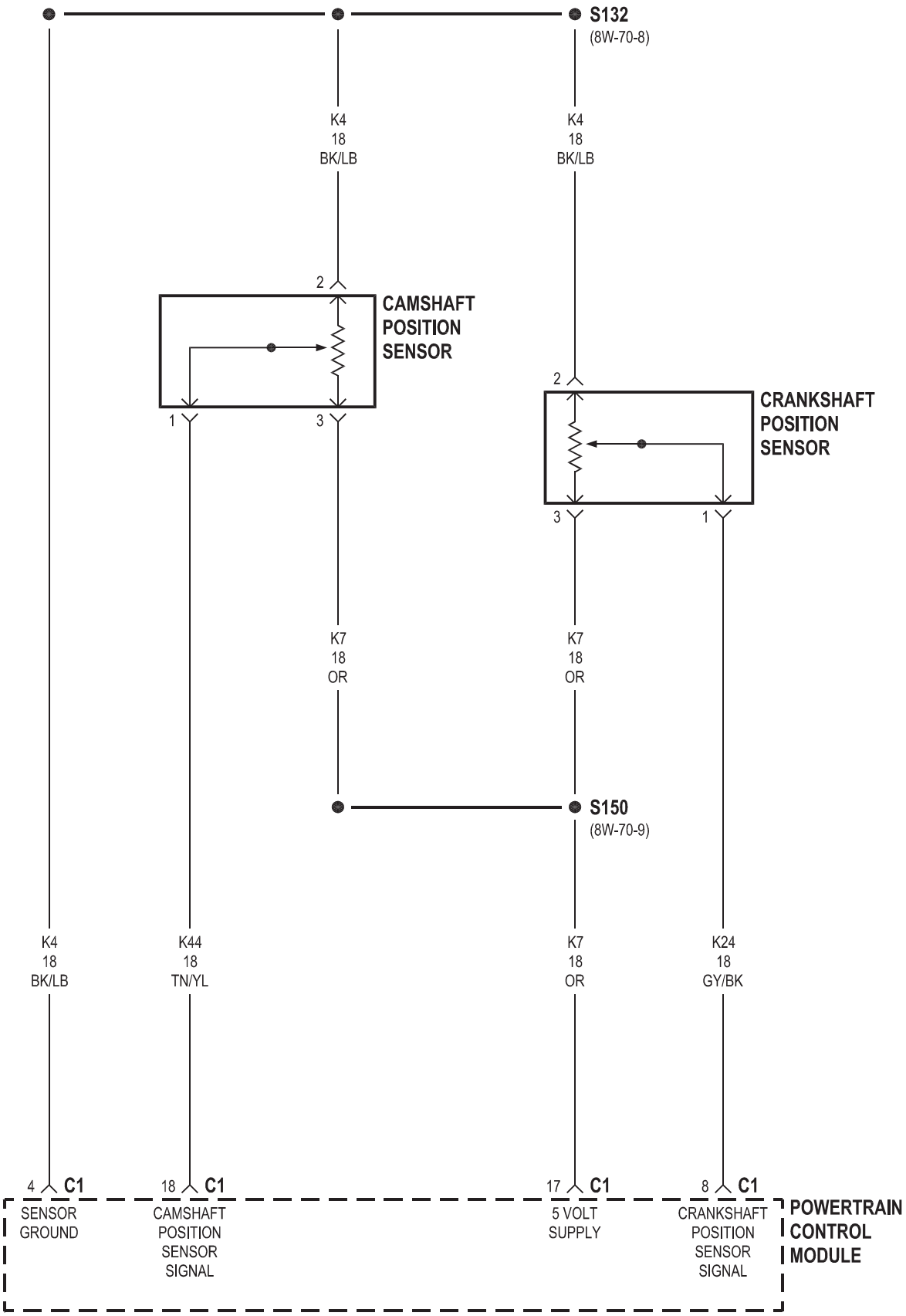

FROM
C130
(8W-30-4)
C
A141
18
DG/WT
S138
(8W-10-25)
S130
(8W-70-3)
(8W-70-4)
K4
18
BK/LB
A/T
M/T
S144
(8W-70-3)
(8W-70-4)
A141
18
DG/WT
K4
18
BK/LB
K4
18
BK/LB
A141
18
DG/WT
1
3
A/T
M/T
3
1
OXYGEN
SENSOR
1/1
UPSTREAM
K4
18
BK/LB
K4
18
BK/LB
K4
18
BK/LB
OXYGEN
SENSOR
1/2
DOWNSTREAM
2
4
4
2
S132
(8W-70-4)
S132
(8W-70-3)
K199
18
BR/VT
K41
18
BK/DG
K4
18
BK/LB
K4
18
BK/LB
K4
18
BK/LB
K141
18
TN/WT
K299
18
BR/WT
S131
(8W-70-4)
S131
(8W-70-3)
K4
18
BK/LB
8
C3
24
C1
4
C1
25
C1
16
C3
POWERTRAIN
CONTROL
MODULE
OXYGEN
SENSOR
1/1
HEATER
CONTROL
OXYGEN
SENSOR
1/1
SIGNAL
SENSOR
GROUND
OXYGEN
SENSOR
1/2
SIGNAL
OXYGEN
SENSOR
1/2
HEATER
CONTROL

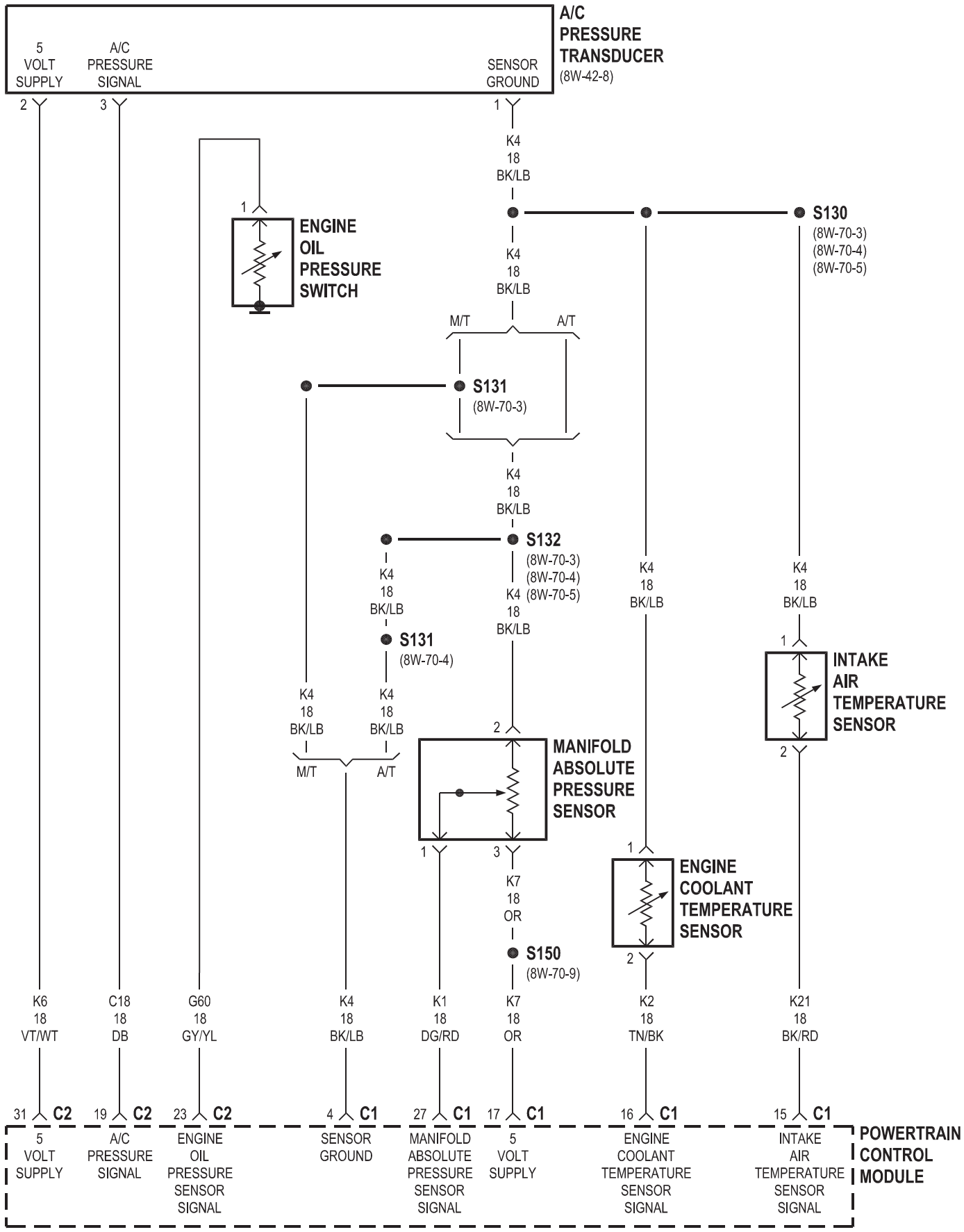

FROM
C130
(8W-30-4)
C
A141
18
DG/WT
S138
(8W-10-25)
A141
18
DG/WT
K4
18
BK/LB
K4
18
BK/LB
A141
18
DG/WT
1
3
OXYGEN
SENSOR
1/1
UPSTREAM
3
1
OXYGEN
SENSOR
1/2
DOWNSTREAM
2
4
4
2
S132
(8W-70-8)
K199
18
BR/VT
K41
18
BK/DG
K4
18
BK/LB
K141
18
TN/WT
K299
18
BR/WT
8 C3
24 C1
4 C1
25 C1
16 C3
OXYGEN
SENSOR
1/1
HEATER
CONTROL
OXYGEN
SENSOR
1/1
SIGNAL
SENSOR
GROUND
OXYGEN
SENSOR
1/2
SIGNAL
OXYGEN
SENSOR
1/2
HEATER
CONTROL
POWERTRAIN
CONTROL
MODULE

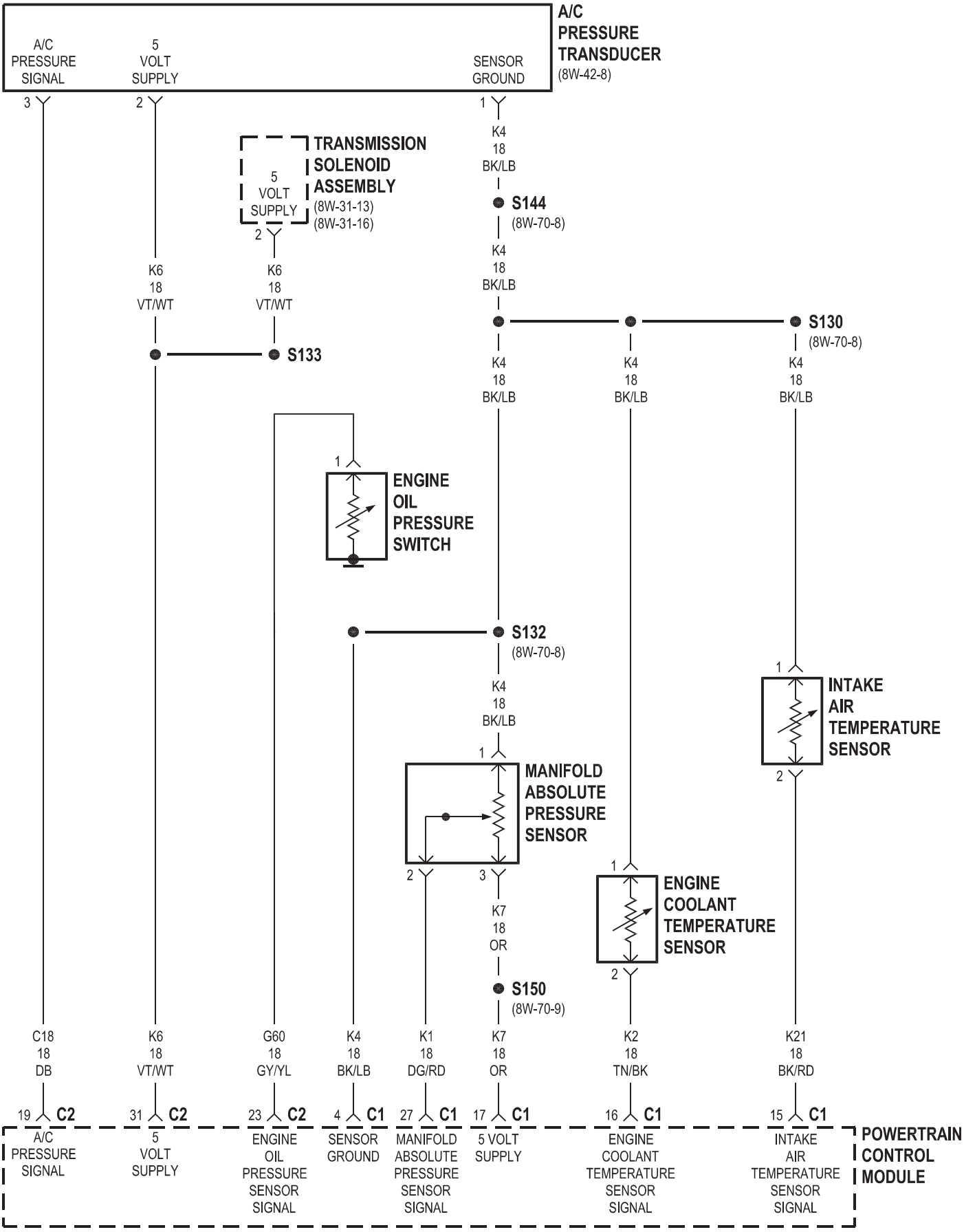

FROM
C130
(8W-30-4)
C
A141
18
DG/WT
S138
(8W-10-25)
S130
(8W-70-8)
A141
18
DG/WT
K4
18
BK/LB
K4
18
BK/LB
K4
18
BK/LB
A141
18
DG/WT
1
3
OXYGEN
SENSOR
1/1
UPSTREAM
2
4
3
1
OXYGEN
SENSOR
2/1
UPSTREAM
4
2
S132
(8W-70-8)
K199
18
BR/VT
K41
18
BK/DG
K4
18
BK/LB
K241
18
LG/RD
K299
18
BR/WT
8 C3
OXYGEN
SENSOR
1/1
HEATER
CONTROL
24 C1
OXYGEN
SENSOR
1/1
SIGNAL
4 C1
SENSOR
GROUND
26 C1
OXYGEN
SENSOR
2/1
SIGNAL
16 C3
OXYGEN
SENSOR
1/2
HEATER
CONTROL
POWERTRAIN
CONTROL
MODULE

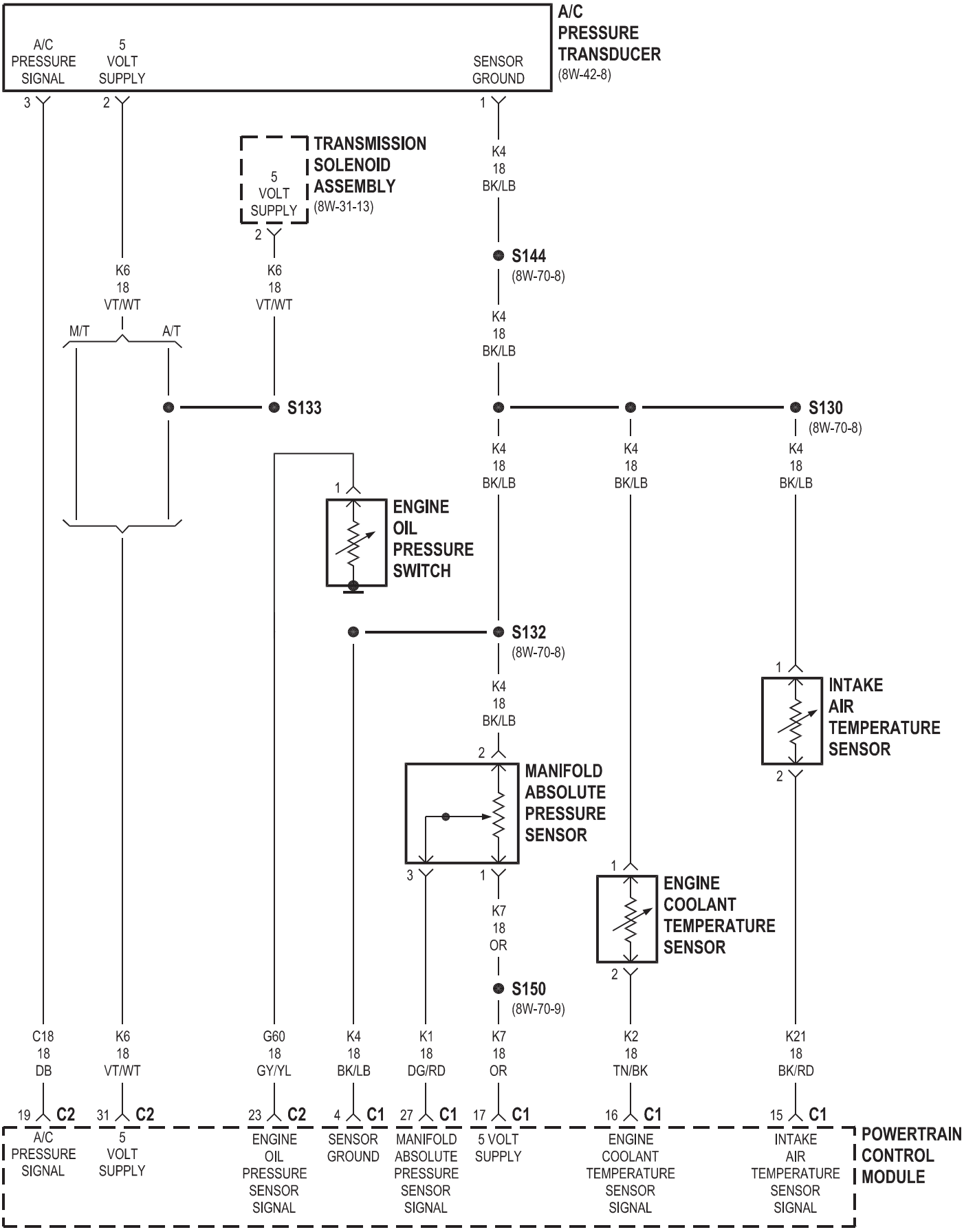

FROM
C130
(8W-30-4)
E
A42
18
DG
S139
(8W-10-25)
S130
(8W-70-8)
K4
18
BK/LB
S184
A42
18
DG
S182
(8W-10-25)
A42
18
DG
K4
18
BK/LB
K4
18
BK/LB
K4
18
DB
A42
18
DG
1
3
3
1
OXYGEN
SENSOR
1/2
DOWNSTREAM
OXYGEN
SENSOR
2/2
DOWNSTREAM
2
4
4
2
S132
(8W-70-8)
K341
18
OR
Z192
18
RD
Z193
18
BK/WT
K141
18
TN/WT
S181
S183
K4
18
BK/LB
K341
18
TN/WT
Z192
18
BK/WT
25
C1
4
C1
29
C1
OXYGEN
SENSOR
1/2
SIGNAL
SENSOR
GROUND
OXYGEN
SENSOR
2/2
SIGNAL
POWERTRAIN
CONTROL
MODULE
G107
(8W-15-9)

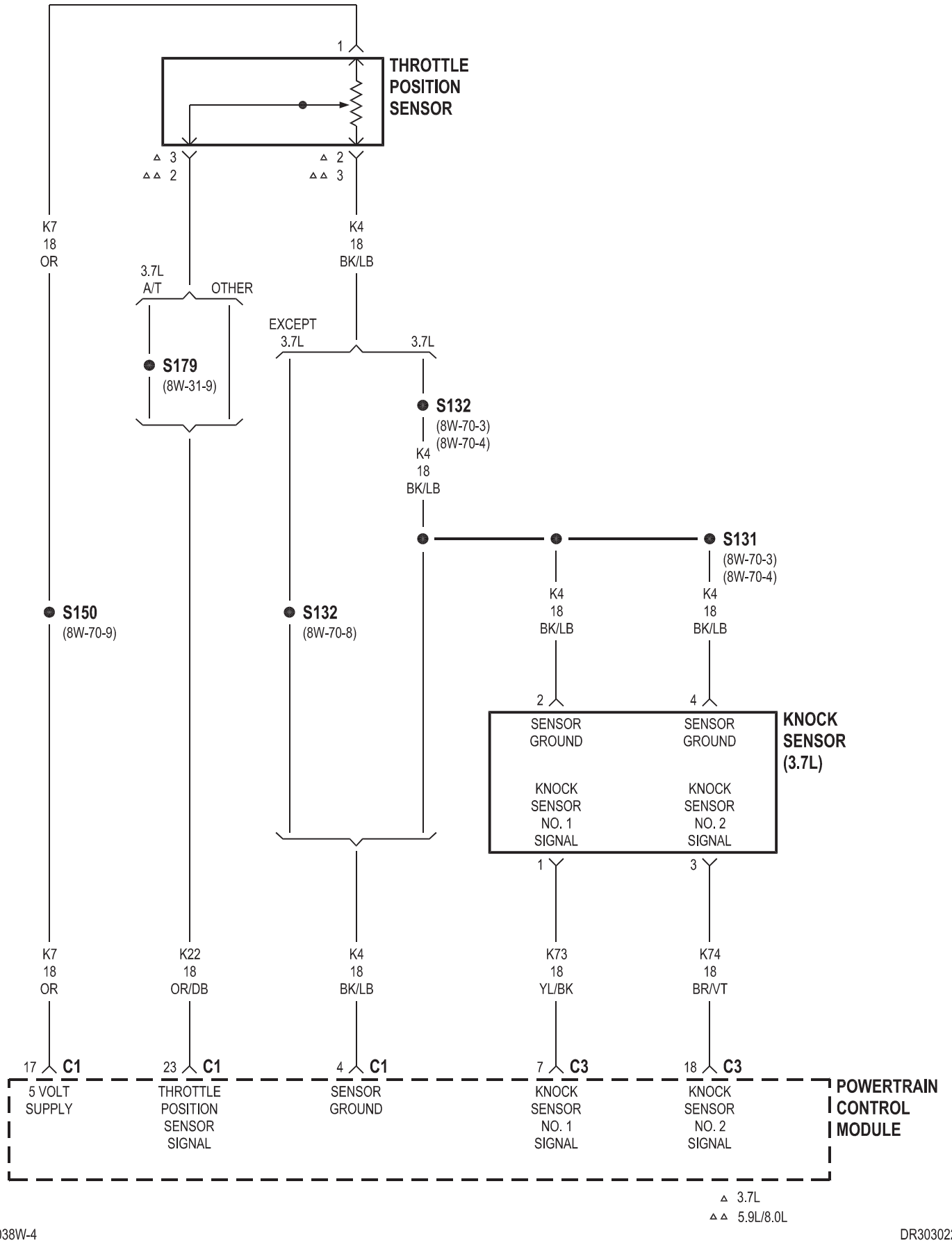

S132
(8W-70-3)
(8W-70-4)
(8W-70-8)
5.9L
3.7L
K4
20
BK/LB
K4
18
BK/LB
2
CAMSHAFT
POSITION
SENSOR
1
3
3.7L
5.9L
K7
18
OR
K7
20
OR
CRANKSHAFT
POSITION
SENSOR
3.7L/4.7L
K24
18
GY/BK
EXCEPT
3.7L A/T
S178
S131
(8W-70-3)
(8W-70-4)
S150
(8W-70-9)
6
CRANKSHAFT
POSITION
SENSOR
SIGNAL
TRANSMISSION
CONTROL
MODULE
(8W-31-8)
K44
18
TN/YL
4
C1
SENSOR
GROUND
18
CAMSHAFT
POSITION
SENSOR
SIGNAL
17
5 VOLT
SUPPLY
8
CRANKSHAFT
POSITION
SENSOR
SIGNAL
POWERTRAIN
CONTROL
MODULE

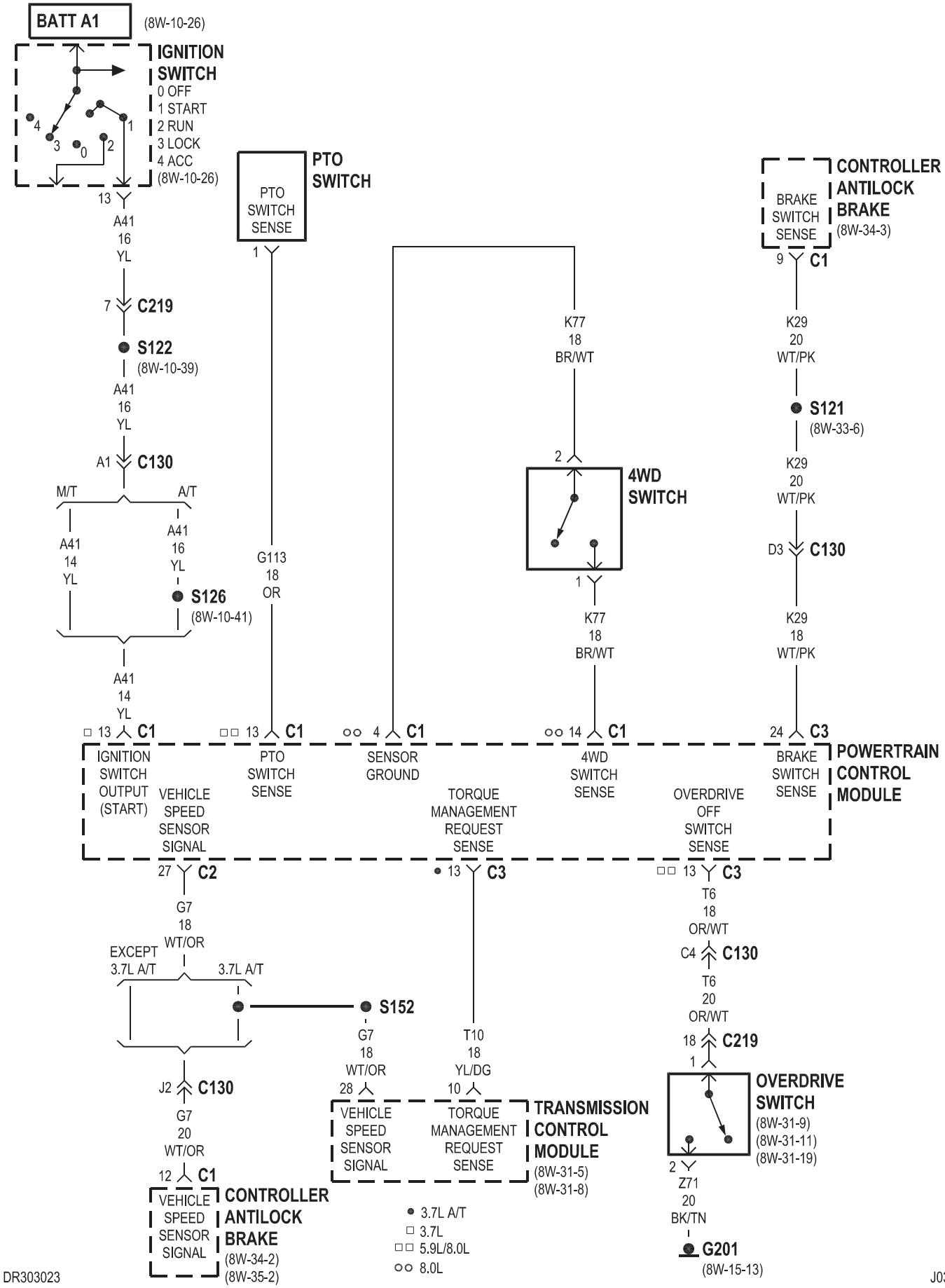

S132
(8W-70-8)
K4
18
BK/LB
K4
18
BK/LB
2
CAMSHAFT
POSITION
SENSOR
1
3
2
CRANKSHAFT
POSITION
SENSOR
3
1
K7
18
OR
K7
18
OR
S150
(8W-70-9)
K4
18
BK/LB
K44
18
TN/YL
K7
18
OR
K24
18
GY/BK
4 C1
SENSOR
GROUND
18 C1
CAMSHAFT
POSITION
SENSOR
SIGNAL
17 C1
5 VOLT
SUPPLY
8 C1
CRANKSHAFT
POSITION
SENSOR
SIGNAL
POWERTRAIN
CONTROL
MODULE

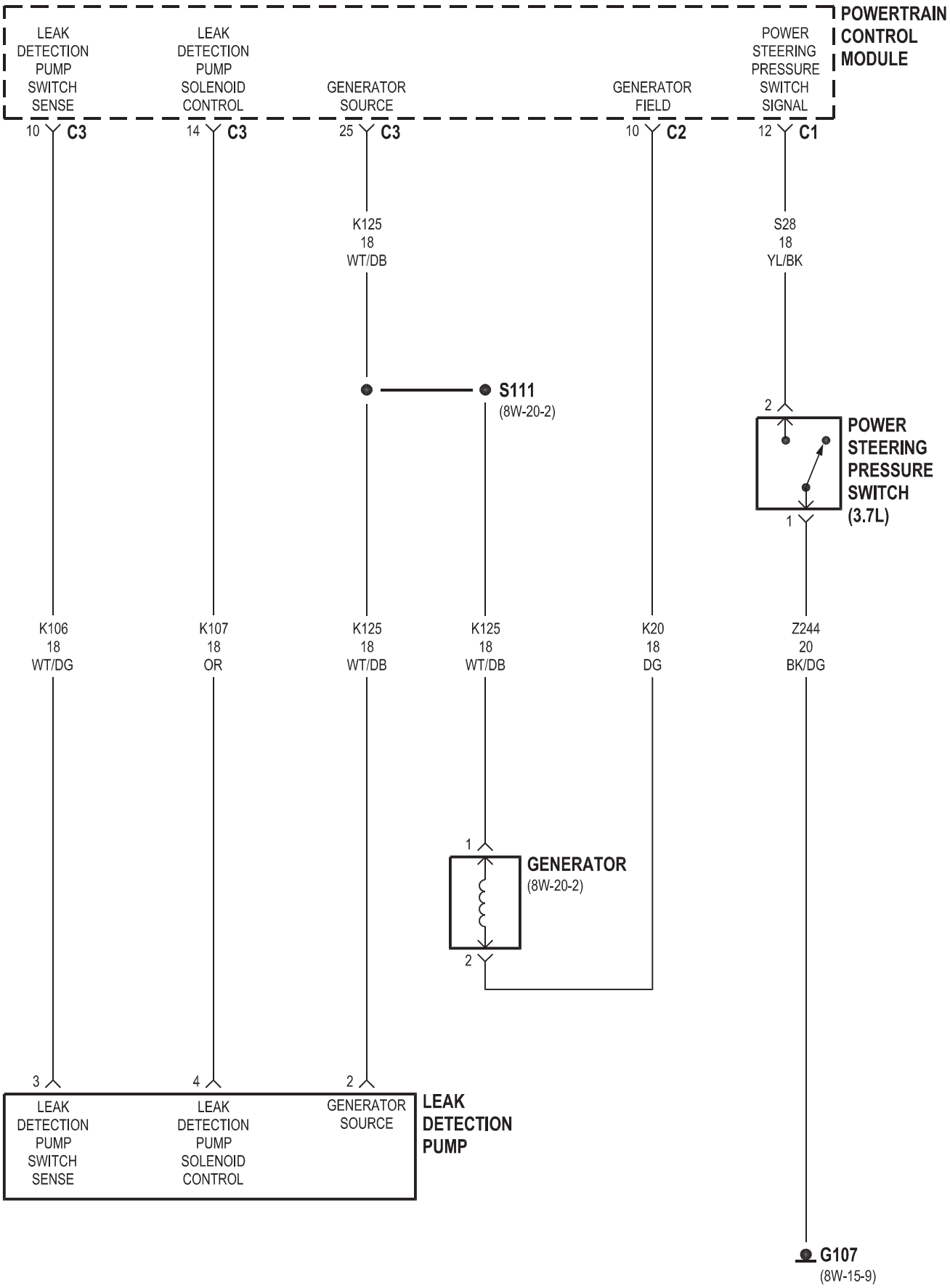

A/C PRESSURE TRANSDUCER
(8W-42-8)
5 VOLT SUPPLY
A/C PRESSURE SIGNAL
SENSOR GROUND
2
3
1
K4 18 BK/LB
ENGINE OIL PRESSURE SWITCH
S130
(8W-70-3)
(8W-70-4)
(8W-70-5)
M/T
A/T
S131
(8W-70-3)
S132
(8W-70-3)
(8W-70-4)
(8W-70-5)
S131
(8W-70-4)
MANIFOLD ABSOLUTE PRESSURE SENSOR
INTAKE AIR TEMPERATURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
S150
(8W-70-9)
K7 18 OR
K6 18 VT/WT
C18 18 DB
G60 18 GY/YL
K4 18 BK/LB
K1 18 DG/RD
K2 18 TN/BK
K21 18 BK/RD
31 C2
19 C2
23 C2
4 C1
27 C1
17 C1
16 C1
15 C1
5 VOLT SUPPLY
A/C PRESSURE SIGNAL
ENGINE OIL PRESSURE SENSOR SIGNAL
SENSOR GROUND
MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
5 VOLT SUPPLY
ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
INTAKE AIR TEMPERATURE SENSOR SIGNAL
POWERTRAIN CONTROL MODULE

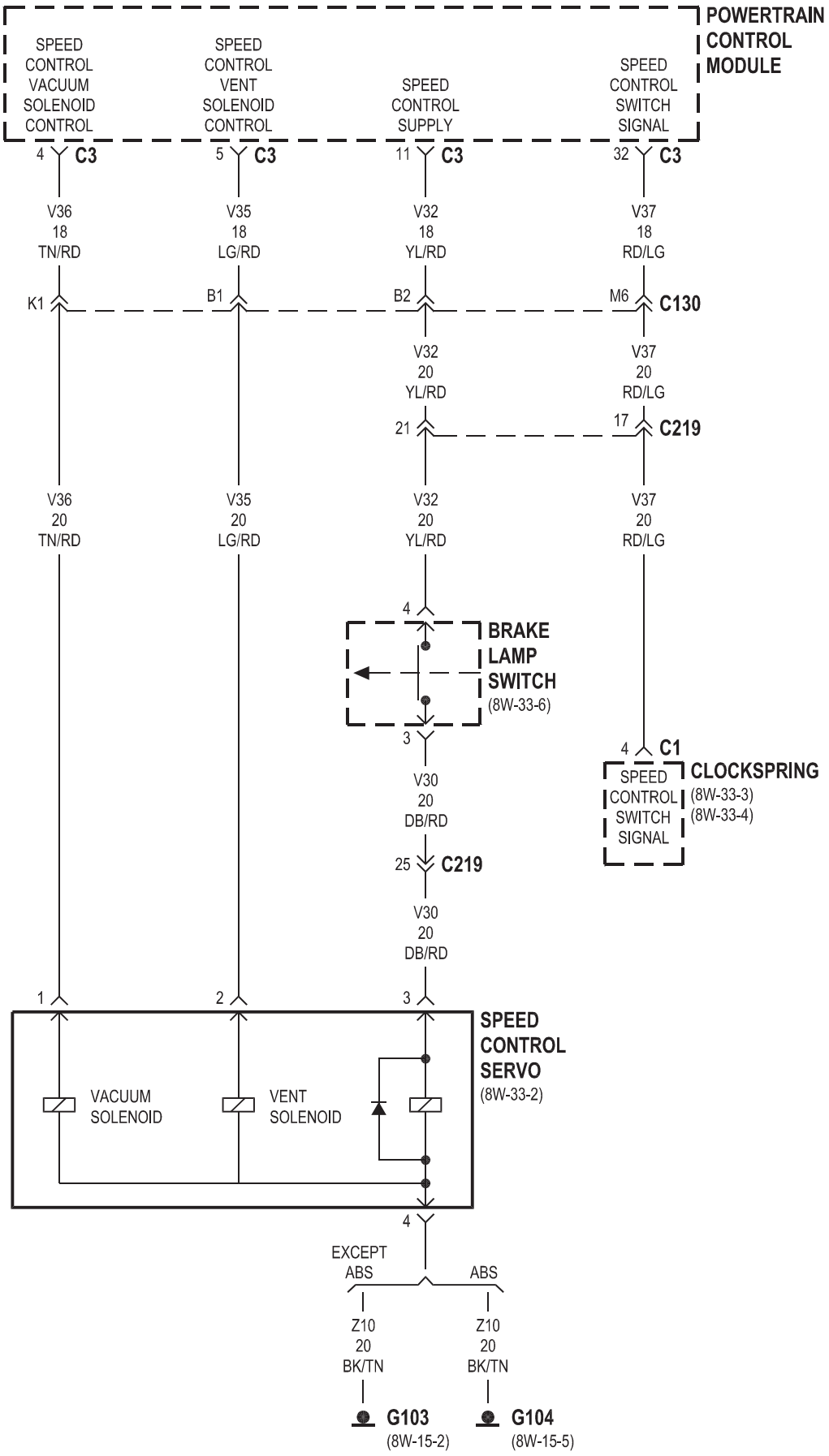

A/C PRESSURE TRANSDUCER
(8W-42-8)
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
3
2
1
K4 18 BK/LB
TRANSMISSION SOLENOID ASSEMBLY
(8W-31-13)
(8W-31-16)
5 VOLT SUPPLY
S144
(8W-70-8)
K6 18 VT/WT
S133
S130
(8W-70-8)
ENGINE OIL PRESSURE SWITCH
S132
(8W-70-8)
INTAKE AIR TEMPERATURE SENSOR
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
K7 18 OR
S150
(8W-70-9)
C18 18 DB
K6 18 VT/WT
G60 18 GY/YL
K4 18 BK/LB
K1 18 DG/RD
K7 18 OR
K2 18 TN/BK
K21 18 BK/RD
19 C2
31 C2
23 C2
4 C1
27 C1
17 C1
16 C1
15 C1
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
ENGINE OIL PRESSURE SENSOR SIGNAL
SENSOR GROUND
MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
5 VOLT SUPPLY
ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
INTAKE AIR TEMPERATURE SENSOR SIGNAL
POWERTRAIN CONTROL MODULE

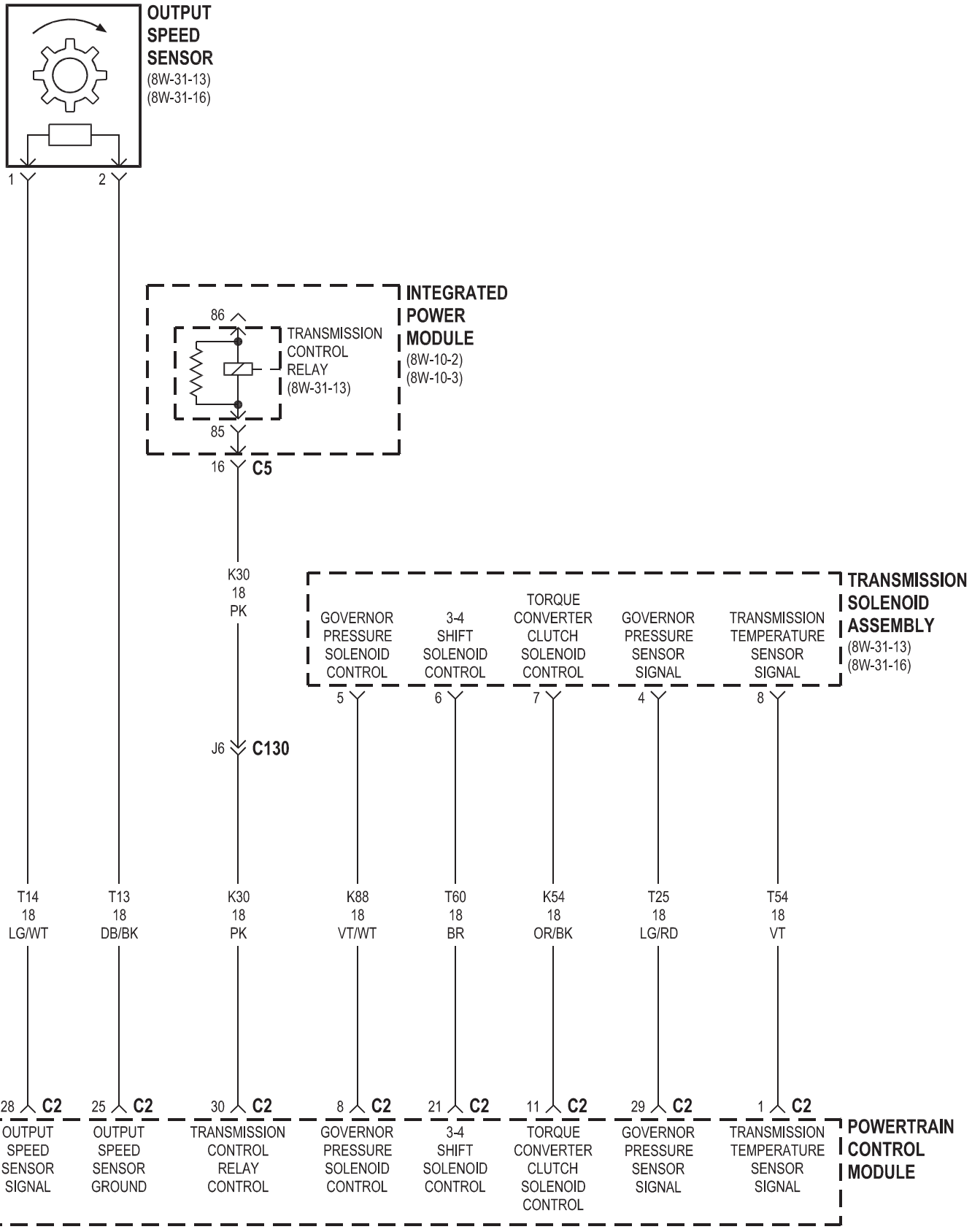

A/C PRESSURE TRANSDUCER
(8W-42-8)
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
3
2
1
TRANSMISSION SOLENOID ASSEMBLY
(8W-31-13)
5 VOLT SUPPLY
2
K4 18 BK/LB
S144
(8W-70-8)
K6 18 VT/WT
K6 18 VT/WT
M/T
A/T
S133
S130
(8W-70-8)
K4 18 BK/LB
K4 18 BK/LB
K4 18 BK/LB
1
ENGINE OIL PRESSURE SWITCH
S132
(8W-70-8)
K4 18 BK/LB
2
MANIFOLD ABSOLUTE PRESSURE SENSOR
3
1
K7 18 OR
S150
(8W-70-9)
1
INTAKE AIR TEMPERATURE SENSOR
2
1
ENGINE COOLANT TEMPERATURE SENSOR
2
C18 18 DB
K6 18 VT/WT
G60 18 GY/YL
K4 18 BK/LB
K1 18 DG/RD
K7 18 OR
K2 18 TN/BK
K21 18 BK/RD
19 C2
31 C2
23 C2
4 C1
27 C1
17 C1
16 C1
15 C1
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
ENGINE OIL PRESSURE SENSOR SIGNAL
SENSOR GROUND
MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
5 VOLT SUPPLY
ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
INTAKE AIR TEMPERATURE SENSOR SIGNAL
POWERTRAIN CONTROL MODULE

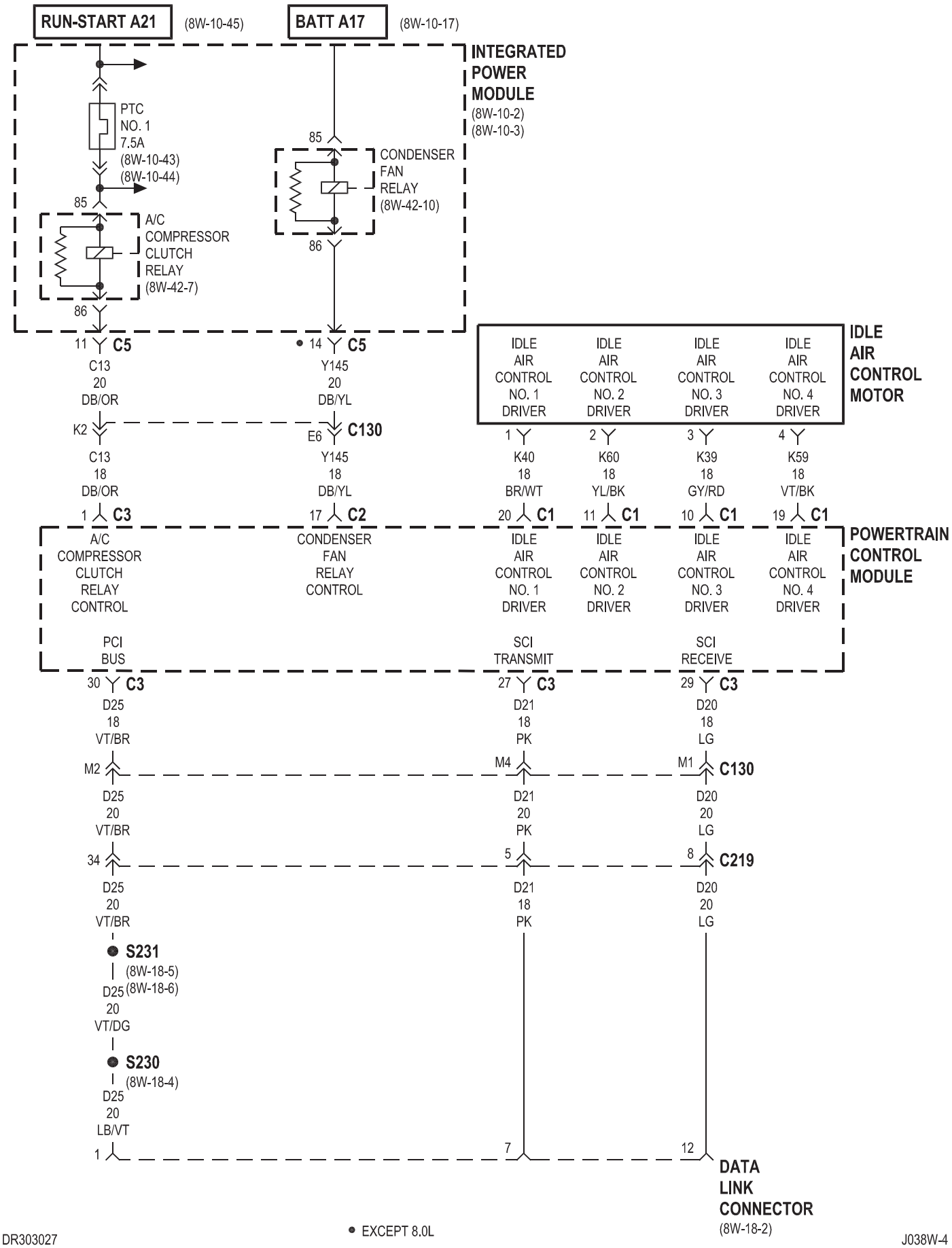

1
THROTTLE POSITION SENSOR
△ 3
△△ 2
△ 2
△△ 3
K7
18
OR
K4
18
BK/LB
3.7L
A/T
OTHER
EXCEPT
3.7L
3.7L
S179
(8W-31-9)
S132
(8W-70-3)
(8W-70-4)
K4
18
BK/LB
S131
(8W-70-3)
(8W-70-4)
S150
(8W-70-9)
S132
(8W-70-8)
K4
18
BK/LB
K4
18
BK/LB
2
4
SENSOR GROUND
SENSOR GROUND
KNOCK SENSOR (3.7L)
KNOCK SENSOR NO. 1 SIGNAL
KNOCK SENSOR NO. 2 SIGNAL
1
3
K7
18
OR
K22
18
OR/DB
K4
18
BK/LB
K73
18
YL/BK
K74
18
BR/VT
17 C1
23 C1
4 C1
7 C3
18 C3
5 VOLT SUPPLY
THROTTLE POSITION SENSOR SIGNAL
SENSOR GROUND
KNOCK SENSOR NO. 1 SIGNAL
KNOCK SENSOR NO. 2 SIGNAL
POWERTRAIN CONTROL MODULE
△ 3.7L
△△ 5.9L/8.0L


BATT A1
(8W-10-26)
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
(8W-10-26)
13
A41
16
YL
7 C219
S122
(8W-10-39)
A41
16
YL
A1 C130
M/T
A/T
A41
14
YL
A41
16
YL
S126
(8W-10-41)
A41
14
YL
□ 13 C1
IGNITION SWITCH OUTPUT (START)
PTO SWITCH
PTO SWITCH SENSE
1
G113
18
OR
□□ 13 C1
PTO SWITCH SENSE
oo 4 C1
SENSOR GROUND
K77
18
BR/WT
2
4WD SWITCH
1
K77
18
BR/WT
oo 14 C1
4WD SWITCH SENSE
CONTROLLER ANTILOCK BRAKE
(8W-34-3)
BRAKE SWITCH SENSE
9 C1
K29
20
WT/PK
S121
(8W-33-6)
K29
20
WT/PK
D3 C130
K29
18
WT/PK
24 C3
BRAKE SWITCH SENSE
POWERTRAIN CONTROL MODULE
VEHICLE SPEED SENSOR SIGNAL
27 C2
G7
18
WT/OR
EXCEPT 3.7L A/T
3.7L A/T
S152
J2 C130
G7
20
WT/OR
12 C1
VEHICLE SPEED SENSOR SIGNAL
CONTROLLER ANTILOCK BRAKE
(8W-34-2)
(8W-35-2)
TORQUE MANAGEMENT REQUEST SENSE
• 13 C3
G7
18
WT/OR
28
T10
18
YL/DG
10
VEHICLE SPEED SENSOR SIGNAL
TORQUE MANAGEMENT REQUEST SENSE
TRANSMISSION CONTROL MODULE
(8W-31-5)
(8W-31-8)
OVERDRIVE OFF SWITCH SENSE
□□ 13 C3
T6
18
OR/WT
C4 C130
T6
20
OR/WT
18 C219
1
OVERDRIVE SWITCH
(8W-31-9)
(8W-31-11)
(8W-31-19)
2
Z71
20
BK/TN
G201
(8W-15-13)
• 3.7L A/T
□ 3.7L
□□ 5.9L/8.0L
oo 8.0L

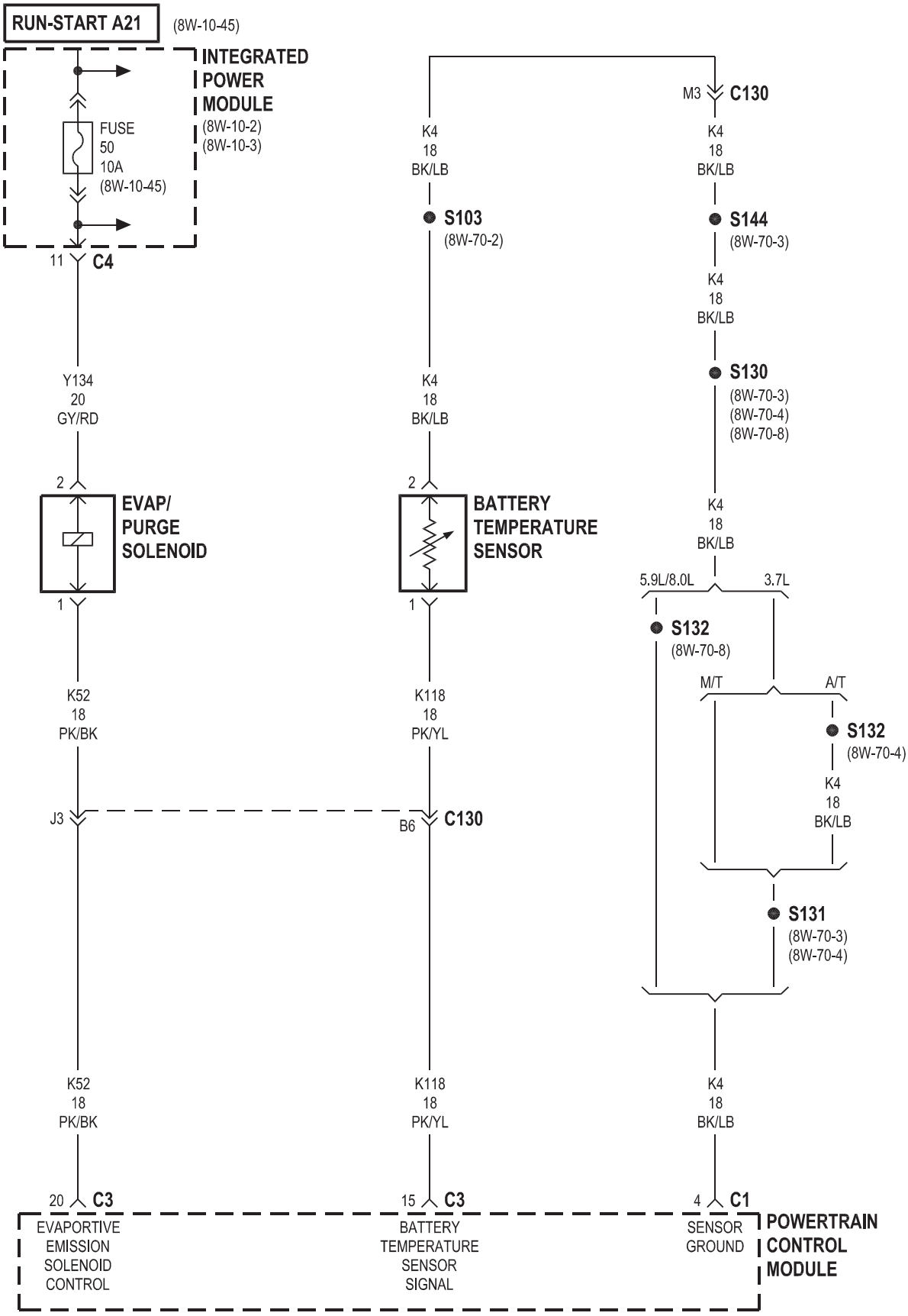

POWERTRAIN CONTROL MODULE
LEAK DETECTION PUMP SWITCH SENSE
LEAK DETECTION PUMP SOLENOID CONTROL
GENERATOR SOURCE
GENERATOR FIELD
POWER STEERING PRESSURE SWITCH SIGNAL
10 C3
14 C3
25 C3
10 C2
12 C1
K125 18 WT/DB
S28 18 YL/BK
S111 (8W-20-2)
2
POWER STEERING PRESSURE SWITCH (3.7L)
1
K106 18 WT/DG
K107 18 OR
K125 18 WT/DB
K125 18 WT/DB
K20 18 DG
Z244 20 BK/DG
1
GENERATOR (8W-20-2)
2
3
4
2
LEAK DETECTION PUMP SWITCH SENSE
LEAK DETECTION PUMP SOLENOID CONTROL
GENERATOR SOURCE
LEAK DETECTION PUMP
G107 (8W-15-9)

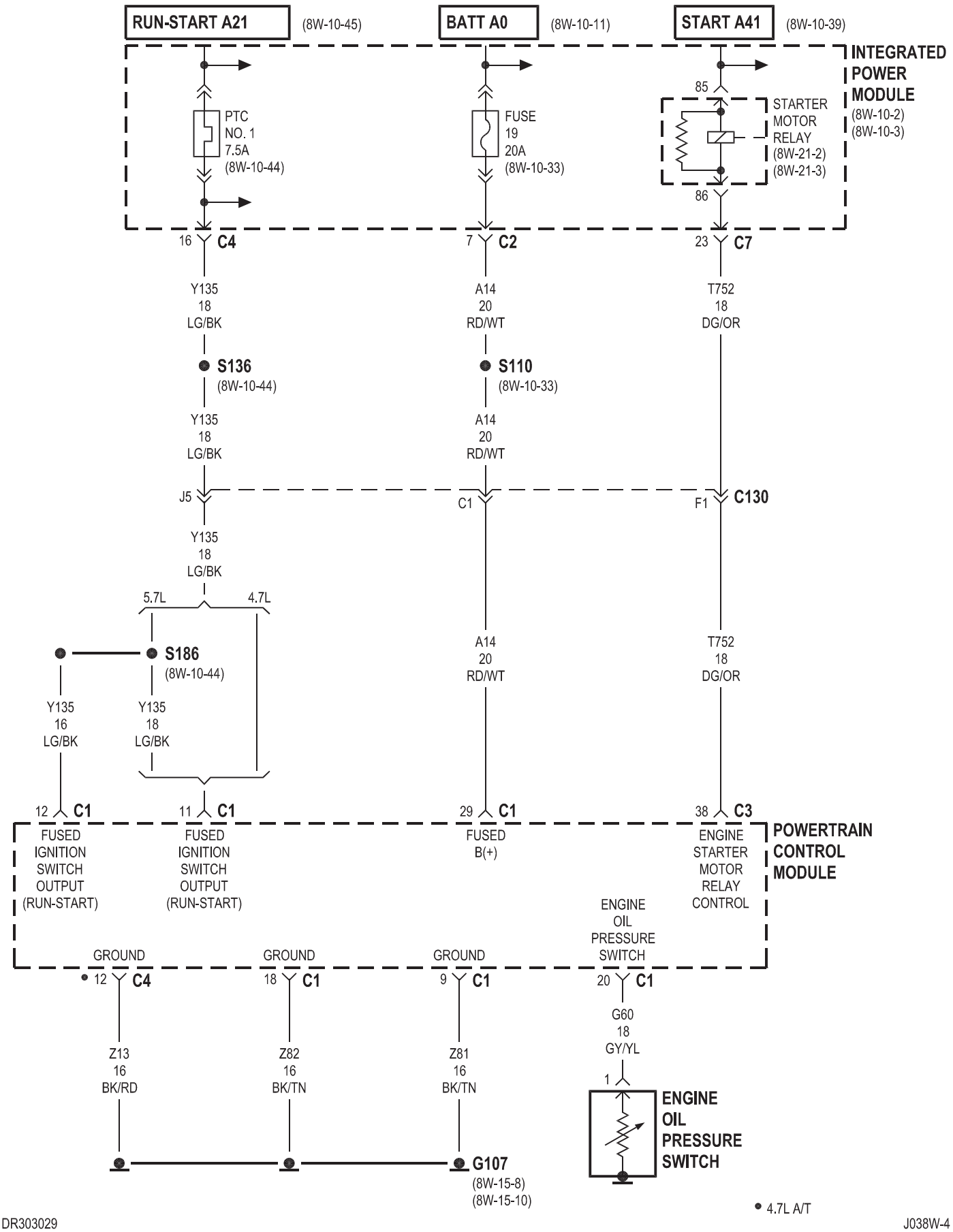

POWERTRAIN CONTROL MODULE
SPEED CONTROL VACUUM SOLENOID CONTROL
SPEED CONTROL VENT SOLENOID CONTROL
SPEED CONTROL SUPPLY
SPEED CONTROL SWITCH SIGNAL
4 C3
5 C3
11 C3
32 C3
V36 18 TN/RD
V35 18 LG/RD
V32 18 YL/RD
V37 18 RD/LG
K1
B1
B2
M6 C130
V32 20 YL/RD
V37 20 RD/LG
21
17 C219
V36 20 TN/RD
V35 20 LG/RD
V32 20 YL/RD
V37 20 RD/LG
4
BRAKE LAMP SWITCH
(8W-33-6)
3
4 C1
SPEED CONTROL SWITCH SIGNAL
CLOCKSPRING
(8W-33-3)
(8W-33-4)
V30 20 DB/RD
25 C219
V30 20 DB/RD
1
2
3
SPEED CONTROL SERVO
(8W-33-2)
VACUUM SOLENOID
VENT SOLENOID
4
EXCEPT ABS
ABS
Z10 20 BK/TN
Z10 20 BK/TN
G103
(8W-15-2)
G104
(8W-15-5)

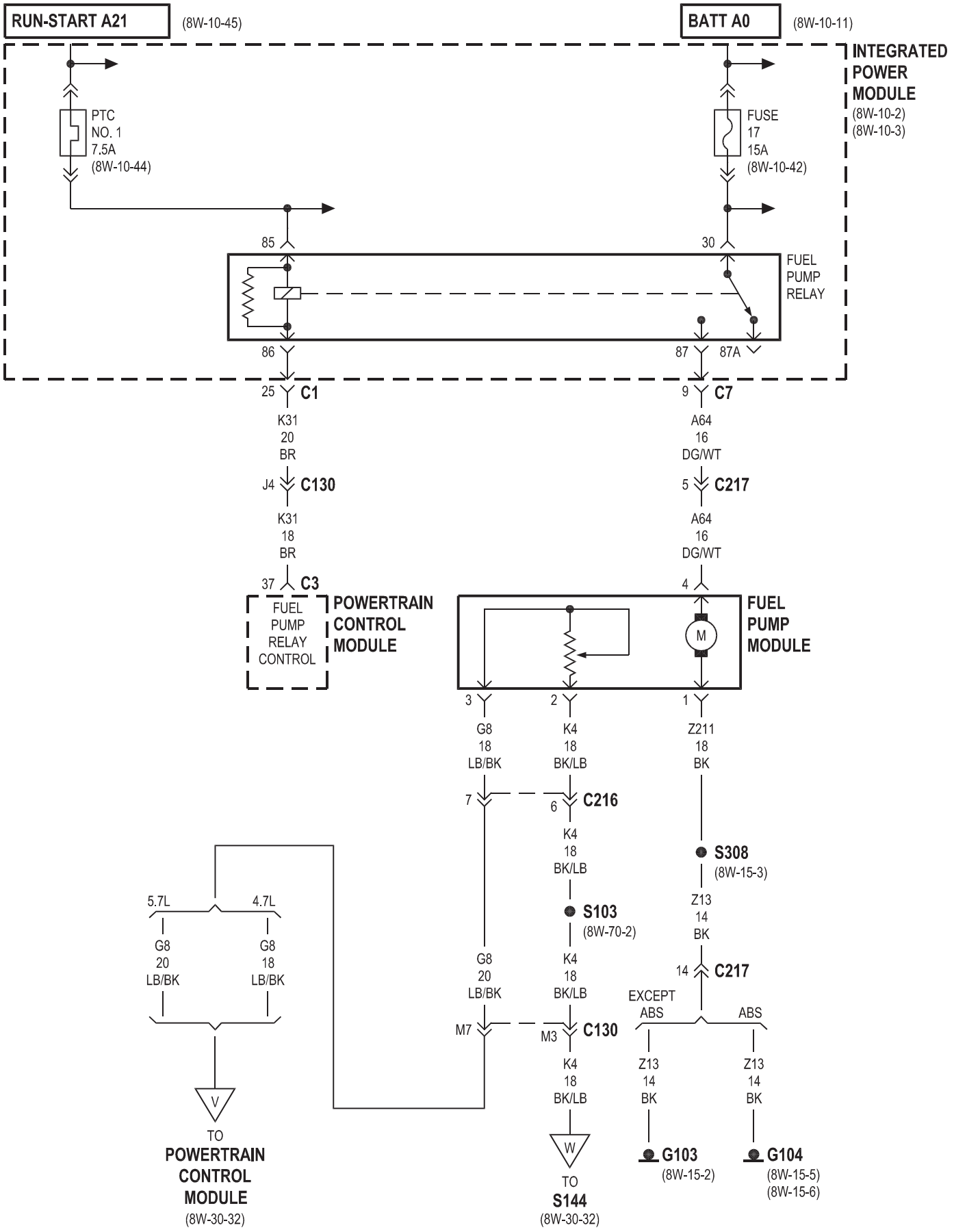

OUTPUT SPEED SENSOR
(8W-31-13)
(8W-31-16)
1
2
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
86
TRANSMISSION CONTROL RELAY
(8W-31-13)
85
16 C5
K30
18
PK
J6 C130
TRANSMISSION SOLENOID ASSEMBLY
(8W-31-13)
(8W-31-16)
GOVERNOR PRESSURE SOLENOID CONTROL
3-4 SHIFT SOLENOID CONTROL
TORQUE CONVERTER CLUTCH SOLENOID CONTROL
GOVERNOR PRESSURE SENSOR SIGNAL
TRANSMISSION TEMPERATURE SENSOR SIGNAL
5
6
7
4
8
T14 18 LG/WT
T13 18 DB/BK
K30 18 PK
K88 18 VT/WT
T60 18 BR
K54 18 OR/BK
T25 18 LG/RD
T54 18 VT
28 C2
25 C2
30 C2
8 C2
21 C2
11 C2
29 C2
1 C2
OUTPUT SPEED SENSOR SIGNAL
OUTPUT SPEED SENSOR GROUND
TRANSMISSION CONTROL RELAY CONTROL
GOVERNOR PRESSURE SOLENOID CONTROL
3-4 SHIFT SOLENOID CONTROL
TORQUE CONVERTER CLUTCH SOLENOID CONTROL
GOVERNOR PRESSURE SENSOR SIGNAL
TRANSMISSION TEMPERATURE SENSOR SIGNAL
POWERTRAIN CONTROL MODULE

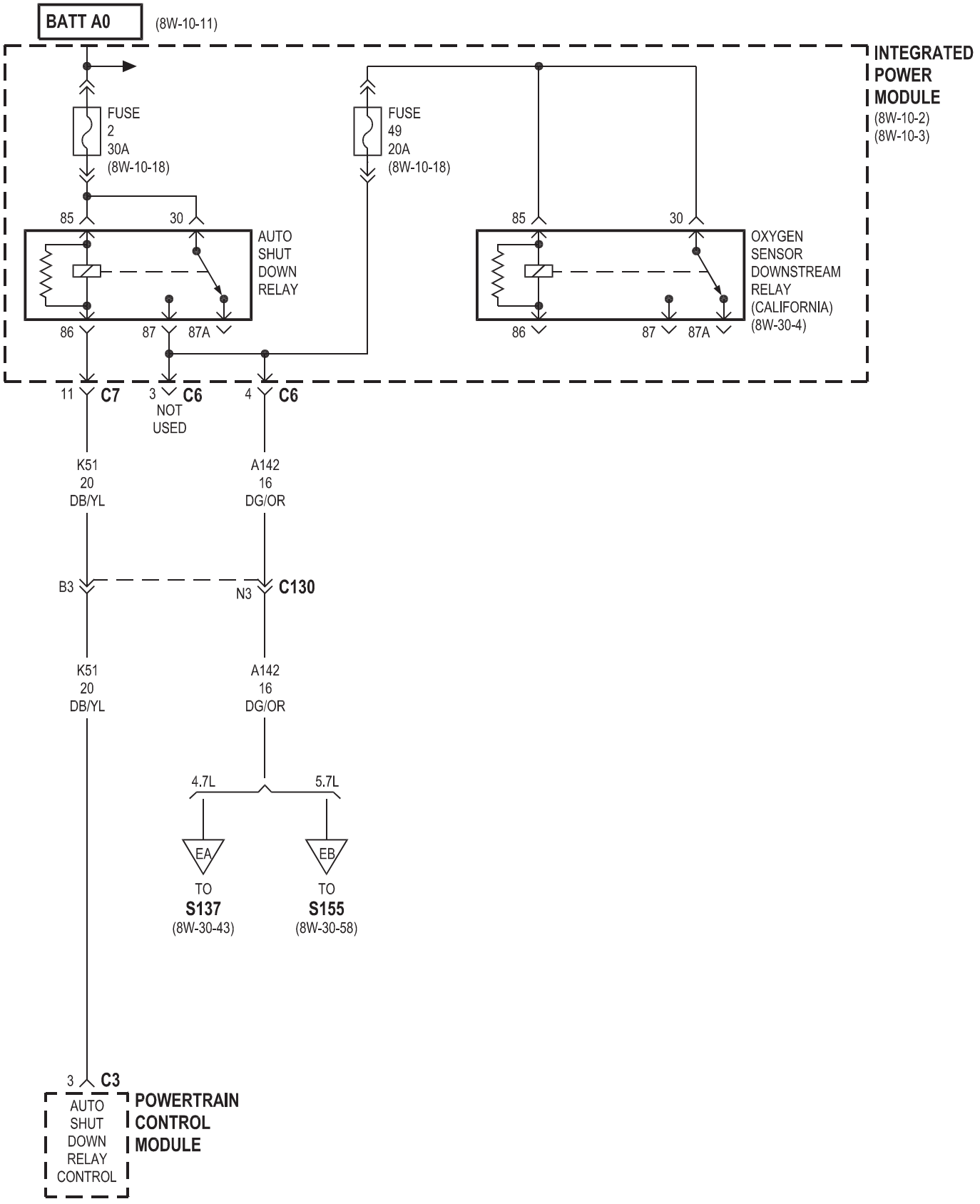

RUN-START A21
(8W-10-45)
BATT A17
(8W-10-17)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 1 7.5A
(8W-10-43)
(8W-10-44)
85
A/C COMPRESSOR CLUTCH RELAY
(8W-42-7)
86
85
CONDENSER FAN RELAY
(8W-42-10)
86
11 C5
C13
20
DB/OR
14 C5
Y145
20
DB/YL
K2
C13
18
DB/OR
E6 C130
Y145
18
DB/YL
IDLE AIR CONTROL NO. 1 DRIVER
IDLE AIR CONTROL NO. 2 DRIVER
IDLE AIR CONTROL NO. 3 DRIVER
IDLE AIR CONTROL NO. 4 DRIVER
IDLE AIR CONTROL MOTOR
1
2
3
4
K40
18
BR/WT
K60
18
YL/BK
K39
18
GY/RD
K59
18
VT/BK
1 C3
17 C2
20 C1
11 C1
10 C1
19 C1
A/C COMPRESSOR CLUTCH RELAY CONTROL
CONDENSER FAN RELAY CONTROL
IDLE AIR CONTROL NO. 1 DRIVER
IDLE AIR CONTROL NO. 2 DRIVER
IDLE AIR CONTROL NO. 3 DRIVER
IDLE AIR CONTROL NO. 4 DRIVER
POWERTRAIN CONTROL MODULE
PCI BUS
SCI TRANSMIT
SCI RECEIVE
30 C3
D25
18
VT/BR
27 C3
D21
18
PK
29 C3
D20
18
LG
M2
D25
20
VT/BR
M4
D21
20
PK
M1 C130
D20
20
LG
34
D25
20
VT/BR
5
D21
18
PK
8 C219
D20
20
LG
S231
(8W-18-5)
(8W-18-6)
D25
20
VT/DG
S230
(8W-18-4)
D25
20
LB/VT
1
7
12
DATA LINK CONNECTOR
(8W-18-2)

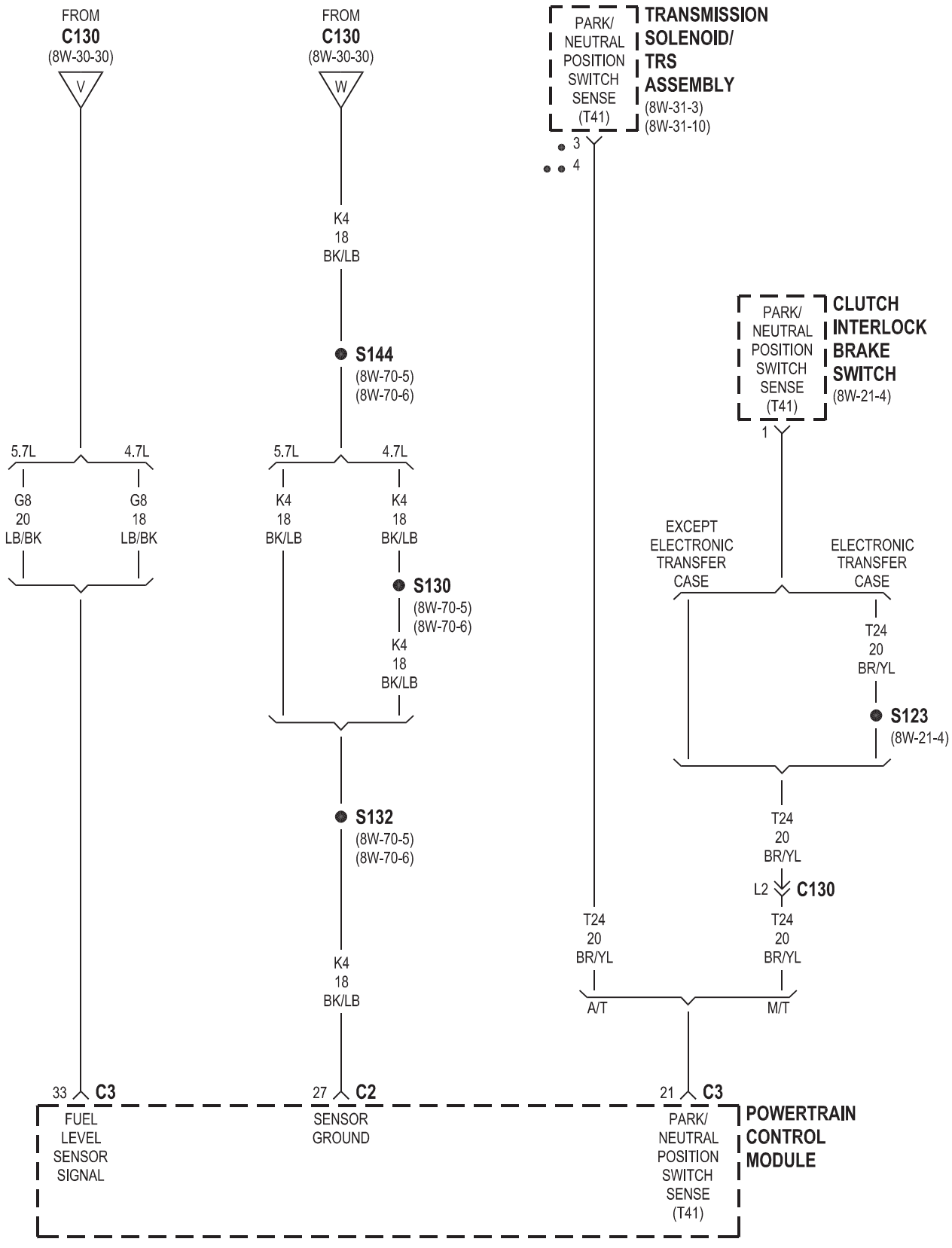
• EXCEPT 8.0L

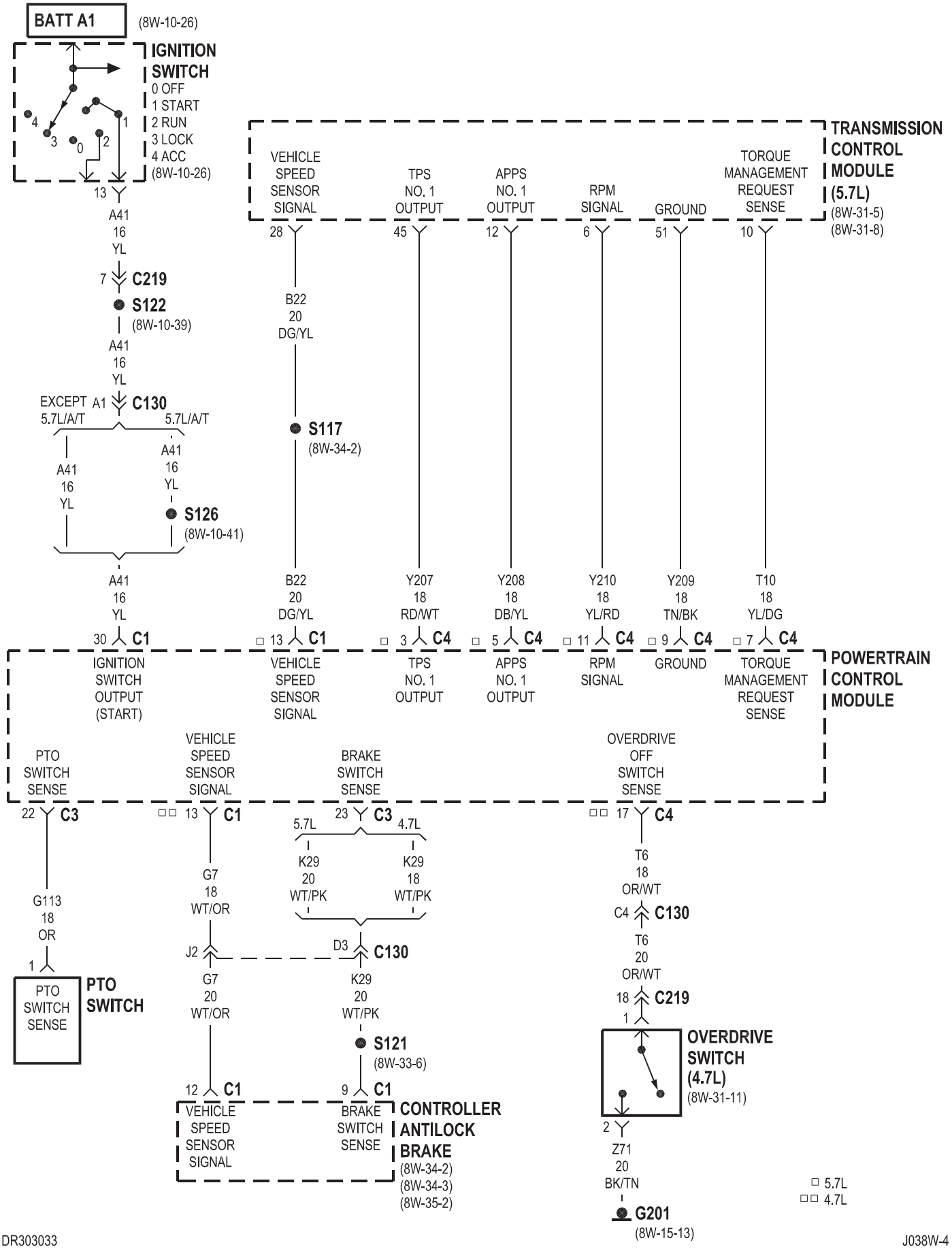

RUN-START A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 50 10A
(8W-10-45)
11 C4
Y134 20 GY/RD
2
EVAP/ PURGE SOLENOID
1
K52 18 PK/BK
J3
K52 18 PK/BK
20 C3
EVAPORTIVE EMISSION SOLENOID CONTROL
K4 18 BK/LB
S103
(8W-70-2)
K4 18 BK/LB
2
BATTERY TEMPERATURE SENSOR
1
K118 18 PK/YL
B6 C130
K118 18 PK/YL
15 C3
BATTERY TEMPERATURE SENSOR SIGNAL
M3 C130
K4 18 BK/LB
S144
(8W-70-3)
K4 18 BK/LB
S130
(8W-70-3)
(8W-70-4)
(8W-70-8)
K4 18 BK/LB
5.9L/8.0L
3.7L
S132
(8W-70-8)
M/T
A/T
S132
(8W-70-4)
K4 18 BK/LB
S131
(8W-70-3)
(8W-70-4)
K4 18 BK/LB
4 C1
SENSOR GROUND
POWERTRAIN CONTROL MODULE

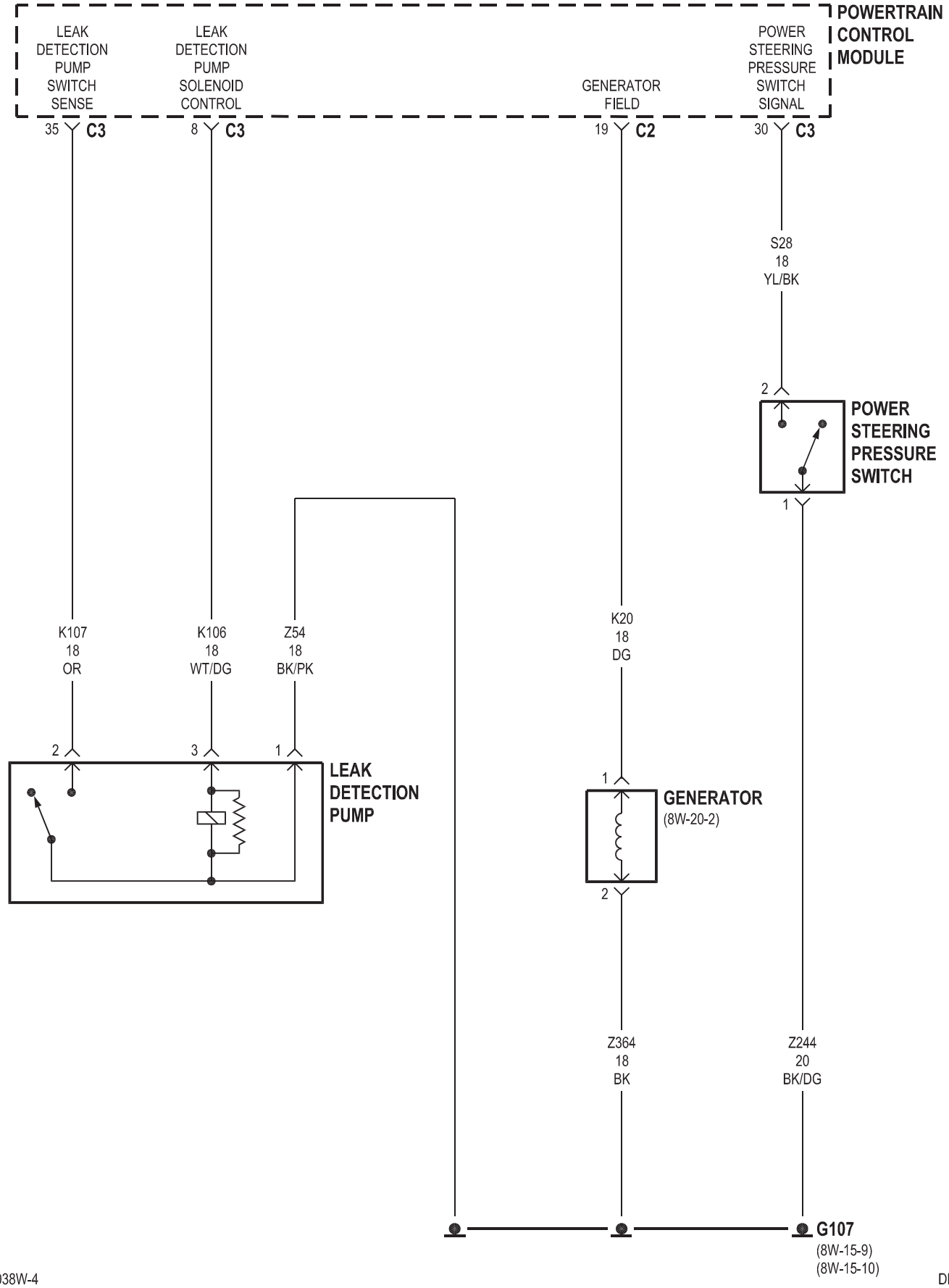

RUN-START A21
(8W-10-45)
BATT A0
(8W-10-11)
START A41
(8W-10-39)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 1 7.5A
(8W-10-44)
FUSE 19 20A
(8W-10-33)
85
STARTER MOTOR RELAY
(8W-21-2)
(8W-21-3)
86
16 C4
7 C2
23 C7
Y135 18 LG/BK
A14 20 RD/WT
T752 18 DG/OR
S136
(8W-10-44)
S110
(8W-10-33)
J5
C1
F1 C130
5.7L
4.7L
S186
(8W-10-44)
12 C1
11 C1
29 C1
38 C3
FUSED IGNITION SWITCH OUTPUT (RUN-START)
FUSED B(+)
ENGINE STARTER MOTOR RELAY CONTROL
POWERTRAIN CONTROL MODULE
ENGINE OIL PRESSURE SWITCH
GROUND
12 C4
18 C1
9 C1
20 C1
Z13 16 BK/RD
Z82 16 BK/TN
Z81 16 BK/TN
G60 18 GY/YL
1
ENGINE OIL PRESSURE SWITCH
G107
(8W-15-8)
(8W-15-10)
• 4.7L A/T

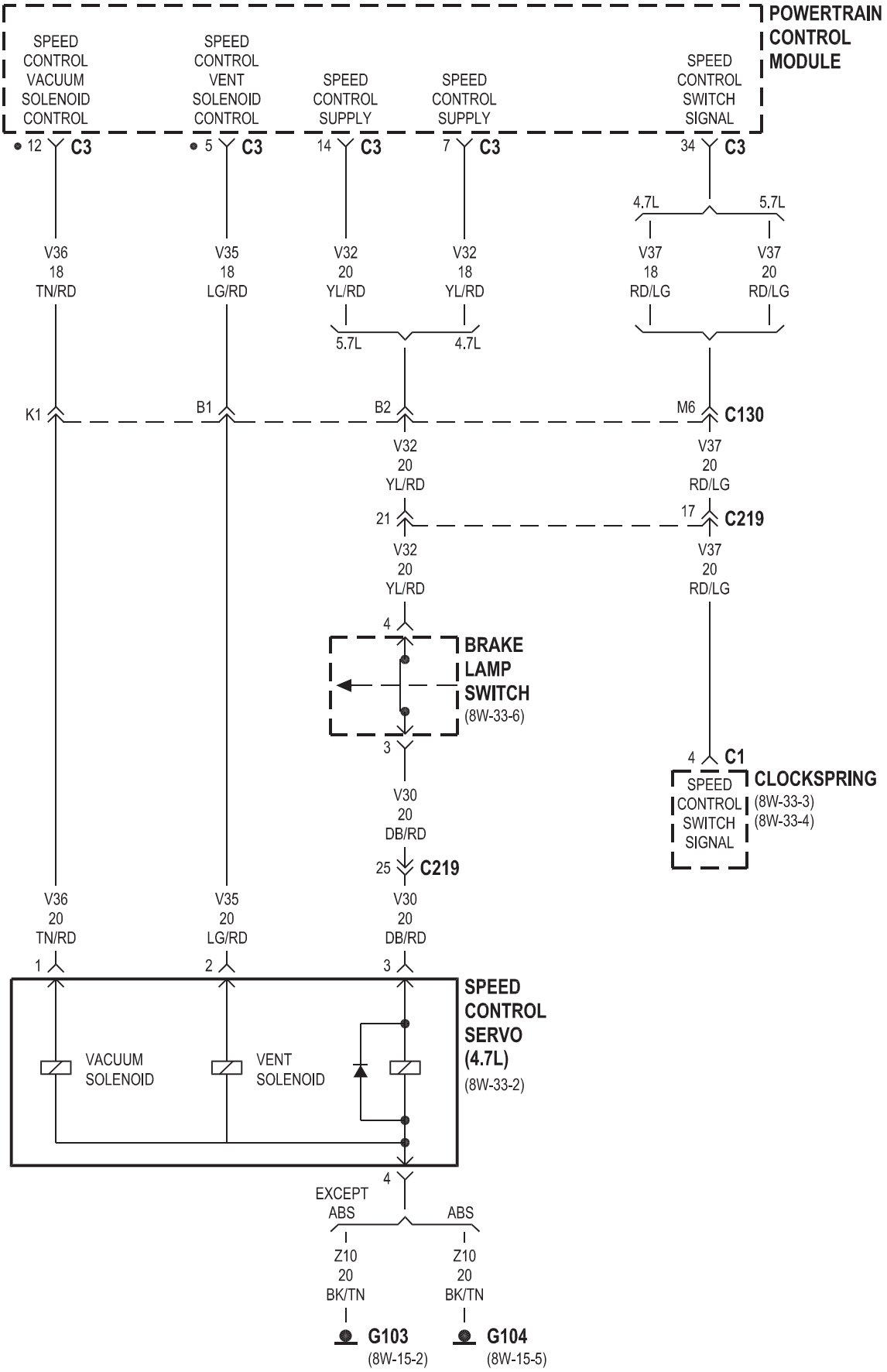

RUN-START A21
(8W-10-45)
BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 1 7.5A
(8W-10-44)
FUSE 17 15A
(8W-10-42)
85
30
FUEL PUMP RELAY
86
87
87A
25 C1
9 C7
K31 20 BR
A64 16 DG/WT
J4 C130
5 C217
K31 18 BR
A64 16 DG/WT
37 C3
4
FUEL PUMP RELAY CONTROL
POWERTRAIN CONTROL MODULE
M
FUEL PUMP MODULE
3
2
1
G8 18 LB/BK
K4 18 BK/LB
Z211 18 BK
7
6 C216
K4 18 BK/LB
S308
(8W-15-3)
S103
(8W-70-2)
Z13 14 BK
5.7L
4.7L
G8 20 LB/BK
G8 18 LB/BK
G8 20 LB/BK
K4 18 BK/LB
14 C217
EXCEPT ABS
ABS
M7
M3 C130
K4 18 BK/LB
Z13 14 BK
Z13 14 BK
V
W
TO POWERTRAIN CONTROL MODULE
(8W-30-32)
TO S144
(8W-30-32)
G103
(8W-15-2)
G104
(8W-15-5)
(8W-15-6)

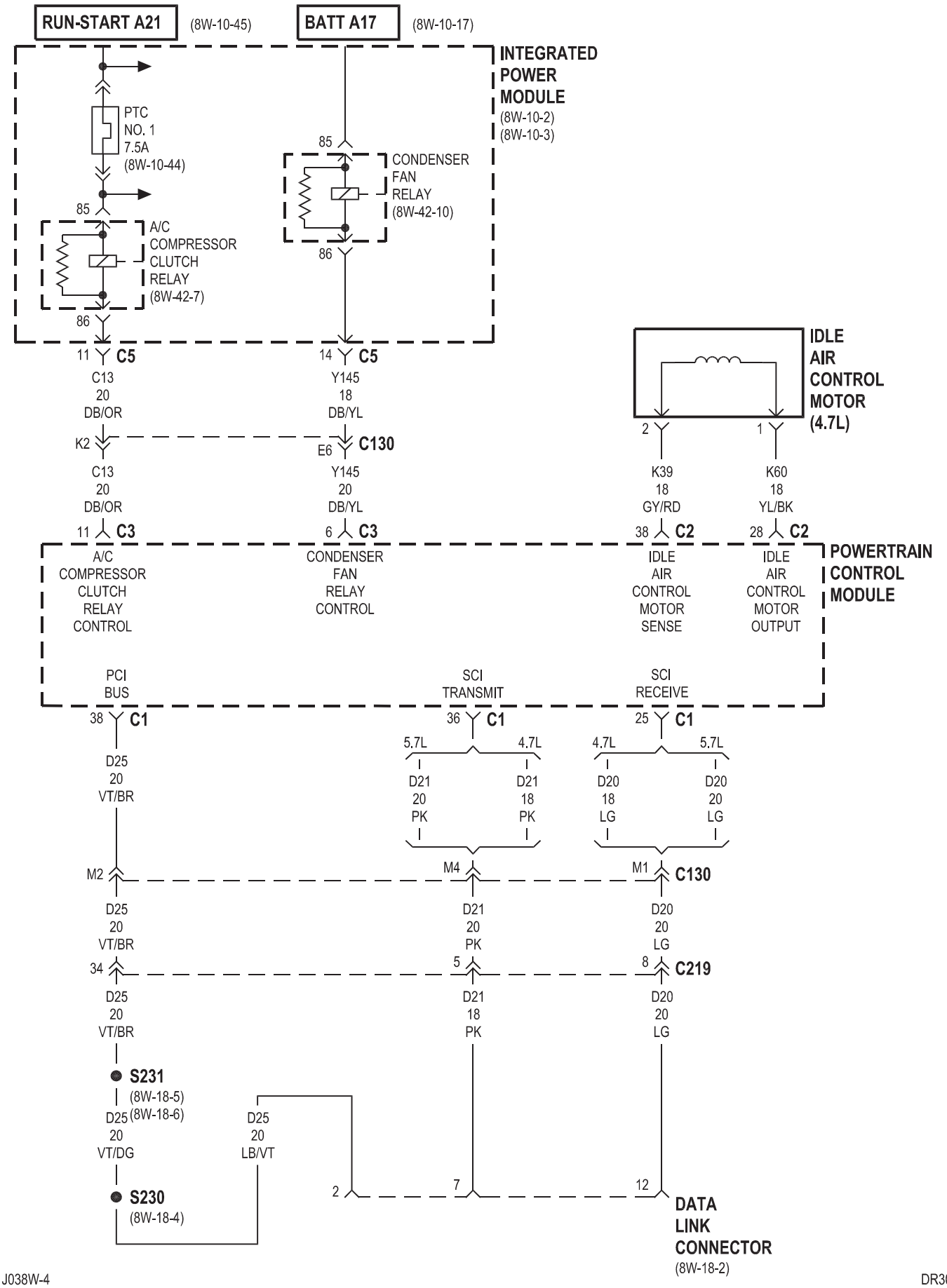

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 2 30A (8W-10-18)
FUSE 49 20A (8W-10-18)
85
30
AUTO SHUT DOWN RELAY
86
87
87A
OXYGEN SENSOR DOWNSTREAM RELAY (CALIFORNIA) (8W-30-4)
11 C7
3 C6
NOT USED
4 C6
K51 20 DB/YL
A142 16 DG/OR
B3
N3 C130
4.7L
5.7L
EA
EB
TO S137 (8W-30-43)
TO S155 (8W-30-58)
3 C3
AUTO SHUT DOWN RELAY CONTROL
POWERTRAIN CONTROL MODULE

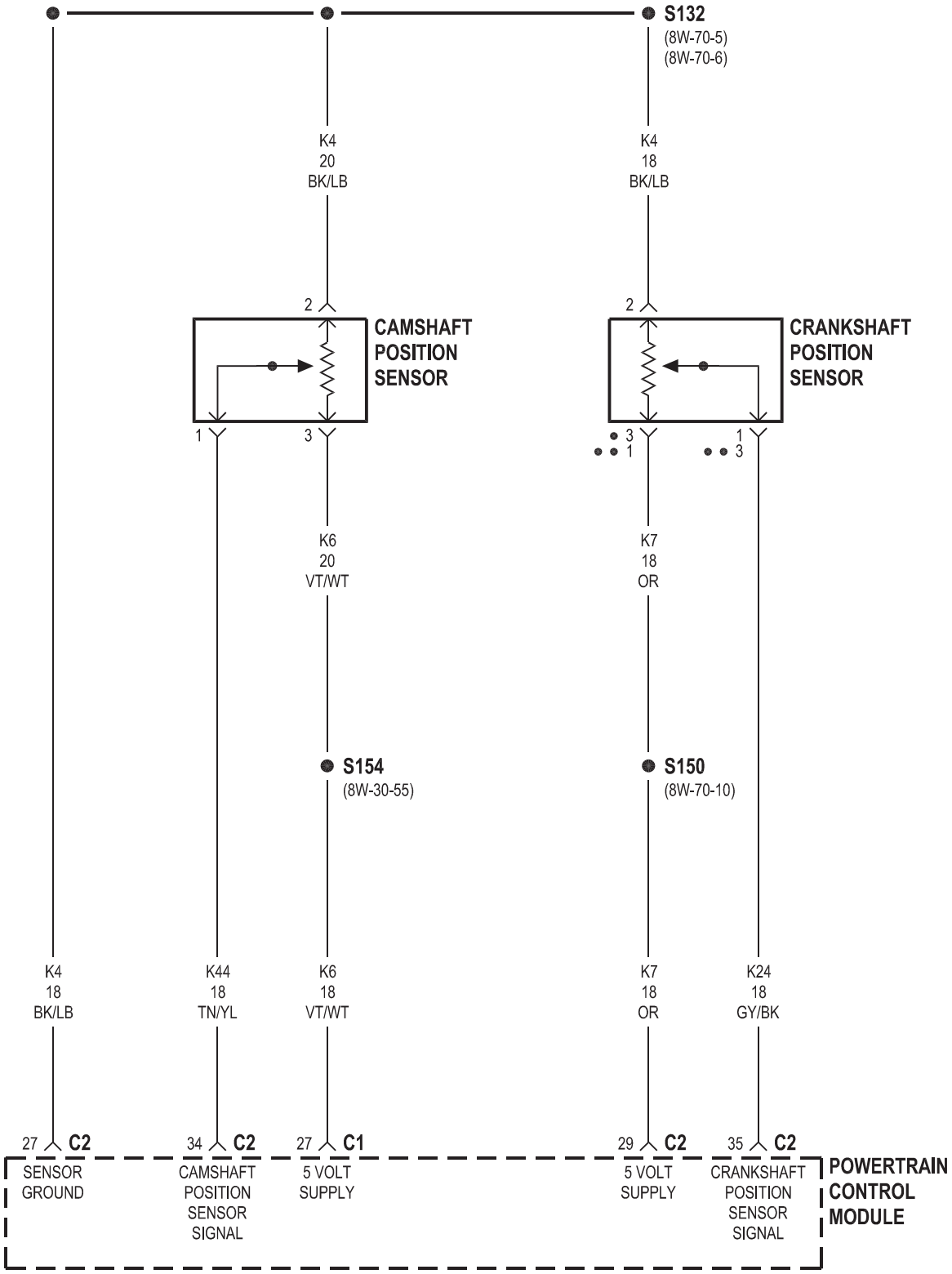

FROM C130 (8W-30-30) V
FROM C130 (8W-30-30) W
PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
TRANSMISSION SOLENOID/ TRS ASSEMBLY (8W-31-3) (8W-31-10)
3
4
K4 18 BK/LB
S144 (8W-70-5) (8W-70-6)
PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
CLUTCH INTERLOCK BRAKE SWITCH (8W-21-4)
1
5.7L
4.7L
G8 20 LB/BK
G8 18 LB/BK
K4 18 BK/LB
K4 18 BK/LB
S130 (8W-70-5) (8W-70-6)
K4 18 BK/LB
EXCEPT ELECTRONIC TRANSFER CASE
ELECTRONIC TRANSFER CASE
T24 20 BR/YL
S123 (8W-21-4)
S132 (8W-70-5) (8W-70-6)
T24 20 BR/YL
L2 C130
T24 20 BR/YL
K4 18 BK/LB
T24 20 BR/YL
A/T
M/T
33 C3
27 C2
21 C3
FUEL LEVEL SENSOR SIGNAL
SENSOR GROUND
PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
POWERTRAIN CONTROL MODULE
• EXCEPT 4.7L
•• 4.7L


BATT A1
(8W-10-26)
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
(8W-10-26)
13
A41
16
YL
7 C219
S122
(8W-10-39)
A41
16
YL
EXCEPT 5.7L/A/T
A1 C130
5.7L/A/T
A41
16
YL
A41
16
YL
S126
(8W-10-41)
A41
16
YL
30 C1
IGNITION SWITCH OUTPUT (START)
TRANSMISSION CONTROL MODULE (5.7L)
(8W-31-5)
(8W-31-8)
VEHICLE SPEED SENSOR SIGNAL
TPS NO. 1 OUTPUT
APPS NO. 1 OUTPUT
RPM SIGNAL
GROUND
TORQUE MANAGEMENT REQUEST SENSE
28
45
12
6
51
10
B22
20
DG/YL
S117
(8W-34-2)
B22
20
DG/YL
Y207
18
RD/WT
Y208
18
DB/YL
Y210
18
YL/RD
Y209
18
TN/BK
T10
18
YL/DG
□ 13 C1
□ 3 C4
□ 5 C4
□ 11 C4
□ 9 C4
□ 7 C4
VEHICLE SPEED SENSOR SIGNAL
TPS NO. 1 OUTPUT
APPS NO. 1 OUTPUT
RPM SIGNAL
GROUND
TORQUE MANAGEMENT REQUEST SENSE
POWERTRAIN CONTROL MODULE
PTO SWITCH SENSE
VEHICLE SPEED SENSOR SIGNAL
BRAKE SWITCH SENSE
OVERDRIVE OFF SWITCH SENSE
22 C3
□□ 13 C1
5.7L 23 C3 4.7L
□□ 17 C4
G113
18
OR
1
PTO SWITCH SENSE
PTO SWITCH
G7
18
WT/OR
J2
G7
20
WT/OR
5.7L
K29
20
WT/PK
4.7L
K29
18
WT/PK
D3 C130
K29
20
WT/PK
S121
(8W-33-6)
T6
18
OR/WT
C4 C130
T6
20
OR/WT
18 C219
1
OVERDRIVE SWITCH (4.7L)
(8W-31-11)
2
Z71
20
BK/TN
G201
(8W-15-13)
12 C1
9 C1
VEHICLE SPEED SENSOR SIGNAL
BRAKE SWITCH SENSE
CONTROLLER ANTILOCK BRAKE
(8W-34-2)
(8W-34-3)
(8W-35-2)
□ 5.7L
□□ 4.7L

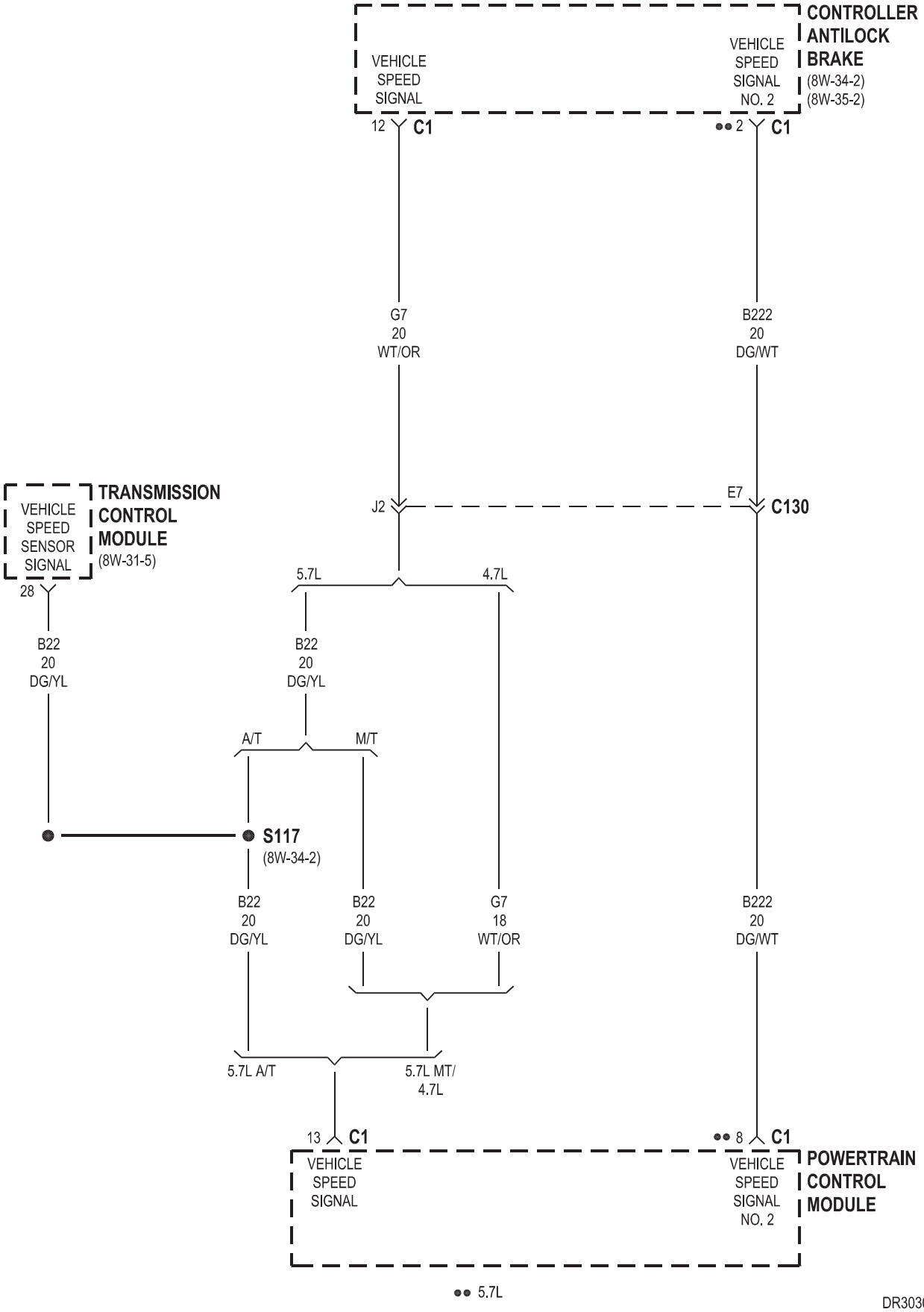

POWERTRAIN CONTROL MODULE
LEAK DETECTION PUMP SWITCH SENSE
LEAK DETECTION PUMP SOLENOID CONTROL
GENERATOR FIELD
POWER STEERING PRESSURE SWITCH SIGNAL
35 C3
8 C3
19 C2
30 C3
S28
18
YL/BK
2
POWER STEERING PRESSURE SWITCH
1
K107
18
OR
K106
18
WT/DG
Z54
18
BK/PK
K20
18
DG
2
3
1
LEAK DETECTION PUMP
1
GENERATOR
(8W-20-2)
2
Z364
18
BK
Z244
20
BK/DG
G107
(8W-15-9)
(8W-15-10)

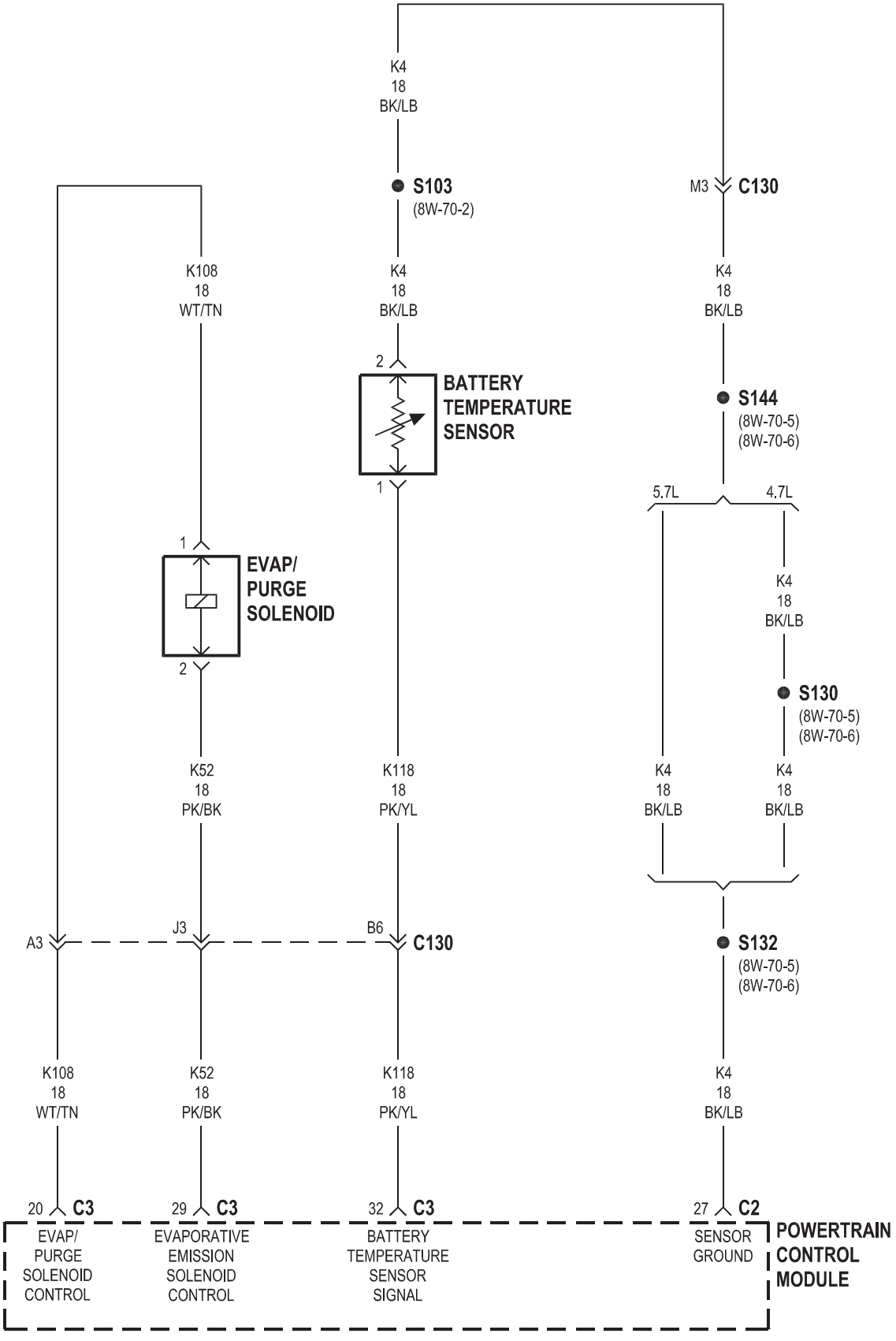

POWERTRAIN CONTROL MODULE
SPEED CONTROL VACUUM SOLENOID CONTROL
SPEED CONTROL VENT SOLENOID CONTROL
SPEED CONTROL SUPPLY
SPEED CONTROL SUPPLY
SPEED CONTROL SWITCH SIGNAL
12 C3
5 C3
14 C3
7 C3
34 C3
4.7L
5.7L
V36 18 TN/RD
V35 18 LG/RD
V32 20 YL/RD
V32 18 YL/RD
V37 18 RD/LG
V37 20 RD/LG
5.7L
4.7L
K1
B1
B2
M6 C130
V32 20 YL/RD
V37 20 RD/LG
21
17 C219
V32 20 YL/RD
V37 20 RD/LG
4
BRAKE LAMP SWITCH
(8W-33-6)
3
4 C1
SPEED CONTROL SWITCH SIGNAL
CLOCKSPRING
(8W-33-3)
(8W-33-4)
V30 20 DB/RD
25 C219
V36 20 TN/RD
V35 20 LG/RD
V30 20 DB/RD
1
2
3
SPEED CONTROL SERVO (4.7L)
(8W-33-2)
VACUUM SOLENOID
VENT SOLENOID
4
EXCEPT ABS
ABS
Z10 20 BK/TN
Z10 20 BK/TN
G103
(8W-15-2)
G104
(8W-15-5)
• 4.7L

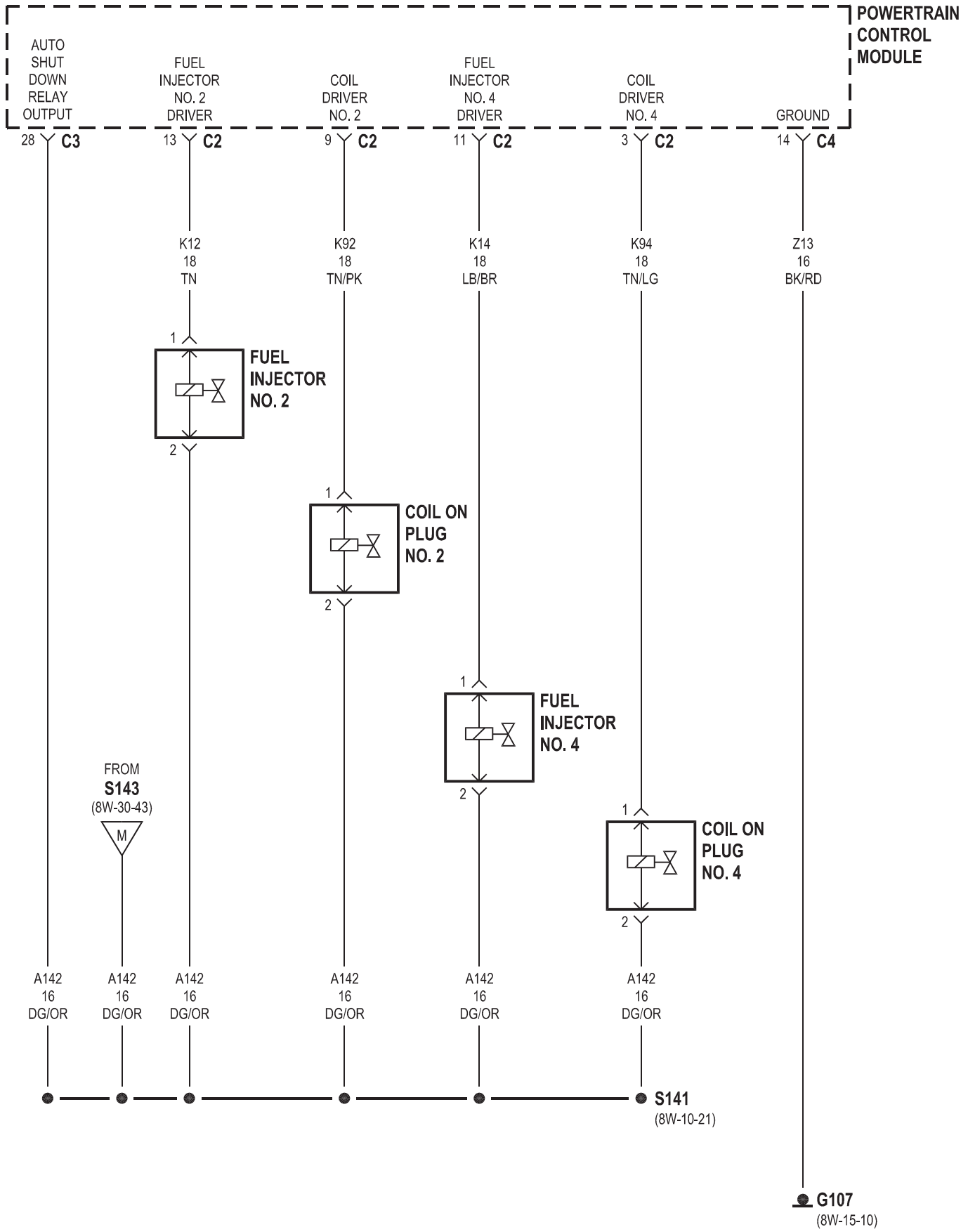

RUN-START A21
(8W-10-45)
BATT A17
(8W-10-17)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 1 7.5A
(8W-10-44)
85
A/C COMPRESSOR CLUTCH RELAY
(8W-42-7)
86
85
CONDENSER FAN RELAY
(8W-42-10)
86
11 C5
C13
20
DB/OR
14 C5
Y145
18
DB/YL
K2
C13
20
DB/OR
E6 C130
Y145
20
DB/YL
IDLE AIR CONTROL MOTOR (4.7L)
2
1
K39
18
GY/RD
K60
18
YL/BK
11 C3
A/C COMPRESSOR CLUTCH RELAY CONTROL
6 C3
CONDENSER FAN RELAY CONTROL
38 C2
IDLE AIR CONTROL MOTOR SENSE
28 C2
IDLE AIR CONTROL MOTOR OUTPUT
POWERTRAIN CONTROL MODULE
PCI BUS
SCI TRANSMIT
SCI RECEIVE
38 C1
36 C1
25 C1
5.7L
4.7L
4.7L
5.7L
D25
20
VT/BR
D21
20
PK
D21
18
PK
D20
18
LG
D20
20
LG
M2
M4
M1 C130
D25
20
VT/BR
D21
20
PK
D20
20
LG
34
5
8 C219
D25
20
VT/BR
D21
18
PK
D20
20
LG
S231
(8W-18-5)
(8W-18-6)
D25
20
VT/DG
D25
20
LB/VT
S230
(8W-18-4)
2
7
12
DATA LINK CONNECTOR
(8W-18-2)

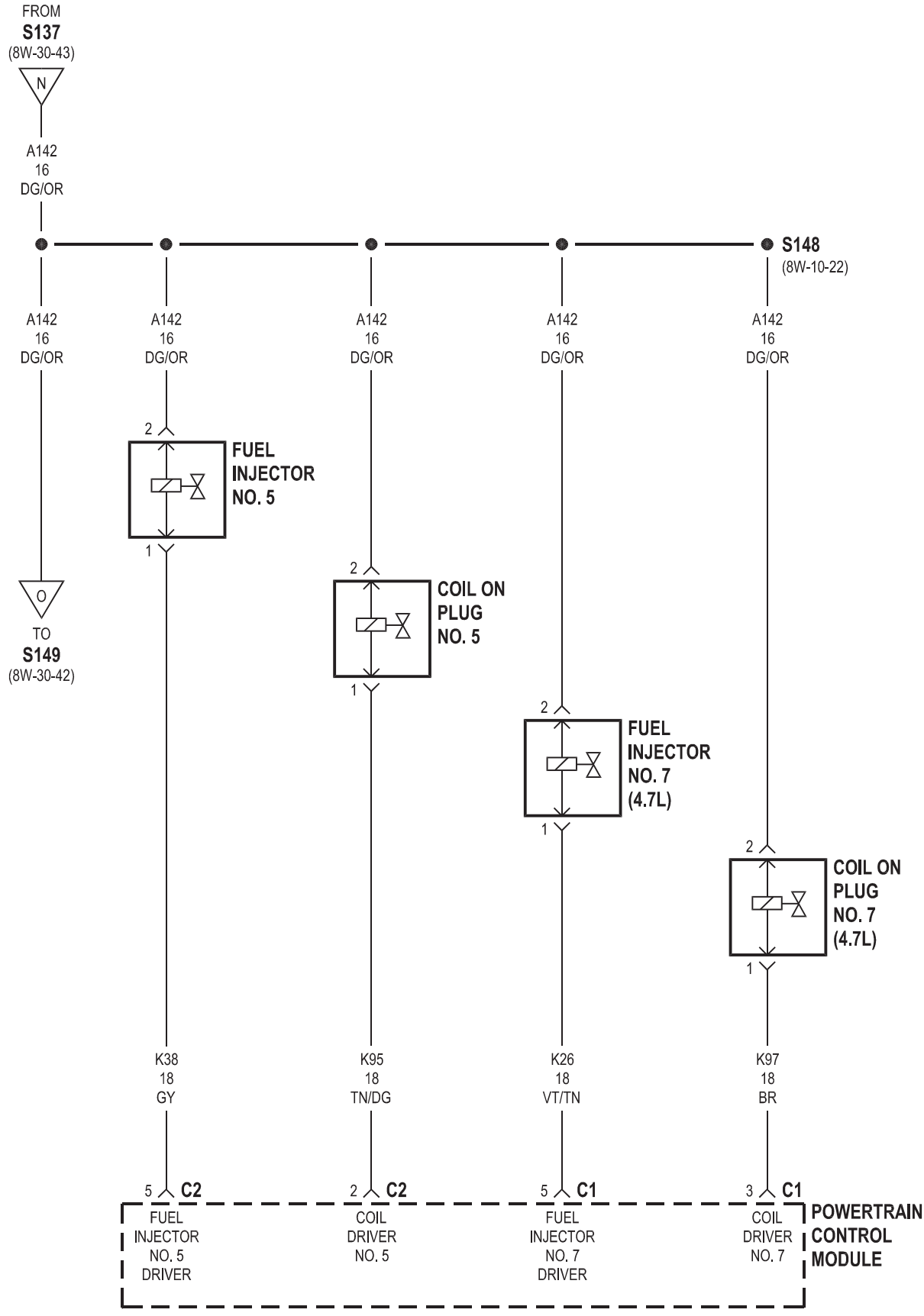

S132
(8W-70-5)
(8W-70-6)
K4
20
BK/LB
K4
18
BK/LB
2
2
CAMSHAFT
POSITION
SENSOR
CRANKSHAFT
POSITION
SENSOR
1
3
3
1
1
3
K6
20
VT/WT
K7
18
OR
S154
(8W-30-55)
S150
(8W-70-10)
K4
18
BK/LB
K44
18
TN/YL
K6
18
VT/WT
K7
18
OR
K24
18
GY/BK
27 C2
34 C2
27 C1
29 C2
35 C2
SENSOR
GROUND
CAMSHAFT
POSITION
SENSOR
SIGNAL
5 VOLT
SUPPLY
5 VOLT
SUPPLY
CRANKSHAFT
POSITION
SENSOR
SIGNAL
POWERTRAIN
CONTROL
MODULE

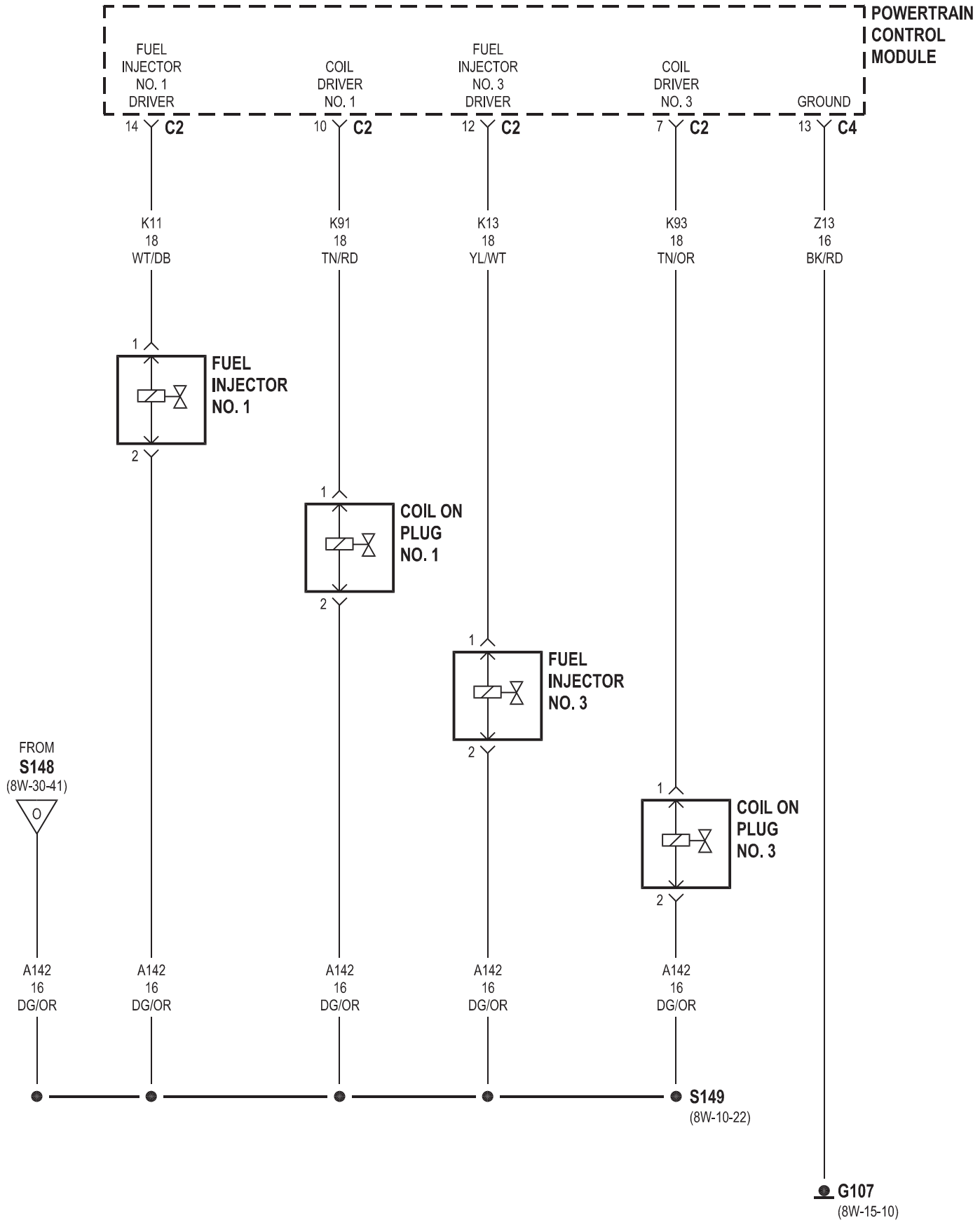
● 4.7L
●● 5.7L

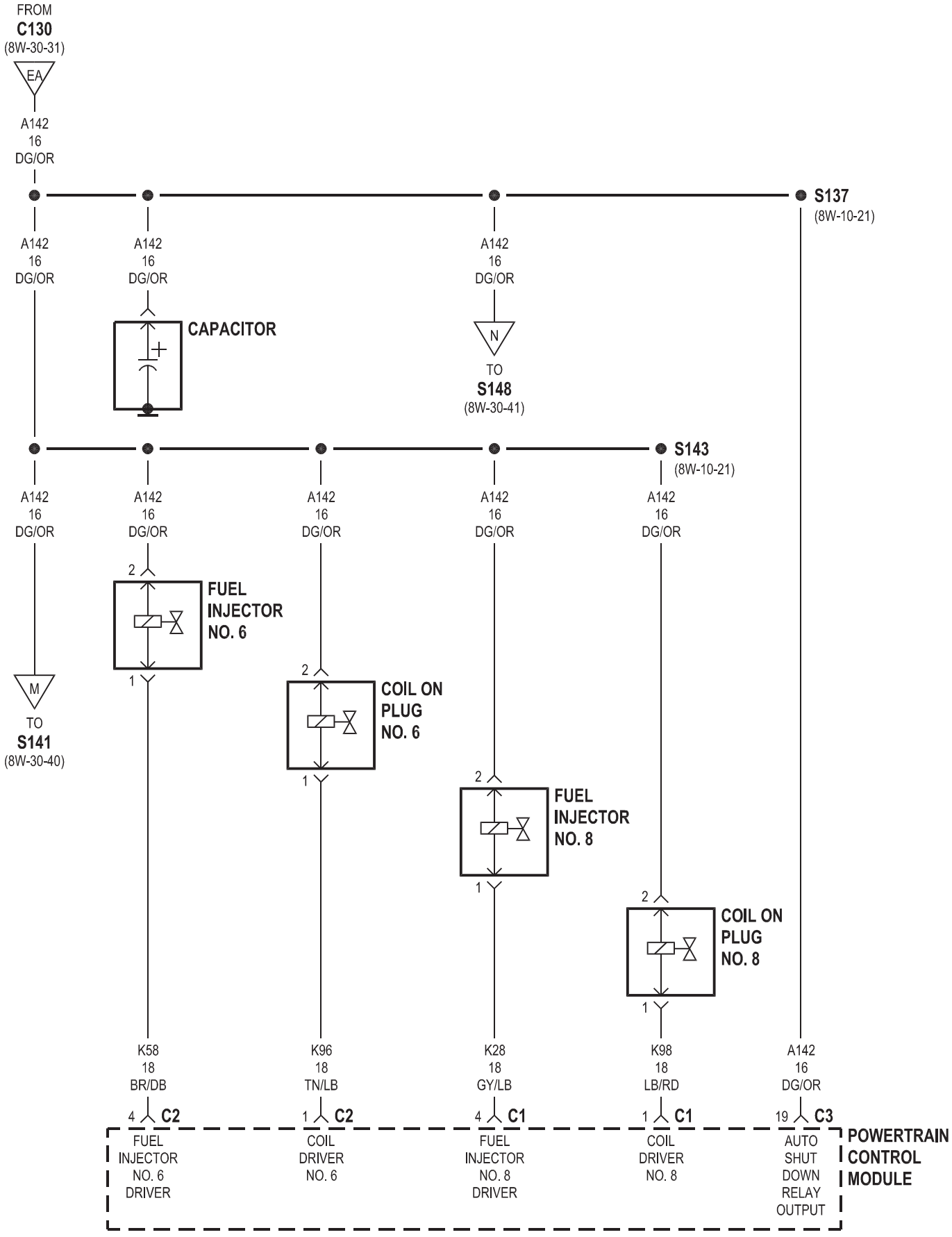

CONTROLLER ANTILOCK BRAKE
(8W-34-2)
(8W-35-2)
VEHICLE SPEED SIGNAL
12 C1
VEHICLE SPEED SIGNAL NO. 2
2 C1
G7 20 WT/OR
B222 20 DG/WT
TRANSMISSION CONTROL MODULE
(8W-31-5)
VEHICLE SPEED SENSOR SIGNAL
28
J2
E7 C130
5.7L
4.7L
B22 20 DG/YL
B22 20 DG/YL
A/T
M/T
S117
(8W-34-2)
B22 20 DG/YL
B22 20 DG/YL
G7 18 WT/OR
B222 20 DG/WT
5.7L A/T
5.7L MT/ 4.7L
13 C1
8 C1
VEHICLE SPEED SIGNAL
VEHICLE SPEED SIGNAL NO. 2
POWERTRAIN CONTROL MODULE
5.7L

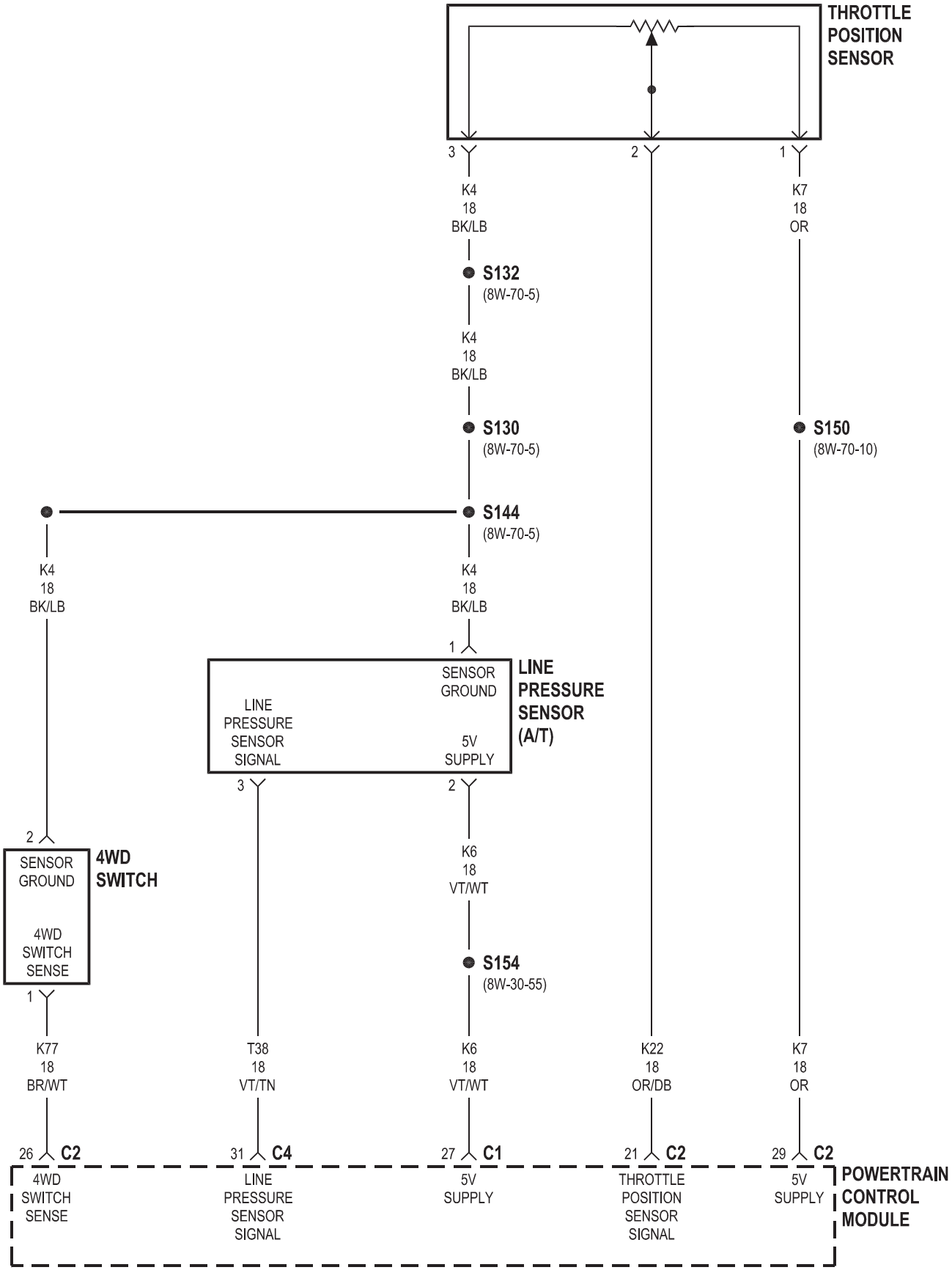

K4
18
BK/LB
S103
(8W-70-2)
M3
C130
K108
18
WT/TN
K4
18
BK/LB
K4
18
BK/LB
2
BATTERY
TEMPERATURE
SENSOR
1
S144
(8W-70-5)
(8W-70-6)
5.7L
4.7L
1
EVAP/
PURGE
SOLENOID
2
K4
18
BK/LB
S130
(8W-70-5)
(8W-70-6)
K52
18
PK/BK
K118
18
PK/YL
K4
18
BK/LB
K4
18
BK/LB
A3
J3
B6
C130
S132
(8W-70-5)
(8W-70-6)
K108
18
WT/TN
K52
18
PK/BK
K118
18
PK/YL
K4
18
BK/LB
20
C3
29
C3
32
C3
27
C2
EVAP/
PURGE
SOLENOID
CONTROL
EVAPORATIVE
EMISSION
SOLENOID
CONTROL
BATTERY
TEMPERATURE
SENSOR
SIGNAL
SENSOR
GROUND
POWERTRAIN
CONTROL
MODULE

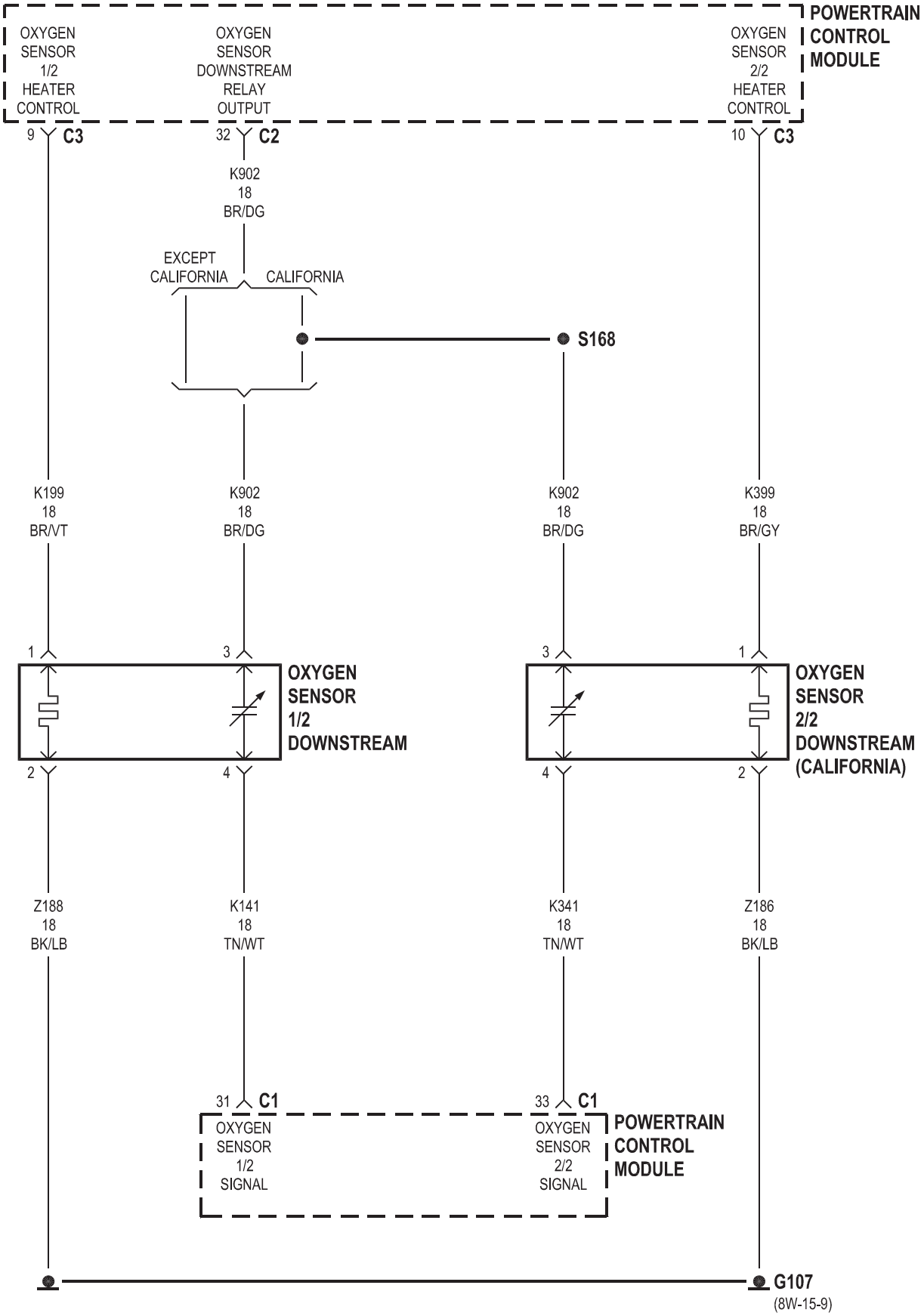

POWERTRAIN CONTROL MODULE
AUTO SHUT DOWN RELAY OUTPUT
28 C3
FUEL INJECTOR NO. 2 DRIVER
13 C2
COIL DRIVER NO. 2
9 C2
FUEL INJECTOR NO. 4 DRIVER
11 C2
COIL DRIVER NO. 4
3 C2
GROUND
14 C4
K12 18 TN
K92 18 TN/PK
K14 18 LB/BR
K94 18 TN/LG
Z13 16 BK/RD
1
FUEL INJECTOR NO. 2
2
1
COIL ON PLUG NO. 2
2
1
FUEL INJECTOR NO. 4
2
1
COIL ON PLUG NO. 4
2
FROM S143 (8W-30-43)
M
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
S141 (8W-10-21)
G107 (8W-15-10)

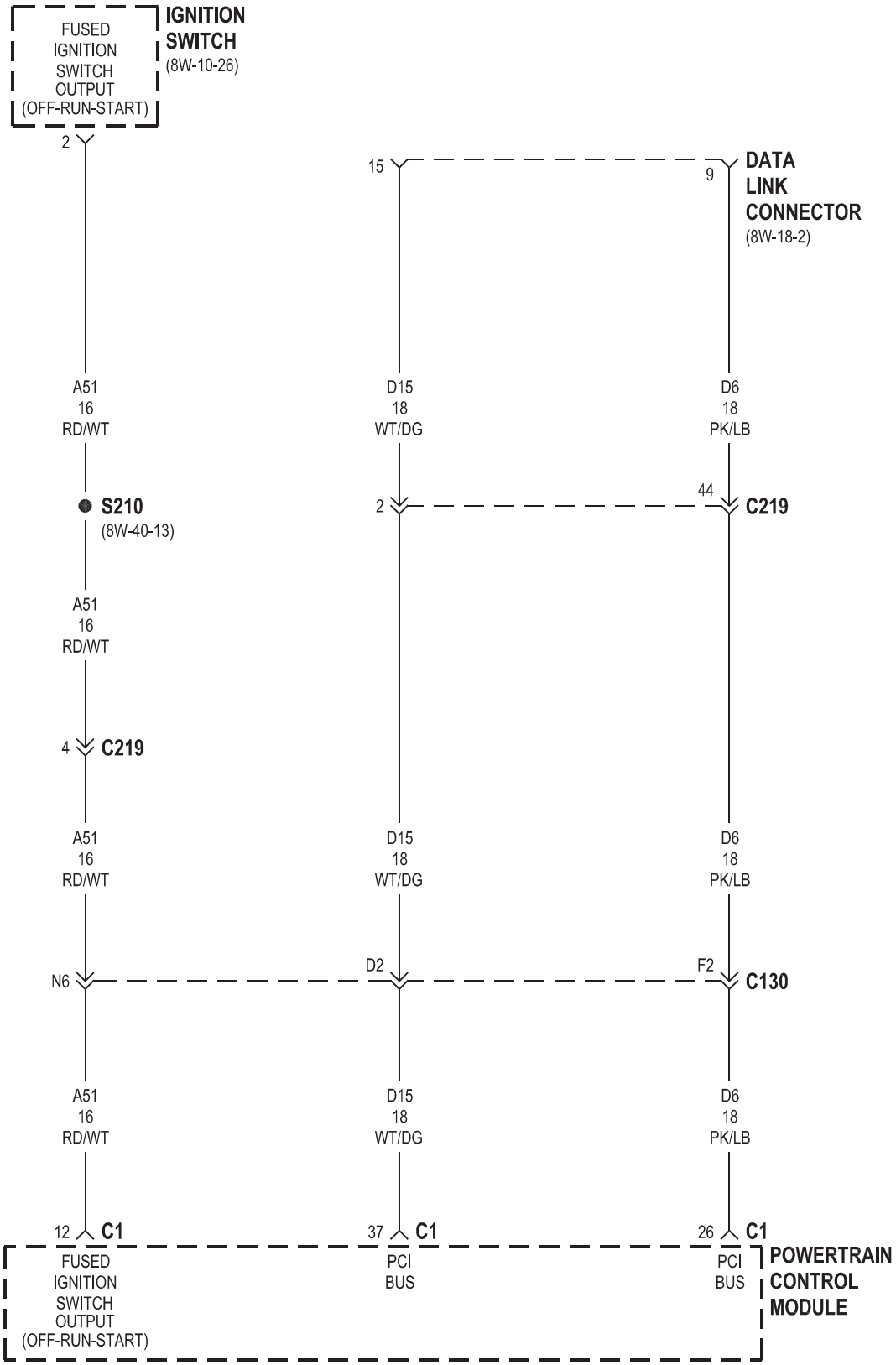

FROM
S137
(8W-30-43)
N
A142
16
DG/OR
S148
(8W-10-22)
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
2
FUEL
INJECTOR
NO. 5
1
O
TO
S149
(8W-30-42)
2
COIL ON
PLUG
NO. 5
1
2
FUEL
INJECTOR
NO. 7
(4.7L)
1
2
COIL ON
PLUG
NO. 7
(4.7L)
1
K38
18
GY
K95
18
TN/DG
K26
18
VT/TN
K97
18
BR
5 C2
2 C2
5 C1
3 C1
FUEL
INJECTOR
NO. 5
DRIVER
COIL
DRIVER
NO. 5
FUEL
INJECTOR
NO. 7
DRIVER
COIL
DRIVER
NO. 7
POWERTRAIN
CONTROL
MODULE

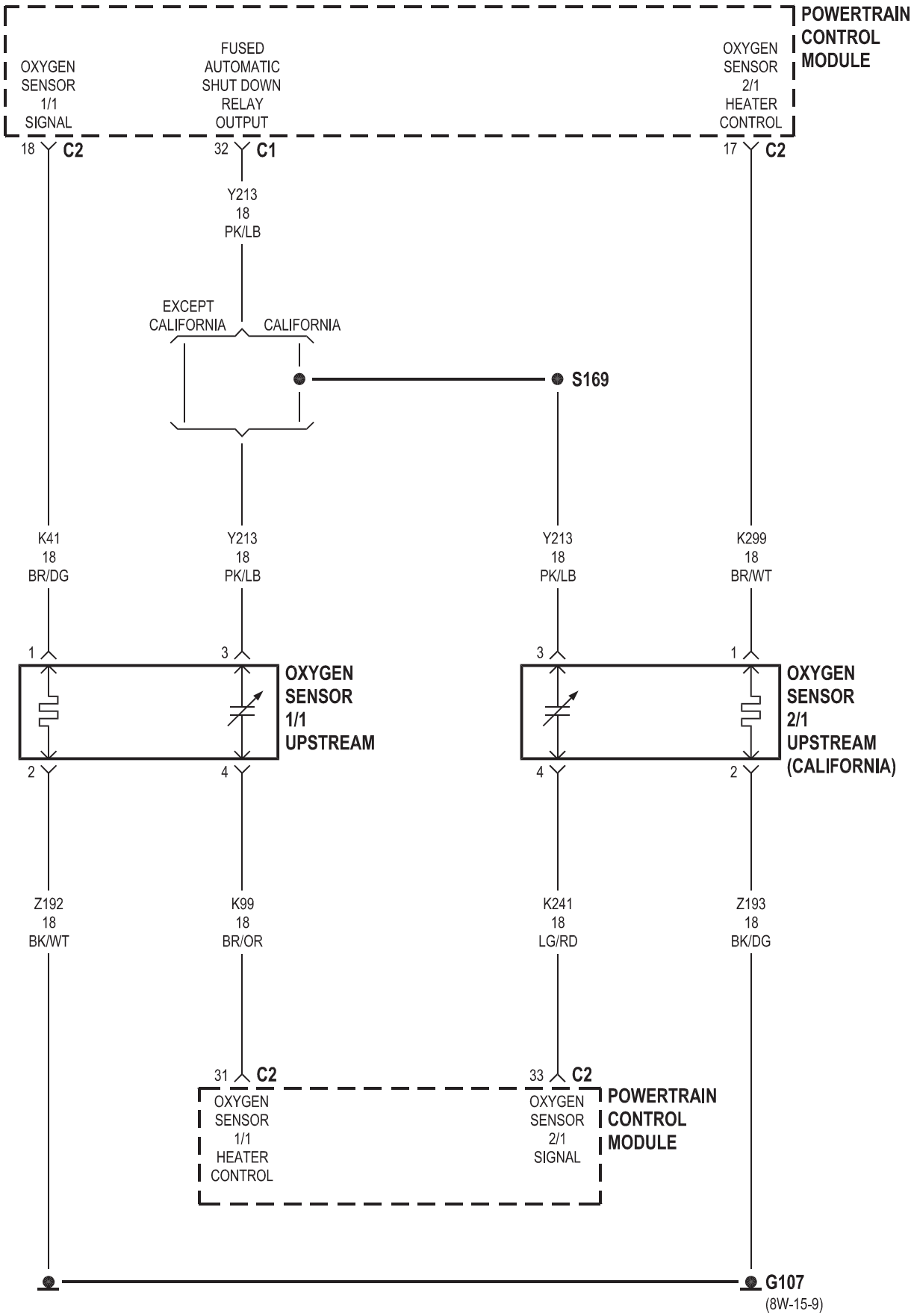

POWERTRAIN CONTROL MODULE
FUEL INJECTOR NO. 1 DRIVER
COIL DRIVER NO. 1
FUEL INJECTOR NO. 3 DRIVER
COIL DRIVER NO. 3
GROUND
14 C2
10 C2
12 C2
7 C2
13 C4
K11 18 WT/DB
K91 18 TN/RD
K13 18 YL/WT
K93 18 TN/OR
Z13 16 BK/RD
FUEL INJECTOR NO. 1
COIL ON PLUG NO. 1
FUEL INJECTOR NO. 3
COIL ON PLUG NO. 3
FROM S148 (8W-30-41)
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
S149 (8W-10-22)
G107 (8W-15-10)

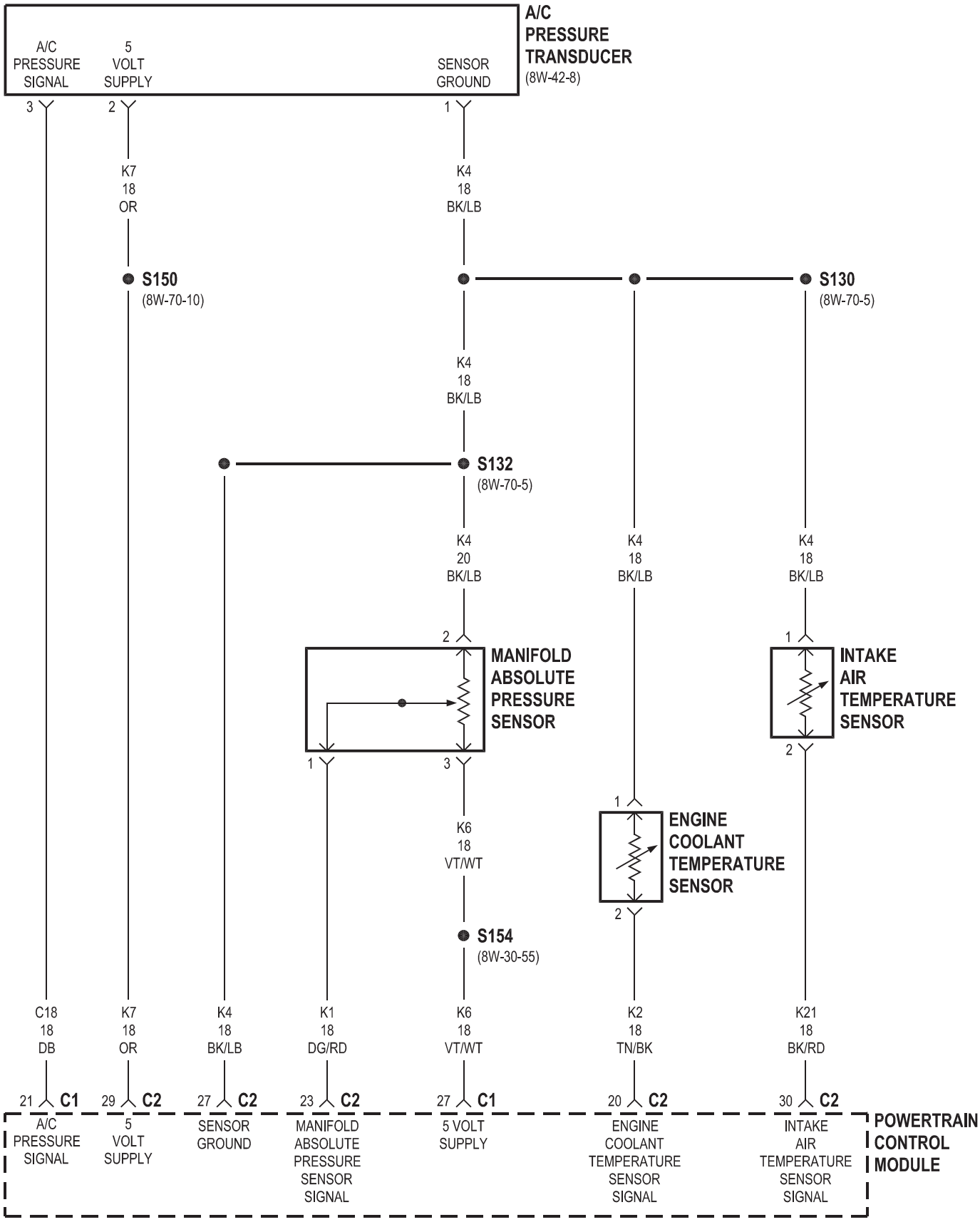

FROM
C130
(8W-30-31)
EA
A142
16
DG/OR
S137
(8W-10-21)
CAPACITOR
N
TO
S148
(8W-30-41)
S143
(8W-10-21)
M
TO
S141
(8W-30-40)
2
FUEL
INJECTOR
NO. 6
1
COIL ON
PLUG
NO. 6
FUEL
INJECTOR
NO. 8
COIL ON
PLUG
NO. 8
K58
18
BR/DB
K96
18
TN/LB
K28
18
GY/LB
K98
18
LB/RD
4 C2
1 C2
4 C1
1 C1
19 C3
FUEL
INJECTOR
NO. 6
DRIVER
COIL
DRIVER
NO. 6
FUEL
INJECTOR
NO. 8
DRIVER
COIL
DRIVER
NO. 8
AUTO
SHUT
DOWN
RELAY
OUTPUT
POWERTRAIN
CONTROL
MODULE

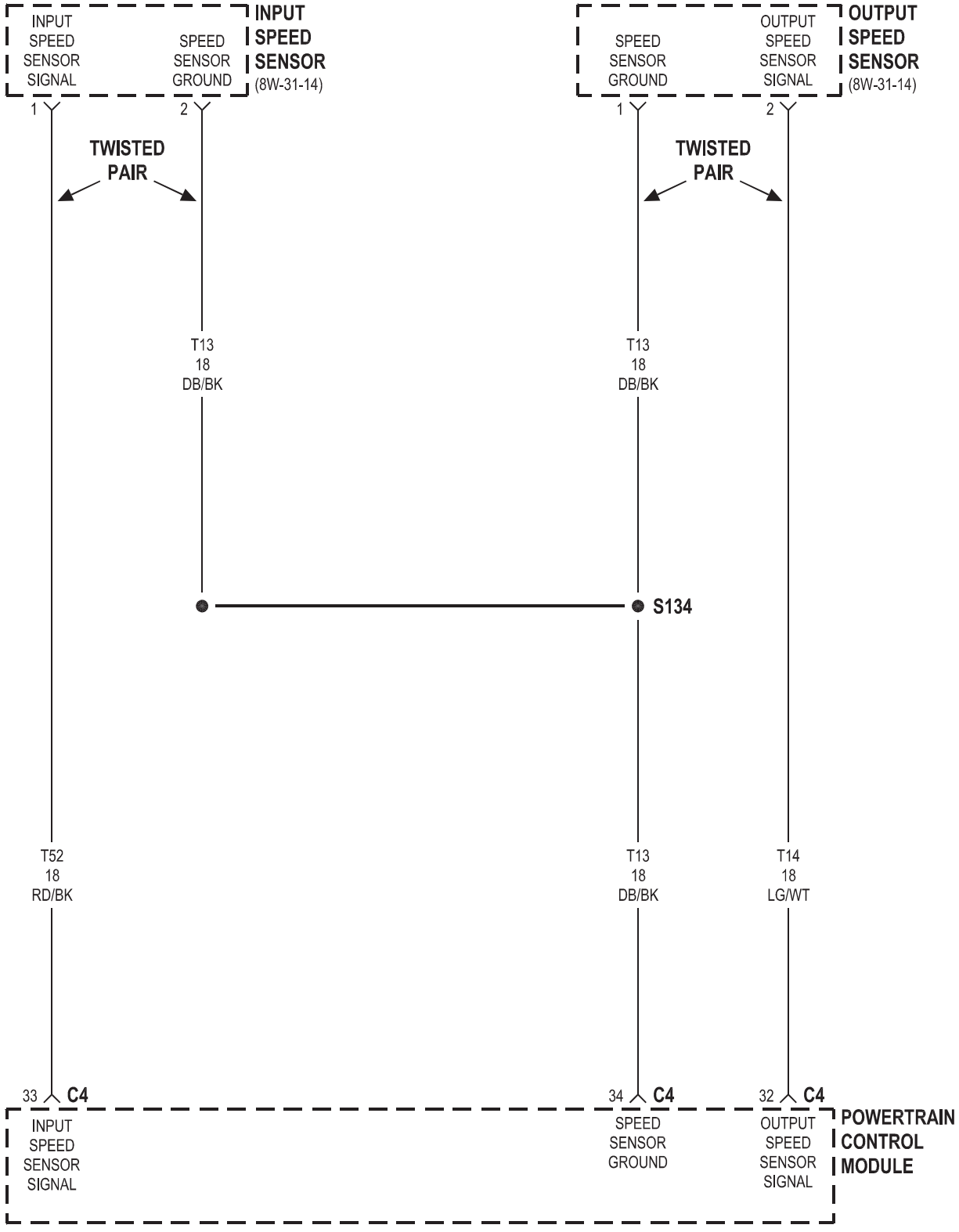

THROTTLE POSITION SENSOR
3
2
1
K4 18 BK/LB
K7 18 OR
S132 (8W-70-5)
K4 18 BK/LB
S130 (8W-70-5)
S150 (8W-70-10)
S144 (8W-70-5)
K4 18 BK/LB
K4 18 BK/LB
1
SENSOR GROUND
LINE PRESSURE SENSOR SIGNAL
5V SUPPLY
LINE PRESSURE SENSOR (A/T)
3
2
2
SENSOR GROUND
4WD SWITCH SENSE
4WD SWITCH
1
K6 18 VT/WT
S154 (8W-30-55)
K77 18 BR/WT
T38 18 VT/TN
K6 18 VT/WT
K22 18 OR/DB
K7 18 OR
26 C2
31 C4
27 C1
21 C2
29 C2
4WD SWITCH SENSE
LINE PRESSURE SENSOR SIGNAL
5V SUPPLY
THROTTLE POSITION SENSOR SIGNAL
5V SUPPLY
POWERTRAIN CONTROL MODULE

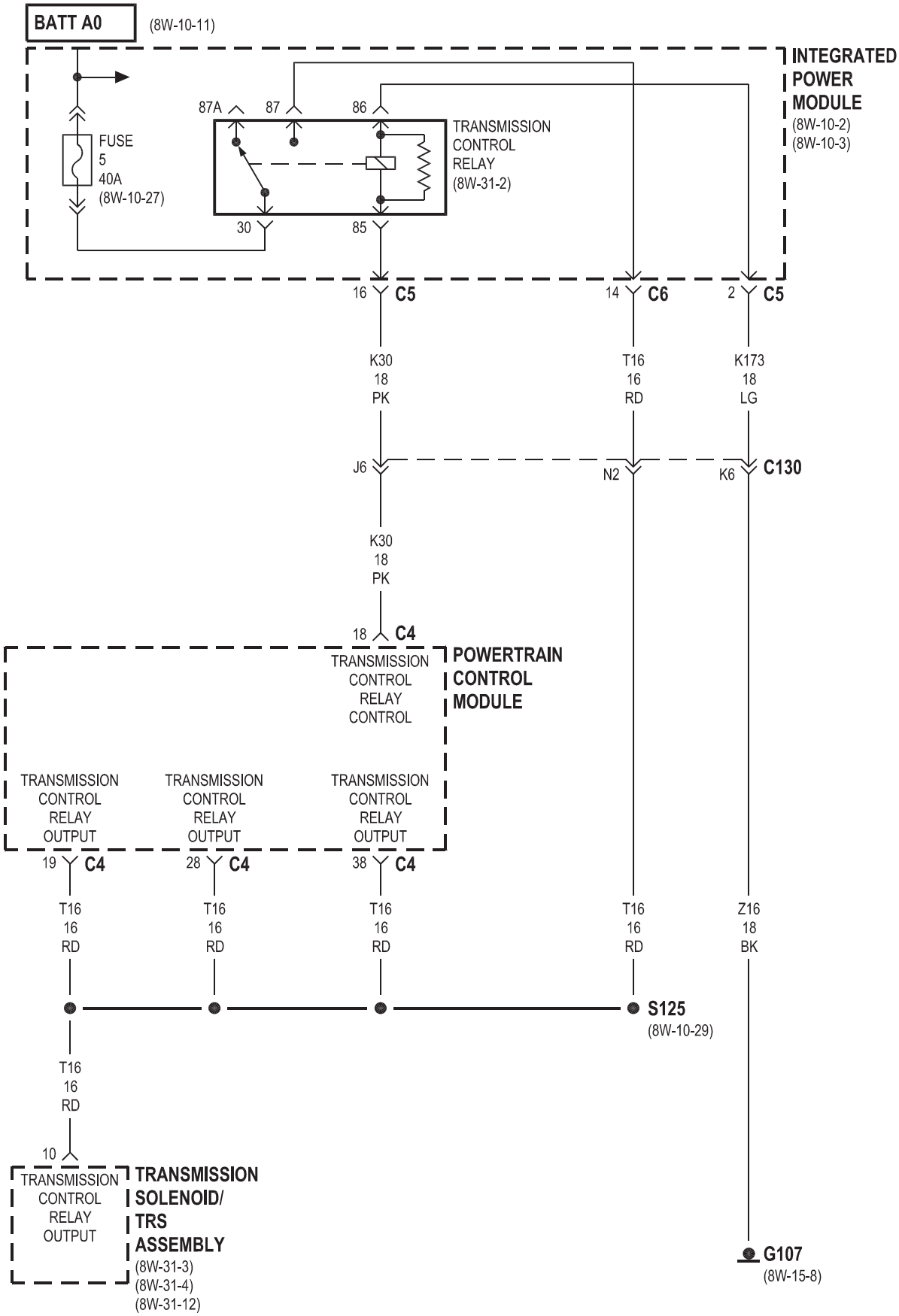

POWERTRAIN CONTROL MODULE
OXYGEN SENSOR 1/2 HEATER CONTROL
OXYGEN SENSOR DOWNSTREAM RELAY OUTPUT
OXYGEN SENSOR 2/2 HEATER CONTROL
9 C3
32 C2
10 C3
K902 18 BR/DG
EXCEPT CALIFORNIA
CALIFORNIA
S168
K199 18 BR/VT
K902 18 BR/DG
K902 18 BR/DG
K399 18 BR/GY
1
3
3
1
OXYGEN SENSOR 1/2 DOWNSTREAM
OXYGEN SENSOR 2/2 DOWNSTREAM (CALIFORNIA)
2
4
4
2
Z188 18 BK/LB
K141 18 TN/WT
K341 18 TN/WT
Z186 18 BK/LB
31 C1
33 C1
OXYGEN SENSOR 1/2 SIGNAL
OXYGEN SENSOR 2/2 SIGNAL
POWERTRAIN CONTROL MODULE
G107
(8W-15-9)

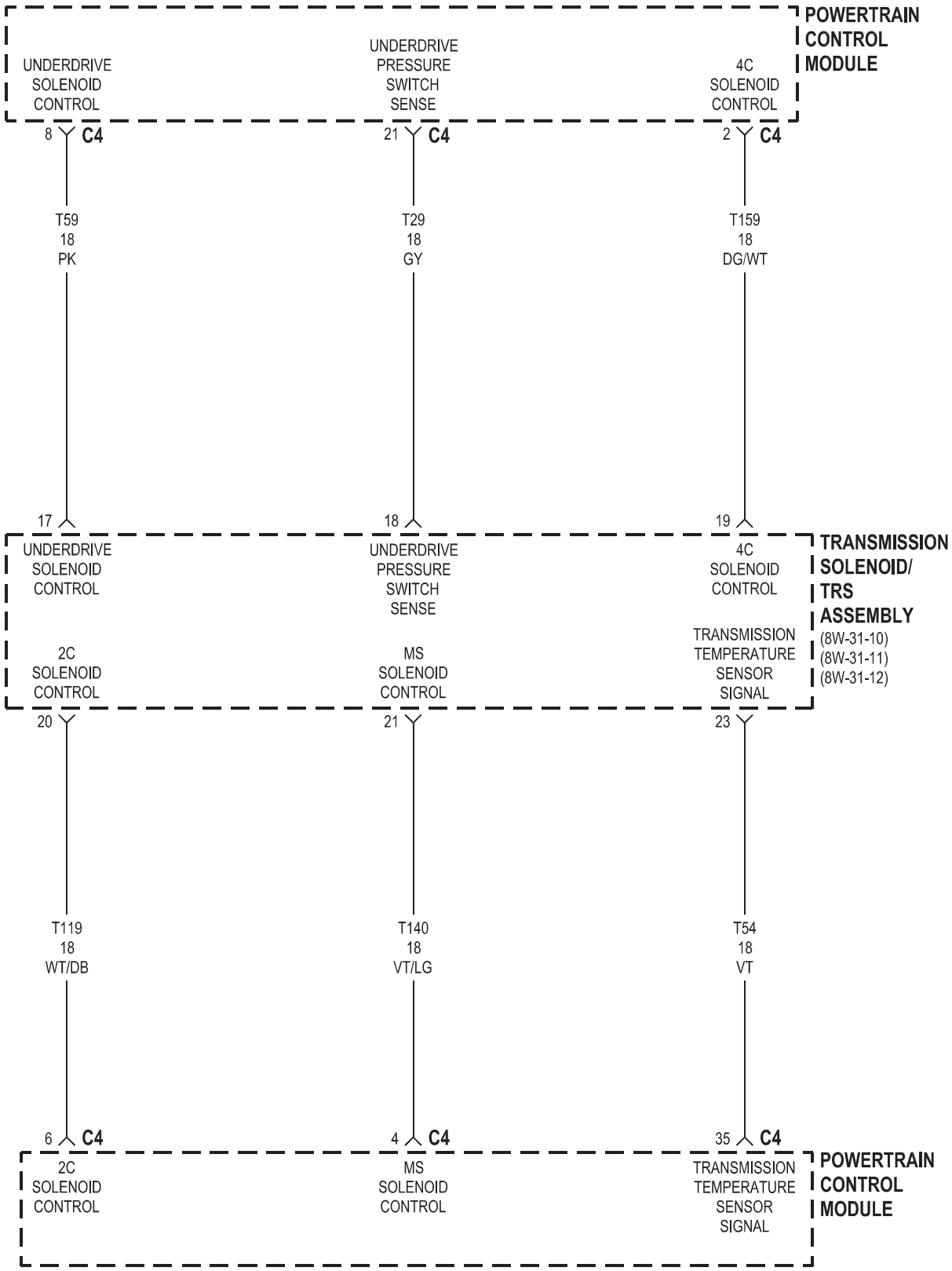

FUSED IGNITION SWITCH OUTPUT (OFF-RUN-START)
IGNITION SWITCH
(8W-10-26)
2
15
9
DATA LINK CONNECTOR
(8W-18-2)
A51 16 RD/WT
D15 18 WT/DG
D6 18 PK/LB
S210
(8W-40-13)
2
44
C219
A51 16 RD/WT
4
C219
A51 16 RD/WT
D15 18 WT/DG
D6 18 PK/LB
N6
D2
F2
C130
A51 16 RD/WT
D15 18 WT/DG
D6 18 PK/LB
12
C1
37
C1
26
C1
FUSED IGNITION SWITCH OUTPUT (OFF-RUN-START)
PCI BUS
PCI BUS
POWERTRAIN CONTROL MODULE

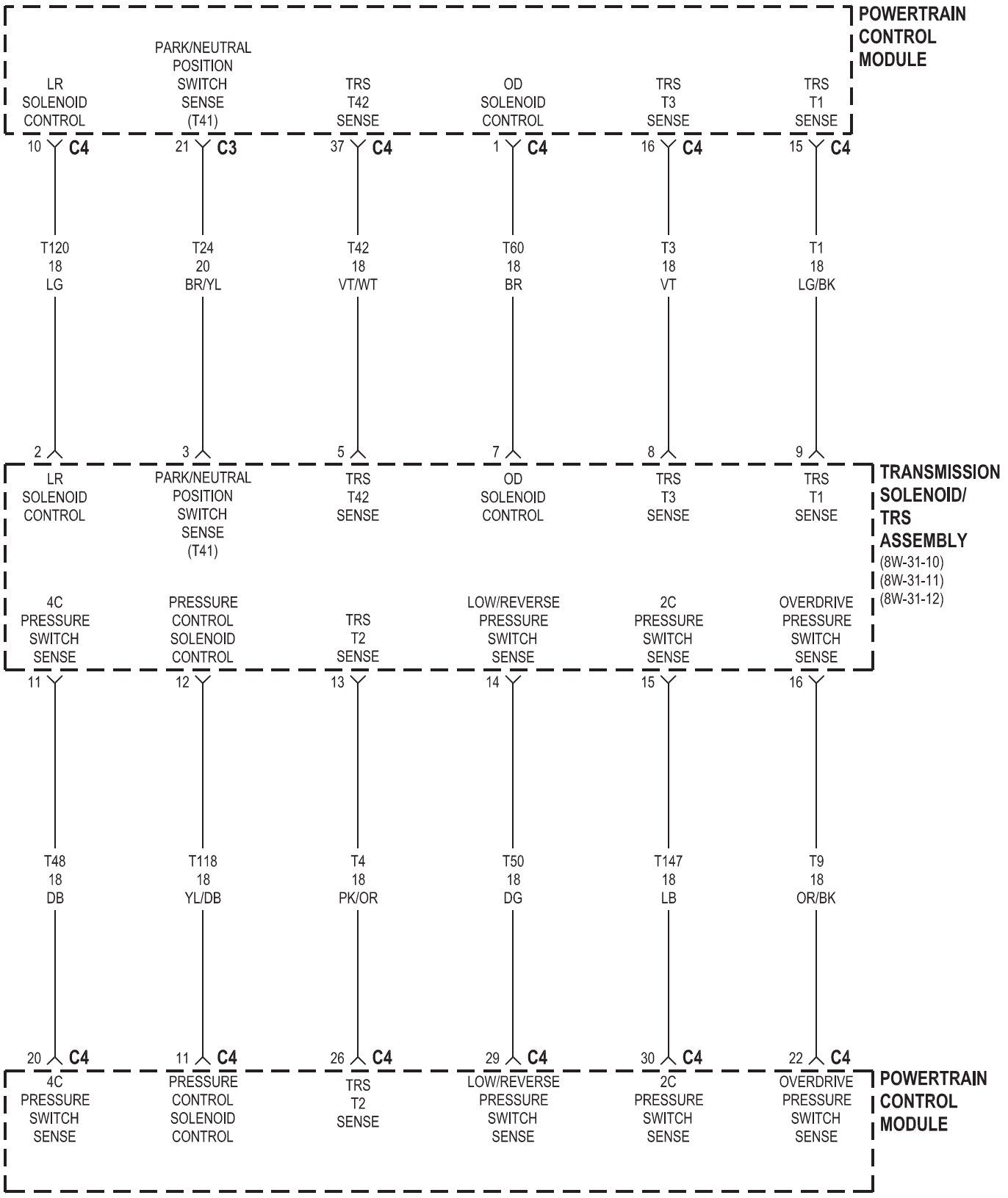

POWERTRAIN CONTROL MODULE
OXYGEN SENSOR 1/1 SIGNAL
FUSED AUTOMATIC SHUT DOWN RELAY OUTPUT
OXYGEN SENSOR 2/1 HEATER CONTROL
18 C2
32 C1
17 C2
Y213 18 PK/LB
EXCEPT CALIFORNIA
CALIFORNIA
S169
K41 18 BR/DG
Y213 18 PK/LB
Y213 18 PK/LB
K299 18 BR/WT
1
3
3
1
OXYGEN SENSOR 1/1 UPSTREAM
OXYGEN SENSOR 2/1 UPSTREAM (CALIFORNIA)
2
4
4
2
Z192 18 BK/WT
K99 18 BR/OR
K241 18 LG/RD
Z193 18 BK/DG
31 C2
33 C2
OXYGEN SENSOR 1/1 HEATER CONTROL
OXYGEN SENSOR 2/1 SIGNAL
POWERTRAIN CONTROL MODULE
G107
(8W-15-9)

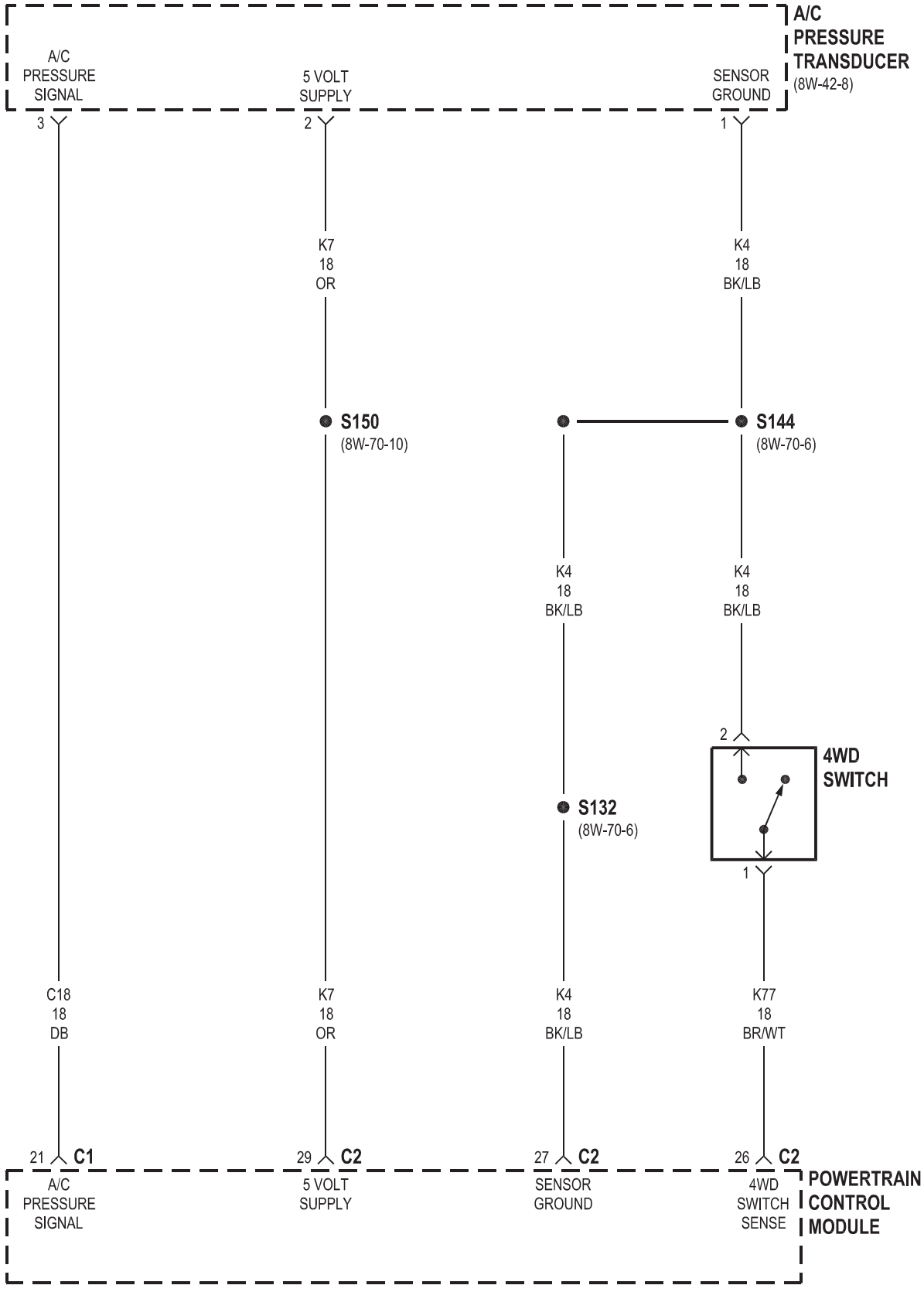

A/C PRESSURE TRANSDUCER
(8W-42-8)
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
3
2
1
K7 18 OR
K4 18 BK/LB
S150
(8W-70-10)
S130
(8W-70-5)
K4 18 BK/LB
S132
(8W-70-5)
K4 20 BK/LB
K4 18 BK/LB
K4 18 BK/LB
MANIFOLD ABSOLUTE PRESSURE SENSOR
INTAKE AIR TEMPERATURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
K6 18 VT/WT
S154
(8W-30-55)
C18 18 DB
K7 18 OR
K4 18 BK/LB
K1 18 DG/RD
K6 18 VT/WT
K2 18 TN/BK
K21 18 BK/RD
21 C1
29 C2
27 C2
23 C2
27 C1
20 C2
30 C2
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
5 VOLT SUPPLY
ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
INTAKE AIR TEMPERATURE SENSOR SIGNAL
POWERTRAIN CONTROL MODULE

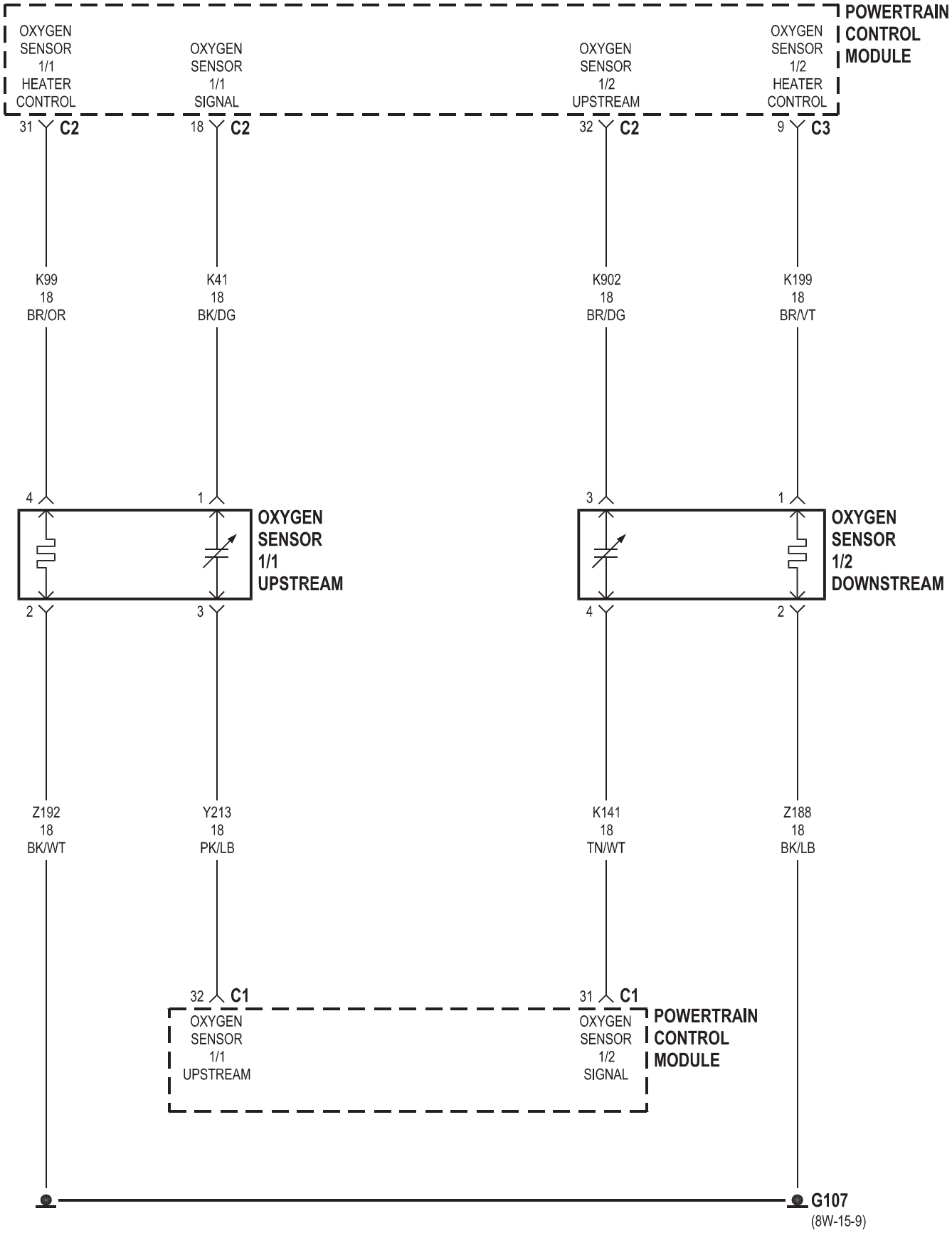

INPUT SPEED SENSOR SIGNAL
SPEED SENSOR GROUND
INPUT SPEED SENSOR
(8W-31-14)
1
2
TWISTED PAIR
T13
18
DB/BK
SPEED SENSOR GROUND
OUTPUT SPEED SENSOR SIGNAL
OUTPUT SPEED SENSOR
(8W-31-14)
1
2
TWISTED PAIR
T13
18
DB/BK
S134
T52
18
RD/BK
T13
18
DB/BK
T14
18
LG/WT
33 C4
34 C4
32 C4
INPUT SPEED SENSOR SIGNAL
SPEED SENSOR GROUND
OUTPUT SPEED SENSOR SIGNAL
POWERTRAIN CONTROL MODULE

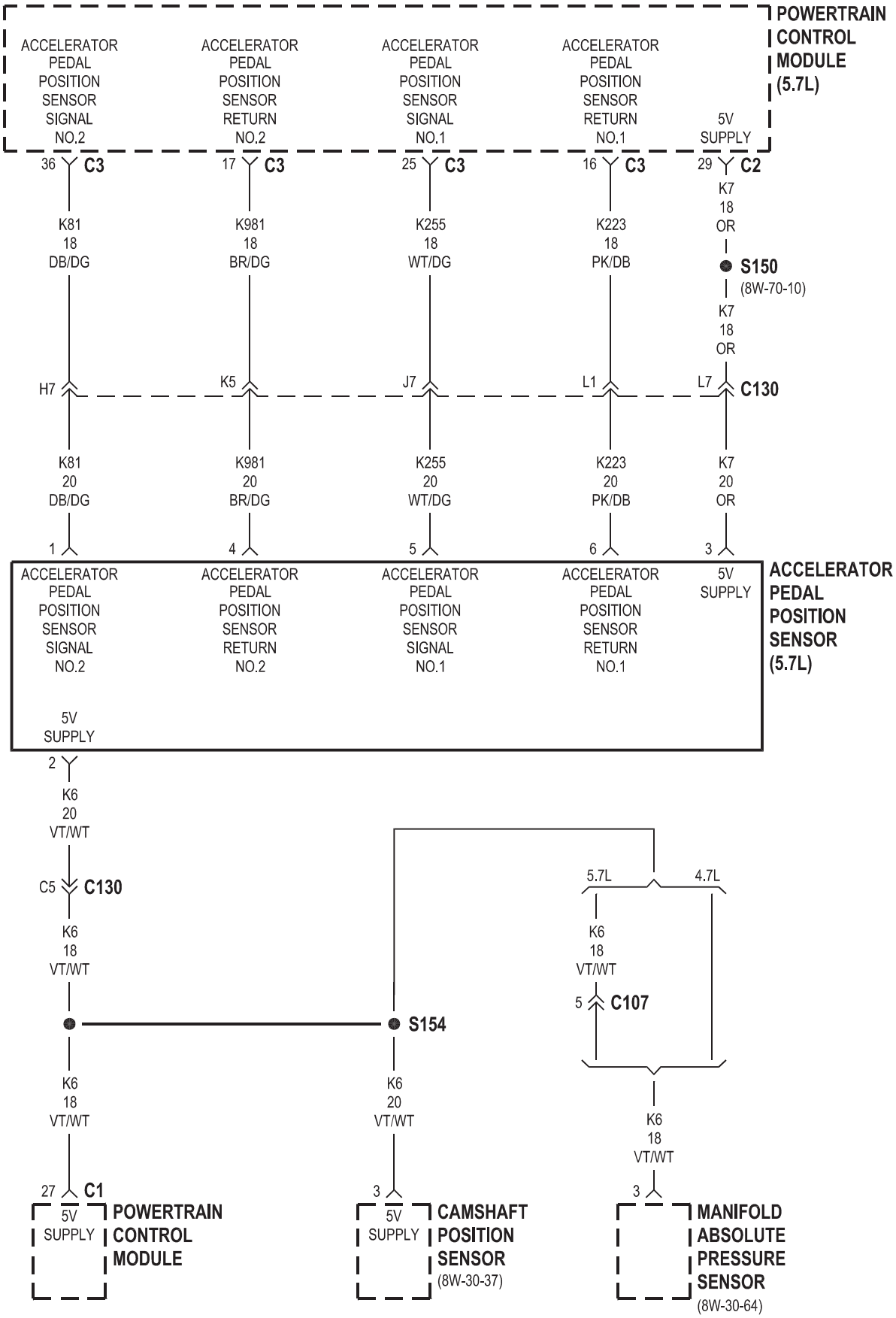

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE
5
40A
(8W-10-27)
87A
87
86
TRANSMISSION CONTROL RELAY
(8W-31-2)
30
85
16 C5
14 C6
2 C5
K30
18
PK
T16
16
RD
K173
18
LG
J6
N2
K6 C130
K30
18
PK
18 C4
TRANSMISSION CONTROL RELAY CONTROL
POWERTRAIN CONTROL MODULE
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY OUTPUT
19 C4
28 C4
38 C4
T16
16
RD
T16
16
RD
T16
16
RD
T16
16
RD
Z16
18
BK
S125
(8W-10-29)
T16
16
RD
10
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION SOLENOID/ TRS ASSEMBLY
(8W-31-3)
(8W-31-4)
(8W-31-12)
G107
(8W-15-8)

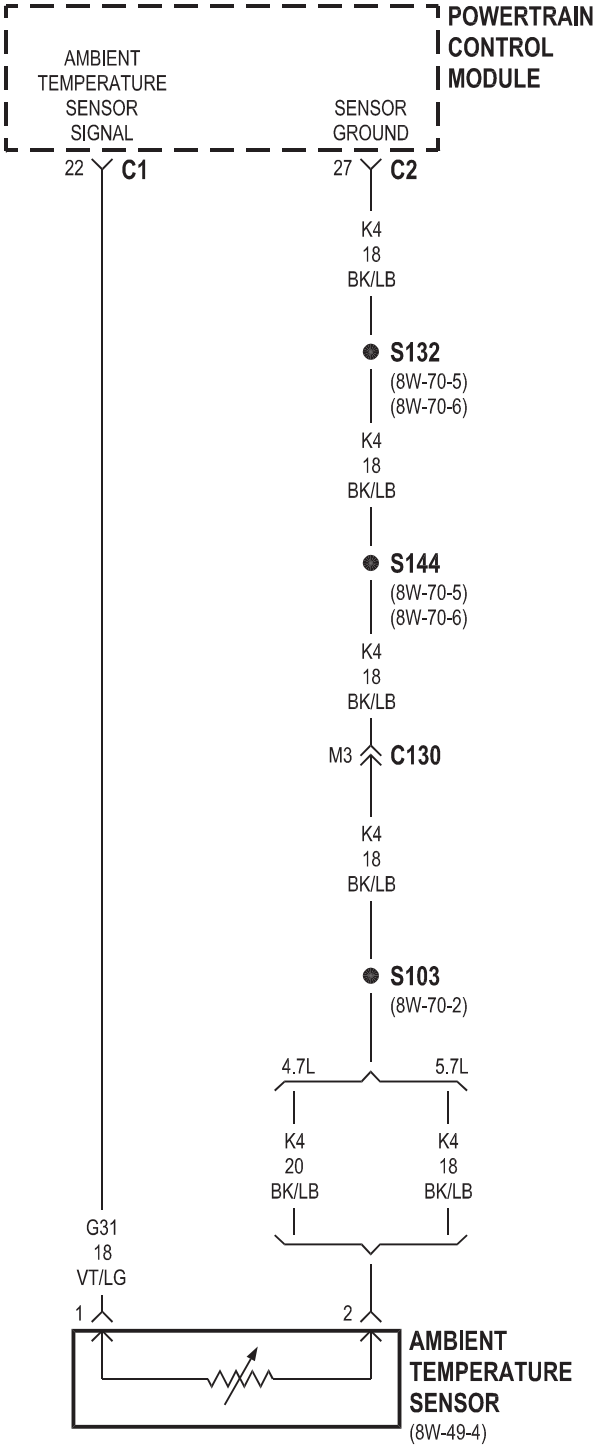

POWERTRAIN CONTROL MODULE
UNDERDRIVE SOLENOID CONTROL
UNDERDRIVE PRESSURE SWITCH SENSE
4C SOLENOID CONTROL
8 C4
21 C4
2 C4
T59 18 PK
T29 18 GY
T159 18 DG/WT
17
18
19
TRANSMISSION SOLENOID/ TRS ASSEMBLY
(8W-31-10)
(8W-31-11)
(8W-31-12)
UNDERDRIVE SOLENOID CONTROL
UNDERDRIVE PRESSURE SWITCH SENSE
4C SOLENOID CONTROL
2C SOLENOID CONTROL
MS SOLENOID CONTROL
TRANSMISSION TEMPERATURE SENSOR SIGNAL
20
21
23
T119 18 WT/DB
T140 18 VT/LG
T54 18 VT
6 C4
4 C4
35 C4
POWERTRAIN CONTROL MODULE
2C SOLENOID CONTROL
MS SOLENOID CONTROL
TRANSMISSION TEMPERATURE SENSOR SIGNAL

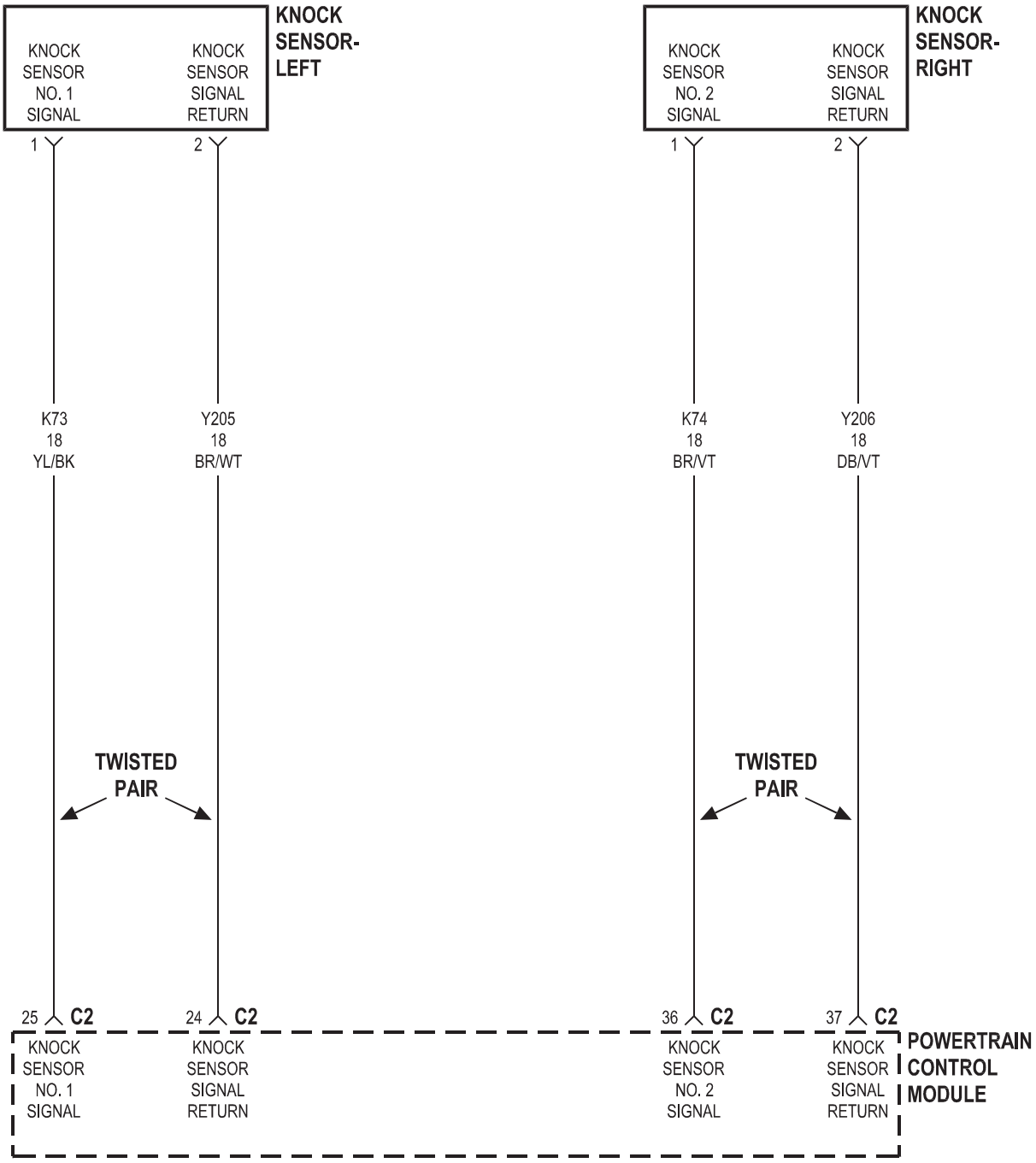

POWERTRAIN CONTROL MODULE
LR SOLENOID CONTROL
PARK/NEUTRAL POSITION SWITCH SENSE (T41)
TRS T42 SENSE
OD SOLENOID CONTROL
TRS T3 SENSE
TRS T1 SENSE
10 C4
21 C3
37 C4
1 C4
16 C4
15 C4
T120 18 LG
T24 20 BR/YL
T42 18 VT/WT
T60 18 BR
T3 18 VT
T1 18 LG/BK
2
3
5
7
8
9
LR SOLENOID CONTROL
PARK/NEUTRAL POSITION SWITCH SENSE (T41)
TRS T42 SENSE
OD SOLENOID CONTROL
TRS T3 SENSE
TRS T1 SENSE
TRANSMISSION SOLENOID/ TRS ASSEMBLY
(8W-31-10)
(8W-31-11)
(8W-31-12)
4C PRESSURE SWITCH SENSE
PRESSURE CONTROL SOLENOID CONTROL
TRS T2 SENSE
LOW/REVERSE PRESSURE SWITCH SENSE
2C PRESSURE SWITCH SENSE
OVERDRIVE PRESSURE SWITCH SENSE
11
12
13
14
15
16
T48 18 DB
T118 18 YL/DB
T4 18 PK/OR
T50 18 DG
T147 18 LB
T9 18 OR/BK
20 C4
11 C4
26 C4
29 C4
30 C4
22 C4
4C PRESSURE SWITCH SENSE
PRESSURE CONTROL SOLENOID CONTROL
TRS T2 SENSE
LOW/REVERSE PRESSURE SWITCH SENSE
2C PRESSURE SWITCH SENSE
OVERDRIVE PRESSURE SWITCH SENSE
POWERTRAIN CONTROL MODULE

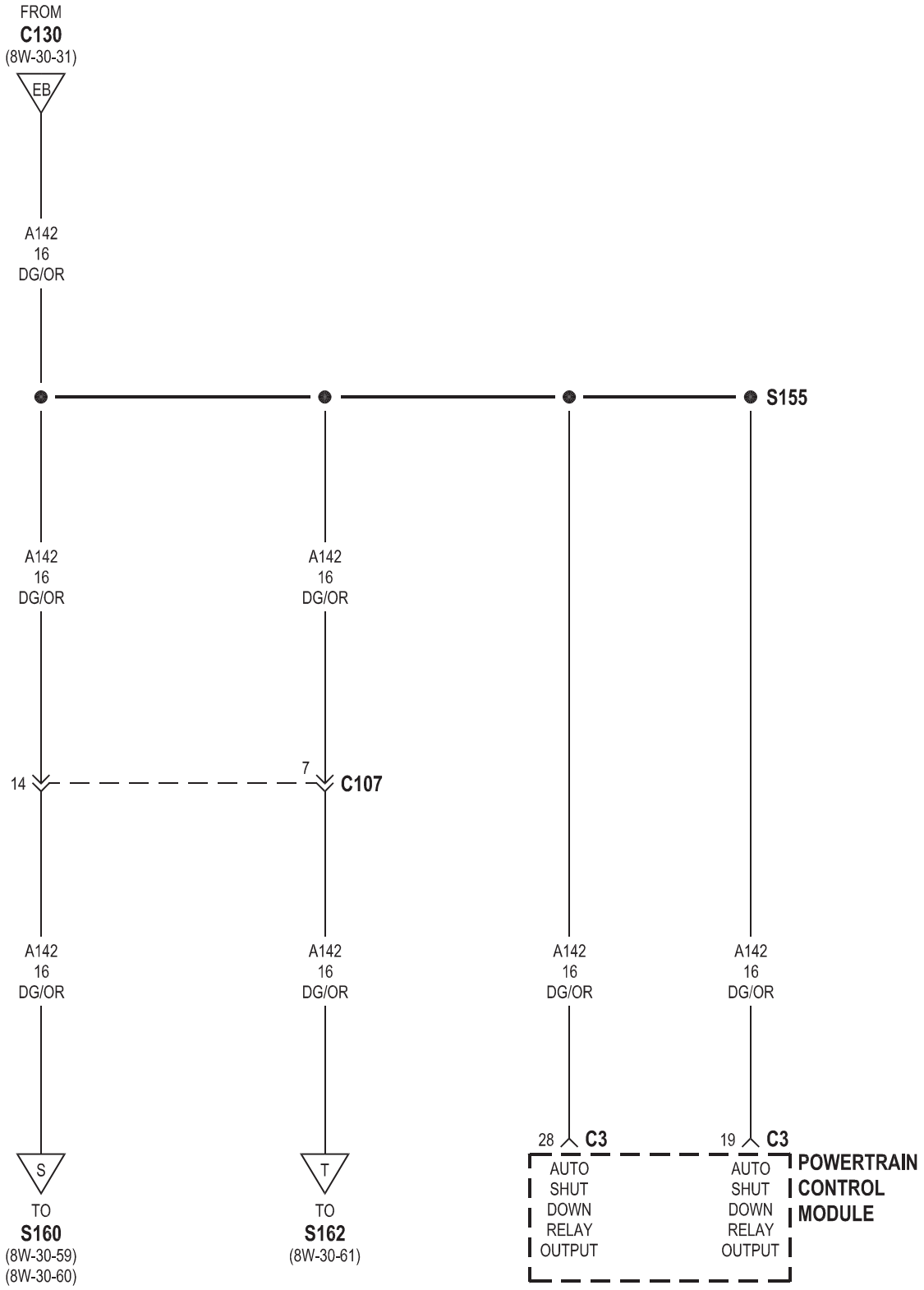

A/C PRESSURE TRANSDUCER
(8W-42-8)
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
3
2
1
K7 18 OR
K4 18 BK/LB
S150
(8W-70-10)
S144
(8W-70-6)
K4 18 BK/LB
K4 18 BK/LB
2
4WD SWITCH
S132
(8W-70-6)
1
C18 18 DB
K7 18 OR
K4 18 BK/LB
K77 18 BR/WT
21 C1
29 C2
27 C2
26 C2
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
4WD SWITCH SENSE
POWERTRAIN CONTROL MODULE

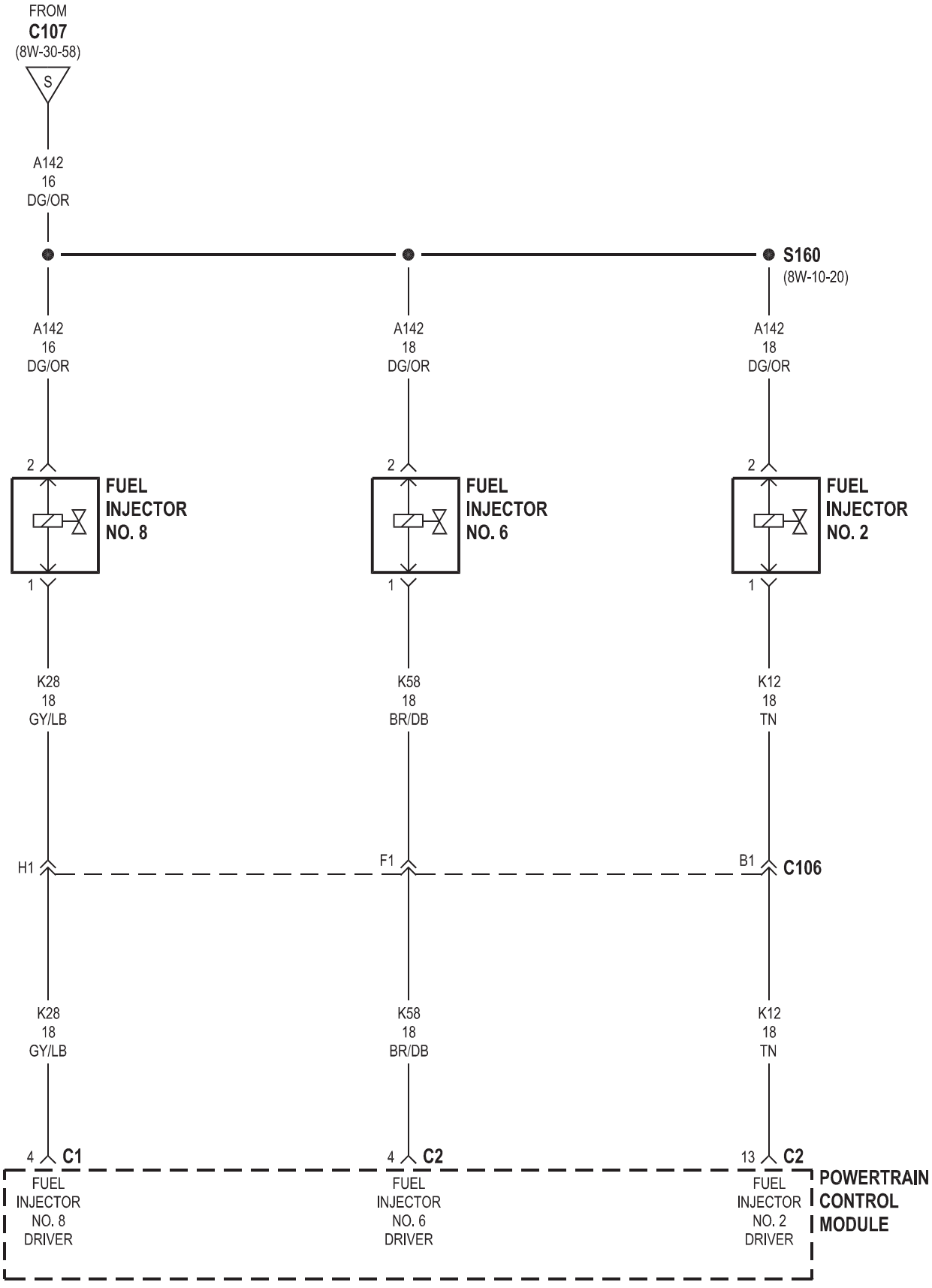

POWERTRAIN CONTROL MODULE
OXYGEN SENSOR 1/1 HEATER CONTROL
OXYGEN SENSOR 1/1 SIGNAL
OXYGEN SENSOR 1/2 UPSTREAM
OXYGEN SENSOR 1/2 HEATER CONTROL
31 C2
18 C2
32 C2
9 C3
K99 18 BR/OR
K41 18 BK/DG
K902 18 BR/DG
K199 18 BR/VT
4
1
3
1
OXYGEN SENSOR 1/1 UPSTREAM
OXYGEN SENSOR 1/2 DOWNSTREAM
2
3
4
2
Z192 18 BK/WT
Y213 18 PK/LB
K141 18 TN/WT
Z188 18 BK/LB
32 C1
31 C1
OXYGEN SENSOR 1/1 UPSTREAM
OXYGEN SENSOR 1/2 SIGNAL
POWERTRAIN CONTROL MODULE
G107
(8W-15-9)

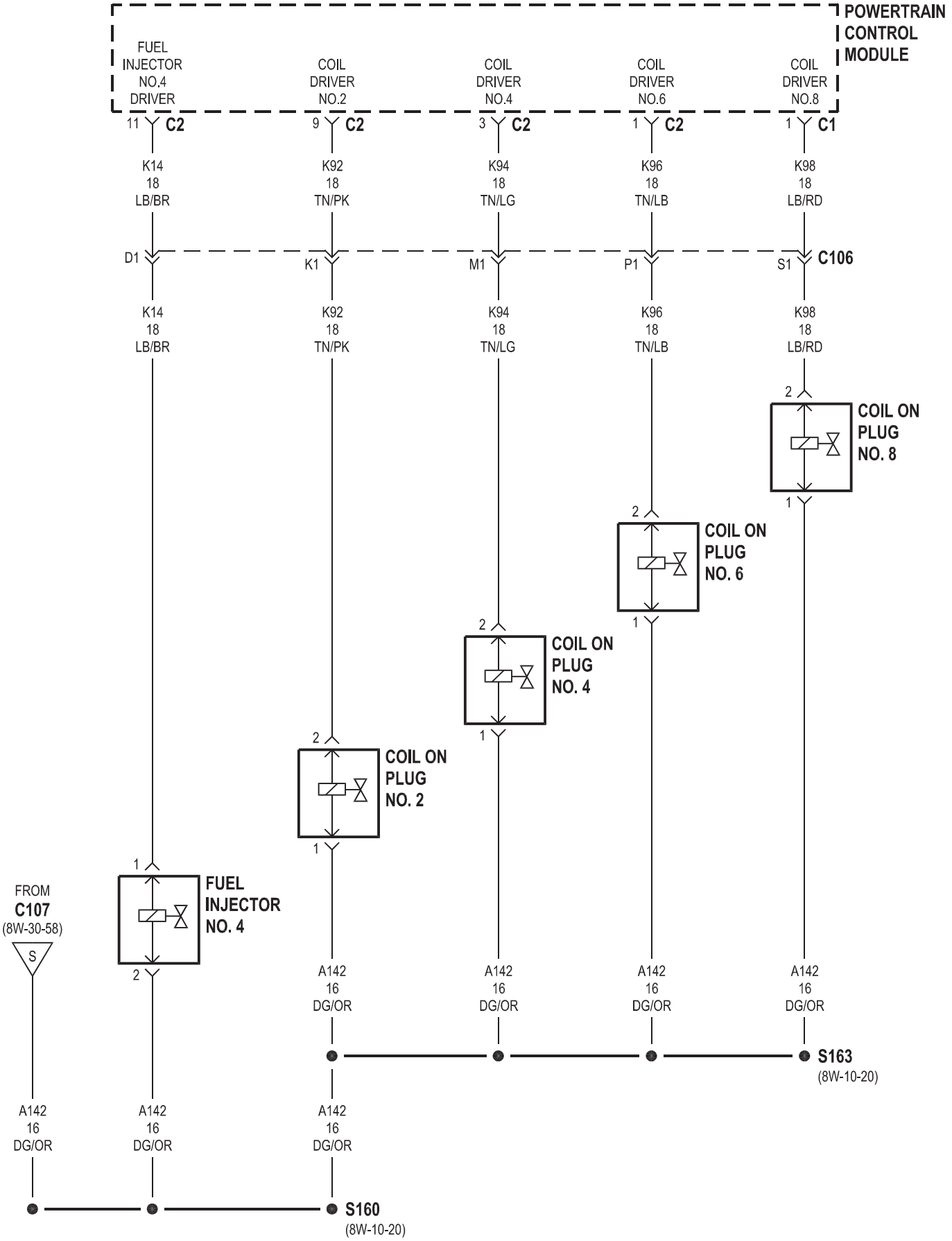

POWERTRAIN CONTROL MODULE (5.7L)
ACCELERATOR PEDAL POSITION SENSOR SIGNAL NO.2
ACCELERATOR PEDAL POSITION SENSOR RETURN NO.2
ACCELERATOR PEDAL POSITION SENSOR SIGNAL NO.1
ACCELERATOR PEDAL POSITION SENSOR RETURN NO.1
5V SUPPLY
36 C3
17 C3
25 C3
16 C3
29 C2
K81 18 DB/DG
K981 18 BR/DG
K255 18 WT/DG
K223 18 PK/DB
K7 18 OR
S150
(8W-70-10)
H7
K5
J7
L1
L7 C130
K81 20 DB/DG
K981 20 BR/DG
K255 20 WT/DG
K223 20 PK/DB
K7 20 OR
1
4
5
6
3
ACCELERATOR PEDAL POSITION SENSOR (5.7L)
5V SUPPLY
2
K6 20 VT/WT
C5 C130
K6 18 VT/WT
S154
5.7L
4.7L
5 C107
K6 20 VT/WT
K6 18 VT/WT
27 C1
3
3
5V SUPPLY
POWERTRAIN CONTROL MODULE
CAMSHAFT POSITION SENSOR (8W-30-37)
MANIFOLD ABSOLUTE PRESSURE SENSOR (8W-30-64)

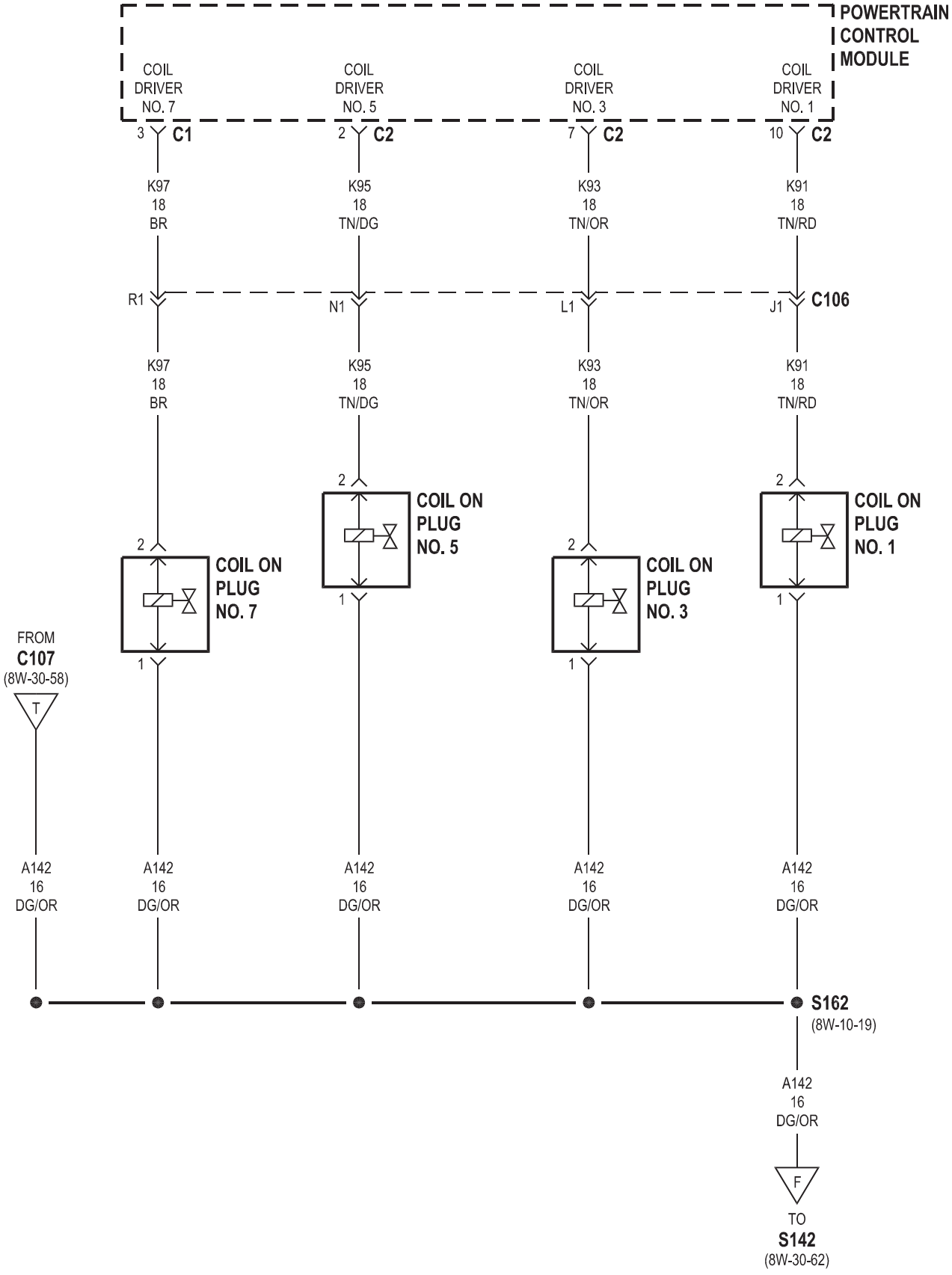

POWERTRAIN CONTROL MODULE
AMBIENT TEMPERATURE SENSOR SIGNAL
SENSOR GROUND
22 C1
27 C2
K4
18
BK/LB
S132
(8W-70-5)
(8W-70-6)
K4
18
BK/LB
S144
(8W-70-5)
(8W-70-6)
K4
18
BK/LB
M3 C130
K4
18
BK/LB
S103
(8W-70-2)
4.7L
5.7L
K4
20
BK/LB
K4
18
BK/LB
G31
18
VT/LG
1
2
AMBIENT TEMPERATURE SENSOR
(8W-49-4)

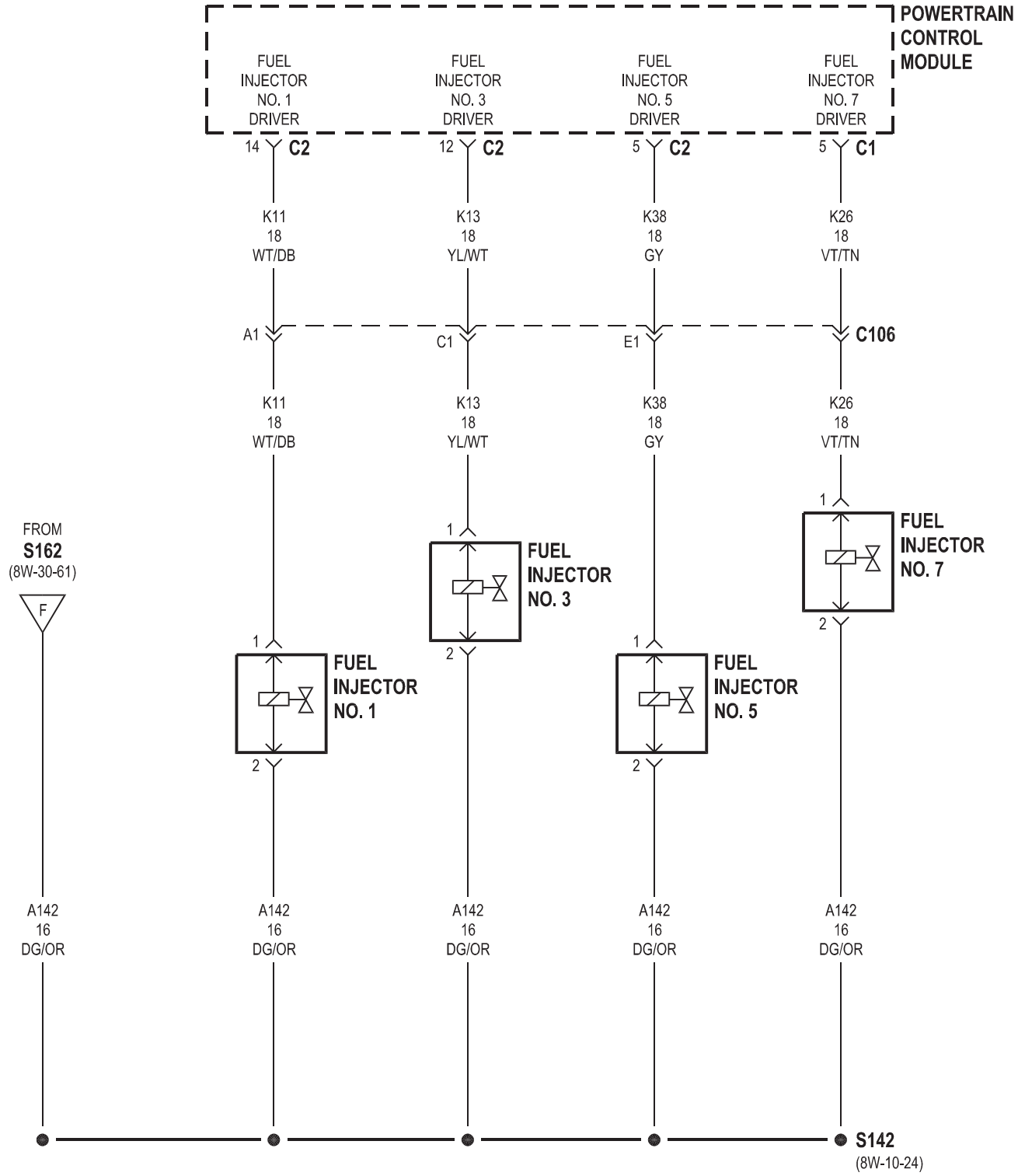

KNOCK SENSOR- LEFT
KNOCK SENSOR NO. 1 SIGNAL
KNOCK SENSOR SIGNAL RETURN
1
2
K73 18 YL/BK
Y205 18 BR/WT
KNOCK SENSOR- RIGHT
KNOCK SENSOR NO. 2 SIGNAL
KNOCK SENSOR SIGNAL RETURN
1
2
K74 18 BR/VT
Y206 18 DB/VT
TWISTED PAIR
TWISTED PAIR
25 C2
24 C2
36 C2
37 C2
KNOCK SENSOR NO. 1 SIGNAL
KNOCK SENSOR SIGNAL RETURN
KNOCK SENSOR NO. 2 SIGNAL
KNOCK SENSOR SIGNAL RETURN
POWERTRAIN CONTROL MODULE

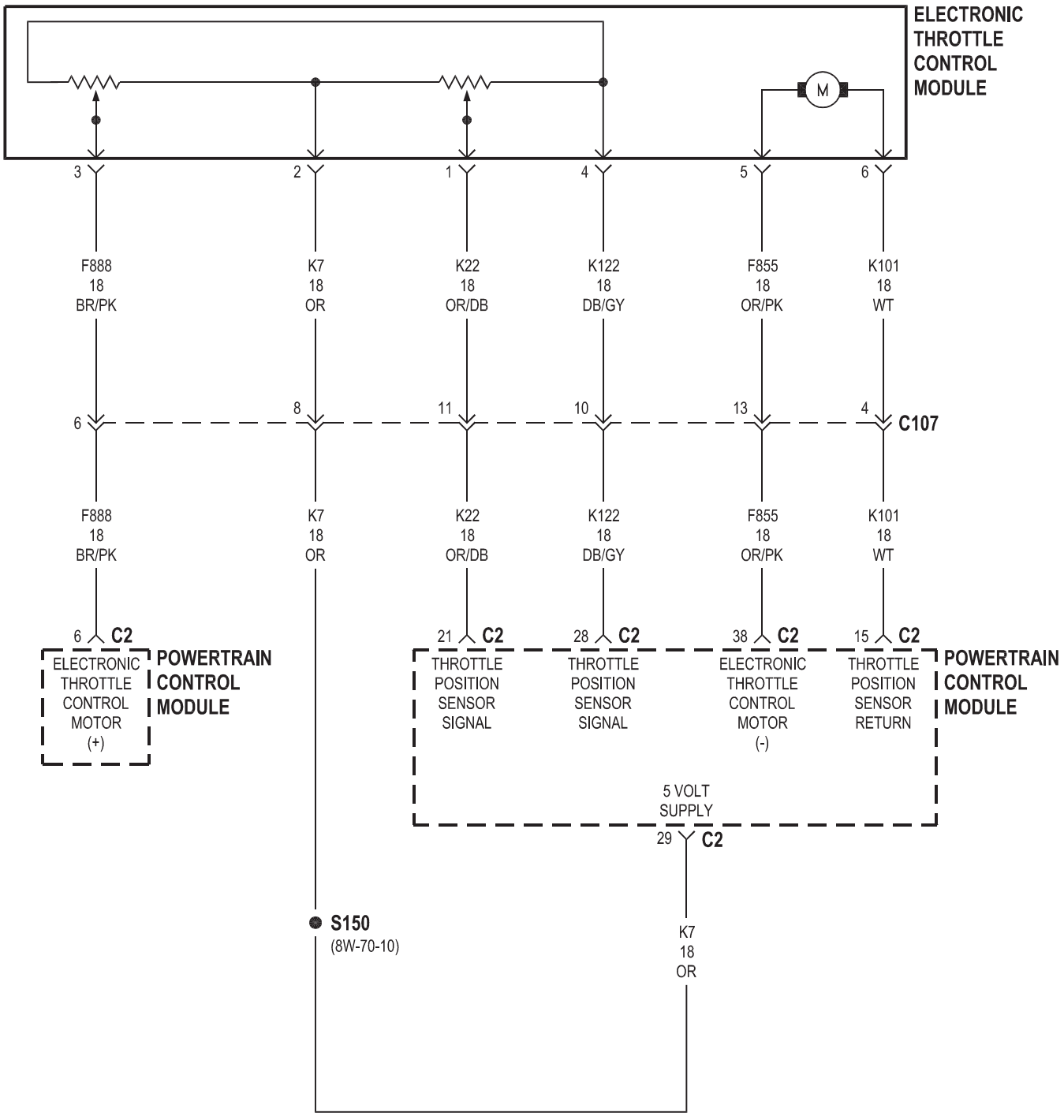

FROM
C130
(8W-30-31)
EB
A142
16
DG/OR
S155
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
14
7
C107
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
A142
16
DG/OR
28
C3
19
C3
AUTO
SHUT
DOWN
RELAY
OUTPUT
AUTO
SHUT
DOWN
RELAY
OUTPUT
POWERTRAIN
CONTROL
MODULE
S
T
TO
S160
(8W-30-59)
(8W-30-60)
TO
S162
(8W-30-61)

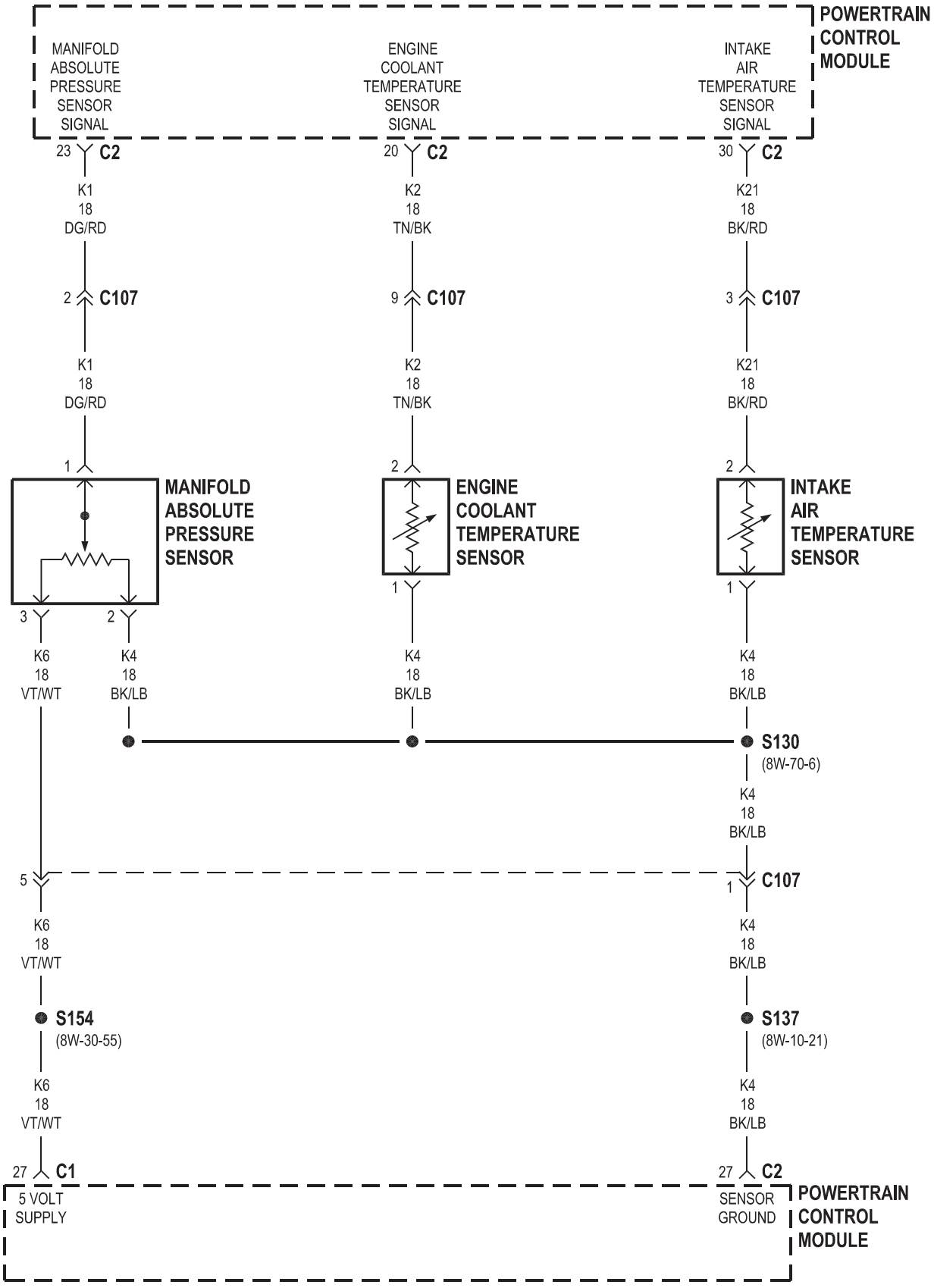

FROM
C107
(8W-30-58)
S
A142
16
DG/OR
S160
(8W-10-20)
A142
16
DG/OR
A142
18
DG/OR
A142
18
DG/OR
2
FUEL
INJECTOR
NO. 8
1
2
FUEL
INJECTOR
NO. 6
1
2
FUEL
INJECTOR
NO. 2
1
K28
18
GY/LB
K58
18
BR/DB
K12
18
TN
H1
F1
B1
C106
K28
18
GY/LB
K58
18
BR/DB
K12
18
TN
4
C1
4
C2
13
C2
FUEL
INJECTOR
NO. 8
DRIVER
FUEL
INJECTOR
NO. 6
DRIVER
FUEL
INJECTOR
NO. 2
DRIVER
POWERTRAIN
CONTROL
MODULE

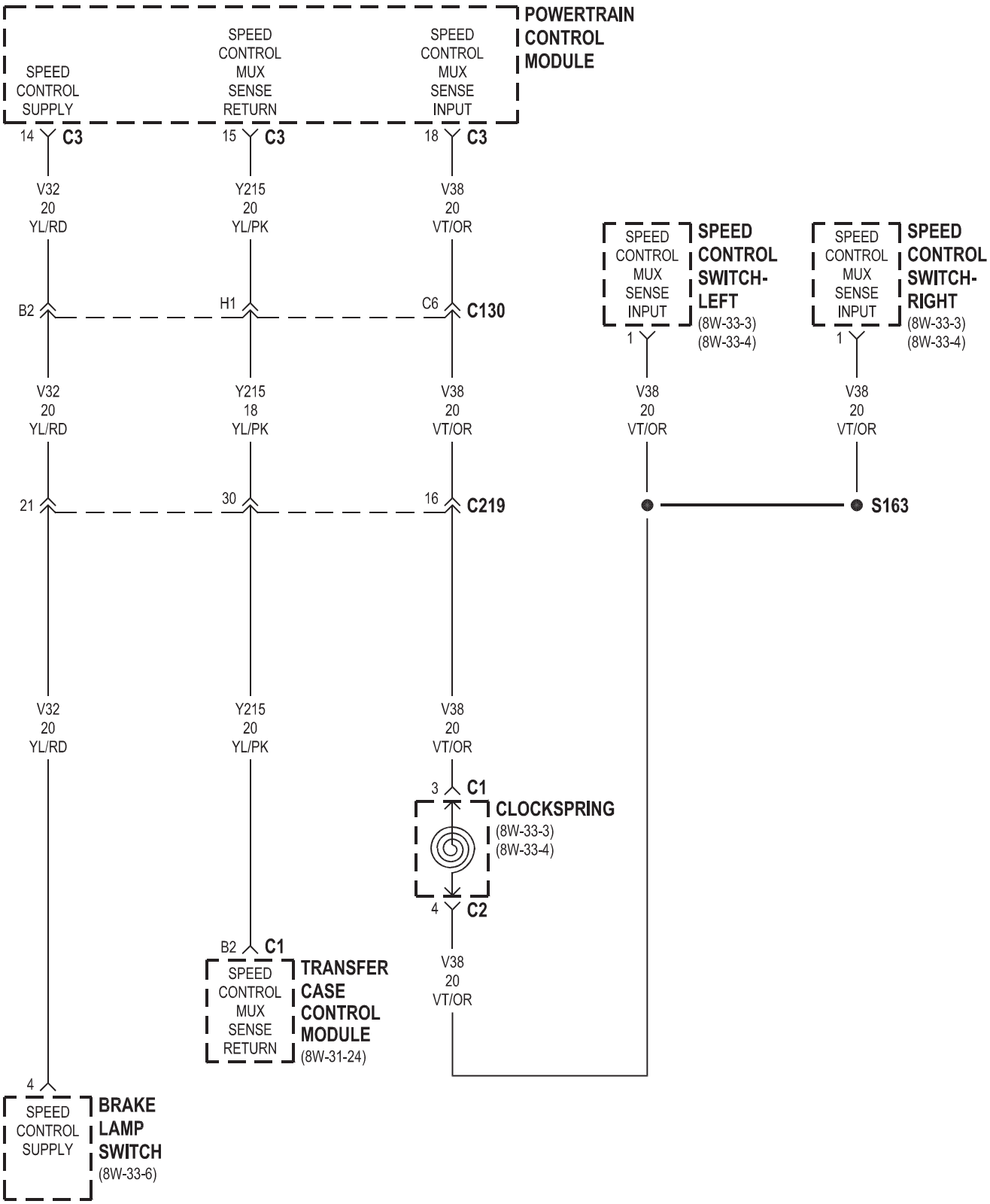

POWERTRAIN CONTROL MODULE
FUEL INJECTOR NO.4 DRIVER
COIL DRIVER NO.2
COIL DRIVER NO.4
COIL DRIVER NO.6
COIL DRIVER NO.8
11 C2
9 C2
3 C2
1 C2
1 C1
K14 18 LB/BR
K92 18 TN/PK
K94 18 TN/LG
K96 18 TN/LB
K98 18 LB/RD
D1
K1
M1
P1
S1 C106
K14 18 LB/BR
K92 18 TN/PK
K94 18 TN/LG
K96 18 TN/LB
K98 18 LB/RD
2
COIL ON PLUG NO. 8
1
2
COIL ON PLUG NO. 6
1
2
COIL ON PLUG NO. 4
1
2
COIL ON PLUG NO. 2
1
1
FUEL INJECTOR NO. 4
2
FROM C107 (8W-30-58)
S
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
S163
(8W-10-20)
A142 16 DG/OR
A142 16 DG/OR
A142 16 DG/OR
S160
(8W-10-20)

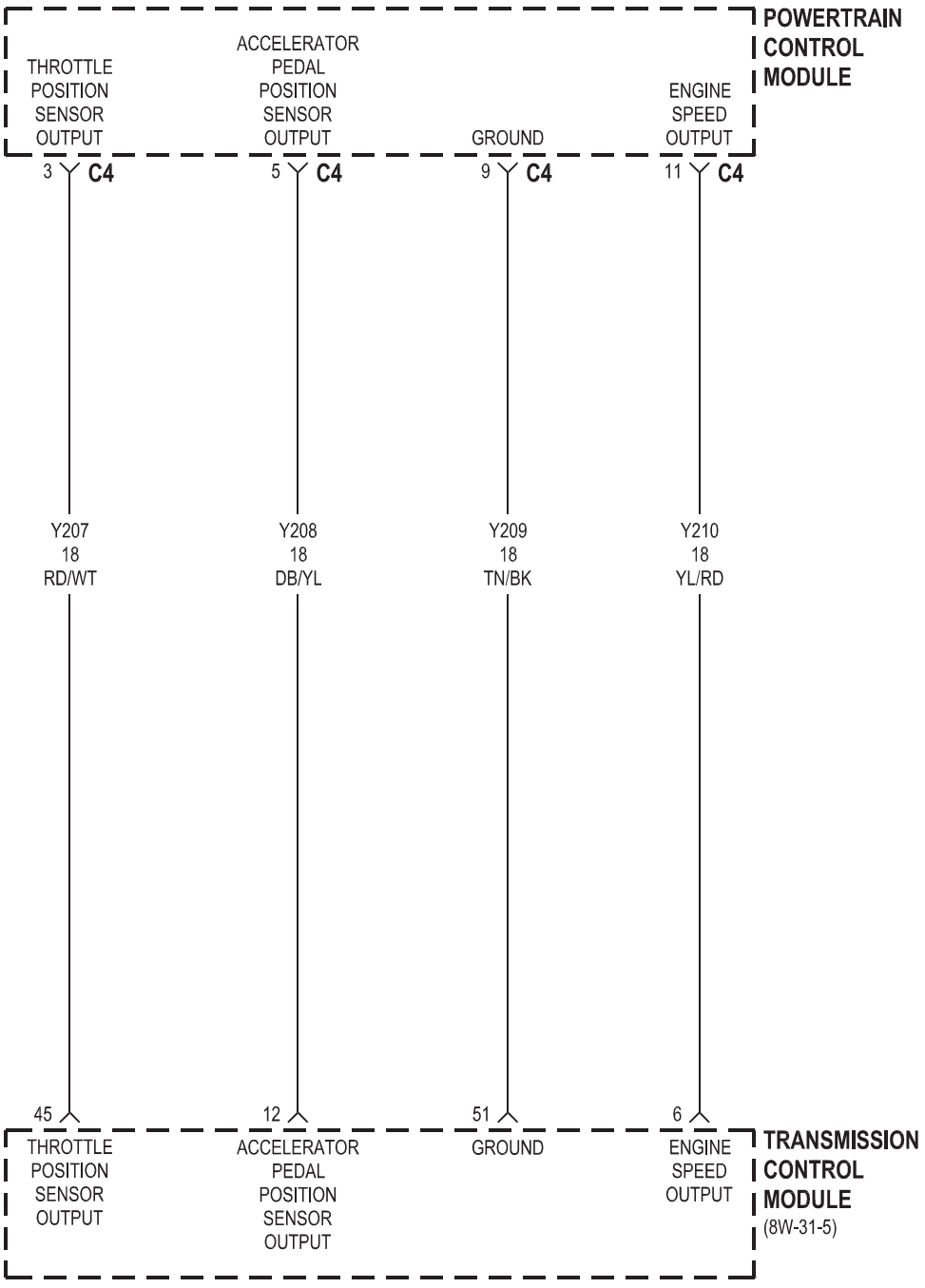

POWERTRAIN CONTROL MODULE
COIL DRIVER NO. 7
COIL DRIVER NO. 5
COIL DRIVER NO. 3
COIL DRIVER NO. 1
3 C1
2 C2
7 C2
10 C2
K97 18 BR
K95 18 TN/DG
K93 18 TN/OR
K91 18 TN/RD
R1
N1
L1
J1
C106
COIL ON PLUG NO. 7
COIL ON PLUG NO. 5
COIL ON PLUG NO. 3
COIL ON PLUG NO. 1
FROM C107 (8W-30-58)
T
A142 16 DG/OR
S162 (8W-10-19)
F
TO S142 (8W-30-62)

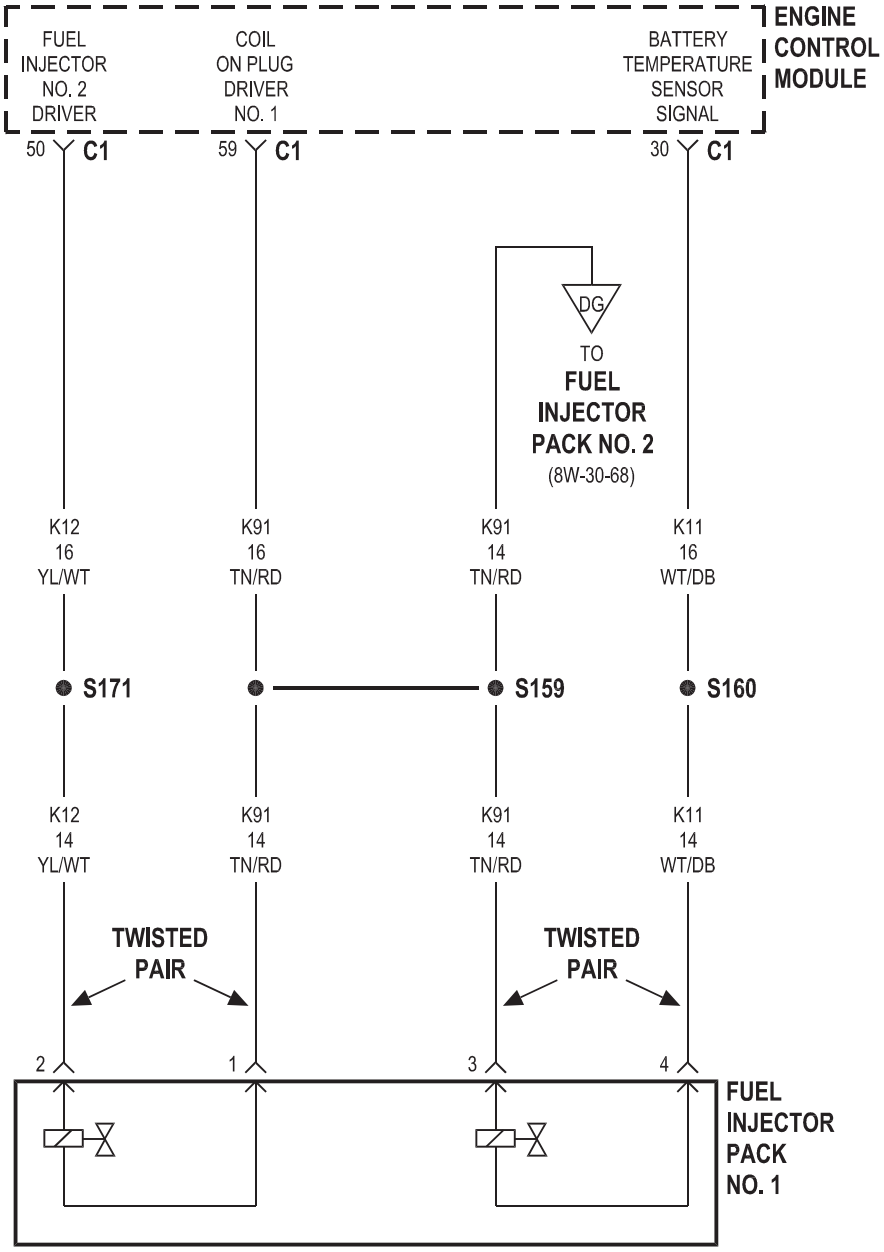

POWERTRAIN CONTROL MODULE
FUEL INJECTOR NO. 1 DRIVER
FUEL INJECTOR NO. 3 DRIVER
FUEL INJECTOR NO. 5 DRIVER
FUEL INJECTOR NO. 7 DRIVER
14 C2
12 C2
5 C2
5 C1
K11 18 WT/DB
K13 18 YL/WT
K38 18 GY
K26 18 VT/TN
A1
C1
E1
C106
FROM S162 (8W-30-61)
F
FUEL INJECTOR NO. 1
FUEL INJECTOR NO. 3
FUEL INJECTOR NO. 5
FUEL INJECTOR NO. 7
A142 16 DG/OR
S142 (8W-10-24)

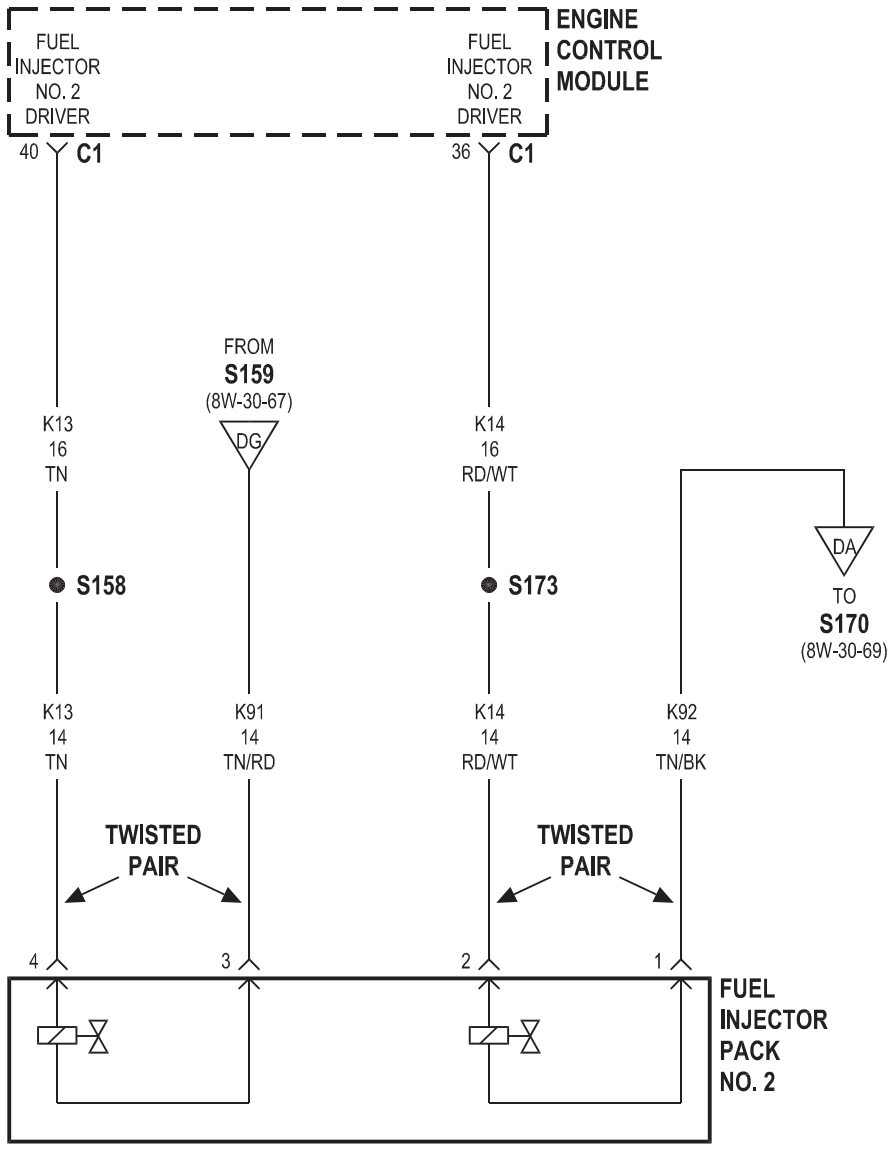

ELECTRONIC THROTTLE CONTROL MODULE
M
3
2
1
4
5
6
F888 18 BR/PK
K7 18 OR
K22 18 OR/DB
K122 18 DB/GY
F855 18 OR/PK
K101 18 WT
6
8
11
10
13
4
C107
F888 18 BR/PK
K7 18 OR
K22 18 OR/DB
K122 18 DB/GY
F855 18 OR/PK
K101 18 WT
6 C2
21 C2
28 C2
38 C2
15 C2
ELECTRONIC THROTTLE CONTROL MOTOR (+)
POWERTRAIN CONTROL MODULE
THROTTLE POSITION SENSOR SIGNAL
THROTTLE POSITION SENSOR SIGNAL
ELECTRONIC THROTTLE CONTROL MOTOR (-)
THROTTLE POSITION SENSOR RETURN
POWERTRAIN CONTROL MODULE
5 VOLT SUPPLY
29 C2
S150
(8W-70-10)
K7 18 OR

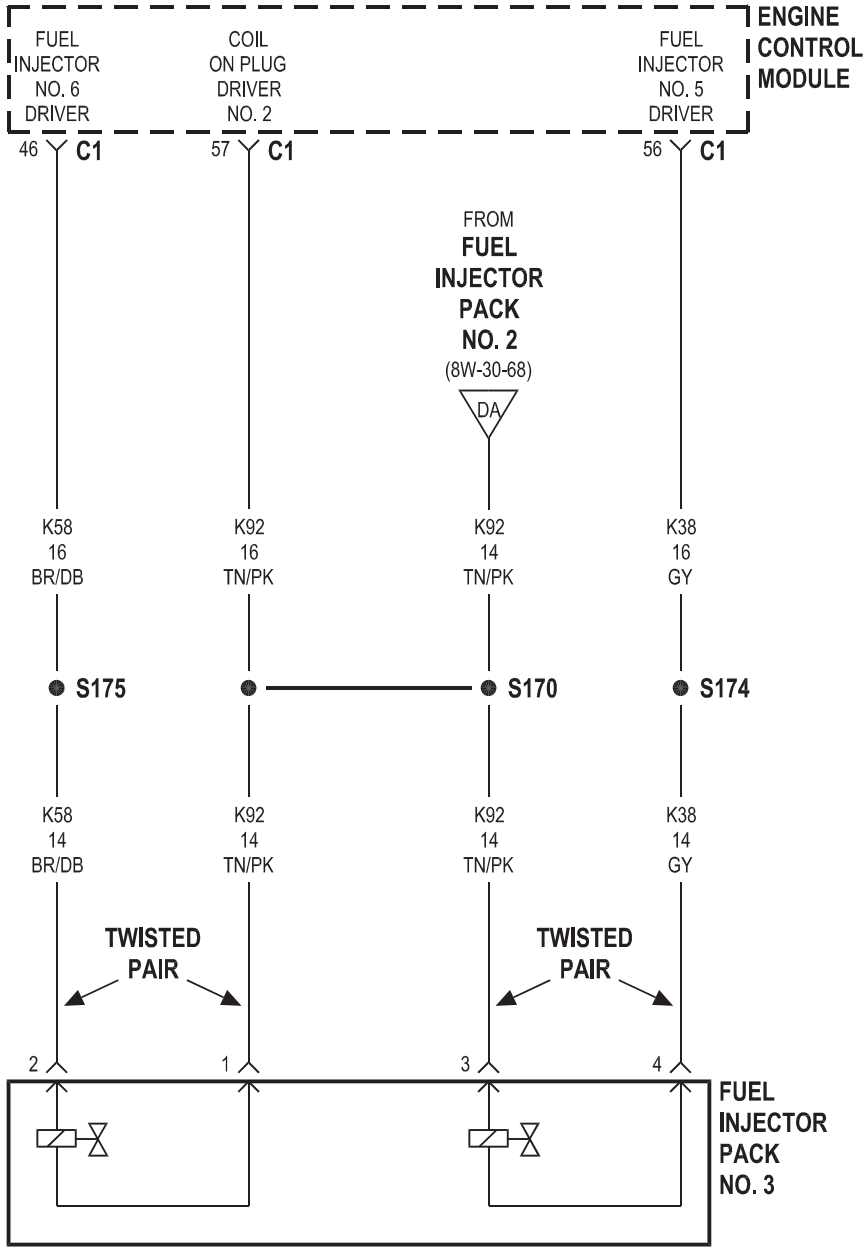

POWERTRAIN CONTROL MODULE
MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
INTAKE AIR TEMPERATURE SENSOR SIGNAL
23 C2
20 C2
30 C2
K1 18 DG/RD
K2 18 TN/BK
K21 18 BK/RD
2 C107
9 C107
3 C107
K1 18 DG/RD
K2 18 TN/BK
K21 18 BK/RD
1
2
2
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
INTAKE AIR TEMPERATURE SENSOR
3
2
1
1
K6 18 VT/WT
K4 18 BK/LB
K4 18 BK/LB
K4 18 BK/LB
S130
(8W-70-6)
K4 18 BK/LB
5
1 C107
K6 18 VT/WT
K4 18 BK/LB
S154
(8W-30-55)
S137
(8W-10-21)
K6 18 VT/WT
K4 18 BK/LB
27 C1
27 C2
5 VOLT SUPPLY
SENSOR GROUND
POWERTRAIN CONTROL MODULE

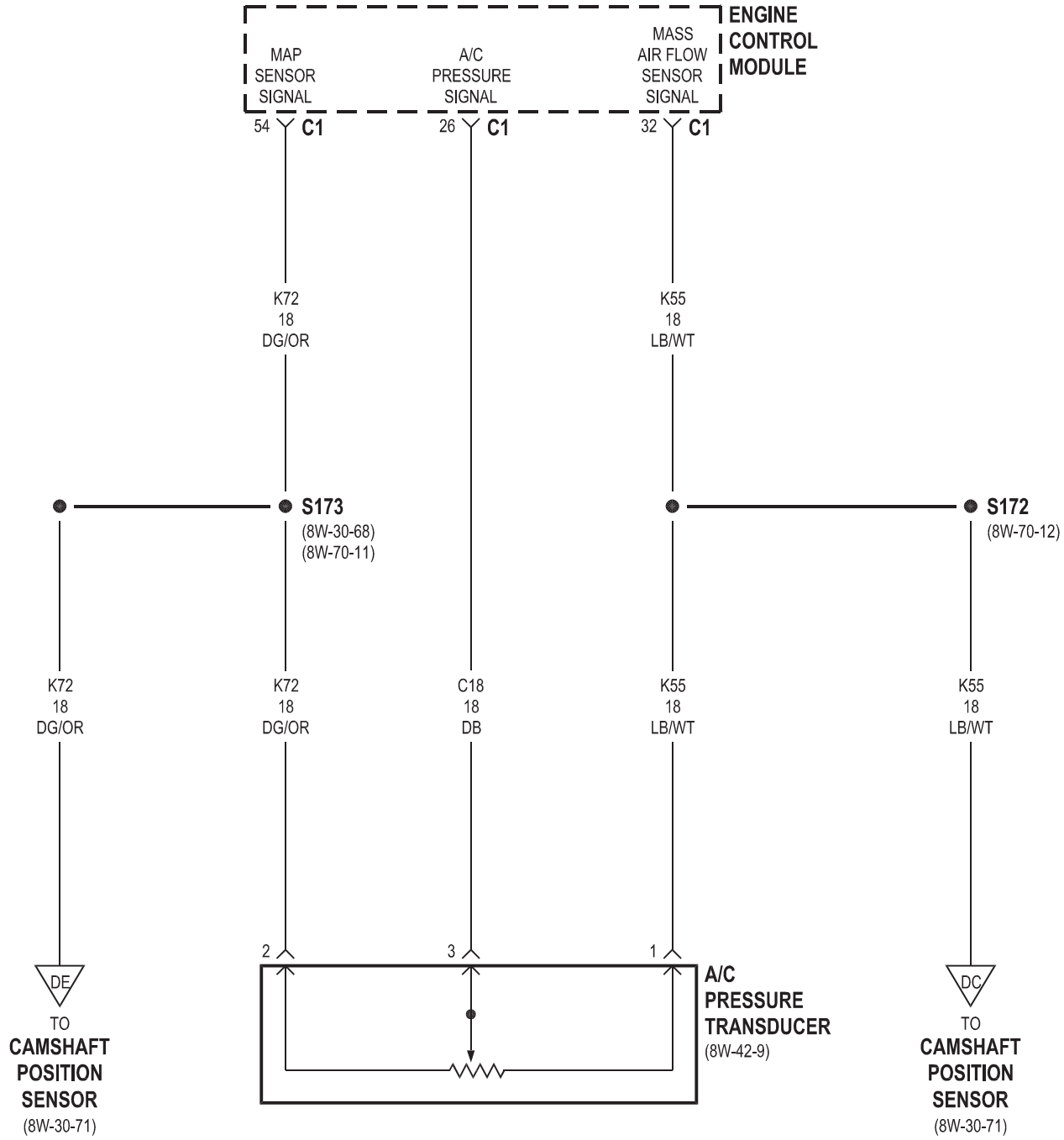

POWERTRAIN CONTROL MODULE
SPEED CONTROL SUPPLY
SPEED CONTROL MUX SENSE RETURN
SPEED CONTROL MUX SENSE INPUT
14 C3
15 C3
18 C3
V32 20 YL/RD
Y215 20 YL/PK
V38 20 VT/OR
B2
H1
C6 C130
V32 20 YL/RD
Y215 18 YL/PK
V38 20 VT/OR
21
30
16 C219
V32 20 YL/RD
Y215 20 YL/PK
V38 20 VT/OR
3 C1
CLOCKSPRING
(8W-33-3)
(8W-33-4)
4 C2
B2 C1
SPEED CONTROL MUX SENSE RETURN
TRANSFER CASE CONTROL MODULE
(8W-31-24)
V38 20 VT/OR
4
SPEED CONTROL SUPPLY
BRAKE LAMP SWITCH
(8W-33-6)
SPEED CONTROL MUX SENSE INPUT
SPEED CONTROL SWITCH-LEFT
(8W-33-3)
(8W-33-4)
1
V38 20 VT/OR
SPEED CONTROL MUX SENSE INPUT
SPEED CONTROL SWITCH-RIGHT
(8W-33-3)
(8W-33-4)
1
V38 20 VT/OR
S163

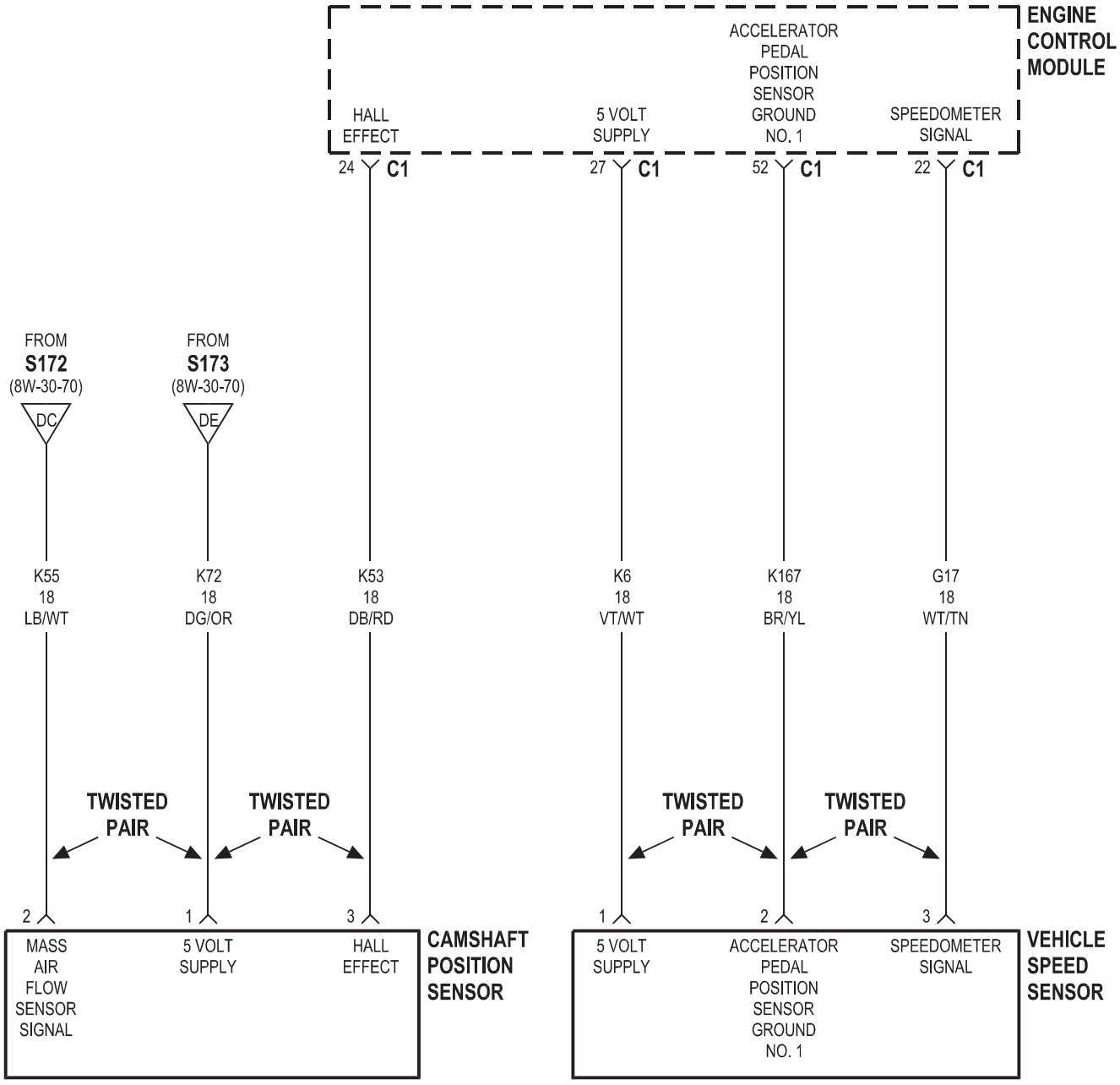

POWERTRAIN CONTROL MODULE
THROTTLE POSITION SENSOR OUTPUT
ACCELERATOR PEDAL POSITION SENSOR OUTPUT
GROUND
ENGINE SPEED OUTPUT
3 C4
5 C4
9 C4
11 C4
Y207 18 RD/WT
Y208 18 DB/YL
Y209 18 TN/BK
Y210 18 YL/RD
45
12
51
6
THROTTLE POSITION SENSOR OUTPUT
ACCELERATOR PEDAL POSITION SENSOR OUTPUT
GROUND
ENGINE SPEED OUTPUT
TRANSMISSION CONTROL MODULE
(8W-31-5)

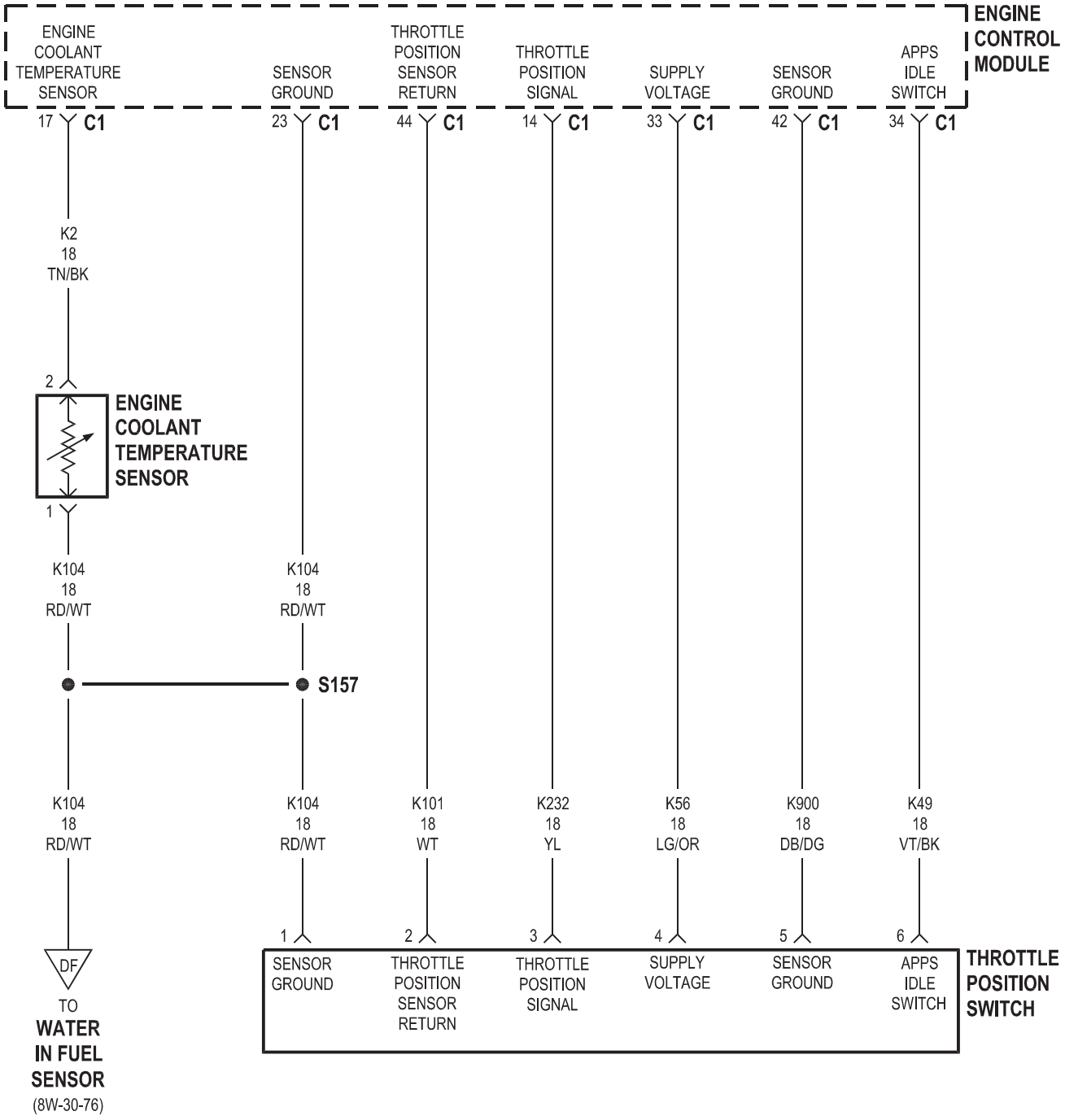

ENGINE CONTROL MODULE
FUEL INJECTOR NO. 2 DRIVER
COIL ON PLUG DRIVER NO. 1
BATTERY TEMPERATURE SENSOR SIGNAL
50 C1
59 C1
30 C1
DG
TO FUEL INJECTOR PACK NO. 2
(8W-30-68)
K12 16 YL/WT
K91 16 TN/RD
K91 14 TN/RD
K11 16 WT/DB
S171
S159
S160
K12 14 YL/WT
K91 14 TN/RD
K91 14 TN/RD
K11 14 WT/DB
TWISTED PAIR
TWISTED PAIR
2
1
3
4
FUEL INJECTOR PACK NO. 1

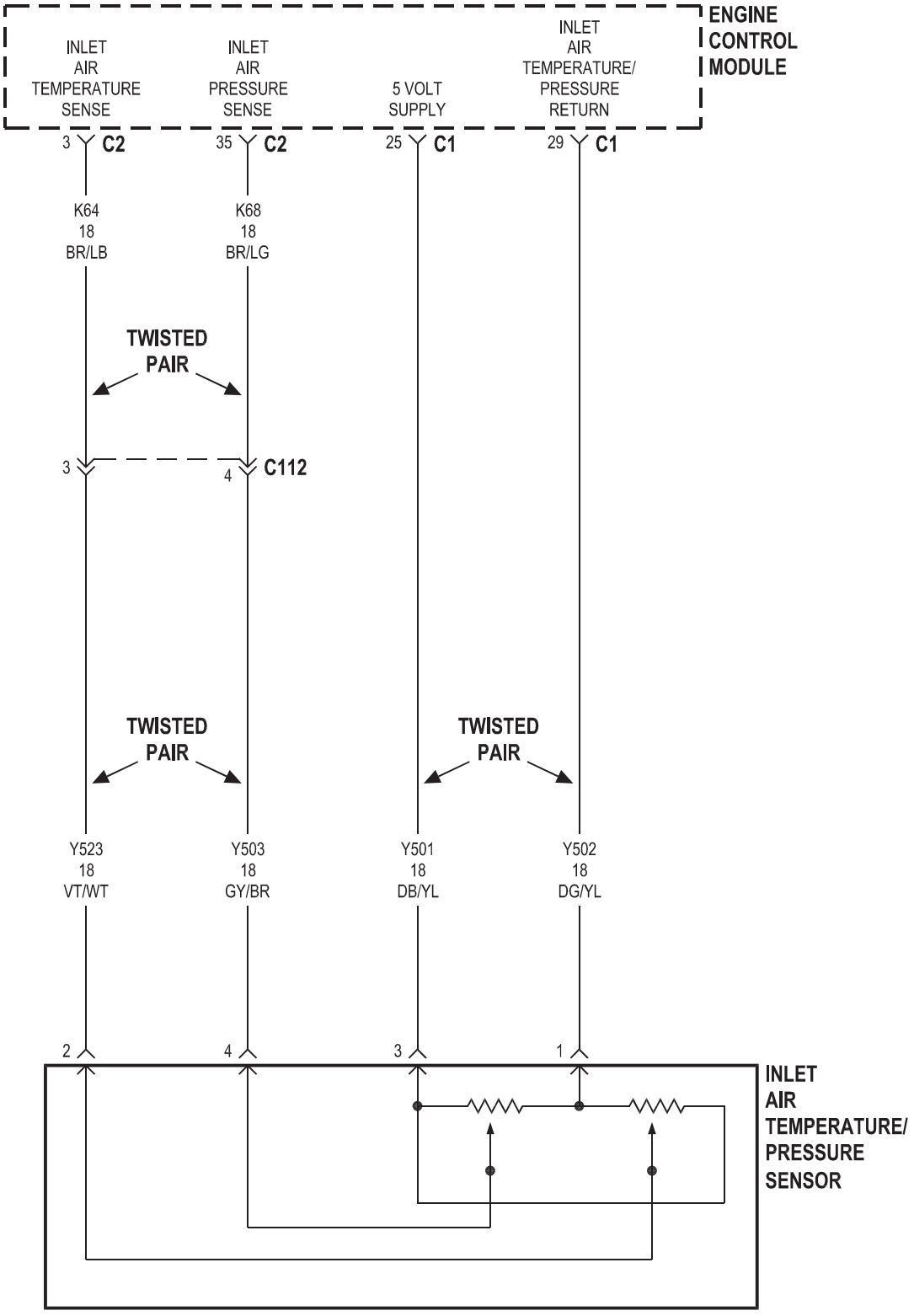

ENGINE CONTROL MODULE
FUEL INJECTOR NO. 2 DRIVER
40
C1
FUEL INJECTOR NO. 2 DRIVER
36
C1
FROM
S159
(8W-30-67)
DG
K13
16
TN
K14
16
RD/WT
DA
TO
S170
(8W-30-69)
S158
S173
K13
14
TN
K91
14
TN/RD
K14
14
RD/WT
K92
14
TN/BK
TWISTED PAIR
TWISTED PAIR
4
3
2
1
FUEL INJECTOR PACK NO. 2

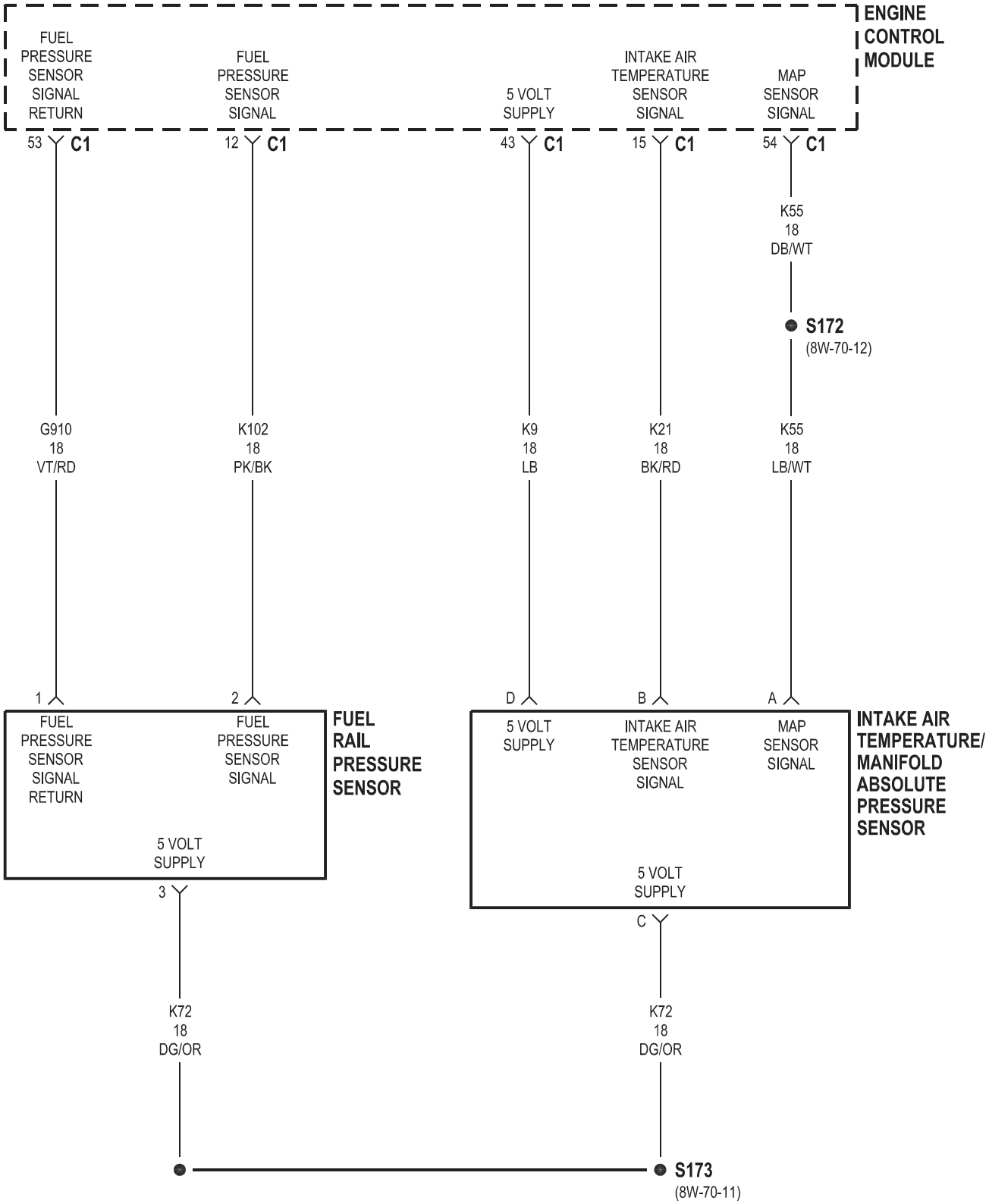

ENGINE CONTROL MODULE
FUEL INJECTOR NO. 6 DRIVER
COIL ON PLUG DRIVER NO. 2
FUEL INJECTOR NO. 5 DRIVER
46 C1
57 C1
56 C1
FROM FUEL INJECTOR PACK NO. 2
(8W-30-68)
DA
K58 16 BR/DB
K92 16 TN/PK
K92 14 TN/PK
K38 16 GY
S175
S170
S174
K58 14 BR/DB
K92 14 TN/PK
K92 14 TN/PK
K38 14 GY
TWISTED PAIR
TWISTED PAIR
2
1
3
4
FUEL INJECTOR PACK NO. 3

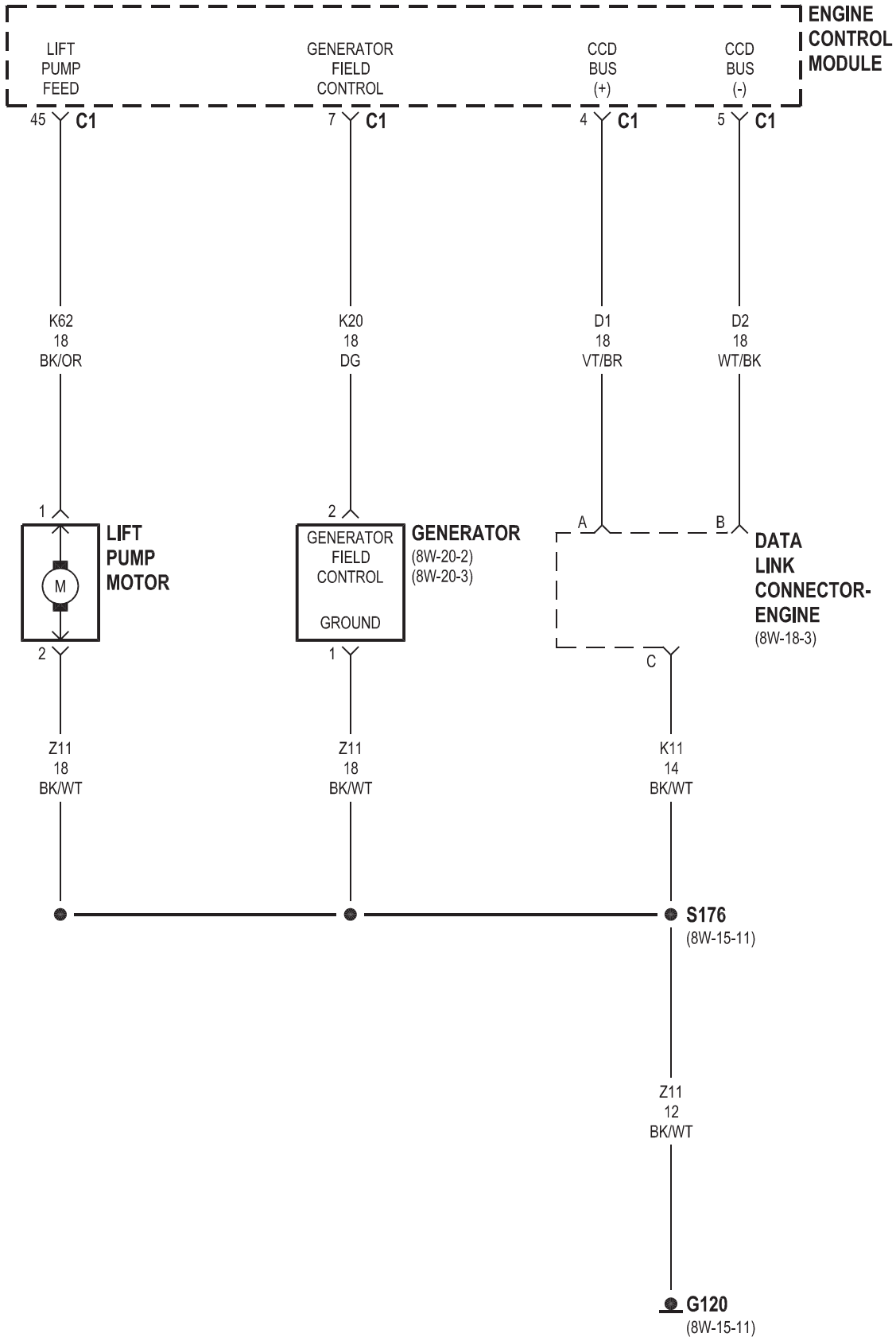

ENGINE CONTROL MODULE
MAP SENSOR SIGNAL
A/C PRESSURE SIGNAL
MASS AIR FLOW SENSOR SIGNAL
54 C1
26 C1
32 C1
K72 18 DG/OR
K55 18 LB/WT
S173
(8W-30-68)
(8W-70-11)
S172
(8W-70-12)
K72 18 DG/OR
K72 18 DG/OR
C18 18 DB
K55 18 LB/WT
K55 18 LB/WT
2
3
1
DE
DC
TO CAMSHAFT POSITION SENSOR
(8W-30-71)
A/C PRESSURE TRANSDUCER
(8W-42-9)
TO CAMSHAFT POSITION SENSOR
(8W-30-71)

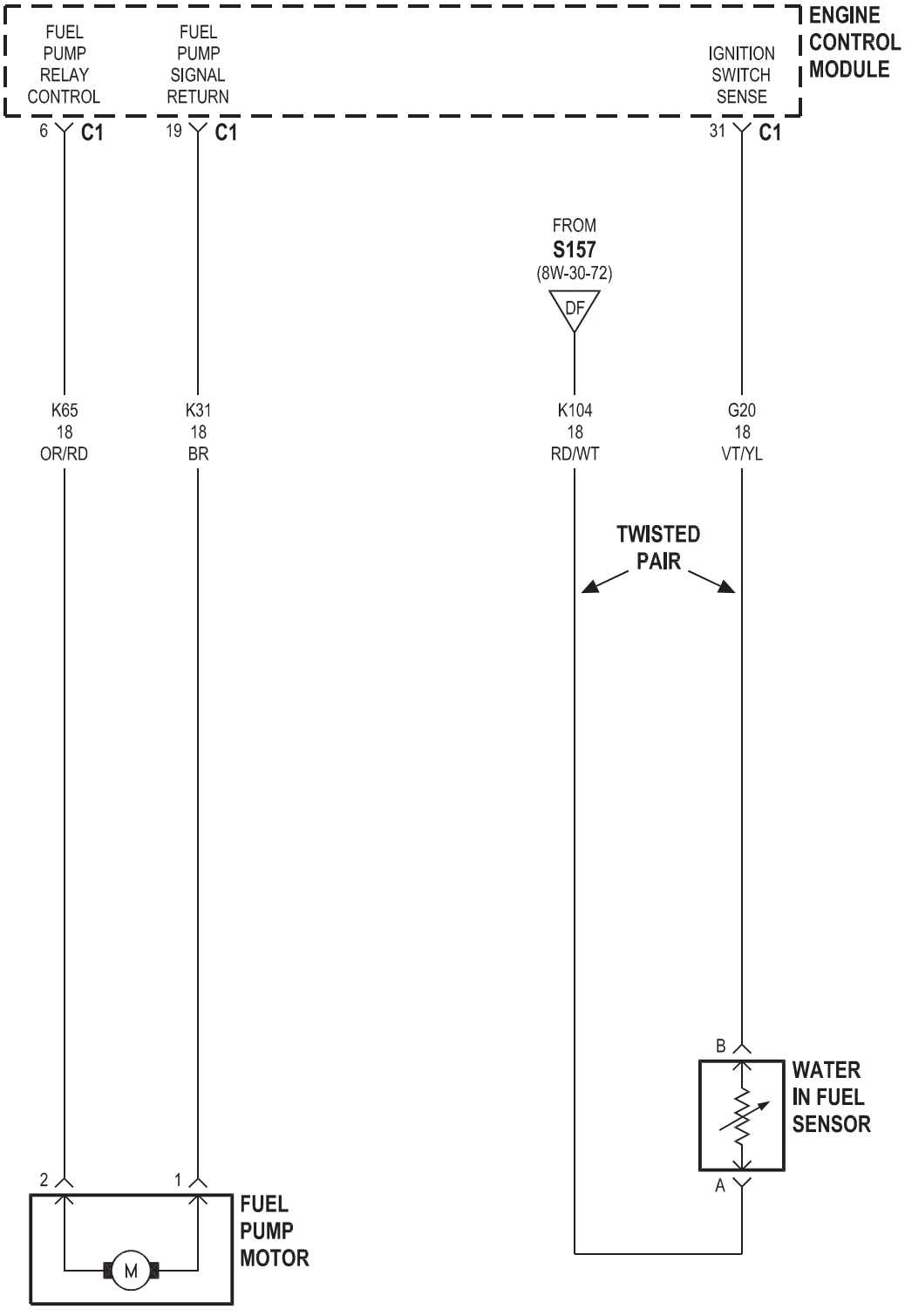

ENGINE CONTROL MODULE
HALL EFFECT
5 VOLT SUPPLY
ACCELERATOR PEDAL POSITION SENSOR GROUND NO. 1
SPEEDOMETER SIGNAL
24 C1
27 C1
52 C1
22 C1
FROM S172 (8W-30-70)
DC
FROM S173 (8W-30-70)
DE
K55 18 LB/WT
K72 18 DG/OR
K53 18 DB/RD
K6 18 VT/WT
K167 18 BR/YL
G17 18 WT/TN
TWISTED PAIR
TWISTED PAIR
TWISTED PAIR
TWISTED PAIR
2
1
3
1
2
3
MASS AIR FLOW SENSOR SIGNAL
5 VOLT SUPPLY
HALL EFFECT
CAMSHAFT POSITION SENSOR
5 VOLT SUPPLY
ACCELERATOR PEDAL POSITION SENSOR GROUND NO. 1
SPEEDOMETER SIGNAL
VEHICLE SPEED SENSOR

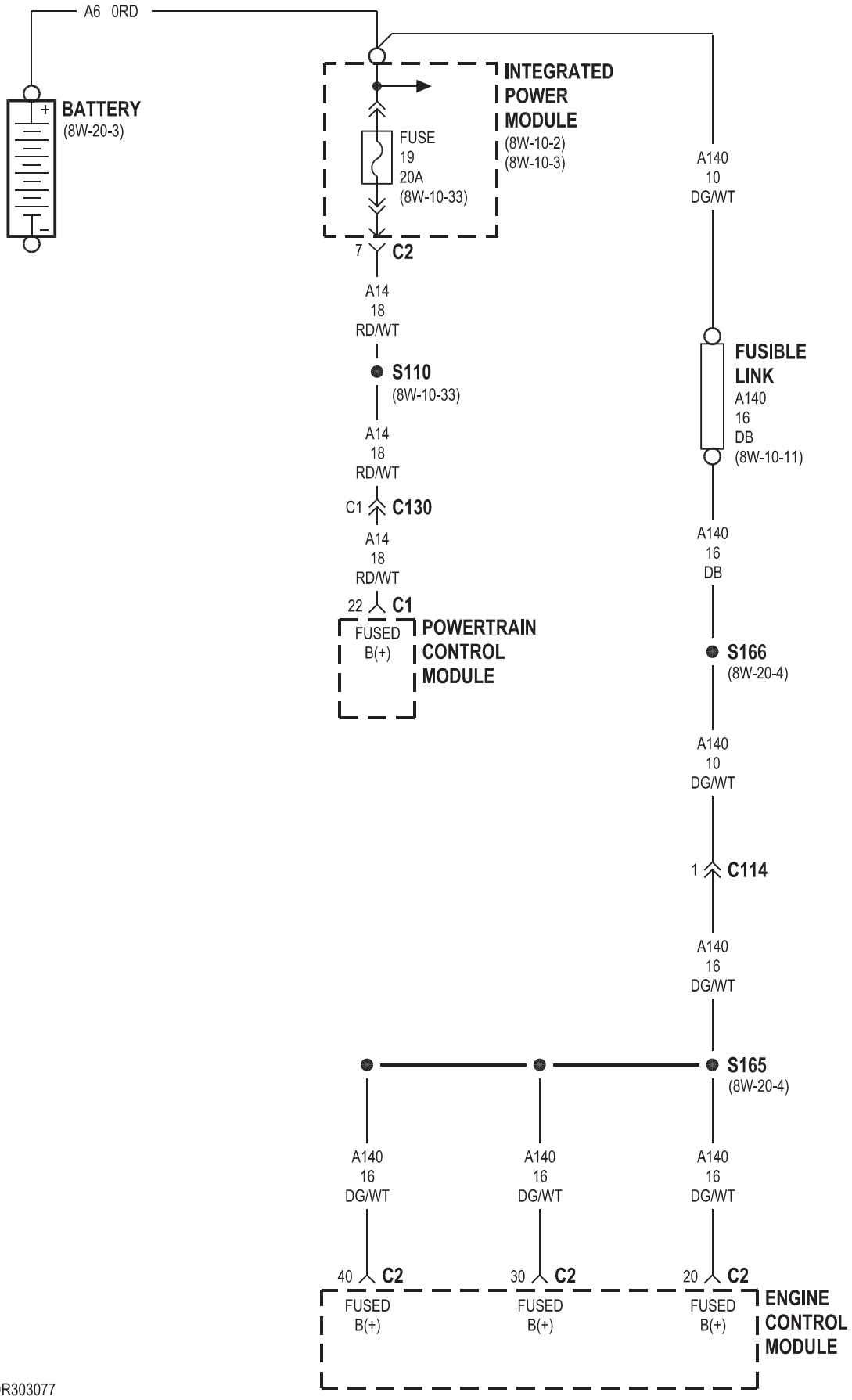

ENGINE CONTROL MODULE
ENGINE COOLANT TEMPERATURE SENSOR
SENSOR GROUND
THROTTLE POSITION SENSOR RETURN
THROTTLE POSITION SIGNAL
SUPPLY VOLTAGE
SENSOR GROUND
APPS IDLE SWITCH
17 C1
23 C1
44 C1
14 C1
33 C1
42 C1
34 C1
K2 18 TN/BK
2
ENGINE COOLANT TEMPERATURE SENSOR
1
K104 18 RD/WT
K104 18 RD/WT
S157
K104 18 RD/WT
K104 18 RD/WT
K101 18 WT
K232 18 YL
K56 18 LG/OR
K900 18 DB/DG
K49 18 VT/BK
1
2
3
4
5
6
DF
TO WATER IN FUEL SENSOR (8W-30-76)
SENSOR GROUND
THROTTLE POSITION SENSOR RETURN
THROTTLE POSITION SIGNAL
SUPPLY VOLTAGE
SENSOR GROUND
APPS IDLE SWITCH
THROTTLE POSITION SWITCH

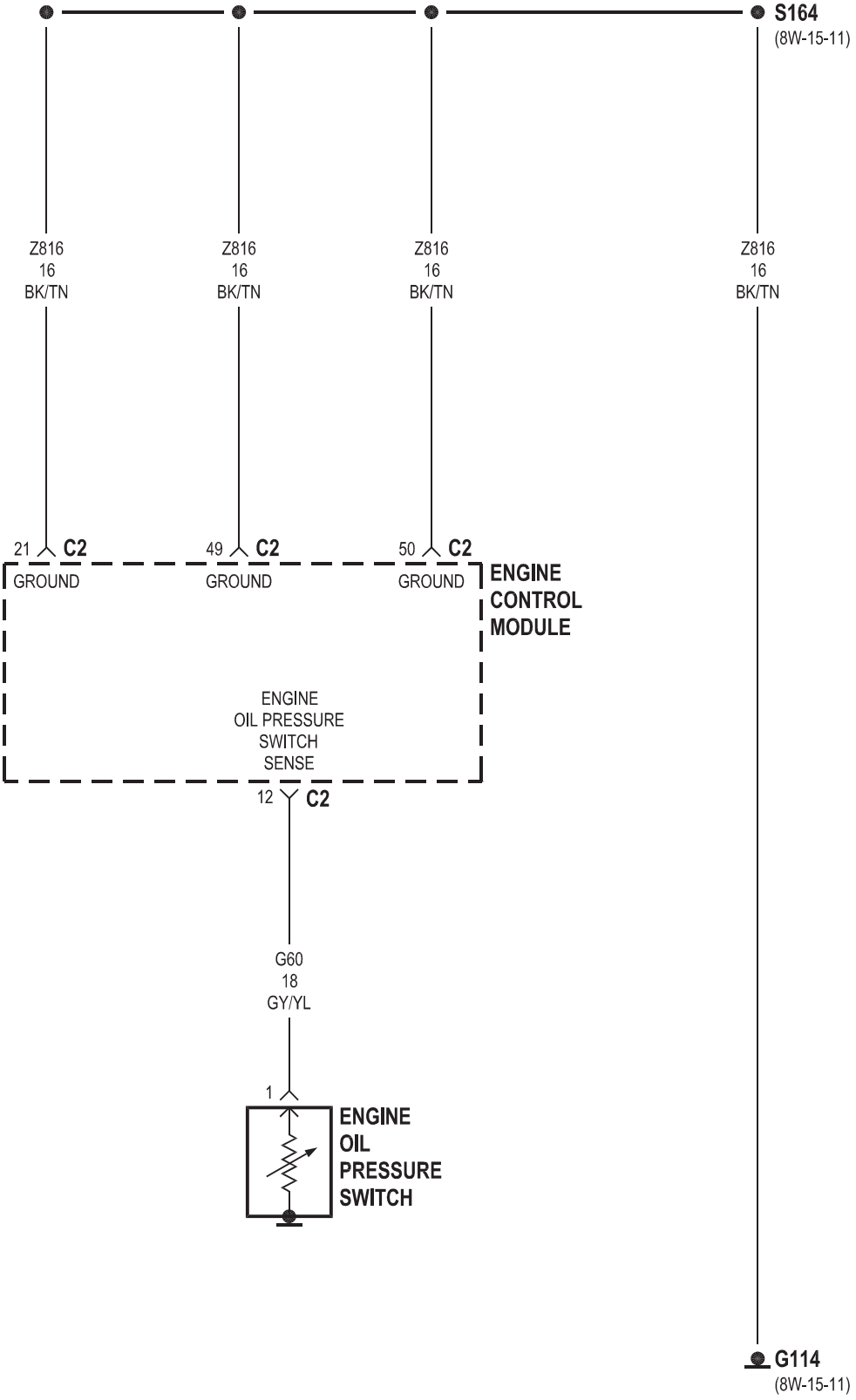

ENGINE CONTROL MODULE
INLET AIR TEMPERATURE SENSE
INLET AIR PRESSURE SENSE
5 VOLT SUPPLY
INLET AIR TEMPERATURE/ PRESSURE RETURN
3 C2
35 C2
25 C1
29 C1
K64 18 BR/LB
K68 18 BR/LG
TWISTED PAIR
3
4 C112
TWISTED PAIR
TWISTED PAIR
Y523 18 VT/WT
Y503 18 GY/BR
Y501 18 DB/YL
Y502 18 DG/YL
2
4
3
1
INLET AIR TEMPERATURE/ PRESSURE SENSOR

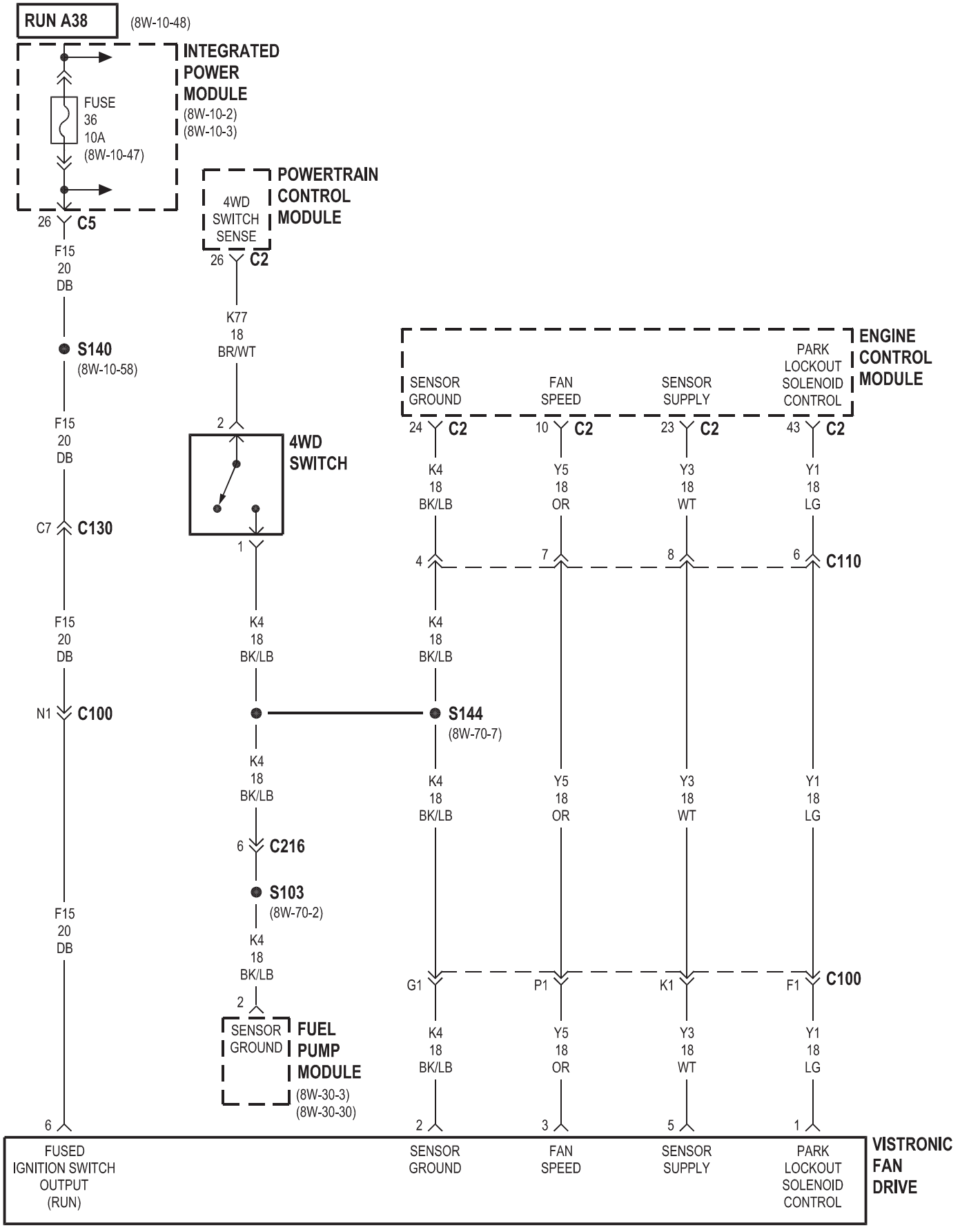

ENGINE CONTROL MODULE
FUEL PRESSURE SENSOR SIGNAL RETURN
FUEL PRESSURE SENSOR SIGNAL
5 VOLT SUPPLY
INTAKE AIR TEMPERATURE SENSOR SIGNAL
MAP SENSOR SIGNAL
53 C1
12 C1
43 C1
15 C1
54 C1
K55 18 DB/WT
S172 (8W-70-12)
G910 18 VT/RD
K102 18 PK/BK
K9 18 LB
K21 18 BK/RD
K55 18 LB/WT
1
2
D
B
A
FUEL PRESSURE SENSOR SIGNAL RETURN
FUEL PRESSURE SENSOR SIGNAL
FUEL RAIL PRESSURE SENSOR
5 VOLT SUPPLY
INTAKE AIR TEMPERATURE SENSOR SIGNAL
MAP SENSOR SIGNAL
INTAKE AIR TEMPERATURE/ MANIFOLD ABSOLUTE PRESSURE SENSOR
5 VOLT SUPPLY
3
C
K72 18 DG/OR
K72 18 DG/OR
S173 (8W-70-11)

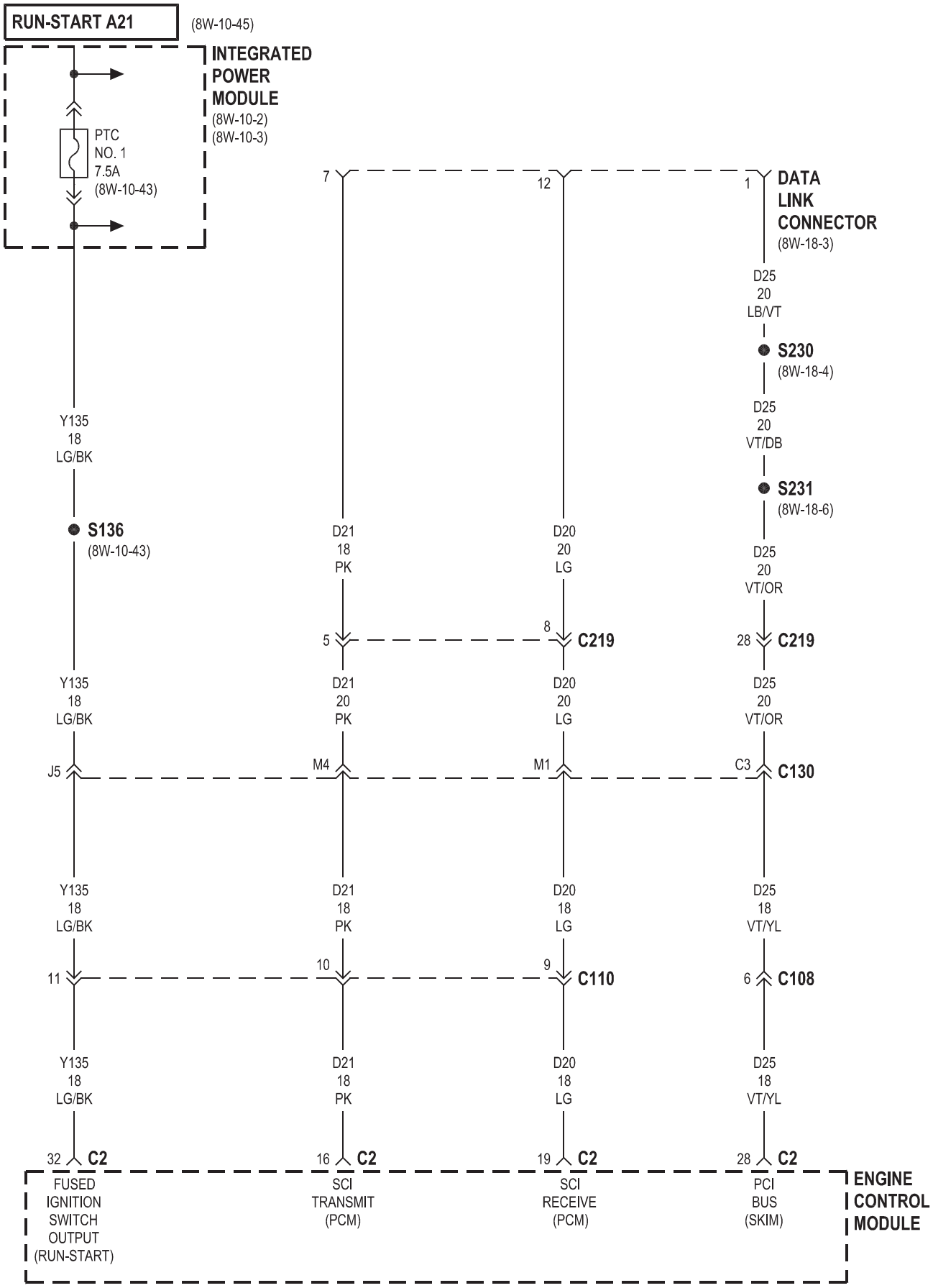

ENGINE CONTROL MODULE
LIFT PUMP FEED
GENERATOR FIELD CONTROL
CCD BUS (+)
CCD BUS (-)
45 C1
7 C1
4 C1
5 C1
K62 18 BK/OR
K20 18 DG
D1 18 VT/BR
D2 18 WT/BK
1
2
A
B
M
LIFT PUMP MOTOR
GENERATOR FIELD CONTROL
GROUND
GENERATOR
(8W-20-2)
(8W-20-3)
DATA LINK CONNECTOR-ENGINE
(8W-18-3)
C
Z11 18 BK/WT
Z11 18 BK/WT
K11 14 BK/WT
S176
(8W-15-11)
Z11 12 BK/WT
G120
(8W-15-11)

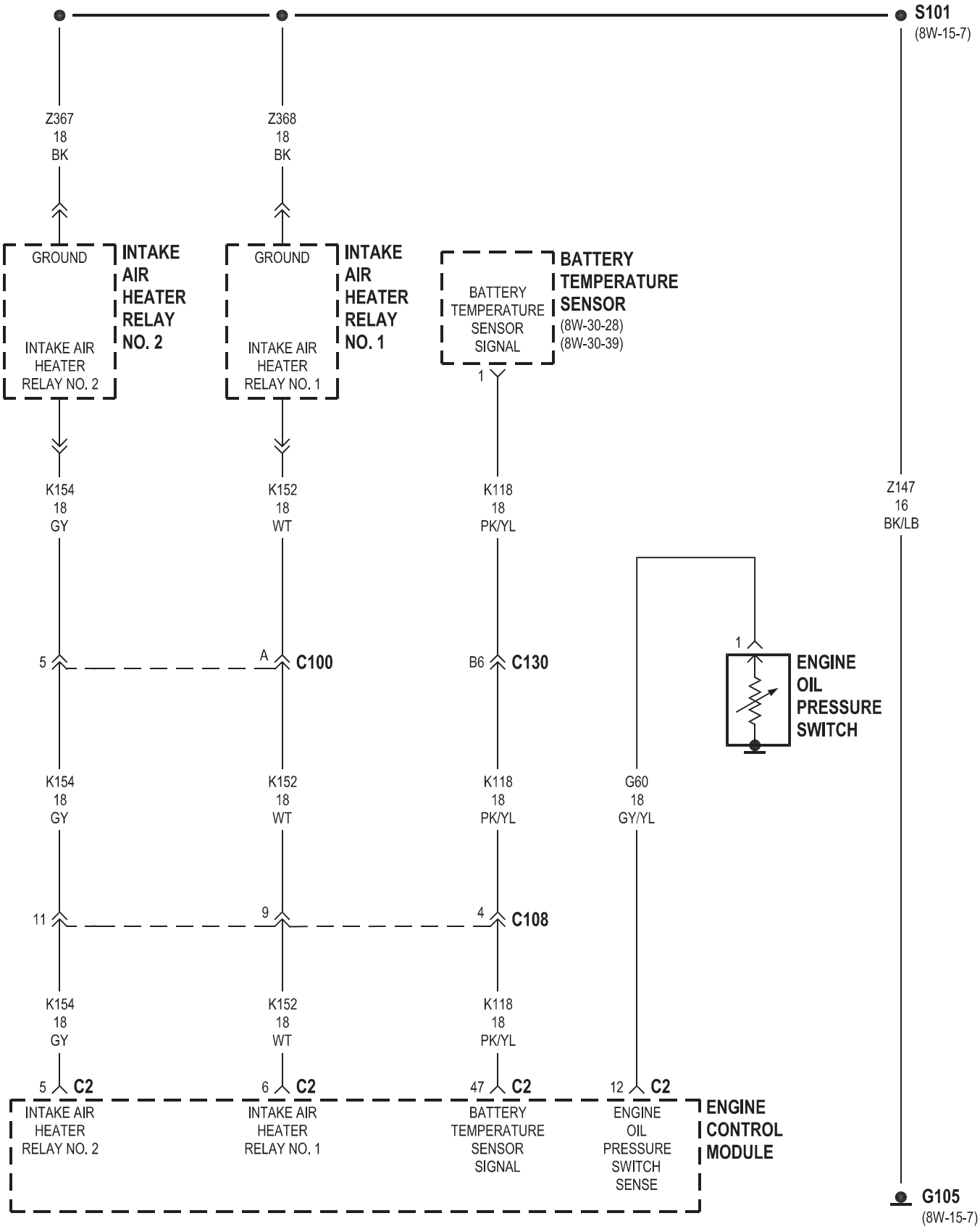

ENGINE CONTROL MODULE
FUEL PUMP RELAY CONTROL
FUEL PUMP SIGNAL RETURN
IGNITION SWITCH SENSE
6 C1
19 C1
31 C1
FROM S157 (8W-30-72)
DF
K65 18 OR/RD
K31 18 BR
K104 18 RD/WT
G20 18 VT/YL
TWISTED PAIR
B
A
WATER IN FUEL SENSOR
2
1
M
FUEL PUMP MOTOR

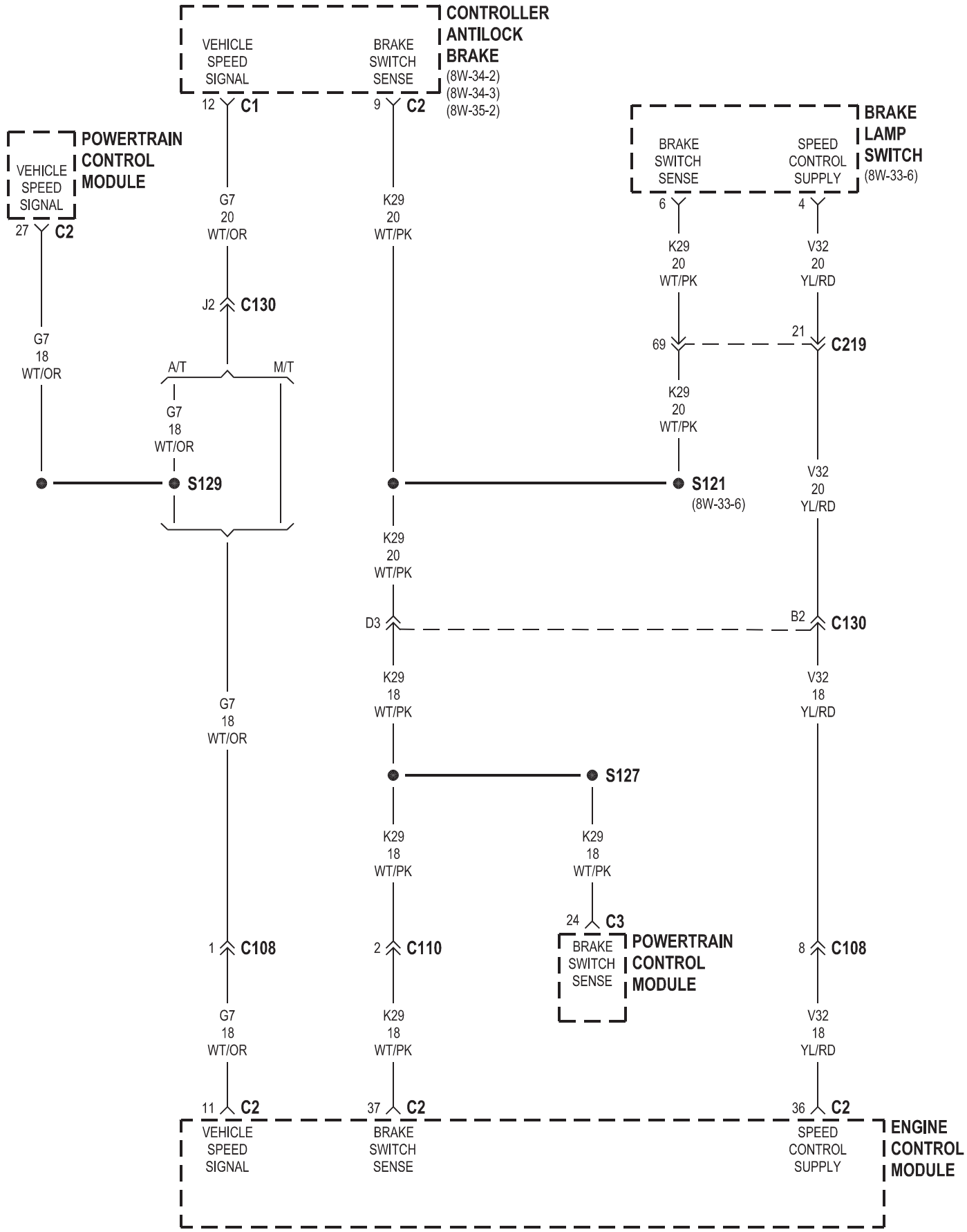

A6 0RD
BATTERY
(8W-20-3)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 19 20A
(8W-10-33)
7 C2
A14 18 RD/WT
S110
(8W-10-33)
A14 18 RD/WT
C1 C130
A14 18 RD/WT
22 C1
FUSED B(+)
POWERTRAIN CONTROL MODULE
A140 10 DG/WT
FUSIBLE LINK
A140 16 DB
(8W-10-11)
A140 16 DB
S166
(8W-20-4)
A140 10 DG/WT
1 C114
A140 16 DG/WT
S165
(8W-20-4)
A140 16 DG/WT
A140 16 DG/WT
A140 16 DG/WT
40 C2
30 C2
20 C2
FUSED B(+)
FUSED B(+)
FUSED B(+)
ENGINE CONTROL MODULE

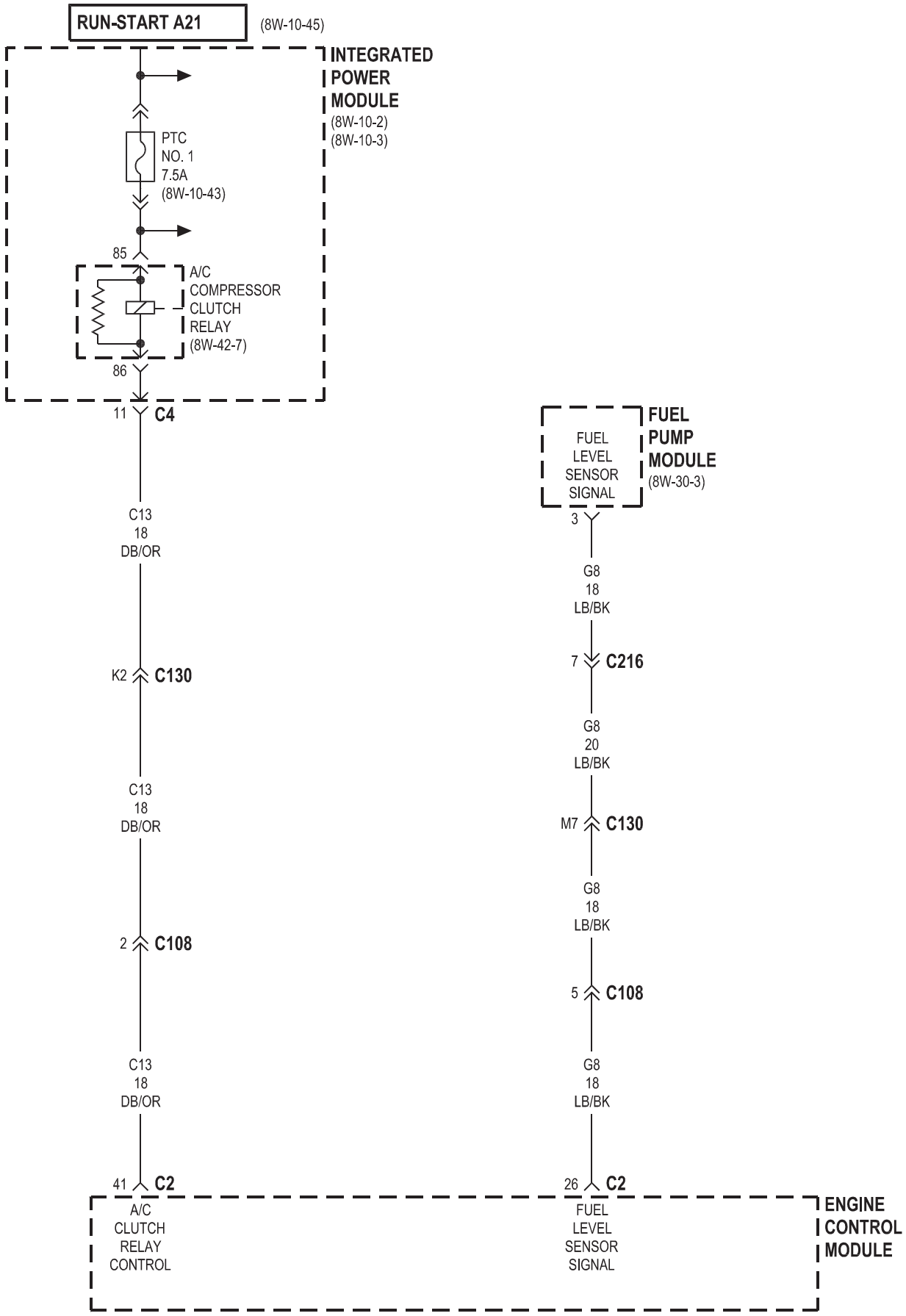

S164
(8W-15-11)
Z816
16
BK/TN
Z816
16
BK/TN
Z816
16
BK/TN
Z816
16
BK/TN
21 C2
GROUND
49 C2
GROUND
50 C2
GROUND
ENGINE
CONTROL
MODULE
ENGINE
OIL PRESSURE
SWITCH
SENSE
12 C2
G60
18
GY/YL
1
ENGINE
OIL
PRESSURE
SWITCH
G114
(8W-15-11)

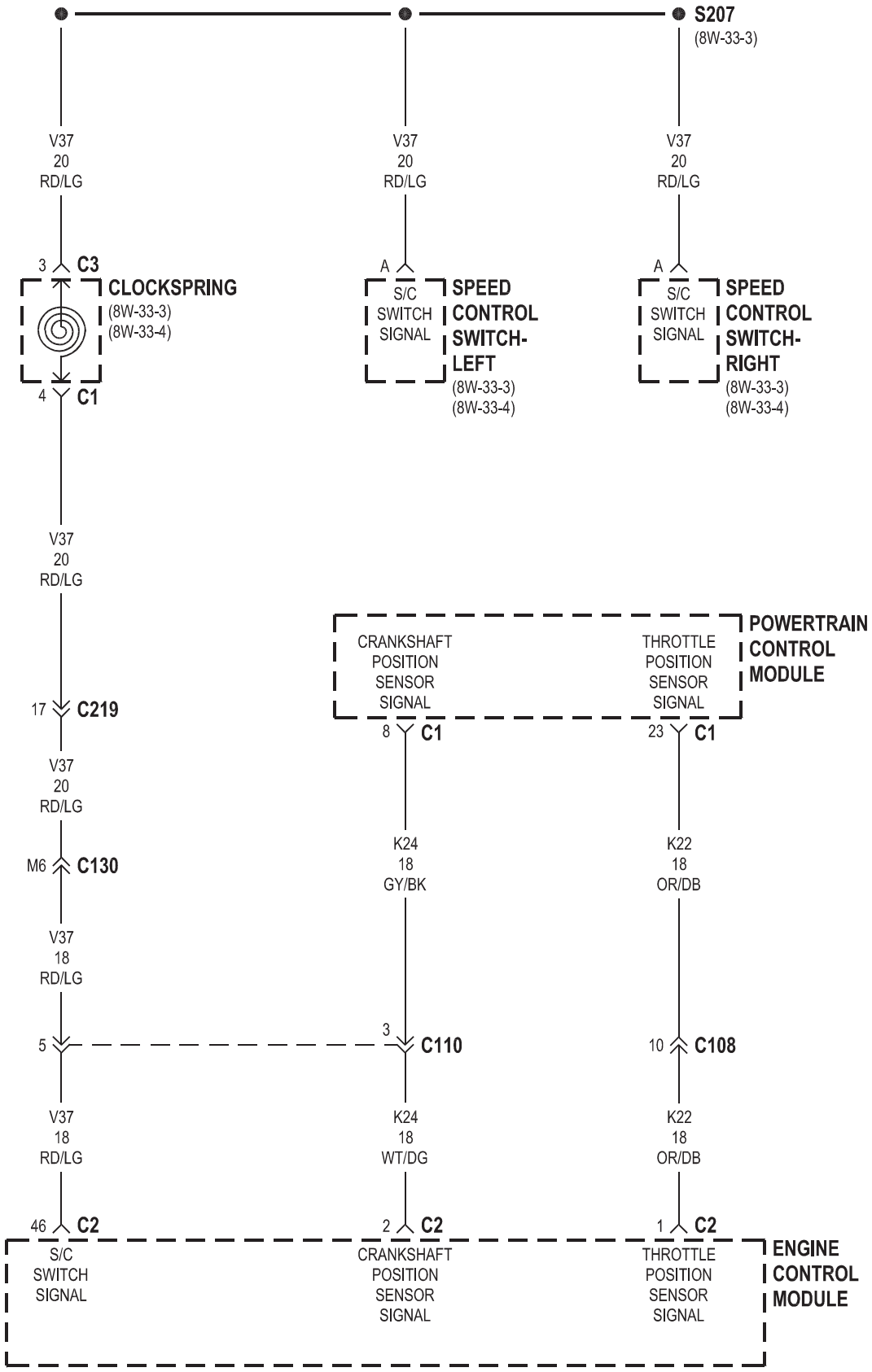

RUN A38
(8W-10-48)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 36 10A
(8W-10-47)
POWERTRAIN CONTROL MODULE
4WD SWITCH SENSE
26 C2
26 C5
F15 20 DB
K77 18 BR/WT
S140
(8W-10-58)
2
4WD SWITCH
1
ENGINE CONTROL MODULE
SENSOR GROUND
FAN SPEED
SENSOR SUPPLY
PARK LOCKOUT SOLENOID CONTROL
24 C2
10 C2
23 C2
43 C2
K4 18 BK/LB
Y5 18 OR
Y3 18 WT
Y1 18 LG
4
7
8
6 C110
C7 C130
N1 C100
S144
(8W-70-7)
6 C216
S103
(8W-70-2)
2
SENSOR GROUND
FUEL PUMP MODULE
(8W-30-3)
(8W-30-30)
G1
P1
K1
F1 C100
6
2
3
5
1
FUSED IGNITION SWITCH OUTPUT (RUN)
SENSOR GROUND
FAN SPEED
SENSOR SUPPLY
PARK LOCKOUT SOLENOID CONTROL
VISTRONIC FAN DRIVE

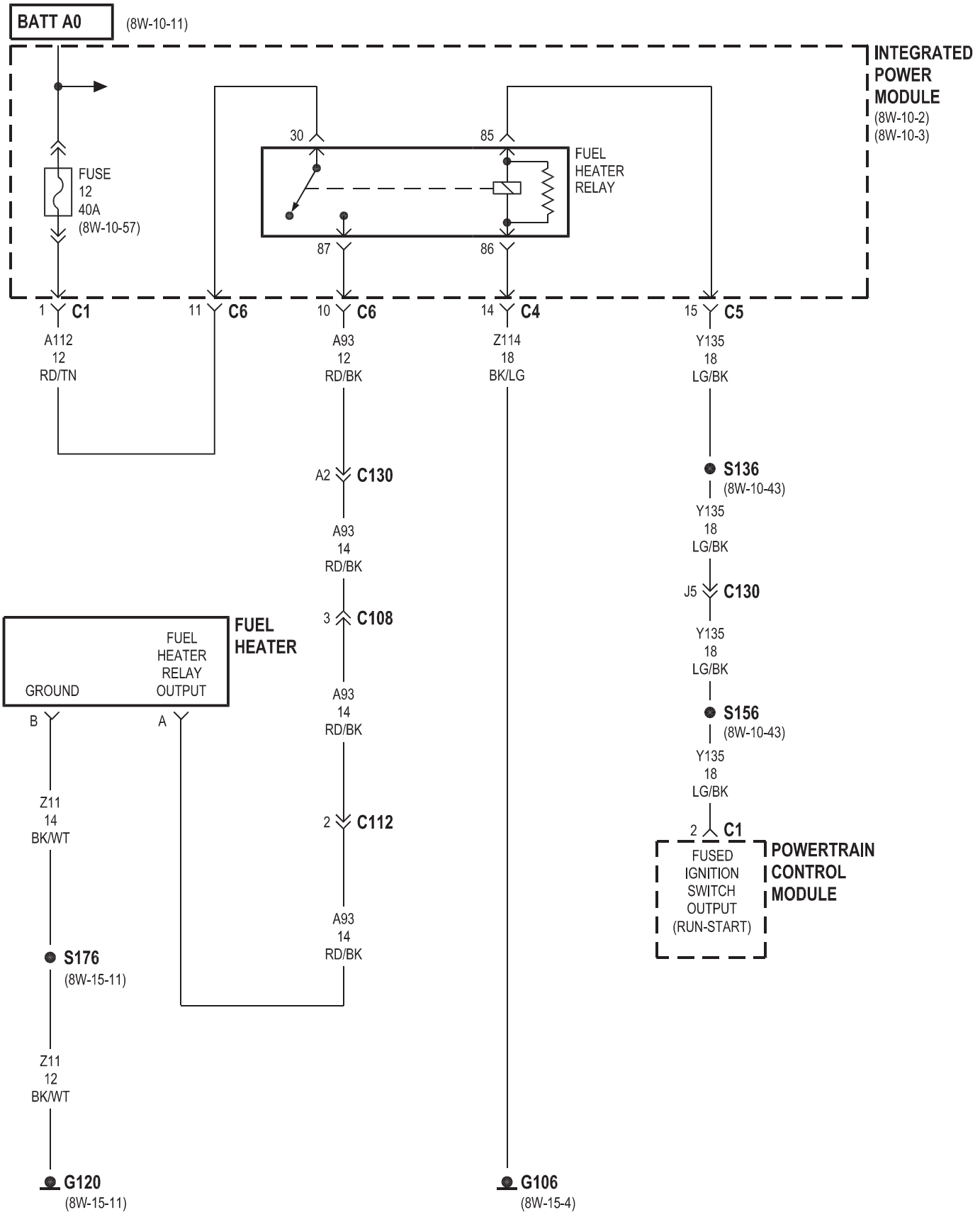

RUN-START A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 1 7.5A
(8W-10-43)
7
12
1
DATA LINK CONNECTOR
(8W-18-3)
D25 20 LB/VT
S230
(8W-18-4)
D25 20 VT/DB
S231
(8W-18-6)
D25 20 VT/OR
Y135 18 LG/BK
S136
(8W-10-43)
D21 18 PK
D20 20 LG
5
8
C219
28
C219
Y135 18 LG/BK
D21 20 PK
D20 20 LG
D25 20 VT/OR
J5
M4
M1
C3
C130
Y135 18 LG/BK
D21 18 PK
D20 18 LG
D25 18 VT/YL
11
10
9
C110
6
C108
Y135 18 LG/BK
D21 18 PK
D20 18 LG
D25 18 VT/YL
32
C2
16
C2
19
C2
28
C2
FUSED IGNITION SWITCH OUTPUT (RUN-START)
SCI TRANSMIT (PCM)
SCI RECEIVE (PCM)
PCI BUS (SKIM)
ENGINE CONTROL MODULE

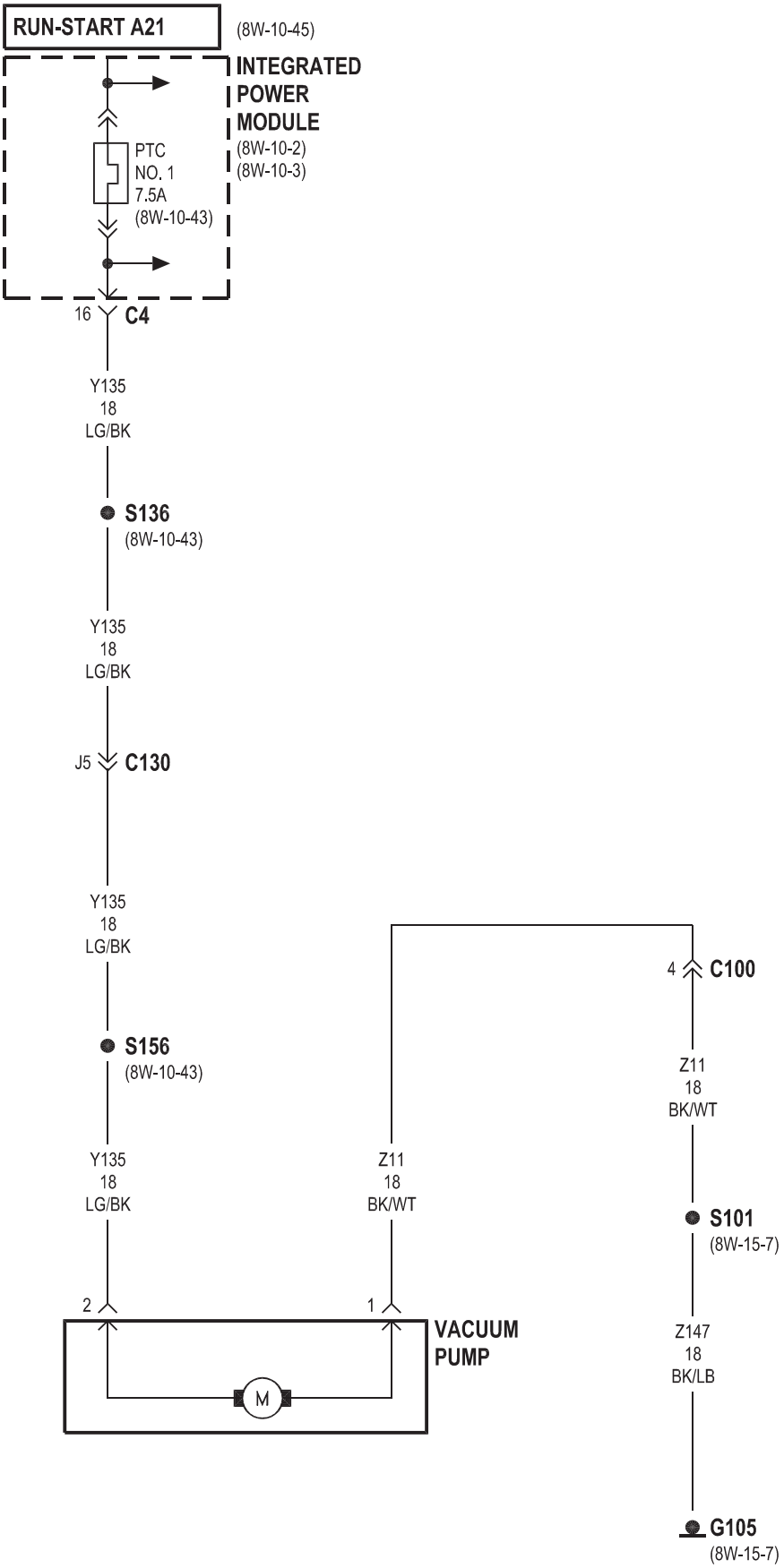

S101
(8W-15-7)
Z367
18
BK
Z368
18
BK
GROUND
INTAKE AIR
HEATER
RELAY NO. 2
INTAKE
AIR
HEATER
RELAY
NO. 2
GROUND
INTAKE AIR
HEATER
RELAY NO. 1
INTAKE
AIR
HEATER
RELAY
NO. 1
BATTERY
TEMPERATURE
SENSOR
SIGNAL
BATTERY
TEMPERATURE
SENSOR
(8W-30-28)
(8W-30-39)
1
K154
18
GY
K152
18
WT
K118
18
PK/YL
Z147
16
BK/LB
5
A
C100
B6
C130
1
ENGINE
OIL
PRESSURE
SWITCH
K154
18
GY
K152
18
WT
K118
18
PK/YL
G60
18
GY/YL
11
9
4
C108
K154
18
GY
K152
18
WT
K118
18
PK/YL
5
C2
6
C2
47
C2
12
C2
INTAKE AIR
HEATER
RELAY NO. 2
INTAKE AIR
HEATER
RELAY NO. 1
BATTERY
TEMPERATURE
SENSOR
SIGNAL
ENGINE
OIL
PRESSURE
SWITCH
SENSE
ENGINE
CONTROL
MODULE
G105
(8W-15-7)

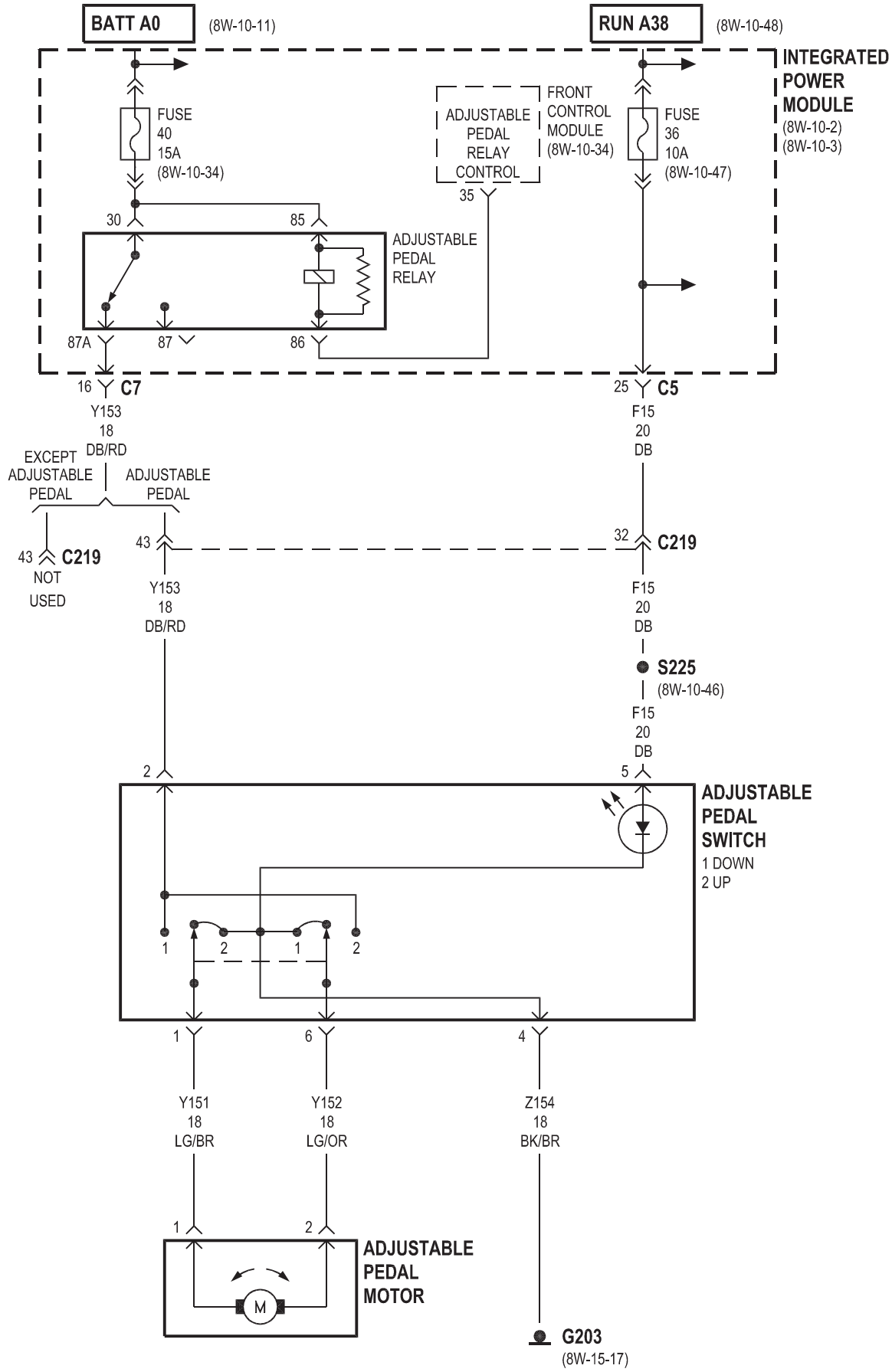

CONTROLLER ANTILOCK BRAKE
(8W-34-2)
(8W-34-3)
(8W-35-2)
VEHICLE SPEED SIGNAL
BRAKE SWITCH SENSE
12 C1
9 C2
POWERTRAIN CONTROL MODULE
VEHICLE SPEED SIGNAL
27 C2
BRAKE LAMP SWITCH
(8W-33-6)
BRAKE SWITCH SENSE
SPEED CONTROL SUPPLY
6
4
G7 20 WT/OR
K29 20 WT/PK
K29 20 WT/PK
V32 20 YL/RD
J2 C130
69
21 C219
G7 18 WT/OR
A/T
M/T
G7 18 WT/OR
K29 20 WT/PK
S129
S121
(8W-33-6)
V32 20 YL/RD
K29 20 WT/PK
D3
B2 C130
G7 18 WT/OR
K29 18 WT/PK
V32 18 YL/RD
S127
K29 18 WT/PK
K29 18 WT/PK
24 C3
BRAKE SWITCH SENSE
POWERTRAIN CONTROL MODULE
1 C108
2 C110
8 C108
G7 18 WT/OR
K29 18 WT/PK
V32 18 YL/RD
11 C2
37 C2
36 C2
VEHICLE SPEED SIGNAL
BRAKE SWITCH SENSE
SPEED CONTROL SUPPLY
ENGINE CONTROL MODULE

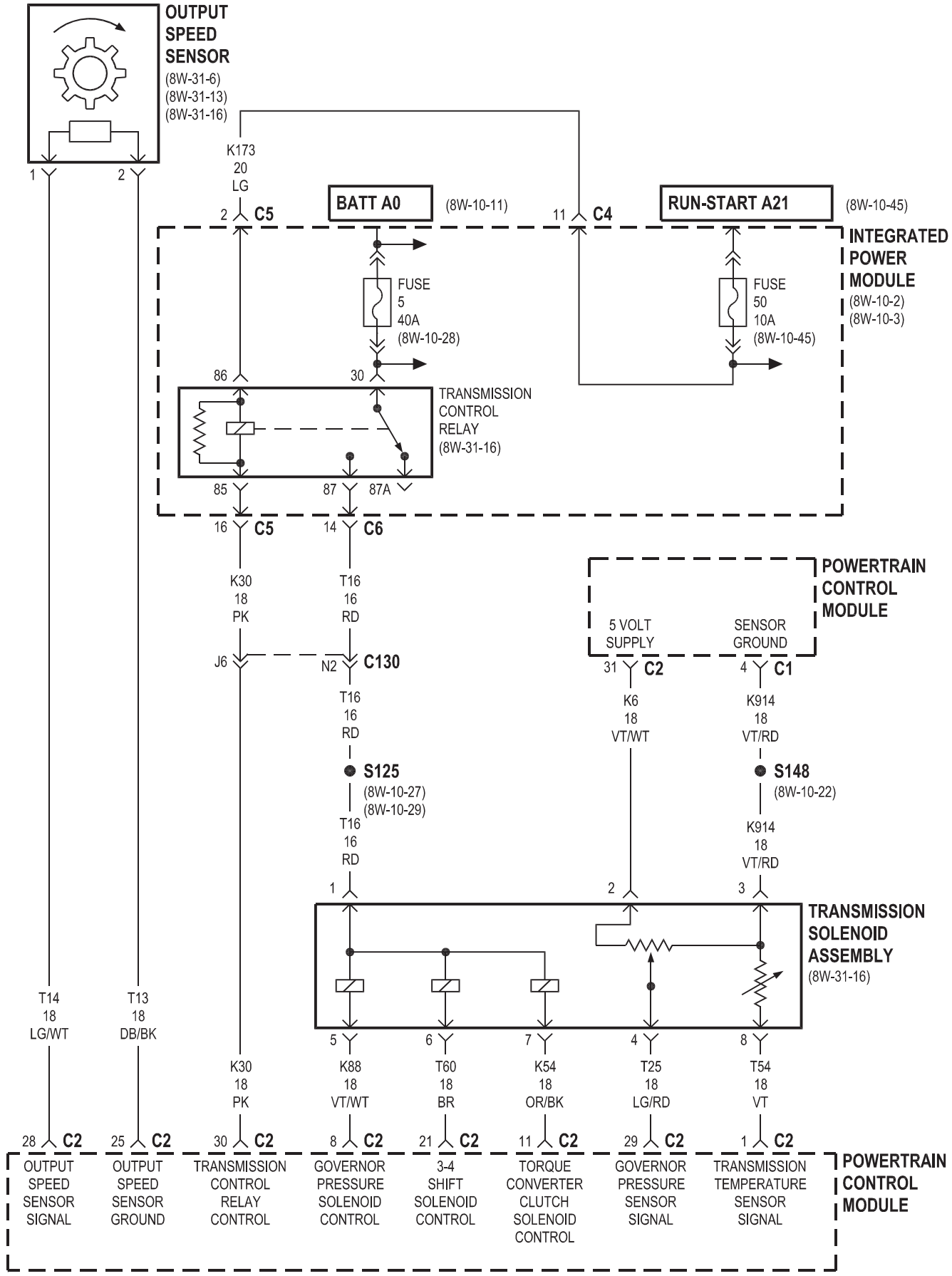

RUN-START A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 1 7.5A
(8W-10-43)
85
A/C COMPRESSOR CLUTCH RELAY
(8W-42-7)
86
11 C4
C13 18 DB/OR
K2 C130
C13 18 DB/OR
2 C108
C13 18 DB/OR
41 C2
A/C CLUTCH RELAY CONTROL
FUEL LEVEL SENSOR SIGNAL
FUEL PUMP MODULE
(8W-30-3)
3
G8 18 LB/BK
7 C216
G8 20 LB/BK
M7 C130
G8 18 LB/BK
5 C108
G8 18 LB/BK
26 C2
FUEL LEVEL SENSOR SIGNAL
ENGINE CONTROL MODULE

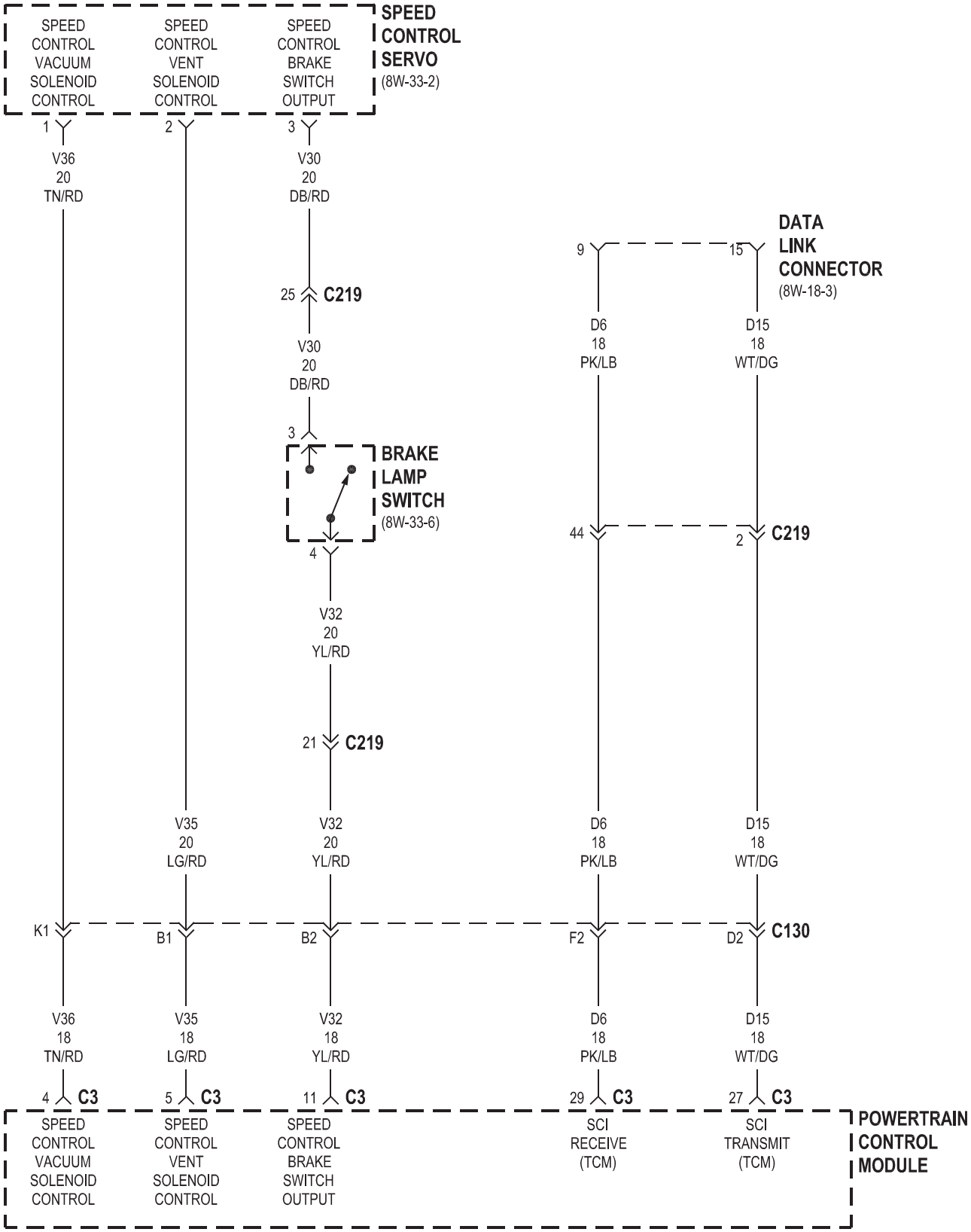

S207
(8W-33-3)
V37
20
RD/LG
V37
20
RD/LG
V37
20
RD/LG
3
C3
CLOCKSPRING
(8W-33-3)
(8W-33-4)
4
C1
A
S/C
SWITCH
SIGNAL
SPEED
CONTROL
SWITCH-
LEFT
(8W-33-3)
(8W-33-4)
A
S/C
SWITCH
SIGNAL
SPEED
CONTROL
SWITCH-
RIGHT
(8W-33-3)
(8W-33-4)
V37
20
RD/LG
CRANKSHAFT
POSITION
SENSOR
SIGNAL
THROTTLE
POSITION
SENSOR
SIGNAL
POWERTRAIN
CONTROL
MODULE
17
C219
8
C1
23
C1
V37
20
RD/LG
K24
18
GY/BK
K22
18
OR/DB
M6
C130
V37
18
RD/LG
3
C110
5
10
C108
V37
18
RD/LG
K24
18
WT/DG
K22
18
OR/DB
46
C2
2
C2
1
C2
S/C
SWITCH
SIGNAL
CRANKSHAFT
POSITION
SENSOR
SIGNAL
THROTTLE
POSITION
SENSOR
SIGNAL
ENGINE
CONTROL
MODULE

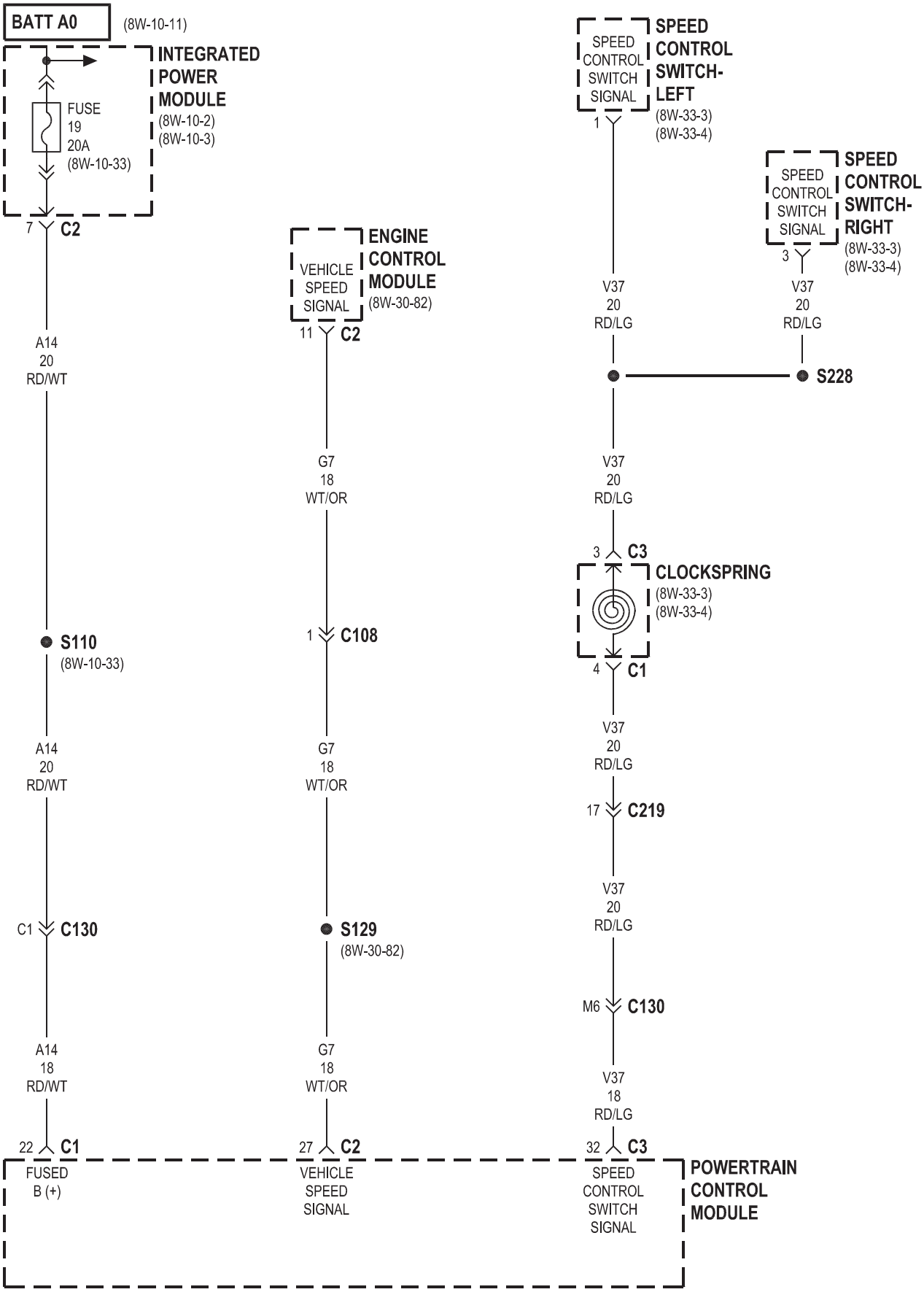

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE
12
40A
(8W-10-57)
30
85
87
86
FUEL HEATER RELAY
1 C1
11 C6
10 C6
14 C4
15 C5
A112
12
RD/TN
A93
12
RD/BK
Z114
18
BK/LG
Y135
18
LG/BK
A2 C130
A93
14
RD/BK
3 C108
A93
14
RD/BK
2 C112
A93
14
RD/BK
S136
(8W-10-43)
Y135
18
LG/BK
J5 C130
Y135
18
LG/BK
S156
(8W-10-43)
Y135
18
LG/BK
2 C1
FUSED IGNITION SWITCH OUTPUT (RUN-START)
POWERTRAIN CONTROL MODULE
FUEL HEATER
FUEL HEATER RELAY OUTPUT
GROUND
B
A
Z11
14
BK/WT
S176
(8W-15-11)
Z11
12
BK/WT
G120
(8W-15-11)
G106
(8W-15-4)

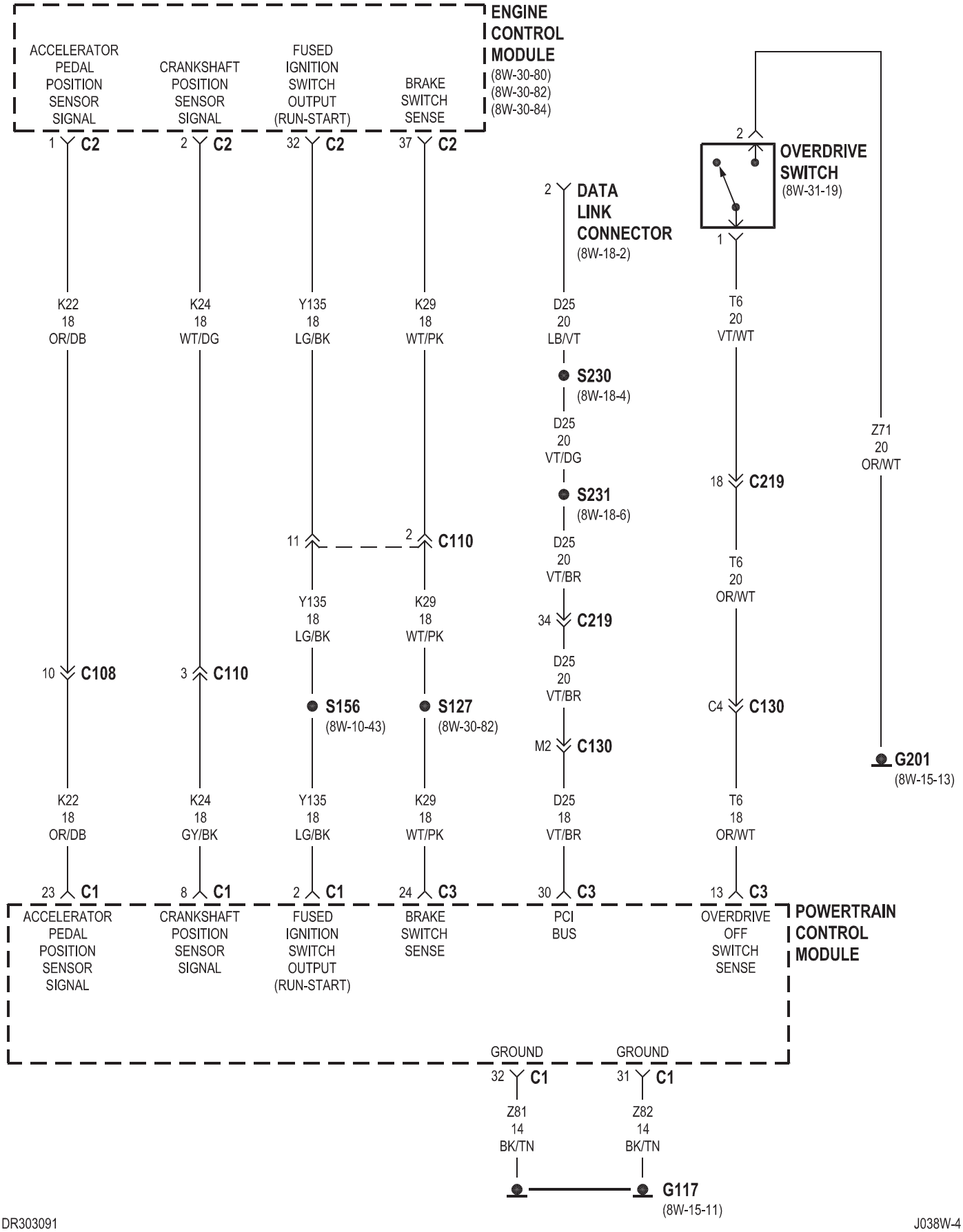

RUN-START A21
(8W-10-45)
INTEGRATED
POWER
MODULE
(8W-10-2)
(8W-10-3)
PTC
NO. 1
7.5A
(8W-10-43)
16
C4
Y135
18
LG/BK
S136
(8W-10-43)
Y135
18
LG/BK
J5
C130
Y135
18
LG/BK
S156
(8W-10-43)
Y135
18
LG/BK
2
Z11
18
BK/WT
1
VACUUM
PUMP
M
4
C100
Z11
18
BK/WT
S101
(8W-15-7)
Z147
18
BK/LB
G105
(8W-15-7)


BATT A0
(8W-10-11)
RUN A38
(8W-10-48)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 40 15A
(8W-10-34)
ADJUSTABLE PEDAL RELAY CONTROL
FRONT CONTROL MODULE
(8W-10-34)
FUSE 36 10A
(8W-10-47)
35
30
85
ADJUSTABLE PEDAL RELAY
87A
87
86
16 C7
Y153 18 DB/RD
25 C5
F15 20 DB
EXCEPT ADJUSTABLE PEDAL
ADJUSTABLE PEDAL
43 C219
NOT USED
43
Y153 18 DB/RD
32 C219
F15 20 DB
S225
(8W-10-46)
F15 20 DB
2
5
ADJUSTABLE PEDAL SWITCH
1 DOWN
2 UP
1
2
1
2
1
6
4
Y151 18 LG/BR
Y152 18 LG/OR
Z154 18 BK/BR
1
2
M
ADJUSTABLE PEDAL MOTOR
G203
(8W-15-17)


OUTPUT SPEED SENSOR
(8W-31-6)
(8W-31-13)
(8W-31-16)
1
2
K173
20
LG
2 C5
BATT A0
(8W-10-11)
11 C4
RUN-START A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE
5
40A
(8W-10-28)
FUSE
50
10A
(8W-10-45)
86
30
TRANSMISSION CONTROL RELAY
(8W-31-16)
85
87
87A
16 C5
14 C6
K30
18
PK
T16
16
RD
POWERTRAIN CONTROL MODULE
5 VOLT SUPPLY
SENSOR GROUND
J6
N2 C130
31 C2
4 C1
K6
18
VT/WT
K914
18
VT/RD
T16
16
RD
S125
(8W-10-27)
(8W-10-29)
S148
(8W-10-22)
K914
18
VT/RD
1
2
3
TRANSMISSION SOLENOID ASSEMBLY
(8W-31-16)
T14
18
LG/WT
T13
18
DB/BK
5
6
7
4
8
K30
18
PK
K88
18
VT/WT
T60
18
BR
K54
18
OR/BK
T25
18
LG/RD
T54
18
VT
28 C2
25 C2
30 C2
8 C2
21 C2
11 C2
29 C2
1 C2
OUTPUT SPEED SENSOR SIGNAL
OUTPUT SPEED SENSOR GROUND
TRANSMISSION CONTROL RELAY CONTROL
GOVERNOR PRESSURE SOLENOID CONTROL
3-4 SHIFT SOLENOID CONTROL
TORQUE CONVERTER CLUTCH SOLENOID CONTROL
GOVERNOR PRESSURE SENSOR SIGNAL
TRANSMISSION TEMPERATURE SENSOR SIGNAL
POWERTRAIN CONTROL MODULE

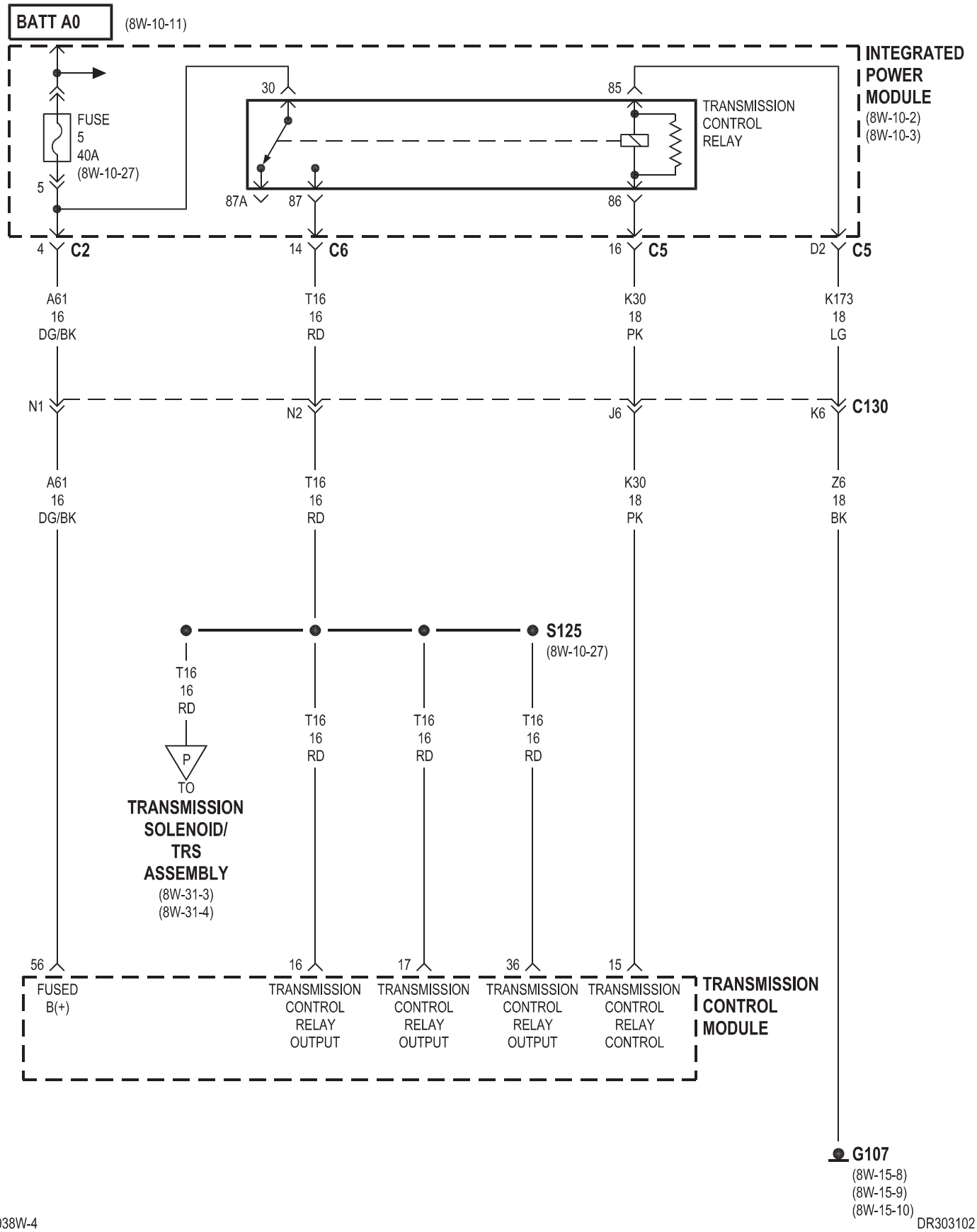

SPEED CONTROL SERVO
(8W-33-2)
SPEED CONTROL VACUUM SOLENOID CONTROL
SPEED CONTROL VENT SOLENOID CONTROL
SPEED CONTROL BRAKE SWITCH OUTPUT
1
2
3
V36 20 TN/RD
V30 20 DB/RD
25 C219
V30 20 DB/RD
3
BRAKE LAMP SWITCH
(8W-33-6)
4
V32 20 YL/RD
21 C219
DATA LINK CONNECTOR
(8W-18-3)
9
15
D6 18 PK/LB
D15 18 WT/DG
44
2 C219
V35 20 LG/RD
V32 20 YL/RD
D6 18 PK/LB
D15 18 WT/DG
K1
B1
B2
F2
D2 C130
V36 18 TN/RD
V35 18 LG/RD
V32 18 YL/RD
D6 18 PK/LB
D15 18 WT/DG
4 C3
5 C3
11 C3
29 C3
27 C3
SPEED CONTROL VACUUM SOLENOID CONTROL
SPEED CONTROL VENT SOLENOID CONTROL
SPEED CONTROL BRAKE SWITCH OUTPUT
SCI RECEIVE (TCM)
SCI TRANSMIT (TCM)
POWERTRAIN CONTROL MODULE

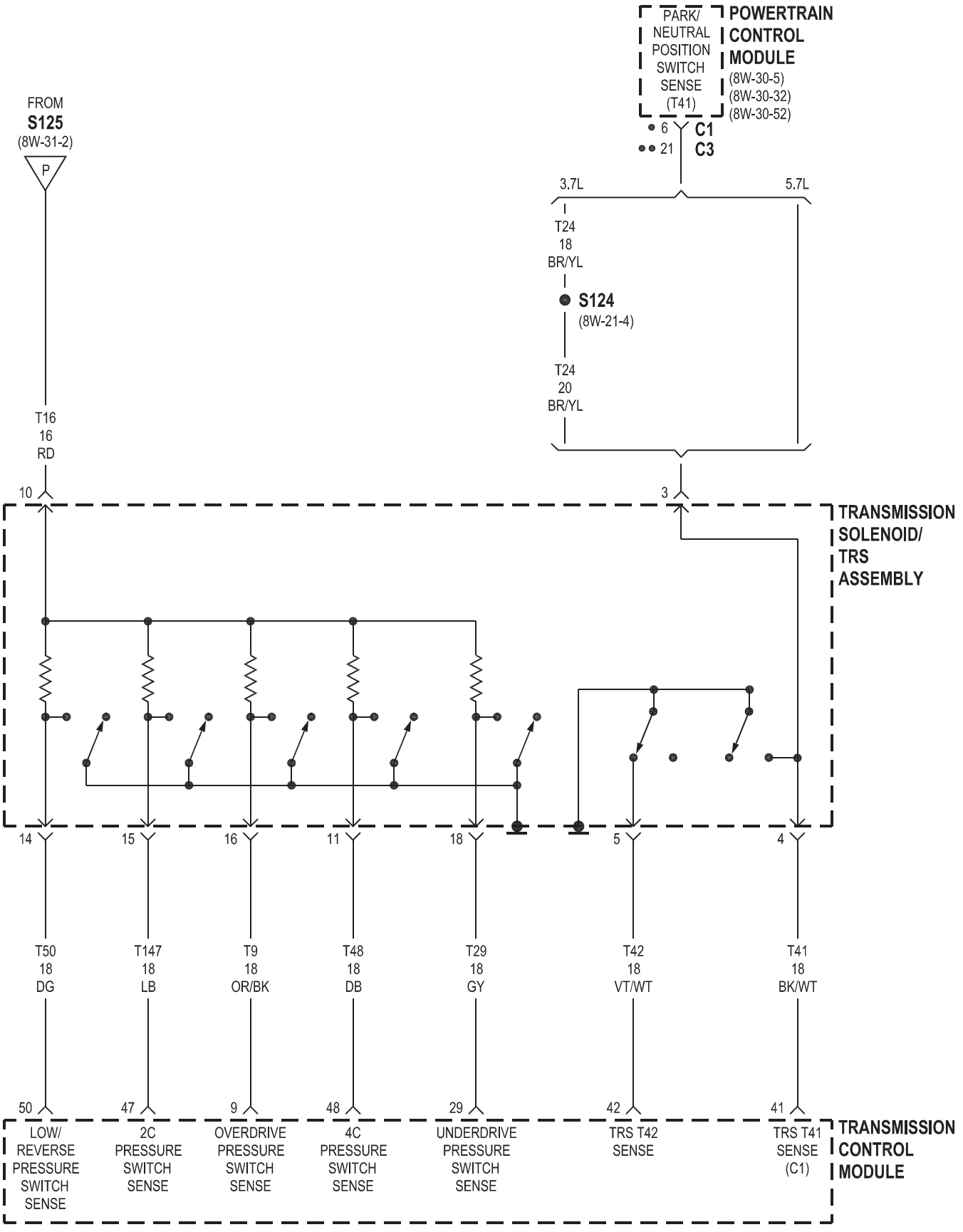

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 19 20A
(8W-10-33)
7 C2
A14 20 RD/WT
S110
(8W-10-33)
A14 20 RD/WT
C1 C130
A14 18 RD/WT
22 C1
FUSED B (+)
ENGINE CONTROL MODULE
(8W-30-82)
VEHICLE SPEED SIGNAL
11 C2
G7 18 WT/OR
1 C108
G7 18 WT/OR
S129
(8W-30-82)
G7 18 WT/OR
27 C2
VEHICLE SPEED SIGNAL
SPEED CONTROL SWITCH-LEFT
(8W-33-3)
(8W-33-4)
SPEED CONTROL SWITCH SIGNAL
1
SPEED CONTROL SWITCH-RIGHT
(8W-33-3)
(8W-33-4)
SPEED CONTROL SWITCH SIGNAL
3
V37 20 RD/LG
V37 20 RD/LG
S228
V37 20 RD/LG
3 C3
CLOCKSPRING
(8W-33-3)
(8W-33-4)
4 C1
V37 20 RD/LG
17 C219
V37 20 RD/LG
M6 C130
V37 18 RD/LG
32 C3
SPEED CONTROL SWITCH SIGNAL
POWERTRAIN CONTROL MODULE

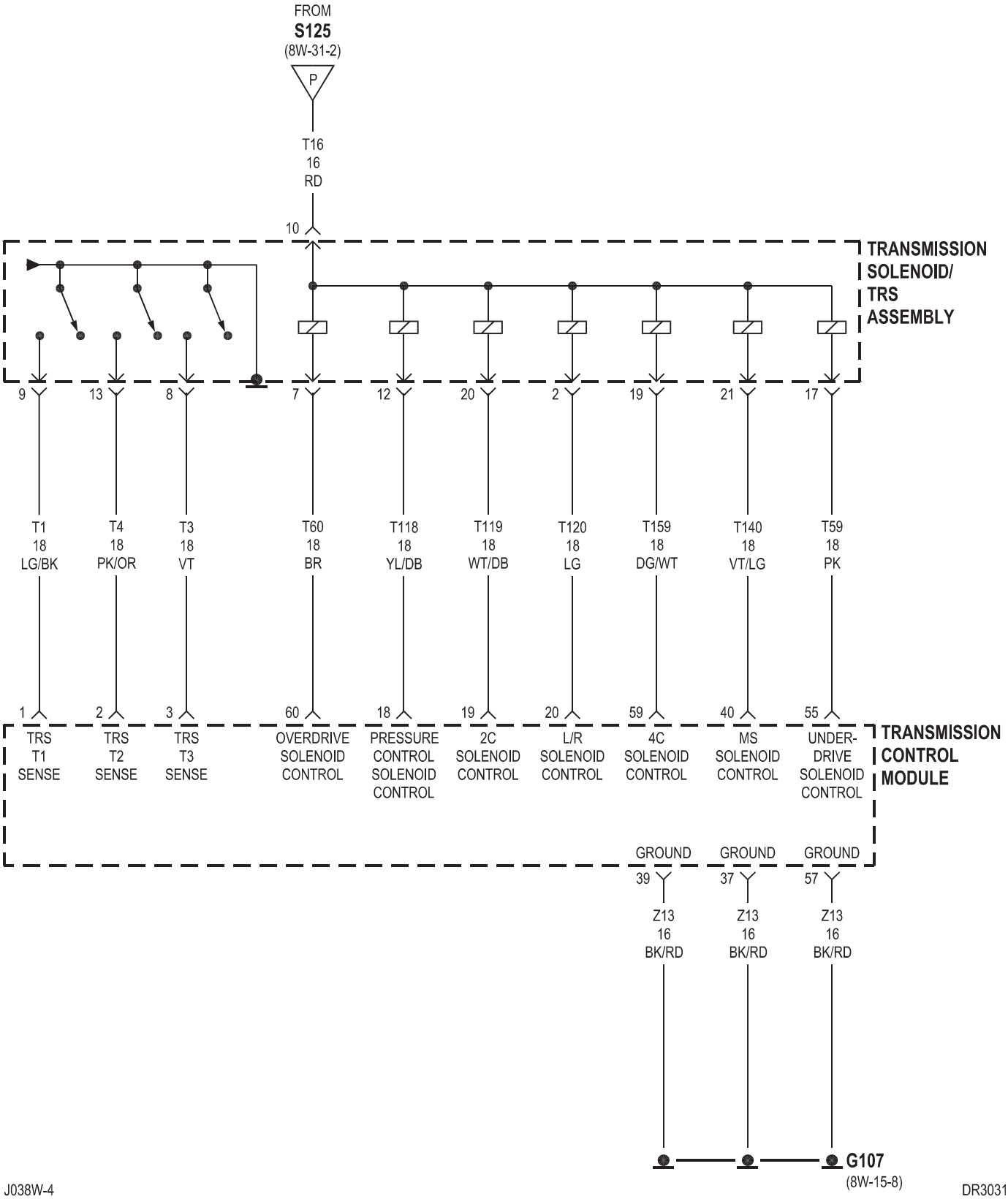

ENGINE CONTROL MODULE
(8W-30-80)
(8W-30-82)
(8W-30-84)
ACCELERATOR PEDAL POSITION SENSOR SIGNAL
CRANKSHAFT POSITION SENSOR SIGNAL
FUSED IGNITION SWITCH OUTPUT (RUN-START)
BRAKE SWITCH SENSE
1 C2
2 C2
32 C2
37 C2
K22 18 OR/DB
K24 18 WT/DG
Y135 18 LG/BK
K29 18 WT/PK
10 C108
3 C110
11 C110
2 C110
Y135 18 LG/BK
K29 18 WT/PK
S156 (8W-10-43)
S127 (8W-30-82)
K22 18 OR/DB
K24 18 GY/BK
Y135 18 LG/BK
K29 18 WT/PK
23 C1
8 C1
2 C1
24 C3
ACCELERATOR PEDAL POSITION SENSOR SIGNAL
CRANKSHAFT POSITION SENSOR SIGNAL
FUSED IGNITION SWITCH OUTPUT (RUN-START)
BRAKE SWITCH SENSE
2 DATA LINK CONNECTOR
(8W-18-2)
D25 20 LB/VT
S230 (8W-18-4)
D25 20 VT/DG
S231 (8W-18-6)
D25 20 VT/BR
34 C219
D25 20 VT/BR
M2 C130
D25 18 VT/BR
30 C3
PCI BUS
2 OVERDRIVE SWITCH
(8W-31-19)
1
T6 20 VT/WT
18 C219
T6 20 OR/WT
C4 C130
T6 18 OR/WT
13 C3
OVERDRIVE OFF SWITCH SENSE
Z71 20 OR/WT
G201 (8W-15-13)
POWERTRAIN CONTROL MODULE
GROUND
GROUND
32 C1
31 C1
Z81 14 BK/TN
Z82 14 BK/TN
G117 (8W-15-11)

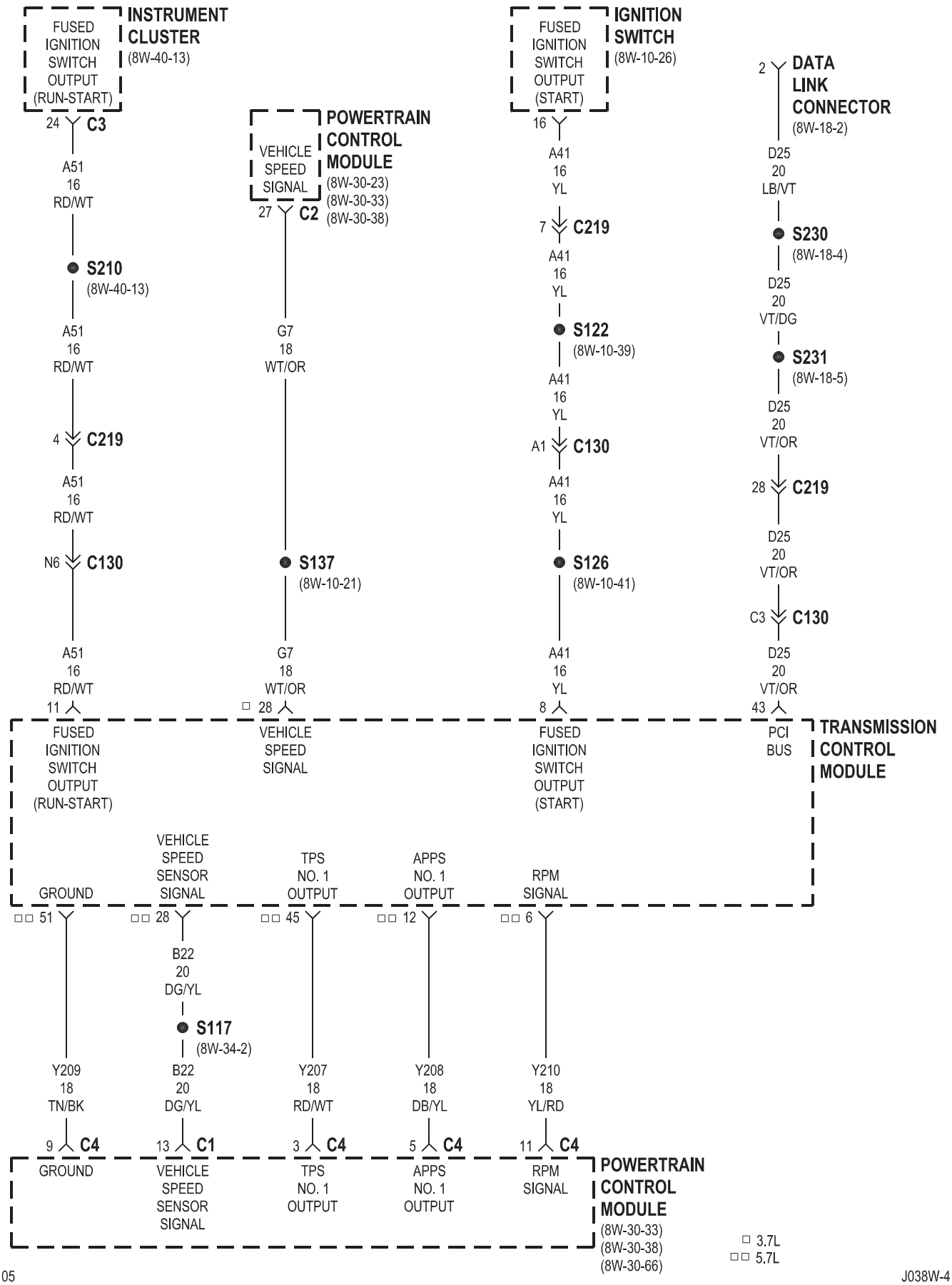
8W-31 TRANSMISSION CONTROL SYSTEM

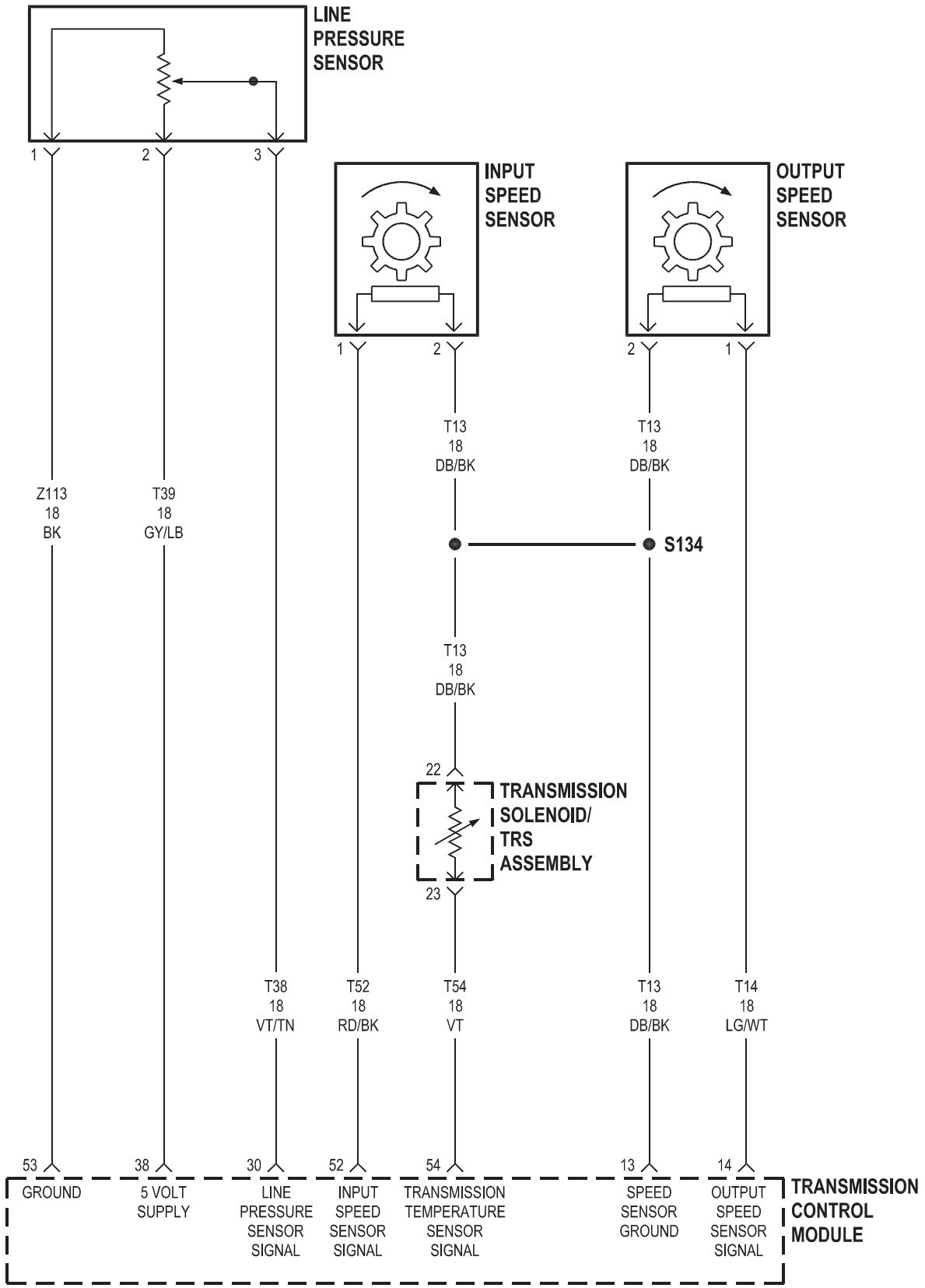
Component	Page
Automatic Day/Night Mirror	8W-31-7, 15
Brake Lamp Switch	8W-31-17
Clockspring	8W-31-18
Clutch Interlock Brake Switch	8W-31-20
Data Link Connector	8W-31-5, 8, 17, 19, 25
Engine Control Module	8W-31-18, 19
Front Control Module	8W-31-7, 10
Fuse 5	8W-31-2, 10, 13, 16
Fuse 19	8W-31-18
Fuse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

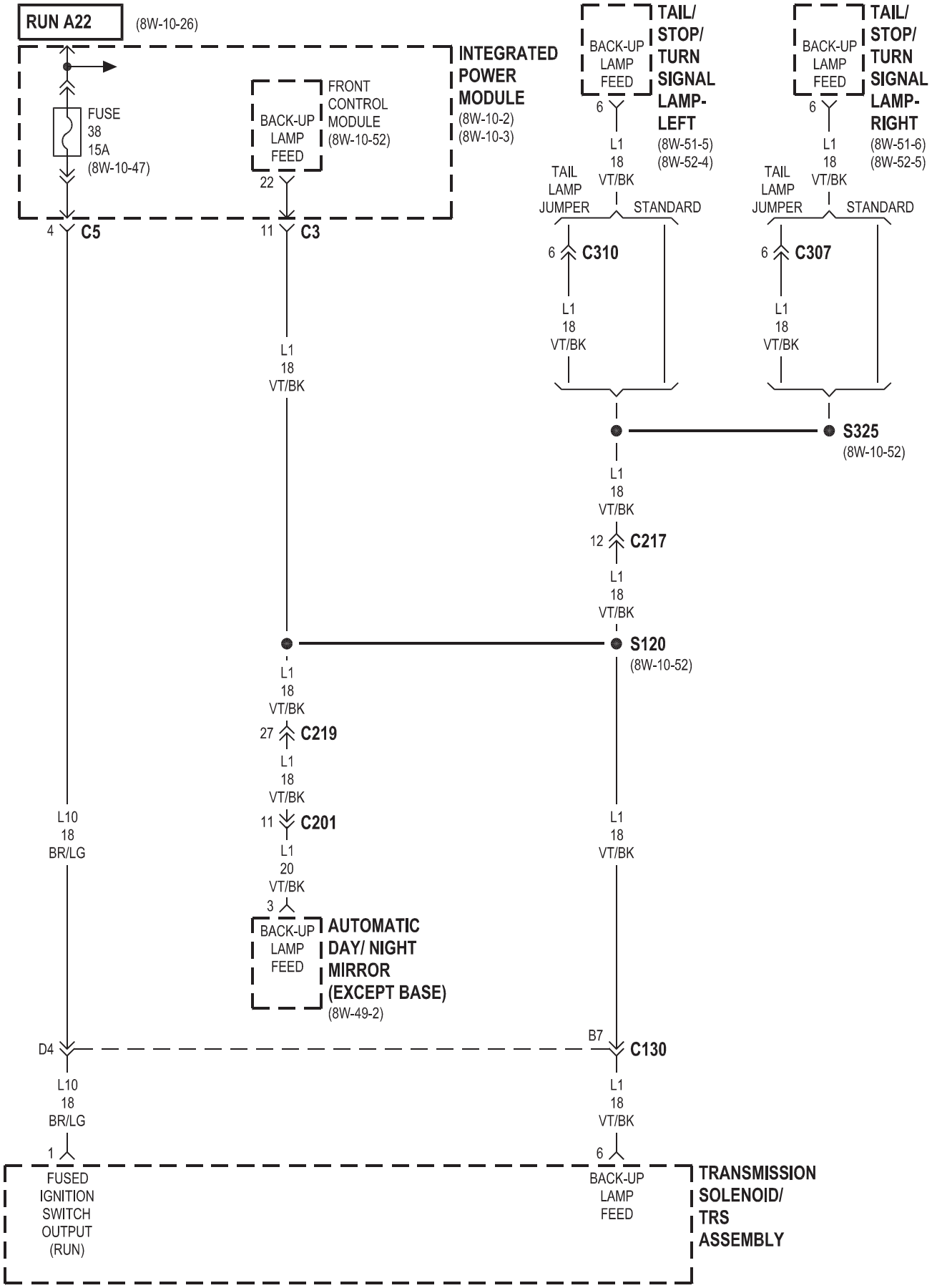

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 5 40A
(8W-10-27)
5
30
85
TRANSMISSION CONTROL RELAY
87A
87
86
4 C2
14 C6
16 C5
D2 C5
A61 16 DG/BK
T16 16 RD
K30 18 PK
K173 18 LG
N1
N2
J6
K6 C130
A61 16 DG/BK
T16 16 RD
K30 18 PK
Z6 18 BK
S125
(8W-10-27)
T16 16 RD
P
TO
TRANSMISSION SOLENOID/ TRS ASSEMBLY
(8W-31-3)
(8W-31-4)
T16 16 RD
T16 16 RD
T16 16 RD
56
16
17
36
15
FUSED B(+)
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY CONTROL
TRANSMISSION CONTROL MODULE
G107
(8W-15-8)
(8W-15-9)
(8W-15-10)

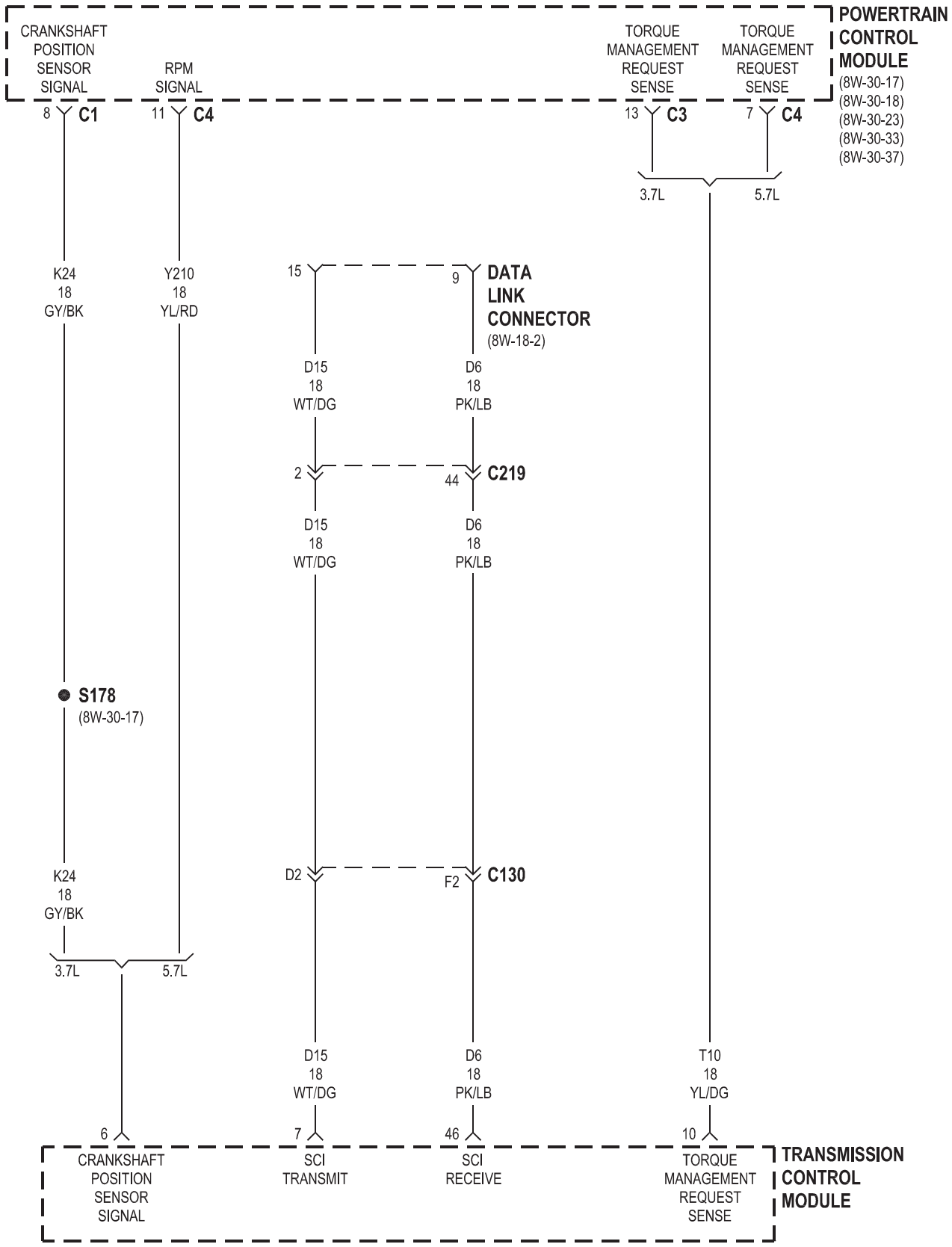

PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
POWERTRAIN CONTROL MODULE
(8W-30-5)
(8W-30-32)
(8W-30-52)
• 6
•• 21
C1
C3
FROM S125 (8W-31-2)
P
3.7L
5.7L
T24
18
BR/YL
S124
(8W-21-4)
T24
20
BR/YL
T16
16
RD
10
3
TRANSMISSION SOLENOID/ TRS ASSEMBLY
14
15
16
11
18
5
4
T50
18
DG
T147
18
LB
T9
18
OR/BK
T48
18
DB
T29
18
GY
T42
18
VT/WT
T41
18
BK/WT
50
47
9
48
29
42
41
LOW/ REVERSE PRESSURE SWITCH SENSE
2C PRESSURE SWITCH SENSE
OVERDRIVE PRESSURE SWITCH SENSE
4C PRESSURE SWITCH SENSE
UNDERDRIVE PRESSURE SWITCH SENSE
TRS T42 SENSE
TRS T41 SENSE (C1)
TRANSMISSION CONTROL MODULE
• 3.7L
•• 5.7L

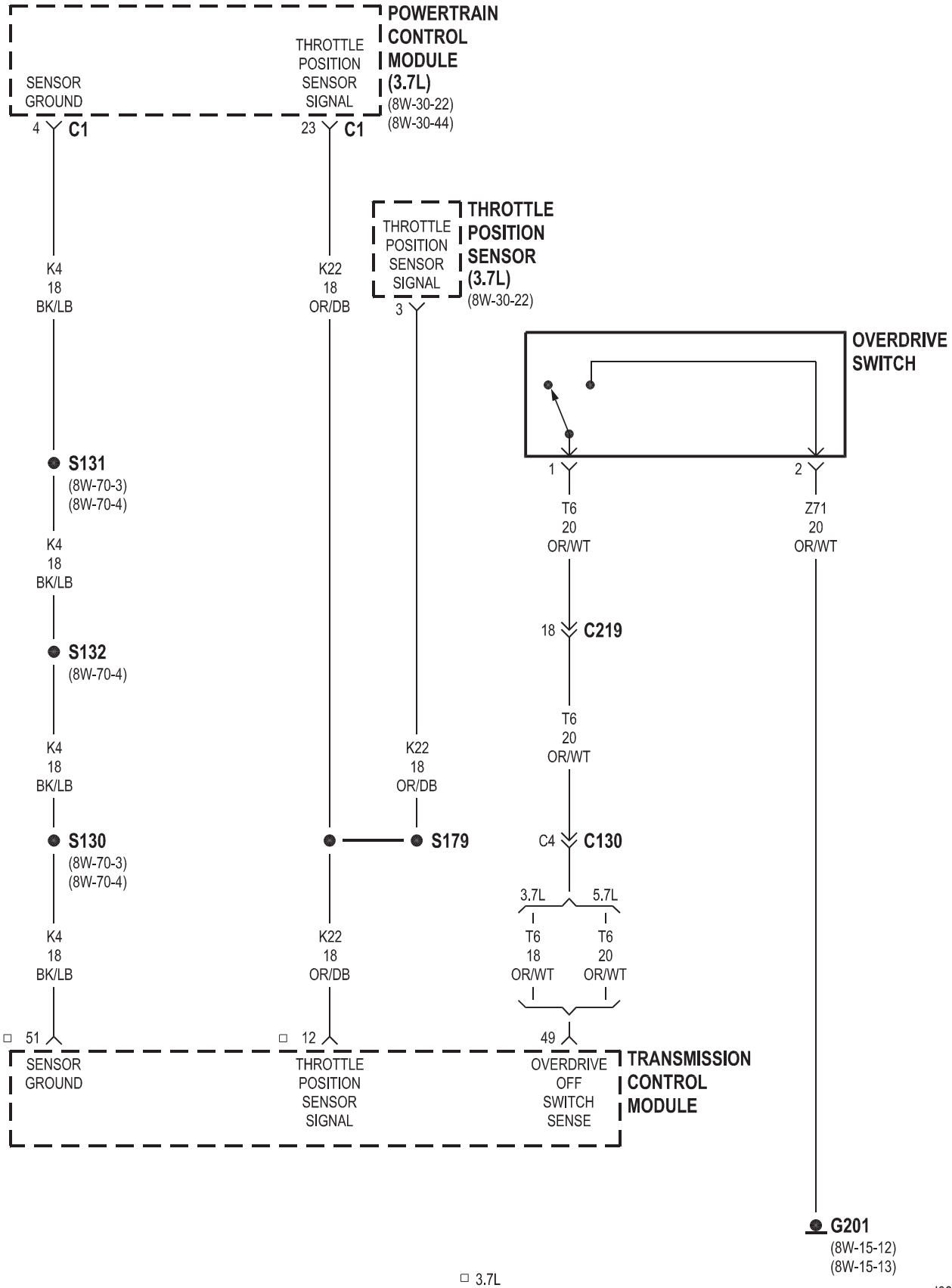

FROM
S125
(8W-31-2)
P
T16
16
RD
10
TRANSMISSION SOLENOID/ TRS ASSEMBLY
9
13
8
7
12
20
2
19
21
17
T1
18
LG/BK
T4
18
PK/OR
T3
18
VT
T60
18
BR
T118
18
YL/DB
T119
18
WT/DB
T120
18
LG
T159
18
DG/WT
T140
18
VT/LG
T59
18
PK
1
2
3
60
18
19
20
59
40
55
TRS T1 SENSE
TRS T2 SENSE
TRS T3 SENSE
OVERDRIVE SOLENOID CONTROL
PRESSURE CONTROL SOLENOID CONTROL
2C SOLENOID CONTROL
L/R SOLENOID CONTROL
4C SOLENOID CONTROL
MS SOLENOID CONTROL
UNDER-DRIVE SOLENOID CONTROL
TRANSMISSION CONTROL MODULE
GROUND
GROUND
GROUND
39
37
57
Z13
16
BK/RD
Z13
16
BK/RD
Z13
16
BK/RD
G107
(8W-15-8)


FUSED IGNITION SWITCH OUTPUT (RUN-START)
INSTRUMENT CLUSTER
(8W-40-13)
24 C3
A51 16 RD/WT
S210
(8W-40-13)
A51 16 RD/WT
4 C219
A51 16 RD/WT
N6 C130
A51 16 RD/WT
11
VEHICLE SPEED SIGNAL
POWERTRAIN CONTROL MODULE
(8W-30-23)
(8W-30-33)
(8W-30-38)
27 C2
G7 18 WT/OR
S137
(8W-10-21)
G7 18 WT/OR
□ 28
FUSED IGNITION SWITCH OUTPUT (START)
IGNITION SWITCH
(8W-10-26)
16
A41 16 YL
7 C219
A41 16 YL
S122
(8W-10-39)
A41 16 YL
A1 C130
A41 16 YL
S126
(8W-10-41)
A41 16 YL
8
2
DATA LINK CONNECTOR
(8W-18-2)
D25 20 LB/VT
S230
(8W-18-4)
D25 20 VT/DG
S231
(8W-18-5)
D25 20 VT/OR
28 C219
D25 20 VT/OR
C3 C130
D25 20 VT/OR
43
TRANSMISSION CONTROL MODULE
FUSED IGNITION SWITCH OUTPUT (RUN-START)
VEHICLE SPEED SIGNAL
FUSED IGNITION SWITCH OUTPUT (START)
PCI BUS
GROUND
□□ 51
VEHICLE SPEED SENSOR SIGNAL
□□ 28
TPS NO. 1 OUTPUT
□□ 45
APPS NO. 1 OUTPUT
□□ 12
RPM SIGNAL
□□ 6
B22 20 DG/YL
S117
(8W-34-2)
Y209 18 TN/BK
B22 20 DG/YL
Y207 18 RD/WT
Y208 18 DB/YL
Y210 18 YL/RD
9 C4
13 C1
3 C4
5 C4
11 C4
GROUND
VEHICLE SPEED SENSOR SIGNAL
TPS NO. 1 OUTPUT
APPS NO. 1 OUTPUT
RPM SIGNAL
POWERTRAIN CONTROL MODULE
(8W-30-33)
(8W-30-38)
(8W-30-66)
□ 3.7L
□□ 5.7L

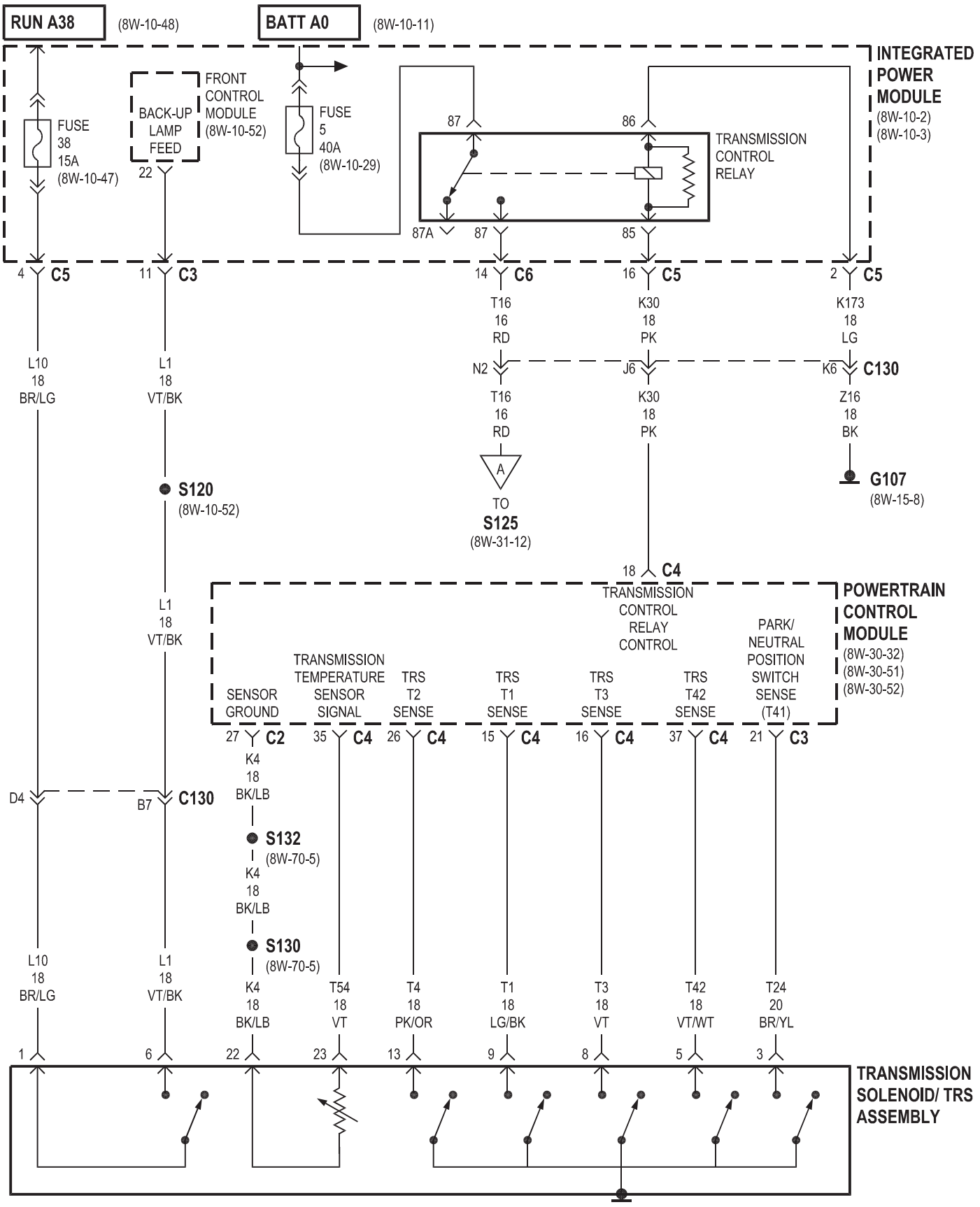

LINE PRESSURE SENSOR
1
2
3
INPUT SPEED SENSOR
1
2
OUTPUT SPEED SENSOR
2
1
T13 18 DB/BK
T13 18 DB/BK
Z113 18 BK
T39 18 GY/LB
S134
T13 18 DB/BK
22
TRANSMISSION SOLENOID/ TRS ASSEMBLY
23
T38 18 VT/TN
T52 18 RD/BK
T54 18 VT
T13 18 DB/BK
T14 18 LG/WT
53
38
30
52
54
13
14
GROUND
5 VOLT SUPPLY
LINE PRESSURE SENSOR SIGNAL
INPUT SPEED SENSOR SIGNAL
TRANSMISSION TEMPERATURE SENSOR SIGNAL
SPEED SENSOR GROUND
OUTPUT SPEED SENSOR SIGNAL
TRANSMISSION CONTROL MODULE

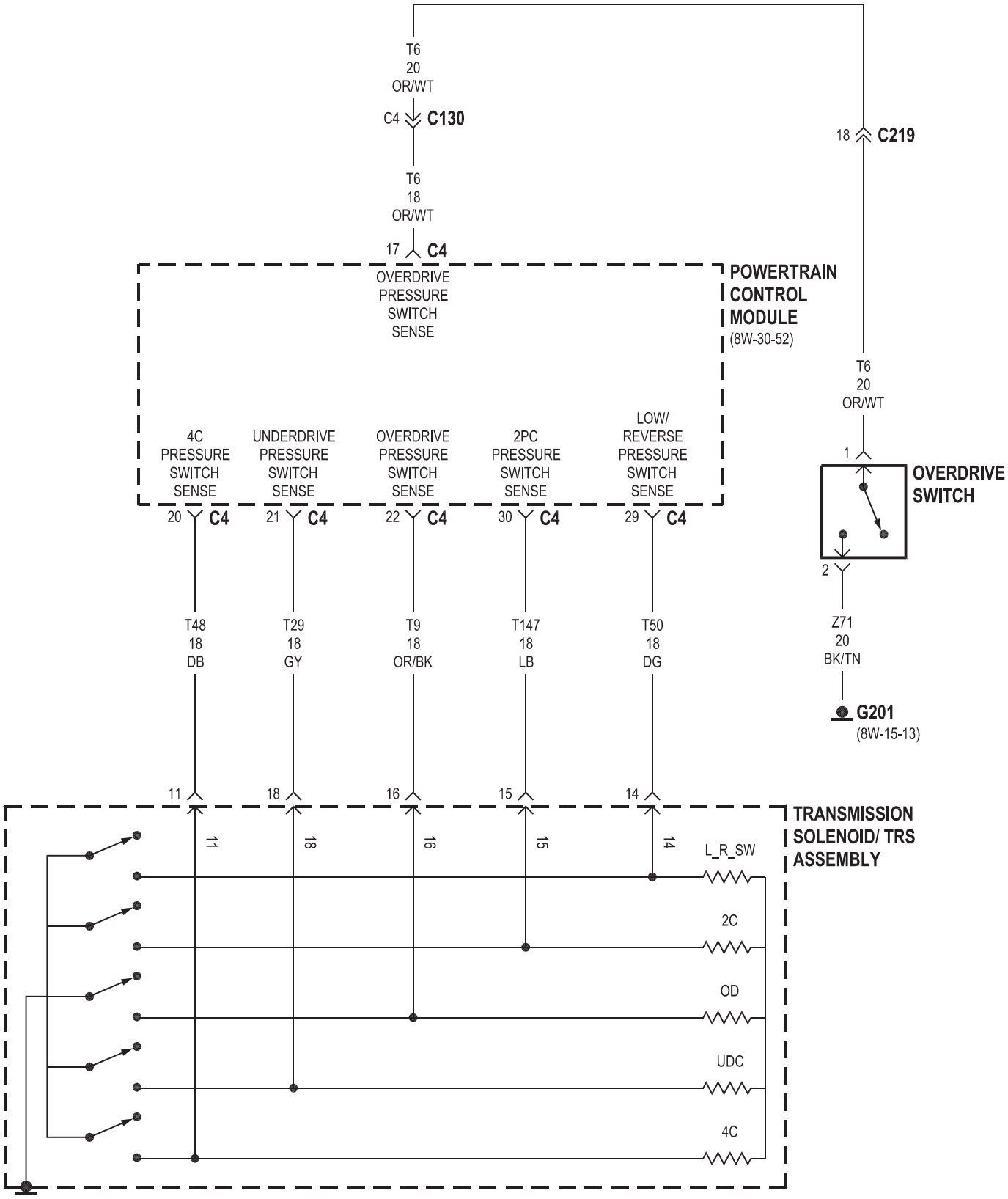

RUN A22
(8W-10-26)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 38 15A
(8W-10-47)
BACK-UP LAMP FEED
FRONT CONTROL MODULE
(8W-10-52)
22
4
C5
11
C3
L1 18 VT/BK
BACK-UP LAMP FEED
TAIL/ STOP/ TURN SIGNAL LAMP- LEFT
(8W-51-5)
(8W-52-4)
6
L1 18 VT/BK
TAIL LAMP JUMPER
STANDARD
6
C310
L1 18 VT/BK
BACK-UP LAMP FEED
TAIL/ STOP/ TURN SIGNAL LAMP- RIGHT
(8W-51-6)
(8W-52-5)
6
L1 18 VT/BK
TAIL LAMP JUMPER
STANDARD
6
C307
L1 18 VT/BK
S325
(8W-10-52)
L1 18 VT/BK
12
C217
L1 18 VT/BK
S120
(8W-10-52)
L1 18 VT/BK
27
C219
L1 18 VT/BK
11
C201
L1 20 VT/BK
3
BACK-UP LAMP FEED
AUTOMATIC DAY/ NIGHT MIRROR (EXCEPT BASE)
(8W-49-2)
L10 18 BR/LG
L1 18 VT/BK
D4
B7
C130
L10 18 BR/LG
L1 18 VT/BK
1
6
FUSED IGNITION SWITCH OUTPUT (RUN)
BACK-UP LAMP FEED
TRANSMISSION SOLENOID/ TRS ASSEMBLY

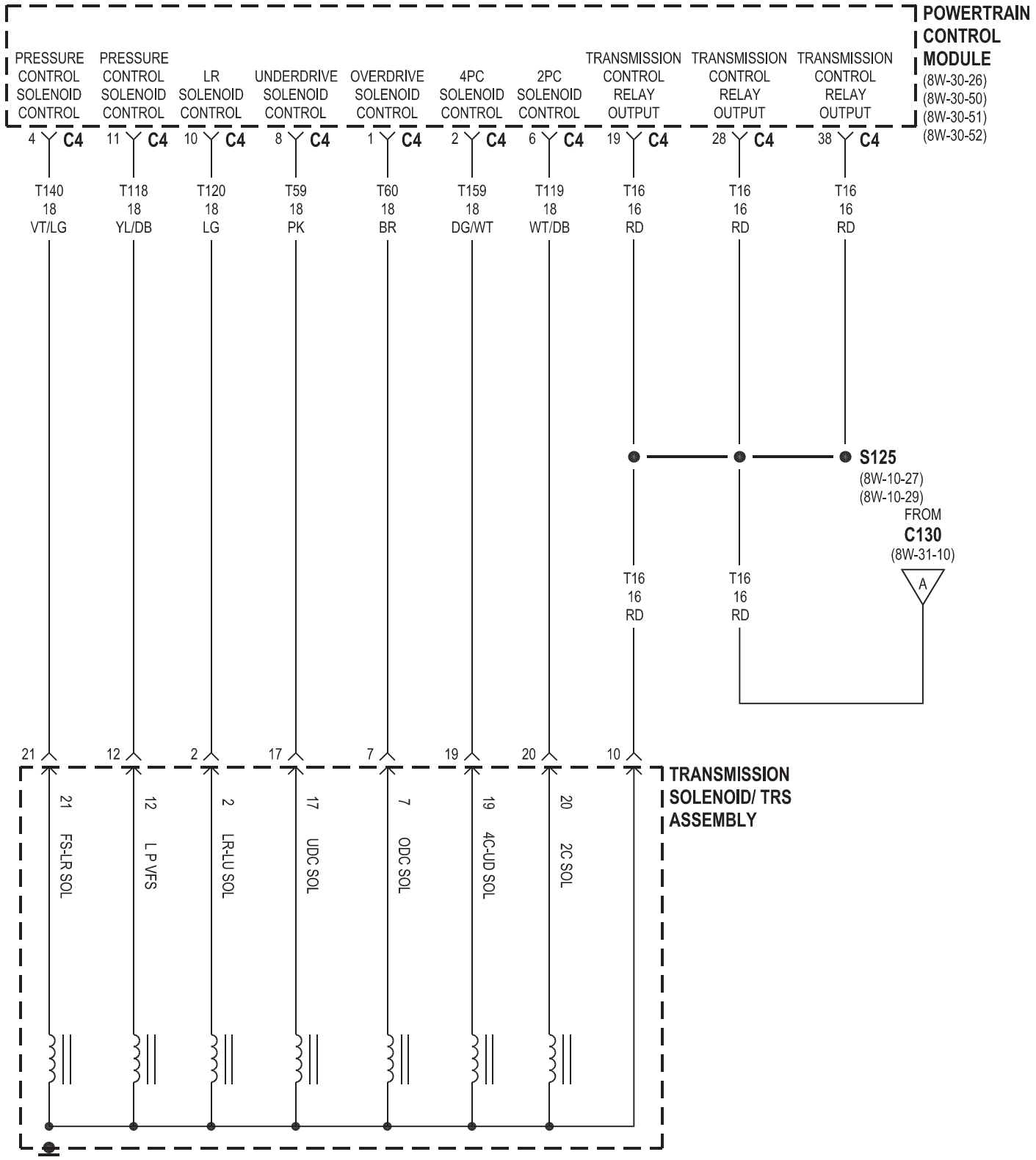

POWERTRAIN CONTROL MODULE
(8W-30-17)
(8W-30-18)
(8W-30-23)
(8W-30-33)
(8W-30-37)
CRANKSHAFT POSITION SENSOR SIGNAL
8 C1
RPM SIGNAL
11 C4
TORQUE MANAGEMENT REQUEST SENSE
13 C3
TORQUE MANAGEMENT REQUEST SENSE
7 C4
3.7L
5.7L
K24 18 GY/BK
Y210 18 YL/RD
15
9
DATA LINK CONNECTOR
(8W-18-2)
D15 18 WT/DG
D6 18 PK/LB
2
44
C219
D15 18 WT/DG
D6 18 PK/LB
S178
(8W-30-17)
K24 18 GY/BK
D2
F2
C130
3.7L
5.7L
D15 18 WT/DG
D6 18 PK/LB
T10 18 YL/DG
6
7
46
10
CRANKSHAFT POSITION SENSOR SIGNAL
SCI TRANSMIT
SCI RECEIVE
TORQUE MANAGEMENT REQUEST SENSE
TRANSMISSION CONTROL MODULE

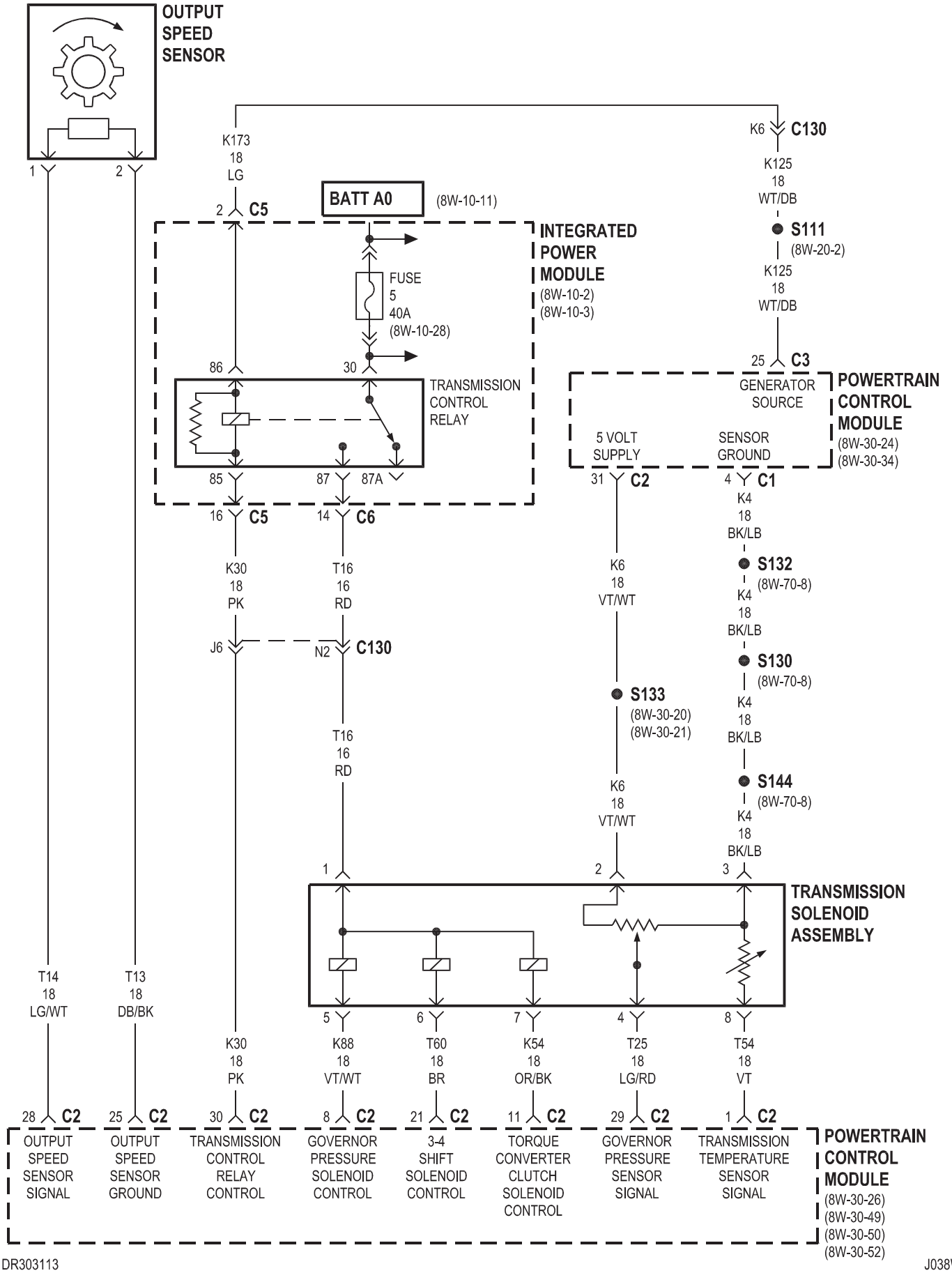

POWERTRAIN CONTROL MODULE (3.7L)
(8W-30-22)
(8W-30-44)
SENSOR GROUND
4 C1
THROTTLE POSITION SENSOR SIGNAL
23 C1
THROTTLE POSITION SENSOR SIGNAL
3
THROTTLE POSITION SENSOR (3.7L)
(8W-30-22)
K4 18 BK/LB
K22 18 OR/DB
OVERDRIVE SWITCH
1
2
T6 20 OR/WT
Z71 20 OR/WT
S131
(8W-70-3)
(8W-70-4)
K4 18 BK/LB
S132
(8W-70-4)
K4 18 BK/LB
K22 18 OR/DB
18 C219
T6 20 OR/WT
S130
(8W-70-3)
(8W-70-4)
S179
C4 C130
3.7L
5.7L
K4 18 BK/LB
K22 18 OR/DB
T6 18 OR/WT
T6 20 OR/WT
□ 51
□ 12
49
SENSOR GROUND
THROTTLE POSITION SENSOR SIGNAL
OVERDRIVE OFF SWITCH SENSE
TRANSMISSION CONTROL MODULE
G201
(8W-15-12)
(8W-15-13)

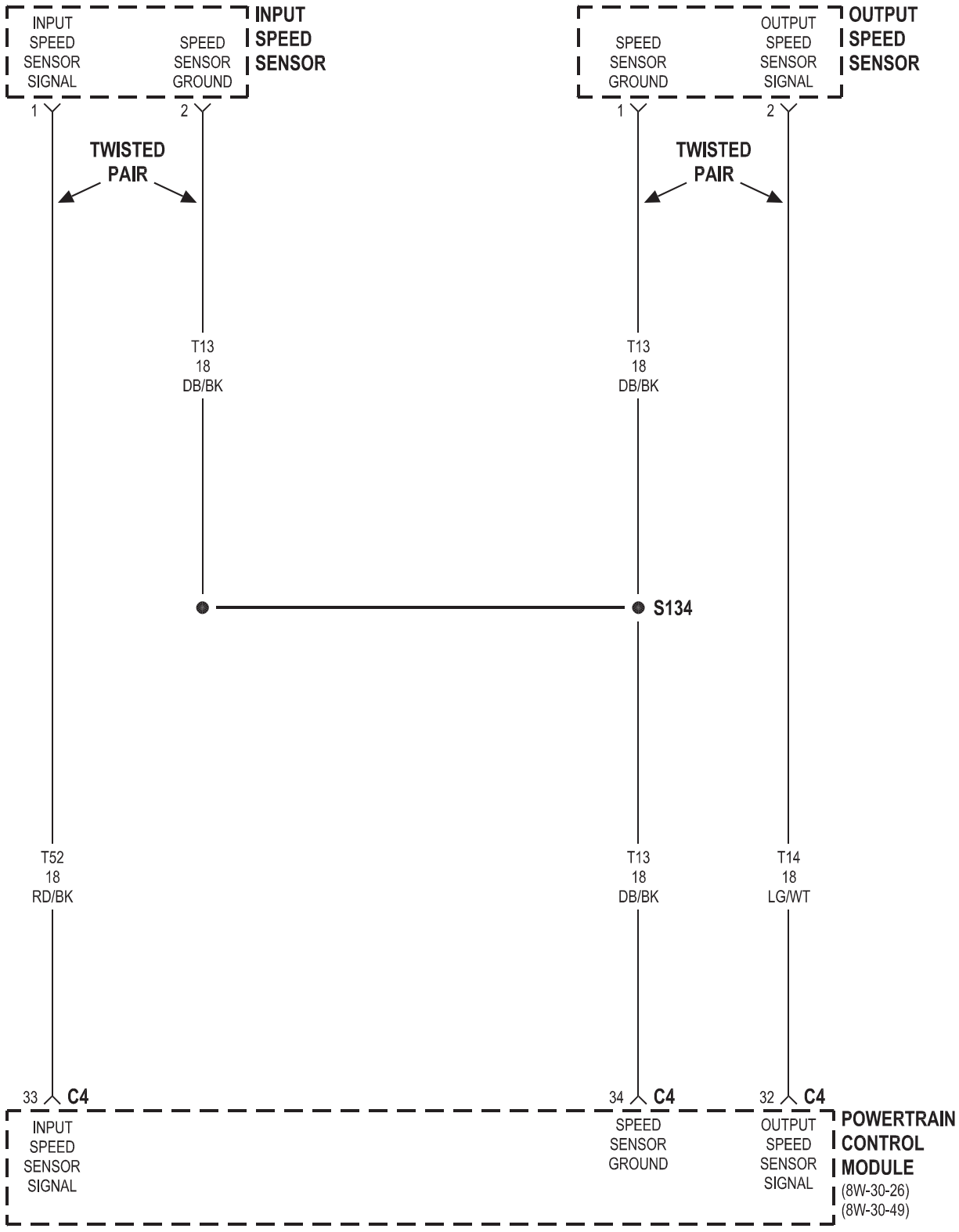
□ 3.7L

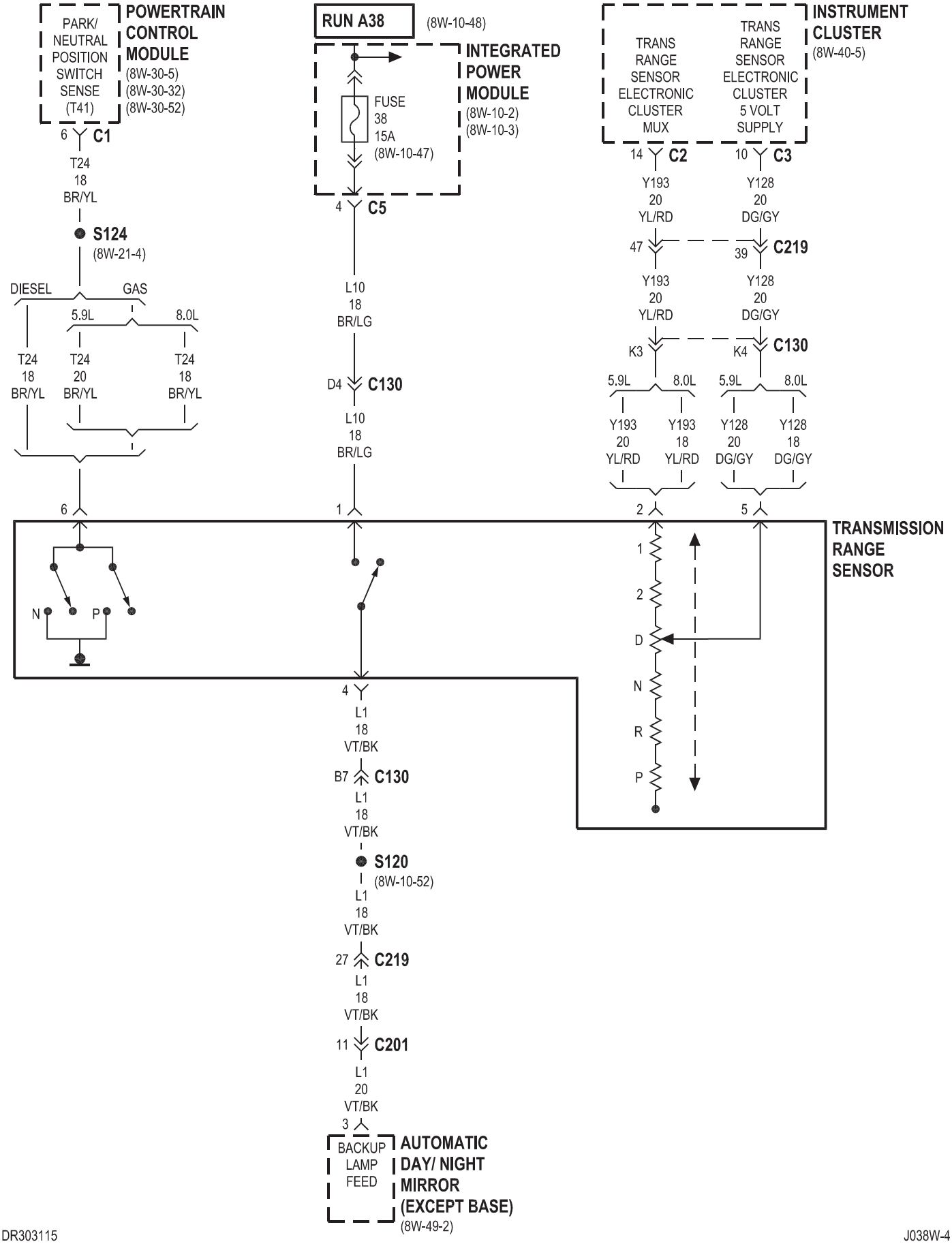

RUN A38
(8W-10-48)
BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 38 15A (8W-10-47)
BACK-UP LAMP FEED
FRONT CONTROL MODULE (8W-10-52)
FUSE 5 40A (8W-10-29)
TRANSMISSION CONTROL RELAY
87
86
87A
85
4 C5
11 C3
14 C6
16 C5
2 C5
T16 16 RD
K30 18 PK
K173 18 LG
L10 18 BR/LG
L1 18 VT/BK
N2
J6
K6 C130
T16 16 RD
K30 18 PK
Z16 18 BK
S120
(8W-10-52)
A
TO S125
(8W-31-12)
G107
(8W-15-8)
18 C4
POWERTRAIN CONTROL MODULE
(8W-30-32)
(8W-30-51)
(8W-30-52)
TRANSMISSION CONTROL RELAY CONTROL
PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
SENSOR GROUND
TRANSMISSION TEMPERATURE SENSOR SIGNAL
TRS T2 SENSE
TRS T1 SENSE
TRS T3 SENSE
TRS T42 SENSE
27 C2
35 C4
26 C4
15 C4
16 C4
37 C4
21 C3
K4 18 BK/LB
D4
B7 C130
S132
(8W-70-5)
S130
(8W-70-5)
T54 18 VT
T4 18 PK/OR
T1 18 LG/BK
T3 18 VT
T42 18 VT/WT
T24 20 BR/YL
1
6
22
23
13
9
8
5
3
TRANSMISSION SOLENOID/ TRS ASSEMBLY

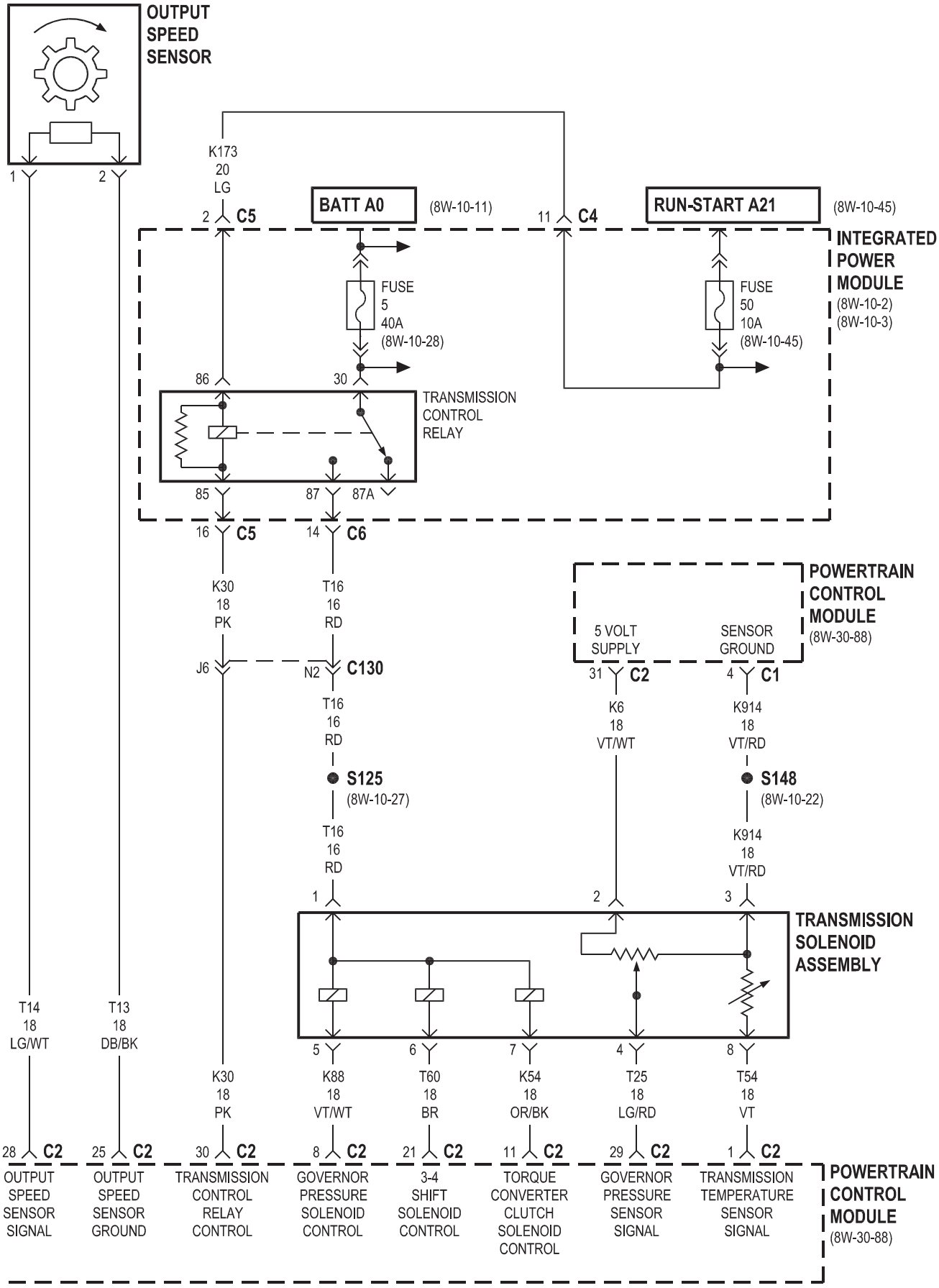

T6
20
OR/WT
C4 C130
T6
18
OR/WT
17 C4
OVERDRIVE
PRESSURE
SWITCH
SENSE
POWERTRAIN
CONTROL
MODULE
(8W-30-52)
18 C219
T6
20
OR/WT
1
OVERDRIVE
SWITCH
2
Z71
20
BK/TN
G201
(8W-15-13)
4C
PRESSURE
SWITCH
SENSE
UNDERDRIVE
PRESSURE
SWITCH
SENSE
OVERDRIVE
PRESSURE
SWITCH
SENSE
2PC
PRESSURE
SWITCH
SENSE
LOW/
REVERSE
PRESSURE
SWITCH
SENSE
20 C4
21 C4
22 C4
30 C4
29 C4
T48
18
DB
T29
18
GY
T9
18
OR/BK
T147
18
LB
T50
18
DG
11
18
16
15
14
TRANSMISSION
SOLENOID/ TRS
ASSEMBLY
L_R_SW
2C
OD
UDC
4C

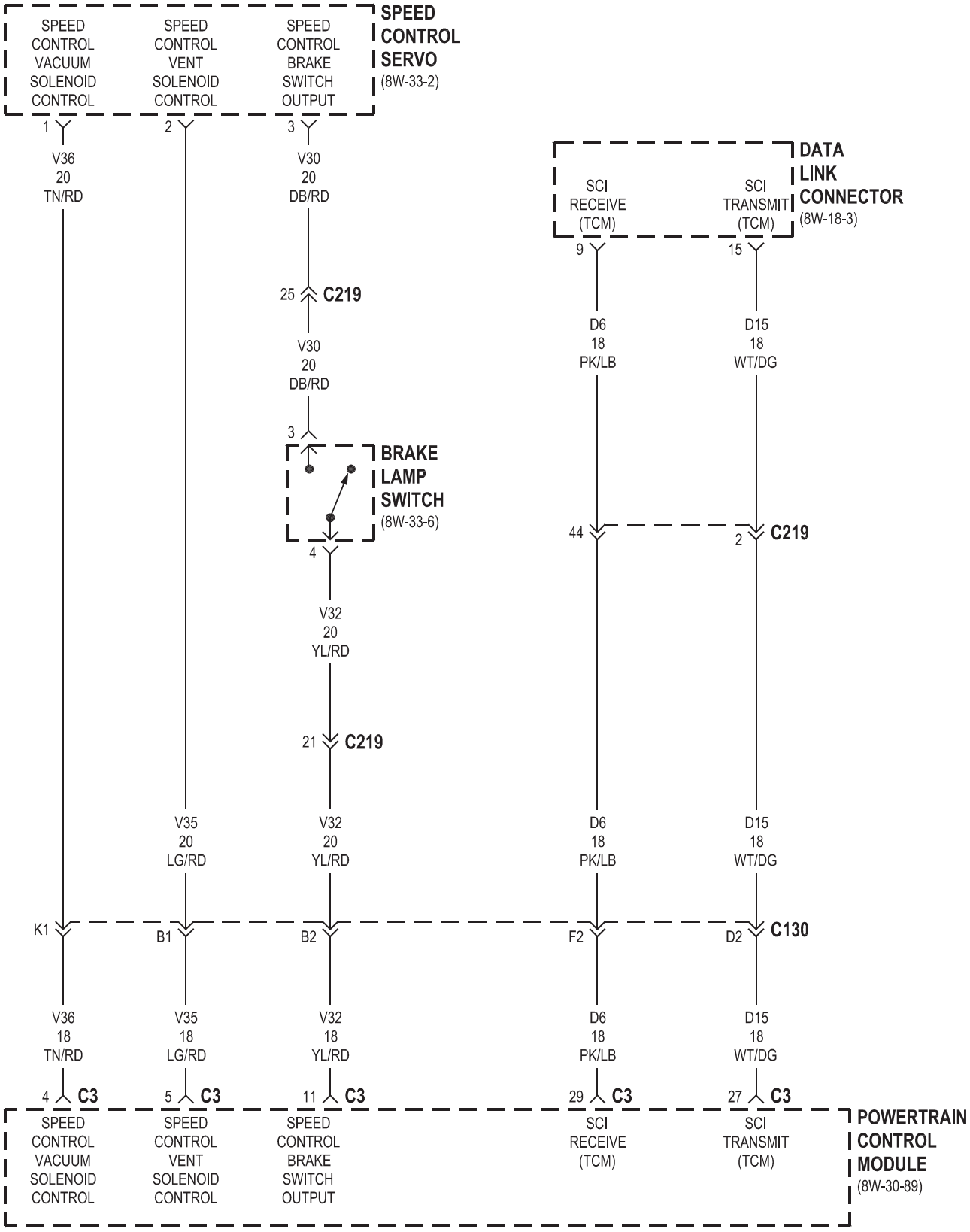

POWERTRAIN CONTROL MODULE
(8W-30-26)
(8W-30-50)
(8W-30-51)
(8W-30-52)
PRESSURE CONTROL SOLENOID CONTROL
PRESSURE CONTROL SOLENOID CONTROL
LR SOLENOID CONTROL
UNDERDRIVE SOLENOID CONTROL
OVERDRIVE SOLENOID CONTROL
4PC SOLENOID CONTROL
2PC SOLENOID CONTROL
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY OUTPUT
4 C4
11 C4
10 C4
8 C4
1 C4
2 C4
6 C4
19 C4
28 C4
38 C4
T140 18 VT/LG
T118 18 YL/DB
T120 18 LG
T59 18 PK
T60 18 BR
T159 18 DG/WT
T119 18 WT/DB
T16 16 RD
T16 16 RD
T16 16 RD
S125
(8W-10-27)
(8W-10-29)
FROM
C130
(8W-31-10)
A
T16 16 RD
T16 16 RD
21
12
2
17
7
19
20
10
TRANSMISSION SOLENOID/ TRS ASSEMBLY
21 FS-LR SOL
12 L P VFS
2 LR-LU SOL
17 UDC SOL
7 ODC SOL
19 4C-UD SOL
20 2C SOL

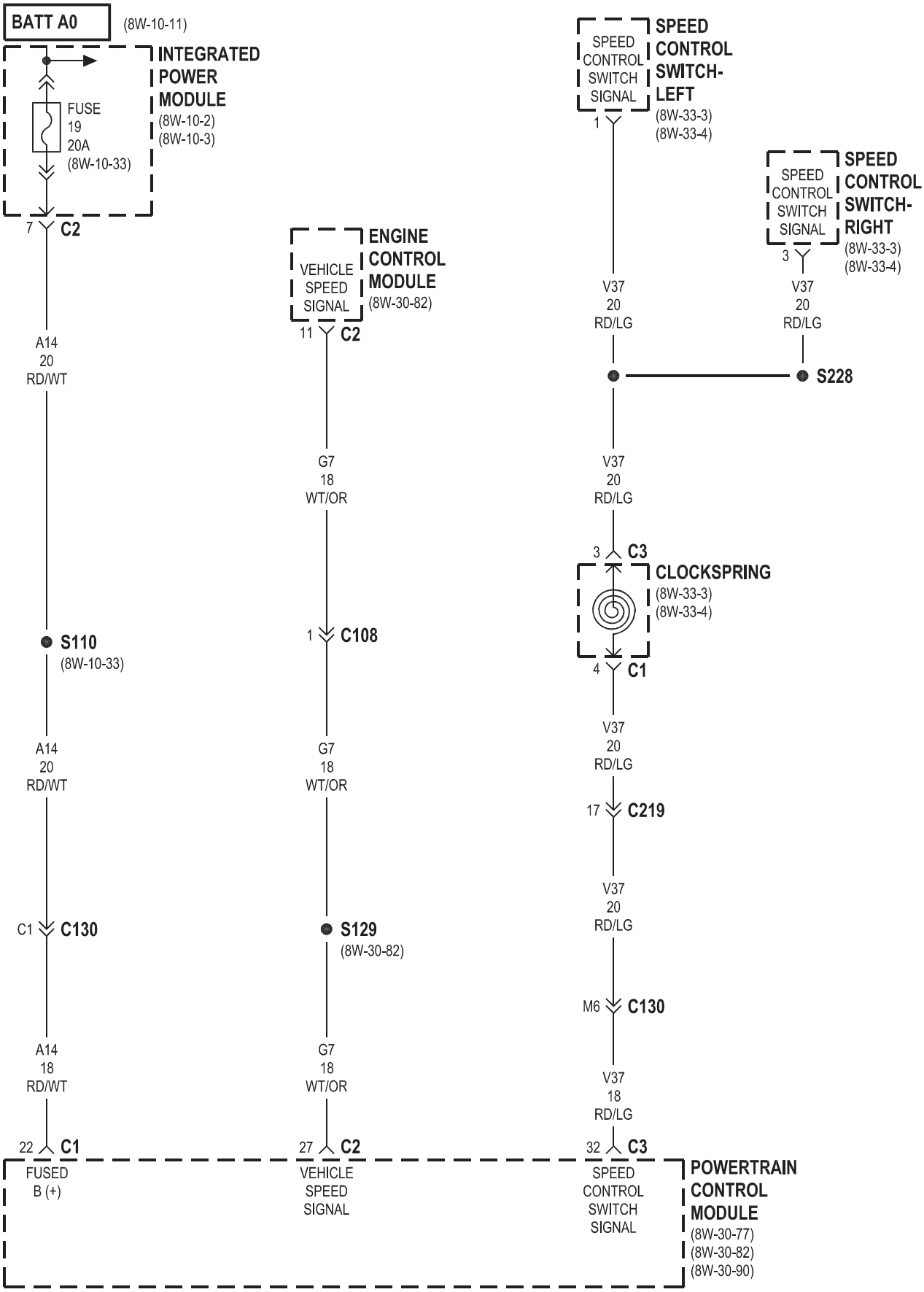

OUTPUT SPEED SENSOR
1
2
K173 18 LG
2 C5
BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 5 40A
(8W-10-28)
86
30
TRANSMISSION CONTROL RELAY
85
87
87A
16 C5
14 C6
K30 18 PK
T16 16 RD
J6
N2 C130
T16 16 RD
K6 C130
K125 18 WT/DB
S111
(8W-20-2)
K125 18 WT/DB
25 C3
GENERATOR SOURCE
POWERTRAIN CONTROL MODULE
(8W-30-24)
(8W-30-34)
5 VOLT SUPPLY
SENSOR GROUND
31 C2
4 C1
K6 18 VT/WT
K4 18 BK/LB
S132
(8W-70-8)
K4 18 BK/LB
S130
(8W-70-8)
K4 18 BK/LB
S144
(8W-70-8)
K4 18 BK/LB
S133
(8W-30-20)
(8W-30-21)
K6 18 VT/WT
1
2
3
TRANSMISSION SOLENOID ASSEMBLY
T14 18 LG/WT
T13 18 DB/BK
5
6
7
4
8
K30 18 PK
K88 18 VT/WT
T60 18 BR
K54 18 OR/BK
T25 18 LG/RD
T54 18 VT
28 C2
25 C2
30 C2
8 C2
21 C2
11 C2
29 C2
1 C2
OUTPUT SPEED SENSOR SIGNAL
OUTPUT SPEED SENSOR GROUND
TRANSMISSION CONTROL RELAY CONTROL
GOVERNOR PRESSURE SOLENOID CONTROL
3-4 SHIFT SOLENOID CONTROL
TORQUE CONVERTER CLUTCH SOLENOID CONTROL
GOVERNOR PRESSURE SENSOR SIGNAL
TRANSMISSION TEMPERATURE SENSOR SIGNAL
POWERTRAIN CONTROL MODULE
(8W-30-26)
(8W-30-49)
(8W-30-50)
(8W-30-52)

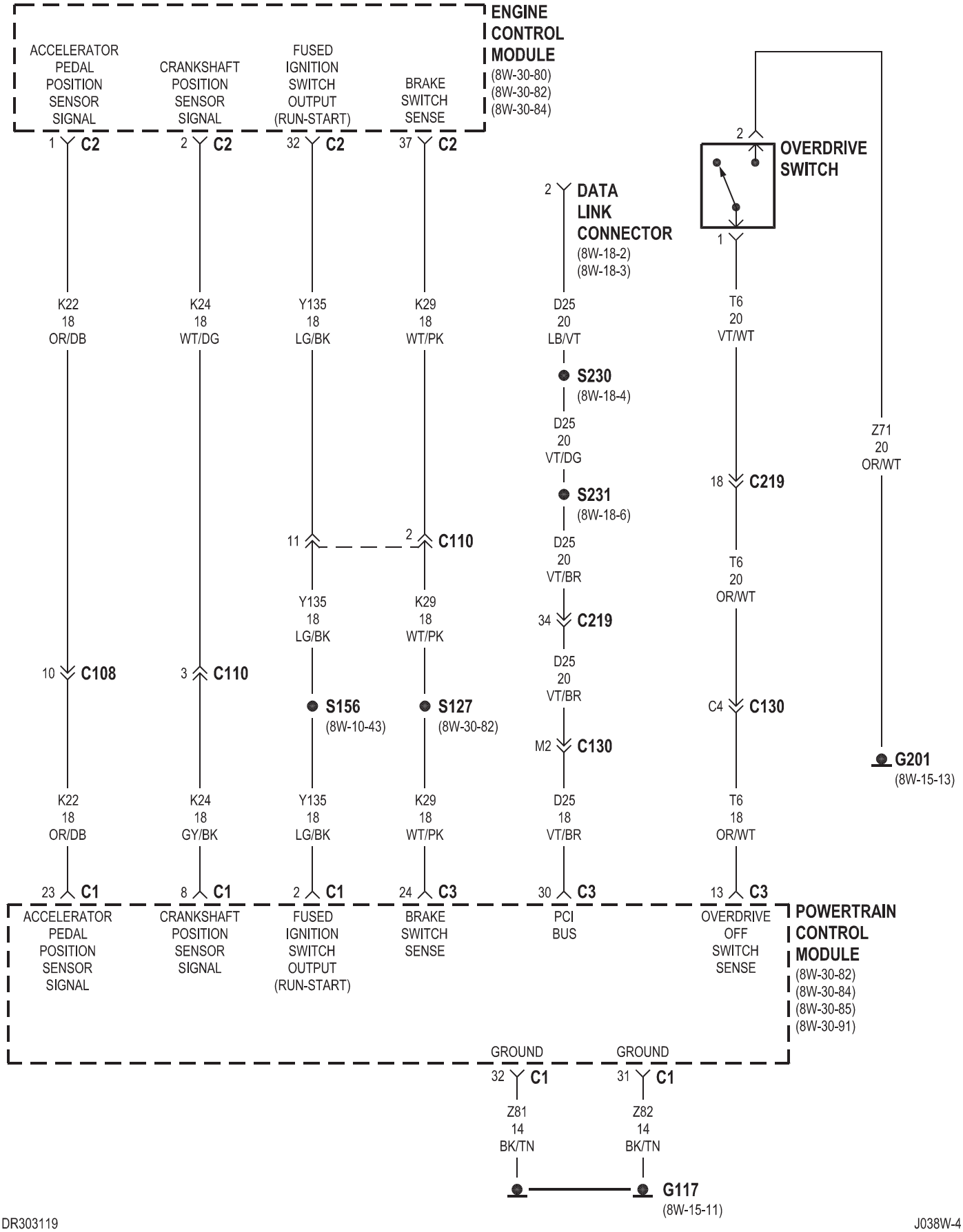

INPUT SPEED SENSOR SIGNAL
SPEED SENSOR GROUND
INPUT SPEED SENSOR
1
2
TWISTED PAIR
T13 18 DB/BK
SPEED SENSOR GROUND
OUTPUT SPEED SENSOR SIGNAL
OUTPUT SPEED SENSOR
1
2
TWISTED PAIR
T13 18 DB/BK
S134
T52 18 RD/BK
T13 18 DB/BK
T14 18 LG/WT
33 C4
34 C4
32 C4
INPUT SPEED SENSOR SIGNAL
SPEED SENSOR GROUND
OUTPUT SPEED SENSOR SIGNAL
POWERTRAIN CONTROL MODULE
(8W-30-26)
(8W-30-49)

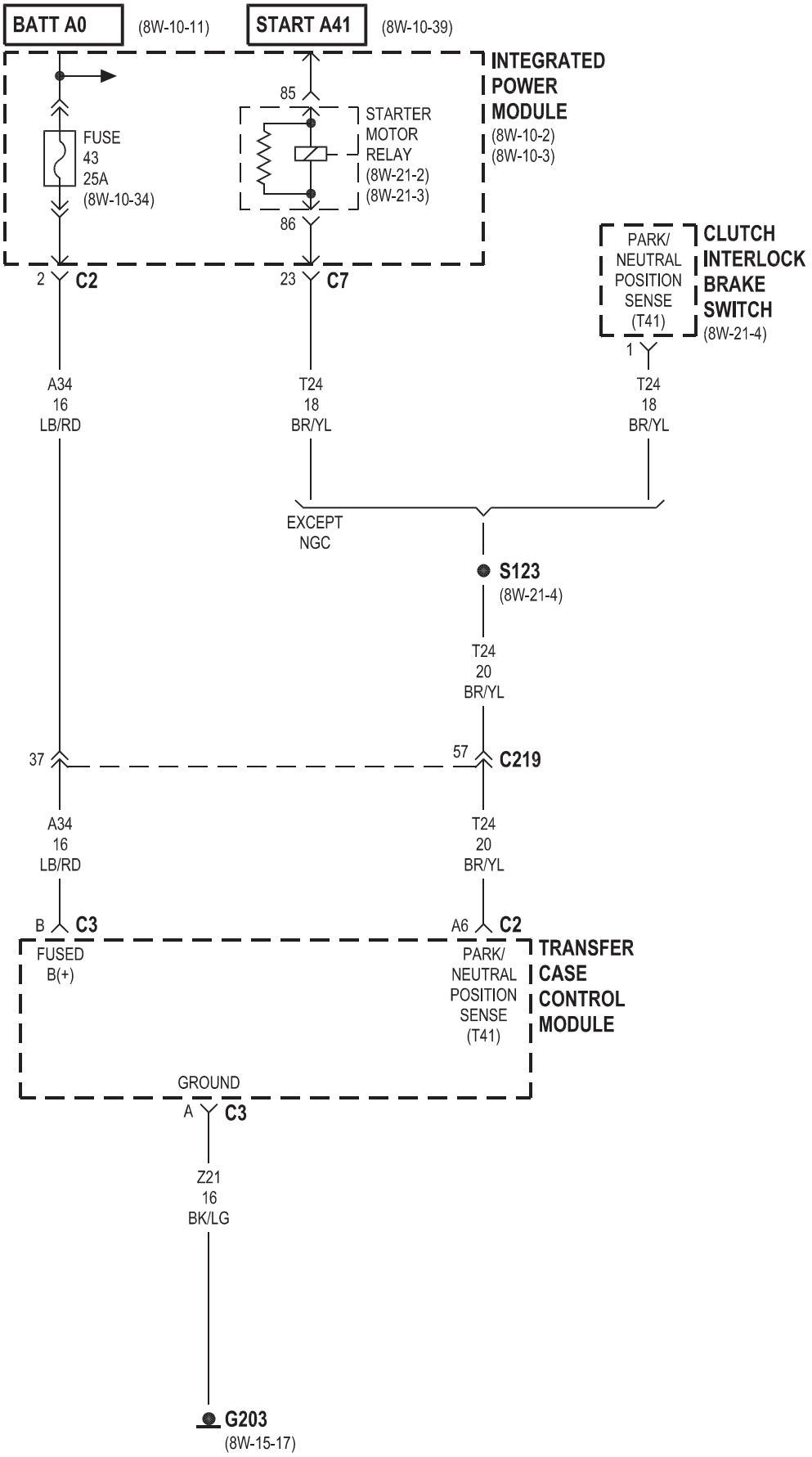

PARK/ NEUTRAL POSITION SWITCH SENSE (T41)
POWERTRAIN CONTROL MODULE
(8W-30-5)
(8W-30-32)
(8W-30-52)
6 C1
T24 18 BR/YL
S124
(8W-21-4)
DIESEL
GAS
5.9L
8.0L
T24 18 BR/YL
T24 20 BR/YL
T24 18 BR/YL
6
N
P
RUN A38
(8W-10-48)
FUSE 38 15A
(8W-10-47)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
4 C5
L10 18 BR/LG
D4 C130
L10 18 BR/LG
1
4
L1 18 VT/BK
B7 C130
L1 18 VT/BK
S120
(8W-10-52)
L1 18 VT/BK
27 C219
L1 18 VT/BK
11 C201
L1 20 VT/BK
3
BACKUP LAMP FEED
AUTOMATIC DAY/ NIGHT MIRROR (EXCEPT BASE)
(8W-49-2)
TRANS RANGE SENSOR ELECTRONIC CLUSTER MUX
TRANS RANGE SENSOR ELECTRONIC CLUSTER 5 VOLT SUPPLY
INSTRUMENT CLUSTER
(8W-40-5)
14 C2
10 C3
Y193 20 YL/RD
Y128 20 DG/GY
47
39 C219
Y193 20 YL/RD
Y128 20 DG/GY
K3
K4 C130
5.9L
8.0L
5.9L
8.0L
Y193 20 YL/RD
Y193 18 YL/RD
Y128 20 DG/GY
Y128 18 DG/GY
2
5
1
2
D
N
R
P
TRANSMISSION RANGE SENSOR


OUTPUT SPEED SENSOR
1
2
K173
20
LG
2 C5
BATT A0
(8W-10-11)
11 C4
RUN-START A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE
5
40A
(8W-10-28)
FUSE
50
10A
(8W-10-45)
86
30
TRANSMISSION CONTROL RELAY
85
87
87A
16 C5
14 C6
K30
18
PK
T16
16
RD
POWERTRAIN CONTROL MODULE
(8W-30-88)
5 VOLT SUPPLY
SENSOR GROUND
31 C2
4 C1
J6
N2 C130
T16
16
RD
K6
18
VT/WT
K914
18
VT/RD
S125
(8W-10-27)
S148
(8W-10-22)
T16
16
RD
K914
18
VT/RD
1
2
3
TRANSMISSION SOLENOID ASSEMBLY
T14
18
LG/WT
T13
18
DB/BK
5
6
7
4
8
K30
18
PK
K88
18
VT/WT
T60
18
BR
K54
18
OR/BK
T25
18
LG/RD
T54
18
VT
28 C2
25 C2
30 C2
8 C2
21 C2
11 C2
29 C2
1 C2
OUTPUT SPEED SENSOR SIGNAL
OUTPUT SPEED SENSOR GROUND
TRANSMISSION CONTROL RELAY CONTROL
GOVERNOR PRESSURE SOLENOID CONTROL
3-4 SHIFT SOLENOID CONTROL
TORQUE CONVERTER CLUTCH SOLENOID CONTROL
GOVERNOR PRESSURE SENSOR SIGNAL
TRANSMISSION TEMPERATURE SENSOR SIGNAL
POWERTRAIN CONTROL MODULE
(8W-30-88)

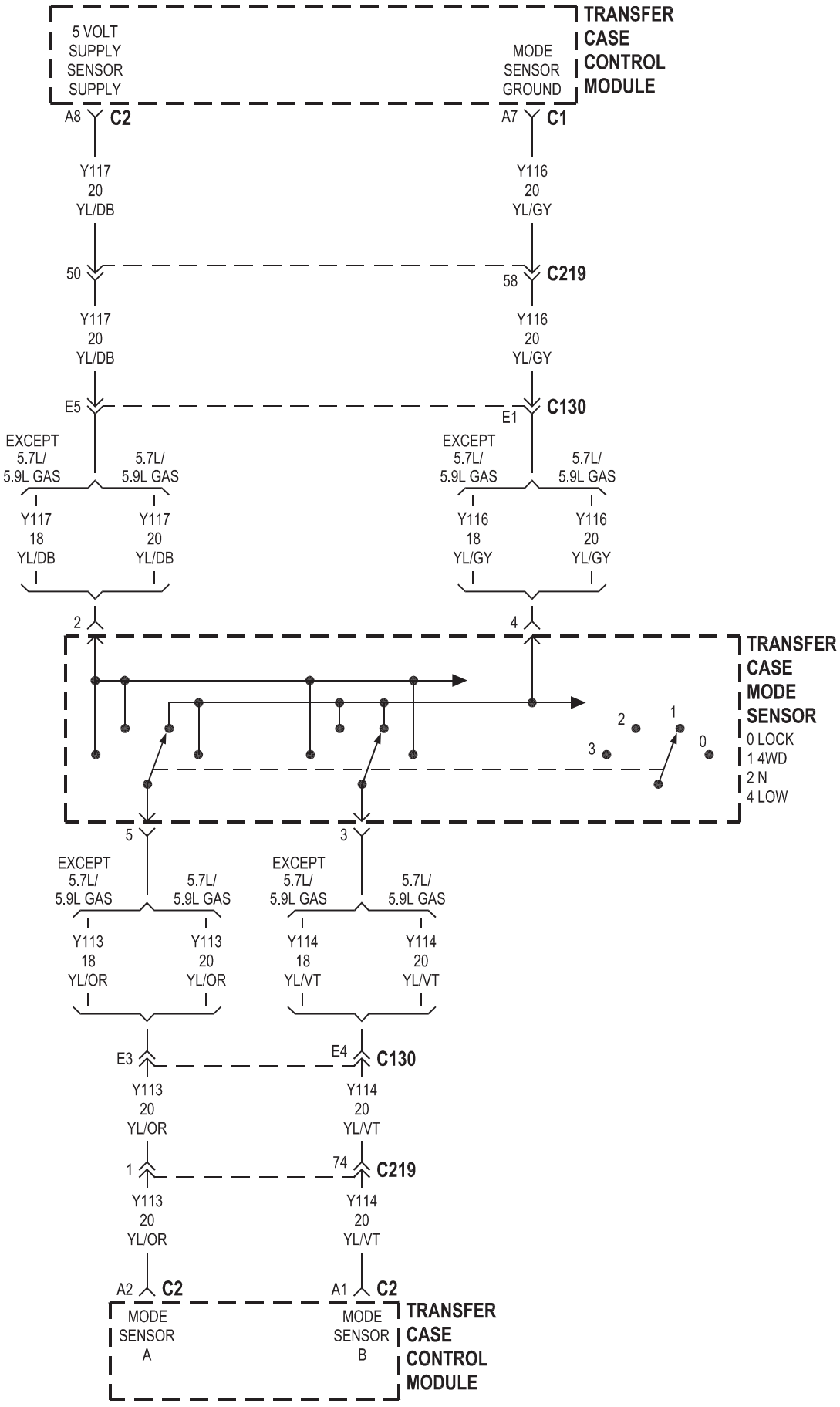

SPEED CONTROL SERVO
(8W-33-2)
SPEED CONTROL VACUUM SOLENOID CONTROL
SPEED CONTROL VENT SOLENOID CONTROL
SPEED CONTROL BRAKE SWITCH OUTPUT
1
2
3
V36 20 TN/RD
V30 20 DB/RD
25 C219
V30 20 DB/RD
3
BRAKE LAMP SWITCH
(8W-33-6)
4
V32 20 YL/RD
21 C219
DATA LINK CONNECTOR
(8W-18-3)
SCI RECEIVE (TCM)
SCI TRANSMIT (TCM)
9
15
D6 18 PK/LB
D15 18 WT/DG
44
2 C219
V35 20 LG/RD
V32 20 YL/RD
D6 18 PK/LB
D15 18 WT/DG
K1
B1
B2
F2
D2 C130
V36 18 TN/RD
V35 18 LG/RD
V32 18 YL/RD
D6 18 PK/LB
D15 18 WT/DG
4 C3
5 C3
11 C3
29 C3
27 C3
SPEED CONTROL VACUUM SOLENOID CONTROL
SPEED CONTROL VENT SOLENOID CONTROL
SPEED CONTROL BRAKE SWITCH OUTPUT
SCI RECEIVE (TCM)
SCI TRANSMIT (TCM)
POWERTRAIN CONTROL MODULE
(8W-30-89)


BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 19 20A
(8W-10-33)
7 C2
A14 20 RD/WT
S110
(8W-10-33)
A14 20 RD/WT
C1 C130
A14 18 RD/WT
22 C1
FUSED B (+)
ENGINE CONTROL MODULE
(8W-30-82)
VEHICLE SPEED SIGNAL
11 C2
G7 18 WT/OR
1 C108
G7 18 WT/OR
S129
(8W-30-82)
G7 18 WT/OR
27 C2
VEHICLE SPEED SIGNAL
SPEED CONTROL SWITCH-LEFT
(8W-33-3)
(8W-33-4)
SPEED CONTROL SWITCH SIGNAL
1
SPEED CONTROL SWITCH-RIGHT
(8W-33-3)
(8W-33-4)
SPEED CONTROL SWITCH SIGNAL
3
V37 20 RD/LG
V37 20 RD/LG
S228
V37 20 RD/LG
3 C3
CLOCKSPRING
(8W-33-3)
(8W-33-4)
4 C1
V37 20 RD/LG
17 C219
V37 20 RD/LG
M6 C130
V37 18 RD/LG
32 C3
SPEED CONTROL SWITCH SIGNAL
POWERTRAIN CONTROL MODULE
(8W-30-77)
(8W-30-82)
(8W-30-90)

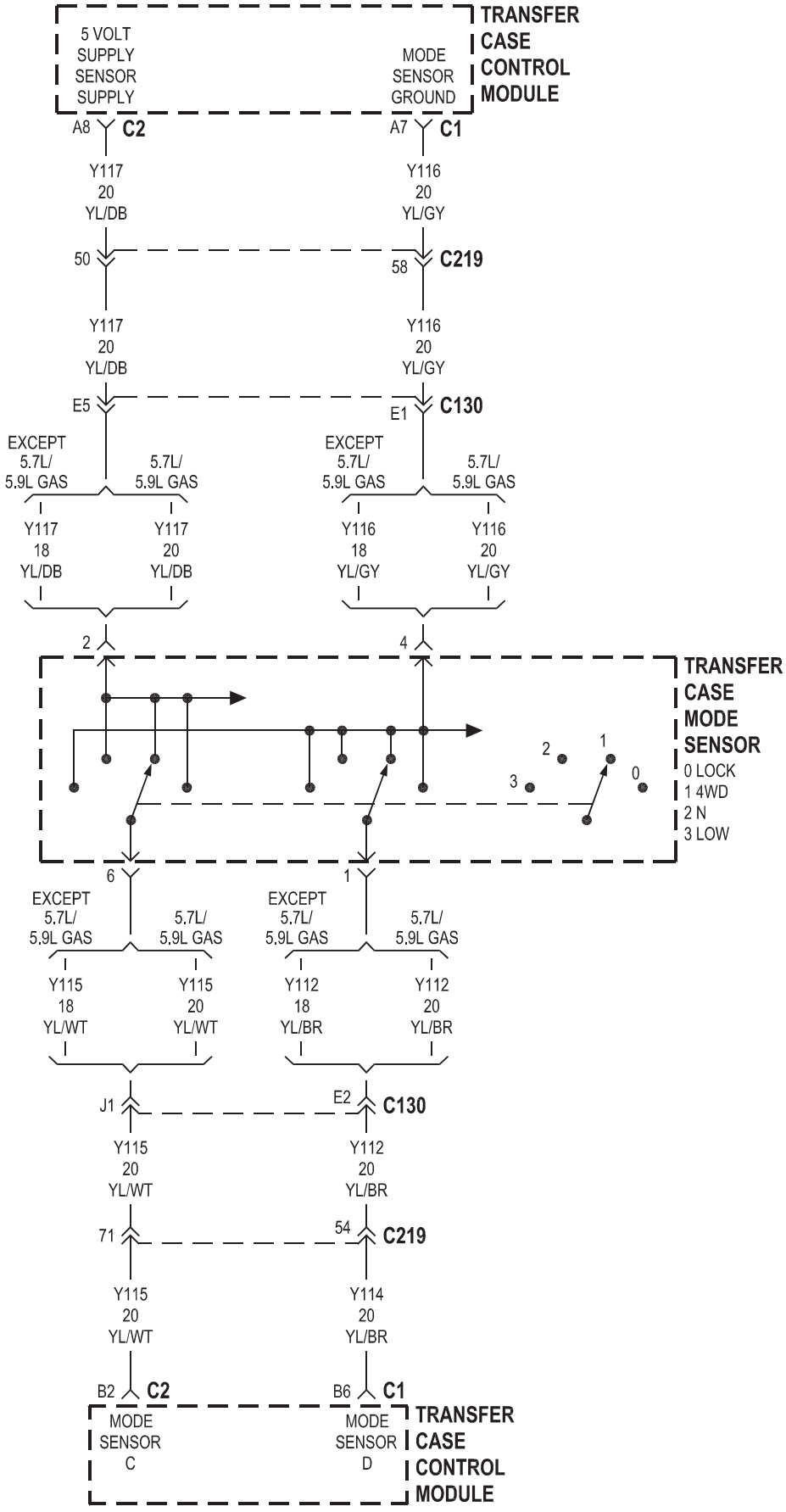

ENGINE CONTROL MODULE
(8W-30-80)
(8W-30-82)
(8W-30-84)
ACCELERATOR PEDAL POSITION SENSOR SIGNAL
CRANKSHAFT POSITION SENSOR SIGNAL
FUSED IGNITION SWITCH OUTPUT (RUN-START)
BRAKE SWITCH SENSE
1 C2
2 C2
32 C2
37 C2
K22 18 OR/DB
K24 18 WT/DG
Y135 18 LG/BK
K29 18 WT/PK
10 C108
3 C110
11 C110
2 C110
Y135 18 LG/BK
K29 18 WT/PK
S156
(8W-10-43)
S127
(8W-30-82)
K22 18 OR/DB
K24 18 GY/BK
Y135 18 LG/BK
K29 18 WT/PK
23 C1
8 C1
2 C1
24 C3
ACCELERATOR PEDAL POSITION SENSOR SIGNAL
CRANKSHAFT POSITION SENSOR SIGNAL
FUSED IGNITION SWITCH OUTPUT (RUN-START)
BRAKE SWITCH SENSE
2 DATA LINK CONNECTOR
(8W-18-2)
(8W-18-3)
D25 20 LB/VT
S230
(8W-18-4)
D25 20 VT/DG
S231
(8W-18-6)
D25 20 VT/BR
34 C219
D25 20 VT/BR
M2 C130
D25 18 VT/BR
30 C3
PCI BUS
2 OVERDRIVE SWITCH
1
T6 20 VT/WT
18 C219
T6 20 OR/WT
C4 C130
T6 18 OR/WT
13 C3
OVERDRIVE OFF SWITCH SENSE
Z71 20 OR/WT
G201
(8W-15-13)
POWERTRAIN CONTROL MODULE
(8W-30-82)
(8W-30-84)
(8W-30-85)
(8W-30-91)
GROUND
GROUND
32 C1
31 C1
Z81 14 BK/TN
Z82 14 BK/TN
G117
(8W-15-11)

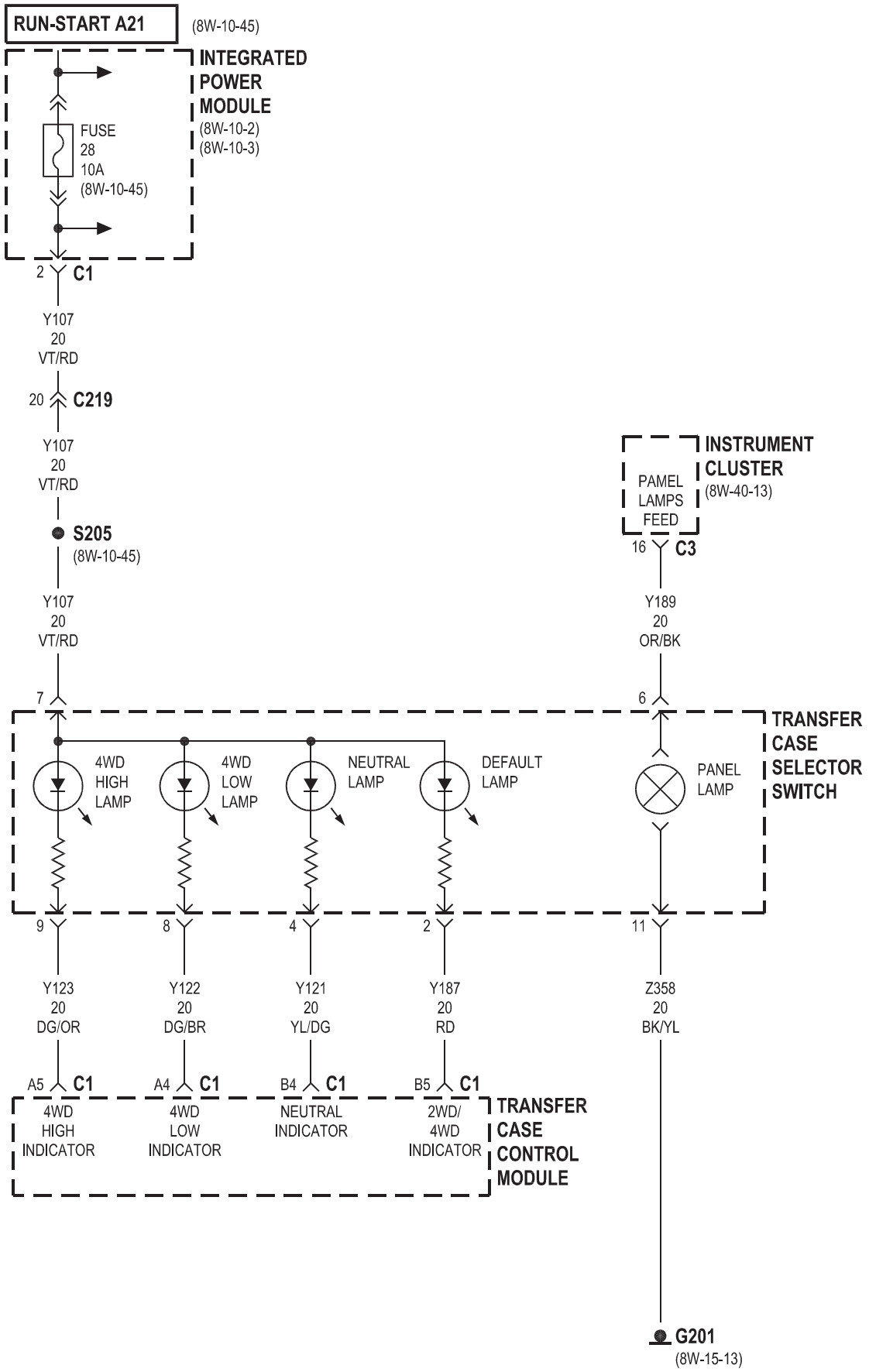

BATT A0
(8W-10-11)
START A41
(8W-10-39)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
85
STARTER MOTOR RELAY
(8W-21-2)
(8W-21-3)
FUSE 43 25A
(8W-10-34)
86
2 C2
23 C7
PARK/ NEUTRAL POSITION SENSE (T41)
CLUTCH INTERLOCK BRAKE SWITCH
(8W-21-4)
1
A34 16 LB/RD
T24 18 BR/YL
T24 18 BR/YL
EXCEPT NGC
S123
(8W-21-4)
T24 20 BR/YL
37
57 C219
A34 16 LB/RD
T24 20 BR/YL
B C3
A6 C2
FUSED B(+)
PARK/ NEUTRAL POSITION SENSE (T41)
TRANSFER CASE CONTROL MODULE
GROUND
A C3
Z21 16 BK/LG
G203
(8W-15-17)

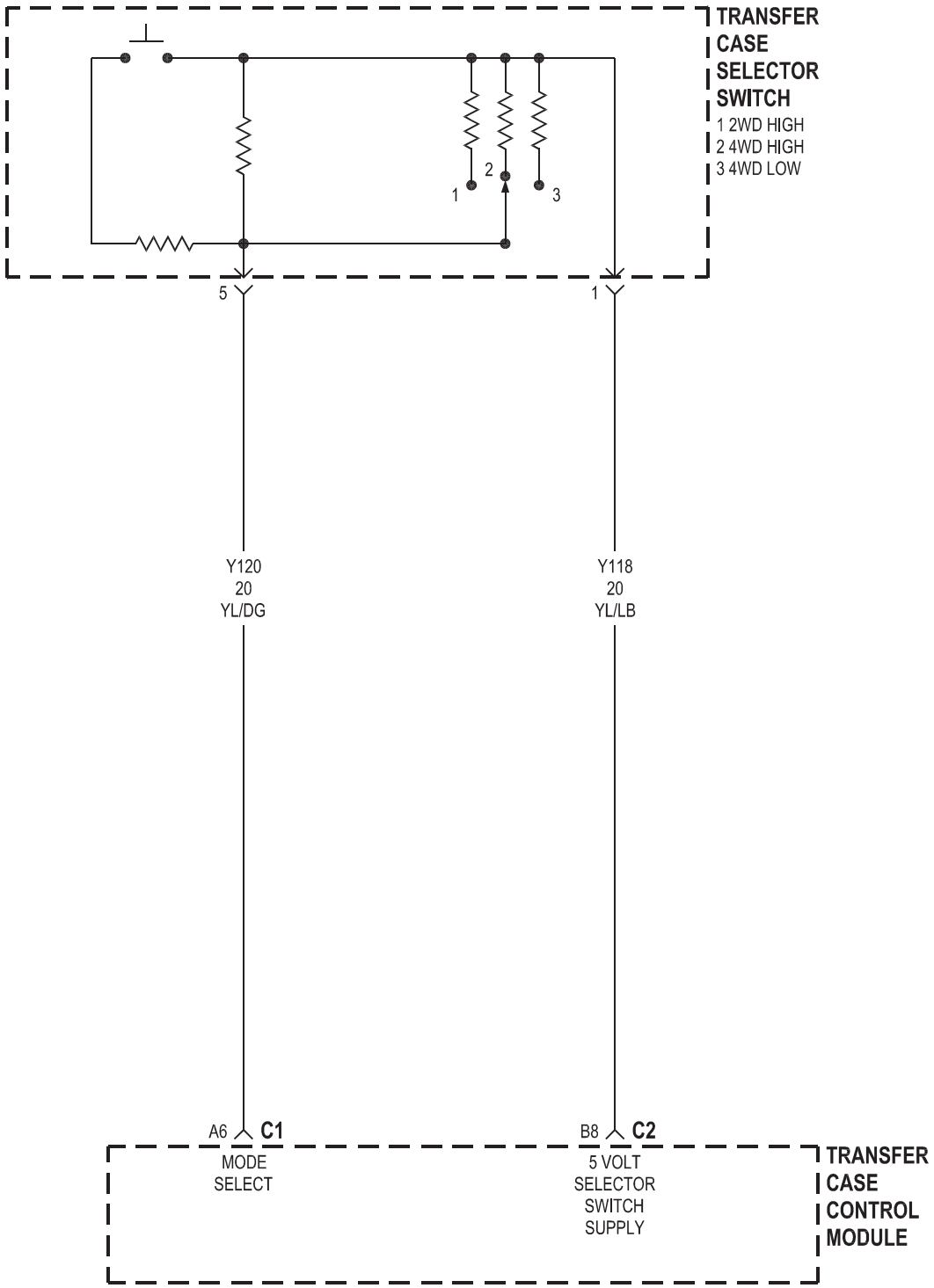
ELECTRONIC TRANSFER CASE EXCEPT 3.7L

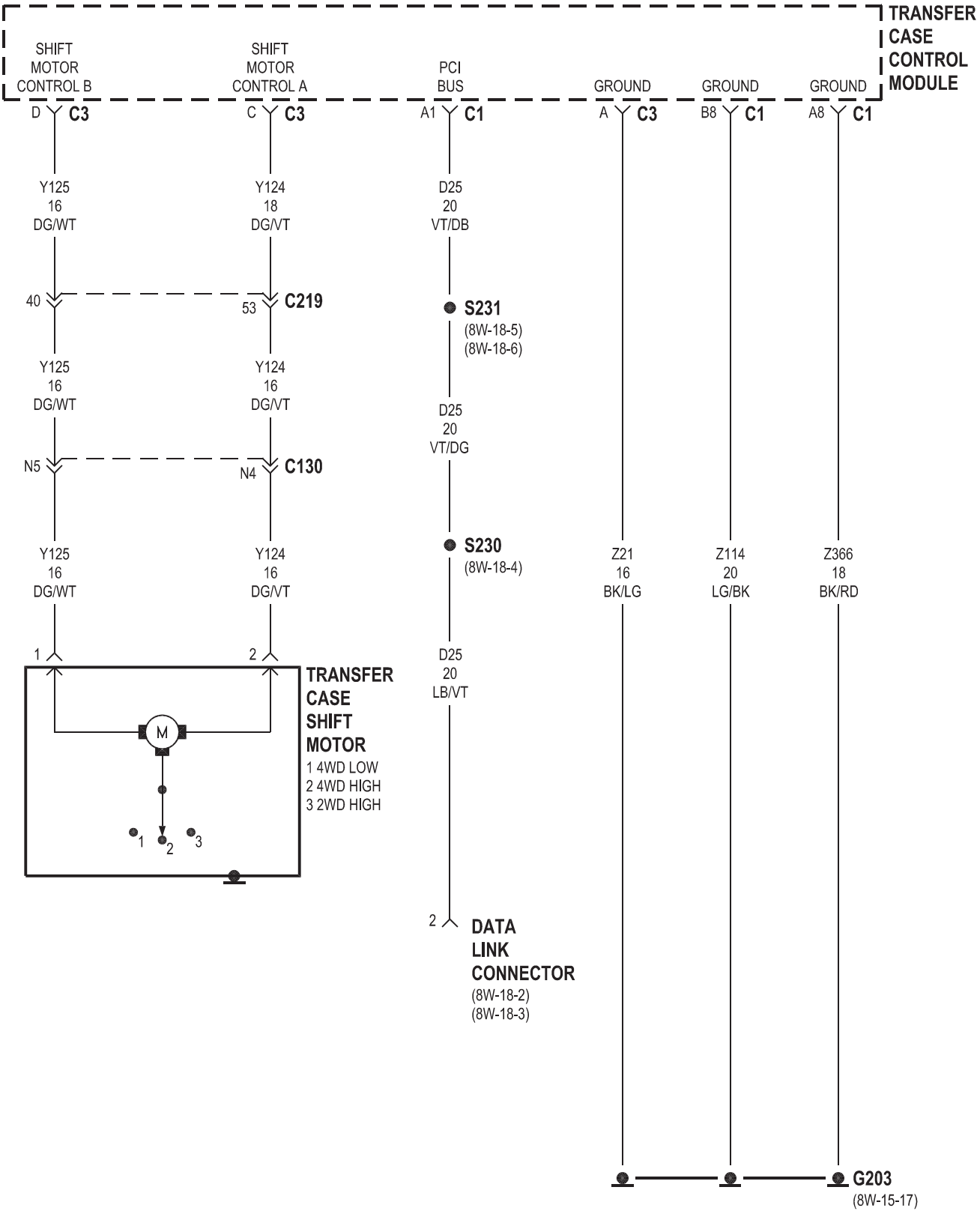


ELECTRONIC TRANSFER CASE EXCEPT 3.7L



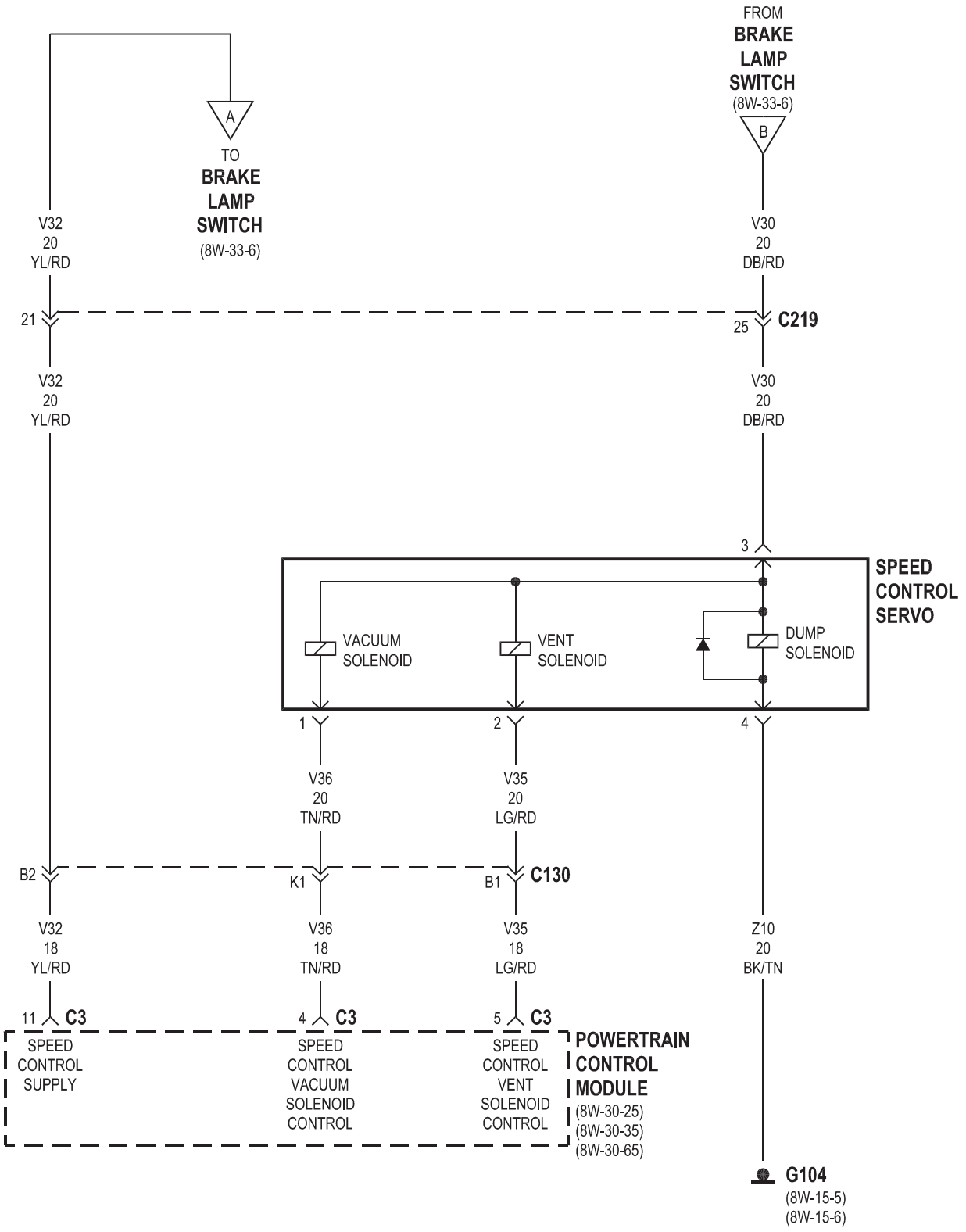

RUN-START A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 28 10A
(8W-10-45)
2 C1
Y107 20 VT/RD
20 C219
Y107 20 VT/RD
S205
(8W-10-45)
Y107 20 VT/RD
7
INSTRUMENT CLUSTER
(8W-40-13)
PAMEL LAMPS FEED
16 C3
Y189 20 OR/BK
6
TRANSFER CASE SELECTOR SWITCH
4WD HIGH LAMP
4WD LOW LAMP
NEUTRAL LAMP
DEFAULT LAMP
PANEL LAMP
9
8
4
2
11
Y123 20 DG/OR
Y122 20 DG/BR
Y121 20 YL/DG
Y187 20 RD
Z358 20 BK/YL
A5 C1
A4 C1
B4 C1
B5 C1
4WD HIGH INDICATOR
4WD LOW INDICATOR
NEUTRAL INDICATOR
2WD/ 4WD INDICATOR
TRANSFER CASE CONTROL MODULE
G201
(8W-15-13)

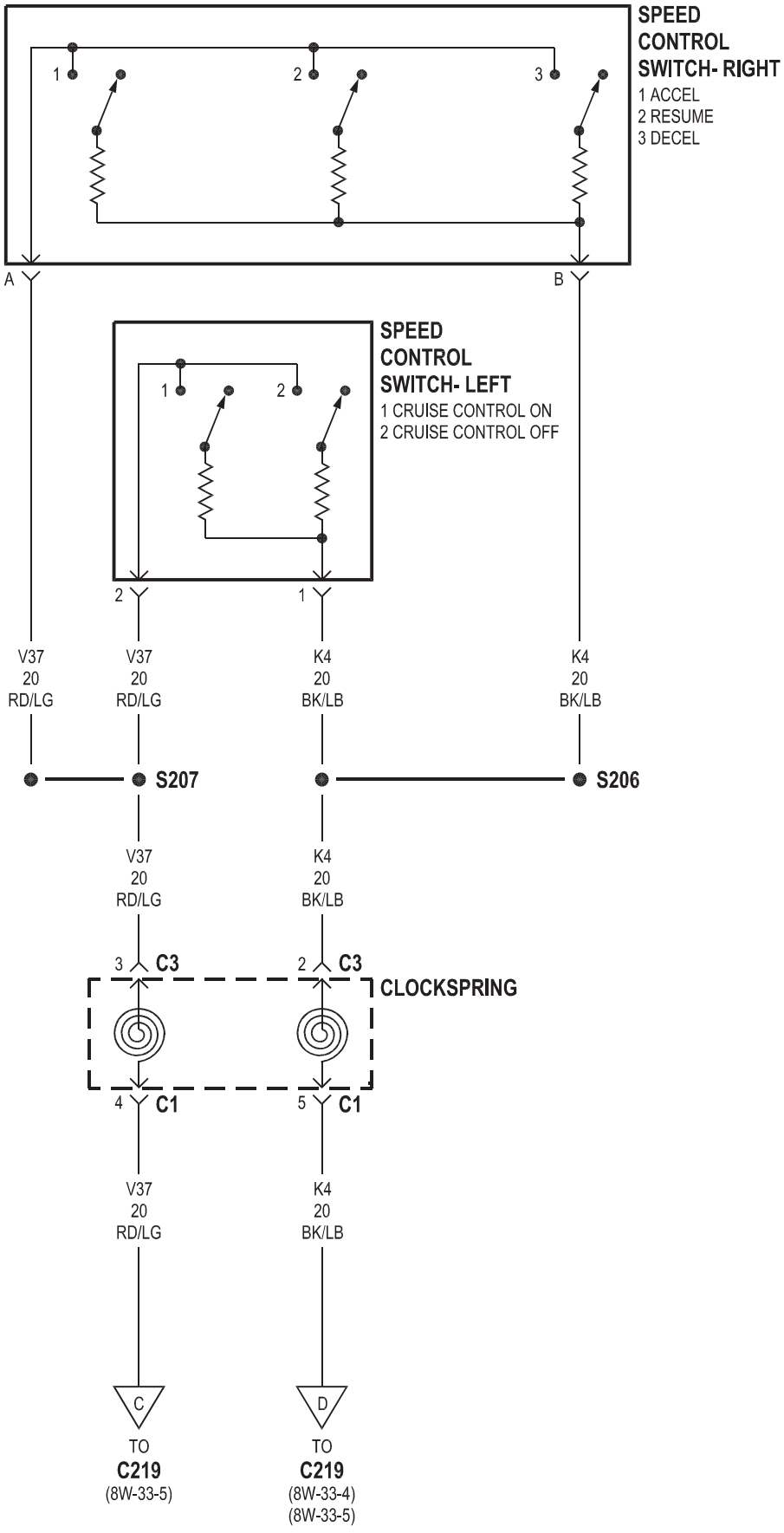

TRANSFER CASE SELECTOR SWITCH
1 2WD HIGH
2 4WD HIGH
3 4WD LOW
1
2
3
5
1
Y120
20
YL/DG
Y118
20
YL/LB
A6
C1
MODE SELECT
B8
C2
5 VOLT SELECTOR SWITCH SUPPLY
TRANSFER CASE CONTROL MODULE

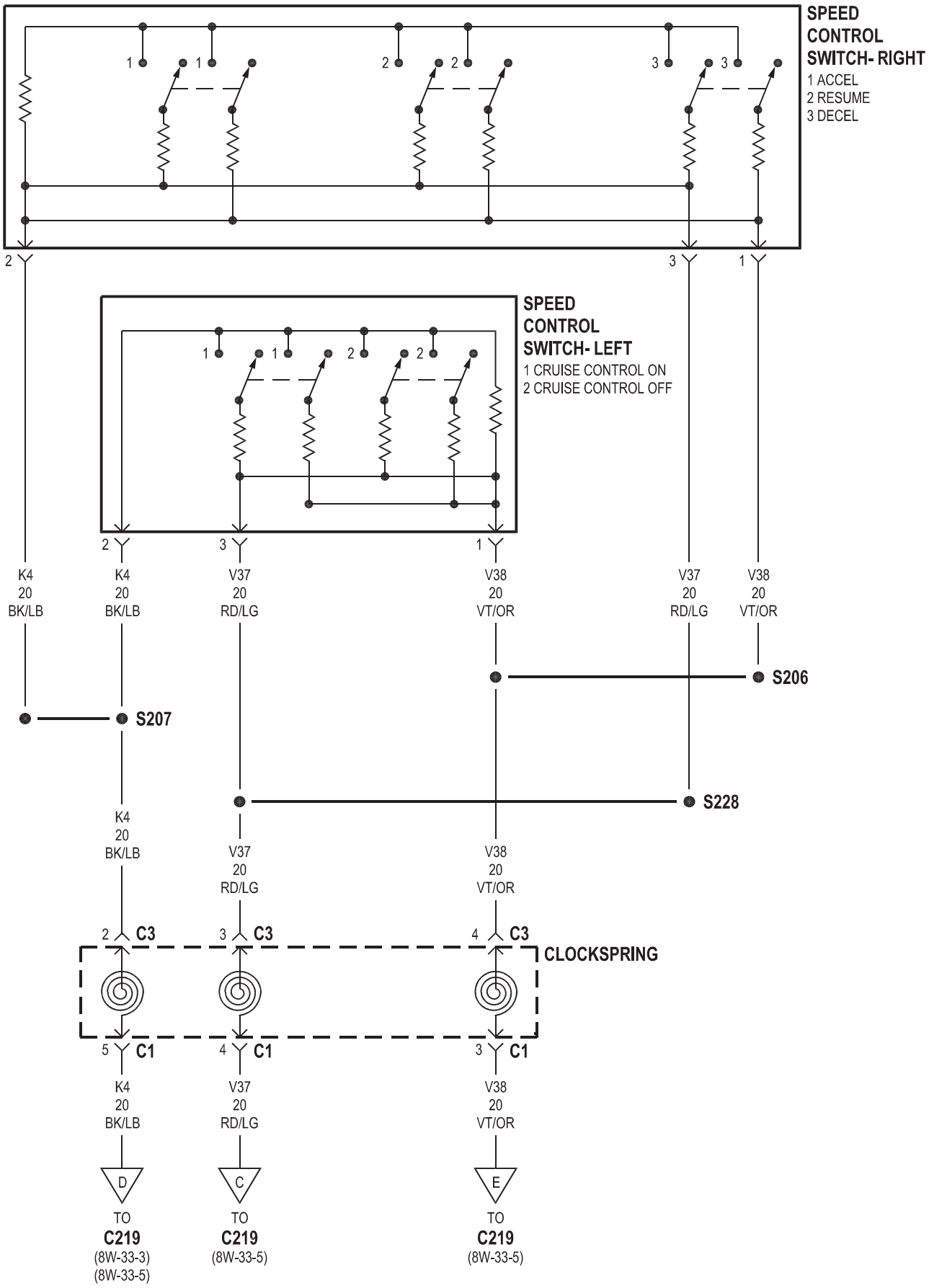

TRANSFER CASE CONTROL MODULE
SHIFT MOTOR CONTROL B
SHIFT MOTOR CONTROL A
PCI BUS
GROUND
GROUND
GROUND
D C3
C C3
A1 C1
A C3
B8 C1
A8 C1
Y125 16 DG/WT
Y124 18 DG/VT
D25 20 VT/DB
40
53 C219
S231
(8W-18-5)
(8W-18-6)
Y125 16 DG/WT
Y124 16 DG/VT
D25 20 VT/DG
N5
N4 C130
S230
(8W-18-4)
Y125 16 DG/WT
Y124 16 DG/VT
Z21 16 BK/LG
Z114 20 LG/BK
Z366 18 BK/RD
1
2
D25 20 LB/VT
TRANSFER CASE SHIFT MOTOR
1 4WD LOW
2 4WD HIGH
3 2WD HIGH
M
1
2
3
2
DATA LINK CONNECTOR
(8W-18-2)
(8W-18-3)
G203
(8W-15-17)

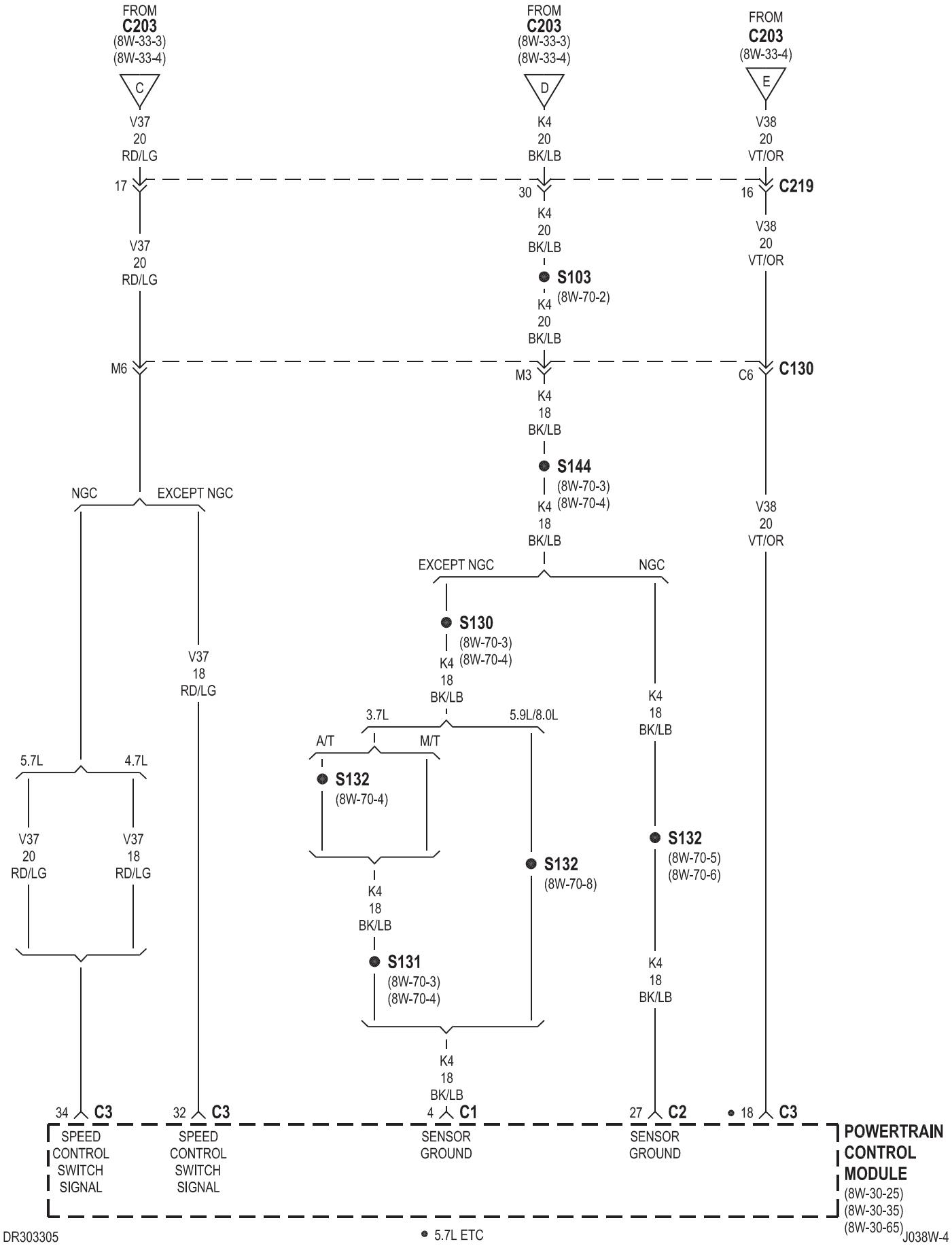
8W-33 VEHICLE SPEED CONTROL

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


FROM
BRAKE
LAMP
SWITCH
(8W-33-6)
B
A
TO
BRAKE
LAMP
SWITCH
(8W-33-6)
V32
20
YL/RD
V30
20
DB/RD
21
25
C219
V32
20
YL/RD
V30
20
DB/RD
3
SPEED
CONTROL
SERVO
VACUUM
SOLENOID
VENT
SOLENOID
DUMP
SOLENOID
1
2
4
V36
20
TN/RD
V35
20
LG/RD
B2
K1
B1
C130
V32
18
YL/RD
V36
18
TN/RD
V35
18
LG/RD
Z10
20
BK/TN
11
C3
4
C3
5
C3
SPEED
CONTROL
SUPPLY
SPEED
CONTROL
VACUUM
SOLENOID
CONTROL
SPEED
CONTROL
VENT
SOLENOID
CONTROL
POWERTRAIN
CONTROL
MODULE
(8W-30-25)
(8W-30-35)
(8W-30-65)
G104
(8W-15-5)
(8W-15-6)


SPEED CONTROL SWITCH- RIGHT
1 ACCEL
2 RESUME
3 DECEL
1
2
3
A
B
SPEED CONTROL SWITCH- LEFT
1 CRUISE CONTROL ON
2 CRUISE CONTROL OFF
1
2
2
1
V37 20 RD/LG
V37 20 RD/LG
K4 20 BK/LB
K4 20 BK/LB
S207
S206
V37 20 RD/LG
K4 20 BK/LB
3 C3
2 C3
CLOCKSPRING
4 C1
5 C1
V37 20 RD/LG
K4 20 BK/LB
C
D
TO C219 (8W-33-5)
TO C219 (8W-33-4) (8W-33-5)

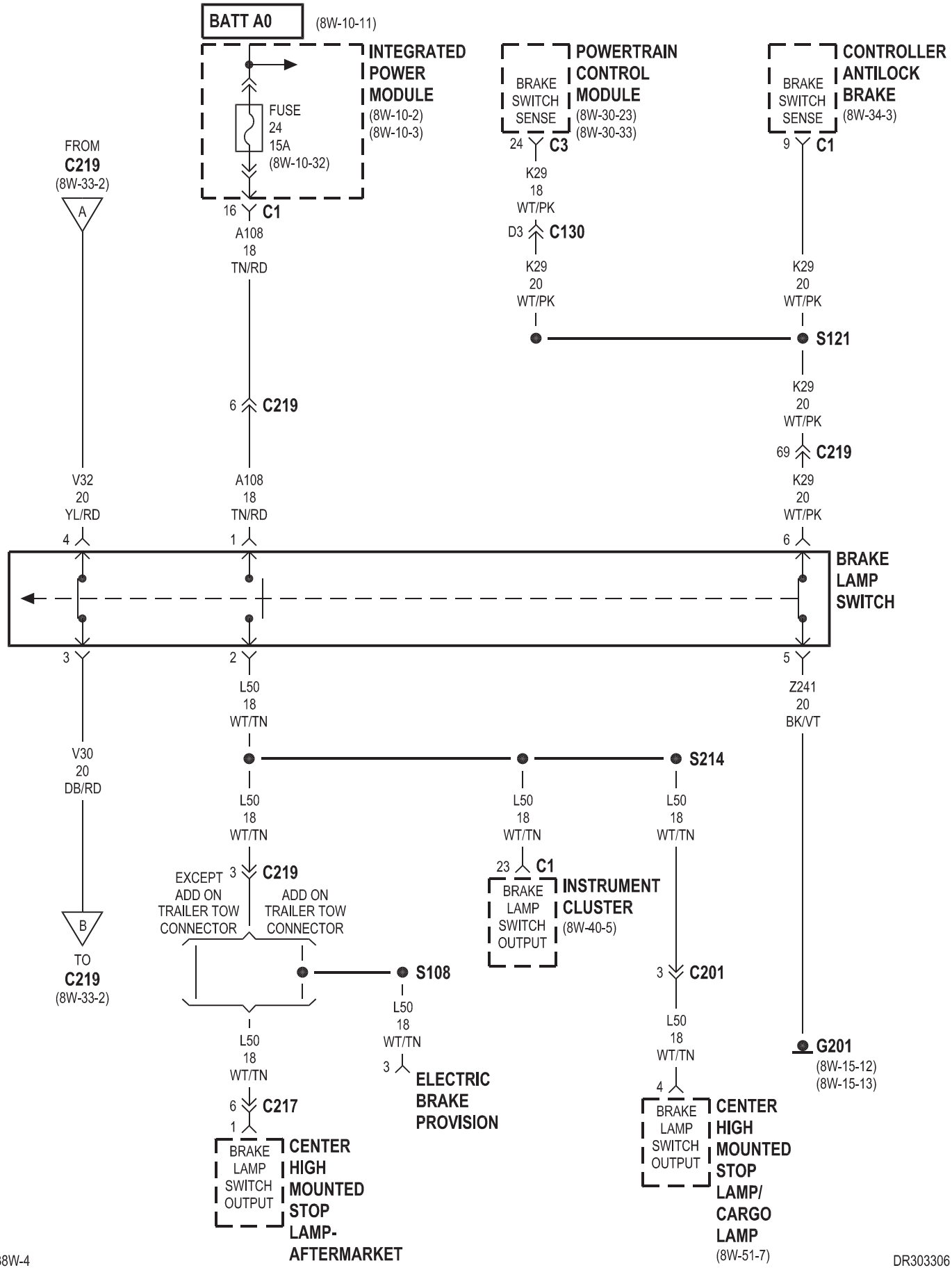

SPEED CONTROL SWITCH- RIGHT
1 ACCEL
2 RESUME
3 DECEL
SPEED CONTROL SWITCH- LEFT
1 CRUISE CONTROL ON
2 CRUISE CONTROL OFF
K4 20 BK/LB
V37 20 RD/LG
V38 20 VT/OR
S206
S207
S228
C3
CLOCKSPRING
C1
TO C219 (8W-33-3) (8W-33-5)
TO C219 (8W-33-5)
TO C219 (8W-33-5)



• 5.7L ETC

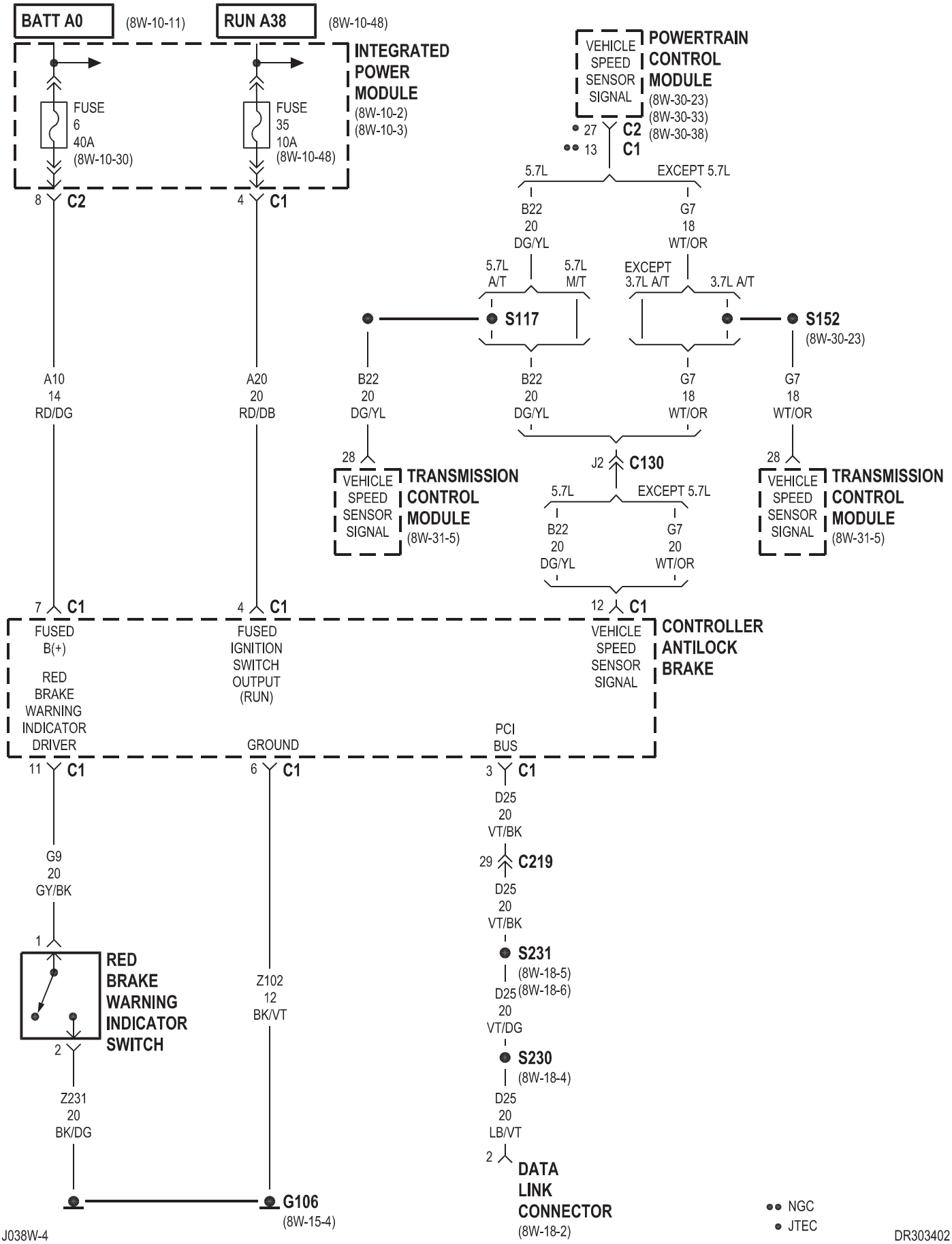
DR303305

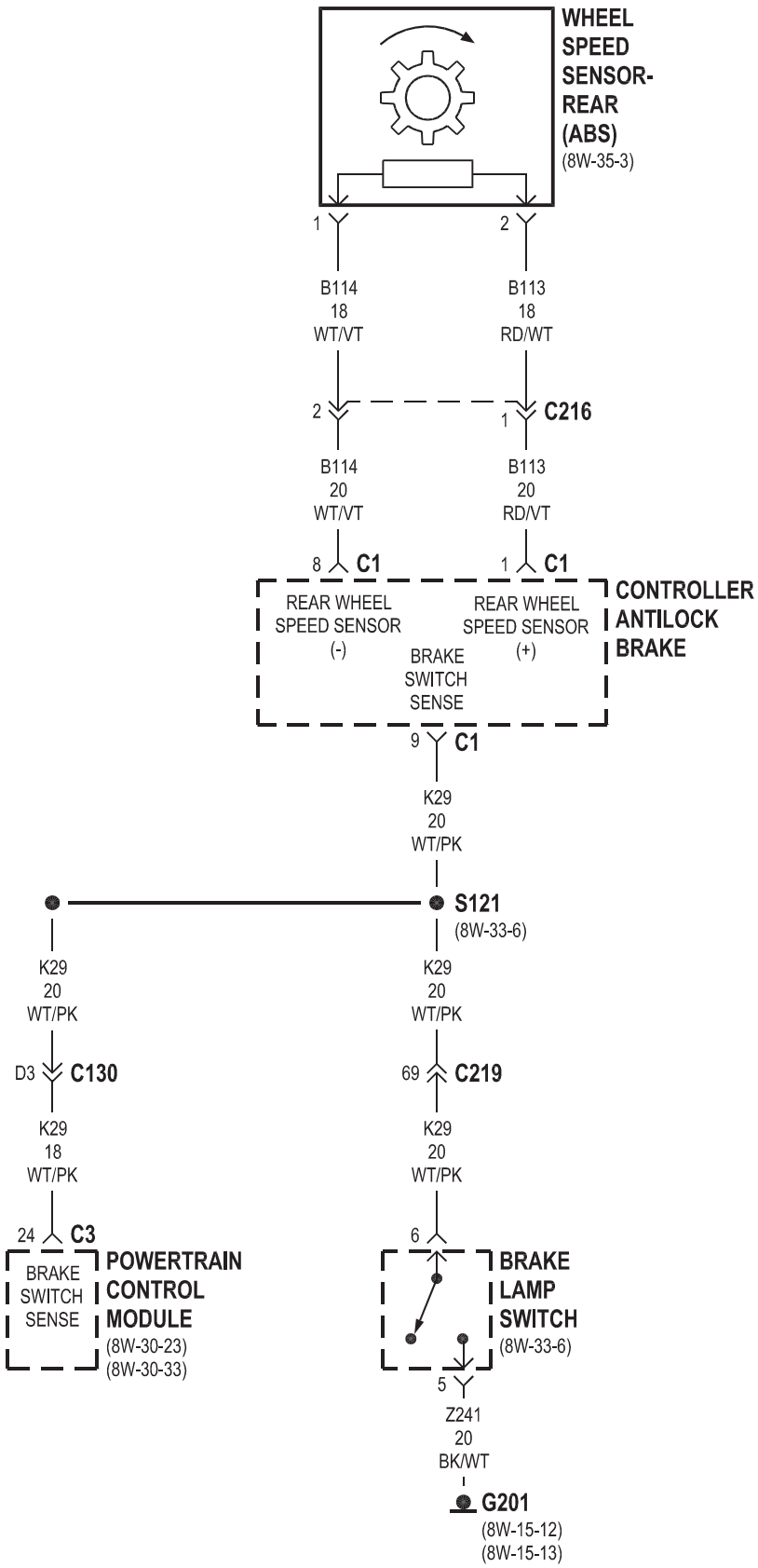
J038W-4


BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 24 15A
(8W-10-32)
16 C1
A108 18 TN/RD
POWERTRAIN CONTROL MODULE
(8W-30-23)
(8W-30-33)
BRAKE SWITCH SENSE
24 C3
K29 18 WT/PK
D3 C130
K29 20 WT/PK
CONTROLLER ANTILOCK BRAKE
(8W-34-3)
BRAKE SWITCH SENSE
9 C1
K29 20 WT/PK
S121
K29 20 WT/PK
69 C219
K29 20 WT/PK
6 C219
A108 18 TN/RD
FROM C219
(8W-33-2)
A
V32 20 YL/RD
4
1
6
BRAKE LAMP SWITCH
3
2
5
V30 20 DB/RD
L50 18 WT/TN
Z241 20 BK/VT
S214
L50 18 WT/TN
L50 18 WT/TN
L50 18 WT/TN
3 C219
EXCEPT ADD ON TRAILER TOW CONNECTOR
ADD ON TRAILER TOW CONNECTOR
23 C1
BRAKE LAMP SWITCH OUTPUT
INSTRUMENT CLUSTER
(8W-40-5)
3 C201
B
TO C219
(8W-33-2)
S108
L50 18 WT/TN
3
ELECTRIC BRAKE PROVISION
L50 18 WT/TN
L50 18 WT/TN
G201
(8W-15-12)
(8W-15-13)
6 C217
1
BRAKE LAMP SWITCH OUTPUT
CENTER HIGH MOUNTED STOP LAMP- AFTERMARKET
4
BRAKE LAMP SWITCH OUTPUT
CENTER HIGH MOUNTED STOP LAMP/ CARGO LAMP
(8W-51-7)

8W-34 REAR WHEEL ANTILOCK BRAKES

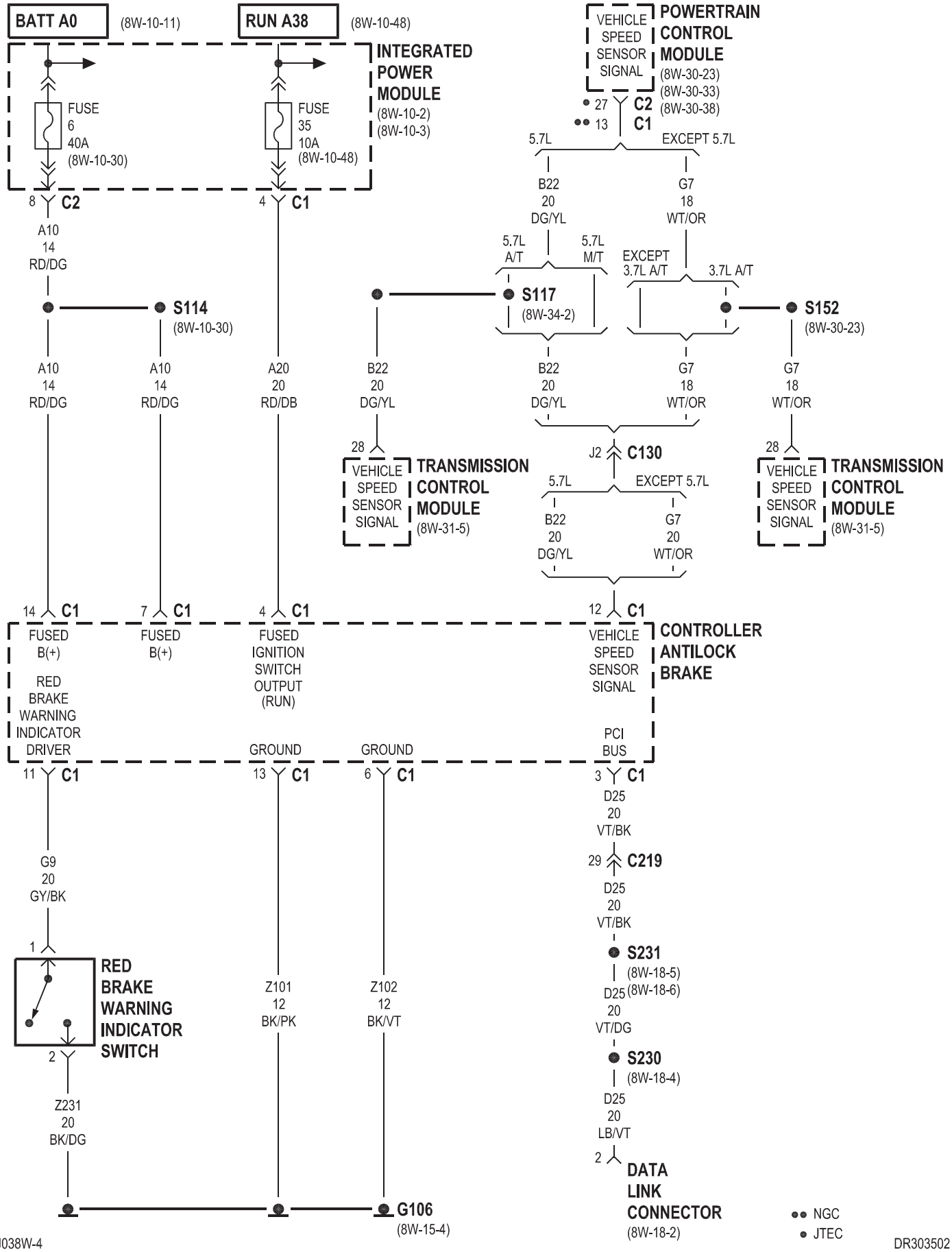
Component	Page
Brake Lamp Switch	8W-34-3
Controller Antilock Brake	8W-34-2, 3
Data Link Connector	8W-34-2
Fuse 6	8W-34-2
Fuse 35	8W-34-2
G106	8W-34-2
G201	8W-34-3
Integrated Power Module	8W-34-2
Powertrain Control Module	8W-34-2, 3
Red Brake Warning Indicator Switch	8W-34-2
Transmission Control Module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

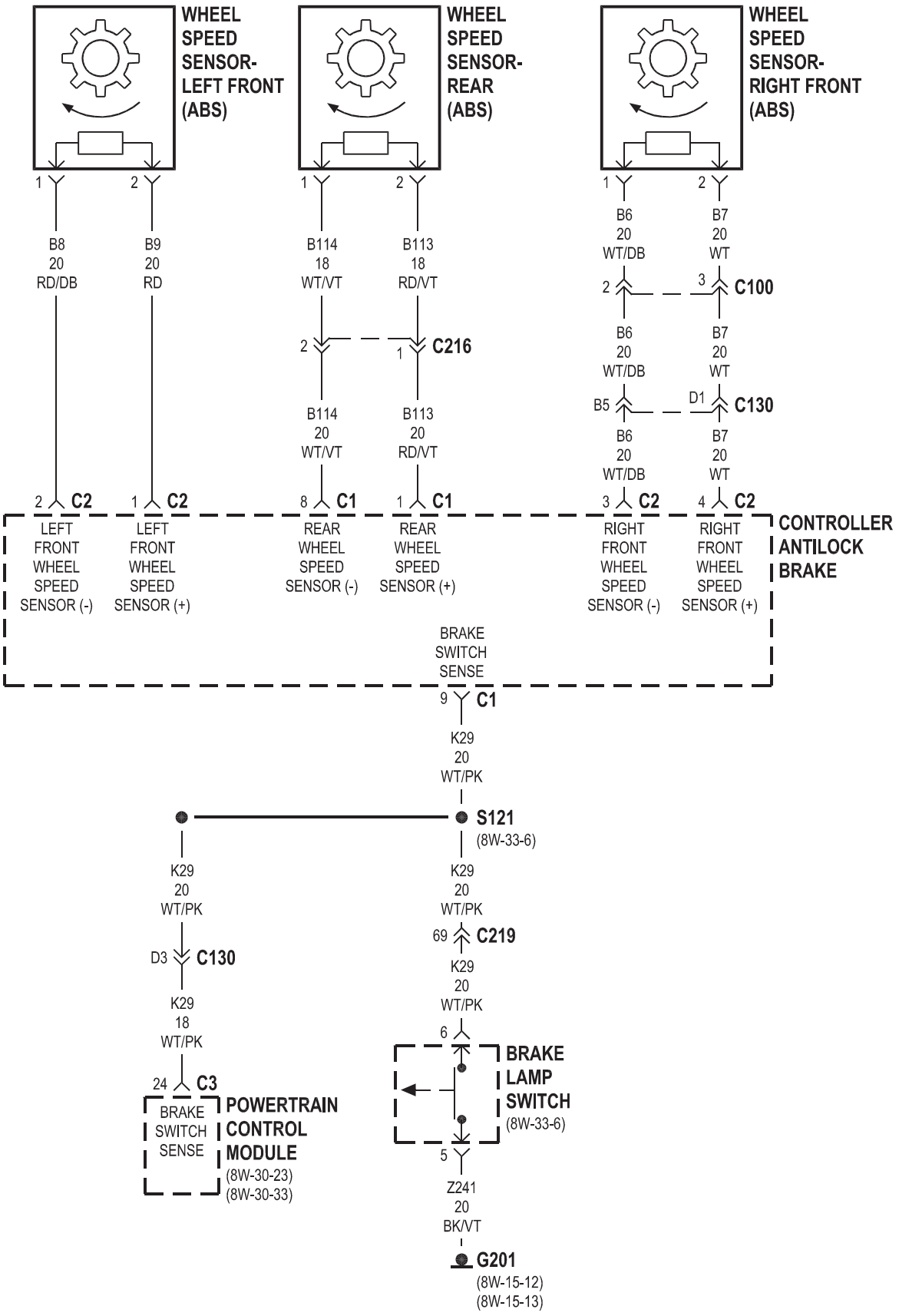

BATT A0
(8W-10-11)
RUN A38
(8W-10-48)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 6 40A (8W-10-30)
FUSE 35 10A (8W-10-48)
8 C2
4 C1
VEHICLE SPEED SENSOR SIGNAL
POWERTRAIN CONTROL MODULE
(8W-30-23)
(8W-30-33)
(8W-30-38)
27 C2
13 C1
5.7L
EXCEPT 5.7L
B22 20 DG/YL
G7 18 WT/OR
5.7L A/T
5.7L M/T
EXCEPT 3.7L A/T
3.7L A/T
S117
S152
(8W-30-23)
A10 14 RD/DG
A20 20 RD/DB
B22 20 DG/YL
B22 20 DG/YL
G7 18 WT/OR
G7 18 WT/OR
28
VEHICLE SPEED SENSOR SIGNAL
TRANSMISSION CONTROL MODULE
(8W-31-5)
J2 C130
5.7L
EXCEPT 5.7L
B22 20 DG/YL
G7 20 WT/OR
12 C1
7 C1
4 C1
FUSED B(+)
FUSED IGNITION SWITCH OUTPUT (RUN)
VEHICLE SPEED SENSOR SIGNAL
CONTROLLER ANTILOCK BRAKE
RED BRAKE WARNING INDICATOR DRIVER
GROUND
PCI BUS
11 C1
6 C1
3 C1
G9 20 GY/BK
D25 20 VT/BK
29 C219
D25 20 VT/BK
S231
(8W-18-5)
(8W-18-6)
D25 20 VT/DG
S230
(8W-18-4)
D25 20 LB/VT
1
2
RED BRAKE WARNING INDICATOR SWITCH
Z231 20 BK/DG
Z102 12 BK/VT
2
DATA LINK CONNECTOR
(8W-18-2)
G106
(8W-15-4)
NGC
JTEC


WHEEL SPEED SENSOR- REAR (ABS)
(8W-35-3)
1
2
B114 18 WT/VT
B113 18 RD/WT
2
1
C216
B114 20 WT/VT
B113 20 RD/VT
8 C1
1 C1
REAR WHEEL SPEED SENSOR (-)
REAR WHEEL SPEED SENSOR (+)
BRAKE SWITCH SENSE
CONTROLLER ANTILOCK BRAKE
9 C1
K29 20 WT/PK
S121
(8W-33-6)
K29 20 WT/PK
K29 20 WT/PK
D3 C130
69 C219
K29 18 WT/PK
K29 20 WT/PK
24 C3
6
BRAKE SWITCH SENSE
POWERTRAIN CONTROL MODULE
(8W-30-23)
(8W-30-33)
BRAKE LAMP SWITCH
(8W-33-6)
5
Z241 20 BK/WT
G201
(8W-15-12)
(8W-15-13)

8W-35 ALL WHEEL ANTILOCK BRAKES

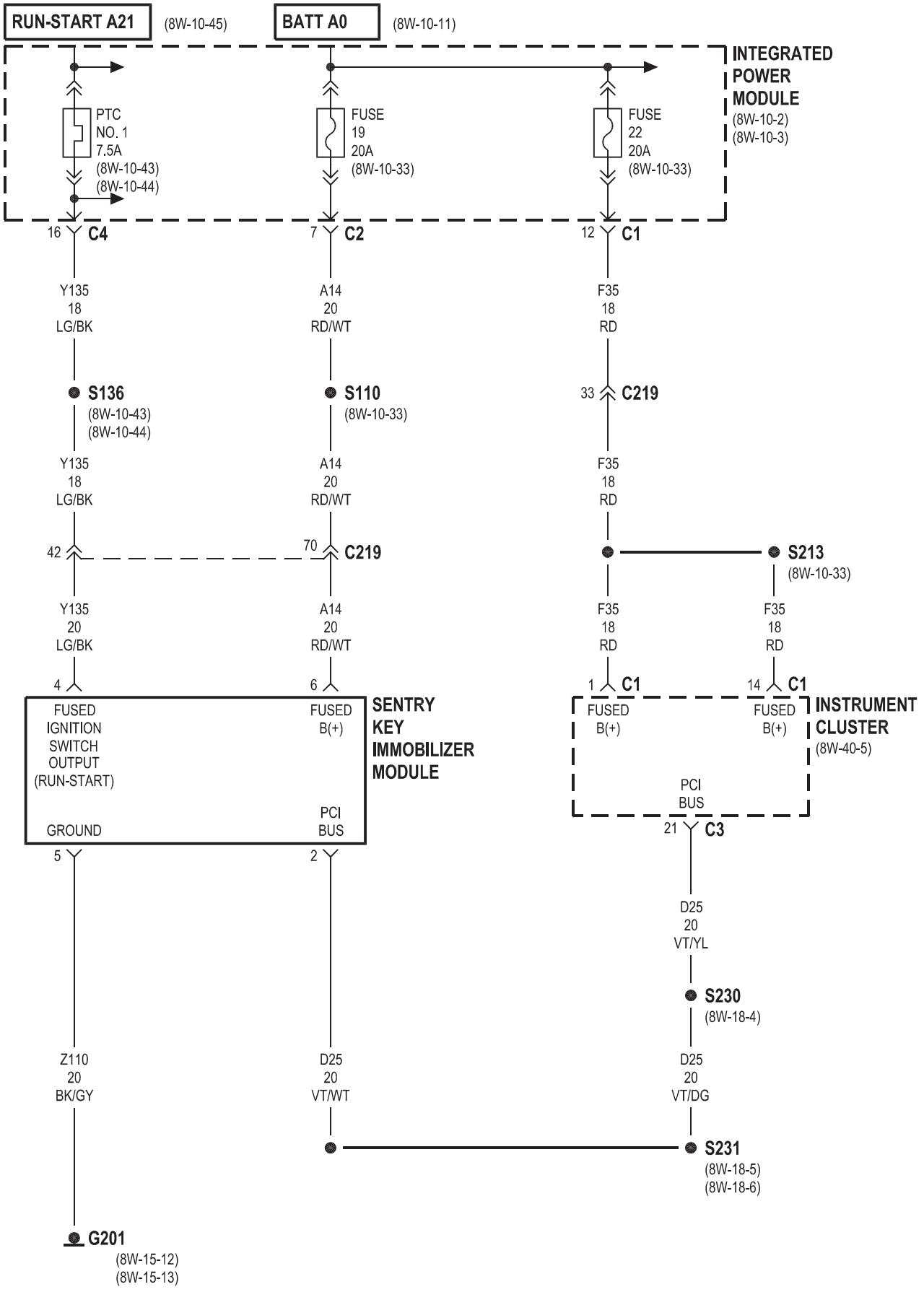
Component	Page
Brake Lamp Switch	8W-35-3
Controller Antilock Brake	8W-35-2, 3
Data Link Connector	8W-35-2
Fuse 6	8W-35-2
Fuse 35	8W-35-2
G106	8W-35-2
G201	8W-35-3
Integrated Power Module	8W-35-2
Powertrain Control Module	8W-35-2, 3
Red Brake Warning Indicator Switch	8W-35-2
Transmission Control Module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

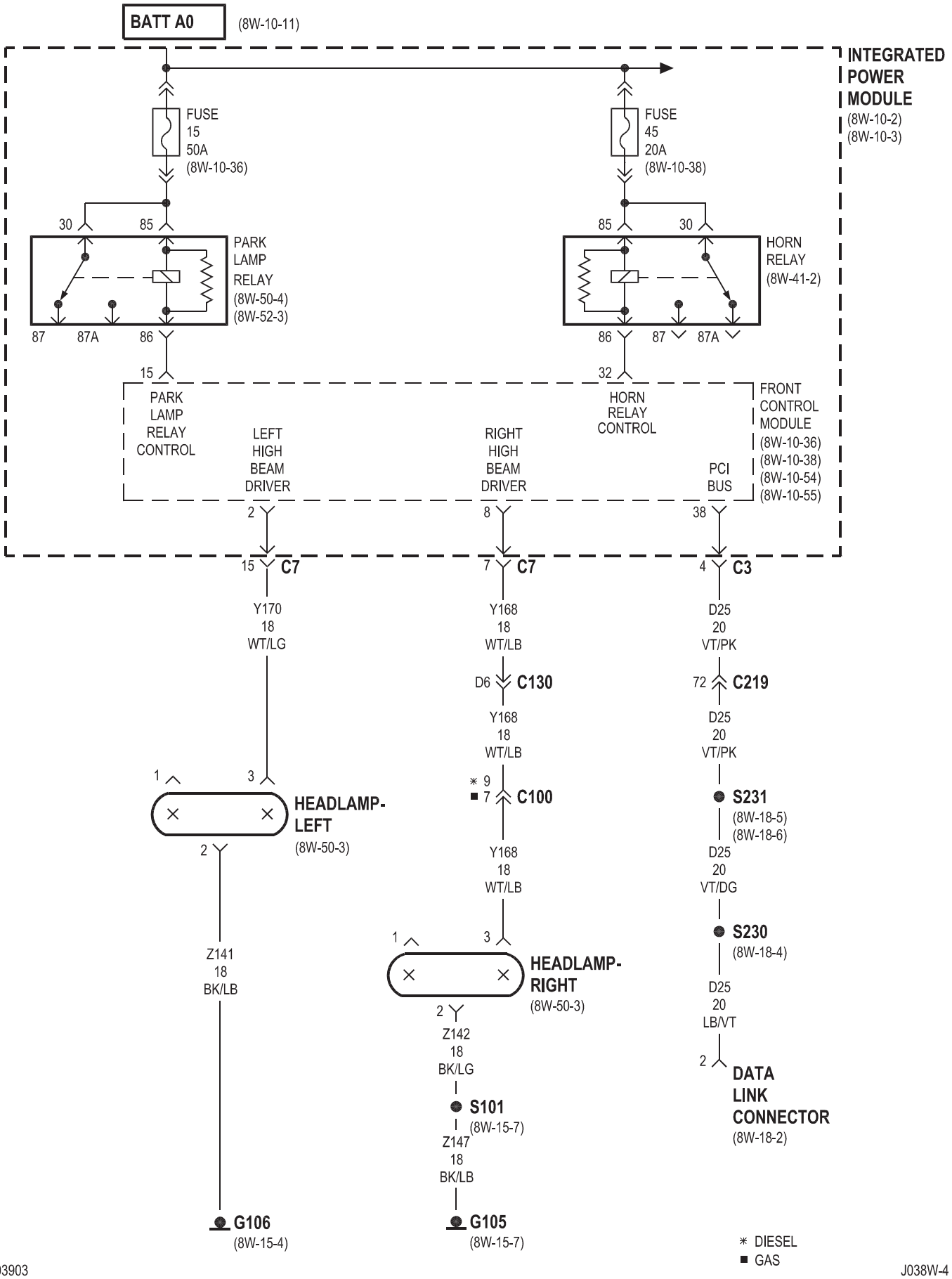

BATT A0
(8W-10-11)
RUN A38
(8W-10-48)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 6 40A (8W-10-30)
FUSE 35 10A (8W-10-48)
8 C2
4 C1
A10 14 RD/DG
S114
(8W-10-30)
A10 14 RD/DG
A10 14 RD/DG
A20 20 RD/DB
B22 20 DG/YL
28
VEHICLE SPEED SENSOR SIGNAL
TRANSMISSION CONTROL MODULE
(8W-31-5)
VEHICLE SPEED SENSOR SIGNAL
POWERTRAIN CONTROL MODULE
(8W-30-23)
(8W-30-33)
(8W-30-38)
27 C2
13 C1
5.7L
EXCEPT 5.7L
B22 20 DG/YL
G7 18 WT/OR
5.7L A/T
5.7L M/T
S117
(8W-34-2)
EXCEPT 3.7L A/T
3.7L A/T
S152
(8W-30-23)
B22 20 DG/YL
G7 18 WT/OR
G7 18 WT/OR
J2 C130
5.7L
EXCEPT 5.7L
B22 20 DG/YL
G7 20 WT/OR
28
VEHICLE SPEED SENSOR SIGNAL
TRANSMISSION CONTROL MODULE
(8W-31-5)
14 C1
7 C1
4 C1
12 C1
FUSED B(+)
FUSED B(+)
FUSED IGNITION SWITCH OUTPUT (RUN)
VEHICLE SPEED SENSOR SIGNAL
CONTROLLER ANTILOCK BRAKE
RED BRAKE WARNING INDICATOR DRIVER
GROUND
GROUND
PCI BUS
11 C1
13 C1
6 C1
3 C1
G9 20 GY/BK
1
RED BRAKE WARNING INDICATOR SWITCH
2
Z231 20 BK/DG
Z101 12 BK/PK
Z102 12 BK/VT
D25 20 VT/BK
29 C219
D25 20 VT/BK
S231
(8W-18-5)
(8W-18-6)
D25 20 VT/DG
S230
(8W-18-4)
D25 20 LB/VT
2
DATA LINK CONNECTOR
(8W-18-2)
G106
(8W-15-4)
NGC
JTEC

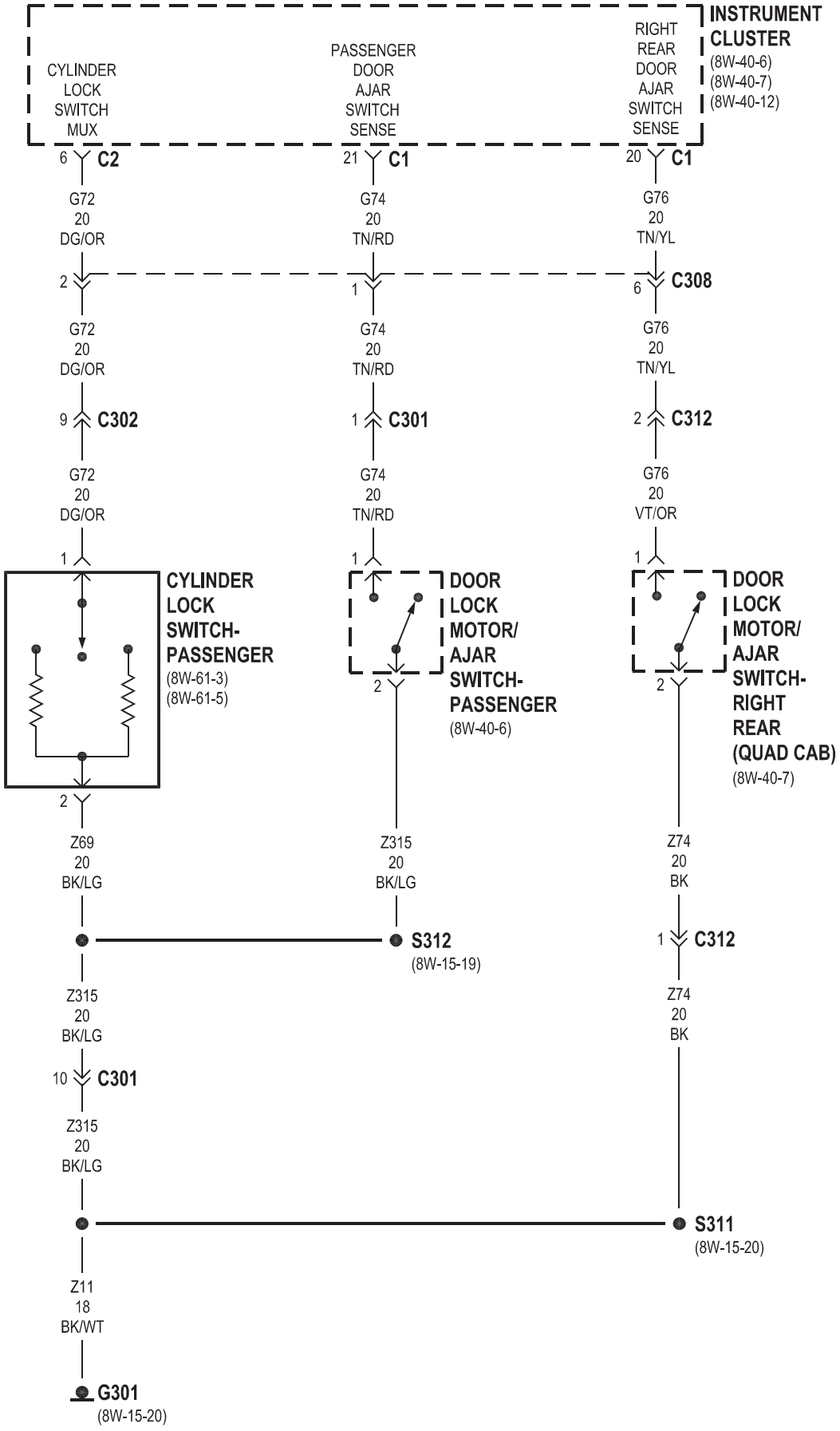

WHEEL SPEED SENSOR- LEFT FRONT (ABS)
WHEEL SPEED SENSOR- REAR (ABS)
WHEEL SPEED SENSOR- RIGHT FRONT (ABS)
1
2
B8 20 RD/DB
B9 20 RD
B114 18 WT/VT
B113 18 RD/VT
C216
B6 20 WT/DB
B7 20 WT
C100
C130
B5
D1
B114 20 WT/VT
B113 20 RD/VT
2 C2
1 C2
8 C1
1 C1
3 C2
4 C2
LEFT FRONT WHEEL SPEED SENSOR (-)
LEFT FRONT WHEEL SPEED SENSOR (+)
REAR WHEEL SPEED SENSOR (-)
REAR WHEEL SPEED SENSOR (+)
RIGHT FRONT WHEEL SPEED SENSOR (-)
RIGHT FRONT WHEEL SPEED SENSOR (+)
CONTROLLER ANTILOCK BRAKE
BRAKE SWITCH SENSE
9 C1
K29 20 WT/PK
S121
(8W-33-6)
K29 18 WT/PK
D3 C130
24 C3
BRAKE SWITCH SENSE
POWERTRAIN CONTROL MODULE
(8W-30-23)
(8W-30-33)
69 C219
6
5
BRAKE LAMP SWITCH
(8W-33-6)
Z241 20 BK/VT
G201
(8W-15-12)
(8W-15-13)

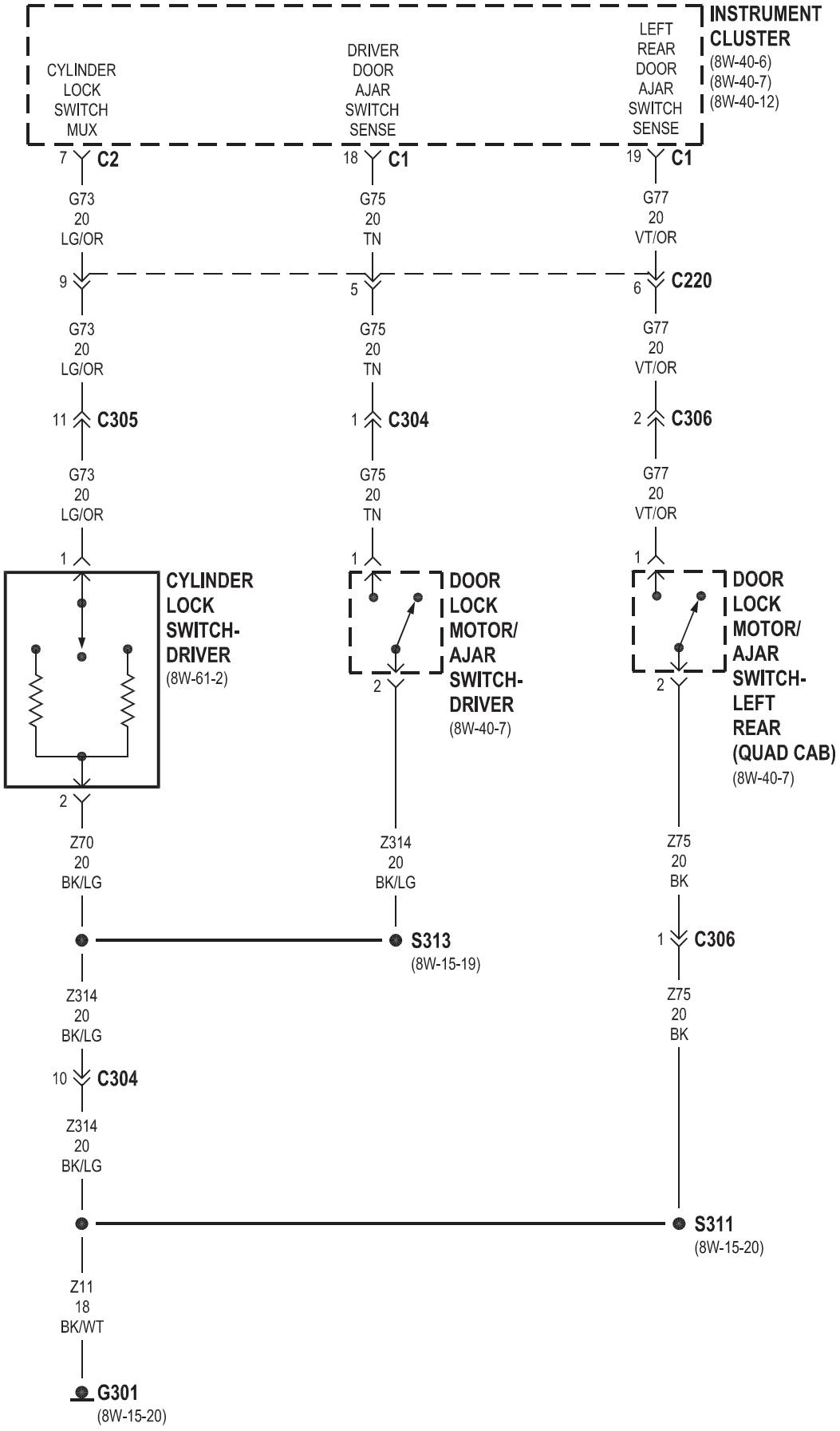
8W-39 VEHICLE THEFT SECURITY SYSTEM

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


RUN-START A21
(8W-10-45)
BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 1 7.5A
(8W-10-43)
(8W-10-44)
FUSE 19 20A
(8W-10-33)
FUSE 22 20A
(8W-10-33)
16 C4
7 C2
12 C1
Y135 18 LG/BK
A14 20 RD/WT
F35 18 RD
S136
(8W-10-43)
(8W-10-44)
S110
(8W-10-33)
33 C219
Y135 18 LG/BK
A14 20 RD/WT
F35 18 RD
42
70 C219
S213
(8W-10-33)
Y135 20 LG/BK
A14 20 RD/WT
F35 18 RD
F35 18 RD
4
6
1 C1
14 C1
FUSED IGNITION SWITCH OUTPUT (RUN-START)
FUSED B(+)
SENTRY KEY IMMOBILIZER MODULE
FUSED B(+)
FUSED B(+)
INSTRUMENT CLUSTER
(8W-40-5)
PCI BUS
21 C3
GROUND
PCI BUS
5
2
D25 20 VT/YL
S230
(8W-18-4)
Z110 20 BK/GY
D25 20 VT/WT
D25 20 VT/DG
S231
(8W-18-5)
(8W-18-6)
G201
(8W-15-12)
(8W-15-13)

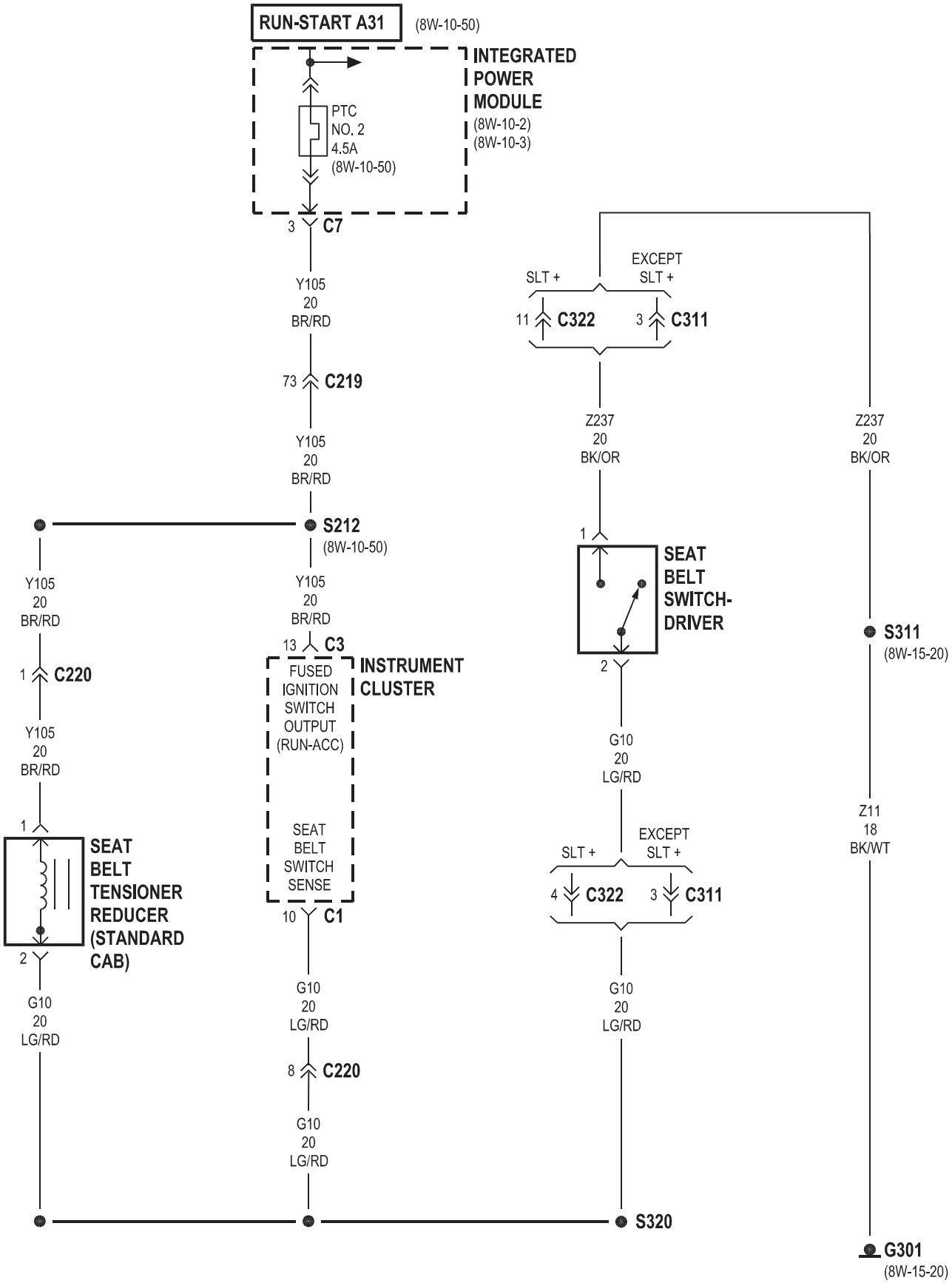

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 15 50A (8W-10-36)
FUSE 45 20A (8W-10-38)
30 85
PARK LAMP RELAY (8W-50-4) (8W-52-3)
87 87A 86
85 30
HORN RELAY (8W-41-2)
86 87 87A
15
32
PARK LAMP RELAY CONTROL
HORN RELAY CONTROL
FRONT CONTROL MODULE (8W-10-36) (8W-10-38) (8W-10-54) (8W-10-55)
LEFT HIGH BEAM DRIVER
RIGHT HIGH BEAM DRIVER
PCI BUS
2
8
38
15 C7
7 C7
4 C3
Y170 18 WT/LG
Y168 18 WT/LB
D25 20 VT/PK
D6 C130
72 C219
Y168 18 WT/LB
D25 20 VT/PK
* 9
■ 7 C100
S231 (8W-18-5) (8W-18-6)
1 3
HEADLAMP-LEFT (8W-50-3)
2
Y168 18 WT/LB
D25 20 VT/DG
S230 (8W-18-4)
Z141 18 BK/LB
1 3
HEADLAMP-RIGHT (8W-50-3)
2
Z142 18 BK/LG
D25 20 LB/VT
2
DATA LINK CONNECTOR (8W-18-2)
S101 (8W-15-7)
Z147 18 BK/LB
G106 (8W-15-4)
G105 (8W-15-7)
* DIESEL
■ GAS

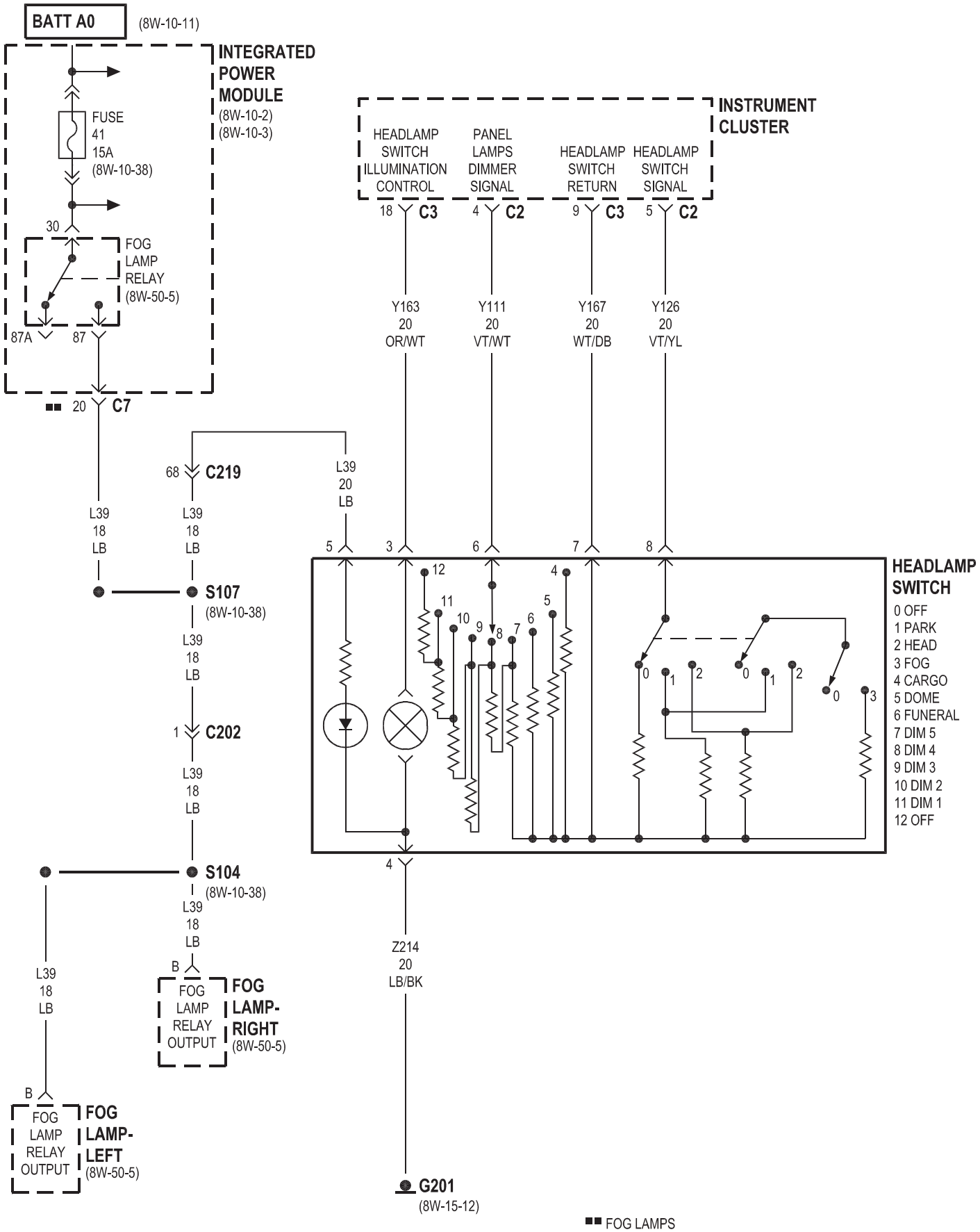

INSTRUMENT CLUSTER
(8W-40-6)
(8W-40-7)
(8W-40-12)
CYLINDER LOCK SWITCH MUX
PASSENGER DOOR AJAR SWITCH SENSE
RIGHT REAR DOOR AJAR SWITCH SENSE
6 C2
21 C1
20 C1
G72 20 DG/OR
G74 20 TN/RD
G76 20 TN/YL
2
1
6 C308
G72 20 DG/OR
G74 20 TN/RD
G76 20 TN/YL
9 C302
1 C301
2 C312
G72 20 DG/OR
G74 20 TN/RD
G76 20 VT/OR
1
1
1
CYLINDER LOCK SWITCH-PASSENGER
(8W-61-3)
(8W-61-5)
DOOR LOCK MOTOR/ AJAR SWITCH-PASSENGER
(8W-40-6)
DOOR LOCK MOTOR/ AJAR SWITCH-RIGHT REAR (QUAD CAB)
(8W-40-7)
2
2
2
Z69 20 BK/LG
Z315 20 BK/LG
Z74 20 BK
S312
(8W-15-19)
1 C312
Z315 20 BK/LG
Z74 20 BK
10 C301
Z315 20 BK/LG
S311
(8W-15-20)
Z11 18 BK/WT
G301
(8W-15-20)

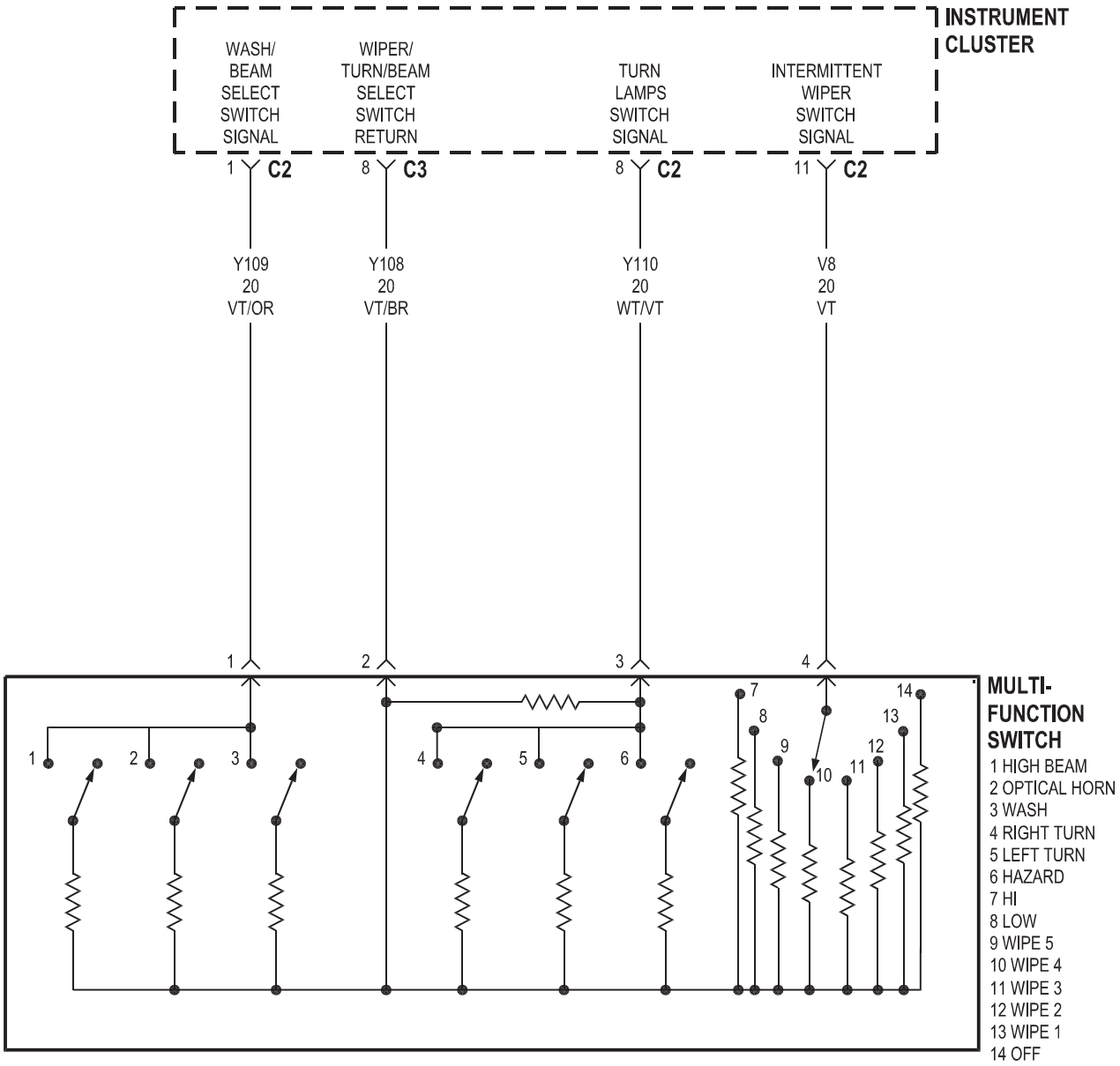

INSTRUMENT CLUSTER
(8W-40-6)
(8W-40-7)
(8W-40-12)
CYLINDER LOCK SWITCH MUX
DRIVER DOOR AJAR SWITCH SENSE
LEFT REAR DOOR AJAR SWITCH SENSE
7 C2
18 C1
19 C1
G73 20 LG/OR
G75 20 TN
G77 20 VT/OR
9
5
6 C220
G73 20 LG/OR
G75 20 TN
G77 20 VT/OR
11 C305
1 C304
2 C306
G73 20 LG/OR
G75 20 TN
G77 20 VT/OR
1
1
1
CYLINDER LOCK SWITCH-DRIVER
(8W-61-2)
DOOR LOCK MOTOR/ AJAR SWITCH-DRIVER
(8W-40-7)
DOOR LOCK MOTOR/ AJAR SWITCH-LEFT REAR (QUAD CAB)
(8W-40-7)
2
2
2
Z70 20 BK/LG
Z314 20 BK/LG
Z75 20 BK
S313
(8W-15-19)
1 C306
Z314 20 BK/LG
Z75 20 BK
10 C304
Z314 20 BK/LG
S311
(8W-15-20)
Z11 18 BK/WT
G301
(8W-15-20)

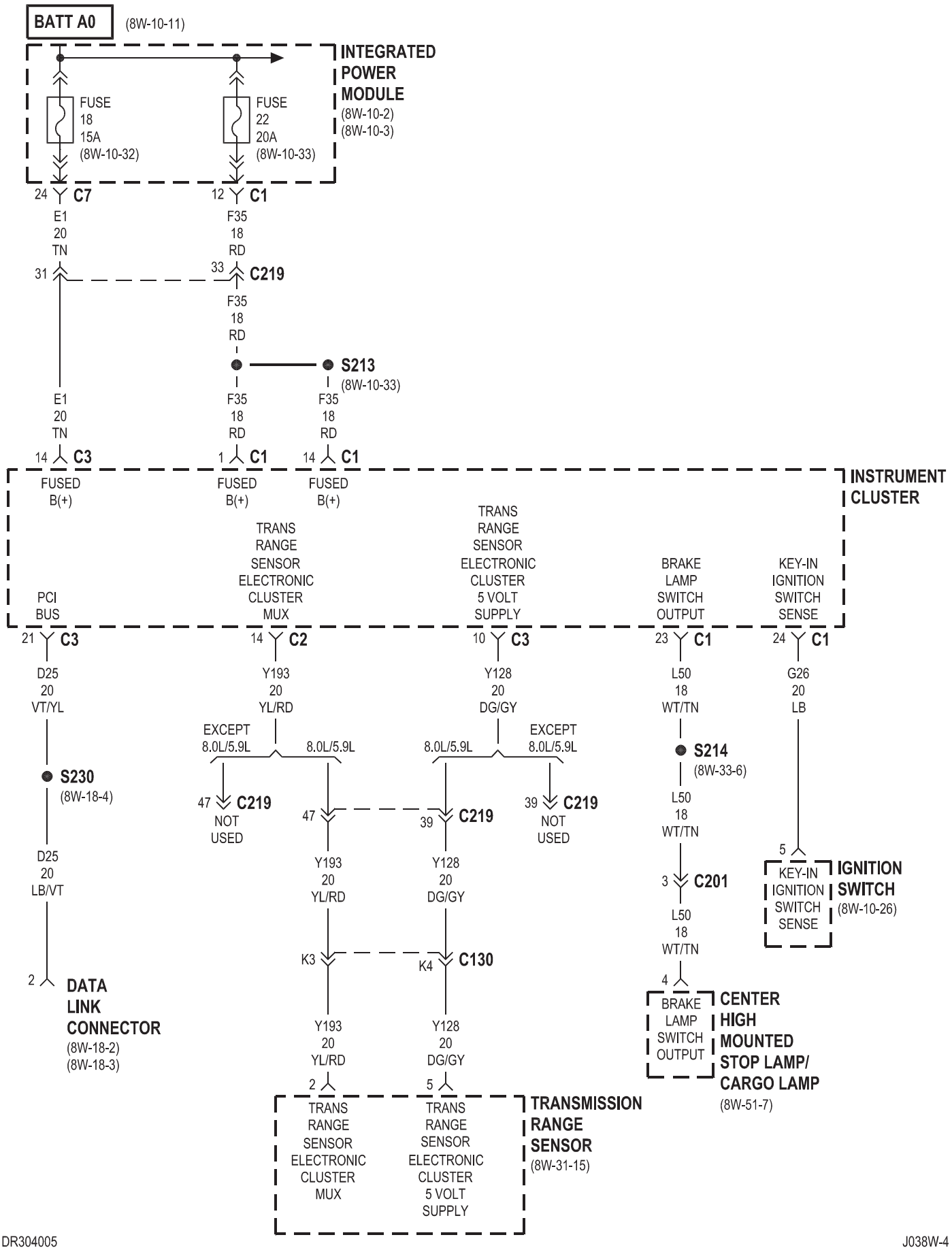
8W-40 INSTRUMENT CLUSTER

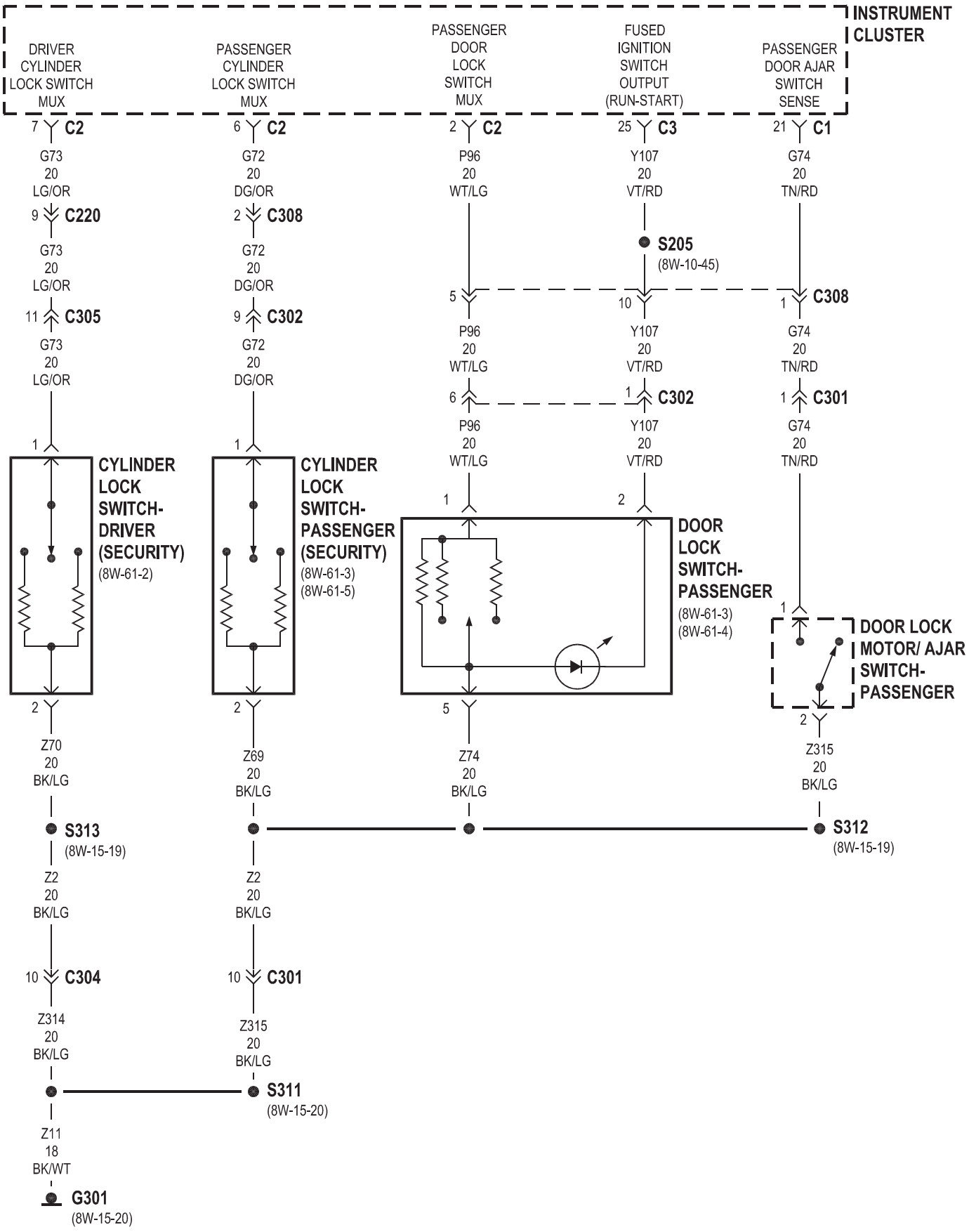
Component	Page
A/C-Heater Control	8W-40-11
Brake Transmission Shift Interlock Solenoid	8W-40-10
Center High Mounted Stop Lamp/Cargo Lamp	8W-40-5, 11
Clockspring	8W-40-10, 13
Cylinder Lock Switch- Driver	8W-40-6
Cylinder Lock Switch- Passenger	8W-40-6
Data Link Connector	8W-40-5
Dome Lamp	8W-40-11
Door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

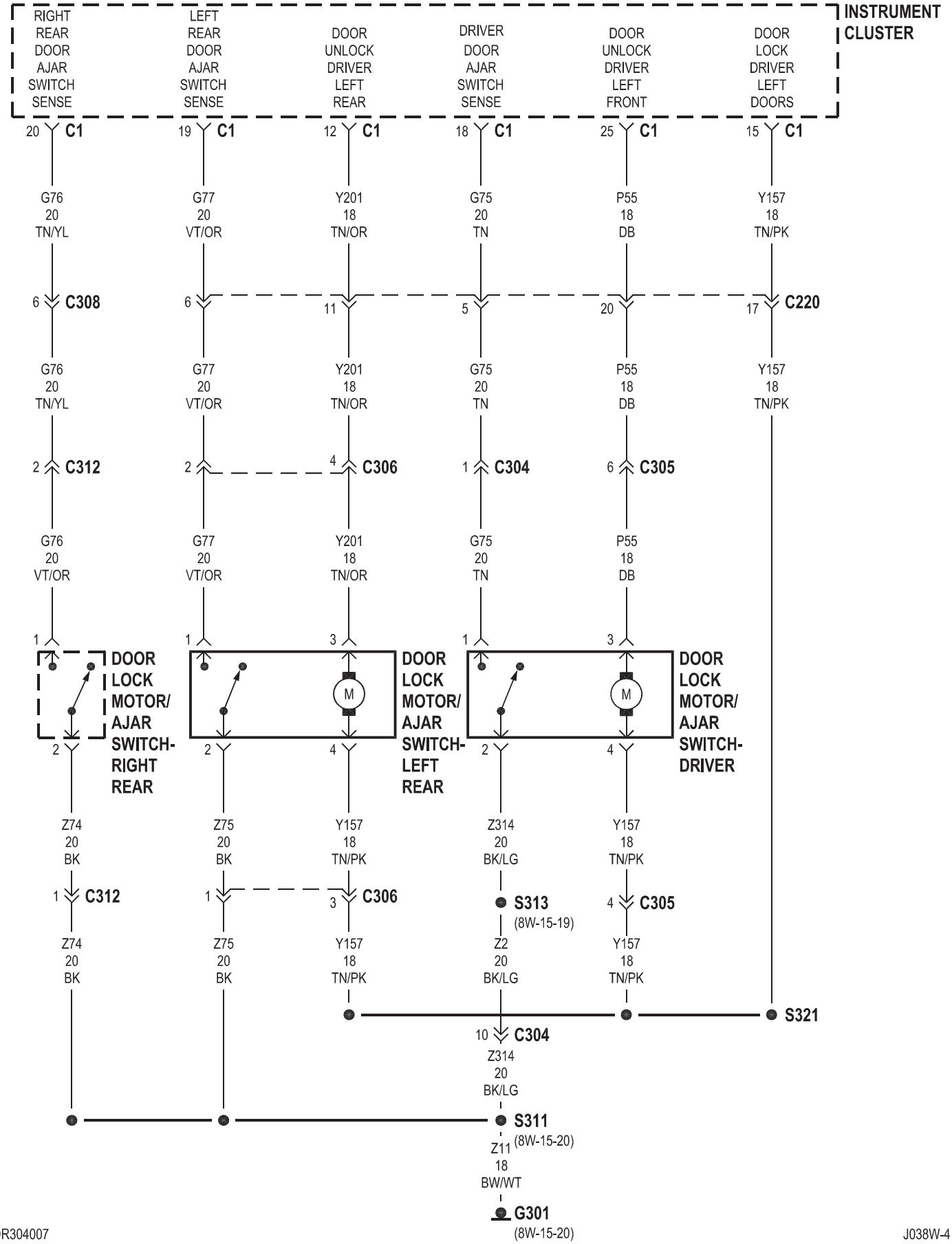

RUN-START A31
(8W-10-50)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC NO. 2 4.5A
(8W-10-50)
3 C7
Y105 20 BR/RD
73 C219
Y105 20 BR/RD
S212
(8W-10-50)
Y105 20 BR/RD
1 C220
Y105 20 BR/RD
1
SEAT BELT TENSIONER REDUCER (STANDARD CAB)
2
G10 20 LG/RD
Y105 20 BR/RD
13 C3
INSTRUMENT CLUSTER
FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
SEAT BELT SWITCH SENSE
10 C1
G10 20 LG/RD
8 C220
G10 20 LG/RD
SLT +
EXCEPT SLT +
11 C322
3 C311
Z237 20 BK/OR
1
SEAT BELT SWITCH-DRIVER
2
G10 20 LG/RD
SLT +
EXCEPT SLT +
4 C322
3 C311
G10 20 LG/RD
S320
Z237 20 BK/OR
S311
(8W-15-20)
Z11 18 BK/WT
G301
(8W-15-20)

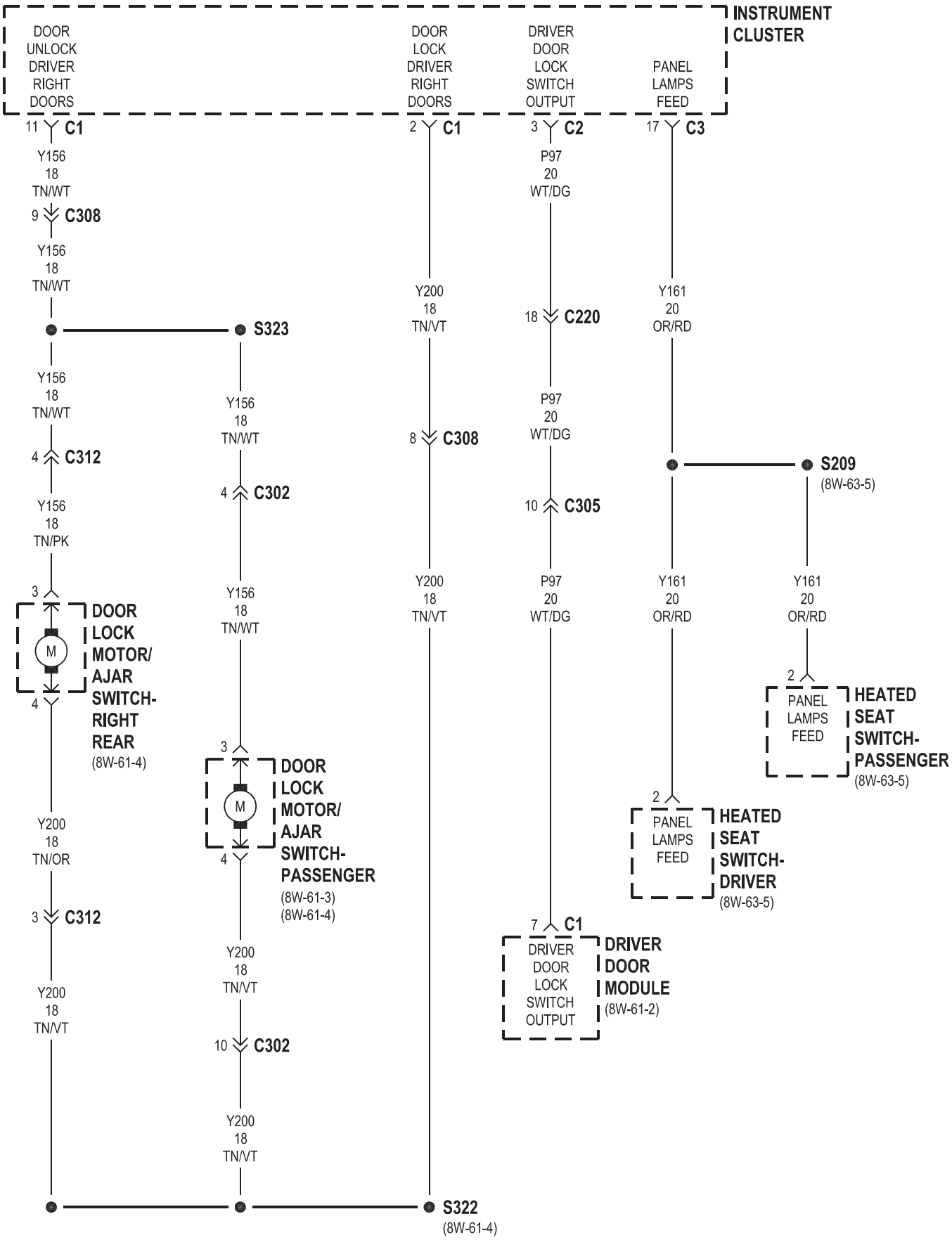

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 41 15A
(8W-10-38)
30
FOG LAMP RELAY
(8W-50-5)
87A
87
20 C7
INSTRUMENT CLUSTER
HEADLAMP SWITCH ILLUMINATION CONTROL
PANEL LAMPS DIMMER SIGNAL
HEADLAMP SWITCH RETURN
HEADLAMP SWITCH SIGNAL
18 C3
4 C2
9 C3
5 C2
Y163 20 OR/WT
Y111 20 VT/WT
Y167 20 WT/DB
Y126 20 VT/YL
68 C219
L39 20 LB
L39 18 LB
S107
(8W-10-38)
1 C202
S104
(8W-10-38)
5
3
6
7
8
HEADLAMP SWITCH
0 OFF
1 PARK
2 HEAD
3 FOG
4 CARGO
5 DOME
6 FUNERAL
7 DIM 5
8 DIM 4
9 DIM 3
10 DIM 2
11 DIM 1
12 OFF
4
Z214 20 LB/BK
G201
(8W-15-12)
B
FOG LAMP RELAY OUTPUT
FOG LAMP-RIGHT
(8W-50-5)
FOG LAMP-LEFT
(8W-50-5)
FOG LAMPS

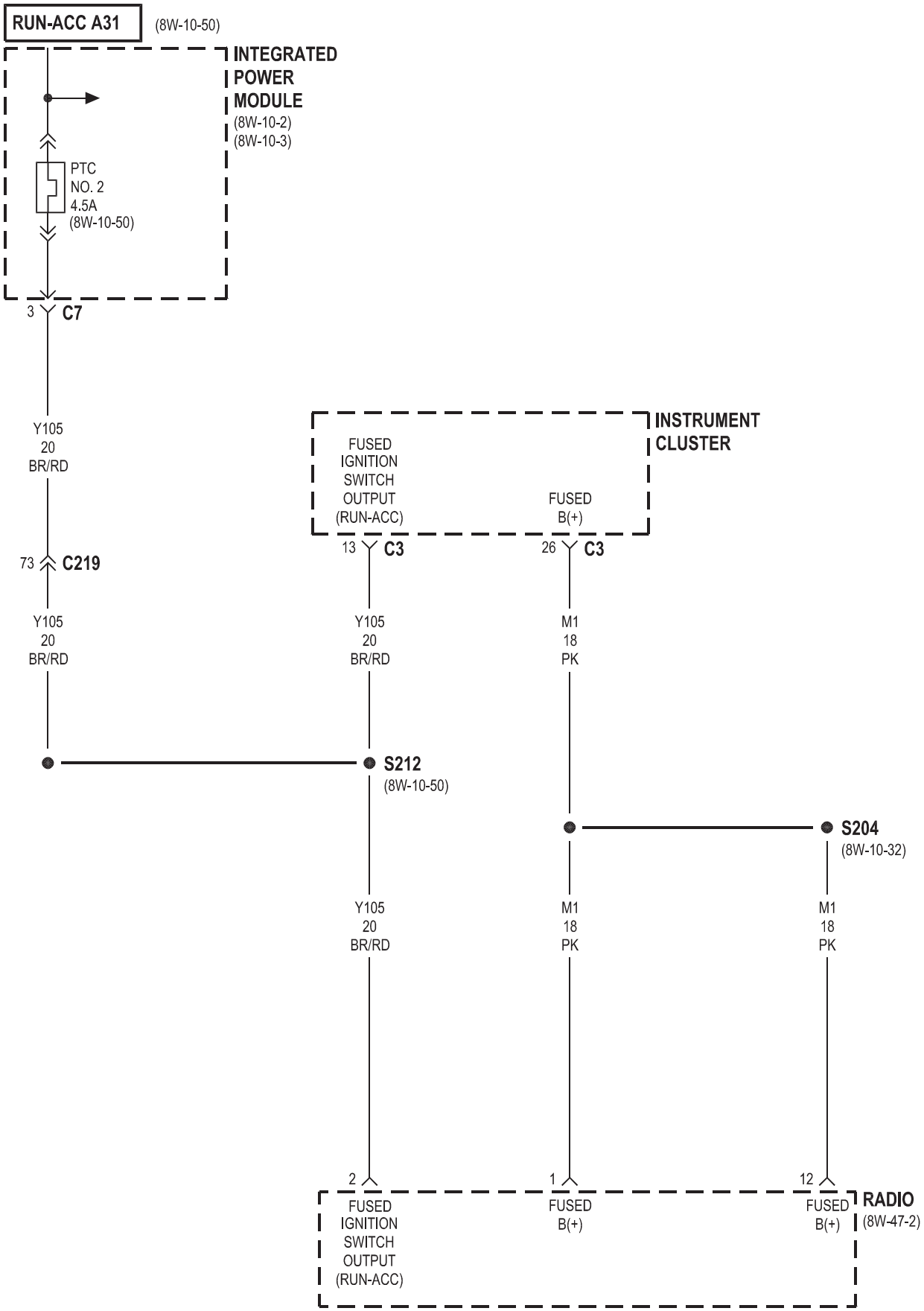

INSTRUMENT CLUSTER
WASH/ BEAM SELECT SWITCH SIGNAL
WIPER/ TURN/BEAM SELECT SWITCH RETURN
TURN LAMPS SWITCH SIGNAL
INTERMITTENT WIPER SWITCH SIGNAL
1 C2
8 C3
8 C2
11 C2
Y109 20 VT/OR
Y108 20 VT/BR
Y110 20 WT/VT
V8 20 VT
1
2
3
4
MULTI-FUNCTION SWITCH
1 HIGH BEAM
2 OPTICAL HORN
3 WASH
4 RIGHT TURN
5 LEFT TURN
6 HAZARD
7 HI
8 LOW
9 WIPE 5
10 WIPE 4
11 WIPE 3
12 WIPE 2
13 WIPE 1
14 OFF

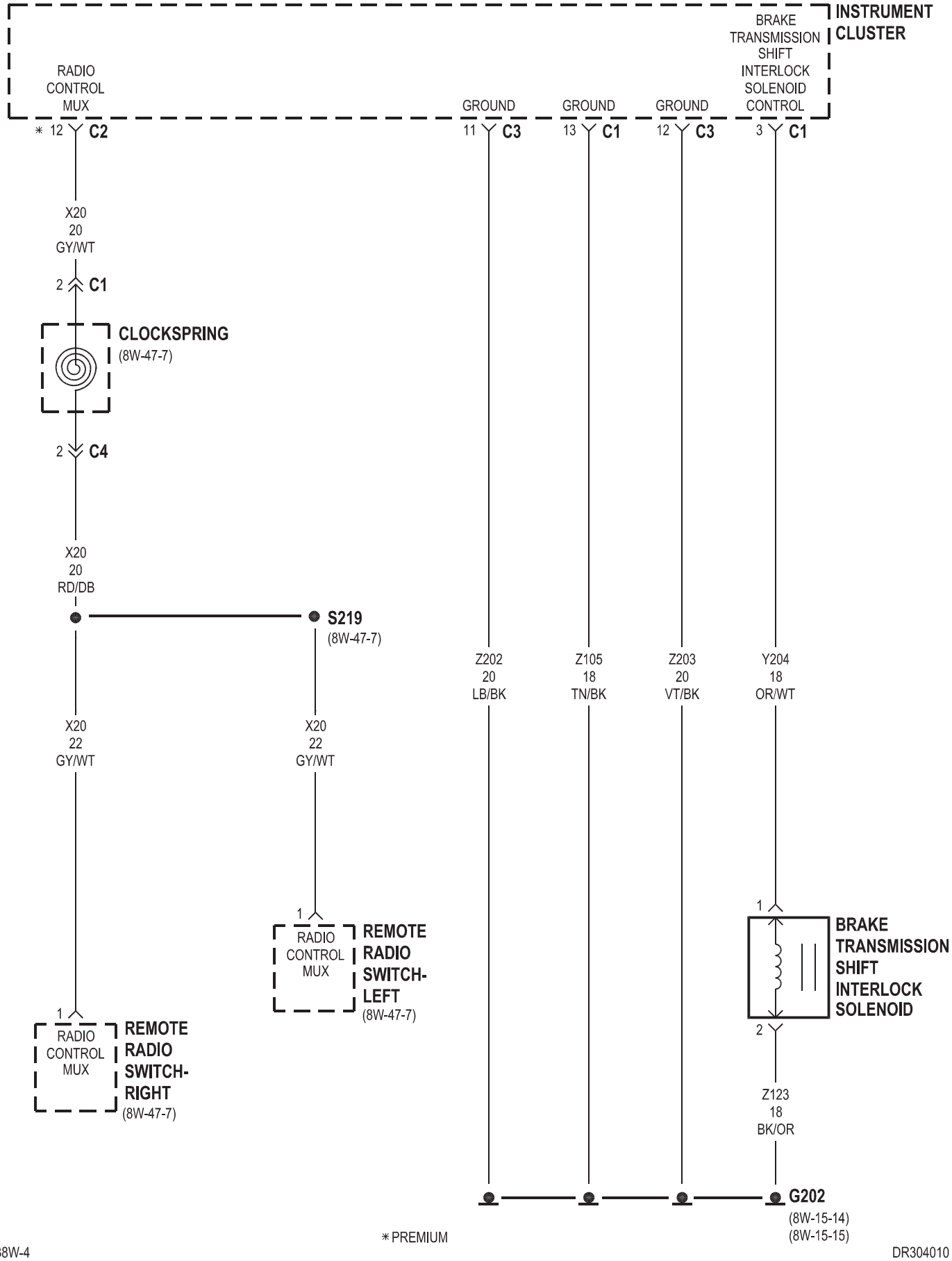

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 18 15A (8W-10-32)
FUSE 22 20A (8W-10-33)
24 C7
12 C1
E1 20 TN
F35 18 RD
31
33 C219
F35 18 RD
S213
(8W-10-33)
E1 20 TN
F35 18 RD
F35 18 RD
14 C3
1 C1
14 C1
FUSED B(+)
FUSED B(+)
FUSED B(+)
INSTRUMENT CLUSTER
PCI BUS
TRANS RANGE SENSOR ELECTRONIC CLUSTER MUX
TRANS RANGE SENSOR ELECTRONIC CLUSTER 5 VOLT SUPPLY
BRAKE LAMP SWITCH OUTPUT
KEY-IN IGNITION SWITCH SENSE
21 C3
14 C2
10 C3
23 C1
24 C1
D25 20 VT/YL
Y193 20 YL/RD
Y128 20 DG/GY
L50 18 WT/TN
G26 20 LB
EXCEPT 8.0L/5.9L
8.0L/5.9L
8.0L/5.9L
EXCEPT 8.0L/5.9L
S230
(8W-18-4)
S214
(8W-33-6)
47 C219
NOT USED
47
39 C219
39 C219
NOT USED
L50 18 WT/TN
5
D25 20 LB/VT
Y193 20 YL/RD
Y128 20 DG/GY
3 C201
KEY-IN IGNITION SWITCH SENSE
IGNITION SWITCH
(8W-10-26)
L50 18 WT/TN
K3
K4 C130
4
2
DATA LINK CONNECTOR
(8W-18-2)
(8W-18-3)
BRAKE LAMP SWITCH OUTPUT
CENTER HIGH MOUNTED STOP LAMP/ CARGO LAMP
(8W-51-7)
Y193 20 YL/RD
Y128 20 DG/GY
2
5
TRANS RANGE SENSOR ELECTRONIC CLUSTER MUX
TRANS RANGE SENSOR ELECTRONIC CLUSTER 5 VOLT SUPPLY
TRANSMISSION RANGE SENSOR
(8W-31-15)

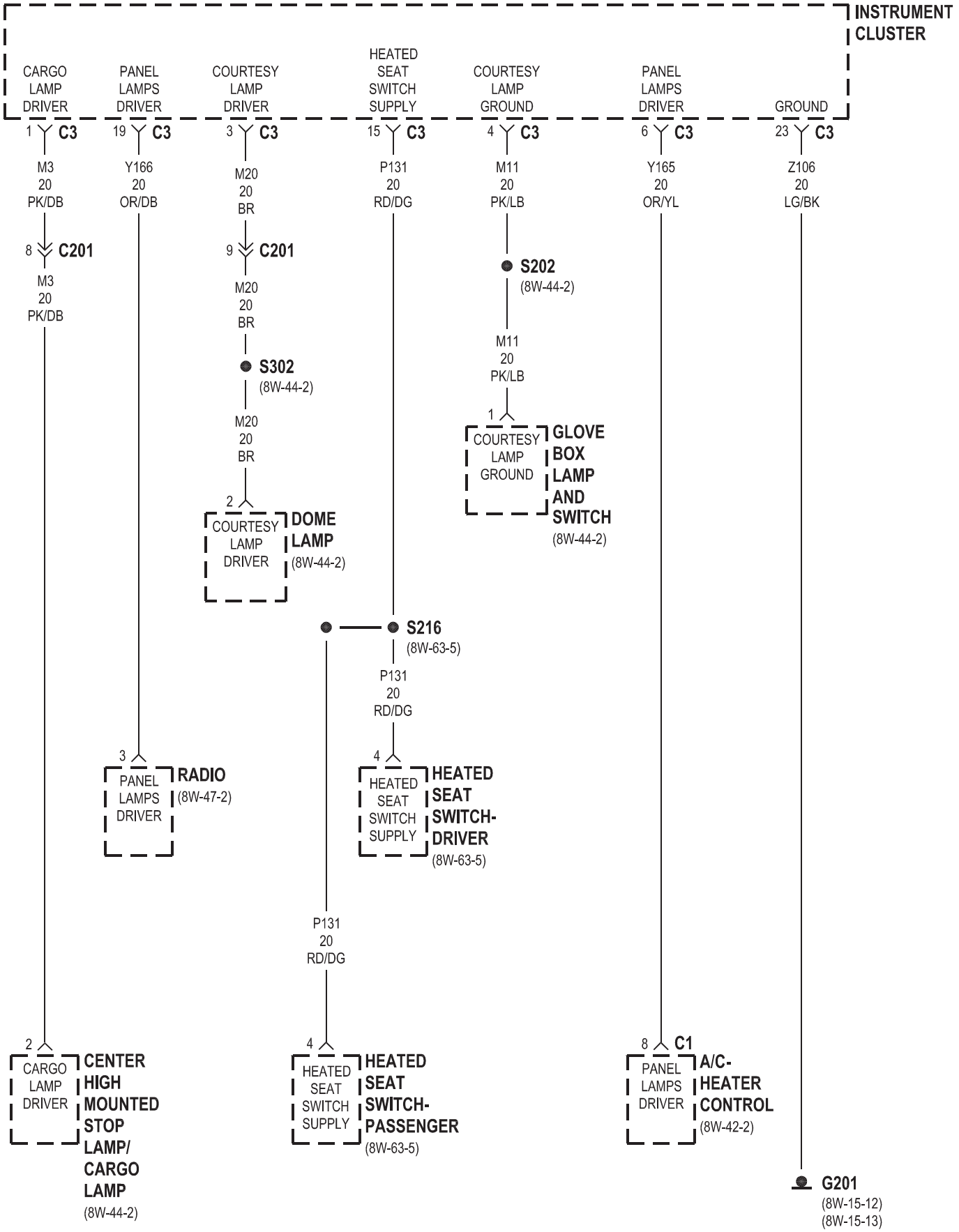

INSTRUMENT CLUSTER
DRIVER CYLINDER LOCK SWITCH MUX
PASSENGER CYLINDER LOCK SWITCH MUX
PASSENGER DOOR LOCK SWITCH MUX
FUSED IGNITION SWITCH OUTPUT (RUN-START)
PASSENGER DOOR AJAR SWITCH SENSE
7 C2
6 C2
2 C2
25 C3
21 C1
G73 20 LG/OR
G72 20 DG/OR
P96 20 WT/LG
Y107 20 VT/RD
G74 20 TN/RD
9 C220
2 C308
S205
(8W-10-45)
G73 20 LG/OR
G72 20 DG/OR
5
10
1 C308
11 C305
9 C302
P96 20 WT/LG
Y107 20 VT/RD
G74 20 TN/RD
6
1 C302
1 C301
1
2
CYLINDER LOCK SWITCH- DRIVER (SECURITY)
(8W-61-2)
CYLINDER LOCK SWITCH- PASSENGER (SECURITY)
(8W-61-3)
(8W-61-5)
DOOR LOCK SWITCH- PASSENGER
(8W-61-3)
(8W-61-4)
DOOR LOCK MOTOR/ AJAR SWITCH- PASSENGER
Z70 20 BK/LG
Z69 20 BK/LG
Z74 20 BK/LG
Z315 20 BK/LG
S313
(8W-15-19)
S312
(8W-15-19)
Z2 20 BK/LG
10 C304
10 C301
Z314 20 BK/LG
Z315 20 BK/LG
S311
(8W-15-20)
Z11 18 BK/WT
G301
(8W-15-20)

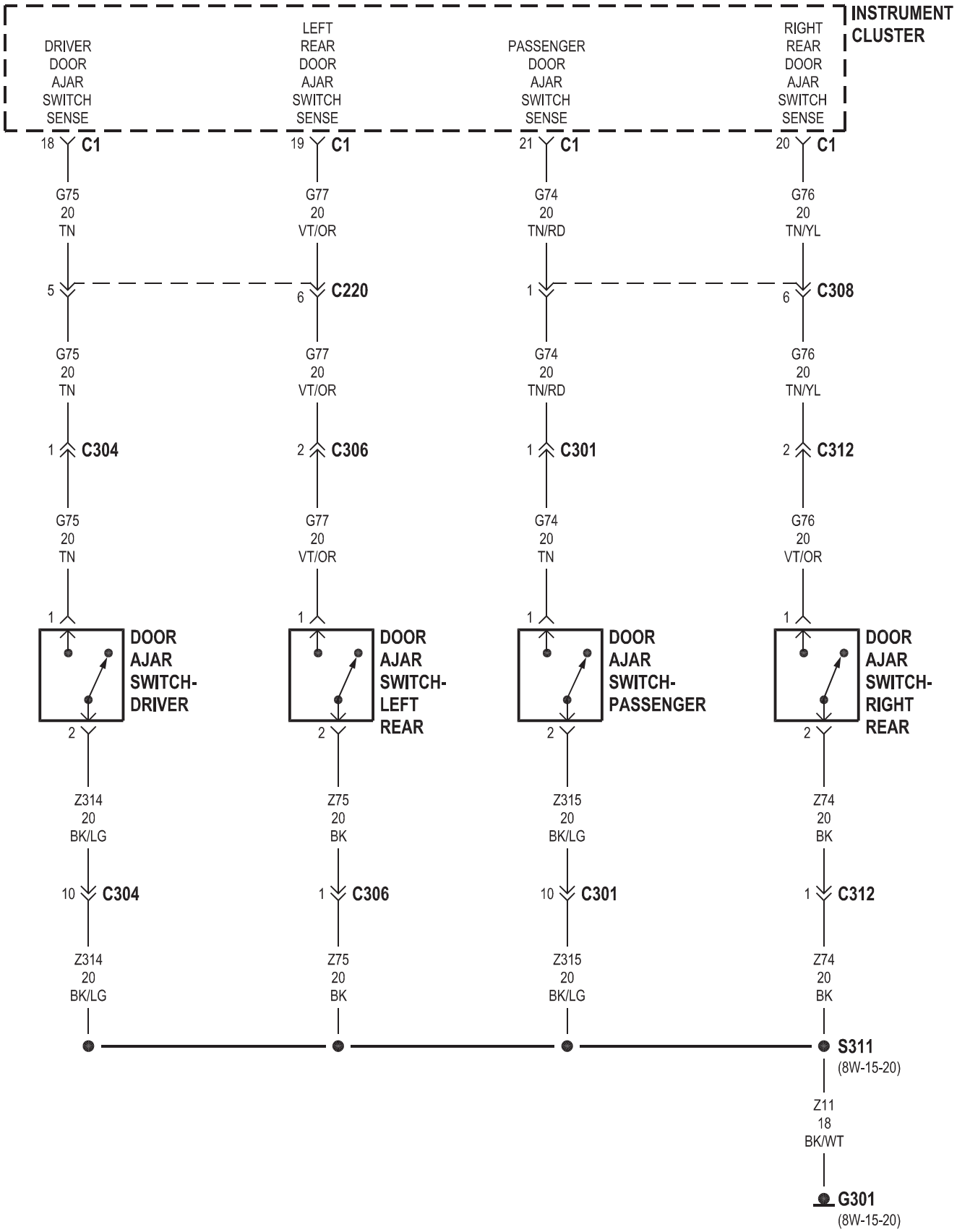

INSTRUMENT CLUSTER
RIGHT REAR DOOR AJAR SWITCH SENSE
LEFT REAR DOOR AJAR SWITCH SENSE
DOOR UNLOCK DRIVER LEFT REAR
DRIVER DOOR AJAR SWITCH SENSE
DOOR UNLOCK DRIVER LEFT FRONT
DOOR LOCK DRIVER LEFT DOORS
20 C1
19 C1
12 C1
18 C1
25 C1
15 C1
G76 20 TN/YL
G77 20 VT/OR
Y201 18 TN/OR
G75 20 TN
P55 18 DB
Y157 18 TN/PK
6 C308
6
11
5
20
17 C220
2 C312
2
4 C306
1 C304
6 C305
G76 20 VT/OR
G77 20 VT/OR
Y201 18 TN/OR
G75 20 TN
P55 18 DB
1
1
3
1
3
DOOR LOCK MOTOR/ AJAR SWITCH- RIGHT REAR
DOOR LOCK MOTOR/ AJAR SWITCH- LEFT REAR
DOOR LOCK MOTOR/ AJAR SWITCH- DRIVER
M
M
2
2
4
2
4
Z74 20 BK
Z75 20 BK
Y157 18 TN/PK
Z314 20 BK/LG
Y157 18 TN/PK
1 C312
1
3 C306
S313 (8W-15-19)
4 C305
Z74 20 BK
Z75 20 BK
Y157 18 TN/PK
Z2 20 BK/LG
Y157 18 TN/PK
S321
10 C304
Z314 20 BK/LG
S311 (8W-15-20)
Z11 18 BW/WT
G301 (8W-15-20)

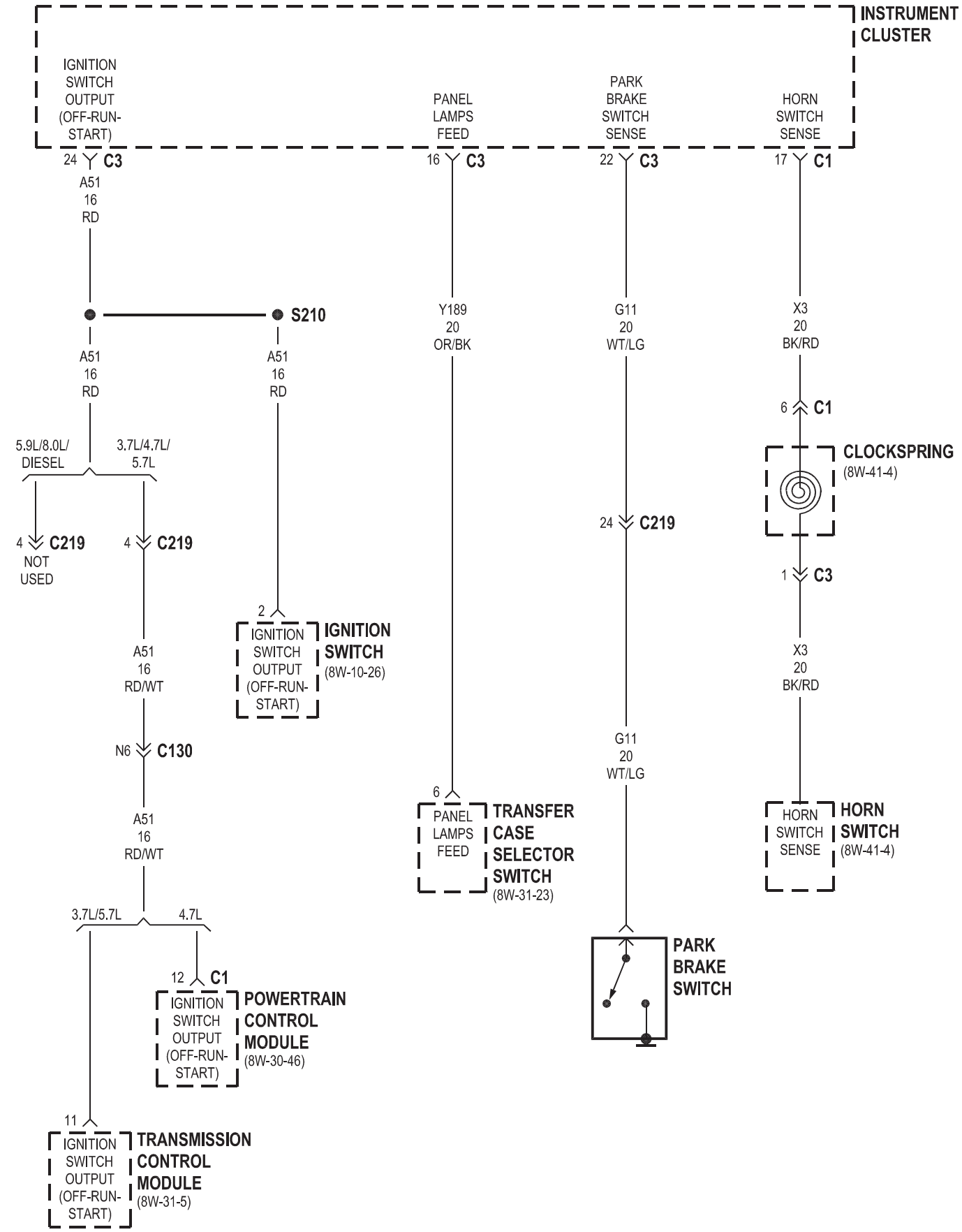

INSTRUMENT CLUSTER
DOOR UNLOCK DRIVER RIGHT DOORS
DOOR LOCK DRIVER RIGHT DOORS
DRIVER DOOR LOCK SWITCH OUTPUT
PANEL LAMPS FEED
11 C1
2 C1
3 C2
17 C3
Y156 18 TN/WT
9 C308
Y156 18 TN/WT
S323
Y156 18 TN/WT
4 C312
Y156 18 TN/PK
3
M
4
DOOR LOCK MOTOR/ AJAR SWITCH- RIGHT REAR
(8W-61-4)
Y200 18 TN/OR
3 C312
Y200 18 TN/VT
Y156 18 TN/WT
4 C302
Y156 18 TN/WT
3
M
4
DOOR LOCK MOTOR/ AJAR SWITCH- PASSENGER
(8W-61-3)
(8W-61-4)
Y200 18 TN/VT
10 C302
Y200 18 TN/VT
Y200 18 TN/VT
8 C308
Y200 18 TN/VT
S322
(8W-61-4)
P97 20 WT/DG
18 C220
P97 20 WT/DG
10 C305
P97 20 WT/DG
7 C1
DRIVER DOOR LOCK SWITCH OUTPUT
DRIVER DOOR MODULE
(8W-61-2)
Y161 20 OR/RD
S209
(8W-63-5)
Y161 20 OR/RD
2
PANEL LAMPS FEED
HEATED SEAT SWITCH- DRIVER
(8W-63-5)
Y161 20 OR/RD
2
PANEL LAMPS FEED
HEATED SEAT SWITCH- PASSENGER
(8W-63-5)


RUN-ACC A31
(8W-10-50)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
PTC
NO. 2
4.5A
(8W-10-50)
3
C7
Y105
20
BR/RD
73
C219
Y105
20
BR/RD
INSTRUMENT CLUSTER
FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
FUSED B(+)
13
C3
26
C3
Y105
20
BR/RD
M1
18
PK
S212
(8W-10-50)
S204
(8W-10-32)
Y105
20
BR/RD
M1
18
PK
M1
18
PK
2
1
12
FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
FUSED B(+)
FUSED B(+)
RADIO
(8W-47-2)


INSTRUMENT CLUSTER
RADIO CONTROL MUX
* 12 C2
GROUND
11 C3
GROUND
13 C1
GROUND
12 C3
BRAKE TRANSMISSION SHIFT INTERLOCK SOLENOID CONTROL
3 C1
X20
20
GY/WT
2 C1
CLOCKSPRING
(8W-47-7)
2 C4
X20
20
RD/DB
S219
(8W-47-7)
Z202
20
LB/BK
Z105
18
TN/BK
Z203
20
VT/BK
Y204
18
OR/WT
X20
22
GY/WT
X20
22
GY/WT
1
RADIO CONTROL MUX
REMOTE RADIO SWITCH-LEFT
(8W-47-7)
1
RADIO CONTROL MUX
REMOTE RADIO SWITCH-RIGHT
(8W-47-7)
1
BRAKE TRANSMISSION SHIFT INTERLOCK SOLENOID
2
Z123
18
BK/OR
G202
(8W-15-14)
(8W-15-15)
* PREMIUM

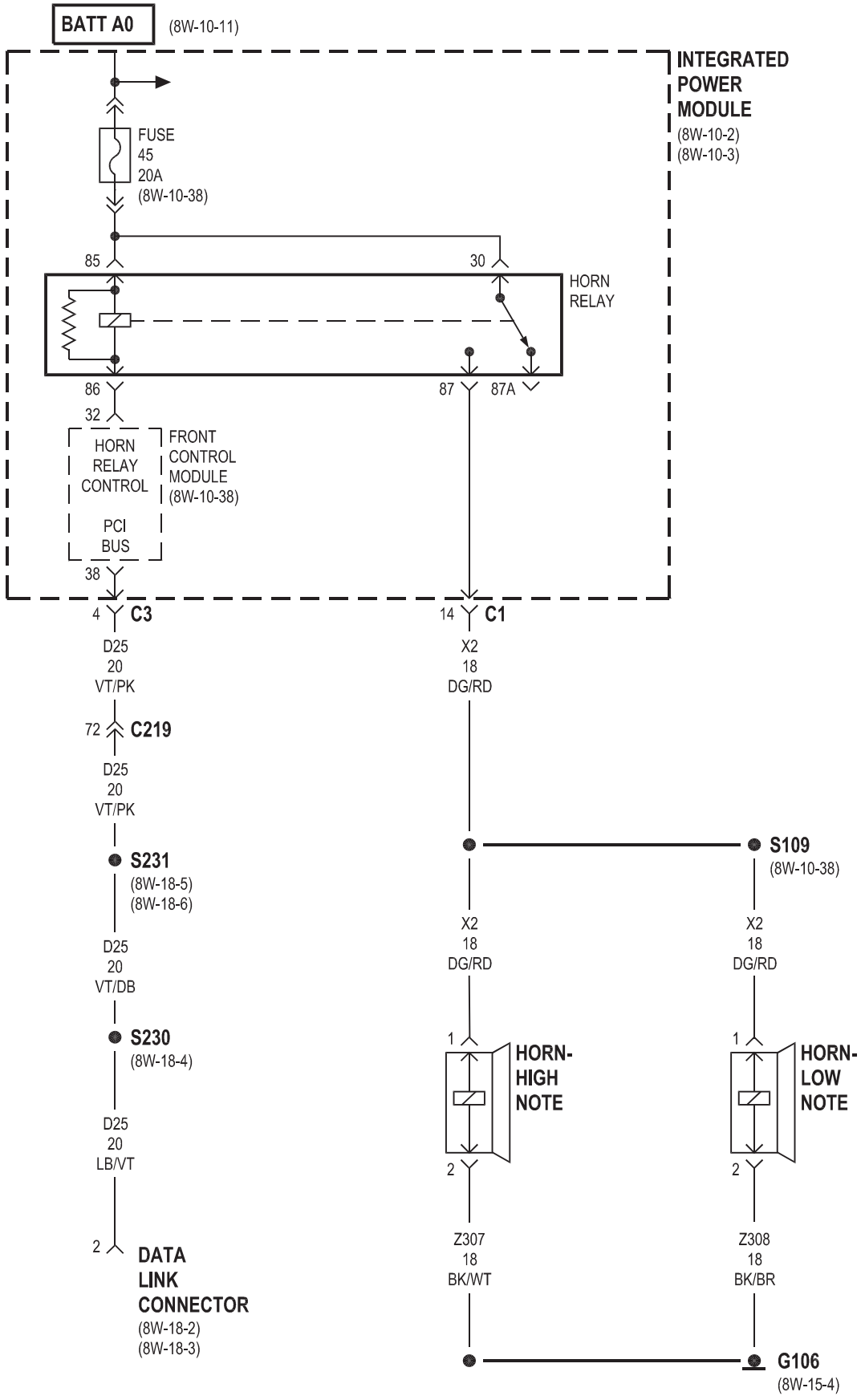

INSTRUMENT CLUSTER
CARGO LAMP DRIVER
PANEL LAMPS DRIVER
COURTESY LAMP DRIVER
HEATED SEAT SWITCH SUPPLY
COURTESY LAMP GROUND
PANEL LAMPS DRIVER
GROUND
1 C3
19 C3
3 C3
15 C3
4 C3
6 C3
23 C3
M3 20 PK/DB
Y166 20 OR/DB
M20 20 BR
P131 20 RD/DG
M11 20 PK/LB
Y165 20 OR/YL
Z106 20 LG/BK
8 C201
9 C201
S202 (8W-44-2)
M3 20 PK/DB
M20 20 BR
S302 (8W-44-2)
M11 20 PK/LB
M20 20 BR
1
COURTESY LAMP GROUND
GLOVE BOX LAMP AND SWITCH (8W-44-2)
2
COURTESY LAMP DRIVER
DOME LAMP (8W-44-2)
S216 (8W-63-5)
P131 20 RD/DG
3
PANEL LAMPS DRIVER
RADIO (8W-47-2)
4
HEATED SEAT SWITCH SUPPLY
HEATED SEAT SWITCH-DRIVER (8W-63-5)
P131 20 RD/DG
2
CARGO LAMP DRIVER
CENTER HIGH MOUNTED STOP LAMP/ CARGO LAMP (8W-44-2)
4
HEATED SEAT SWITCH SUPPLY
HEATED SEAT SWITCH-PASSENGER (8W-63-5)
8 C1
PANEL LAMPS DRIVER
A/C-HEATER CONTROL (8W-42-2)
G201
(8W-15-12)
(8W-15-13)

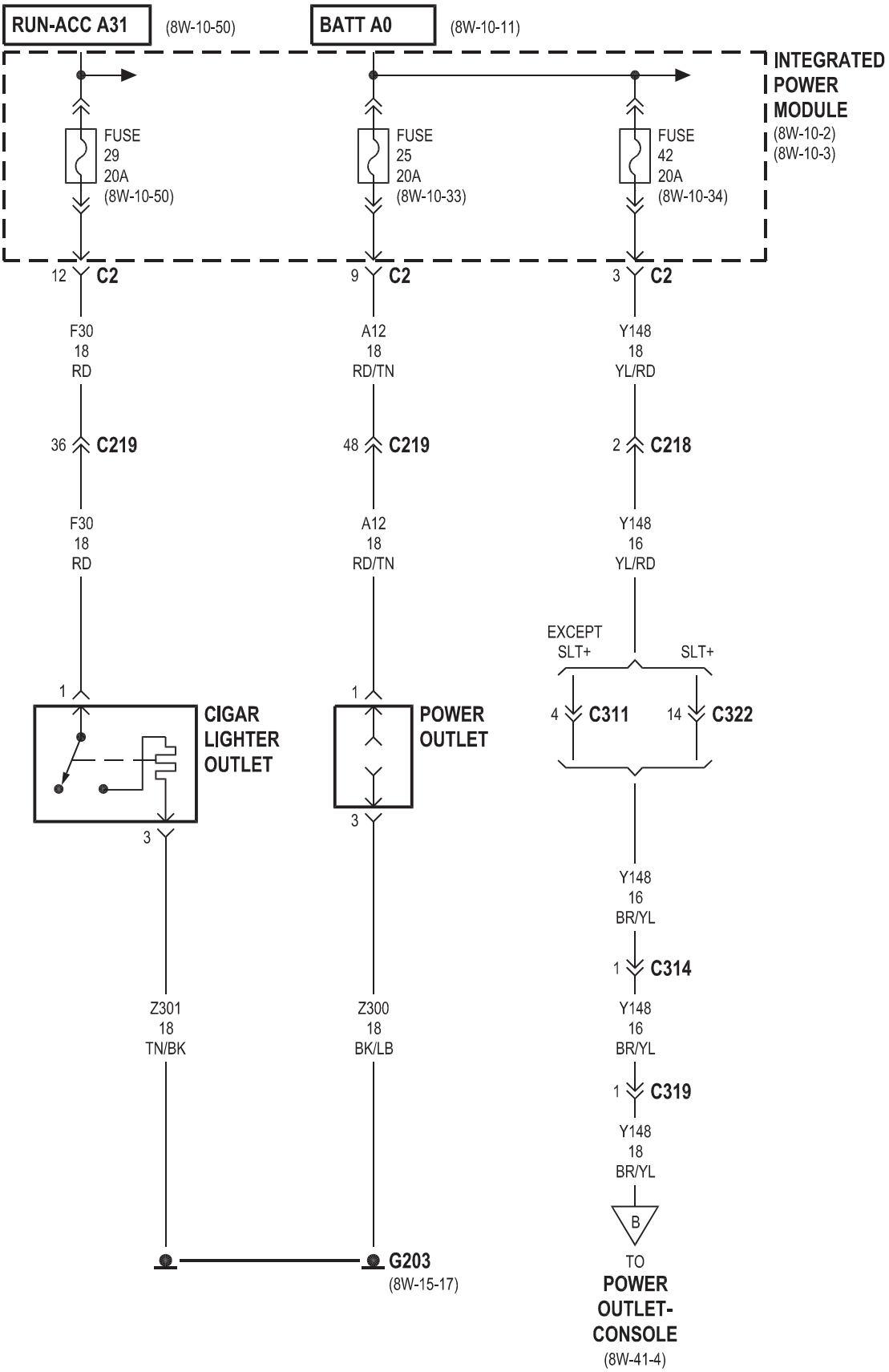

INSTRUMENT CLUSTER
DRIVER DOOR AJAR SWITCH SENSE
LEFT REAR DOOR AJAR SWITCH SENSE
PASSENGER DOOR AJAR SWITCH SENSE
RIGHT REAR DOOR AJAR SWITCH SENSE
18 C1
19 C1
21 C1
20 C1
G75 20 TN
G77 20 VT/OR
G74 20 TN/RD
G76 20 TN/YL
5
6 C220
1
6 C308
G75 20 TN
G77 20 VT/OR
G74 20 TN/RD
G76 20 TN/YL
1 C304
2 C306
1 C301
2 C312
G75 20 TN
G77 20 VT/OR
G74 20 TN
G76 20 VT/OR
1
1
1
1
DOOR AJAR SWITCH- DRIVER
DOOR AJAR SWITCH- LEFT REAR
DOOR AJAR SWITCH- PASSENGER
DOOR AJAR SWITCH- RIGHT REAR
2
2
2
2
Z314 20 BK/LG
Z75 20 BK
Z315 20 BK/LG
Z74 20 BK
10 C304
1 C306
10 C301
1 C312
Z314 20 BK/LG
Z75 20 BK
Z315 20 BK/LG
Z74 20 BK
S311
(8W-15-20)
Z11 18 BK/WT
G301
(8W-15-20)

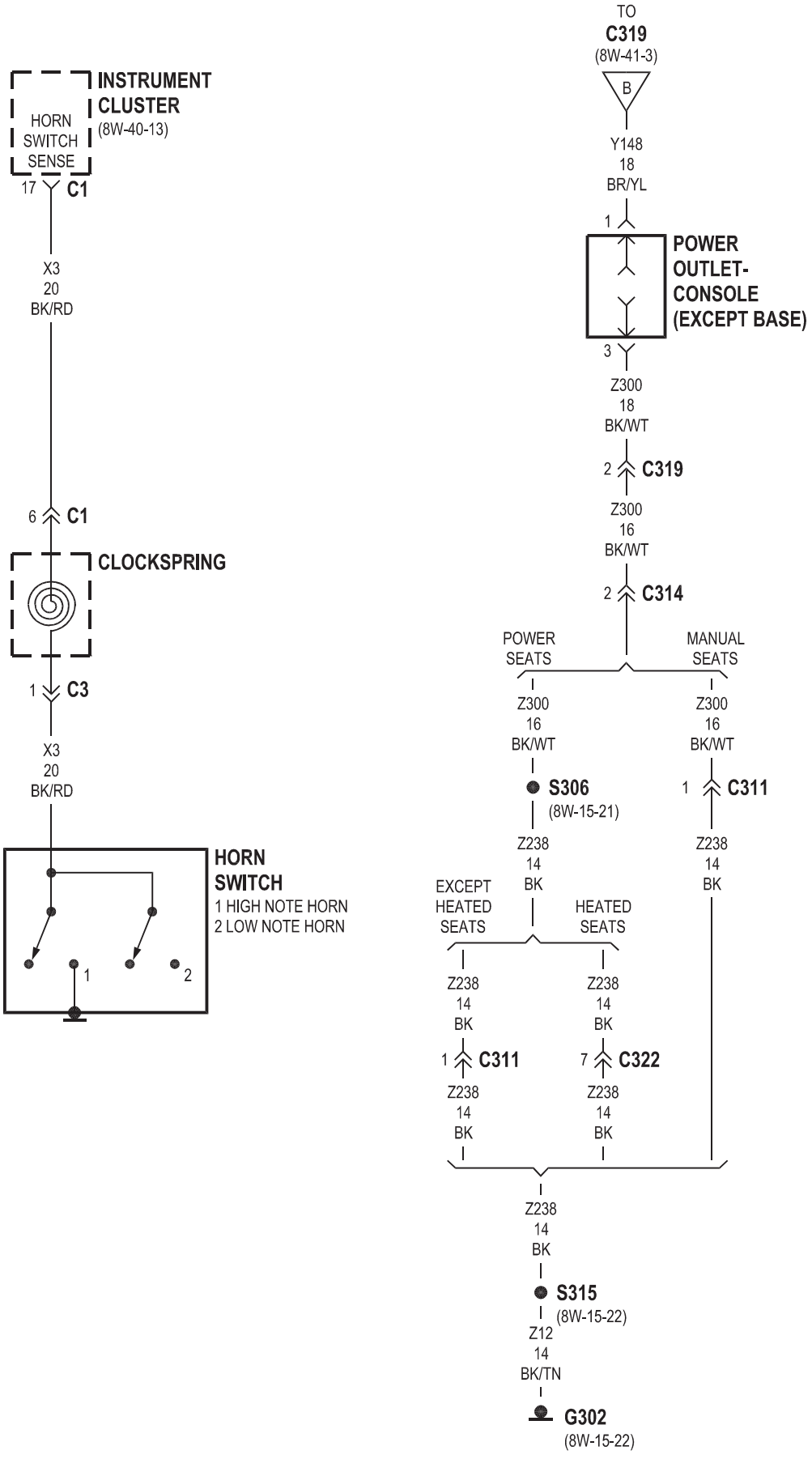

INSTRUMENT CLUSTER
IGNITION SWITCH OUTPUT (OFF-RUN-START)
PANEL LAMPS FEED
PARK BRAKE SWITCH SENSE
HORN SWITCH SENSE
24 C3
16 C3
22 C3
17 C1
A51 16 RD
Y189 20 OR/BK
G11 20 WT/LG
X3 20 BK/RD
S210
A51 16 RD
A51 16 RD
6 C1
CLOCKSPRING (8W-41-4)
5.9L/8.0L/ DIESEL
3.7L/4.7L/ 5.7L
24 C219
4 C219 NOT USED
4 C219
1 C3
2
IGNITION SWITCH OUTPUT (OFF-RUN-START)
IGNITION SWITCH (8W-10-26)
A51 16 RD/WT
X3 20 BK/RD
N6 C130
6
PANEL LAMPS FEED
TRANSFER CASE SELECTOR SWITCH (8W-31-23)
G11 20 WT/LG
HORN SWITCH SENSE
HORN SWITCH (8W-41-4)
A51 16 RD/WT
3.7L/5.7L
4.7L
12 C1
IGNITION SWITCH OUTPUT (OFF-RUN-START)
POWERTRAIN CONTROL MODULE (8W-30-46)
PARK BRAKE SWITCH
11
IGNITION SWITCH OUTPUT (OFF-RUN-START)
TRANSMISSION CONTROL MODULE (8W-31-5)

8W-41 HORN/CIGAR LIGHTER/POWER OUTLET

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

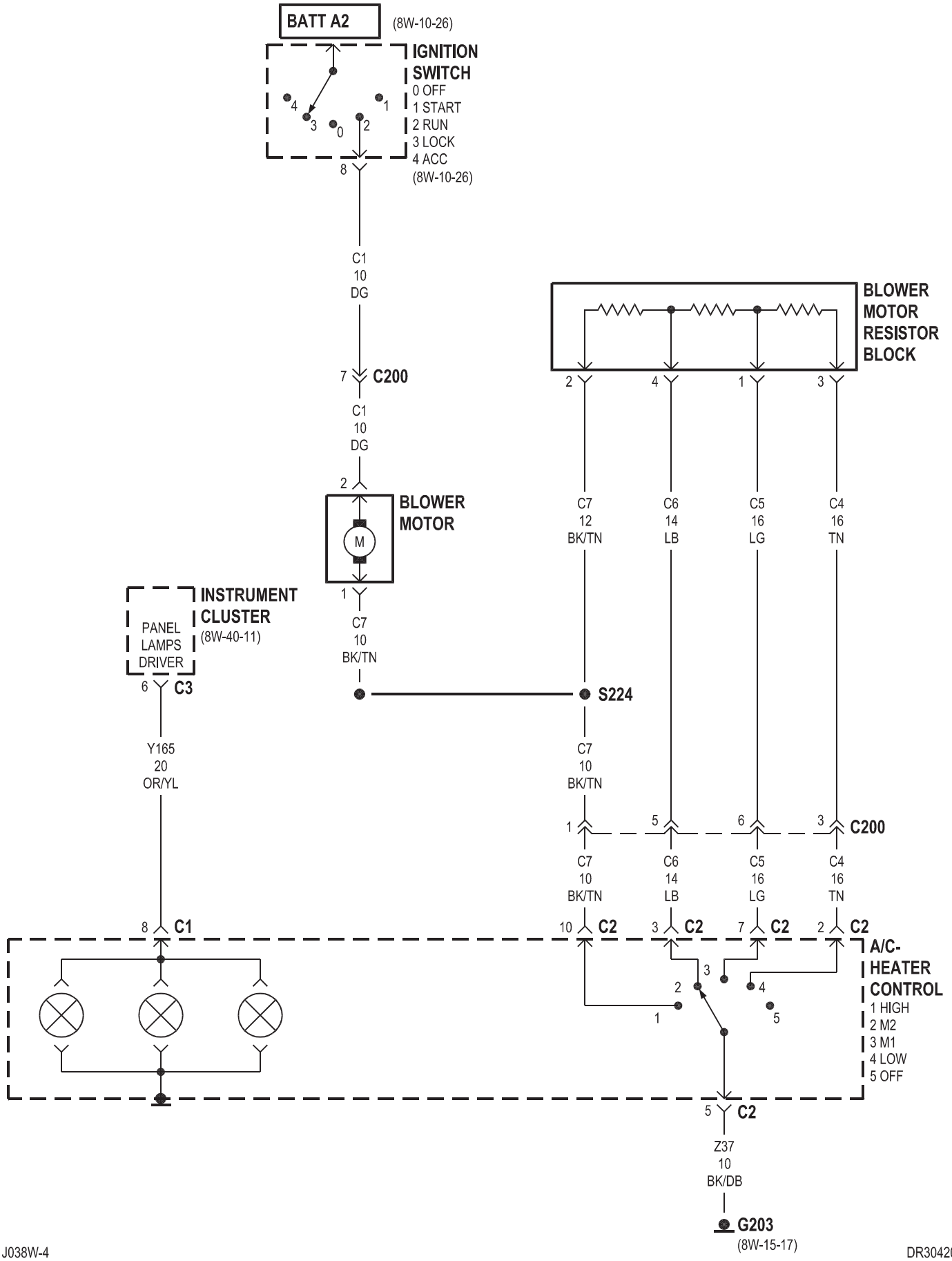

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE
45
20A
(8W-10-38)
85
30
HORN RELAY
86
87
87A
32
HORN RELAY CONTROL
FRONT CONTROL MODULE
(8W-10-38)
PCI BUS
38
4
C3
14
C1
D25
20
VT/PK
72
C219
D25
20
VT/PK
S231
(8W-18-5)
(8W-18-6)
D25
20
VT/DB
S230
(8W-18-4)
D25
20
LB/VT
2
DATA LINK CONNECTOR
(8W-18-2)
(8W-18-3)
X2
18
DG/RD
S109
(8W-10-38)
X2
18
DG/RD
X2
18
DG/RD
1
HORN-HIGH NOTE
2
1
HORN-LOW NOTE
2
Z307
18
BK/WT
Z308
18
BK/BR
G106
(8W-15-4)

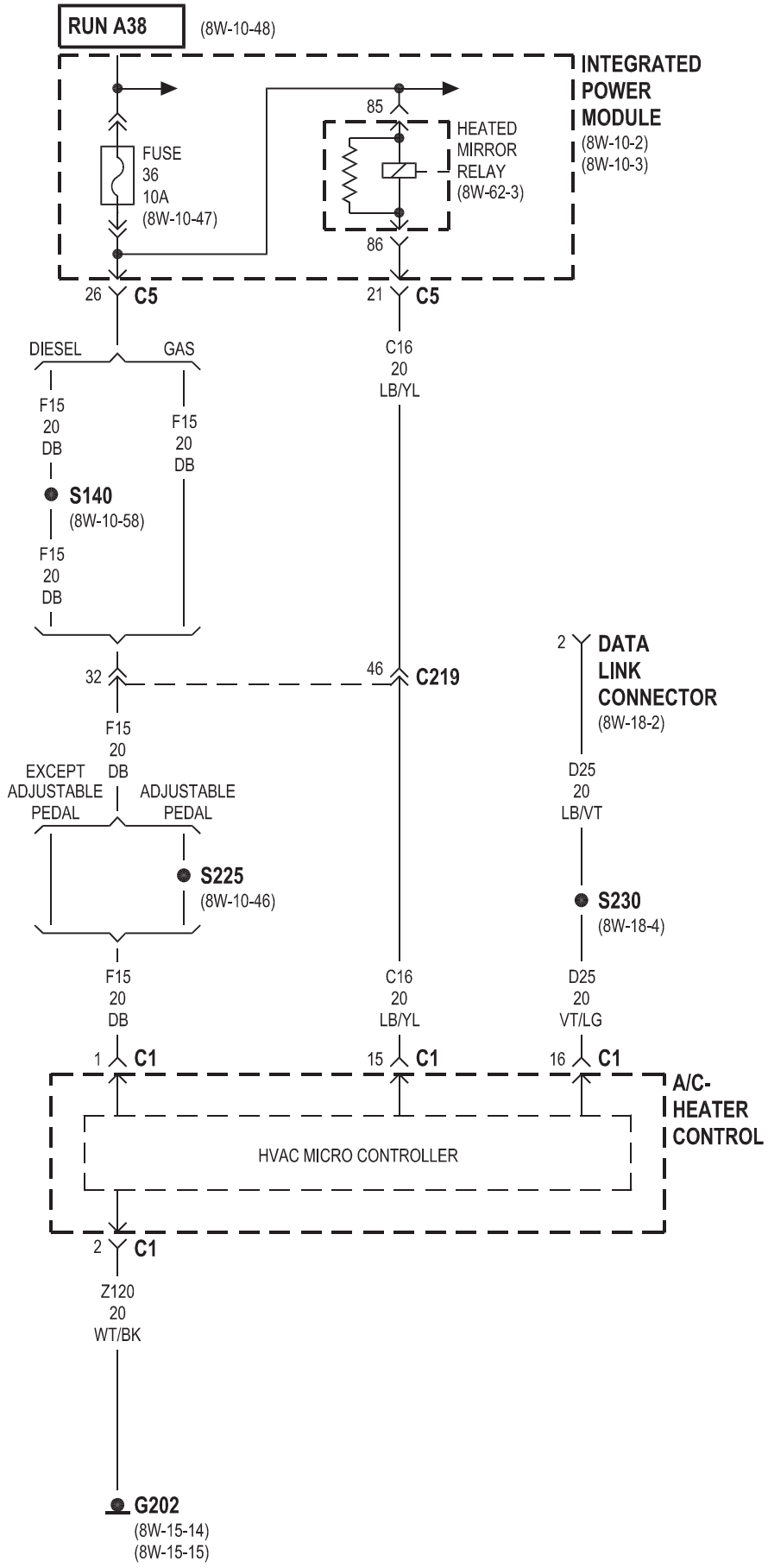

RUN-ACC A31
(8W-10-50)
BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 29 20A (8W-10-50)
FUSE 25 20A (8W-10-33)
FUSE 42 20A (8W-10-34)
12 C2
9 C2
3 C2
F30 18 RD
A12 18 RD/TN
Y148 18 YL/RD
36 C219
48 C219
2 C218
F30 18 RD
A12 18 RD/TN
Y148 16 YL/RD
EXCEPT SLT+
SLT+
4 C311
14 C322
1
1
CIGAR LIGHTER OUTLET
POWER OUTLET
3
3
Y148 16 BR/YL
1 C314
Y148 16 BR/YL
1 C319
Y148 18 BR/YL
B
Z301 18 TN/BK
Z300 18 BK/LB
G203
(8W-15-17)
TO POWER OUTLET-CONSOLE
(8W-41-4)

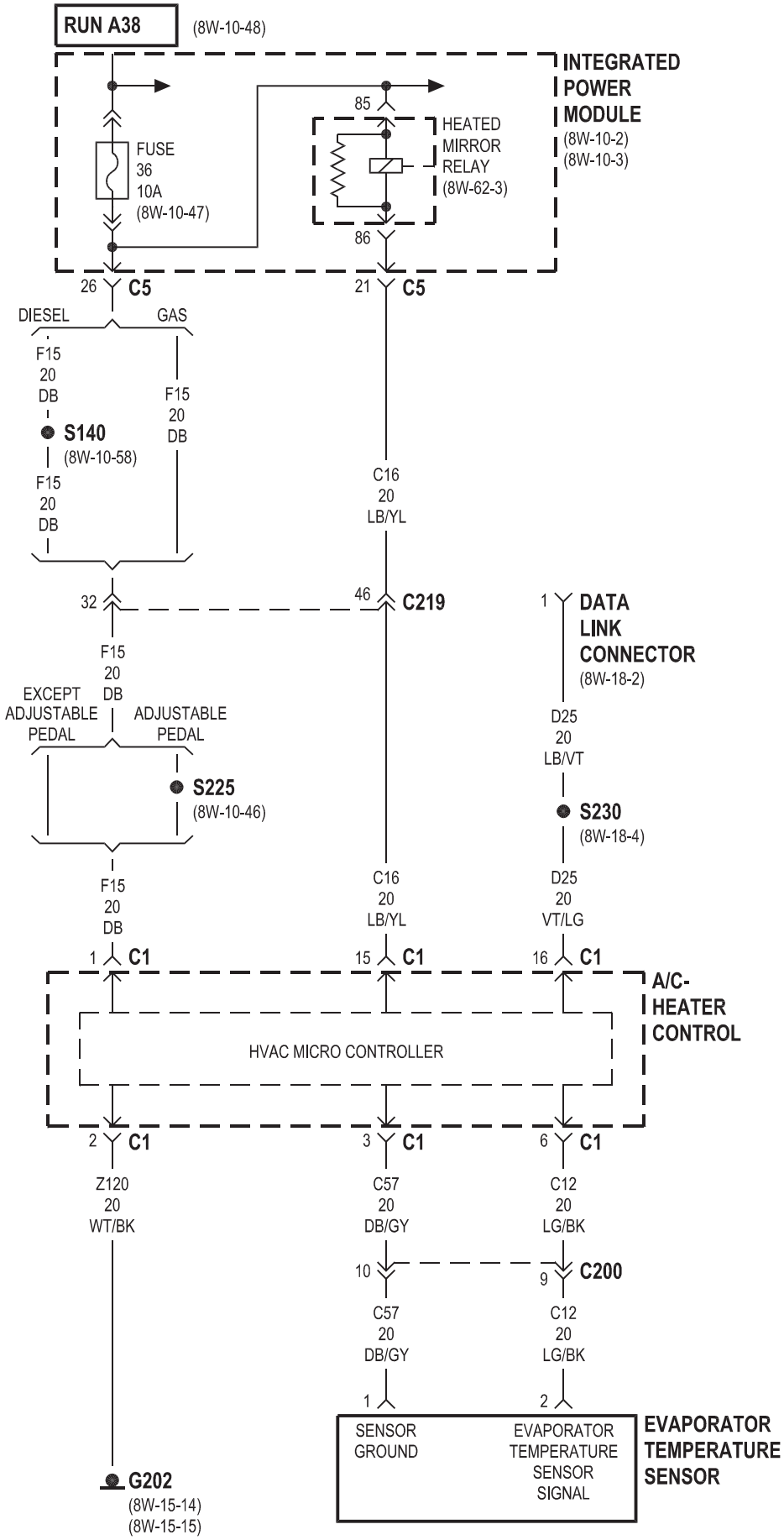

INSTRUMENT CLUSTER
(8W-40-13)
HORN SWITCH SENSE
17 C1
X3
20
BK/RD
6 C1
CLOCKSPRING
1 C3
X3
20
BK/RD
HORN SWITCH
1 HIGH NOTE HORN
2 LOW NOTE HORN
1
2
TO C319
(8W-41-3)
B
Y148
18
BR/YL
1
POWER OUTLET-CONSOLE (EXCEPT BASE)
3
Z300
18
BK/WT
2 C319
Z300
16
BK/WT
2 C314
POWER SEATS
MANUAL SEATS
Z300
16
BK/WT
Z300
16
BK/WT
S306
(8W-15-21)
1 C311
Z238
14
BK
Z238
14
BK
EXCEPT HEATED SEATS
HEATED SEATS
Z238
14
BK
Z238
14
BK
1 C311
7 C322
Z238
14
BK
Z238
14
BK
Z238
14
BK
S315
(8W-15-22)
Z12
14
BK/TN
G302
(8W-15-22)

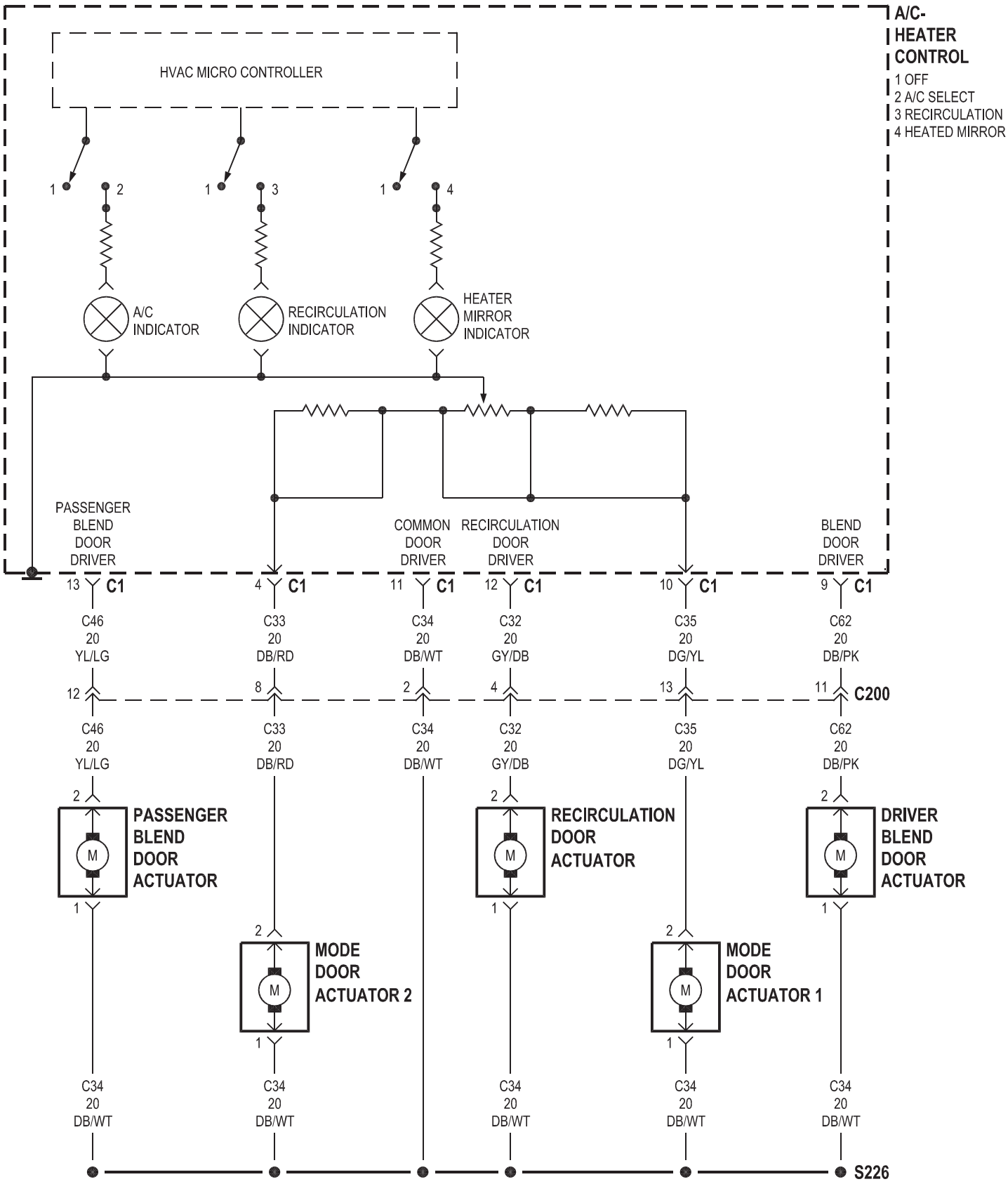
8W-42 AIR CONDITIONING

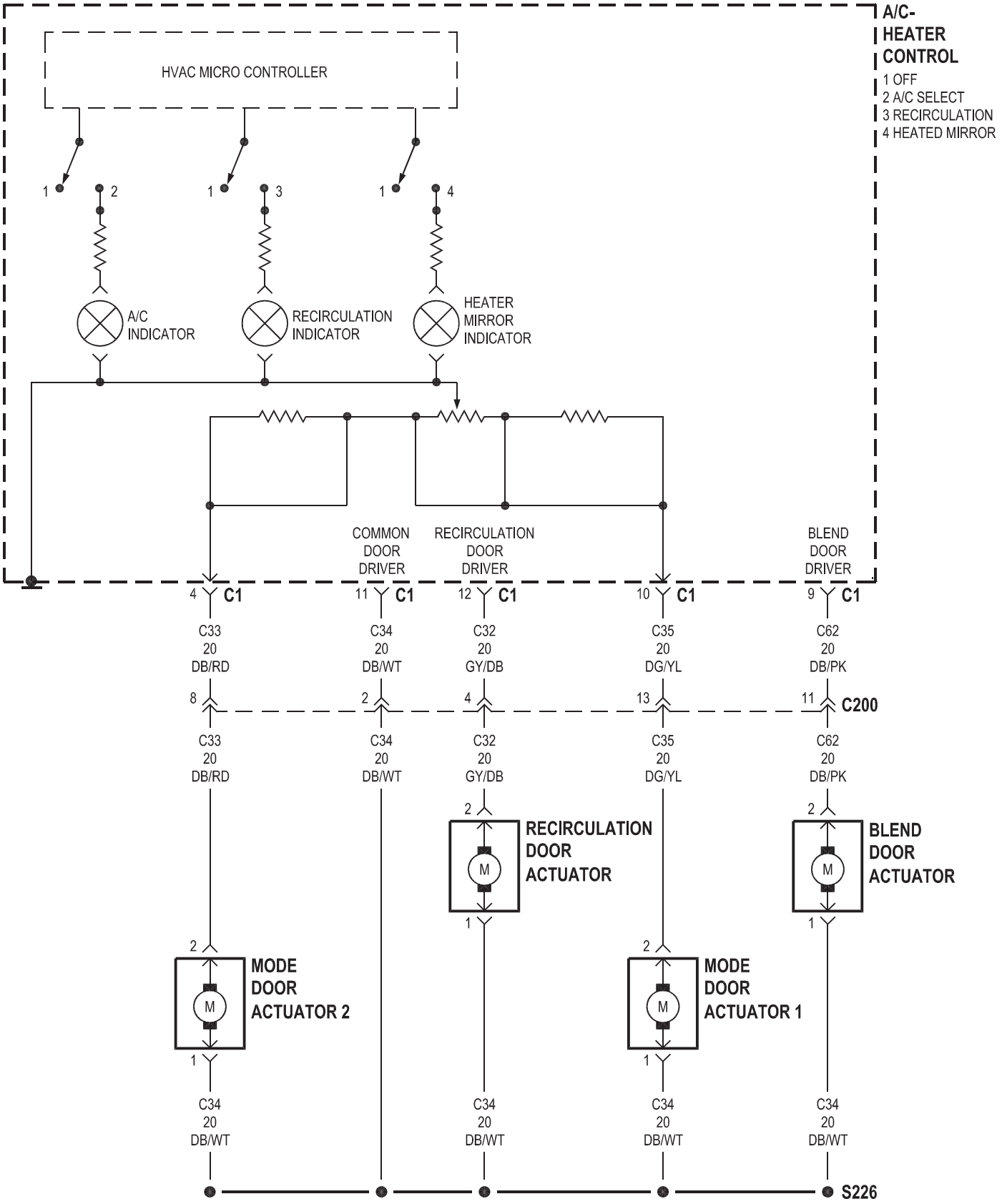
Component	Page
A/C Compressor Clutch	8W-42-7
A/C Compressor Clutch Relay	8W-42-7
A/C Pressure Transducer	8W-42-8, 9
A/C-Heater Control	8W-42-2, 3, 4, 5, 6
Blend Door Actuator	8W-42-6
Blower Motor	8W-42-2
Blower Motor Resistor Block	8W-42-2
Condenser Fan	8W-42-10
Condenser Fan Relay	8W-42-10
Data Link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

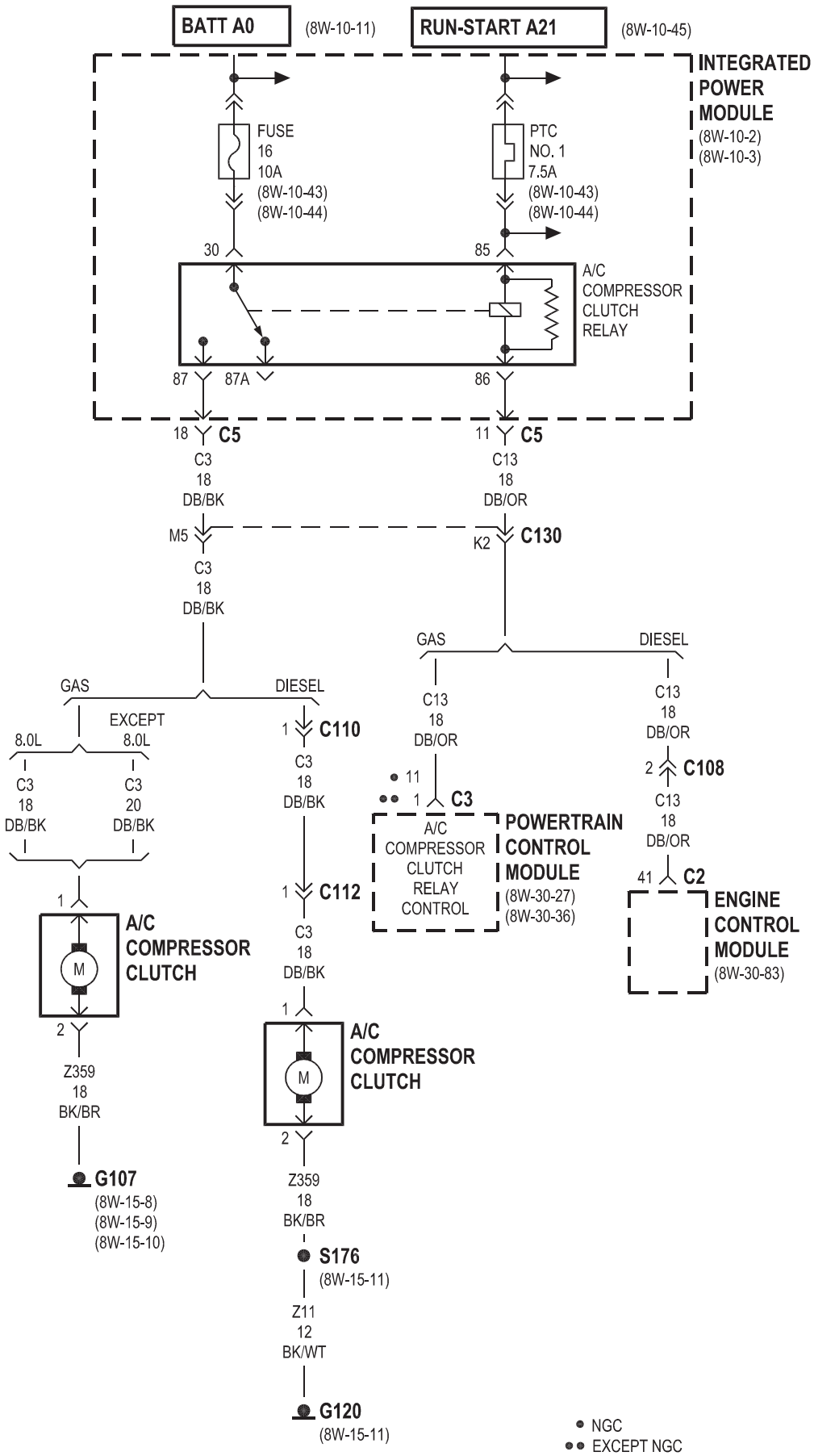

BATT A2
(8W-10-26)
IGNITION SWITCH
0 OFF
1 START
2 RUN
3 LOCK
4 ACC
(8W-10-26)
C1
10
DG
C200
C1
10
DG
BLOWER MOTOR
BLOWER MOTOR RESISTOR BLOCK
C7
12
BK/TN
C6
14
LB
C5
16
LG
C4
16
TN
INSTRUMENT CLUSTER
(8W-40-11)
PANEL LAMPS DRIVER
C3
Y165
20
OR/YL
C7
10
BK/TN
S224
C7
10
BK/TN
C200
C7
10
BK/TN
C6
14
LB
C5
16
LG
C4
16
TN
C1
C2
A/C-HEATER CONTROL
1 HIGH
2 M2
3 M1
4 LOW
5 OFF
Z37
10
BK/DB
G203
(8W-15-17)

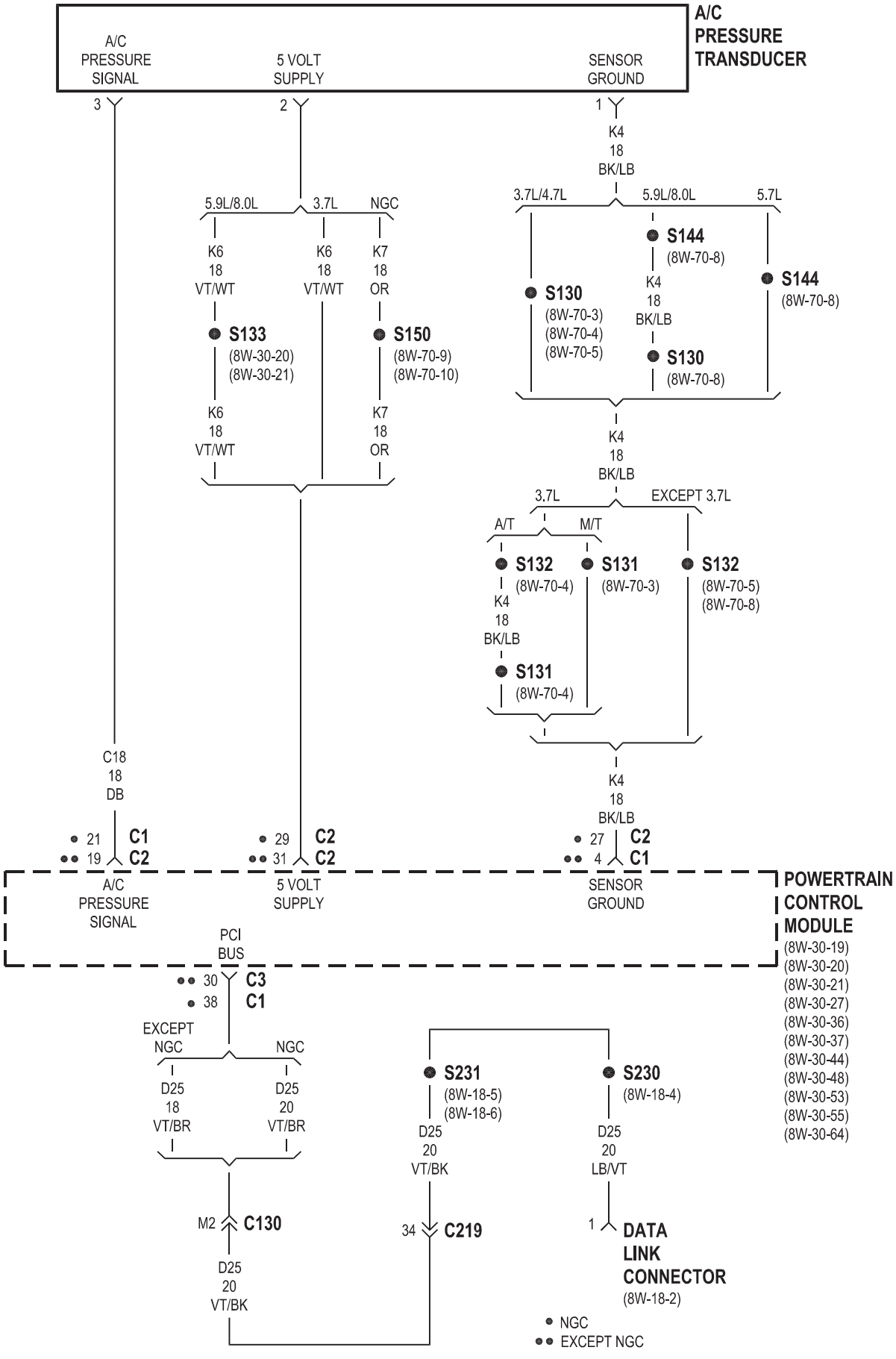

RUN A38
(8W-10-48)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
85
HEATED MIRROR RELAY
(8W-62-3)
86
FUSE 36 10A
(8W-10-47)
26 C5
21 C5
DIESEL
GAS
C16 20 LB/YL
F15 20 DB
F15 20 DB
S140
(8W-10-58)
F15 20 DB
32
46 C219
2 DATA LINK CONNECTOR
(8W-18-2)
F15 20 DB
EXCEPT ADJUSTABLE PEDAL
ADJUSTABLE PEDAL
D25 20 LB/VT
S225
(8W-10-46)
S230
(8W-18-4)
F15 20 DB
C16 20 LB/YL
D25 20 VT/LG
1 C1
15 C1
16 C1
A/C-HEATER CONTROL
HVAC MICRO CONTROLLER
2 C1
Z120 20 WT/BK
G202
(8W-15-14)
(8W-15-15)

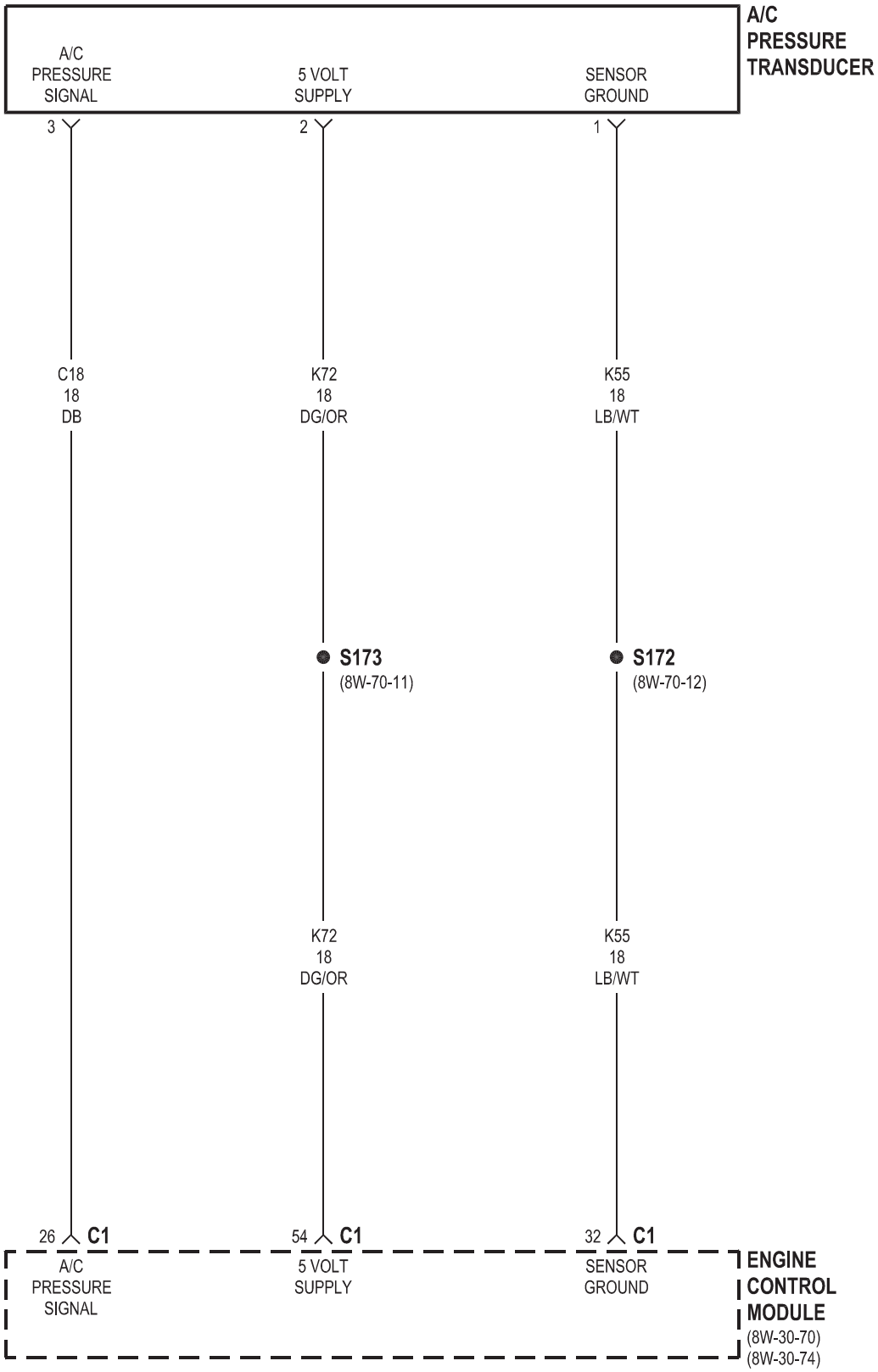

RUN A38
(8W-10-48)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
85
HEATED MIRROR RELAY
(8W-62-3)
FUSE 36 10A
(8W-10-47)
86
26 C5
21 C5
DIESEL
GAS
F15 20 DB
S140
(8W-10-58)
C16 20 LB/YL
32
46 C219
1 DATA LINK CONNECTOR
(8W-18-2)
EXCEPT ADJUSTABLE PEDAL
ADJUSTABLE PEDAL
S225
(8W-10-46)
D25 20 LB/VT
S230
(8W-18-4)
D25 20 VT/LG
1 C1
15 C1
16 C1
A/C-HEATER CONTROL
HVAC MICRO CONTROLLER
2 C1
3 C1
6 C1
Z120 20 WT/BK
C57 20 DB/GY
C12 20 LG/BK
10
9 C200
1
2
SENSOR GROUND
EVAPORATOR TEMPERATURE SENSOR SIGNAL
EVAPORATOR TEMPERATURE SENSOR
G202
(8W-15-14)
(8W-15-15)

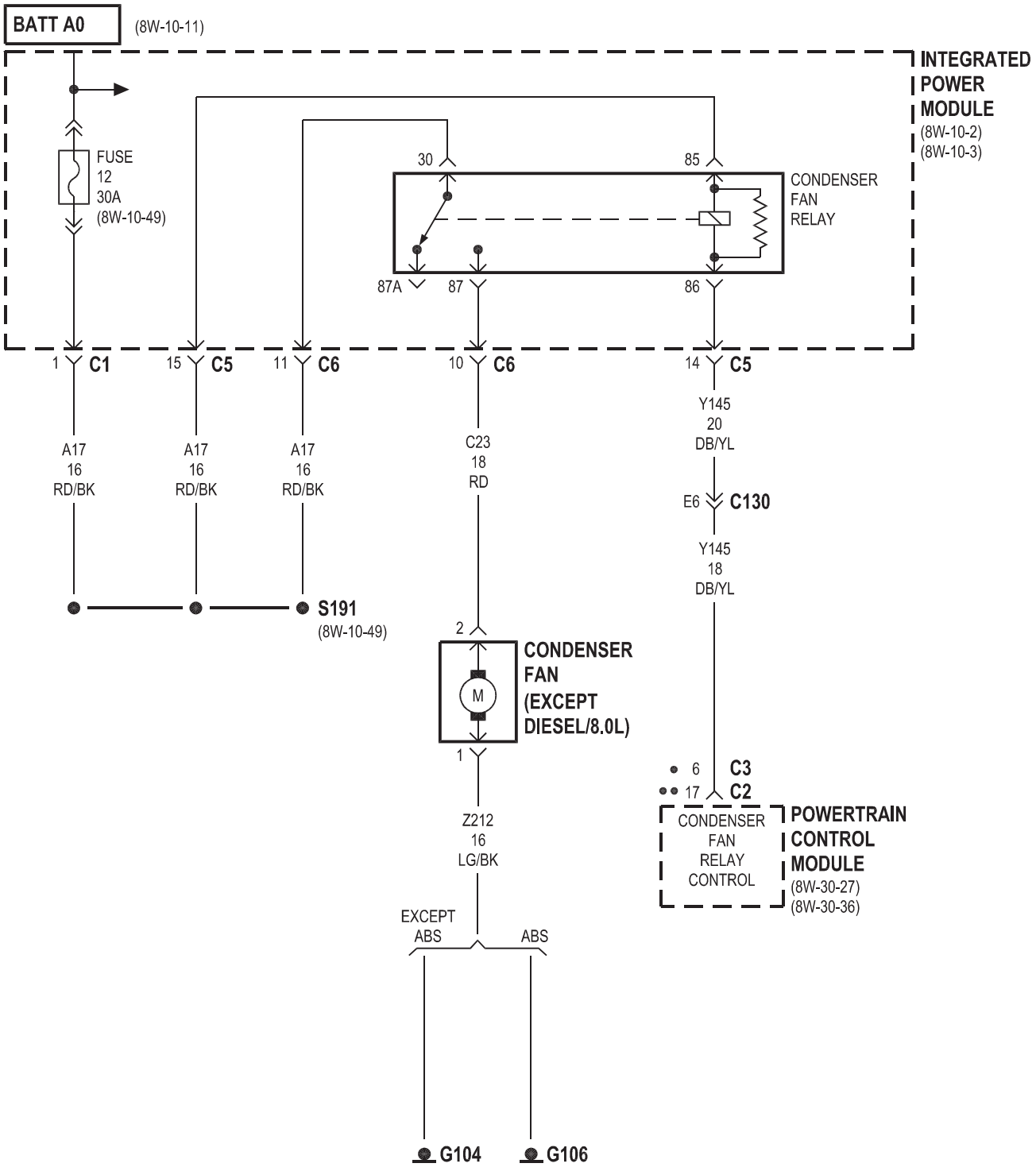

A/C-
HEATER
CONTROL
1 OFF
2 A/C SELECT
3 RECIRCULATION
4 HEATED MIRROR
HVAC MICRO CONTROLLER
A/C
INDICATOR
RECIRCULATION
INDICATOR
HEATER
MIRROR
INDICATOR
PASSENGER
BLEND
DOOR
DRIVER
COMMON
DOOR
DRIVER
RECIRCULATION
DOOR
DRIVER
BLEND
DOOR
DRIVER
C1
C46
20
YL/LG
C33
20
DB/RD
C34
20
DB/WT
C32
20
GY/DB
C35
20
DG/YL
C62
20
DB/PK
C200
PASSENGER
BLEND
DOOR
ACTUATOR
RECIRCULATION
DOOR
ACTUATOR
DRIVER
BLEND
DOOR
ACTUATOR
MODE
DOOR
ACTUATOR 2
MODE
DOOR
ACTUATOR 1
S226


A/C-
HEATER
CONTROL
1 OFF
2 A/C SELECT
3 RECIRCULATION
4 HEATED MIRROR
HVAC MICRO CONTROLLER
A/C
INDICATOR
RECIRCULATION
INDICATOR
HEATER
MIRROR
INDICATOR
COMMON
DOOR
DRIVER
RECIRCULATION
DOOR
DRIVER
BLEND
DOOR
DRIVER
C1
C200
C33
20
DB/RD
C34
20
DB/WT
C32
20
GY/DB
C35
20
DG/YL
C62
20
DB/PK
RECIRCULATION
DOOR
ACTUATOR
BLEND
DOOR
ACTUATOR
MODE
DOOR
ACTUATOR 2
MODE
DOOR
ACTUATOR 1
S226


BATT A0
(8W-10-11)
RUN-START A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 16 10A
(8W-10-43)
(8W-10-44)
PTC NO. 1 7.5A
(8W-10-43)
(8W-10-44)
30
85
A/C COMPRESSOR CLUTCH RELAY
87
87A
86
18 C5
C3 18 DB/BK
11 C5
C13 18 DB/OR
M5
C3 18 DB/BK
K2 C130
GAS
DIESEL
GAS
EXCEPT 8.0L
8.0L
C3 18 DB/BK
C3 20 DB/BK
1
A/C COMPRESSOR CLUTCH
2
Z359 18 BK/BR
G107
(8W-15-8)
(8W-15-9)
(8W-15-10)
1 C110
C3 18 DB/BK
1 C112
C3 18 DB/BK
1
A/C COMPRESSOR CLUTCH
2
Z359 18 BK/BR
S176
(8W-15-11)
Z11 12 BK/WT
G120
(8W-15-11)
C13 18 DB/OR
11
1 C3
A/C COMPRESSOR CLUTCH RELAY CONTROL
POWERTRAIN CONTROL MODULE
(8W-30-27)
(8W-30-36)
C13 18 DB/OR
2 C108
C13 18 DB/OR
41 C2
ENGINE CONTROL MODULE
(8W-30-83)
NGC
EXCEPT NGC

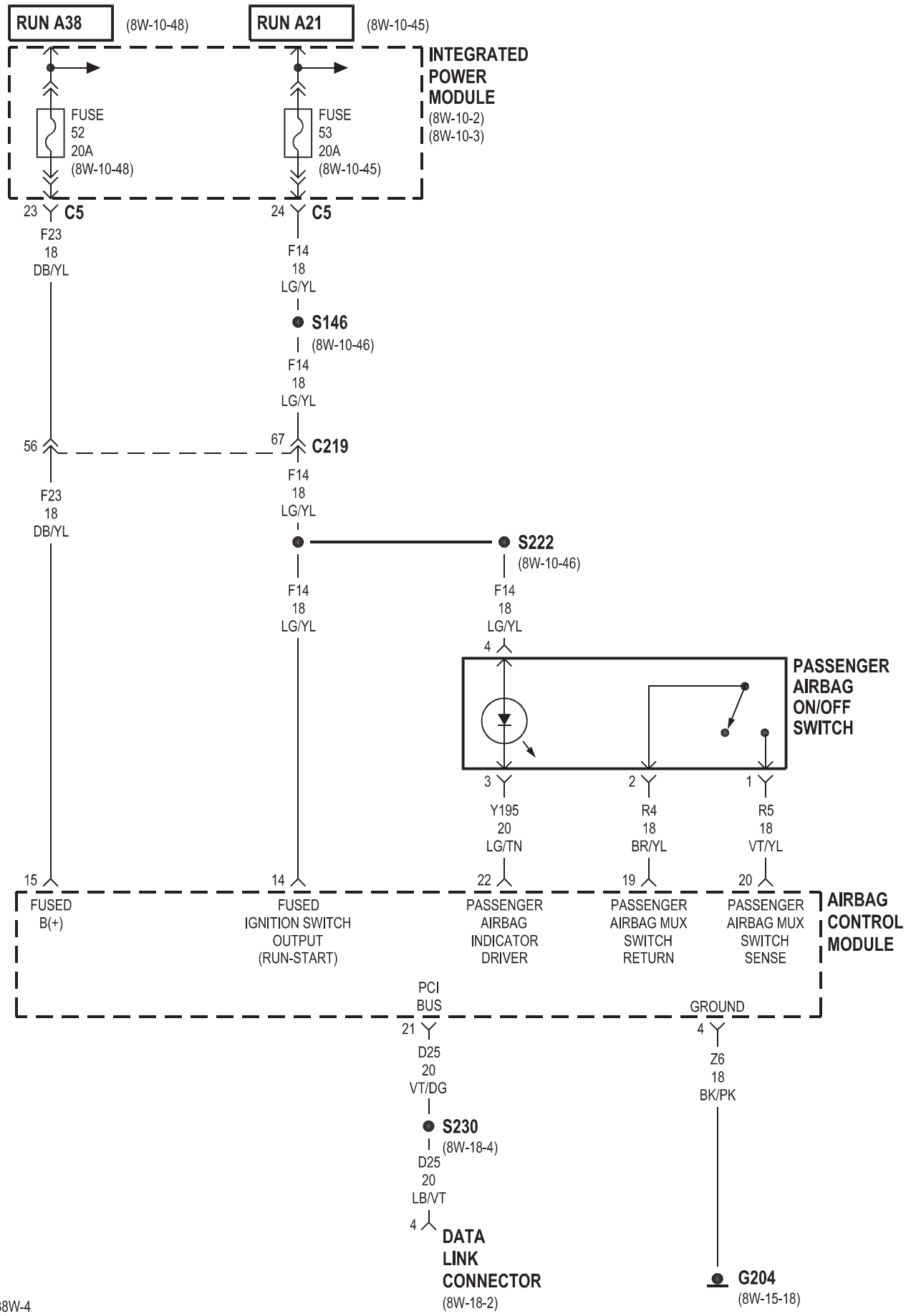

A/C PRESSURE TRANSDUCER
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
3
2
1
K4 18 BK/LB
3.7L/4.7L
5.9L/8.0L
5.7L
S144 (8W-70-8)
S130 (8W-70-3) (8W-70-4) (8W-70-5)
K4 18 BK/LB
S130 (8W-70-8)
S144 (8W-70-8)
5.9L/8.0L
3.7L
NGC
K6 18 VT/WT
K6 18 VT/WT
K7 18 OR
S133 (8W-30-20) (8W-30-21)
S150 (8W-70-9) (8W-70-10)
K6 18 VT/WT
K7 18 OR
K4 18 BK/LB
3.7L
EXCEPT 3.7L
A/T
M/T
S132 (8W-70-4)
S131 (8W-70-3)
S132 (8W-70-5) (8W-70-8)
K4 18 BK/LB
S131 (8W-70-4)
C18 18 DB
K4 18 BK/LB
21 C1
19 C2
29 C2
31 C2
27 C2
4 C1
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
POWERTRAIN CONTROL MODULE
(8W-30-19) (8W-30-20) (8W-30-21) (8W-30-27) (8W-30-36) (8W-30-37) (8W-30-44) (8W-30-48) (8W-30-53) (8W-30-55) (8W-30-64)
PCI BUS
30 C3
38 C1
EXCEPT NGC
NGC
D25 18 VT/BR
D25 20 VT/BR
S231 (8W-18-5) (8W-18-6)
S230 (8W-18-4)
D25 20 VT/BK
D25 20 LB/VT
M2 C130
34 C219
1 DATA LINK CONNECTOR (8W-18-2)
D25 20 VT/BK
NGC
EXCEPT NGC

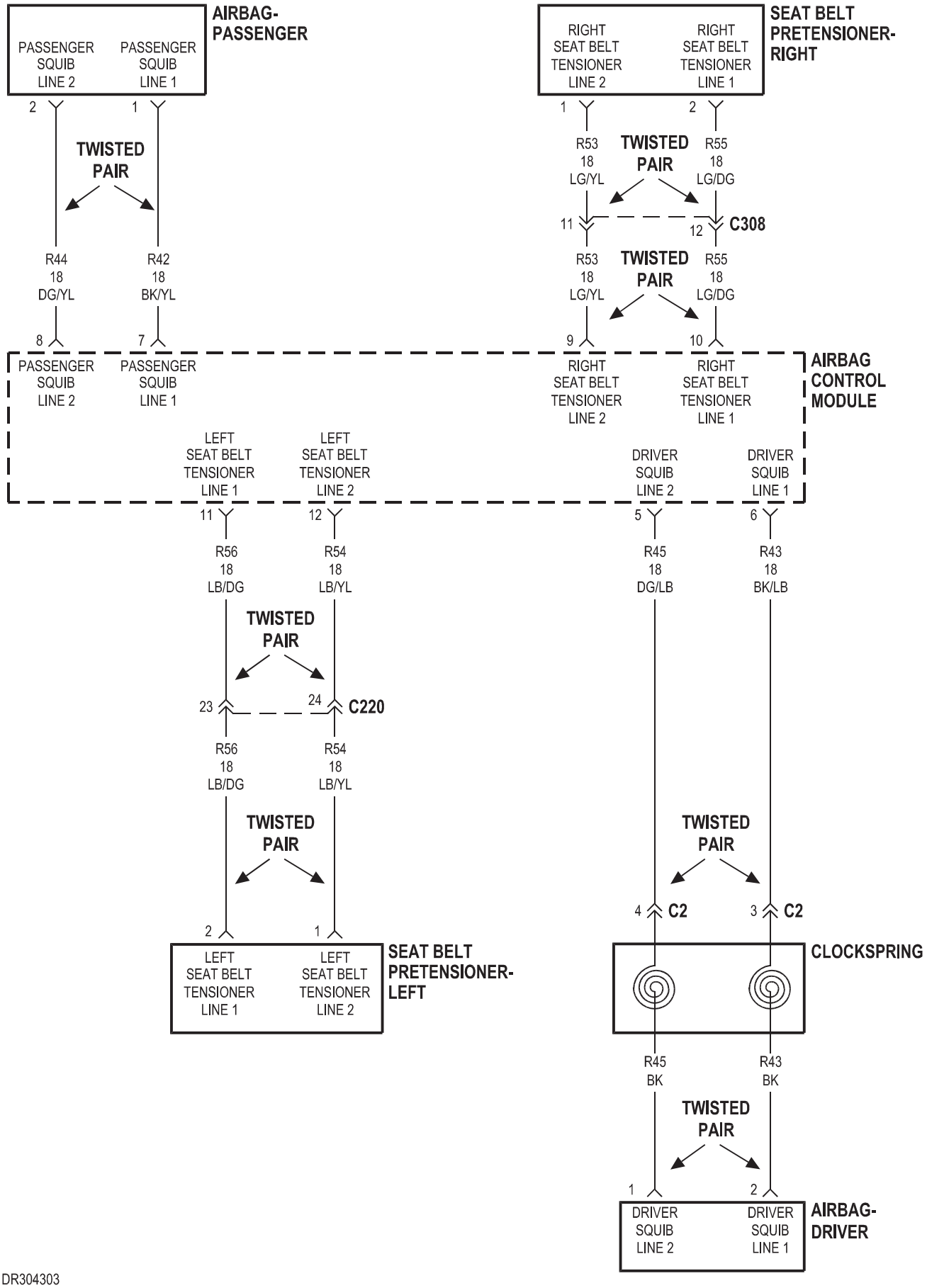

A/C PRESSURE TRANSDUCER
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
3
2
1
C18 18 DB
K72 18 DG/OR
K55 18 LB/WT
S173 (8W-70-11)
S172 (8W-70-12)
K72 18 DG/OR
K55 18 LB/WT
26 C1
54 C1
32 C1
A/C PRESSURE SIGNAL
5 VOLT SUPPLY
SENSOR GROUND
ENGINE CONTROL MODULE (8W-30-70) (8W-30-74)

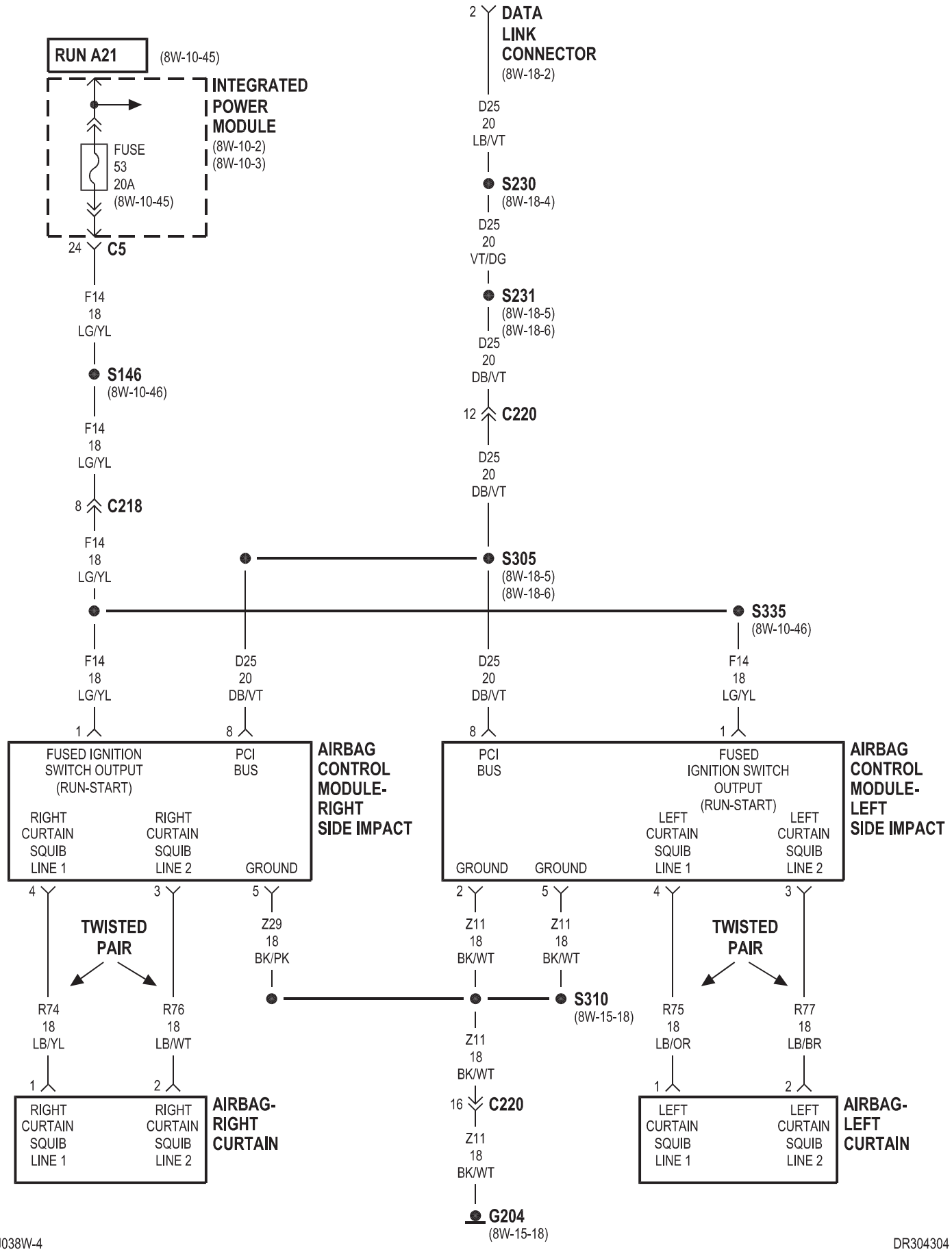

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 12 30A
(8W-10-49)
30
85
CONDENSER FAN RELAY
87A
87
86
1 C1
15 C5
11 C6
10 C6
14 C5
A17 16 RD/BK
A17 16 RD/BK
A17 16 RD/BK
C23 18 RD
Y145 20 DB/YL
E6 C130
Y145 18 DB/YL
S191
(8W-10-49)
2
M
CONDENSER FAN (EXCEPT DIESEL/8.0L)
1
Z212 16 LG/BK
EXCEPT ABS
ABS
G104
G106
6 C3
17 C2
CONDENSER FAN RELAY CONTROL
POWERTRAIN CONTROL MODULE
(8W-30-27)
(8W-30-36)
• NGC
•• EXCEPT NGC

8W-43 AIRBAG SYSTEM

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

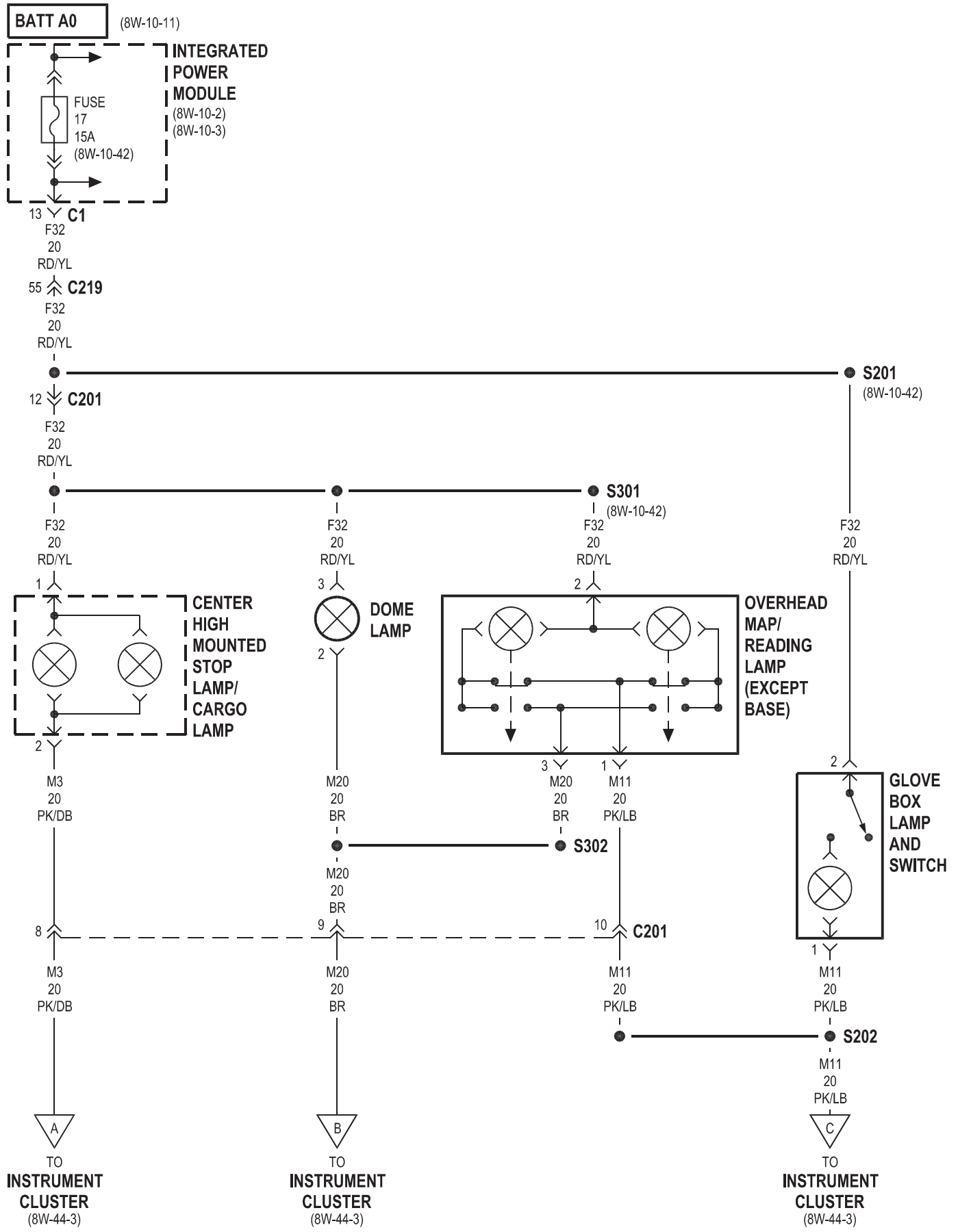

RUN A38
(8W-10-48)
RUN A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 52 20A (8W-10-48)
FUSE 53 20A (8W-10-45)
23 C5
24 C5
F23 18 DB/YL
F14 18 LG/YL
S146
(8W-10-46)
F14 18 LG/YL
56
67 C219
F23 18 DB/YL
F14 18 LG/YL
S222
(8W-10-46)
F14 18 LG/YL
4
PASSENGER AIRBAG ON/OFF SWITCH
3
2
1
Y195 20 LG/TN
R4 18 BR/YL
R5 18 VT/YL
15
14
22
19
20
FUSED B(+)
FUSED IGNITION SWITCH OUTPUT (RUN-START)
PASSENGER AIRBAG INDICATOR DRIVER
PASSENGER AIRBAG MUX SWITCH RETURN
PASSENGER AIRBAG MUX SWITCH SENSE
AIRBAG CONTROL MODULE
PCI BUS
GROUND
21
4
D25 20 VT/DG
Z6 18 BK/PK
S230
(8W-18-4)
D25 20 LB/VT
4
DATA LINK CONNECTOR
(8W-18-2)
G204
(8W-15-18)


AIRBAG-
PASSENGER
PASSENGER SQUIB LINE 2
PASSENGER SQUIB LINE 1
2
1
TWISTED PAIR
R44 18 DG/YL
R42 18 BK/YL
8
7
SEAT BELT PRETENSIONER-
RIGHT
RIGHT SEAT BELT TENSIONER LINE 2
RIGHT SEAT BELT TENSIONER LINE 1
1
2
R53 18 LG/YL
R55 18 LG/DG
TWISTED PAIR
11
12
C308
R53 18 LG/YL
R55 18 LG/DG
TWISTED PAIR
9
10
AIRBAG CONTROL MODULE
PASSENGER SQUIB LINE 2
PASSENGER SQUIB LINE 1
RIGHT SEAT BELT TENSIONER LINE 2
RIGHT SEAT BELT TENSIONER LINE 1
LEFT SEAT BELT TENSIONER LINE 1
LEFT SEAT BELT TENSIONER LINE 2
DRIVER SQUIB LINE 2
DRIVER SQUIB LINE 1
11
12
5
6
R56 18 LB/DG
R54 18 LB/YL
R45 18 DG/LB
R43 18 BK/LB
TWISTED PAIR
23
24
C220
R56 18 LB/DG
R54 18 LB/YL
TWISTED PAIR
TWISTED PAIR
2
1
4
C2
3
C2
SEAT BELT PRETENSIONER-
LEFT
LEFT SEAT BELT TENSIONER LINE 1
LEFT SEAT BELT TENSIONER LINE 2
CLOCKSPRING
R45 BK
R43 BK
TWISTED PAIR
1
2
AIRBAG-
DRIVER
DRIVER SQUIB LINE 2
DRIVER SQUIB LINE 1


RUN A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 53 20A
(8W-10-45)
24 C5
F14 18 LG/YL
S146
(8W-10-46)
F14 18 LG/YL
8 C218
F14 18 LG/YL
2 DATA LINK CONNECTOR
(8W-18-2)
D25 20 LB/VT
S230
(8W-18-4)
D25 20 VT/DG
S231
(8W-18-5)
(8W-18-6)
D25 20 DB/VT
12 C220
D25 20 DB/VT
S305
(8W-18-5)
(8W-18-6)
S335
(8W-10-46)
F14 18 LG/YL
D25 20 DB/VT
D25 20 DB/VT
F14 18 LG/YL
1
8
8
1
FUSED IGNITION SWITCH OUTPUT (RUN-START)
PCI BUS
RIGHT CURTAIN SQUIB LINE 1
RIGHT CURTAIN SQUIB LINE 2
GROUND
AIRBAG CONTROL MODULE-RIGHT SIDE IMPACT
PCI BUS
FUSED IGNITION SWITCH OUTPUT (RUN-START)
GROUND
GROUND
LEFT CURTAIN SQUIB LINE 1
LEFT CURTAIN SQUIB LINE 2
AIRBAG CONTROL MODULE-LEFT SIDE IMPACT
4
3
5
2
5
4
3
TWISTED PAIR
Z29 18 BK/PK
Z11 18 BK/WT
Z11 18 BK/WT
TWISTED PAIR
R74 18 LB/YL
R76 18 LB/WT
S310
(8W-15-18)
R75 18 LB/OR
R77 18 LB/BR
Z11 18 BK/WT
1
2
16 C220
1
2
RIGHT CURTAIN SQUIB LINE 1
RIGHT CURTAIN SQUIB LINE 2
AIRBAG-RIGHT CURTAIN
LEFT CURTAIN SQUIB LINE 1
LEFT CURTAIN SQUIB LINE 2
AIRBAG-LEFT CURTAIN
Z11 18 BK/WT
G204
(8W-15-18)

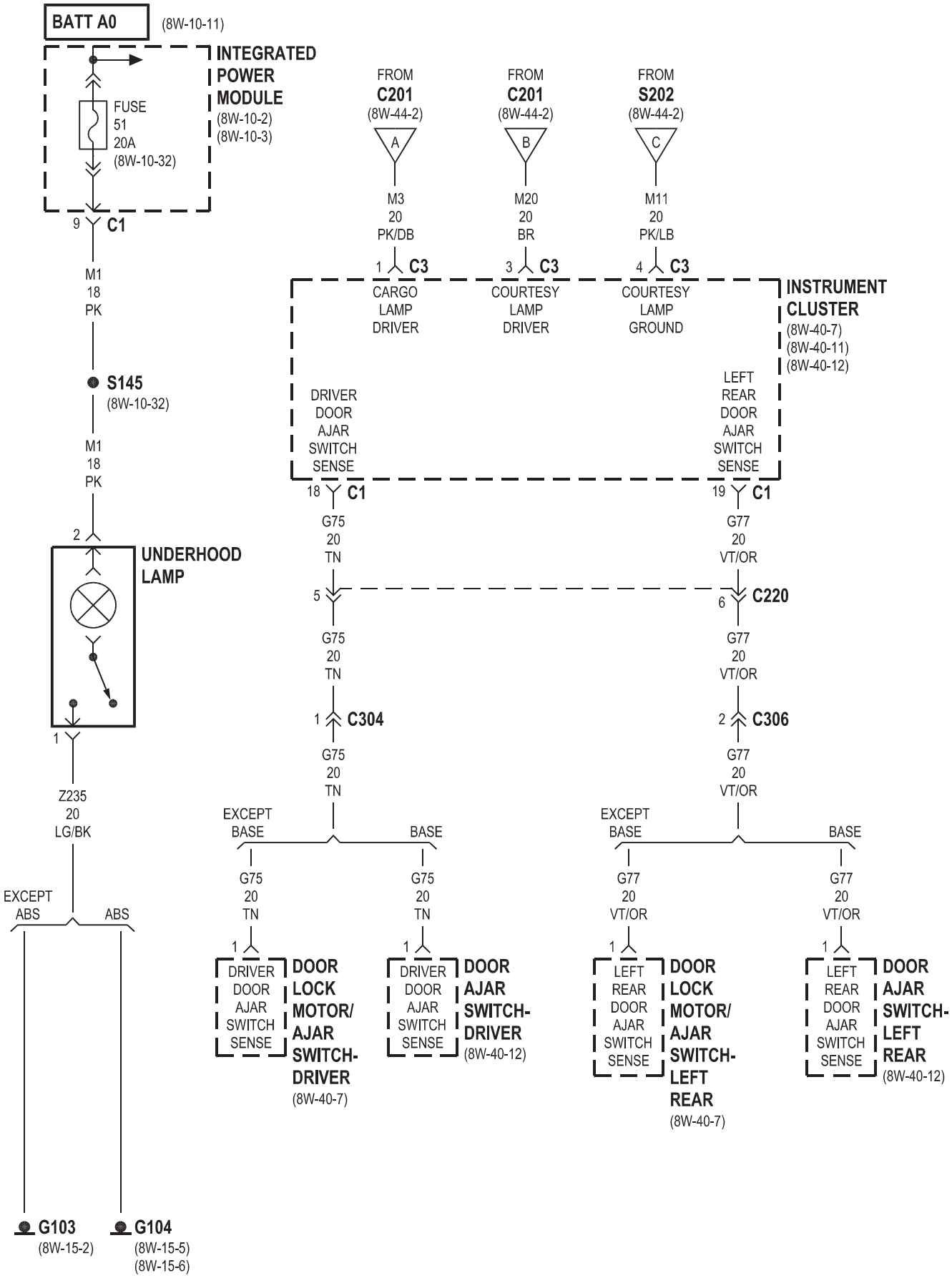
8W-44 INTERIOR LIGHTING

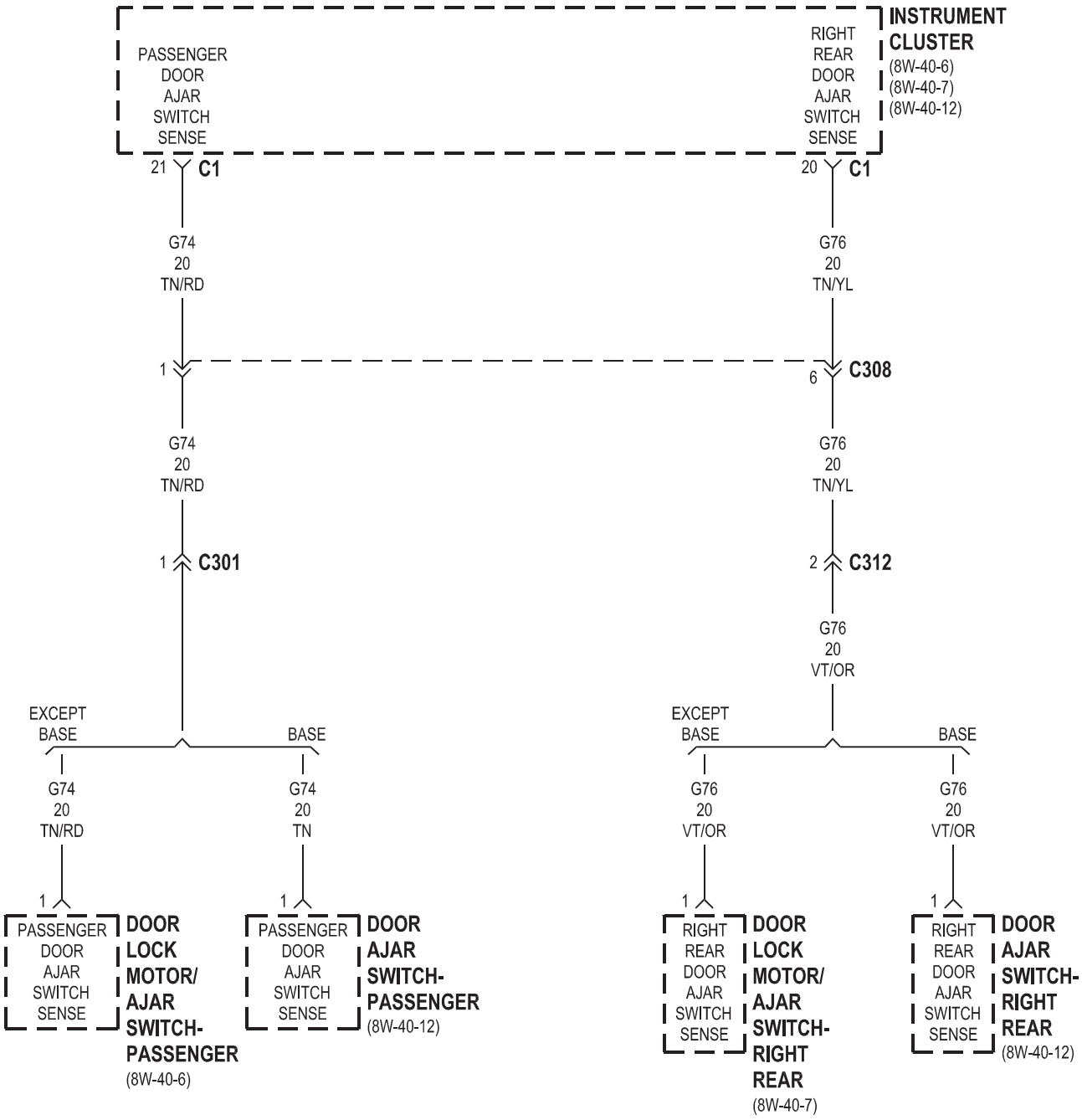
Component	Page
Center High Mounted Stop Lamp/Cargo Lamp	8W-44-2
Dome Lamp	8W-44-2
Door Ajar Switch-Driver	8W-44-3
Door Ajar Switch-Left Rear	8W-44-3
Door Ajar Switch-Passenger	8W-44-4
Door Ajar Switch-Right Rear	8W-44-4
Door Lock Motor/Ajar Switch-Driver	8W-44-3
Door Lock Motor/Ajar Switch-Left Rear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



J038W-4

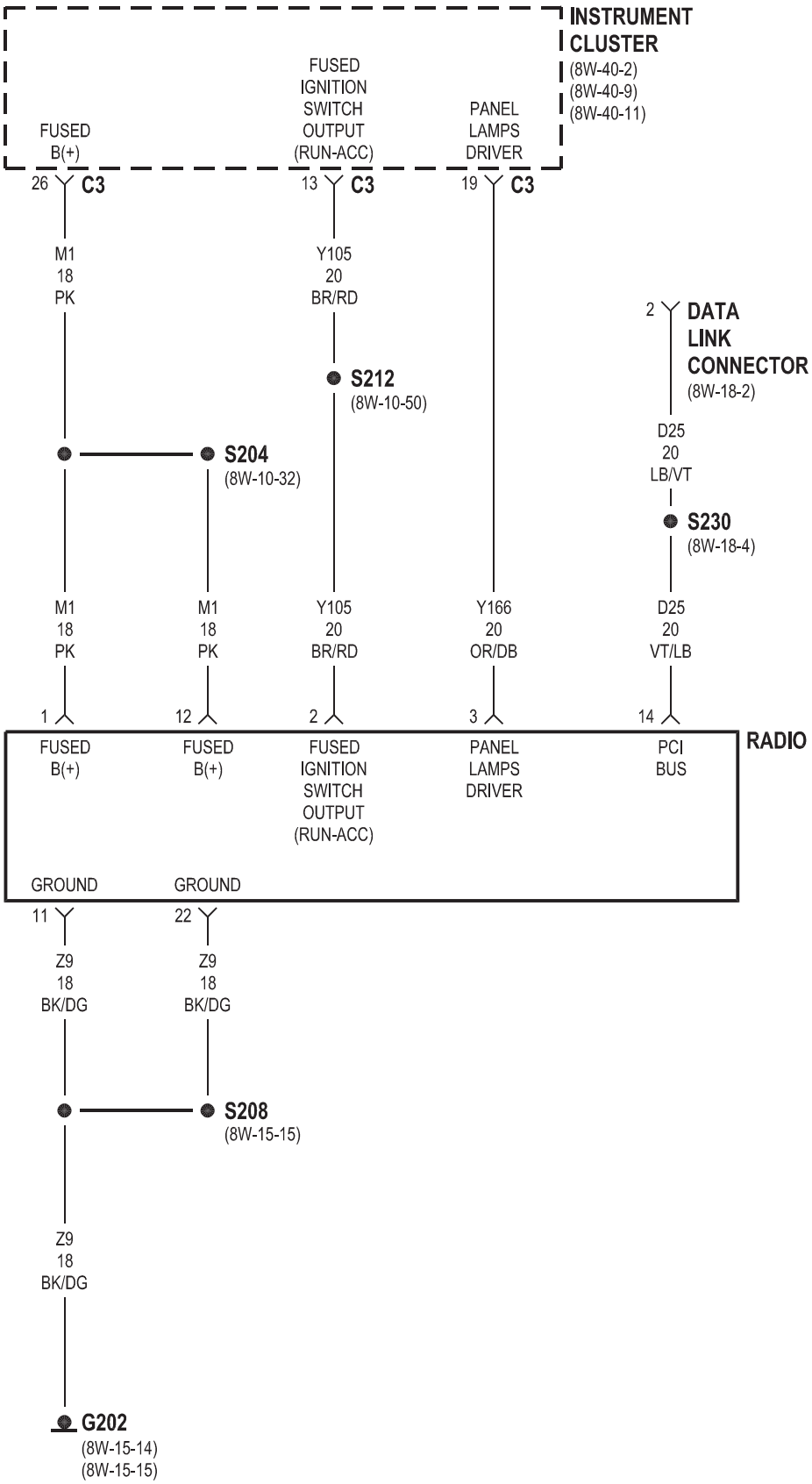
DR304402

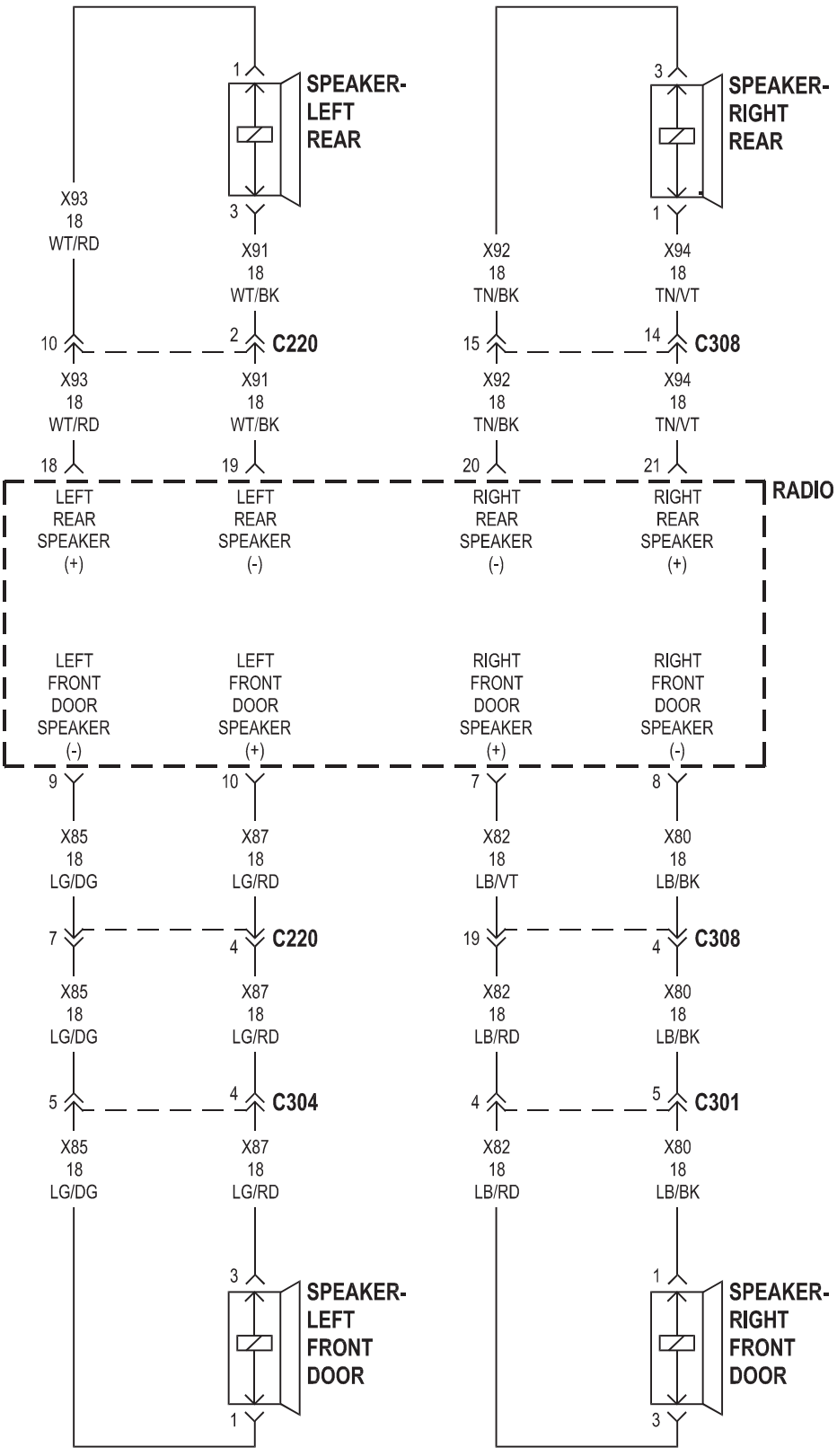

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 51 20A
(8W-10-32)
9 C1
M1 18 PK
S145
(8W-10-32)
M1 18 PK
2
UNDERHOOD LAMP
1
Z235 20 LG/BK
EXCEPT ABS
ABS
G103
(8W-15-2)
G104
(8W-15-5)
(8W-15-6)
FROM C201 (8W-44-2)
A
M3 20 PK/DB
1 C3
CARGO LAMP DRIVER
FROM C201 (8W-44-2)
B
M20 20 BR
3 C3
COURTESY LAMP DRIVER
FROM S202 (8W-44-2)
C
M11 20 PK/LB
4 C3
COURTESY LAMP GROUND
INSTRUMENT CLUSTER
(8W-40-7)
(8W-40-11)
(8W-40-12)
DRIVER DOOR AJAR SWITCH SENSE
18 C1
G75 20 TN
LEFT REAR DOOR AJAR SWITCH SENSE
19 C1
G77 20 VT/OR
5
G75 20 TN
6 C220
G77 20 VT/OR
1 C304
G75 20 TN
2 C306
G77 20 VT/OR
EXCEPT BASE
BASE
G75 20 TN
1
DRIVER DOOR AJAR SWITCH SENSE
DOOR LOCK MOTOR/ AJAR SWITCH-DRIVER
(8W-40-7)
G75 20 TN
1
DRIVER DOOR AJAR SWITCH SENSE
DOOR AJAR SWITCH-DRIVER
(8W-40-12)
EXCEPT BASE
BASE
G77 20 VT/OR
1
LEFT REAR DOOR AJAR SWITCH SENSE
DOOR LOCK MOTOR/ AJAR SWITCH-LEFT REAR
(8W-40-7)
G77 20 VT/OR
1
LEFT REAR DOOR AJAR SWITCH SENSE
DOOR AJAR SWITCH-LEFT REAR
(8W-40-12)

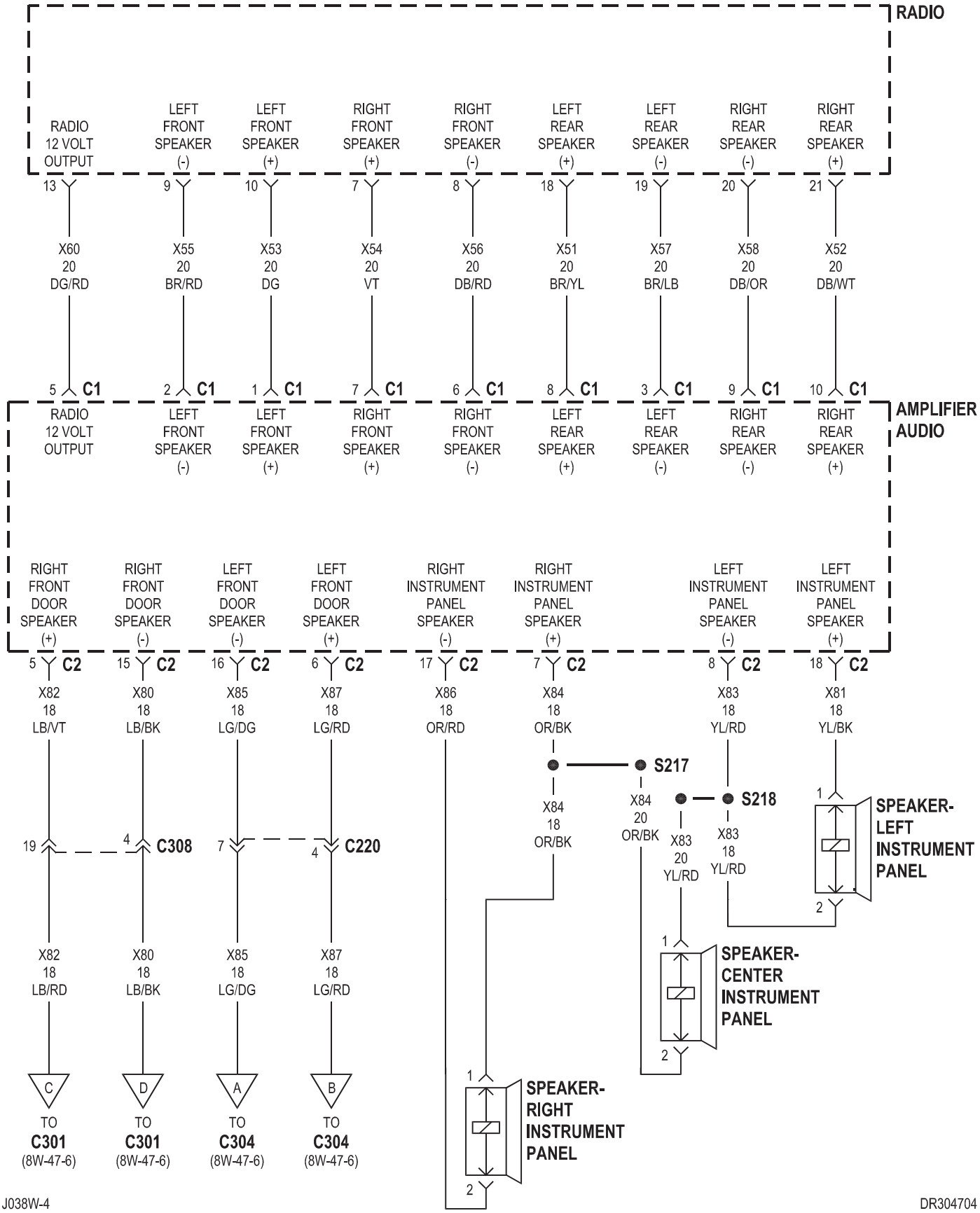

INSTRUMENT CLUSTER
(8W-40-6)
(8W-40-7)
(8W-40-12)
PASSENGER DOOR AJAR SWITCH SENSE
RIGHT REAR DOOR AJAR SWITCH SENSE
21 C1
20 C1
G74 20 TN/RD
G76 20 TN/YL
1
6 C308
G74 20 TN/RD
G76 20 TN/YL
1 C301
2 C312
G76 20 VT/OR
EXCEPT BASE
BASE
EXCEPT BASE
BASE
G74 20 TN/RD
G74 20 TN
G76 20 VT/OR
G76 20 VT/OR
1
1
1
1
PASSENGER DOOR AJAR SWITCH SENSE
DOOR LOCK MOTOR/ AJAR SWITCH- PASSENGER
(8W-40-6)
PASSENGER DOOR AJAR SWITCH SENSE
DOOR AJAR SWITCH- PASSENGER
(8W-40-12)
RIGHT REAR DOOR AJAR SWITCH SENSE
DOOR LOCK MOTOR/ AJAR SWITCH- RIGHT REAR
(8W-40-7)
RIGHT REAR DOOR AJAR SWITCH SENSE
DOOR AJAR SWITCH- RIGHT REAR
(8W-40-12)

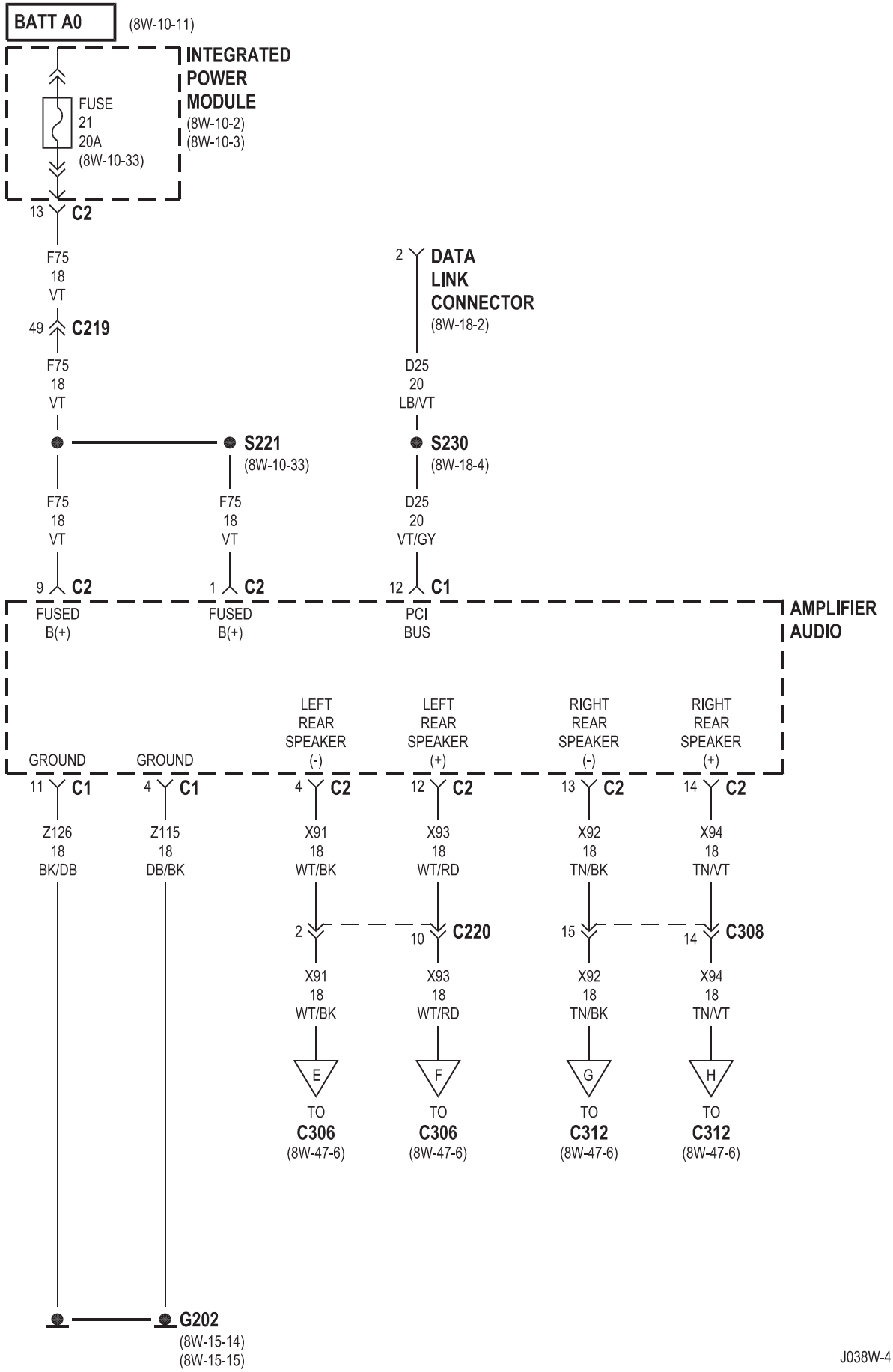
8W-47 AUDIO SYSTEM

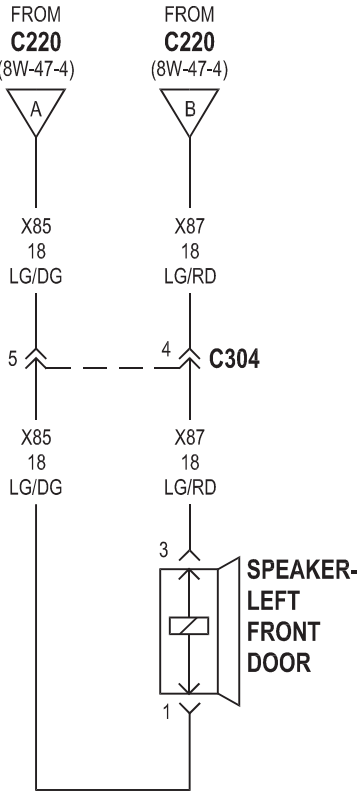
Component	Page
Amplifier Audio	8W-47-4, 5
Clockspring	8W-47-7
Data Link Connector	8W-47-2, 5
Fuse 21	8W-47-5
G201	8W-47-7
G202	8W-47-2, 5
Instrument Cluster	8W-47-2, 7
Integrated Power Module	8W-47-5
Radio	8W-47-2, 3, 4, 7
Remote Radio Switch-Left	8W-47-7
Remote Radio Switch-Right	8W-47-7
Speaker-Center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

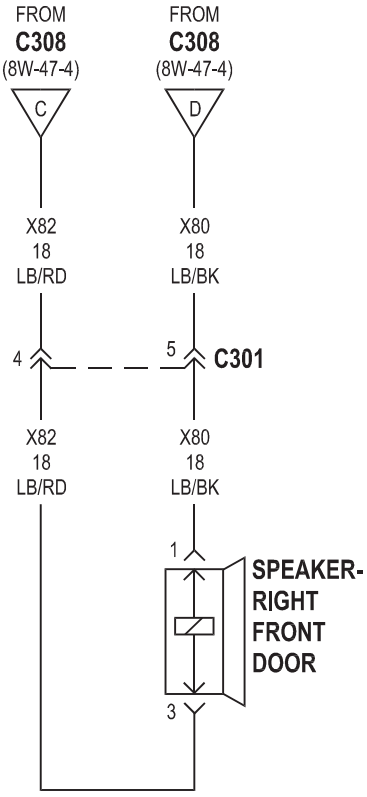

INSTRUMENT CLUSTER
(8W-40-2)
(8W-40-9)
(8W-40-11)
FUSED B(+)
FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
PANEL LAMPS DRIVER
26 C3
13 C3
19 C3
M1 18 PK
Y105 20 BR/RD
S212
(8W-10-50)
2 DATA LINK CONNECTOR
(8W-18-2)
D25 20 LB/VT
S230
(8W-18-4)
S204
(8W-10-32)
M1 18 PK
M1 18 PK
Y105 20 BR/RD
Y166 20 OR/DB
D25 20 VT/LB
1
12
2
3
14
FUSED B(+)
FUSED B(+)
FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
PANEL LAMPS DRIVER
PCI BUS
RADIO
GROUND
GROUND
11
22
Z9 18 BK/DG
Z9 18 BK/DG
S208
(8W-15-15)
Z9 18 BK/DG
G202
(8W-15-14)
(8W-15-15)

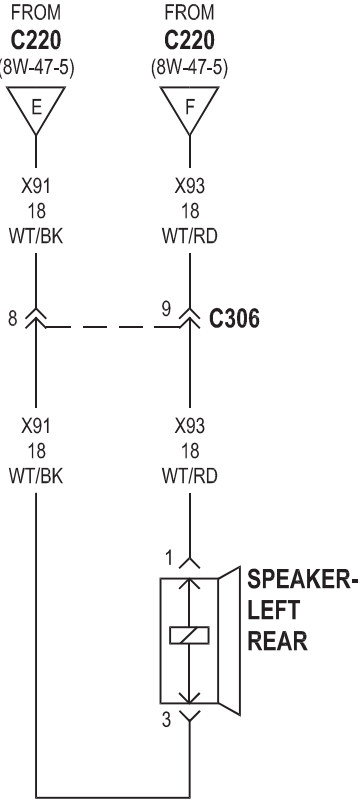

SPEAKER-
LEFT
REAR
SPEAKER-
RIGHT
REAR
X93
18
WT/RD
X91
18
WT/BK
X92
18
TN/BK
X94
18
TN/VT
C220
C308
RADIO
LEFT
REAR
SPEAKER
(+)
LEFT
REAR
SPEAKER
(-)
RIGHT
REAR
SPEAKER
(-)
RIGHT
REAR
SPEAKER
(+)
LEFT
FRONT
DOOR
SPEAKER
(-)
LEFT
FRONT
DOOR
SPEAKER
(+)
RIGHT
FRONT
DOOR
SPEAKER
(+)
RIGHT
FRONT
DOOR
SPEAKER
(-)
X85
18
LG/DG
X87
18
LG/RD
X82
18
LB/VT
X80
18
LB/BK
C220
C308
X85
18
LG/DG
X87
18
LG/RD
X82
18
LB/RD
X80
18
LB/BK
C304
C301
X85
18
LG/DG
X87
18
LG/RD
X82
18
LB/RD
X80
18
LB/BK
SPEAKER-
LEFT
FRONT
DOOR
SPEAKER-
RIGHT
FRONT
DOOR

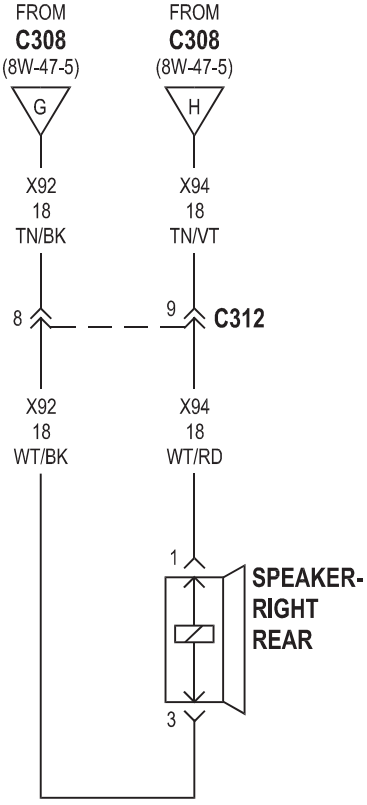

RADIO
RADIO 12 VOLT OUTPUT
LEFT FRONT SPEAKER (-)
LEFT FRONT SPEAKER (+)
RIGHT FRONT SPEAKER (+)
RIGHT FRONT SPEAKER (-)
LEFT REAR SPEAKER (+)
LEFT REAR SPEAKER (-)
RIGHT REAR SPEAKER (-)
RIGHT REAR SPEAKER (+)
13 9 10 7 8 18 19 20 21
X60 20 DG/RD
X55 20 BR/RD
X53 20 DG
X54 20 VT
X56 20 DB/RD
X51 20 BR/YL
X57 20 BR/LB
X58 20 DB/OR
X52 20 DB/WT
5 C1 2 C1 1 C1 7 C1 6 C1 8 C1 3 C1 9 C1 10 C1
AMPLIFIER AUDIO
RADIO 12 VOLT OUTPUT
LEFT FRONT SPEAKER (-)
LEFT FRONT SPEAKER (+)
RIGHT FRONT SPEAKER (+)
RIGHT FRONT SPEAKER (-)
LEFT REAR SPEAKER (+)
LEFT REAR SPEAKER (-)
RIGHT REAR SPEAKER (-)
RIGHT REAR SPEAKER (+)
RIGHT FRONT DOOR SPEAKER (+)
RIGHT FRONT DOOR SPEAKER (-)
LEFT FRONT DOOR SPEAKER (-)
LEFT FRONT DOOR SPEAKER (+)
RIGHT INSTRUMENT PANEL SPEAKER (-)
RIGHT INSTRUMENT PANEL SPEAKER (+)
LEFT INSTRUMENT PANEL SPEAKER (-)
LEFT INSTRUMENT PANEL SPEAKER (+)
5 C2 15 C2 16 C2 6 C2 17 C2 7 C2 8 C2 18 C2
X82 18 LB/VT
X80 18 LB/BK
X85 18 LG/DG
X87 18 LG/RD
X86 18 OR/RD
X84 18 OR/BK
X83 18 YL/RD
X81 18 YL/BK
S217
S218
X84 18 OR/BK
X84 20 OR/BK
X83 20 YL/RD
X83 18 YL/RD
19 4 C308 7 4 C220
X82 18 LB/RD
X80 18 LB/BK
X85 18 LG/DG
X87 18 LG/RD
C D A B
TO C301 (8W-47-6)
TO C301 (8W-47-6)
TO C304 (8W-47-6)
TO C304 (8W-47-6)
SPEAKER- LEFT INSTRUMENT PANEL
SPEAKER- CENTER INSTRUMENT PANEL
SPEAKER- RIGHT INSTRUMENT PANEL

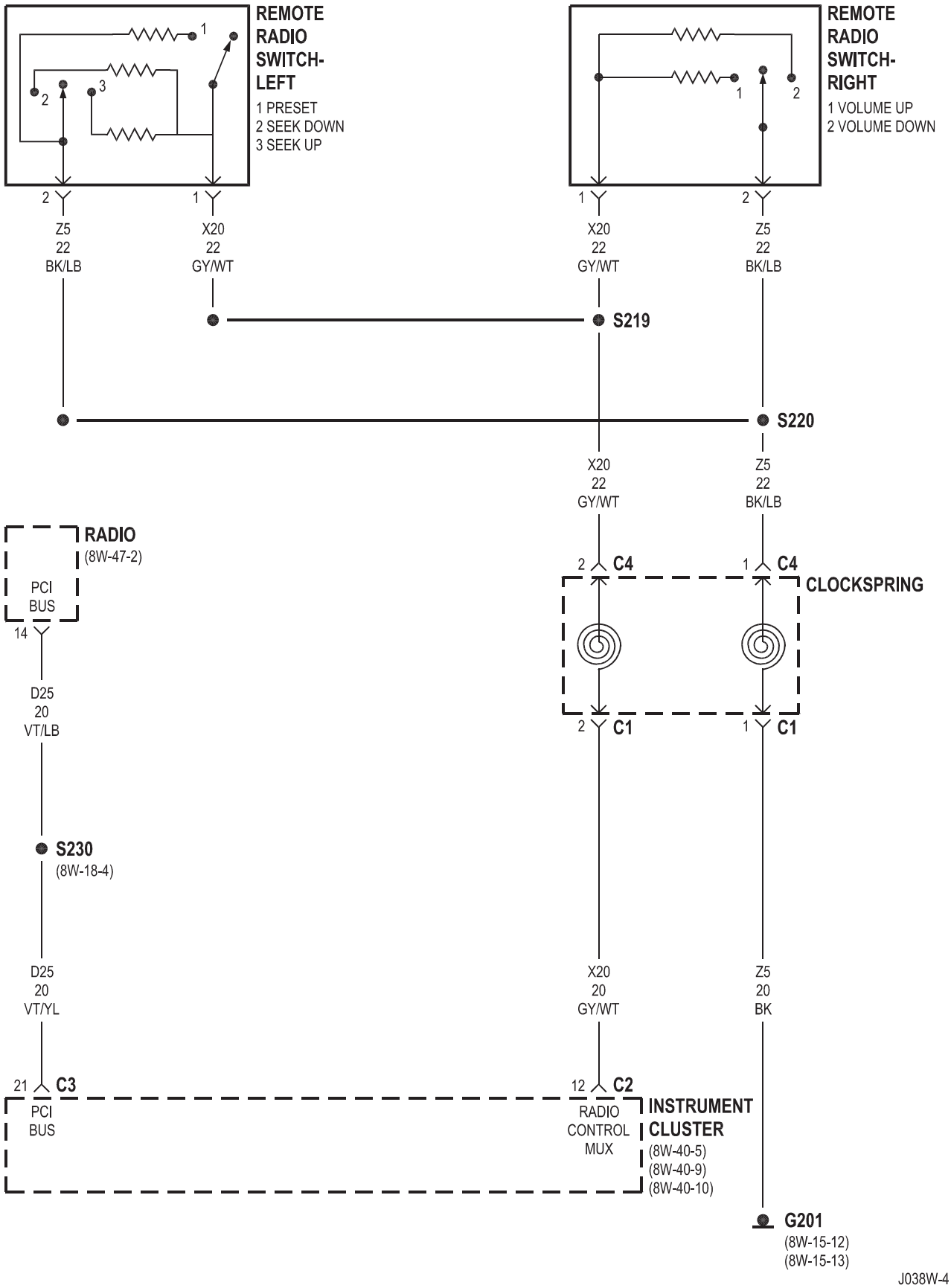

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 21 20A
(8W-10-33)
13 C2
F75 18 VT
49 C219
F75 18 VT
S221
(8W-10-33)
2 DATA LINK CONNECTOR
(8W-18-2)
D25 20 LB/VT
S230
(8W-18-4)
F75 18 VT
F75 18 VT
D25 20 VT/GY
9 C2
FUSED B(+)
1 C2
FUSED B(+)
12 C1
PCI BUS
AMPLIFIER AUDIO
GROUND
GROUND
LEFT REAR SPEAKER (-)
LEFT REAR SPEAKER (+)
RIGHT REAR SPEAKER (-)
RIGHT REAR SPEAKER (+)
11 C1
4 C1
4 C2
12 C2
13 C2
14 C2
Z126 18 BK/DB
Z115 18 DB/BK
X91 18 WT/BK
X93 18 WT/RD
X92 18 TN/BK
X94 18 TN/VT
2
10 C220
15
14 C308
X91 18 WT/BK
X93 18 WT/RD
X92 18 TN/BK
X94 18 TN/VT
E
F
G
H
TO C306
(8W-47-6)
TO C306
(8W-47-6)
TO C312
(8W-47-6)
TO C312
(8W-47-6)
G202
(8W-15-14)
(8W-15-15)


FROM
C220
(8W-47-4)
A
X85
18
LG/DG
5
X85
18
LG/DG
FROM
C220
(8W-47-4)
B
X87
18
LG/RD
4
C304
X87
18
LG/RD
3
SPEAKER-
LEFT
FRONT
DOOR
1


FROM
C308
(8W-47-4)
C
X82
18
LB/RD
4
X82
18
LB/RD
FROM
C308
(8W-47-4)
D
X80
18
LB/BK
5
C301
X80
18
LB/BK
1
SPEAKER-
RIGHT
FRONT
DOOR
3

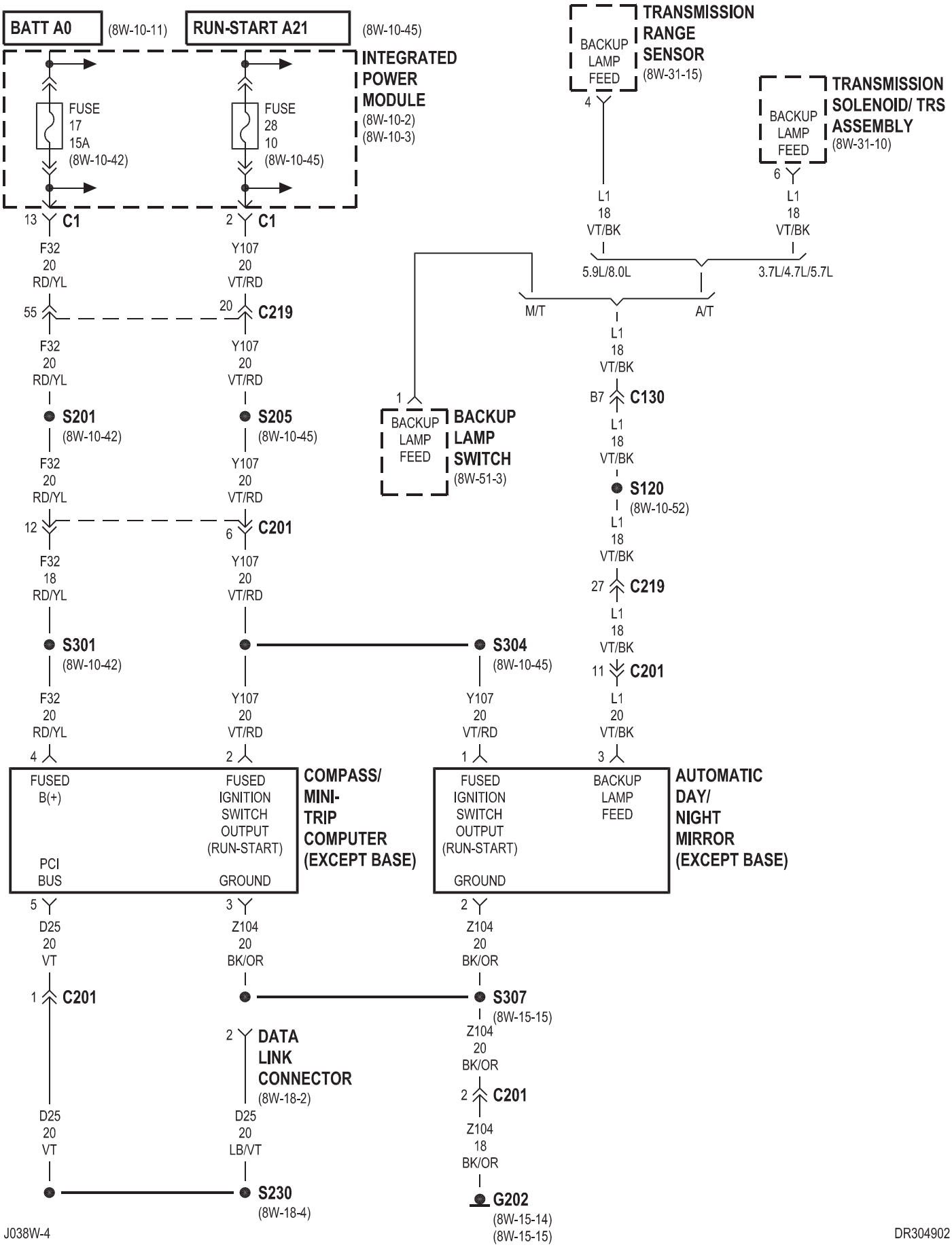

FROM
C220
(8W-47-5)
E
X91
18
WT/BK
8
X91
18
WT/BK
FROM
C220
(8W-47-5)
F
X93
18
WT/RD
9
C306
X93
18
WT/RD
1
SPEAKER-
LEFT
REAR
3

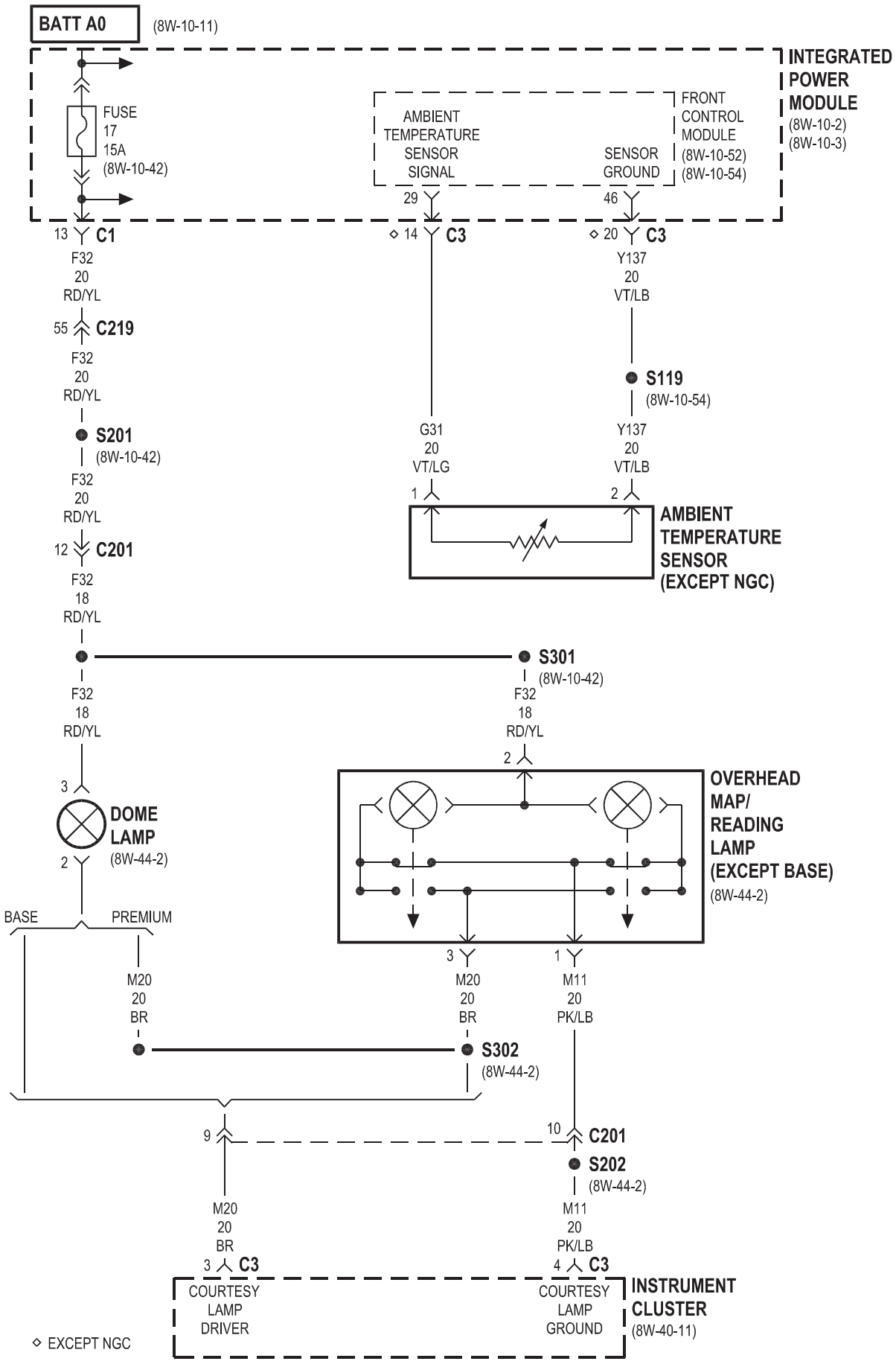

FROM
C308
(8W-47-5)
G
X92
18
TN/BK
8
X92
18
WT/BK
FROM
C308
(8W-47-5)
H
X94
18
TN/VT
9
C312
X94
18
WT/RD
1
SPEAKER-
RIGHT
REAR
3

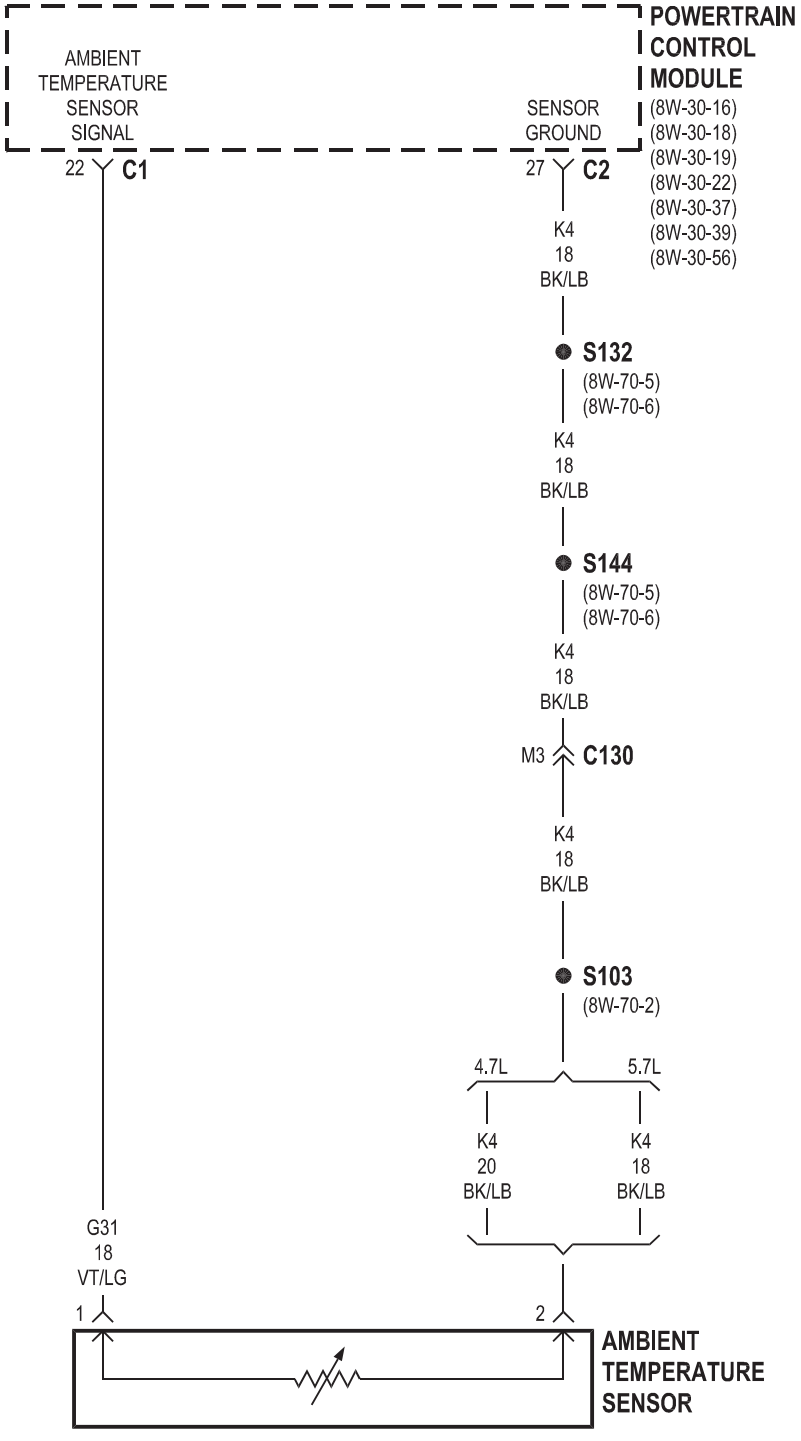

REMOTE RADIO SWITCH-LEFT
1 PRESET
2 SEEK DOWN
3 SEEK UP
REMOTE RADIO SWITCH-RIGHT
1 VOLUME UP
2 VOLUME DOWN
Z5 22 BK/LB
X20 22 GY/WT
S219
S220
RADIO
(8W-47-2)
PCI BUS
D25 20 VT/LB
S230
(8W-18-4)
D25 20 VT/YL
C4
CLOCKSPRING
C1
C3
C2
RADIO CONTROL MUX
INSTRUMENT CLUSTER
(8W-40-5)
(8W-40-9)
(8W-40-10)
X20 20 GY/WT
Z5 20 BK
G201
(8W-15-12)
(8W-15-13)

8W-49 OVERHEAD CONSOLE

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

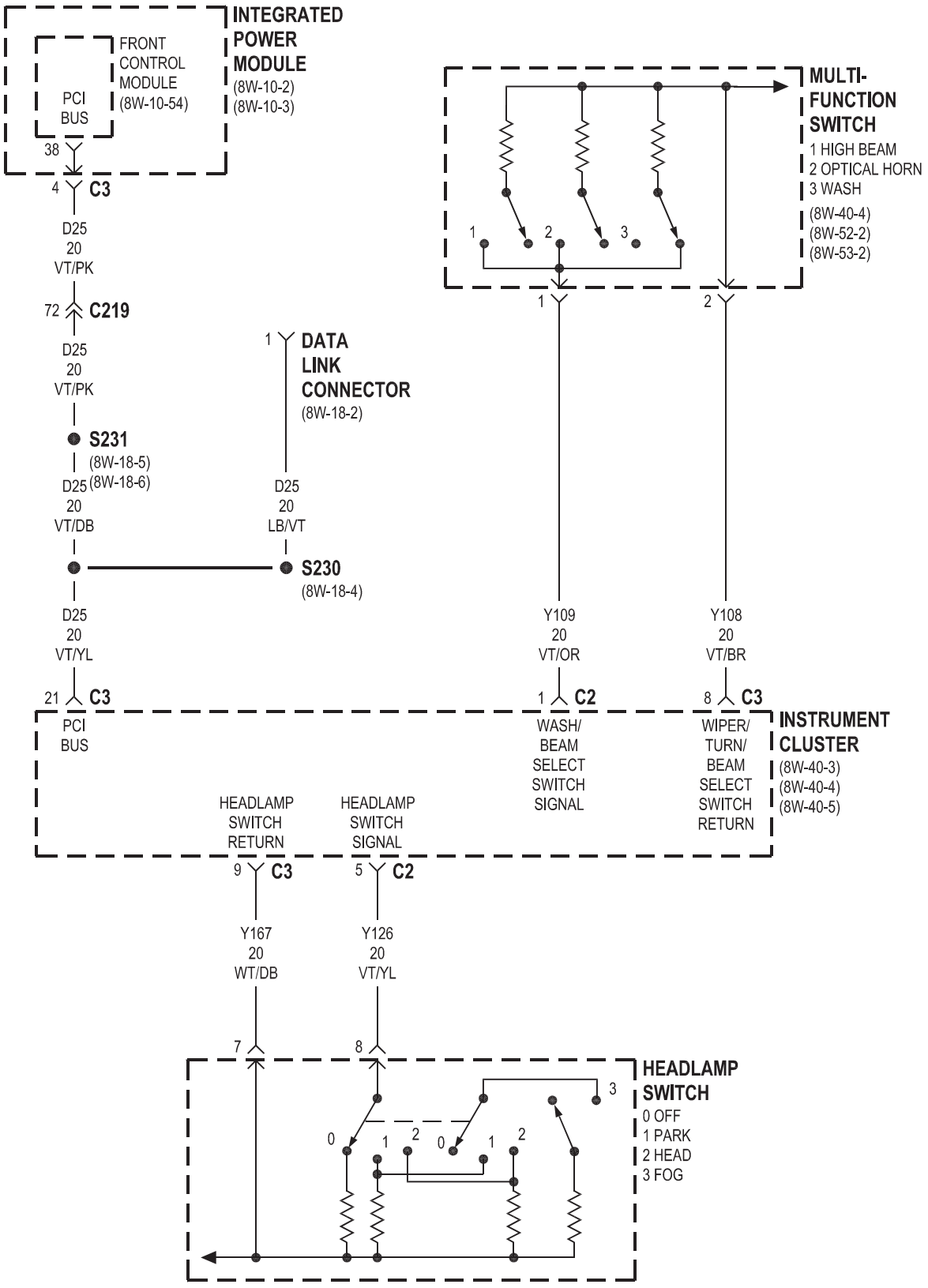

BATT A0
(8W-10-11)
RUN-START A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 17 15A (8W-10-42)
FUSE 28 10 (8W-10-45)
13 C1
2 C1
F32 20 RD/YL
Y107 20 VT/RD
55 20 C219
S201 (8W-10-42)
S205 (8W-10-45)
12 6 C201
F32 18 RD/YL
Y107 20 VT/RD
S301 (8W-10-42)
S304 (8W-10-45)
F32 20 RD/YL
Y107 20 VT/RD
4 2 1 3
FUSED B(+)
FUSED IGNITION SWITCH OUTPUT (RUN-START)
FUSED IGNITION SWITCH OUTPUT (RUN-START)
BACKUP LAMP FEED
COMPASS/ MINI-TRIP COMPUTER (EXCEPT BASE)
AUTOMATIC DAY/ NIGHT MIRROR (EXCEPT BASE)
PCI BUS
GROUND
GROUND
5 3 2
D25 20 VT
Z104 20 BK/OR
Z104 20 BK/OR
1 C201
S307 (8W-15-15)
2 DATA LINK CONNECTOR (8W-18-2)
Z104 20 BK/OR
2 C201
D25 20 VT
D25 20 LB/VT
Z104 18 BK/OR
S230 (8W-18-4)
G202 (8W-15-14) (8W-15-15)
BACKUP LAMP FEED
BACKUP LAMP SWITCH (8W-51-3)
1
TRANSMISSION RANGE SENSOR (8W-31-15)
BACKUP LAMP FEED
4
TRANSMISSION SOLENOID/ TRS ASSEMBLY (8W-31-10)
BACKUP LAMP FEED
6
L1 18 VT/BK
L1 18 VT/BK
5.9L/8.0L
3.7L/4.7L/5.7L
M/T
A/T
L1 18 VT/BK
B7 C130
L1 18 VT/BK
S120 (8W-10-52)
L1 18 VT/BK
27 C219
L1 18 VT/BK
11 C201
L1 20 VT/BK

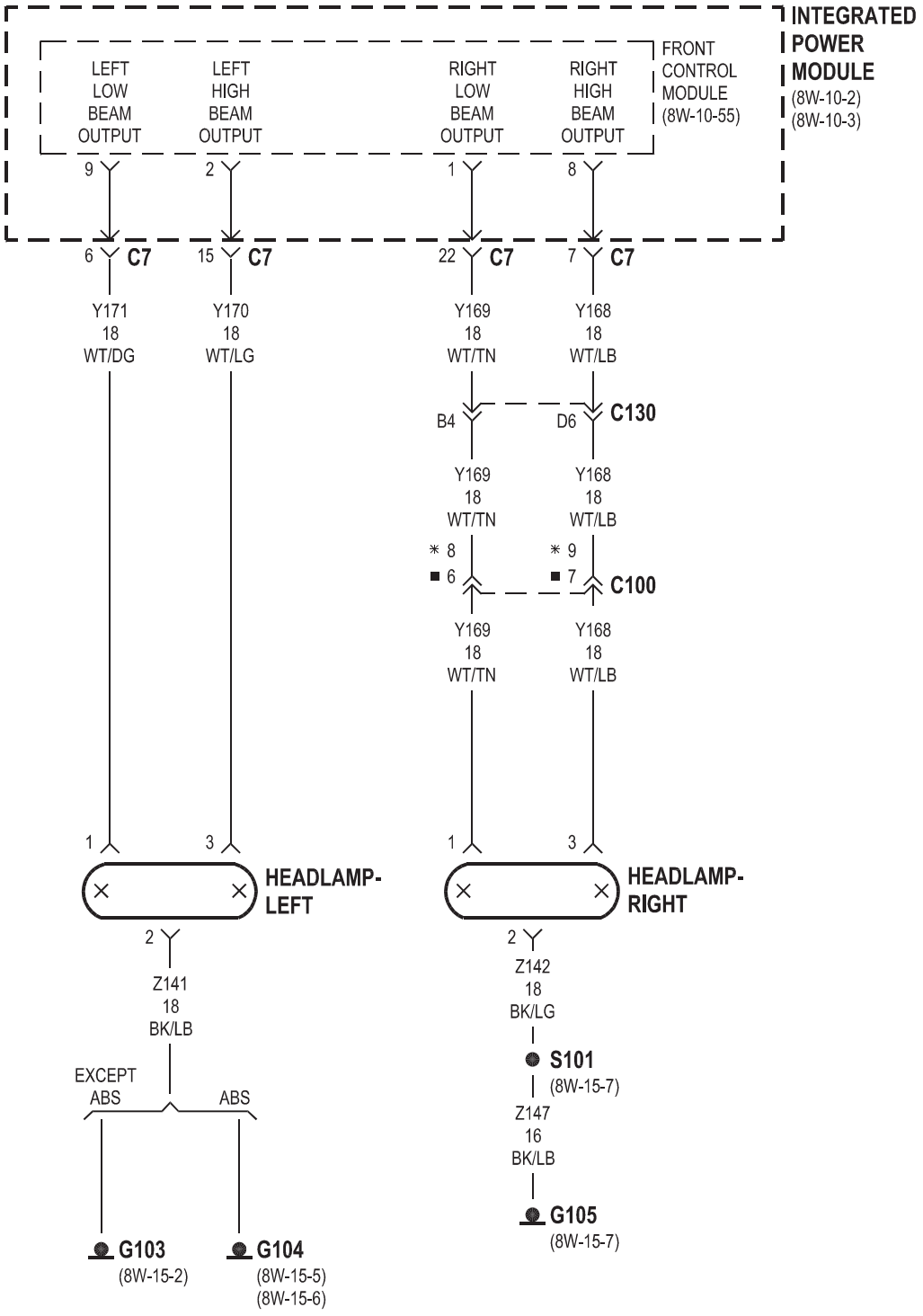

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 17 15A
(8W-10-42)
AMBIENT TEMPERATURE SENSOR SIGNAL
SENSOR GROUND
FRONT CONTROL MODULE
(8W-10-52)
(8W-10-54)
29
46
13 C1
◇ 14 C3
◇ 20 C3
F32 20 RD/YL
55 C219
F32 20 RD/YL
S201
(8W-10-42)
F32 20 RD/YL
12 C201
F32 18 RD/YL
Y137 20 VT/LB
S119
(8W-10-54)
G31 20 VT/LG
Y137 20 VT/LB
1
2
AMBIENT TEMPERATURE SENSOR (EXCEPT NGC)
S301
(8W-10-42)
F32 18 RD/YL
F32 18 RD/YL
2
3
DOME LAMP
(8W-44-2)
2
OVERHEAD MAP/ READING LAMP (EXCEPT BASE)
(8W-44-2)
BASE
PREMIUM
3
1
M20 20 BR
M20 20 BR
M11 20 PK/LB
S302
(8W-44-2)
9
10 C201
S202
(8W-44-2)
M20 20 BR
M11 20 PK/LB
3 C3
4 C3
COURTESY LAMP DRIVER
COURTESY LAMP GROUND
INSTRUMENT CLUSTER
(8W-40-11)
◇ EXCEPT NGC


POWERTRAIN CONTROL MODULE
(8W-30-16)
(8W-30-18)
(8W-30-19)
(8W-30-22)
(8W-30-37)
(8W-30-39)
(8W-30-56)
AMBIENT TEMPERATURE SENSOR SIGNAL
22
C1
SENSOR GROUND
27
C2
K4
18
BK/LB
S132
(8W-70-5)
(8W-70-6)
K4
18
BK/LB
S144
(8W-70-5)
(8W-70-6)
K4
18
BK/LB
M3
C130
K4
18
BK/LB
S103
(8W-70-2)
4.7L
5.7L
K4
20
BK/LB
K4
18
BK/LB
G31
18
VT/LG
1
2
AMBIENT TEMPERATURE SENSOR

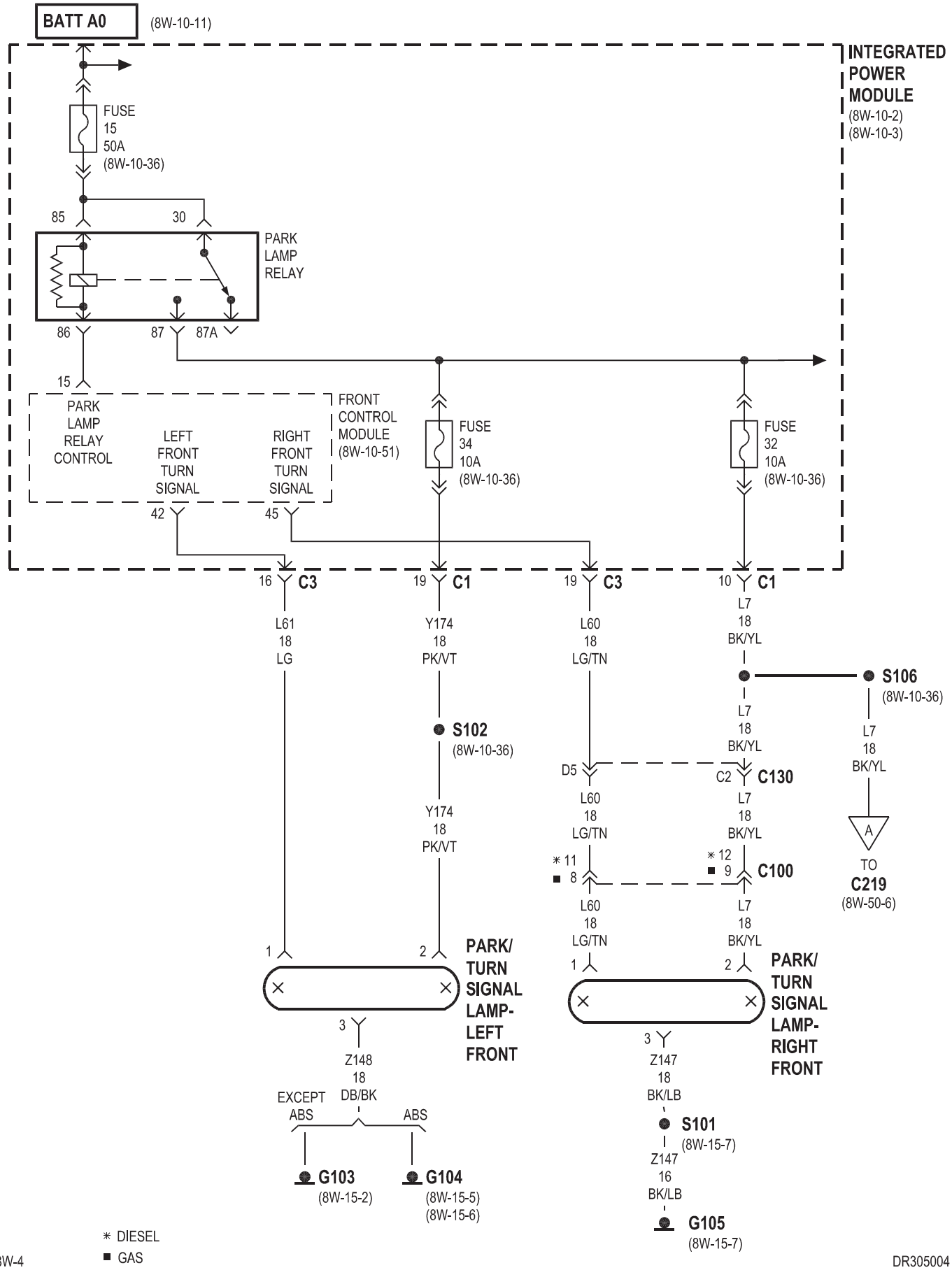
8W-50 FRONT LIGHTING

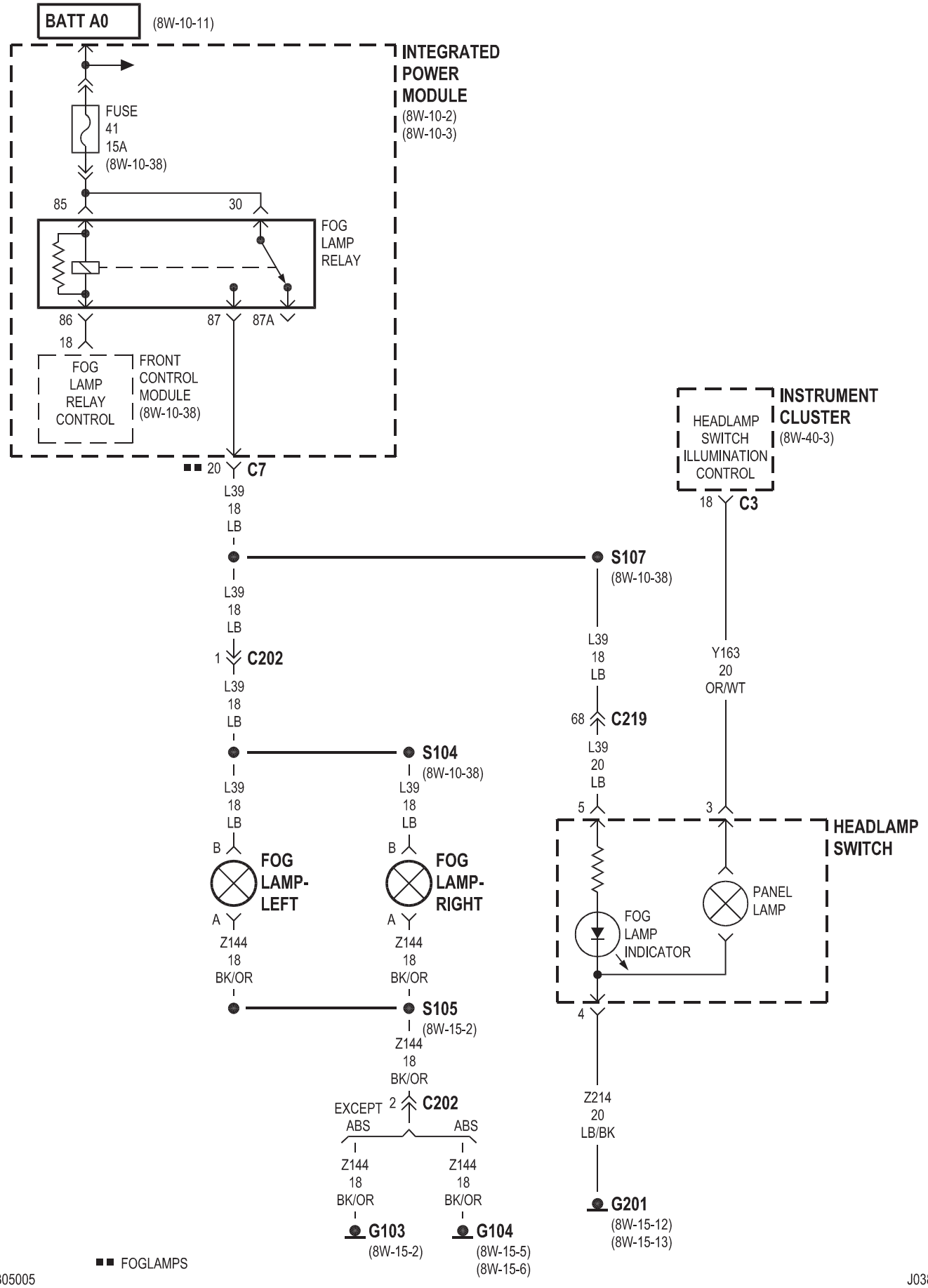
Component	Page
Clearance Lamp No. 1	8W-50-6
Clearance Lamp No. 2	8W-50-6
Clearance Lamp No. 3	8W-50-6
Clearance Lamp No. 4	8W-50-6
Clearance Lamp No. 5	8W-50-6
Data Link Connector	8W-50-2
Fog Lamp Relay	8W-50-5
Fog Lamp-Left	8W-50-5
Fog Lamp- Right	8W-50-5
Front Control Module	8W-50-2, 3, 4, 5
Fuse 15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

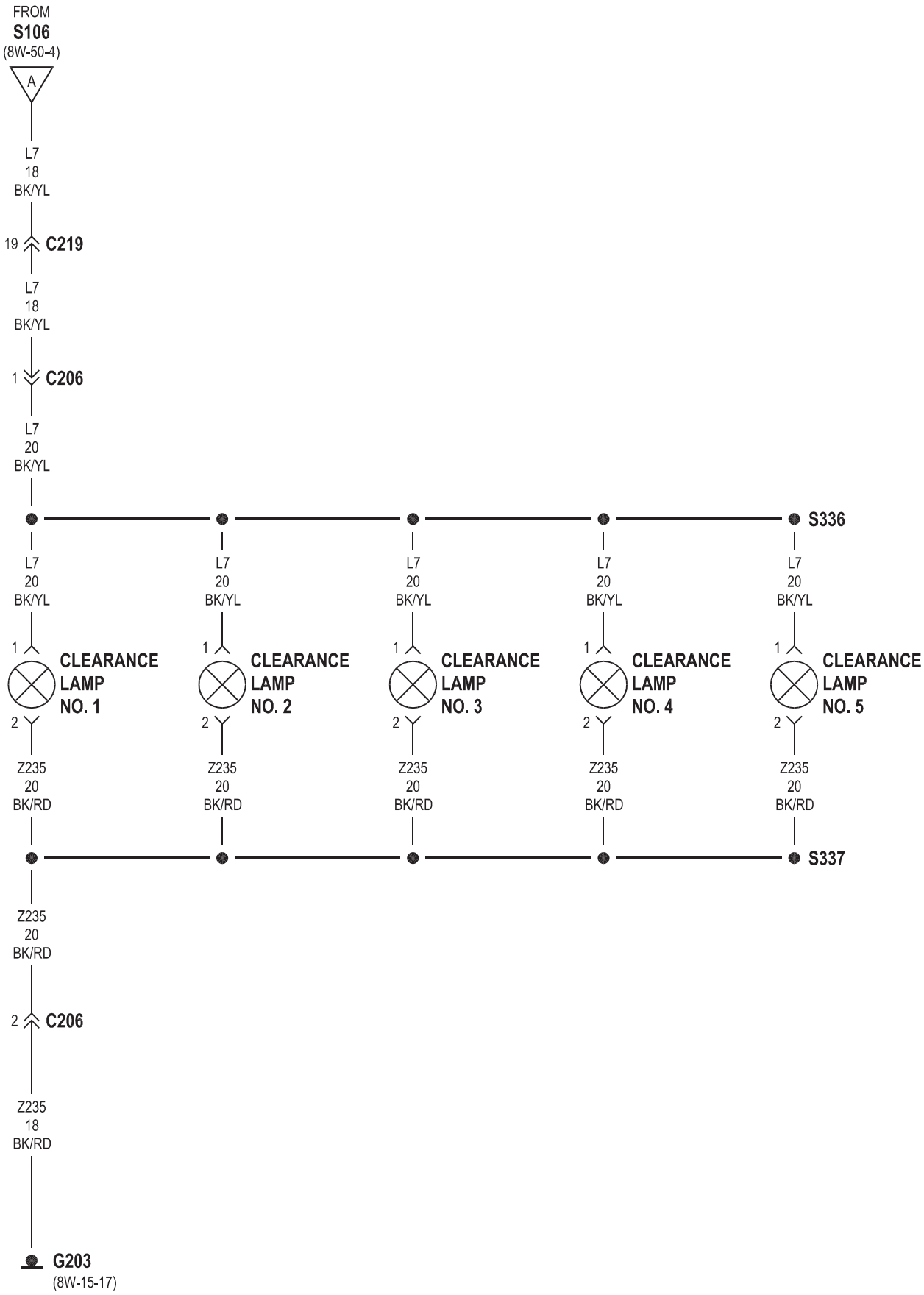

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
(8W-10-54)
PCI BUS
38
4 C3
D25
20
VT/PK
72 C219
D25
20
VT/PK
S231
(8W-18-5)
(8W-18-6)
D25
20
VT/DB
D25
20
VT/YL
21 C3
PCI BUS
1 DATA LINK CONNECTOR
(8W-18-2)
D25
20
LB/VT
S230
(8W-18-4)
MULTI-FUNCTION SWITCH
1 HIGH BEAM
2 OPTICAL HORN
3 WASH
(8W-40-4)
(8W-52-2)
(8W-53-2)
1
2
3
Y109
20
VT/OR
1 C2
WASH/ BEAM SELECT SWITCH SIGNAL
Y108
20
VT/BR
8 C3
WIPER/ TURN/ BEAM SELECT SWITCH RETURN
INSTRUMENT CLUSTER
(8W-40-3)
(8W-40-4)
(8W-40-5)
HEADLAMP SWITCH RETURN
9 C3
Y167
20
WT/DB
7
HEADLAMP SWITCH SIGNAL
5 C2
Y126
20
VT/YL
8
HEADLAMP SWITCH
0 OFF
1 PARK
2 HEAD
3 FOG
0
1
2
3


INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE (8W-10-55)
LEFT LOW BEAM OUTPUT
LEFT HIGH BEAM OUTPUT
RIGHT LOW BEAM OUTPUT
RIGHT HIGH BEAM OUTPUT
9
2
1
8
6 C7
15 C7
22 C7
7 C7
Y171 18 WT/DG
Y170 18 WT/LG
Y169 18 WT/TN
Y168 18 WT/LB
B4
D6
C130
Y169 18 WT/TN
Y168 18 WT/LB
* 8
■ 6
* 9
■ 7
C100
Y169 18 WT/TN
Y168 18 WT/LB
1
3
1
3
HEADLAMP-LEFT
HEADLAMP-RIGHT
2
2
Z141 18 BK/LB
Z142 18 BK/LG
S101
(8W-15-7)
EXCEPT ABS
ABS
Z147 16 BK/LB
G105
(8W-15-7)
G103
(8W-15-2)
G104
(8W-15-5)
(8W-15-6)

* DIESEL
■ GAS

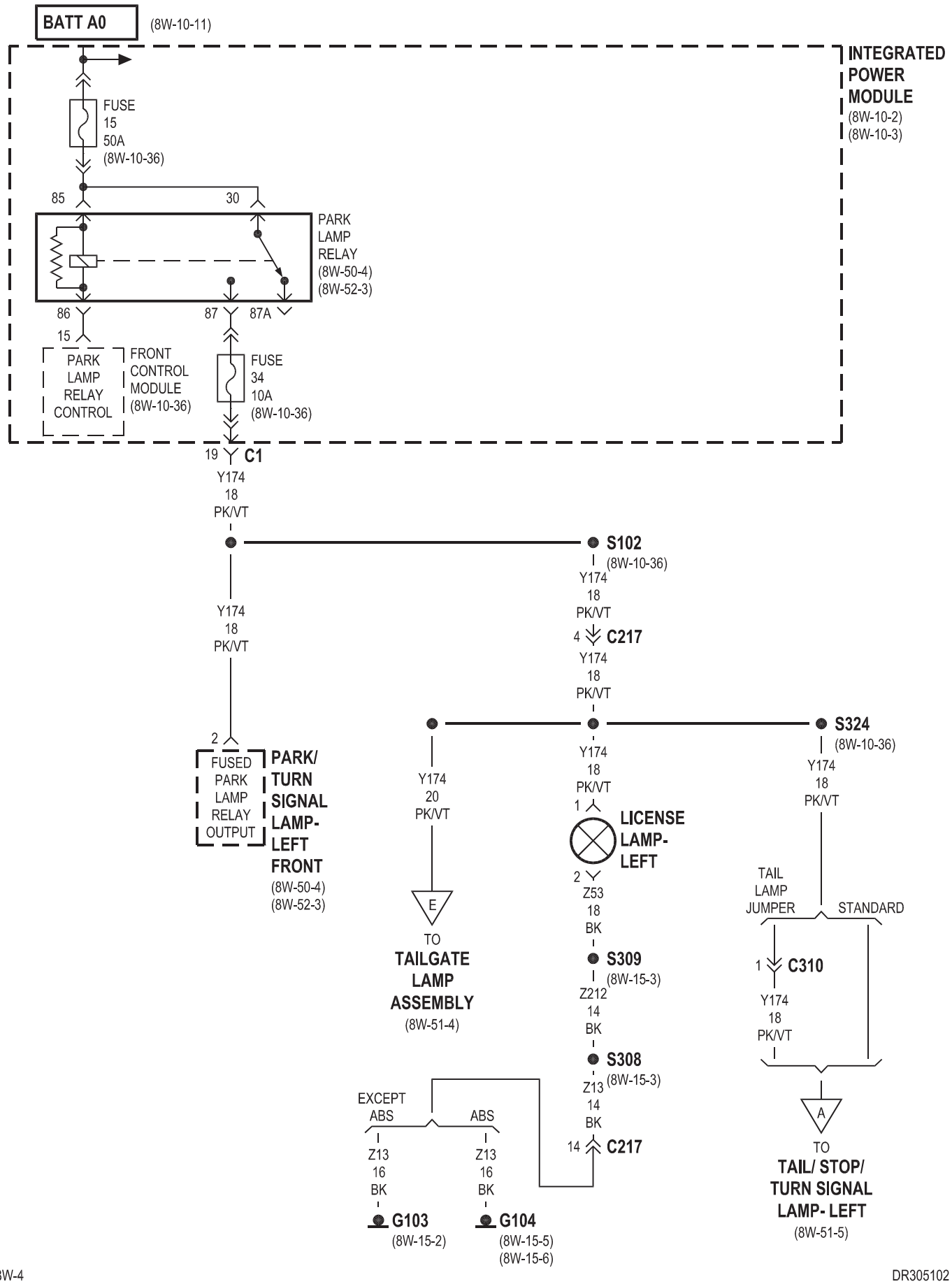

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 15 50A (8W-10-36)
85
30
PARK LAMP RELAY
86
87
87A
15
PARK LAMP RELAY CONTROL
LEFT FRONT TURN SIGNAL
RIGHT FRONT TURN SIGNAL
FRONT CONTROL MODULE (8W-10-51)
42
45
FUSE 34 10A (8W-10-36)
FUSE 32 10A (8W-10-36)
16 C3
19 C1
19 C3
10 C1
L61 18 LG
Y174 18 PK/VT
L60 18 LG/TN
L7 18 BK/YL
S106 (8W-10-36)
S102 (8W-10-36)
D5
C2 C130
* 11
■ 8
* 12
■ 9
C100
TO C219 (8W-50-6)
1
2
PARK/ TURN SIGNAL LAMP- LEFT FRONT
PARK/ TURN SIGNAL LAMP- RIGHT FRONT
3
Z148 18 DB/BK
EXCEPT ABS
ABS
G103 (8W-15-2)
G104 (8W-15-5) (8W-15-6)
Z147 18 BK/LB
S101 (8W-15-7)
Z147 16 BK/LB
G105 (8W-15-7)
* DIESEL
■ GAS

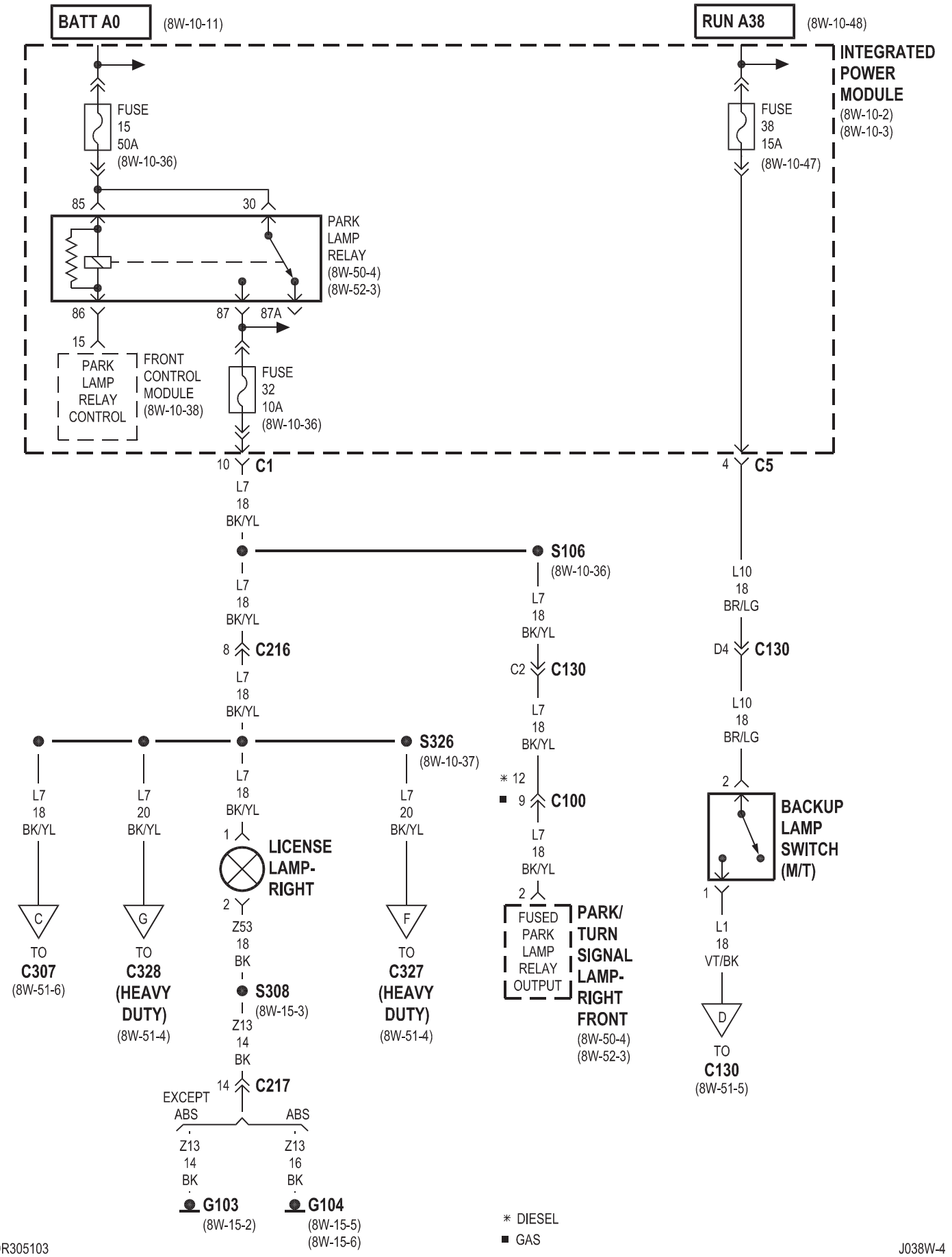

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 41 15A
(8W-10-38)
85
30
FOG LAMP RELAY
86
87
87A
18
FOG LAMP RELAY CONTROL
FRONT CONTROL MODULE
(8W-10-38)
20 C7
L39 18 LB
S107
(8W-10-38)
L39 18 LB
1 C202
L39 18 LB
S104
(8W-10-38)
L39 18 LB
B
FOG LAMP-LEFT
A
Z144 18 BK/OR
L39 18 LB
B
FOG LAMP-RIGHT
A
Z144 18 BK/OR
S105
(8W-15-2)
Z144 18 BK/OR
EXCEPT ABS
2 C202
ABS
Z144 18 BK/OR
Z144 18 BK/OR
G103
(8W-15-2)
G104
(8W-15-5)
(8W-15-6)
INSTRUMENT CLUSTER
(8W-40-3)
HEADLAMP SWITCH ILLUMINATION CONTROL
18 C3
Y163 20 OR/WT
L39 18 LB
68 C219
L39 20 LB
5
3
HEADLAMP SWITCH
FOG LAMP INDICATOR
PANEL LAMP
4
Z214 20 LB/BK
G201
(8W-15-12)
(8W-15-13)
FOGLAMPS

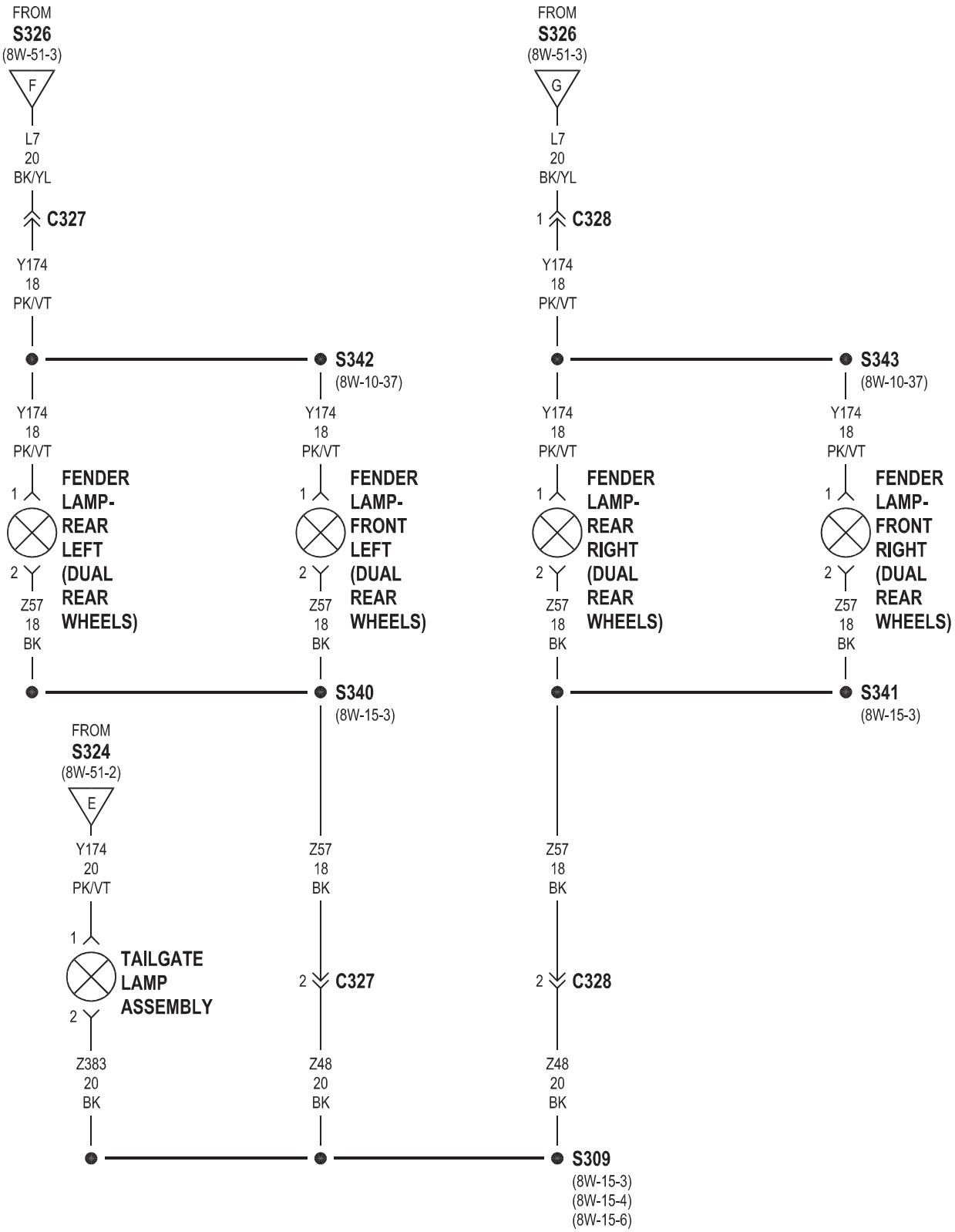

FROM
S106
(8W-50-4)
A
L7
18
BK/YL
19
C219
L7
18
BK/YL
1
C206
L7
20
BK/YL
S336
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 1
2
Z235
20
BK/RD
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 2
2
Z235
20
BK/RD
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 3
2
Z235
20
BK/RD
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 4
2
Z235
20
BK/RD
L7
20
BK/YL
1
CLEARANCE
LAMP
NO. 5
2
Z235
20
BK/RD
S337
Z235
20
BK/RD
2
C206
Z235
18
BK/RD
G203
(8W-15-17)

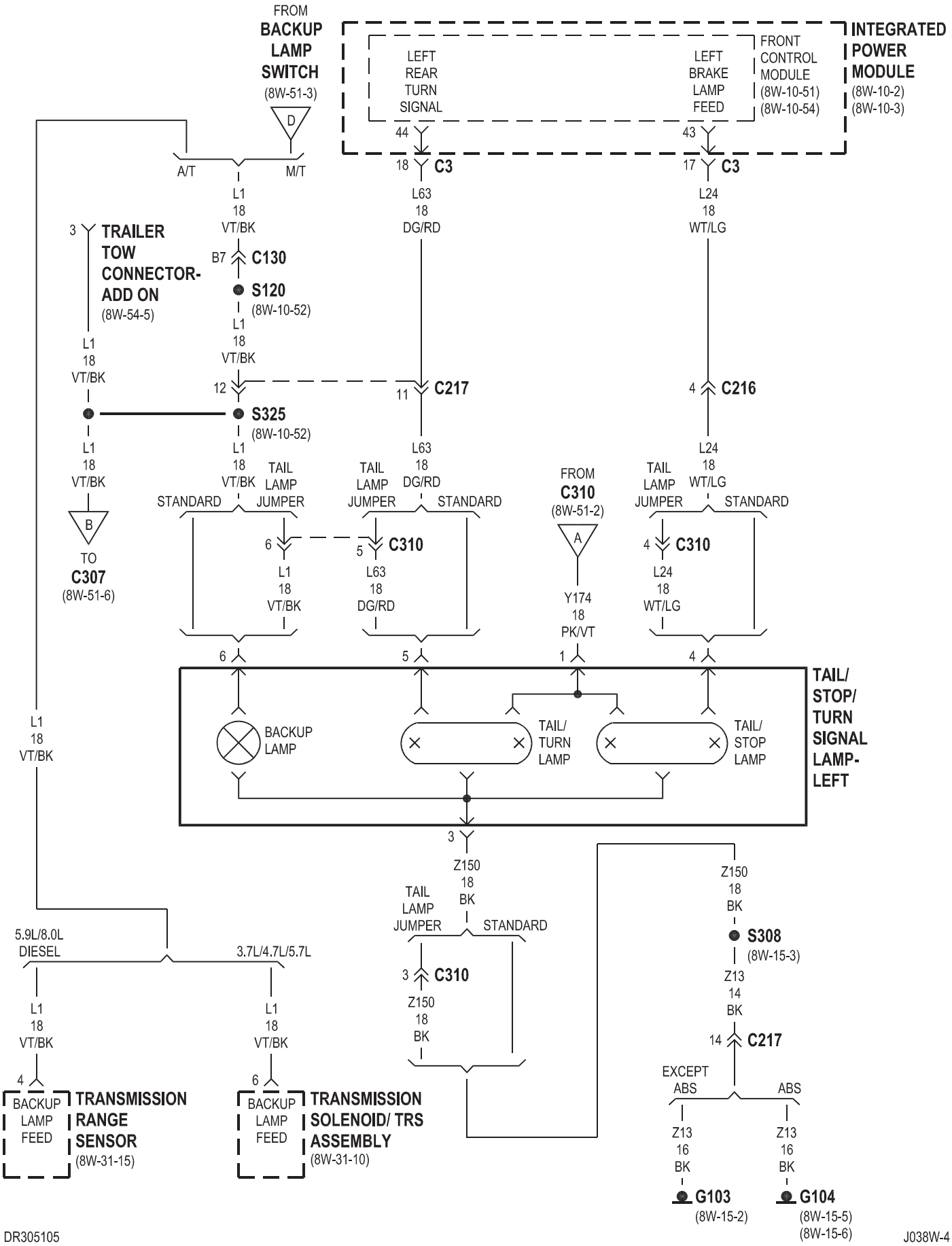
8W-51 REAR LIGHTING

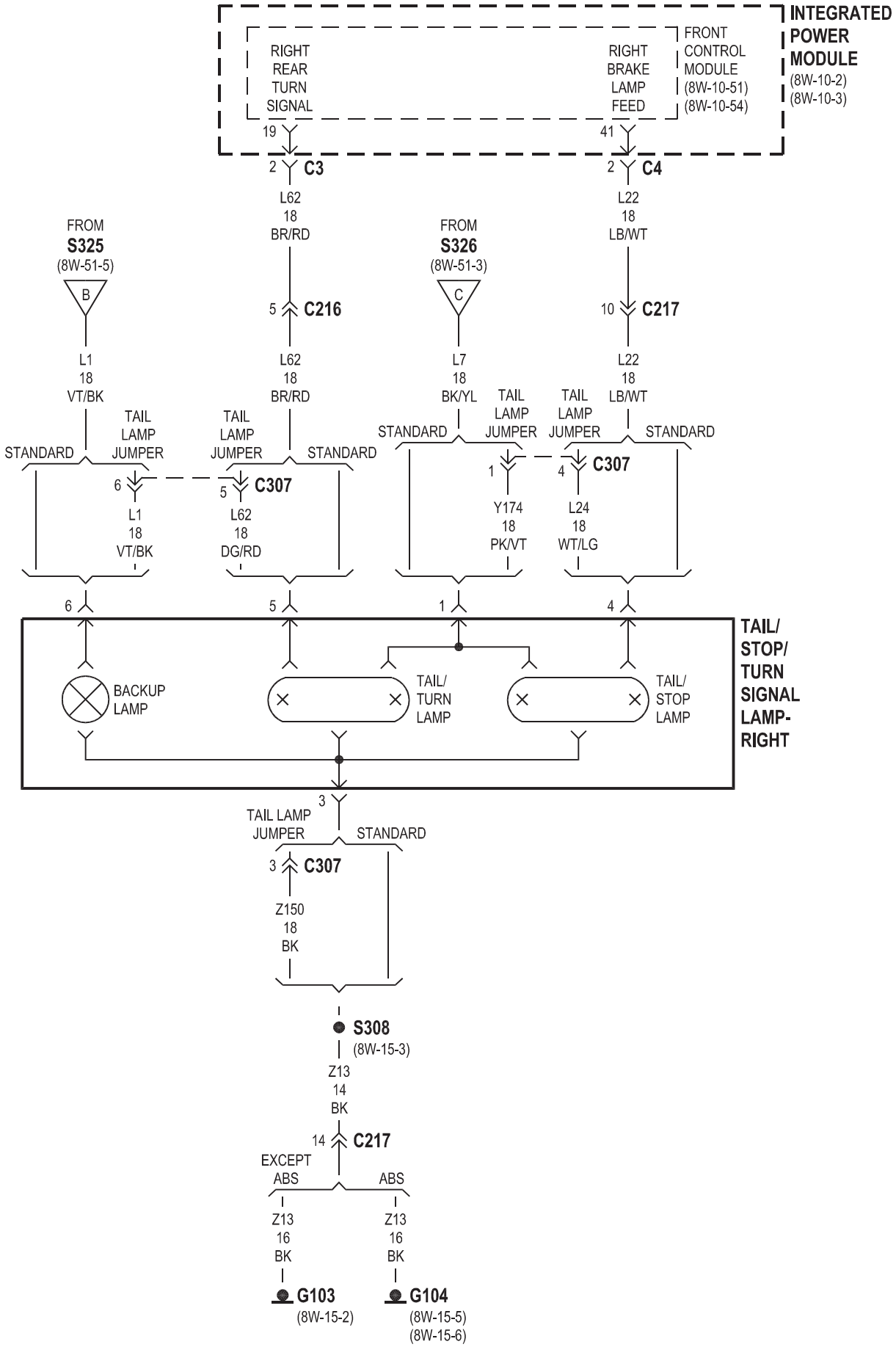
Component	Page
Backup Lamp Switch	8W-51-3, 5
Brake Lamp Switch	8W-51-7
Center High Mounted Stop Lamp-Aftermarket	8W-51-7
Center High Mounted Stop Lamp/Cargo Lamp	8W-51-7
Fender Lamp-Front Left	8W-51-4
Fender Lamp-Front Right	8W-51-4
Fender Lamp-Rear Left	8W-51-4
Fender Lamp-Rear Right	8W-51-4
Front Control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

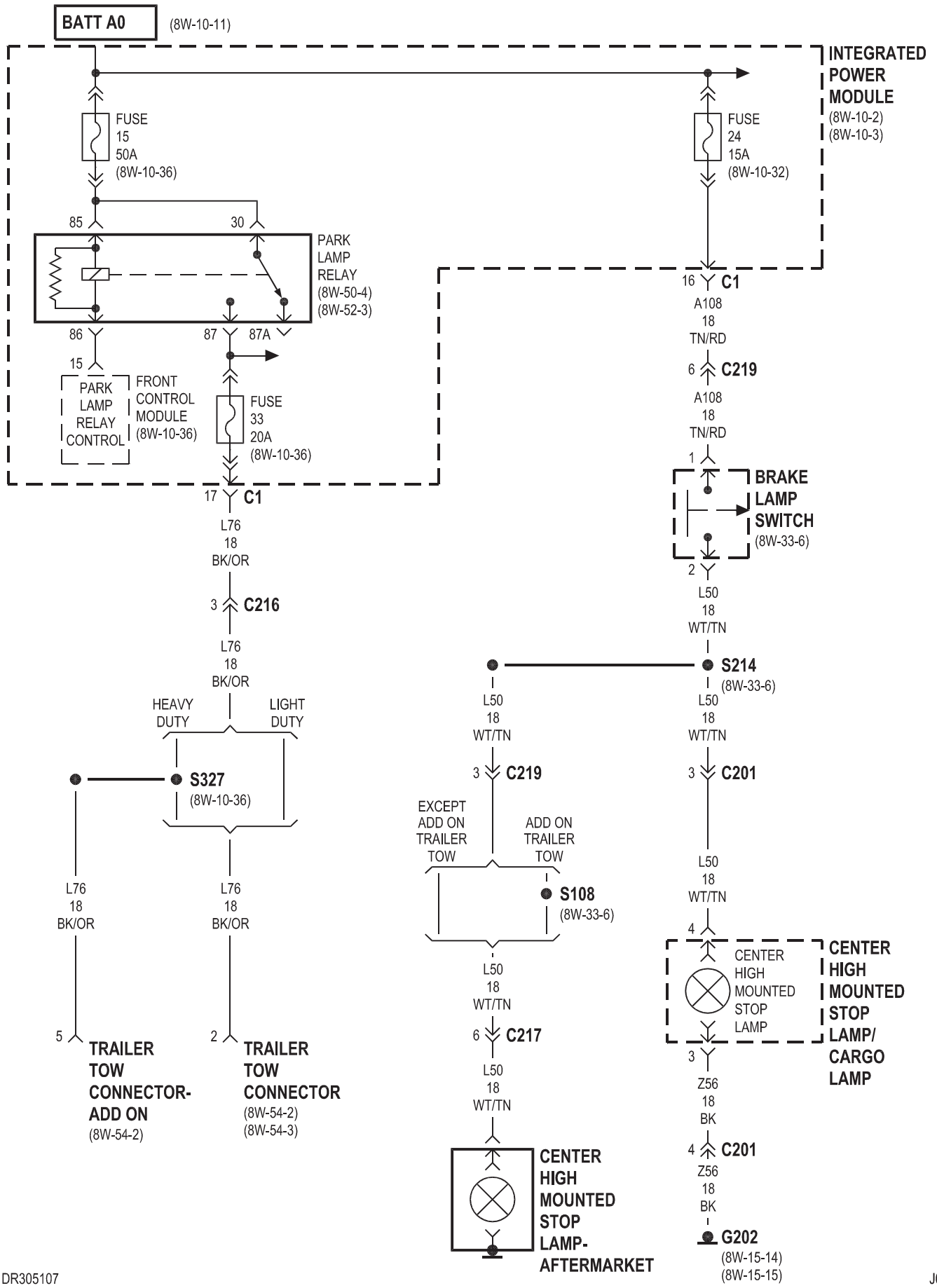

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 15 50A (8W-10-36)
85
30
PARK LAMP RELAY (8W-50-4) (8W-52-3)
86
87
87A
15
PARK LAMP RELAY CONTROL
FRONT CONTROL MODULE (8W-10-36)
FUSE 34 10A (8W-10-36)
19 C1
Y174 18 PK/VT
S102 (8W-10-36)
Y174 18 PK/VT
4 C217
Y174 18 PK/VT
2
FUSED PARK LAMP RELAY OUTPUT
PARK/ TURN SIGNAL LAMP- LEFT FRONT (8W-50-4) (8W-52-3)
Y174 20 PK/VT
E
TO TAILGATE LAMP ASSEMBLY (8W-51-4)
Y174 18 PK/VT
1
LICENSE LAMP- LEFT
2
Z53 18 BK
S309 (8W-15-3)
Z212 14 BK
S308 (8W-15-3)
Z13 14 BK
14 C217
EXCEPT ABS
ABS
Z13 16 BK
Z13 16 BK
G103 (8W-15-2)
G104 (8W-15-5) (8W-15-6)
S324 (8W-10-36)
Y174 18 PK/VT
TAIL LAMP JUMPER
STANDARD
1 C310
Y174 18 PK/VT
A
TO TAIL/ STOP/ TURN SIGNAL LAMP- LEFT (8W-51-5)


BATT A0
(8W-10-11)
RUN A38
(8W-10-48)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 15 50A (8W-10-36)
FUSE 38 15A (8W-10-47)
85
30
PARK LAMP RELAY (8W-50-4) (8W-52-3)
86
87
87A
15
PARK LAMP RELAY CONTROL
FRONT CONTROL MODULE (8W-10-38)
FUSE 32 10A (8W-10-36)
10 C1
4 C5
L7 18 BK/YL
S106
(8W-10-36)
L10 18 BR/LG
8 C216
C2 C130
D4 C130
L7 20 BK/YL
S326
(8W-10-37)
* 12
■ 9 C100
2
BACKUP LAMP SWITCH (M/T)
1
L1 18 VT/BK
C
G
F
D
TO C307 (8W-51-6)
TO C328 (HEAVY DUTY) (8W-51-4)
TO C327 (HEAVY DUTY) (8W-51-4)
TO C130 (8W-51-5)
LICENSE LAMP-RIGHT
Z53 18 BK
S308
(8W-15-3)
Z13 14 BK
14 C217
EXCEPT ABS
ABS
Z13 14 BK
Z13 16 BK
G103
(8W-15-2)
G104
(8W-15-5)
(8W-15-6)
FUSED PARK LAMP RELAY OUTPUT
PARK/ TURN SIGNAL LAMP-RIGHT FRONT
(8W-50-4)
(8W-52-3)
* DIESEL
■ GAS


FROM
S326
(8W-51-3)
F
L7
20
BK/YL
C327
Y174
18
PK/VT
S342
(8W-10-37)
Y174
18
PK/VT
1
FENDER
LAMP-
REAR
LEFT
(DUAL
REAR
WHEELS)
2
Z57
18
BK
S340
(8W-15-3)
FROM
S324
(8W-51-2)
E
Y174
20
PK/VT
1
TAILGATE
LAMP
ASSEMBLY
2
Z383
20
BK
Z57
18
BK
2
C327
Z48
20
BK
FROM
S326
(8W-51-3)
G
L7
20
BK/YL
1
C328
Y174
18
PK/VT
S343
(8W-10-37)
Y174
18
PK/VT
1
FENDER
LAMP-
FRONT
LEFT
(DUAL
REAR
WHEELS)
2
Z57
18
BK
S341
(8W-15-3)
1
FENDER
LAMP-
REAR
RIGHT
(DUAL
REAR
WHEELS)
2
Z57
18
BK
Z57
18
BK
2
C328
Z48
20
BK
S309
(8W-15-3)
(8W-15-4)
(8W-15-6)

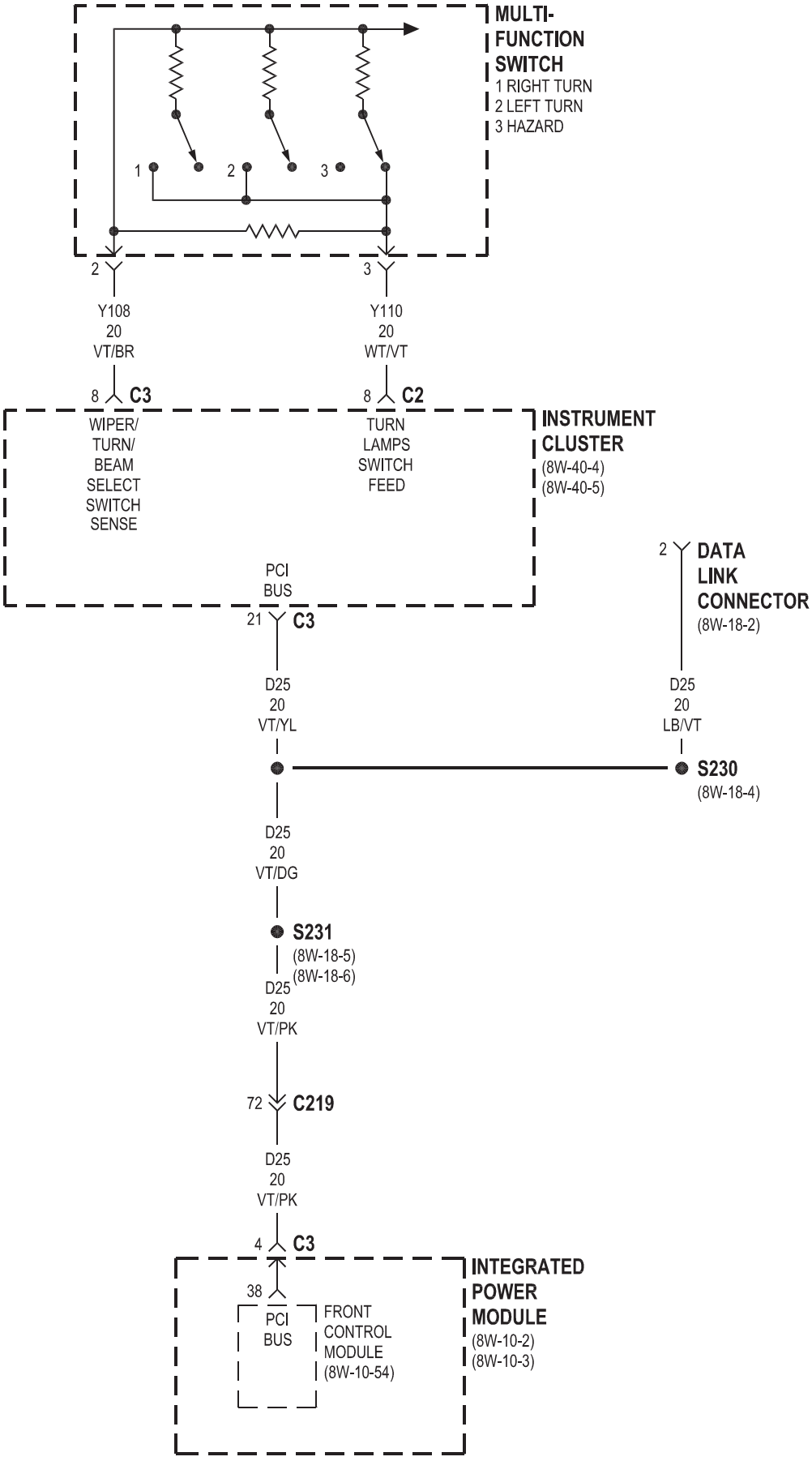

FROM
BACKUP
LAMP
SWITCH
(8W-51-3)
D
A/T
M/T
INTEGRATED
POWER
MODULE
(8W-10-2)
(8W-10-3)
FRONT
CONTROL
MODULE
(8W-10-51)
(8W-10-54)
LEFT
REAR
TURN
SIGNAL
LEFT
BRAKE
LAMP
FEED
44
43
18 C3
17 C3
L1
18
VT/BK
L63
18
DG/RD
L24
18
WT/LG
3 TRAILER
TOW
CONNECTOR-
ADD ON
(8W-54-5)
B7 C130
S120
(8W-10-52)
12
11 C217
4 C216
S325
(8W-10-52)
TAIL
LAMP
JUMPER
STANDARD
6 C310
5 C310
4 C310
FROM
C310
(8W-51-2)
A
B
TO
C307
(8W-51-6)
Y174
18
PK/VT
6
5
1
4
TAIL/
STOP/
TURN
SIGNAL
LAMP-
LEFT
BACKUP
LAMP
TAIL/
TURN
LAMP
TAIL/
STOP
LAMP
3
Z150
18
BK
3 C310
5.9L/8.0L
DIESEL
3.7L/4.7L/5.7L
S308
(8W-15-3)
Z13
14
BK
14 C217
EXCEPT
ABS
ABS
Z13
16
BK
G103
(8W-15-2)
G104
(8W-15-5)
(8W-15-6)
4
6
BACKUP
LAMP
FEED
TRANSMISSION
RANGE
SENSOR
(8W-31-15)
TRANSMISSION
SOLENOID/ TRS
ASSEMBLY
(8W-31-10)

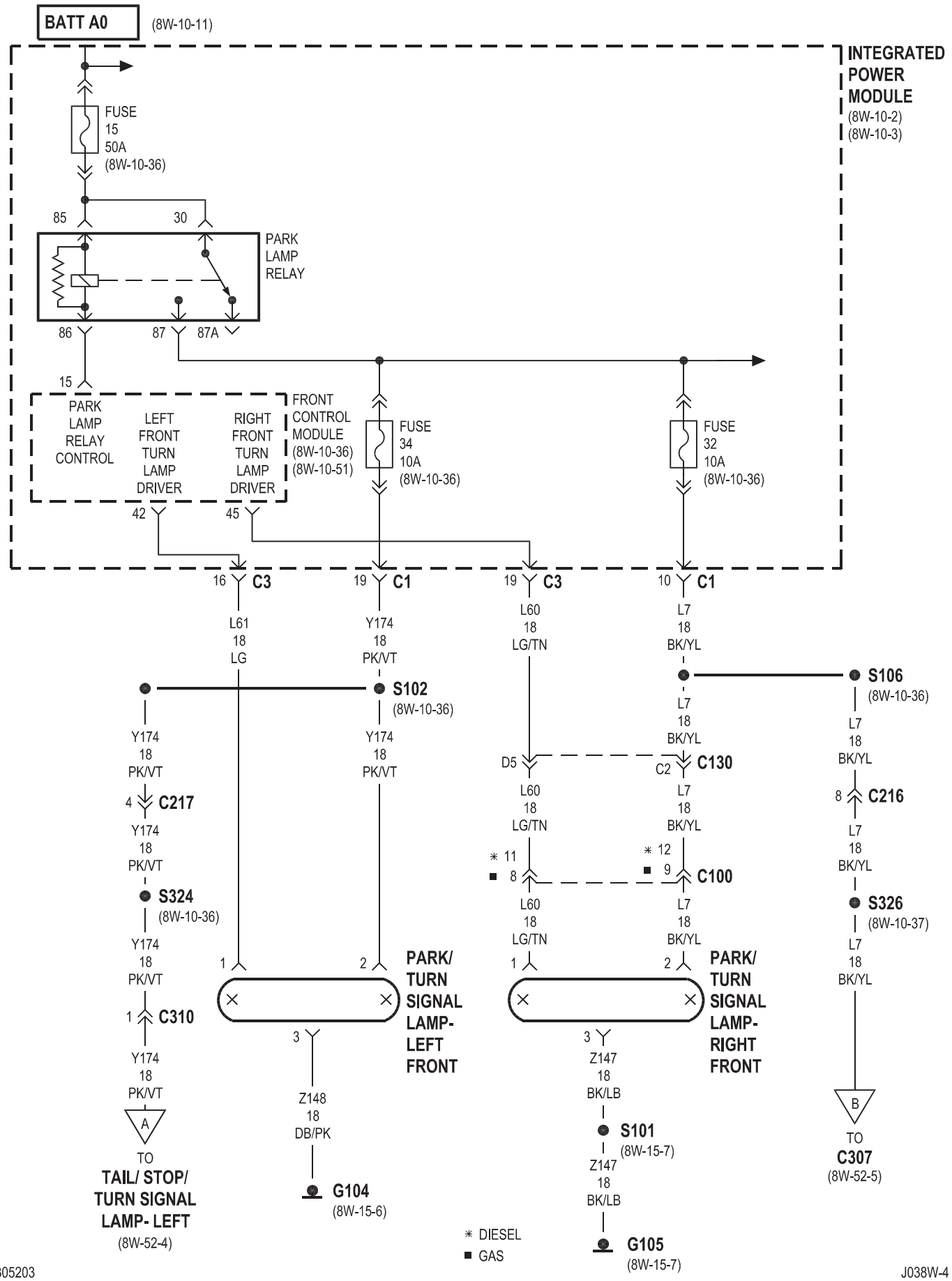

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
(8W-10-51)
(8W-10-54)
RIGHT REAR TURN SIGNAL
RIGHT BRAKE LAMP FEED
19
41
2 C3
2 C4
L62 18 BR/RD
L22 18 LB/WT
FROM S325 (8W-51-5)
FROM S326 (8W-51-3)
B
C
5 C216
10 C217
L1 18 VT/BK
L62 18 BR/RD
L7 18 BK/YL
L22 18 LB/WT
STANDARD
TAIL LAMP JUMPER
6
5 C307
1
4 C307
L1 18 VT/BK
L62 18 DG/RD
Y174 18 PK/VT
L24 18 WT/LG
TAIL/ STOP/ TURN SIGNAL LAMP- RIGHT
BACKUP LAMP
TAIL/ TURN LAMP
TAIL/ STOP LAMP
3
3 C307
Z150 18 BK
S308
(8W-15-3)
Z13 14 BK
14 C217
EXCEPT ABS
ABS
Z13 16 BK
G103
(8W-15-2)
G104
(8W-15-5)
(8W-15-6)

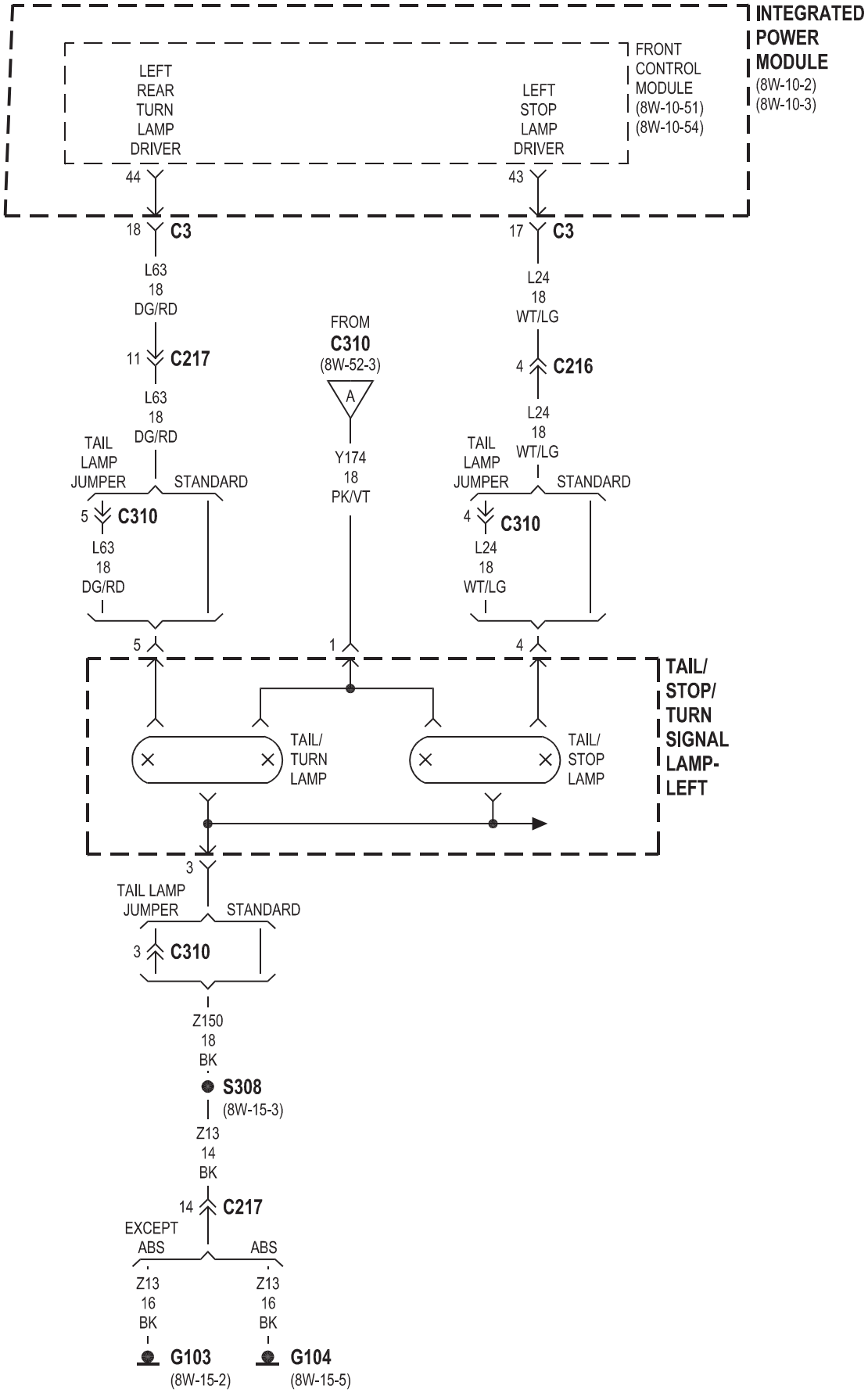

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 15 50A (8W-10-36)
FUSE 24 15A (8W-10-32)
85
30
PARK LAMP RELAY (8W-50-4) (8W-52-3)
86
87
87A
15
PARK LAMP RELAY CONTROL
FRONT CONTROL MODULE (8W-10-36)
FUSE 33 20A (8W-10-36)
16 C1
A108 18 TN/RD
6 C219
A108 18 TN/RD
1
BRAKE LAMP SWITCH (8W-33-6)
2
L50 18 WT/TN
S214 (8W-33-6)
17 C1
L76 18 BK/OR
3 C216
L76 18 BK/OR
HEAVY DUTY
LIGHT DUTY
S327 (8W-10-36)
L50 18 WT/TN
3 C219
EXCEPT ADD ON TRAILER TOW
ADD ON TRAILER TOW
S108 (8W-33-6)
L50 18 WT/TN
6 C217
L50 18 WT/TN
CENTER HIGH MOUNTED STOP LAMP- AFTERMARKET
L50 18 WT/TN
3 C201
L50 18 WT/TN
4
CENTER HIGH MOUNTED STOP LAMP
CENTER HIGH MOUNTED STOP LAMP/ CARGO LAMP
3
Z56 18 BK
4 C201
Z56 18 BK
G202 (8W-15-14) (8W-15-15)
L76 18 BK/OR
L76 18 BK/OR
5
TRAILER TOW CONNECTOR- ADD ON (8W-54-2)
2
TRAILER TOW CONNECTOR (8W-54-2) (8W-54-3)

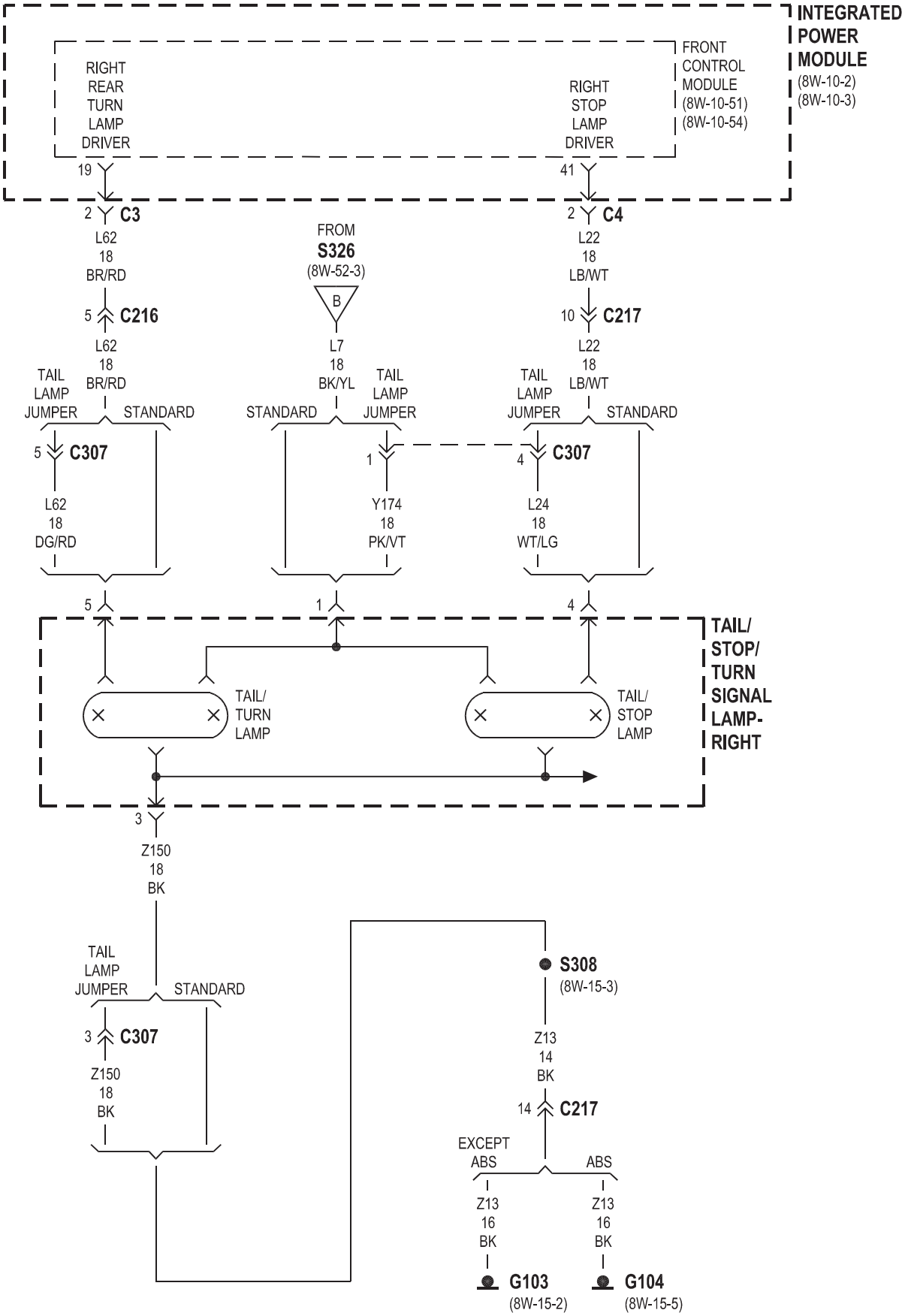
8W-52 TURN SIGNALS

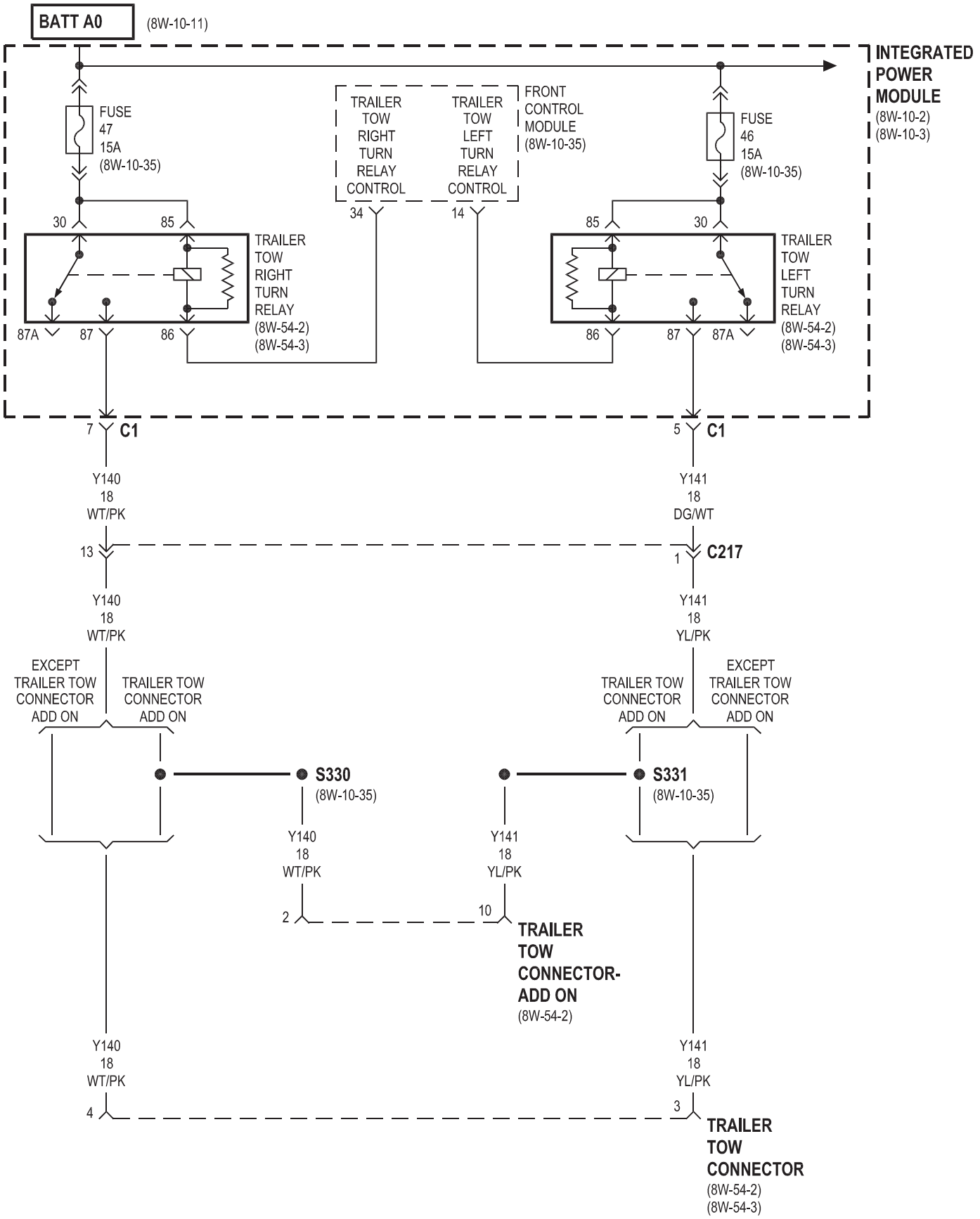
Component	Page
Data Link Connector	8W-52-2
Front Control Module	8W-52-2, 3, 4, 5, 6
Fuse 15	8W-52-3
Fuse 32	8W-52-3
Fuse 34	8W-52-3
Fuse 46	8W-52-6
Fuse 47	8W-52-6
G103	8W-52-4, 5
G104	8W-52-3, 4, 5
G105	8W-52-3
Instrument Cluster	8W-52-2
Integrated Power Module	8W-52-2, 3, 4, 5, 6
Multi-Function Switch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


MULTI-
FUNCTION
SWITCH
1 RIGHT TURN
2 LEFT TURN
3 HAZARD
1
2
3
2
3
Y108
20
VT/BR
Y110
20
WT/VT
8
C3
8
C2
WIPER/
TURN/
BEAM
SELECT
SWITCH
SENSE
TURN
LAMPS
SWITCH
FEED
INSTRUMENT
CLUSTER
(8W-40-4)
(8W-40-5)
2
DATA
LINK
CONNECTOR
(8W-18-2)
PCI
BUS
21
C3
D25
20
VT/YL
D25
20
LB/VT
S230
(8W-18-4)
D25
20
VT/DG
S231
(8W-18-5)
(8W-18-6)
D25
20
VT/PK
72
C219
D25
20
VT/PK
4
C3
38
PCI
BUS
FRONT
CONTROL
MODULE
(8W-10-54)
INTEGRATED
POWER
MODULE
(8W-10-2)
(8W-10-3)


BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 15 50A (8W-10-36)
85
30
PARK LAMP RELAY
86
87
87A
15
PARK LAMP RELAY CONTROL
LEFT FRONT TURN LAMP DRIVER
RIGHT FRONT TURN LAMP DRIVER
FRONT CONTROL MODULE (8W-10-36) (8W-10-51)
42
45
FUSE 34 10A (8W-10-36)
FUSE 32 10A (8W-10-36)
16 C3
19 C1
19 C3
10 C1
L61 18 LG
Y174 18 PK/VT
L60 18 LG/TN
L7 18 BK/YL
S102 (8W-10-36)
S106 (8W-10-36)
Y174 18 PK/VT
4 C217
Y174 18 PK/VT
S324 (8W-10-36)
Y174 18 PK/VT
1 C310
Y174 18 PK/VT
A
TO TAIL/ STOP/ TURN SIGNAL LAMP- LEFT (8W-52-4)
D5
C2 C130
L7 18 BK/YL
L60 18 LG/TN
* 11
■ 8
* 12
■ 9 C100
L7 18 BK/YL
8 C216
L7 18 BK/YL
S326 (8W-10-37)
L7 18 BK/YL
B
TO C307 (8W-52-5)
1
2
PARK/ TURN SIGNAL LAMP- LEFT FRONT
PARK/ TURN SIGNAL LAMP- RIGHT FRONT
3
Z148 18 DB/PK
G104 (8W-15-6)
Z147 18 BK/LB
S101 (8W-15-7)
Z147 18 BK/LB
G105 (8W-15-7)
* DIESEL
■ GAS

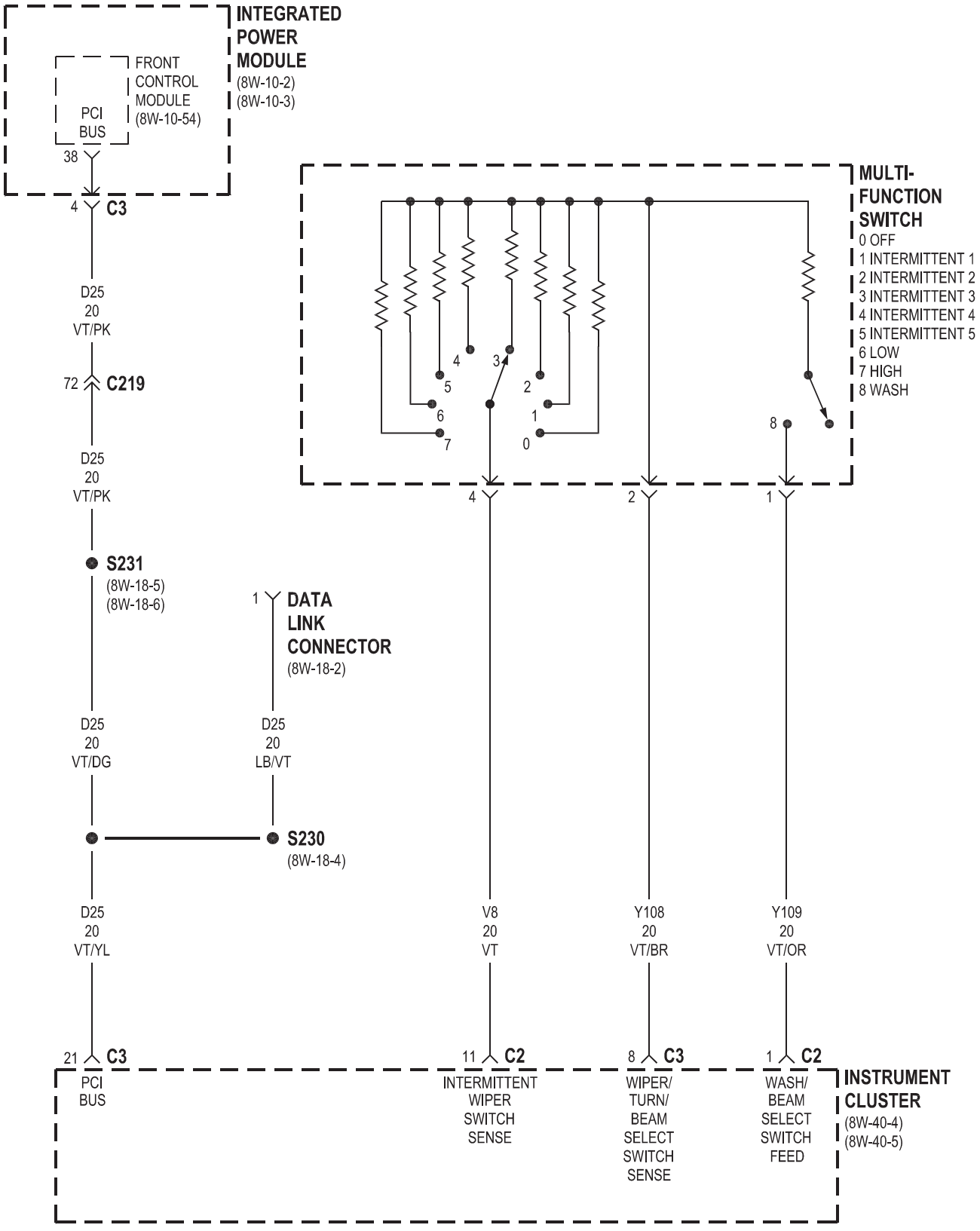

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
(8W-10-51)
(8W-10-54)
LEFT REAR TURN LAMP DRIVER
LEFT STOP LAMP DRIVER
44
43
18 C3
17 C3
L63 18 DG/RD
L24 18 WT/LG
11 C217
4 C216
L63 18 DG/RD
L24 18 WT/LG
FROM C310 (8W-52-3)
A
Y174 18 PK/VT
TAIL LAMP JUMPER
STANDARD
5 C310
4 C310
L63 18 DG/RD
L24 18 WT/LG
5
1
4
TAIL/ STOP/ TURN SIGNAL LAMP- LEFT
TAIL/ TURN LAMP
TAIL/ STOP LAMP
3
TAIL LAMP JUMPER
STANDARD
3 C310
Z150 18 BK
S308
(8W-15-3)
Z13 14 BK
14 C217
EXCEPT ABS
ABS
Z13 16 BK
Z13 16 BK
G103
(8W-15-2)
G104
(8W-15-5)

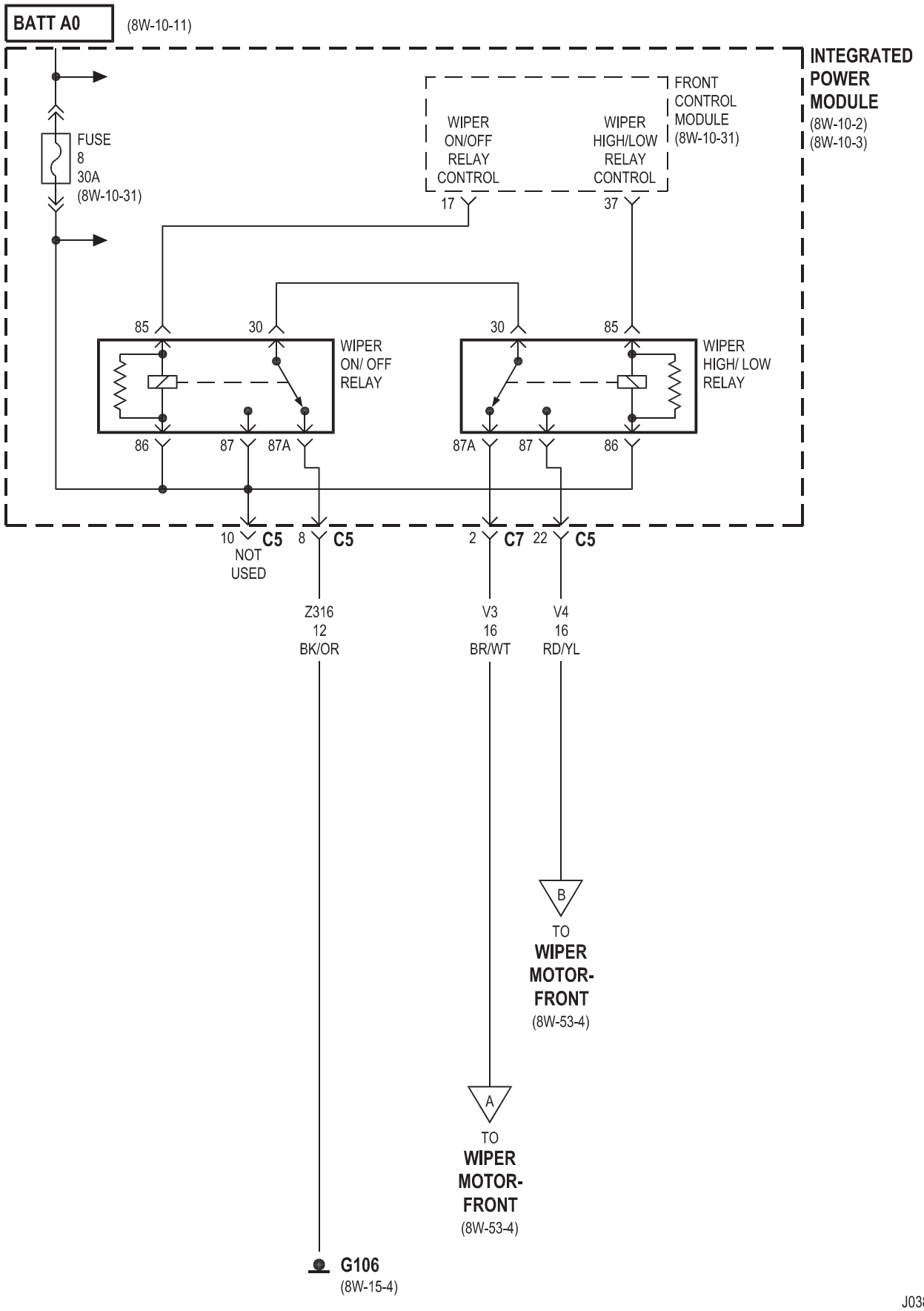

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
(8W-10-51)
(8W-10-54)
RIGHT REAR TURN LAMP DRIVER
RIGHT STOP LAMP DRIVER
19
41
2 C3
2 C4
L62 18 BR/RD
L22 18 LB/WT
FROM S326
(8W-52-3)
B
5 C216
10 C217
L62 18 BR/RD
L7 18 BK/YL
L22 18 LB/WT
TAIL LAMP JUMPER
STANDARD
5 C307
1
4 C307
L62 18 DG/RD
Y174 18 PK/VT
L24 18 WT/LG
5
1
4
TAIL/ STOP/ TURN SIGNAL LAMP- RIGHT
TAIL/ TURN LAMP
TAIL/ STOP LAMP
3
Z150 18 BK
3 C307
Z150 18 BK
S308
(8W-15-3)
Z13 14 BK
14 C217
EXCEPT ABS
ABS
Z13 16 BK
Z13 16 BK
G103
(8W-15-2)
G104
(8W-15-5)

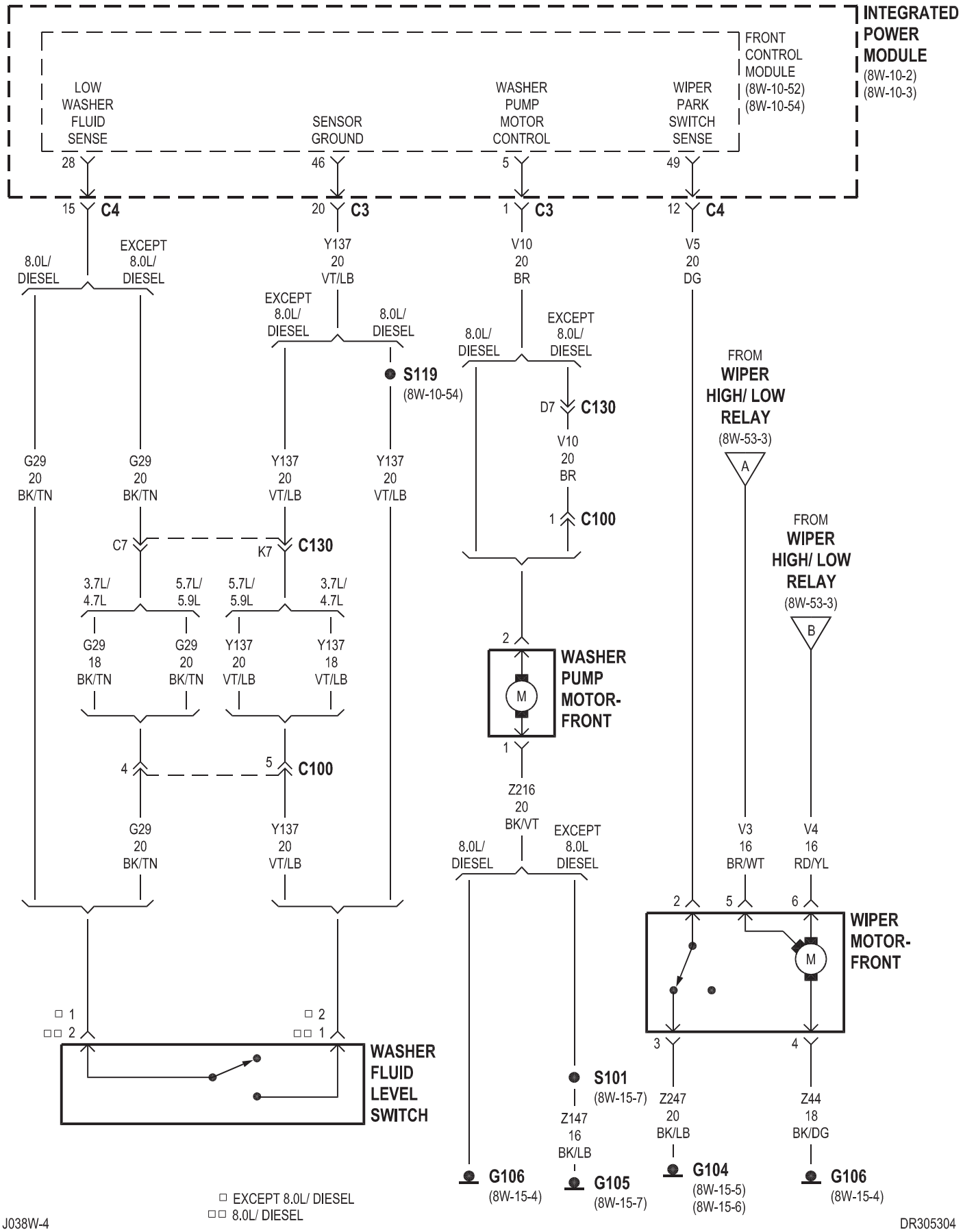

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 47 15A (8W-10-35)
FUSE 46 15A (8W-10-35)
TRAILER TOW RIGHT TURN RELAY CONTROL
TRAILER TOW LEFT TURN RELAY CONTROL
FRONT CONTROL MODULE (8W-10-35)
30
85
87A
87
86
TRAILER TOW RIGHT TURN RELAY (8W-54-2) (8W-54-3)
34
14
85
30
86
87
87A
TRAILER TOW LEFT TURN RELAY (8W-54-2) (8W-54-3)
7
C1
5
C1
Y140 18 WT/PK
Y141 18 DG/WT
13
1
C217
Y140 18 WT/PK
Y141 18 YL/PK
EXCEPT TRAILER TOW CONNECTOR ADD ON
TRAILER TOW CONNECTOR ADD ON
TRAILER TOW CONNECTOR ADD ON
EXCEPT TRAILER TOW CONNECTOR ADD ON
S330
(8W-10-35)
S331
(8W-10-35)
Y140 18 WT/PK
Y141 18 YL/PK
2
10
TRAILER TOW CONNECTOR- ADD ON
(8W-54-2)
Y140 18 WT/PK
Y141 18 YL/PK
4
3
TRAILER TOW CONNECTOR
(8W-54-2)
(8W-54-3)

8W-53 WIPERS

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

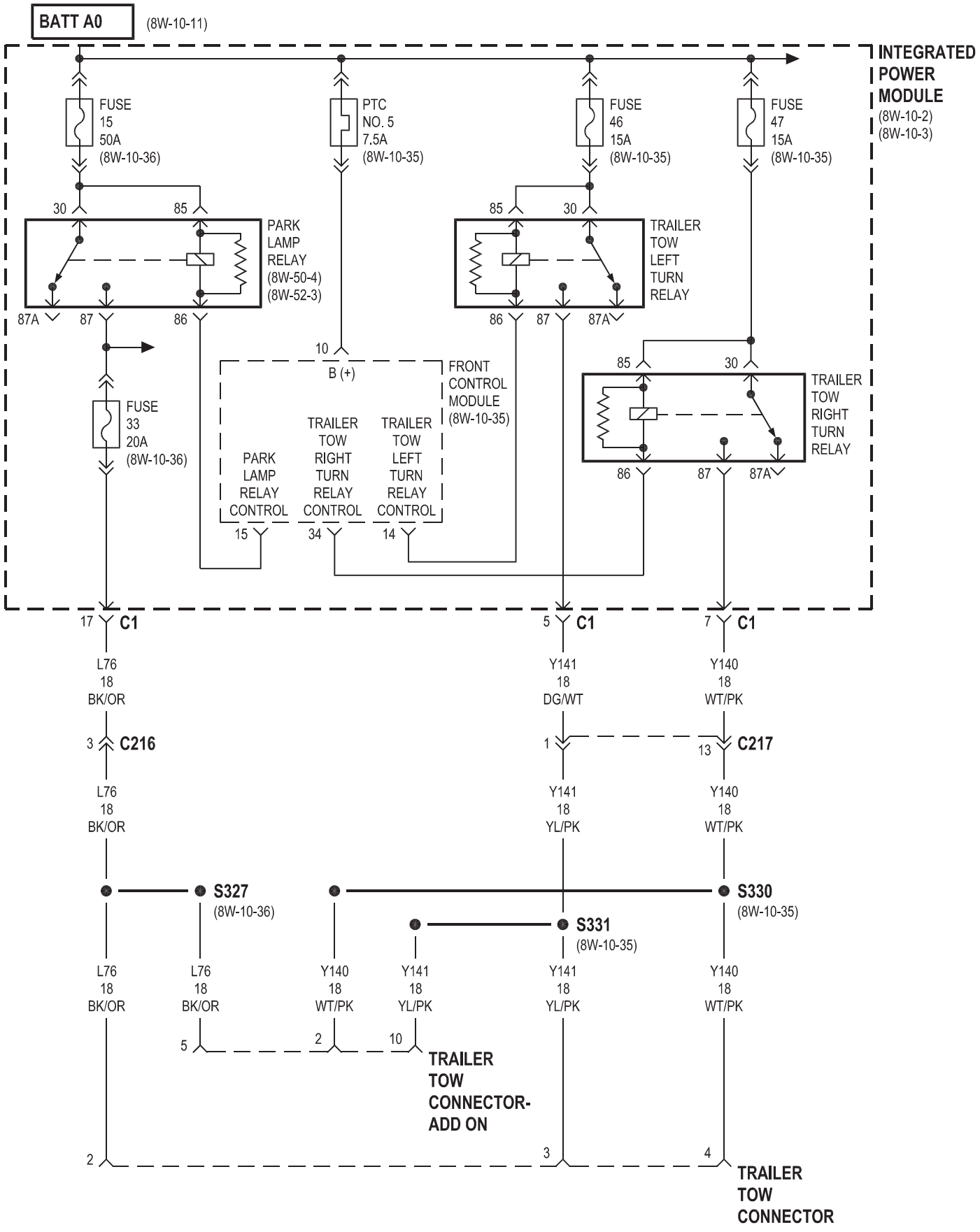

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
(8W-10-54)
PCI BUS
38
4
C3
D25
20
VT/PK
72
C219
D25
20
VT/PK
S231
(8W-18-5)
(8W-18-6)
D25
20
VT/DG
D25
20
VT/YL
S230
(8W-18-4)
1
DATA LINK CONNECTOR
(8W-18-2)
D25
20
LB/VT
MULTI-FUNCTION SWITCH
0 OFF
1 INTERMITTENT 1
2 INTERMITTENT 2
3 INTERMITTENT 3
4 INTERMITTENT 4
5 INTERMITTENT 5
6 LOW
7 HIGH
8 WASH
4
2
1
V8
20
VT
Y108
20
VT/BR
Y109
20
VT/OR
21
C3
PCI BUS
11
C2
INTERMITTENT WIPER SWITCH SENSE
8
C3
WIPER/ TURN/ BEAM SELECT SWITCH SENSE
1
C2
WASH/ BEAM SELECT SWITCH FEED
INSTRUMENT CLUSTER
(8W-40-4)
(8W-40-5)


BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE
8
30A
(8W-10-31)
FRONT CONTROL MODULE
(8W-10-31)
WIPER ON/OFF RELAY CONTROL
17
WIPER HIGH/LOW RELAY CONTROL
37
85
30
WIPER ON/ OFF RELAY
86
87
87A
30
85
WIPER HIGH/ LOW RELAY
87A
87
86
10
C5
NOT USED
8
C5
2
C7
22
C5
Z316
12
BK/OR
V3
16
BR/WT
V4
16
RD/YL
B
TO
WIPER MOTOR-FRONT
(8W-53-4)
A
TO
WIPER MOTOR-FRONT
(8W-53-4)
G106
(8W-15-4)

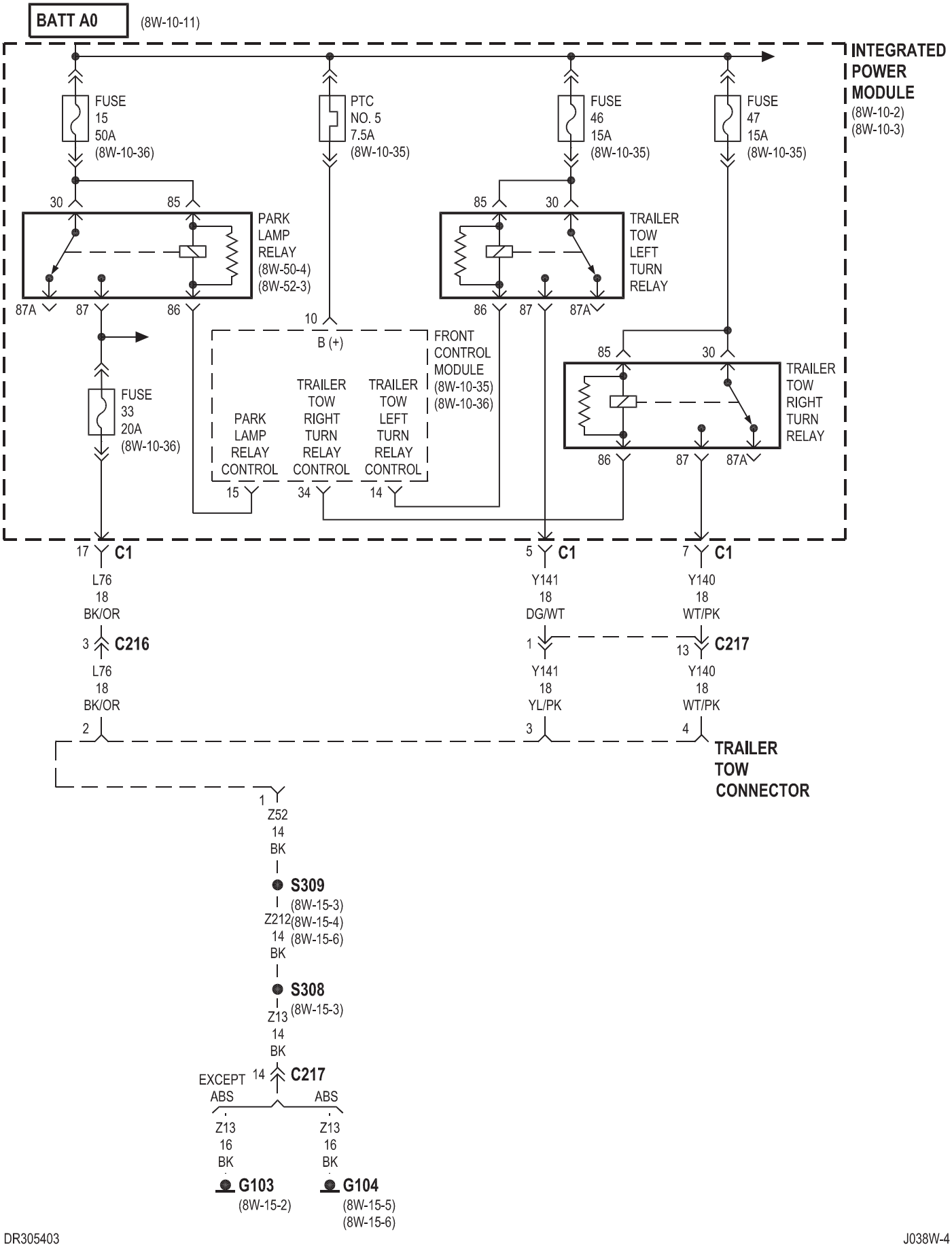

INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FRONT CONTROL MODULE
(8W-10-52)
(8W-10-54)
LOW WASHER FLUID SENSE
SENSOR GROUND
WASHER PUMP MOTOR CONTROL
WIPER PARK SWITCH SENSE
28
46
5
49
15 C4
20 C3
1 C3
12 C4
8.0L/ DIESEL
EXCEPT 8.0L/ DIESEL
Y137 20 VT/LB
V10 20 BR
V5 20 DG
S119
(8W-10-54)
D7 C130
V10 20 BR
1 C100
FROM WIPER HIGH/ LOW RELAY
(8W-53-3)
A
B
G29 20 BK/TN
Y137 20 VT/LB
C7
K7 C130
3.7L/ 4.7L
5.7L/ 5.9L
G29 18 BK/TN
Y137 18 VT/LB
4
5 C100
2
WASHER PUMP MOTOR- FRONT
M
1
Z216 20 BK/VT
V3 16 BR/WT
V4 16 RD/YL
2
5
6
WIPER MOTOR- FRONT
3
4
WASHER FLUID LEVEL SWITCH
S101
(8W-15-7)
Z147 16 BK/LB
Z247 20 BK/LB
Z44 18 BK/DG
G106
(8W-15-4)
G105
(8W-15-7)
G104
(8W-15-5)
(8W-15-6)
□ EXCEPT 8.0L/ DIESEL
□□ 8.0L/ DIESEL

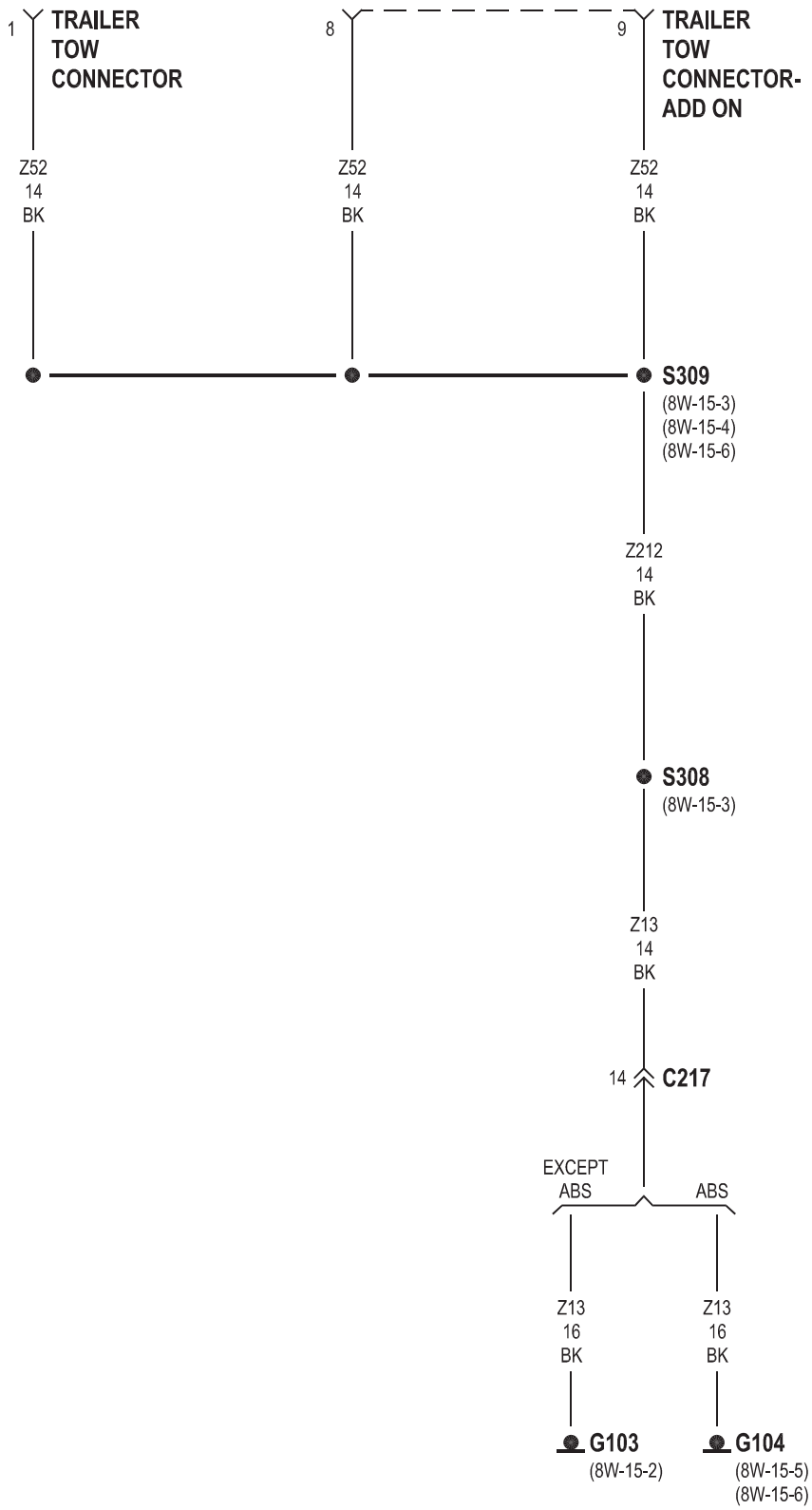
8W-54 TRAILER TOW

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

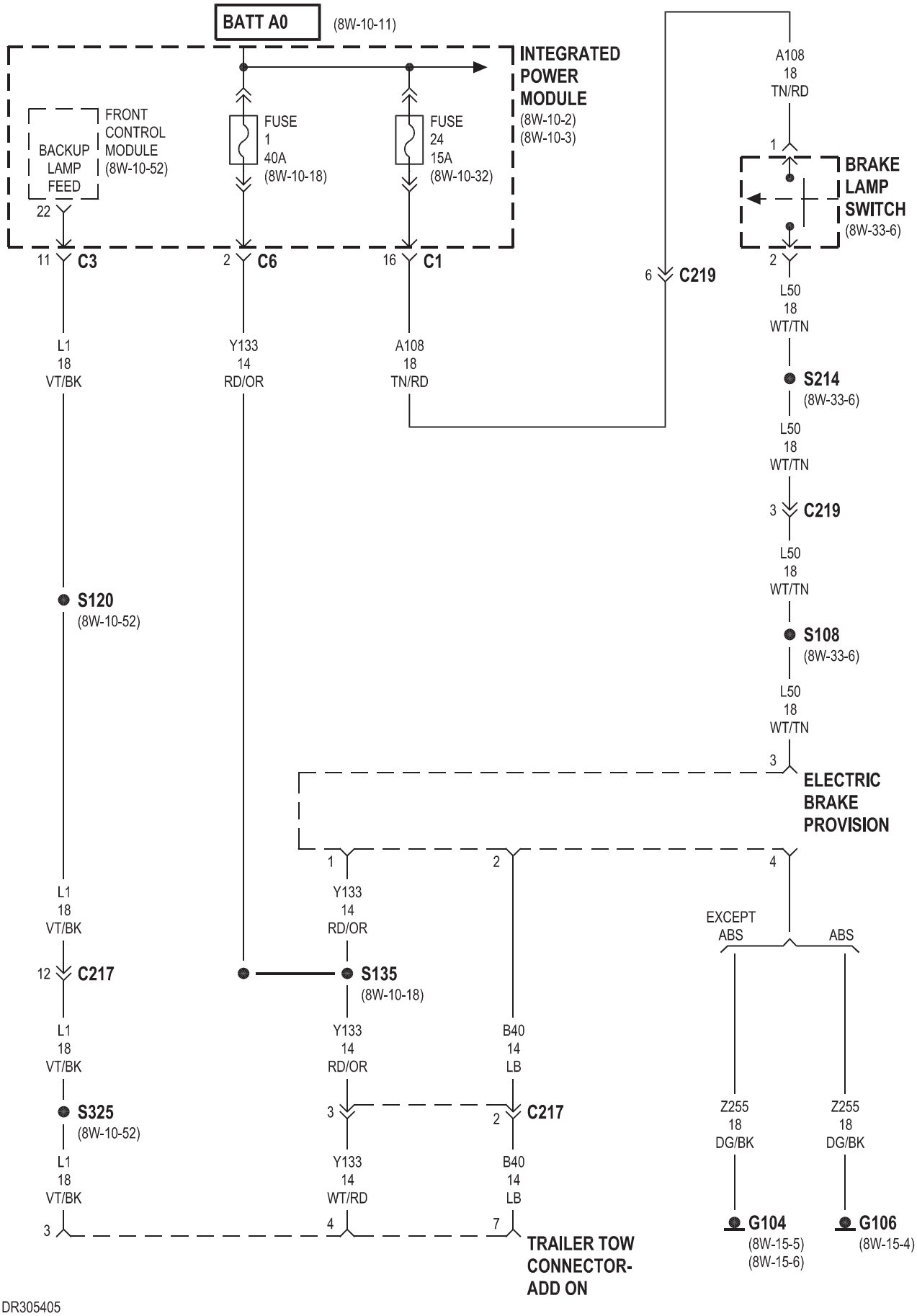

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 15 50A (8W-10-36)
PTC NO. 5 7.5A (8W-10-35)
FUSE 46 15A (8W-10-35)
FUSE 47 15A (8W-10-35)
PARK LAMP RELAY (8W-50-4) (8W-52-3)
TRAILER TOW LEFT TURN RELAY
TRAILER TOW RIGHT TURN RELAY
FUSE 33 20A (8W-10-36)
FRONT CONTROL MODULE (8W-10-35)
B (+)
PARK LAMP RELAY CONTROL
TRAILER TOW RIGHT TURN RELAY CONTROL
TRAILER TOW LEFT TURN RELAY CONTROL
C1
C216
C217
S327 (8W-10-36)
S330 (8W-10-35)
S331 (8W-10-35)
L76 18 BK/OR
Y141 18 DG/WT
Y140 18 WT/PK
Y141 18 YL/PK
Y140 18 WT/PK
TRAILER TOW CONNECTOR- ADD ON
TRAILER TOW CONNECTOR

EXCEPT ADD ON TRAILER TOW




1
TRAILER TOW CONNECTOR
8
9
TRAILER TOW CONNECTOR- ADD ON
Z52 14 BK
Z52 14 BK
Z52 14 BK
S309
(8W-15-3)
(8W-15-4)
(8W-15-6)
Z212 14 BK
S308
(8W-15-3)
Z13 14 BK
14
C217
EXCEPT ABS
ABS
Z13 16 BK
Z13 16 BK
G103
(8W-15-2)
G104
(8W-15-5)
(8W-15-6)

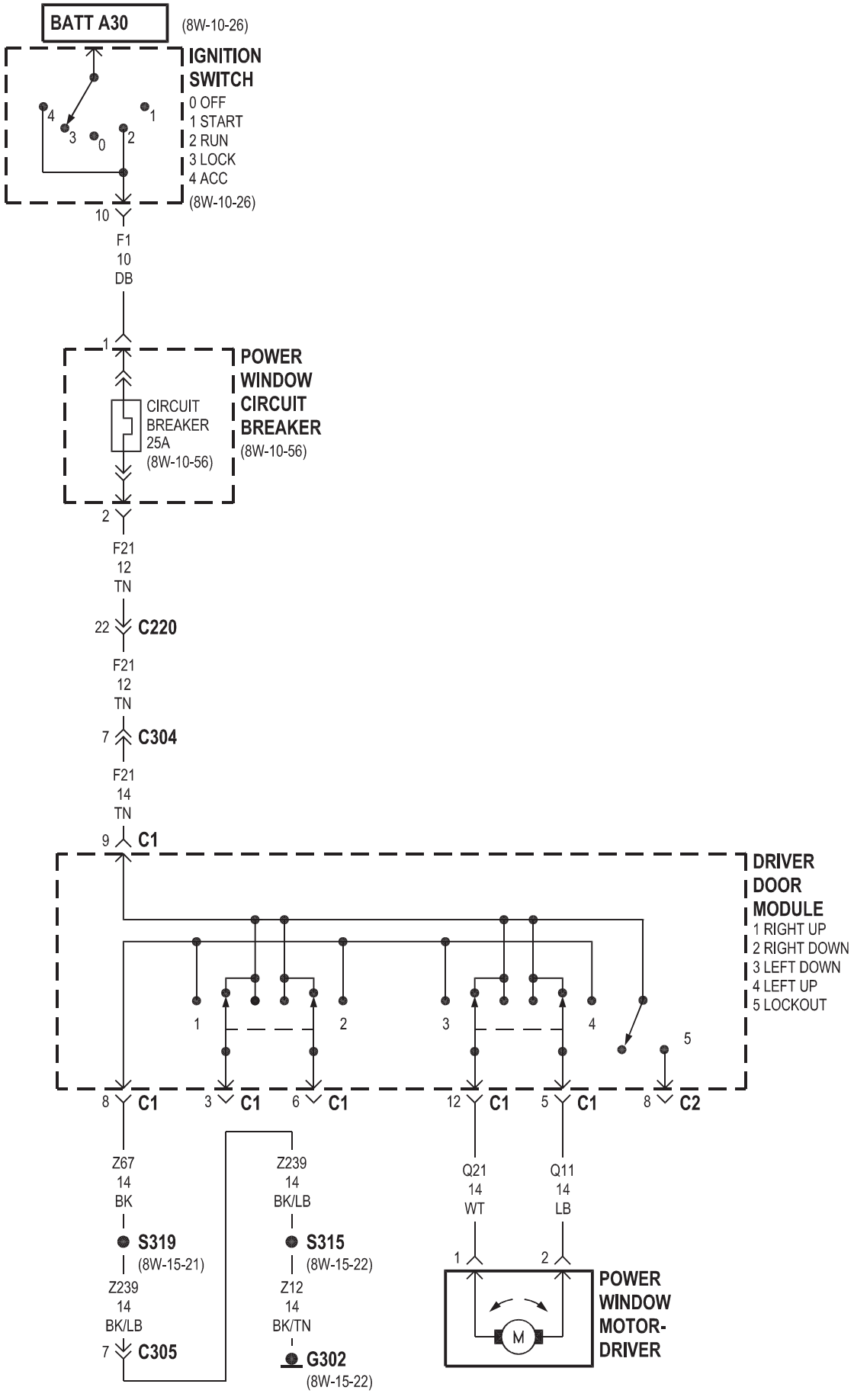
ADD ON TRAILER TOW

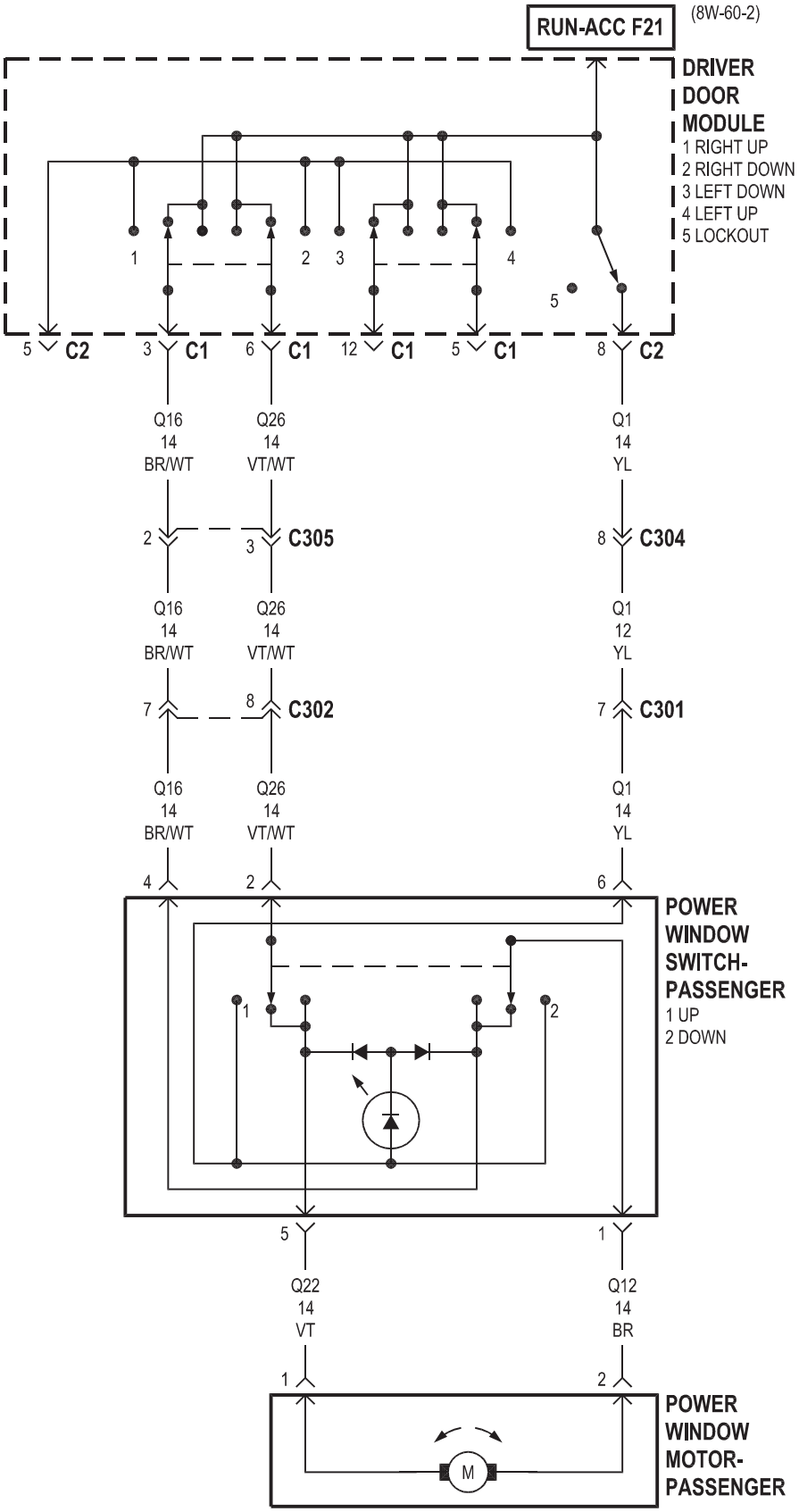


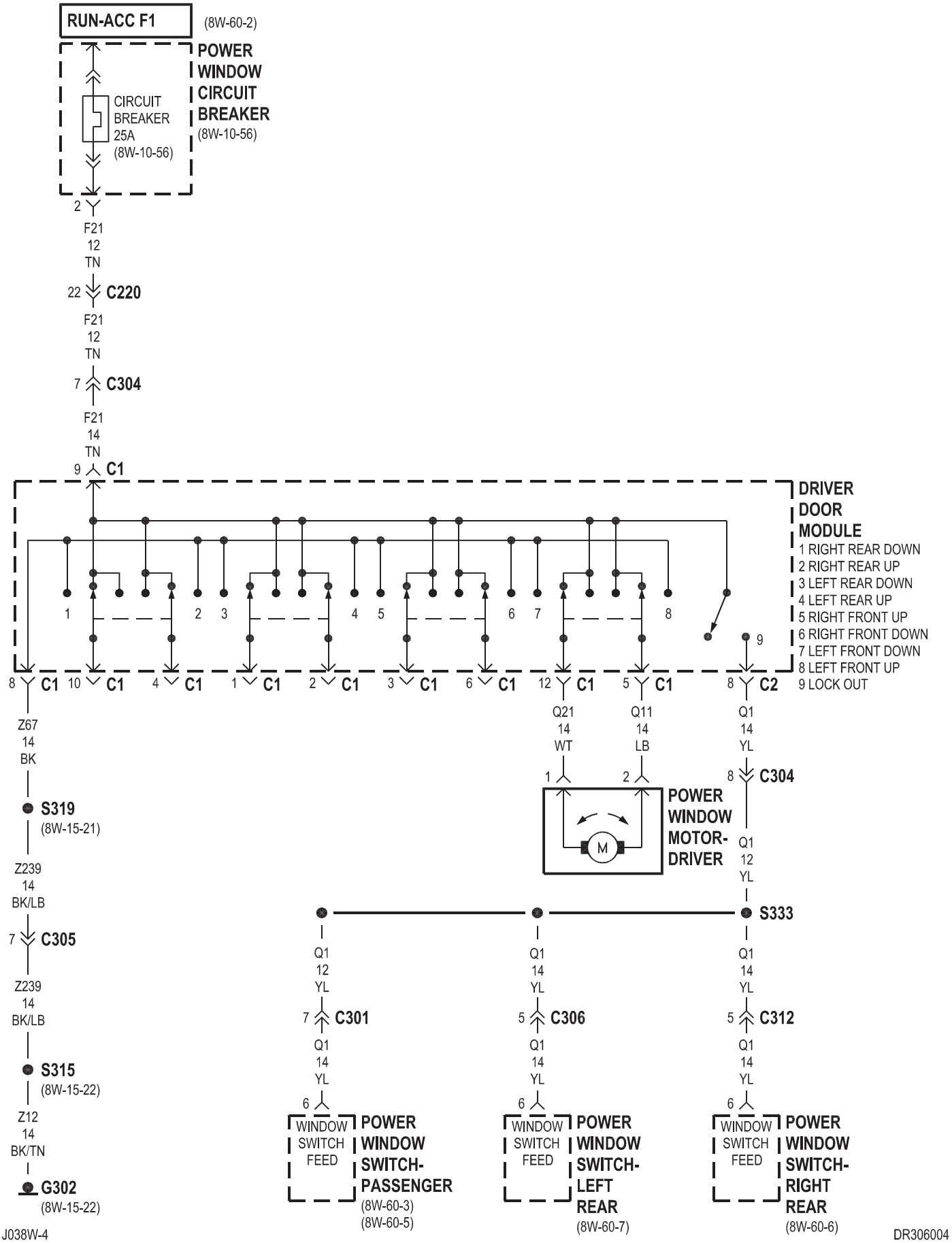
8W-60 POWER WINDOWS

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

STANDARD CAB

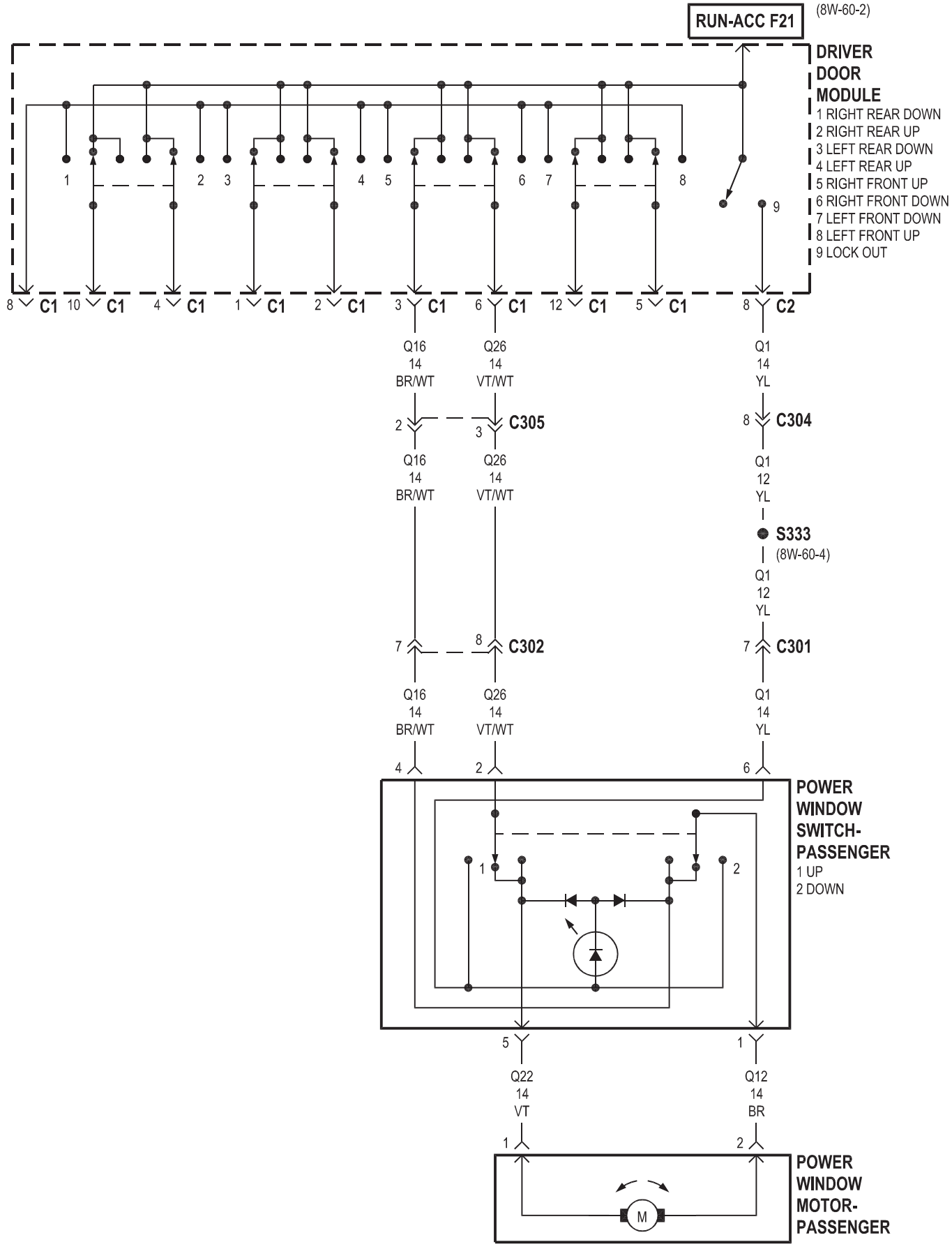


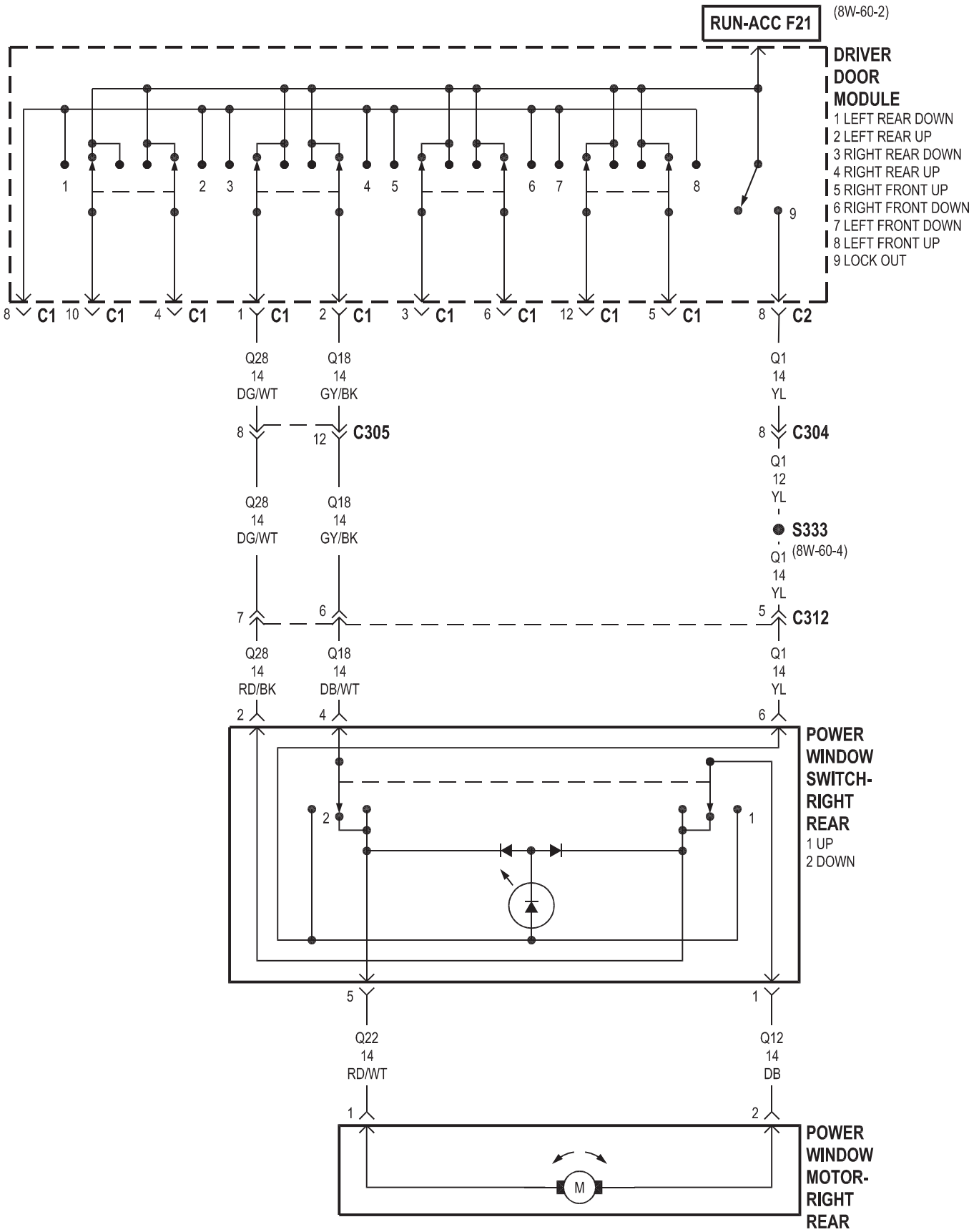

RUN-ACC F21
(8W-60-2)
DRIVER DOOR MODULE
1 RIGHT UP
2 RIGHT DOWN
3 LEFT DOWN
4 LEFT UP
5 LOCKOUT
1
2
3
4
5
5 C2
3 C1
6 C1
12 C1
5 C1
8 C2
Q16 14 BR/WT
Q26 14 VT/WT
Q1 14 YL
2 C305
3
8 C304
Q16 14 BR/WT
Q26 14 VT/WT
Q1 12 YL
7 C302
8
7 C301
Q16 14 BR/WT
Q26 14 VT/WT
Q1 14 YL
4
2
6
POWER WINDOW SWITCH- PASSENGER
1 UP
2 DOWN
1
2
5
1
Q22 14 VT
Q12 14 BR
1
2
M
POWER WINDOW MOTOR- PASSENGER

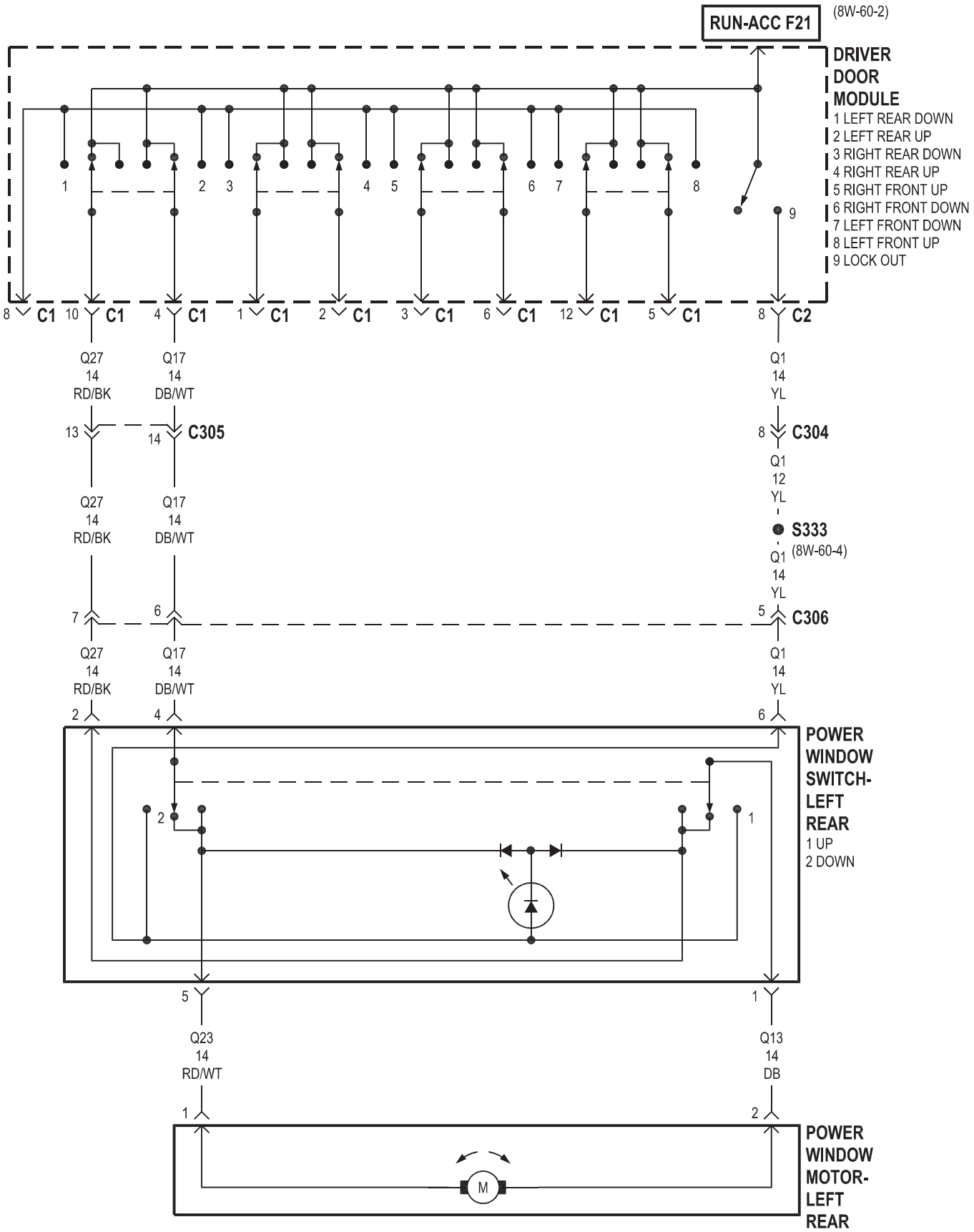


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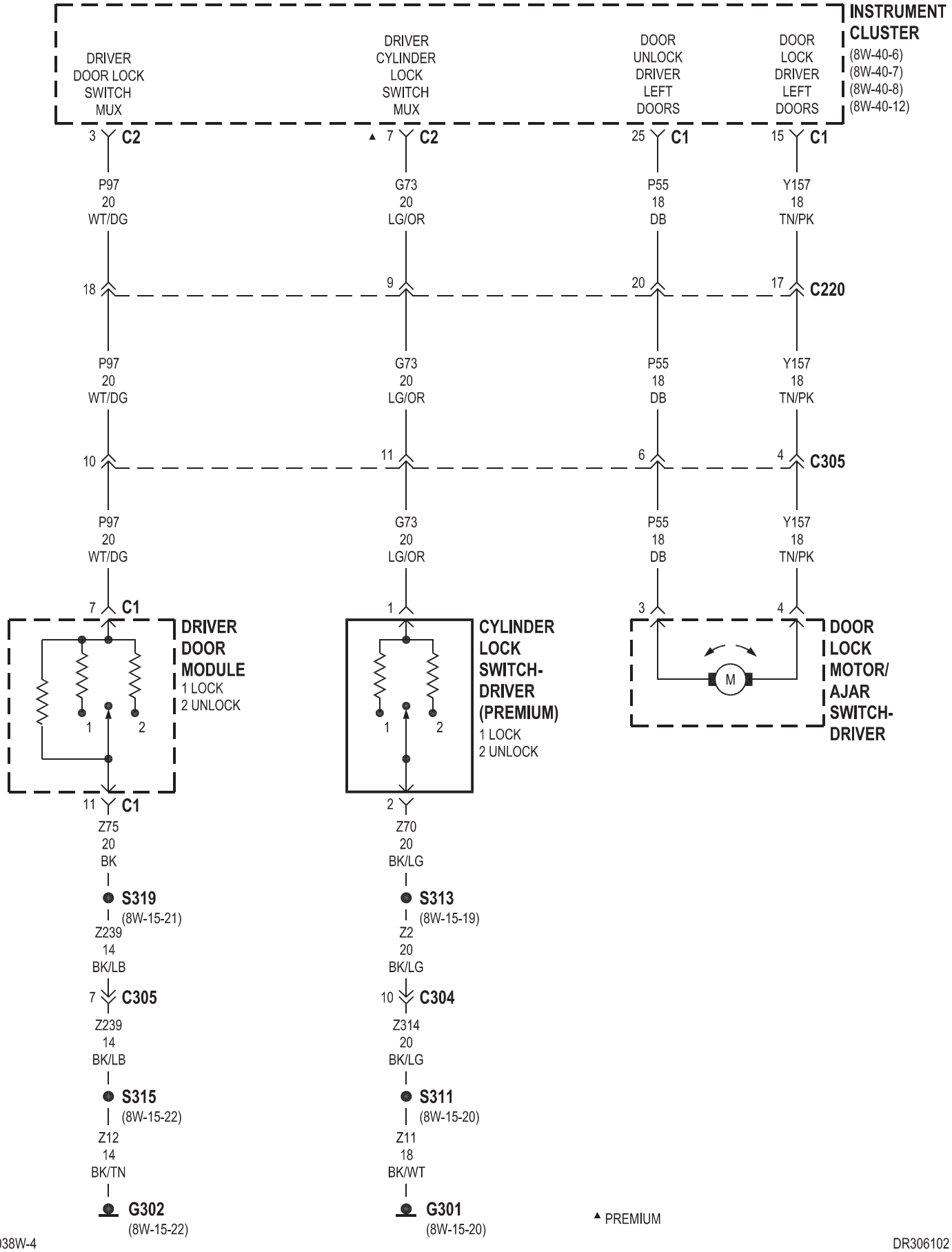

RUN-ACC F21
(8W-60-2)
DRIVER DOOR MODULE
1 RIGHT REAR DOWN
2 RIGHT REAR UP
3 LEFT REAR DOWN
4 LEFT REAR UP
5 RIGHT FRONT UP
6 RIGHT FRONT DOWN
7 LEFT FRONT DOWN
8 LEFT FRONT UP
9 LOCK OUT
8 C1
10 C1
4 C1
1 C1
2 C1
3 C1
6 C1
12 C1
5 C1
8 C2
Q16 14 BR/WT
Q26 14 VT/WT
Q1 14 YL
C305
C304
Q16 14 BR/WT
Q26 14 VT/WT
Q1 12 YL
S333
(8W-60-4)
Q1 12 YL
C302
C301
Q16 14 BR/WT
Q26 14 VT/WT
Q1 14 YL
POWER WINDOW SWITCH-PASSENGER
1 UP
2 DOWN
Q22 14 VT
Q12 14 BR
POWER WINDOW MOTOR-PASSENGER
M


RUN-ACC F21
(8W-60-2)
DRIVER DOOR MODULE
1 LEFT REAR DOWN
2 LEFT REAR UP
3 RIGHT REAR DOWN
4 RIGHT REAR UP
5 RIGHT FRONT UP
6 RIGHT FRONT DOWN
7 LEFT FRONT DOWN
8 LEFT FRONT UP
9 LOCK OUT
8 C1
10 C1
4 C1
1 C1
2 C1
3 C1
6 C1
12 C1
5 C1
8 C2
Q28 14 DG/WT
Q18 14 GY/BK
Q1 14 YL
C305
C304
Q1 12 YL
S333
(8W-60-4)
Q1 14 YL
C312
Q28 14 RD/BK
Q18 14 DB/WT
POWER WINDOW SWITCH-RIGHT REAR
1 UP
2 DOWN
Q22 14 RD/WT
Q12 14 DB
M
POWER WINDOW MOTOR-RIGHT REAR

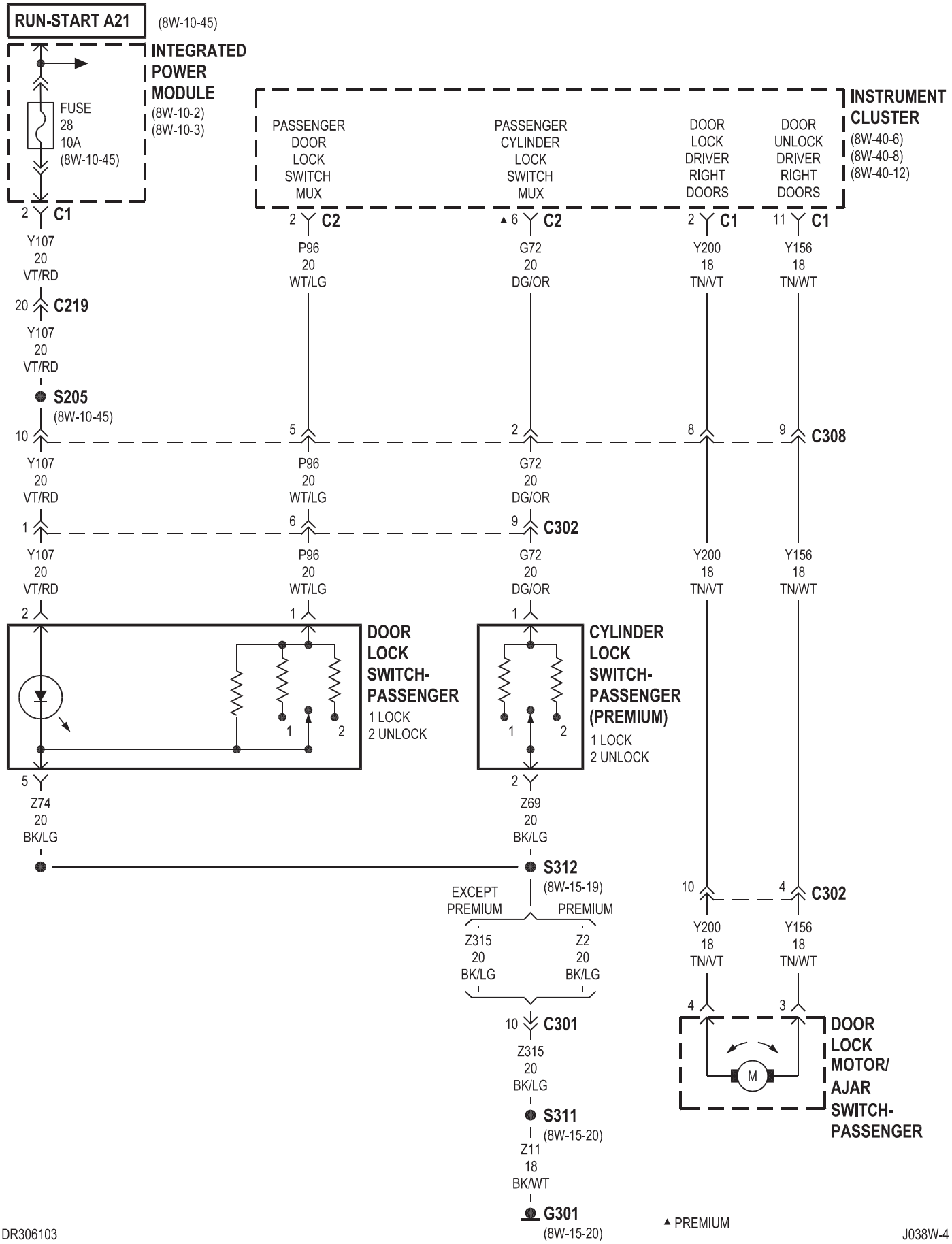

RUN-ACC F21
(8W-60-2)
DRIVER DOOR MODULE
1 LEFT REAR DOWN
2 LEFT REAR UP
3 RIGHT REAR DOWN
4 RIGHT REAR UP
5 RIGHT FRONT UP
6 RIGHT FRONT DOWN
7 LEFT FRONT DOWN
8 LEFT FRONT UP
9 LOCK OUT
8 C1 10 C1 4 C1 1 C1 2 C1 3 C1 6 C1 12 C1 5 C1 8 C2
Q27 14 RD/BK
Q17 14 DB/WT
Q1 14 YL
13 14 C305
8 C304
Q1 12 YL
S333
(8W-60-4)
Q1 14 YL
7 6 5 C306
2 4 6
POWER WINDOW SWITCH-LEFT REAR
1 UP
2 DOWN
5 1
Q23 14 RD/WT
Q13 14 DB
1 2
M
POWER WINDOW MOTOR-LEFT REAR

8W-61 POWER DOOR LOCKS

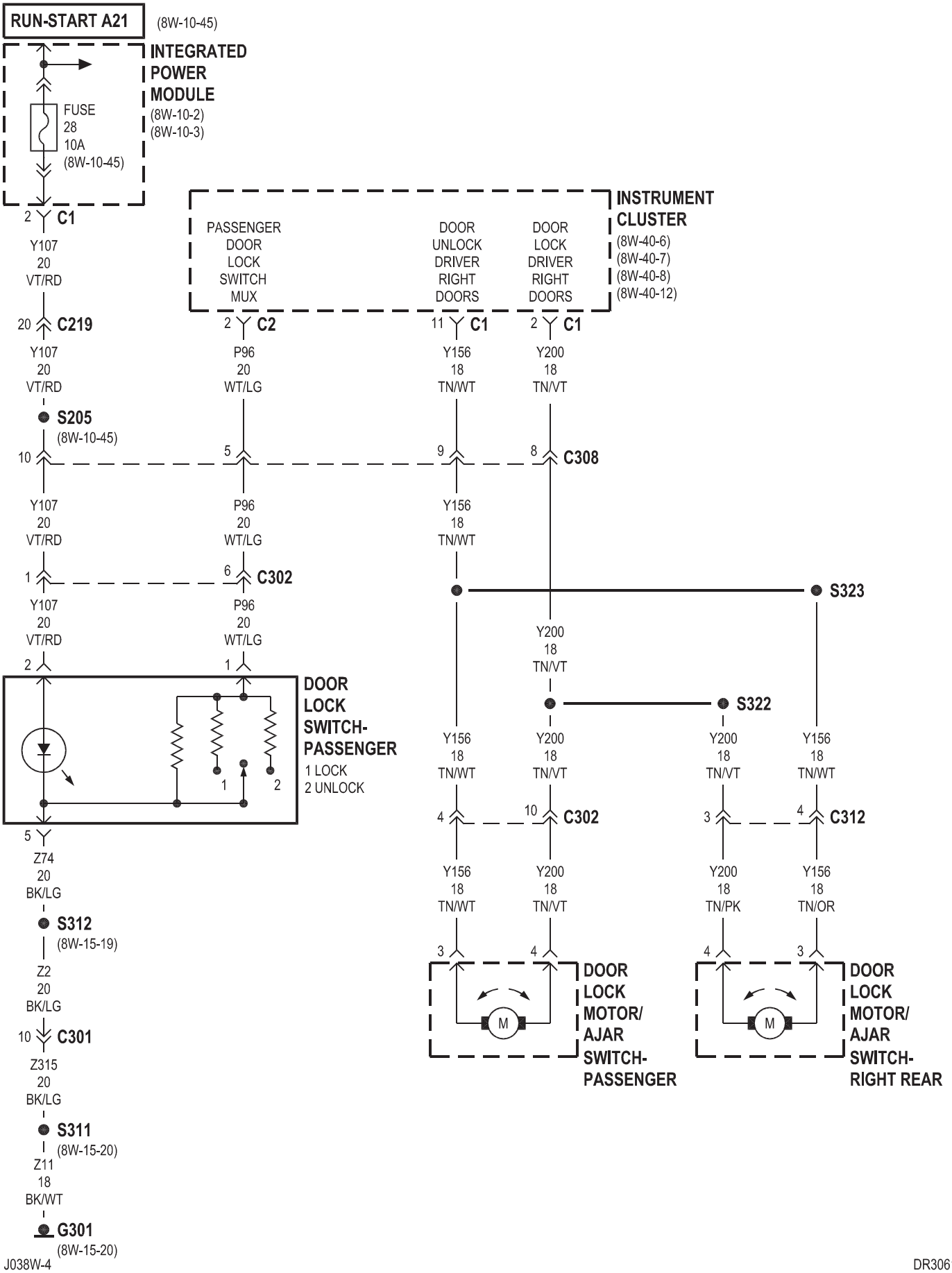
Component	Page
Cylinder Lock Switch-Driver	8W-61-2
Cylinder Lock Switch-Passenger	8W-61-3, 5
Door Lock Motor/Ajar Switch-Driver	8W-61-2
Door Lock Motor/Ajar Switch-Left Rear	8W-61-5
Door Lock Motor/Ajar Switch-Passenger	8W-61-3, 4
Door Lock Motor/Ajar Switch-Right Rear	8W-61-4
Door Lock Switch- Passenger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

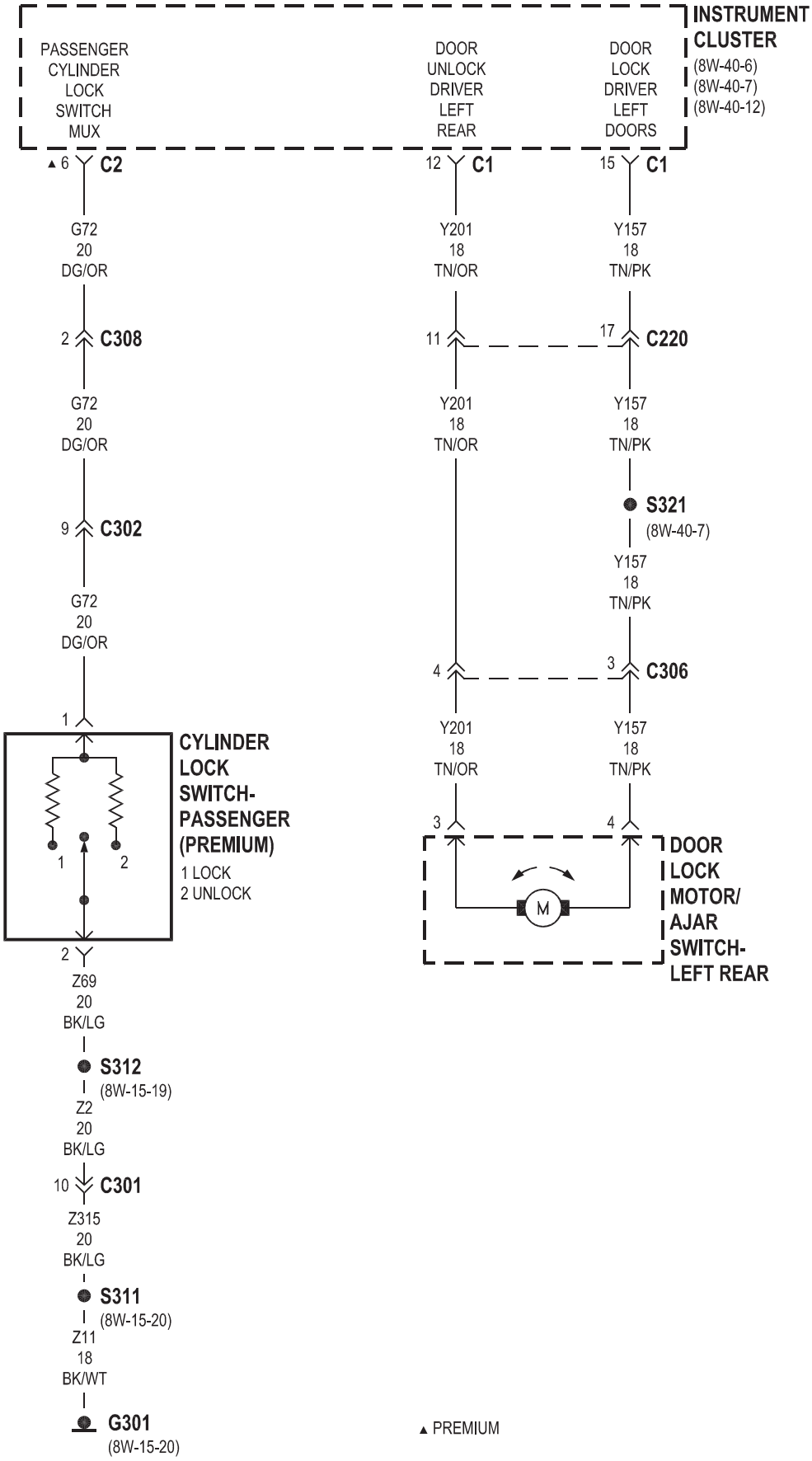

INSTRUMENT CLUSTER
(8W-40-6)
(8W-40-7)
(8W-40-8)
(8W-40-12)
DRIVER DOOR LOCK SWITCH MUX
DRIVER CYLINDER LOCK SWITCH MUX
DOOR UNLOCK DRIVER LEFT DOORS
DOOR LOCK DRIVER LEFT DOORS
3 C2
▲ 7 C2
25 C1
15 C1
P97 20 WT/DG
G73 20 LG/OR
P55 18 DB
Y157 18 TN/PK
18
9
20
17 C220
10
11
6
4 C305
7 C1
1
3
4
DRIVER DOOR MODULE
1 LOCK
2 UNLOCK
CYLINDER LOCK SWITCH-DRIVER (PREMIUM)
1 LOCK
2 UNLOCK
DOOR LOCK MOTOR/ AJAR SWITCH-DRIVER
M
11 C1
2
Z75 20 BK
Z70 20 BK/LG
S319
(8W-15-21)
S313
(8W-15-19)
Z239 14 BK/LB
Z2 20 BK/LG
7 C305
10 C304
Z239 14 BK/LB
Z314 20 BK/LG
S315
(8W-15-22)
S311
(8W-15-20)
Z12 14 BK/TN
Z11 18 BK/WT
G302
(8W-15-22)
G301
(8W-15-20)
▲ PREMIUM

STANDARD CAB



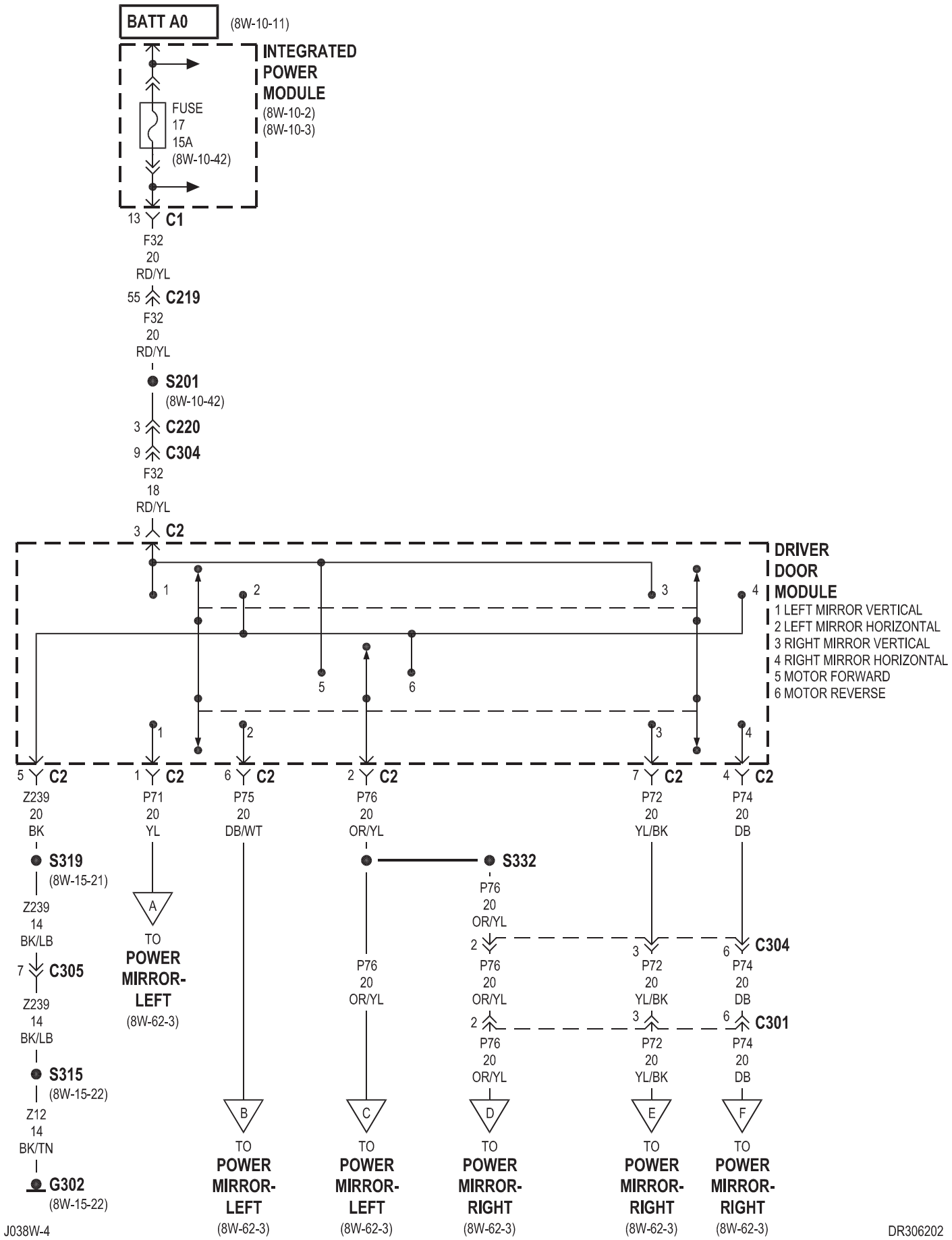
▲ PREMIUM

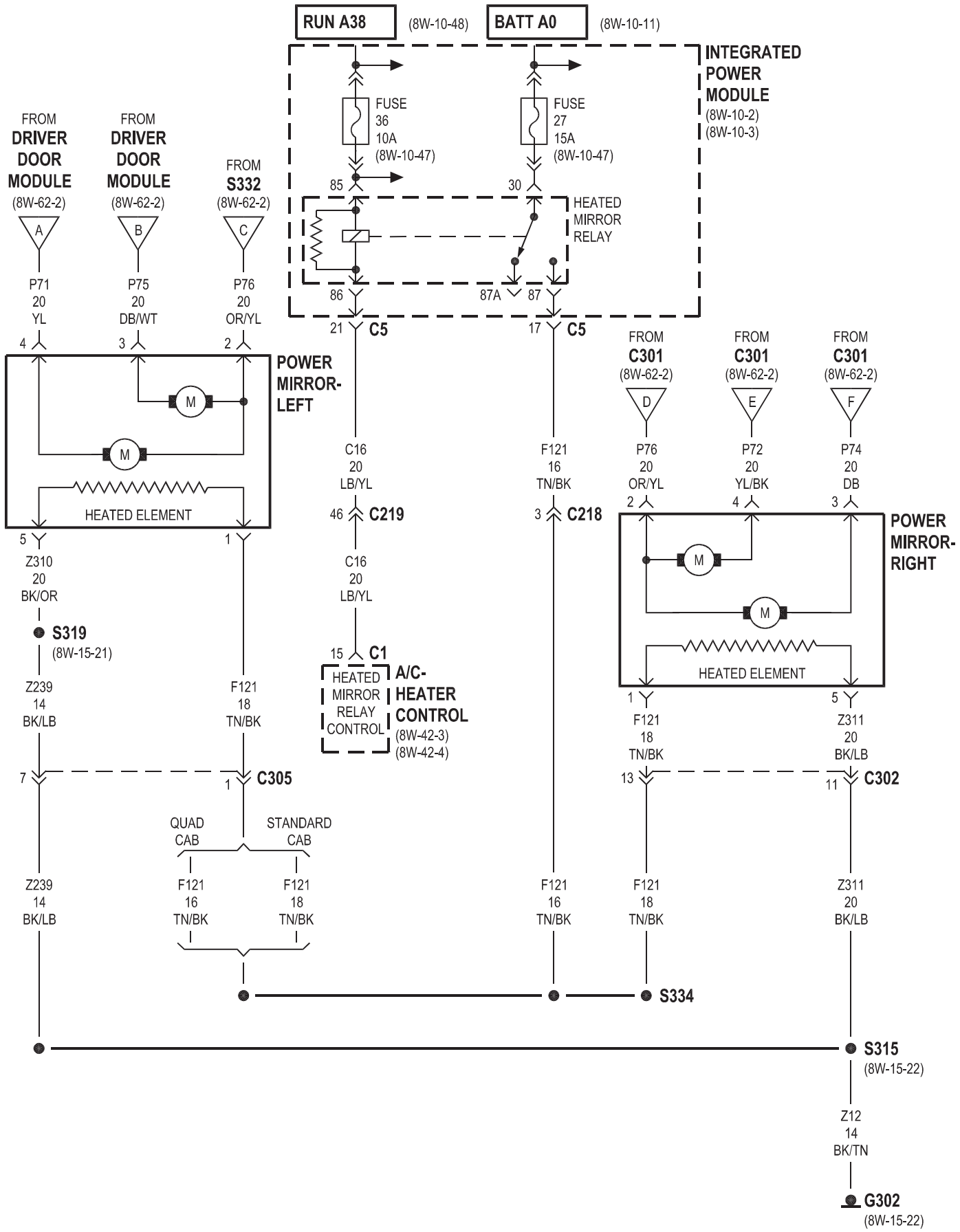

RUN-START A21
(8W-10-45)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 28 10A
(8W-10-45)
2 C1
Y107 20 VT/RD
20 C219
Y107 20 VT/RD
S205
(8W-10-45)
10
Y107 20 VT/RD
1
Y107 20 VT/RD
2
DOOR LOCK SWITCH-PASSENGER
1 LOCK
2 UNLOCK
5
Z74 20 BK/LG
S312
(8W-15-19)
Z2 20 BK/LG
10 C301
Z315 20 BK/LG
S311
(8W-15-20)
Z11 18 BK/WT
G301
(8W-15-20)
INSTRUMENT CLUSTER
(8W-40-6)
(8W-40-7)
(8W-40-8)
(8W-40-12)
PASSENGER DOOR LOCK SWITCH MUX
2 C2
P96 20 WT/LG
5
P96 20 WT/LG
6 C302
P96 20 WT/LG
1
DOOR UNLOCK DRIVER RIGHT DOORS
11 C1
Y156 18 TN/WT
9
Y156 18 TN/WT
Y156 18 TN/WT
4
Y156 18 TN/WT
3
DOOR LOCK DRIVER RIGHT DOORS
2 C1
Y200 18 TN/VT
8 C308
S323
Y200 18 TN/VT
S322
Y200 18 TN/VT
10 C302
Y200 18 TN/VT
4
Y200 18 TN/VT
4
DOOR LOCK MOTOR/ AJAR SWITCH-PASSENGER
Y200 18 TN/VT
3 C312
Y200 18 TN/PK
4
DOOR LOCK MOTOR/ AJAR SWITCH-RIGHT REAR
Y156 18 TN/WT
4 C312
Y156 18 TN/OR
3
M
M


INSTRUMENT CLUSTER
(8W-40-6)
(8W-40-7)
(8W-40-12)
PASSENGER CYLINDER LOCK SWITCH MUX
DOOR UNLOCK DRIVER LEFT REAR
DOOR LOCK DRIVER LEFT DOORS
▲ 6 C2
12 C1
15 C1
G72 20 DG/OR
Y201 18 TN/OR
Y157 18 TN/PK
2 C308
11 17 C220
S321
(8W-40-7)
9 C302
4 3 C306
1
CYLINDER LOCK SWITCH- PASSENGER (PREMIUM)
1 LOCK
2 UNLOCK
2
Z69 20 BK/LG
S312
(8W-15-19)
Z2 20 BK/LG
10 C301
Z315 20 BK/LG
S311
(8W-15-20)
Z11 18 BK/WT
G301
(8W-15-20)
DOOR LOCK MOTOR/ AJAR SWITCH- LEFT REAR
M
▲ PREMIUM

8W-62 POWER MIRRORS

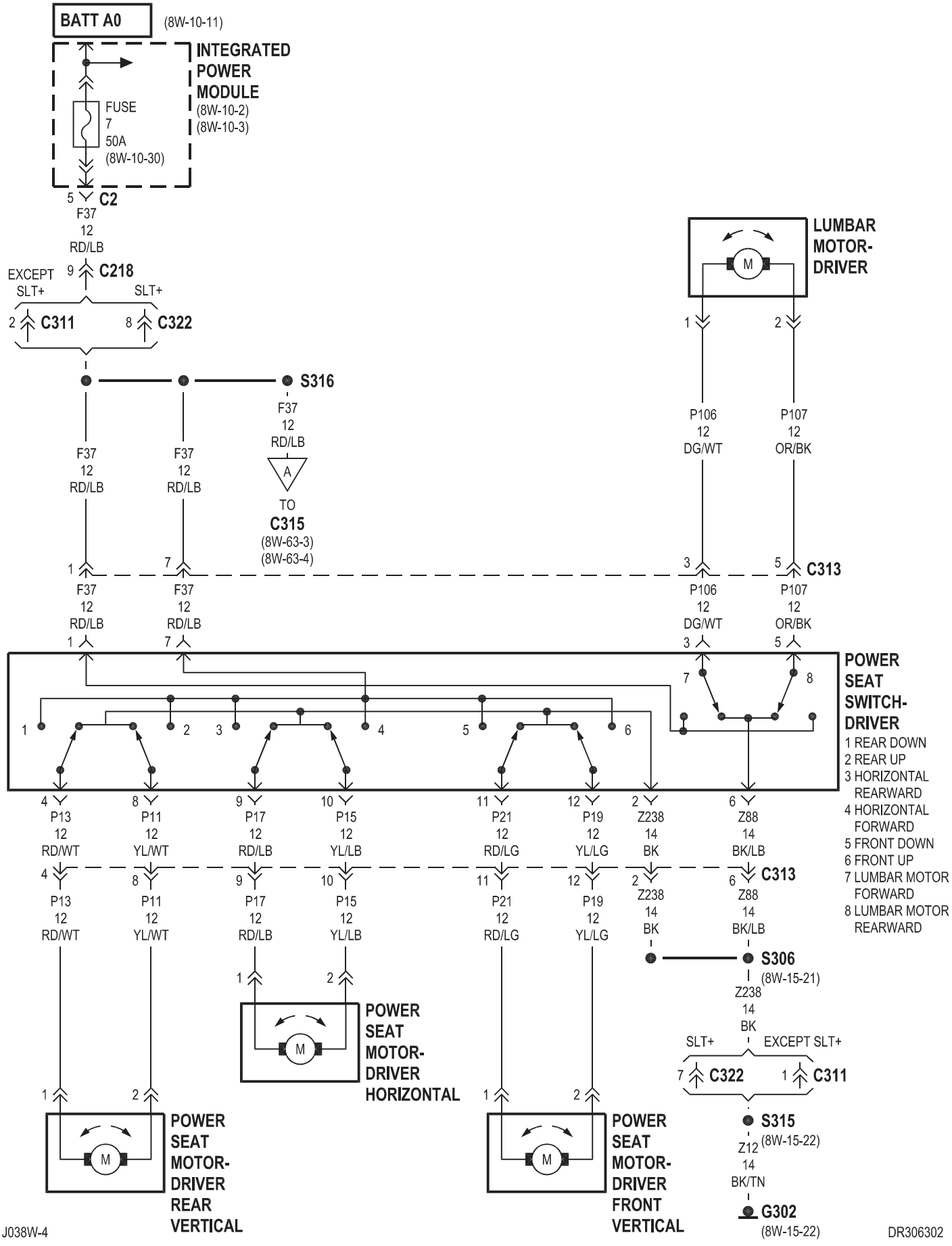
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Driver Door Module	8W-62-2, 3
Fuse 17	8W-62-2
Fuse 27	8W-62-3
Fuse 36	8W-62-3
G302	8W-62-2, 3
Heated Mirror Relay	8W-62-3
Integrated Power Module	8W-62-2, 3
Power Mirror-Left	8W-62-2, 3
Power Mirror-Right	8W-62-2, 3


BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 17 15A
(8W-10-42)
13 C1
F32 20 RD/YL
55 C219
F32 20 RD/YL
S201
(8W-10-42)
3 C220
9 C304
F32 18 RD/YL
3 C2
DRIVER DOOR MODULE
1 LEFT MIRROR VERTICAL
2 LEFT MIRROR HORIZONTAL
3 RIGHT MIRROR VERTICAL
4 RIGHT MIRROR HORIZONTAL
5 MOTOR FORWARD
6 MOTOR REVERSE
5 C2 Z239 20 BK
1 C2 P71 20 YL
6 C2 P75 20 DB/WT
2 C2 P76 20 OR/YL
7 C2 P72 20 YL/BK
4 C2 P74 20 DB
S319
(8W-15-21)
Z239 14 BK/LB
7 C305
Z239 14 BK/LB
S315
(8W-15-22)
Z12 14 BK/TN
G302
(8W-15-22)
A
TO POWER MIRROR-LEFT
(8W-62-3)
S332
P76 20 OR/YL
2 P76 20 OR/YL
2 P76 20 OR/YL
P76 20 OR/YL
3 P72 20 YL/BK
3 P72 20 YL/BK
6 C304
P74 20 DB
6 C301
P74 20 DB
B
C
D
E
F
TO POWER MIRROR-LEFT (8W-62-3)
TO POWER MIRROR-LEFT (8W-62-3)
TO POWER MIRROR-RIGHT (8W-62-3)
TO POWER MIRROR-RIGHT (8W-62-3)
TO POWER MIRROR-RIGHT (8W-62-3)
J038W-4
DR306202

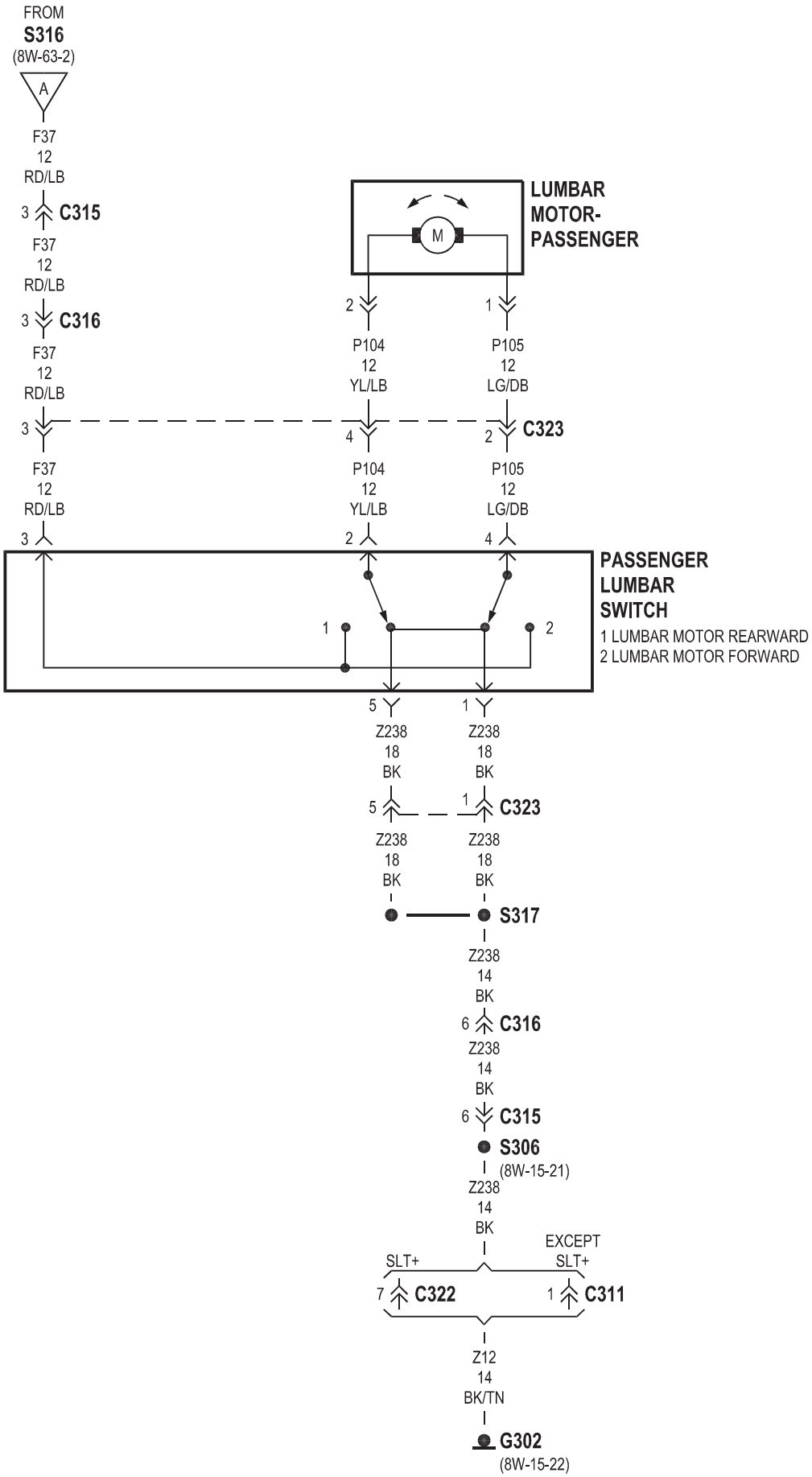

RUN A38
(8W-10-48)
BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 36 10A (8W-10-47)
FUSE 27 15A (8W-10-47)
85
30
HEATED MIRROR RELAY
86
87A
87
21 C5
17 C5
FROM DRIVER DOOR MODULE (8W-62-2)
A
P71 20 YL
4
FROM DRIVER DOOR MODULE (8W-62-2)
B
P75 20 DB/WT
3
FROM S332 (8W-62-2)
C
P76 20 OR/YL
2
POWER MIRROR-LEFT
M
M
HEATED ELEMENT
5
1
Z310 20 BK/OR
S319
(8W-15-21)
Z239 14 BK/LB
F121 18 TN/BK
7
1 C305
C16 20 LB/YL
46 C219
C16 20 LB/YL
15 C1
HEATED MIRROR RELAY CONTROL
A/C-HEATER CONTROL
(8W-42-3)
(8W-42-4)
F121 16 TN/BK
3 C218
FROM C301 (8W-62-2)
D
P76 20 OR/YL
2
FROM C301 (8W-62-2)
E
P72 20 YL/BK
4
FROM C301 (8W-62-2)
F
P74 20 DB
3
POWER MIRROR-RIGHT
M
M
HEATED ELEMENT
1
5
F121 18 TN/BK
Z311 20 BK/LB
13
11 C302
QUAD CAB
STANDARD CAB
F121 16 TN/BK
F121 18 TN/BK
F121 16 TN/BK
F121 18 TN/BK
Z311 20 BK/LB
Z239 14 BK/LB
S334
S315
(8W-15-22)
Z12 14 BK/TN
G302
(8W-15-22)

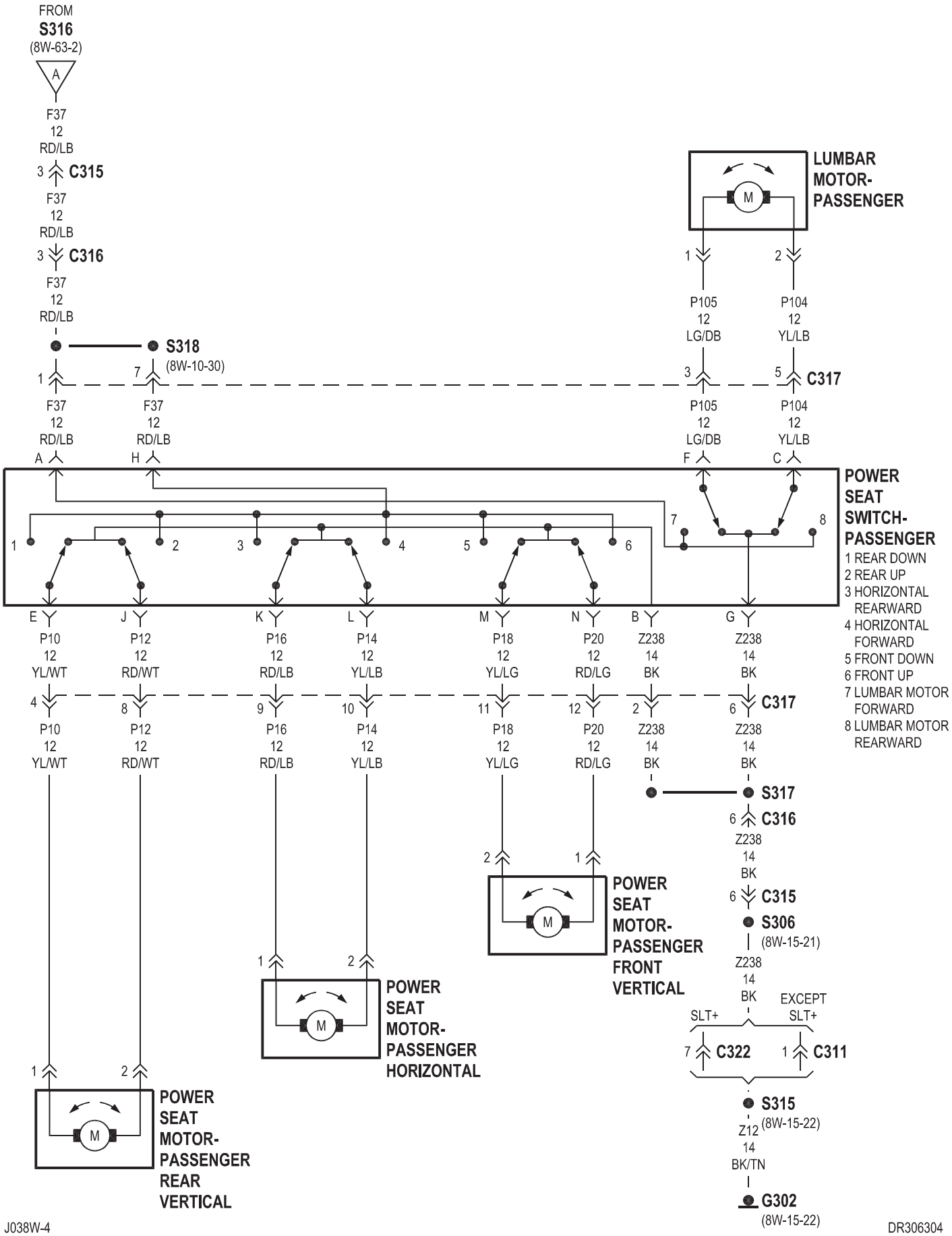
8W-63 POWER SEATS

Component	Page
Fuse 7	8W-63-2
Fuse 48	8W-63-6
G201	8W-63-5
G302	8W-63-2, 3, 4, 6
Heated Seat Cushion-Driver	8W-63-6
Heated Seat Cushion-Passenger	8W-63-6
Heated Seat Switch-Driver	8W-63-5, 6
Heated Seat Switch-Passenger	8W-63-5, 6
Instrument Cluster	8W-63-5
Integrated Power Module	8W-63-2, 6
Lumbar Motor-Driver	8W-63-2
Lumbar Motor-Passenger	8W-63-3, 4
Passenger Lumbar Switch	8W-63-3
Power Seat Motor-Driver Front Vertical	8W-63-2
Power Seat Motor-Driver Horizontal	8W-63-2
Power Seat Motor-Driver Rear Vertical	8W-63-2
Power Seat Motor-Passenger Front Vertical	8W-63-4
Power Seat Motor-Passenger Horizontal	8W-63-4
Power Seat Motor-Passenger Rear Vertical	8W-63-4
Power Seat Switch-Driver	8W-63-2
Power Seat Switch-Passenger	8W-63-4
Seat Heater Interface Module	8W-63-6

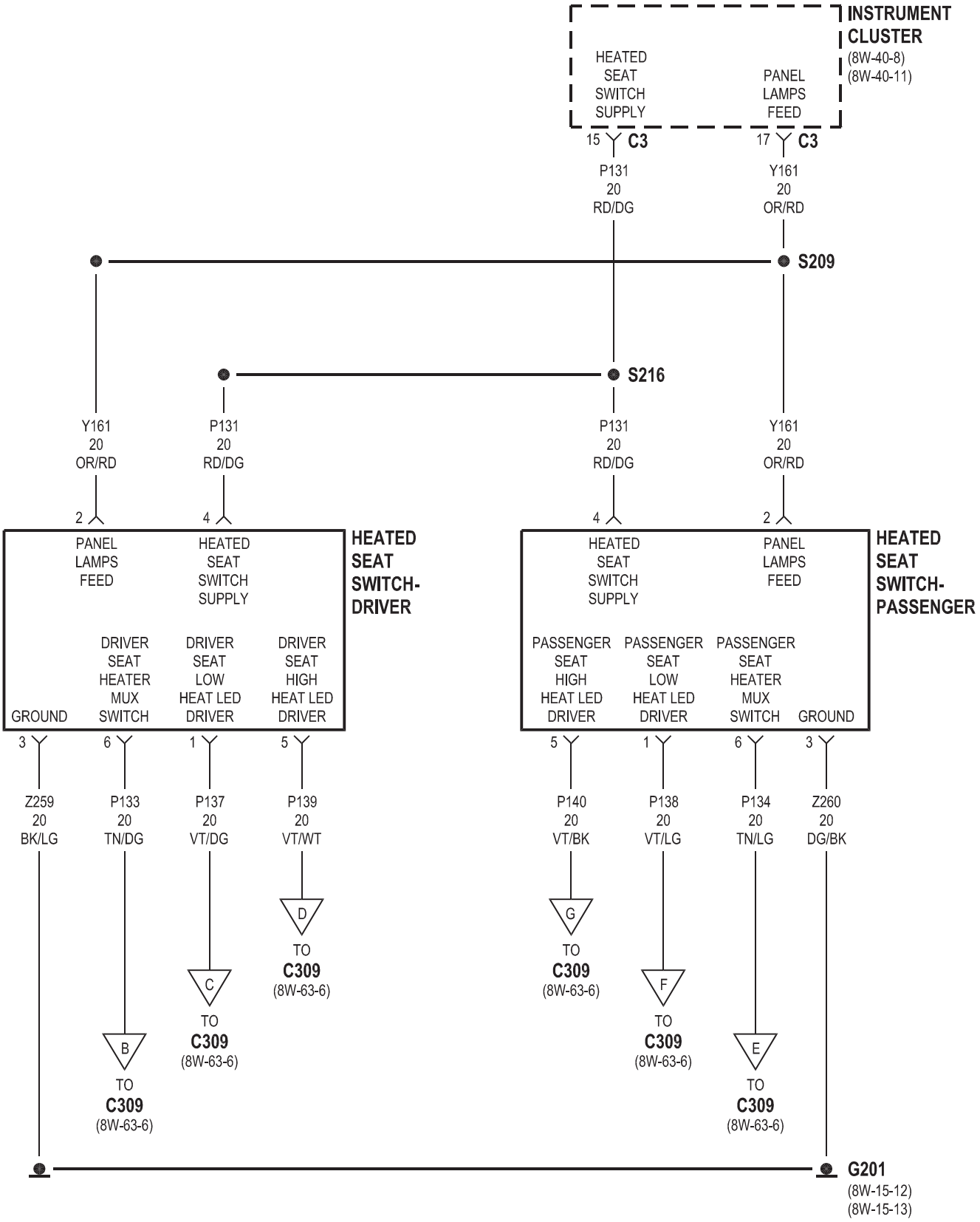

BATT A0
(8W-10-11)
INTEGRATED POWER MODULE
(8W-10-2)
(8W-10-3)
FUSE 7 50A
(8W-10-30)
5 C2
F37 12 RD/LB
EXCEPT SLT+
9 C218
SLT+
2 C311
8 C322
S316
F37 12 RD/LB
A
TO C315
(8W-63-3)
(8W-63-4)
LUMBAR MOTOR-DRIVER
M
1
2
P106 12 DG/WT
P107 12 OR/BK
3
5 C313
7
8
POWER SEAT SWITCH-DRIVER
1 REAR DOWN
2 REAR UP
3 HORIZONTAL REARWARD
4 HORIZONTAL FORWARD
5 FRONT DOWN
6 FRONT UP
7 LUMBAR MOTOR FORWARD
8 LUMBAR MOTOR REARWARD
4 P13 12 RD/WT
8 P11 12 YL/WT
9 P17 12 RD/LB
10 P15 12 YL/LB
11 P21 12 RD/LG
12 P19 12 YL/LG
2 Z238 14 BK
6 Z88 14 BK/LB
S306
(8W-15-21)
Z238 14 BK
SLT+
EXCEPT SLT+
7 C322
1 C311
S315
(8W-15-22)
Z12 14 BK/TN
G302
(8W-15-22)
POWER SEAT MOTOR-DRIVER HORIZONTAL
POWER SEAT MOTOR-DRIVER REAR VERTICAL
POWER SEAT MOTOR-DRIVER FRONT VERTICAL

STANDARD CAB

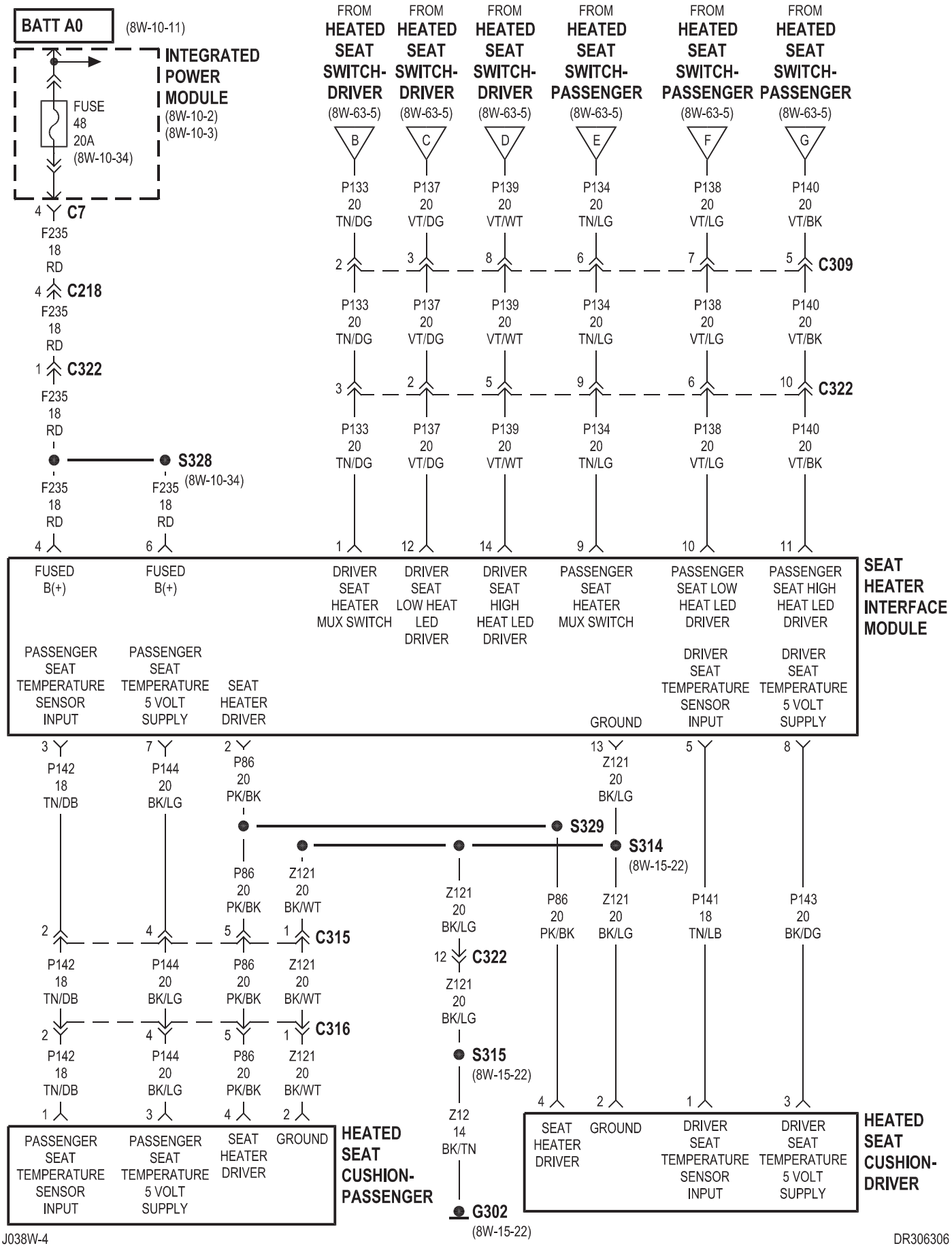



FROM
S316
(8W-63-2)
A
F37
12
RD/LB
3 C315
F37
12
RD/LB
3 C316
F37
12
RD/LB
S318
1
7 (8W-10-30)
F37
12
RD/LB
A
F37
12
RD/LB
H
LUMBAR
MOTOR-
PASSENGER
M
1
2
P105
12
LG/DB
P104
12
YL/LB
3 C317
5
P105
12
LG/DB
F
P104
12
YL/LB
C
POWER
SEAT
SWITCH-
PASSENGER
1 REAR DOWN
2 REAR UP
3 HORIZONTAL
REARWARD
4 HORIZONTAL
FORWARD
5 FRONT DOWN
6 FRONT UP
7 LUMBAR MOTOR
FORWARD
8 LUMBAR MOTOR
REARWARD
E
P10
12
YL/WT
J
P12
12
RD/WT
K
P16
12
RD/LB
L
P14
12
YL/LB
M
P18
12
YL/LG
N
P20
12
RD/LG
B
Z238
14
BK
G
Z238
14
BK
4
P10
12
YL/WT
8
P12
12
RD/WT
9
P16
12
RD/LB
10
P14
12
YL/LB
11
P18
12
YL/LG
12
P20
12
RD/LG
2
Z238
14
BK
6 C317
Z238
14
BK
S317
6 C316
Z238
14
BK
6 C315
S306
(8W-15-21)
Z238
14
BK
EXCEPT
SLT+
SLT+
7 C322
1 C311
S315
Z12
14
BK/TN
G302
(8W-15-22)
(8W-15-22)
POWER
SEAT
MOTOR-
PASSENGER
FRONT
VERTICAL
POWER
SEAT
MOTOR-
PASSENGER
HORIZONTAL
POWER
SEAT
MOTOR-
PASSENGER
REAR
VERTICAL

HEATED SEATS

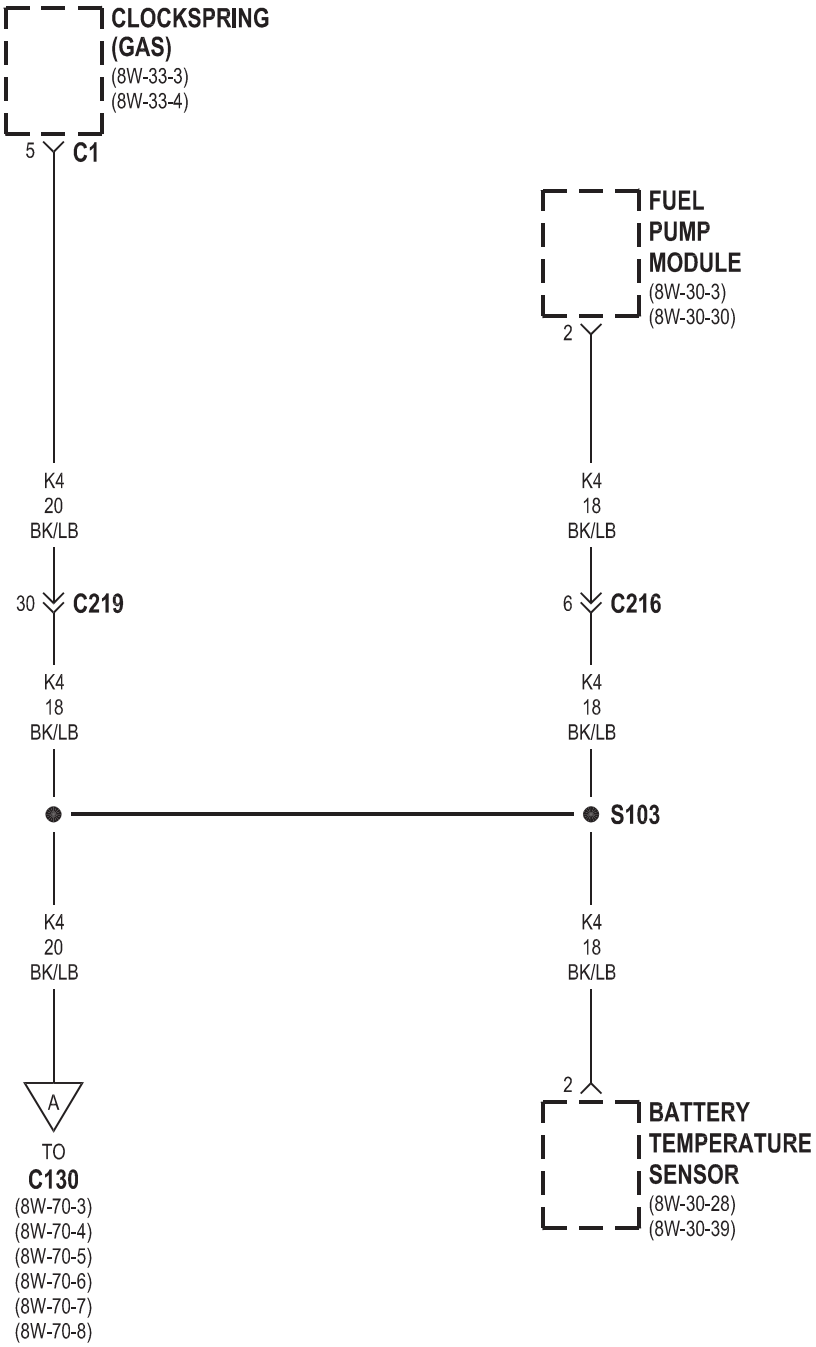


HEATED SEATS

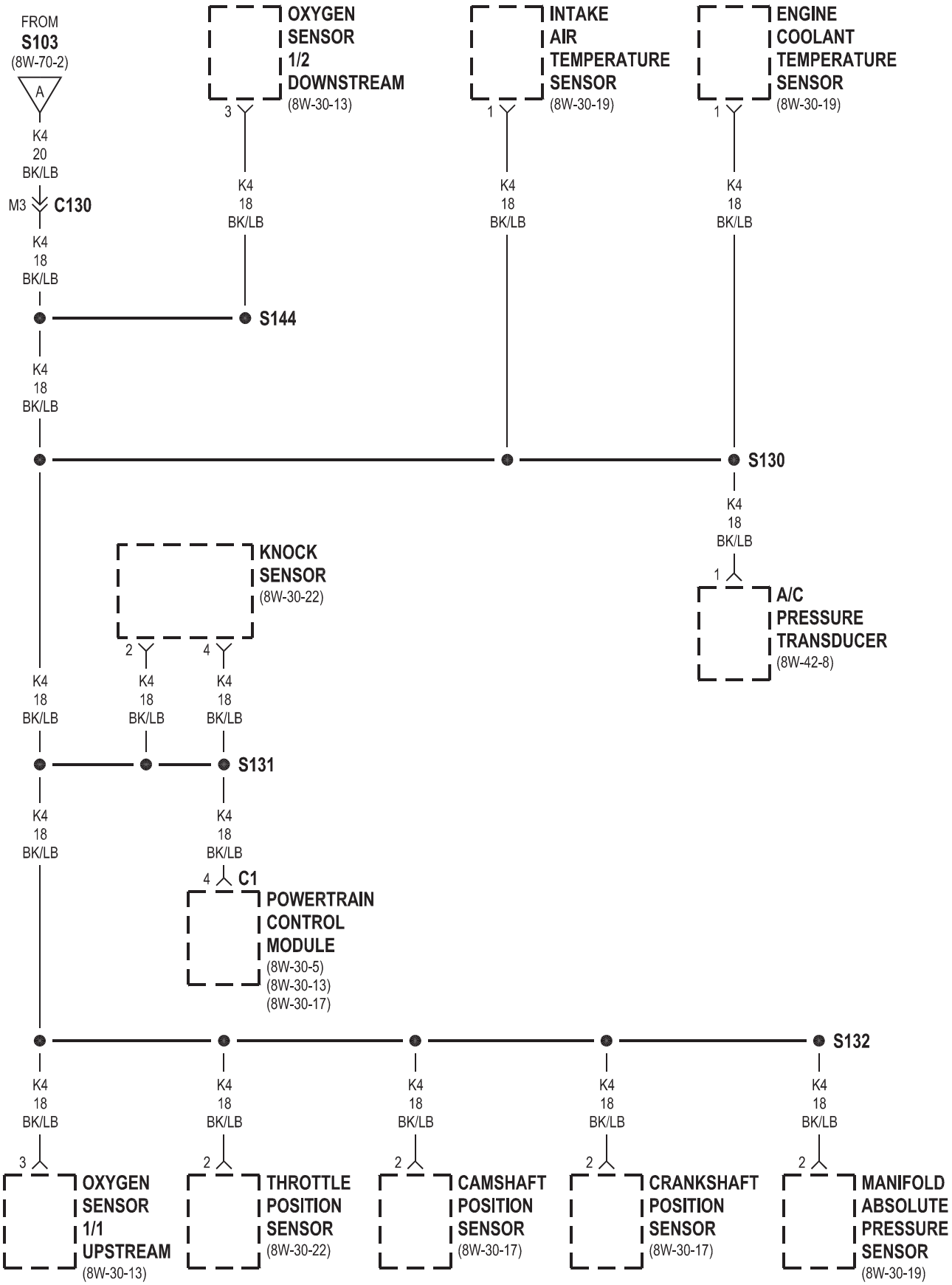


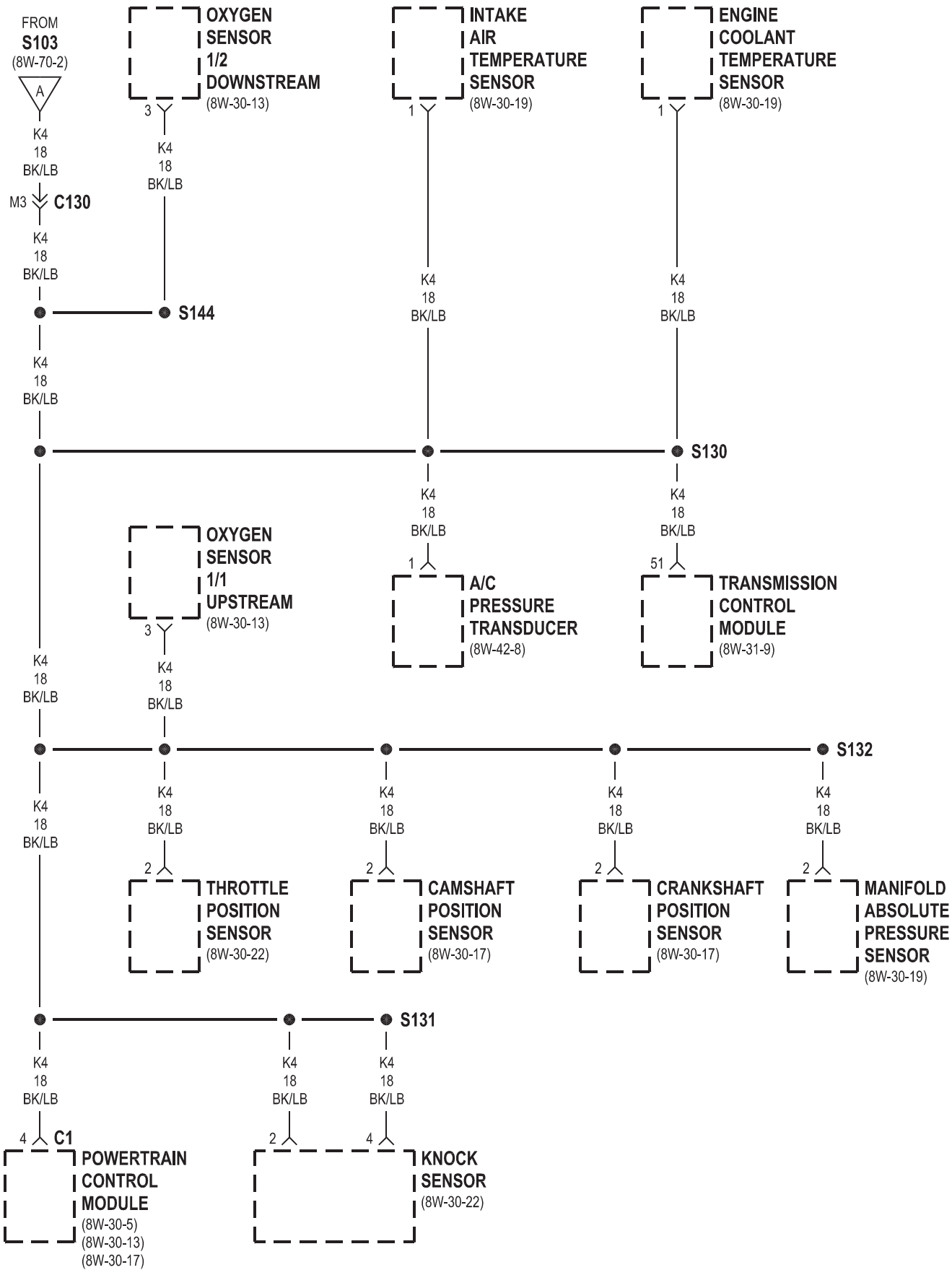
8W-70 SPLICE INFORMATION

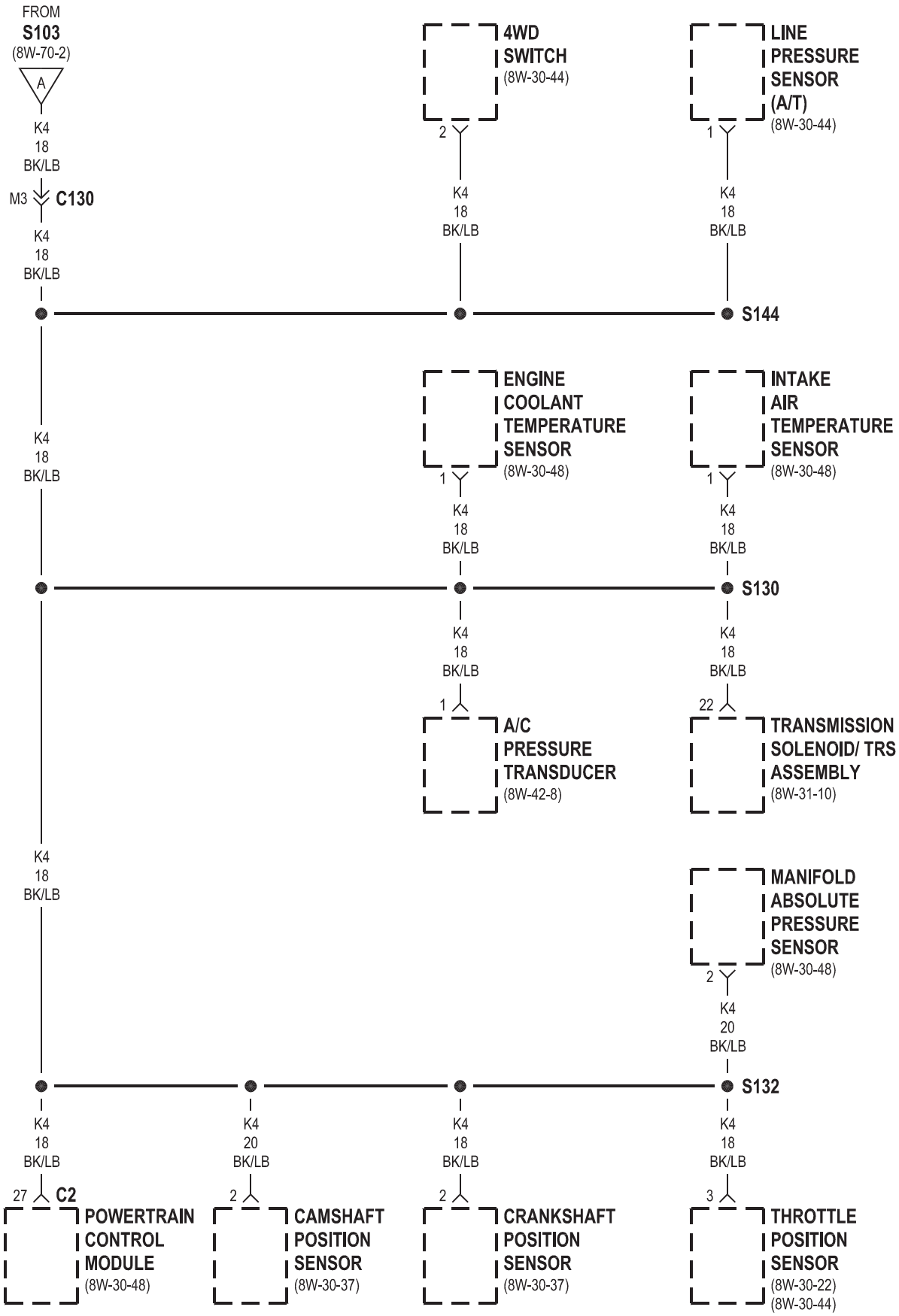
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S107	8W-10-38
S108	8W-33-6
S109	8W-10-38
S110	8W-10-33
S111	8W-20-2
S112	8W-10-23
S114	8W-10-30
S117	8W-34-2
S119	8W-10-54
S120	8W-10-52
S121	8W-33-6
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S139	8W-10-25
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S147	8W-10-24
S148	8W-10-22
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S164	8W-15-11
S165	8W-20-4
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S213	8W-10-33
S214	8W-33-6
S216	8W-63-5
S217	8W-47-4
S218	8W-47-4
S219	8W-47-7
S220	8W-47-7
S221	8W-10-33
S222	8W-10-46
S224	8W-42-2
S225	8W-10-46
S226	8W-42-5, 6
S228	8W-33-4, 18, 90
S230	8W-18-4
S231	8W-18-5, 6
S301	8W-10-42
S302	8W-44-2
S304	8W-10-45
S305	8W-18-5, 6
S306	8W-15-21
S307	8W-15-15
S308	8W-15-3
S309	8W-15-3, 4, 6
S310	8W-15-18
S311	8W-15-20
S312	8W-15-19
S313	8W-15-19
S314	8W-15-22
S315	8W-15-22
S316	8W-63-2, 30
S317	8W-63-3, 4, 21
S318	8W-10-30
S319	8W-15-21
S320	8W-40-2
S321	8W-40-7
S322	8W-61-4
S323	8W-61-4, 8
S324	8W-10-36
S325	8W-10-52
S326	8W-10-37
S327	8W-10-36
S328	8W-10-34
S329	8W-63-6
S330	8W-10-35
S331	8W-10-35
S332	8W-62-2
S333	8W-60-4
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S335	8W-10-46
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S337	8W-50-6, 16
S340	8W-15-3
S341	8W-15-3
S342	8W-10-37
S343	8W-10-37

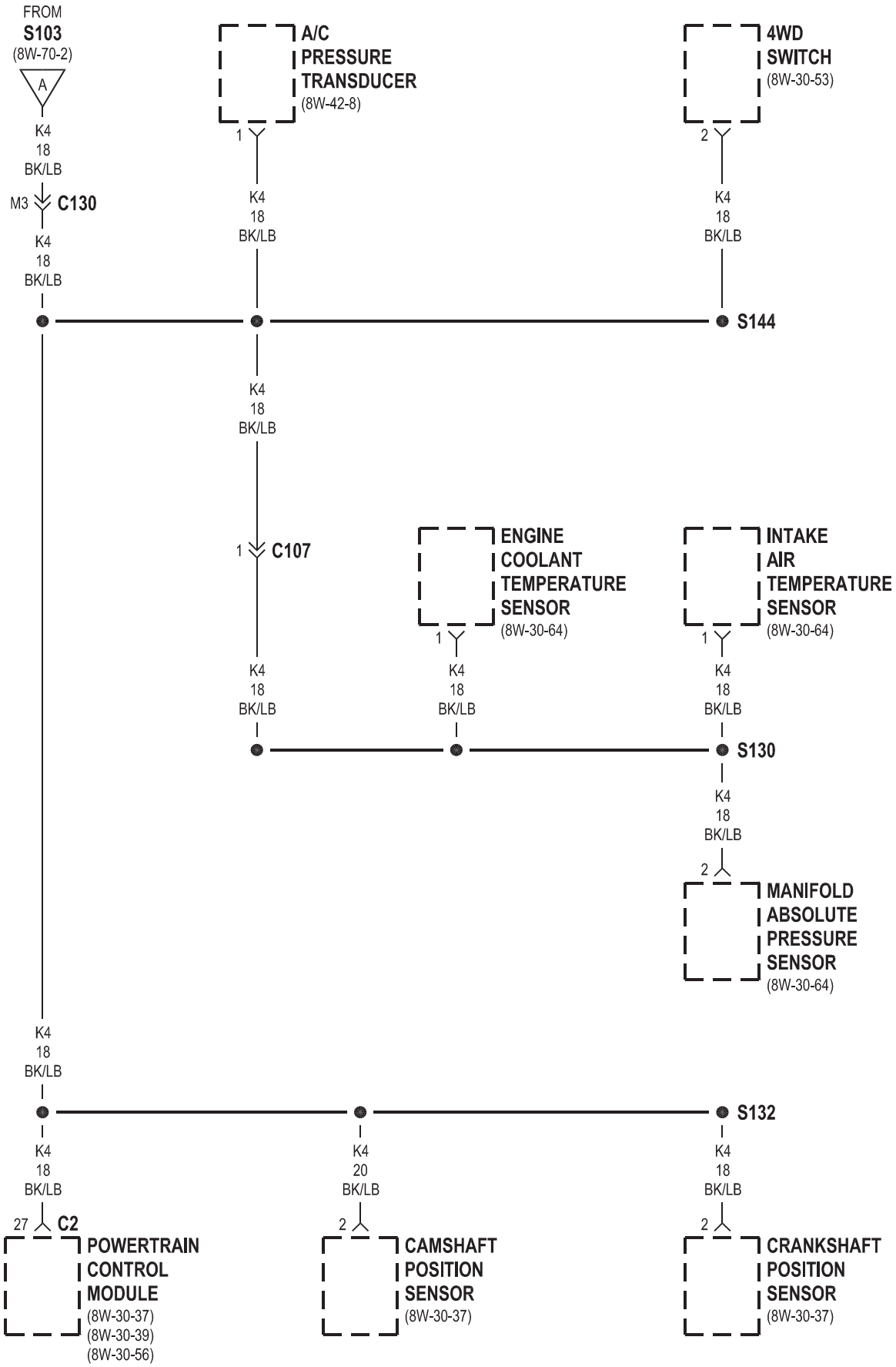

CLOCKSPRING
(GAS)
(8W-33-3)
(8W-33-4)
5
C1
FUEL
PUMP
MODULE
(8W-30-3)
(8W-30-30)
2
K4
20
BK/LB
K4
18
BK/LB
30
C219
6
C216
K4
18
BK/LB
K4
18
BK/LB
S103
K4
20
BK/LB
K4
18
BK/LB
A
2
TO
C130
(8W-70-3)
(8W-70-4)
(8W-70-5)
(8W-70-6)
(8W-70-7)
(8W-70-8)
BATTERY
TEMPERATURE
SENSOR
(8W-30-28)
(8W-30-39)

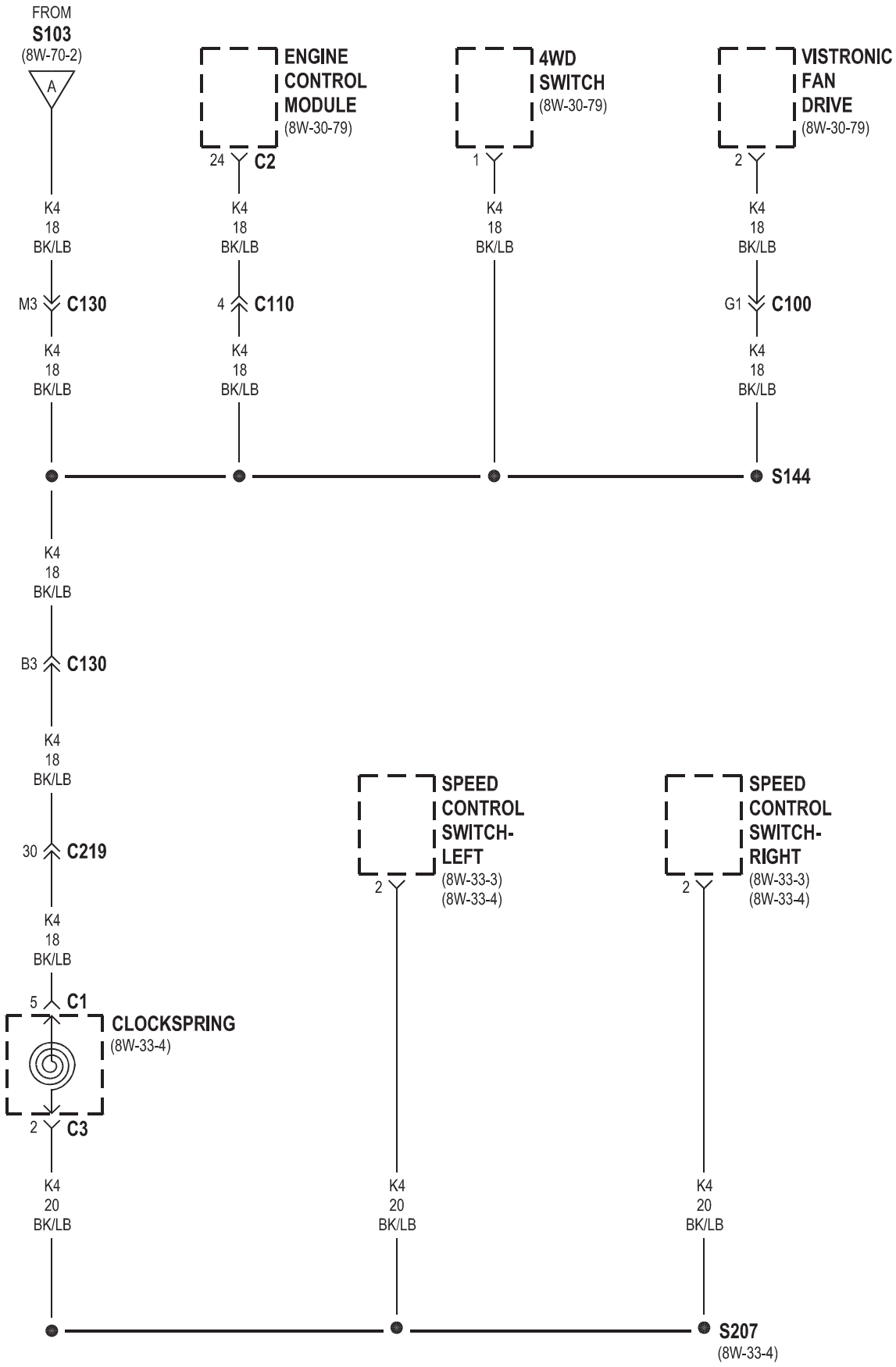
3.7L M/T


FROM
S103
(8W-70-2)
A
K4
20
BK/LB
M3
C130
K4
18
BK/LB
S144
OXYGEN
SENSOR
1/2
DOWNSTREAM
(8W-30-13)
3
INTAKE
AIR
TEMPERATURE
SENSOR
(8W-30-19)
1
ENGINE
COOLANT
TEMPERATURE
SENSOR
(8W-30-19)
S130
A/C
PRESSURE
TRANSDUCER
(8W-42-8)
KNOCK
SENSOR
(8W-30-22)
2
4
S131
C1
POWERTRAIN
CONTROL
MODULE
(8W-30-5)
(8W-30-13)
(8W-30-17)
S132
OXYGEN
SENSOR
1/1
UPSTREAM
(8W-30-13)
THROTTLE
POSITION
SENSOR
(8W-30-22)
CAMSHAFT
POSITION
SENSOR
(8W-30-17)
CRANKSHAFT
POSITION
SENSOR
(8W-30-17)
MANIFOLD
ABSOLUTE
PRESSURE
SENSOR
(8W-30-19)

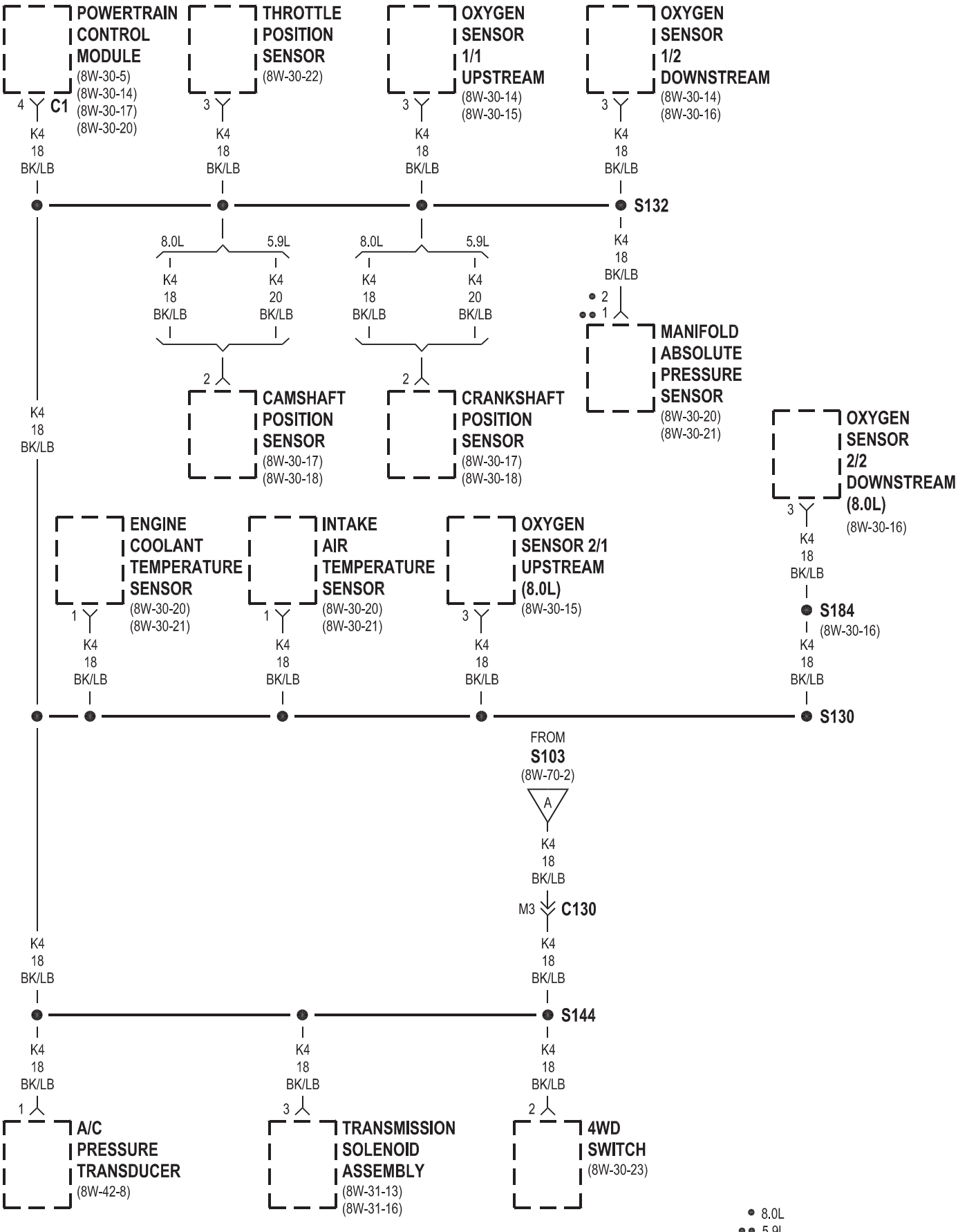

FROM
S103
(8W-70-2)
A
K4
18
BK/LB
M3
C130
OXYGEN
SENSOR
1/2
DOWNSTREAM
(8W-30-13)
3
INTAKE
AIR
TEMPERATURE
SENSOR
(8W-30-19)
1
ENGINE
COOLANT
TEMPERATURE
SENSOR
(8W-30-19)
S144
S130
OXYGEN
SENSOR
1/1
UPSTREAM
(8W-30-13)
A/C
PRESSURE
TRANSDUCER
(8W-42-8)
TRANSMISSION
CONTROL
MODULE
(8W-31-9)
51
S132
THROTTLE
POSITION
SENSOR
(8W-30-22)
CAMSHAFT
POSITION
SENSOR
(8W-30-17)
CRANKSHAFT
POSITION
SENSOR
(8W-30-17)
MANIFOLD
ABSOLUTE
PRESSURE
SENSOR
(8W-30-19)
2
S131
C1
POWERTRAIN
CONTROL
MODULE
(8W-30-5)
(8W-30-13)
(8W-30-17)
4
KNOCK
SENSOR
(8W-30-22)

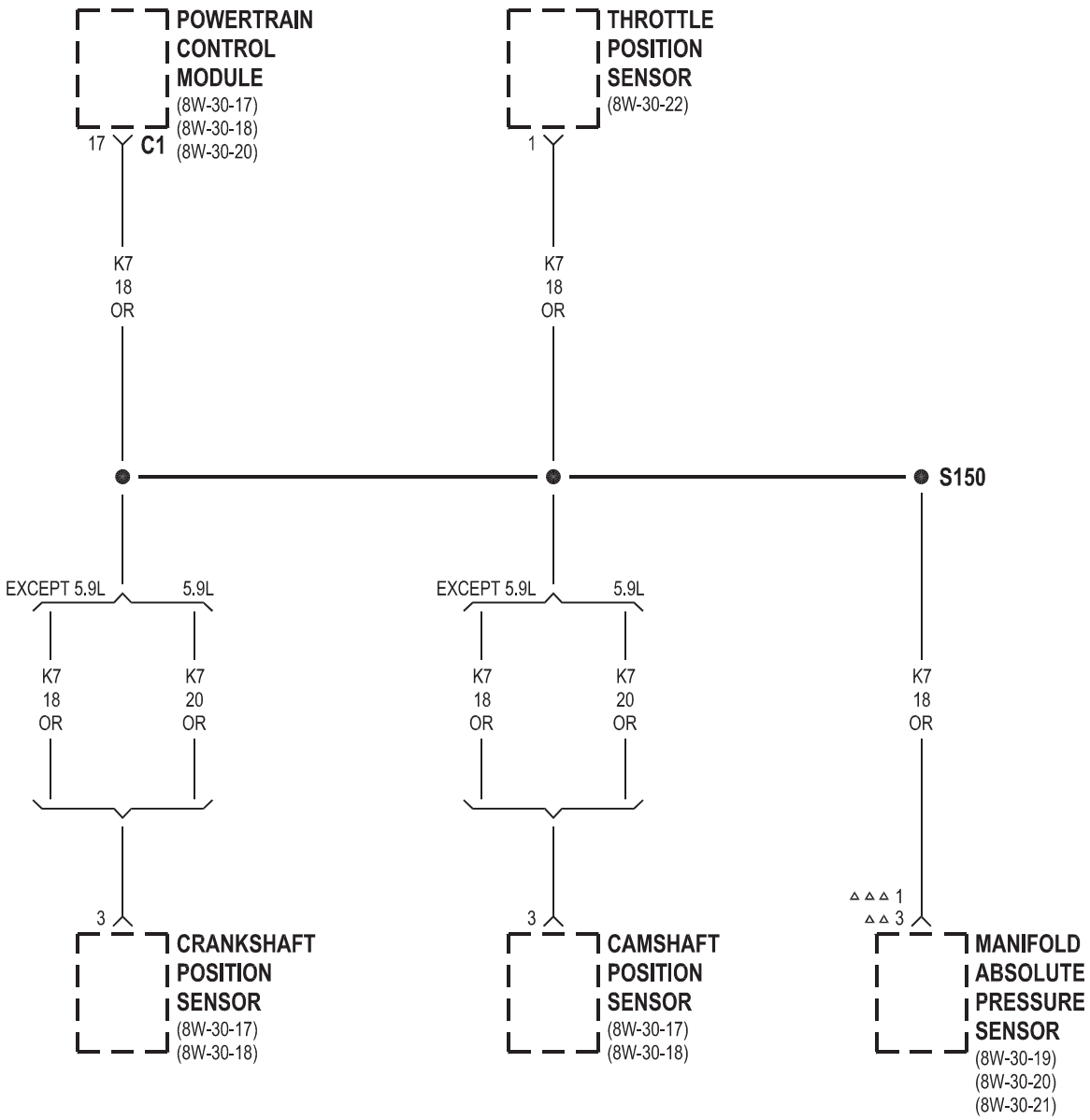

FROM
S103
(8W-70-2)
A
K4
18
BK/LB
M3
C130
K4
18
BK/LB
4WD
SWITCH
(8W-30-44)
2
K4
18
BK/LB
LINE
PRESSURE
SENSOR
(A/T)
(8W-30-44)
1
K4
18
BK/LB
S144
K4
18
BK/LB
ENGINE
COOLANT
TEMPERATURE
SENSOR
(8W-30-48)
1
K4
18
BK/LB
INTAKE
AIR
TEMPERATURE
SENSOR
(8W-30-48)
1
K4
18
BK/LB
S130
K4
18
BK/LB
1
A/C
PRESSURE
TRANSDUCER
(8W-42-8)
K4
18
BK/LB
22
TRANSMISSION
SOLENOID/ TRS
ASSEMBLY
(8W-31-10)
K4
18
BK/LB
MANIFOLD
ABSOLUTE
PRESSURE
SENSOR
(8W-30-48)
2
K4
20
BK/LB
S132
K4
18
BK/LB
K4
20
BK/LB
K4
18
BK/LB
K4
18
BK/LB
27
C2
POWERTRAIN
CONTROL
MODULE
(8W-30-48)
2
CAMSHAFT
POSITION
SENSOR
(8W-30-37)
2
CRANKSHAFT
POSITION
SENSOR
(8W-30-37)
3
THROTTLE
POSITION
SENSOR
(8W-30-22)
(8W-30-44)


FROM
S103
(8W-70-2)
A
K4
18
BK/LB
M3
C130
K4
18
BK/LB
A/C
PRESSURE
TRANSDUCER
(8W-42-8)
1
K4
18
BK/LB
4WD
SWITCH
(8W-30-53)
2
K4
18
BK/LB
S144
K4
18
BK/LB
1
C107
K4
18
BK/LB
ENGINE
COOLANT
TEMPERATURE
SENSOR
(8W-30-64)
1
K4
18
BK/LB
INTAKE
AIR
TEMPERATURE
SENSOR
(8W-30-64)
1
K4
18
BK/LB
S130
K4
18
BK/LB
2
MANIFOLD
ABSOLUTE
PRESSURE
SENSOR
(8W-30-64)
K4
18
BK/LB
S132
K4
18
BK/LB
27
C2
POWERTRAIN
CONTROL
MODULE
(8W-30-37)
(8W-30-39)
(8W-30-56)
K4
20
BK/LB
2
CAMSHAFT
POSITION
SENSOR
(8W-30-37)
K4
18
BK/LB
2
CRANKSHAFT
POSITION
SENSOR
(8W-30-37)

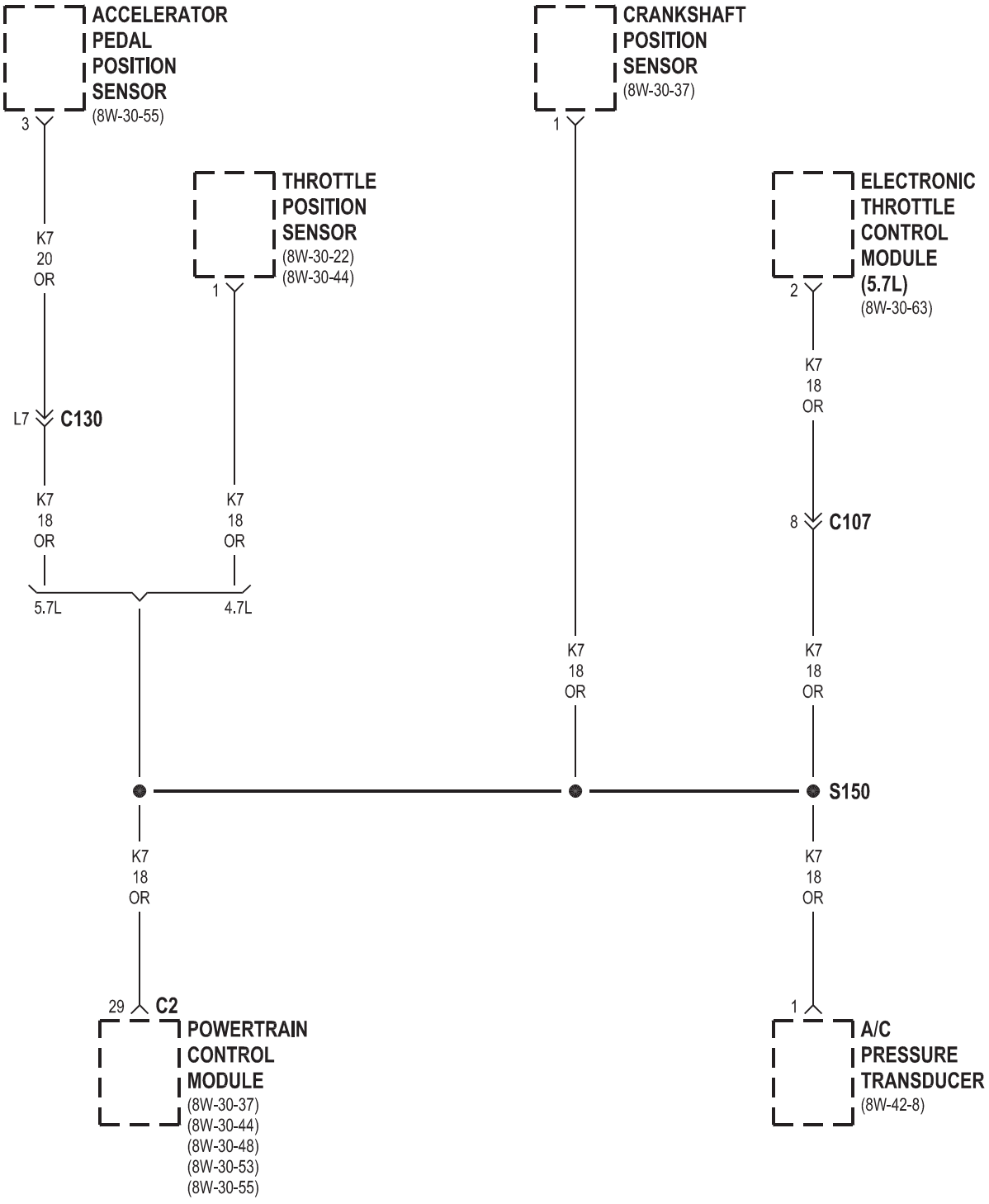

FROM
S103
(8W-70-2)
A
ENGINE CONTROL MODULE
(8W-30-79)
24
C2
4WD SWITCH
(8W-30-79)
1
VISTRONIC FAN DRIVE
(8W-30-79)
2
K4
18
BK/LB
M3
C130
4
C110
G1
C100
S144
B3
C219
5
C1
CLOCKSPRING
(8W-33-4)
2
C3
SPEED CONTROL SWITCH-LEFT
(8W-33-3)
(8W-33-4)
SPEED CONTROL SWITCH-RIGHT
(8W-33-3)
(8W-33-4)
K4
20
BK/LB
S207
(8W-33-4)

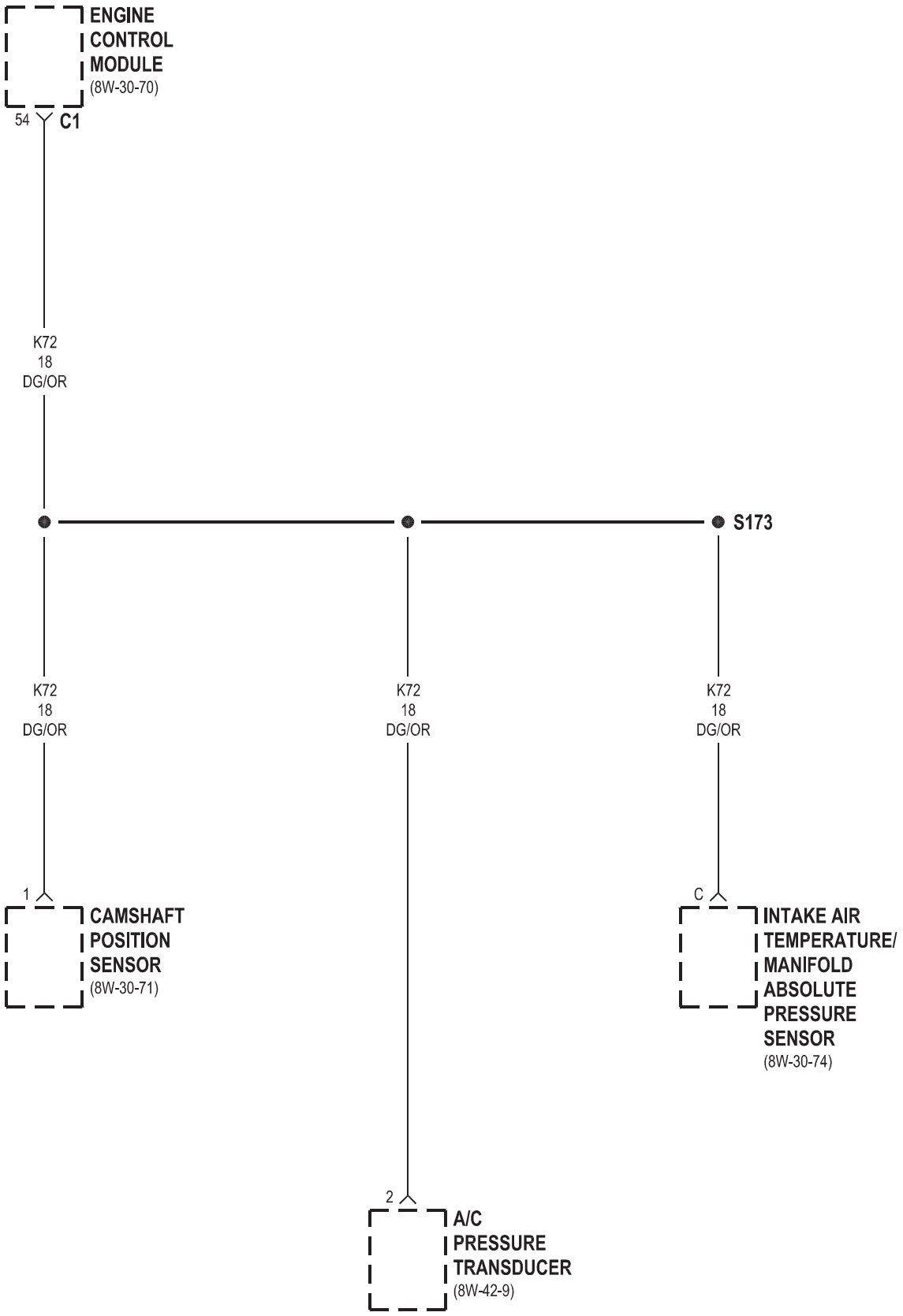
5.9L/8.0L

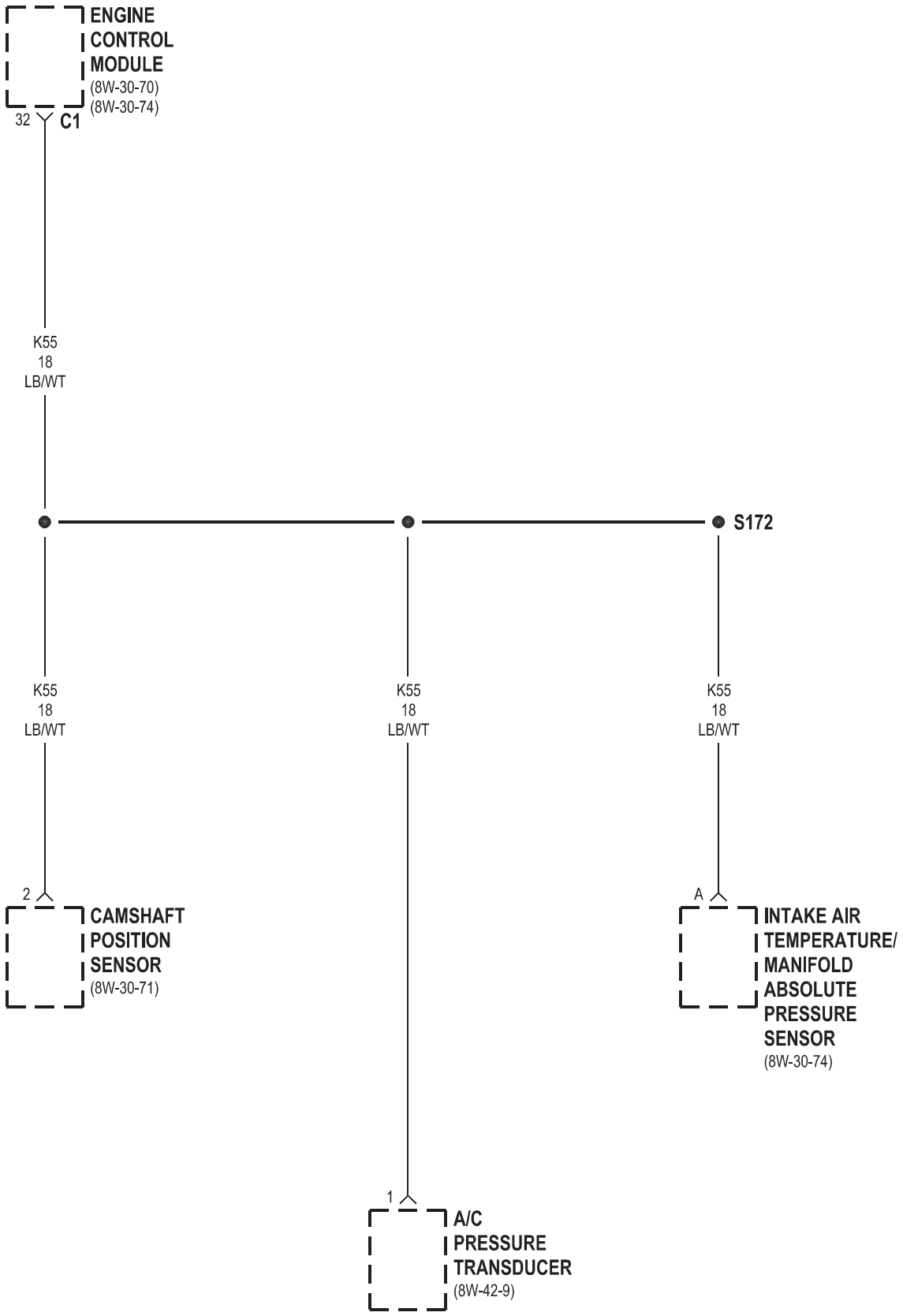

POWERTRAIN CONTROL MODULE
(8W-30-5)
(8W-30-14)
(8W-30-17)
(8W-30-20)
C1
THROTTLE POSITION SENSOR
(8W-30-22)
OXYGEN SENSOR 1/1 UPSTREAM
(8W-30-14)
(8W-30-15)
OXYGEN SENSOR 1/2 DOWNSTREAM
(8W-30-14)
(8W-30-16)
S132
8.0L
5.9L
CAMSHAFT POSITION SENSOR
(8W-30-17)
(8W-30-18)
CRANKSHAFT POSITION SENSOR
(8W-30-17)
(8W-30-18)
MANIFOLD ABSOLUTE PRESSURE SENSOR
(8W-30-20)
(8W-30-21)
OXYGEN SENSOR 2/2 DOWNSTREAM (8.0L)
(8W-30-16)
S184
(8W-30-16)
ENGINE COOLANT TEMPERATURE SENSOR
(8W-30-20)
(8W-30-21)
INTAKE AIR TEMPERATURE SENSOR
(8W-30-20)
(8W-30-21)
OXYGEN SENSOR 2/1 UPSTREAM (8.0L)
(8W-30-15)
S130
FROM S103 (8W-70-2)
A
M3
C130
S144
A/C PRESSURE TRANSDUCER
(8W-42-8)
TRANSMISSION SOLENOID ASSEMBLY
(8W-31-13)
(8W-31-16)
4WD SWITCH
(8W-30-23)
K4 18 BK/LB
K4 20 BK/LB
8.0L
5.9L



△△△ 8.0L
△△ EXCEPT 8.0L


ACCELERATOR PEDAL POSITION SENSOR
(8W-30-55)
3
K7
20
OR
L7
C130
K7
18
OR
5.7L
THROTTLE POSITION SENSOR
(8W-30-22)
(8W-30-44)
1
K7
18
OR
4.7L
CRANKSHAFT POSITION SENSOR
(8W-30-37)
1
K7
18
OR
ELECTRONIC THROTTLE CONTROL MODULE (5.7L)
(8W-30-63)
2
K7
18
OR
8
C107
K7
18
OR
S150
K7
18
OR
29
C2
POWERTRAIN CONTROL MODULE
(8W-30-37)
(8W-30-44)
(8W-30-48)
(8W-30-53)
(8W-30-55)
K7
18
OR
1
A/C PRESSURE TRANSDUCER
(8W-42-8)


ENGINE CONTROL MODULE
(8W-30-70)
54
C1
K72
18
DG/OR
S173
K72
18
DG/OR
K72
18
DG/OR
K72
18
DG/OR
1
CAMSHAFT POSITION SENSOR
(8W-30-71)
C
INTAKE AIR TEMPERATURE/ MANIFOLD ABSOLUTE PRESSURE SENSOR
(8W-30-74)
2
A/C PRESSURE TRANSDUCER
(8W-42-9)


ENGINE CONTROL MODULE
(8W-30-70)
(8W-30-74)
32
C1
K55
18
LB/WT
S172
K55
18
LB/WT
K55
18
LB/WT
K55
18
LB/WT
2
CAMSHAFT POSITION SENSOR
(8W-30-71)
A
INTAKE AIR TEMPERATURE/ MANIFOLD ABSOLUTE PRESSURE SENSOR
(8W-30-74)
1
A/C PRESSURE TRANSDUCER
(8W-42-9)

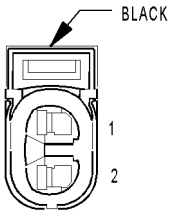
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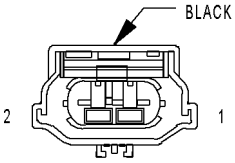
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Wheel Speed Sensor-Right Front (ABS)	8W-80-110
Wiper Motor-Front	8W-80-110



4WD SWITCH (MANUAL TRANSFER CASE)

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

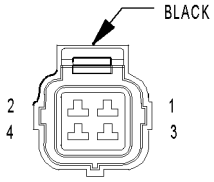
CAV	CIRCUIT	FUNCTION
1	K77 18BR/WT	4WD SWITCH SENSE
2	K4 18BK/LB	SENSOR GROUND



A/C COMPRESSOR CLUTCH

A/C COMPRESSOR CLUTCH - BLACK 2 WAY

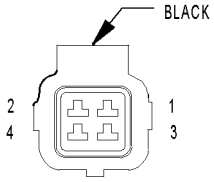
CAV	CIRCUIT	FUNCTION
1	C3 20DB/BK	A/C CLUTCH RELAY OUTPUT
2	Z359 18BK/BR	GROUND



A/C PRESSURE TRANSDUCER

A/C PRESSURE TRANSDUCER - BLACK 4 WAY

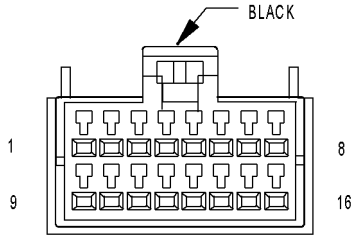
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K6 18VT/WT (EXCEPT NGC)	5 VOLT SUPPLY
2	K7 18OR (NGC)	5-VOLT SUPPLY
3	C18 18DB	A/C PRESSURE SIGNAL
4	-	-



A/C PRESSURE TRANSDUCER (DIESEL)

A/C PRESSURE TRANSDUCER (DIESEL) - 4 WAY

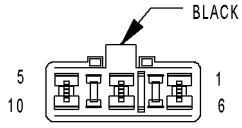
CAV	CIRCUIT	FUNCTION
1	K55 18LB/WT	MASS AIR FLOW SENSOR SIGNAL
2	K72 18DG/OR	5 VOLTS SUPPLY
3	C18 18DB	A/C PRESSURE SIGNAL
4	-	-



A/C-
HEATER
CONTROL
C1

A/C-HEATER CONTROL C1 - BLACK 16 WAY

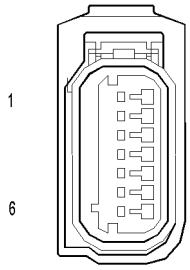
CAV	CIRCUIT	FUNCTION
1	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN)
2	Z120 20WT/BK	GROUND
3	C57 20DB/GY	SENSOR GROUND
4	C33 20DB/RD	MODE DOOR 2 DRIVER
5	-	-
6	C12 20LG/BK	EVAPORATOR TEMPERATURE SENSOR SIGNAL
7	-	-
8	Y165 20OR/YL	PANEL LAMPS DRIVER
9	C62 20DB/PK	BLEND DOOR DRIVER
10	C35 20DG/YL	MODE DOOR 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

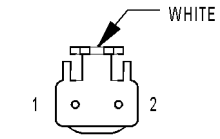
CAV	CIRCUIT	FUNCTION
1	-	-
2	C4 16TN	BLOWER MOTOR LOW DRIVER
3	C6 14LB	BLOWER MOTOR M2 DRIVER
4	-	-
5	Z37 10BK/DB	GROUND
6	-	-
7	C5 16LG	BLOWER MOTOR M1 DRIVER
8	-	-
9	-	-
10	C7 10BK/TN	BLOWER MOTOR HIGH DRIVER



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

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

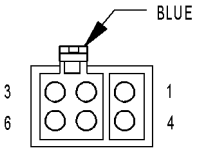
CAV	CIRCUIT	FUNCTION
1	K81 20DB/DG	APPS NO. 2 SIGNAL
2	K6 20VT/WT	5-VOLT SUPPLY
3	K7 20OR	5-VOLT SUPPLY
4	K981 20BR/DG	APPS NO. 2 RETURN
5	K255 20WT/DG	APPS NO. 1 SIGNAL
6	K223 20PK/DB	APPS NO. 1 RETURN



ADJUSTABLE PEDAL MOTOR

ADJUSTABLE PEDAL MOTOR - WHITE 2 WAY

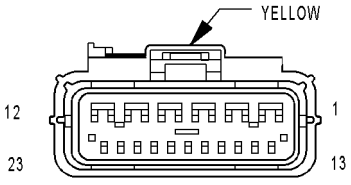
CAV	CIRCUIT	FUNCTION
1	Y151 18LG/BR	ADJUSTABLE PEDAL MOTOR (DOWN)
2	Y152 18LG/OR	ADJUSTABLE PEDAL MOTOR (UP)



ADJUSTABLE PEDAL SWITCH

ADJUSTABLE PEDAL SWITCH - BLUE 6 WAY

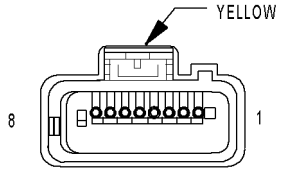
CAV	CIRCUIT	FUNCTION
1	Y151 18LG/BR	ADJUSTABLE PEDAL MOTOR (DOWN)
2	Y153 18DB/RD	ADJUSTABLE PEDAL RELAY OUTPUT
3	-	-
4	Z154 18BK/BR	GROUND
5	F15 20DB	FUSED IGNITION SWITCH OUTPUT (RUN)
6	Y152 18LG/OR	ADJUSTABLE PEDAL MOTOR (UP)



AIRBAG CONTROL MODULE

AIRBAG CONTROL MODULE - YELLOW 23 WAY

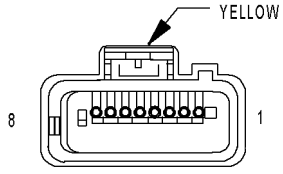
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	Z6 18BK/PK	GROUND
5	R45 18DG/LB	DRIVER SQUIB 1 LINE 2
6	R43 18BK/LB	DRIVER SQUIB 1 LINE 1
7	R42 18BK/YL	PASSENGER SQUIB 1 LINE 1
8	R44 18DG/YL	PASSENGER SQUIB 1 LINE 2
9	R53 18LG/YL	RIGHT SEAT BELT TENSIONER LINE 2
10	R55 18LG/DG	RIGHT SEAT BELT TENSIONER LINE 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

AIRBAG CONTROL MODULE-LEFT SIDE IMPACT - YELLOW 8 WAY

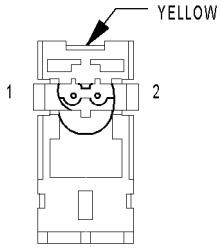
CAV	CIRCUIT	FUNCTION
1	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	Z11 18BK/WT	GROUND
3	R77 18LB/BR	LEFT CURTAIN SQUIB 1 LINE 2
4	R75 18LB/OR	LEFT CURTAIN SQUIB 1 LINE 1
5	Z11 18BK/WT	GROUND
6	-	-
7	-	-
8	D25 20DB/VT	PCI BUS



AIRBAG CONTROL MODULE-RIGHT SIDE IMPACT

AIRBAG CONTROL MODULE-RIGHT SIDE IMPACT - YELLOW 8 WAY

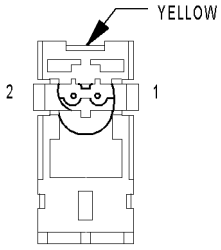
CAV	CIRCUIT	FUNCTION
1	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	-	-
3	R76 18LB/WT	RIGHT CURTAIN SQUIB 1 LINE 2
4	R74 18LB/YL	RIGHT CURTAIN SQUIB 1 LINE 1
5	Z29 18BK/PK	GROUND
6	-	-
7	-	-
8	D25 20DB/VT	PCI BUS



AIRBAG-DRIVER SQUIB 1

AIRBAG-DRIVER SQUIB 1 - YELLOW 2 WAY

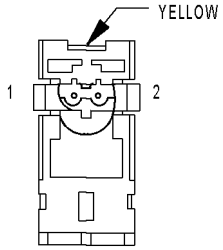
CAV	CIRCUIT	FUNCTION
1	R45 BK	DRIVER SQUIB 1 LINE 2
2	R43 BK	DRIVER SQUIB 1 LINE 1



AIRBAG-LEFT CURTAIN SQUIB

AIRBAG-LEFT CURTAIN SQUIB - YELLOW 2 WAY

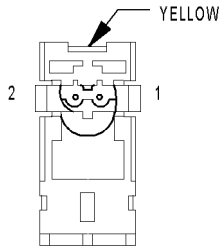
CAV	CIRCUIT	FUNCTION
1	R75 18LB/OR	LEFT CURTAIN SQUIB 1 LINE 1
2	R77 18LB/BR	LEFT CURTAIN SQUIB 1 LINE 2



AIRBAG -
PASSENGER SQUIB 1

AIRBAG-PASSENGER SQUIB 1 - YELLOW 2 WAY

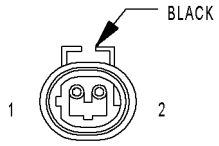
CAV	CIRCUIT	FUNCTION
1	R42 18BK/YL	PASSENGER SQUIB 1 LINE 1
2	R44 18DG/YL	PASSENGER SQUIB 1 LINE 2



AIRBAG-RIGHT
CURTAIN SQUIB

AIRBAG-RIGHT CURTAIN SQUIB - YELLOW 2 WAY

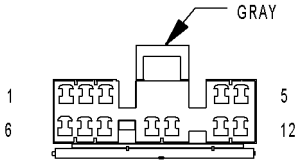
CAV	CIRCUIT	FUNCTION
1	R74 18LB/YL	RIGHT CURTAIN SQUIB 1LINE 1
2	R76 18LB/WT	RIGHT CURTAIN SQUIB 1 LINE 2



AMBIENT
TEMPERATURE
SENSOR

AMBIENT TEMPERATURE SENSOR - 2 WAY

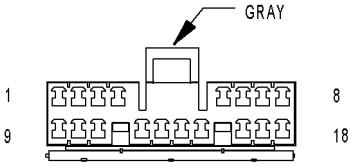
CAV	CIRCUIT	FUNCTION
1	G31 20VT/LG (NGC)	AAT SIGNAL
1	G31 20VT/LG	AMBIENT TEMPERATURE SENSOR SIGNAL
2	Y137 20VT/LB	SENSOR GROUND
2	K4 20VT/LB (NGC)	SENSOR GROUND



AMPLIFIER
AUDIO C1

AMPLIFIER AUDIO C1 - GRAY 12 WAY

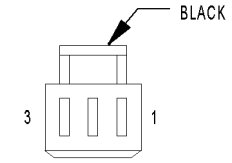
CAV	CIRCUIT	FUNCTION
1	X53 20DG	LEFT FRONT SPEAKER (+)
2	X55 20BR/RD	LEFT FRONT SPEAKER (-)
3	X57 20BR/LB	LEFT REAR SPEAKER (-)
4	Z115 18DB/BK	GROUND
5	X60 20DG/RD	RADIO 12 VOLT OUTPUT
6	X56 20DB/RD	RIGHT FRONT SPEAKER (-)
7	X54 20VT	RIGHT FRONT SPEAKER (+)
8	X51 20BR/YL	LEFT REAR SPEAKER (+)
9	X58 20DB/OR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

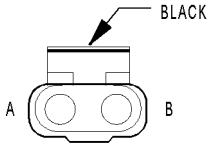
CAV	CIRCUIT	FUNCTION
1	F75 18VT	FUSED B(+)
2	-	-
3	-	-
4	X91 18WT/BK	LEFT REAR SPEAKER (-)
5	X82 18LB/VT	RIGHT FRONT DOOR SPEAKER (+)
6	X87 18LG/RD	LEFT FRONT DOOR SPEAKER (+)
7	X84 18OR/BK	RIGHT INSTRUMENT PANEL SPEAKER (+)
8	X83 18YL/RD	LEFT INSTRUMENT PANEL SPEAKER (-)
9	F75 18VT	FUSED B(+)
10	-	-
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

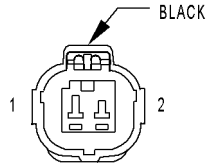
CAV	CIRCUIT	FUNCTION
1	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
2	Z104 20BK/OR	GROUND
3	L1 20VT/BK	BACK-UP LAMP FEED



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

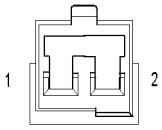
CAV	CIRCUIT	FUNCTION
1	L1 18VT/BK	BACK-UP LAMP FEED
2	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)



BATTERY TEMPERATURE SENSOR

BATTERY TEMPERATURE SENSOR - BLACK 2 WAY

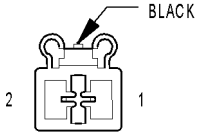
CAV	CIRCUIT	FUNCTION
1	K118 18PK/YL	BATT TEMP SIGNAL
2	K4 18BK/LB	SENSOR GROUND



BLEND DOOR ACTUATOR (SINGLE-ZONE)

BLEND DOOR ACTUATOR (SINGLE-ZONE) - 2 WAY

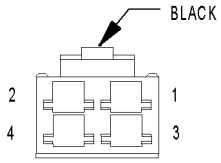
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C62 20DB/PK	BLEND DOOR DRIVER



BLOWER MOTOR

BLOWER MOTOR - 2 WAY

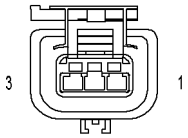
CAV	CIRCUIT	FUNCTION
1	C7 10BK/TN	BLOWER MOTOR HIGH DRIVER
2	C1 10DG	BLOWER MOTOR FEED



BLOWER MOTOR RESISTOR BLOCK

BLOWER MOTOR RESISTOR BLOCK - BLACK 4 WAY

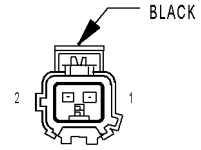
CAV	CIRCUIT	FUNCTION
1	C5 16LG	BLOWER MOTOR M1 DRIVER
2	C7 12BK/TN	BLOWER MOTOR HIGH DRIVER
3	C4 16TN	BLOWER MOTOR LOW DRIVER
4	C6 14LB	BLOWER MOTOR M2 DRIVER



BOOST PRESSURE SENSOR (DIESEL)

BOOST PRESSURE SENSOR (DIESEL) - 3 WAY

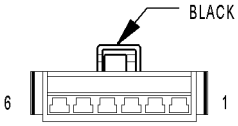
CAV	CIRCUIT	FUNCTION
1	K72 18DG/OR	5 VOLTS SUPPLY
2	K9 18LB	FUEL PRESSURE SENSOR 5 VOLT SUPPLY
3	K55 18LB/WT	MASS AIR FLOW SENSOR SIGNAL



BRAKE FLUID LEVEL SWITCH

BRAKE FLUID LEVEL SWITCH - BLACK 2 WAY

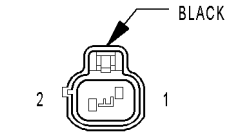
CAV	CIRCUIT	FUNCTION
1	G9 20GY/BK	BRAKE FLUID LEVEL SWITCH SENSE
2	Z231 20BK/DG	GROUND



BRAKE LAMP SWITCH

BRAKE LAMP SWITCH - BLACK 6 WAY

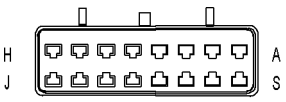
CAV	CIRCUIT	FUNCTION
1	A108 18TN/RD	FUSED B(+)
2	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
3	V30 20DB/RD	SPEED CONTROL BRAKE SWITCH OUTPUT
3	V30 20DB/RD (NGC)	FUSED IGNITION SWITCH (RUN-START)
4	V32 20YL/RD	SPEED CONTROL SUPPLY
4	V32 20YL/RD (5.7L)	BRAKE SWITCH NO. 2 SIGNAL
5	Z241 20BK/VT	GROUND
6	K29 20WT/PK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

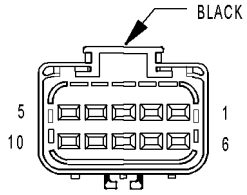
C100 (DIESEL) - (DASH TO ENGINE)

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)

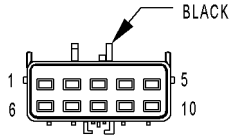
CAV	CIRCUIT
1	K152 18WT
2	B6 20WT/DB
3	B7 20WT
4	Z11 18BK/WT
5	-
6	Y1 18LG
7	K4 18BK/LB
8	Y169 18WT/TN
9	Y168 18WT/LB
10	Y3 18WT
11	L60 18LG/TN
12	L7 18BK/YL
13	F15 20DB
14	Y5 18OR
15	-
16	K154 18GY



C100
(GAS)

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)

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	-

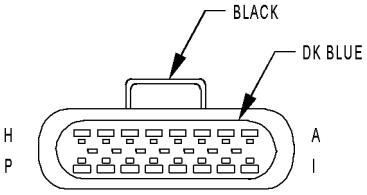
PICTURE

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)

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

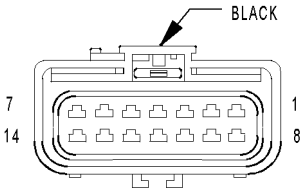
PICTURE

NOT

AVAILABLE

C107 (5.7L) - BLACK

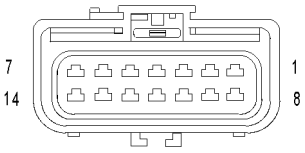
CAV	CIRCUIT
1	K4 18BK/LB
2	K1 18DG/RD
3	K21 18BK/RD
4	K101 18WT
5	K6 18VT/WT
6	K888 18BR/PK
7	A142 16DG/OR
8	K7 18OR
9	K2 18TN/BK
10	K122 18DB/GY
11	K22 18OR/DB
12	-
13	F855 18OR/PK
14	A142 16DG/OR



C107
(5.7L)

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

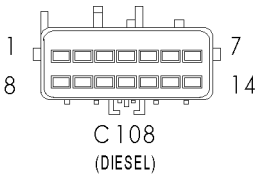
CAV	CIRCUIT
1	K4 18BK/LB
2	K1 18DG/RD
3	K21 18BK/RD
4	K101 18WT
5	K6 18VT/WT
6	K888 18BR/PK
7	A142 16DG/OR
8	K7 18OR
9	K2 18TN/BK
10	K122 18DB/GY
11	K22 18OR/DB
12	-
13	F855 18OR/PK
14	A142 16DG/OR



C108
(DIESEL)

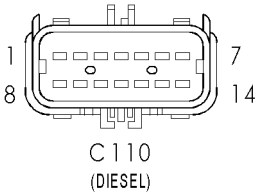
C108 (DIESEL)

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	-



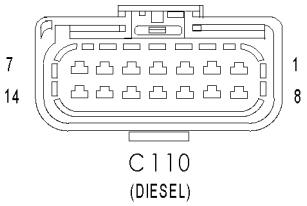
C108 (DIESEL) - (ENGINE TO TRANSMISSION)

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	-



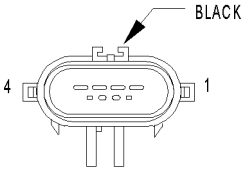
C110 (DIESEL)

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)

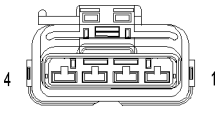
CAV	CIRCUIT
1	C3 18DB/BK
2	K29 18WT/PK
3	K24 18WT/DG
4	K4 18BK/LB
5	V37 18RD/LG
6	Y1 18LG
7	Y5 18OR
8	Y3 18WT
9	D20 18LG
10	D21 18PK
11	Y135 18LG/BK
12	-
13	-
14	-



C112
(DIESEL)

C112 (DIESEL)

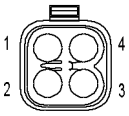
CAV	CIRCUIT
1	C3 18DB/BK
2	A93 14RD/BK
3	Y523 18VT/WT
4	T503 18GY/BR



C112
(DIESEL)

C112 (DIESEL)

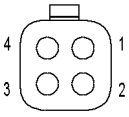
CAV	CIRCUIT
1	C3 18DB/BK
2	A93 14RD/BK
3	K69 18BR/LB
4	K68 18BR/LG



C115
(DIESEL)

C115 (DIESEL)

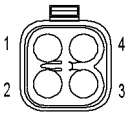
CAV	CIRCUIT
1	K91 14TN/RD
2	K12 14YL/WT
3	K91 14TN/RD
4	K11 14WT/DB



C115
(DIESEL)

C115 (DIESEL) - (INJECTOR SIDE)

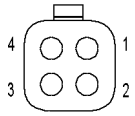
CAV	CIRCUIT
1	K91 14TN/RD
2	K12 14YL/WT
3	K91 14TN/RD
4	K11 14WT/DB



C116
(DIESEL)

C116 (DIESEL)

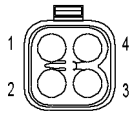
CAV	CIRCUIT
1	K92 14TN/PK
2	K14 14RD/WT
3	K91 14TN/RD
4	K13 14TN



C116
(DIESEL)

C116 (DIESEL) - (INJECTOR SIDE)

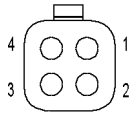
CAV	CIRCUIT
1	K92 14TN/PK
2	K14 14RD/WT
3	K91 14TN/RD
4	K13 14TN



C117
(DIESEL)

C117 (DIESEL)

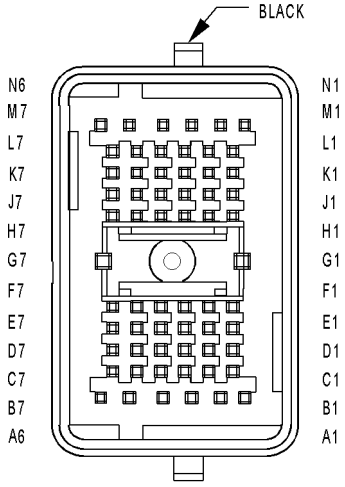
CAV	CIRCUIT
1	K92 14TN/PK
2	K58 14BR/DB
3	K92 14TN/PK
4	K38 14GY



C117
(DIESEL)

C117 (DIESEL) - (INJECTOR SIDE)

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



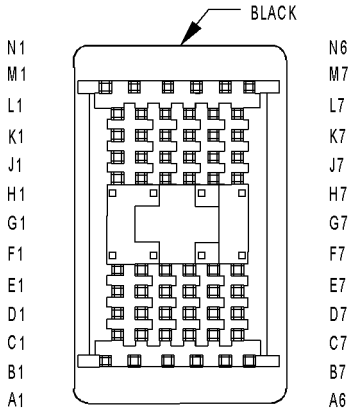
C130

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/5.9L8.0L)
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)



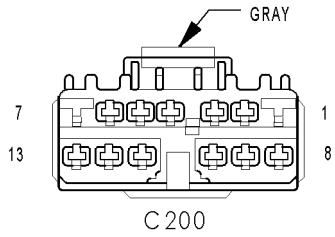
C130

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	-

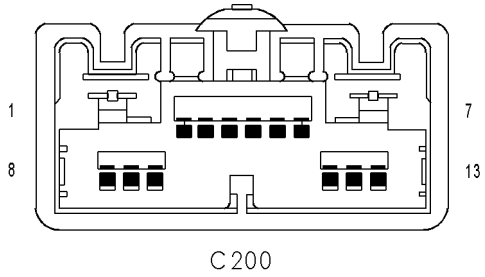
C130 - BLACK (ENGINE TO DASH)

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/8.0LETC/DIESEL)
N5	Y125 16DG/WT (5.7L/5.9L/8.0LETC/DIESEL)
N6	A51 16RD/WT (5.7LA/T)



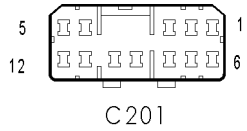
C200 - GRAY (I/P TO HVAC)

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



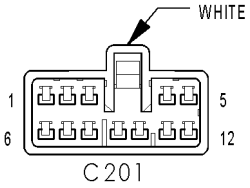
C200 - (HVAC TO I/P)

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



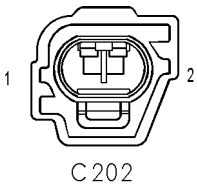
C201 - (I/P TO HEADLINER)

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



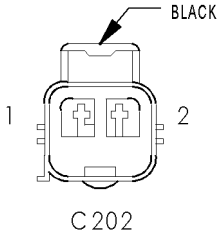
C201 - WHITE (HEADLINER TO I/P)

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

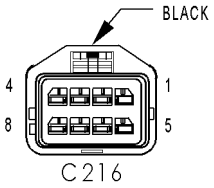
C206 - (CLEARANCE LAMP TO I/P)

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

PICTURE NOT AVAILABLE

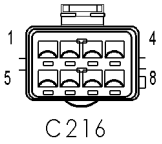
C206 (SLT+)

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



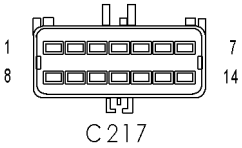
C216 - BLACK (DASH TO CHASSIS)

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



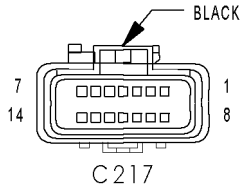
C216 - (CHASSIS TO DASH)

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



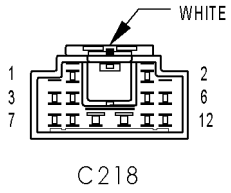
C217 - (CHASSIS TO DASH)

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



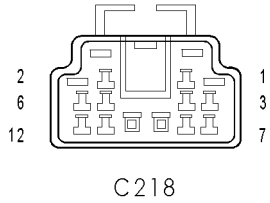
C217 - BLACK (DASH TO CHASSIS)

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



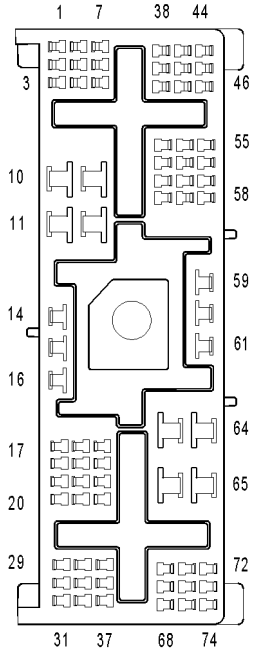
C218 - WHITE (DASH TO BODY)

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	-



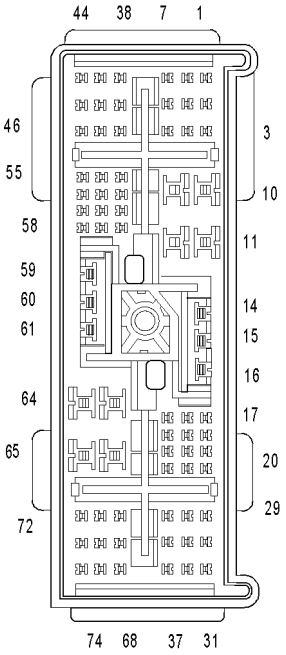
C219

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)



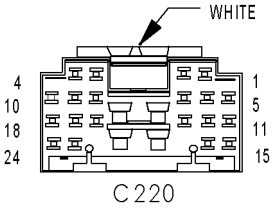
C219

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

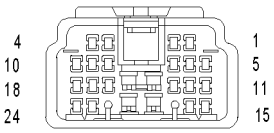
C219 - GRAY (I/P TO DASH)

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)

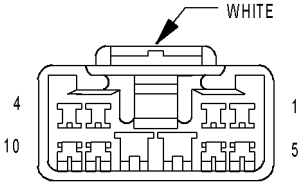
CAV	CIRCUIT
1	Y105 20BR/RD
2	X91 18WT/BK
3	F32 20RD/YL
4	X87 18LG/RD
5	G75 20TN
6	G77 20VT/OR
7	X85 18LG/DG
8	G10 20LG/RD
9	G73 20LG/OR
10	X93 18WT/RD
11	Y201 18TN/OR
12	D25 20DB/VT
13	-
14	-
15	-
16	BK/WT
17	Y157 18TN/PK
18	P97 20WT/DG
19	-
20	P55 18DB
21	-
22	F21 12TN
23	R56 18LB/DG
24	R54 18LB/YL



C220

C220 - (BODY TO I/P)

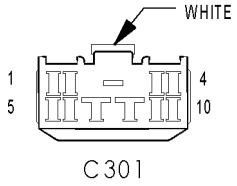
CAV	CIRCUIT
1	Y105 20BR/RD
2	X91 18WT/BK
3	F32 18RD/YL
4	X87 18LG/RD
5	G75 20TN
6	G77 20VT/OR
7	X85 18LG/DG
8	G10 20LG/RD
9	G73 20LG/OR (EXCEPT BASE)
10	X93 18WT/RD
11	-
12	D25 20DB/VT
13	-
14	-
15	-
16	Z11 18 BK/WT
17	Y157 18TN/PK (EXCEPT BASE)
18	P97 20WT/DG (EXCEPT BASE)
19	-
20	P55 18DB (EXCEPT BASE)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



C301

C301 - WHITE (BODY TO PASSENGER DOOR)

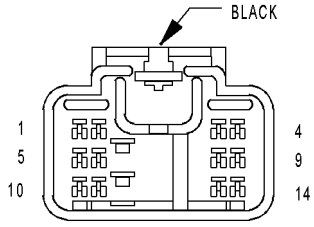
CAV	CIRCUIT
1	G74 20TN/RD
2	P76 20OR/YL (EXCEPT BASE)
3	P72 20YL/BK (EXCEPT BASE)
4	X82 18LB/RD
5	X80 18LB/BK
6	P74 20DB (EXCEPT BASE)
7	Q1 12TY (EXCEPT BASE)
8	-
9	-
10	Z315 20BK/LG



C301

C301 - WHITE (PASSENGER DOOR TO BODY)

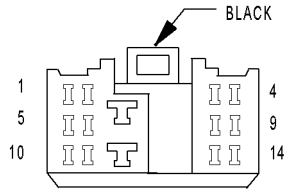
CAV	CIRCUIT
1	G74 20TN/RD
2	P76 20OR/YL
3	P72 20YL/BK
4	X82 18LB/RD
5	X80 18LB/BK
6	P74 20DB
7	Q1 14YL
8	-
9	-
10	Z315 20BK/LG



C302

C302 - BLACK (BODY TO PASSENGER DOOR)

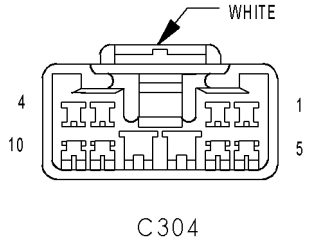
CAV	CIRCUIT
1	Y107 20VT/RD
2	-
3	-
4	Y156 18TN/WT
5	-
6	P96 20WT/LG
7	Q16 14BR/WT
8	Q26 14VT/WT
9	G72 20DG/OR
10	Y200 18TN/VT
11	Z311 20BK/LB
12	-
13	F121 18TN/BK
14	-



C302

C302 - BLACK (PASSENGER DOOR TO BODY)

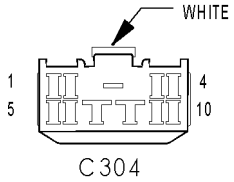
CAV	CIRCUIT
1	Y107 20VT/RD
2	-
3	-
4	Y156 18TN/WT
5	-
6	P96 20WT/LG
7	Q16 14BR/WT
8	Q26 14VT/WT
9	G72 20DG/OR
10	Y200 18TN/VT
11	Z311 20BK/LB
12	-
13	F121 18TN/BK
14	-



C304

C304 - WHITE (BODY TO DRIVER DOOR)

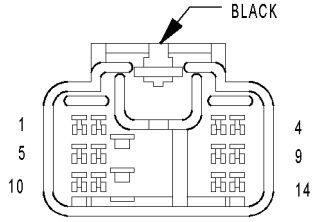
CAV	CIRCUIT
1	G75 20TN
2	P76 20OR/YL (EXCEPT BASE)
3	P72 20YL/BK (EXCEPT BASE)
4	X87 18LG/RD
5	X85 18LG/DG
6	P74 20DB (EXCEPT BASE)
7	F21 12TN (EXCEPT BASE)
8	Q1 12YL (EXCEPT BASE)
9	F32 18RD/YL (EXCEPT BASE)
10	Z314 20BK/LG



C304

C304 - WHITE (DRIVER DOOR TO BODY)

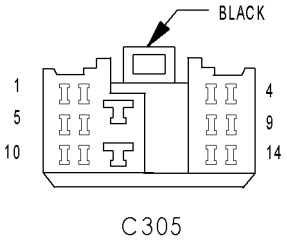
CAV	CIRCUIT
1	G75 20TN
2	P76 20OR/YL
3	P72 20YL/BK
4	X87 18LG/RD
5	X85 18LG/DG
6	P74 20DB
7	F21 14TN
8	Q1 14YL
9	F32 18RD/YL
10	Z314 20BK/LG



C305

C305 - BLACK (BODY TO DRIVER DOOR)

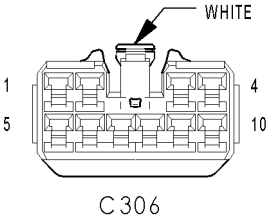
CAV	CIRCUIT
1	F121 18TN/BK
2	Q16 14BR/WT
3	Q26 14VT/WT
4	Y157 18TN/PK
5	-
6	P55 18DB
7	Z239 14BK/LB
8	Q28 14DG/WT
9	-
10	P97 20WT/DG
11	G73 20LG/OR
12	Q18 14GY/BK
13	Q27 14RD/BK
14	Q17 14DB/WT



C305

C305 - BLACK (DRIVER DOOR TO BODY)

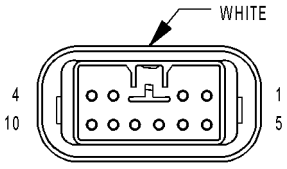
CAV	CIRCUIT
1	F121 18TN/BK
2	Q16 14BR/WT
3	Q26 14VT/WT
4	Y157 18TN/PK
5	-
6	P55 15DB
7	Z239 14BK/LB
8	Q28 14DG/WT
9	-
10	P97 20WT/DG
11	G73 20LG/OR
12	Q18 14GY/BK
13	Q27 14RD/BK
14	Q17 14DB/WT
15	-
16	-



C306

C306 - WHITE (BODY TO LEFT REAR DOOR)

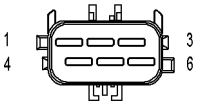
CAV	CIRCUIT
1	Z75 20BK
2	G77 20TN/OR
3	Y157 18TN/PK
4	Y201 18TN/OR
5	Q1 14YL
6	Q17 14DB/WT
7	Q27 14RD/BK
8	X91 18WT/BK
9	X93 18WT/RD
10	-



C306

C306 - WHITE (LEFT REAR DOOR TO BODY)

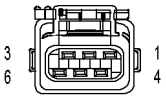
CAV	CIRCUIT
1	Z75 20BK
2	G77 20VT/OR
3	Y157 18TN/PK (EXCEPT BASE)
4	Y201 18TN/OR (EXCEPT BASE)
5	Q1 14YL (EXCEPT BASE)
6	Q17 14DB/WT (EXCEPT BASE)
7	Q27 14/RD/BK (EXCEPT BASE)
8	X91 18WT/BK
9	X93 18WT/RD
10	-



C307
(TAIL LAMP
JUMPER)

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

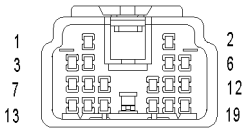
CAV	CIRCUIT
1	L7 18 BK/YL
2	-
3	Z151 18 BK
4	L22 18LB/WT
5	L62 18BR/RD
6	L1 18VT/BK



C307
(TAIL LAMP
JUMPER)

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

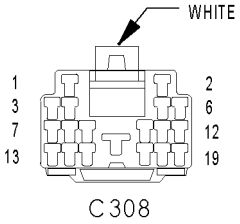
CAV	CIRCUIT
1	L7 18BK/YL
2	-
3	Z151 18BK
4	L22 18WT/LG
5	L62 18DG/RD
6	L1 18VT/BK



C308

C308 - (BODY TO I/P)

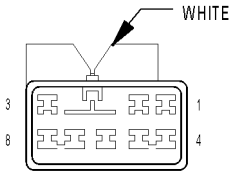
CAV	CIRCUIT
1	G74 20TN/RD
2	G72 20DG/OR (EXCEPT BASE)
3	-
4	X80 18LB/BK
5	P96 20WT/LG (EXCEPT BASE)
6	G76 20TN/YL
7	-
8	Y200 18TN/VY (EXCEPT BASE)
9	Y156 18TN/WT (EXCEPT BASE)
10	Y107 20VT/RD (EXCEPT BASE)
11	R53 18LG/YL
12	R55 18LG/DG
13	-
14	X94 18TN/VT
15	X92 18TN/BK
16	-
17	-
18	-
19	X82 18LB/RD



C308

C308 - WHITE (I/P TO BODY)

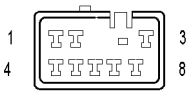
CAV	CIRCUIT
1	G74 20TN/RD
2	G72 20DG/OR
3	-
4	X80 18LB/BK
5	P96 20WT/LG
6	G76 20TN/YL
7	-
8	Y200 18TN/VT
9	Y156 18TN/WT
10	Y107 20VT/RD
11	R53 18LG/YL
12	R55 18LG/DG
13	-
14	X94 18TN/VT
15	X92 18TN/BK
16	-
17	-
18	-
19	X82 18LB/VT



C309

C309 - WHITE (I/P TO BODY)

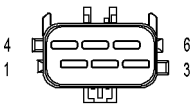
CAV	CIRCUIT
1	-
2	P133 20TN/DG
3	P137 20VT/DG
4	-
5	P140 20VT/BK
6	P134 20TN/LG
7	P138 20VT/LG
8	P139 20VT/WT



C309

C309 - (BODY TO I/P)

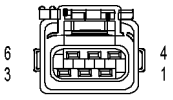
CAV	CIRCUIT
1	-
2	P133 20TN/DG
3	P137 20VT/DG
4	-
5	P140 20VT/BK
6	P134 20TN/LG
7	P138 20VT/LG
8	P139 20VY/WT



C310
(TAIL LAMP
JUMPER)

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

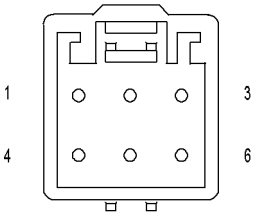
CAV	CIRCUIT
1	Y174 18PK/VT
2	-
3	Z150 18BK
4	L24 18WT/LG
5	L63 18DG/RD
6	L1 18VT/BK



C310
(TAIL LAMP
JUMPER)

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

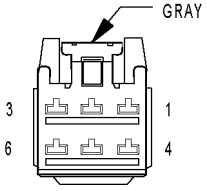
CAV	CIRCUIT
1	Y174 18PK/VT
2	-
3	Z150 18BK
4	L24 18WT/LG
5	L63 18DG/RD
6	L1 18VT/BK



C311
(EXCEPT SLT+)

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

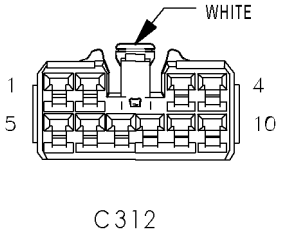
CAV	CIRCUIT
1	Z238 14BK
2	F37 12RD/LB
3	G10 20LG/RD
4	Y148 16BR/YL
5	Z237 20BK/OR
6	-



C311
(EXCEPT SLT+)

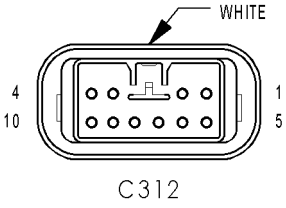
C311 (EXCEPT SLT+) - GRAY (BODY TO SEAT)

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



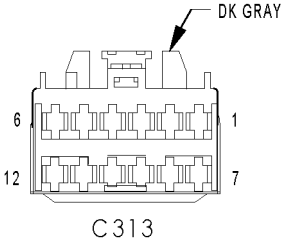
C312 - WHITE (BODY TO RIGHT REAR DOOR)

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	-



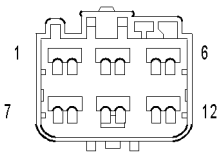
C312 - WHITE (RIGHT REAR DOOR TO BODY)

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 - DK GRAY (JUMPER TO DRIVER SEAT)

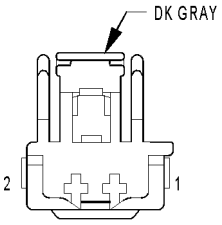
CAV	CIRCUIT
1	F37 12RD/LB
2	Z238 14BK
3	P106 12DG/WT
4	P13 12RD/WT
5	P107 12OR/BK
6	Z88 14BK/LB
7	F37 12RD/LB
8	P11 12YL/WT
9	P17 12RD/LB
10	P15 12YL/LB
11	P21 12RD/LG
12	P19 12YL/LG



C313

C313 - (DRIVER SEAT TO JUMPER)

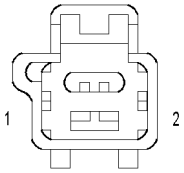
CAV	CIRCUIT
1	F37 12RD/LB
2	Z238 14BK
3	P106 12DG/WT
4	P13 12RD/WT
5	P107 12OR/BK
6	Z88 14BK/LB
7	F37 12RD/LB
8	P11 12YL/WT
9	P17 12RD/LB
10	P15 12YL/LB
11	P21 12RD/LG
12	P19 12YL/LG



C314

C314 - DK GRAY (DRIVER SEAT TO JUMPER)

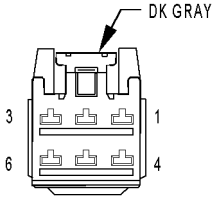
CAV	CIRCUIT
1	Y148 16BR/YL
2	Z300 16BK/WT



C314

C314 - (JUMPER TO DRIVER SEAT)

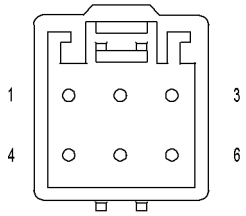
CAV	CIRCUIT
1	Y148 16BR/YL
2	Z300 16BK/WT



C315
(HEATED/POWER SEAT)

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

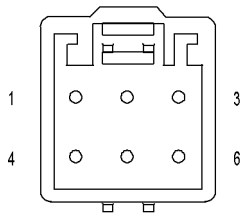
CAV	CIRCUIT
1	Z121 20BK/WT
2	P142 18TN/DB
3	F37 12RD/LB
4	P144 20BK/LG
5	P86 20PK/BK
6	Z238 14BK



C315

C315 - (JUMPER TO DRIVER SEAT)

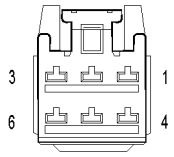
CAV	CIRCUIT
1	Z121 20BK/WT
2	P142 18TN/DB
3	P37 12RD/LB
4	P144 20BK/LG
5	P86 20PK/BK
6	Z238 14BK



C316

C316 - (JUMPER TO PASSENGER SEAT)

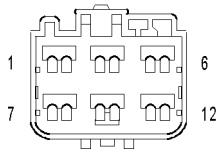
CAV	CIRCUIT
1	Z121 20BK/WT
2	P142 18TN/DB
3	F37 12RD/LB
4	P144 20BK/LG
5	P86 20PK/BK
6	Z238 14BK



C316

C316 - (PASSENGER SEAT TO JUMPER)

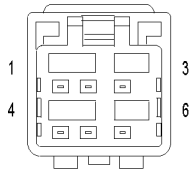
CAV	CIRCUIT
1	Z121 20BK/WT
2	P142 18TN/DB
3	F37 12RD/LB
4	P144 20BK/LG
5	P86 20PK/BK
6	Z238 14BK



C317

C317 - (PASSENGER SEAT TO SEAT SWITCH)

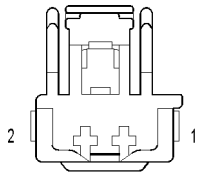
CAV	CIRCUIT
1	F37 12RD/LB
2	Z238 14BK
3	P105 12LG/DB
4	P10 12YL/WT
5	P104 12YL/LB
6	Z238 14BK
7	F37 12RD/LB
8	P12 12RD/WT
9	P16 12 RD/LB
10	P14 12YL/LB
11	P18 12YL/LG
12	P20 12RD/LG



C317

C317 - (SEAT SWITCH PASSENGER SEAT)

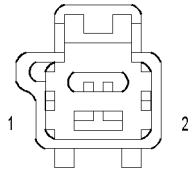
CAV	CIRCUIT
1	Z238 18BK
2	P105 12LG/DB
3	F37 12RD/LB
4	P104 12YL/LB
5	Z238 18BK
6	-



C319

C319 - (JUMPER TO POWER POINT)

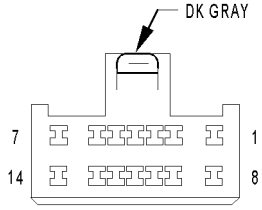
CAV	CIRCUIT
1	Y148 16BR/YL
2	Z300 16BK/WT



C319

C319 - (POWER POINT TO JUMPER)

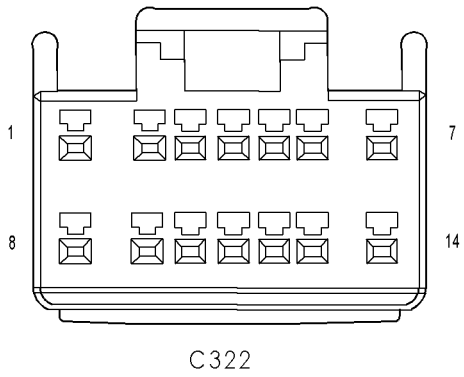
CAV	CIRCUIT
1	Y148 18BR/YL
2	Z300 18BK/WT



C322

C322 - DK GRAY (SEAT TO BODY)

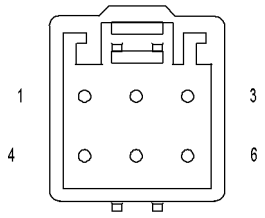
CAV	CIRCUIT
1	F235 18RD (SLT + HEATED POWER DRIVER SEAT)
1	Z300 16BK/WT (MANUAL DRIVER SEAT WITH POWER POINT)
1	Z238 14BK (POWER DRIVER SEAT)
2	P137 20VT/DG (SLT+HEATED POWER DRIVER SEAT)
2	F37 12RD/LB (POWER DRIVER SEAT)
3	G10 20LG/RD (DRIVER POWER/MANUAL SEAT)
3	P133 20TN/DG (SLT+HEATED POWER DRIVER 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

C322 - (BODY TO SEAT)

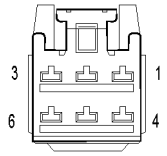
CAV	CIRCUIT
1	F235 18RD
2	P137 20VT/DG
3	P133 20TN/DG
4	G10 20LG/RD
5	P139 20VT/WT
6	P138 20VT/LG
7	Z238 14BK
8	F37 12RD/LB
9	P134 20TN/LG
10	P140 20VT/BK
11	Z237 20BK/OR
12	Z121 20BK/LG
13	-
14	Y148 16YL/RD



C323

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

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

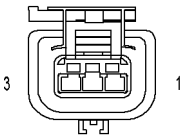
C328 - BLACK (CHASSIS TO DUAL-REAR-WHEELS

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

PICTURE NOT AVAILABLE

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

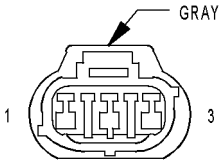
CAV	CIRCUIT
1	Y174 18PK/VT
2	Z57 18BK



CAMSHAFT POSITION SENSOR (DIESEL)

CAMSHAFT POSITION SENSOR (DIESEL) - 3 WAY

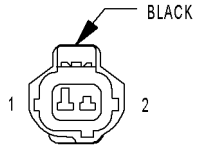
CAV	CIRCUIT	FUNCTION
1	K72 18DG/OR	5 VOLTS SUPPLY
2	K55 18LB/WT	MASS AIR FLOW SENSOR SIGNAL
3	K53 18DB/RD	MASS AIR FLOW SENSOR SIGNAL RETURN



CAMSHAFT POSITION SENSOR (GAS)

CAMSHAFT POSITION SENSOR (GAS) - GRAY 3 WAY

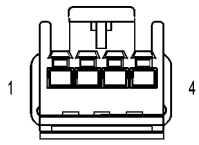
CAV	CIRCUIT	FUNCTION
1	K44 18TN/YL	CAMSHAFT POSITION SENSOR SIGNAL
1	K44 18TN/YL (4.7L/5.7L)	CMP SIGNAL
2	K4 20BK/LB (5.9L)	5 VOLT SUPPLY
2	K4 18BK/LB (3.7L)	SENSOR GROUND
2	K4 20BK/LB (4.7L/5.7L)	SENSOR GROUND
3	K7 18OR (3.7L)	5 VOLT SUPPLY
3	K7 20OR (5.9L)	5 VOLT SUPPLY
3	K6 20VT/WT (4.7L/5.7L)	5 VOLT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



CAPACITOR

CAPACITOR - BLACK 2 WAY

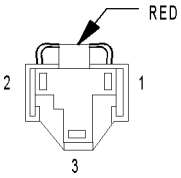
CAV	CIRCUIT	FUNCTION
1	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	-	-



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

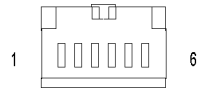
CLEARANCE LAMP NO. 4 (HEAVY DUTY) - 2 WAY

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

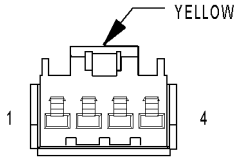
CAV	CIRCUIT	FUNCTION
1	L7 20BK/YL	HEADLAMP SWITCH OUTPUT
2	Z253 20BK/RD	GROUND



CLOCKSPRING C1

CLOCKSPRING C1 - 6 WAY

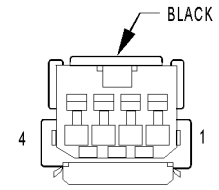
CAV	CIRCUIT	FUNCTION
1	Z5 20BK/LB	GROUND
2	X20 20GY/WT	RADIO CONTROL MUX
3	V38 20VT/OR (5.7L)	S/C SWITCH SIGNAL NO.2
4	V37 20RD/LG	SPEED CONTROL SWITCH SIGNAL
5	K4 20BK/LB	SENSOR GROUND
6	X3 20BK/RD	HORN SWITCH SENSE



CLOCKSPRING C2

CLOCKSPRING C2 - YELLOW 4 WAY

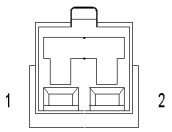
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	R43 18BK/LB	DRIVER SQUIB 1 LINE 1
4	R45 18DG/LB	DRIVER SQUIB 1 LINE 2



CLOCKSPRING C3

CLOCKSPRING 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



CLOCKSPRING C4

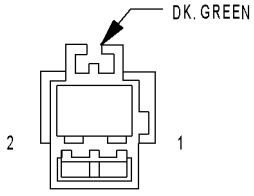
CLOCKSPRING C4 - 2 WAY

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

PICTURE NOT AVAILABLE

CLOCKSPRING C5 (REMOTE RADIO) - BLACK 2 WAY

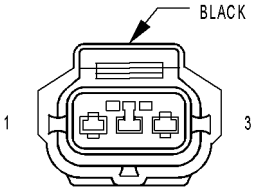
CAV	CIRCUIT	FUNCTION
1	Z5 22BK/LB	GROUND
2	X20 22GY (WITHOUT ETC)	RADIO CONTROL MUX
2	X20 22RD/BK (WITH ETC)	RADIO CONTROL MUX



CLUTCH INTERLOCK BRAKE SWITCH

CLUTCH INTERLOCK BRAKE SWITCH - DK GREEN 2 WAY

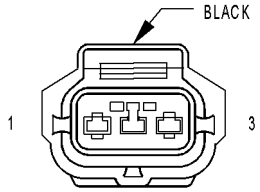
CAV	CIRCUIT	FUNCTION
1	T24 20BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE (T41)
2	Z248 20BK	GROUND



COIL ON PLUG NO. 1 (3.7L/4.7L/5.7L)

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

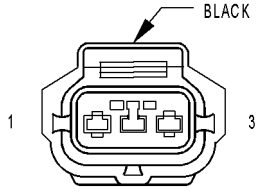
CAV	CIRCUIT	FUNCTION
1	K91 18TN/RD	COIL ON PLUG DRIVER NO. 1
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K91 18TN/RD (NGC)	COIL CONTROL NO. 1
3	-	-



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

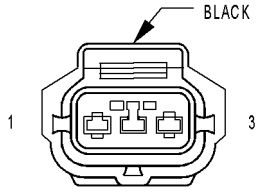
CAV	CIRCUIT	FUNCTION
1	K92 18TN/PK	COIL ON PLUG DRIVER NO. 2
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K92 18TN/PK (NGC)	COIL CONTROL NO. 2
3	-	-



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

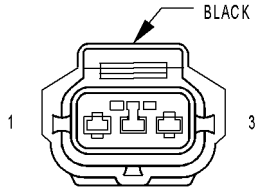
CAV	CIRCUIT	FUNCTION
1	K93 18TN/OR	COIL ON PLUG DRIVER NO. 3
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K93 18TN/OR (NGC)	COIL CONTROL NO. 3
3	-	-



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

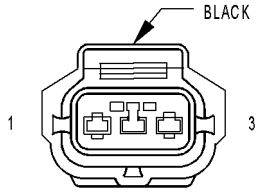
CAV	CIRCUIT	FUNCTION
1	K94 18TN/LG	COIL ON PLUG DRIVER NO. 4
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K94 18TN/LG (NGC)	COIL CONTROL NO. 4
3	-	-



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

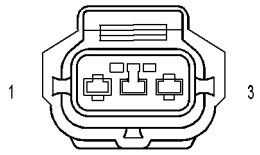
CAV	CIRCUIT	FUNCTION
1	K95 18TN/DG	COIL ON PLUG DRIVER NO. 5
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K95 18TN/DG (NGC)	COIL CONTROL NO. 5
3	-	-



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

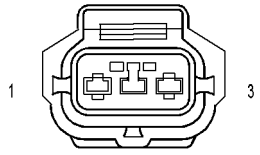
CAV	CIRCUIT	FUNCTION
1	K96 18TN/LB	COIL ON PLUG DRIVER NO. 6
1	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K96 18TN/LB (NGC)	COIL CONTROL NO. 6
3	-	-



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

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

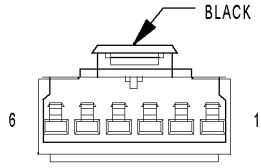
CAV	CIRCUIT	FUNCTION
1	K97 18BR	COIL CONTROL NO. 7
1	A142 16DG/OR (5.7L)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K97 18BR (5.7L)	COIL CONTROL NO. 7
3	-	-



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

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

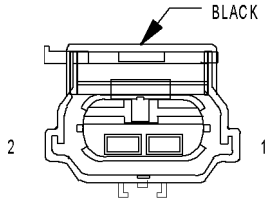
CAV	CIRCUIT	FUNCTION
1	K98 18LB/RD	COIL CONTROL NO. 8
1	A142 16DG/OR (5.7L)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K98 18LB/RD (5.7L)	COIL CONTROL NO. 8
3	-	-



COMPASS/MINI-
TRIP COMPUTER
(EXCEPT BASE)

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

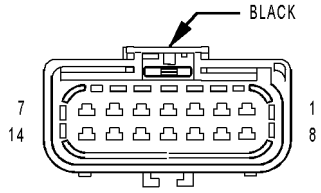
CAV	CIRCUIT	FUNCTION
1	-	-
2	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	Z104 20BK/OR	GROUND
4	F32 20RD/YL	FUSED B(+)
5	D25 20VT	PCI BUS
6	-	-



CONDENSER FAN

CONDENSER FAN - BLACK 2 WAY

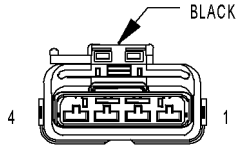
CAV	CIRCUIT	FUNCTION
1	Z212 16LG/BK	GROUND
2	C23 16DG	CONDENSER FAN RELAY OUTPUT



CONTROLLER ANTILOCK BRAKE C1

CONTROLLER ANTILOCK BRAKE C1 - BLACK 14 WAY

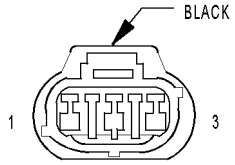
CAV	CIRCUIT	FUNCTION
1	B113 20RD/VT	REAR WHEEL SPEED SENSOR (+)
2	B222 20DG/WT (EXCEPT 4 WHEEL ABS)	VEHICLE SPEED SIGNAL NO.2
3	D25 20VT/BK	PCI BUS
4	A20 20RD/DB	FUSED IGNITION SWITCH OUTPUT (RUN)
5	-	-
6	Z102 12BK/VT	GROUND
7	A10 14RD/DG	FUSED B(+)
8	B114 20WT/VT	REAR WHEEL SPEED SENSOR (-)
9	K29 20WT/PK	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

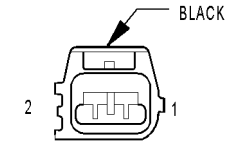
CAV	CIRCUIT	FUNCTION
1	B9 20RD	LEFT FRONT WHEEL SPEED SENSOR (+)
2	B8 20RD/DB	LEFT FRONT WHEEL SPEED SENSOR (-)
3	B6 20WT/DB	RIGHT FRONT WHEEL SPEED SENSOR (-)
4	B7 20WT	RIGHT FRONT WHEEL SPEED SENSOR (+)



CRANKSHAFT
POSITION SENSOR

CRANKSHAFT POSITION SENSOR - BLACK 3 WAY

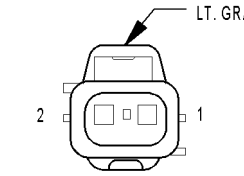
CAV	CIRCUIT	FUNCTION
1	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
1	K7 18OR (5.7L)	5 VOLT SUPPLY
1	K24 18GY/BK (4.7L/)	CKP SIGNAL
2	K4 18BK/LB (3.7L/4.7L/5.7L)	SENSOR GROUND
2	K4 20BK/LB (5.9L)	SENSOR GROUND
3	K7 18OR (3.7L/4.7L)	5 VOLT SUPPLY
3	K24 18GY/BK (5.7L)	CKP SIGNAL
3	K7 20OR (5.9L)	5 VOLT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



CYLINDER LOCK
SWITCH-DRIVER
(PREMIUM)

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

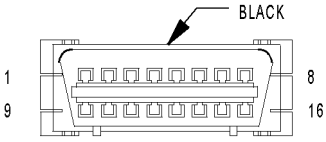
CAV	CIRCUIT	FUNCTION
1	G73 20LG/OR	DRIVER CYLINDER LOCK SWITCH MUX
2	Z70 20BK/LG	GROUND



CYLINDER LOCK
SWITCH-PASSENGER
(PREMIUM)

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

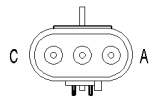
CAV	CIRCUIT	FUNCTION
1	G72 20DG/OR	PASSENGER CYLINDER LOCK SWITCH MUX
2	Z69 20BK/LG	GROUND



DATA LINK
CONNECTOR

DATA LINK CONNECTOR - BLACK 16 WAY

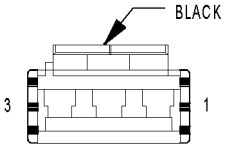
CAV	CIRCUIT	FUNCTION
1	-	-
2	D25 20LB/VT	PCI BUS
3	-	-
4	Z305 18BK/DG	GROUND
5	Z306 18OR/BK	GROUND
6	-	-
7	D21 18PK	SCI TRANSMIT (PCM)
8	-	-
9	D6 18PK/LB	SCI RECEIVE (TCM)
10	-	-
11	-	-
12	D20 20LG	SCI RECEIVE (PCM)
13	-	-
14	-	-
15	D15 18WT/DG	SCI TRANSMIT (TCM)
16	M1 18PK	FUSED B(+)



DATA LINK CONNECTOR - ENGINE (DIESEL)

DATA LINK CONNECTOR - ENGINE (DIESEL) - 3 WAY

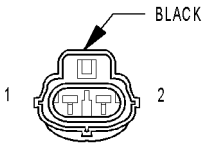
CAV	CIRCUIT	FUNCTION
A	D1 18VT/BR	CCD BUS (+)
B	D2 18WT/BK	CCD BUS (-)
C	Z11 14BK/WT	GROUND



DOME LAMP

DOME LAMP - BLACK 3 WAY

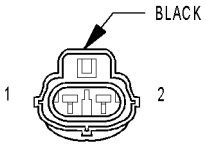
CAV	CIRCUIT	FUNCTION
1	-	-
2	M20 20BR	COURTESY LAMP DRIVER
3	F32 18RD/YL	FUSED B(+)



DOOR AJAR SWITCH-DRIVER (BASE)

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

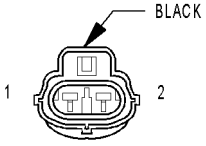
CAV	CIRCUIT	FUNCTION
1	G75 20TN	DRIVER DOOR AJAR SWITCH SENSE
2	Z314 20BK/LG	GROUND



DOOR AJAR SWITCH-LEFT REAR (BASE)

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

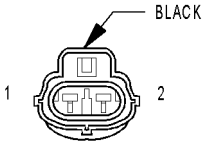
CAV	CIRCUIT	FUNCTION
1	G77 20VT/OR	LEFT REAR DOOR AJAR SWITCH SENSE
2	Z75 20BK	GROUND



DOOR AJAR SWITCH-PASSENGER (BASE)

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

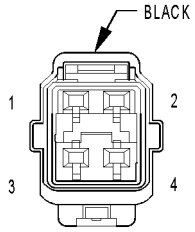
CAV	CIRCUIT	FUNCTION
1	G74 20TN	PASSENGER DOOR AJAR SWITCH SENSE
2	Z315 20BK/LG	GROUND



DOOR AJAR SWITCH- RIGHT REAR (BASE)

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

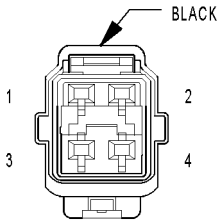
CAV	CIRCUIT	FUNCTION
1	G76 20VT/OR	RIGHT REAR DOOR AJAR SWITCH SENSE
2	Z74 20BK	GROUND



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

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

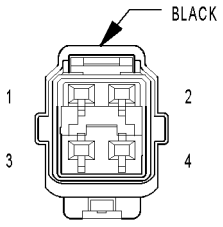
CAV	CIRCUIT	FUNCTION
1	G75 20TN	DRIVER DOOR AJAR SWITCH SENSE
2	Z314 20BK/LG	GROUND
3	P55 18 DB	DOOR UNLOCK DRIVER LEFT FRONT
4	Y157 18TN/PK	DOOR LOCK DRIVER LEFT DOORS



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

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

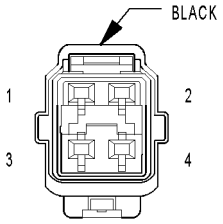
CAV	CIRCUIT	FUNCTION
1	G77 20VT/OR	LEFT REAR DOOR AJAR SWITCH SENSE
2	Z75 20BK	GROUND
3	Y201 18TN/OR	DOOR UNLOCK DRIVER LEFT REAR
4	Y157 18TN/PK	DOOR LOCK DRIVER LEFT DOORS



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

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

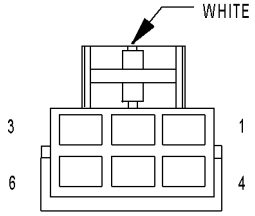
CAV	CIRCUIT	FUNCTION
1	G74 20TN/RD	PASSENGER DOOR AJAR SWITCH SENSE
2	Z315 20BK/LG	GROUND
3	Y156 18TN/WT	DOOR UNLOCK DRIVER RIGHT DOORS
4	Y200 18TN/VT	DOOR LOCK DRIVER RIGHT DOORS



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

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

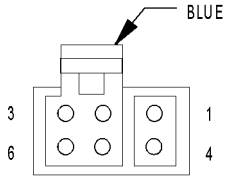
CAV	CIRCUIT	FUNCTION
1	G76 20VT/OR	RIGHT REAR DOOR AJAR SWITCH SENSE
2	Z74 20BK	GROUND
3	Y156 18TN/OR	DOOR UNLOCK DRIVER RIGHT DOORS
4	Y200 18TN/PK	DOOR LOCK DRIVER RIGHT DOORS



DOOR LOCK SWITCH- PASSENGER

DOOR LOCK SWITCH-PASSENGER - WHITE 6 WAY

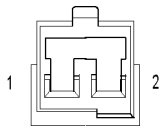
CAV	CIRCUIT	FUNCTION
1	P96 20WT/LG	PASSENGER DOOR LOCK SWITCH MUX
2	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	-	-
5	Z74 20BK/LG	GROUND
6	-	-



DOOR WINDOW/LOCK SWITCH-PASSENGER

DOOR WINDOW/LOCK SWITCH - PASSENGER - BLUE 6 WAY

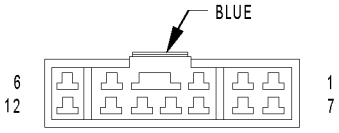
CAV	CIRCUIT	FUNCTION
1	Q12 14BR	RIGHT FRONT WINDOW DRIVER (UP)
2	Q26 14VT/WT	MASTER WINDOW SWITCH RIGHT FRONT (DOWN)
3	-	-
4	Q16 14BR/WT	MASTER WINDOW SWITCH RIGHT FRONT (UP)
5	Q22 14VT	RIGHT FRONT WINDOW DRIVER (DOWN)
6	Q1 14YL	POWER WINDOW SWITCH FEED



DRIVER BLEND DOOR ACTUATOR (DUAL-ZONE)

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

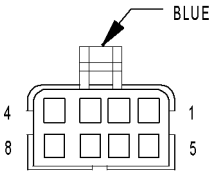
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C62 20DB/PK	BLEND DOOR DRIVER



DRIVER
DOOR
MODULE C1

DRIVER DOOR MODULE C1 - BLUE 12 WAY

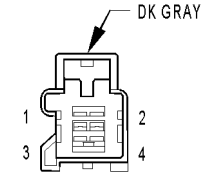
CAV	CIRCUIT	FUNCTION
1	Q28 14DG/WT	RIGHT REAR WINDOW DRIVER (DOWN)
2	Q18 14GY/BK	RIGHT REAR WINDOW DRIVER (UP)
3	Q16 14BR/WT	MASTER WINDOW SWITCH RIGHT FRONT (UP)
4	Q17 14DB/WT	LEFT REAR WINDOW DRIVER (UP)
5	Q11 14LB	LEFT FRONT WINDOW DRIVER (UP)
6	Q26 14VT/WT	MASTER WINDOW SWITCH RIGHT FRONT (DOWN)
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

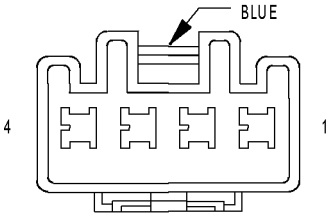
CAV	CIRCUIT	FUNCTION
1	P71 20YL	LEFT MIRROR UP DRIVER
2	P76 20OR/YL	LEFT MIRROR COMMON DRIVER (RIGHT/DOWN)
3	F32 18RD/YL	FUSED B(+)
4	P74 20DB	RIGHT MIRROR LEFT DRIVER
5	Z239 20BK	GROUND
6	P75 20DB/WT	LEFT MIRROR LEFT DRIVER
7	P72 20YL/BK	RIGHT MIRROR UP DRIVER
8	Q1 14YL	POWER WINDOW SWITCH FEED



DRIVER
HEATED SEAT
CUSHION

DRIVER HEATED SEAT CUSHION - DK GRAY 4 WAY

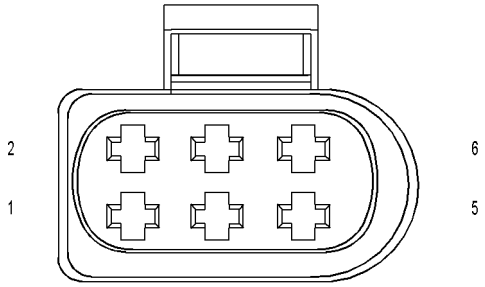
CAV	CIRCUIT	FUNCTION
1	P141 18TN/LB	DRIVER SEAT TEMPERATURE SENSOR INPUT
2	Z121 20BK/LG	GROUND
3	P143 20BK/DG	DRIVER SEAT TEMPERATURE 5 VOLT SUPPLY
4	P86 20PK/BK	SEAT HEATER DRIVER



ELECTRIC
BRAKE
PROVISION

ELECTRIC BRAKE PROVISION - BLUE 4 WAY

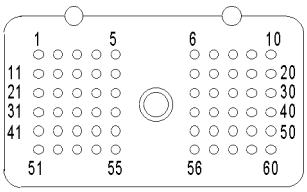
CAV	CIRCUIT	FUNCTION
1	Y133 14RD/OR	FUSED B(+)
2	B40 14LB	TRAILER TOW BRAKE B(+)
3	L50 18WT/TN	BRAKE LAMP SWITCH OUTPUT
4	Z255 18DG/BK	GROUND



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



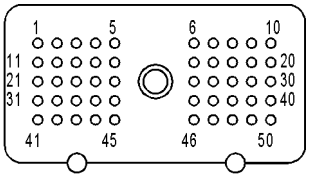
ENGINE CONTROL MODULE C1 (DIESEL)

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	-	-



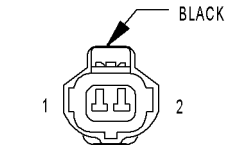
ENGINE CONTROL MODULE C2 (DIESEL)

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

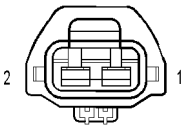
CAV	CIRCUIT	FUNCTION
28	D25 18VT/YL	PCI BUS
29	-	-
30	A140 16DG/WT	FUSED B(+)
31	-	-
32	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
33	-	-
34	-	-
35	K68 18BR/LG	INLET AIR PRESSURE SENSE
36	V32 18YL/RD	SPEED CONTROL SUPPLY
37	K29 18WT/PK	BRAKE SWITCH SENSE
38	-	-
39	-	-
40	A140 16BG/WT	FUSED 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

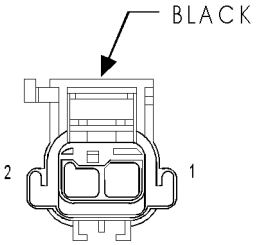
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
2	K2 18TN/BK (4.7L/5.7L)	ECT SIGNAL



ENGINE COOLANT TEMPERATURE SENSOR (DIESEL)

ENGINE COOLANT TEMPERATURE SENSOR (DIESEL) - 2 WAY

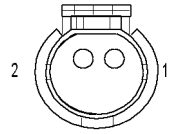
CAV	CIRCUIT	FUNCTION
1	K104 18RD/WT	SENSOR GROUND
2	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL



ENGINE OIL PRESSURE SENSOR

ENGINE OIL PRESSURE SWITCH - BLACK 2 WAY

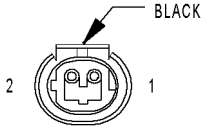
CAV	CIRCUIT	FUNCTION
1	G60 18GY/YL	ENGINE OIL PRESSURE SWITCH SENSE
2	-	-



EVAP/PURGE SOLENOID (EXCEPT NGC)

EVAP/PURGE SOLENOID (EXCEPT NGC) - 2 WAY

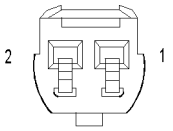
CAV	CIRCUIT	FUNCTION
1	K52 18PK/BK	EVAPORATIVE SOLENOID CONTROL
2	Y134 20GY/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)



EVAP/PURGE SOLENOID (NGC)

EVAP/PURGE SOLENOID (NGC) - BLACK 2 WAY

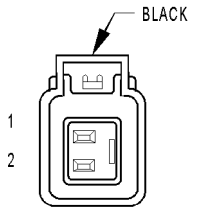
CAV	CIRCUIT	FUNCTION
1	K108 18WT/TN	EVAP PURGE RETURN
2	K52 18PK/BK	EVAP PURGE CONTROL



EVAPORATOR TEMPERATURE SENSOR

EVAPORATOR TEMPERATURE SENSOR - 2 WAY

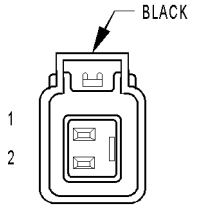
CAV	CIRCUIT	FUNCTION
1	C57 20DB/GY	SENSOR GROUND
2	C12 20LG/BK	EVAPORATOR TEMPERATURE SENSOR SIGNAL



FENDER LAMP - FRONT LEFT

FENDER LAMP-FRONT LEFT - BLACK 2 WAY

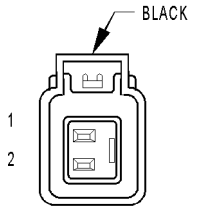
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z57 18BK	GROUND



FENDER LAMP - FRONT RIGHT

FENDER LAMP-FRONT RIGHT - BLACK 2 WAY

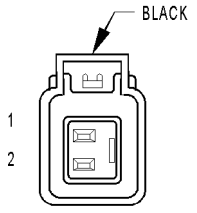
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z57 18BK	GROUND



FENDER LAMP - REAR LEFT

FENDER LAMP-REAR LEFT - BLACK 2 WAY

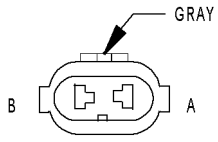
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z57 18BK	GROUND



FENDER LAMP - REAR RIGHT

FENDER LAMP-REAR RIGHT - BLACK 2 WAY

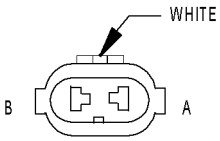
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z57 18BK	GROUND



FOG LAMP- LEFT

FOG LAMP-LEFT - GRAY 2 WAY

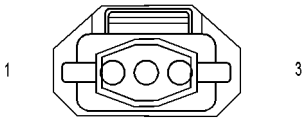
CAV	CIRCUIT	FUNCTION
A	Z144 18BK/OR	GROUND
B	L39 18/LB	FOG LAMP RELAY OUTPUT



FOG LAMP-RIGHT

FOG LAMP-RIGHT - WHITE 2 WAY

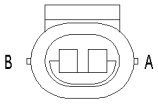
CAV	CIRCUIT	FUNCTION
A	Z144 18BK/OR	GROUND
B	L39 18LB	FOG LAMP RELAY OUTPUT



FUEL CONTROL ACTUATOR (DIESEL)

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)

FUEL HEATER (DIESEL) - 2 WAY

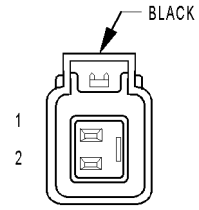
CAV	CIRCUIT	FUNCTION
A	A93 14RD/BK	FUEL HEATER RELAY OUTPUT
B	Z378 14BK	GROUND



FUEL INJECTOR NO.1 (DIESEL)

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

FUEL INJECTOR NO. 1 - BLACK 2 WAY

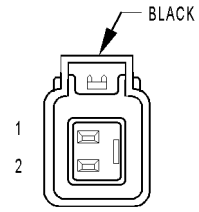
CAV	CIRCUIT	FUNCTION
1	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER
1	K11 18WT/DB (NGC)	INJECTOR CONTROL NO. 1
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



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

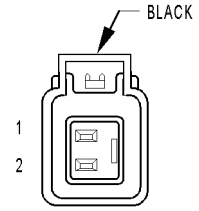
CAV	CIRCUIT	FUNCTION
1	K12 18TN	FUEL INJECTOR NO. 2 DRIVER
1	K12 18TN (NGC)	INJECTOR CONTROL NO. 2
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



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

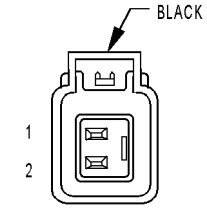
CAV	CIRCUIT	FUNCTION
1	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER
1	K13 18YL/WT (NCG)	INJECTOR CONTROL NO. 3
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



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

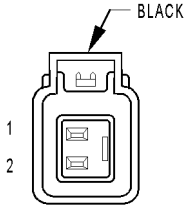
CAV	CIRCUIT	FUNCTION
1	K14 18LB/BR	FUEL INJECTOR NO. 4 DRIVER
1	K14 18LB/BR (NGC)	INJECTOR CONTROL NO. 4
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



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

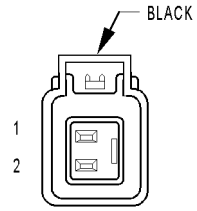
CAV	CIRCUIT	FUNCTION
1	K38 18GY	FUEL INJECTOR NO. 5 DRIVER
1	K38 18GY (NGC)	INJECTOR CONTROL NO. 5
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR NO.6 (DIESEL)

FUEL INJECTOR NO. 6 (DIESEL) - 2 WAY

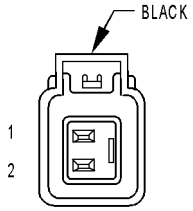
CAV	CIRCUIT	FUNCTION
1	K92 14TN/PK	COMMON INJECTOR DRIVER
2	K58 14BR/DB	FUEL INJECTOR NO. 6 CONTROL



FUEL INJECTOR NO. 6

FUEL INJECTOR NO. 6 - BLACK 2 WAY

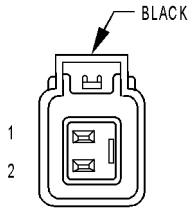
CAV	CIRCUIT	FUNCTION
1	K58 18BR/DB	FUEL INJECTOR NO. 6 DRIVER
1	K58 18BR/DB (NGC)	INJECTOR CONTROL NO. 6
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



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

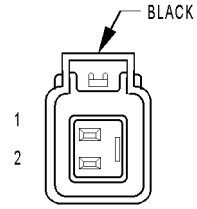
CAV	CIRCUIT	FUNCTION
1	K26 18VT/TN	FUEL INJECTOR NO. 7 DRIVER
1	K26 18VT/TN (NGC)	INJECTOR CONTROL NO. 7
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



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

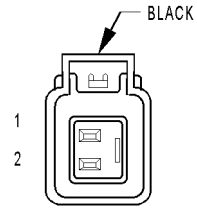
CAV	CIRCUIT	FUNCTION
1	K28 18GY/LB	FUEL INJECTOR NO. 8 DRIVER
1	K28 18GY/LB (NGC)	INJECTOR CONTROL NO. 8
2	A142 16DG/OR (NGC)	ASD RELAY OUTPUT
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR
NO. 9
(8.0L)

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

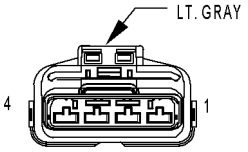
CAV	CIRCUIT	FUNCTION
1	K115 18TN	FUEL INJECTOR NO. 9 DRIVER
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL INJECTOR
NO. 10
(8.0L)

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

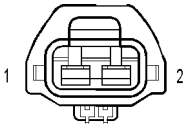
CAV	CIRCUIT	FUNCTION
1	K116 18WT/DB	FUEL INJECTOR NO. 10 DRIVER
2	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT



FUEL PUMP MODULE

FUEL PUMP MODULE - LT GRAY 4 WAY

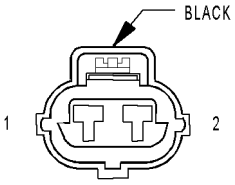
CAV	CIRCUIT	FUNCTION
1	Z211 18BK	GROUND
2	K4 18BK/LB	SENSOR GROUND
3	G8 18LB/BK	FUEL LEVEL SENSOR SIGNAL
4	A64 16DG/WT	FUEL PUMP RELAY OUTPUT



FUEL PUMP MOTOR (DIESEL)

FUEL PUMP MOTOR (DIESEL) - 2 WAY

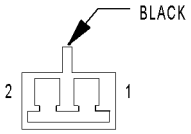
CAV	CIRCUIT	FUNCTION
1	K31 18BR	FUEL PUMP SIGNAL RETURN
2	K65 18OR/RD	FUEL PUMP RELAY CONTROL



GENERATOR

GENERATOR - BLACK 2 WAY

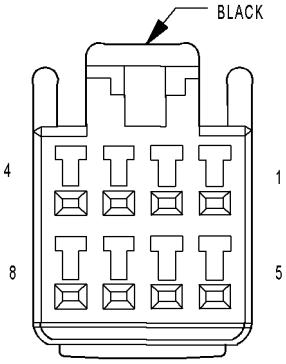
CAV	CIRCUIT	FUNCTION
1	K125 18WT/DB (JTEC/DIESEL)	GENERATOR SOURCE
1	K20 18DG (NGC)	GEN FIELD CONTROL
2	K20 18DG (JTEC/DIESEL)	GENERATOR FIELD CONTROL



GLOVE BOX LAMP AND SWITCH

GLOVE BOX LAMP AND SWITCH - BLACK 2 WAY

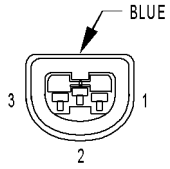
CAV	CIRCUIT	FUNCTION
1	M11 20PK/LB	COURTESY LAMP GROUND
2	F32 20RD/YL	FUSED B(+)



HEADLAMP SWITCH

HEADLAMP SWITCH - BLACK 8 WAY

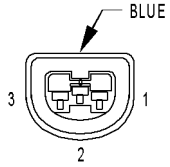
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	Y163 20OR/WT	HEADLAMP SWITCH ILLUMINATION CONTROL
4	Z214 20LB/BK	GROUND
5	L39 20LB	FOG LAMP RELAY OUTPUT
6	Y111 20VT/WT	PANEL LAMPS DIMMER SIGNAL
7	Y167 20WT/DB	HEADLAMP SWITCH RETURN
8	Y126 20VT/YL	HEADLAMP SWITCH SIGNAL



HEADLAMP-LEFT

HEADLAMP-LEFT - BLUE 3 WAY

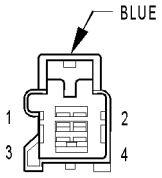
CAV	CIRCUIT	FUNCTION
1	Y171 18WT/DG	LEFT LOW BEAM OUTPUT
2	Z141 18BK/LB	GROUND
3	Y170 18WT/LG	LEFT HIGH BEAM OUTPUT



HEADLAMP-RIGHT

HEADLAMP-RIGHT - BLUE 3 WAY

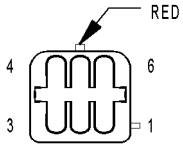
CAV	CIRCUIT	FUNCTION
1	Y169 18WT/TN	RIGHT LOW BEAM OUTPUT
2	Z142 18BK/LG	GROUND
3	Y168 18WT/LB	RIGHT HIGH BEAM OUTPUT



HEATED SEAT CUSHION-PASSENGER

HEATED SEAT CUSHION-PASSENGER - BLUE 4 WAY

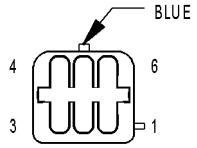
CAV	CIRCUIT	FUNCTION
1	P142 20TN/DB	PASSENGER SEAT TEMPERATURE SENSOR INPUT
2	Z121 20BK/WT	GROUND
3	P144 20BK/LG	PASSENGER SEAT TEMPERATURE 5 VOLT SUPPLY
4	P86 20PK/BK	SEAT HEATER DRIVER



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



HEATED SEAT SWITCH-PASSENGER

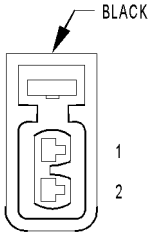
HEATED SEAT SWITCH-PASSENGER - BLUE 6 WAY

CAV	CIRCUIT	FUNCTION
1	P138 20VT/LG	PASSENGER SEAT LOW HEAT LED DRIVER
2	Y161 20OR/RD	PANEL LAMPS FEED
3	Z260 20DG/BK	GROUND
4	P131 20RD/DG	HEATED SEAT SWITCH SUPPLY
5	P140 20VT/BK	PASSENGER SEAT HIGH HEAT LED DRIVER
6	P134 20TN/LG	PASSENGER SEAT HEATER MUX SWITCH

PICTURE NOT AVAILABLE

HORN SWITCH - WHITE 2 WAY

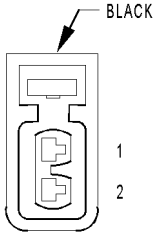
CAV	CIRCUIT	FUNCTION
1	X3 20BK/RD	HORN SWITCH SENSE
2	-	-



HORN-HIGH NOTE

HORN-HIGH NOTE - BLACK 2 WAY

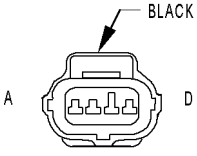
CAV	CIRCUIT	FUNCTION
1	X2 18DG/RD	HORN RELAY OUTPUT
2	Z307 18BK/WT	GROUND



HORN-LOW NOTE

HORN-LOW NOTE - BLACK 2 WAY

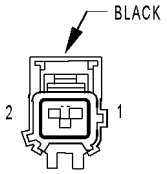
CAV	CIRCUIT	FUNCTION
1	X2 18DG/RD	HORN RELAY OUTPUT
2	Z308 18BK/BR	GROUND



IDLE AIR CONTROL MOTOR (3.7L/5.9L/8.0)

IDLE AIR CONTROL MOTOR (3.7L/5.9L/8.0L) - BLACK 4 WAY

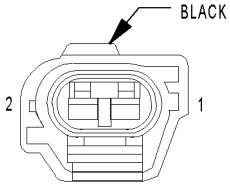
CAV	CIRCUIT	FUNCTION
C	K39 18GY/RD	IDLE AIR CONTROL MOTOR NO. 3 DRIVER
B	K60 18YL/BK	IDLE AIR CONTROL MOTOR NO. 2 DRIVER
A	K40 18BR/WT	IDLE AIR CONTROL MOTOR NO. 1 DRIVER
D	K59 18VT/BK	IDLE AIR CONTROL MOTOR NO. 4 DRIVER



IDLE AIR CONTROL MOTOR (NGC)

IDLE AIR CONTROL MOTOR (NGC) - BLACK 2 WAY

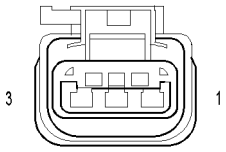
CAV	CIRCUIT	FUNCTION
1	K60 18YL/BK	IAC RETURN
2	K39 18GY/RD	IAC MOTOR CONTROL



IGNITION COIL (5.9L)

IGNITION COIL (5.9L) - BLACK 2 WAY

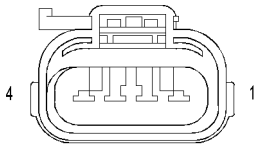
CAV	CIRCUIT	FUNCTION
1	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
2	K19 18BK/GY	IGNITION COIL NO. 1 DRIVER



IGNITION COIL LEFT (8.0L)

IGNITION COIL-LEFT (8.0L) - 3 WAY

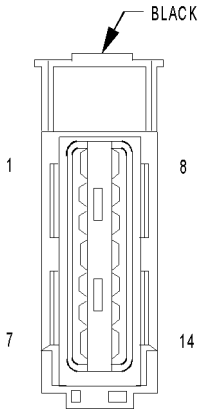
CAV	CIRCUIT	FUNCTION
1	K17 18DB/TN	IGNITION COIL NO. 8 DRIVER
2	A142 14DG.OR	AUTO SHUT DOWN RELAY OUTPUT
3	K32 18YL/GY	IGNITION COIL NO. 4 DRIVER



IGNITION COIL RIGHT (8.0L)

IGNITION COIL-RIGHT (8.0L) - 4 WAY

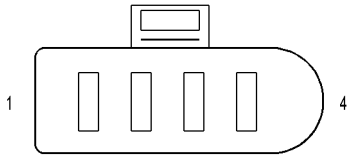
CAV	CIRCUIT	FUNCTION
1	K19 18BK/GY	IGNITION COIL NO. 1 DRIVER
2	A142 14DG/OR	AUTO SHUT DOWN RELAY OUTPUT
3	K18 18RD/YL	IGNITION COIL NO. 3 DRIVER
4	K43 18DG/GY	IGNITION COIL NO. 6 DRIVER



IGNITION SWITCH

IGNITION SWITCH - BLACK 14 WAY

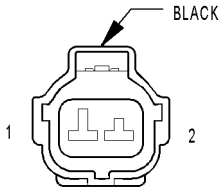
CAV	CIRCUIT	FUNCTION
1	A2 12PK/BK	FUSED B(+)
2	A51 16RD/WT	FUSED B(+)
3	A21 16DB	FUSED IGNITION SWITCH OUTPUT (RUN-START)
4	A1 16RD	FUSED B(+)
5	G26 20LB	KEY-IN IGNITION SWITCH SENSE
6	Z42 20BK/DG	GROUND
7	A22 16BK/OR	FUSED B(+)
8	C1 12DG	BLOWER MOTOR FEED
9	A31 14DB	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)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

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

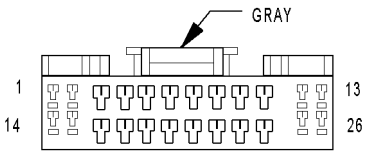
CAV	CIRCUIT	FUNCTION
1	Y502 18DG/YL	INLET AIR TEMPERATURE/PRESSURE RETURN
2	Y523 18VT/WT	INLET AIR TEMPERATURE SENSE
3	Y501 18DB/YL	SUPPLY VOLTAGE
4	Y503 18GY/BR	INLET AIR PRESSURE SENSE



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

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

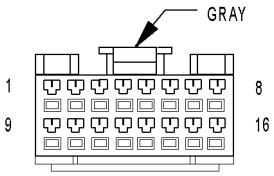
CAV	CIRCUIT	FUNCTION
1	T52 18RD/BK	INPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



INSTRUMENT CLUSTER C1

INSTRUMENT CLUSTER C1 - GRAY 26 WAY

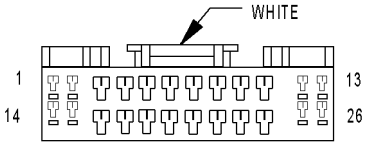
CAV	CIRCUIT	FUNCTION
1	F35 18RD	FUSED B(+)
2	Y200 18TN/VT	DOOR LOCK DRIVER RIGHT DOORS
3	Y204 18OR/WT	BTSI SOLENOID CONTROL
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	G10 20LG/RD	SEAT BELT SWITCH SENSE
11	Y156 18TN/WT	DOOR UNLOCK DRIVER RIGHT DOORS
12	Y201 18TN/OR	DOOR UNLOCK DRIVER LEFT REAR
13	Z105 18TN/BK	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

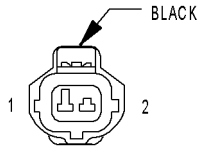
CAV	CIRCUIT	FUNCTION
1	Y109 20VT/OR	WASH/BEAM SELECT SWITCH FEED
2	P96 20WT/LG	PASSENGER DOOR LOCK SWITCH MUX
3	P97 20WT/DG	DRIVER DOOR LOCK SWITCH MUX
4	Y111 20VT/WT	PANEL LAMPS DIMMER SIGNAL
5	Y126 20VT/YL	HEADLAMP SWITCH RETURN
6	G72 20DG/OR	PASSENGER CYLINDER LOCK SWITCH MUX
7	G73 20LG/OR	DRIVER 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

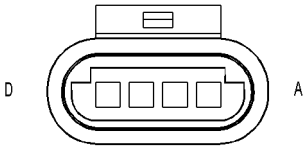
CAV	CIRCUIT	FUNCTION
1	M3 20 PK/DB	CARGO LAMP DRIVER
2	-	-
3	M20 20BR	COURTESY LAMP DRIVER
4	M11 20PK/LB	COURTESY LAMP GROUND
5	-	-
6	Y165 20OR/YL	PANEL LAMPS DRIVER
7	-	-
8	Y108 20VT/BR	WIPER/TURN/BEAM SELECT SWITCH RETURN
9	Y167 20WT/DB	HEADLAMP SWITCH RETURN
10	Y128 20DG/GY	TRANS RANGE SENSOR ELECTRONIC 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

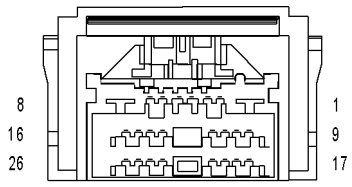
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL



INTAKE AIR TEMPERATURE/ MANIFOLD ABSOLUTE PRESSURE SENSOR (DIESEL)

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

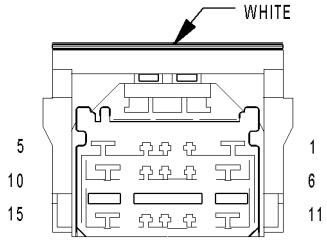
CAV	CIRCUIT	FUNCTION
A	K55 18LB/WT	MAP SENSOR SIGNAL
B	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL
C	K72 18DG/OR	5 VOLT SUPPLY
D	K9 18LB	5 VOLT SUPPLY



INTEGRATED
POWER
MODULE C1

INTEGRATED POWER MODULE C1 - 26 WAY

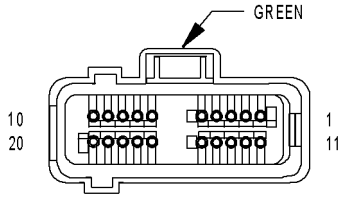
CAV	CIRCUIT	FUNCTION
1	A112 12RD/TN (DIESEL)	FUSED B(+)
1	A17 16RD/BK (EXCEPT DIESEL)	FUSED B(+)
2	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	A20 20RD/DB	FUSED IGNITION SWITCH OUTPUT (RUN)
5	Y141 18DG/WT	TRAILER TOW LEFT TURN RELAY OUTPUT
6	-	-
7	Y140 18WT/PK	TRAILER TOW RIGHT TURN 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

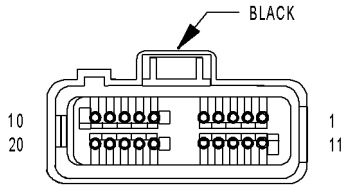
CAV	CIRCUIT	FUNCTION
1	A30 10RD/WT (EXCEPT BASE)	FUSED B(+)
2	A34 16LB/RD (ETC)	FUSED B(+)
3	Y148 18YL/RD	FUSED B(+)
4	A61 16DG/BK (3.9L/5.7L/5.9L)	FUEL PUMP RELAY OUTPUT
5	F37 12RD/LB (EXCEPT BASE)	FUSED B(+)
6	A2 10PK/BK	FUSED B(+)
7	A14 20RD/WT	FUSED B(+)
8	A10 14RD/DG	FUSED B(+)
9	A12 18RD/TN	FUSED 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

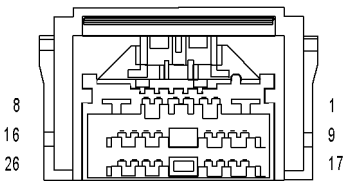
CAV	CIRCUIT	FUNCTION
1	V10 20BR	WASHER PUMP MOTOR SENSE
2	L62 18BR/RD	RIGHT REAR TURN LAMP DRIVER
3	Z21 18BK/LG	GROUND
4	D25 20VT/PK	PCI BUS
5	Z12 18BK/TN	GROUND
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	L1 18VT/BK	BACKUP LAMP FEED
12	-	-
13	-	-
14	G31 20VT/LG (EXCEPT BASE)	AMBIENT TEMPERATURE SENSOR SIGNAL
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

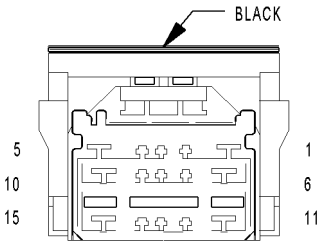
CAV	CIRCUIT	FUNCTION
1	Z2 18BK/LG	GROUND
2	L22 18LB/WT	RIGHT STOP LAMP DRIVER
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	Y134 20GY/RD (3.7L/5.9L)	FUSED IGNITION SWITCH OUTPUT (RUN-START)
11	K173 20LG (DIESEL)	GROUND
12	V5 20DG	WIPER PARK SWITCH SENSE
13	-	-
14	-	-
15	G29 20BK/TN	WASHER FLUID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

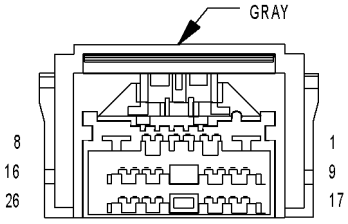
CAV	CIRCUIT	FUNCTION
1	A38 16OR	FUSED IGNITION SWITCH OUTPUT (RUN)
2	K173 18LG (GAS EXCEPT 5.9L)	GROUND
2	K173 18LG (5.9L)	GROUND
2	K173 20LG (DIESEL)	GROUND
3	-	-
4	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
5	C23 16DG	CONDENSER FAN RELAY OUTPUT
6	F15 20DB (DIESEL)	FUSED IGNITION SWITCH OUTPUT (RUN)
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

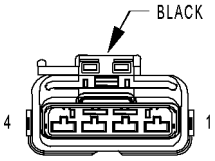
CAV	CIRCUIT	FUNCTION
1	-	-
2	Y133 14RD/OR	FUSED B(+)
3	-	-
4	A142 16DG/OR	AUTO SHUT DOWN RELAY OUTPUT
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	A93 12RD/BK (DIESEL)	FUEL HEATER RELAY OUTPUT
10	C23 16DG (EXCEPT DIESEL)	
11	A112 12RD/TN (DIESEL)	FUSED B(+)
11	A17 16RD/BK (EXCEPT DIESEL)	
12	A31 14BK/WT	FUSED IGNITION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



INTEGRATED
POWER
MODULE C7

INTEGRATED POWER MODULE C7 - GRAY 26 WAY

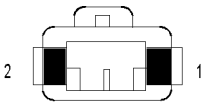
CAV	CIRCUIT	FUNCTION
1	T40 14BR	STARTER MOTOR RELAY OUTPUT
2	V3 16BR/WT	WIPER RELAY LOW SPEED OUTPUT
3	Y105 20BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
4	F235 18RD	FUSED B(+)
5	-	-
6	Y171 18WT/DG	LEFT LOW BEAM DRIVER
7	Y168 18WT/LB	RIGHT HIGH BEAM DRIVER
8	-	-
9	A64 16DG/WT	FUEL PUMP RELAY OUTPUT
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)

KNOCK SENSOR (3.7L) - BLACK 4 WAY

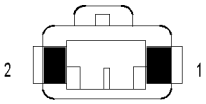
CAV	CIRCUIT	FUNCTION
1	K73 18YL/BK	KNOCK SENSOR NO. 1 SIGNAL
2	K4 18BK/LB	SENSOR GROUND
3	K74 18BR/VT	KNOCK SENSOR NO. 2 SIGNAL
4	K4 18BK/LB	SENSOR GROUND



KNOCK SENSOR-LEFT (5.7L)

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

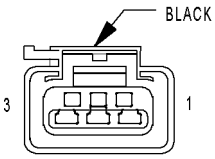
CAV	CIRCUIT	FUNCTION
1	K73 18YL/BK	KNOCK SENSOR NO. 1 SIGNAL
2	Y205 18BR/WT	KNOCK SIGNAL RETURN



KNOCK SENSOR-RIGHT (5.7L)

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

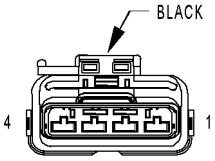
CAV	CIRCUIT	FUNCTION
1	K74 18BR/VT	KNOCK SENSOR NO. 2 SIGNAL
2	Y206 18DB/VT	kNOCK SIGNAL RETURN



LEAK DETECTION PUMP (NGC)

LEAK DETECTION PUMP (NGC) - BLACK 3 WAY

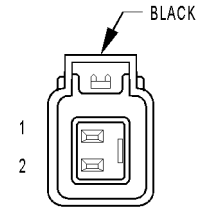
CAV	CIRCUIT	FUNCTION
1	Z54 18BK/PK	GROUND
2	K107 18OR	NVLD SWITCH SIGNAL
3	K106 18WT/DG	NVLD SOLENOID CONTROL



LEAK DETECTION PUMP

LEAK DETECTION PUMP - BLACK 4 WAY

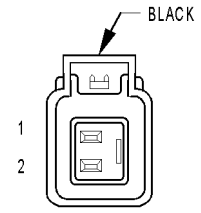
CAV	CIRCUIT	FUNCTION
1	-	-
2	K125 18WT/DB	GENERATOR SOURCE
3	K106 18WT/DG	LEAK DETECTION PUMP SWITCH SENSE
4	K107 18OR	LEAK DETECTION PUMP SOLENOID CONTROL



LICENSE LAMP-LEFT

LICENSE LAMP-LEFT - BLACK 2 WAY

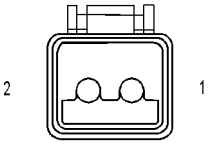
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	Z53 18BK	GROUND



LICENSE LAMP-RIGHT

LICENSE LAMP-RIGHT - BLACK 2 WAY

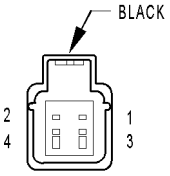
CAV	CIRCUIT	FUNCTION
1	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
2	Z53 18BK	GROUND



LIFT PUMP MOTOR (DIESEL)

LIFT PUMP MOTOR (DIESEL) - 2 WAY

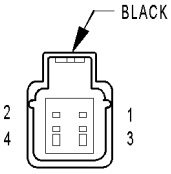
CAV	CIRCUIT	FUNCTION
1	K62 18BK/OR	LIFT PUMP FEED
2	Z11 18BK/WT	GROUND



LINE PRESSURE SENSOR (3.7L/5.7L)

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

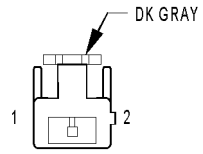
CAV	CIRCUIT	FUNCTION
1	Z113 18BK	GROUND
2	T39 18GY/LB	5 VOLT SUPPLY
3	T38 18VT/TN	LINE PRESSURE SENSOR SIGNAL
4	-	-



LINE PRESSURE SENSOR (4.7L)

LINE PRESSURE SENSOR (4.7L) - BLACK 4 WAY

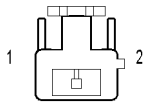
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K6 18VT/WT	5 VOLT SUPPLY
3	T38 18VT/TN	LINE PRESSURE SENSOR SIGNAL
4	-	-



LUMBAR MOTOR-DRIVER

LUMBAR MOTOR-DRIVER - DK GRAY 2 WAY

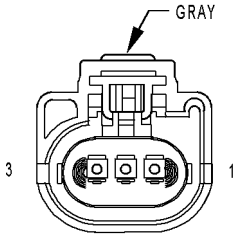
CAV	CIRCUIT	FUNCTION
1	P106 12DG/WT	LUMBAR MOTOR FORWARD
2	P107 12OR/BK	LUMBAR MOTOR REARWARD



LUMBAR MOTOR-PASSENGER

LUMBAR MOTOR-PASSENGER - 2 WAY

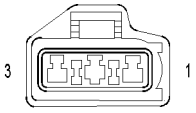
CAV	CIRCUIT	FUNCTION
1	P105 12LG/DB	LUMBAR MOTOR FORWARD
2	P104 12YL/LB	LUMBAR MOTOR REARWARD



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

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

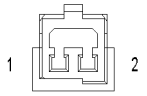
CAV	CIRCUIT	FUNCTION
1	K1 18DG/RD	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
2	K4 18BK/LB	SENSOR GROUND
2	K4 20BK/LB (NGC)	SENSOR GROUND
3	K7 18OR	5 VOLT SUPPLY
3	K6 18VT/WT (NGC)	5 VOLT SUPPLY



MANIFOLD ABSOLUTE PRESSURE SENSOR (5.9L/8.0L)

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

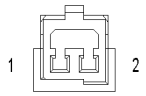
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
1	K7 18OR (8.0L)	5 VOLT SUPPLY
2	K1 18DG/RD	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
2	K4 18BK/LB (8.0L)	SENSOR GROUND
3	K1 18DG/RD (8.0L)	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL
3	K7 18OR	5 VOLT SUPPLY



MODE DOOR ACTUATOR 1 (PANEL TO FLOOR)

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

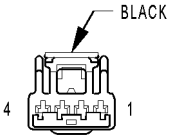
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C35 20DG/YL	MODE DOOR 1 DRIVER



MODE DOOR ACTUATOR 2 (DEFROST TO FLOOR)

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

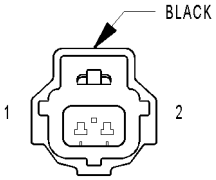
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C33 20DB/RD	MODE DOOR 2 DRIVER



MULTI-FUNCTION SWITCH

MULTI-FUNCTION SWITCH - BLACK 4 WAY

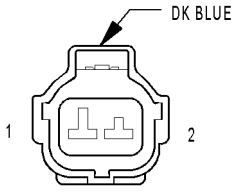
CAV	CIRCUIT	FUNCTION
1	Y109 20VT/OR	WASH/BEAM SELECT SWITCH SIGNAL
2	Y108 20VT/BR	WIPER/TURN/BEAM SELECT SWITCH RETURN
3	Y110 20WT/VT	TURN LAMPS SWITCH SIGNAL
4	V8 20VT	INTERMITTENT WIPER SWITCH SIGNAL



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

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

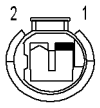
CAV	CIRCUIT	FUNCTION
1	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



OUTPUT SPEED SENSOR (5.9L)

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

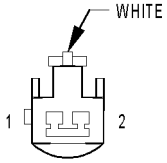
CAV	CIRCUIT	FUNCTION
1	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



OUTPUT SPEED SENSOR (DIESEL)

OUTPUT SPEED SENSOR (DIESEL) - 2 WAY

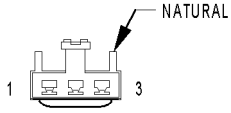
CAV	CIRCUIT	FUNCTION
1	T14 18LG/WT	OUTPUT SPEED SENSOR SIGNAL
2	T13 18DB/BK	SPEED SENSOR GROUND



OVERDRIVE SWITCH

OVERDRIVE SWITCH - WHITE 2 WAY

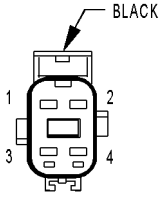
CAV	CIRCUIT	FUNCTION
1	T6 20OR/WT	OVERDRIVE OFF SWITCH SENSE
2	Z71 20BK/TN	GROUND



OVERHEAD MAP/READING LAMP (EXCEPT BASE)

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

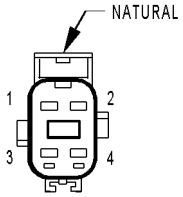
CAV	CIRCUIT	FUNCTION
1	M11 20PK/LB	COURTESY LAMP GROUND
2	F32 18RD/YL	FUSED B(+)
3	M20 20BR	COURTESY LAMP DRIVER



OXYGEN SENSOR 1/1 UPSTREAM

OXYGEN SENSOR 1/1 UPSTREAM - BLACK 4 WAY

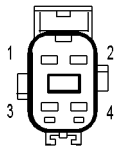
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	FUSED AUTO SHUT DOWN RELAY OUTPUT
1	K41 18BK/DG (NGC)	O2 1/1 HEATER CONTROL
2	Z192 18BK/WT (NGC)	GROUND
2	K199 18BR/VT	OXYGEN SENSOR 1/1 HEATER CONTROL
3	K4 18BK/LB	SENSOR GROUND
3	Y213 18PK/LB (NGC)	O2 UPSTREAM RETURN
4	K99 18BR/OR (NGC)	O2 1/1 SIGNAL
4	K41 18BK/DG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



OXYGEN SENSOR
1/2 DOWNSTREAM

OXYGEN SENSOR 1/2 DOWNSTREAM - NATURAL 4 WAY

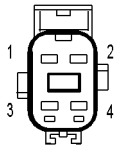
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT (EXCEPT CALIFORNIA)	FUSED AUTO SHUT DOWN RELAY OUTPUT
1	A42 18DG (CALIFORNIA)	OXYGEN SENSOR RELAY OUTPUT
1	K199 18BR/VT (NGC)	O2 1/2 HEATER CONTROL
2	Z188 18BK/LB (NGC)	SENSOR GROUND
2	Z193 18BK/WT (CALIFORNIA)	GROUND
2	K299 18BR/WT (EXCEPT CALIFORNIA)	OXYGEN SENSOR 1/2 HEATER CONTROL
3	K4 18BK/LB	SENSOR GROUND
3	K904 18BR/DG (NGC)	O2 RETURN DOWNSTREAM
4	K141 18TN/WT (NGC)	02 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

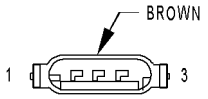
CAV	CIRCUIT	FUNCTION
1	A141 18DG/WT	FUSED AUTO SHUT DOWN RELAY OUTPUT
1	K299 18BR/WT (NGC)	O2 2/1 HEATER CONTROL
2	Z193 18BK/DG (NGC)	GROUND
2	K299 18BR/WT	OXYGEN SENSOR 2/1 HEATER CONTROL
3	K4 18BK/LB	SENSOR GROUND
3	Y213 18PK/LB (NGC)	O2 UPSTREAM RETURN
4	K241 18LG/RD (NGC)	02 2/1 SIGNAL
4	K241 18LG/RD	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

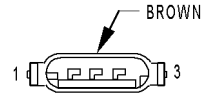
CAV	CIRCUIT	FUNCTION
1	A42 18DG	OXYGEN SENSOR DOWNSTREAM RELAY OUTPUT
1	K399 18BR/GY (NGC)	O2 2/2 HEATER CONTROL
2	Z186 18BK/LB (NGC)	GROUND
2	Z192 18RD	GROUND
3	K4 18DB	SENSOR GROUND
3	K904 18BR/DG (NGC)	O2 RETURN DOWNSTREAM
4	K341 18TN/WT (NGC)	O2 2/2 SIGNAL
4	K341 18OR	OXYGEN SENSOR 2/2 SIGNAL



PARK/TURN SIGNAL LAMP-LEFT FRONT

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

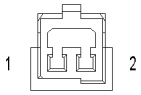
CAV	CIRCUIT	FUNCTION
1	L61 18LG	LEFT FRONT TURN LAMP DRIVER
2	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
3	Z148 18DB/BK	GROUND



PARK/TURN SIGNAL LAMP-RIGHT FRONT

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

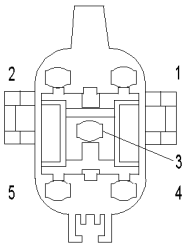
CAV	CIRCUIT	FUNCTION
1	L60 18LG/TN	RIGHT FRONT TURN LAMP DRIVER
2	L7 18BK/YL	HEADLAMP SWITCH OUTPUT
3	Z147 18BK/LB	GROUND



PASSENGER BLEND DOOR ACTUATOR (DUAL-ZONE)

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

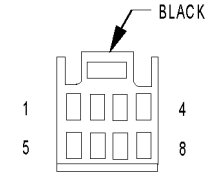
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C46 20YL/LG	PASSENGER BLEND DOOR DRIVER



PASSENGER LUMBAR SWITCH

PASSENGER LUMBAR SWITCH - 5 WAY

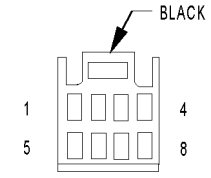
CAV	CIRCUIT	FUNCTION
1	Z238 18BK	GROUND
2	P104 12YL/LB	LUMBAR MOTOR REARWARD
3	F37 12RD/LB	FUSED B(+)
4	P105 12LG/DB	LUMBAR MOTOR FORWARD
5	Z238 18BK	GROUND



POWER MIRROR-LEFT

POWER MIRROR-LEFT - BLACK 8 WAY

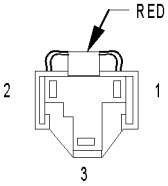
CAV	CIRCUIT	FUNCTION
1	F121 18TN/BK	HEATED MIRROR RELAY OUTPUT
2	P76 20OR/YL	LEFT MIRROR COMMON DRIVER (RIGHT/DOWN)
3	P75 20DB/WT	LEFT MIRROR LEFT DRIVER
4	P71 20YL	LEFT MIRROR UP DRIVER
5	Z310 20BK/OR	GROUND
6	-	-
7	-	-
8	-	-



POWER MIRROR-RIGHT

POWER MIRROR-RIGHT - BLACK 8 WAY

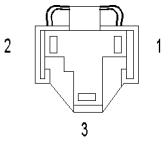
CAV	CIRCUIT	FUNCTION
1	F121 18TN/BK	HEATED MIRROR RELAY OUTPUT
2	P76 20OR/YL	LEFT MIRROR COMMON DRIVER (RIGHT/DOWN)
3	P74 20DB	RIGHT MIRROR LEFT DRIVER
4	P72 20YL/BK	RIGHT MIRROR UP DRIVER
5	Z311 20BK/LB	GROUND
6	-	-
7	-	-
8	-	-



POWER OUTLET

POWER OUTLET - RED 3 WAY

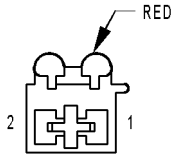
CAV	CIRCUIT	FUNCTION
1	A12 18RD/TN	FUSED B(+)
2	-	-
3	Z300 18BK/LB	GROUND



POWER OUTLET-CONSOLE (EXCEPT BASE)

POWER OUTLET-CONSOLE (EXCEPT BASE) - 3 WAY

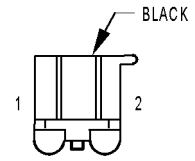
CAV	CIRCUIT	FUNCTION
1	Y148 18BR/YL	FUSED B(+)
2	-	-
3	Z300 18BK/WT	GROUND



POWER SEAT MOTOR-DRIVER FRONT VERTICAL

POWER SEAT MOTOR-DRIVER FRONT VERTICAL - RED 2 WAY

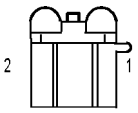
CAV	CIRCUIT	FUNCTION
1	P21 12RD/LG	LEFT SEAT FRONT DOWN
2	P19 12YL/LG	LEFT SEAT FRONT UP



POWER SEAT
MOTOR-DRIVER
HORIZONTAL

POWER SEAT MOTOR-DRIVER HORIZONTAL - BLACK 2 WAY

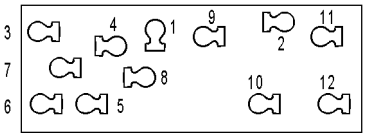
CAV	CIRCUIT	FUNCTION
1	P17 12RD/LB	LEFT SEAT HORIZONTAL REARWARD
2	P15 12YL/LB	LEFT SEAT HORIZONTAL FORWARD



POWER SEAT
MOTOR-DRIVER
REAR VERTICAL

POWER SEAT MOTOR-DRIVER REAR VERTICAL - 2 WAY

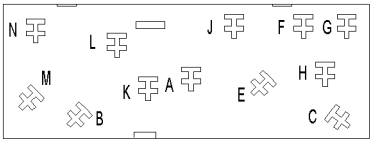
CAV	CIRCUIT	FUNCTION
1	P12 12RD/WT'	RIGHT SEAT REAR DOWN
2	P10 12YL/WT	RIGHT SEAT REAR UP



POWER SEAT
SWITCH-DRIVER

POWER SEAT SWITCH-DRIVER - 12 WAY

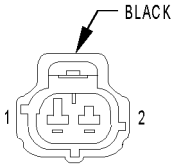
CAV	CIRCUIT	FUNCTION
1	F37 12RD/LB	FUSED B(+)
2	Z238 14BK	GROUND
3	P106 12DG/WT	LUMBAR MOTOR FORWARD
4	P13 12RD/WT	LEFT SEAT REAR DOWN
5	P107 12OR/BK	LUMBAR MOTOR REARWARD
6	Z88 14BK/LB	GROUND
7	F37 12RD/LB	FUSED B(+)
8	P11 12YL/WT	LEFT SEAT REAR UP
9	P17 12RD/LB	LEFT SEAT HORIZONTAL REARWARD
10	P15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

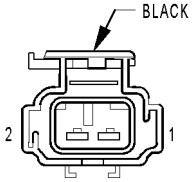
CAV	CIRCUIT	FUNCTION
A	F37 12RD/LB	FUSED B(+)
B	Z238 14BK	GROUND
C	P104 12YL/LB	LUMBAR MOTOR REARWARD
E	P10 12YL/WT	RIGHT SEAT REAR DOWN
F	P105 12LG/DB	LUMBAR MOTOR FORWARD
G	Z238 14BK	GROUND
H	F37 12RD/LB	FUSED B(+)
J	P12 12RD/WT	RIGHT SEAT REAR UP
K	P16 12RD/LB	RIGHT SEAT HORIZONTAL REARWARD
L	P14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

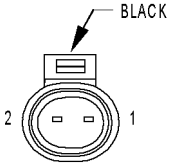
CAV	CIRCUIT	FUNCTION
1	Z244 20BK/DG	GROUND
2	S28 18YL/BK	P/S SWITCH SIGNAL



POWER WINDOW MOTOR-DRIVER

POWER WINDOW MOTOR-DRIVER - BLACK 2 WAY

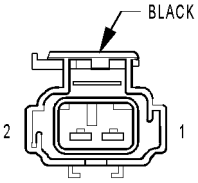
CAV	CIRCUIT	FUNCTION
1	Q21 14WT	LEFT FRONT WINDOW DRIVER (DOWN)
2	Q11 14LB	LEFT FRONT WINDOW DRIVER (UP)



POWER WINDOW MOTOR-LEFT REAR

POWER WINDOW MOTOR-LEFT REAR - BLACK 2 WAY

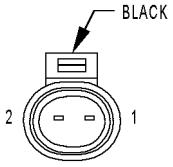
CAV	CIRCUIT	FUNCTION
1	Q23 14RD/WT	DRIVER REAR WINDOW DRIVER (DOWN)
2	Q13 14DB	DRIVER REAR WINDOW DRIVER (UP)



POWER WINDOW MOTOR-PASSENGER

POWER WINDOW MOTOR-PASSENGER - BLACK 2 WAY

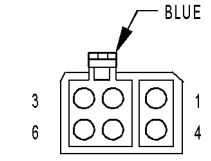
CAV	CIRCUIT	FUNCTION
1	Q22 14VT	RIGHT FRONT WINDOW DRIVER (DOWN)
2	Q12 14BR	RIGHT FRONT WINDOW DRIVER (UP)



POWER WINDOW MOTOR-RIGHT REAR

POWER WINDOW MOTOR-RIGHT REAR - BLACK 2 WAY

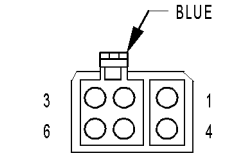
CAV	CIRCUIT	FUNCTION
1	Q24 14RD/WT	PASSENGER REAR WINDOW DRIVER (DOWN)
2	Q12 14DB	PASSENGER REAR WINDOW DRIVER (UP)



POWER WINDOW SWITCH-LEFT REAR

POWER WINDOW SWITCH-LEFT REAR - BLUE 6 WAY

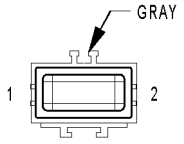
CAV	CIRCUIT	FUNCTION
1	Q13 14DB	DRIVER REAR WINDOW DRIVER (UP)
2	Q27 14RD/BK	LEFT REAR WINDOW DRIVER (DOWN)
3	-	-
4	Q17 14DB/WT	LEFT REAR WINDOW DRIVER (UP)
5	Q23 14RD/WT	DRIVER REAR WINDOW DRIVER (DOWN)
6	Q1 14YL	POWER WINDOW SWITCH FEED



POWER WINDOW SWITCH-RIGHT REAR

POWER WINDOW SWITCH-RIGHT REAR - BLUE 6 WAY

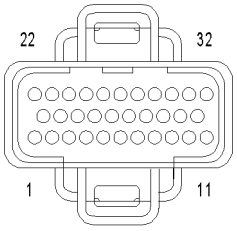
CAV	CIRCUIT	FUNCTION
1	Q12 14DB	PASSENGER REAR WINDOW DRIVER (UP)
2	Q28 14RD/BK	RIGHT REAR WINDOW DRIVER (DOWN)
3	-	-
4	Q18 14DB/WT	RIGHT REAR WINDOW DRIVER (UP)
5	Q24 14RD/WT	PASSENGER REAR WINDOW DRIVER (DOWN)
6	Q1 14YL	POWER WINDOW SWITCH FEED



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)



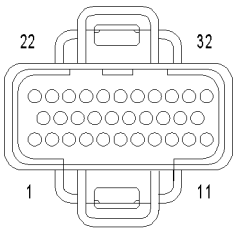
POWERTRAIN CONTROL MODULE C1 (DIESEL)

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

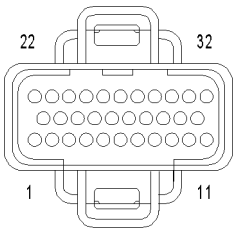
CAV	CIRCUIT	FUNCTION
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	Z82 14BK/TN	GROUND
32	Z81 14BK/TN	GROUND



POWERTRAIN CONTROL MODULE C2 (DIESEL)

POWERTRAIN CONTROL MODULE - C2 (DIESEL) - 32 WAY

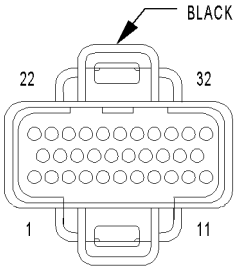
CAV	CIRCUIT	FUNCTION
1	T54 18VT	TRANSMISSION TEMPERATURE SENSOR SIGNAL
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	K88 18VT/WT	GOVERNOR PRESSURE SOLENOID CONTROL
9	-	-
10	-	-
11	K54 18OR/BK	TORQUE CONVERTER CLUTCH SOLENOID CONTROL
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	T60 18BR	3-4 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 C3 (DIESEL)

POWERTRAIN CONTROL MODULE - C3 (DIESEL) - 32 WAY

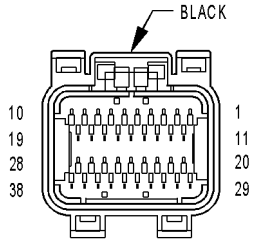
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	V36 18TN/RD	SPEED CONTROL VACUUM SOLENOID CONTROL
5	V35 18LG/RD	SPEED CONTROL VENT SOLENOID CONTROL
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	V32 18YL/RD	SPEED CONTROL SUPPLY
12	T16 14RD	TRANSMISSION CONTROL RELAY OUTPUT
13	T6 18OR/WT	OVERDRIVE OFF SWITCH SENSE
14	-	-
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

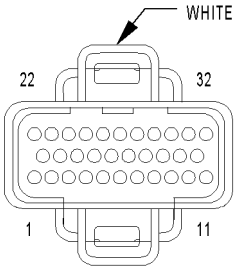
CAV	CIRCUIT	FUNCTION
1	K93 18TN/OR (3.7L)	COIL DRIVER NO. 3
1	K18 18RD/YL (8.0L)	IGNITION COIL NO.1 DRIVER
2	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	K94 18TN/LG (3.7L)	COIL DRIVER NO. 4
3	K32 18YL/GY (8.0L)	IGNITION COIL NO.4 DRIVER
4	K4 18BK/LB	SENSOR GROUND
5	K96 18TN/LB (3.7L)	COIL 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)

POWERTRAIN CONTROL MODULE C1 (NGC) - BLACK 38 WAY

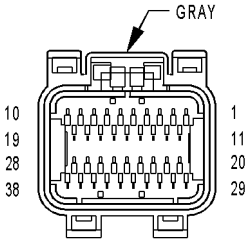
CAV	CIRCUIT	FUNCTION
1	K98 18LB/RD	COIL CONTROL NO.8
2	-	-
3	K97 18BR	COIL CONTROL NO.7
4	K28 18GY/LB	INJECTOR CONTROL NO.8
5	K26 18VT/TN	INJECTOR CONTROL NO.7
6	-	-
7	-	-
8	B222 20DG/WT (5.7L)	VEHICLE SPEED SIGNAL NO. 2
9	Z81 16BK/TN	GROUND
10	-	-
11	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT
12	A51 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)

POWERTRAIN CONTROL MODULE C2 (JTEC) - WHITE 32 WAY

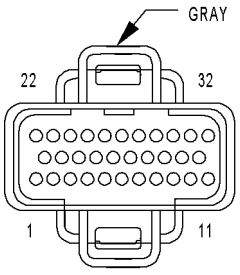
CAV	CIRCUIT	FUNCTION
1	T54 18VT (5.9L/8.0L)	TRANSMISSION TEMPERATURE SENSOR SIGNAL
2	K26 18VT/TN (5.9L/8.0L)	FUEL INJECTOR NO. 7 DRIVER
3	K115 18TN (8.0L)	FUEL INJECTOR NO.9 DRIVER
4	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER
5	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER
6	K38 18GY	FUEL INJECTOR NO. 5 DRIVER
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 (5.9L8.0L)	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

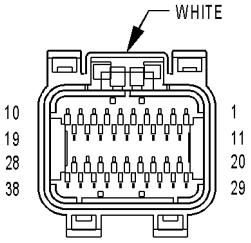
CAV	CIRCUIT	FUNCTION
1	K96 18TN/LB	COIL CONTROL NO.6
2	K95 18TN/DG	COIL CONTROL NO.5
3	K94 18TN/LG	COIL CONTROL NO.4
4	K58 18BR/DB	INJECTOR CONTROL NO.6
5	K38 18GY	INJECTOR CONTROL NO.5
6	F888 18BR/PK (5.7L)	ETC MOTOR (+) CONTROL
7	K93 18TN/OR	COIL CONTROL NO.3
8	-	-
9	K92 18TN/PK	COIL CONTROL NO.3
10	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)

POWERTRAIN CONTROL MODULE C3 (JTEC) - GRAY 32 WAY

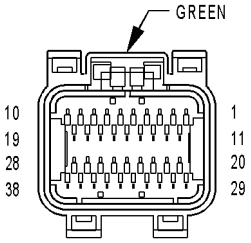
CAV	CIRCUIT	FUNCTION
1	C13 18DB/OR	A/C CLUTCH RELAY CONTROL
2	-	-
3	K51 18DB/YL	AUTO SHUT DOWN RELAY CONTROL
4	V36 18TN/RD	SPEED CONTROL VACUUM SOLENOID CONTROL
5	V35 18LG/RD	SPEED CONTROL VENT SOLENOID CONTROL
6	-	-
7	K73 18YL/BK (3.7L)	KNOCK SENSOR NO. 1 SIGNAL
8	K199 18BR/VT	OXYGEN SENSOR 1/1 HEATER 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

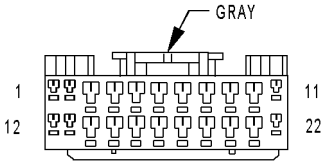
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	K51 20DB.YL	ASD RELAY CONTROL
4	-	-
5	V35 18LG/RD (4.7L)	S/C VENT CONTROL
6	Y145 20DB/YL	CONDENSER FAN RELAY CONTROL
7	V32 20YL/RD (4.7L)	S/C POWER SUPPLY
8	K106 18WT/DG (4.7L)	NVLD SOLENOID CONTROL
9	K199 18BR/VT	O2 1/2 HEATER CONTROL
10	K399 18BR/GY (4.7L)	O2 2/2 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)

POWERTRAIN CONTROL MODULE C4 (NGC) - GREEN 38 WAY

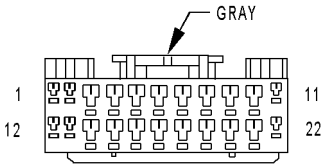
CAV	CIRCUIT	FUNCTION
1	T60 18BR (4.7L)	OVERDRIVE SOLENOID CONTROL
2	T159 18DG/WT (4.7L)	4C SOLENOID CONTROL
3	Y207 18RD/WT (5.7L)	TPS NO. 1 OUTPUT
4	T140 18VT/LG (4.7L)	PRESSURE CONTROL SOLENOID CONTROL
5	Y208 18DB/YL (5.7L)	APPS NO. 1 OUTPUT
6	T119 18WT/DB (4.7L)	2C SOLENOID CONTROL
7	T10 18YL/DG (5.7L)	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)

RADIO (BASE) - GRAY 22 WAY

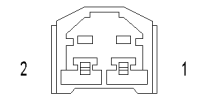
CAV	CIRCUIT	FUNCTION
1	M1 18PK	FUSED B(+)
2	Y105 20BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
3	Y166 20OR/DB	PANEL LAMPS DRIVER
4	-	-
5	-	-
6	-	-
7	X82 18LB/VT	RIGHT FRONT DOOR SPEAKER (+)
8	X80 18LB/BK	RIGHT FRONT DOOR SPEAKER (-)
9	X85 18LG/DG	LEFT FRONT DOOR SPEAKER (-)
10	X87 18LG/RD	LEFT FRONT 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)

RADIO (PREMIUM) - GRAY 22 WAY

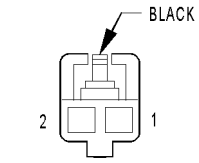
CAV	CIRCUIT	FUNCTION
1	M1 18PK	FUSED B(+)
2	Y105 20BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
3	Y166 20OR/DB	PANEL LAMPS DRIVER
4	-	-
5	-	-
6	-	-
7	X54 20VT	RIGHT FRONT SPEAKER (+)
8	X56 20DB/RD	RIGHT FRONT SPEAKER (-)
9	X55 20BR/RD	LEFT FRONT SPEAKER (-)
10	X53 20DG	LEFT FRONT SPEAKER (+)
11	Z9 18BK/DG	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

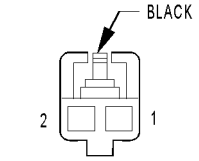
CAV	CIRCUIT	FUNCTION
1	C34 20DB/WT	COMMON DOOR DRIVER
2	C32 20GY/DB	RECIRCULATION DOOR DRIVER



REMOTE RADIO SWITCH-LEFT

REMOTE RADIO SWITCH-LEFT - BLACK 2 WAY

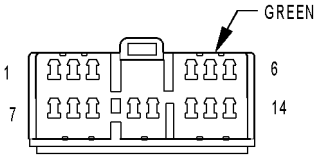
CAV	CIRCUIT	FUNCTION
1	X20 22GY (EXCEPT ETC)	RADIO CONTROL MUX
1	X20 22RD/BK (ETC)	RADIO CONTROL MUX
2	Z5 22BK/LB	GROUND



REMOTE RADIO SWITCH-RIGHT

REMOTE RADIO SWITCH-RIGHT - BLACK 2 WAY

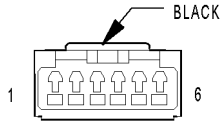
CAV	CIRCUIT	FUNCTION
1	X20 22GY (EXCEPT ETC)	RADIO CONTROL MUX
1	X20 22RD/BK (ETC)	RADIO CONTROL MUX
2	Z5 22BK/LB	GROUND



SEAT HEATER INTERFACE MODULE

SEAT HEATER INTERFACE MODULE - GREEN 14 WAY

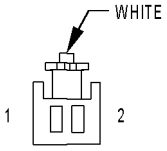
CAV	CIRCUIT	FUNCTION
1	P133 20TN/DG	DRIVER SEAT HEATER MUX SWITCH
2	P86 20PK/BK	SEAT HEATER DRIVER
3	P142 18TN/DB	PASSENGER SEAT TEMPERATURE SENSOR INPUT
4	F235 18RD	FUSED B(+)
5	P141 18TN/LB	DRIVER SEAT TEMPERATURE SENSOR INPUT
6	F235 18RD	FUSED B(+)
7	P144 20BK/LG	PASSENGER SEAT TEMPERATURE 5 VOLT 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

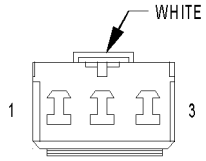
CAV	CIRCUIT	FUNCTION
1	-	-
2	D25 20VT/WT	PCI BUS
3	-	-
4	Y135 20LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
5	Z110 20BK/GY	GROUND
6	A14 20RD/WT	FUSED B(+)



SPEAKER-CENTER INSTRUMENT PANEL

SPEAKER-CENTER INSTRUMENT PANEL - WHITE 2 WAY

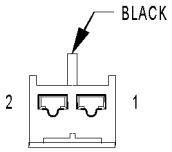
CAV	CIRCUIT	FUNCTION
1	X83 20YL/RD	LEFT INSTRUMENT PANEL SPEAKER (-)
2	X84 20OR/BK	RIGHT INSTRUMENT PANEL SPEAKER (+)



SPEAKER-LEFT FRONT DOOR

SPEAKER-LEFT FRONT DOOR - WHITE 3 WAY

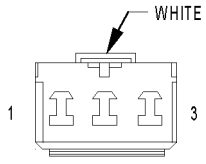
CAV	CIRCUIT	FUNCTION
1	X85 18LG/DG	LEFT FRONT DOOR SPEAKER (-)
2	-	-
3	X87 18LG/RD	LEFT FRONT DOOR SPEAKER (+)



SPEAKER-LEFT INSTRUMENT PANEL

SPEAKER-LEFT INSTRUMENT PANEL - BLACK 2 WAY

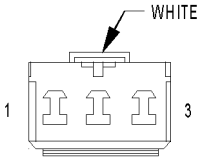
CAV	CIRCUIT	FUNCTION
1	X81 18YL/BK	LEFT INSTRUMENT PANEL SPEAKER (+)
2	X83 18YL/RD	LEFT INSTRUMENT PANEL SPEAKER (-)



SPEAKER-LEFT REAR

SPEAKER-LEFT REAR - WHITE 3 WAY

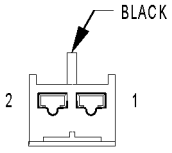
CAV	CIRCUIT	FUNCTION
1	X93 18WT/RD	LEFT REAR SPEAKER (+)
2	-	-
3	X91 18WT/BK	LEFT REAR SPEAKER (-)



SPEAKER-
RIGHT FRONT
DOOR

SPEAKER-RIGHT FRONT DOOR - WHITE 3 WAY

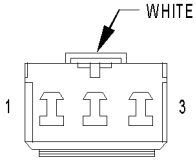
CAV	CIRCUIT	FUNCTION
1	X80 18LB/BK	RIGHT FRONT DOOR SPEAKER (-)
2	-	-
3	X82 18LB/VT	RIGHT FRONT DOOR SPEAKER (+)



SPEAKER-
RIGHT INSTRUMENT
PANEL

SPEAKER-RIGHT INSTRUMENT PANEL - BLACK 2 WAY

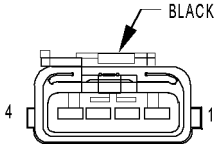
CAV	CIRCUIT	FUNCTION
1	X84 18OR/BK	RIGHT INSTRUMENT PANEL SPEAKER (+)
2	X86 18OR/RD	RIGHT INSTRUMENT PANEL SPEAKER (-)



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

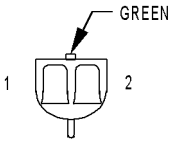
SPEED CONTROL SERVO - BLACK 4 WAY

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)

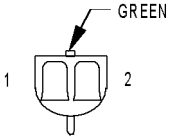
SPEED CONTROL SWITCH-LEFT (EXCEPT ETC) - GREEN 2 WAY

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

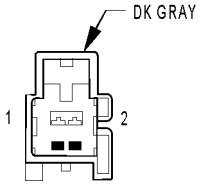
CAV	CIRCUIT	FUNCTION
1	V38 20VT/OR	S/C SWITCH NO.2 SIGNAL
2	Y215 20BK/LB	S/C SWITCH RETURN
3	V37 20RD/LG	S/C SWITCH NO.1 SIGNAL



SPEED CONTROL SWITCH-RIGHT (EXCEPT ETC)

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

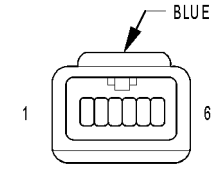
CAV	CIRCUIT	FUNCTION
A	V37 20RD/LG	S/C SWITCH NO.1 SIGNAL
B	K4 20BK/LB	SENSOR GROUND



SWITCH-DRIVER SEAT BELT

SWITCH-DRIVER SEAT BELT - DK GRAY 2 WAY

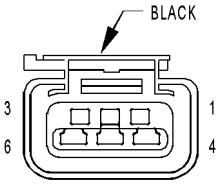
CAV	CIRCUIT	FUNCTION
1	Z237 20BK/OR	GROUND
2	G10 20LG/RD	SEAT BELT SWITCH SENSE



SWITCH-PASSENGER AIRBAG ON-OFF

SWITCH-PASSENGER AIRBAG ON-OFF - BLUE 6 WAY

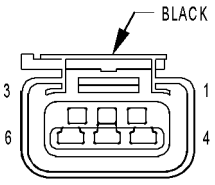
CAV	CIRCUIT	FUNCTION
1	R5 18VT/YL	PASSENGER AIRBAG MUX SWITCH SENSE
2	R4 18BR/YL	PASSENGER AIRBAG MUX SWITCH RETURN
3	R166 18LG/TN	PASSENGER AIRBAG INDICATOR DRIVER
4	F14 18LG/YL	FUSED IGNITION SWITCH OUTPUT (RUN-START)
5	-	-
6	-	-



TAIL/STOP/ TURN SIGNAL LAMP-LEFT

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

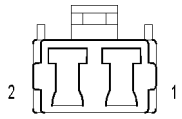
CAV	CIRCUIT	FUNCTION
1	Y174 18PK/VT	FUSED PARK LAMP RELAY OUTPUT
2	-	-
3	Z150 18BK	GROUND
4	L24 18WT/LG	LEFT STOP LAMP FEED
5	L63 18DG/RD	LEFT REAR TURN LAMP DRIVER
6	L1 18VT/BK	BACK-UP LAMP FEED



TAIL/STOP/ TURN SIGNAL LAMP-RIGHT

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

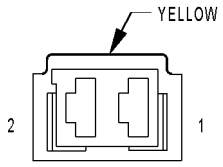
CAV	CIRCUIT	FUNCTION
1	L7 18PK/VT	HEADLAMP SWITCH OUTPUT
2	-	-
3	Z151 18BK	GROUND
4	L22 18WT/LG	RIGHT STOP LAMP FEED
5	L62 18DG/RD	RIGHT REAR TURN LAMP DRIVER
6	L1 18VT/BK	BACK-UP LAMP FEED



TENSION REDUCER-SEAT BELT (STANDARD CAB)

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

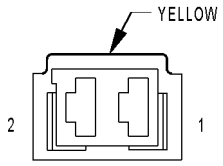
CAV	CIRCUIT	FUNCTION
1	Y105 20BR/RD	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
2	G10 20LG/RD	SEAT BELT SWITCH SENSE



TENSIONER-
LEFT SEAT BELT

TENSIONER-LEFT SEAT BELT - YELLOW 2 WAY

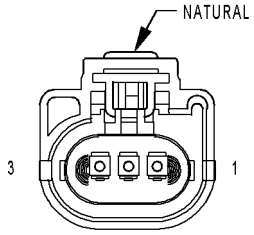
CAV	CIRCUIT	FUNCTION
1	R54 18LB/YL	LEFT SEAT BELT TENSIONER LINE 2
2	R56 18LB/DG	LEFT SEAT BELT TENSIONER LINE 1



TENSIONER-
RIGHT SEAT BELT

TENSIONER-RIGHT SEAT BELT - YELLOW 2 WAY

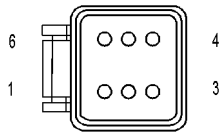
CAV	CIRCUIT	FUNCTION
1	R53 18LG/YL	RIGHT SEAT BELT TENSIONER LINE 2
2	R55 18LG/DG	RIGHT SEAT BELT TENSIONER LINE 1



THROTTLE
POSITION SENSOR

THROTTLE POSITION SENSOR - NATURAL 3 WAY

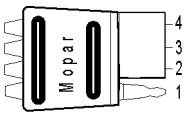
CAV	CIRCUIT	FUNCTION
1	K7 18OR	5 VOLT SUPPLY
2	K22 18OR/DB (4.7L/5.9L)	TP NO.1 SIGNAL
2	K4 18BK/LB (3.7L)	SENSOR GROUND
3	K4 18BK/LB (4.7L/5.9L)	SENSOR GROUND
3	K22 18OR/DB (3.7L)	TP NO.1 SIGNAL



THROTTLE
POSITION
SENSOR
(DIESEL)

THROTTLE POSITION SENSOR (DIESEL) - 6 WAY

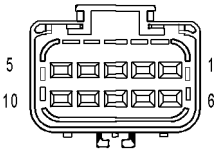
CAV	CIRCUIT	FUNCTION
1	K104 18RD/WT	SENSOR GROUND
2	K101 18WT	THROTTLE POSITION SENSOR RETURN
3	K232 18YL	THROTTLE POSITION SIGNAL
4	K56 18LG/OR	SUPPLY VOLTAGE
5	K900 18DB/DG	SENSOR GROUND
6	K49 18VT/BK	No Function Defined



TRAILER TOW CONNECTOR

TRAILER TOW CONNECTOR - 4 WAY

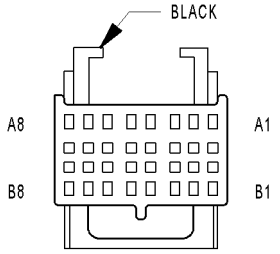
CAV	CIRCUIT	FUNCTION
1	Z52 14BK	GROUND
2	L76 18BK/OR	PARK LAMP RELAY OUTPUT
3	Y141 18YL/PK	TRAILER TOW LEFT TURN RELAY OUTPUT
4	Y140 18WT/PK	TRAILER TOW RIGHT TURN RELAY OUTPUT



TRAILER TOW CONNECTOR-ADD ON

TRAILER TOW CONNECTOR-ADD ON - 10 WAY

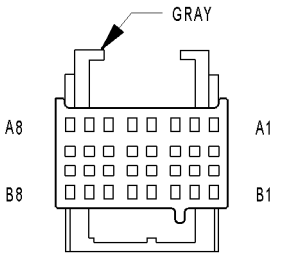
CAV	CIRCUIT	FUNCTION
1	-	-
2	Y140 18WT/PK	TRAILER TOW RIGHT TURN RELAY OUTPUT
3	L1 18VT/BK	BACKUP LAMP FEED
4	Y133 14WT/RD	FUSED B(+)
5	L76 18BK/OR	PARK LAMP RELAY OUTPUT
6	-	-
7	B40 14LB	TRAILER TOW BRAKE B(+)
8	Z52 14BK	GROUND
9	Z52 14BK	GROUND
10	Y141 18YL/PK	TRAILER TOW LEFT TURN RELAY OUTPUT



TRANSFER CASE CONTROL MODULE C1

TRANSFER CASE CONTROL MODULE C1 - BLACK 16 WAY

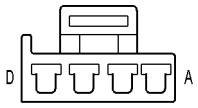
CAV	CIRCUIT	FUNCTION
A1	D25 20VT/DB	PCI BUS
A2	-	-
A3	-	-
A4	Y122 20DG/BR	4WD LOW INDICATOR
A5	Y123 20DG/OR	4WD HIGH INDICATOR
A6	Y120 20YL/DG	MODE SELECT
A7	Y116 20YL/GY	MODE SENSOR GROUND
A8	Z366 18BK/RD	GROUND
B1	-	-
B2	-	-
B3	-	-
B4	Y121 20YL/LG	NEUTRAL INDICATOR
B5	Y187 20RD	2WD/AWD INDICATOR
B6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

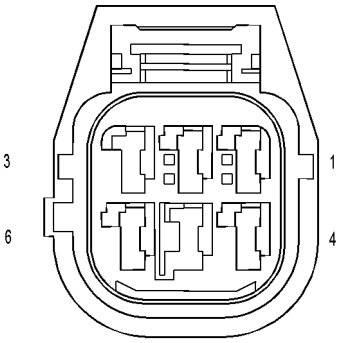
CAV	CIRCUIT	FUNCTION
A1	Y114 20YL/VT	MODE SENSOR B
A2	Y113 20YL/OR	MODE SENSOR A
A3	-	-
A4	-	-
A5	-	-
A6	T24 20BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE (T41)
A7	-	-
A8	Y117 20YL/DB	5 VOLT MODE SENSOR SUPPLY
B1	-	-
B2	Y115 20YL/WT	MODE SENSOR C
B3	-	-
B4	-	-
B5	-	-
B6	-	-
B7	-	-
B8	Y118 20YL/LB	5 VOLT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



TRANSFER CASE CONTROL MODULE C3

TRANSFER CASE CONTROL MODULE C3 - 4 WAY

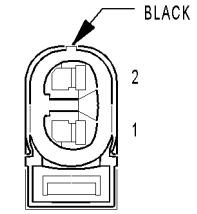
CAV	CIRCUIT	FUNCTION
A	Z21 16BK/LG	GROUND
B	A34 16LB/RD	FUSED B(+)
C	Y124 16DG/VT	SHIFT MOTOR CONTROL A
D	Y125 16DG/WT	SHIFT MOTOR CONTROL B



TRANSFER CASE MODE SENSOR

TRANSFER CASE MODE SENSOR - 6 WAY

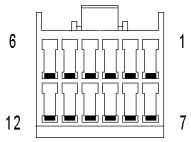
CAV	CIRCUIT	FUNCTION
1	Y112 20YL/BR	MODE SENSOR D
2	Y117 20YL/DB	5 VOLT MODE SENSOR SUPPLY
3	Y114 20YL/VT	MODE SENSOR B
4	Y116 20YL/GY	MODE SENSOR GROUND
5	Y113 20YL/OR	MODE SENSOR A
6	Y115 20 YL/WT	MODE SENSOR C



TRANSFER CASE POSITION SENSOR (4.7L/5.9L)

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

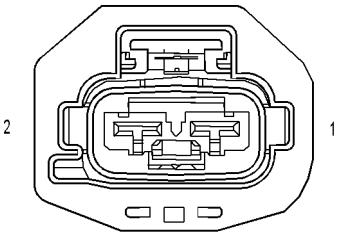
CAV	CIRCUIT	FUNCTION
1	K77 18BR/WT	TRANSFER CASE POSITION SENSOR INPUT
2	K4 18BK/LB	SENSOR GROUND



TRANSFER CASE SELECTOR SWITCH

TRANSFER CASE SELECTOR SWITCH - 12 WAY

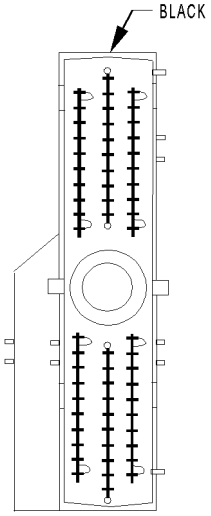
CAV	CIRCUIT	FUNCTION
1	Y118 20YL/LB	5 VOLT SELECTOR SWITCH SUPPLY
2	Y187 20RD	2WD/AWD INDICATOR
3	-	-
4	Y121 20YL/LG	NEUTRAL INDICATOR
5	Y120 20YL/DG	MODE SELECT
6	Y189 20OR/BK	PANEL LAMPS FEED
7	Y107 20VT/RD	FUSED IGNITION SWITCH OUTPUT (RUN)
8	Y122 20DG/BR	4WD LOW INDICATOR
9	Y123 20DG/OR	4WD HIGH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



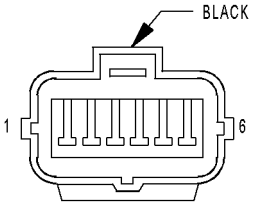
TRANSMISSION CONTROL MODULE

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

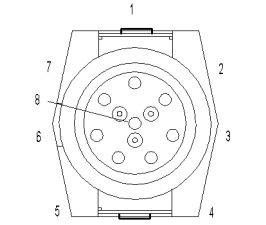
CAV	CIRCUIT	FUNCTION
52	T52 18RD/BK	INPUT SPEED SENSOR SIGNAL
53	Z113 18BK	GROUND
54	T54 18VT	TRANSMISSION TEMPERATURE SENSOR SIGNAL
55	T59 18PK	UNDERDRIVE SOLENOID CONTROL
56	A61 16DG/BK	FUSED B(+)
57	Z13 16BK/RD	GROUND
58	-	-
59	T159 18DG/WT	4C SOLENOID CONTROL
60	T60 18BR	OVERDRIVE SOLENOID CONTROL



TRANSMISSION RANGE SENSOR (5.9L/DIESEL)

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

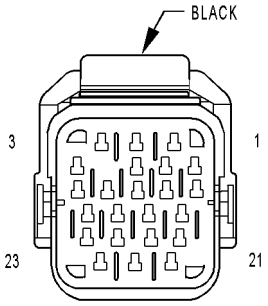
CAV	CIRCUIT	FUNCTION
1	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
2	Y193 20YL/RD	TRANS RANGE SENSOR ELECTRONIC CLUSTER MUX
3	-	-
4	L1 18VT/BK	BACKUP LAMP FEED
5	Y128 20DG/GY	TRANS RANGE SENSOR ELECTRONIC CLUSTER 5 VOLT SUPPLY
6	T24 20BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE (T41)



TRANSMISSION SOLENOID ASSEMBLY (5.9L/8.0L)

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

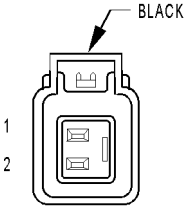
CAV	CIRCUIT	FUNCTION
1	T16 16RD	TRANSMISSION CONTROL RELAY OUTPUT
2	K6 18VT/WT	5 VOLT SUPPLY
3	K4 18BK/LB	SENSOR GROUND
4	T25 18LG/RD	GOVERNOR PRESSURE SENSOR SIGNAL
5	K88 18VT/WT	GOVERNOR PRESSURE SOLENOID CONTROL
6	T60 18BR	3-4 SHIFT SOLENOID CONTROL
7	K54 18OR/BK	TORQUE CONVERTER CLUTCH SOLENOID CONTROL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

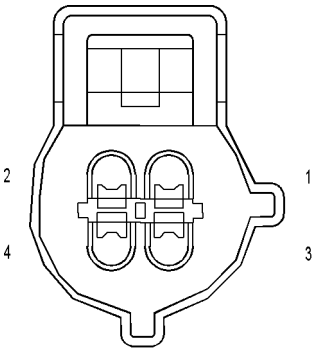
CAV	CIRCUIT	FUNCTION
1	L10 18BR/LG	FUSED IGNITION SWITCH OUTPUT (RUN)
2	T120 18LG	LR SOLENOID CONTROL
3	T24 18BR/YL	TRS T41 SENSE
4	T41 18BK/WT (5.7L)	TRS T41 SENSE
4	T24 20BR/YL (4.7L)	TRS T41 SENSE
5	T42 18VT/WT	TRS T42 SENSE
6	L1 18VT/BK	BACK-UP LAMP FEED
7	T60 18BR	OVERDRIVE SOLENOID CONTROL
8	T3 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

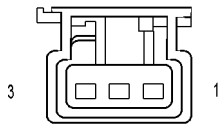
CAV	CIRCUIT	FUNCTION
1	Z235 20LB/BK	GROUND
2	M1 18PK	FUSED B(+)



VACUUM PUMP (DIESEL)

VACUUM PUMP (DIESEL) - 4 WAY

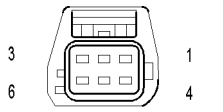
CAV	CIRCUIT	FUNCTION
1	-	-
2	Y135 18LG/BK	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	-	-
4	Z11 18BK/WT	GROUND



VEHICLE SPEED SENSOR (DIESEL)

VEHICLE SPEED SENSOR (DIESEL) - 3 WAY

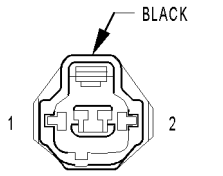
CAV	CIRCUIT	FUNCTION
1	K6 18VT/WT	5 VOLT SUPPLY
2	K167 18BR/TL	ACCELERATOR PEDAL POSITION SENSOR GROUND NO. 1
3	G17 18WT/TN	SPEEDOMETER SIGNAL



VISTRONIC FAN DRIVE (DIESEL)

VISTRONIC FAN DRIVE (DIESEL) - 6 WAY

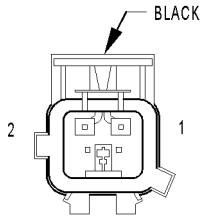
CAV	CIRCUIT	FUNCTION
1	Y1 18LG	PARK LOCKOUT SOLENOID CONTROL
2	K4 18BK/LB	SENSOR GROUND
3	Y5 18OR	FAN SPEED
4	-	-
5	Y3 18WT	SENSOR SUPPLY
6	F15 20DB	FUSED IGNTION SWITCH OUTPUT (RUN)



WASHER FLUID LEVEL SWITCH

WASHER FLUID LEVEL SWITCH - BLACK 2 WAY

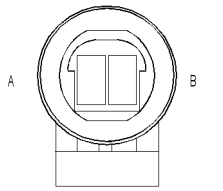
CAV	CIRCUIT	FUNCTION
1	Y137 20VT/LB EXCEPT 8.0L/DIESEL	SENSOR GROUND
2	G29 20BK/TN	WASHER FLUID SWITCH SENSE
2	Y137 20VT/LB 8.0L/DIESEL	SENSOR GROUND



WASHER PUMP MOTOR-FRONT

WASHER PUMP MOTOR-FRONT - BLACK 2 WAY

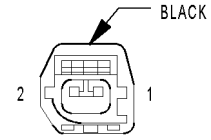
CAV	CIRCUIT	FUNCTION
1	Z216 20BK/VT	GROUND
2	V10 20BR	WASHER PUMP MOTOR CONTROL



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-LEFT FRONT (ABS) - BLACK 2 WAY

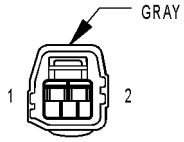
CAV	CIRCUIT	FUNCTION
1	B8 20RD/DB	LEFT FRONT WHEEL SPEED SENSOR (-)
2	B9 20RD	LEFT FRONT WHEEL SPEED SENSOR (+)



WHEEL SPEED SENSOR-REAR (ABS)

WHEEL SPEED SENSOR-REAR (ABS) - 2 WAY

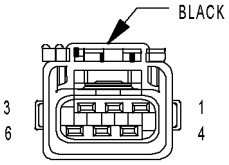
CAV	CIRCUIT	FUNCTION
1	B114 18WT/VT	REAR WHEEL SPEED SENSOR (-)
2	B113 18RD/VT	REAR WHEEL SPEED SENSOR (+)



WHEEL SPEED SENSOR-RIGHT FRONT (ABS)

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

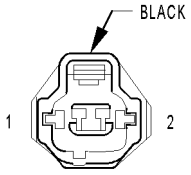
CAV	CIRCUIT	FUNCTION
1	B6 20WT/DB	RIGHT FRONT WHEEL SPEED SENSOR (-)
2	B7 20WT	RIGHT FRONT WHEEL SPEED SENSOR (+)



WIPER MOTOR-FRONT

WIPER MOTOR-FRONT - BLACK 6 WAY

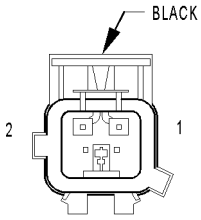
CAV	CIRCUIT	FUNCTION
1	-	-
2	V5 20DG	WIPER PARK SWITCH SENSE
3	Z247 20BK/LB	GROUND
4	Z44 18BK/DG	GROUND
5	V3 16BR/WT	WIPER RELAY LOW SPEED OUTPUT
6	V4 16RD/YL	WIPER RELAY HIGH SPEED OUTPUT



WASHER FLUID LEVEL SWITCH

WASHER FLUID LEVEL SWITCH - BLACK 2 WAY

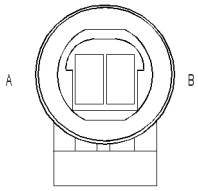
CAV	CIRCUIT	FUNCTION
1	Y137 20VT/LB	SENSOR GROUND
2	G29 20BK/TN	WASHER FLUID SWITCH SENSE



WASHER PUMP MOTOR-FRONT

WASHER PUMP MOTOR-FRONT - BLACK 2 WAY

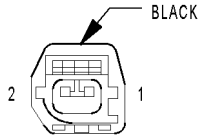
CAV	CIRCUIT	FUNCTION
1	Z216 20BK/VT	GROUND
2	V10 20BR	WASHER PUMP MOTOR CONTROL



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

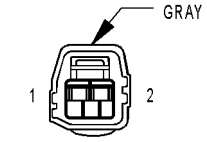
CAV	CIRCUIT	FUNCTION
1	B8 20RD/DB	LEFT FRONT WHEEL SPEED SENSOR (-)
2	B9 20RD	LEFT FRONT WHEEL SPEED SENSOR (+)



WHEEL SPEED SENSOR-REAR (ABS)

WHEEL SPEED SENSOR-REAR (ABS)- 2 WAY

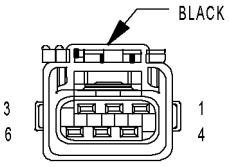
CAV	CIRCUIT	FUNCTION
1	B114 18WT/VT	REAR WHEEL SPEED SENSOR (-)
2	B113 18RD/VT	REAR WHEEL SPEED SENSOR (+)



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

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CONNECTOR/GROUND/SPLICE LOCATION
DESCRIPTION 1

CONNECTOR/GROUND/SPLICE LOCATION

DESCRIPTION

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

CONNECTORS

CONNECTOR NAME/NUMBER	COLOR	LOCATION	FIG.
4WD Switch (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)

SPLICE NUMBER	LOCATION	FIG.
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

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

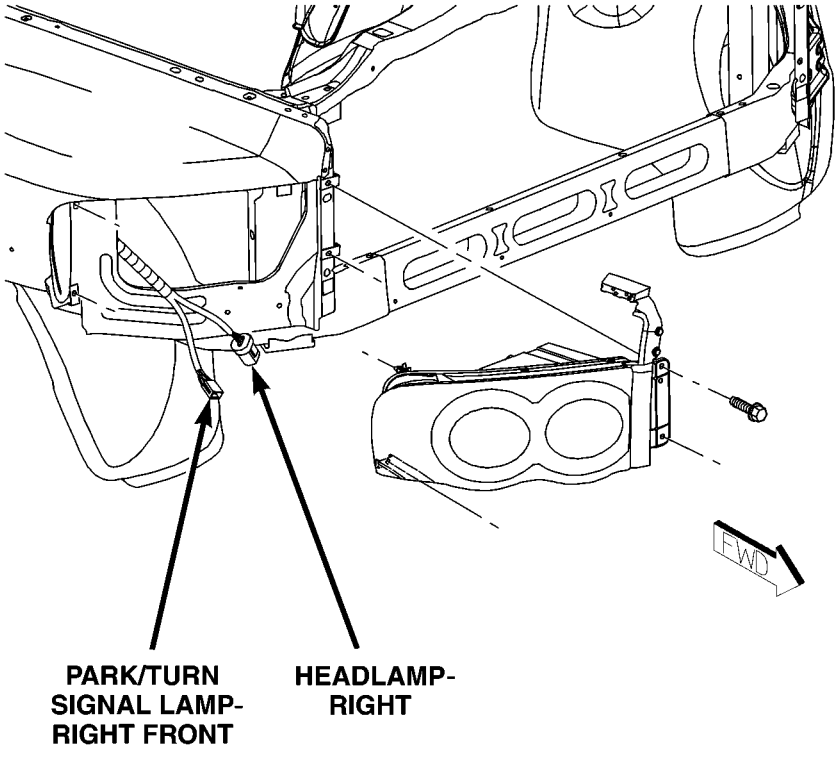


Fig. 1 RIGHT SIDE FRONT LIGHTING

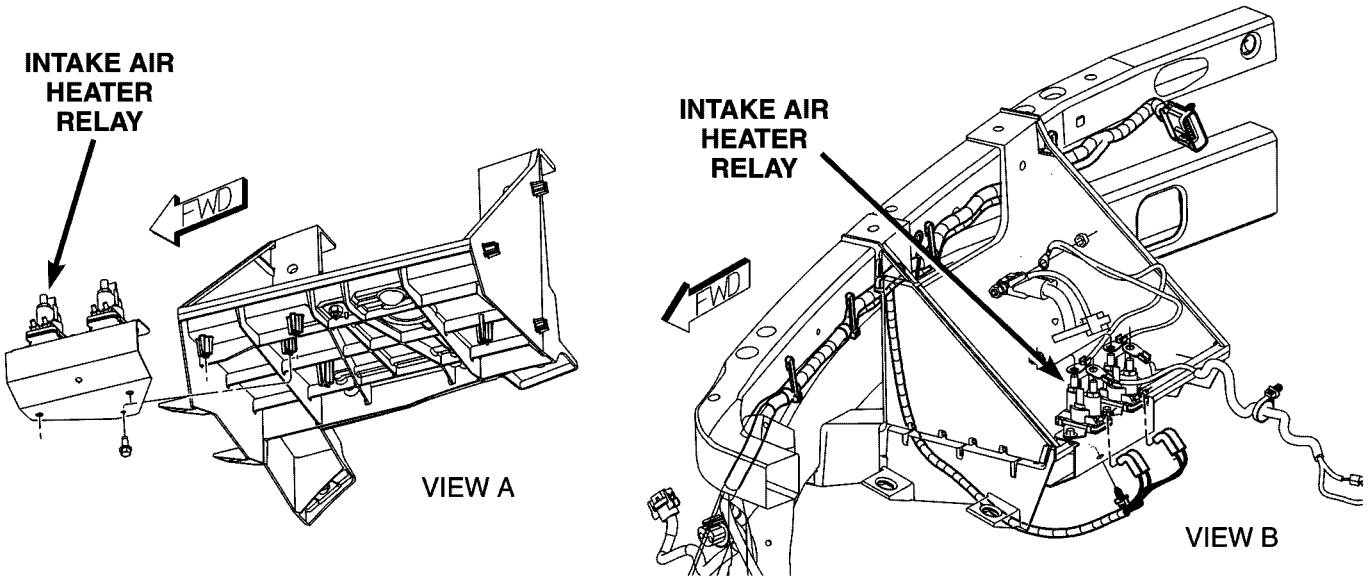


Fig. 2 LEFT FRONT BUMPER AND RIGHT BATTERY TRAY

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

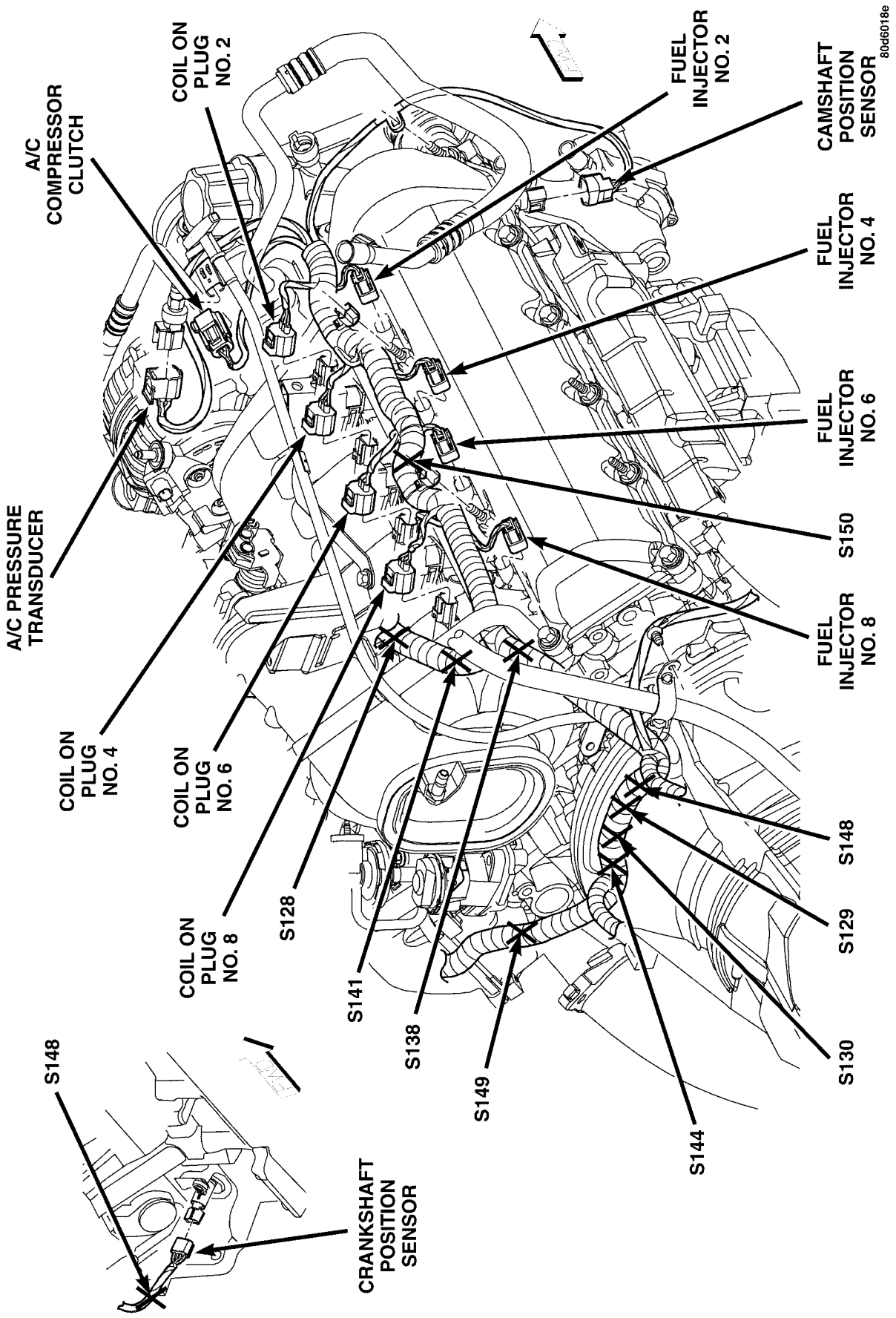


Fig. 3 RIGHT SIDE ENGINE, 4.7L

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

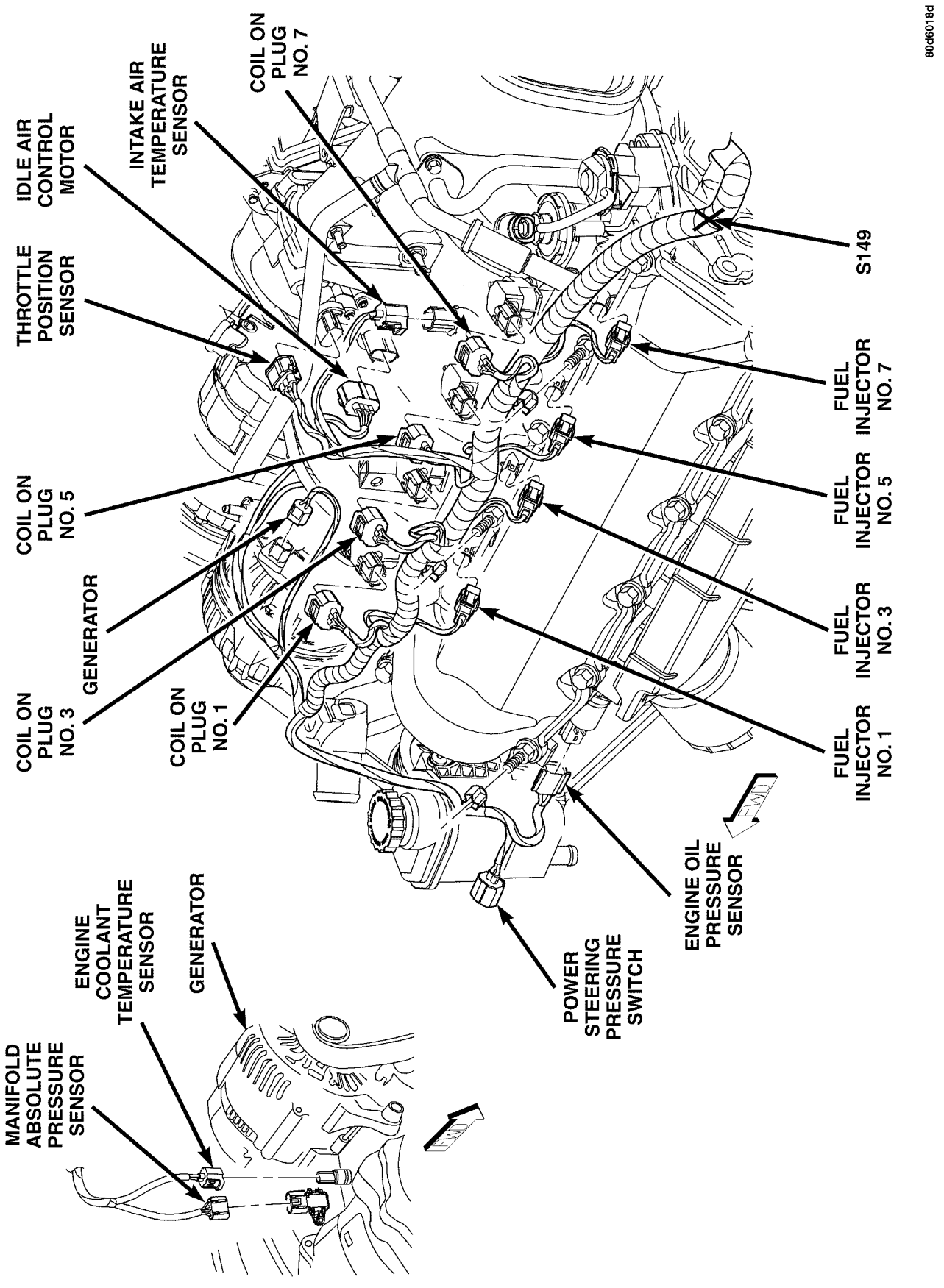


Fig. 4 LEFT SIDE ENGINE, 4.7L

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

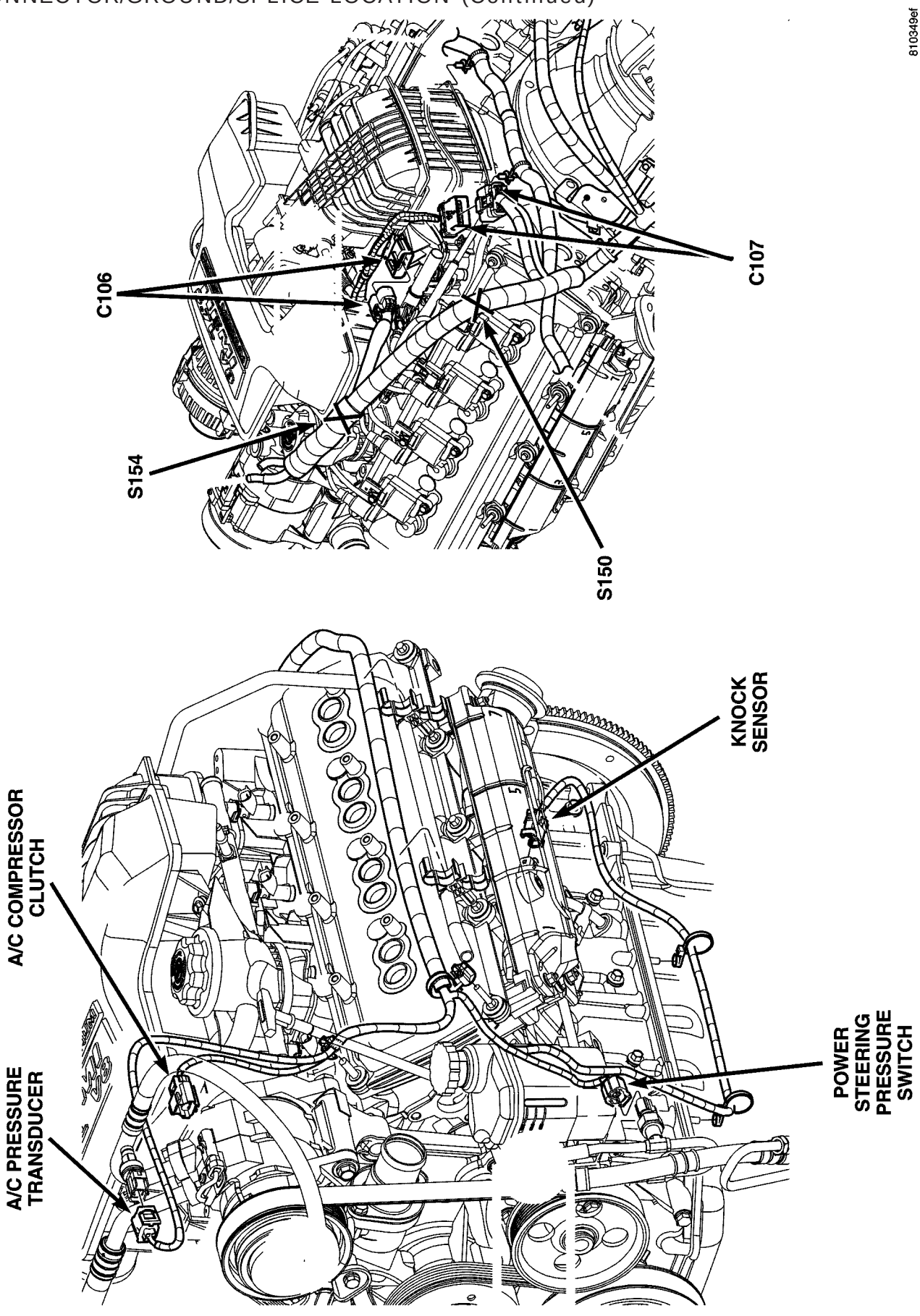


Fig. 5 LEFT SIDE ENGINE (5.7L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

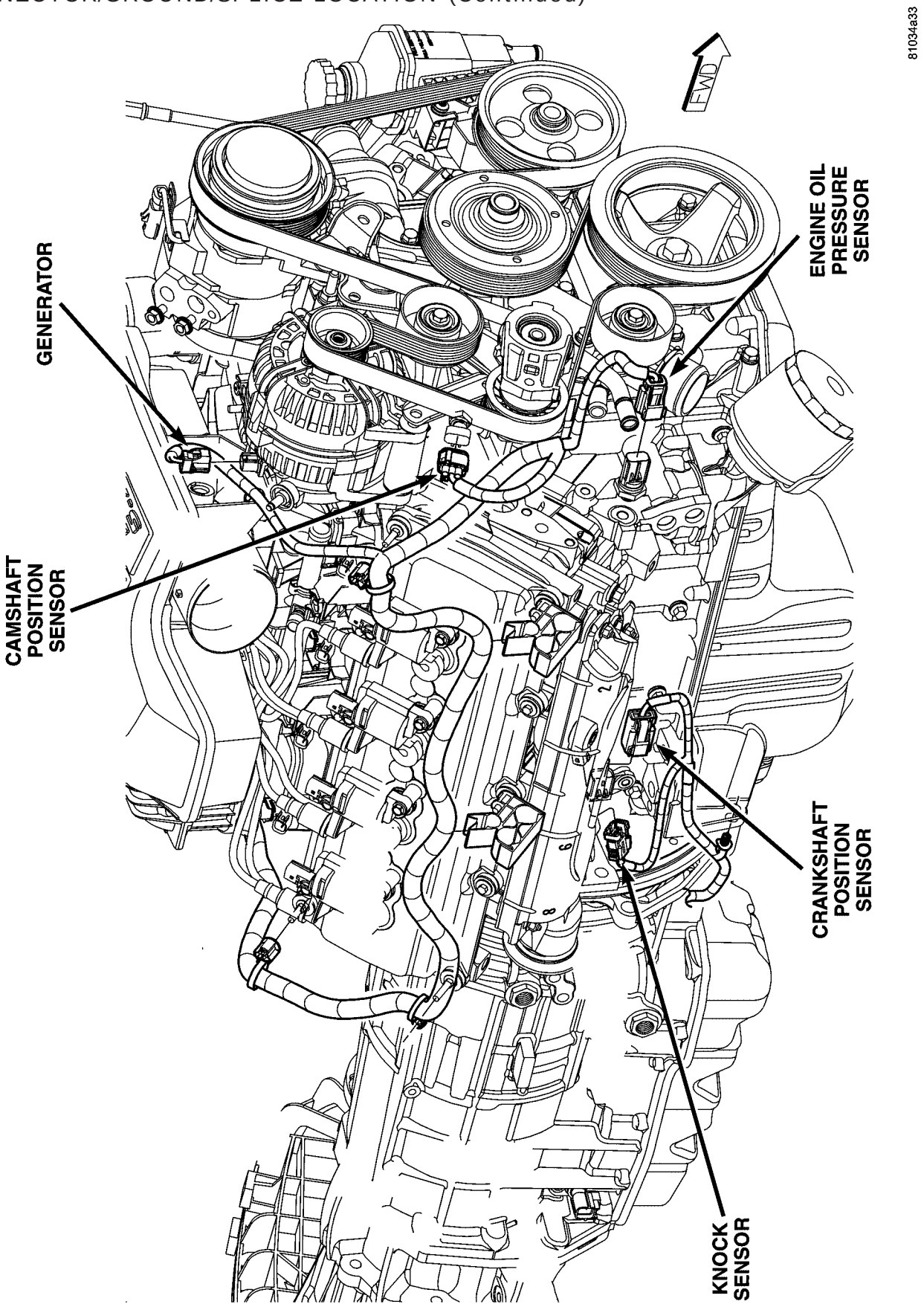


Fig. 6 RIGHT SIDE ENGINE (5.7L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

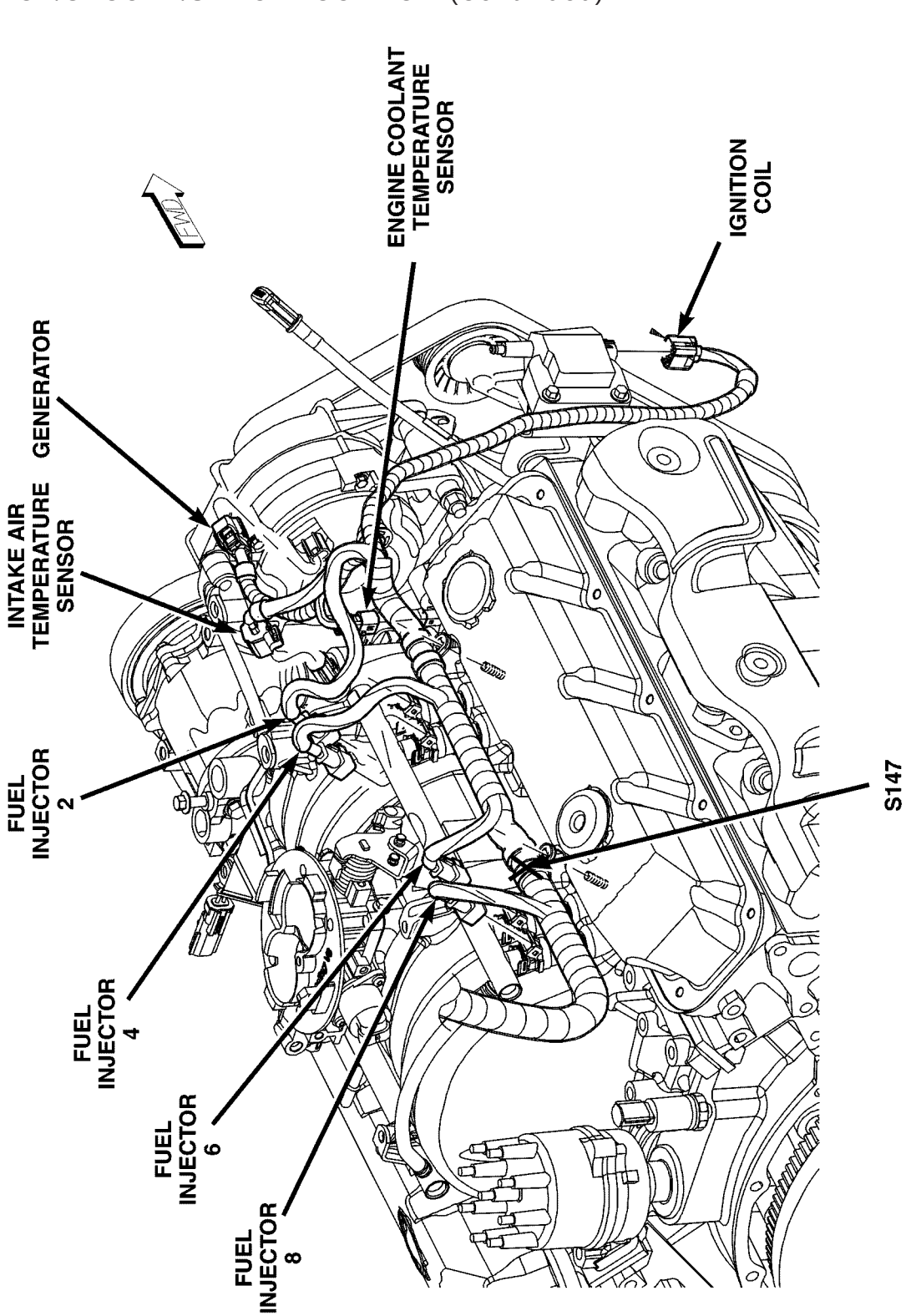


Fig. 7 RIGHT SIDE ENGINE, 5.9L

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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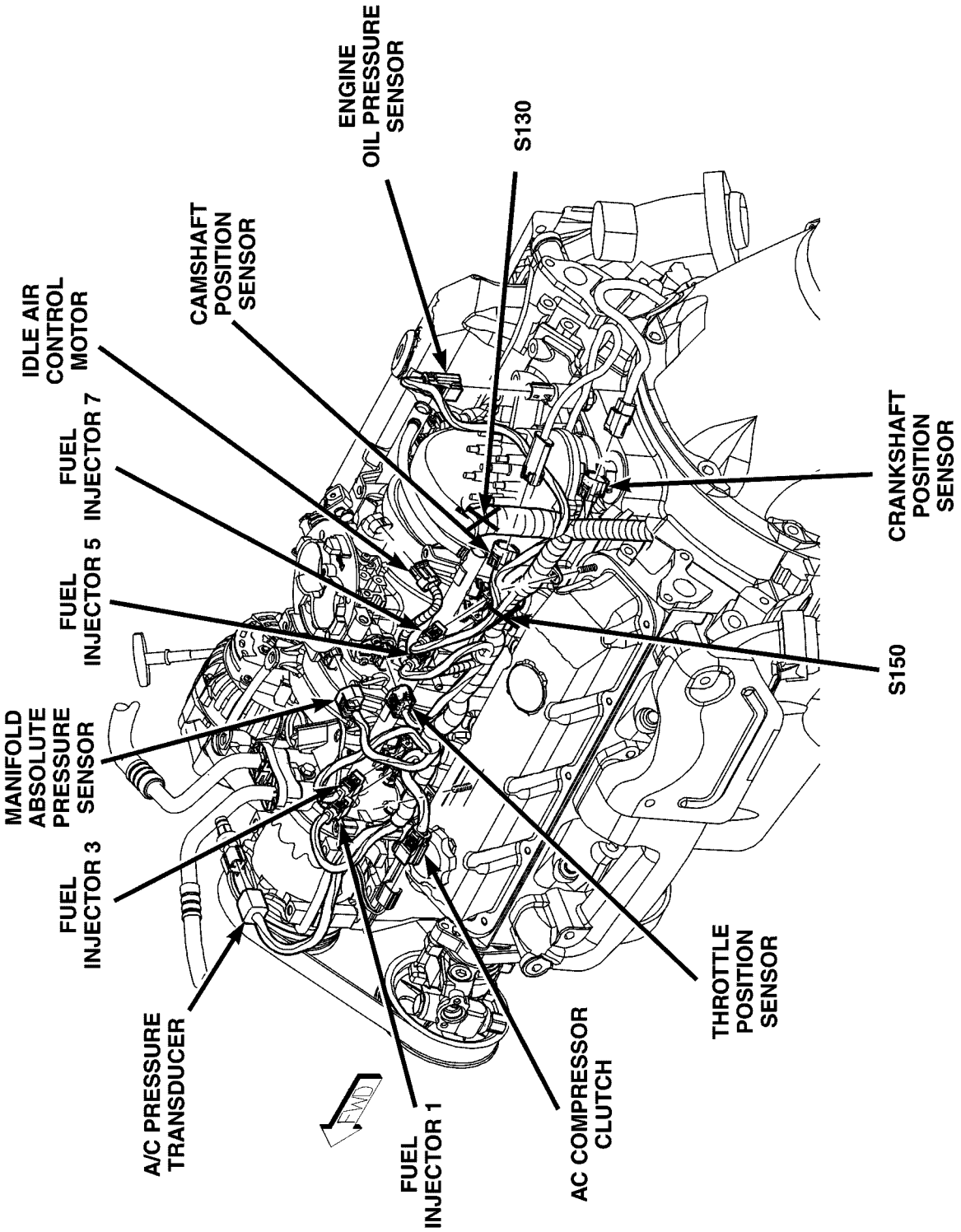


Fig. 8 LEFT SIDE ENGINE, 5.9L

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

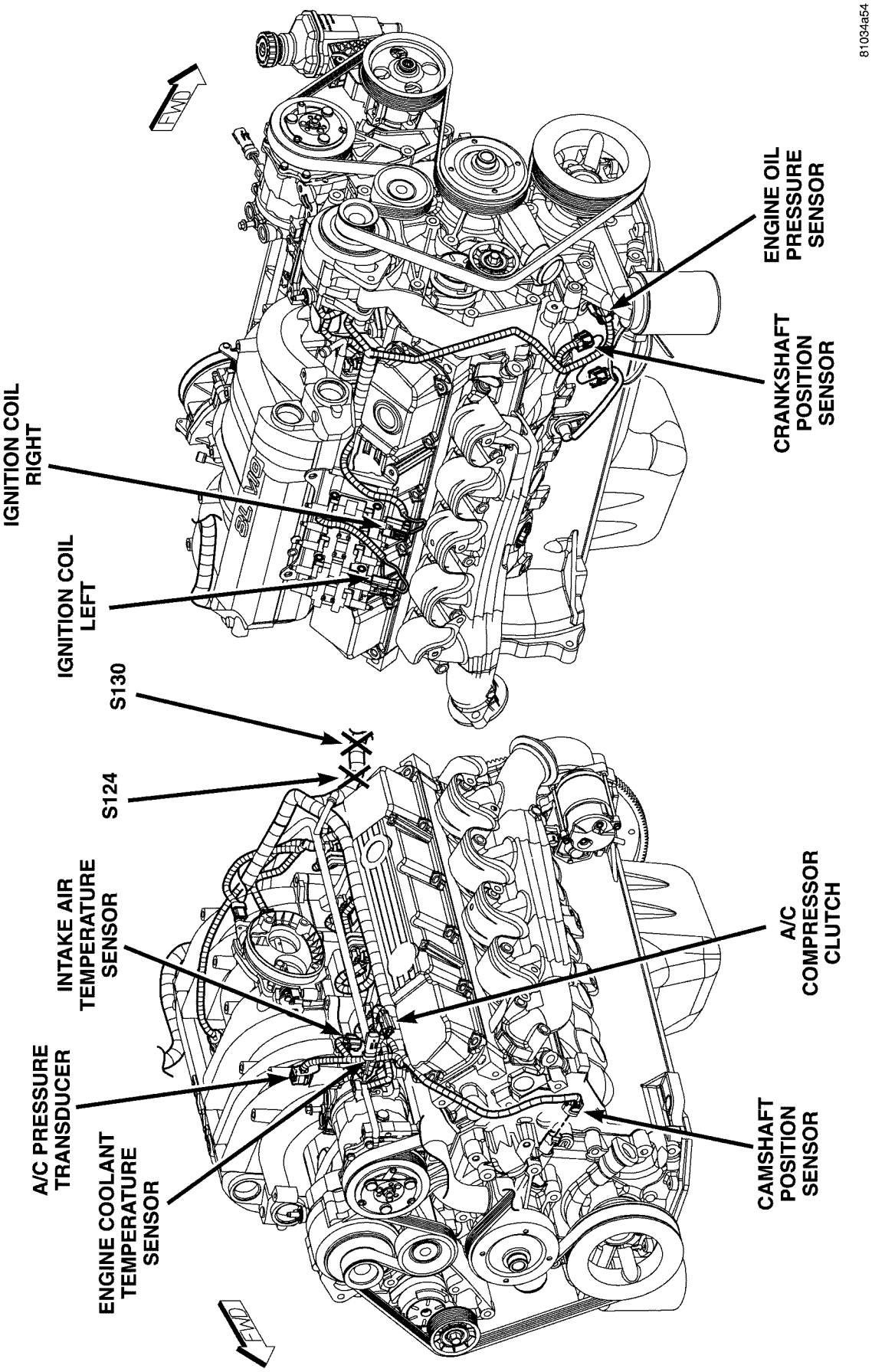


Fig. 9 ENGINE (8.0L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

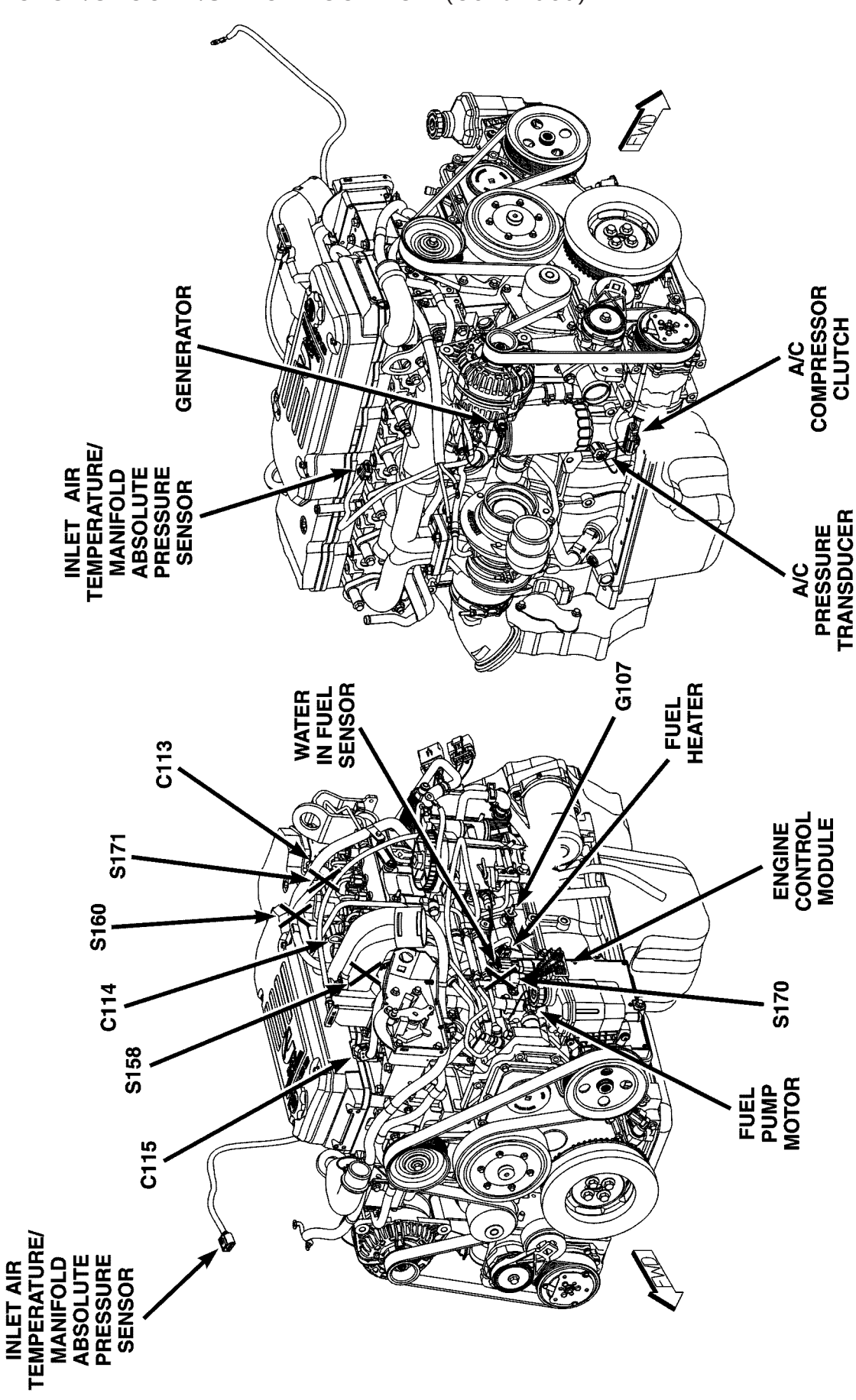


Fig. 10 ENGINE (DIESEL)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

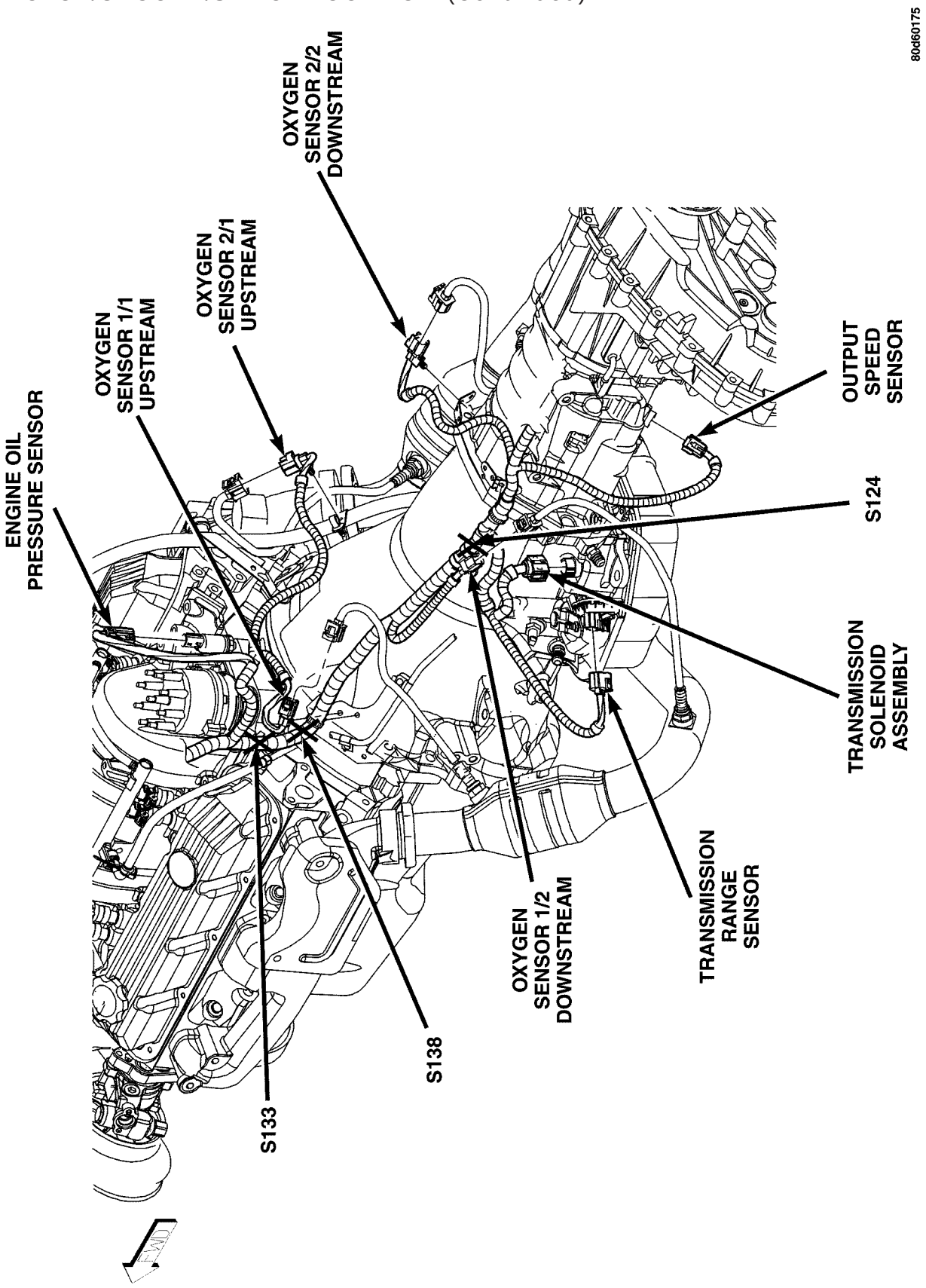


Fig. 11 LEFT SIDE ENGINE AND TRANSMISSION, 5.9L

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

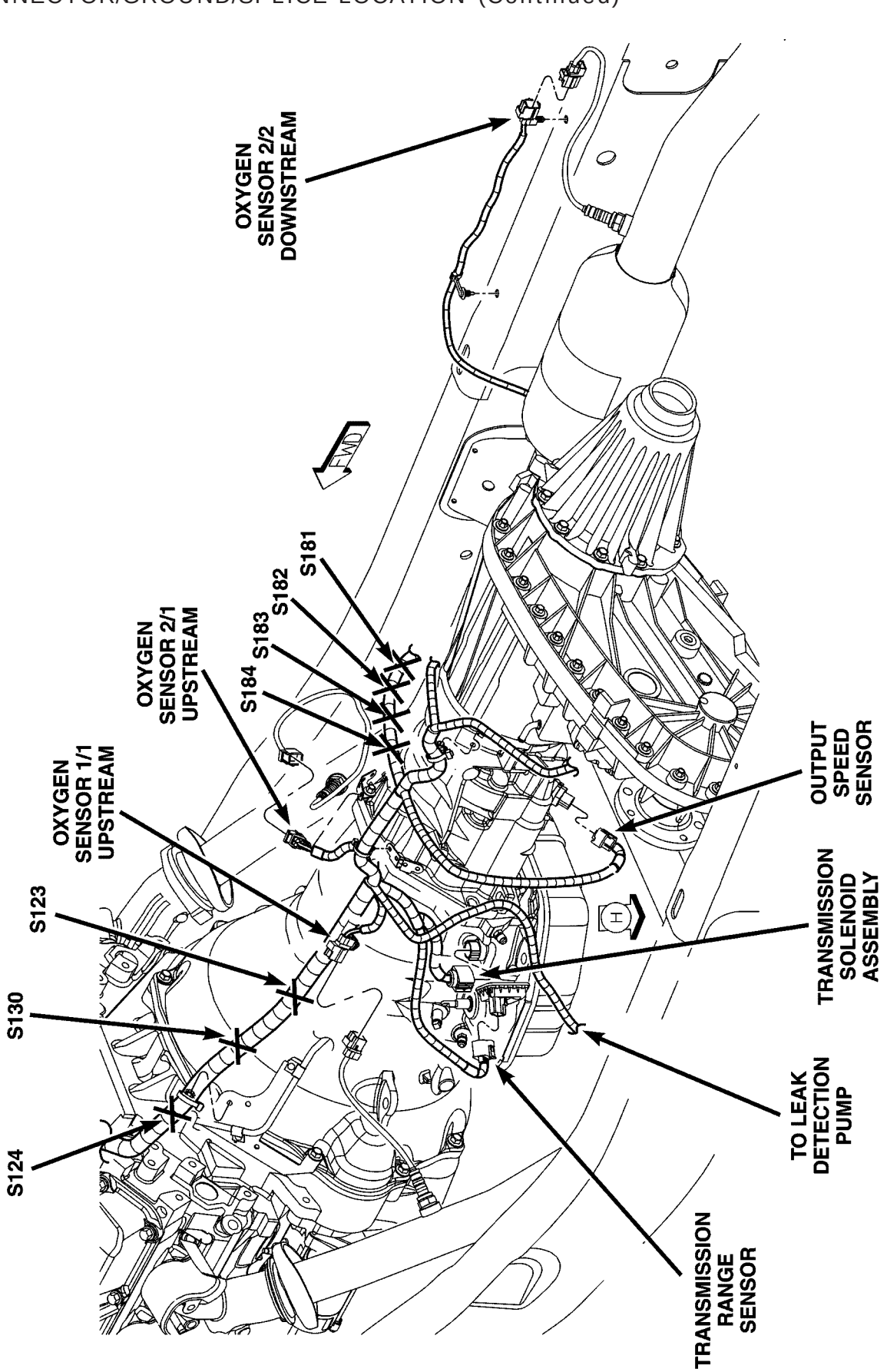


Fig. 12 LEFT SIDE ENGINE AND TRANSMISSION (8.0L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

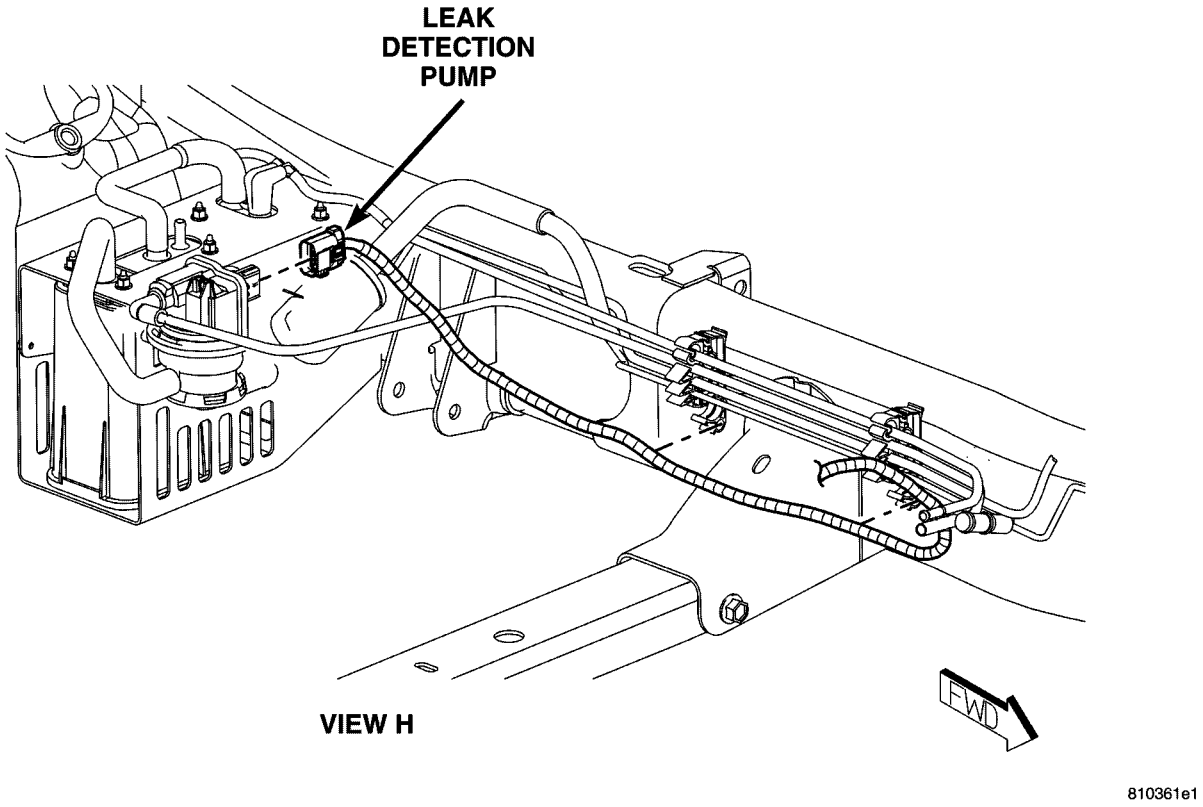


Fig. 13 LEAK DETECTION PUMP (8.0L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

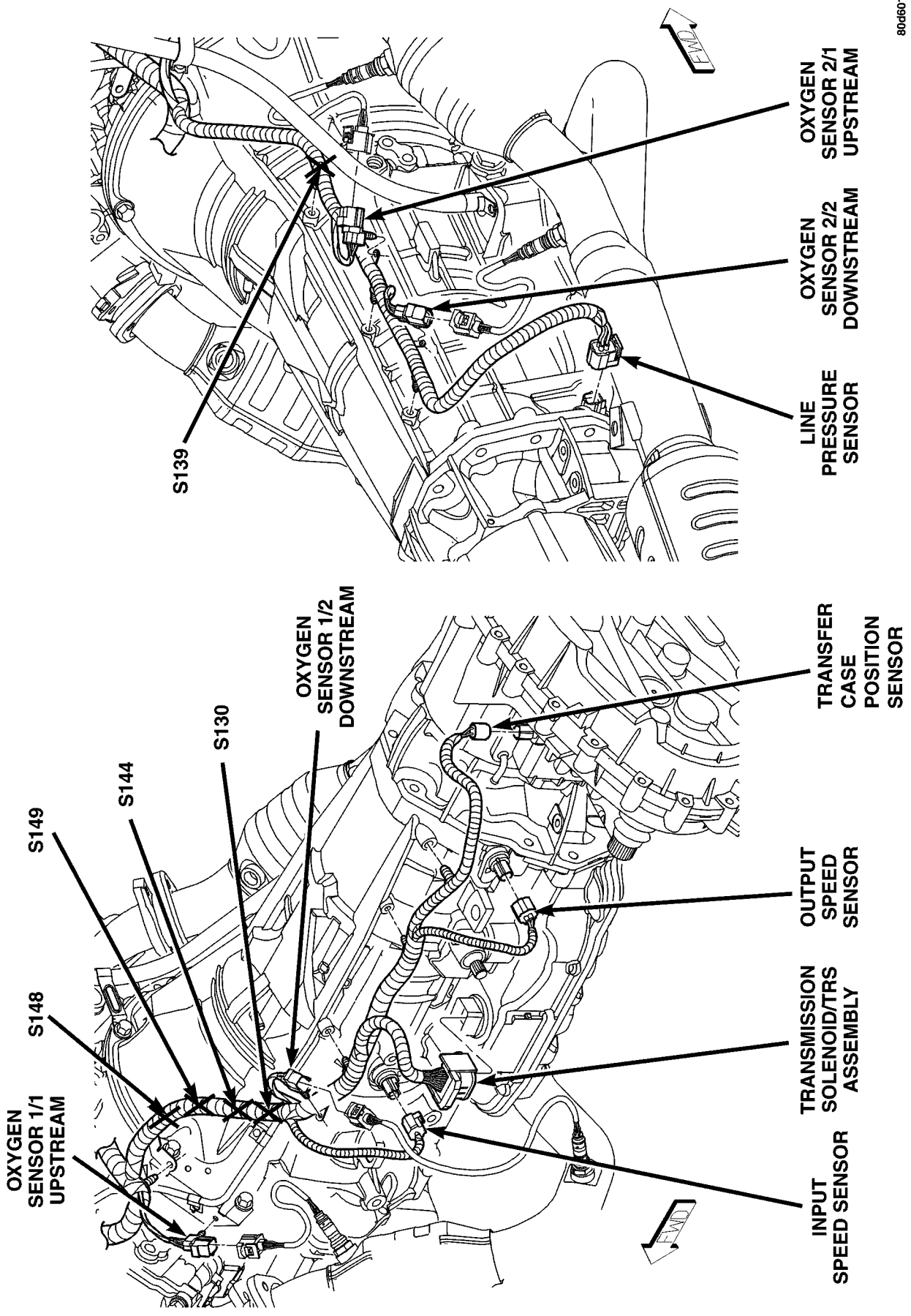


Fig. 14 TRANSMISSION 45RFE (4X4)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

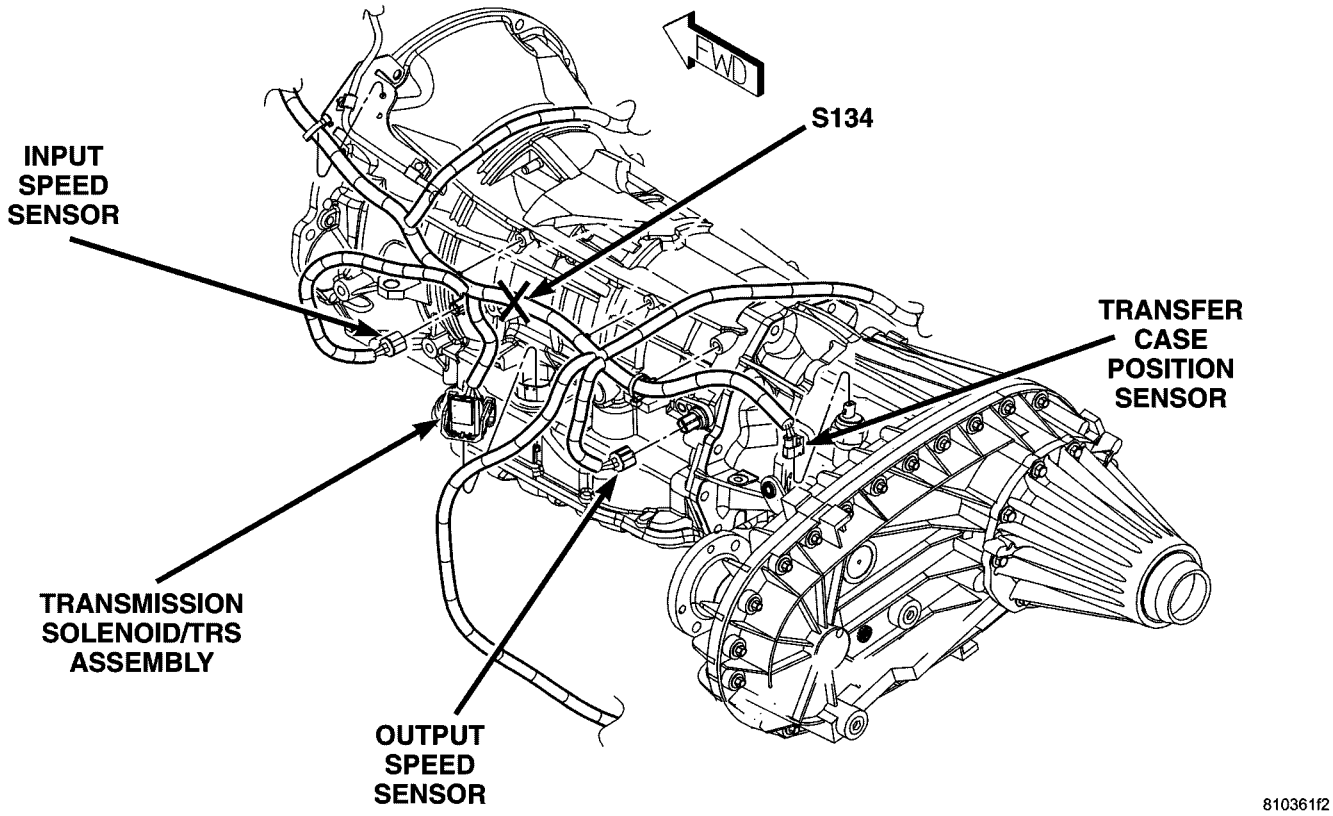


Fig. 15 TRANSMISSION 45RFE (4X4) (5.7L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

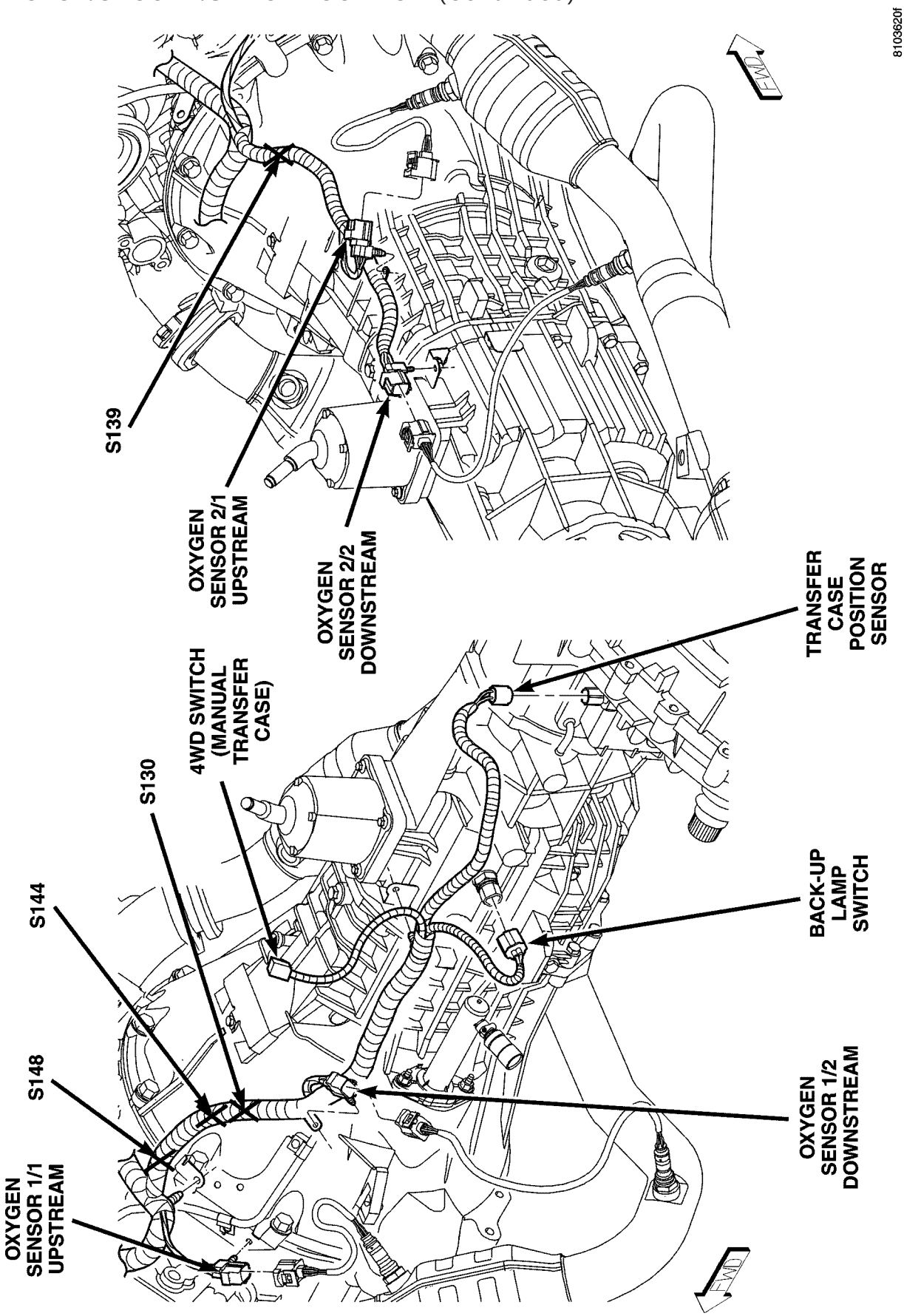


Fig. 16 MANUAL TRANSMISSION (4X4)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

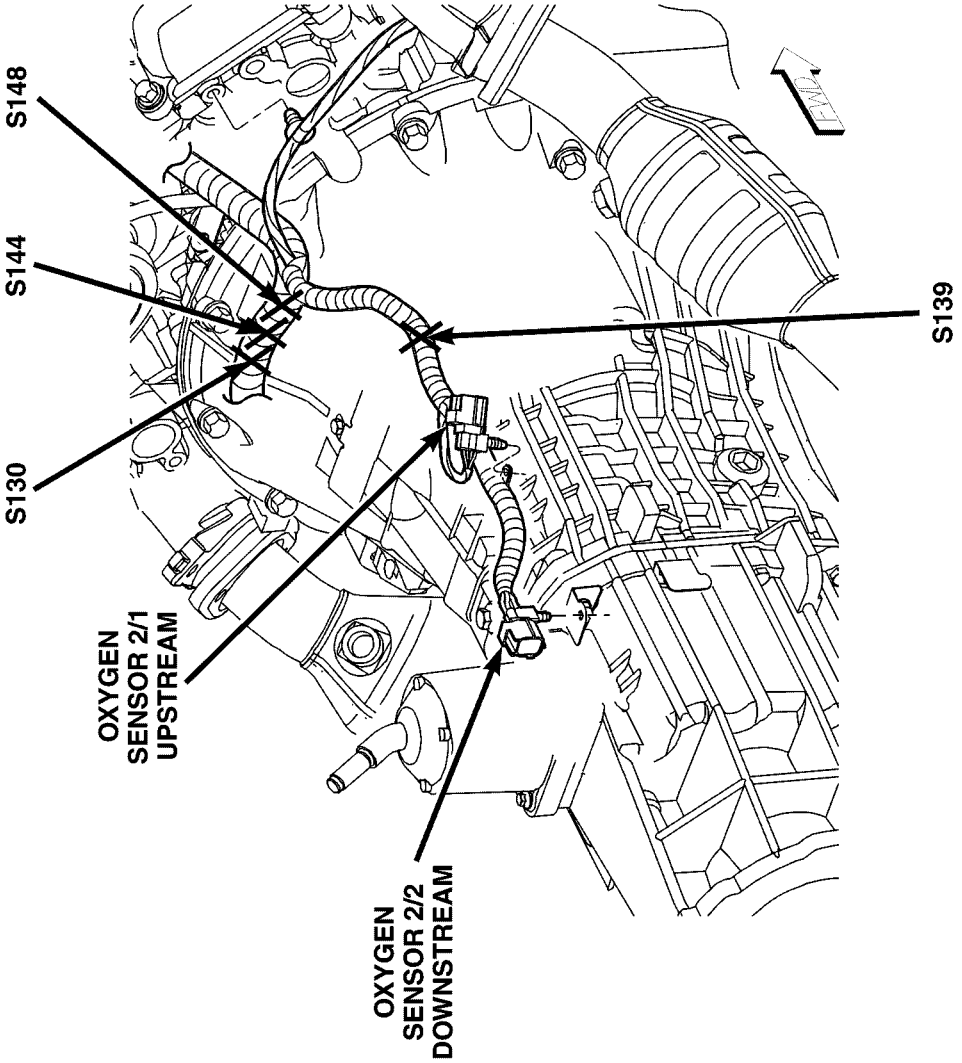


Fig. 17 TRANSMISSION, 4.7L

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

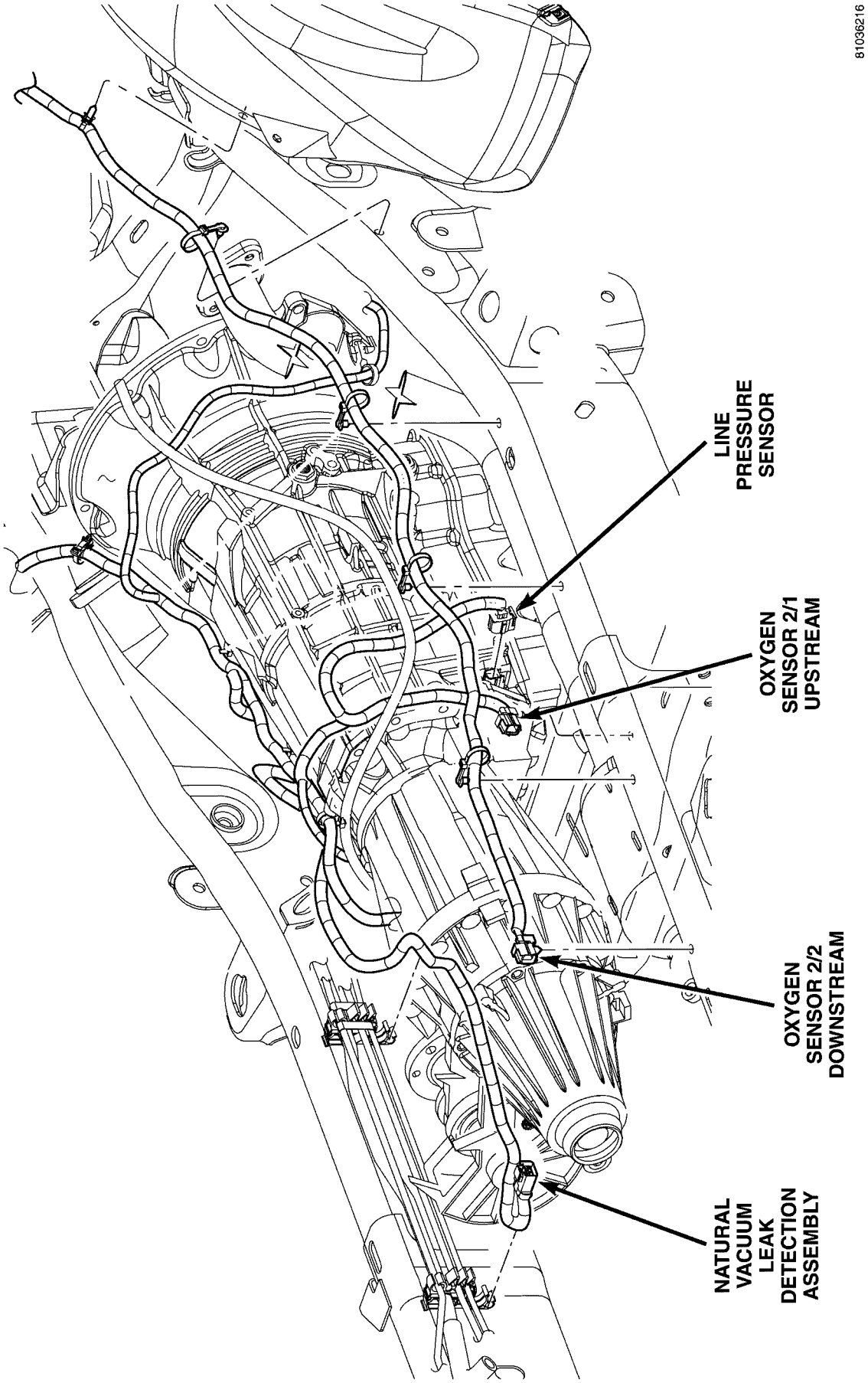


Fig. 18 TRANSMISSION 45RFE AUTO (5.7L HEAVY DUTY) (MANUAL SIMILAR)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

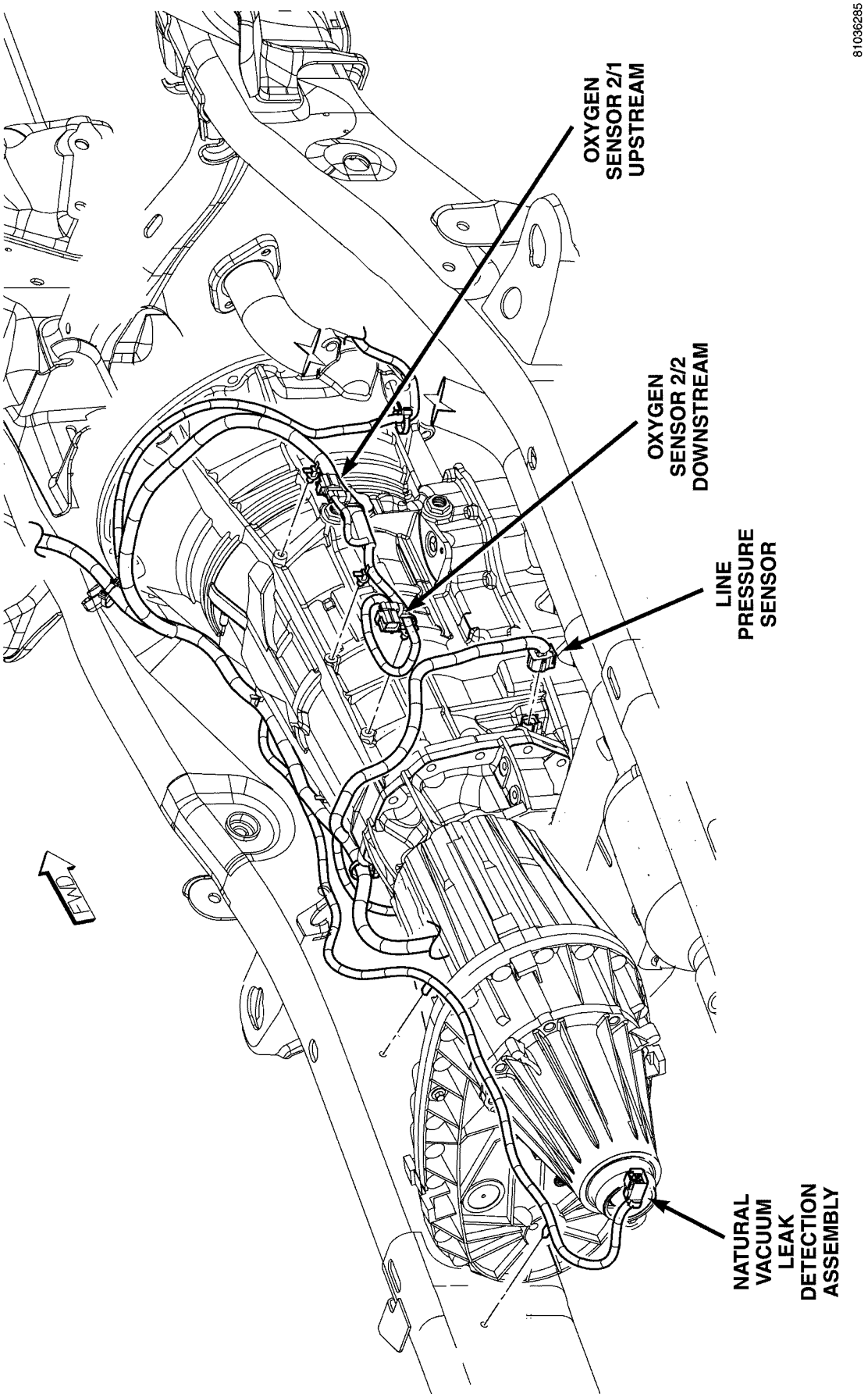


Fig. 19 45RFE TRANSMISSION (5.7L) (LIGHT DUTY)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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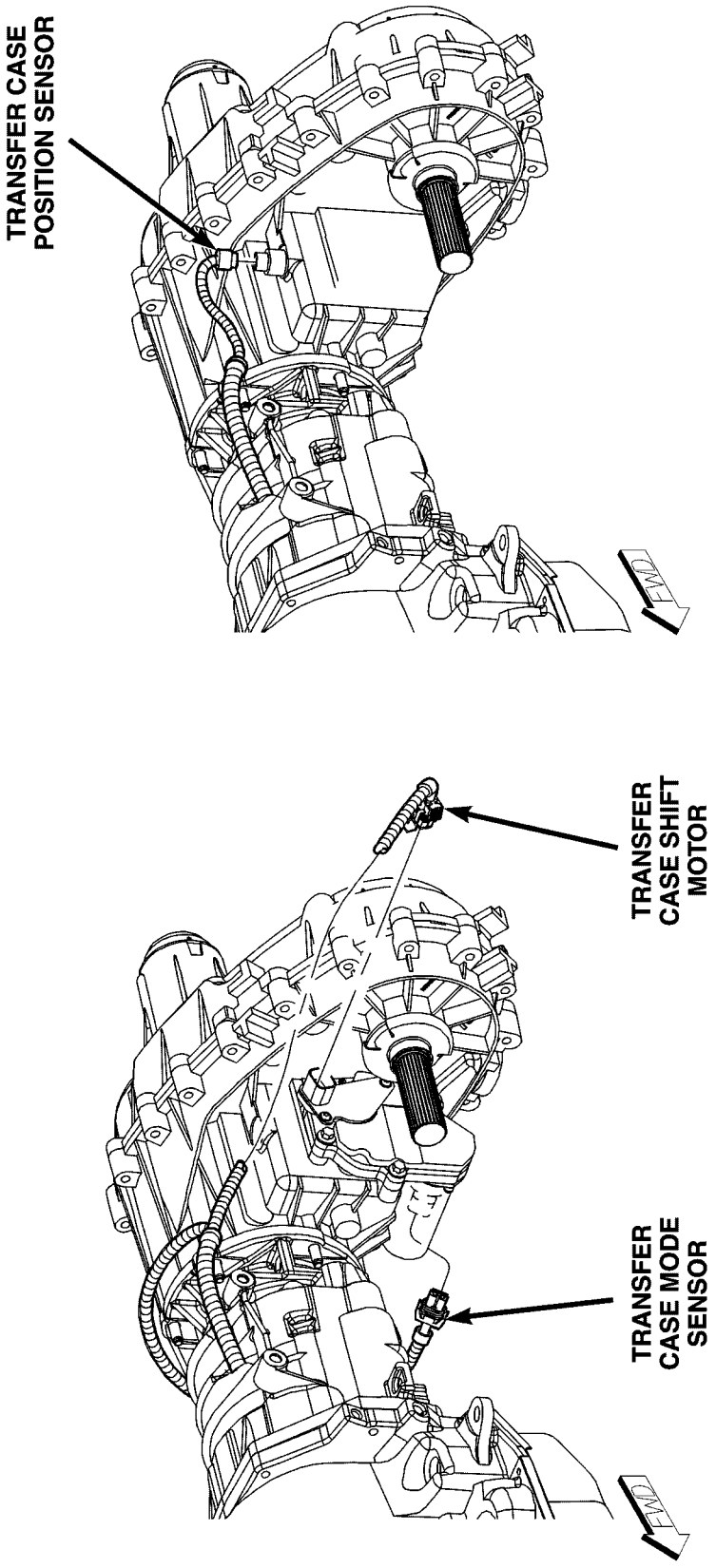


Fig. 20 LEFT FRONT TRANSFER CASE

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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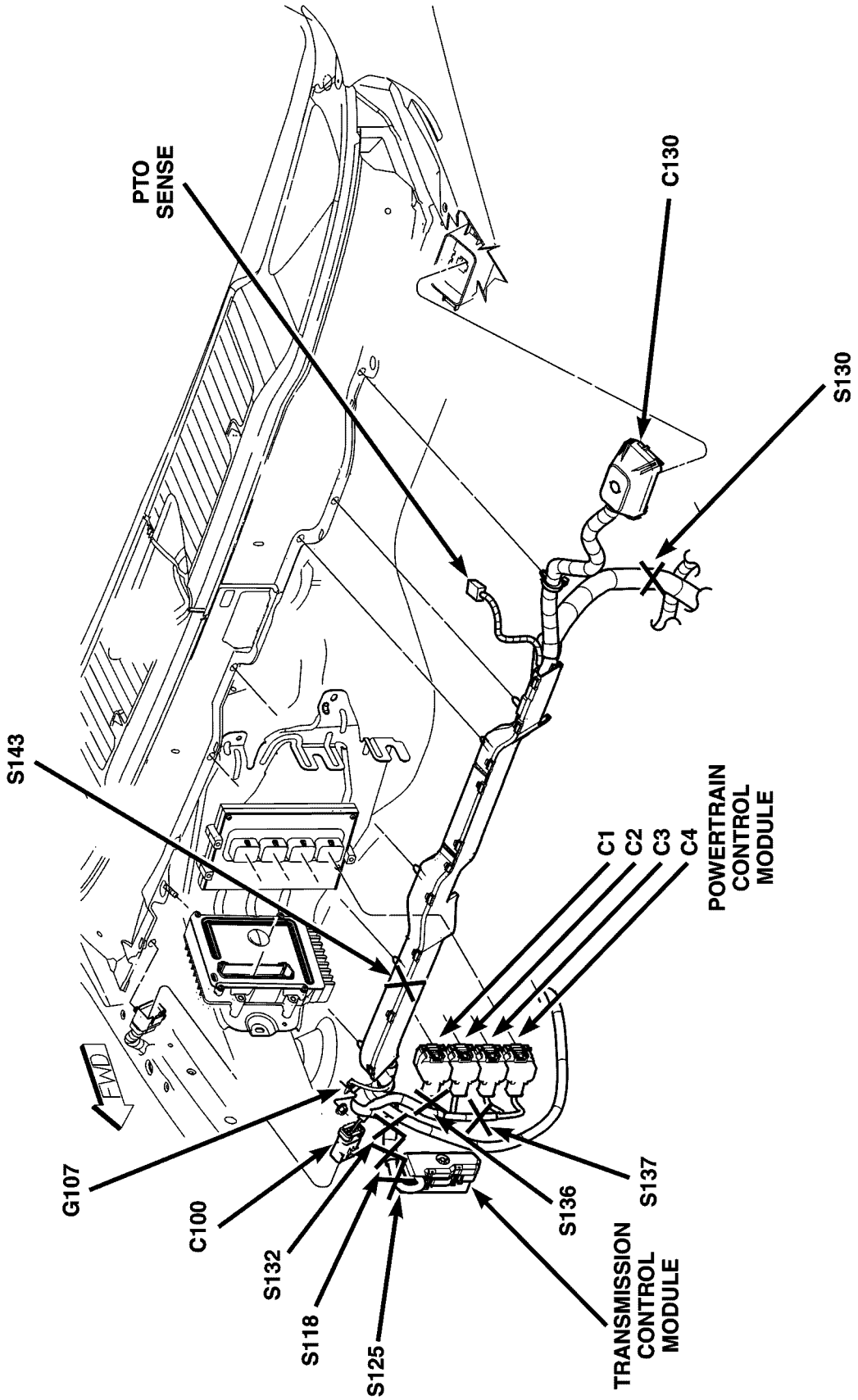


Fig. 21 REAR ENGINE COMPARTMENT (4.7L/5.7L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

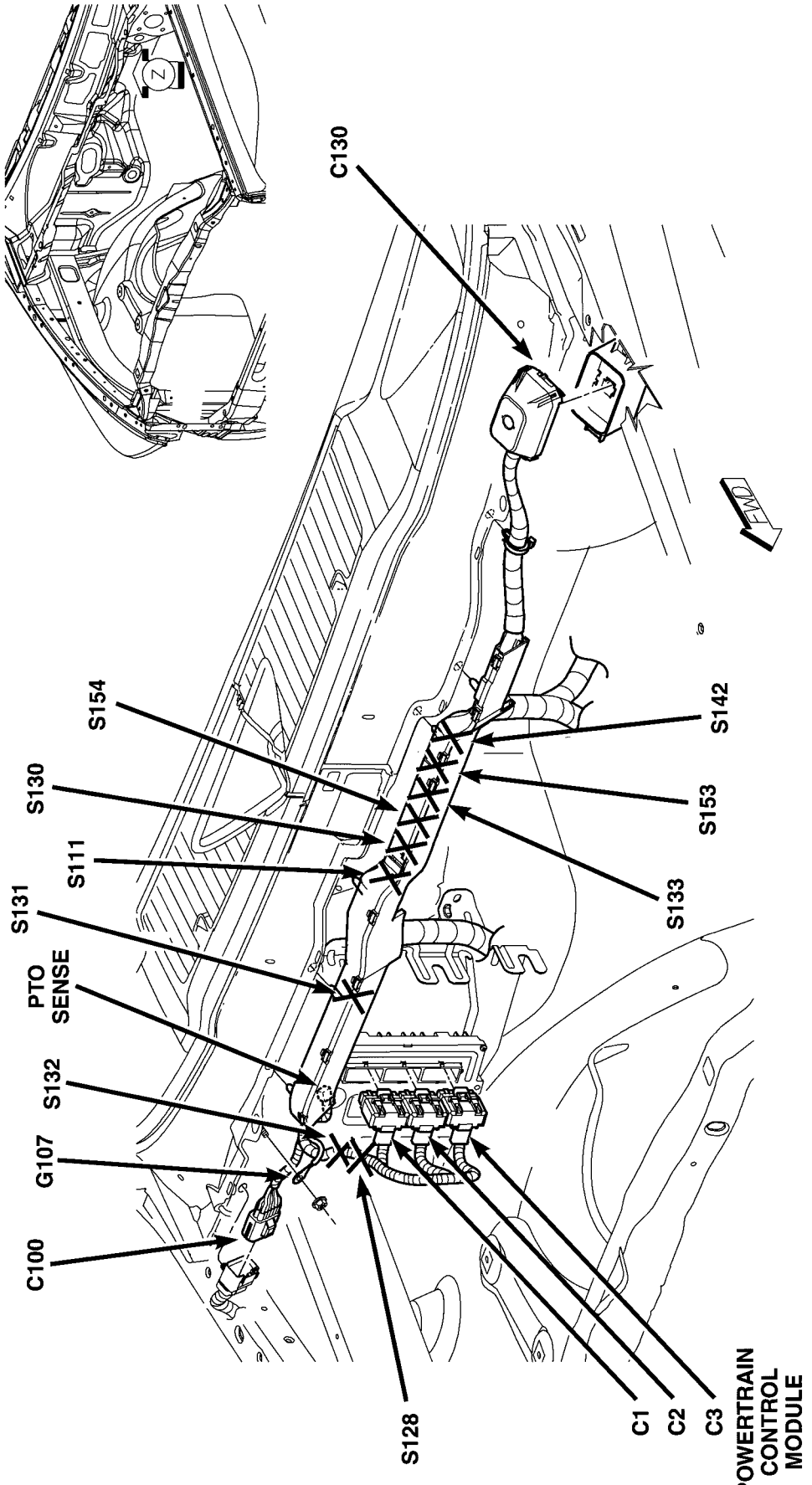


Fig. 22 REAR ENGINE COMPARTMENT (8.0L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

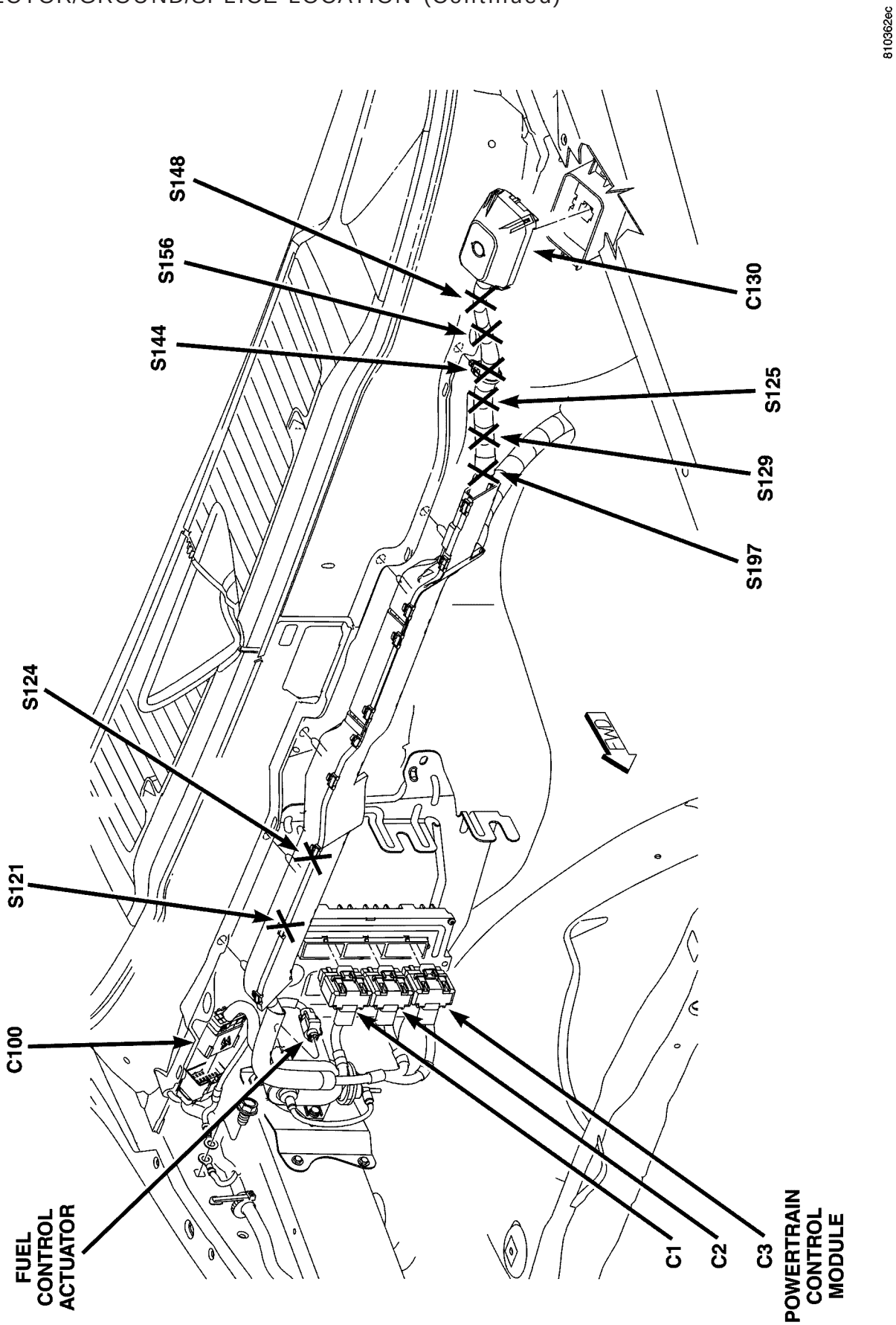


Fig. 23 REAR ENGINE COMPARTMENT (DIESEL)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

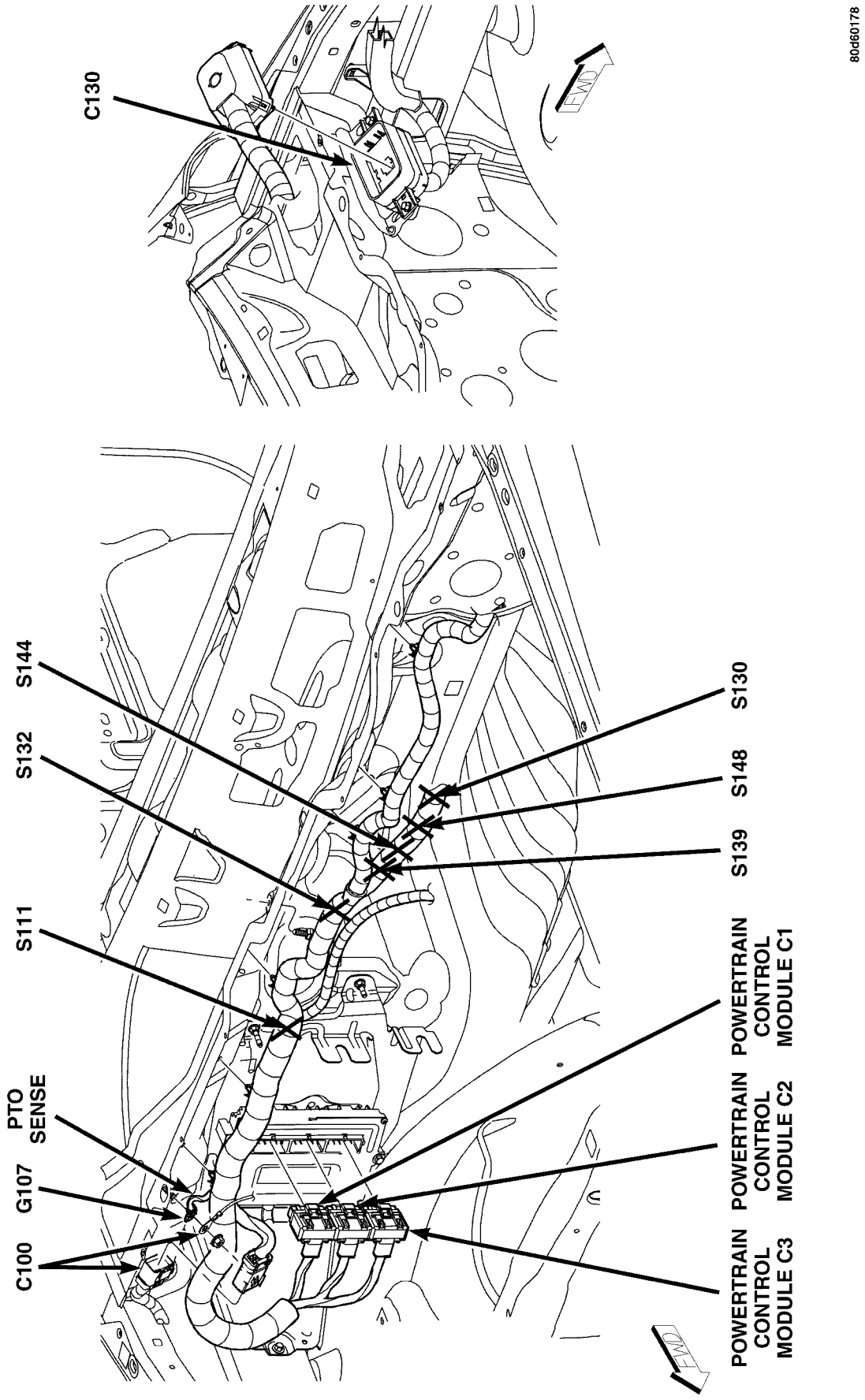


Fig. 24 TOP REAR ENGINE COMPARTMENT (5.9L)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

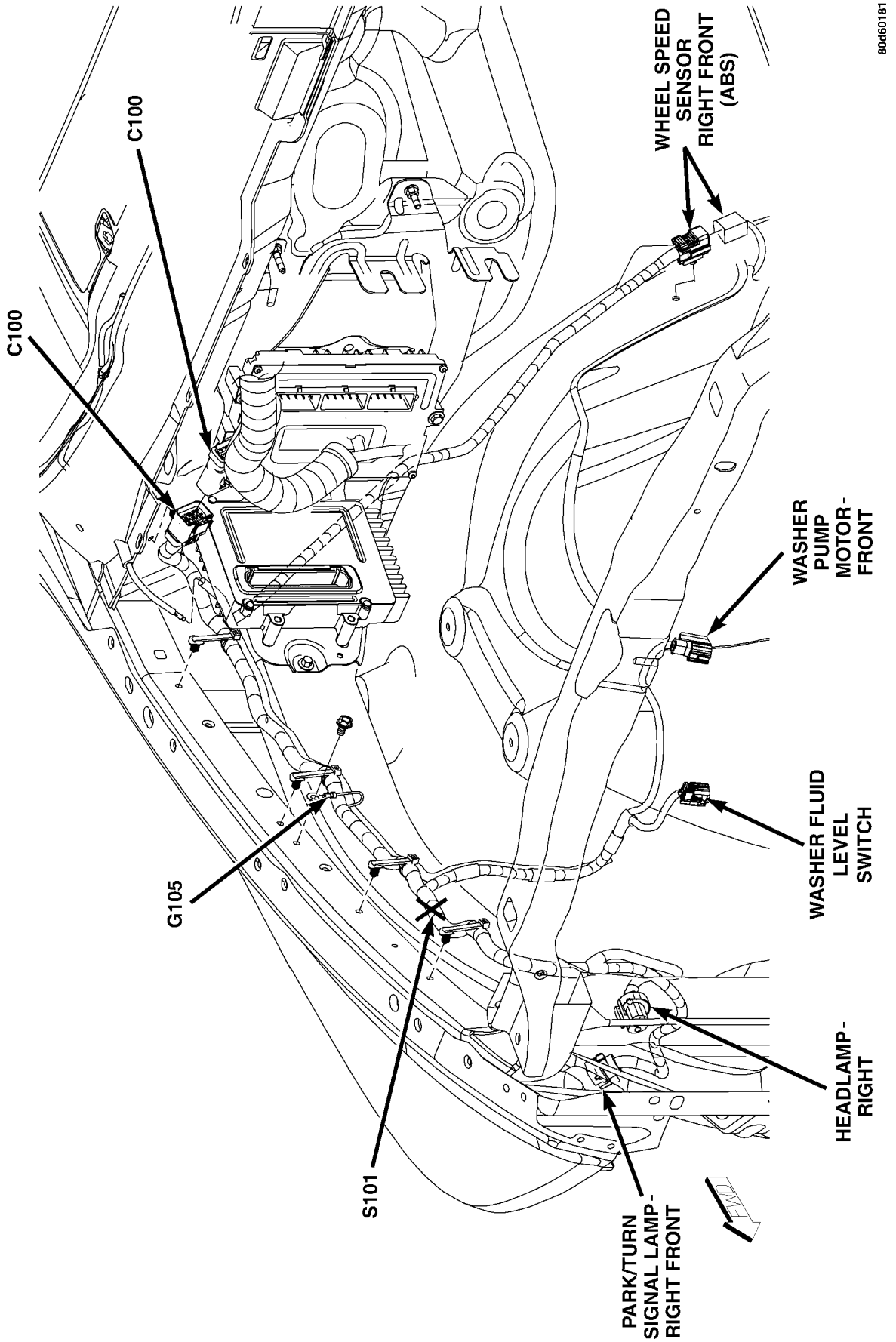


Fig. 25 RIGHT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

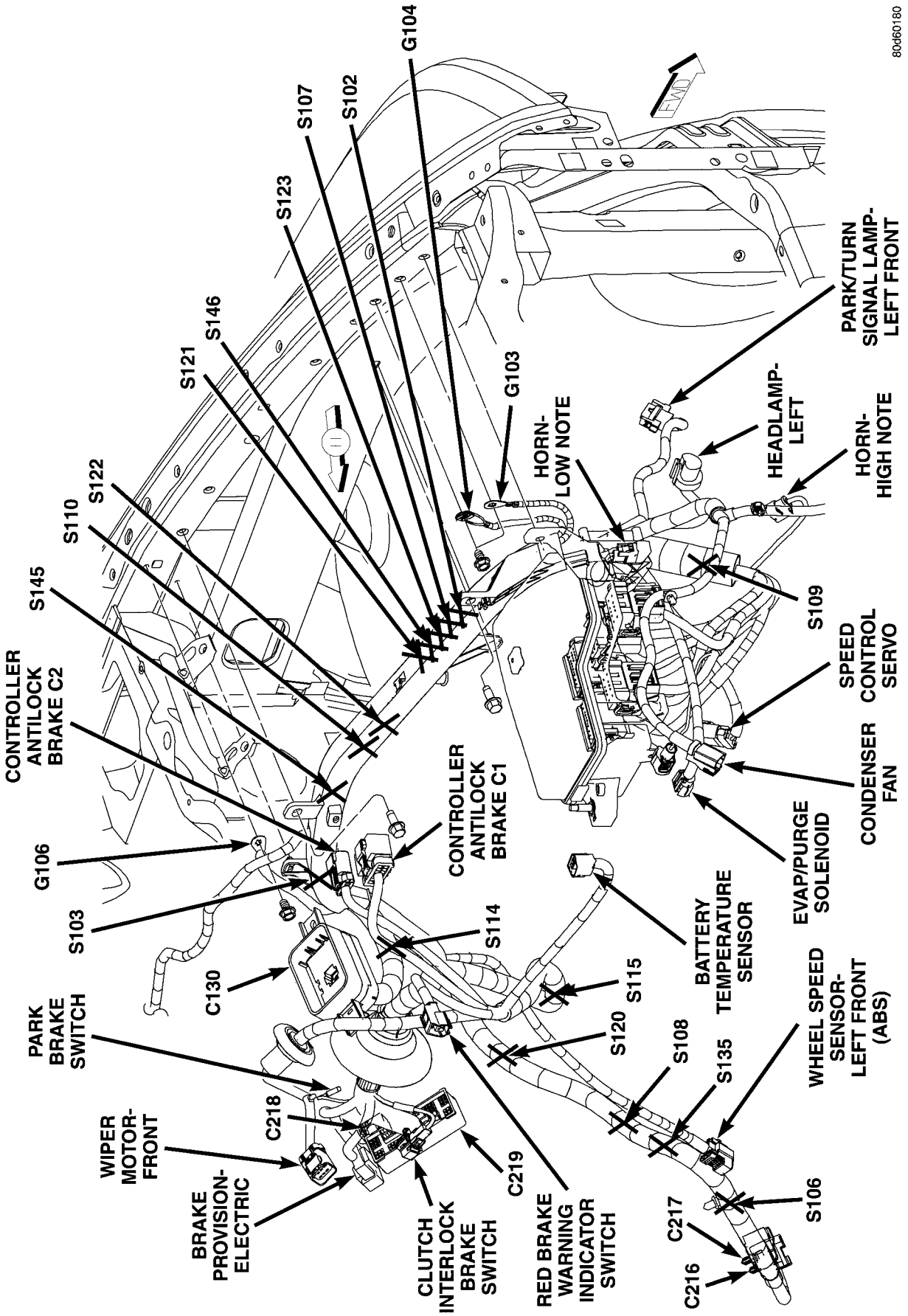


Fig. 26 LEFT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

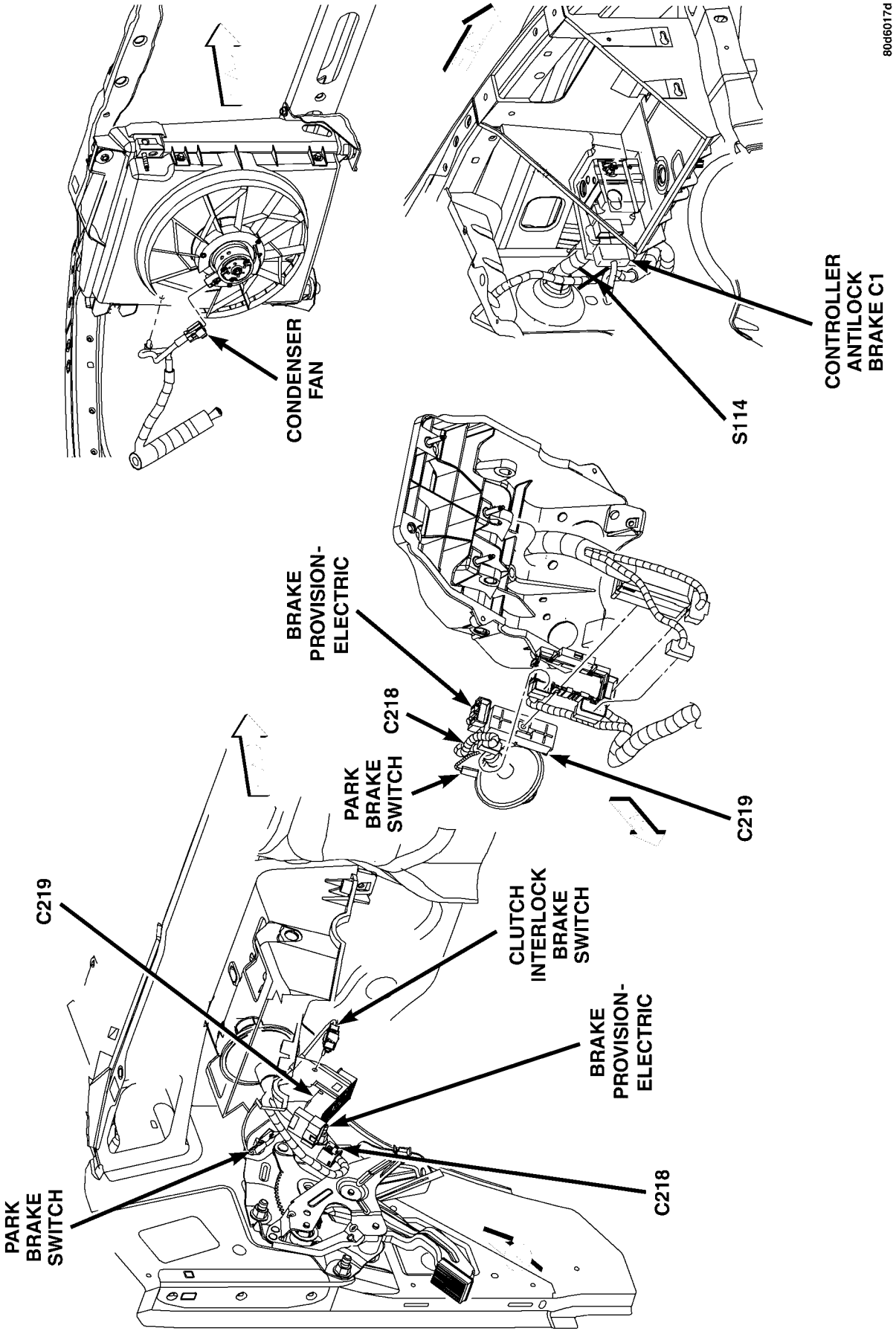


Fig. 27 LEFT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

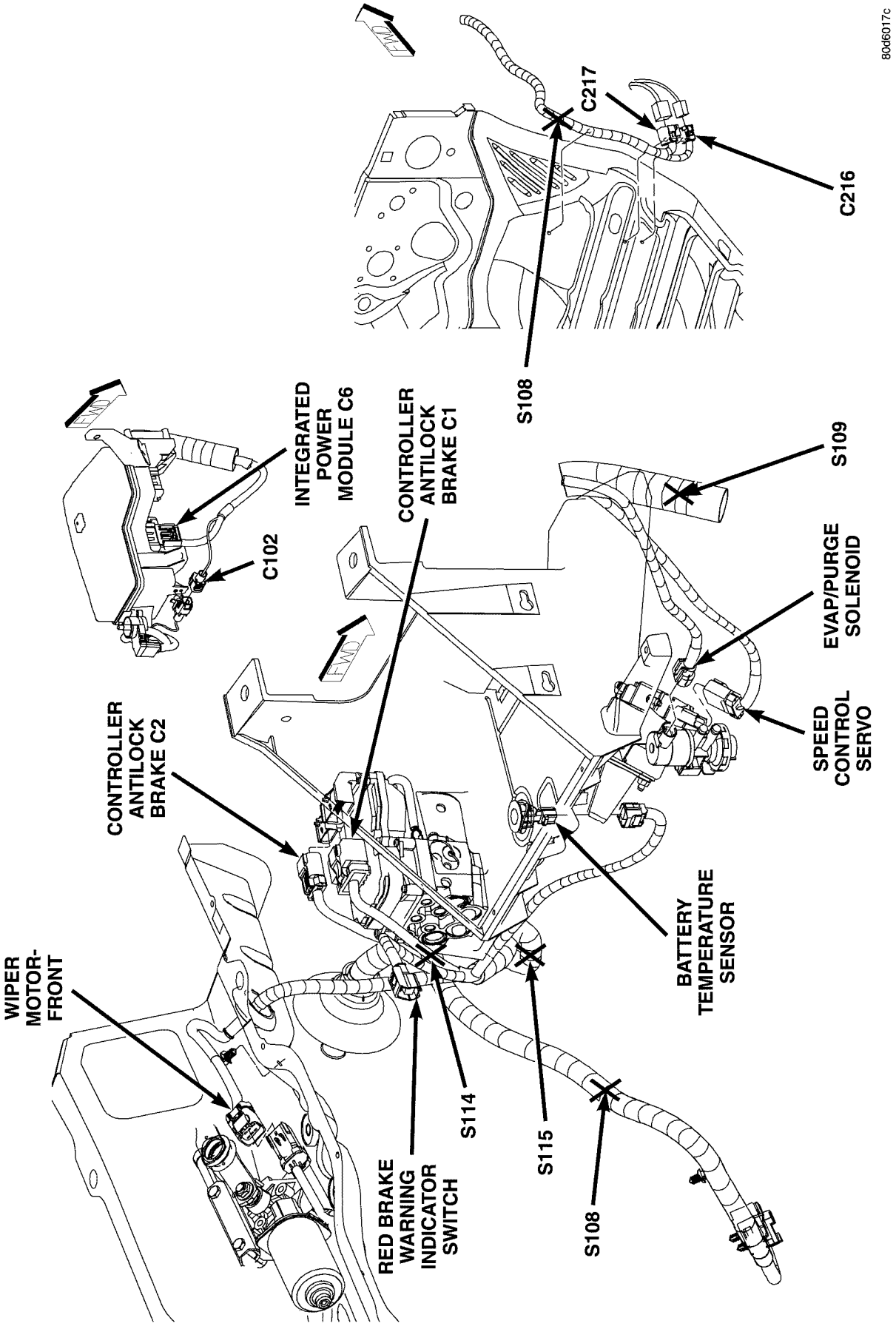


Fig. 28 LEFT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

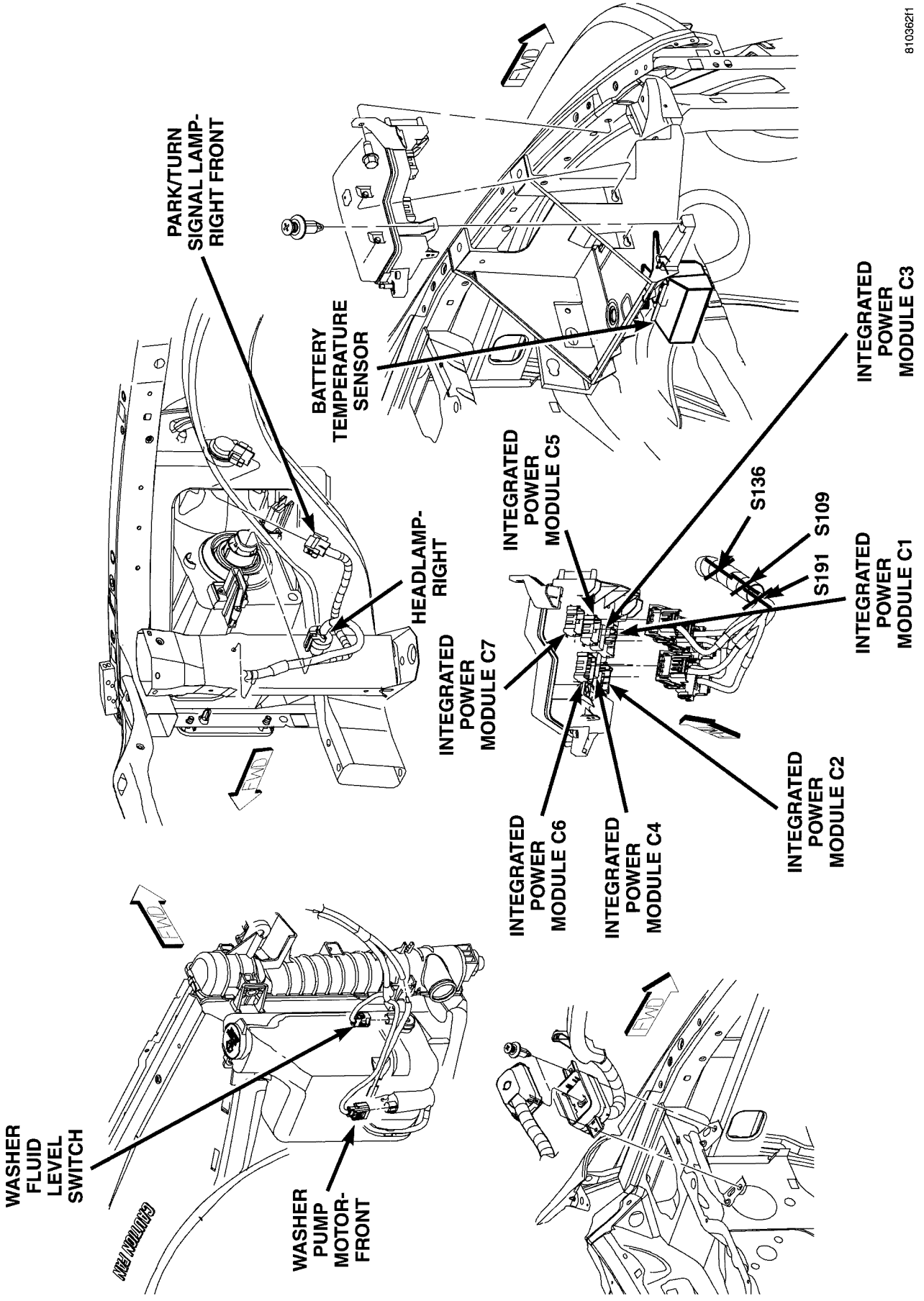


Fig. 29 LEFT SIDE ENGINE COMPARTMENT

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

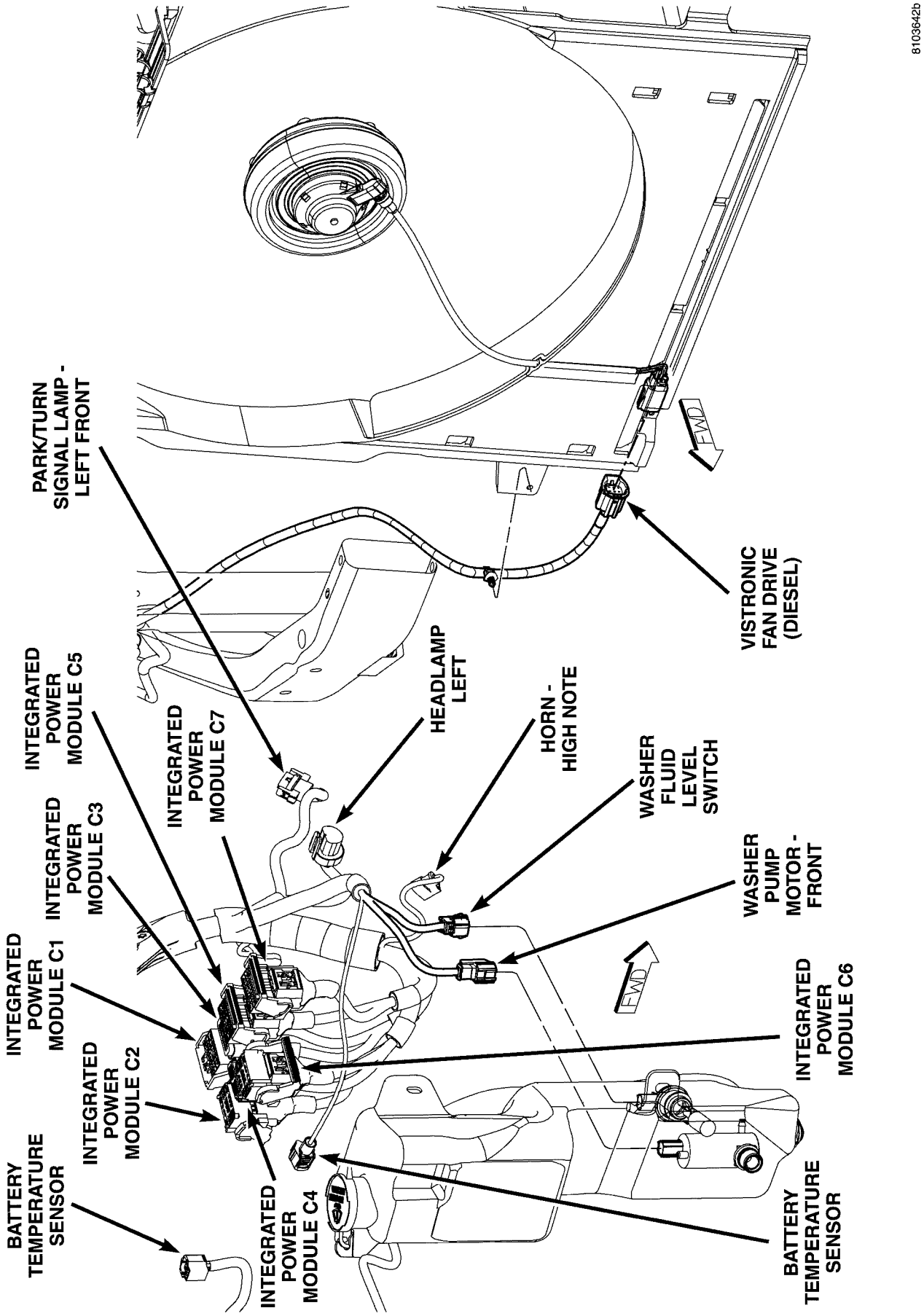


Fig. 30 INTEGRATED POWER MODULE AND FAN

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

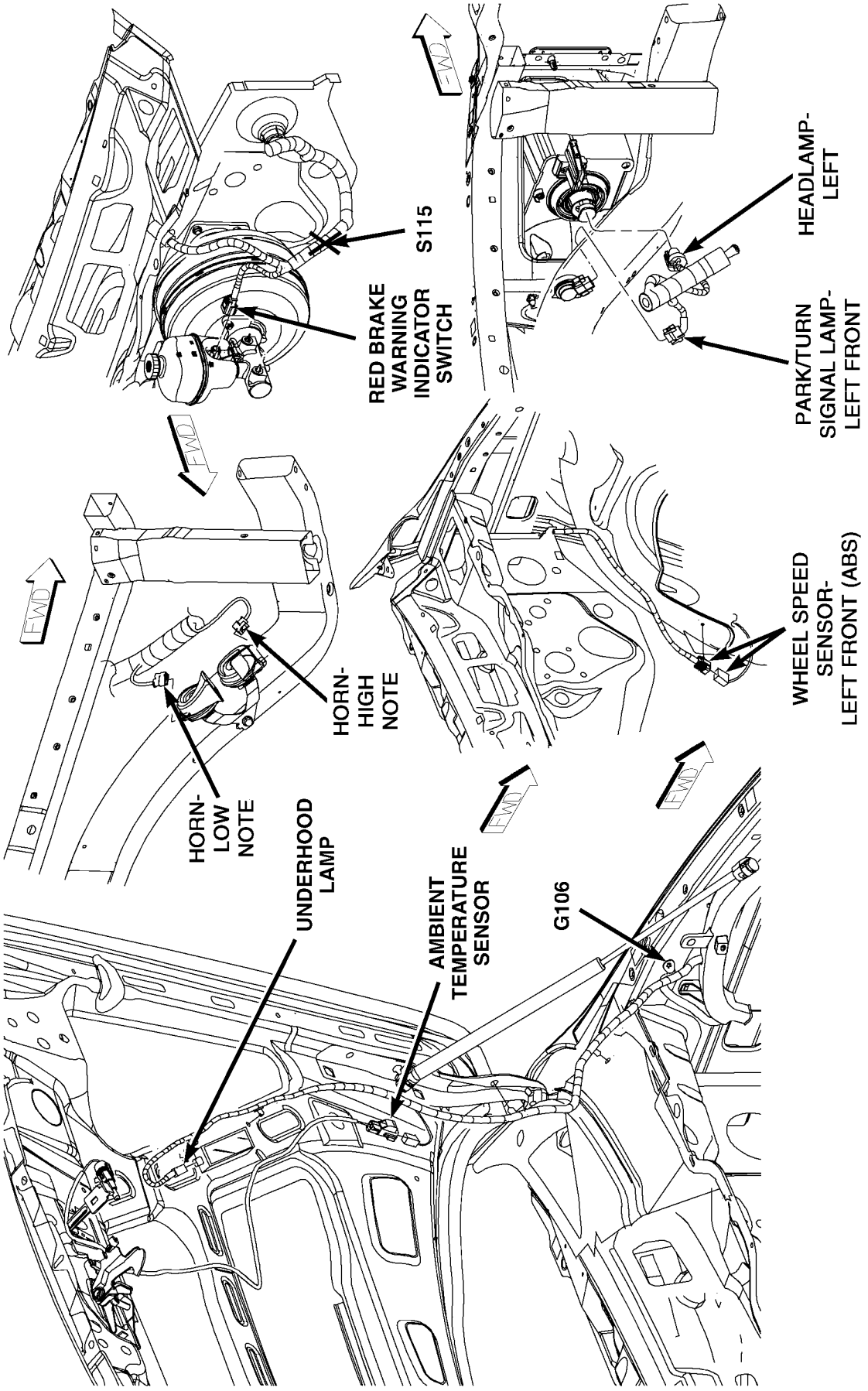


Fig. 31 LEFT SIDE ENGINE COMPARTMENT AND HOOD

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

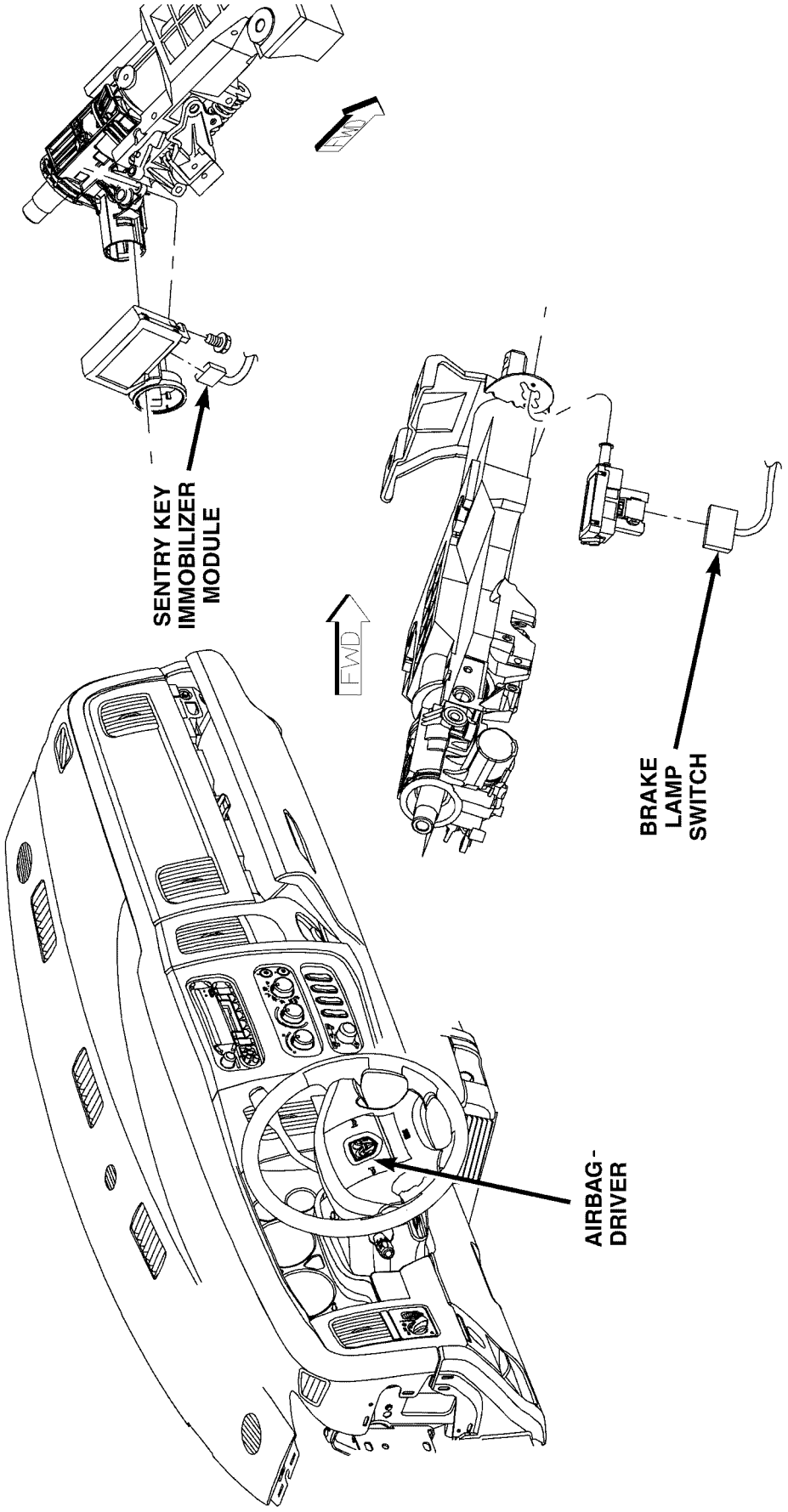


Fig. 32 STEERING COLUMN

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

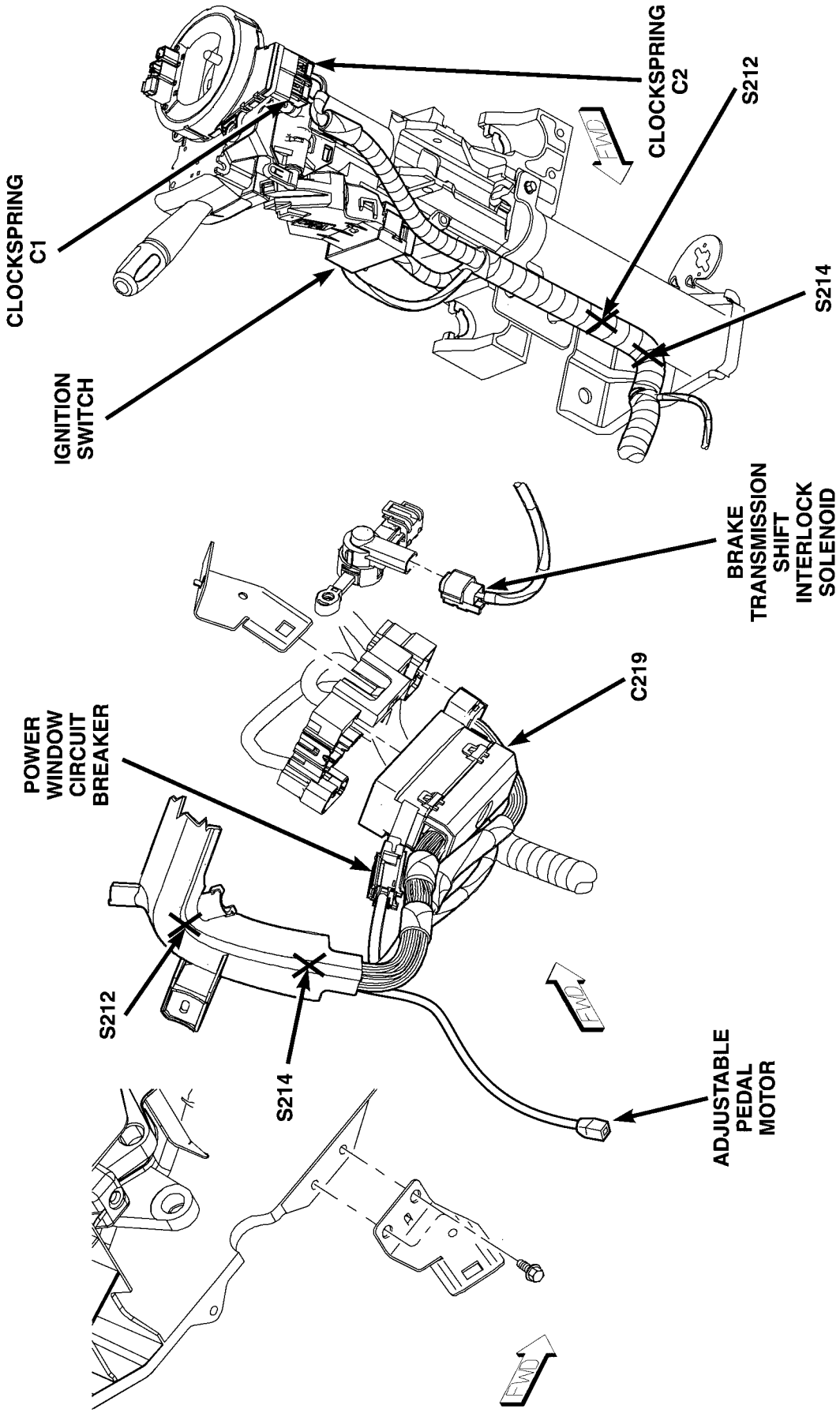


Fig. 33 LEFT STEERING COLUMN

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

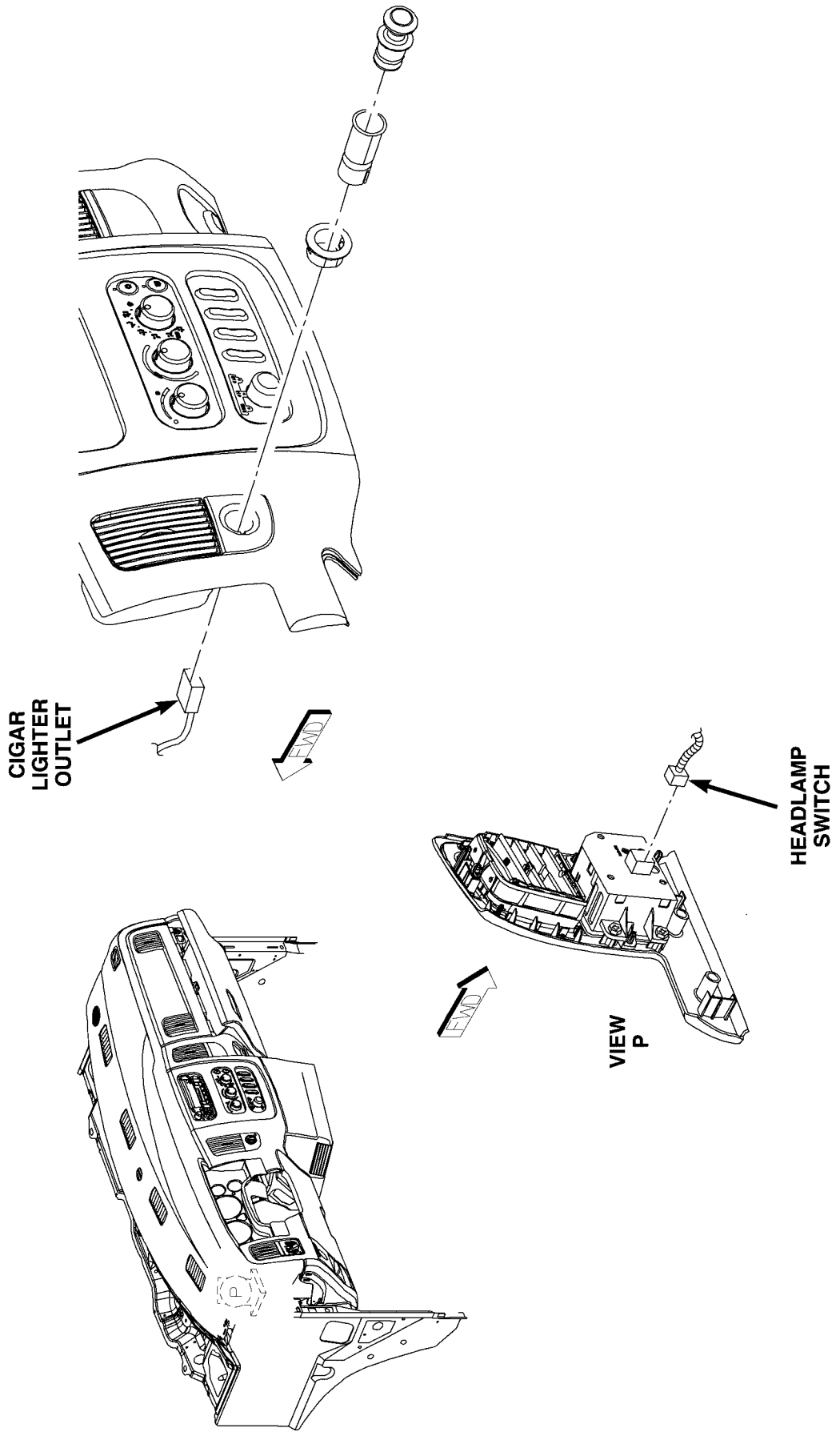


Fig. 34 INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

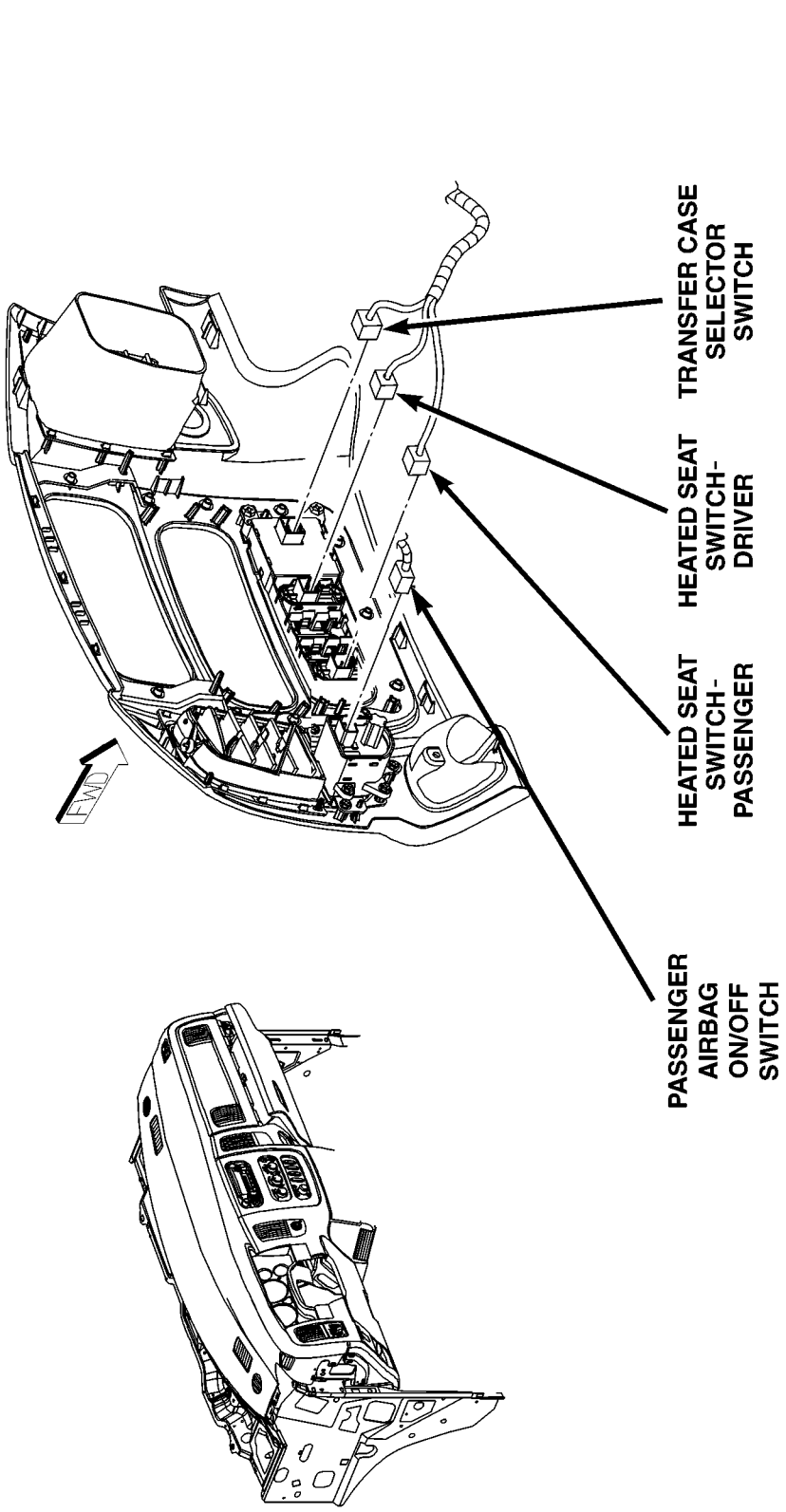


Fig. 35 REAR INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

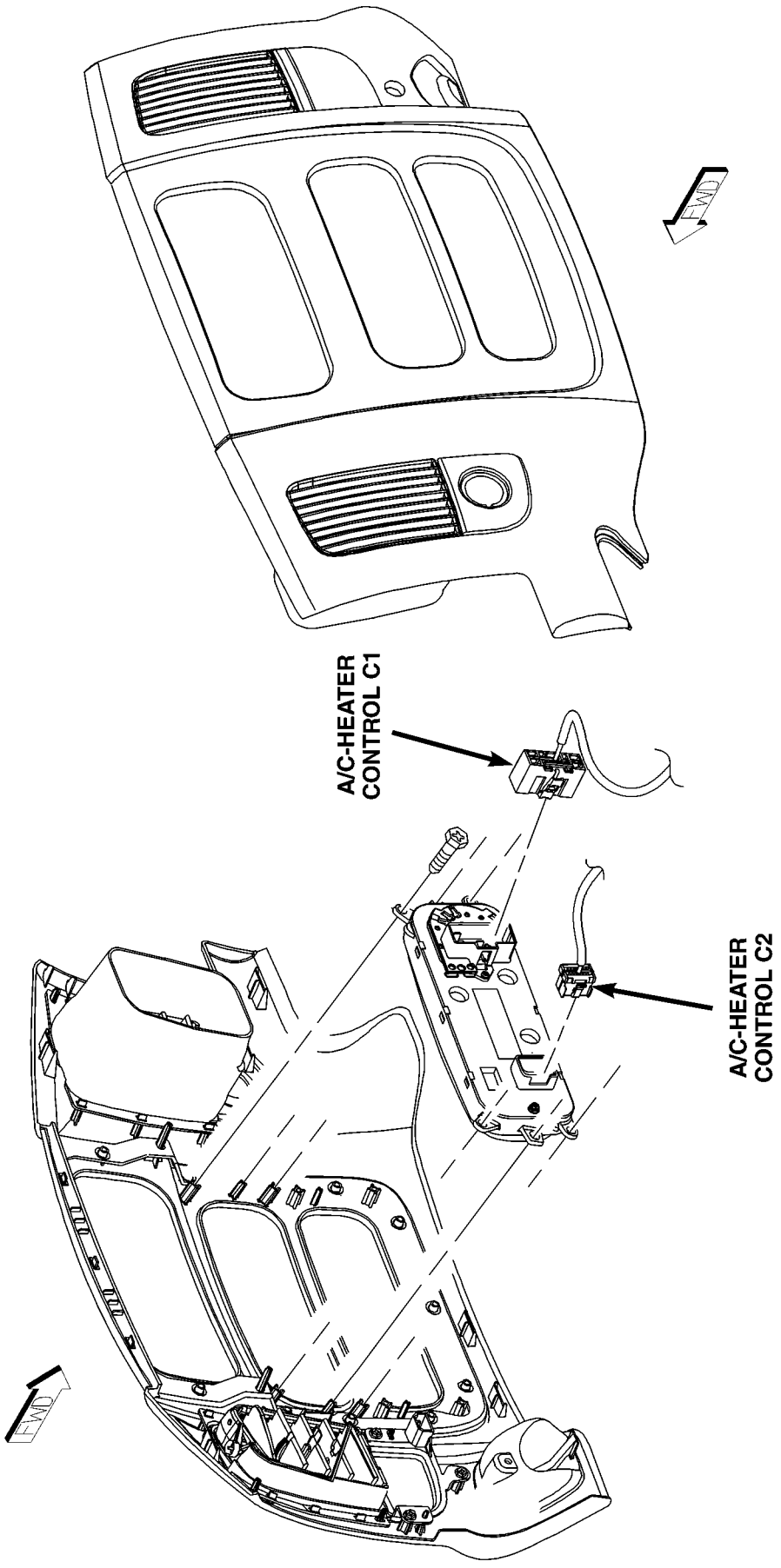


Fig. 36 CENTER INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

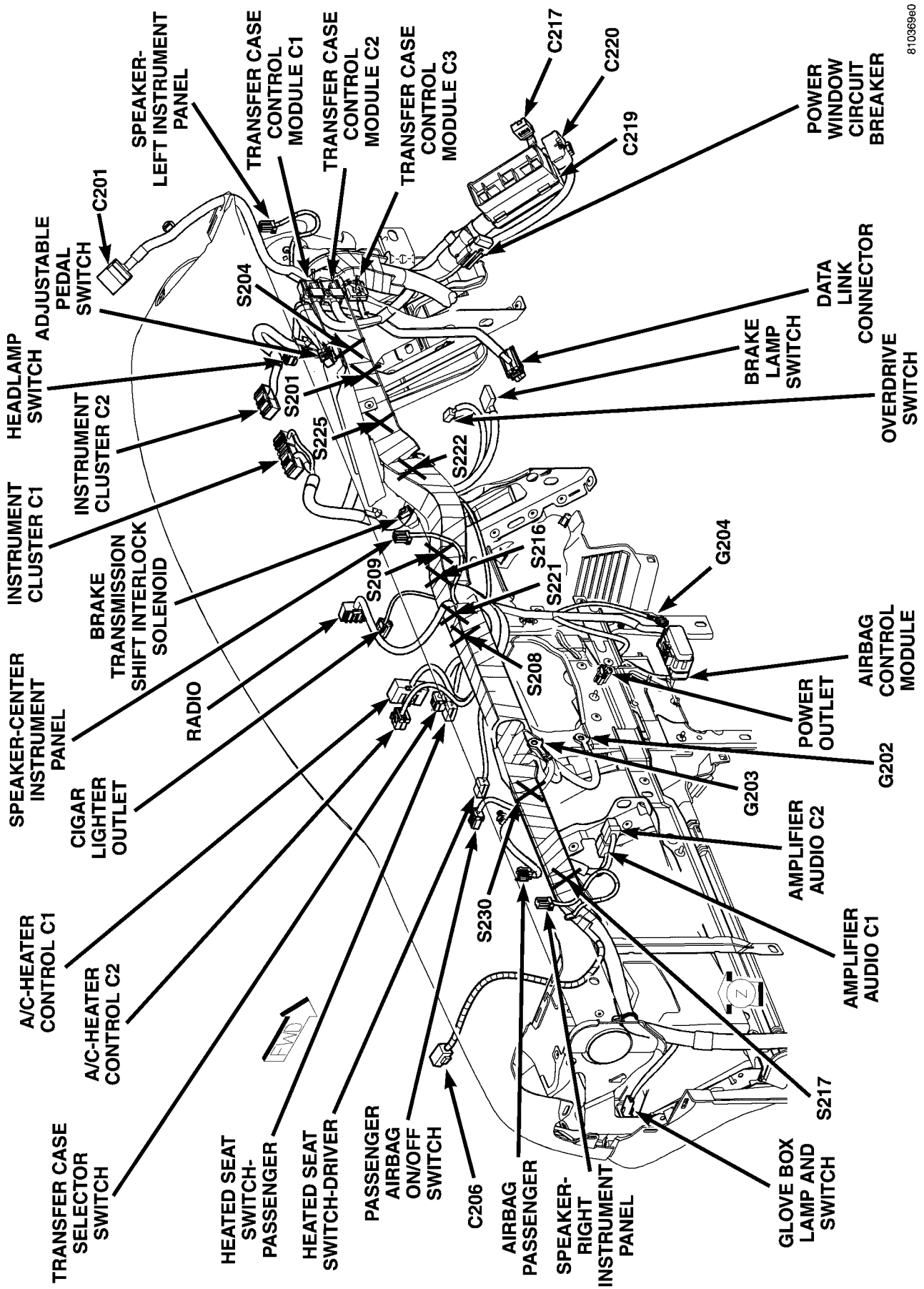


Fig. 37 INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

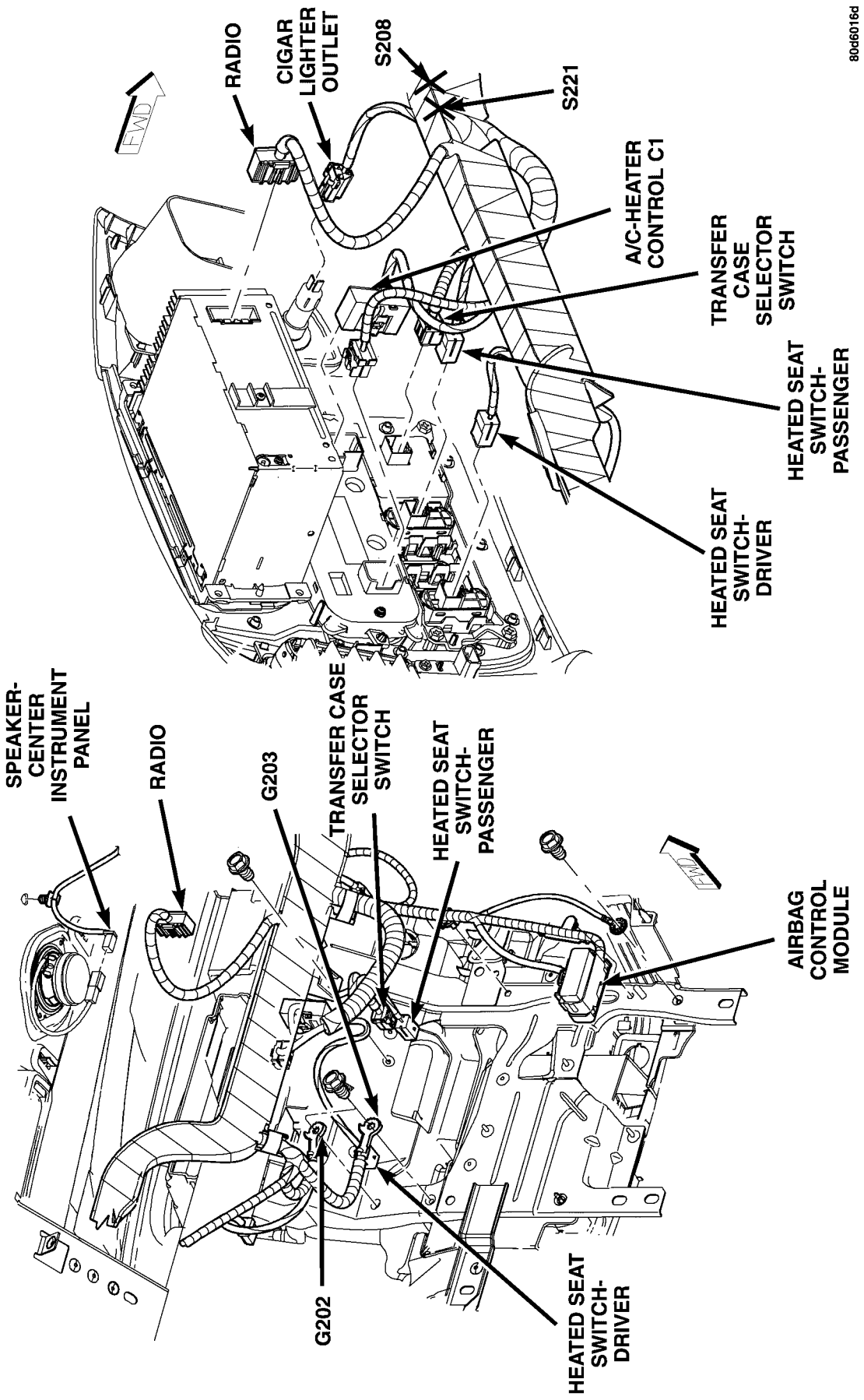


Fig. 38 CENTER INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

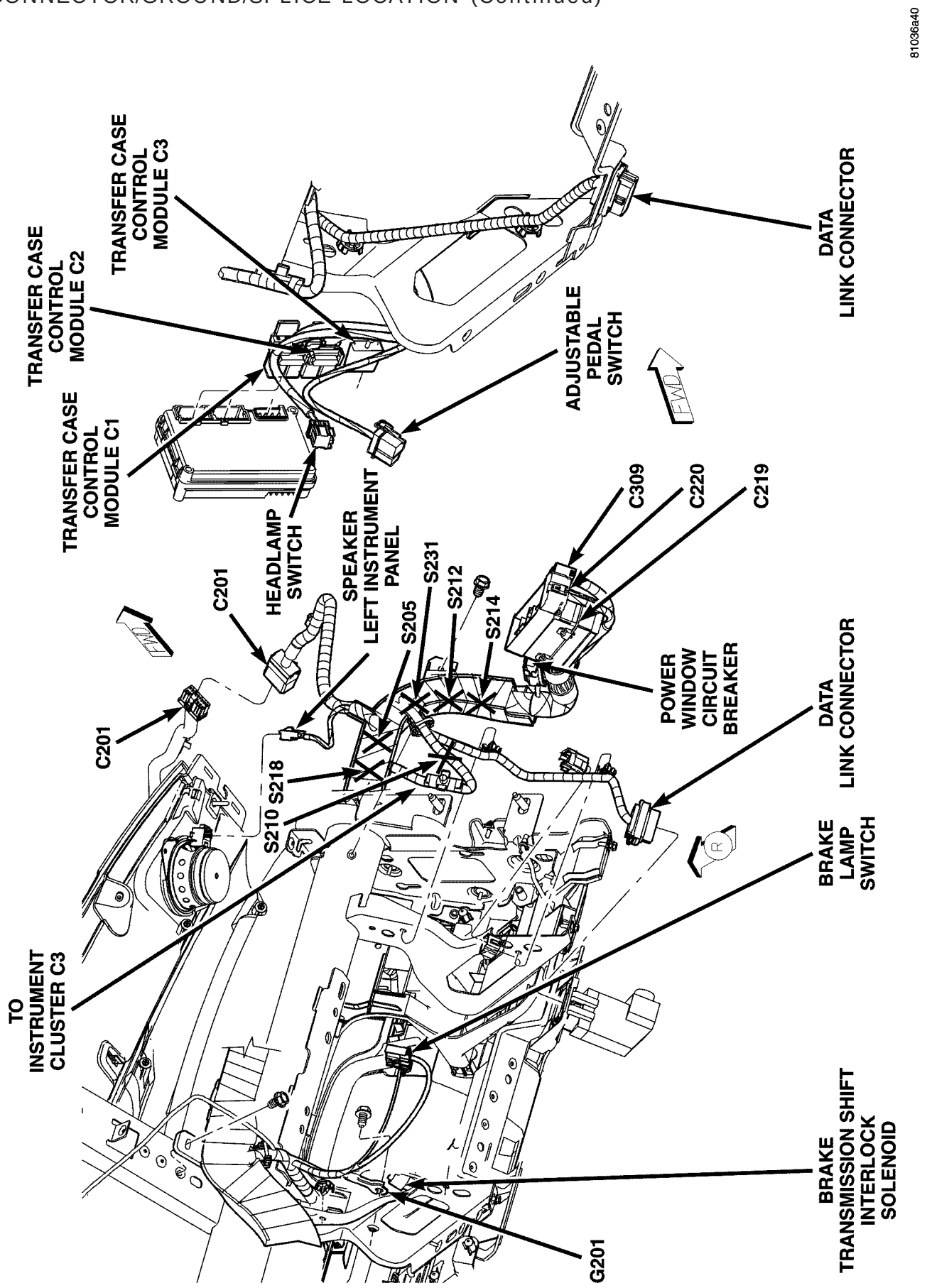


Fig. 39 LEFT INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

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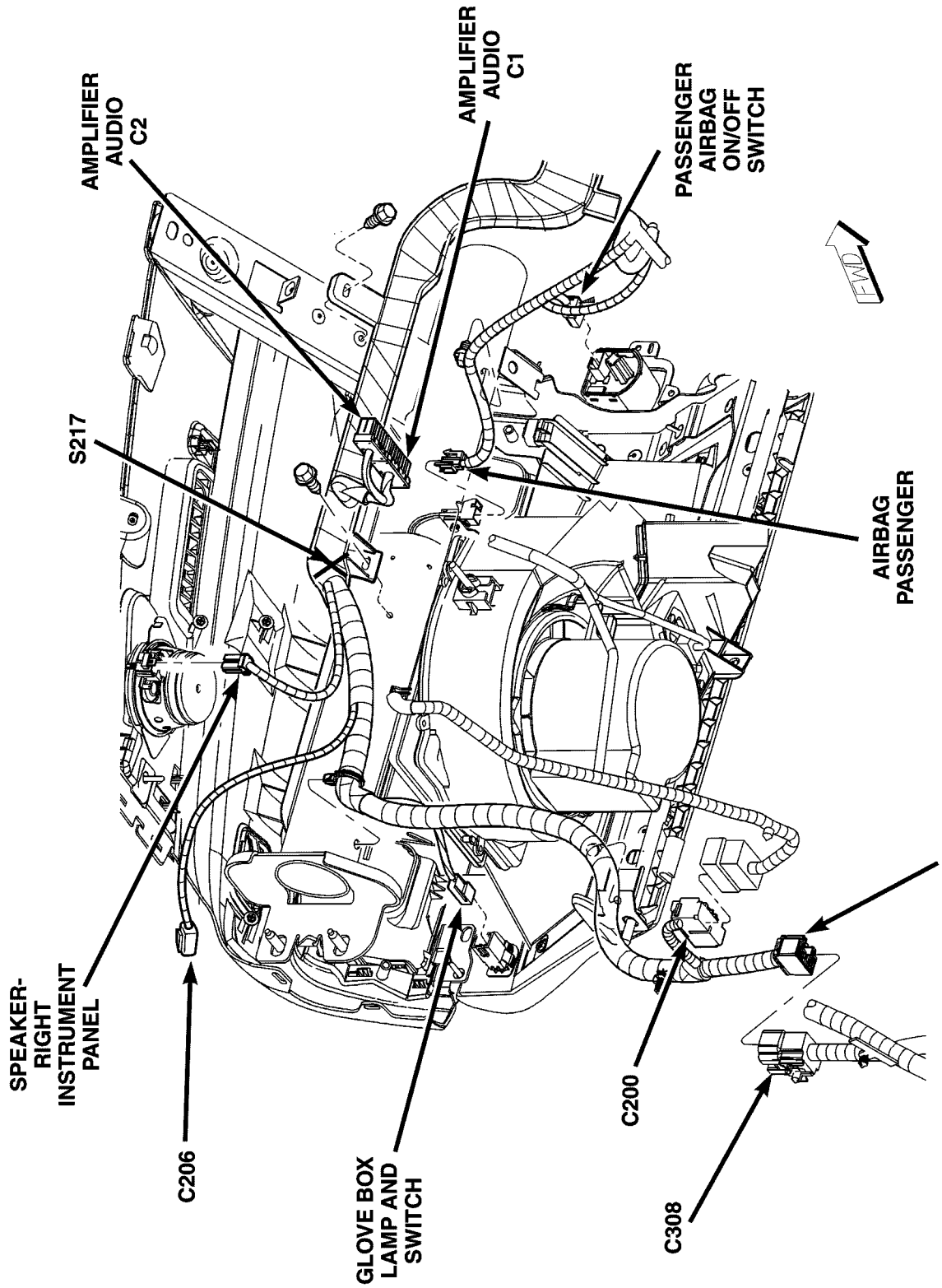


Fig. 40 RIGHT INSTRUMENT PANEL

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

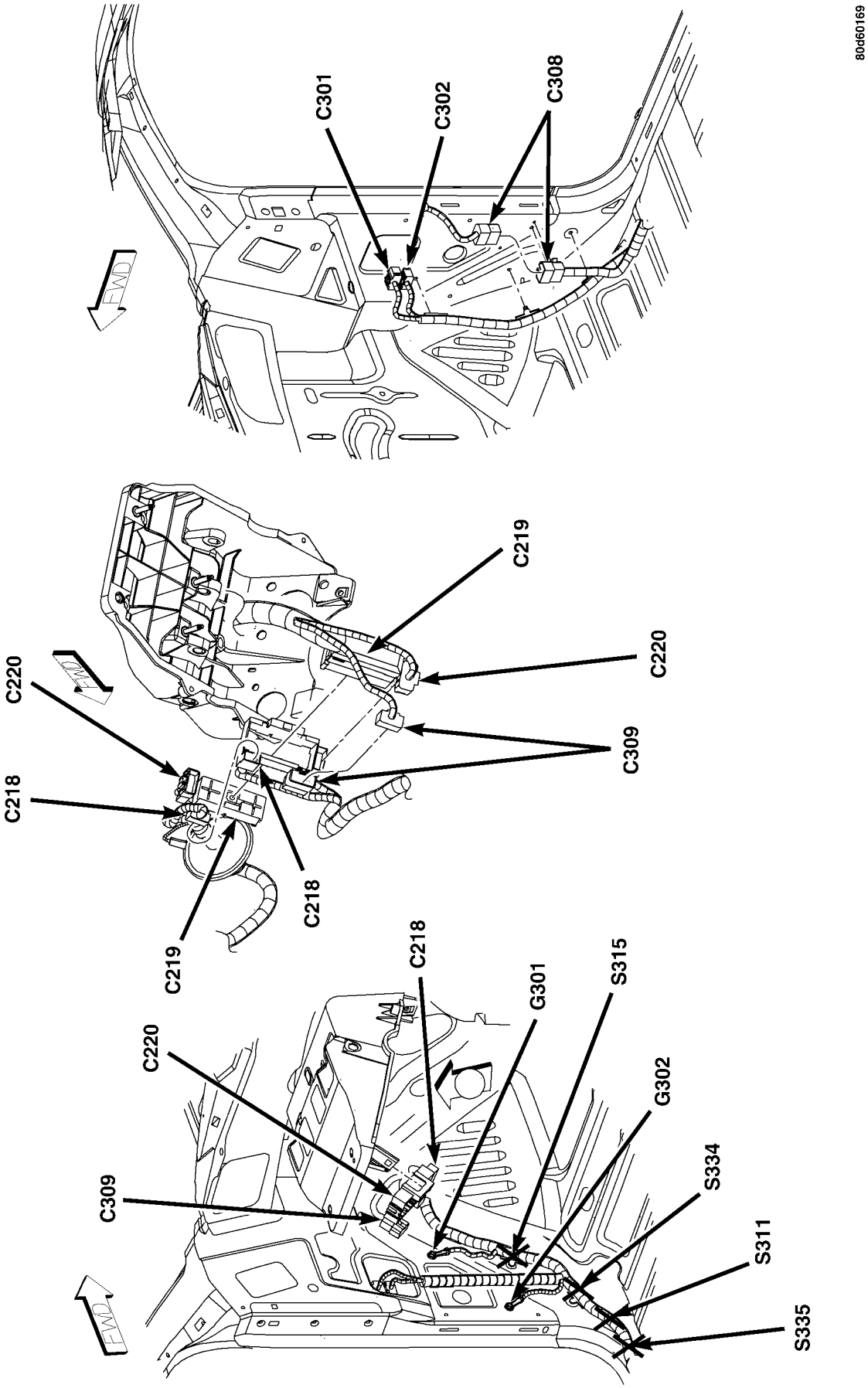


Fig. 41 STANDARD CAB FRONT BODY

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

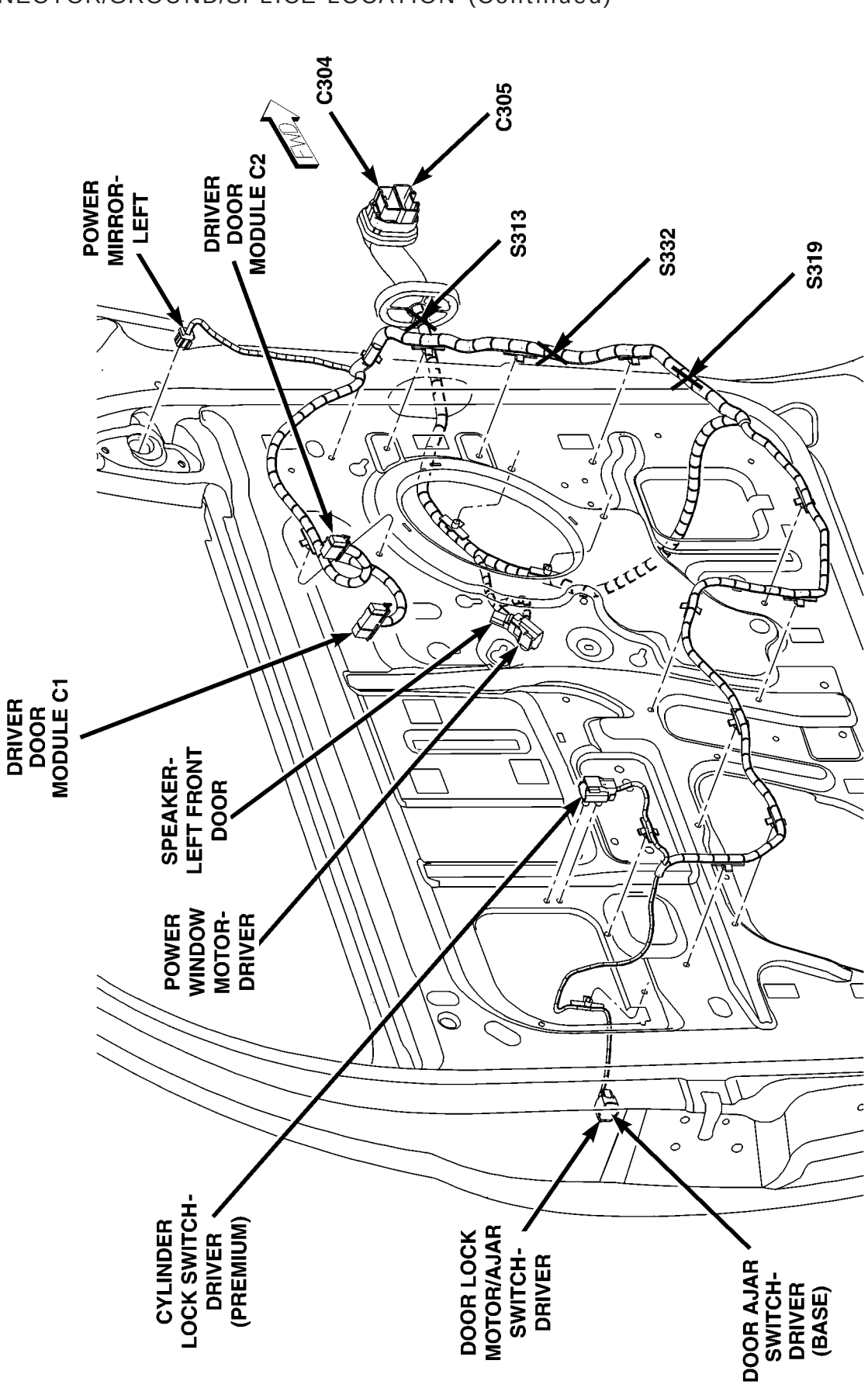


Fig. 42 STANDARD CAB LEFT FRONT DOOR PREMIUM

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

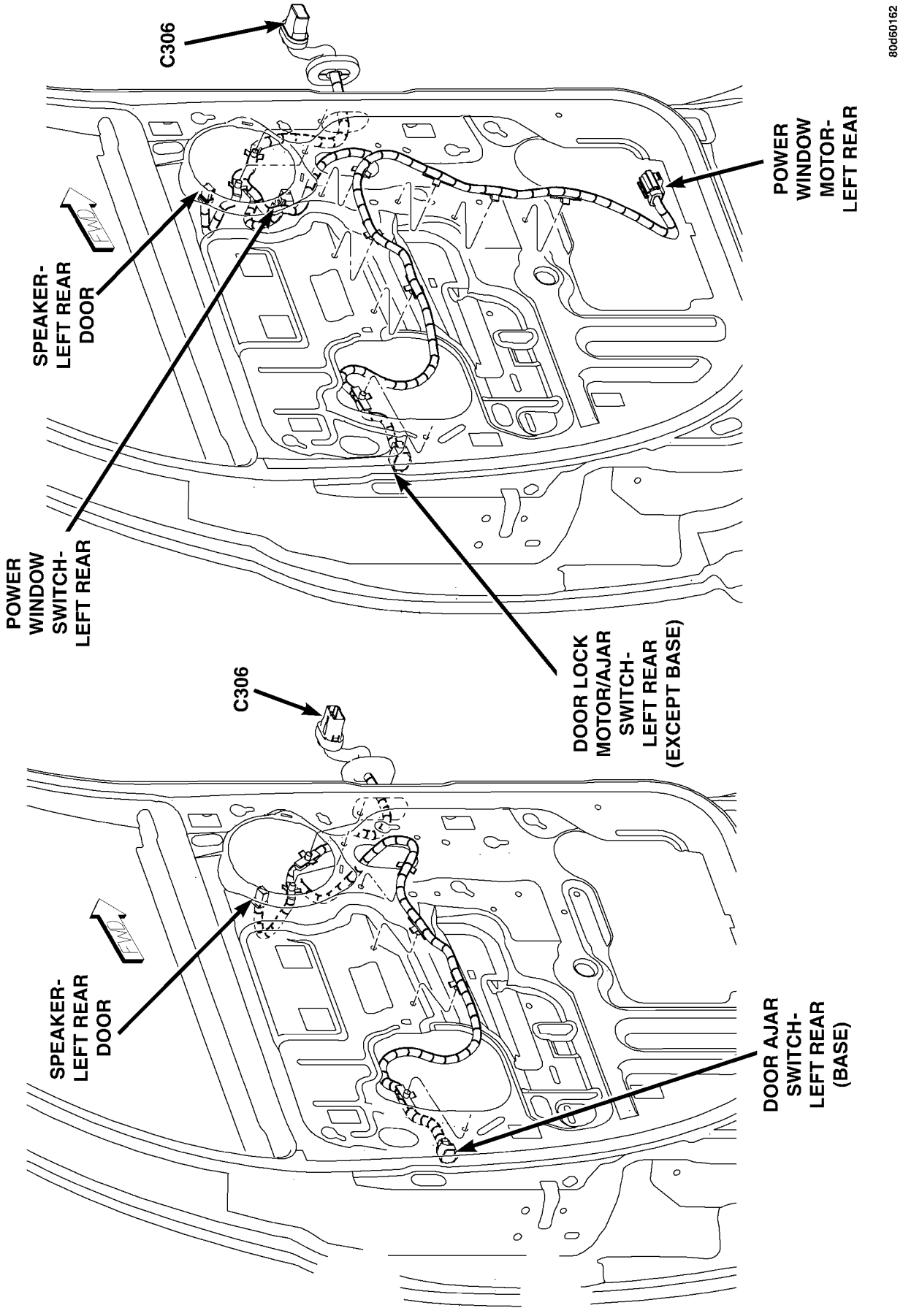


Fig. 43 LEFT REAR DOOR (RIGHT SIDE SIMILAR)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

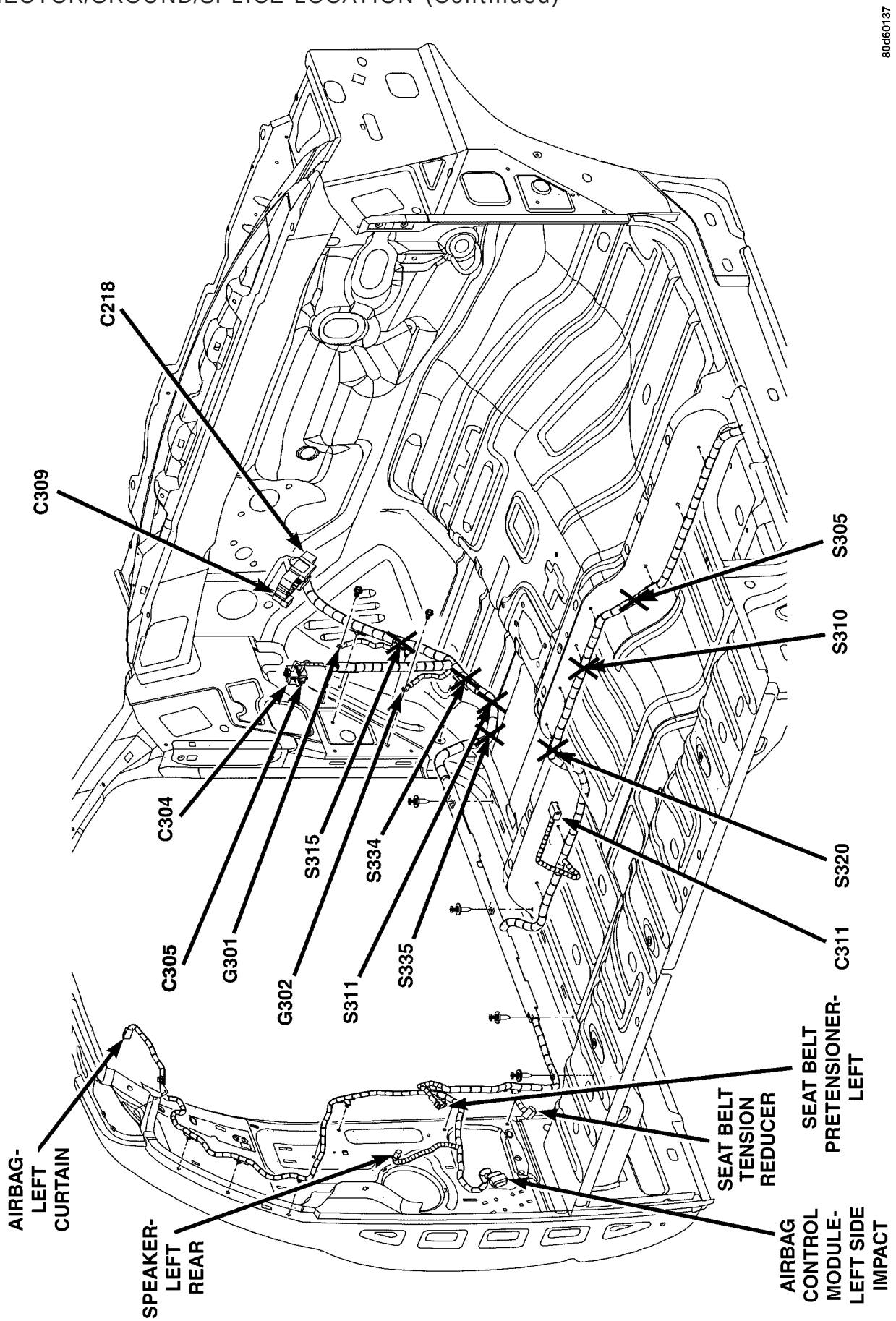


Fig. 44 STANDARD CAB LEFT SIDE BODY

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

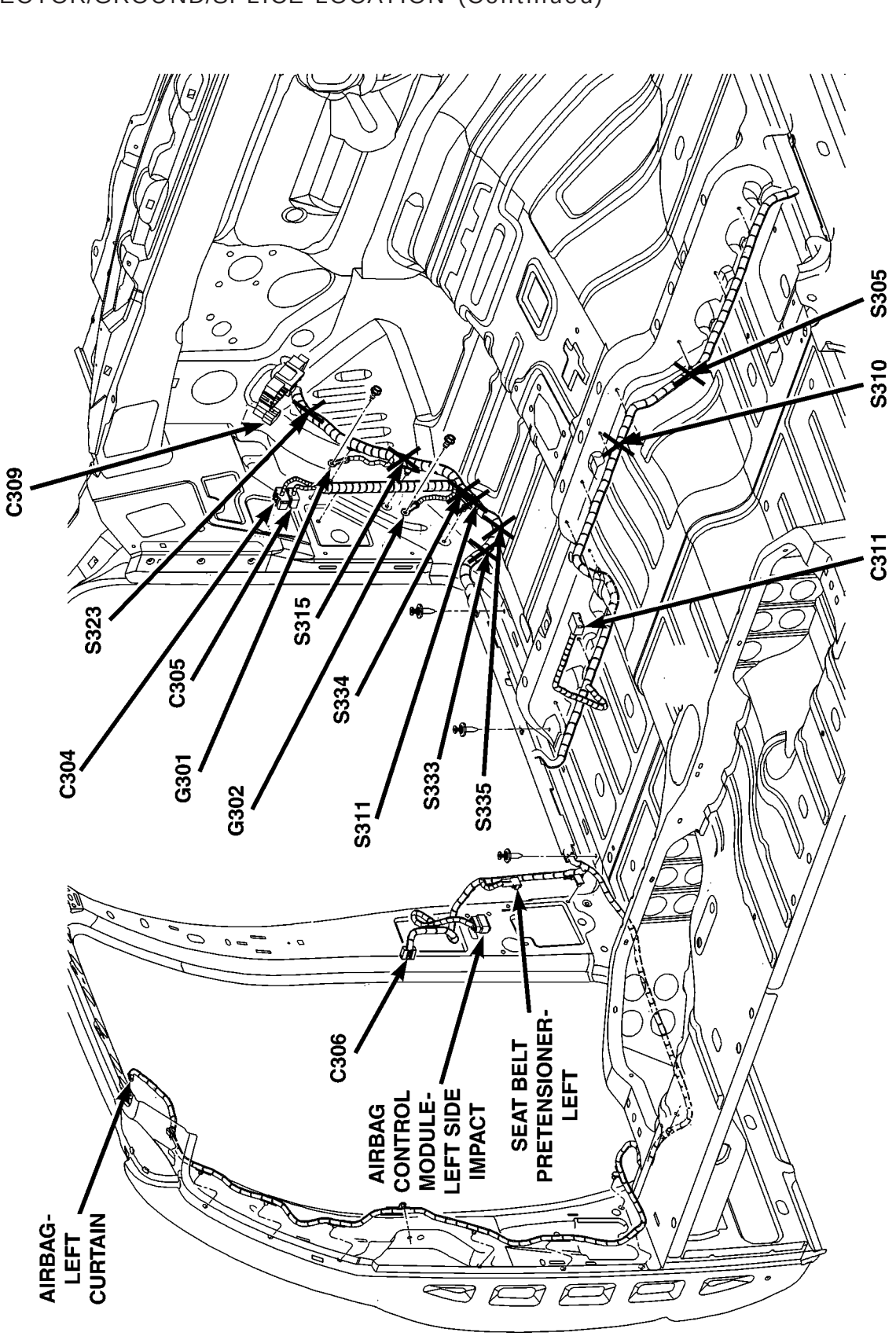


Fig. 45 QUAD CAB LEFT SIDE BODY

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

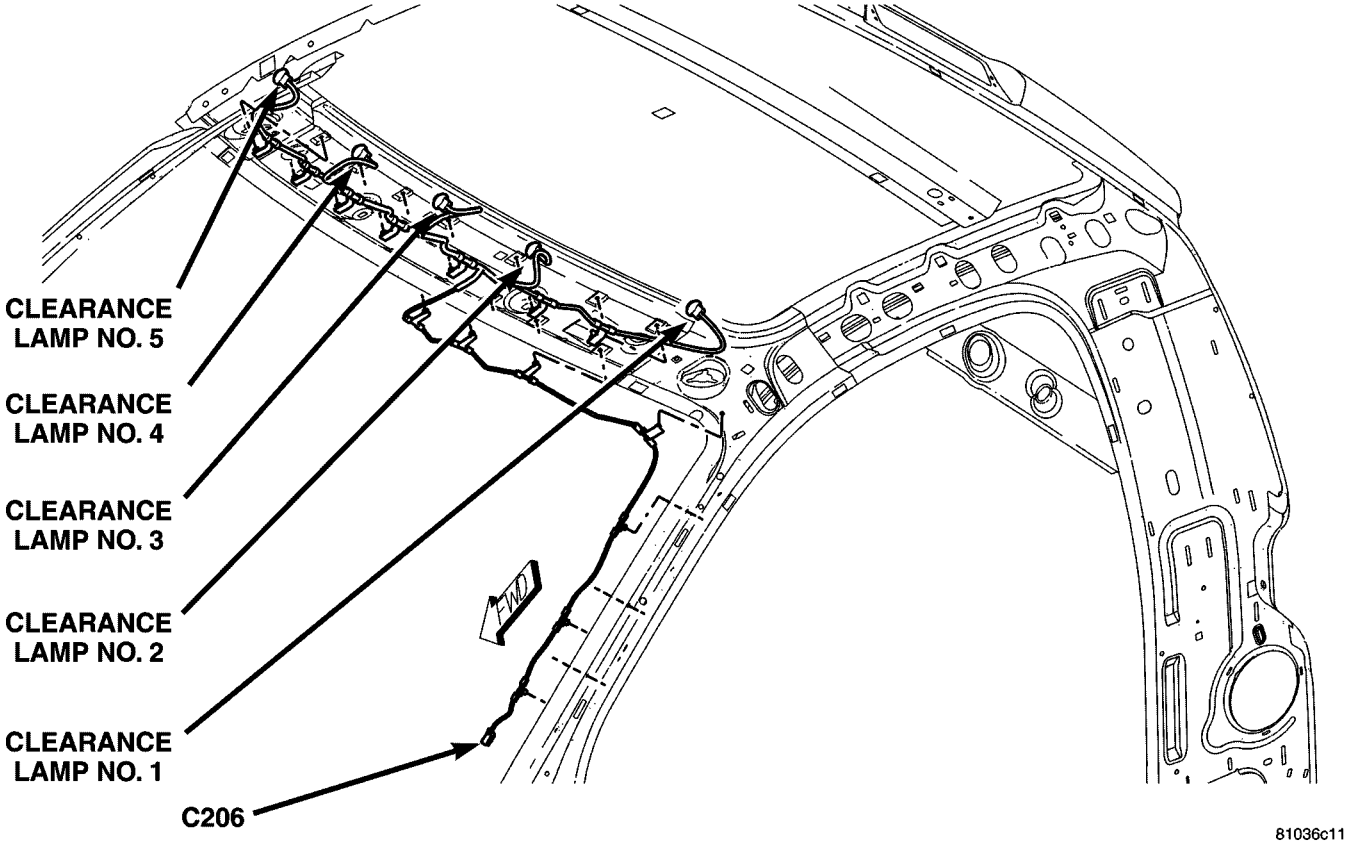


Fig. 46 ROOF

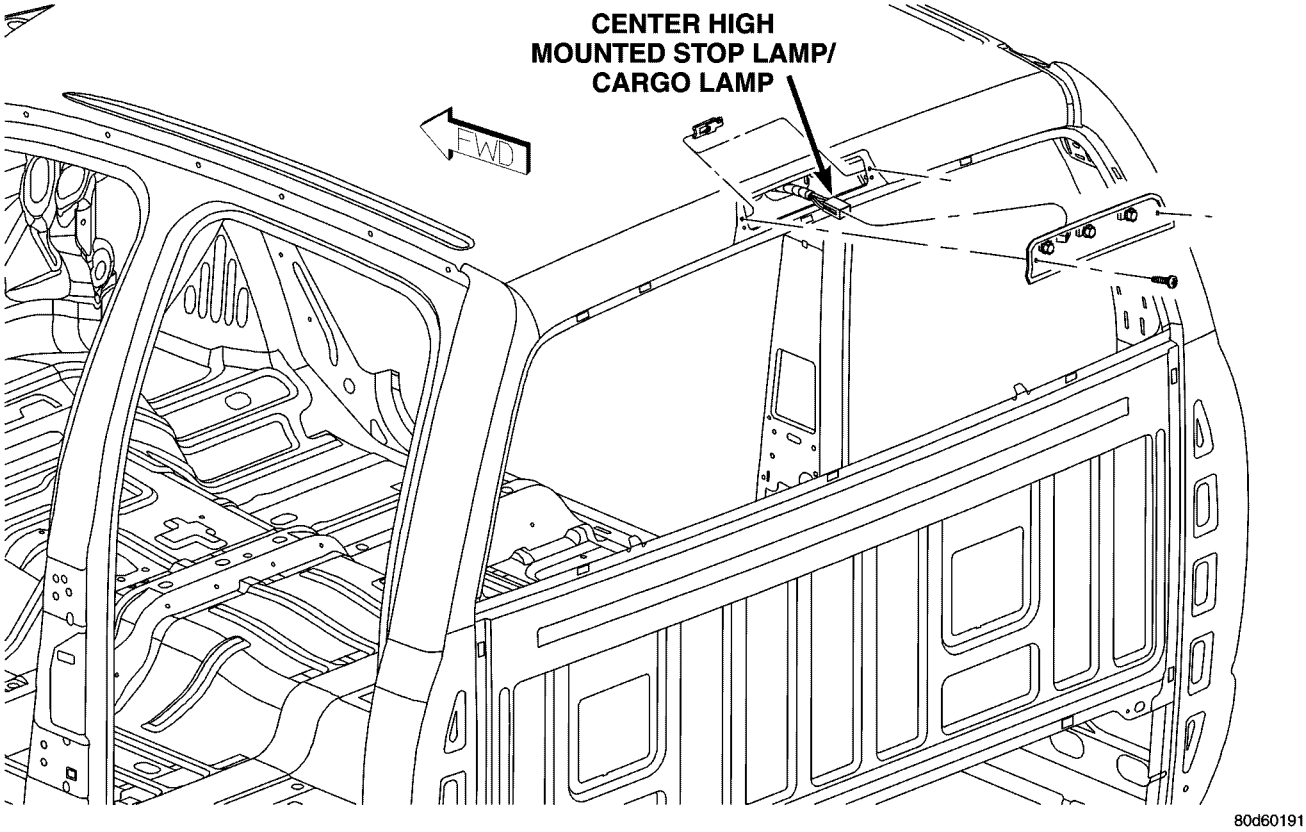


Fig. 47 REAR BODY

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

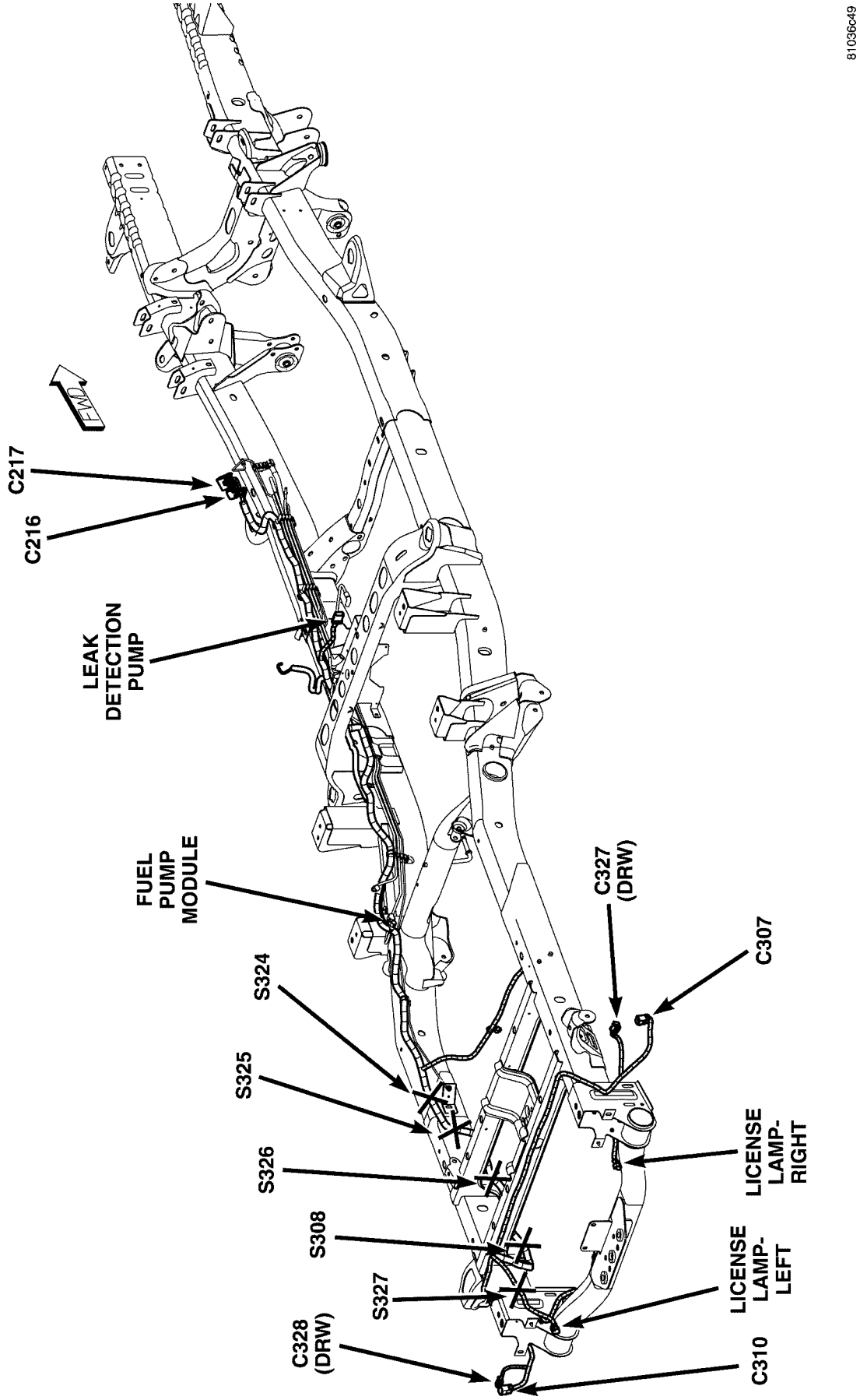


Fig. 48 CHASSIS

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

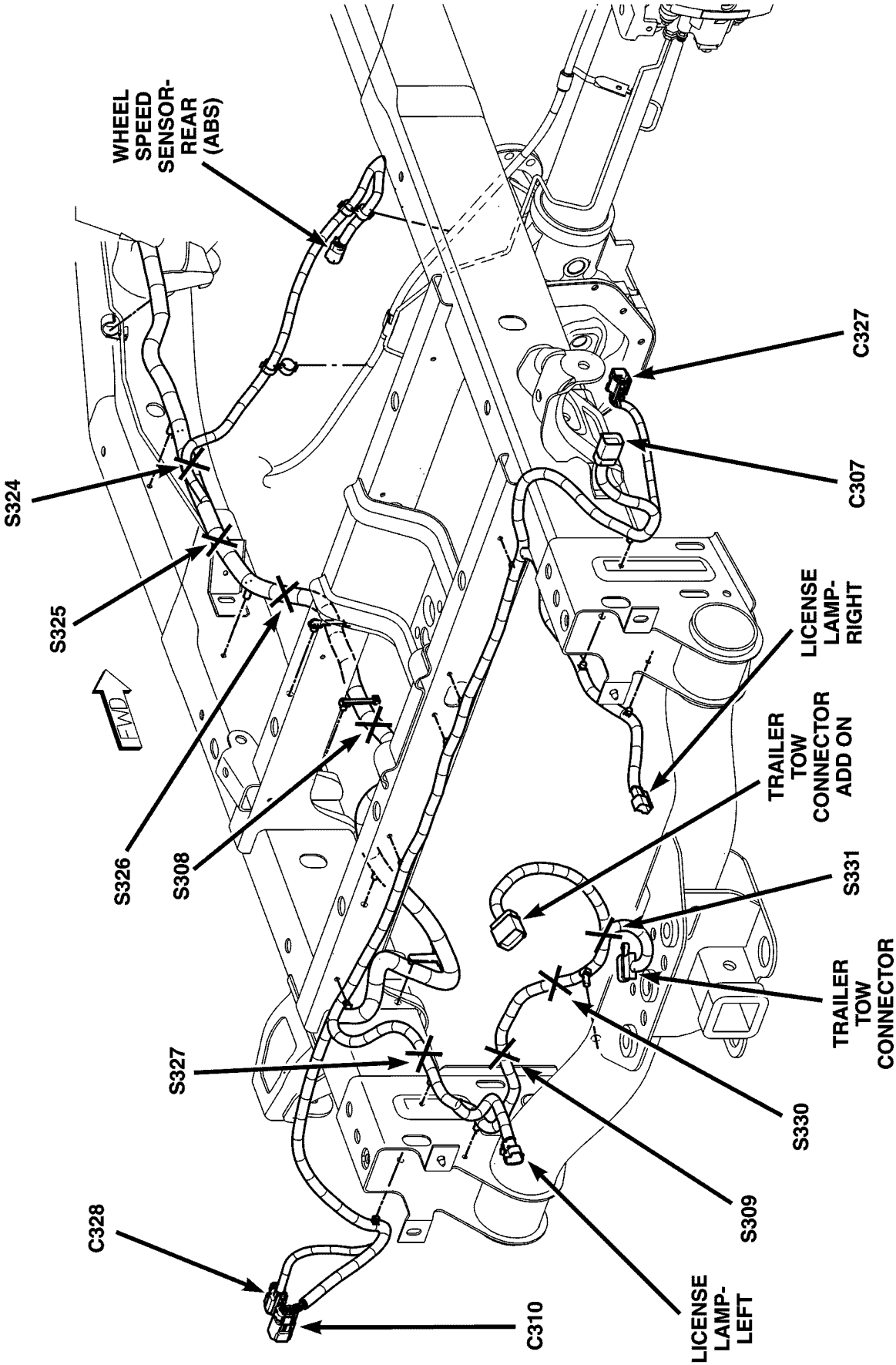


Fig. 49 REAR CHASSIS

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

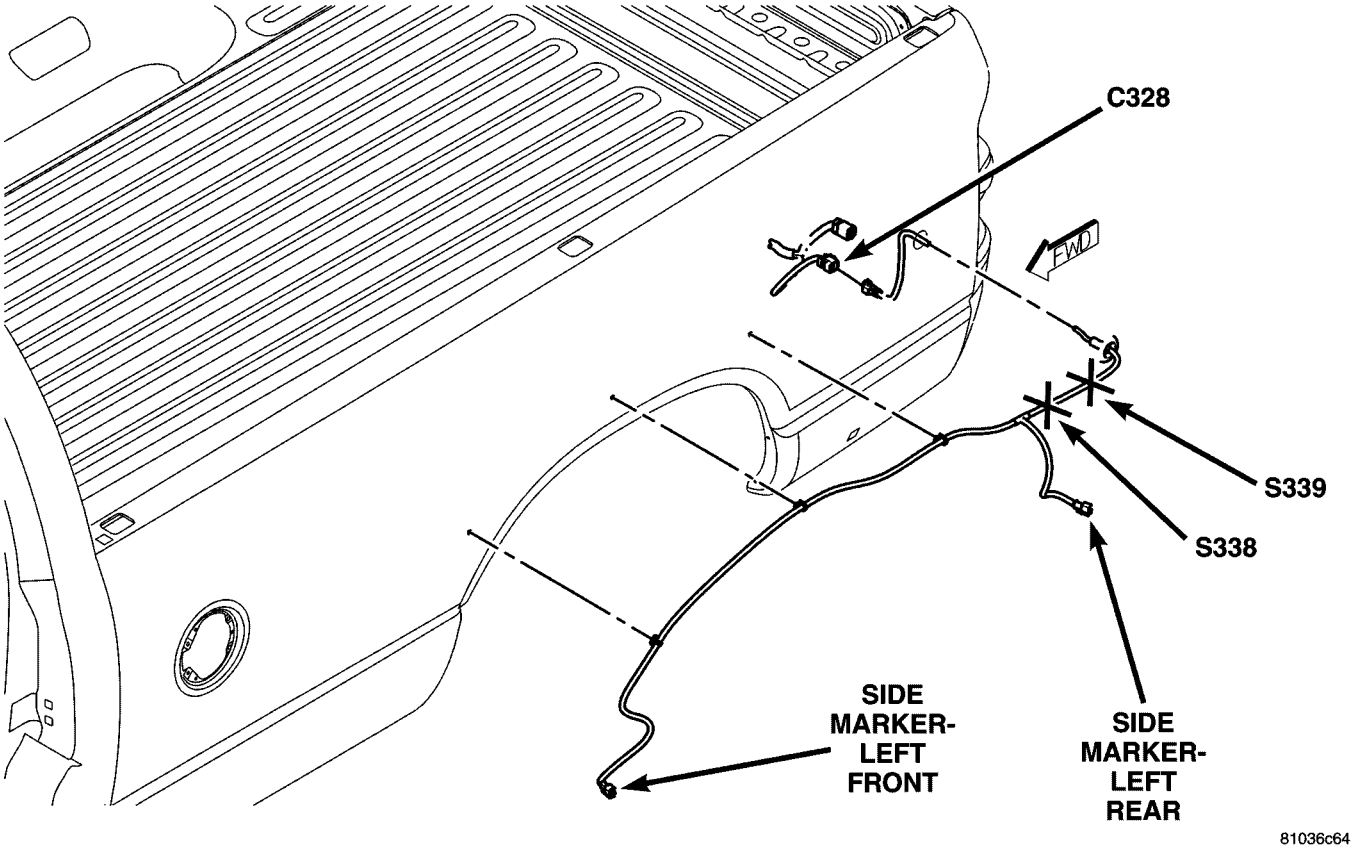


Fig. 50 LEFT REAR FENDER (RIGHT SIDE SIMILAR)

CONNECTOR/GROUND/SPLICE LOCATION (Continued)

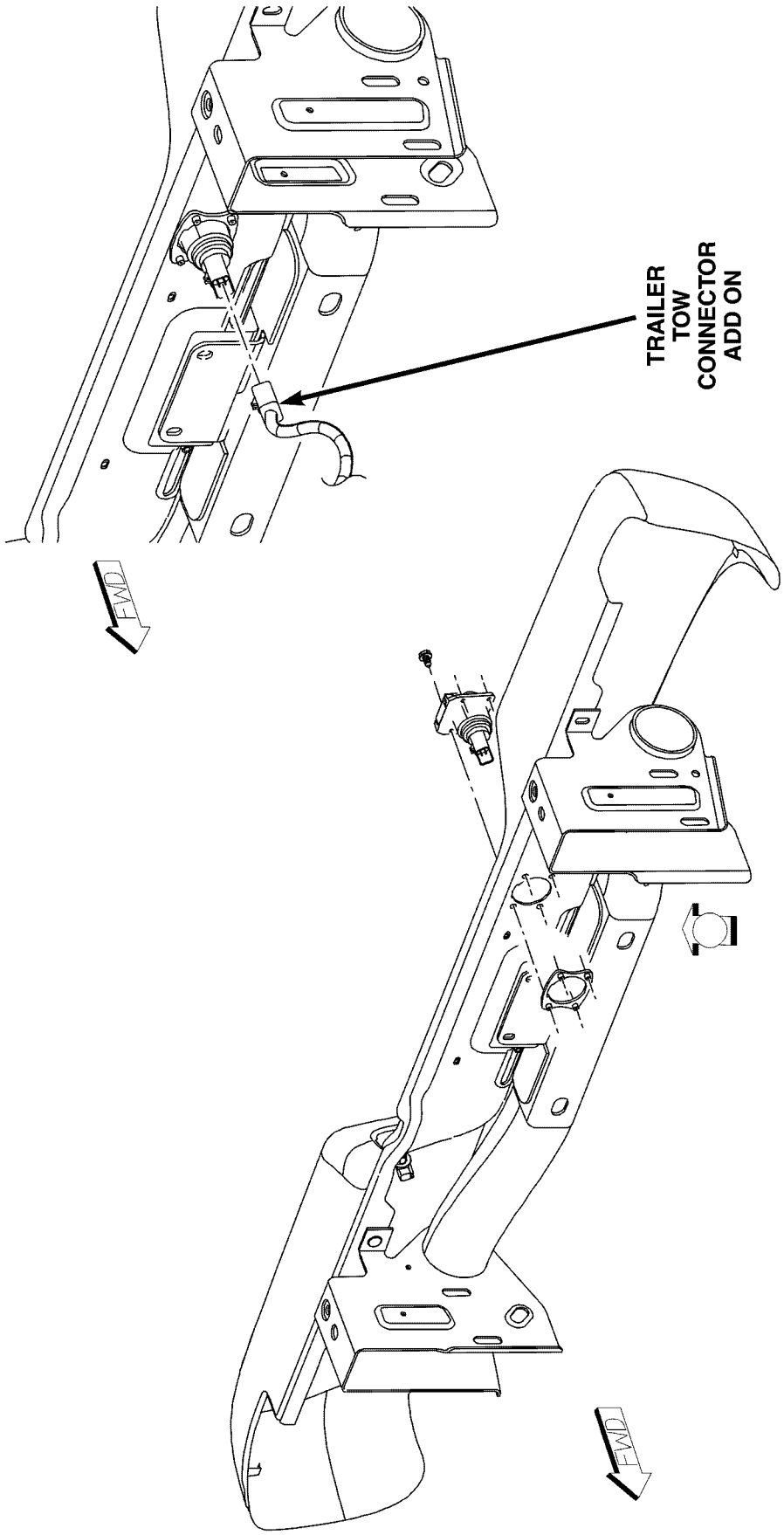


Fig. 51 REAR BUMPER

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.

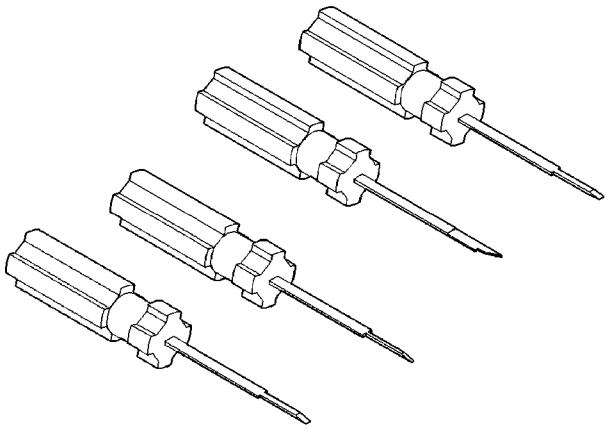
OPERATION

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

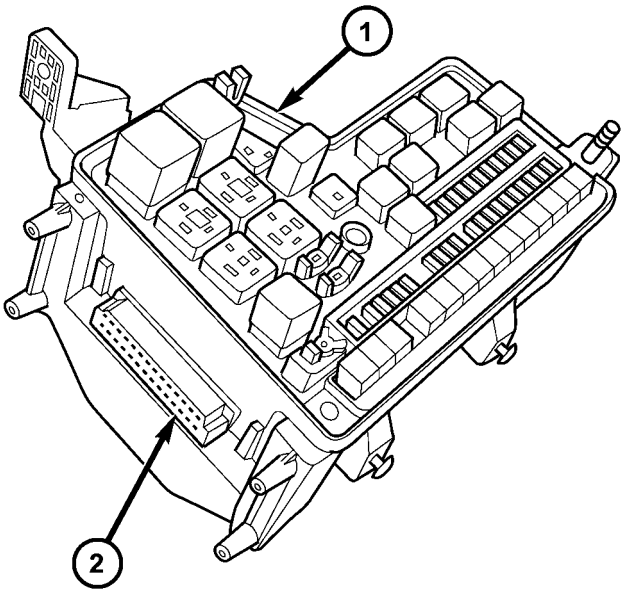


Fig. 1 DR INTEGRATED POWER MODULE

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.

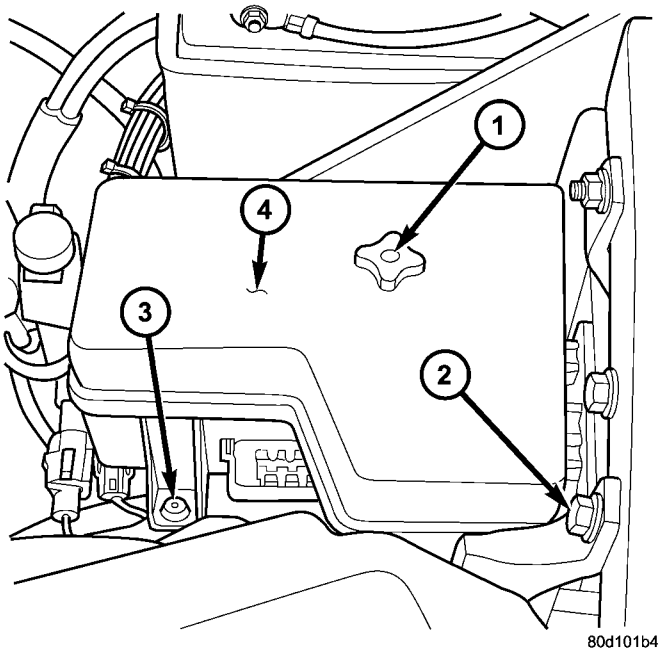


Fig. 2 DR INTEGRATED POWER MODULE

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).

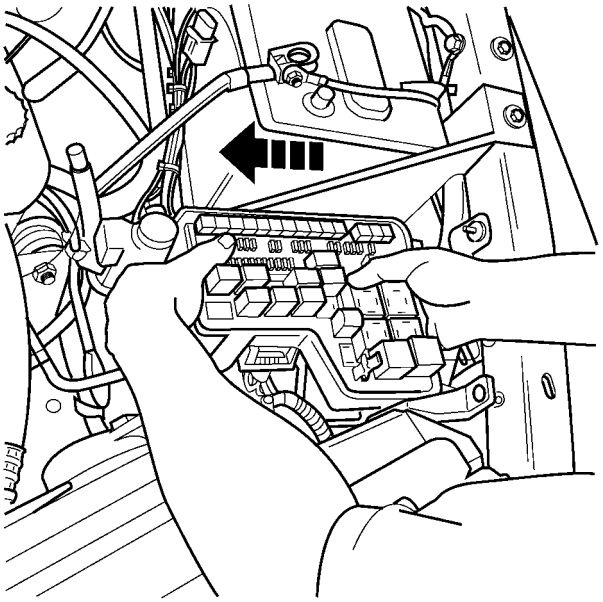


Fig. 3 REMOVING INTEGRATED POWER MODULE

(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.

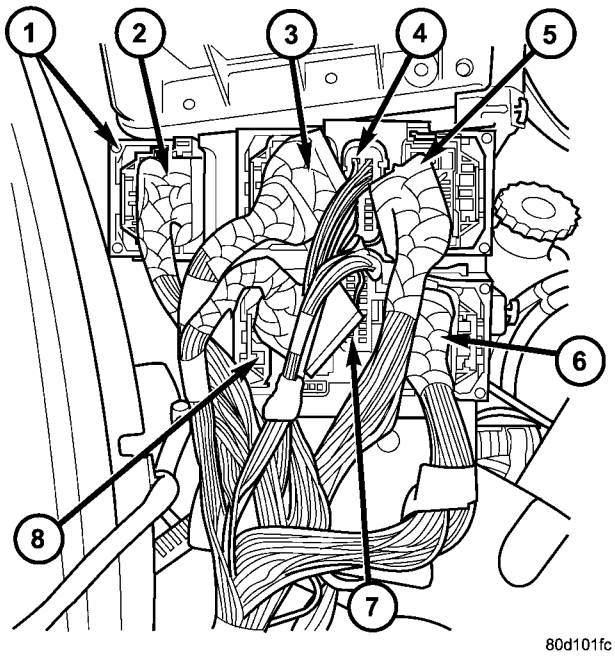


Fig. 4 INTEGRATED POWER MODULE ELECTRICAL CONNECTIONS

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)

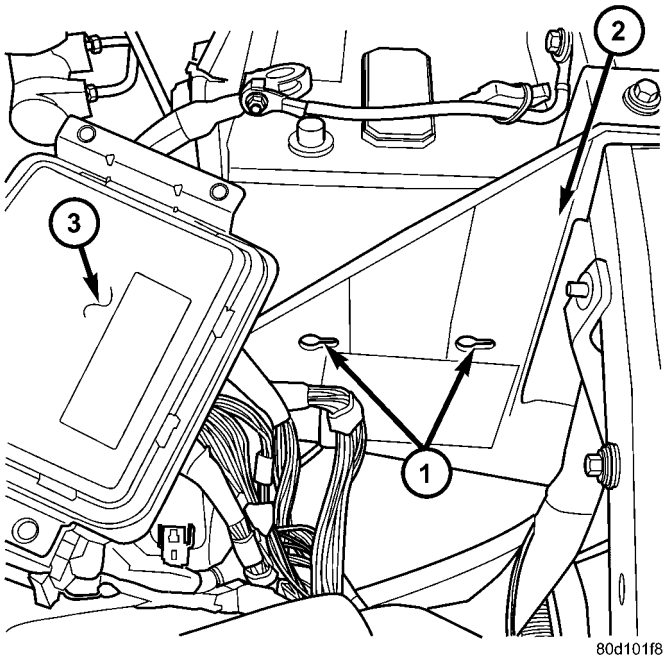


Fig. 5 INTEGRATED POWER MODULE MOUNTING TABS

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

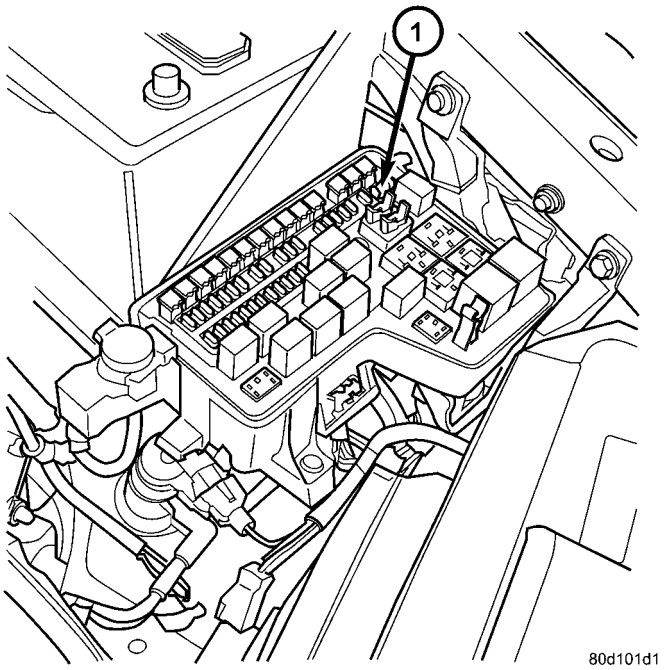


Fig. 6 IOD FUSE LOCATION

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)

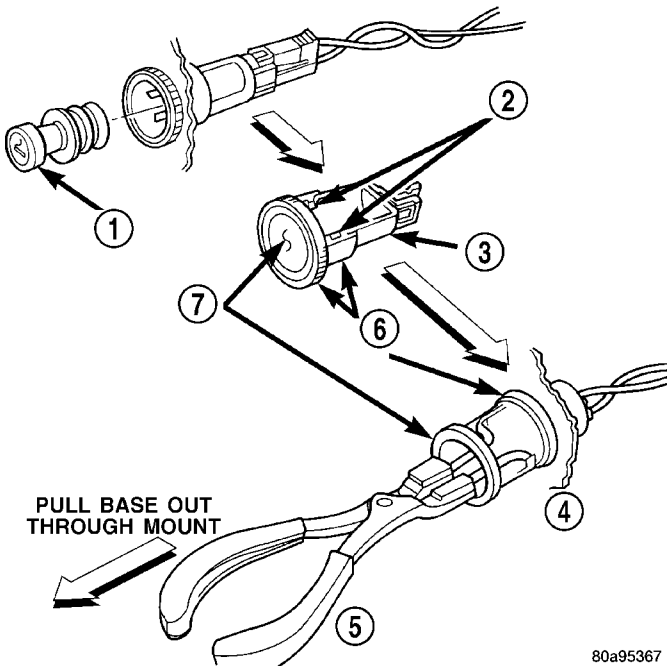


Fig. 7 Cigar Lighter and Power Outlet Remove/ Install

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.

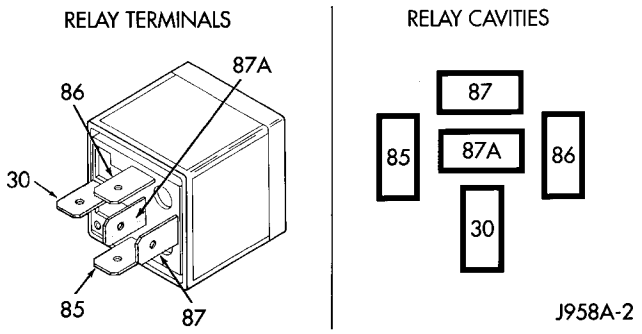


Fig. 8 ISO Relay

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

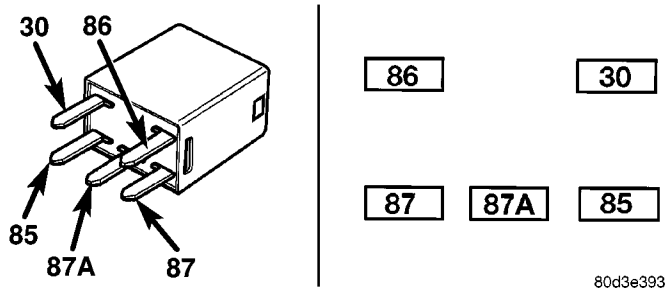


Fig. 9 DR ISO Micro Relay

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.