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# INTRODUCTION

## Version and Change Description

Version Number	Date	Content	Change Content	Applicable Model
Version 00	2023.12.26	Circuit Diagram	/	EXEED T1CFL1.6T RDE+7DCT

01

This manual contains the following 12 chapters:

Chapter No.	Section Name	Description
01	Introduction	Mainly includes the chapter overview, and applicable model for this manual.
02	How to Use This Manual	Instructions about how to use this manual.
03	Troubleshooting	Describes the basic inspection procedure for a circuit.
04	Abbreviation	Define the abbreviations used in this manual.
05	Terms and Symbols Table	Define symbols and functions of major parts.
06	Fuse and Relay Information	This section is used to quickly query the location distribution of fuses and relays; Circuit direction of fuse box and fuse and relay box.
07	Power Supply Distribution Center	This section can be used to check the load situation of each fuse and relay. This section can be used to check the related circuit fault together with the system circuit diagram.
08	Ground Point	If you want to quickly learn about the location of ground point, you can quickly learn about the distribution of ground point and the summary of the parts that share ground through this section.
09	Control Module Distribution Diagram and Terminal Definition	Represents the position of control module and terminal definition of control module. This section is closely related to system circuit.
10	Wire Harness Location Diagram	This section describes the position distribution of each wire harness and each connector and its front view.
11	System Circuit Diagram	Each system circuit will be drawn independently, easy to query a single system circuit.
12	Overall Circuit Diagram	Integrate and summarize system circuit diagrams according to modules.

# How to Use This Manual

## General Information

This manual provides circuit information for each system of the vehicle by separating the circuit of each system.

Displays the actual wire harness for each system circuit from the battery power supply to the ground point. (Switches in normal state (normally on or normally off) are shown in all circuit diagrams.)

When troubleshooting any fault, first understand the working condition of the circuit which the fault was detected (refer to the system circuit), the power supply (refer to the power supply) and the ground point (refer to the ground point).

Start troubleshooting the faulty circuit to solve the cause of the fault when understanding working condition of the circuit. Use the sections "Fuse Box Relay Information" and "Wire Harness Location" for parts, harness, connectors, and ground points of each system circuit.

Each system circuit indicates the wire harness associated with the system by arrows. If you need to understand the overall connection, refer to the "Overall Circuit Diagram" at the end of this manual.

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### Warning

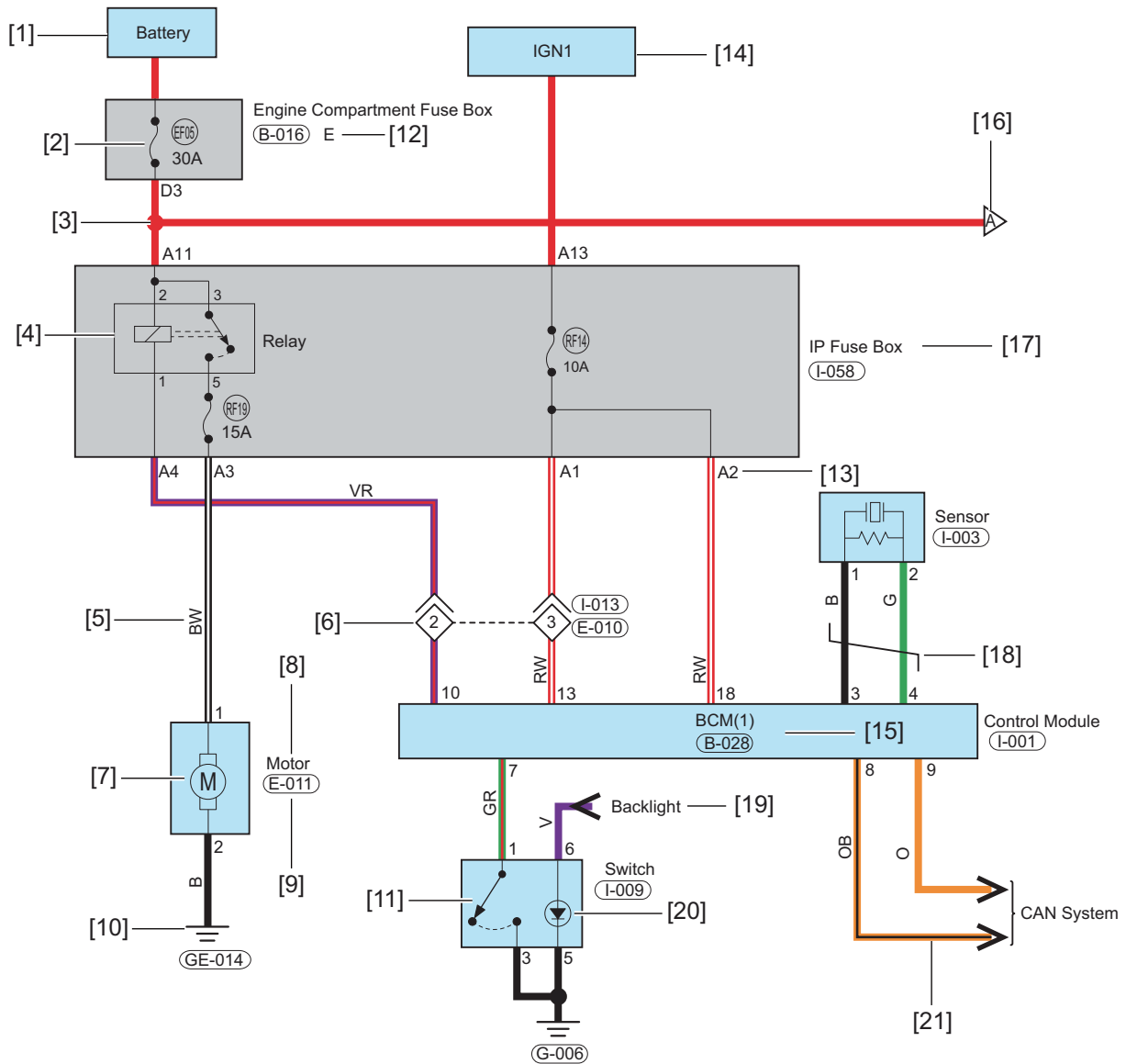
- The information in this manual is about wire harnesses. Information about components and assembly parts is for reference only. Please refer to the related repair manual.

## Circuit Diagram Description

Provide circuit diagram to help technicians determine and detect vehicle faults efficiently.

Function and feature of circuit diagram:

- Power supply circuit is at the top of the page and the ground circuit is at the bottom.
- Display components (such as switches and fuses) as simple labels on a circuit diagram.



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\* The displayed circuit diagram shown here is an example only. It is different to the actual circuit shown in "System Circuit" section.

The following table is the symbol table defined in the circuit diagram.

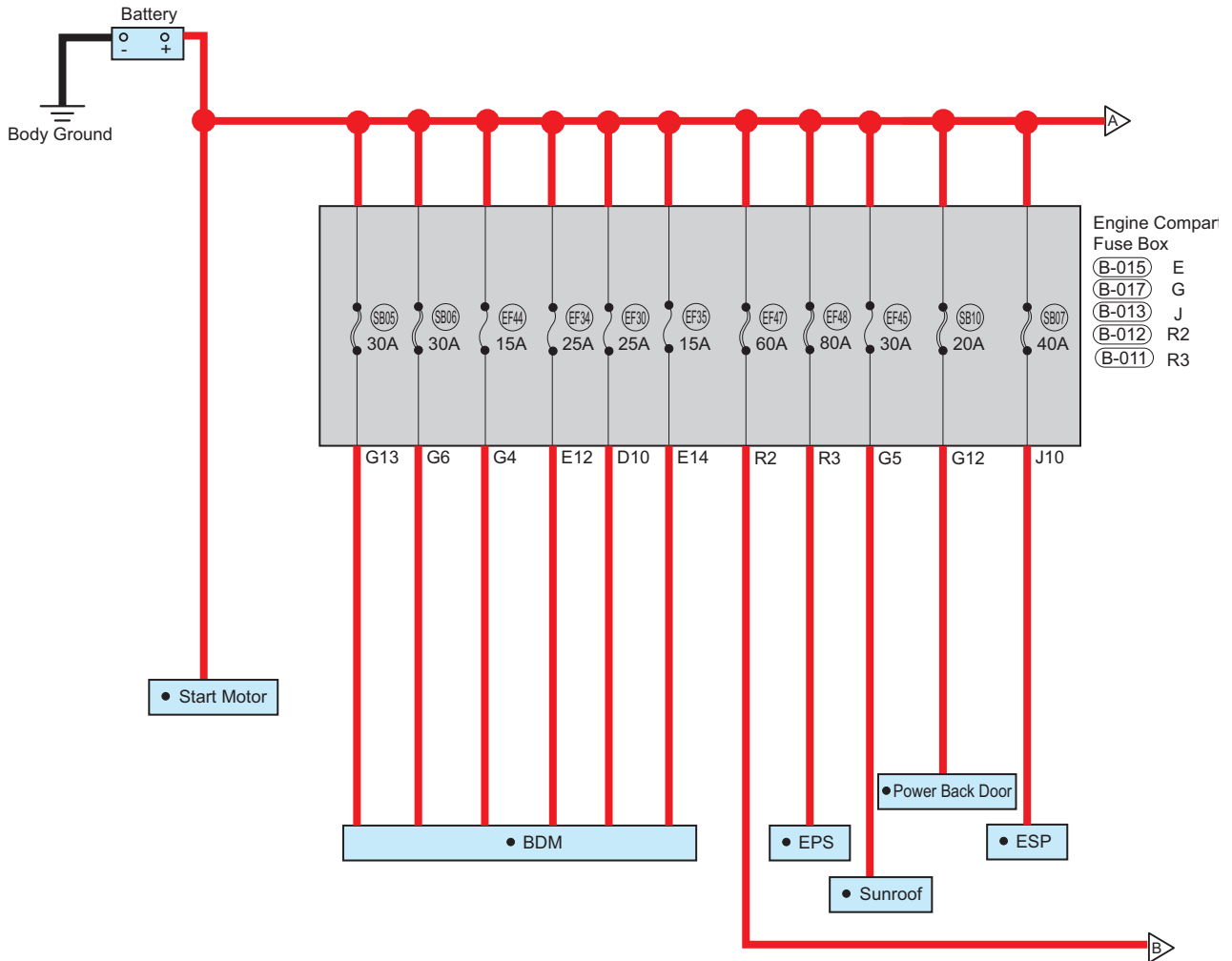
No.	Definition	Description
[1]	Battery	Indicates the power supply from positive battery of battery to electrical equipment.
[2]	Fuse	This symbol indicates a fuse; "EF05" indicates the fuse number; "30A" indicates the rated current of the fuse.
[3]	Junction Point	A solid circle indicates a cross connection between the crossed wires.
[4]	Relay	This symbol indicates a relay; "MAIN RELAY" indicates the relay name; "1", "2", "3", and "5", or "85", "86", "87", and "30" indicate the terminal number of relay.
[5]	Color	Indicates color of wire harness. The color code is as follows: B = Black; W = White; R = Red; G = Green; L = Blue; Y = Yellow; Br = Brown; O = Orange; Gr = Gray; P = Pink; V = Purple; Lg = Light Green. For example, "BrR" indicates that the primary color of the wire harness is brown and the secondary color is red.
[6]	Connector	Indicates the wire harness connector. "Λ" indicates female connector, "I-013" indicates the application number; "◇" indicates male connector, "E-010" indicates the application number. The numbers "2" and "3" on the inner side of male connector indicate the terminal number. "----" indicates different terminals from the same wire harness connector.
[7]	Motor	This symbol indicates a motor.
[8]	Component Name	Indicates a component name.

No.	Definition	Description
[9]	Connector code	<p>“E-011” indicates the connector code of this component. The letter “E” indicates the wire harness code of connector in wire harness. The connector code is as follows:</p> <p>Q = Front Bumper Wire Harness  E = Engine Wire Harness  I = Instrument Panel Wire Harness  B = Interior Wire Harness  J = Rear Bumper Wire Harness  F = Front Left Door Wire Harness  H = Front Right Door Wire Harness  L = Rear Left Door Wire Harness  R = Rear Right Door Wire Harness  T = Back Door Wire Harness  K = A/C Wire Harness  D = Transmission Wire Harness  Y = HSD Connecting Wire Harness  X = Display Connecting Wire Harness  U = USB Connecting Wire Harness</p>
[10]	Ground Point	Indicates ground point. For example, GQ-010, G indicates ground point, Q indicates the ground point is in the front bumper wire harness (different letters indicate the corresponding wire harness), and 010 indicates the number of ground point.
[11]	Switch	This symbol represents a switch.
[12]	Fuse and Relay Box Connector	For example, B-015 E, that is connector B-015 named in this circuit diagram manual corresponds to connector E of real vehicle fuse and relay box.
[13]	Terminal No.	Indicates the terminal number of the connector of the component.
[14]	Ignition Switch	Indicates the power supply from ignition switch to electrical equipment.
[15]	Module Name	Indicates the module connectors stacked up and down and their corresponding connector numbers.
[16]	Connect to	Indicates the wire harness connected to the circuit diagram on next page. Letter “A” is connected to “A” in circuit diagram on next page.
[17]	Fuse and Relay Name	Indicates names of fuses and relays.
[18]	Twisted Wire	Indicates two wires are twisted.
[19]	Background light power supply	Indicates illumination light power supply output from backlight adjustment switch.
[20]	LED	Used for indicator light, warning light or illumination light of switch or instrument cluster.
[21]	CAN	Indicates CAN wire harness in circuit diagram. Connected to CAN system.

## Power Supply Description

"Power Distribution Center" section describes the parts that transmit current from each power supply. In the power supply circuit diagram, explain the battery power supply to each system. Since all system circuit diagram start with the power supply, it is important to have a clear understanding of power distribution.

Example



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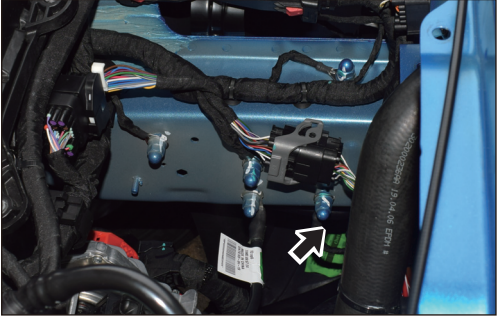
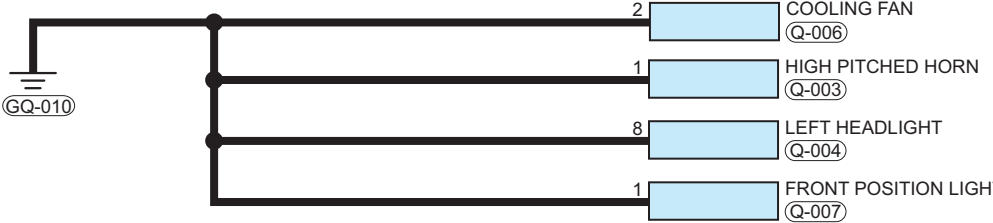
\* The system shown here is used as an example only. It is different to the actual circuit shown in "Power Supply" section.

## Ground Point Description

The ground point circuit diagram shows the connection from all major components to the corresponding ground point. When troubleshooting a fault ground point, check system circuits that use universal grounding may help to quickly identify fault grounding. You can also use this method to check the connection between ground points.

Example

02

Ground Position	Physical Graphics
<p>Inside of Left Side Rail</p>	
	

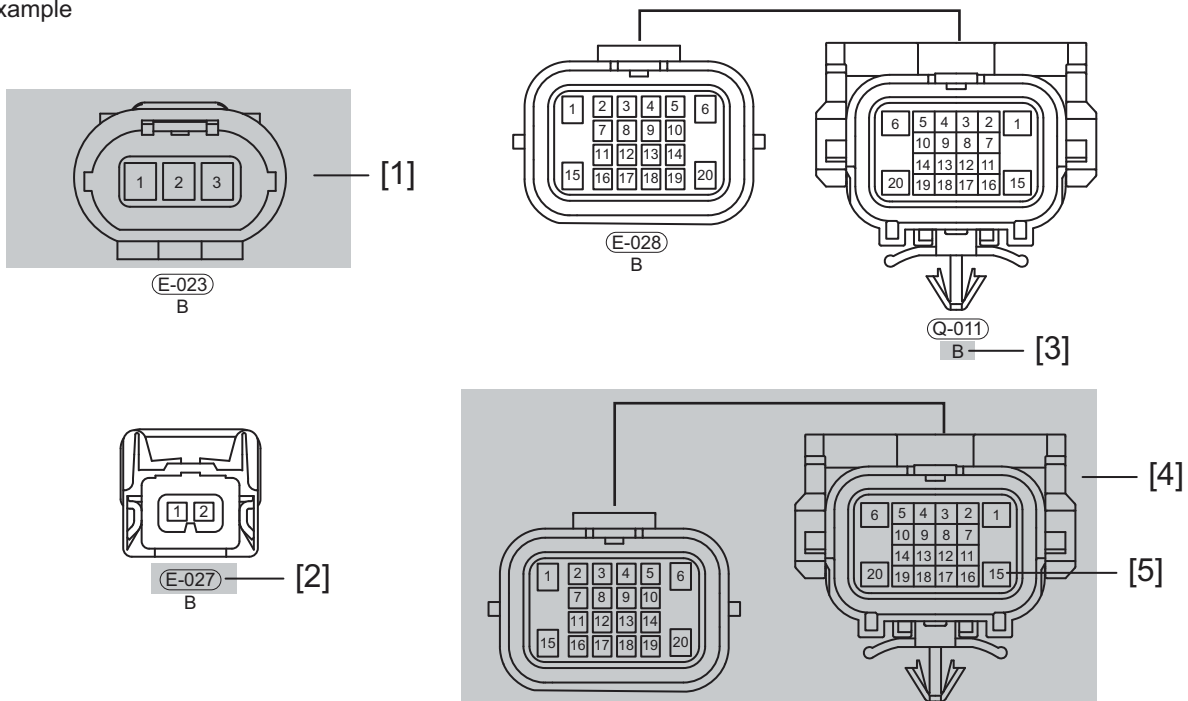
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\* The system shown here is used as an example only. It is different to the actual circuit shown in “Ground Point” section.



# Connector List Description

Example



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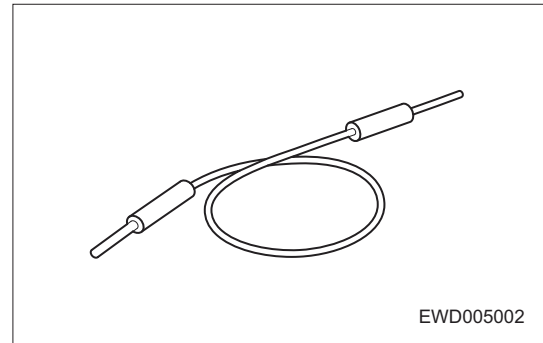
No.	Definition	Description
[1]	Connector	It indicates the connector connected to the part. (This number indicates the terminal number.)
[2]	Connector code	It indicates the connector code.
[3]	Connector color	It indicates the connector color.
[4]	Connecting wire connector	It indicates shape of connector that combines the wire harness Left side: Shape of male connector Right side: Shape number of female connector indicates terminal number.
[5]	Terminal No.	Numbers indicate terminal numbers. Numbering system for male and female connectors is different  Example: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Numbered sequentially from top left to bottom right</p> <p>Female</p> </div> <div style="text-align: center;"> <p>Numbered sequentially from top right to bottom left</p> <p>Male</p> </div> </div>

# Troubleshooting

## Electrical Malfunction Troubleshooting Tool

### 1. Jumper Wire

Jumper wire is used to establish temporary circuits. Connect jumper wire between terminals of the circuit to bypass switches.



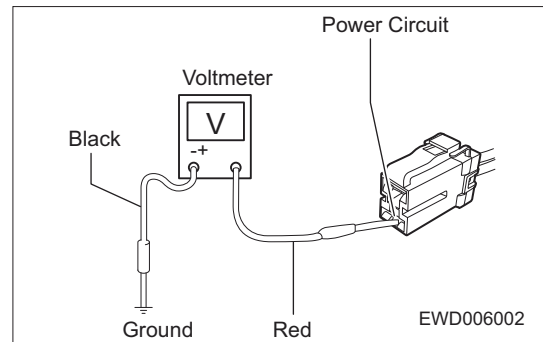
03

#### Warning

- Do not connect jumper wire between power source end and body ground, otherwise wire harness or electrical components may be damaged.

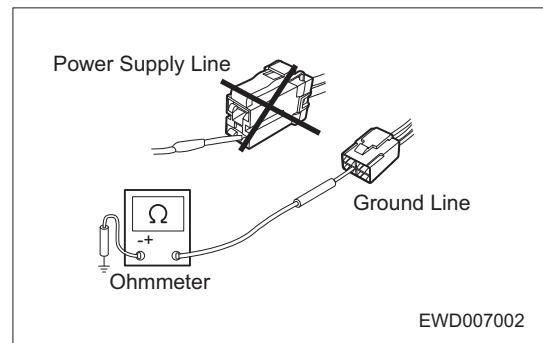
### 2. Voltmeter

Voltmeter is used to measure the circuit voltage. Measurement range should be higher than 15 V. Voltage is measured by connecting the positive probe (red) of voltmeter to positive lead of part to be tested and the negative probe (black) to the negative lead or body ground.



### 3. Ohmmeter

An ohmmeter is used to measure the resistance between two points in a circuit or to check the circuit for open or short.



#### Warning

- When applying voltage to the circuit, do not connect the ohmmeter to circuit, otherwise the measurement data may be inaccurate or even cause damage to ohmmeter.

## Electrical Malfunction Troubleshooting

### Wire harness Troubleshooting

Following six steps help troubleshoot wire harnesses. Be sure to check any non-genuine components added to the vehicle before performing any diagnosis. If the vehicle is equipped with such components, disconnect it to confirm that the added components are not the cause of fault.

To troubleshoot the wire harness, perform the following steps:

1. Confirm DTCs.
2. Look for any related faults (by checking components in the same circuit).
3. Analyze symptoms (use a circuit diagram to determine circuit layout, areas most likely to fail, and areas to proceed with diagnosis).
4. Isolate the failure area.
5. Repair the failure area.
6. Check if it is working properly (in this step, check if all items of repairing circuit are working properly).

### Voltage Test

1. Establish the condition that voltage is present at the checkpoint.

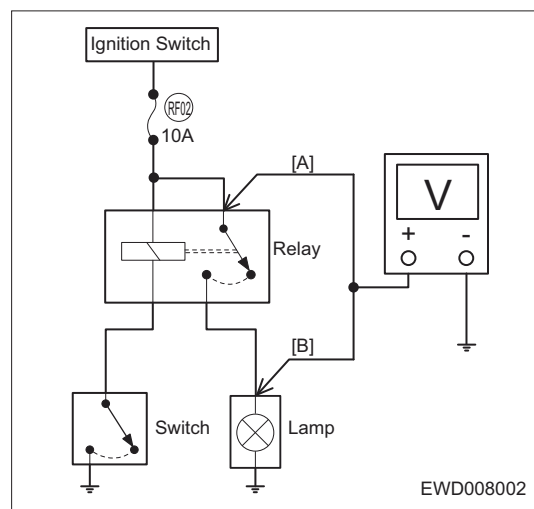
Example:

[A] - Ignition switch ON

[B] - Ignition switch and switch ON

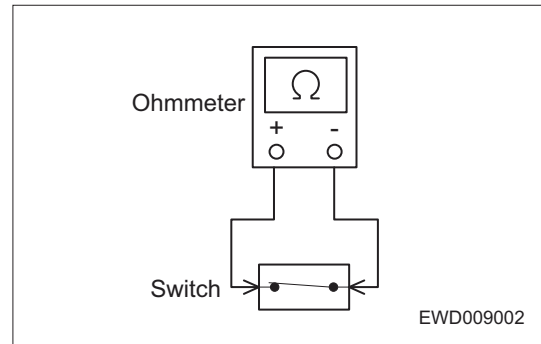
2. Use a voltmeter to connect the negative probe (black) to a good ground point or battery negative terminal, and connect the positive probe (red) to the connector or component terminal.

A test lamp may be used instead of a voltmeter during inspection.



## Circuit Continuity Test

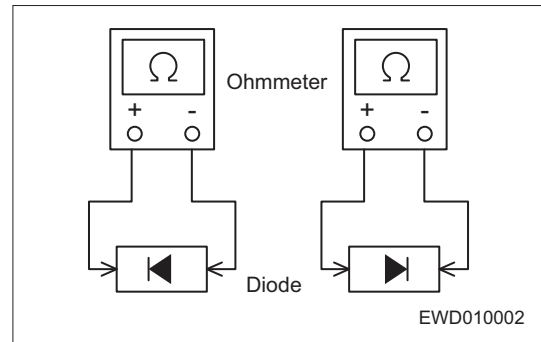
1. Turn off all electrical equipment and the ignition switch, and disconnect the battery negative cable.
2. Remove the tested circuit.
3. Connect the two probes of ohmmeter to both ends of tested circuit, and check the circuit conductivity (small resistance indicates good circuit conductivity).



If the circuit has diodes, exchange the two probes and check again.

Connect the negative probe (black) to the positive side of diode. When the positive probe (red) is connected to the negative side, it may be continuity.

If the two probes are exchanged, they should be no continuity.



## Short Test

1. Measure and record battery voltage.
2. Pull out the fuse of tested circuit or disconnect the power supply end of tested circuit.
3. Connect the positive probe of voltmeter (red) to the positive terminal of battery, and the negative probe (black) to power supply end of circuit.
4. Check the voltage value shown on voltmeter. If voltage value of battery is displayed, it indicates that the test circuit short to the ground.

A test lamp may be used instead of a voltmeter during inspection.

## Electrical Repair

### Wire Harness Repair

#### Warning

- Measure the length of lead to be repaired and select a suitable substitute lead before repair.
- If there are several leads to repair, shake the repair part.

1. Strip 0.5 inch insulation layer from repair leads and substitute leads.
2. Connect the original lead to substitute lead using a heat shrinkable tube and compress metal core of heat shrinkable tube with a tool to securely connect the original lead to substitute lead.
3. Heat the heat shrinkable tube to shrink the outer rubber layer and ensure that the service area is well sealed.
4. Wrap the service lead with insulating tape.

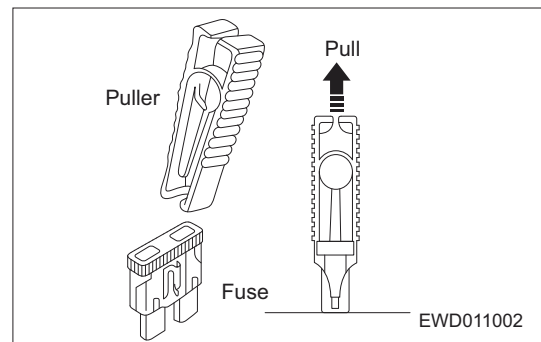
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### Fuse Replacement

#### Warning

- After replacing the fuse, perform a power on test. If the fuse is blown again, check the corresponding circuit for short. If any electrical equipment or additional equipment that exceeds the rated current is installed, replace the fuse with a higher current.

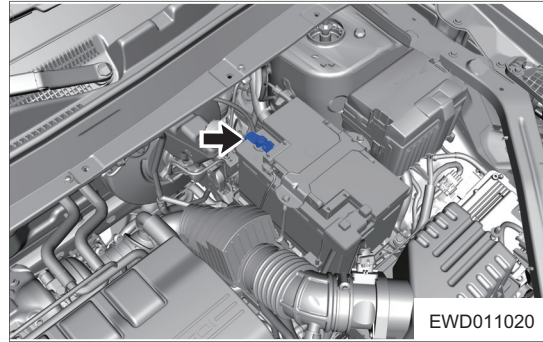
1. Before maintaining, turn off all electrical equipment and ignition switch.
2. Remove the blown fuse with the fuse puller.
3. Replace with a new fuse with same specification.



## Electrical Components

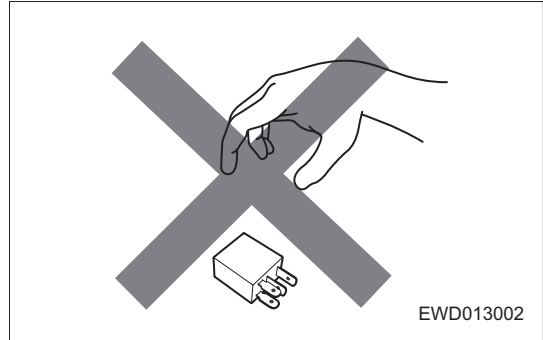
### 1. Battery Cable

Disconnect the negative battery cable before repairing electrical components (arrow).



### 2. Sensors, Switch and Relay

Do not drop or knock sensors, switches or relays during maintenance to avoid damaging components.



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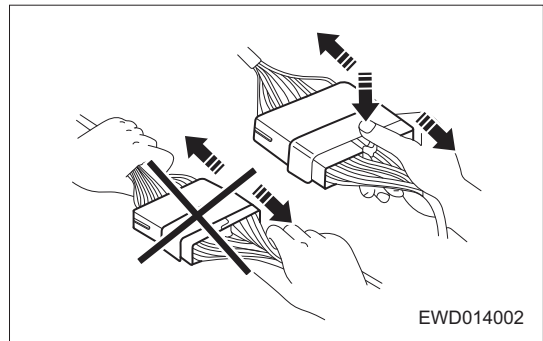
#### Warning

- Use relays with same specifications as the original relay during replacement.

### 3. Connector

#### a. Disconnect the connector.

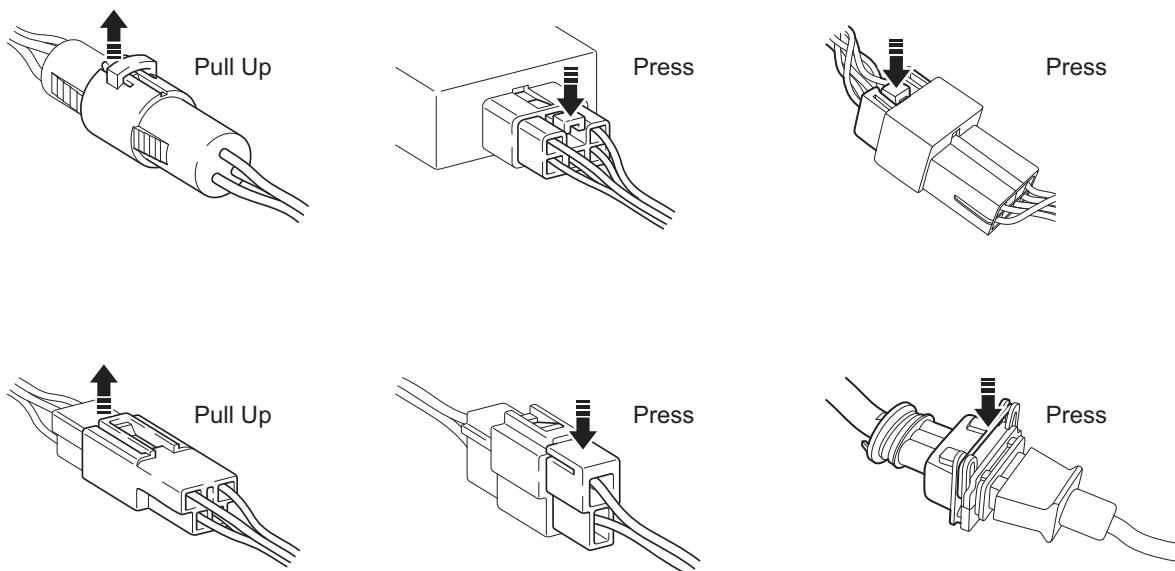
To pull away from the connector, pull on the connector itself and press the connector clip to disconnect it.



#### Warning

- When disconnecting connectors, do not forcibly pull the wire harness to avoid damaging components.

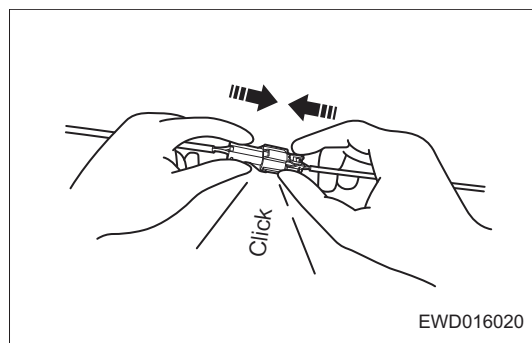
There are many ways to secure the connector clip. The following figure shows the common disconnection method.



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b. Install the connector.

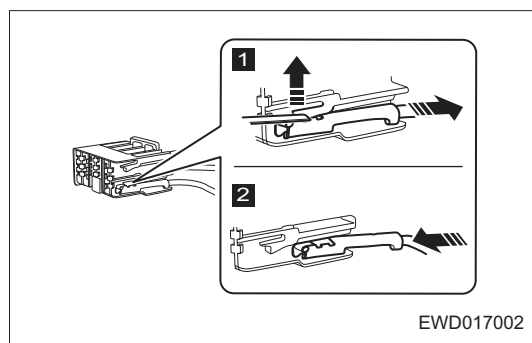
When the connector is installed in place, a "click" is heard.



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c. Replace the connector terminal.

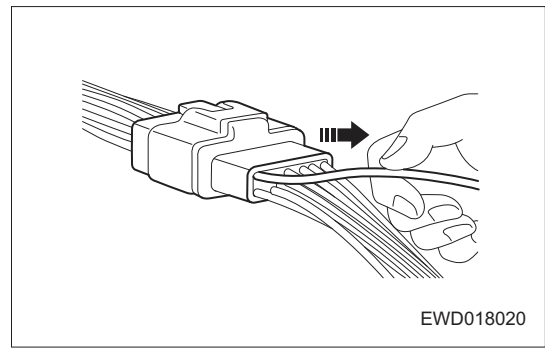
As shown in figure (1), insert appropriate tool into the terminal to lift fixing clip, and then pull out terminal from back side. As shown in figure (2), push the terminal from back of connector to ensure that fixing clip is installed in place.



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d. Check the connector terminal.

Gently pull on a terminal wire harness to check if it is installed in place.






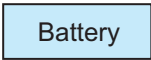

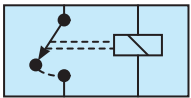
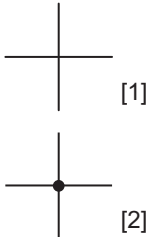

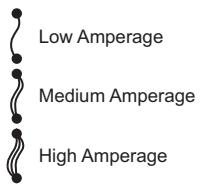
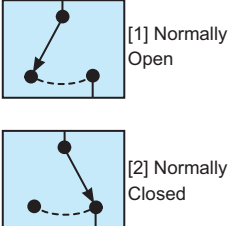

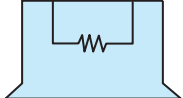
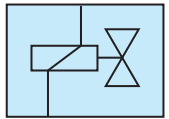
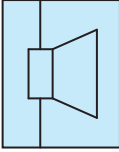

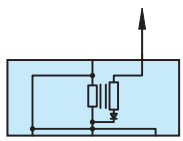

# Abbreviation

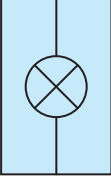

This manual uses the following abbreviations.

Abbreviation	Terms
A	A
ABM	Airbag Module
ACP	Audio Control Panel
APA	Automatic Parking Assist Module
AVM	Panoramic View Monitor Control Module (two configurations: AVM, AVM (with APA))
BDM	Body Control Module (BCM)
BSD	Blind Spot Monitoring System
CAN	Controller Area Network
CGW	Central Gateway Module
CLM	Automatic A/C Control Module
CWC	Wireless Charging Module
DCM	Domain Controller (Integrated with two separate systems: Instrument cluster and audio)
DCT	Double-clutch Transmission
DVR	Driving Recorder
EGS	Electronic Shift Module
EMS	Engine Anti-theft Module
EPS	Electric Power Steering Module
ESP	Electronic Stability System (Integrated EPB Module)
FCM	Front Camera Module
FRM	Front Radar Module
ICM	Instrument Cluster
IGN	Ignition Power Supply
IMMO	Engine Immobilizer System
KL15	Ignition Power Supply
KL30	Battery Power Supply
PEPS	Passive Entry and Passive Start System
PLG	Power Back Door
Radar	Parking Radar Assist System
RLY	Relay
RRM	Audio Entertainment System

Abbreviation	Terms
SAM	Steering Angle System
SCU	Seat Control Module
TBOX	Wireless Communication Module
TCU	Transmission Control Module
TPMS	Tire Pressure Monitoring System
V	Volt

# Terms and Symbols Table

 	<p><b>Battery</b> Store chemical energy and convert it into electrical energy. Provide direct current for various circuits.</p>		<p><b>Ground</b> Wire harness connects the points of vehicle body, so as to provide a loop for circuit; Without a ground line, current cannot flow.</p>
	<p><b>Relay</b> Generally, an electronically operated switch that can be normally closed or opened. Current flowing through small coil generates a magnetic field that can open or close contact switch.</p>		<p><b>Wire harness</b> Wire harness is always represented by a straight line on circuit diagram. If there is no black dot at the intersection, it indicates that it is not connected; A black dot at the intersection indicates a cross connection.</p>
	<p><b>Motor</b> A power device that converts electrical energy into mechanical energy, especially rotational motion.</p>		<p><b>Fuse</b> A metal sheet that fuses when excess current passes through, blocking current to prevent damage to circuit.</p>
	<p><b>Switch</b> Therefore, open and close circuit, stop [1] or allow [2] to be energized.</p>		<p><b>Twisting</b> The two wire harnesses are twisted together and used to transmit signals.</p>
	<p><b>Speaker</b> The utility model relates to an electromechanical device which can generate sound waves by using current.</p>		<p><b>Solenoid Valve</b> The utility model relates to an electromagnetic coil, which can generate a magnetic field when a current flows, so as to move an iron core, etc.</p>
	<p><b>Horn</b> An electronic device that can send high-frequency audio signals.</p>		<p><b>LED (Light Emitting Diode)</b> Light emitting diodes also use current to light. Compared with ordinary light, they do not generate heat when lighting.</p>
	<p><b>Ignition Coil</b> Convert low-voltage DC current into high-voltage ignition current to ignite spark plug.</p>		<p><b>Resistor</b> Electrical components with fixed resistance are installed in circuit to reduce voltage to specified value.</p>

	<p>Lamp Current flows through filament, making filament hot and luminous.</p>		<p>Heating wire harness A resistance heating element.</p>
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# Fuse and Relay Information

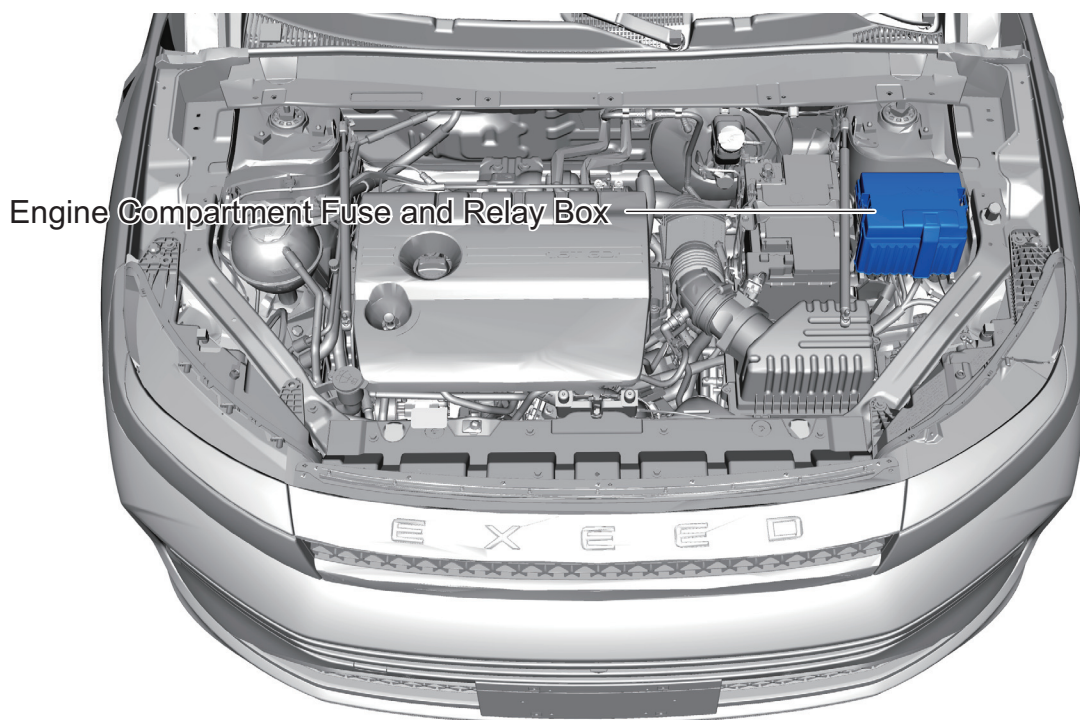
## General Information

Each system shall be equipped with fuses and relays to ensure normal operation of vehicle electrical system. The fuse and relay are integrated in a fuse and relay box and installed in the following positions of the vehicle:

- Engine compartment fuse and relay box: located on the left side of the engine compartment and behind the battery.
- Instrument panel fuse and relay box: Located in the lower left of instrument panel.

## Engine Compartment Fuse and Relay Box

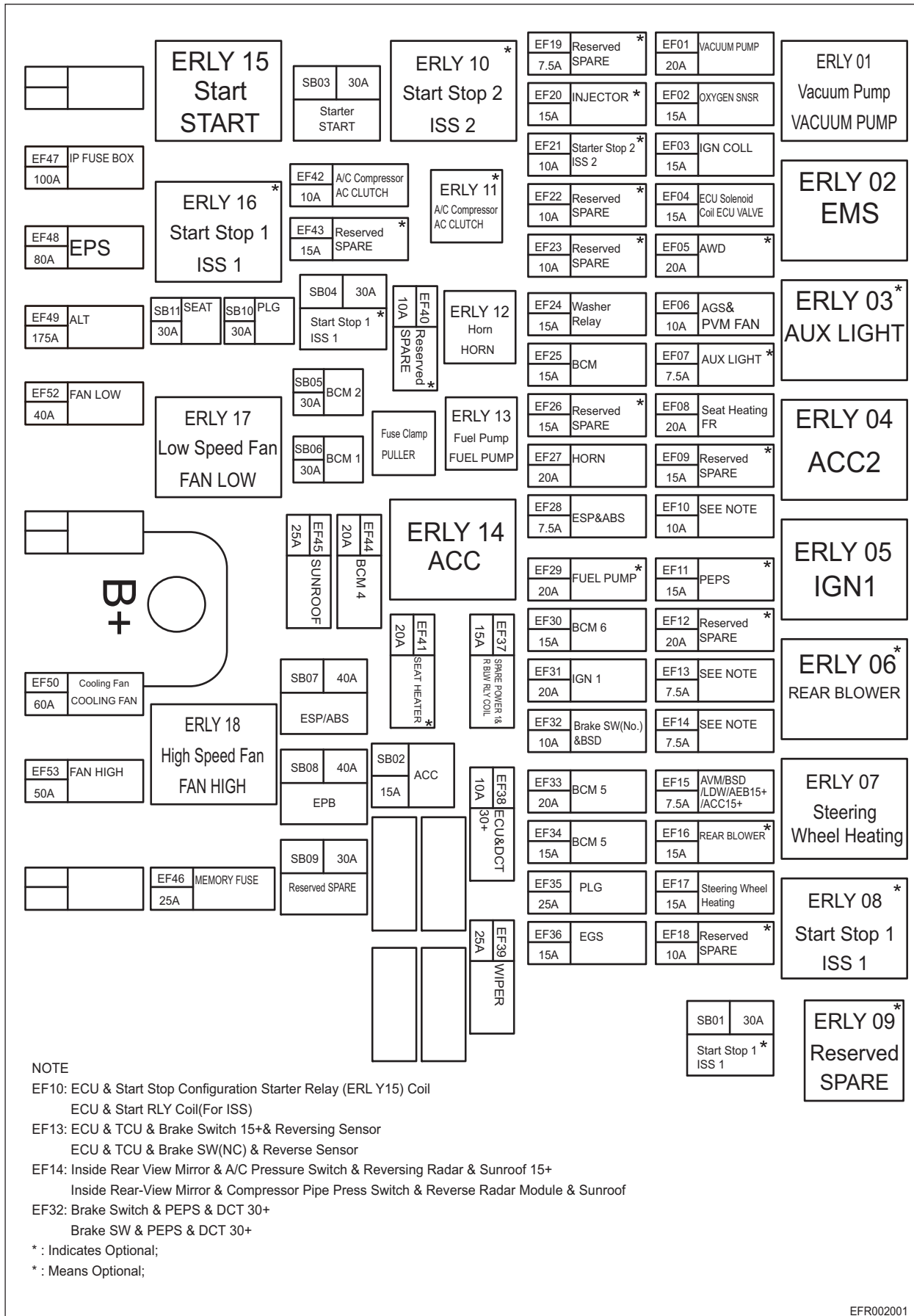
Location of Engine Compartment Main Fuse Box and Engine Compartment Fuse and Relay Box



06

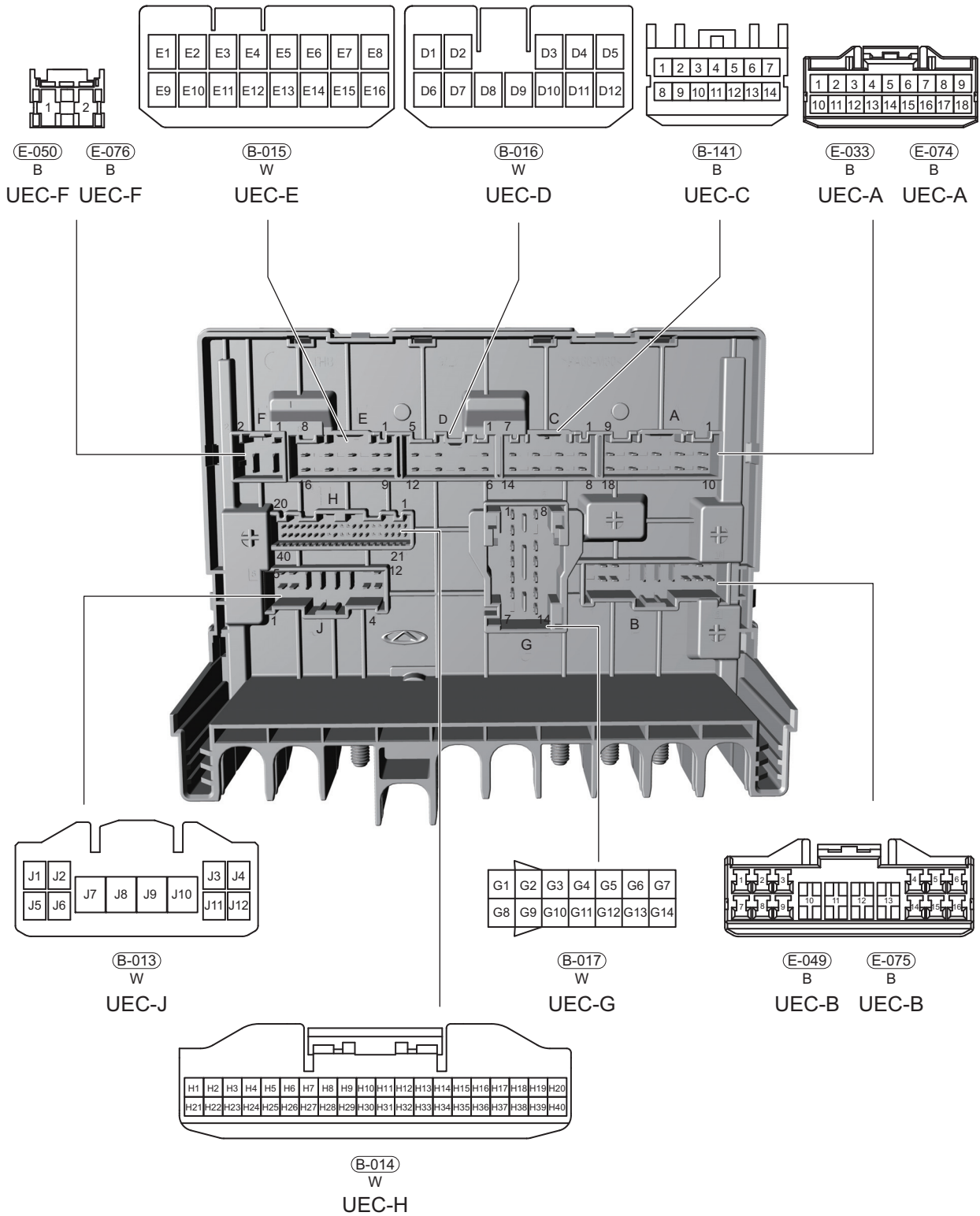
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# Engine Compartment Fuse and Relay Box Description Layout Details



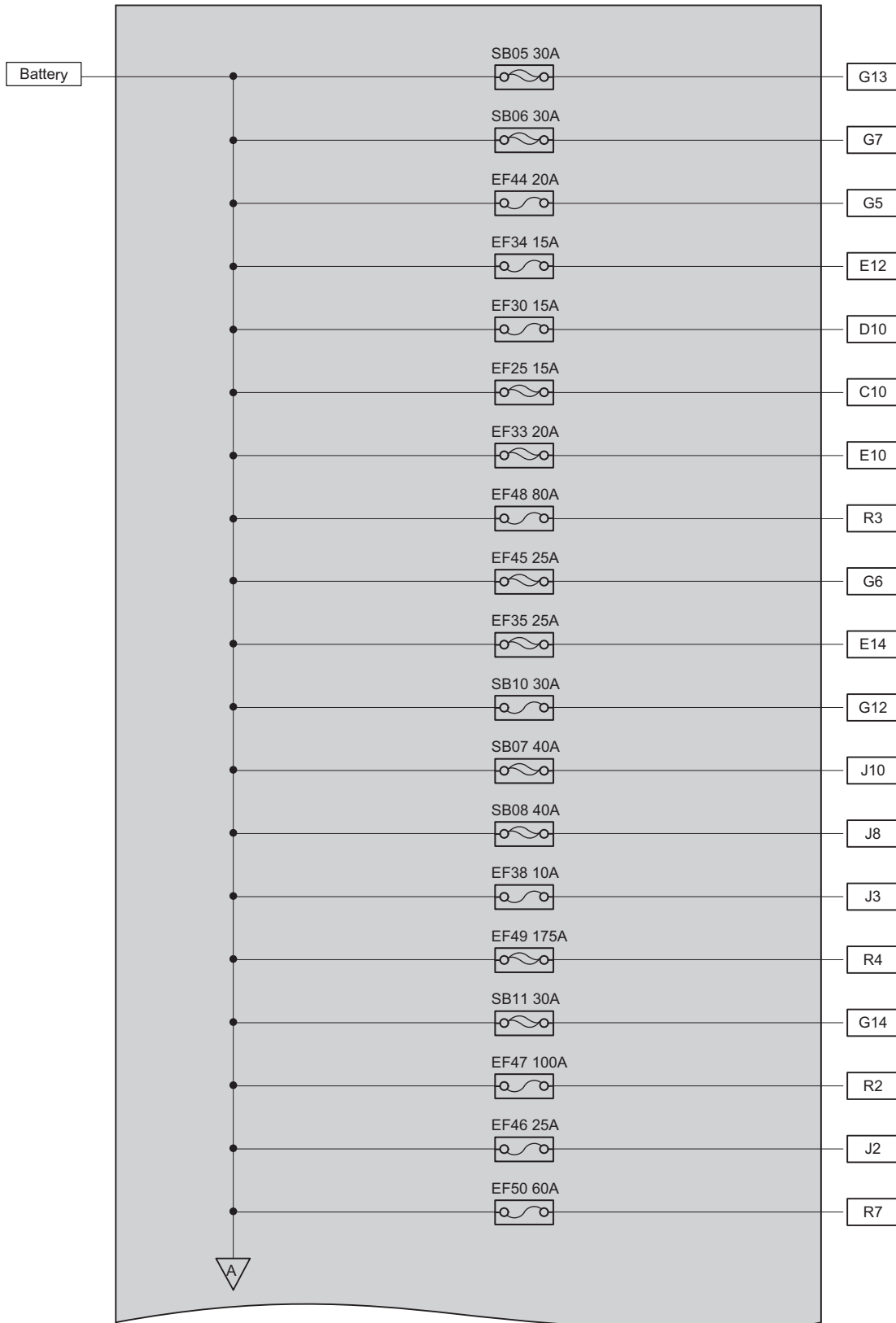
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# Front View of Engine Compartment Fuse and Relay Box



EFR011002

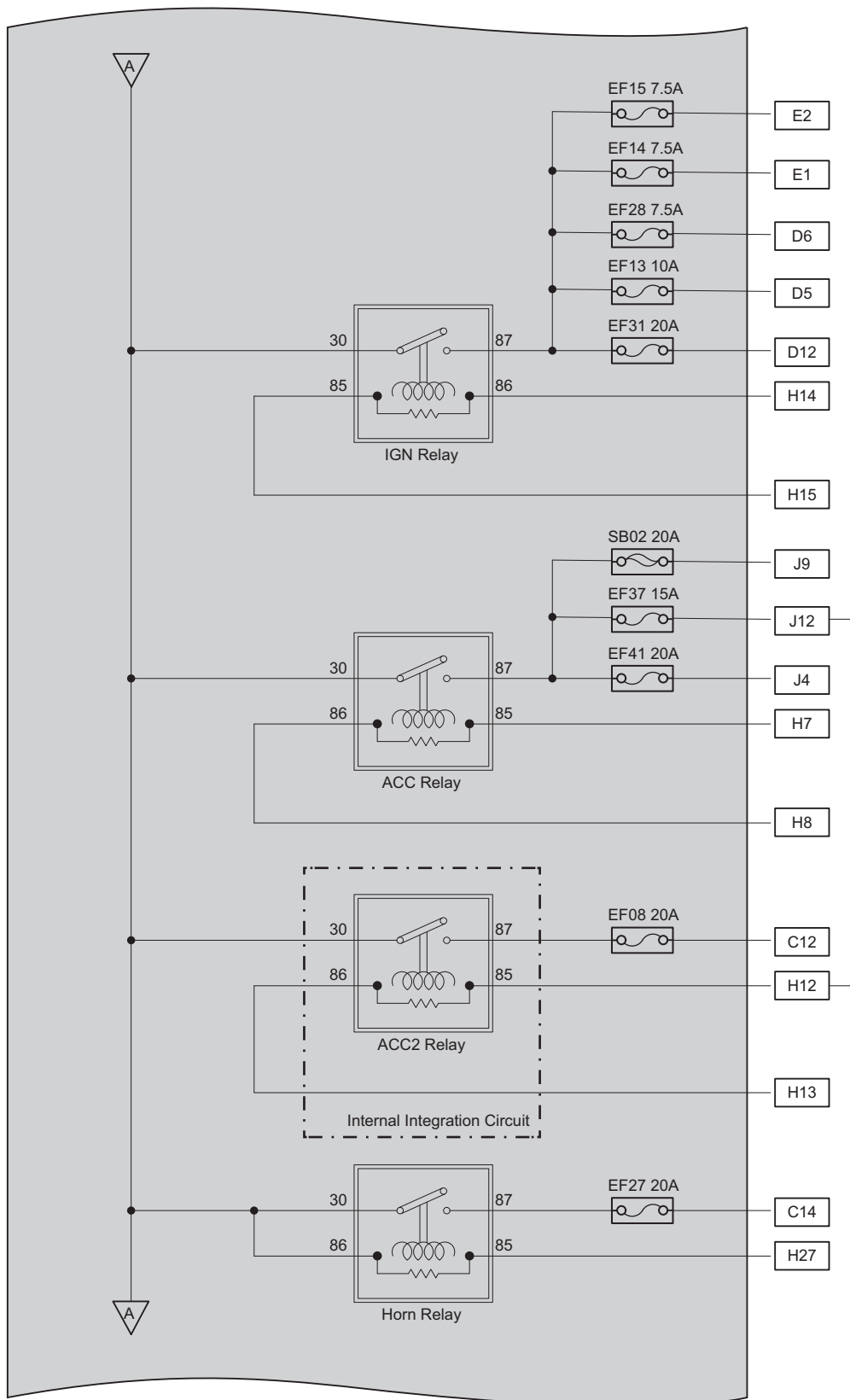
# Internal Circuit of Engine Compartment Main Fuse Box and Engine Compartment Fuse and Relay Box



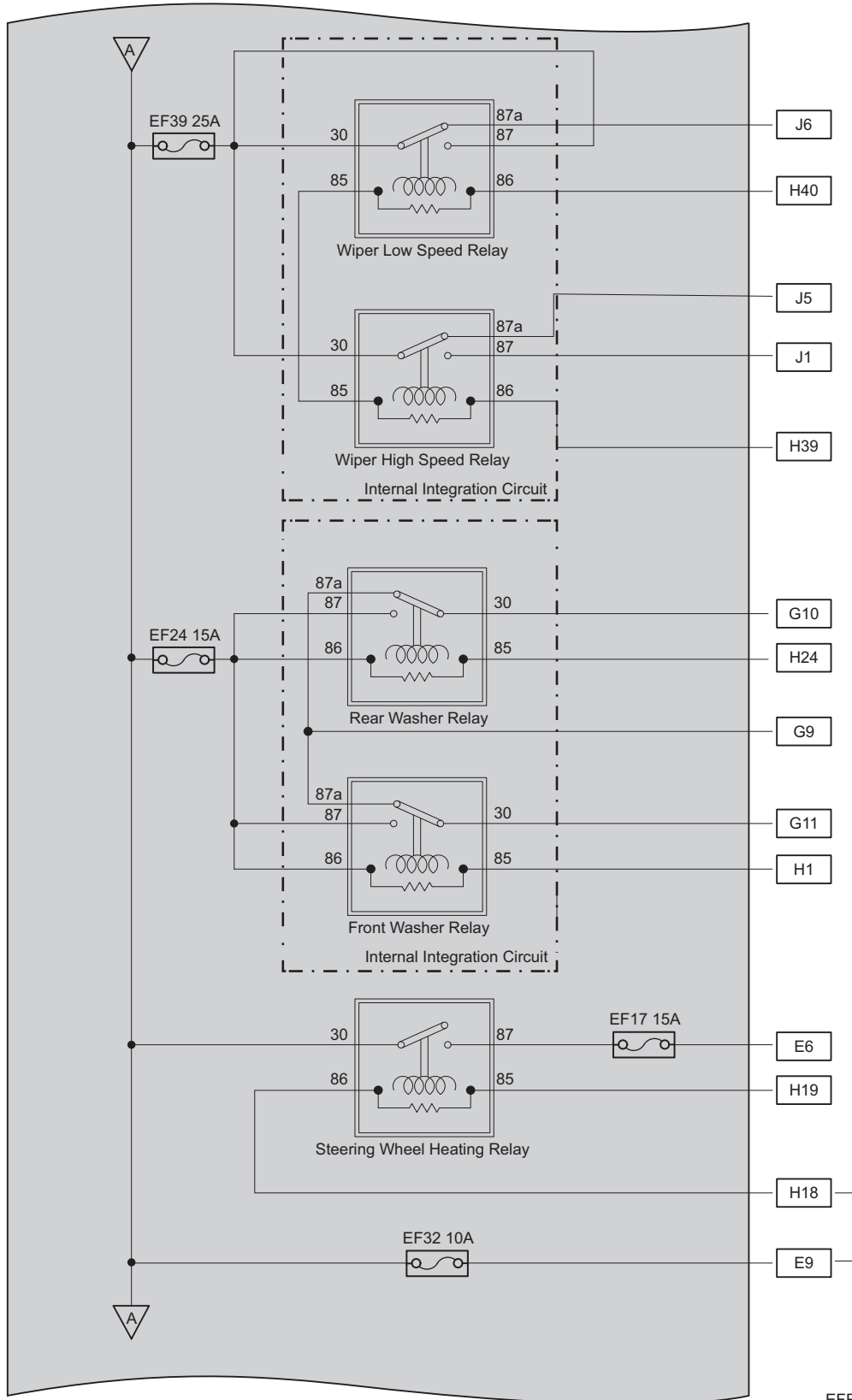
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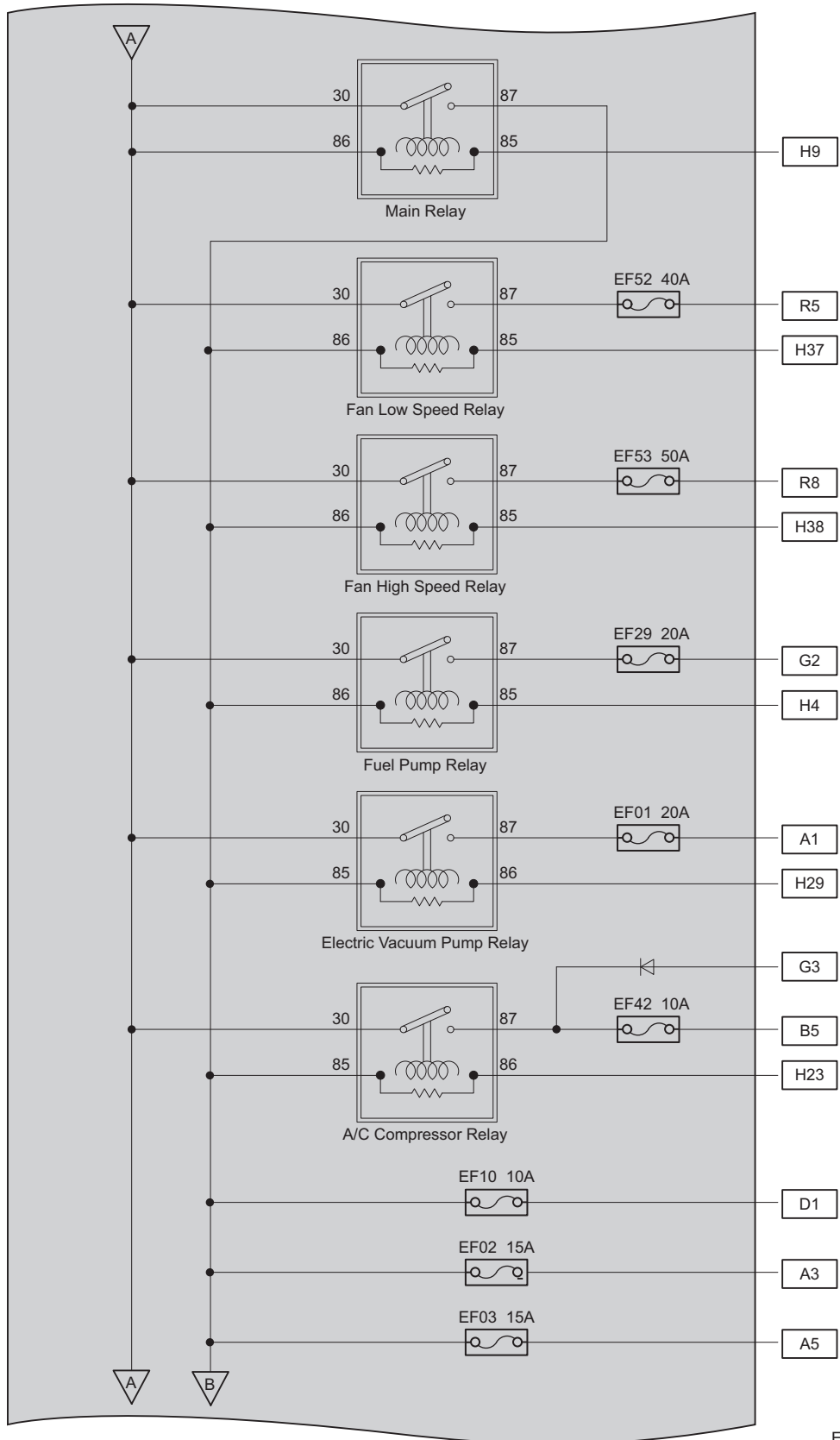




EFR004001

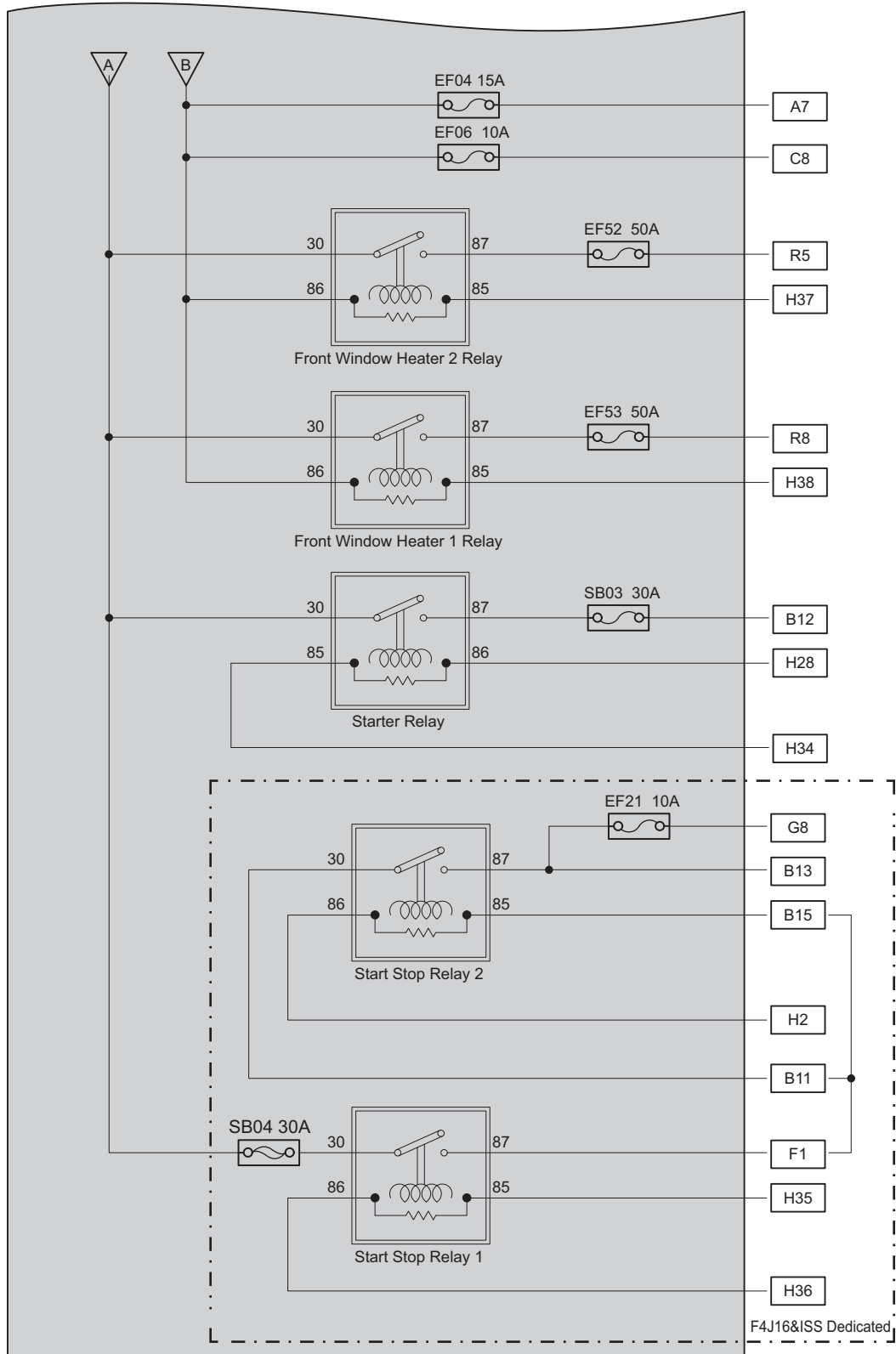


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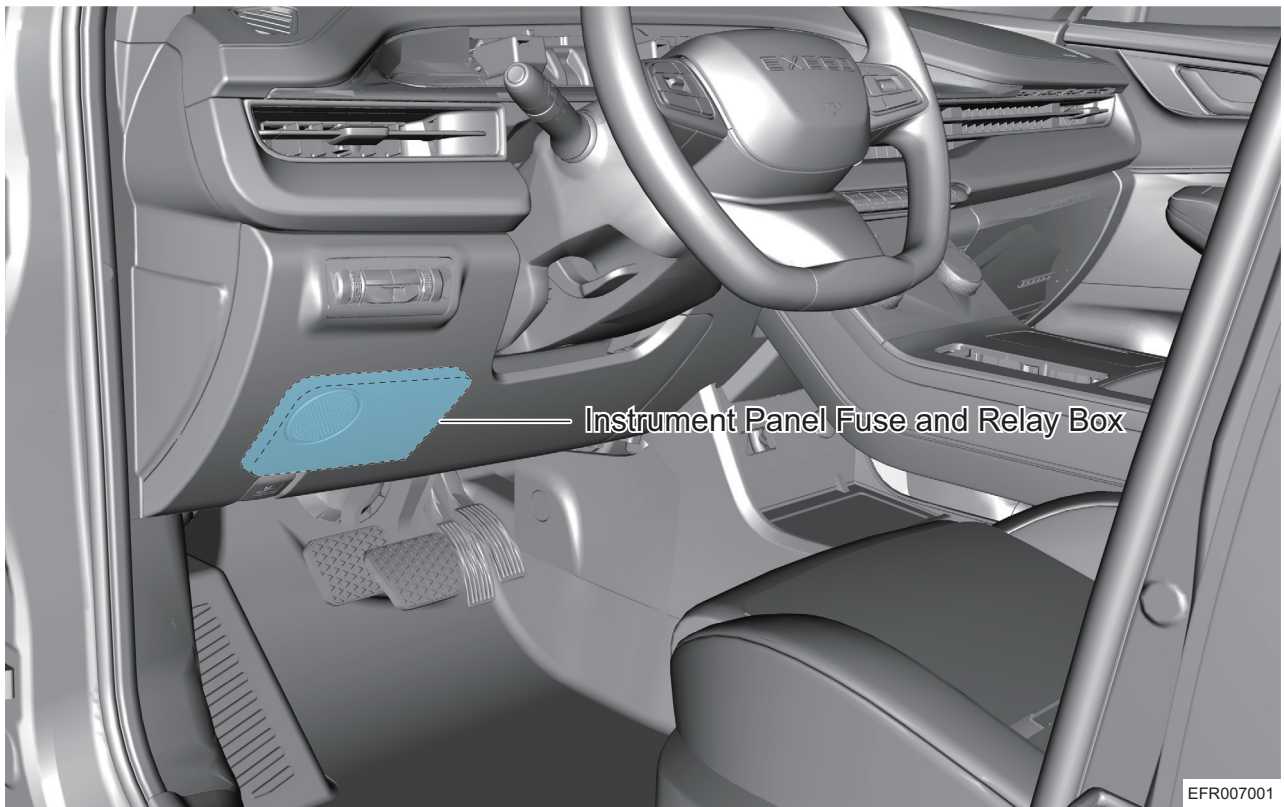
EFR006001

06

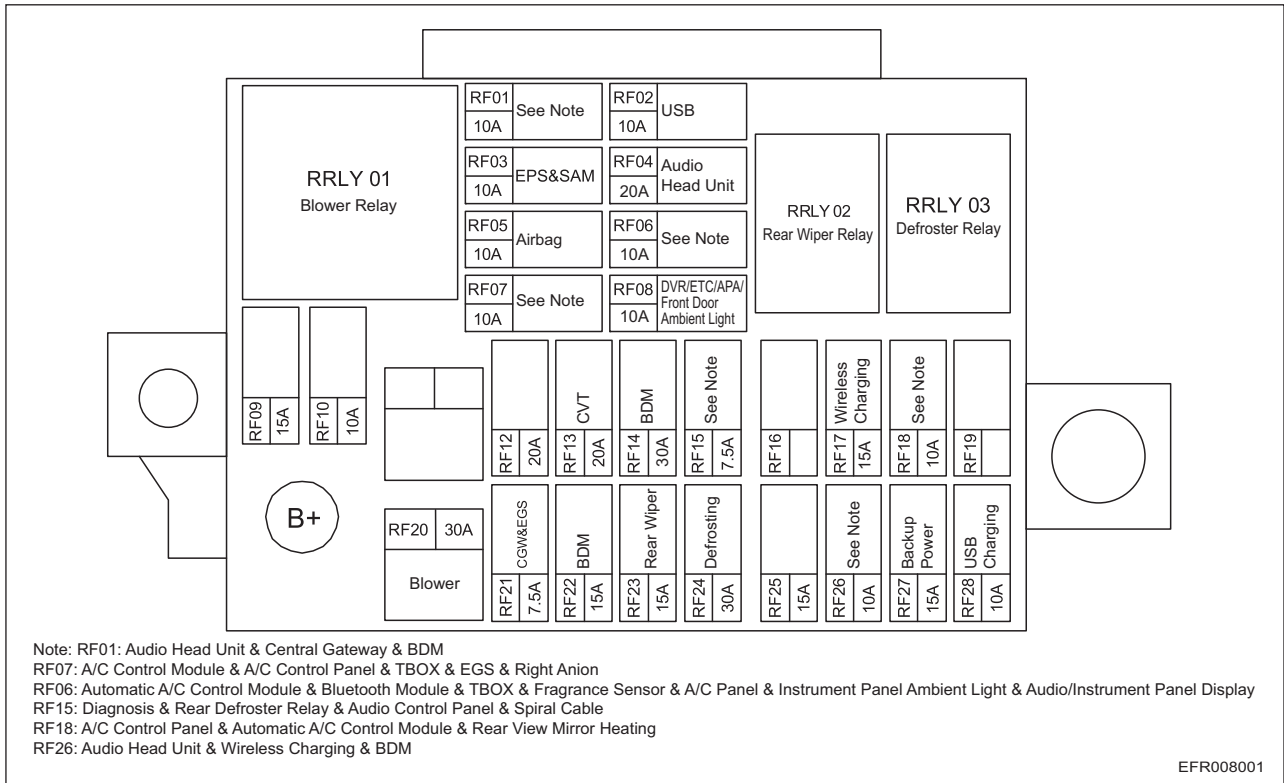


EFR012001

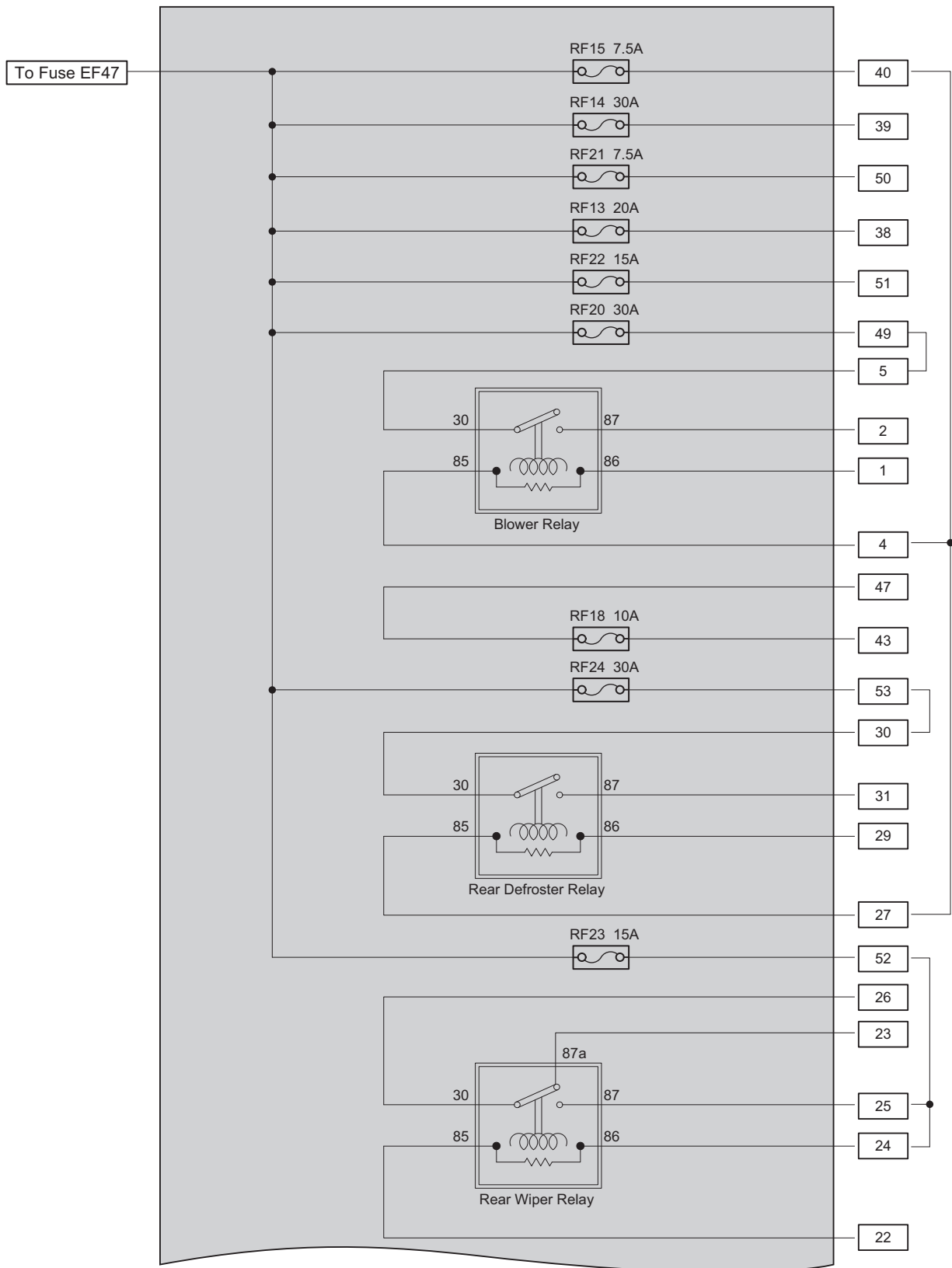
## Instrument Panel Fuse and Relay Box Position



## Instrument Panel Fuse and Relay Layout Details

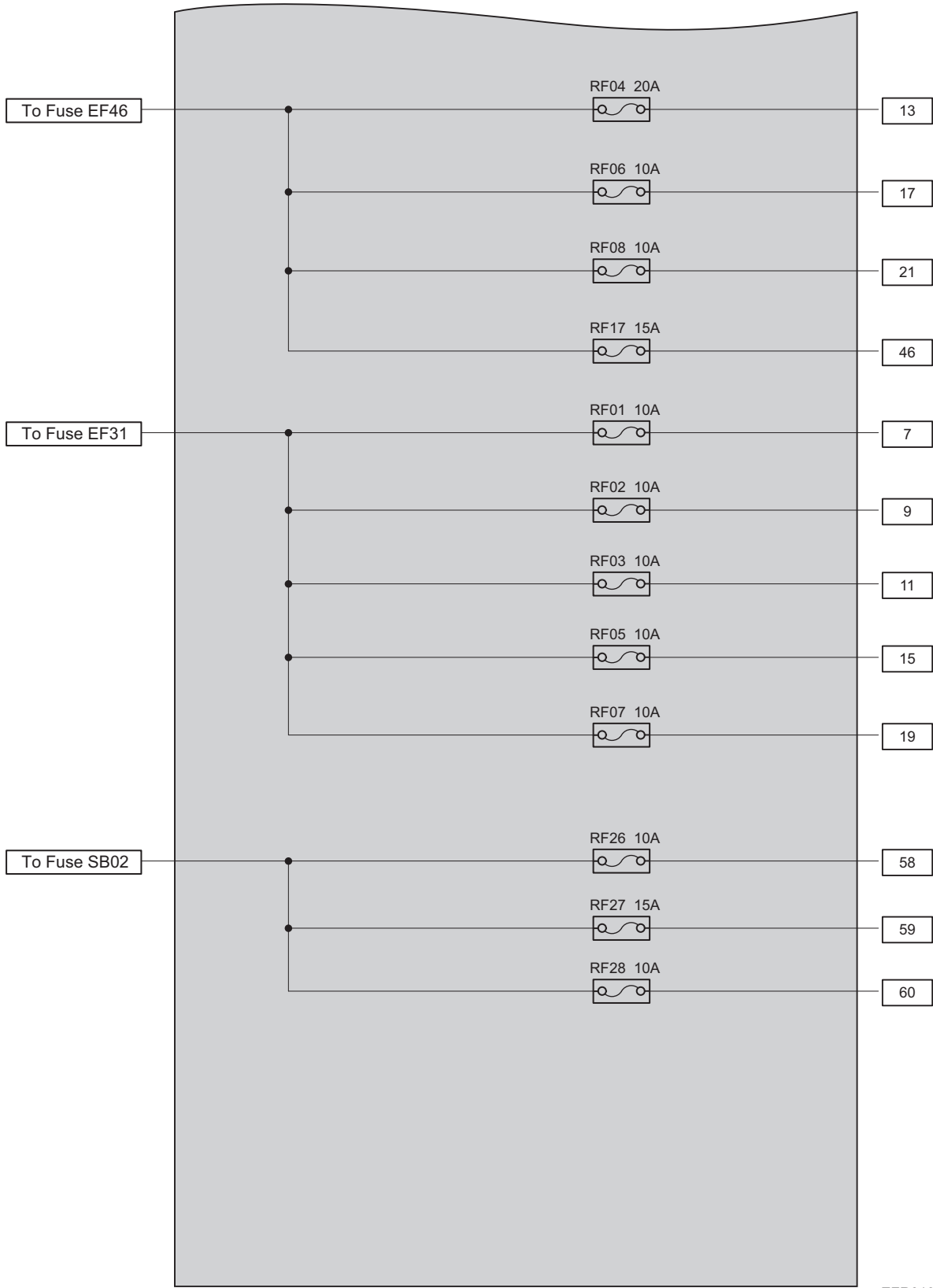


# Instrument Panel Fuse and Relay Box Internal Circuit



06

EFR009001



EFR010001

06

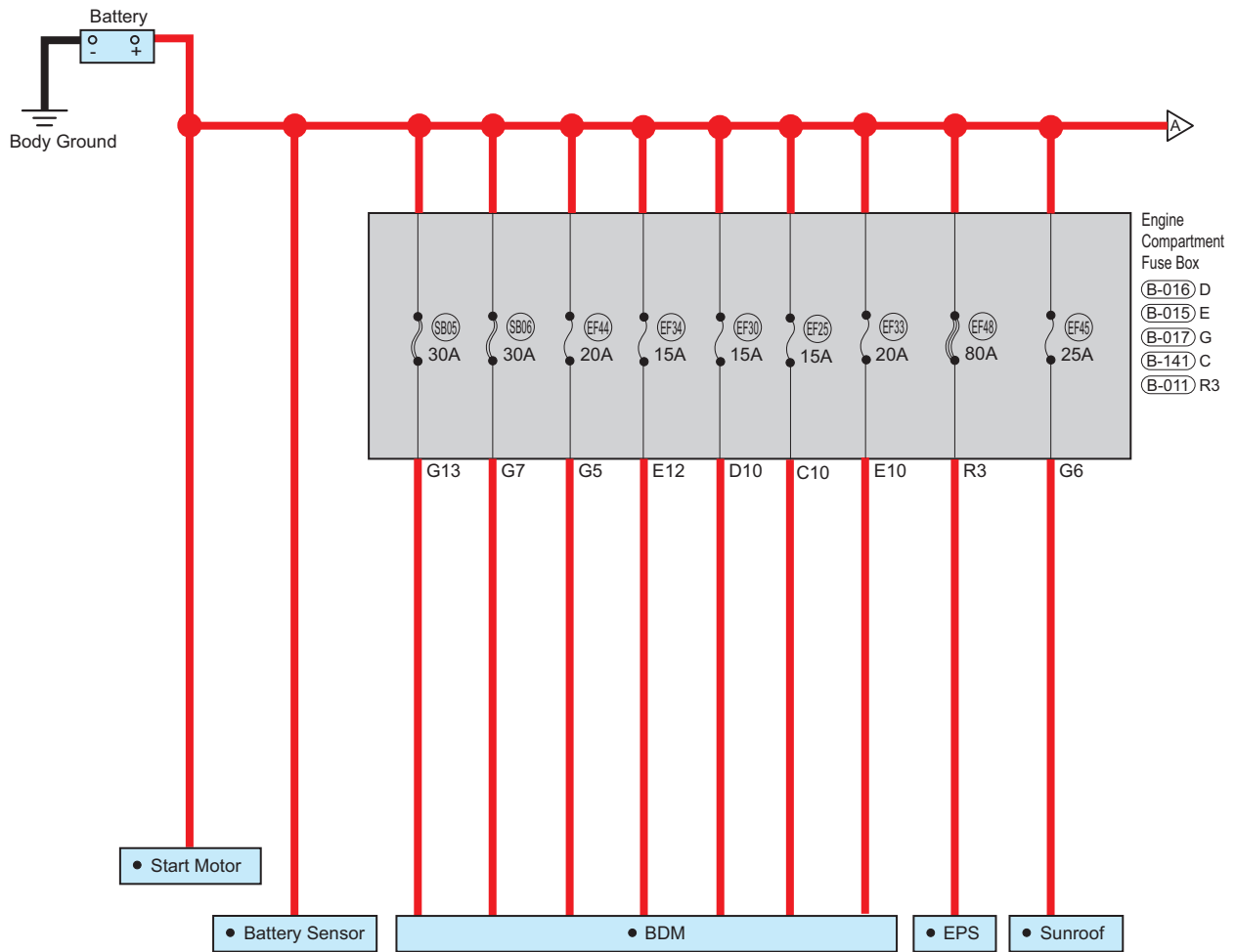


# Power Supply Distribution Center

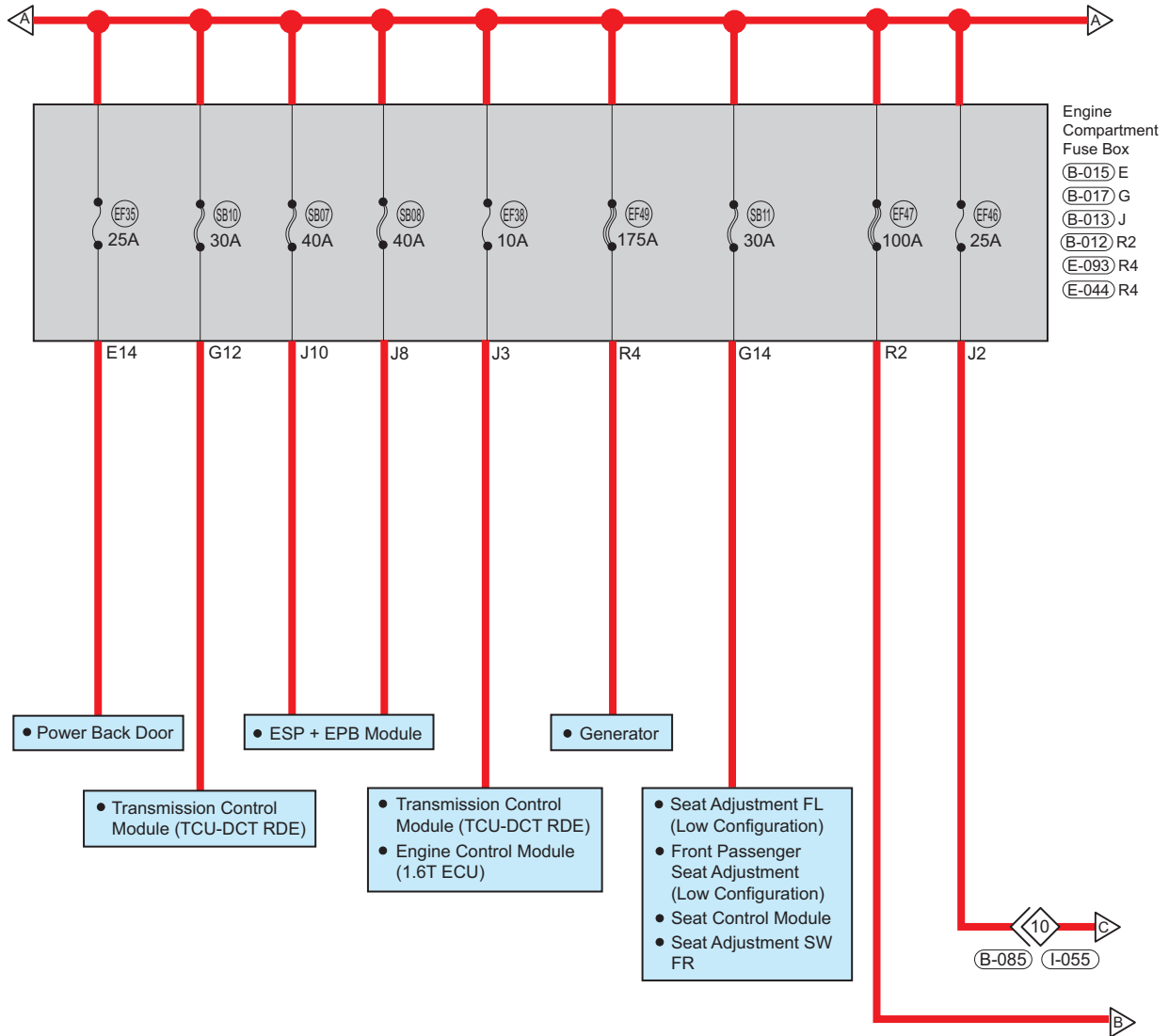
## General Information

This section provides safe, reliable and efficient power supply for all electrical equipment of vehicle. Power distribution includes the following parts: battery, engine compartment fuse and relay box, instrument panel fuse and relay box, ignition switch, fuse and relay.

## Power Supply Distribution

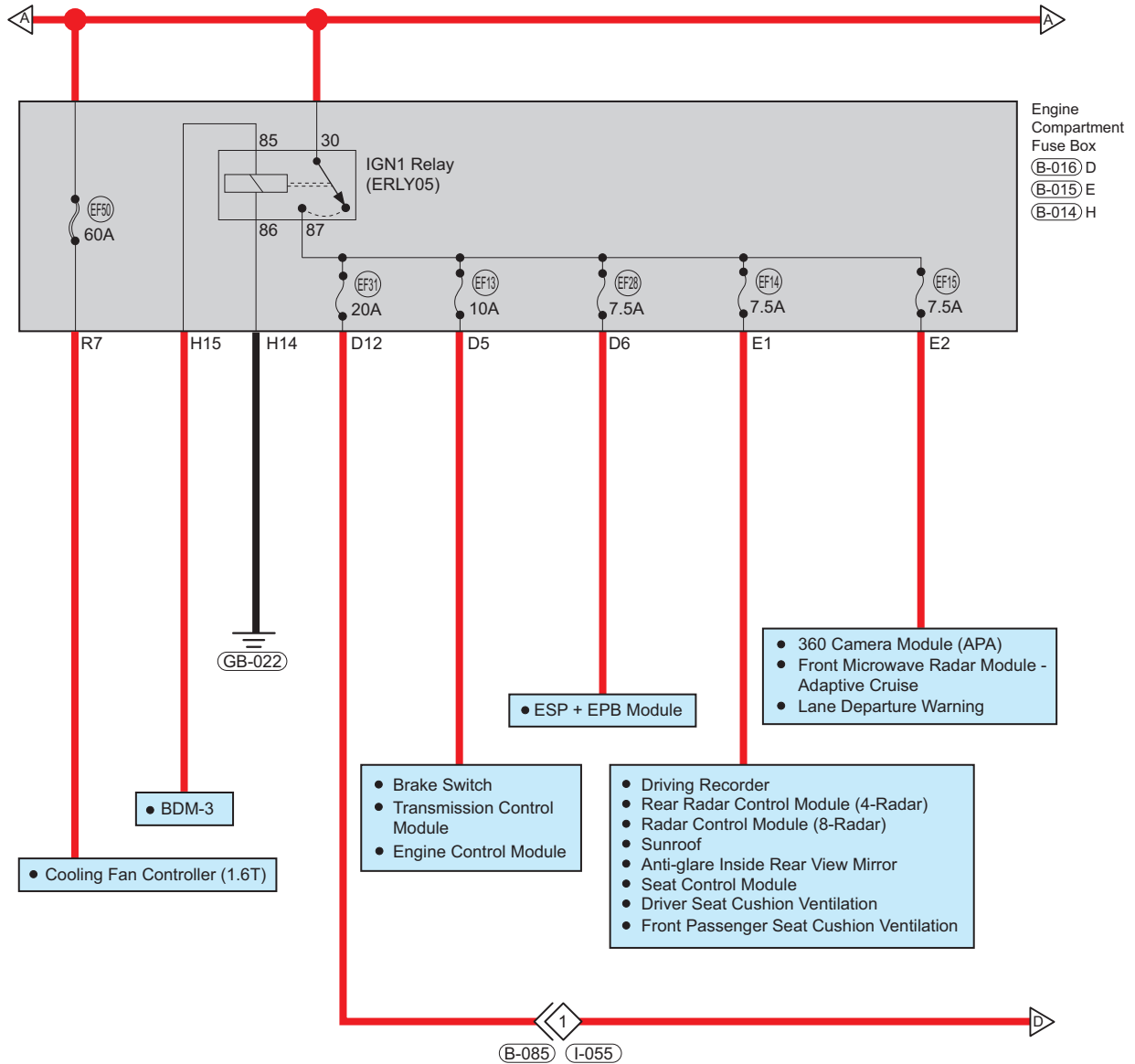


07



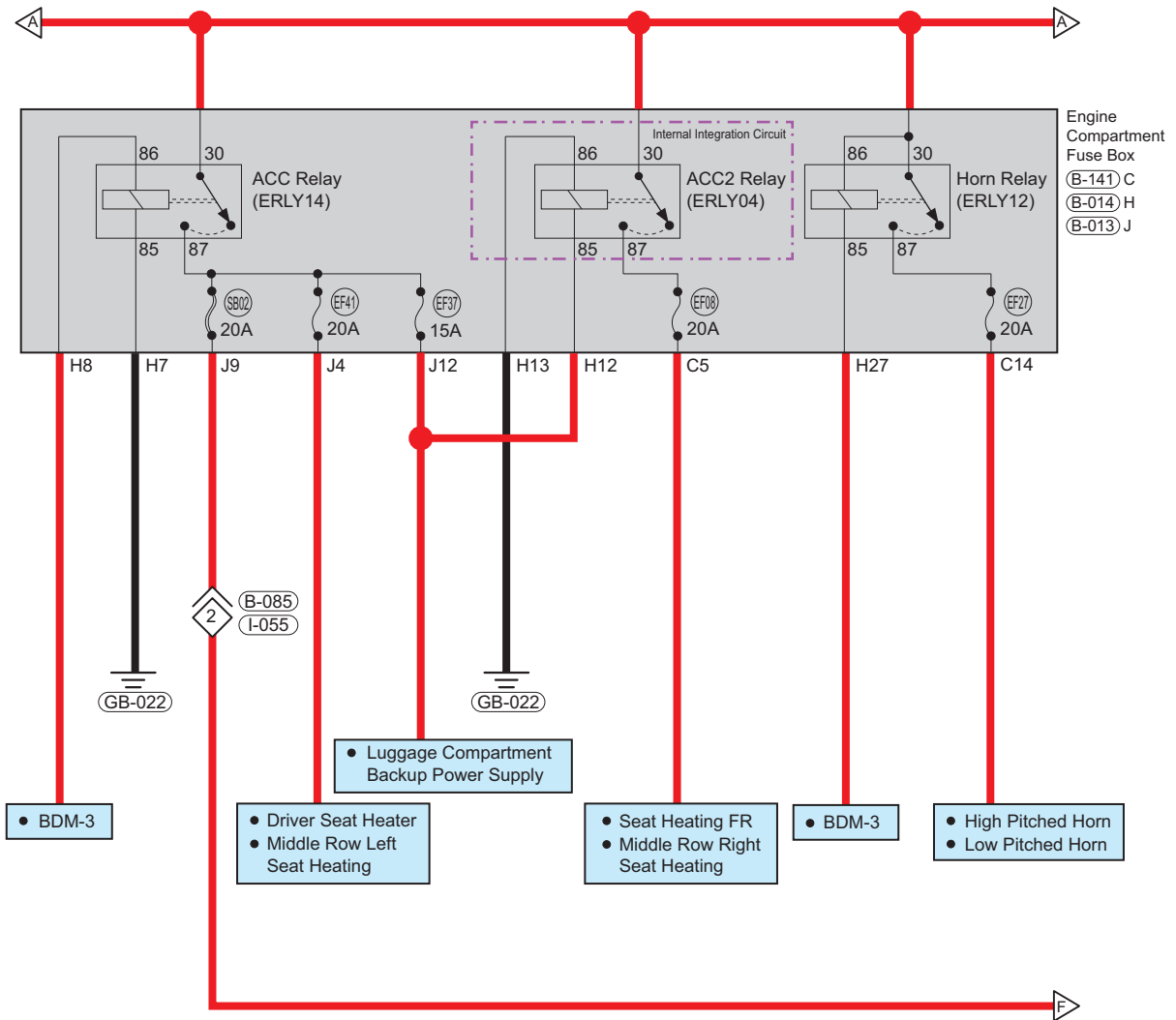
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POE002001



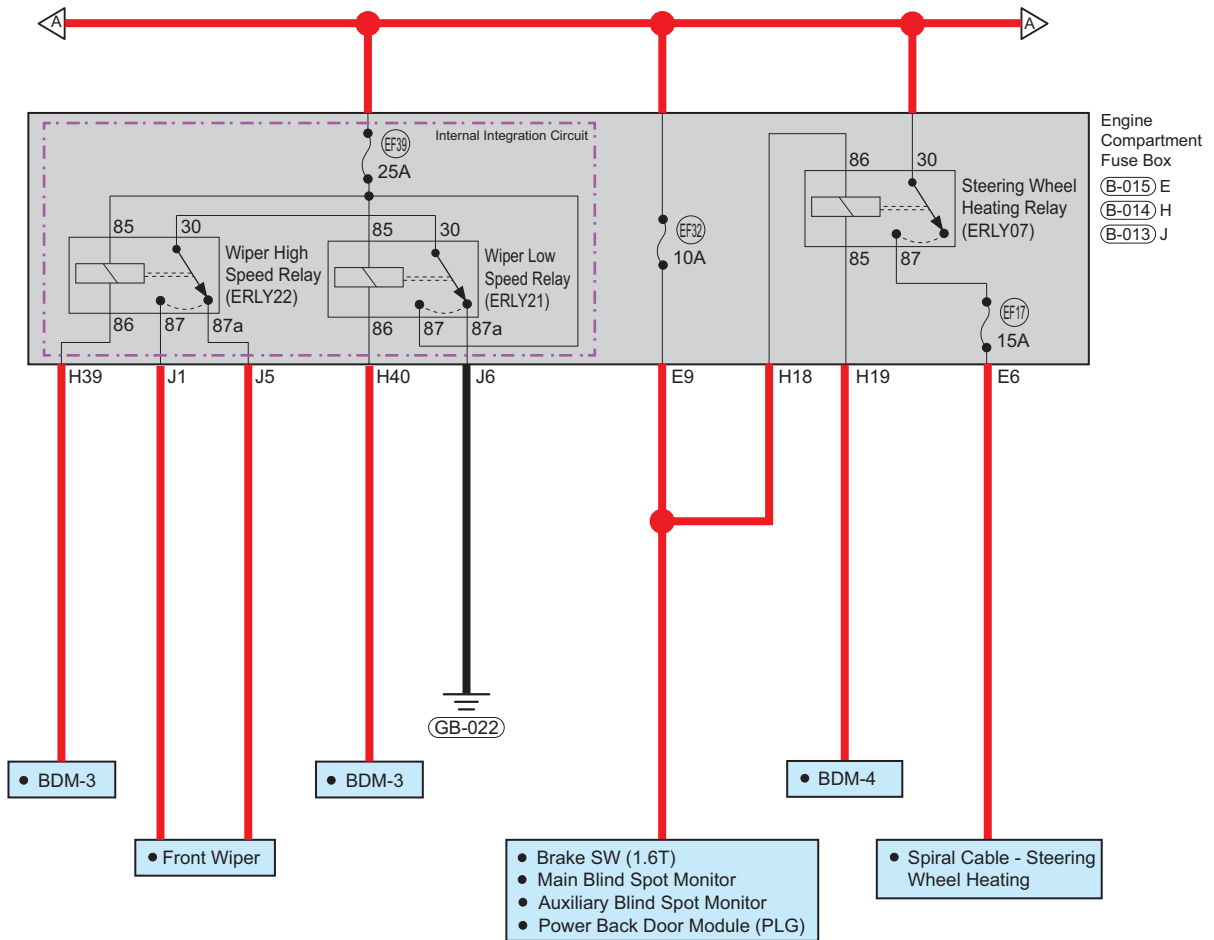
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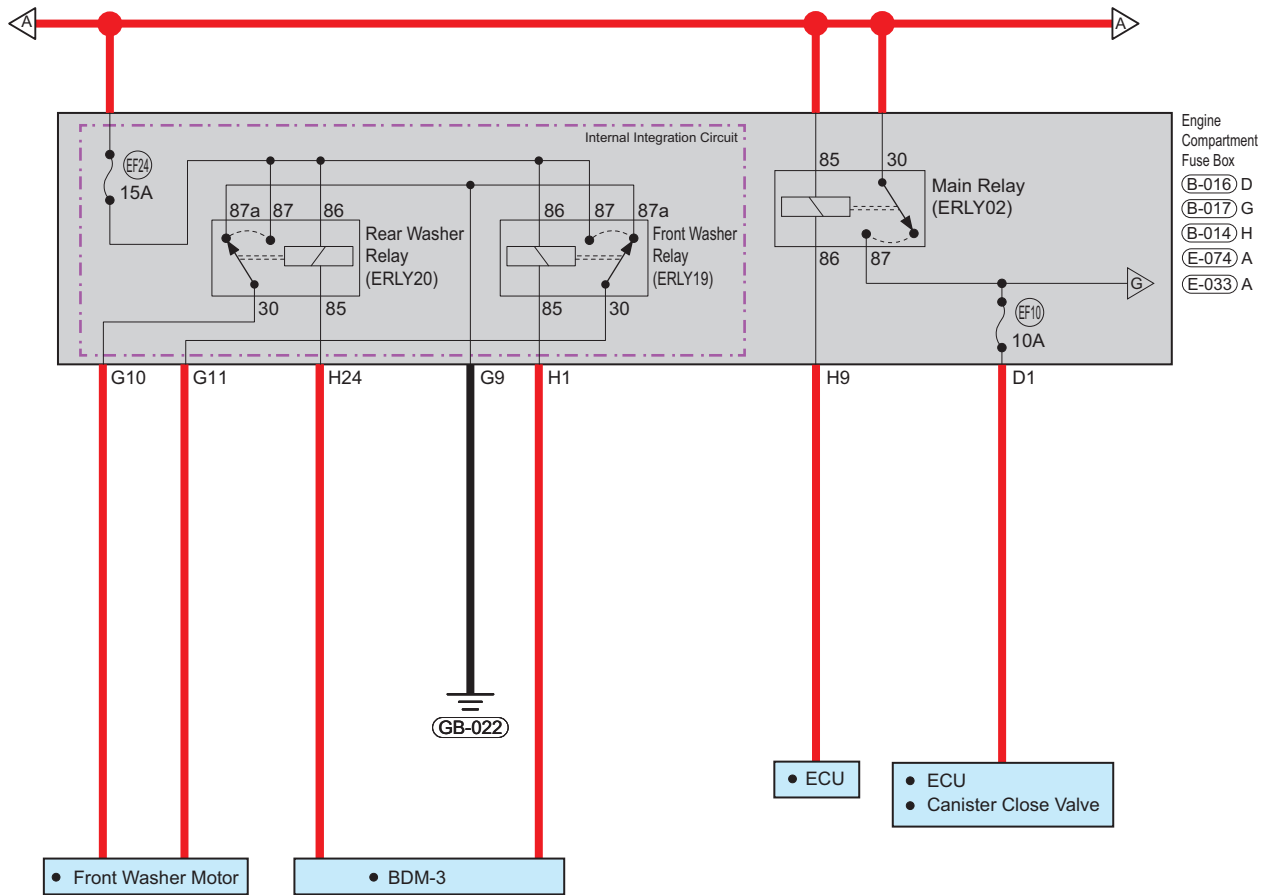


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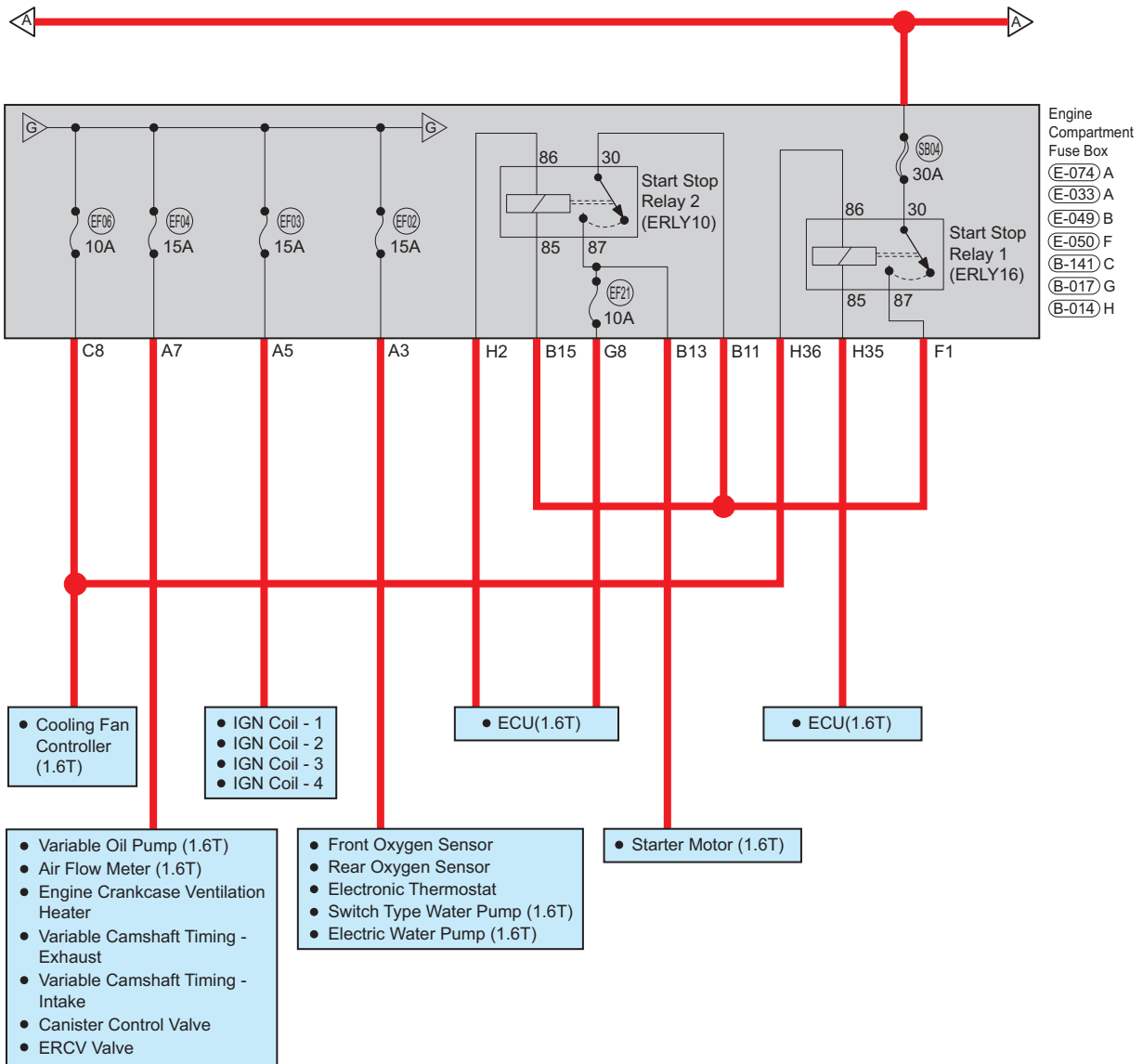


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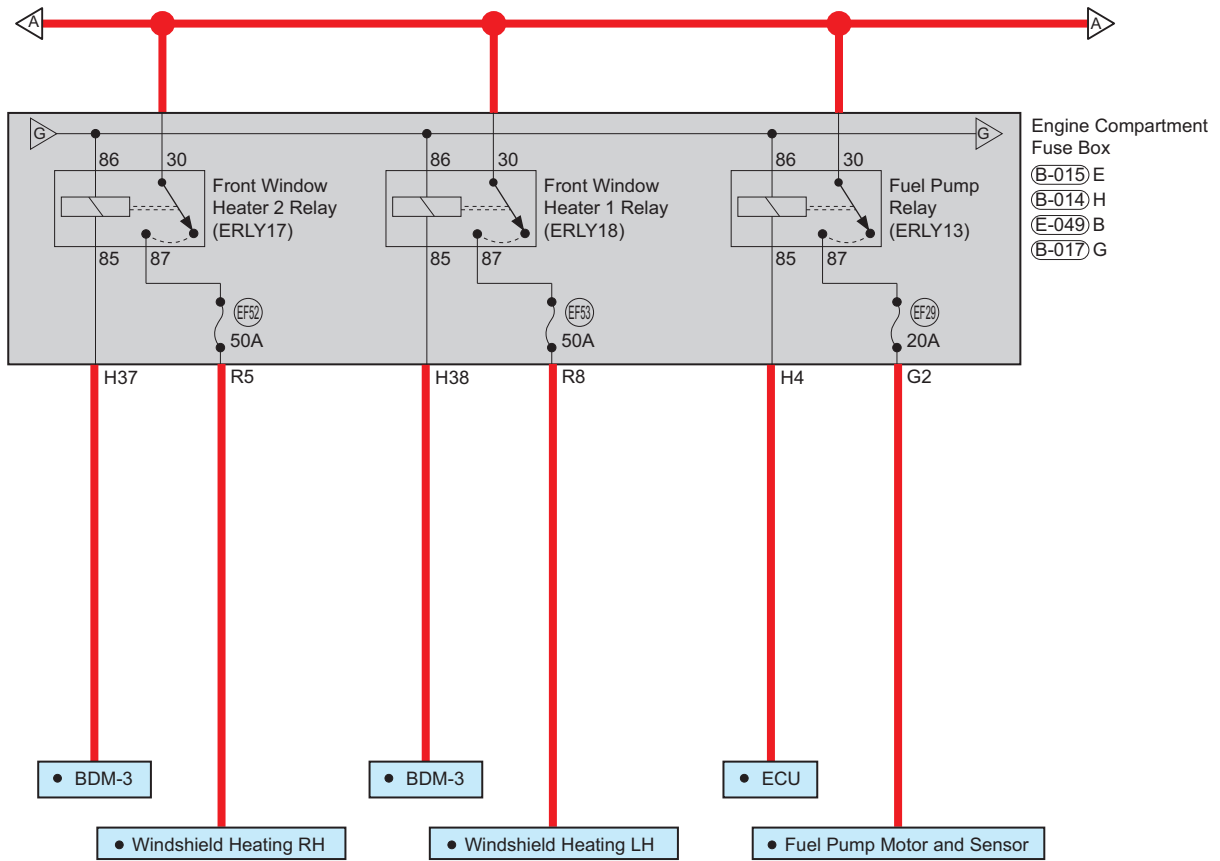


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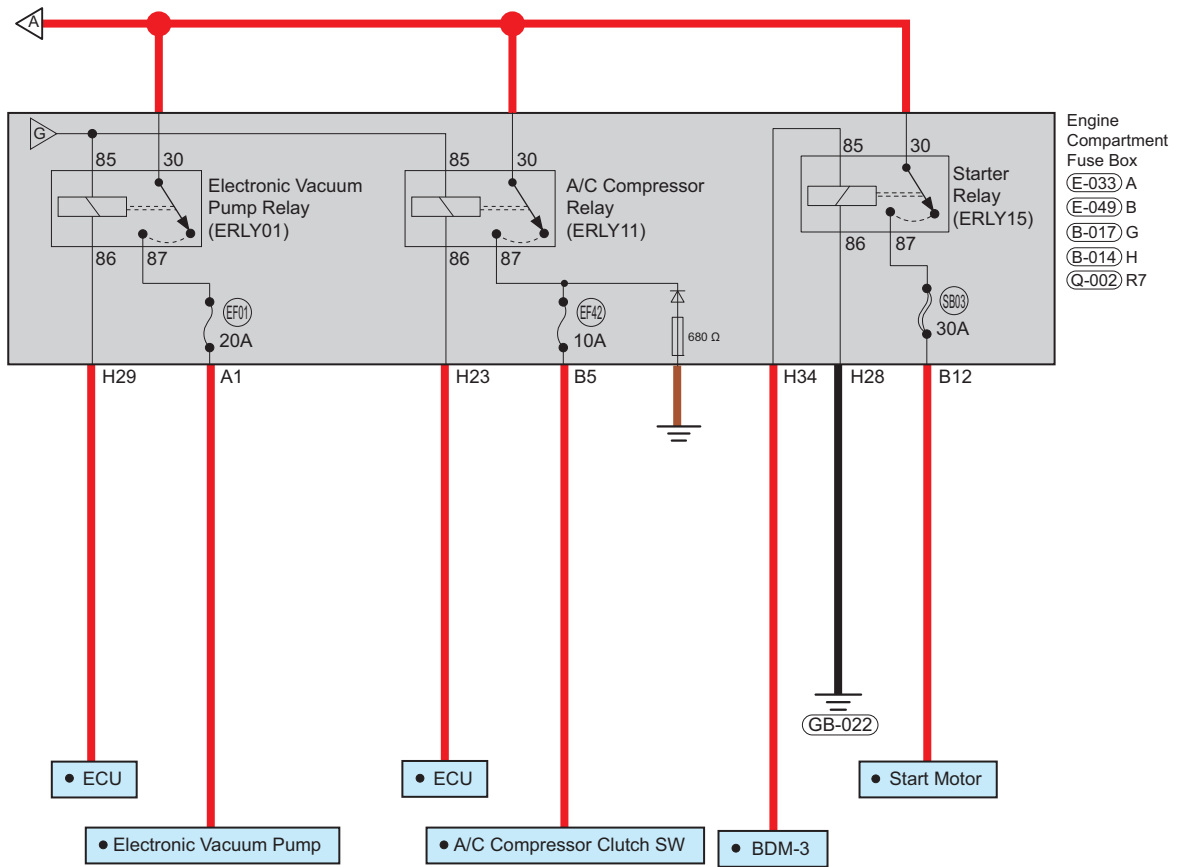
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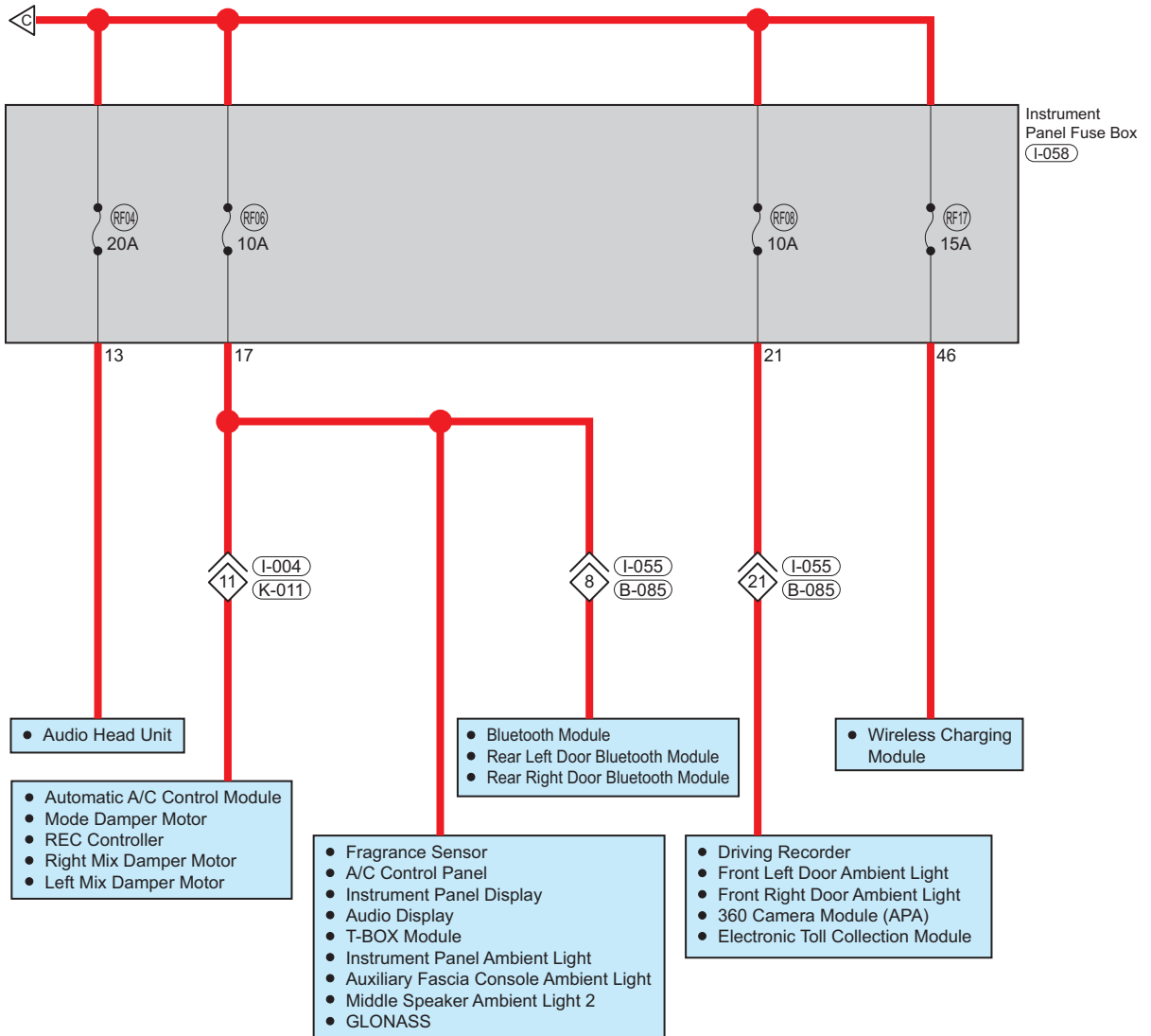
POE008001





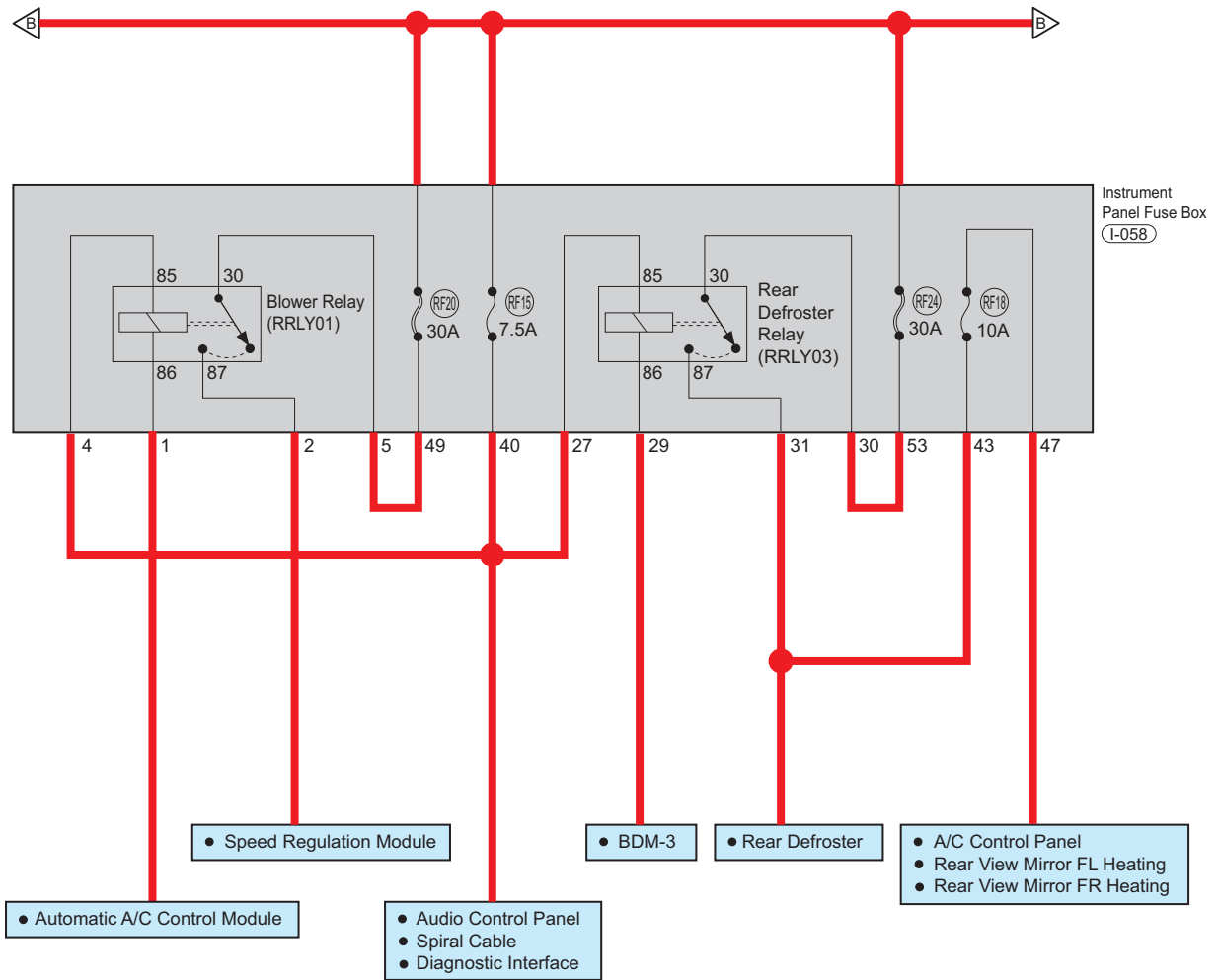
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POE009001



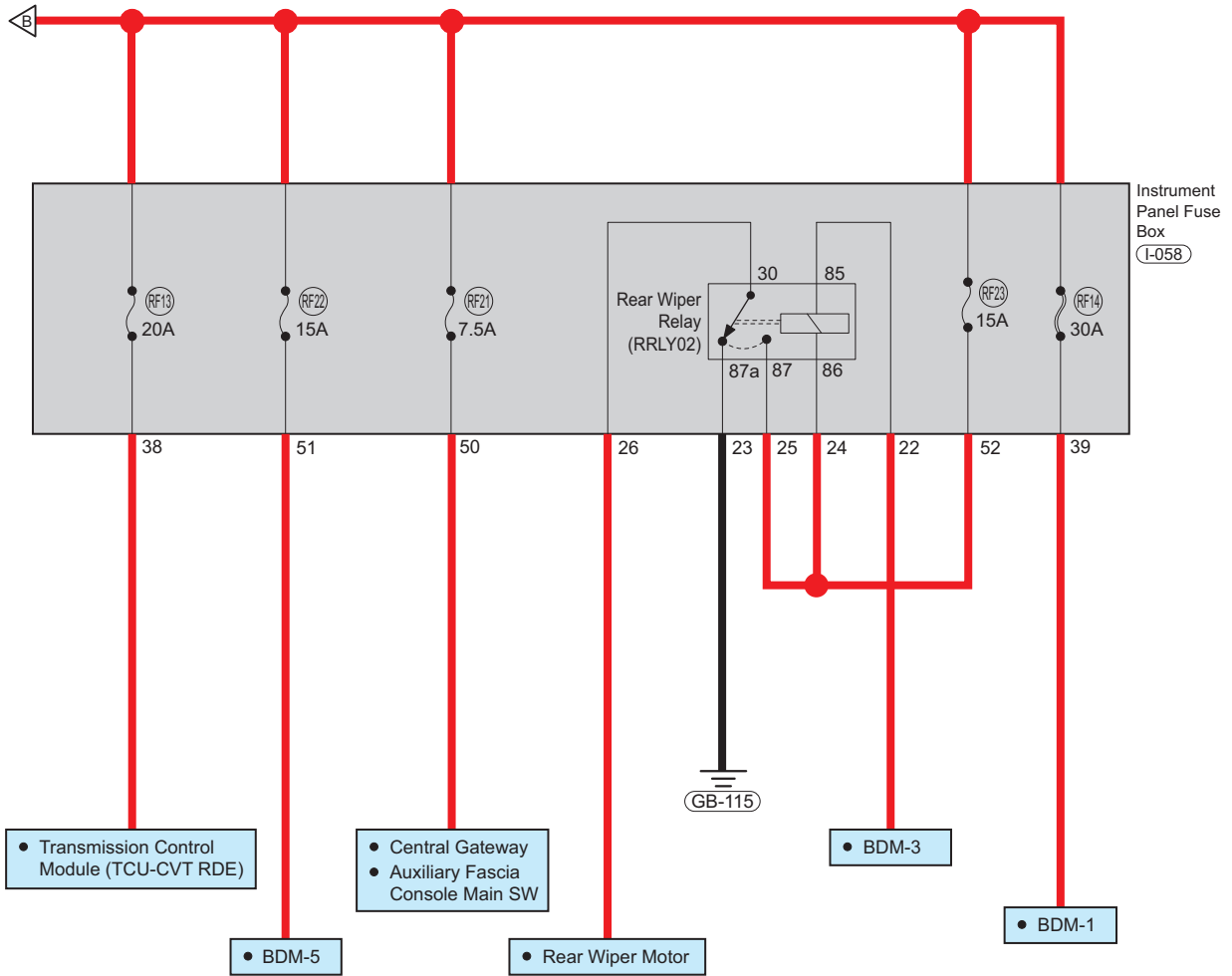
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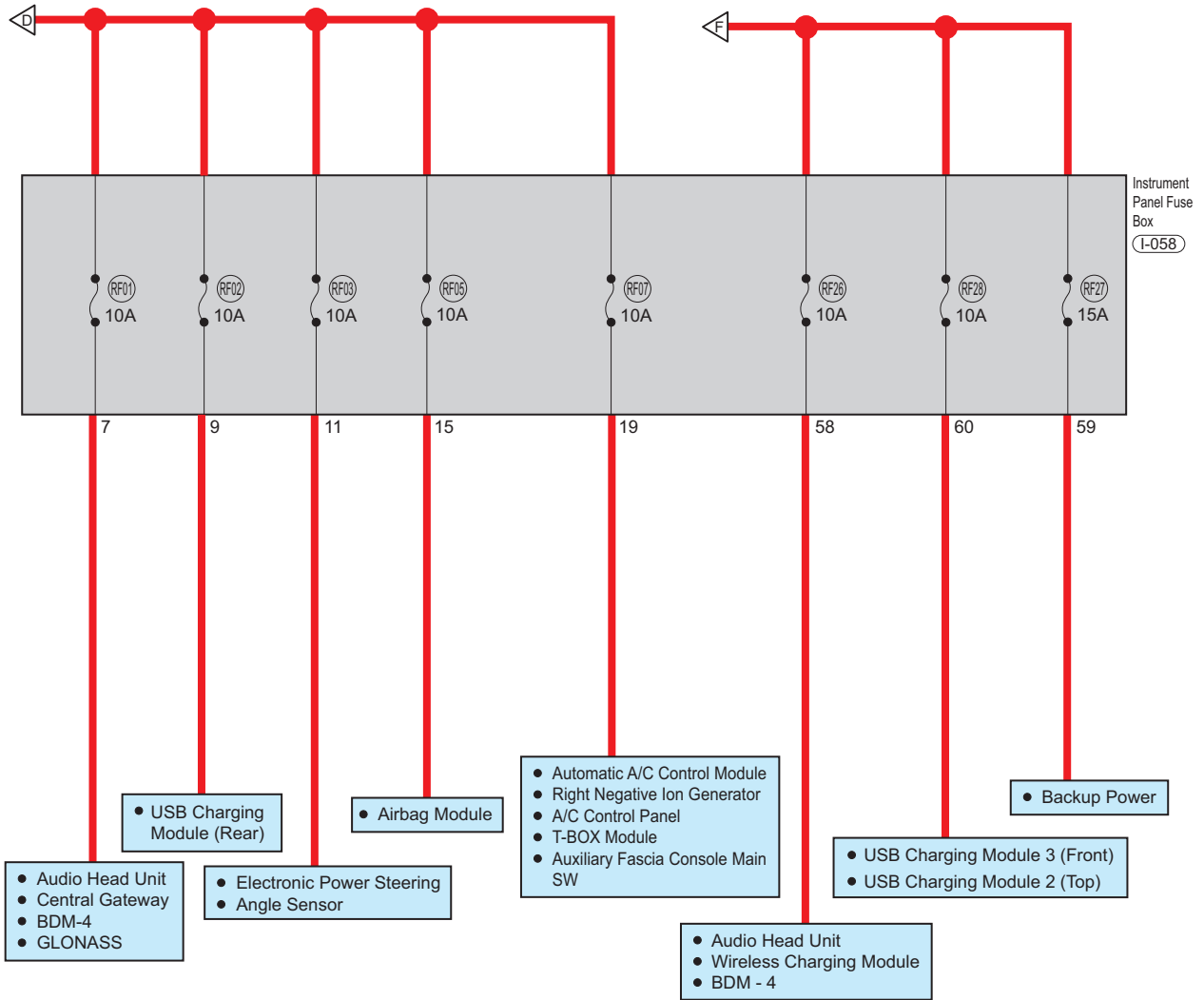
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POE011001



07

POE012001



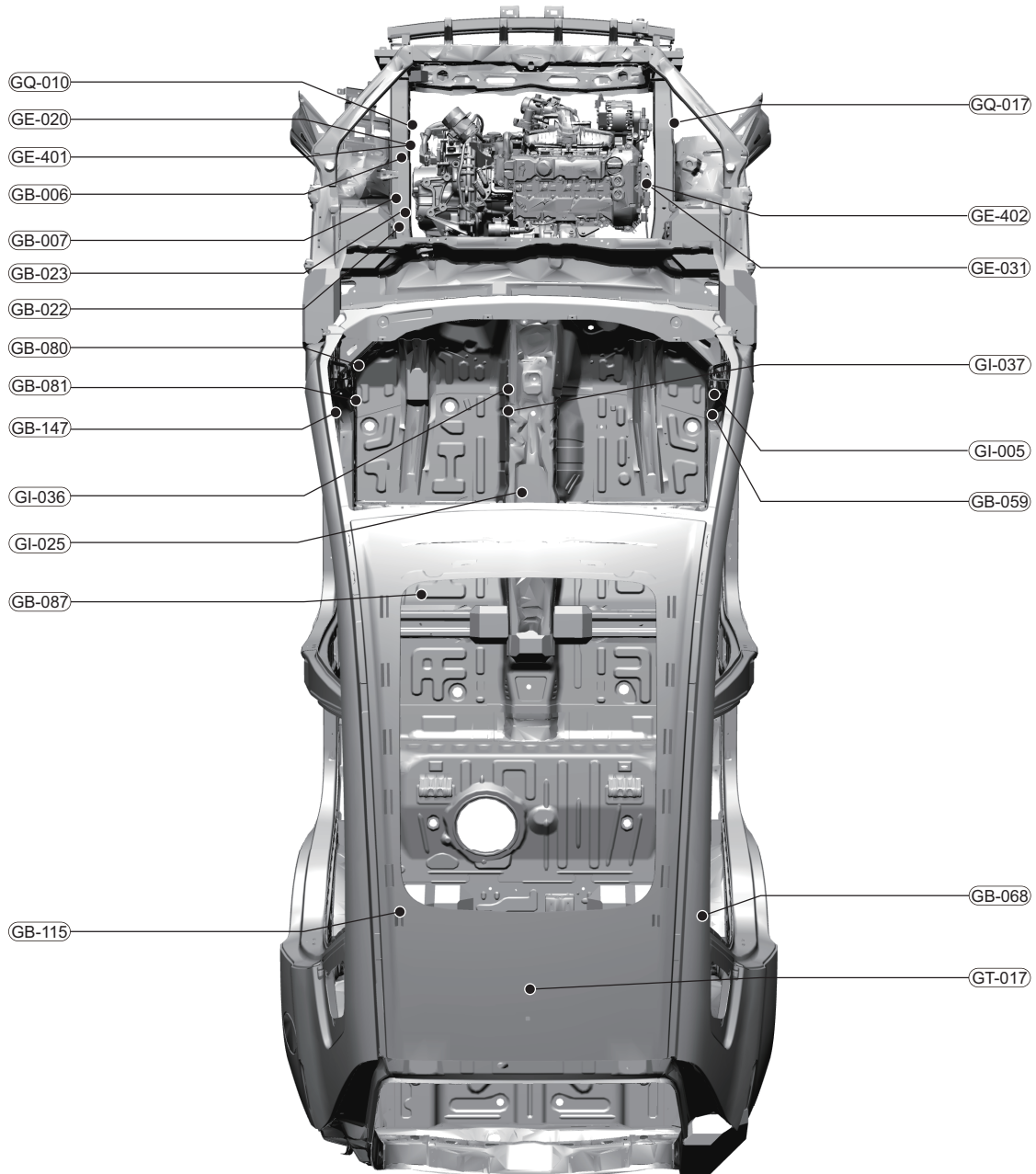
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POE013001

# Ground Point

## General Information

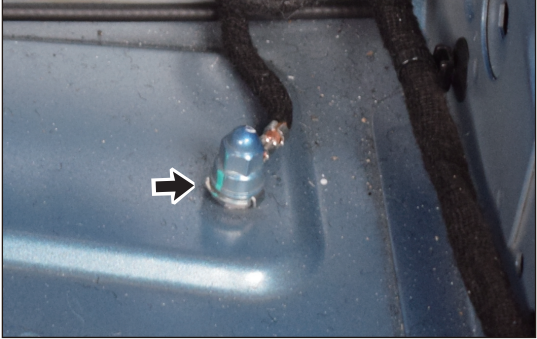
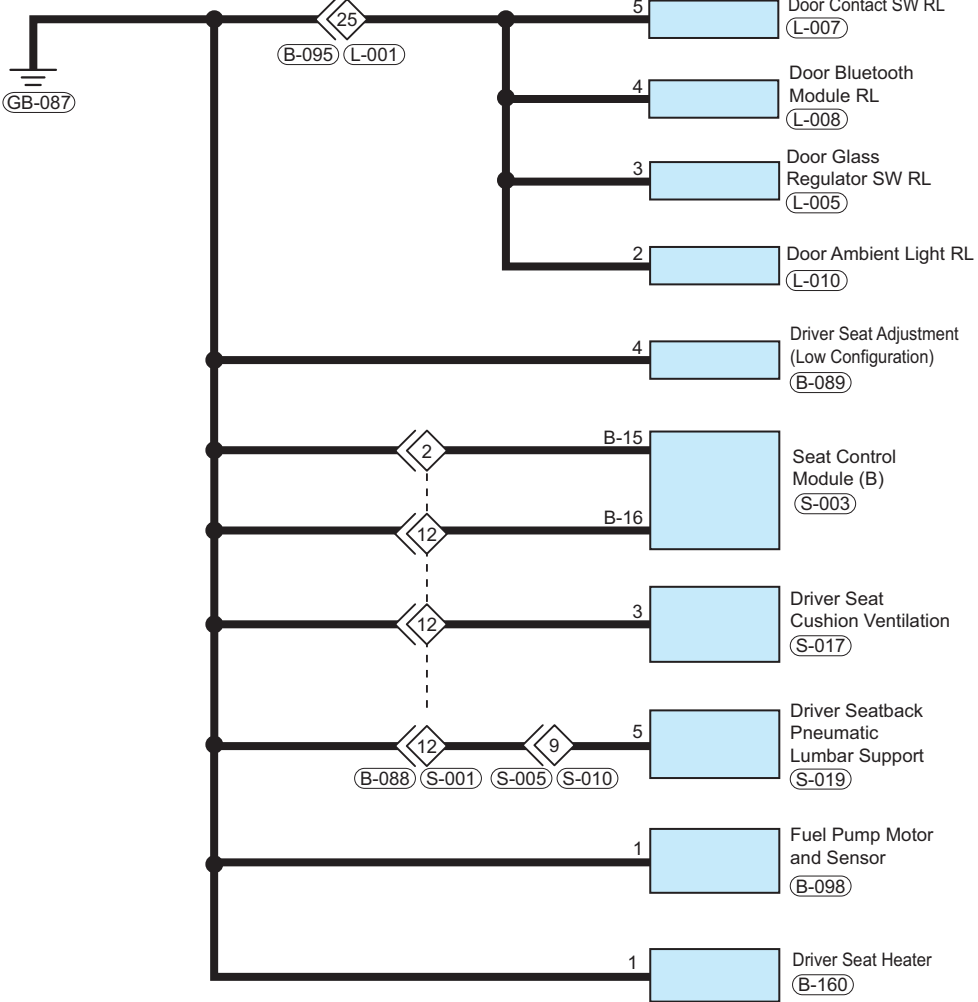
This section provides ground point positions and circuit information about whole vehicle electrical equipment. Using grounding points, technicians can quickly find relevant electrical equipment, and solve problems accurately and efficiently.



GDE000001

# Vehicle Ground Points Layout

GB-087

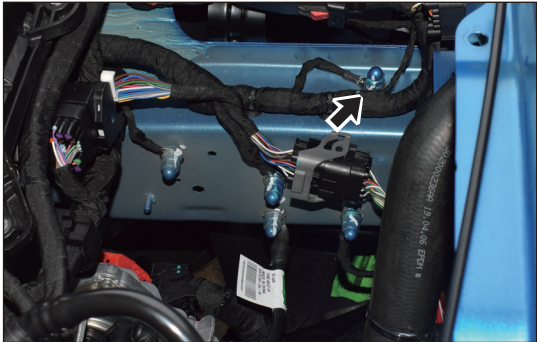
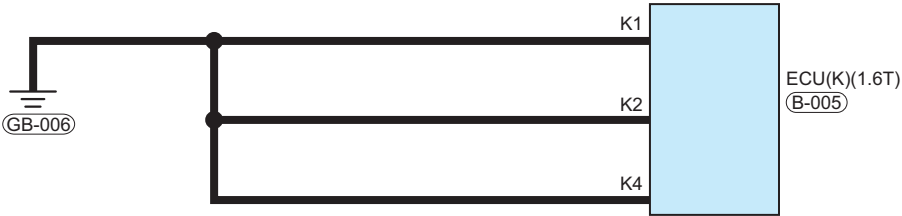
Ground Position	Physical Graphics
<p>Front Floor, Under Driver Seat</p>	
	

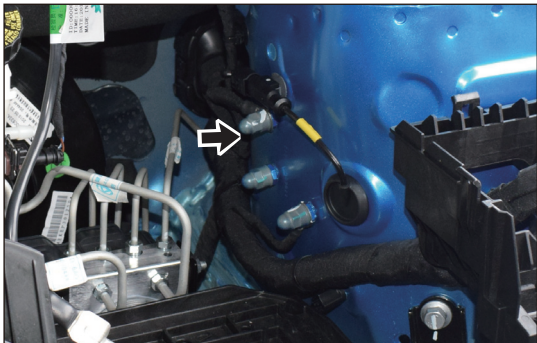

08

GDE001001



GB-006 GB-023

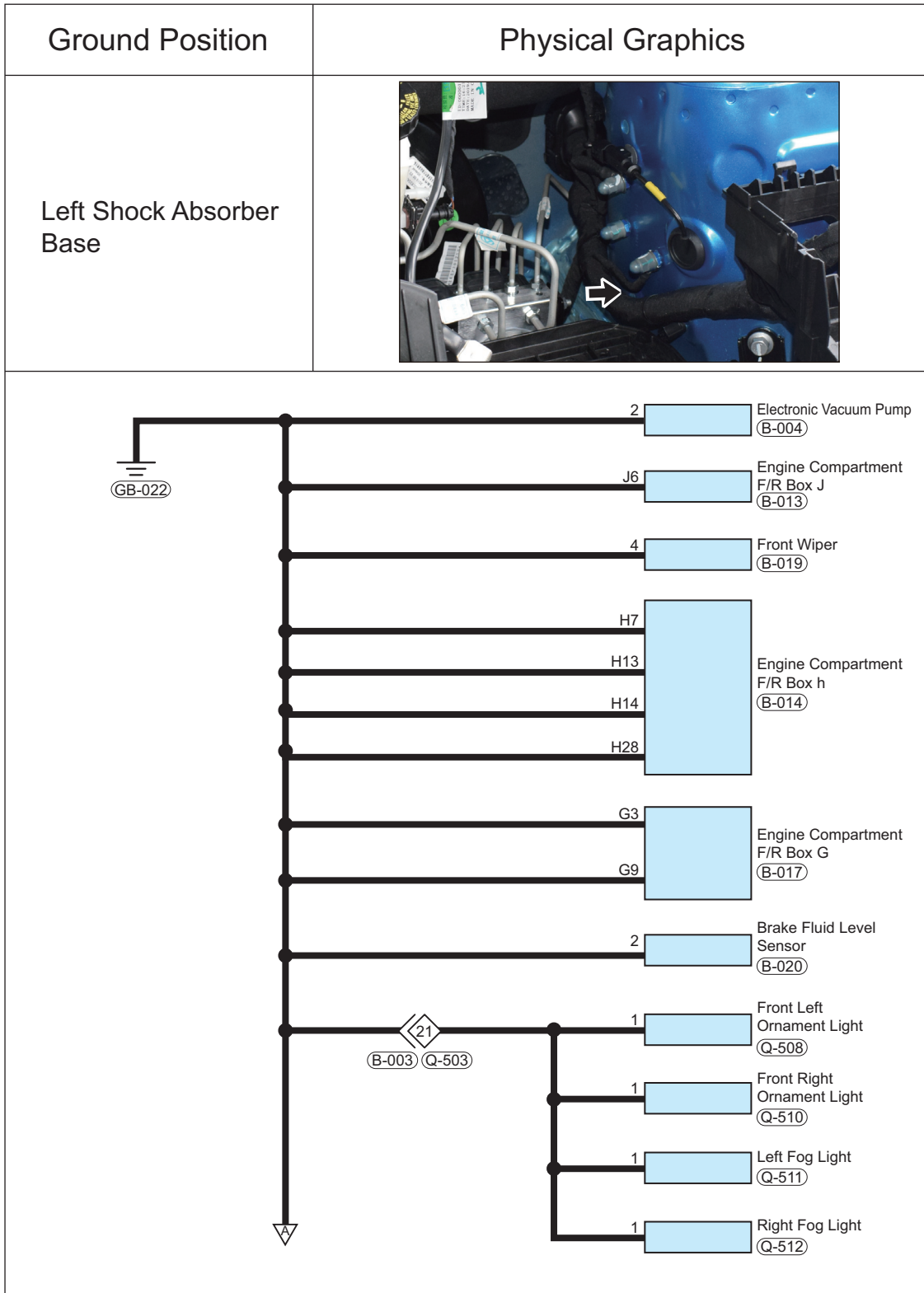
Ground Position	Physical Graphics
<p>Left Side Rail Upper Surface</p>	
	

Ground Position	Physical Graphics
<p>Left Shock Absorber Base</p>	
	

08

GDE002001


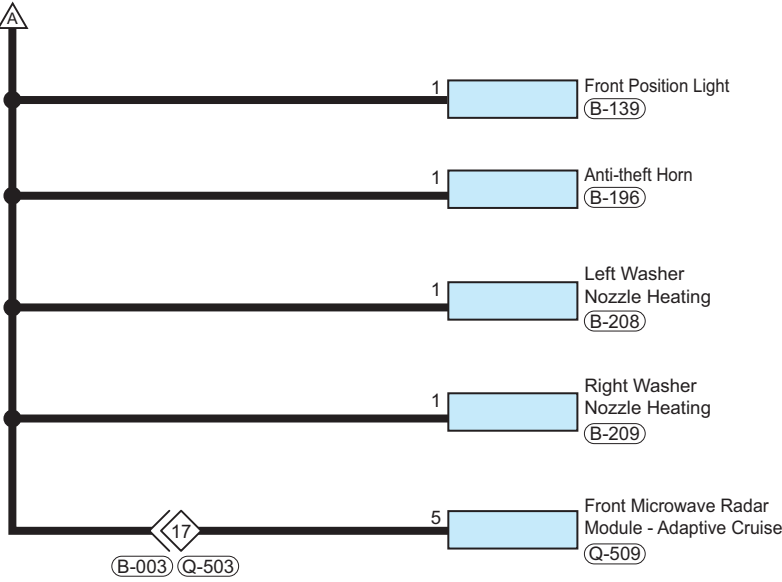
GB-022



GDE003001

08

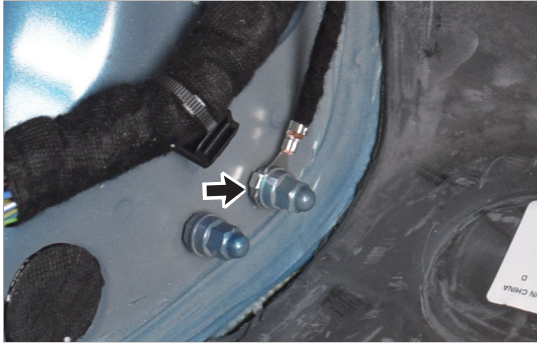
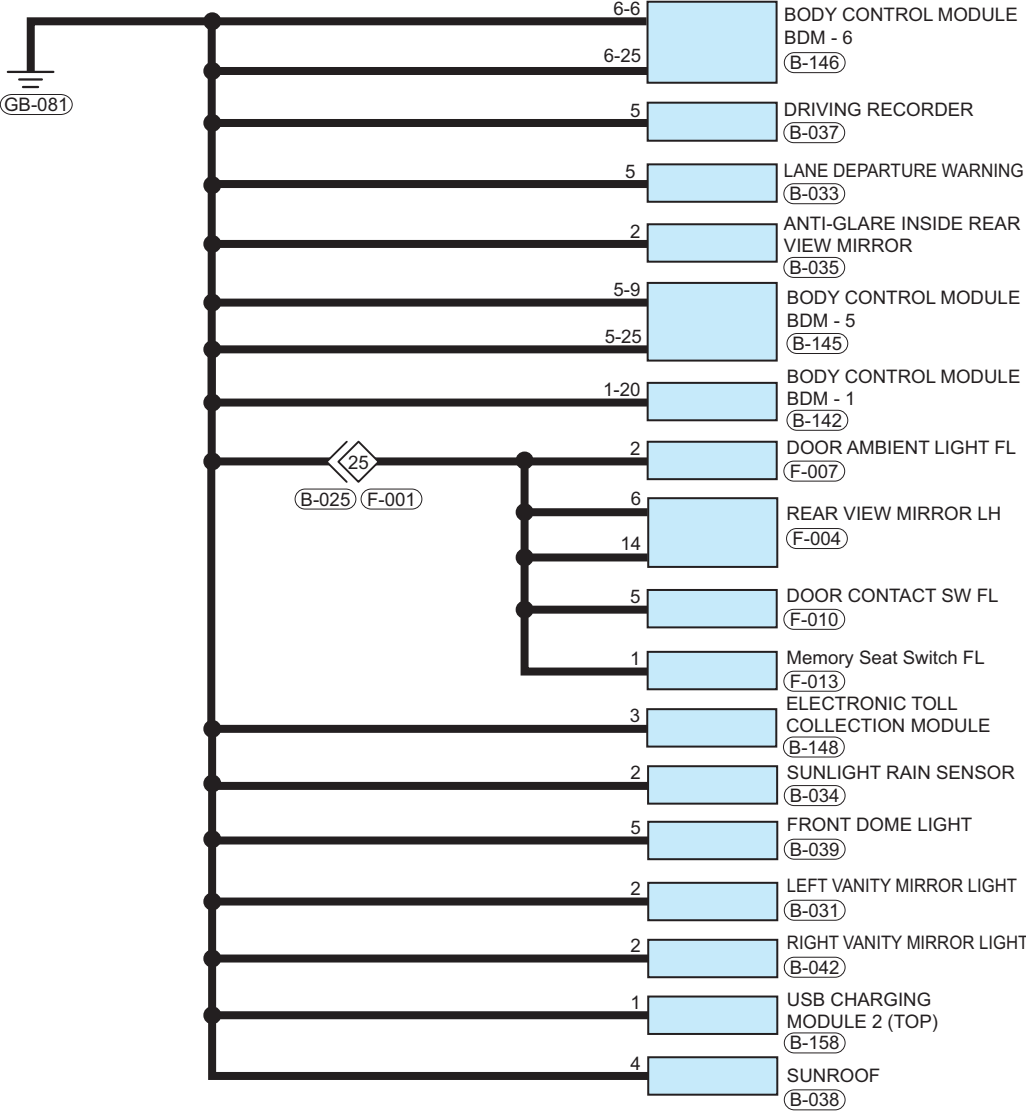
GB-022

Ground Position	Physical Graphics
<p>Left Shock Absorber Base</p>	
	

08

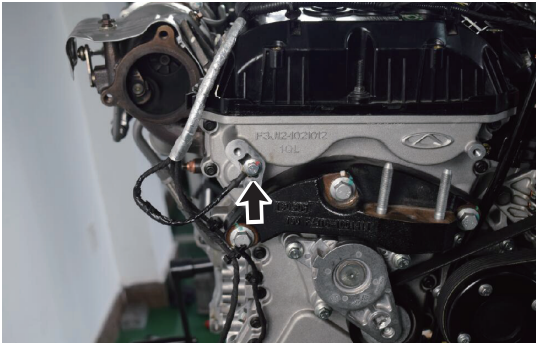
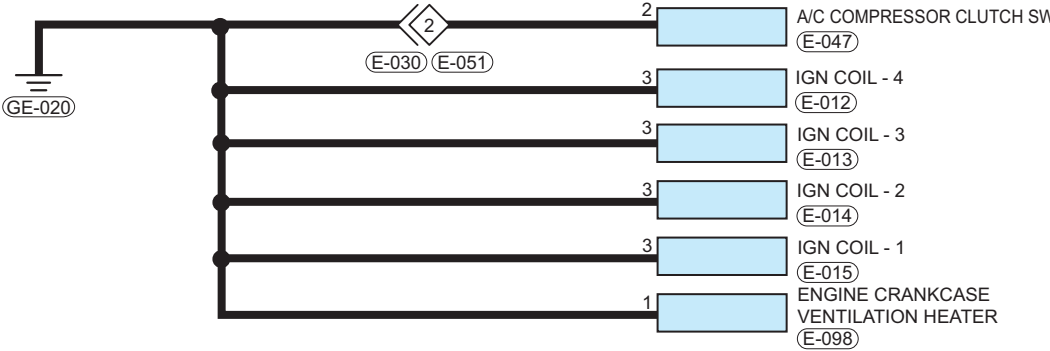
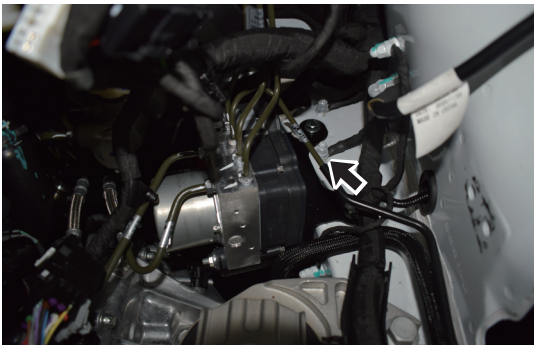

GDE003002

GB-081

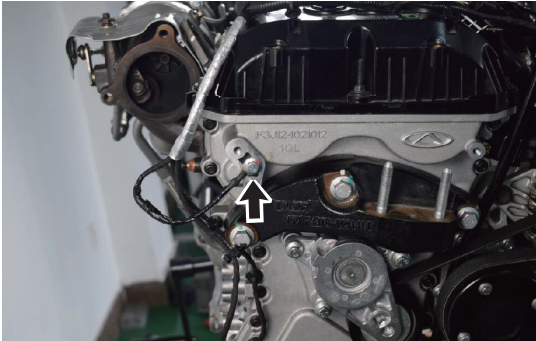
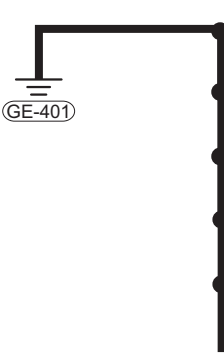
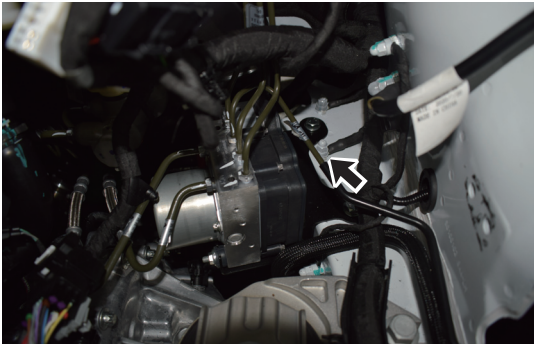
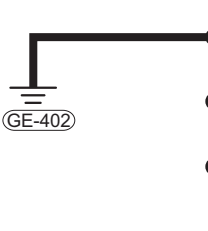
Ground Position	Physical Graphics
<p>Inside of Left A-pillar Lower Rocker</p>	
 <p>6-6 BODY CONTROL MODULE BDM - 6 (B-146)</p> <p>6-25</p> <p>5 DRIVING RECORDER (B-037)</p> <p>5 LANE DEPARTURE WARNING (B-033)</p> <p>2 ANTI-GLARE INSIDE REAR VIEW MIRROR (B-035)</p> <p>5-9 BODY CONTROL MODULE BDM - 5 (B-145)</p> <p>5-25</p> <p>1-20 BODY CONTROL MODULE BDM - 1 (B-142)</p> <p>25 (B-025) (F-001)</p> <p>2 DOOR AMBIENT LIGHT FL (F-007)</p> <p>6 REAR VIEW MIRROR LH (F-004)</p> <p>14</p> <p>5 DOOR CONTACT SW FL (F-010)</p> <p>1 Memory Seat Switch FL (F-013)</p> <p>3 ELECTRONIC TOLL COLLECTION MODULE (B-148)</p> <p>2 SUNLIGHT RAIN SENSOR (B-034)</p> <p>5 FRONT DOME LIGHT (B-039)</p> <p>2 LEFT VANITY MIRROR LIGHT (B-031)</p> <p>2 RIGHT VANITY MIRROR LIGHT (B-042)</p> <p>1 USB CHARGING MODULE 2 (TOP) (B-158)</p> <p>4 SUNROOF (B-038)</p>	

GDE004001

GE-020 GE-031

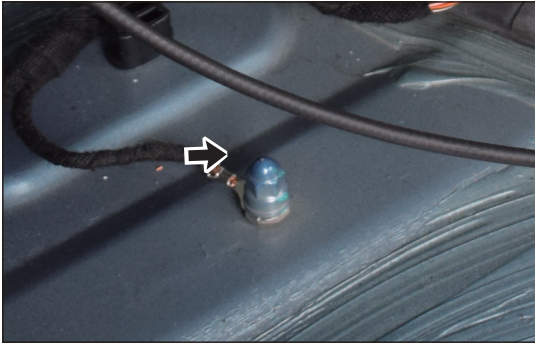
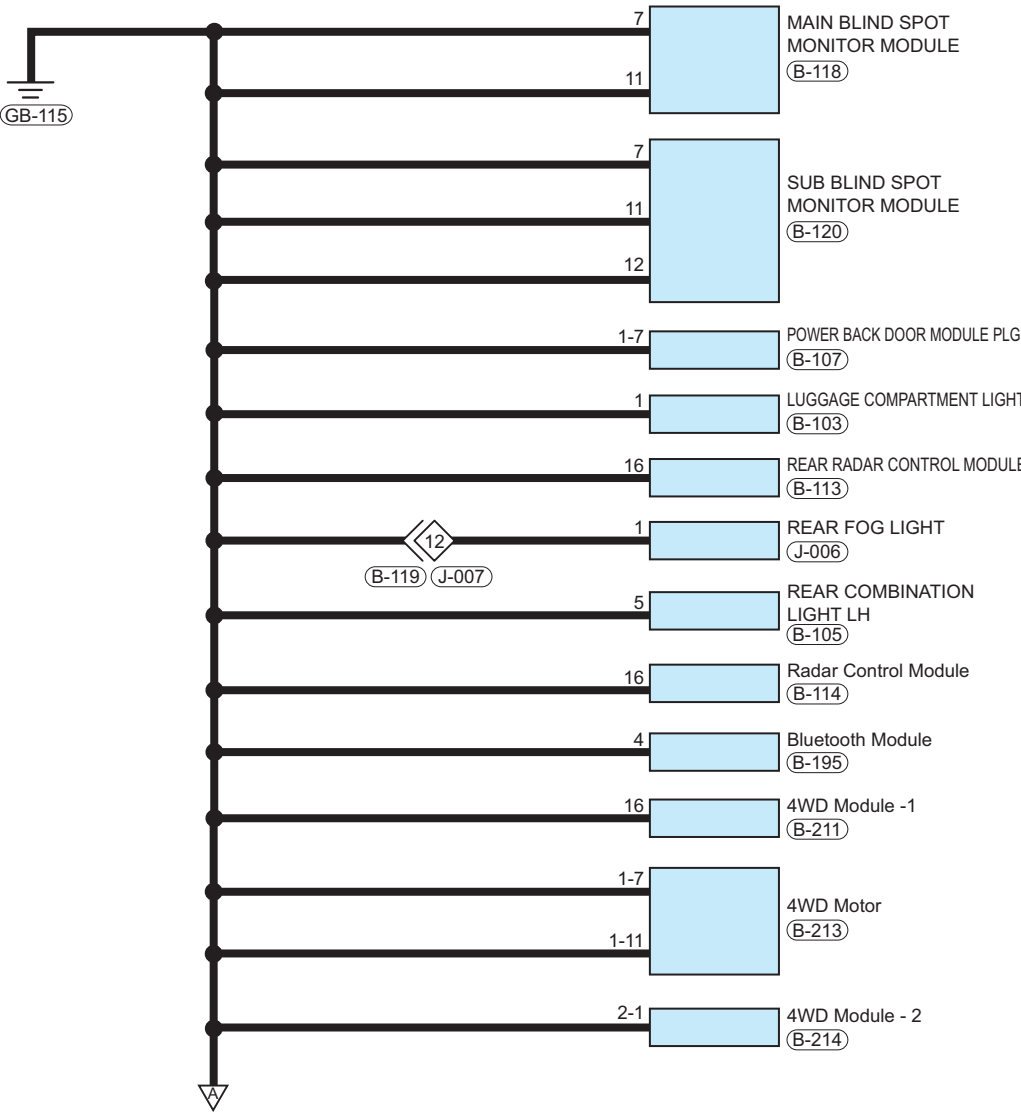
Ground Position	Physical Graphics
<p>Engine</p>	
	
Ground Position	Physical Graphics
<p>Front Left Side Rail</p>	
	

GDE005001

Ground Position	Physical Graphics
<p>Engine</p>	
 <p>GE-401</p>	<ul style="list-style-type: none"> <li>2 A/C COMPRESSOR CLUTCH SW (E-089)</li> <li>1 ENGINE CRANKCASE VENTILATION HEATER (E-097)</li> <li>3 IGN COIL - 4 (E-059)</li> <li>3 IGN COIL - 3 (E-060)</li> <li>3 IGN COIL - 2 (E-061)</li> <li>3 IGN COIL - 1 (E-062)</li> </ul>
Ground Position	Physical Graphics
<p>Front Left Side Rail</p>	
 <p>GE-402</p>	<ul style="list-style-type: none"> <li>2 IGN COIL - 1 (E-062)</li> <li>2 IGN COIL - 2 (E-061)</li> <li>2 IGN COIL - 3 (E-060)</li> <li>2 IGN COIL - 4 (E-059)</li> </ul>

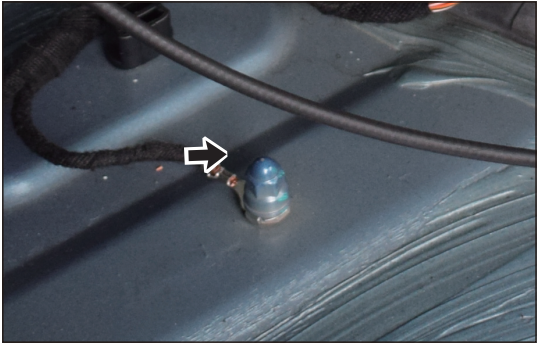
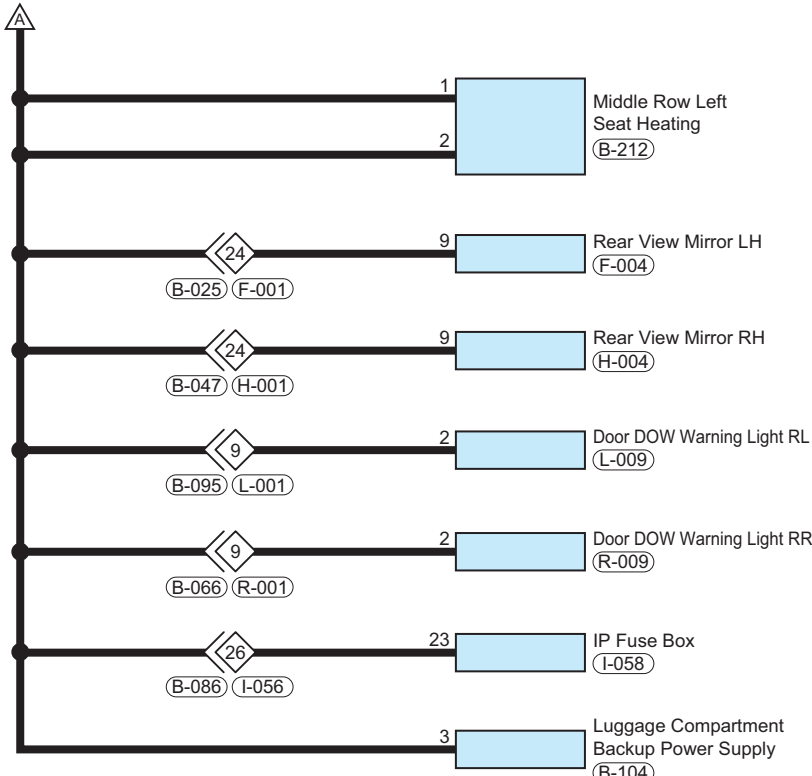
GDE006001

GB-115

Ground Position	Physical Graphics
Rear Floor LH	
	

GDE007001

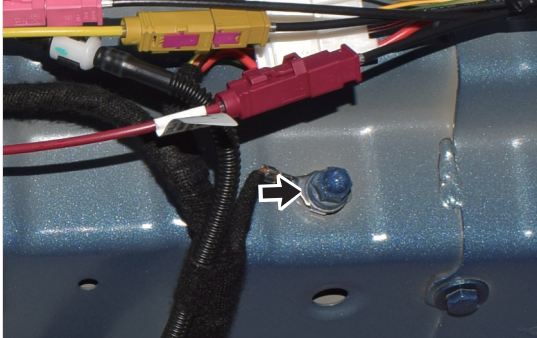
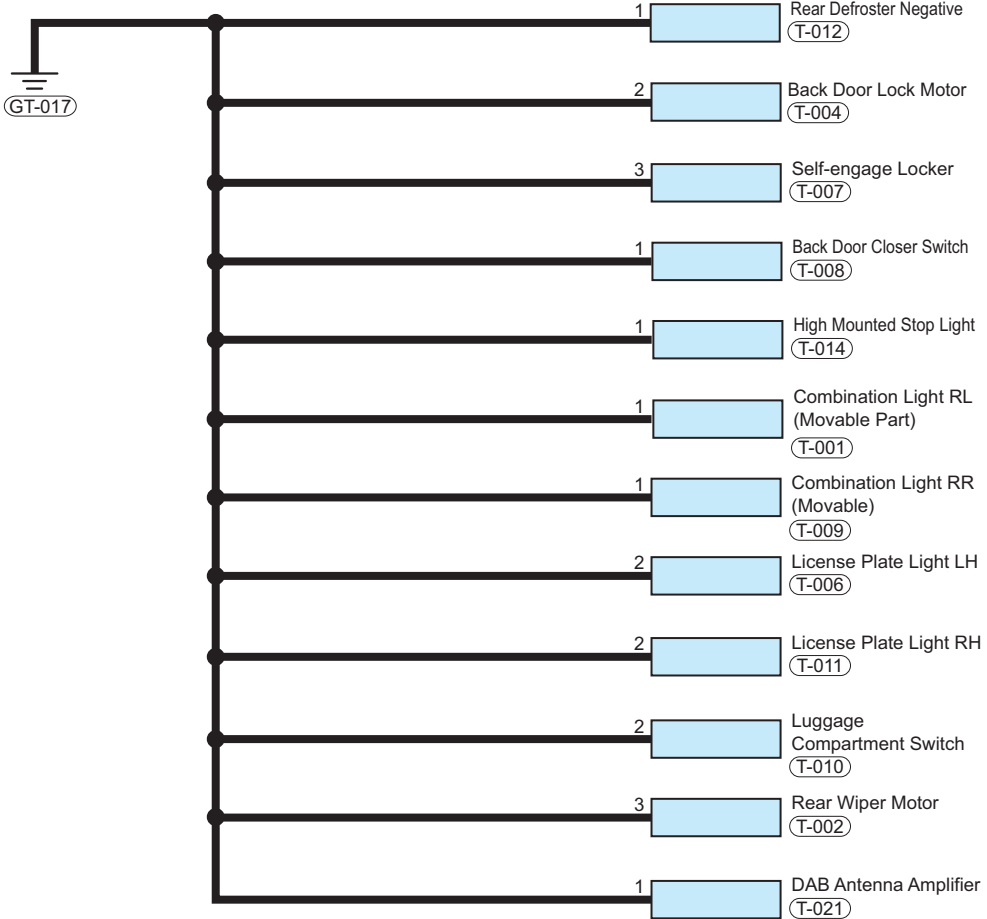
GB-115

Ground Position	Physical Graphics
Rear Floor LH	
	

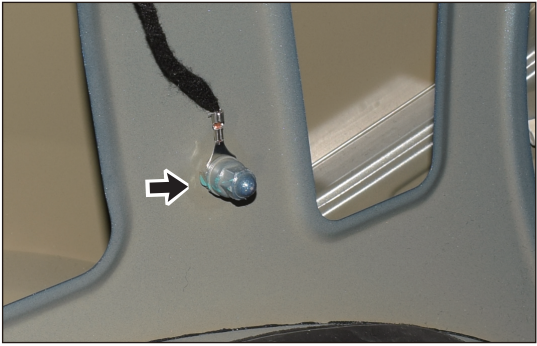

GDE007002

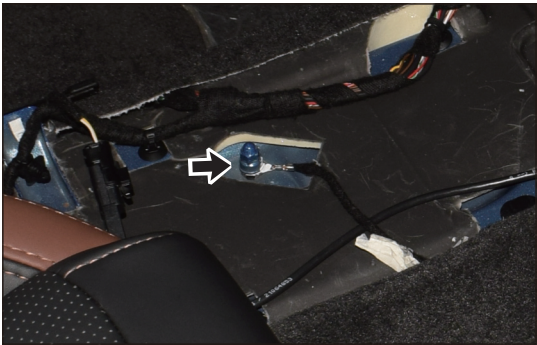



GT-017

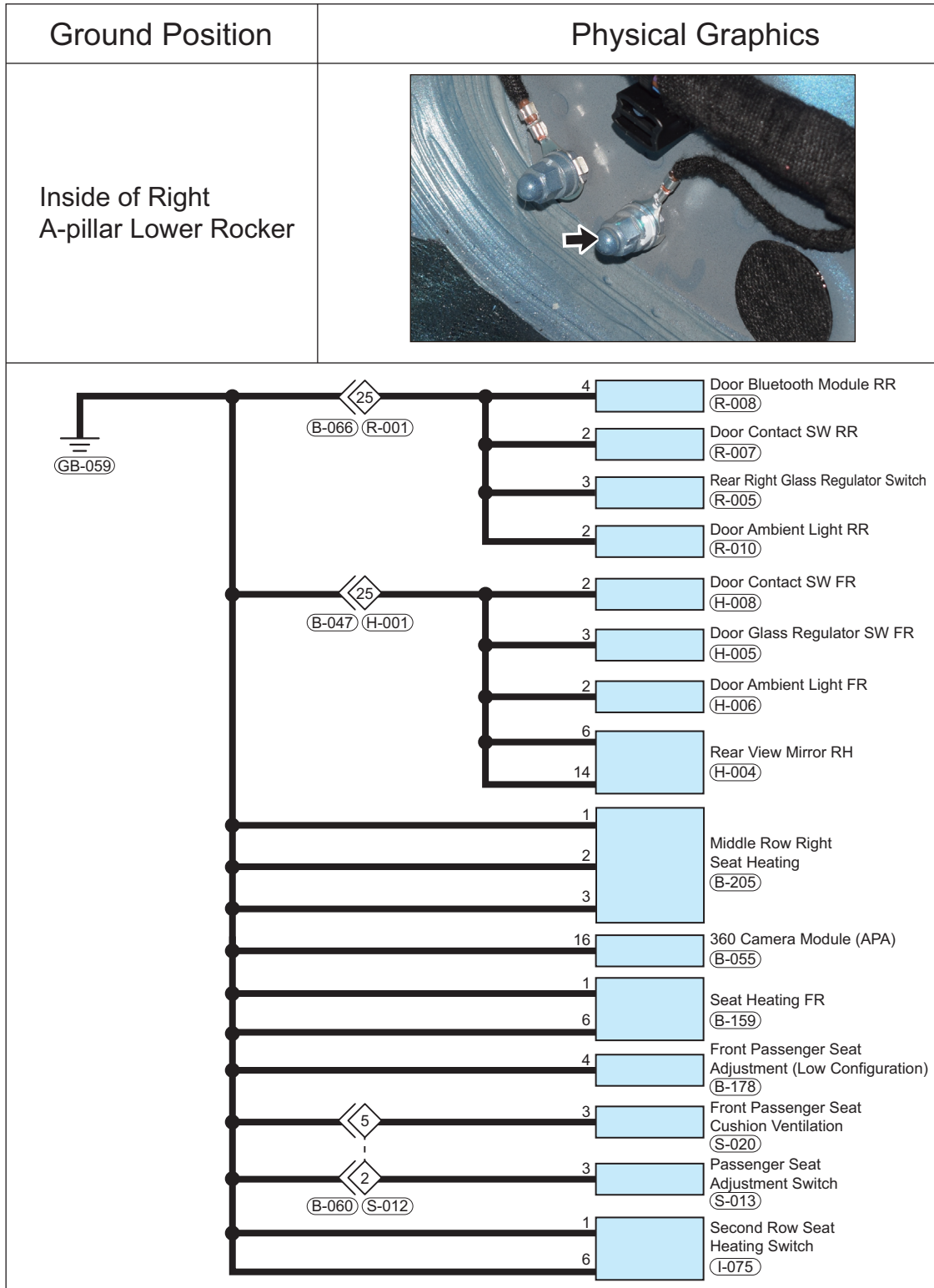
Ground Position	Physical Graphics
At Rear Roof Crossmember	
	

GDE008001

Ground Position	Physical Graphics
Right Side Quarter Inner Panel	
	

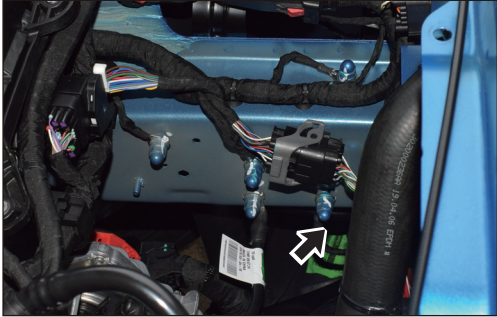
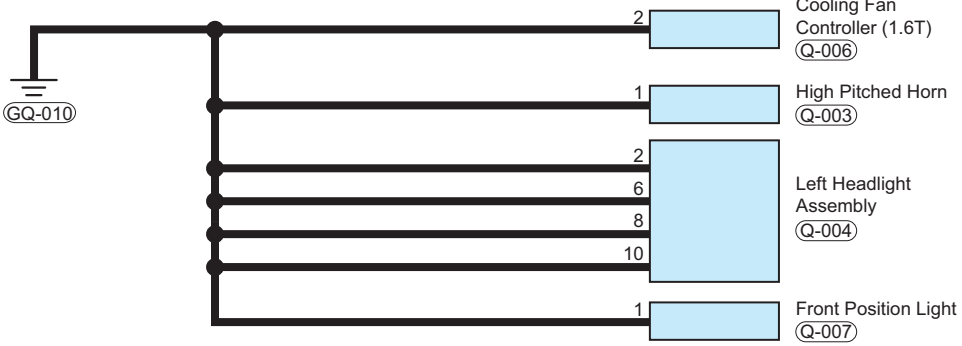
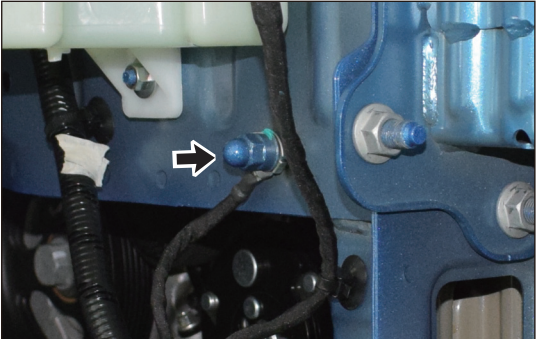
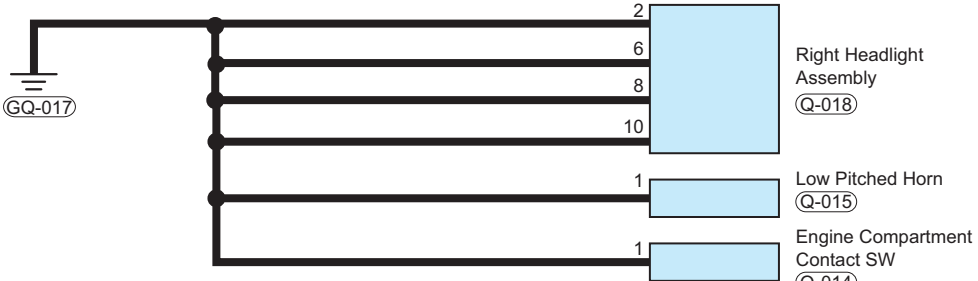
Ground Position	Physical Graphics
Above Central Channel Sheet Metal	
	

GB-059



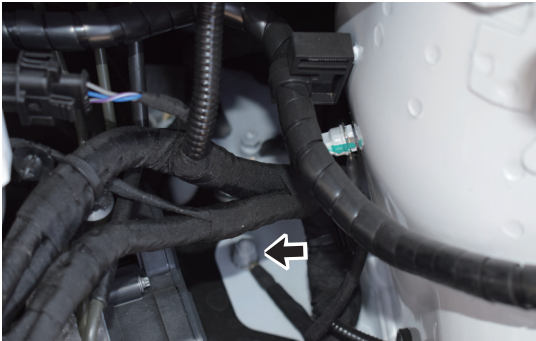

08

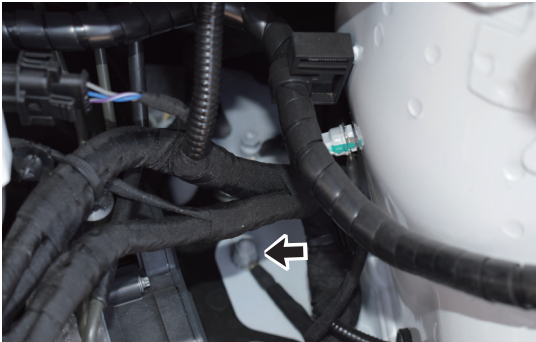

GDE010001

Ground Position	Physical Graphics
<p>Inside of Left Side Rail</p>	
	 <ul style="list-style-type: none"> <li>2 Cooling Fan Controller (1.6T) (Q-006)</li> <li>1 High Pitched Horn (Q-003)</li> <li>2, 6, 8, 10 Left Headlight Assembly (Q-004)</li> <li>1 Front Position Light (Q-007)</li> </ul>
Ground Position	Physical Graphics
<p>Right Side Rail Outer Plate</p>	
	 <ul style="list-style-type: none"> <li>2, 6, 8, 10 Right Headlight Assembly (Q-018)</li> <li>1 Low Pitched Horn (Q-015)</li> <li>1 Engine Compartment Contact SW (Q-014)</li> </ul>

GDE011001

GB-007 GB-147

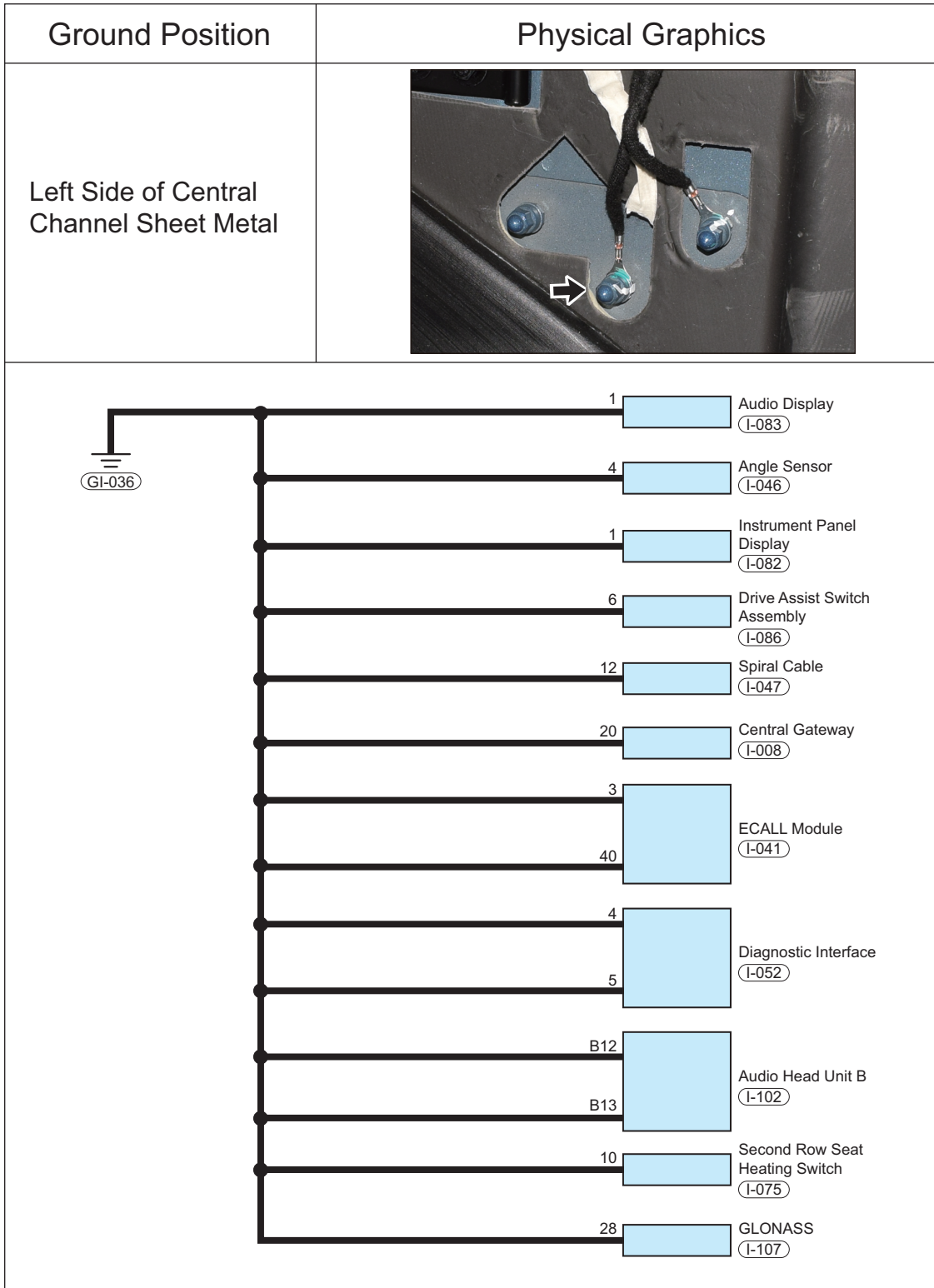
Ground Position	Physical Graphics
Front Left Side Rail	
	

Ground Position	Physical Graphics
Front Left Side Rail	
	

08

GDE012001

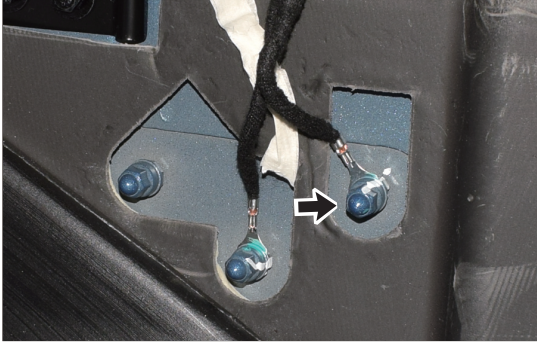
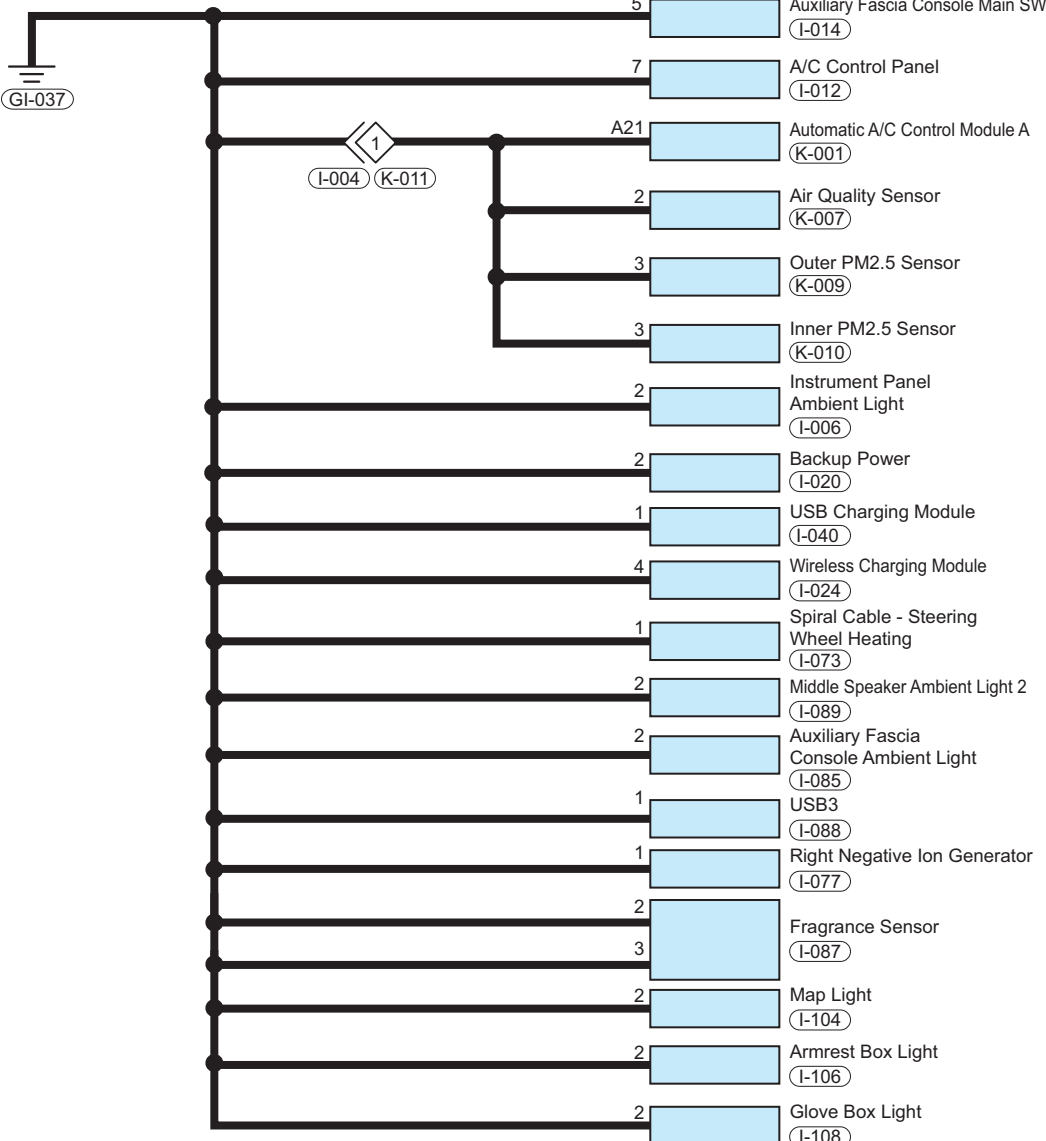
GI-036



08

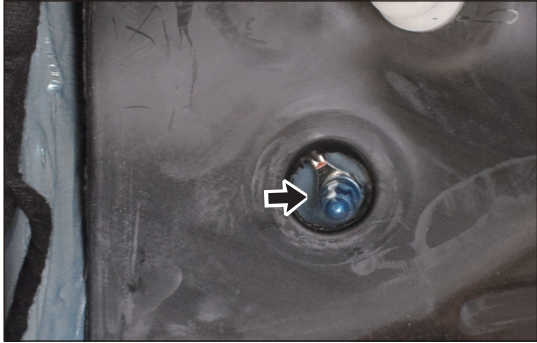

GDE013001

GI-037

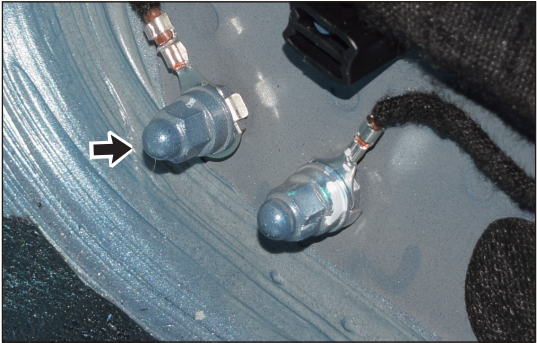
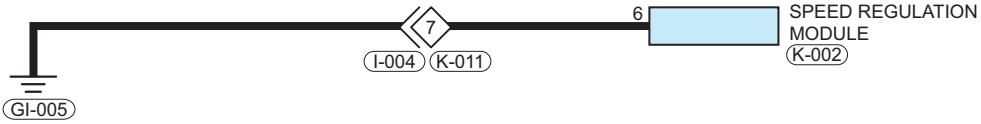
Ground Position	Physical Graphics
Left Side of Central Channel Sheet Metal	
 <ul style="list-style-type: none"> <li>5 Auxiliary Fascia Console Main SW (I-014)</li> <li>7 A/C Control Panel (I-012)</li> <li>A21 Automatic A/C Control Module A (K-001)</li> <li>2 Air Quality Sensor (K-007)</li> <li>3 Outer PM2.5 Sensor (K-009)</li> <li>3 Inner PM2.5 Sensor (K-010)</li> <li>2 Instrument Panel Ambient Light (I-006)</li> <li>2 Backup Power (I-020)</li> <li>1 USB Charging Module (I-040)</li> <li>4 Wireless Charging Module (I-024)</li> <li>1 Spiral Cable - Steering Wheel Heating (I-073)</li> <li>2 Middle Speaker Ambient Light 2 (I-089)</li> <li>2 Auxiliary Fascia Console Ambient Light (I-085)</li> <li>1 USB3 (I-088)</li> <li>1 Right Negative Ion Generator (I-077)</li> <li>2 Fragrance Sensor (I-087)</li> <li>2 Map Light (I-104)</li> <li>2 Armrest Box Light (I-106)</li> <li>2 Glove Box Light (I-108)</li> </ul>	

GDE014001

GI-005 GB-080

Ground Position	Physical Graphics
Left Front Baffle	
	

08

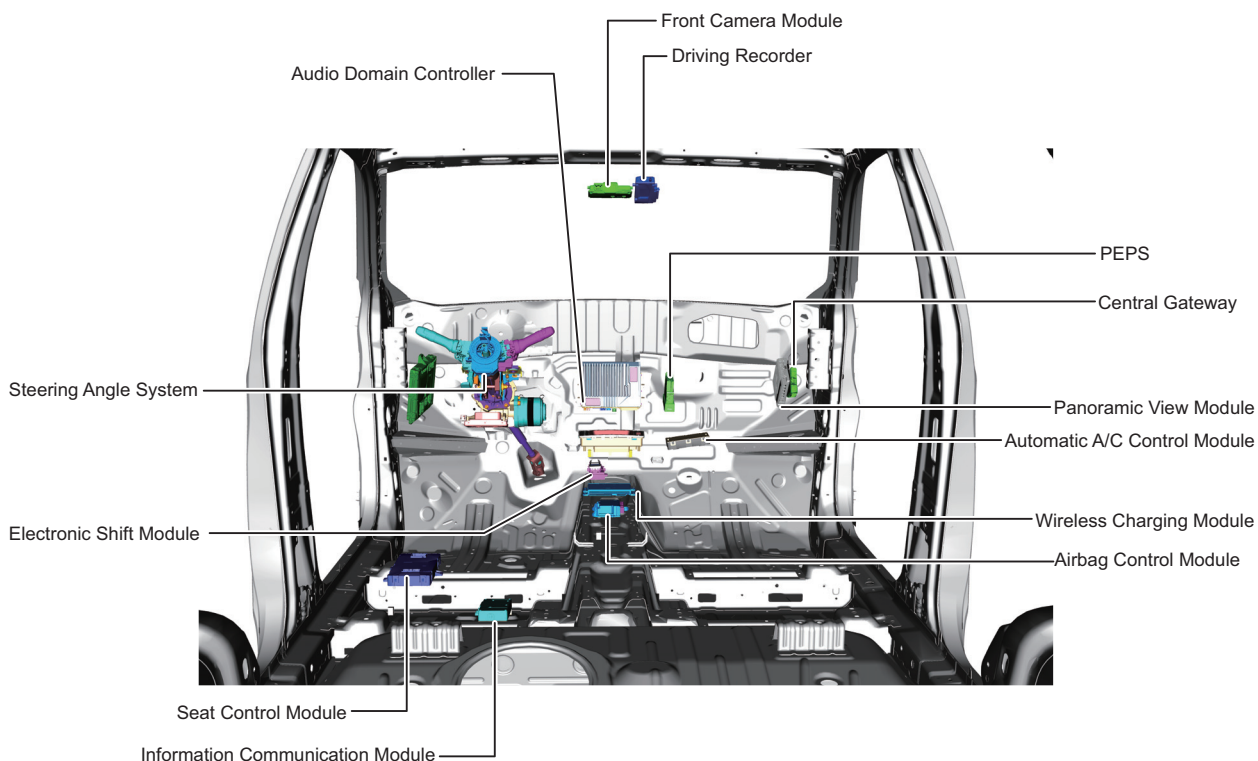
Ground Position	Physical Graphics
Inside of Right A-pillar Lower Rocker	
	

GDE015001



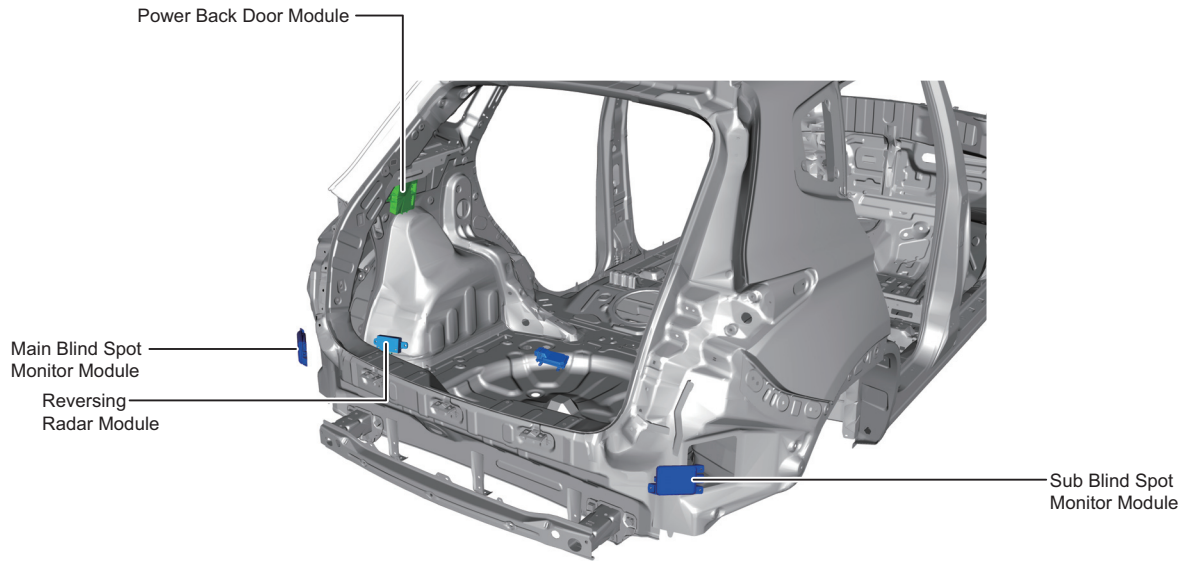
# Control Module Distribution Diagram and Terminal Definition

This section introduces the position and terminal definition information of each control module of vehicle. Whole vehicle includes the following modules:

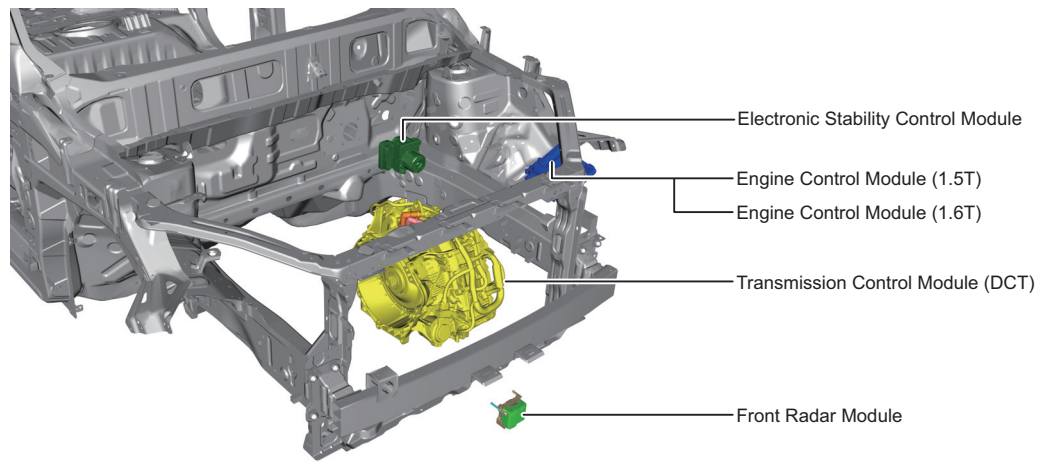


EWD130001

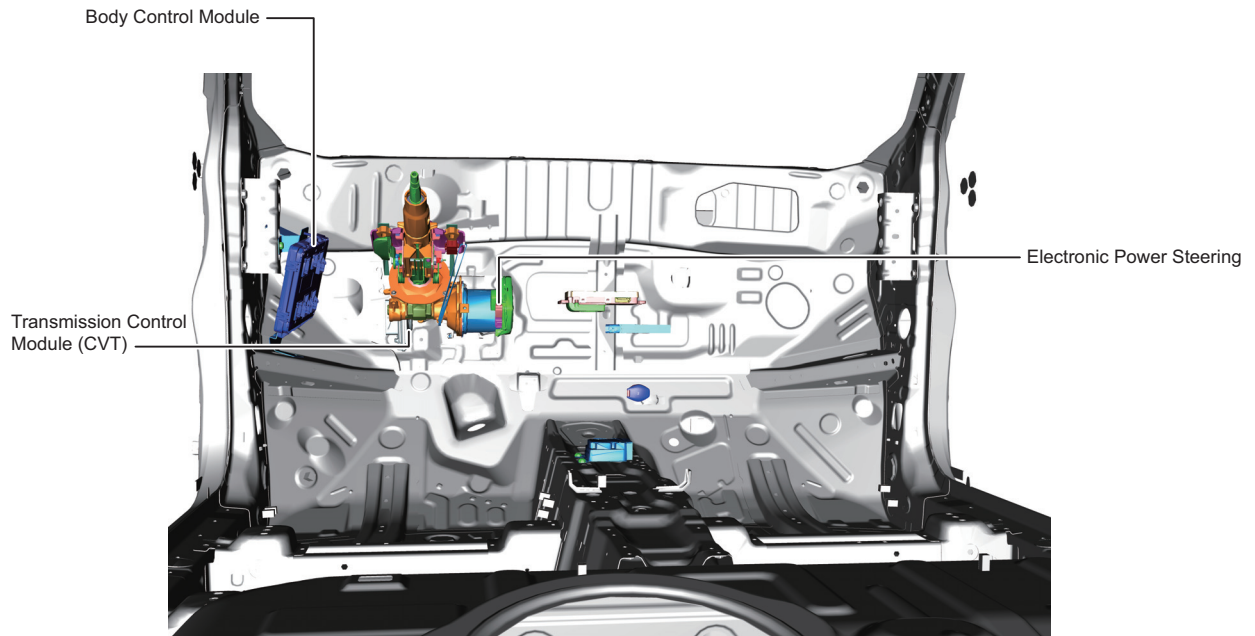
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EWD140001

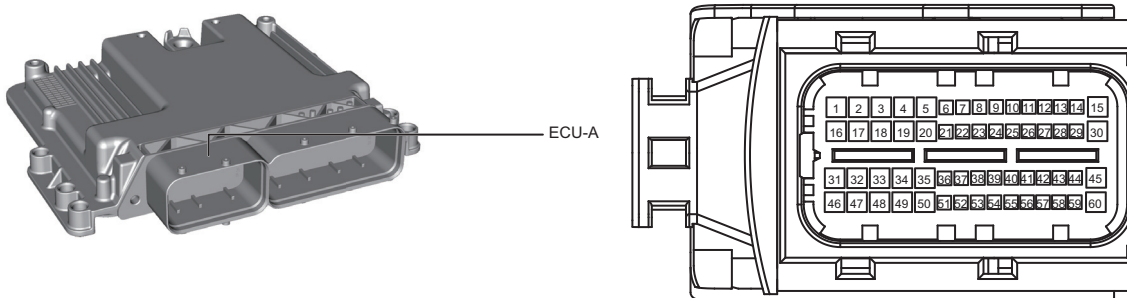


EWD150001



EWD160001

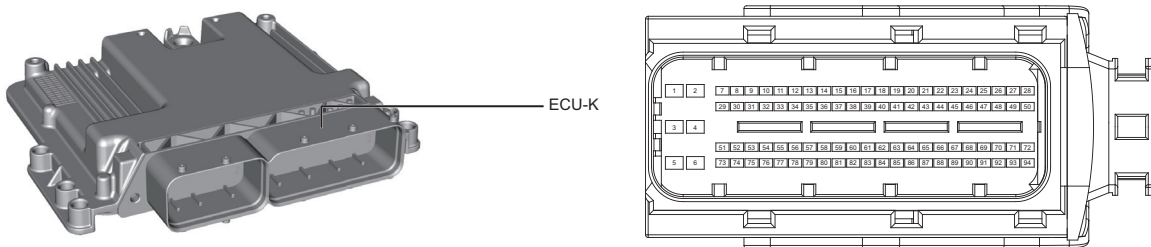
## Engine Control Module (ECU-A) (1.6T) Terminal Definition



PIN	Definition	PIN	Definition
A1	Electronic Throttle Control+	A31	1st Cylinder Injection+
A2	Electronic Throttle Control-	A32	4th Cylinder Injection+
A3	Fuel Pressure Control Valve-	A33	1st Cylinder Injection-
A4	Fuel Pressure Control Valve+	A34	3rd Cylinder Injection-
A5	Variable Valve Timing Valve (Exhaust)	A35	Electronic Waste Gate Control+
A6	Intake Pressure Sensor Ground	A36	GPF Differential Pressure Sensor Signal
A7	5 V Power Supply	A37	1st Cylinder Ignition
A8	5 V Power Supply	A38	3rd Cylinder Ignition
A9	Sensor Ground	A39	4th Cylinder Ignition
A10	Knock Sensor B	A40	2nd Cylinder Ignition
A11	-	A41	Throttle Position Sensor 2
A12	Intake Pressure Sensor	A42	-
A13	Electronic Waste Gate Position Signal	A43	Coolant Temperature Sensor Ground
A14	Fuel Rail Pressure Sensor	A44	5 V Power Supply
A15	-	A45	-
A16	Variable Oil Pump	A46	3rd Cylinder Injection+
A17	-	A47	2nd Cylinder Injection+
A18	Canister Control Valve	A48	4th Cylinder Injection-
A19	Relief Control Valve	A49	2nd Cylinder Injection-
A20	Variable Valve Timing Valve (Intake)	A50	Electronic Waste Gate Control-
A21	-	A51	Sensor Ground
A22	-	A52	GPF Differential Pressure Sensor Power Supply
A23	Engine Speed Sensor (Hall Type)	A53	Phase Sensor (Intake)
A24	Throttle Position Sensor 1	A54	Phase Sensor (Exhaust)
A25	Knock Sensor A	A55	-

PIN	Definition	PIN	Definition
A26	Sensor Ground	A56	Intake Air Temperature Sensor
A27	5 V Power Supply	A57	Water Temperature Sensor
A28	Sensor Ground	A58	Mass Air Flow Signal (HFM7)
A29	-	A59	Sensor Ground
A30	-	A60	-

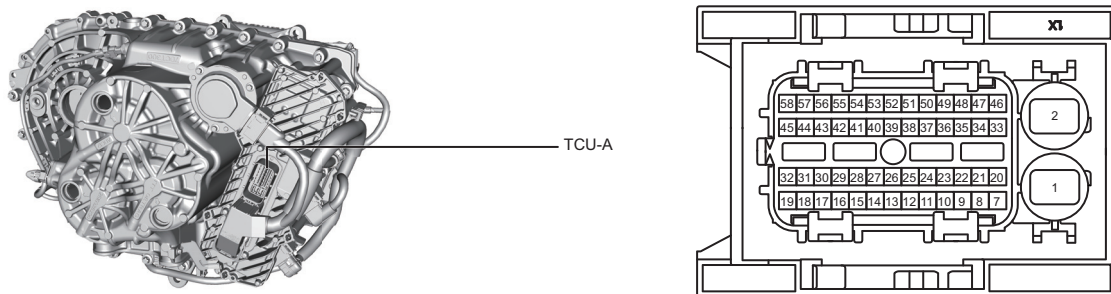
## Engine Control Module (ECU-K) (1.6T) Terminal Definition



PIN	Definition	PIN	Definition
K1	ECU Ground 1	K48	Low Pressure Oil Line Pressure Sensor
K2	ECU Ground 2	K49	PWM Fan
K3	Main Relay Power Supply 1	K50	A/C Compressor Relay
K4	ECU Ground 3	K51	-
K5	Main Relay Power Supply 2	K52	Pedal 2 Ground
K6	Main Relay Power Supply 3	K53	-
K7	Upstream Oxygen Sensor Heating	K54	-
K8	Electronic Water Pump Controller	K55	-
K9	Start Stop Relay 2	K56	GPF Differential Pressure Sensor Signal
K10	A/C Pressure Sensor	K57	Canister Close Valve
K11	Sensor Ground	K58	5 V Power Supply
K12	Cruise Control	K59	5 V Power Supply
K13	Brake Vacuum Sensor	K60	Immobilizer Input
K14	Switch Type Water Pump Solenoid Valve	K61	Accelerator Pedal Position Sensor 2
K15	Oil Pump Relay	K62	Downstream Oxygen Sensor
K16	Electronic Thermostat	K63	Boost Pressure Sensor
K17	5 V Power Supply	K64	Boost Pressure Temperature Sensor
K18	-	K65	LIN Bus Port
K19	Brake Light Switch	K66	-
K20	-	K67	-
K21	Sensor Ground	K68	-
K22	-	K69	Main Relay
K23	-	K70	Starter State Feedback
K24	Brake Switch	K71	Sensor Ground
K25	-	K72	-

PIN	Definition	PIN	Definition
K26	Electric Vacuum Pump Relay	K73	-
K27	-	K74	Canister Desorption Pressure Sensor
K28	-	K75	-
K29	Downstream Oxygen Sensor Heating	K76	Upstream Oxygen VM
K30	Continuous Power Supply	K77	Upstream Oxygen UN
K31	Start Stop Relay 1	K78	Upstream Oxygen IA
K32	GPF Differential Pressure Sensor Ground	K79	Upstream Oxygen IP
K33	-	K80	Pedal 1 Ground
K34	Upstream Oxygen Sensor Ground	K81	Pedal 5V Power Supply 2
K35	-	K82	Pedal 5 V Power Supply 1
K36	Exhaust Temperature Sensor	K83	Accelerator Pedal Position Sensor 1
K37	Fuel Tank Pressure Sensor	K84	-
K38	-	K85	-
K39	-	K86	-
K40	-	K87	Ignition Switch
K41	-	K88	-
K42	-	K89	-
K43	-	K90	-
K44	CAN L	K91	-
K45	CAN H	K92	-
K46	-	K93	-
K47	-	K94	-

Transmission Control Module (TCU-A) (DCT) Terminal Definition

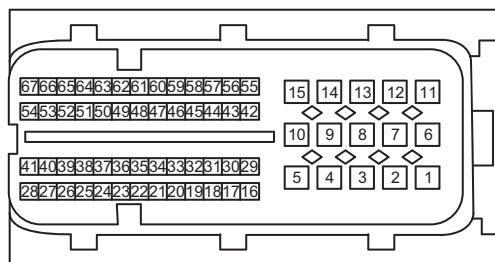
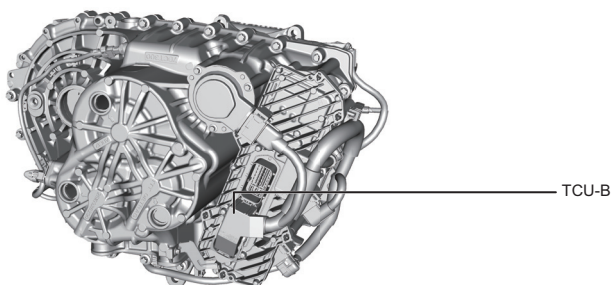


PIN	Definition	PIN	Definition
A1	KL30 Power Supply	A30	-
A2	Ground	A31	KL15 Power Supply
A3	-	A32	-
A4	-	A33	-
A5	-	A34	CAN-H
A6	-	A35	CAN-L
A7	-	A36	-
A8	-	A37	-
A9	-	A38	-
A10	-	A39	-
A11	-	A40	-
A12	-	A41	-
A13	-	A42	-
A14	-	A43	-
A15	-	A44	-
A16	-	A45	-
A17	-	A46	-
A18	KL30 Power Supply	A47	-
A19	-	A48	-
A20	-	A49	-
A21	-	A50	-
A22	-	A51	-
A23	-	A52	-
A24	-	A53	-
A25	-	A54	-
A26	-	A55	-
A27	-	A56	-



PIN	Definition	PIN	Definition
A28	-	A57	-
A29	-	A58	-

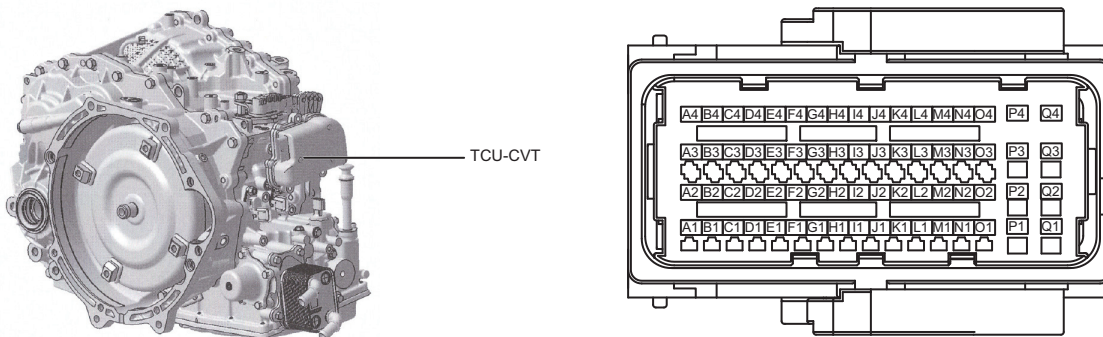
Transmission Control Module (TCU-B) (DCT) Terminal Definition



PIN	Definition	PIN	Definition
B1	Clutch Motor 2 Phase U	B35	Clutch Motor 2 Position Signal
B2	Clutch Motor 2 Phase V	B36	Input Shaft Speed Sensor 2 Signal
B3	Clutch Motor 2 Phase W	B37	Pressure Sensor 2 Ground
B4	Clutch Motor 1 Phase U	B38	Pressure Sensor 1 Ground
B5	Clutch Motor 1 Phase V	B39	-
B6	Shift Motor 1 Phase U	B40	Temperature Sensor Ground
B7	Shift Motor 1 Phase V	B41	Input Shaft Speed Sensor 1 Power Supply
B8	Shift Motor 1 Phase W	B42	Cooling Motor Hall Sensor 3 Signal
B9	Shift Motor 2 Phase U	B43	Shift Motor 2 Hall Sensor 3 Signal
B10	Clutch Motor 1 Phase W	B44	Shift Motor 1 Hall Sensor Signal 3
B11	Cooling Motor Phase U	B45	Clutch Motor 2 Hall Sensor 3 Signal
B12	Cooling Motor Phase V	B46	Clutch Motor 1 Hall Sensor 3 Signal
B13	Cooling Motor Phase W	B47	Shift Motor 1 Hall Sensor Power Supply
B14	Shift Motor 2 Phase V	B48	Shift Motor 1 Position Signal
B15	Shift Motor 2 Phase W	B49	Shift Motor 2 Hall Sensor 3 Signal
B16	Cooling Motor Hall Sensor 1 Signal	B50	Pressure Sensor 2 Power Supply
B17	Shift Motor 2 Hall Sensor 1 Signal	B51	Pressure Sensor 1 Power Supply
B18	Shift Motor 1 Hall Sensor 1 Signal	B52	-
B19	Clutch Motor 2 Hall Sensor 1 Signal	B53	-
B20	Clutch Motor 1 Hall Sensor 1 Signal	B54	-
B21	Clutch Motor 1 Hall Sensor Power Supply	B55	Cooling Motor Sensor Ground
B22	-	B56	Shift Motor 2 Hall Sensor Signal Ground
B23	Input Shaft Speed Sensor 2 Power Supply	B57	Shift Motor 1 Hall Sensor Signal Ground

PIN	Definition	PIN	Definition
B24	Pressure Sensor 2 Signal	B58	Clutch Motor 2 Hall Sensor Signal Ground
B25	Pressure Sensor 1 Signal	B59	Clutch Motor 1 Hall Sensor Signal Ground
B26	-	B60	Cooling Motor Sensor Power Supply
B27	Temperature Sensor Signal	B61	Shift Motor 2 Position Signal
B28	Input Shaft Speed Sensor 1 Signal	B62	-
B29	Cooling Motor Hall Sensor 2 Signal	B63	-
B30	Shift Motor 2 Hall Sensor 2 Signal	B64	-
B31	Shift Motor 1 Hall Sensor 2 Signal	B65	-
B32	Clutch Motor 2 Hall Sensor 2 Signal	B66	-
B33	Clutch Motor 1 Hall Sensor 2 Signal	B67	-
B34	Clutch Motor 2 Sensor Power Supply		

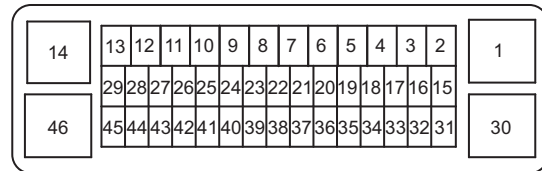
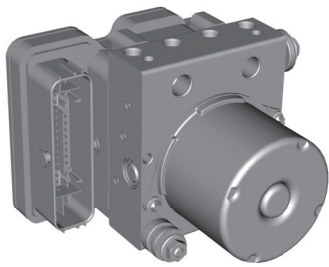
Transmission Control Module (TCU) (CVT) Terminal Definition



PIN	Definition	PIN	Definition
A1	-	J1	P-CAN L
A2	-	J2	-
A3	Input Pulley Shaft Pressure Control Valve Low Side	J3	Turbine Speed Sensor Signal
A4	-	J4	Turbine/Output Pulley Shaft Speed Sensor Ground
B1	-	K1	P-CAN H
B2	-	K2	Output Pulley Shaft Speed Sensor Signal
B3	-	K3	-
B4	Clutch Control Valve Low Side	K4	Input Pulley Shaft Speed Sensor Signal
C1	-	L1	Vehicle CAN Low
C2	Output Pulley Shaft Oil Pressure/ Temperature Sensor Ground	L2	-
C3	-	L3	-
C4	Output Pulley Shaft Pressure Control Valve Low Side	L4	-
D1	-	M1	Vehicle CAN High
D2	Input Pulley Shaft Oil Pressure/Gear Sensor Ground	M2	-
D3	Hydraulic Torque Converter Control Valve Low Side	M3	Input Pulley Shaft Speed Sensor Ground
D4	Main Oil Pressure Control Valve Low Side	M4	-
E1	Transmission Oil Temperature Sensor Signal	N1	-
E2	-	N2	Input Pulley Shaft Oil Pressure/Gear Sensor Power Supply
E3	-	N3	-

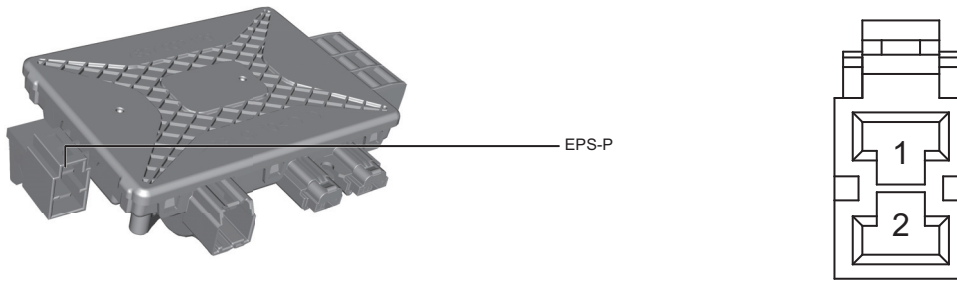
PIN	Definition	PIN	Definition
E4	-	N4	Turbine Pulley Shaft Speed Sensor Power Supply
F1	Output Pulley Shaft Oil Pressure Sensor Signal	O1	-
F2	Input Pulley Shaft Oil Pressure Sensor Signal	O2	Output Pulley Shaft Oil Pressure Sensor Power Supply
F3	-	O3	Output Pulley Shaft Speed Sensor Power Supply
F4	-	O4	Input Pulley Shaft Speed Sensor Power
G1	Private CAN High	P1	Main Oil Pressure Control Valve High Side
G2	-	P2	IGN
G3	Gear Sensor 1	P3	KL30
G4	-	P4	Ground
H1	Private CAN Low	Q1	Input/Output Pulley Shaft Pressure Control Valve High Side
H2	-	Q2	Hydraulic Torque Converter/Clutch Control Valve High Side
H3	-	Q3	KL30
H4	Gear Sensor 2	Q4	Ground

## Body Stability Control Module (ESP+EPB) Terminal Definition



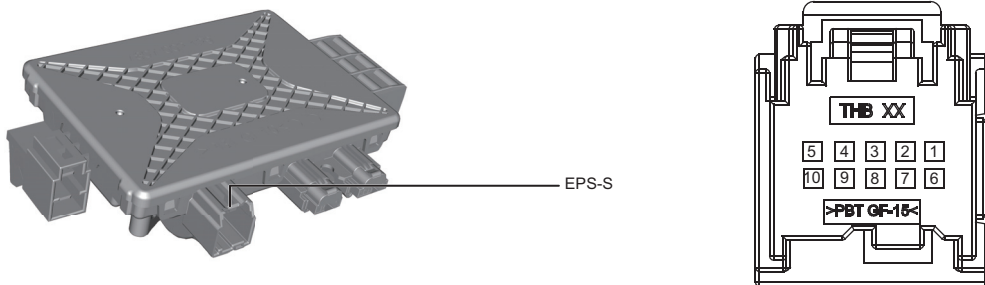
PIN	Definition	PIN	Definition
1	Motor Power Supply Terminal (Positive)	24	Front Left Wheel Speed Sensor Power Supply
2	Rear Right EPB Caliper Power Supply Wire	25	C-CAN L
3	Rear Right EPB Caliper Ground Wire	26	Front Right Wheel Speed Sensor Signal Wire
4	-	27	-
5	P-CAN H	28	-
6	-	29	-
7	Front Left Wheel Speed Sensor Signal Wire	30	Power Supply
8	-	31	SW1
9	-	32	SW4
10	-	33	-
11	C-CAN H	34	-
12	Rear Left EPB Caliper Ground Wire	35	-
13	Rear Left EPB Caliper Power Supply Wire	36	Power Supply
14	Ground	37	Rear Right EPB Caliper Power Supply Wire
15	SW3	38	Signal
16	SW6	39	Rear Left EPB Caliper Signal
17	-	40	-
18	Indicator	41	
19	P-CAN L	42	-
20	-	43	-
21	Front Right Wheel Speed Sensor Power Supply	44	-
22	Rear Right EPB Caliper Signal	45	-
23	Rear Left EPB Caliper Power Supply	46	Ground

Electric Power Steering Module (EPS) - P Terminal Definition



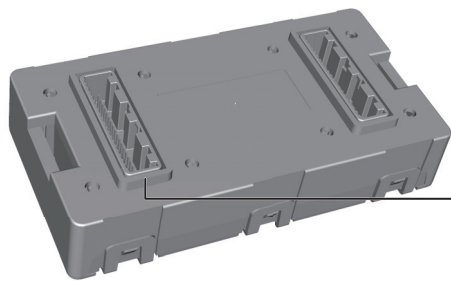
PIN	Definition	PIN	Definition
P-1	Power Supply	P-2	Ground

Electric Power Steering Module (EPS)-S Terminal Definition



PIN	Definition	PIN	Definition
S-1	Power Supply	S-6	-
S-2	C CAN-H	S-7	-
S-3	-	S-8	-
S-4	C CAN-L	S-9	-
S-5	-	S-10	-

Automatic A/C Control Module Terminal Definition



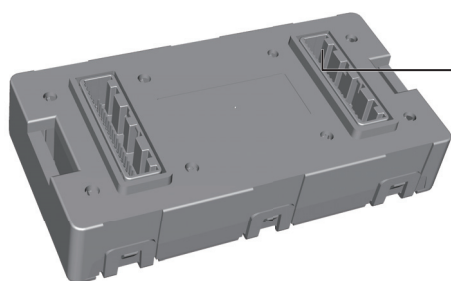
Automatic A/C Control Module A

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

PIN	Definition	PIN	Definition
A1	Left Mix Damper Motor - Pin 3	A21	Power Supply Ground
A2	Left Mix Damper Motor - Pin 2	A22	Signal Ground
A3	Left Mix Damper Motor - Pin 1	A23	-
A4	Right Mix Damper Motor - Pin 4	A24	Right Solar Sensor Signal
A5	Right Mix Damper Motor - Pin 3	A25	Left Solar Sensor Signal
A6	Right Mix Damper Motor - Pin 2	A26	Outer PM2.5 Sensor Signal
A7	Right Mix Damper Motor - Pin 1	A27	Room Temperature Sensor Signal
A8	Blower Relay Control Signal	A28	Evaporator Temperature Sensor Signal
A9	AQS Sensor Signal	A29	Outside Temperature Sensor Signal
A10	B-CAN H	A30	Inner PM2.5 Sensor Signal
A11	B-CAN L	A31	Reserved
A12	Power Supply	A32	Blower Speed Control Pin
A13	Mode Motor - Pin 4	A33	Blower Negative Feedback Pin
A14	Mode Motor - Pin 3	A34	Reserved
A15	Mode Motor - Pin 2	A35	Solar Sensor Ground
A16	Mode Motor - Pin 1	A36	Inner PM2.5 Sensor Power Supply
A17	Inner/Outer Circulation Motor - Pin 4	A37	KL30
A18	Inner/Outer Circulation Motor - Pin 3	A38	Compressor External Control Valve Positive
A19	Inner/Outer Circulation Motor - Pin 2	A39	Compressor External Control Valve Negative
A20	Inner/Outer Circulation Motor - Pin 1	A40	Left Mix Damper Motor - Pin 4



## Automatic A/C Control Module Terminal Definition

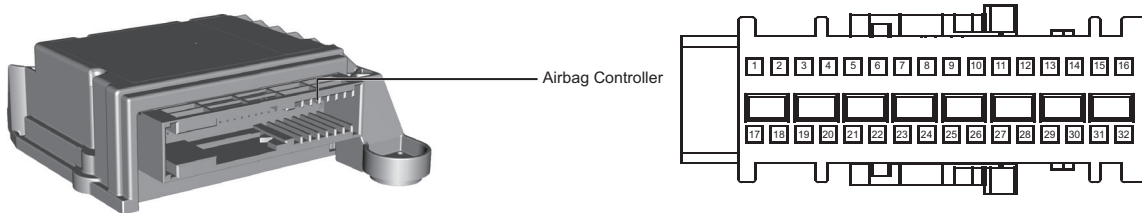


Automatic A/C Control Module B

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

PIN	Definition	PIN	Definition
B1	-	B21	-
B2	-	B22	-
B3	-	B23	-
B4	-	B24	-
B5	-	B25	Fragrance Sensor Request Signal
B6	-	B26	-
B7	-	B27	-
B8	-	B28	-
B9	-	B29	-
B10	-	B30	-
B11	-	B31	-
B12	-	B32	-
B13	-	B33	Anion Generator Diagnosis Signal
B14	-	B34	-
B15	-	B35	-
B16	-	B36	-
B17	-	B37	-
B18	-	B38	-
B19	-	B39	-
B20	Anion Generator Enable	B40	-

### Airbag Control Module Terminal Definition

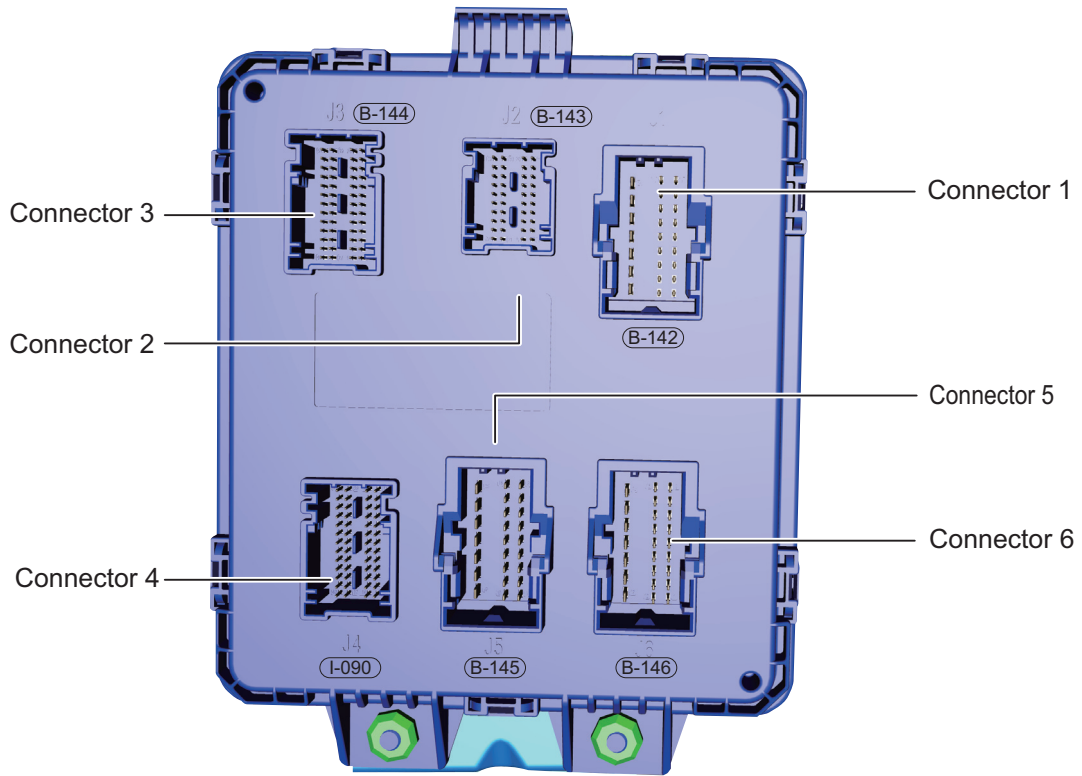


PIN	Definition	PIN	Definition
1	-	28	-
2	S-CAN H	29	-
3	S-CAN L	30	Right Side Collision Sensor (Retractor) +
4	Spiral Cable (+)	31	Right Side Collision Sensor (Retractor) -
5	Spiral Cable (-)	32	Left Side Collision Sensor (End Plate) -
6	Front Passenger Detection Signal	33	Left Side Collision Sensor (End Plate) +
7	-	34	Front Passenger Airbag (+)
8	-	35	-
9	-	36	Power Supply
10	Collision Output	37	-
11	Ground	38	-
12	-	39	-
13	-	40	-
14	-	41	-
15	-	42	-
16	Front Passenger Airbag (-)	43	-
17	-	44	-
18	Ground	45	-
19	-	46	-
20	Left Side Curtain Shield Airbag (Retractor) +	47	-
21	Left Side Curtain Shield Airbag (Retractor) -	48	-
22	Front Left Seat Side Airbag (-)	49	-
23	Front Left Seat Side Airbag (+)	50	-

09

PIN	Definition	PIN	Definition
24	Front Right Seat Belt Switch Signal	51	Front Right Seat Side Airbag (+)
25	-	52	Front Right Seat Side Airbag (-)
26	-	53	Right Side Curtain Shield Airbag (End Plate) -
27	-	54	Right Side Curtain Shield Airbag (End Plate) +

Body Control Module (BDM)

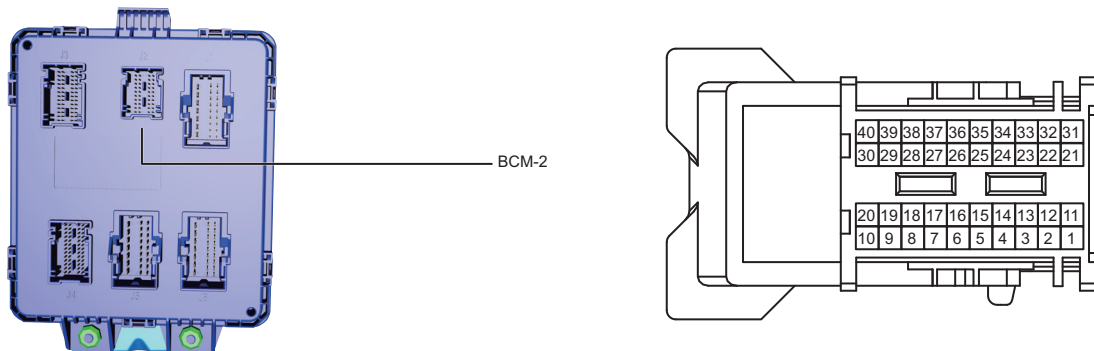


## Body Control Module (BDM) - 1 Terminal Definition



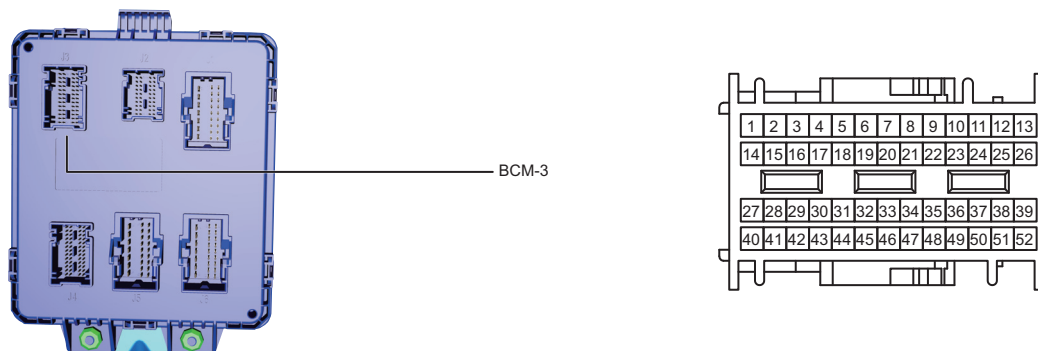
PIN	Definition	PIN	Definition
1-1	Left High Beam Light Output	1-14	Battery Save Output
1-2	Left Daytime Running Light Output	1-15	Brake Light 2
1-3	-	1-16	Door Lock (Front Left/Fuel Tank Cap) Unlock Output
1-4	Front Right Fog Light Output	1-17	Rear View Mirror Unfolding Output
1-5	Rear Fog Light Output	1-18	Child Lock Unlock Output
1-6	Foot Light	1-19	Power Supply_4
1-7	Relay Reserved	1-20	Ground 7
1-8	Trunk Unlock Output	1-21	Door Lock (Front Right/Rear Left/Rear Right) Unlock Output
1-9	Rear View Mirror Folding Output	1-22	Door Lock Output
1-10	Front Position Light	1-23	Power Supply_5
1-11	Left Low Beam Light Output	1-24	Power Supply_6
1-12	-	1-25	Power Supply_9
1-13	Front Left Fog Light Output		

Body Control Module (BDM) - 2 Terminal Definition



PIN	Definition	PIN	Definition
2-1	Clutch Switch Normally Closed Input	2-21	CANFD1_Low
2-2	Clutch Switch Normally Open Input	2-22	LIN7
2-3	LIN1	2-23	LIN4
2-4	Right Adjustment Common End	2-24	LIN3
2-5	Right Horizontal Adjustment	2-25	Rear View Mirror Right Indicator
2-6	Left Horizontal Adjustment	2-26	Rear View Mirror Left Indicator
2-7	Rear Right Door Open Signal Input	2-27	-
2-8	Rear Left Door Open Signal Input	2-28	-
2-9	Front Right Door Open Signal Input	2-29	-
2-10	Front Left Door Open Signal Input	2-30	-
2-11	Ground 4	2-31	CANFD1_High
2-12	Brake Pedal Switch Input	2-32	-
2-13	LIN2	2-33	Brake Pedal Sensor Input
2-14	Right Vertical Adjustment	2-34	-
2-15	Left Vertical Adjustment	2-35	Turn Light Flow Enable
2-16	Left Adjustment Common End	2-36	Position Light Flow Enable Output
2-17	Door Lock State Input	2-37	-
2-18	Trunk External Switch Input	2-38	-
2-19	Engine Compartment Cover Open Signal Input	2-39	-
2-20	Trunk Open Signal Input	2-40	-

## Body Control Module (BDM) - 3 Terminal Definition

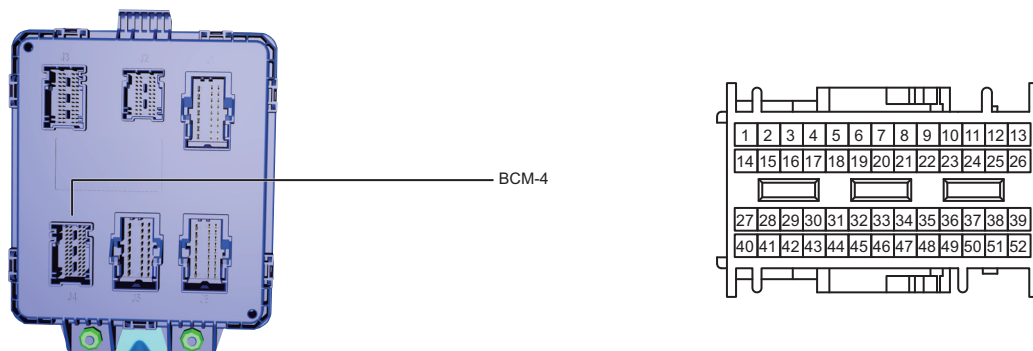


PIN	Definition	PIN	Definition
3-1	-	3-27	Antenna 1- (Front)
3-2	Rear Left Door Handle Signal Input +	3-28	Rear Right High Performance Antenna +
3-3	Front Right Door Handle Signal Input +	3-29	Rear Left High Performance Antenna +
3-4	Front Left Door Handle Signal Input +	3-30	Interior Front Antenna -
3-5	-	3-31	Interior Rear Bumper Antenna +
3-6	-	3-32	Front Wiper Stop Position Input
3-7	Door Lock State Indicator	3-33	Rear Turn Light Diagnostic Feedback Input (Movable Side)
3-8	Passenger Window Disabled (Electric Child Lock) Indicator	3-34	Rear Right Child Lock State Feedback
3-9	IGN Relay Drive	3-35	Rear Left Child Lock State Feedback
3-10	Rear Wiper Output	3-36	Rear Turn Light Diagnostic Feedback Input (Fixed Side)
3-11	Rear Washer Output	3-37	Front Turn Light Diagnostic Feedback Input
3-12	High/Low Pitched Horn Output	3-38	Reverse Switch Input
3-13	Front Washer Output	3-39	Rear Wiper Stop Position Input
3-14	-	3-40	Antenna 1+ (Front)
3-15	Front Windshield Heating Output 1	3-41	Rear Right High Performance Antenna -
3-16	Rear Right Door Handle Signal Input +	3-42	Rear Left High Performance Antenna -
3-17	Light Sensor Hard Wire Input	3-43	Interior Front Antenna +
3-18	Rear View Mirror Folding Switch Input	3-44	Interior Rear Bumper Antenna -
3-19	-	3-45	Window Disabled Switch Input
3-20	Rear View Mirror Adjustment Input	3-46	Passenger Side Switch - Controlling Rear Right Window Input

PIN	Definition	PIN	Definition
3-21	START Relay Drive	3-47	Passenger Side Switch - Controlling Rear Left Window Input
3-22	ACC Relay Drive	3-48	Passenger Side Switch - Controlling Front Passenger Window Input
3-23	Front Windshield Heating Output 2	3-49	Driver Side Switch - Controlling Front Passenger Window Input
3-24	Front Wiper Low Speed Output	3-50	Driver Side Switch - Controlling Driver Window Input
3-25	Rear Windshield Rear View Mirror Heating Output	3-51	Driver Side Switch - Controlling Rear Right Window Switch
3-26	Front Wiper High Speed Output	3-52	Driver Side Switch - Controlling Rear Left Window Input



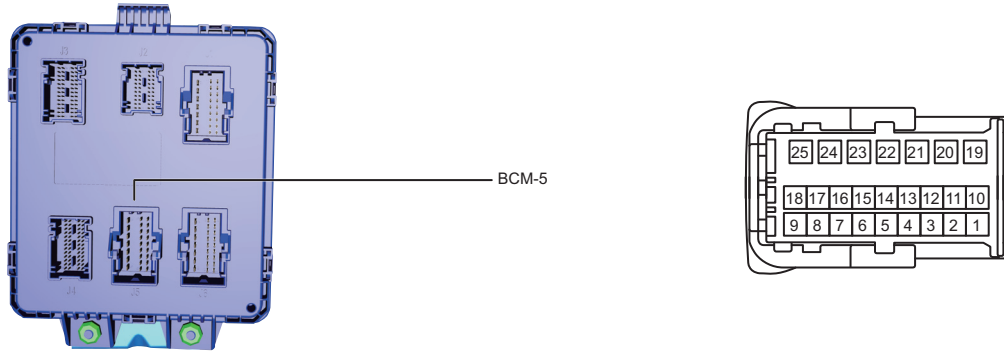
## Body Control Module (BDM) - 4 Terminal Definition



PIN	Definition	PIN	Definition
4-1	Ground 3	4-27	-
4-2	Start Stop Switch Input	4-28	-
4-3	Rear Fog Light Switch Input	4-29	-
4-4	Front Fog Light Switch Input	4-30	-
4-5	Rear Washer Switch Input	4-31	-
4-6	-	4-32	ENGINE START STOP Switch Input 2
4-7	ENGINE START STOP Switch Indicator (Backlight)	4-33	ENGINE START STOP Switch Input 1
4-8	Start Stop Switch Indicator	4-34	IGN Power Supply Feedback
4-9	Hazard Light Switch Indicator	4-35	ACC Power Supply Feedback
4-10	-	4-36	Key Insert Signal Input
4-11	DA-CAN H	4-37	High/Low Pitched Horn Switch Input
4-12	LIN9	4-38	Hazard Light Switch Input
4-13	LIN8	4-39	Driver Side Power Back Door Switch Input
4-14	Collision Hard Wire Input	4-40	-
4-15	Rear Wiper Switch Input	4-41	Steering Wheel Heating Switch Input
4-16	Front Washer Switch Input	4-42	ST Power Supply Feedback
4-17	Front Wiper Switch Input 2	4-43	Steering Wheel Heating Temperature Feedback Input
4-18	Front Wiper Switch Input 1	4-44	Turn Light Switch Input
4-19	-	4-45	Wiper Sensitivity Switch Input
4-20	ENGINE START STOP Switch Indicator (Green)	4-46	Drive Mode Switch Input
4-21	ENGINE START STOP Switch Indicator (Orange)	4-47	-
4-22	Steering Wheel Heating Output	4-48	-
4-23	Steering Wheel Heating Switch Indicator	4-49	High Beam Light Switch Input

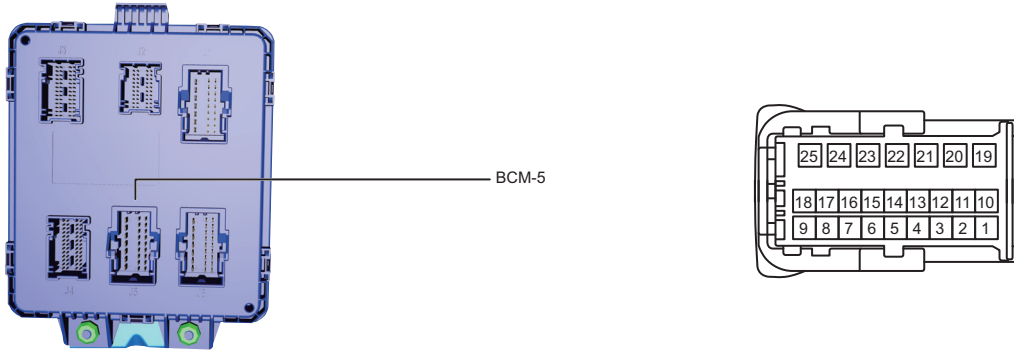
PIN	Definition	PIN	Definition
4-24	DA-CAN L	4-50	Light Combination Switch Input
4-25	-	4-51	-
4-26	-	4-52	-

## Body Control Module (BDM) - 5 Terminal Definition



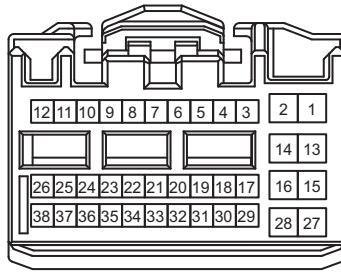
PIN	Definition	PIN	Definition
5-1	Washer Nozzle Heating Output	5-14	Turn Light 2 Output
5-2	Right Turn Light Output	5-15	Ambient Light Output - G
5-3	Ornament Light	5-16	Ambient Light Output - B
5-4	-	5-17	-
5-5	Turn Light 1 Output	5-18	Power Supply_1
5-6	Ambient Light Output - R	5-19	Front Left Window Up Output
5-7	Side Marker Light	5-20	Power Supply_3
5-8	LOGO Light	5-21	Rear Right Window Up Output
5-9	Ground 1	5-22	Power Supply_8
5-10	Left Turn Light Output	5-23	Rear Right Window Down Output
5-11	Anti-theft Horn Output	5-24	Front Left Window Down Output
5-12	Left Corner Light Output	5-25	Ground 5
5-13	Right Corner Light Output		

Body Control Module (BDM) - 6 Terminal Definition



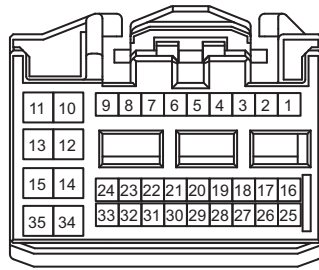
PIN	Definition	PIN	Definition
6-1	Rear Position Light and License Plate Light	6-14	Front Right Welcome Scuff Plate Light
6-2	Right High Beam Light Output	6-15	Interior Light Output
6-3	Brake Light	6-16	Rear View Mirror Ground Light Output
6-4	Back-up Light Output	6-17	High Mounted Stop Light
6-5	Rear Left Welcome Scuff Plate Light	6-18	Brake Pedal Sensor Power Supply Output
6-6	Ground 2	6-19	Front Right Window Up Output
6-7	Backlight Adjustment Output	6-20	Power Supply_2
6-8	Trunk Light Output	6-21	Rear Left Window Up Output
6-9	Headlight Leveling Output	6-22	Power Supply_7
6-10	Right Low Beam Light Output	6-23	Rear Left Window Down Output
6-11	Right Daytime Running Light Output	6-24	Front Right Window Down Output
6-12	Front Left Welcome Scuff Plate Light	6-25	Ground 6
6-13	Rear Right Welcome Scuff Plate Light		

## Audio Unit A Terminal Definition



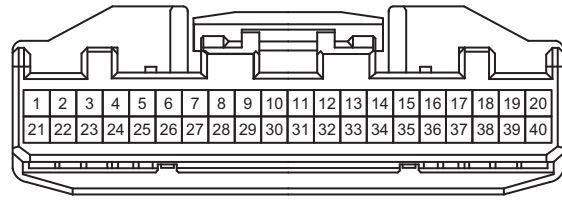
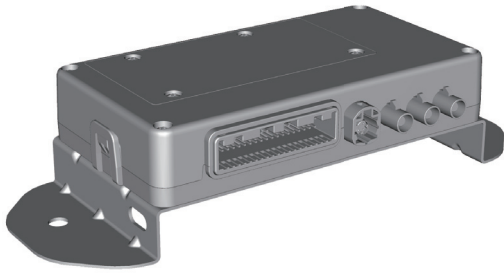
PIN	Definition	PIN	Definition
A1	Rear Left Woofer Signal +	A20	T-BOX Module Mute
A2	Rear Left Tweeter Signal -	A21	-
A3	I-CAN L	A22	Instrument Panel Display
A4	I-CAN H	A23	Audio Display
A5	Common End Ground	A24	-
A6	Mute Input	A25	-
A7	Microphone 2 Signal -	A26	-
A8	Microphone 2 Signal +	A27	Rear Right Woofer Signal
A9	MIC3 -	A28	Rear Right Woofer Signal
A10	MIC3 +	A29	-
A11	MIC4 -	A30	-
A12	MIC4 +	A31	-
A13	FL+	A32	Signal
A14	FL-	A33	-
A15	FR+	A34	-
A16	FR-	A35	-
A17	T-BOX Module Signal -	A36	-
A18	T-BOX Module Signal +	A37	-
A19	-	A38	-

## Audio Unit B Terminal Definition



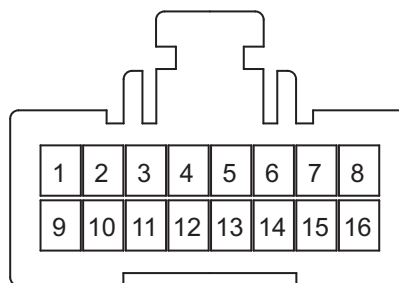
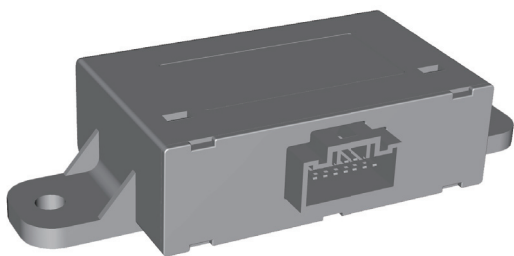
PIN	Definition	PIN	Definition
B1	-	B19	Oil Pump Controller Auxiliary Signal
B2	-	B20	Brake Fluid Level Sensor Signal
B3	-	B21	-
B4	-	B22	-
B5	-	B23	Middle Speaker Signal +
B6	-	B24	Middle Speaker Signal -
B7	-	B25	Oil Pump Controller Ground
B8	-	B26	-
B9	-	B27	Oil Pressure Switch Signal
B10	Power Supply	B28	-
B11	Power Supply	B29	Generator Adjustment Signal
B12	Ground	B30	-
B13	Ground	B31	-
B14	B-CAN L	B32	Driver Seat Belt Switch Signal
B15	B-CAN H	B33	-
B16	-	B34	Power Supply
B17	-	B35	Power Supply
B18	Oil Pump Controller Signal		

## Information Communication Module Terminal Definition



PIN	Definition	PIN	Definition
1	Ignition Signal Input	21	-
2	VLED	22	-
3	Ground	23	-
4	ECALL BTN BL	24	-
5	Mic Signal Ground Output	25	Mic Signal Output
6	Mic Signal Input	26	Mic Signal Input Ground
7	-	27	-
8	Audio Signal Output	28	Audio Signal Output
9	-	29	-
10	-	30	ECALL BTN
11	SRS	31	-
12	-	32	Mute Signal Output
13	-	33	LED RED
14	-	34	LED GREEN
15	-	35	-
16	LIN Signal (with Bluetooth Key)	36	-
17	-	37	-
18	-	38	-
19	I-CAN H	39	I-CAN L
20	KL30 Power Supply Input	40	Battery Negative

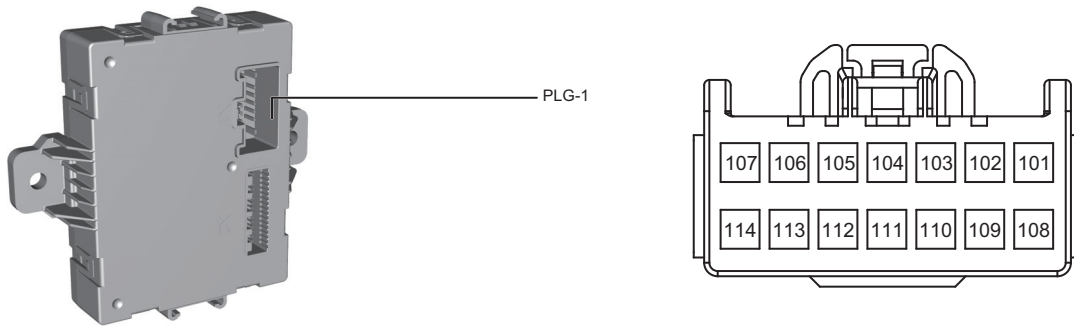
Reversing Radar Controller Terminal Definition



PIN	Definition	PIN	Definition
1	-	9	-
2	-	10	-
3	Power Supply	11	Sensor Power Supply
4	Rear Right Center Radar Sensor Signal	12	Sensor Ground
5	Body CAN_H	13	Body CAN_L
6	-	14	-
7	Rear Left Radar Sensor Signal	15	Rear Right Radar Sensor Signal
8	Rear Left Center Radar Sensor Signal	16	Power Supply Ground

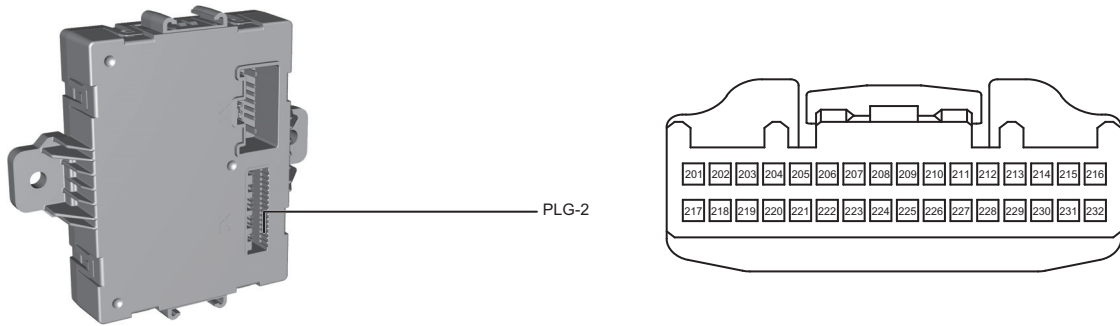


## Power Back Door Module - 1 Terminal Definition



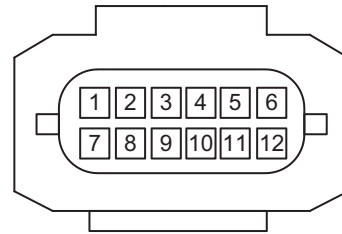
PIN	Definition	PIN	Definition
1-1	Drive Power	1-8	-
1-2	Luggage Compartment Unlock Motor	1-9	Control Power Supply
1-3	-	1-10	-
1-4	Left Support Motor On	1-11	Left Support Motor Off
1-5	Self-engage Motor On	1-12	Self-engage Lock Off
1-6	-	1-13	-
1-7	Ground	1-14	-

## Power Back Door Control Module - 2 Terminal Definition



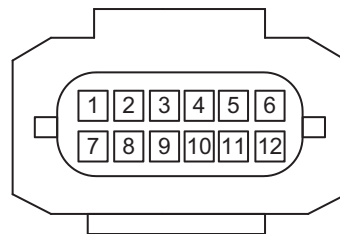
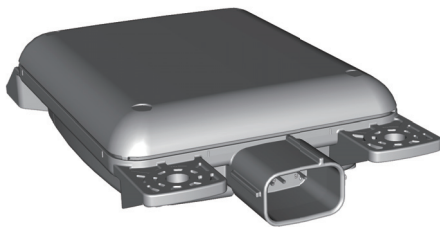
PIN	Definition	PIN	Definition
2-1	-	2-17	LIN Bus (Kick)
2-2	Trunk Opening Switch	2-18	Global Switch (Reserved)
2-3	Power Back Door Inside Switch	2-19	-
2-4	Power Back Door Driver Switch	2-20	-
2-5	-	2-21	-
2-6	-	2-22	-
2-7	Full Lock Switch	2-23	Key Request
2-8	-	2-24	-
2-9	Self-engage Lock Return Signal	2-25	Left Support Hall Sensor B
2-10	Half Lock Switch	2-26	Left Support Hall Sensor A
2-11	-	2-27	Left Support Hall Sensor Power
2-12	Left Anti-pinch Strip	2-28	Hall Sensor Ground
2-13	Right Anti-pinch Strip	2-29	-
2-14	Anti-pinch Strip Ground	2-30	-
2-15	-	2-31	-
2-16	CAN Bus High	2-32	CAN Bus Low

## Main Blind Spot Detection Module Terminal Definition



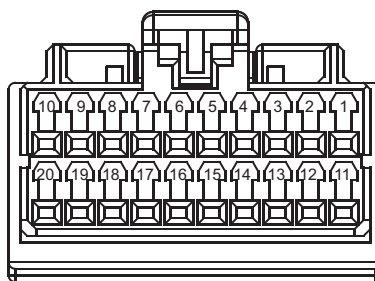
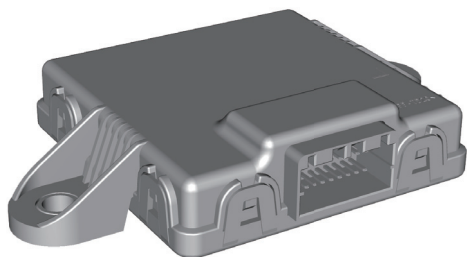
PIN	Definition	PIN	Definition
1	C-CAN H	7	Ground
2	C-CAN L	8	Ground
3	Internal PCAN-H	9	Left Rear View Mirror Signal
4	Internal PCAN-L	10	Rear Left Door DOW Warning Light Signal
5	-	11	Ground
6	-	12	-

## Sub Blind Spot Detection Module Terminal Definition



PIN	Definition	PIN	Definition
1	DA CAN H	7	Ground
2	DA CAN L	8	-
3	Internal PCAN-H	9	Right Rear View Mirror Signal
4	Internal PCAN-L	10	Rear Right Door DOW Warning Light Signal
5	-	11	Ground
6	-	12	Ground

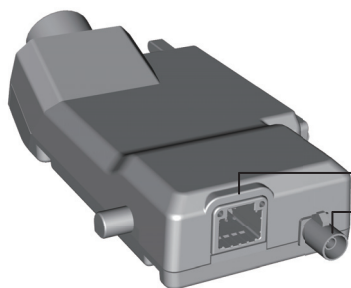
### Gateway Terminal Definition



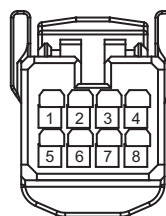
PIN	Definition	PIN	Definition
1	Body CAN-H	11	Body CAN-L
2	Power CAN-H	12	Power CAN-L
3	Chassis CAN-H	13	Chassis CAN-L
4	48 V CAN-H (Reserved)	14	-
5	Information Entertainment CAN-H	15	Information Entertainment CAN-L
6	Diagnosis CAN-H	16	-
7	S-CAN L	17	LIN Communication
8	S-CAN H	18	Power Supply
9	DA-CAN L	19	Power Supply
10	DA-CAN H	20	Ground

### Drive Recorder Terminal Definition

09

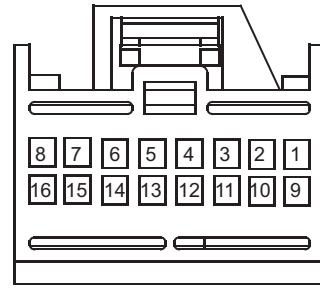
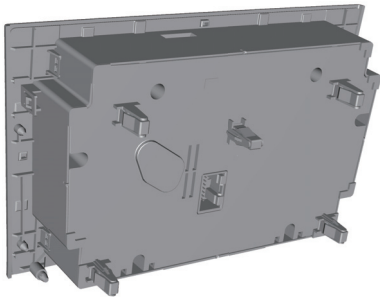


Driving Recorder  
AR Navigation Connector



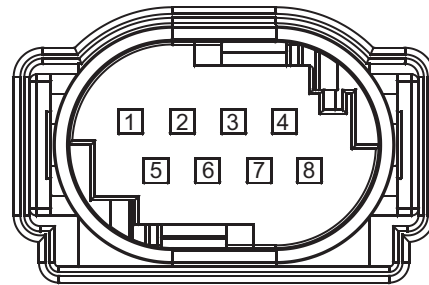
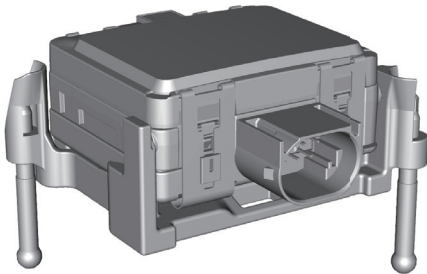
PIN	Definition	PIN	Definition
1	Power Supply	5	Ground
2	Ignition Signal	6	-
3	I-CAN H	7	I-CAN L
4	-	8	-

## A/C Control Panel Terminal Definition



PIN	Definition	PIN	Definition
1	-	9	-
2	-	10	-
3	Rear Defroster Feedback Signal	11	-
4	Body CAN-H	12	-
5	Body CAN-L	13	-
6	Rear Defroster Request Signal	14	-
7	Ground	15	-
8	KL15	16	KL30

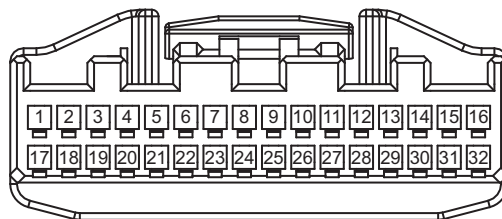
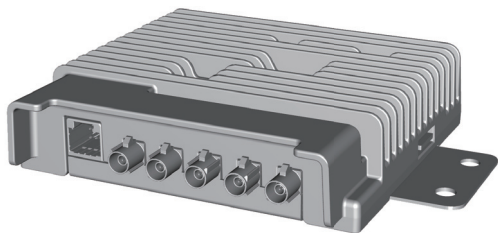
## Front Microwave Radar Module Terminal Definition



09

PIN	Definition	PIN	Definition
1	Ground	5	Internal CAN-H
2	CAN1-H	6	Internal CAN-L
3	CAN1-L	7	-
4	-	8	KL15

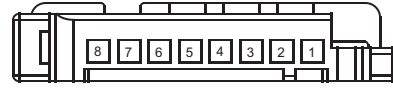
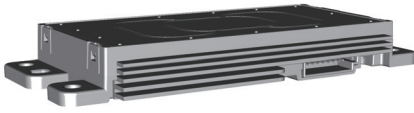
Panoramic View Controller (with APA) Terminal Definition



PIN	Definition	PIN	Definition
1	-	17	-
2	-	18	-
3	Rear Right Long Distance Ultrasonic Sensor Ground	19	Rear Left Long Distance Ultrasonic Sensor Power Supply
4	Rear Right Long Distance Ultrasonic Sensor Signal	20	Rear Left Long Distance Ultrasonic Sensor Signal
5	Rear Left Radar Sensor Signal	21	Rear Left Center Radar Sensor Signal
6	Rear Right Center Radar Sensor Signal	22	Rear Right Radar Sensor Signal
7	Front Right Long Distance Ultrasonic Sensor Ground	23	Front Left Long Distance Ultrasonic Sensor Power Supply
8	Front Right Long Distance Ultrasonic Sensor Signal	24	Front Left Long Distance Ultrasonic Sensor Signal
9	Front Left Sensor Signal	25	Front Left Center Radar Sensor Signal
10	Front Right Center Radar Sensor Signal	26	Front Right Radar Sensor Signal
11	-	27	-
12	-	28	-
13	-	29	-
14	Chassis CAN_L	30	Chassis CAN_H
15	-	31	IGN (KL15)
16	Ground	32	Power Supply

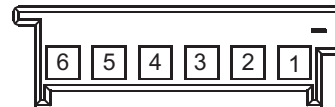
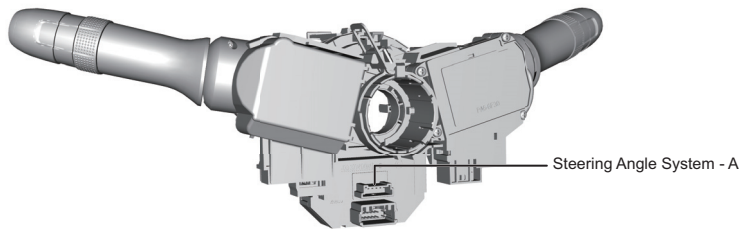
09

## Wireless Charging Module Terminal Definition



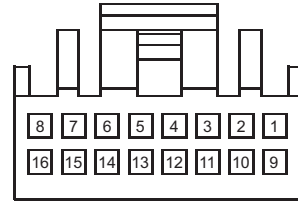
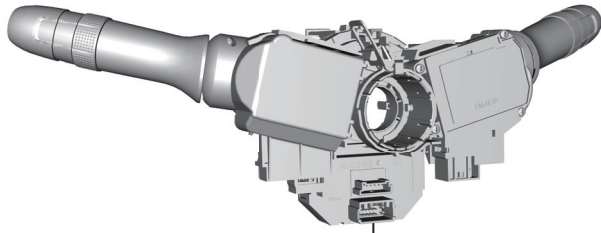
PIN	Definition	PIN	Definition
1	Power Supply	5	I-CAN H
2	ACC Signal	6	I-CAN L
3	-	7	Reserved
4	Ground	8	Reserved

## Steering Angle System - A Terminal Definition



PIN	Definition	PIN	Definition
1	S-CAN L	4	Ground
2	S-CAN H	5	-
3	Power Supply	6	-

Steering Angle System - B Terminal Definition

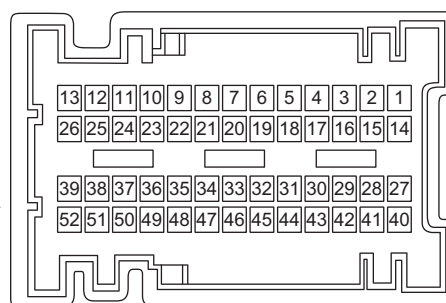
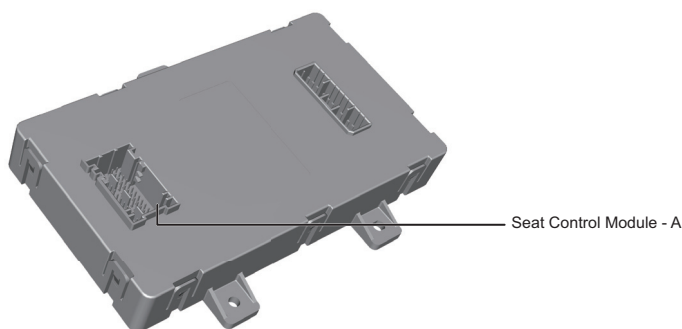


Steering Angle System - B

PIN	Definition	PIN	Definition
1	Airbag to Igniter (B1)	9	Airbag to Igniter (BM1)
2	-	10	Power Supply
3	-	11	LIN
4	-	12	Ground
5	-	13	-
6	-	14	Horn Switch Signal Output
7	-	15	-
8	-	16	-



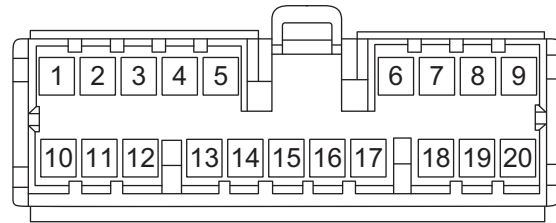
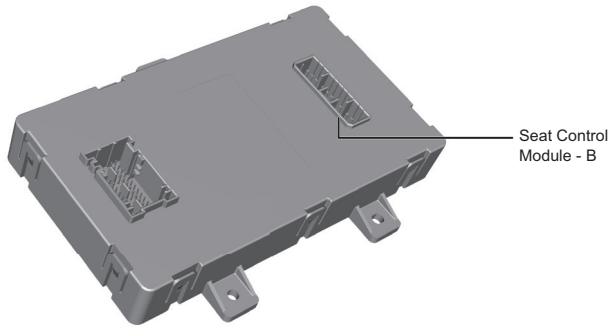
## Seat Control Module -A Terminal Definition



PIN	Definition	PIN	Definition
1	IGN-IN	27	Rear View Mirror Position Sensor Ground
2	Height Adjustment Input	28	Reserved Low Drive
3	-	29	Reserved Low Drive
4	Seatback Adjustment Input	30	Reserved Input
5	Cushion Adjustment Input (Reserved)	31	Reserved Lumbar Support Adjustment HALL Input
6	Lumbar Support Up-down Adjustment Input (Reserved)	32	Reserved Lumbar Support Adjustment HALL Input
7	Lumbar Support Front-back Adjustment Input (Reserved)	33	Height Adjustment HALL Input
8	Memory Switch (Reserved)	34	Horizontal Adjustment HALL Input
9	-	35	Seatback Adjustment HALL Input
10	Right Rear View Mirror Position Sensor Horizontal Input	36	Reserved Cushion Adjustment HALL Input
11	Left Rear View Mirror Position Sensor Horizontal Input	37	Right Rear View Mirror Vertical Adjustment Output
12	Right Rear View Mirror Position Sensor Vertical Input	38	Right Rear View Mirror Horizontal Adjustment Output
13	Left Rear View Mirror Position Sensor Vertical Input	39	Right Rear View Mirror Adjustment Common End
14	Rear View Mirror Adjustment Sensor Power Supply	40	Reserved Ventilation PWM Output
15	Reserved	41	Reserved Ventilation PW Output
16	Front Right NTC Power Supply	42	Reserved Ventilation PW Output
17	Front Left NTC Power Supply	43	Reserved Ventilation PW Output
18	Reserved	44	HALL Signal Ground
19	Analog Ground	45	Front Left NTC Ground
20	Rear View Mirror Adjustment Switch (Up/Right)	46	Front Right NTC Ground
21	Rear View Mirror Adjustment L/R Selection Switch	47	CAN H

PIN	Definition	PIN	Definition
22	Rear View Mirror Adjustment Switch (Down/Left)	48	CAN L
23	Reserved	49	Reserved
24	Reserved	50	Left Rear View Mirror Horizontal Output
25	Reserved Input	51	Left Rear View Mirror Adjustment Common End
26	Reserved Input	52	Left Rear View Mirror Vertical Output

## Seat Control Module -B Terminal Definition



PIN	Definition	PIN	Definition
1	Front Right Seat Cushion Heating -	11	Seatback/Cushion Adjustment Common Terminal
2	Reserved Lumbar Support Adjustment	12	Seatback Adjustment Output
3	Reserved Lumbar Support Adjustment	13	Reserved Cushion Adjustment Output
4	Reserved HSD	14	Power Supply 2
5	Reserved HSD	15	Ground
6	Reserved Lumbar Support Adjustment	16	Ground
7	Reserved Lumbar Support Adjustment	17	Power Supply 1
8	Front Left Seat Cushion Heating	18	Height Adjustment Output
9	Front Left Seat Heating-	19	Horizontal Adjustment Output
10	Front Right Seat Heating +	20	Height/Horizontal Adjustment Common Terminal

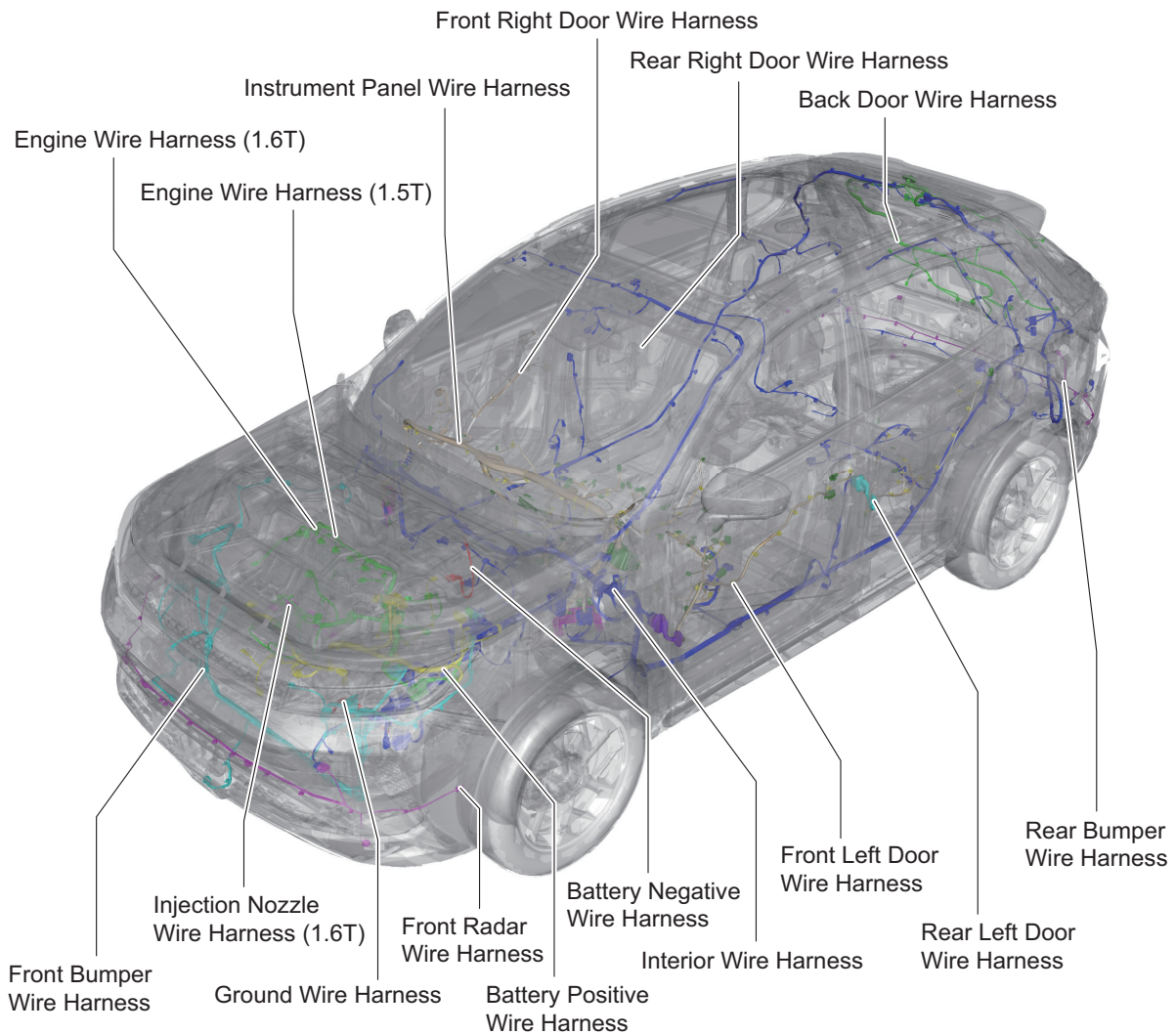
# Wire Harness Location Diagram

## General Description

This section introduces the position information of vehicle wire harness and electrical components in form of graphics. Each part of vehicle wire harness has a specific color to distinguish different wire harnesses. However, the color does not represent the true color of wire harness.

## Wire Harness Position Diagram Distribution

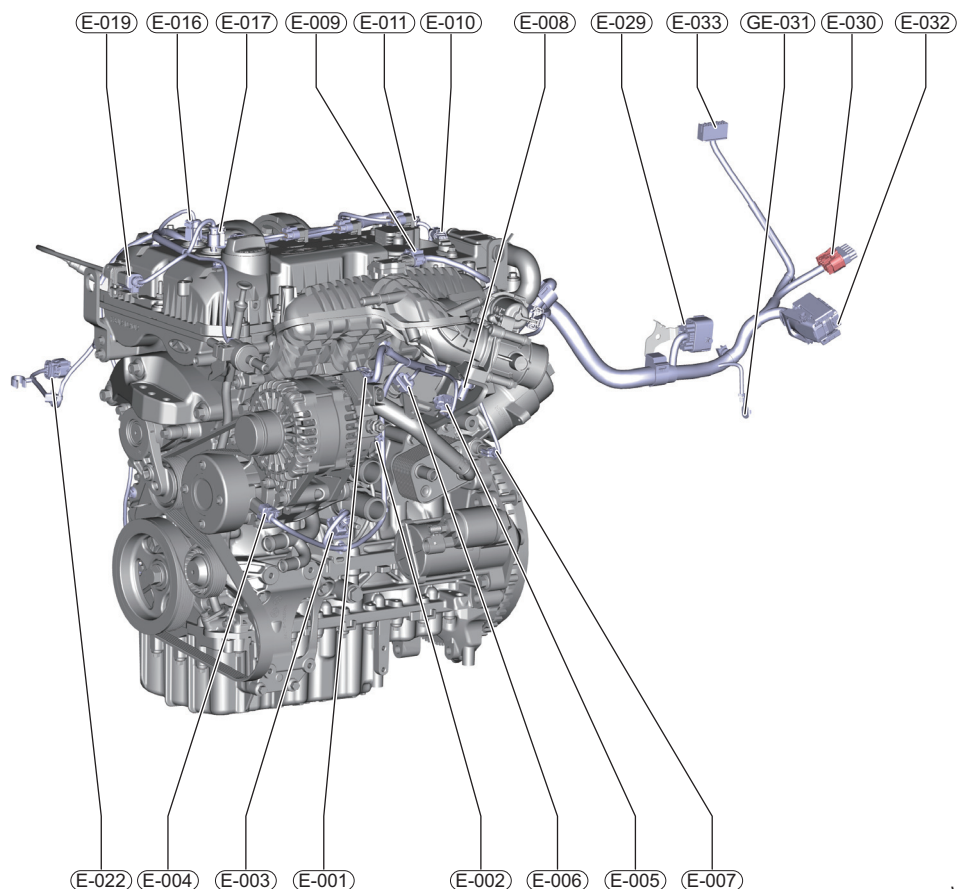
### Vehicle Wire Harness Layout



10

WHE000001

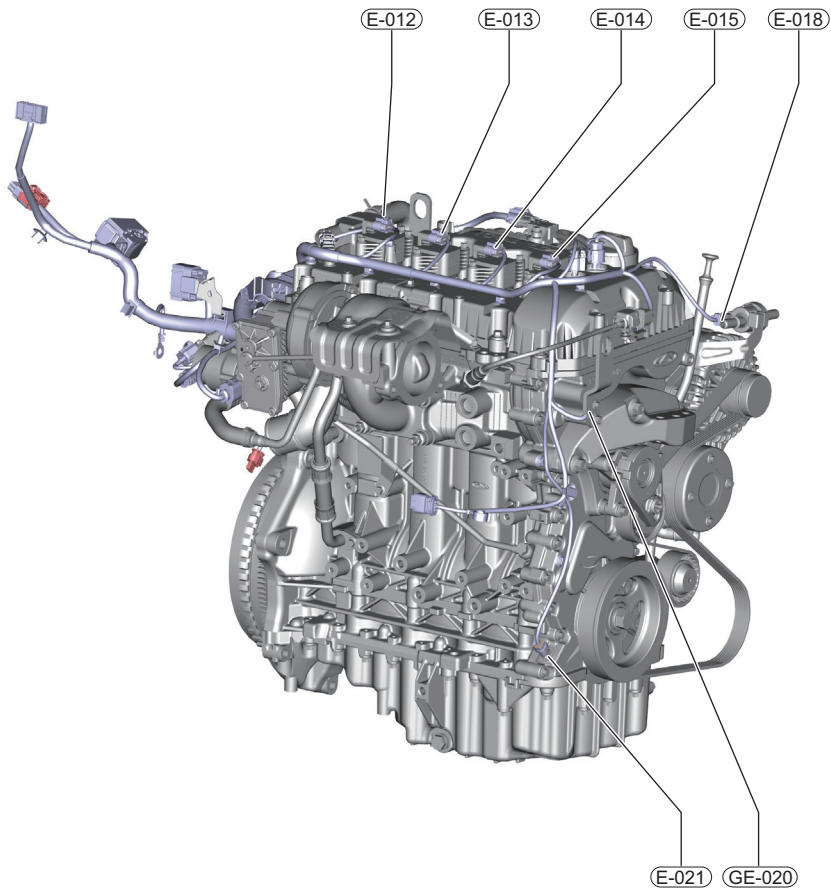
## Engine Wire Harness (1.6T)



WHE001001

Connector Number	Connector Color/Pin	Connector Name
E-001	B/10	Injection Nozzle Wire Harness Interface
E-002	Gr/2	Electronic Thermostat
E-003	B/3	Knock Sensor
E-004	B/2	Switch Type Water Pump
E-005	B/3	Canister Desorption Pressure Sensor
E-006	B/3	Fuel Rail Pressure Sensor
E-007	B/1	Oil Pressure Sensor
E-008	B/6	Electronic Throttle
E-009	B/4	Intake Pressure/Temperature Sensor
E-010	B/3	Intake Phase Sensor
E-011	B/3	Exhaust Phase Sensor
E-016	B/2	Variable Camshaft Timing - Exhaust
E-017	B/2	Variable Camshaft Timing - Intake
E-019	B/6	Upstream Oxygen Sensor
E-022	B/4	Downstream Oxygen Sensor
E-029	B/30	Interior Wire Harness Interface 4

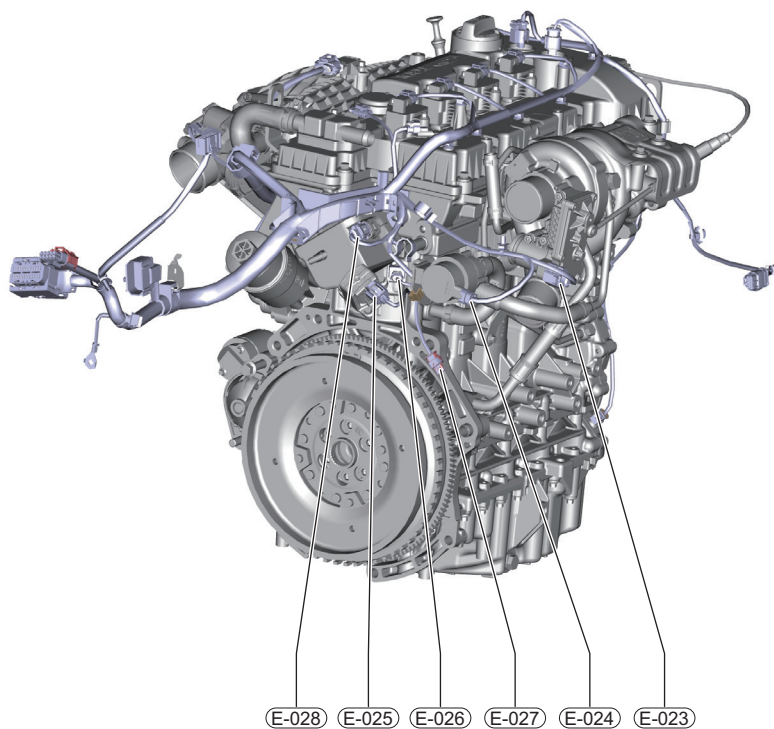
Connector Number	Connector Color/Pin	Connector Name
E-030	B/10	Battery Positive Wire Harness Interface
GE-031	/	Ground G402
E-032	B/60	ECU (A) 1.6T
E-033	W/18	Engine Compartment Fuse Box A



WHE002001

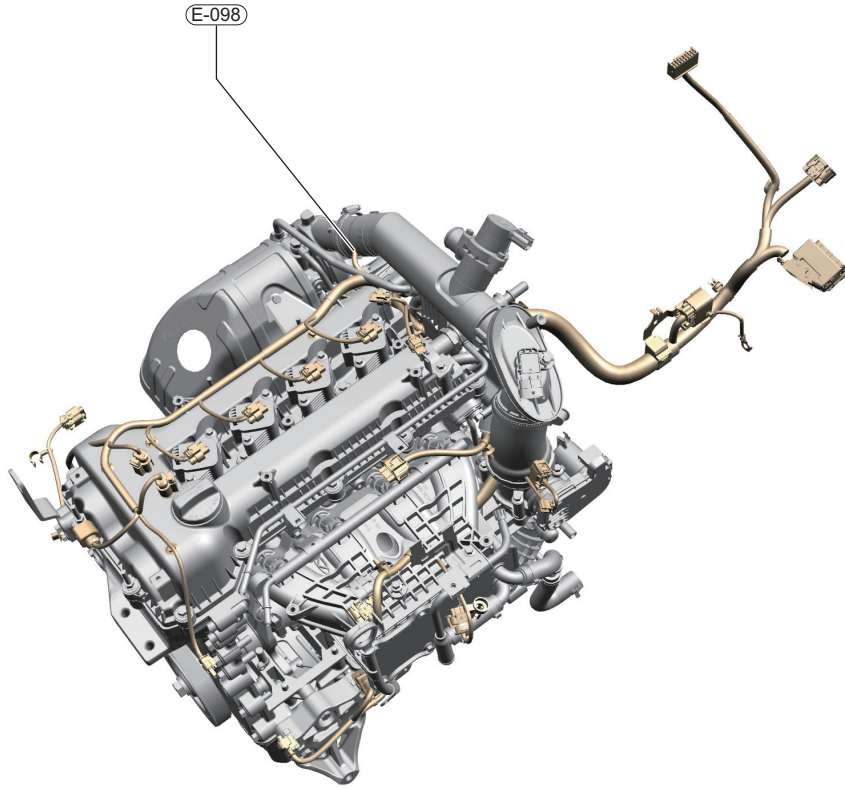
10

Connector Number	Connector Color/Pin	Connector Name
E-012	B/4	Ignition Coil - 4
E-013	B/4	Ignition Coil - 3
E-014	B/4	Ignition Coil - 2
E-015	B/4	Ignition Coil - 1
E-018	B/2	Canister Control Valve
GE-020	/	Ground G401
E-021	B/2	Variable Oil Pump



WHE003001

Connector Number	Connector Color/Pin	Connector Name
E-023	Br/6	Electronic Waste Gate
E-024	B/3	Electric Water Pump
E-025	B/2	ERCV Valve
E-026	B/2	Water Temperature Sensor
E-027	B/3	Speed Sensor
E-028	B/2	High Pressure Fuel Pump (Fuel Control Valve)

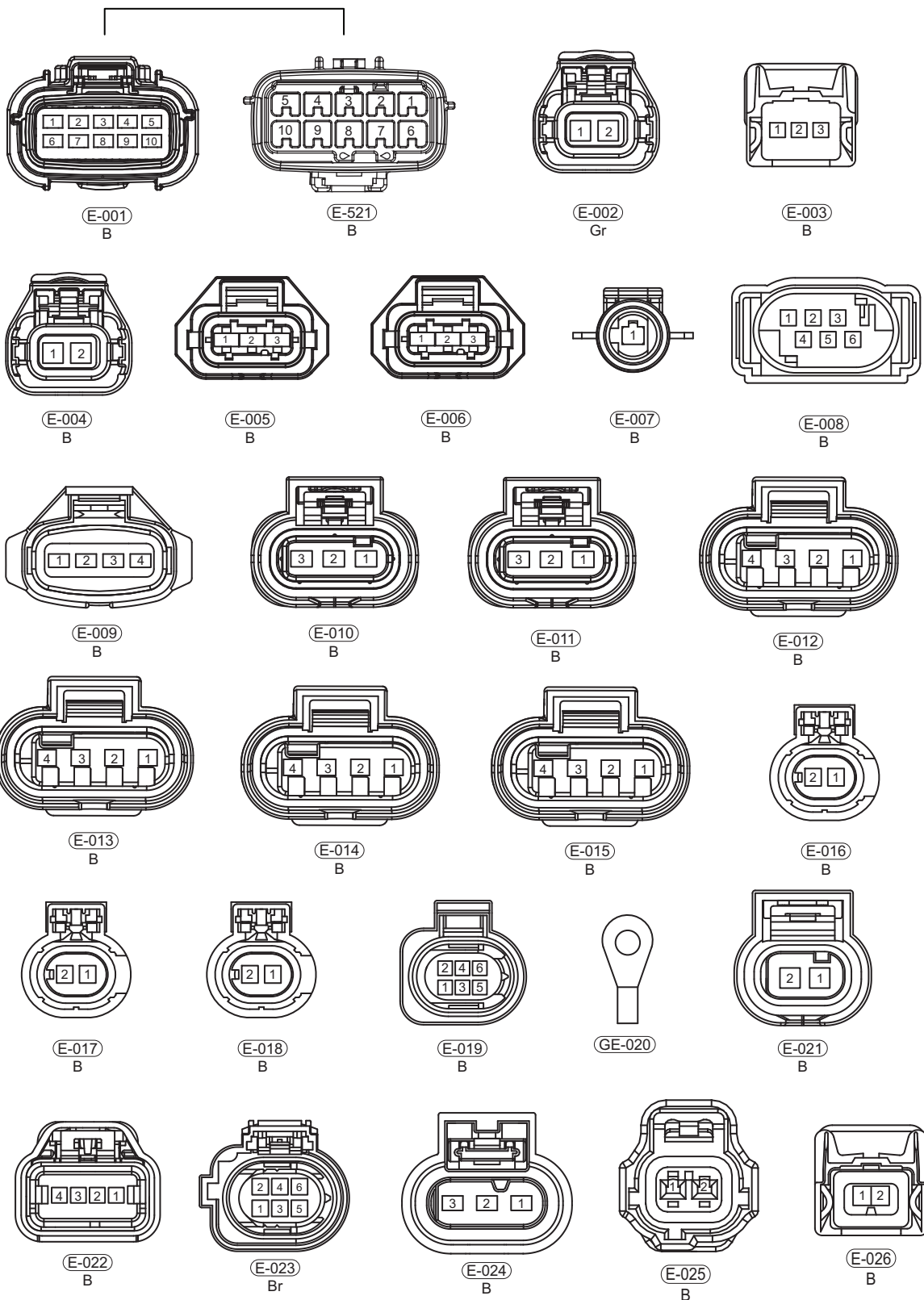


WHE003002

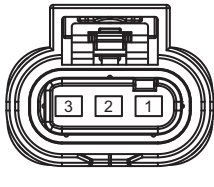
Connector Number	Connector Color/Pin	Connector Name
E-098	B/2	Engine Crankcase Ventilation Heater



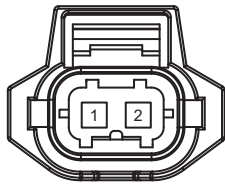
# Engine Wire Harness Connector List (1.6T)



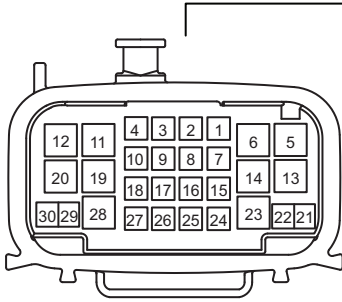
EPU013001



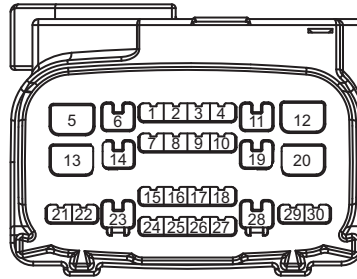
E-027  
B



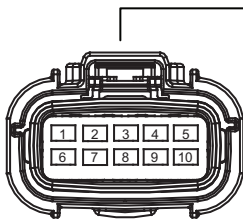
E-028  
B



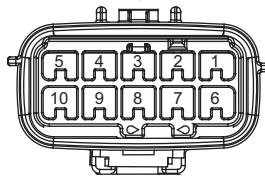
E-029  
B



B-009  
B



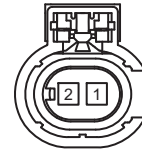
E-030  
B



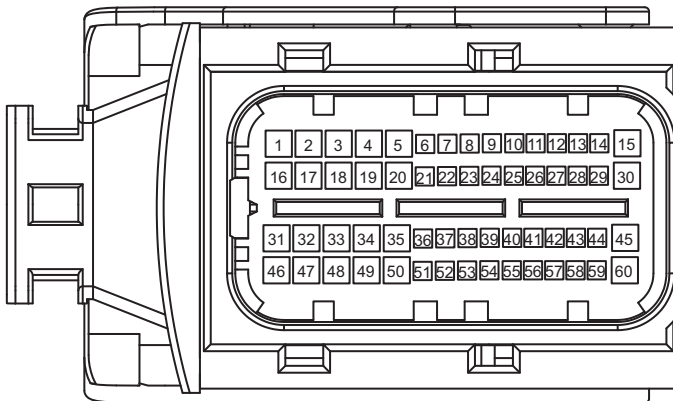
E-051  
B



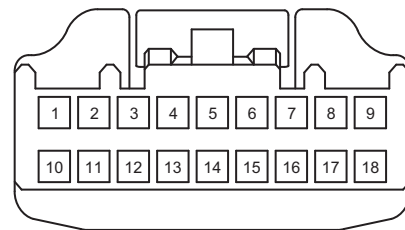
GE-031



E-098  
B



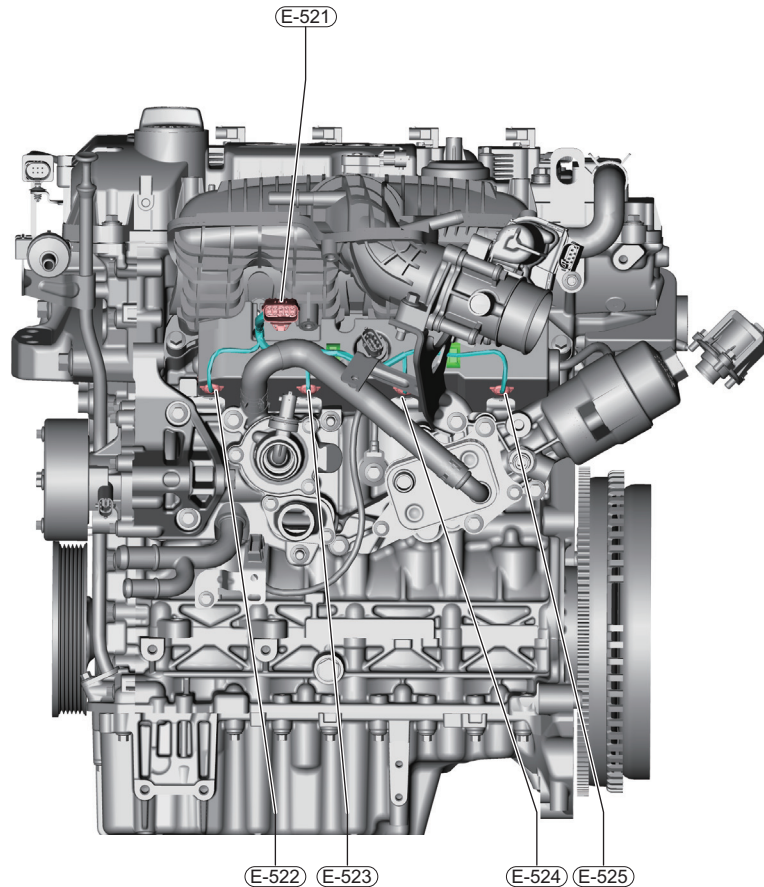
E-032  
B



E-033  
W

10

## Injection Nozzle Wire Harness (1.6T)

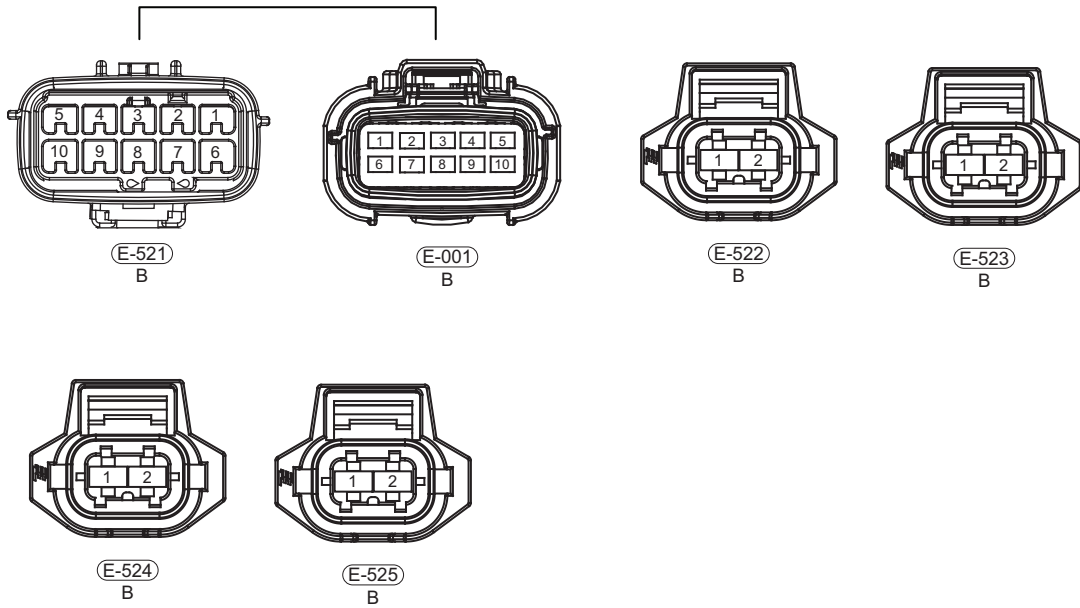


WHE004001

Connector Number	Connector Color/Pin	Connector Name
E-521	B/10	Engine Wire Harness Interface
E-522	B/2	Injection Nozzle - 1
E-523	B/2	Injection Nozzle - 2
E-524	B/2	Injection Nozzle - 3
E-525	B/2	Injection Nozzle - 4

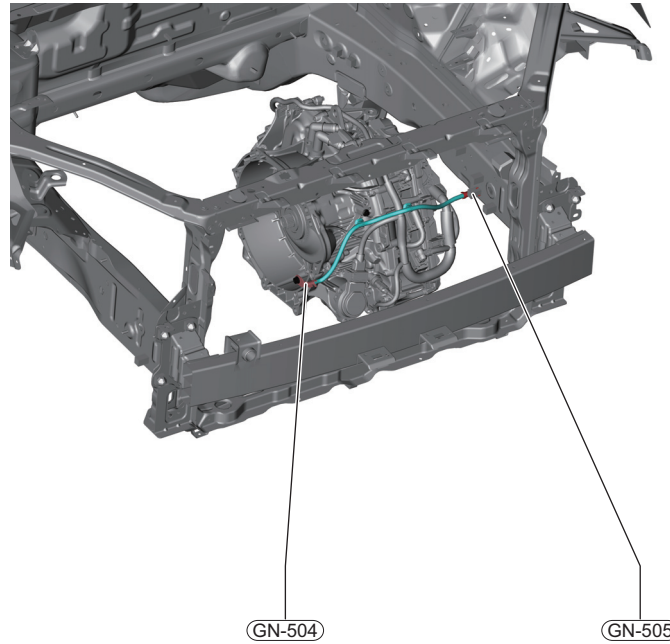
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### Injection Nozzle Wire Harness Connector List (1.6T)



EPU015001

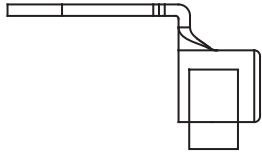
## Ground Wire Harness



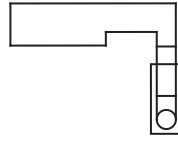
WHE005001

Connector Number	Connector Color/Pin	Connector Name
GN-504	-	Transmission Ground G301
GN-505	-	Body Ground G302

### Ground Wire Harness Connector List



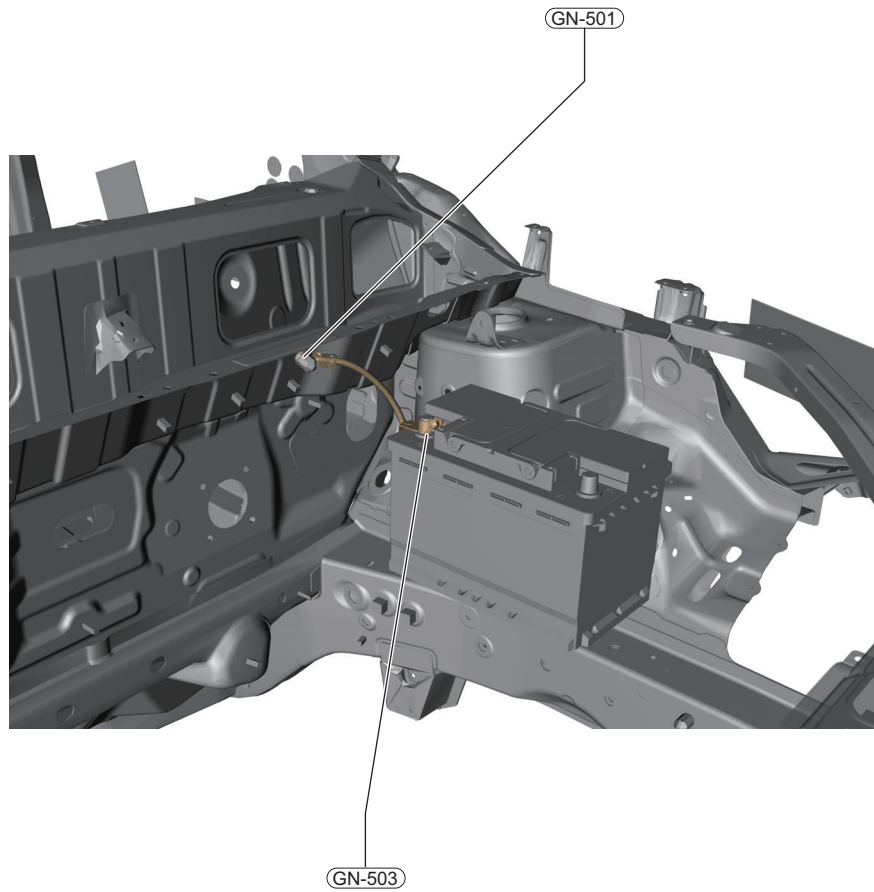
GN-504



GN-505

EPU026001

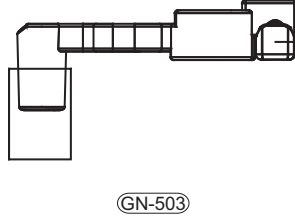
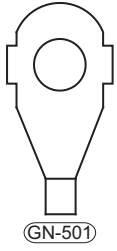
## Battery Negative Wire Harness



WHE006001

Connector Number	Connector Color/Pin	Connector Name
GN-501	-	Battery Negative Ground G201
GN-503	-	Battery Negative

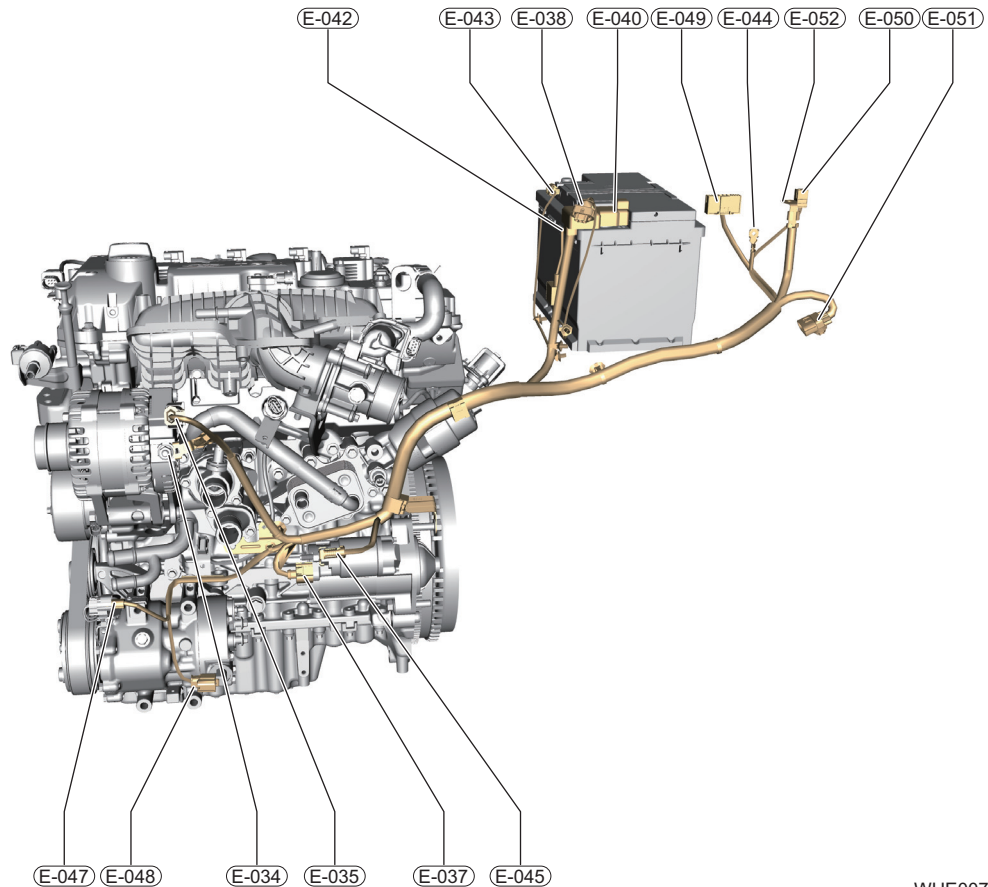
### Battery Negative Wire Harness Connector List



EPU011001



## Battery Positive Wire Harness (1.6T)



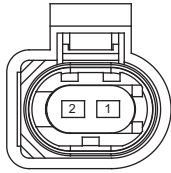
WHE007001

Connector Number	Connector Color/Pin	Connector Name
E-034	/	Generator
E-035	B/2	Intelligent Generator
E-037	/	Start Motor
E-038	Gr/4	Air Flow Meter
E-040	/	Battery Positive
E-042	/	Positive Battery Terminal Post
E-043	B/2	Battery Sensor
E-044	/	Engine Compartment Fuse and Relay Box Interface R4
E-045	/	Starter
E-047	B/2	A/C Compressor Clutch Switch
E-048	B/2	Compressor External Control Valve
E-049	W/16	Engine Compartment Fuse Box B
E-050	W/2	Engine Compartment Fuse Box F
E-051	B/10	Engine Wire Harness Interface
E-052	/	Engine Compartment Fuse and Relay Box Terminal

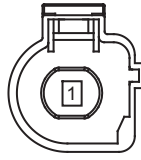
Battery Positive Wire Harness Connector List (1.6T)



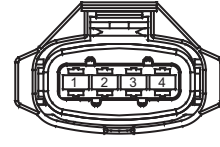
E-034



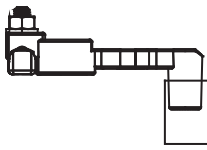
E-035  
B



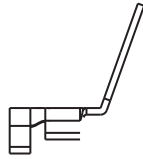
E-037



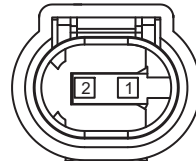
E-038  
Gr



E-040



E-042



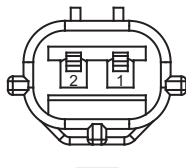
E-043  
B



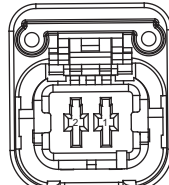
E-044



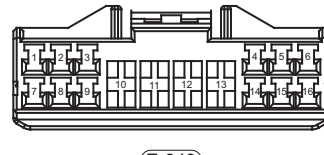
E-045



E-047  
B



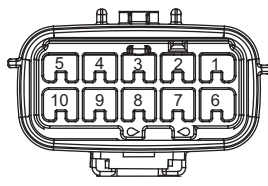
E-048  
B



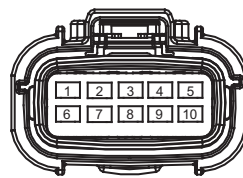
E-049  
W



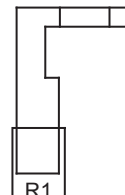
E-050  
W



E-051  
B

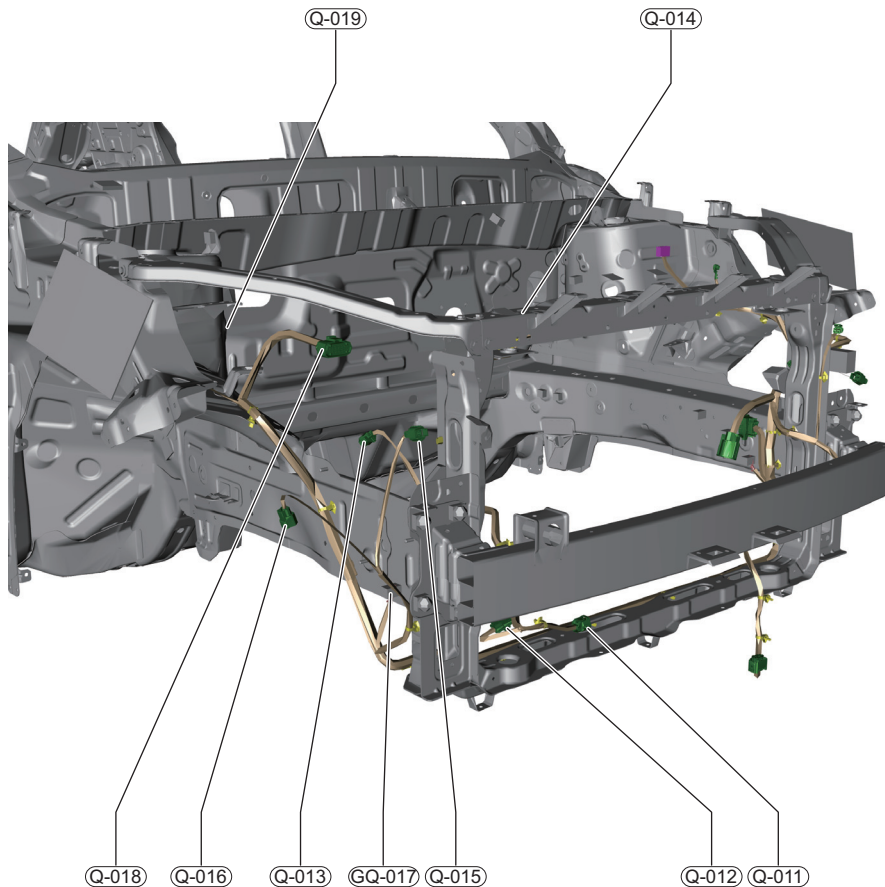


E-030  
B



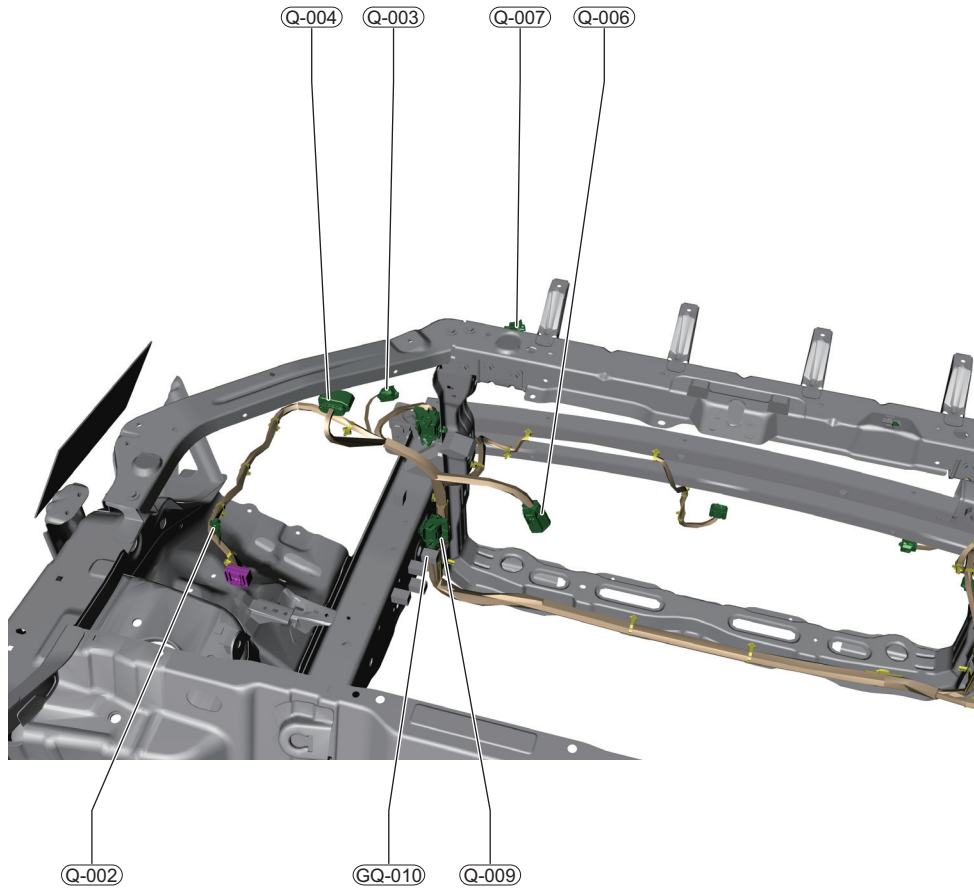
E-052

## Front Bumper Wire Harness



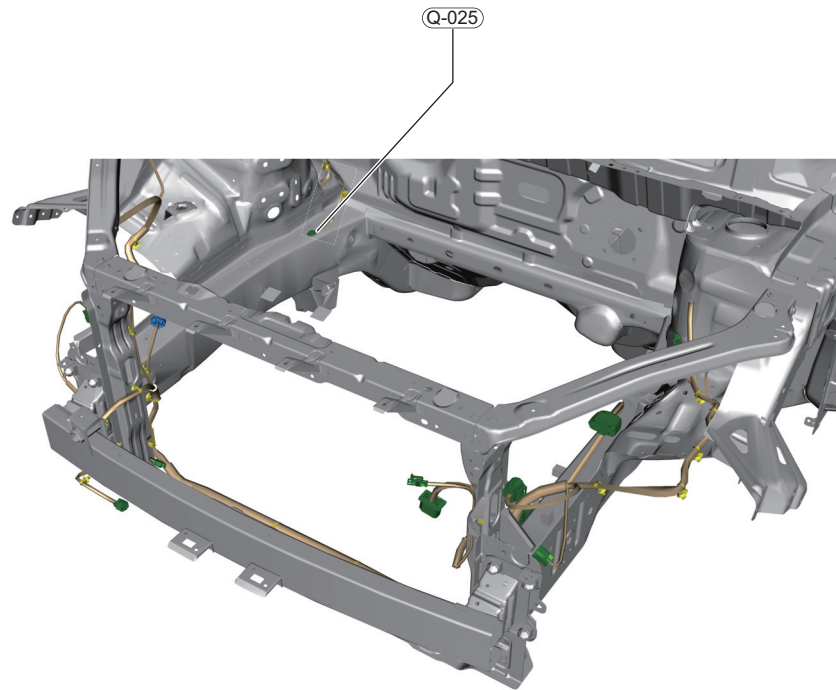
WHE008001

Connector Number	Connector Color/Pin	Connector Name
Q-011	Gr/2	Outside Temperature Sensor
Q-012	B/4	Boost Pressure Sensor (1.6T)
Q-013	B/3	A/C Pressure Sensor (1.6T)
Q-014	W/3	Engine Compartment Contact Switch
Q-015	Gr/2	Low Pitched Horn
Q-016	Gr/2	Front Washer Motor
GQ-017	/	Ground G101
Q-018	B/14	Right Headlight Assembly
Q-019	B/2	Front Right Wheel Speed Sensor



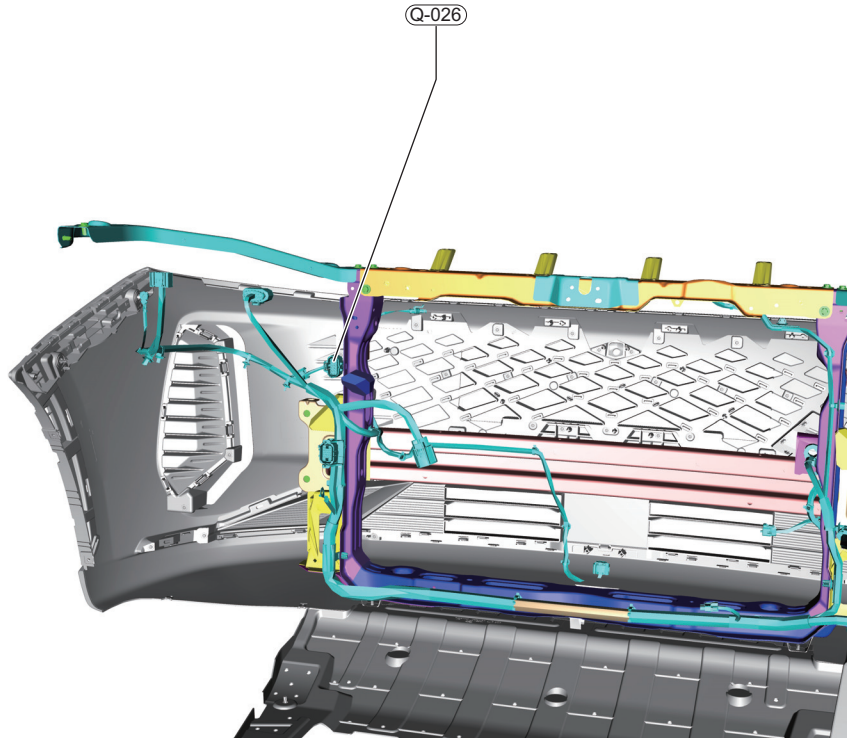
WHE009001

Connector Number	Connector Color/Pin	Connector Name
Q-002	/	Engine Compartment Fuse Box R7 (1.6T)
Q-003	Gr/2	High Pitched Horn
Q-004	B/14	Left Headlight Assembly
Q-006	L/4	Cooling Fan Controller (1.6T)
Q-007	B/2	Front Position Light
Q-009	B/26	Interior Wire Harness Interface 1
GQ-010	/	Ground G102



WHE051001

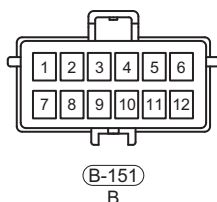
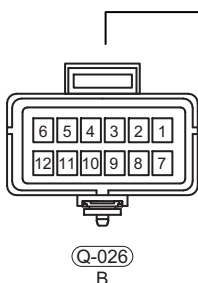
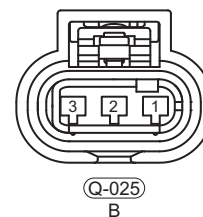
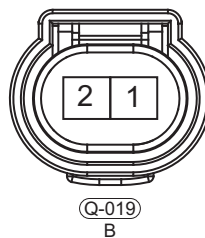
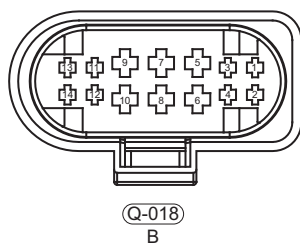
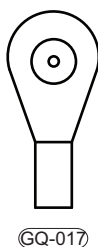
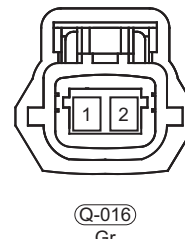
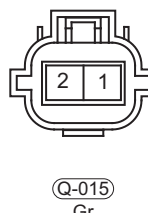
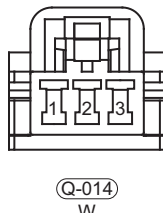
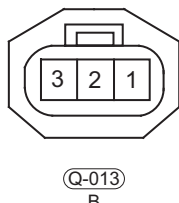
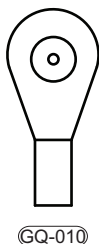
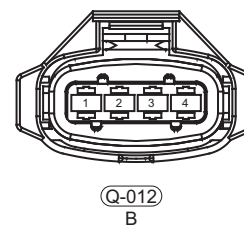
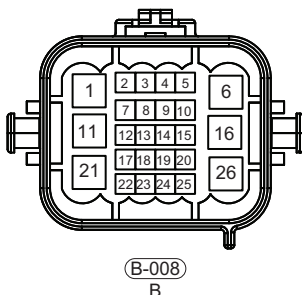
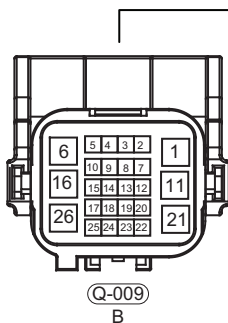
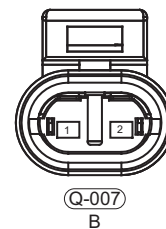
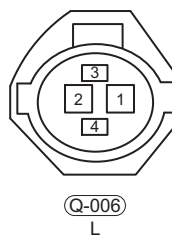
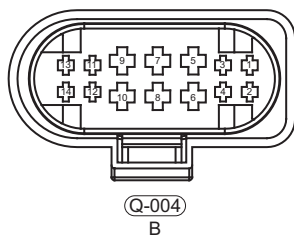
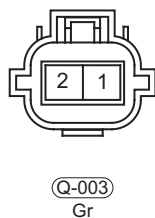
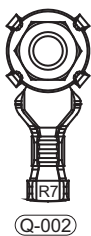
Connector Number	Connector Color/Pin	Connector Name
Q-025	/3	Low Pressure Oil Line Pressure Sensor (1.6T)



WHE051002

Connector Number	Connector Color/Pin	Connector Name
Q-026	/12	Front Bumper Wire Harness to Interior Wire Harness 3

### Front Bumper Wire Harness Connector List



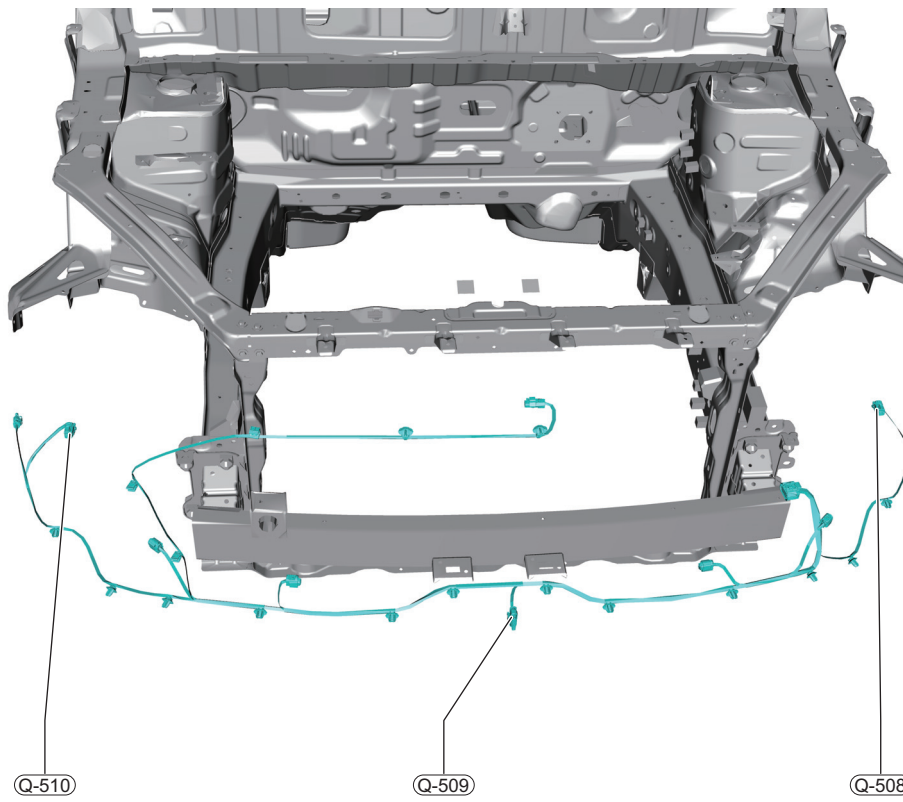
Front Radar Wire Harness



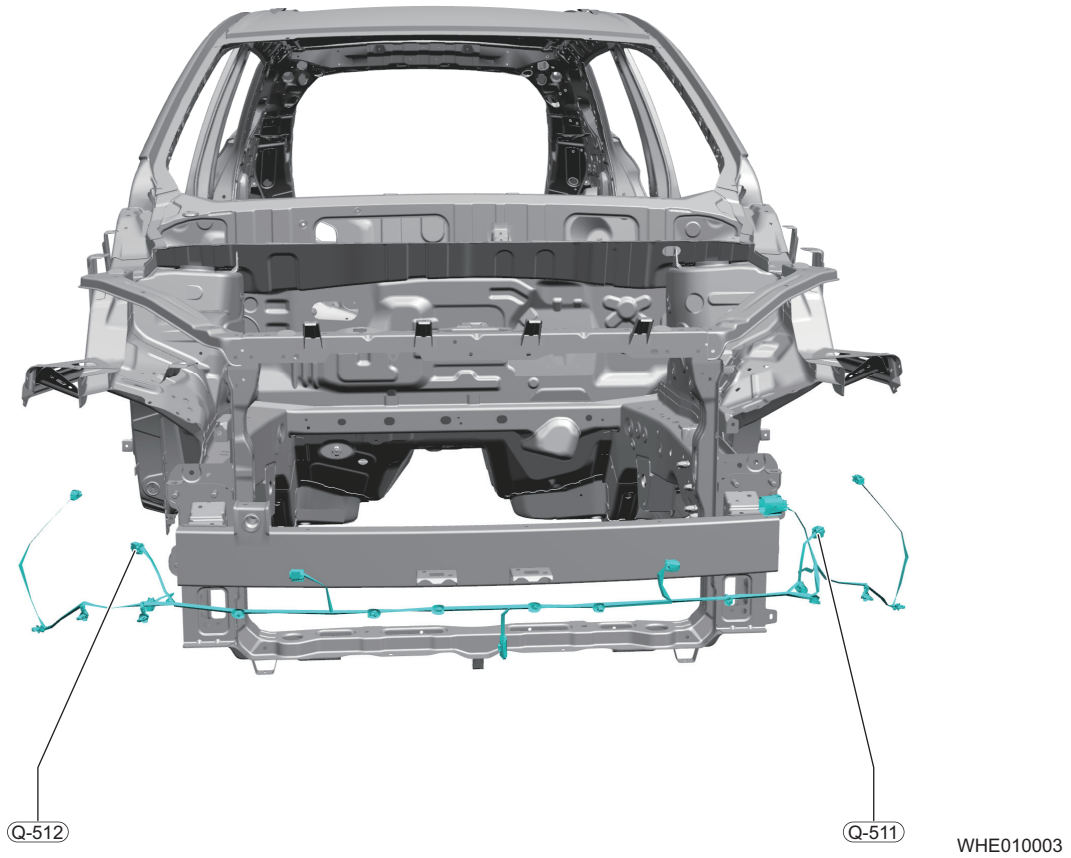
WHE010001

Connector Number	Connector Color/Pin	Connector Name
Q-501	B/3	Front Left Long Distance Ultrasonic Sensor
Q-502	B/3	Front Left Radar Sensor APA
Q-503	B/10	Interior Wire Harness Interface
Q-504	B/3	Front Left Center Radar Sensor APA
Q-505	B/3	Front Right Center Radar Sensor APA
Q-506	B/3	Front Right Radar Sensor APA
Q-507	B/3	Front Right Long Distance Ultrasonic Sensor



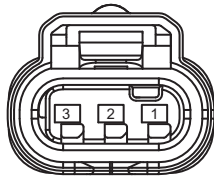


Connector Number	Connector Color/Pin	Connector Name
Q-508	/4	Front Left Ornament Light
Q-509	/8	Front Microwave Radar Module - Adaptive Cruise
Q-510	/4	Front Right Ornament Light

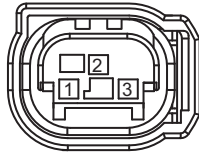


Connector Number	Connector Color/Pin	Connector Name
Q-511	/4	Left Fog Light
Q-512	/4	Right Fog Light

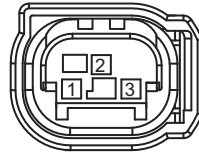
### Front Radar Wire Harness Connector List



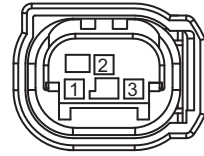
Q-501  
B



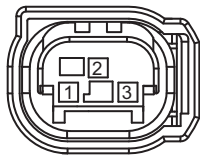
Q-502  
B



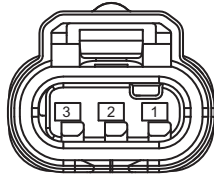
Q-504  
B



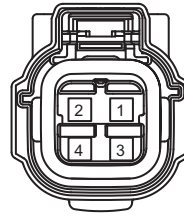
Q-505  
B



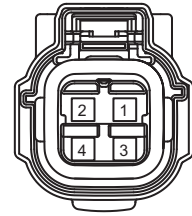
Q-506  
B



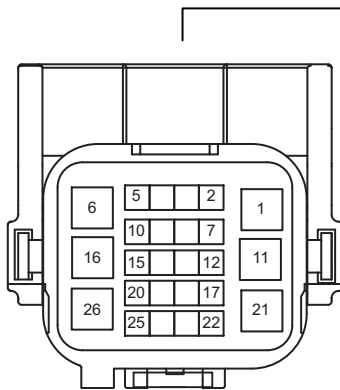
Q-507  
B



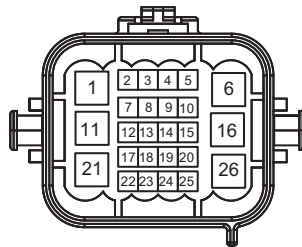
Q-508  
B



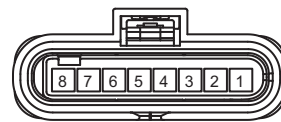
Q-510  
B



Q-503  
B



B-003



Q-509  
B

### Front Radar to Interior Wire Harness

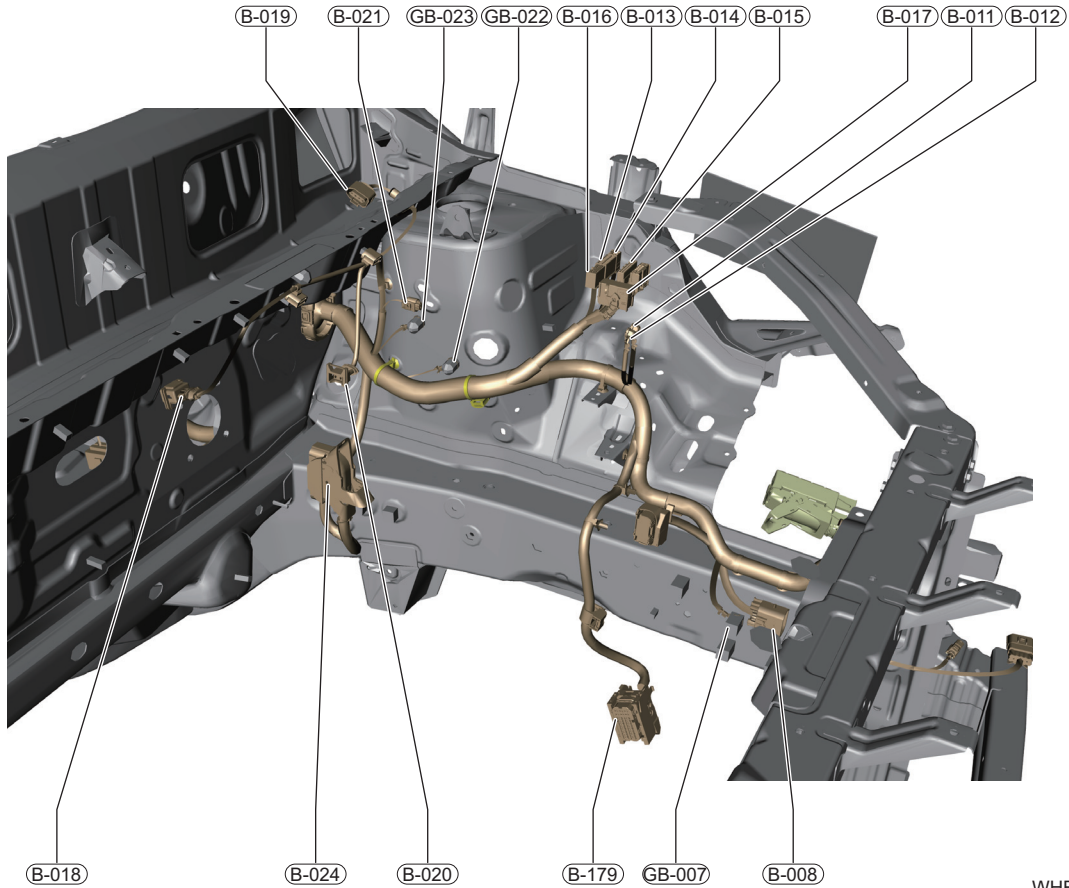


Q-511  
B



Q-512  
B

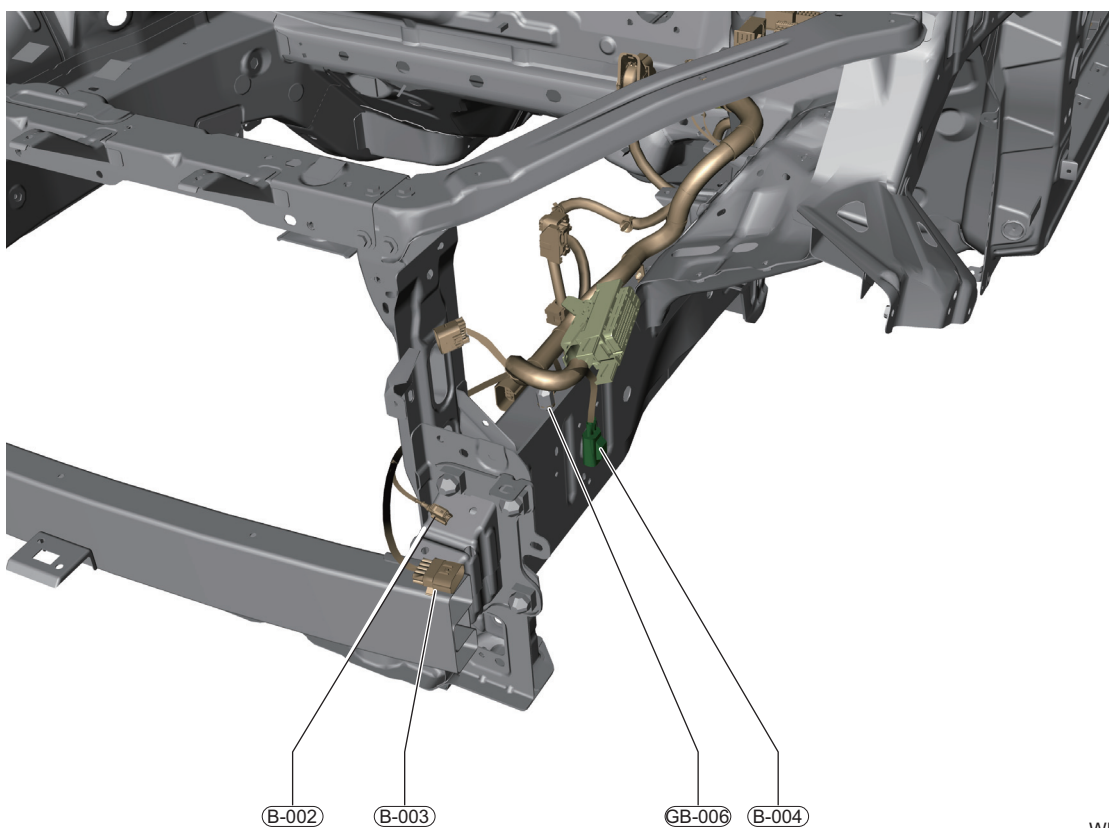
Interior Wire Harness



WHE011001

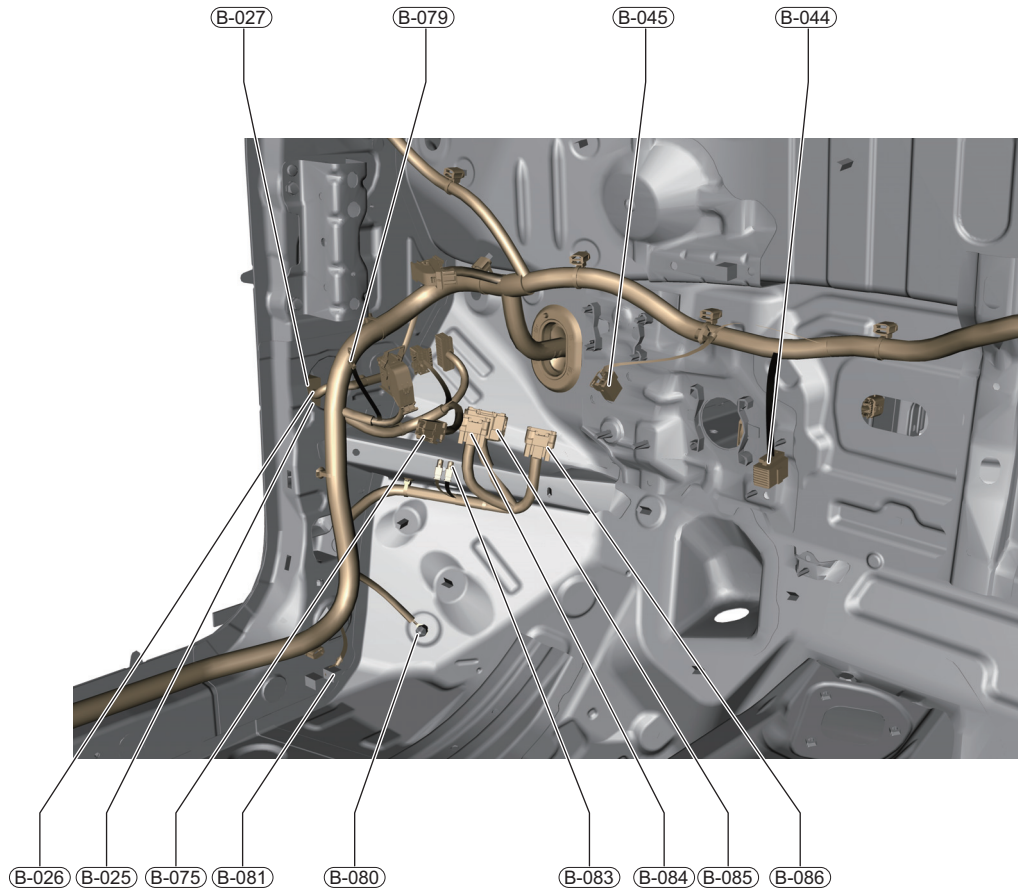
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Connector Number	Connector Color/Pin	Connector Name
GB-007	/	Ground G604
B-008	B/26	Front Bumper Wire Harness Interface 1
B-011	/	Engine Compartment Fuse Box R3
B-012	/	Engine Compartment Fuse Box R2
B-013	W/12	Engine Compartment Fuse Box J
B-014	W/40	Engine Compartment Fuse Box H
B-015	W/16	Engine Compartment Fuse Box E
B-016	W/12	Engine Compartment Fuse Box D
B-017	B/14	Engine Compartment Fuse Box G
B-018	Gr/3	Absolute Brake Vacuum Sensor
B-019	B/4	Front Wiper
B-020	B/2	Brake Fluid Sensor
B-021	B/2	Front Left Wheel Speed Sensor
GB-022	/	Ground G603
GB-023	/	Ground G601
B-179	B/58	Transmission TCU-A RDE (1.6T)
B-024	B/46	ESP+EPB Module



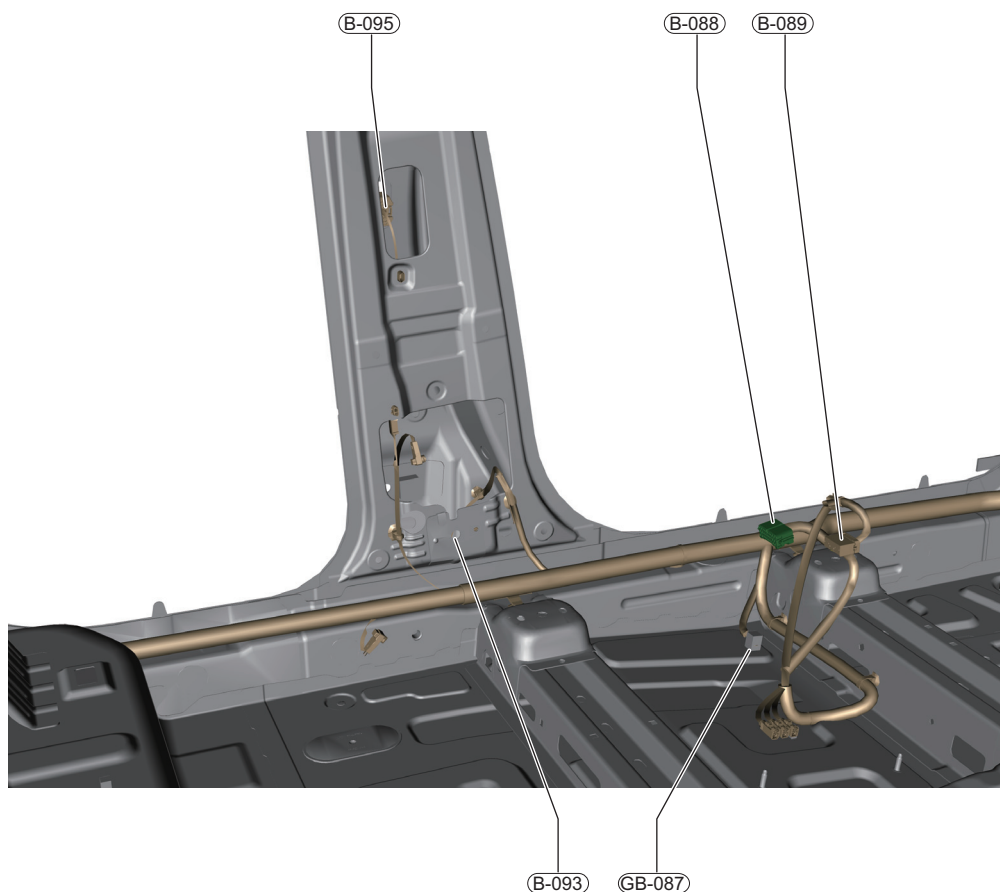
WHE012001

Connector Number	Connector Color/Pin	Connector Name
B-002	/	Front Camera Connector
B-003	B/10	Front Radar Wire Harness Interface
B-004	B/2	Electronic Vacuum Pump
GB-006	/	Ground G602



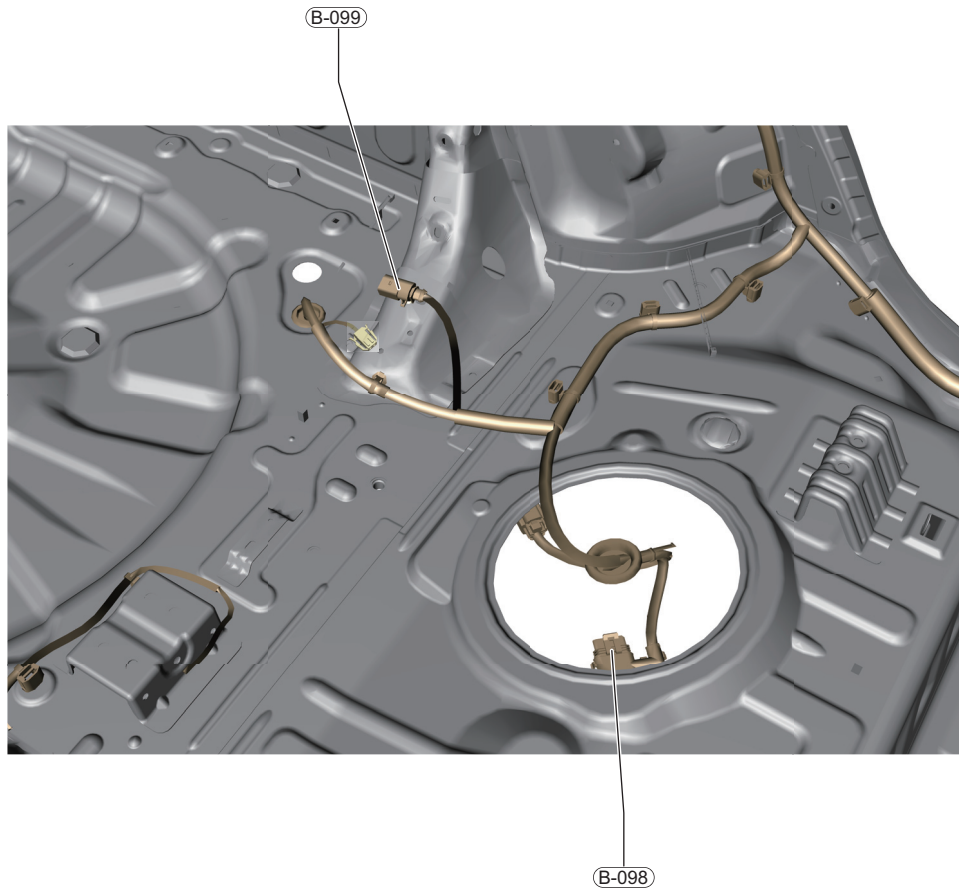
WHE013001

Connector Number	Connector Color/Pin	Connector Name
B-025	W/26	Front Left Door Wire Harness Interface 2
B-026	/	Left HD Camera Connector
B-027	W/20	Front Left Door Wire Harness Interface 1
B-044	B/6	Electronic Accelerator Pedal
B-045	W/4	Brake Switch
B-075	B/2	EPS
B-079	/	Instrument Panel Fuse and Relay Box Power Supply
GB-080	/	Ground G606
GB-081	/	Ground G605
B-083	/	Driving Recorder Connector
B-084	W/26	Instrument Panel Wire Harness Interface 5
B-085	W/40	Instrument Panel Wire Harness Interface 1
B-086	B/26	Instrument Panel Wire Harness Interface 2



WHE014001

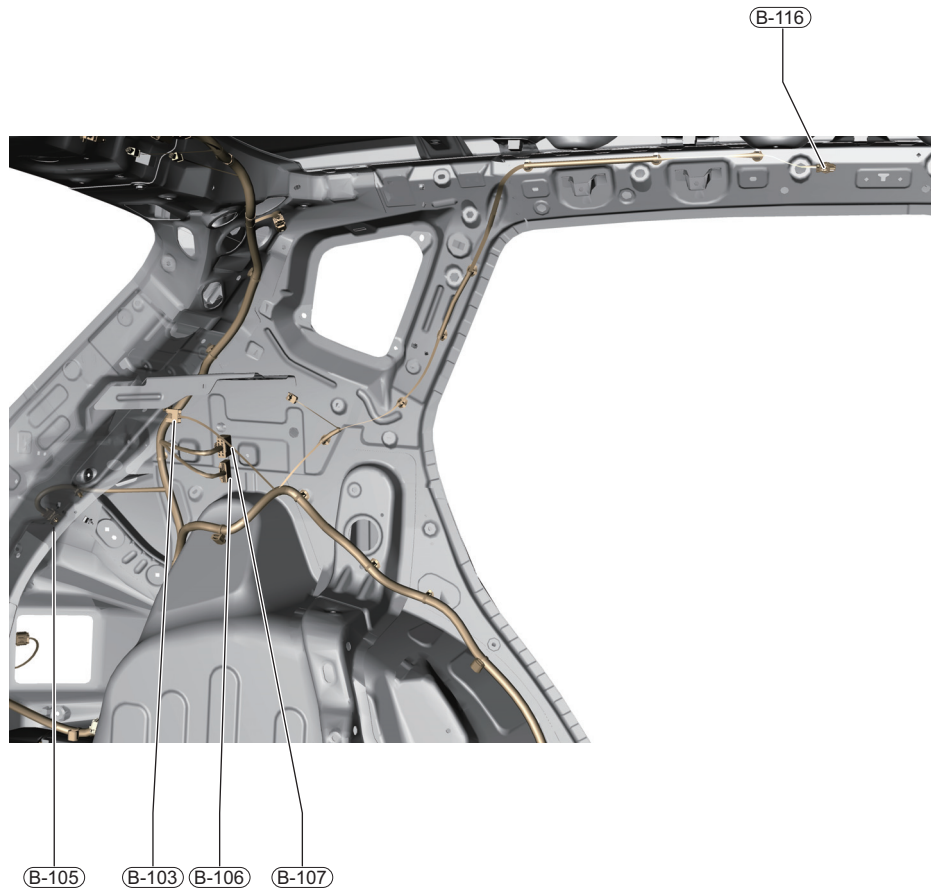
Connector Number	Connector Color/Pin	Connector Name
GB-087	/	G607
B-088	B/32	Interior Wire Harness and Memory Seat Wire Harness Interface
B-089	Br/5	Front Left Seat Adjustment (Low Configuration)
B-093	B/2	Left Side Collision Sensor
B-095	W/16	Rear Left Door Wire Harness Interface



WHE015001

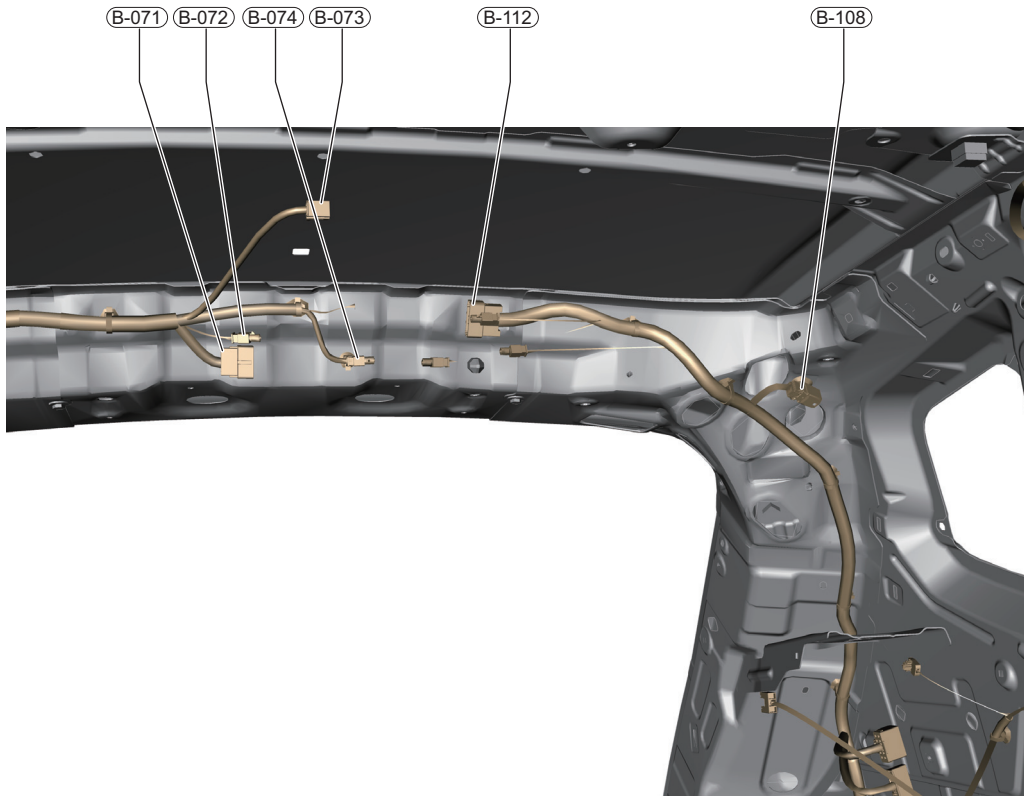
Connector Number	Connector Color/Pin	Connector Name
B-098	B/5	Fuel Pump and Fuel Level Sensor
B-099	W/4	Rear Left Caliper Wire Harness Connector





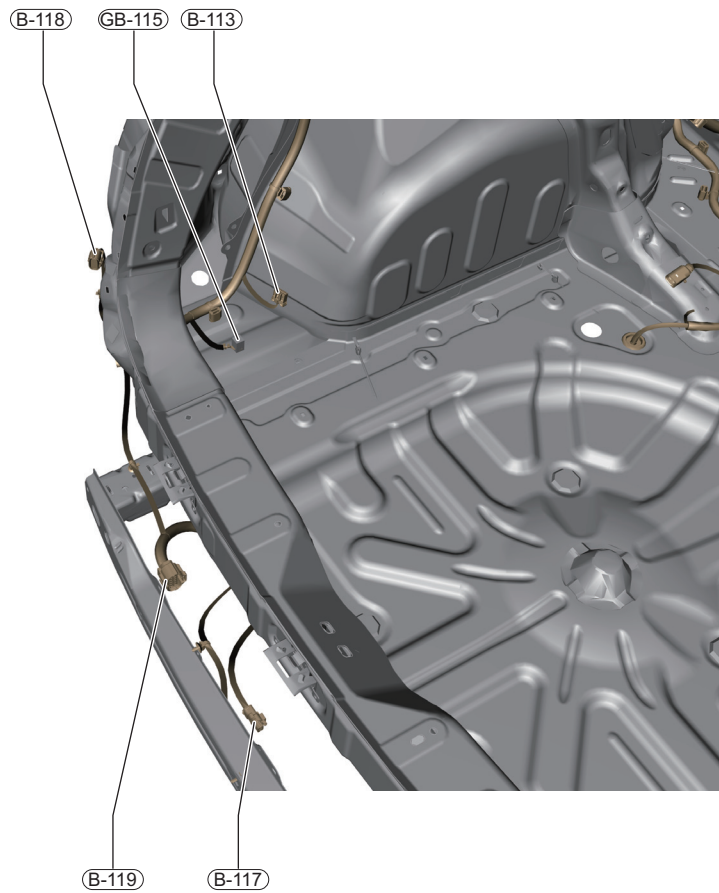
WHE016001

Connector Number	Connector Color/Pin	Connector Name
B-103	B/2	Luggage Compartment Light
B-105	W/10	Rear Left Combination Light
B-106	W/32	Power Back Door Module PLG2
B-107	W/16	Power Back Door Module PLG1
B-116	Y/2	Left Side Curtain Shield Airbag



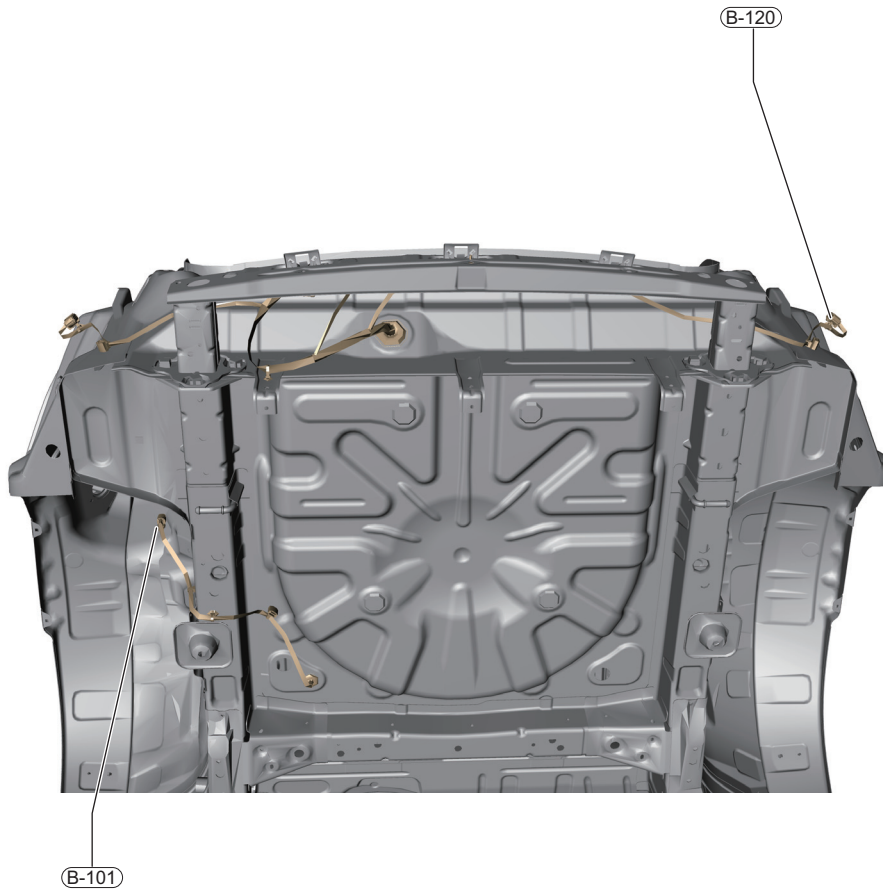
WHE017001

Connector Number	Connector Color/Pin	Connector Name
B-071	W/14	Back Door Interface 2
B-072	/	Radio Antenna
B-073	W/6	Rear Map Light
B-074	/	HD Camera Video Input
B-108	B/10	Left Power Support Rod
B-112	W/16	Back Door Wire Harness Interface 1



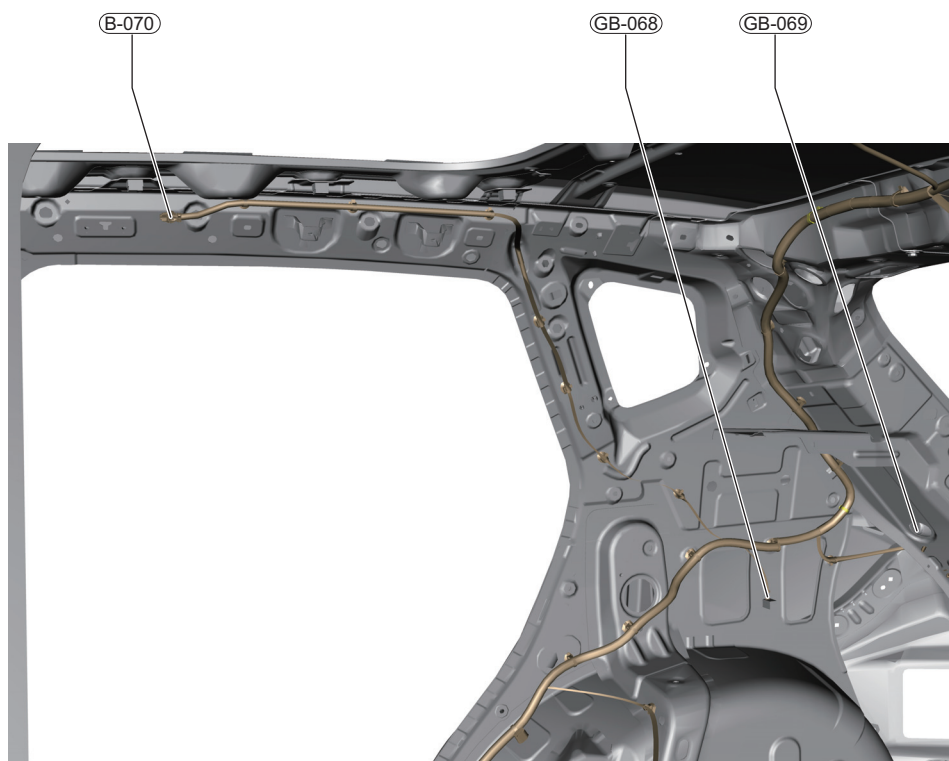
WHE018001

Connector Number	Connector Color/Pin	Connector Name
B-113	W/16	Rear Radar Control Module
GB-115	/	Ground G608
B-117	B/2	Rear Outside Low Frequency Antenna
B-118	B/10	Main Blind Spot Monitor Module
B-119	B/12	Rear Bumper Wire Harness Interface



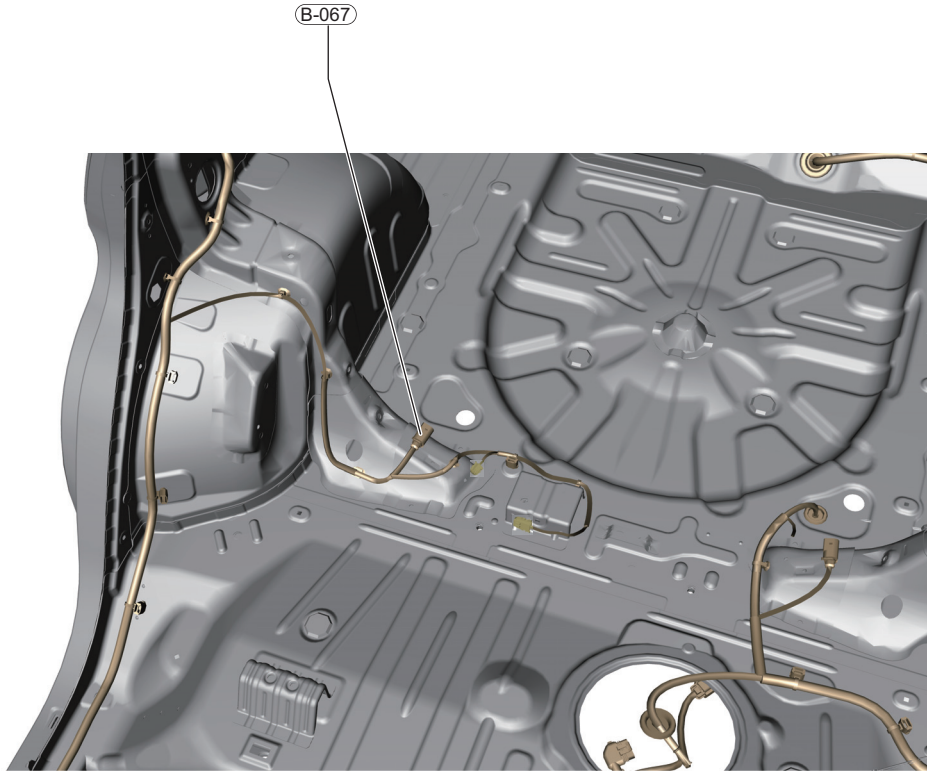
WHE019001

Connector Number	Connector Color/Pin	Connector Name
B-101	B/2	Canister Close Valve
B-120	B/10	Sub Blind Spot Monitor Module



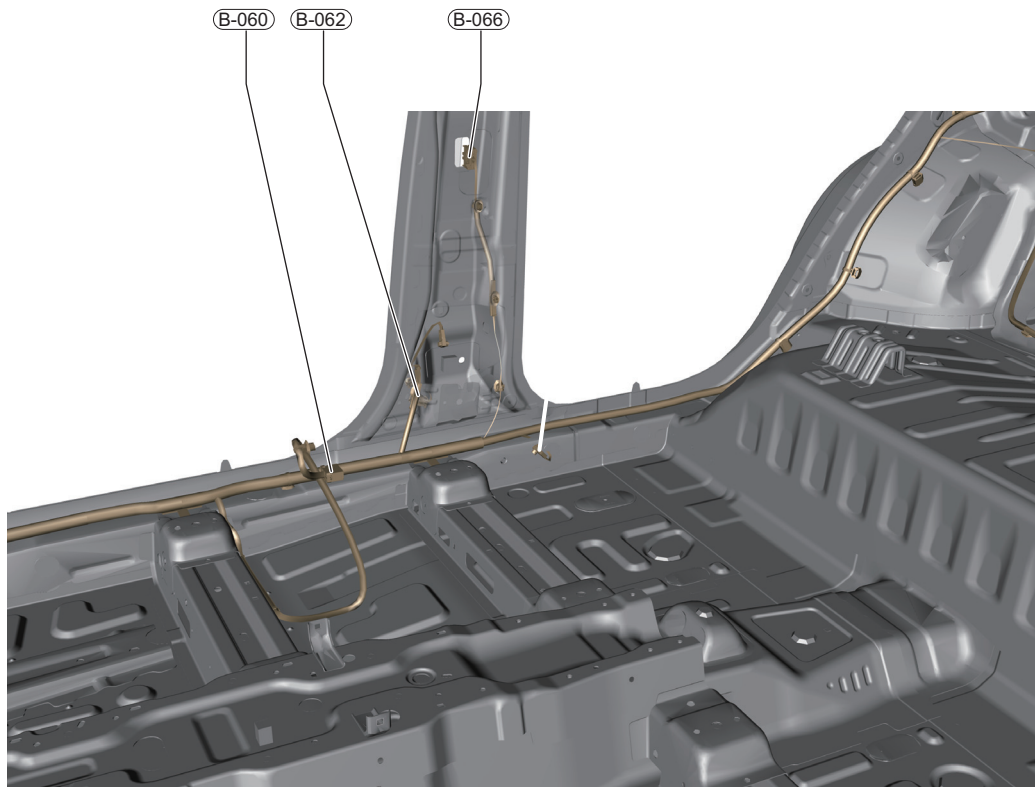
WHE020001

Connector Number	Connector Color/Pin	Connector Name
GB-068	/	Ground G609
B-069	W/10	Rear Right Combination Light
B-070	Y/2	Right Side Curtain Shield Airbag



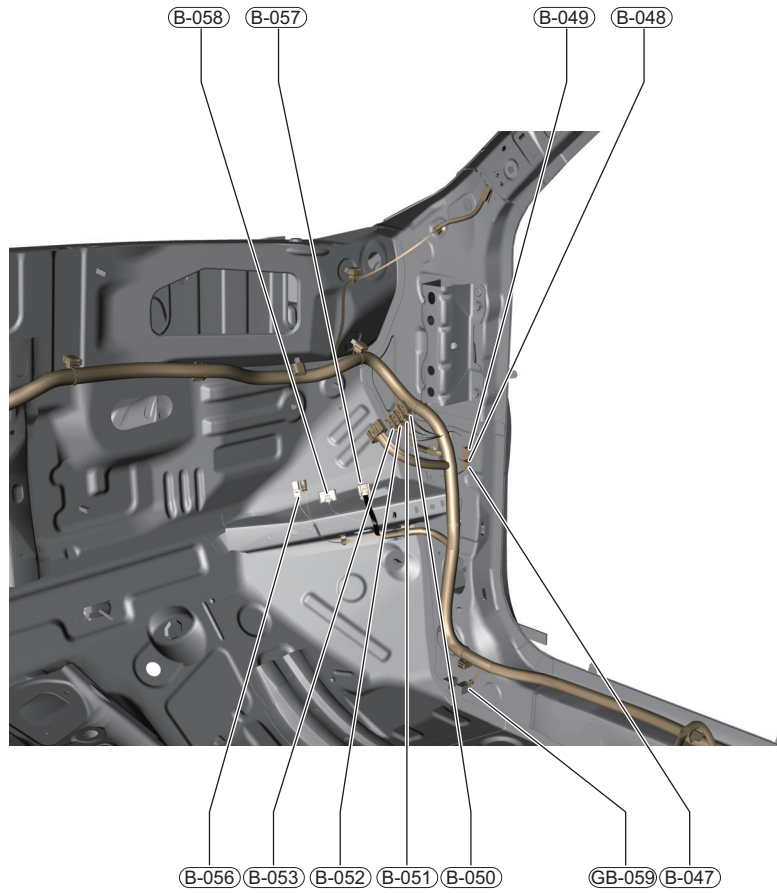
WHE021001

Connector Number	Connector Color/Pin	Connector Name
B-067	W/4	Rear Right Caliper Wire Harness Interface



WHE022001

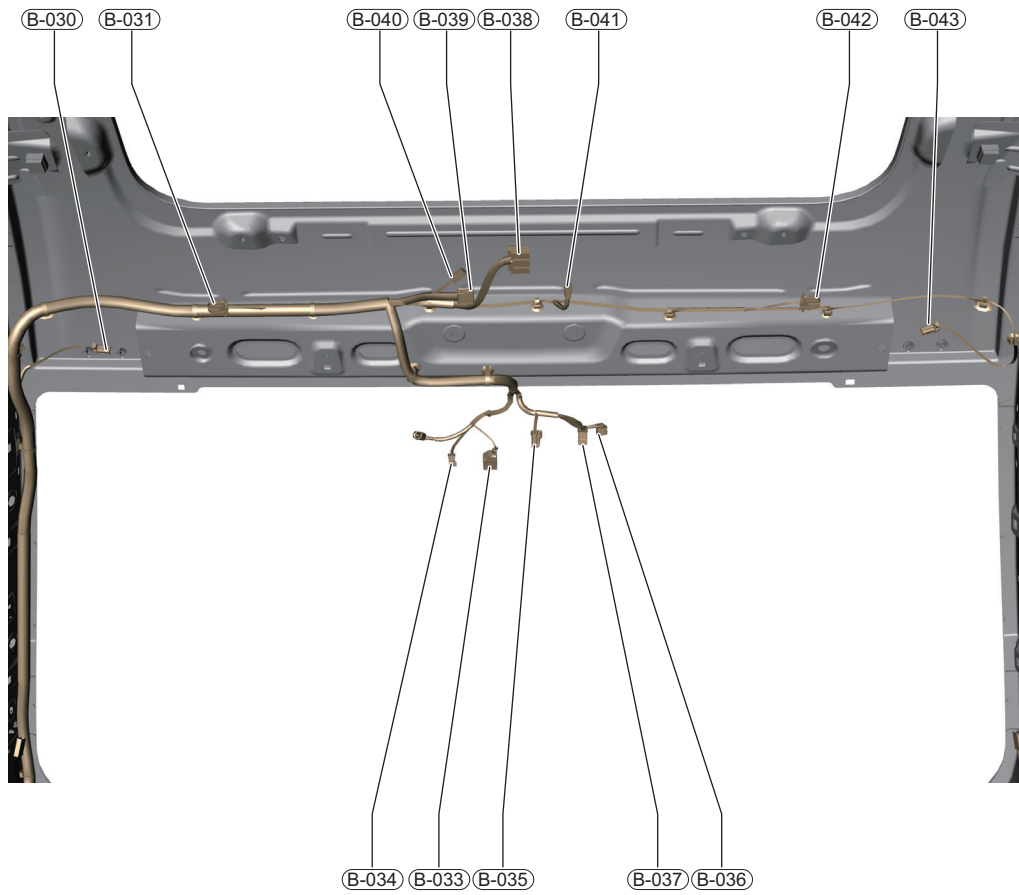
Connector Number	Connector Color/Pin	Connector Name
B-060	B/8	Front Right Seat Wire Harness Interface
B-062	B/2	Right Side Collision Sensor
B-066	W/16	Rear Right Door Wire Harness Interface



WHE023001

Connector Number	Connector Color/Pin	Connector Name
B-047	W/26	Front Right Door Wire Harness Interface 2
B-048	/	Right HD Camera Connector
B-049	W/20	Front Right Door Wire Harness Interface 1
B-050	/	Right View Video Input
B-051	/	Left View Video Input
B-052	/	Rear View Video Input
B-053	/	Front View Video Input
B-056	W/	Radio Antenna
B-057	W/16	Instrument Panel Wire Harness Interface 3
B-058	W/14	Instrument Panel Wire Harness Interface 4
GB-059	/	Ground G610

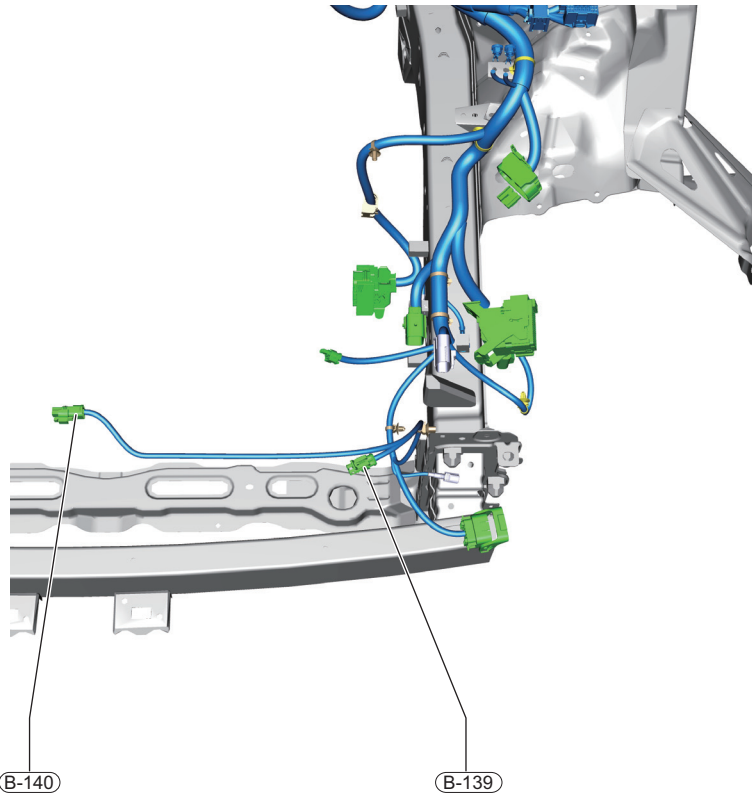




WHE024001

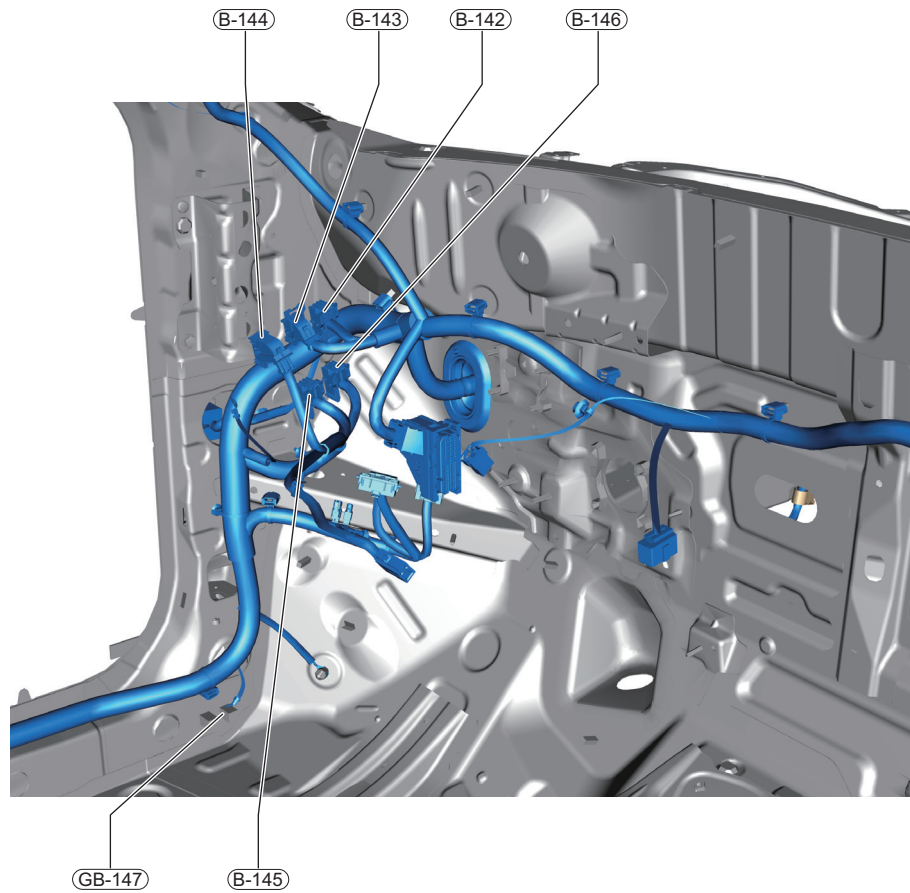
Connector Number	Connector Color/Pin	Connector Name
B-030	W/2	Left Vanity Mirror Light Switch
B-031	W/2	Left Vanity Mirror Light
B-033	W/12	Lane Departure Warning
B-034	B/3	Sunlight Rain Sensor
B-035	W/6	Anti-glare Inside Rear View Mirror
B-036	/	Driving Recorder Camera
B-037	W/8	Driving Recorder
B-038	Gr/14	Sunroof
B-039	W/10	Front Map Light
B-040	W/2	Microphone 1
B-041	W/2	Microphone 2
B-042	W/2	Right Vanity Mirror Light
B-043	W/2	Right Vanity Mirror Light Switch

10



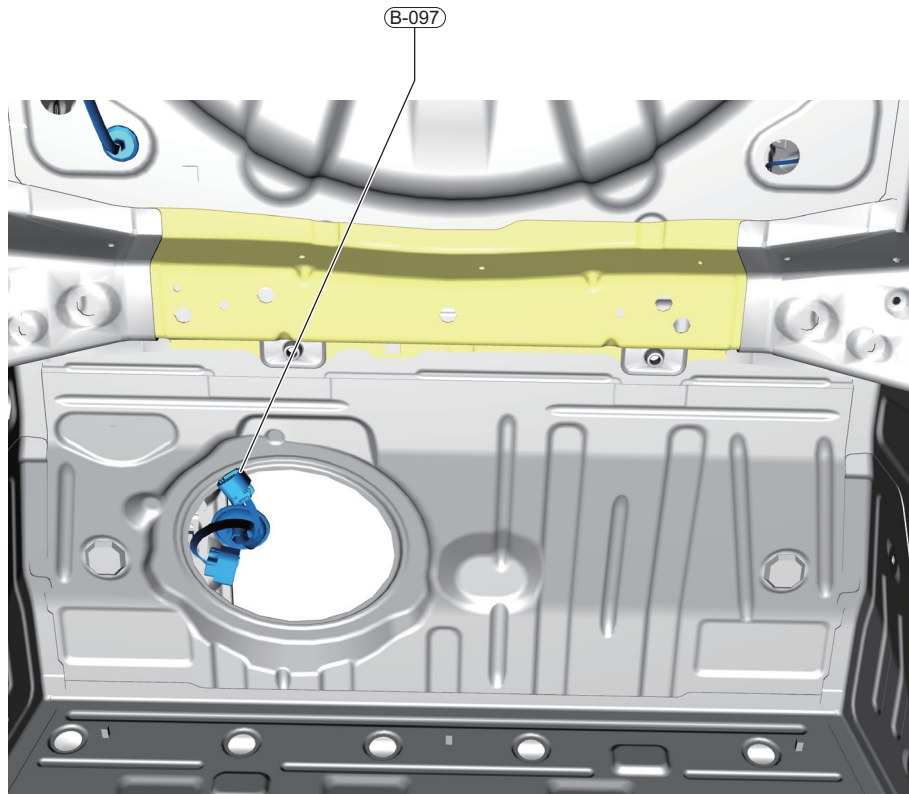
WHE055002

Connector Number	Connector Color/Pin	Connector Name
B-139	B/2	Front Position Light
B-140	/2	Low Frequency Antenna (Front Bumper)



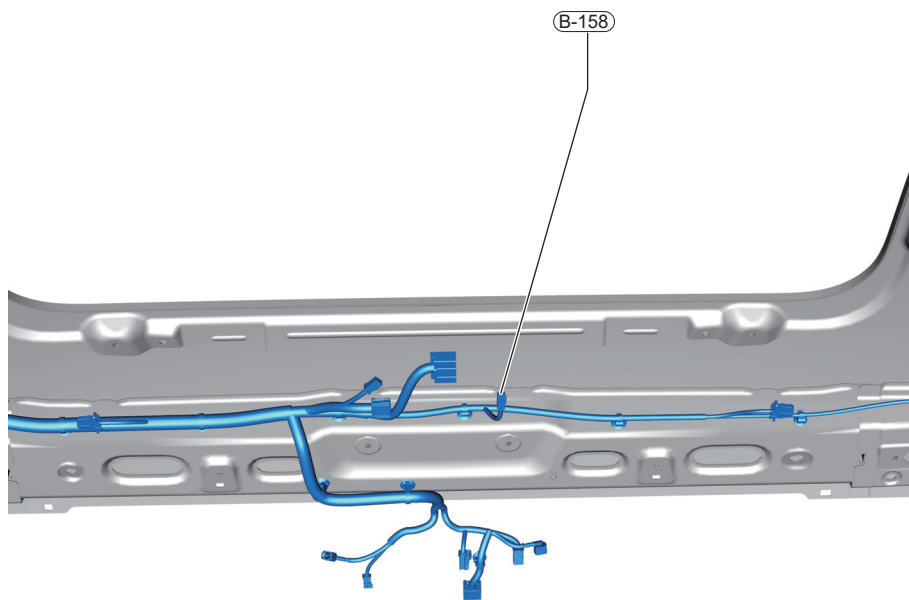
WHE055003

Connector Number	Connector Color/Pin	Connector Name
B-142	/25	Body Control Module (BDM) - 1
B-143	/40	Body Control Module (BDM) - 2
B-144	/52	Body Control Module (BDM) - 3
B-145	/25	Body Control Module (BDM) - 5
B-146	/25	Body Control Module (BDM) - 6
GB-147	12	Ground G611



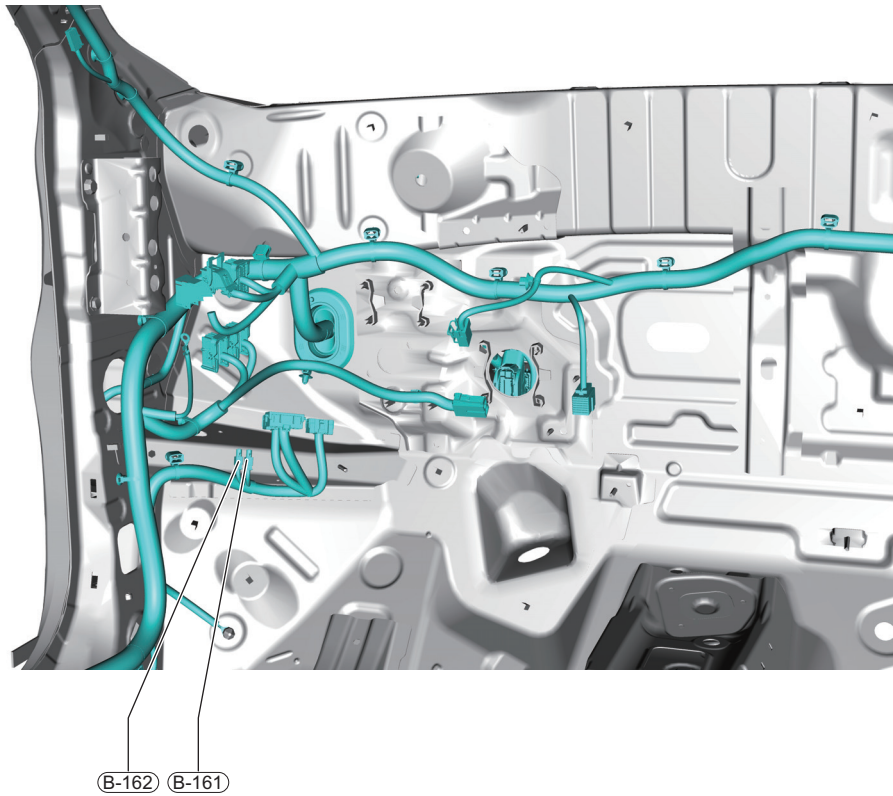
WHE055004

Connector Number	Connector Color/Pin	Connector Name
B-097	/3	Fuel Tank Pressure Sensor



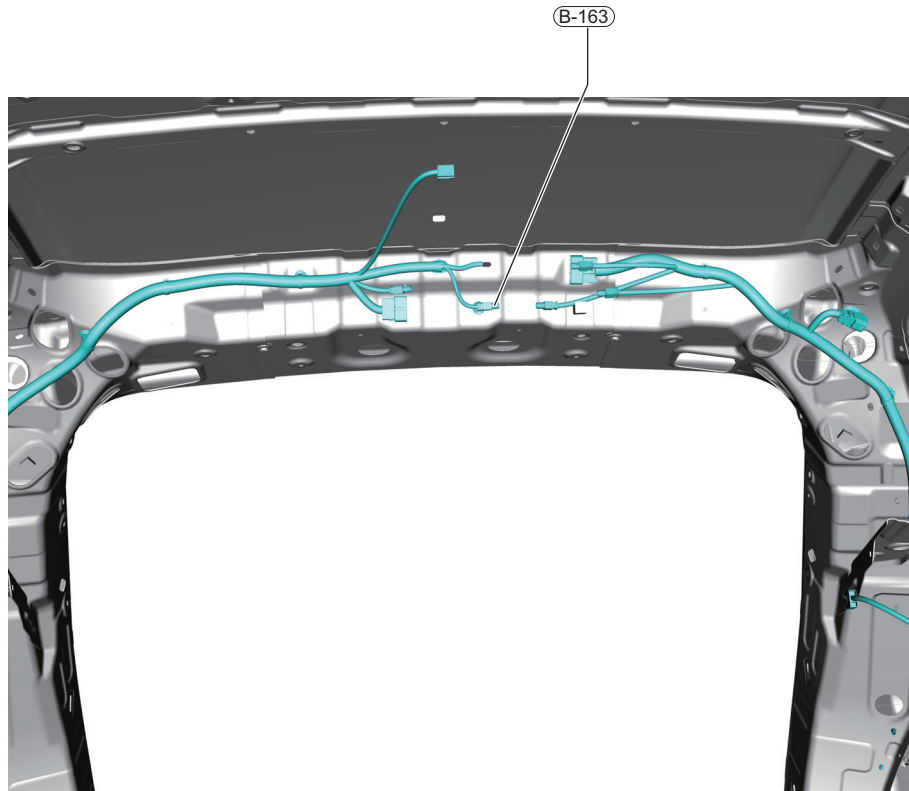
WHE055005

Connector Number	Connector Color/Pin	Connector Name
B-158	/2	USB Charging Module 2 (Roof)



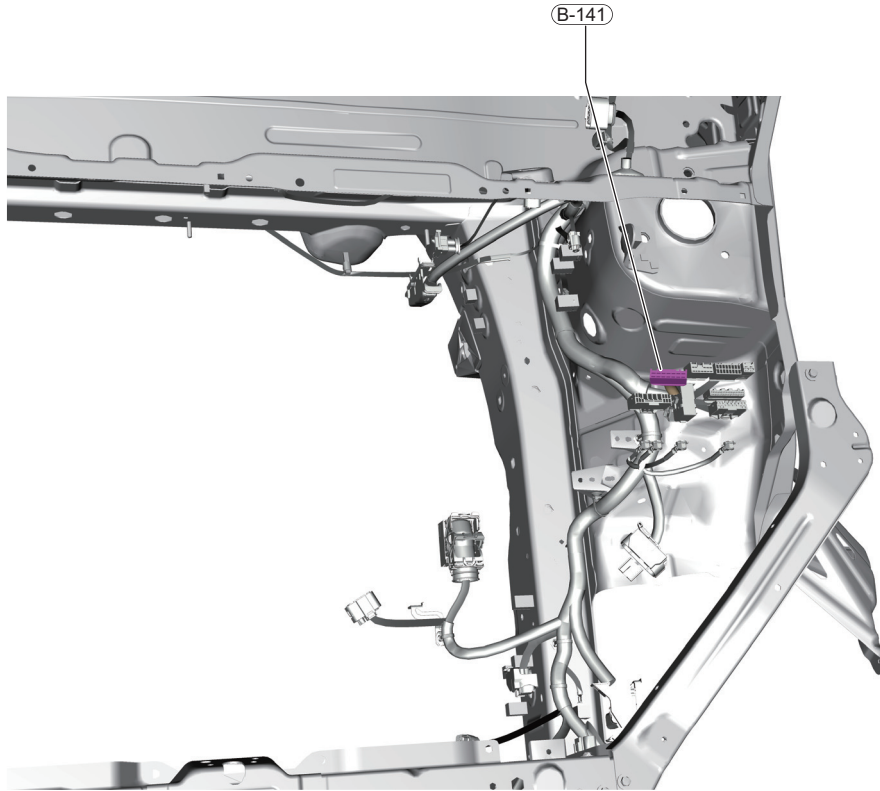
WHE055006

Connector Number	Connector Color/Pin	Connector Name
B-161	/4	Interior Wire Harness to Instrument Panel Wire Harness (HD AVM Four-in-one Antenna)
B-162	/	Interior Wire Harness to Instrument Panel Wire Harness (HD Reversing View)



WHE055007

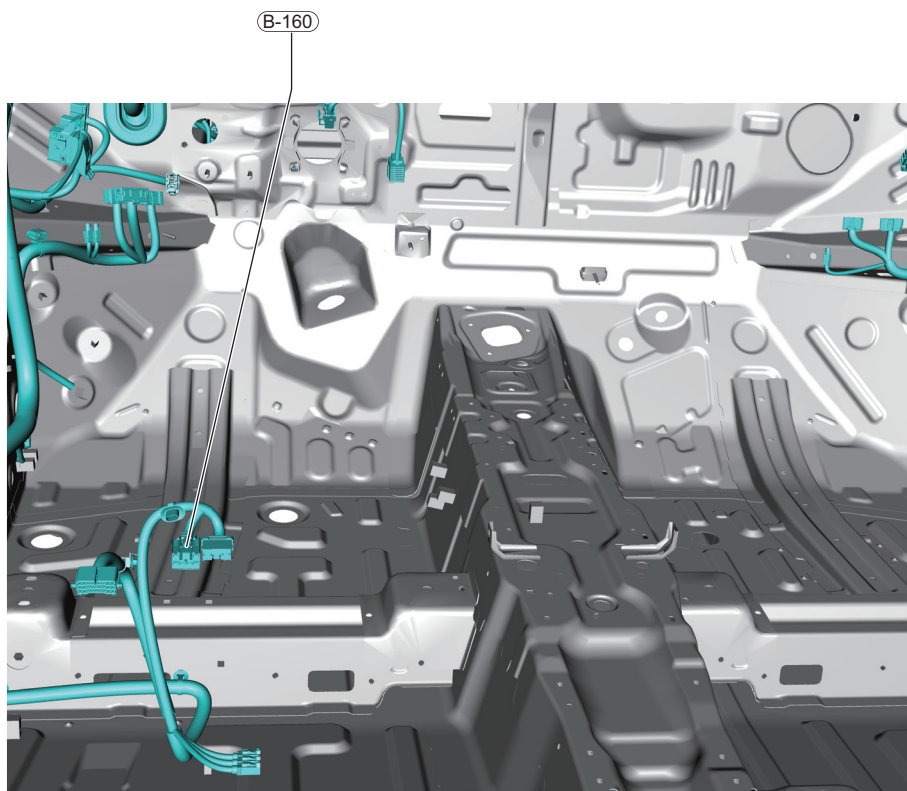
Connector Number	Connector Color/Pin	Connector Name
B-163	/	HD Reversing View



WHE055009

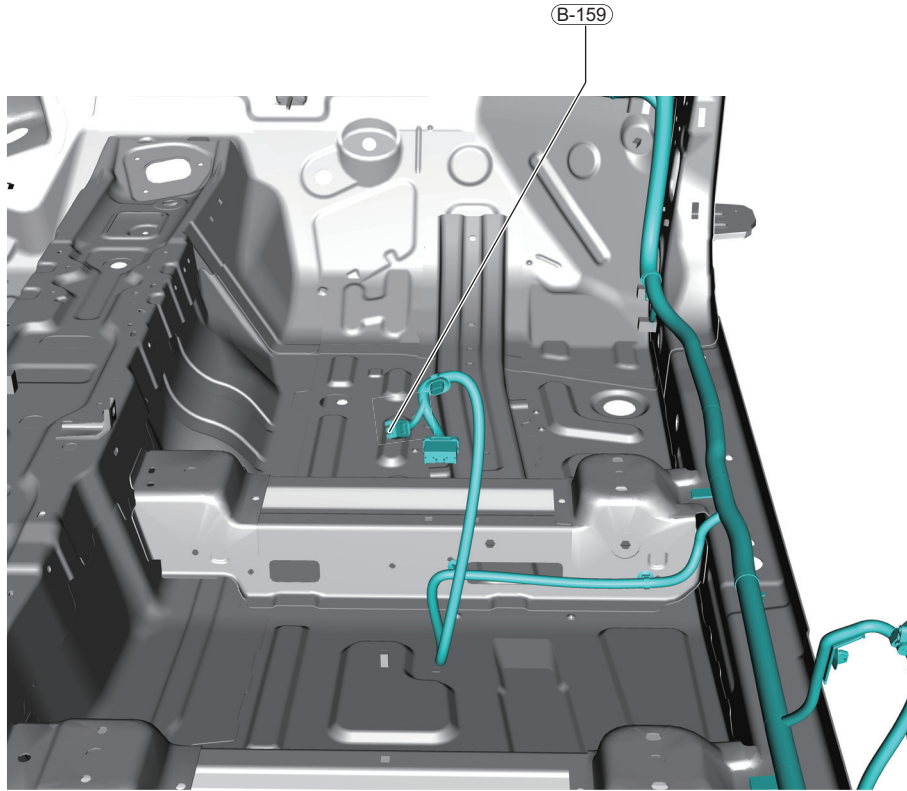
Connector Number	Connector Color/Pin	Connector Name
B-141	/14	Engine Compartment Fuse Box C





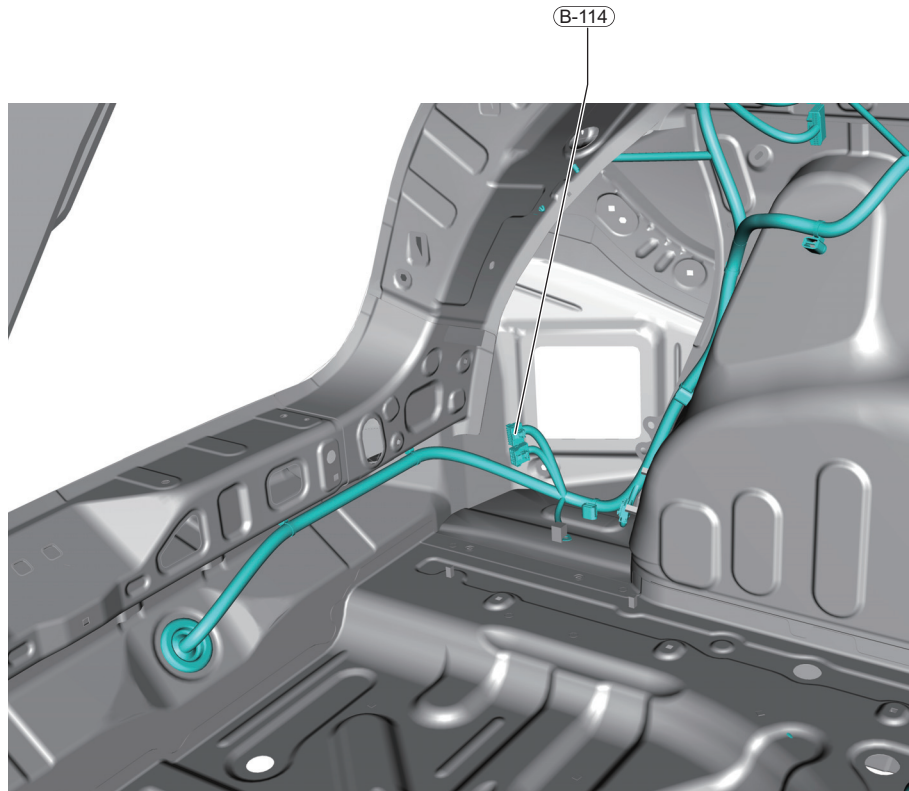
WHE055011

Connector Number	Connector Color/Pin	Connector Name
B-160	/	Driver Seat Heater



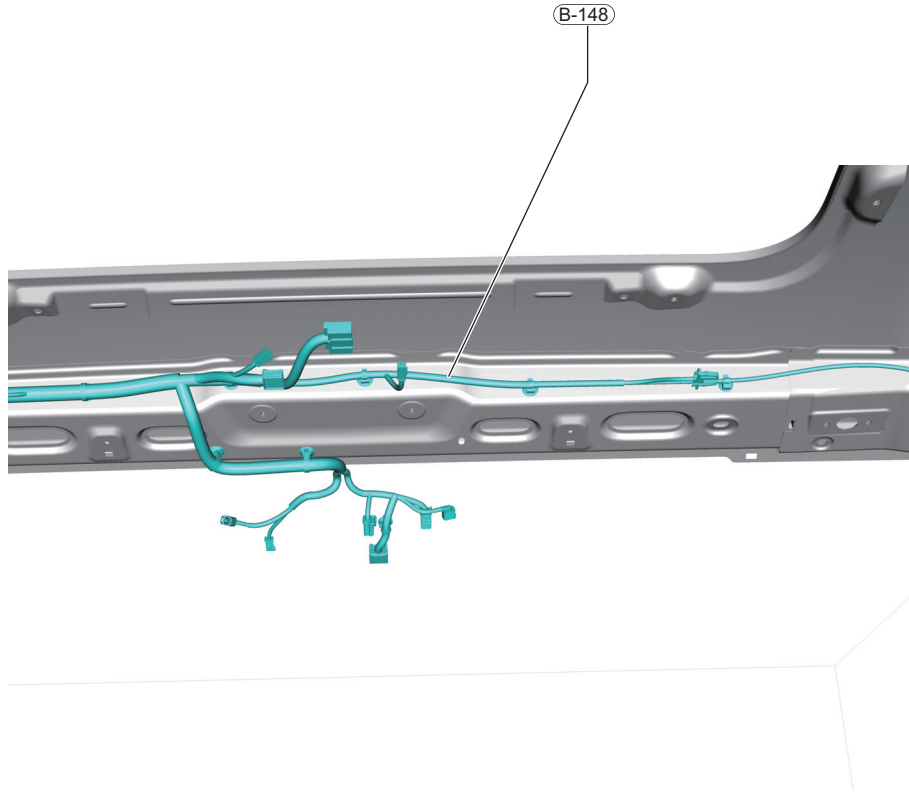
WHE055012

Connector Number	Connector Color/Pin	Connector Name
B-159	/	Front Right Seat Heating



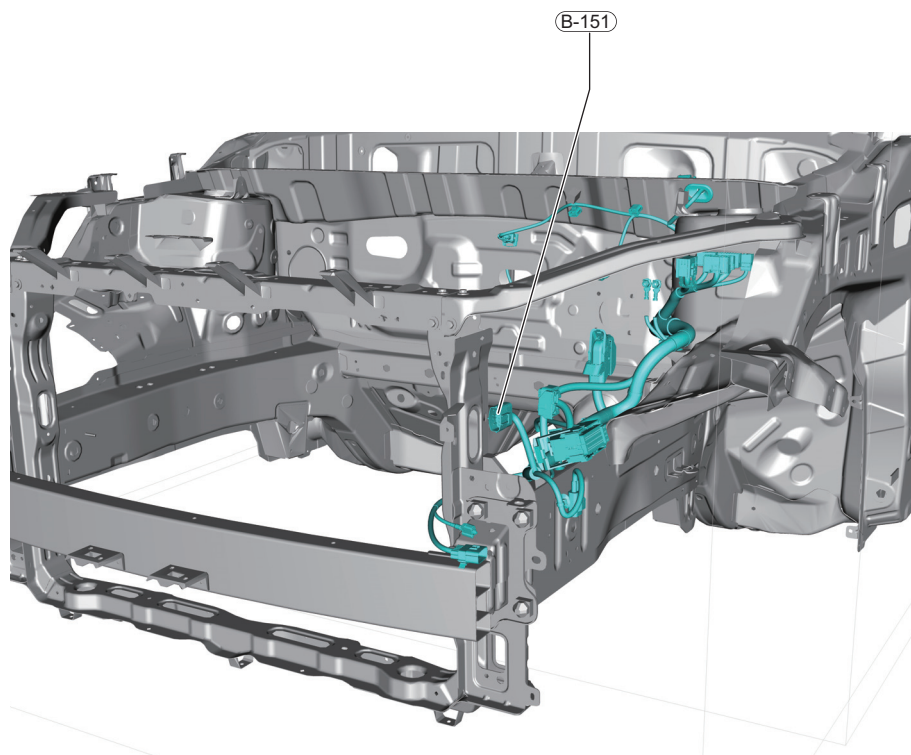
WHE055013

Connector Number	Connector Color/Pin	Connector Name
B-114	/24	Radar Control Module



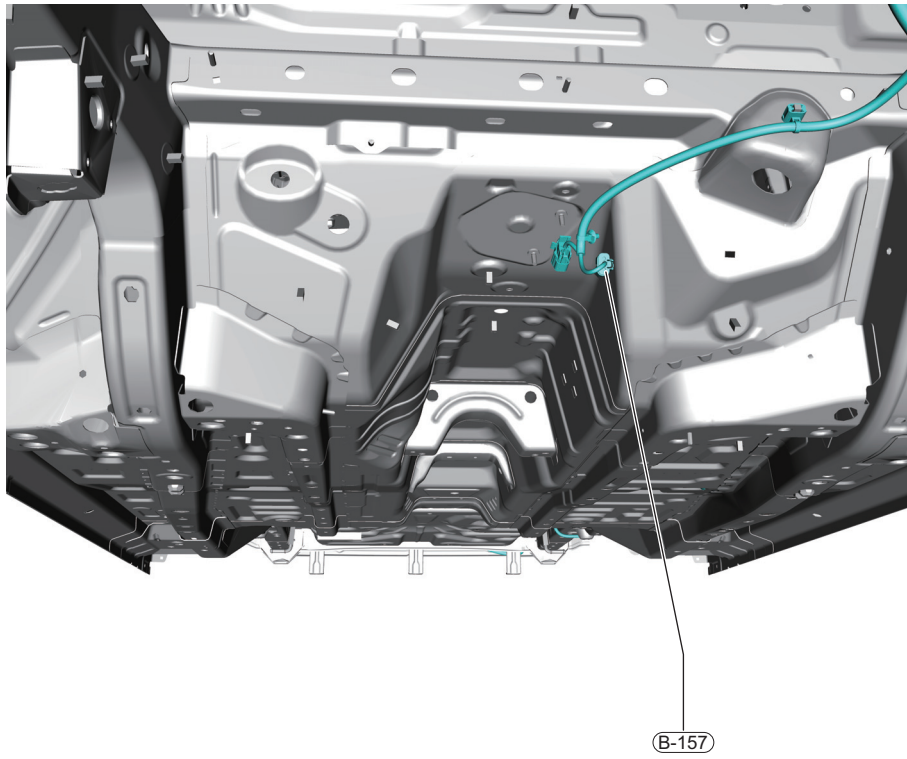
WHE055014

Connector Number	Connector Color/Pin	Connector Name
B-148	/6	Electronic Toll Collection Module



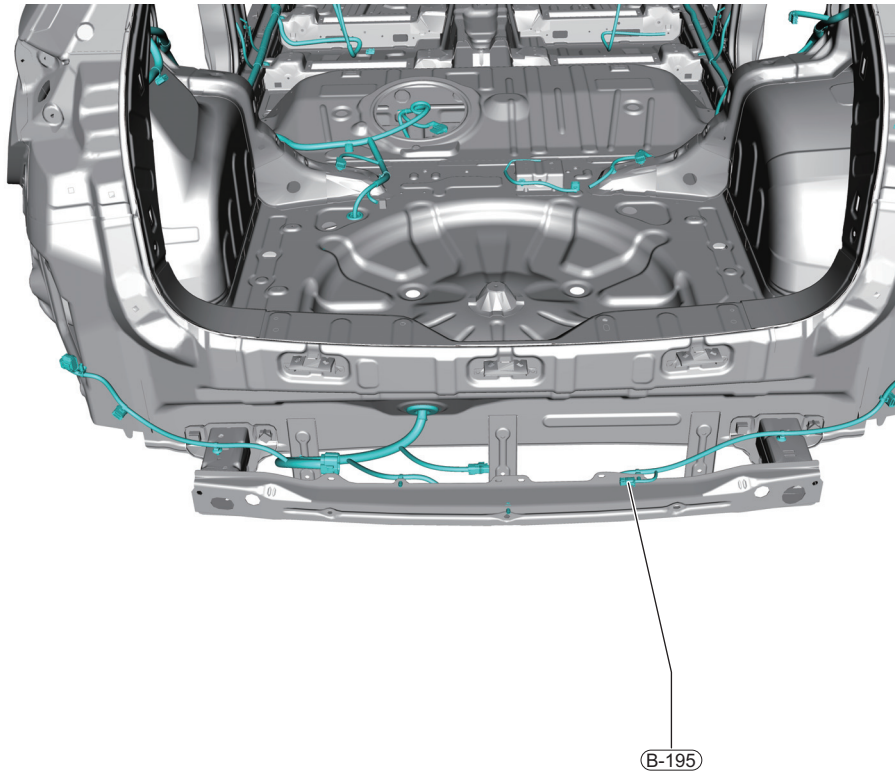
WHE055015

Connector Number	Connector Color/Pin	Connector Name
B-151	/12	Interior Wire Harness to Front Bumper Wire Harness



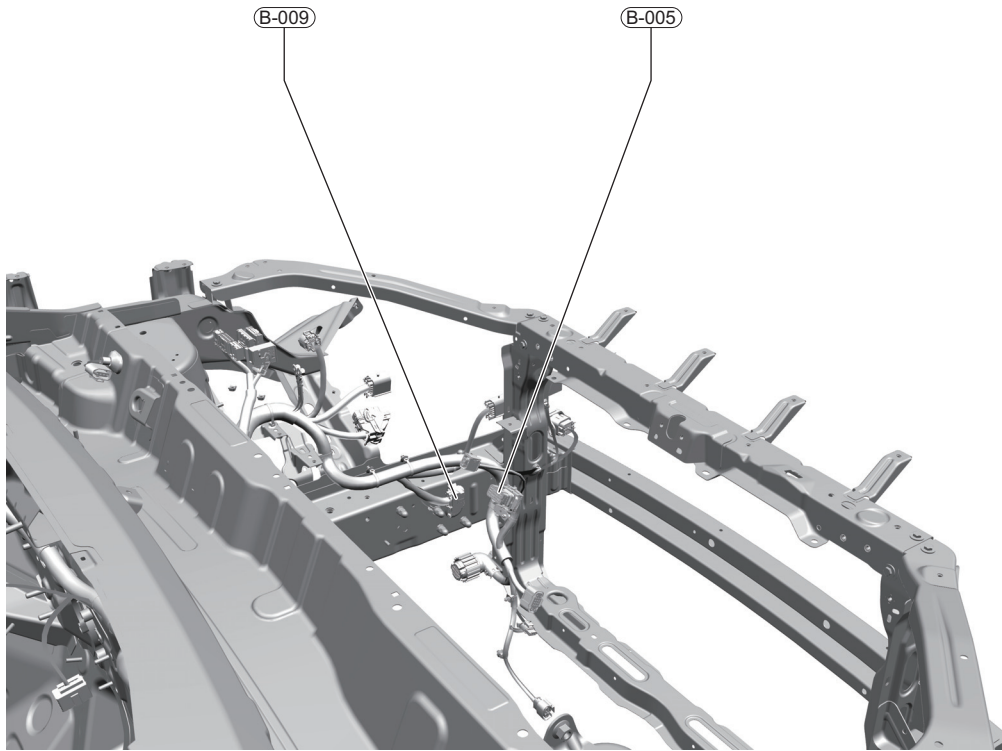
WHE055016

Connector Number	Connector Color/Pin	Connector Name
B-157	/4	GPF Differential Pressure Sensor (1.6T)



WHE055017

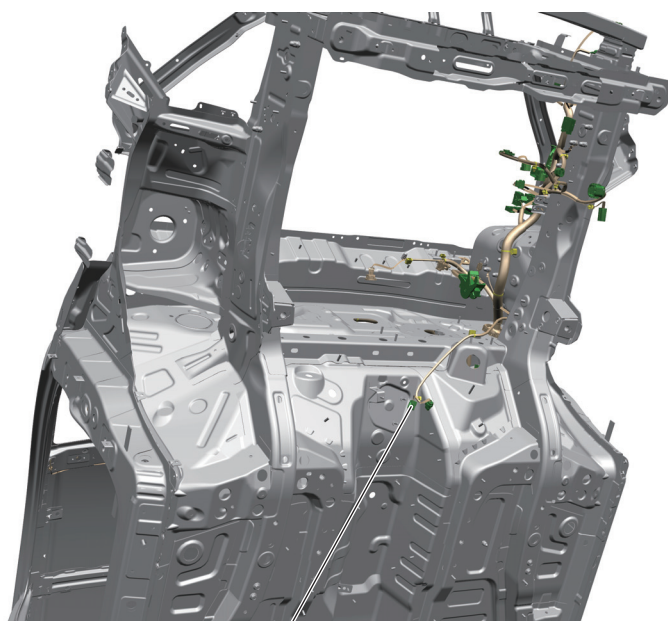
Connector Number	Connector Color/Pin	Connector Name
B-195	/4	Bluetooth Module



WHE055018

Connector Number	Connector Color/Pin	Connector Name
B-005	B/94	ECU (K) 1.6T
B-009	B/30	Engine Wire Harness Interface 4 (1.6T)

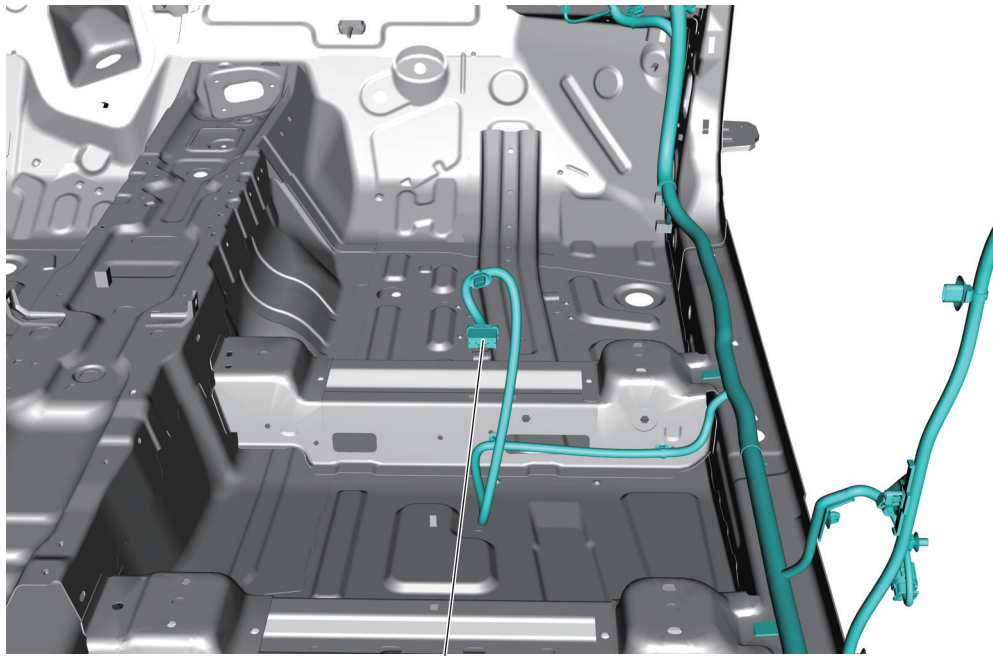




B-180

WHE055020

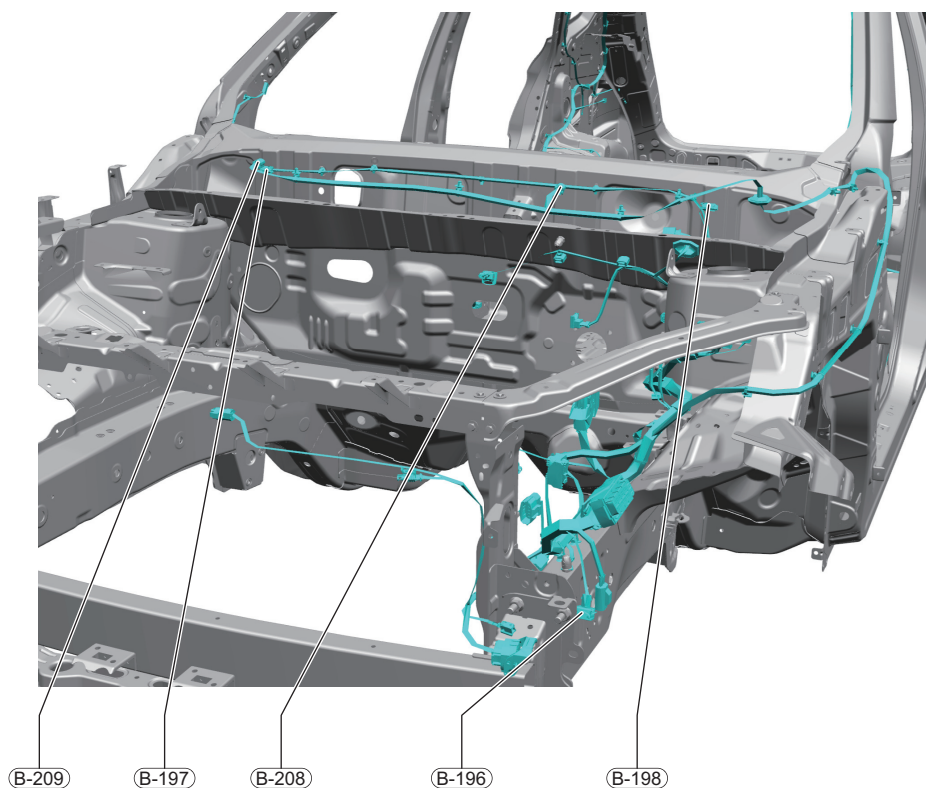
Connector Number	Connector Color/Pin	Connector Name
B-180	/2	Exhaust Temperature Sensor (1.6T)



B-178

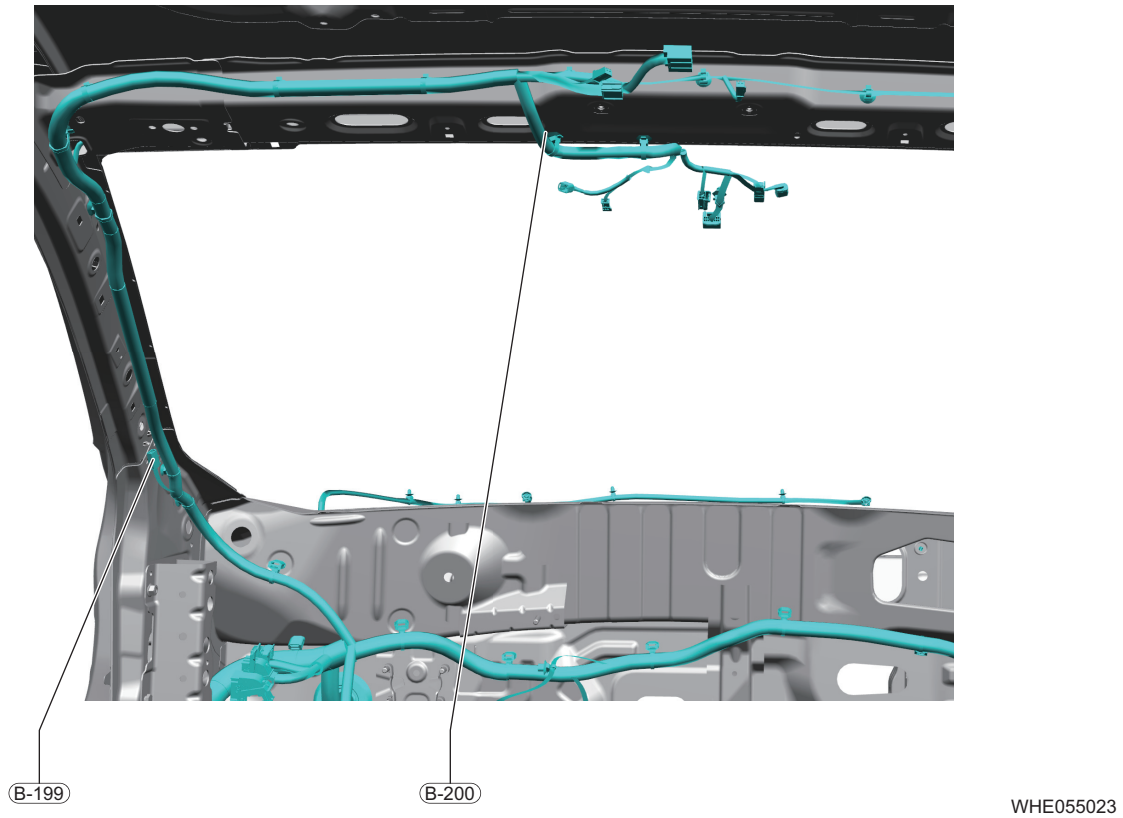
WHE055021

Connector Number	Connector Color/Pin	Connector Name
B-178	/5	Front Passenger Seat Adjustment (Low Configuration)

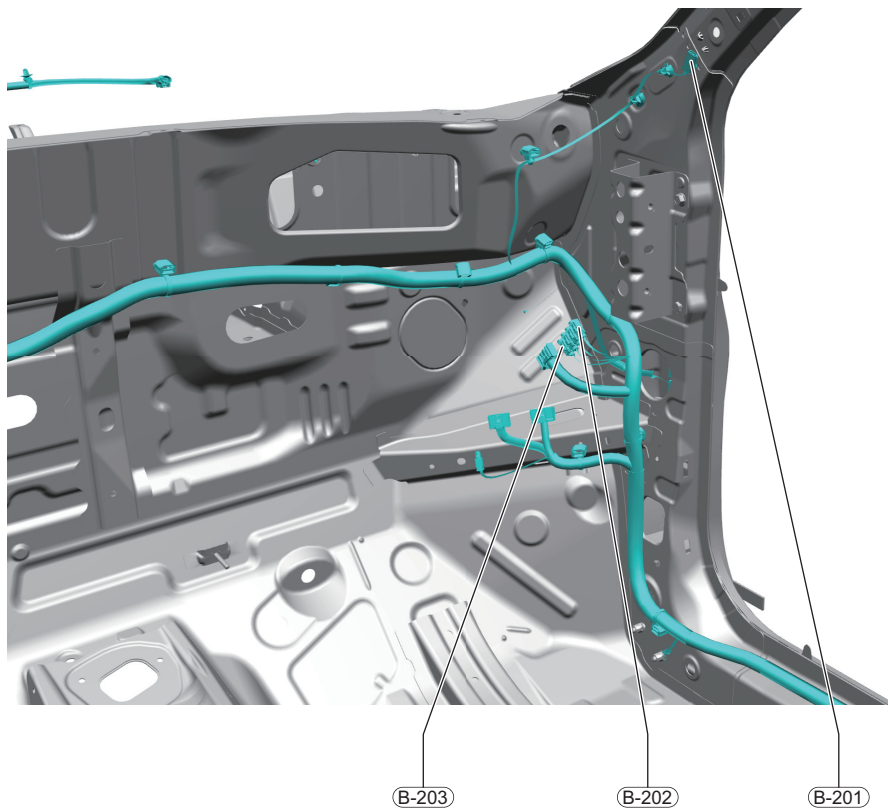


WHE055022

Connector Number	Connector Color/Pin	Connector Name
B-196	/2	Anti-theft Horn
B-197	/1	Windshield Heating - Right
B-198	/1	Windshield Heating - Left
B-208	/2	Left Washer Nozzle Heating
B-209	/2	Right Washer Nozzle Heating

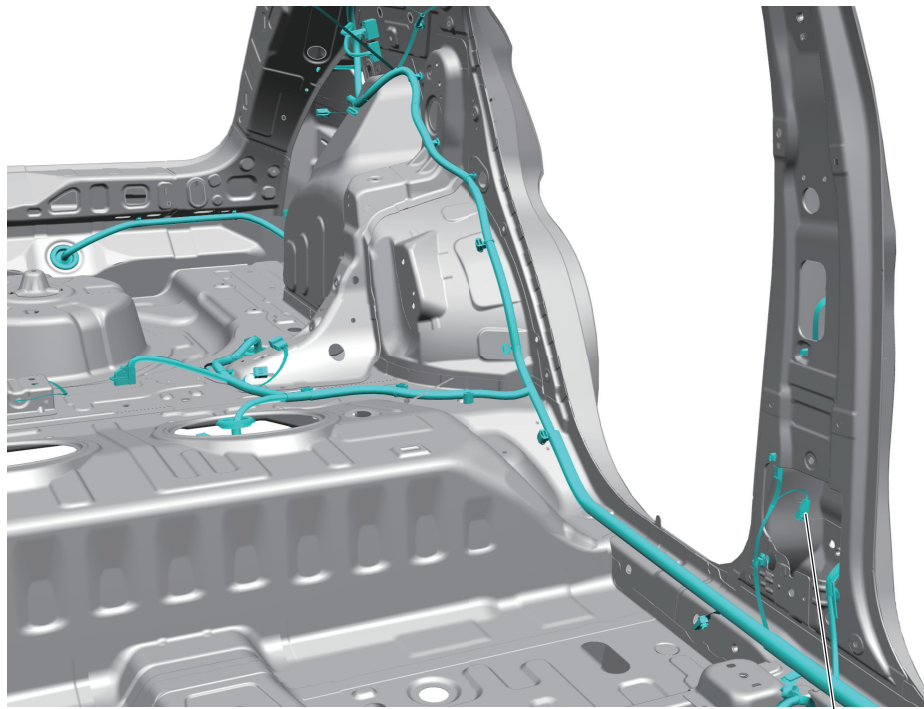


Connector Number	Connector Color/Pin	Connector Name
B-199	/1	Windshield Heating 1 -
B-200	/6	SOS SW



WHE055024

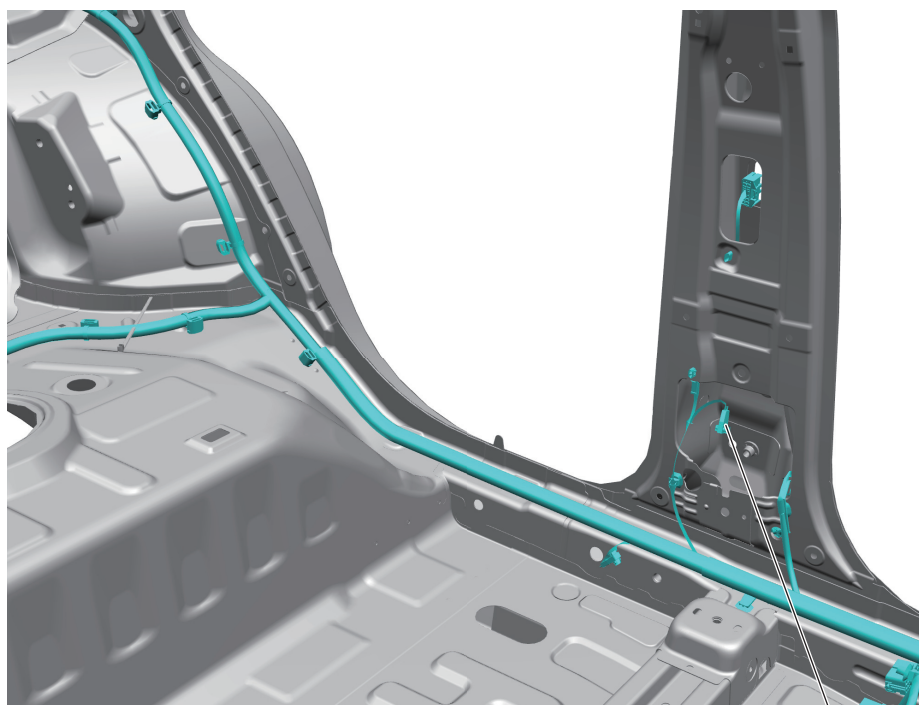
Connector Number	Connector Color/Pin	Connector Name
B-201	/1	Windshield Heating 2-
B-202	/	Interior Wire Harness to Instrument Panel Wire Harness (DAB Antenna)
B-203	/	Interior Wire Harness to Instrument Panel Wire Harness (GPS Antenna)



B-210

WHE055025

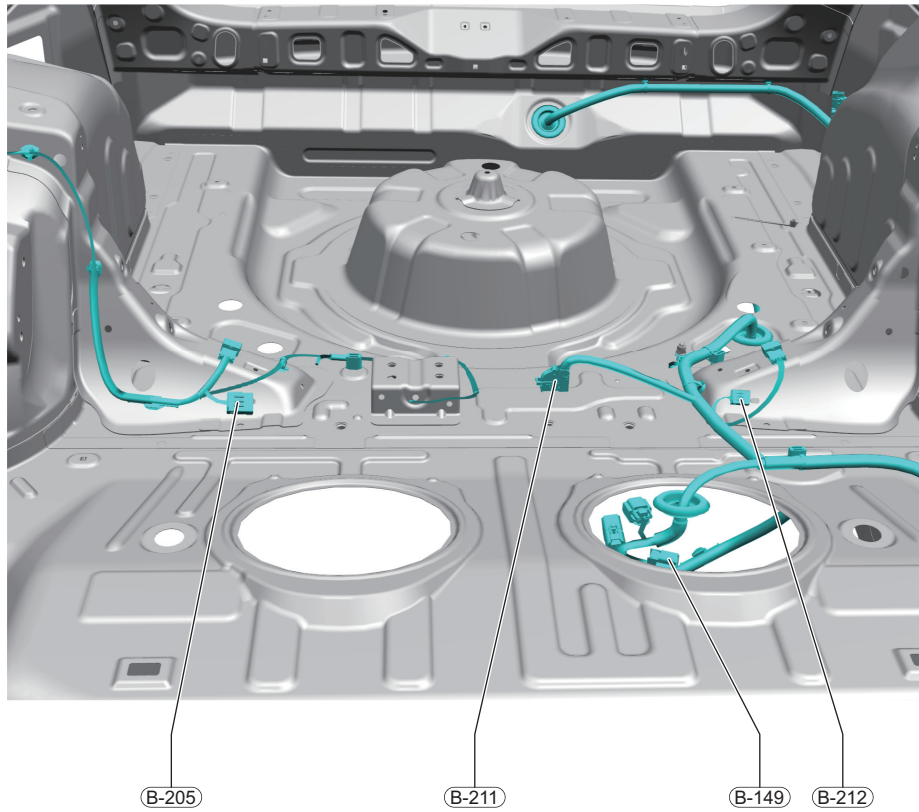
Connector Number	Connector Color/Pin	Connector Name
B-210	/2	Driver Seat Belt Pretensioner



B-204

WHE055026

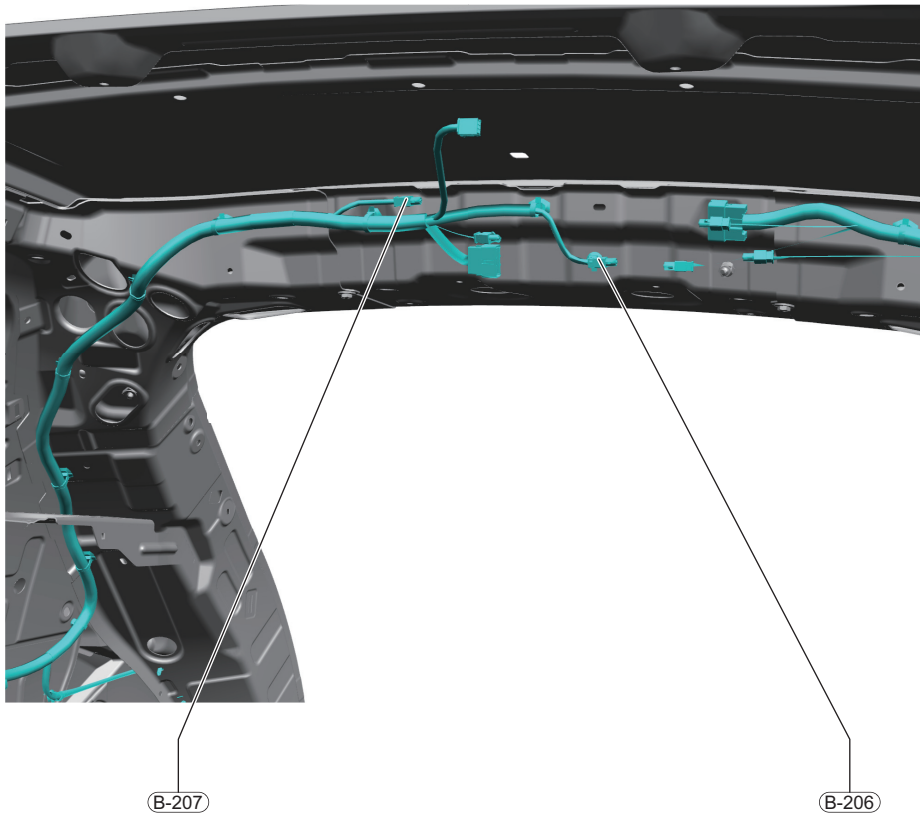
Connector Number	Connector Color/Pin	Connector Name
B-204	/2	Front Passenger Seat Belt Pretensioner



WHE055027

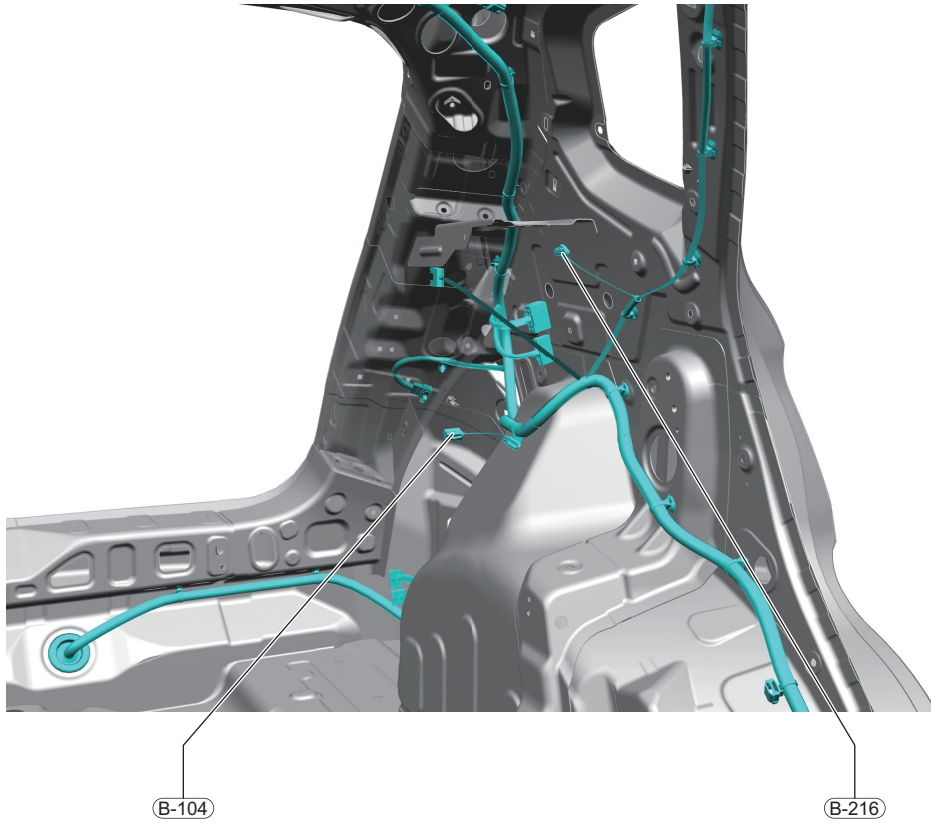
Connector Number	Connector Color/Pin	Connector Name
B-149	/10	Oil Pump Controller
B-205	/10	Second Row Right Seat Heating
B-211	/16	4WD Module - 1
B-212	/10	Second Row Left Seat Heating





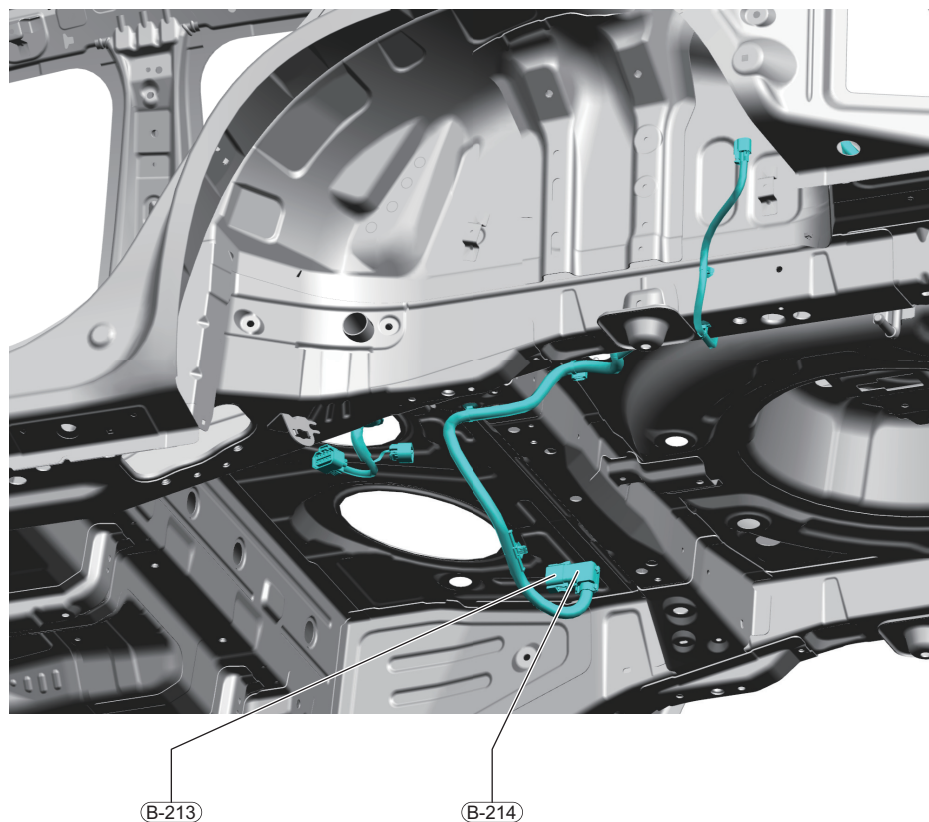
WHE055028

Connector Number	Connector Color/Pin	Connector Name
B-206	/	Interior Wire Harness to Back Door Wire Harness (DAB Antenna)
B-207	/	GPS Antenna



WHE055029

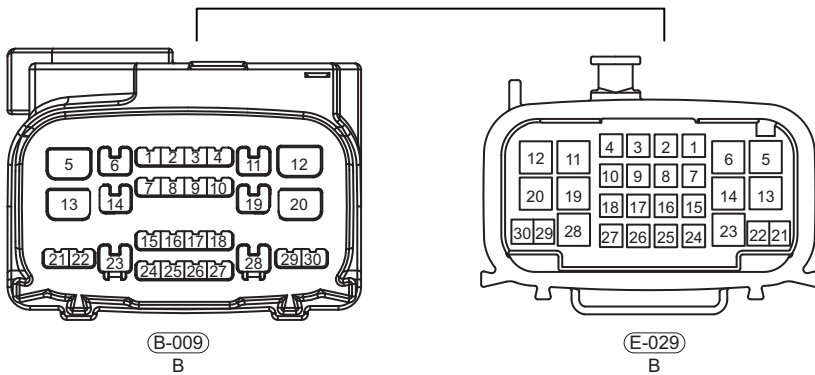
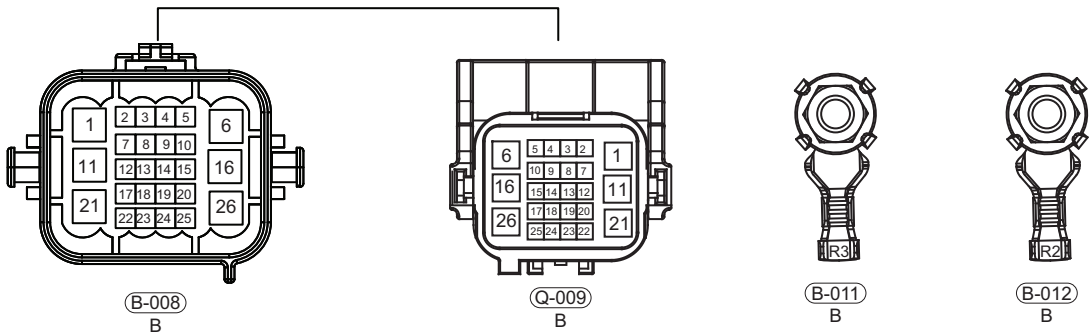
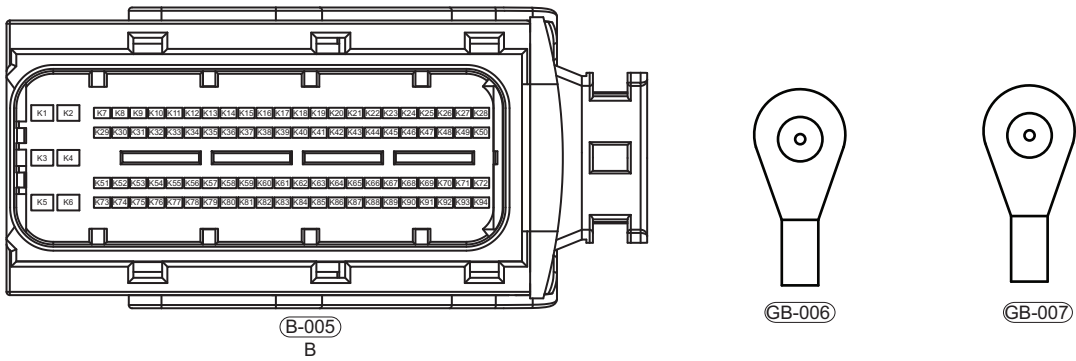
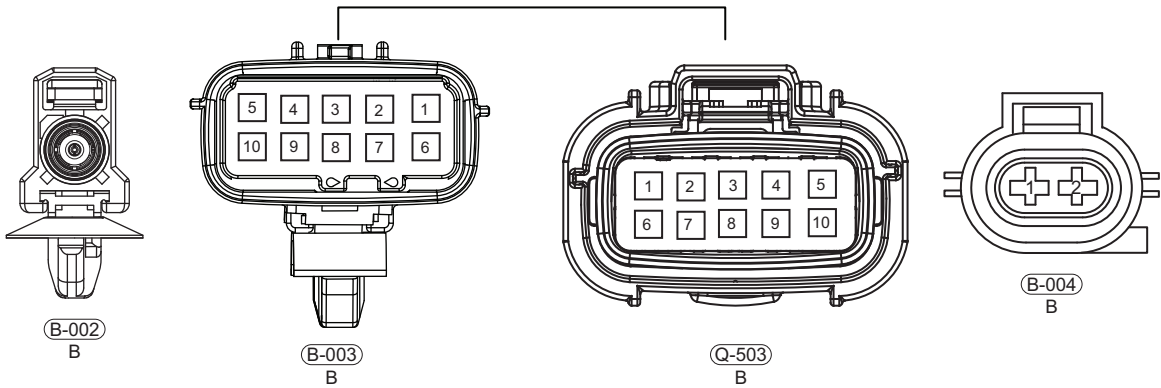
Connector Number	Connector Color/Pin	Connector Name
B-104	B/2	Luggage Compartment Backup Power Supply
B-216	/2	Rear Left Seat Belt Pretensioner



WHE055030

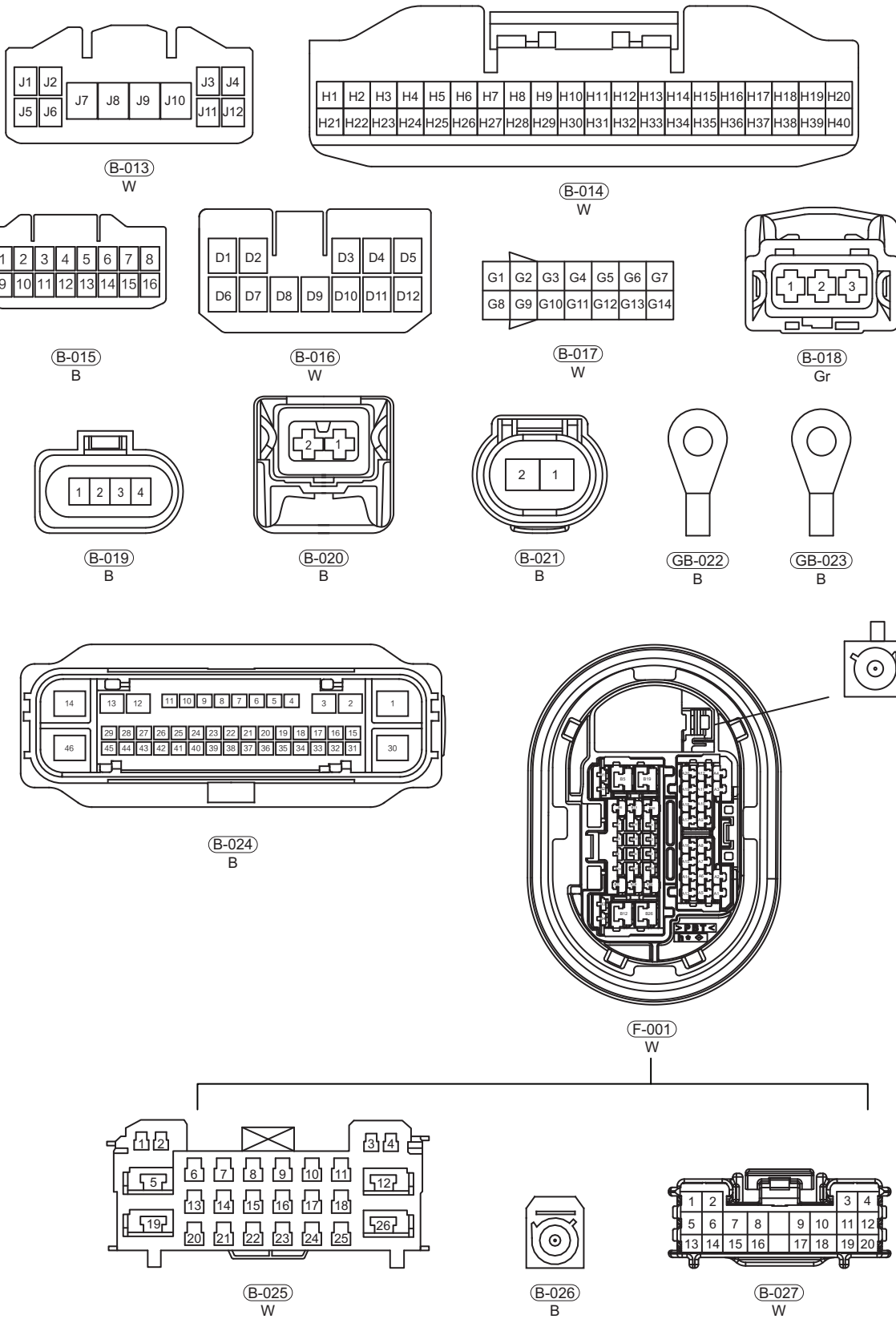
Connector Number	Connector Color/Pin	Connector Name
B-213	/11	4WD Motor
B-214	/6	4WD Module - 2

Interior Wire Harness Connector List



10

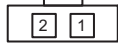
EPU001001



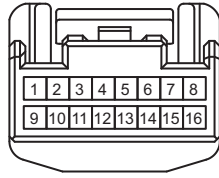
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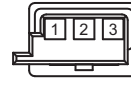
B-030  
W



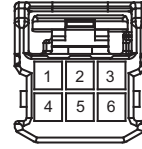
B-031  
W



B-033  
W



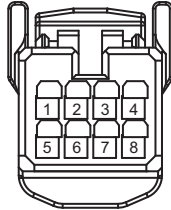
B-034  
B



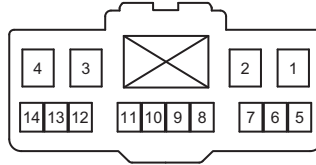
B-035  
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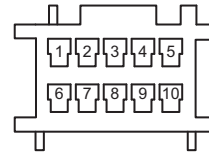
B-036  
B



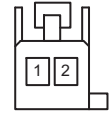
B-037  
W



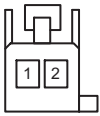
B-038  
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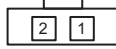
B-039  
W



B-040  
W



B-041  
W



B-042  
W



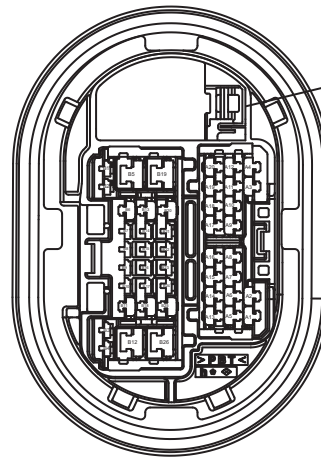
B-043  
W



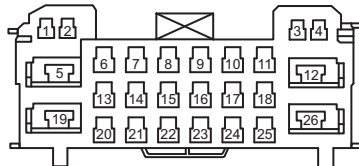
B-044  
B



B-045  
B



H-001  
W



B-047  
W



B-048  
B



B-049  
W



B-050



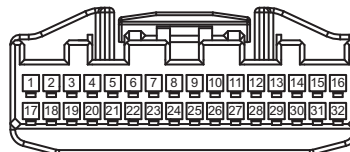
B-051



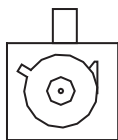
B-052



B-053



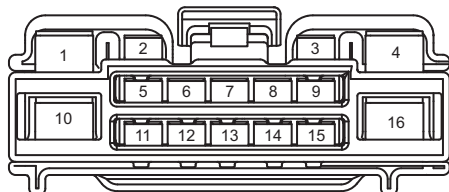
B-055  
W



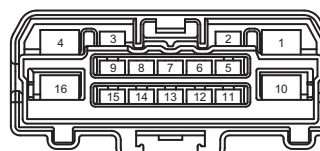
B-056  
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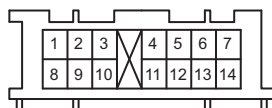
I-002  
B



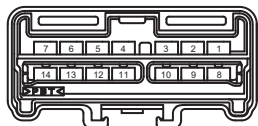
B-057  
W



I-001  
W



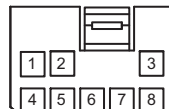
B-058  
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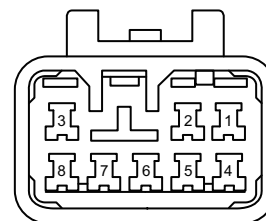
I-003  
W



GB-059  
B



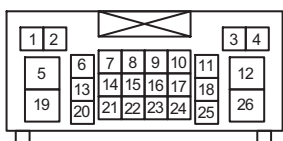
B-060  
B



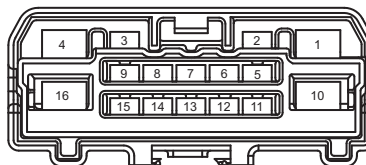
S-012



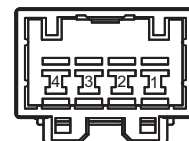
B-062  
B



B-066  
W



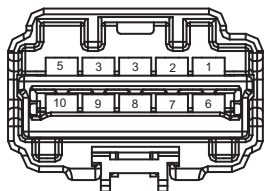
R-001  
W



B-067  
W



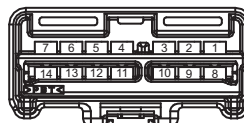
GB-068  
B



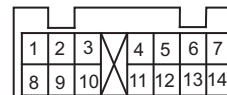
B-069  
W



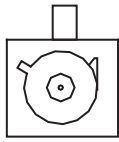
B-070  
Y



B-071  
W



T-020  
W



(B-072)



(B-073)  
W



(B-074)  
L



(T-018)  
L



(B-075)  
B



(GB-079)  
B



(GB-080)  
B



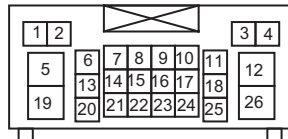
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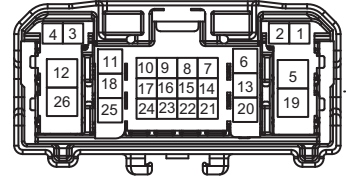
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B



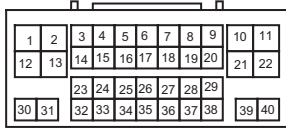
(I-054)  
Y



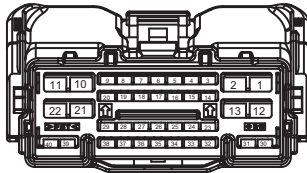
(B-084)  
W



(I-057)  
W



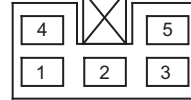
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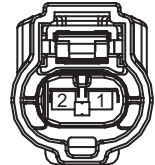
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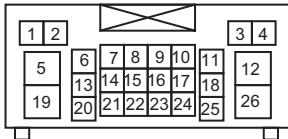
(GB-087)  
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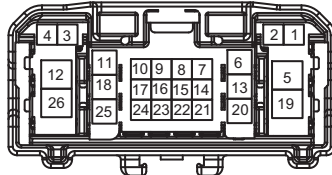
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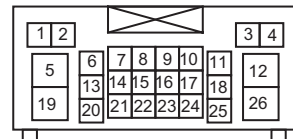
(B-093)  
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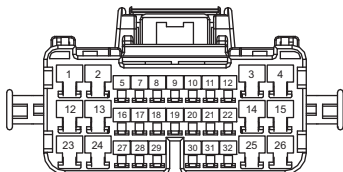
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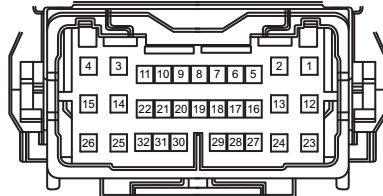
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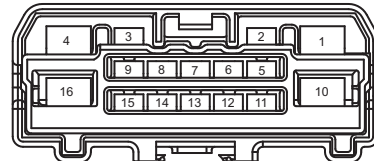
(B-095)  
W



(B-088)  
B



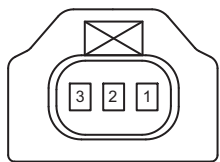
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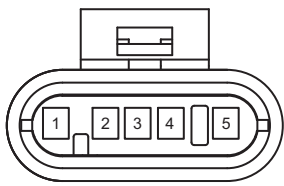
(L-001)  
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EPU004001

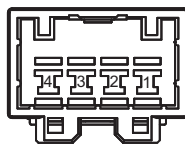




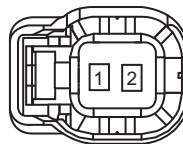
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B-098  
B



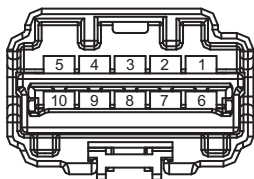
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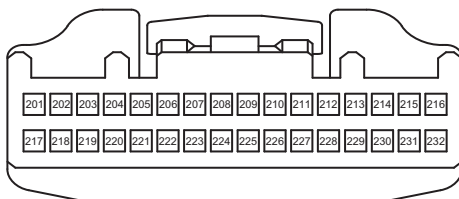
B-101  
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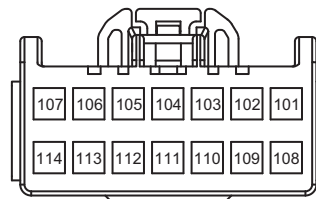
B-103  
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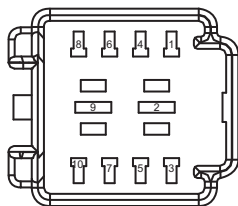
B-105  
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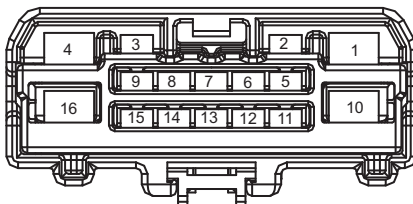
B-106  
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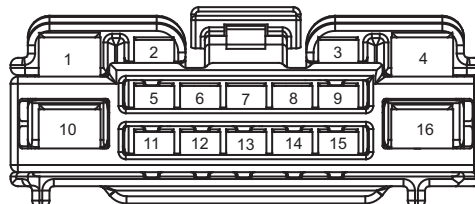
B-107  
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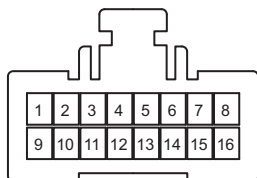
B-108  
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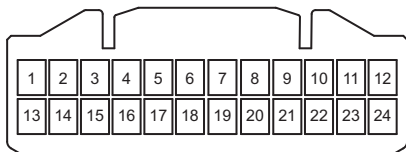
B-112  
W



T-019  
W



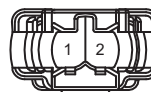
B-113  
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B-114  
W



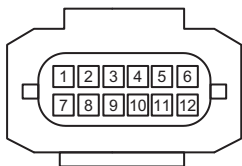
GB-115  
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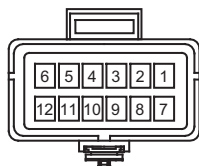
B-116  
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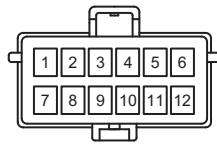
B-117  
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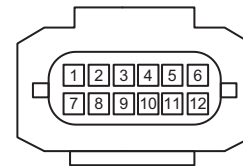
B-118  
B



B-119  
B

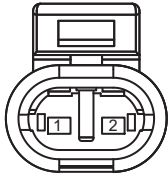


J-007  
B



B-120  
B

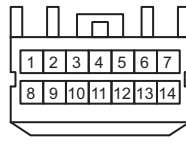
EPU005001



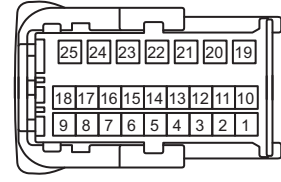
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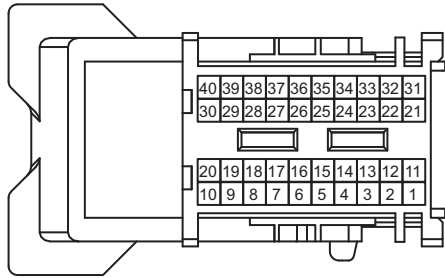
(B-140)  
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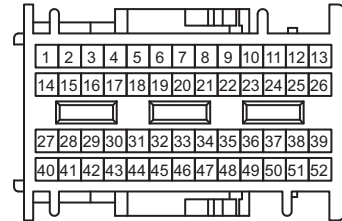
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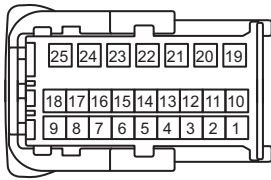
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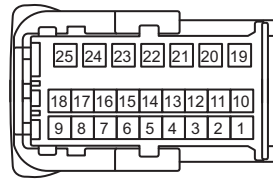
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(B-144)  
B



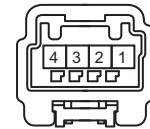
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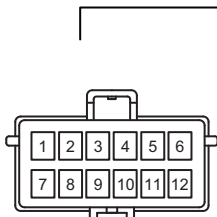
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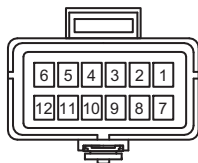
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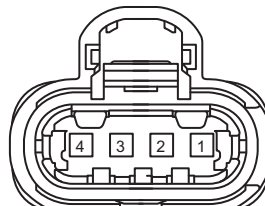
(B-148)  
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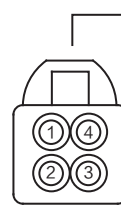
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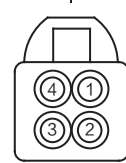
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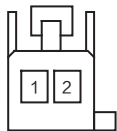
(B-157)  
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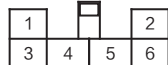
(B-161)  
B



(I-091)  
B



(B-158)  
B



(B-159)  
B



(B-160)  
B



(B-162)  
B

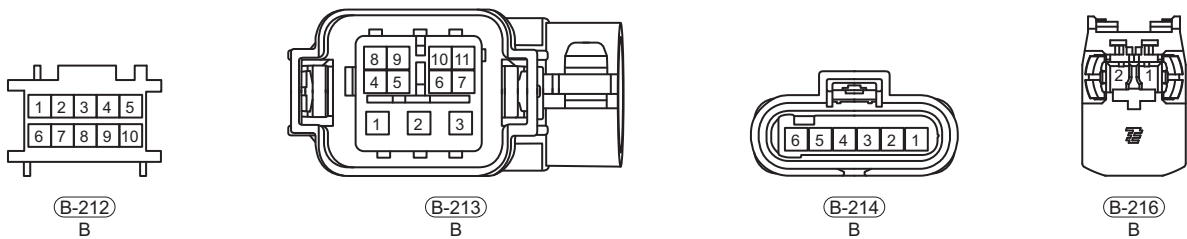
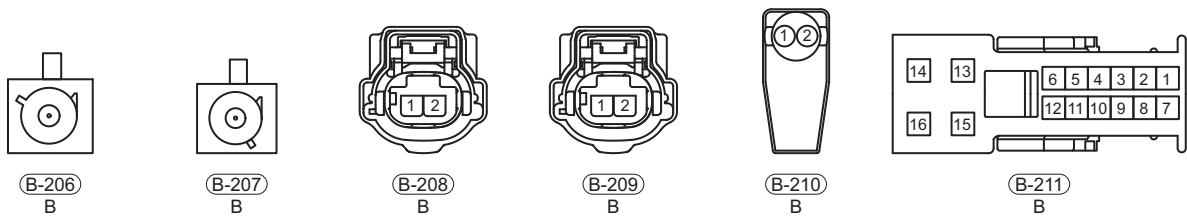
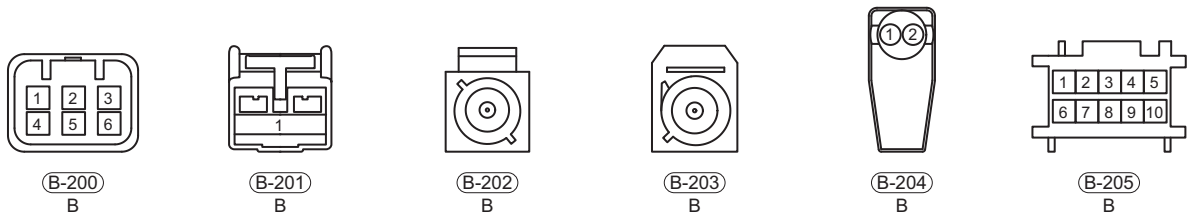
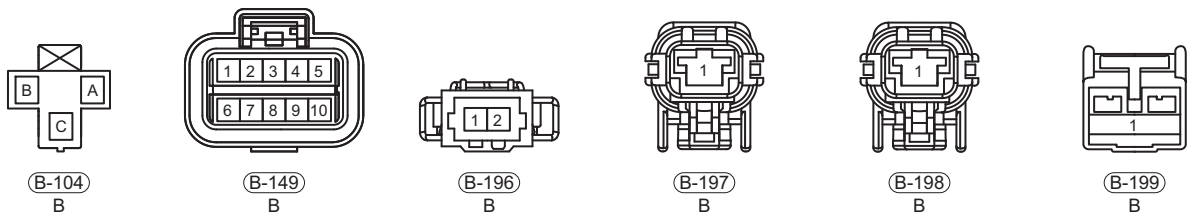
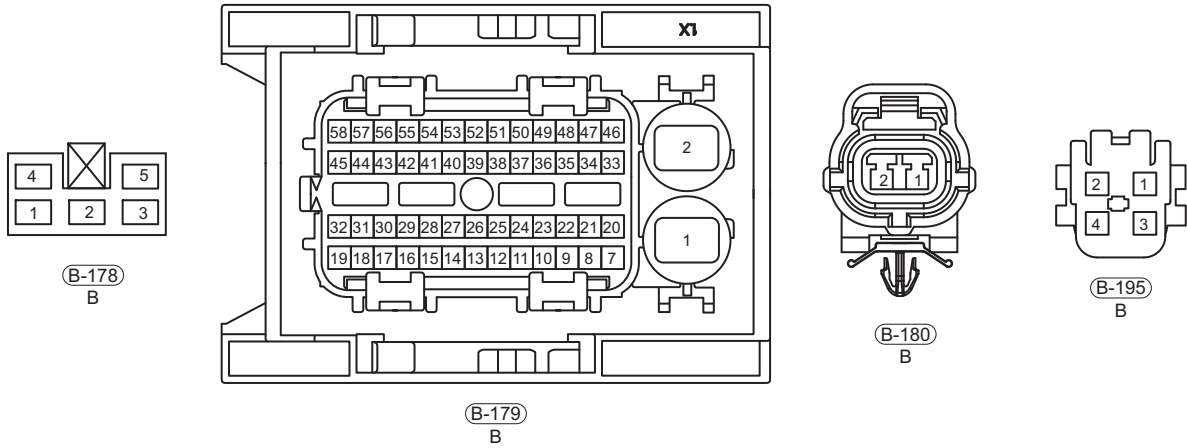


(I-103)  
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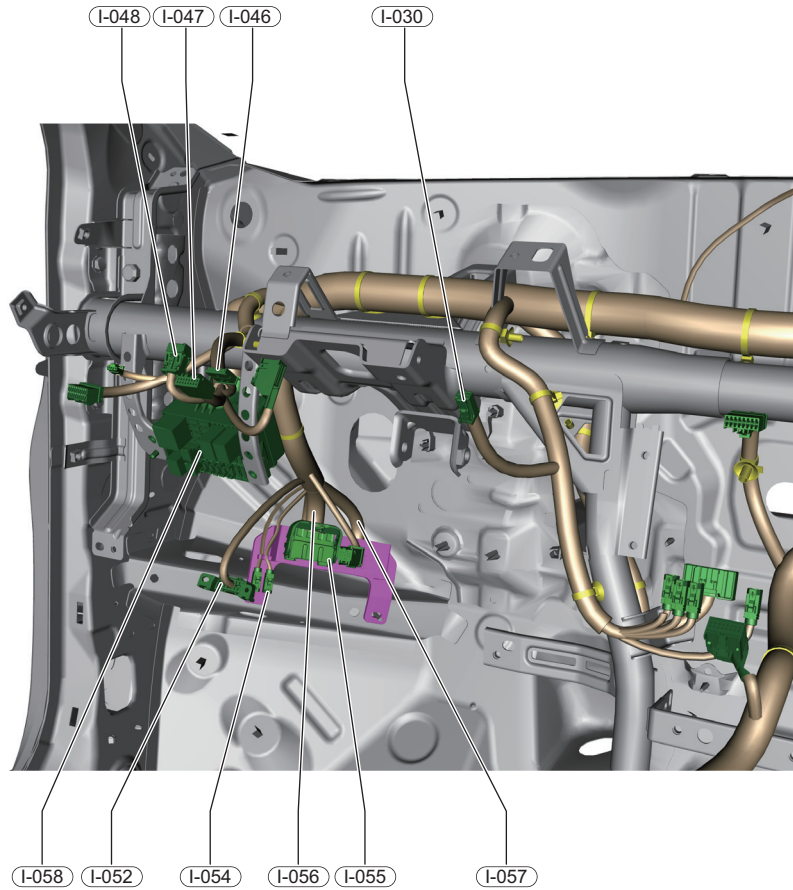
(B-163)  
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EPU007001



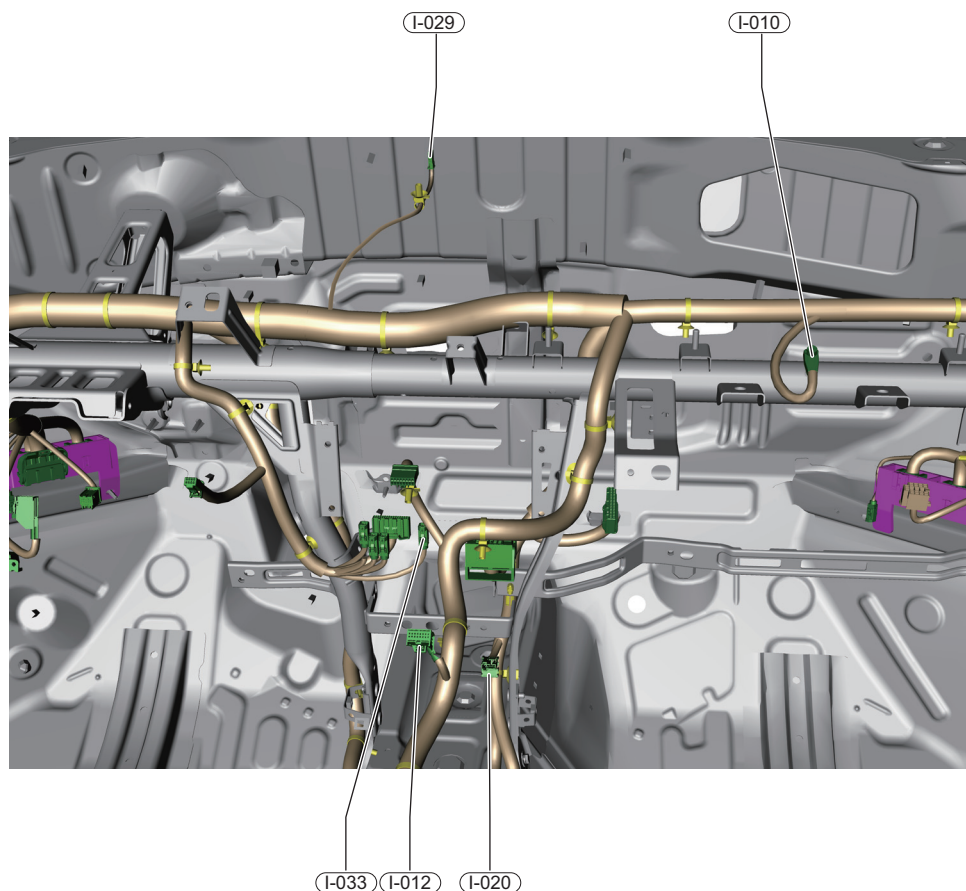
EPU007002

## Instrument Panel Wire Harness



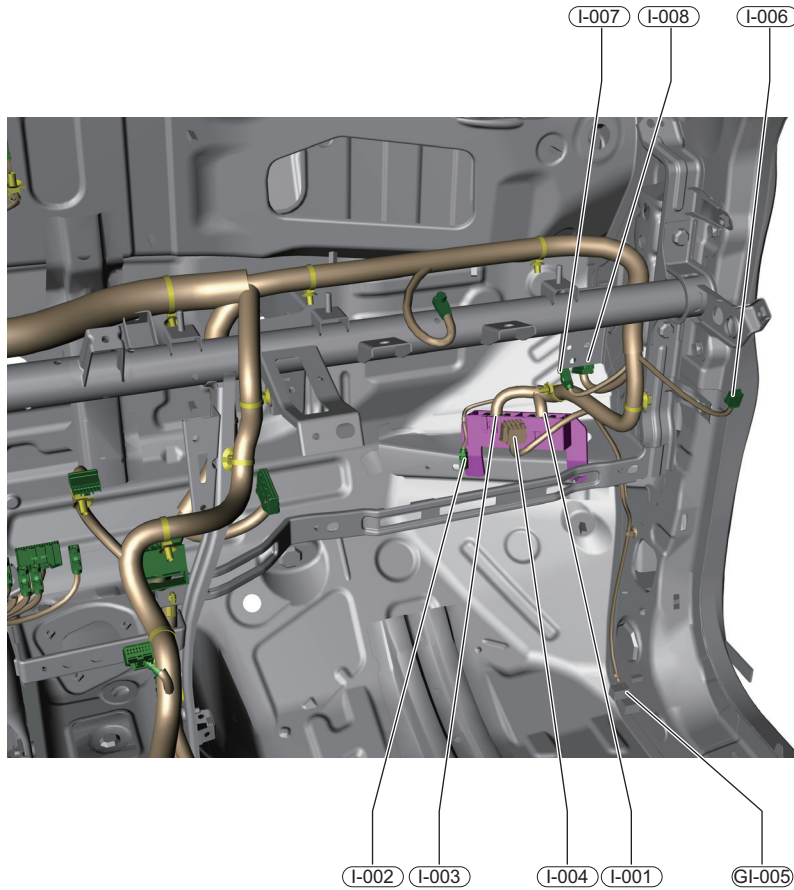
WHE025001

Connector Number	Connector Color/Pin	Connector Name
I-030	W/8	ENGINE START STOP Switch
I-046	B/6	Angle Sensor
I-047	W/16	Spiral Cable
I-048	B/10	Combination Switch
I-052	B/16	Diagnostic Interface
I-054	/	Driving Recorder Connector
I-055	W/40	Interior Wire Harness Interface 1
I-056	B/26	Interior Wire Harness Interface 2
I-057	W/26	Interior Wire Harness Interface 5
I-058	/	Instrument Panel Fuse Box



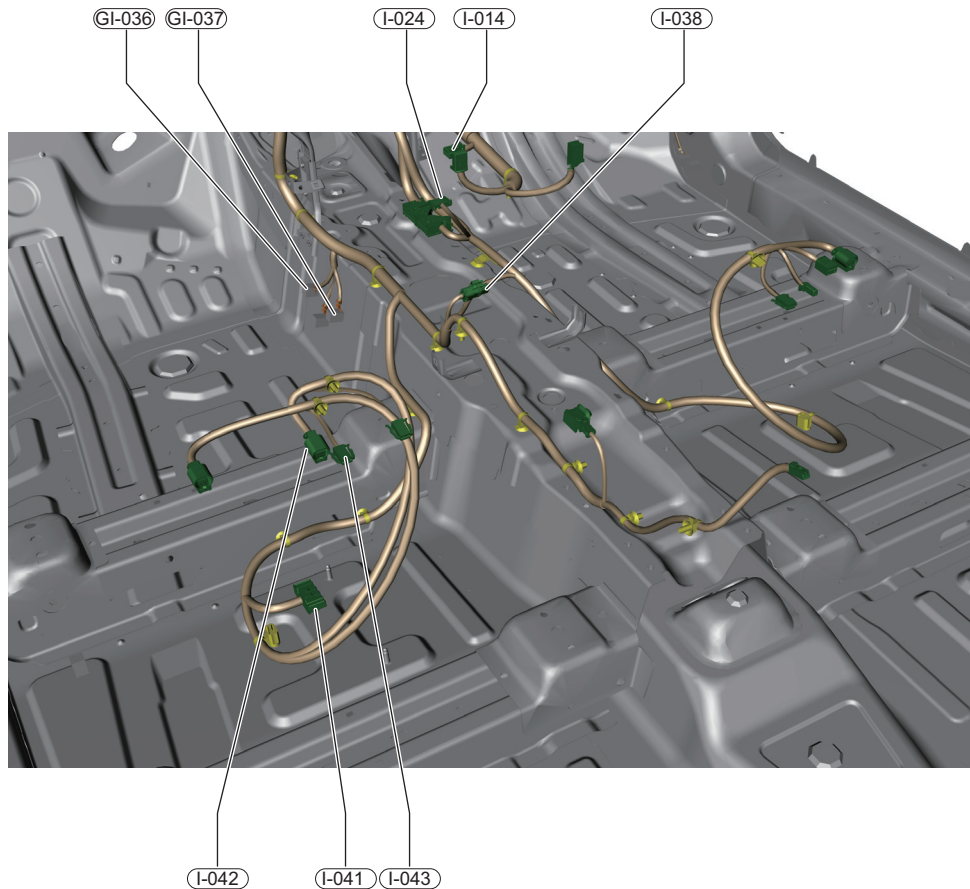
WHE026001

Connector Number	Connector Color/Pin	Connector Name
I-010	B/2	Front Passenger Airbag
I-012	Br/16	A/C Control Panel
I-020	B/2	Backup Power
I-029	B/4	Solar Sensor
I-033	/	Radio Antenna



WHE027001

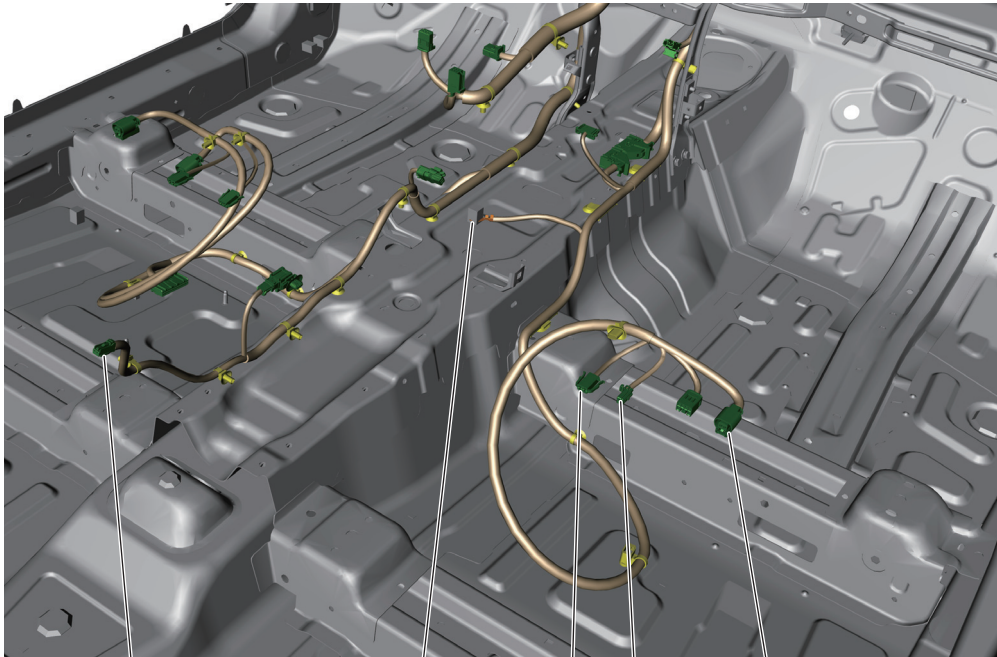
Connector Number	Connector Color/Pin	Connector Name
I-001	W/16	Interior Wire Harness Interface 3
I-002	/	Radio Antenna
I-003	W/14	Interior Wire Harness Interface 4
I-004	W/22	A/C Wire Harness Interface
GI-005	/	Ground G501
I-006	W/5	Instrument Panel Ambient Light
I-007	/	Video Signal Output
I-008	B/20	Central Gateway



WHE028001

Connector Number	Connector Color/Pin	Connector Name
I-014	Br/16	Auxiliary Fascia Console Main Switch
I-024	W/8	Mobile Phone Wireless Charging Module
GI-036	/	Ground G502
GI-037	/	Ground G503
I-038	B/2	Low Frequency Antenna (Instrument Panel)
I-041	W/40	ECALL Module
I-042	Y/2	Front Left Seat Side Airbag
I-043	B/2	Driver Seat Belt Switch

10



I-040

GI-025

I-026

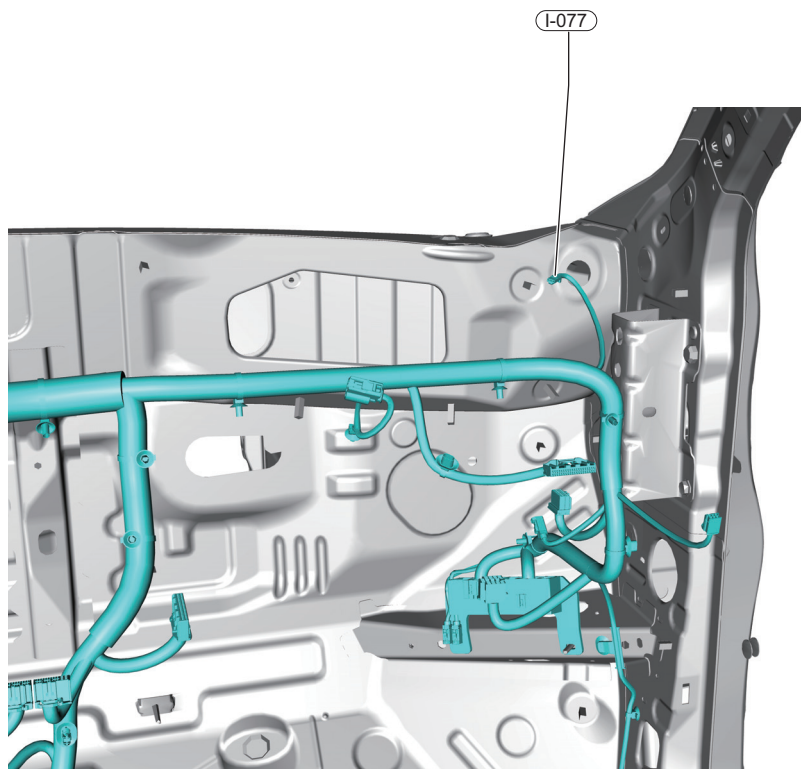
I-028

I-027

WHE029001

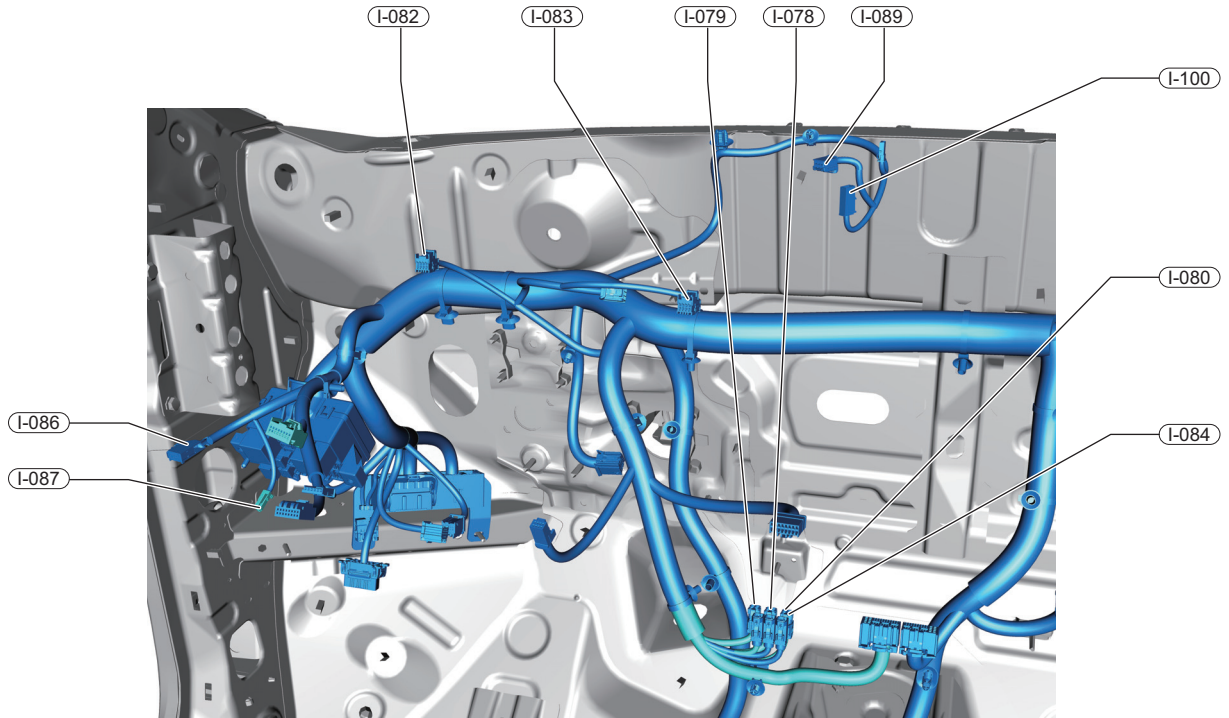
Connector Number	Connector Color/Pin	Connector Name
GI-025	/	Ground G504
I-026	B/2	Front Right Seat Belt Switch
I-027	Y/2	Front Right Seat Side Airbag
I-028	W/2	Front Passenger Detection
I-040	W/2	USB Charging Module





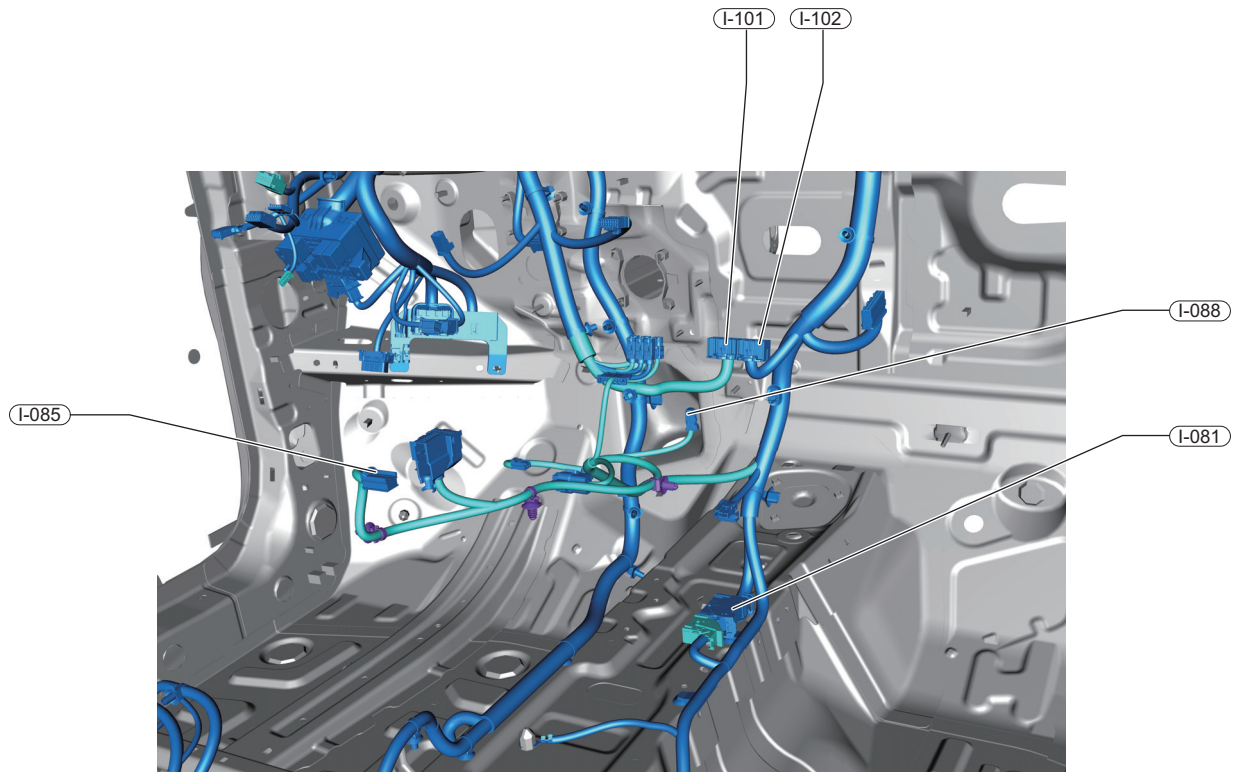
WHE027002

Connector Number	Connector Color/Pin	Connector Name
I-077	/4	Right Negative Ion Generator



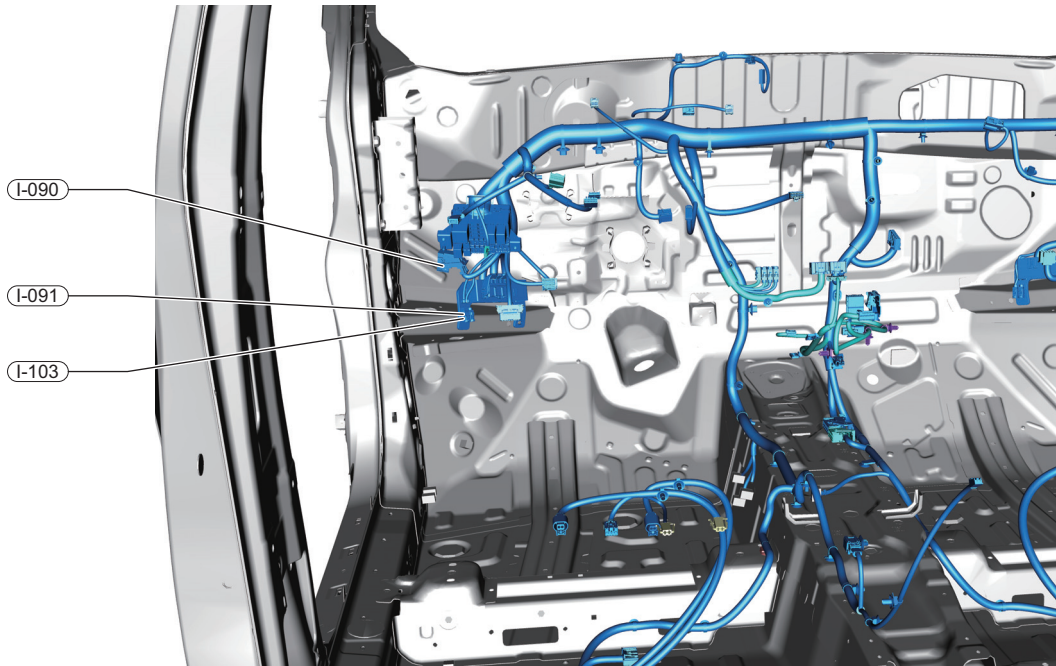
WHE027003

Connector Number	Connector Color/Pin	Connector Name
I-078	/4	Driving Recorder
I-079	/4	HD AVM Four-in-one Antenna
I-080	/4	Video Output Four-in-one
I-082	/8	Instrument Panel Display
I-083	/8	Audio Display
I-084	/4	HD Reversing View
I-086	/10	Drive Assist Switch Assembly
I-087	/4	Fragrance Sensor
I-089	/6	Middle Speaker Ambient Light 2
I-100	/2	Middle Speaker



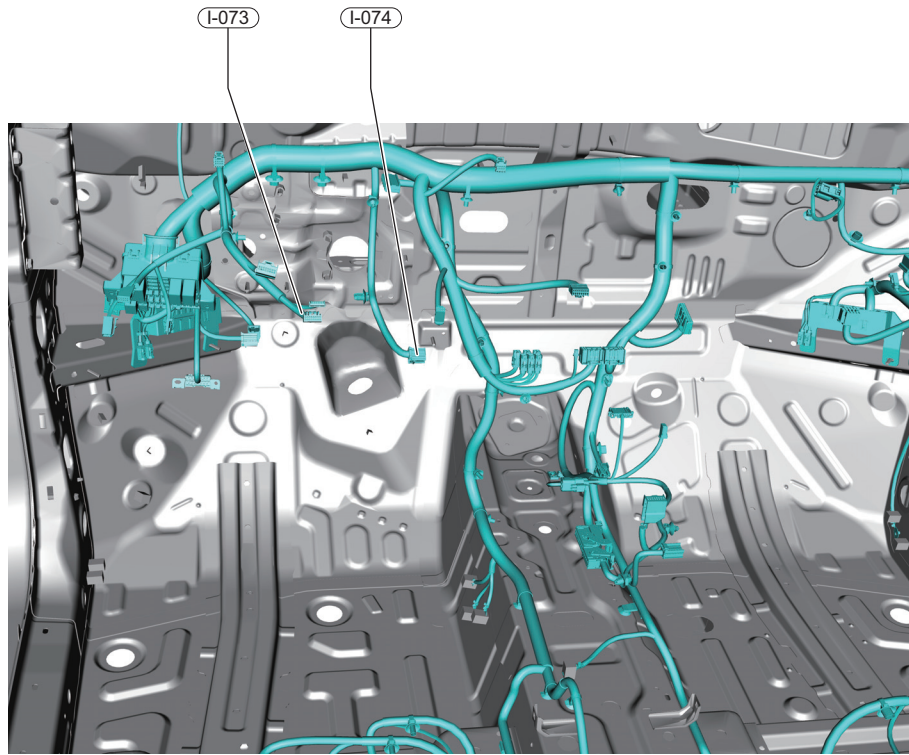
WHE027004

Connector Number	Connector Color/Pin	Connector Name
I-081	B/54	Airbag Module
I-085	/6	Auxiliary Fascia Console Ambient Light
I-088	/2	USB3
I-101	/38	Audio Head Unit A
I-102	/35	Audio Head Unit B



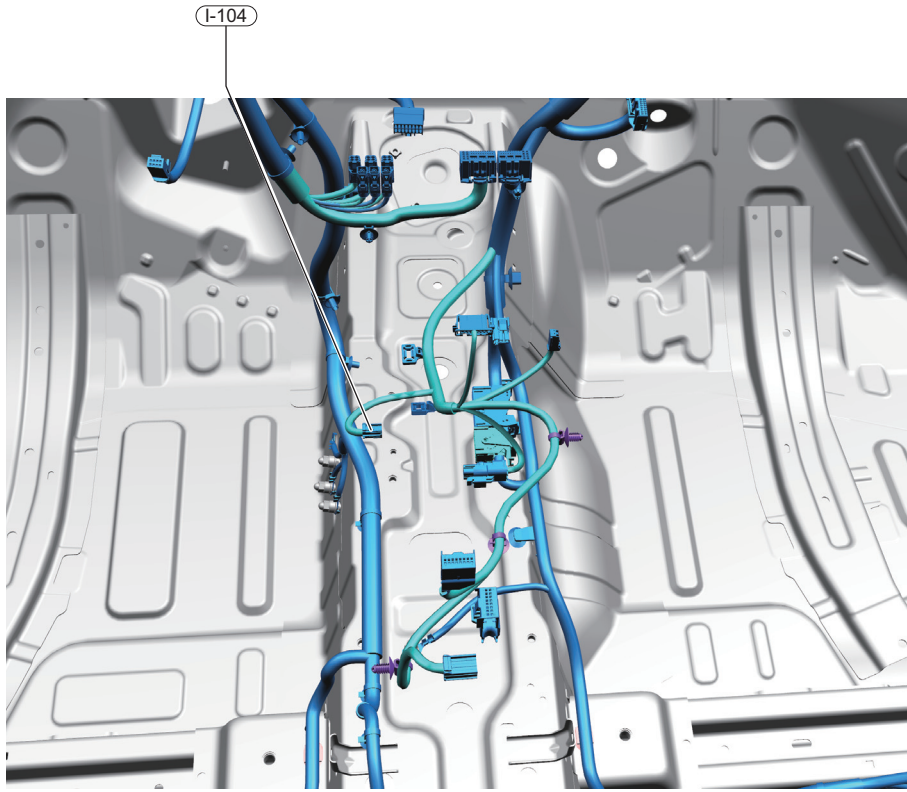
WHE027005

Connector Number	Connector Color/Pin	Connector Name
I-090	/40	Body Control Module BDM4
I-091	/4	Instrument Panel Wire Harness to Interior Wire Harness (HD AVM Four-in-one Antenna)
I-103	/	Instrument Panel Wire Harness to Interior Wire Harness (HD Reversing View)



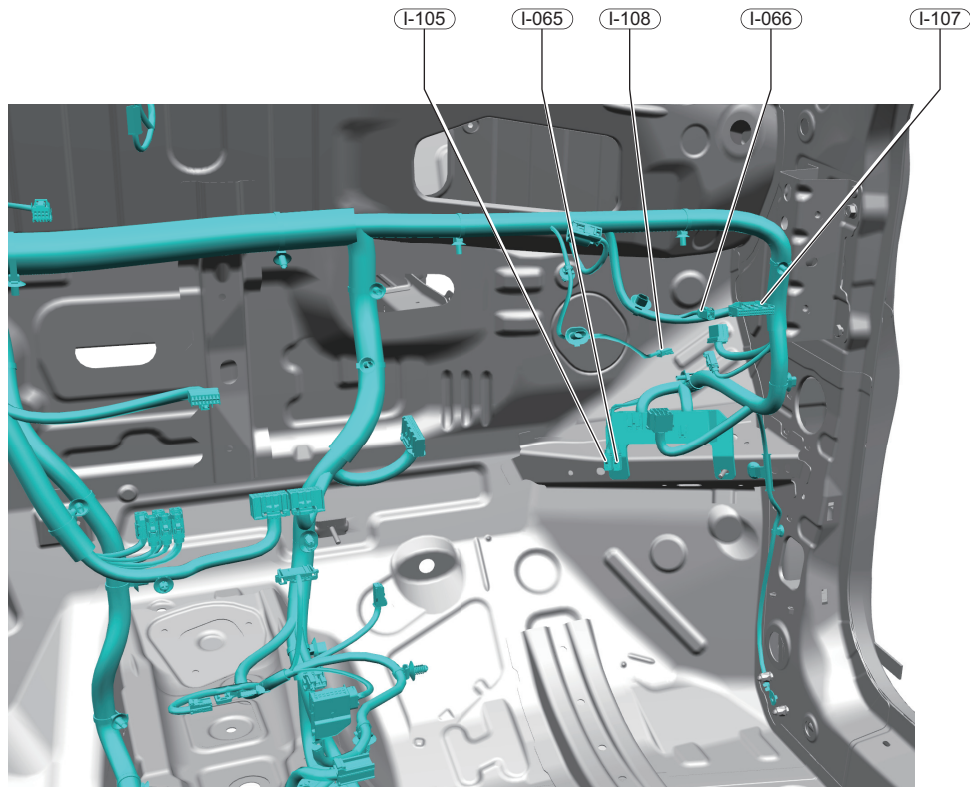
WHE027006

Connector Number	Connector Color/Pin	Connector Name
I-073	/2	Spiral Cable - Steering Wheel Heating
I-074	B/10	Electronic Power Steering (EPS-S)



WHE027007

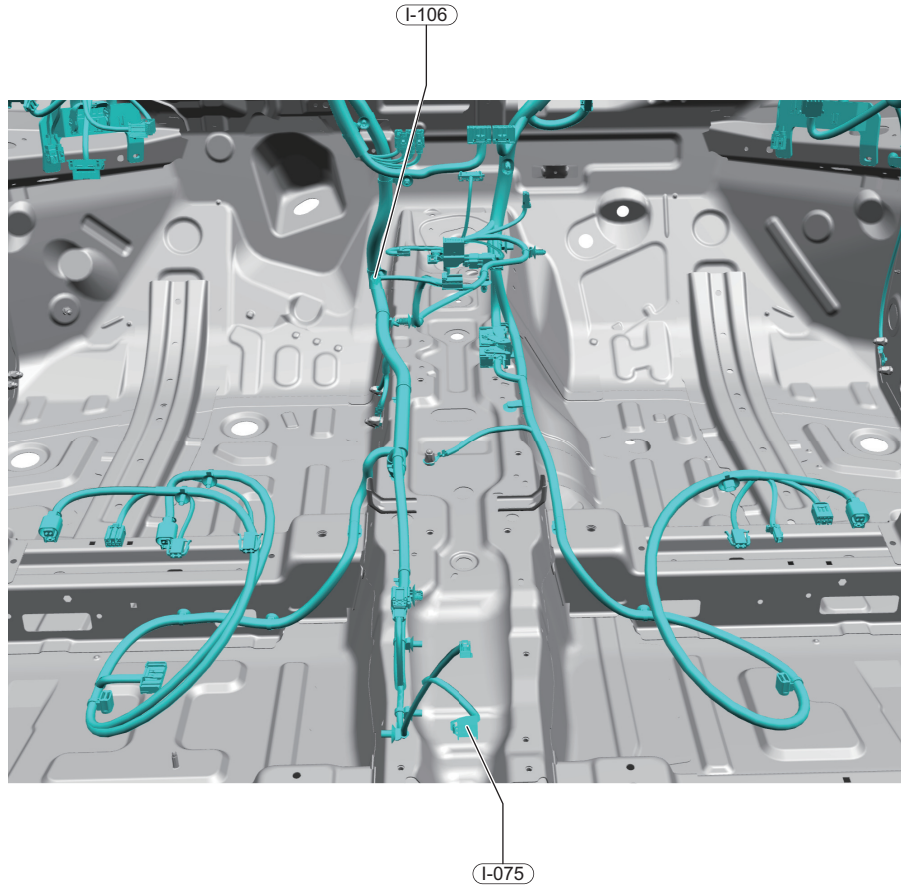
Connector Number	Connector Color/Pin	Connector Name
I-104	B/6	Map Light



WHE027008

Connector Number	Connector Color/Pin	Connector Name
I-065	/	Instrument Panel to Interior Wire Harness Interface (GPS Antenna)
I-066	/	GPS Antenna
I-105	/	DAB Antenna
I-107	/40	GLONASS
I-108	/2	Glove Box Light

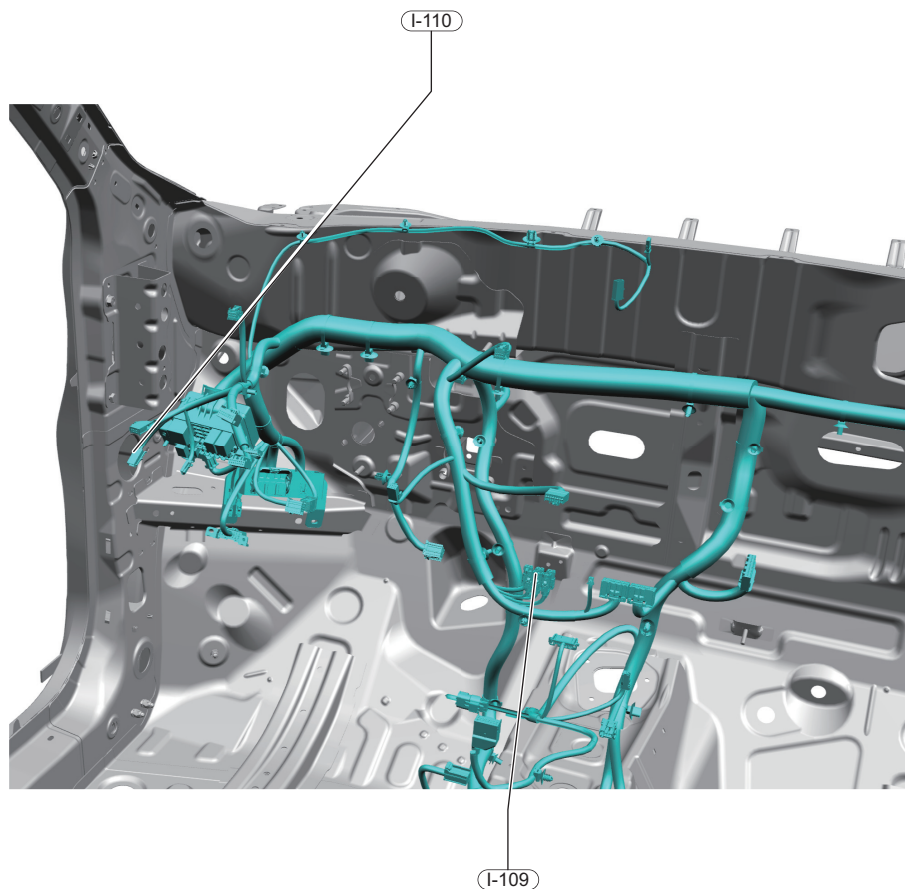
10



WHE027009

Connector Number	Connector Color/Pin	Connector Name
I-075	/10	Second Row Seat Heating Switch
I-106	/2	Armrest Box Light

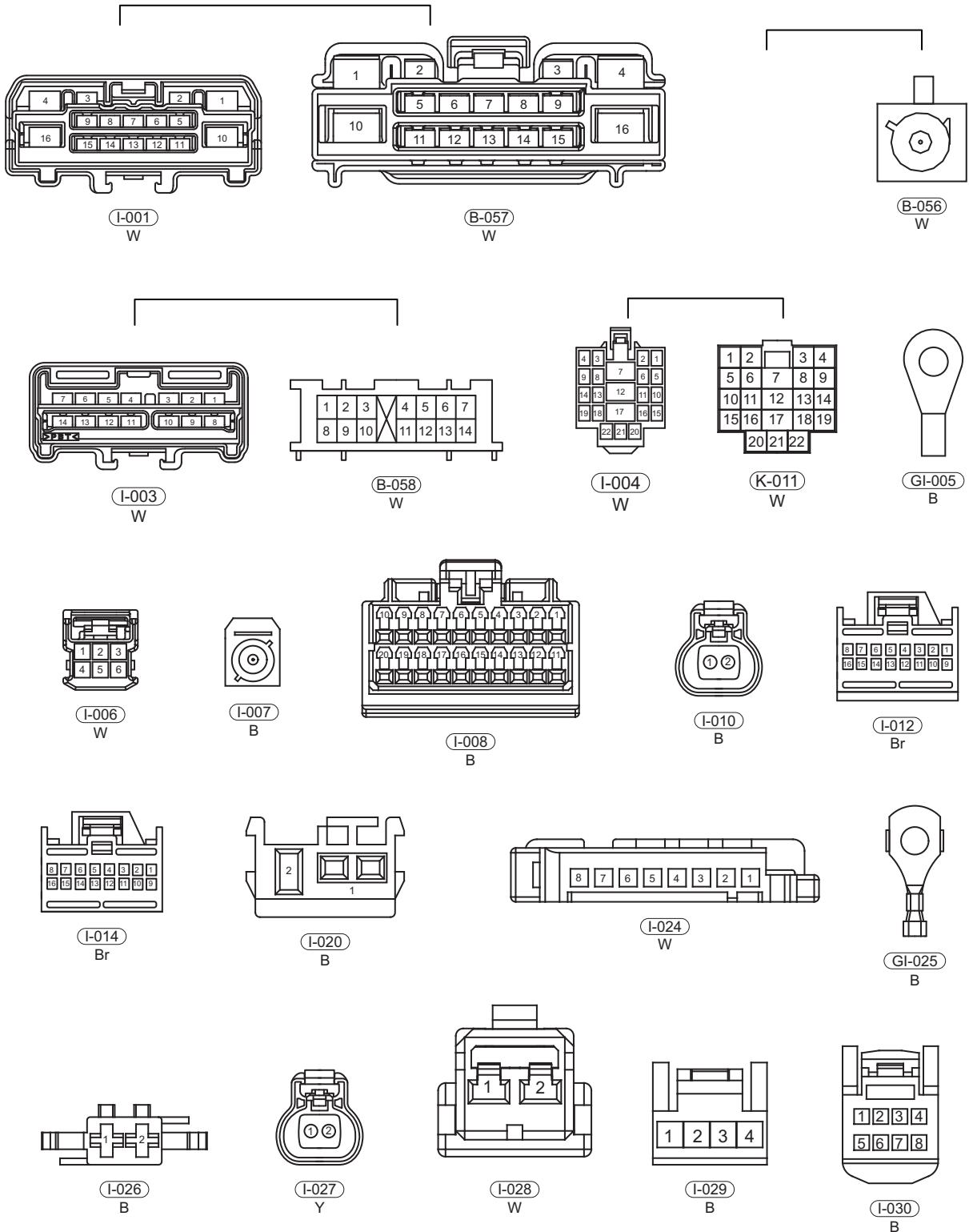




WHE027010

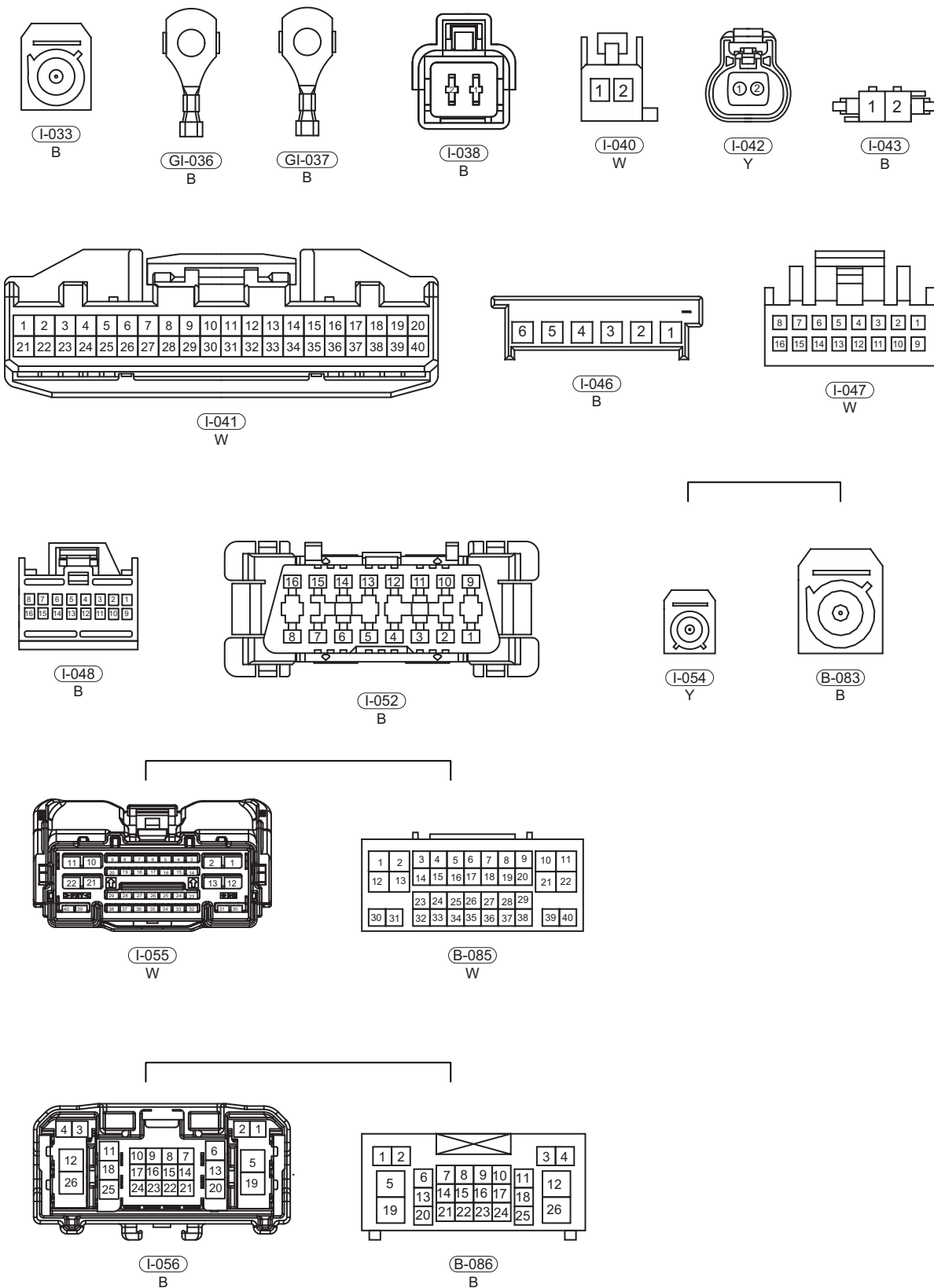
Connector Number	Connector Color/Pin	Connector Name
I-109	/10	Instrument Panel to Interior Wire Harness Interface (DAB Antenna)
I-110	/2	Speaker

# Instrument Wire Harness Connector List

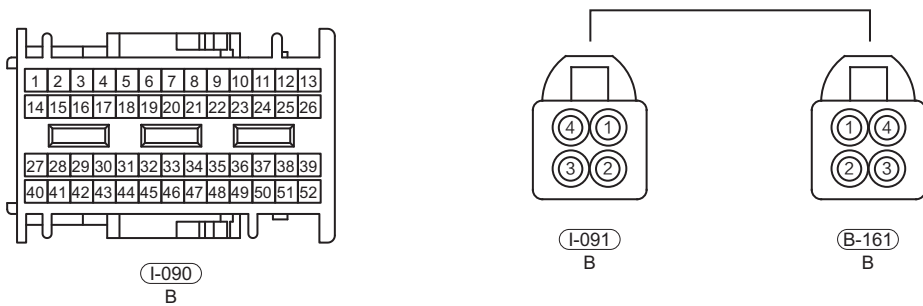
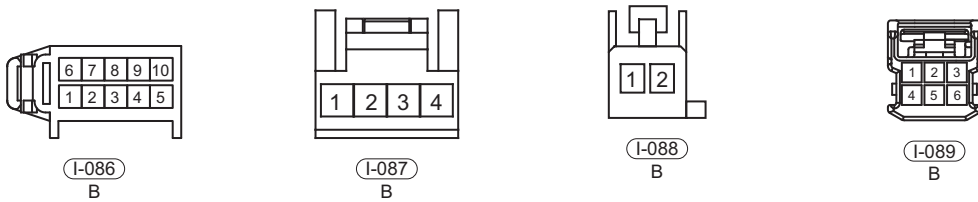
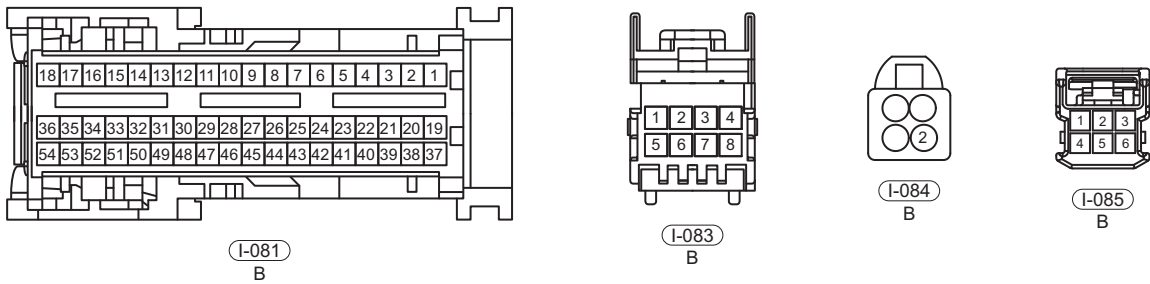
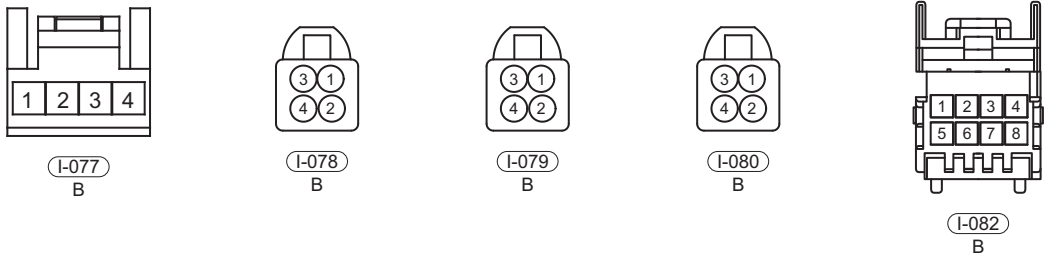
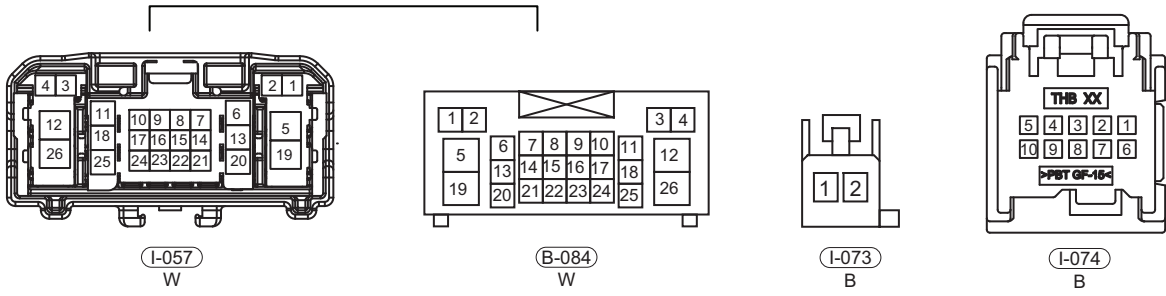


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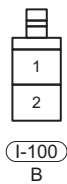
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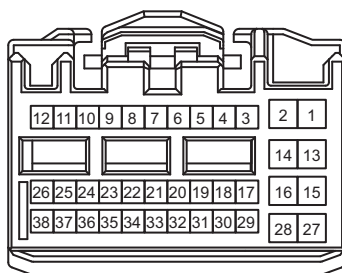
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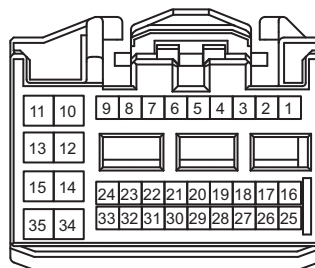
EPU010001



I-100  
B



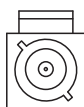
I-101  
Br



I-102  
B



I-103  
B



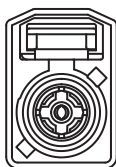
B-162  
B



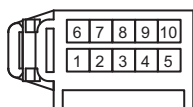
I-104  
W



I-065  
B



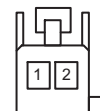
I-066  
B



I-075  
B



I-105  
B



I-106  
B



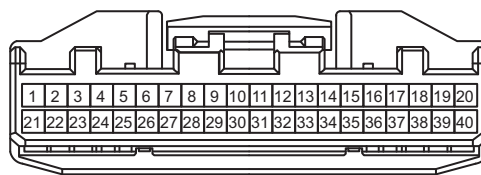
I-108  
B



I-109  
B



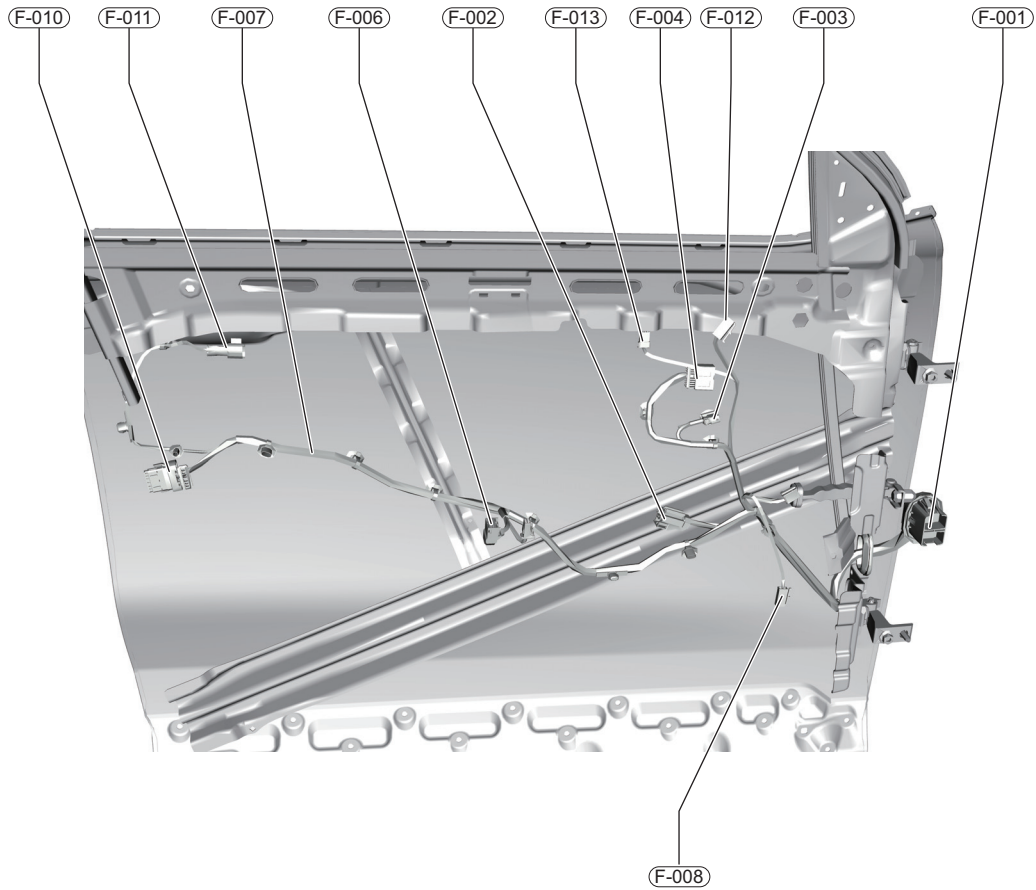
I-110  
B



I-107  
B

EPU010002

## Front Left Door Wire Harness



WHE030001

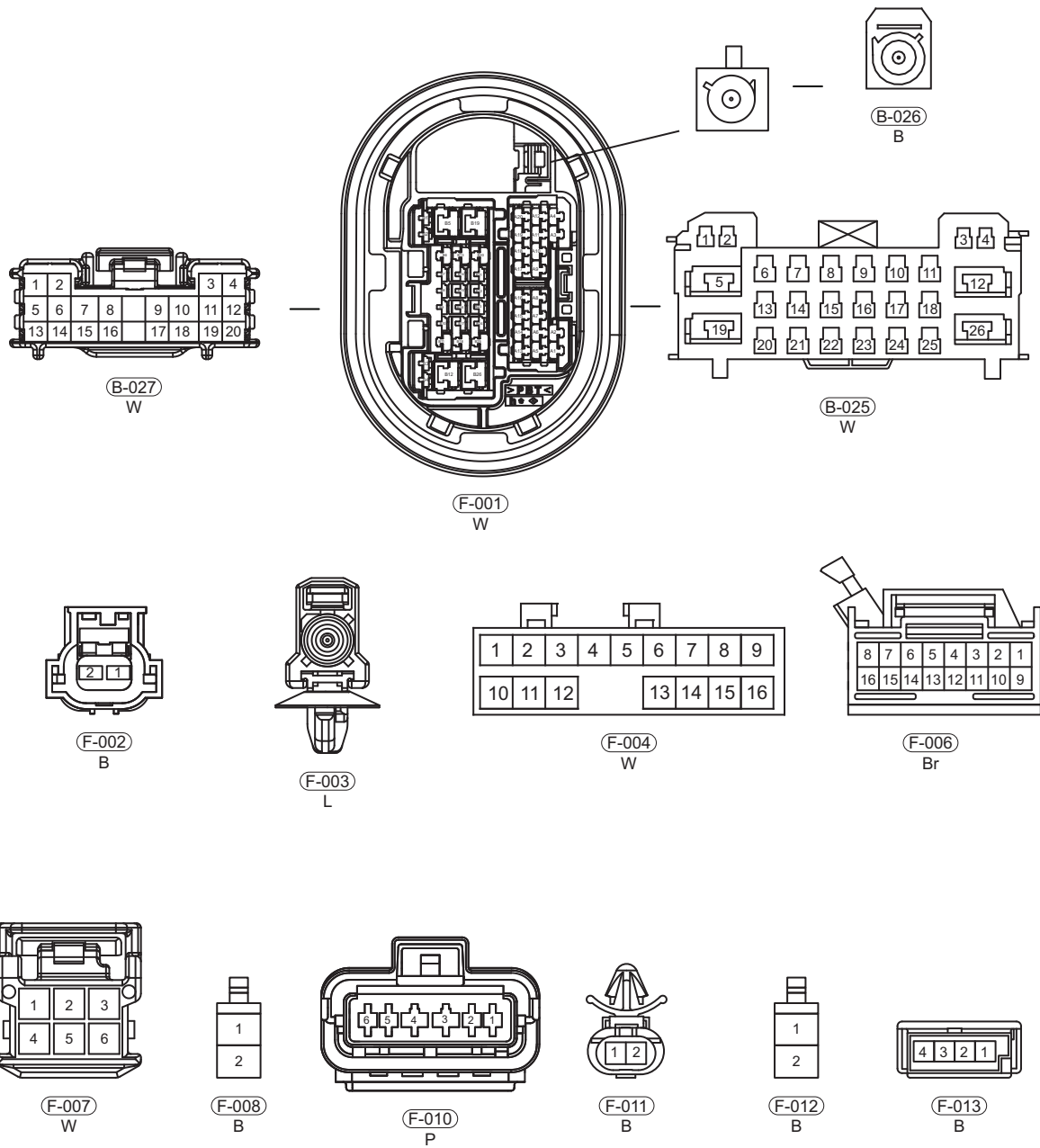
Connector Number	Connector Color/Pin	Connector Name
F-001	W/20(A)	Interior Wire Harness Interface
	/	Left HD Camera Antenna (AVM)
	W/26(B)	Interior Wire Harness Interface
F-002	B/2	Front Left Door Power Window Regulator
F-003	L/	Front Left HD Camera
F-004	W/16	Left Rear View Mirror Interface
F-006	Br/16	Four-door Glass Regulator Switch
F-007	W/6	Front Left Door Ambient Light
F-008	B/2	Front Left Woofer
F-010	P/6	Front Left Door Lock Motor (Front Left Door Contact Switch)
F-011	B/2	Front Left Door Handle Sensor



WHE030007

Connector Number	Connector Color/Pin	Connector Name
F-012	/2	Front Left Tweeter
F-013	/4	Front Left Memory Seat Switch

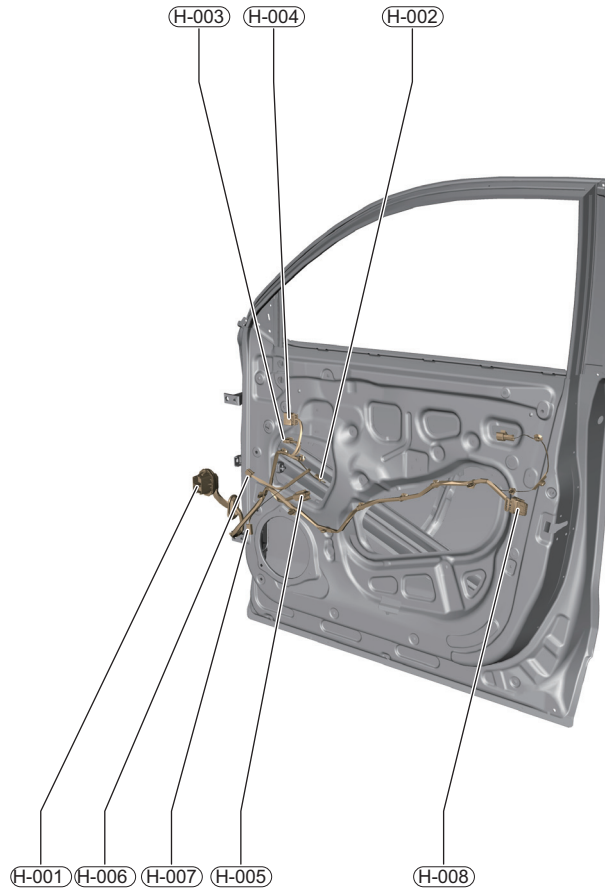
Front Left Door Wire Harness Connector List



10



## Front Right Door Wire Harness



WHE031001

Connector Number	Connector Color/Pin	Connector Name
H-001	W/20(A)	Interior Wire Harness Interface
	/	Right HD Camera Antenna (AVM)
	W/26(B)	Interior Wire Harness Interface
H-002	B/2	Front Right Door Power Window Regulator
H-003	L/	Front Right Door HD Camera
H-004	W/16	Rear View Mirror Interface
H-005	B/4	Front Right Door Glass Regulator Switch
H-006	W/6	Front Right Door Ambient Light
H-007	B/2	Front Right Woofer
H-008	P/6	Front Right Door Lock Motor (Front Right Door Contact Switch)

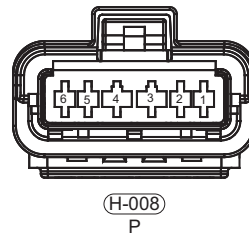
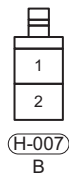
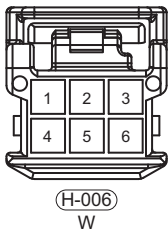
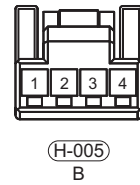
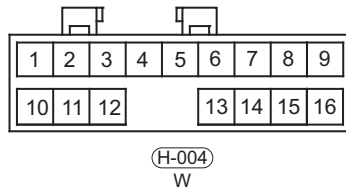
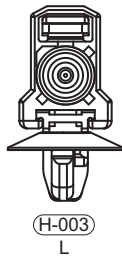
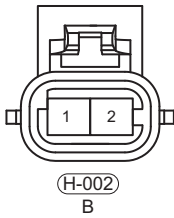
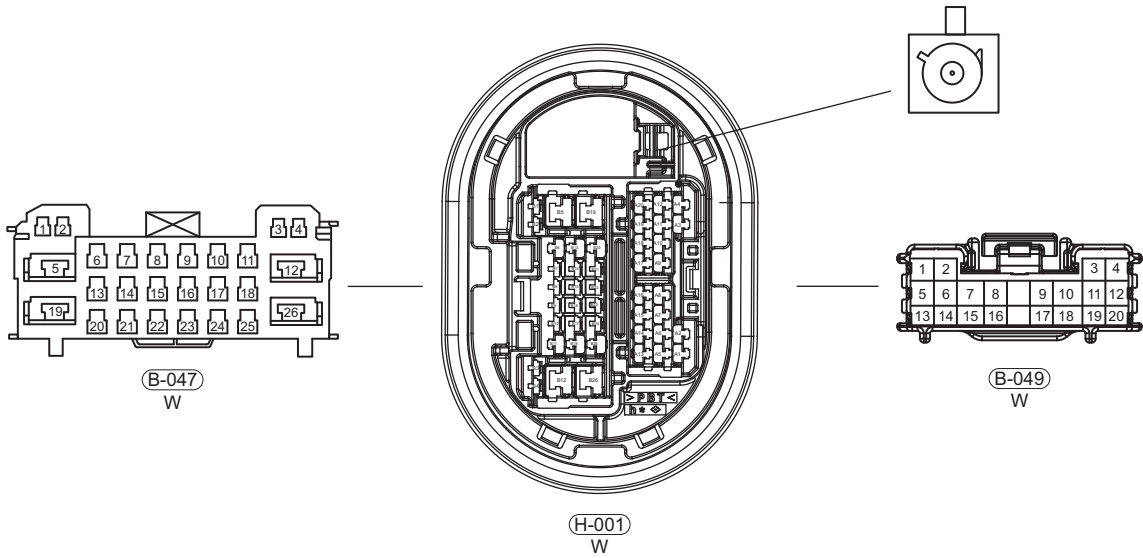
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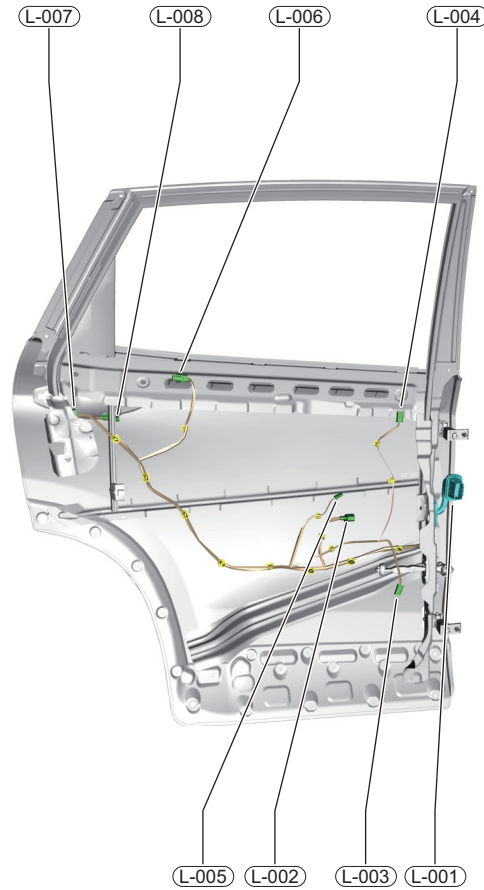
WHE031002

Connector Number	Connector Color/Pin	Connector Name
H-010	B/2	Front Right Tweeter

# Front Right Door Wire Harness Connector List

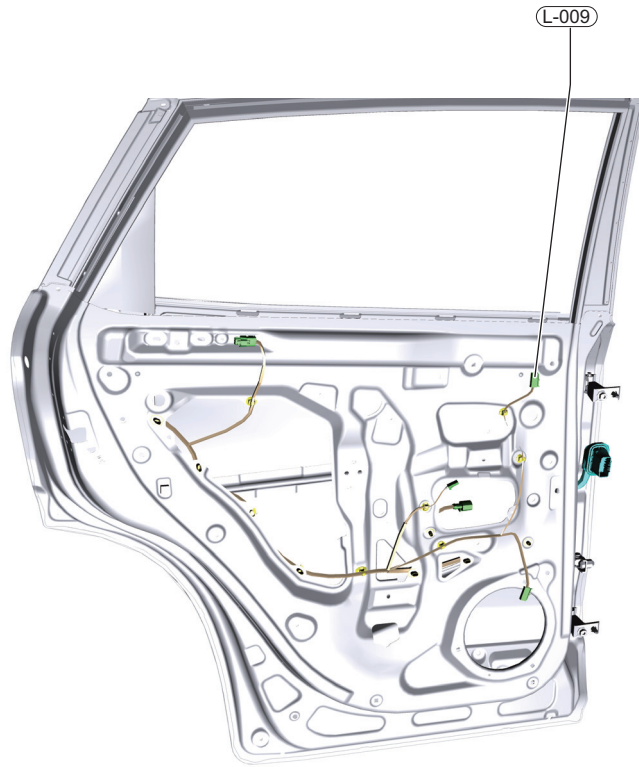


## Rear Left Door Wire Harness



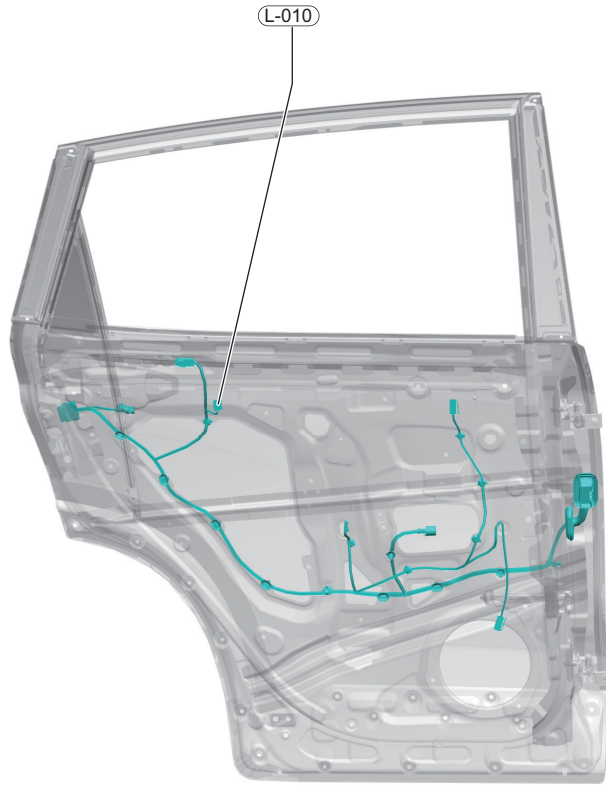
WHE032001

Connector Number	Connector Color/Pin	Connector Name
L-001	W/16	Interior Wire Harness Interface
L-002	B/2	Rear Left Door Glass Regulator Motor
L-003	B/2	Rear Left Woofer
L-004	B/2	Rear Left Tweeter
L-005	B/4	Rear Left Glass Regulator Switch
L-006	B/2	Rear Left Door High Performance Antenna
L-007	P/6	Door Lock Motor
L-008	/4	Rear Left Door Bluetooth



WHE032002

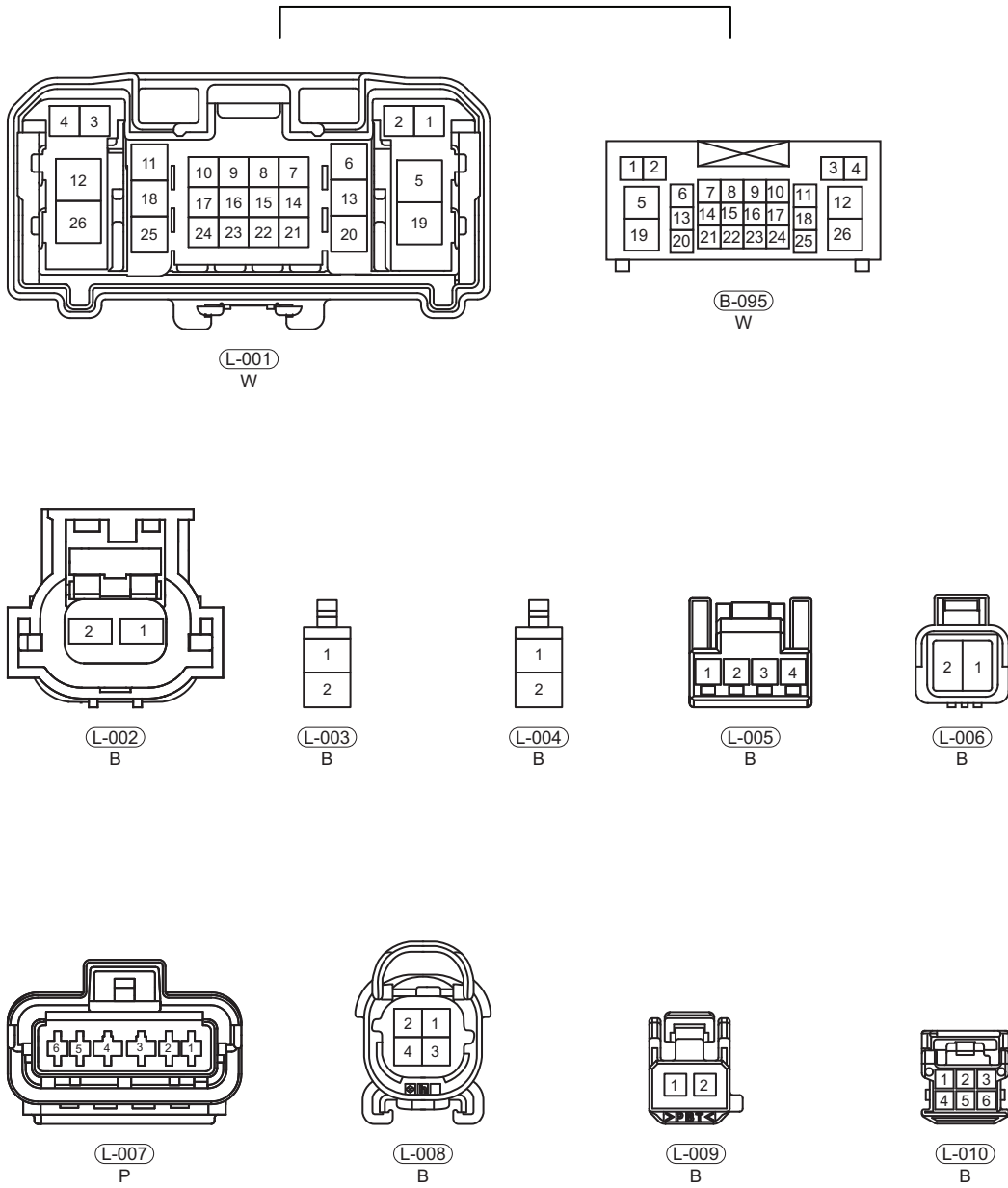
Connector Number	Connector Color/Pin	Connector Name
L-009	/2	Rear Left Door DOW Warning Light



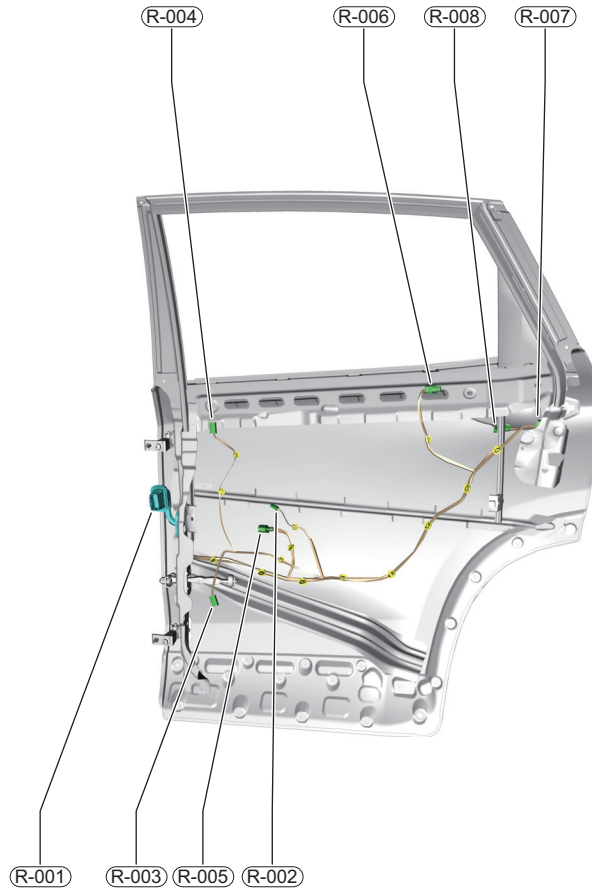
WHE032003

Connector Number	Connector Color/Pin	Connector Name
L-010	/6	Rear Left Door Ambient Light

# Rear Left Door Wire Harness Connector List



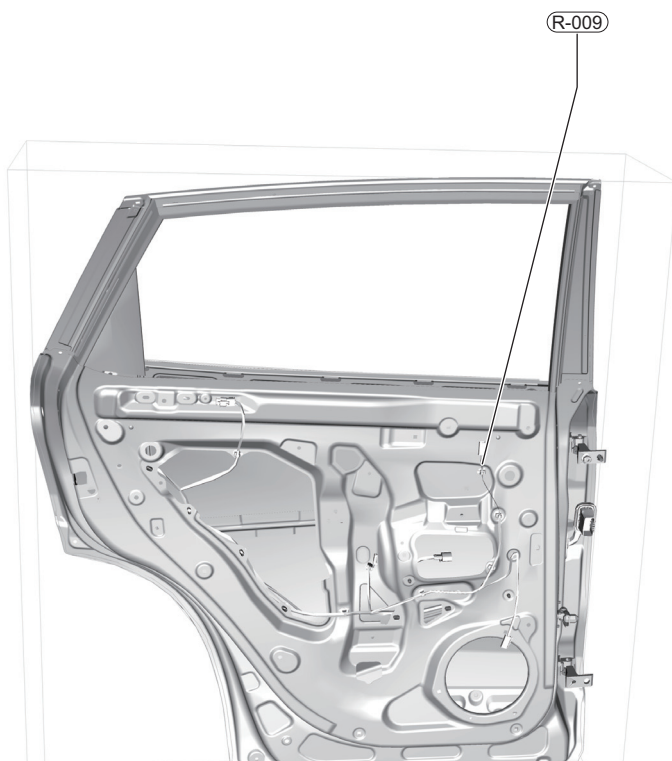
## Rear Right Door Wire Harness



WHE033001

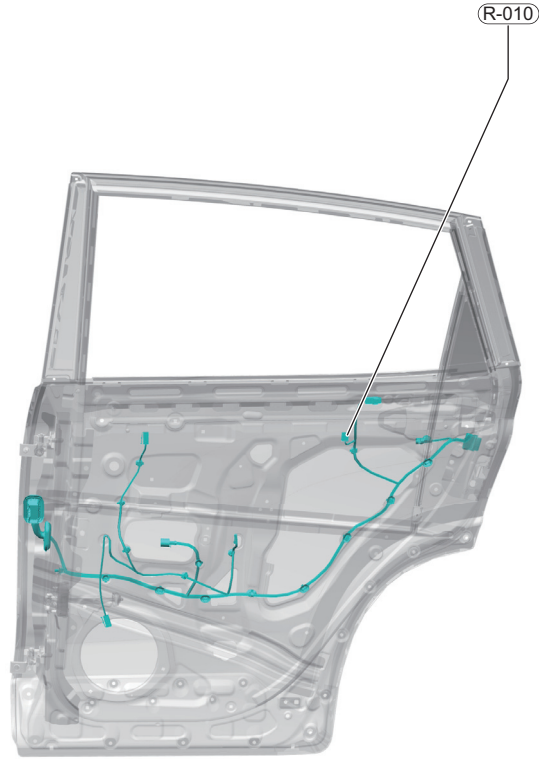
Connector Number	Connector Color/Pin	Connector Name
R-001	W/16	Interior Wire Harness Interface
R-002	B/2	Rear Left Glass Regulator Switch
R-003	B/2	Rear Left Woofer
R-004	B/2	Rear Left Tweeter
R-005	B/4	Rear Left Door Glass Regulator Motor
R-006	B/2	Rear Right Door High Performance Antenna
R-007	P/6	Door Lock Motor
R-008	/4	Rear Left Door Bluetooth





WHE033002

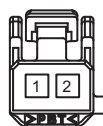
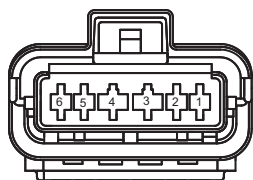
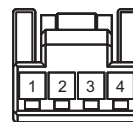
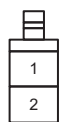
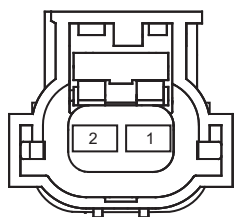
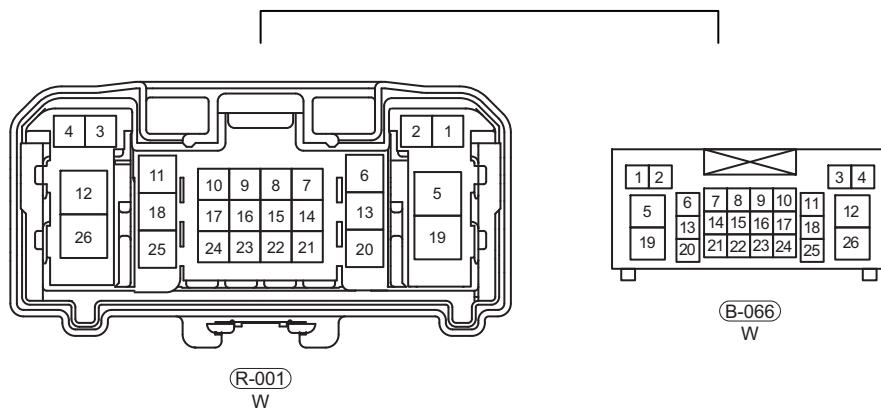
Connector Number	Connector Color/Pin	Connector Name
R-009	/2	Rear Right Door DOW Warning Light



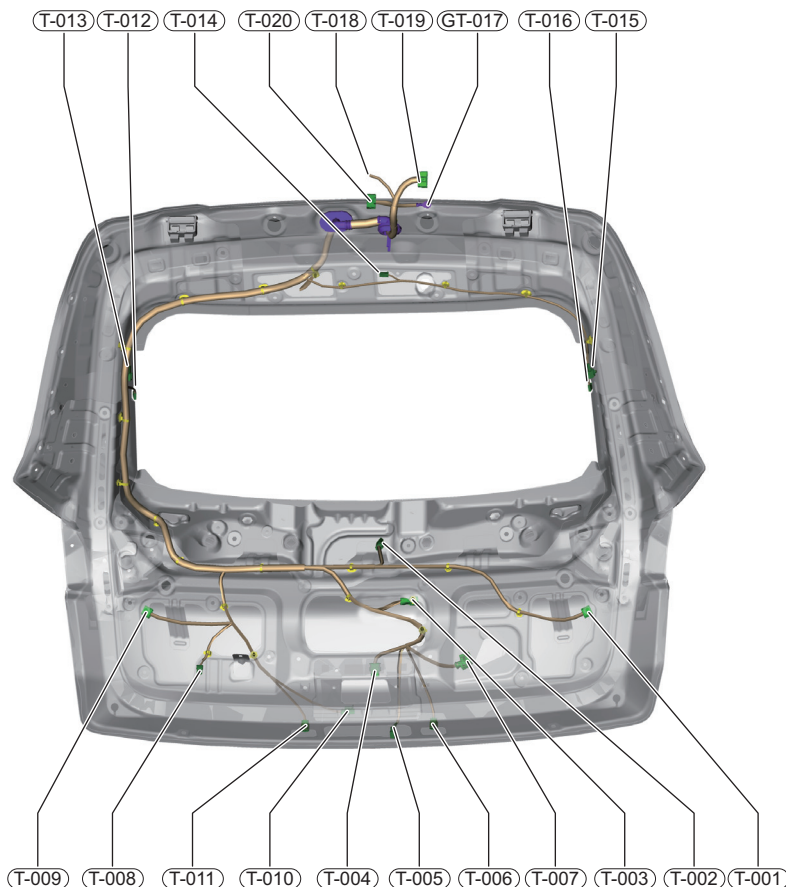
WHE033003

Connector Number	Connector Color/Pin	Connector Name
R-010	/6	Rear Right Door Ambient Light

# Rear Right Door Wire Harness Connector List



## Back Door Wire Harness

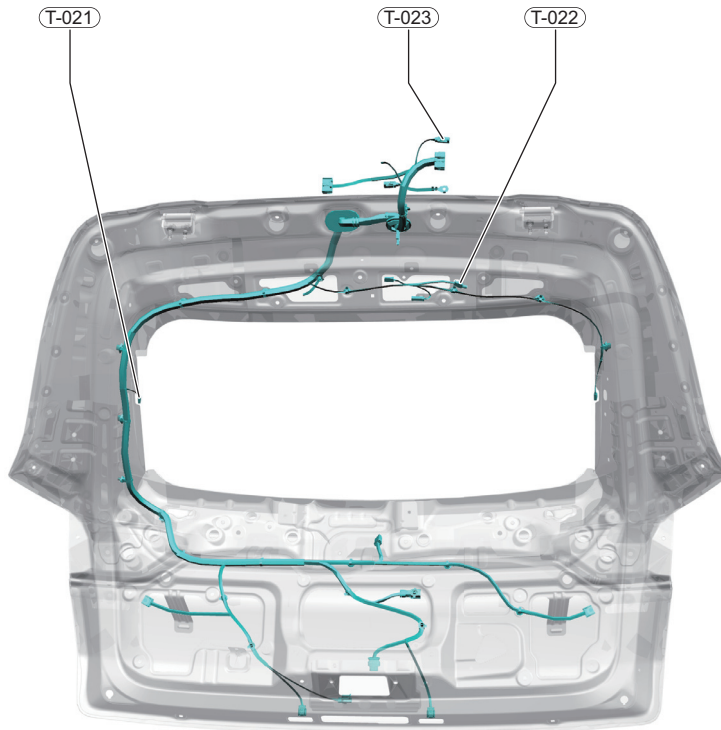


WHE039001

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Connector Number	Connector Color/Pin	Connector Name
T-001	W/10	Rear Left Combination Light (Back Door Part)
T-002	W/3	Rear Wiper Motor
T-003	B/4	Rear Camera
T-004	B/4	Back Door Lock
T-005	L/	Back Door HD Camera
T-006	B/2	Left License Plate Light
T-007	B/6	Self-engage Locker
T-008	B/4	Back Door Inside Switch
T-009	W/10	Rear Right Combination Light (Back Door Part)
T-010	B/2	Back Door Opener Switch
T-011	B/2	Right License Plate Light
T-012	B/	Rear Defroster Negative
T-013	W/2	Right Anti-pinch Sensor
T-014	W/2	High Mounted Stop Light
T-015	W/2	Left Anti-pinch Sensor
T-016	B/	Rear Defroster Positive

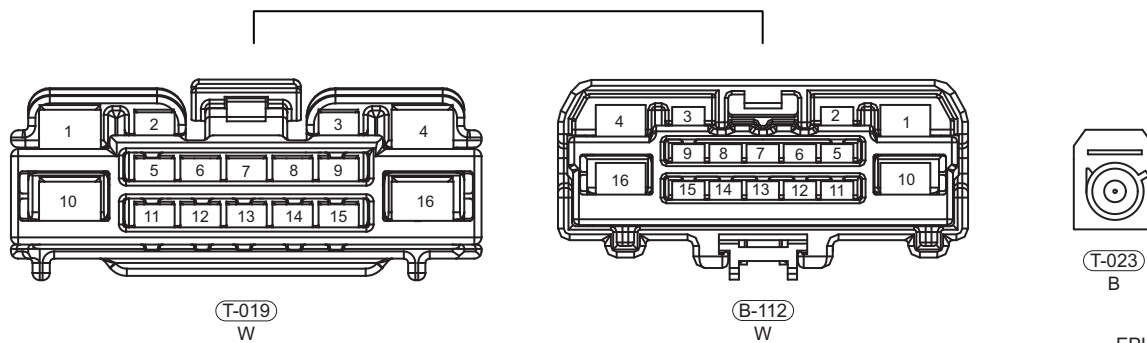
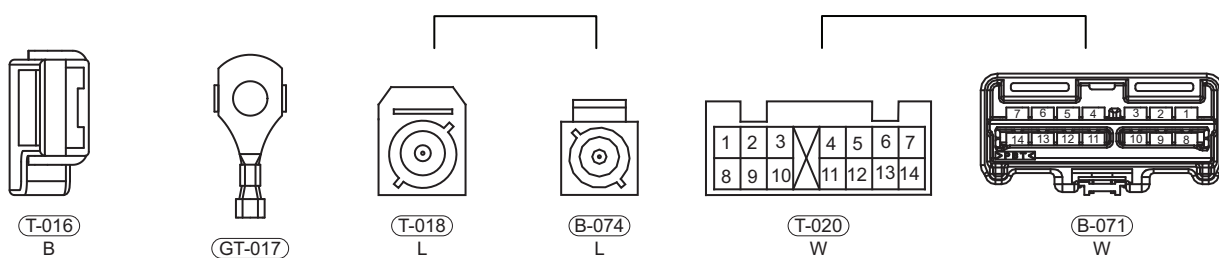
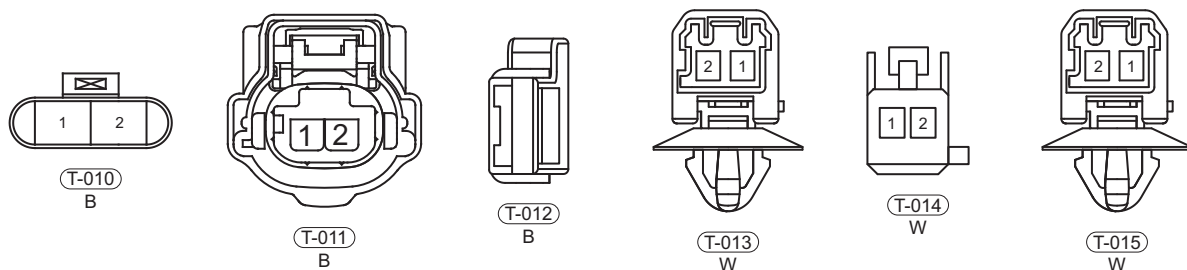
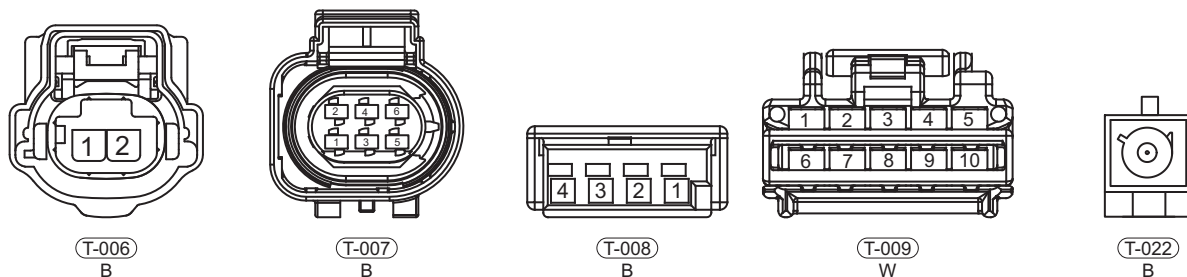
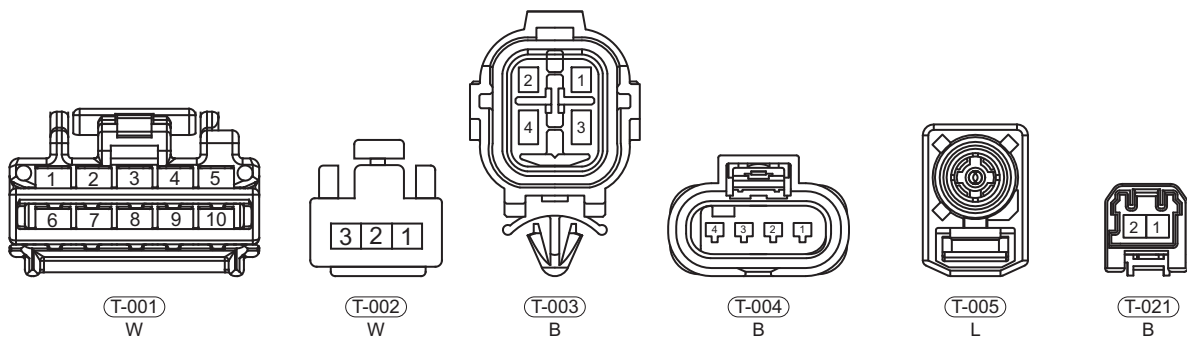
Connector Number	Connector Color/Pin	Connector Name
GT-017	/	Ground G701
T-018	L/	Back Door HD Camera Interface
T-019	W/16	Interior Wire Harness Interface 1
T-020	W/14	Interior Wire Harness Interface 2



WHE039002

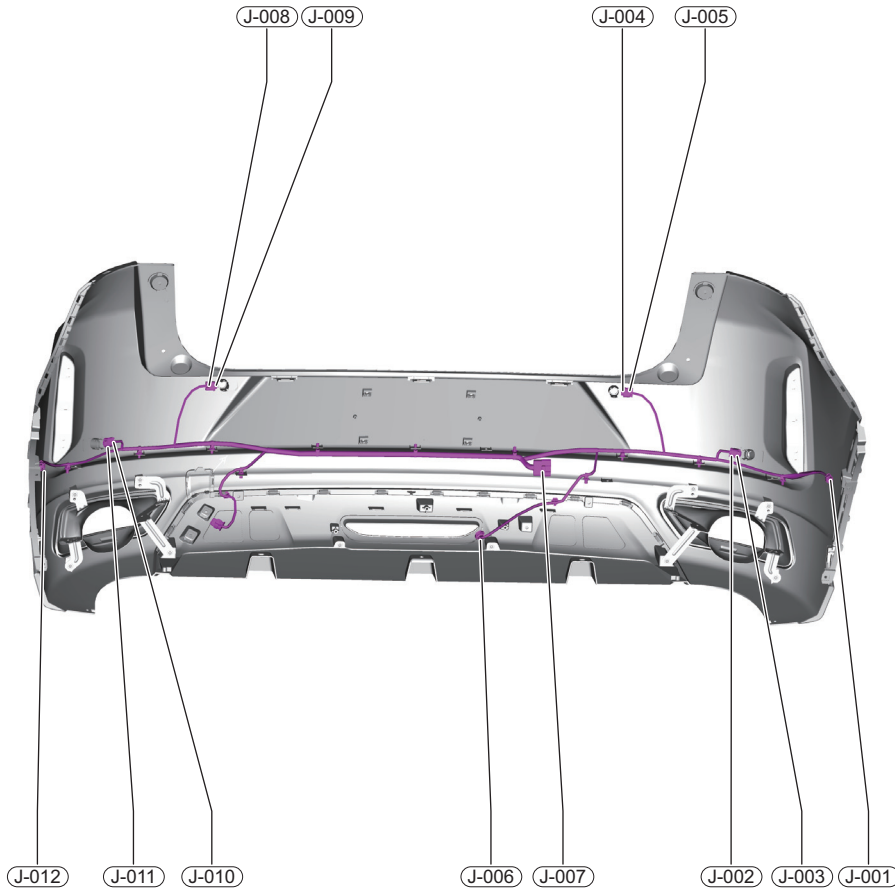
Connector Number	Connector Color/Pin	Connector Name
T-021	/	DAB Antenna Amplifier
T-022	/	DAB Antenna
T-023	/	DAB Antenna to Interior

### Back door Wire Harness Connector List



EPU017001

Rear Bumper Wire Harness

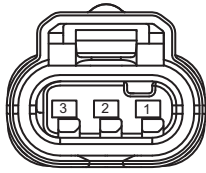


WHE034001

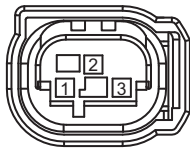
Connector Number	Connector Color/Pin	Connector Name
J-001	B/3	Rear Left Long Distance Ultrasonic Sensor
J-002	B/3	Rear Left Sensor
J-003	B/3	Rear Left Radar Sensor
J-004	B/3	Rear Left Center Sensor
J-005	B/3	Rear Left Center Radar Sensor
J-006	B/2	Rear Fog Light
J-007	B/12	Interior Wire Harness Interface
J-008	B/3	Rear Right Center Sensor
J-009	B/3	Rear Right Center Radar Sensor
J-010	B/3	Rear Right Sensor
J-011	B/3	Rear Right Radar Sensor
J-012	B/3	Rear Right Long Distance Ultrasound Sensor



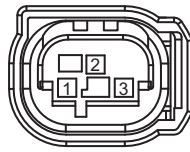
## Rear Bumper Wire Harness Connector List



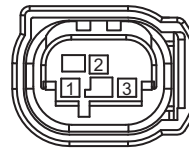
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B



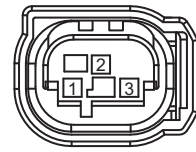
J-002  
B



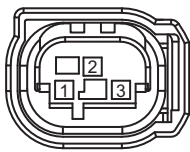
J-003  
B



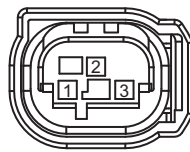
J-004  
B



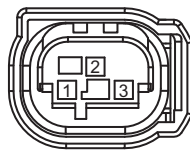
J-005  
B



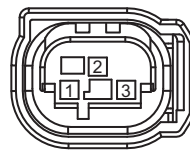
J-008  
B



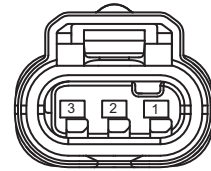
J-009  
B



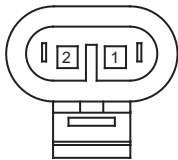
J-010  
B



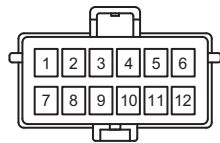
J-011  
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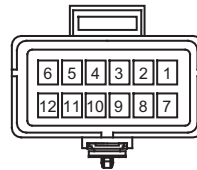
J-012  
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J-006  
B

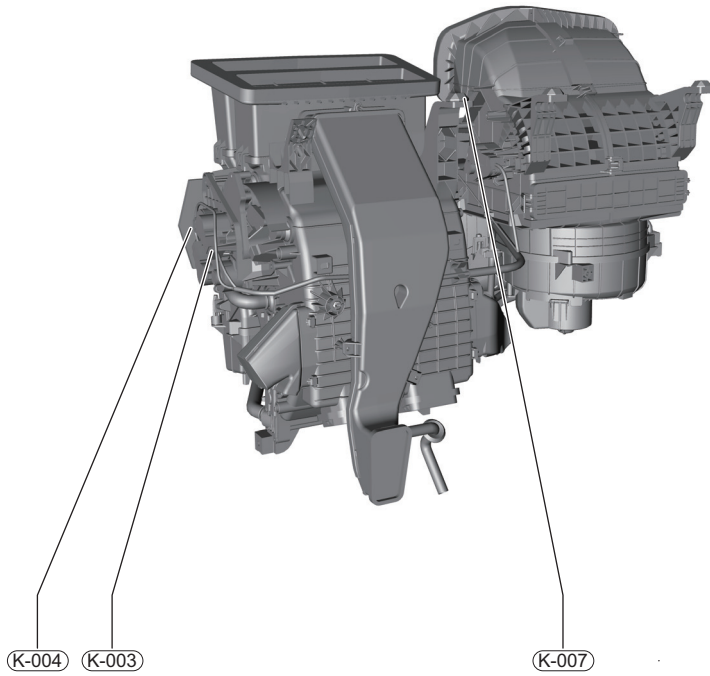


J-007  
B



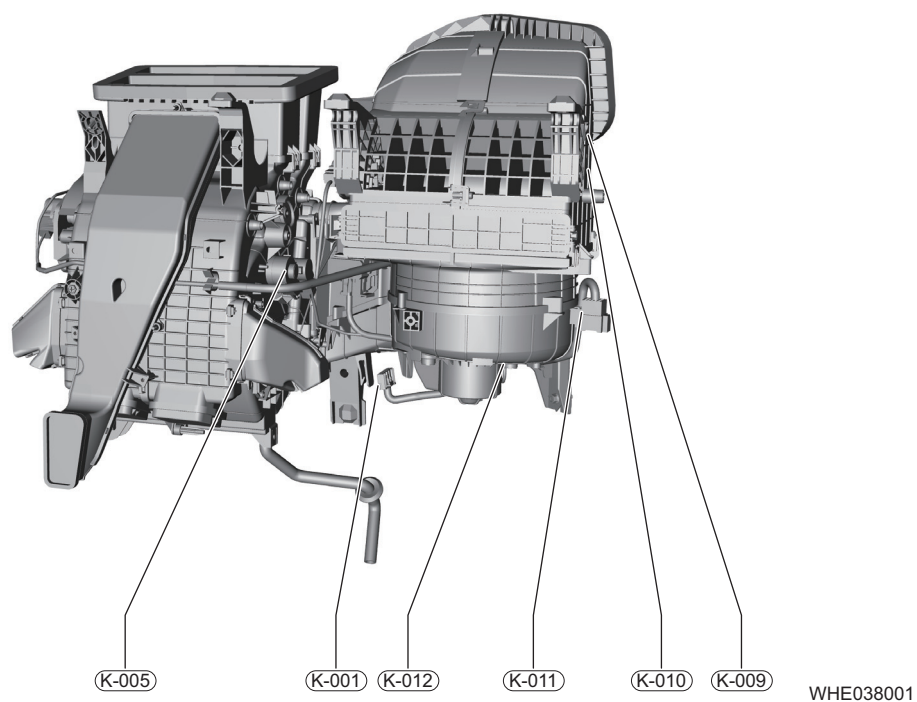
B-119  
B

Automatic A/C Wire Harness



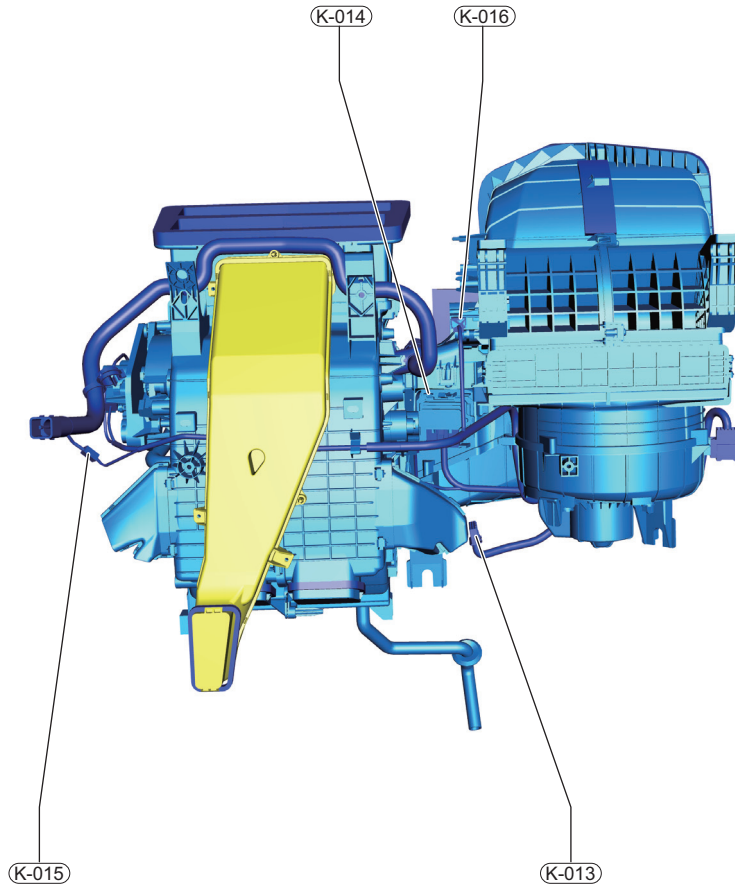
WHE037001

Connector Number	Connector Color/Pin	Connector Name
K-003	Br/6	Mode Damper Motor
K-004	Br/6	Left Mix Damper Motor
K-007	Br/3	Air Quality Sensor



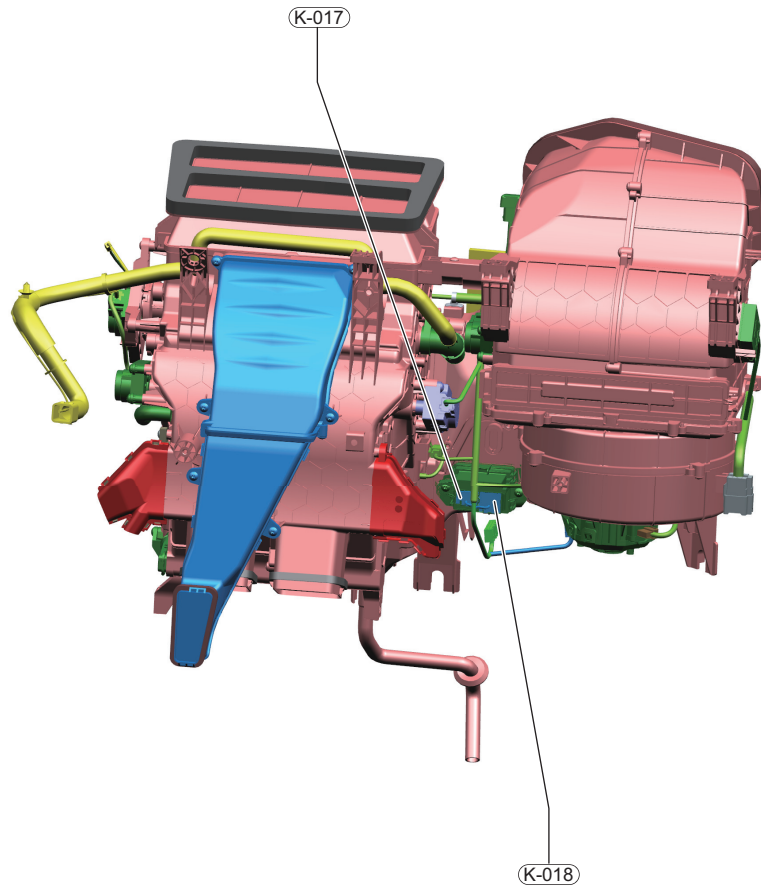
WHE038001

Connector Number	Connector Color/Pin	Connector Name
K-001	W/40	Automatic A/C Control Module
K-005	Br/6	Right Mix Damper Motor
K-009	B/4	Outer PM2.5 Sensor
K-010	Br/4	Inner PM2.5 Sensor
K-011	W/22	Instrument Panel Wire Harness Interface
K-012	W/2	Blower



WHE038002

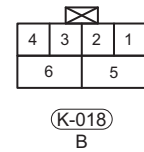
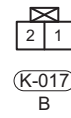
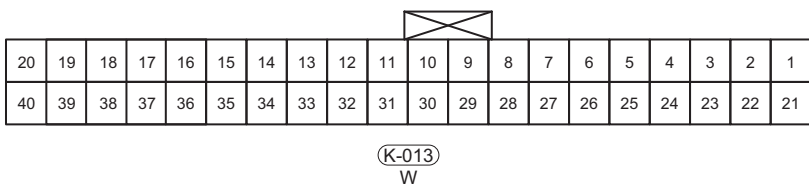
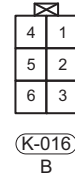
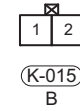
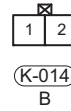
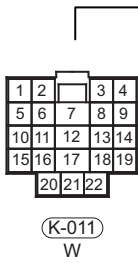
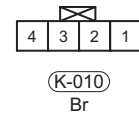
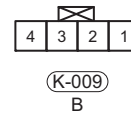
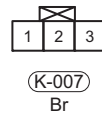
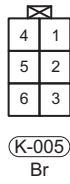
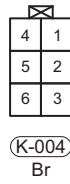
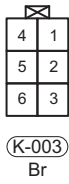
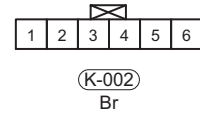
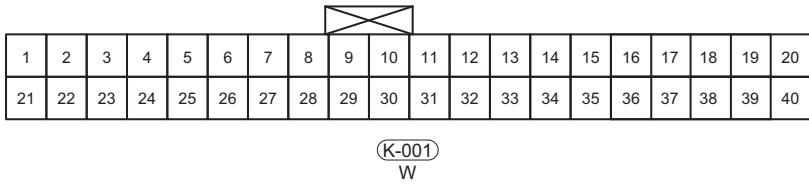
Connector Number	Connector Color/Pin	Connector Name
K-013	W/40	Automatic A/C Control Module B
K-014	/2	EVA Sensor
K-015	/2	Incar Sensor
K-016	/6	REC Controller



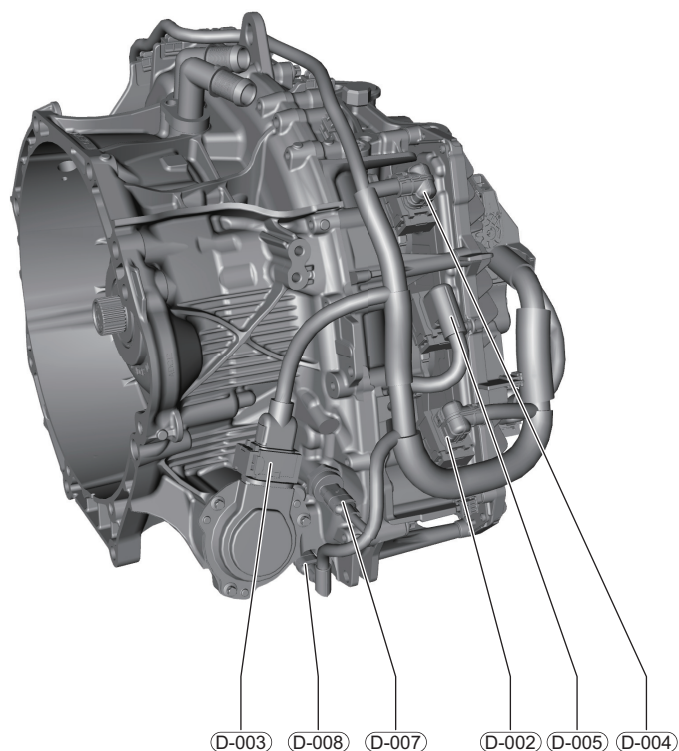
WHE038003

Connector Number	Connector Color/Pin	Connector Name
K-017	/2	Speed Regulation Module Connector A
K-018	/6	Speed Regulation Module Connector B

# Automatic A/C Wire Harness Connector List



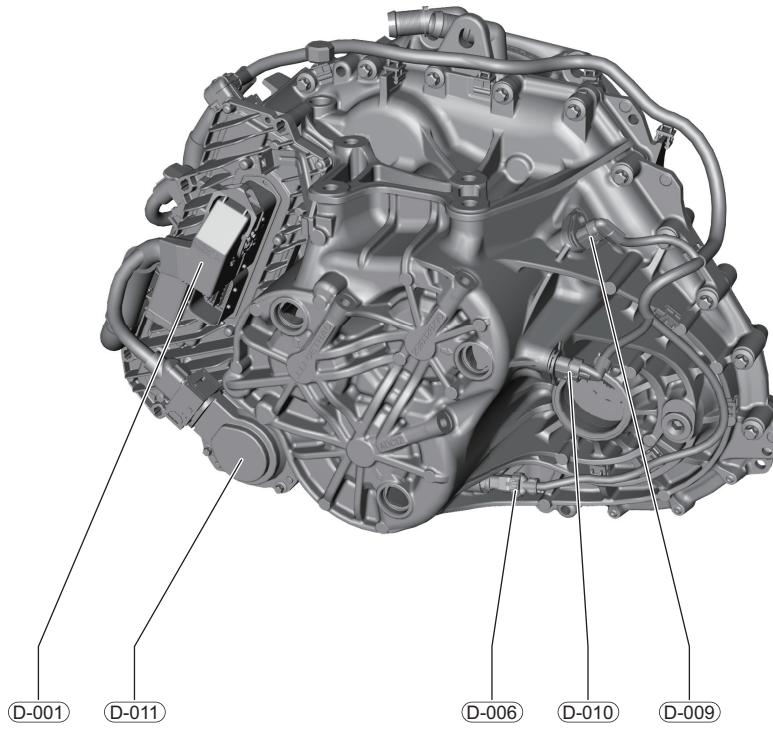
## Transmission Wire Harness (DCT)



WHE035001

Connector Number	Connector Color/Pin	Connector Name
D-002	B/9	Clutch Motor 2
D-003	B/9	Clutch Motor 1
D-004	B/9	Shift Motor 2
D-005	B/9	Shift Motor 1
D-007	B/3	Pressure Sensor 2
D-008	B/3	Pressure Sensor 1

10

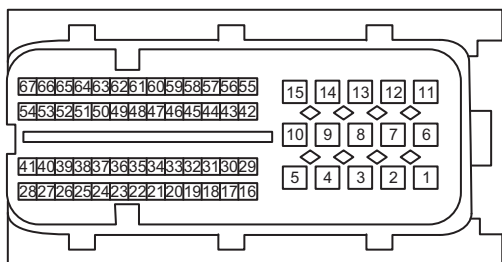


WHE036001

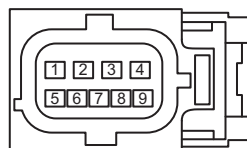
Connector Number	Connector Color/Pin	Connector Name
D-001	B/67	Transmission TCU-B RDE
D-006	B/2	Temperature Sensor
D-009	B/2	Input Shaft Speed Sensor 2
D-010	B/2	Input Shaft Speed Sensor 1
D-011	B/9	Cooling Motor



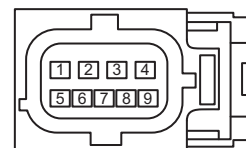
### Transmission Wire Harness Connector List (DCT)



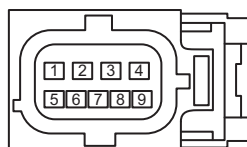
D-001  
B



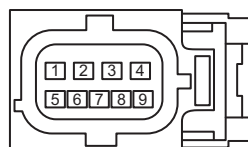
D-002  
B



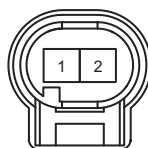
D-003  
B



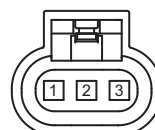
D-004  
B



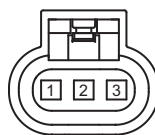
D-005  
B



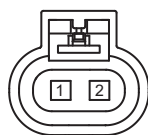
D-006  
B



D-007  
B



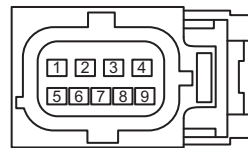
D-008  
B



D-009  
B

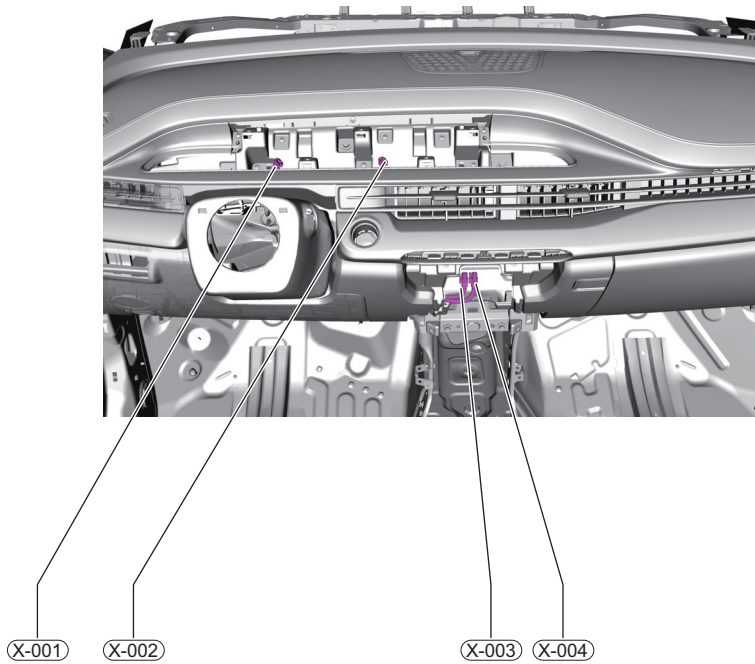


D-010  
B



D-011  
B

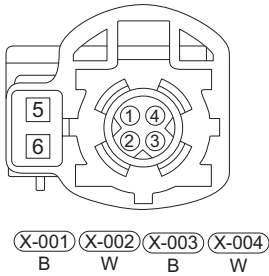
## Display Connecting Wire Harness



WHE041001

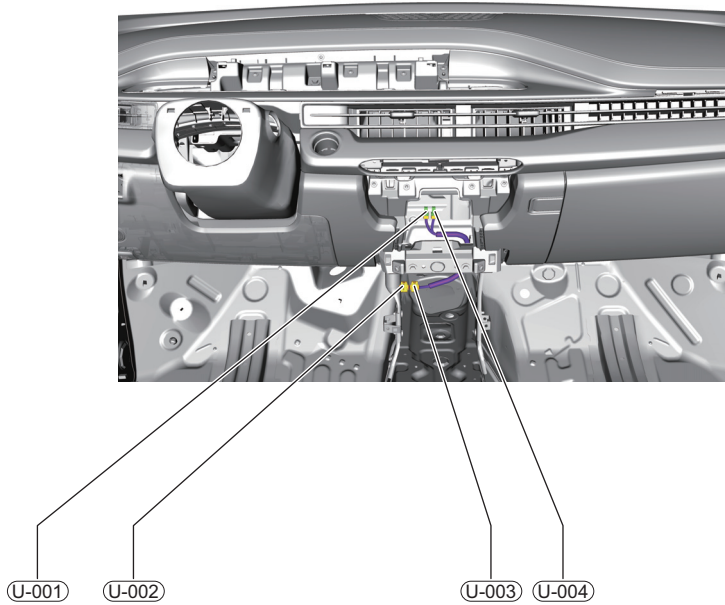
Connector Number	Connector Color/Pin	Connector Name
X-001	B/6	Instrument Cluster Display Connector
X-002	W/6	Audio Display Connector
X-003	B/6	Domain Controller Connector (Instrument Cluster)
X-004	W/6	Domain Controller Connector (Audio)

10



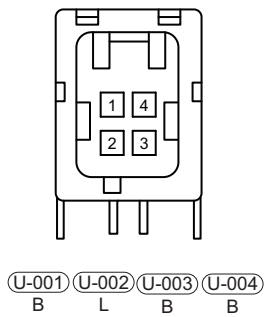
WHE044001

# USB Connecting Wire Harness



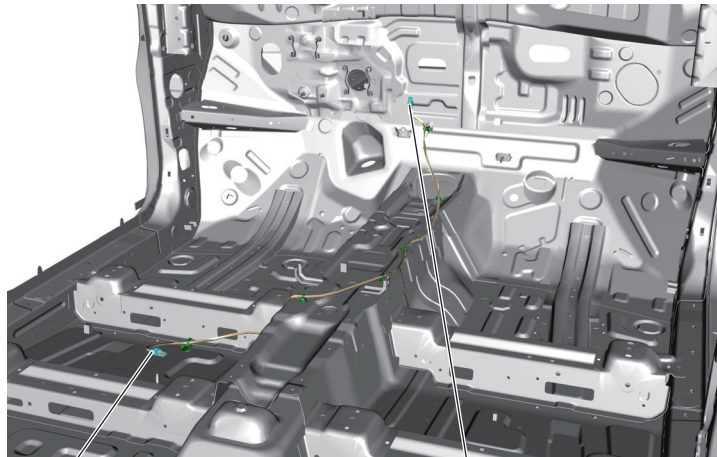
WHE042001

Connector Number	Connector Color/Pin	Connector Name
U-001	B/4	USB1 Connector (Domain Controller End)
U-002	L/4	USB1 Connector
U-003	B/4	USB2 Connector
U-004	B/4	USB2 Connector (Domain Controller End)



WHE045001

# HSD Connecting Wire Harness



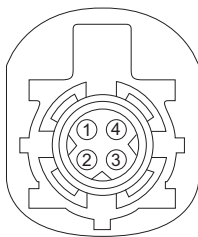
Y-001

Y-002

WHE043001

Connector Number	Connector Color/Pin	Connector Name
Y-001	B/4	HSD Connecting Interface (TBOX End)
Y-002	B/4	HSD Connecting Interface (Domain Controller End)

10



Y-001 Y-002  
B B

WHE046001

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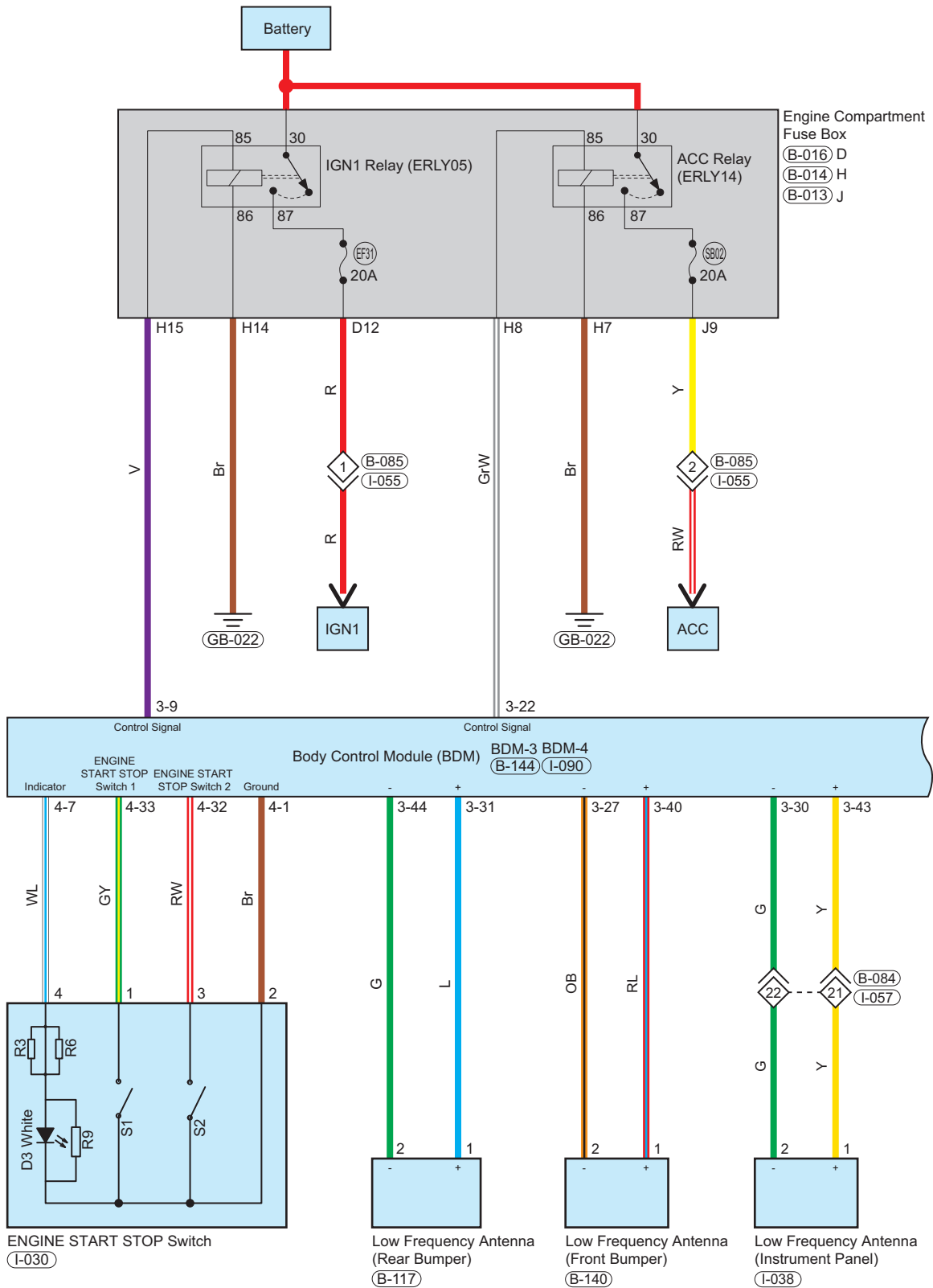
# System Circuit Diagram

## General Information

This section provides information about system circuit diagram, which is very important for troubleshooting electrical problems. When troubleshooting any problems, first understand the operation of the malfunction circuit (Refer to "System Circuits" or circuit diagrams in the relevant repair manual).

After understanding the circuit operation, troubleshoot the malfunction circuit to find out the cause, then use the "Wire Harness Position Diagram" to find each wire harness, wire harness connector and ground point of the relevant circuit. For specifications or detailed removal and installation procedures, please refer to the relevant repair manual.

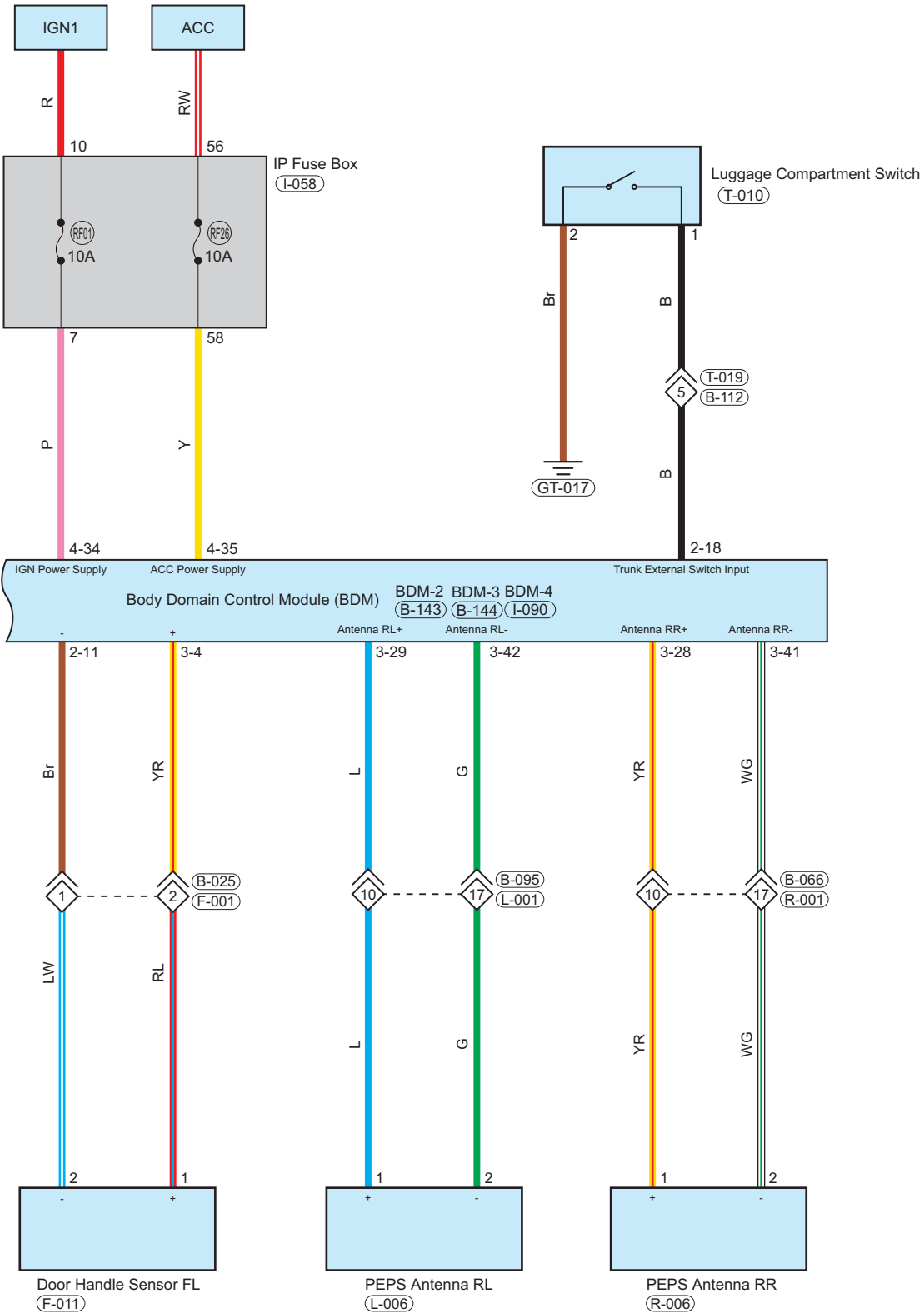
# Passive Entry System (PEPS)



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# Passive Entry System (PEPS)



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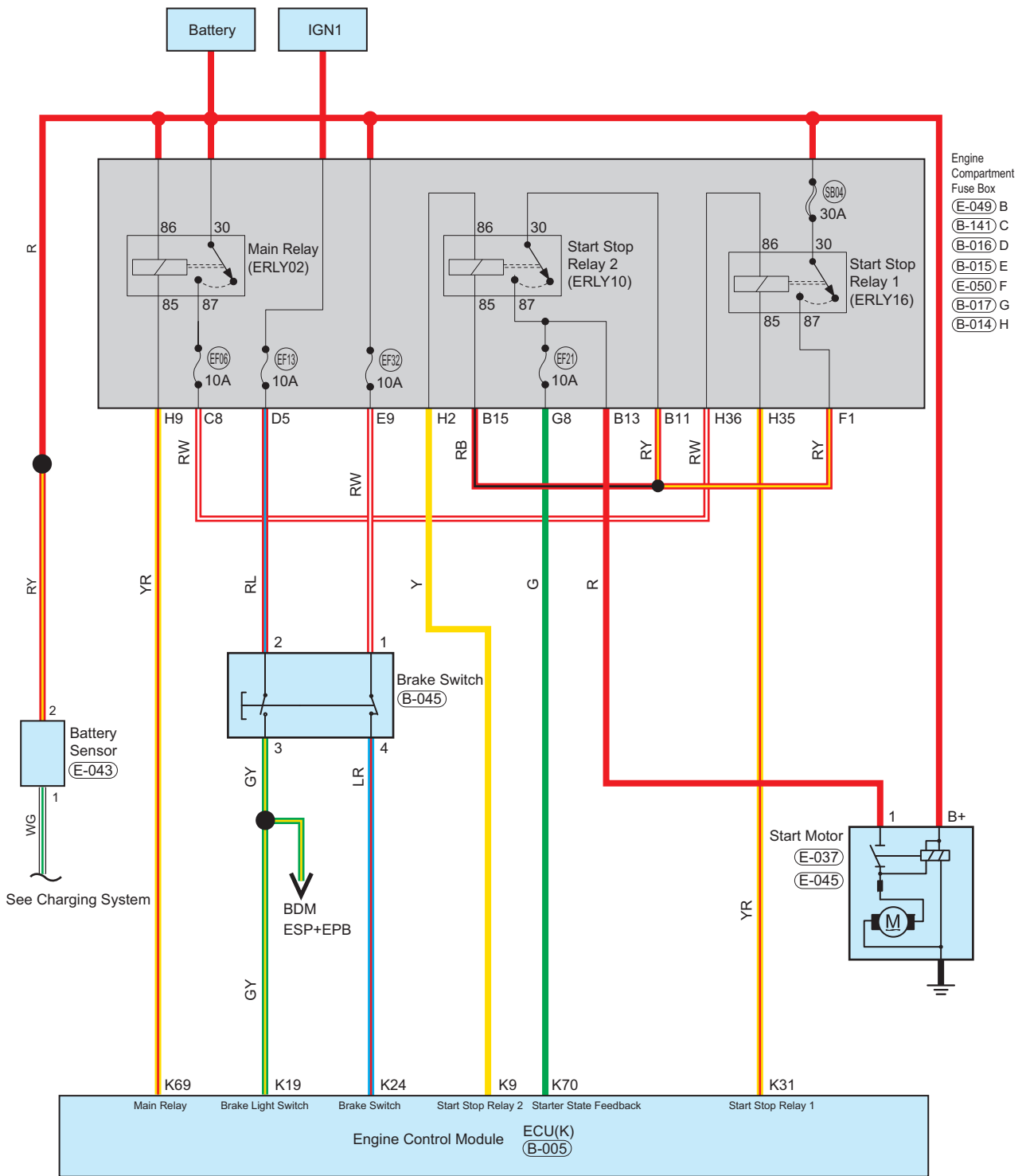
## Passive Entry System (PEPS)

Wire Harness Connector	Name	Page Number
B-013	Engine Compartment Fuse Box J	10-25
B-014	Engine Compartment Fuse Box H	10-25
B-016	Engine Compartment Fuse Box D	10-25
GB-022	G603	10-25
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
B-066	Interior Wire Harness to Rear Right Door Wire Harness	10-36
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
B-095	Interior Wire Harness to Rear Left Door Wire Harness	10-28
B-112	Interior Wire Harness to Back Door Wire Harness 1	10-31
B-117	Low Frequency Antenna (Rear Bumper)	10-32
B-140	Low Frequency Antenna (Front Bumper)	10-39
B-143	Body Control Module (BDM) - 2	10-39
B-144	Body Control Module (BDM) - 3	10-39
I-030	ENGINE START STOP Switch	10-73
I-038	Low Frequency Antenna (Instrument Panel)	10-76
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
I-058	Instrument Panel Fuse Box	10-73
I-090	Body Control Module (BDM) - 4	10-81
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
F-011	Front Left Door Handle Sensor	10-91
L-001	Rear Left Door Wire Harness to Interior Wire Harness	10-97
L-006	Rear Left PEPS Antenna	10-97
R-001	Rear Right Door Wire Harness to Interior Wire Harness	10-101

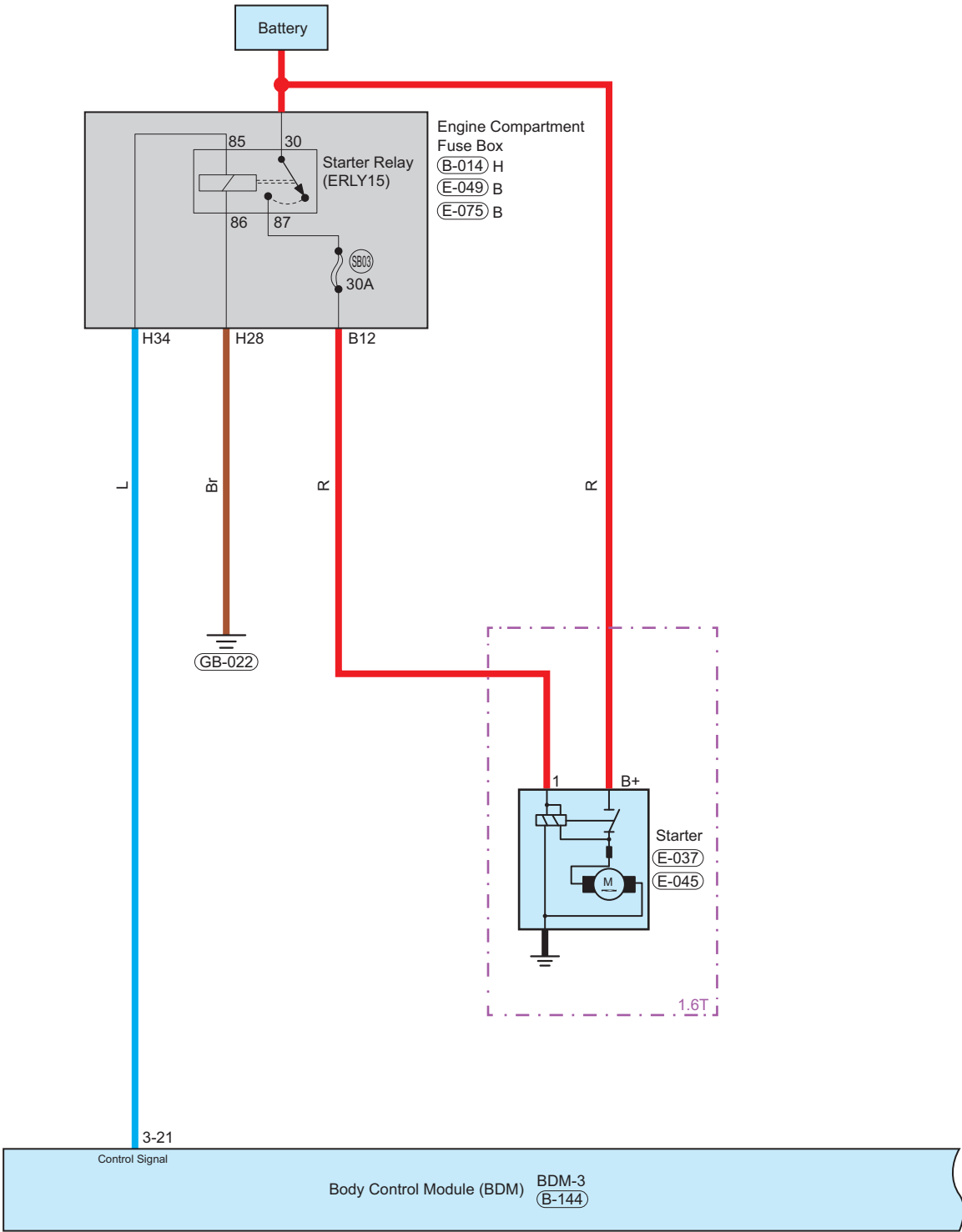


<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
R-006	Rear Right PEPS Antenna	10-101
T-010	Luggage Compartment Switch	10-105
GT-017	G701	10-105
T-019	Back Door Wire Harness to Interior Wire Harness 1	10-105

# Start System (1.6T with Start Stop)



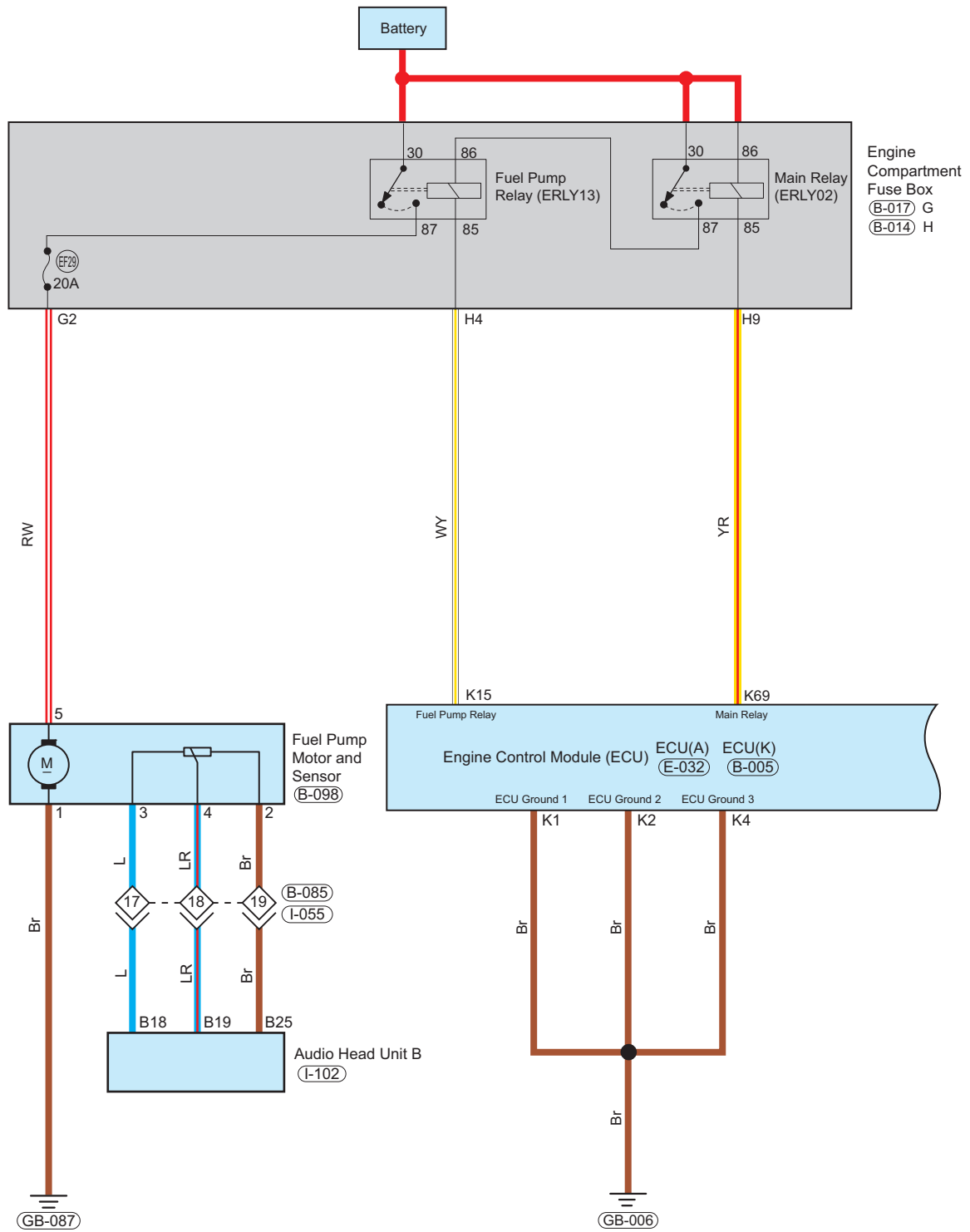
# Start System - without Start Stop



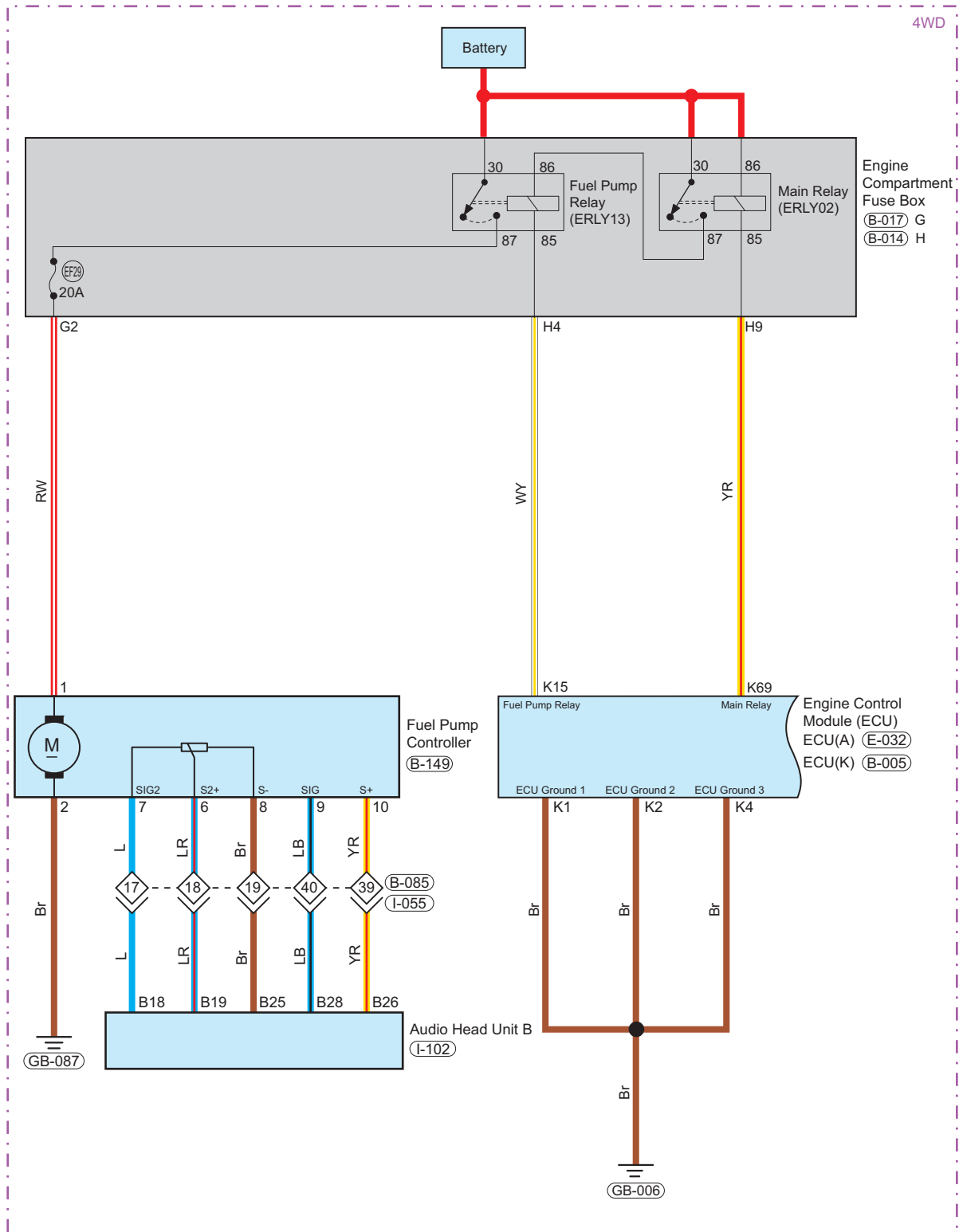
## Start System

Wire Harness Connector	Name	Page Number
E-037	Starter Motor (1.6T)	10-14
E-043	Battery Sensor (1.6T)	10-14
E-045	Starter (1.6T)	10-14
E-049	Engine Compartment Fuse Box B (1.6T)	10-14
E-050	Engine Compartment Fuse Box F (1.6T)	10-14
B-005	ECU (K) (1.6T)	10-53
B-014	Engine Compartment Fuse Box H	10-25
B-015	Engine Compartment Fuse Box E	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-017	Engine Compartment Fuse Box G	10-25
GB-022	G603	10-25
B-045	Brake Switch	10-27
B-141	Engine Compartment Fuse Box C	10-45
B-144	Body Control Module (BDM) - 3	10-39

# 1.6T Engine Control System (EMS) Fuel Supply System (1.6T)



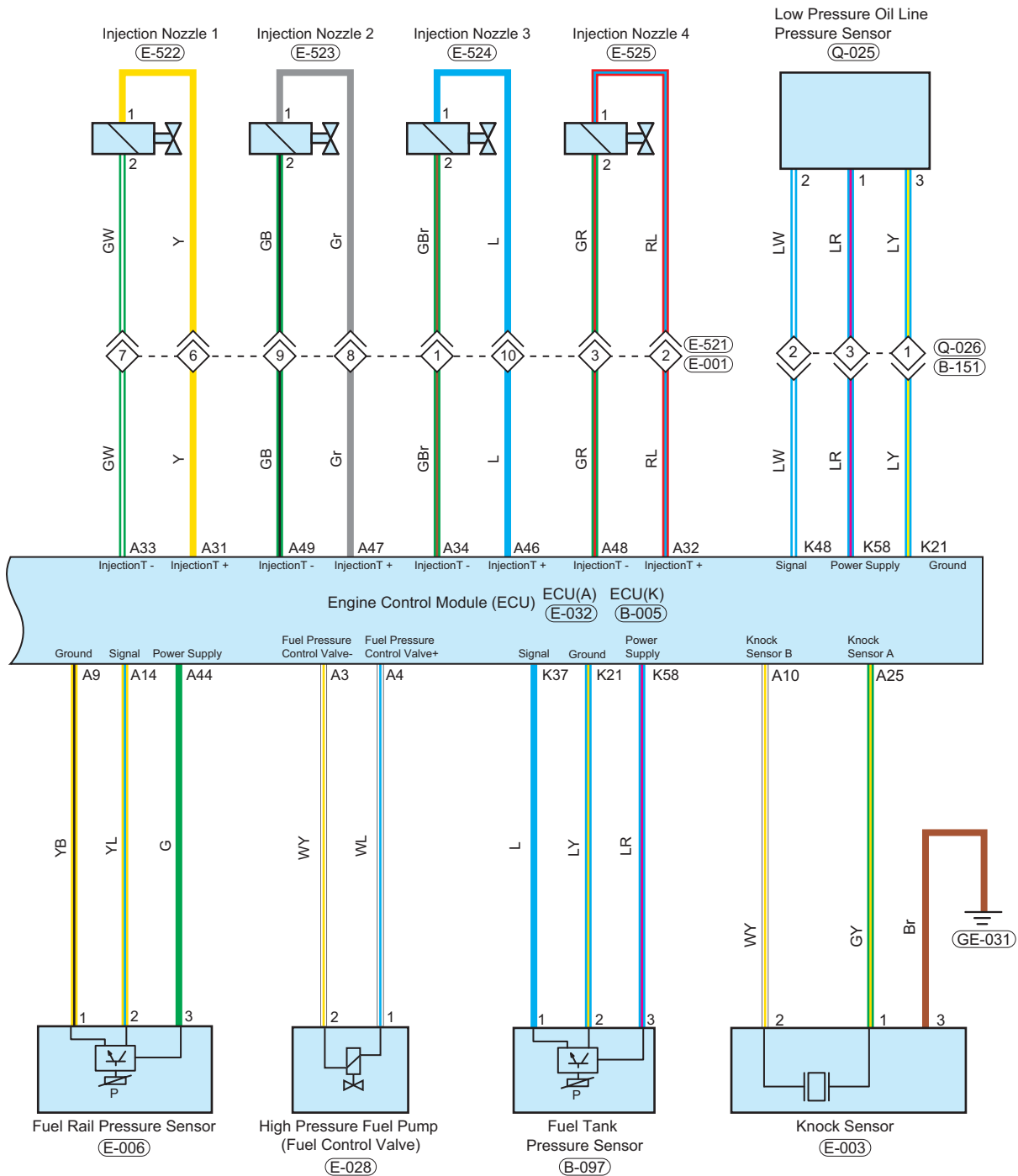
# Fuel Supply System (1.6T)



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# Fuel Supply System (1.6T)



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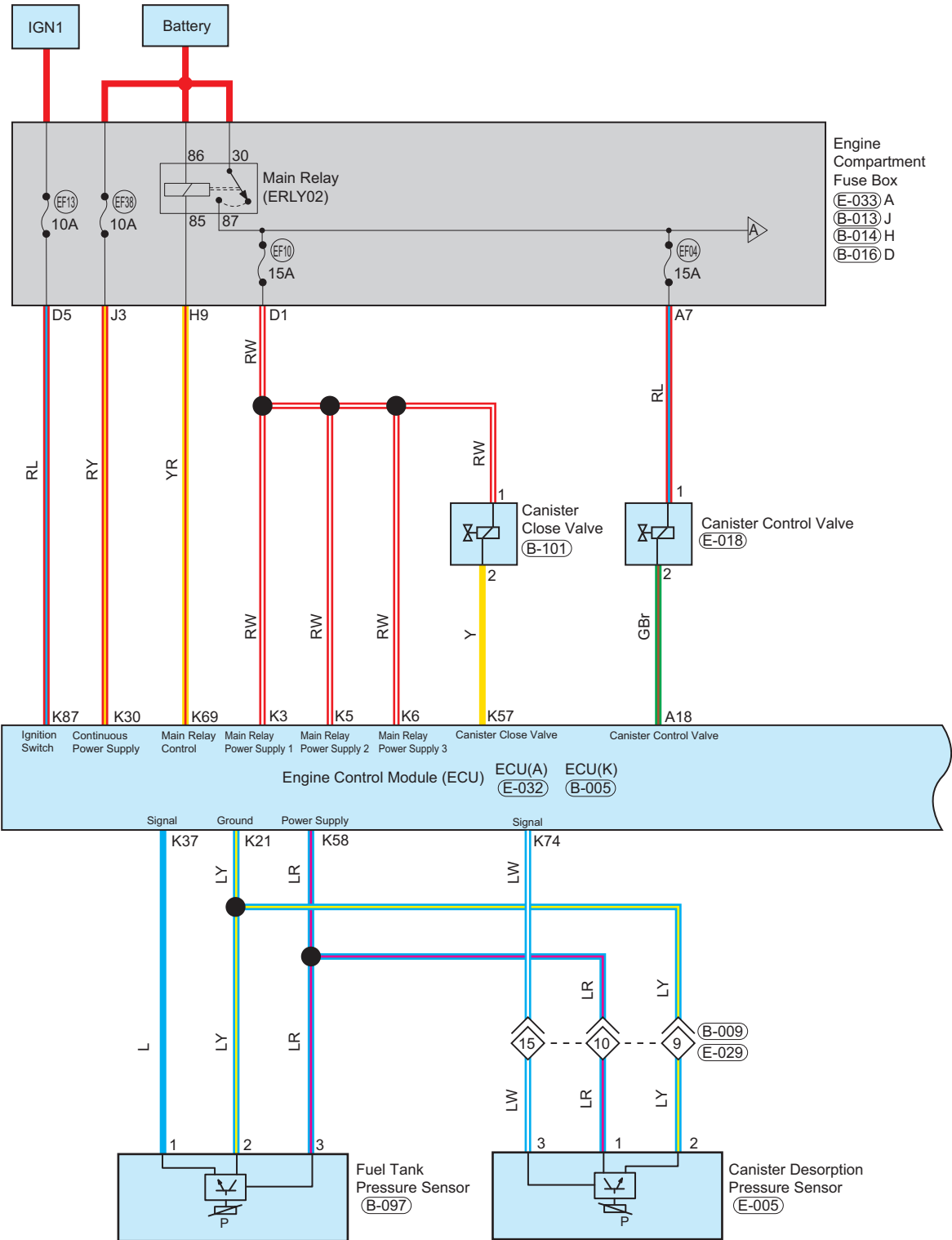
FUE001003

## Fuel Supply System (1.6T)

Wire Harness Connector	Name	Page Number
E-001	Injection Nozzle Wire Harness Interface (1.6T)	10-2
E-006	Fuel Rail Pressure Sensor (1.6T)	10-2
E-028	High Pressure Fuel Pump (Fuel Control Valve) (1.6T)	10-4
E-032	ECU (A) (1.6T)	10-2
E-521	Engine Wire Harness Interface (1.6T)	10-8
E-522	Injection Nozzle - 1 (1.6T)	10-8
E-523	Injection Nozzle - 2 (1.6T)	10-8
E-524	Injection Nozzle - 3 (1.6T)	10-8
E-525	Injection Nozzle - 4 (1.6T)	10-8
Q-025	Low Pressure Oil Line Pressure Sensor (1.6T)	10-18
Q-026	Front Bumper Wire Harness to Interior Wire Harness 3	10-19
B-005	ECU (K) (1.6T)	10-53
GB-006	G602	10-26
B-014	Engine Compartment Fuse Box H	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
GB-087	G607	10-28
B-097	Fuel Tank Pressure Sensor	10-41
B-098	Fuel Pump Motor and Sensor	10-29
B-151	Interior Wire Harness to Front Bumper Wire Harness	10-50
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
I-102	Audio Head Unit B	10-80
B-149	Oil Pump Controller	10-61
E-003	Knock Sensor	10-2
GE-031	Ground G402	10-2

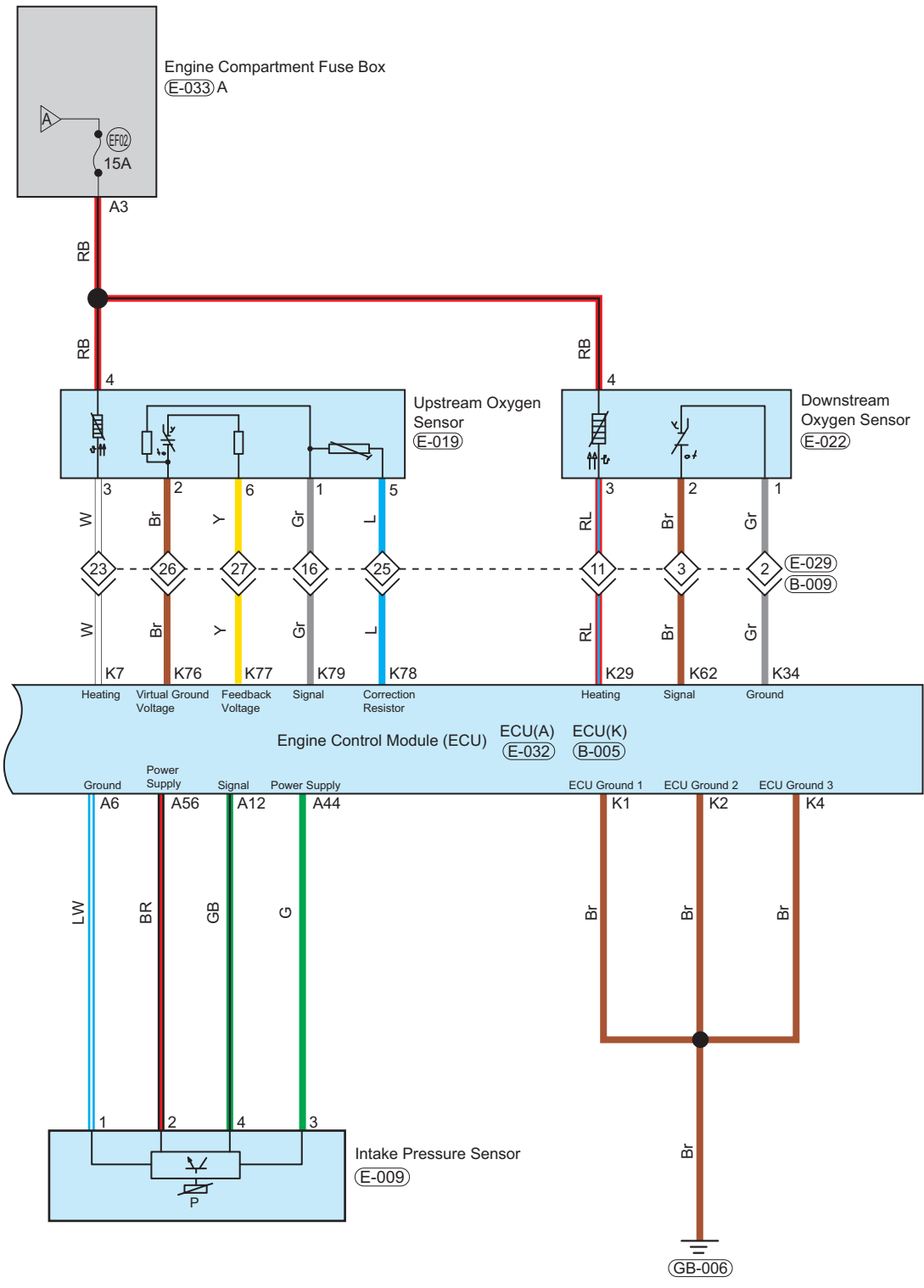


# Emission Control System (1.6T)



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# Emission Control System (1.6T)



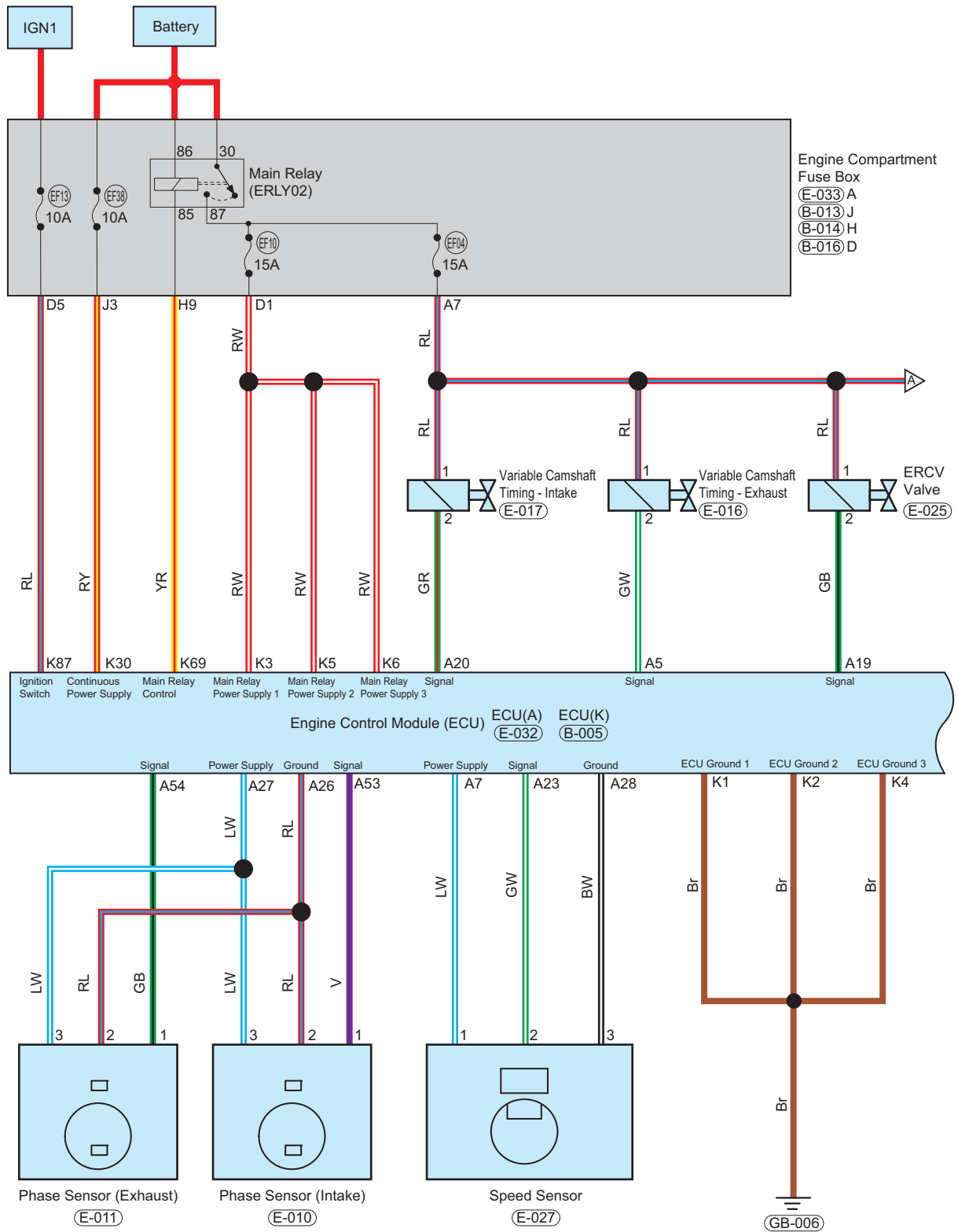
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ECE001002

## Emission Control System (1.6T)

Wire Harness Connector	Name	Page Number
E-005	Canister Desorption Pressure Sensor (1.6T)	10-2
E-009	Intake Pressure/Temperature Sensor (1.6T)	10-2
E-018	Canister Control Valve (1.6T)	10-3
E-019	Upstream Oxygen Sensor (1.6T)	10-2
E-022	Downstream Oxygen Sensor (1.6T)	10-2
E-029	Interior Wire Harness Interface 4 (1.6T)	10-2
E-032	ECU (A) (1.6T)	10-2
E-033	Engine Compartment Fuse Box A (1.6T)	10-2
B-005	ECU (K) (1.6T)	10-53
GB-006	G602	10-26
B-009	Engine Wire Harness Interface 4 (1.6T)	10-53
B-013	Engine Compartment Fuse Box J	10-25
B-014	Engine Compartment Fuse Box H	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-097	Fuel Tank Pressure Sensor	10-41
B-101	Canister Close Valve	10-33

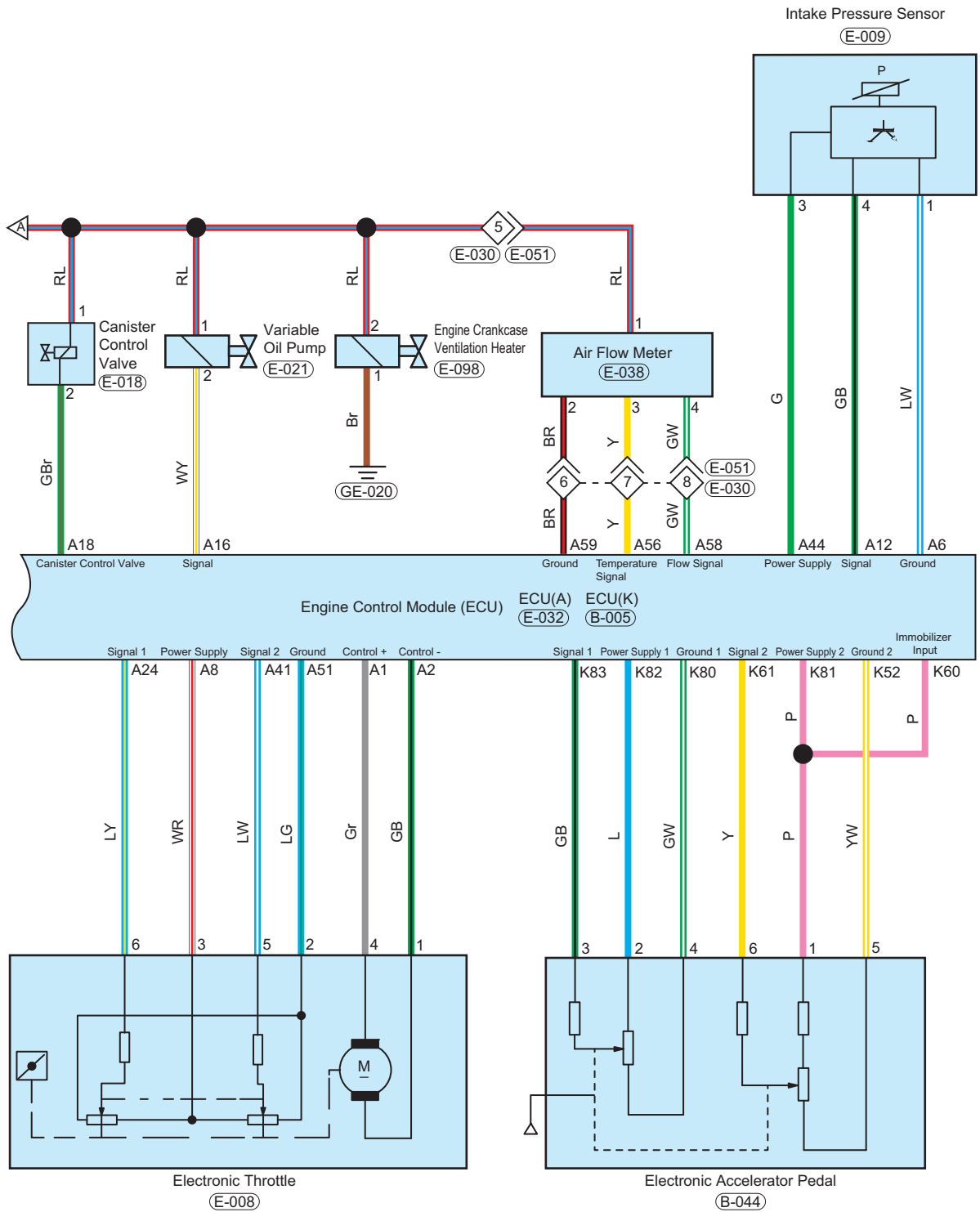
# Air Intake System (1.6T)



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# Air Intake System (1.6T)

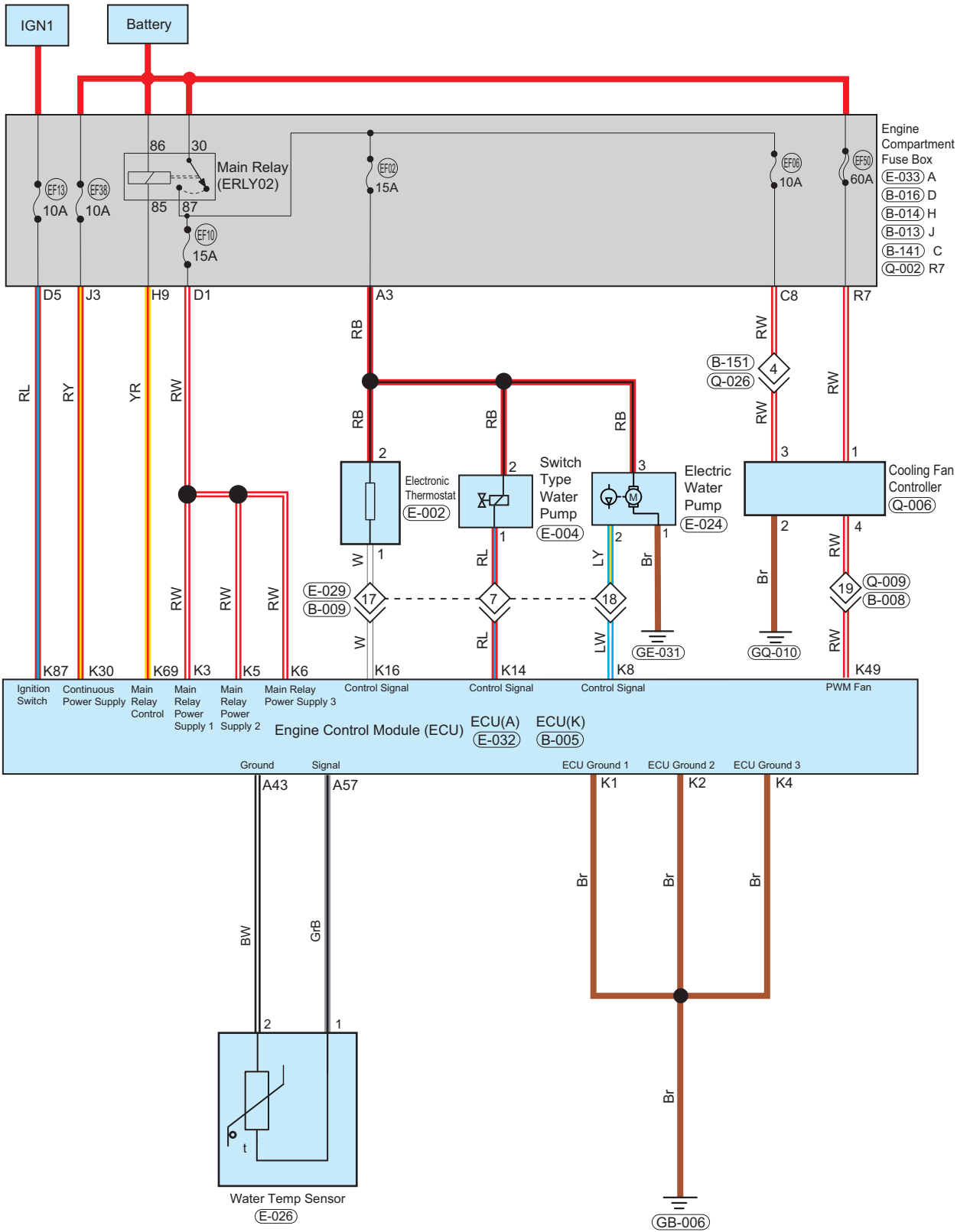


ITE002001

## Air Intake System (1.6T)

Wire Harness Connector	Name	Page Number
E-008	Electronic Throttle (1.6T)	10-2
E-009	Intake Pressure/Temperature Sensor (1.6T)	10-2
E-010	Intake Phase Sensor (1.6T)	10-2
E-011	Exhaust Phase Sensor (1.6T)	10-2
E-016	Variable Camshaft Timing - Exhaust (1.6T)	10-2
E-017	Variable Camshaft Timing - Intake (1.6T)	10-2
E-018	Canister Control Valve	10-3
E-021	Variable Oil Pump	10-3
E-025	ERCV Valve	E-025
E-027	Speed Sensor (1.6T)	10-4
E-030	Battery Positive Wire Harness Interface (1.6T)	10-2
E-032	ECU (A) (1.6T)	10-2
E-033	Engine Compartment Fuse Box A (1.6T)	10-2
E-038	Air Flow Meter (1.6T)	10-14
E-051	Engine Wire Harness Interface (1.6T)	10-14
E-098	Engine Crankcase Ventilation Heater	10-5
B-005	ECU (K) (1.6T)	10-53
GB-006	G602	10-26
B-013	Engine Compartment Fuse Box J	10-25
B-014	Engine Compartment Fuse Box H	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-044	Electronic Accelerator Pedal	10-27

# Cooling System (1.6T)

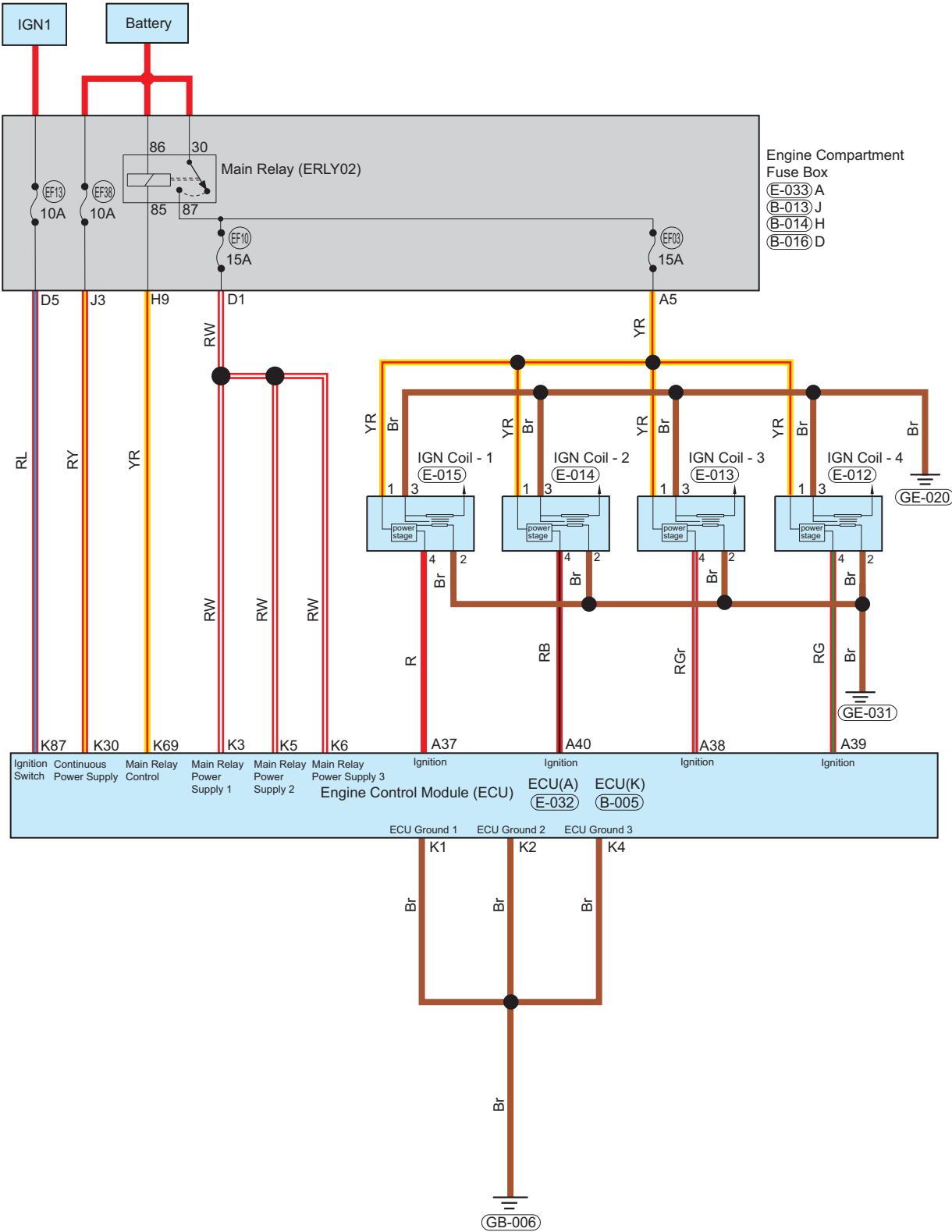


## Cooling System (1.6T)

Wire Harness Connector	Name	Page Number
E-002	Electronic Thermostat	10-2
E-004	Switch Type Water Pump	10-2
E-024	Electric Water Pump	E-024
E-026	Water Temperature Sensor	10-4
E-029	Interior Wire Harness Interface 4 (1.6T)	10-2
GE-031	G402	10-2
E-032	ECU (A) (1.6T)	10-2
E-033	Engine Compartment Fuse Box A (1.6T)	10-2
Q-002	Engine Compartment Fuse Box R7 (1.6T)	10-17
Q-006	Cooling Fan Controller (1.6T)	10-17
Q-009	Front Bumper Wire Harness to Interior Wire Harness 1	10-17
GQ-010	G102	10-17
Q-026	Front Bumper Wire Harness to Interior Wire Harness 3	10-19
B-005	ECU (K) (1.6T)	10-53
GB-006	G602	10-26
B-008	Interior Wire Harness to Front Bumper Wire Harness 1	10-25
B-009	Engine Wire Harness Interface 4 (1.6T)	10-53
B-013	Engine Compartment Fuse Box J	10-25
B-014	Engine Compartment Fuse Box H	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-141	Engine Compartment Fuse Box C	10-45
B-151	Interior Wire Harness to Front Bumper Wire Harness	10-50



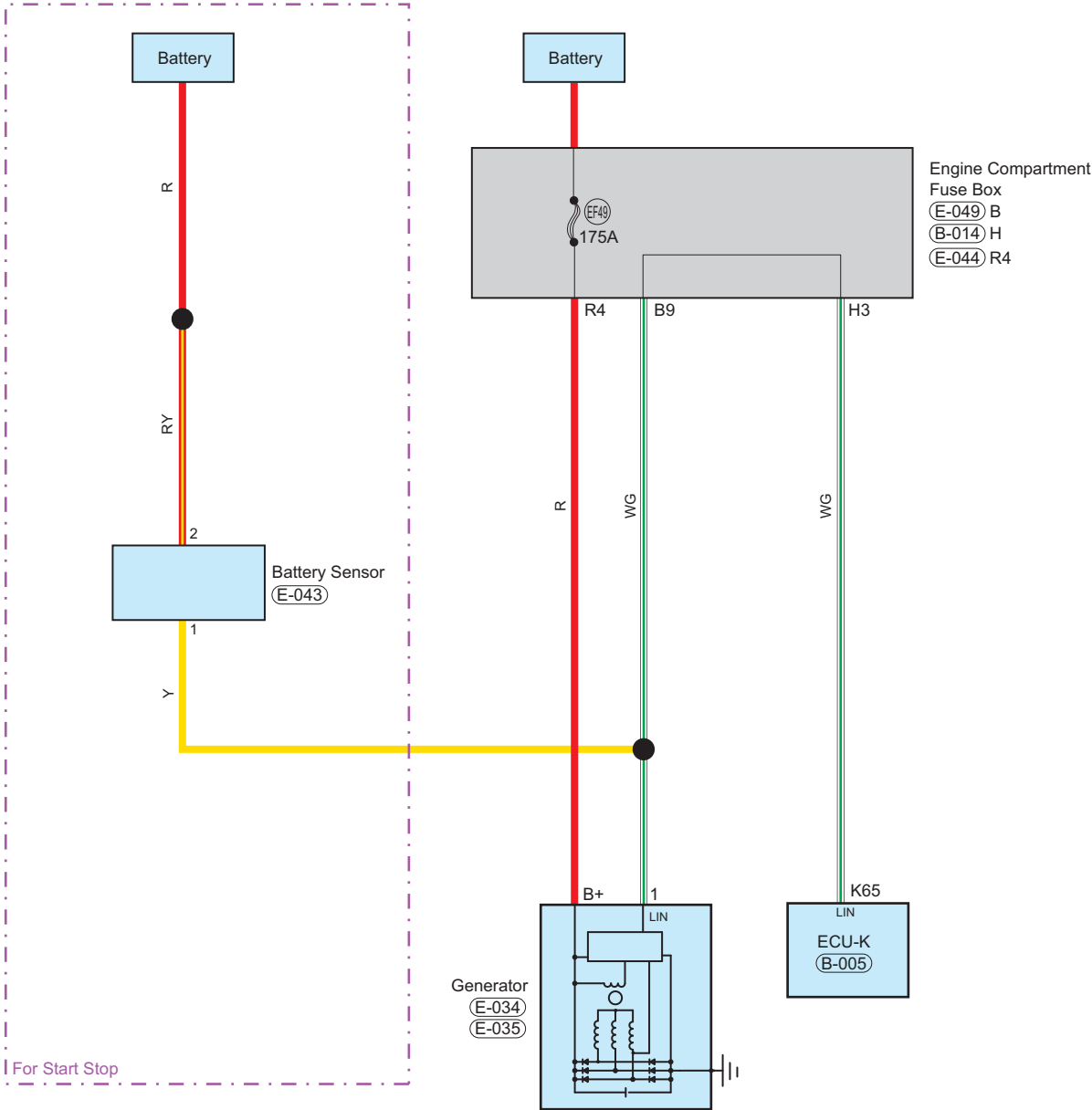
# Ignition System (1.6T)



## Ignition System (1.6T)

Wire Harness Connector	Name	Page Number
E-012	Ignition Coil - 4 (1.6T)	10-3
E-013	Ignition Coil -3 (1.6T)	10-3
E-014	Ignition Coil - 2 (1.6T)	10-3
E-015	Ignition Coil - 1 (1.6T)	10-3
GE-020	G401	10-3
GE-031	G402	10-2
E-032	ECU (A) (1.6T)	10-2
E-033	Engine Compartment Fuse Box A (1.6T)	10-2
B-005	ECU (K) (1.6T)	10-53
GB-006	G602	10-26
B-013	Engine Compartment Fuse Box J	10-25
B-014	Engine Compartment Fuse Box H	10-25
B-016	Engine Compartment Fuse Box D	10-25

# Charging System (1.6T)

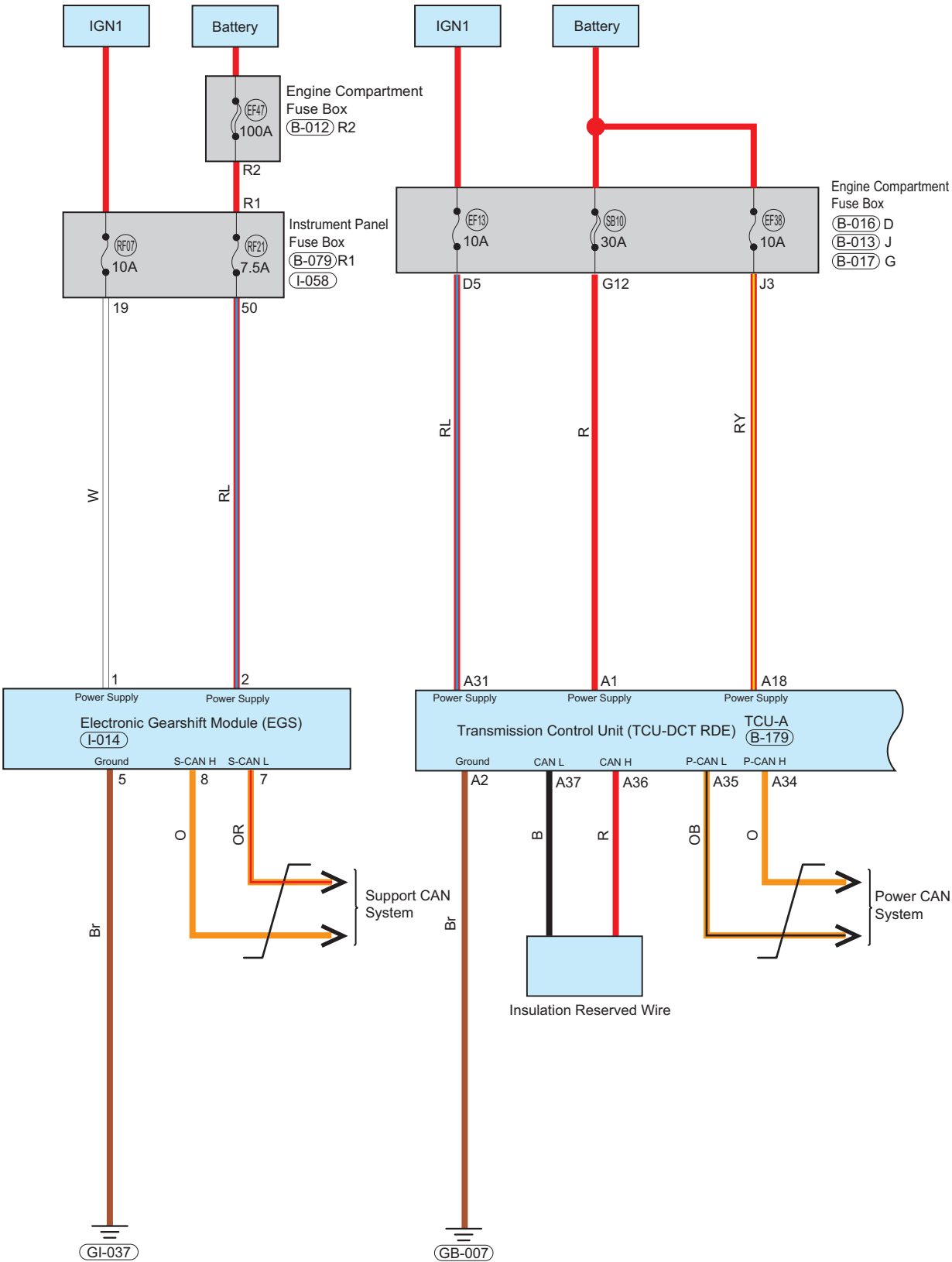


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## Charging System (1.6T)

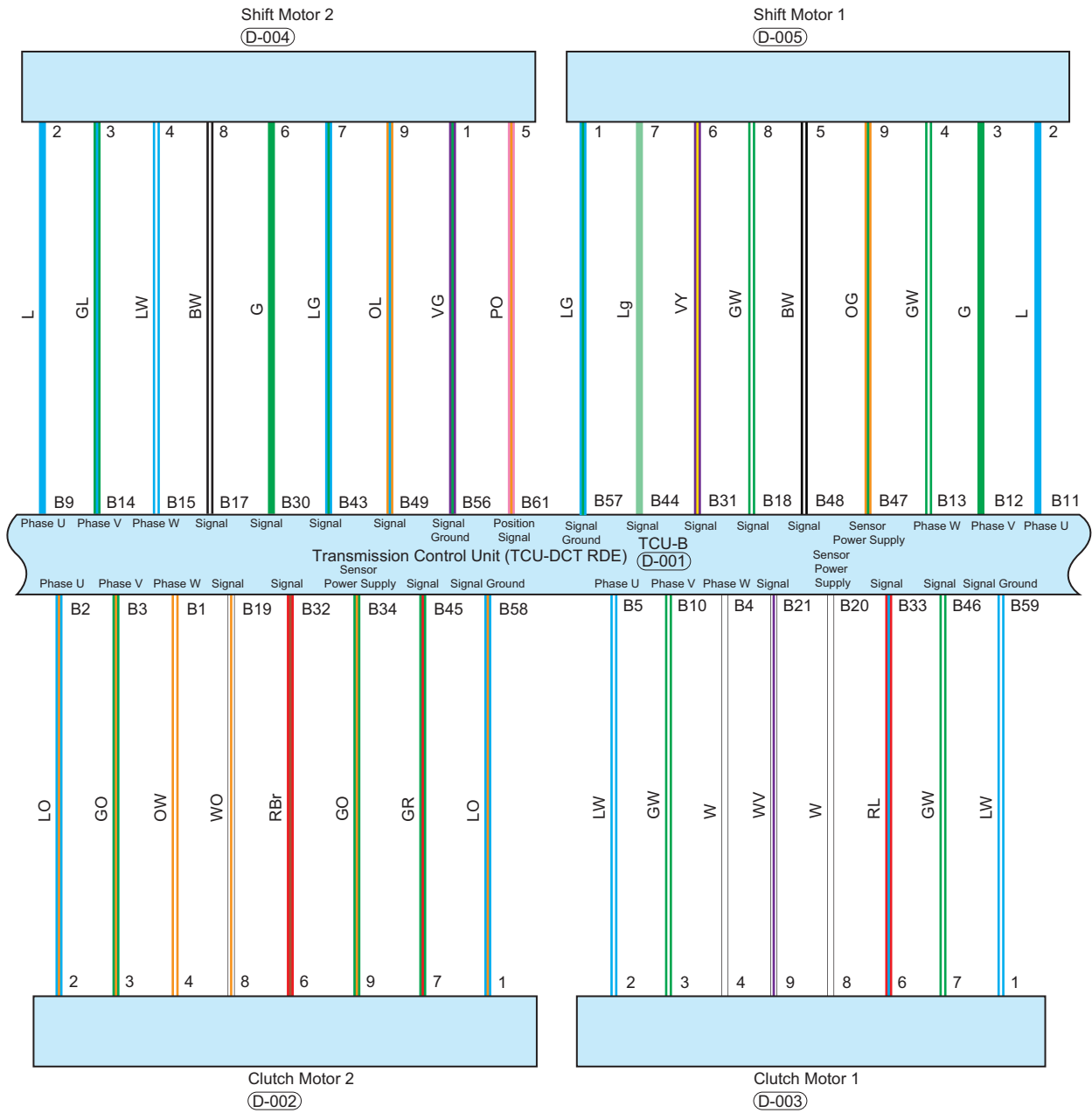
Wire Harness Connector	Name	Page Number
E-034	Generator (1.6T)	10-14
E-035	Intelligent Generator (1.6T)	10-14
E-043	Battery Sensor (1.6T)	10-14
E-044	Engine Compartment Fuse Box Interface R4 (1.6T)	10-14
E-049	Engine Compartment Fuse Box B (1.6T)	10-14
B-005	ECU (K) (1.6T)	10-53
B-014	Engine Compartment Fuse Box H	10-25

# Transmission Control System (1.6T 7DCT)



SAE001001

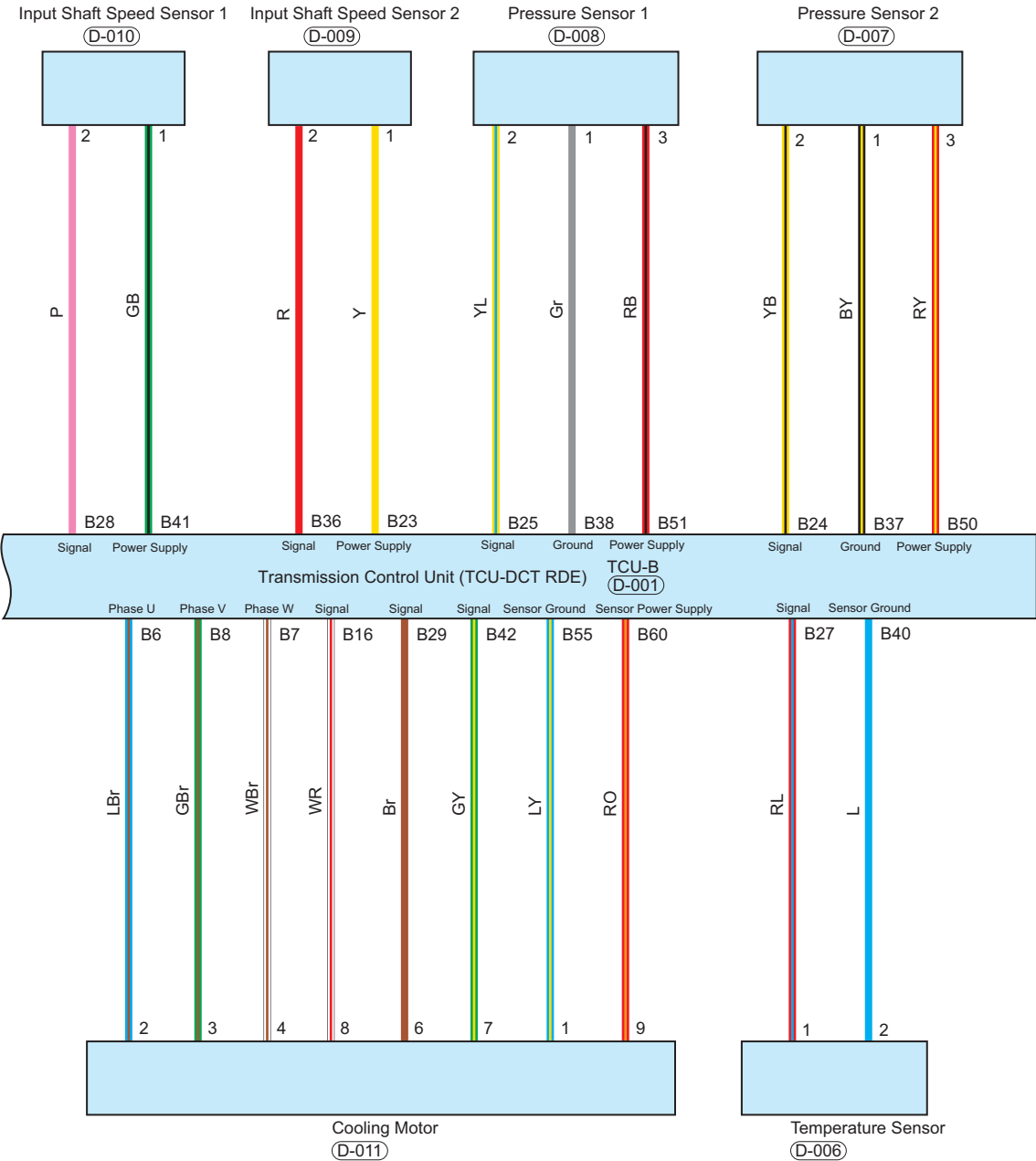
# Transmission Control System (1.6T 7DCT)



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# Transmission Control System (1.6T 7DCT)



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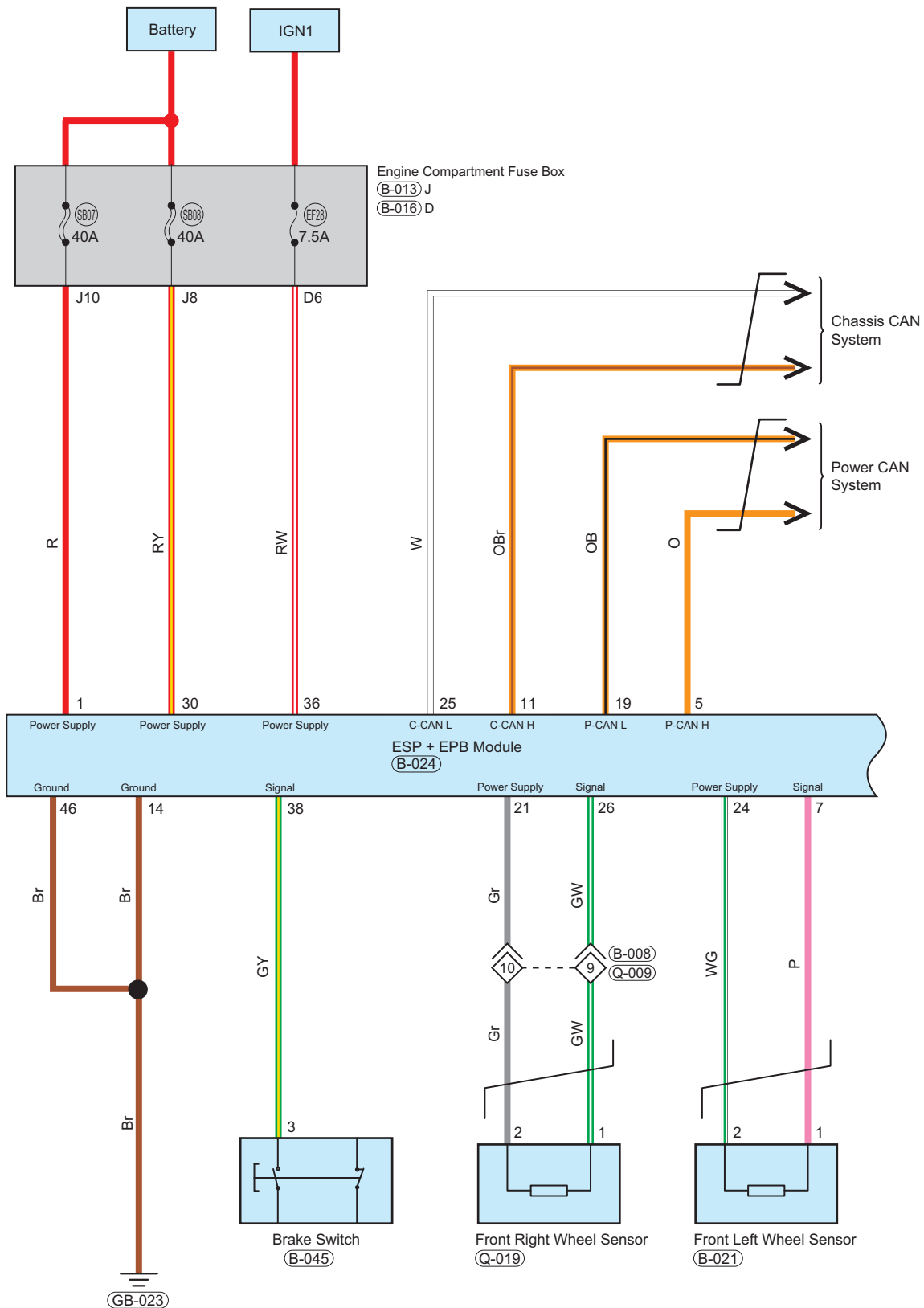
SAE003001

## Transmission Control System (1.6T 7DCT)

Wire Harness Connector	Name	Page Number
GB-007	G604	10-25
B-012	Engine Compartment Fuse Box R2	10-25
B-013	Engine Compartment Fuse Box J	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-079	Instrument Panel Fuse and Relay Box R	10-27
B-179	Transmission TCU-A RDE (1.6T)	10-25
I-014	Auxiliary Fascia Console Main Switch	10-76
GI-037	G503	10-76
I-058	Instrument Panel Fuse Box	10-73
D-001	Transmission TCU-B RDE (1.6T)	10-117
D-002	Clutch Motor 2	10-116
D-003	Clutch Motor 1	10-116
D-004	Shift Motor 2	10-116
D-005	Shift Motor 1	10-116
D-006	Temperature Sensor	10-117
D-007	Pressure Sensor 2	10-116
D-008	Pressure Sensor 1	10-116
D-009	Input Shaft Speed Sensor 2	10-117
D-010	Input Shaft Speed Sensor 1	10-117
D-011	Cooling Motor	10-117

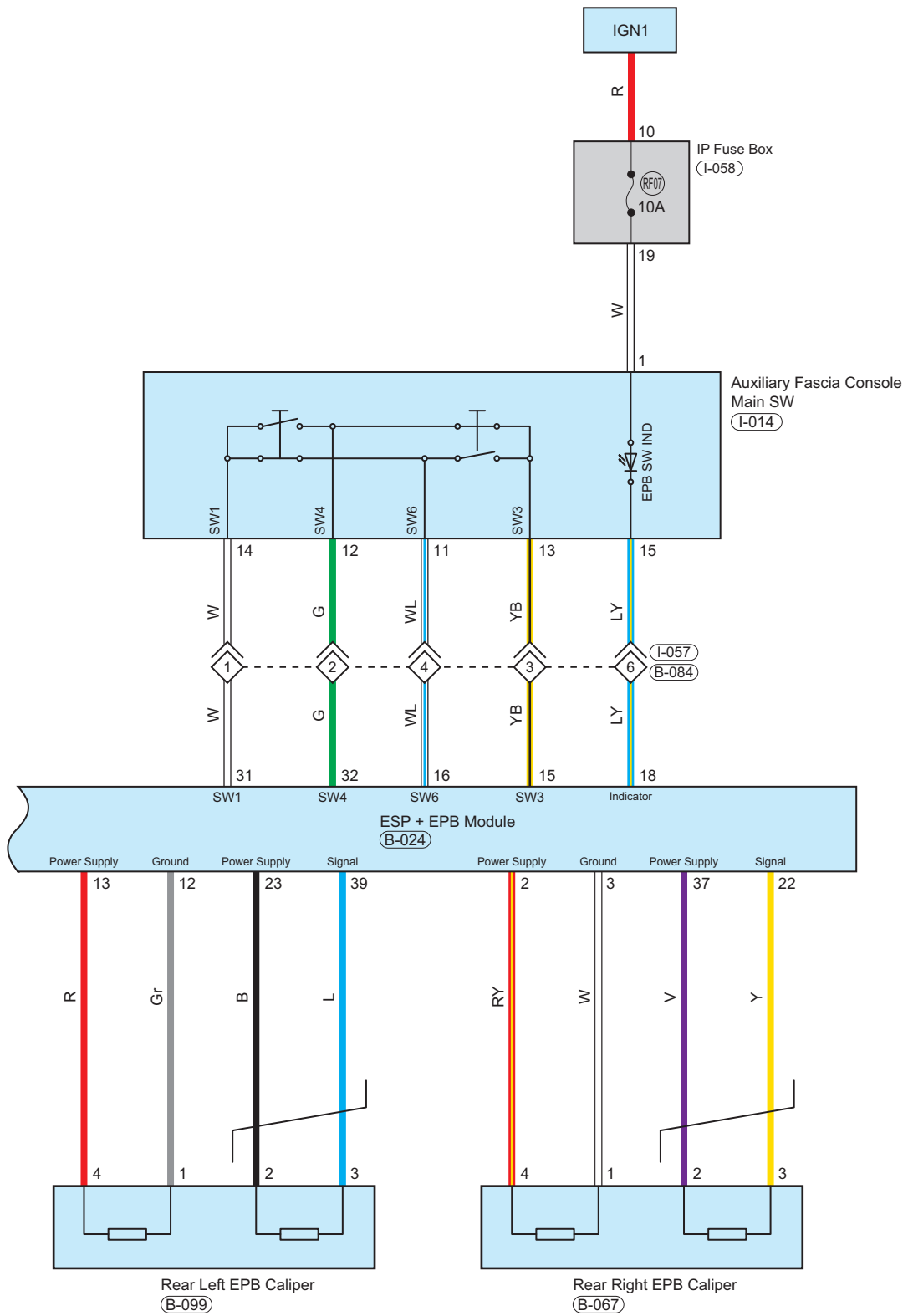


# Electronic Stability System (ESP&EPB)



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# Electronic Stability System (ESP&EPB)



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## Electronic Stability System (ESP&EPB)

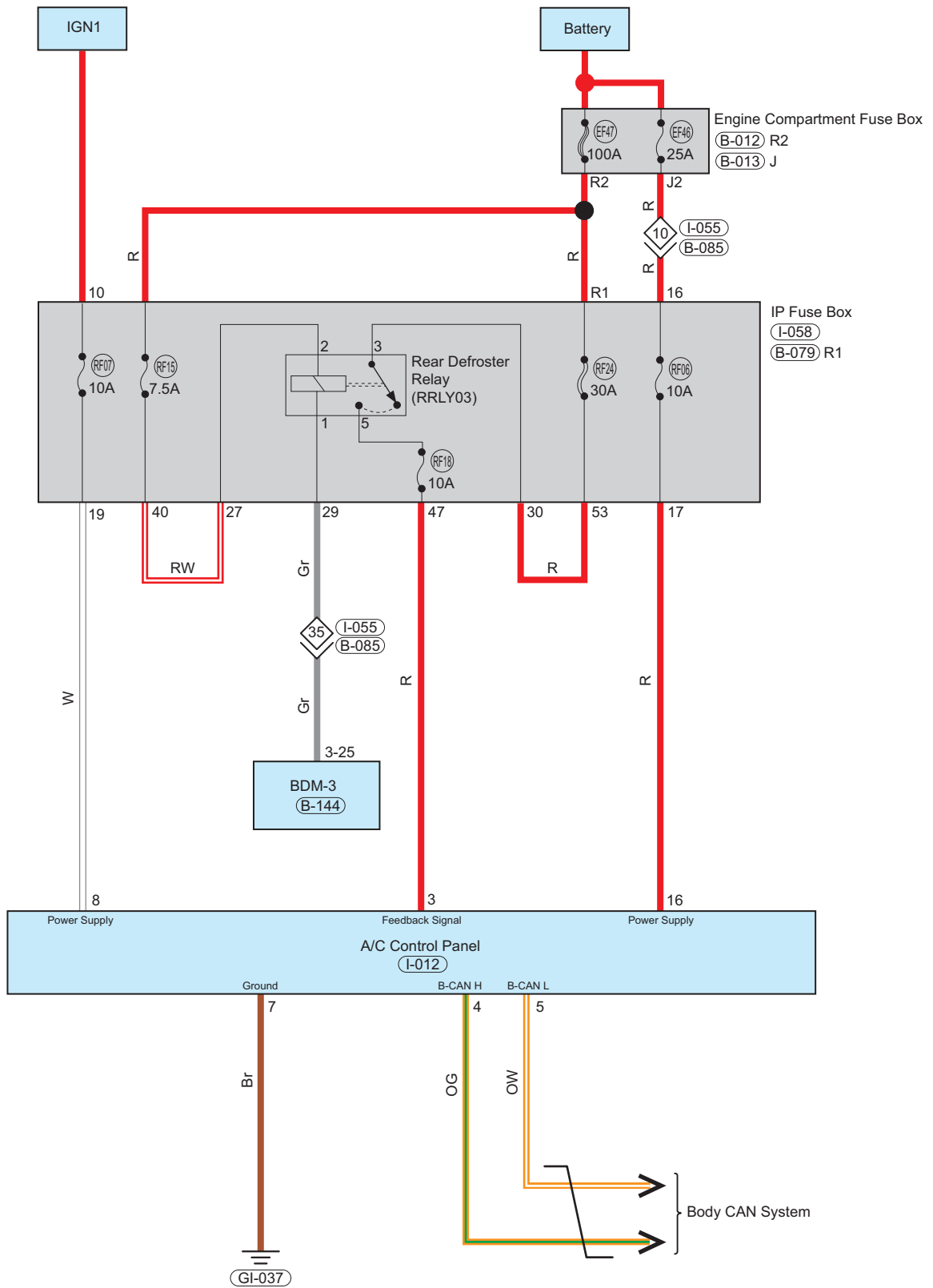
Wire Harness Connector	Name	Page Number
B-024	ESP+EPB Module	10-25
B-045	Brake Switch	10-27
Q-019	Front Right Wheel Speed Sensor	10-16
B-021	Front Left Wheel Speed Sensor	10-25
I-014	Auxiliary Fascia Console Main Switch	10-76
B-099	Rear Left EPB Caliper	10-29
B-067	Rear Right EPB Caliper	10-35
Q-009	Front Bumper Wire Harness to Interior Wire Harness 1	10-17
B-008	Interior Wire Harness to Front Bumper Wire Harness 1	10-25
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
B-013	Engine Compartment Fuse and Relay Box J	10-25
B-016	Engine Compartment Fuse and Relay Box D	10-25
I-058	Instrument Panel Fuse and Relay Box	10-73
GB-023	G601	10-25



## Electric Power Steering System (EPS)

Wire Harness Connector	Name	Page Number
B-075	EPS-P	10-27
I-074	Electronic Power Steering (EPS-S)	10-82
I-046	Angle Sensor	10-73
B-011	Engine Compartment Fuse and Relay Box R3	10-25
I-058	Instrument Panel Fuse and Relay Box	10-73
GB-080	G606	10-27
GI-036	G502	10-76

# Automatic A/C Control Panel



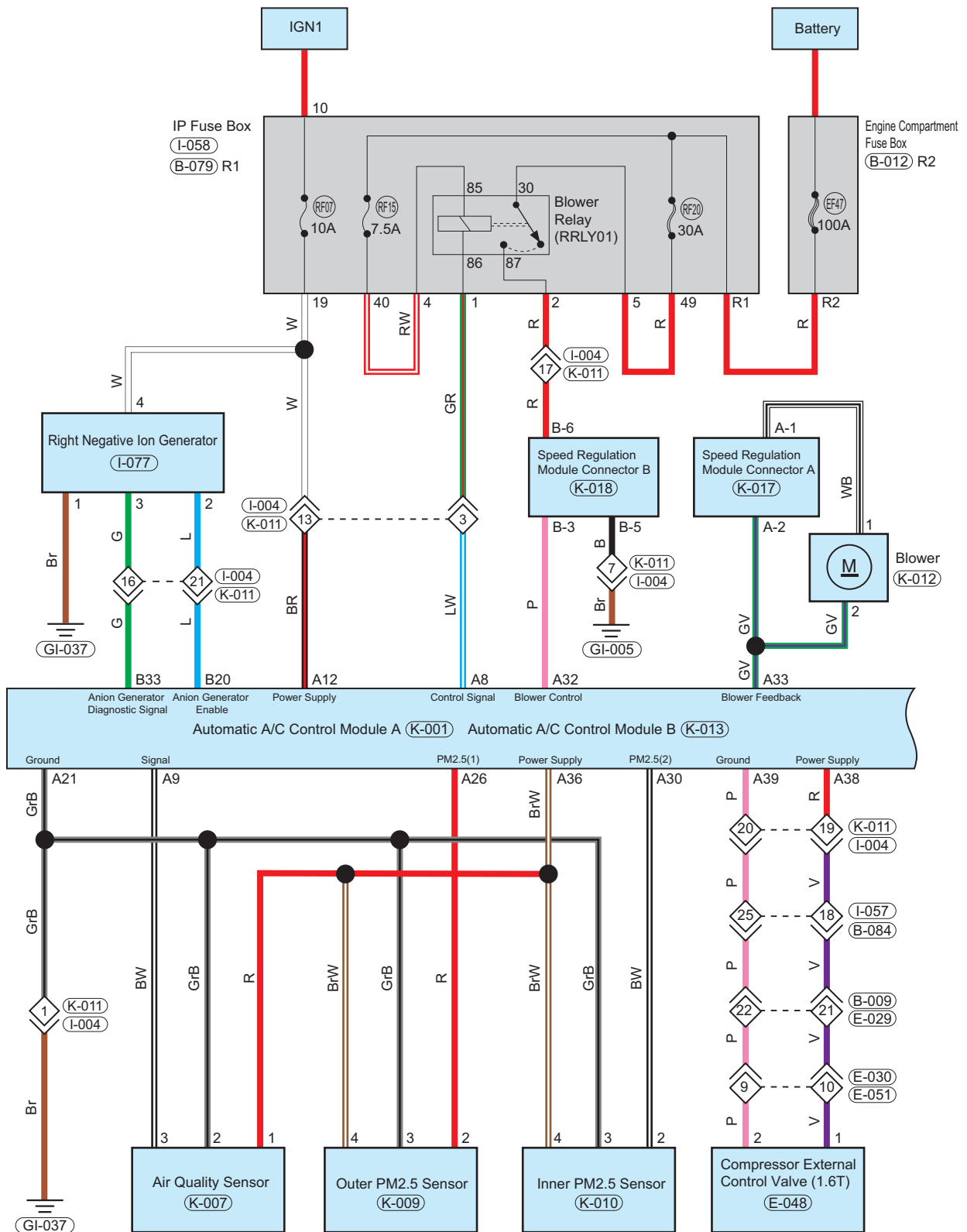
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ACE003001

## Automatic A/C Control Panel

Wire Harness Connector	Name	Page Number
I-012	A/C Control Panel	10-74
B-144	Body Control Module (BDM) - 3	10-39
B-012	Engine Compartment Fuse and Relay Box R2	10-25
B-013	Engine Compartment Fuse and Relay Box J	10-25
I-058	Instrument Panel Fuse Box	10-73
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
GI-037	G503	10-76
B-079	Instrument Panel Fuse and Relay Box R	10-27

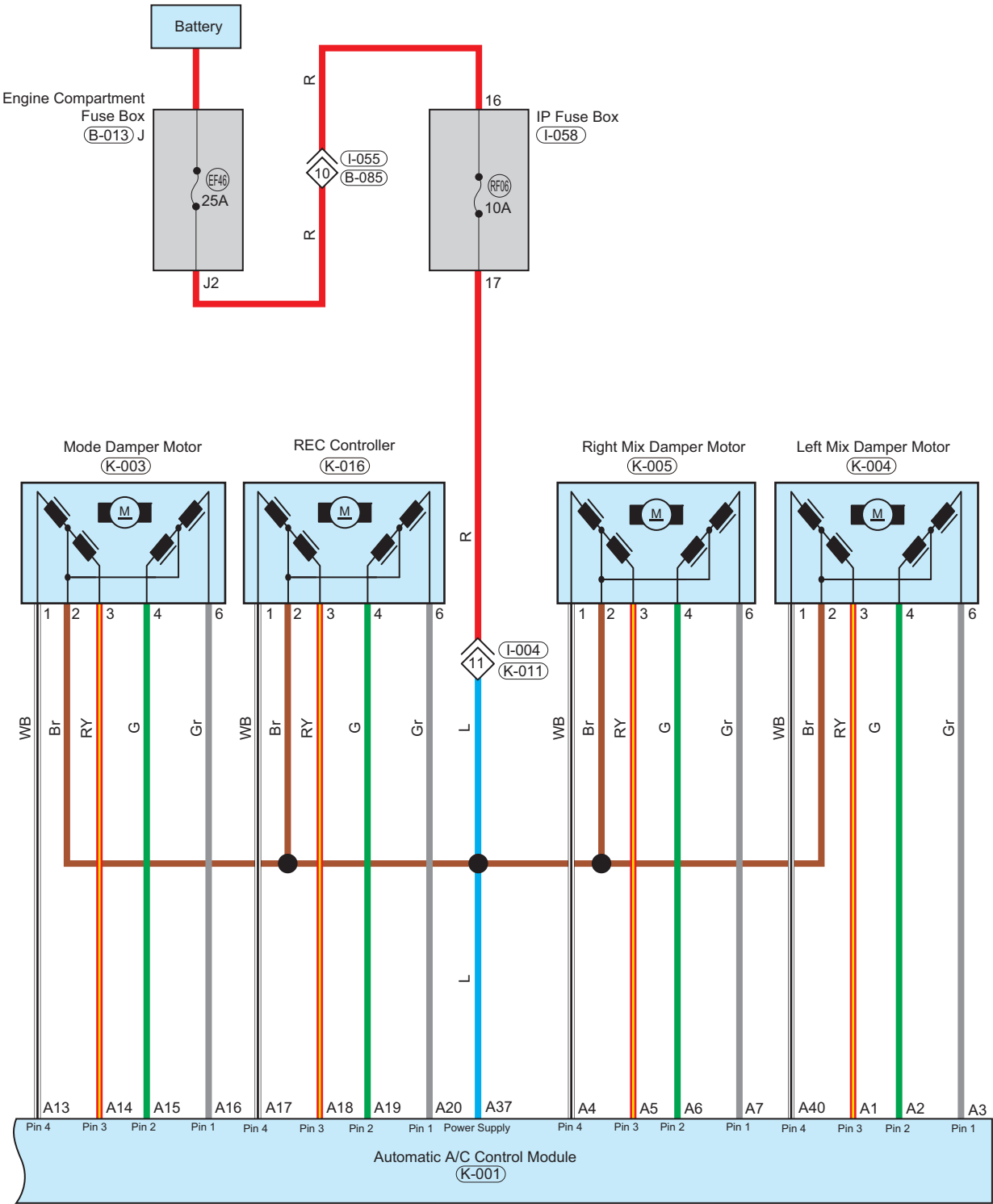
# Automatic A/C Control System (CLM)



ACE001001

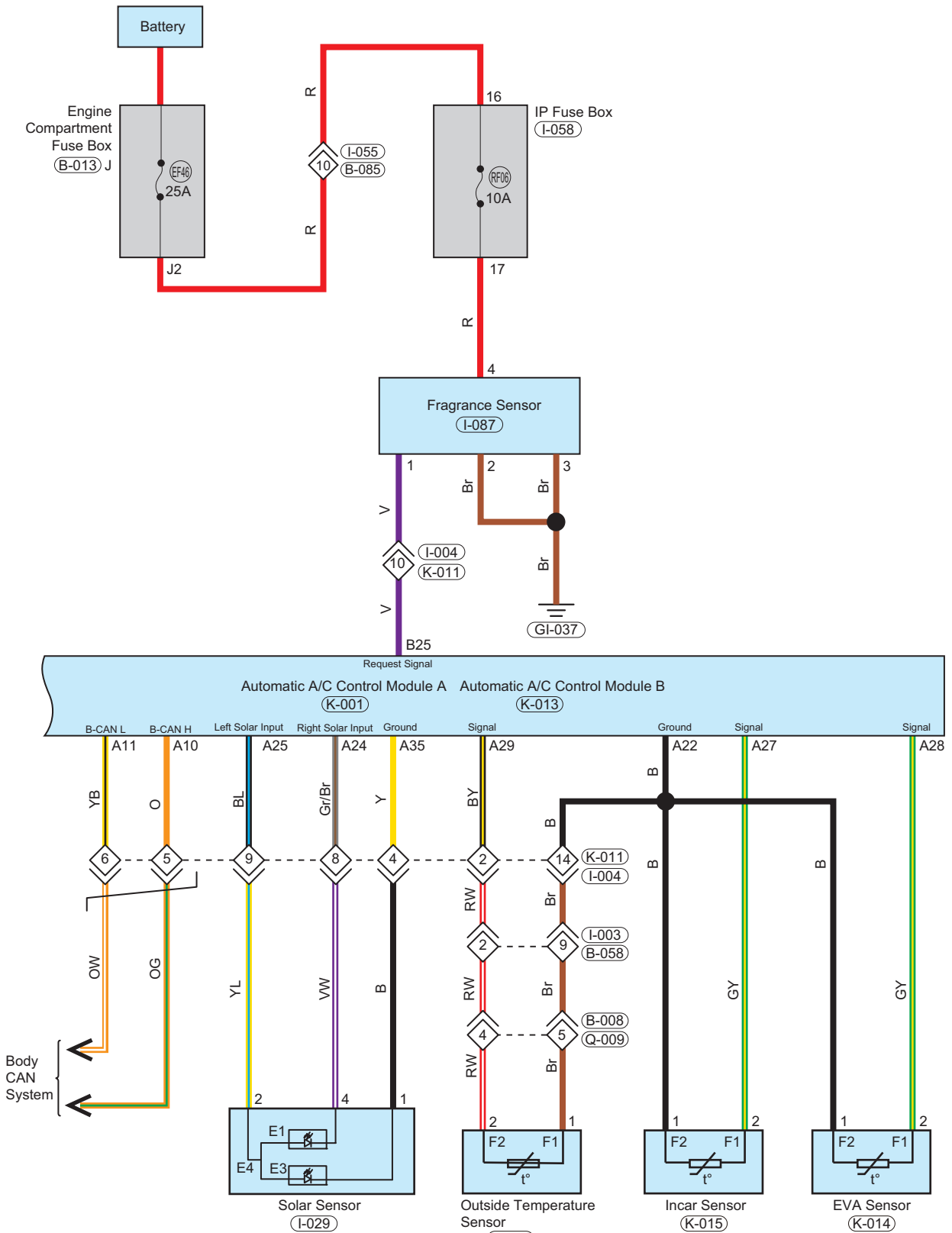


# Automatic A/C Control System (CLM)



ACE002001

# Automatic A/C Control System (CLM)



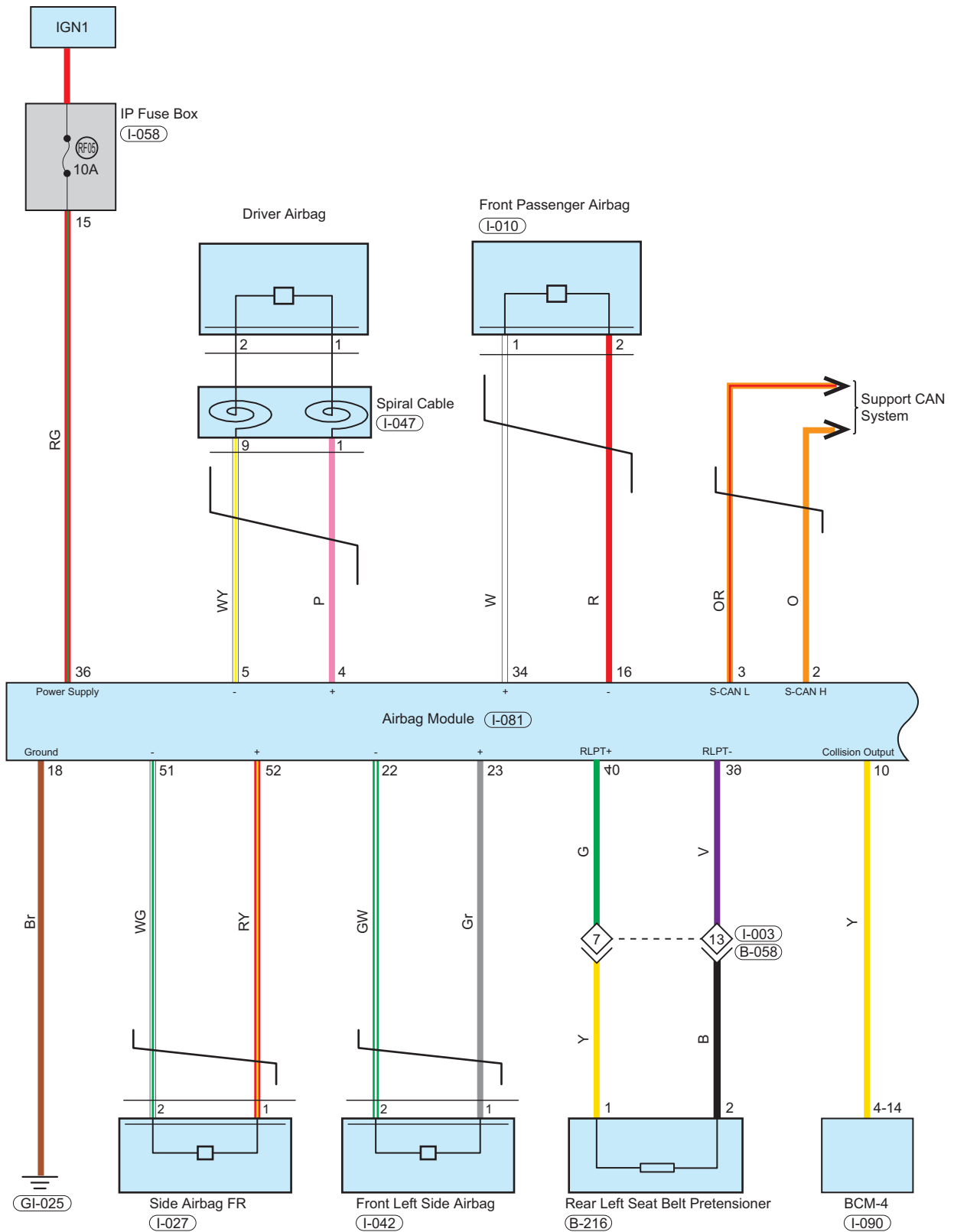
ACE002002

## Automatic A/C Control System (CLM)

Wire Harness Connector	Name	Page Number
K-001	Automatic A/C Control Module A	10-112
K-013	Automatic A/C Control Module B	10-113
I-077	Right Negative Ion Generator	10-78
K-012	Blower	10-112
K-007	Air Quality Sensor	10-111
K-009	Outer PM2.5 Sensor	10-112
K-010	Inner PM2.5 Sensor	10-112
E-048	Compressor External Control Valve (1.6T)	10-14
K-003	Mode Damper Motor	10-111
K-016	REC Controller	10-113
K-004	Left Mix Damper Motor	10-111
K-005	Right Mix Damper Motor	10-112
I-029	Solar Sensor	10-74
Q-011	Outside Temperature Sensor	10-16
K-014	EVA Sensor	10-113
K-015	Incar Sensor	10-113
I-004	Instrument Panel Wire Harness to A/C Wire Harness	10-75
K-011	A/C Wire Harness to Instrument Panel Wire Harness	10-112
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
B-009	Engine Wire Harness Interface 4 (1.6T)	10-53
E-029	Interior Wire Harness Interface 4 (1.6T)	10-2
E-030	Battery Positive Wire Harness Interface (1.6T)	10-2
E-051	Engine Wire Harness Interface (1.6T)	10-14

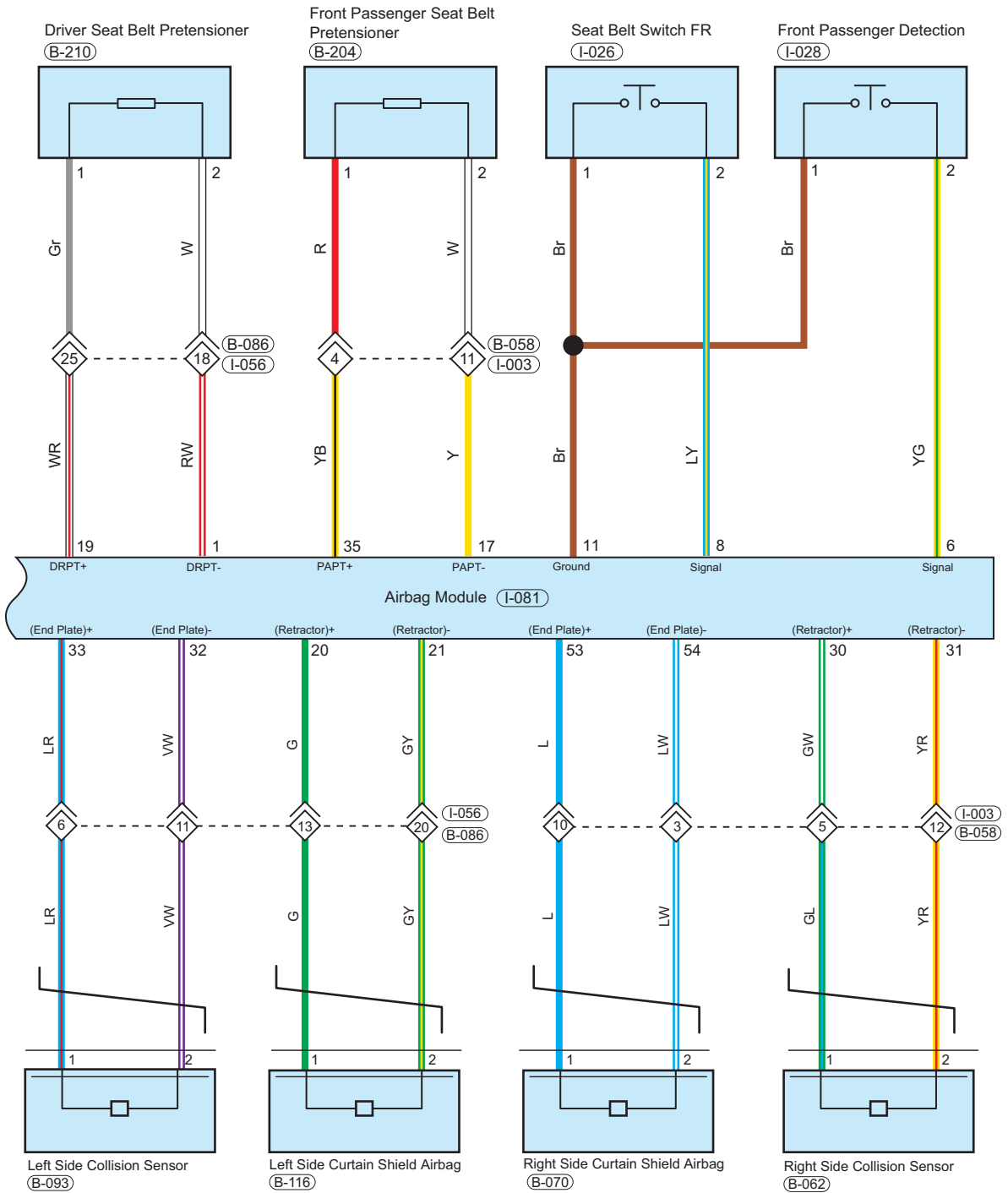
Wire Harness Connector	Name	Page Number
I-003	Instrument Panel Wire Harness to Interior Wire Harness 4	10-75
B-058	Interior Wire Harness to Instrument Panel Wire Harness 4	10-37
Q-009	Front Bumper Wire Harness to Interior Wire Harness 1	10-17
B-008	Interior Wire Harness to Front Bumper Wire Harness 1	10-25
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
B-012	Engine Compartment Fuse and Relay Box R2	10-25
I-058	Instrument Panel Fuse and Relay Box	10-73
B-079	Instrument Panel Fuse and Relay Box R	10-27
B-013	Engine Compartment Fuse and Relay Box J	10-25
GI-037	G503	10-76
GI-005	G501	10-75
I-087	Fragrance Sensor	10-79
K-017	Speed Regulation Module Connector A	10-114
K-018	Speed Regulation Module Connector B	10-114

# Airbag System (SRS)



RSE001001

# Airbag System (SRS)



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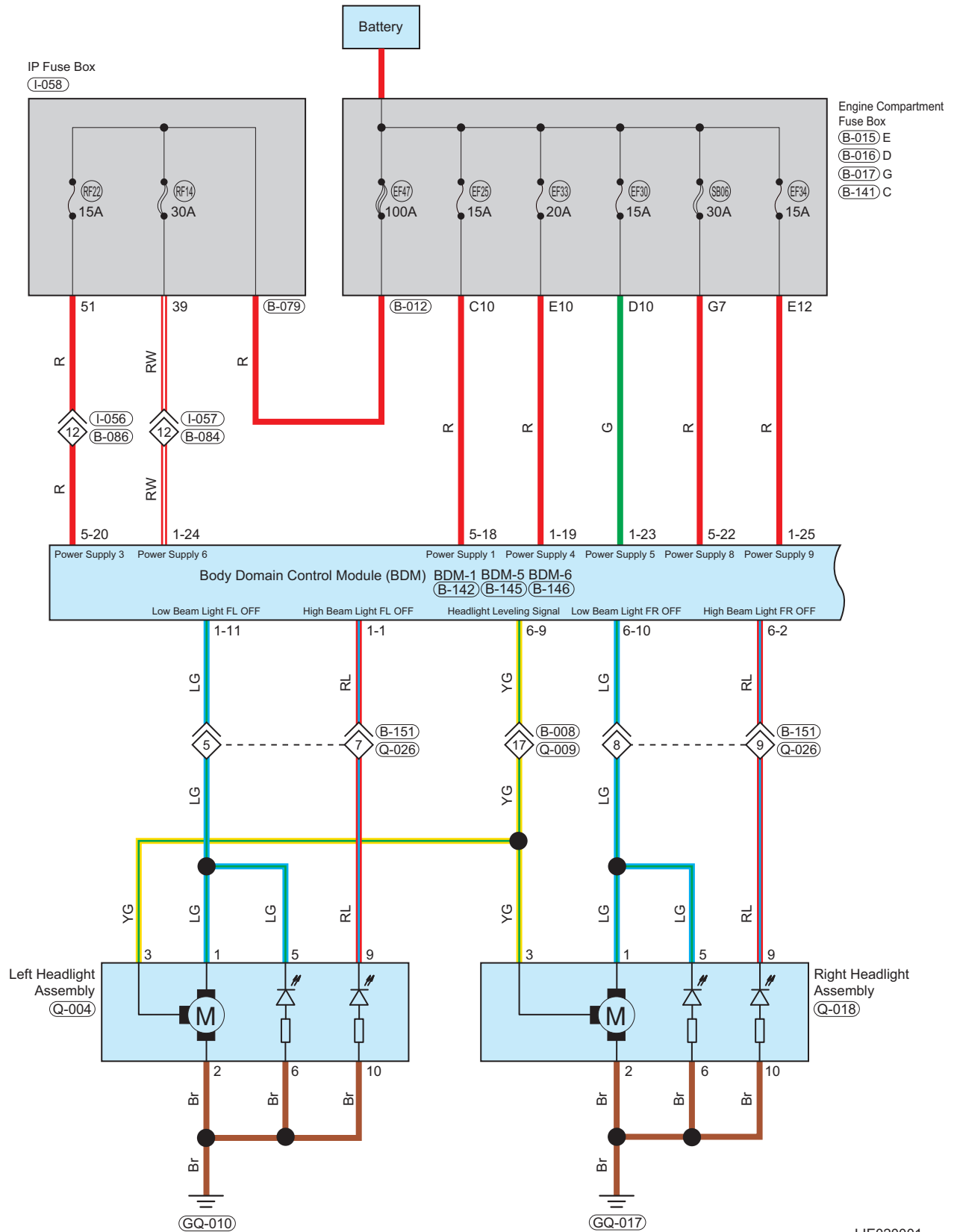
RSE002001

## Airbag System (SRS)

Wire Harness Connector	Name	Page Number
I-081	Airbag Module	10-80
I-047	Spiral Cable	10-73
I-010	Front Right Side Airbag	10-74
I-027	Front Right Side Airbag	10-77
I-042	Front Left Side Airbag	10-76
I-090	Body Control Module (BDM) - 4	10-81
I-026	Front Right Seat Belt Switch	10-77
I-028	Front Passenger Detection	10-77
B-093	Left Side Collision Sensor	10-28
B-116	Left Side Curtain Shield Airbag	10-30
B-070	Right Side Curtain Shield Airbag	10-34
B-062	Right Side Collision Sensor	10-36
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
B-058	Interior Wire Harness to Instrument Panel Wire Harness 4	10-37
I-003	Instrument Panel Wire Harness to Interior Wire Harness 4	10-75
I-058	Instrument Panel Fuse and Relay Box	10-73
GI-025	G504	10-77
B-210	Driver Seat Belt Pretensioner	10-59
B-204	Front Passenger Seat Belt Pretensioner	10-60
B-216	Rear Left Seat Belt Pretensioner	10-63

# Lighting System

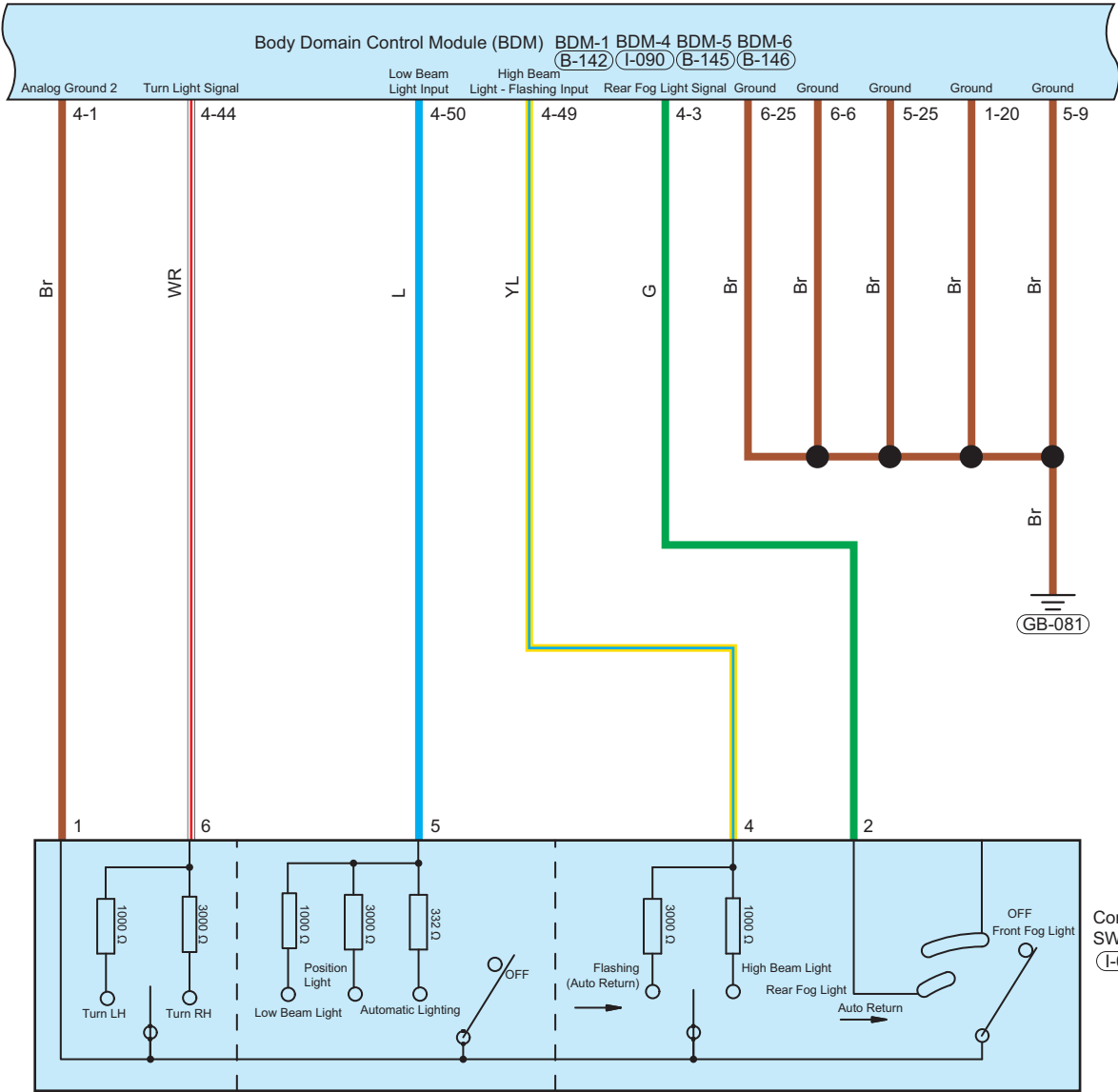
## High/Low Beam Light



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# High/Low Beam Light



Combination SW (I-048)

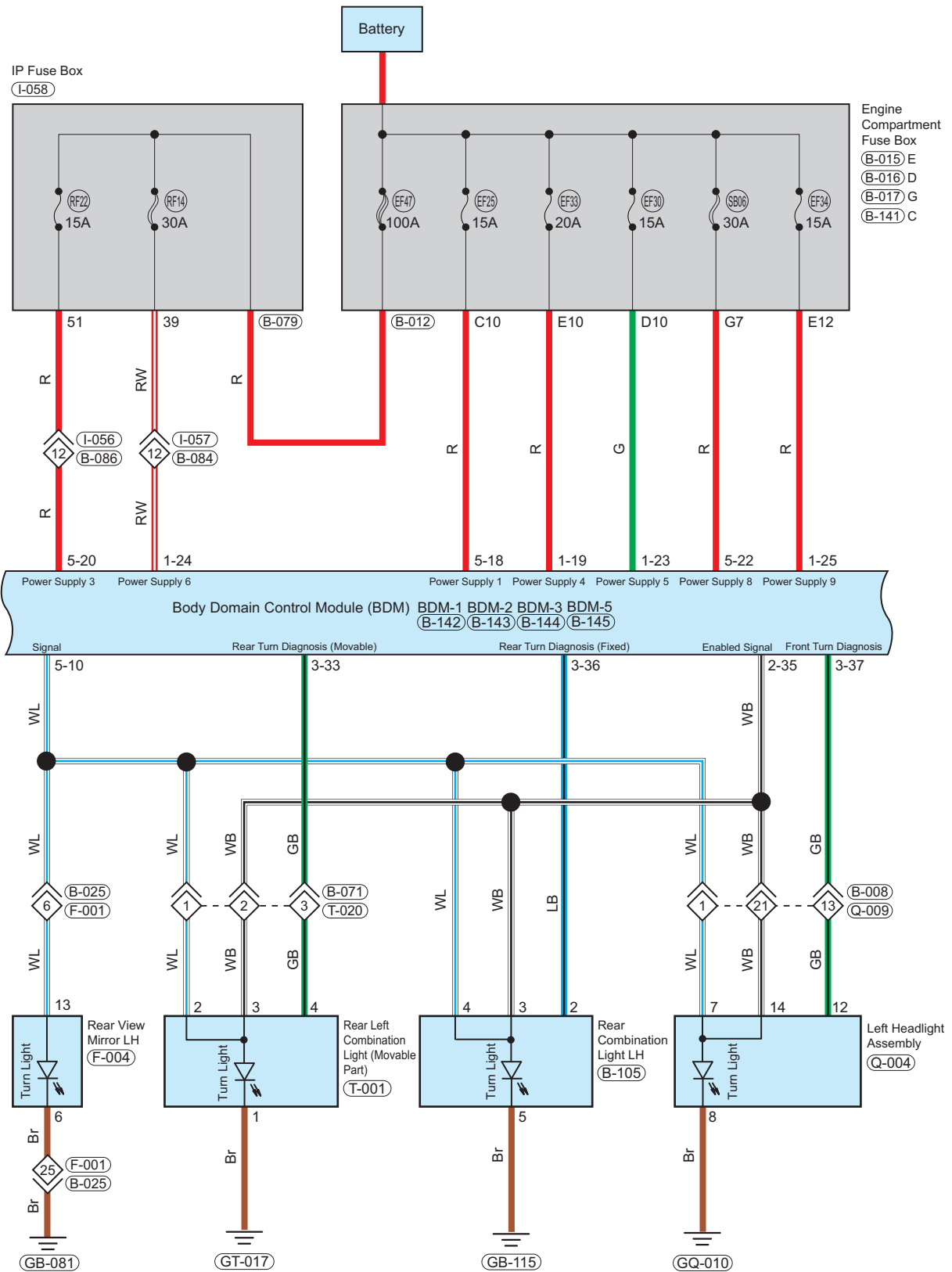
LIE020002

## High/Low Beam Light

Wire Harness Connector	Name	Page Number
B-142	Body Control Module (BDM) - 1	10-39
I-090	Body Control Module (BDM) - 4	10-81
B-145	Body Control Module (BDM) - 5	10-39
B-146	Body Control Module (BDM) - 6	10-39
Q-004	Left Headlight Assembly	10-17
Q-018	Right Headlight Assembly	10-16
I-048	Combination Switch	10-73
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27
B-151	Interior Wire Harness to Front Bumper Wire Harness	10-50
Q-026	Front Bumper Wire Harness to Interior Wire Harness 3	10-19
B-008	Interior Wire Harness to Front Bumper Wire Harness 1	10-25
Q-009	Front Bumper Wire Harness to Interior Wire Harness 1	10-17
Q-026	Front Bumper Wire Harness to Interior Wire Harness 3	10-19
B-151	Interior Wire Harness to Front Bumper Wire Harness	10-50
I-058	Instrument Panel Fuse and Relay Box	10-73
B-079	Instrument Panel Fuse and Relay Box R	10-27
B-012	Engine Compartment Fuse Box R2	10-25
B-015	Engine Compartment Fuse and Relay Box E	10-25
B-016	Engine Compartment Fuse and Relay Box D	10-25

Wire Harness Connector	Name	Page Number
B-017	Engine Compartment Fuse and Relay Box G	10-25
B-141	Engine Compartment Fuse and Relay Box C	10-45
GQ-010	G102	10-17
GQ-017	G101	10-16
GB-081	G605	10-27

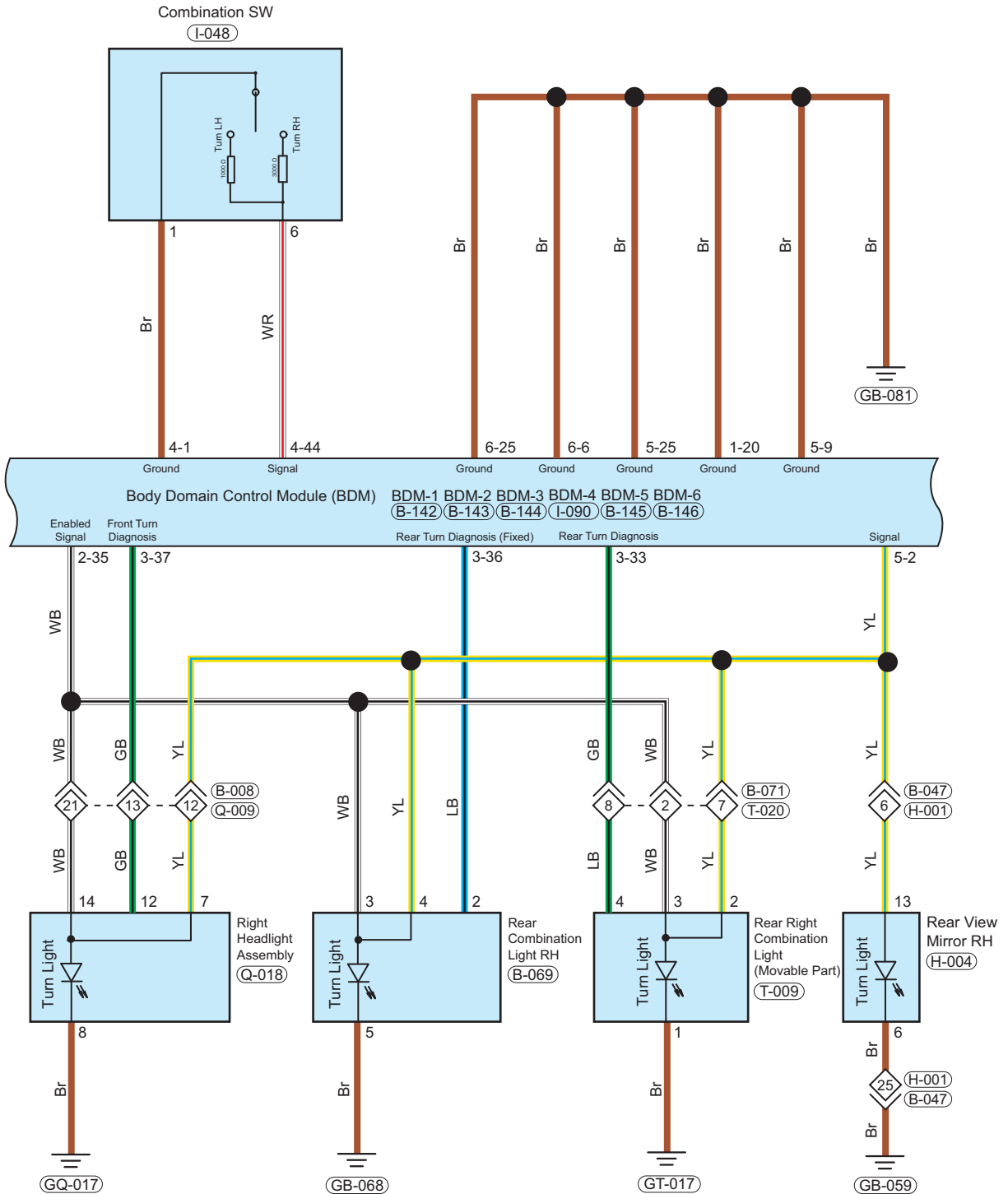
# Turn Light



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# Turn Light



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## Turn Light

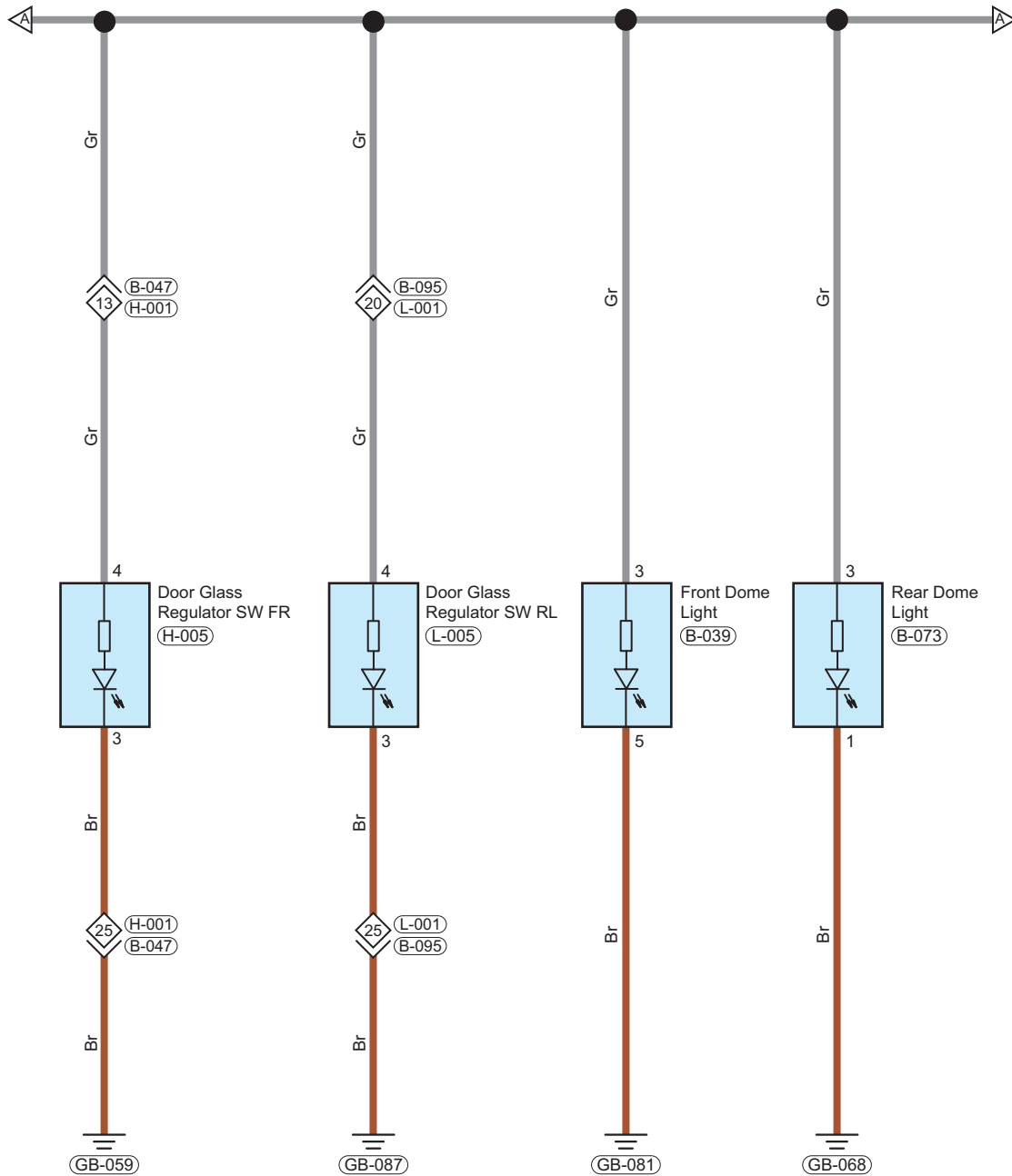
Wire Harness Connector	Name	Page Number
B-142	Body Control Module (BDM) - 1	10-39
B-143	Body Control Module (BDM) - 2	10-39
B-144	Body Control Module (BDM) - 3	10-39
I-090	Body Control Module (BDM) - 4	10-81
B-145	Body Control Module (BDM) - 5	10-39
B-146	Body Control Module (BDM) - 6	10-39
F-004	Left Rear View Mirror	10-91
T-001	Rear Left Combination Light (Movable)	10-105
B-105	Rear Left Combination Light	10-30
Q-004	Left Headlight Assembly	10-17
I-048	Combination Switch	10-73
Q-018	Right Headlight Assembly	10-16
B-069	Rear Right Combination Light (Fixed)	10-34
T-009	Rear Right Combination Light (Movable)	10-105
H-004	Right Rear View Mirror	10-94
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
T-020	Back Door Wire Harness to Interior Wire Harness 2	10-105
B-071	Interior Wire Harness to Back Door Wire Harness	10-31

Wire Harness Connector	Name	Page Number
Q-009	Front Bumper Wire Harness to Interior Wire Harness 1	10-17
B-008	Interior Wire Harness to Front Bumper Wire Harness 1	10-25
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
I-058	Instrument Panel Fuse and Relay Box	10-73
B-079	Instrument Panel Fuse and Relay Box R	10-27
B-012	Engine Compartment Fuse Box R2	10-25
B-015	Engine Compartment Fuse Box E	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-141	Engine Compartment Fuse Box C	10-45
GB-081	G605	10-27
GT-017	G701	10-105
GB-115	G608	10-32
GQ-010	G102	10-17
GQ-017	G101	10-16
GB-068	G609	10-34
GB-059	G610	10-37



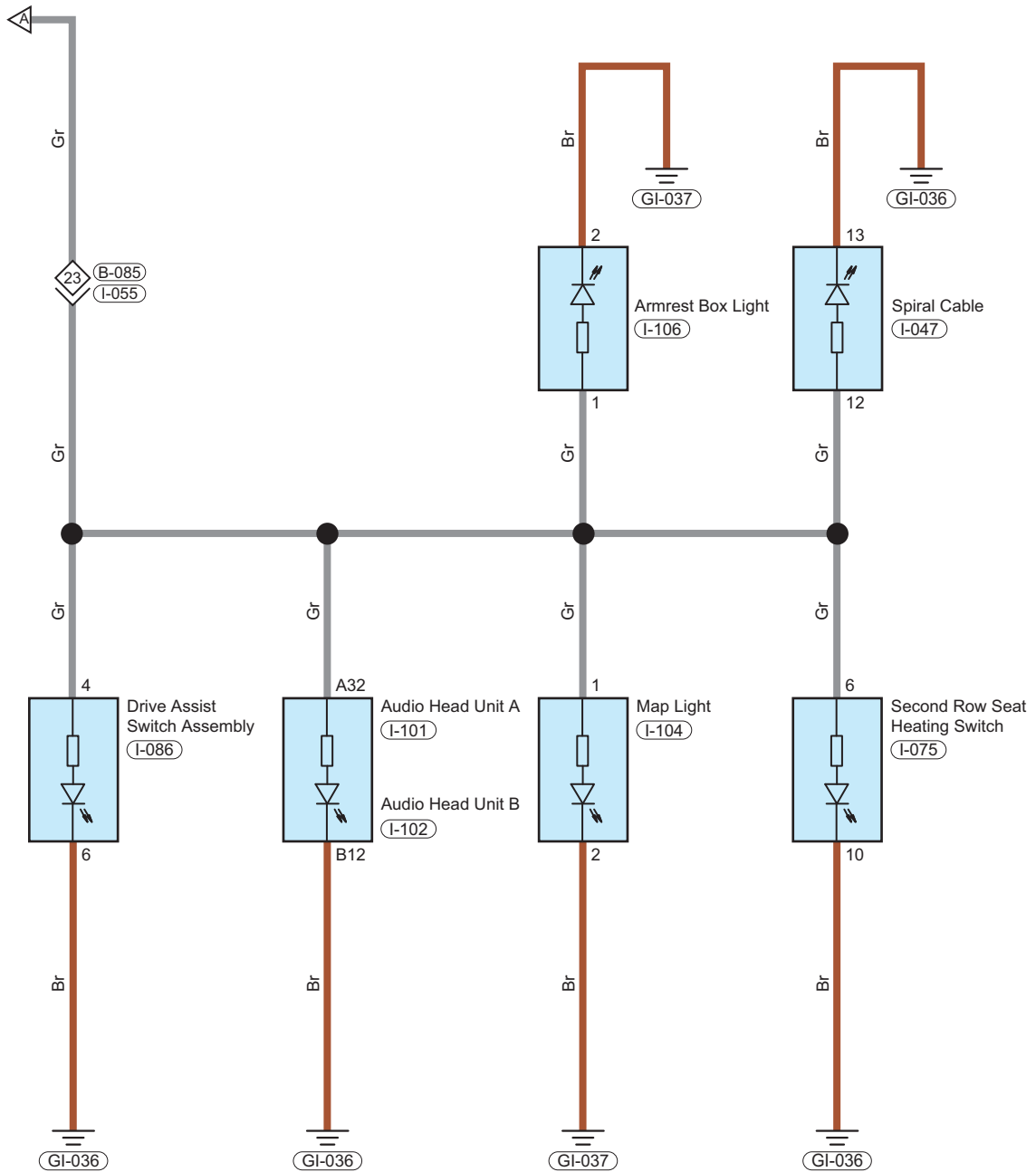


# Backlight



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# Backlight



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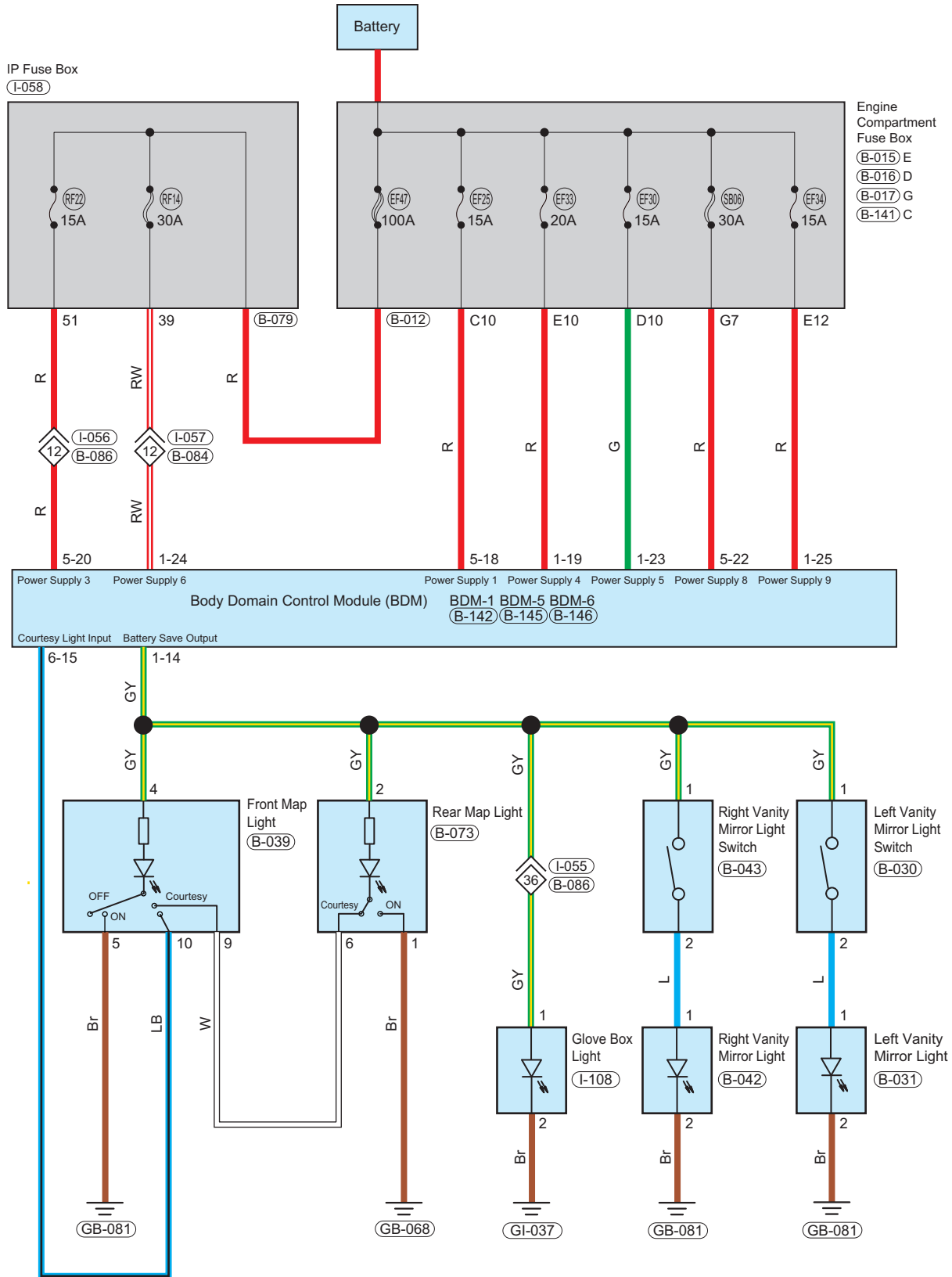
LIE003001

## Backlight

Wire Harness Connector	Name	Page Number
B-142	Body Control Module (BDM) - 1	10-39
B-143	Body Control Module (BDM) - 2	10-39
I-090	Body Control Module (BDM) - 4	10-81
B-145	Body Control Module (BDM) - 5	10-39
I-048	Combination Switch	10-73
F-006	Four-door Glass Regulator Switch	10-91
F-013	Front Left Memory Seat Switch	10-92
R-005	Rear Right Glass Regulator Switch	10-101
H-005	Front Right Door Glass Regulator Switch	10-94
L-005	Rear Left Glass Regulator Switch	10-97
B-039	Front Dome Light	10-38
I-086	Drive Assist Switch Assembly	10-79
I-101	Audio Head Unit A	10-80
I-102	Audio Head Unit B	10-80
I-104	Map Light	10-83
B-073	Rear Dome Light	10-31
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
B-066	Interior Wire Harness to Rear Right Door Wire Harness	10-36
R-001	Rear Right Door Wire Harness to Interior Wire Harness	10-101

Wire Harness Connector	Name	Page Number
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
L-001	Rear Left Door Wire Harness to Interior Wire Harness	10-97
B-095	Interior Wire Harness to Rear Left Door Wire Harness	10-28
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
I-058	Instrument Panel Fuse and Relay Box	10-73
B-079	Instrument Panel Fuse and Relay Box R	10-27
B-012	Engine Compartment Fuse Box R2	10-25
B-015	Engine Compartment Fuse Box E	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-141	Engine Compartment Fuse Box C	10-45
GB-081	G605	10-27
GB-059	G610	10-37
GB-087	G607	10-28
GI-036	G502	10-76
GI-037	G503	10-76
GB-068	G609	10-34
I-075	Second Row Seat Heating Switch	10-85
I-106	Armrest Box Light	10-85
I-047	Spiral Cable	10-73

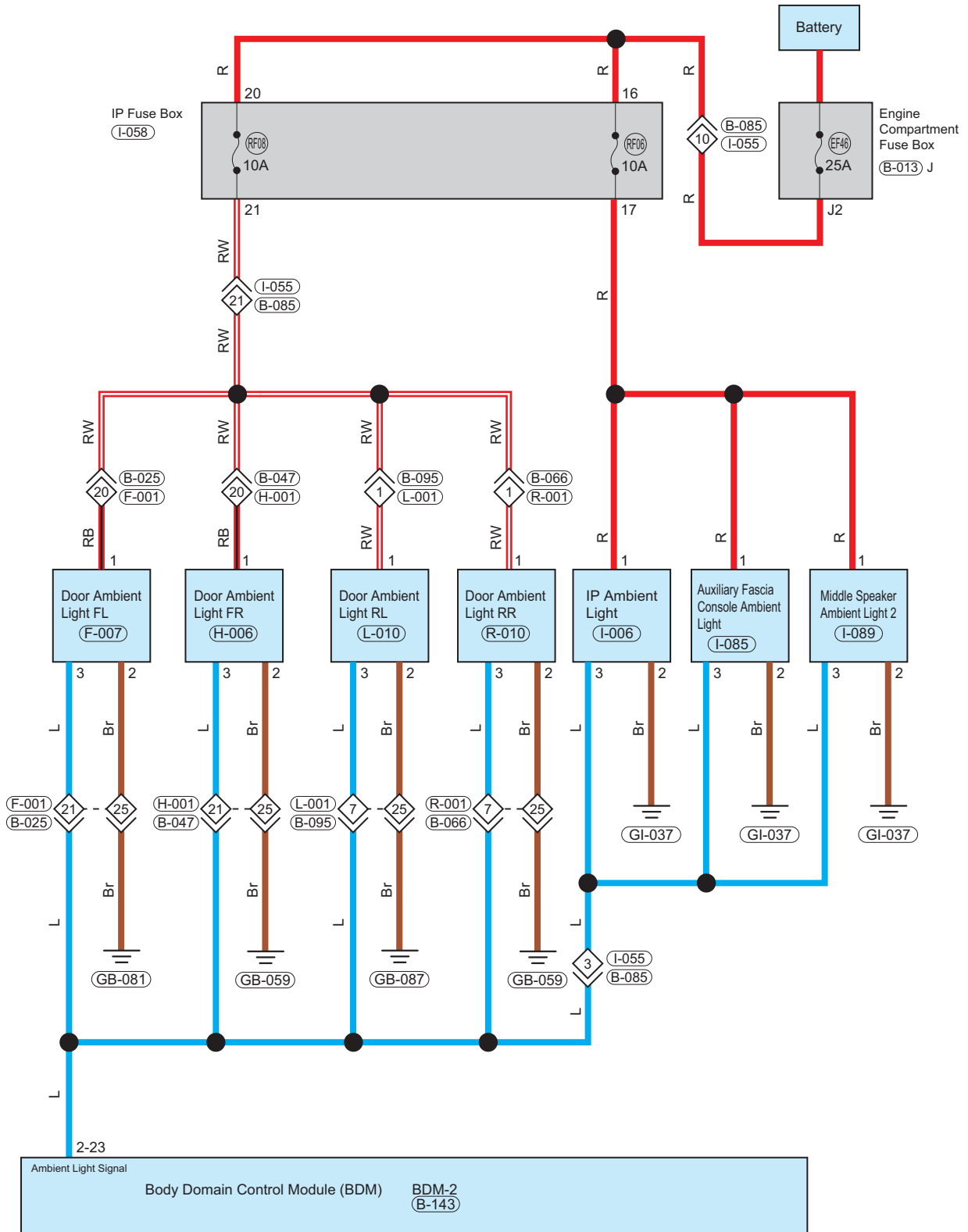
# Map Light, Ambient Light, Luggage Compartment Light, Vanity Mirror Light, Ornament Light



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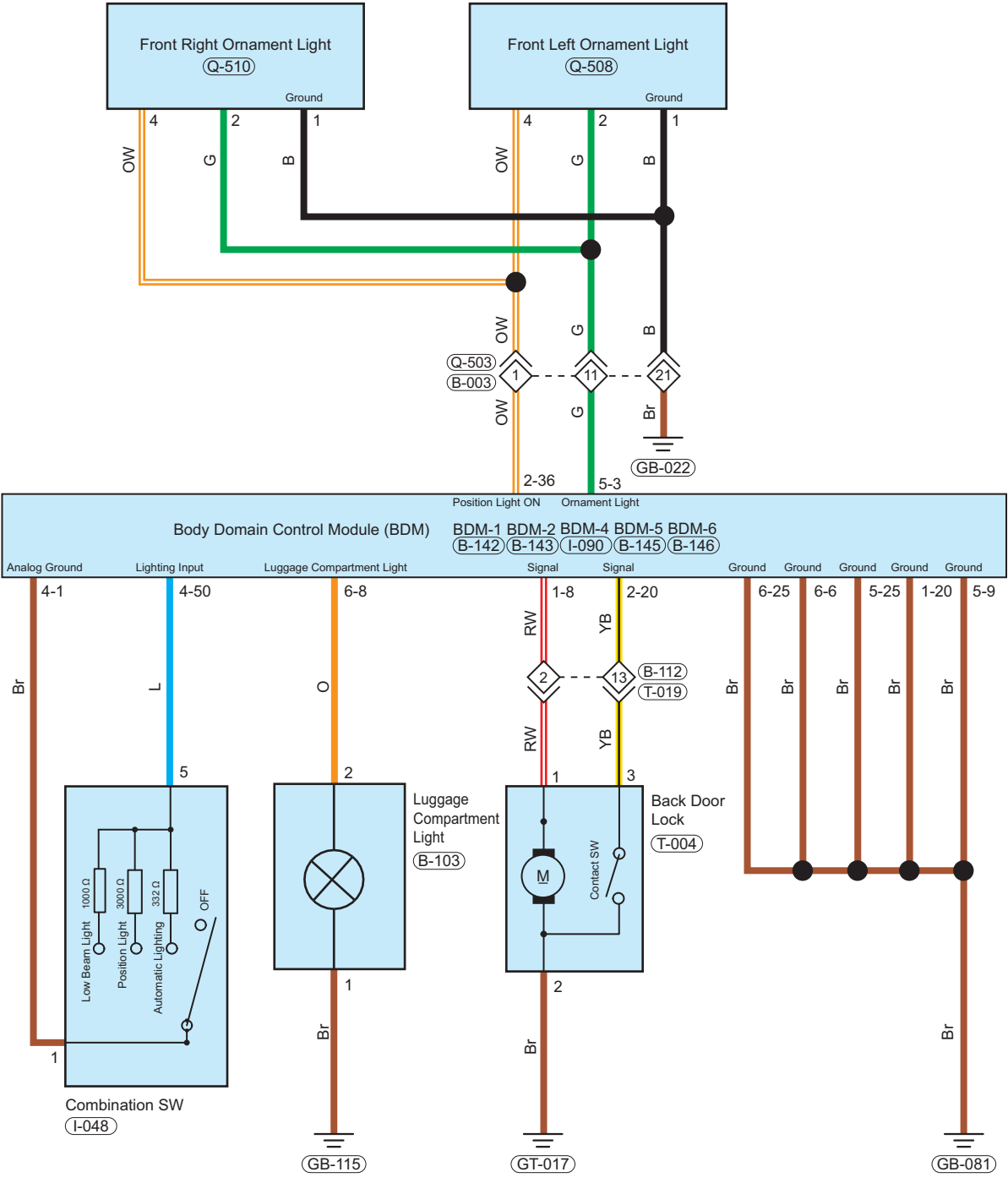
# Map Light, Ambient Light, Luggage Compartment Light, Vanity Mirror Light, Ornament Light



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# Map Light, Ambient Light, Luggage Compartment Light, Vanity Mirror Light, Ornament Light



LIE014003

## Map Light, Ambient Light, Luggage Compartment Light, Vanity Mirror Light, Ornament Light

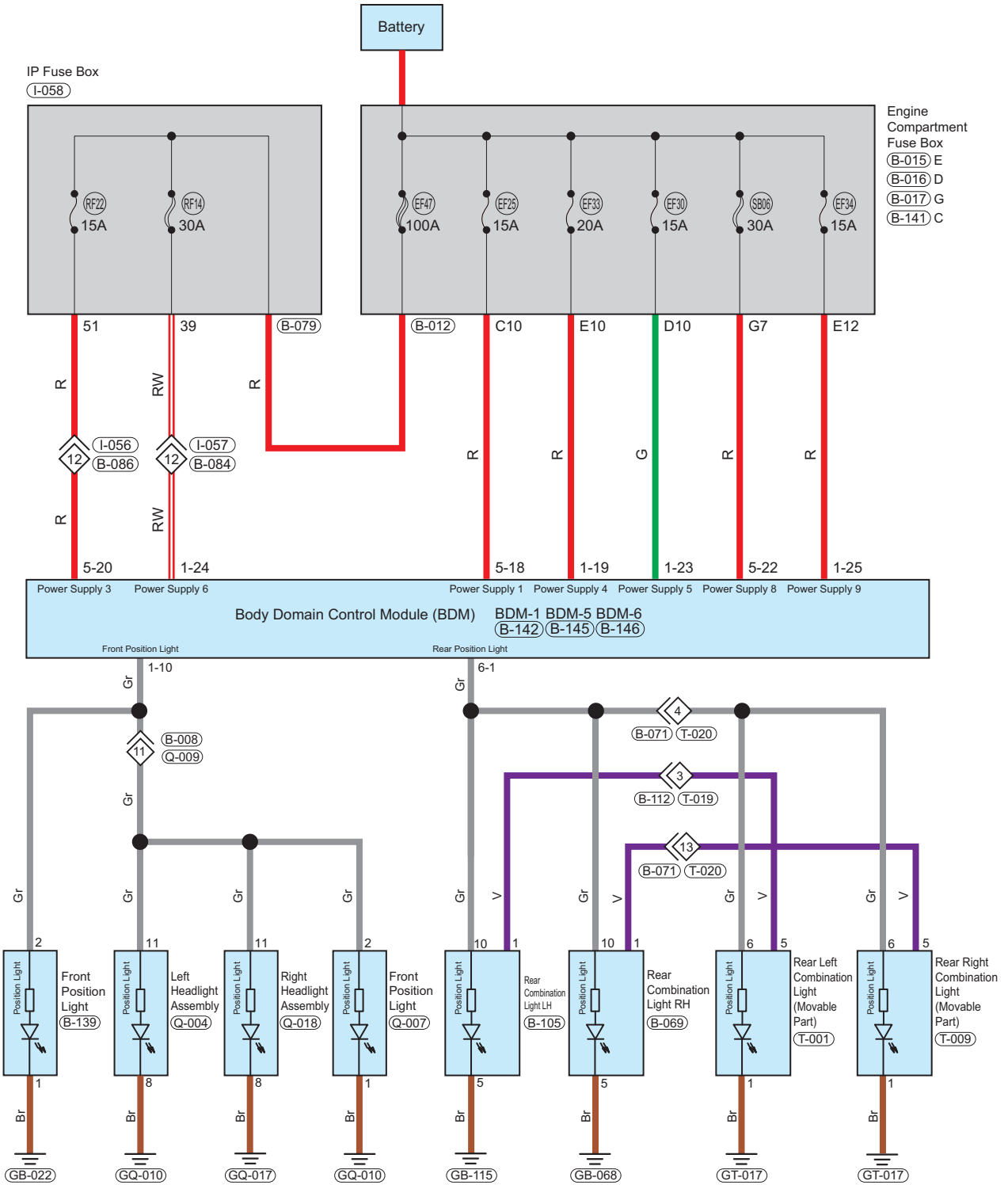
Wire Harness Connector	Name	Page Number
B-142	Body Control Module (BDM) - 1	10-39
B-143	Body Control Module (BDM) - 2	10-39
B-144	Body Control Module (BDM) - 3	10-39
I-090	Body Control Module (BDM) - 4	10-81
B-145	Body Control Module (BDM) - 5	10-39
B-146	Body Control Module (BDM) - 6	10-39
B-039	Front Dome Light	10-38
B-073	Rear Dome Light	10-31
B-043	Right Vanity Mirror Light Switch	10-38
B-030	Left Vanity Mirror Light Switch	10-38
B-042	Right Vanity Mirror Light	10-38
B-031	Left Vanity Mirror Light	10-38
F-007	Front Left Door Ambient Light	10-91
H-006	Front Right Door Ambient Light	10-94
I-006	Instrument Panel Ambient Light	10-75
I-085	Auxiliary Fascia Console Ambient Light	10-80
I-089	Middle Speaker Ambient Light 2	10-79
I-048	Combination Switch	10-73
B-103	Luggage Compartment Light	10-30
T-004	Back Door Lock Motor	10-105
Q-508	Front Left Ornament Light	10-22
Q-510	Front Right Ornament Light	10-22
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27



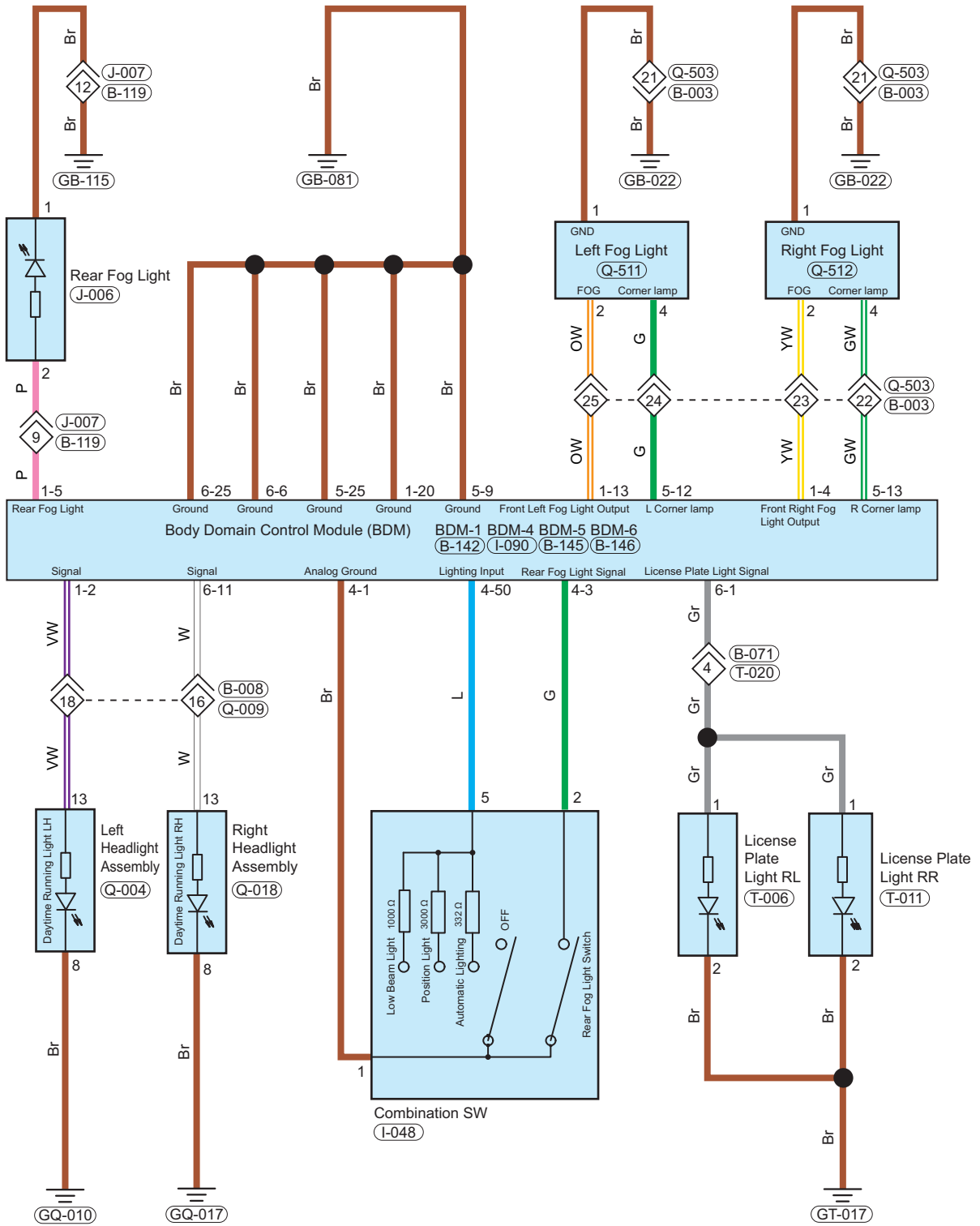
Wire Harness Connector	Name	Page Number
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
B-112	Interior Wire Harness to Back Door Wire Harness 1	10-31
T-019	Back Door Wire Harness to Interior Wire Harness 1	10-105
Q-503	Front Radar Wire Harness to Interior Wire Harness	10-21
B-003	Front Radar Wire Harness to Interior Wire Harness	10-26
I-058	Instrument Panel Fuse and Relay Box	10-73
B-079	Instrument Panel Fuse and Relay Box R	10-27
B-012	Engine Compartment Fuse Box R2	10-25
B-015	Engine Compartment Fuse and Relay Box E	10-25
B-016	Engine Compartment Fuse and Relay Box D	10-25
B-017	Engine Compartment Fuse and Relay Box G	10-25
B-141	Engine Compartment Fuse and Relay Box C	10-45
B-013	Engine Compartment Fuse and Relay Box J	10-25
GB-081	G605	10-27
GB-068	G609	10-34
GB-059	G610	10-37

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
GI-037	G503	10-76
GB-115	G608	10-32
GT-017	G701	10-105
GB-022	G603	10-25
L-010	Rear Left Door Ambient Light	10-99
R-010	Rear Right Door Ambient Light	10-103
L-001	Interior Wire Harness Interface	10-97
R-001	Interior Wire Harness Interface	10-101
B-095	Rear Left Door Wire Harness Interface	10-28
B-066	Rear Right Door Wire Harness Interface	10-36
GB-087	G607	10-28
I-108	Glove Box Light	10-84

# Position Light, License Plate Light, Daytime Running Light, Rear Fog Light, Left Fog Light, Right Fog Light



# Position Light, License Plate Light, Daytime Running Light, Rear Fog Light, Left Fog Light, Right Fog Light



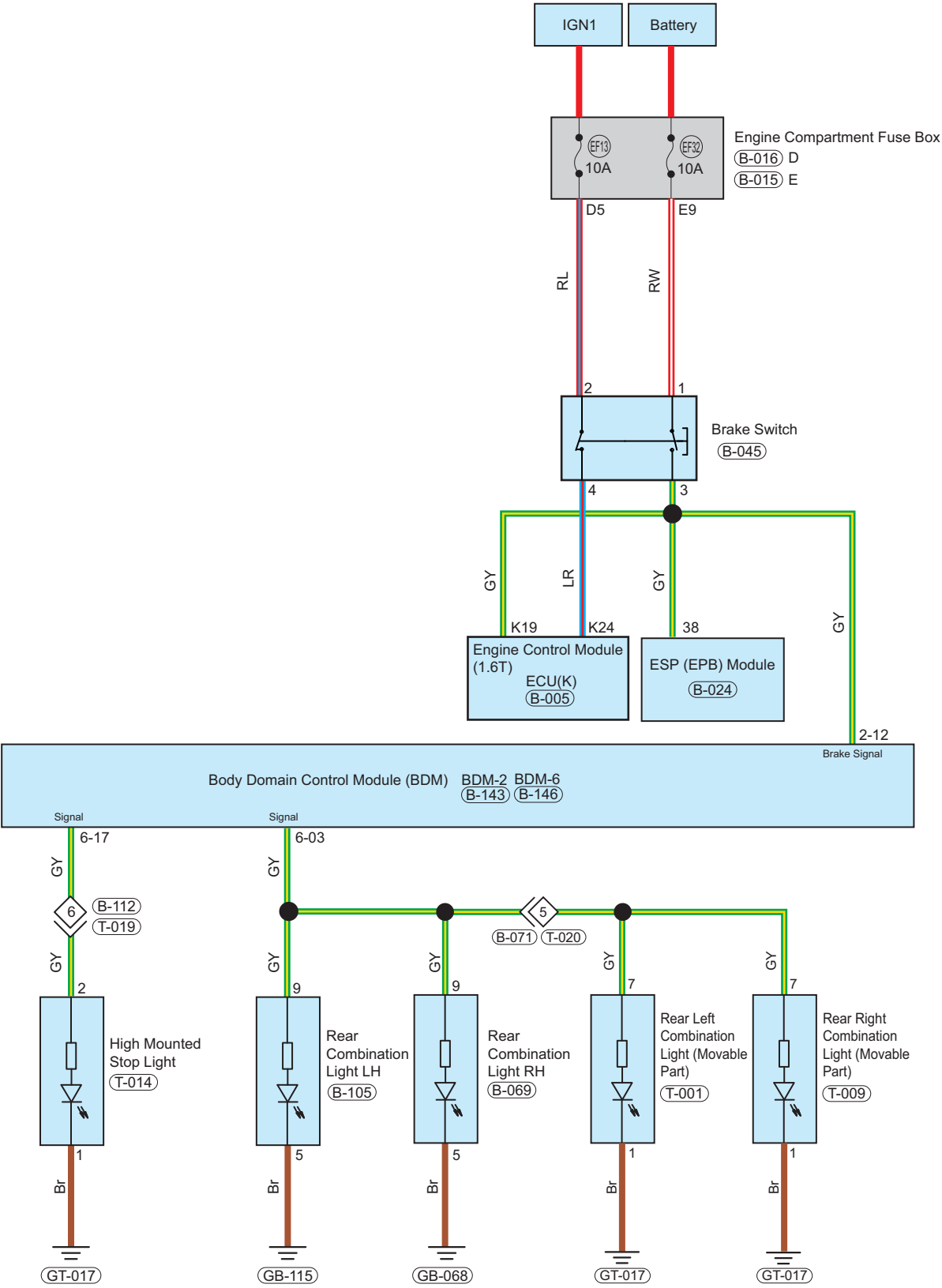
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## Position Light, License Plate Light, Daytime Running Light, Rear Fog Light, Left Fog Light, Right Fog Light

Wire Harness Connector	Name	Page Number
B-142	Body Control Module (BDM) - 1	10-39
B-143	Body Control Module (BDM) - 2	10-39
I-090	Body Control Module (BDM) - 4	10-81
B-145	Body Control Module (BDM) - 5	10-39
B-146	Body Control Module (BDM) - 6	10-39
Q-004	Left Headlight Assembly	10-17
B-139	Front Position Light	10-39
Q-018	Right Headlight Assembly	10-16
Q-007	Front Position Light	10-17
B-105	Rear Left Combination Light	10-30
B-069	Rear Right Combination Light	10-34
T-001	Rear Left Combination Light (Movable)	10-105
T-009	Rear Right Combination Light (Movable)	10-105
T-006	Left License Plate Light	10-105
I-048	Combination Switch-Lighting	10-73
T-011	Right License Plate Light	10-105
J-006	Rear Fog Light	10-109
B-012	Engine Compartment Fuse Box R2	10-25
B-015	Engine Compartment Fuse Box E	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-141	Engine Compartment Fuse Box C	10-45
I-058	Instrument Panel Fuse Box	10-73
B-079	Instrument Panel Fuse Box R	10-27
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27

Wire Harness Connector	Name	Page Number
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27
B-008	Interior Wire Harness to Front Bumper Wire Harness 1	10-25
Q-009	Front Bumper Wire Harness to Interior Wire Harness 1	10-17
B-071	Interior Wire Harness to Back Door Wire Harness 2	10-31
T-020	Back Door Wire Harness to Interior Wire Harness 2	10-105
J-007	Rear Bumper Wire Harness to Interior Wire Harness	10-109
B-119	Interior Wire Harness to Rear Bumper Wire Harness	10-32
GB-022	G603	10-25
GQ-010	G102	10-17
GQ-017	G101	10-16
GB-115	G608	10-32
GB-068	G609	10-34
GB-081	G605	10-27
GT-017	G701	10-105
Q-511	Left Fog Light	10-23
Q-512	Right Fog Light	10-23

# Brake Light



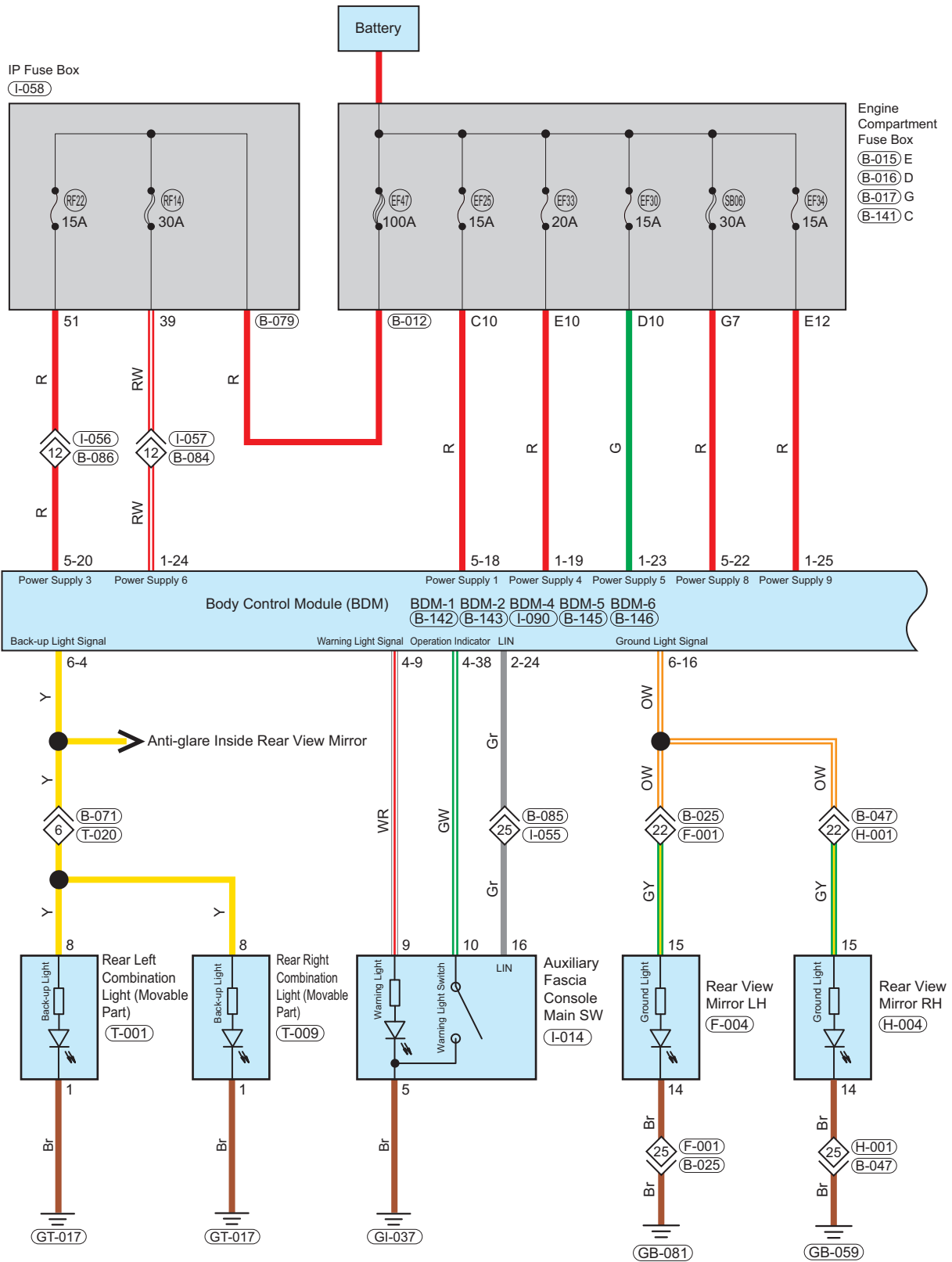
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## Brake Light

Wire Harness Connector	Name	Page Number
B-143	Body Control Module (BDM) - 2	10-39
B-146	Body Control Module (BDM) - 6	10-39
B-005	ECU (K) (1.6T)	10-53
B-024	ESP+EPB Module	10-25
B-045	Brake Switch	10-27
T-014	High Mounted Stop Light	10-105
B-105	Rear Left Combination Light	10-30
B-069	Rear Right Combination Light	10-34
T-001	Rear Left Combination Light (Movable)	10-105
T-009	Rear Right Combination Light (Movable)	10-105
B-014	Engine Compartment Fuse Box H	10-25
B-141	Engine Compartment Fuse Box C	10-45
B-016	Engine Compartment Fuse and Relay Box D	10-25
B-015	Engine Compartment Fuse and Relay Box E	10-25
B-112	Interior Wire Harness to Back Door Wire Harness 1	10-31
T-019	Back Door Wire Harness to Interior Wire Harness 1	10-105
B-071	Interior Wire Harness to Back Door Wire Harness 2	10-31
T-020	Back Door Wire Harness to Interior Wire Harness 2	10-105
GT-017	G701	10-105
GB-115	G608	10-32
GB-068	G609	10-34



# Ground Light, Alarm Light, Back-up Light

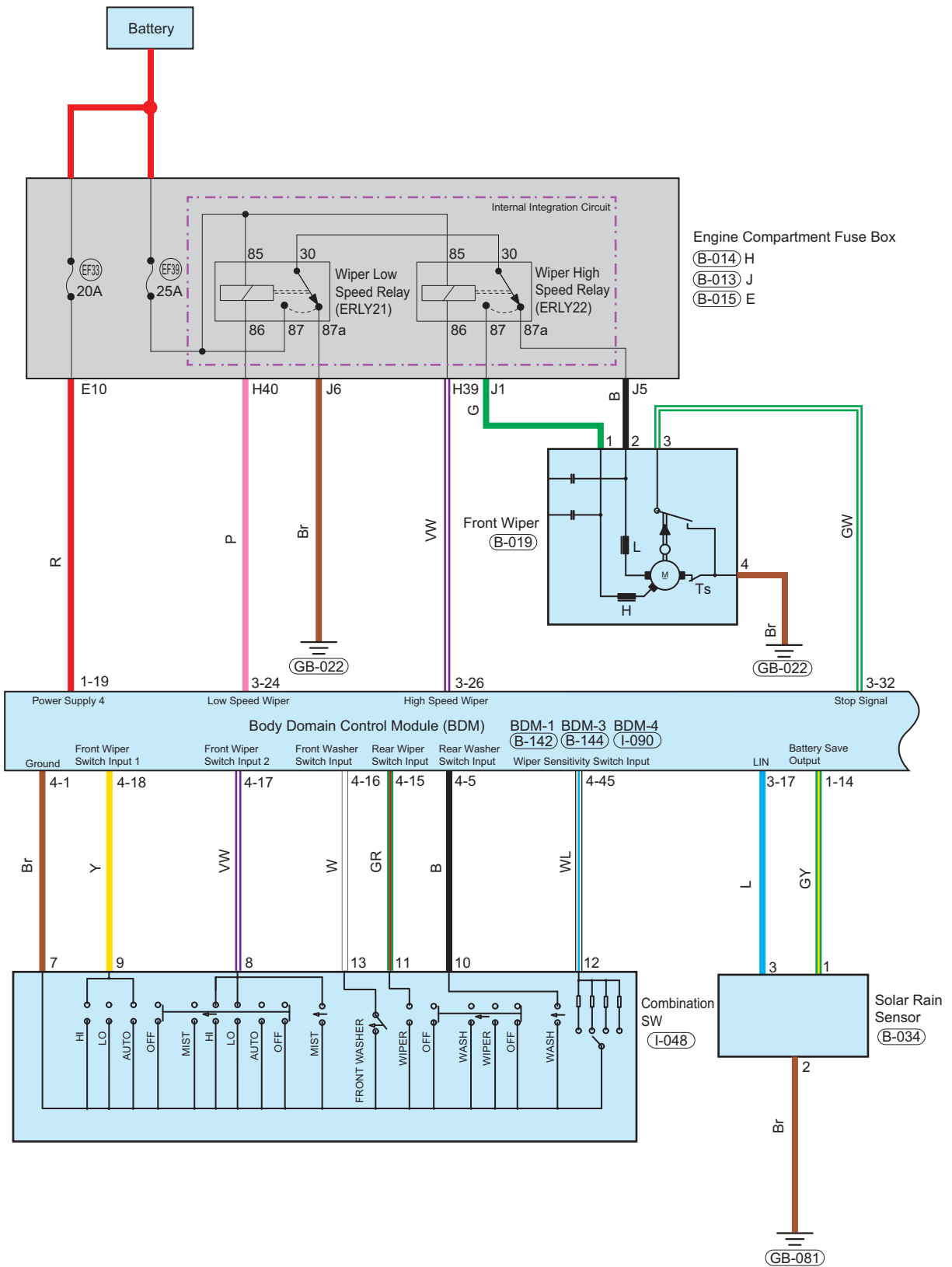


## Ground Light, Alarm Light, Back-up Light

Wire Harness Connector	Name	Page Number
B-012	Engine Compartment Fuse Box R2	10-25
B-015	Engine Compartment Fuse Box E	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
GB-059	G610	10-37
B-071	Interior Wire Harness to Back Door Wire Harness 2	10-31
B-079	Instrument Panel Fuse and Relay Box R	10-27
GB-081	G605	10-27
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
B-141	Engine Compartment Fuse Box C	10-45
B-142	Body Control Module (BDM) - 1	10-39
B-143	Body Control Module (BDM) - 2	10-39
B-145	Body Control Module (BDM) - 5	10-39
B-146	Body Control Module (BDM) - 6	10-39
I-014	Auxiliary Fascia Console Main Switch	10-76
GI-037	G503	10-76
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73

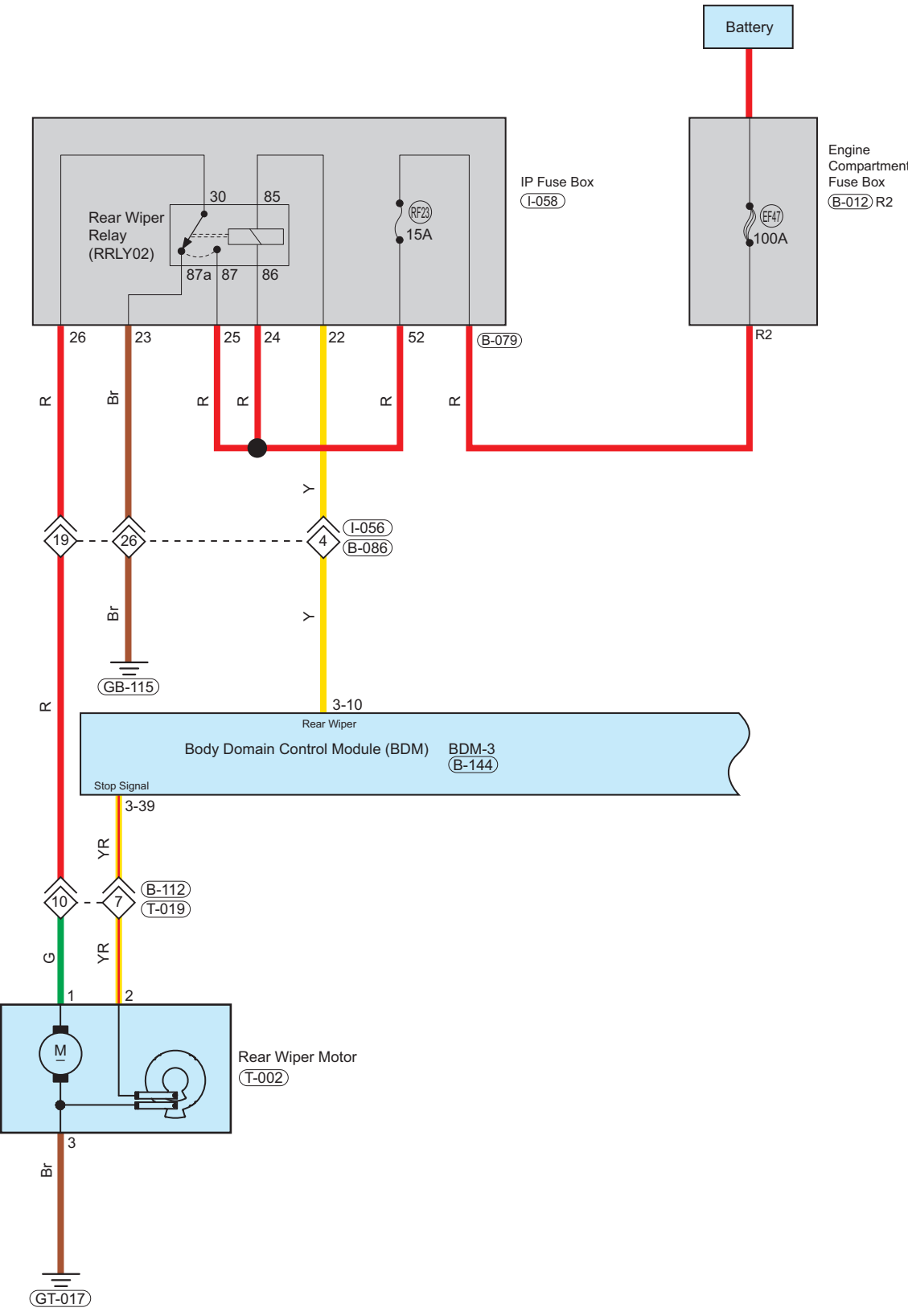
Wire Harness Connector	Name	Page Number
I-058	Instrument Panel Fuse Box	10-73
I-090	Body Control Module (BDM) - 4	10-81
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
F-004	Left Rear View Mirror	10-91
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
H-004	Right Rear View Mirror	10-94
T-001	Rear Left Combination Light (Movable)	10-105
T-009	Rear Right Combination Light (Movable)	10-105
GT-017	G701	10-105
T-020	Back Door Wire Harness to Interior Wire Harness 2	10-105

# Wiper and Washer



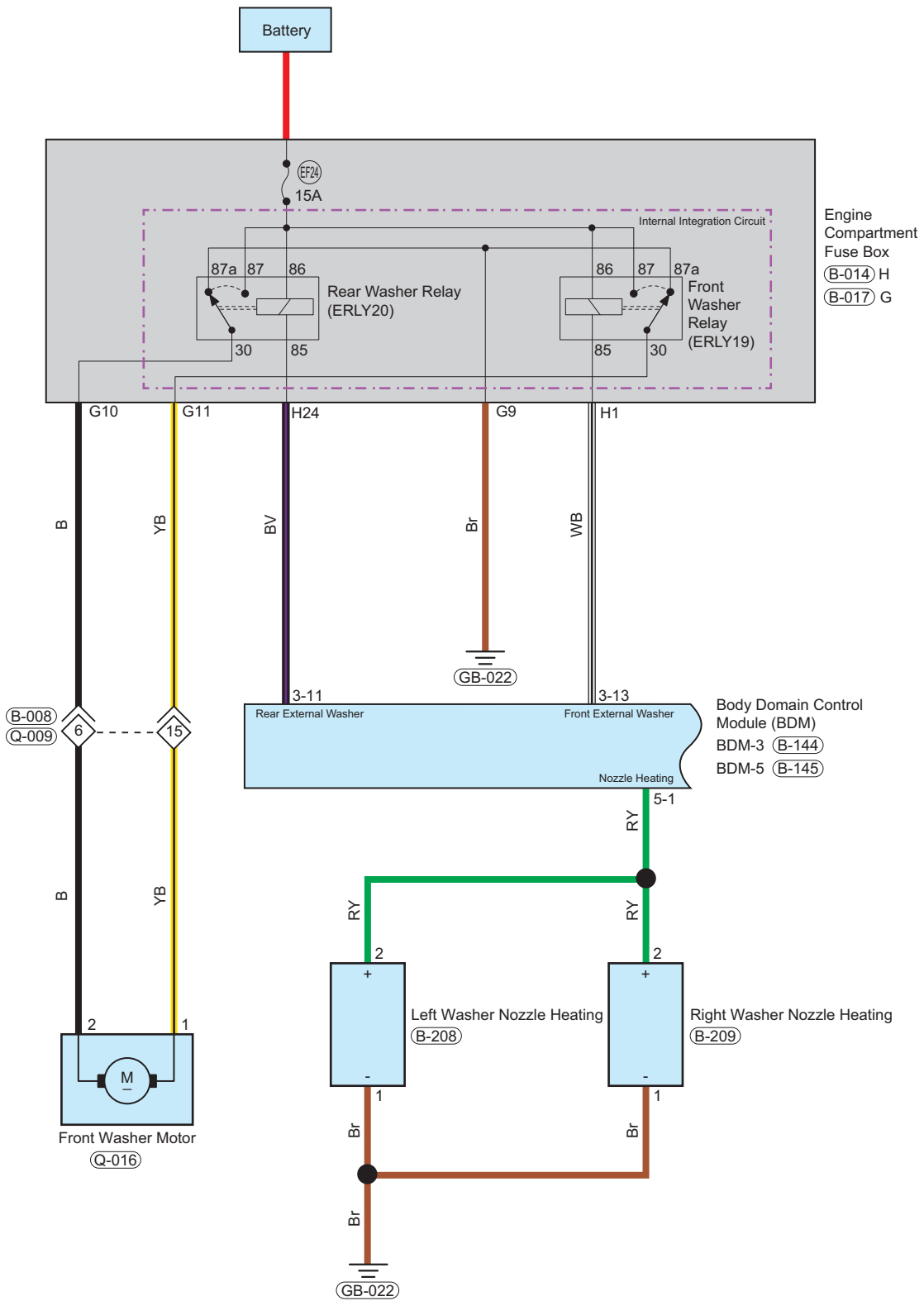
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# Wiper and Washer



WWE002001

# Wiper and Washer



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WWE003001

## Wiper and Washer

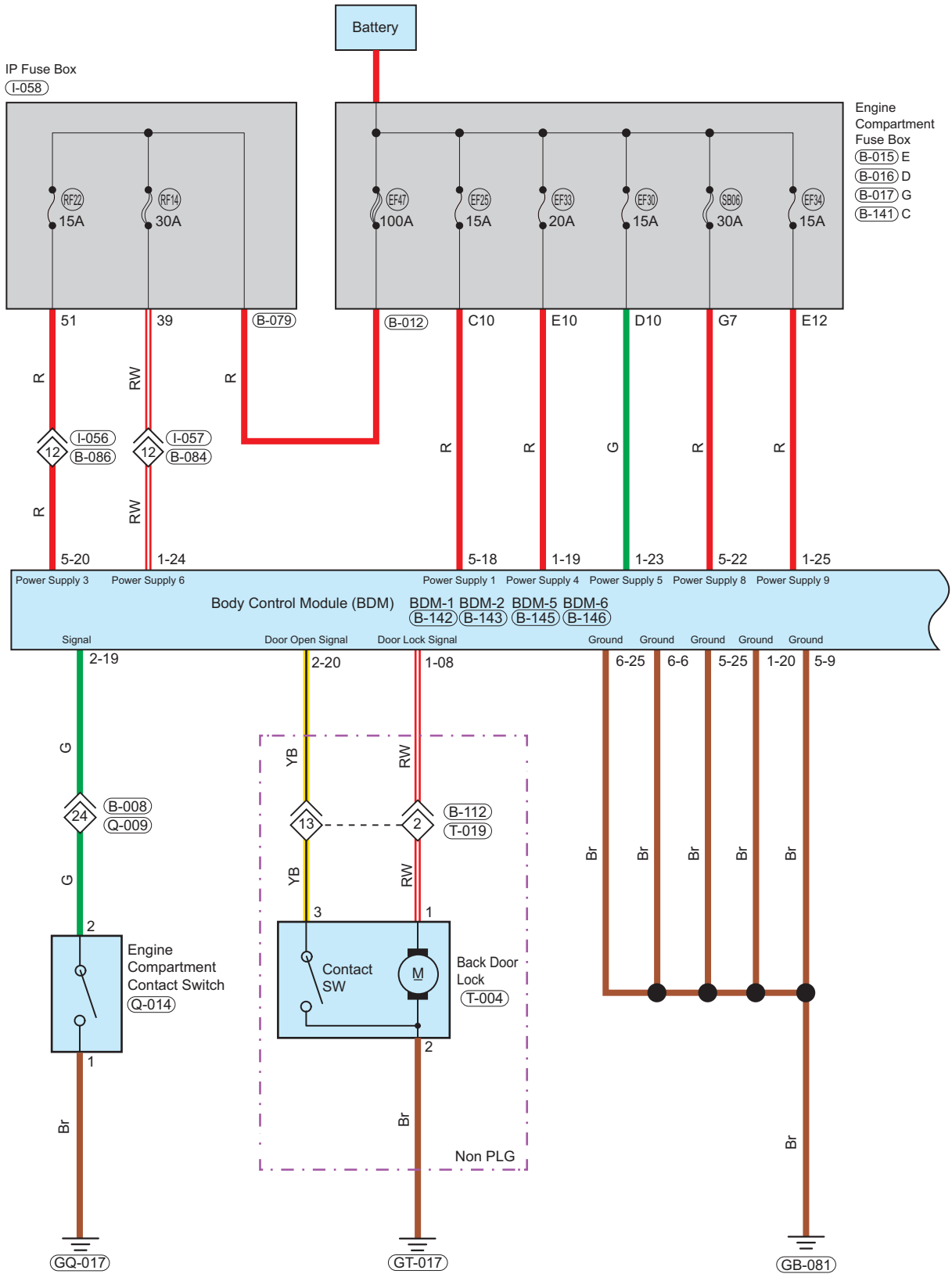
Wire Harness Connector	Name	Page Number
B-142	Body Control Module (BDM) - 1	10-39
B-144	Body Control Module (BDM) - 3	10-39
I-090	Body Control Module (BDM) - 4	10-81
B-019	Front Wiper	10-25
B-034	Sunlight Rain Sensor	10-38
I-048	Combination Switch	10-73
T-002	Rear Wiper Motor	10-105
Q-016	Front Washer Motor	10-16
B-017	Engine Compartment Fuse Box G	10-25
B-015	Engine Compartment Fuse Box E	10-25
B-014	Engine Compartment Fuse Box H	10-25
B-013	Engine Compartment Fuse Box J	10-25
B-012	Engine Compartment Fuse Box R2	10-25
B-079	Instrument Panel Fuse and Relay Box R	10-27
I-058	Instrument Panel Fuse Box	10-73
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
B-112	Interior Wire Harness to Back Door Wire Harness 1	10-31
T-019	Back Door Wire Harness to Interior Wire Harness 1	10-105
B-008	Interior Wire Harness to Front Bumper Wire Harness 1	10-25
Q-009	Front Bumper Wire Harness to Interior Wire Harness 1	10-17
GB-022	G603	10-25
GB-081	G605	10-27
GB-115	G608	10-32
GT-017	G701	10-105

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<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
B-208	Left Washer Nozzle Heating	10-56
B-209	Right Washer Nozzle Heating	10-56

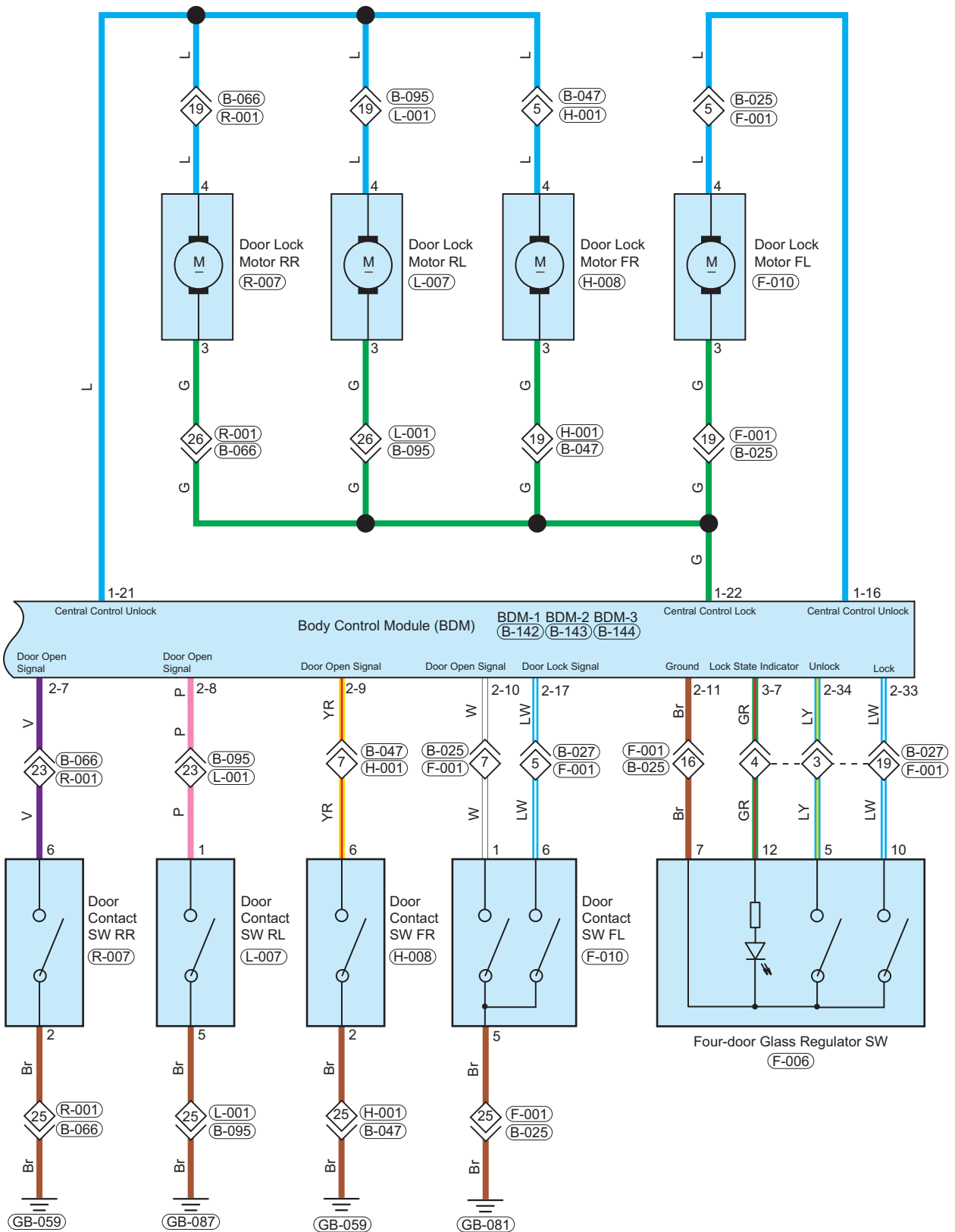


# Door Lock



DLE001001

# Door Lock



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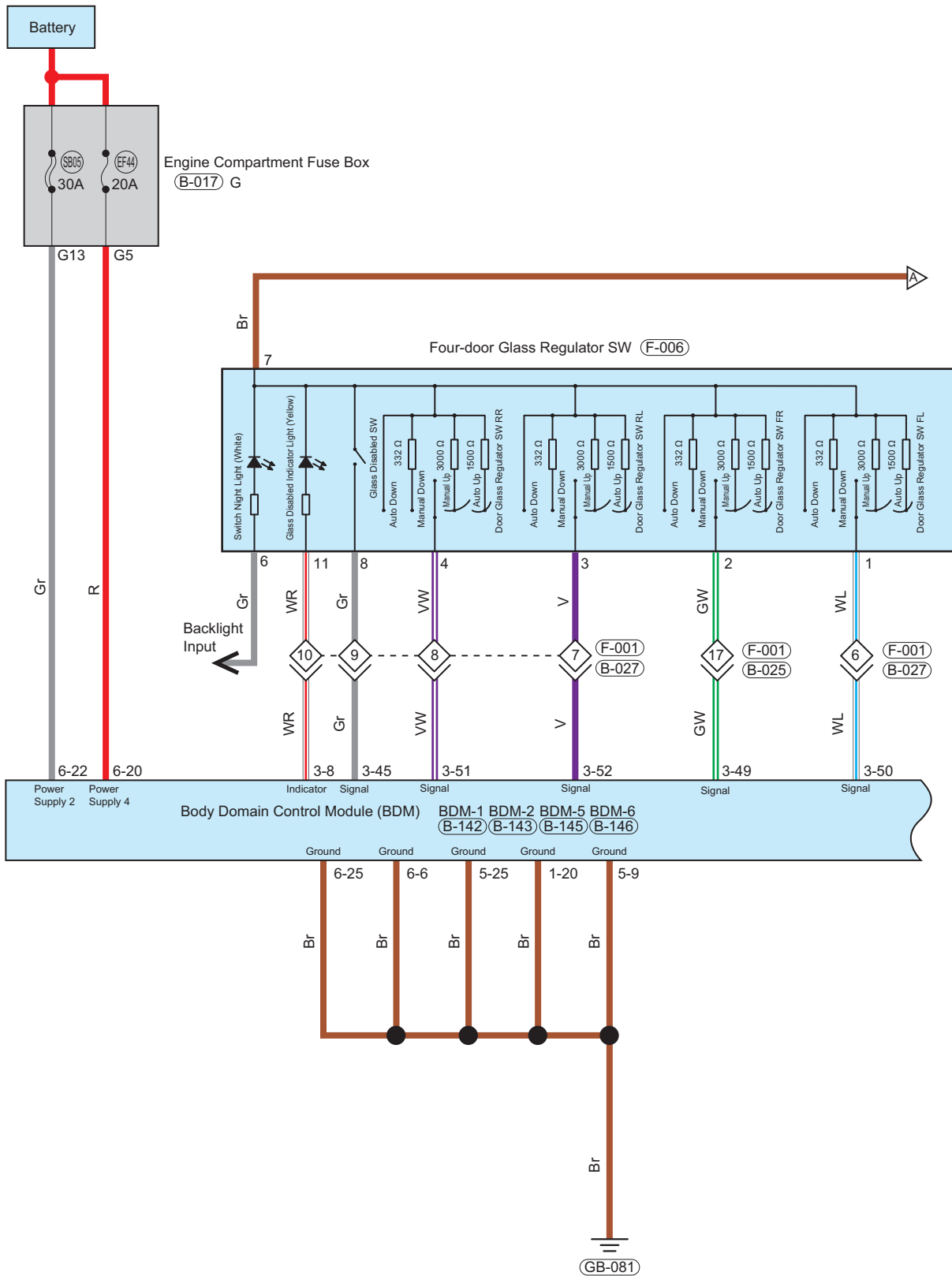
DLE002001

## Door Lock

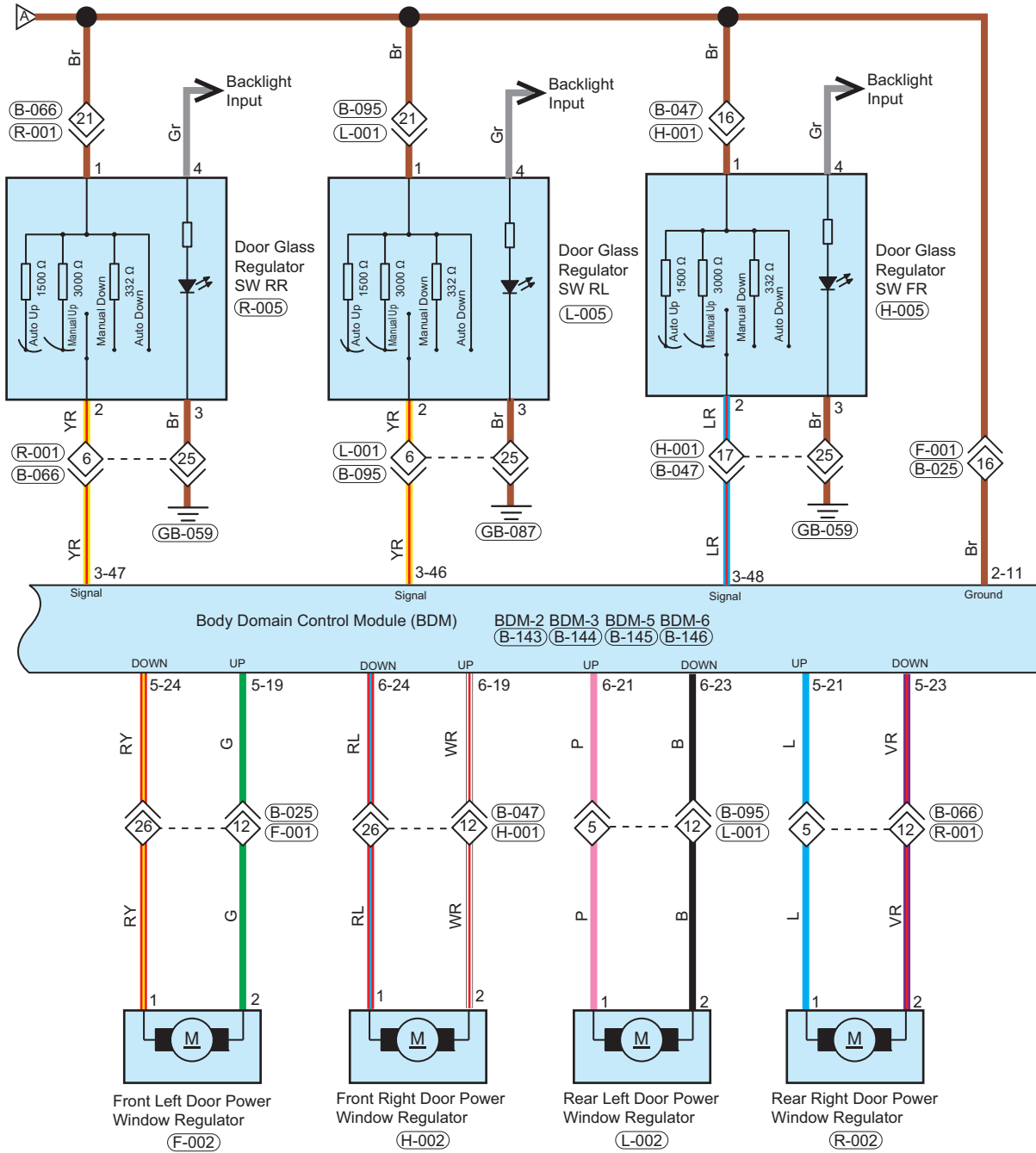
Wire Harness Connector	Name	Page Number
B-142	Body Control Module (BDM) - 1	10-39
B-143	Body Control Module (BDM) - 2	10-39
B-144	Body Control Module (BDM) - 3	10-39
B-145	Body Control Module (BDM) - 5	10-39
B-146	Body Control Module (BDM) - 6	10-39
Q-014	Engine Compartment Contact Switch	10-16
T-004	Back Door Lock	10-105
R-007	Rear Right Door Lock Motor	10-101
L-007	Rear Left Door Lock Motor	10-97
H-008	Front Right Door Lock Motor	10-94
F-010	Front Left Door Lock Motor	10-91
B-141	Engine Compartment Fuse Box C	10-45
B-016	Engine Compartment Fuse Box D	10-25
B-015	Engine Compartment Fuse Box E	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-012	Engine Compartment Fuse Box R2	10-25
B-079	Instrument Panel Fuse and Relay Box R	10-27
I-058	Instrument Panel Fuse and Relay Box	10-73
B-008	Interior Wire Harness to Front Bumper Wire Harness 1	10-25
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
B-027	Interior Wire Harness to Front Left Door Wire Harness A	10-27
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
B-066	Interior Wire Harness to Rear Right Door Wire Harness	10-36
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27

Wire Harness Connector	Name	Page Number
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
B-095	Interior Wire Harness to Rear Left Door Wire Harness	10-28
B-112	Interior Wire Harness to Back Door Wire Harness 1	10-31
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
F-001	Front Left Door Wire Harness to Interior Wire Harness A	10-91
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
L-001	Rear Left Door Wire Harness to Interior Wire Harness	10-97
Q-009	Front Bumper Wire Harness to Interior Wire Harness 1	10-17
R-001	Rear Right Door Wire Harness to Interior Wire Harness	10-101
T-019	Back Door Wire Harness to Interior Wire Harness 1	10-105
GB-059	G610	10-37
GB-081	G605	10-27
GB-087	G607	10-28
GQ-017	G101	10-16
GT-017	G701	10-105

# Window



# Window



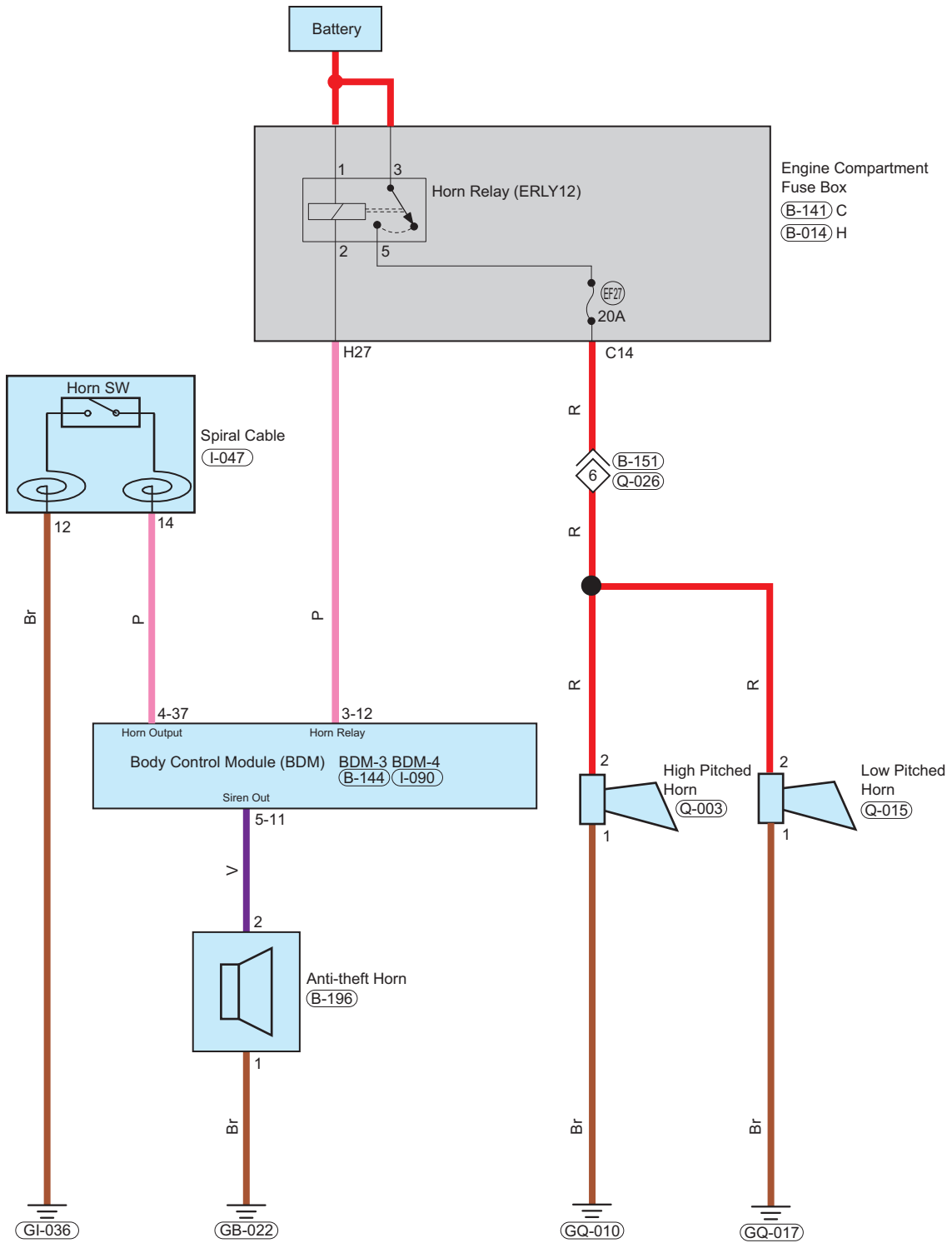
## Window

Wire Harness Connector	Name	Page Number
B-142	Body Control Module (BDM) - 1	10-39
B-143	Body Control Module (BDM) - 2	10-39
B-144	Body Control Module (BDM) - 3	10-39
B-145	Body Control Module (BDM) - 5	10-39
B-146	Body Control Module (BDM) - 6	10-39
F-006	Four-door Glass Regulator Switch	10-91
R-005	Rear Right Door Glass Regulator Switch	10-101
L-005	Rear Left Door Glass Regulator Switch	10-97
H-005	Front Right Door Glass Regulator Switch	10-94
F-002	Front Left Door Power Window Regulator	10-91
H-002	Front Right Door Power Window Regulator	10-94
L-002	Rear Left Door Power Window Regulator	10-97
R-002	Rear Right Door Power Window Regulator	10-101
B-017	Engine Compartment Fuse Box G	10-25
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
B-027	Interior Wire Harness to Front Left Door Wire Harness A	10-27
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
B-066	Interior Wire Harness to Rear Right Door Wire Harness	10-36
B-095	Interior Wire Harness to Rear Left Door Wire Harness	10-28
F-001	Front Left Door Wire Harness to Interior Wire Harness A	10-91
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
L-001	Rear Left Door Wire Harness to Interior Wire Harness	10-97
R-001	Rear Right Door Wire Harness to Interior Wire Harness	10-101
GB-081	G605	10-27
GB-087	G607	10-28
GB-059	G610	10-37



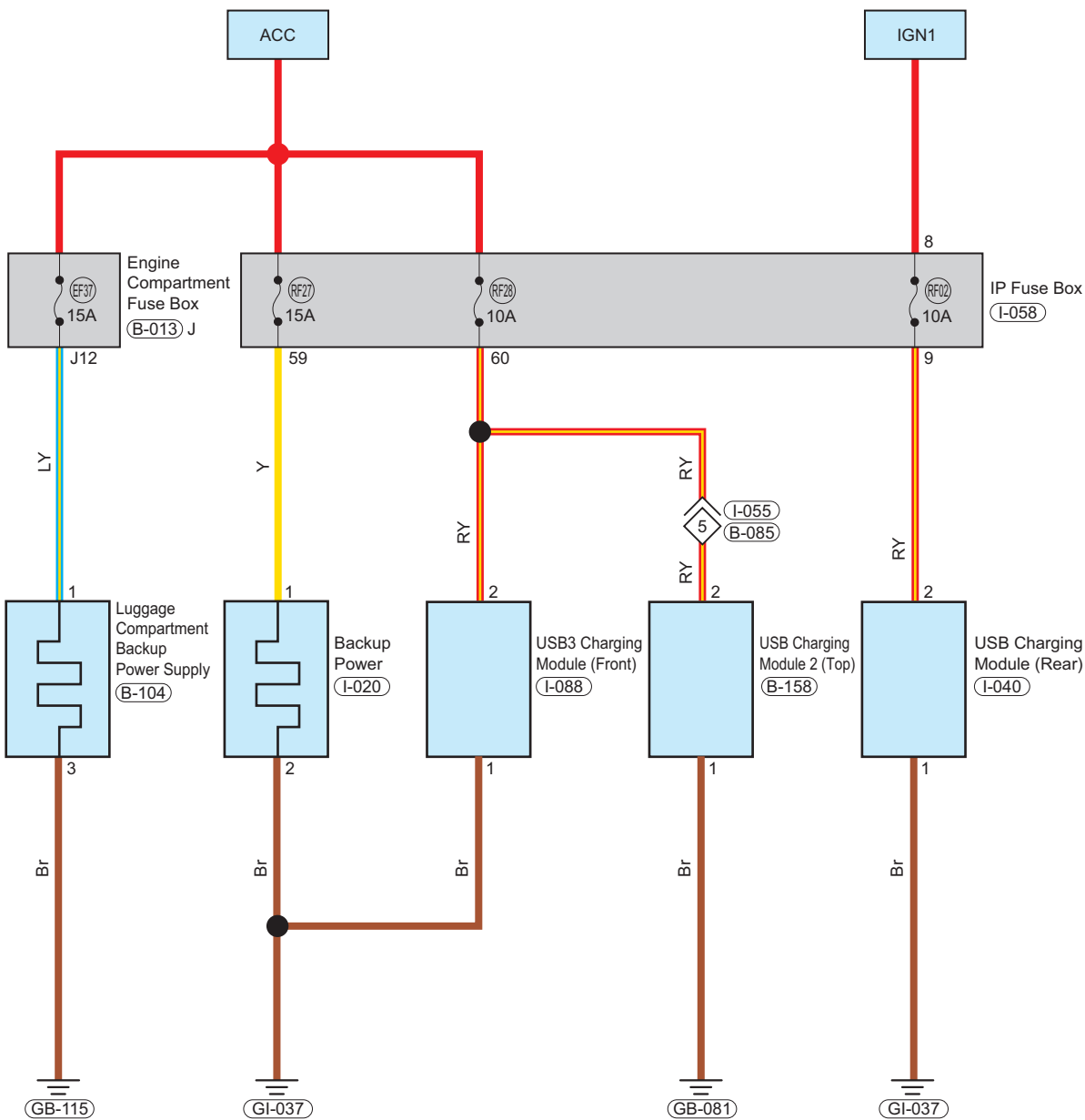
# Horn



## Horn

Wire Harness Connector	Name	Page Number
B-144	Body Control Module (BDM) - 3	10-39
I-090	Body Control Module (BDM) - 4	10-81
I-047	Spiral Cable	10-73
Q-003	High Pitched Horn	10-17
Q-015	Low Pitched Horn	10-16
B-141	Engine Compartment Fuse Box C	10-45
B-014	Engine Compartment Fuse Box H	10-25
B-151	Interior Wire Harness to Front Bumper Wire Harness	10-50
Q-026	Front Bumper Wire Harness to Interior Wire Harness 3	10-19
GI-036	G502	10-76
GQ-010	G102	10-17
GQ-017	G101	10-16
B-196	Anti-theft Horn	10-56

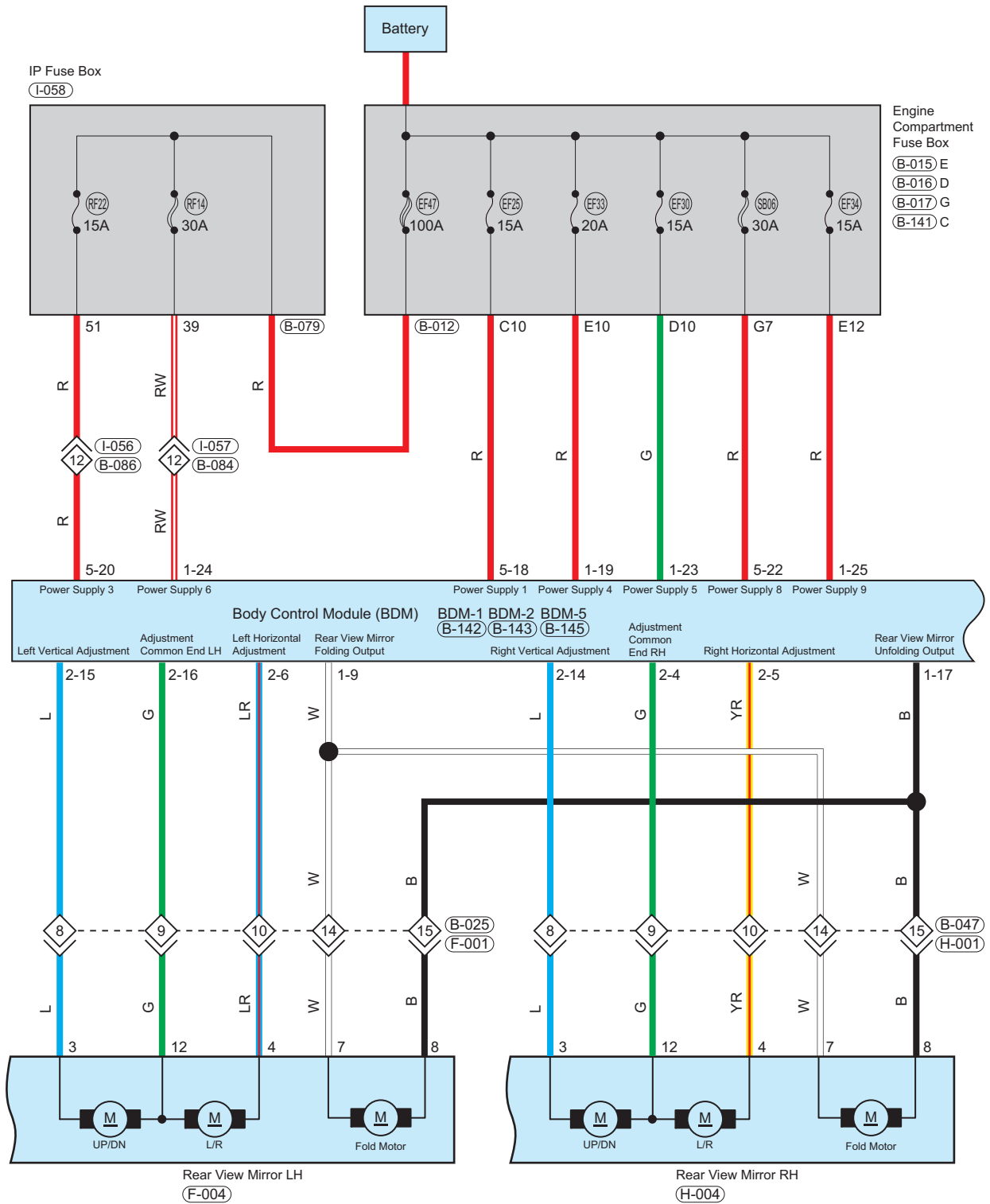
# Other System (Backup Power Supply, USB Charging Module)



## Other System (Backup Power Supply, USB Charging Module)

Wire Harness Connector	Name	Page Number
I-020	Backup Power	10-74
I-040	USB Charging Module	10-77
I-058	Instrument Panel Fuse Box	10-73
B-158	USB Charging Module 2 (Roof)	10-42
I-088	USB3	10-80
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
GI-037	G503	10-76
GB-081	G605	10-27
B-104	Luggage Compartment Backup Power Supply	10-63

# Rear View Mirror Adjustment



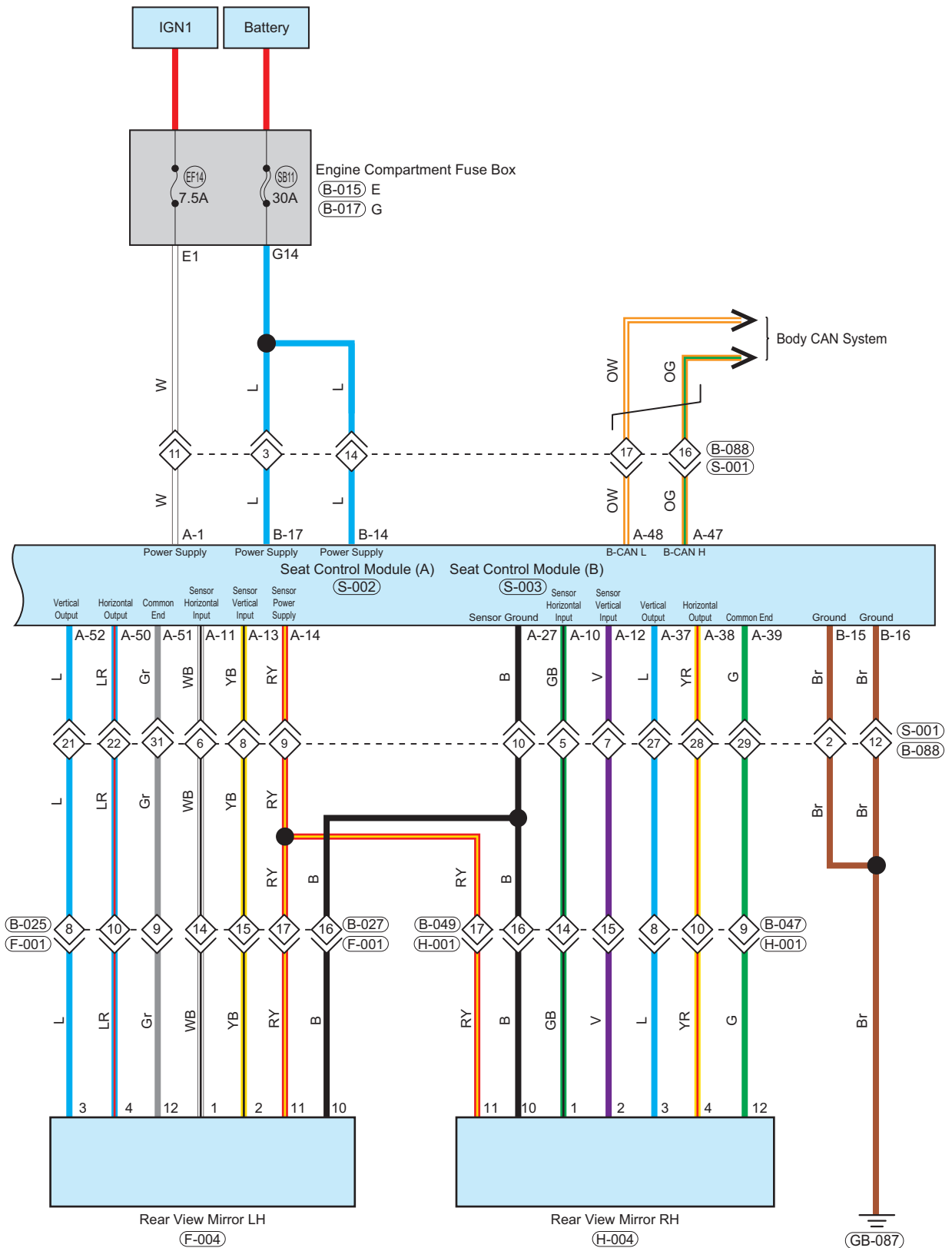
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## Rear View Mirror Adjustment

Wire Harness Connector	Name	Page Number
B-012	Engine Compartment Fuse Box R2	10-25
B-015	Engine Compartment Fuse Box E	10-25
B-016	Engine Compartment Fuse Box D	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
B-079	Instrument Panel Fuse and Relay Box R	10-27
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
B-141	Engine Compartment Fuse Box C	10-45
B-142	Body Control Module (BDM) - 1	10-39
B-143	Body Control Module (BDM) - 2	10-39
B-145	Body Control Module (BDM) - 5	10-39
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
I-058	Instrument Panel Fuse Box	10-73
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
F-004	Left Rear View Mirror	10-91
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
H-004	Right Rear View Mirror	10-94

# Rear View Mirror Adjustment (with Memory)



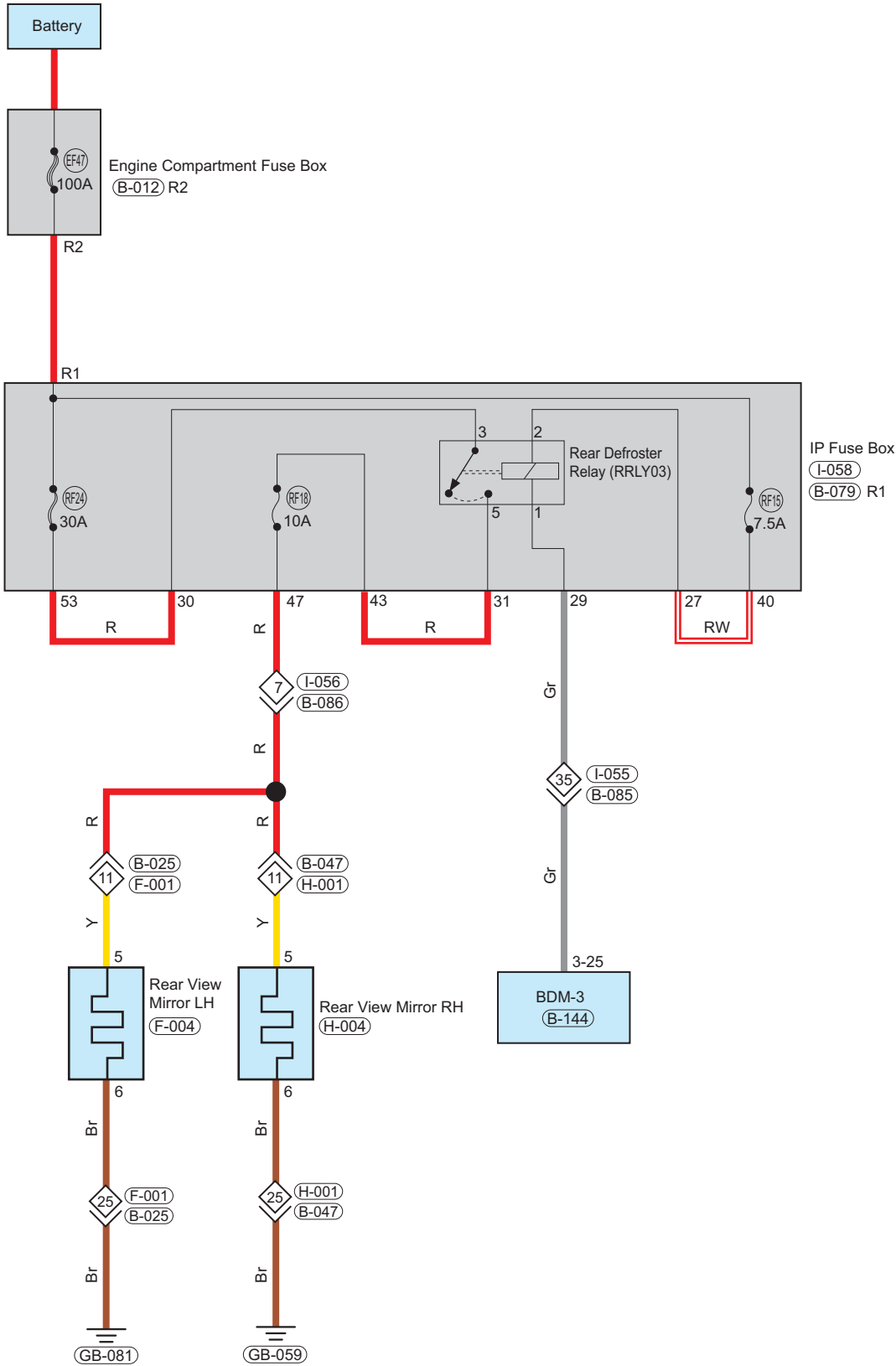
SEE003001

## Rear View Mirror Adjustment (with Memory)

Wire Harness Connector	Name	Page Number
S-002	Seat Control Module A	11-96
S-003	Seat Control Module B	11-96
F-004	Left Rear View Mirror	10-91
H-004	Right Rear View Mirror	10-94
B-015	Engine Compartment Fuse Box E	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
B-027	Interior Wire Harness to Front Left Door Wire Harness A	10-27
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
B-049	Interior Wire Harness to Front Right Door Wire Harness A	10-37
B-088	Interior Wire Harness to Front Left Seat Wire Harness	10-28
F-001	Front Left Door Wire Harness to Interior Wire Harness A	10-91
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
H-001	Interior Wire Harness to Front Right Door Wire Harness A	10-94
H-001	Interior Wire Harness to Front Right Door Wire Harness B	10-94
S-001	Front Left Seat Wire Harness to Interior Wire Harness	11-96
GB-087	G607	10-28



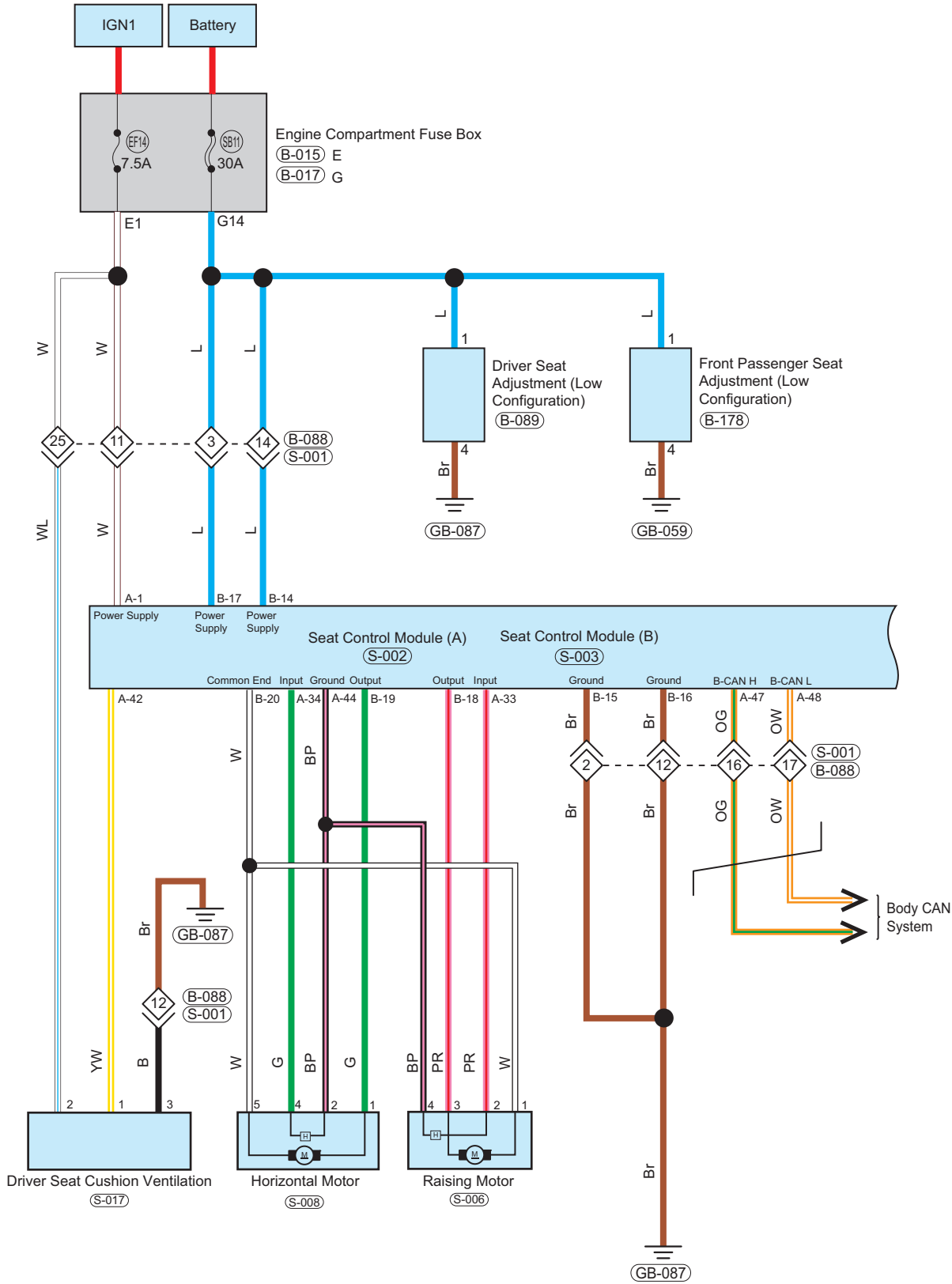
# Rear View Mirror Heating



## Rear View Mirror Heating

Wire Harness Connector	Name	Page Number
B-144	Body Control Module (BDM) - 3	10-39
F-004	Left Rear View Mirror Interface	10-91
H-004	Right Rear View Mirror Interface	10-94
B-012	Engine Compartment Fuse Box R2	10-25
B-079	Instrument Panel Fuse and Relay Box R	10-27
I-058	Instrument Panel Fuse Box	10-73
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
GB-059	G610	10-37
GB-081	G605	10-27

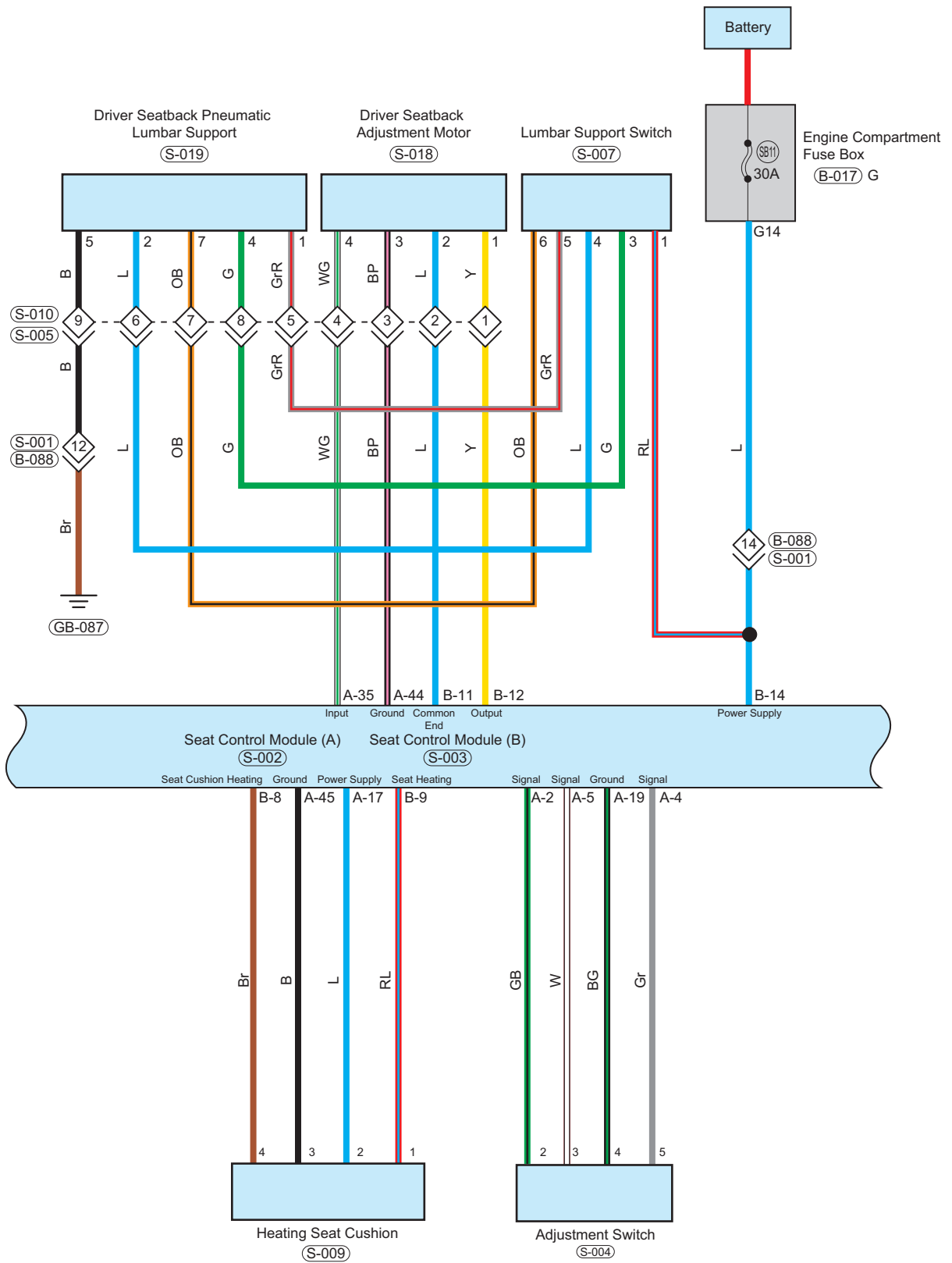
# Seat Adjustment



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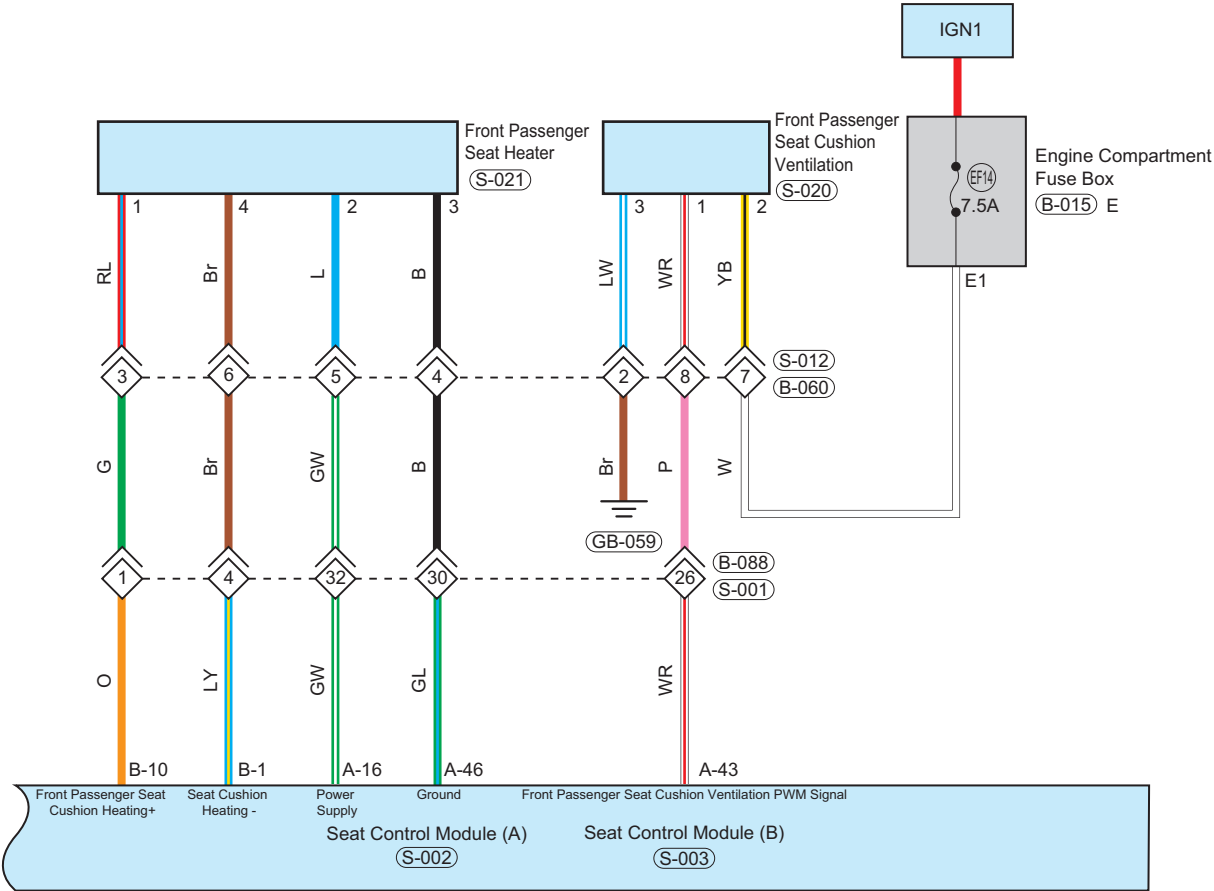
SEE002001

# Seat Adjustment

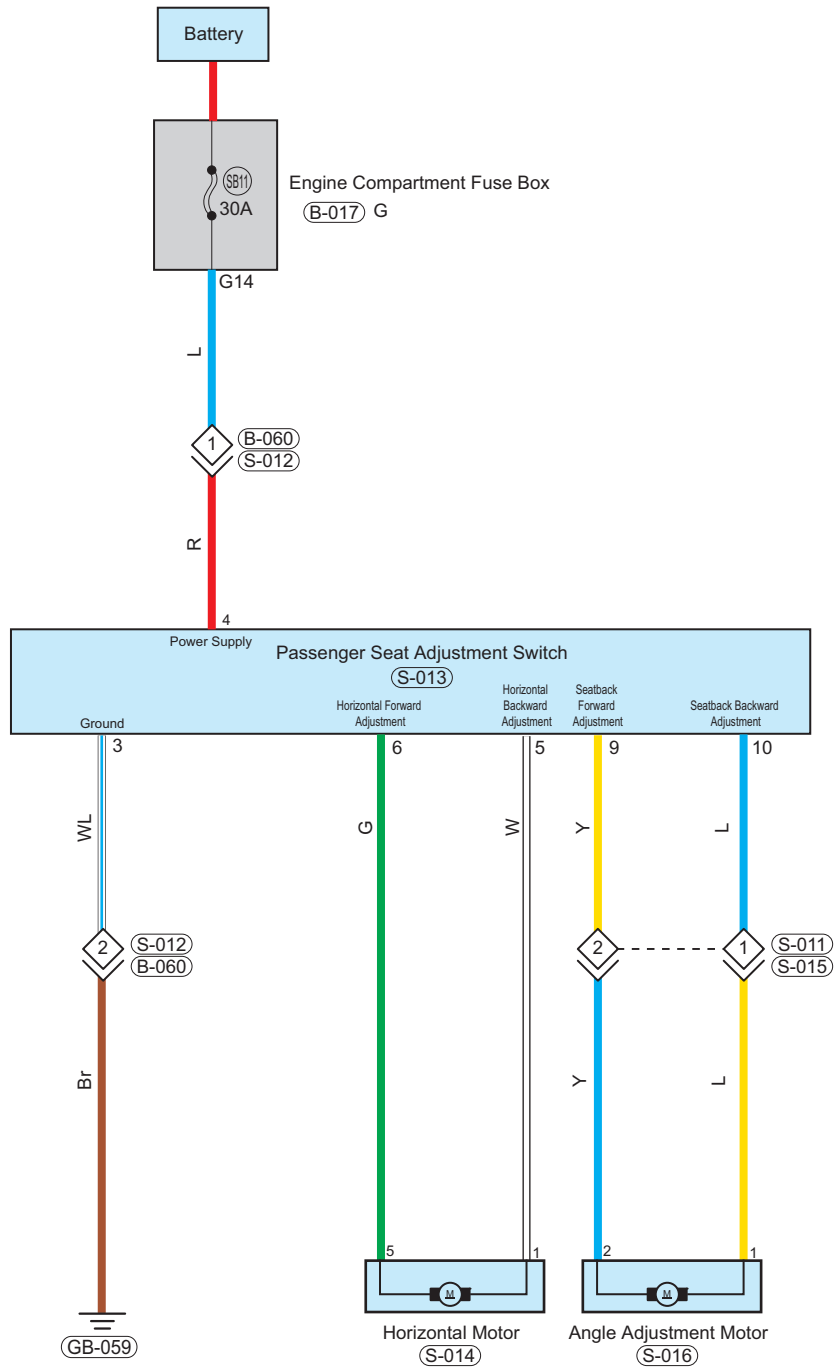


SEE005001

# Seat Adjustment



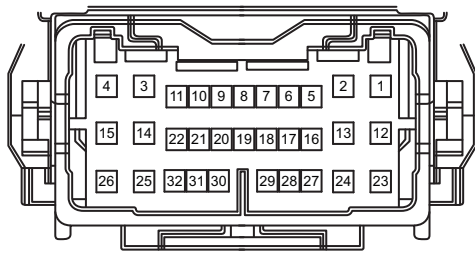
# Seat Adjustment



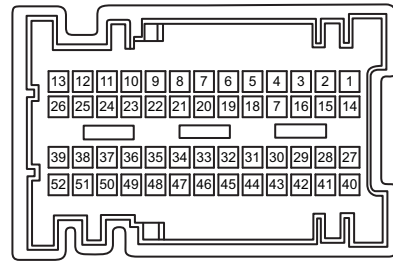
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SEE006001

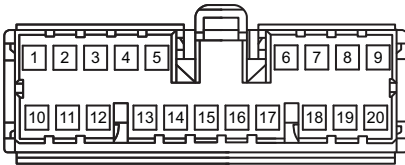
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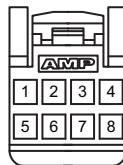
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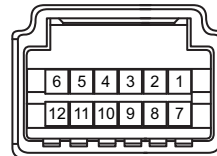
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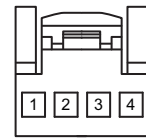
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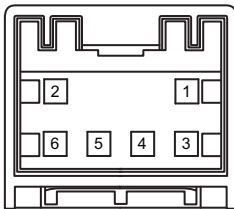
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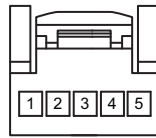
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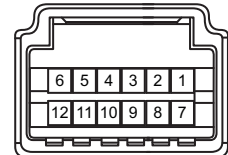
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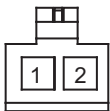
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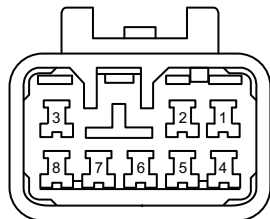
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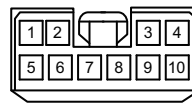
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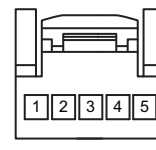
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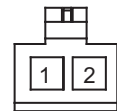
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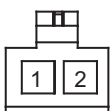
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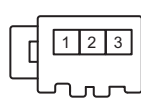
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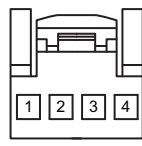
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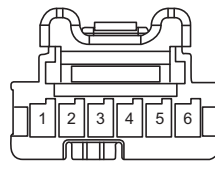
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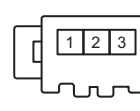
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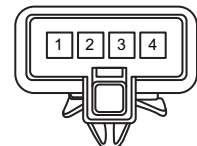
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(S-019)  
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(S-020)  
W



(S-021)  
B

SEE004001

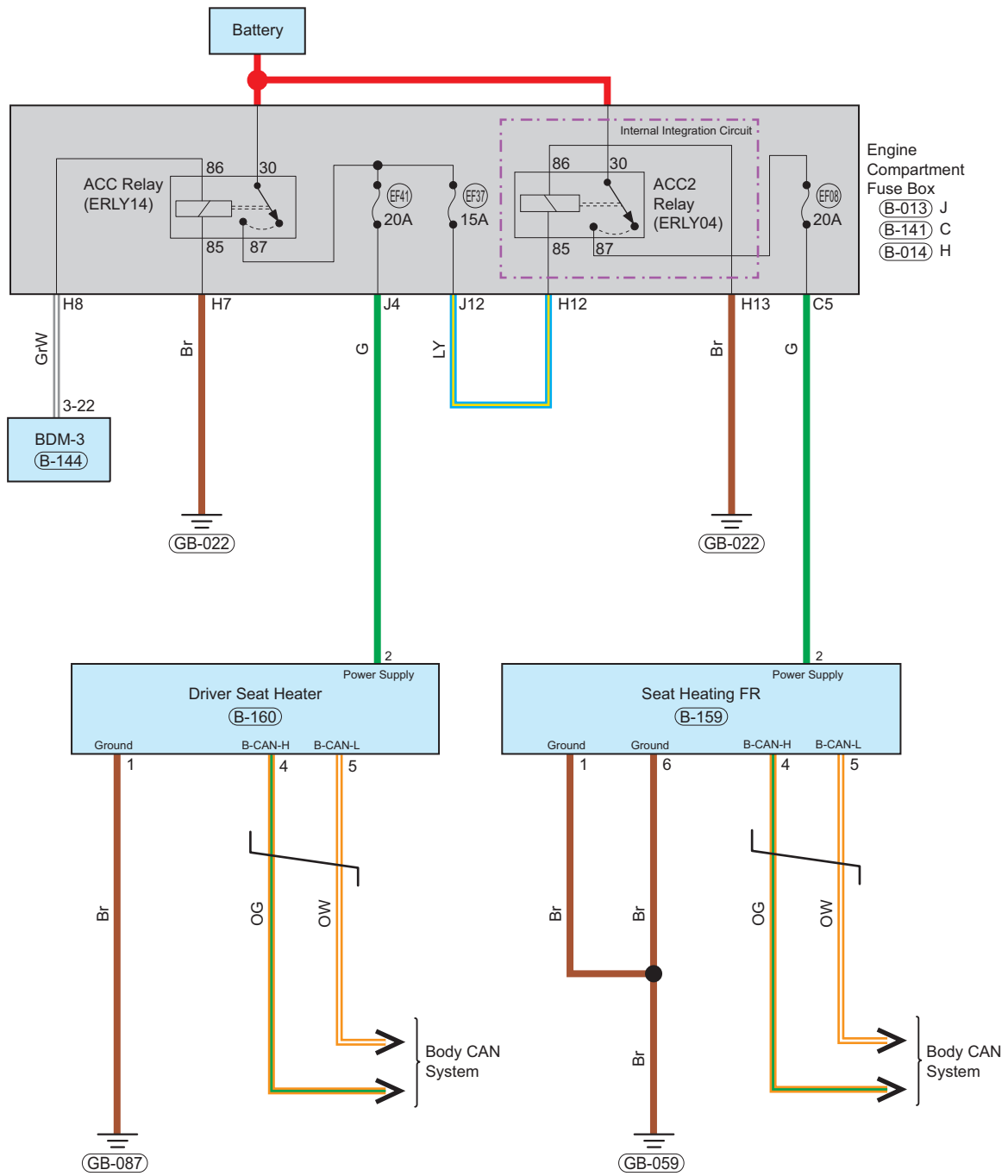
## Seat Adjustment

Wire Harness Connector	Name	Page Number
S-002	Seat Control Module A	11-96
S-003	Seat Control Module B	11-96
B-089	Driver Seat Adjustment (Low Configuration)	10-28
B-178	Front Passenger Seat Adjustment (Low Configuration)	10-55
S-017	Driver Seat Cushion Ventilation	11-96
S-008	Horizontal Motor	11-96
S-006	Raising Motor	11-96
F-004	Left Rear View Mirror	10-91
H-004	Right Rear View Mirror	10-94
S-019	Driver Seatback Pneumatic Lumbar Support	11-96
S-018	Driver Seatback Angle Adjustment Motor	11-96
S-007	Lumbar Support Switch	11-96
S-009	Heating Cushion	11-96
S-004	Adjustment Switch	11-96
S-021	Front Passenger Seat Heating	11-96
S-020	Front Passenger Seat Cushion Ventilation	11-96
S-013	Passenger Seat Adjustment Switch	11-96
S-014	Horizontal Motor	11-96
S-016	Angle Adjustment Motor	11-96
B-015	Engine Compartment Fuse Box E	10-25
B-017	Engine Compartment Fuse Box G	10-25
B-088	Interior Wire Harness to Front Left Seat Wire Harness	10-28
S-001	Front Left Seat Wire Harness to Interior Wire Harness	11-96
F-001	Front Left Door Wire Harness to Interior Wire Harness A	10-91



Wire Harness Connector	Name	Page Number
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
B-027	Interior Wire Harness to Front Left Door Wire Harness A	10-27
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
H-001	Front Right Door Wire Harness to Interior Wire Harness A	10-94
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
B-049	Interior Wire Harness to Front Right Door Wire Harness A	10-37
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
S-010	Seatback Wire Harness to Driver Seat Wire Harness	11-96
S-005	Driver Seat Wire Harness to Seatback Wire Harness	11-96
S-012	Front Right Seat to Body Wire Harness	11-96
B-060	Interior Wire Harness to Front Right Seat Wire Harness	10-36
S-011	Front Right Seat to Seatback Wire Harness	11-96
S-015	Seatback to Passenger Seat Wire Harness	11-96
GB-087	G607	10-28
GB-059	G610	10-37
B-101	Canister Close Valve	10-33

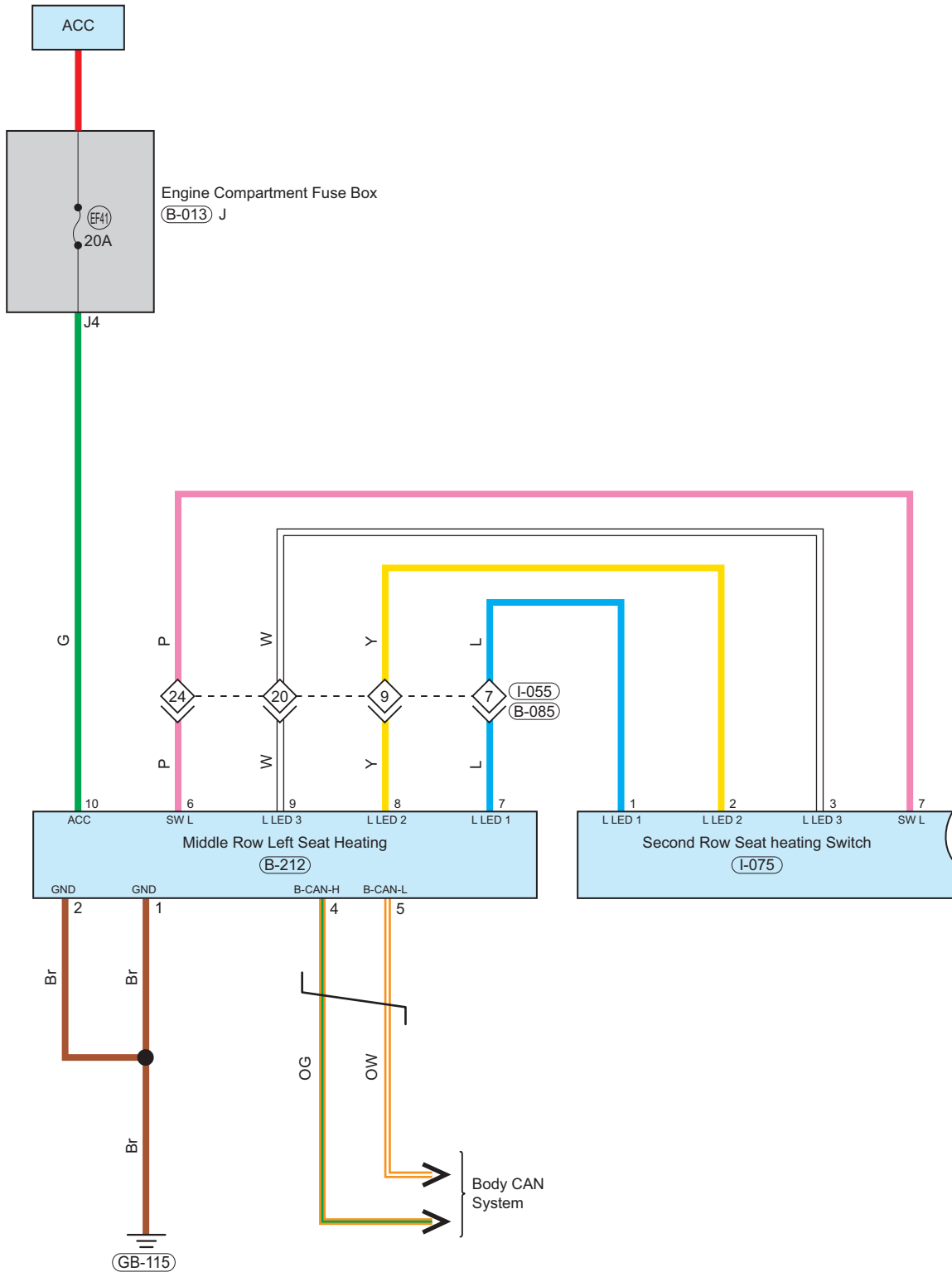
# Seat Heating



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SEE006002

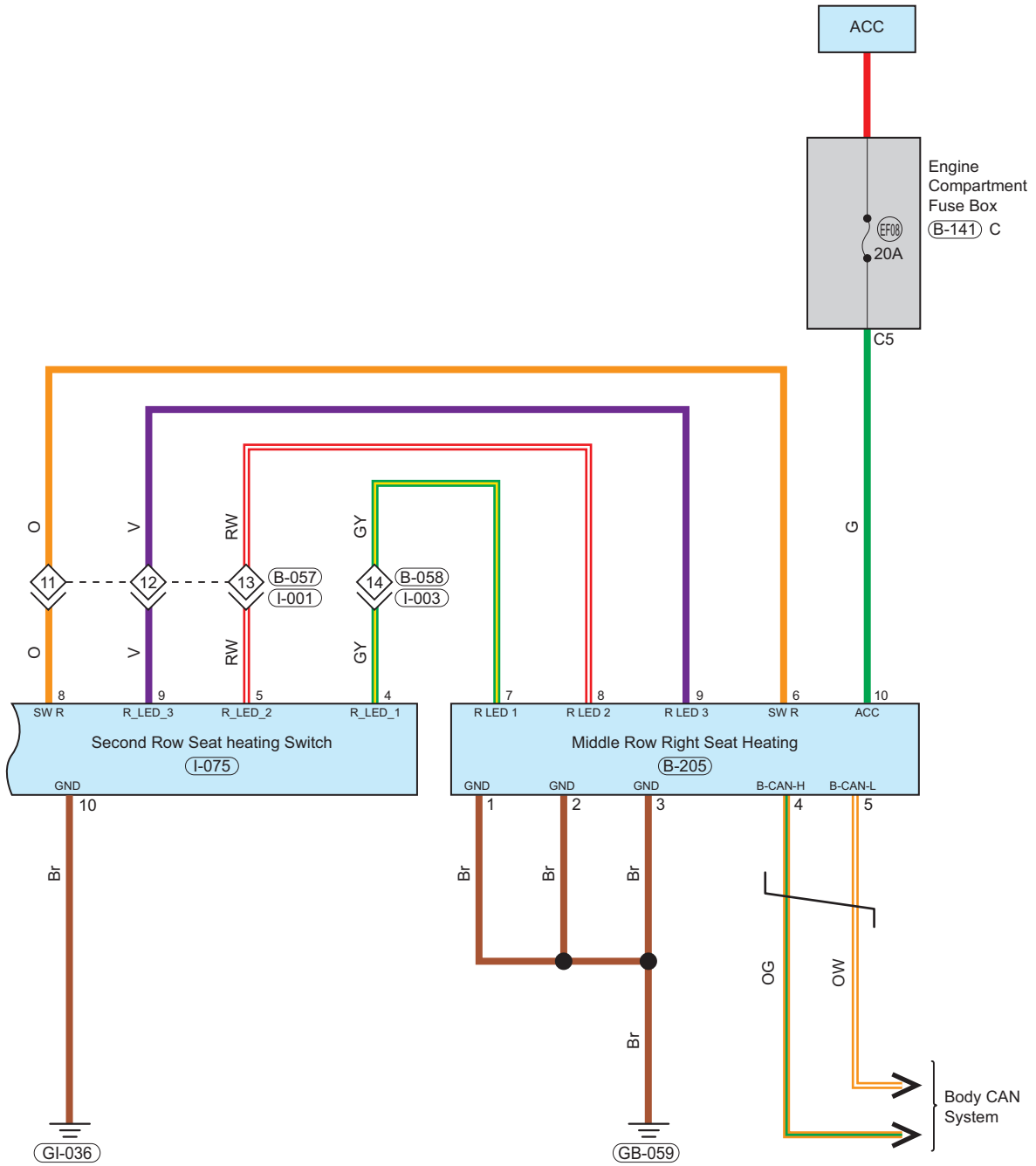
# Seat Heating



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SEE006003

# Seat Heating



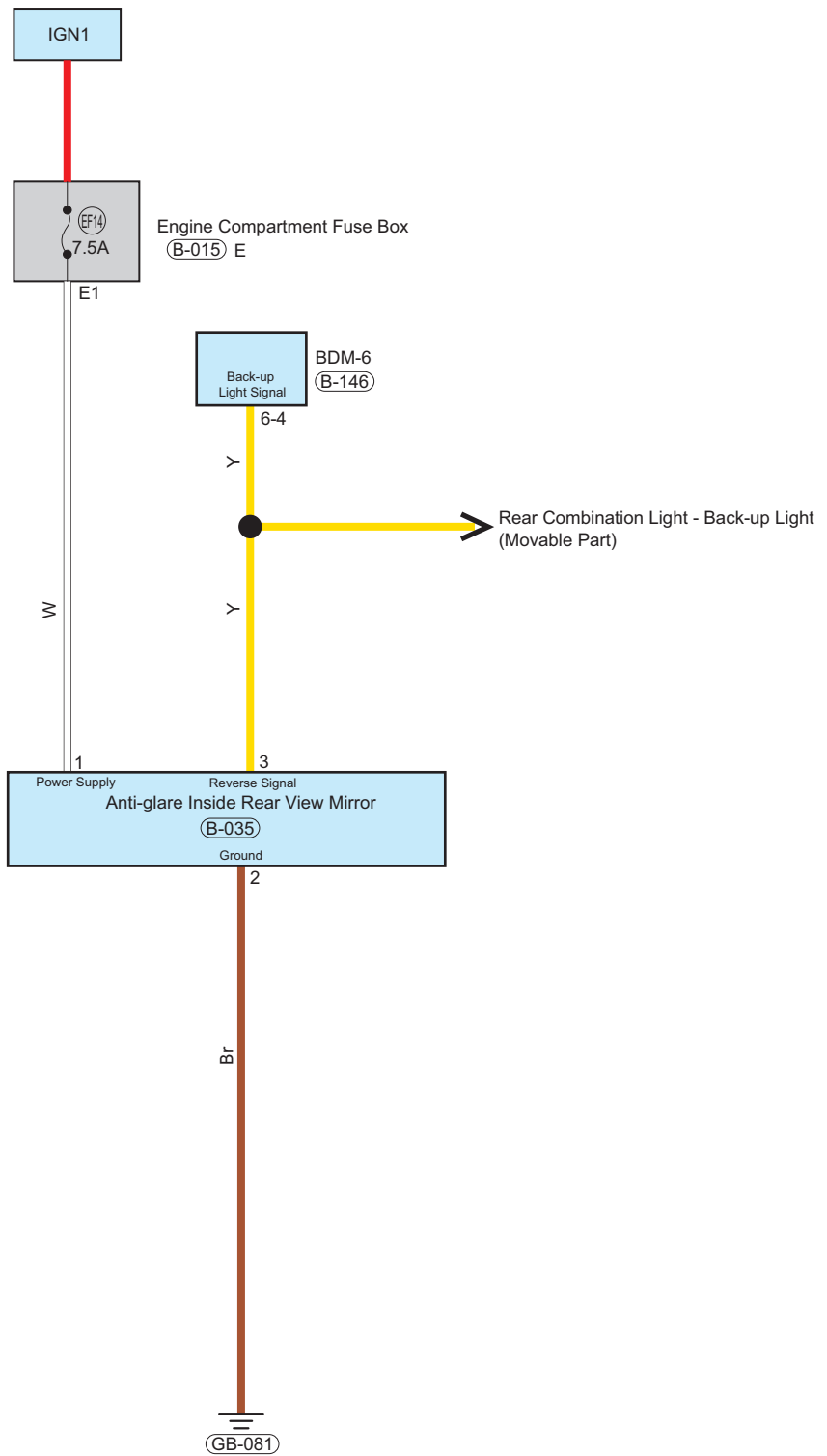
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SEE006004

## Seat Heating

Wire Harness Connector	Name	Page Number
B-160	Driver Seat Heater	10-46
B-159	Front Right Seat Heating	10-47
B-144	Body Control Module (BDM) - 3	10-39
B-013	Engine Compartment Fuse Box J	10-25
B-141	Engine Compartment Fuse Box C	10-45
B-014	Engine Compartment Fuse Box H	10-25
GB-022	G603	10-25
GB-087	G607	10-28
GB-059	G610	10-37
B-212	Middle Row Left Seat Heating	10-61
I-075	Second Row Seat Heating Switch	10-85
B-205	Middle Row Right Seat Heating	10-61
I-055	Interior Wire Harness Interface 1	10-73
B-085	Instrument Panel Wire Harness Interface 1	10-27
GB-115	Ground G608	10-32
B-057	Instrument Panel Wire Harness Interface 3	10-37
B-058	Instrument Panel Wire Harness Interface 4	10-37
I-001	Interior Wire Harness Interface 3	10-75
I-003	Interior Wire Harness Interface 4	10-75
GI-036	Ground G502	10-76

# Inside Rear View Mirror



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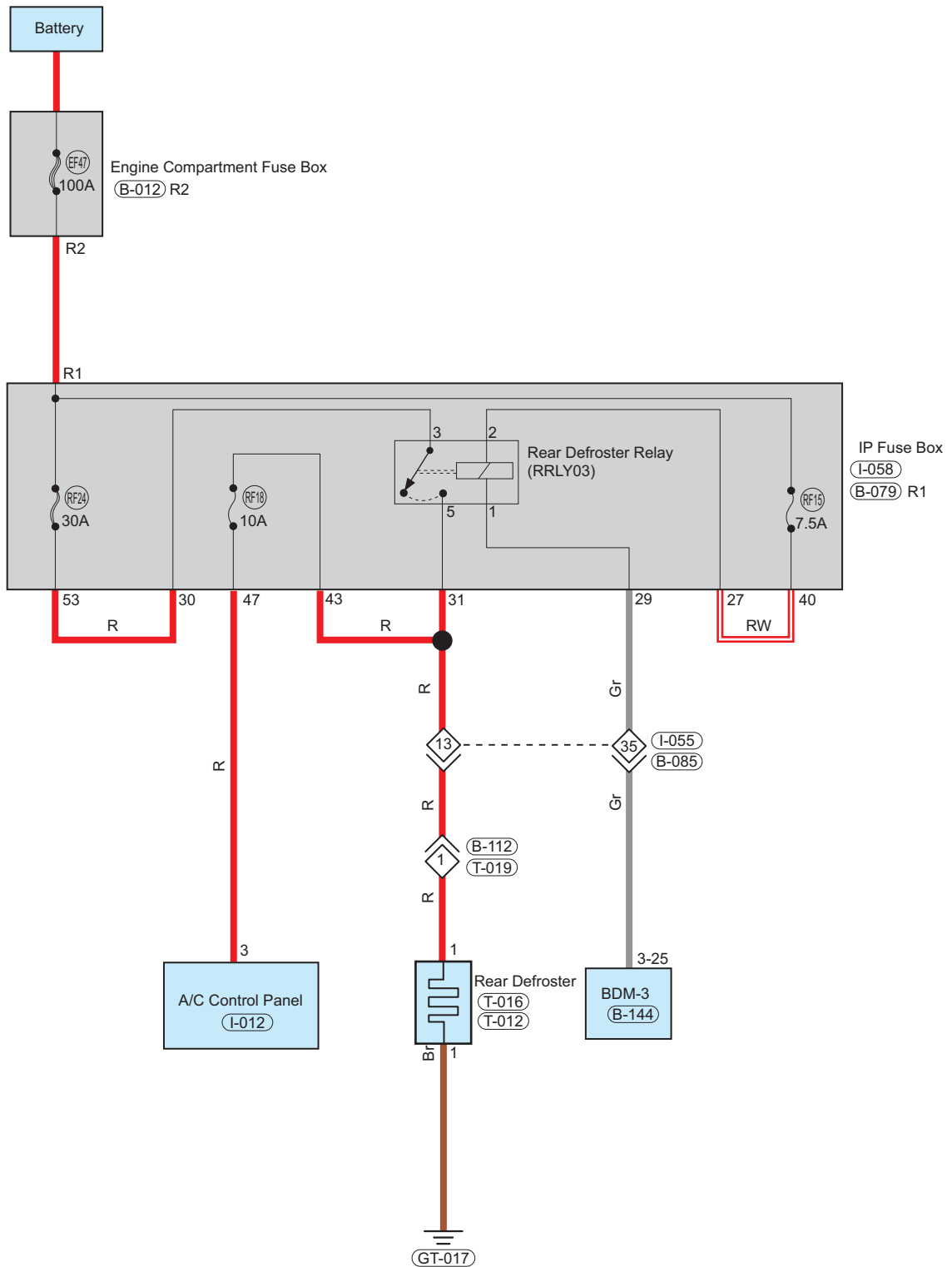
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## Inside Rear View Mirror

Wire Harness Connector	Name	Page Number
B-035	Anti-glare Inside Rear View Mirror	10-38
B-146	Body Control Module (BDM) - 6	10-39
B-015	Engine Compartment Fuse Box E	10-25
GB-081	G605	10-27

# Rear Defroster



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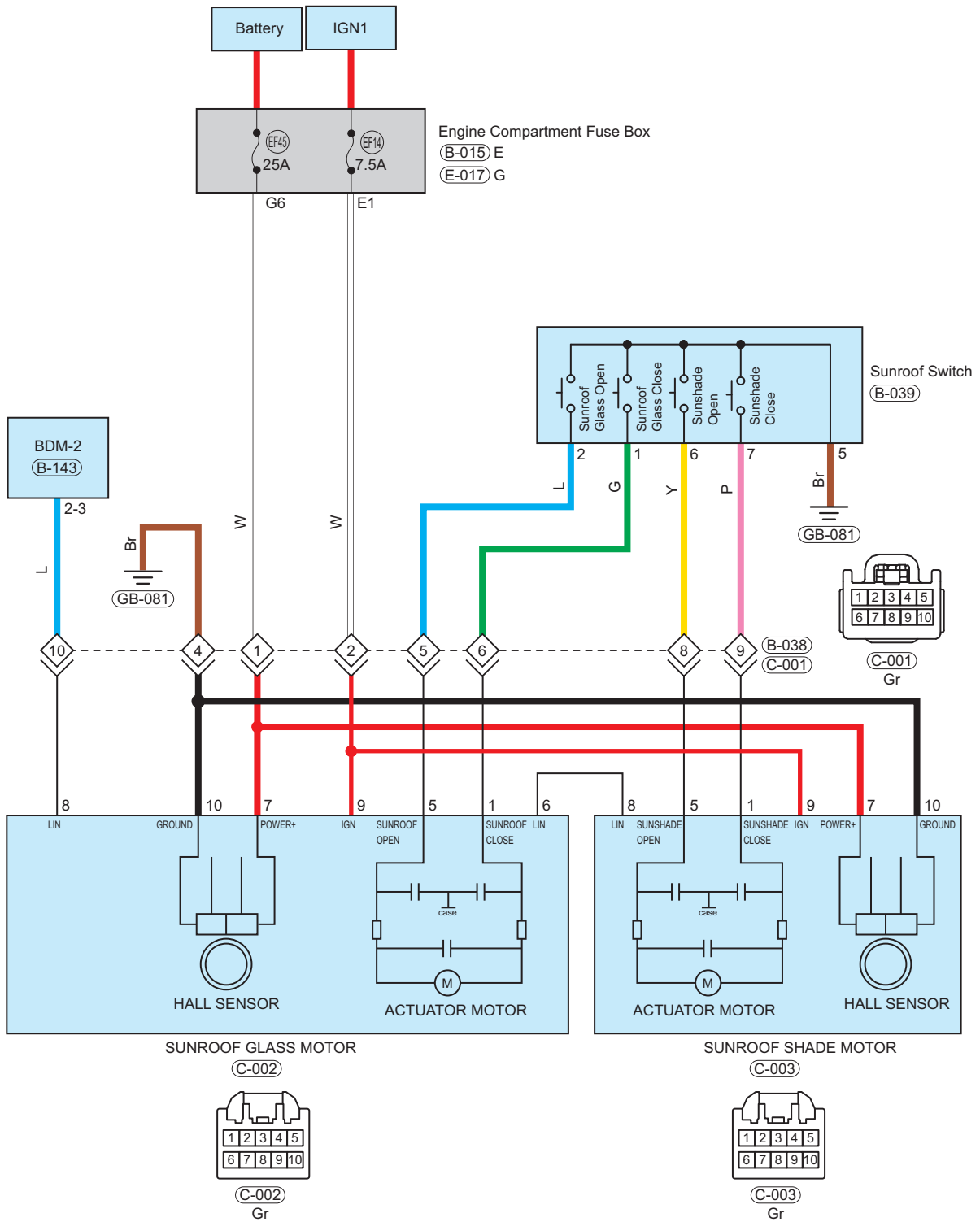
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## Rear Defroster

Wire Harness Connector	Name	Page Number
I-012	A/C Control Panel	10-74
T-016	Rear Defroster	10-105
T-012	Rear Defroster	10-105
B-144	Body Control Module (BDM) - 3	10-39
B-012	Engine Compartment Fuse Box R2	10-25
B-079	Instrument Panel Fuse and Relay Box R	10-27
I-058	Instrument Panel Fuse Box	10-73
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
B-112	Interior Wire Harness to Back Door Wire Harness 1	10-31
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
T-019	Back Door Wire Harness to Interior Wire Harness 1	10-105
GT-017	G701	10-105

# Sunroof

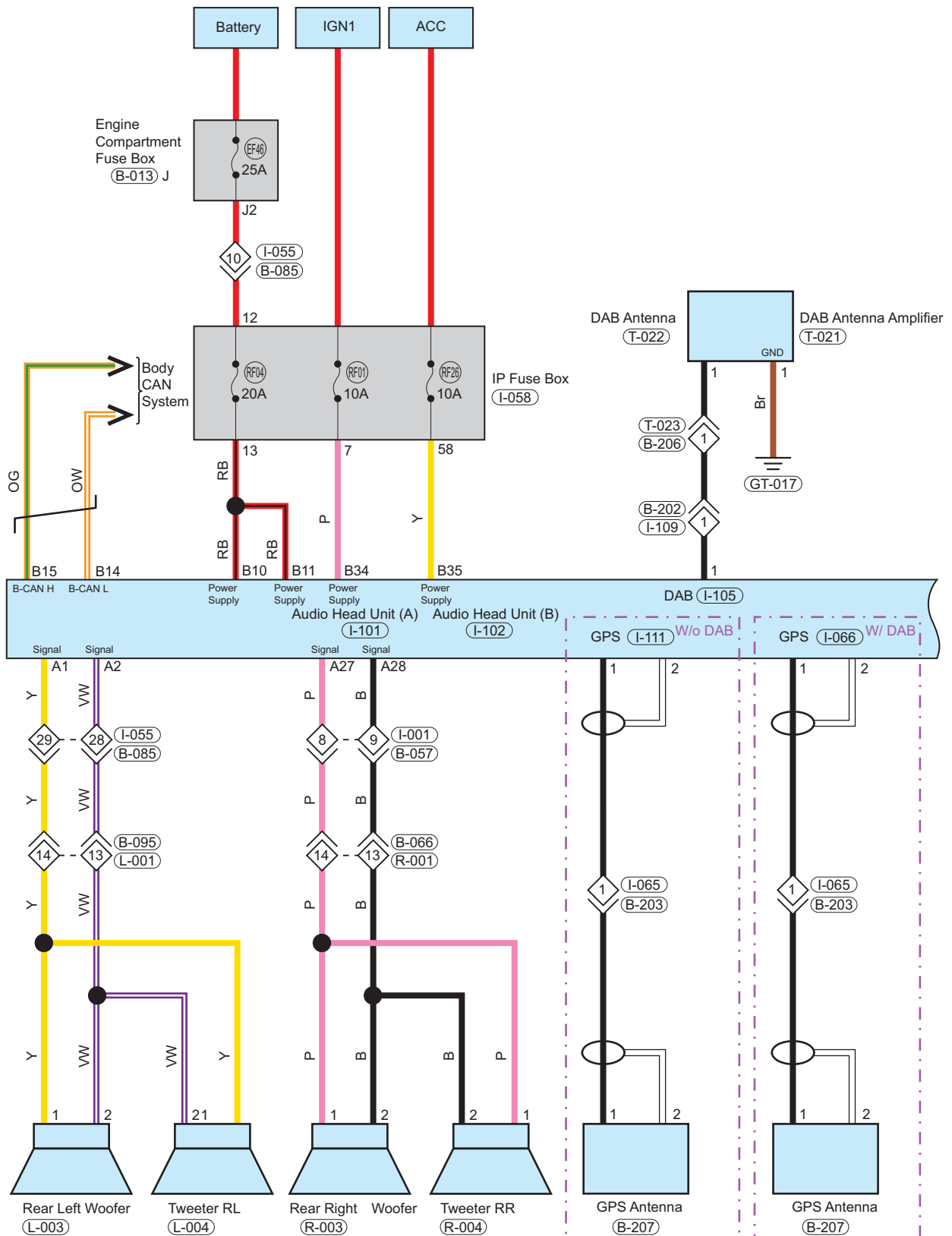


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## Sunroof

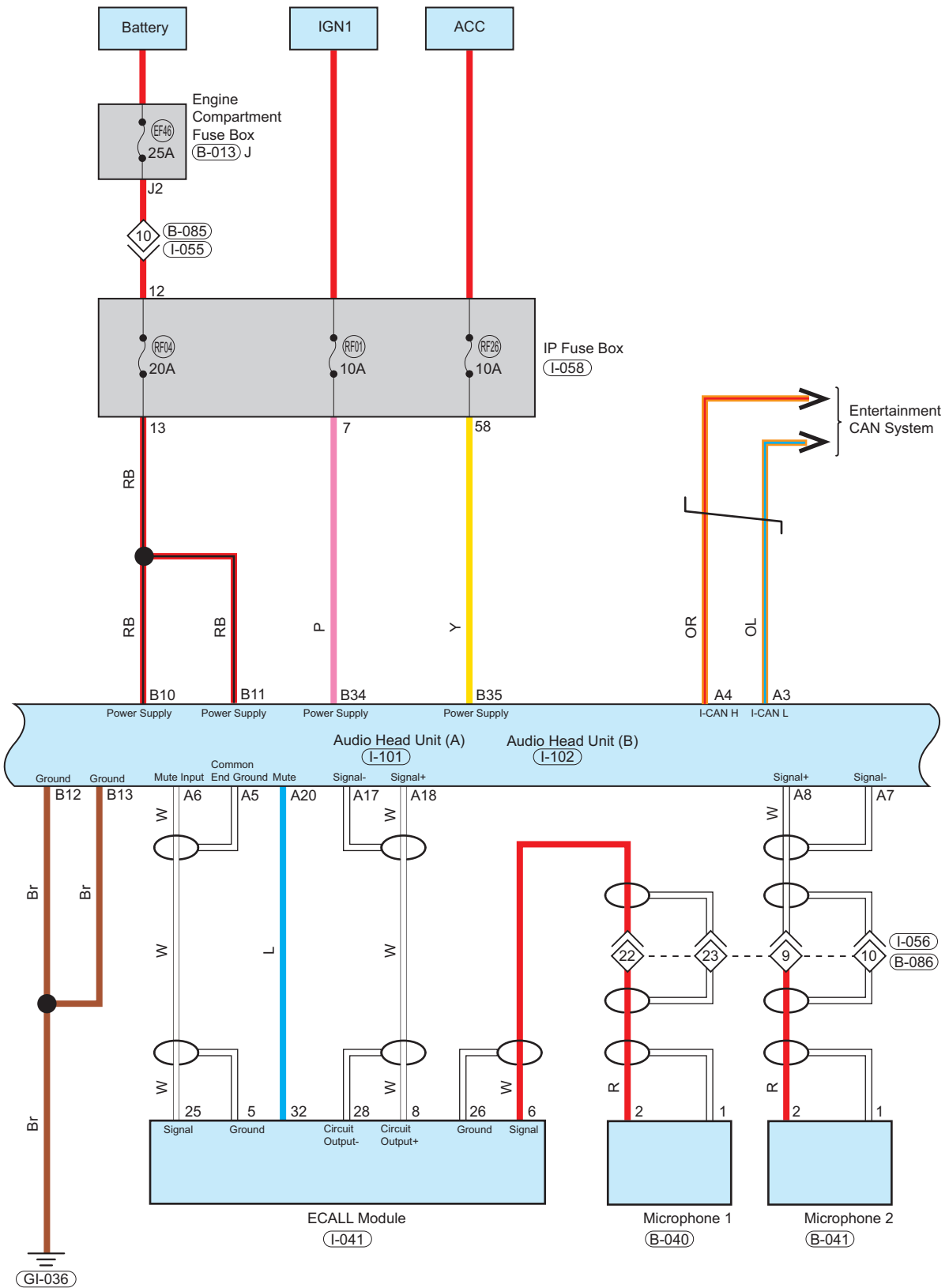
<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
B-038	Sunroof	10-38
B-143	Body Control Module (BDM) - 2	10-39
B-039	Front Dome Light	10-38
B-015	Engine Compartment Fuse Box E	10-25
E-017	Engine Compartment Fuse Box G	10-2
GB-081	G605	10-27
C-001	To Sunroof	11-107
C-002	Sunroof Glass Motor	11-107
C-003	Sunroof Shade Motor	11-107

# Audio Control System



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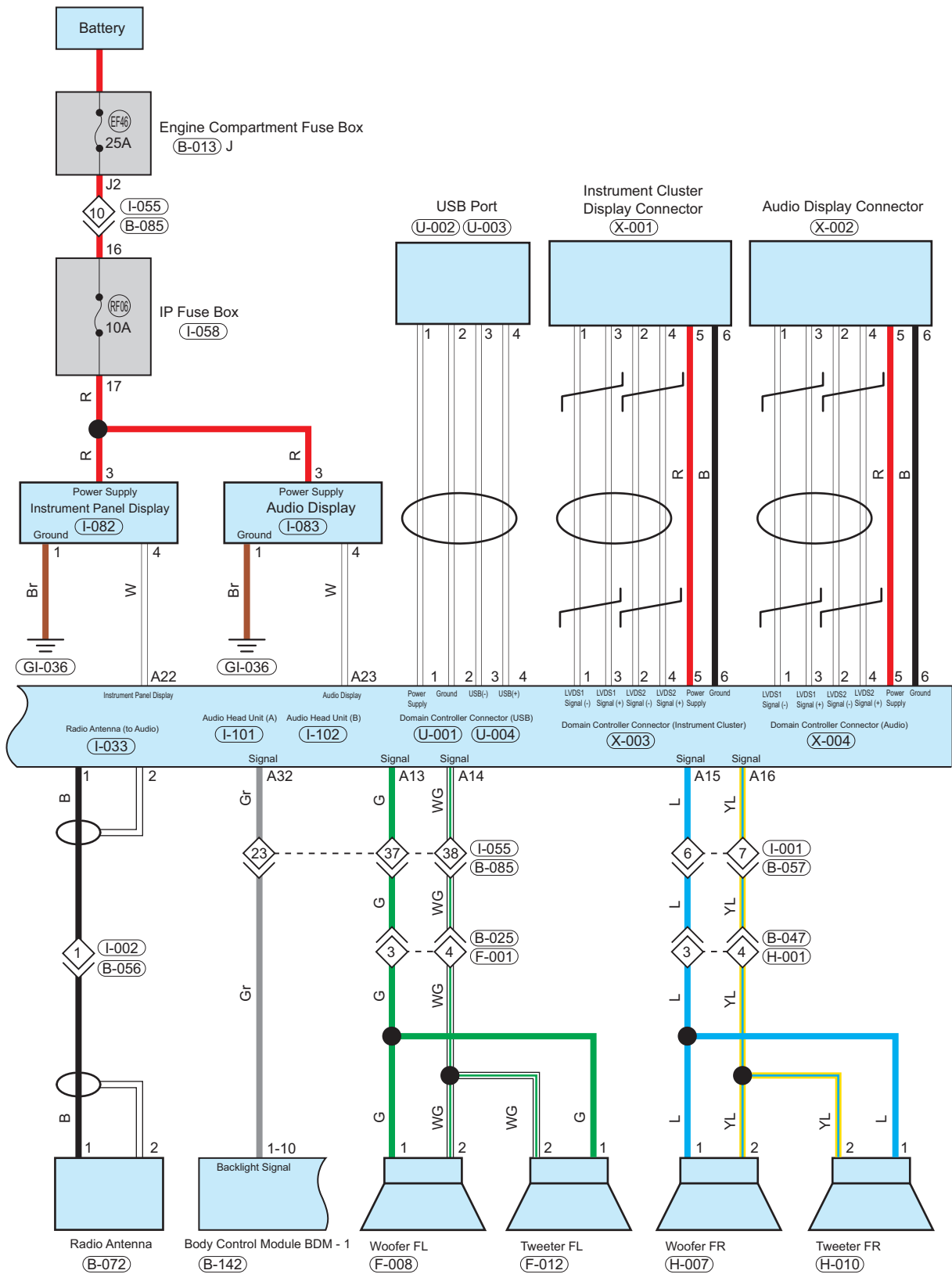
# Audio Control System



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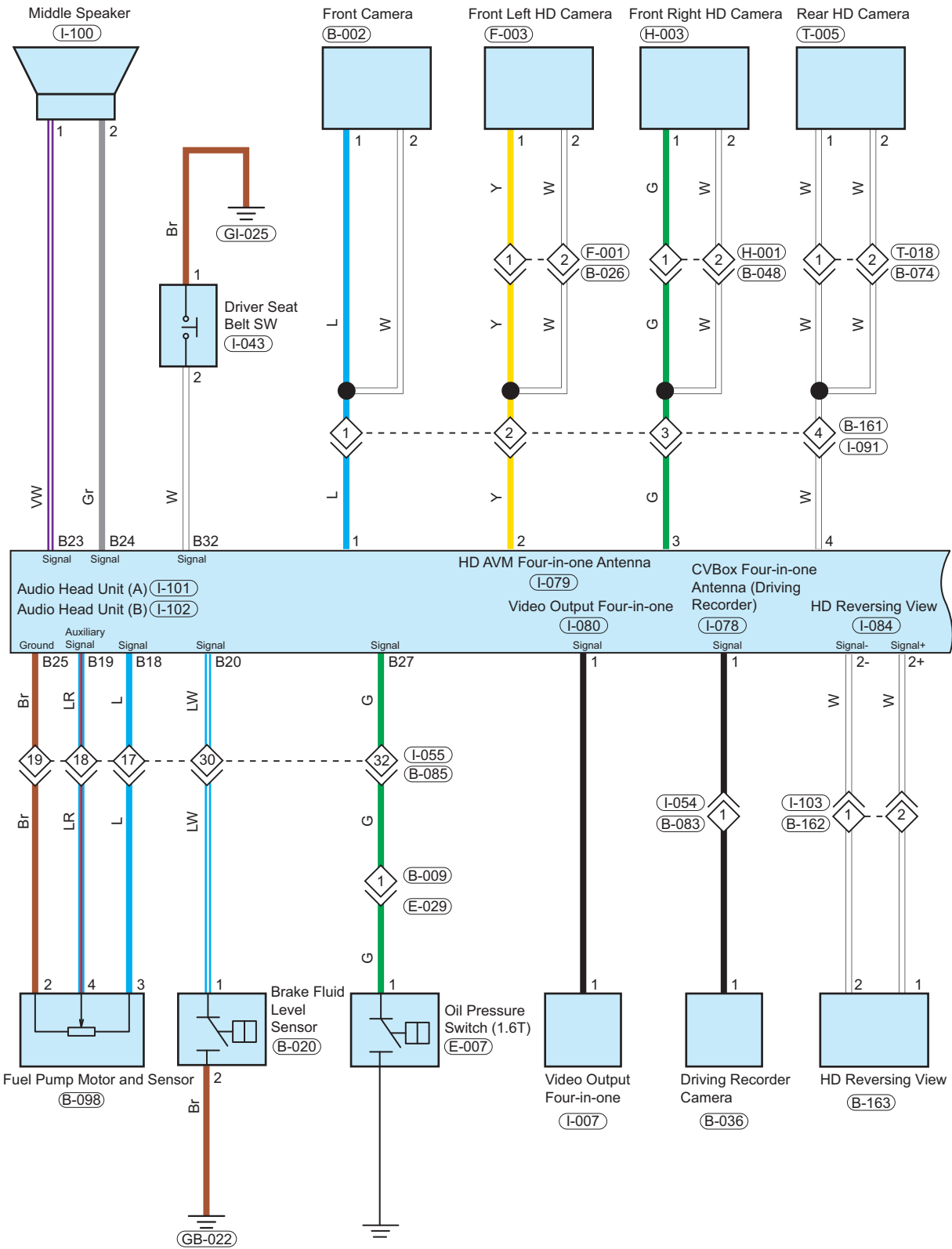
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# Audio Control System



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# Audio Control System



AEE003001

## Audio Control System

Wire Harness Connector	Name	Page Number
I-101	Audio Head Unit A	10-80
I-102	Audio Head Unit B	10-80
I-041	ECALL Module	10-76
B-040	Microphone 1	10-38
B-041	Microphone 2	10-38
L-003	Rear Left Woofer	10-97
L-004	Rear Left Tweeter	10-97
R-003	Rear Right Woofer	10-101
R-004	Rear Right Tweeter	10-101
I-082	Instrument Cluster Display Connector	10-79
I-083	Audio Display	10-79
B-072	Radio Antenna	10-31
U-002	USB Port	10-120
U-003	USB Port	10-120
U-001	USB1 Connector (Domain Controller End)	10-120
U-004	USB2 Connector (Domain Controller End)	10-120
X-001	Instrument Cluster Display Connector	10-119
X-002	Audio Display Connector	10-119
X-003	Domain Controller Connector (Instrument Cluster)	10-119
X-004	Domain Controller Connector (Audio)	10-119
B-142	Body Control Module (BDM) - 1	10-39
F-008	Front Left Woofer	10-91
F-012	Front Left Tweeter	10-92
H-007	Front Right Woofer	10-94
H-010	Front Right Tweeter	10-95
I-100	Middle Speaker	10-79
B-098	Fuel Pump Motor and Sensor	10-29

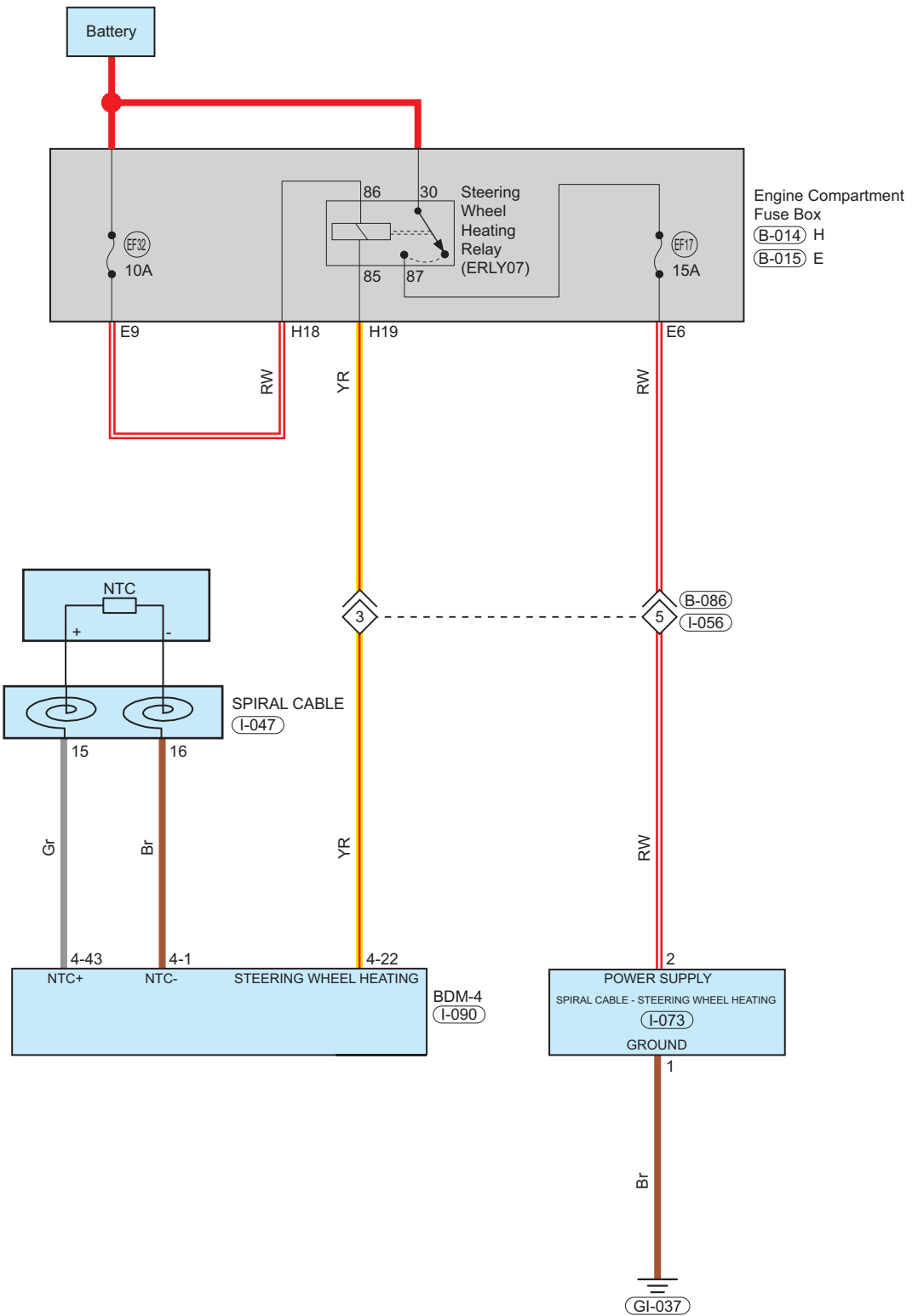


Wire Harness Connector	Name	Page Number
B-020	Brake Fluid Level Sensor	10-25
E-007	Oil Pressure Sensor (1.6T)	10-2
I-043	Driver Seat Belt Switch	10-76
B-013	Engine Compartment Fuse Box J	10-25
I-058	Instrument Panel Fuse Box	10-73
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
B-056	Interior Wire Harness to Instrument Panel Wire Harness (Radio Antenna)	10-37
B-057	Interior Wire Harness to Instrument Panel Wire Harness 3	10-37
B-066	Interior Wire Harness to Rear Right Door Wire Harness	10-36
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
B-095	Interior Wire Harness to Rear Left Door Wire Harness	10-28
B-009	Engine Wire Harness Interface 4 (1.6T)	10-53
E-029	Interior Wire Harness Interface 4 (1.6T)	10-2
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
H-001	Front Left Door Wire Harness to Interior Wire Harness B	10-94
I-001	Instrument Panel Wire Harness to Interior Wire Harness 3	10-75
I-002	Instrument Panel Wire Harness to Interior Wire Harness (Radio Antenna)	10-75
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73

Wire Harness Connector	Name	Page Number
L-001	Rear Left Door Wire Harness to Interior Wire Harness	10-97
R-001	Rear Right Door Wire Harness to Interior Wire Harness	10-101
GI-036	G502	10-76
GI-037	G503	10-76
GB-022	G603	10-25
GI-025	G504	10-77
I-007	Video Output Four-in-one	10-75
B-036	Driving Recorder Camera	10-38
B-163	HD Reversing View	10-44
B-002	Front Camera	10-26
F-003	Front Left HD Camera	10-91
H-003	Front Right HD Camera	10-94
T-005	HD Rear View Camera	10-105
I-080	Video Output Four-in-one	10-79
I-078	HD AVM Four-in-one Antenna	10-79
I-084	HD Reversing View	10-79
I-079	HD AVM Four-in-one Antenna	10-79
B-026	Interior Wire Harness to Front Left Door Wire Harness (Left HD Camera)	10-27
B-048	Interior Wire Harness to Front Right Door Wire Harness (Right HD Camera)	10-37
B-074	Interior Wire Harness to Back Door Wire Harness (HD Rear View Camera)	10-31
B-161	Interior Wire Harness to Instrument Panel Wire Harness (HD AVM Four-in-one Antenna)	10-43
I-091	Instrument Panel Wire Harness to Interior Wire Harness (HD AVM Four-in-one Antenna)	10-81
I-033	Radio Antenna	10-74
T-021	DAB Antenna Amplifier	10-107
T-022	DAB Antenna	10-107

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
T-023	DAB Antenna to Interior	10-107
B-206	Interior Wire Harness to Back Door Wire Harness (DAB Antenna)	10-62
B-202	Interior Wire Harness to Instrument Panel Wire Harness (DAB Antenna)	10-58
I-109	Instrument Panel to Interior Wire Harness Interface (DAB Antenna)	10-86
I-105	DAB Antenna	10-84
I-065	Instrument Panel to Interior Wire Harness Interface (GPS Antenna)	10-84
B-203	Interior Wire Harness to Instrument Panel Wire Harness (GPS Antenna)	10-58
B-207	GPS Antenna	10-62
I-054	Driving Recorder Connector	10-73
I-066	GPS Antenna	10-84

# Steering Wheel Heating



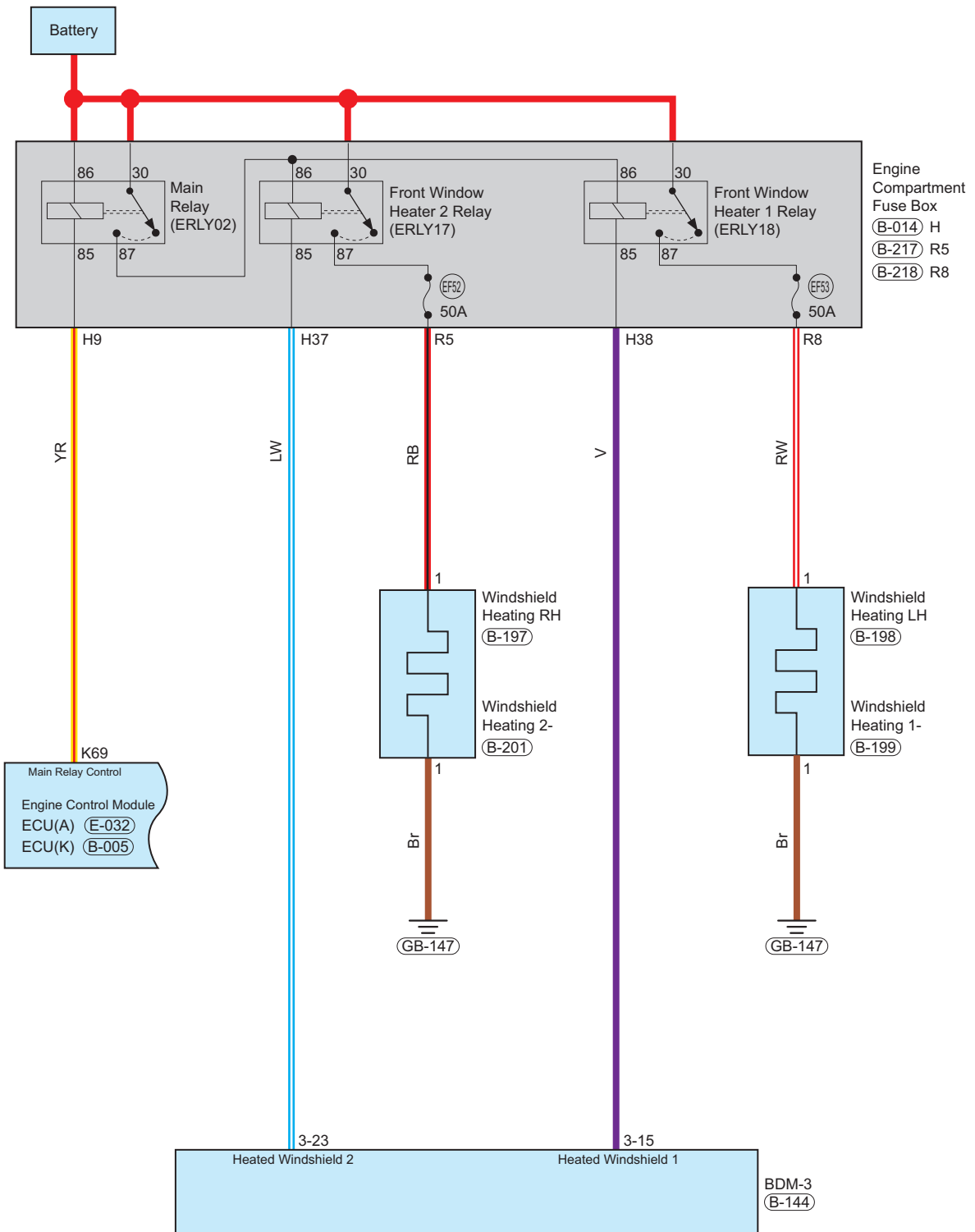
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## Steering Wheel Heating

Wire Harness Connector	Name	Page Number
I-090	Body Control Module (BDM) - 4	10-81
I-047	Spiral Cable	10-73
I-073	Spiral Cable - Steering Wheel Heating	10-82
B-014	Engine Compartment Fuse Box H	10-25
B-015	Engine Compartment Fuse Box E	10-25
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
GI-037	G503	10-76

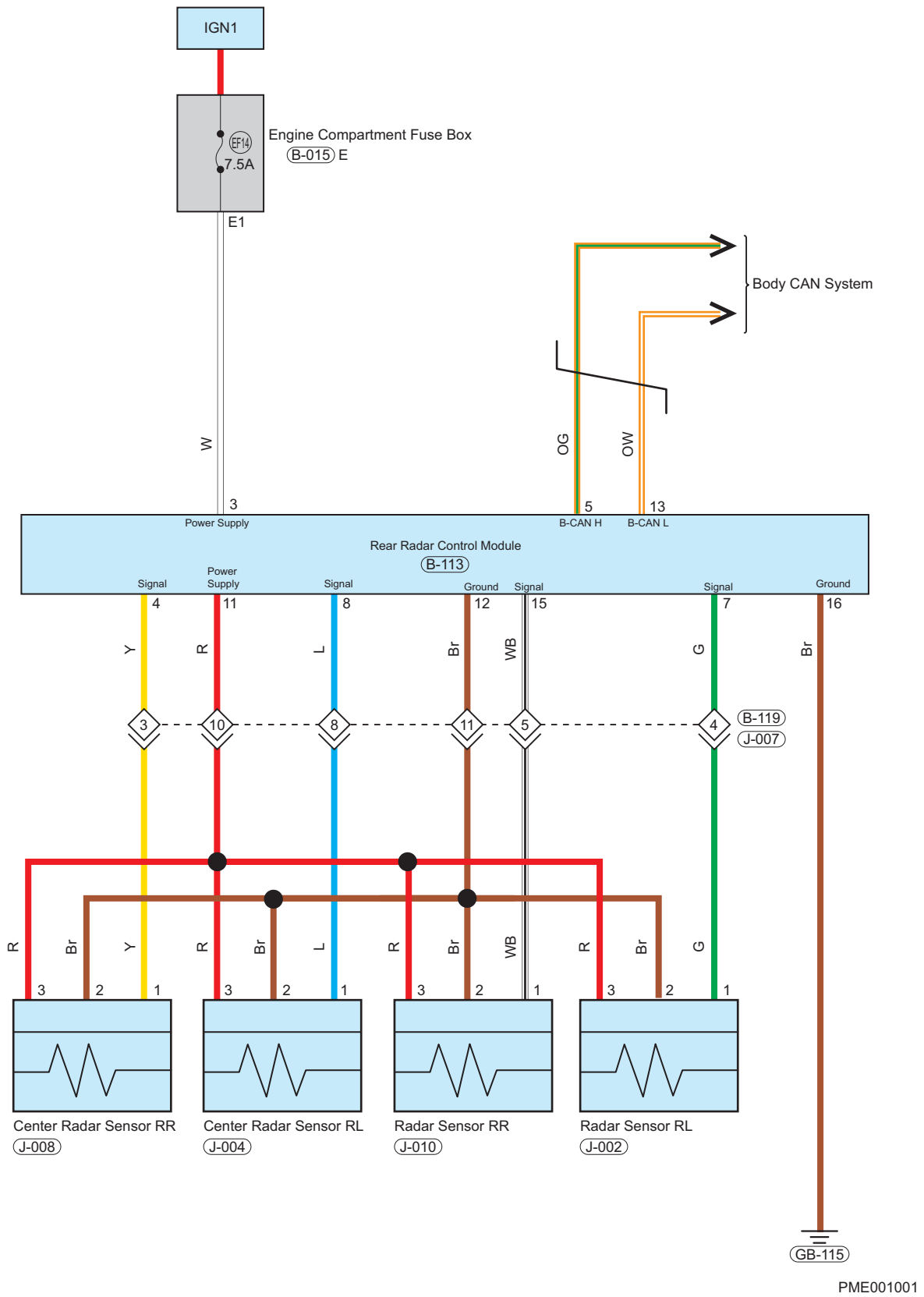
# Windshield Heating



## Windshield Heating

Wire Harness Connector	Name	Page Number
B-014	Engine Compartment Fuse Box H	10-25
E-032	ECU (A) 1.6T	10-2
B-005	ECU (K) 1.6T	10-53
B-197	Windshield Heating - Right	10-56
B-201	Windshield Heating 2-	10-58
B-198	Windshield Heating - Left	10-56
B-199	Windshield Heating 1 -	10-57
B-144	Body Control Module (BDM) - 3	10-39
GB-147	Ground G611	10-40

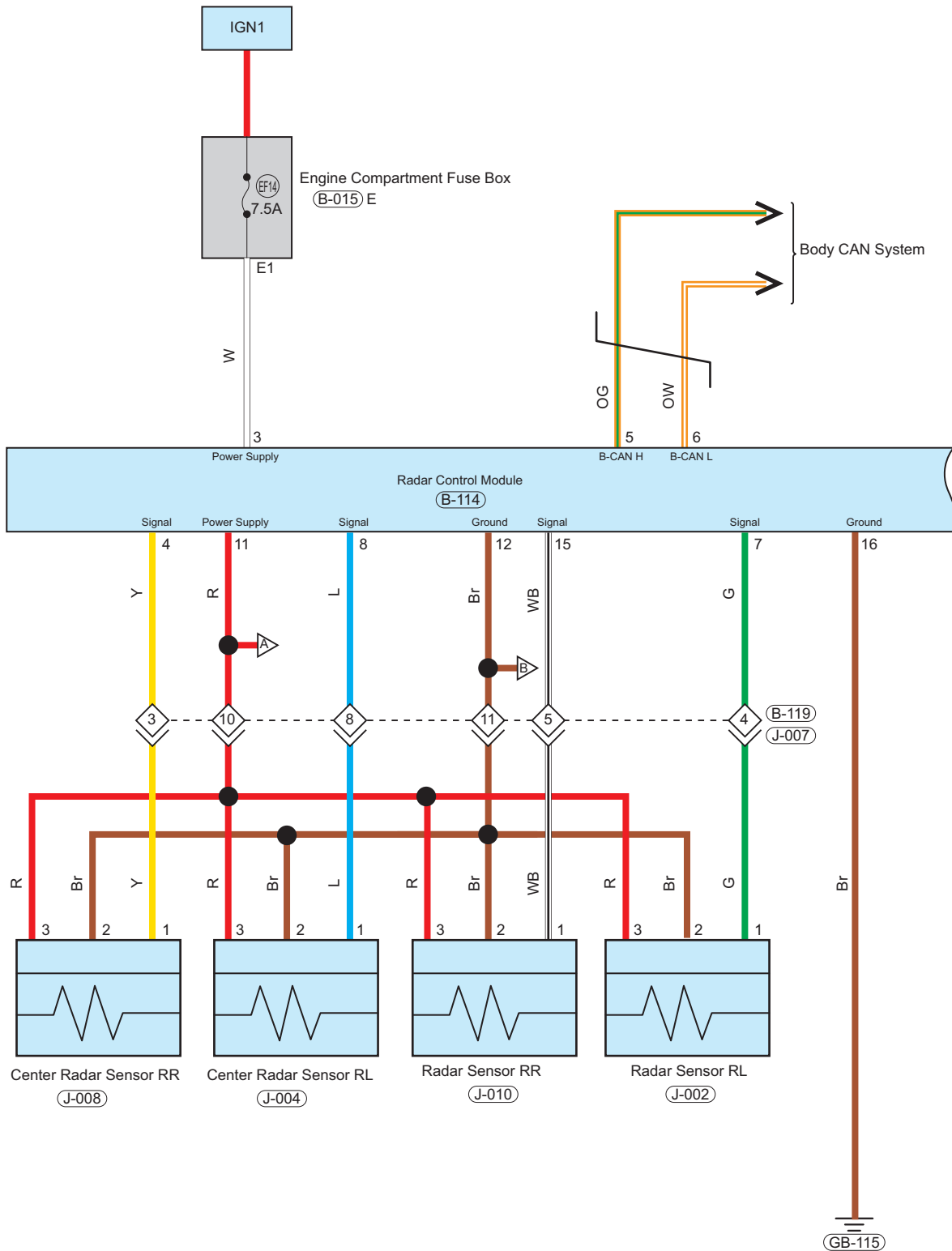
# Parking Radar Assist System (RADAR)



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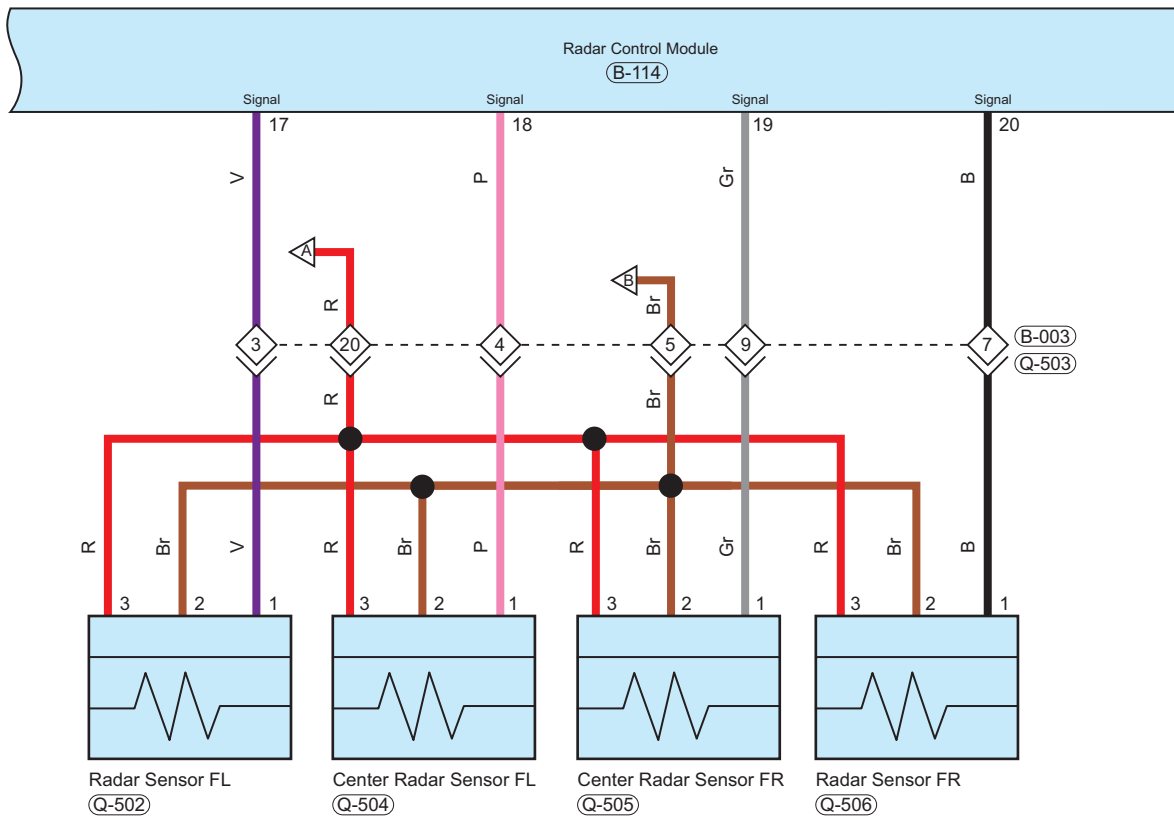


# Parking Radar Assist System (RADAR)



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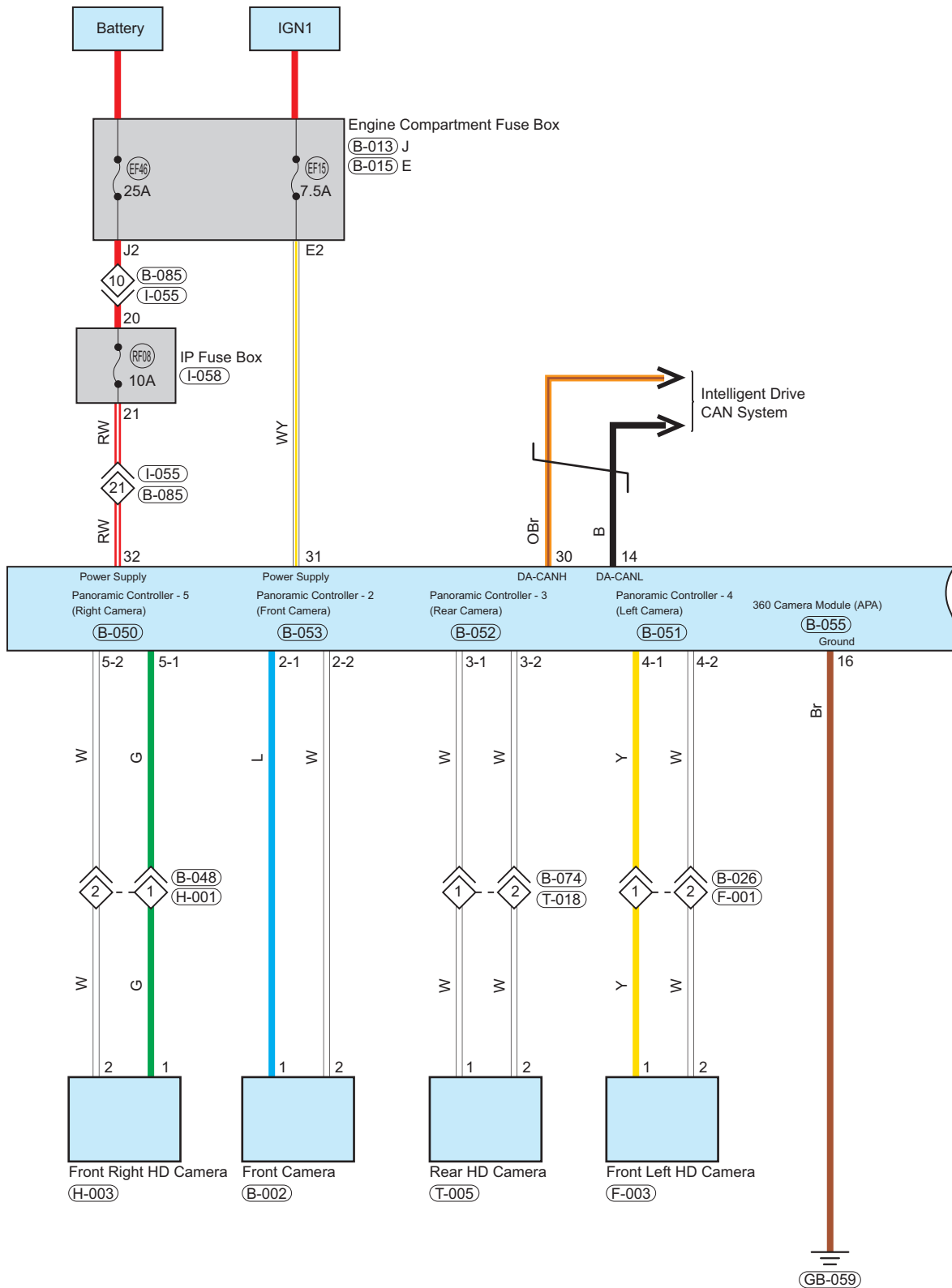
# Parking Radar Assist System (RADAR)



## Parking Radar Assist System (RADAR)

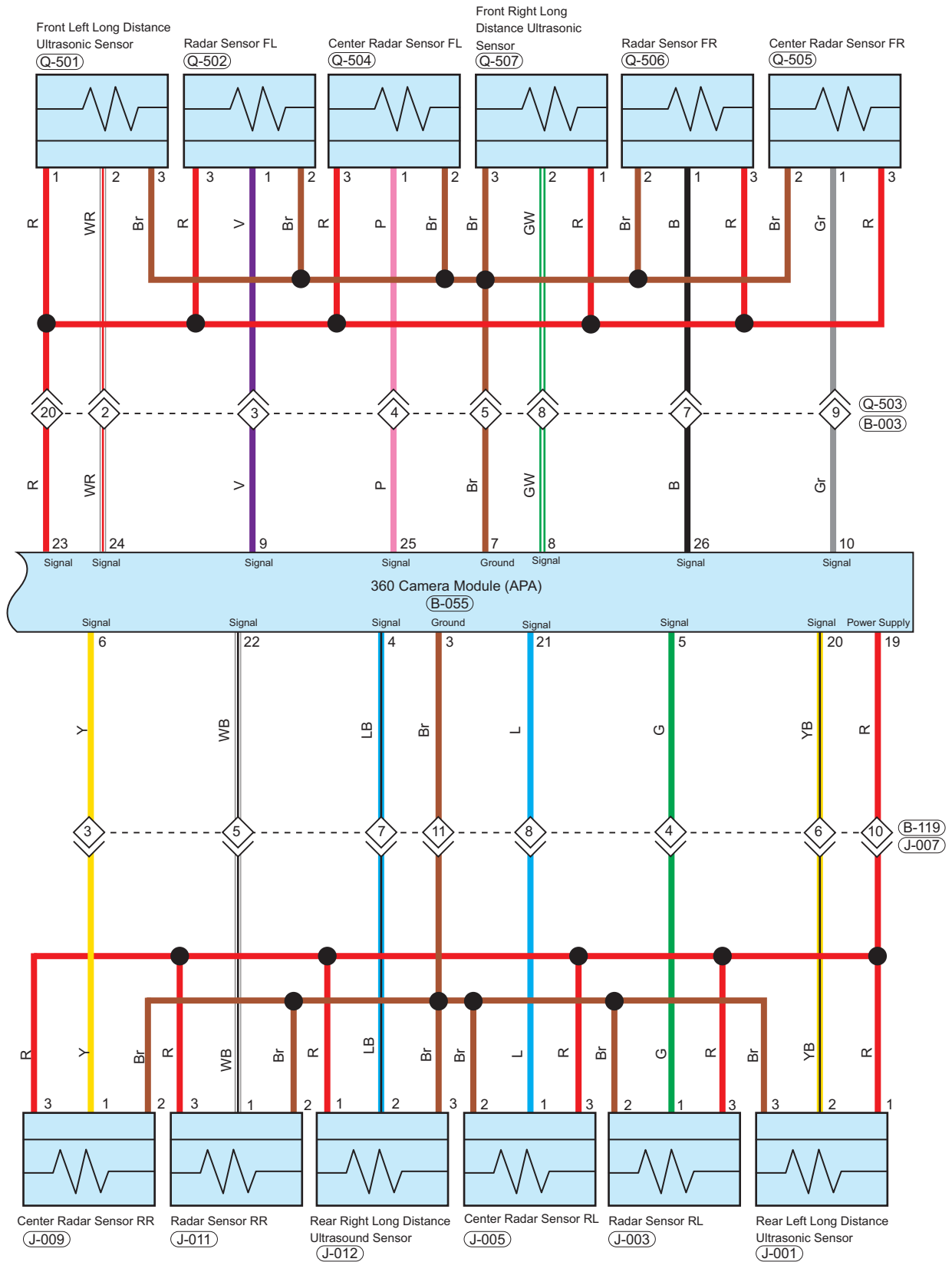
Wire Harness Connector	Name	Page Number
B-113	Rear Radar Control Module	10-32
J-008	Rear Right Center Radar Sensor	10-109
J-004	Rear Left Center Radar Sensor	10-109
J-010	Rear Right Radar Sensor	10-109
J-002	Rear Left Radar Sensor	10-109
B-114	Radar Control Module	10-48
Q-502	Front Left Radar Sensor	10-21
Q-504	Front Left Center Radar Sensor	10-21
Q-505	Front Right Center Radar Sensor	10-21
Q-506	Front Right Radar Sensor	10-21
B-015	Engine Compartment Fuse Box E	10-25
B-119	Interior Wire Harness to Rear Bumper Wire Harness	10-32
J-007	Rear Bumper Wire Harness to Interior Wire Harness	10-109
B-003	Front Radar Wire Harness to Interior Wire Harness	10-26
Q-503	Front Radar Wire Harness to Interior Wire Harness	10-21
GB-115	G608	10-32

# Panoramic View Monitor System (APA)



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# Panoramic View Monitor System (APA)



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## Panoramic View Monitor System (APA)

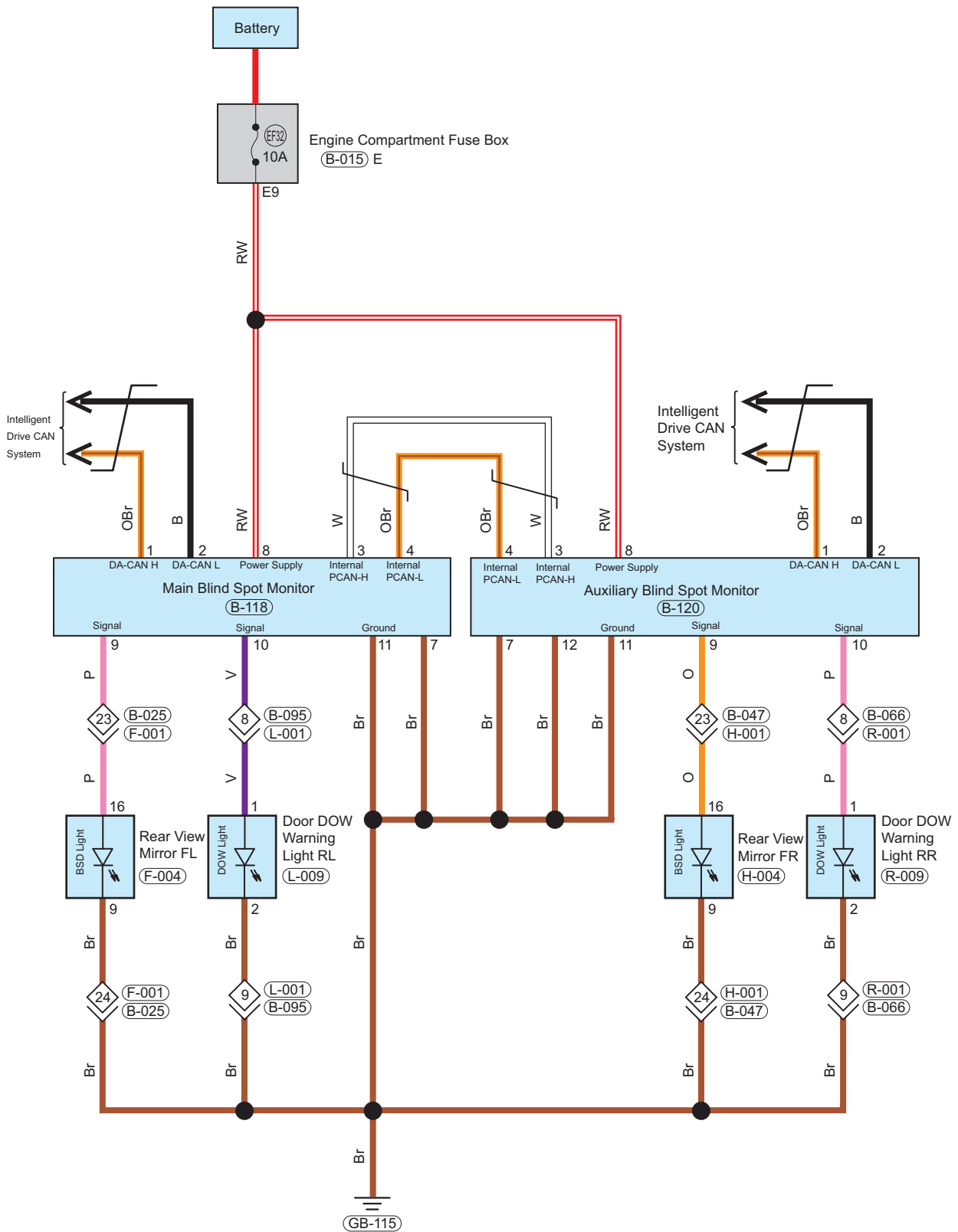
Wire Harness Connector	Name	Page Number
B-050	Panoramic Controller - 5 (Right Camera)	10-37
B-053	Panoramic Controller - 2 (Front Camera)	10-37
B-052	Panoramic Controller - 3 (Rear Camera)	10-37
B-051	Panoramic Controller - 4 (Left Camera)	10-37
H-003	Front Right HD Camera	10-94
B-002	Front Camera	10-26
T-005	HD Rear View Camera	10-105
F-003	Front Left HD Camera	10-91
I-079	HD AVM Four-in-one Antenna	10-79
I-084	HD Reversing View	10-79
B-002	Front Camera	10-26
F-003	Front Left HD Camera	10-91
H-003	Front Right HD Camera	10-94
B-163	HD Reversing View	10-44
Q-501	Front Left Long Distance Ultrasonic Sensor	10-21
Q-502	Front Left Radar Sensor	10-21
Q-504	Front Left Center Radar Sensor	10-21
Q-507	Front Right Long Distance Ultrasonic Sensor	10-21
Q-506	Front Right Radar Sensor	10-21
Q-505	Front Right Center Radar Sensor	10-21
J-009	Rear Right Center Radar Sensor	10-109
J-011	Rear Right Radar Sensor	10-109
J-012	Rear Right Long Distance Ultrasound Sensor	10-109
J-005	Rear Left Center Radar Sensor	10-109
J-003	Rear Left Radar Sensor	10-109
J-001	Rear Left Long Distance Ultrasonic Sensor	10-109

Wire Harness Connector	Name	Page Number
B-013	Engine Compartment Fuse Box J	10-25
B-015	Engine Compartment Fuse Box E	10-25
I-058	Instrument Panel Fuse Box	10-73
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
B-048	Interior Wire Harness to Front Right Door Wire Harness (Right HD Camera)	10-37
H-001	Front Right Door Wire Harness to Interior Wire Harness (Right HD Camera)	10-94
B-074	Interior Wire Harness to Back Door Wire Harness (HD Rear View Camera)	10-31
T-018	Back Door Wire Harness to Interior Wire Harness (Rear HD Camera)	10-105
B-026	Interior Wire Harness to Front Left Door Wire Harness (Left HD Camera)	10-27
F-001	Front Left Door Wire Harness to Interior Wire Harness (Left HD Camera)	10-91
I-091	Instrument Panel Wire Harness to Interior Wire Harness (HD AVM Four-in-one Antenna)	10-81
B-161	Interior Wire Harness to Instrument Panel Wire Harness (HD AVM Four-in-one Antenna)	10-43
B-074	Interior Wire Harness to Back Door Wire Harness (HD Rear View Camera)	10-31
T-018	Back Door Wire Harness to Interior Wire Harness (Rear HD Camera)	10-105
I-103	Instrument Panel Wire Harness to Interior Wire Harness (HD Reversing View)	10-81
B-162	Interior Wire Harness to Instrument Panel Wire Harness (HD Reversing View)	10-43

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
Q-503	Front Radar Wire Harness to Interior Wire Harness	10-21
B-003	Front Radar Wire Harness to Interior Wire Harness	10-26
B-119	Interior Wire Harness to Rear Bumper Wire Harness	10-32
J-007	Rear Bumper Wire Harness to Interior Wire Harness	10-109
GB-059	G610	10-37



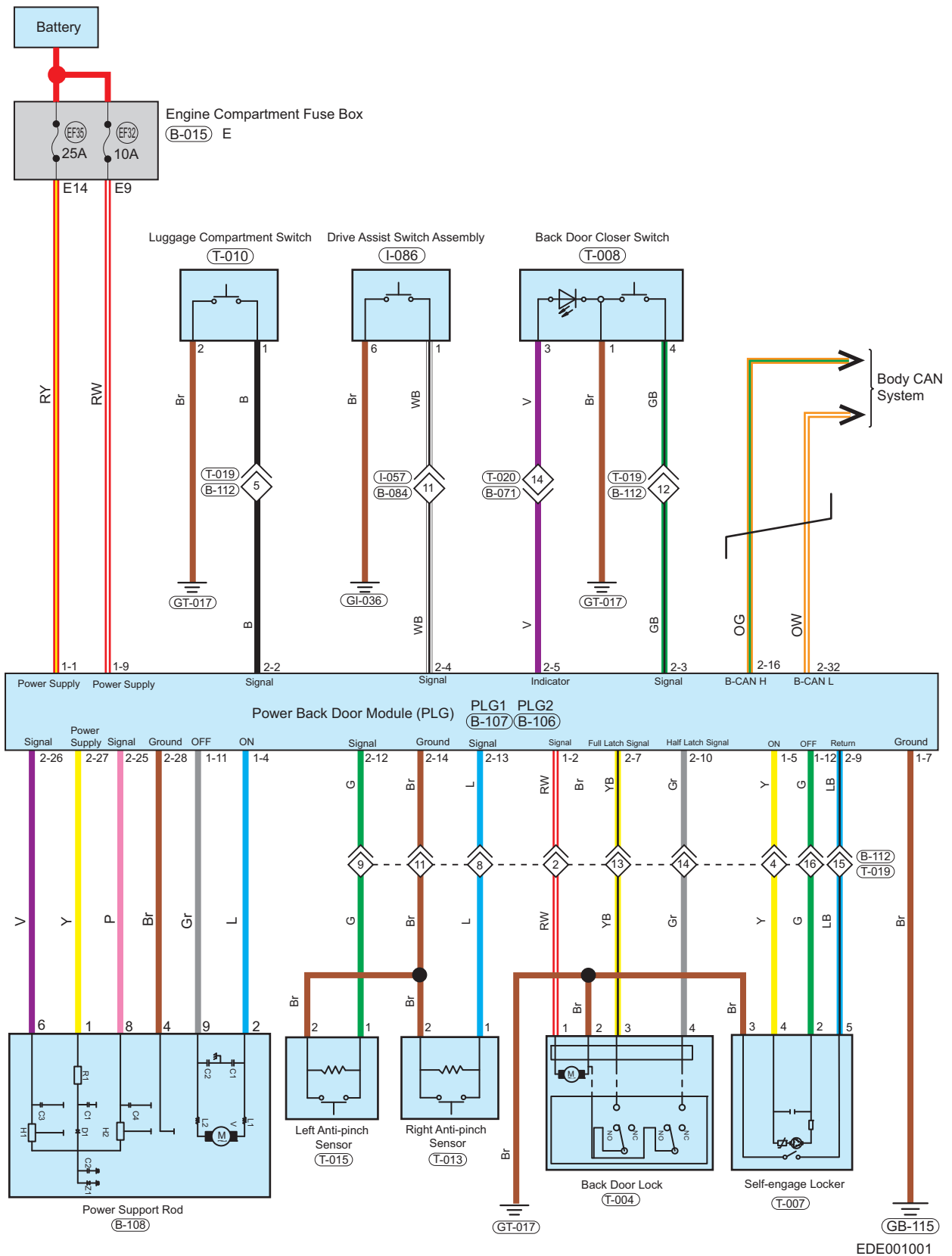
# Blind Spot Monitoring System (BSD)



## Blind Spot Monitoring System (BSD)

Wire Harness Connector	Name	Page Number
B-118	Main Blind Spot Monitor	10-32
B-120	Auxiliary Blind Spot Monitor	10-33
F-004	Left Rear View Mirror Interface	10-91
L-009	Left Rear View Mirror Interface	10-98
H-004	Right Rear View Mirror	10-94
R-009	Right Rear View Mirror Interface	10-102
B-015	Engine Compartment Fuse Box E	10-25
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
B-095	Interior Wire Harness to Rear Left Door Wire Harness	10-28
L-001	Rear Left Door Wire Harness to Interior Wire Harness	10-97
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
B-066	Interior Wire Harness to Rear Right Door Wire Harness	10-36
R-001	Rear Right Door Wire Harness to Interior Wire Harness	10-101
GB-115	G608	10-32
B-200	SOS SW	10-57
B-084	Instrument Panel Wire Harness Interface 5	10-27
I-057	Interior Wire Harness Interface 5	10-73
B-057	Instrument Panel Wire Harness Interface 3	10-37
I-001	Interior Wire Harness Interface 3	10-75
B-142	Body Control Module (BDM) - 1	10-40

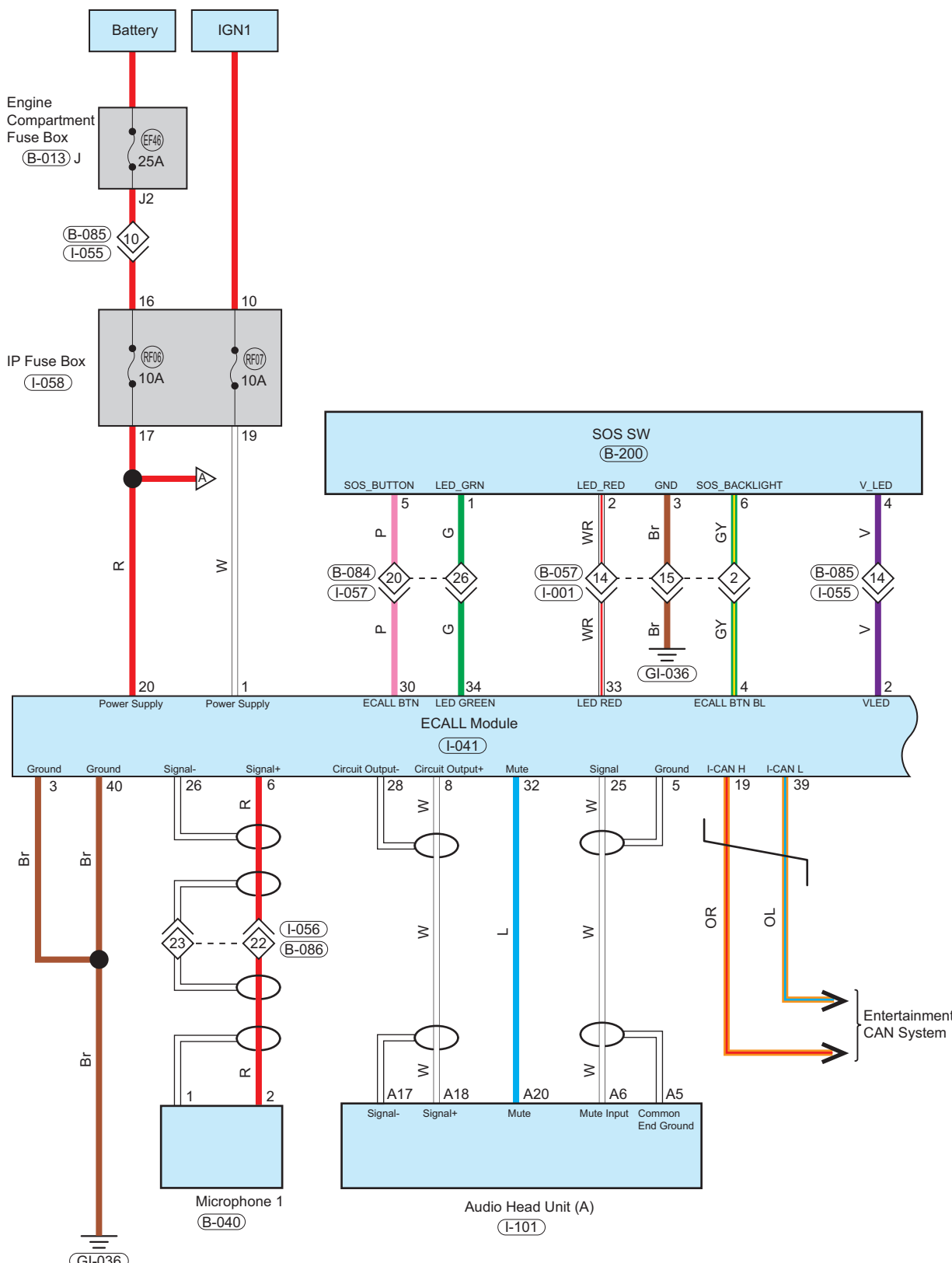
# Power Back Door System (PLG)



## Power Back Door System (PLG)

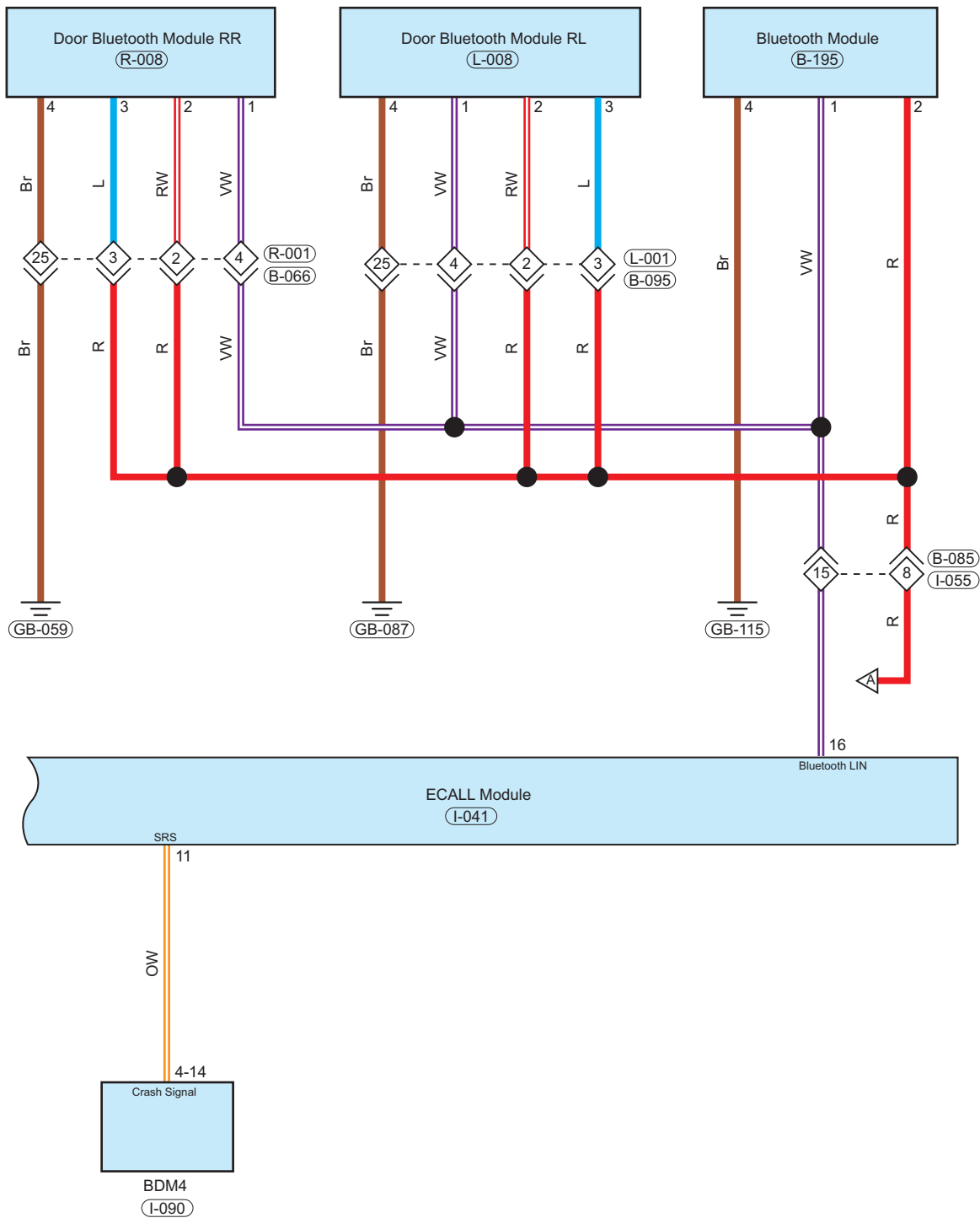
Wire Harness Connector	Name	Page Number
B-107	Power Back Door Module PLG-1	10-30
B-106	Power Back Door Module PLG-2	10-30
T-010	Luggage Compartment Switch	10-105
I-086	Drive Assist Switch Assembly	10-79
T-008	Back Door Closer Switch	10-105
B-108	Power Support Rod	10-31
T-015	Left Anti-pinch Sensor	10-105
T-013	Right Anti-pinch Sensor	10-105
T-004	Back Door Lock	10-105
T-007	Self-engage Locker	10-105
B-015	Engine Compartment Fuse Box E	10-25
T-019	Back Door Wire Harness to Interior Wire Harness 1	10-105
B-112	Interior Wire Harness to Back Door Wire Harness 1	10-31
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27
T-020	Back Door Wire Harness to Interior Wire Harness 2	10-105
B-071	Interior Wire Harness to Back Door Wire Harness 2	10-31
GT-017	G701	10-105
GI-036	G502	10-76
GB-115	G608	10-32

# Information Communication System (ECALL)



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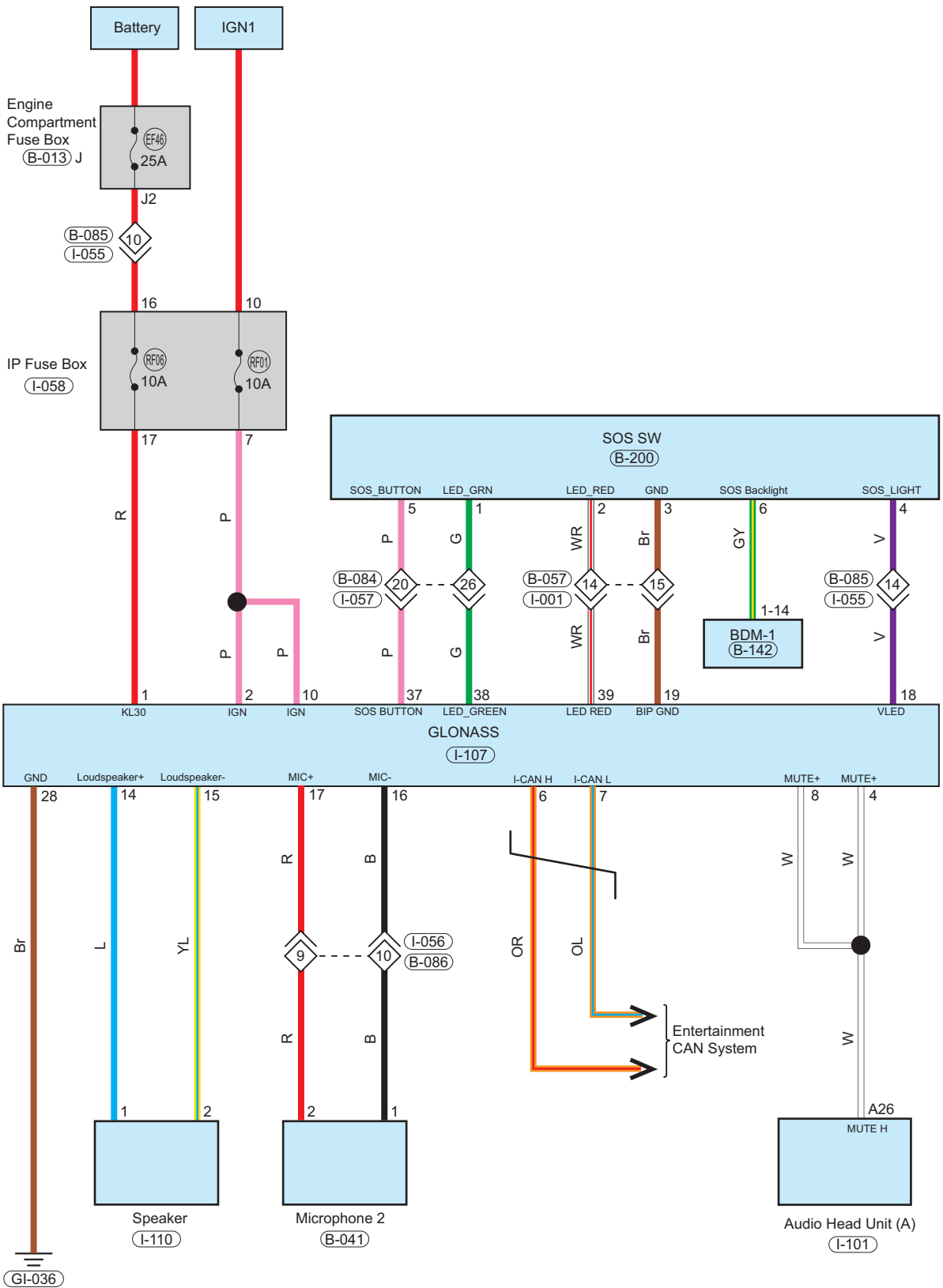
# Information Communication System (ECALL)



## Information Communication System (ECALL)

Wire Harness Connector	Name	Page Number
I-041	ECALL Module	10-76
B-040	Microphone 1	10-38
I-101	Audio Head Unit (A)	10-80
R-008	Rear Right Door Bluetooth Module	10-101
L-008	Rear Left Door Bluetooth Module	10-97
B-195	Bluetooth Module	10-52
B-013	Engine Compartment Fuse Box J	10-25
I-058	Instrument Panel Fuse Box	10-73
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
R-001	Rear Right Door Wire Harness to Interior Wire Harness	10-101
B-066	Interior Wire Harness to Rear Right Door Wire Harness	10-36
L-001	Rear Left Door Wire Harness to Interior Wire Harness	10-97
B-095	Interior Wire Harness to Rear Left Door Wire Harness	10-28
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
GI-036	G502	10-76
GB-059	G610	10-37
GB-087	G607	10-28
GB-115	G608	10-32

# GLONASS



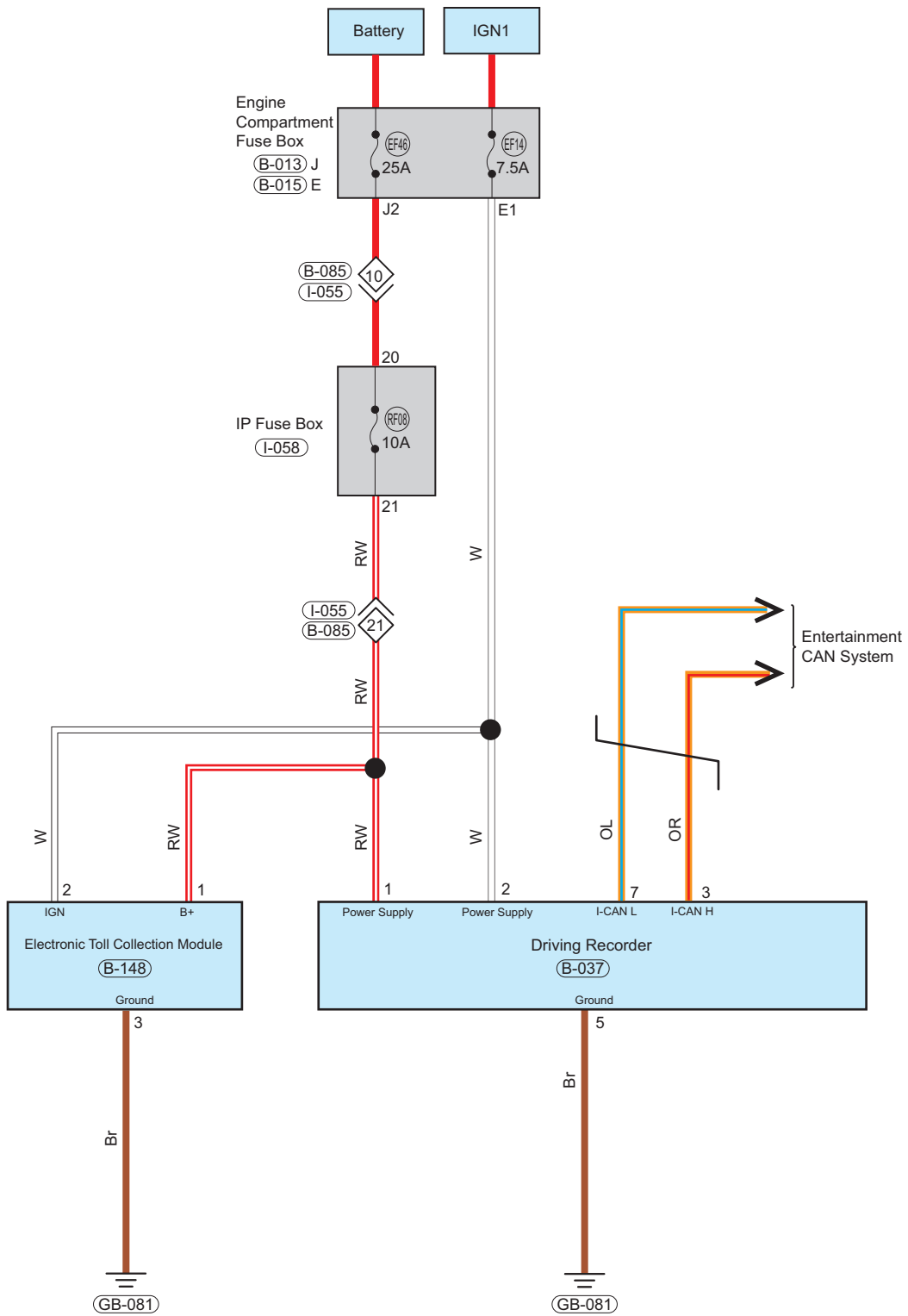
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# GLONASS

Wire Harness Connector	Name	Page Number
B-041	Microphone 2	10-38
B-057	Instrument Panel Wire Harness Interface 3	10-37
B-084	Instrument Panel Wire Harness Interface 5	10-27
B-085	Instrument Panel Wire Harness Interface 1	10-27
B-086	Instrument Panel Wire Harness Interface 2	10-27
B-142	Body Control Module (BDM) - 1	10-39
B-200	SOS SW	10-57
GI-036	Ground G502	10-76
I-001	Interior Wire Harness Interface 3	10-75
I-055	Interior Wire Harness Interface 1	10-73
I-056	Interior Wire Harness Interface 2	10-73
I-057	Interior Wire Harness Interface 5	10-73
I-058	Instrument Panel Fuse Box	10-73
I-101	Audio Head Unit A	10-80
I-107	GLONASS	10-84
I-110	Speaker	10-86

# Driving Recorder (DVR)/Electronic Toll Collection Module

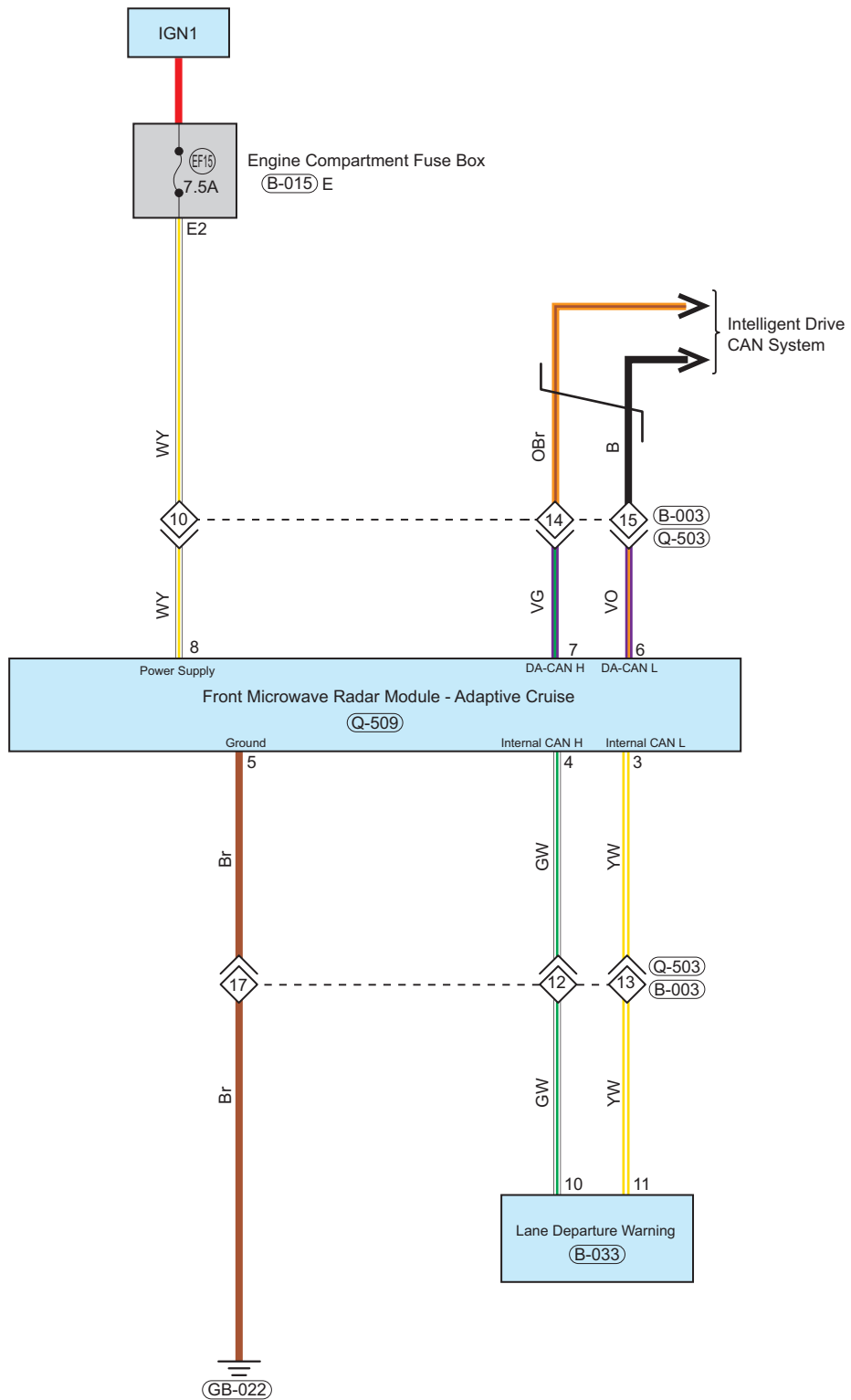


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## Driving Recorder (DVR)/Electronic Toll Collection Module

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
B-037	Driving Recorder	10-38
B-013	Engine Compartment Fuse Box J	10-25
B-015	Engine Compartment Fuse Box E	10-25
I-058	Instrument Panel Fuse Box	10-73
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
GB-081	G605	10-27
B-148	Electronic Toll Collection Module	10-49

# Front Radar Module (FRM)



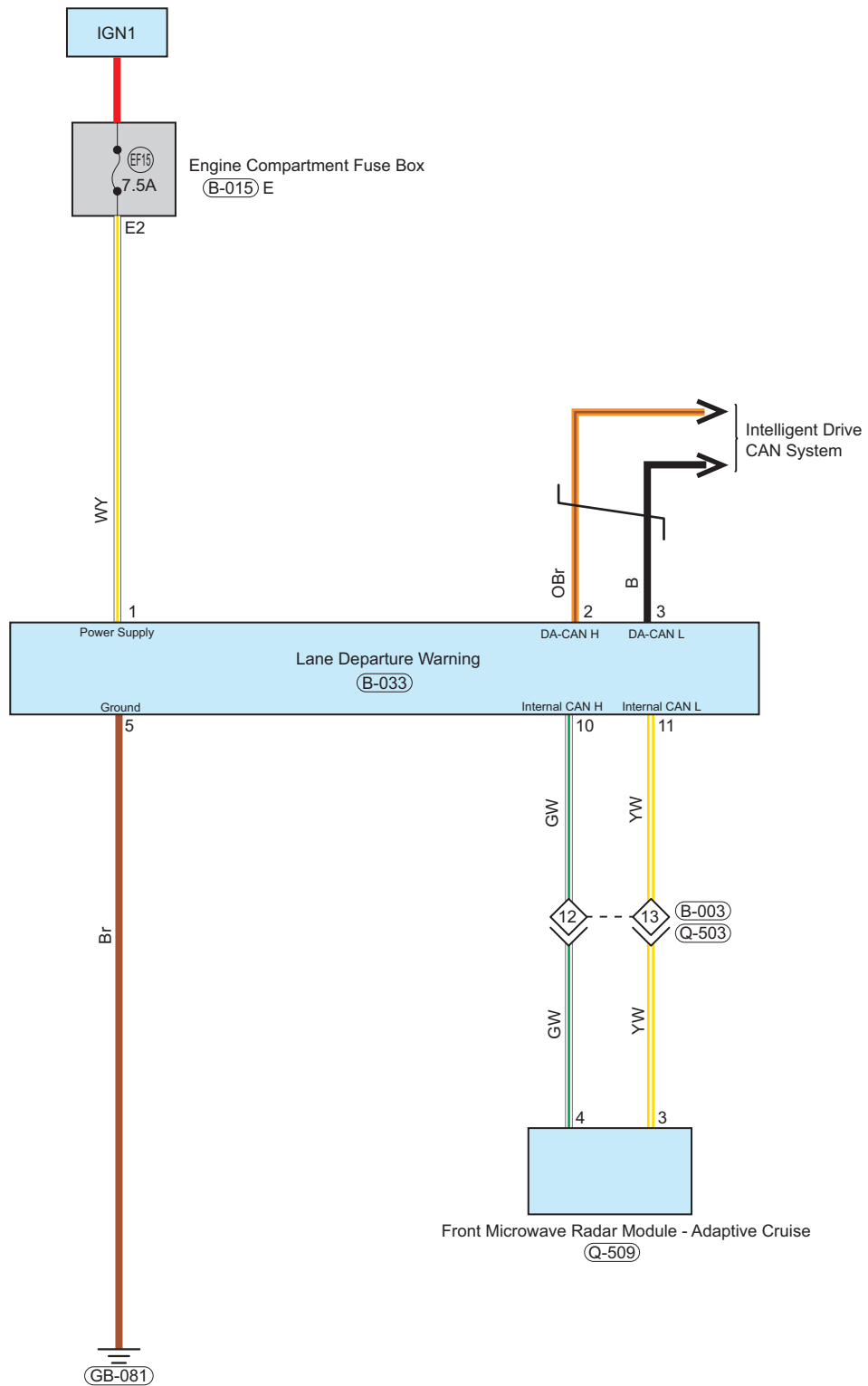
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## Front Radar Module (FRM)

Wire Harness Connector	Name	Page Number
Q-509	Front Microwave Radar Module - Adaptive Cruise	10-22
B-033	Lane Departure Warning	10-38
B-015	Engine Compartment Fuse Box E	10-25
B-003	Front Radar Wire Harness to Interior Wire Harness	10-26
Q-503	Front Radar Wire Harness to Interior Wire Harness	10-21
GB-022	G603	10-25

# Front Camera System (FCM)



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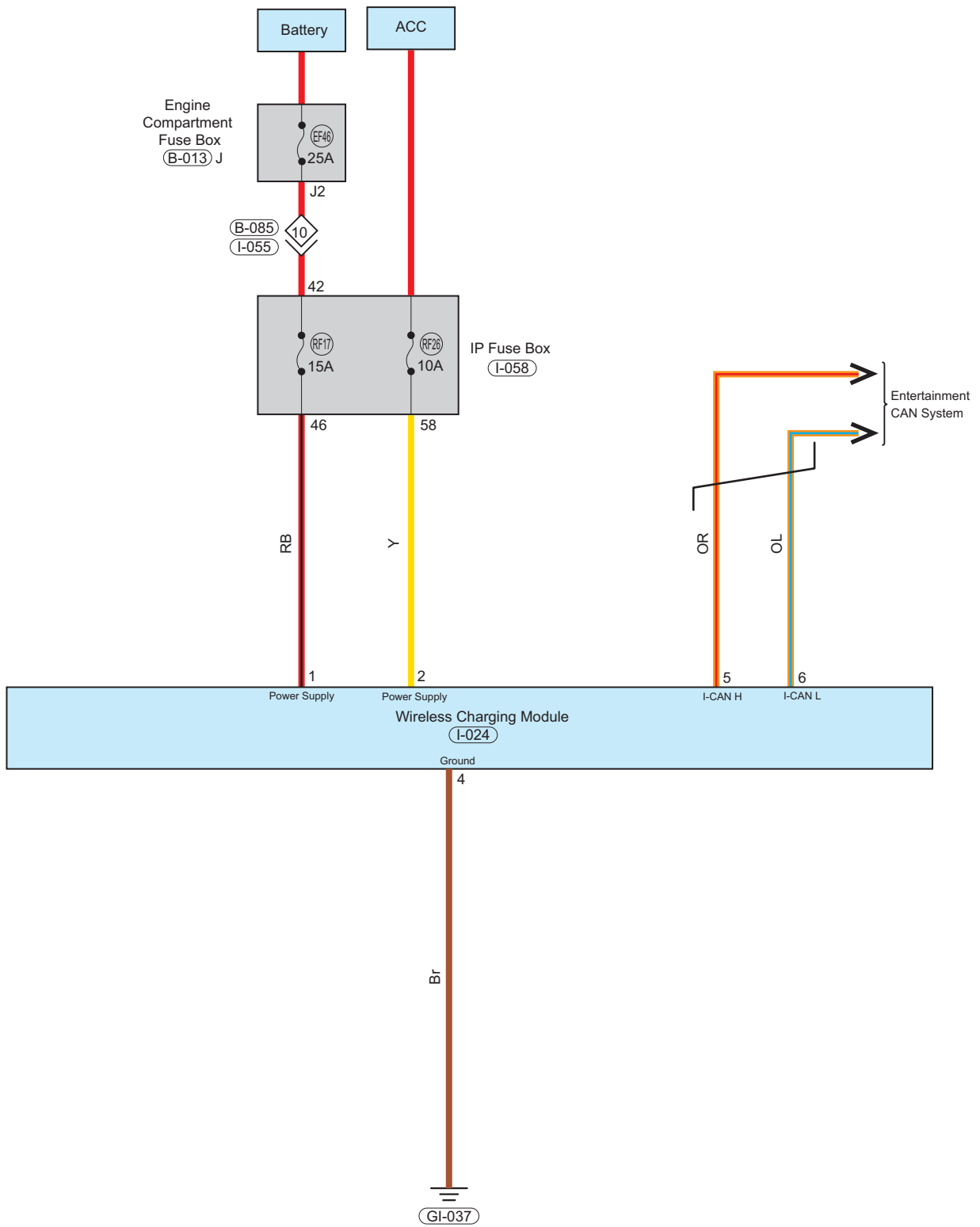
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## Front Camera System (FCM)

Wire Harness Connector	Name	Page Number
B-033	Lane Departure Warning	10-38
Q-509	Front Microwave Radar Module - Adaptive Cruise	10-22
B-015	Engine Compartment Fuse Box E	10-25
B-003	Front Radar Wire Harness to Interior Wire Harness	10-26
Q-503	Front Radar Wire Harness to Interior Wire Harness	10-21
GB-081	G605	10-27

# Wireless Charging System (CWC)



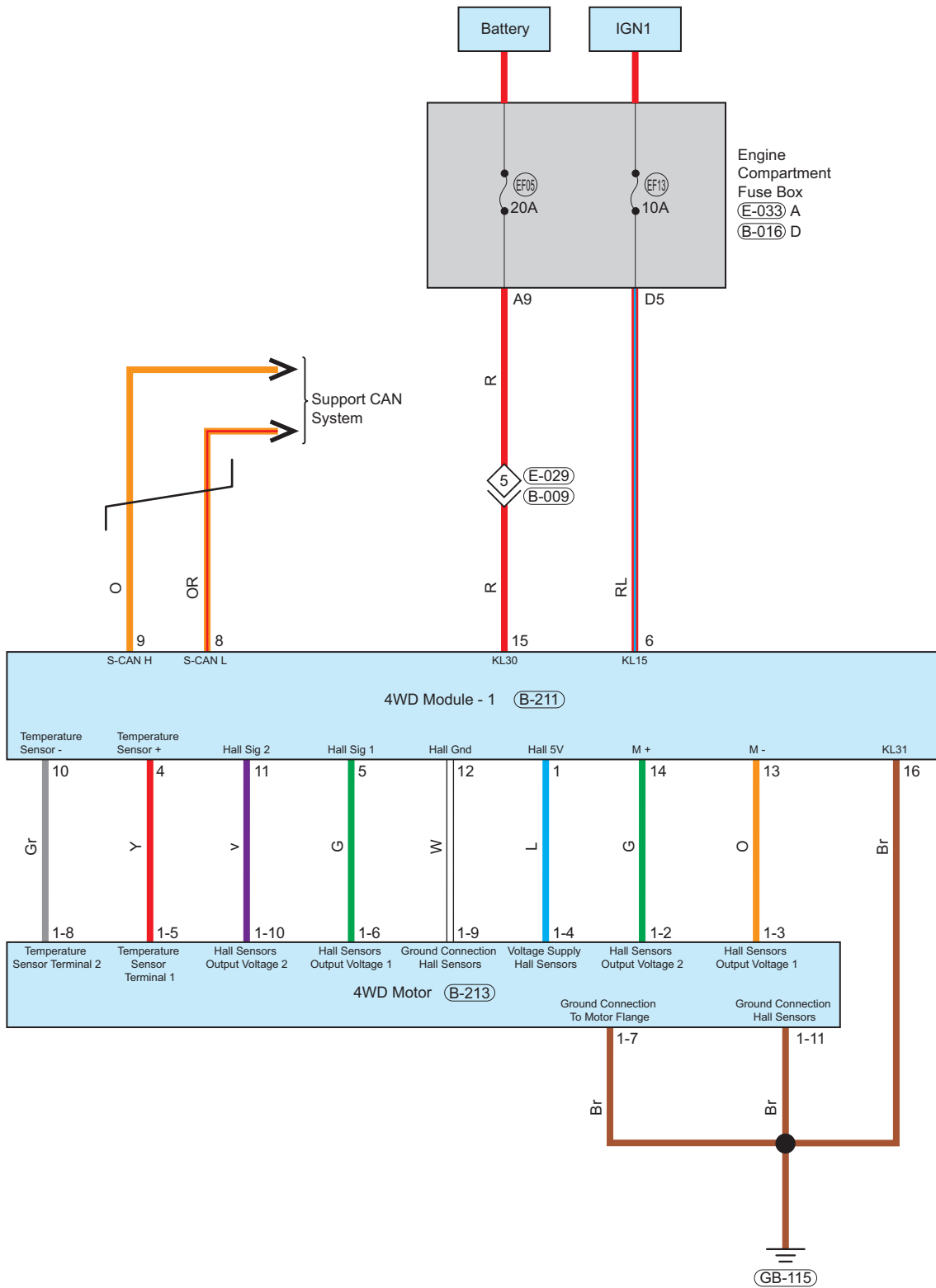


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## Wireless Charging System (CWC)

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
I-024	Wireless Charging Module	10-76
B-013	Engine Compartment Fuse Box J	10-25
I-058	Instrument Panel Fuse Box	10-73
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
GI-037	G503	10-76

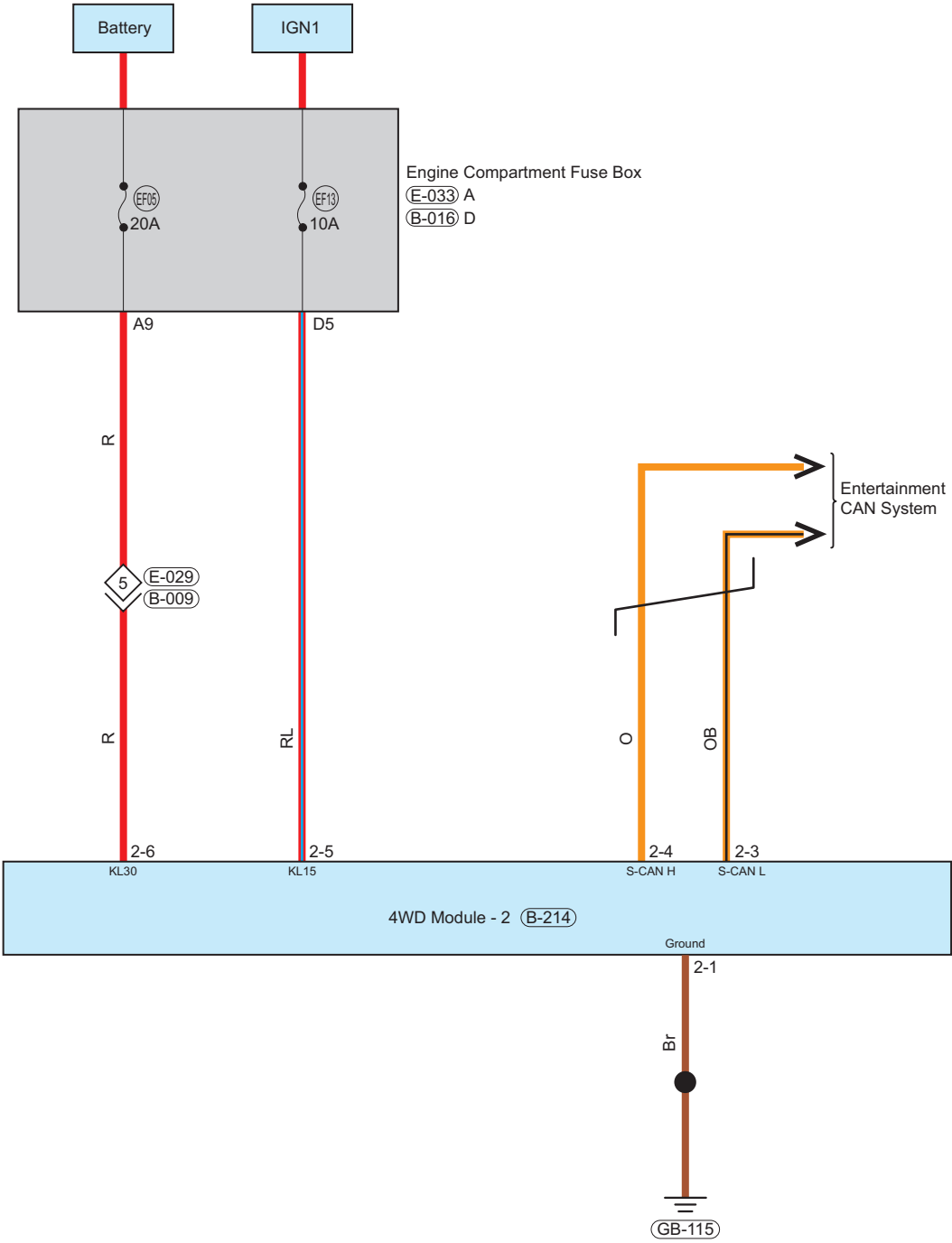
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4WD

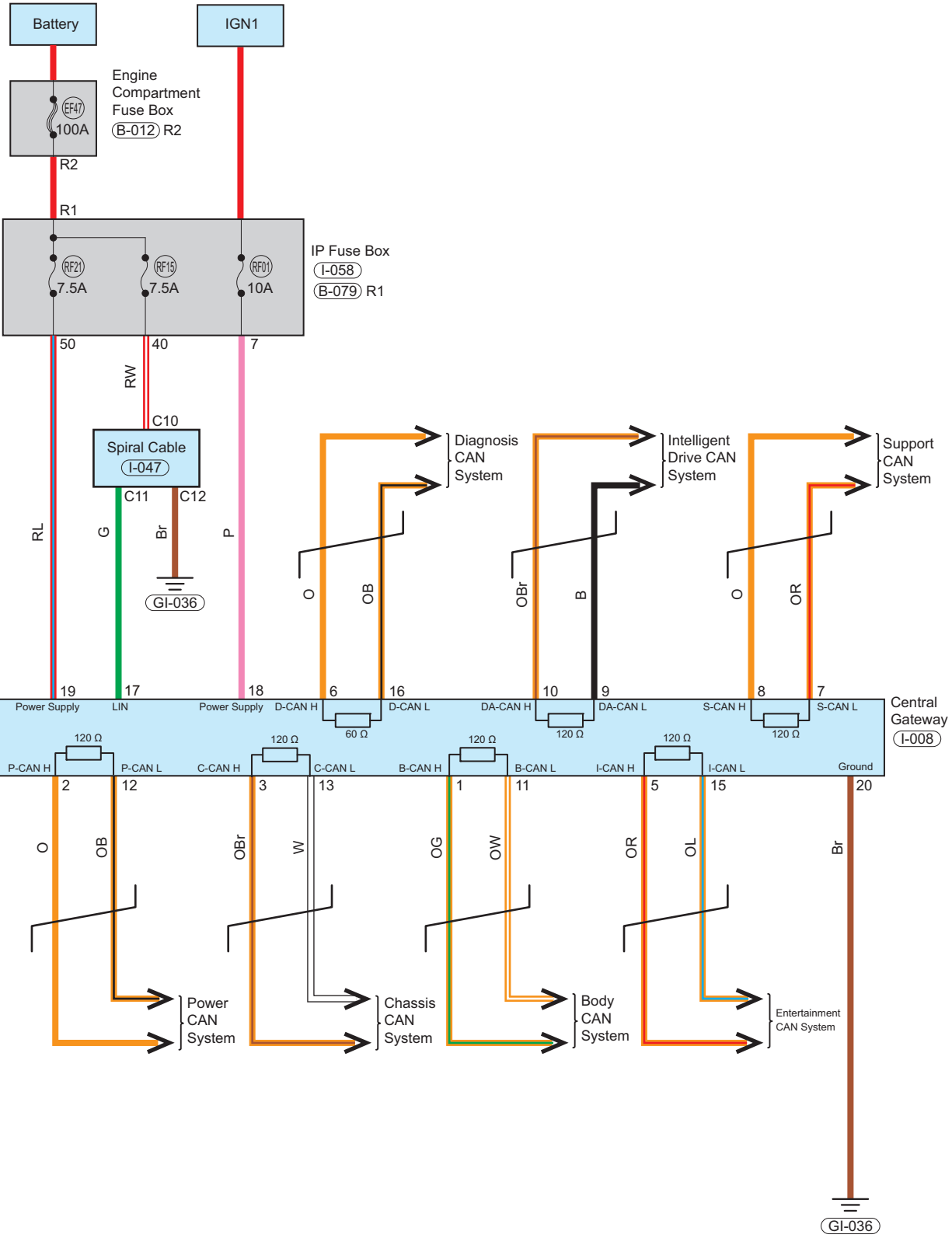


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**4WD**

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
E-033	Engine Compartment Fuse Box A	10-2
B-016	Engine Compartment Fuse Box D	10-25
E-029	Interior Wire Harness Interface 4	10-2
B-009	Engine Wire Harness Interface 4 (1.6T)	10-53
B-213	4WD Motor	10-64
B-214	4WD Module - 2	10-64
B-211	4WD Module - 1	10-61
GB-115	G608	10-32

# Central Gateway (CGW)

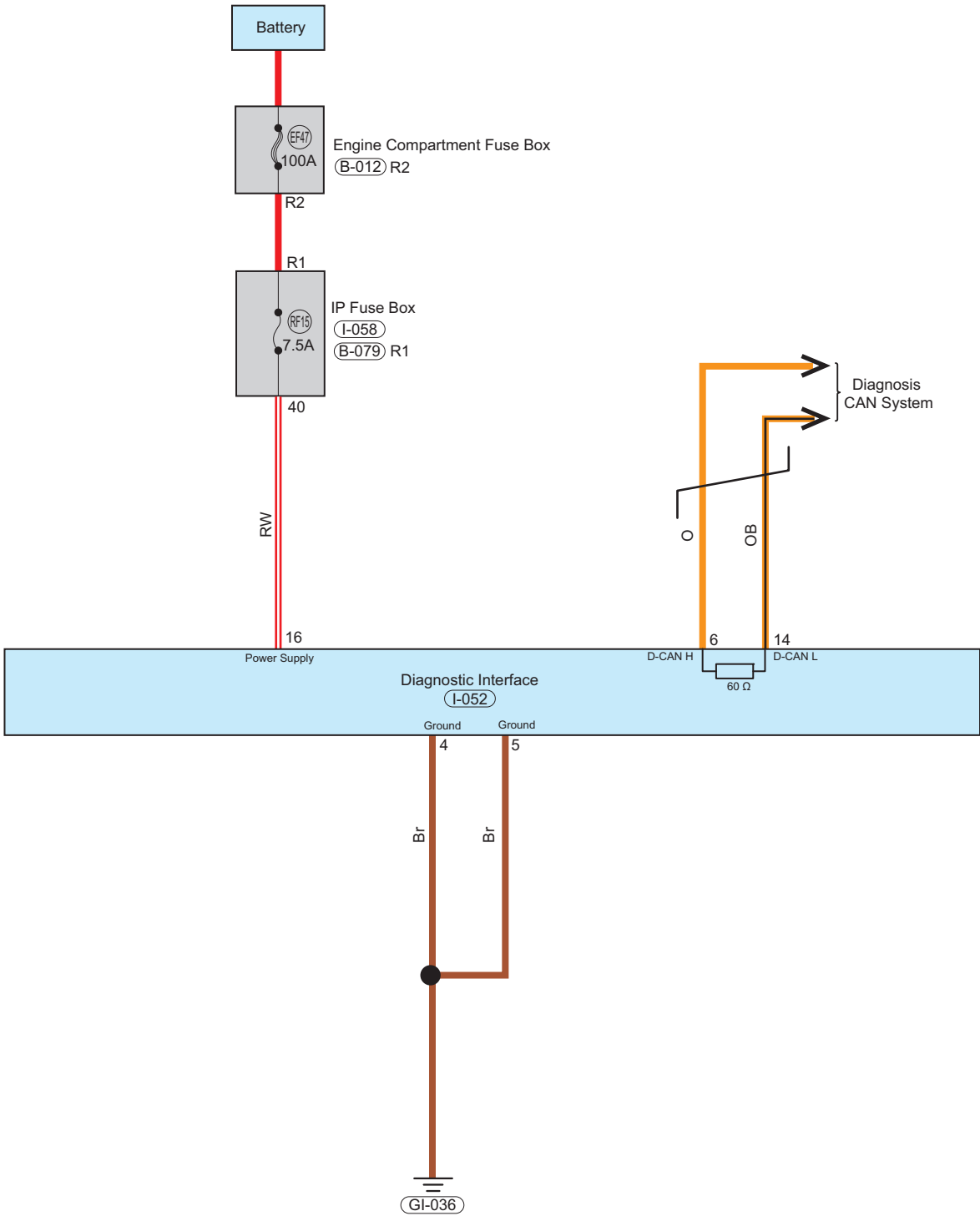


CGE001001

## Central Gateway (CGW)

Wire Harness Connector	Name	Page Number
I-008	Central Gateway	10-75
I-047	Spiral Cable	10-73
B-012	Engine Compartment Fuse Box R2	10-25
B-079	Instrument Panel Fuse and Relay Box R	10-27
I-058	Instrument Panel Fuse Box	10-73
GI-036	G502	10-76

# Diagnostic Interface

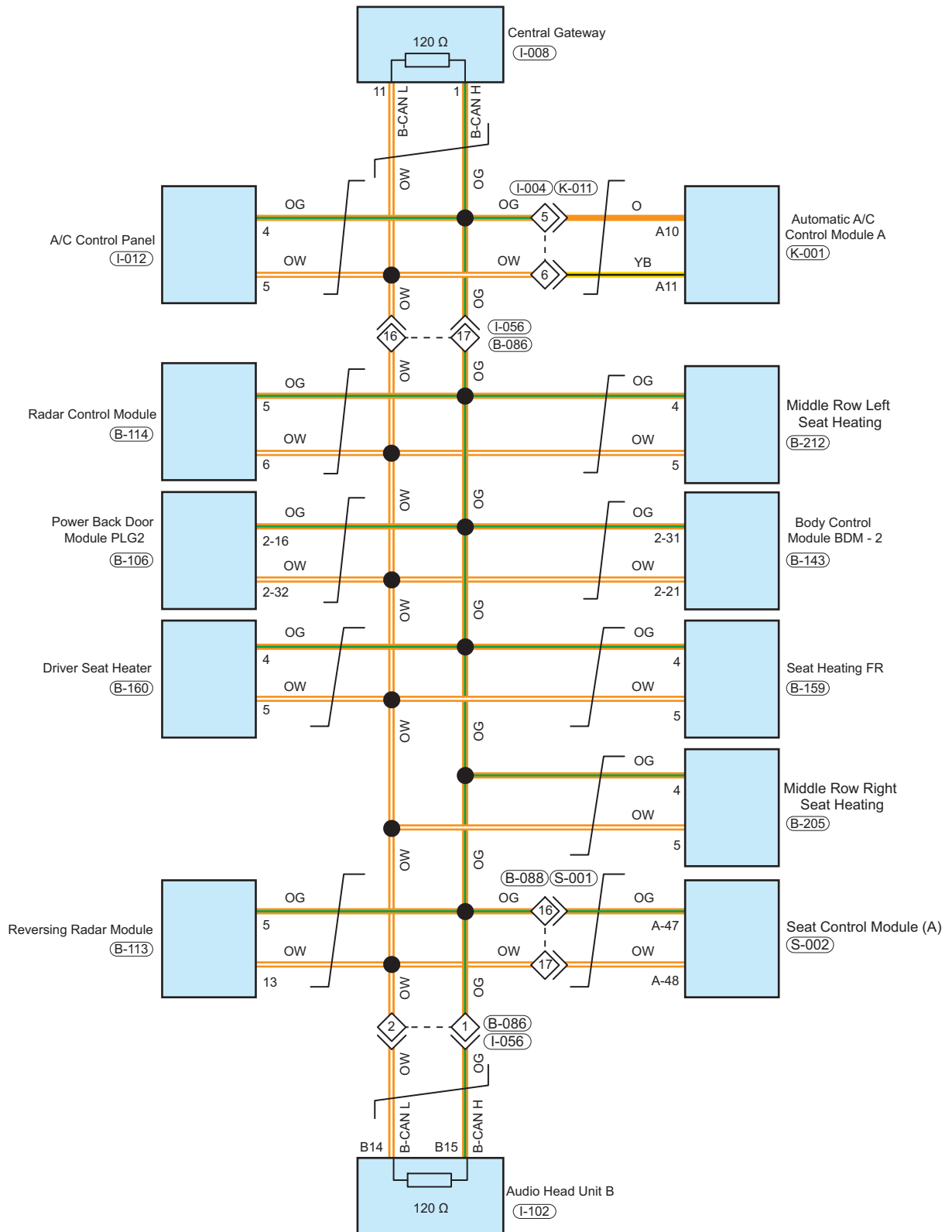


## Diagnostic Interface

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
I-052	Diagnostic Interface	10-73
B-012	Engine Compartment Fuse Box R2	10-25
B-079	Instrument Panel Fuse and Relay Box R	10-27
I-058	Instrument Panel Fuse Box	10-73
GI-036	G502	10-76

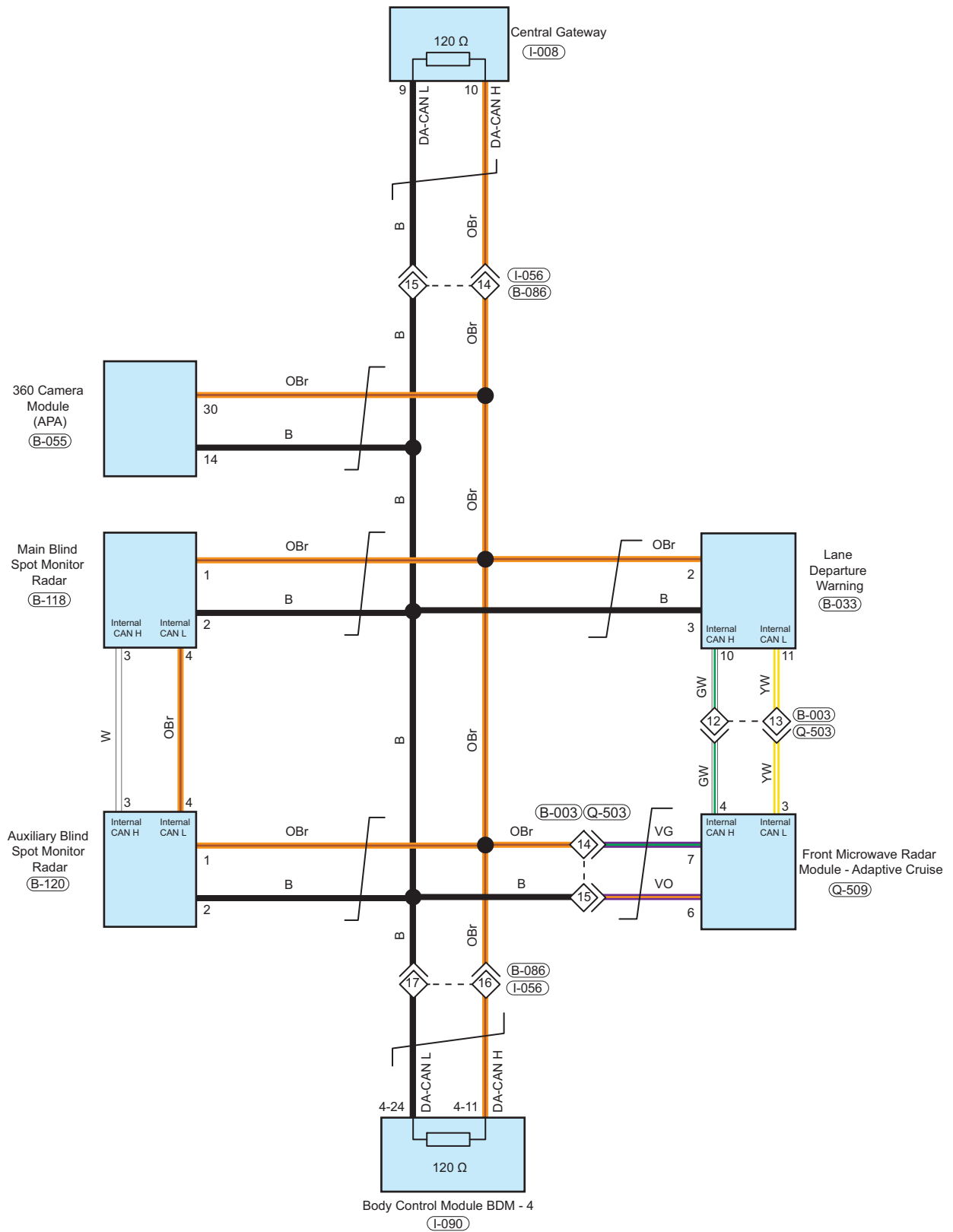


# CAN System



CAE001001

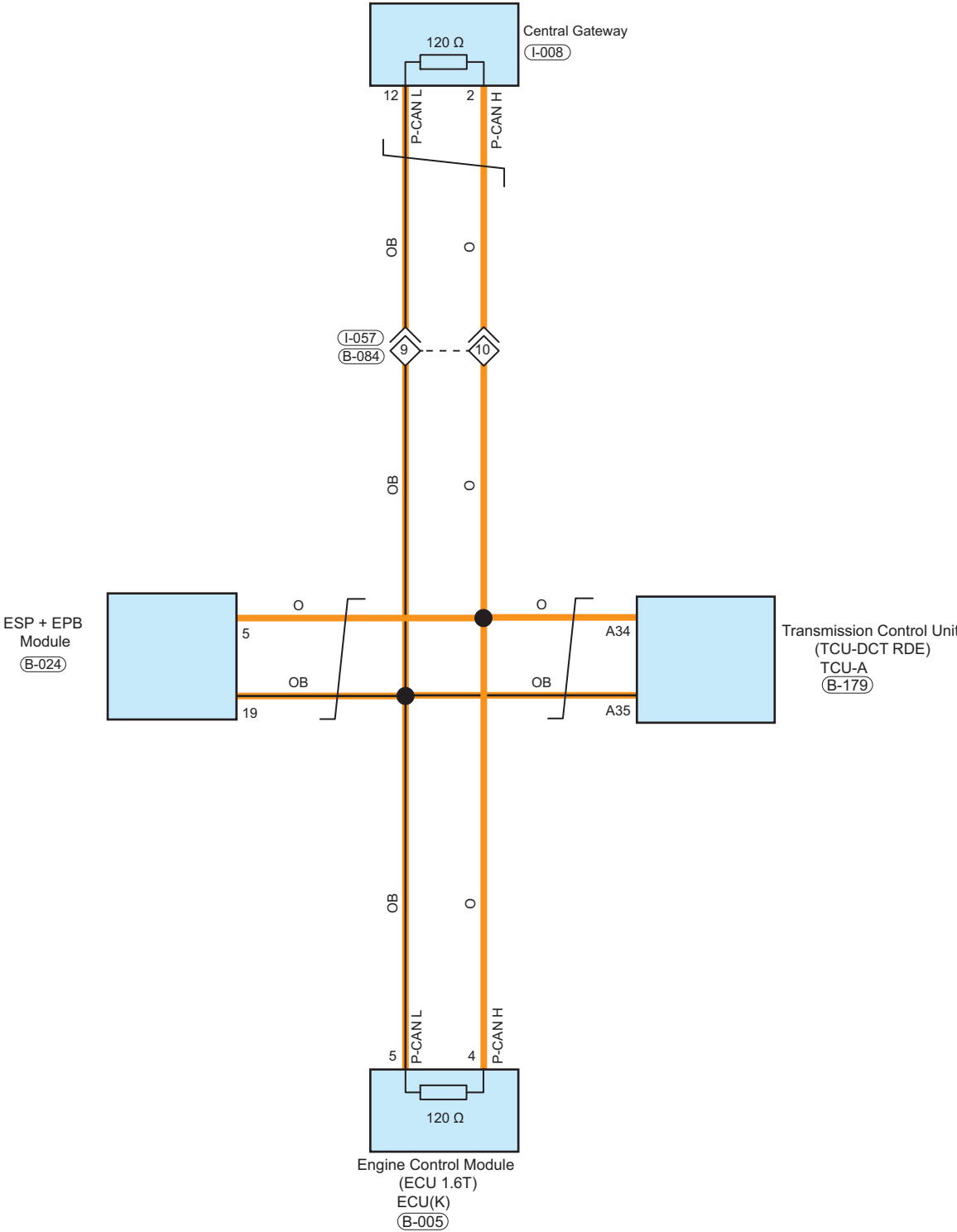
# CAN System



11

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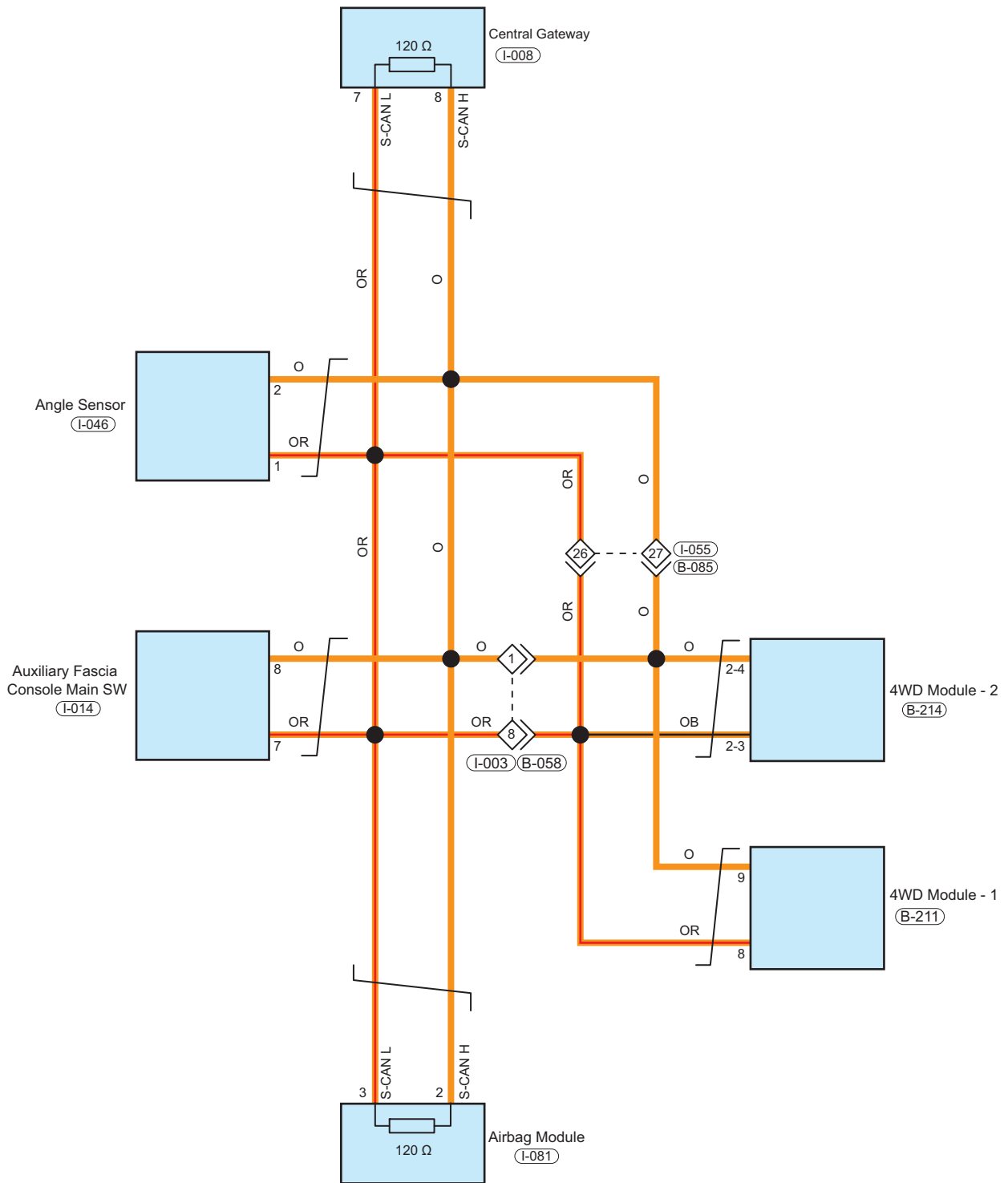
# CAN System



11

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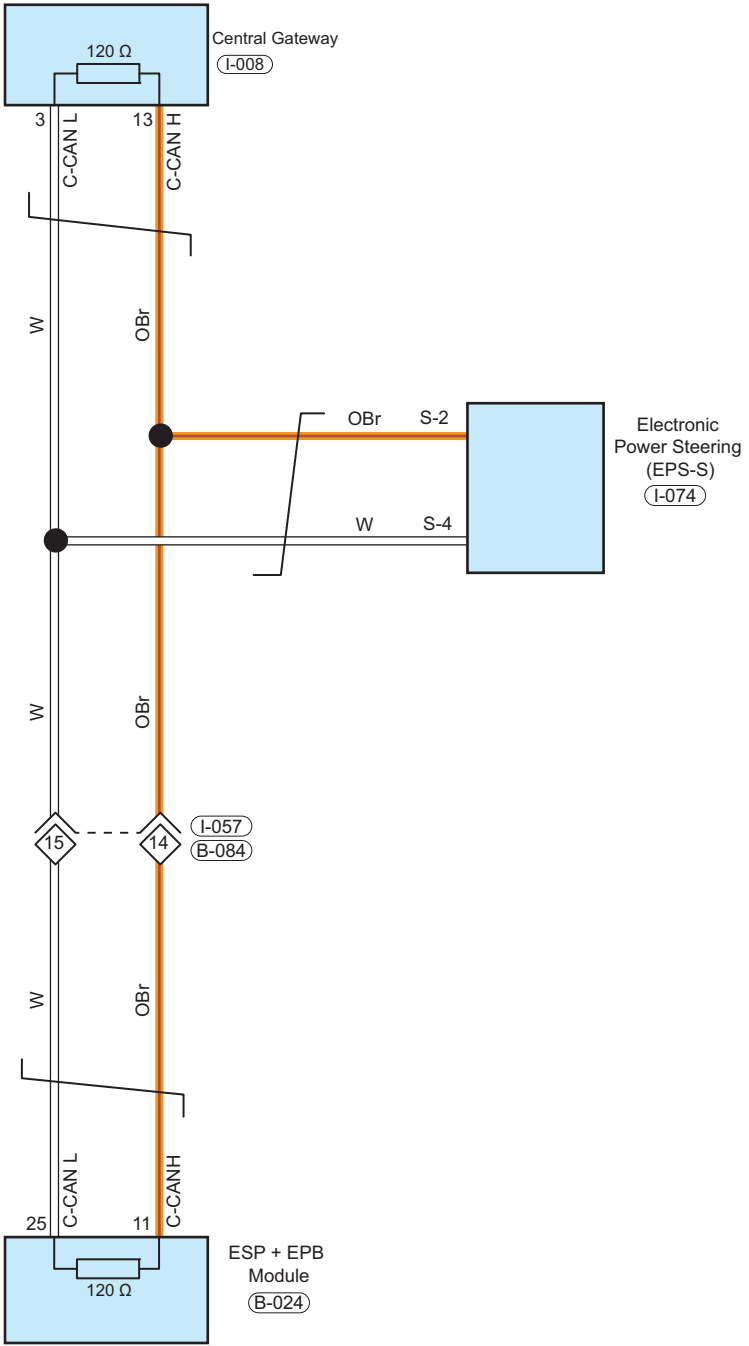
# CAN System



11

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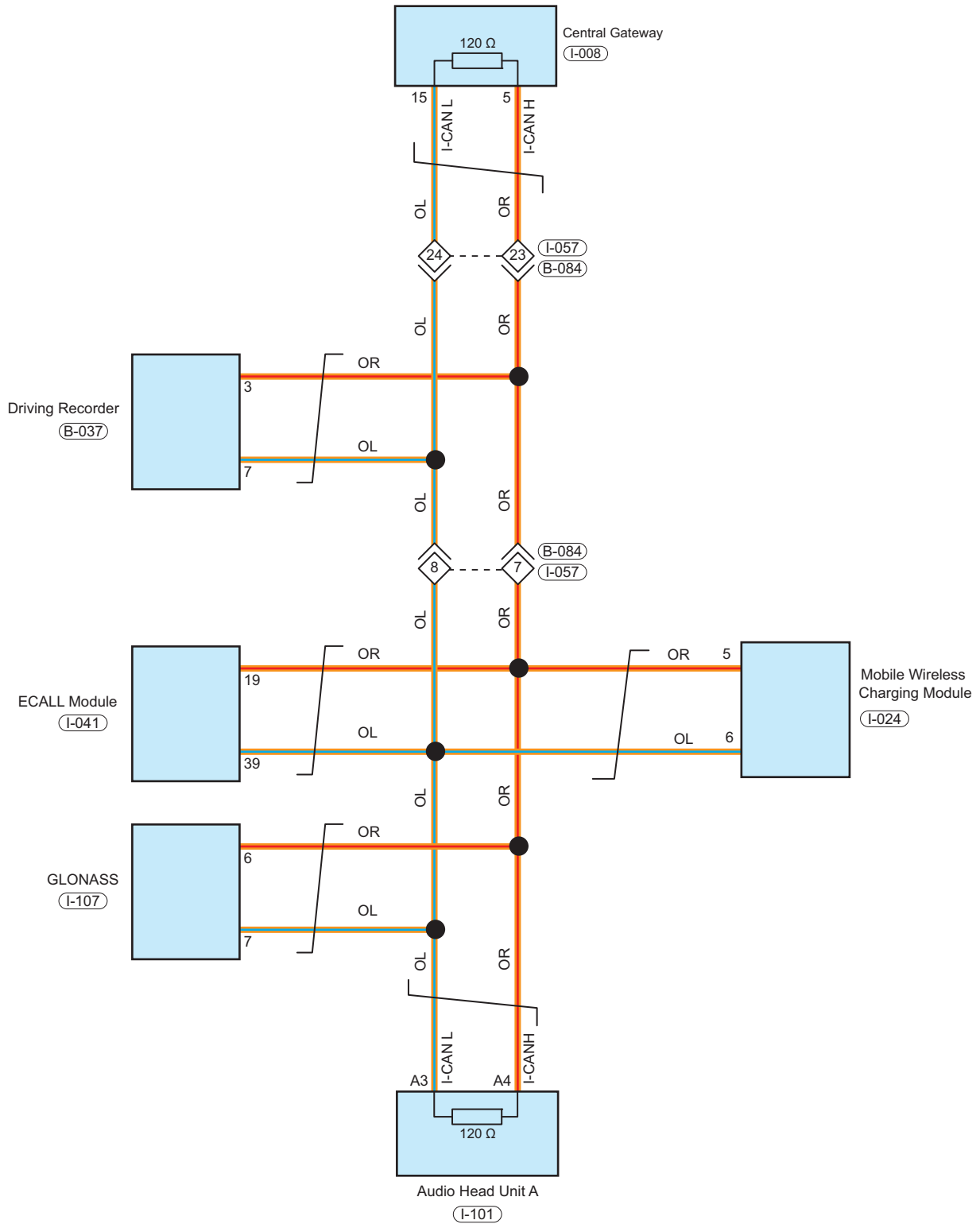
# CAN System



11

CAE005001

# CAN System



11

CAE007001

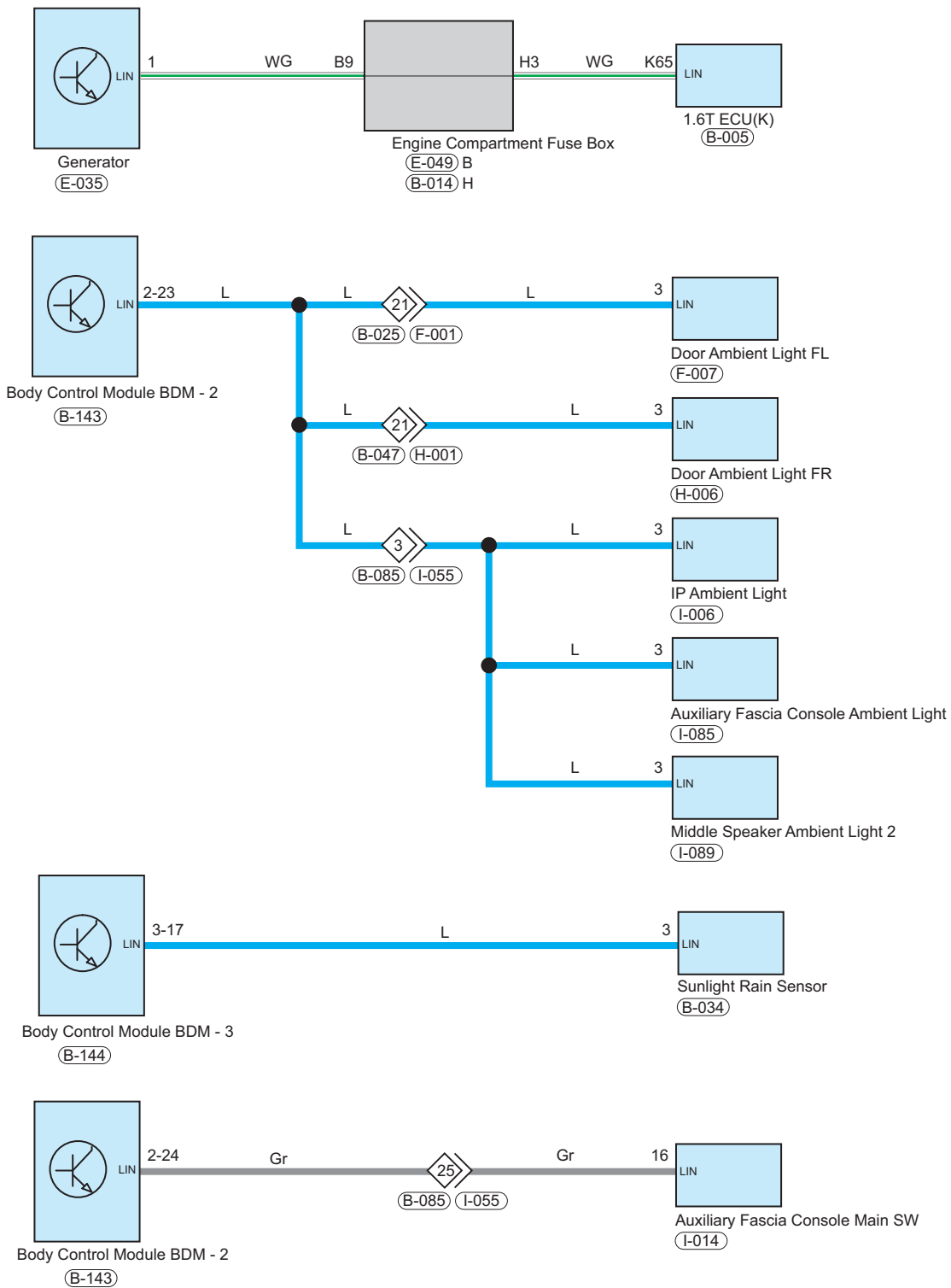
## CAN System

Wire Harness Connector	Name	Page Number
I-008	Central Gateway	10-75
I-102	Audio Head Unit B	10-80
B-106	Power Back Door Module B	10-30
B-160	Driver Seat Heater	10-46
B-113	Reversing Radar Module	10-32
B-114	Radar Control Module	10-48
K-001	Automatic A/C Control Module A	10-112
I-012	A/C Control Panel	10-74
B-143	Body Control Module (BDM) - 2	10-39
B-159	Front Right Seat Heating	10-47
S-002	Seat Control Module	11-96
B-033	Lane Departure Warning	10-38
I-090	Body Control Module (BDM) - 4	10-81
B-118	Main Blind Spot Monitor Radar	10-32
B-120	Auxiliary Blind Spot Monitor Radar	10-33
Q-509	Front Microwave Radar Module - Adaptive Cruise	10-22
B-024	ESP+EPB Module	10-25
B-179	Transmission TCU-A RDE (1.6T)	10-25
B-005	ECU (K) (1.6T)	10-53
I-014	Auxiliary Fascia Console Main Switch	10-76
I-046	Angle Sensor	10-73
I-081	Airbag Module	10-80
I-074	Electronic Power Steering (EPS-S)	10-82
I-024	Mobile Phone Wireless Charging Module	10-76
I-041	ECALL Module	10-76
B-037	Driving Recorder (DVR)	10-38
I-101	Audio Head Unit A	10-80

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
I-004	Instrument Panel Wire Harness to A/C Wire Harness	10-75
K-011	A/C Wire Harness to Instrument Panel Wire Harness	10-112
I-056	Instrument Panel to Interior Wire Harness Interface 2	10-73
B-086	Interior Wire Harness to Instrument Panel Wire Harness 2	10-27
B-088	Interior Wire Harness to Front Left Seat Wire Harness	10-28
S-001	Front Left Seat Wire Harness to Interior Wire Harness	11-96
B-003	Front Radar Wire Harness to Interior Wire Harness	10-26
Q-503	Front Radar Wire Harness to Interior Wire Harness	10-21
I-057	Instrument Panel to Interior Wire Harness Interface 5	10-73
B-084	Interior Wire Harness to Instrument Panel Wire Harness 5	10-27

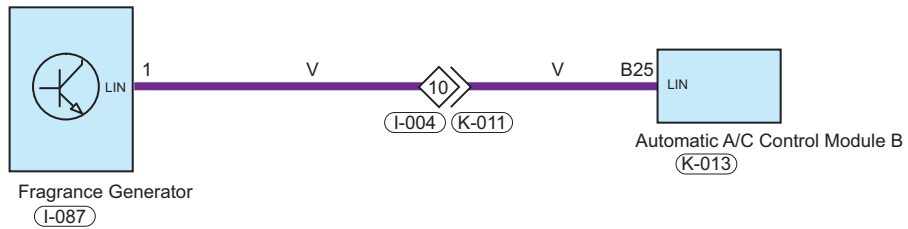
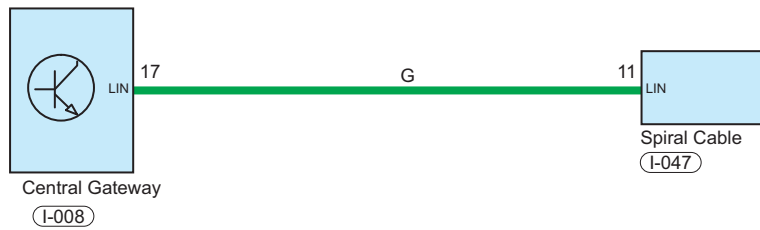
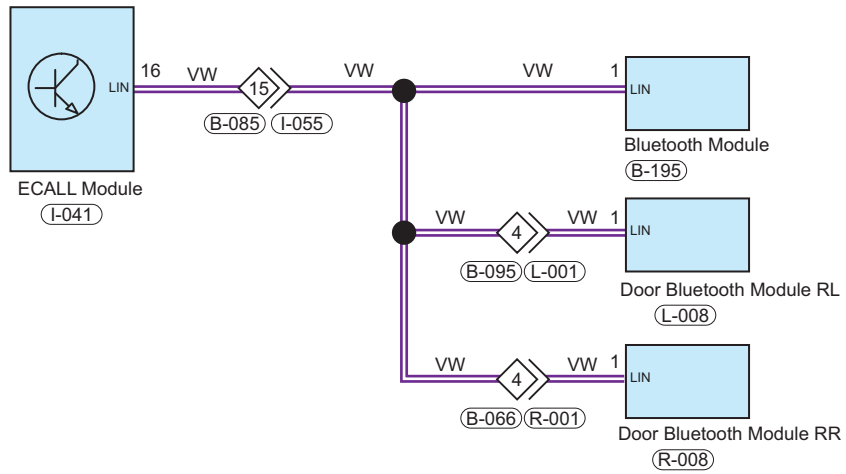
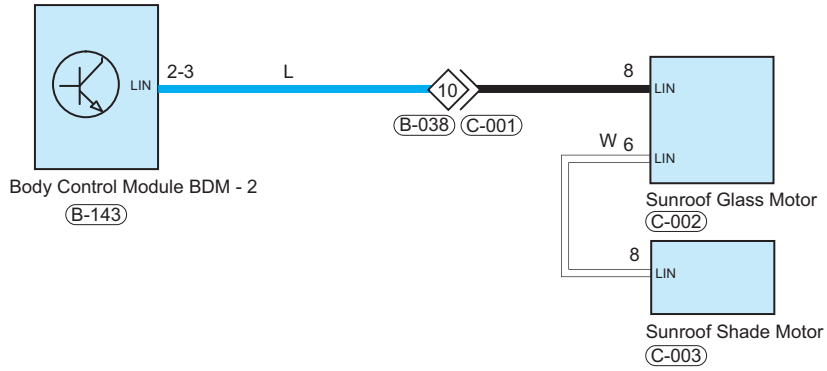


# LIN Line



LIN001001

# LIN Line



## LIN Line

Wire Harness Connector	Name	Page Number
E-035	Intelligent Generator (1.6T)	10-14
E-049	Engine Compartment Fuse Box B (1.6T)	10-14
B-005	ECU (K) (1.6T)	10-53
B-014	Engine Compartment Fuse Box H	10-25
B-025	Interior Wire Harness to Front Left Door Wire Harness B	10-27
B-034	Sunlight Rain Sensor	10-38
B-038	Sunroof	10-38
B-047	Interior Wire Harness to Front Right Door Wire Harness B	10-37
B-066	Interior Wire Harness to Rear Right Door Wire Harness	10-36
B-085	Interior Wire Harness to Instrument Panel Wire Harness 1	10-27
B-095	Interior Wire Harness to Rear Left Door Wire Harness	10-28
B-143	Body Control Module (BDM) - 2	10-39
B-144	Body Control Module (BDM) - 3	10-39
B-195	Bluetooth Module	10-52
I-004	Instrument Panel Wire Harness to A/C Wire Harness	10-75
I-006	Instrument Panel Ambient Light	10-75
I-008	Central Gateway	10-75
I-014	Auxiliary Fascia Console Main Switch	10-76
I-041	ECALL Module	10-76
I-047	Spiral Cable	10-73
I-055	Instrument Panel to Interior Wire Harness Interface 1	10-73
I-085	Auxiliary Fascia Console Ambient Light	10-80
I-087	Fragrance Sensor	10-79
I-089	Middle Speaker Ambient Light 2	10-79

<b>Wire Harness Connector</b>	<b>Name</b>	<b>Page Number</b>
F-001	Front Left Door Wire Harness to Interior Wire Harness B	10-91
F-007	Front Left Door Ambient Light	10-91
H-001	Front Right Door Wire Harness to Interior Wire Harness B	10-94
H-006	Front Right Door Ambient Light	10-94
L-001	Rear Left Door Wire Harness to Interior Wire Harness	10-97
L-008	Rear Left Door Bluetooth Module	10-97
R-001	Rear Right Door Wire Harness to Interior Wire Harness	10-101
R-008	Rear Right Door Bluetooth Module	10-101
K-011	A/C Wire Harness to Instrument Panel Wire Harness	10-112
K-013	Automatic A/C Control Module B	10-113

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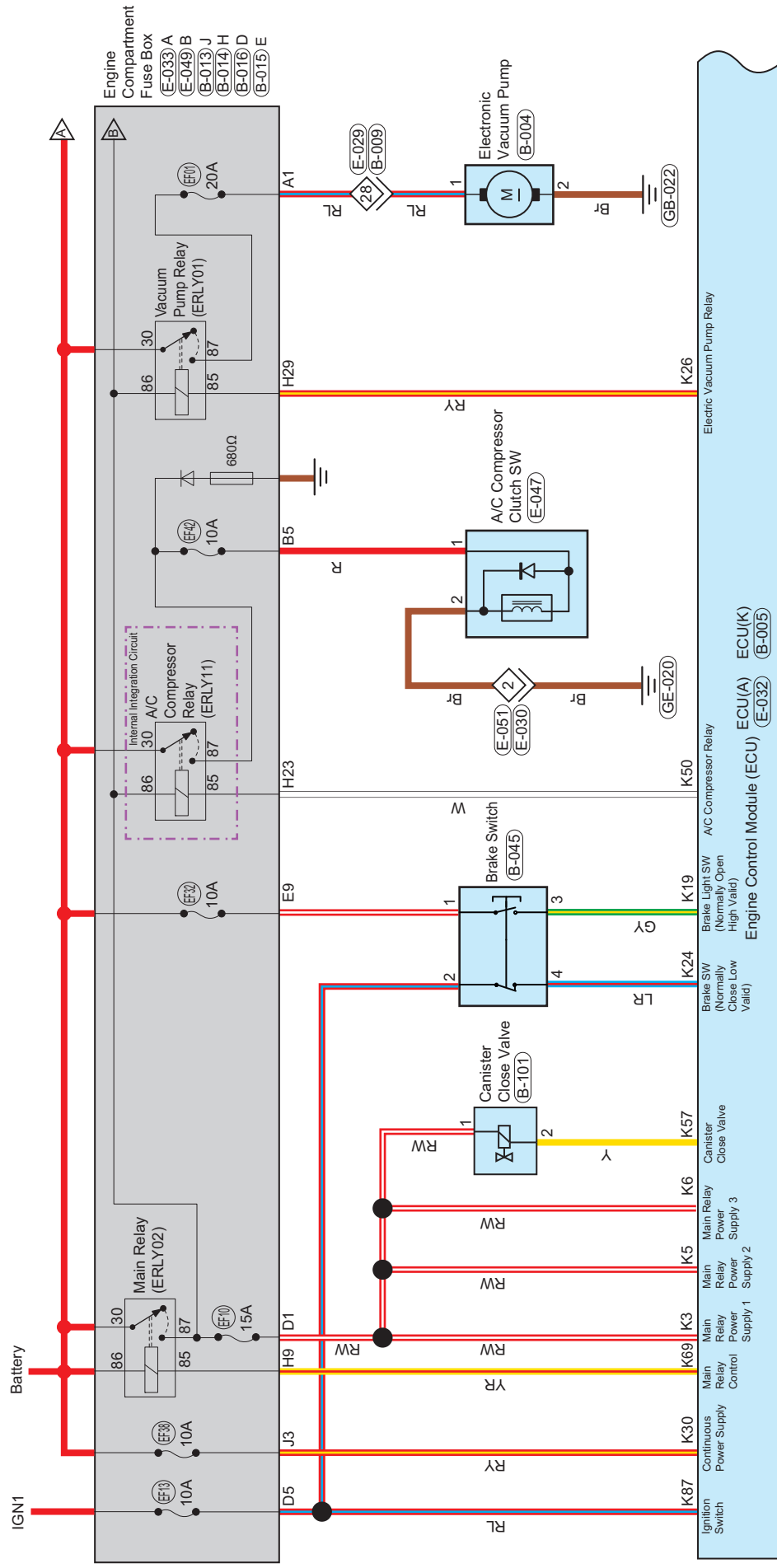
# Overall Circuit Diagram

## General Information

This section provides information about system circuit diagram, which is very important for troubleshooting electrical problems. When troubleshooting any problems, first understand operation of faulty circuit (refer to “system circuit” in related Repair Manual or circuit diagram).

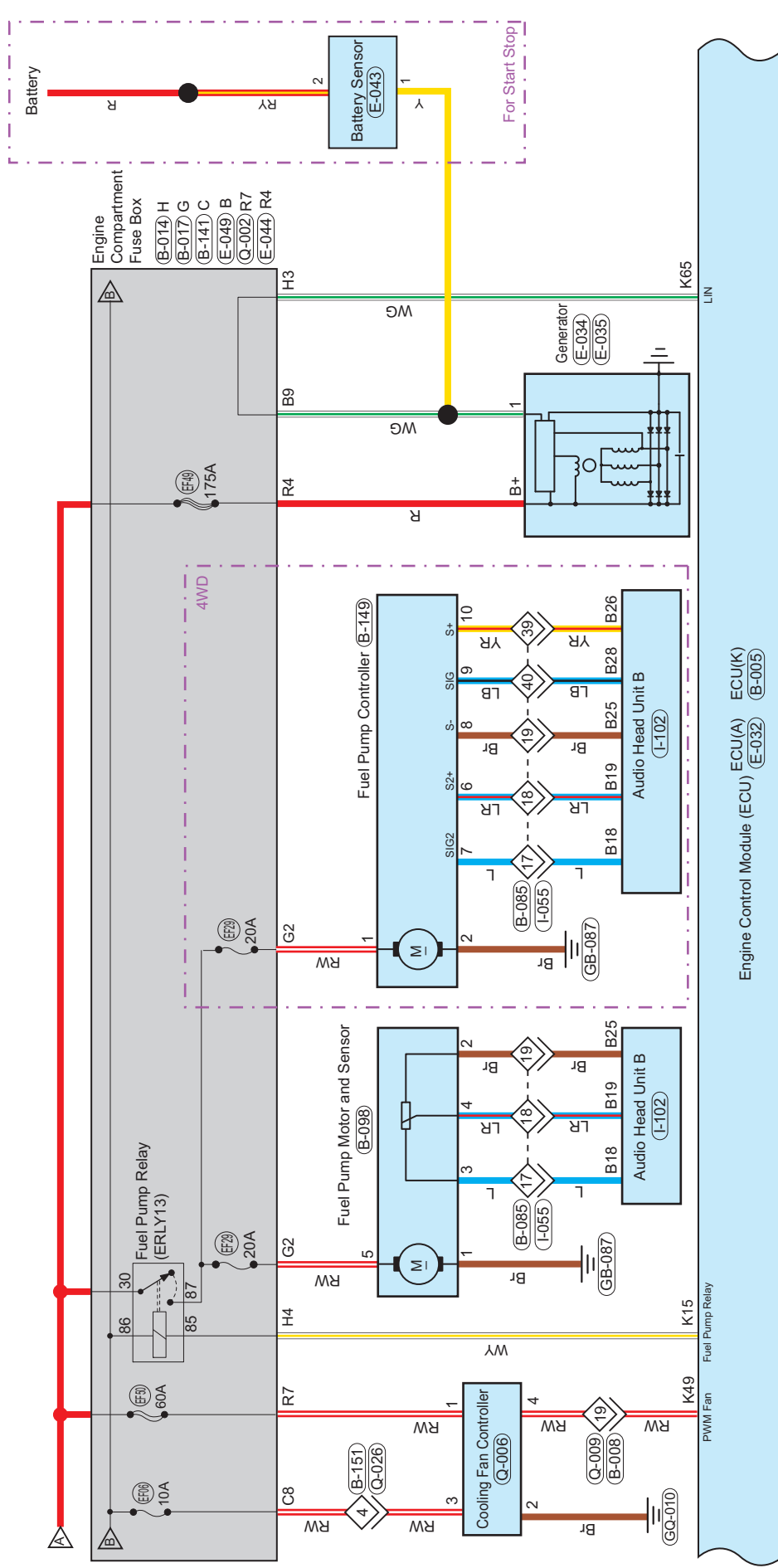
After understanding the circuit operation, troubleshoot the malfunction circuit to find out the cause, Then use “Wiring Harness Location Diagram” to find each wire harness, wire harness connector, and grounding points in related circuit. For specifications or detailed removal and installation procedures, please refer to the relevant repair manual.

# Engine Control System (EMS) (1.6T)



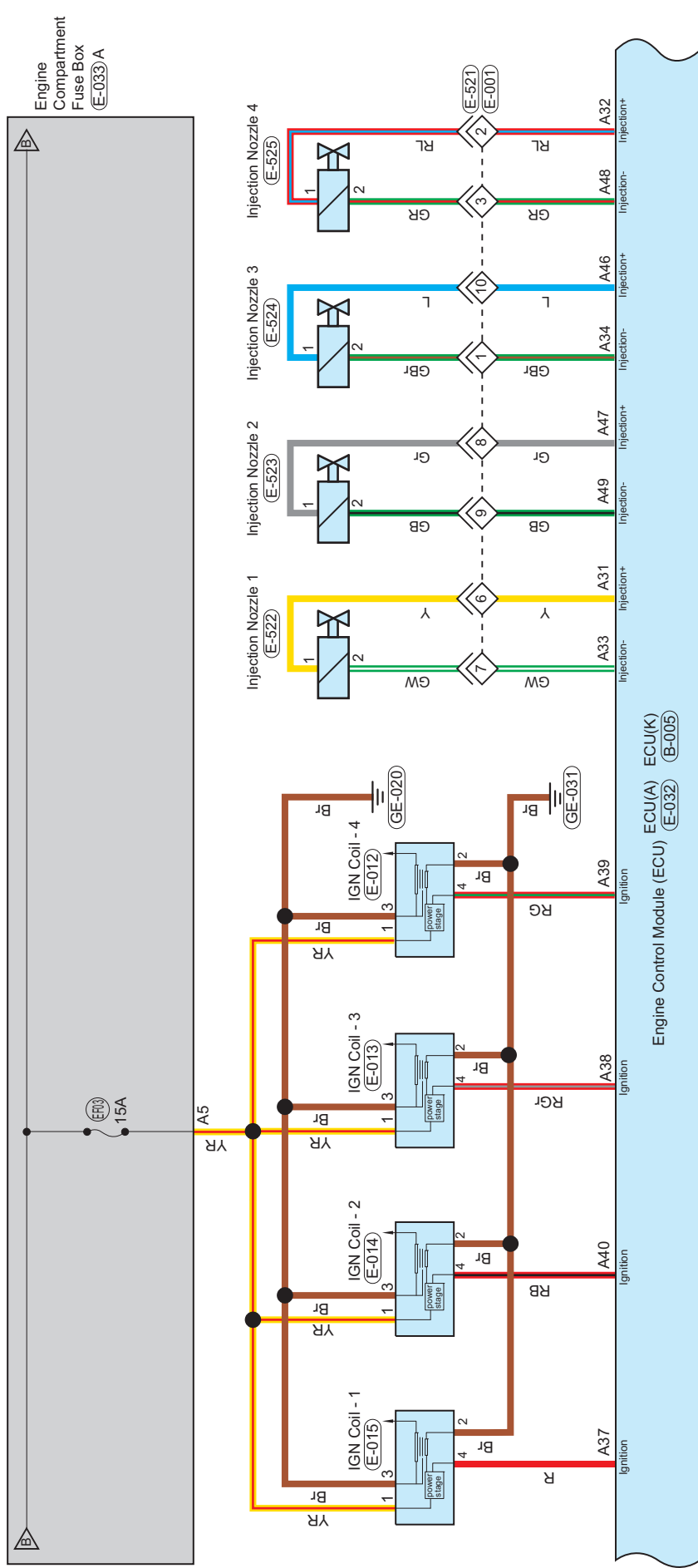
EWD018001

# Engine Control System (EMS) (1.6T)



EWD019001

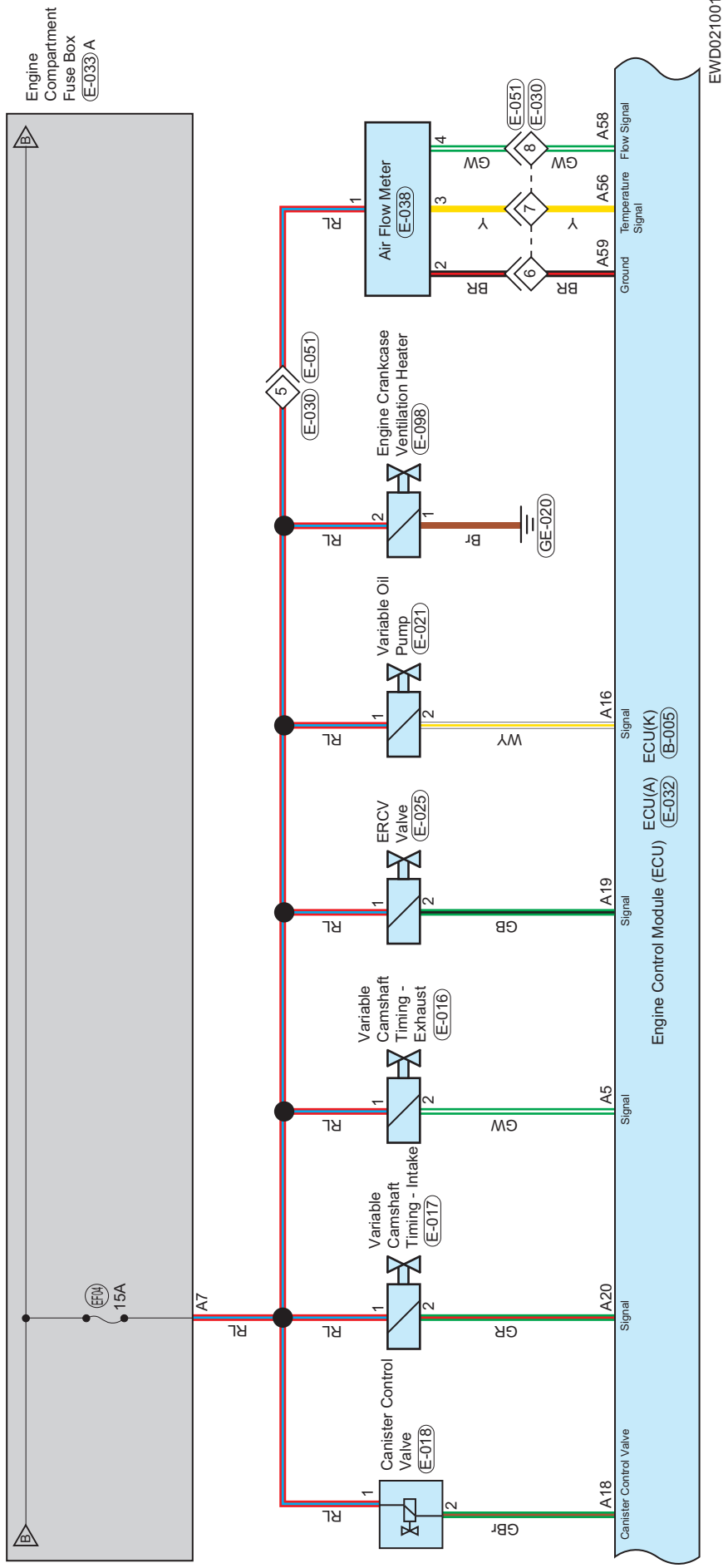
# Engine Control System (EMS) (1.6T)



EWD020001

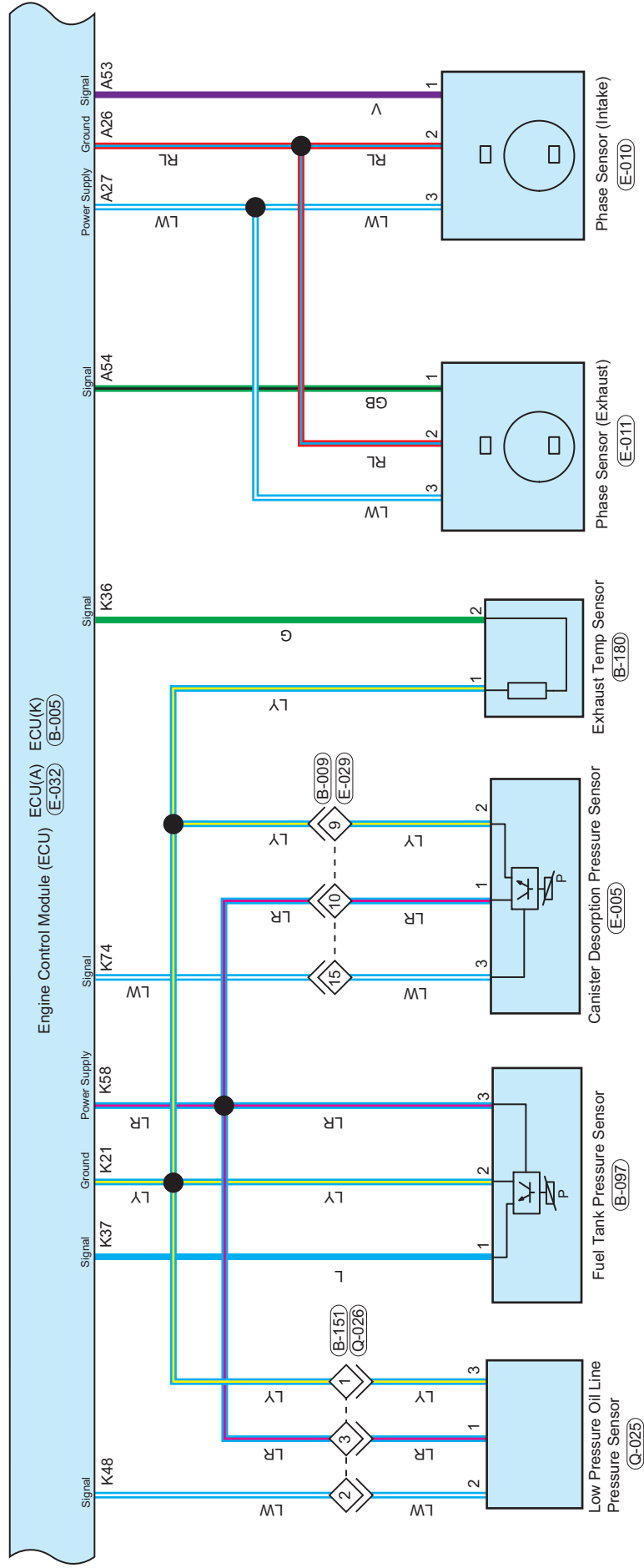


# Engine Control System (EMS) (1.6T)



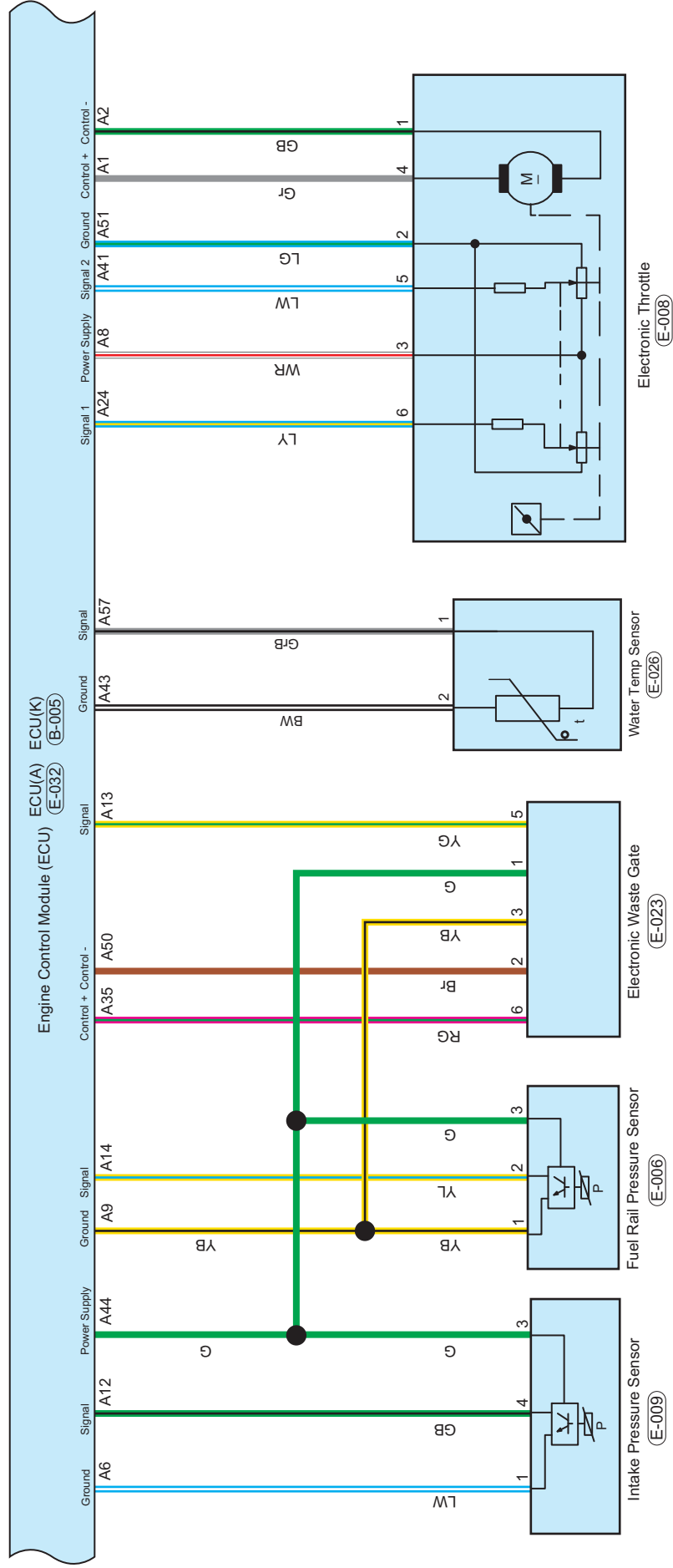


# Engine Control System (EMS) (1.6T)



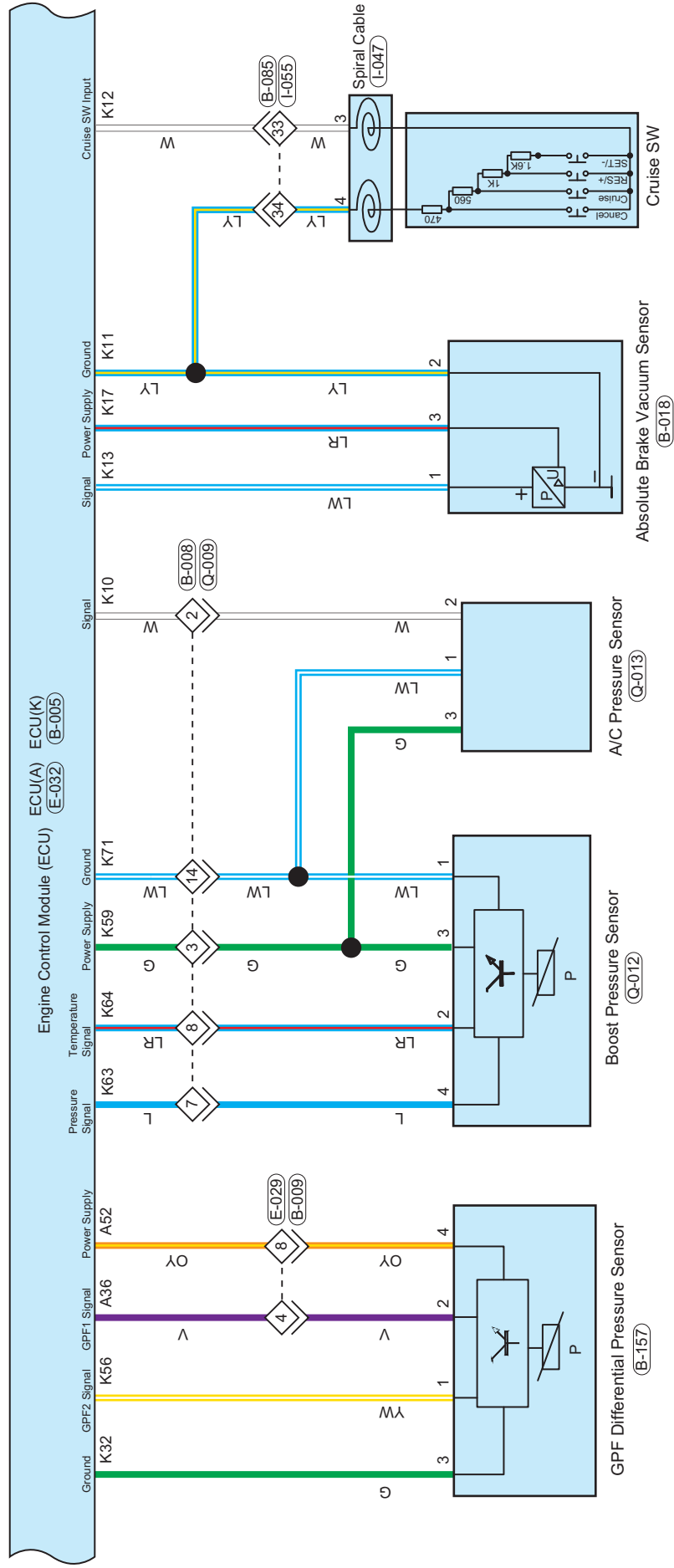
EWD023001

# Engine Control System (EMS) (1.6T)



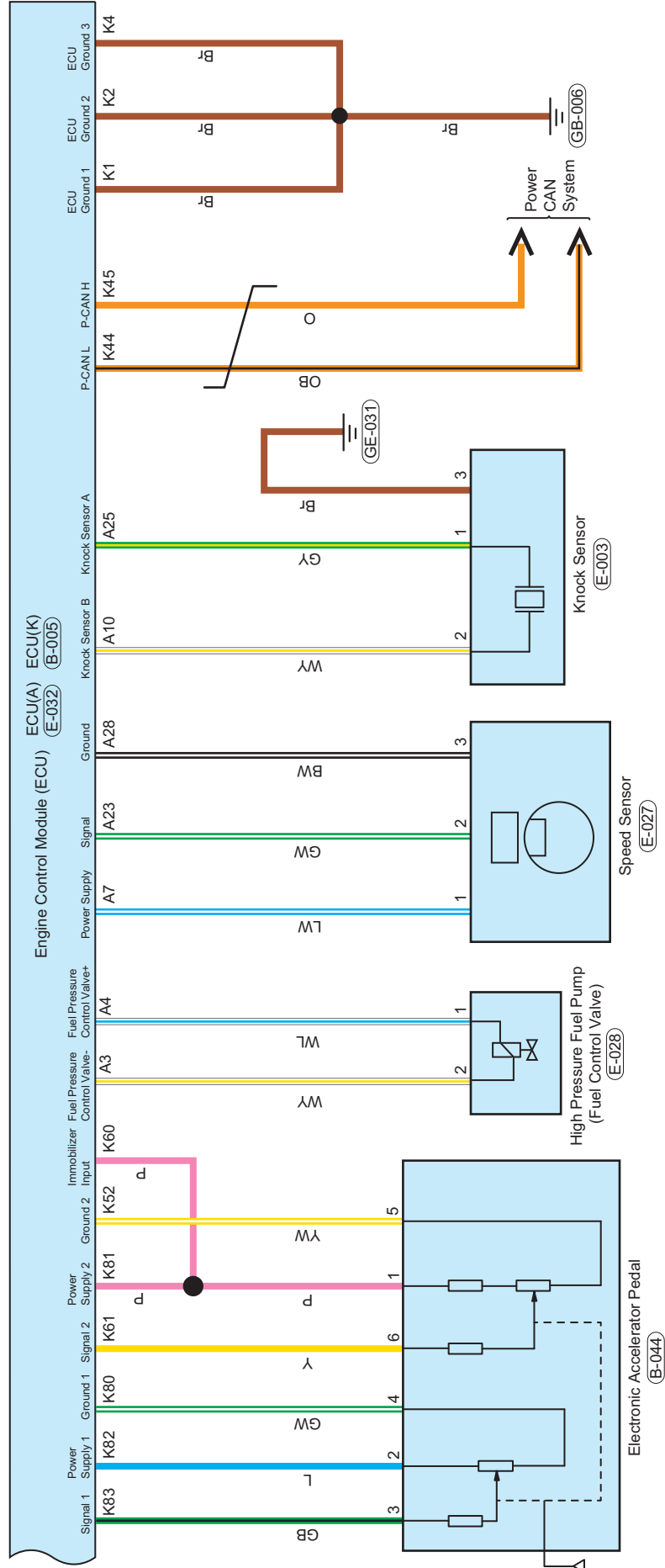
EWD024001

# Engine Control System (EMS) (1.6T)



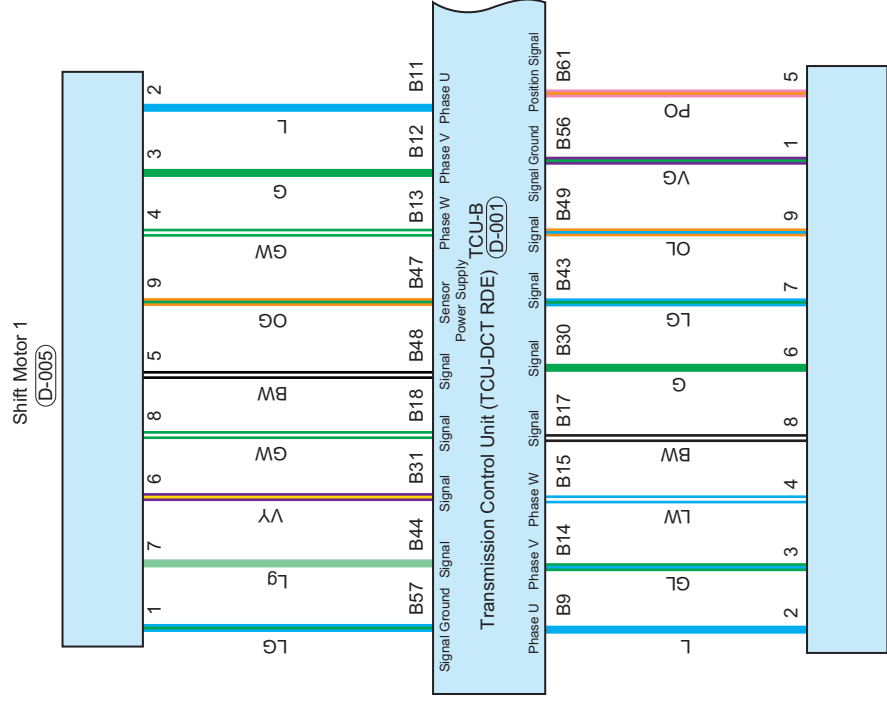
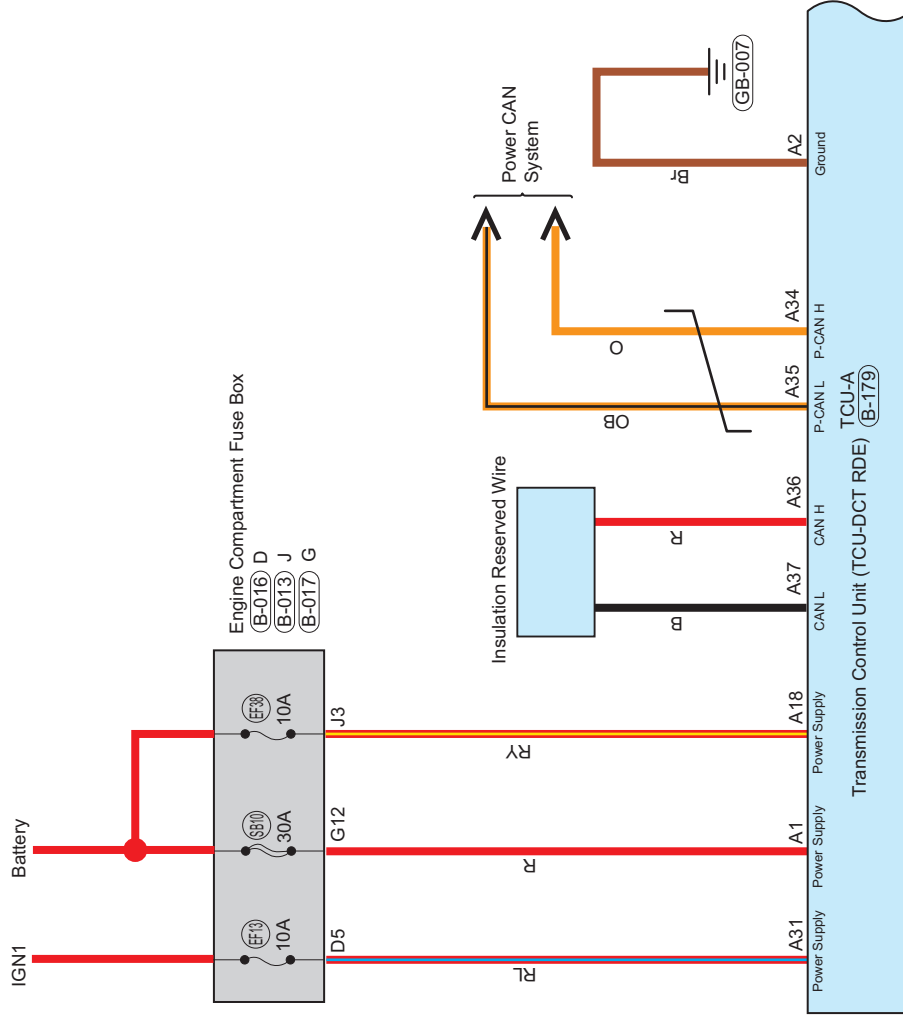
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# Engine Control System (EMS) (1.6T)



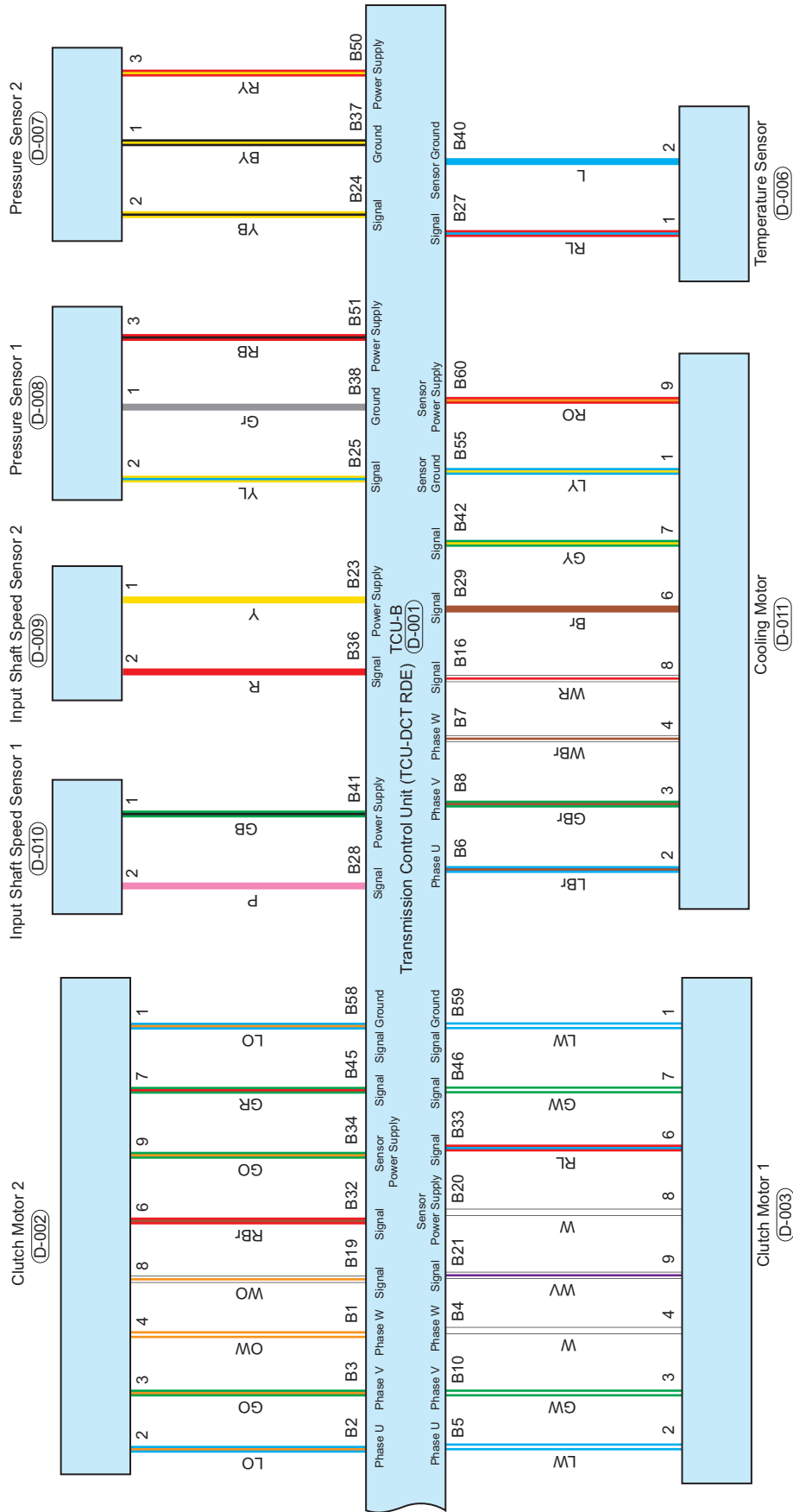
EWD026001

# Transmission Control System (DCT)



EWD029001

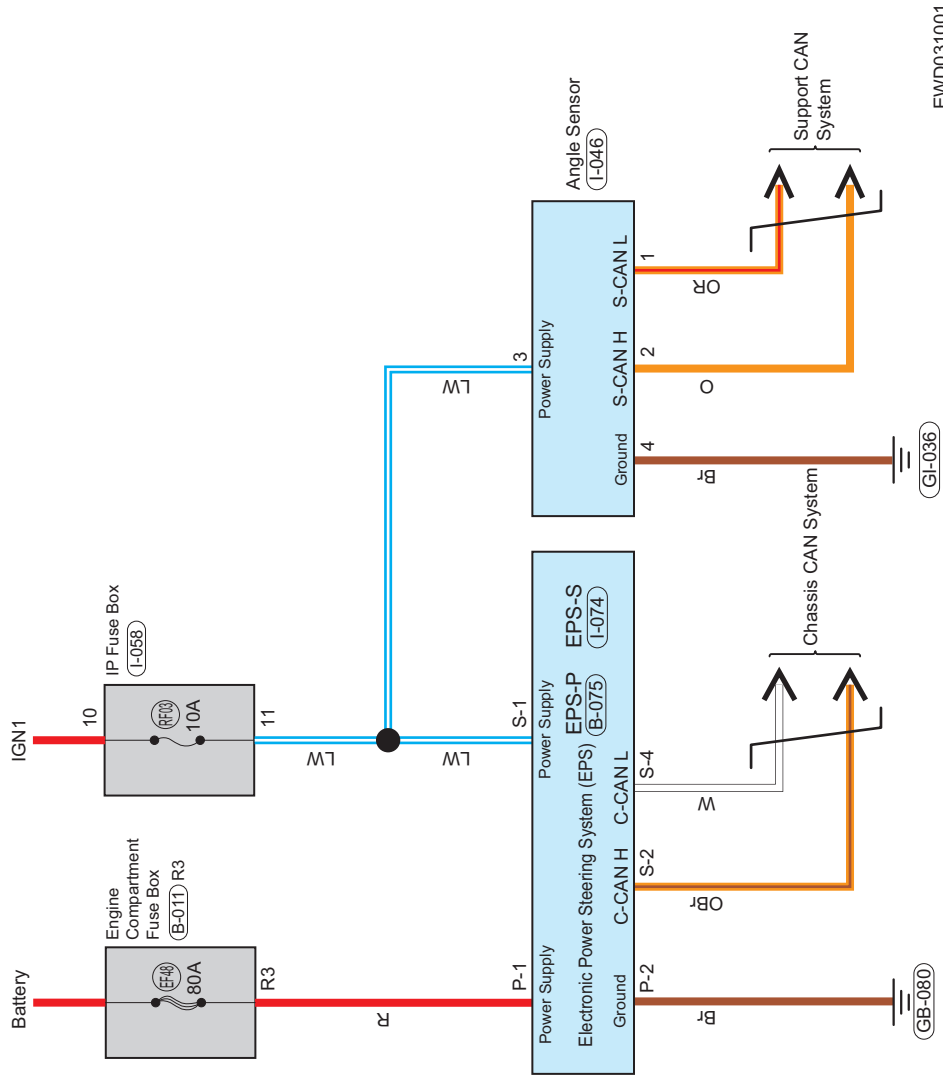
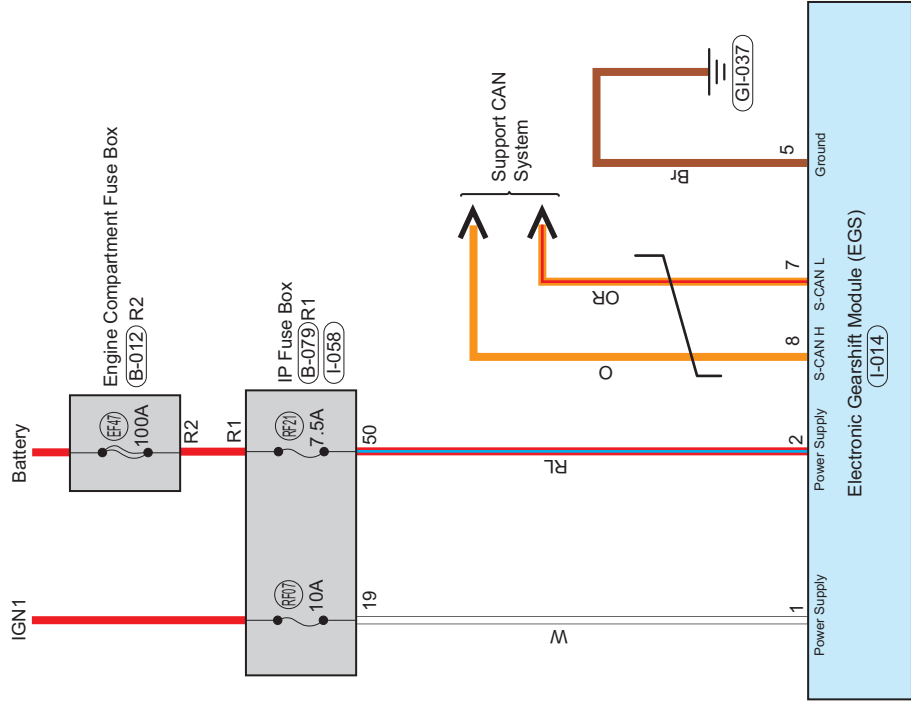
# Transmission Control System (DCT)



EWD030001

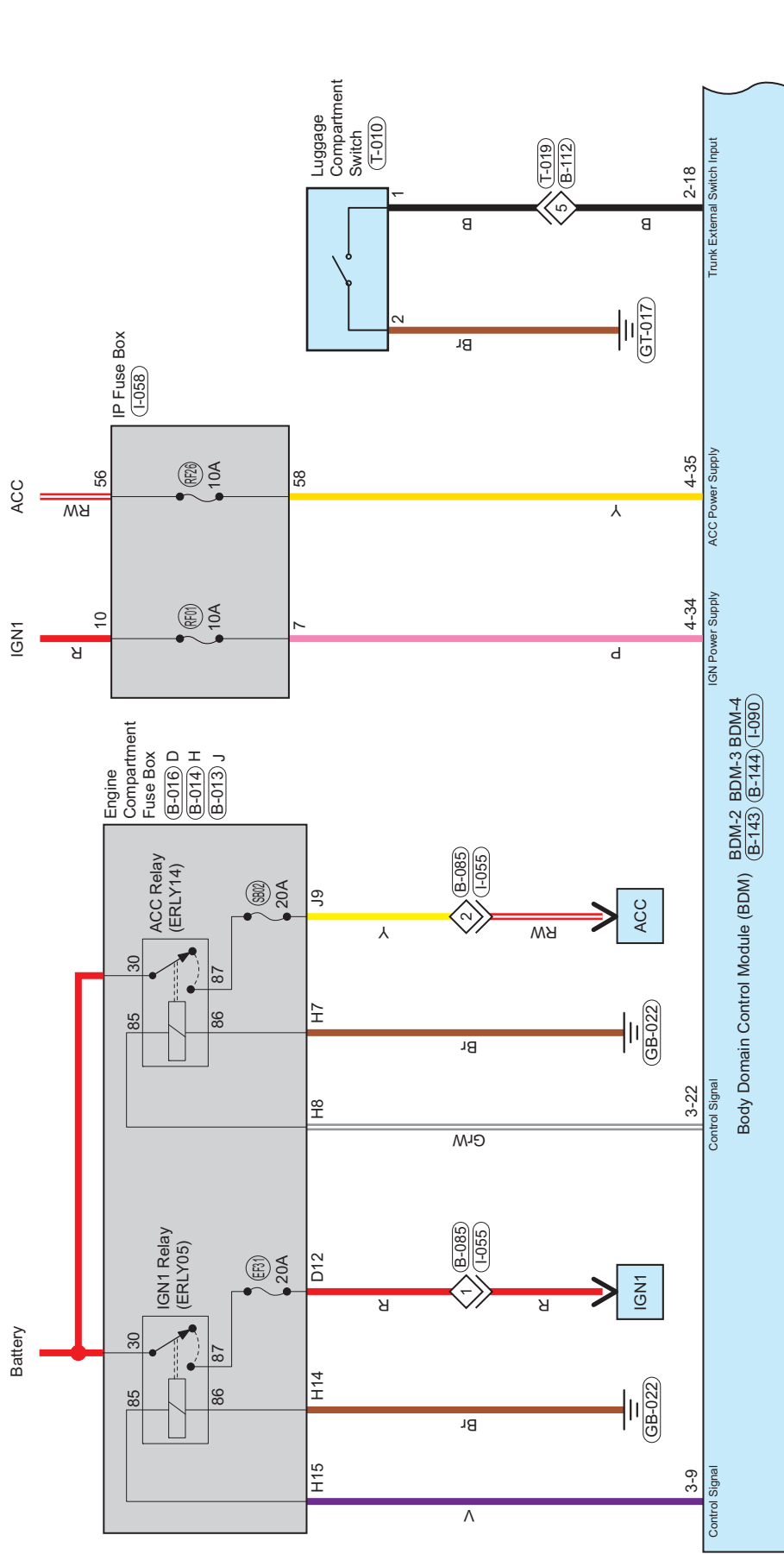


# Electronic Shift Module (EGS)/Electric Power Steering System (EPS)



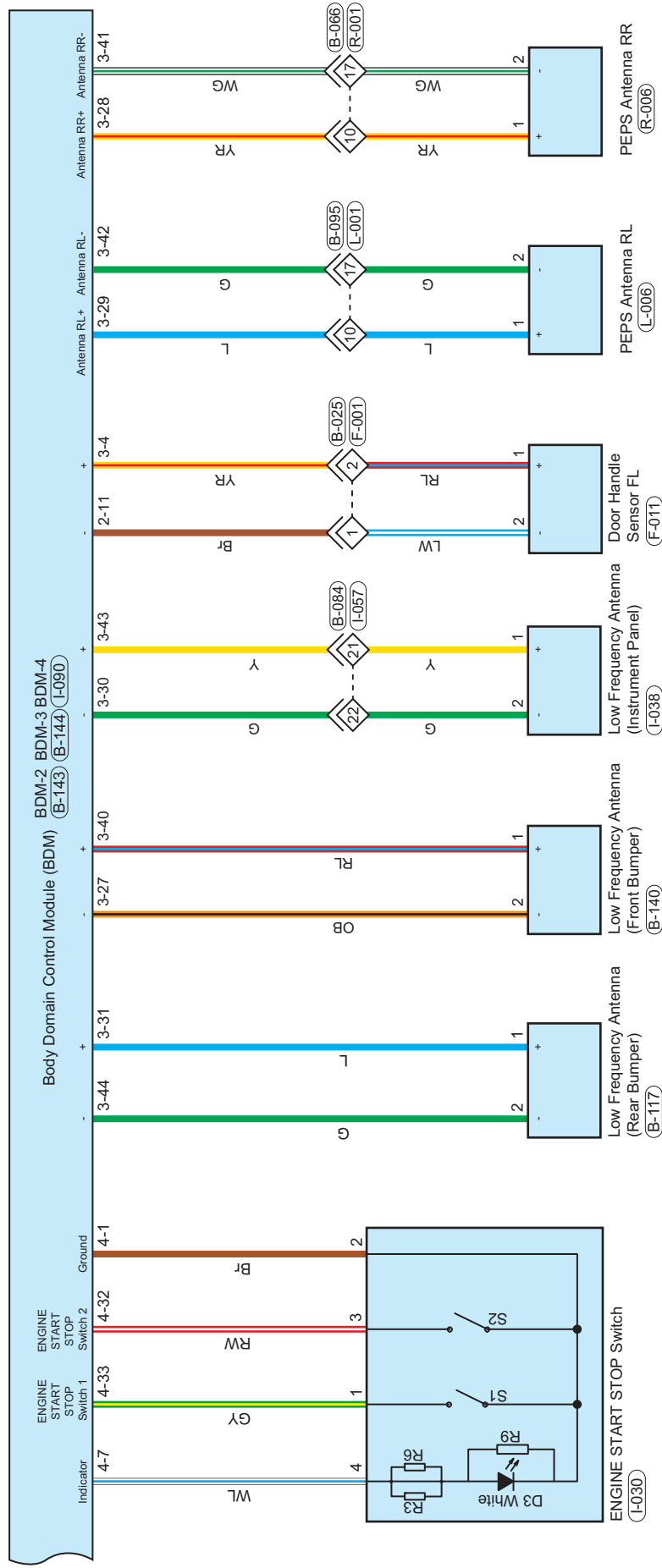
EWD031001

# Passive Entry and Passive Start System



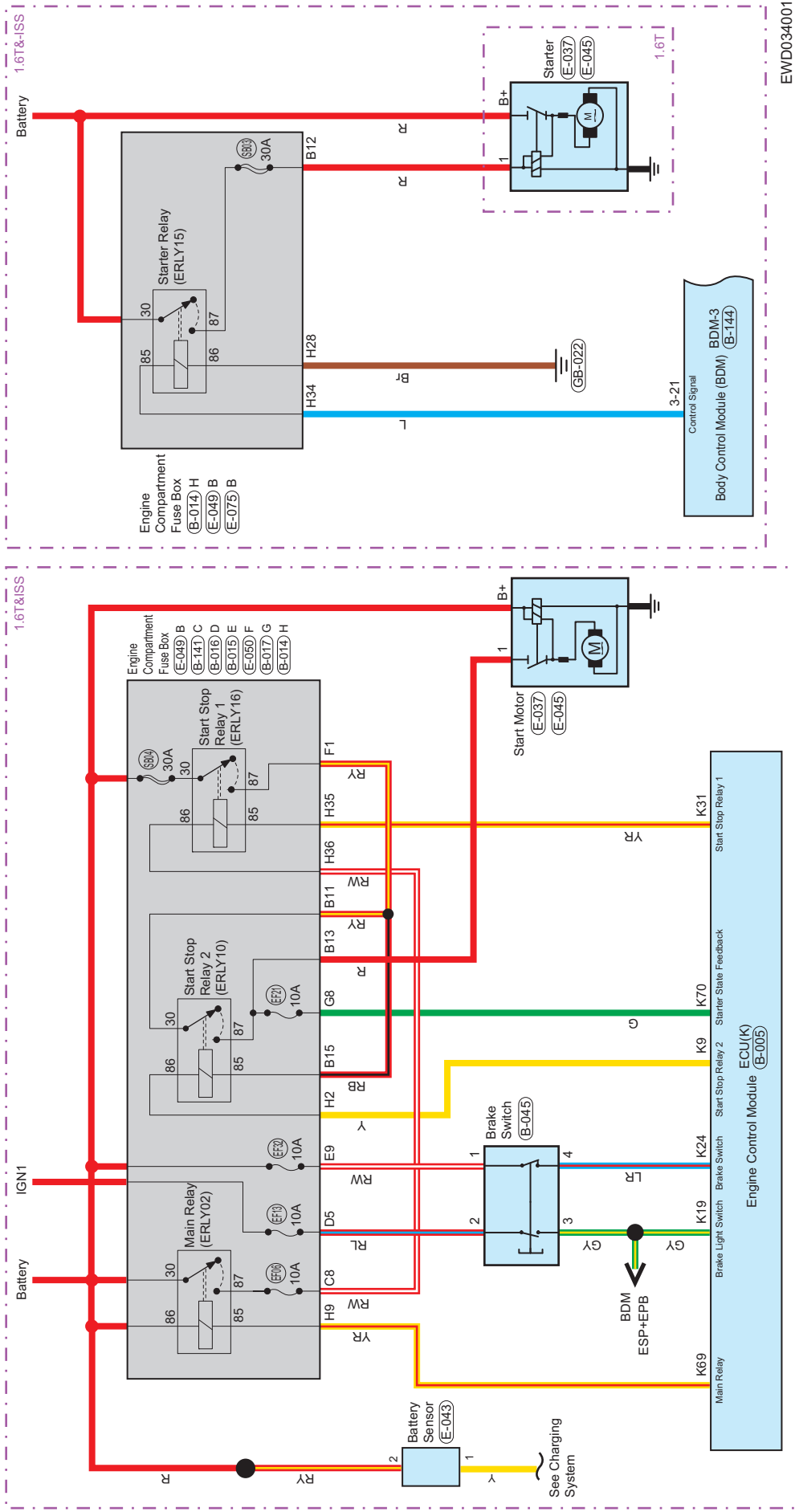
EWD032001

# Passive Entry and Passive Start System



EWD033001

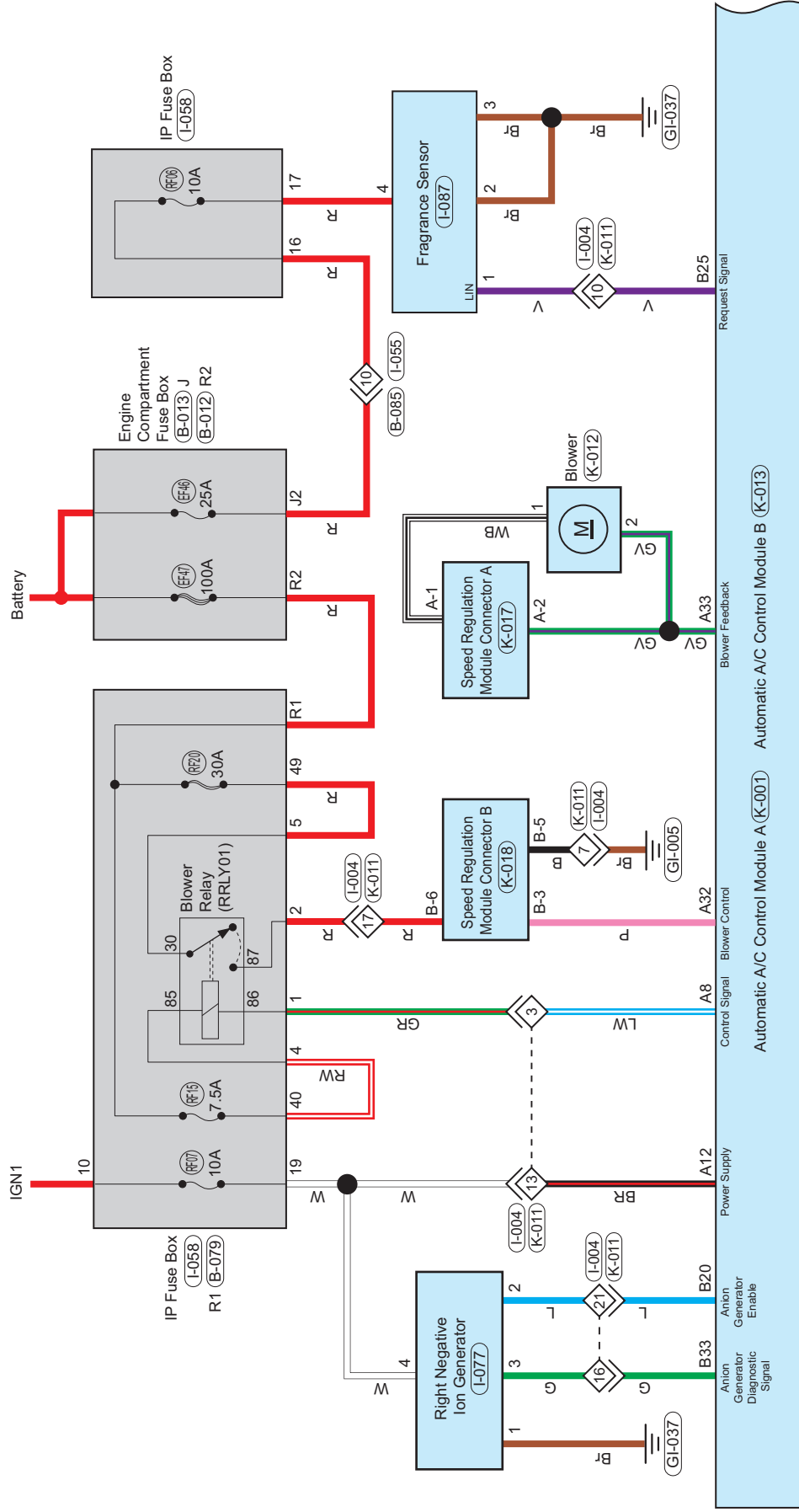
# Passive Entry and Passive Start System



EWD034001

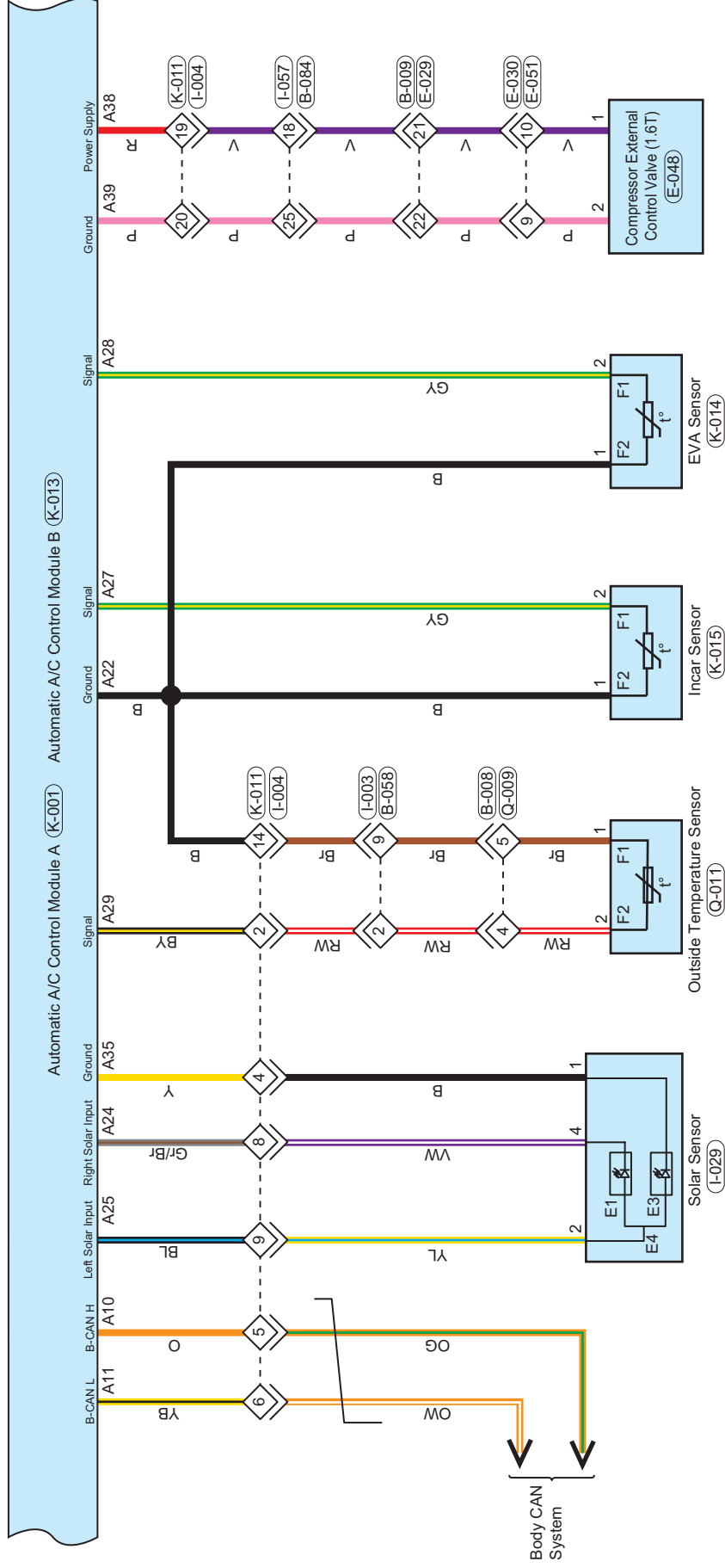


# Automatic A/C System (CLM)



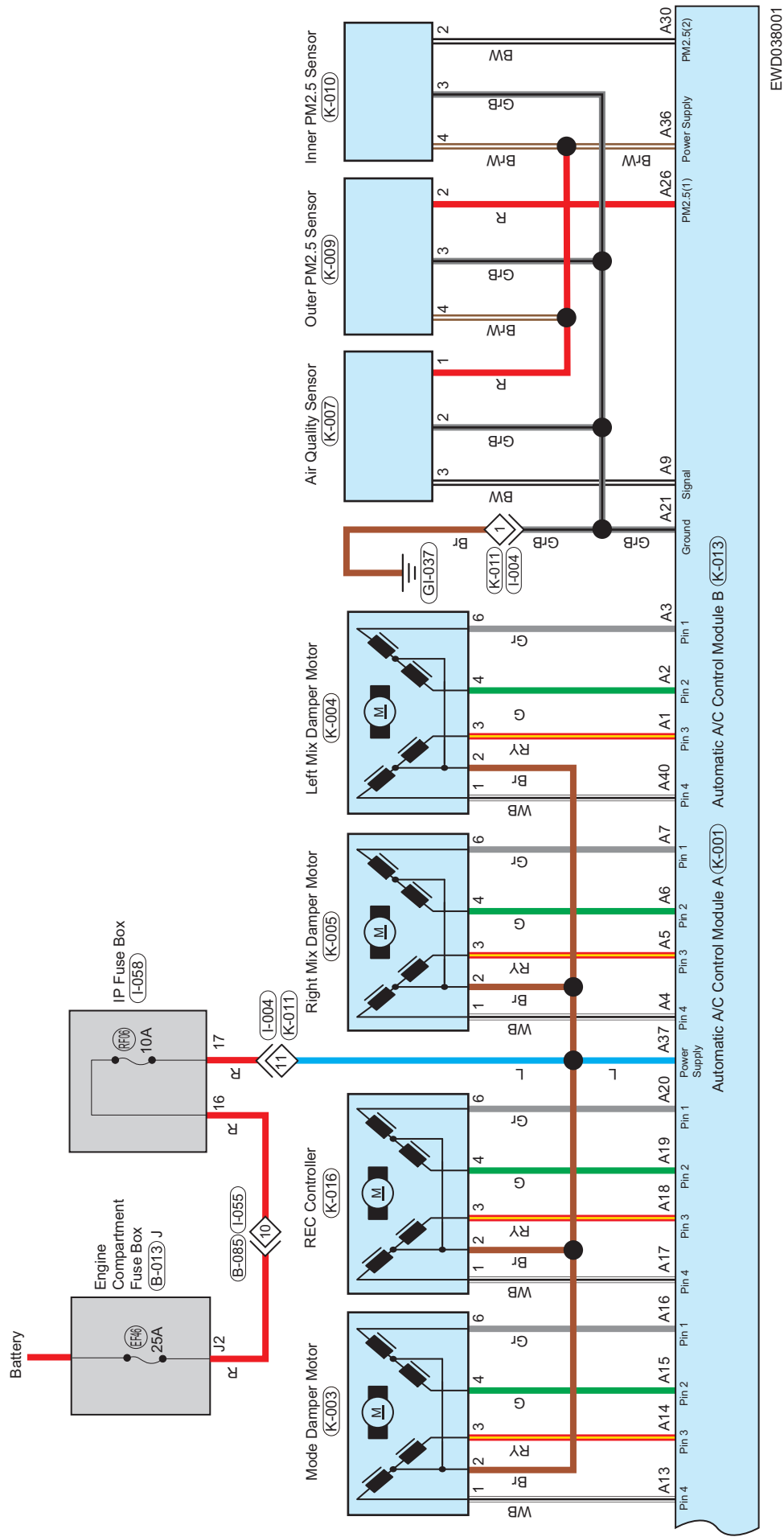
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# Automatic A/C System (CLM)



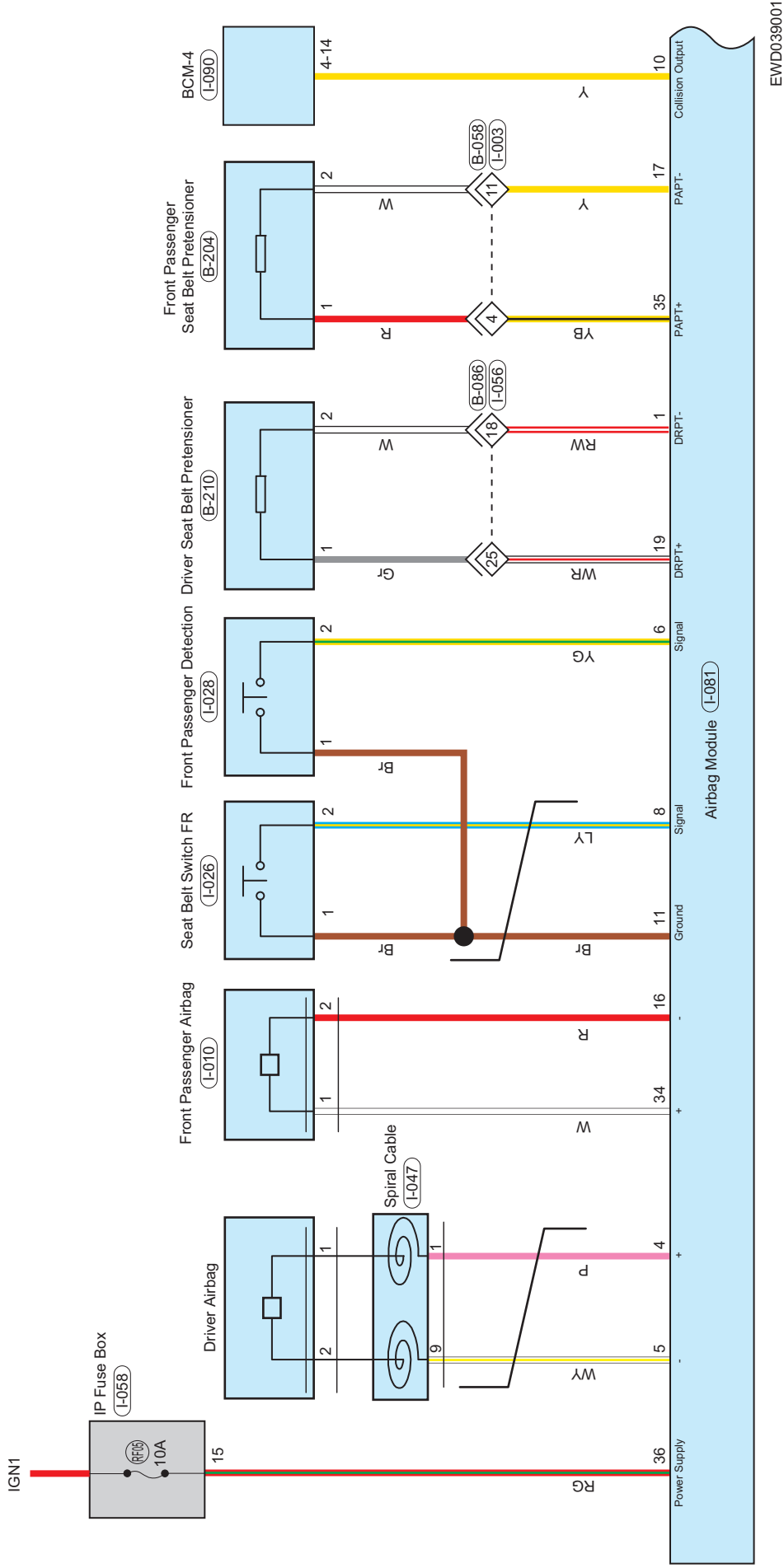
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### Automatic A/C System (CLM)

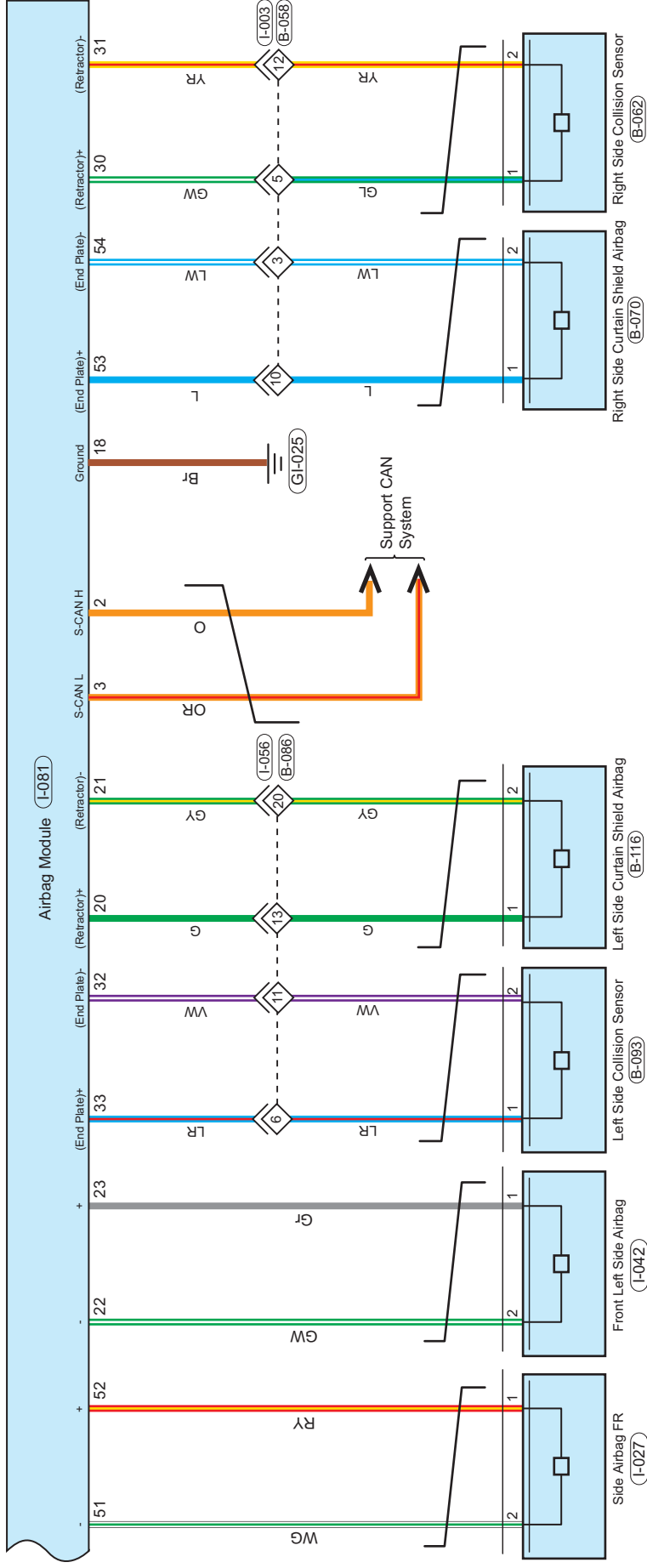




# Supplemental Restraint System

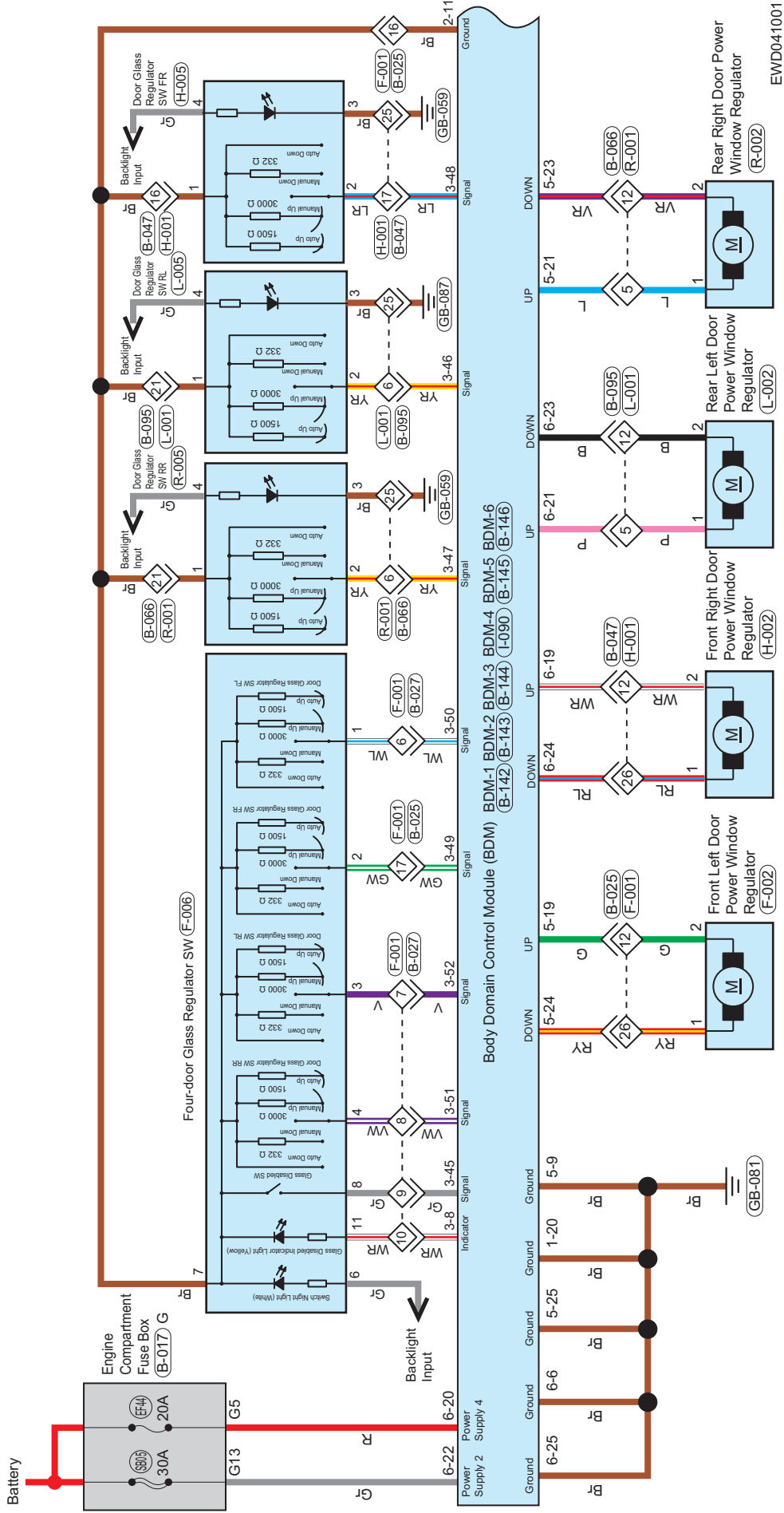


# Supplemental Restraint System



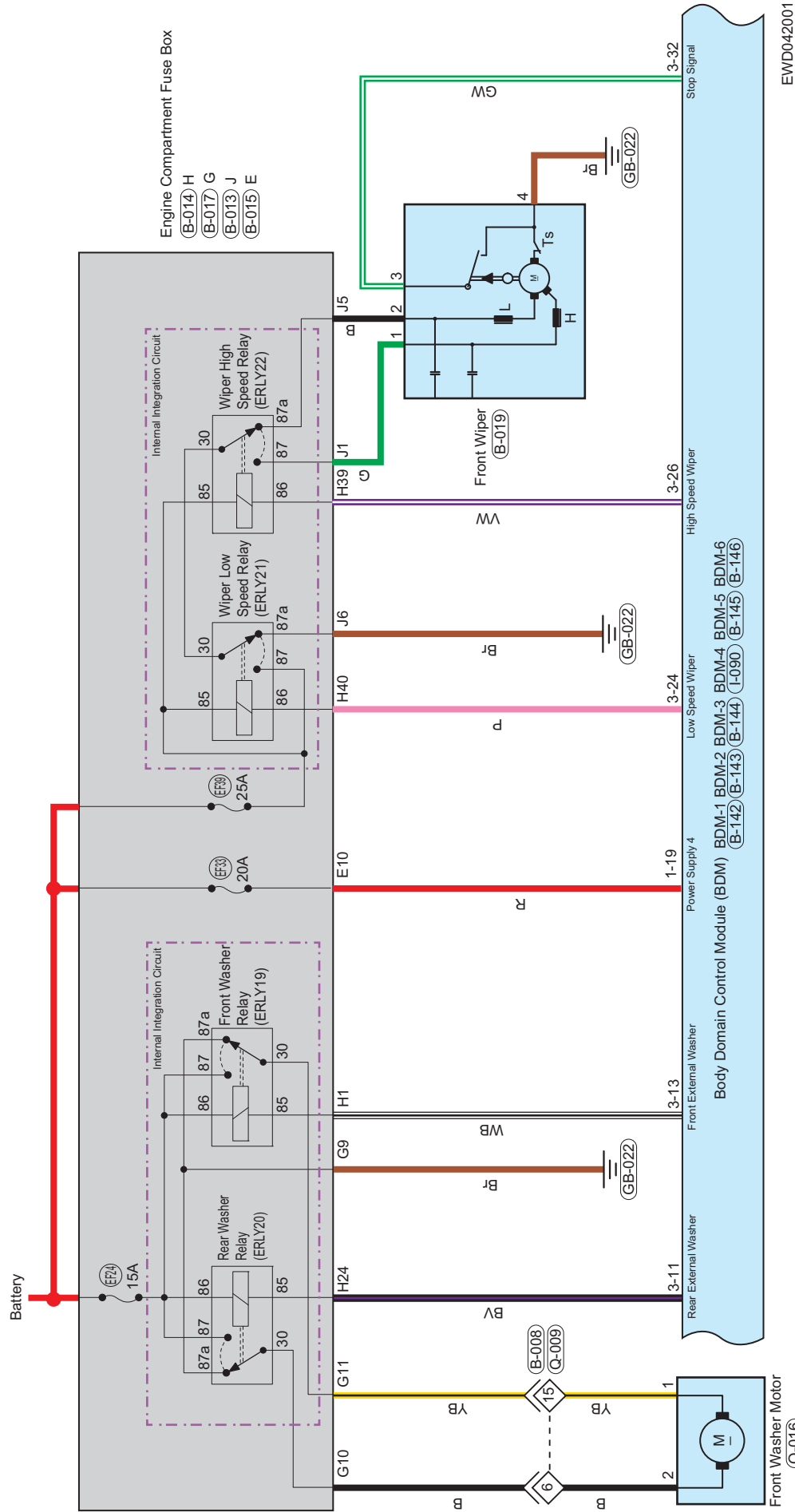
EWD040001

# Body Control Module (BDM)



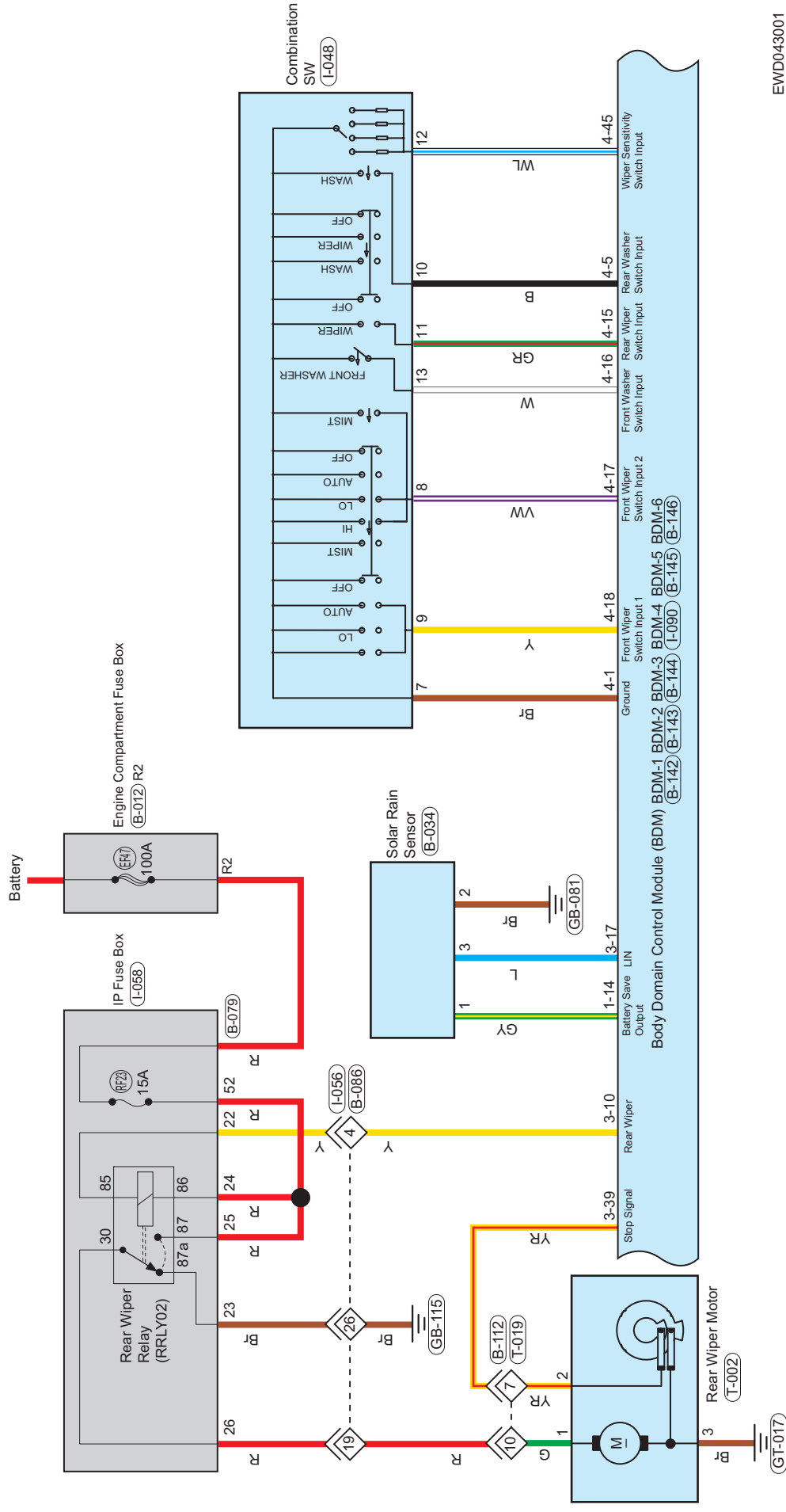
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# Body Control Module (BDM)



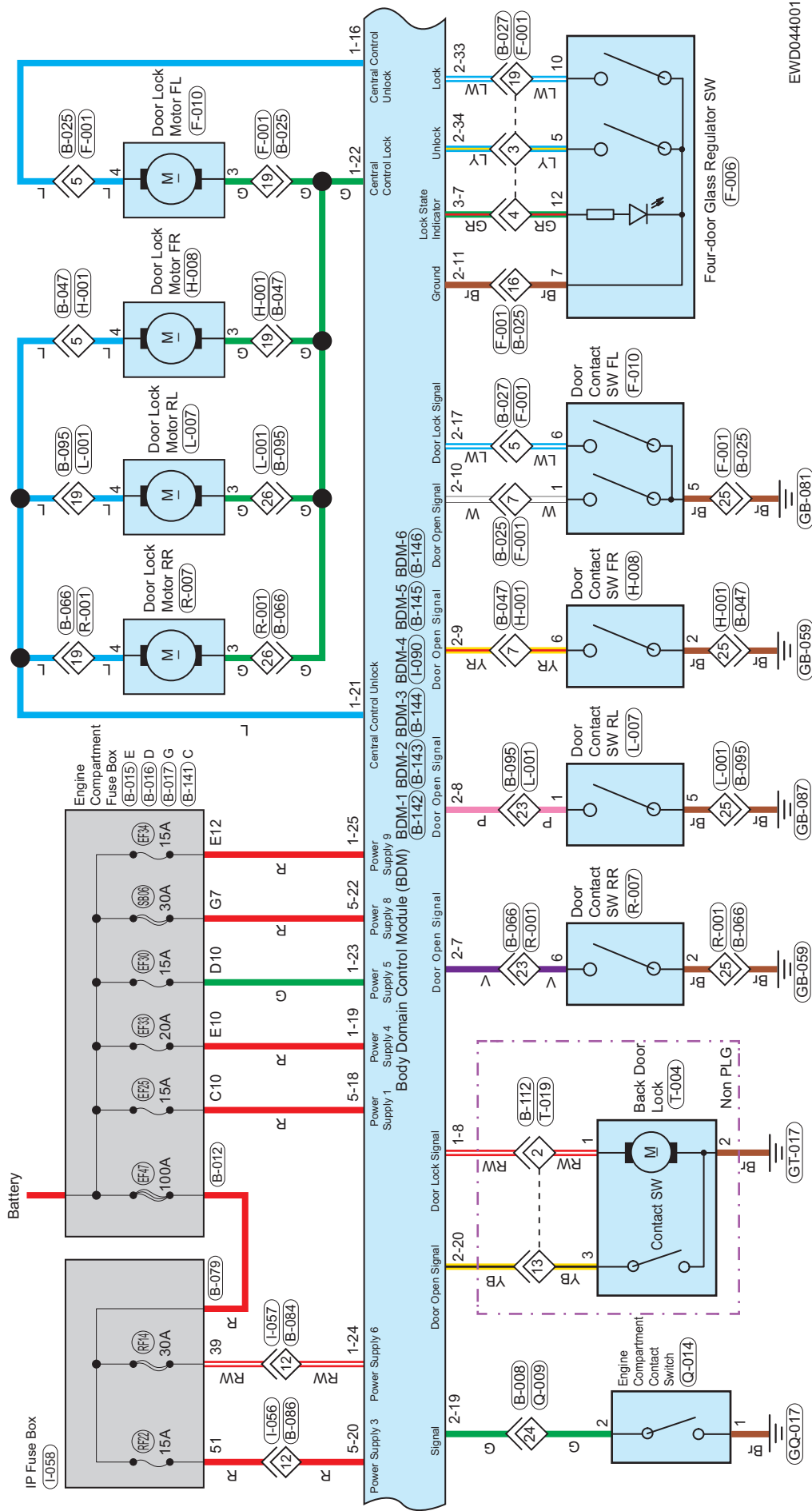
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# Body Control Module (BDM)



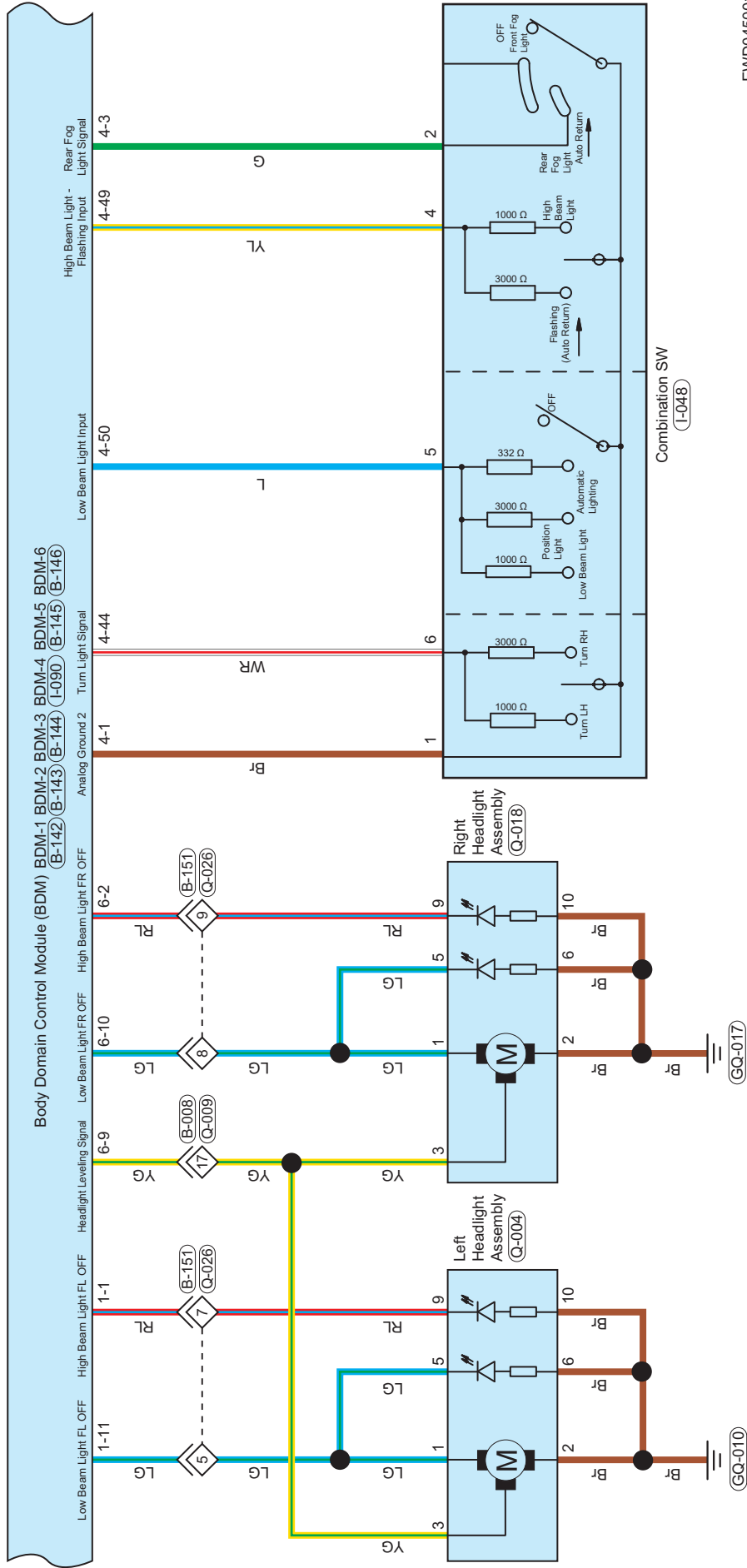
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# Body Control Module (BDM)



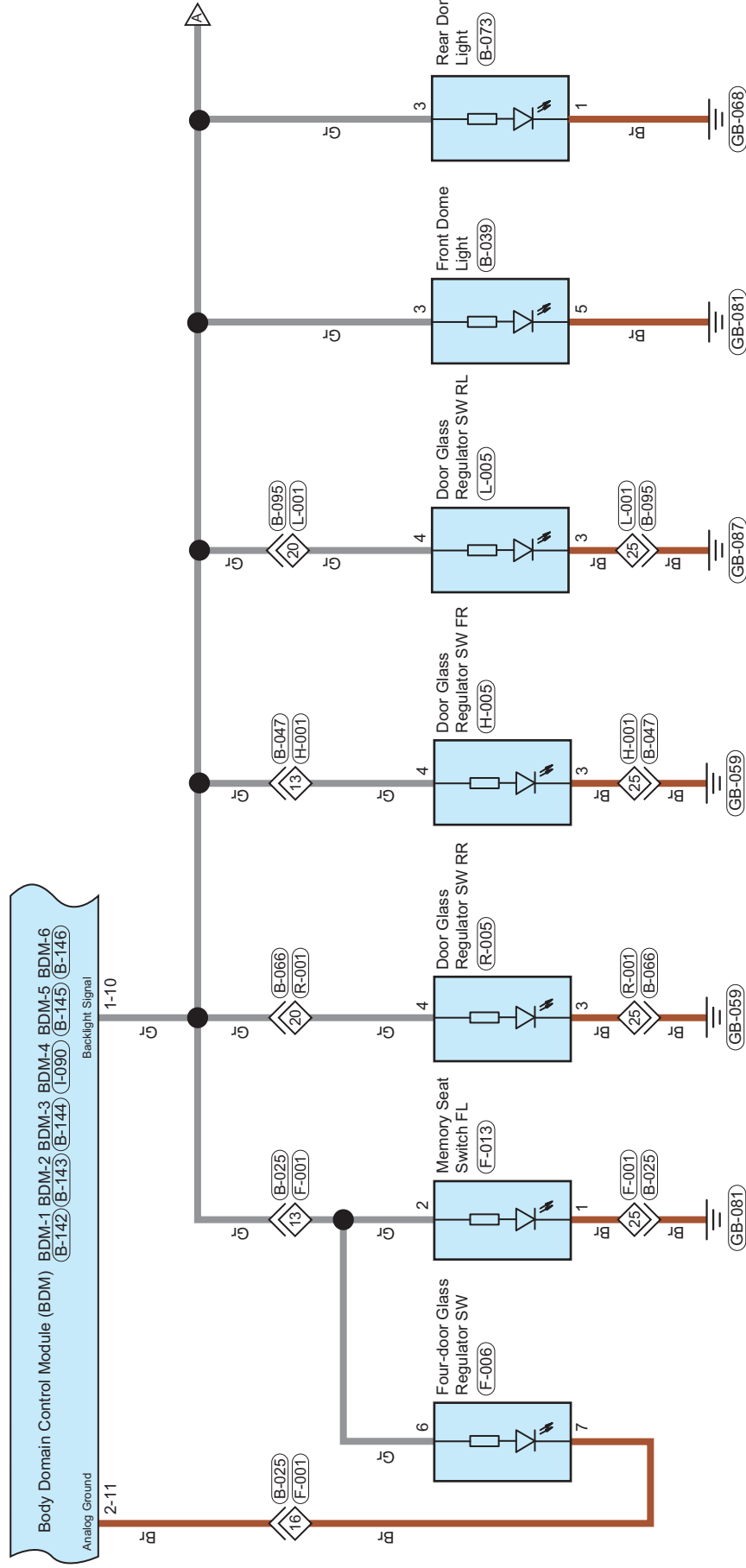
EWD044001

# Body Control Module (BDM)



EWD045001

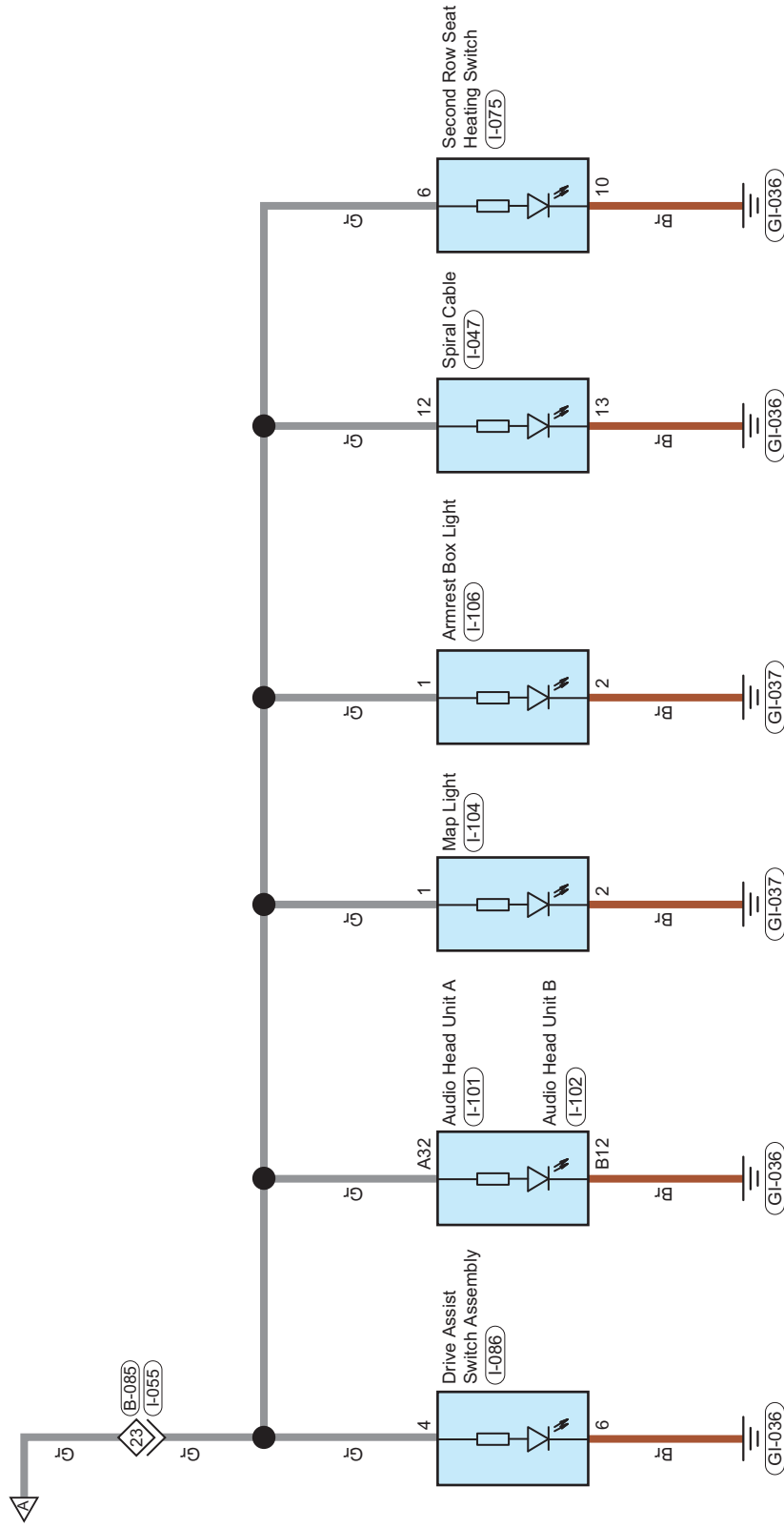
# Body Control Module (BDM)



EWD046001

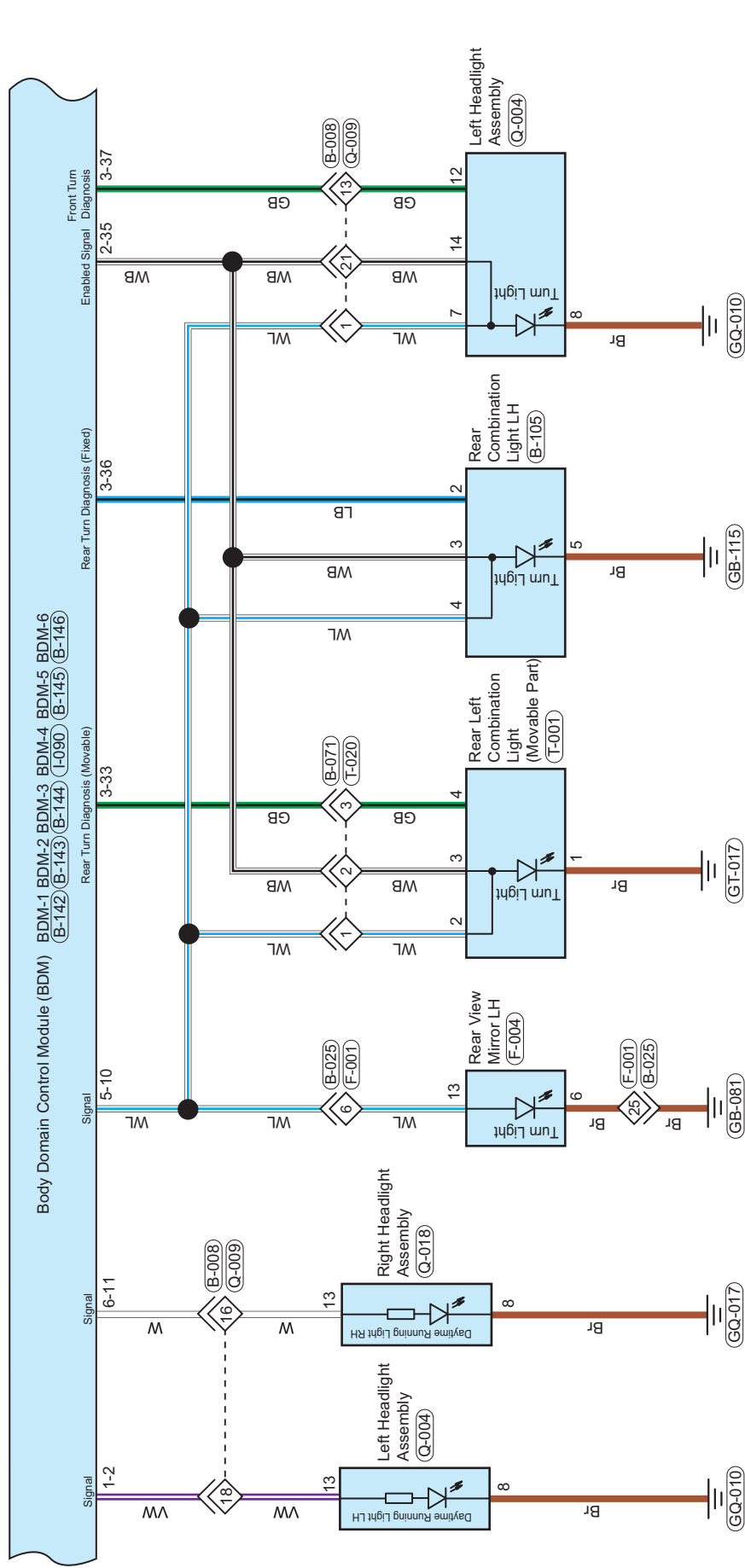


# Body Control Module (BDM)



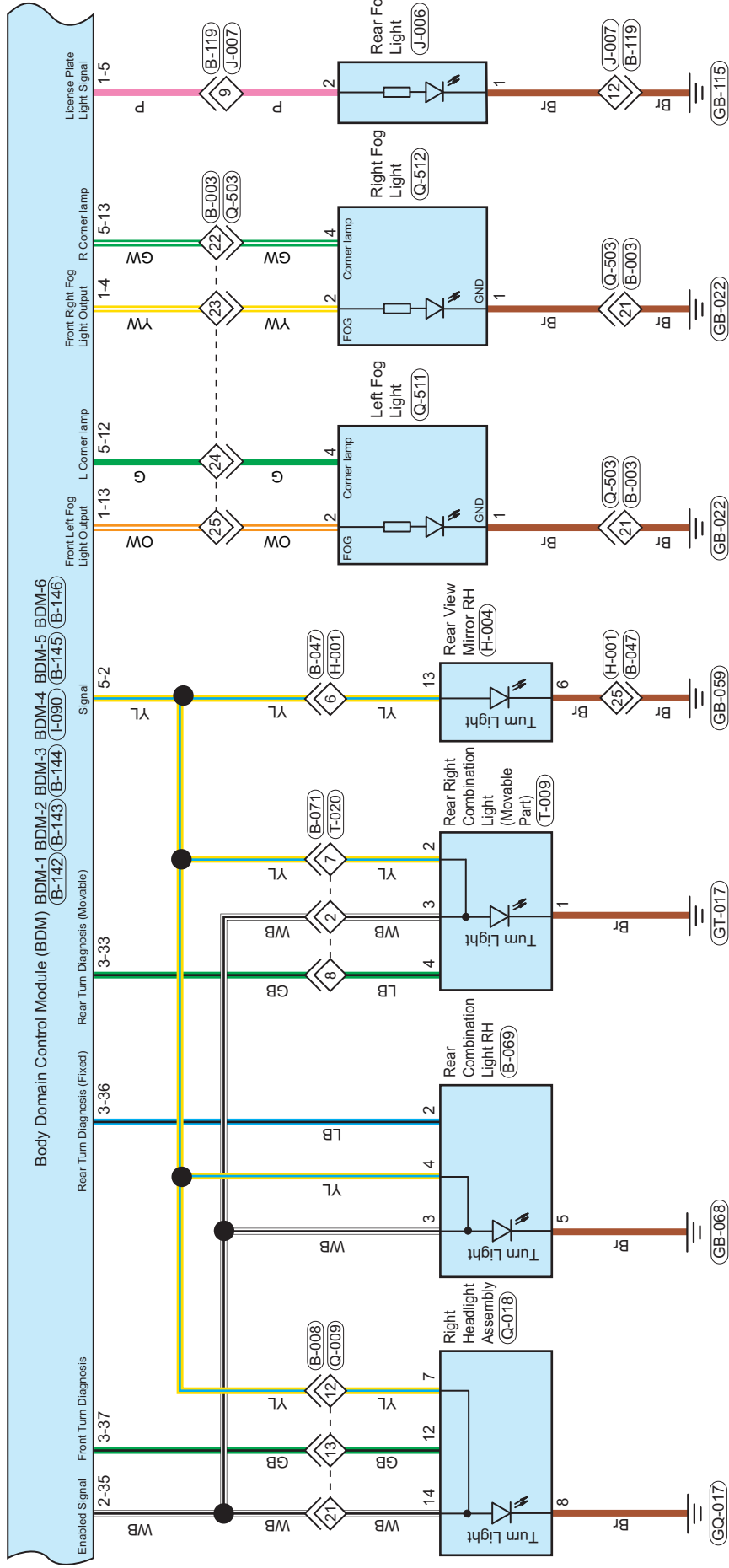
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# Body Control Module (BDM)



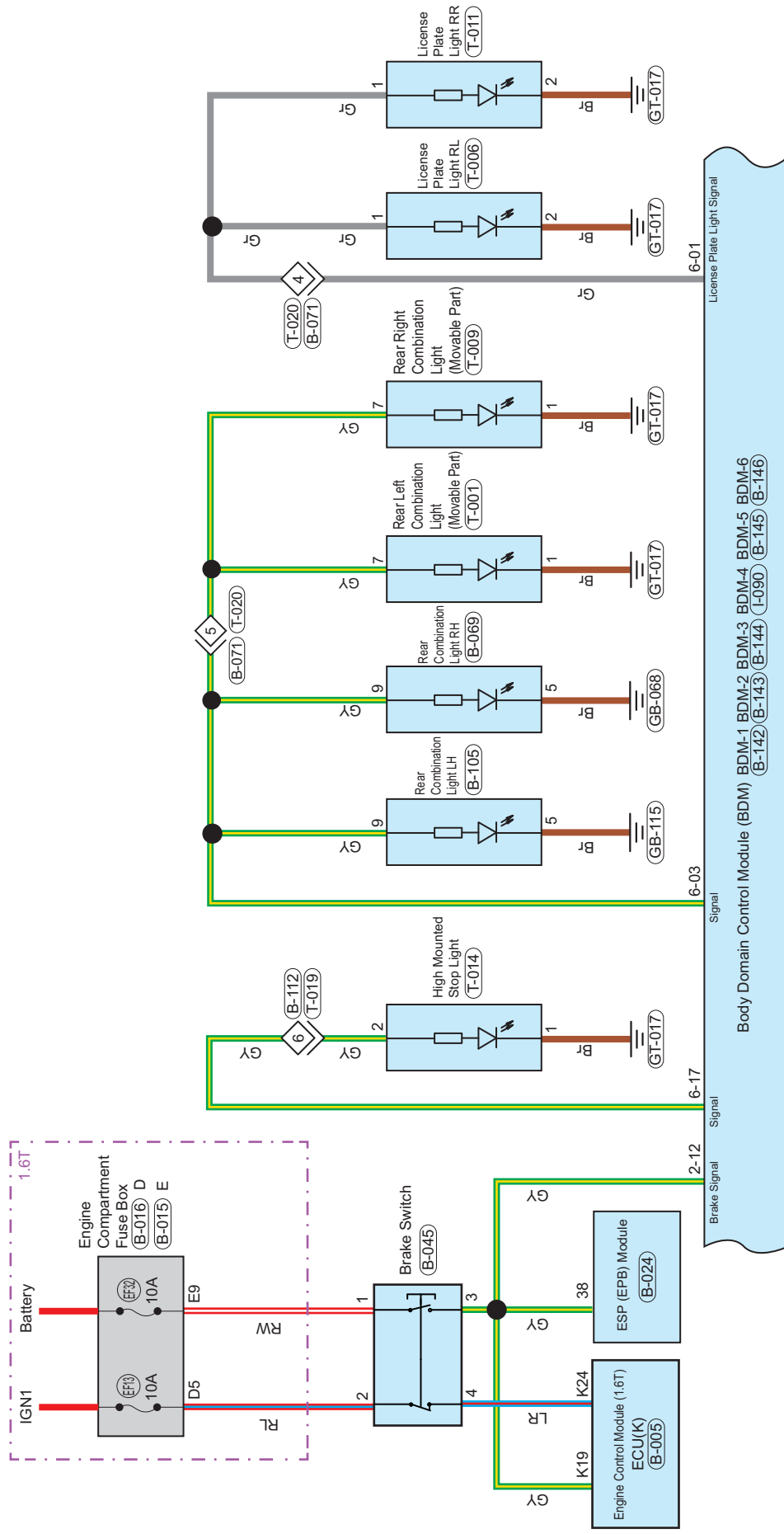
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# Body Control Module (BDM)



EWD0048001

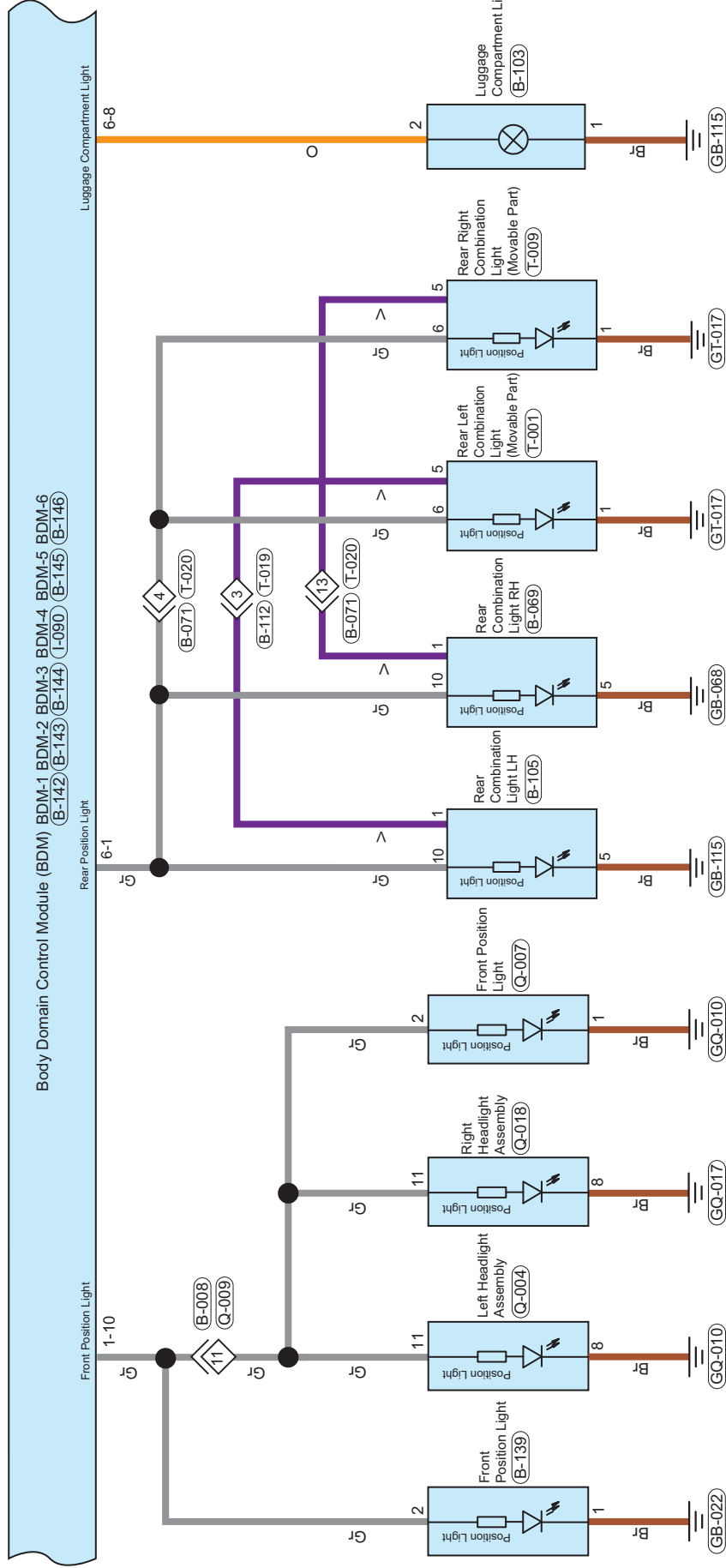
# Body Control Module (BDM)



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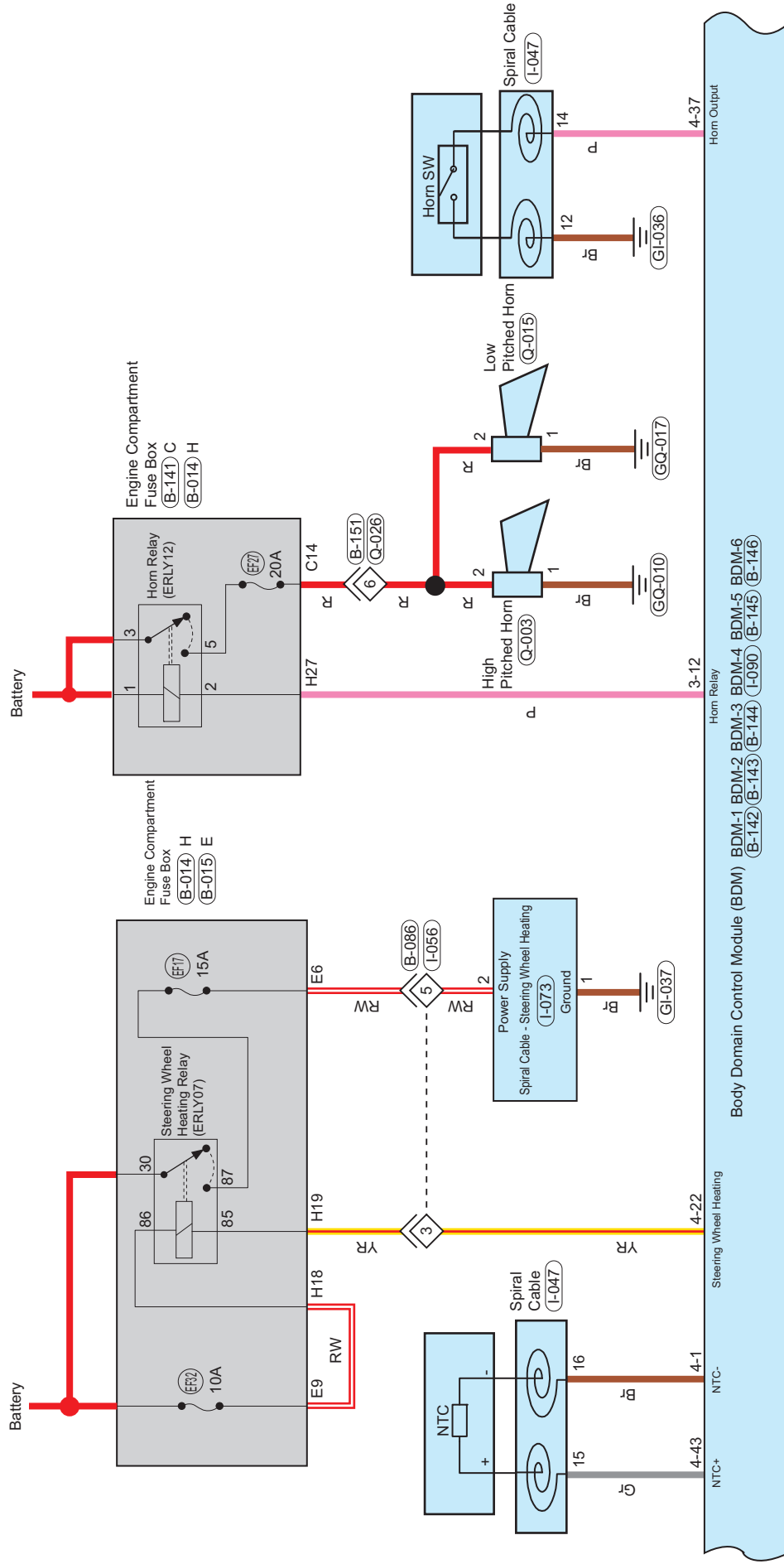
# Body Control Module (BDM)



EWD051001



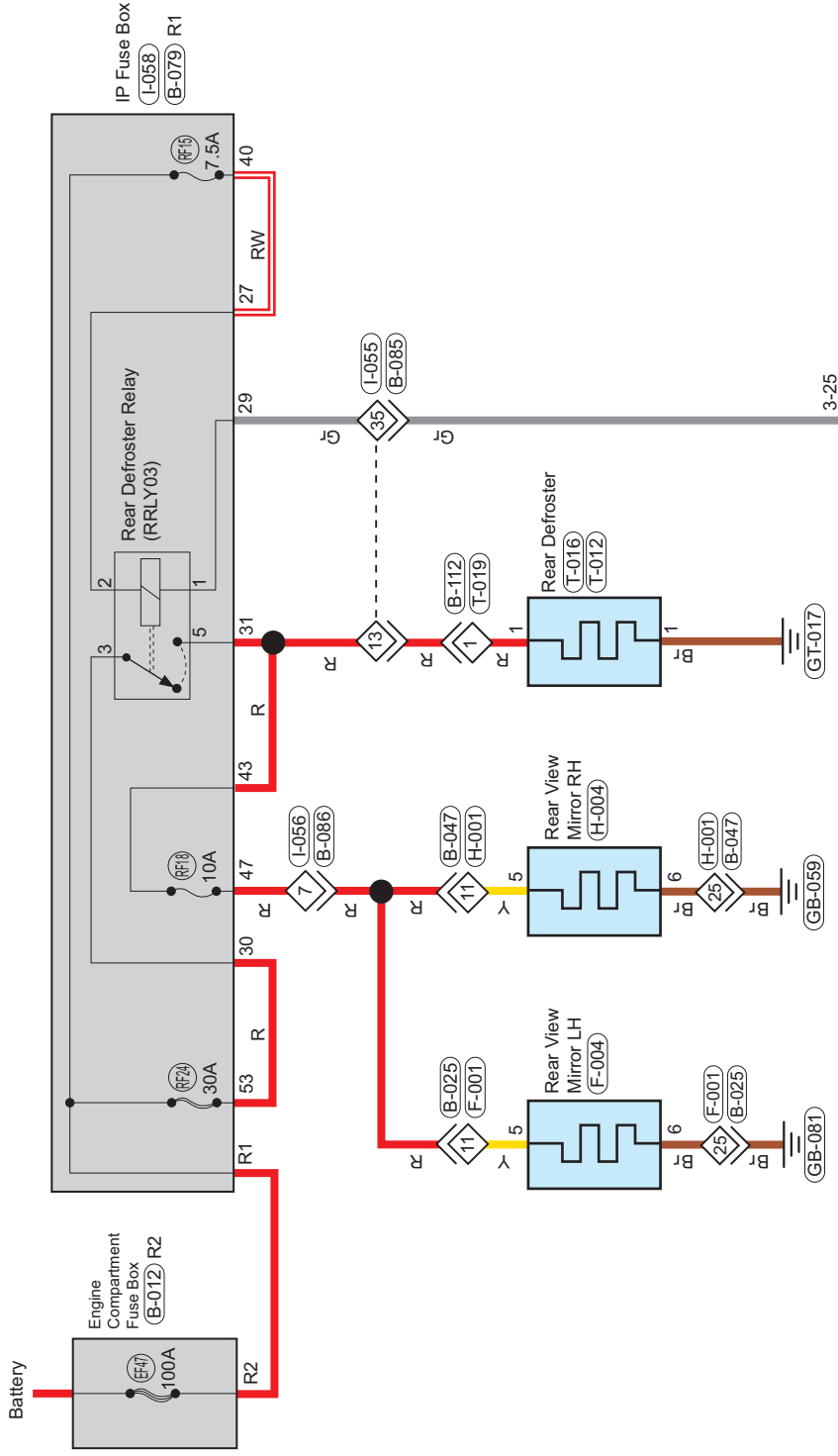
# Body Control Module (BDM)



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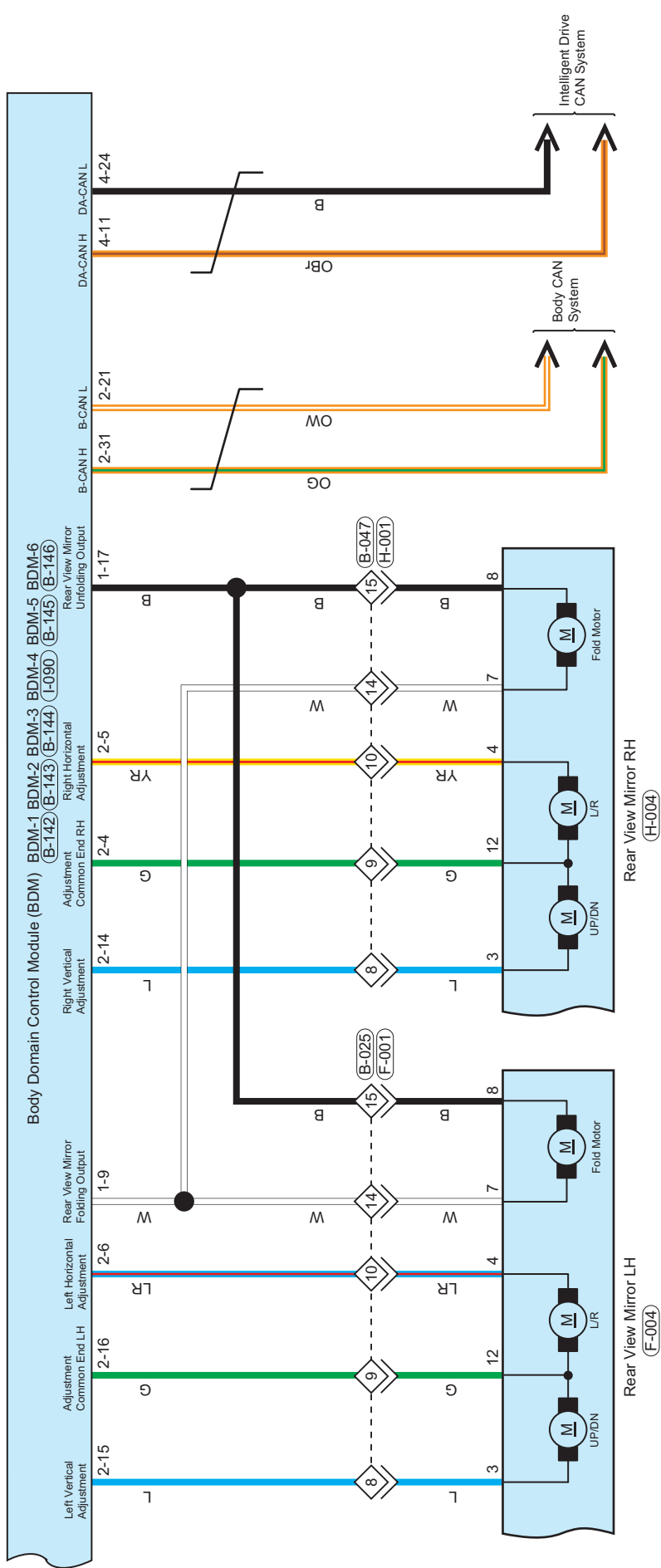


# Body Control Module (BDM)



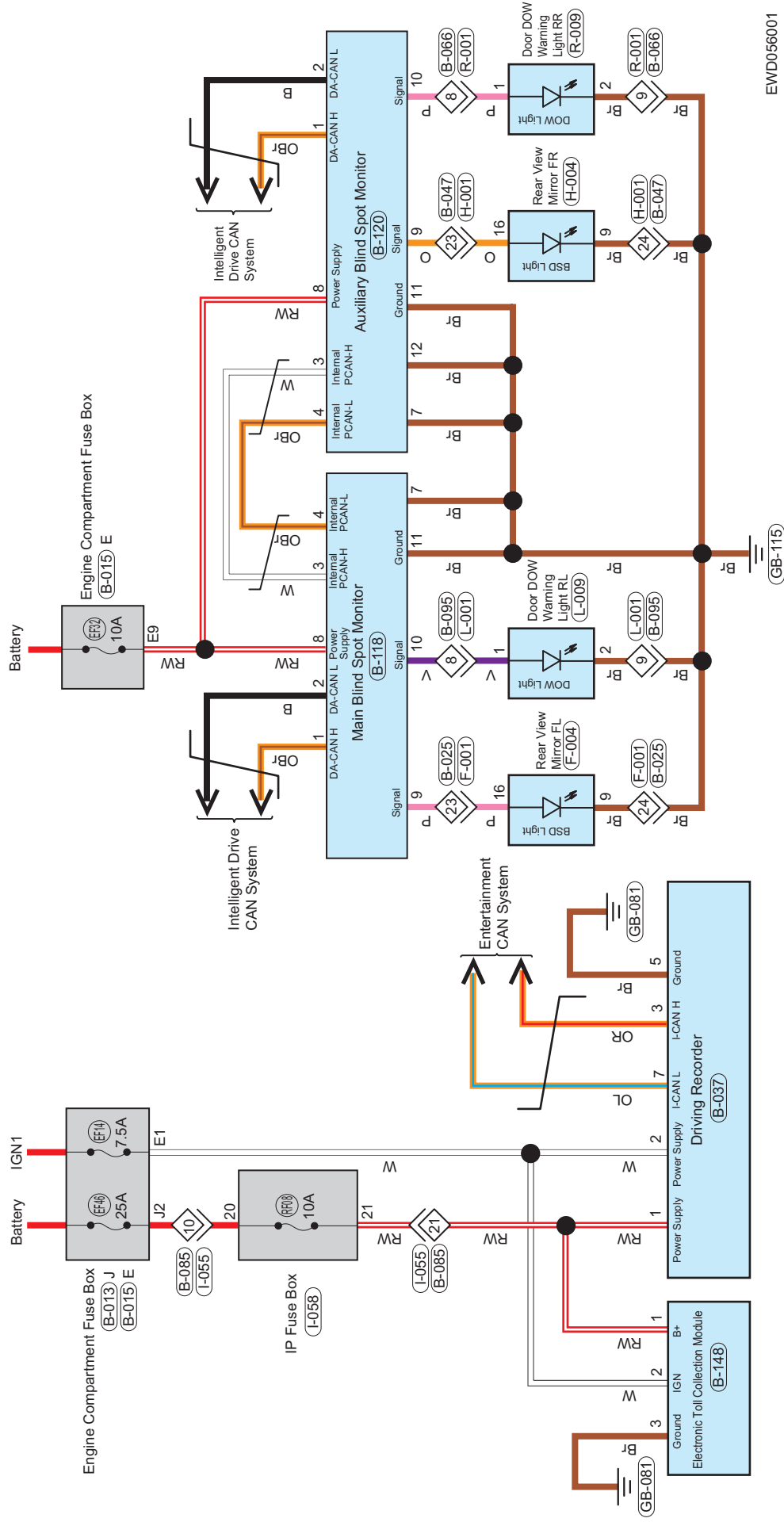
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# Body Control Module (BDM)



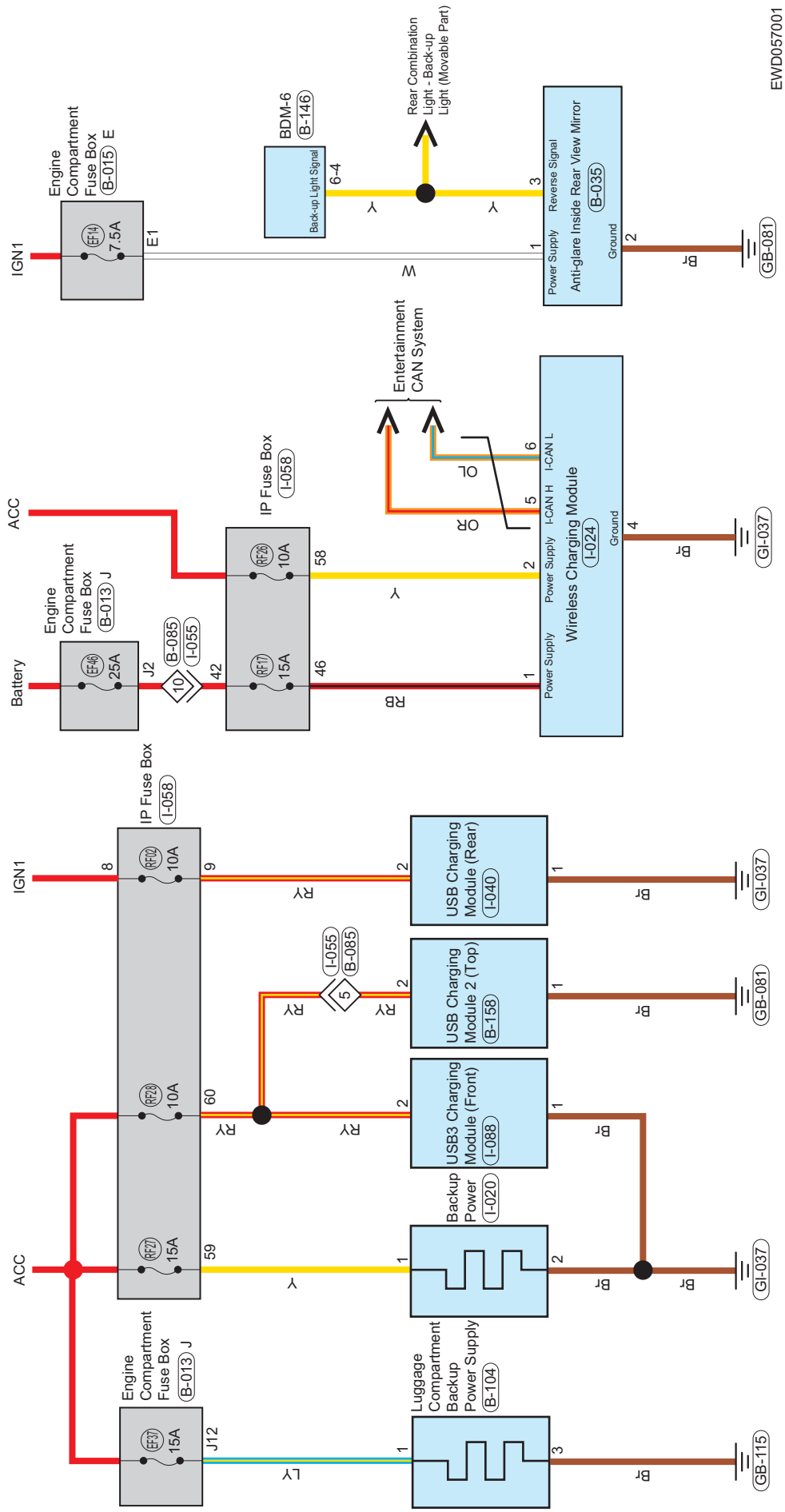
EWD055001

# Driving Recorder (DVR)/Electronic Toll Collection Module/Blind Spot Monitoring System (BSD)



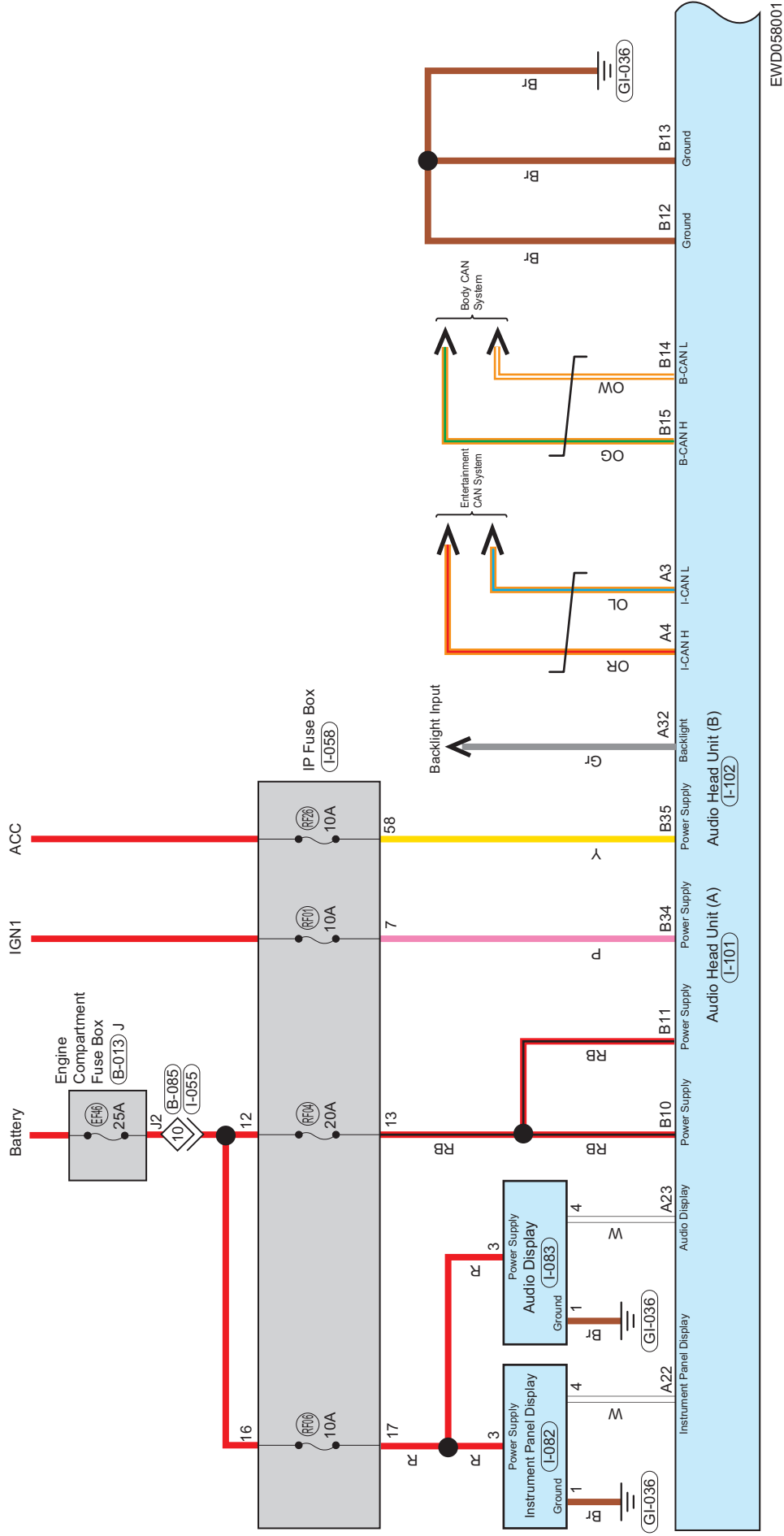
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# Backup Power Supply/Wireless Charging System (CWC)/Inside Rear View Mirror



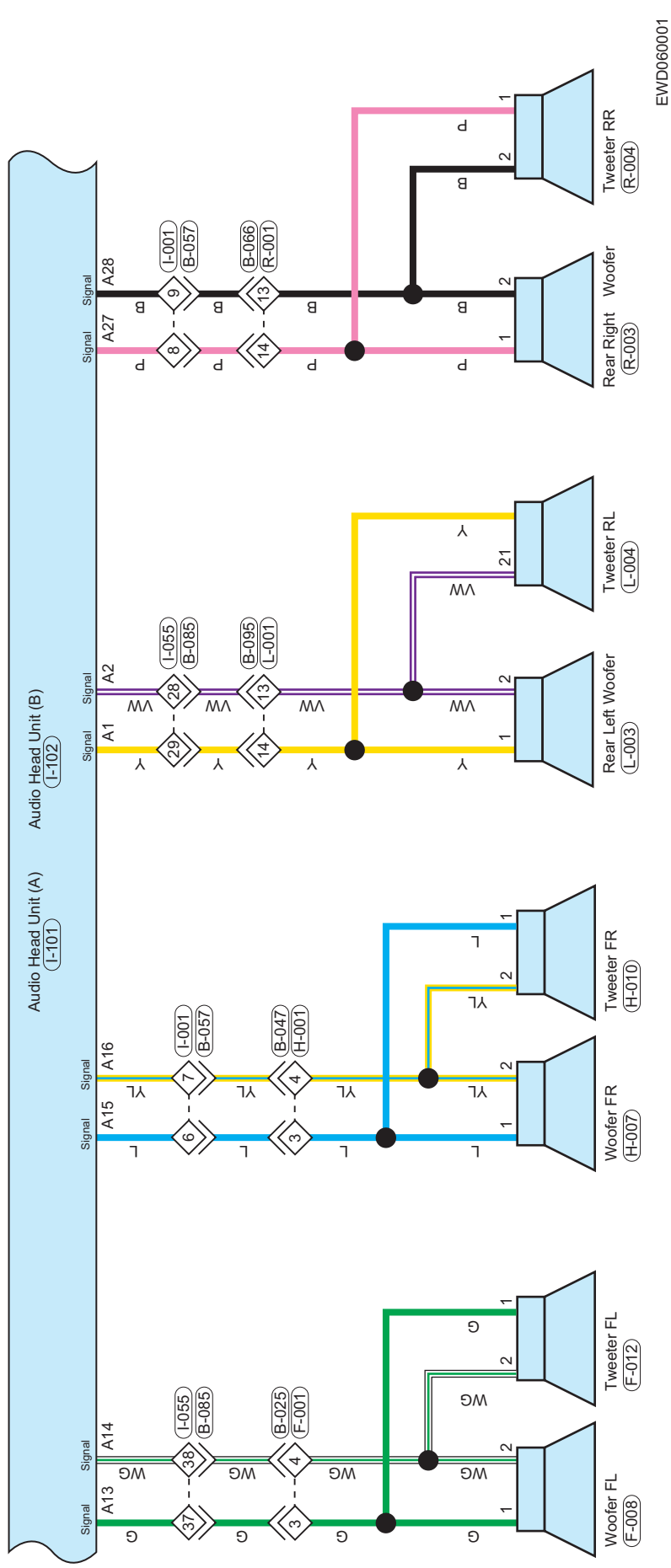
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# Audio Control System



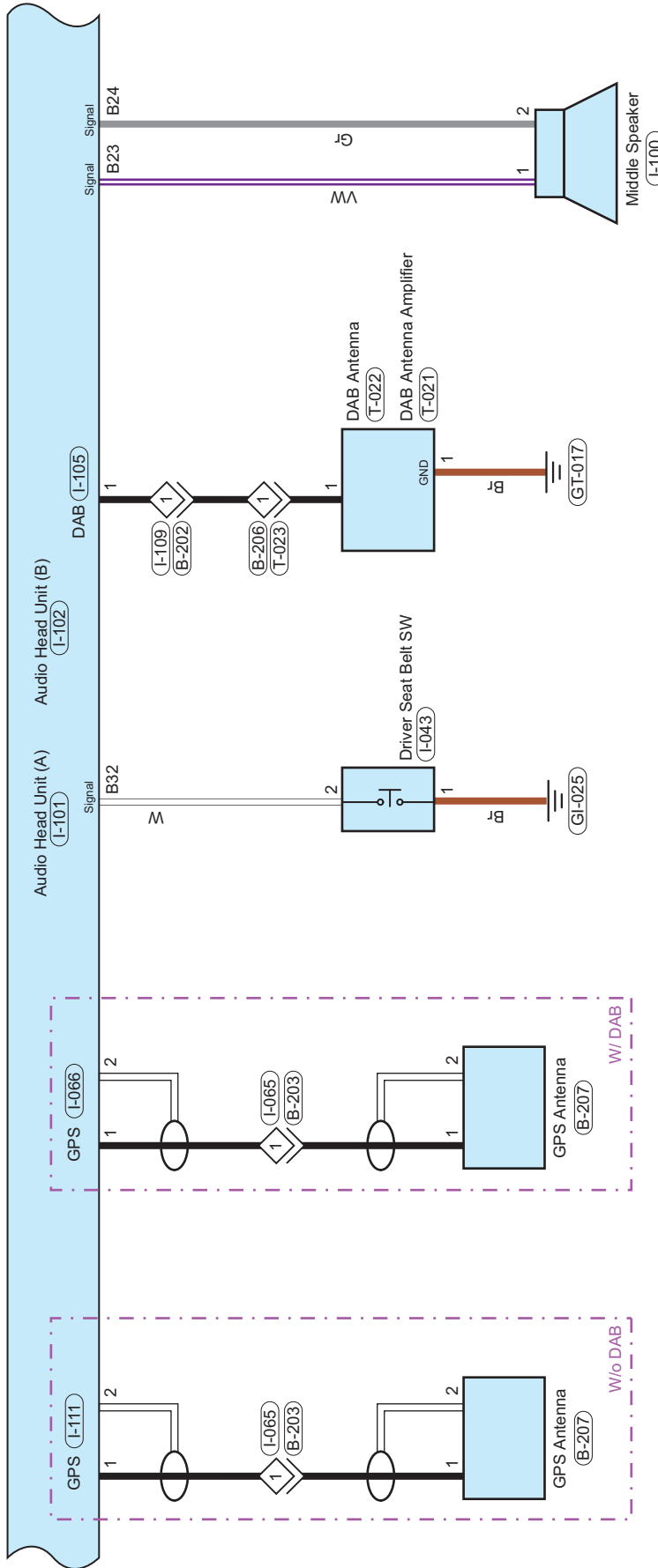


# Audio Control System



EWD060001

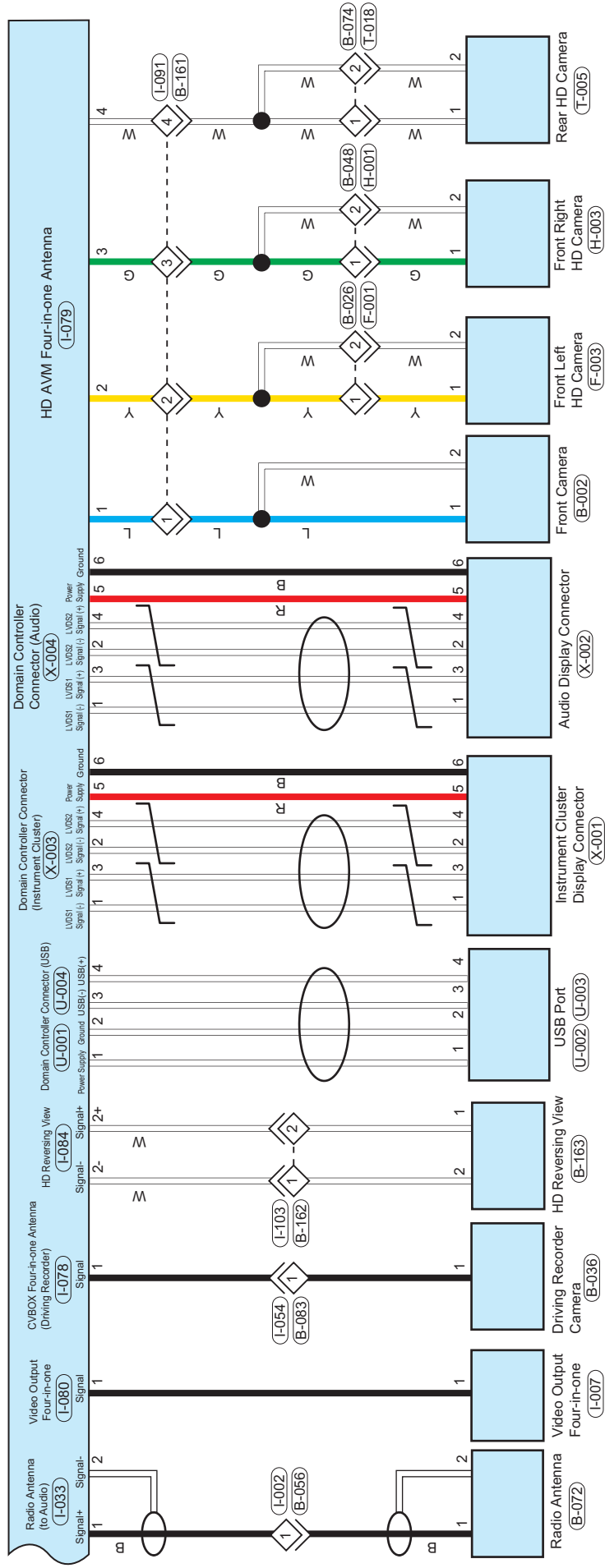
# Audio Control System



EWD060002



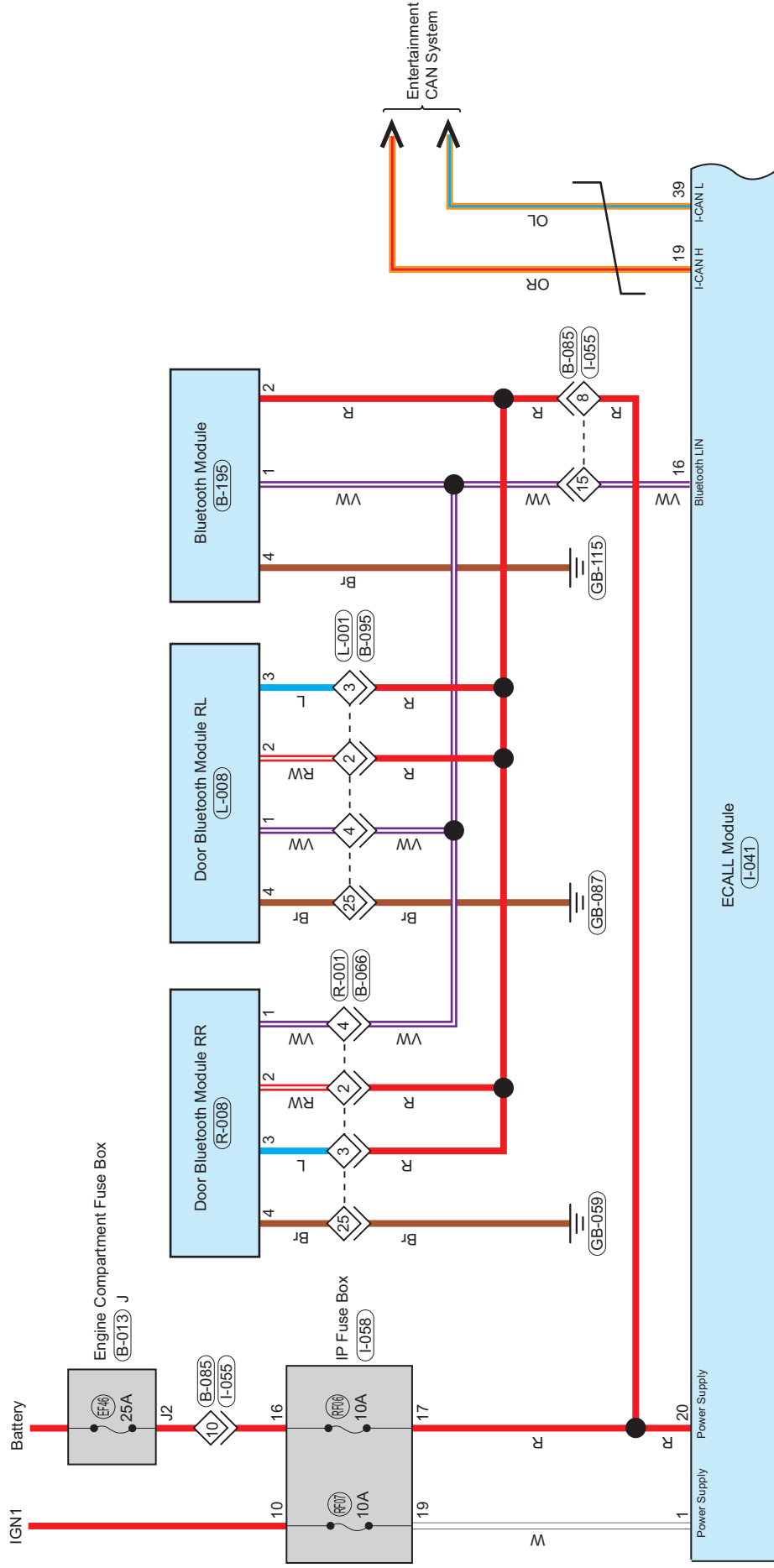
# Audio Control System



EWD061001

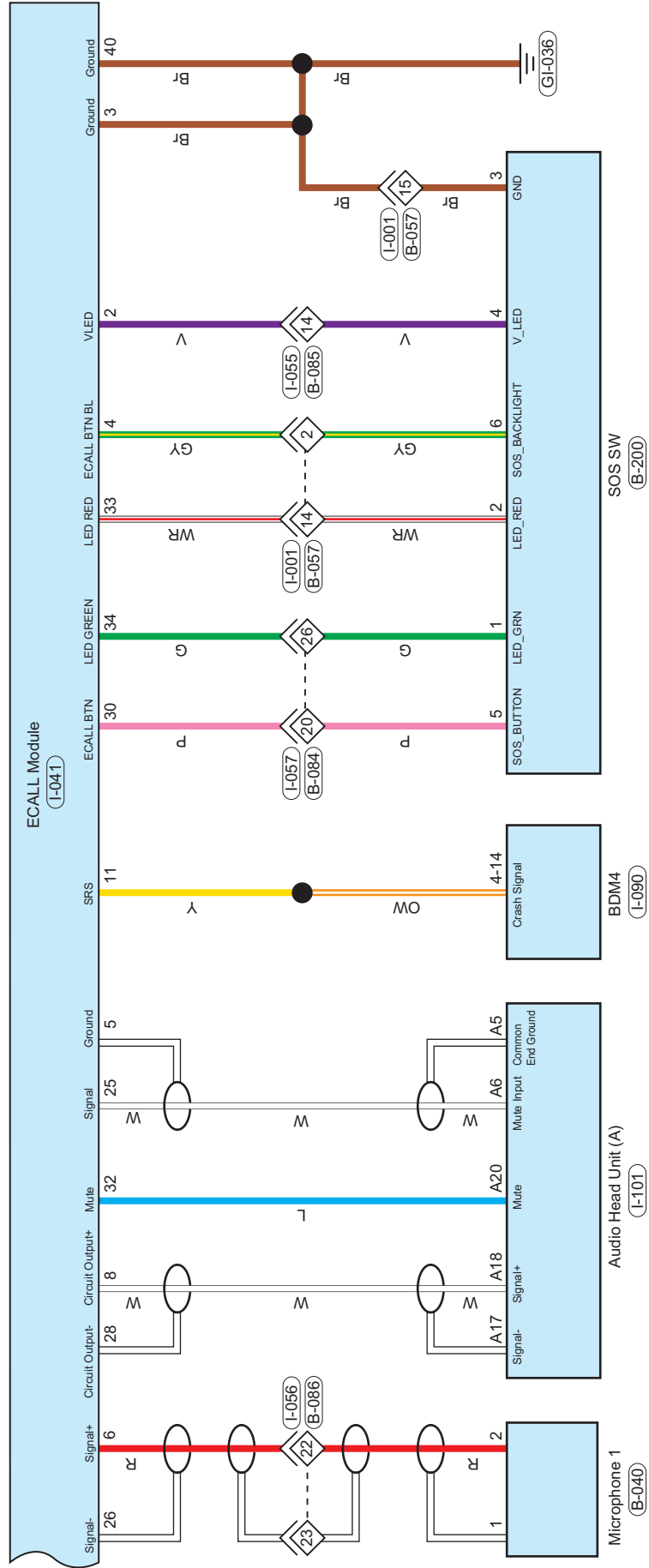


# Information Communication Module (T-BOX)



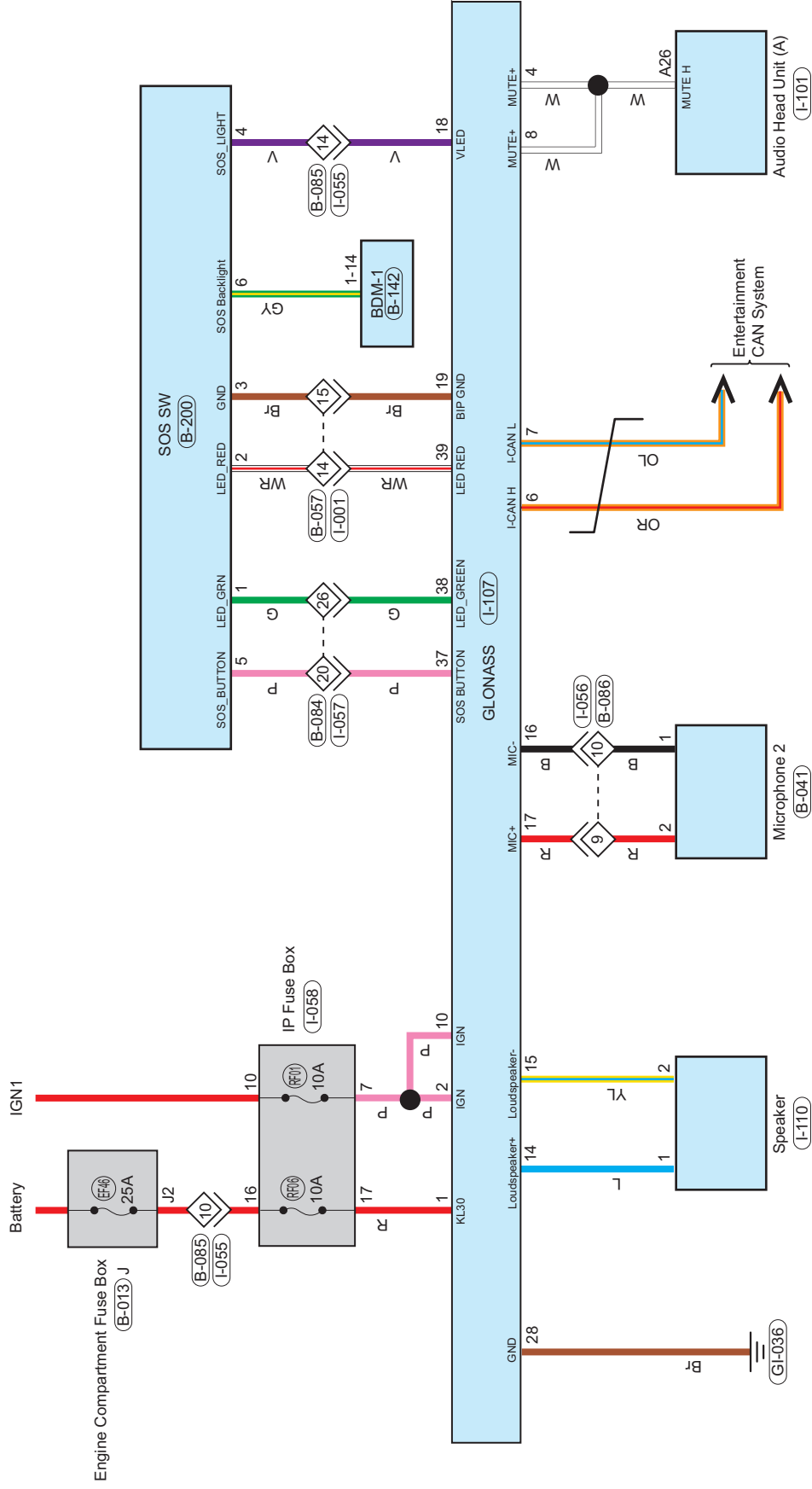
EWD063001

# Information Communication Module (T-BOX)



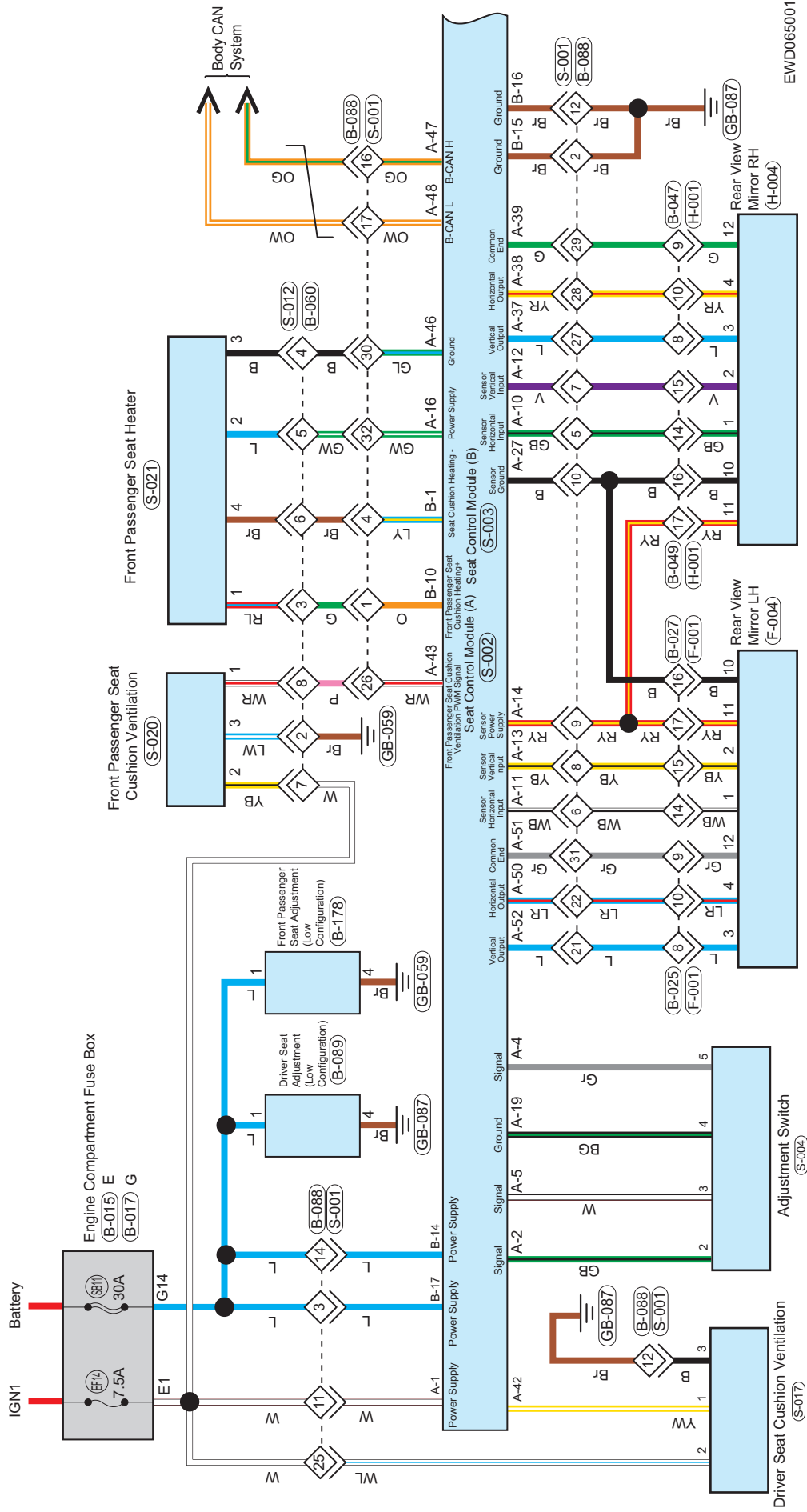
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# GLONASS



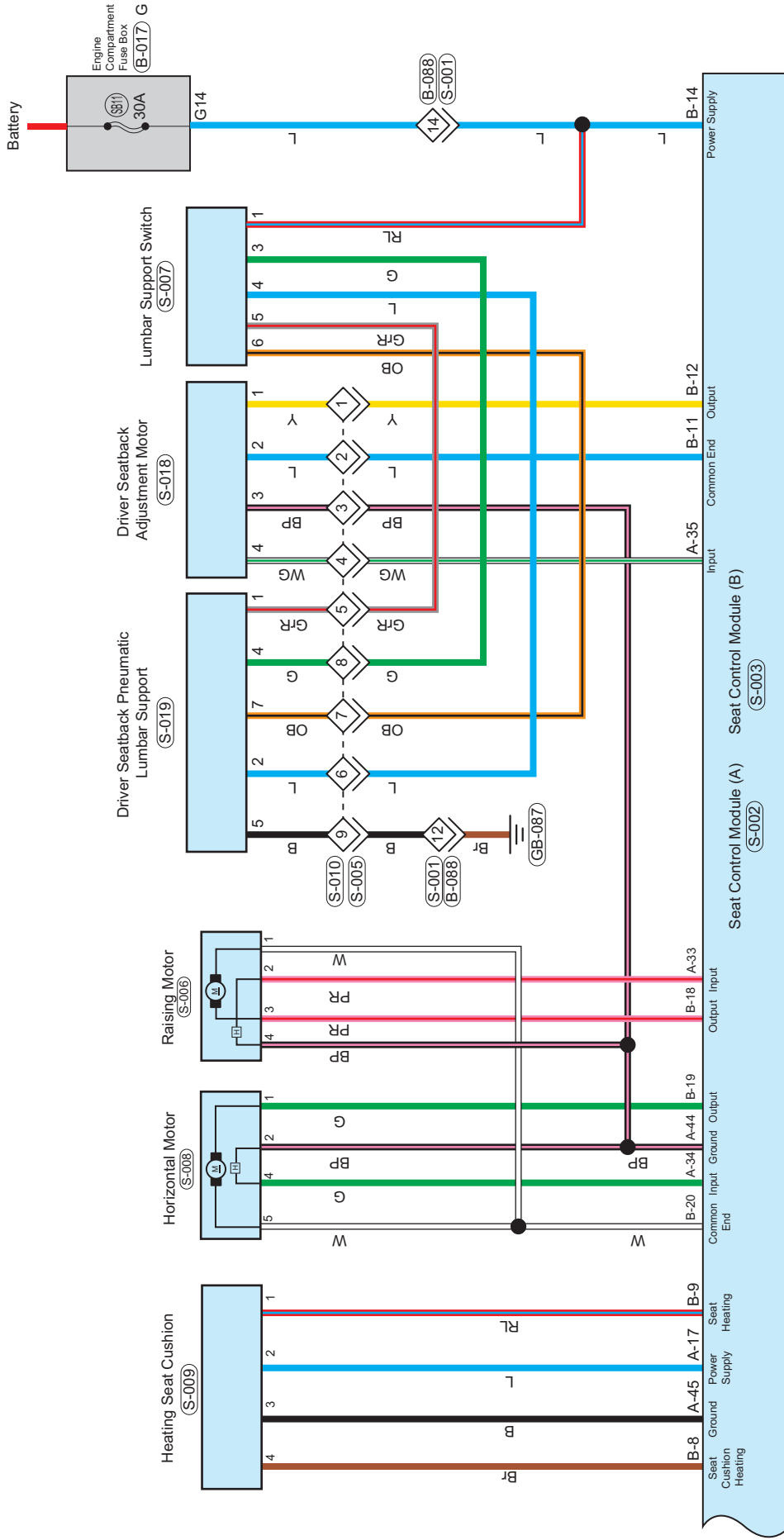
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# Seat Control Module (SCU)



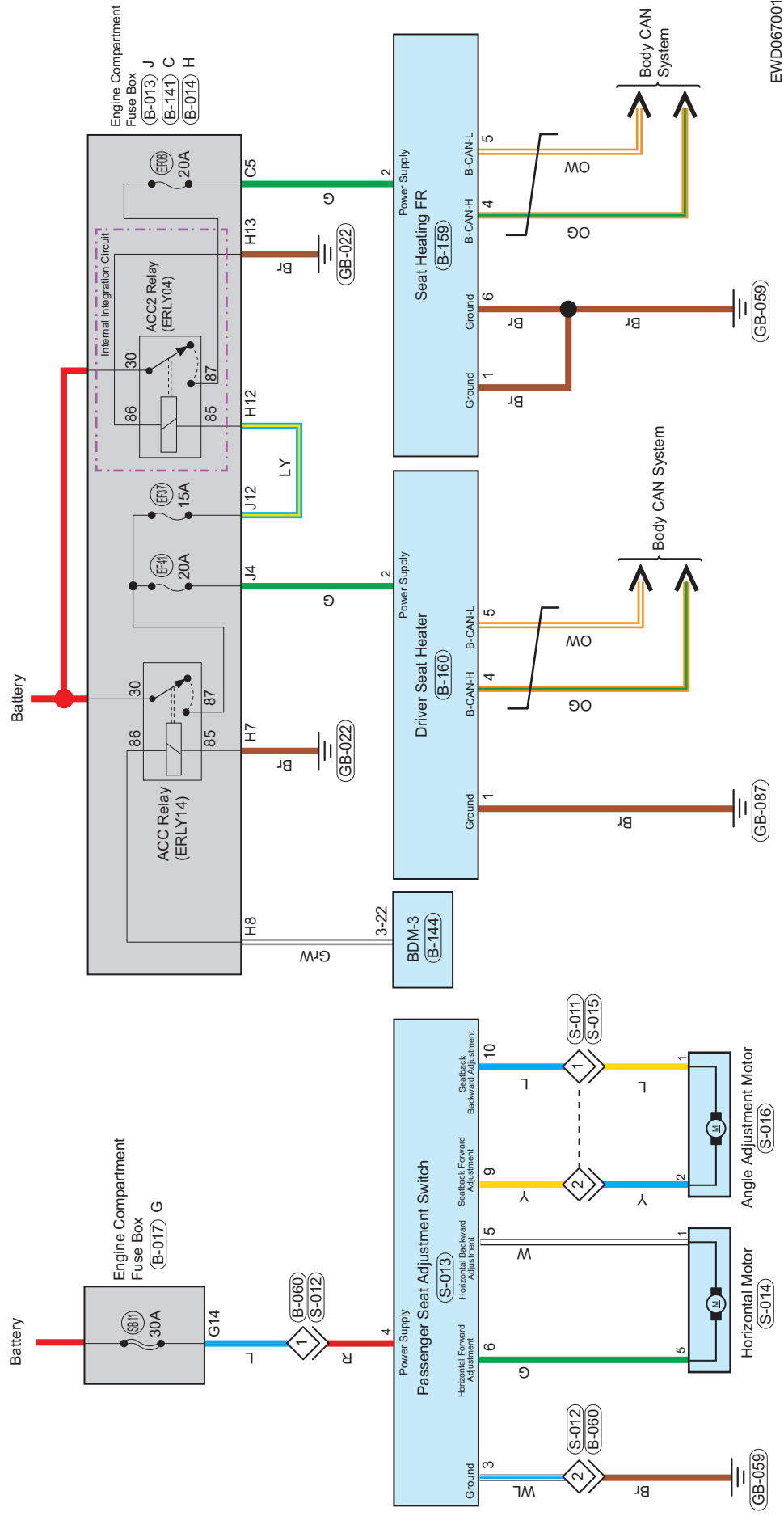
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# Seat Control Module (SCU)



EWD066001

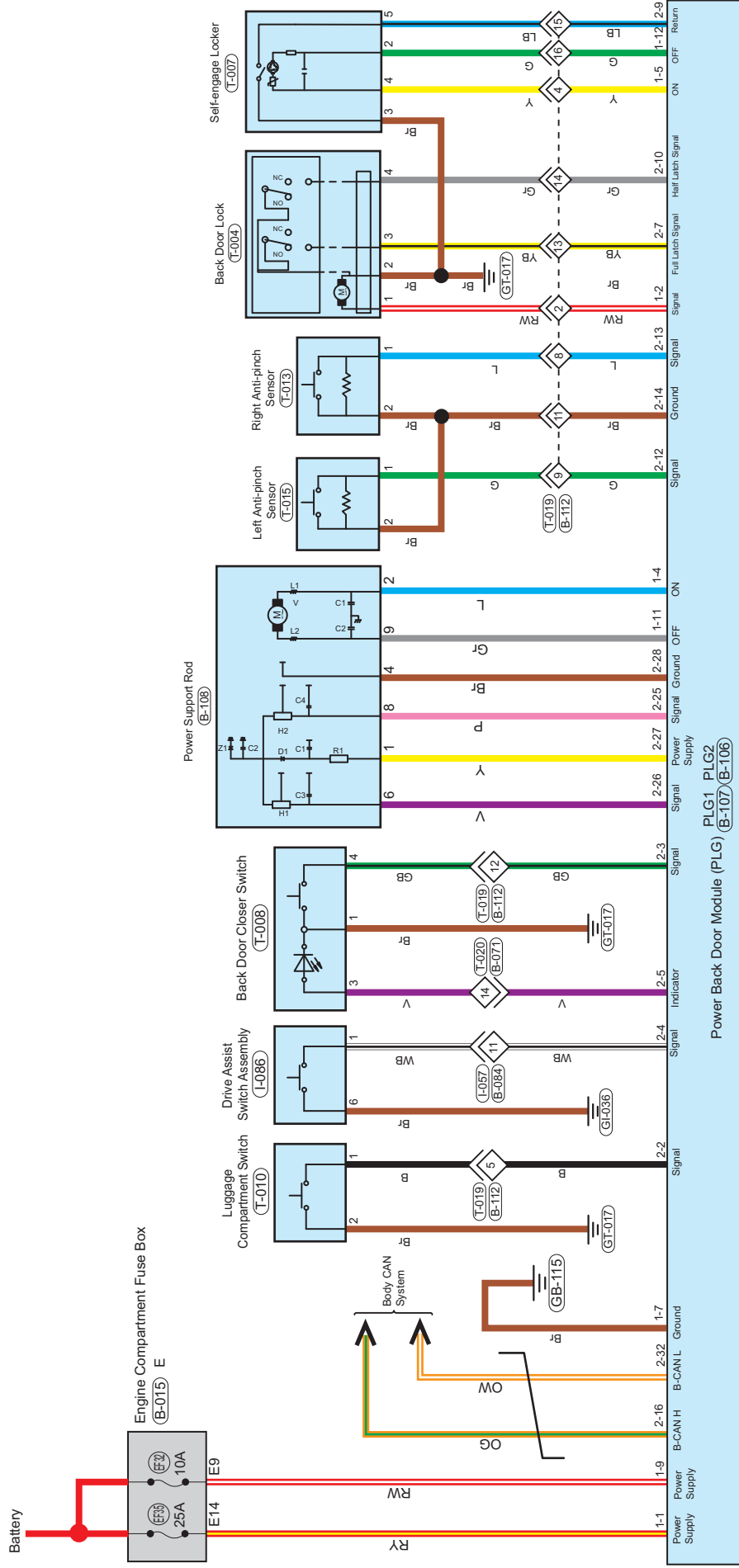
# Seat Control Module (SCU)



EWD067001



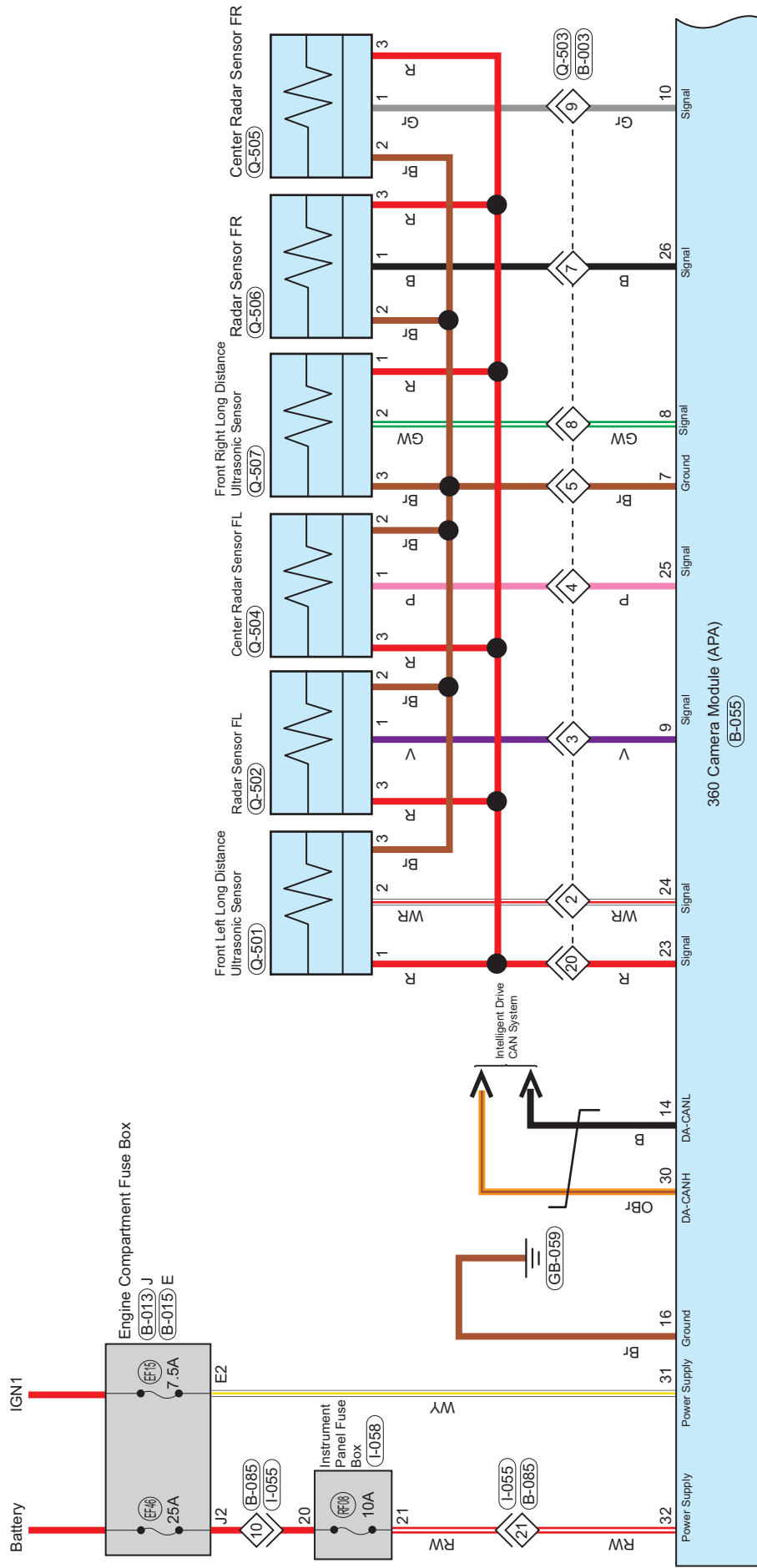
# Power Back Door System (PLG)



EWD068001

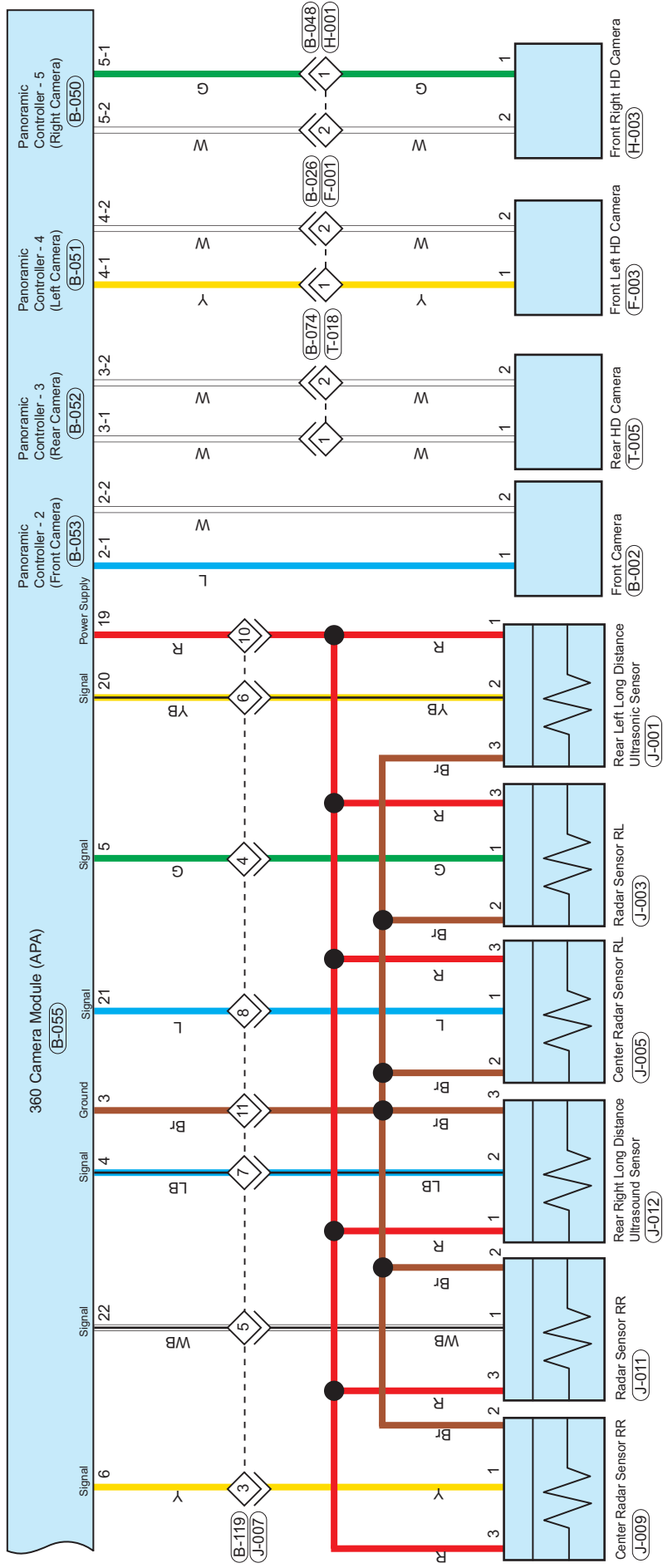


# Panoramic View Monitor System (APA)



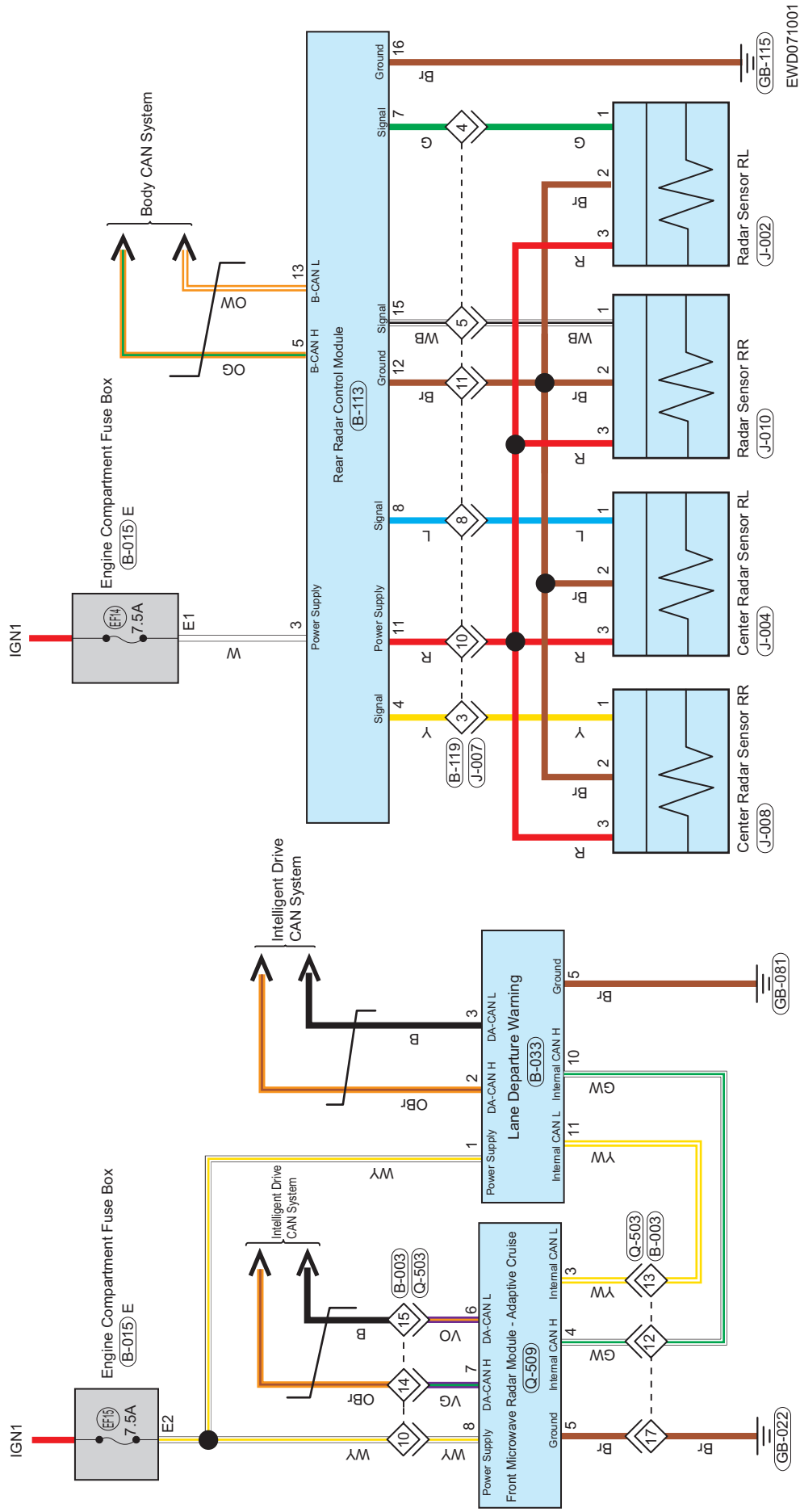
EWD069001

# Panoramic View Monitor System (APA)

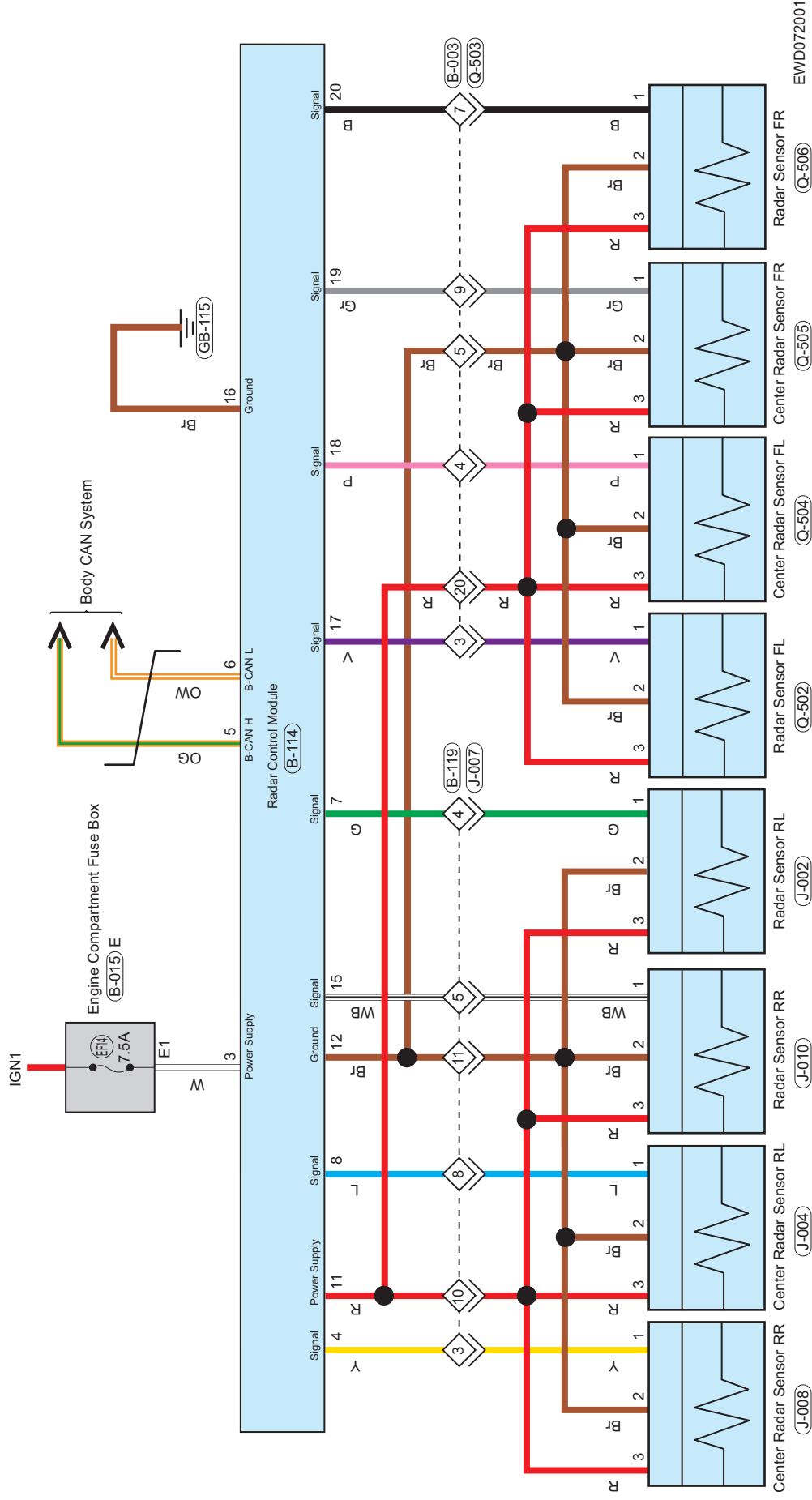


EWD070001

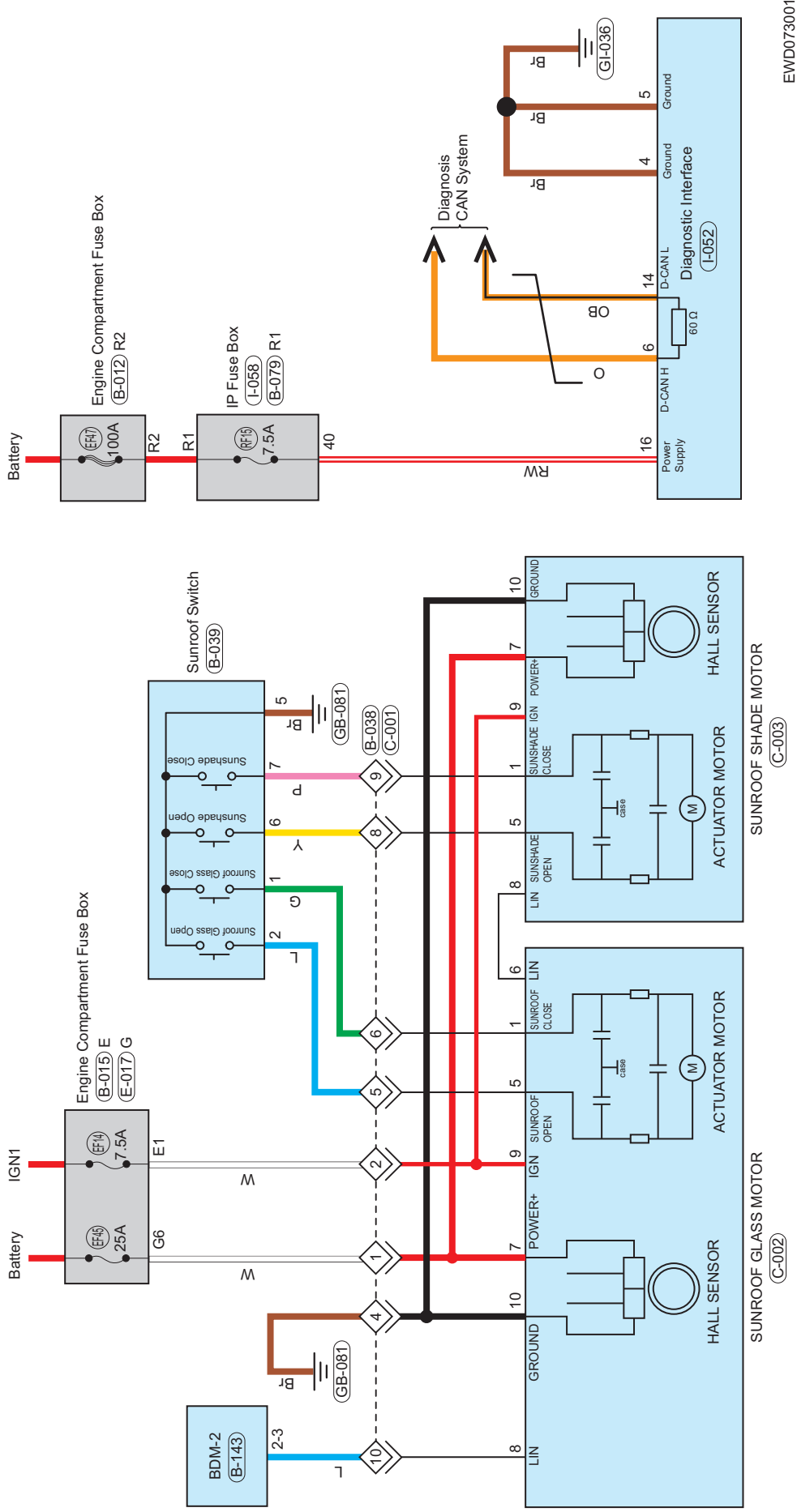
# Front Radar Module (FRM)/Front Camera Module (FCM)/Parking Radar Assist System (4-Sensor)



### Parking Radar Assist System (8-Sensor)

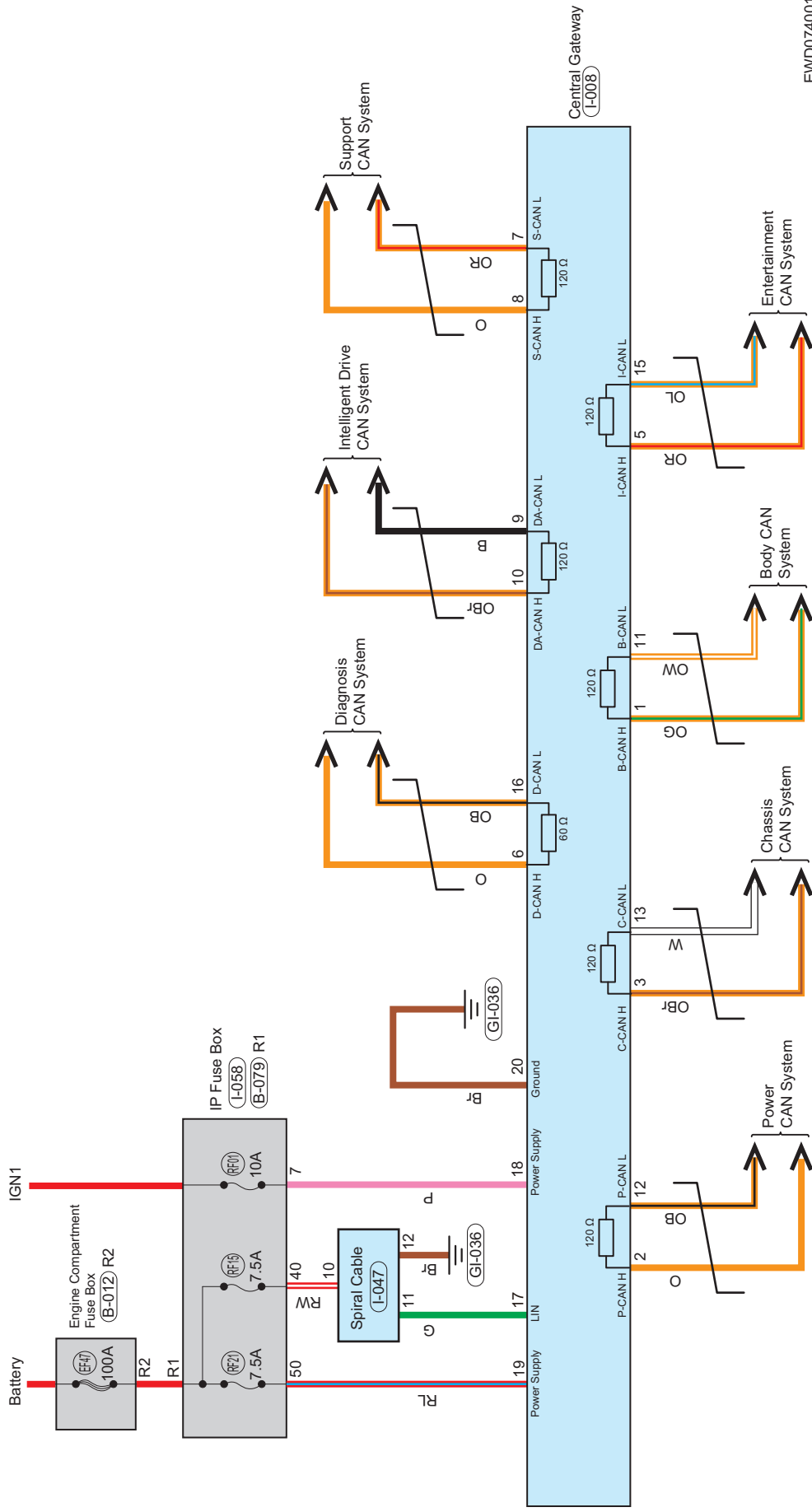


### Sunroof/Diagnostic Interface



EWD073001

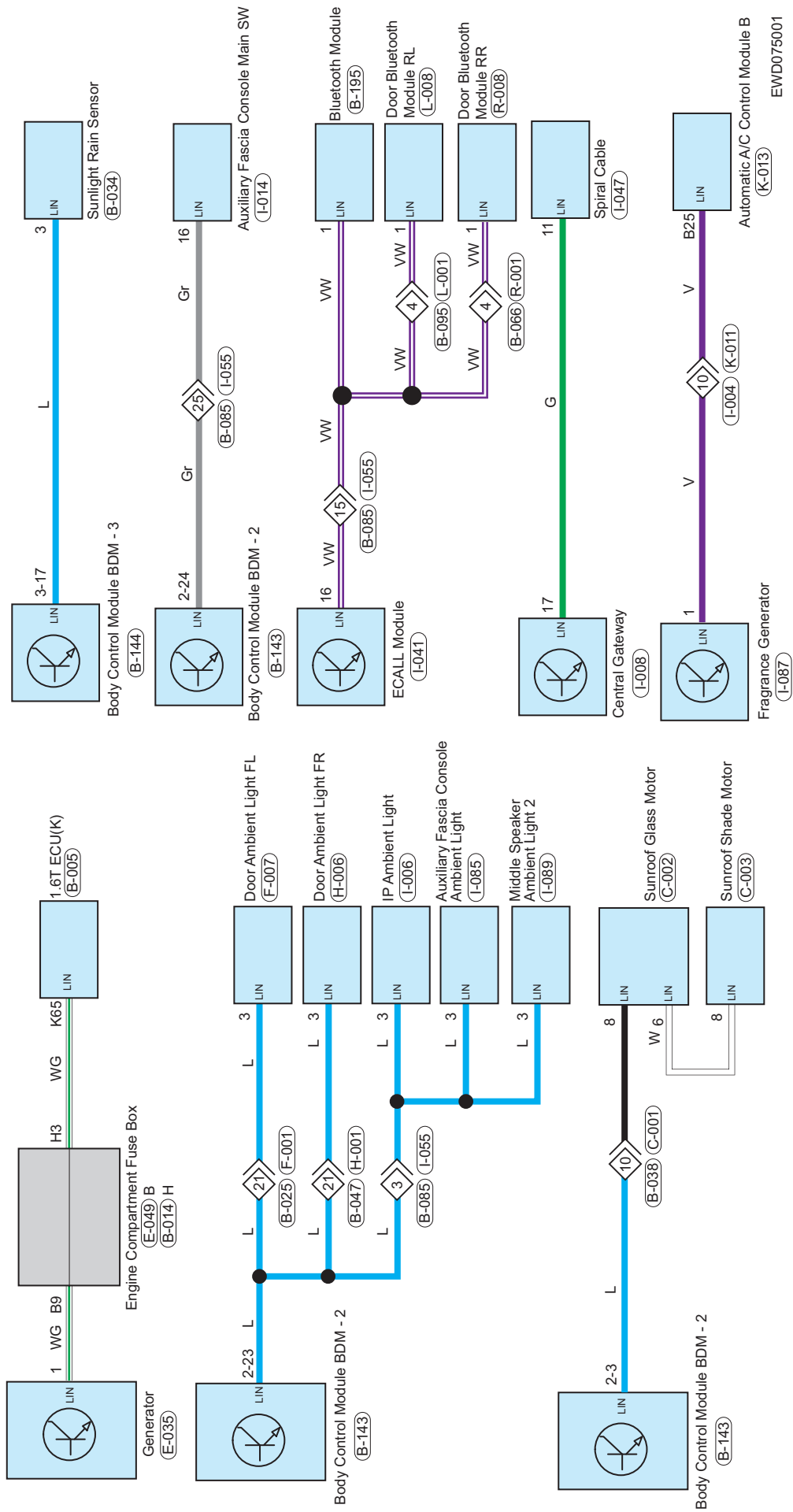
# Central Gateway (CGW)



EWD074001

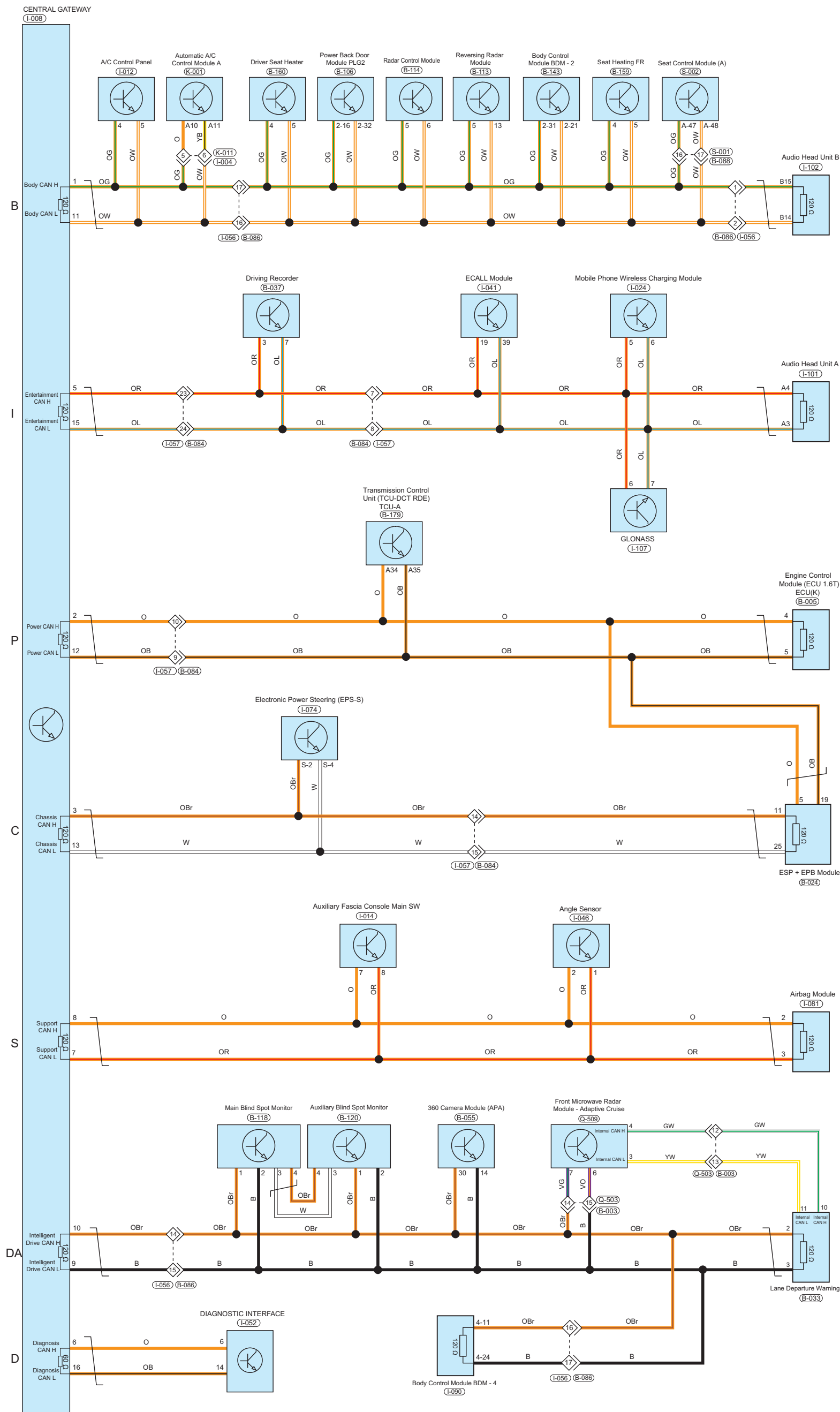
12 - Overall Circuit Diagram

LIN Line





# CAN System



EWD076001