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Introduction

Version and Change Description

| Version Number | Date | Content | Change Content | Applicable Model |
|----------------|-----------|-----------------|----------------|------------------|
| 00 Version | 2023/06/5 | Circuit diagram | / | T22(2.0T) |

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 Symbol 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.

WARNING

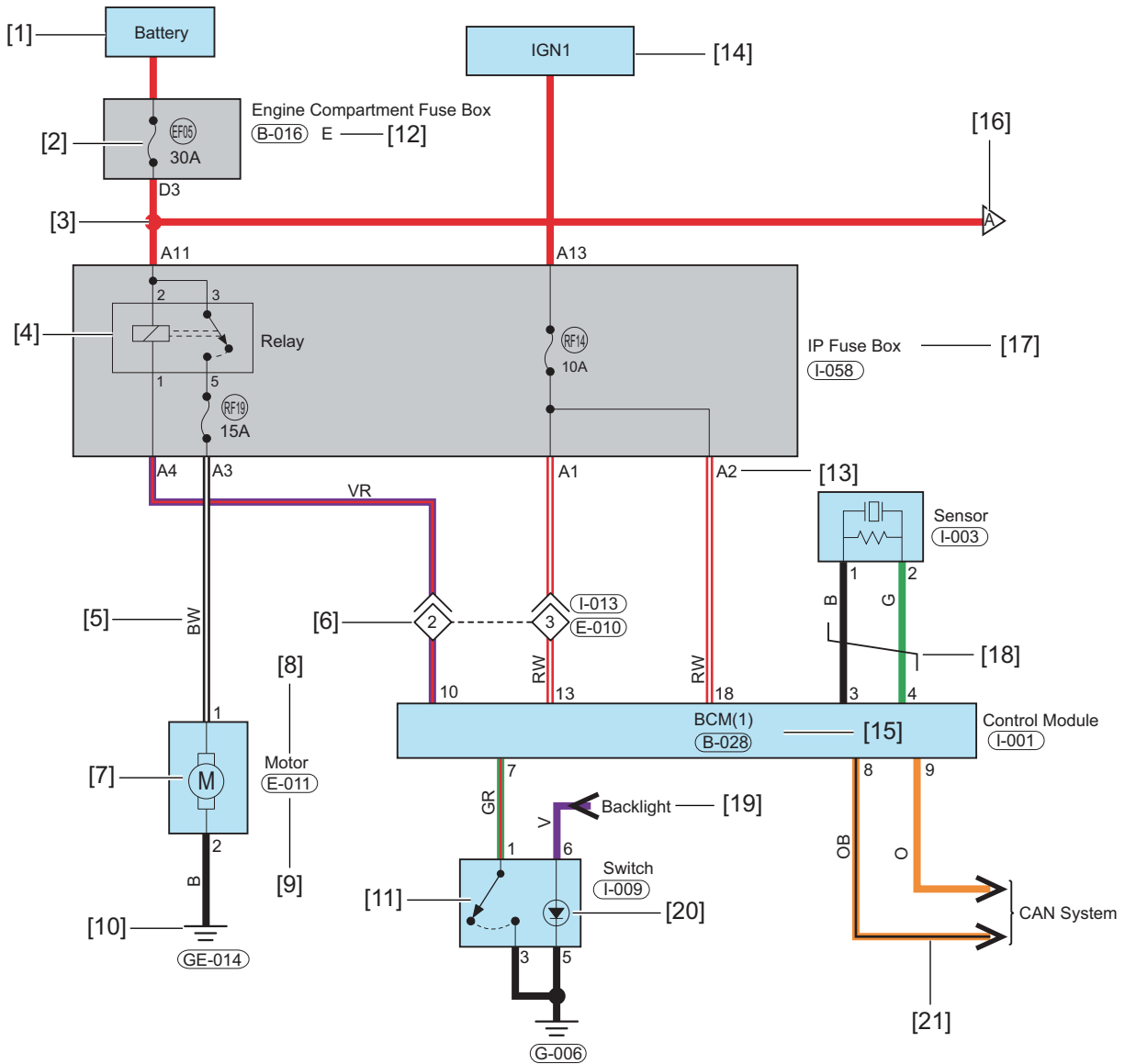
- The information in this manual is about wire harnesses. Information about components and assembly parts is for reference only. Please refer to the related repair manual.

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.



EWD001001

* 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.

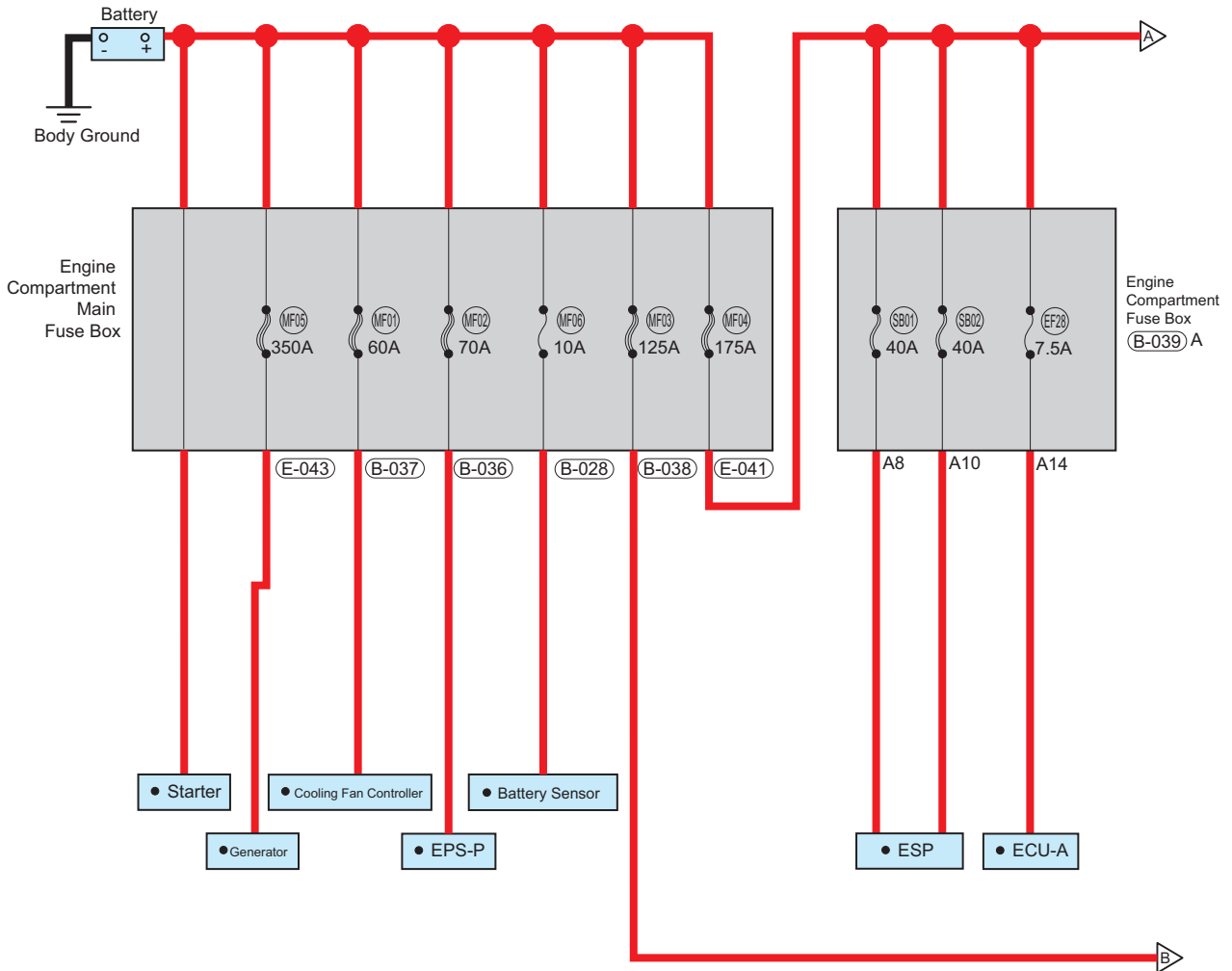
| No. | Definition | Description |
|-----|----------------|---|
| [1] | Battery | Indicates the power supply from positive battery of battery to electrical equipment. |
| [2] | Fuse | This symbol indicates a fuse; "EF05" indicates the fuse number; "30A" indicates the rated current of the fuse. |
| [3] | 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 | "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: 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 |
| [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] | IGN SW | 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



EWD003001


* 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

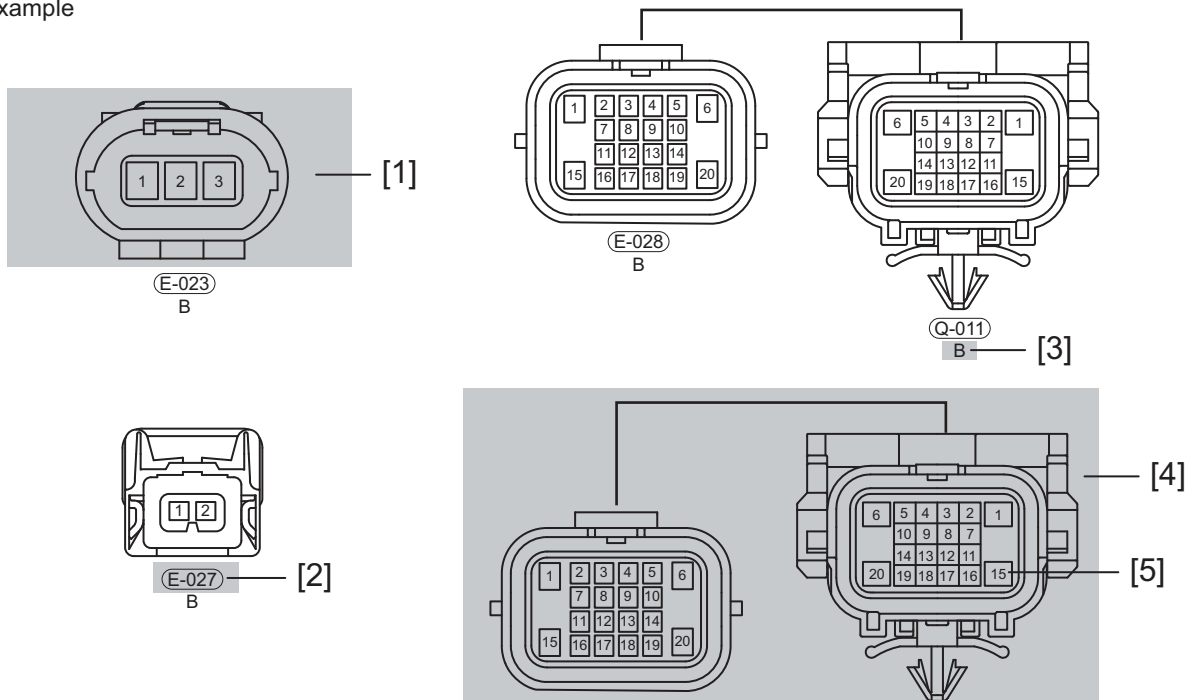
| Ground Position | Physical Graphics |
|--|--|
| <p>Right C-pillar Inner Plate</p> |  |
| <p>The diagram shows a ground point labeled GB-086 connected to a network of wires. A diamond symbol with the number 17 is also present. The components connected are:</p> <ul style="list-style-type: none"> 5 wires to LEFT BLIND SPOT DETECTION MODULE (J-014) 3 wires to RIGHT BLIND SPOT DETECTION MODULE (J-003) 1 wire to REAR FOG LIGHT (J-011) 1 wire to REAR RIGHT COMBINATION LIGHT (BODY PART) (B-089) 1 wire to LUGGAGE COMPARTMENT LIGHT (B-090) 2 wires to 12V POWER SUPPLY SOCKET (B-092) J1-13 to PDC-J1 (B-087) | |

EWD004001

* 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



02

EWD005001

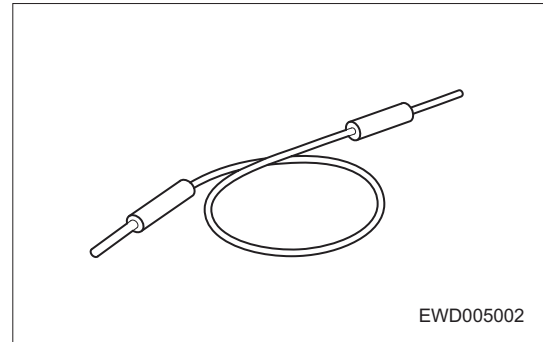
| No. | Definition | Description |
|-----|---------------------------|---|
| [1] | Connector | It indicates the connector connected to the part. (This number indicates the terminal number.) |
| [2] | Connector Code | It indicates the connector code. |
| [3] | Connector Color | It indicates the connector 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: flex-start;"> <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.



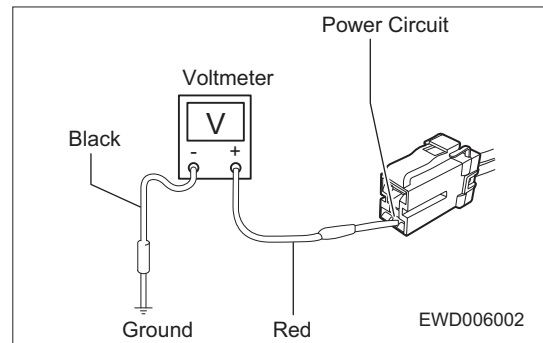
03

WARNING

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

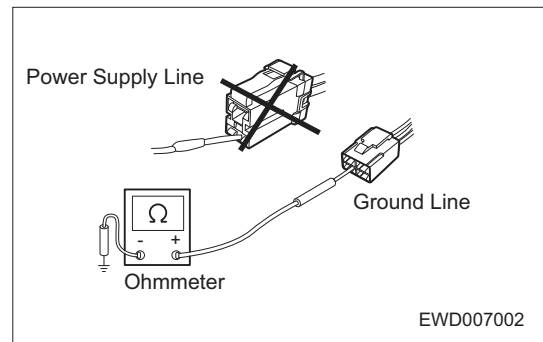
2. Voltmeter

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.

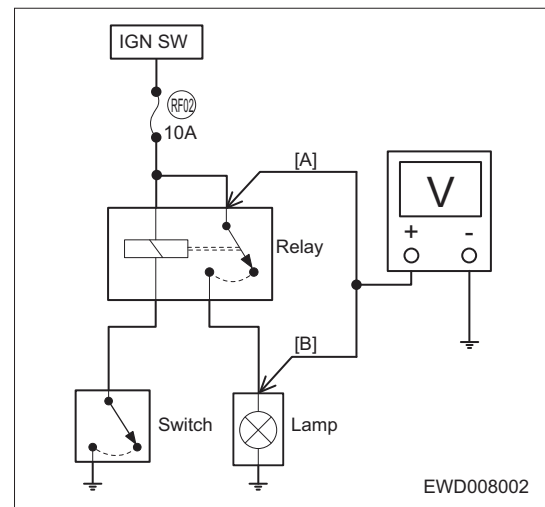
Example:

[A] - Ignition switch ON

[B] - Ignition switch and switch ON

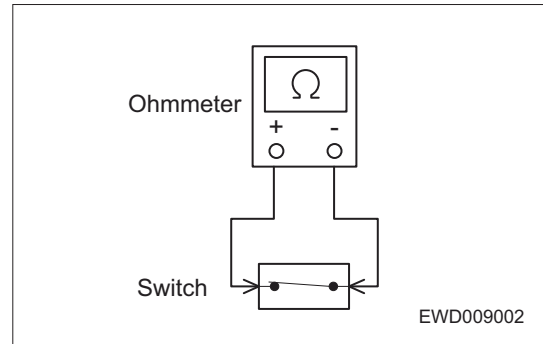
2. Use a voltmeter to connect the negative probe (black) to a good ground point or battery negative terminal, and connect the positive probe (red) to the connector or component terminal.

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



Circuit Continuity Test

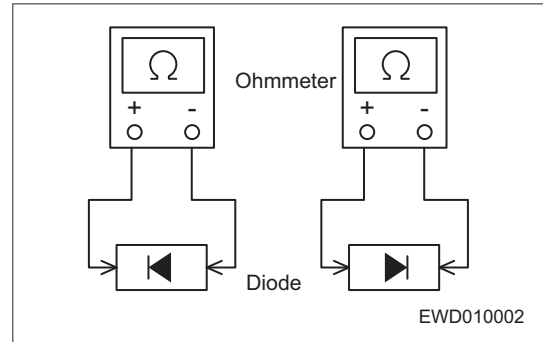
1. Turn off all electrical equipment and the ignition switch, and disconnect the battery negative cable.
2. Remove the tested circuit.
3. Connect the two probes of ohmmeter to both ends of tested circuit, and check the circuit conductivity (small resistance indicates good circuit conductivity).



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.

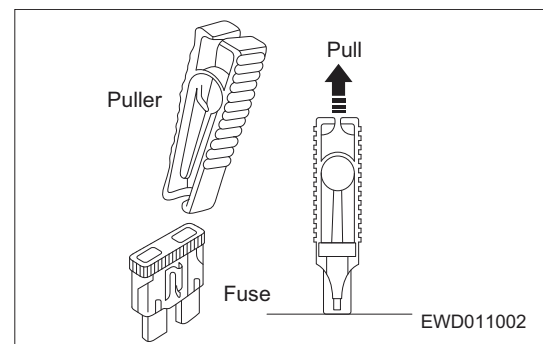
03

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.

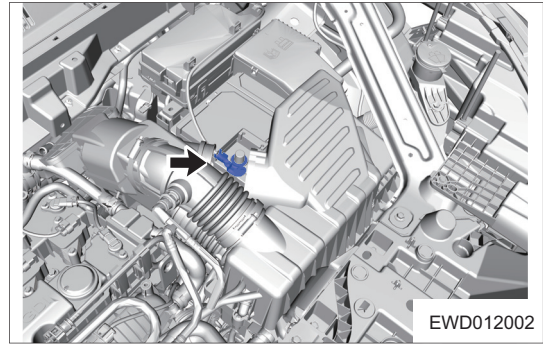
1. Turn off all electrical equipment and ENGINE START STOP switch before repair.
2. Remove the blown fuse with the fuse puller.
3. Replace with a new fuse with same specification.



Electrical Components

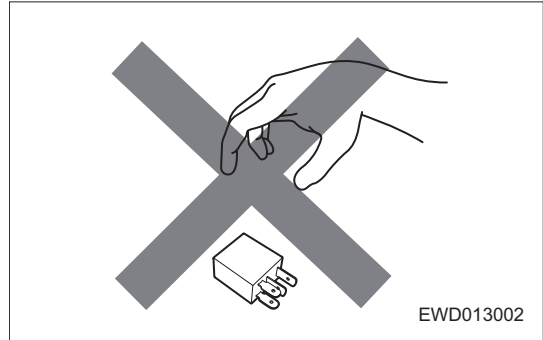
1. Battery cable

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.



03

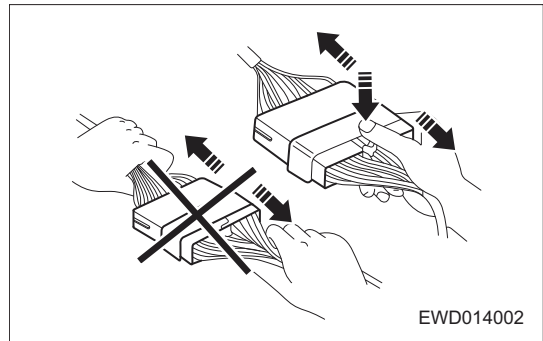
WARNING

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

3. Connector

a. Disconnect the connector.

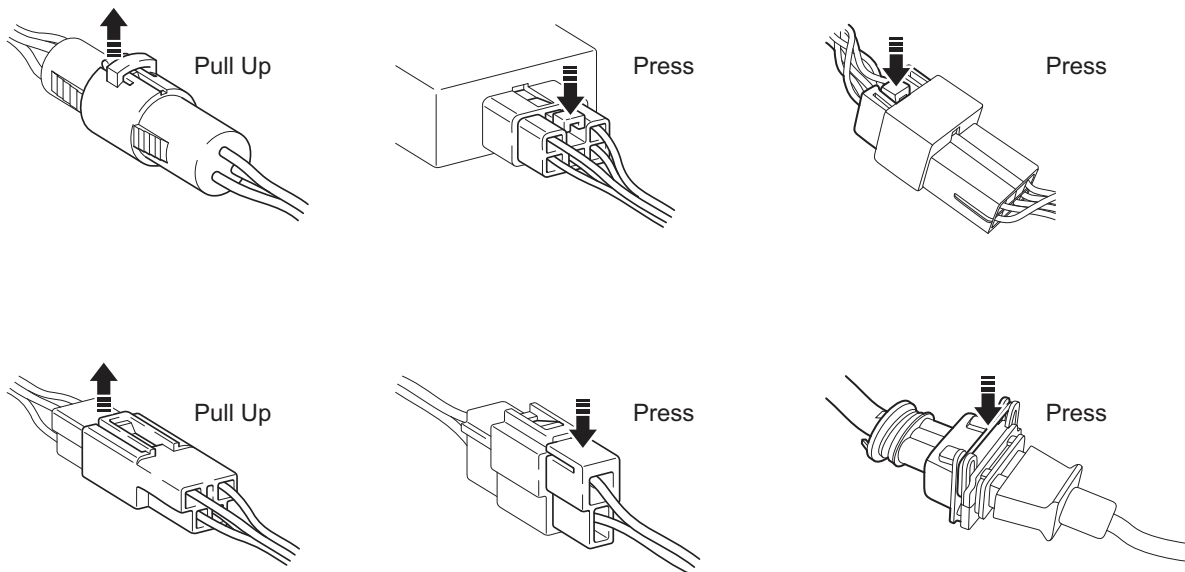
To pull away from the connector, pull on the connector itself and press the connector clip to disconnect it.



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.

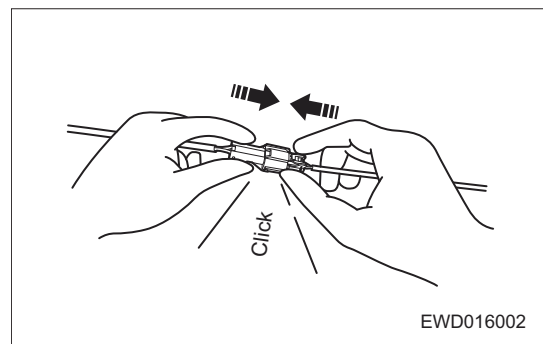


03

EWD015002

b. Install the connector.

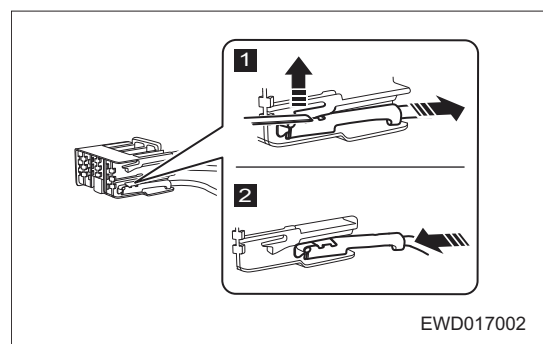
When the connector is installed in place, a "click" is heard.



EWD016002

c. Replace the connector terminal.

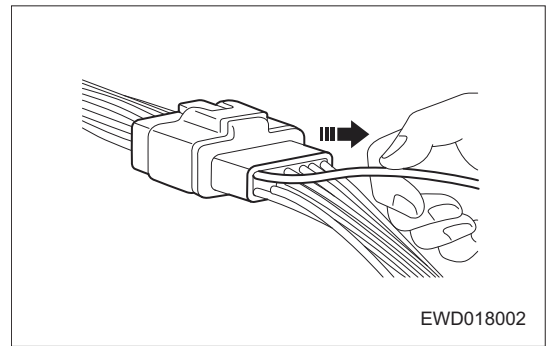
As shown in figure (1), insert appropriate tool into the terminal to lift fixing clip, and then pull out terminal from back side. As shown in figure (2), push the terminal from back of connector to ensure that fixing clip is installed in place.



EWD017002

d. Check the connector terminal.

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




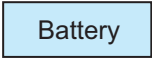

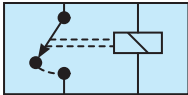
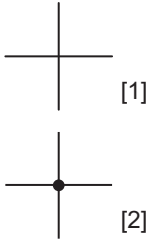

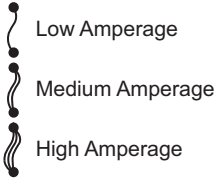
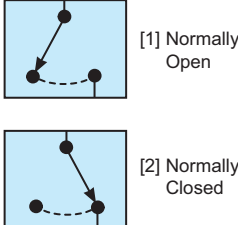


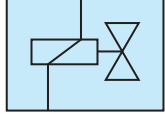
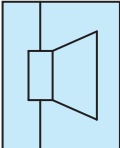

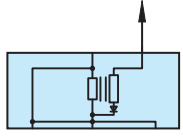

Abbreviation

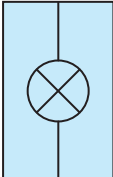

This manual uses the following abbreviations.

| Abbreviation | Terms |
|--------------|--|
| A | A |
| ACM | Airbag Control Module |
| ACP | Audio Control Panel |
| AIPM | Central Control Integration Panel |
| AVM | Panoramic View Monitor System |
| AWD | AWD Module |
| BCM | Body Control System |
| BSDL | Left Side Blind Spot Detection System |
| BSDR | Right Side Blind Spot Detection System |
| CCPR | Rear A/C Control Panel |
| CLM | Automatic A/C Module |
| CLMR | Automatic A/C Rear Module |
| CWC | Wireless Charging Module |
| DCM | Door Control Module |
| DMC | Information Entertainment Domain Controller |
| DVR | Driving Recorder |
| EGS | Electronic Shift Module |
| EMS | Engine Management System |
| EPS | Electric Power Steering System |
| ESP (iEPB) | Electronic Driving Stability Control Module (Integration Electric Parking Brake) |
| FCM | Front Camera Module |
| FPC | Fuel Pump Controller |
| FRM | Front Radar Module |
| HUD | Head Up Display Module |
| PDC | Reverse Distance Assist System |
| PEPS | Passive Entry and Passive Start Module |
| PLG | Power Back Door Module |
| RLS | Sunlight Rain Sensor |
| SCM | Steering Column Module |
| SCU | Seat Control Module |

| Abbreviation | Terms |
|--------------|---|
| TCU | Transmission Control Unit |
| TGW | Remote Communication Gateway |
| VGW | Vehicle Gateway Module |
| APA | Full Automatic Parking Assist System |
| FIC | Volume Control Panel |
| ONEBOX | ONEBOX Electric Wired Braking System |
| CSA | Combination Switch Assembly |
| EGW | Ethernet Gateway Controller |
| CGW | Central Gateway Module |
| CP25 | Smart Driving Domain Controller |
| ASU | Automatic Suspension Control Module |
| CPD | Child Presence Detection |
| EAMP | Power Amplifier |
| CVBOX | Vision Controller |
| NFC | Short Range Wireless Communication Module |

Terms and Symbols Table

| | | | |
|--|--|--|--|
|   | <p>Battery</p> <p>Store chemical energy and convert it into electrical energy.</p> <p>Provide direct current for various circuits.</p> |  | <p>Ground</p> <p>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>Relay</p> <p>Generally, an electronically operated switch that can be normally closed or opened.</p> <p>Current flowing through small coil generates a magnetic field that can open or close contact switch.</p> |  | <p>Wire harness</p> <p>Wire harness is always represented by a straight line on circuit diagram.</p> <p>If there is no black dot at the intersection, it indicates that it is not connected;</p> <p>A black dot at the intersection indicates a cross connection.</p> |
|  | <p>Motor</p> <p>A power device that converts electrical energy into mechanical energy, especially rotational motion.</p> |  | <p>Fuse</p> <p>A metal sheet that fuses when excess current passes through, blocking current to prevent damage to circuit.</p> |
|  | <p>Switch</p> <p>Therefore, open and close circuit, stop [1] or allow [2] to be energized.</p> |  | <p>Twisting</p> <p>The two wire harnesses are twisted together and used to transmit signals.</p> |
|  | <p>Speaker</p> <p>The utility model relates to an electromechanical device which can generate sound waves by using current.</p> |  | <p>Solenoid valve</p> <p>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>Horn</p> <p>An electronic device that can send high-frequency audio signals.</p> |  | <p>LED (Light Emitting Diode)</p> <p>Light emitting diodes also use current to light. Compared with ordinary light, they do not generate heat when lighting.</p> |
|  | <p>Ignition Coil</p> <p>Convert low-voltage DC current into high-voltage ignition current to ignite spark plug.</p> |  | <p>Resistor</p> <p>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> |
|---|--|---|--|

Fuse and Relay Information

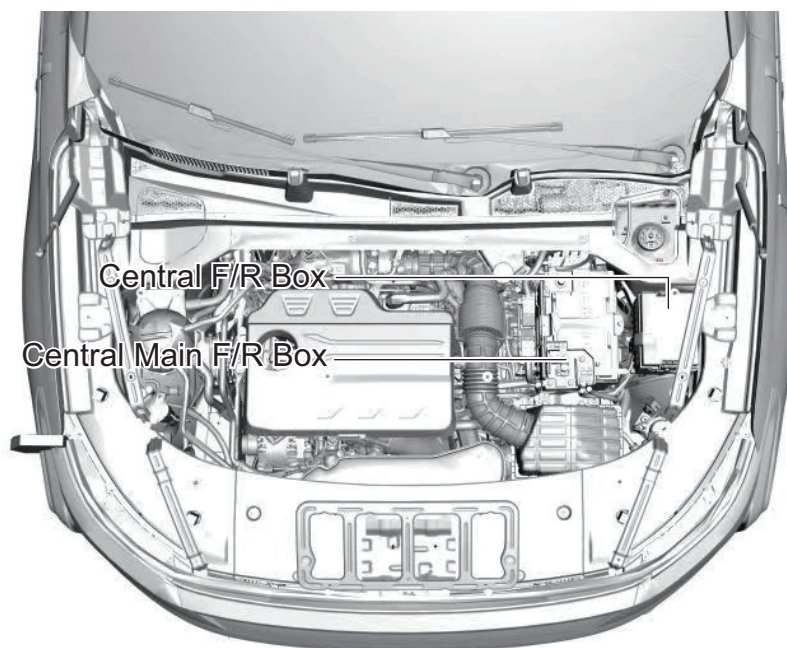
General Information

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

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

Central Main Fuse and Relay Box and Central Fuse and Relay Box

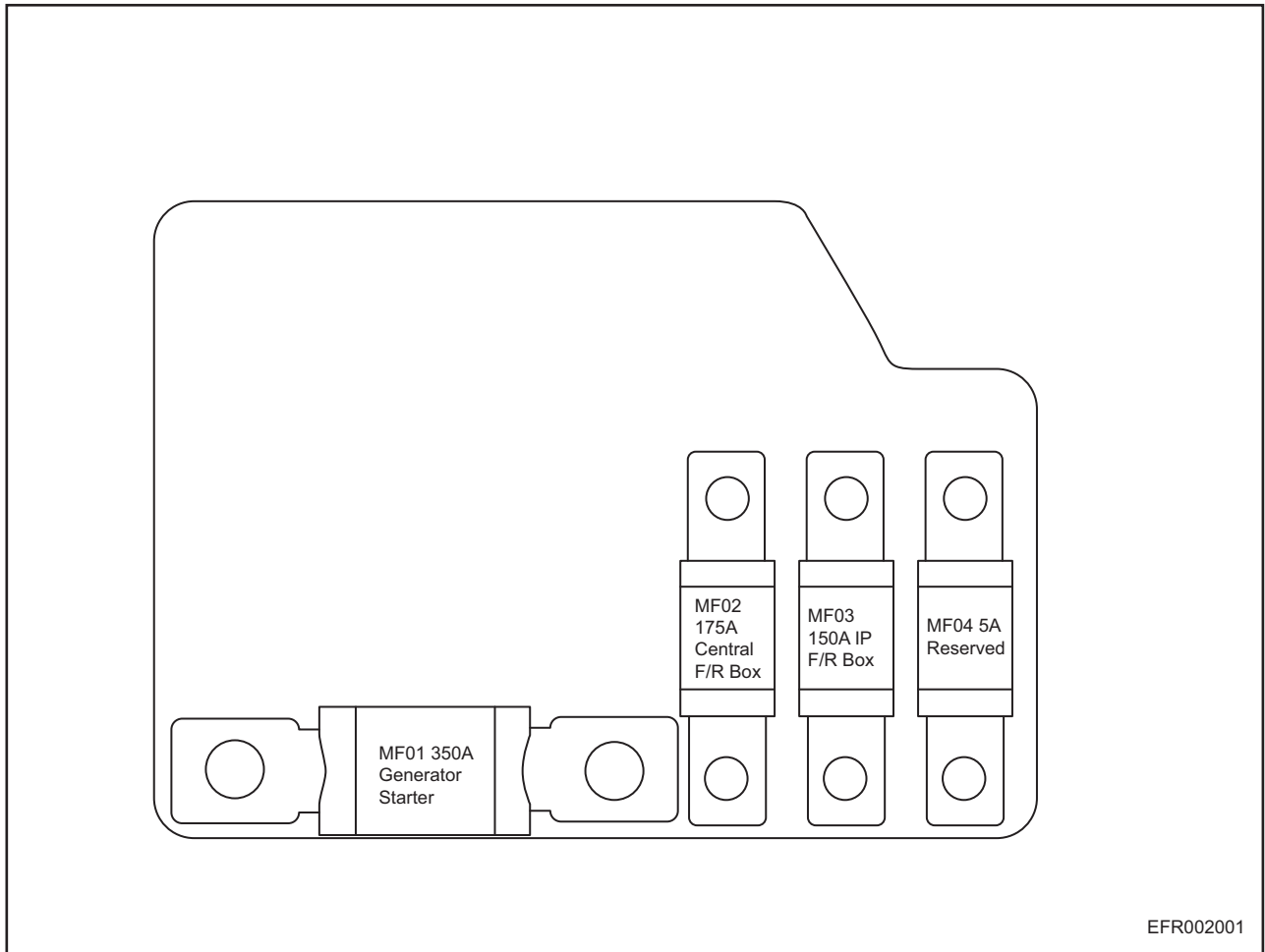
Central Main Fuse and Relay Box and Central Fuse and Relay Box Position



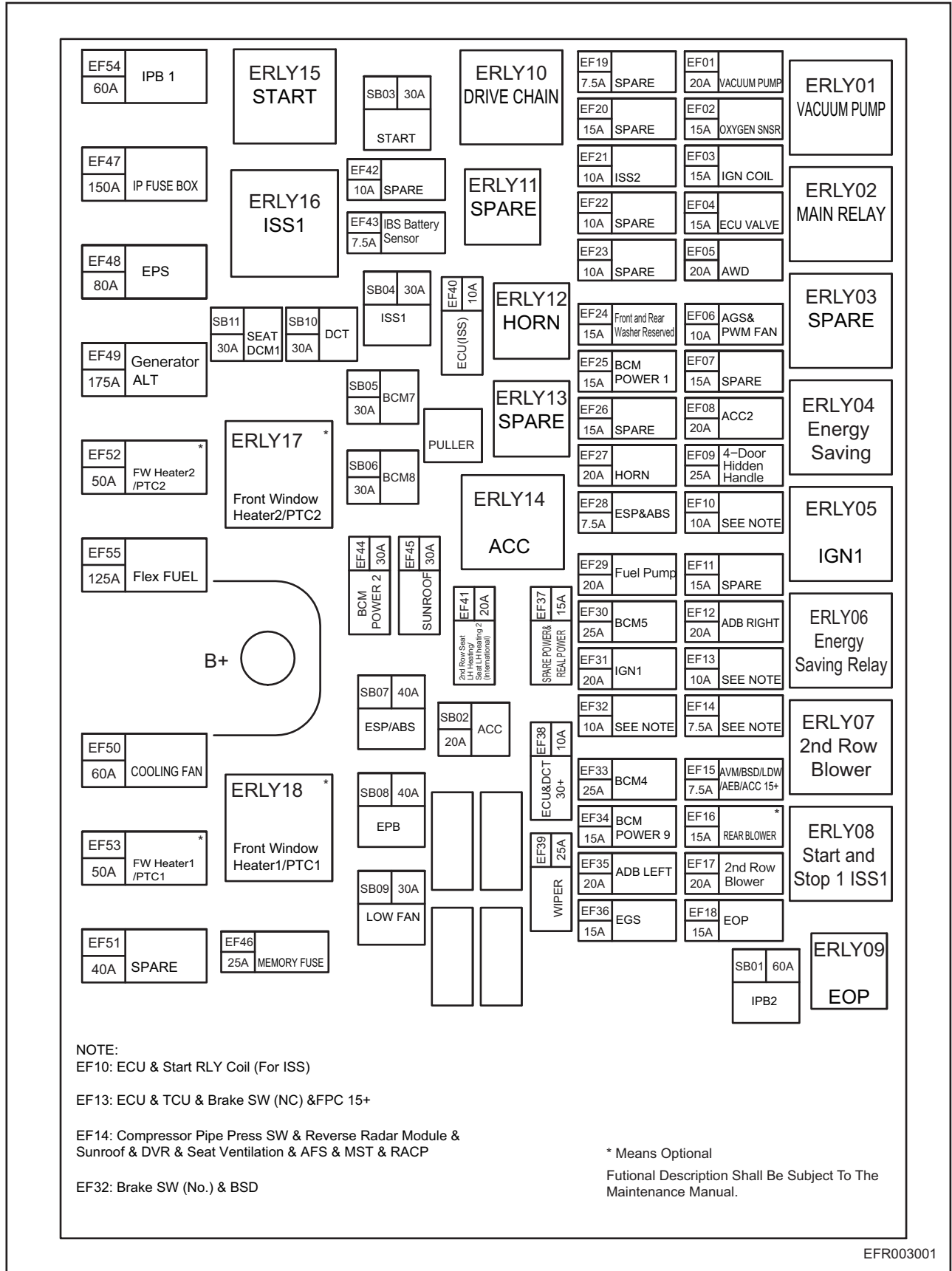
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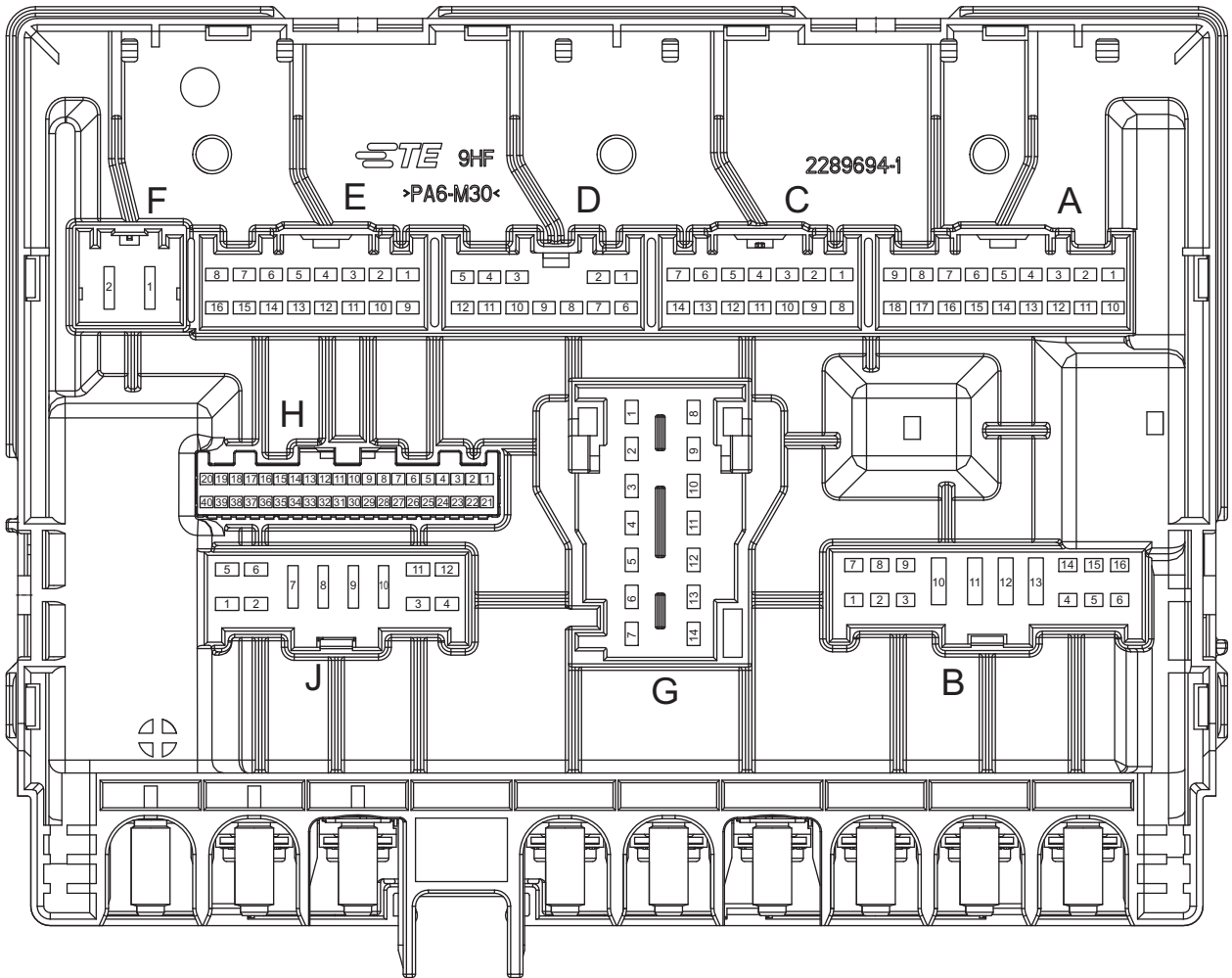
Central Main Fuse and Relay Box Layout Details



Central Fuse and Relay Box Layout Details



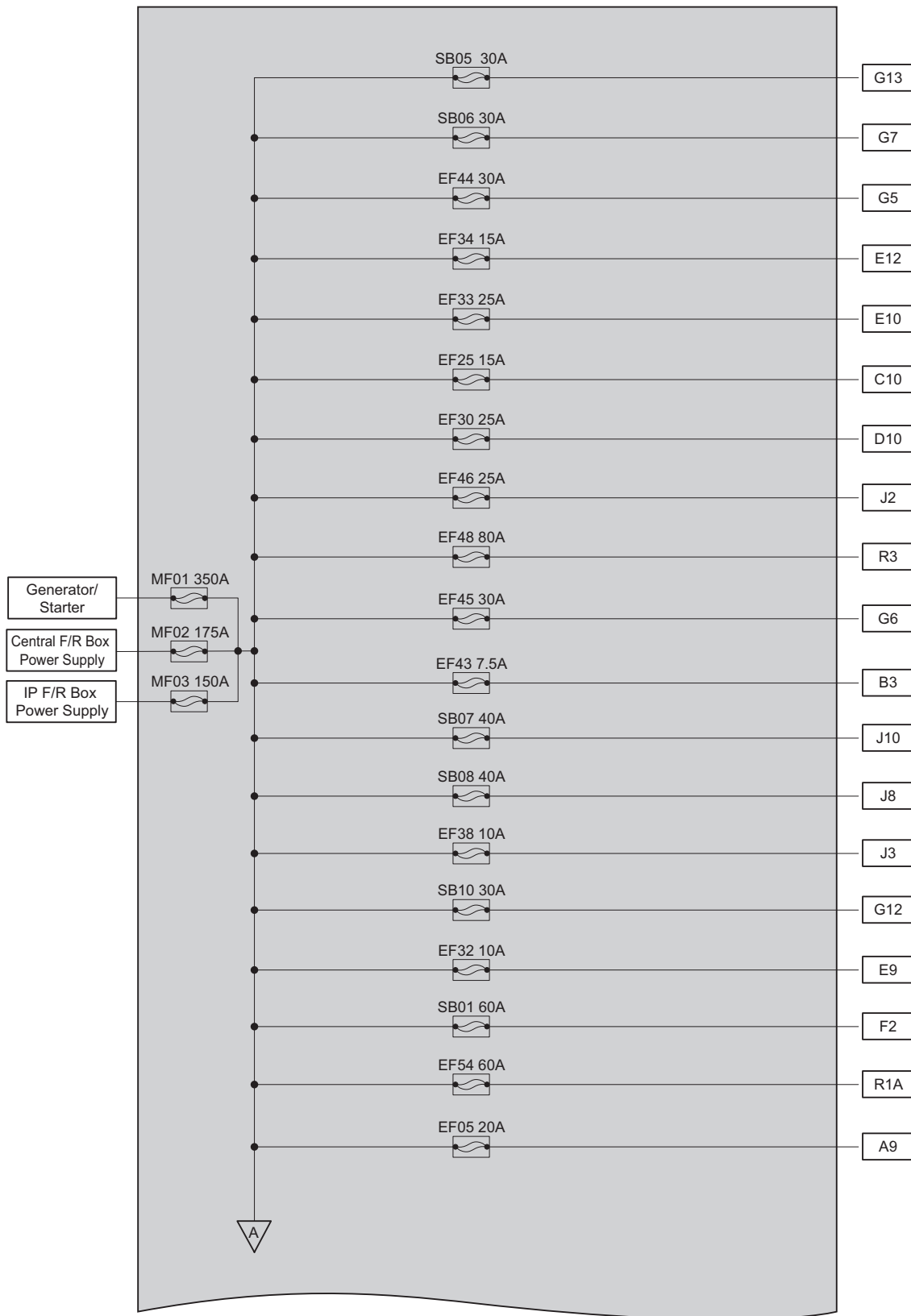
Central F/R Box Front View



06

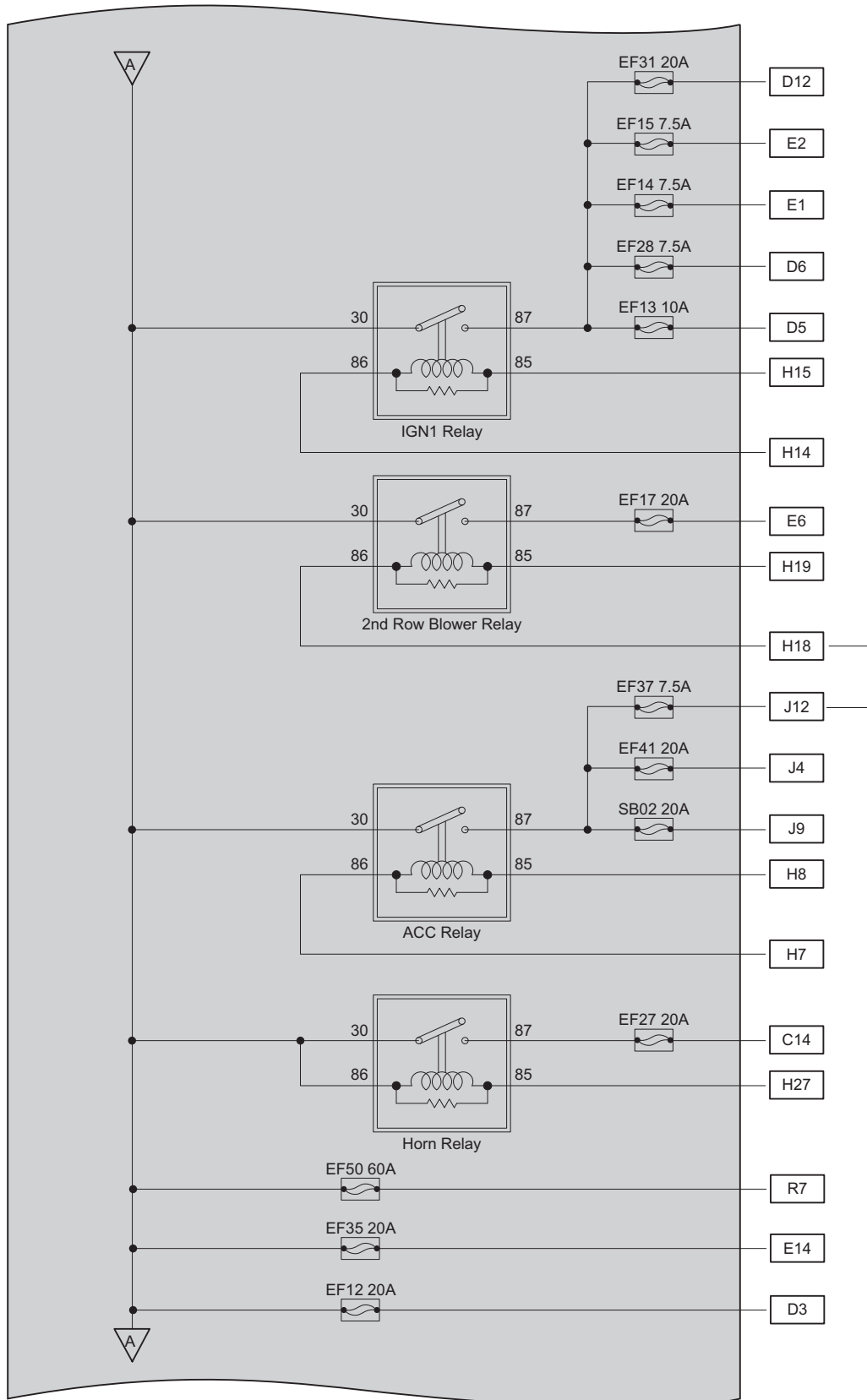
EFR004001

Central Main Fuse and Relay Box and Central Fuse and Relay Box Internal Circuit



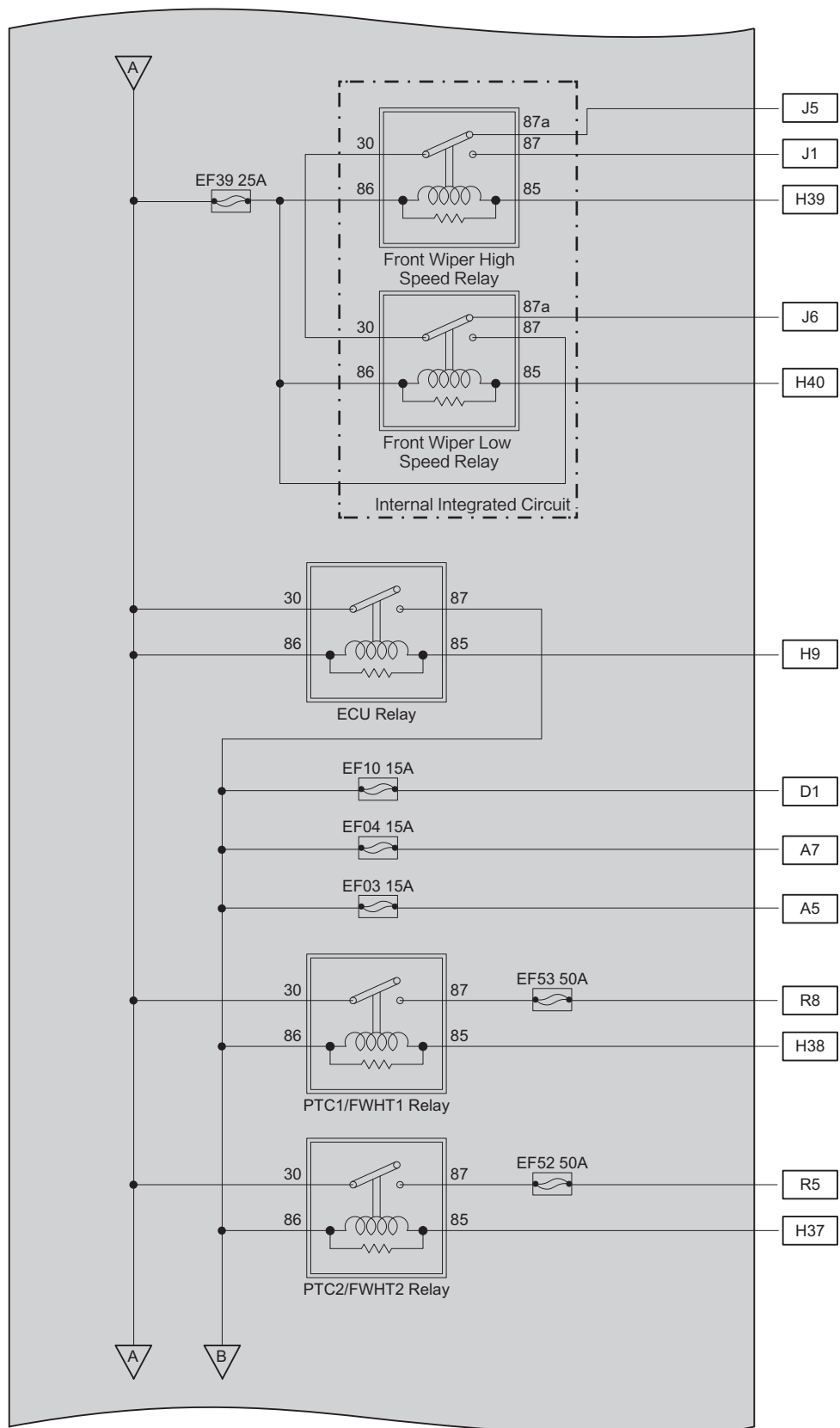
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EFR005001

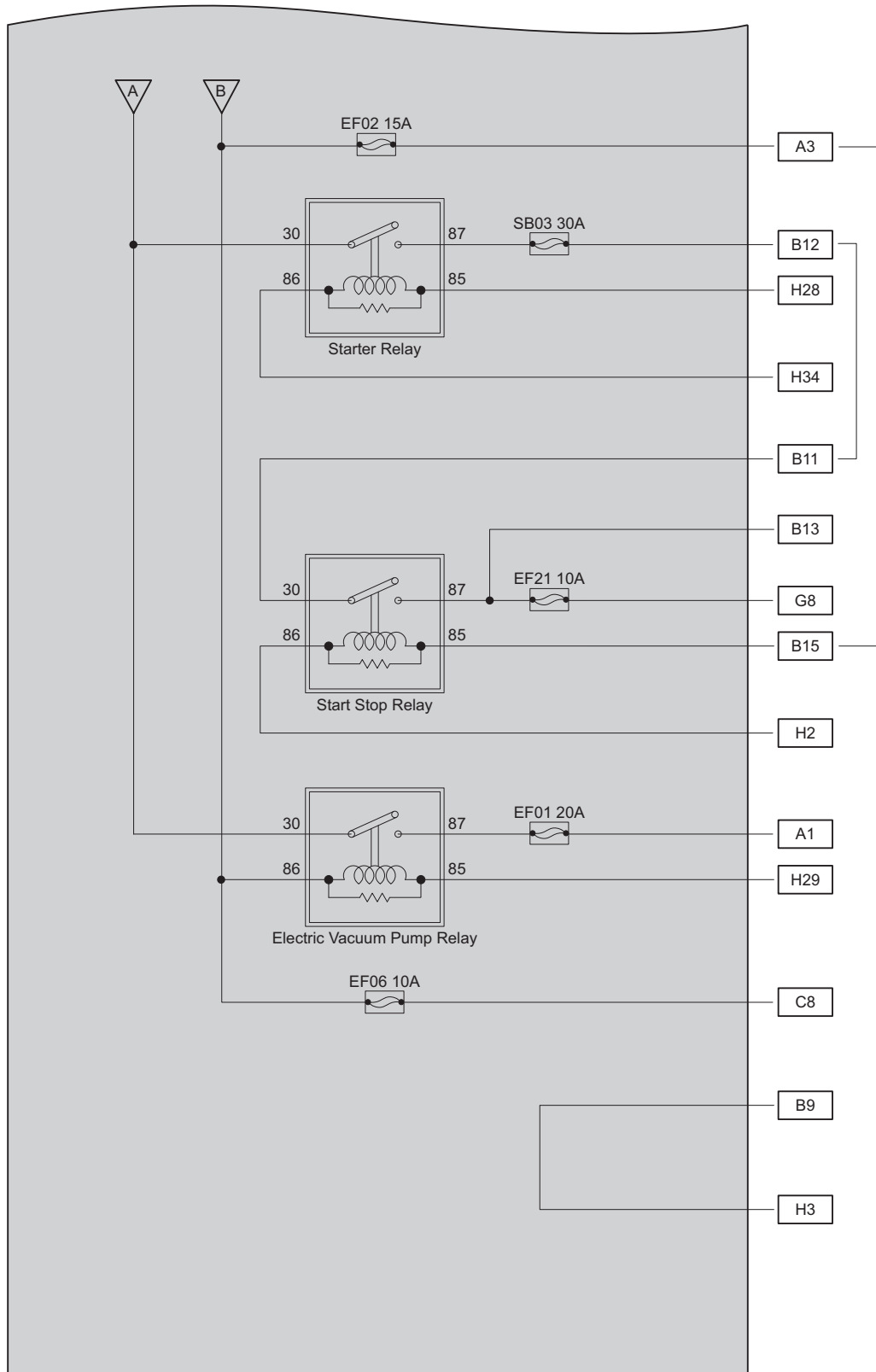


EFR006001

06



EFR007001

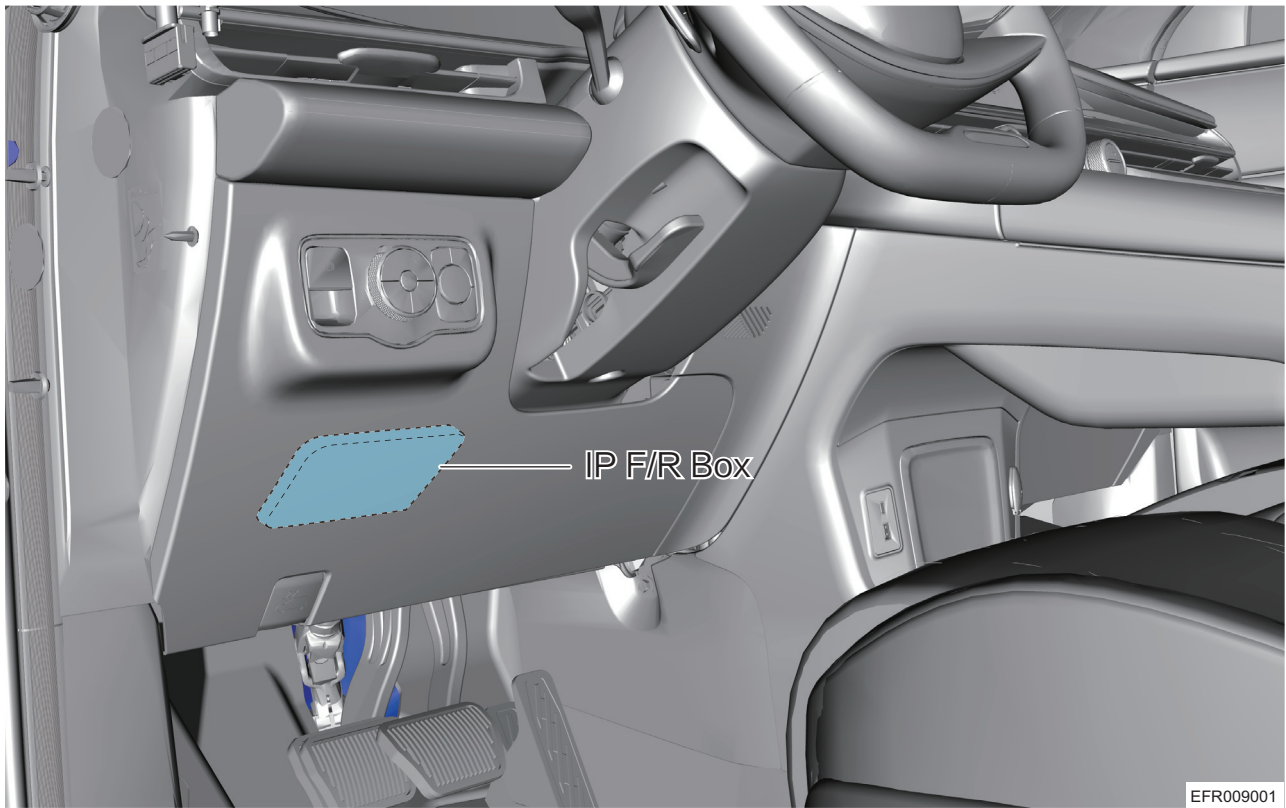


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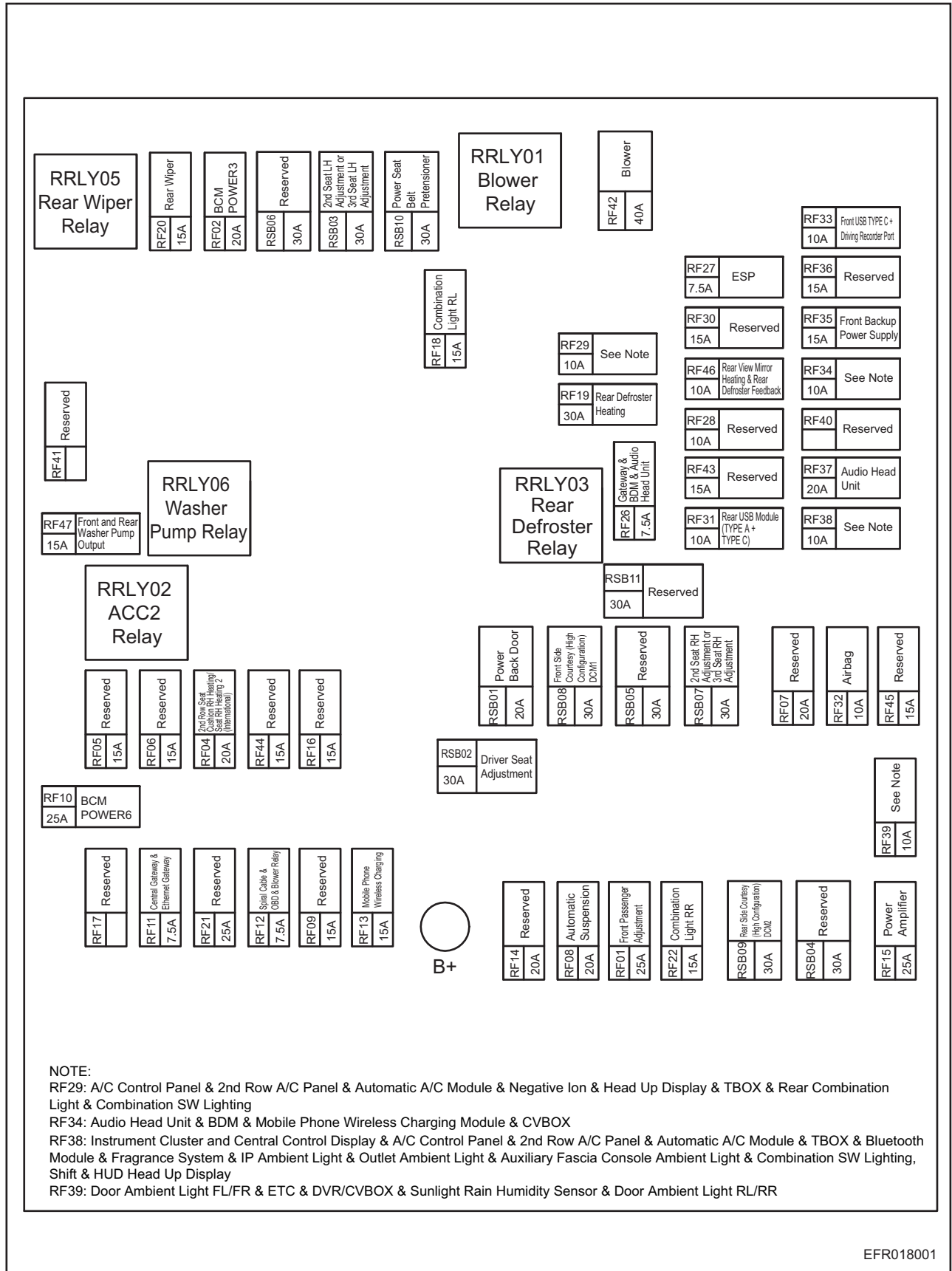
EFR008001

Instrument Panel Fuse and Relay Box

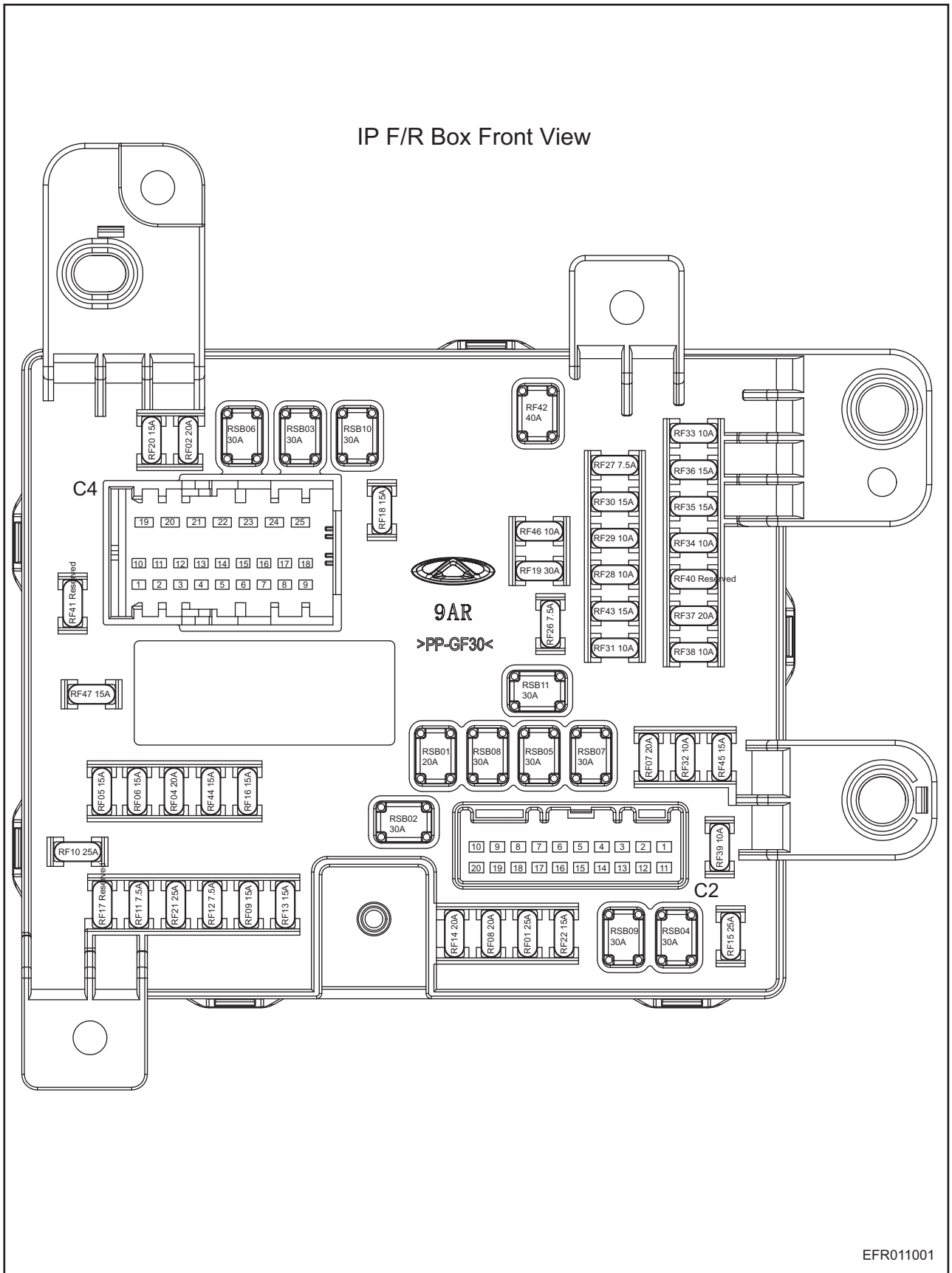
Instrument Panel Fuse and Relay Box Position



Instrument Panel Fuse and Relay Box Layout Details

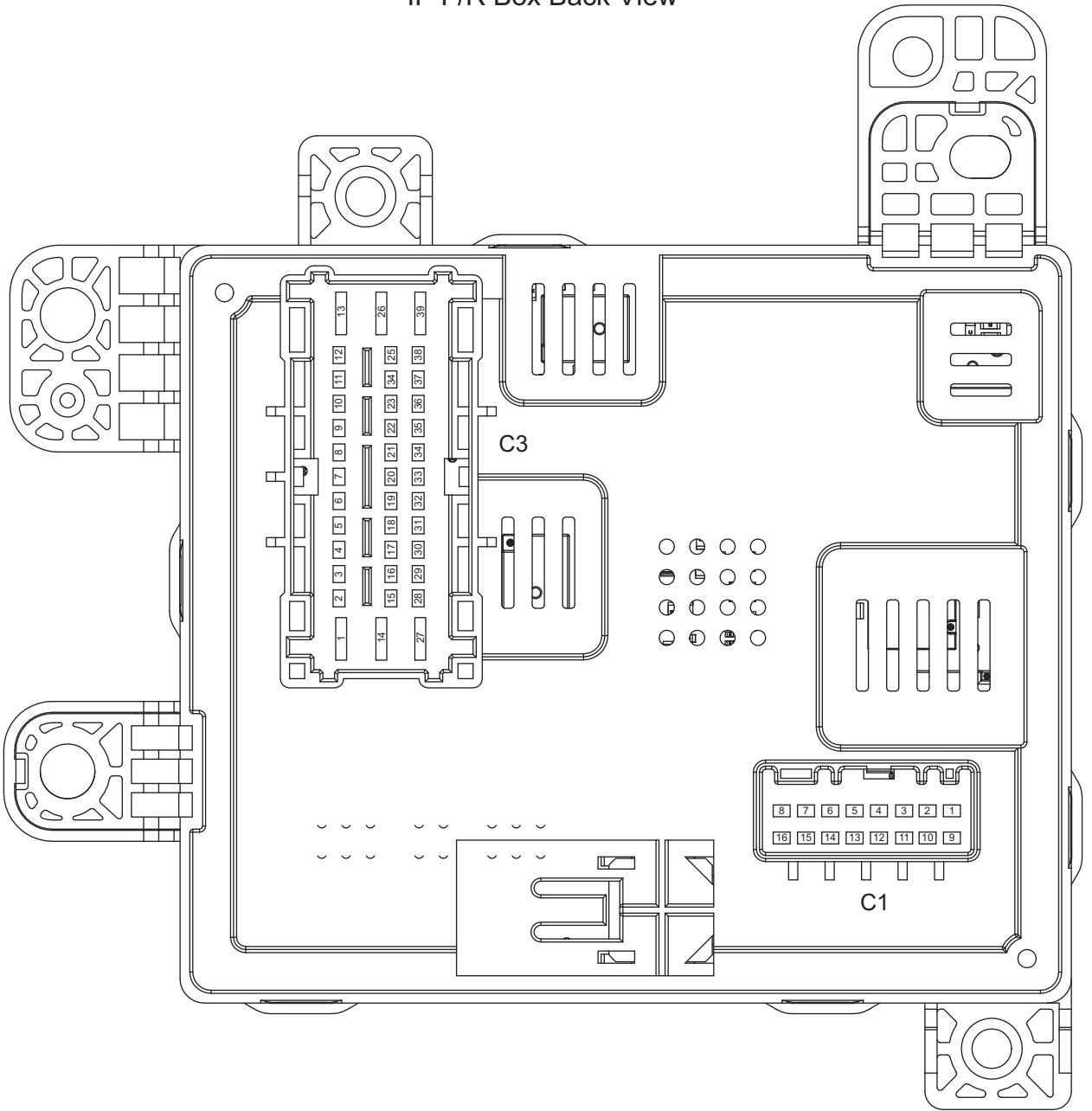


IP F/R Box Front View



EFR011001

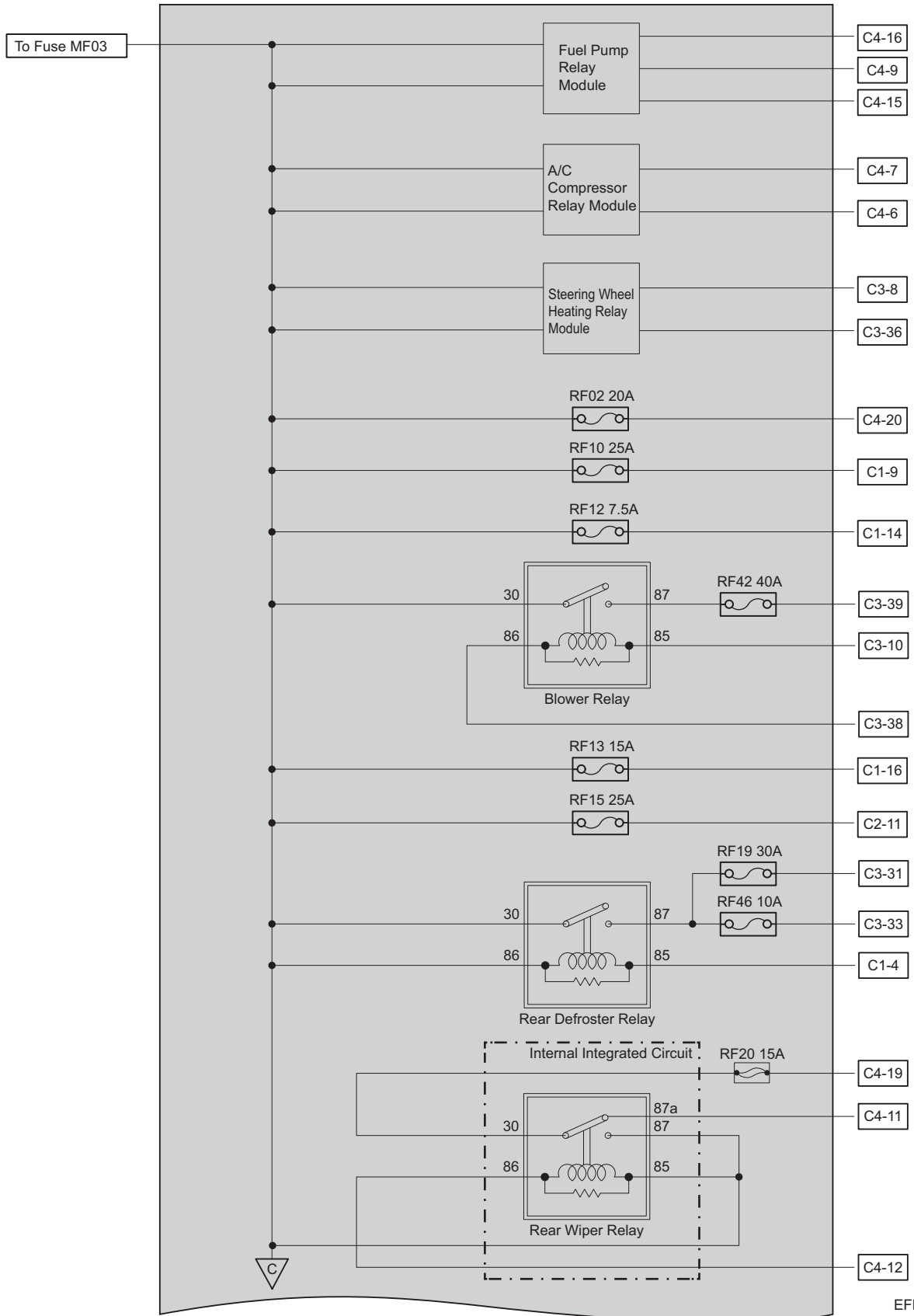
IP F/R Box Back View



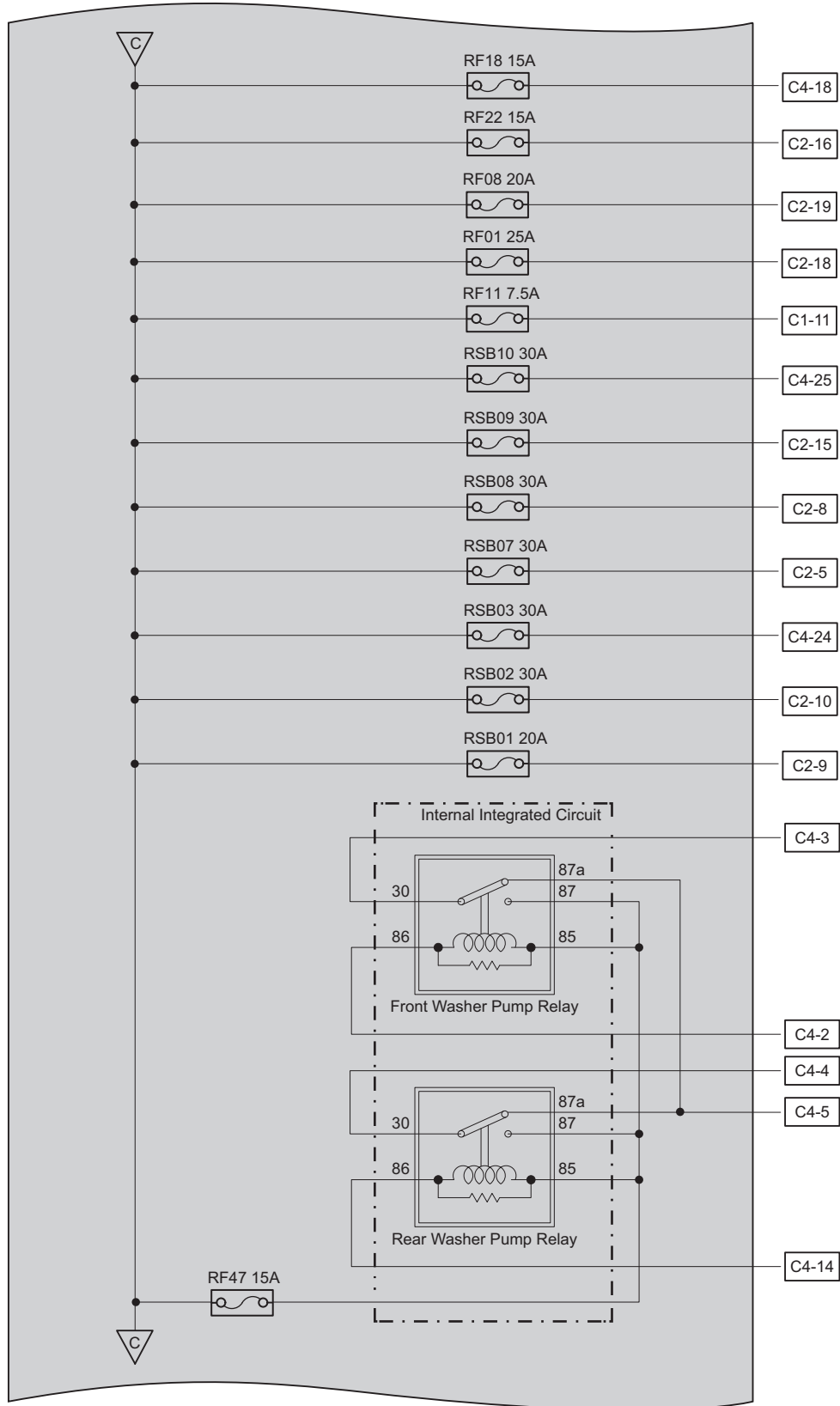
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EFR012001

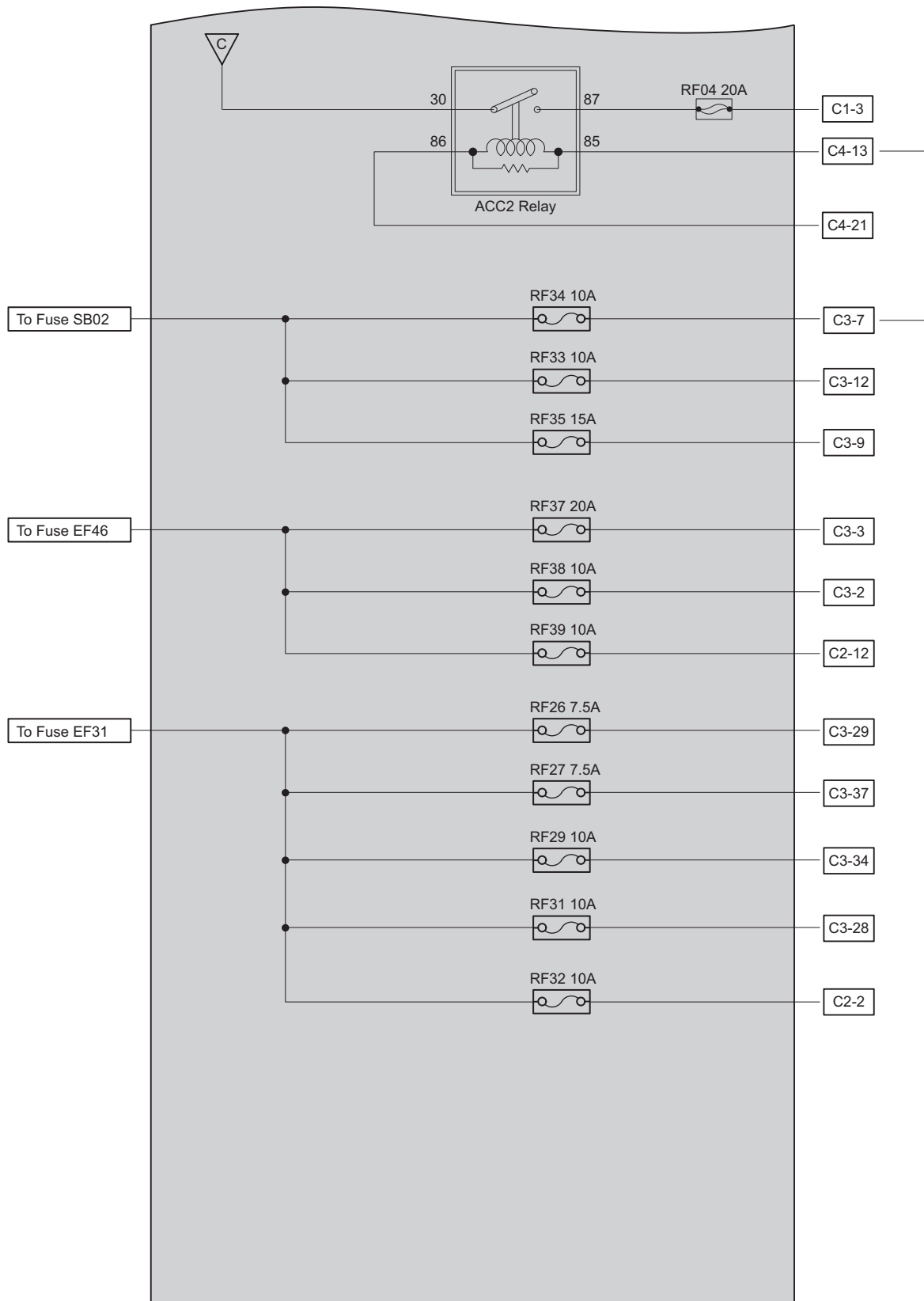
Instrument Panel Fuse and Relay Box Internal Circuit



EFR013001



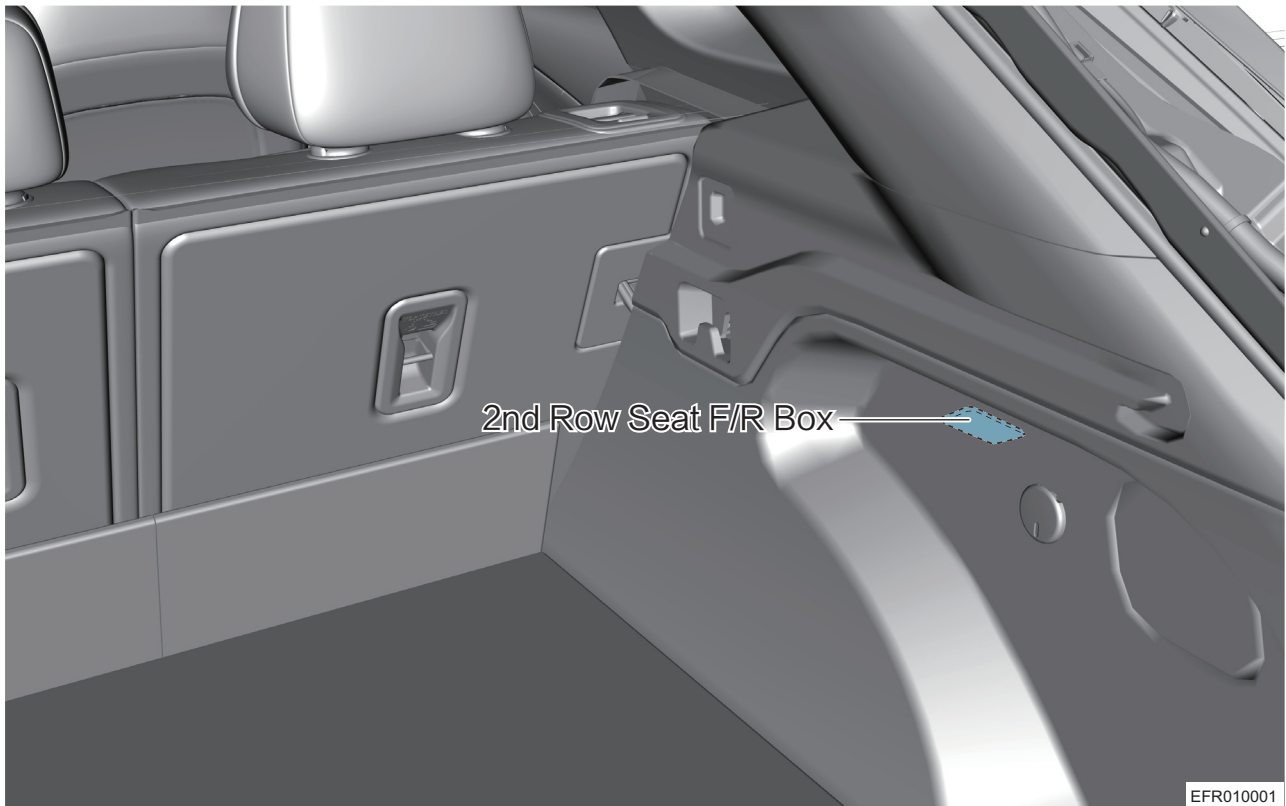
EFR014001



EFR015001

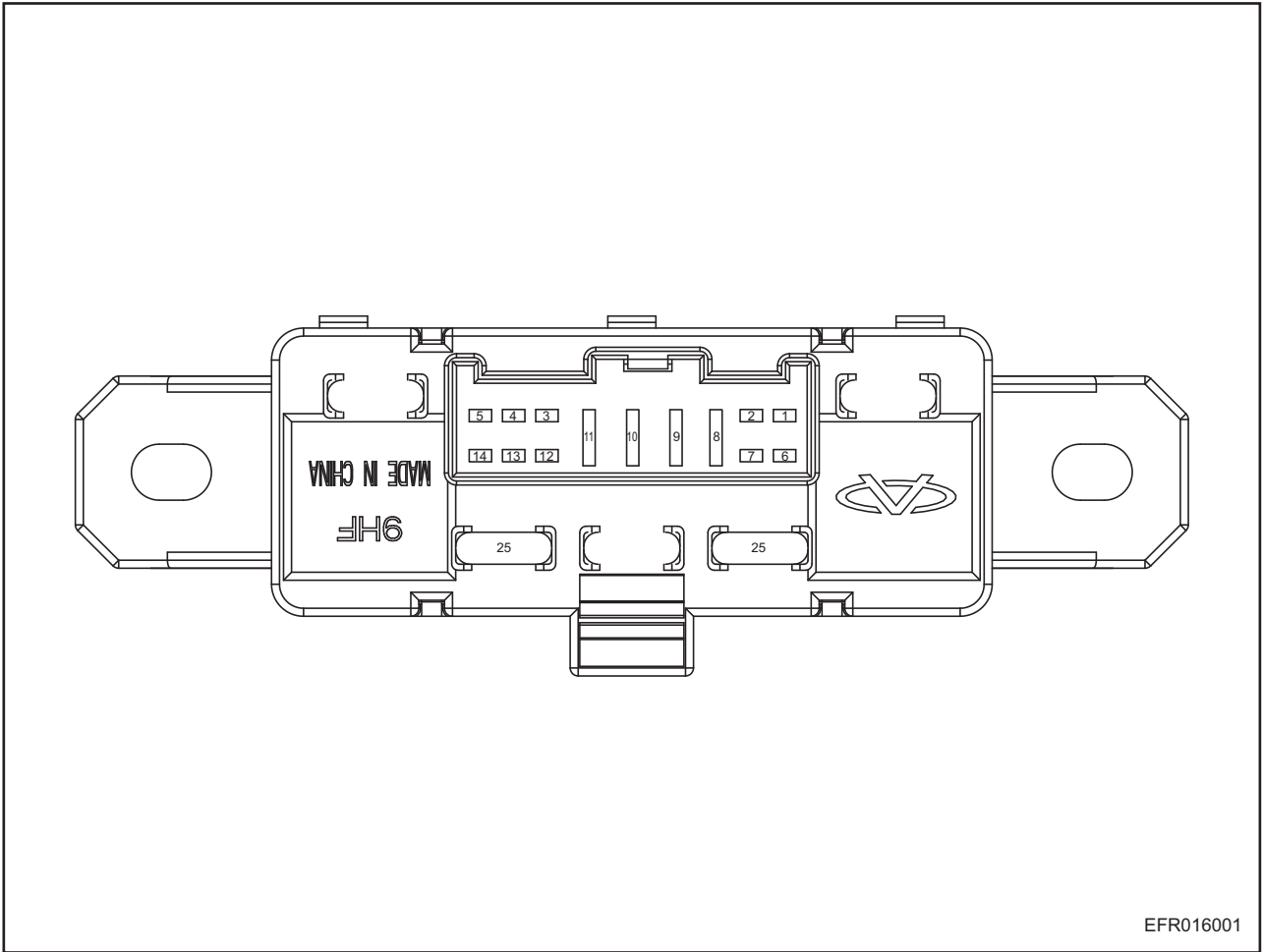
2nd Row Seat Fuse and Relay Box

2nd Row Seat Fuse and Relay Box Position

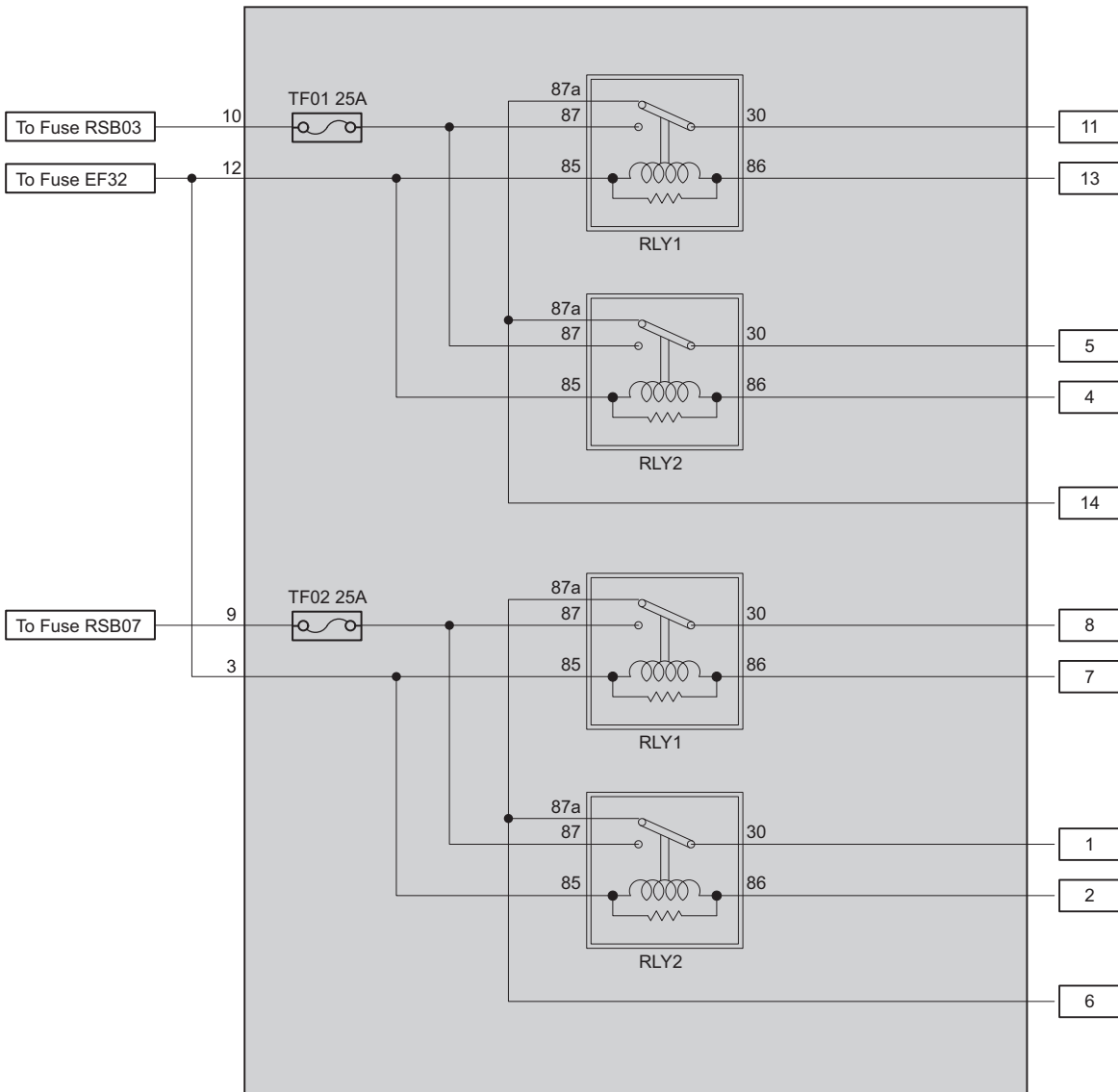


06

2nd Row Seat Fuse and Relay Box Layout Details



2nd Row Seat Fuse and Relay Box Internal Circuit



06

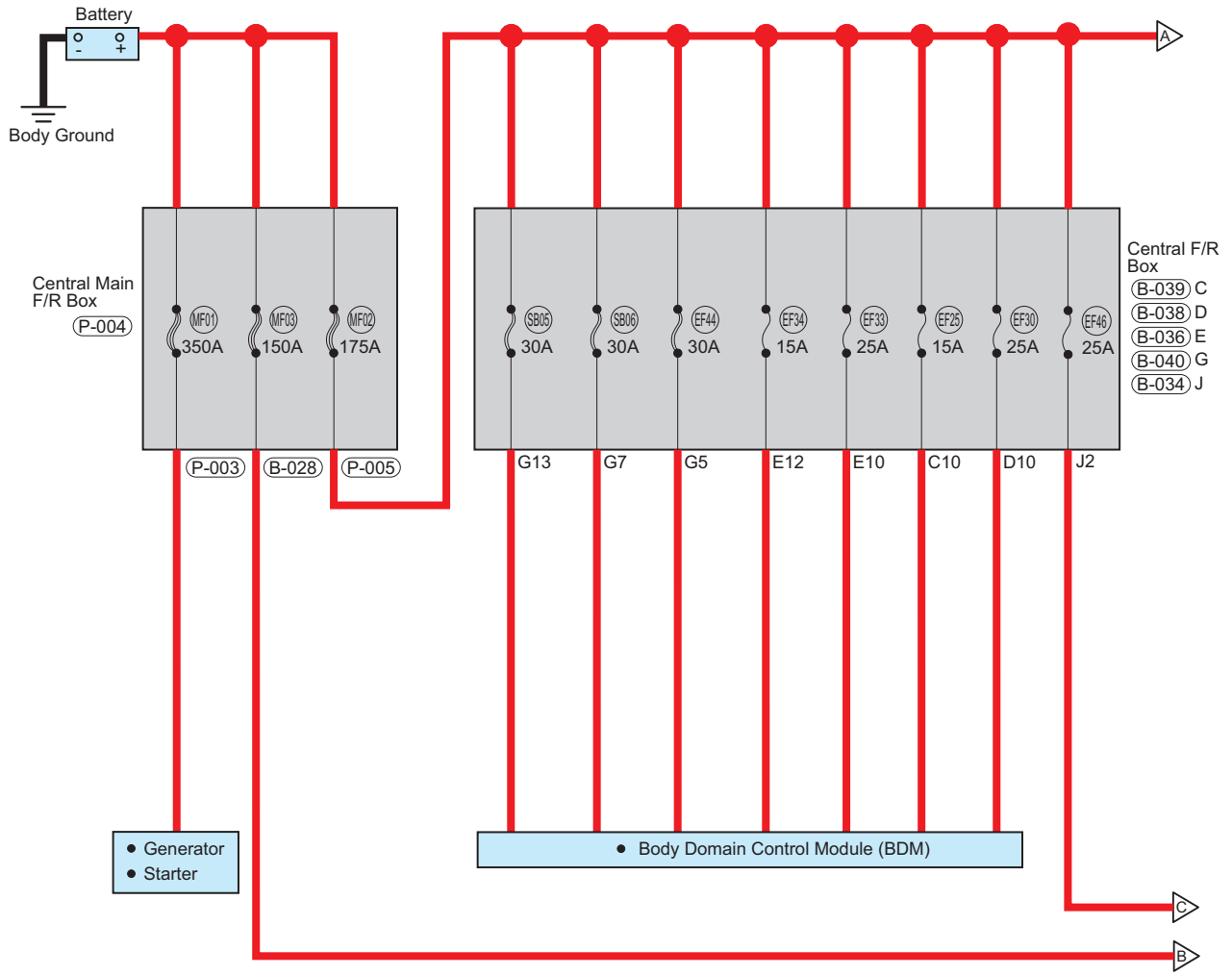
EFR017001

Power Distribution Center

General Information

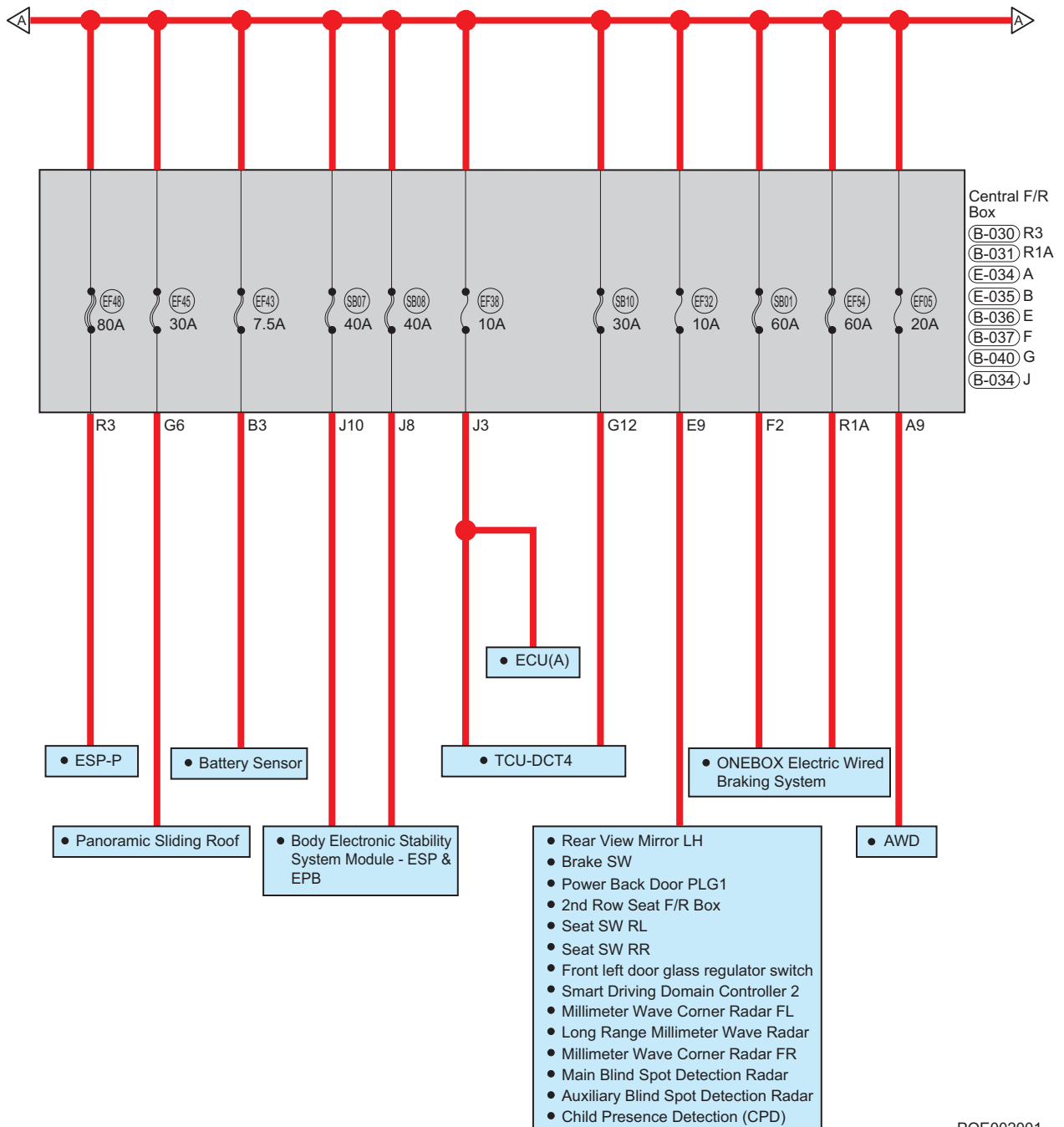
This section provides safe, reliable and efficient power supply for all electrical equipment of vehicle. Power distribution includes the following components: Battery, engine compartment fuse and relay box, instrument panel fuse and relay box, ignition switch, fuse and relay.

Power Supply Distribution

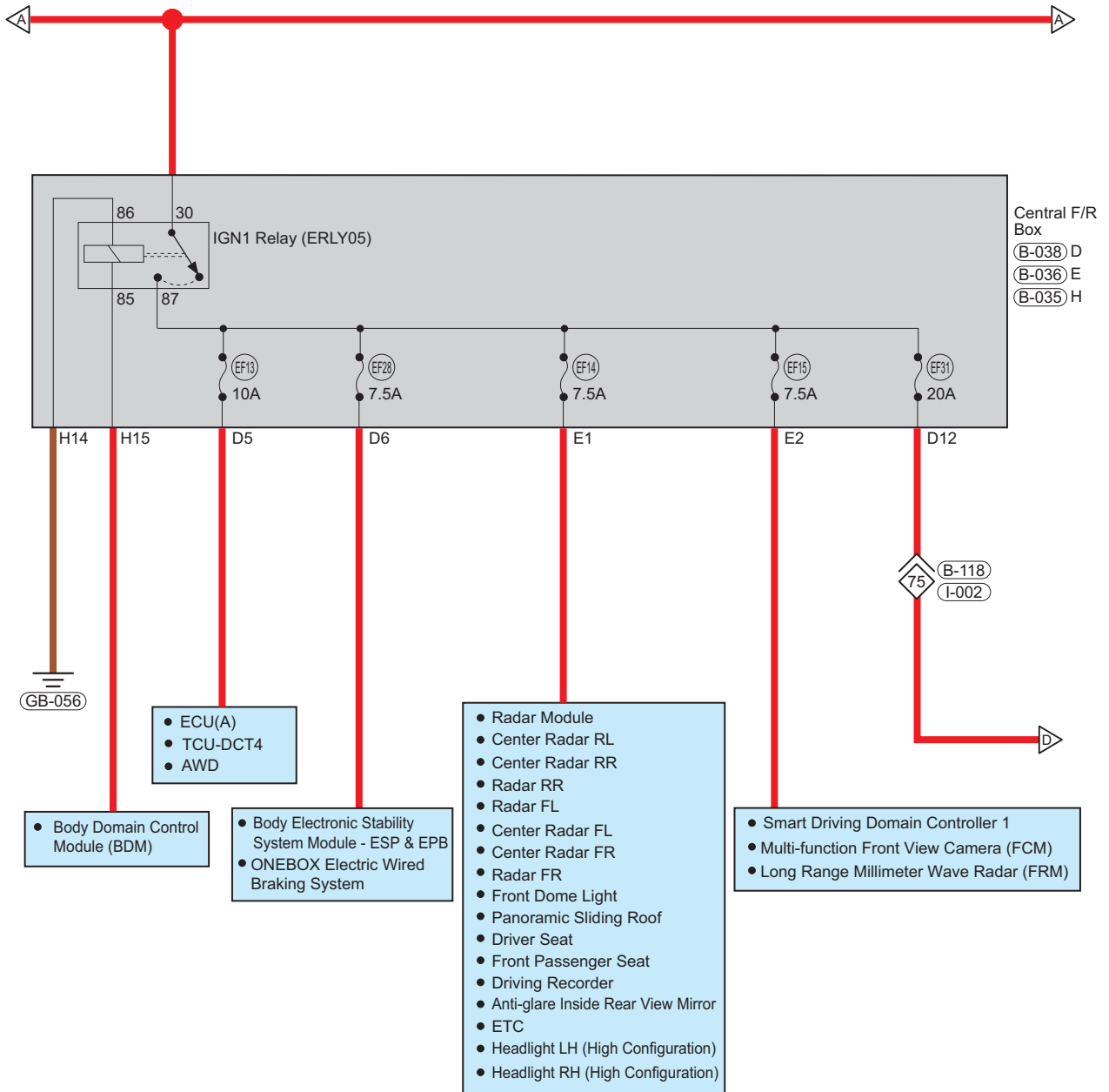


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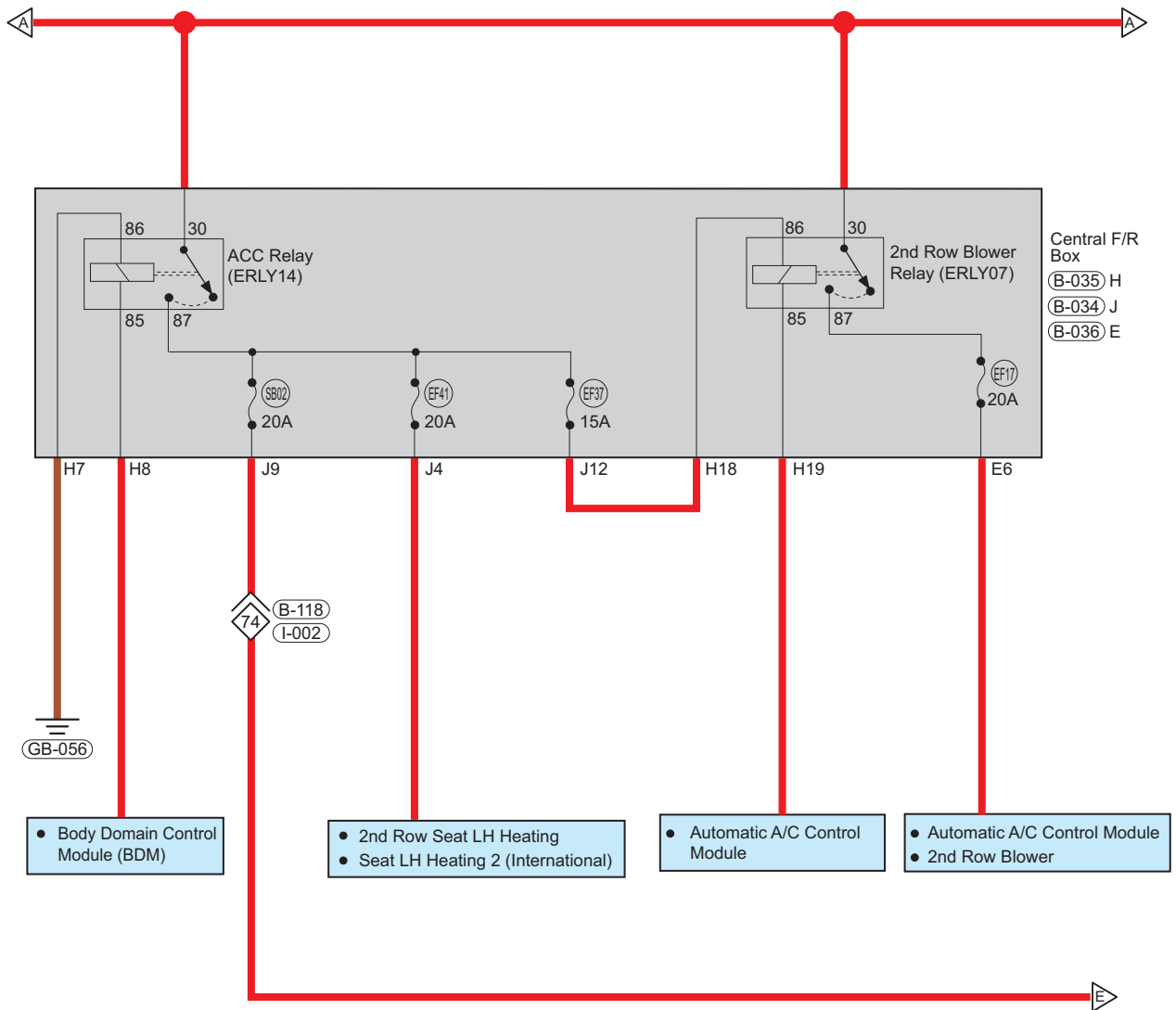
POE001001



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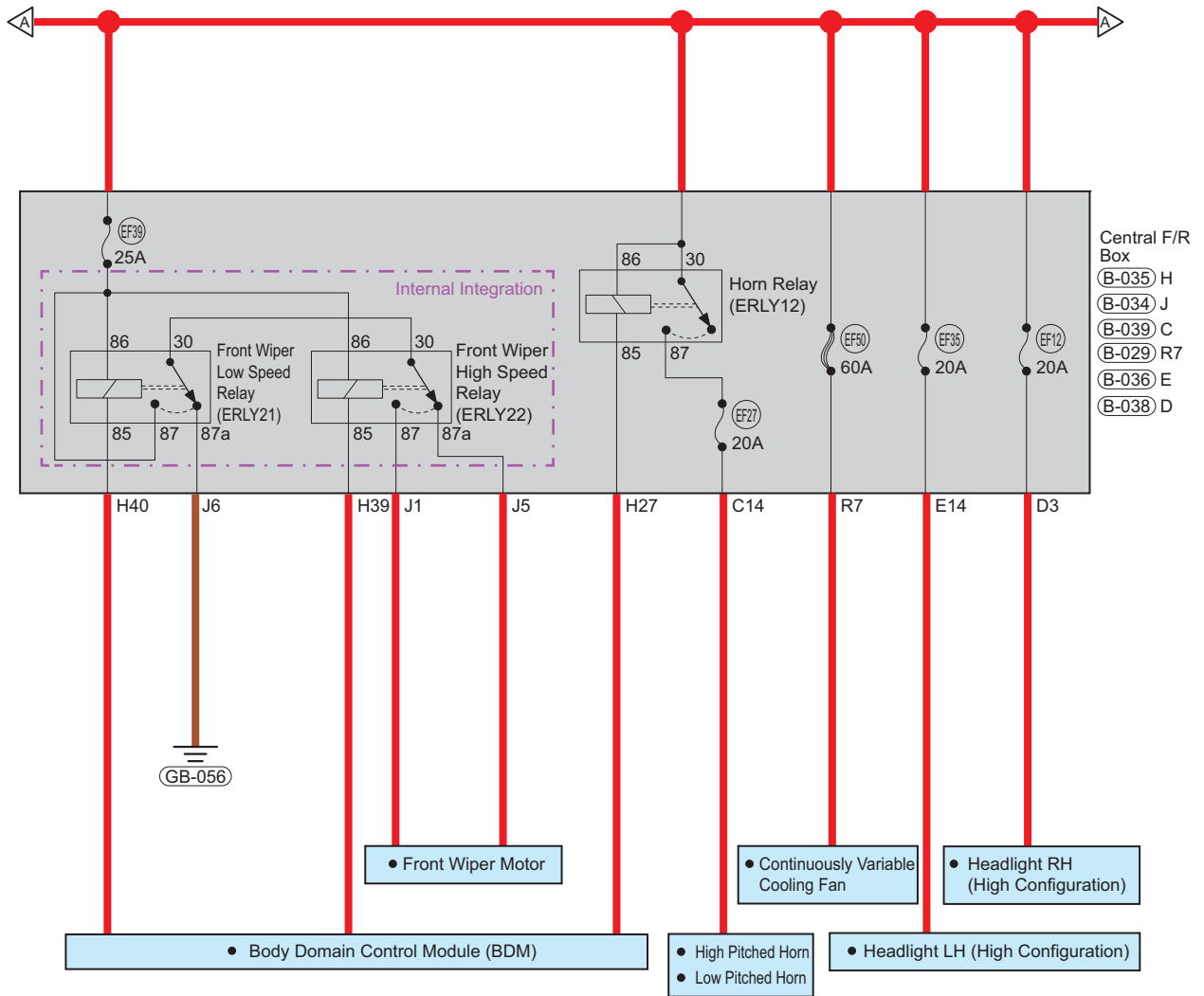


POE003001



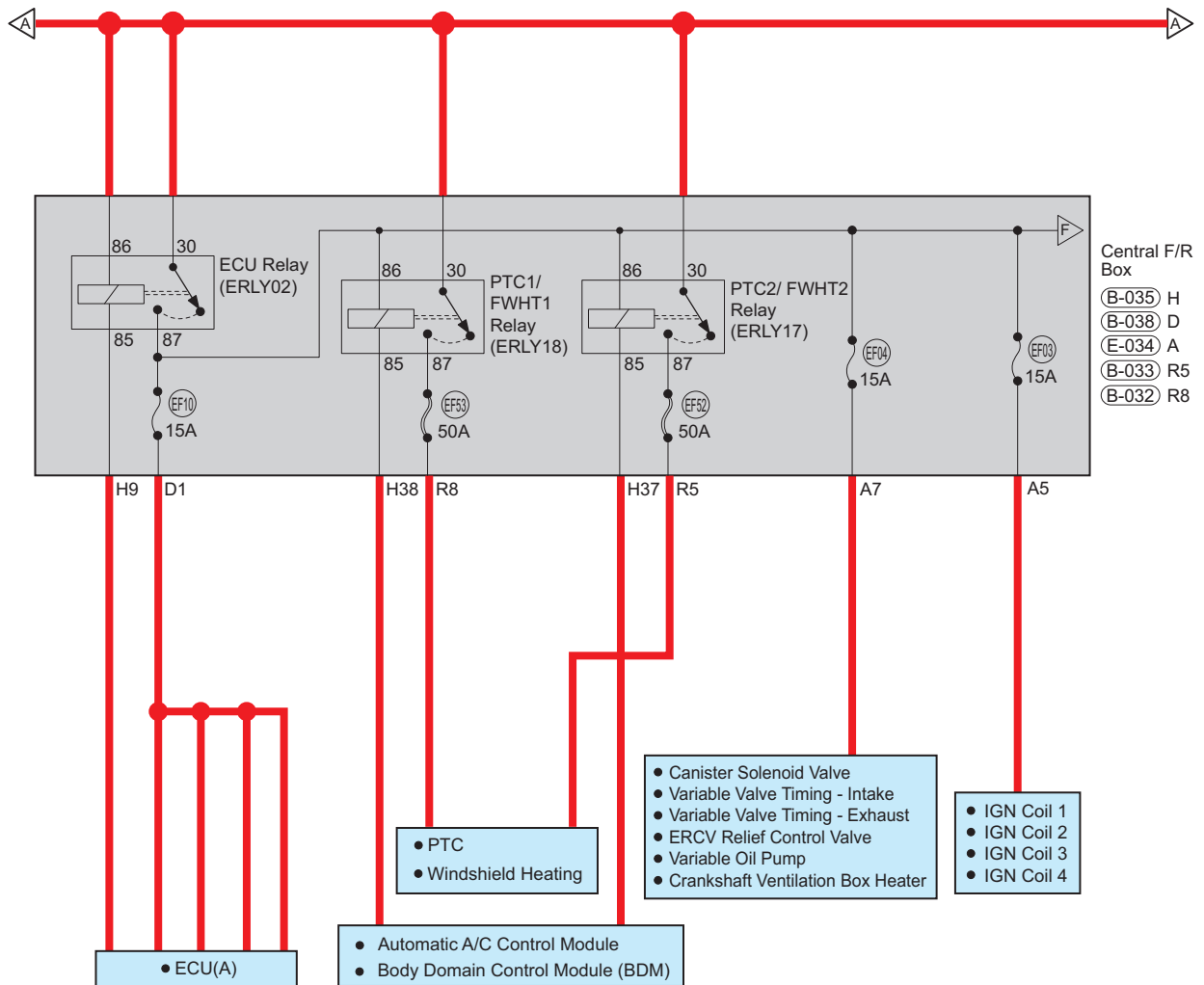
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POE004001

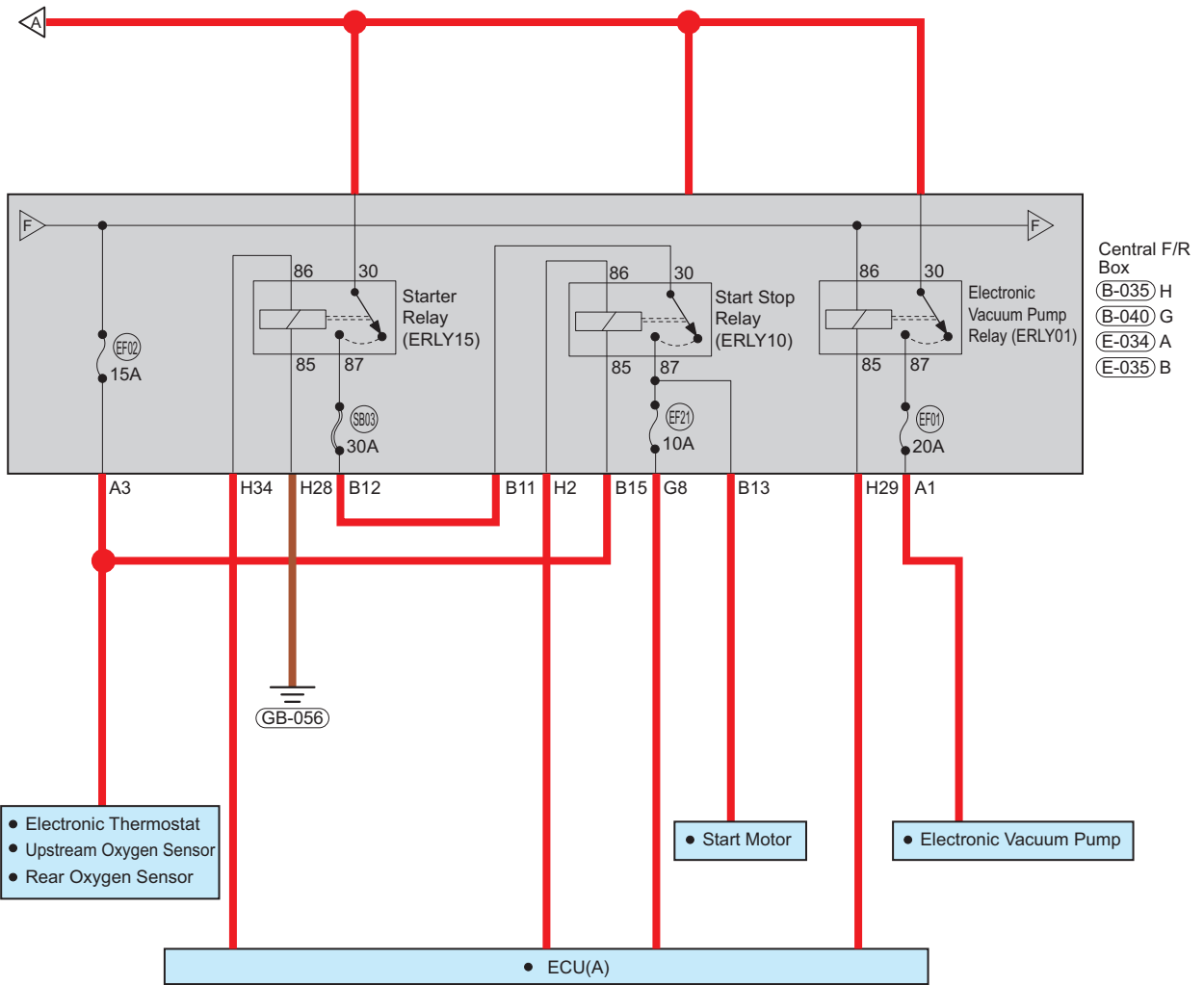


07

POE005001



POE006001



07

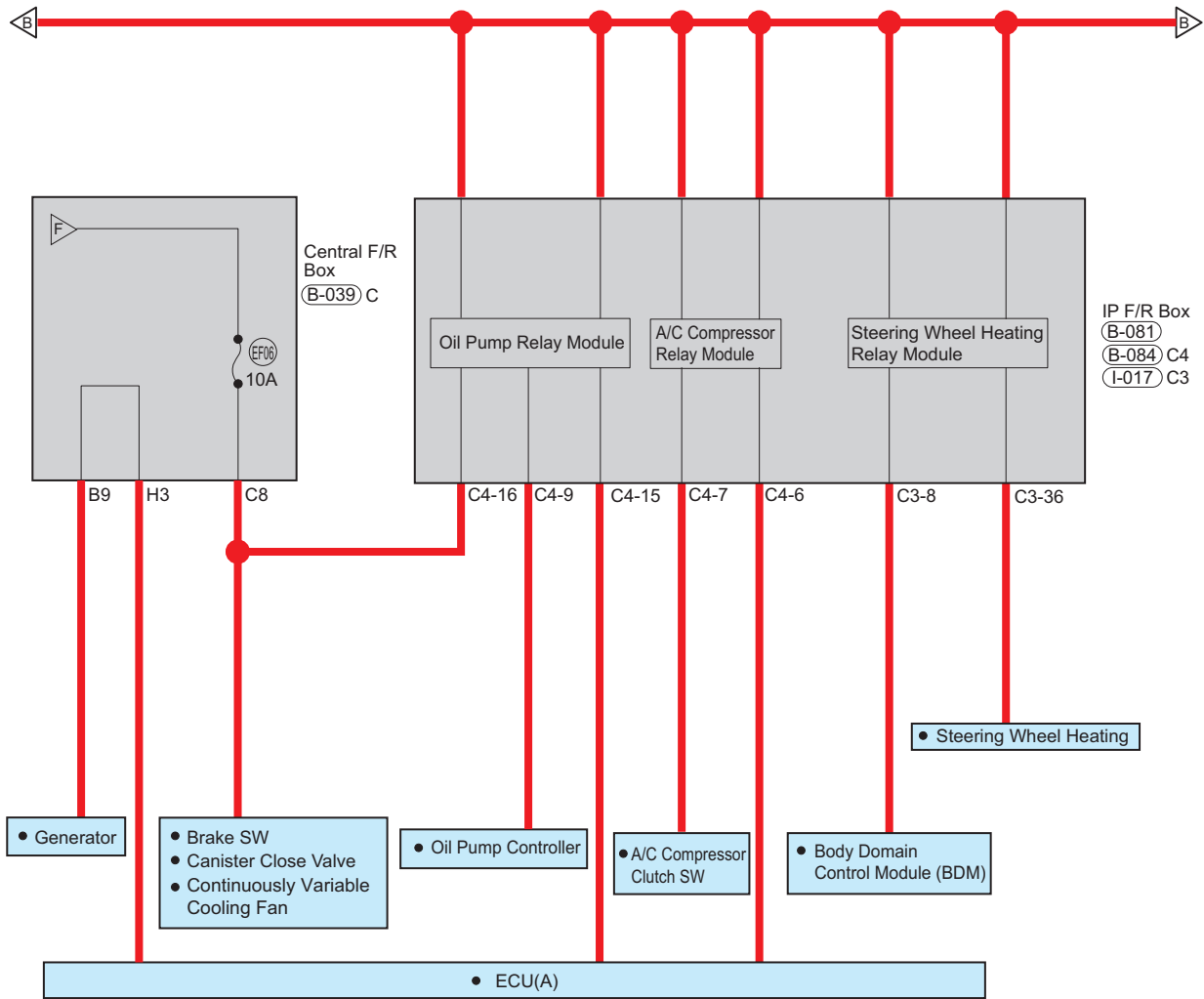
- Electronic Thermostat
- Upstream Oxygen Sensor
- Rear Oxygen Sensor

- Start Motor

- Electronic Vacuum Pump

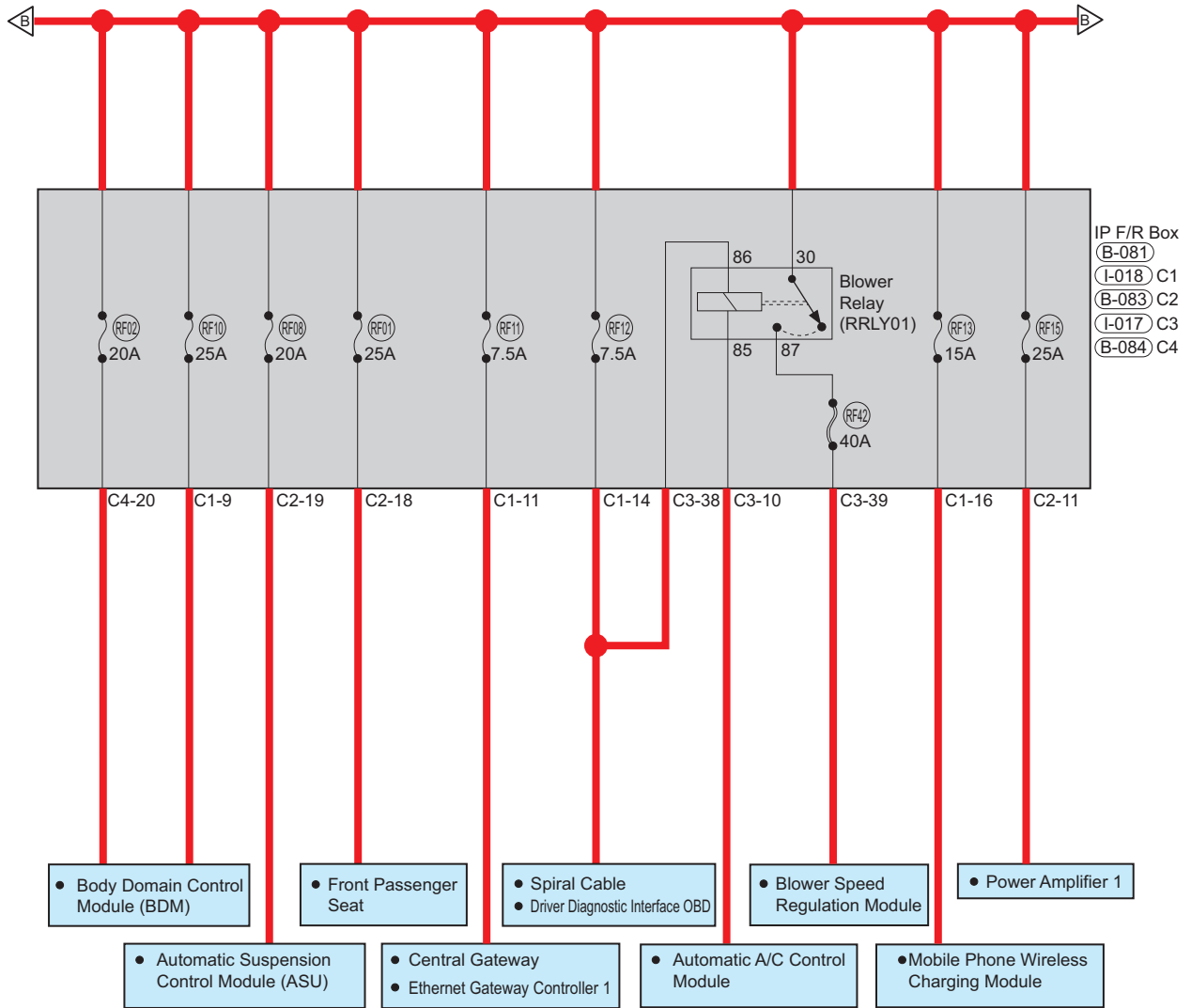
- ECU(A)

POE007001



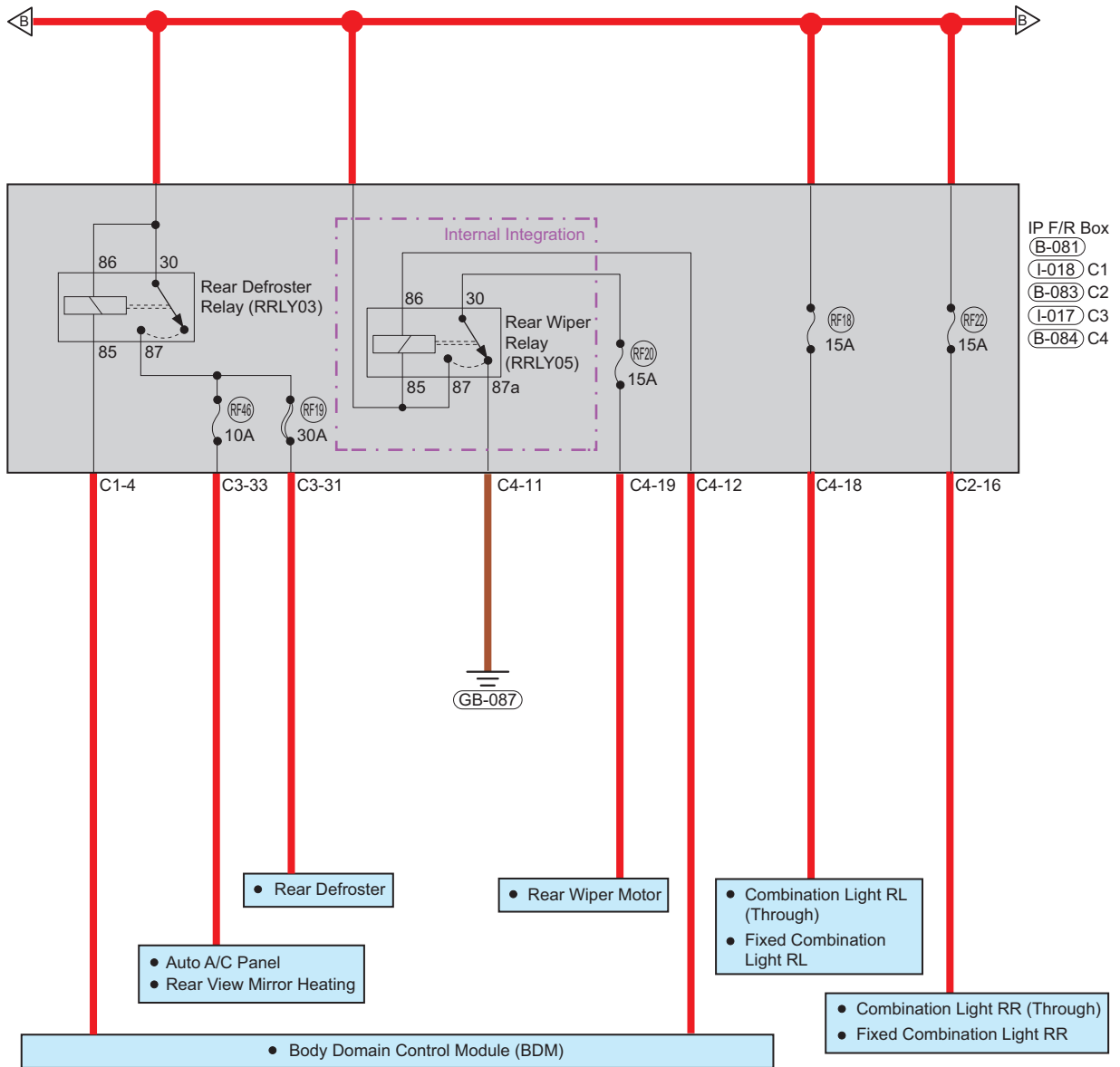
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POE008001



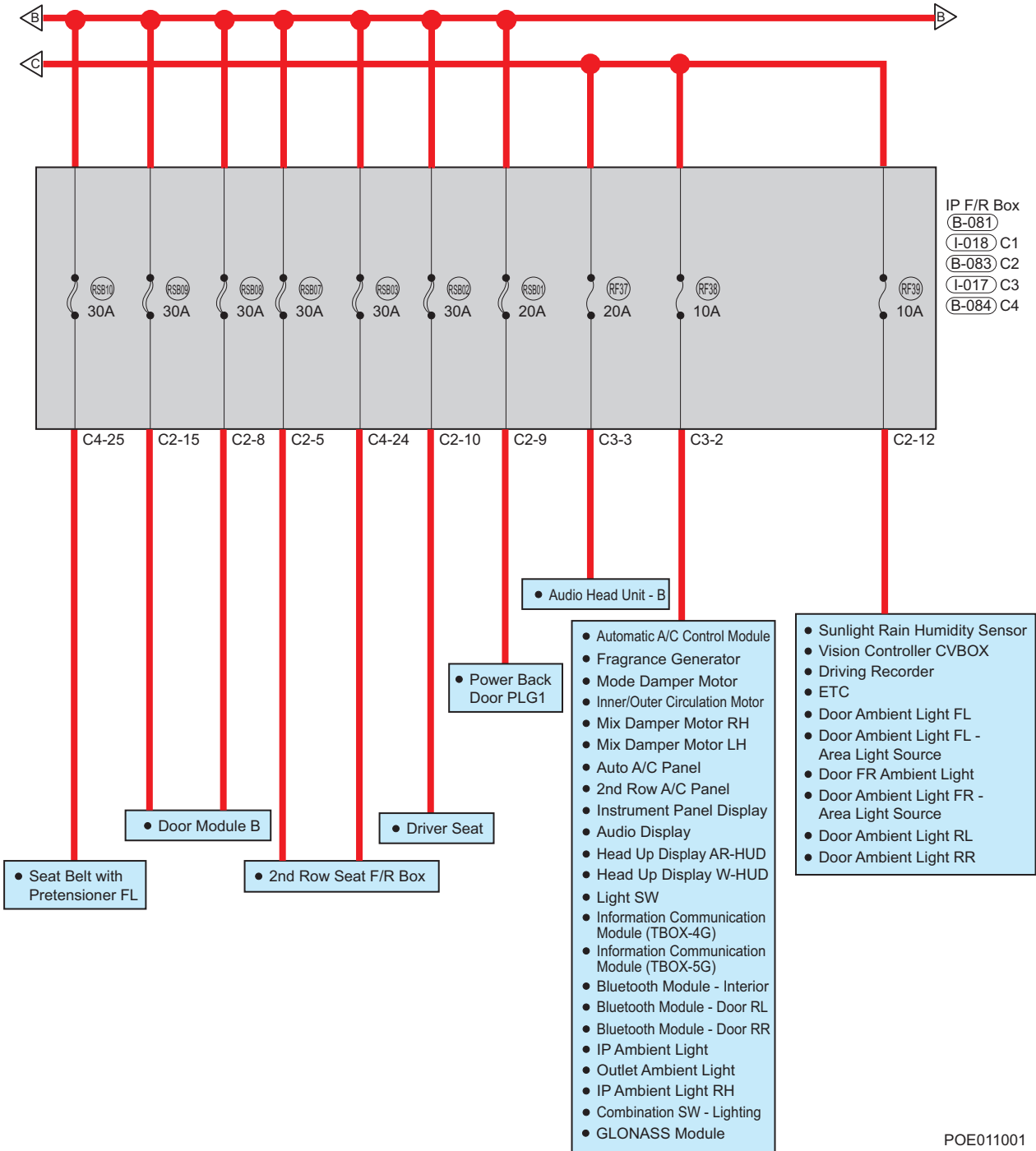
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POE009001



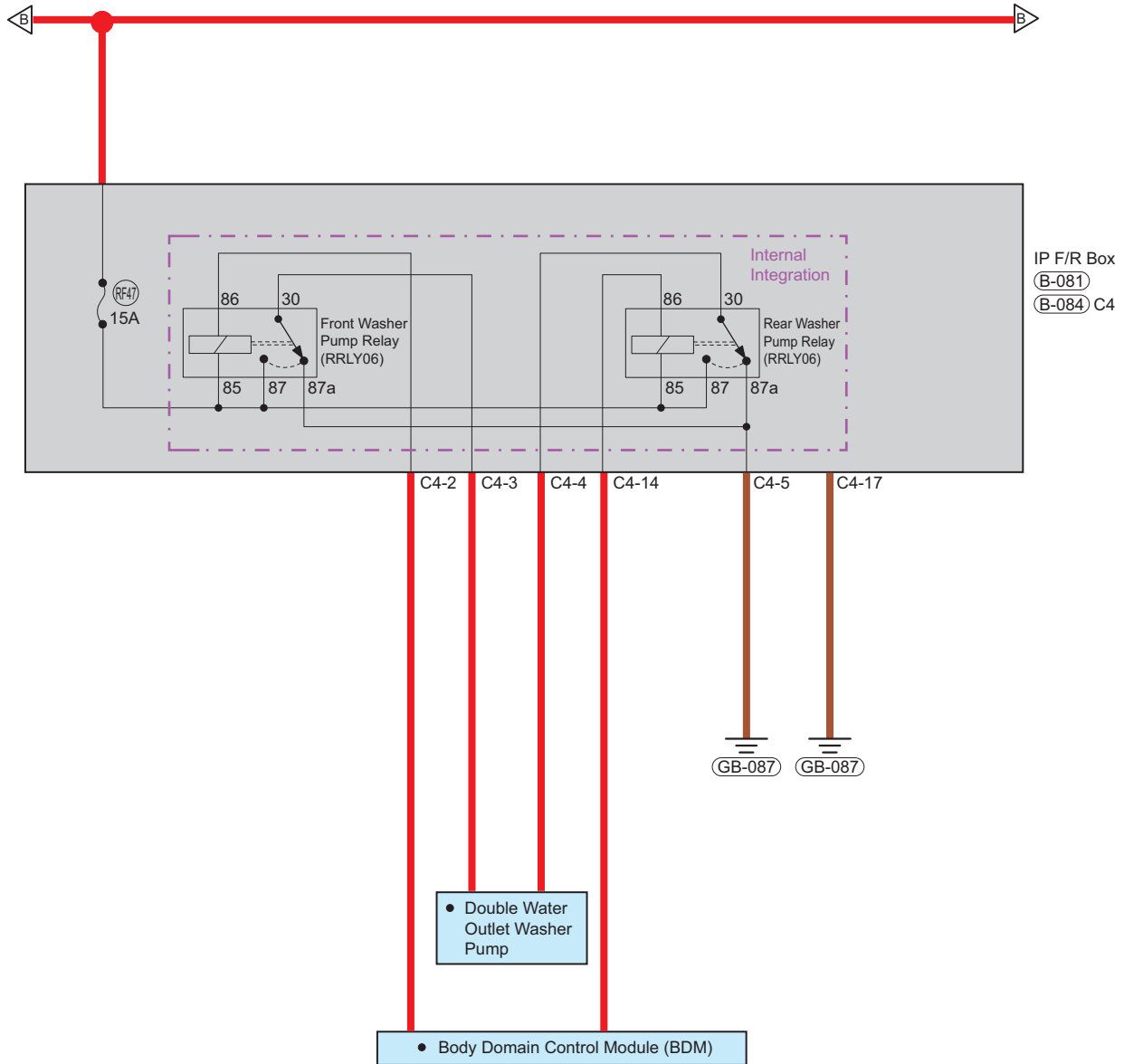
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POE010001



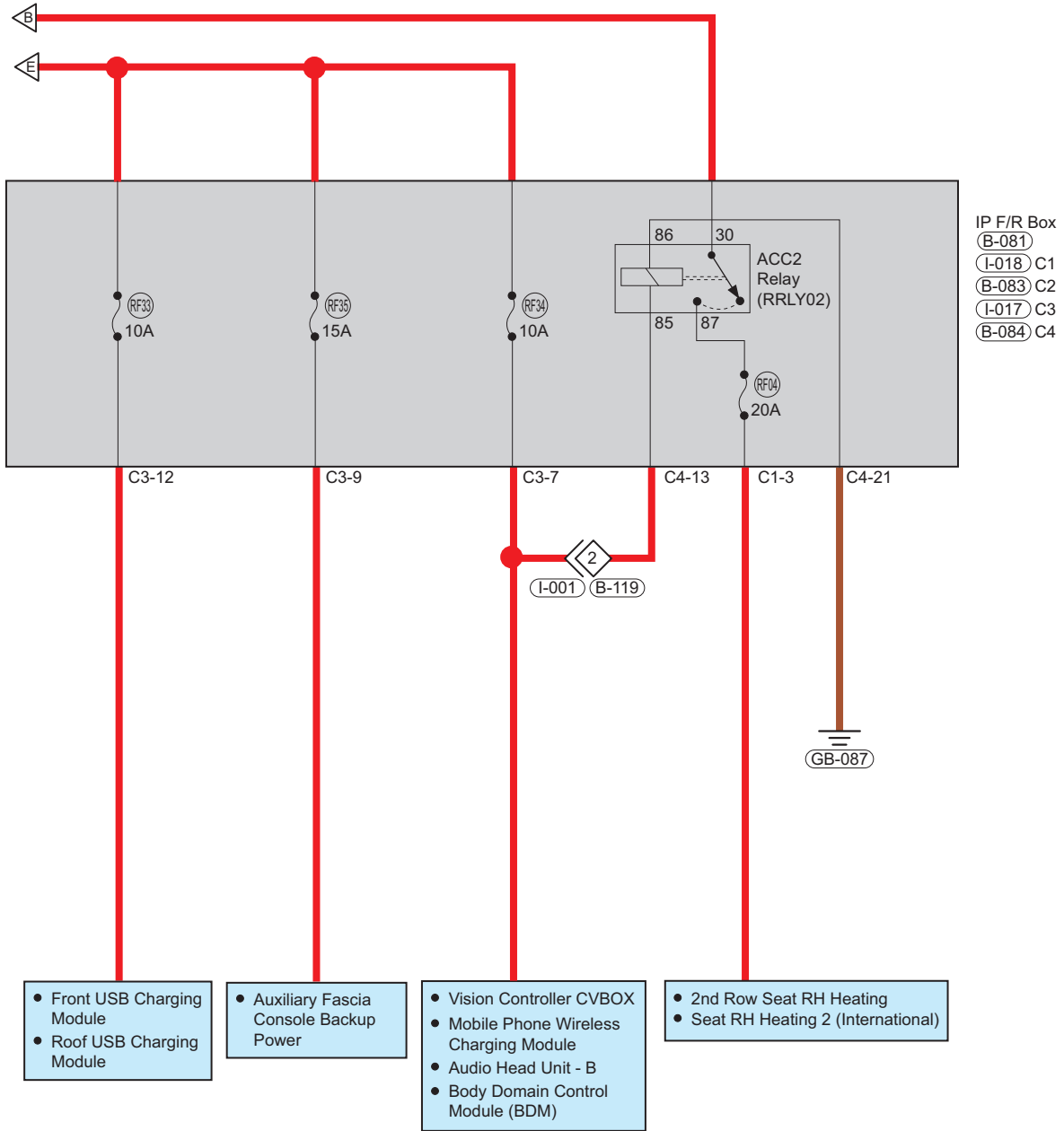
POE011001

07



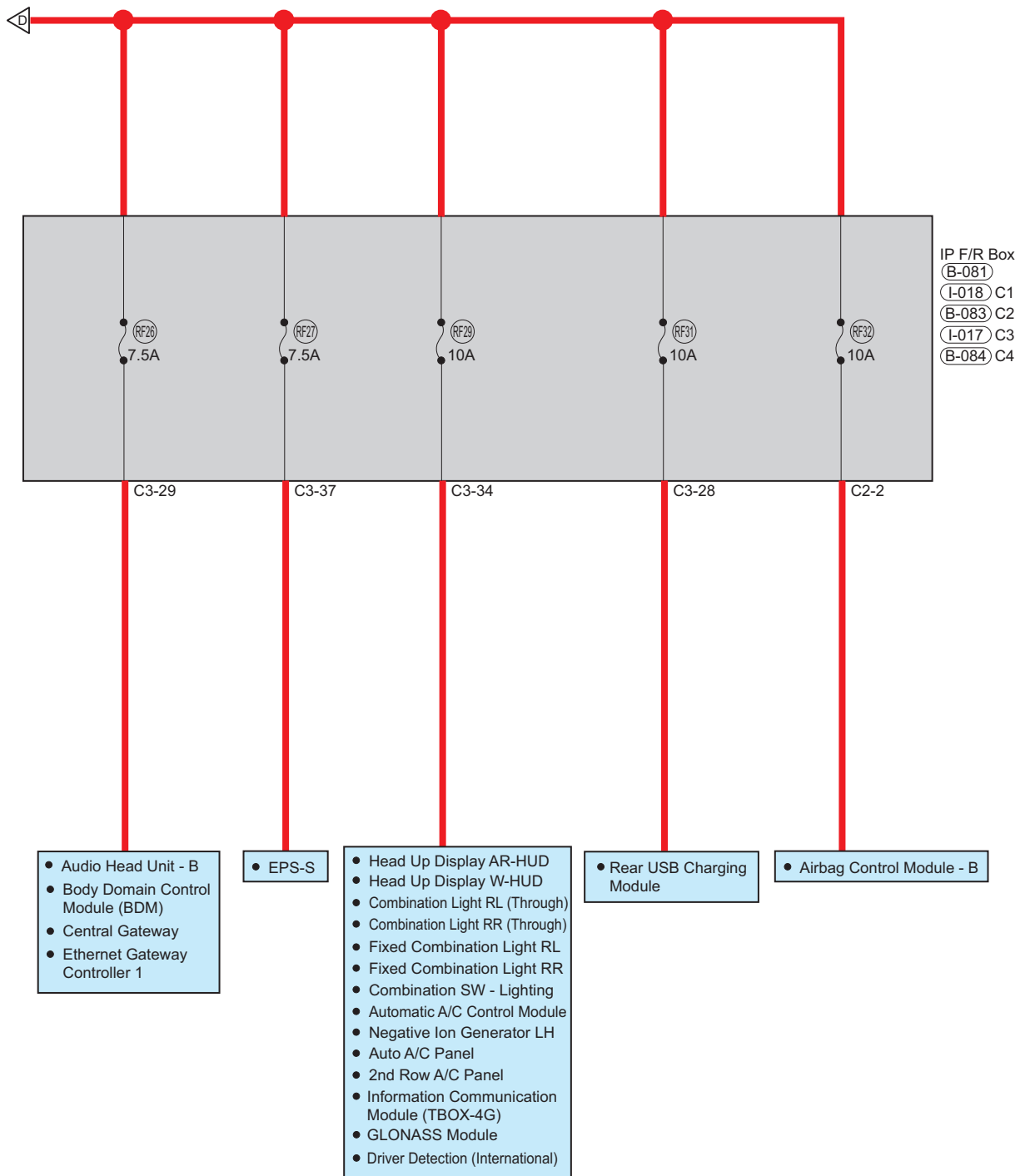
07

POE012001

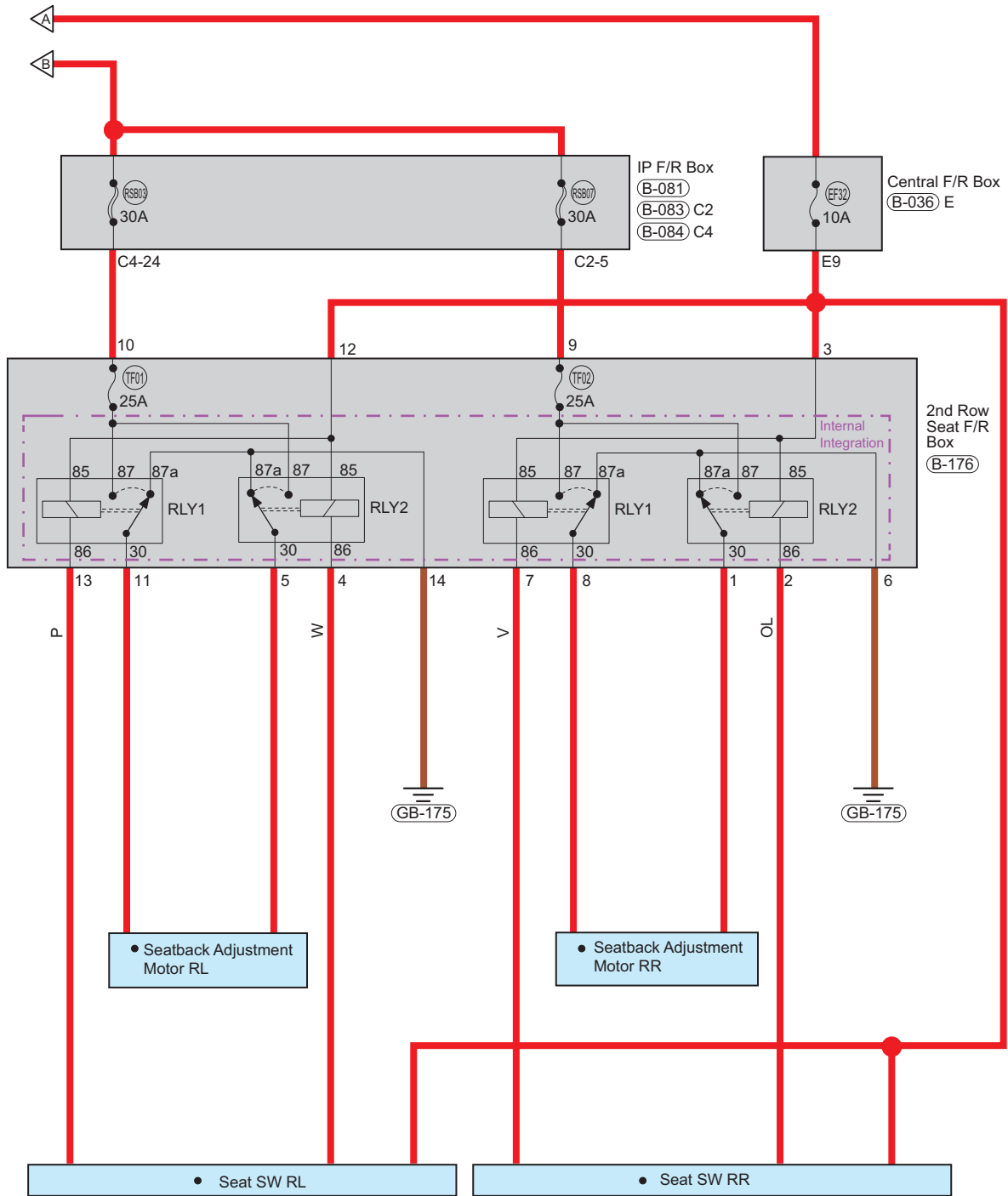


07

POE013001



POE014001



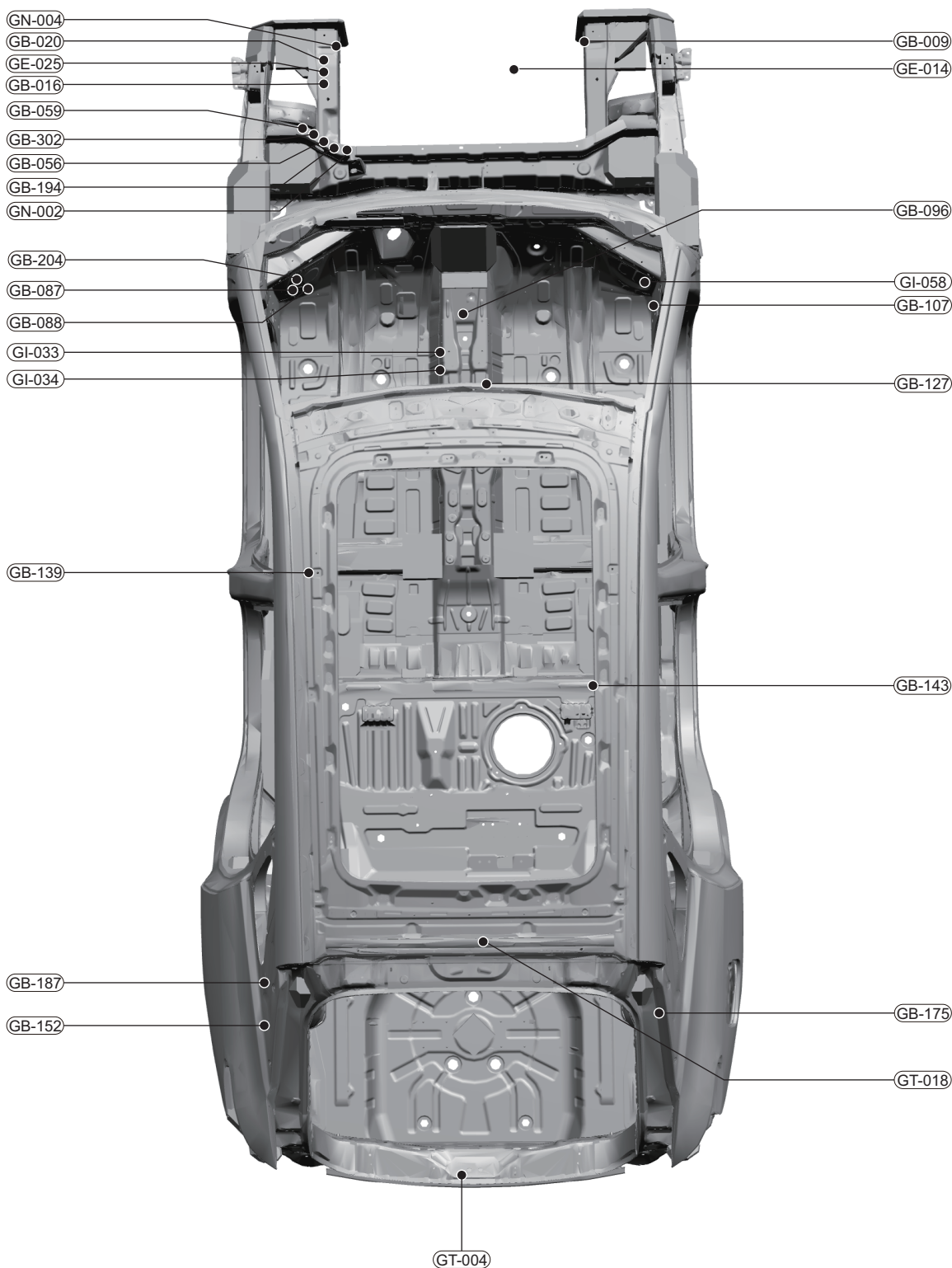
07

POE015001

Ground Point

General Information

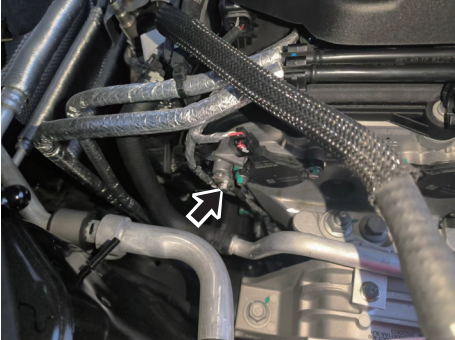
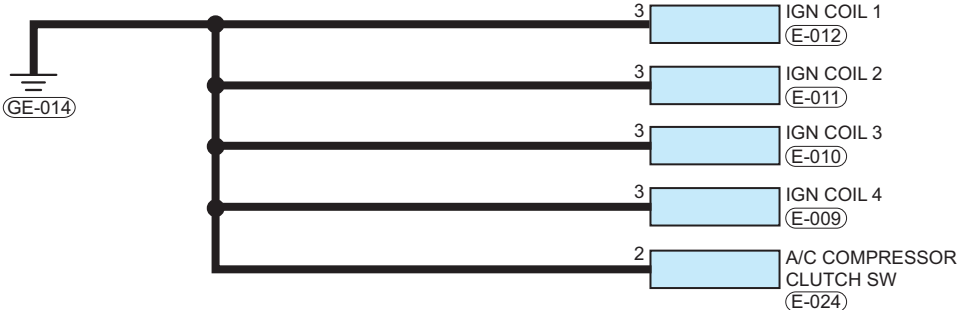
This section provides ground point positions and circuit information about whole vehicle electrical equipment. Technical personnel can quickly find the related electrical equipment through the ground point, and solve the problem accurately and effectively.



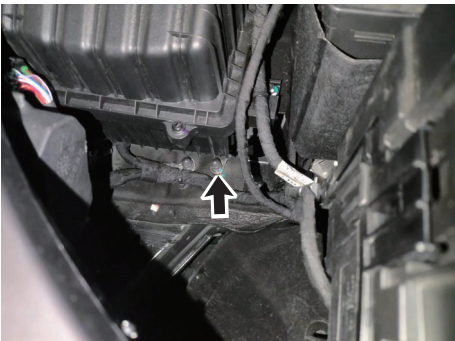
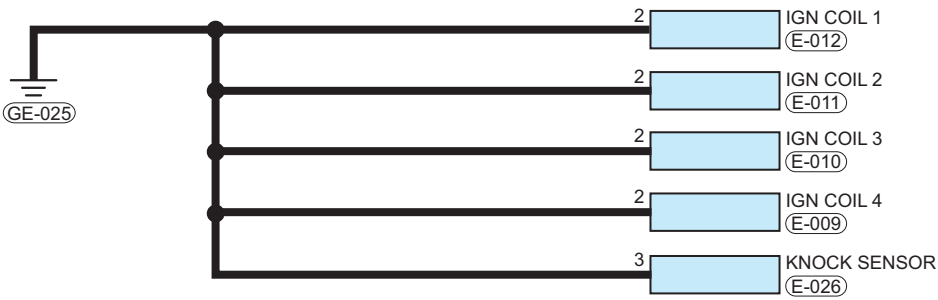
GDE001001

Engine Wire Harness Ground Point Layout

Engine wire harness has 2 ground points: GE-014, GE-025

| Ground Position | Physical Graphics |
|---|--|
| Engine Body Lobe |  |
|  | |


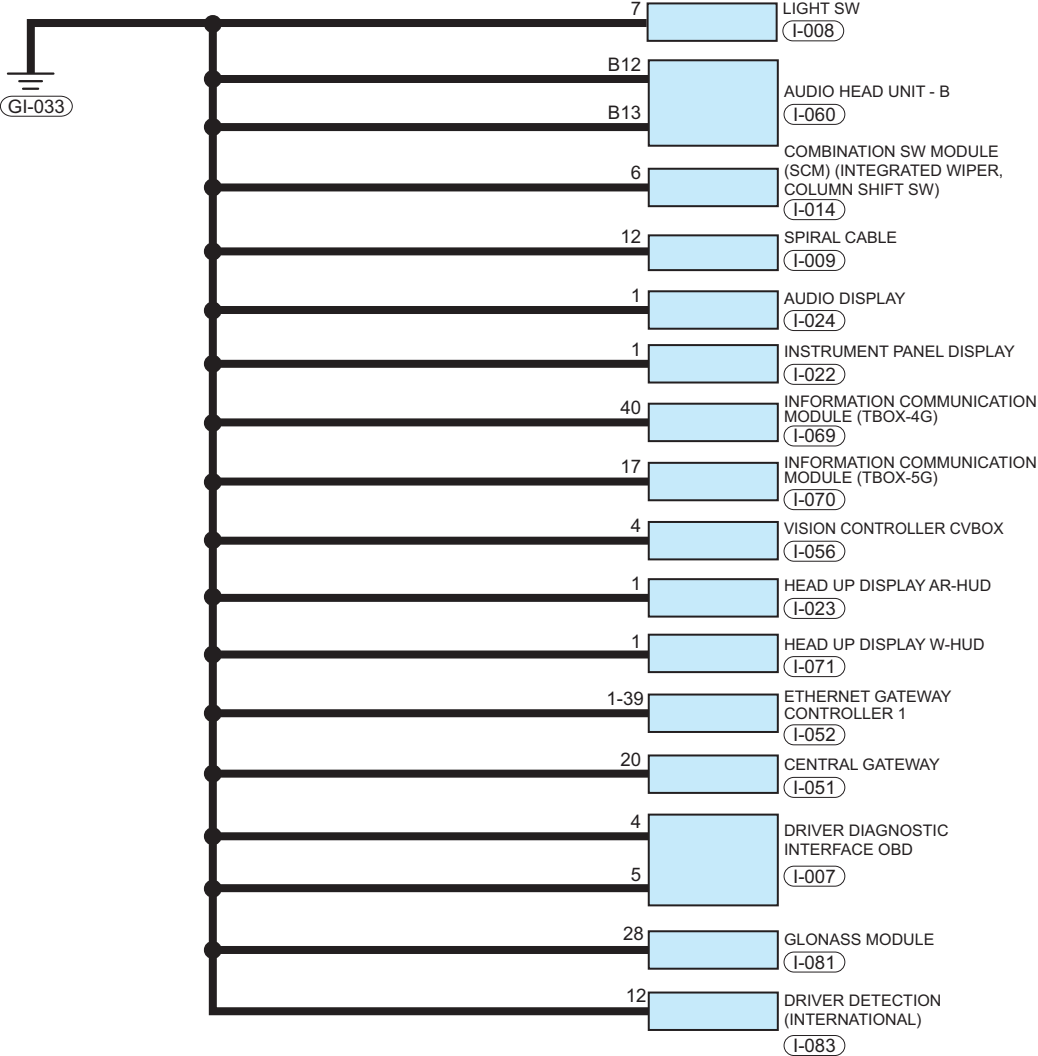
08

| Ground Position | Physical Graphics |
|--|--|
| Upper Part of Side Rail LH |  |
|  | |


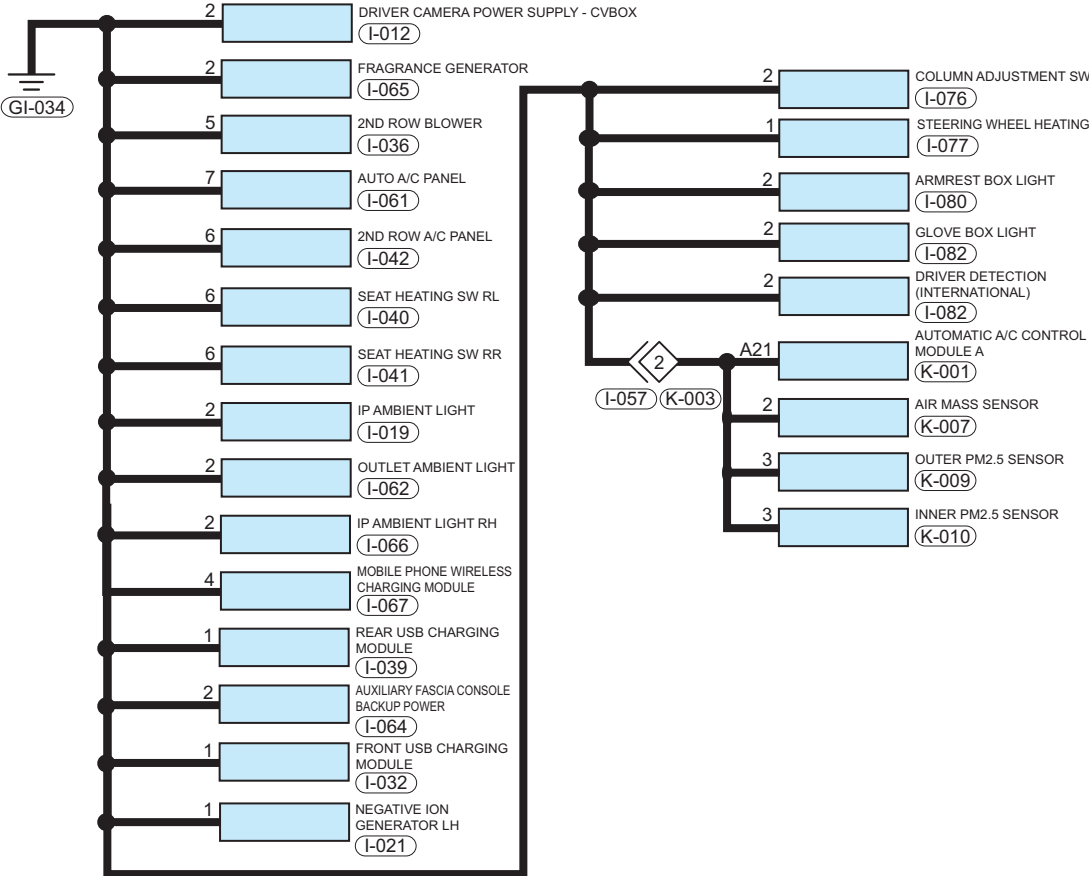
GDE002001

Instrument Panel Wire Harness Ground Point Layout

Instrument panel wire harness has 3 ground points: GI-033, GI-034, GI-058



| Ground Position | Physical Graphics |
|---|--|
| Left Side of Central Channel |  |
|  | |

GDE003001

| Ground Position | Physical Graphics |
|--|--|
| <p>Left Side of Central Channel</p> |  |
|  <p>GI-034</p> <ul style="list-style-type: none"> 2 DRIVER CAMERA POWER SUPPLY - CVBOX (I-012) 2 FRAGRANCE GENERATOR (I-065) 5 2ND ROW BLOWER (I-036) 7 AUTO A/C PANEL (I-061) 6 2ND ROW A/C PANEL (I-042) 6 SEAT HEATING SW RL (I-040) 6 SEAT HEATING SW RR (I-041) 2 IP AMBIENT LIGHT (I-019) 2 OUTLET AMBIENT LIGHT (I-062) 2 IP AMBIENT LIGHT RH (I-066) 4 MOBILE PHONE WIRELESS CHARGING MODULE (I-067) 1 REAR USB CHARGING MODULE (I-039) 2 AUXILIARY FASCIA CONSOLE BACKUP POWER (I-064) 1 FRONT USB CHARGING MODULE (I-032) 1 NEGATIVE ION GENERATOR LH (I-021) 2 COLUMN ADJUSTMENT SW (I-076) 1 STEERING WHEEL HEATING (I-077) 2 ARMREST BOX LIGHT (I-080) 2 GLOVE BOX LIGHT (I-082) 2 DRIVER DETECTION (INTERNATIONAL) (I-082) 2 AUTOMATIC A/C CONTROL MODULE A (K-001) 2 AIR MASS SENSOR (K-007) 3 OUTER PM2.5 SENSOR (K-009) 3 INNER PM2.5 SENSOR (K-010) <p>Additional labels in diagram: A21, (I-057), (K-003)</p> | |

08


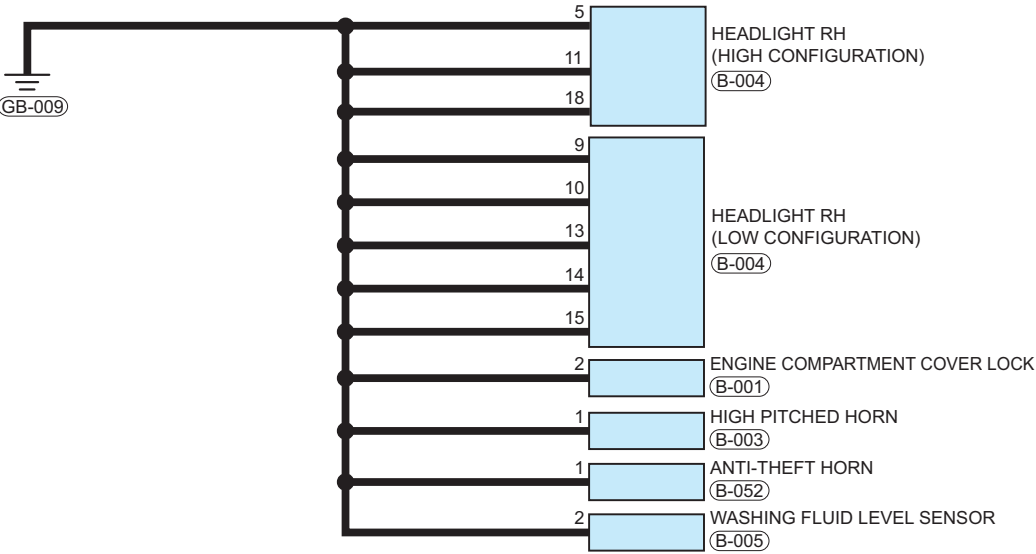


GDE004001

| Ground Position | Physical Graphics |
|--|--|
| Lower Part of A-pillar RH |  |
|  | |

GDE005001


Interior Wire Harness Ground Point Layout

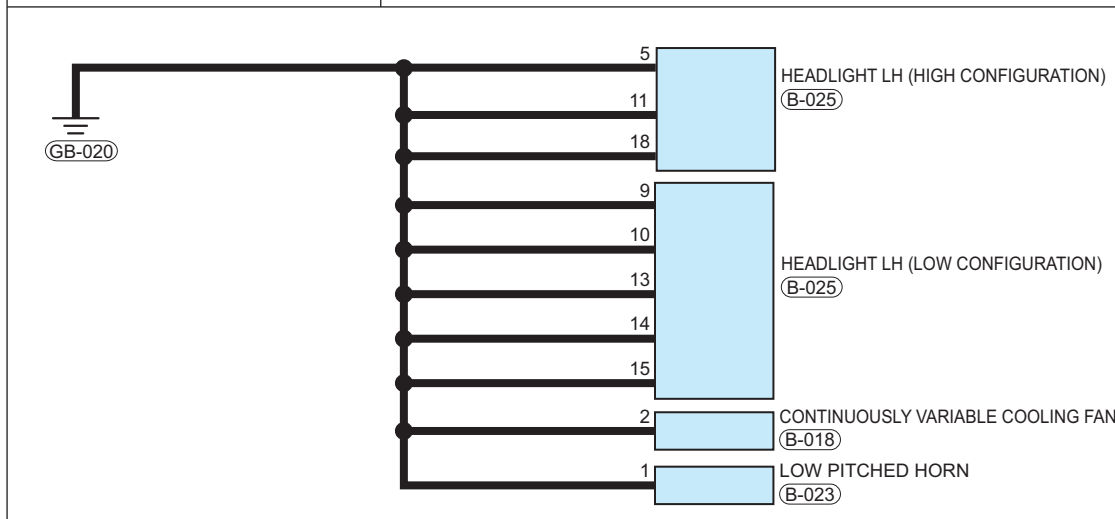
Interior wire harness has 17 ground points: GB-009, GB-016, GB-020, GB-056, GB-059, GB-087, GB-088, GB-096, GB-107, GB-127, GB-139, GB-143, GB-152, GB-175, GB-187, GB-194, GB-302, GB-204

| Ground Position | Physical Graphics |
|--|--|
| Upper Part of Side Rail RH |  |
|  | |
| Ground Position | Physical Graphics |
| Upper Part of Side Rail LH |  |
|  | |


08

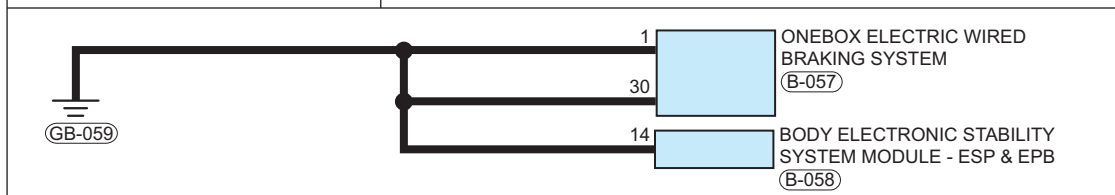
GDE006001

| Ground Position | Physical Graphics |
|--------------------------|--|
| Inside of Left Side Rail |  |


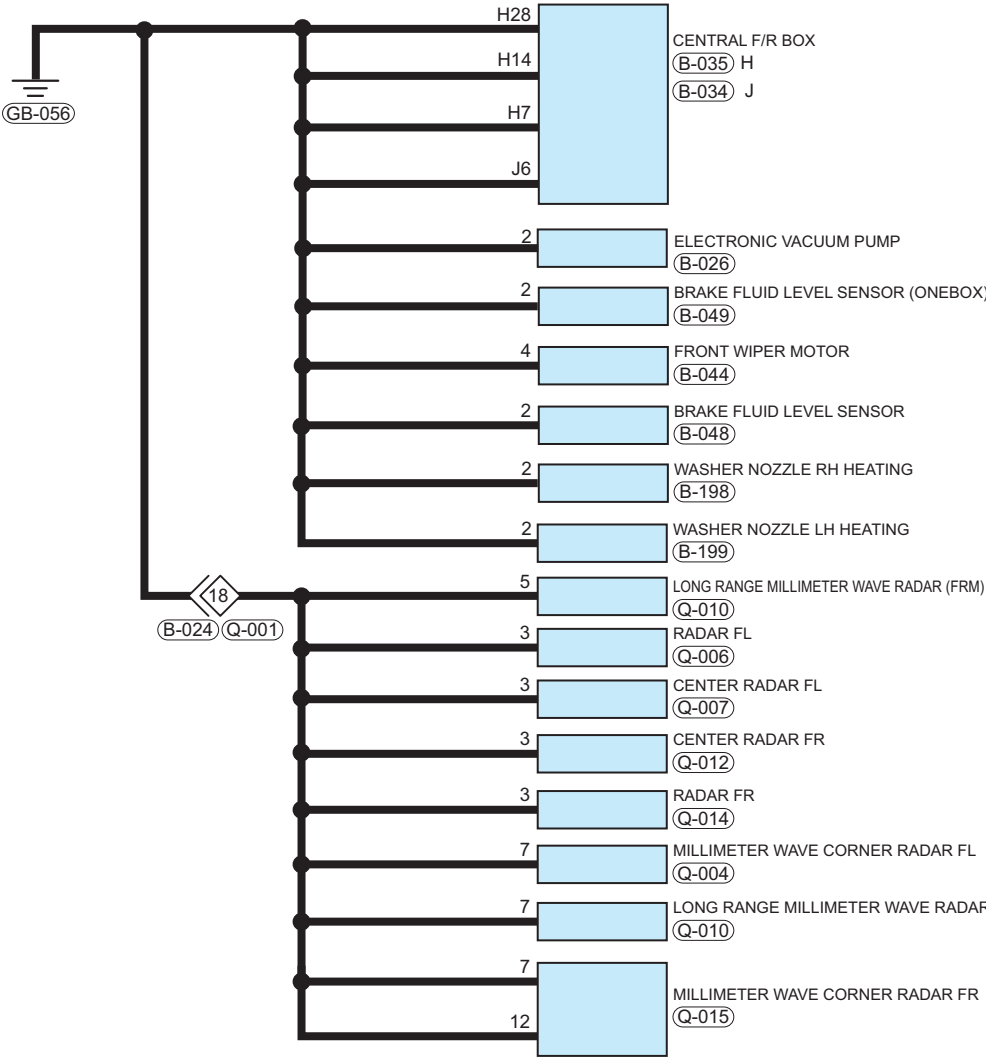


08

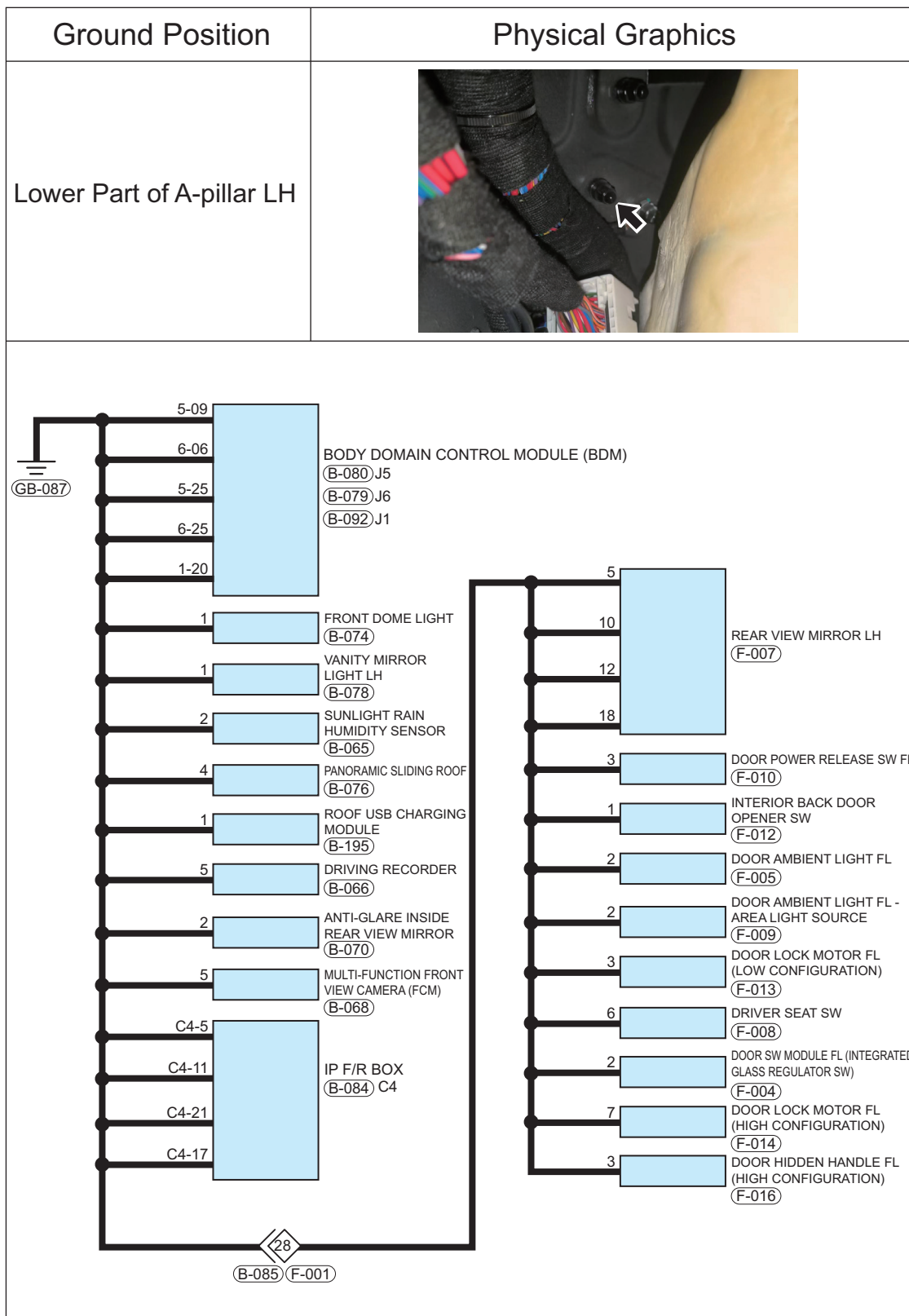
| Ground Position | Physical Graphics |
|----------------------------|--|
| Near Brake Fluid Reservoir |  |





GDE007001

| Ground Position | Physical Graphics |
|---|--|
| Shock Absorber Base LH |  |
|  <p>GB-056</p> <p>H28 CENTRAL F/R BOX (B-035) H (B-034) J</p> <p>H14</p> <p>H7</p> <p>J6</p> <p>2 ELECTRONIC VACUUM PUMP (B-026)</p> <p>2 BRAKE FLUID LEVEL SENSOR (ONEBOX) (B-049)</p> <p>4 FRONT WIPER MOTOR (B-044)</p> <p>2 BRAKE FLUID LEVEL SENSOR (B-048)</p> <p>2 WASHER NOZZLE RH HEATING (B-198)</p> <p>2 WASHER NOZZLE LH HEATING (B-199)</p> <p>5 LONG RANGE MILLIMETER WAVE RADAR (FRM) (Q-010)</p> <p>3 RADAR FL (Q-006)</p> <p>3 CENTER RADAR FL (Q-007)</p> <p>3 CENTER RADAR FR (Q-012)</p> <p>3 RADAR FR (Q-014)</p> <p>7 MILLIMETER WAVE CORNER RADAR FL (Q-004)</p> <p>7 LONG RANGE MILLIMETER WAVE RADAR (Q-010)</p> <p>7 MILLIMETER WAVE CORNER RADAR FR (Q-015)</p> <p>12</p> <p>18 (B-024) (Q-001)</p> | |



GDE008001





GDE009001



| Ground Position | Physical Graphics |
|--|--|
| Lower Part of A-pillar LH |  |
|  | |

08

| Ground Position | Physical Graphics |
|--|--|
| Upper Part of Shock Absorber Base LH |  |
|  | |


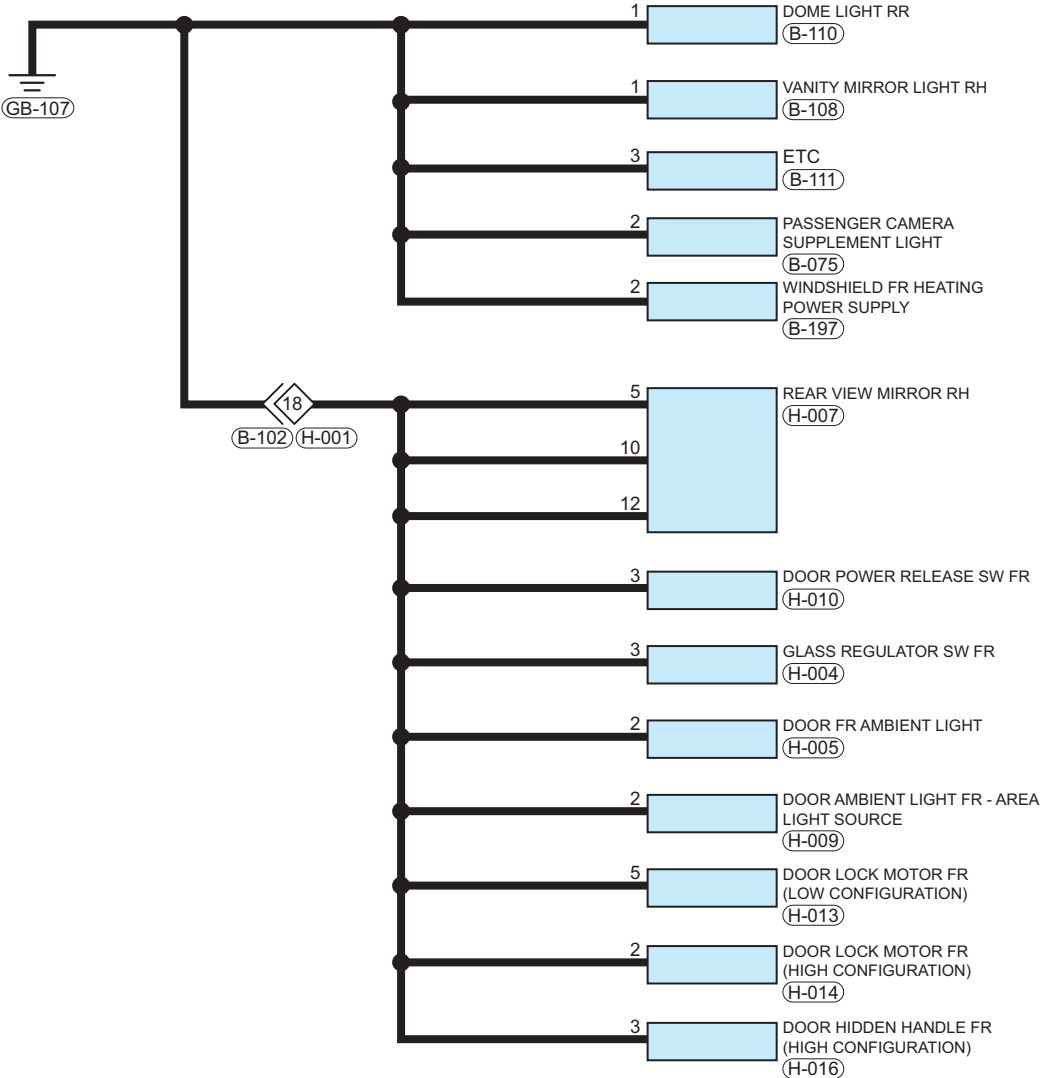
GDE010001

| Ground Position | Physical Graphics |
|--|--|
| Middle of Central Channel |  |
|  | |

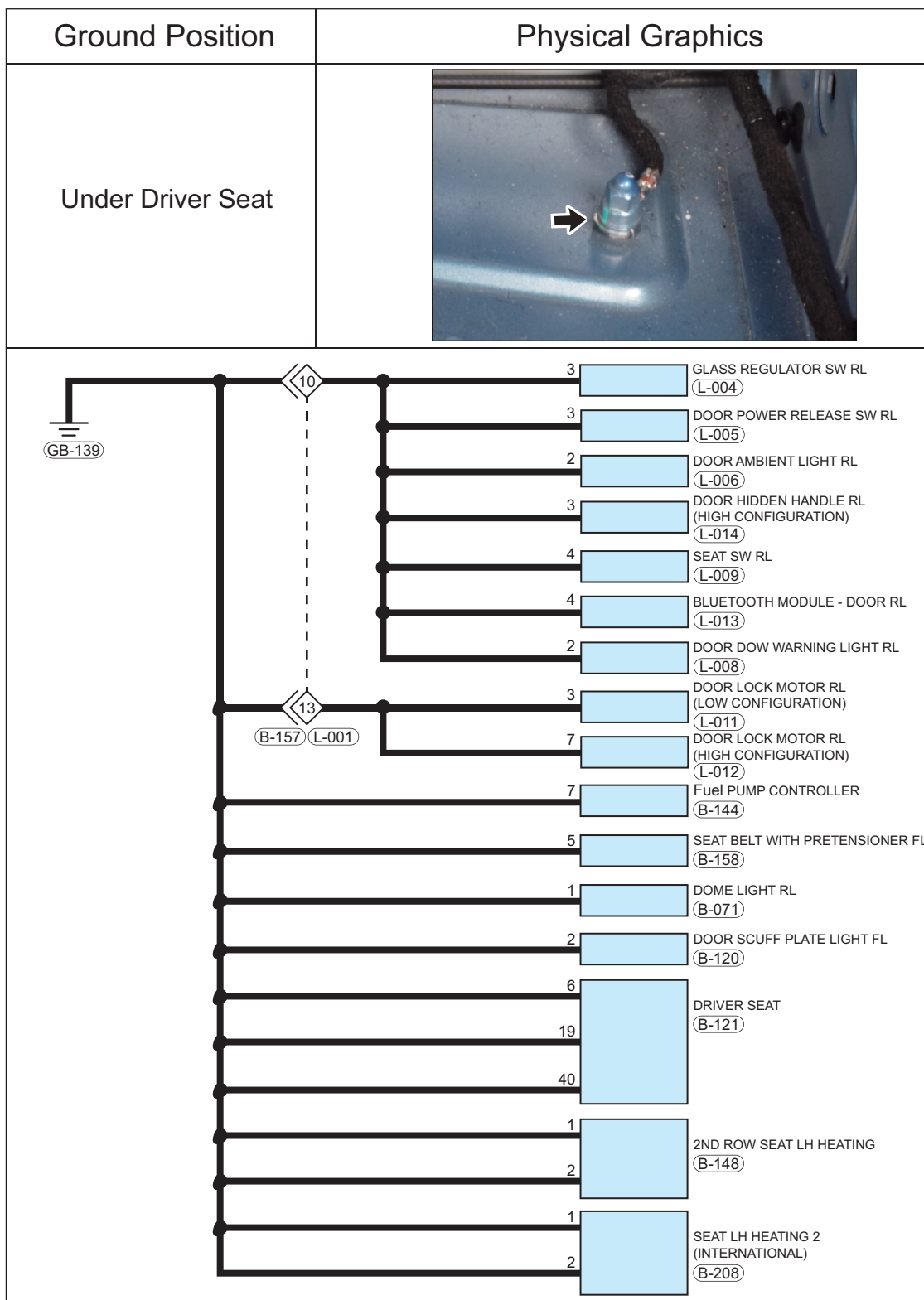
| Ground Position | Physical Graphics |
|--|--|
| Right Side of Central Channel |  |
|  | |

08

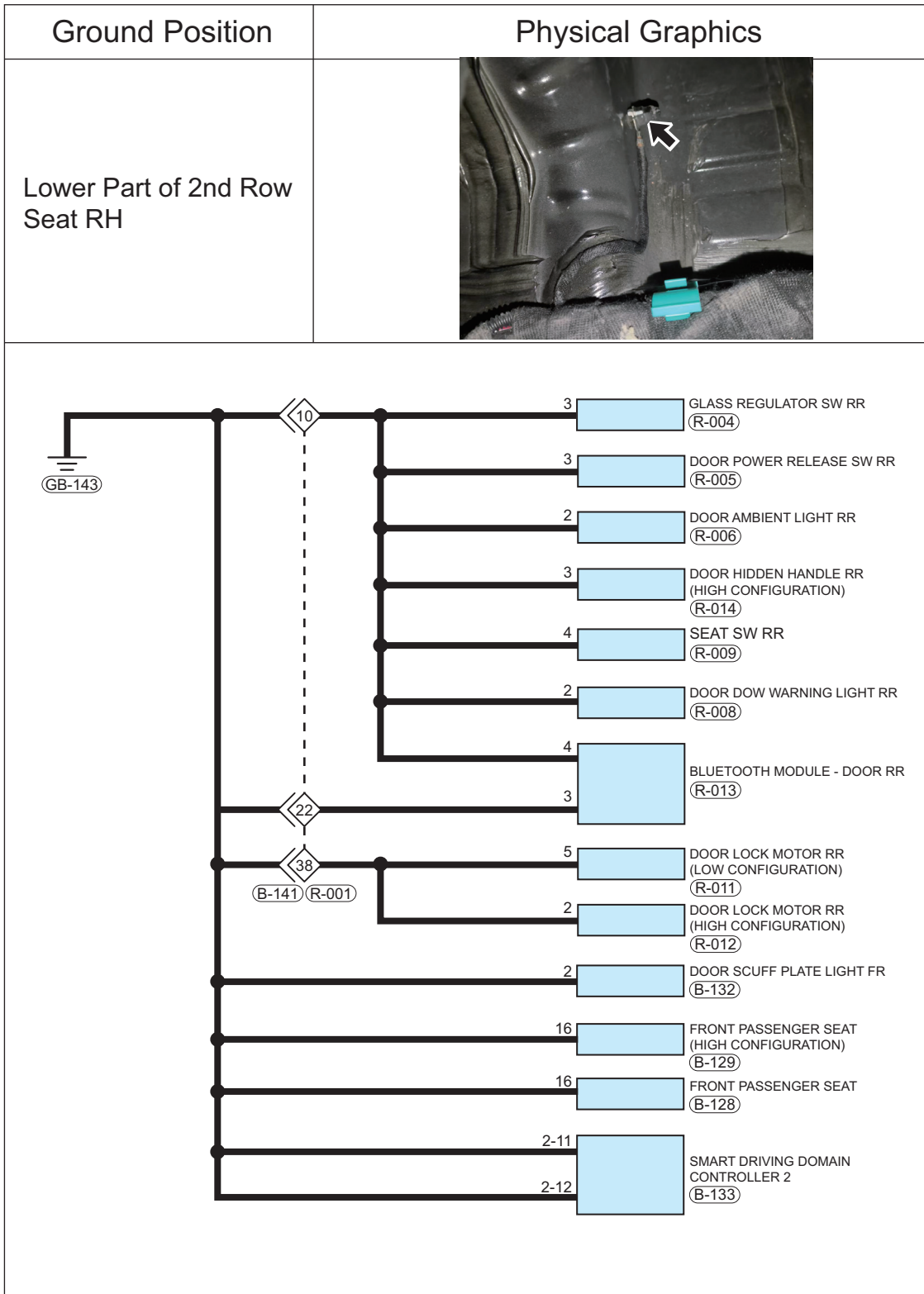
GDE011001

| Ground Position | Physical Graphics |
|--|--|
| <p>Lower Part of A-pillar RH</p> |  |
|  <ul style="list-style-type: none"> 1 DOME LIGHT RR (B-110) 1 VANITY MIRROR LIGHT RH (B-108) 3 ETC (B-111) 2 PASSENGER CAMERA SUPPLEMENT LIGHT (B-075) 2 WINDSHIELD FR HEATING POWER SUPPLY (B-197) 5 REAR VIEW MIRROR RH (H-007) 10 12 3 DOOR POWER RELEASE SW FR (H-010) 3 GLASS REGULATOR SW FR (H-004) 2 DOOR FR AMBIENT LIGHT (H-005) 2 DOOR AMBIENT LIGHT FR - AREA LIGHT SOURCE (H-009) 5 DOOR LOCK MOTOR FR (LOW CONFIGURATION) (H-013) 2 DOOR LOCK MOTOR FR (HIGH CONFIGURATION) (H-014) 3 DOOR HIDDEN HANDLE FR (HIGH CONFIGURATION) (H-016) | |

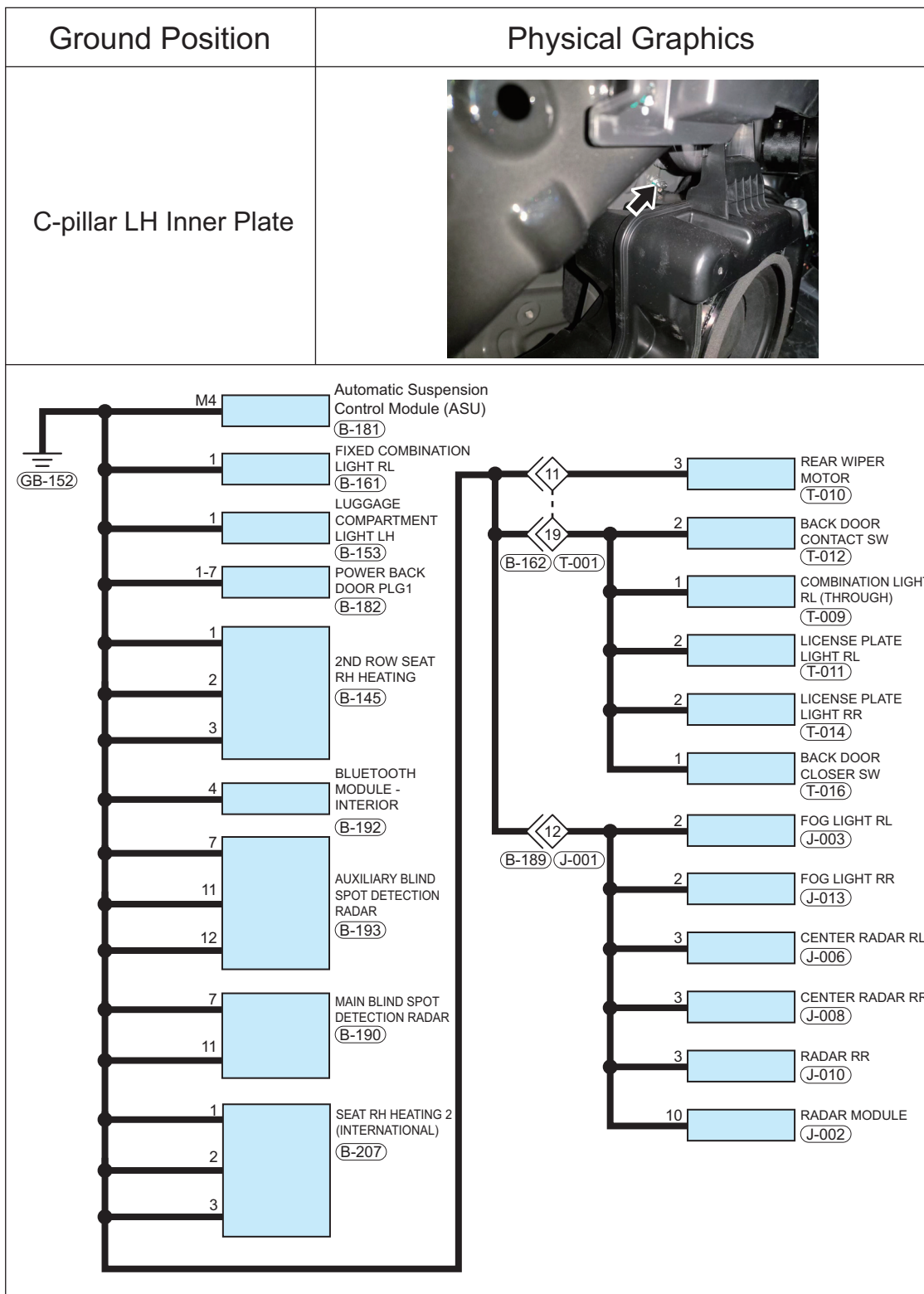
GDE012001



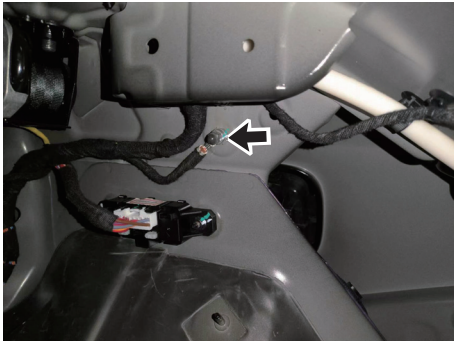

GDE013001





GDE014001





GDE015001


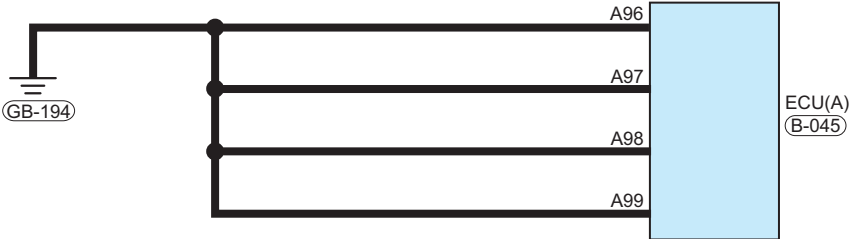
| Ground Position | Physical Graphics |
|---|--|
| <p>Right C-pillar Inner Plate</p> |  |
|  | |

08

| Ground Position | Physical Graphics |
|--|--|
| <p>Upper Part of Wheel Shock Absorber RR</p> |  |
|  | |

GDE016001

| Ground Position | Physical Graphics |
|--|--|
| Lower Part of A-pillar LH |  |
|  | |

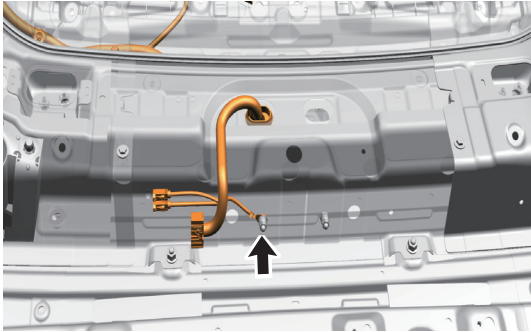

| Ground Position | Physical Graphics |
|--|---|
| Near Brake Fluid Reservoir |  |
|  | |

08

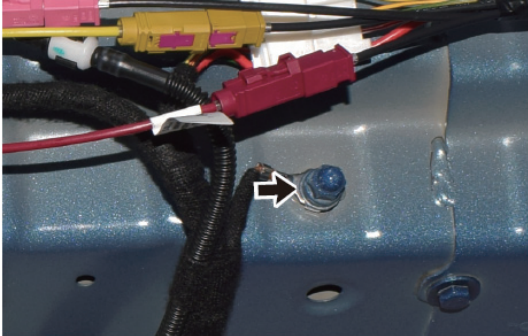
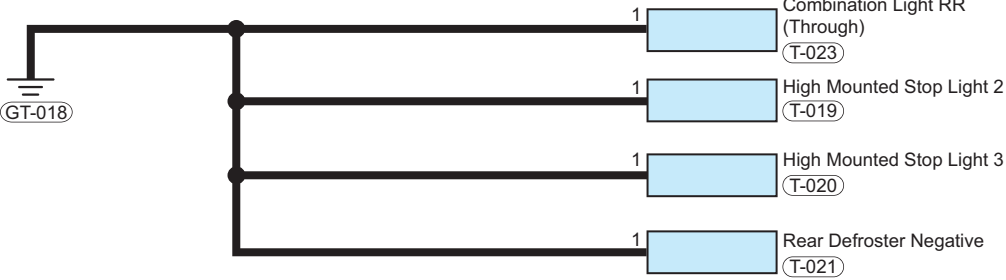
GDE017001

Back Door Wire Harness Ground Point Layout

Back Door wire harness has 2 ground points: GT-018, GT-004

| Ground Position | Physical Graphics |
|--|--|
| Rear Roof Beam |  |
|  | |

08

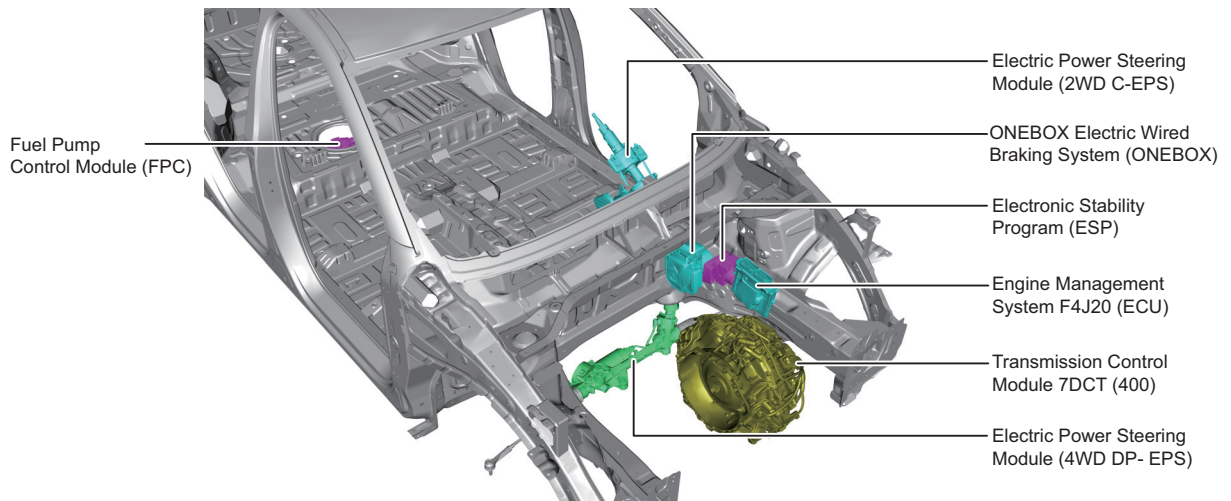
| Ground Position | Physical Graphics |
|--|--|
| Rear Roof Beam |  |
|  | |

GDE018001

Control Module Distribution Diagram and Pin Definition

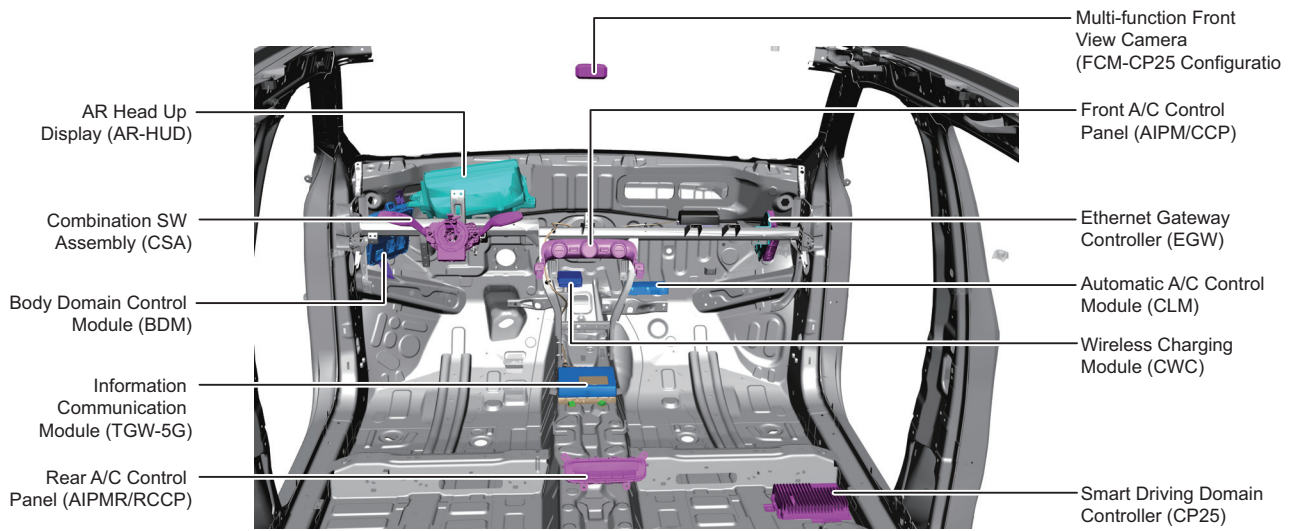
Control Module Distribution Diagram

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

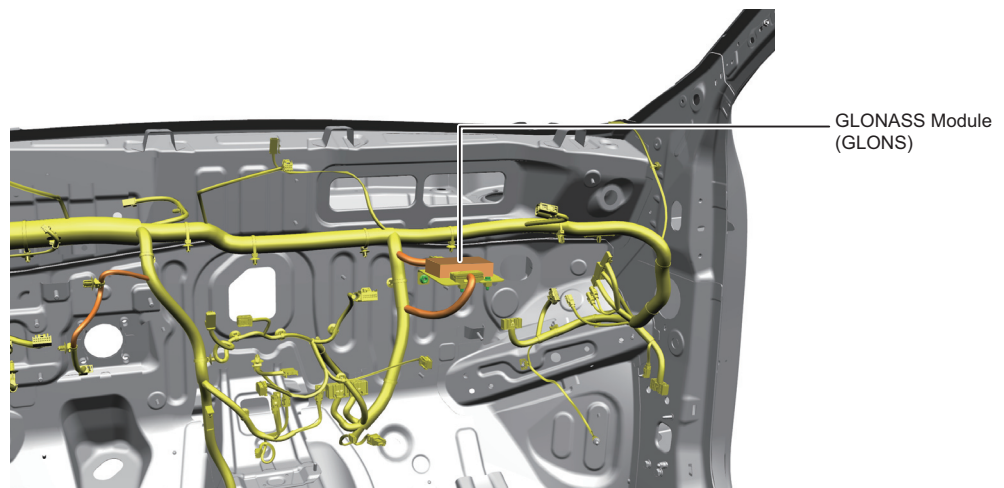


EWD100001

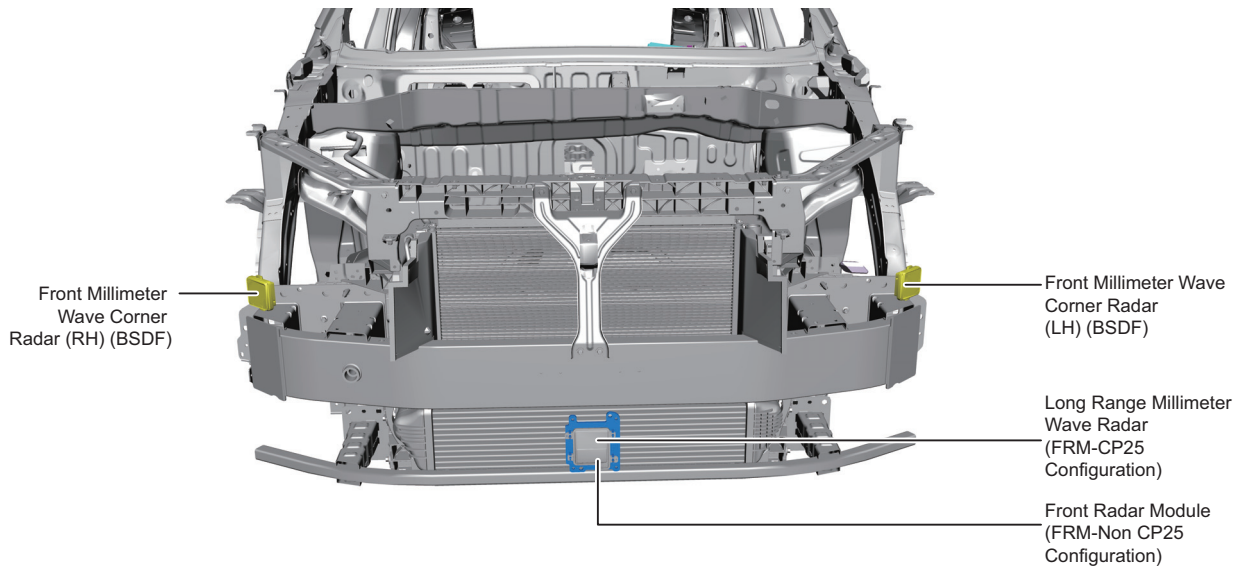
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EWD110001



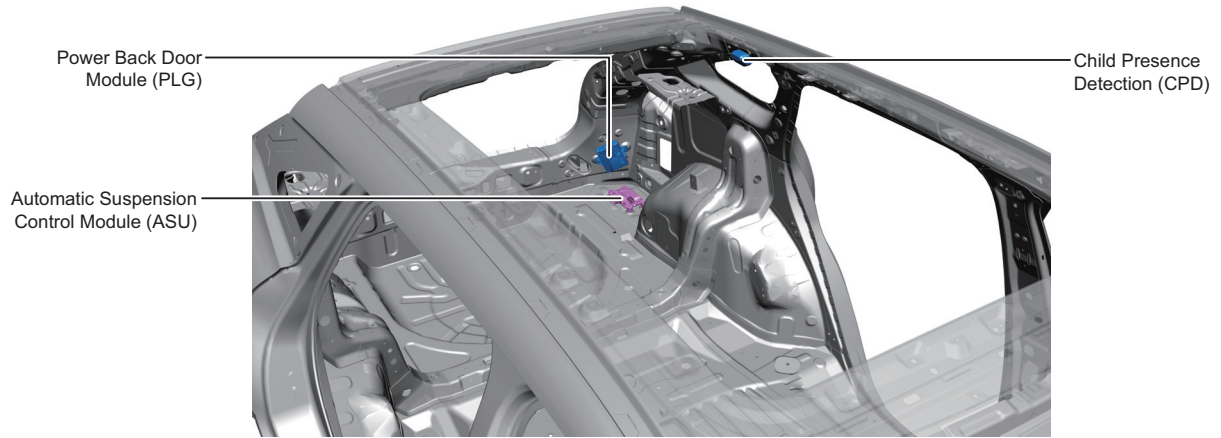
EWD110002



EWD120001

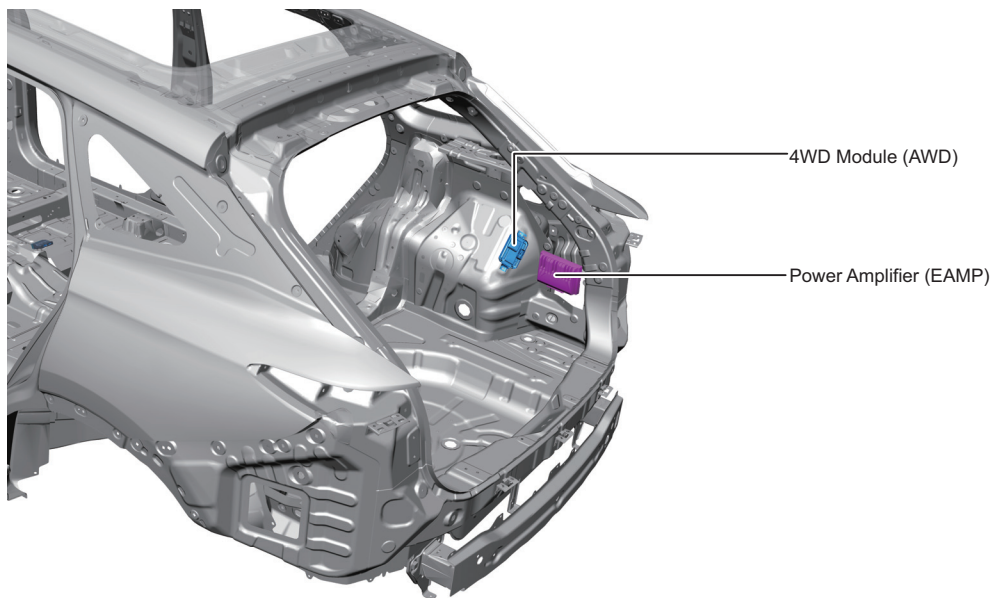


EWD130001

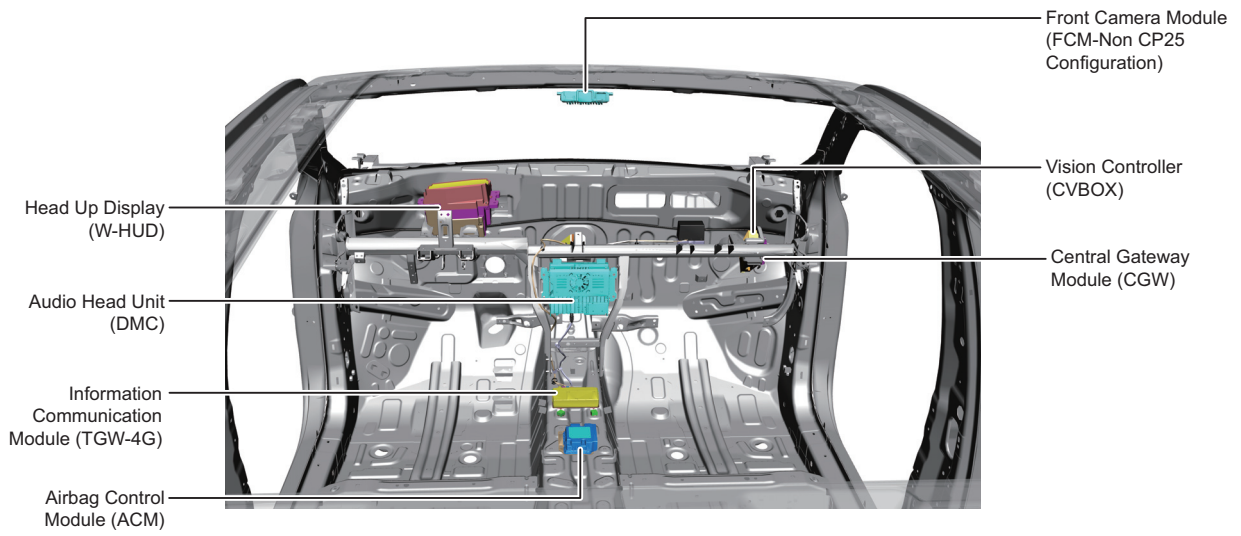


EWD140001

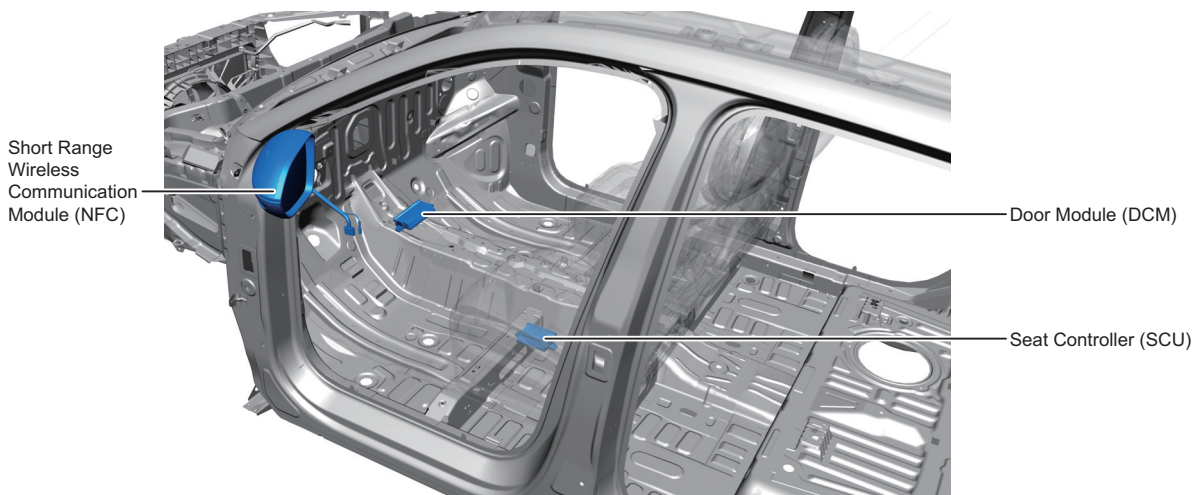
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EWD150001



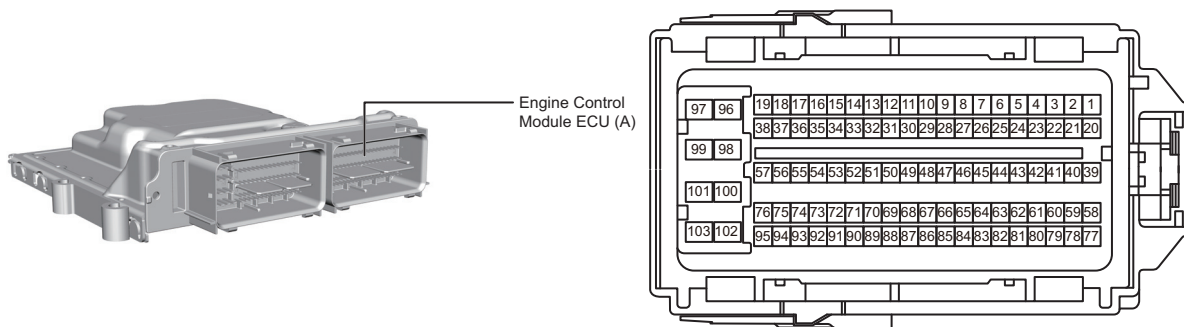
EWD160001



EWD170001

Pin Definition

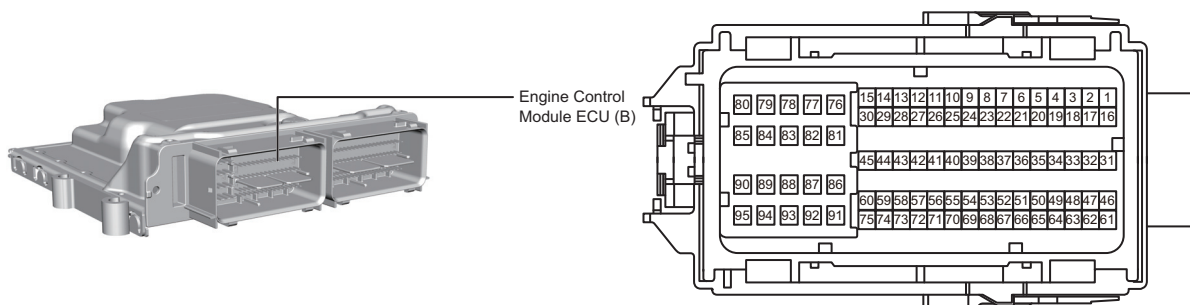
Engine Control Module (ECU-A) Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|--|-----|---------------------------------|
| A1 | Starter Control LSD | A53 | - |
| A2 | - | A54 | - |
| A3 | - | A55 | Brake Light Switch Signal |
| A4 | - | A56 | Brake Switch |
| A5 | Starter Relay | A57 | Starter State Feedback Signal |
| A6 | Main Relay | A58 | Canister Shutoff Solenoid Valve |
| A7 | Crankshaft Ventilation Box Heater Signal | A59 | Variable Oil Pump |
| A8 | Downstream Oxygen Sensor Signal | A60 | Electronic Thermostat |
| A9 | Analog Sensor Ground 5 | A61 | Downstream Oxygen Sensor Heater |
| A10 | - | A62 | Upstream Oxygen Sensor Heating |
| A11 | Analog Sensor Ground 7 | A63 | Continuous Power |
| A12 | Analog Sensor Ground 8 | A64 | Refresh and Body CAN Low |
| A13 | Electronic Accelerator Pedal 1 Ground | A65 | Refresh and Body CAN High |
| A14 | Analog Sensor Power Supply 1 | A66 | Upstream Oxygen IA |
| A15 | Electronic Accelerator Pedal Signal 1 | A67 | Upstream Oxygen VN |
| A16 | Electronic Accelerator Pedal Signal 2 | A68 | - |
| A17 | - | A69 | - |
| A18 | Sensor Power Supply (5V) | A70 | CAN H |
| A19 | - | A71 | CAN L |
| A20 | - | A72 | - |
| A21 | Electronic Vacuum Pump | A73 | - |
| A22 | - | A74 | - |
| A23 | Relay Control | A75 | - |

| Pin | Definition | Pin | Definition |
|-----|---|------|---------------------------|
| A24 | A/C Compressor Relay | A76 | - |
| A25 | Pressure Discharge Control Valve | A77 | - |
| A26 | Fuel Control Enable Signal | A78 | - |
| A27 | Brake Vacuum Sensor | A79 | - |
| A28 | Downstream Oxygen Sensor Ground | A80 | - |
| A29 | Electronic Accelerator Pedal 2 Ground | A81 | - |
| A30 | - | A82 | - |
| A31 | Electronic Accelerator Pedal Power Supply 1 | A83 | - |
| A32 | - | A84 | - |
| A33 | - | A85 | - |
| A34 | A/C Pressure Sensor | A86 | - |
| A35 | - | A87 | - |
| A36 | - | A88 | - |
| A37 | - | A89 | - |
| A38 | - | A90 | - |
| A39 | Continuously Variable Cooling Fan | A91 | - |
| A40 | Variable Valve Timing - Exhaust | A92 | - |
| A41 | Variable Valve Timing - Intake | A93 | - |
| A42 | Canister Control Valve | A94 | - |
| A43 | - | A95 | - |
| A44 | - | A96 | ECU Ground 4 |
| A45 | - | A97 | ECU Ground 3 |
| A46 | Ignition Switch | A98 | ECU Ground 2 |
| A47 | LIN Bus | A99 | ECU Ground 1 |
| A48 | Upstream Oxygen IP | A100 | Main Relay Power Supply 1 |
| A49 | Upstream Oxygen VM | A101 | Main Relay Power Supply 2 |
| A50 | - | A102 | Main Relay Power Supply 3 |
| A51 | Electronic Accelerator Pedal Power Supply 2 | A103 | Main Relay Power Supply 4 |
| A52 | GPF Front Temperature Sensor | | |

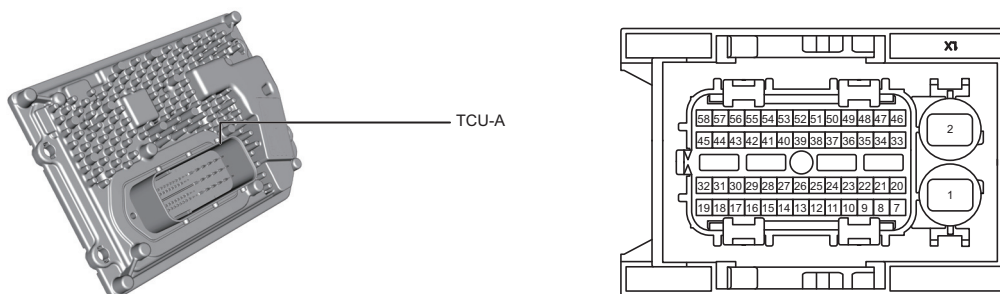
Engine Control Module (ECU-B) Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|--|-----|---------------------------------------|
| B1 | Sensor Power Supply (5V) | B49 | - |
| B2 | Sensor Power Supply (5V) | B50 | - |
| B3 | Sensor Power Supply (5V) | B51 | - |
| B4 | - | B52 | - |
| B5 | Digital Sensor Ground 2 | B53 | - |
| B6 | Analog Sensor Ground 1 | B54 | Electronic Waste Gate Position Signal |
| B7 | Analog Sensor Ground 2 | B55 | - |
| B8 | Analog Sensor Ground 3 | B56 | - |
| B9 | Analog Sensor Ground 4 | B57 | Engine Speed Sensor Signal |
| B10 | Exhaust Phase Sensor Ground | B58 | - |
| B11 | Intake Phase Sensor Ground | B59 | - |
| B12 | 2nd Cylinder Ignition | B60 | - |
| B13 | 4th Cylinder Ignition | B61 | - |
| B14 | 1st Cylinder Ignition | B62 | - |
| B15 | 3rd Cylinder Ignition | B63 | - |
| B16 | Sensor Power Supply (5V) | B64 | - |
| B17 | Exhaust Phase Sensor Power Supply | B65 | - |
| B18 | Speed Sensor Power Supply | B66 | - |
| B19 | - | B67 | - |
| B20 | Speed Sensor Ground | B68 | - |
| B21 | - | B69 | - |
| B22 | Engine Coolant Temperature Sensor Signal 1 | B70 | - |
| B23 | - | B71 | - |
| B24 | Cruise Control Signal | B72 | - |
| B25 | Low Pressure Fuel Rail Pressure Sensor | B73 | - |

| Pin | Definition | Pin | Definition |
|-----|---|-----|--------------------------------|
| B26 | Canister Desorption Pressure Sensor | B74 | - |
| B27 | Boost Pressure Sensor Signal | B75 | - |
| B28 | Intake Pressure Sensor Signal | B76 | 4th Cylinder Injection - |
| B29 | Boost Temperature Sensor Signal | B77 | 4th Cylinder Injection + |
| B30 | Intake Phase Sensor Signal | B78 | 1st Cylinder Injection + |
| B31 | Fuel Tank Pressure Sensor | B79 | 3rd Cylinder Injection - |
| B32 | - | B80 | 2nd Cylinder Injection - |
| B33 | - | B81 | Electronic Wastegate Control - |
| B34 | Electronic Throttle Feedback Signal 2 | B82 | Electronic Wastegate Control + |
| B35 | Engine Coolant Temperature Sensor Signal 2 | B83 | 1st Cylinder Injection - |
| B36 | High Pressure Fuel Rail Pressure Sensor Signal | B84 | 3rd Cylinder Injection + |
| B37 | - | B85 | 2nd Cylinder Injection + |
| B38 | Intake Temperature Sensor Signal | B86 | Electronic Throttle Control - |
| B39 | - | B87 | - |
| B40 | Electronic Throttle Feedback Signal 1 | B88 | - |
| B41 | Dual-mode GPF Differential Pressure Sensor Signal 2 | B89 | - |
| B42 | Dual-mode GPF Differential Pressure Sensor Signal 1 | B90 | Oil Pressure Control Valve - |
| B43 | - | B91 | Electronic Throttle Control + |
| B44 | - | B92 | - |
| B45 | Exhaust Phase Sensor Signal | B93 | - |
| B46 | Knock Sensor Signal A | B94 | - |
| B47 | Knock Sensor Signal B | B95 | Oil Pressure Control Valve + |
| B48 | - | | |

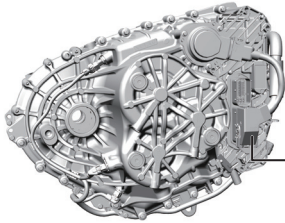
Transmission Control Module (TCU-A) Terminal Definition



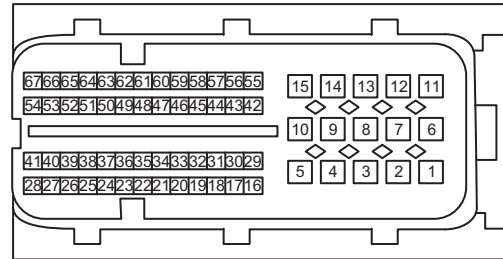
| Pin | Definition | Pin | Definition |
|-----|-----------------------|-----|-----------------------|
| A1 | TCU Power Supply KL30 | A30 | - |
| A2 | TCU Ground | A31 | TCU Power Supply KL15 |
| A3 | - | A32 | - |
| A4 | - | A33 | - |
| A5 | - | A34 | P-CAN H |
| A6 | - | A35 | P-CAN L |
| A7 | - | A36 | CAN H |
| A8 | - | A37 | CAN L |
| A9 | - | A38 | - |
| A10 | - | A39 | - |
| A11 | - | A40 | - |
| A12 | - | A41 | - |
| A13 | - | A42 | - |
| A14 | - | A43 | - |
| A15 | - | A44 | - |
| A16 | - | A45 | - |
| A17 | - | A46 | - |
| A18 | TCU Power Supply KL30 | A47 | - |
| A19 | - | A48 | - |
| A20 | - | A49 | - |
| A21 | - | A50 | - |
| A22 | - | A51 | - |
| A23 | - | A52 | - |
| A24 | - | A53 | - |
| A25 | - | A54 | - |
| A26 | - | A55 | - |
| A27 | - | A56 | - |
| A28 | - | A57 | - |

| Pin | Definition | Pin | Definition |
|-----|------------|-----|------------|
| A29 | - | A58 | - |

Transmission Control Module (TCU-B) Terminal Definition



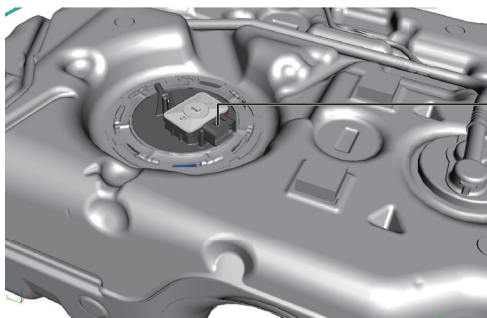
TCU-B



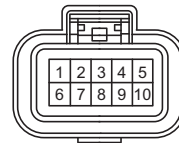
| Pin | Definition | Pin | Definition |
|-----|------------------------------------|-----|---|
| B1 | Clutch Motor 2 Phase U | B35 | - |
| B2 | Clutch Motor 2 Phase V | B36 | Temperature Sensor Ground |
| B3 | Clutch Motor 2 Phase W | B37 | Pressure Sensor 2 Ground |
| B4 | Clutch Motor 1 Phase U | B38 | Pressure Sensor 1 Ground |
| B5 | Clutch Motor 1 Phase V | B39 | - |
| B6 | Shift Motor 1 Phase U | B40 | Input Shaft Speed Sensor 2 Power Supply |
| B7 | Shift Motor 1 Phase V | B41 | Input Shaft Speed Sensor 1 Power Supply |
| B8 | Shift Motor 1 Phase W | B42 | Cooling Motor Signal |
| B9 | Shift Motor 2 Phase U | B43 | Shift Motor 2 Signal |
| B10 | Clutch Motor 1 Phase W | B44 | Shift Motor 1 Signal |
| B11 | Cooling Motor Phase U | B45 | Clutch Motor 2 Signal |
| B12 | Cooling Motor Phase V | B46 | Clutch Motor 1 Signal |
| B13 | Cooling Motor Phase W | B47 | Shift Motor 1 Sensor Power Supply |
| B14 | Shift Motor 2 Phase V | B48 | Shift Motor 1 Signal |
| B15 | Shift Motor 2 phase W | B49 | Shift Motor 2 Signal |
| B16 | Cooling Motor Signal | B50 | Pressure Sensor 2 Power Supply |
| B17 | Shift Motor 2 Signal | B51 | Pressure Sensor 1 Power Supply |
| B18 | Shift Motor 1 Signal | B52 | - |
| B19 | Clutch Motor 2 Signal | B53 | Gear Position Sensor Power Supply |
| B20 | Clutch Motor 1 Signal | B54 | Gear Position Sensor - PWM1 |
| B21 | Clutch Motor 1 Sensor Power Supply | B55 | Cooling Motor Sensor Ground |
| B22 | - | B56 | Shift Motor 2 Signal Ground |
| B23 | Temperature Sensor Signal | B57 | Shift Motor 1 Signal Ground |

| Pin | Definition | Pin | Definition |
|-----|------------------------------------|-----|------------------------------------|
| B24 | Pressure Sensor 2 Signal | B58 | Clutch Motor 2 Signal Ground |
| B25 | Pressure Sensor 1 Signal | B59 | Clutch Motor 1 Signal Ground |
| B26 | - | B60 | Cooling Motor Sensor Power Supply |
| B27 | Input Shaft Speed Sensor 2 Signal | B61 | Shift Motor 2 Position Signal |
| B28 | Input Shaft Speed Sensor 1 Signal | B62 | - |
| B29 | Cooling Motor Signal | B63 | - |
| B30 | Shift Motor 2 Signal | B64 | - |
| B31 | Shift Motor 1 Signal | B65 | - |
| B32 | Clutch Motor 2 Signal | B66 | Gear Position Sensor Signal Ground |
| B33 | Clutch Motor 1 Signal | B67 | Gear Position Sensor - PWM2 |
| B34 | Clutch Motor 2 Sensor Power Supply | | |

Fuel Pump Controller (FPC) Terminal Definition



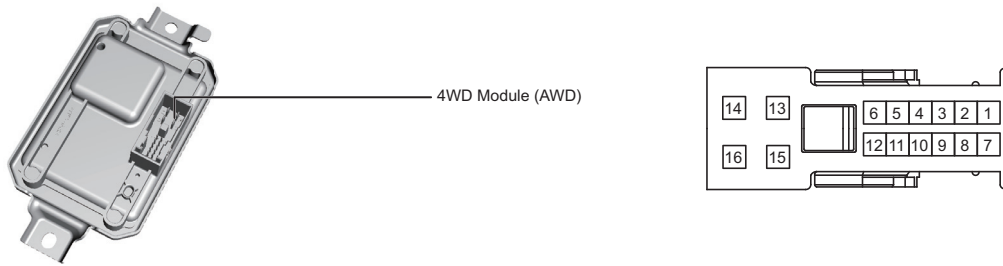
Oil Pump Controller (FPC)



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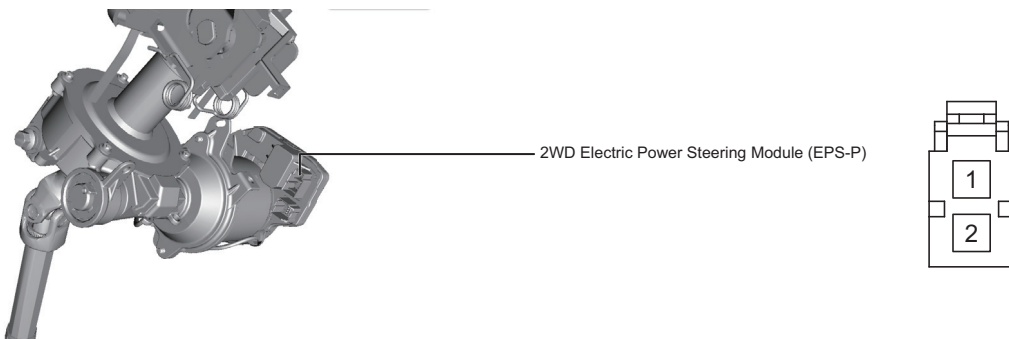
| Pin | Definition | Pin | Definition |
|-----|----------------------|-----|----------------------|
| 1 | - | 6 | Electric Fuel Pump + |
| 2 | - | 7 | Electric Fuel Pump - |
| 3 | PWM- | 8 | - |
| 4 | - | 9 | Fluid Level Sensor |
| 5 | Fluid Level Sensor - | 10 | Fluid Level Sensor + |

4WD Module (AWD) Terminal Definition



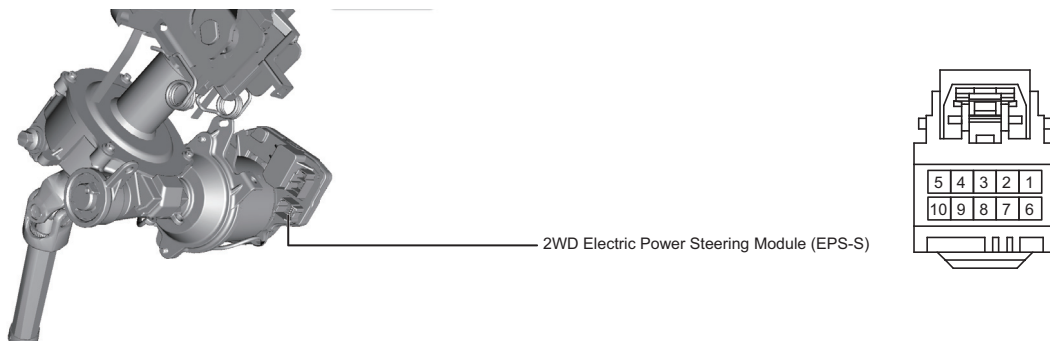
| Pin | Definition | Pin | Definition |
|-----|--------------------------|-----|----------------------|
| 1 | Hall Sensor Power Supply | 9 | S-CAN H |
| 2 | - | 10 | Temperature Sensor - |
| 3 | - | 11 | Hall Sensor Signal 2 |
| 4 | Temperature Sensor + | 12 | Hall Sensor Ground |
| 5 | Hall Sensor Signal 1 | 13 | Motor + |
| 6 | KL15 | 14 | Motor - |
| 7 | Shield Signal | 15 | KL30 |
| 8 | S-CAN L | 16 | Ground |

2WD Electric Power Steering Module (EPS-P) Terminal Definition



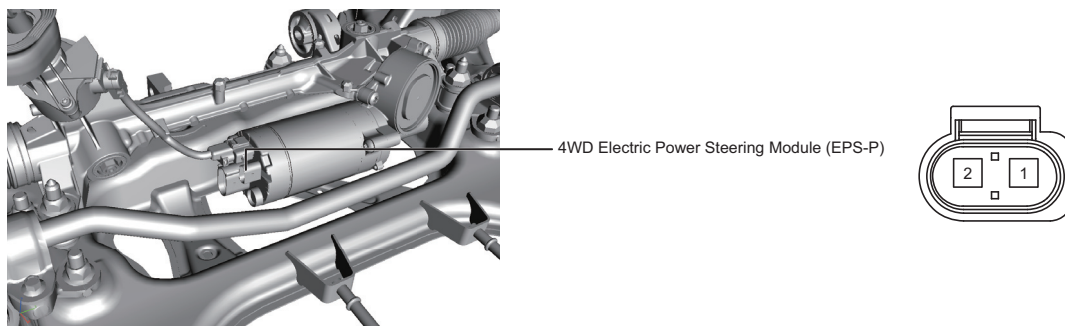
| Pin | Definition | Pin | Definition |
|-----|--------------|-----|------------|
| P-1 | Power Supply | P-2 | Ground |

2WD Electric Power Steering Module (EPS-S) Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|-----------------|------|------------|
| S-1 | Ignition Signal | S-6 | - |
| S-2 | C-CAN H | S-7 | - |
| S-3 | - | S-8 | - |
| S-4 | C-CAN L | S-9 | - |
| S-5 | - | S-10 | - |

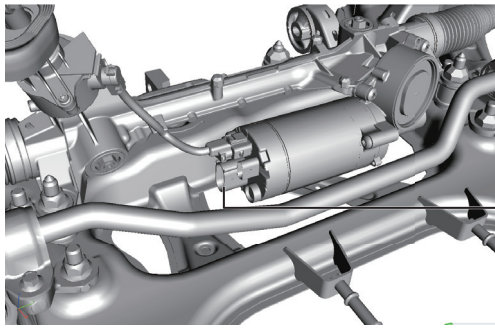
4WD Electric Power Steering Module (EPS-P) Terminal Definition



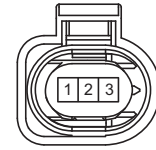
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| Pin | Definition | Pin | Definition |
|-----|--------------|-----|------------|
| P-1 | Power Supply | P-2 | Ground |

4WD Electric Power Steering Module (EPS-S) Terminal Definition

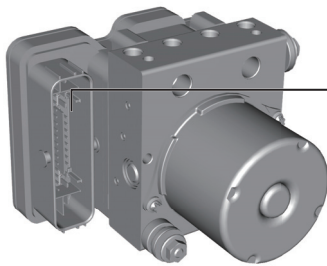


4WD Electric Power Steering Module (EPS-S)

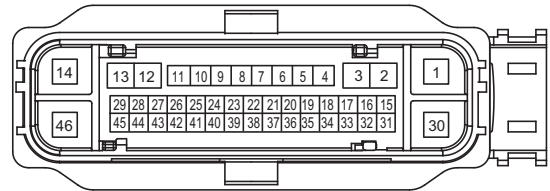


| Pin | Definition | Pin | Definition |
|-----|------------|-----|-----------------|
| S-1 | C-CAN L | S-3 | Ignition Signal |
| S-2 | C-CAN H | | |

Body Electronic Stability Control Module (ESP&EPB) Terminal Definition



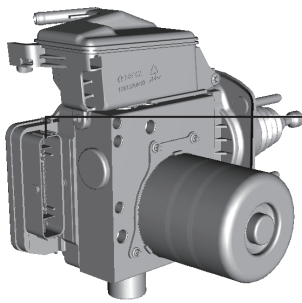
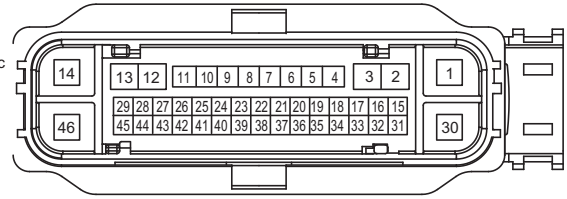
Body Electronic Stability Control Module (ESP & EPB)



| Pin | Definition | Pin | Definition |
|-----|---|-----|----------------------|
| 1 | Motor Power Supply End (Positive) | 24 | EPB Switch Pin 4 |
| 2 | Rear Right Caliper Motor Power Supply | 25 | - |
| 3 | Rear Right Caliper Motor Ground | 26 | - |
| 4 | Front Right Wheel Speed Sensor Signal Wire | 27 | EPB Switch Indicator |
| 5 | Front Right Wheel Speed Sensor Power Supply | 28 | - |
| 6 | Rear Left Wheel Speed Sensor Signal Wire | 29 | - |
| 7 | Rear Left Wheel Speed Sensor Power Supply | 30 | Power Supply |
| 8 | Front Left Wheel Speed Sensor Signal Wire | 31 | P-CAN H |
| 9 | Front Left Wheel Speed Sensor Power Supply | 32 | P-CAN L |

| Pin | Definition | Pin | Definition |
|-----|--|-----|-----------------|
| 10 | Rear Right Wheel Speed Sensor Signal Wire | 33 | - |
| 11 | Rear Right Wheel Speed Sensor Power Supply | 34 | - |
| 12 | Rear Left Caliper Motor Ground | 35 | Ignition Signal |
| 13 | Rear Left Caliper Motor Power Supply | 36 | - |
| 14 | ECU Ground | 37 | - |
| 15 | - | 38 | - |
| 16 | - | 39 | Brake Switch |
| 17 | EPB Switch Pin 1 | 40 | - |
| 18 | EPB Switch Pin 6 | 41 | - |
| 19 | EPB Switch Pin 3 | 42 | C-CAN H |
| 20 | - | 43 | C-CAN L |
| 21 | - | 44 | - |
| 22 | - | 45 | - |
| 23 | - | 46 | - |

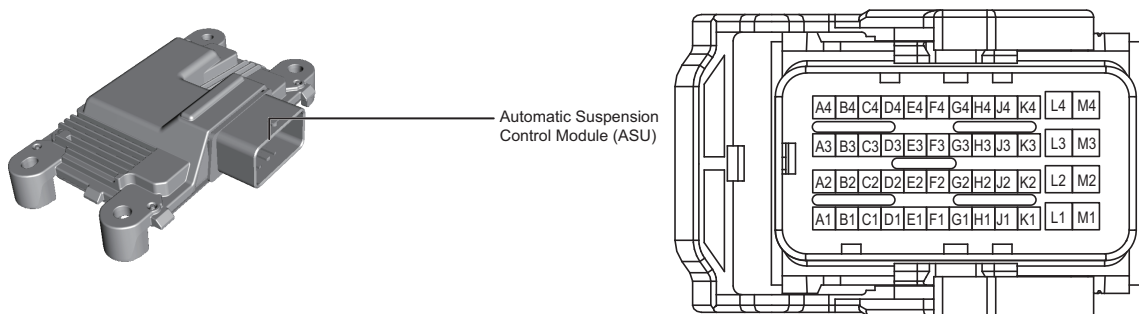
ONEBOX Electric Wired Braking System Terminal Definition

ONEBOX Electric
Wired Braking
System

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

| Pin | Definition | Pin | Definition |
|-----|--|-----|--------------|
| 23 | Rear Left Wheel Speed Sensor Signal Wire | 46 | Power Supply |

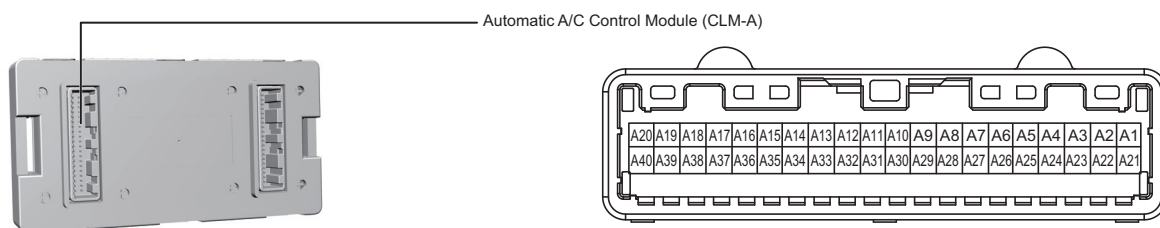
Automatic Suspension Control Module (ASU) Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|--|-----|---|
| A1 | Front Left Wheel Shock Absorber Valve + | G1 | Rear Right Wheel Shock Absorber Valve + |
| A2 | Front Right Wheel Acceleration Sensor Ground | G2 | Front Left Body Acceleration Sensor Ground |
| A3 | Front Right Wheel Acceleration Sensor Signal | G3 | Front Left Body Acceleration Sensor Signal |
| A4 | - | G4 | - |
| B1 | Front Left Wheel Shock Absorber Valve - | H1 | Rear Right Wheel Shock Absorber Valve - |
| B2 | VCC | H2 | VSE |
| B3 | - | H3 | Front Right Body Acceleration Sensor Ground |
| B4 | - | H4 | - |
| C1 | Front Right Wheel Shock Absorber Valve + | J1 | Rear Left Body Acceleration Sensor Ground |
| C2 | - | J2 | Front Right Body Acceleration Sensor Signal |
| C3 | - | J3 | VSE |
| C4 | - | J4 | Front Left Wheel Acceleration Sensor Ground |
| D1 | Front Right Wheel Shock Absorber Valve - | K1 | VSE |
| D2 | - | K2 | Rear Left Body Acceleration Sensor Signal |
| D3 | - | K3 | Front Left Wheel Acceleration Sensor Signal |
| D4 | - | K4 | VCC |

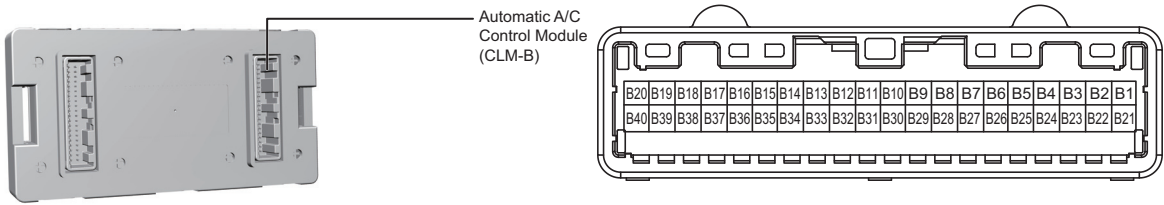
| Pin | Definition | Pin | Definition |
|-----|--|-----|--------------|
| E1 | Rear Left Wheel Shock Absorber Valve + | L1 | - |
| E2 | - | L2 | - |
| E3 | - | L3 | C-CAN H |
| E4 | - | L4 | - |
| F1 | Rear Left Wheel Shock Absorber Valve - | M1 | Power Supply |
| F2 | - | M2 | - |
| F3 | - | M3 | C-CAN L |
| F4 | - | M4 | Ground |

Automatic A/C Control Module (CLM-A) Terminal Definition



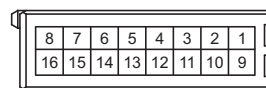
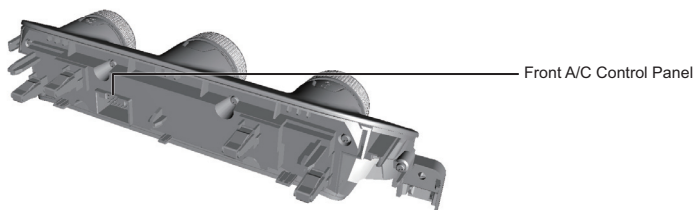
| Pin | Definition | Pin | Definition |
|-----|----------------------------------|-----|---|
| A1 | Left Mix Damper Motor P1 | A21 | Ground |
| A2 | Left Mix Damper Motor P4 | A22 | Sensor Ground |
| A3 | Left Mix Damper Motor P3 | A23 | - |
| A4 | Right Mix Damper Motor P2 | A24 | - |
| A5 | Right Mix Damper Motor P1 | A25 | - |
| A6 | Right Mix Damper Motor P4 | A26 | PM2.5 Sensor 2 Signal |
| A7 | Right Mix Damper Motor P3 | A27 | Outlet Temperature Sensor |
| A8 | Blower Relay | A28 | Evaporator Temperature Sensor + |
| A9 | AQS Signal | A29 | Outside Temperature Sensor + |
| A10 | B-CAN H | A30 | PM2.5 Sensor 1 Signal |
| A11 | B-CAN L | A31 | Left Foot Outlet |
| A12 | Ignition Signal | A32 | Feedback Signal |
| A13 | Mode Damper Motor P2 | A33 | Blower Speed Control |
| A14 | Mode Damper Motor P1 | A34 | Right Foot Outlet |
| A15 | Mode Damper Motor P4 | A35 | - |
| A16 | Mode Damper Motor P3 | A36 | Sensor Power Supply |
| A17 | Inner/Outer Circulation Motor P4 | A37 | KL30 Power Supply |
| A18 | Inner/Outer Circulation Motor P3 | A38 | Compressor External Control Valve Drive + |
| A19 | Inner/Outer Circulation Motor P2 | A39 | Compressor External Control Valve Drive - |
| A20 | Inner/Outer Circulation Motor P1 | A40 | Left Mix Damper Motor P2 |

Automatic A/C Control Module (CLM-B) Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|-----------------------------------|-----|---------------------|
| B1 | - | B21 | - |
| B2 | - | B22 | - |
| B3 | - | B23 | - |
| B4 | - | B24 | - |
| B5 | - | B25 | LIN Signal |
| B6 | - | B26 | - |
| B7 | - | B27 | - |
| B8 | - | B28 | - |
| B9 | - | B29 | PTC1 |
| B10 | - | B30 | - |
| B11 | - | B31 | PTC2 |
| B12 | - | B32 | - |
| B13 | - | B33 | Negative Ion Signal |
| B14 | Second Row Blower Control Signal | B34 | - |
| B15 | Second Row Blower Relay | B35 | - |
| B16 | Second Row Blower Speed Control | B36 | - |
| B17 | Second Row Blower Feedback Signal | B37 | - |
| B18 | - | B38 | - |
| B19 | - | B39 | - |
| B20 | Negative Ion Enable Signal | B40 | - |

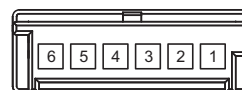
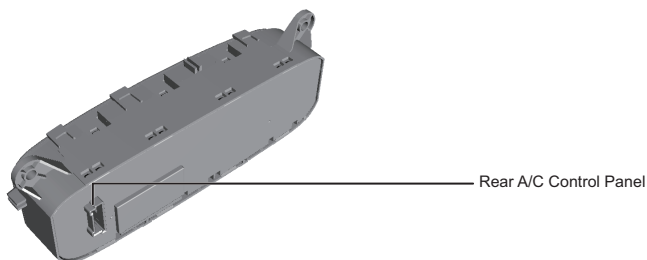
Front A/C Control Panel Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|-------------------------|-----|------------|
| 1 | - | 9 | - |
| 2 | - | 10 | - |
| 3 | Rear Defroster Feedback | 11 | - |
| 4 | B-CAN H | 12 | - |
| 5 | B-CAN L | 13 | - |
| 6 | - | 14 | - |
| 7 | Ground | 15 | - |
| 8 | KL15 | 16 | KL30 |

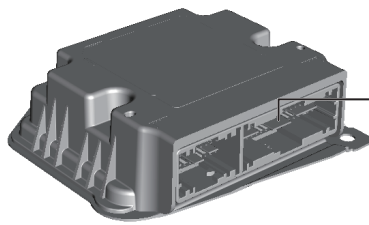
Rear A/C Control Panel Terminal Definition

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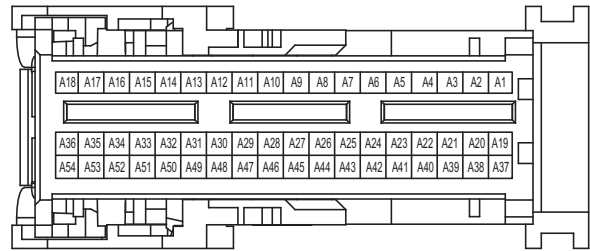


| Pin | Definition | Pin | Definition |
|-----|------------|-----|------------|
| 1 | B-CAN H | 4 | - |
| 2 | B-CAN L | 5 | KL30 |
| 3 | KL15 | 6 | Ground |

Airbag Control Module A Terminal Definition



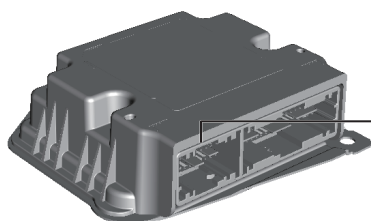
Airbag Control Module A



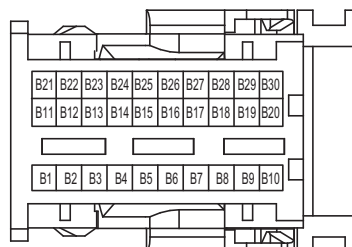
| Pin | Definition | Pin | Definition |
|-----|---|-----|--|
| A1 | - | A28 | - |
| A2 | - | A29 | Front Left Collision Sensor + |
| A3 | - | A30 | Front Left Collision Sensor - |
| A4 | - | A31 | Front Passenger Seat Belt Retractor Pretensioner - |
| A5 | - | A32 | Front Passenger Seat Belt Retractor Pretensioner + |
| A6 | - | A33 | Front Passenger Airbag + |
| A7 | - | A34 | Front Passenger Airbag - |
| A8 | - | A35 | - |
| A9 | Sensor | A36 | - |
| A10 | - | A37 | - |
| A11 | Front Right Collision Sensor + | A38 | - |
| A12 | Front Right Collision Sensor - | A39 | - |
| A13 | Driver Seat Belt Retractor Pretensioner - | A40 | - |
| A14 | Driver Seat Belt Retractor Pretensioner + | A41 | - |
| A15 | - | A42 | - |
| A16 | - | A43 | - |
| A17 | Driver Airbag - | A44 | - |
| A18 | Driver Airbag + | A45 | - |
| A19 | - | A46 | - |
| A20 | - | A47 | - |
| A21 | - | A48 | - |
| A22 | - | A49 | Driver Knee Airbag - |
| A23 | S-CAN H | A50 | Driver Knee Airbag + |
| A24 | S-CAN L | A51 | Far Side Airbag + |
| A25 | Sensor Ground | A52 | Far Side Airbag - |

| Pin | Definition | Pin | Definition |
|-----|------------------|-----|------------|
| A26 | - | A53 | - |
| A27 | Collision Output | A54 | - |

Airbag Control Module B Terminal Definition

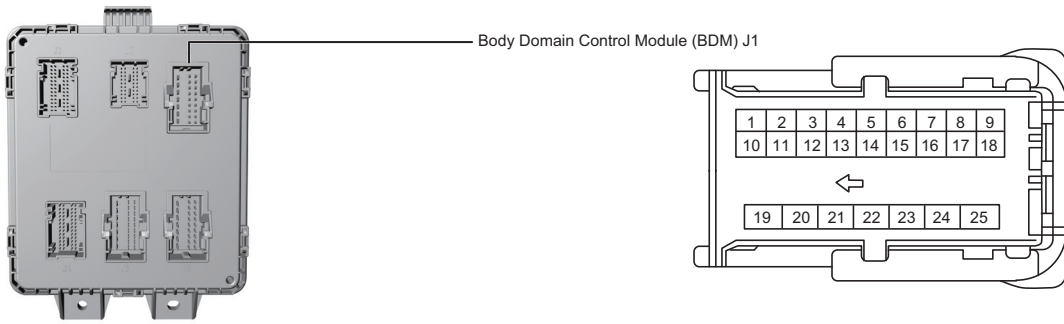


Airbag Control Module B

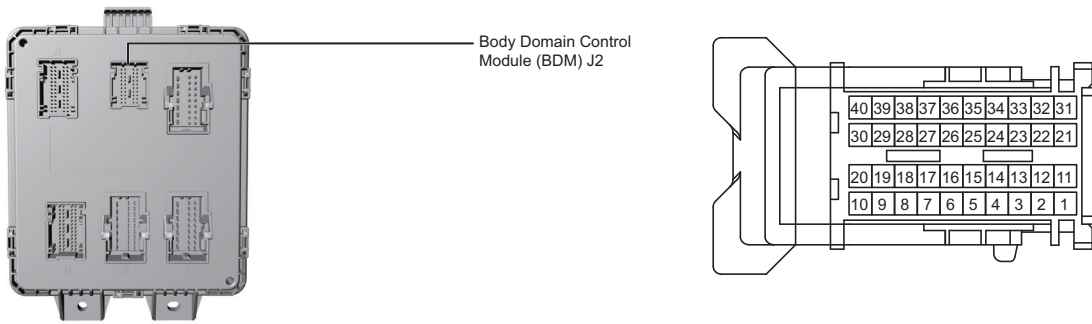


| Pin | Definition | Pin | Definition |
|-----|-------------------------------------|-----|------------------------------------|
| B1 | Second Row Middle Seat Belt Buckle | B16 | Driver Seat Side Airbag + |
| B2 | Front Passenger Seat Belt Buckle | B17 | Driver Seat Side Airbag - |
| B3 | - | B18 | Front Passenger Seat Side Airbag - |
| B4 | Driver Side Collision Sensor + | B19 | Front Passenger Seat Side Airbag + |
| B5 | Driver Side Collision Sensor - | B20 | - |
| B6 | Passenger Side Collision Sensor - | B21 | Second Row Left Seat Belt Buckle |
| B7 | Passenger Side Collision Sensor + | B22 | - |
| B8 | - | B23 | Sensor Ground |
| B9 | - | B24 | Rear Left Seat Belt Pretensioner - |
| B10 | Ground | B25 | Rear Left Seat Belt Pretensioner + |
| B11 | Second Row Right Seat Belt Buckle | B26 | Left Side Curtain Shield Airbag + |
| B12 | - | B27 | Left Side Curtain Shield Airbag - |
| B13 | - | B28 | Right Side Curtain Shield Airbag - |
| B14 | Rear Right Seat Belt Pretensioner - | B29 | Right Side Curtain Shield Airbag + |
| B15 | Rear Right Seat Belt Pretensioner + | B30 | Power Supply |

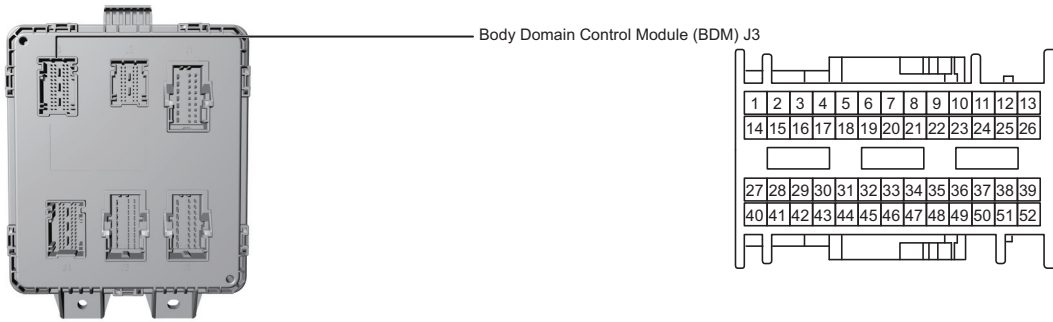
Body Domain Controller (BDM) Terminal Definition



| Pin | Definition | Pin | Definition |
|-------|-----------------------------------|-------|--|
| J1-01 | Left High Beam Light Output | J1-14 | Battery Save Output |
| J1-02 | Left Daytime Running Light Output | J1-15 | - |
| J1-03 | - | J1-16 | Door Lock (Front Left/Fuel Tank Cap) Unlock Output |
| J1-04 | - | J1-17 | Rear View Mirror Unfolding Output |
| J1-05 | Rear Fog Light Output | J1-18 | - |
| J1-06 | - | J1-19 | Power Supply_4 |
| J1-07 | - | J1-20 | Ground 7 |
| J1-08 | - | J1-21 | Door Lock (Front Right/ Rear Left/ Rear Right) Unlock Output |
| J1-09 | Rear View Mirror Folding Output | J1-22 | Door Lock Output |
| J1-10 | Front Position Light | J1-23 | Power Supply_5 |
| J1-11 | Left Low Beam Light Output | J1-24 | Power Supply_6 |
| J1-12 | - | J1-25 | Power Supply_9 |
| J1-13 | - | | |

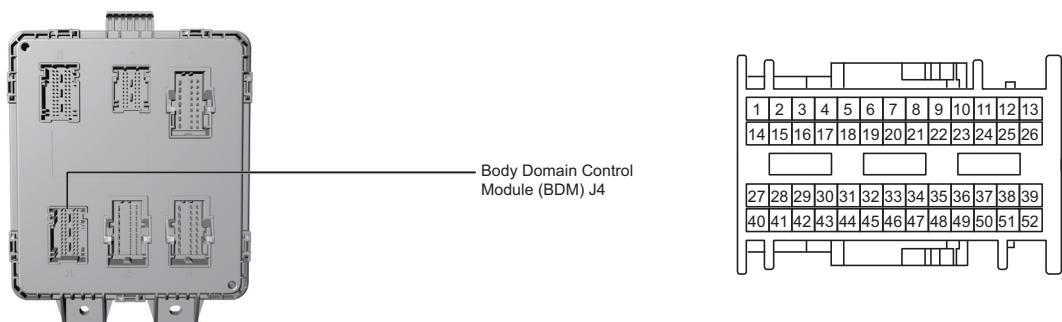


| Pin | Definition | Pin | Definition |
|-------|--|-------|-----------------------------------|
| J2-01 | - | J2-21 | B-CAN L |
| J2-02 | - | J2-22 | - |
| J2-03 | LIN1 | J2-23 | LIN4 |
| J2-04 | Right Adjustment Common End | J2-24 | LIN3 |
| J2-05 | Right Horizontal Adjustment | J2-25 | - |
| J2-06 | Left Horizontal Adjustment | J2-26 | - |
| J2-07 | Rear Right Door Open Signal Input | J2-27 | - |
| J2-08 | Rear Left Door Open Signal Input | J2-28 | - |
| J2-09 | Front Right Door Open Signal Input | J2-29 | - |
| J2-10 | Front Left Door Open Signal Input | J2-30 | - |
| J2-11 | Ground 4 | J2-31 | B-CAN H |
| J2-12 | Brake Pedal Switch Input | J2-32 | - |
| J2-13 | LIN2 | J2-33 | - |
| J2-14 | Right Vertical Adjustment | J2-34 | - |
| J2-15 | Left Vertical Adjustment | J2-35 | Turn Light Flow Enable |
| J2-16 | Left Adjustment Common End | J2-36 | Position Light Flow Enable Output |
| J2-17 | Door Lock State Input | J2-37 | - |
| J2-18 | - | J2-38 | - |
| J2-19 | Engine Compartment Cover Open Signal Input | J2-39 | - |
| J2-20 | - | J2-40 | - |



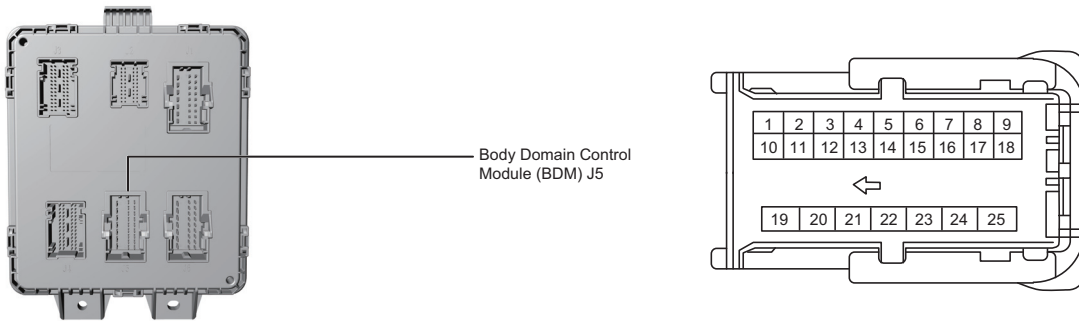
| Pin | Definition | Pin | Definition |
|-------|--|-------|--|
| J3-01 | - | J3-27 | Antenna1 - (Front) |
| J3-02 | - | J3-28 | Rear Right High Performance Antenna + |
| J3-03 | Front Right Door Handle Signal Input + | J3-29 | Rear Left High Performance Antenna + |
| J3-04 | Front Left Door Handle Signal Input + | J3-30 | Interior Front Antenna - |
| J3-05 | - | J3-31 | Interior Rear Bumper Antenna + |
| J3-06 | - | J3-32 | Front Wiper Stop Position Input |
| J3-07 | - | J3-33 | Rear Turn Light Diagnostic Feedback Input (Movable Side) |
| J3-08 | - | J3-34 | Rear Right Child-protector Lock State Feedback |
| J3-09 | IGN Relay Drive | J3-35 | Rear Left Child-protector Lock State Feedback |
| J3-10 | Rear Wiper Output | J3-36 | Rear Turn Light Diagnostic Feedback Input (Fixed Side) |
| J3-11 | Rear Washer Output | J3-37 | Front Turn Light Diagnostic Feedback Input |
| J3-12 | High/Low Pitched Horn Output | J3-38 | - |
| J3-13 | Front Washer Output | J3-39 | Rear Wiper Stop Position Input |
| J3-14 | - | J3-40 | Antenna1 + (Front) |
| J3-15 | Front Left Windshield Heating Power Supply | J3-41 | Rear Right High Performance Antenna - |
| J3-16 | - | J3-42 | Rear Left High Performance Antenna - |
| J3-17 | - | J3-43 | Interior Front Antenna + |
| J3-18 | - | J3-44 | Interior Rear Bumper Antenna - |
| J3-19 | - | J3-45 | - |
| J3-20 | - | J3-46 | Passenger Side Switch--Control Rear Right Window Input |
| J3-21 | - | J3-47 | Passenger Side Switch--Control Rear Left Window Input |

| Pin | Definition | Pin | Definition |
|-------|---|-------|---|
| J3-22 | ACC Relay Drive | J3-48 | Passenger Side Switch--Control Front Passenger Window Input |
| J3-23 | Front Right Windshield Heating Power Supply | J3-49 | - |
| J3-24 | Front Wiper Low Speed Output | J3-50 | - |
| J3-25 | Rear Windshield/Rear View Mirror Heating Output | J3-51 | - |
| J3-26 | Front Wiper High Speed Output | J3-52 | - |

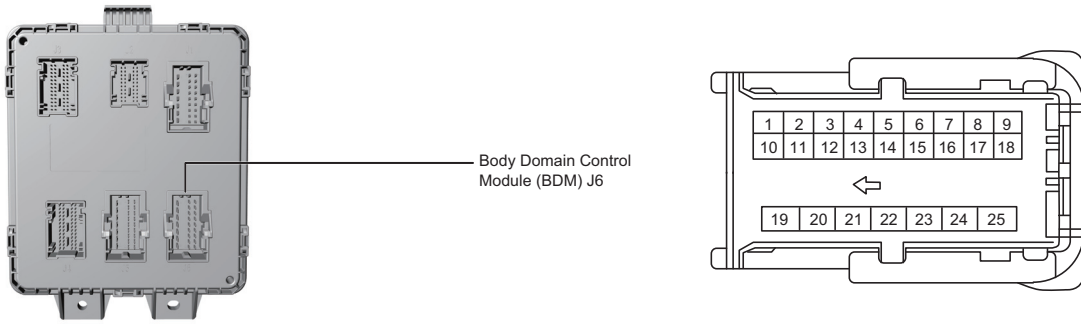


| Pin | Definition | Pin | Definition |
|-------|--|-------|--|
| J4-01 | Ground 3 | J4-27 | - |
| J4-02 | - | J4-28 | - |
| J4-03 | - | J4-29 | - |
| J4-04 | - | J4-30 | - |
| J4-05 | - | J4-31 | - |
| J4-06 | - | J4-32 | ENGINE START STOP Switch Input 2 |
| J4-07 | ENGINE START STOP Switch Indicator (Backlight) | J4-33 | ENGINE START STOP Switch Input 1 |
| J4-08 | - | J4-34 | IGN Power Supply Feedback |
| J4-09 | Hazard Light Switch Indicator | J4-35 | ACC Power Supply Feedback |
| J4-10 | - | J4-36 | - |
| J4-11 | DA-CAN H | J4-37 | High/Low Pitched Horn Switch Input |
| J4-12 | - | J4-38 | Hazard Light Switch Input |
| J4-13 | - | J4-39 | Driver Side Power Back Door Switch Input |
| J4-14 | Collision Hardwire Input | J4-40 | - |
| J4-15 | - | J4-41 | - |
| J4-16 | - | J4-42 | - |
| J4-17 | - | J4-43 | Power Supply |
| J4-18 | - | J4-44 | - |

| Pin | Definition | Pin | Definition |
|-------|------------------------------|-------|------------|
| J4-19 | - | J4-45 | - |
| J4-20 | - | J4-46 | - |
| J4-21 | - | J4-47 | - |
| J4-22 | Steering Wheel Heating Relay | J4-48 | - |
| J4-23 | - | J4-49 | - |
| J4-24 | DA-CAN L | J4-50 | - |
| J4-25 | - | J4-51 | - |
| J4-26 | LIN5 | J4-52 | - |

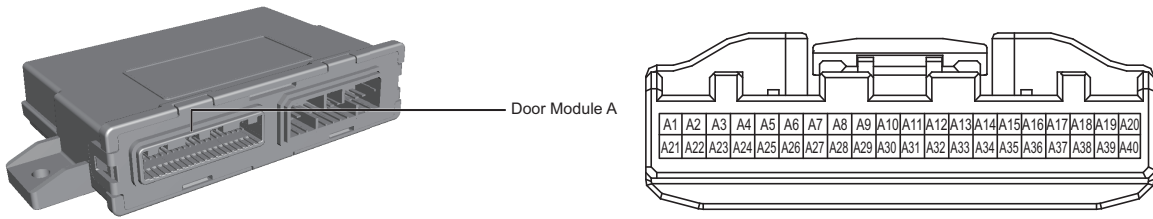


| Pin | Definition | Pin | Definition |
|-------|------------------------------|-------|-------------------------------|
| J5-01 | Washer Nozzle Heating Output | J5-14 | - |
| J5-02 | Right Turn Light Output | J5-15 | - |
| J5-03 | - | J5-16 | - |
| J5-04 | - | J5-17 | - |
| J5-05 | - | J5-18 | Power Supply_1 |
| J5-06 | - | J5-19 | Front Left Window Up Output |
| J5-07 | - | J5-20 | Power Supply_3 |
| J5-08 | - | J5-21 | Rear Right Window Up Output |
| J5-09 | Ground 1 | J5-22 | Power Supply_8 |
| J5-10 | Left Turn Light Output | J5-23 | Rear Right Window Down Output |
| J5-11 | Anti-theft Horn Output | J5-24 | Front Left Window Down Output |
| J5-12 | Left Corner Light Output | J5-25 | Ground 5 |
| J5-13 | Right Corner Light Output | | |



| Pin | Definition | Pin | Definition |
|-------|---|-------|---------------------------------------|
| J6-01 | Rear Position Light & License Plate Light | J6-14 | Front Right Welcome Scuff Plate Light |
| J6-02 | Right High Beam Light Output | J6-15 | Interior Light Output |
| J6-03 | Brake Light | J6-16 | Rear View Mirror Ground Light Output |
| J6-04 | Back-up Light Output | J6-17 | High Mounted Stop Light |
| J6-05 | - | J6-18 | - |
| J6-06 | Ground 2 | J6-19 | Front Right Window Up Output |
| J6-07 | - | J6-20 | Power Supply_2 |
| J6-08 | Trunk Light Output | J6-21 | Rear Left Window Up Output |
| J6-09 | Headlight Leveling Output | J6-22 | Power Supply_7 |
| J6-10 | Right Low Beam Light Output | J6-23 | Rear Left Window Down Output |
| J6-11 | Right Daytime Running Light Output | J6-24 | Front Right Window Down Output |
| J6-12 | Front Left Welcome Scuff Plate Light | J6-25 | Ground 6 |
| J6-13 | - | | |

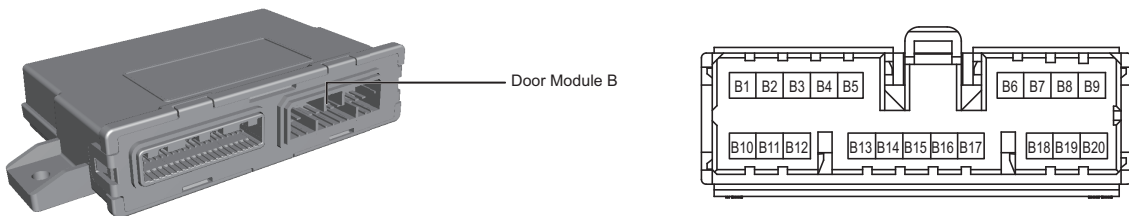
Door Module A Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|--|-----|--|
| A1 | Front Left Door Hidden Handle Motor + | A21 | - |
| A2 | Front Left Door Hidden Handle Motor - | A22 | - |
| A3 | Front Right Door Hidden Handle Motor + | A23 | - |
| A4 | Front Right Door Hidden Handle Motor - | A24 | Front Left Door Hidden Handle Switch + |
| A5 | Rear Left Door Hidden Handle Motor + | A25 | Front Right Door Hidden Handle Switch + |
| A6 | Rear Left Door Hidden Handle Motor - | A26 | Rear Left Door Hidden Handle Switch + |
| A7 | Rear Right Door Hidden Handle Motor + | A27 | Rear Right Door Hidden Handle Switch + |
| A8 | Rear Right Door Hidden Handle Motor - | A28 | Front Left Door Power Release Switch |
| A9 | Analog Ground | A29 | Collision Signal Input |
| A10 | B-CAN H | A30 | Front Right Door Lock Motor Door Open Signal |
| A11 | B-CAN L | A31 | Rear Left Door Lock Motor Door Open Signal |
| A12 | - | A32 | Rear Right Door Lock Motor Door Open Signal |
| A13 | - | A33 | Front Left Door Lock Motor Door Open Signal |
| A14 | - | A34 | Front Right Door Lock Motor Door Open Signal |
| A15 | - | A35 | Rear Left Door Lock Motor Door Open Signal |
| A16 | Front Left Door Hidden Handle HALL + | A36 | Rear Right Door Lock Motor Door Open Signal |
| A17 | Front Right Door Hidden Handle HALL + | A37 | Front Right Door Power Release Switch |

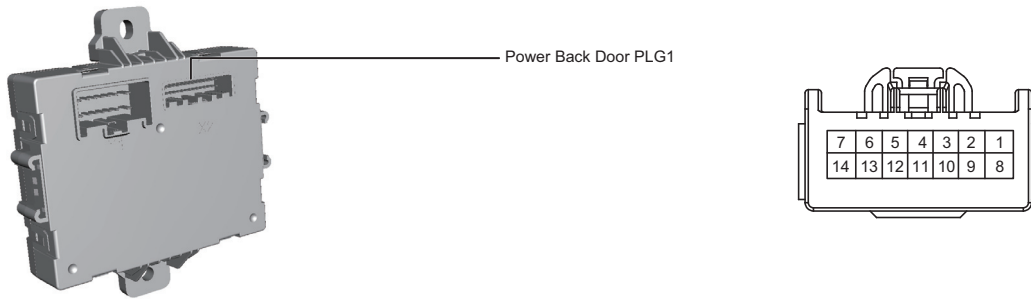
| Pin | Definition | Pin | Definition |
|-----|---|-----|--------------------------------------|
| A18 | Rear Left Door Hidden Handle HALL + | A38 | Rear Left Door Power Release Switch |
| A19 | Rear Right Door Hidden Handle HALL + | A39 | Rear Right Door Power Release Switch |
| A20 | Front Left Door Lock Motor Door Open Signal | A40 | - |

Door Module B Terminal Definition



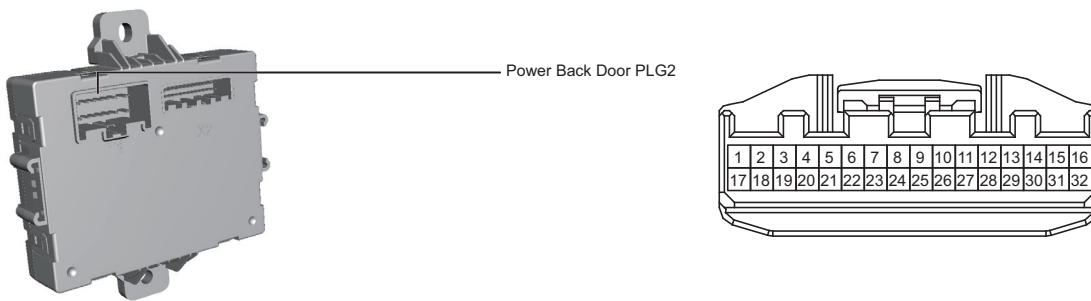
| Pin | Definition | Pin | Definition |
|-----|--|-----|---|
| B1 | Front Left Door Lock Motor/Fuel Filler Door Lock State | B11 | Front Right Door Lock Motor + |
| B2 | Front Left Door Unlock Motor + | B12 | Power Supply |
| B3 | Ground | B13 | Rear Left Door Lock Motor Child-protector Lock Motor + |
| B4 | Front Right Door Unlock Motor + | B14 | Rear Left Door Lock Motor + |
| B5 | Front Right Door Lock Motor Door Lock State | B15 | Rear Right Door Lock Motor Child-protector Lock Motor + |
| B6 | Rear Left Door Lock Motor Door Lock State | B16 | Rear Right Door Lock Motor + |
| B7 | Rear Left Door Unlock Motor + | B17 | - |
| B8 | Ground | B18 | - |
| B9 | Rear Right Door Lock Motor Door Lock State | B19 | Power Supply |
| B10 | Front Left Door Lock Motor/Fuel Filler Door Lock Motor + | B20 | Rear Right Door Unlock Motor + |

Power Back Door Module PLG1 Terminal Definition



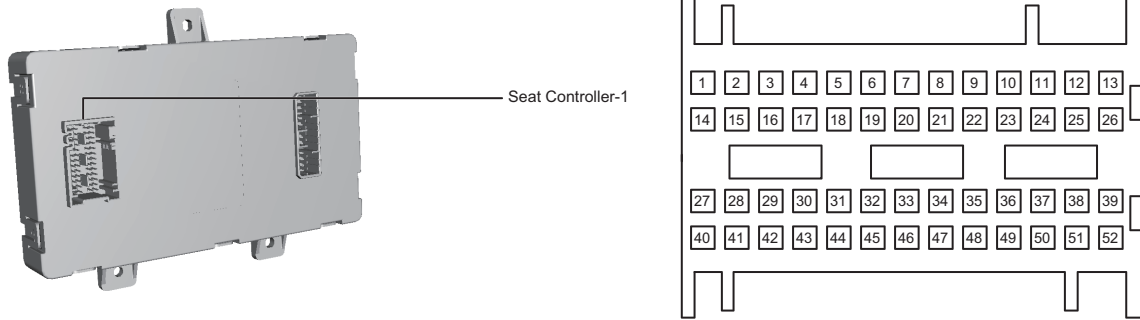
| Pin | Definition | Pin | Definition |
|-----|----------------------------|------|-----------------------------|
| 1-1 | Motor Power Supply | 1-8 | - |
| 1-2 | - | 1-9 | ECU Power Supply |
| 1-3 | - | 1-10 | - |
| 1-4 | Power Support Rod Motor On | 1-11 | Power Support Rod Motor Off |
| 1-5 | Self Suction Locker On | 1-12 | Self Suction Locker Off |
| 1-6 | - | 1-13 | - |
| 1-7 | Ground | 1-14 | - |

Power Back Door Module PLG2 Terminal Definition



| Pin | Definition | Pin | Definition |
|------|---|------|---------------------------------|
| 2-1 | - | 2-17 | - |
| 2-2 | Luggage Compartment Door Opener Handle Switch | 2-18 | - |
| 2-3 | Back Door Inside Switch | 2-19 | - |
| 2-4 | - | 2-20 | - |
| 2-5 | Back Door Inside Switch Indicator | 2-21 | - |
| 2-6 | - | 2-22 | - |
| 2-7 | Self Suction Locker Full Lock Switch | 2-23 | - |
| 2-8 | - | 2-24 | - |
| 2-9 | Self Suction Locker PCM Switch | 2-25 | Power Support Rod Sensor B |
| 2-10 | Self Suction Locker Half Lock Switch | 2-26 | Power Support Rod Sensor A |
| 2-11 | - | 2-27 | Power Support Rod Power Supply |
| 2-12 | - | 2-28 | Power Support Rod Sensor Ground |
| 2-13 | - | 2-29 | - |
| 2-14 | Self Suction Locker Sensor Ground | 2-30 | - |
| 2-15 | - | 2-31 | - |
| 2-16 | B-CAN H | 2-32 | B-CAN L |

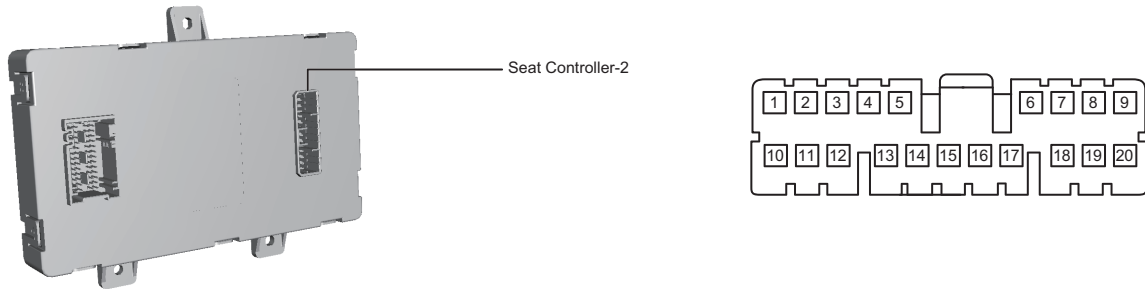
Driver Seat Controller - 1 Terminal Definition



| Pin | Definition | Pin | Definition |
|------|---|------|---|
| 1-1 | IGN_IN | 1-27 | Rear View Mirror Position Sensor Ground |
| 1-2 | Height Adjustment Input (Reserved) | 1-28 | Reserved Low Drive |
| 1-3 | Horizontal Adjustment Input (Reserved) | 1-29 | Reserved Low Drive |
| 1-4 | Seatback Adjustment Input (Reserved) | 1-30 | Reserved Input |
| 1-5 | Cushion Adjustment Input (Reserved) | 1-31 | Column Length HALL Input |
| 1-6 | Leg Support Up and Down Adjustment Input (Reserved) | 1-32 | Column Angle HALL Input |
| 1-7 | Foot Support Up and Down Adjustment Input (Reserved) | 1-33 | Height Adjustment HALL Input |
| 1-8 | Reserved Memory Switch | 1-34 | Horizontal Adjustment HALL Input |
| 1-9 | Memory Position M&Memory Switch 1/2/3 (Reserved) | 1-35 | Seatback Adjustment HALL Input |
| 1-10 | Right Rear View Mirror Position Sensor Horizontal Input | 1-36 | Leg Support Adjustment HALL Input |
| 1-11 | Left Rear View Mirror Position Sensor Horizontal Input | 1-37 | Right Rear View Mirror Vertical Adjustment Output |
| 1-12 | Right Rear View Mirror Position Sensor Vertical Input | 1-38 | Right Rear View Mirror Horizontal Adjustment Output |
| 1-13 | Left Rear View Mirror Position Sensor Vertical Input | 1-39 | Right Rear View Mirror Adjustment Common End |
| 1-14 | Rear View Mirror Adjustment Sensor Power Supply | 1-40 | Ventilation PWM Output (Reserved) |
| 1-15 | Reserved HALL Power Supply | 1-41 | Ventilation PWM Output (Reserved) |
| 1-16 | Front Right NTC Input | 1-42 | Front Left Ventilation PWM Output |
| 1-17 | Front Left NTC Input | 1-43 | Front Right Ventilation PWM Output |
| 1-18 | Reserved | 1-44 | HALL Signal Ground |
| 1-19 | Analog Ground (Reserved) | 1-45 | Front Left NTC Ground |

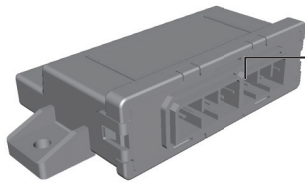
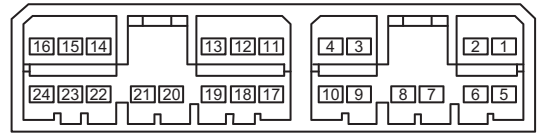
| Pin | Definition | Pin | Definition |
|------|--|------|---|
| 1-20 | Rear View Mirror Adjustment Switch (Up and Right Adjustment) (Reserved) | 1-46 | Front Right NTC Ground |
| 1-21 | Rear View Mirror Adjustment L/R Select Switch (Reserved) | 1-47 | Communication |
| 1-22 | Rear View Mirror Adjustment Switch (Left and Down Adjustment) (Reserved) | 1-48 | Communication |
| 1-23 | Electric Steering Column Switch Input | 1-49 | Reserved |
| 1-24 | Reserved | 1-50 | Left Rear View Mirror Horizontal Output |
| 1-25 | Reserved Input | 1-51 | Left Rear View Mirror Adjustment Common End |
| 1-26 | Rear View Mirror Adjustment Switch (5 Gears) (Reserved) | 1-52 | Left Rear View Mirror Vertical Output |

Driver Seat Controller - 2 Terminal Definition



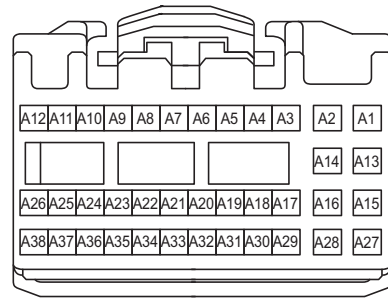
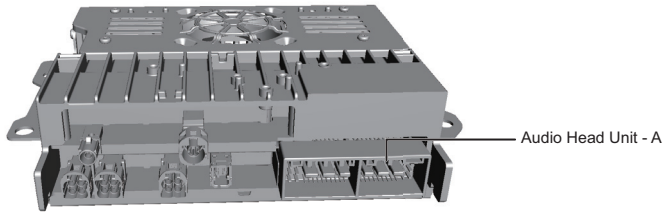
| Pin | Definition | Pin | Definition |
|------|---|------|--|
| 2-1 | Front Right Seat Heating - | 2-11 | Seatback/Leg Support Adjustment Common End |
| 2-2 | Column Length Adjustment + | 2-12 | Seatback Adjustment Output |
| 2-3 | Column Length Adjustment - | 2-13 | Leg Support Adjustment Output |
| 2-4 | Left Rear View Mirror Selection Indicator (Reserved) | 2-14 | Power Supply 2 |
| 2-5 | Right Rear View Mirror Selection Indicator (Reserved) | 2-15 | Ground |
| 2-6 | Column Angle Adjustment + | 2-16 | Ground |
| 2-7 | Column Angle Adjustment - | 2-17 | Power Supply 1 |
| 2-8 | Front Left Seat Heating - | 2-18 | Height Adjustment Output |
| 2-9 | Front Left Seat Heating + | 2-19 | Horizontal Adjustment Output |
| 2-10 | Front Right Seat Heating + | 2-20 | Height/Horizontal Adjustment Common End |

Front Passenger Seat Controller Terminal Definition

Front Passenger
Seat Controller

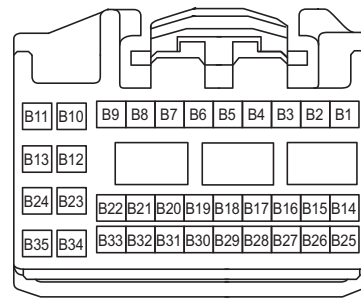
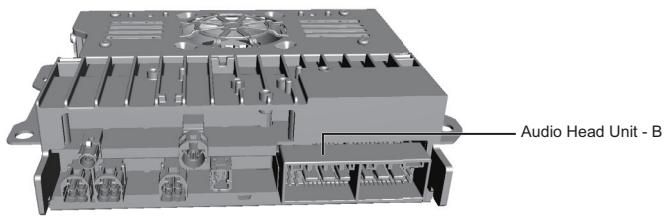
| Pin | Definition | Pin | Definition |
|-----|--|-----|-------------------------------|
| 1 | Foot Support Adjustment Output UP | 13 | Height Adjustment - Up |
| 2 | Power Supply 2 | 14 | Horizontal Adjustment - Front |
| 3 | Leg Support/Foot Support Adjustment Common End DOWN | 15 | Power Supply 1 |
| 4 | GND | 16 | Seatback Adjustment - Rear |
| 5 | Leg Support Adjustment Output UP | 17 | GND |
| 6 | Seat Front and Back, Up and Down Adjustment | 18 | Foot Support Switch Input |
| 7 | Captain Button Front and Back, Up and Down Adjustment | 19 | Leg Support Switch Input |
| 8 | Seatback Angle Front and Back Adjustment | 20 | Reserved LIN |
| 9 | Captain Button Seatback Angle Front and Back Adjustment | 21 | CAN-L |
| 10 | GND | 22 | CAN-H |
| 11 | Seat Horizontal Height Adjustment Common End - Down/Back | 23 | AGND |
| 12 | GND | 24 | Seatback Adjustment - Front |

Audio Head Unit - A Terminal Definition



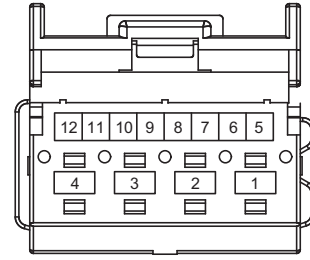
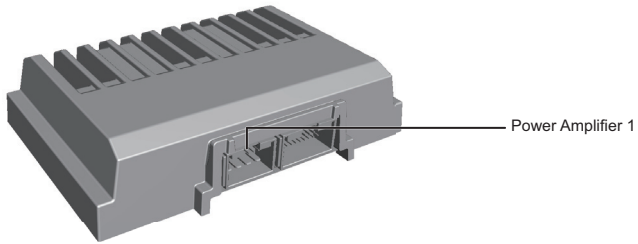
| Pin | Definition | Pin | Definition |
|-----|----------------------------------|-----|---------------------------------|
| A1 | Rear Left Tweeter and Woofer + | A20 | Mute Line Input |
| A2 | Rear Left Tweeter and Woofer - | A21 | Head Up Display HUD |
| A3 | I-CAN L | A22 | Instrument Panel Display |
| A4 | I-CAN H | A23 | Audio Display |
| A5 | Left Microphone - | A24 | - |
| A6 | Left Microphone + | A25 | - |
| A7 | Right Microphone - | A26 | GLONS Menu |
| A8 | Right Microphone + | A27 | Rear Right Tweeter and Woofer + |
| A9 | Microphone 3 - | A28 | Rear Right Tweeter and Woofer - |
| A10 | Microphone 3 + | A29 | - |
| A11 | Microphone 4 - | A30 | - |
| A12 | Microphone 4 + | A31 | - |
| A13 | Front Left Tweeter and Woofer + | A32 | Backlight |
| A14 | Front Left Tweeter and Woofer - | A33 | - |
| A15 | Front Right Tweeter and Woofer + | A34 | - |
| A16 | Front Right Tweeter and Woofer - | A35 | - |
| A17 | Audio - | A36 | - |
| A18 | Audio + | A37 | - |
| A19 | Common End Ground | A38 | - |

Audio Head Unit - B Terminal Definition



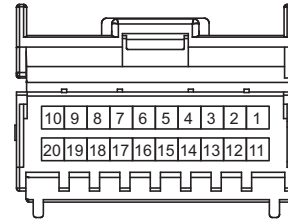
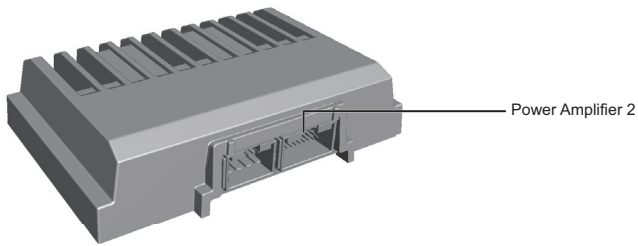
| Pin | Definition | Pin | Definition |
|-----|---|-----|----------------------------------|
| B1 | - | B19 | Fuel Auxiliary Signal |
| B2 | - | B20 | Brake Fluid Level Sensor Signal |
| B3 | - | B21 | - |
| B4 | - | B22 | - |
| B5 | - | B23 | - |
| B6 | Driver Camera Supplement Light Power Supply | B24 | - |
| B7 | Driver Camera Supplement Light Signal | B25 | Fuel Ground |
| B8 | - | B26 | - |
| B9 | - | B27 | Oil Pressure Switch Signal |
| B10 | Power Supply | B28 | - |
| B11 | Power Supply | B29 | - |
| B12 | Ground | B30 | Washer Fluid Level Sensor Signal |
| B13 | Ground | B31 | - |
| B14 | B-CAN L | B32 | Seat Belt Switch Signal |
| B15 | B-CAN H | B33 | - |
| B16 | - | B34 | IGN |
| B17 | - | B35 | ACC |
| B18 | Fuel Signal Input | | |

Power Amplifier 1 Terminal Definition



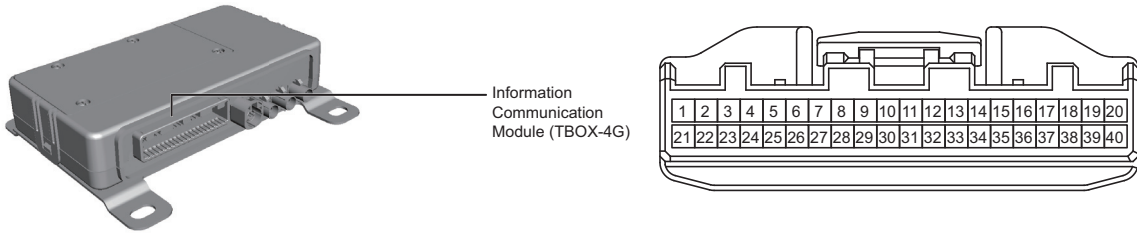
| Pin | Definition | Pin | Definition |
|-----|----------------------------------|------|---------------------------------|
| 1-1 | Power Supply | 1-7 | Front Left Tweeter and Woofer - |
| 1-2 | Power Supply | 1-8 | Front Left Tweeter and Woofer + |
| 1-3 | Ground | 1-9 | Rear Left Tweeter and Woofer - |
| 1-4 | Ground | 1-10 | Rear Left Tweeter and Woofer + |
| 1-5 | Front Right Tweeter and Woofer - | 1-11 | Rear Right Tweeter and Woofer - |
| 1-6 | Front Right Tweeter and Woofer + | 1-12 | Rear Right Tweeter and Woofer + |

Power Amplifier 2 Terminal Definition



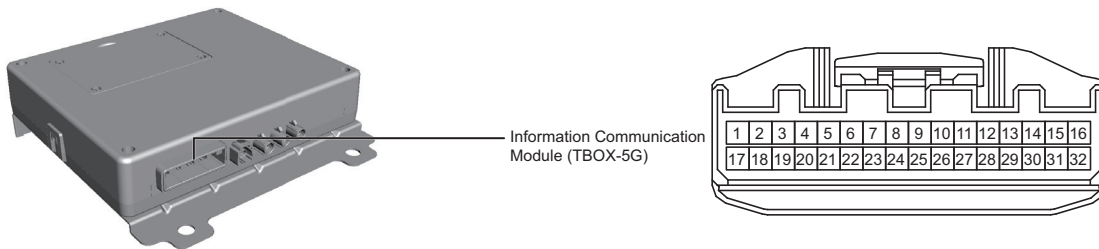
| Pin | Definition | Pin | Definition |
|------|-------------------------------|------|--------------------------------|
| 2-1 | Midrange Speaker + | 2-11 | Midrange Speaker - |
| 2-2 | Left/Right Surround Speaker + | 2-12 | Left/Right Surround Speaker - |
| 2-3 | Sub Woofer 1 - | 2-13 | Left Head Restraint Speaker - |
| 2-4 | Sub Woofer 1 + | 2-14 | Left Head Restraint Speaker + |
| 2-5 | Sub Woofer 2 - | 2-15 | Right Head Restraint Speaker - |
| 2-6 | Sub Woofer 2 + | 2-16 | Right Head Restraint Speaker + |
| 2-7 | - | 2-17 | - |
| 2-8 | - | 2-18 | - |
| 2-9 | A2B Bus N Pin | 2-19 | I-CAN L |
| 2-10 | A2B Bus P Pin | 2-20 | I-CAN H |

Information Communication Module (TBOX-4G) Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|-------------------------|-----|----------------------------|
| 1 | IGN | 21 | - |
| 2 | SOS Switch Power Supply | 22 | - |
| 3 | Ground | 23 | - |
| 4 | SOS Switch Signal | 24 | - |
| 5 | MIC Shield Ground | 25 | MIC Output Signal |
| 6 | MIC Power Supply Input | 26 | MIC Ground |
| 7 | Common End Ground | 27 | - |
| 8 | Audio + | 28 | Audio - |
| 9 | LOUDSPEAKER + | 29 | LOUDSPEAKER - |
| 10 | SOS Switch Ground | 30 | SOS Light ON/OFF |
| 11 | Airbag Collision Signal | 31 | - |
| 12 | - | 32 | Mute |
| 13 | - | 33 | SOS Switch Red Indicator |
| 14 | - | 34 | SOS Switch Green Indicator |
| 15 | - | 35 | - |
| 16 | - | 36 | - |
| 17 | - | 37 | - |
| 18 | - | 38 | - |
| 19 | I-CAN H | 39 | I-CAN L |
| 20 | KL30 | 40 | Ground |

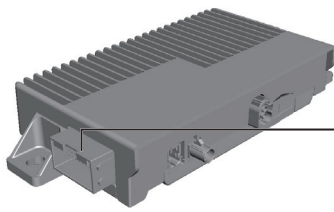
Information Communication Module (TBOX-5G) Terminal Definition



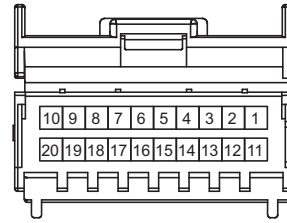
| Pin | Definition | Pin | Definition |
|-----|----------------------------|-----|--------------------------|
| 1 | SOS Switch Green Indicator | 17 | Ground |
| 2 | MIC Output Signal | 18 | MIC Power Supply Input |
| 3 | MIC Shield Ground | 19 | MIC Ground |
| 4 | Audio + | 20 | SOS Switch Power Supply |
| 5 | Audio - | 21 | I-CAN L |
| 6 | I-CAN H | 22 | SOS Light ON/OFF |
| 7 | - | 23 | - |
| 8 | - | 24 | SOS Switch Ground |
| 9 | - | 25 | SOS Switch Red Indicator |
| 10 | - | 26 | SOS Switch Signal |
| 11 | - | 27 | Mute |
| 12 | - | 28 | LIN |
| 13 | - | 29 | - |
| 14 | - | 30 | - |
| 15 | - | 31 | - |
| 16 | KL30 | 32 | Airbag Collision Signal |

09

Vision Controller (CVBOX) Terminal Definition

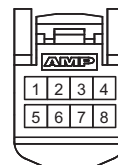
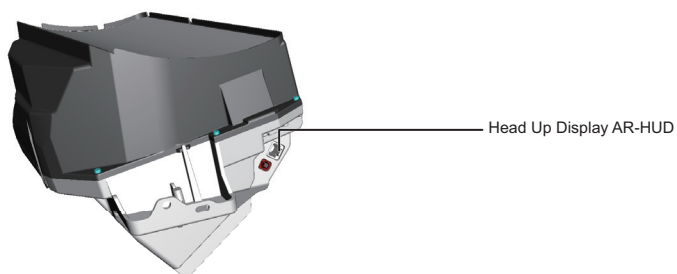


Vision Controller (CVBOX)



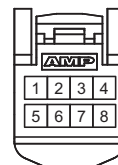
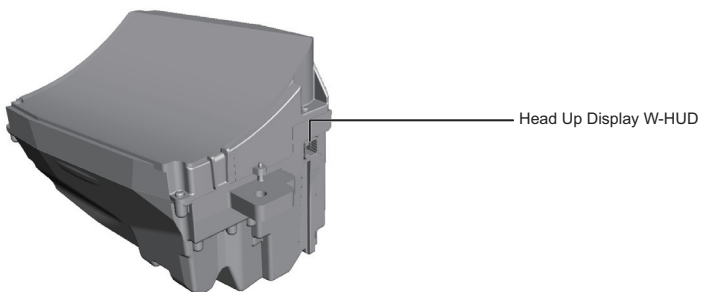
| Pin | Definition | Pin | Definition |
|-----|---|-----|------------|
| 1 | ACC | 11 | - |
| 2 | I-CAN H | 12 | - |
| 3 | I-CAN L | 13 | - |
| 4 | Ground | 14 | - |
| 5 | - | 15 | - |
| 6 | KL30 | 16 | - |
| 7 | - | 17 | - |
| 8 | Passenger Camera Supplement Light Power Supply | 18 | - |
| 9 | Driver Camera Power Supply | 19 | - |
| 10 | - | 20 | - |

Head Up Display (AR-HUD) Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|------------|-----|------------|
| 1 | Ground | 5 | KL30 |
| 2 | IGN | 6 | - |
| 3 | - | 7 | - |
| 4 | ENS | 8 | - |

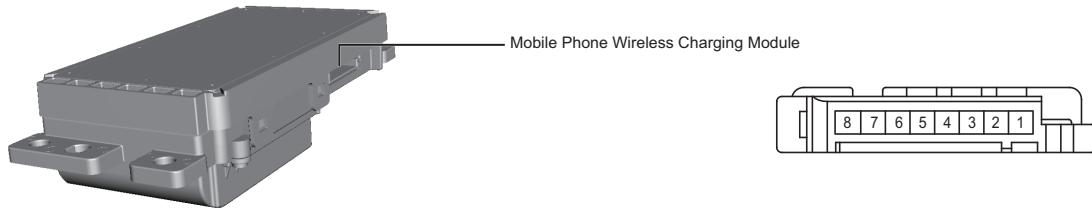
Head Up Display (W-HUD) Terminal Definition



09

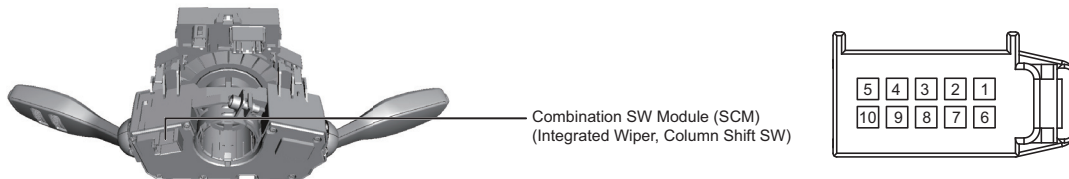
| Pin | Definition | Pin | Definition |
|-----|------------|-----|------------|
| 1 | Ground | 5 | KL30 |
| 2 | IGN | 6 | - |
| 3 | I-CAN H | 7 | I-CAN L |
| 4 | - | 8 | - |

Mobile Phone Wireless Charging Module Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|--------------|-----|------------|
| 1 | Power Supply | 5 | I-CAN H |
| 2 | ACC | 6 | I-CAN L |
| 3 | - | 7 | NFC CAN H |
| 4 | Ground | 8 | NFC CAN L |

Combination Switch Module (SCM) (Integrated Wiper, Column Shift Switch) Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|------------|-----|------------|
| 1 | KL30 | 6 | Ground |
| 2 | - | 7 | - |
| 3 | - | 8 | - |
| 4 | - | 9 | S-CAN L |
| 5 | KL15 | 10 | S-CAN H |

Near Field Communication Module (NFC) Terminal Definition



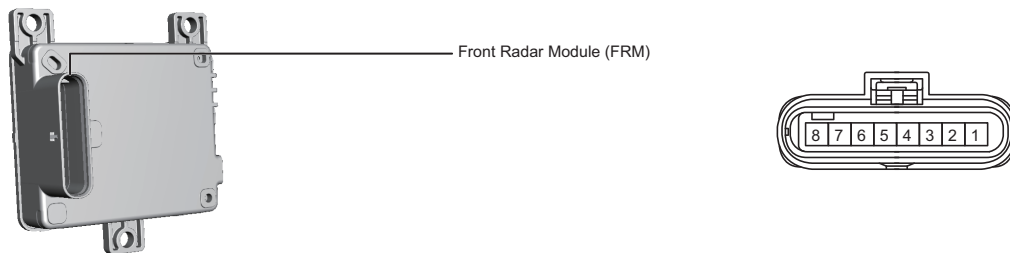
| Pin | Definition | Pin | Definition |
|-----|------------|-----|------------------|
| 1 | - | 13 | - |
| 2 | - | 14 | - |
| 3 | - | 15 | - |
| 4 | - | 16 | - |
| 5 | - | 17 | NFC Power Supply |
| 6 | - | 18 | Ground |
| 7 | - | 19 | B-CAN L |
| 8 | - | 20 | B-CAN H |
| 9 | - | 21 | NFC CAN L |
| 10 | - | 22 | NFC CAN H |
| 11 | - | 23 | - |
| 12 | - | 24 | - |

Far Range Millimeter Wave Radar (FRM) Terminal Definition



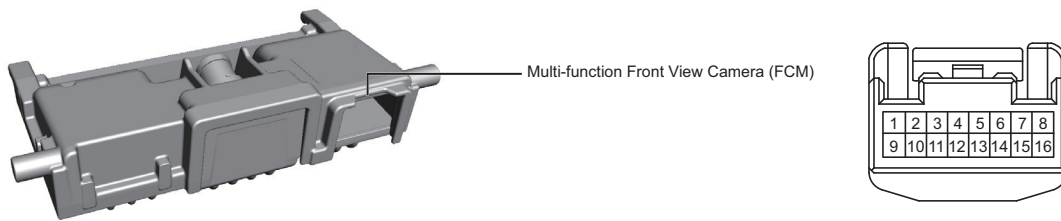
| Pin | Definition | Pin | Definition |
|-----|----------------|-----|--------------|
| 1 | DA-CAN H | 5 | - |
| 2 | DA-CAN L | 6 | - |
| 3 | Internal CAN H | 7 | Ground |
| 4 | Internal CAN L | 8 | Power Supply |

Front Radar Module (FRM) Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|----------------|-----|--------------|
| 1 | - | 5 | Ground |
| 2 | - | 6 | DA-CAN L |
| 3 | Internal CAN L | 7 | DA-CAN H |
| 4 | Internal CAN H | 8 | Power Supply |

Multi-function Front View Camera (FCM) Terminal Definition

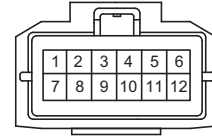


| Pin | Definition | Pin | Definition |
|-----|--------------|-----|----------------|
| 1 | Power Supply | 9 | - |
| 2 | DA-CAN H | 10 | Internal CAN H |
| 3 | DA-CAN L | 11 | Internal CAN L |
| 4 | - | 12 | - |
| 5 | Ground | 13 | - |
| 6 | - | 14 | - |
| 7 | - | 15 | - |
| 8 | - | 16 | - |

Main Blind Spot Detection Radar Terminal Definition



Main Blind Spot Detection Radar

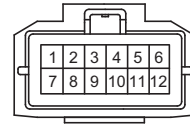


| Pin | Definition | Pin | Definition |
|-----|----------------|-----|--------------|
| 1 | DA-CAN H | 7 | Ground |
| 2 | DA-CAN L | 8 | Power Supply |
| 3 | Internal CAN H | 9 | BSD LED |
| 4 | Internal CAN L | 10 | DOW LED |
| 5 | - | 11 | Ground |
| 6 | - | 12 | - |

Auxiliary Blind Spot Detection Radar Terminal Definition

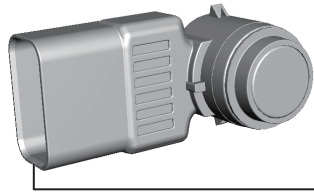


Auxiliary Blind Spot Detection Radar

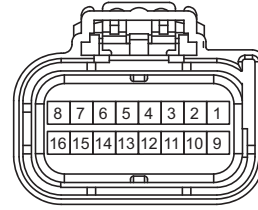


| Pin | Definition | Pin | Definition |
|-----|----------------|-----|--------------|
| 1 | DA-CAN H | 7 | Ground |
| 2 | DA-CAN L | 8 | Power Supply |
| 3 | Internal CAN H | 9 | BSD LED |
| 4 | Internal CAN L | 10 | DOW LED |
| 5 | - | 11 | Ground |
| 6 | - | 12 | Ground |

Reversing Radar Module Terminal Definition

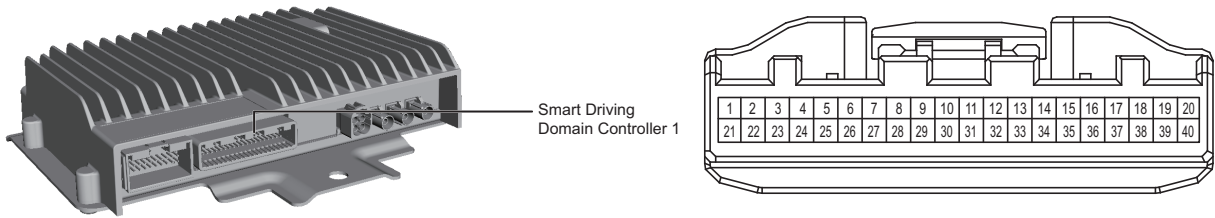


Reversing Radar Module



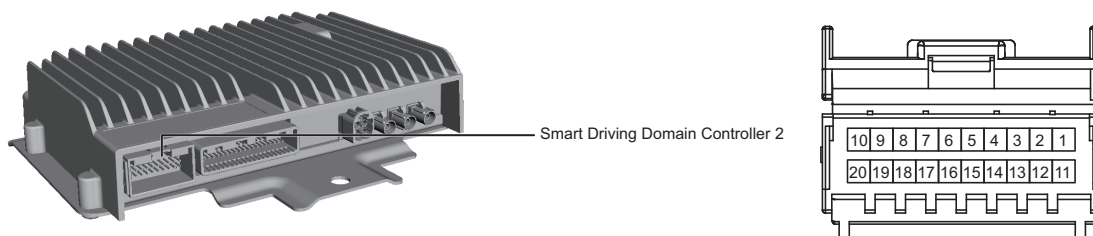
| Pin | Definition | Pin | Definition |
|-----|--------------------------|-----|---------------------------------|
| 1 | - | 9 | Power Supply |
| 2 | - | 10 | Ground |
| 3 | - | 11 | Front Right Center Radar Signal |
| 4 | Front Right Radar Signal | 12 | Front Left Center Radar Signal |
| 5 | Front Left Radar Signal | 13 | Rear Right Center Radar Signal |
| 6 | Rear Right Radar Signal | 14 | Rear Left Center Radar Signal |
| 7 | B-CAN H | 15 | B-CAN L |
| 8 | - | 16 | - |

Smart Driving Domain Controller 1 Terminal Definition



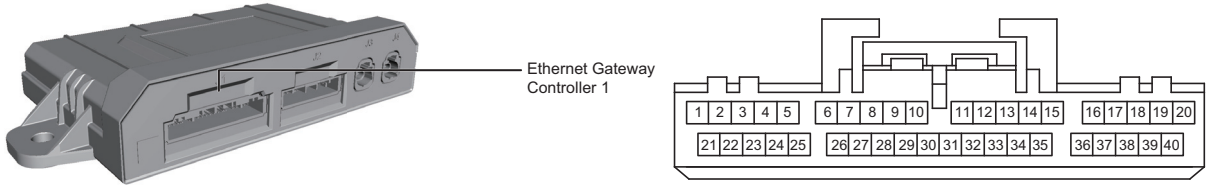
| Pin | Definition | Pin | Definition |
|------|-----------------------------------|------|---|
| 1-1 | Ethernet Gateway Controller N Pin | 1-21 | - |
| 1-2 | Ethernet Gateway Controller P Pin | 1-22 | - |
| 1-3 | - | 1-23 | - |
| 1-4 | - | 1-24 | - |
| 1-5 | DA-CAN L | 1-25 | - |
| 1-6 | DA-CAN H | 1-26 | - |
| 1-7 | - | 1-27 | - |
| 1-8 | - | 1-28 | - |
| 1-9 | - | 1-29 | - |
| 1-10 | - | 1-30 | Front Millimeter Wave Corner Radar CANL |
| 1-11 | - | 1-31 | Front Millimeter Wave Corner Radar CANH |
| 1-12 | - | 1-32 | Blind Spot Detection Radar CANL |
| 1-13 | - | 1-33 | Blind Spot Detection Radar CANH |
| 1-14 | - | 1-34 | Far Range Millimeter Wave Radar CANL |
| 1-15 | - | 1-35 | Far Range Millimeter Wave Radar CANH |
| 1-16 | - | 1-36 | IGN |
| 1-17 | - | 1-37 | - |
| 1-18 | - | 1-38 | - |
| 1-19 | - | 1-39 | - |
| 1-20 | - | 1-40 | - |

Smart Driving Domain Controller 2 Terminal Definition



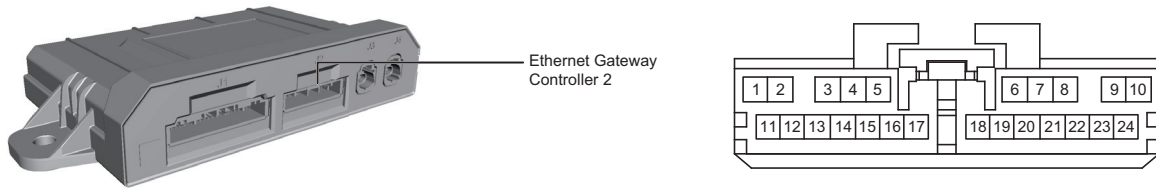
| Pin | Definition | Pin | Definition |
|------|--|------|---|
| 2-1 | Power Supply | 2-11 | Ground |
| 2-2 | Power Supply | 2-12 | Ground |
| 2-3 | Sensor Ground | 2-13 | Sensor Ground |
| 2-4 | Sensor Power Supply | 2-14 | Sensor Power Supply |
| 2-5 | Rear Left Center Ultrasonic Sensor APA Signal | 2-15 | Front Left Center Ultrasonic Sensor APA Signal |
| 2-6 | Rear Right Center Ultrasonic Sensor APA Signal | 2-16 | Front Right Center Ultrasonic Sensor APA Signal |
| 2-7 | Rear Right Ultrasonic Sensor APA Signal | 2-17 | Front Right Ultrasonic Sensor APA Signal |
| 2-8 | Rear Left Ultrasonic Sensor APA Signal | 2-18 | Front Left Ultrasonic Sensor APA Signal |
| 2-9 | Rear Right Side Ultrasonic Sensor APA Signal | 2-19 | Front Right Side Ultrasonic Sensor APA Signal |
| 2-10 | Rear Left Side Ultrasonic Sensor APA Signal | 2-20 | Front Left Side Ultrasonic Sensor APA Signal |

Ethernet Gateway Controller 1 Terminal Definition



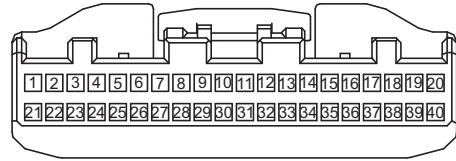
| Pin | Definition | Pin | Definition |
|------|------------|------|------------|
| 1-1 | P6_RXN | 1-21 | - |
| 1-2 | P6_RXP | 1-22 | - |
| 1-3 | - | 1-23 | P6_TXN |
| 1-4 | - | 1-24 | P6_TXP |
| 1-5 | - | 1-25 | - |
| 1-6 | DA-CAN H | 1-26 | DA-CAN L |
| 1-7 | S-CAN L | 1-27 | S-CAN H |
| 1-8 | D-CAN H | 1-28 | D-CAN L |
| 1-9 | I-CAN L | 1-29 | I-CAN H |
| 1-10 | - | 1-30 | - |
| 1-11 | C-CAN H | 1-31 | C-CAN L |
| 1-12 | P-CAN L | 1-32 | P-CAN H |
| 1-13 | B-CAN H | 1-33 | B-CAN L |
| 1-14 | - | 1-34 | - |
| 1-15 | KL15 | 1-35 | DI2_CN |
| 1-16 | LIN | 1-36 | - |
| 1-17 | - | 1-37 | - |
| 1-18 | - | 1-38 | - |
| 1-19 | - | 1-39 | Ground |
| 1-20 | KL30 | 1-40 | - |

Ethernet Gateway Controller 2 Terminal Definition



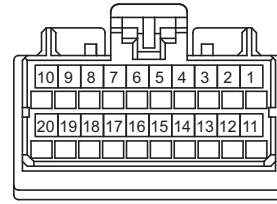
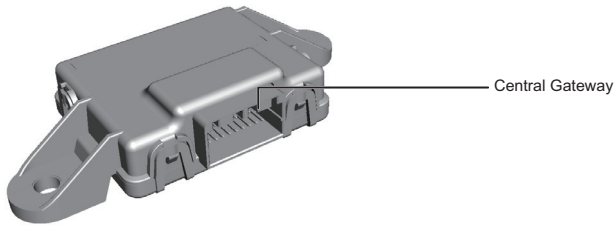
| Pin | Definition | Pin | Definition |
|------|------------|------|---------------------------------------|
| 2-1 | - | 2-13 | - |
| 2-2 | - | 2-14 | - |
| 2-3 | - | 2-15 | - |
| 2-4 | - | 2-16 | - |
| 2-5 | - | 2-17 | - |
| 2-6 | - | 2-18 | - |
| 2-7 | - | 2-19 | - |
| 2-8 | - | 2-20 | - |
| 2-9 | - | 2-21 | - |
| 2-10 | - | 2-22 | - |
| 2-11 | - | 2-23 | Smart Driving Domain Controller N Pin |
| 2-12 | - | 2-24 | Smart Driving Domain Controller P Pin |

GLONASS Module Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|---------------|-----|------------|
| 1 | KL30 | 21 | - |
| 2 | IGN | 22 | - |
| 3 | - | 23 | - |
| 4 | ITELMA MUTE + | 24 | - |
| 5 | - | 25 | - |
| 6 | I-CAN H | 26 | - |
| 7 | I-CAN L | 27 | - |
| 8 | MUTE + | 28 | GND |
| 9 | - | 29 | - |
| 10 | IGN | 30 | - |
| 11 | - | 31 | - |
| 12 | - | 32 | - |
| 13 | - | 33 | - |
| 14 | LOUDSPEAKER + | 34 | - |
| 15 | LOUDSPEAKER - | 35 | - |
| 16 | MIC- | 36 | - |
| 17 | MIC+ | 37 | SOS BUTTON |
| 18 | BIP BL | 38 | LED_GREEN |
| 19 | BIP GND | 39 | LED_RED |
| 20 | - | 40 | - |

Central Gateway Terminal Definition



| Pin | Definition | Pin | Definition |
|-----|------------|-----|------------|
| 1 | B-CAN H | 11 | B-CAN L |
| 2 | P-CAN H | 12 | P-CAN L |
| 3 | C-CAN H | 13 | C-CAN L |
| 4 | - | 14 | - |
| 5 | I-CAN H | 15 | I-CAN L |
| 6 | D-CAN H | 16 | D-CAN L |
| 7 | S-CAN L | 17 | LIN |
| 8 | S-CAN H | 18 | KL15 |
| 9 | DA-CAN L | 19 | KL30 |
| 10 | DA-CAN H | 20 | Ground |

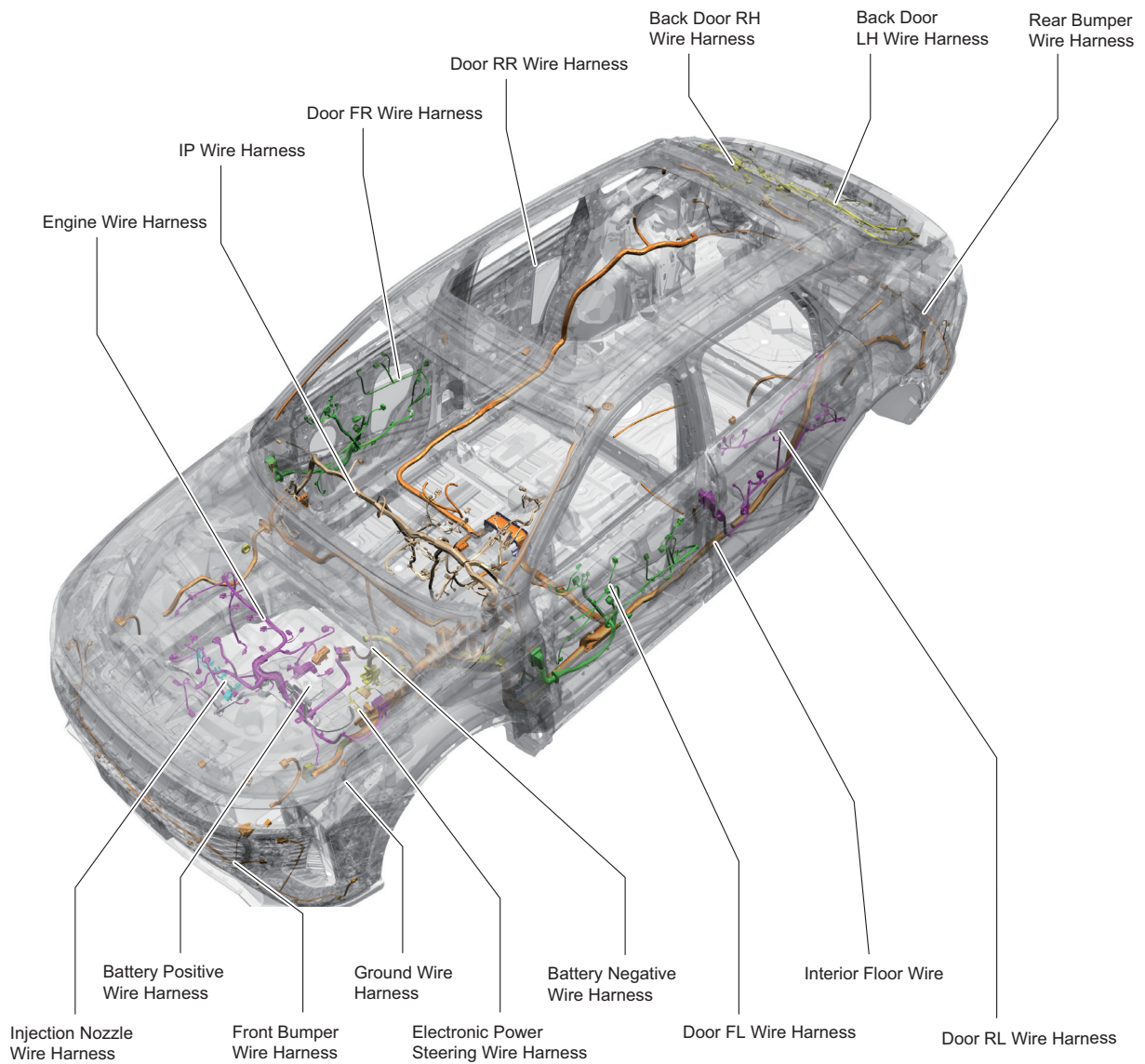
Wire Harness Position Diagram

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

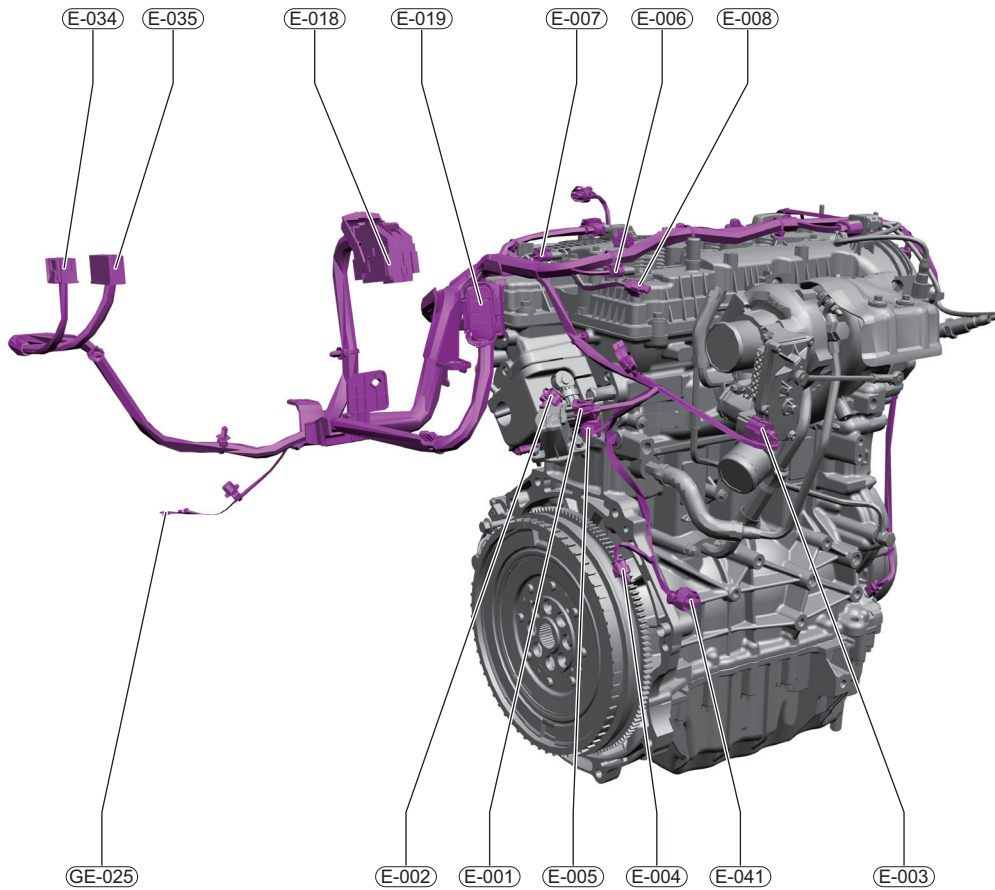
Vehicle Wire Harness Layout



10

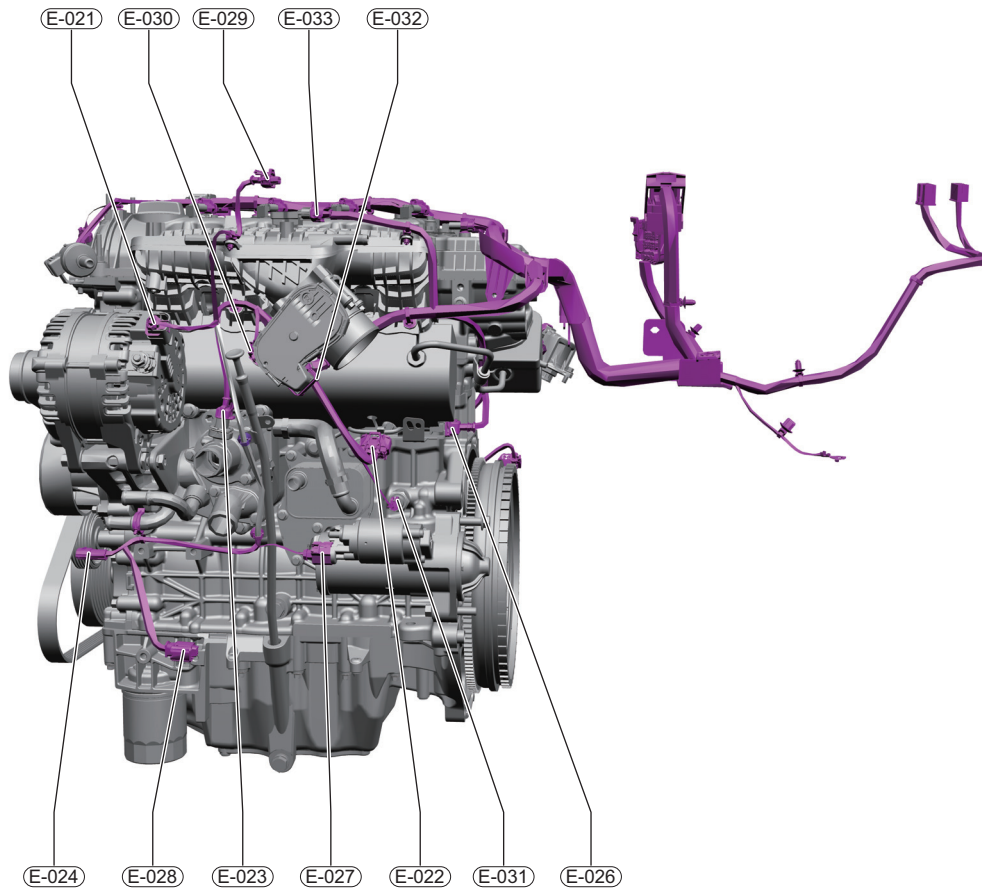
WHE000001

Engine Wire Harness



WHE001001

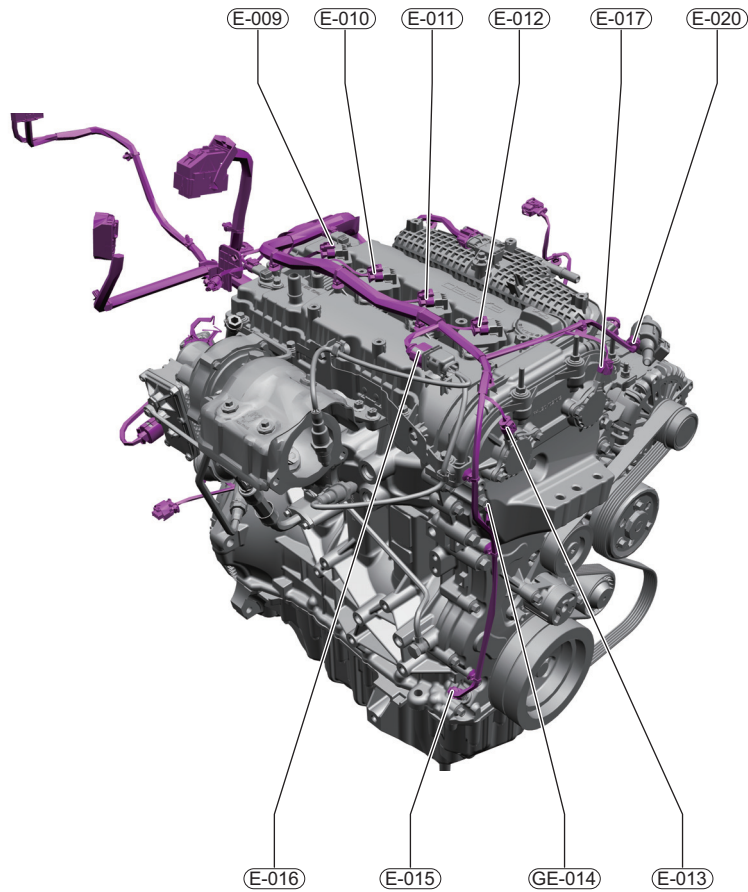
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| E-001 | B/2 | ERCV Relief Control Valve |
| E-002 | B/2 | High Pressure Fuel Pump (Fuel Control Valve) |
| E-003 | Br/6 | Electronic Waste Gate |
| E-004 | B/3 | Speed Sensor |
| E-005 | B/2 | Water Temperature Sensor |
| E-006 | B/2 | Crankshaft Ventilation Box Heater |
| E-007 | B/3 | Phase Sensor (Intake) |
| E-008 | B/3 | Phase Sensor (Exhaust) |
| E-018 | B/95 | ECU (B) |
| E-019 | B/44 | Engine Wire Harness to Interior Floor Wire Harness Interface |
| GE-025 | B/1 | G402 |
| E-034 | W/18 | Central Fuse and Relay Box A |
| E-035 | W/16 | Central Fuse and Relay Box B |
| E-041 | B/4 | Rear Oxygen Sensor |



WHE002001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| E-021 | B/2 | Intelligent Generator (M31T) |
| E-022 | B/10 | Engine Wire Harness to Fuel Injector Wire Harness Interface |
| E-023 | Gr/2 | Electronic Thermostat |
| E-024 | B/2 | A/C Compressor Clutch SW |
| E-026 | B/3 | Knock Sensor |
| E-027 | B/1 | Start Motor |
| E-028 | B/2 | Compressor External Control Valve |
| E-029 | B/3 | Desorption Pressure Sensor |
| E-030 | B/3 | High Pressure Fuel Rail Sensor |
| E-031 | B/1 | Oil Pressure Switch |
| E-032 | B/6 | Electronic Throttle |
| E-033 | B/4 | Intake Temperature Pressure Sensor |

10



WHE003001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---------------------------------|
| E-009 | B/4 | Ignition Coil 4 |
| E-010 | B/4 | Ignition Coil 3 |
| E-011 | B/4 | Ignition Coil 2 |
| E-012 | B/4 | Ignition Coil 1 |
| E-013 | B/2 | Variable Valve Timing - Exhaust |
| GE-014 | B/1 | G401 |
| E-015 | B/2 | Variable Oil Pump |
| E-016 | B/6 | Upstream Oxygen Sensor |
| E-017 | B/2 | Variable Valve Timing - Intake |
| E-020 | B/2 | Canister Solenoid Valve |

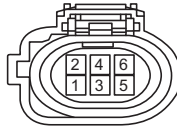
Engine Wire Harness Connector List



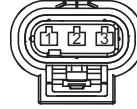
(E-001)
B ERCV Relief Control Valve



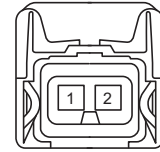
(E-002)
B High Pressure Fuel Pump (Fuel Control Valve)



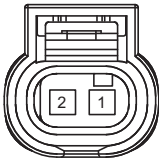
(E-003)
Br Electronic Exhaust Valve



(E-004)
B Speed Sensor



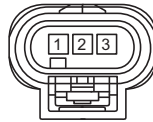
(E-005)
B Water Temp Sensor



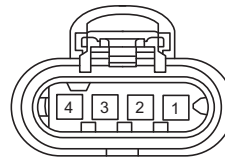
(E-006)
B Crankshaft Ventilation Box Heater



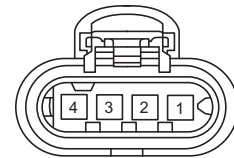
(E-007)
B Phase Sensor (Intake)



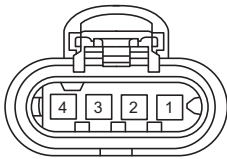
(E-008)
B Phase Sensor (Exhaust)



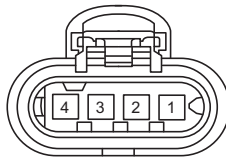
(E-009)
B IGN Coil 4



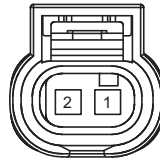
(E-010)
B IGN Coil 3



(E-011)
B IGN Coil 2



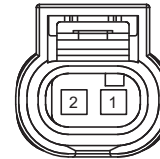
(E-012)
B IGN Coil 1



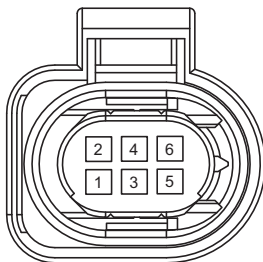
(E-013)
B Variable Valve Timing - Exhaust



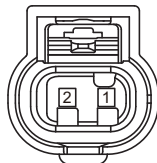
(GE-014)
B Ground G401



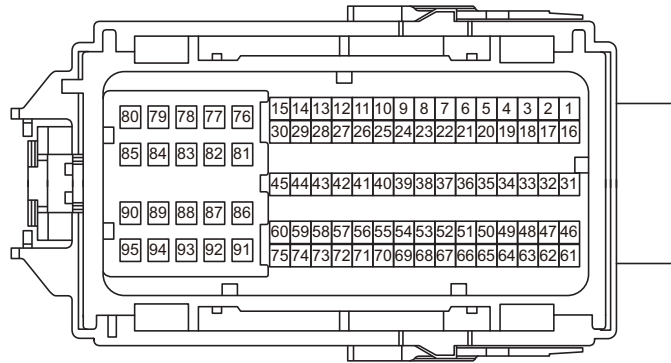
(E-015)
B Variable Oil Pump



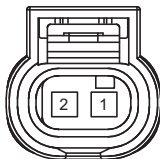
(E-016)
B Upstream Oxygen Sensor



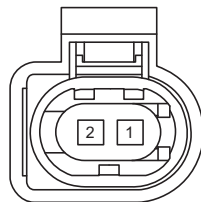
(E-017)
B Variable Valve Timing - Intake



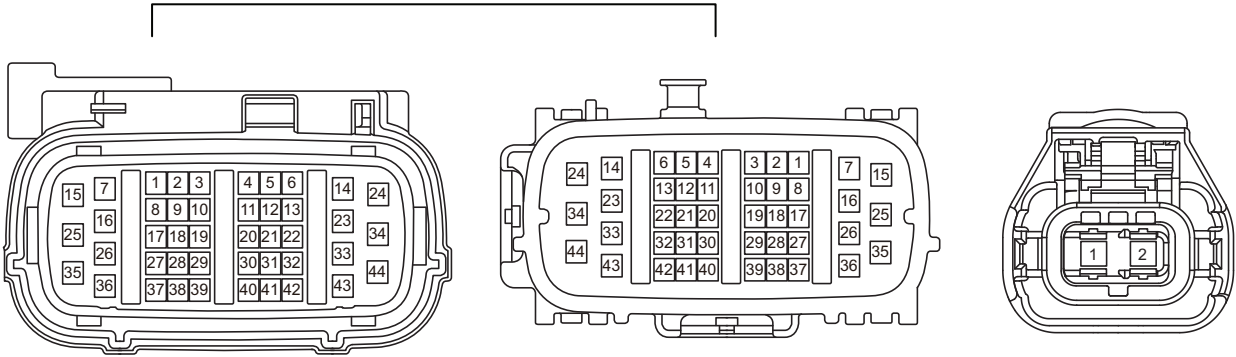
(E-018)
B ECU(B)



(E-020)
B Charcoal Canister Solenoid Valve



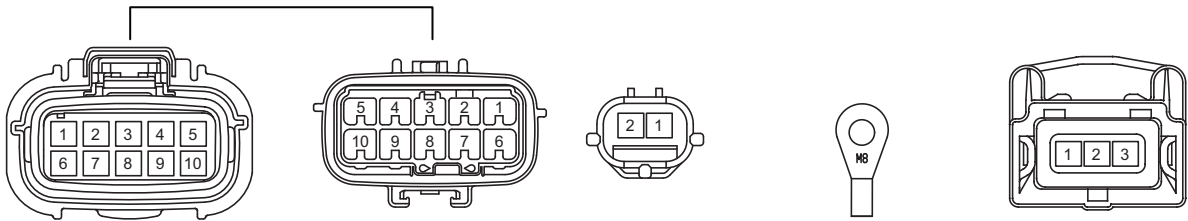
(E-021)
B Intelligent Generator (M31T)



(E-019)
B Engine Wire Harness to Interior Floor Wire Harness Interface

(B-047)
B Interior Floor Wire Harness to Engine Wire Harness

(E-023)
Gr Electronic Thermostat



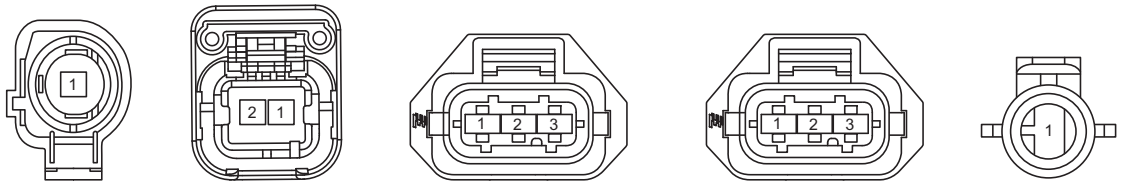
(E-022)
B Engine Wire Harness to Injector Wire Harness Interface

(E-036)
B Injection Nozzle Wire Harness to Engine Wire Harness

(E-024)
B A/C Compressor Clutch SW

(GE-025)
B Ground G402

(E-026)
B Knock Sensor



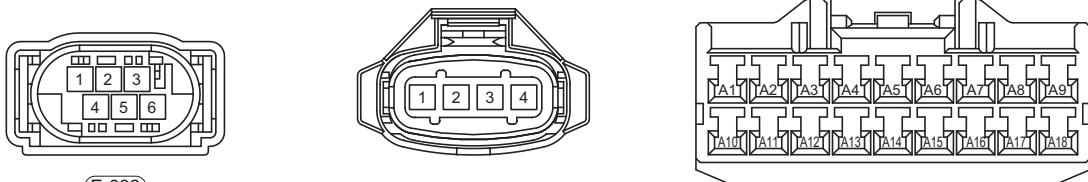
(E-027)
B Starter Motor

(E-028)
B Compressor External Control Valve

(E-029)
B Desorption Pressure Sensor

(E-030)
B High Pressure Fuel Rail Sensor

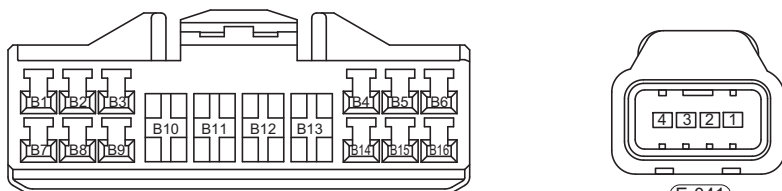
(E-031)
B Oil Pressure SW



(E-032)
B Electronic Throttle

(E-033)
B Intake Temperature & Pressure Sensor

(E-034)
W Central F/R Box A

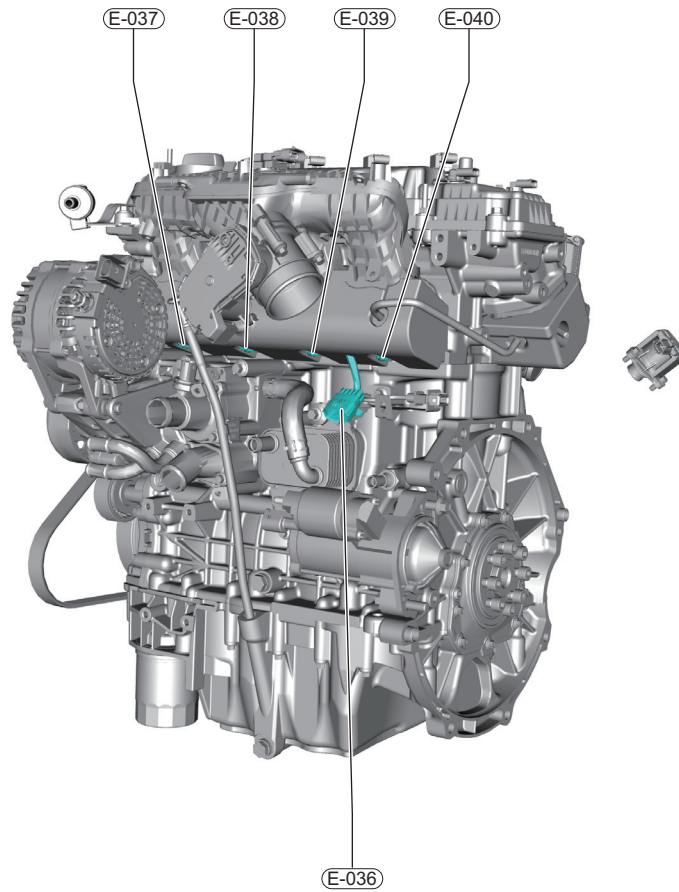


(E-035)
W Central F/R Box B

(E-041)
B Rear Oxygen Sensor

EPU002001

Fuel Injector Wire Harness

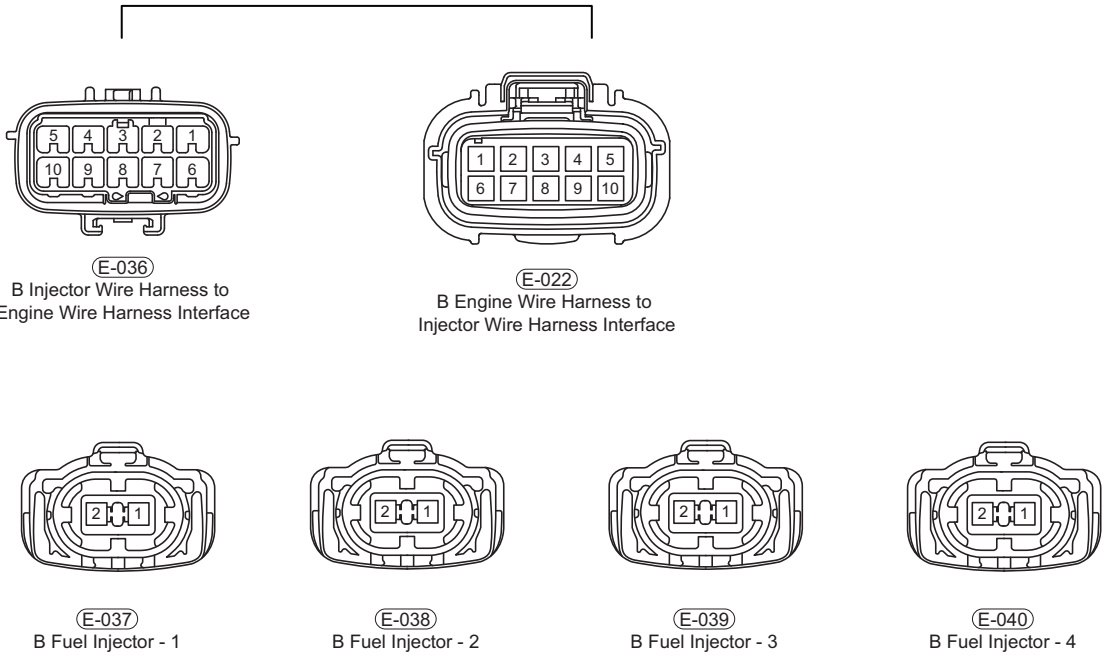


WHE004001

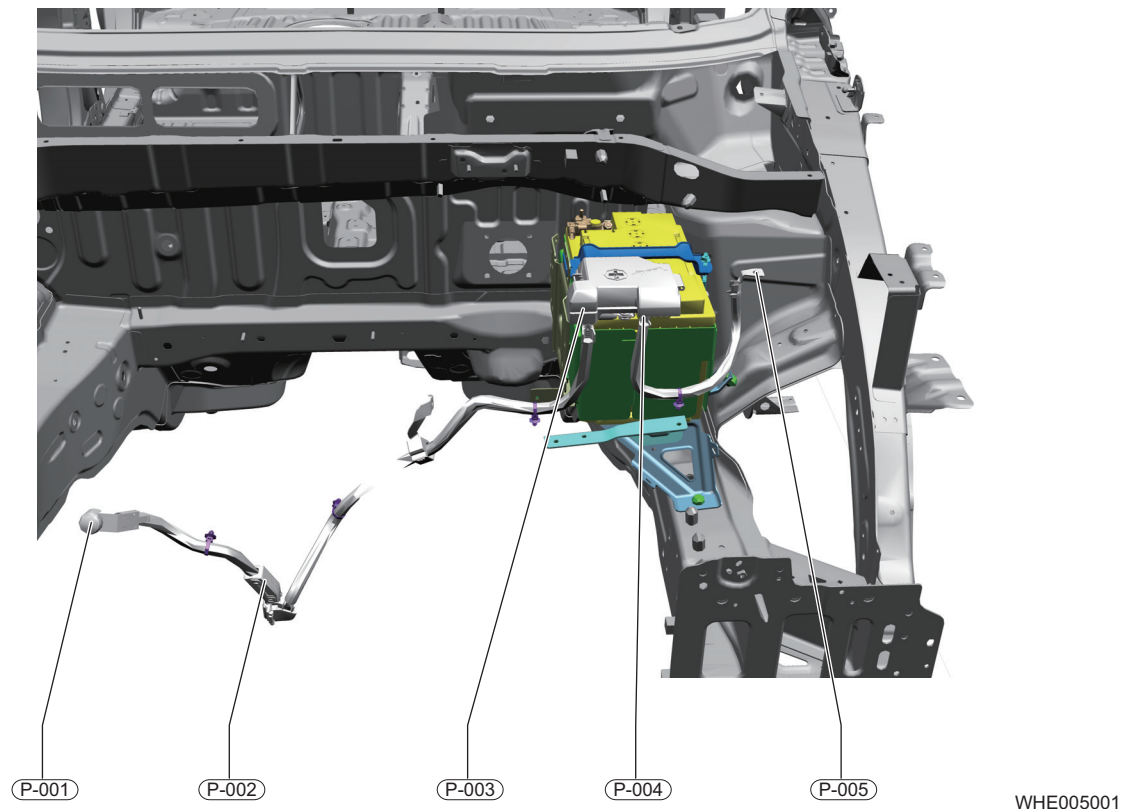
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| E-036 | B/10 | Fuel Injector Wire Harness to Engine Wire Harness Interface |
| E-037 | B/2 | Fuel Injector - 1 |
| E-038 | B/2 | Fuel Injector - 2 |
| E-039 | B/2 | Fuel Injector - 3 |
| E-040 | B/2 | Fuel Injector - 4 |

10

Fuel Injector Wire Harness Connector List

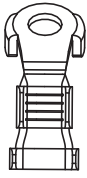


Battery Positive Wire Harness



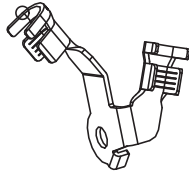
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| P-001 | B/1 | Generator |
| P-002 | B/1 | Starter Terminal |
| P-003 | B/1 | Central Fuse and Relay Box - Generator |
| P-004 | B/1 | Positive Battery Terminal |
| P-005 | B/1 | Central Fuse and Relay Terminal |

Battery Positive Wire Harness Connector List



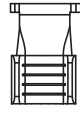
(P-001)
B

Generator



(P-002)
B

Starter Terminal



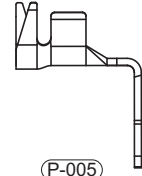
(P-003)
B

Central F/R Box - Generator



(P-004)
B

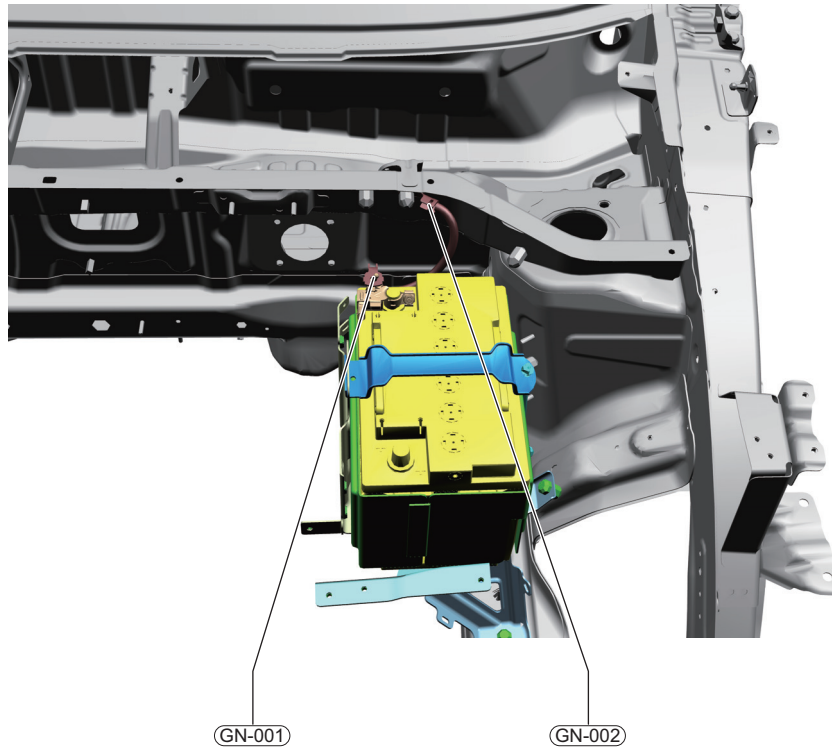
Positive Battery Terminal



(P-005)
B

Central F/R Box Terminal

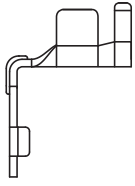
Battery Negative Wire Harness



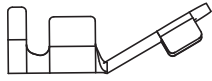
WHE006001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|------------------|
| GN-001 | B/1 | Battery Negative |
| GN-002 | B/1 | Body Ground |

Battery Negative Wire Harness Connector List

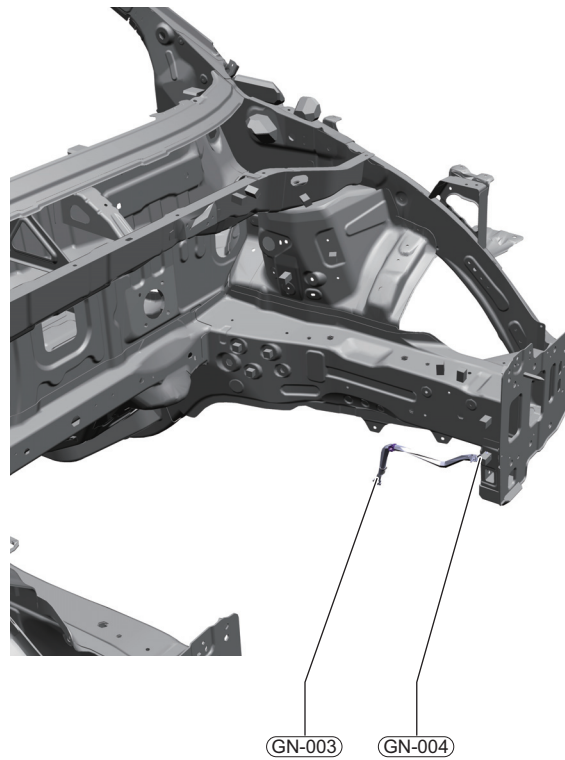


GN-001
B
Battery Negative



GN-002
B
Body Ground

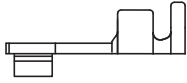
Ground Wire Harness



WHE006002

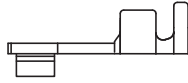
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------------------|
| GN-003 | B/1 | Transmission Ground G301-1 |
| GN-004 | B/1 | Body Ground G302-1 |

Ground Wire Harness Connector List



GN-003
B

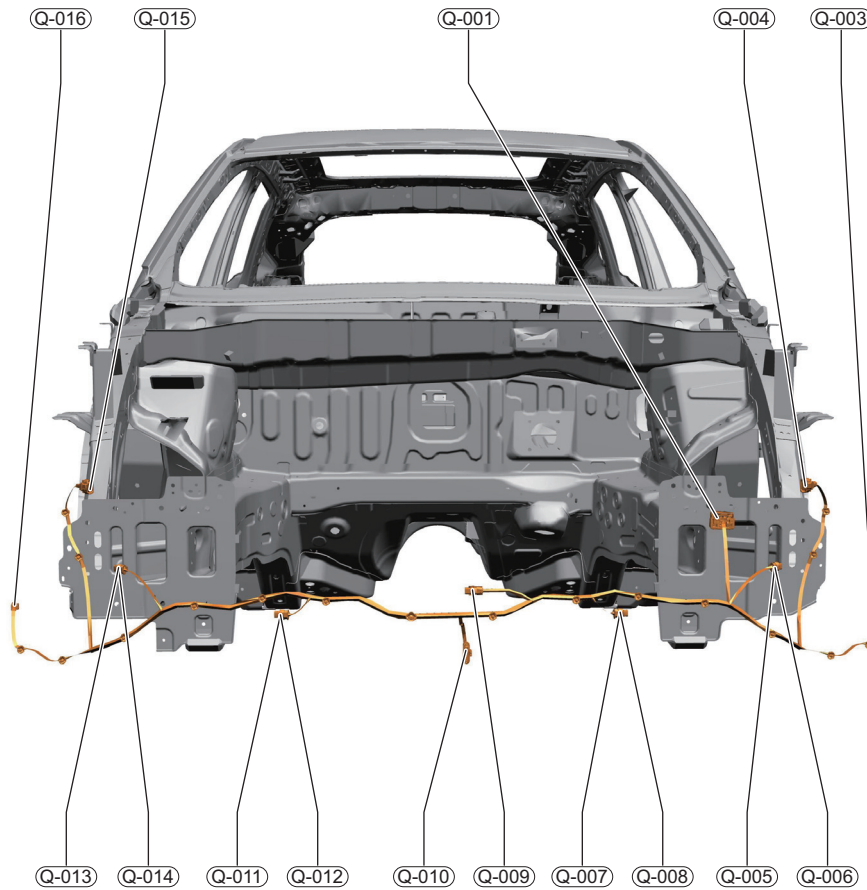
Transmission Ground G301-1



GN-004
B

Body Ground G302-1

Front Bumper Wire Harness

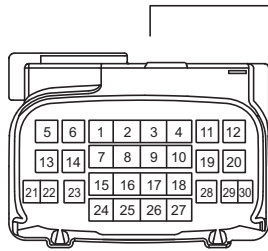


WHE007001

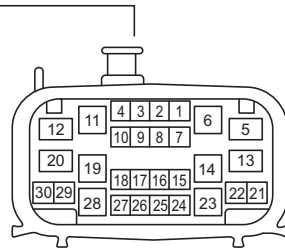
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| Q-001 | B/30 | Front Bumper to Interior |
| Q-003 | B/3 | Front Left Side Ultrasonic Sensor APA |
| Q-004 | B/12 | Front Left Millimeter Wave Corner Radar |
| Q-005 | B/3 | Front Left Ultrasonic Sensor APA |
| Q-006 | B/3 | Front Left Radar |
| Q-007 | B/3 | Front Left Center Radar |
| Q-008 | B/3 | Front Left Center Ultrasonic Sensor APA |
| Q-009 | B/2 | Front PEPS Antenna |
| Q-010 | B/8 | Long Range Millimeter Wave Radar (FRM/CPD) |
| Q-011 | B/3 | Front Right Center Ultrasonic Sensor APA |
| Q-012 | B/3 | Front Right Center Radar |
| Q-013 | B/3 | Front Right Ultrasonic Sensor APA |
| Q-014 | B/3 | Front Right Radar |
| Q-015 | B/12 | Front Right Millimeter Wave Corner Radar |
| Q-016 | B/3 | Front Right Side Ultrasonic Sensor APA |

10

Front Bumper Wire Harness Connector List



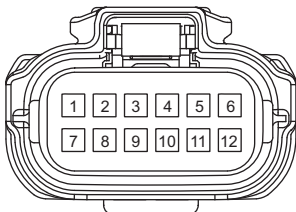
Q-001
B
Front Bumper to Interior



B-024
B
Front Bumper Wire Harness Interface



Q-003
B
Side Ultrasonic Sensor APA FL



Q-004
B
Millimeter Wave Corner Radar FL



Q-005
B
Ultrasonic Sensor APA FL



Q-006
B
Radar FL



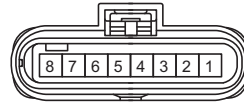
Q-007
B
Center Radar FL



Q-008
B
Center Ultrasonic Sensor APA FL



Q-009
B
Front PEPS Antenna



Q-010
B
Long Range Millimeter Wave Radar (FRM/CPD)



Q-011
B
Center Ultrasonic Sensor APA FR

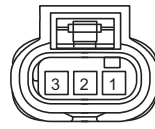
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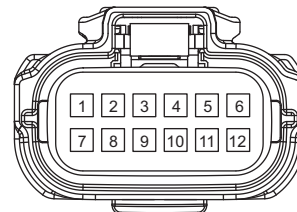
Q-012
B
Center Radar FR



Q-013
B
Ultrasonic Sensor APA FR



Q-014
B
Radar FR



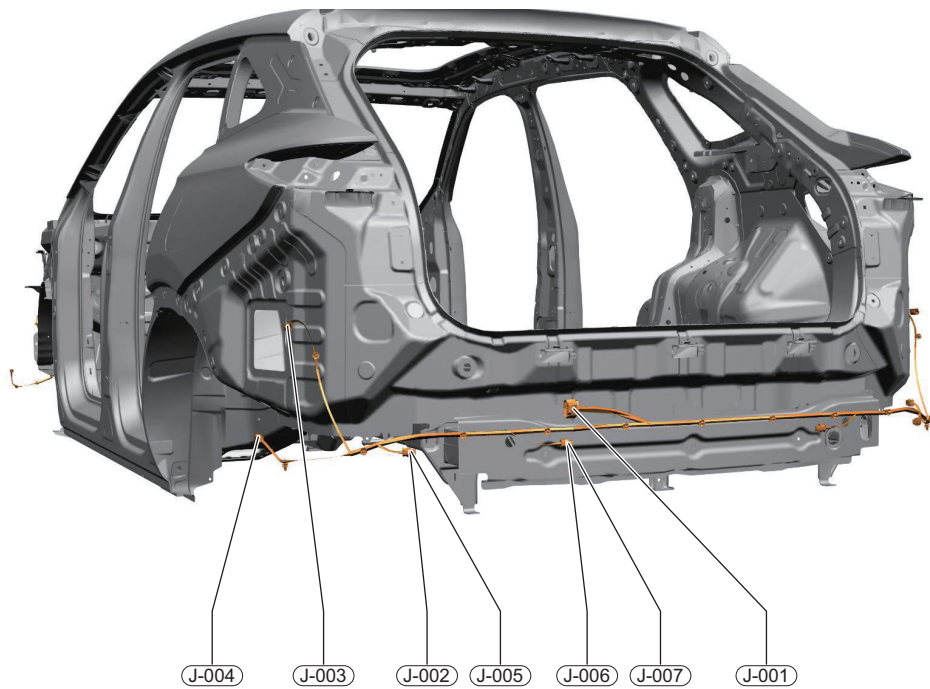
Q-015
B
Millimeter Wave Corner Radar FR



Q-016
B
Side Ultrasonic Sensor APA FR

EPU006001

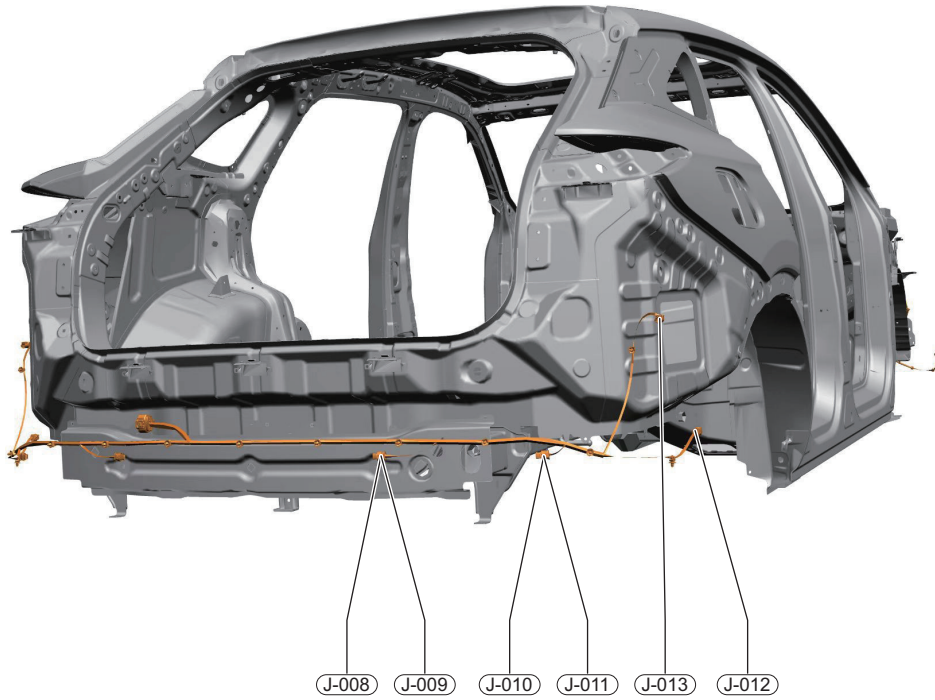
Rear Bumper Wire Harness



WHE008001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| J-001 | B/12 | Rear Bumper to Interior |
| J-002 | B/16 | Radar Module |
| J-003 | B/2 | Rear Left Fog Light |
| J-004 | B/3 | Rear Left Side Ultrasonic Sensor APA |
| J-005 | B/3 | Rear Left Ultrasonic Sensor APA |
| J-006 | B/3 | Rear Left Center Radar |
| J-007 | B/3 | Rear Left Center Ultrasonic Sensor APA |

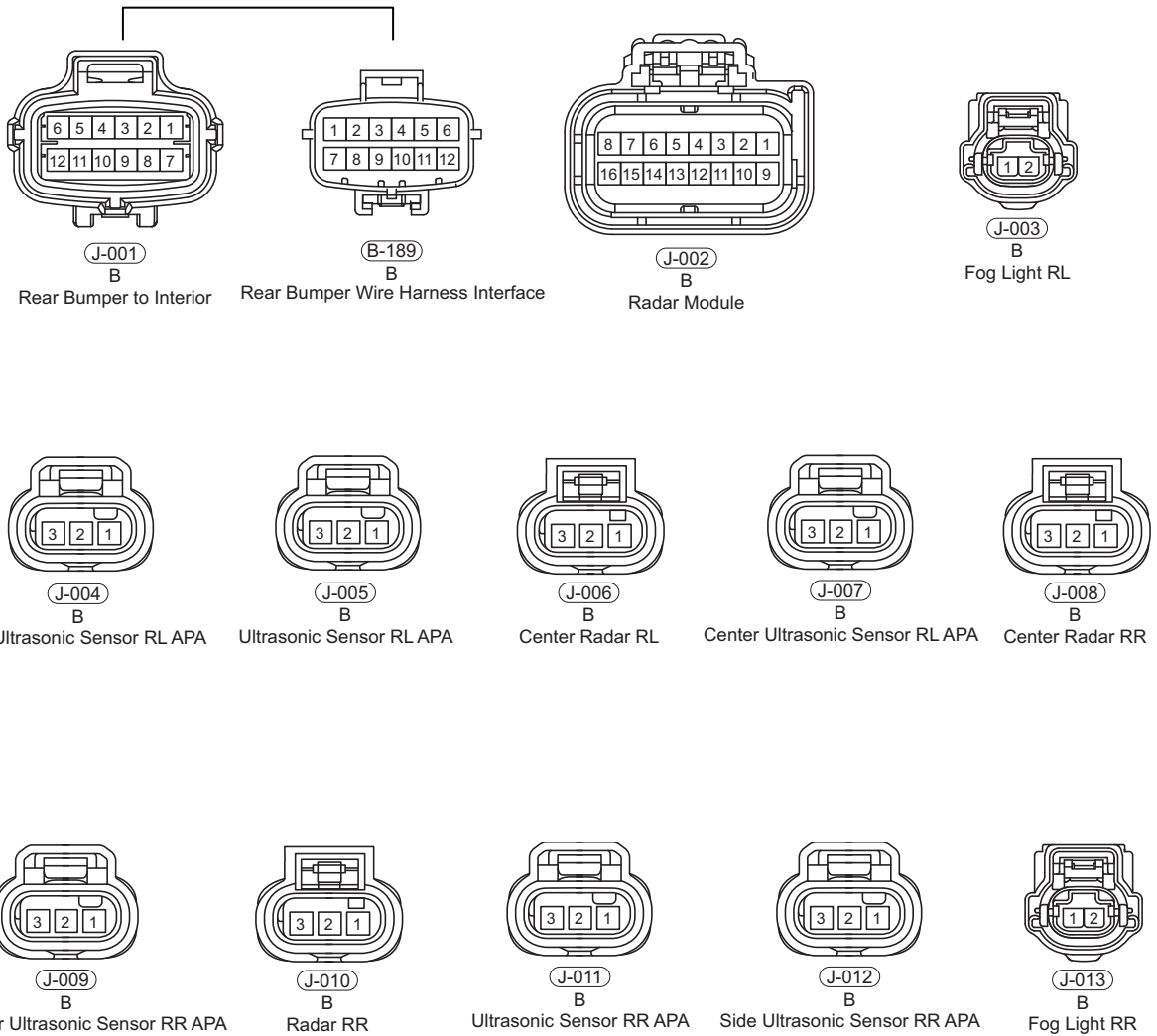
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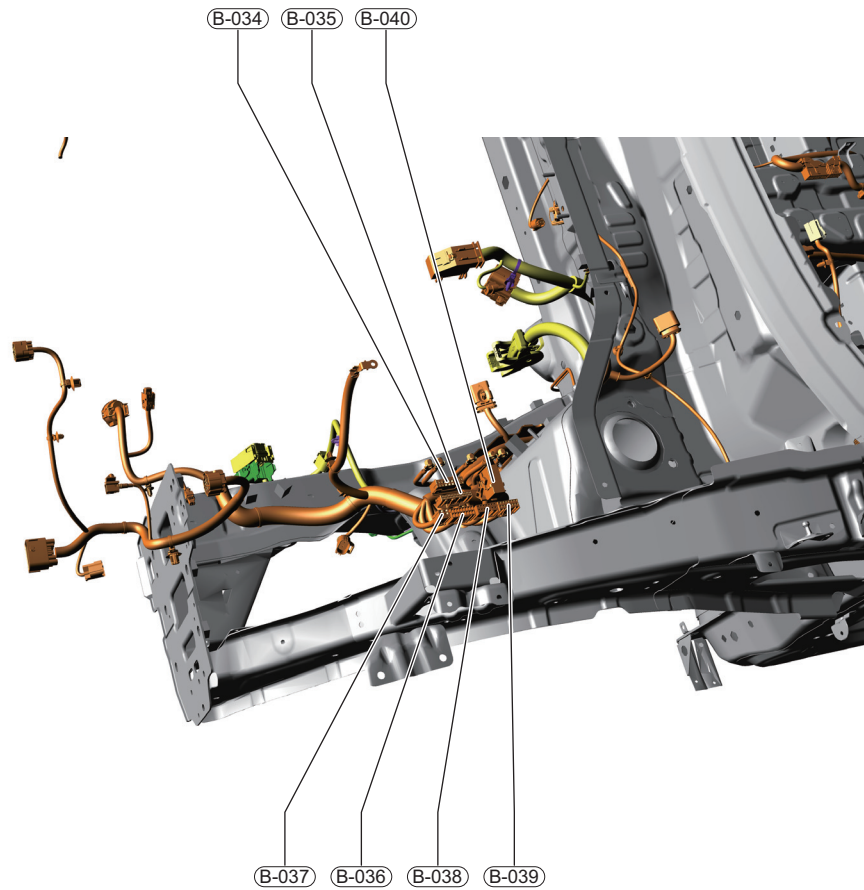
WHE008002

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| J-008 | B/3 | Rear Right Center Radar |
| J-009 | B/3 | Rear Right Center Ultrasonic Sensor APA |
| J-010 | B/3 | Rear Right Radar |
| J-011 | B/3 | Rear Right Ultrasonic Sensor APA |
| J-012 | B/3 | Rear Right Side Ultrasonic Sensor APA |
| J-013 | B/2 | Rear Right Fog Light |

Rear Bumper Wire Harness Connector List

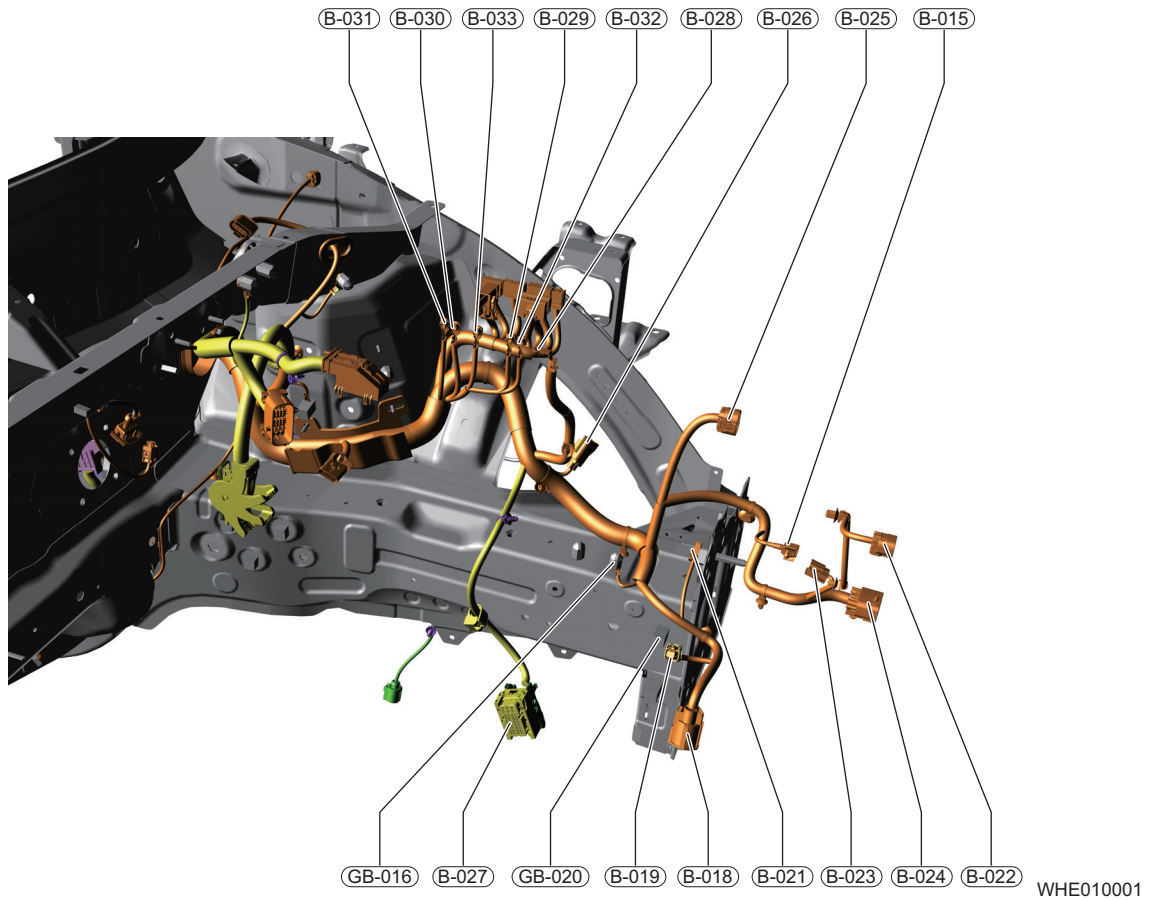


Interior Wire Harness



WHE009001

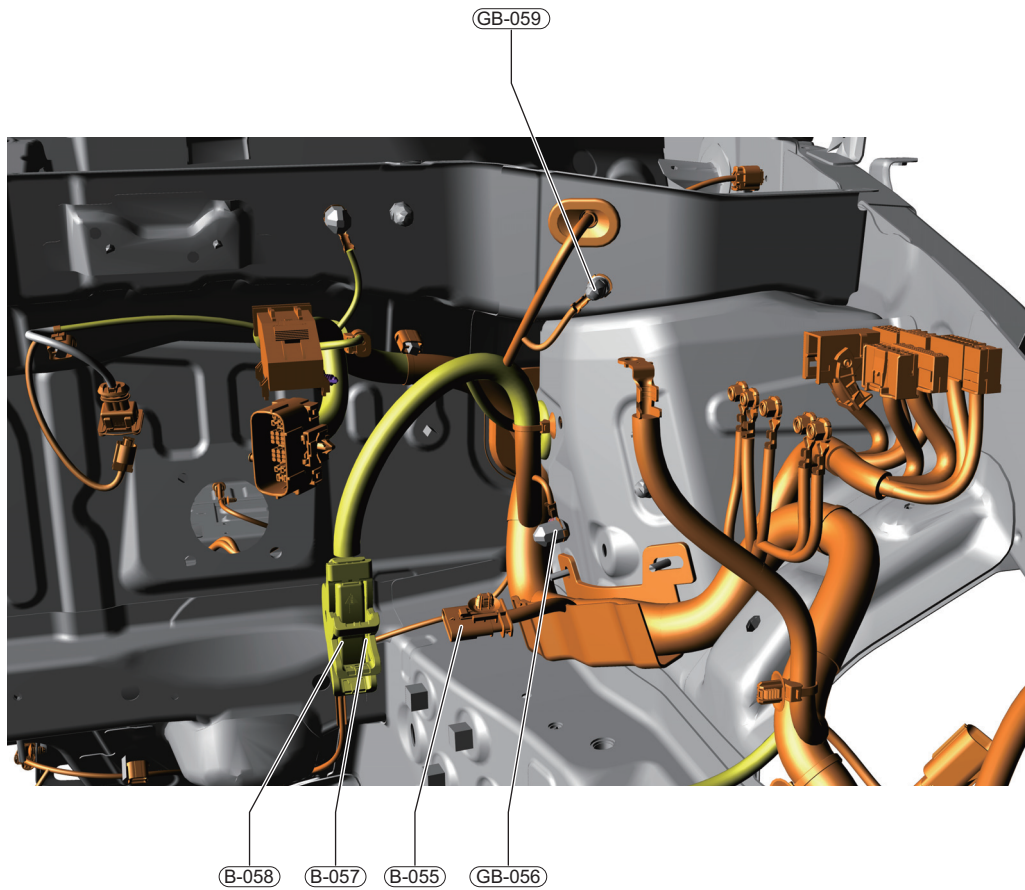
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|------------------------------|
| B-034 | W/12 | Central Fuse and Relay Box J |
| B-035 | W/40 | Central Fuse and Relay Box H |
| B-036 | W/16 | Central Fuse and Relay Box E |
| B-037 | W/2 | Central Fuse and Relay Box F |
| B-038 | W/12 | Central Fuse and Relay Box D |
| B-039 | W/14 | Central Fuse and Relay Box C |
| B-040 | B/14 | Central Fuse and Relay Box G |



| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| B-015 | B/1 | Front Surround View Camera |
| GB-016 | B/1 | G602 |
| B-018 | L/4 | Continuously Cooling Fan |
| B-019 | B/2 | 2nd Path Water Temperature Sensor |
| GB-020 | B/1 | G102 |
| B-021 | B/2 | Front Left Collision Sensor |
| B-022 | B/6 | Left Signal Light |
| B-023 | B/2 | Low Pitched Horn |
| B-024 | B/30 | Front Bumper Wire Harness Interface |
| B-025 | B/18 | Left Headlight |
| B-026 | B/2 | Electronic Vacuum Pump |
| B-027 | B/58 | TCU-DCT4 |
| B-028 | B/1 | Instrument Panel Fuse and Relay Box Terminal |
| B-029 | B/1 | UEC-R-7 |
| B-030 | B/1 | UEC-R-3 |
| B-031 | B/1 | UEC-R-1A |

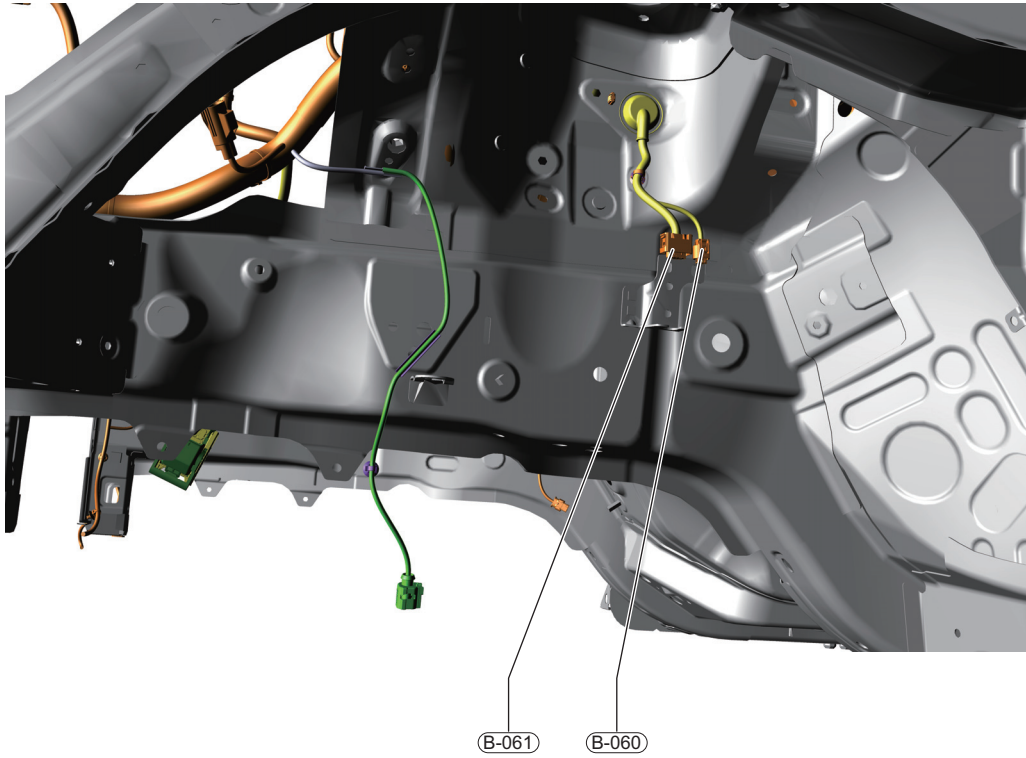
10 - Wire Harness Position Diagram

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------|
| B-032 | B/1 | UEC-R-8 |
| B-033 | B/1 | UEC-R-5 |



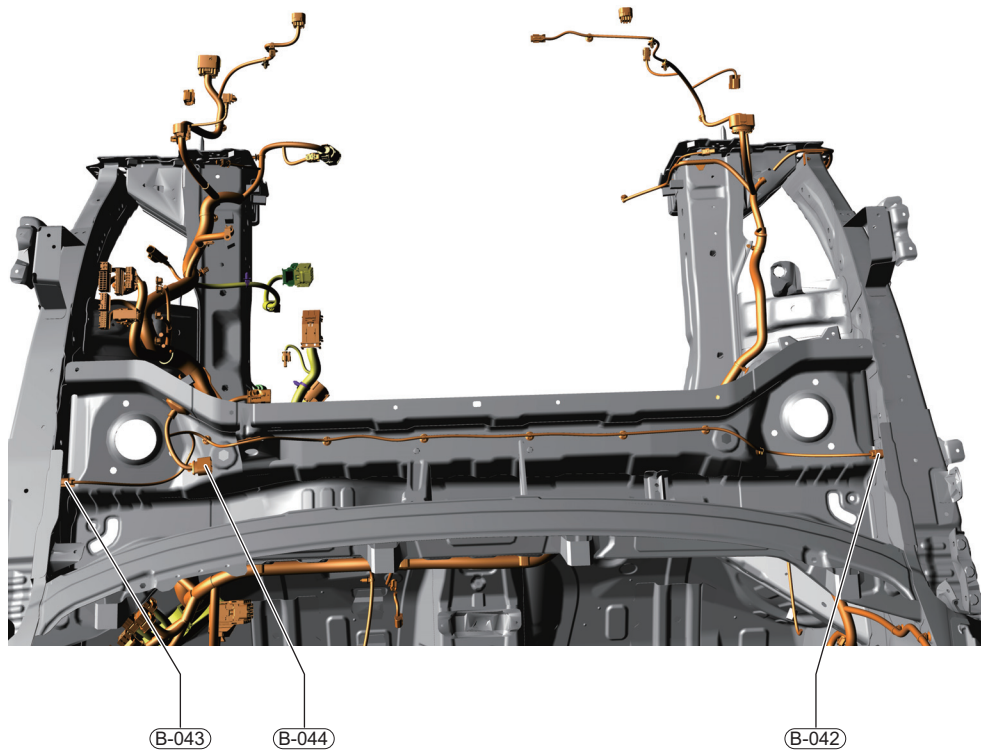
WHE011001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-055 | B/6 | To Electronic Power Steering Wire Harness |
| GB-056 | B/1 | G603 |
| B-057 | B/46 | ONEBOX Electric Wired Braking System |
| B-058 | B/46 | Body Electronic Stability System Module - ESP&EPB |
| GB-059 | B/1 | G604 |



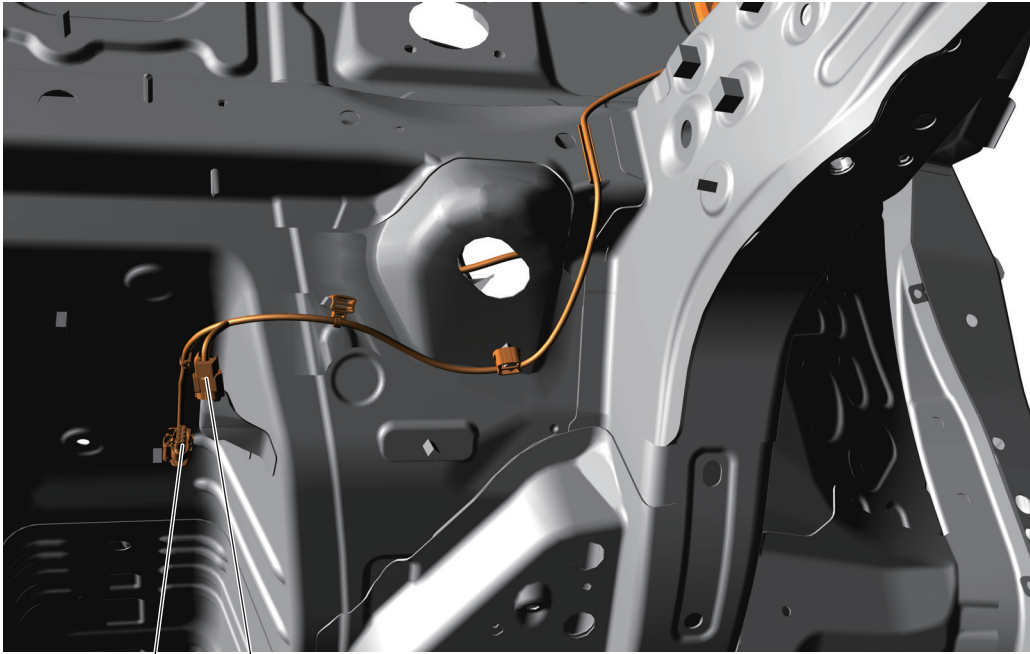
WHE012001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-060 | B/2 | Front Left Wheel Speed Sensor |
| B-061 | B/6 | Front Left Wheel Acceleration Sensor & Shock Absorber Valve |



WHE013001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--------------------------------------|
| B-042 | B/3 | Front Right Body Acceleration Sensor |
| B-043 | B/3 | Front Left Body Acceleration Sensor |
| B-044 | B/4 | Front Wiper Motor |

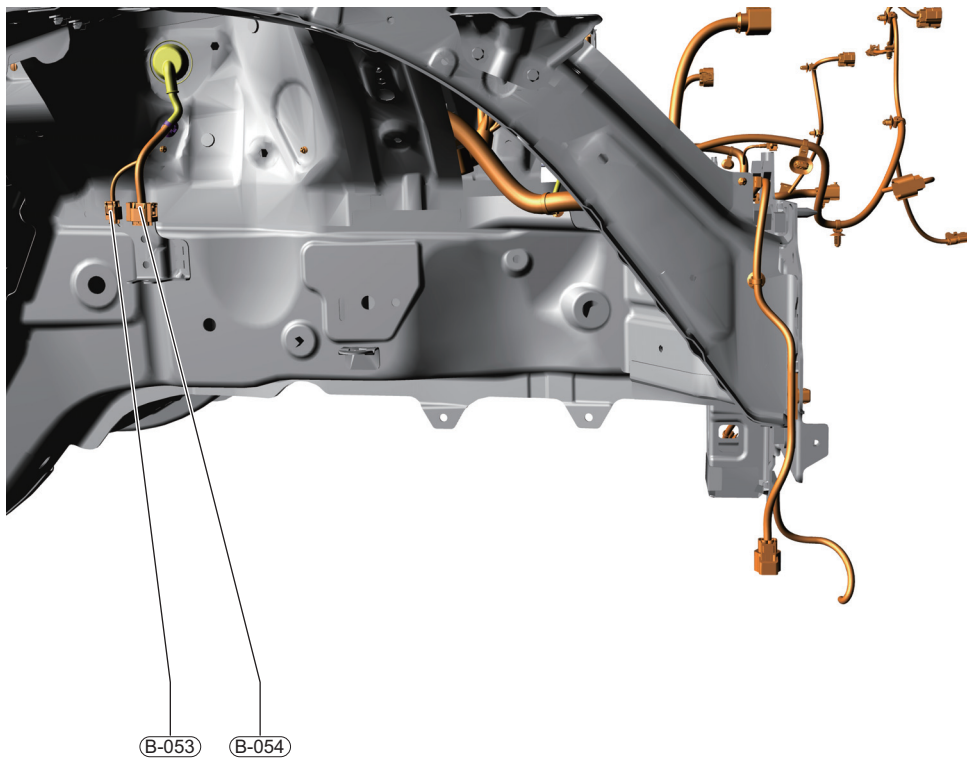


(B-063)

(B-062)

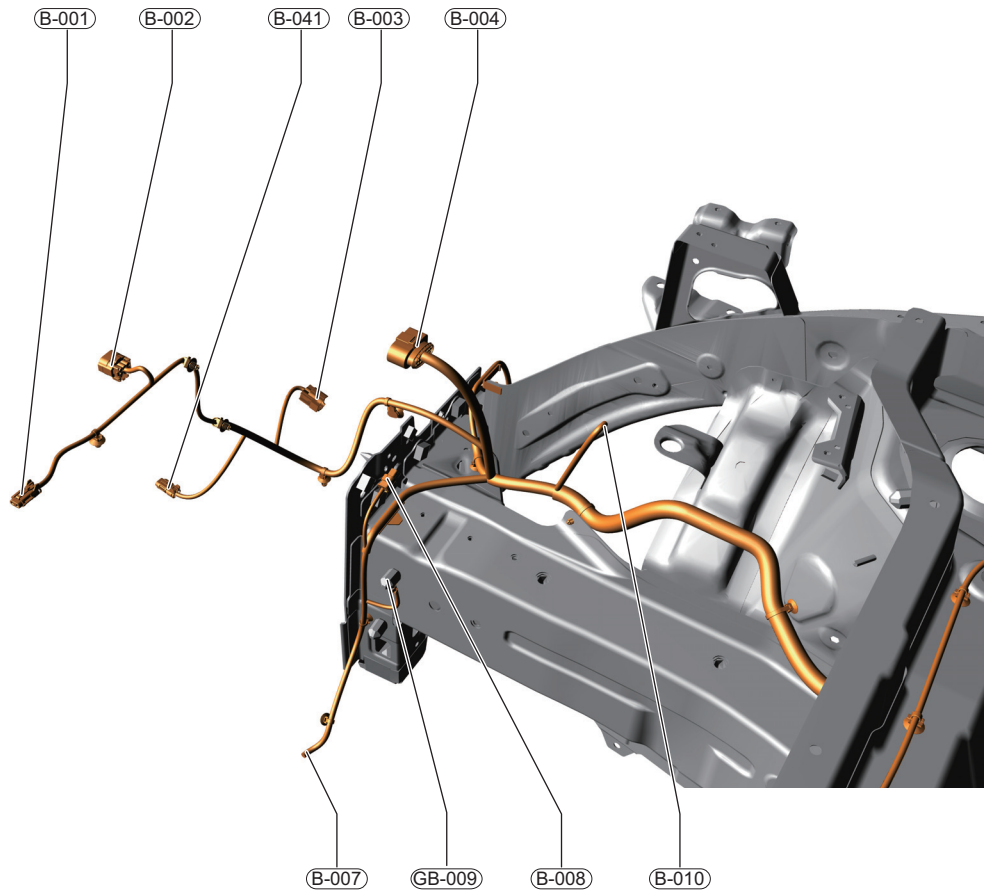
WHE014001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| B-062 | B/2 | GPF Front Temperature Sensor |
| B-063 | B/4 | GPF Dual-mode Differential Pressure Sensor |



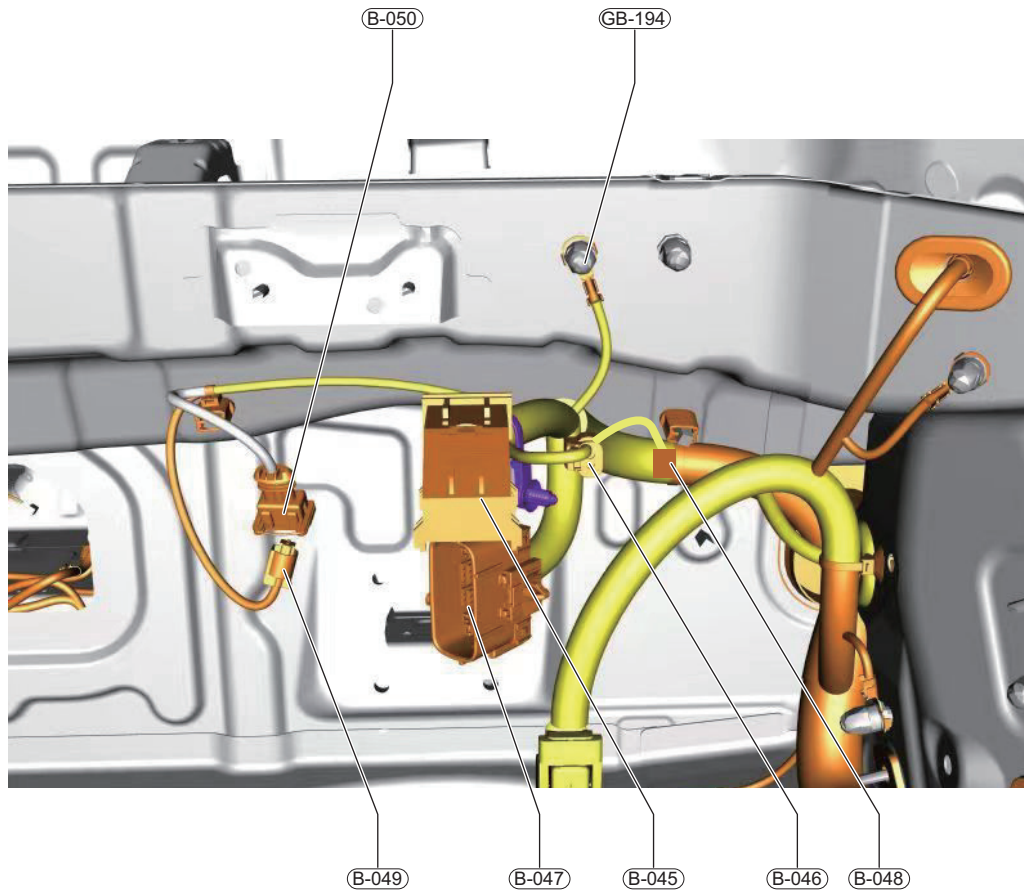
WHE015001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| B-053 | B/2 | Front Right Wheel Speed Sensor |
| B-054 | B/6 | Front Right Wheel Acceleration Sensor & Shock Absorber Valve |



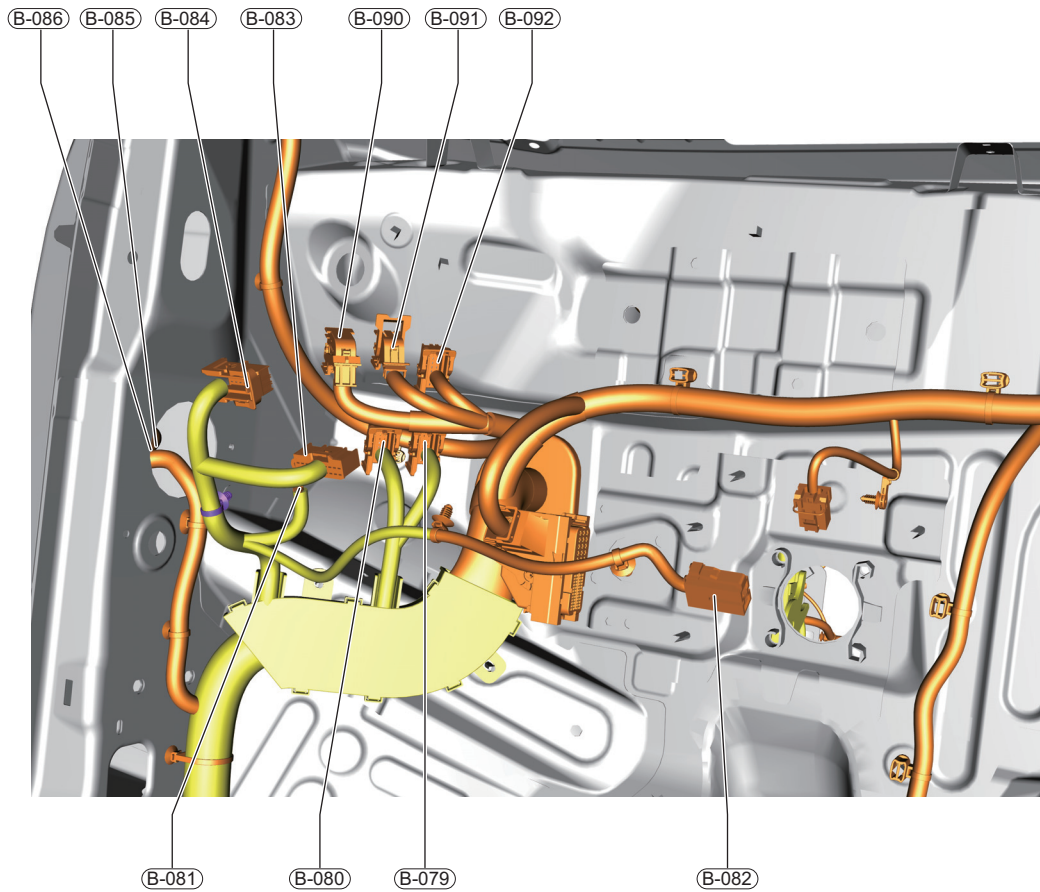
WHE016001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|------------------------------|
| B-001 | B/2 | Front Compartment Cover Lock |
| B-002 | B/6 | Right Signal Light |
| B-003 | B/2 | High Pitched Horn |
| B-004 | B/18 | Right Headlight |
| B-007 | B/4 | Boost Pressure Sensor |
| B-008 | B/2 | Front Right Collision Sensor |
| GB-009 | B/1 | G101 |
| B-010 | B/3 | Pressure Sensor |
| B-041 | B/2 | Outside Temperature Sensor |



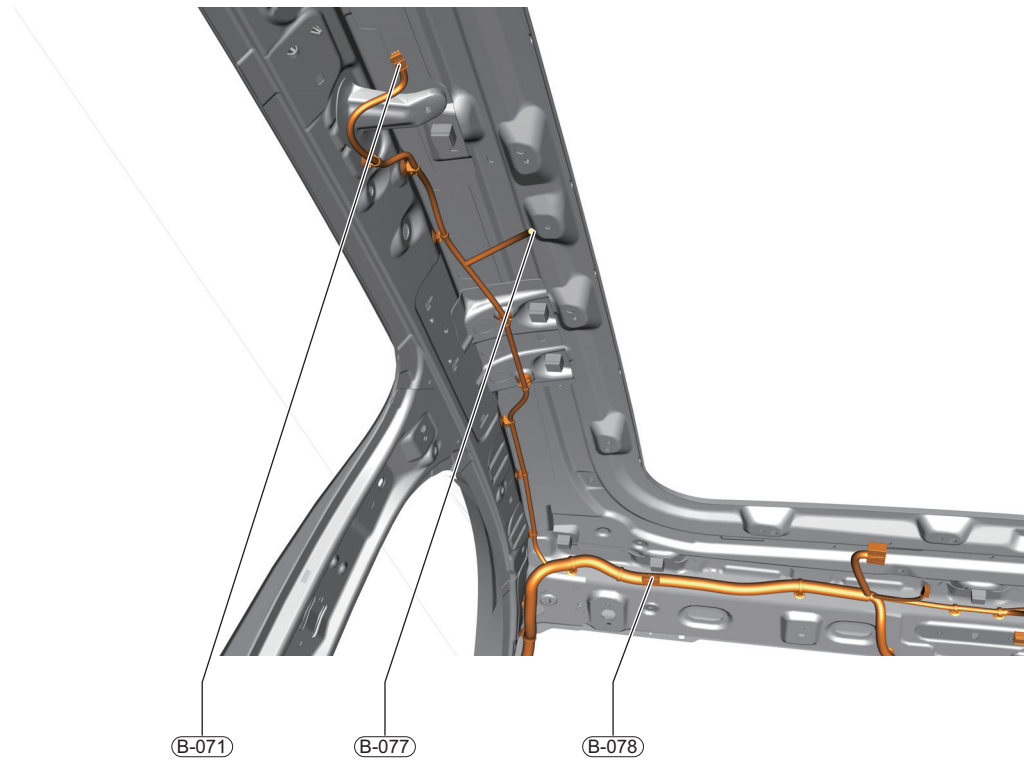
WHE017001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|-----------------------------------|
| B-045 | B/103 | ECU (A) |
| B-046 | B/2 | Battery Sensor |
| B-047 | B/44 | Engine Wire Harness Interface |
| B-048 | B/2 | Brake Fluid Level Sensor |
| B-049 | B/2 | Brake Fluid Level Sensor (ONEBOX) |
| B-050 | B/3 | Brake Vacuum Sensor |
| GB-194 | B/1 | G618 |



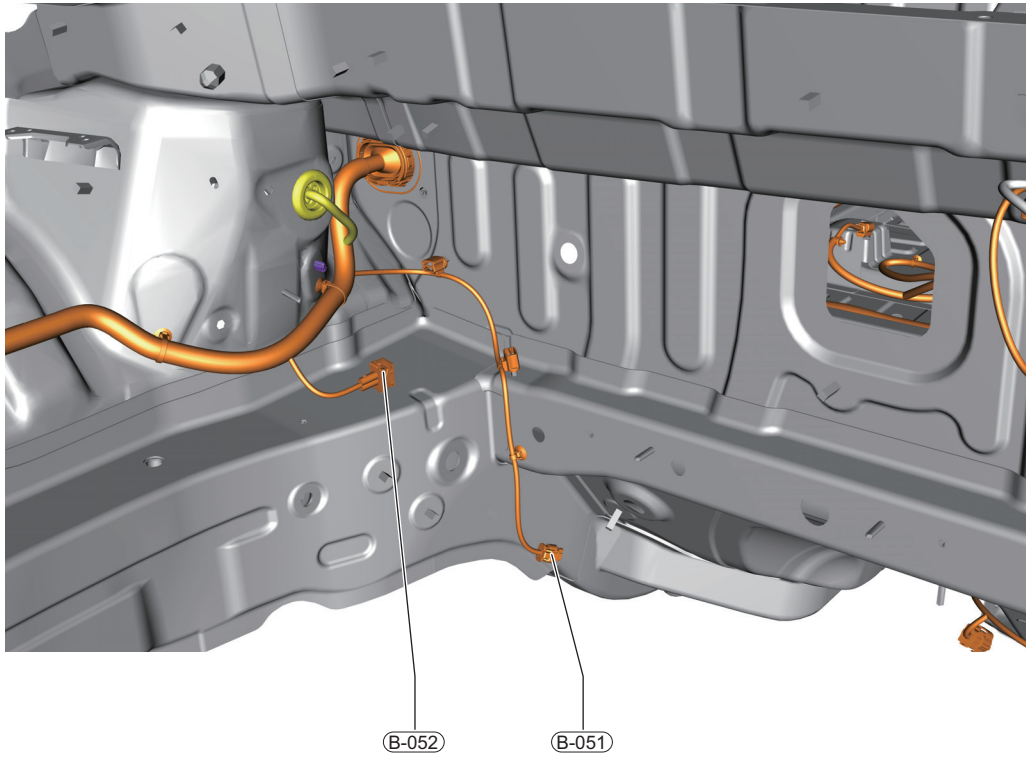
WHE018001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| B-079 | L/25 | Body Domain Control Module (BDM) J6 |
| B-080 | B/25 | Body Domain Control Module (BDM) J5 |
| B-081 | B/1 | IEC-R |
| B-082 | B/2 | EPS-P |
| B-083 | W/20 | Instrument Panel Fuse and Relay Box C2 |
| B-084 | B/25 | Instrument Panel Fuse and Relay Box C4 |
| B-085 | W/71 | Front Left Door Wire Harness Interface |
| B-086 | B/1 | Left Surround View Camera |
| B-090 | B/52 | Body Domain Control Module (BDM) J3 |
| B-091 | B/40 | Body Domain Control Module (BDM) J2 |
| B-092 | B/25 | Body Domain Control Module (BDM) J1 |



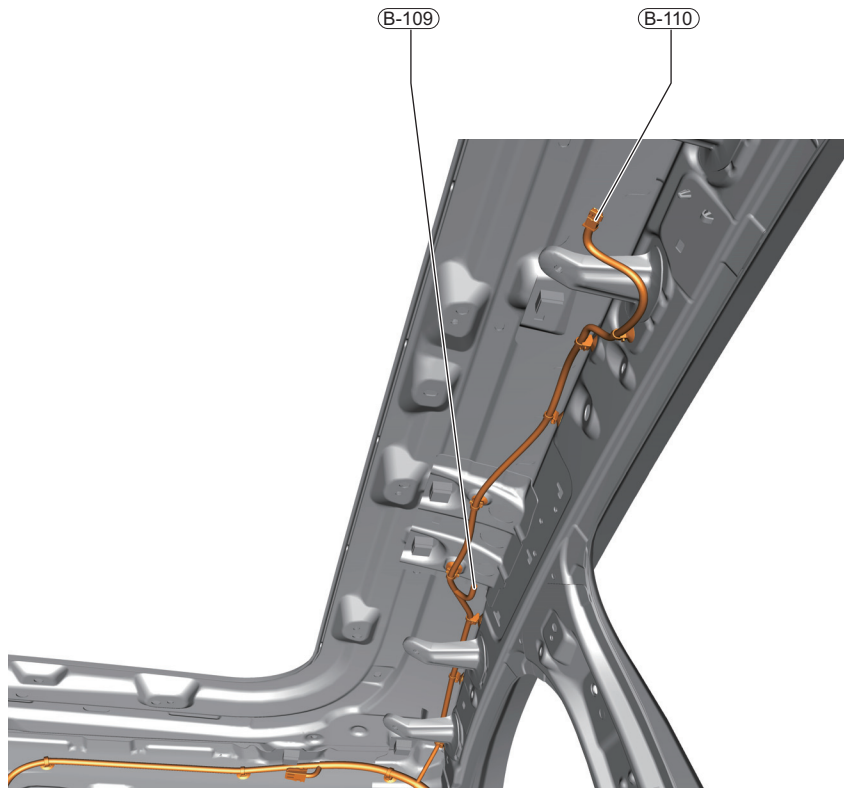
WHE019001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---------------------------------|
| B-071 | B/4 | Rear Left Dome Light |
| B-077 | B/2 | Left Side Curtain Shield Airbag |
| B-078 | B/2 | Left Vanity Mirror Light |



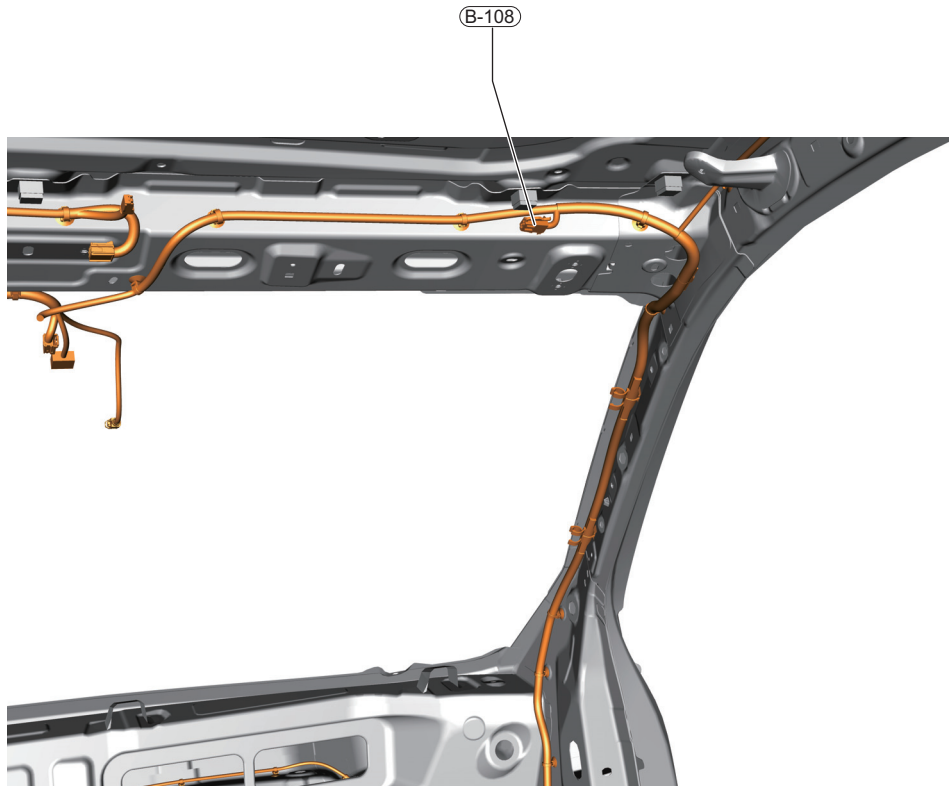
WHE020001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-051 | B/3 | Low Pressure Fuel Passage Pressure Sensor |
| B-052 | B/2 | Anti-theft Horn |



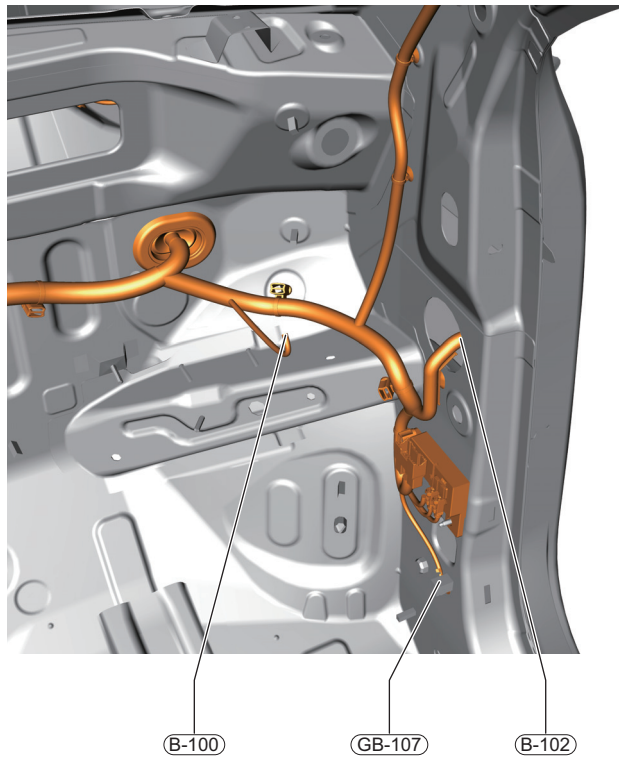
WHE021001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------------------------|
| B-109 | B/2 | Right Side Curtain Shield Airbag |
| B-110 | B/4 | Rear Right Dome Light |



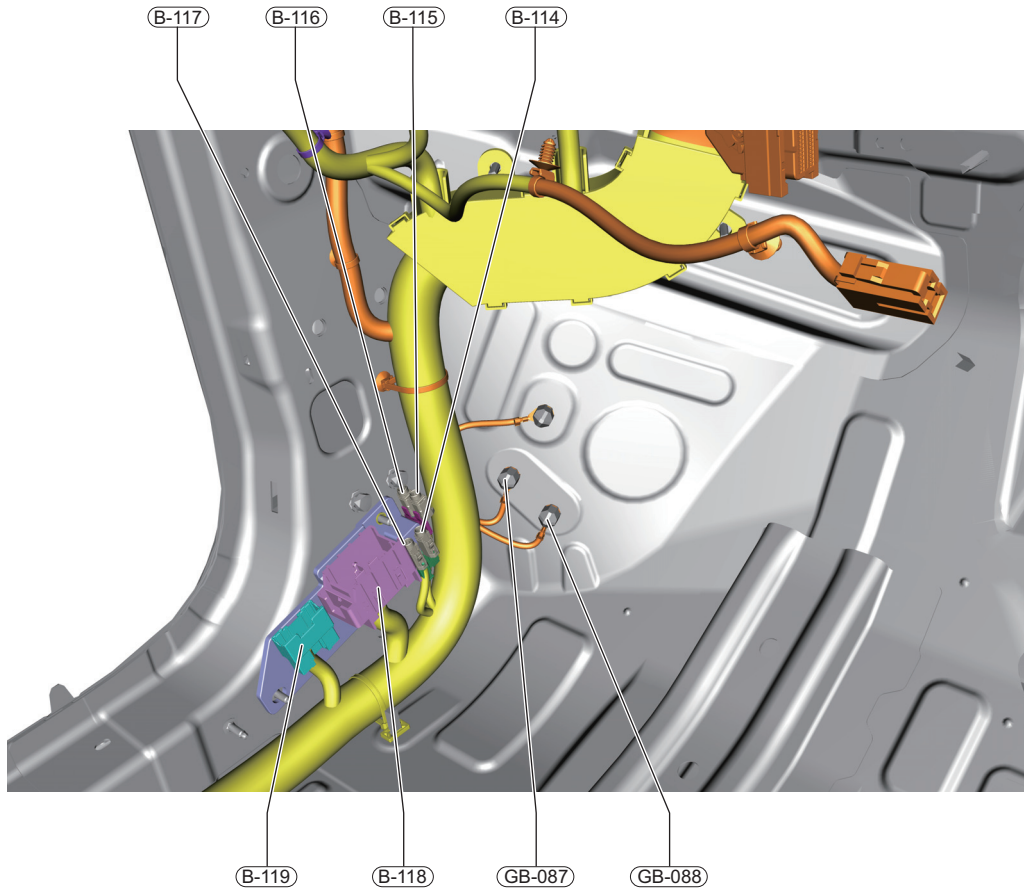
WHE022001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---------------------------|
| B-108 | B/2 | Right Vanity Mirror Light |



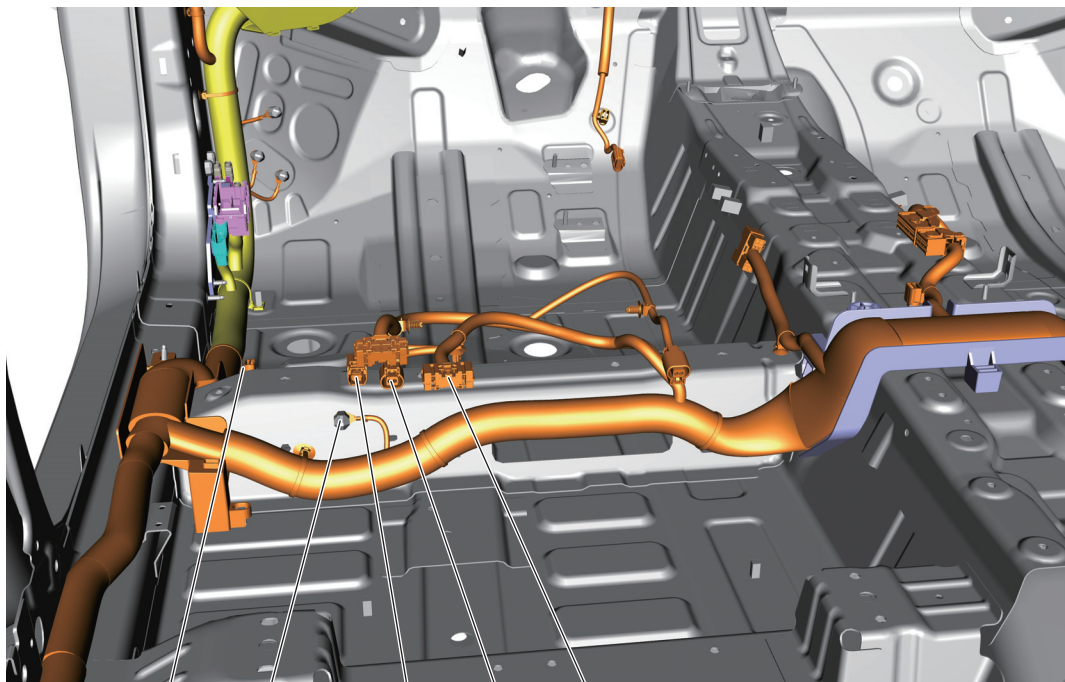
WHE023001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-100 | W/4 | CVBOX Four-in-one Camera |
| B-102 | B/71 | Front Right Door Wire Harness Interface |
| GB-107 | B/1 | G610 |



WHE024001

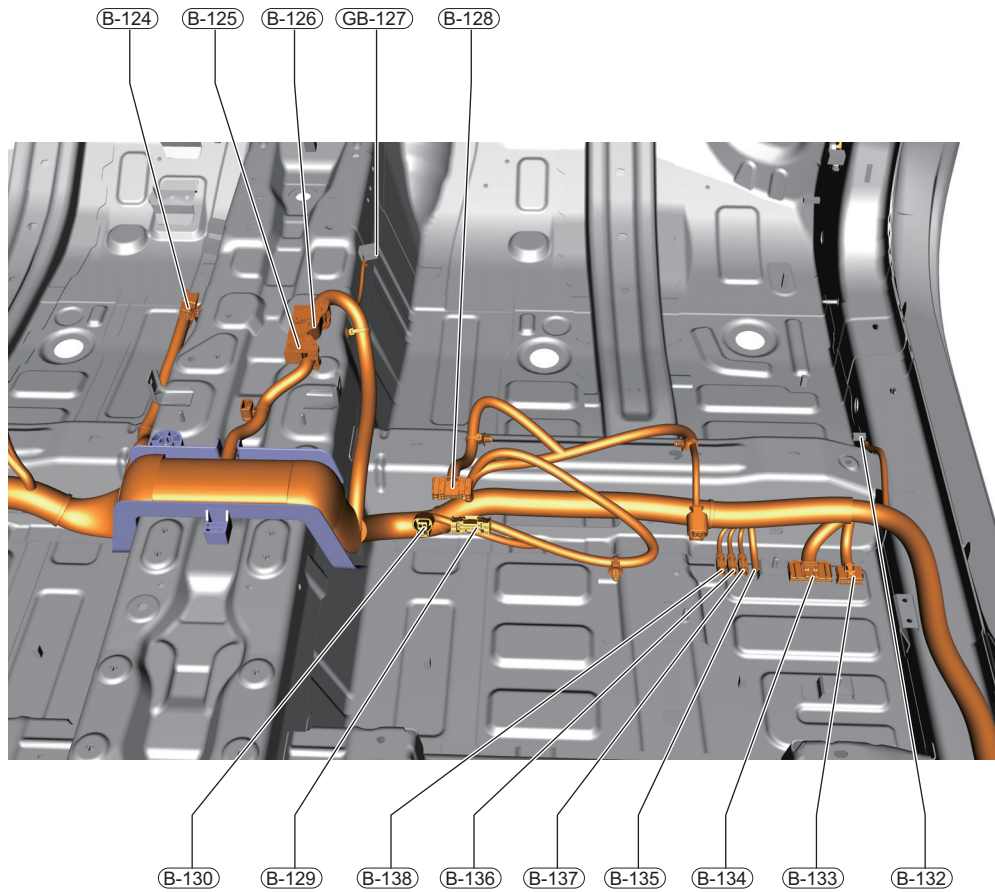
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| GB-087 | B/1 | G605 |
| GB-088 | B/1 | G606 |
| B-114 | W/1 | Surround View Camera Video Output |
| B-115 | L/1 | Radio Antenna |
| B-116 | W/1 | Reversing View Camera |
| B-117 | B/4 | 360 Four-in-one Camera (w/o Pilot Configuration) |
| B-118 | W/76 | Instrument Panel Wire Harness Interface - L2 |
| B-119 | W/28 | Instrument Panel Wire Harness Interface - L1 |



(B-120) (GB-139) (B-123) (B-122) (B-121)

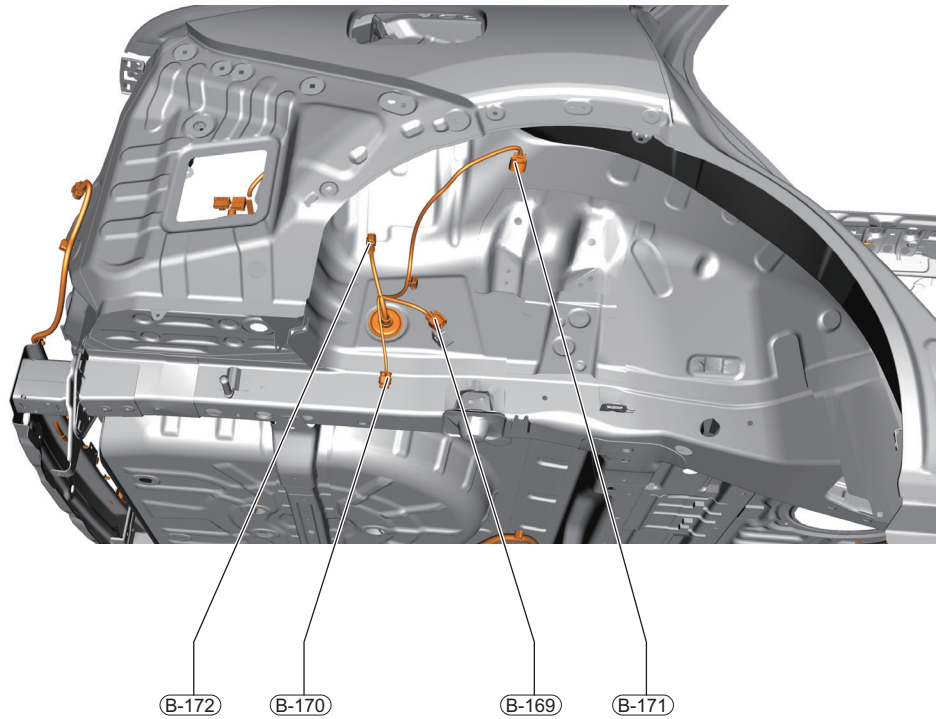
WHE025001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|-------------------------|
| B-120 | W/2 | Front Left Rocker Light |
| B-121 | W/42 | Driver Seat |
| B-122 | Y/2 | Driver Seat Side Airbag |
| B-123 | Y/2 | Far Side Airbag |
| GB-139 | B/1 | G607-2 |



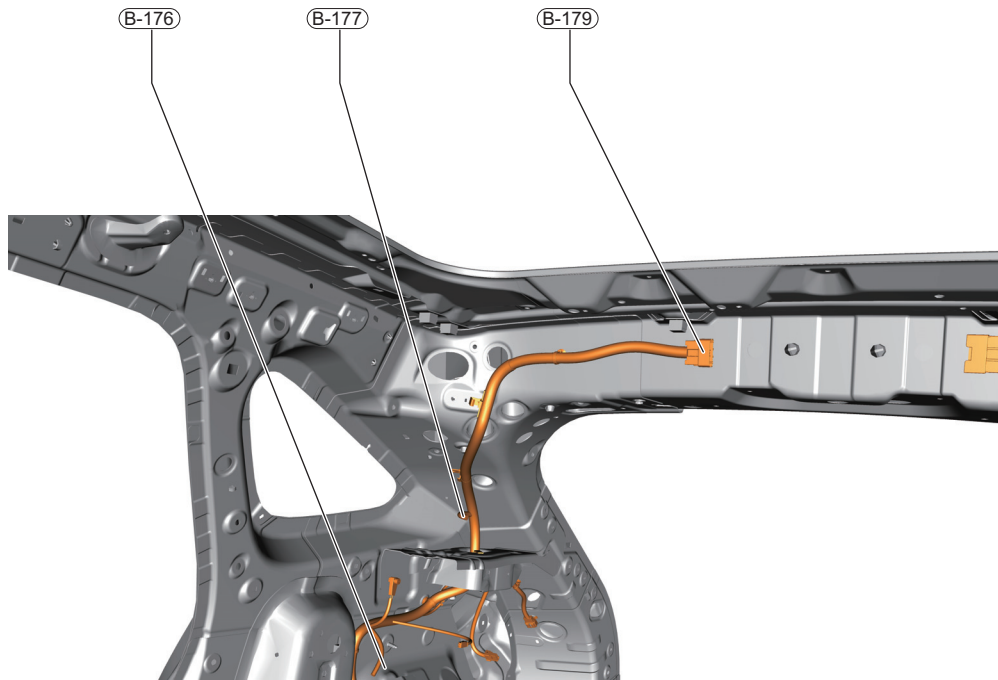
WHE026001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-124 | W/16 | Instrument Panel Wire Harness Interface - M |
| B-125 | B/30 | Airbag Control Module - B |
| B-126 | B/54 | Airbag Control Module - A |
| GB-127 | B/1 | G504 |
| B-128 | W/28 | Front Passenger Seat |
| B-129 | W/28 | Front Passenger Seat (High Configuration) |
| B-130 | Y/2 | Front Passenger Seat Side Airbag |
| B-132 | W/2 | Front Right Rocker Light |
| B-133 | B/20 | Smart Driving Domain Controller 2 |
| B-134 | W/40 | Smart Driving Domain Controller 1 |
| B-135 | B/4 | 360 Four-in-one Camera (w/ Pilot Configuration) |
| B-136 | L/1 | Front Left Stereo Camera |
| B-137 | V/1 | Front Right Stereo Camera |
| B-138 | W/1 | Surround View Camera Video Output |



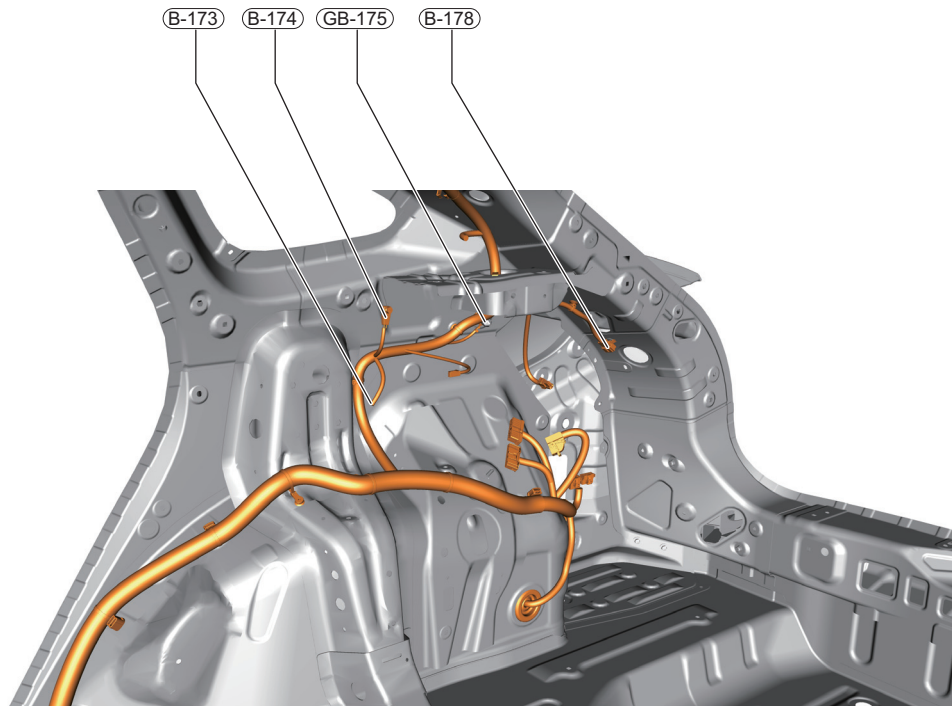
WHE026002

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-169 | B/4 | Rear Right Caliper Motor & Wheel Speed Sensor |
| B-170 | B/2 | Rear Right Shock Absorber Valve |
| B-171 | B/3 | Fuel Tank Pressure Sensor |
| B-172 | B/2 | Canister Close Valve |



WHE026003

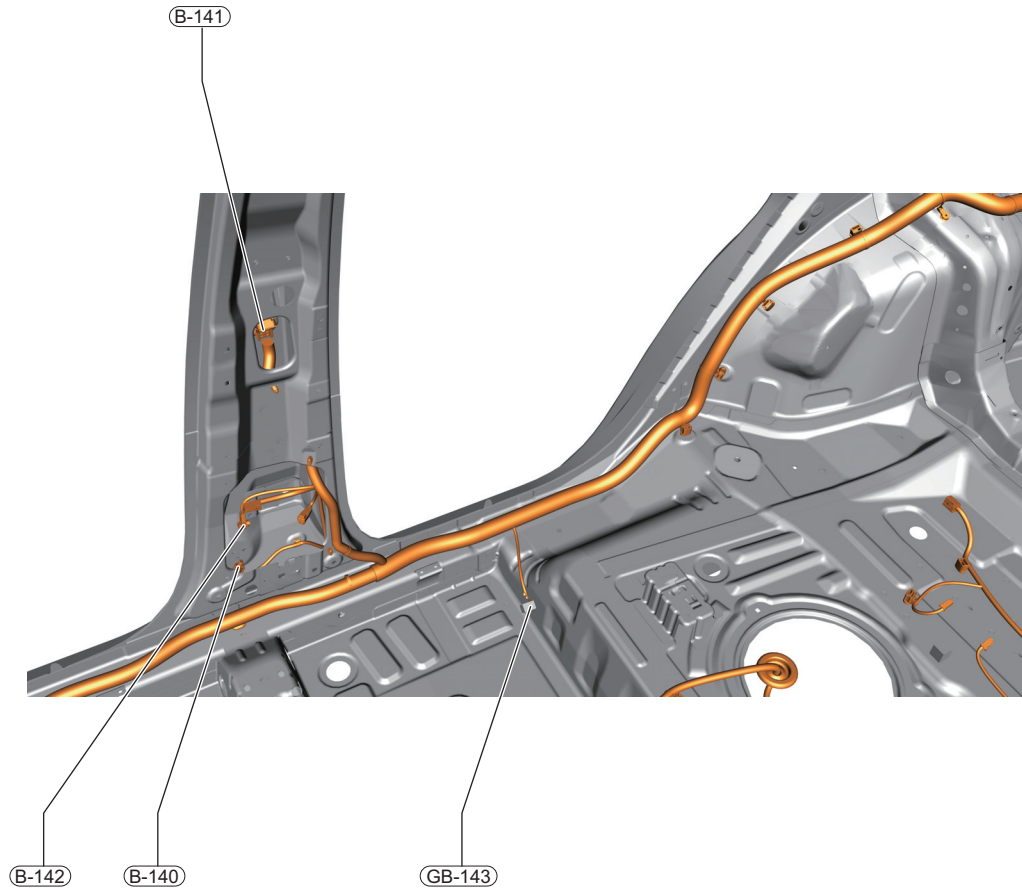
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-176 | W/14 | 2nd Row Seat Fuse and Relay Box |
| B-177 | B/16 | Roof Wire Harness Interface |
| B-179 | B/16 | Rear Right Back Door Wire Harness Interface |



WHE026004

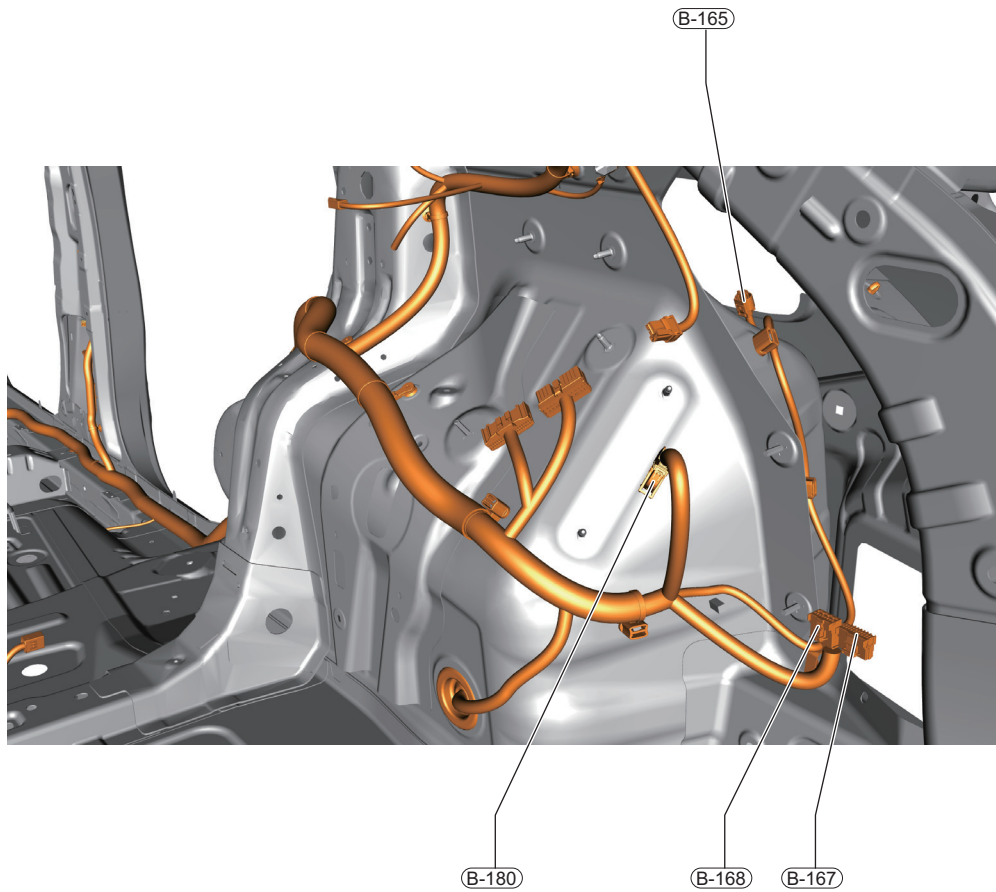
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--------------------------------------|
| B-173 | B/4 | Rear Right Seatback Adjustment Motor |
| B-174 | B/2 | Rear Right Seat Belt Pretensioner |
| GB-175 | B/1 | G615 |
| B-178 | W/10 | Rear Right Fixed Combination Light |

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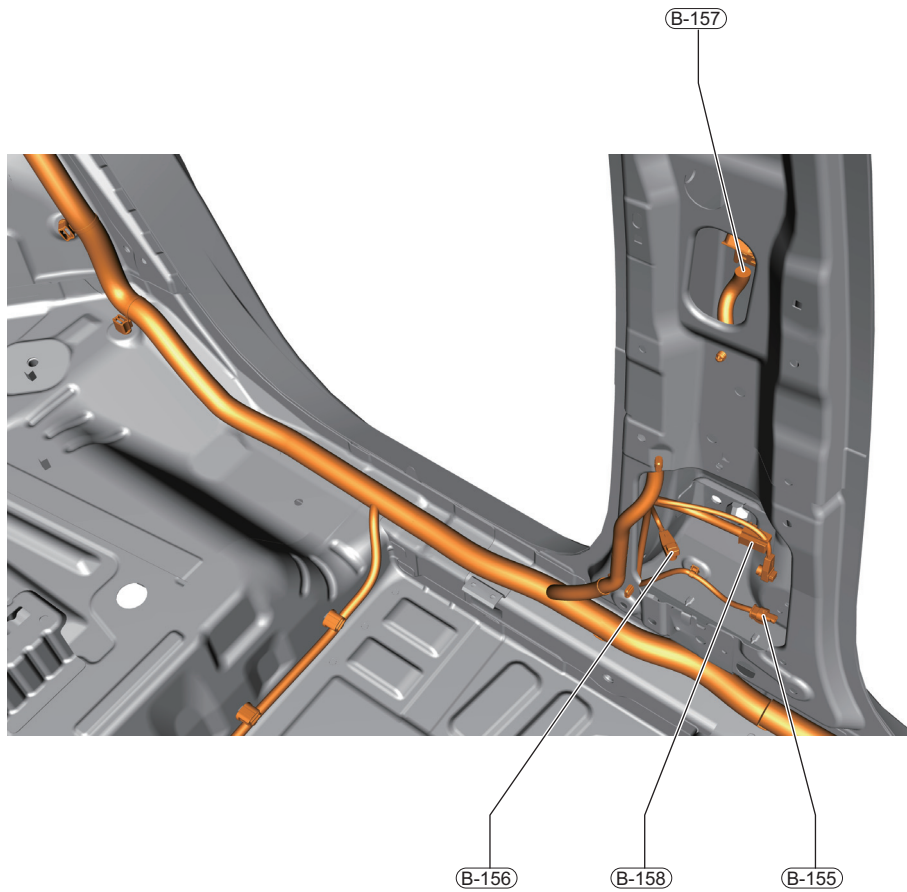
WHE026005

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| B-140 | B/2 | Passenger Side Collision Sensor |
| B-141 | B/52 | Rear Right Door Wire Harness Interface |
| B-142 | B/2 | Front Passenger Seat Belt Retractor Pretensioner |
| GB-143 | B/1 | G616-2 |



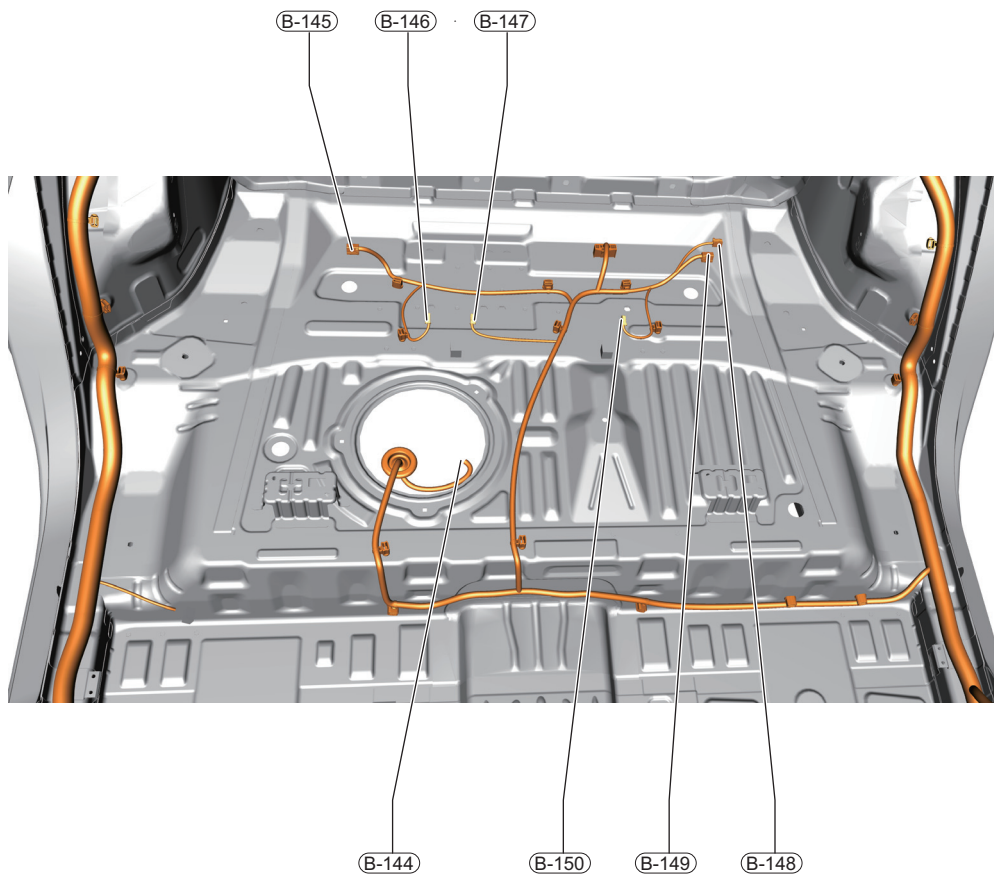
WHE026006

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|-------------------|
| B-165 | B/2 | Fuel Filler Door |
| B-167 | B/20 | Power Amplifier 2 |
| B-168 | B/12 | Power Amplifier 1 |
| B-180 | B/16 | AWD |



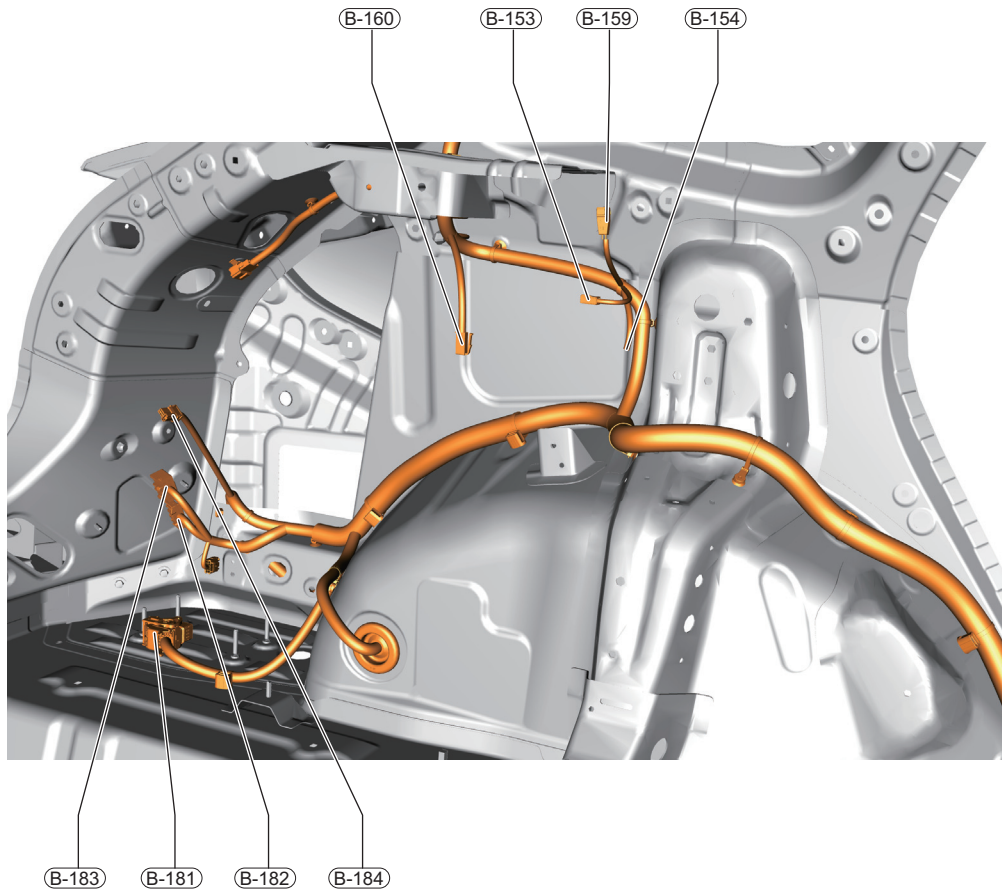
WHE026007

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-155 | B/2 | Driver Side Collision Sensor |
| B-156 | B/2 | Driver Seat Belt Retractor Pretensioner |
| B-157 | B/52 | Rear Left Door Wire Harness Interface |
| B-158 | B/5 | Front Left Seat Belt with Pretensioner |



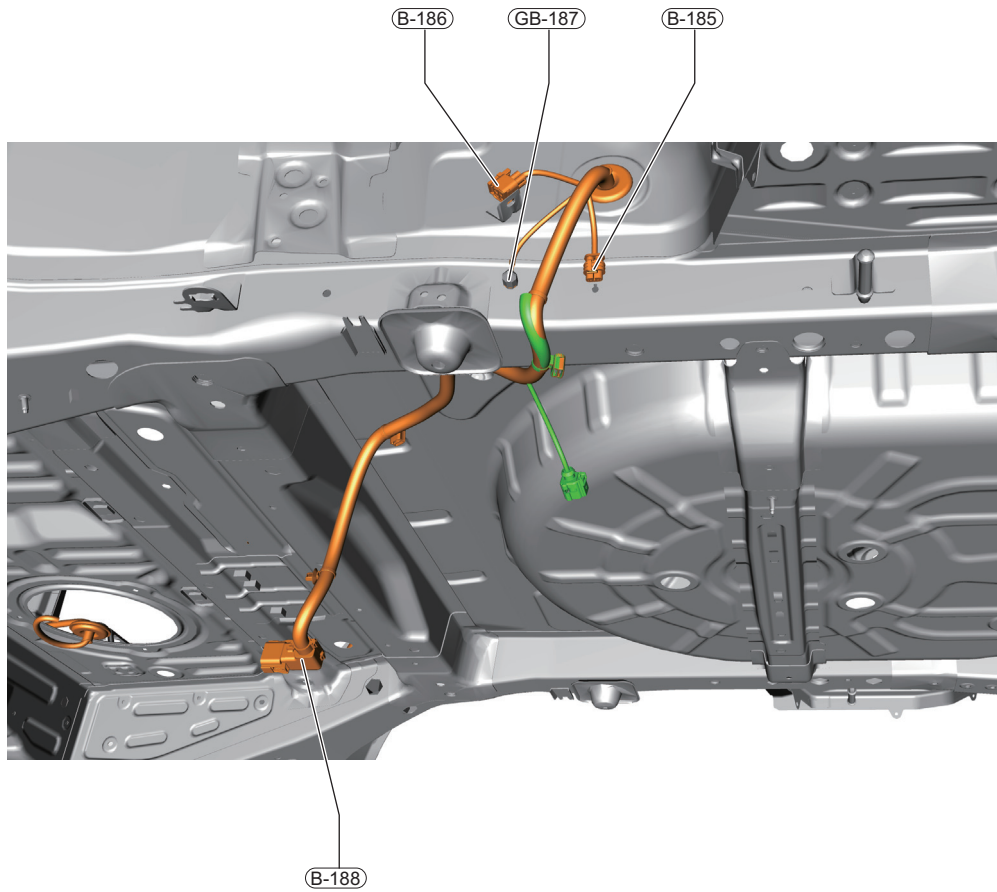
WHE026008

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---------------------------------|
| B-144 | B/10 | Fuel Pump Controller |
| B-145 | W/10 | 2nd Row Right Seat Heating |
| B-146 | B/2 | 2nd Row Right Seat Belt Buckle |
| B-147 | W/2 | 2nd Row Middle Seat Belt Buckle |
| B-148 | W/10 | 2nd Row Left Seat Heating |
| B-149 | W/6 | 2nd Row Passenger Detection |
| B-150 | B/2 | 2nd Row Left Seat Belt Buckle |



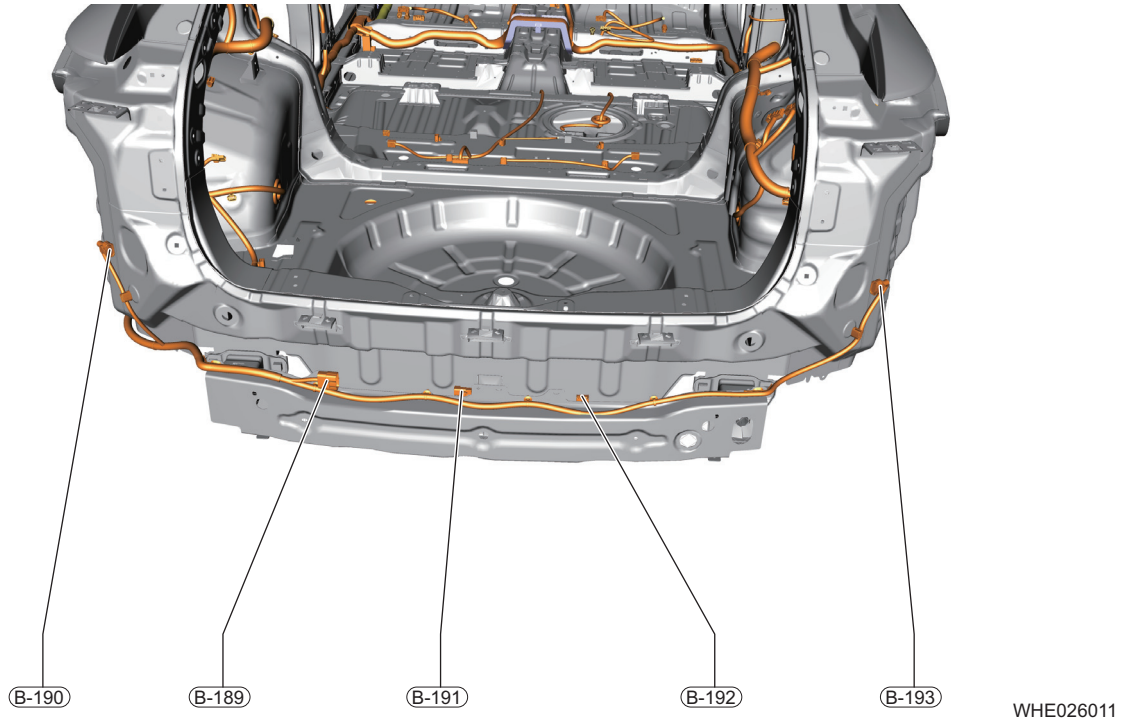
WHE026009

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-153 | W/2 | Left Luggage Compartment Light |
| B-154 | B/4 | Rear Left Seatback Adjustment Motor |
| B-159 | B/2 | Rear Left Seat Belt Pretensioner |
| B-160 | W/4 | Subwoofer |
| B-181 | B/48 | Automatic Suspension Control Module (ASU) |
| B-182 | B/14 | Power Back Door PLG1 |
| B-183 | B/32 | Power Back Door PLG2 |
| B-184 | B/3 | Rear Left Body Acceleration Sensor |

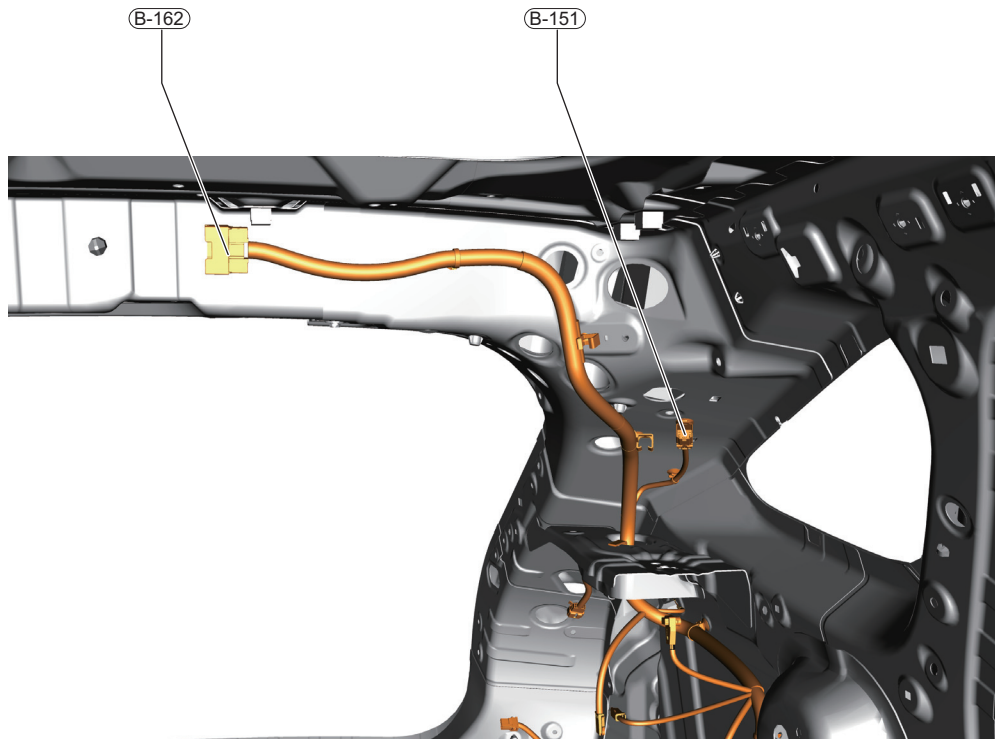


WHE026010

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| B-185 | B/2 | Rear Left Wheel Shock Absorber Valve |
| B-186 | B/4 | Rear Left Caliper Motor & Wheel Speed Sensor |
| GB-187 | B/1 | G614 |
| B-188 | B/11 | 4WD Motor |

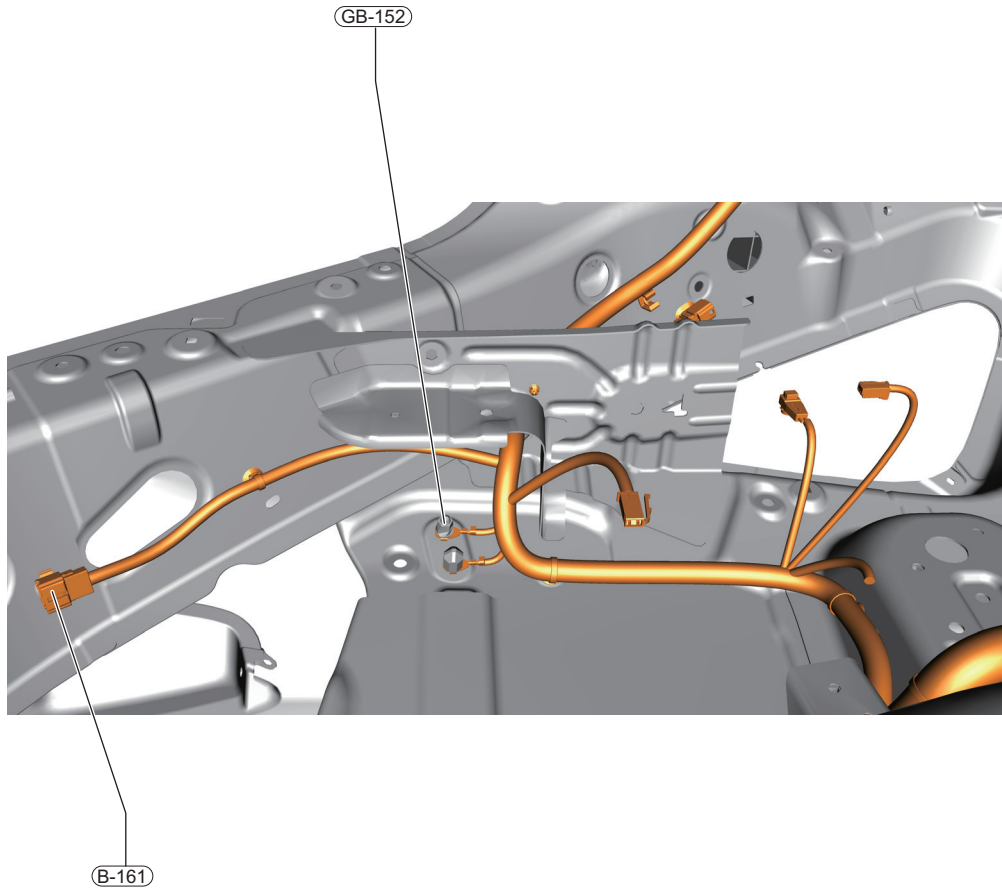


| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--------------------------------------|
| B-189 | B/12 | Rear Bumper Wire Harness Interface |
| B-190 | B/12 | Main Blind Spot Detection Radar |
| B-191 | B/2 | Rear Bumper PEPS Antenna |
| B-192 | B/4 | Bluetooth Module - Interior |
| B-193 | B/12 | Auxiliary Blind Spot Detection Radar |



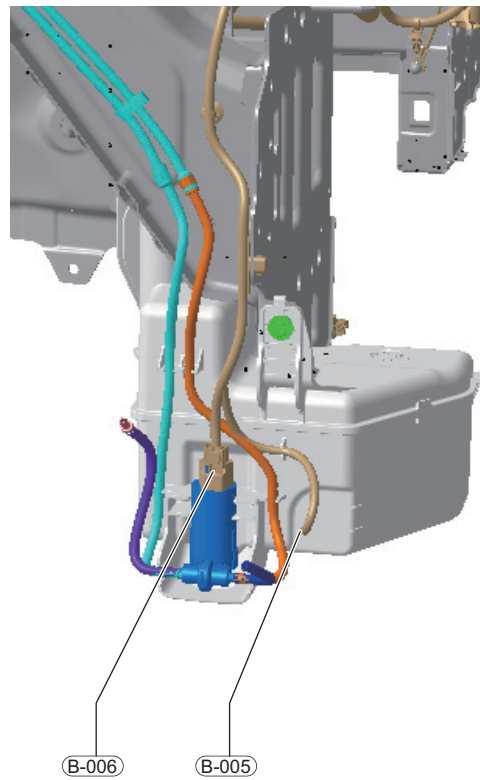
WHE026012

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| B-151 | B/10 | Power Support Rod |
| B-162 | B/26 | Rear Left Back Door Wire Harness Interface |



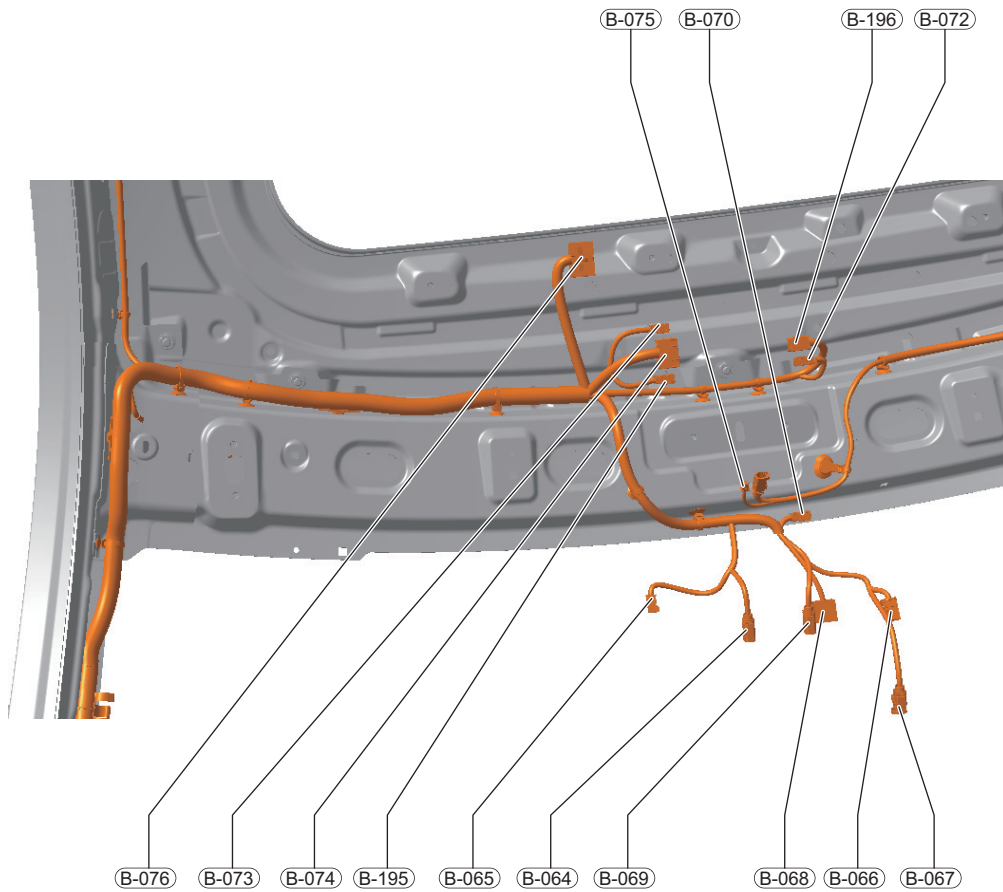
WHE026013

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------------------|
| GB-152 | B/1 | G608 |
| B-161 | B/10 | Fixed Combination Light RL |



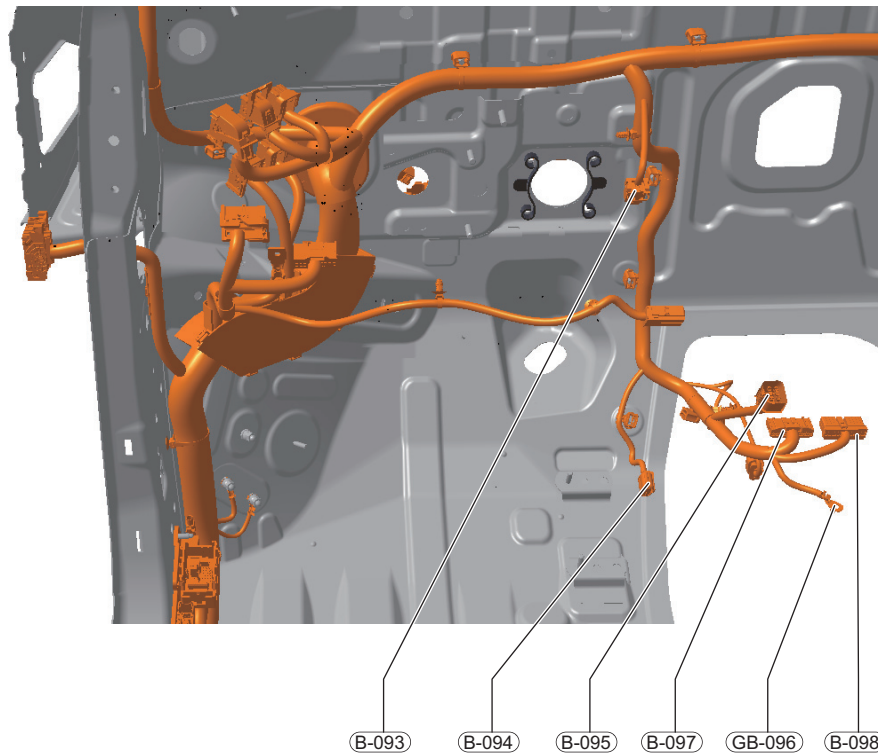
WHE026015

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---------------------------------|
| B-005 | B/2 | Washing Fluid Level Sensor |
| B-006 | B/2 | Double Water Outlet Washer Pump |



WHE026016

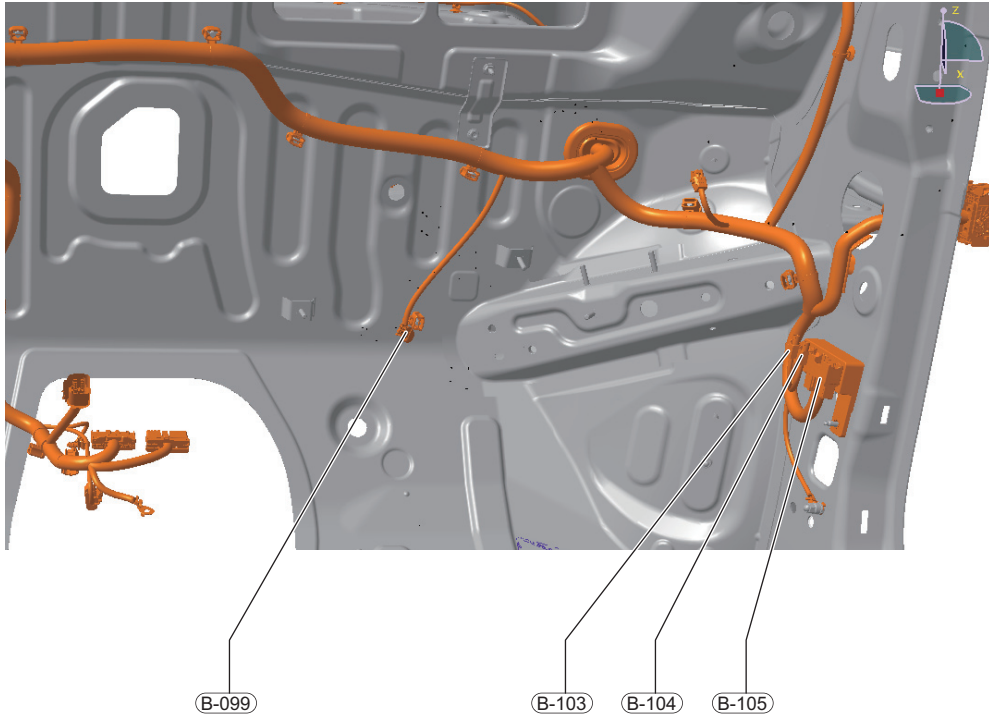
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| B-064 | B/1 | Front Left Stereo Camera |
| B-065 | B/3 | Sunlight Rain Humidity Sensor |
| B-066 | W/8 | Driving Recorder |
| B-067 | B/1 | CVBOX-DVR |
| B-068 | B/16 | Multi-function Front View Camera (FCM) |
| B-069 | B/1 | Front Right Stereo Camera |
| B-070 | B/6 | Anti-glare Inside Rear View Mirror |
| B-072 | B/2 | Microphone 2 |
| B-073 | B/2 | Microphone 1 |
| B-074 | B/14 | Front Dome Light |
| B-075 | B/2 | Passenger Camera Supplement Light |
| B-076 | B/14 | To Panoramic Sliding Roof C-001 |
| B-195 | B/2 | Roof USB Charging Module |
| B-196 | B/6 | SOS Switch |



WHE026017

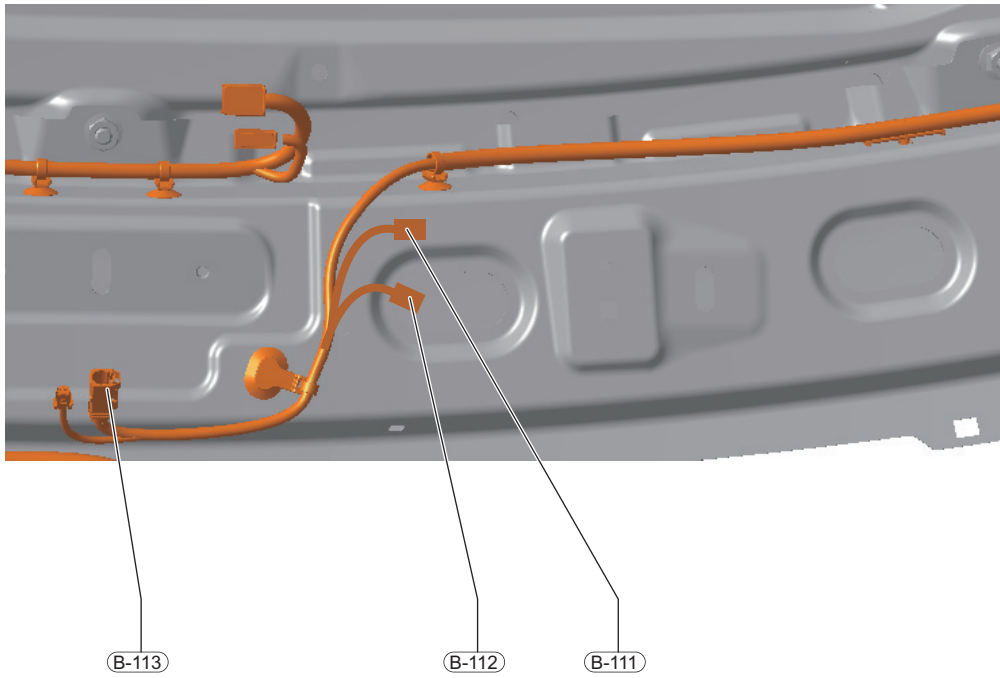
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|------------------------------|
| B-093 | W/4 | Brake Switch |
| B-094 | B/6 | Electronic Accelerator Pedal |
| B-095 | B/5 | PTC |
| GB-096 | B/1 | G505 |
| B-097 | W/40 | Door Module A |
| B-098 | W/20 | Door Module B |

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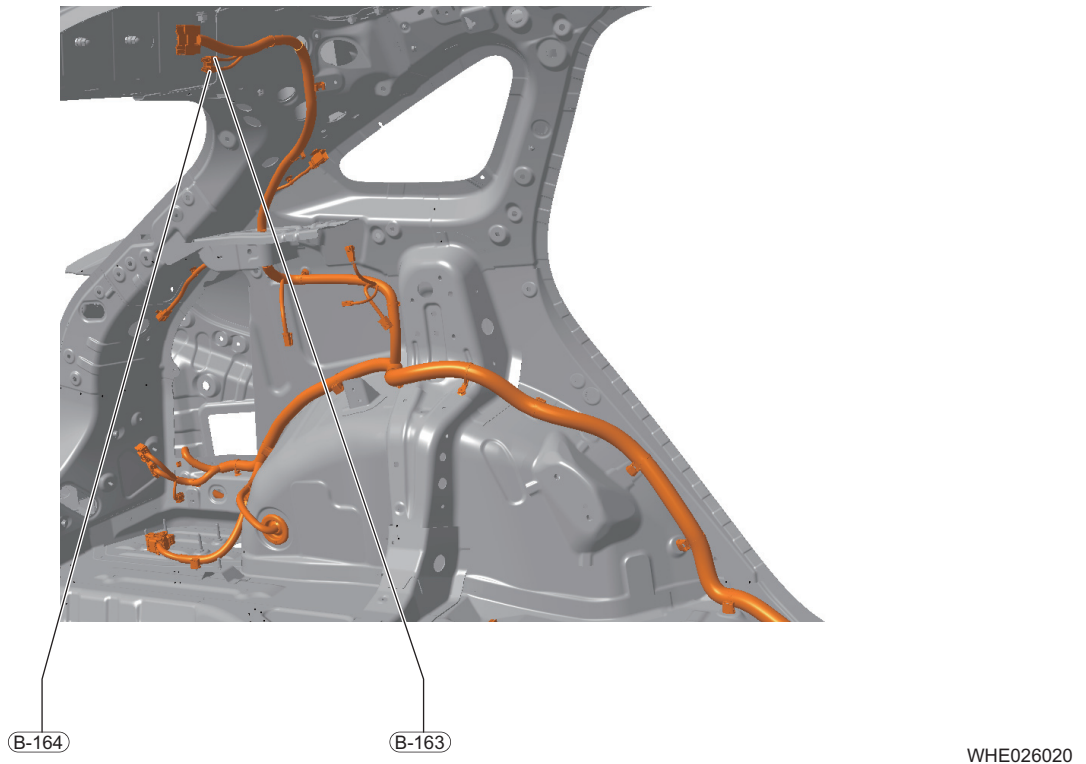
WHE026018

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-099 | W/6 | Front Passenger Foot Support |
| B-103 | B/1 | Right Surround View Camera H-002 |
| B-104 | B/1 | CVBOX-DMS to Instrument Panel I-049 |
| B-105 | B/28 | Instrument Panel Wire Harness Interface - R I-048 |

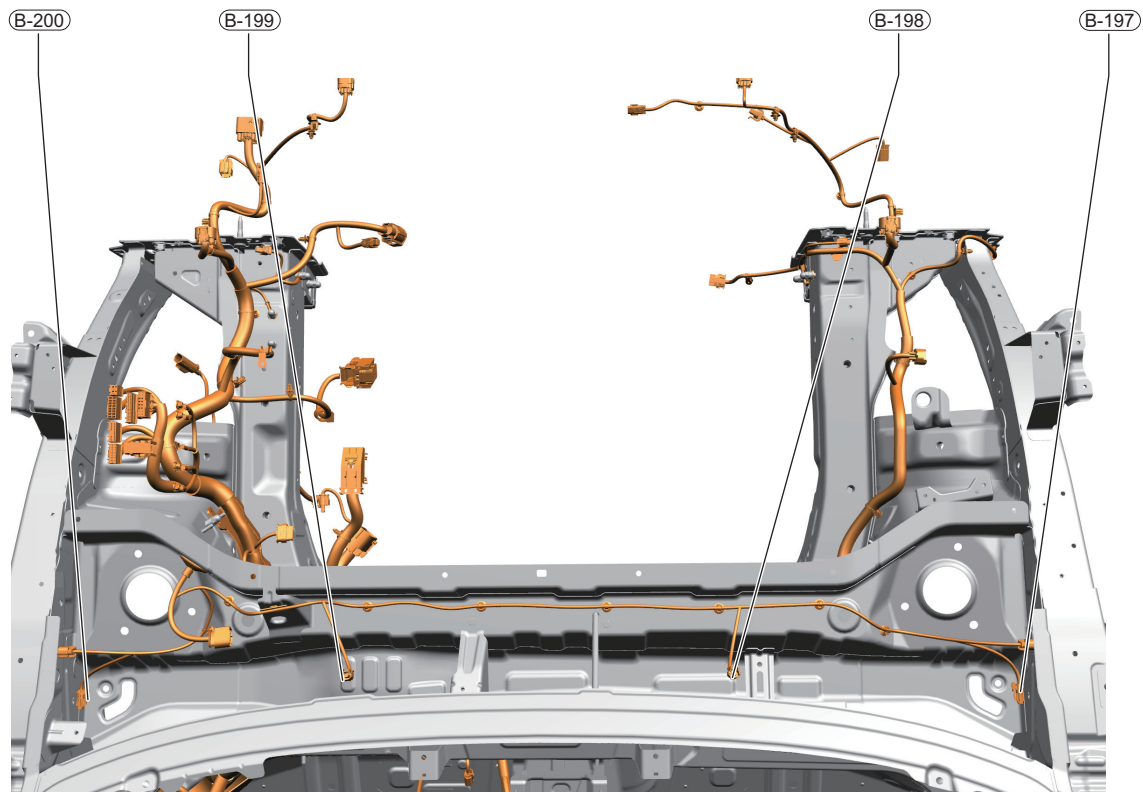


WHE026019

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------|
| B-111 | B/4 | ETC |
| B-112 | B/1 | Radio Antenna |
| B-113 | B/1 | CVBOX-OMS |



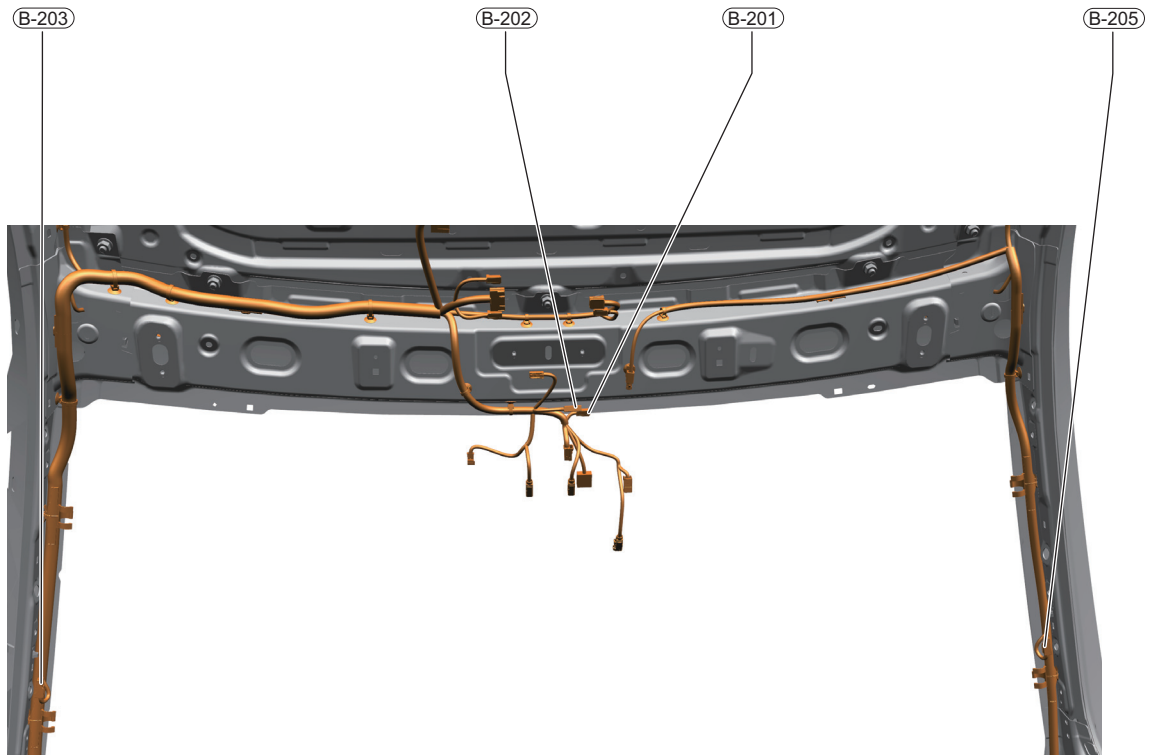
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-163 | B/1 | Radio Antenna |
| B-164 | B/1 | Rear Surround View Camera/Reversing View Camera T-002 |



WHE026021

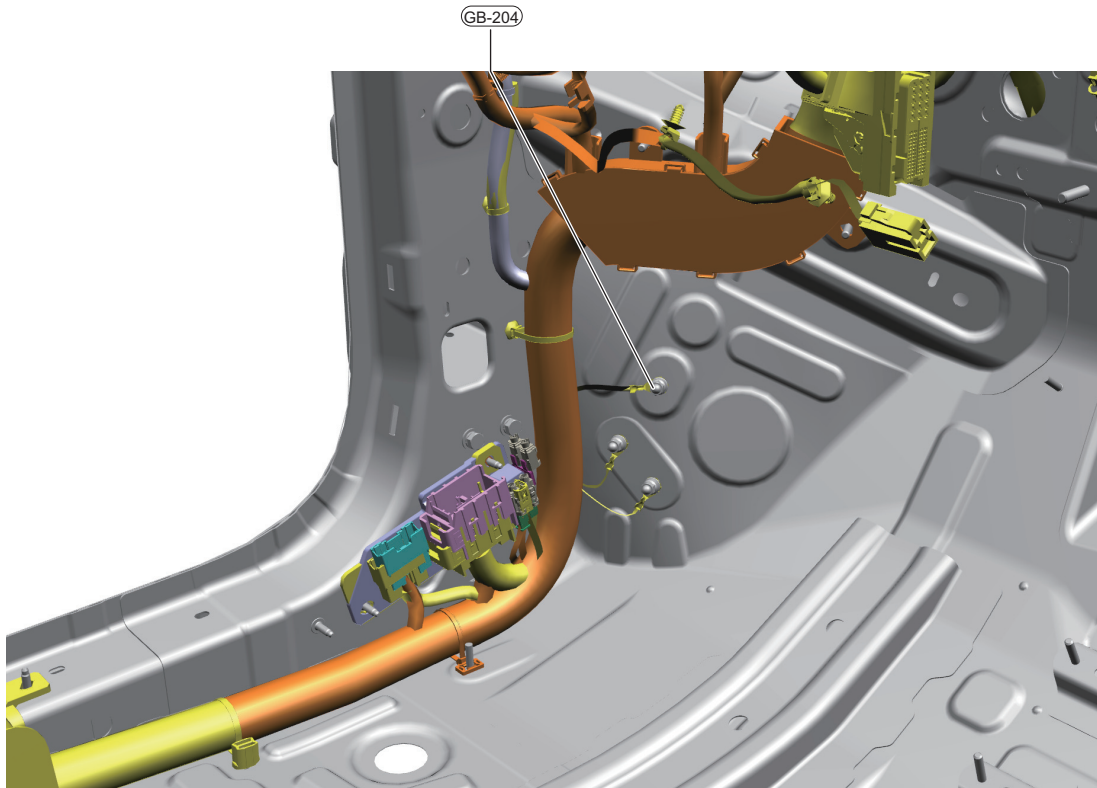
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| B-197 | B/1 | Front Right Windshield Heating Power Supply |
| B-198 | B/2 | Right Washer Nozzle Heating |
| B-199 | B/2 | Left Washer Nozzle Heating |
| B-200 | B/1 | Front Left Windshield Heating Power Supply |

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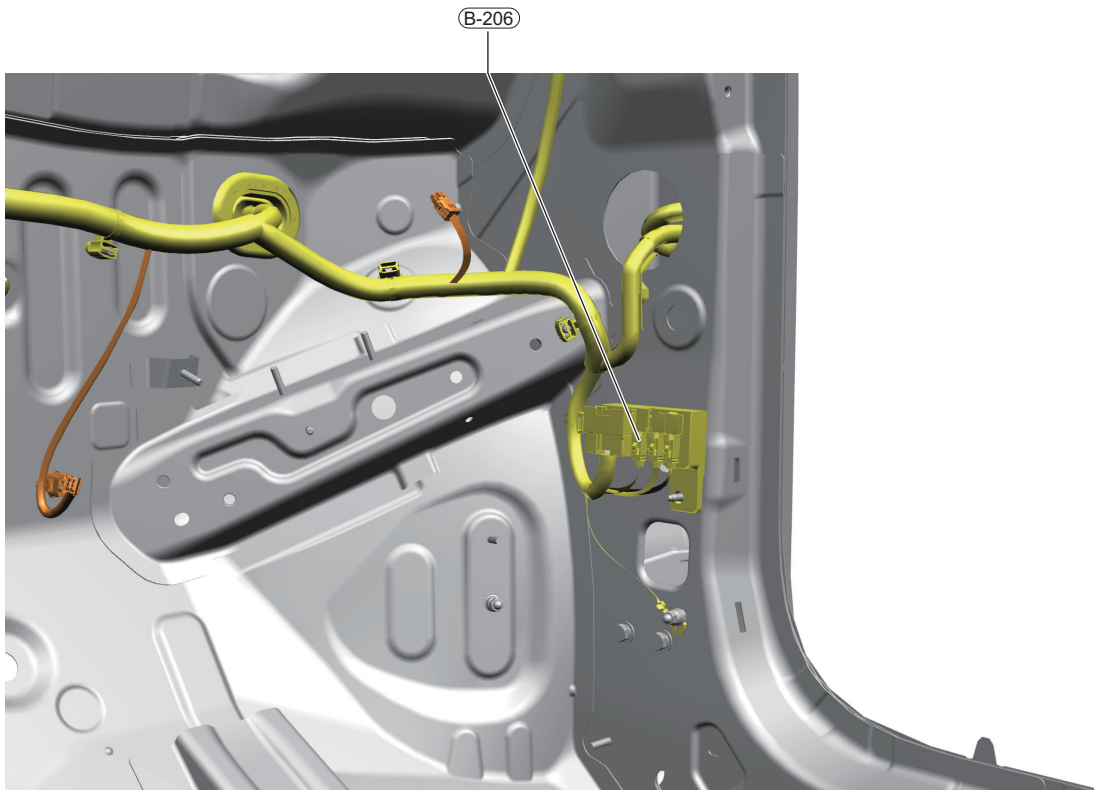
WHE026022

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---------------------------------------|
| B-201 | B/2 | Microphone 3 |
| B-202 | B/1 | DAB Ground Wire |
| B-203 | B/1 | Front Left Windshield Heating Ground |
| B-205 | B/1 | Front Right Windshield Heating Ground |



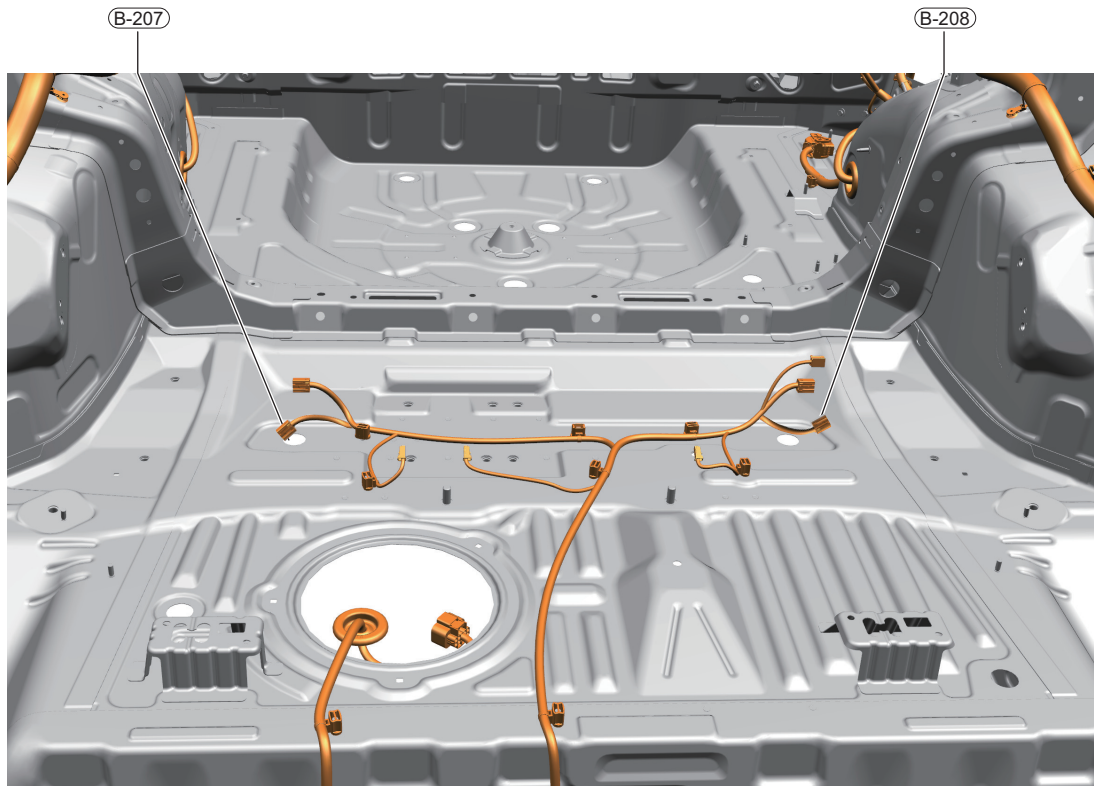
WHE026023

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------|
| GB-204 | B/1 | G611 G612 |



WHE026024

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------|
| B-206 | B/1 | DAB Antenna |

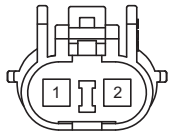


WHE026025

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--------------------------------------|
| B-207 | B/16 | Right Seat Heating 2 (International) |
| B-208 | B/16 | Left Seat heating 2 (International) |

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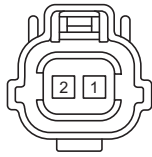
Interior Wire Harness Connector List



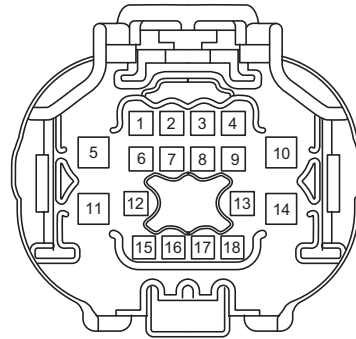
B-001
B
Engine Compartment
Cover Lock



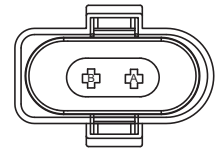
B-002
B
Signal Light RH



B-003
B
High Pitched Horn



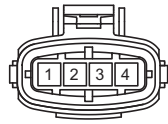
B-004
B
Headlight RH



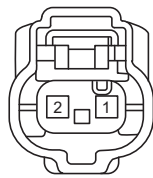
B-005
B
Washing Fluid Level Sensor



B-006
B
Double Water Outlet
Washer Pump



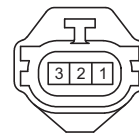
B-007
B
Boost Pressure Sensor



B-008
B
Collision Sensor FR



GB-009
B
G101



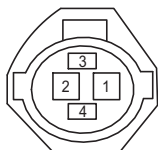
B-010
B
Pressure Sensor



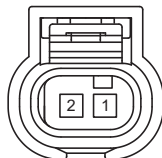
B-015
B
Front Surround
View Camera



GB-016
B
G602



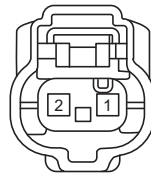
B-018
B
Continuously Variable
Cooling Fan



B-019
B
2nd Path Water
Temp Sensor



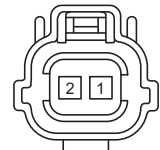
GB-020
B
G102



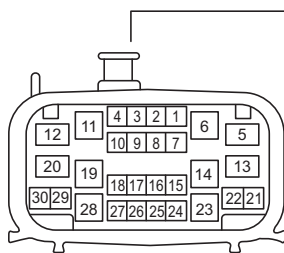
B-021
B
Collision Sensor FL



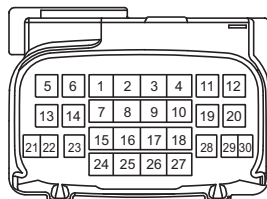
B-022
B
Signal Light LH



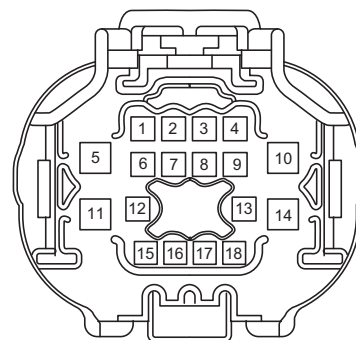
B-023
B
Low Pitched Horn



B-024
B
Front Bumper Wire
Harness Interface



Q-001
B
Front Bumper to Interior

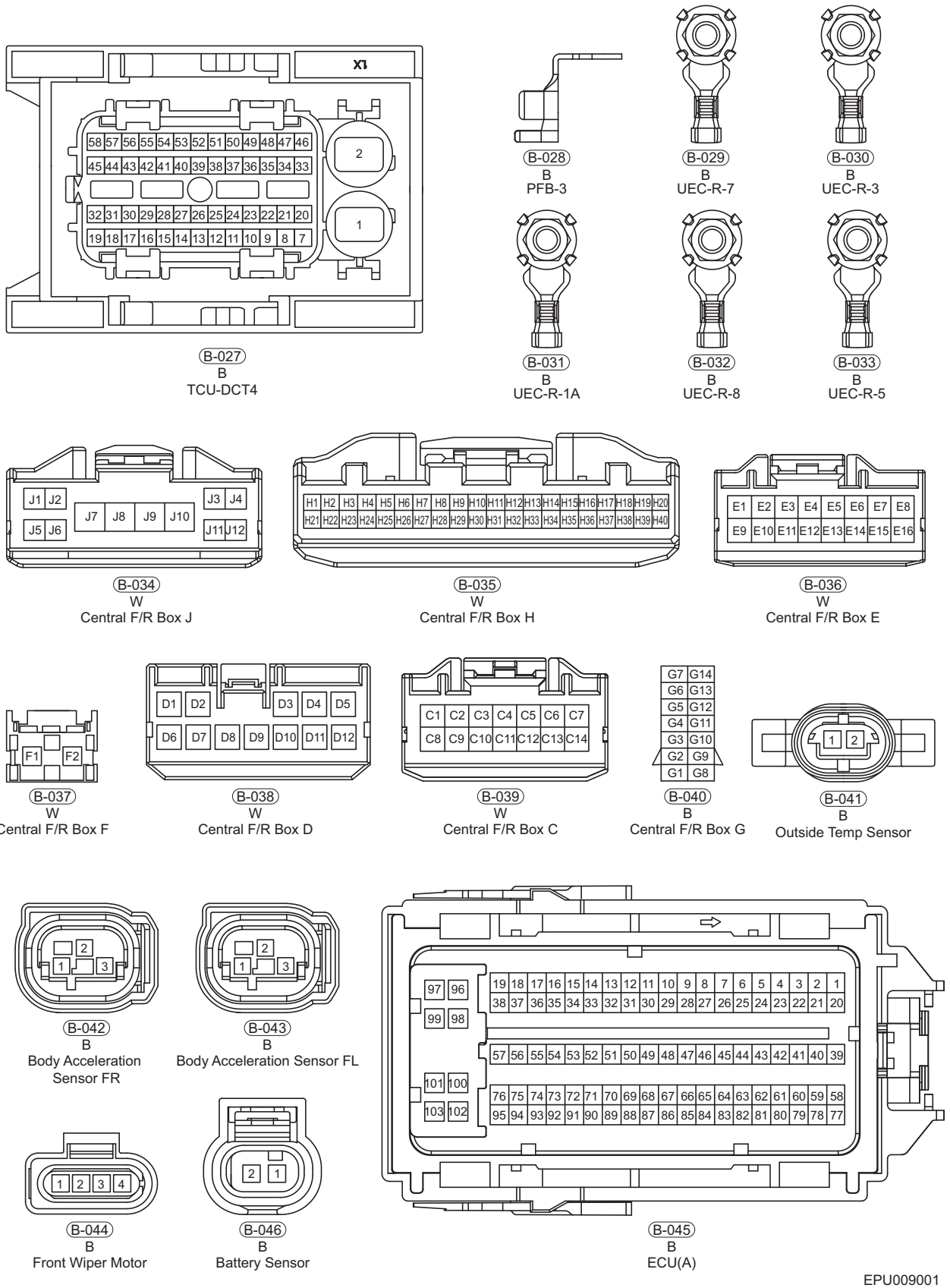


B-025
B
Headlight LH

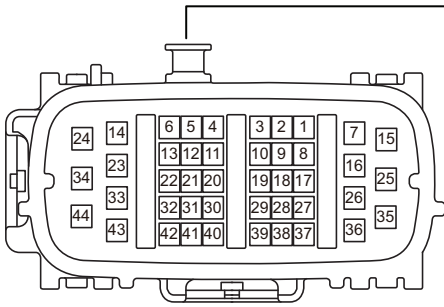


B-026
B
Electronic Vacuum Pump

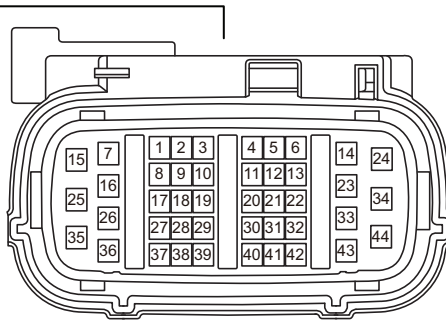
EPU008001



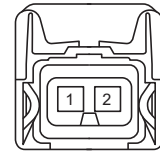
EPU009001



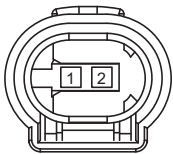
(B-047)
B Interior Floor Wire Harness to Engine Wire Harness



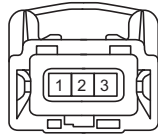
(E-019)
B Engine Wire Harness to Interior Floor Wire Harness Interface



(B-048)
B Brake Fluid Level Sensor



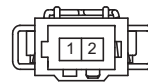
(B-049)
B Brake Fluid Level Sensor (ONEBOX)



(B-050)
B Brake Vacuum Sensor



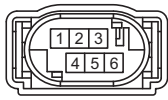
(B-051)
B Low Pressure Oil Passage Pressure Sensor



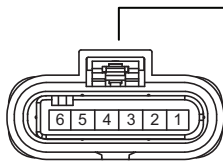
(B-052)
B Anti-theft Horn



(B-053)
B Wheel Speed Sensor FR



(B-054)
B Wheel Acceleration Sensor & Shock Absorber Valve FR



(B-055)
B To Electronic Power Steering Wire Harness



(B-301)
B To Interior



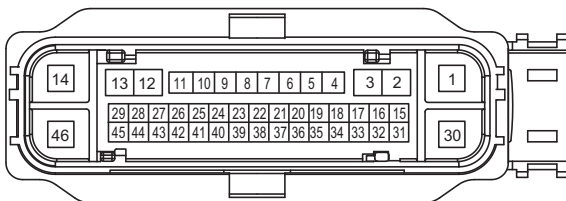
(GB-056)
B G603



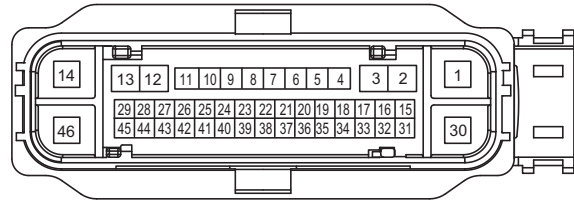
(GB-059)
B G604



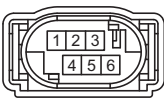
(B-060)
B Wheel Speed Sensor FL



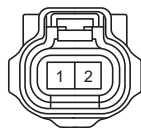
(B-057)
B ONEBOX Electric Wired Braking System



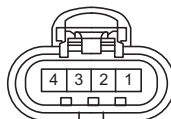
(B-058)
B Body Electronic Stability System Module - ESP & EPB



(B-061)
B Wheel Acceleration Sensor & Shock Absorber Valve FL



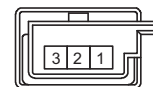
(B-062)
B GPF Front Temp Sensor



(B-063)
B GPF Dual-mode Differential Pressure Sensor



(B-064)
B Stereo Camera FL

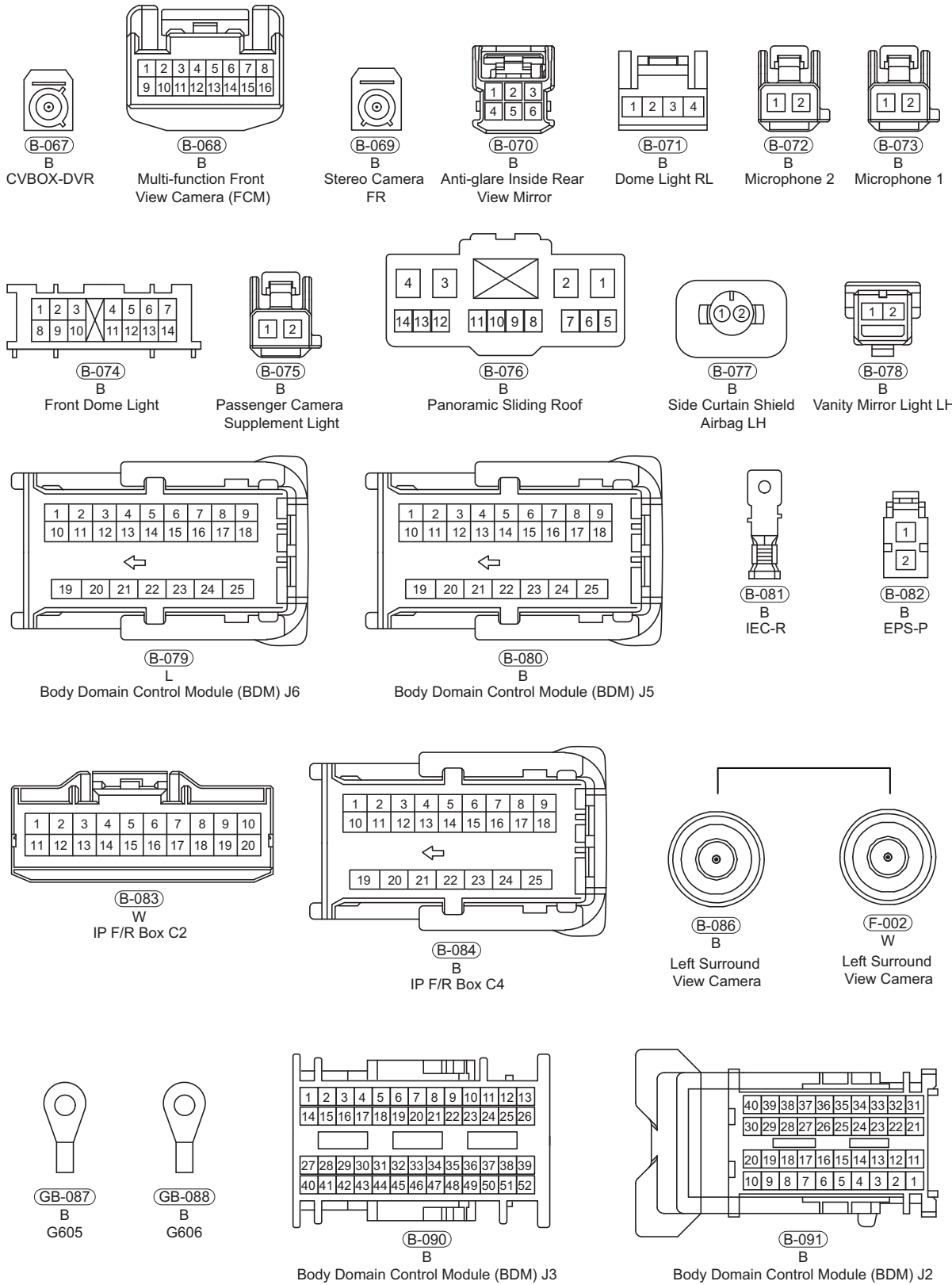


(B-065)
B Sunlight Rain Humidity Sensor

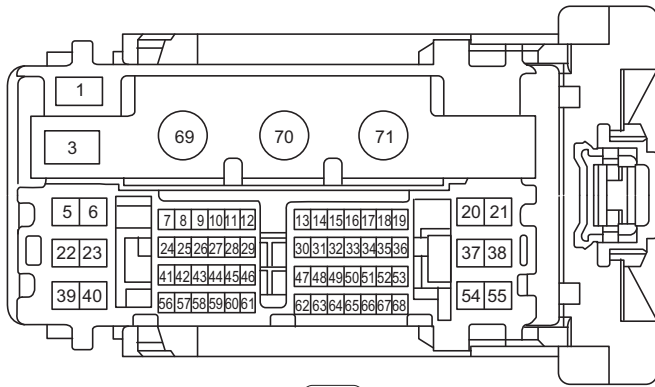


(B-066)
W Driving Recorder

EPU010001

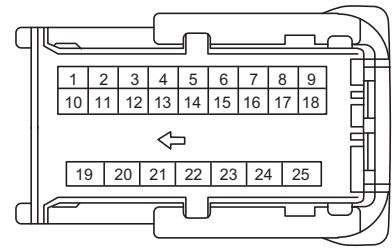


EPU011001



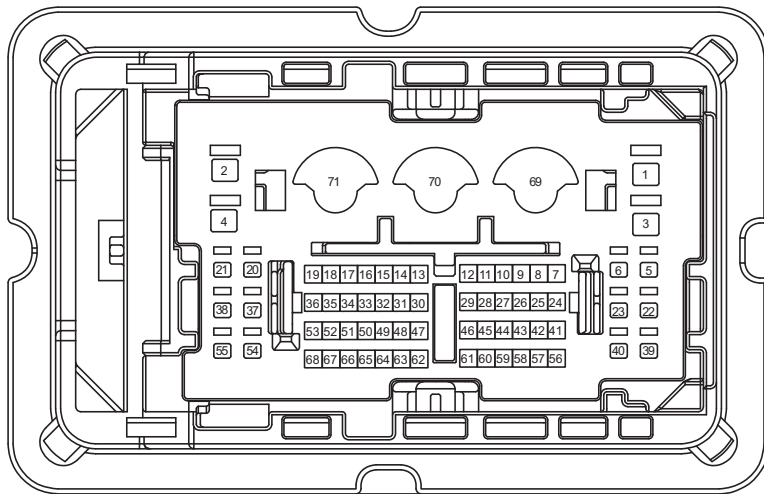
(B-085)
W

Door FL Wire Harness Interface



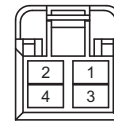
(B-092)
B

Body Domain Control Module (BDM) J1



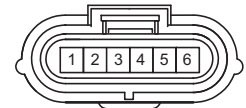
(F-001)
W

Door FL to Body



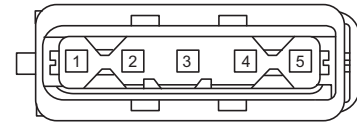
(B-093)
W

Brake SW



(B-094)
B

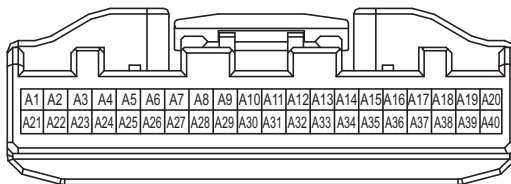
Electronic Accelerator Pedal



(B-095)
B
PTC

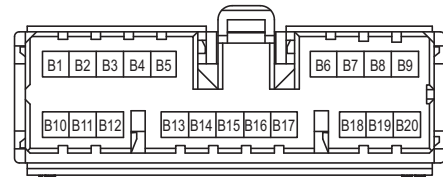


(GB-096)
B
G505



(B-097)
W

Door Module A



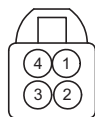
(B-098)
W

Door Module B



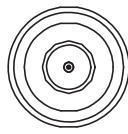
(B-099)
W

Front Passenger Foot Rest



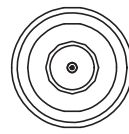
(B-100)
W

CVBOX Four-in-one Camera



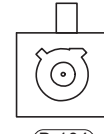
(B-103)
B

Right Surround View Camera



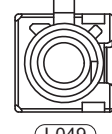
(H-002)
W

Right Surround View Camera



(B-104)
B

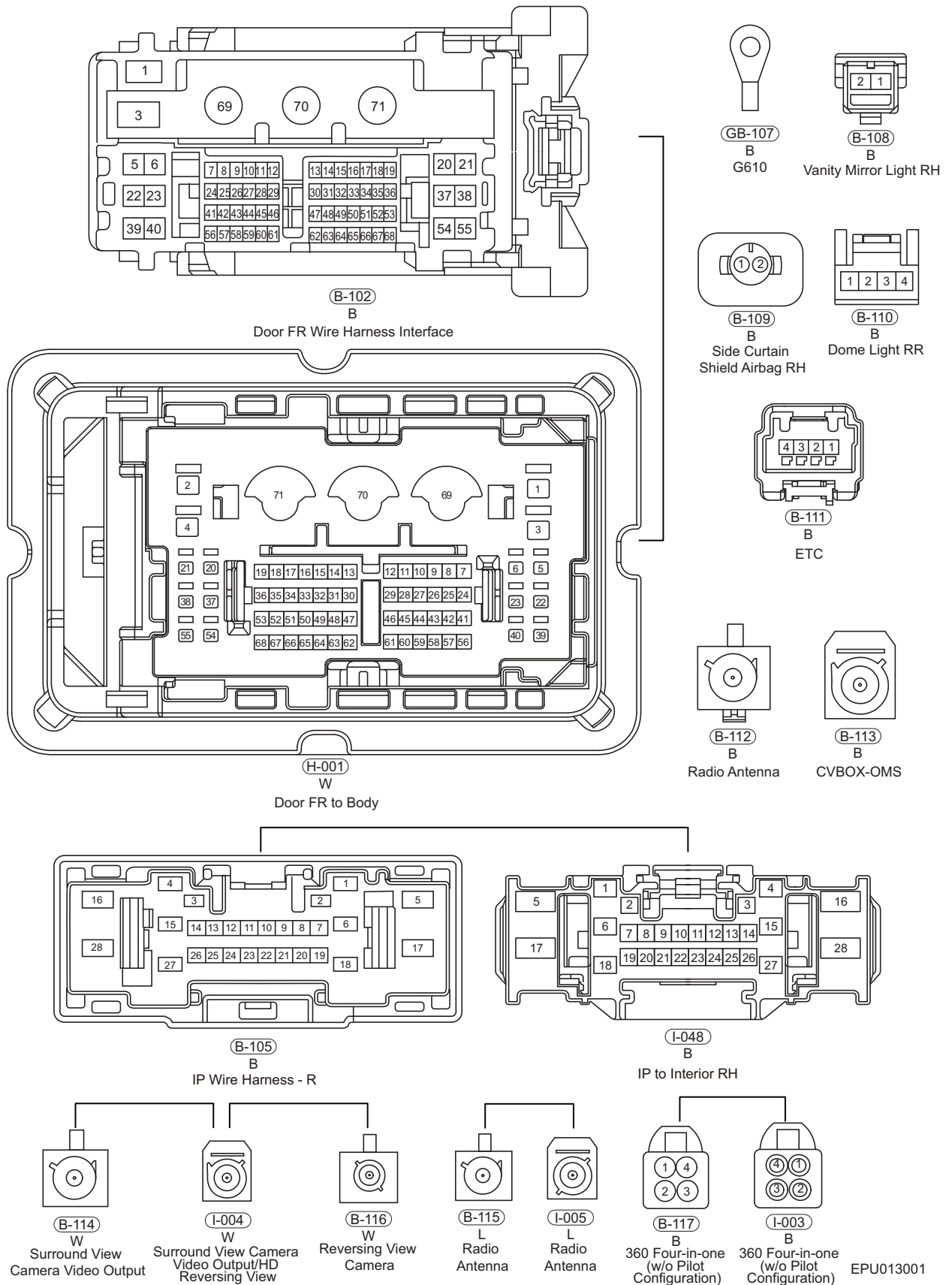
CVBOX-DMS to IP

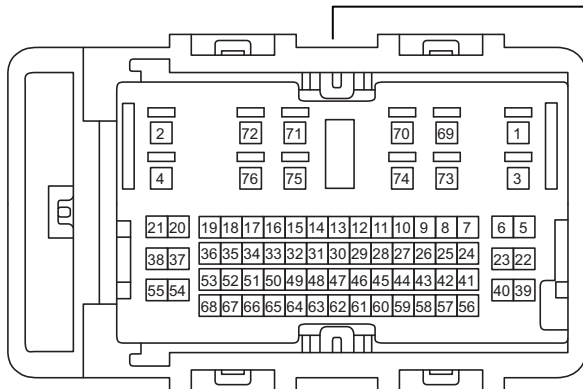


(I-049)
B

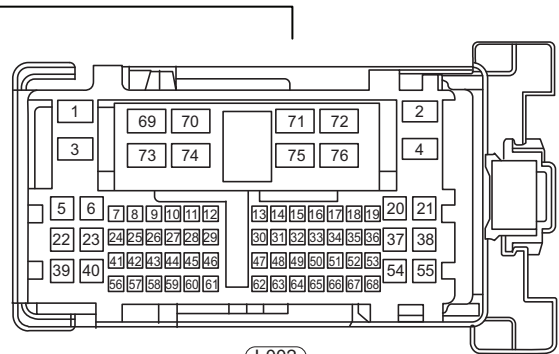
Driver Camera - CVBOX to Interior

EPU012001

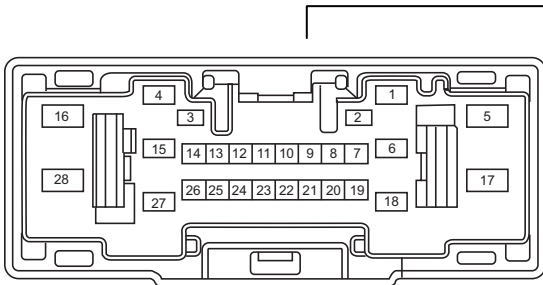




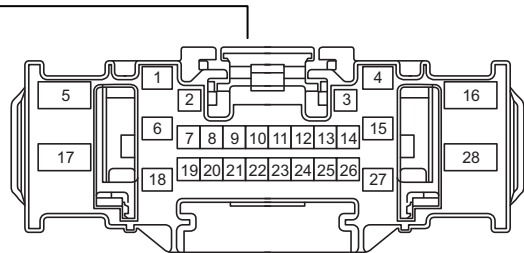
(B-118)
W
IP Wire Harness - L2



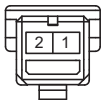
(I-002)
W
IP to Interior LH 2



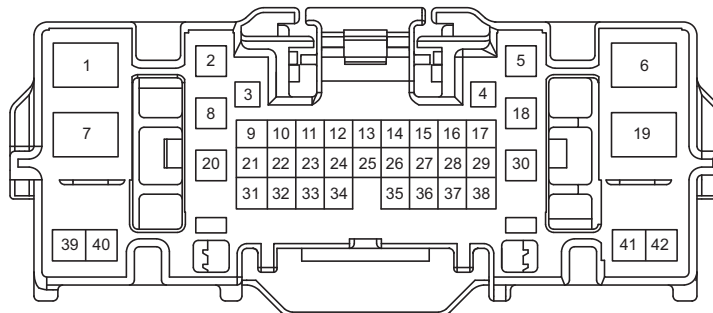
(B-119)
W
IP Wire Harness - L1



(I-001)
W
IP to Interior LH 1



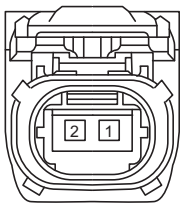
(B-120)
W
Door Scuff Plate Light FL



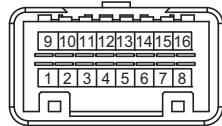
(B-121)
W
Driver Seat



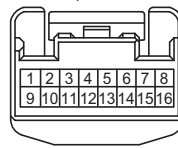
(B-122)
Y
Driver Seat Side Airbag



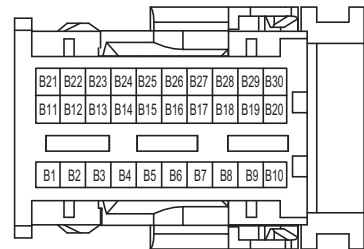
(B-123)
Y
Far Side Airbag



(B-124)
W
IP Wire Harness Interface - M

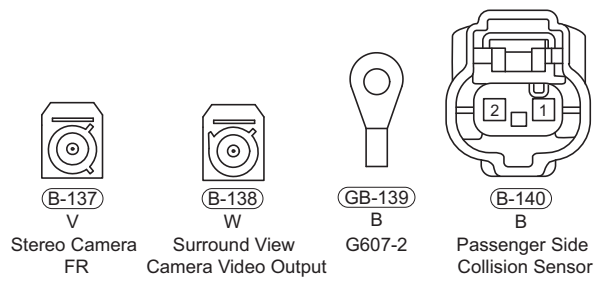
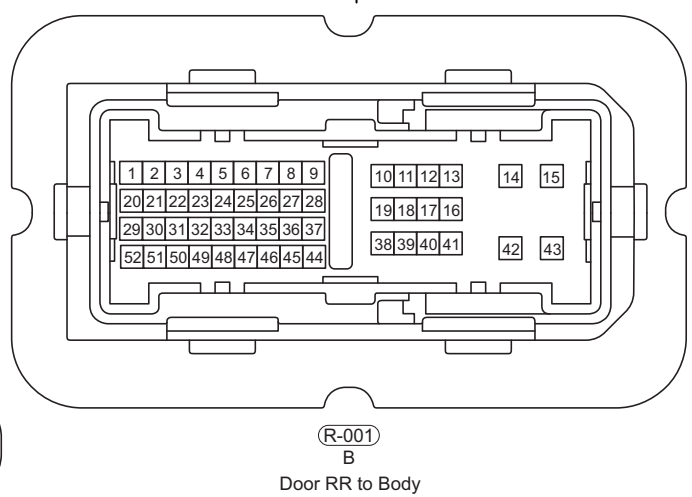
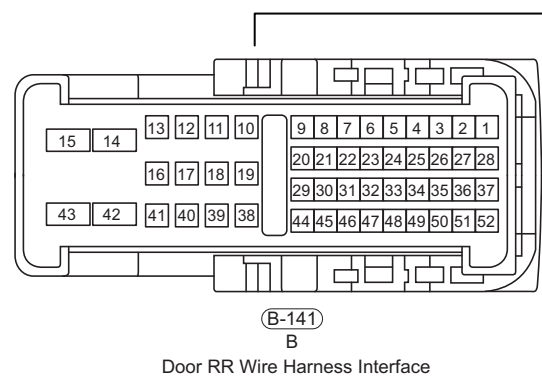
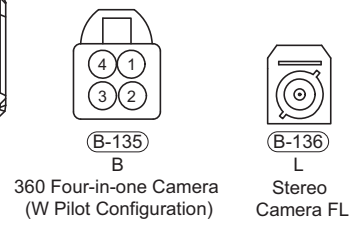
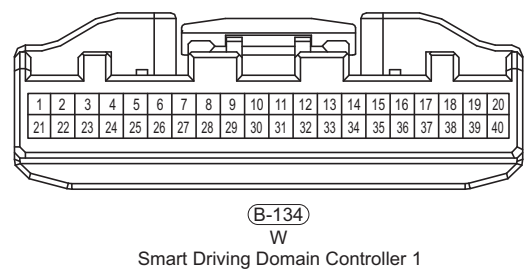
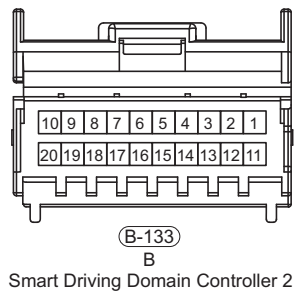
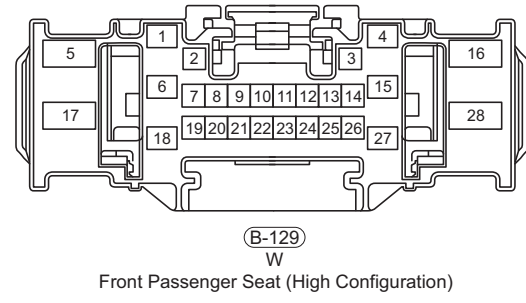
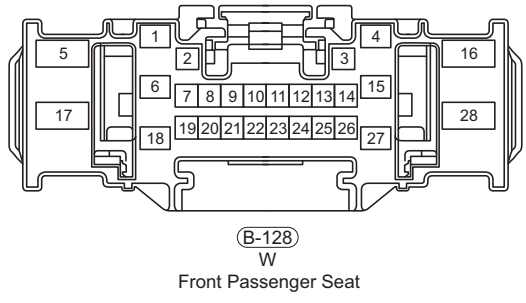
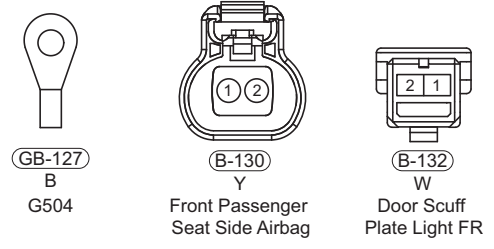
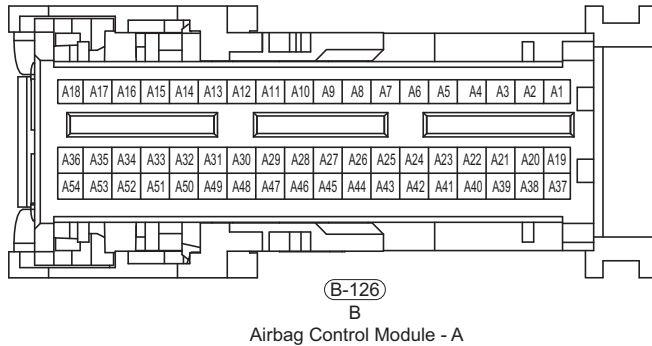


(I-035)
W
IP to Interior Middle

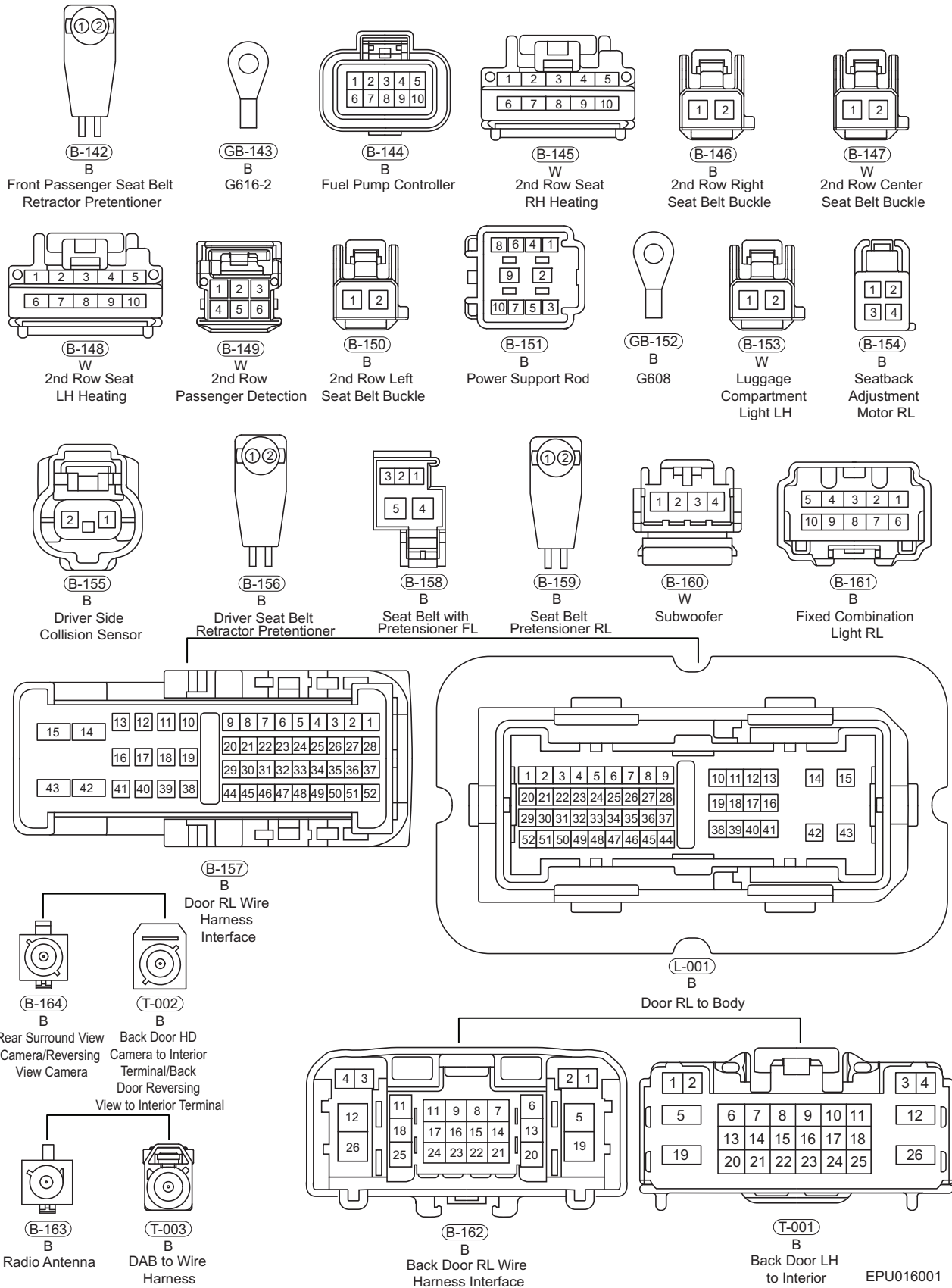


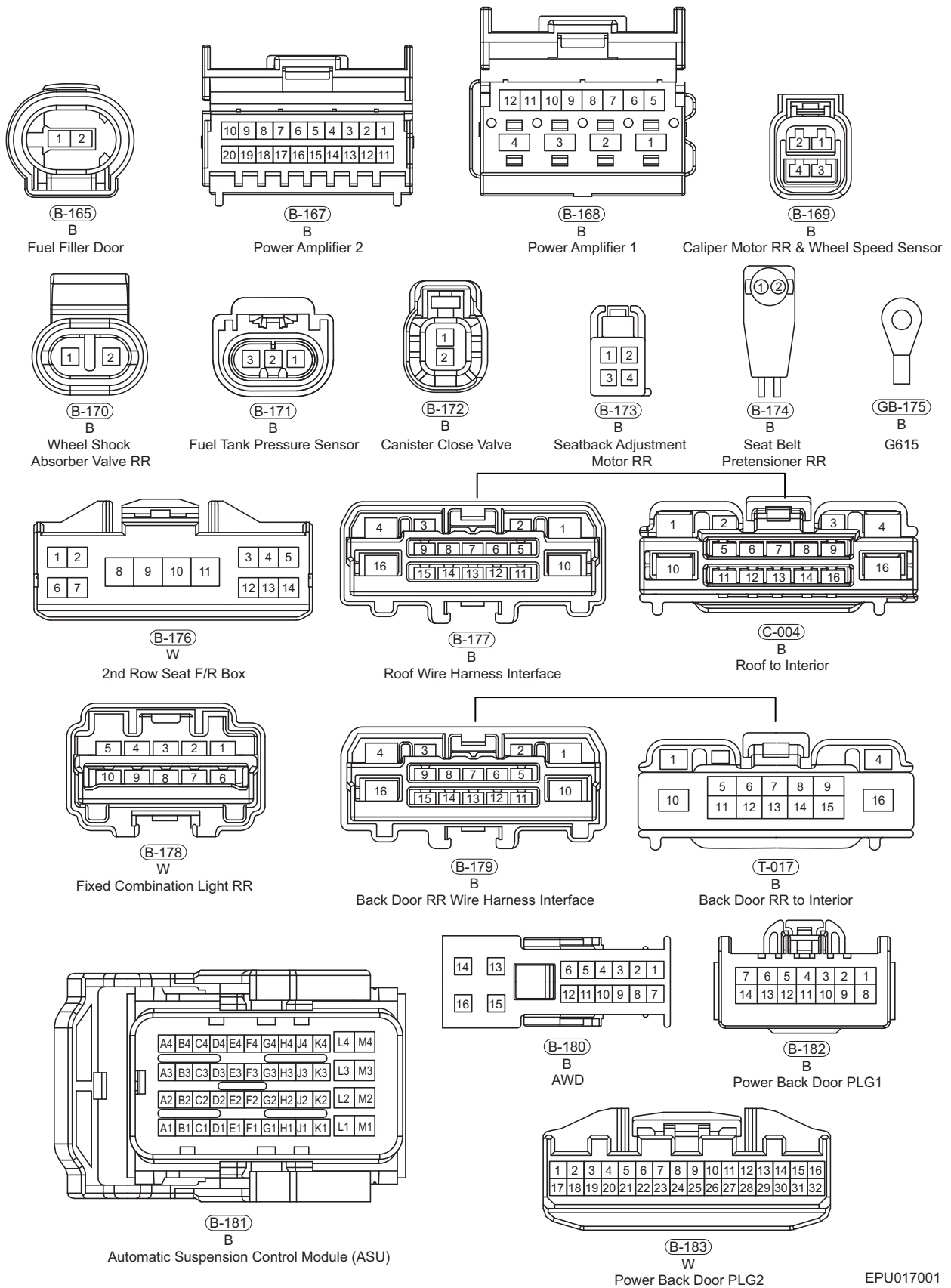
(B-125)
B
Airbag Control Module - B

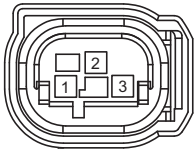
EPU014001



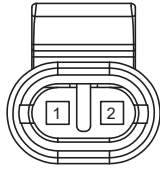
EPU015001







(B-184)
B
Body Acceleration
Sensor RL



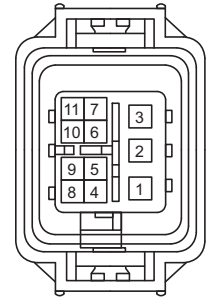
(B-185)
B
Wheel Shock Absorber
Valve RL



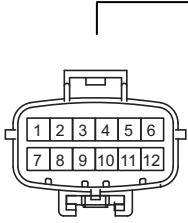
(B-186)
B
Caliper Motor RL &
Wheel Speed Sensor



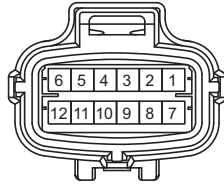
(GB-187)
B
G614



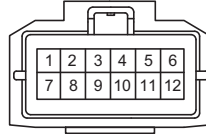
(B-188)
B
4WD Motor



(B-189)
B
Rear Bumper Wire
Harness Interface



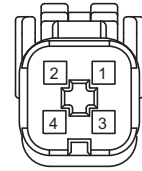
(J-001)
B
Rear Bumper to Interior



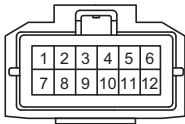
(B-190)
B
Main Blind Spot
Detection Radar



(B-191)
B
Rear Bumper
PEPS Antenna



(B-192)
B
Bluetooth Module - Interior



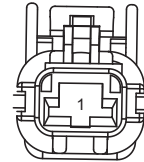
(B-193)
B
Auxiliary Blind Spot
Detection Radar



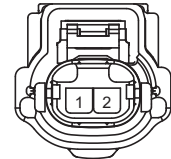
(GB-194)
B
G618



(B-196)
B
SOS SW

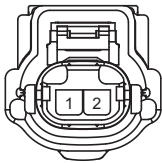


(B-197)
B
Windshield FR
Heating Power Supply

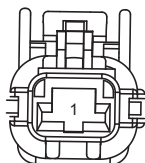


(B-198)
B
Washer Nozzle RH Heating

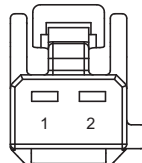
10



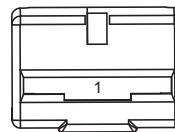
(B-199)
B
Washer Nozzle
LH Heating



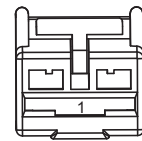
(B-200)
B
Windshield FL Heating
Power Supply



(B-201)
B
Microphone 3



(B-202)
B
DAB Ground Wire

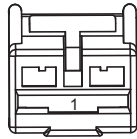


(B-203)
B
Windshield Heating
Ground FL

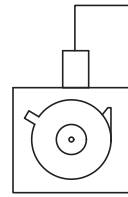
EPU017002



(GB-204)
B
G611 G612



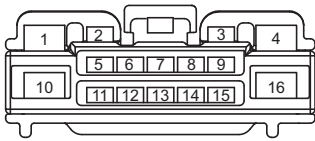
(B-205)
B
Windshield Heating Ground FR



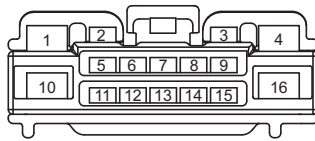
(B-206)
B
DAB Antenna



(I-085)
B
DAB Antenna

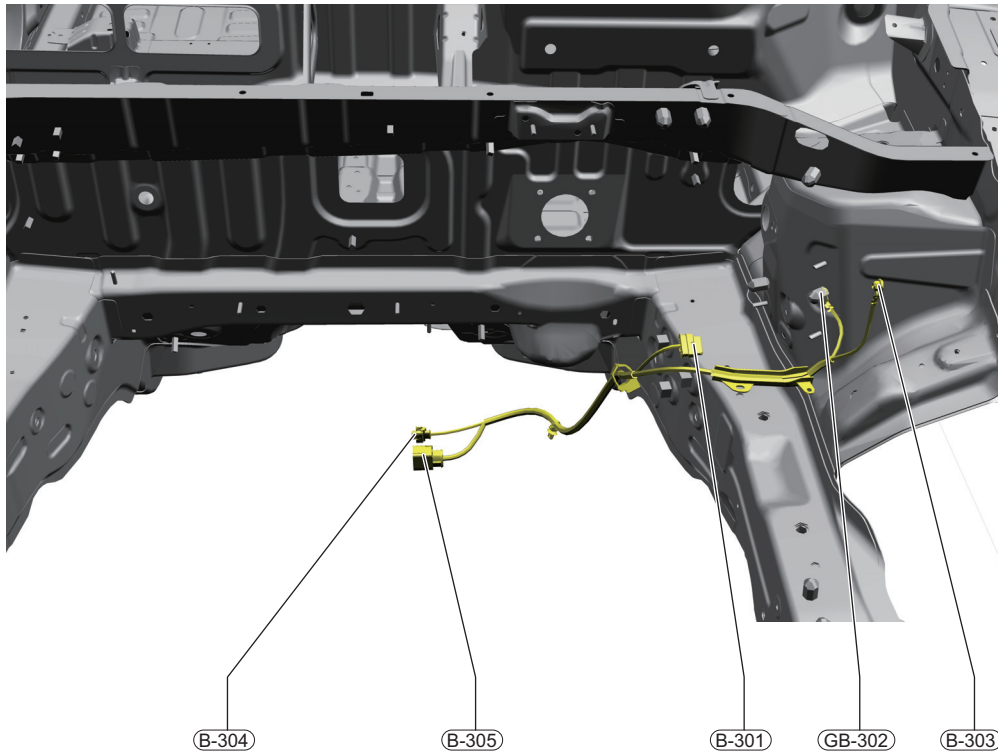


(B-207)
B
Seat RH Heating 2 (International)



(B-208)
B
Seat LH Heating 2 (International)

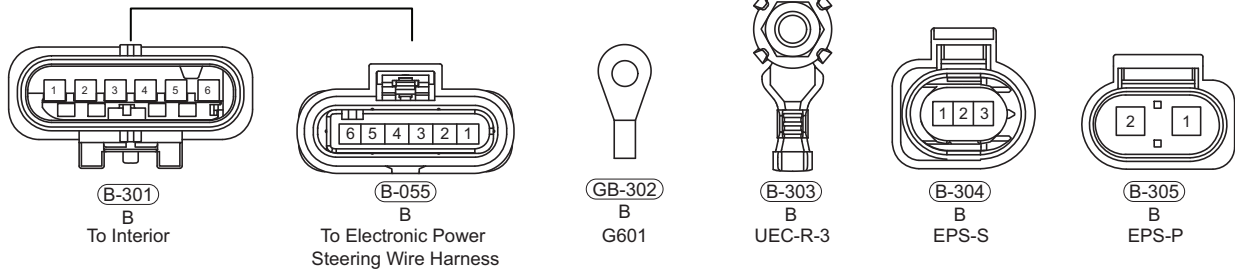
Electronic Power Steering Wire Harness



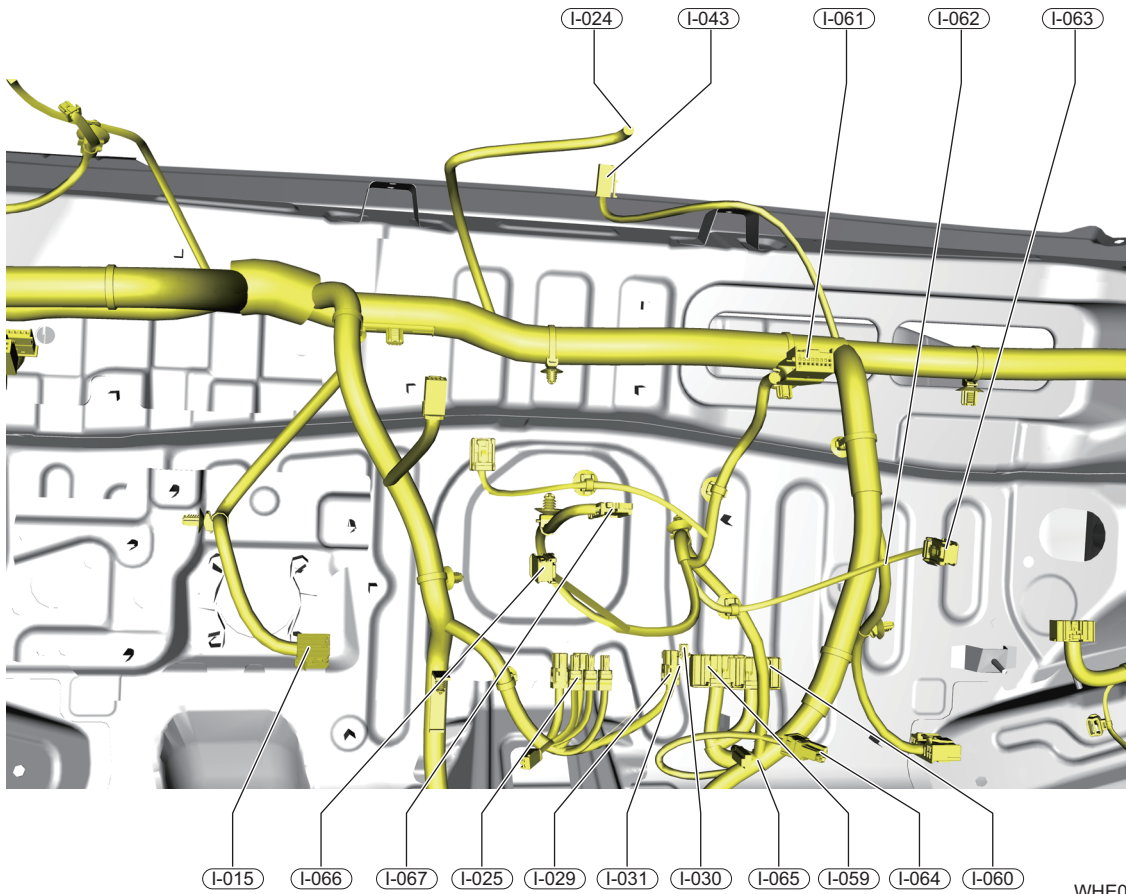
WHE026014

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------|
| B-301 | B/6 | To Interior |
| GB-302 | B/1 | G601 |
| B-303 | B/1 | UEC-R-3 |
| B-304 | B/3 | EPS-S |
| B-305 | B/2 | EPS-P |

Electronic Power Steering Wire Harness Connector list

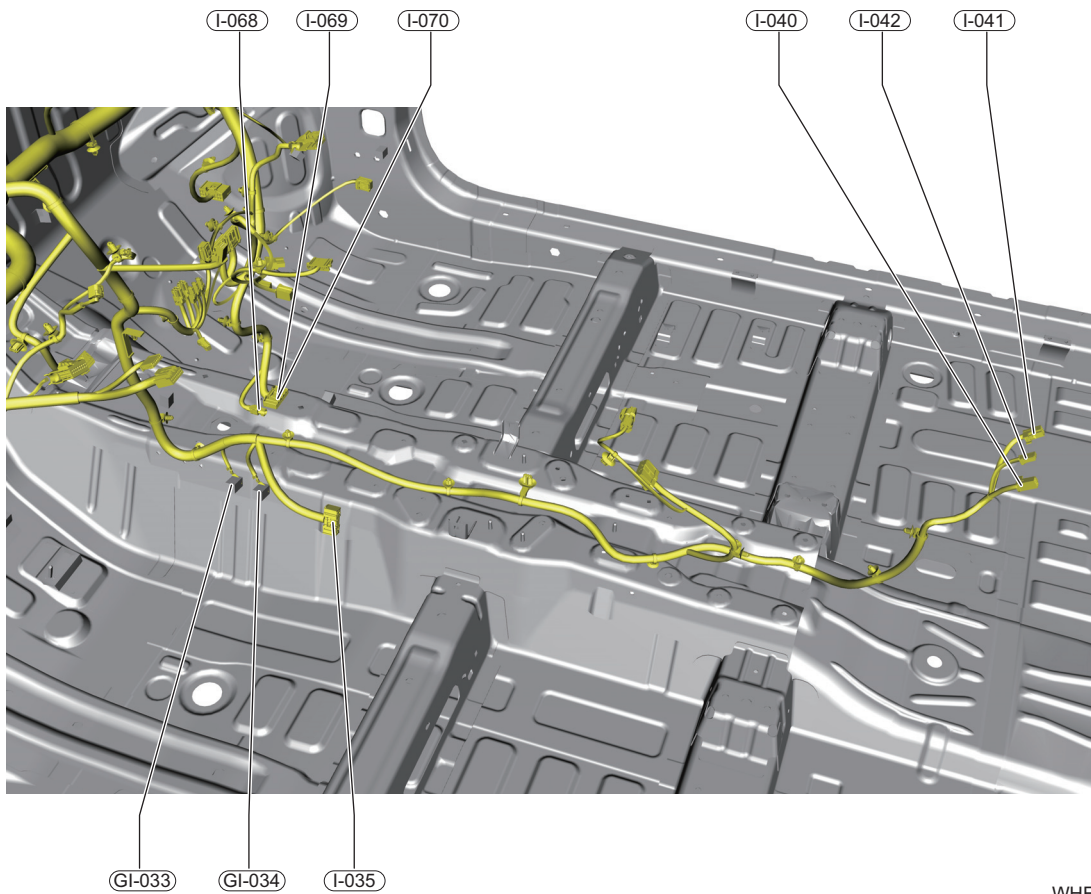


Instrument Panel Wire Harness



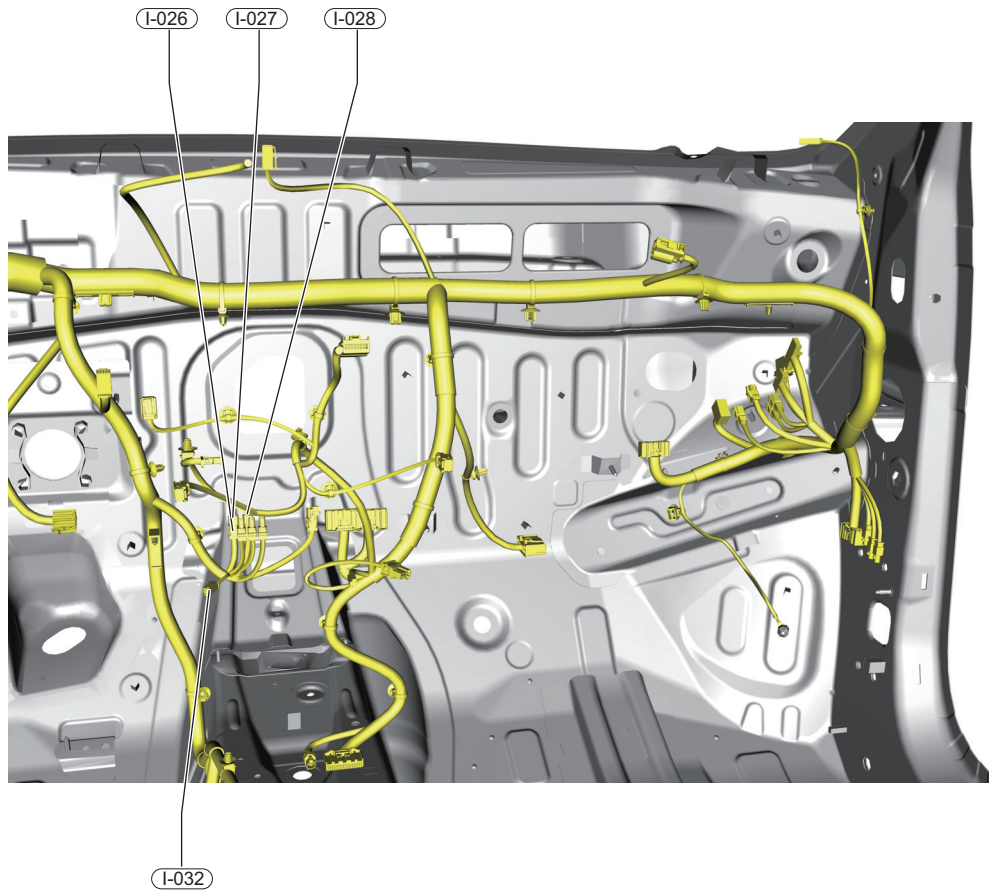
WHE027001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| I-015 | B/10 | EPS-S |
| I-024 | B/8 | Audio Display |
| I-025 | W/1 | Radio Antenna |
| I-029 | B/4 | 360 Four-in-one Camera (w/o Pilot Configuration) |
| I-030 | W/2 | Audio Head Unit - A2B Socket |
| I-031 | B/2 | Ethernet 1 |
| I-043 | B/2 | Midrange Speaker |
| I-059 | W/38 | Audio Head Unit - A |
| I-060 | W/35 | Audio Head Unit - B |
| I-061 | Y/16 | Auto A/C Panel |
| I-062 | W/6 | Outlet Ambient Light |
| I-063 | W/8 | ENGINE START STOP Switch |
| I-064 | B/2 | Auxiliary Fascia Console Backup Power Supply |
| I-065 | B/4 | Fragrance Generator |
| I-066 | W/6 | Instrument Panel Right Ambient Light |
| I-067 | W/8 | Mobile Phone Wireless Charging Module |



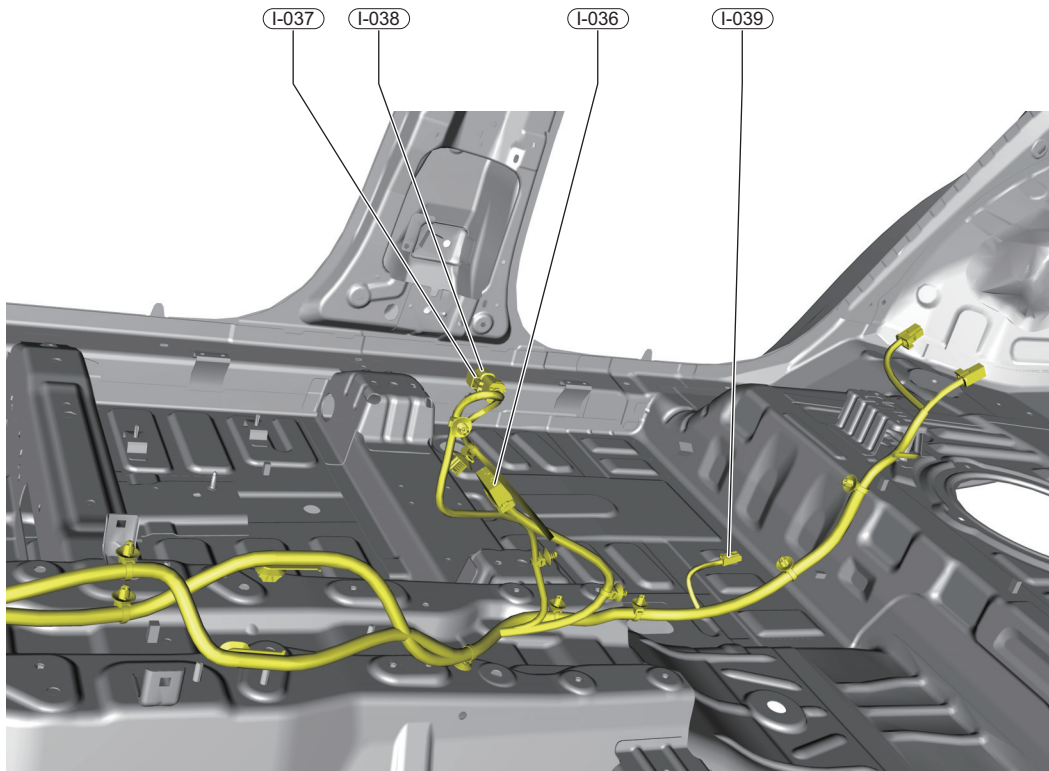
WHE028001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| GI-033 | B/1 | G502 |
| GI-034 | B/1 | G503 |
| I-035 | W/16 | Instrument Panel to Interior Middle |
| I-040 | B/6 | Rear Left Seat Heating Switch |
| I-041 | Y/6 | Rear Right Seat Heating Switch |
| I-042 | B/6 | 2nd Row A/C Panel |
| I-068 | B/2 | Ethernet 4 |
| I-069 | W/40 | Information Communication Module (TBOX-4G) |
| I-070 | W/32 | Information Communication Module (TBOX-5G) |



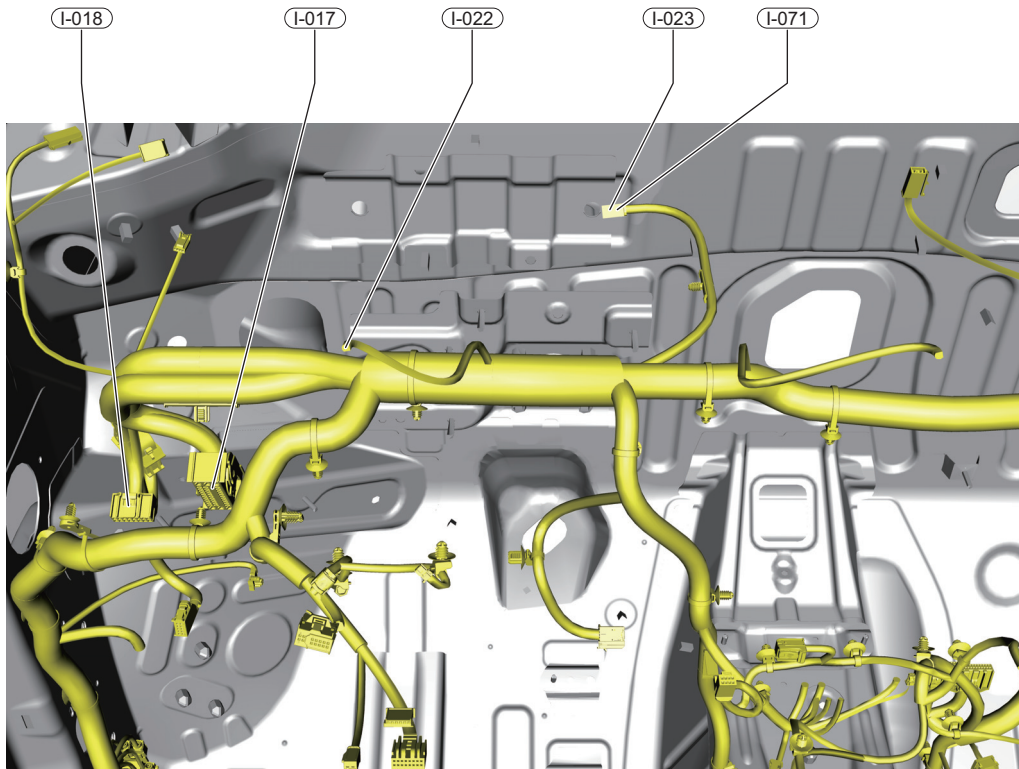
WHE029001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| I-026 | B/4 | Surround View Camera Video Output/HD Reversing View |
| I-027 | B/4 | Driver Camera - non CVBOX |
| I-028 | L/4 | CVBOX IVI Antenna - Audio Head Unit End |
| I-032 | W/2 | Front USB Charging Module |



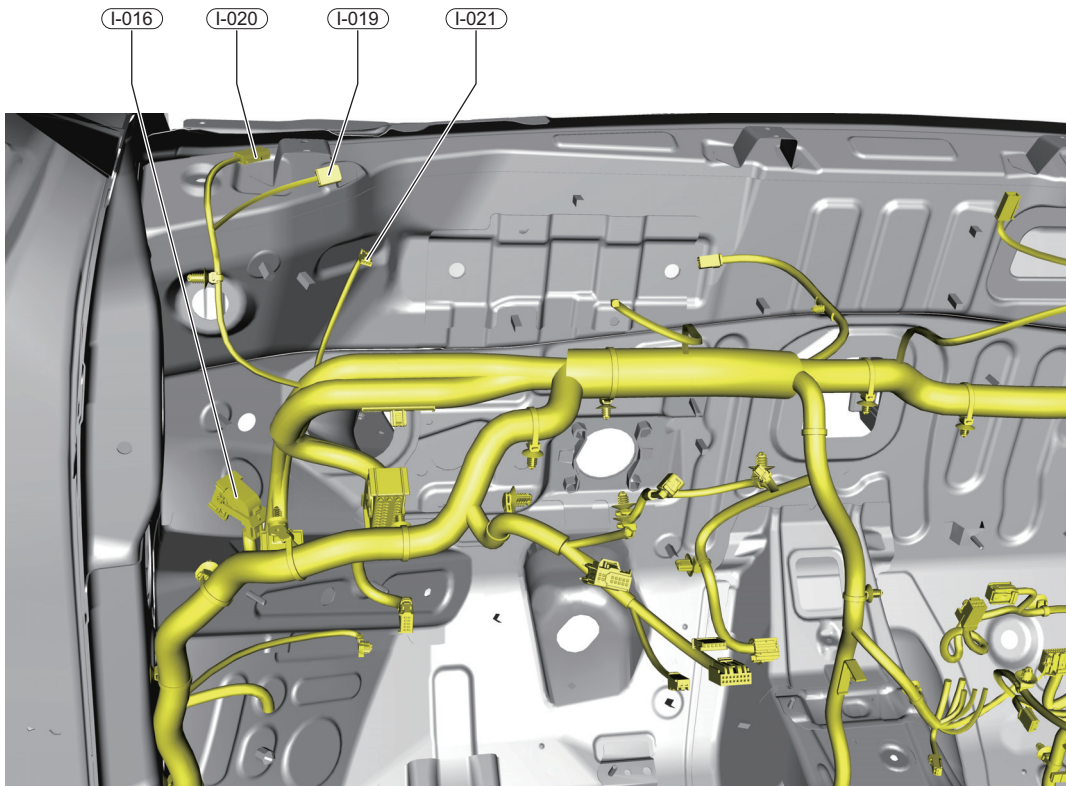
WHE030001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| I-036 | Br/5 | 2nd Row Blower |
| I-037 | B/2 | Instrument Panel Low Frequency Antenna 1 |
| I-038 | B/2 | Instrument Panel Low Frequency Antenna 2 |
| I-039 | W/2 | Rear USB Charging Module |



WHE031001

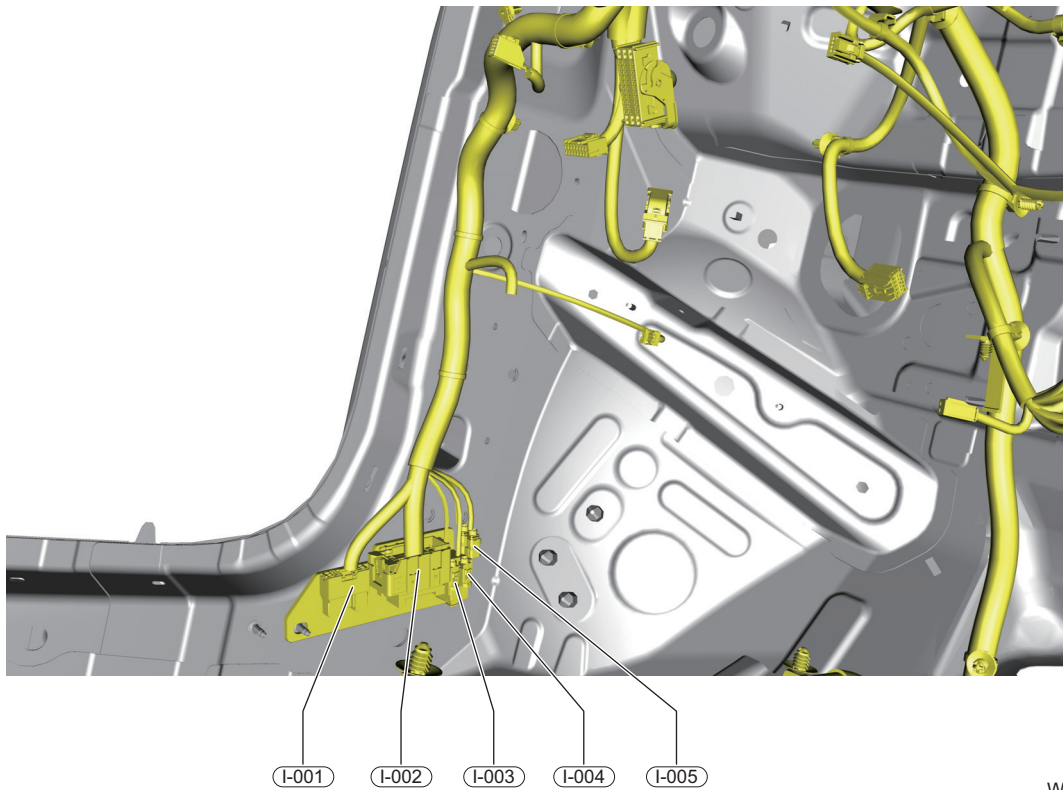
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| I-017 | B/39 | Instrument Panel Fuse and Relay Box C3 |
| I-018 | W/16 | Instrument Panel Fuse and Relay Box C1 |
| I-022 | Y/8 | Instrument Panel Display |
| I-023 | W/8 | Head Up Display AR-HUD |
| I-071 | B/8 | Head Up Display W-HUD |



WHE032001

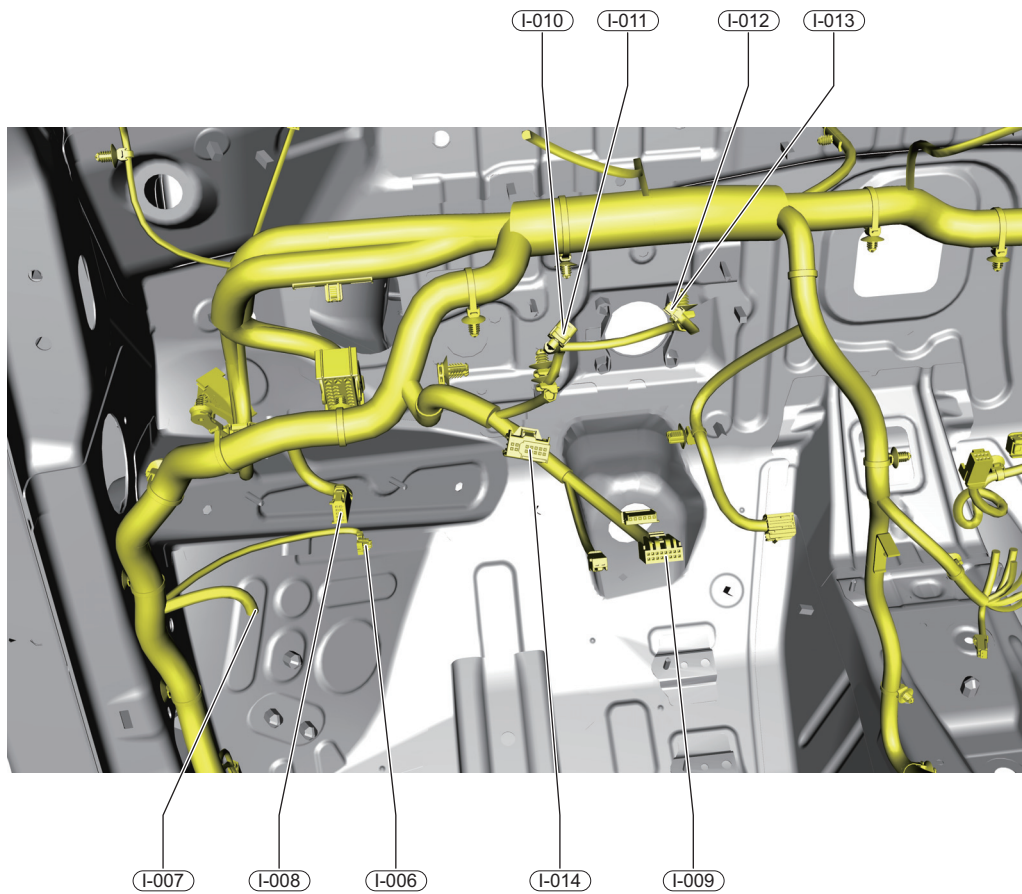
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|-------------------------------------|
| I-016 | L/52 | Body Domain Control Module (BDM) J4 |
| I-019 | W/6 | Instrument Panel Ambient Light |
| I-020 | B/2 | Front Left Door Tweeter |
| I-021 | B/4 | Left Negative Ion Generator |

10



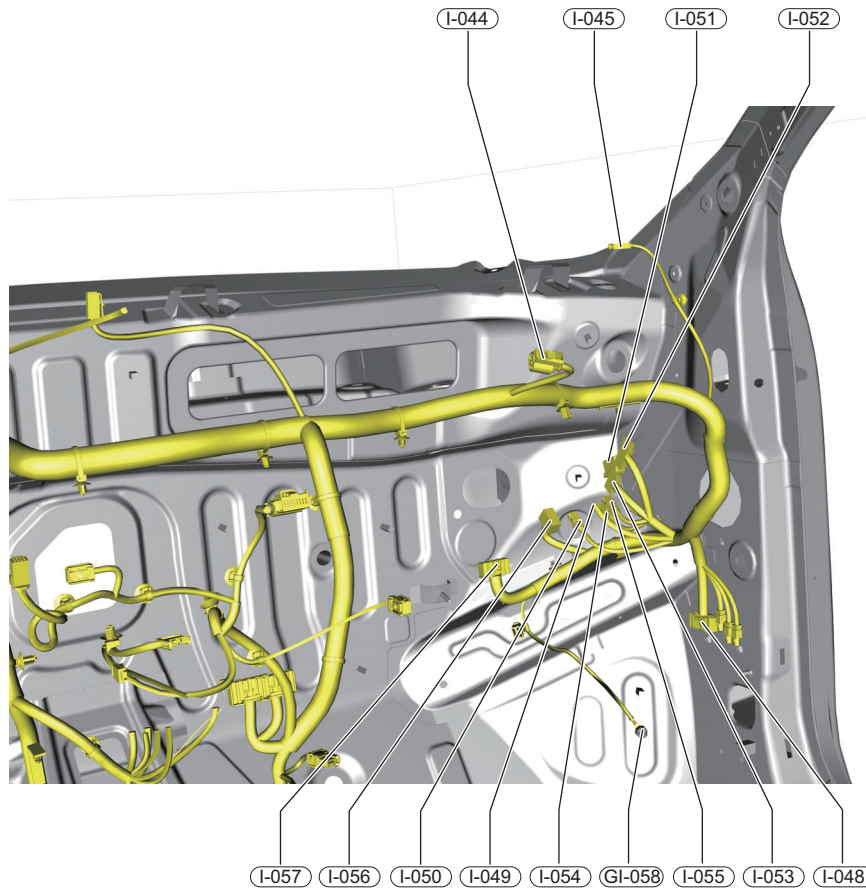
WHE033001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| I-001 | W/28 | Instrument Panel to Interior Left 1 |
| I-002 | W/76 | Instrument Panel to Interior Left 2 |
| I-003 | B/4 | 360 Four-in-one Camera (w/o Pilot Configuration) |
| I-004 | W/1 | Surround View Camera Video Output/HD Reversing View |
| I-005 | L/1 | Radio Antenna |



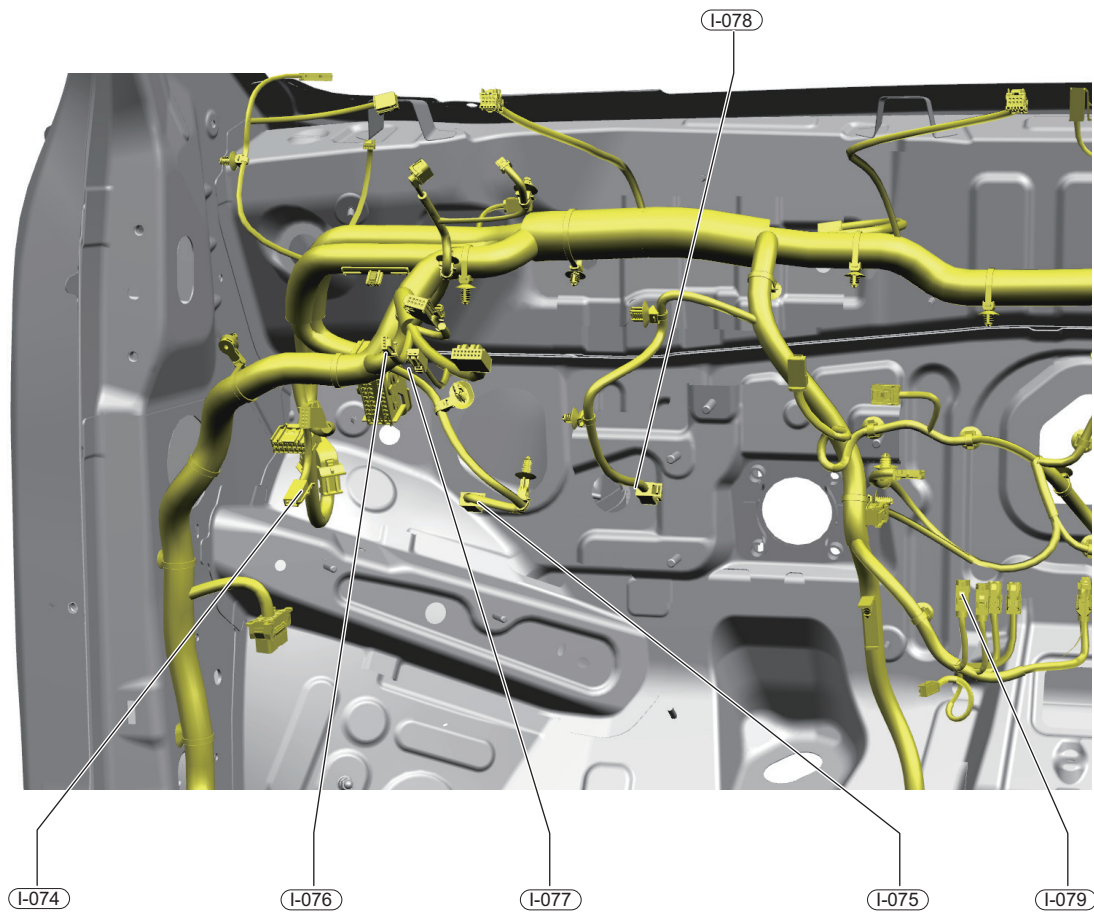
WHE034001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| I-006 | B/2 | Driver Knee Airbag |
| I-007 | W/16 | Driver Diagnostic Interface OBD |
| I-008 | B/10 | Light Switch |
| I-009 | W/16 | Spiral Cable |
| I-010 | B/1 | Driver Camera - non CVBOX |
| I-011 | B/1 | CVBOX-DMS |
| I-012 | W/2 | Driver Camera Power Supply - CVBOX |
| I-013 | W/2 | Driver Camera Supplement Light |
| I-014 | B/10 | Combination Switch Module (SCM) (Integrated Wiper, Column Shift Switch) |



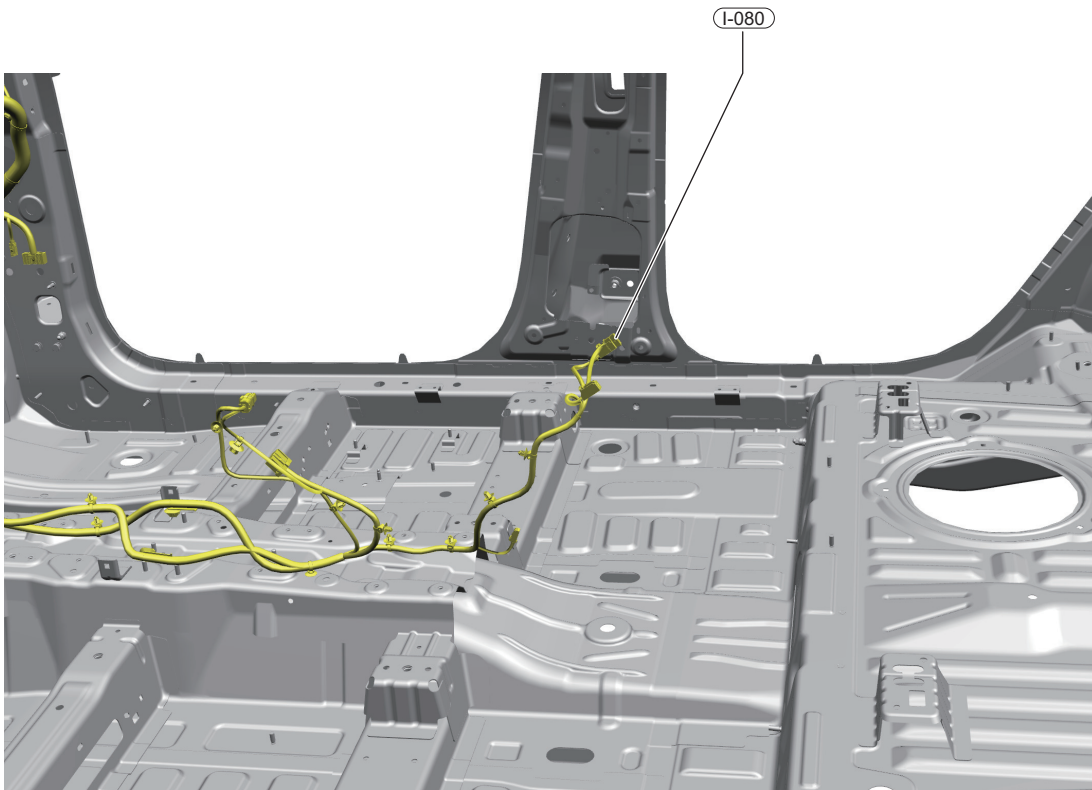
WHE035001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|------------------------------------|
| I-044 | Y/2 | Front Passenger Airbag |
| I-045 | B/2 | Front Right Door Tweeter |
| I-048 | B/28 | Instrument Panel to Interior Right |
| I-049 | B/1 | Driver Camera - CVBOX to Interior |
| I-050 | B/1 | CVBOX IVI Antenna - CVBOX End |
| I-051 | B/20 | Central Gateway |
| I-052 | B/40 | Ethernet Gateway Controller 1 |
| I-053 | B/24 | Ethernet Gateway Controller 2 |
| I-054 | W/2 | Ethernet 2 |
| I-055 | B/2 | Ethernet 3 |
| I-056 | B/20 | Vision Controller CVBOX |
| I-057 | W/28 | HVAC Assembly to A/C Wire Harness |
| GI-058 | B/1 | G501 |



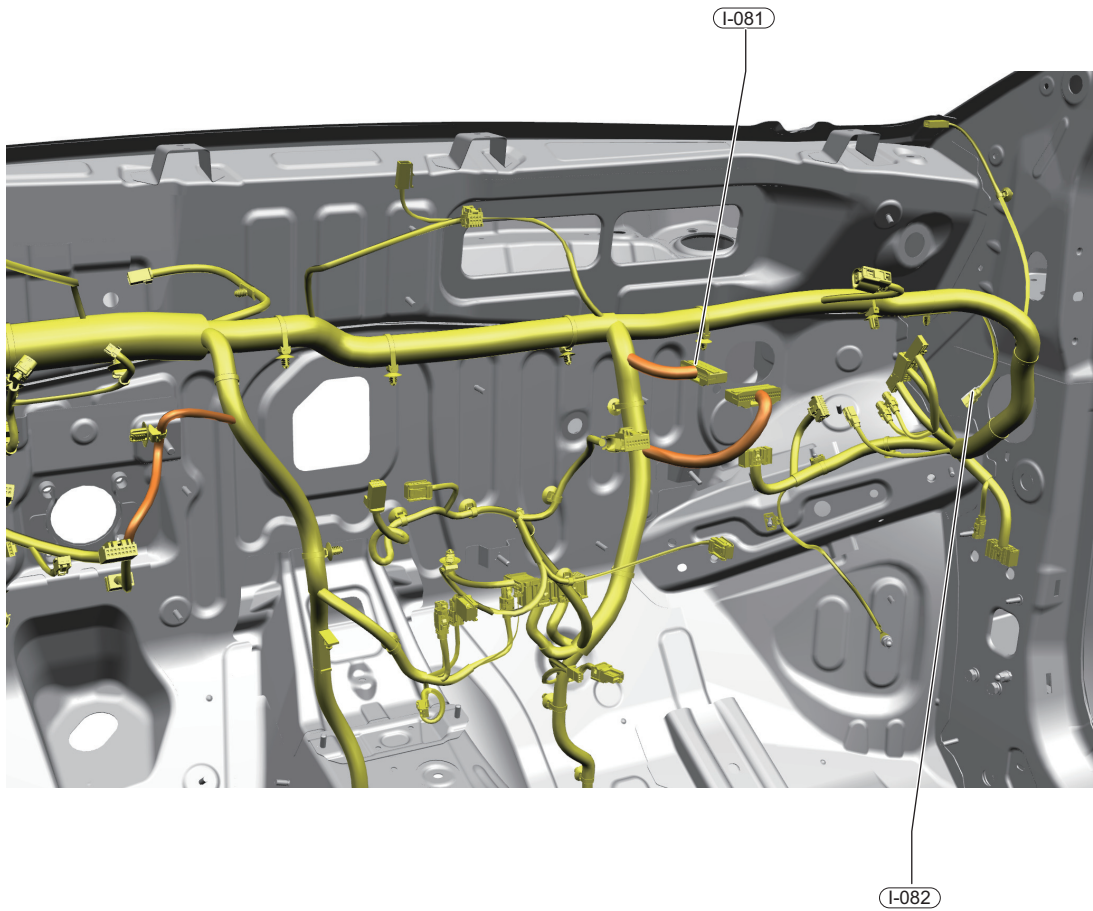
WHE035002

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|-------------------------------------|
| I-074 | B/2 | ERA/GLONS Midrange Speaker |
| I-075 | B/4 | ESSA Column Angle Adjustment Motor |
| I-076 | B/4 | Column Adjustment Switch |
| I-077 | B/2 | Steering Wheel Heating |
| I-078 | B/4 | ESSL Column Length Adjustment Motor |
| I-079 | B/1 | DAB Antenna |



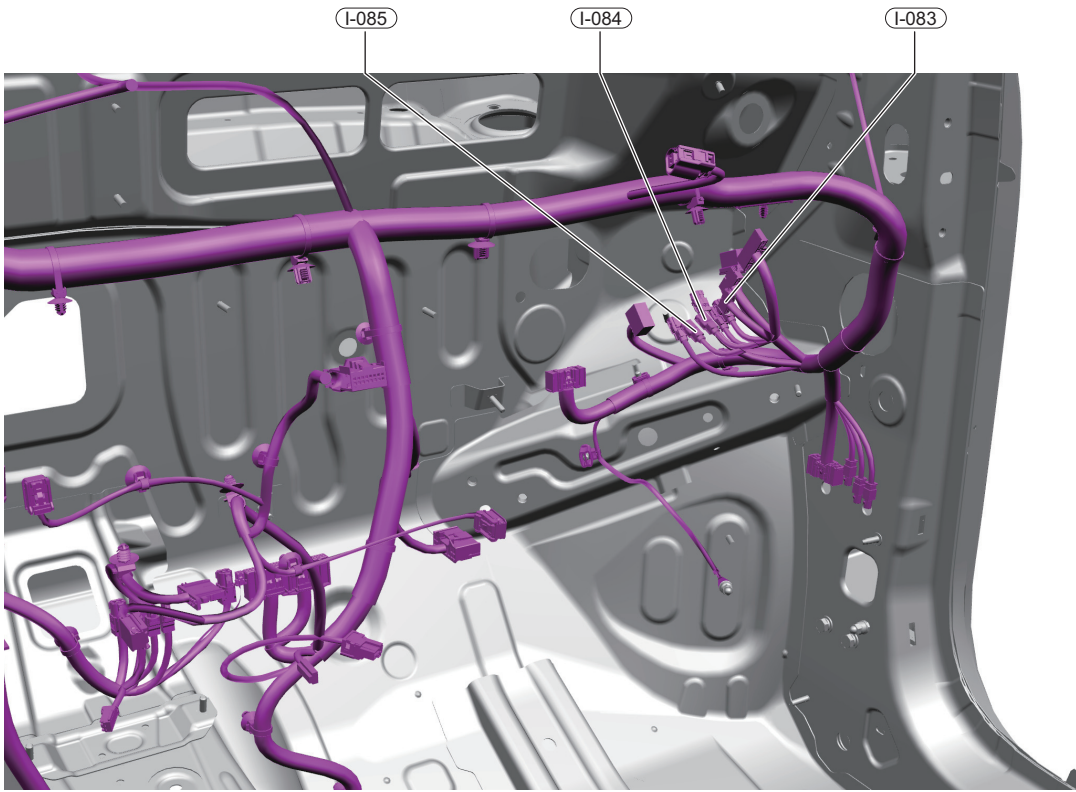
WHE035003

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|-------------------|
| I-080 | B/6 | Armrest Box Light |



WHE035004

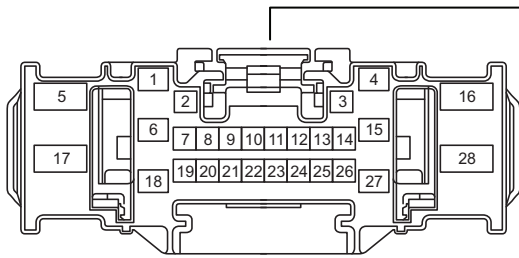
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|-----------------|
| I-081 | B/40 | GLONASS Module |
| I-082 | B/2 | Glove Box Light |



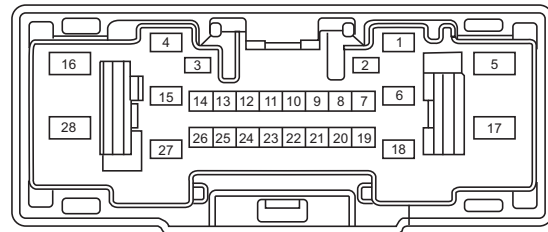
WHE035005

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------------------------|
| I-083 | B/12 | Driver Detection (International) |
| I-084 | B/1 | Driver Camera - International |
| I-085 | B/1 | DAB Antenna |

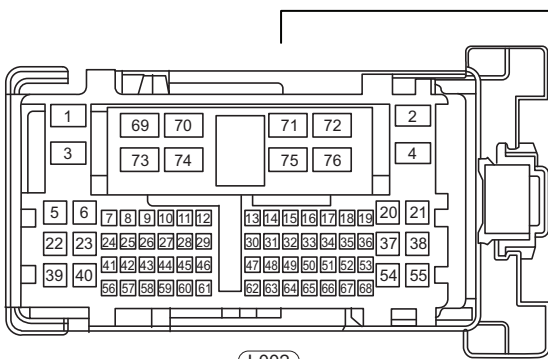
Instrument Wire Harness Connector List



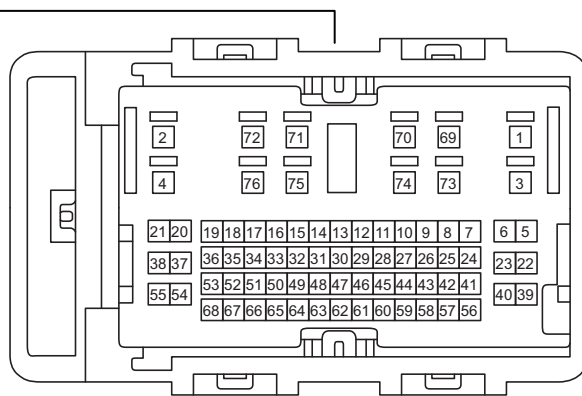
I-001
W
IP to Interior LH 1



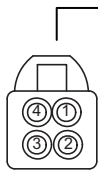
B-119
W
IP Wire Harness - L1



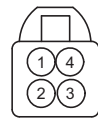
I-002
W
IP to Interior LH 2



B-118
W
IP Wire Harness - L2



I-003
B
360 Four-in-one
(w/o Pilot Configuration)



B-117
B
360 Four-in-one
(w/o Pilot Configuration)



I-004
W
Surround View Camera
Video Output/HD
Reversing View



B-116
W
Reversing
View Camera



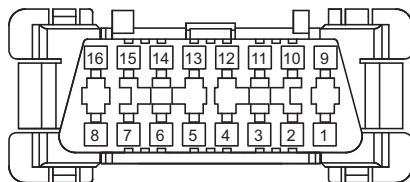
I-005
L
Radio Antenna



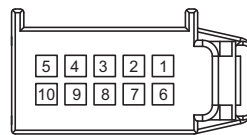
B-115
L
Radio Antenna



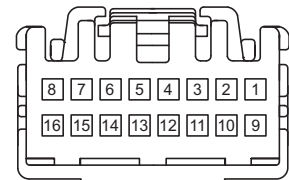
I-006
B
Driver Knee Airbag



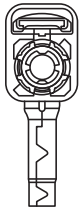
I-007
W
Driver Diagnostic Interface OBD



I-008
B
Light SW

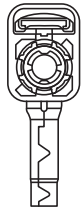


I-009
W
Spiral Cable



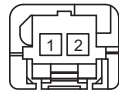
I-010
B

Driver Camera - non CVBOX



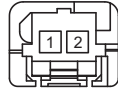
I-011
B

CVBOX-DMS



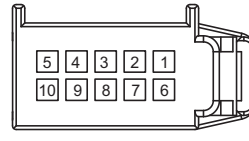
I-012
W

Driver Camera Power Supply - CVBOX



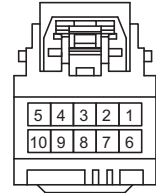
I-013
W

Driver Camera Supplement Light

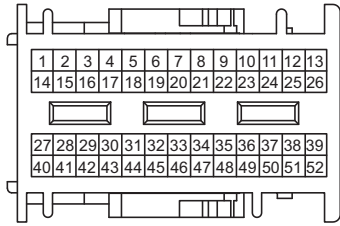


I-014
B

Combination SW Module (SCM)
(Integrated Wiper, Column Shift SW)

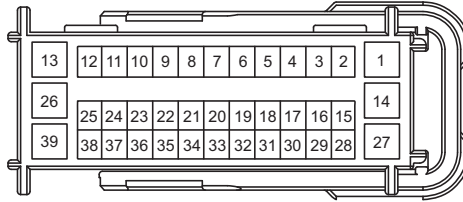


I-015
B
EPS-S



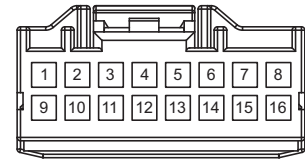
I-016
L

Body Domain Control Module (BDM) J4



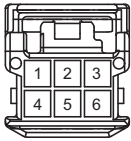
I-017
B

IP F/R Box C3



I-018
W

IP F/R Box C1



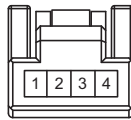
I-019
W

IP Ambient Light



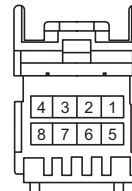
I-020
B

Door Tweeter FL



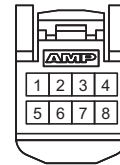
I-021
B

Negative Ion Generator LH



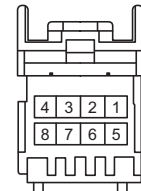
I-022
Y

Instrument Panel Display



I-023
W

Head Up Display AR-HUD



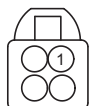
I-024
B

Audio Display



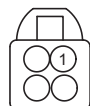
I-025
W

Radio Antenna



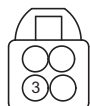
I-026
B

Surround View Camera Video Output/HD Reversing View



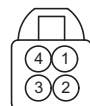
I-027
B

Driver Camera - non CVBOX



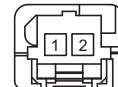
I-028
L

CVBOX IVI Antenna - Audio Head Unit End



I-029
B

360 Four-in-one (w/o Pilot Configuration)



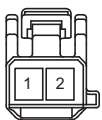
I-030
W

Audio Head Unit - A2B Socket



I-031
B

Ethernet 1



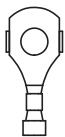
I-032
W

Front USB Charging Module



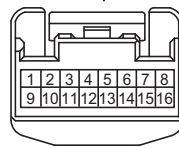
GI-033
B

G502



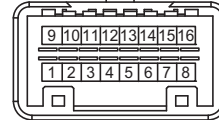
GI-034
B

G503



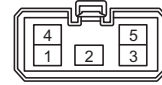
I-035
W

IP to Interior Middle



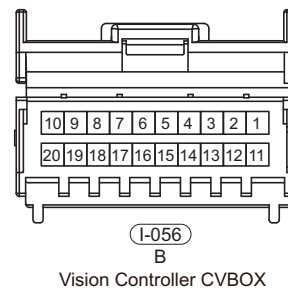
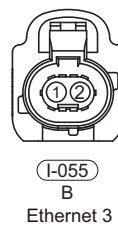
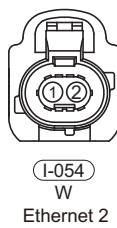
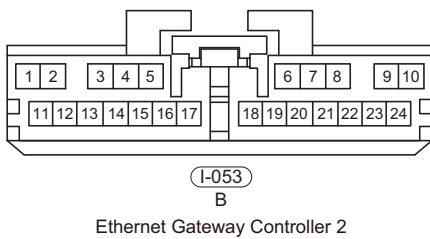
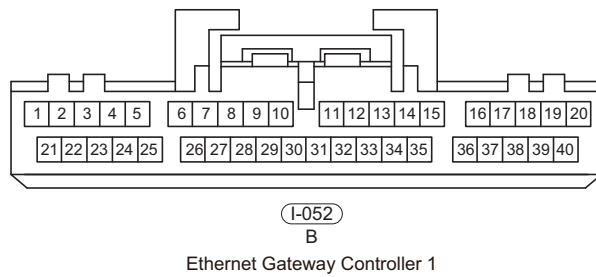
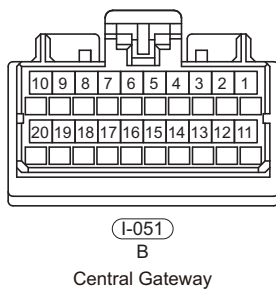
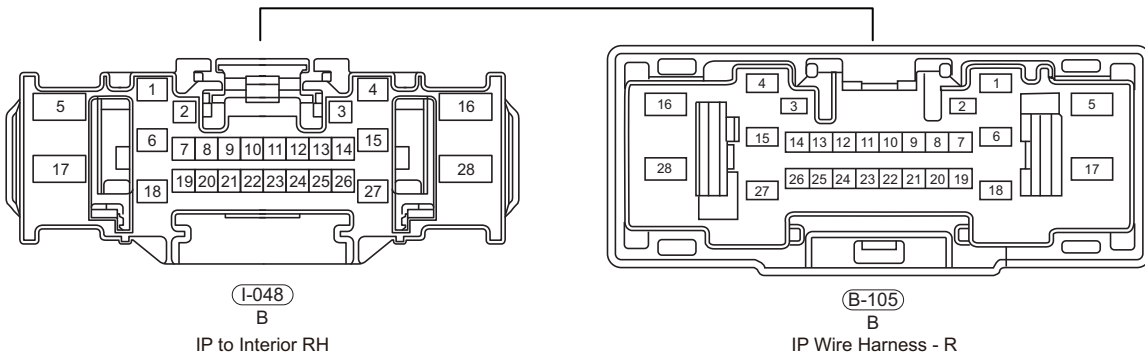
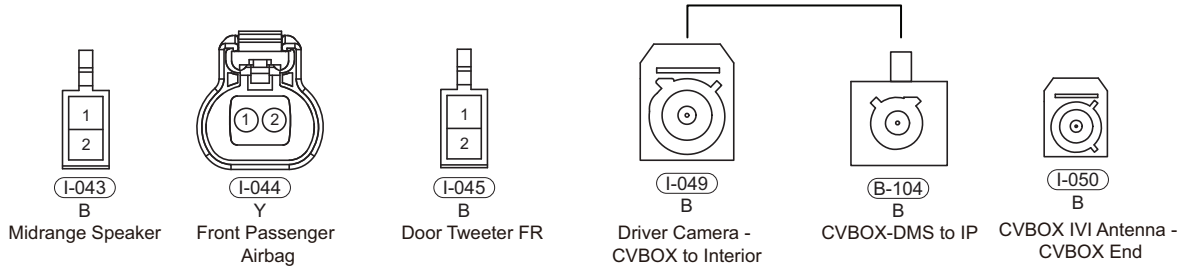
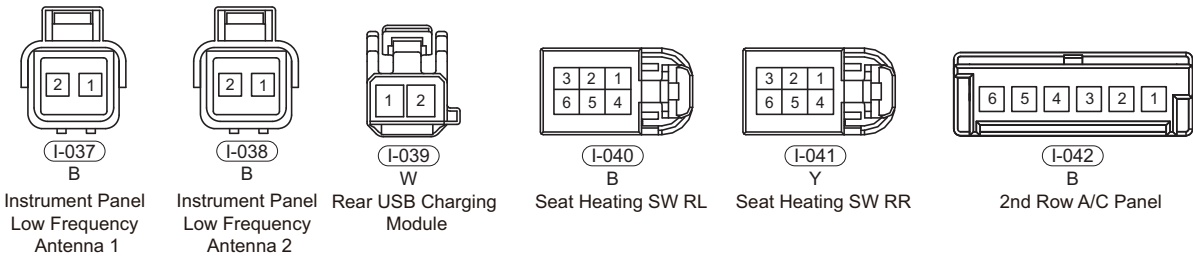
B-124
W

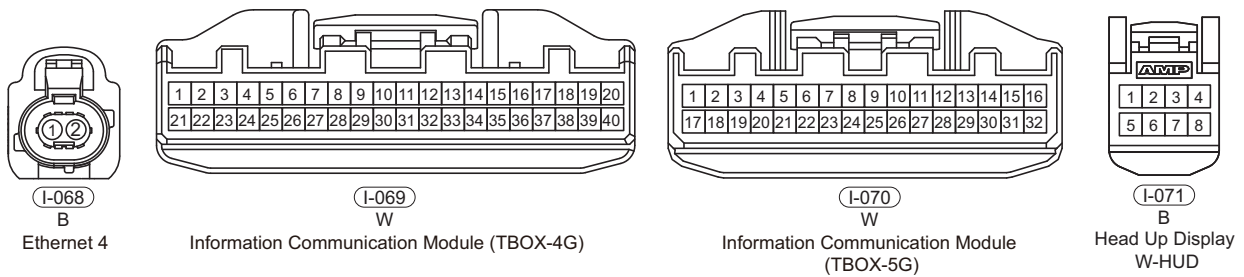
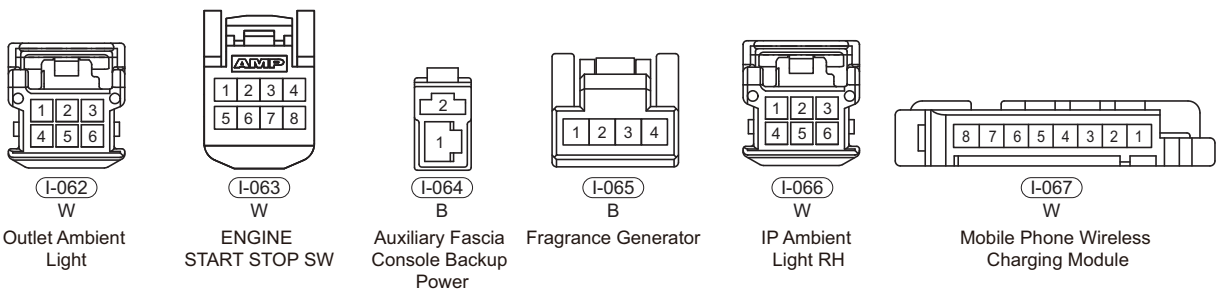
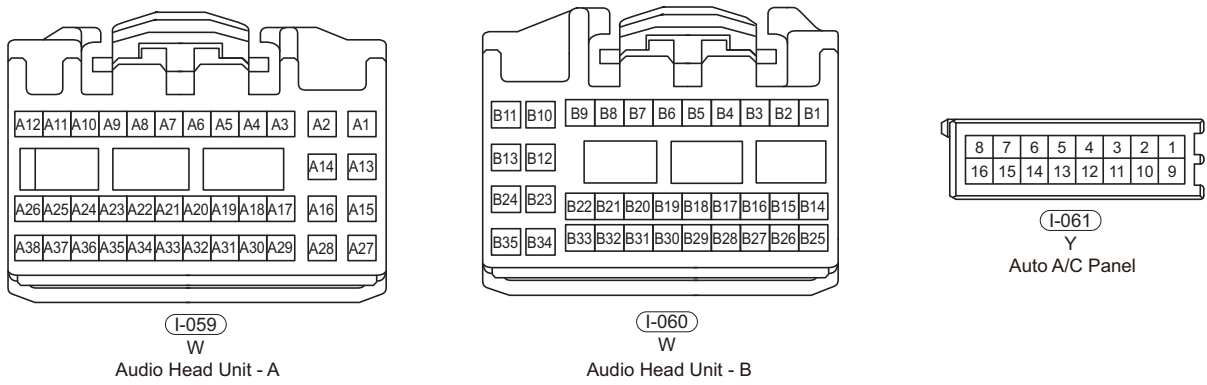
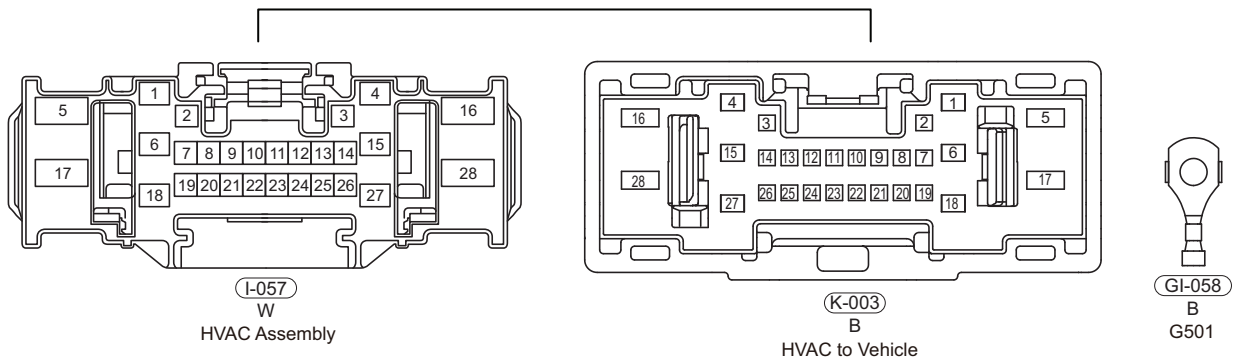
IP Wire Harness Interface - M



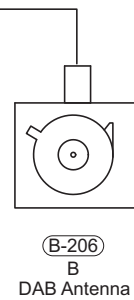
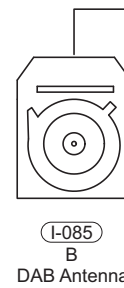
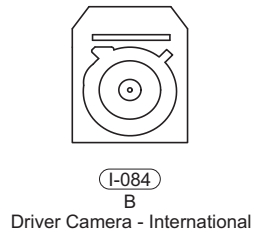
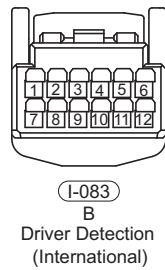
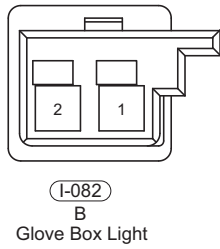
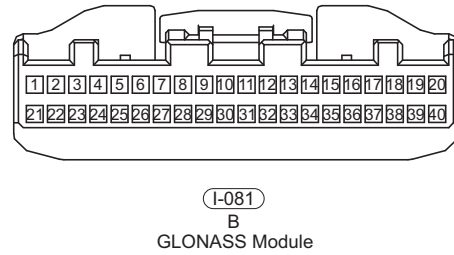
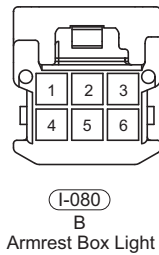
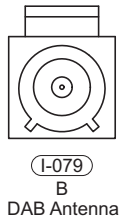
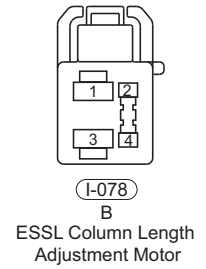
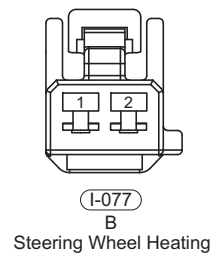
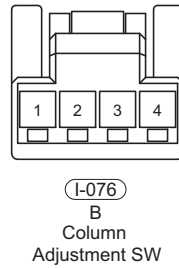
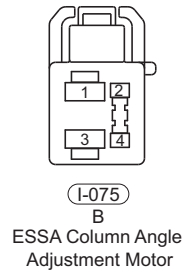
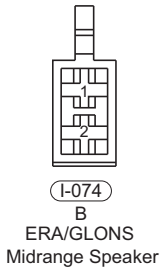
I-036
Br

2nd Row Blower

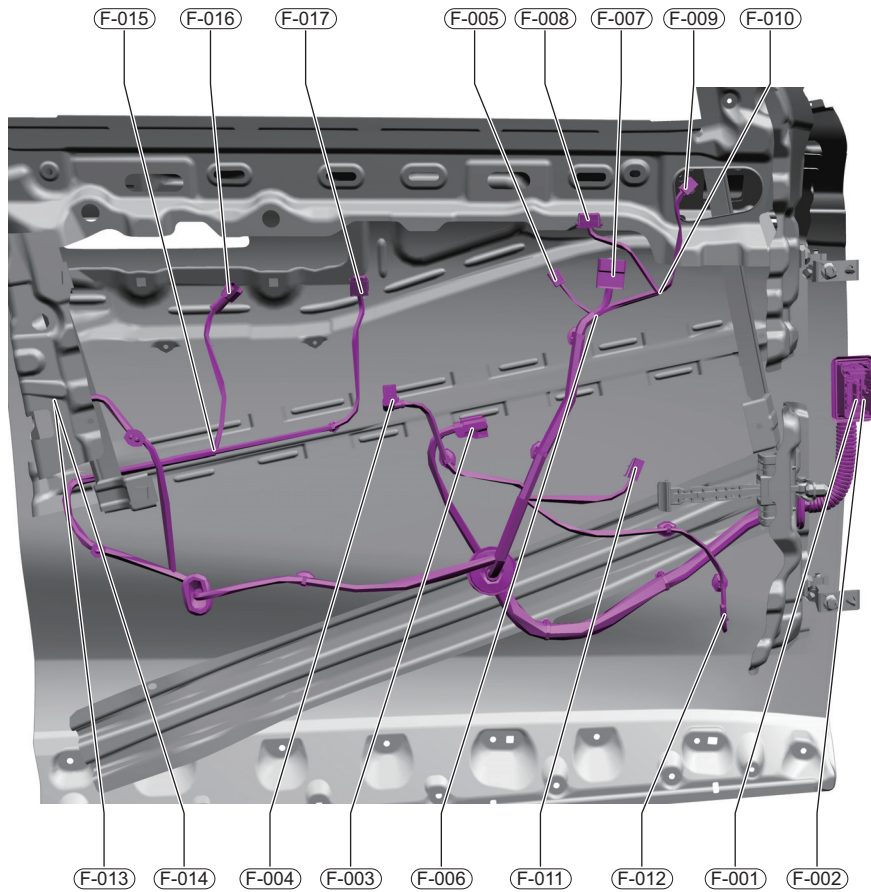




EPU019003



Front Left Door Wire Harness

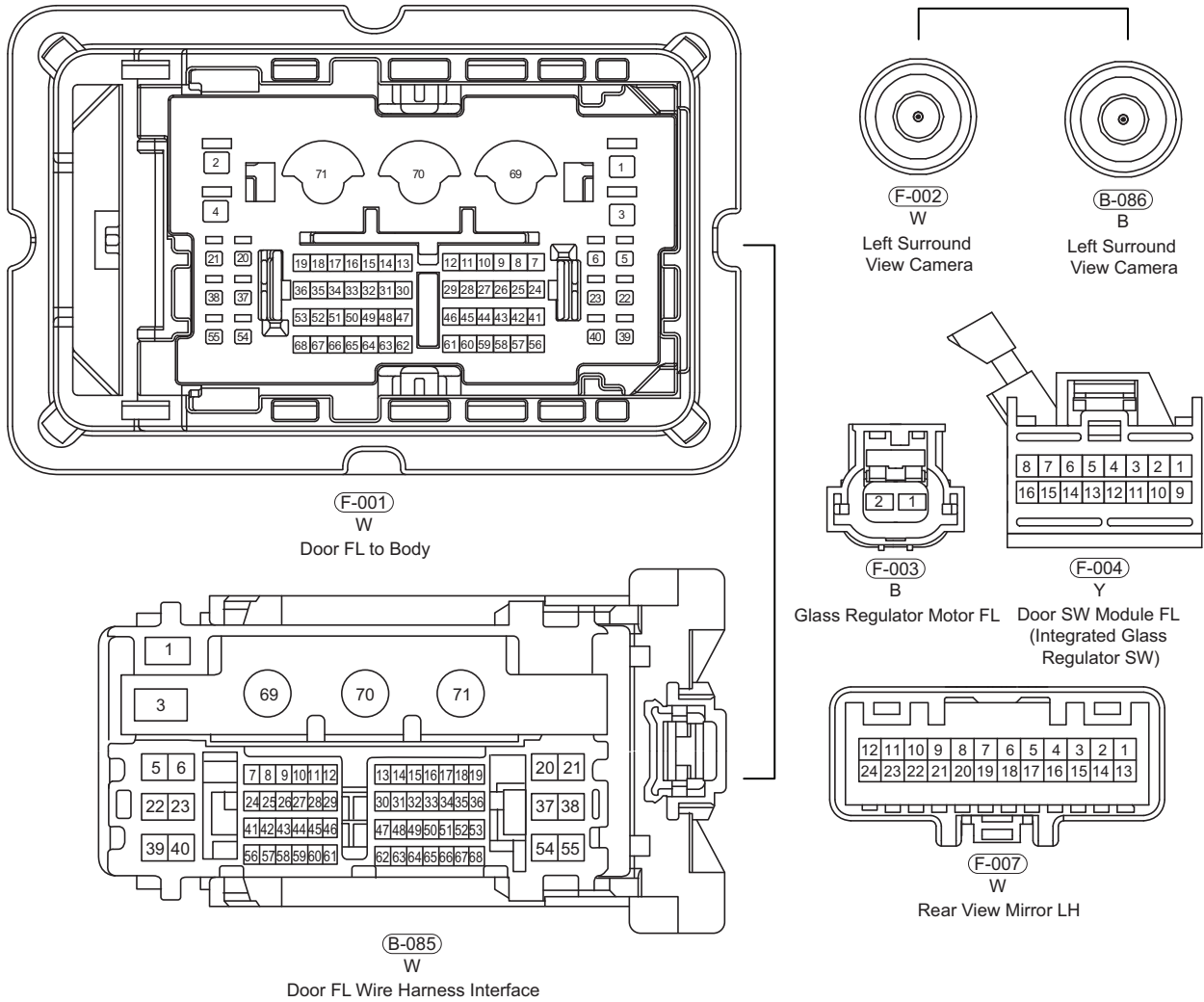


WHE036001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| F-001 | W/71 | Front Left Door to Body |
| F-002 | W/1 | Left Surround View Camera |
| F-003 | B/2 | Front Left Glass Regulator Motor |
| F-004 | Y/16 | Front Left Door Switch Module (Integrated Glass Regulator Switch) |
| F-005 | W/6 | Front Left Door Ambient Light |
| F-006 | B/1 | Left Surround View Camera |
| F-007 | W/24 | Left Rear View Mirror |
| F-008 | B/10 | Driver Seat Switch |
| F-009 | W/6 | Front Left Door Ambient Light - Area Light Source |
| F-010 | W/4 | Front Left Door Power Release Switch |
| F-011 | B/2 | Front Left Woofer |
| F-012 | B/4 | Interior Back Door Opener Switch |
| F-013 | B/7 | Front Left Door Lock Motor (Low Configuration) |
| F-014 | B/8 | Front Left Door Lock Motor (High Configuration) |
| F-015 | B/2 | Front Left Door Handle Sensor |

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| F-016 | B/6 | Front Left Door Hidden Handle (High Configuration) |
| F-017 | B/4 | Front Left Door Hidden Handle (Low Configuration) |

Front Left Door Wire Harness Connector List



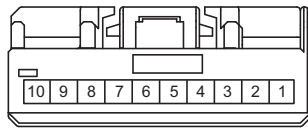
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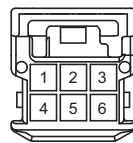
F-005
W
Door Ambient Light FL



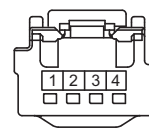
F-006
B
Left Surround View Camera



F-008
B
Driver Seat SW



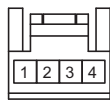
F-009
W
Door Ambient Light FL - Area Light Source



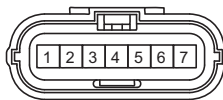
F-010
W
Door Power Release SW FL



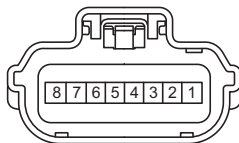
F-011
B
Woofer FL



F-012
B
Interior Back Door Opener SW



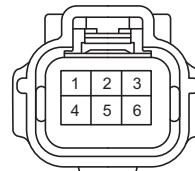
F-013
B
Door Lock Motor FL (Low Configuration)



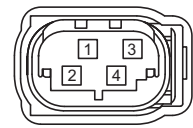
F-014
B
Door Lock Motor FL (High Configuration)



F-015
B
Door Handle Sensor FL



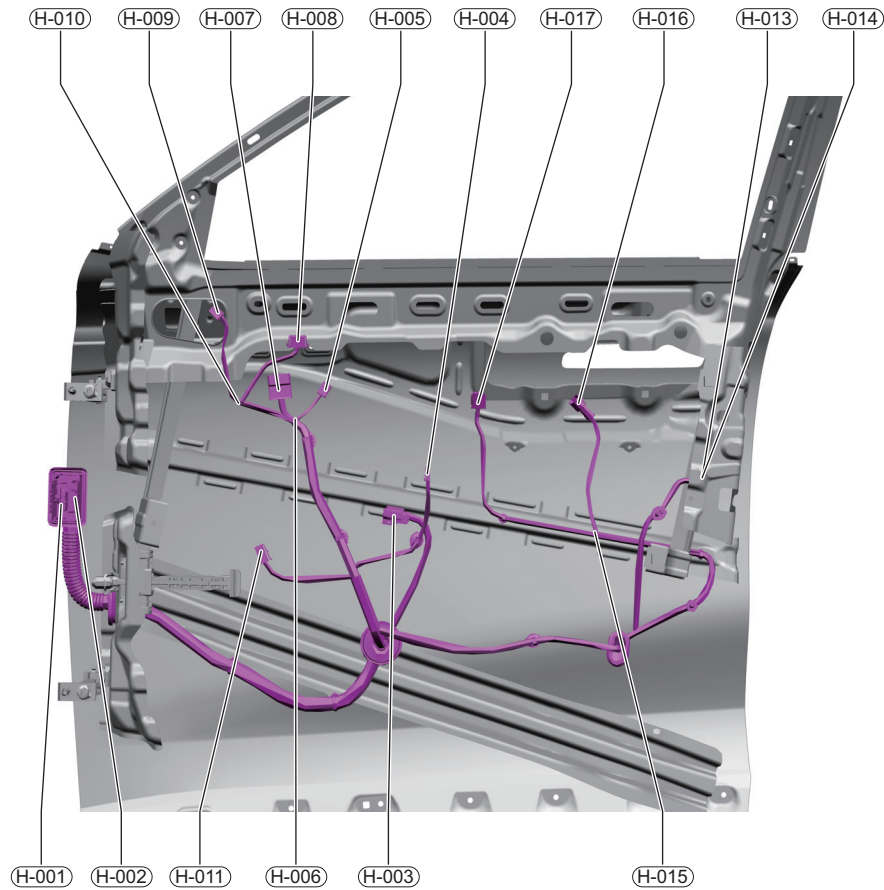
F-016
B
Door Hidden Handle FL (High Configuration)



F-017
B
Door Hidden Handle FL (Low Configuration)

EPU020001

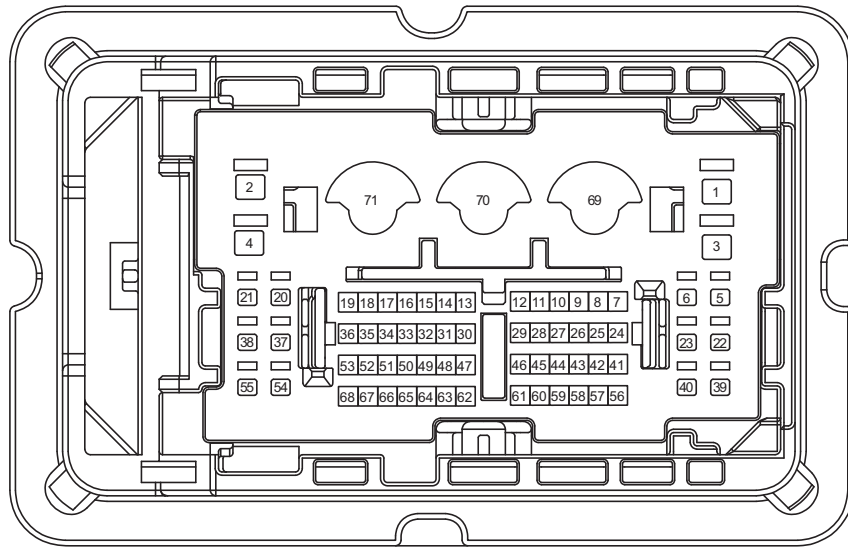
Front Right Door Wire Harness



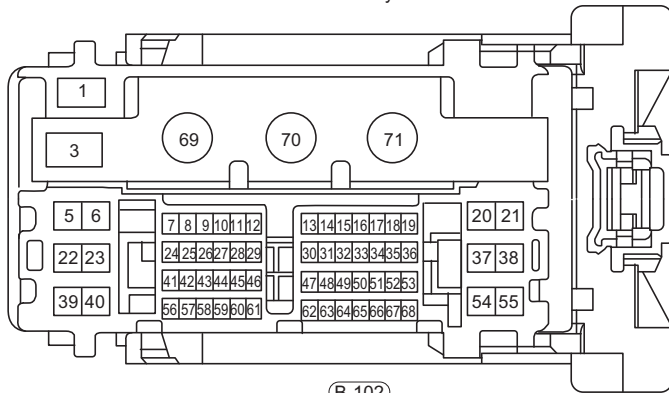
WHE037001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| H-001 | W/71 | Front Right Door to Body |
| H-002 | W/1 | Right Surround View Camera |
| H-003 | B/2 | Front Right Glass Regulator Motor |
| H-004 | B/4 | Front Right Glass Regulator Switch |
| H-005 | W/6 | Front Right Door Ambient Light |
| H-006 | B/1 | Right Surround View Camera |
| H-007 | B/24 | Right Rear View Mirror |
| H-008 | W/8 | Front Passenger Seat Switch |
| H-009 | W/6 | Front Right Door Ambient Light - Area Light Source |
| H-010 | W/4 | Front Right Door Power Release Switch |
| H-011 | B/2 | Front Right Woofer |
| H-013 | B/7 | Front Right Door Lock Motor (Low Configuration) |
| H-014 | B/8 | Front Right Door Lock Motor (High Configuration) |
| H-015 | B/2 | Front Right Door Handle Sensor |
| H-016 | B/6 | Front Right Door Hidden Handle (High Configuration) |
| H-017 | B/4 | Front Right Door Hidden Handle (Low Configuration) |

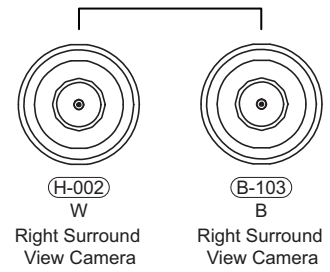
Front Right Door Wire Harness Connector List



(H-001)
W
Door FR to Body

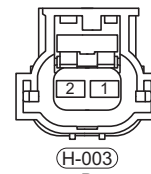


(B-102)
B
Door FR Wire Harness Interface

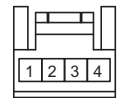


(H-002)
W
Right Surround View Camera

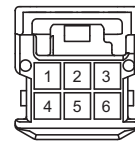
(B-103)
B
Right Surround View Camera



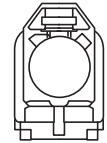
(H-003)
B
Glass Regulator Motor FR



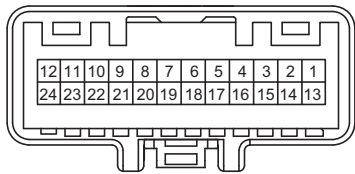
(H-004)
B
Glass Regulator SW FR



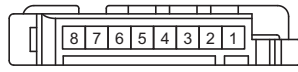
(H-005)
W
Door FR Ambient Light



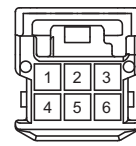
(H-006)
B
Right Surround View Camera



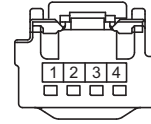
(H-007)
B
Rear View Mirror RH



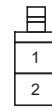
(H-008)
W
Front Passenger Seat SW



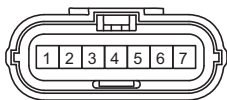
(H-009)
W
Door Ambient Light FR - Area Light Source



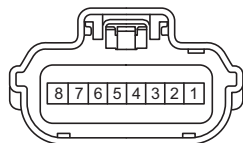
(H-010)
W
Door Power Release SW FR



(H-011)
B
Woofer FR



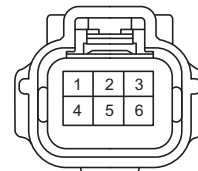
(H-013)
B
Door Lock Motor FR (Low Configuration)



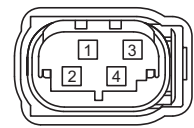
(H-014)
B
Door Lock Motor FR (High Configuration)



(H-015)
B
Door Handle Sensor FR



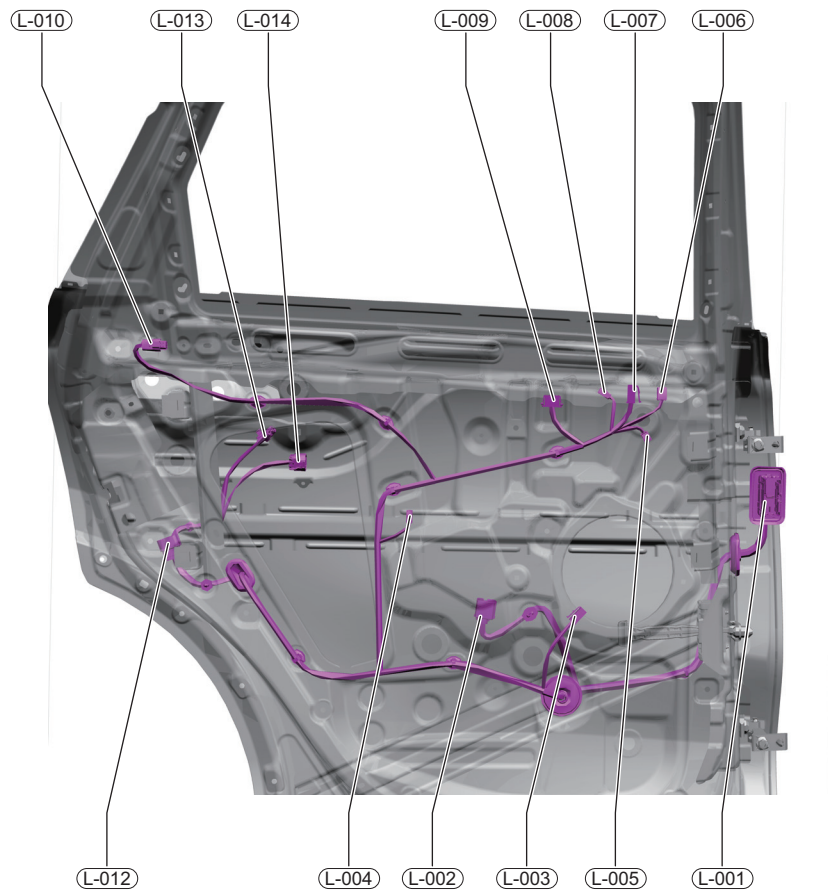
(H-016)
B
Door Hidden Handle FR (High Configuration)



(H-017)
B
Door Hidden Handle FR (Low Configuration)

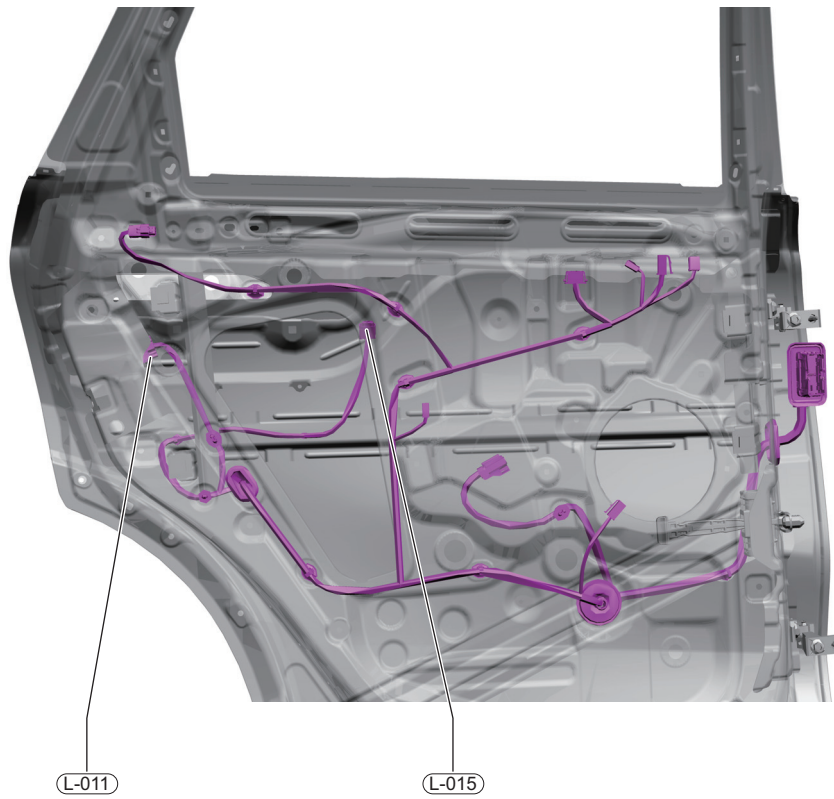
EPU021001

Rear Left Door Wire Harness



WHE038001

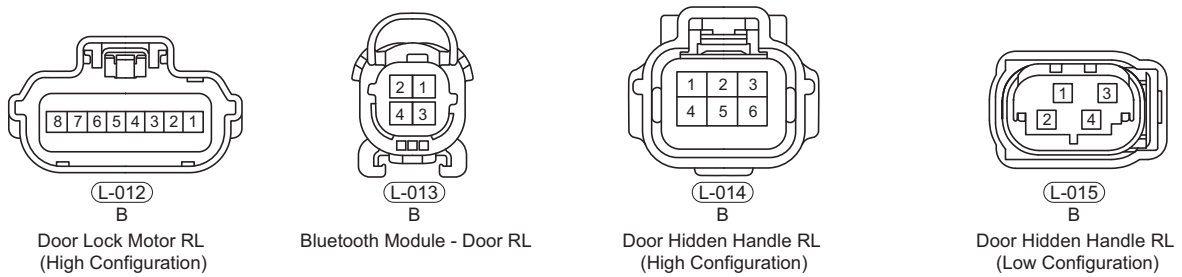
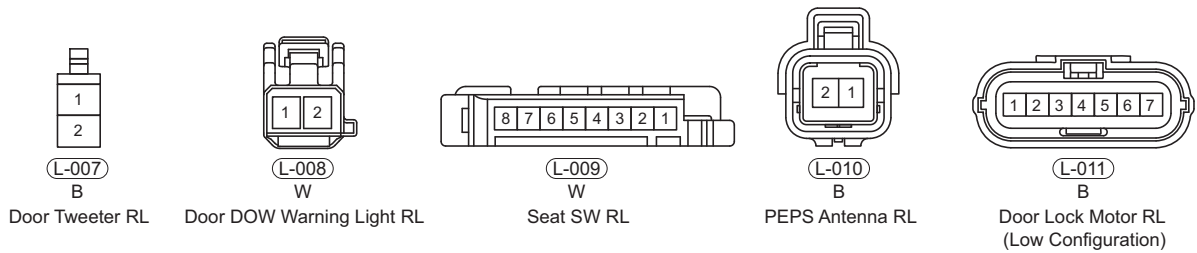
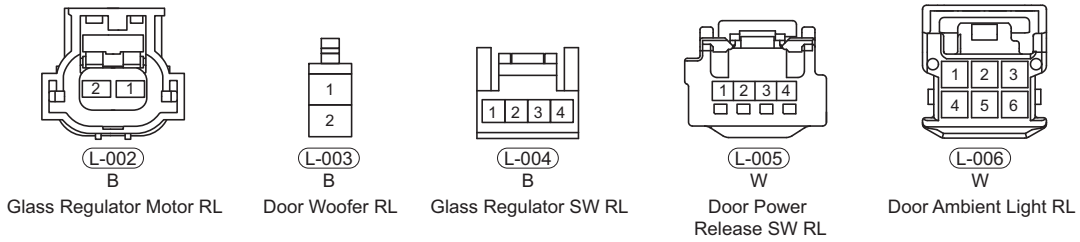
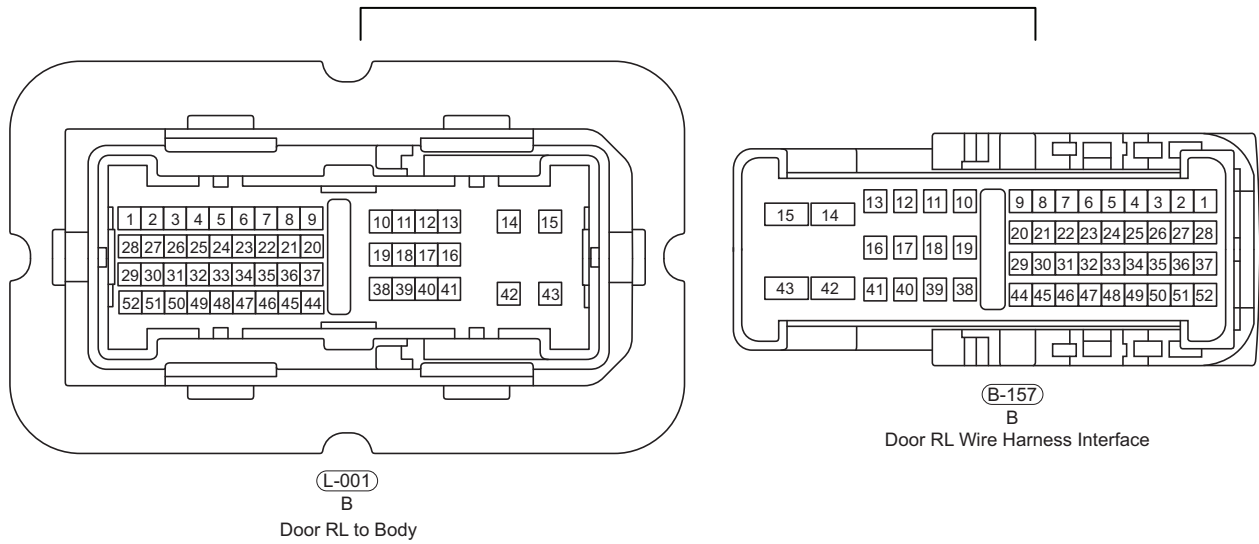
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| L-001 | B/52 | Rear Left Door to Body |
| L-002 | B/2 | Rear Left Glass Regulator Motor |
| L-003 | B/2 | Rear Left Door Woofer |
| L-004 | B/4 | Rear Left Glass Regulator Switch |
| L-005 | W/4 | Rear Left Door Power Release Switch |
| L-006 | W/6 | Rear Left Door Ambient Light |
| L-007 | B/2 | Rear Left Door Tweeter |
| L-008 | W/2 | Rear Left Door DOW Warning Light |
| L-009 | W/8 | Rear Left Seat Switch |
| L-010 | B/2 | Rear Left PEPS Antenna |
| L-012 | B/8 | Rear Left Door Lock Motor (High Configuration) |
| L-013 | B/4 | Bluetooth Module - Rear Left Door |
| L-014 | B/67 | Rear Left Door Hidden Handle (High Configuration) |



WHE038002

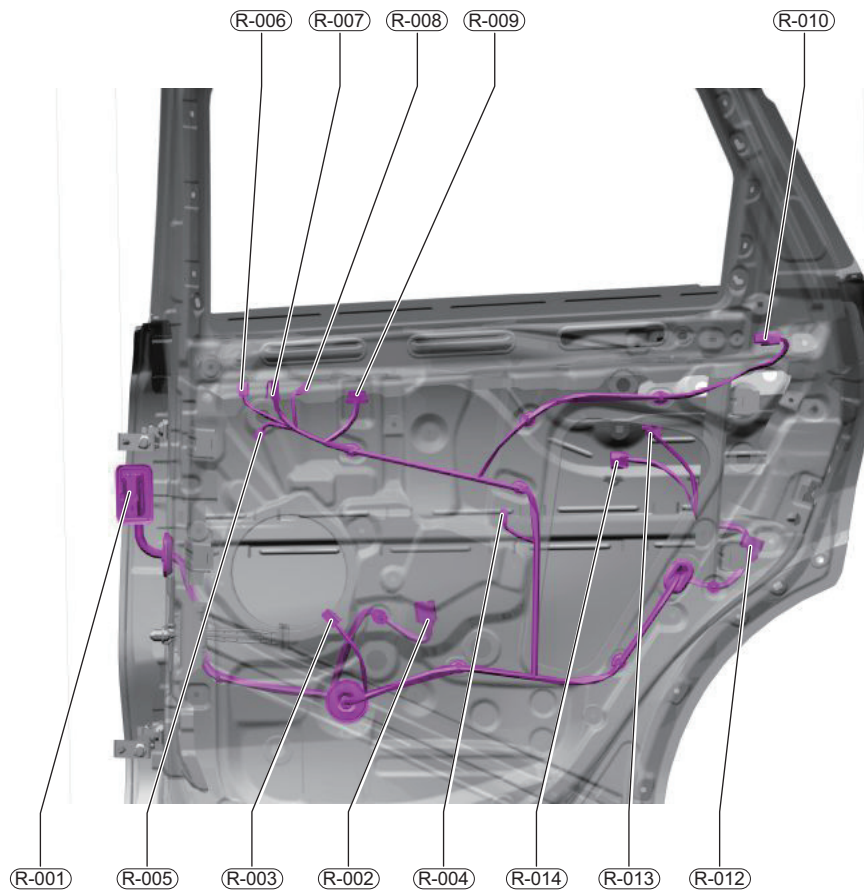
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| L-011 | B/7 | Rear Left Door Lock Motor (Low Configuration) |
| L-015 | B/4 | Rear Left Door Hidden Handle (Low Configuration) |

Rear Left Door Wire Harness Connector List



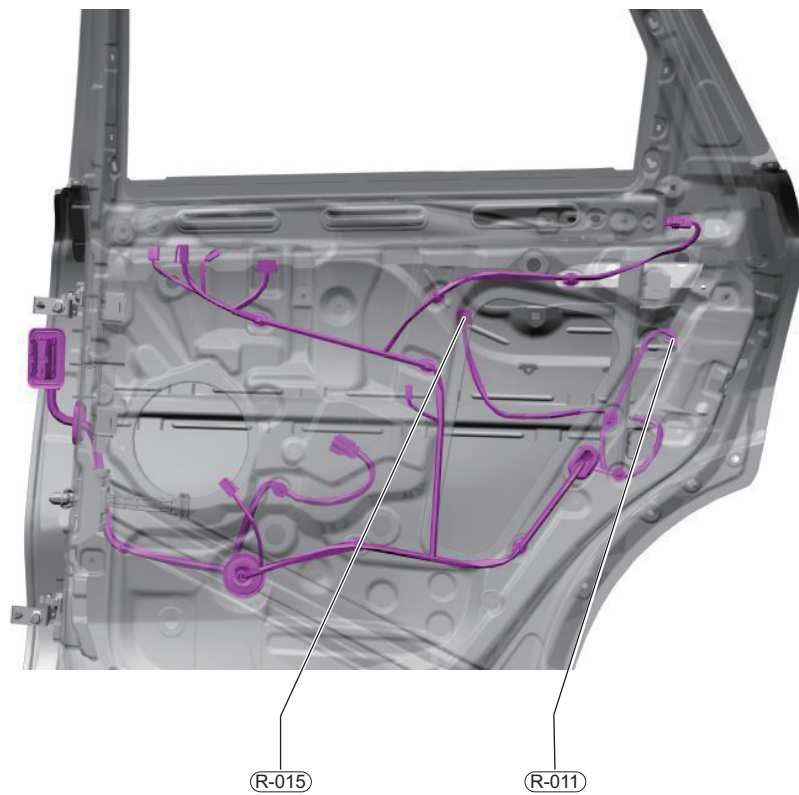
EPU022001

Rear Right Door Wire Harness



WHE039001

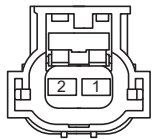
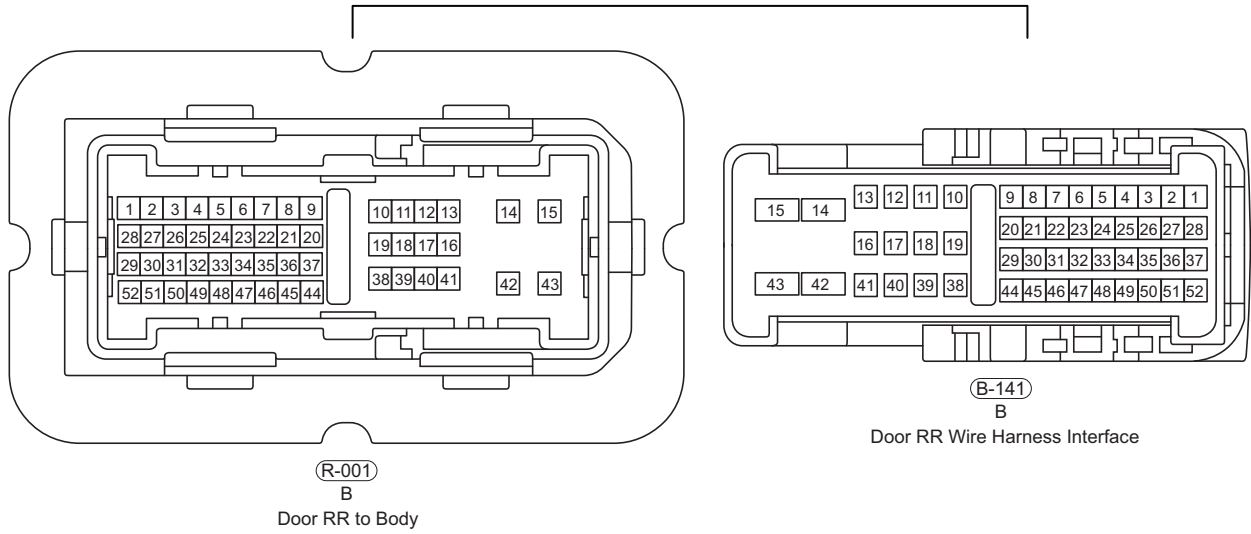
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| R-001 | B/52 | Rear Right Door to Body |
| R-002 | B/2 | Rear Right Glass Regulator Motor |
| R-003 | B/2 | Rear Right Door Woofer |
| R-004 | B/4 | Rear Right Glass Regulator Switch |
| R-005 | W/4 | Rear Right Door Power Release Switch |
| R-006 | W/6 | Rear Right Door Ambient Light |
| R-007 | B/2 | Rear Right Door Tweeter |
| R-008 | W/2 | Rear Right Door DOW Warning Light |
| R-009 | W/8 | Rear Right Seat Switch |
| R-010 | B/2 | Rear Right PEPS Antenna |
| R-012 | B/8 | Rear Right Door Lock Motor (High Configuration) |
| R-013 | B/4 | Bluetooth Module - Rear Right Door |
| R-014 | B/6 | Rear Right Door Hidden Handle (High Configuration) |



WHE039002

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| R-011 | B/7 | Rear Right Door Lock Motor (Low Configuration) |
| R-015 | B/4 | Rear Right Door Hidden Handle (Low Configuration) |

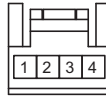
Rear Right Door Wire Harness Connector List



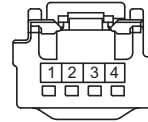
(R-002)
B
Glass Regulator Motor RR



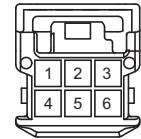
(R-003)
B
Door Woofer RR



(R-004)
B
Glass Regulator SW RR



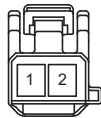
(R-005)
W
Door Power Release SW RR



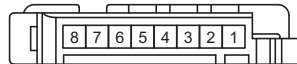
(R-006)
W
Door Ambient Light RR



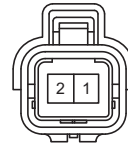
(R-007)
B
Door Tweeter RR



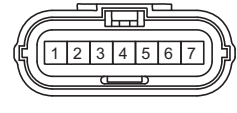
(R-008)
W
Door DOW Warning Light RR



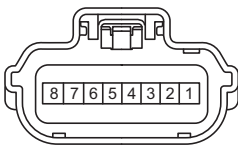
(R-009)
W
Seat SW RR



(R-010)
B
PEPS Antenna RR



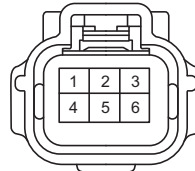
(R-011)
B
Door Lock Motor RR (Low Configuration)



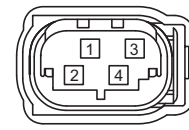
(R-012)
B
Door Lock Motor RR (High Configuration)



(R-013)
B
Bluetooth Module - Door RR

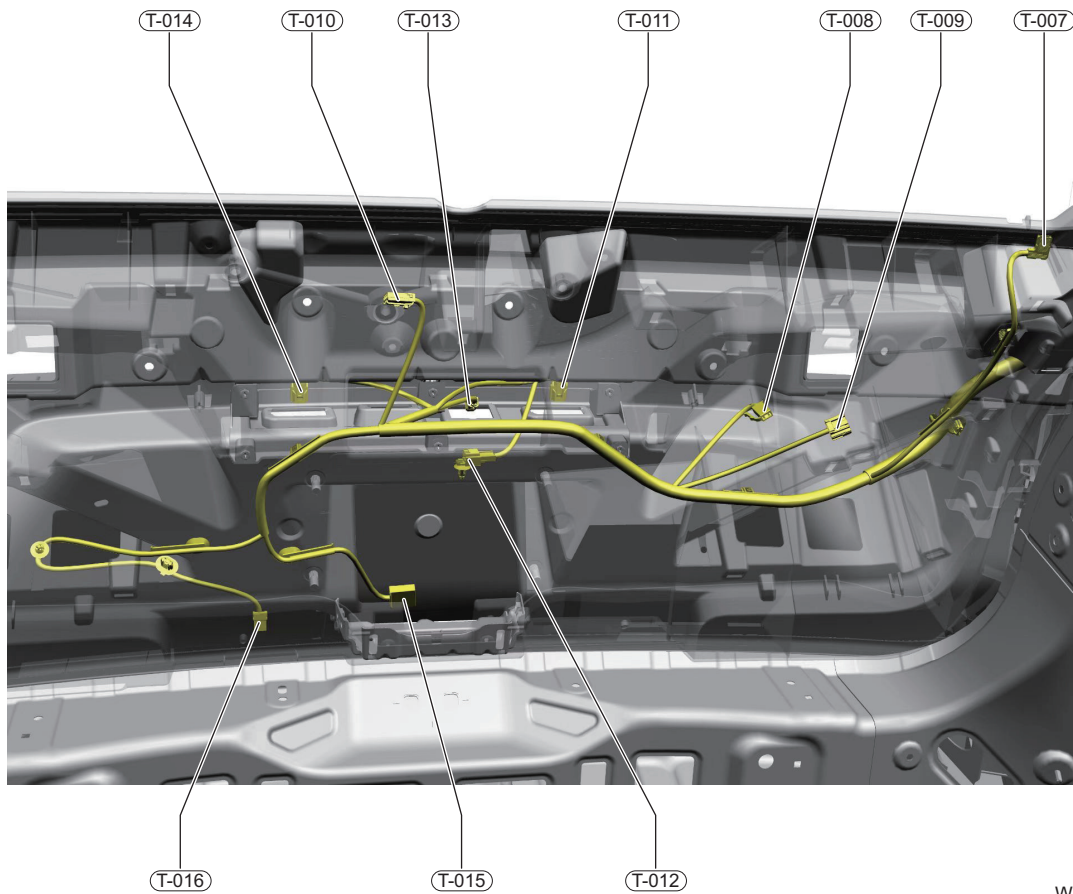


(R-014)
B
Door Hidden Handle RR (High Configuration)



(R-015)
B
Door Hidden Handle RR (Low Configuration)

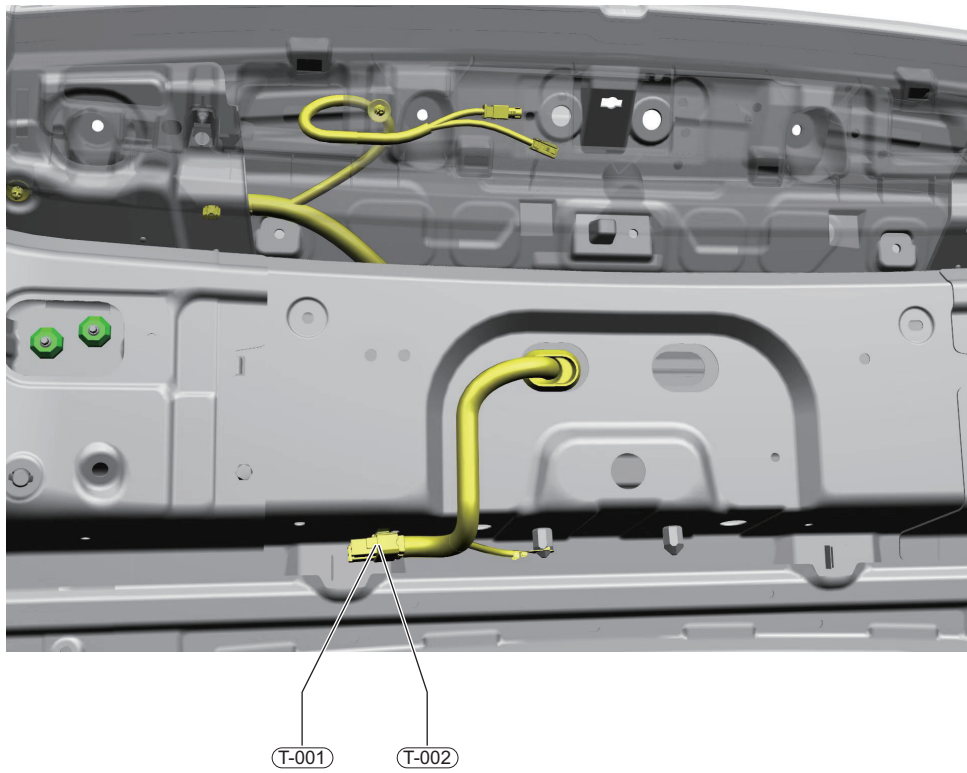
Left Back Door Wire Harness



WHE040001

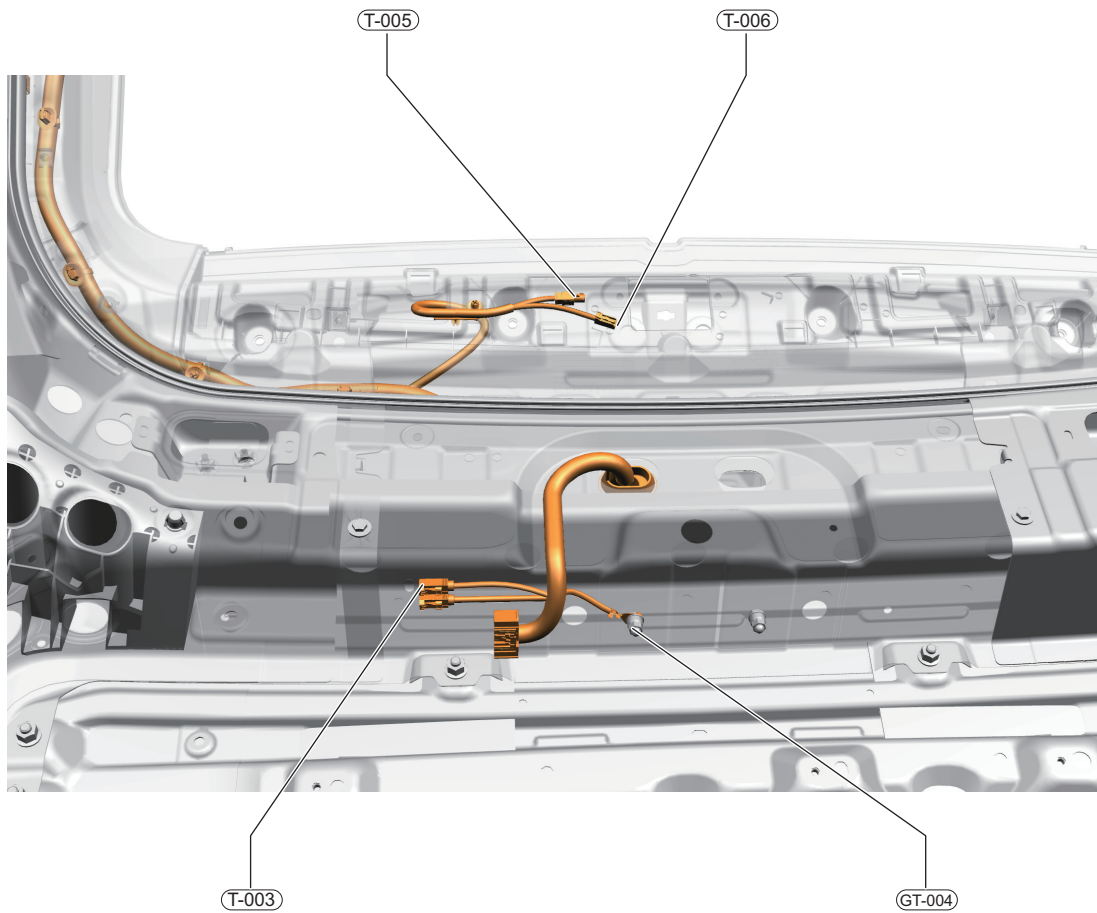
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---------------------------------------|
| T-007 | B/1 | Rear Defroster Positive |
| T-008 | B/2 | Left Surround Speaker |
| T-009 | W/10 | Rear Left Combination Light (Through) |
| T-010 | B/3 | Rear Wiper Motor |
| T-011 | B/2 | Rear Left License Plate Light |
| T-012 | B/4 | Back Door Contact Switch |
| T-013 | B/1 | Back Door HD Camera |
| T-014 | B/2 | Rear Right License Plate Light |
| T-015 | B/6 | Self Suction Locker |
| T-016 | B/4 | Back Door Closer Switch |

10



WHE040002

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| T-001 | B/26 | Left Back Door to Interior |
| T-002 | B/1 | Back Door HD Camera to Interior End /Back Door Reversing View to Interior End |

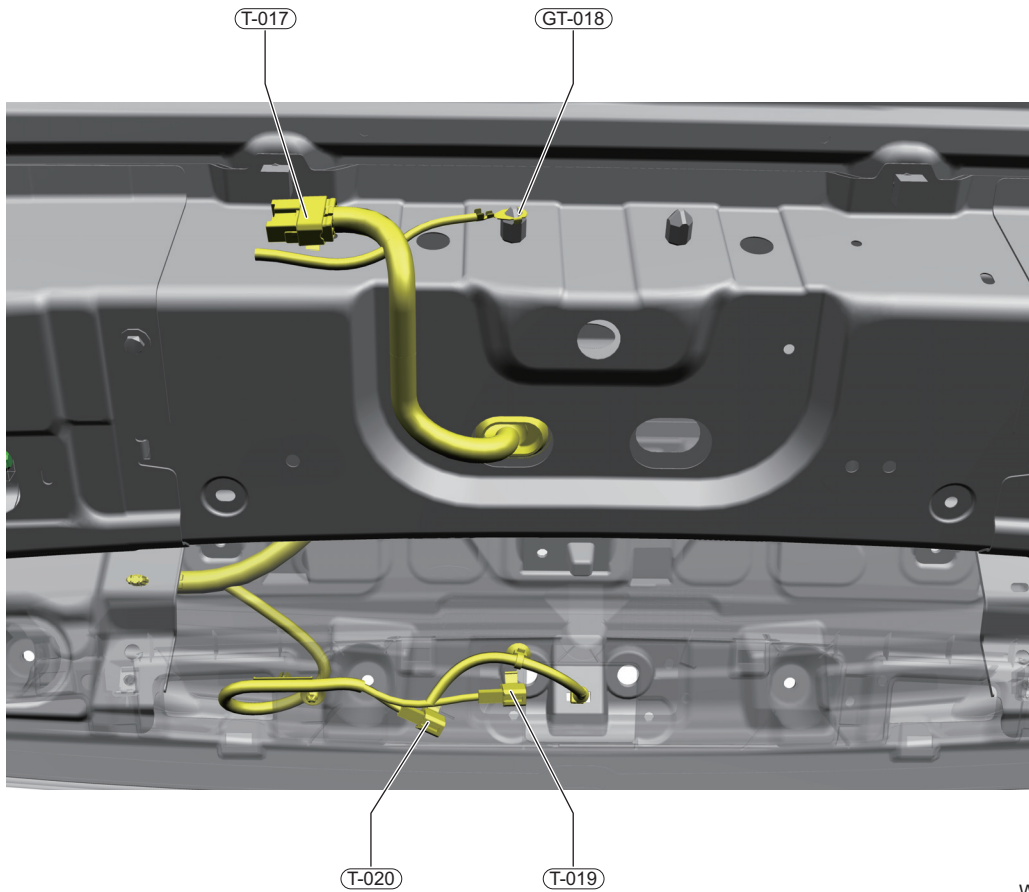


WHE040003

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---------------------|
| T-003 | B/1 | DAB to Wire Harness |
| GT-004 | B/1 | G702 |
| T-005 | B/1 | DAB Antenna |
| T-006 | B/2 | DAB Ground |

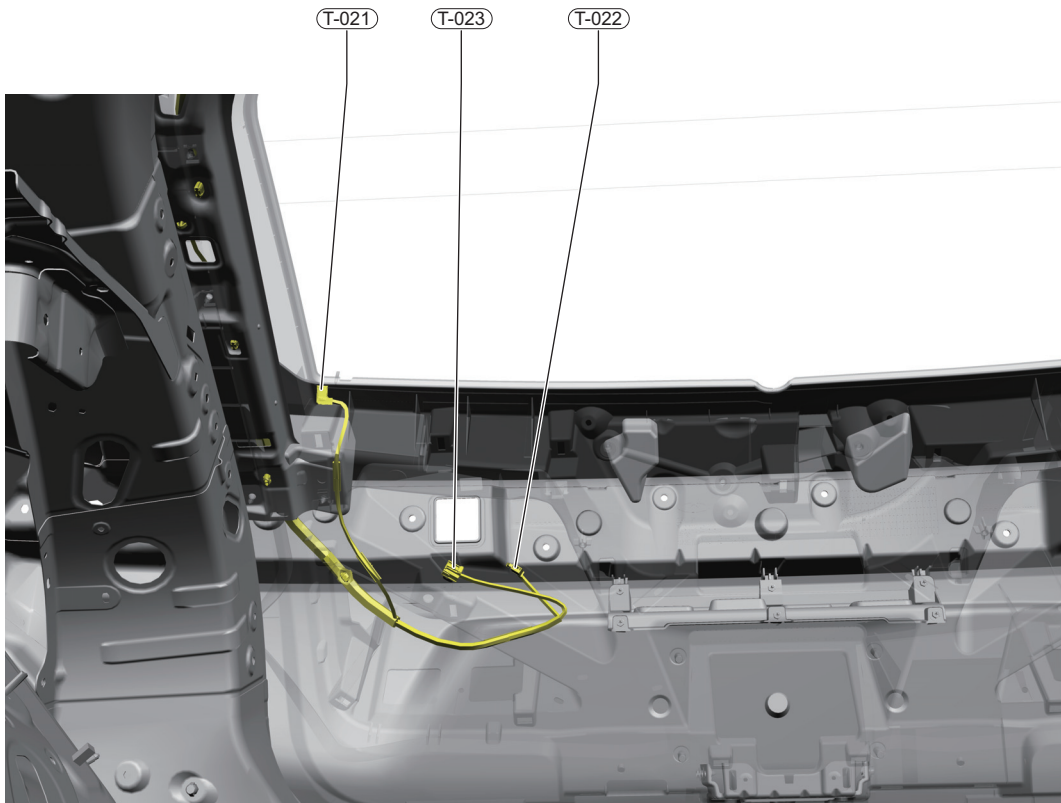
10

Right Back Door Wire Harness



WHE041001

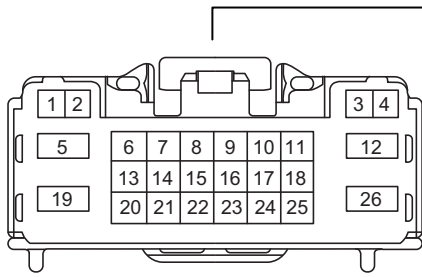
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|-----------------------------|
| T-017 | B/16 | Right Back Door to Interior |
| GT-018 | B/1 | G701 |
| T-019 | W/2 | High Mounted Stop Light 2 |
| T-020 | W/2 | High Mounted Stop Light 3 |



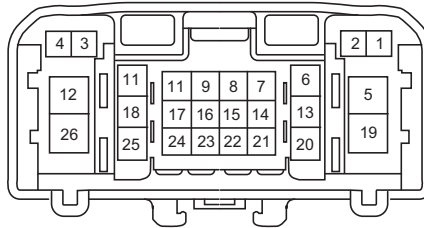
WHE041002

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| T-021 | B/1 | Rear Defroster Negative |
| T-022 | B/2 | Right Surround Speaker |
| T-023 | W/10 | Rear Right Combination Light (Through) |

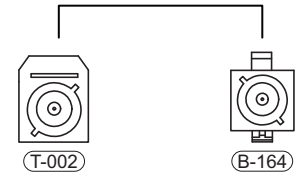
Back door Wire Harness Connector List



(T-001)
B
Back Door LH to Interior

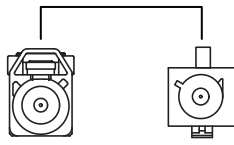


(B-162)
B
Back Door RL Wire Harness Interface



(T-002)
B
Back Door HD Camera to Interior Terminal/Back Door Reversing View to Interior Terminal

(B-164)
B
Rear Surround View Camera/Reversing View Camera

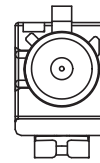


(T-003)
B
DAB to Wire Harness

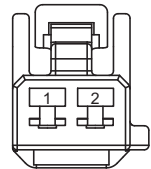
(B-163)
B
Radio Antenna



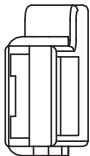
(GT-004)
B
G702



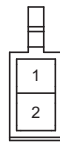
(T-005)
B
DAB Antenna



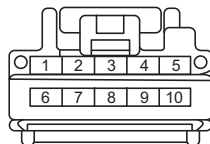
(T-006)
B
DAB Ground



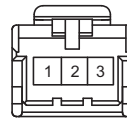
(T-007)
B
Rear Defroster Positive



(T-008)
B
Surround Speaker LH



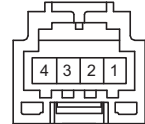
(T-009)
W
Combination Light RL (Through)



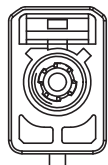
(T-010)
B
Rear Wiper Motor



(T-011)
B
License Plate Light RL



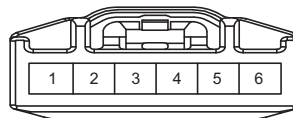
(T-012)
B
Back Door Contact SW



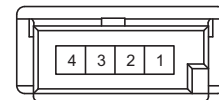
(T-013)
B
Back Door HD Camera



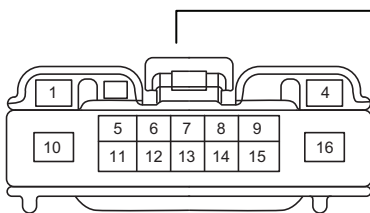
(T-014)
B
License Plate Light RR



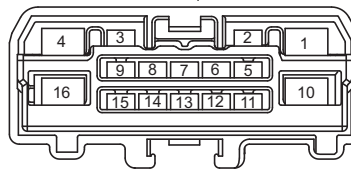
(T-015)
B
Self Suction Locker



(T-016)
B
Back Door Closer SW



(T-017)
B
Back Door RR to Interior



(B-179)
B
Back Door RR Wire Harness Interface

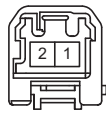


(GT-018)
B
G702

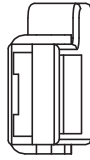
EPU024001



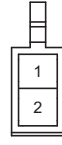
(T-019)
W
High Mounted
Stop Light 2



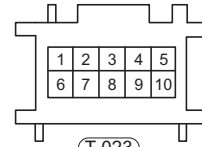
(T-020)
W
High Mounted
Stop Light 3



(T-021)
B
Rear Defroster Negative

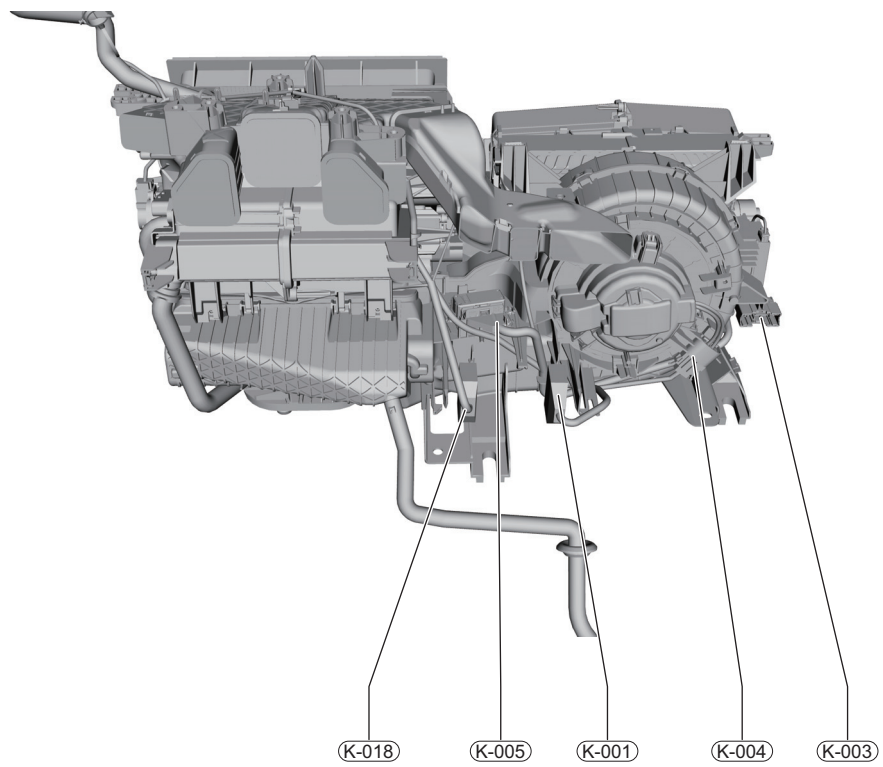


(T-022)
B
Surround Speaker RH



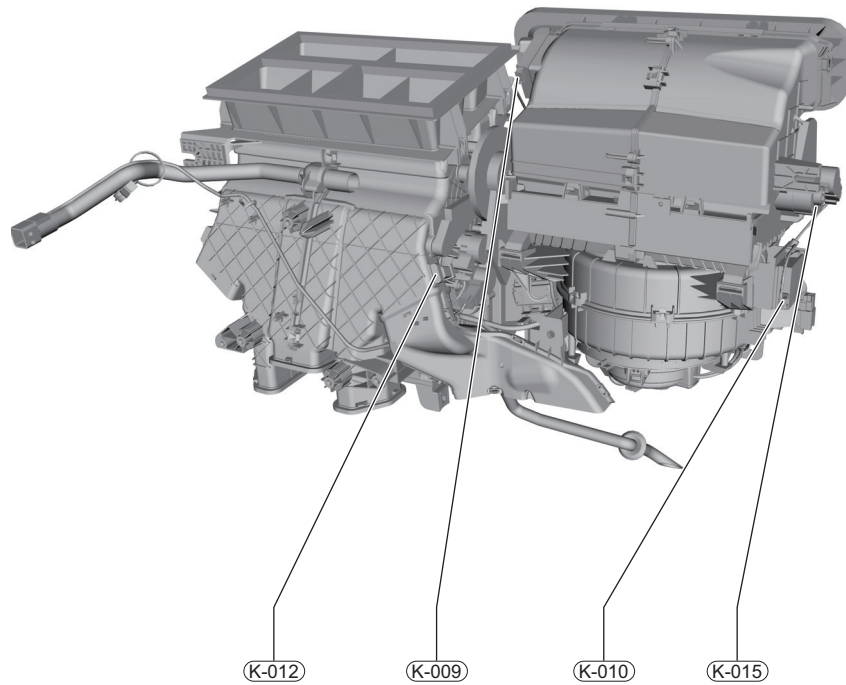
(T-023)
W
Combination Light RR
(Through)

Auto A/C Wire Harness



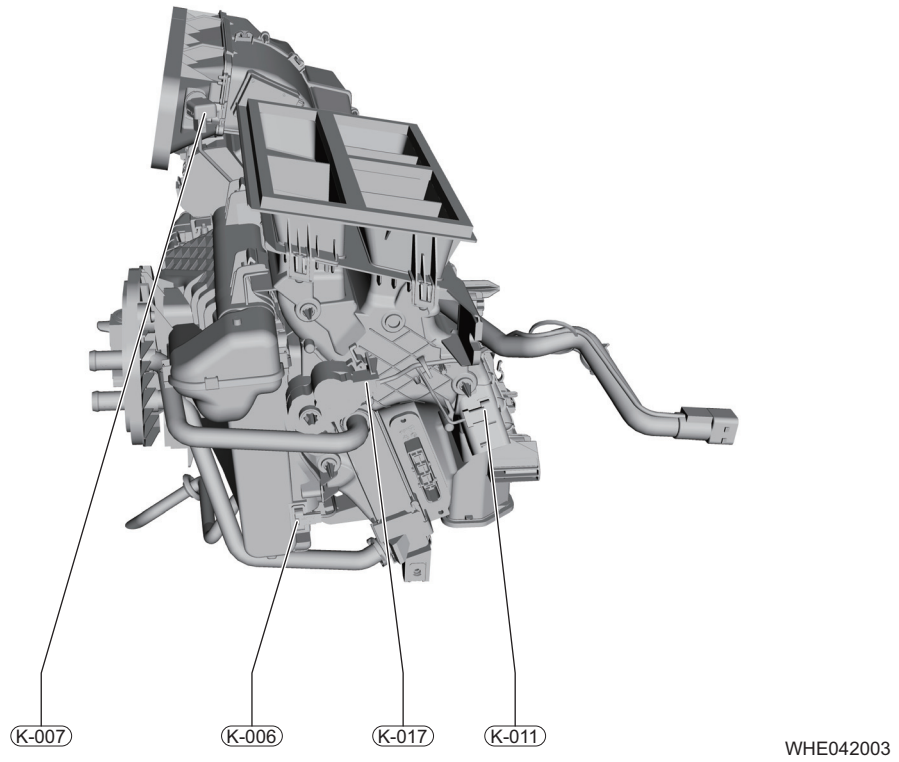
WHE042001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--------------------------------|
| K-001 | B/40 | Automatic A/C Control Module A |
| K-003 | B/28 | HVAC to Vehicle I-057 |
| K-004 | B/2 | Blower |
| K-005 | B/6 | Blower Speed Regulation Module |
| K-018 | B/40 | Automatic A/C Control Module B |



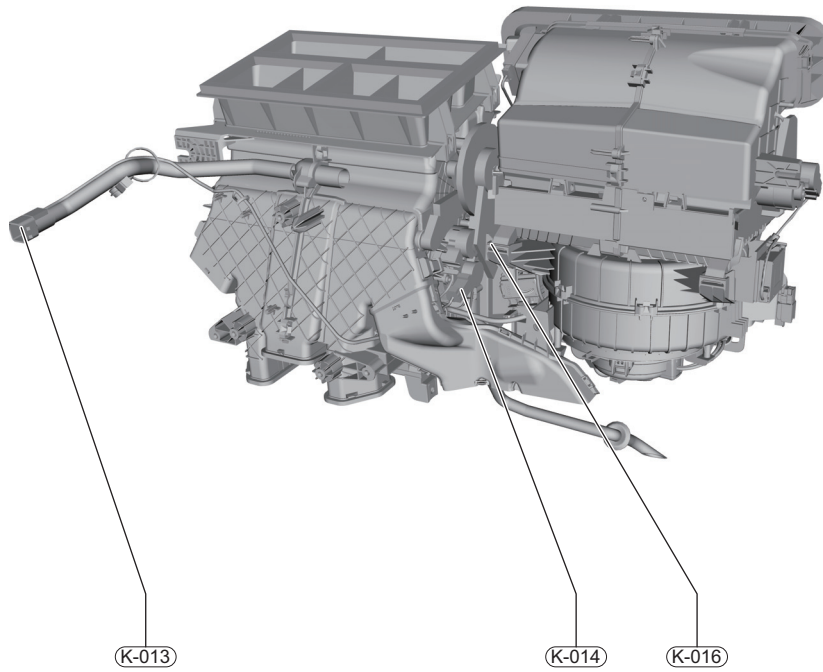
WHE042002

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---------------------------------|
| K-009 | B/4 | Outer PM2.5 Sensor |
| K-010 | B/4 | Inner PM2.5 Sensor |
| K-012 | B/2 | Right Outlet Temperature Sensor |
| K-015 | B/6 | Inner/Outer Circulation Motor |



WHE042003

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|------------------------------------|
| K-006 | B/2 | Evaporator Tank Temperature Sensor |
| K-007 | B/3 | Air Mass Sensor |
| K-011 | B/2 | Left Outlet Temperature Sensor |
| K-017 | B/6 | Left Mix Damper Motor |



WHE042004

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|-------------------------|
| K-013 | B/2 | Room Temperature Sensor |
| K-014 | B/6 | Mode Damper Motor |
| K-016 | B/6 | Right Mix Damper Motor |

Auto A/C Wire Harness Connector List

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 | A13 | A14 | A15 | A16 | A17 | A18 | A19 | A20 |
| A21 | A22 | A23 | A24 | A25 | A26 | A27 | A28 | A29 | A30 | A31 | A32 | A33 | A34 | A35 | A36 | A37 | A38 | A39 | A40 |

(K-001)
B

Automatic A/C Control Module A

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
| B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 |

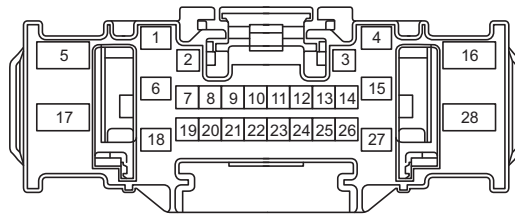
(K-018)
B

Automatic A/C Control Module B

| | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 5 | 1 | 2 | | | | | | | 3 | 4 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |

(K-003)
B

HVAC to Vehicle



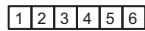
(I-057)
B

HVAC Assembly



(K-004)
B

Blower



(K-005)
B

Blower Speed Regulation Module



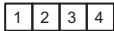
(K-006)
B

Evaporator Tank Temp Sensor



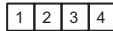
(K-007)
B

Air Mass Sensor



(K-009)
B

Outer PM2.5 Sensor



(K-010)
B

Inner PM2.5 Sensor



(K-011)
B

Outlet Temp Sensor LH



(K-012)
B

Outlet Temp Sensor RH



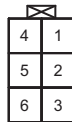
(K-013)
B

Room Temp Sensor



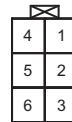
(K-014)
B

Mode Damper Motor



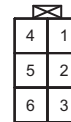
(K-015)
B

Inner/Outer Circulation Motor



(K-016)
B

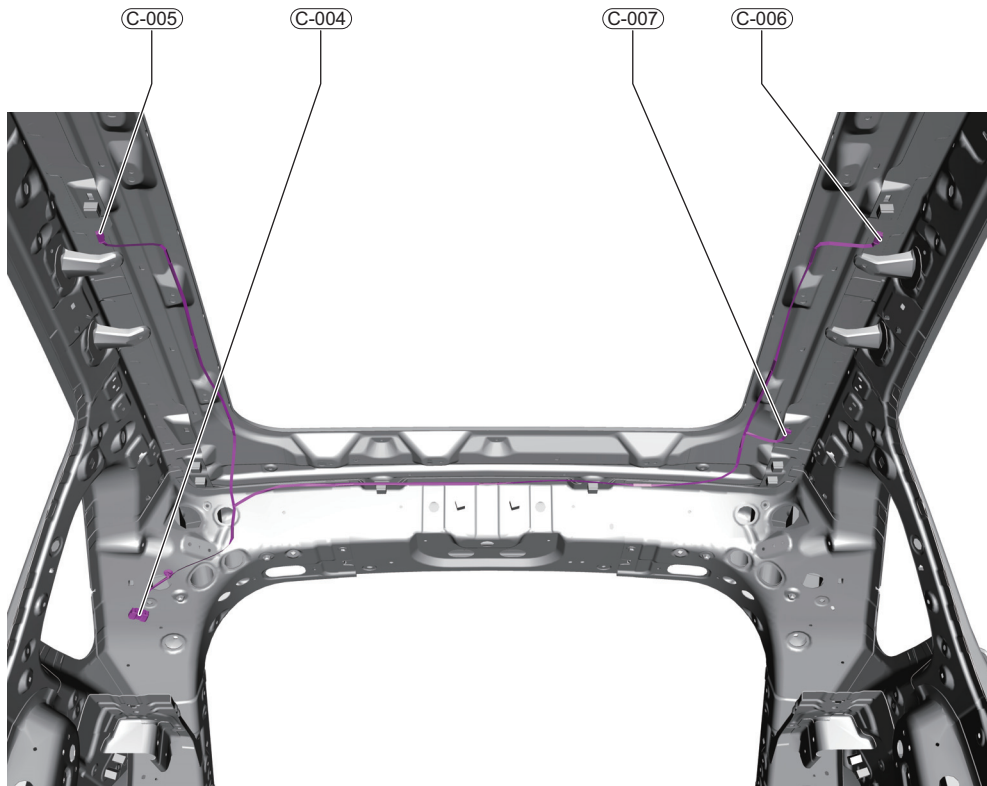
Mix Damper Motor RH



(K-017)
B

Mix Damper Motor LH

Roof Wire Harness

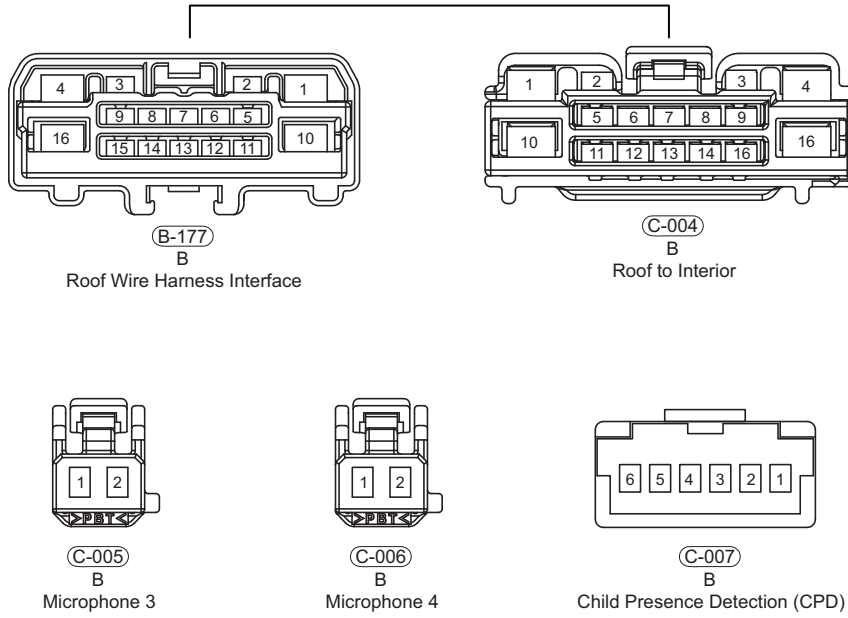


WHE043001

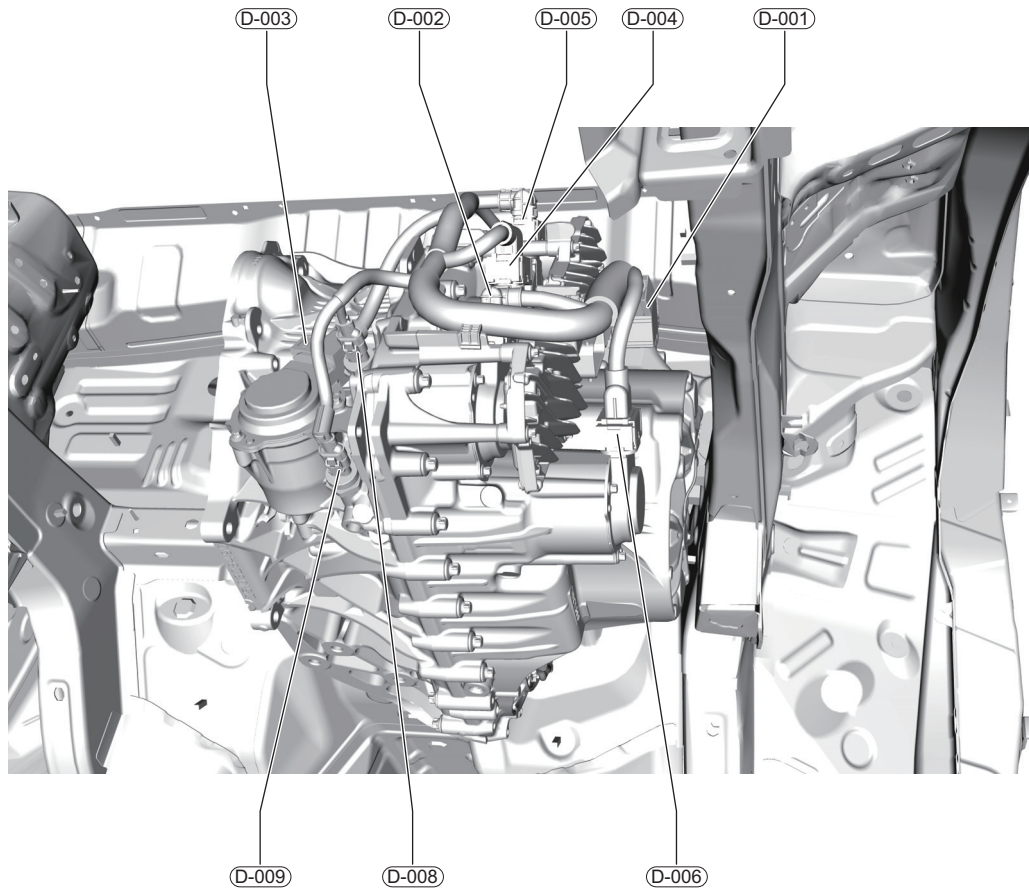
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--------------------------------|
| C-004 | B/16 | Roof to Interior B-177 |
| C-005 | B/2 | Microphone 3 |
| C-006 | B/2 | Microphone 4 |
| C-007 | B/6 | Child Presence Detection (CPD) |

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Roof Wire Harness Connector List



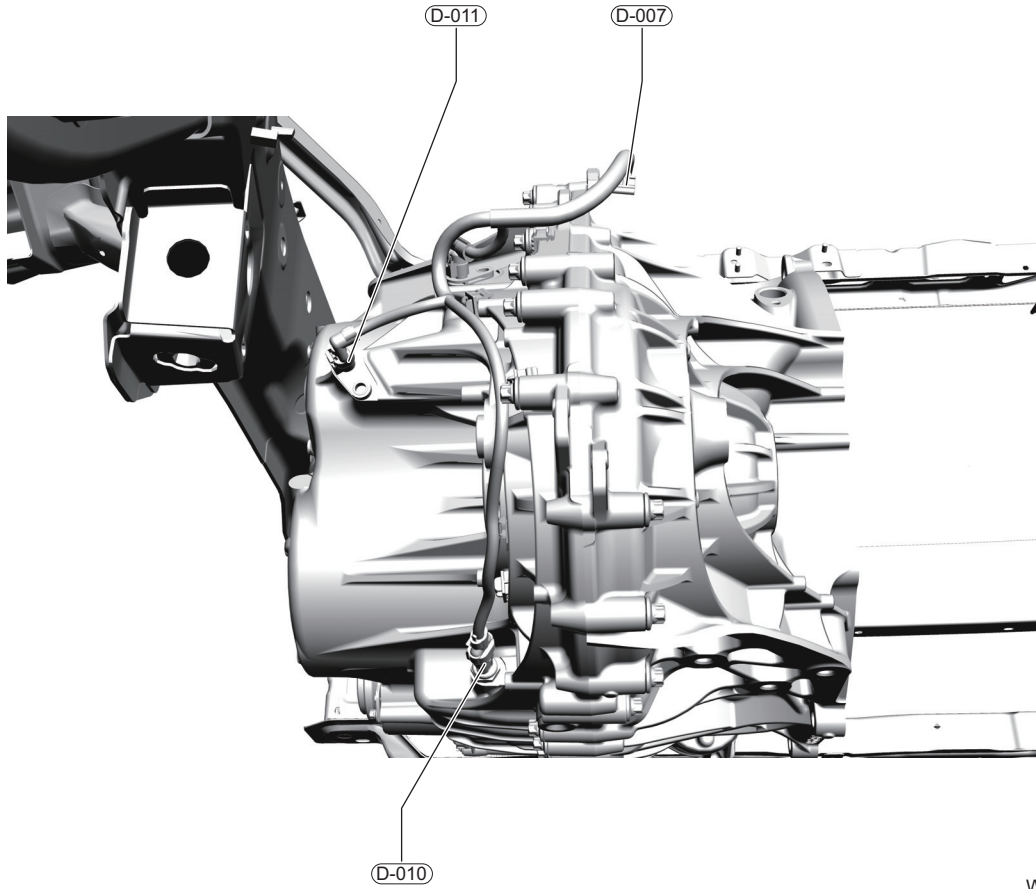
Transmission Wire Harness



WHE044001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| D-001 | B/67 | Transmission Control Module (TCU-B-DCT4) |
| D-002 | B/9 | Clutch Motor 2 |
| D-003 | B/9 | Clutch Motor 1 |
| D-004 | B/9 | Shift Motor 1 |
| D-005 | B/9 | Shift Motor 2 |
| D-006 | B/9 | Cooling Motor |
| D-008 | B/3 | Pressure Sensor 2 |
| D-009 | B/3 | Pressure Sensor 1 |

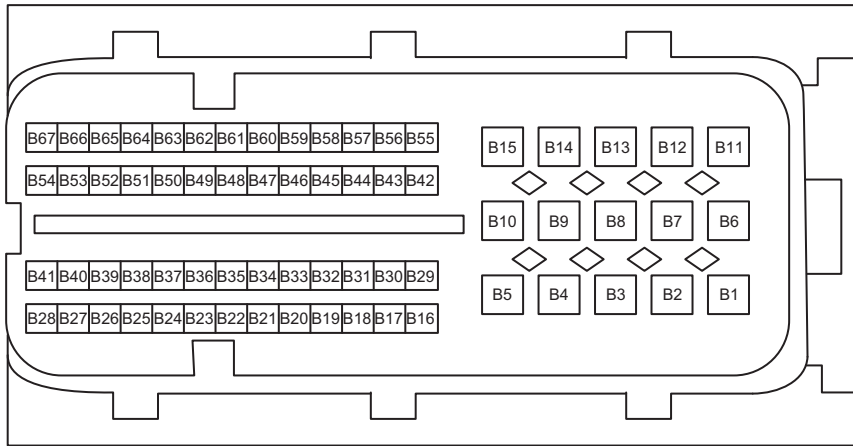
10



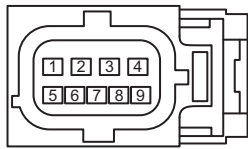
WHE045001

| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|----------------------------|
| D-007 | B/2 | Temperature Sensor |
| D-010 | B/2 | Input Shaft Speed Sensor 2 |
| D-011 | B/2 | Input Shaft Speed Sensor 1 |

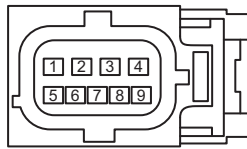
Transmission Wire Harness Connector List



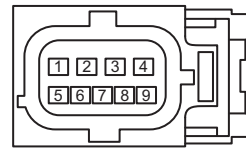
(D-001)
B
TCU-B(7DCT)



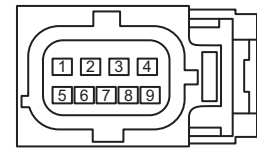
(D-002)
B
Clutch Motor 2



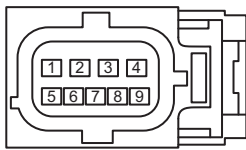
(D-003)
B
Clutch Motor 1



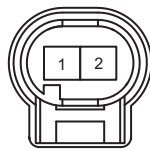
(D-004)
B
Shift Motor 1



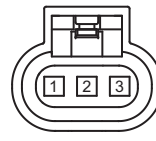
(D-005)
B
Shift Motor 2



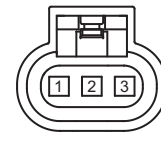
(D-006)
B
Cooling Motor



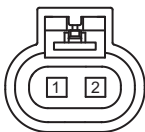
(D-007)
B
Temp Sensor



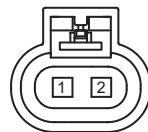
(D-008)
B
Pressure Sensor 2



(D-009)
B
Pressure Sensor 1

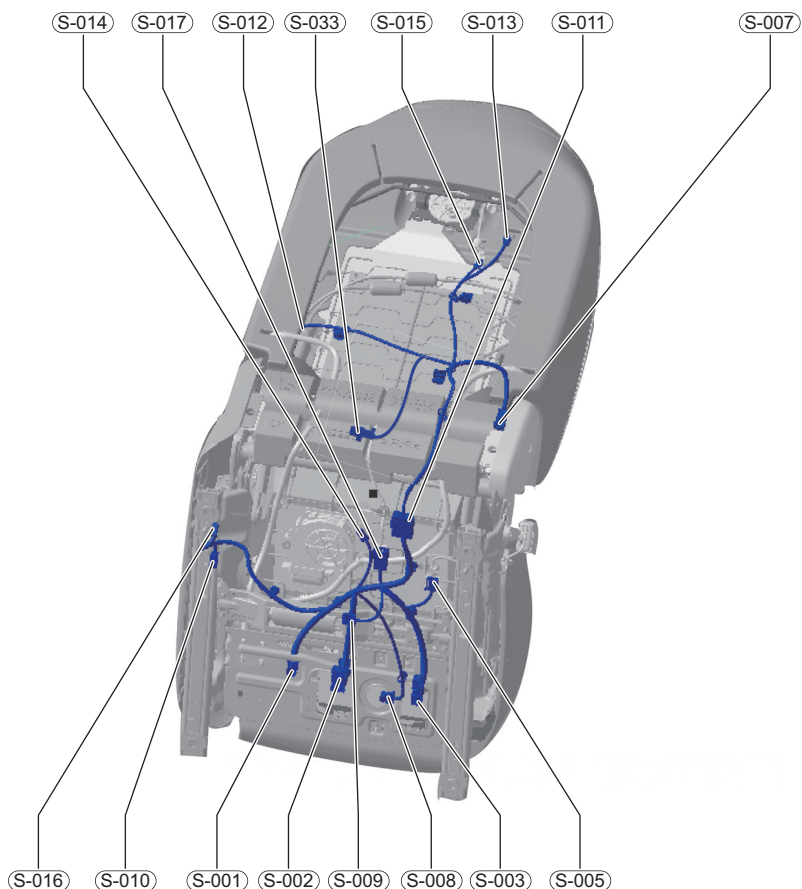


(D-010)
B
Input Shaft Speed Sensor 2



(D-011)
B
Input Shaft Speed Sensor 1

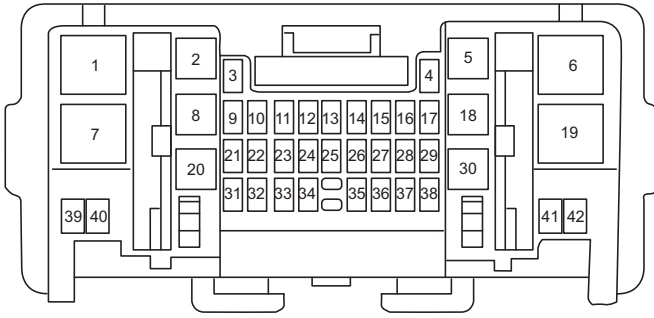
Driver Seat Wire Harness



WHE046001

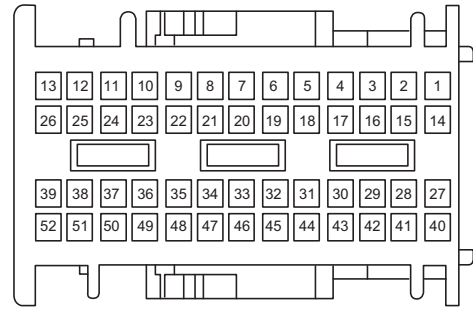
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|---|
| S-001 | B/42 | Connector Between Driver Seat and Body Wire Harness |
| S-002 | B/52 | Comfort/Exalted Driver Seat Controller - 1 |
| S-003 | W/20 | Comfort/Exalted Driver Seat Controller - 2 |
| S-005 | W/2 | Driver Seat Belt Buckle |
| S-007 | W/4 | Driver Seatback Motor |
| S-008 | W/4 | Driver Regulator Motor |
| S-009 | W/5 | Driver Horizontal Motor |
| S-010 | W/6 | Lumbar Support Switch |
| S-011 | W/20 | Seatback Adapter |
| S-012 | W/6 | Pneumatic Lumbar Support |
| S-013 | W/4 | Headrest Audio |
| S-014 | W/3 | Driver Seat Ventilation |
| S-015 | W/3 | Driver Seatback Ventilation |
| S-016 | W/4 | Driver Leg Support Motor |
| S-017 | W/4 | Driver Seat Heating Pad |
| S-033 | W/2 | Driver Seatback Heating |

Driver Seat Wire Harness Connector List



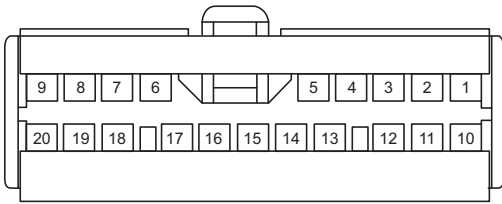
(S-001)
B

Connector Between Driver Seat and Body Wire Harness



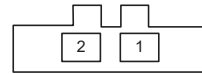
(S-002)
B

Comfort/Exalted Driver Seat Controller - 1



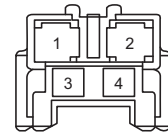
(S-003)
W

Comfort/Exalted Driver Seat Controller - 2



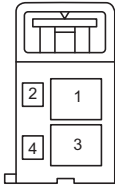
(S-005)
W

Driver Seat Belt Buckle



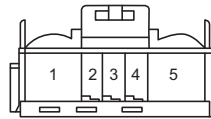
(S-007)
W

Driver Seatback Motor



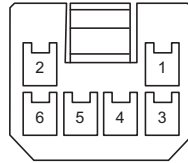
(S-008)
W

Driver Regulator Motor



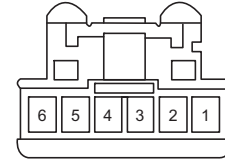
(S-009)
W

Driver Horizontal Motor



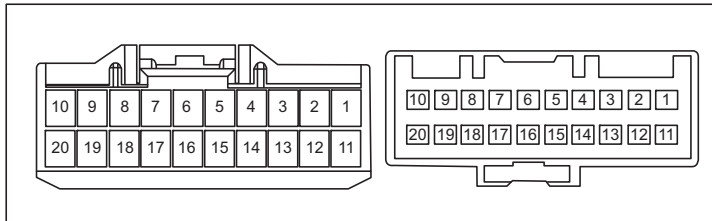
(S-010)
W

Lumbar Support SW



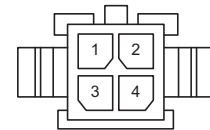
(S-012)
W

Pneumatic Lumbar Support



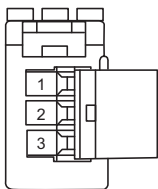
(S-011)
W

Seatback Adapter



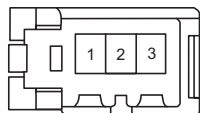
(S-013)
W

Headrest Audio



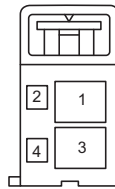
(S-014)
W

Driver Seat Ventilation



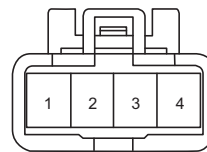
(S-015)
W

Driver seatback Ventilation



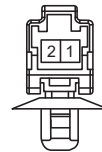
(S-016)
W

Driver Leg Support Motor



(S-017)
W

Driver Seat Heating pad

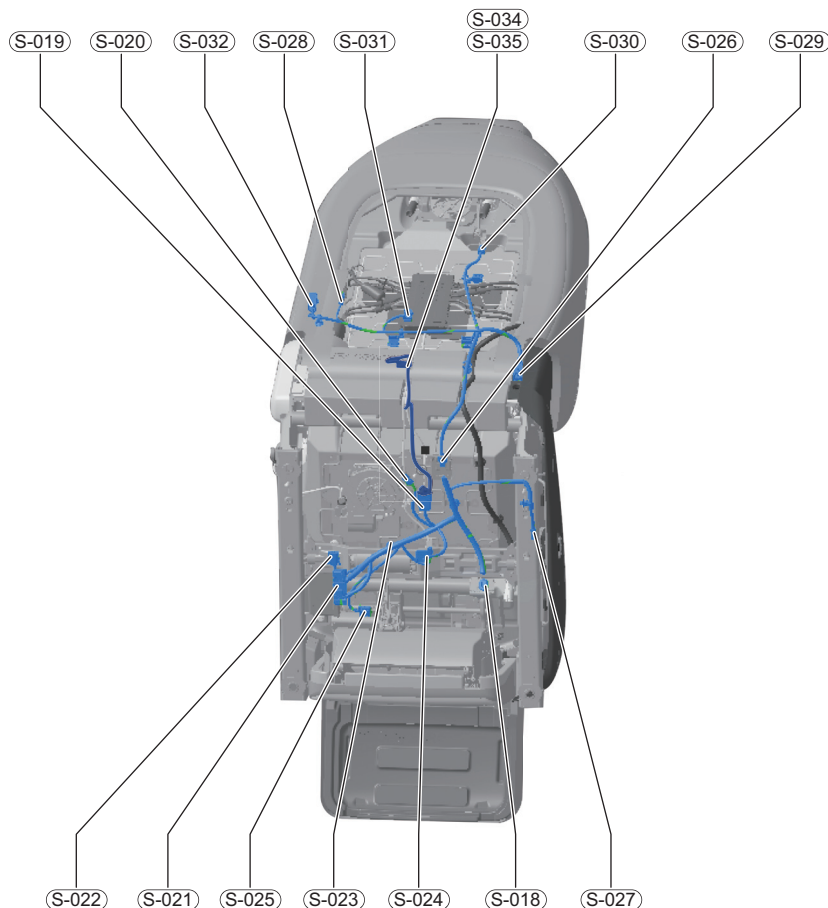


(S-033)
B

Driver Seatback Heating

EPU030001

Front Passenger Seat Wire Harness



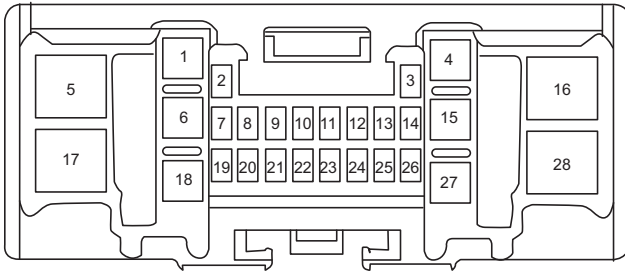
WHE047001

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| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| S-018 | B/28 | Connector Between Front Passenger Seat and Body Wire Harness |
| S-019 | W/4 | Front Passenger Seat Heater |
| S-020 | W/3 | Front Passenger Seat Ventilation |
| S-021 | W/24 | Front Passenger Seat Controller |
| S-022 | W/2 | Front Passenger Seat Belt Buckle |
| S-023 | W/2 | Front Passenger SBR |
| S-024 | W/5 | Front Passenger Horizontal Motor |
| S-025 | W/4 | Front Passenger Leg Support Motor |
| S-026 | W/10 | Front Passenger Seatback Adapter (Comfort) |
| S-026 | W/16 | Front Passenger Seatback Adapter (Exalted) |
| S-027 | W/4 | Massage Switch |
| S-028 | W/10 | Boss Button Switch |
| S-029 | W/4 | Front Passenger Seatback Motor |
| S-030 | W/3 | Front Passenger Seatback Ventilation |
| S-031 | W/12 | Massage ECU |

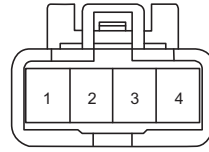
| Connector Number | Connector Color/Pin | Connector Name |
|------------------|---------------------|--|
| S-032 | W/2 | Massage Air Pump |
| S-034 | W/2 | Front Passenger Seatback Heating (Comfort) |
| S-035 | W/2 | Front Passenger Seatback Heating (Exalted) |

Front Passenger Seat Wire Harness Connector List



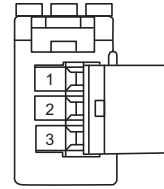
(S-018)
B

Connector Between Front Passenger Seat and Body Wire Harness



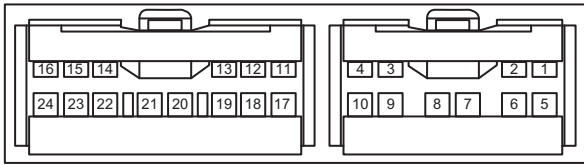
(S-019)
W

Front Passenger Seat Heater



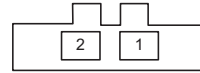
(S-020)
W

Front Passenger Seat Ventilation



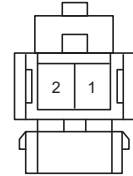
(S-021)
W

Front Passenger Seat Controller



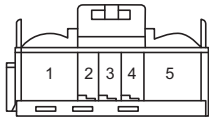
(S-022)
W

Front Passenger Seat Belt Buckle



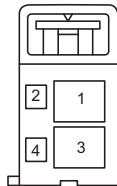
(S-023)
W

Front Passenger SBR



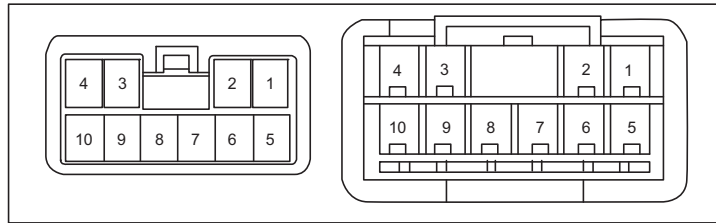
(S-024)
W

Front Passenger Horizontal Motor



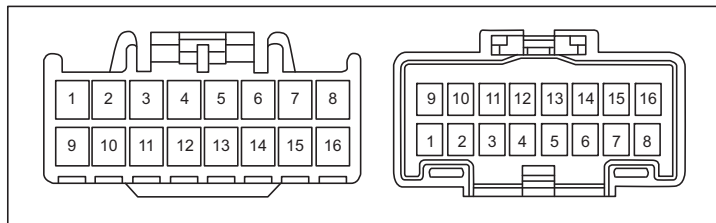
(S-025)
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Front Passenger Leg Support Motor



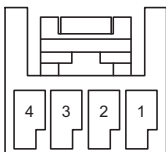
(S-026)
W

Front Passenger Seatback Adapter (Comfort)



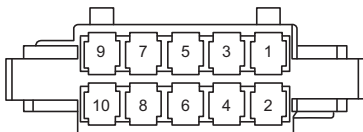
(S-026)
W

Front Passenger Seatback Adapter (Exalted)



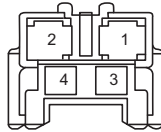
(S-027)
W

Massage SW



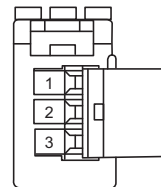
(S-028)
W

Boss Button SW



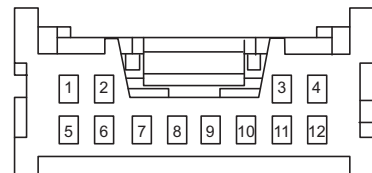
(S-029)
W

Front Passenger Seatback Motor



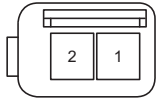
(S-030)
W

Front Passenger Seatback Ventilation

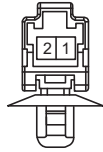


(S-031)
W

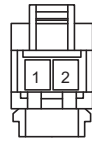
Massage ECU



(S-032)
W
Message Air Pump



(S-034)
W
Front Passenger
Seatback
Heating (Comfort)



(S-035)
W
Front Passenger
Seatback
Heating (Exalted)

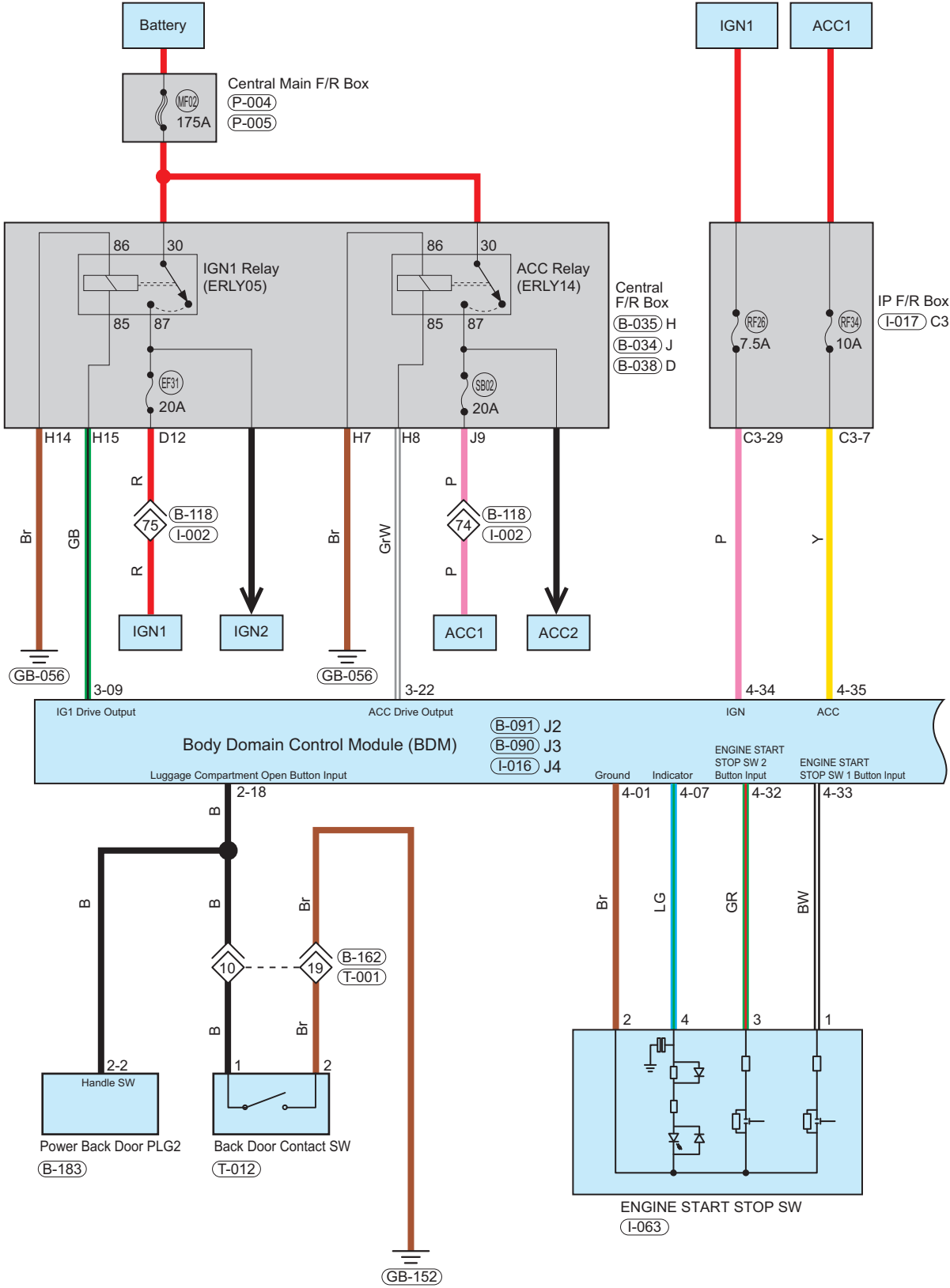
System Circuit Diagram

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).

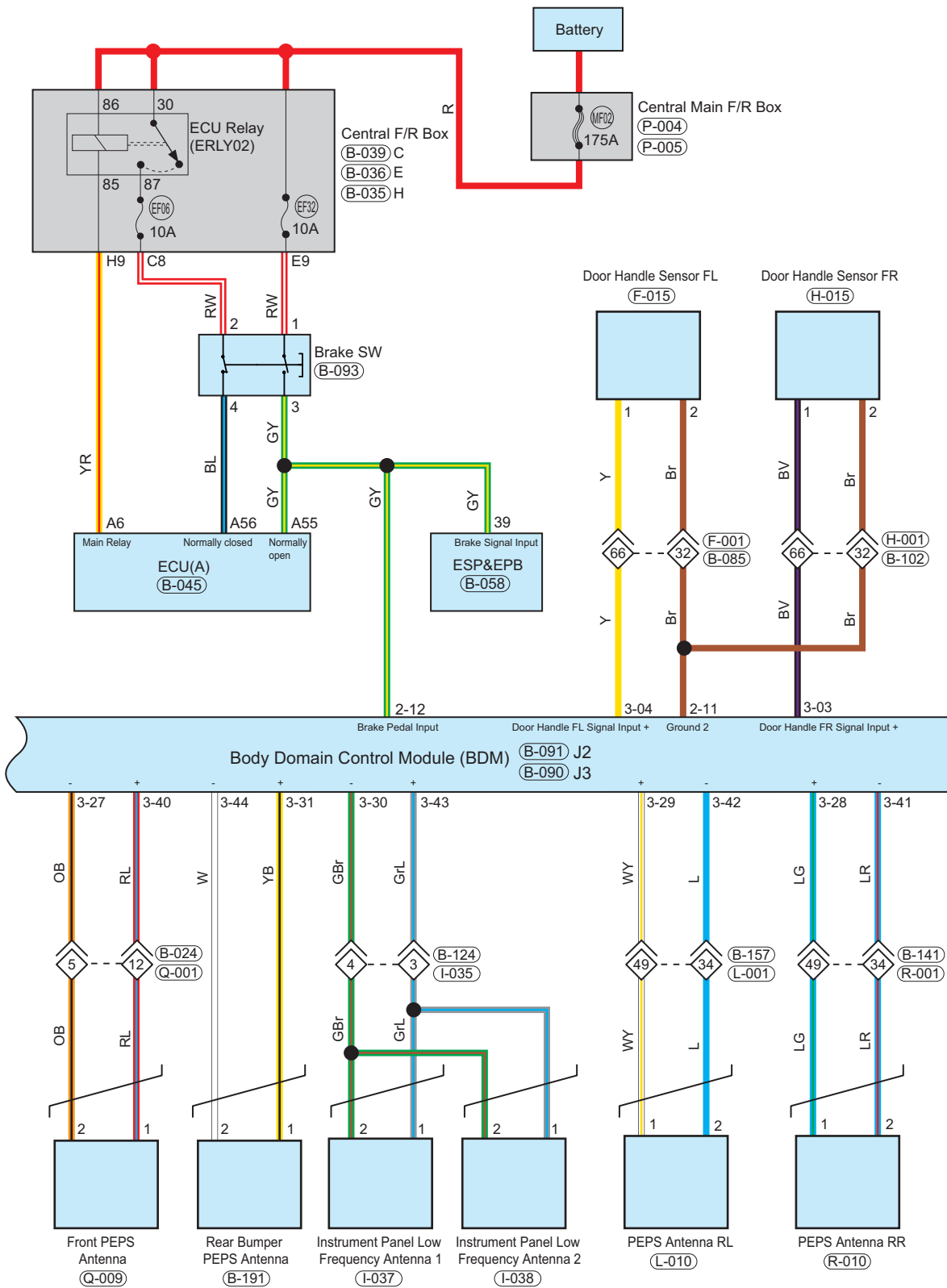
After understanding the circuit operation, troubleshoot the malfunction circuit to find out the cause, then use the "Wire Harness Position Diagram" to find each wire harness, wire harness connector and ground point of the relevant circuit. For specifications or detailed removal and installation procedures,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

Passive Entry & Passive Start (PEPS Integrated BDM)



PEE001001

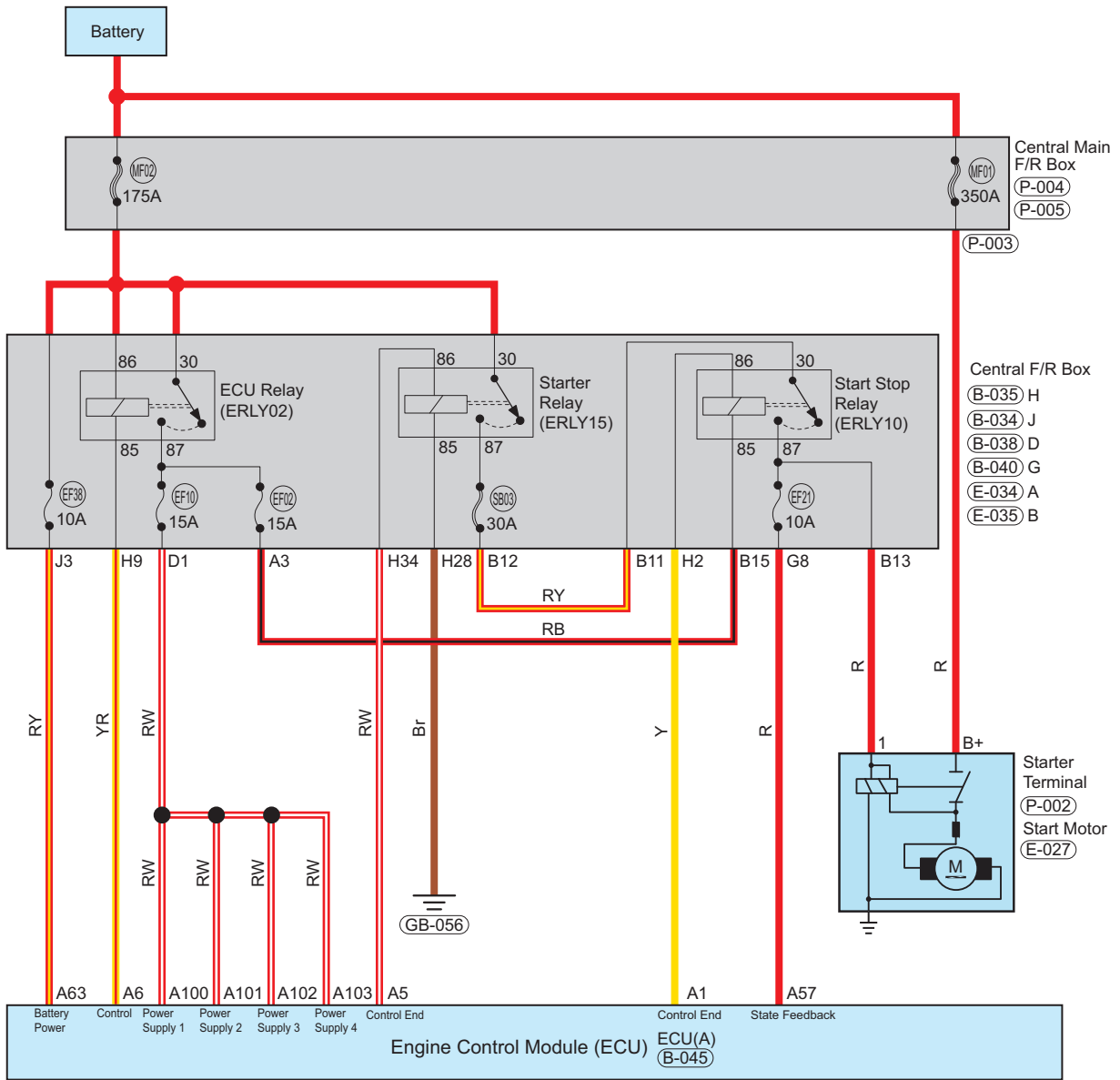
Passive Entry & Passive Start (PEPS Integrated BDM)



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PEE002001

Passive Entry & Passive Start (PEPS Integrated BDM)

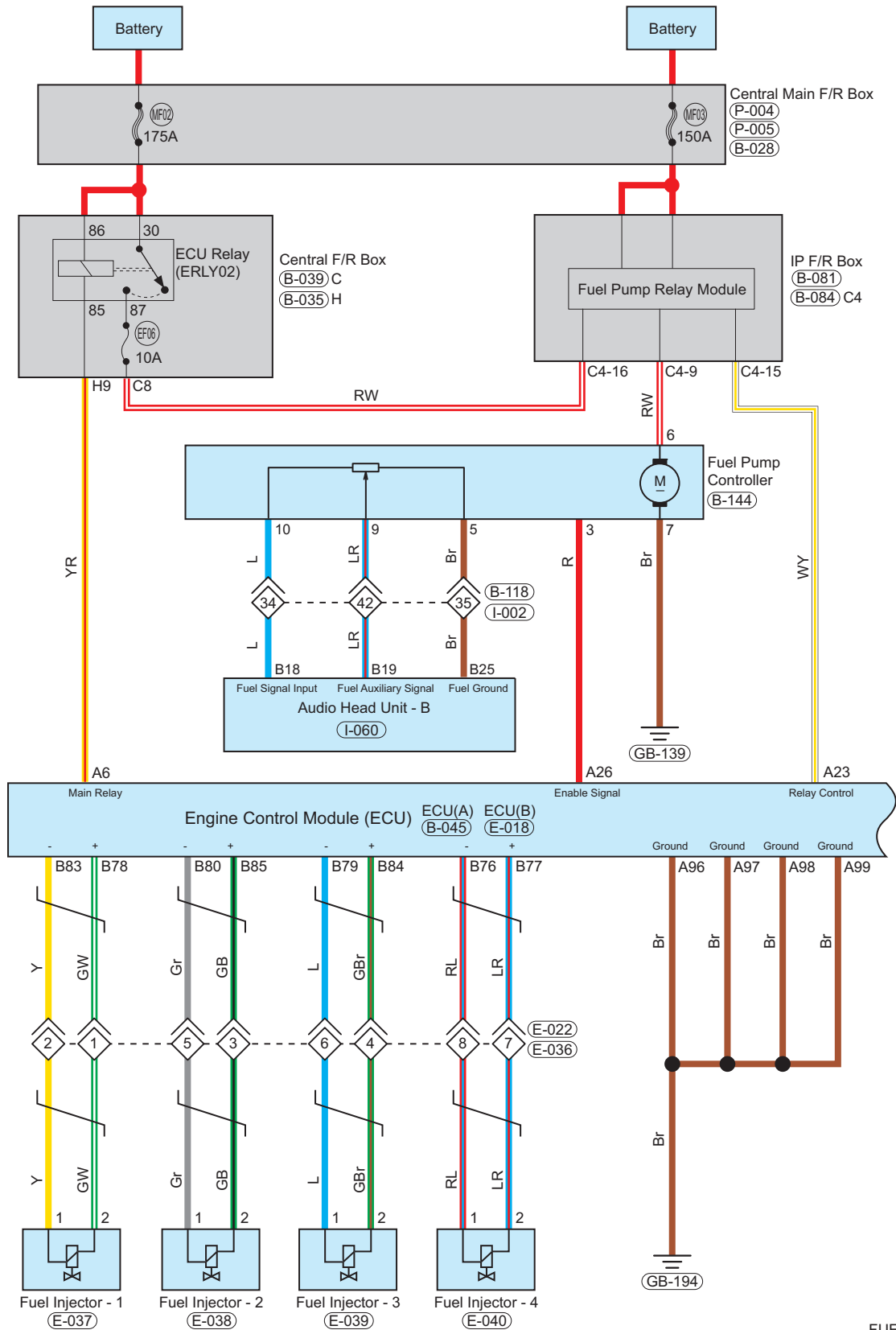


Passive Entry & Passive Start (PEPS)

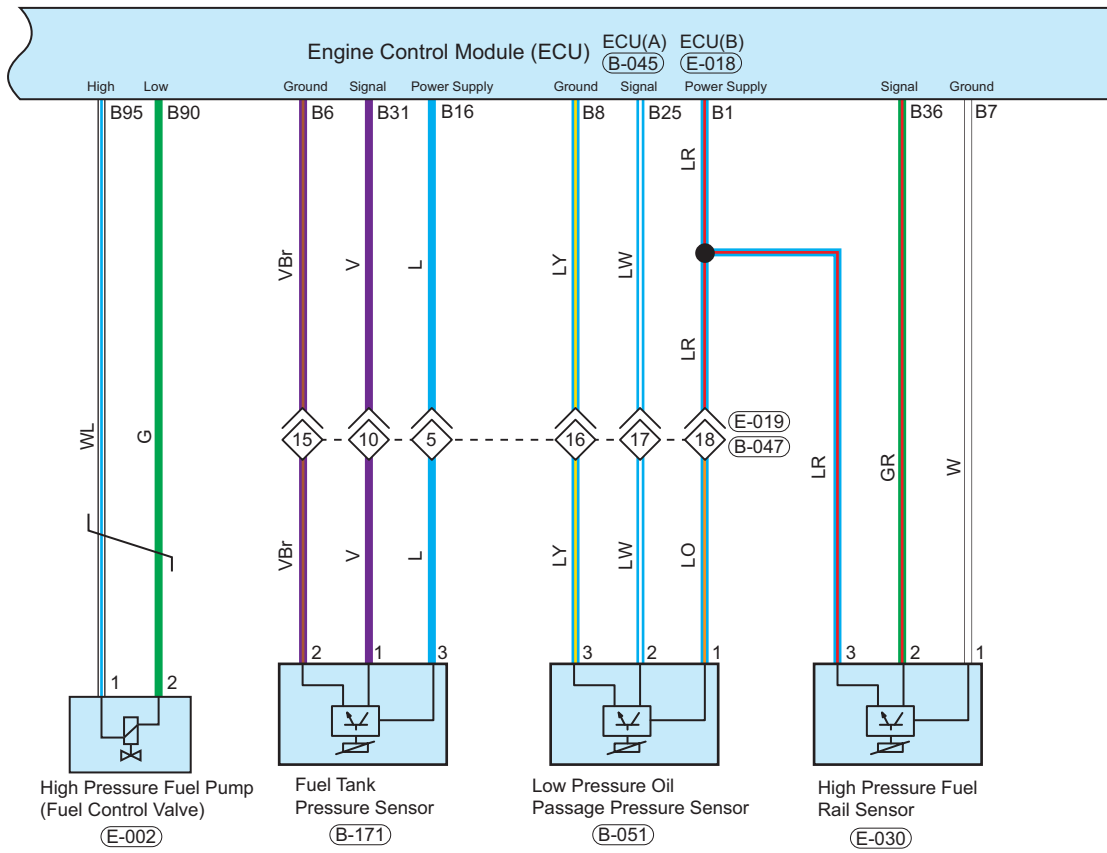
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-002 | Starter Terminal | 10-10 |
| P-003 | Central F/R Box - Generator | 10-10 |
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| E-027 | Start Motor | 10-6 |
| E-034 | Central F/R Box A | 10-6 |
| E-035 | Central F/R Box B | 10-6 |
| Q-001 | Front Bumper to Interior B-024 | 10-16 |
| Q-009 | Front PEPS Antenna | 10-16 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| I-035 | Instrument Panel to Interior Center B-124 | 10-90 |
| I-037 | Instrument Panel Low Frequency Antenna 1 | 10-91 |
| I-038 | Instrument Panel Low Frequency Antenna 2 | 10-91 |
| I-063 | ENGINE START STOP Switch | 10-92 |
| B-024 | Front Bumper Wire Harness Interface Q-001 | 10-62 |
| B-034 | Central F/R Box J | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-036 | Central F/R Box E | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-039 | Central F/R Box C | 10-63 |
| B-040 | Central F/R Box G | 10-63 |
| B-045 | ECU (A) | 10-63 |
| GB-056 | G603 | 10-64 |
| B-058 | Body Electronic Stability System Module - ESP&EPB | 10-64 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-093 | Brake Switch | 10-66 |

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-124 | Instrument Panel Wire Harness Interface - M I-035 | 10-68 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-152 | G608 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| B-162 | Rear Left Back Door Wire Harness Interface T-001 | 10-70 |
| B-183 | Power Back Door PLG2 | 10-71 |
| B-191 | Rear Bumper PEPS Antenna | 10-72 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-015 | Front Left Door Handle Sensor | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-015 | Front Right Door Handle Sensor | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-010 | Rear Left PEPS Antenna | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-010 | Rear Right PEPS Antenna | 10-104 |
| T-001 | Rear Left Back Door to Interior B-162 | 10-110 |
| T-012 | Back Door Contact Switch | 10-110 |

Engine Control System (EMS) Fuel Supply System



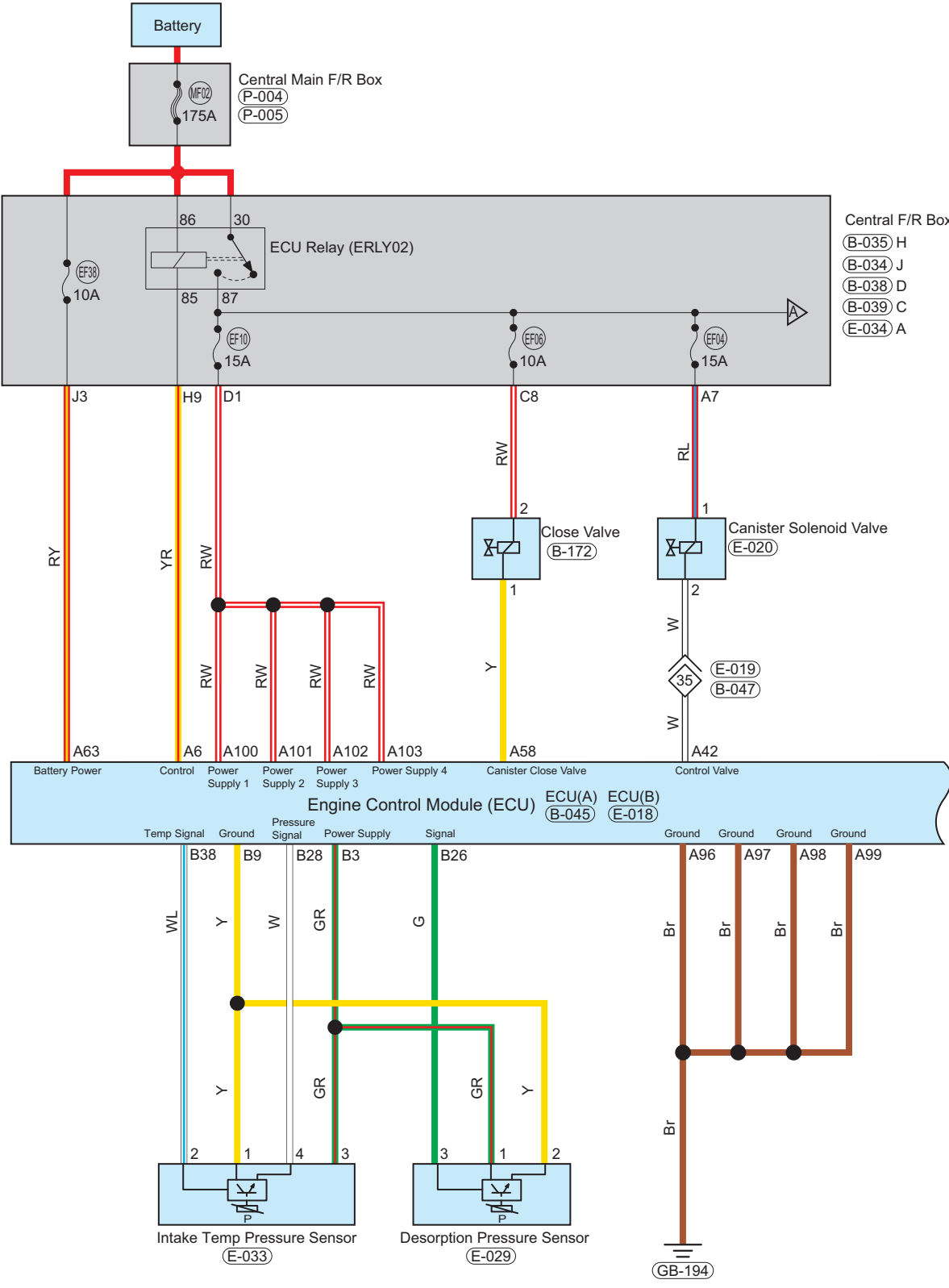
Fuel Supply System



Fuel Supply System

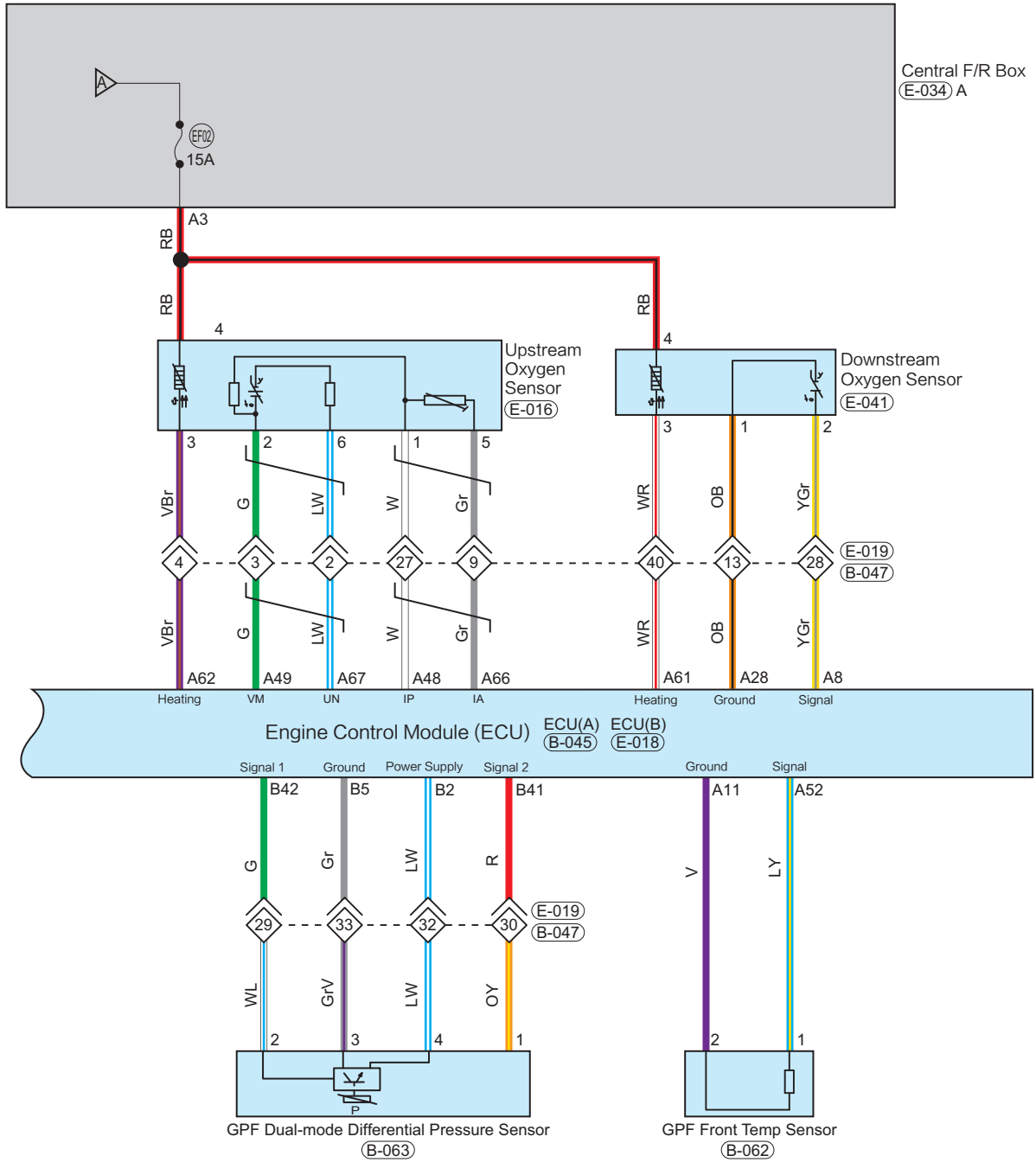
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| E-002 | High Pressure Fuel Pump (Fuel Control Valve) | 10-5 |
| E-018 | ECU (B) | 10-5 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| E-022 | Engine Wire Harness to Injection Nozzle Wire Harness Interface E-036 | 10-6 |
| E-030 | High Pressure Fuel Rail Sensor | 10-6 |
| E-036 | Fuel Injector Wire Harness to Engine Wire Harness Interface E-022 | 10-8 |
| E-037 | Fuel Injector - 1 | 10-8 |
| E-038 | Fuel Injector - 2 | 10-8 |
| E-039 | Fuel Injector - 3 | 10-8 |
| E-040 | Fuel Injector - 4 | 10-8 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-060 | Audio Head Unit - B | 10-92 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-039 | Central F/R Box C | 10-63 |
| B-045 | ECU (A) | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| B-051 | Low Pressure Oil Passage Pressure Sensor | 10-64 |
| B-081 | IEC-R | 10-65 |
| B-084 | Instrument Panel F/R Box C4 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| GB-139 | G607-2 | 10-69 |
| B-144 | Fuel Pump Controller | 10-70 |
| B-171 | Fuel Tank Pressure Sensor | 10-71 |
| GB-194 | G618 | 10-72 |

Emission Control System



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Emission Control System



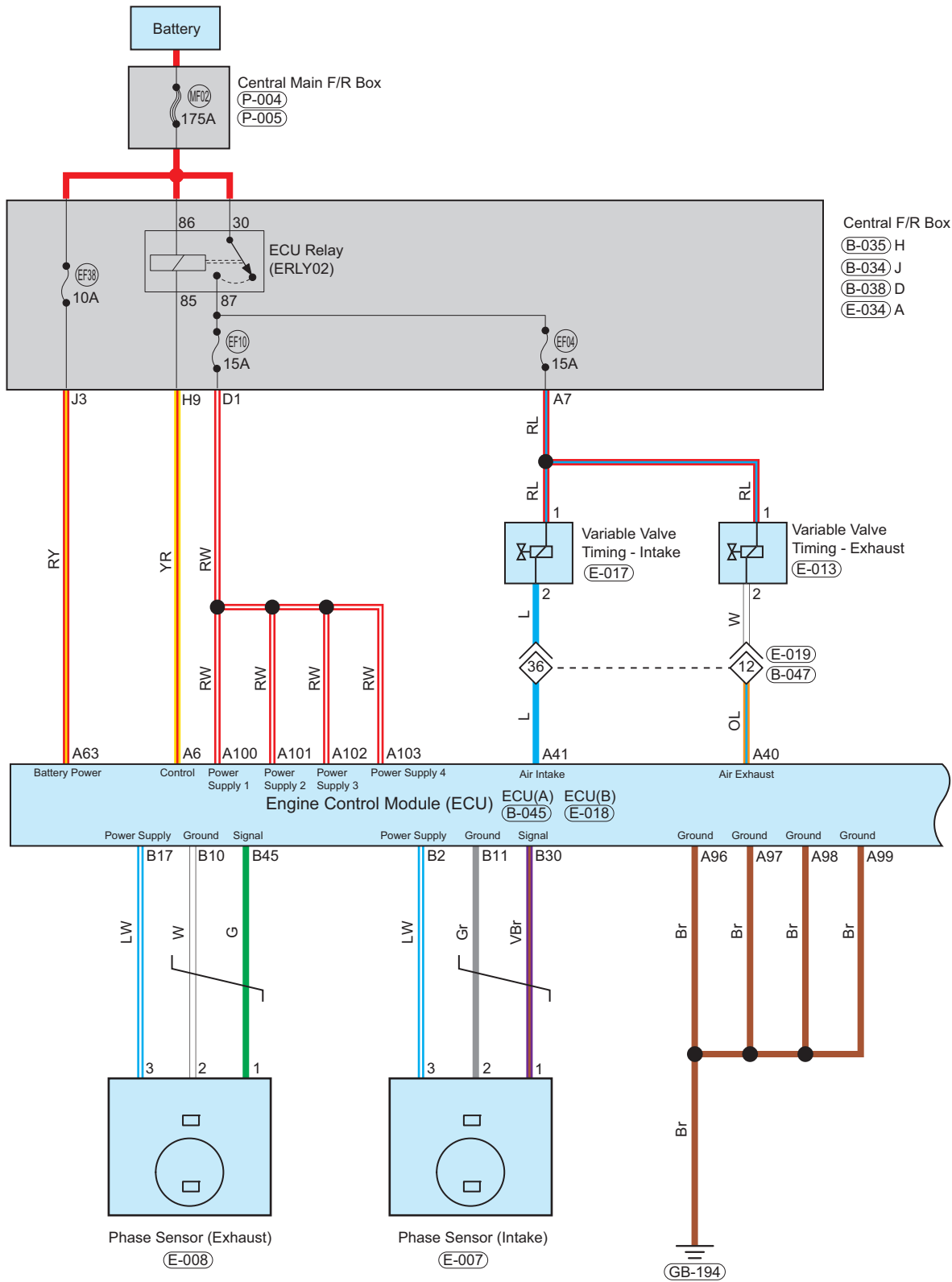
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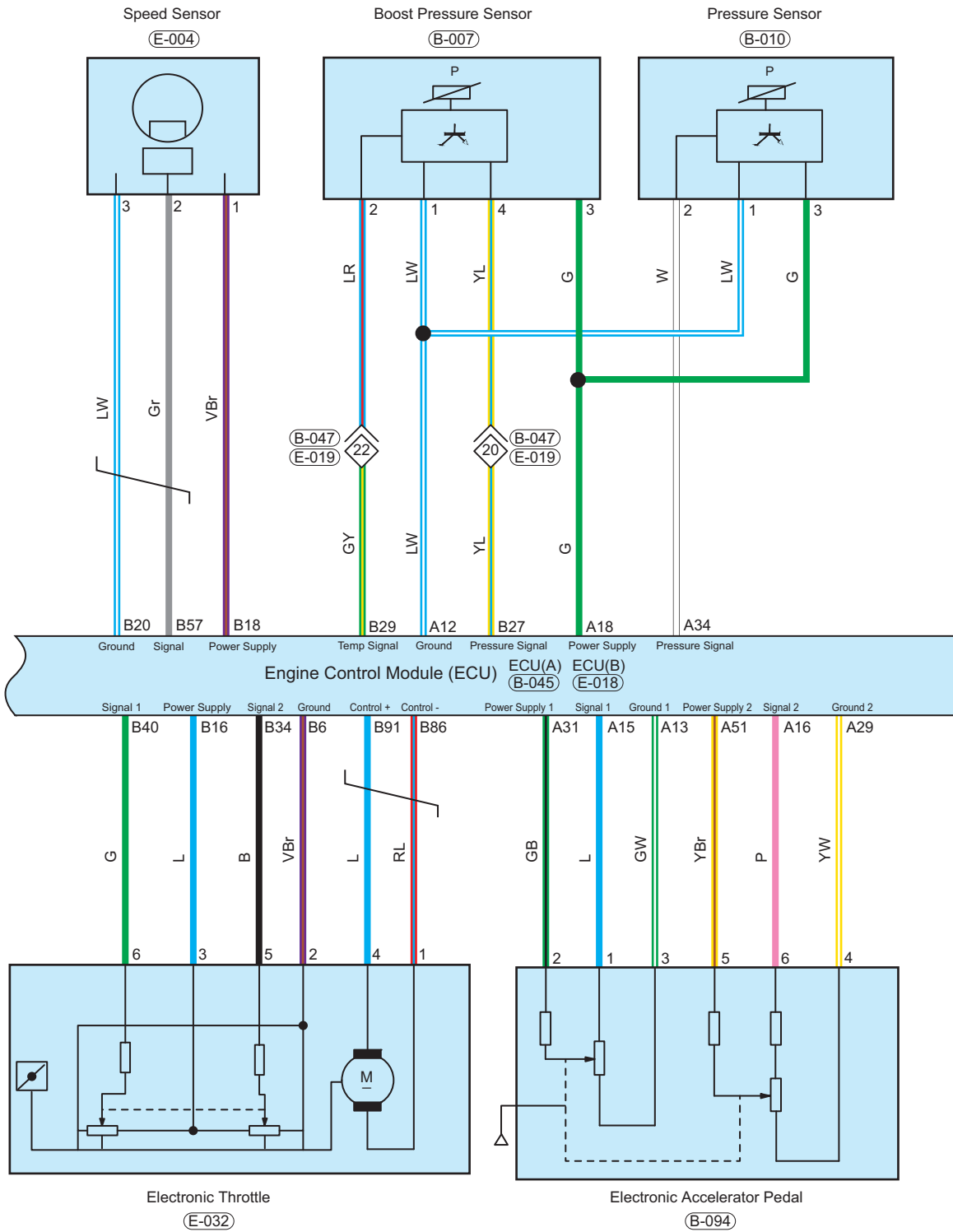
Emission Control System

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| E-016 | Upstream Oxygen Sensor | 10-5 |
| E-018 | ECU (B) | 10-5 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| E-020 | Canister Solenoid Valve | 10-5 |
| E-029 | Desorption Pressure Sensor | 10-6 |
| E-033 | Intake Temperature Pressure Sensor | 10-6 |
| E-034 | Central F/R Box A | 10-6 |
| E-041 | Rear Oxygen Sensor | 10-6 |
| B-034 | Central F/R Box J | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-039 | Central F/R Box C | 10-63 |
| B-045 | ECU (A) | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| B-062 | GPF Front Temperature Sensor | 10-64 |
| B-063 | GPF Dual-mode Differential Pressure Sensor | 10-64 |
| B-172 | Canister Close Valve | 10-71 |
| GB-194 | G618 | 10-72 |

Air Intake System



Air Intake System



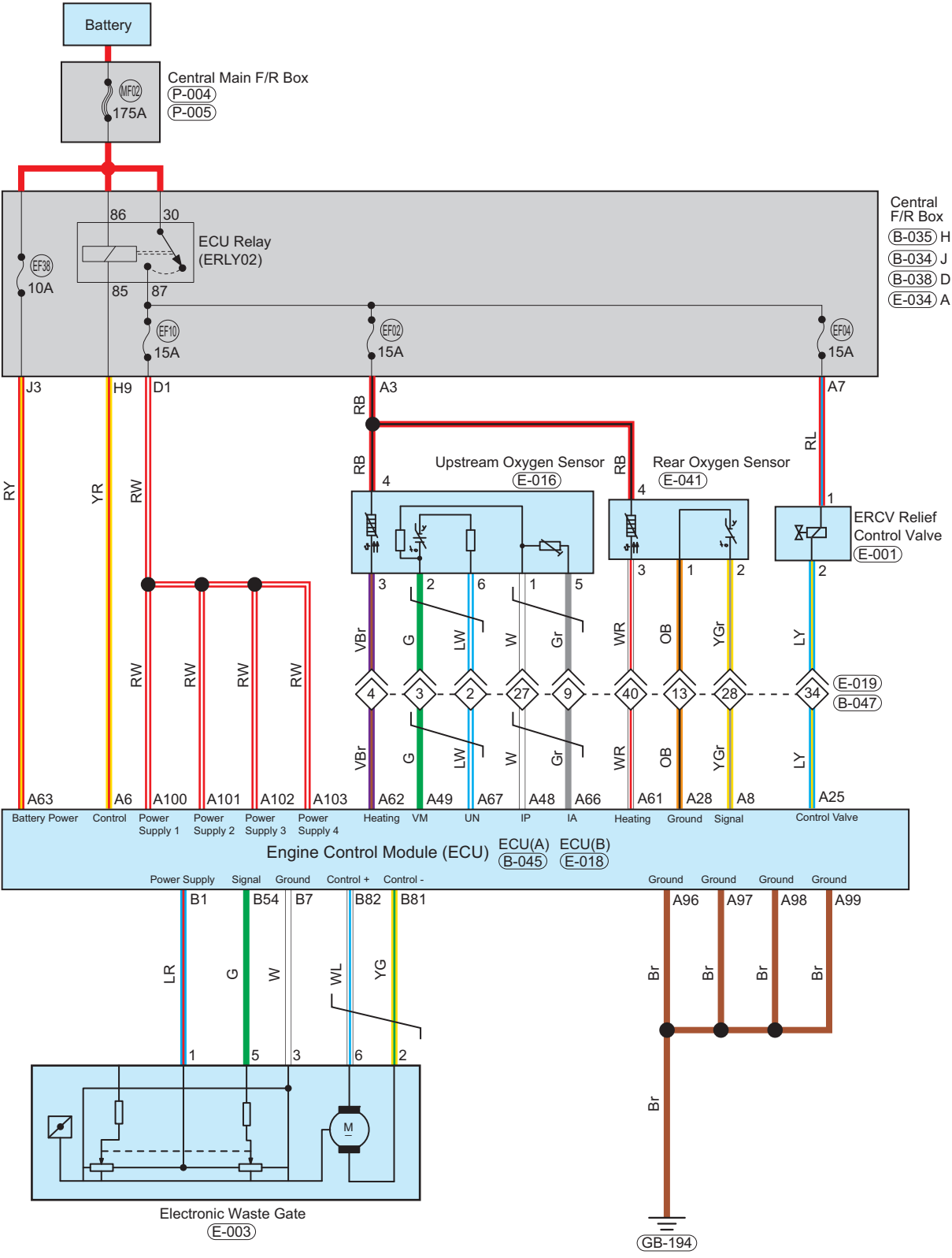
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ITE002001

Air Intake System

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| E-004 | Speed Sensor | 10-5 |
| E-007 | Phase Sensor (Intake) | 10-5 |
| E-008 | Phase Sensor (Exhaust) | 10-5 |
| E-013 | Variable Valve Timing - Exhaust | 10-5 |
| E-017 | Variable Valve Timing - Intake | 10-5 |
| E-018 | ECU (B) | 10-5 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| E-032 | Electronic Throttle | 10-6 |
| E-034 | Central F/R Box A | 10-6 |
| B-007 | Boost Pressure Sensor | 10-62 |
| B-010 | Pressure sensor | 10-62 |
| B-034 | Central F/R Box J | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-045 | ECU (A) | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| B-094 | Electronic Accelerator Pedal | 10-66 |
| GB-194 | G618 | 10-72 |

Air Exhaust System

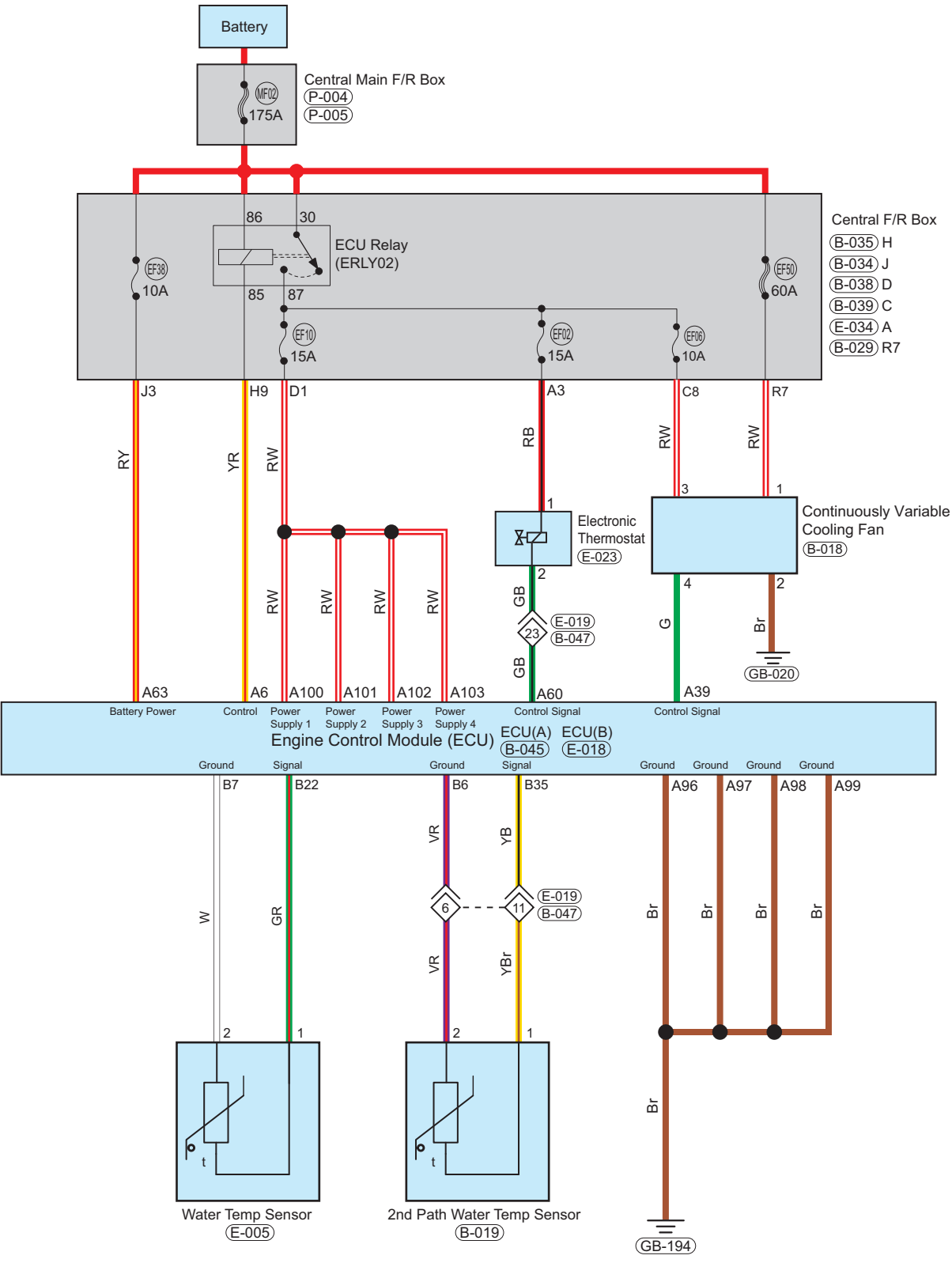


ITE004001

Air Exhaust System

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| E-001 | ERCV Relief Control Valve | 10-5 |
| E-003 | Electronic Waste Gate | 10-5 |
| E-016 | Upstream Oxygen Sensor | 10-5 |
| E-018 | ECU (B) | 10-5 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| E-034 | Central F/R Box A | 10-6 |
| E-041 | Rear Oxygen Sensor | 10-6 |
| B-034 | Central F/R Box J | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-045 | ECU (A) | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| GB-194 | G618 | 10-72 |

Cooling System

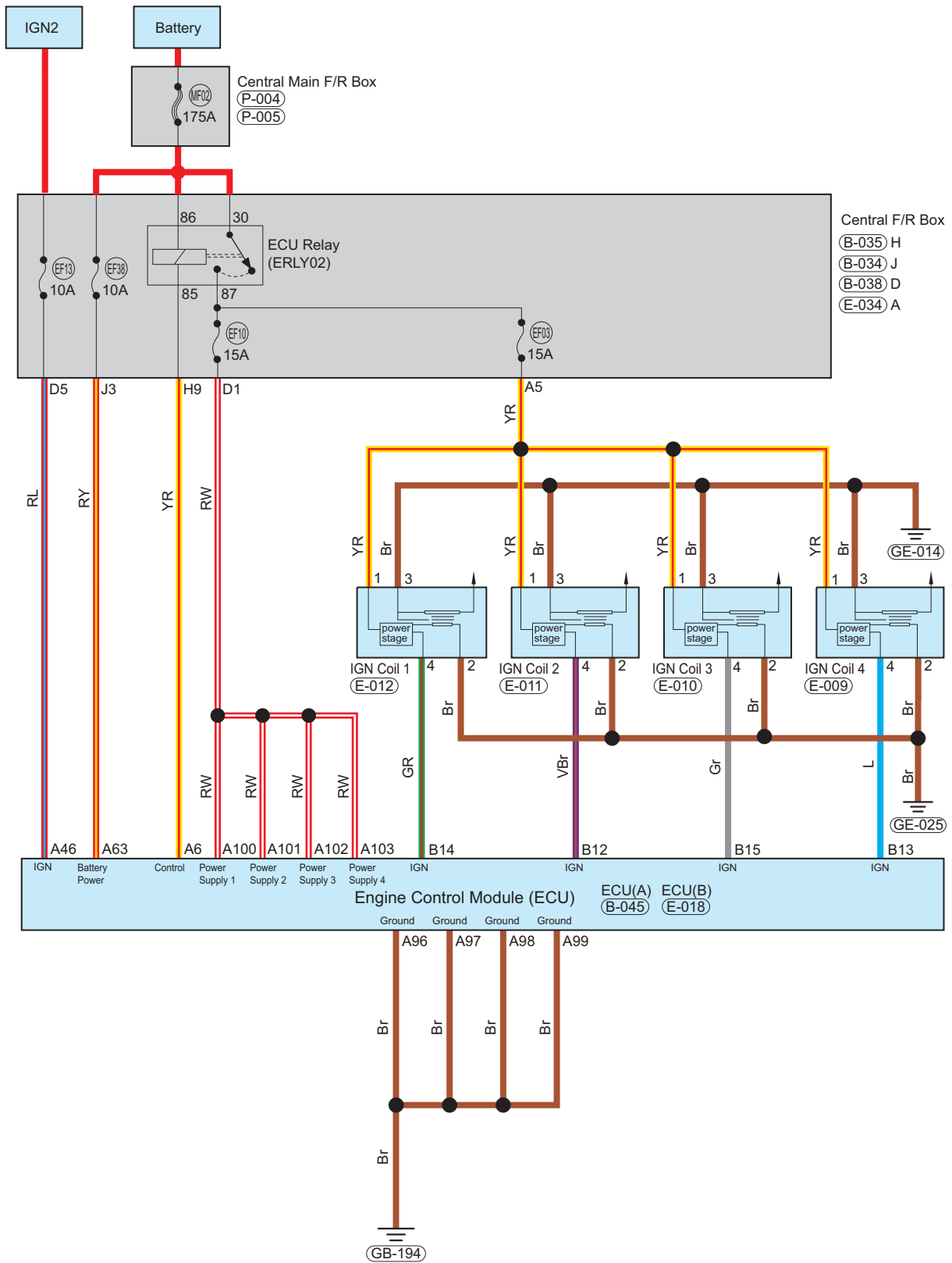


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Cooling System

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| E-005 | Water Temperature Sensor | 10-5 |
| E-018 | ECU (B) | 10-5 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| E-023 | Electronic Thermostat | 10-6 |
| E-034 | Central F/R Box A | 10-6 |
| B-018 | Continuously Variable Cooling Fan | 10-62 |
| B-019 | 2nd Path Water Temperature Sensor | 10-62 |
| GB-020 | G102 | 10-57 |
| B-029 | UEC-R-7 | 10-63 |
| B-034 | Central F/R Box J | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-039 | Central F/R Box C | 10-63 |
| B-045 | ECU (A) | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| GB-194 | G618 | 10-72 |

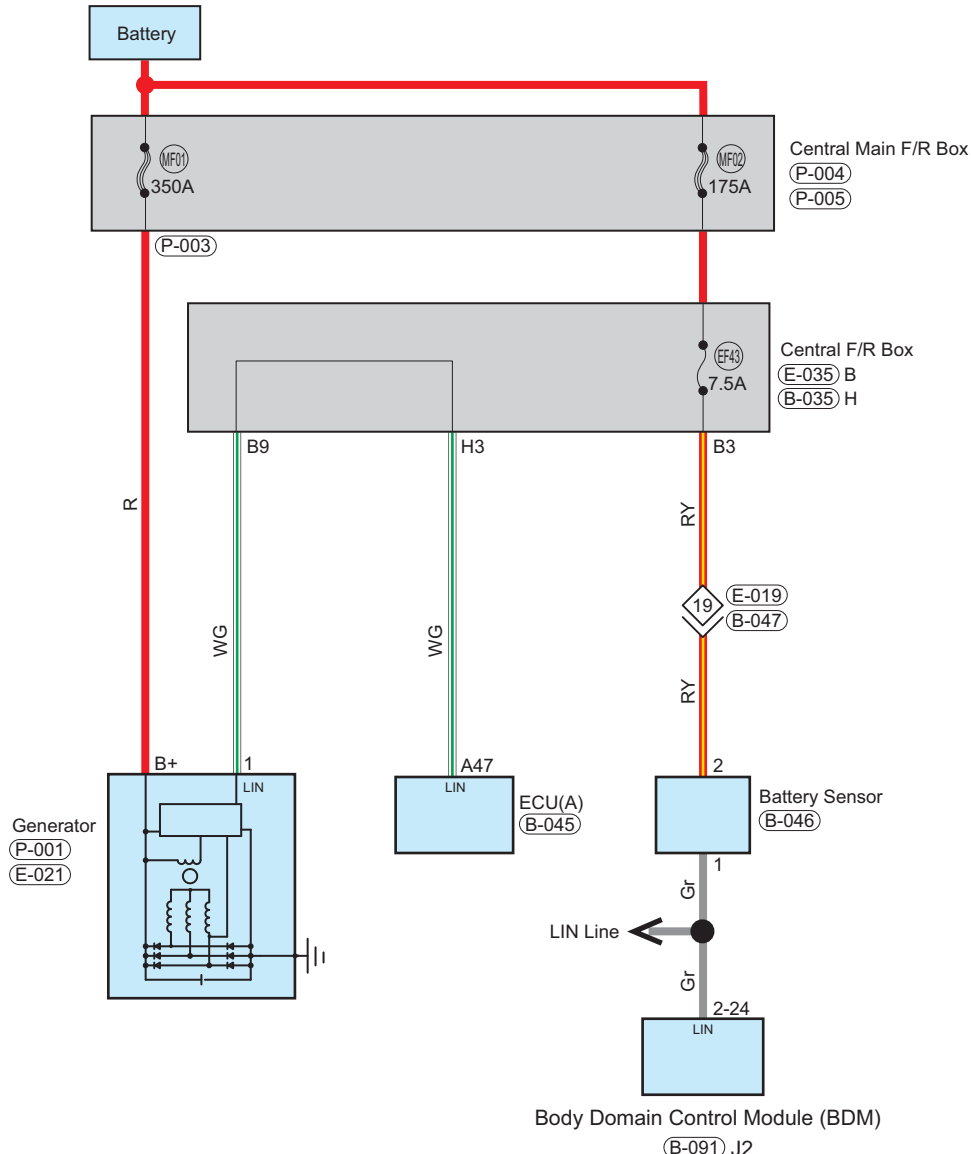
Ignition System



Ignition System

| Wire Harness Connector | Name | Page Number |
|------------------------|---------------------------|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| E-009 | Ignition Coil 4 | 10-5 |
| E-010 | Ignition Coil 3 | 10-5 |
| E-011 | Ignition Coil 2 | 10-5 |
| E-012 | Ignition Coil 1 | 10-5 |
| GE-014 | G401 | 10-5 |
| E-018 | ECU (B) | 10-5 |
| GE-025 | G402 | 10-6 |
| E-034 | Central F/R Box A | 10-6 |
| B-034 | Central F/R Box J | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-045 | ECU (A) | 10-63 |
| GB-194 | G618 | 10-72 |

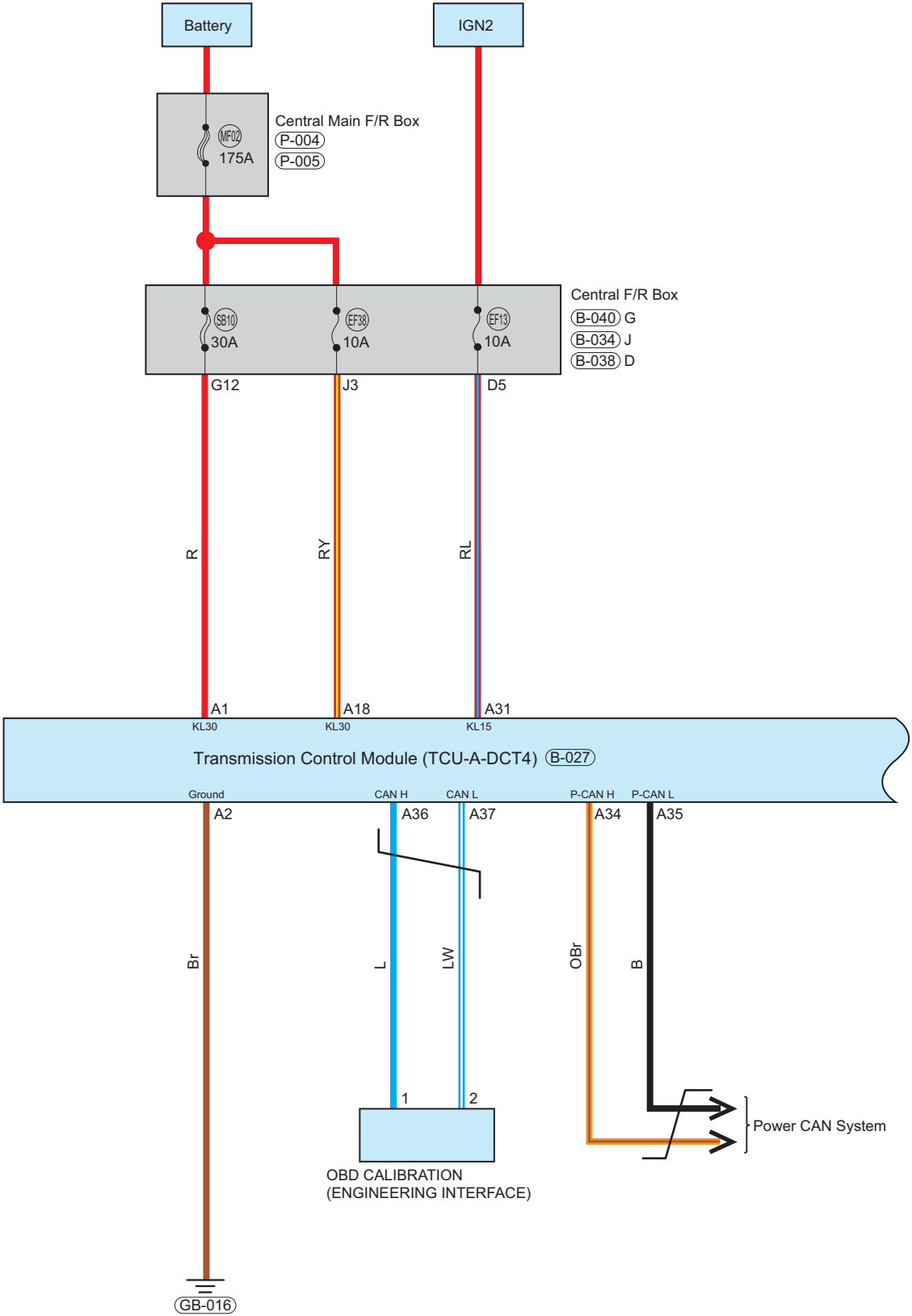
Charge System



Charge System

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-001 | Generator | 10-10 |
| P-003 | Central F/R Box - Generator | 10-10 |
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| E-021 | Intelligent Generator (M31T) | 10-5 |
| E-035 | Central F/R Box B | 10-6 |
| B-035 | Central F/R Box H | 10-63 |
| B-045 | ECU (A) | 10-63 |
| B-046 | Battery Sensor | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |

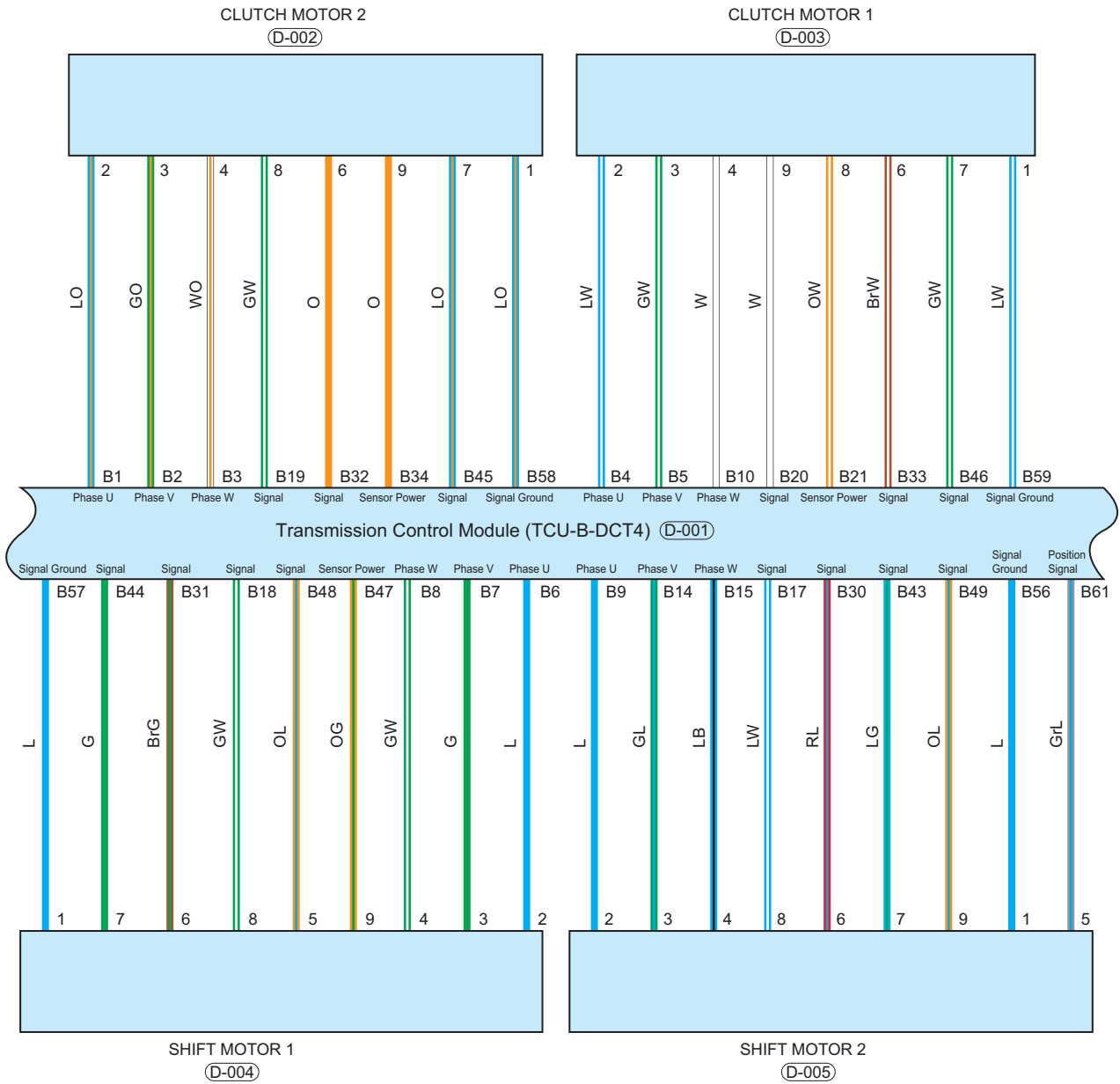
Transmission Control System (TCU)



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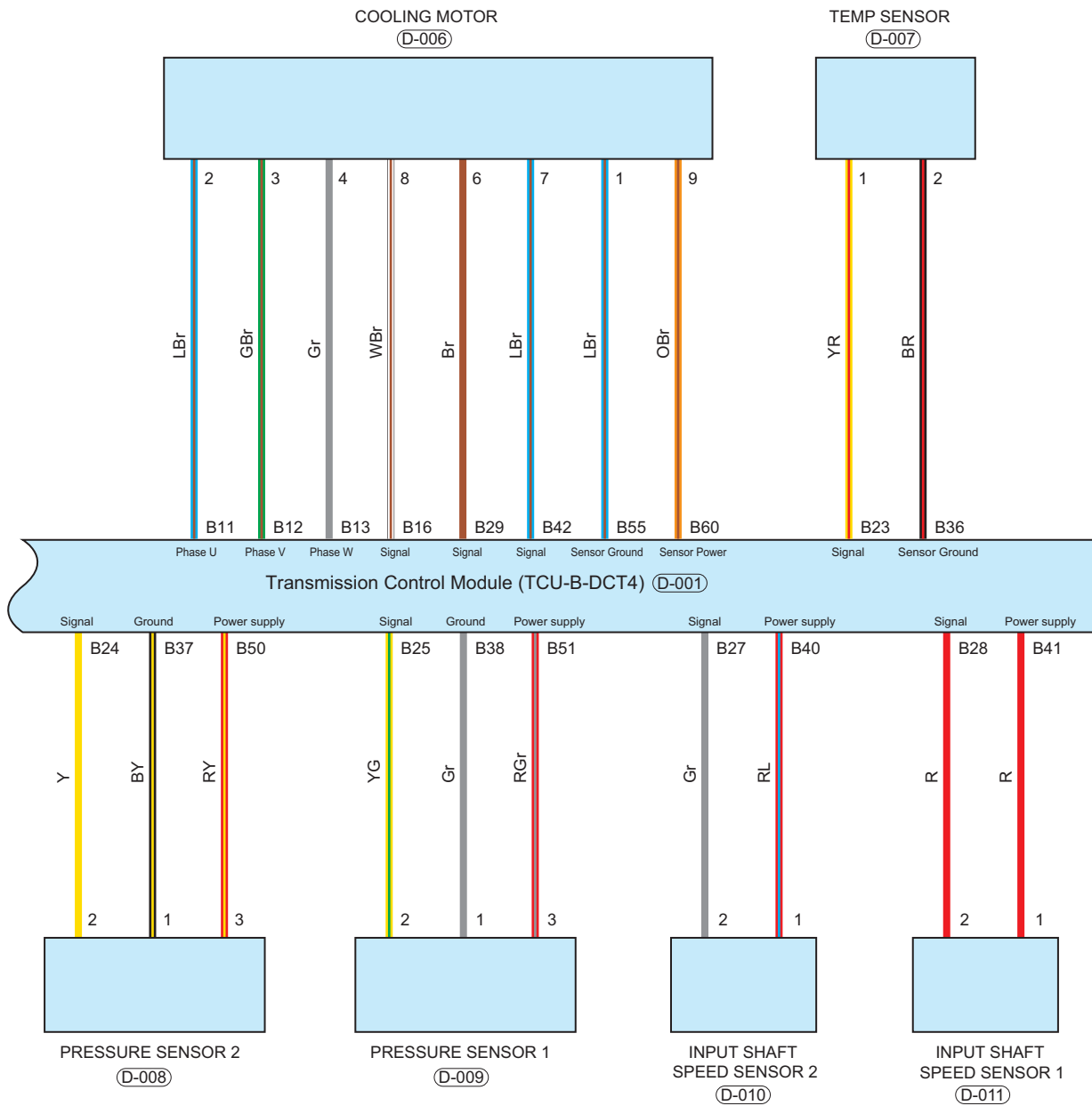
SAE001001

Transmission Control System (TCU)



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Transmission Control System (TCU)

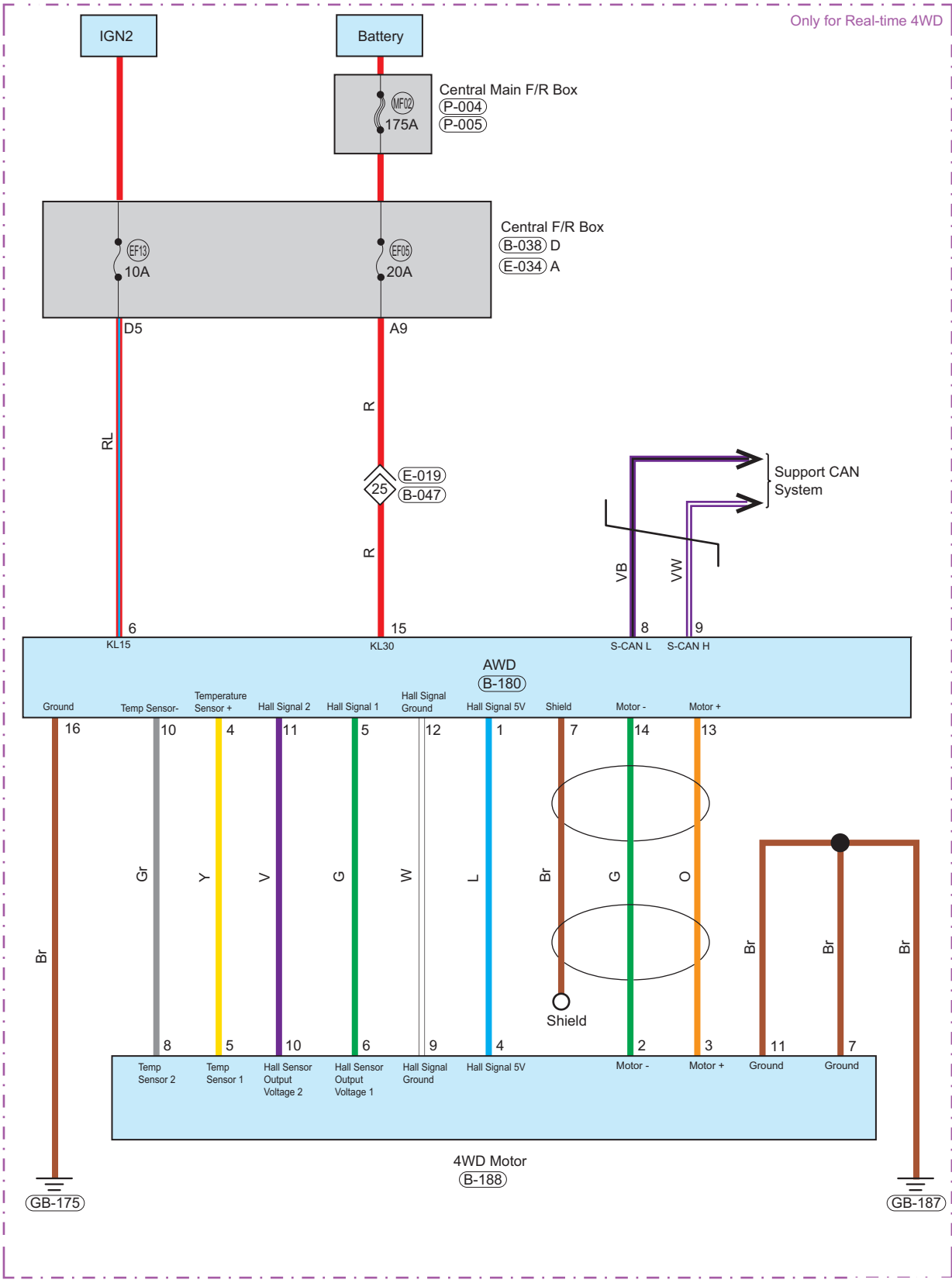


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Transmission Control System (TCU)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| GB-016 | G602 | 10-62 |
| B-027 | Transmission Control Module (TCU-A-DCT4) | 10-63 |
| B-034 | Central F/R Box J | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-040 | Central F/R Box G | 10-63 |
| D-001 | Transmission Control Module (TCU-B-DCT4) | 10-121 |
| D-002 | Clutch Motor 2 | 10-121 |
| D-003 | Clutch Motor 1 | 10-121 |
| D-004 | Shift Motor 1 | 10-121 |
| D-005 | Shift Motor 2 | 10-121 |
| D-006 | Cooling Motor | 10-121 |
| D-007 | Temperature Sensor | 10-121 |
| D-008 | Pressure Sensor 2 | 10-121 |
| D-009 | Pressure Sensor 1 | 10-121 |
| D-010 | Input Shaft Speed Sensor 2 | 10-121 |
| D-011 | Input Shaft Speed Sensor 1 | 10-121 |

Four-wheel Drive System (4WD)

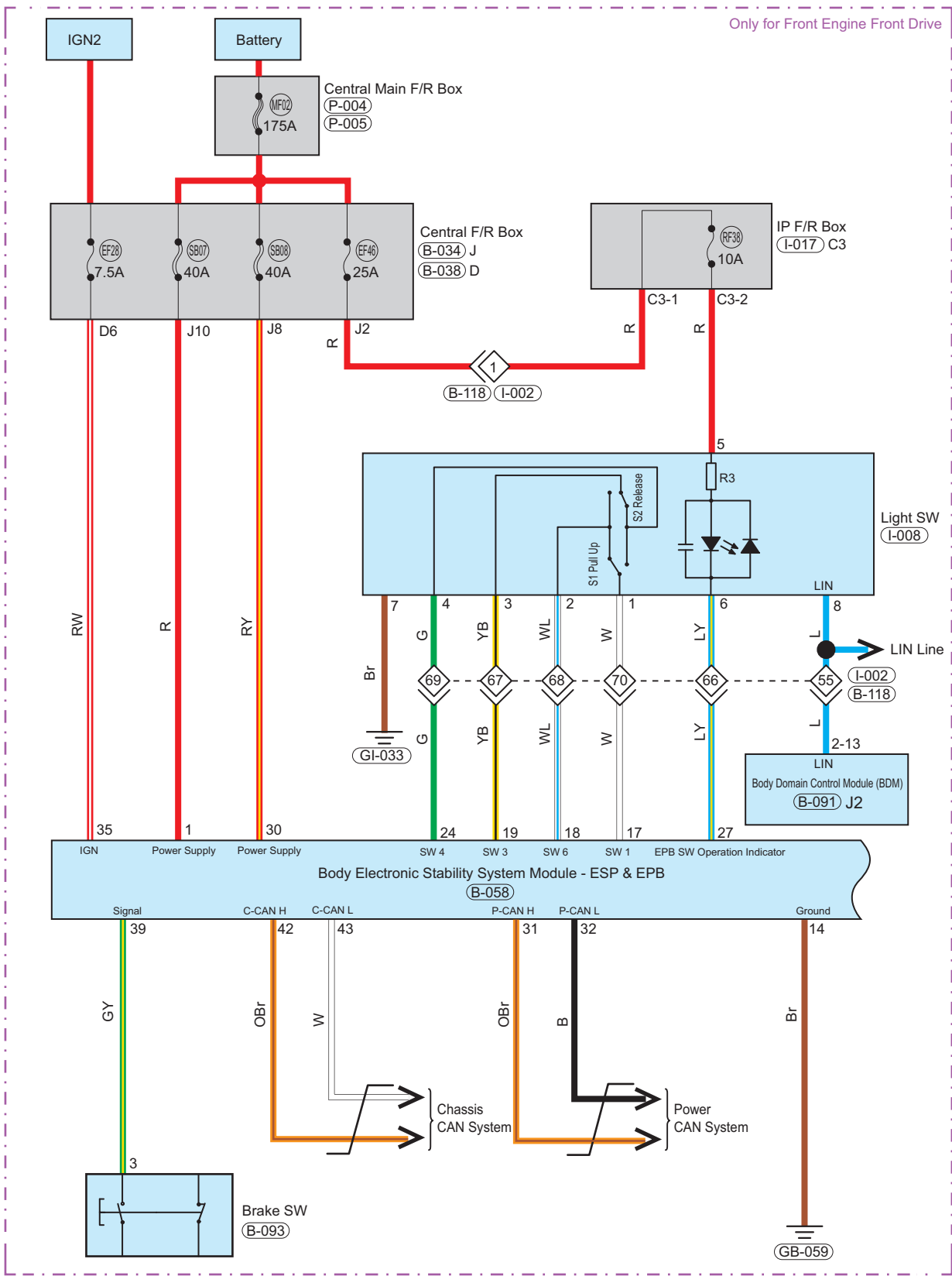


AWD001001

Four-wheel Drive System (4WD)

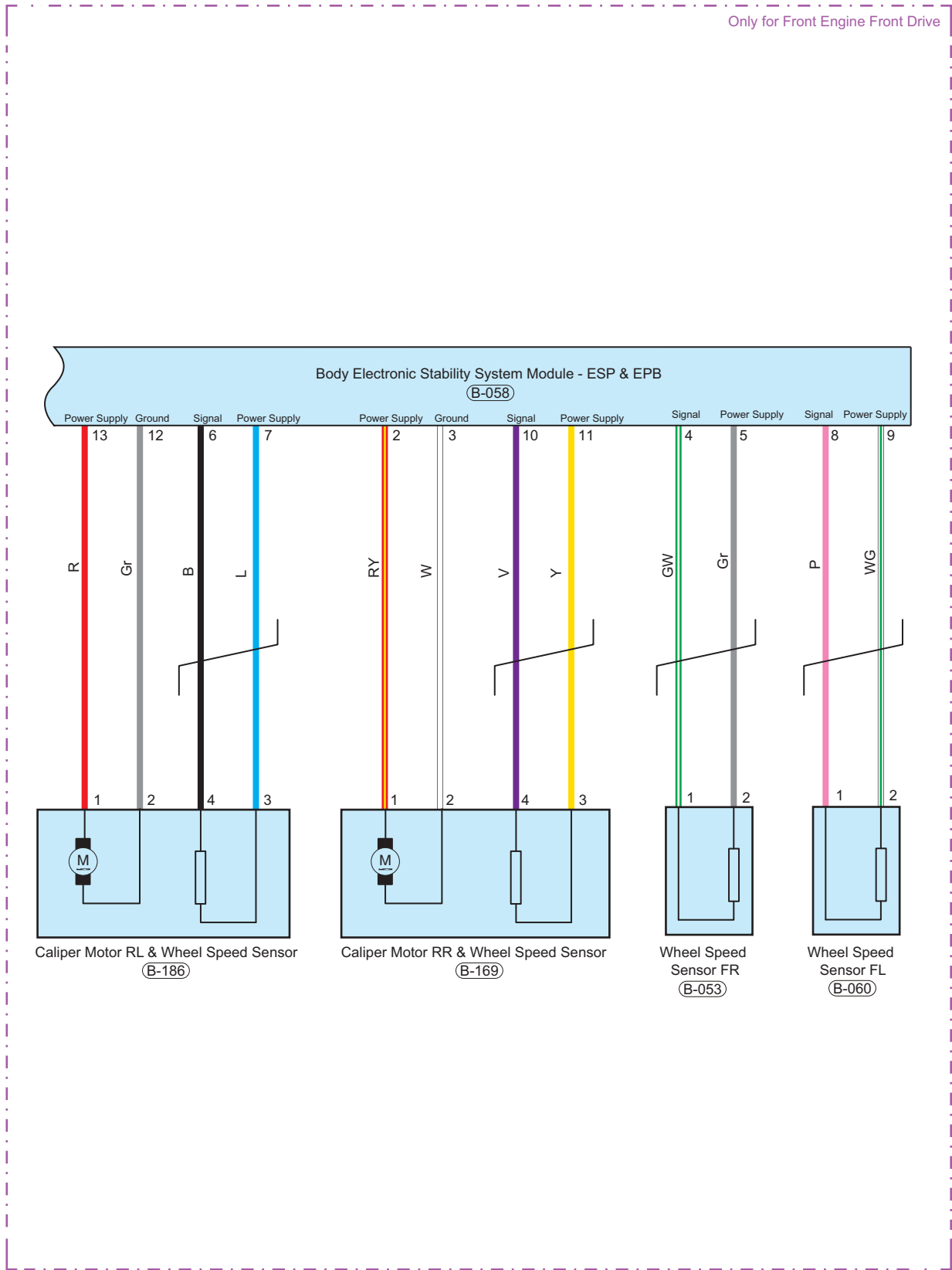
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| E-034 | Central F/R Box A | 10-6 |
| B-038 | Central F/R Box D | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| GB-175 | G615 | 10-71 |
| B-180 | AWD | 10-71 |
| GB-187 | G614 | 10-72 |
| B-188 | 4WD Motor | 10-72 |

Electronic Stability System (ESP&EPB)



EPE001001

Electronic Stability System (ESP&EPB)

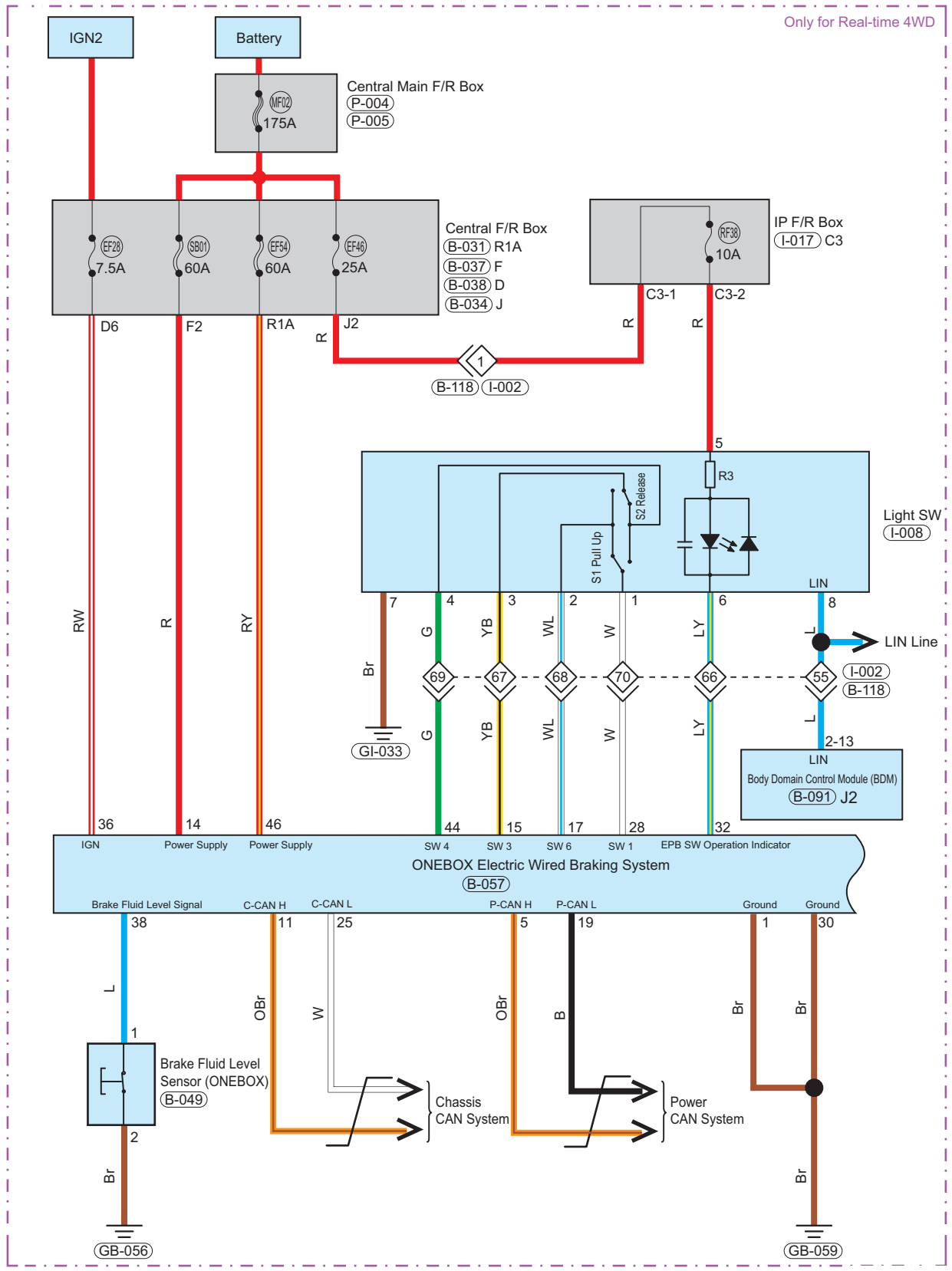


EPE002001

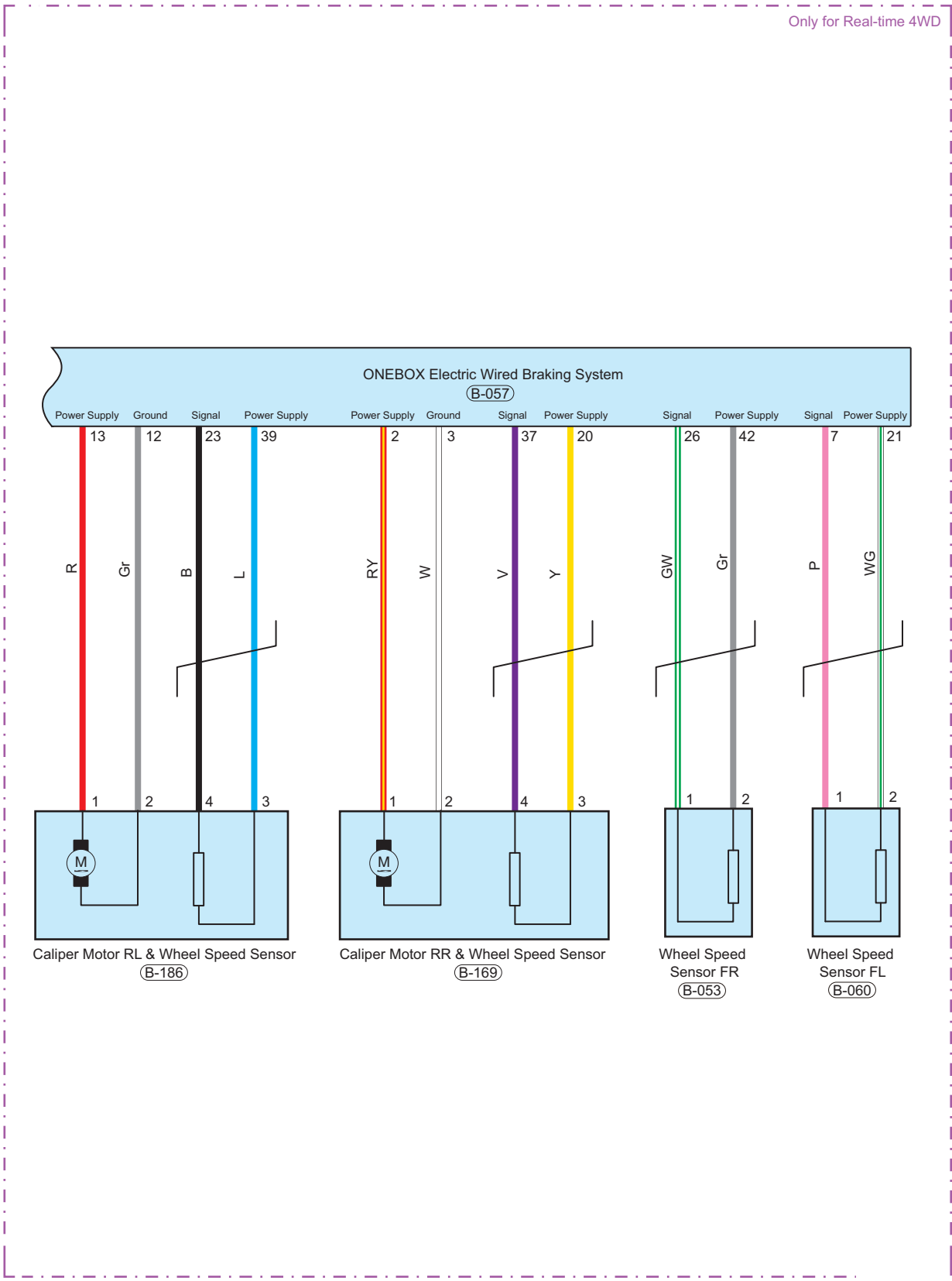
Electronic Stability System (ESP&EPB)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-008 | Light Switch | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| GI-033 | G502 | 10-90 |
| B-034 | Central F/R Box J | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-053 | Front Right Wheel Speed Sensor | 10-64 |
| B-058 | Body Electronic Stability System Module - ESP&EPB | 10-64 |
| GB-059 | G604 | 10-64 |
| B-060 | Front Left Wheel Speed Sensor | 10-64 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-093 | Brake Switch | 10-66 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-169 | Rear Right Caliper Motor & Wheel Speed Sensor | 10-71 |
| B-186 | Rear Left Caliper Motor & Wheel Speed Sensor | 10-72 |

ONEBOX Electric Wired Braking System



ONEBOX Electric Wired Braking System

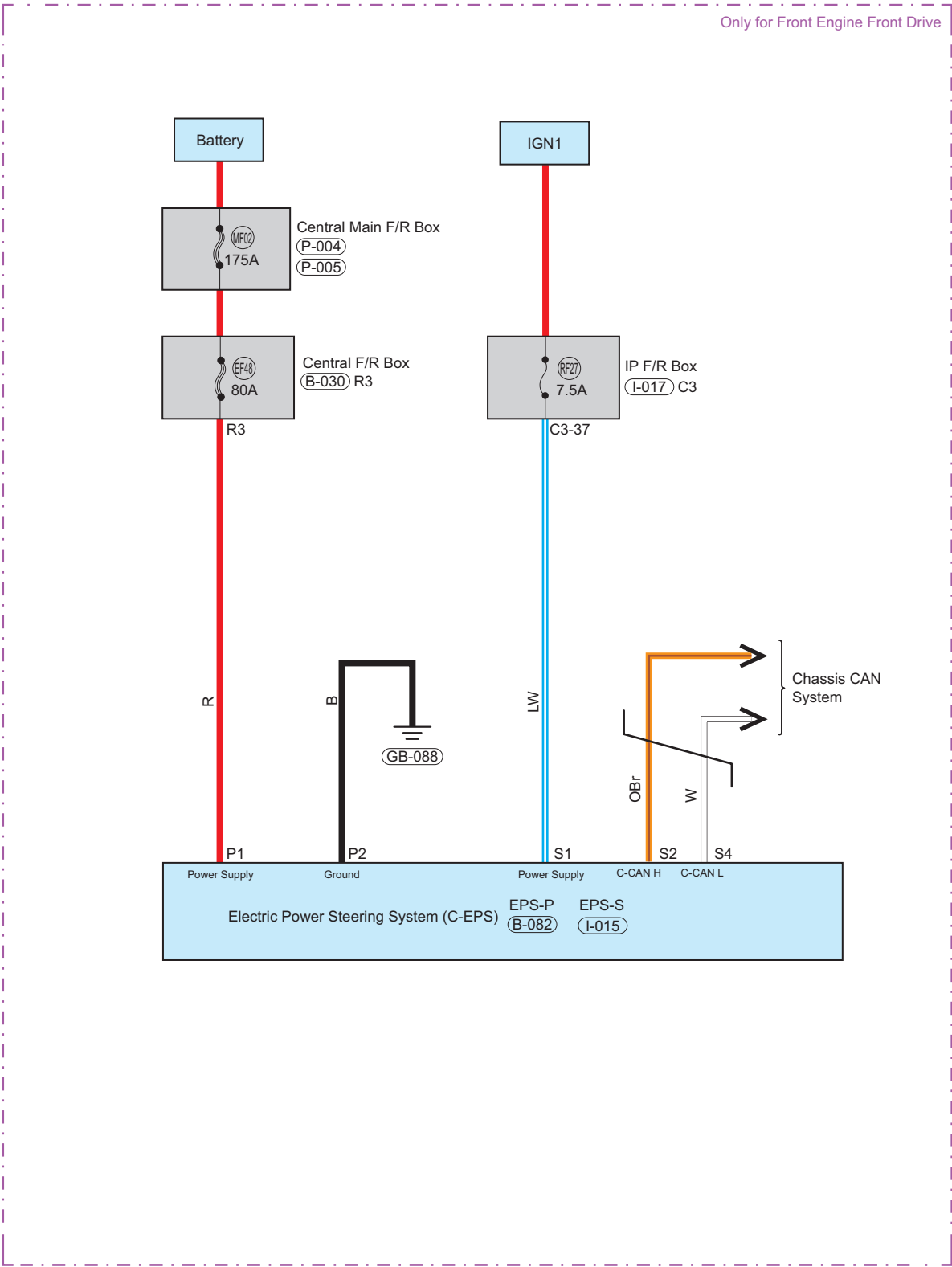


ONEBOX002001

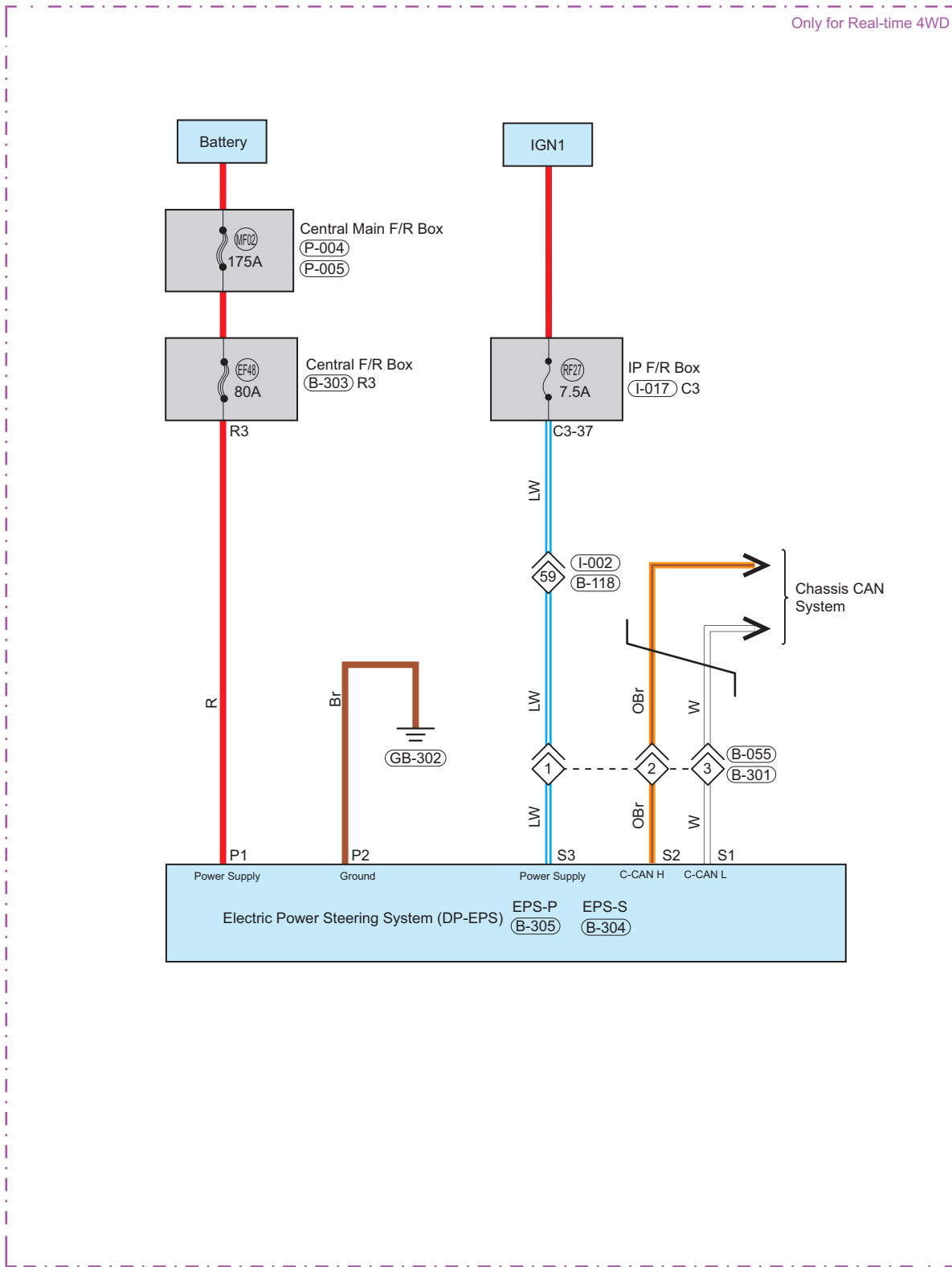
ONEBOX Electric Wired Braking System

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-008 | Light Switch | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| GI-033 | G502 | 10-90 |
| B-031 | UEC-R-1A | 10-63 |
| B-034 | Central F/R Box J | 10-63 |
| B-037 | Central F/R Box F | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-049 | Brake Fluid Level Sensor (ONEBOX) | 10-64 |
| B-053 | Front Right Wheel Speed Sensor | 10-64 |
| GB-056 | G603 | 10-64 |
| B-057 | ONEBOX Electric Wired Braking System | 10-64 |
| GB-059 | G604 | 10-64 |
| B-060 | Front Left Wheel Speed Sensor | 10-64 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-169 | Rear Right Caliper Motor & Wheel Speed Sensor | 10-71 |
| B-186 | Rear Left Caliper Motor & Wheel Speed Sensor | 10-72 |

Electric Power Steering System (EPS)



Electric Power Steering System (EPS)

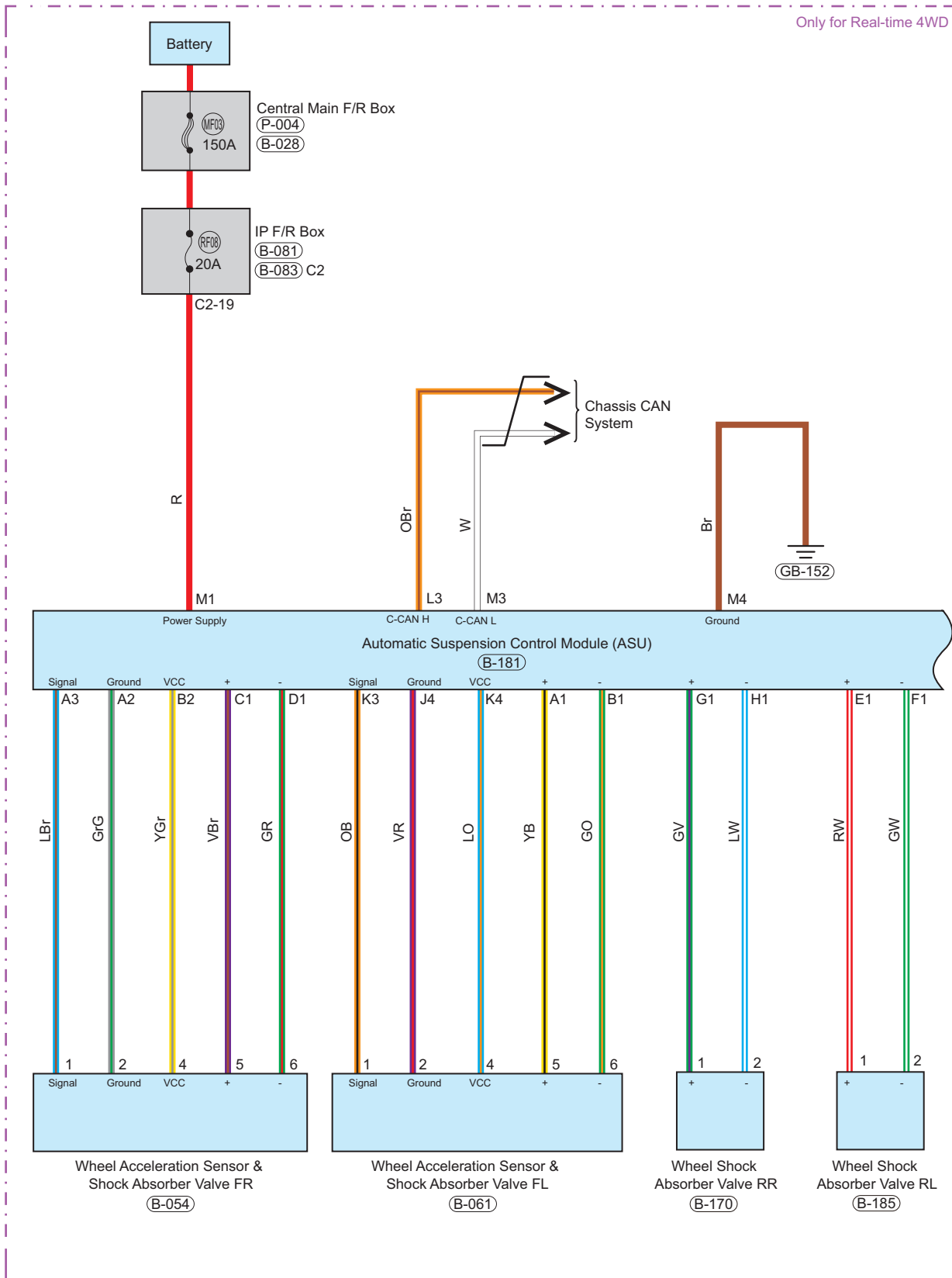


PSE002001

Electric Power Steering System (EPS)

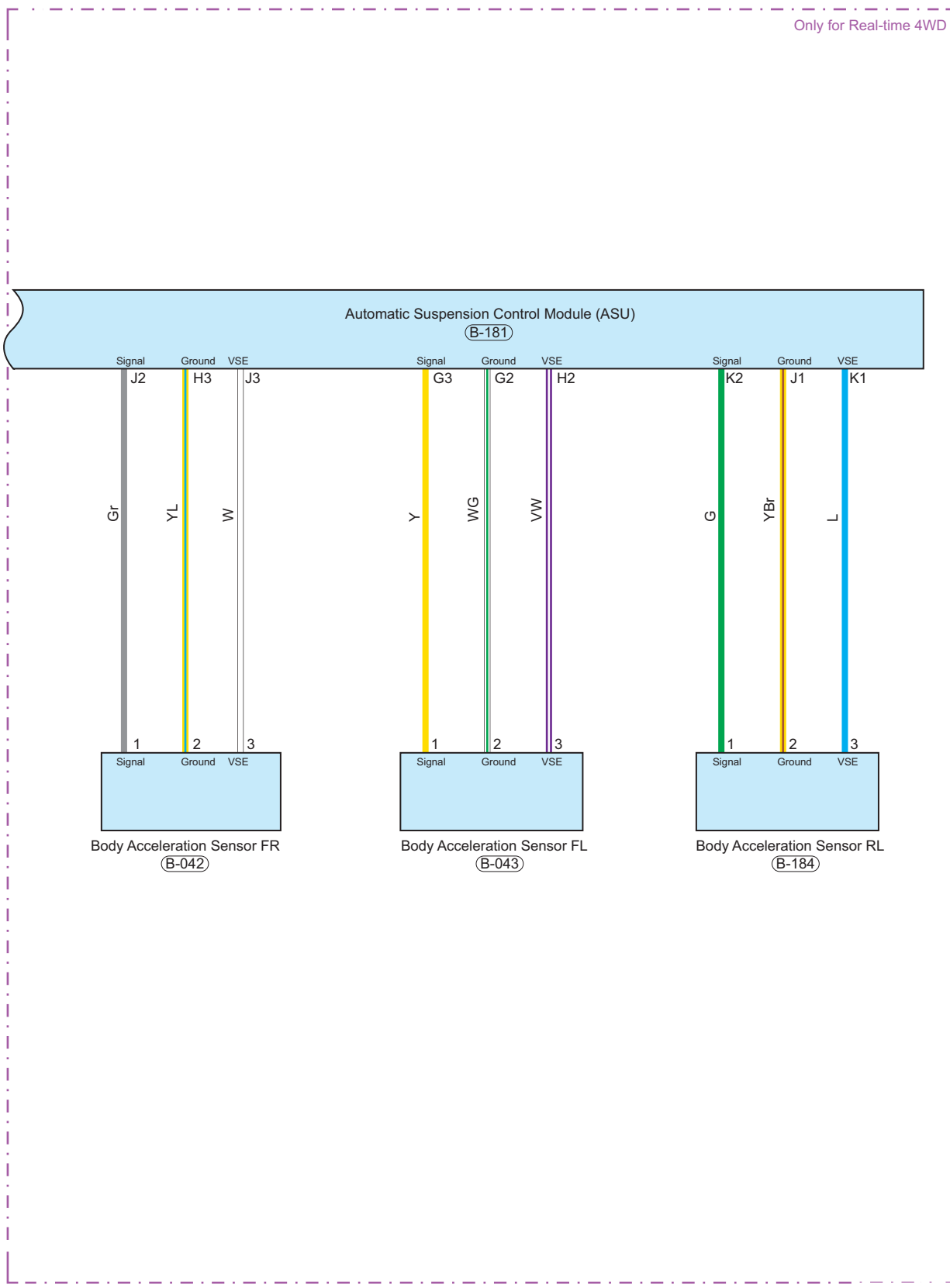
| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-015 | EPS-S | 10-90 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| B-030 | UEC-R-3 | 10-63 |
| B-055 | To Electronic Power Steering Wire Harness B-301 | 10-64 |
| B-082 | EPS-P | 10-65 |
| GB-088 | G606 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-301 | To Interior B-055 | 10-75 |
| B-302 | G601 | 10-75 |
| B-303 | UEC-R-3 | 10-75 |
| B-304 | EPS-S | 10-75 |
| B-305 | EPS-P | 10-75 |

Automatic Suspension Control System (ASU)



ASU001001

Automatic Suspension Control System (ASU)

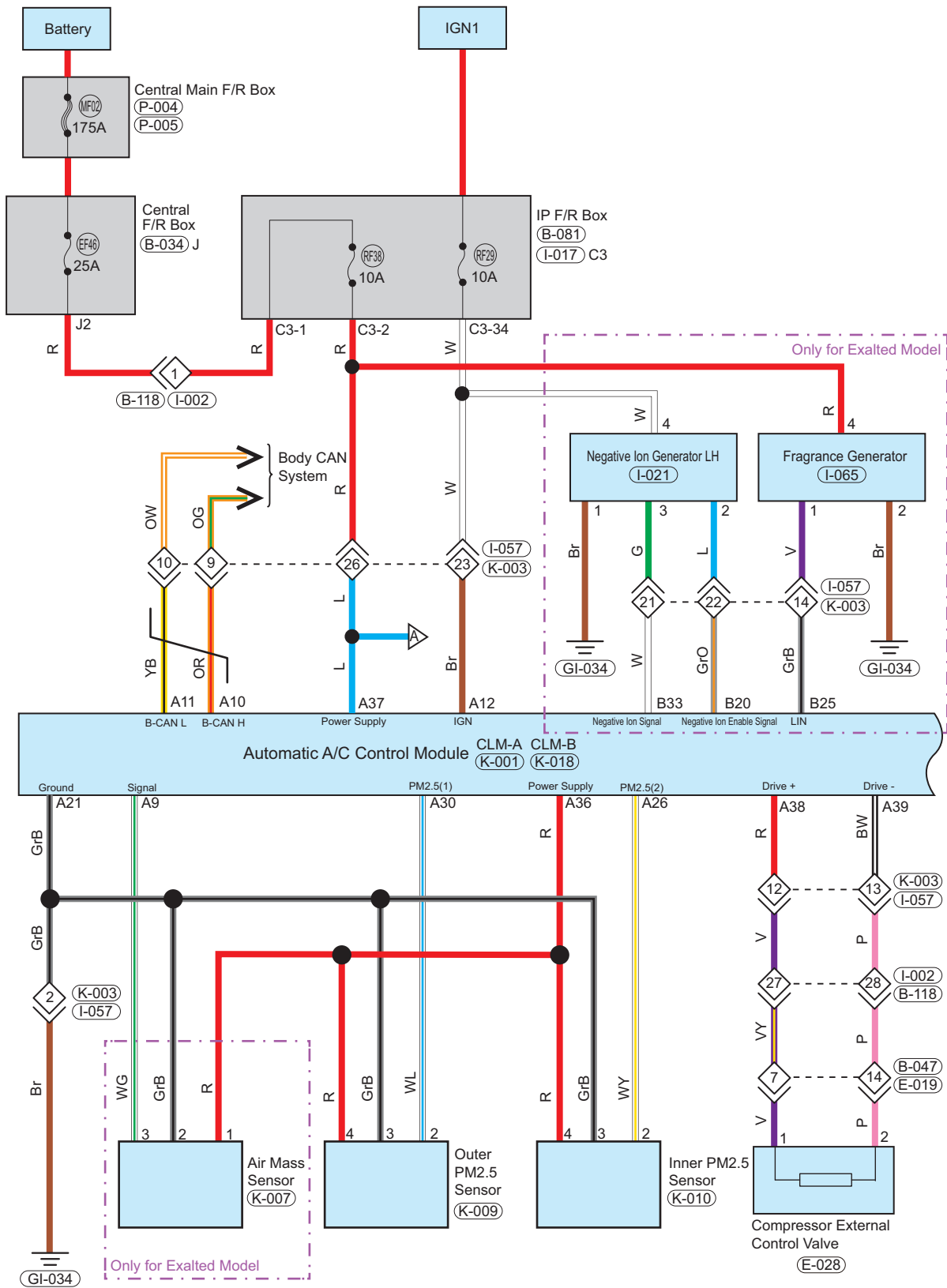


ASU002001

Automatic Suspension Control System (ASU)

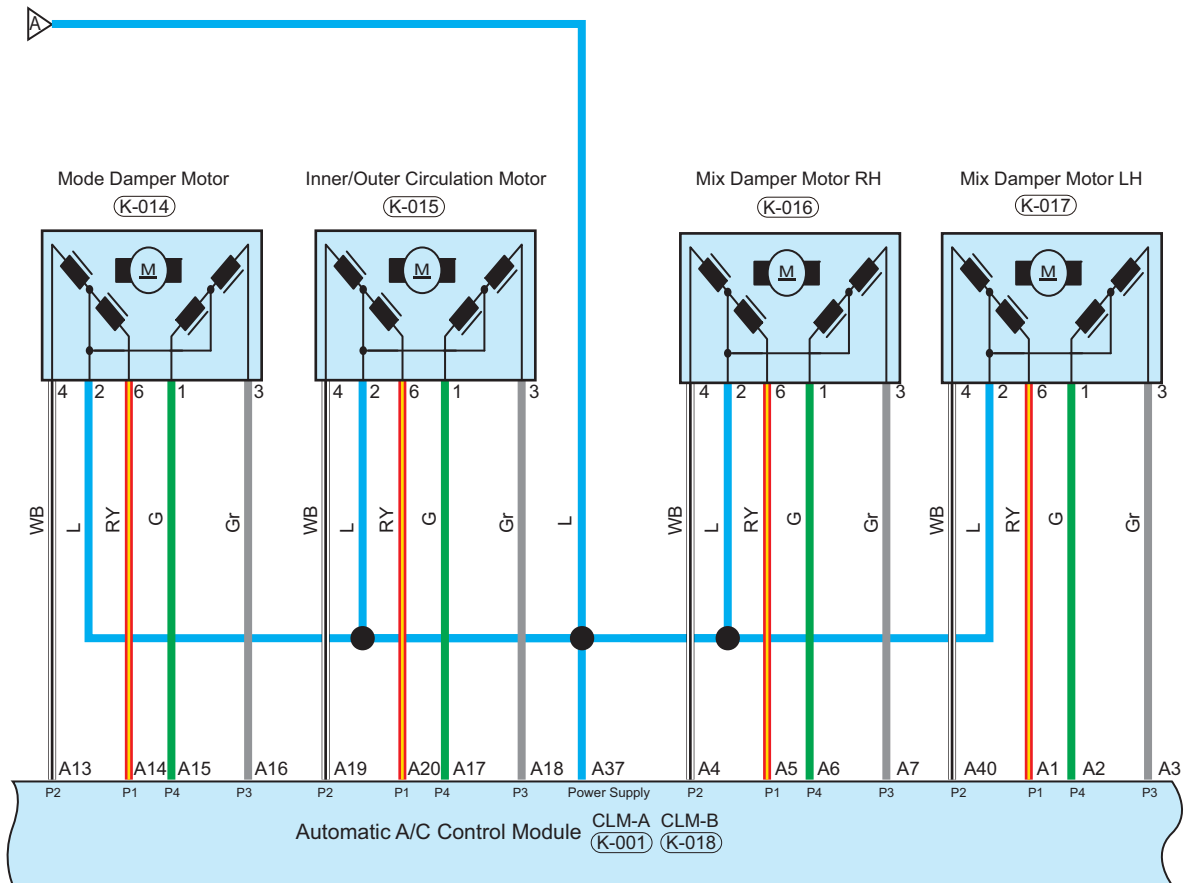
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-042 | Front Right Body Acceleration Sensor | 10-63 |
| B-043 | Front Left Body Acceleration Sensor | 10-63 |
| B-054 | Front Right Wheel Acceleration Sensor & Shock Absorber Valve | 10-64 |
| B-061 | Front Left Wheel Acceleration Sensor & Shock Absorber Valve | 10-64 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| GB-152 | G608 | 10-70 |
| B-170 | Rear Right Shock Absorber Valve | 10-71 |
| B-181 | Automatic Suspension Control Module (ASU) | 10-71 |
| B-184 | Rear Left Body Acceleration Sensor | 10-72 |
| B-185 | Rear Left Wheel Shock Absorber Valve | 10-72 |

Automatic A/C Control System (CLM)

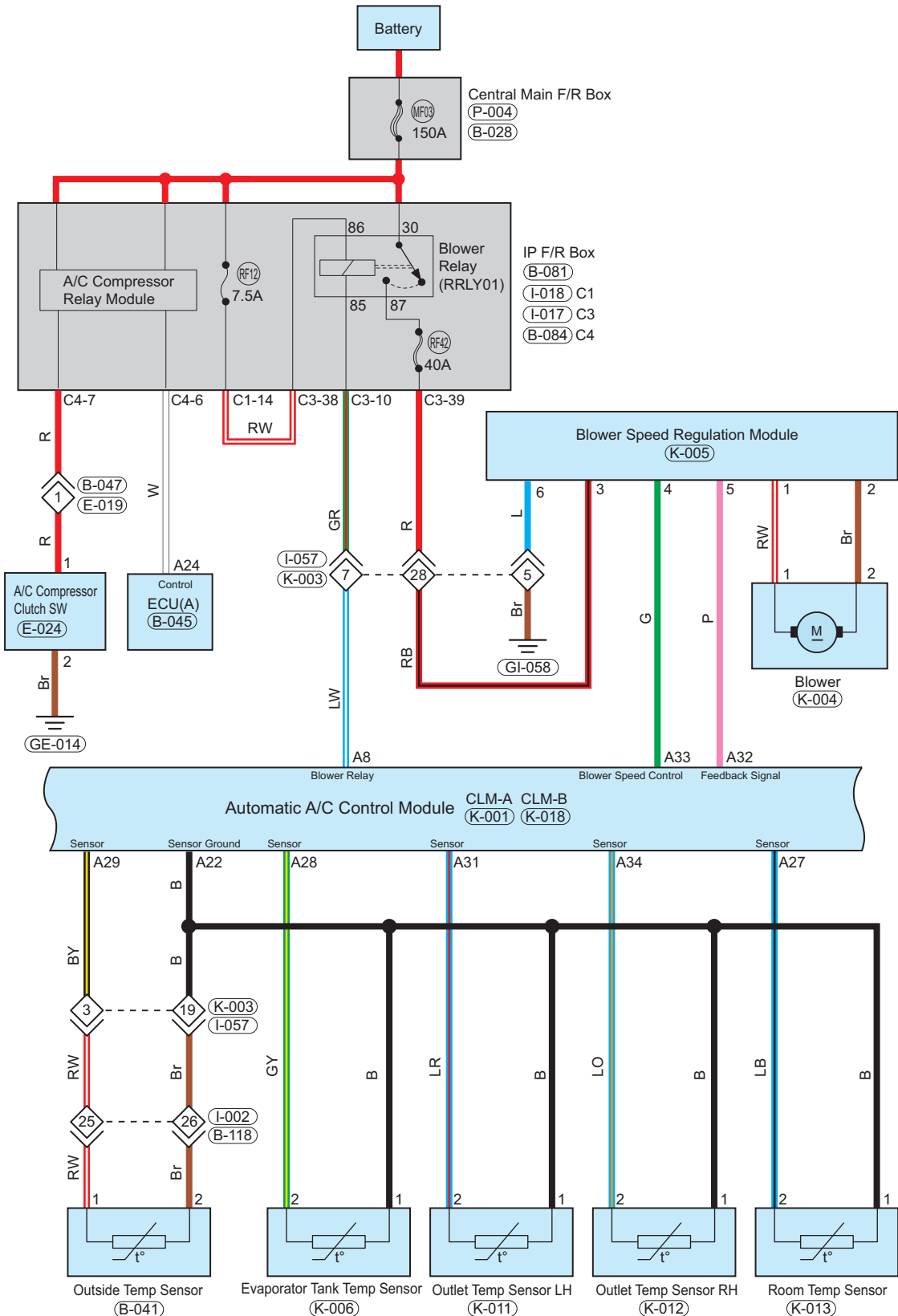


ACE001001

Automatic A/C Control System (CLM)

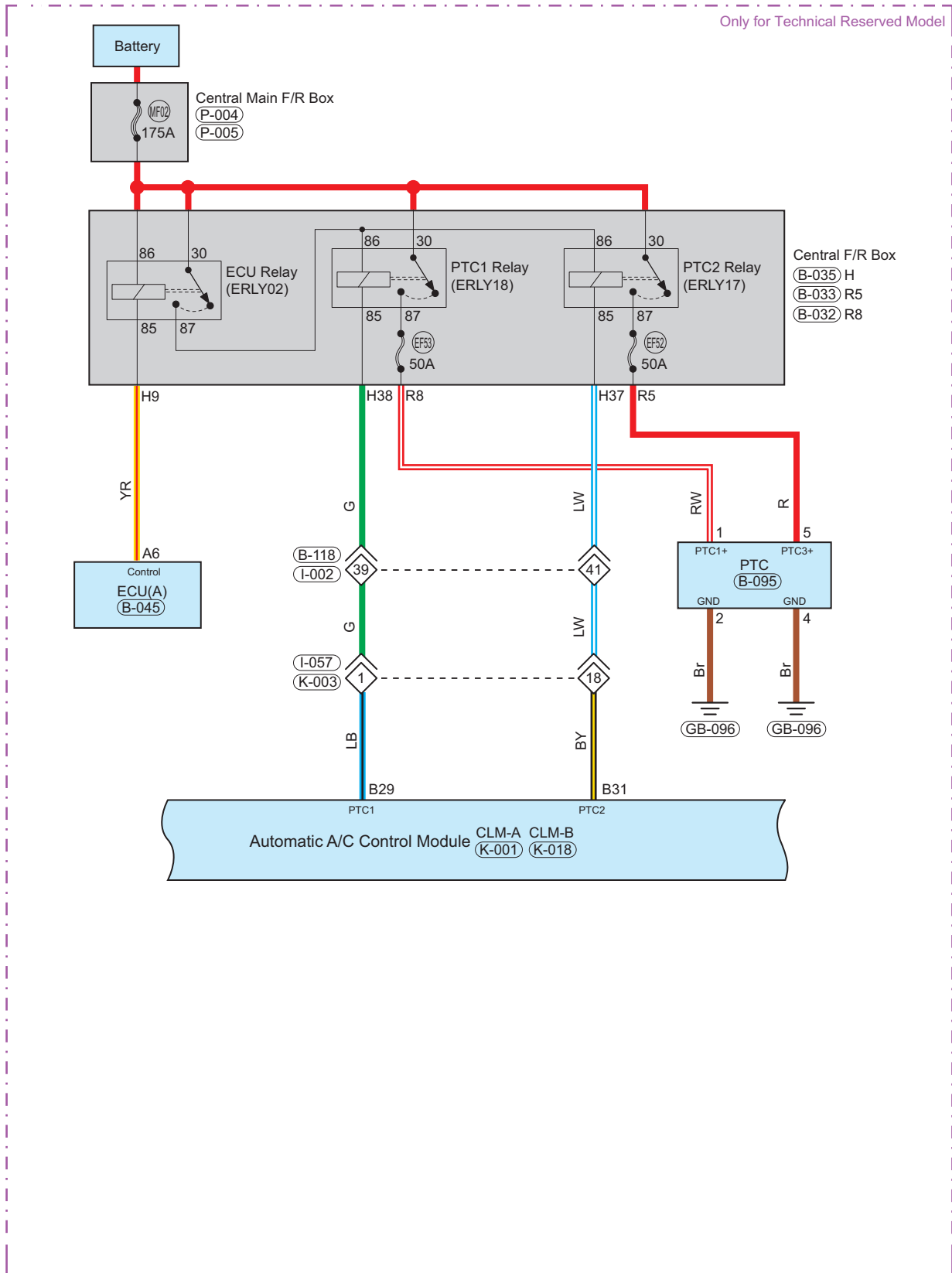


Automatic A/C Control System (CLM)



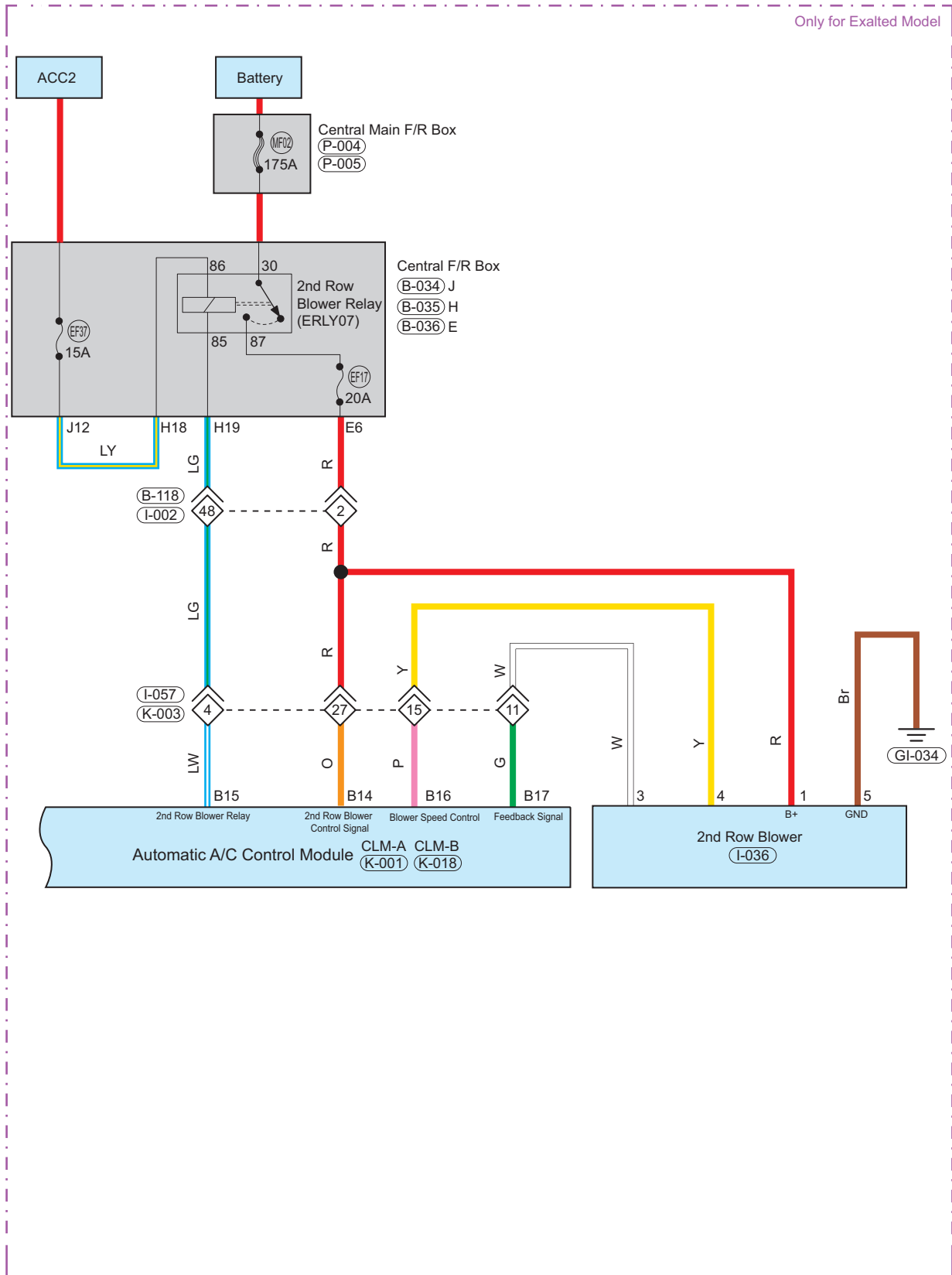
ACE002001

Automatic A/C Control System (CLM)



ACE003001

Automatic A/C Control System (CLM)



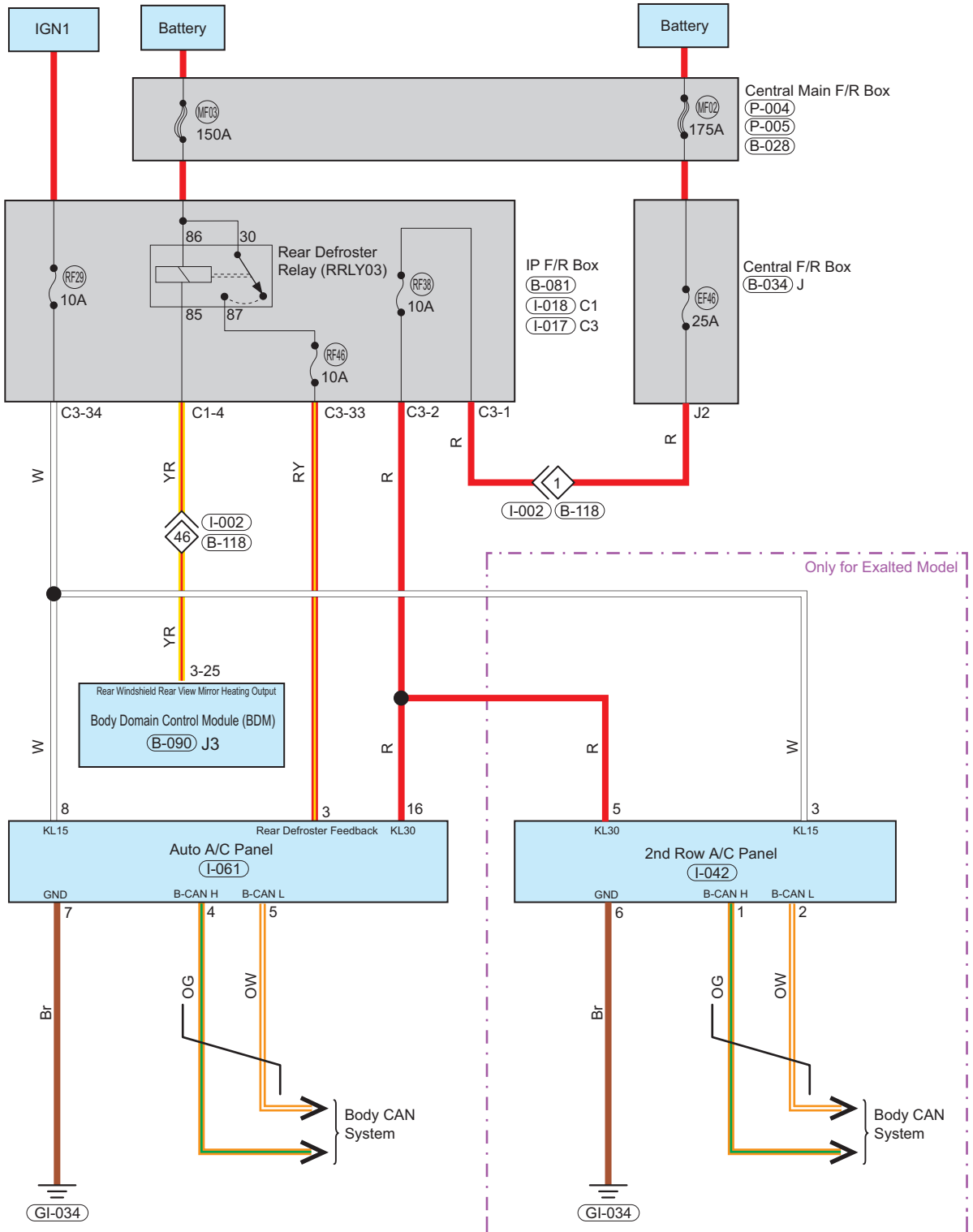
ACE004001

Automatic A/C Control System (CLM)

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| GE-014 | G401 | 10-5 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| E-024 | A/C Compressor Clutch SW | 10-6 |
| E-028 | Compressor External Control Valve | 10-6 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| I-021 | Left Negative Ion Generator | 10-90 |
| GI-034 | G503 | 10-90 |
| I-036 | Second Row Blower | 10-90 |
| I-057 | HVAC Assembly to A/C Wire Harness K-003 | 10-92 |
| GI-058 | G501 | 10-92 |
| I-065 | Fragrance Generator | 10-92 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-032 | UEC-R-8 | 10-63 |
| B-033 | UEC-R-5 | 10-63 |
| B-034 | Central F/R Box J | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-036 | Central F/R Box E | 10-63 |
| B-041 | Outside Temperature Sensor | 10-63 |
| B-045 | ECU (A) | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| B-081 | IEC-R | 10-65 |
| B-084 | Instrument Panel F/R Box C4 | 10-65 |
| B-095 | PTC | 10-66 |
| GB-096 | G505 | 10-66 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| K-001 | Automatic A/C Control Module A | 10-116 |

| Wire Harness Connector | Name | Page Number |
|------------------------|------------------------------------|-------------|
| K-003 | HVAC to Vehicle I-057 | 10-116 |
| K-004 | Blower | 10-116 |
| K-005 | Blower Speed Regulation Module | 10-116 |
| K-006 | Evaporator Tank Temperature Sensor | 10-116 |
| K-007 | Air Mass Sensor | 10-116 |
| K-009 | Outer PM2.5 Sensor | 10-116 |
| K-010 | Inner PM2.5 Sensor | 10-116 |
| K-011 | Left Outlet Temperature Sensor | 10-116 |
| K-012 | Right Outlet Temperature Sensor | 10-116 |
| K-013 | Room Temperature Sensor | 10-116 |
| K-014 | Mode Damper Motor | 10-116 |
| K-015 | Inner/Outer Circulation Motor | 10-116 |
| K-016 | Right Mix Damper Motor | 10-116 |
| K-017 | Left Mix Damper Motor | 10-116 |
| K-018 | Automatic A/C Control Module B | 10-116 |

A/C Control Panel (ACP)

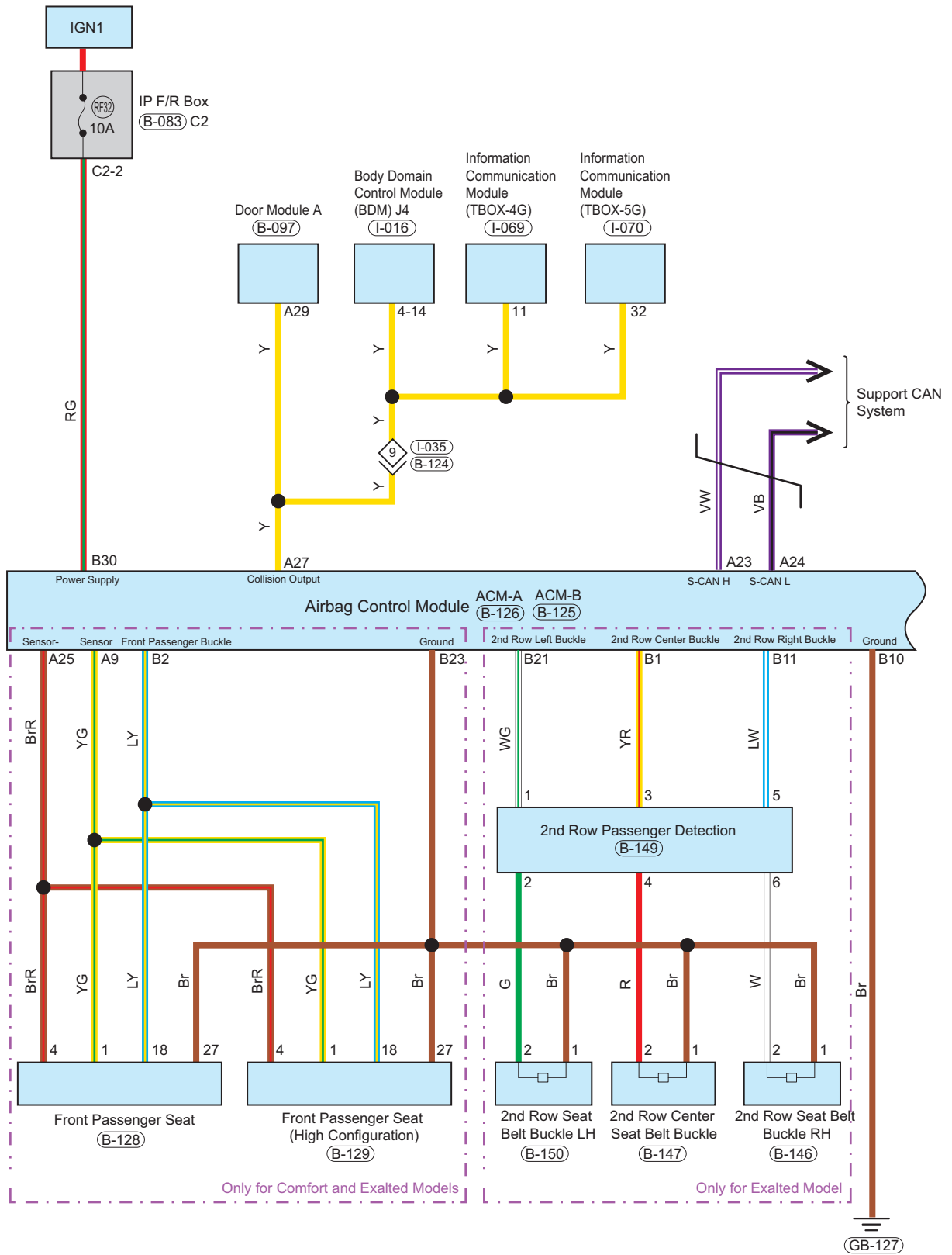


ACE005001

A/C Control Panel (ACP)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| GI-034 | G503 | 10-90 |
| I-042 | Second Row A/C Panel | 10-91 |
| I-061 | Auto A/C Panel | 10-92 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-034 | Central F/R Box J | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |

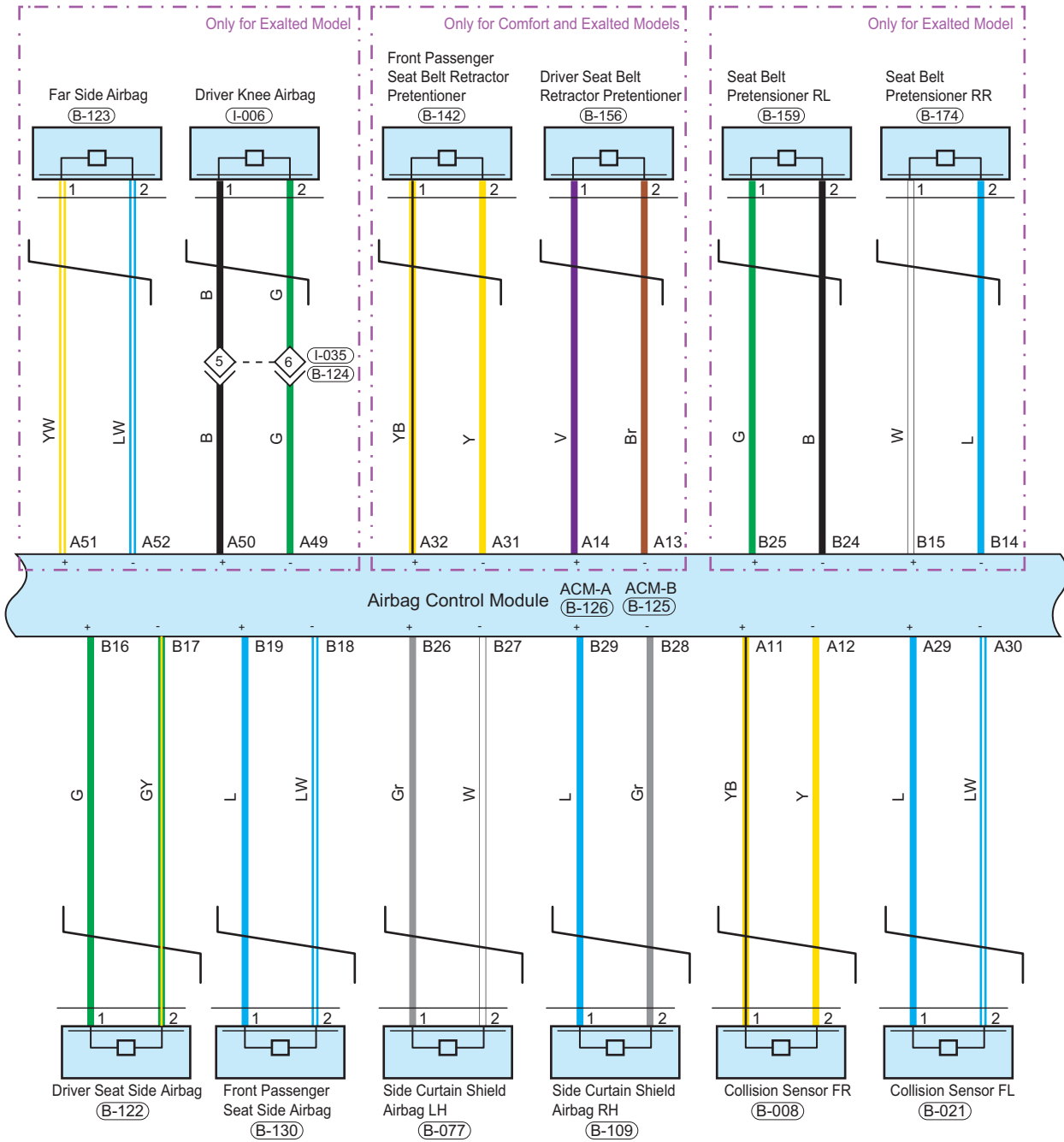
Airbag System (ACM)



11

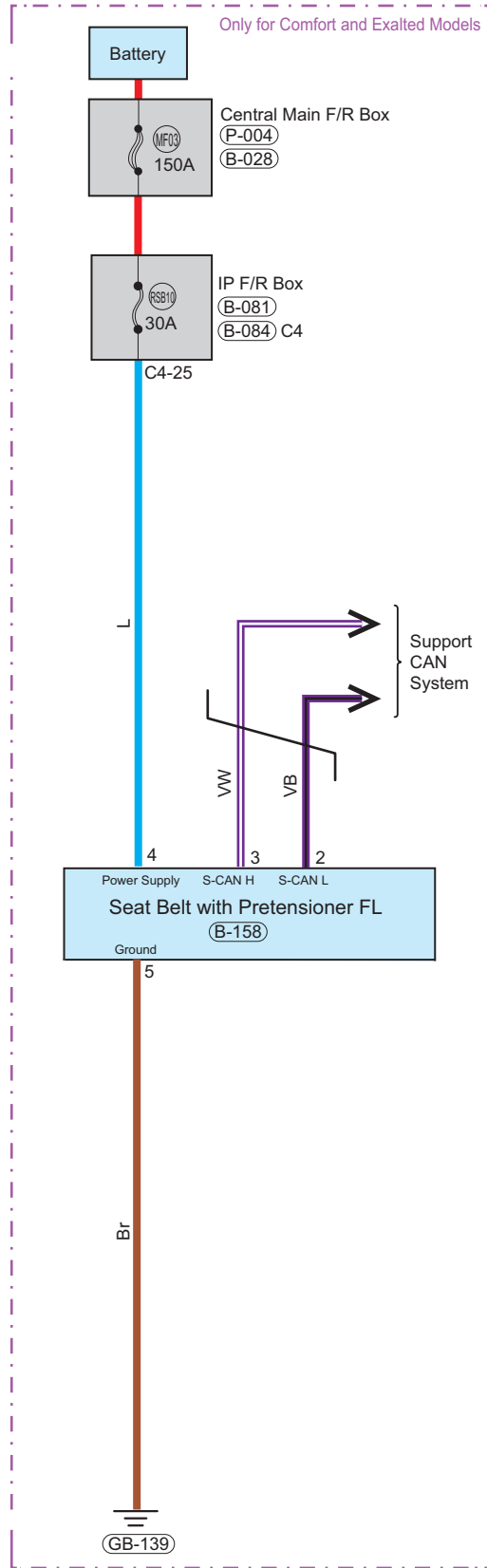
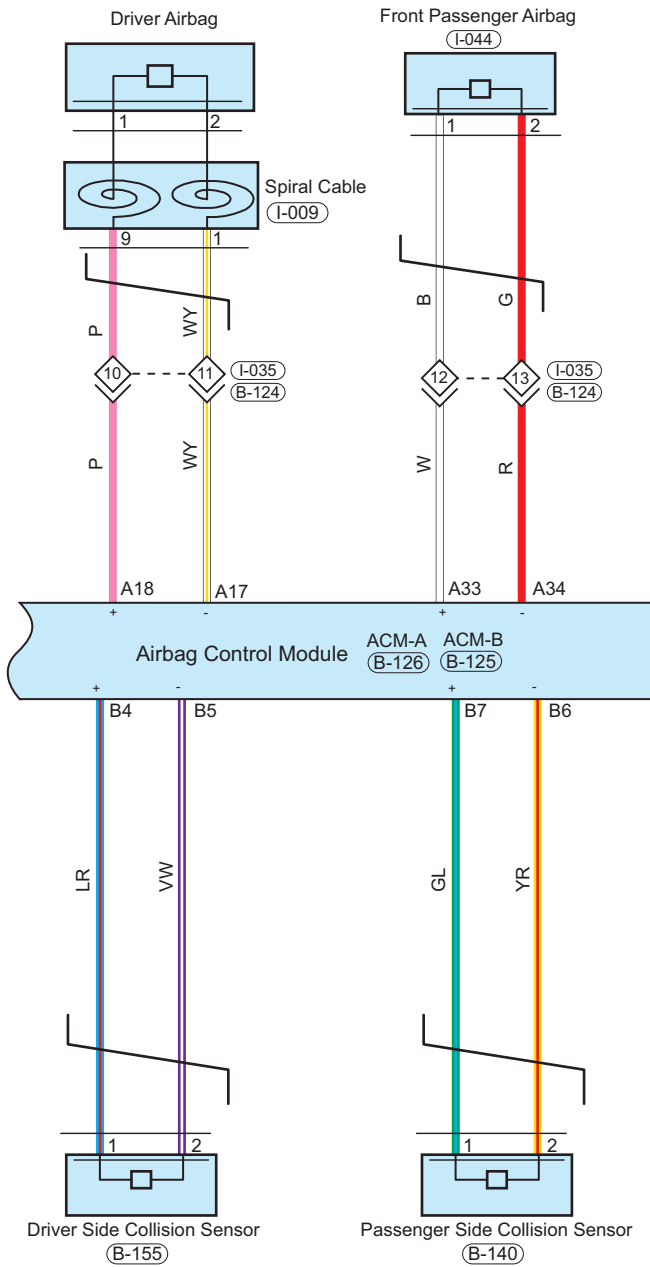
RSE001001

Airbag System (ACM)



RSE002001

Airbag System (ACM)



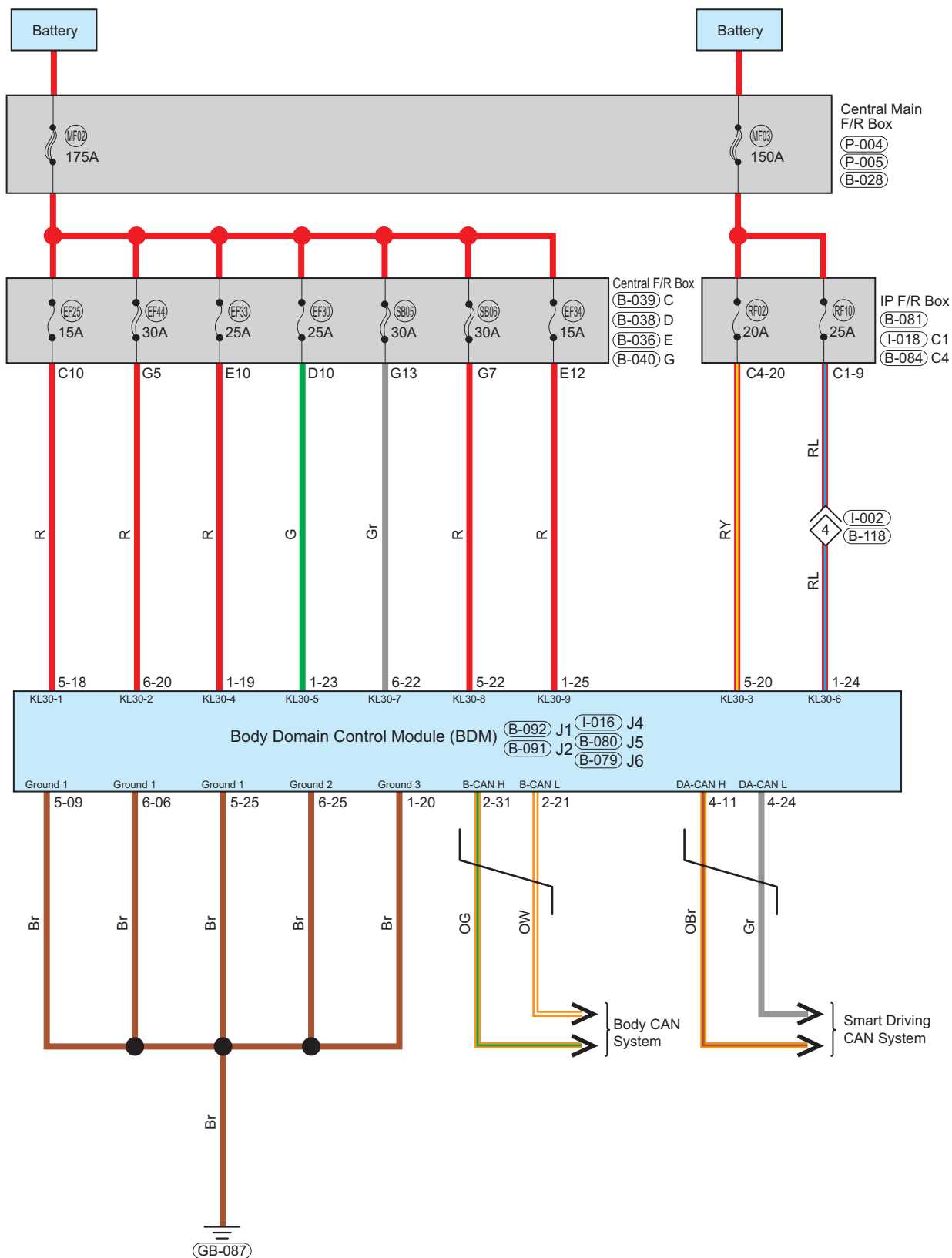
RSE003001

Airbag System (ACM)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| I-006 | Driver Knee Airbag | 10-89 |
| I-009 | Spiral Cable | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| I-035 | Instrument Panel to Interior Center B-124 | 10-90 |
| I-044 | Front Passenger Airbag | 10-91 |
| I-069 | Information Communication Module (TBOX-4G) | 10-92 |
| I-070 | Information Communication Module (TBOX-5G) | 10-92 |
| B-008 | Front Right Collision Sensor | 10-62 |
| B-021 | Front Left Collision Sensor | 10-62 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-077 | Left Side Curtain Shield Airbag | 10-65 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-084 | Instrument Panel F/R Box C4 | 10-65 |
| B-097 | Door Module A | 10-66 |
| B-109 | Right Side Curtain Shield Airbag | 10-67 |
| B-122 | Driver Seat Side Airbag | 10-68 |
| B-123 | Far Side Airbag | 10-68 |
| B-124 | Instrument Panel Wire Harness Interface - M I-035 | 10-68 |
| B-125 | Airbag Control Module - B | 10-68 |
| B-126 | Airbag Control Module - A | 10-69 |
| B-128 | Front Passenger Seat S-018 | 10-69 |
| B-129 | High Configuration Front Passenger Seat S-018 | 10-69 |
| B-130 | Front Passenger Seat Side Airbag | 10-69 |
| GB-139 | G607-2 | 10-69 |
| B-140 | Passenger Side Collision Sensor | 10-69 |
| B-142 | Front Passenger Seat Belt Retractor Pretensioner | 10-70 |
| B-146 | Second Row Right Seat Belt Buckle | 10-70 |

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| B-147 | Second Row Middle Seat Belt Buckle | 10-70 |
| B-149 | Second Row Passenger Detection | 10-70 |
| B-150 | Second Row Left Seat Belt Buckle | 10-70 |
| B-155 | Driver Side Collision Sensor | 10-70 |
| B-156 | Driver Seat Belt Retractor Pretensioner | 10-70 |
| B-158 | Front Left Seat Belt with Pretensioner | 10-70 |
| B-159 | Rear Left Seat Belt Pretensioner | 10-70 |
| B-174 | Rear Right Seat Belt Pretensioner | 10-71 |

BDM Power Supply System

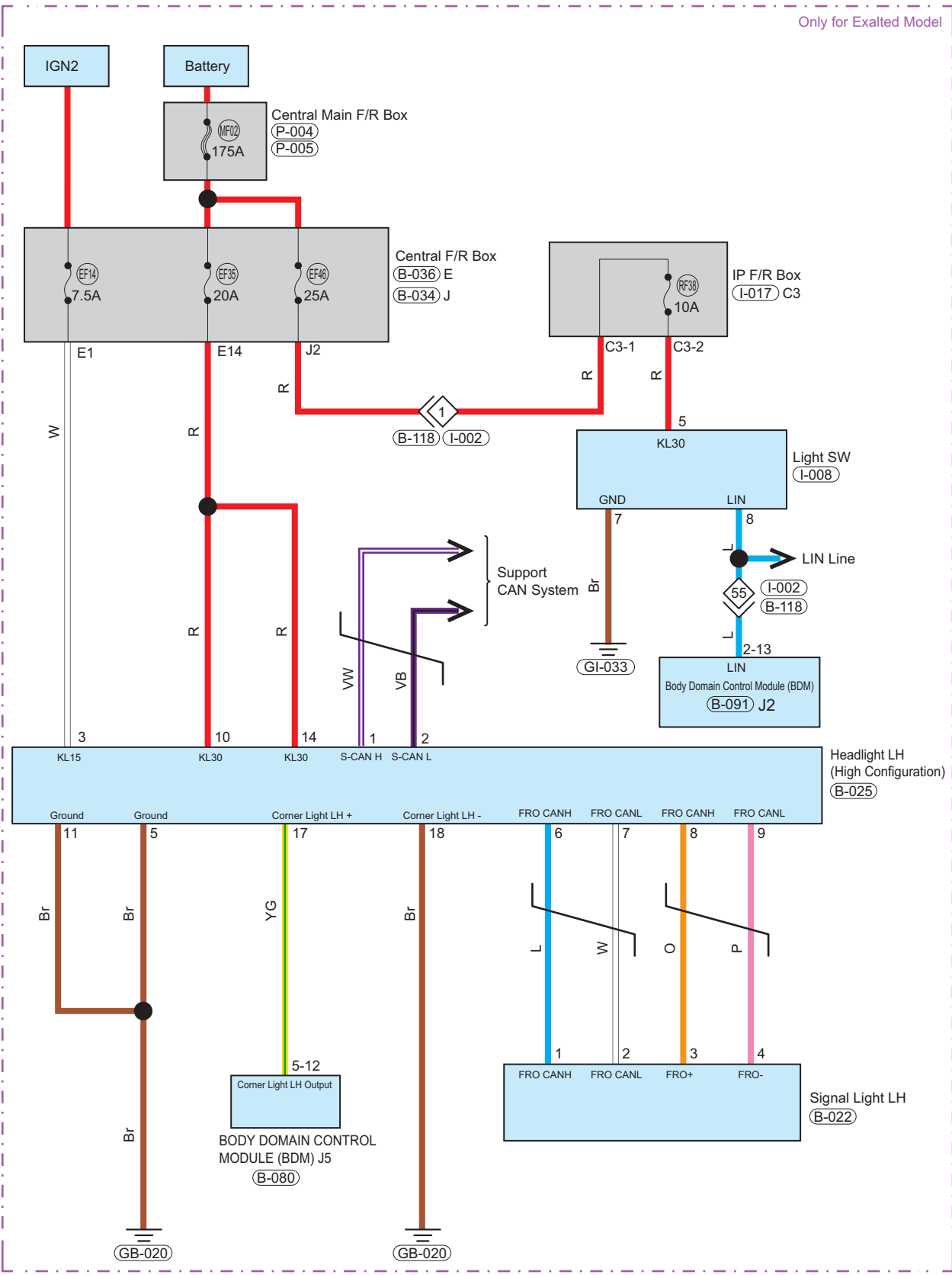


BDM001001

BDM Power Supply System

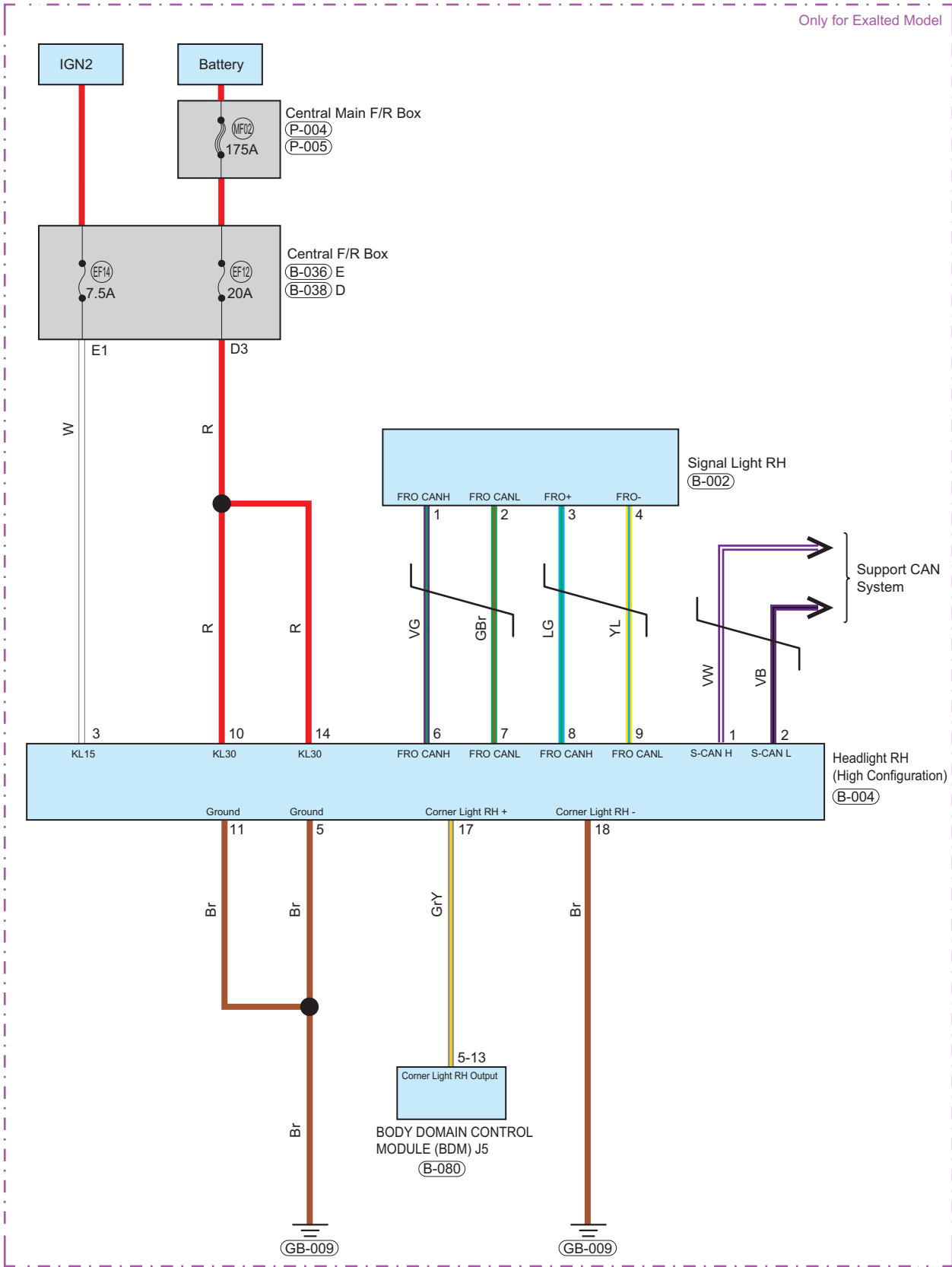
| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-036 | Central F/R Box E | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-039 | Central F/R Box C | 10-63 |
| B-040 | Central F/R Box G | 10-63 |
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-080 | Body Domain Control Module (BDM) J5 | 10-65 |
| B-081 | IEC-R | 10-65 |
| B-084 | Instrument Panel F/R Box C4 | 10-65 |
| GB-087 | G605 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-092 | Body Domain Control Module (BDM) J1 | 10-66 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |

Lighting System Headlight - High Configuration



LIE001001

Headlight - High Configuration

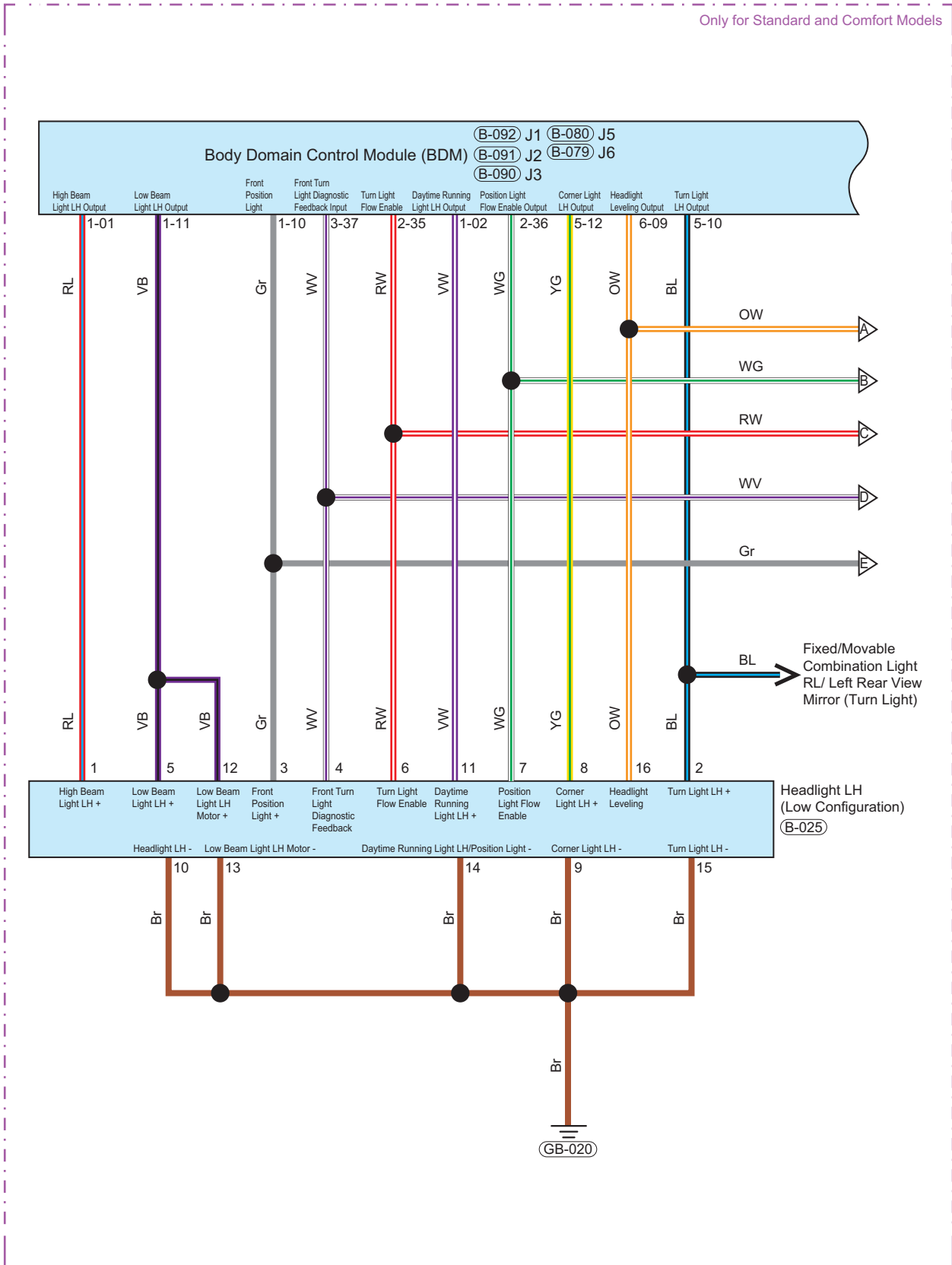


LIE002001

Headlight - High Configuration

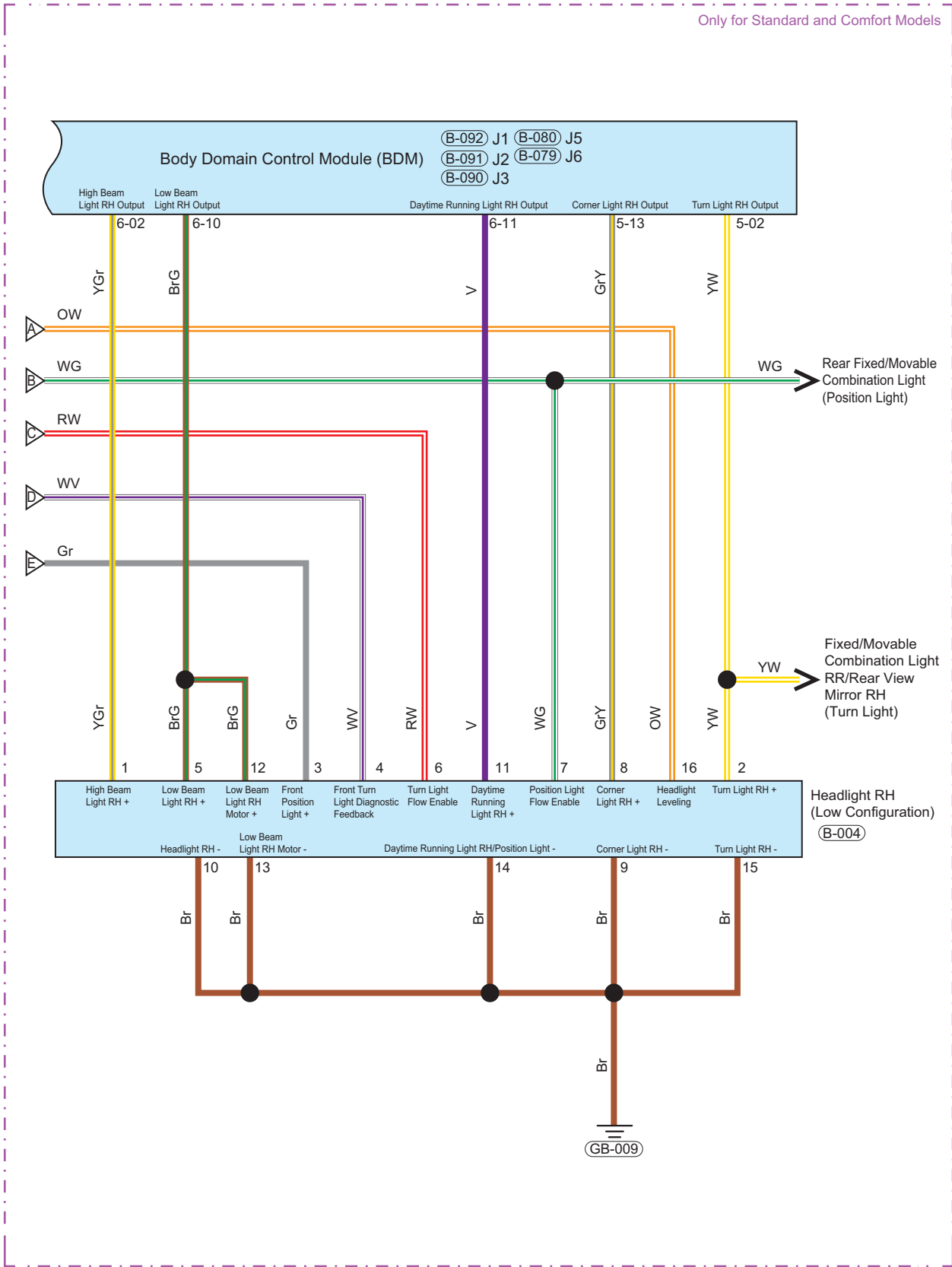
| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-008 | Light Switch | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| GI-033 | G502 | 10-90 |
| B-002 | Right Signal Light | 10-62 |
| B-004 | Right Headlight (High Configuration) | 10-62 |
| GB-009 | G101 | 10-62 |
| GB-020 | G102 | 10-57 |
| B-022 | Left Signal Light | 10-62 |
| B-025 | Left Headlight (High Configuration) | 10-62 |
| B-034 | Central F/R Box J | 10-63 |
| B-036 | Central F/R Box E | 10-63 |
| B-038 | Central F/R Box D | 10-63 |
| B-080 | Body Domain Control Module (BDM) J5 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |

Headlight - Low Configuration



LIE003001

Headlight - Low Configuration

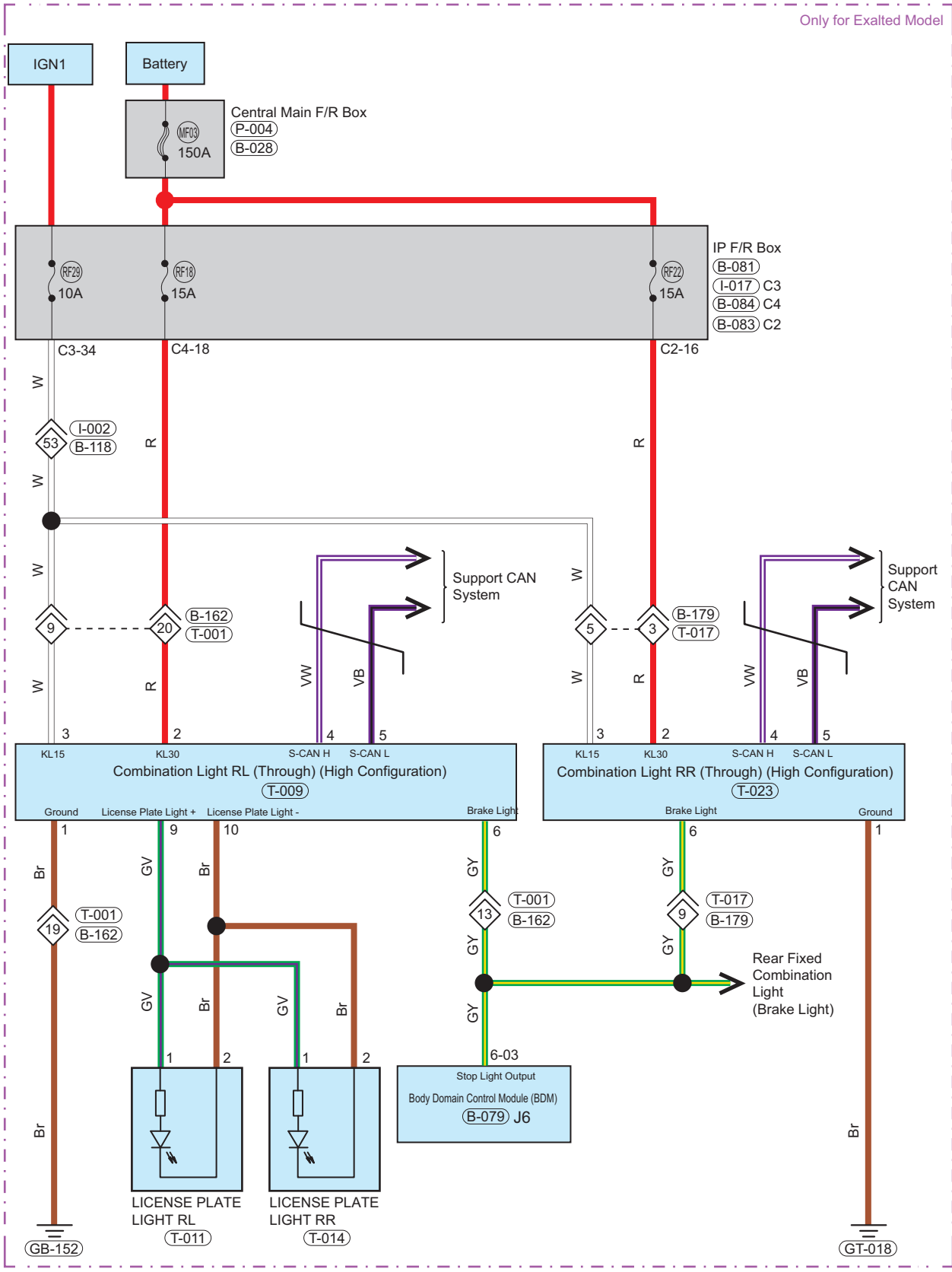


LIE004001

Headlight - Low Configuration

| Wire Harness Connector | Name | Page Number |
|------------------------|-------------------------------------|-------------|
| B-004 | Right Headlight (Low Configuration) | 10-62 |
| GB-009 | G101 | 10-62 |
| GB-020 | G102 | 10-57 |
| B-025 | Left Headlight (Low Configuration) | 10-62 |
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-080 | Body Domain Control Module (BDM) J5 | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-092 | Body Domain Control Module (BDM) J1 | 10-66 |

Movable Combination Light (High-configuration)/License Plate Light

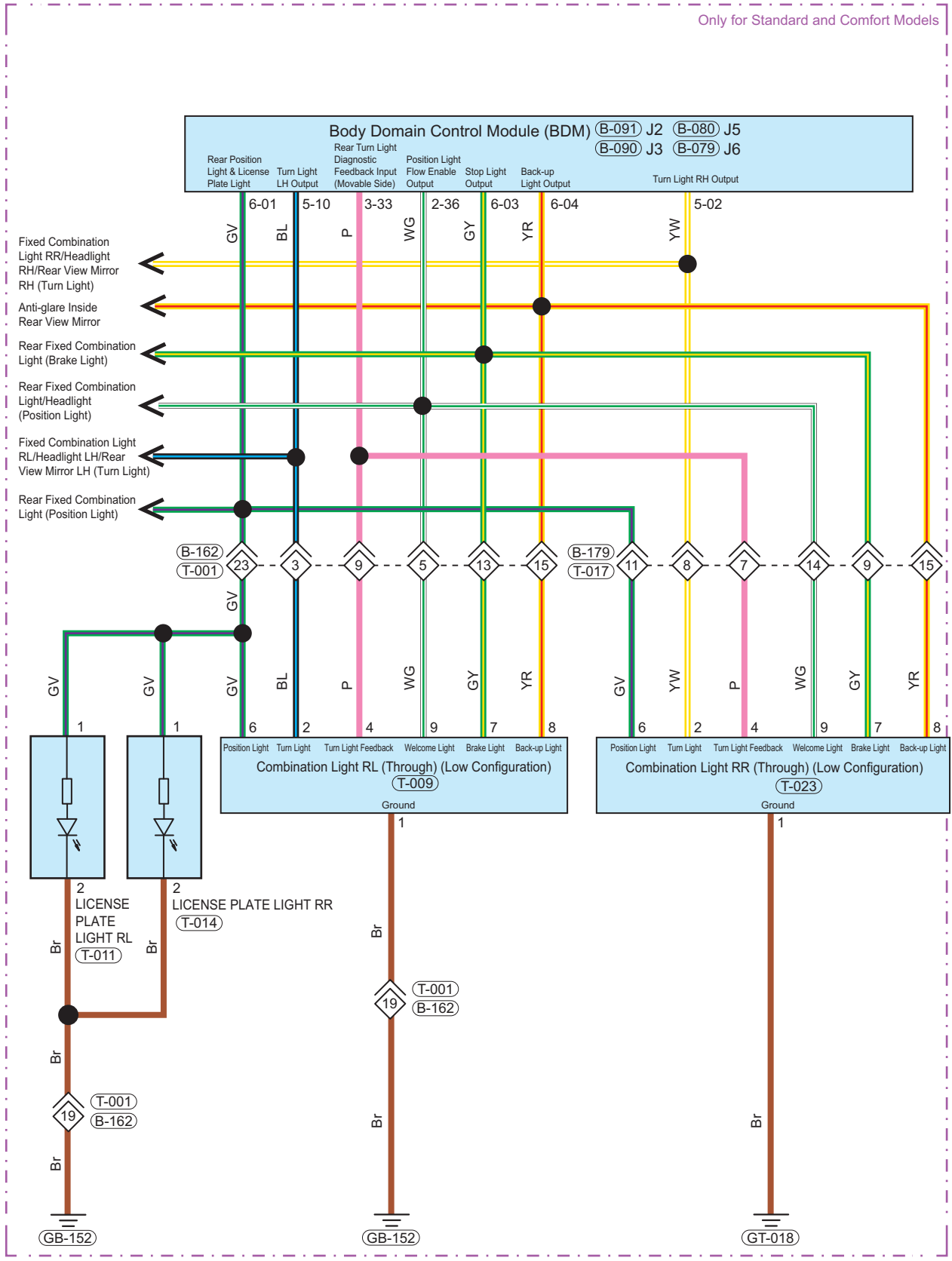


LIE005001

Movable Combination Light (High-configuration)/License Plate Light

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-084 | Instrument Panel F/R Box C4 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| GB-152 | G608 | 10-70 |
| B-162 | Rear Left Back Door Wire Harness Interface T-001 | 10-70 |
| B-179 | Rear Right Back Door Wire Harness Interface T-017 | 10-71 |
| T-001 | Rear Left Back Door to Interior B- 162 | 10-110 |
| T-009 | Rear Left Combination Light (Through) (High Configuration) | 10-110 |
| T-011 | Rear Left License Plate Light | 10-110 |
| T-014 | Rear Right License Plate Light | 10-110 |
| T-017 | Rear Right Back Door to Interior B-179 | 10-110 |
| GT-018 | G701 | 10-110 |
| T-023 | Rear Right Combination Light (Through) (High Configuration) | 10-111 |

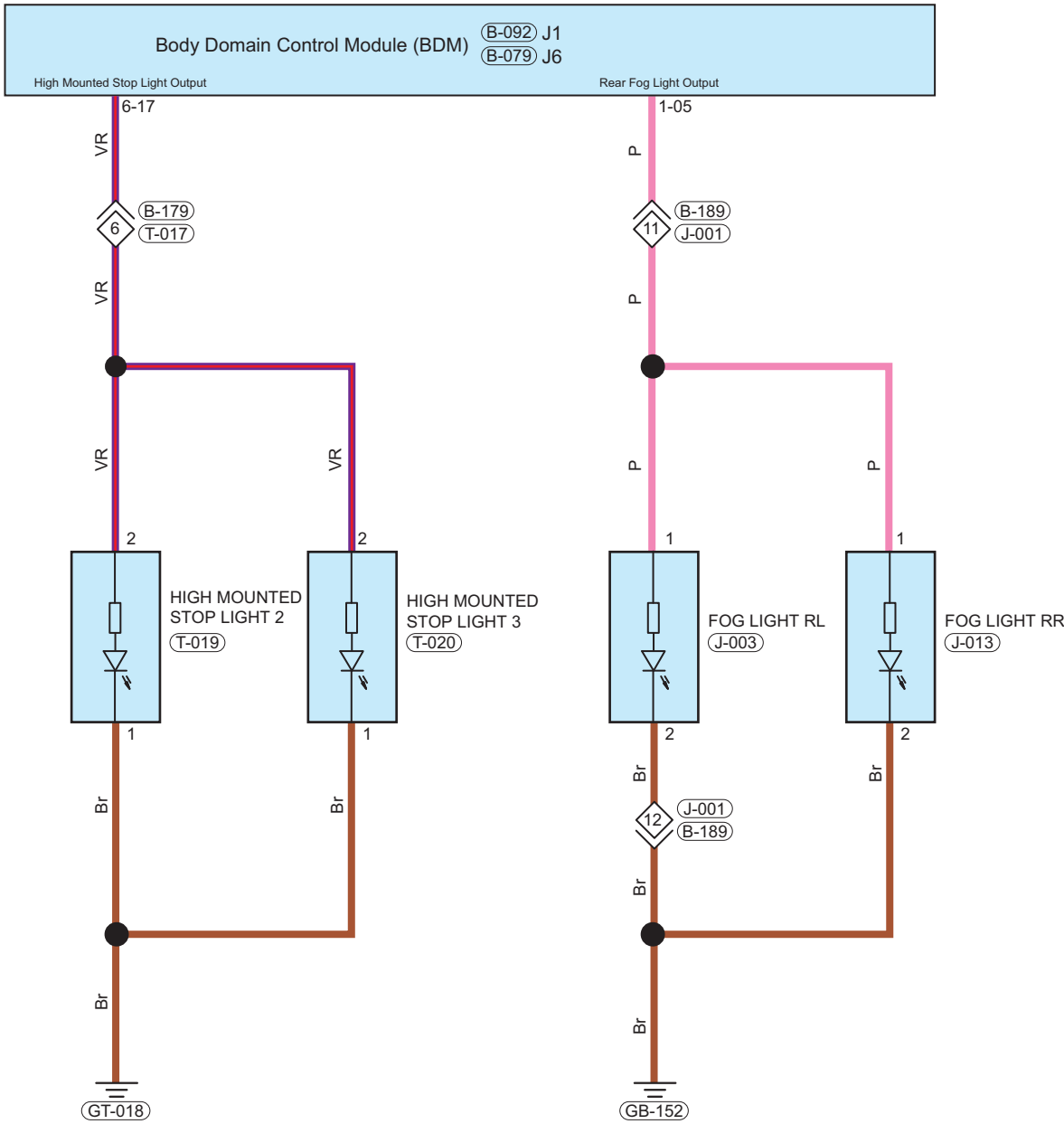
Movable Combination Light (Low Configuration)/License Plate Light



Movable Combination Light (Low Configuration)/License Plate Light

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-080 | Body Domain Control Module (BDM) J5 | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| GB-152 | G608 | 10-70 |
| B-162 | Rear Left Back Door Wire Harness Interface T-001 | 10-70 |
| B-179 | Rear Right Back Door Wire Harness Interface T-017 | 10-71 |
| T-001 | Rear Left Back Door to Interior B-162 | 10-110 |
| T-009 | Rear Left Combination Light (Through) (Low Configuration) | 10-110 |
| T-011 | Rear Left License Plate Light | 10-110 |
| T-014 | Rear Right License Plate Light | 10-110 |
| T-017 | Rear Right Back Door to Interior B-179 | 10-110 |
| GT-018 | G701 | 10-110 |
| T-023 | Rear Right Combination Light (Through) (Low Configuration) | 10-111 |

High Mounted Stop Light/Rear Fog Light

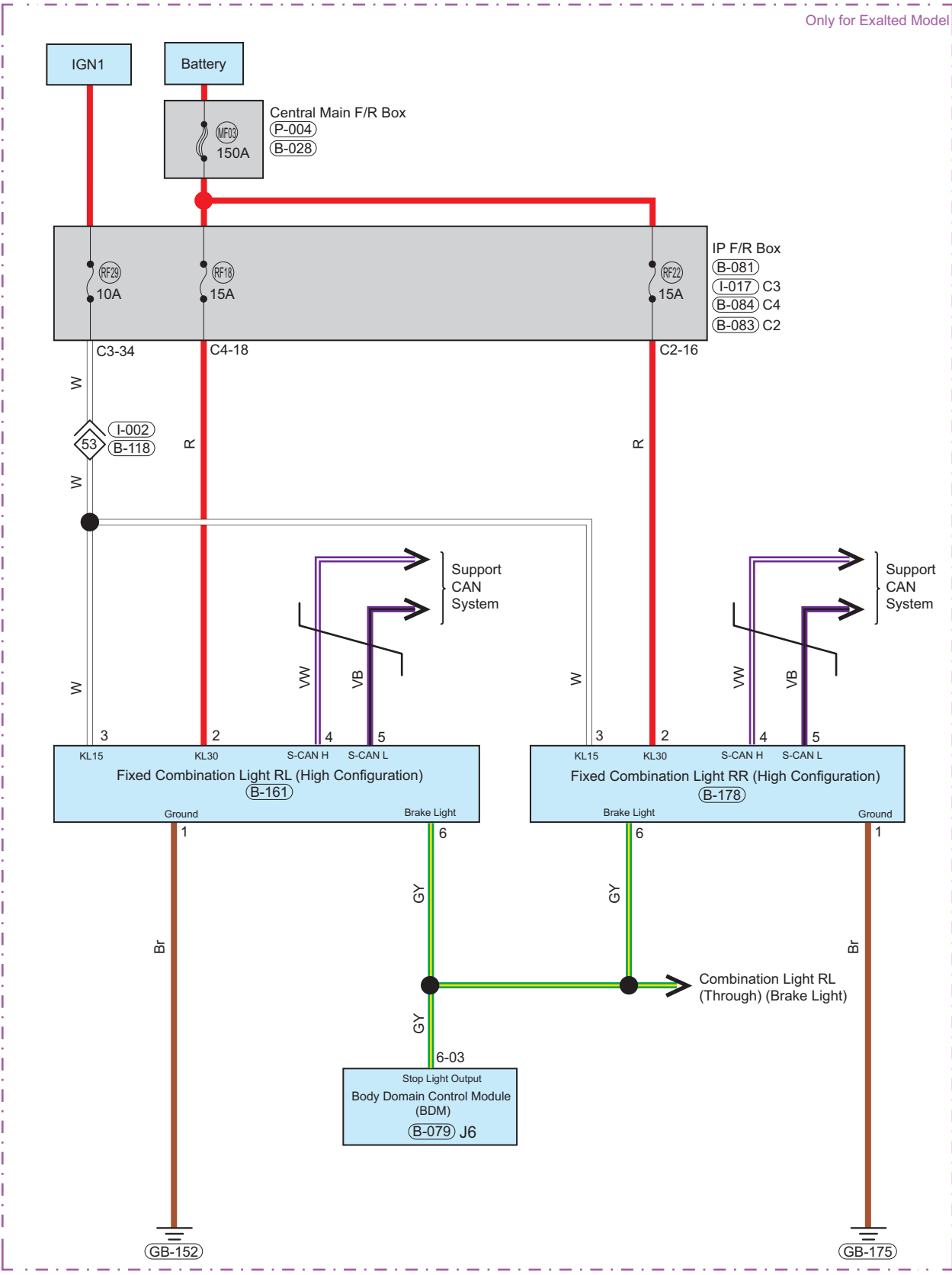


LIE007001

High Mounted Stop Light/Rear Fog Light

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-092 | Body Domain Control Module (BDM) J1 | 10-66 |
| GB-152 | G608 | 10-70 |
| B-179 | Rear Right Back Door Wire Harness Interface T-017 | 10-71 |
| B-189 | Rear Bumper Wire Harness Interface J-001 | 10-72 |
| J-001 | Rear Bumper to Interior B-189 | 10-19 |
| J-003 | Rear Left Fog Light | 10-19 |
| J-013 | Rear Right Fog Light | 10-19 |
| T-017 | Rear Right Back Door to Interior B-179 | 10-110 |
| GT-018 | G701 | 10-110 |
| T-019 | High Mounted Stop Light 2 | 10-111 |
| T-020 | High Mounted Stop Light 3 | 10-111 |

Fixed Combination Light (High Configuration)



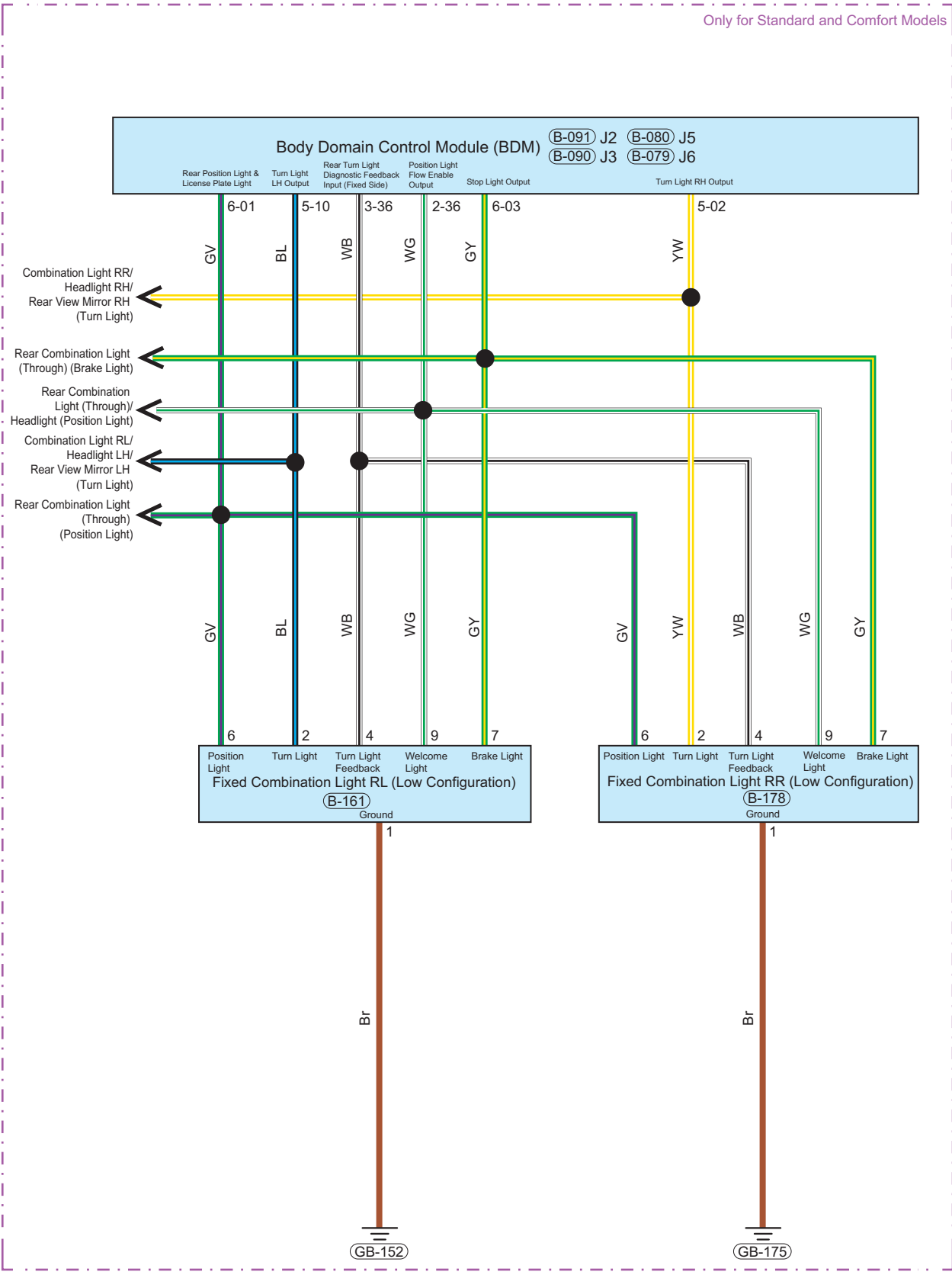
Only for Exalted Model

LIE008001

Fixed Combination Light (High Configuration)

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-084 | Instrument Panel F/R Box C4 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| GB-152 | G608 | 10-70 |
| B-161 | Rear Left Fixed Combination Light (High Configuration) | 10-70 |
| GB-175 | G615 | 10-71 |
| B-178 | Rear Right Fixed Combination Light (High Configuration) | 10-71 |

Fixed Combination Light (Low Configuration)

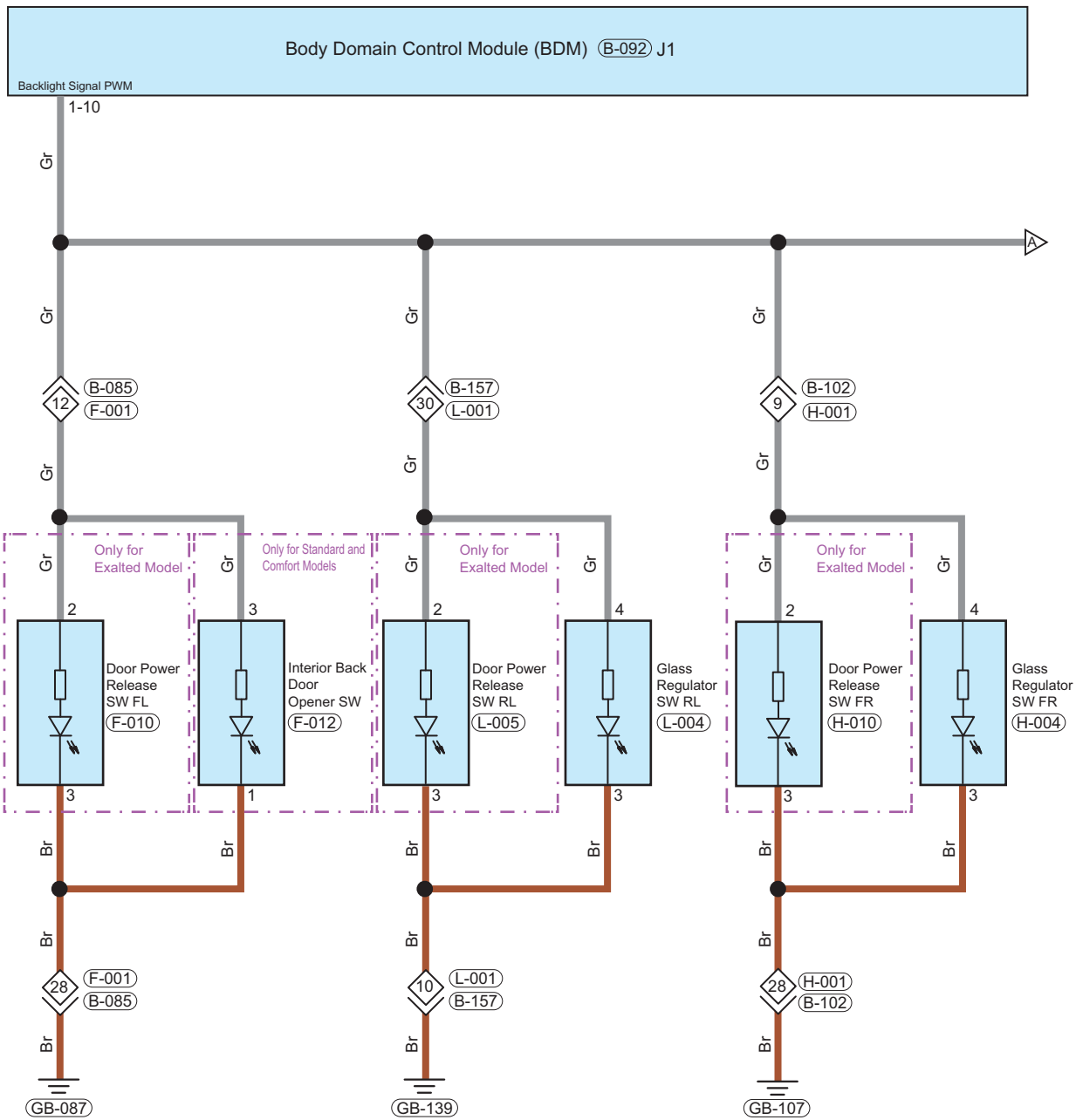


LIE009001

Fixed Combination Light (Low Configuration)

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-080 | Body Domain Control Module (BDM) J5 | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| GB-152 | G608 | 10-70 |
| B-161 | Rear Left Fixed Combination Light (Low Configuration) | 10-70 |
| GB-175 | G615 | 10-71 |
| B-178 | Rear Right Fixed Combination Light (Low Configuration) | 10-71 |

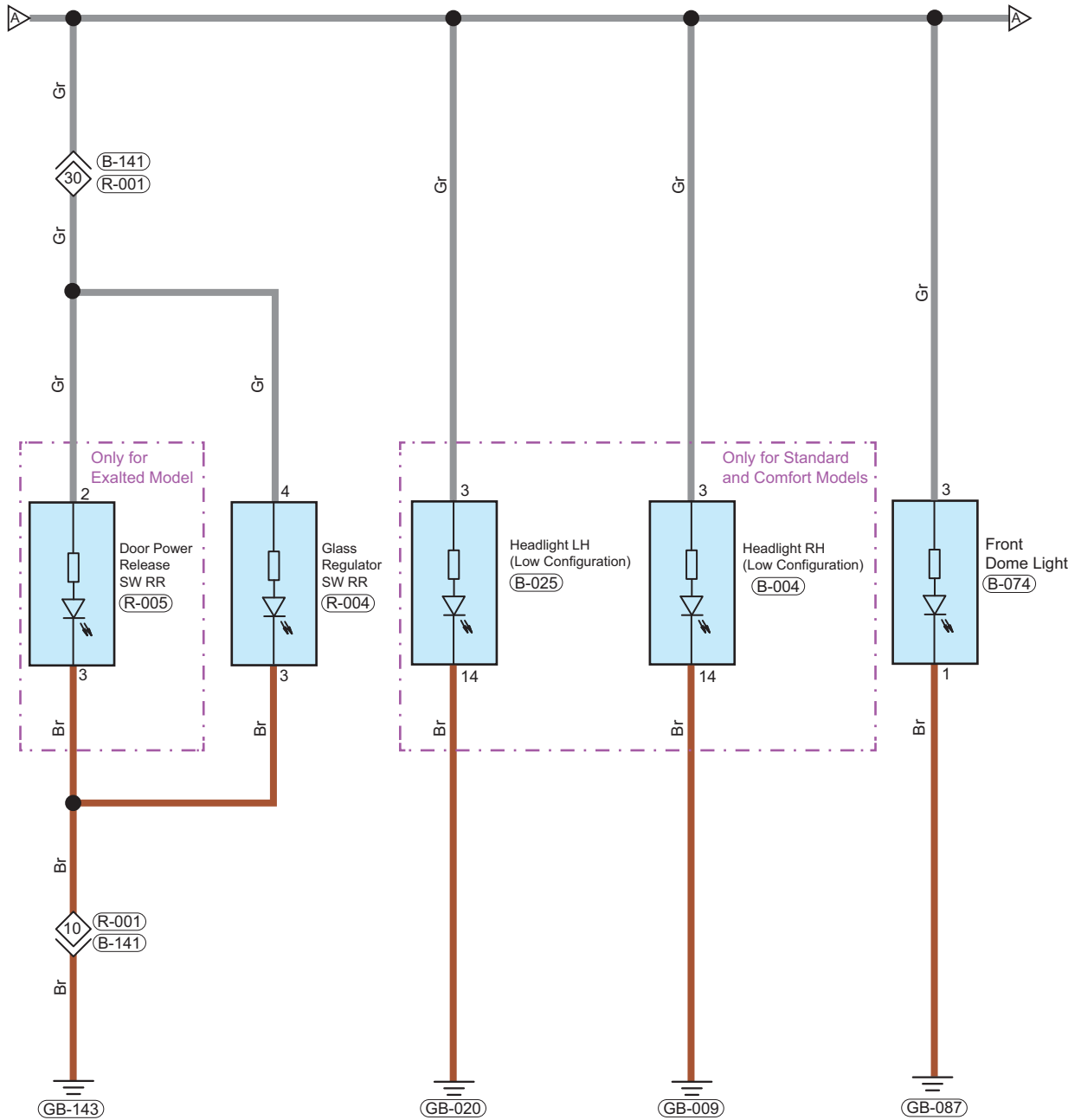
Backlight



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LIE10001

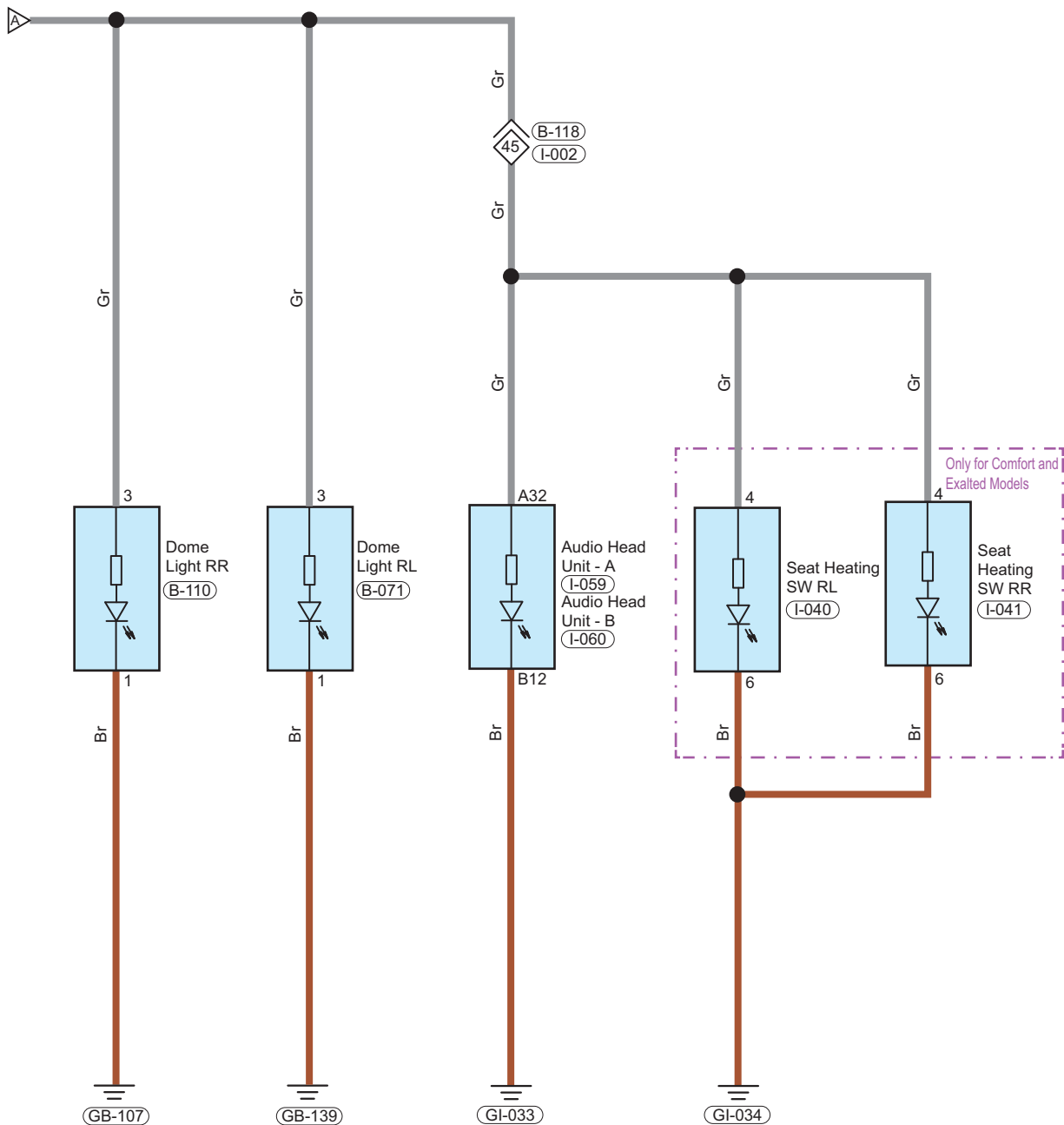
Backlight



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LIE011001

Backlight

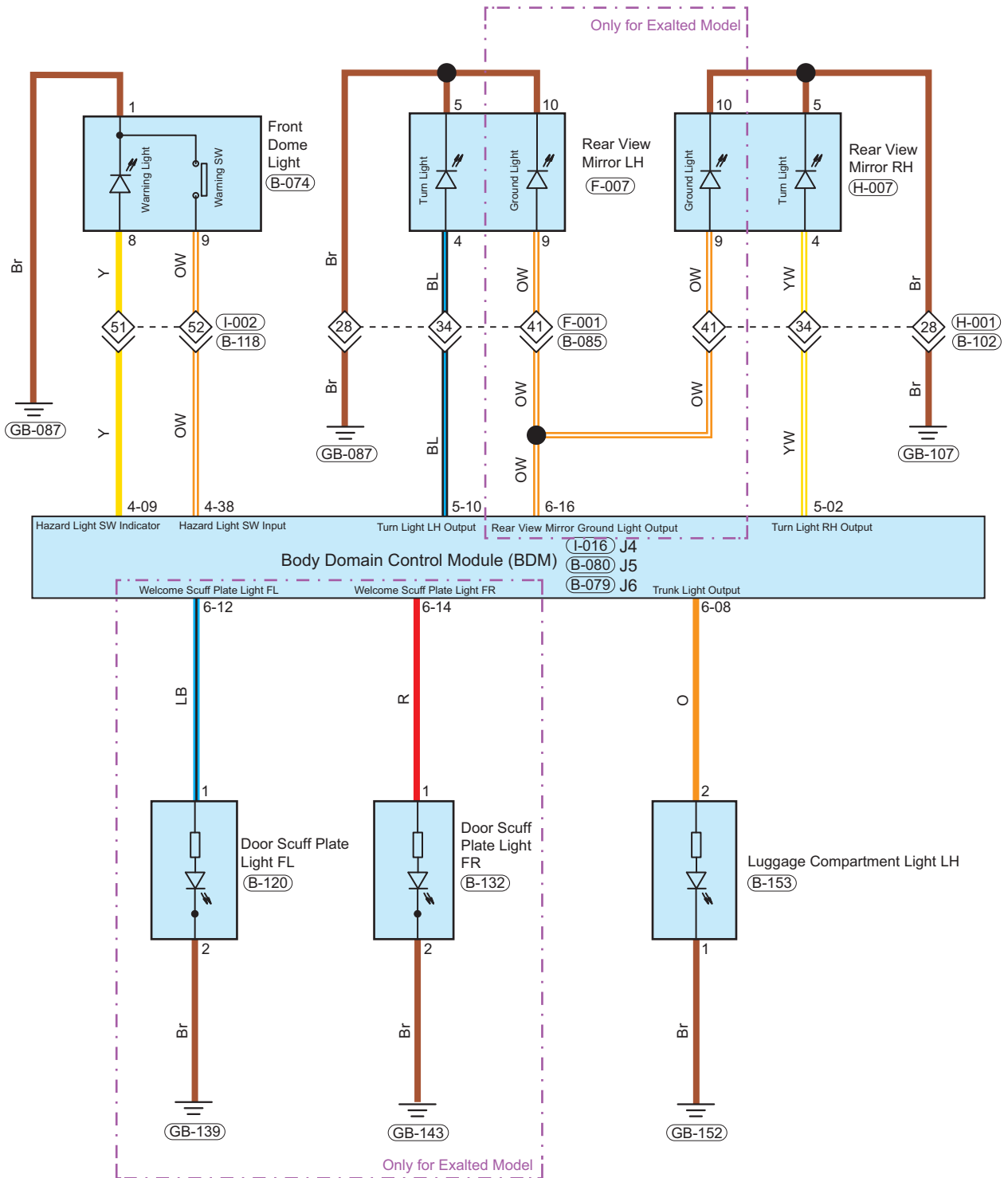


Backlight

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| GI-033 | G502 | 10-90 |
| GI-034 | G503 | 10-90 |
| I-040 | Rear Left Seat Heating Switch | 10-91 |
| I-041 | Rear Right Seat Heating Switch | 10-91 |
| I-059 | Audio Head Unit - A | 10-92 |
| I-060 | Audio Head Unit - B | 10-92 |
| B-004 | Right Headlight (Low Configuration) | 10-62 |
| B-025 | Left Headlight (Low Configuration) | 10-62 |
| B-071 | Rear Left Dome Light | 10-65 |
| B-074 | Front Dome Light | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-092 | Body Domain Control Module (BDM) J1 | 10-66 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| B-110 | Rear Right Dome Light | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-010 | Front Left Door Power Release Switch | 10-96 |
| F-012 | Interior Back Door Opener Switch | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-004 | Front Right Glass Regulator Switch | 10-98 |
| H-010 | Front Right Door Power Release Switch | 10-98 |

| Wire Harness Connector | Name | Page Number |
|------------------------|--------------------------------------|-------------|
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-004 | Rear Left Glass Regulator Switch | 10-101 |
| L-005 | Rear Left Door Power Release Switch | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-004 | Rear Right Glass Regulator Switch | 10-104 |
| R-005 | Rear Right Door Power Release Switch | 10-104 |

Warning Light/Luggage Compartment Light/Rocker Light/Ground Light/ Turn Light



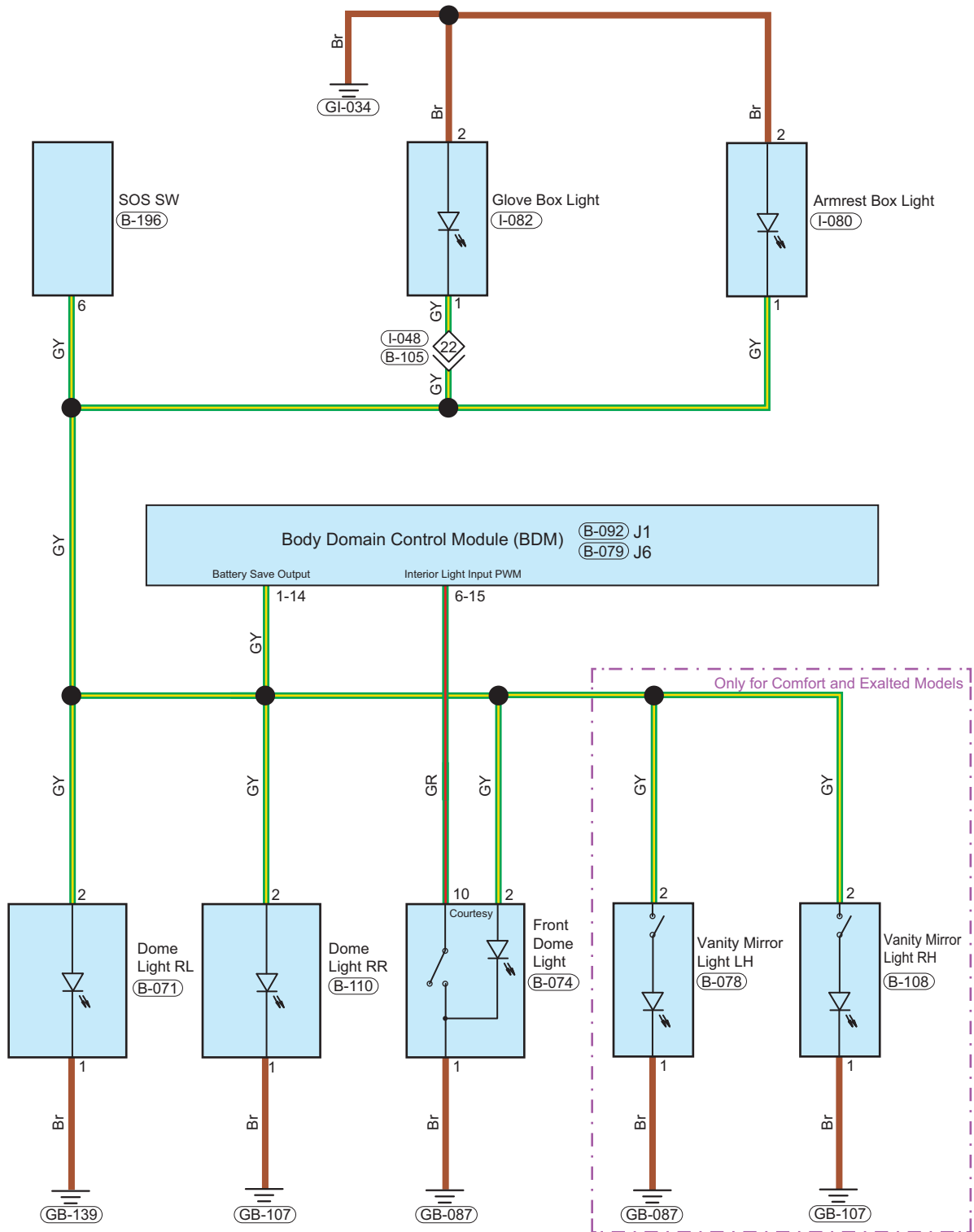
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LIE013001

Warning Light/Luggage Compartment Light/Rocker Light/Ground Light/ Turn Light

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| B-074 | Front Dome Light | 10-65 |
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-080 | Body Domain Control Module (BDM) J5 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-120 | Front Left Rocker Light | 10-68 |
| B-132 | Front Right Rocker Light | 10-69 |
| GB-139 | G607-2 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| GB-152 | G608 | 10-70 |
| B-153 | Left Luggage Compartment Light | 10-70 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-007 | Left Rear View Mirror | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-007 | Right Rear View Mirror | 10-98 |

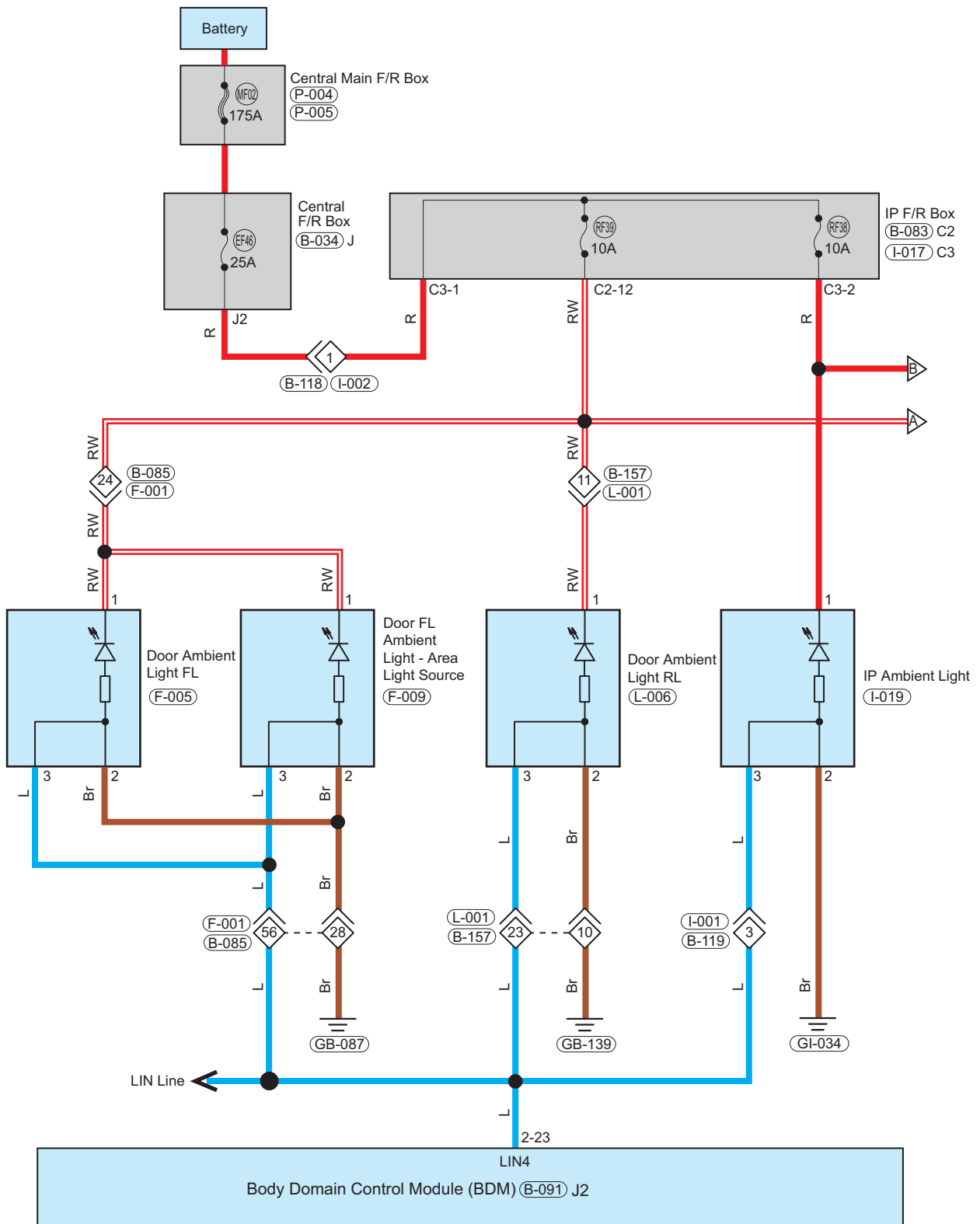
Vanity Mirror Light/Dome Light/Glove Box Light/Armrest Box Light/SOS Switch



Vanity Mirror Light/Dome Light

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| B-071 | Rear Left Dome Light | 10-65 |
| B-074 | Front Dome Light | 10-65 |
| B-078 | Left Vanity Mirror Light | 10-65 |
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| GB-087 | G605 | 10-65 |
| B-092 | Body Domain Control Module (BDM) J1 | 10-66 |
| GB-107 | G610 | 10-67 |
| B-108 | Right Vanity Mirror Light | 10-67 |
| B-110 | Rear Right Dome Light | 10-67 |
| GB-139 | G607-2 | 10-69 |
| B-105 | Instrument Panel Wire Harness Interface - R I-048 | 10-67 |
| B-196 | SOS Switch | 10-72 |
| I-048 | Instrument Panel to Interior Right I-048 | 10-91 |
| I-082 | Glove Box Light | 10-93 |
| I-080 | Armrest Box Light | 10-93 |
| GI-034 | G503 | 10-90 |

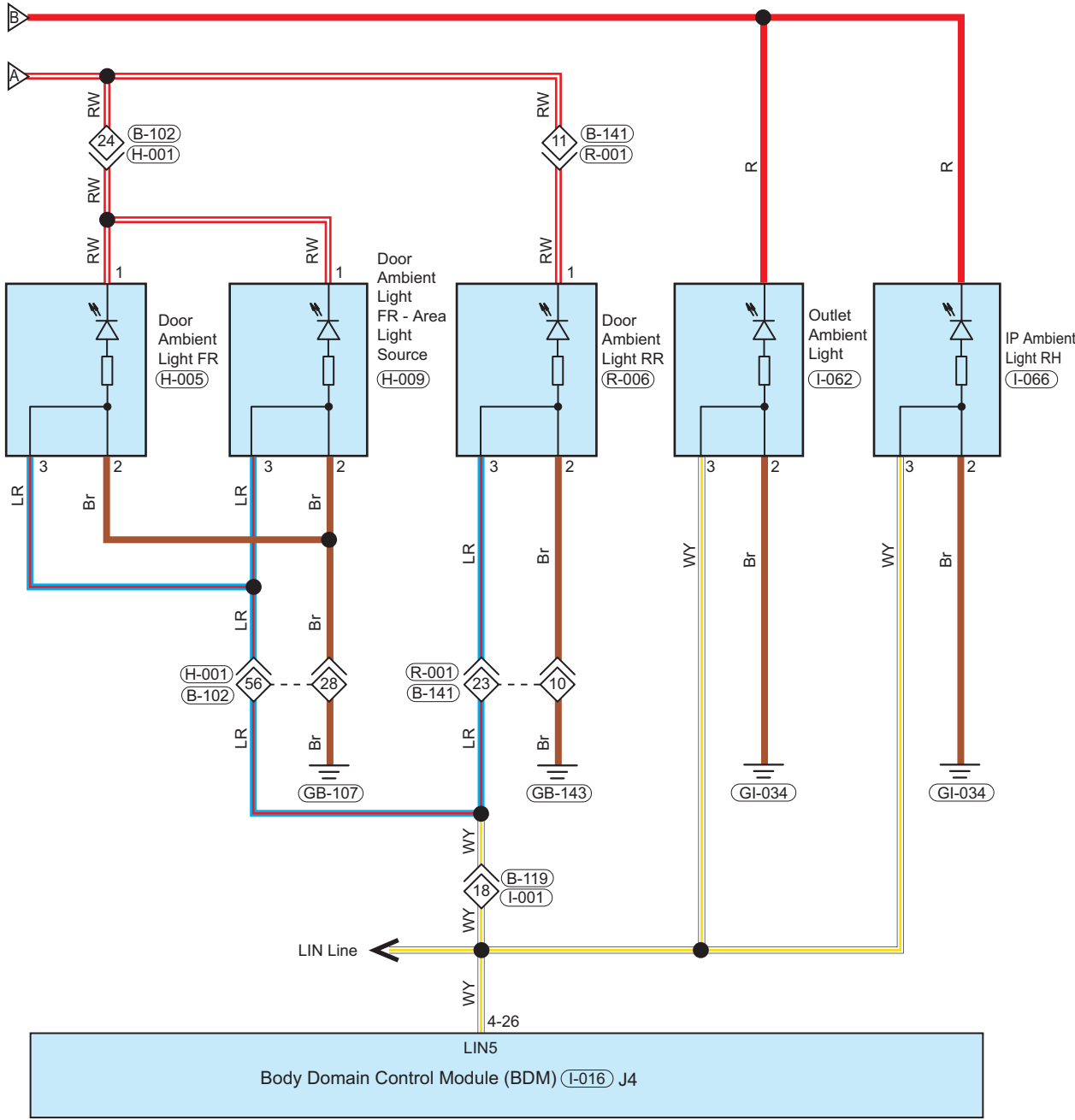
Ambient Light



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LIE015001

Ambient Light



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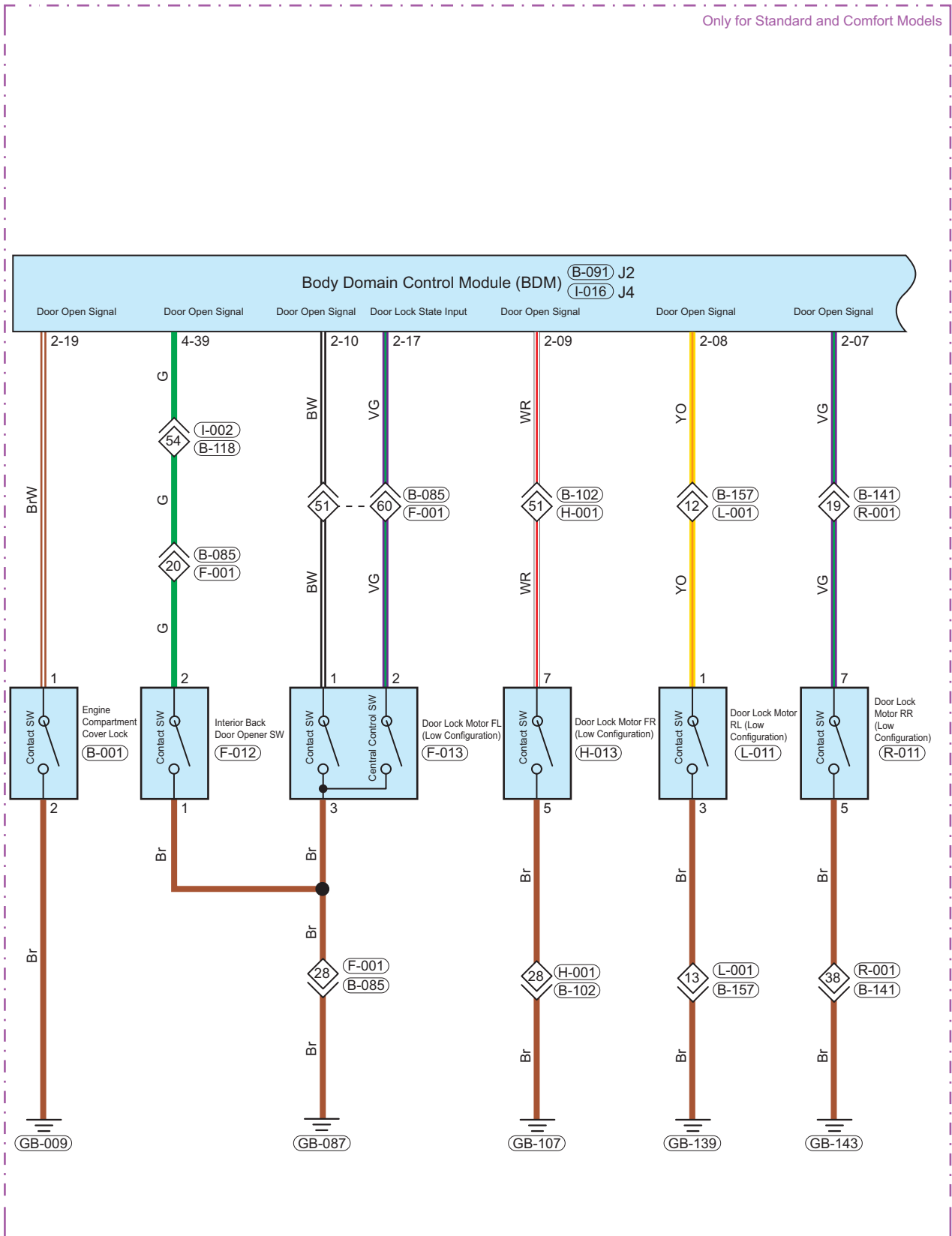
LIE016001

Ambient Light

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-001 | Instrument Panel to Interior Left 1 B-119 | 10-89 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-019 | Instrument Panel Ambient Light | 10-90 |
| GI-034 | G503 | 10-90 |
| I-062 | Outlet Ambient Light | 10-92 |
| I-066 | Instrument Panel Right Ambient Light | 10-92 |
| B-034 | Central F/R Box J | 10-63 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-005 | Front Left Door Ambient Light | 10-96 |
| F-009 | Front Left Door Ambient Light - Area Light Source | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-005 | Front Right Door Ambient Light | 10-98 |

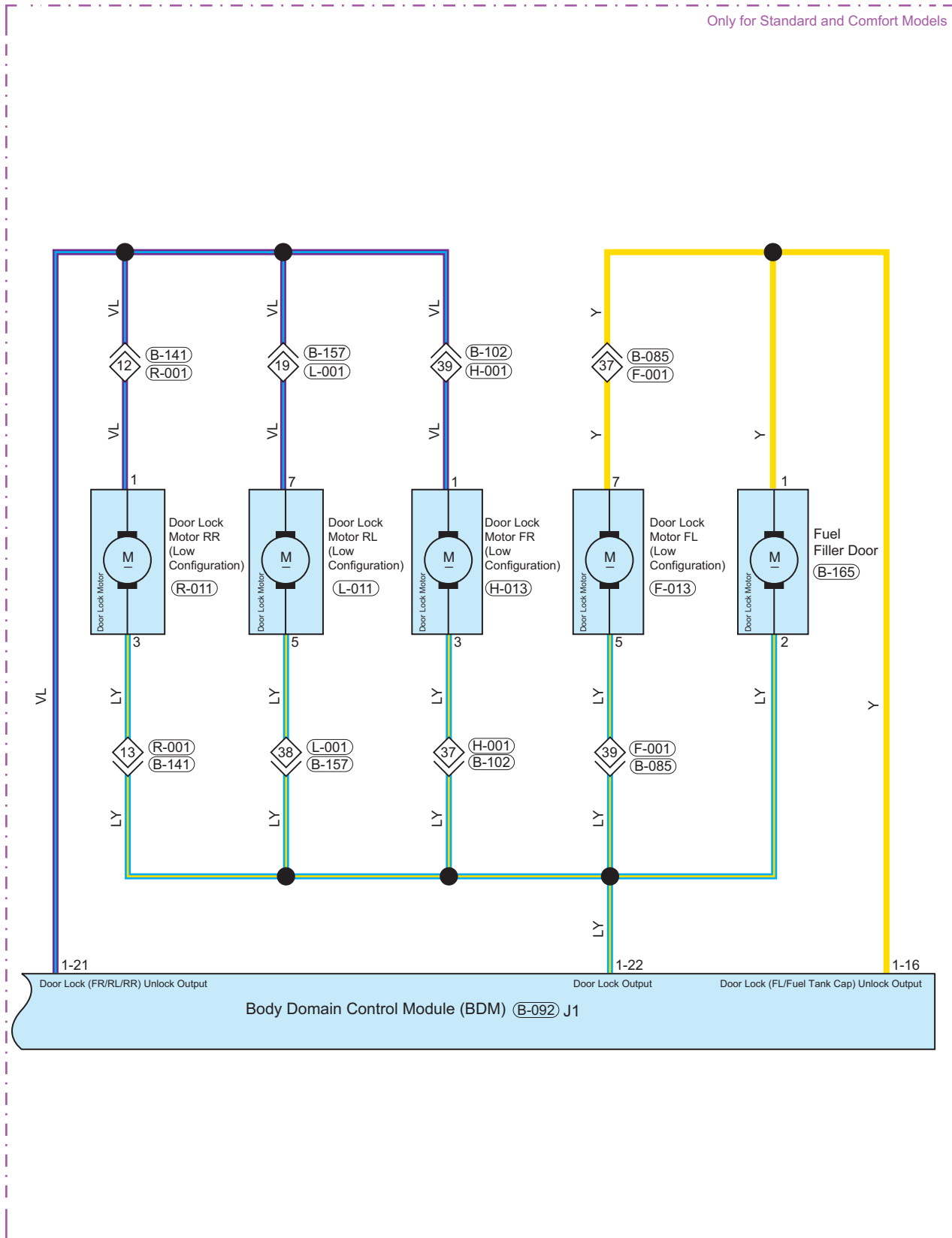
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| H-009 | Front Right Door Ambient Light - Area Light Source | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-006 | Rear Left Door Ambient Light | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-006 | Rear Right Door Ambient Light | 10-104 |

Door Lock - Low Configuration/Fuel Tank Cap Motor



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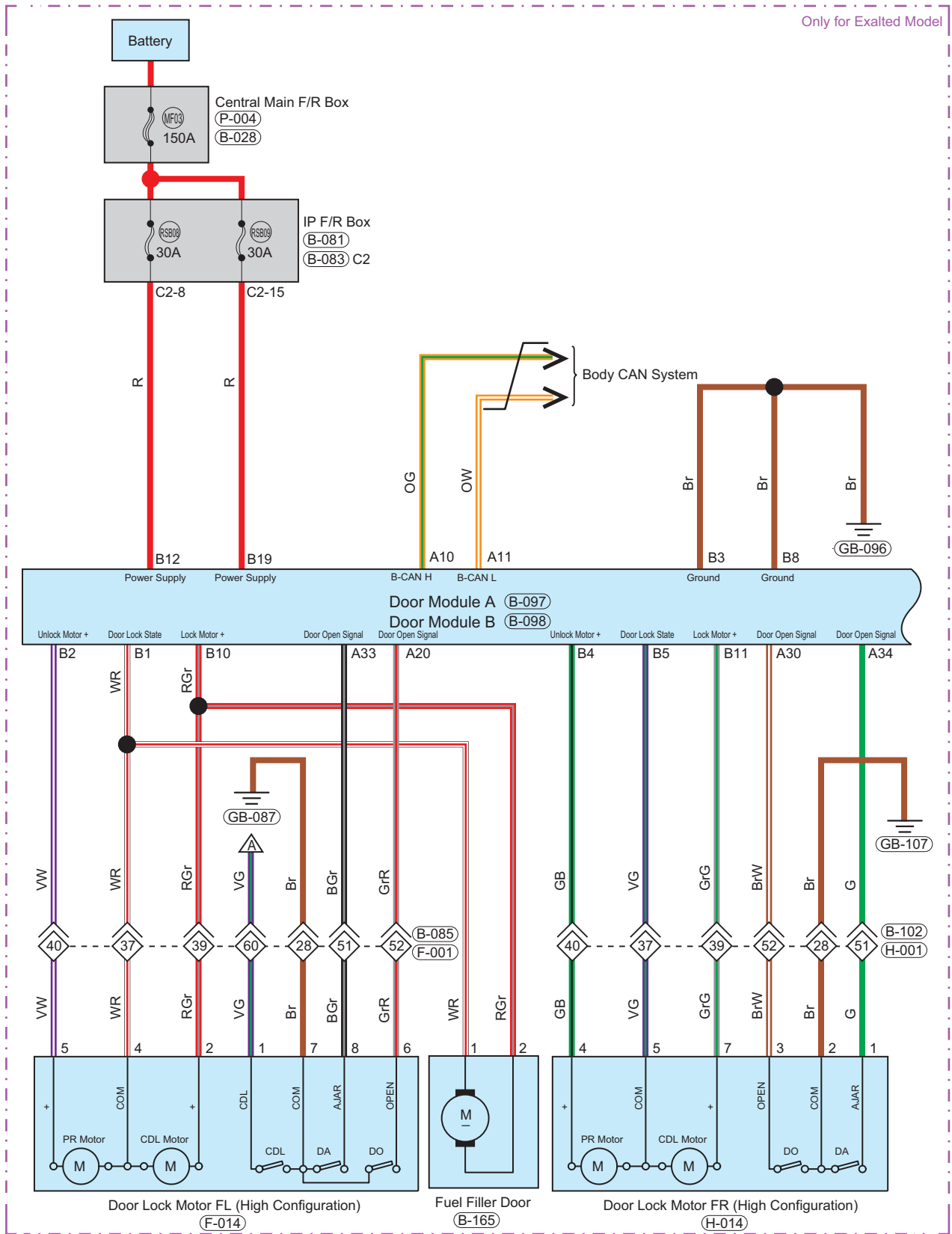
Door Lock - Low Configuration/Fuel Tank Cap Motor



Door Lock - Low Configuration/Fuel Tank Cap Motor

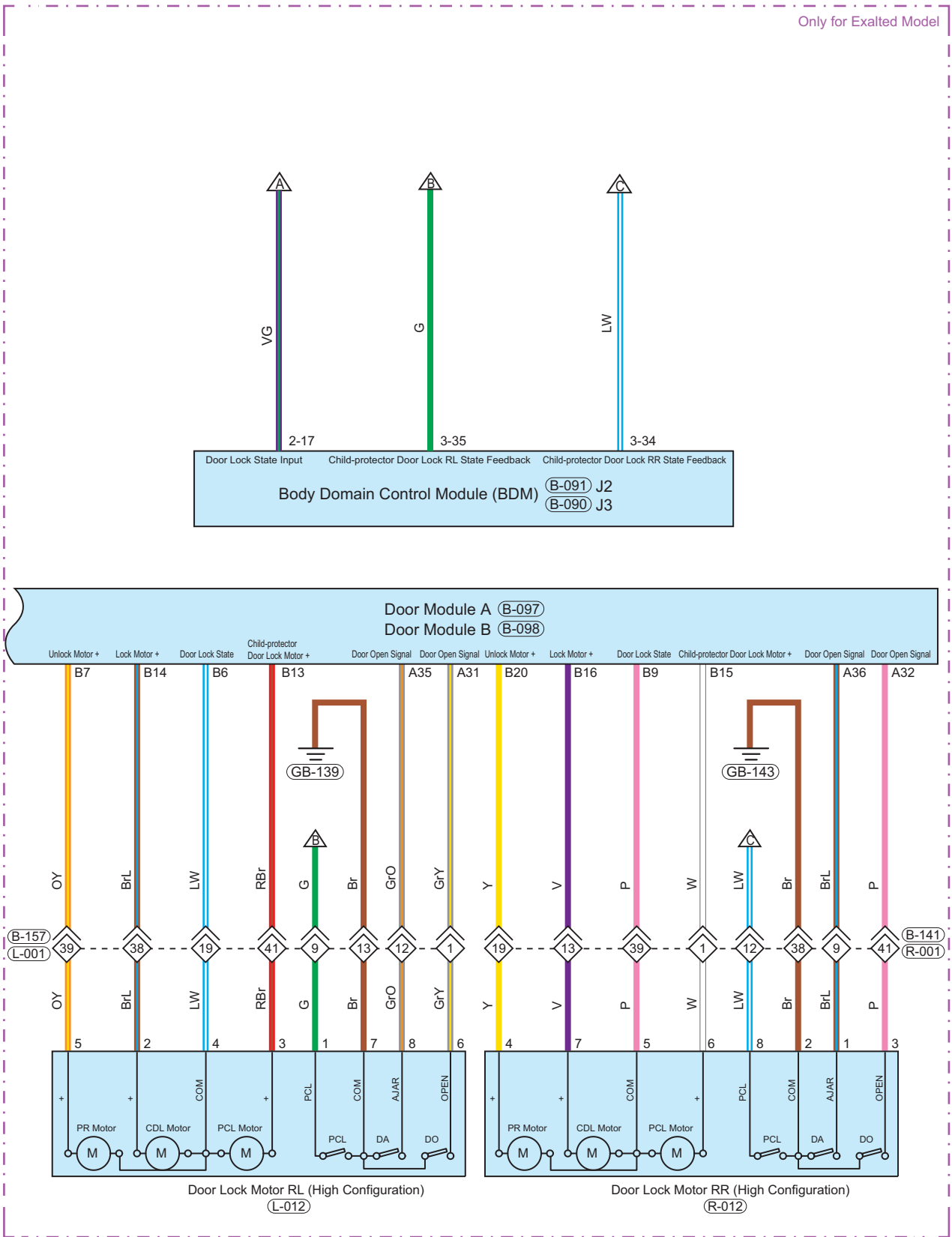
| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| B-001 | Front Compartment Cover Lock | 10-62 |
| GB-009 | G101 | 10-62 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-092 | Body Domain Control Module (BDM) J1 | 10-66 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| B-165 | Fuel Filler Door | 10-71 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-012 | Interior Back Door Opener Switch | 10-96 |
| F-013 | Front Left Door Lock Motor (Low Configuration) | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-013 | Front Right Door Lock Motor (Low Configuration) | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-011 | Rear Left Door Lock Motor (Low Configuration) | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-011 | Rear Right Door Lock Motor (Low Configuration) | 10-104 |

Door Lock - High Configuration



DLE003001

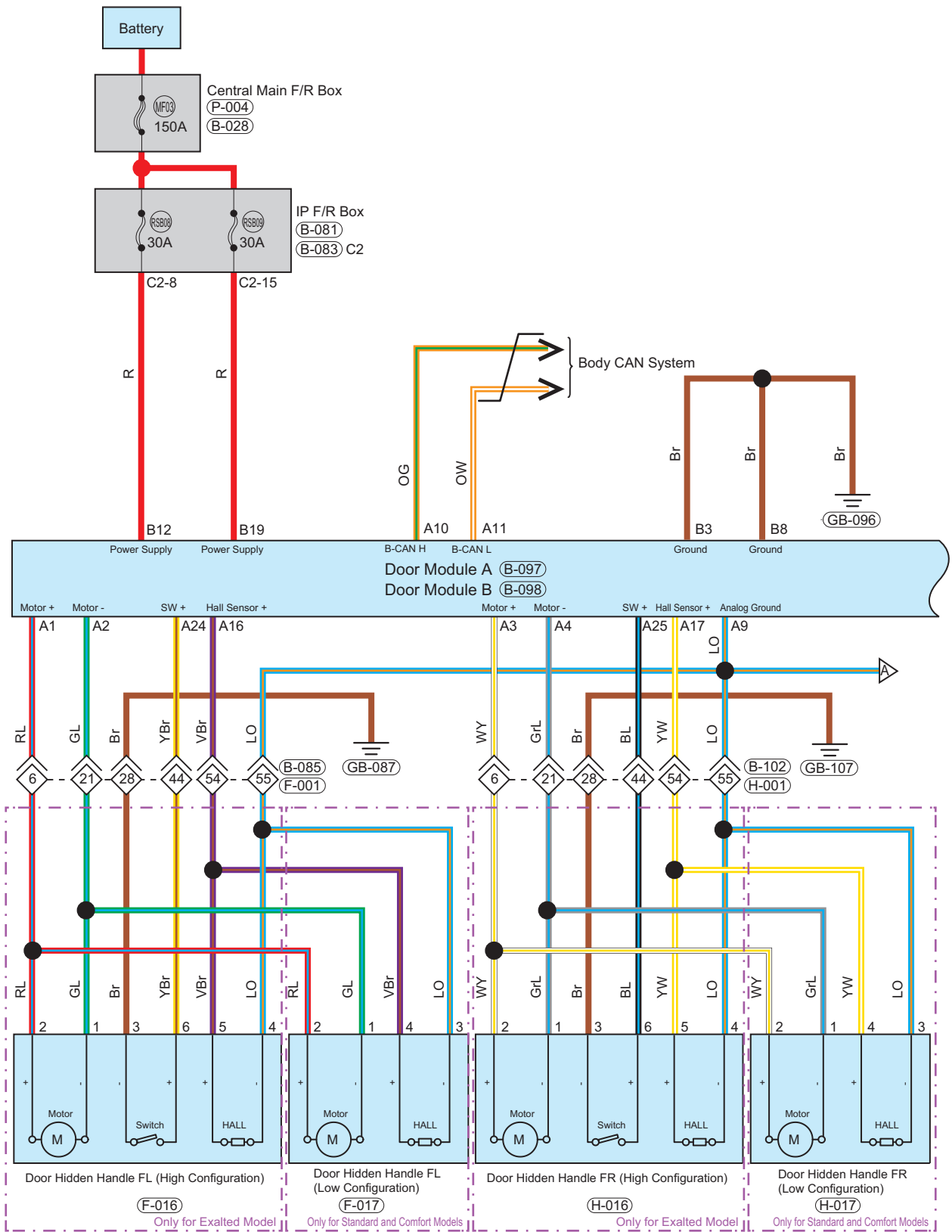
Door Lock - High Configuration



Door Lock - High Configuration

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| GB-096 | G505 | 10-66 |
| B-097 | Door Module A | 10-66 |
| B-098 | Door Module B | 10-66 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| B-165 | Fuel Filler Door | 10-71 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-014 | Front Left Door Lock Motor (High Configuration) | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-014 | Front Right Door Lock Motor (High Configuration) | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-012 | Rear Left Door Lock Motor (High Configuration) | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-012 | Rear Right Door Lock Motor (High Configuration) | 10-104 |

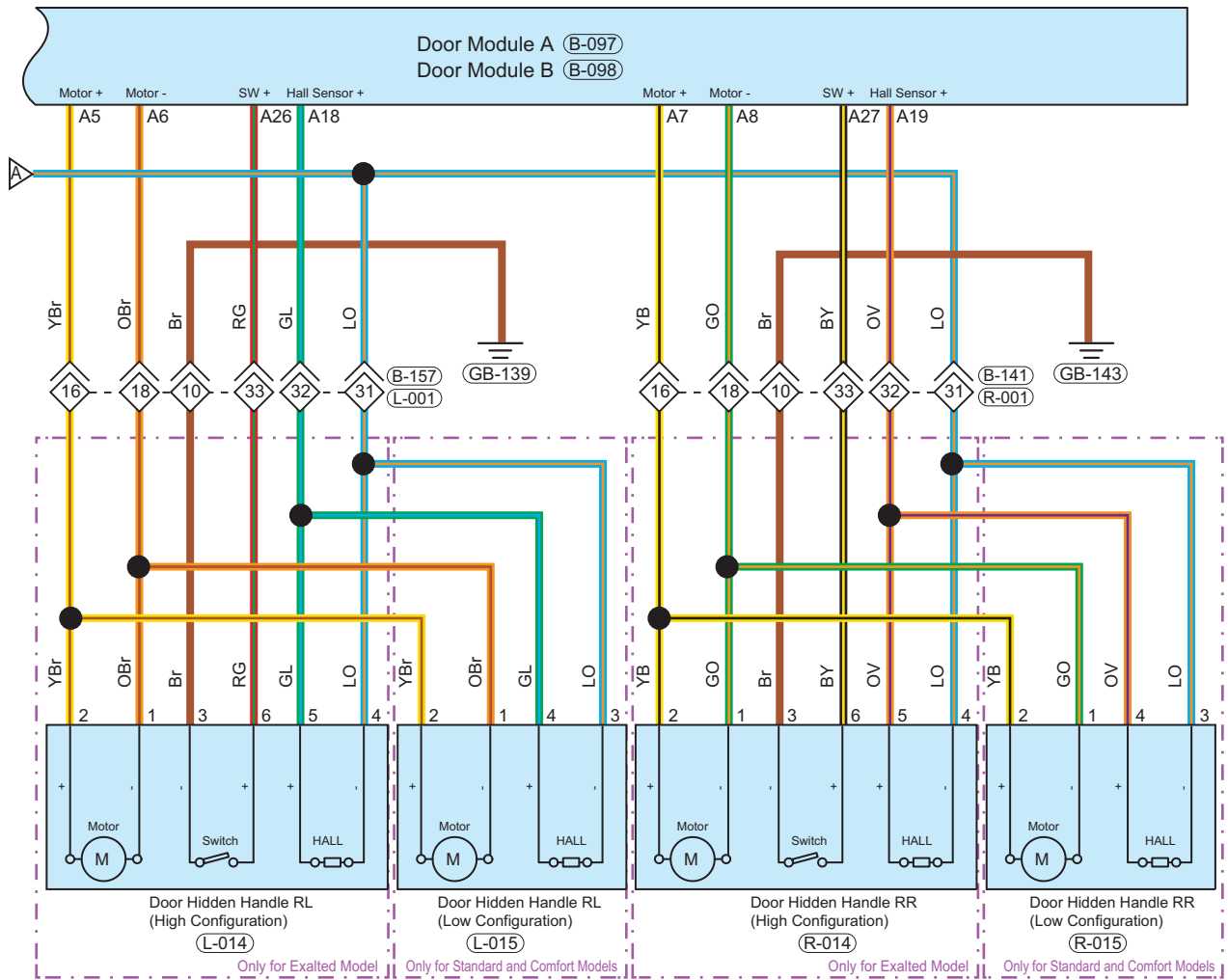
Hidden Door Handle



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DLE005001

Hidden Door Handle



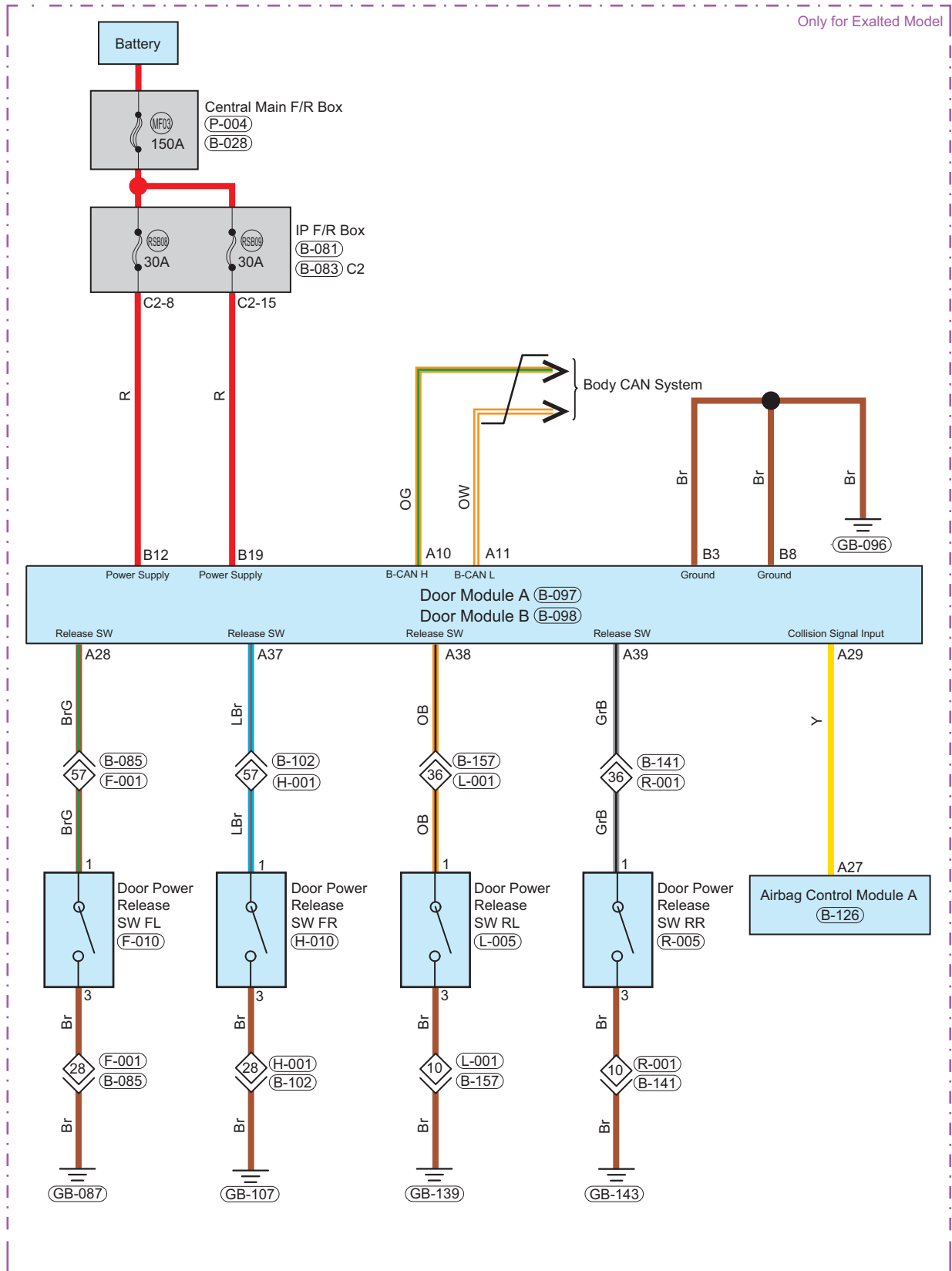
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DLE006001

Hidden Door Handle

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| GB-096 | G505 | 10-66 |
| B-097 | Door Module A | 10-66 |
| B-098 | Door Module B | 10-66 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-016 | Front Left Door Hidden Handle (High Configuration) | 10-96 |
| F-017 | Front Left Door Hidden Handle (Low Configuration) | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-016 | Front Right Door Hidden Handle (High Configuration) | 10-98 |
| H-017 | Front Right Door Hidden Handle (Low Configuration) | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-014 | Rear Left Door Hidden Handle (High Configuration) | 10-101 |
| L-015 | Rear Left Door Hidden Handle (Low Configuration) | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-014 | Rear Right Door Hidden Handle (High Configuration) | 10-104 |
| R-015 | Rear Right Door Hidden Handle (Low Configuration) | 10-104 |

Power Release Switch

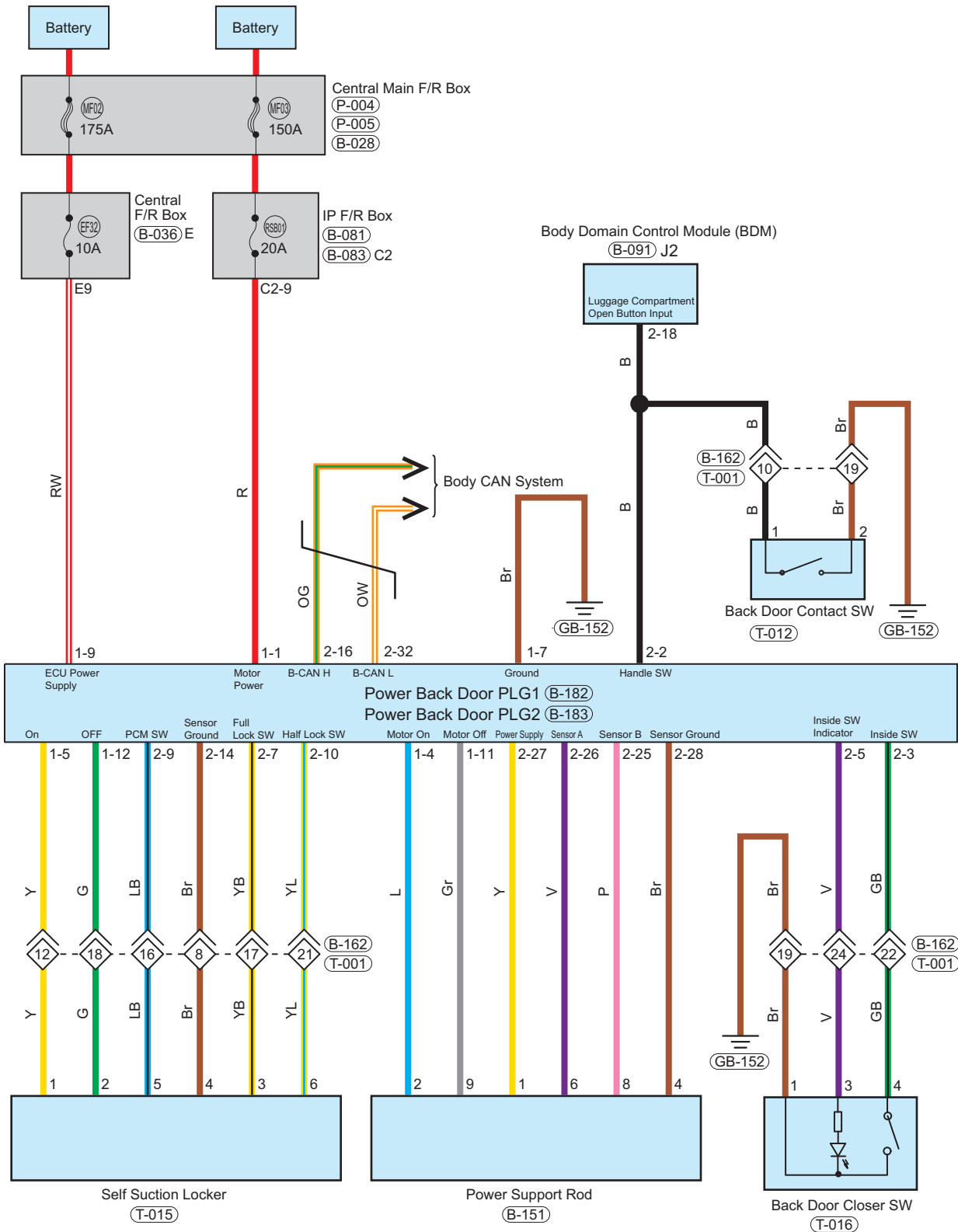


DLE007001

Power Release Switch

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| GB-096 | G505 | 10-66 |
| B-097 | Door Module A | 10-66 |
| B-098 | Door Module B | 10-66 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| B-126 | Airbag Control Module - A | 10-69 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-010 | Front Left Door Power Release Switch | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-010 | Front Right Door Power Release Switch | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-005 | Rear Left Door Power Release Switch | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-005 | Rear Right Door Power Release Switch | 10-104 |

Power Back Door System (PLG)

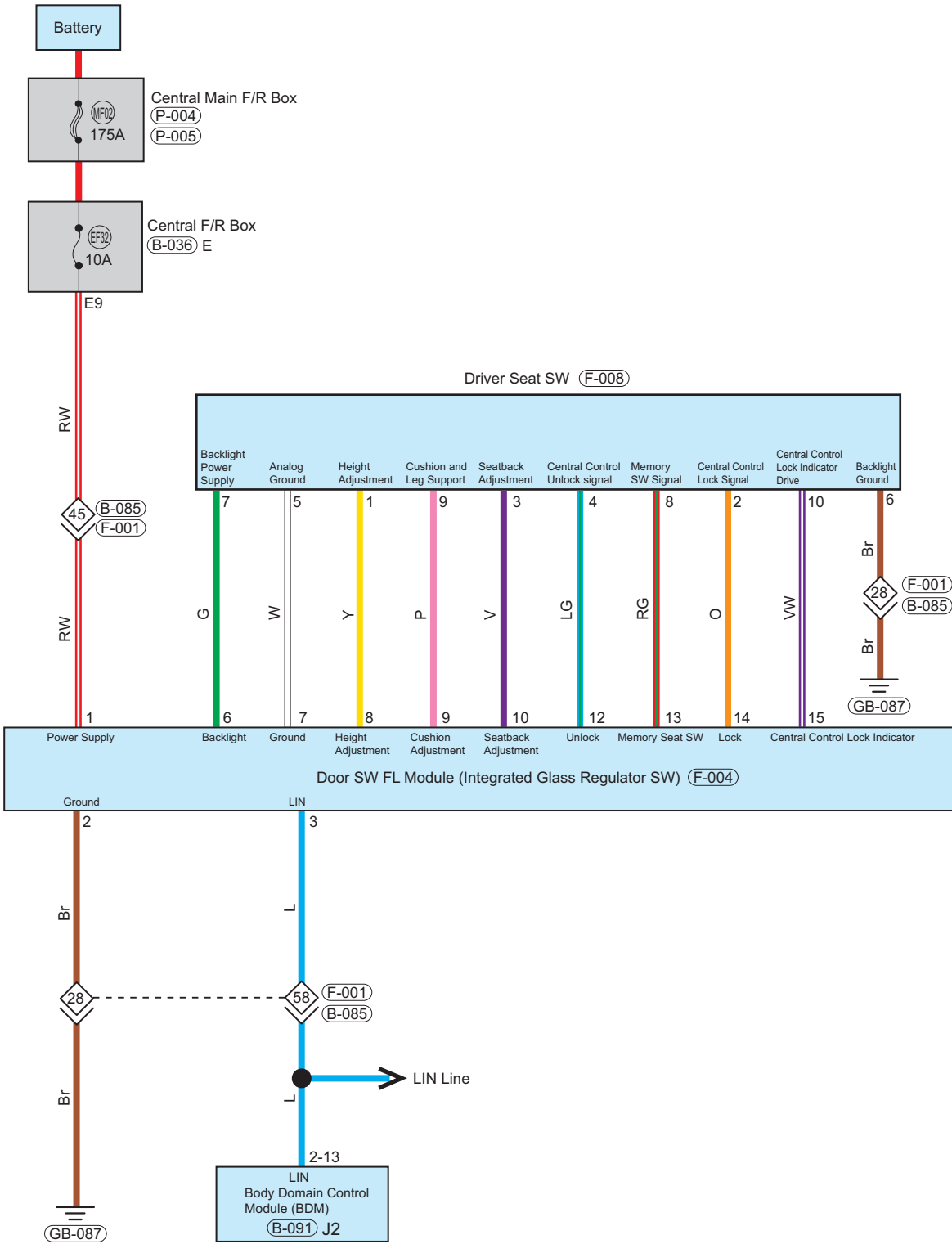


DLE008001

Power Back Door System (PLG)

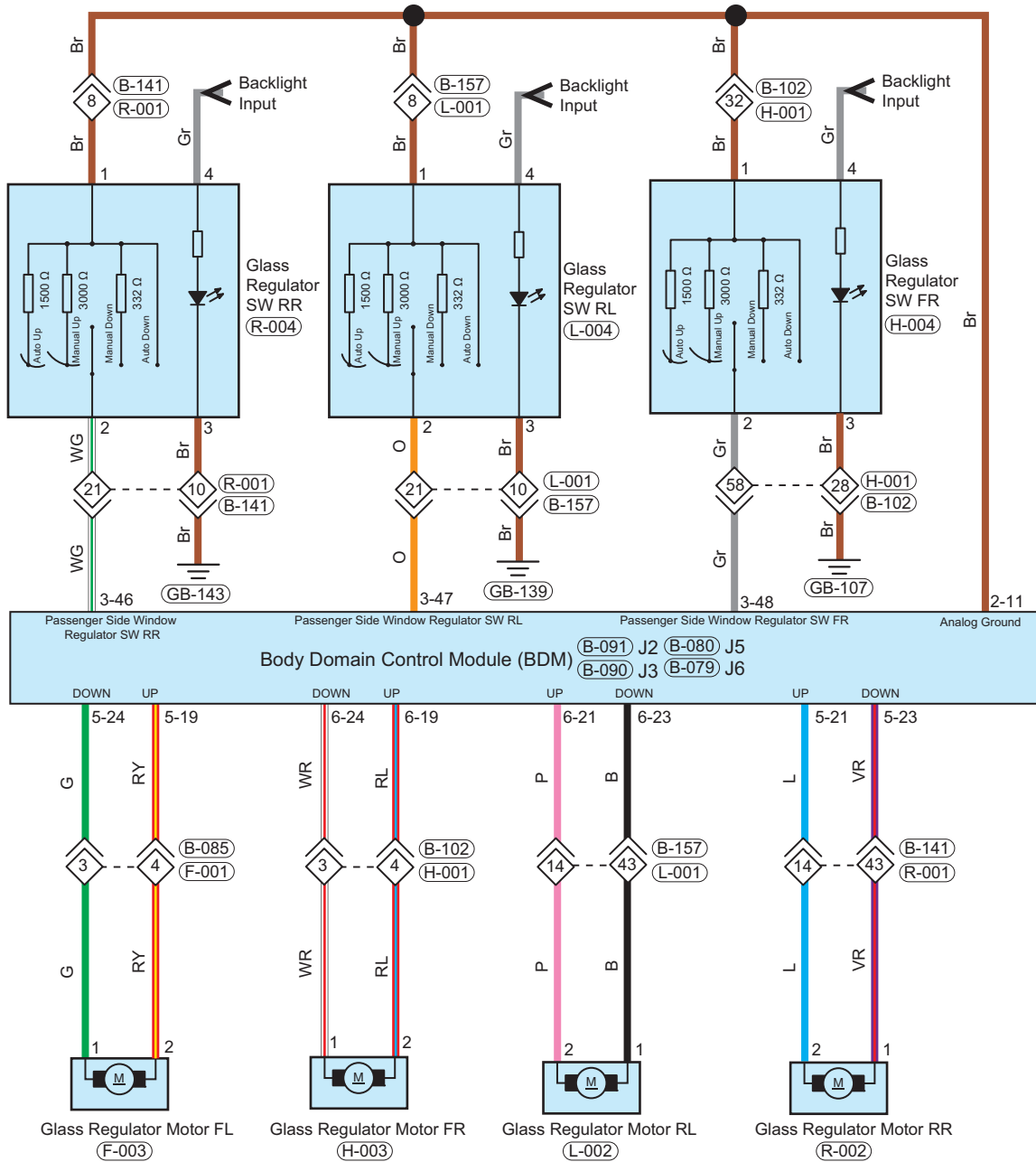
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-036 | Central F/R Box E | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-151 | Power Support Rod | 10-70 |
| GB-152 | G608 | 10-70 |
| B-162 | Rear Left Back Door Wire Harness Interface T-001 | 10-70 |
| B-182 | Power Back Door PLG1 | 10-71 |
| B-183 | Power Back Door PLG2 | 10-71 |
| T-001 | Rear Left Back Door to Interior B-162 | 10-110 |
| T-012 | Back Door Contact Switch | 10-110 |
| T-015 | Self Suction Locker | 10-110 |
| T-016 | Back Door Closer Switch | 10-110 |

Window



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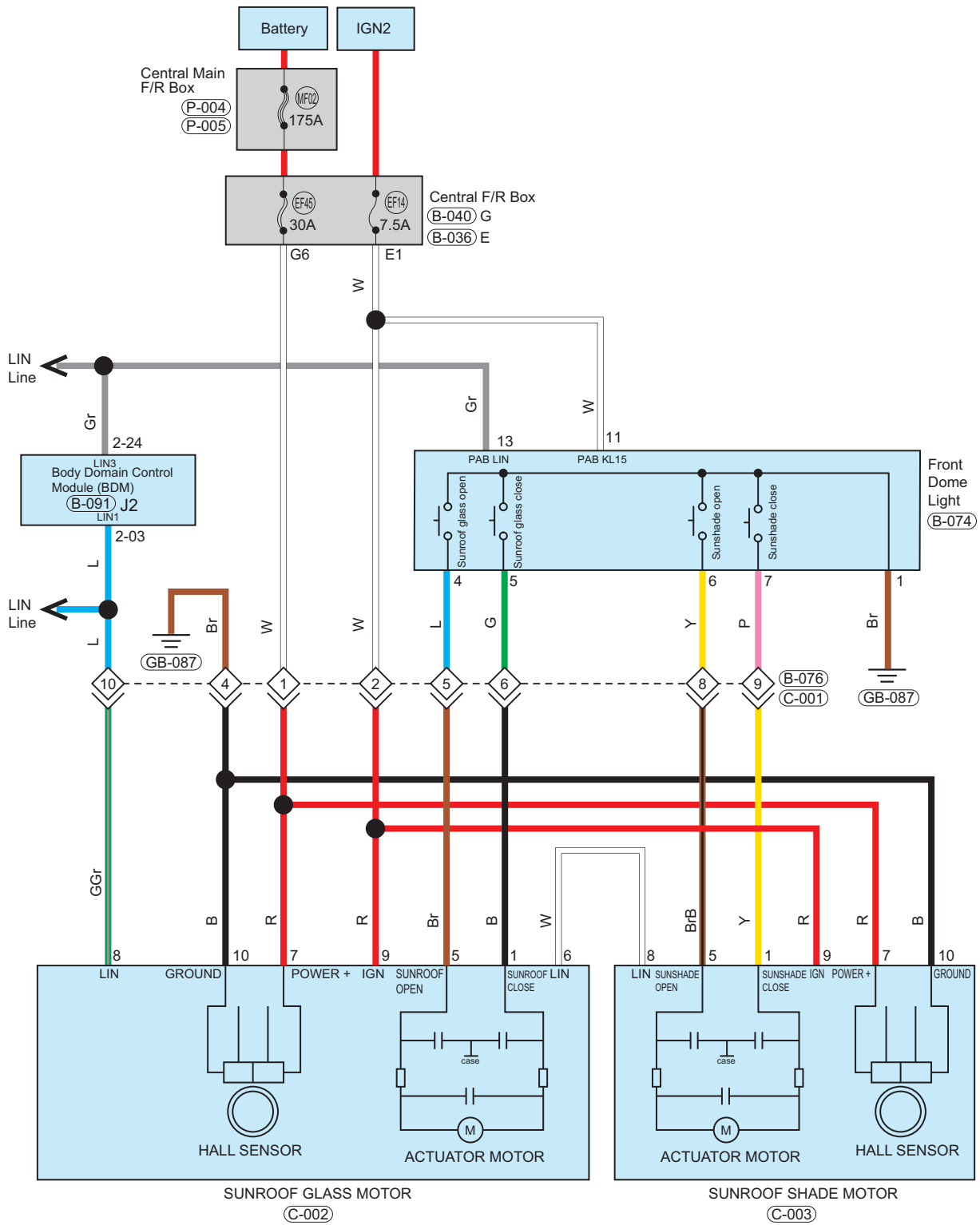
Window



Window

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| B-036 | Central F/R Box E | 10-63 |
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-080 | Body Domain Control Module (BDM) J5 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-003 | Front Left Glass Regulator Motor | 10-96 |
| F-004 | Front Left Door Switch Module (Integrated Glass Regulator Switch) | 10-96 |
| F-008 | Driver Seat Switch | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-003 | Front Right Glass Regulator Motor | 10-98 |
| H-004 | Front Right Glass Regulator Switch | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-002 | Rear Left Glass Regulator Motor | 10-101 |
| L-004 | Rear Left Glass Regulator Switch | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-002 | Rear Right Glass Regulator Motor | 10-104 |
| R-004 | Rear Right Glass Regulator Switch | 10-104 |

Sunroof



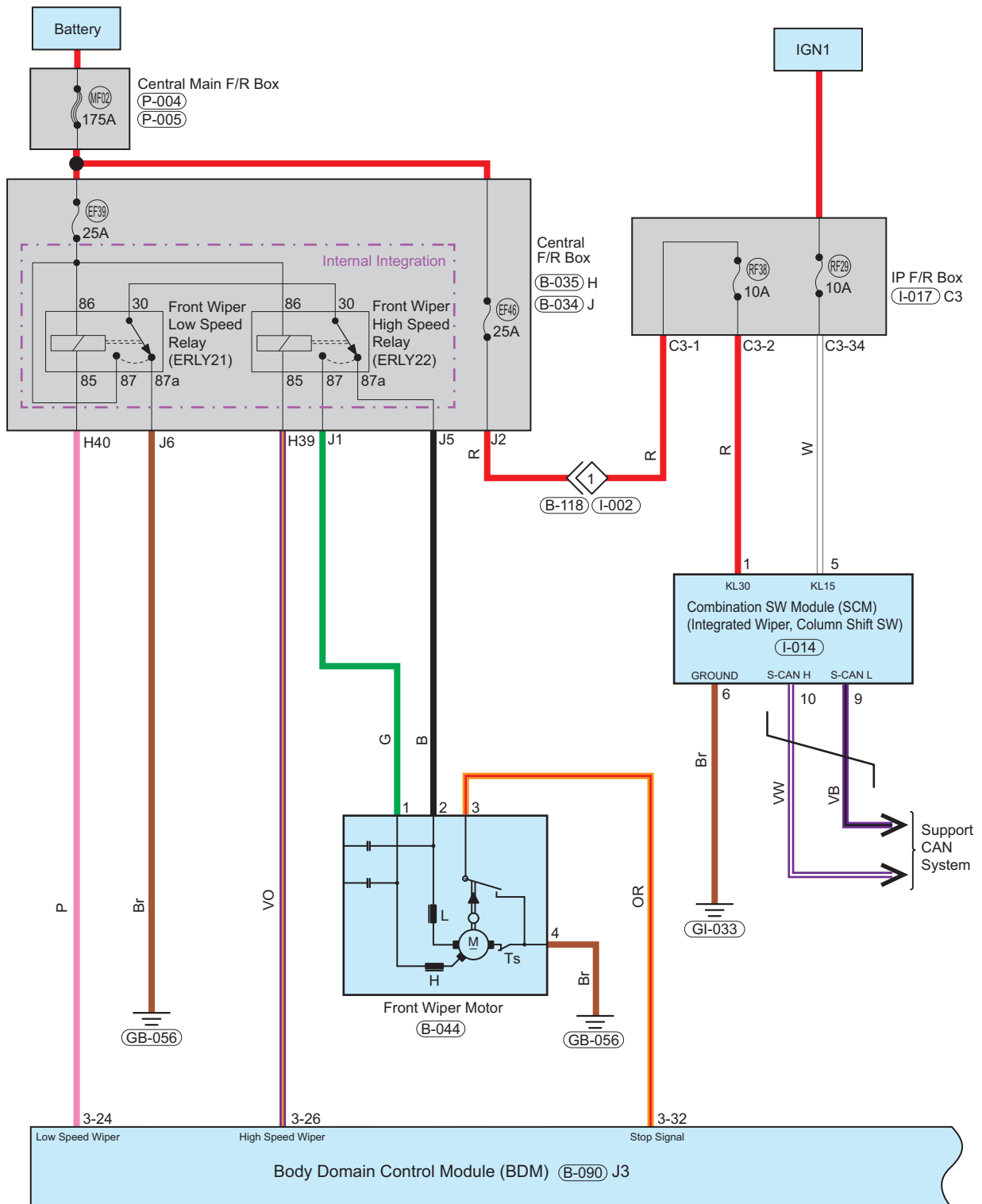
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RFE001001

Sunroof

| Wire Harness Connector | Name | Page Number |
|------------------------|-------------------------------------|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| B-036 | Central F/R Box E | 10-63 |
| B-040 | Central F/R Box G | 10-63 |
| B-074 | Front Dome Light | 10-65 |
| B-076 | To Panoramic Sliding Roof C-001 | 10-65 |
| GB-087 | G605 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| C-001 | Sliding Roof to Interior B-076 | - |
| C-002 | Sunroof Glass Motor | - |
| C-003 | Sunroof Shade Motor | - |

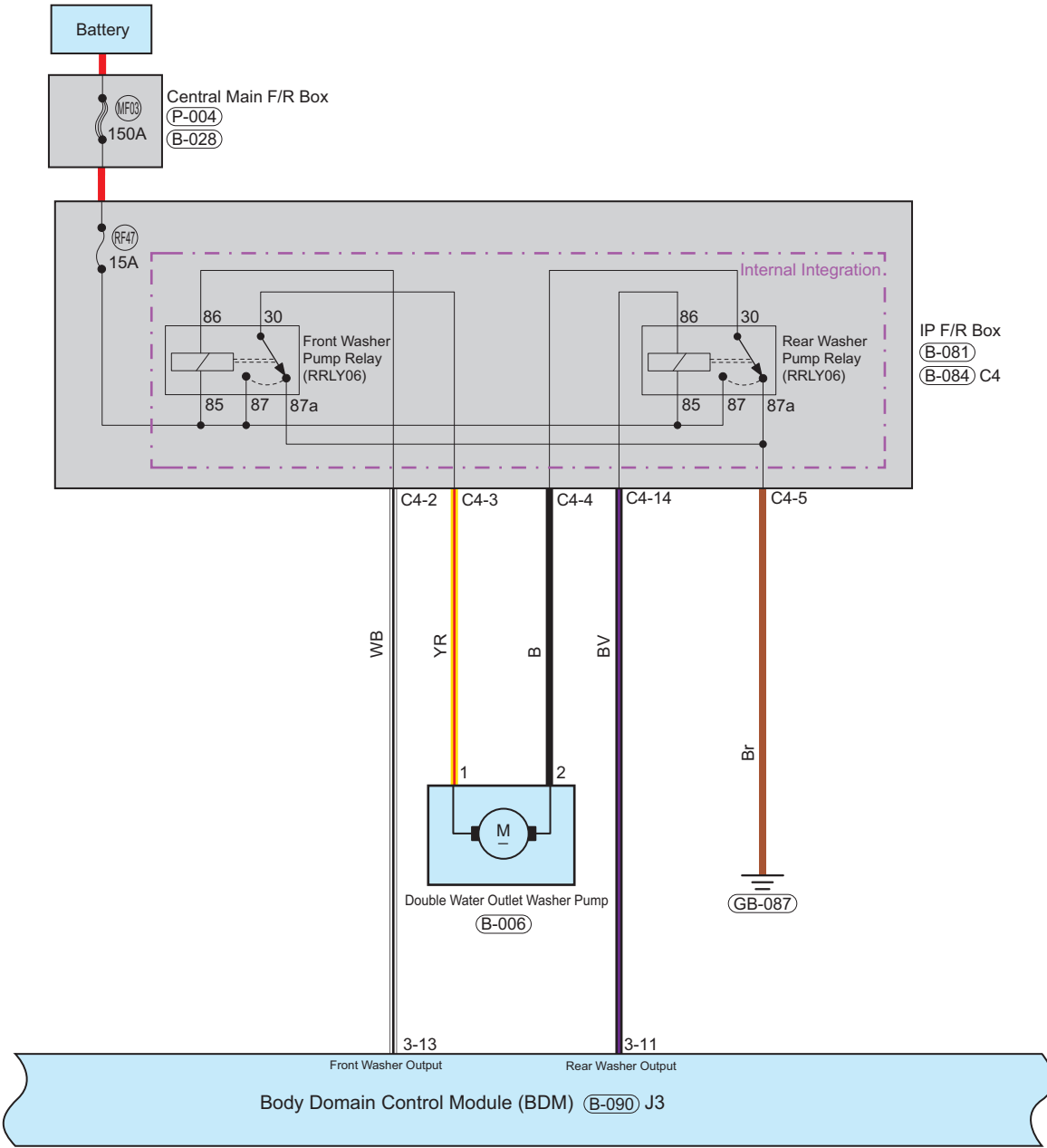
Wiper and Washer



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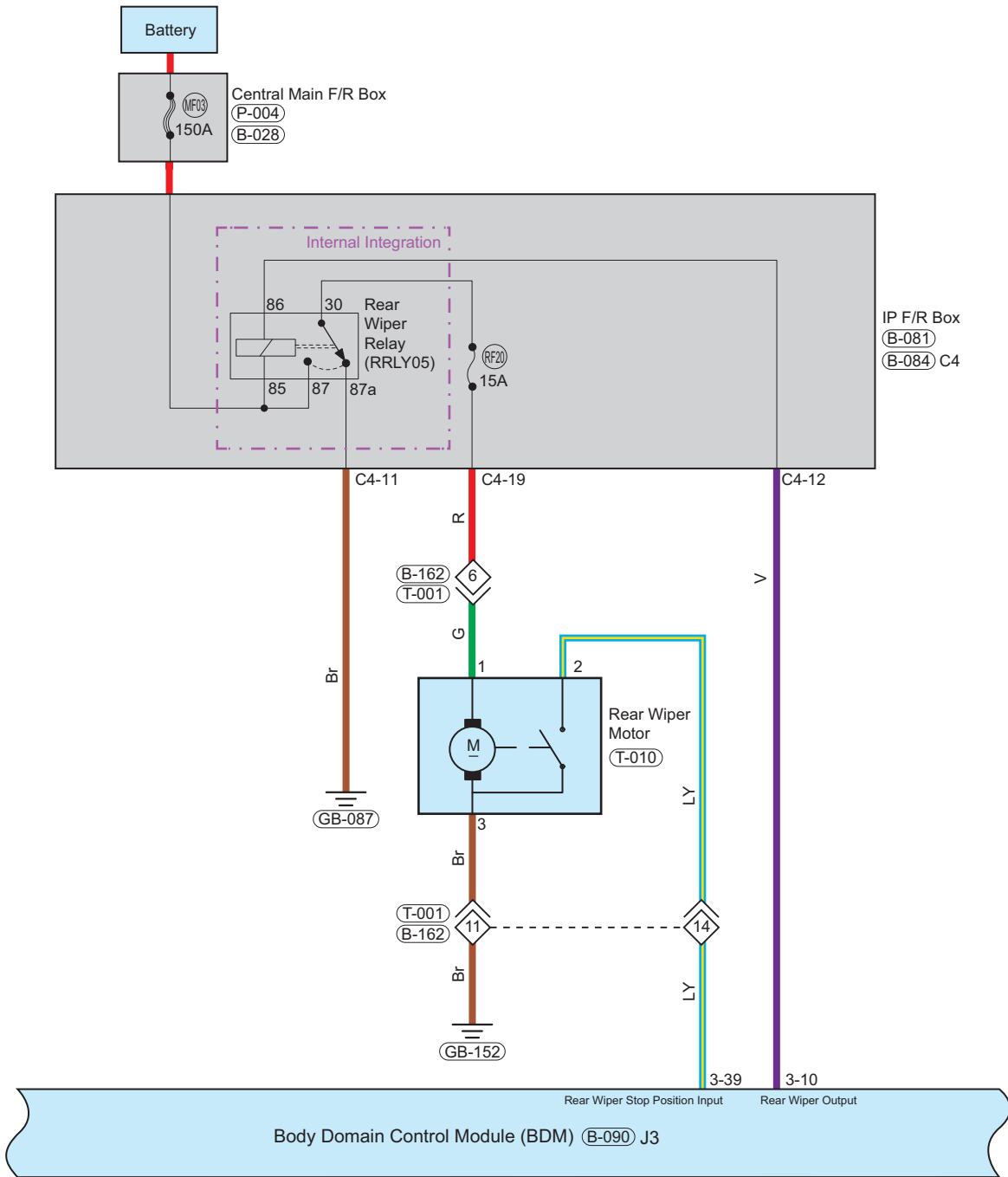
WWE001001

Wiper and Washer



WWE002001

Wiper and Washer



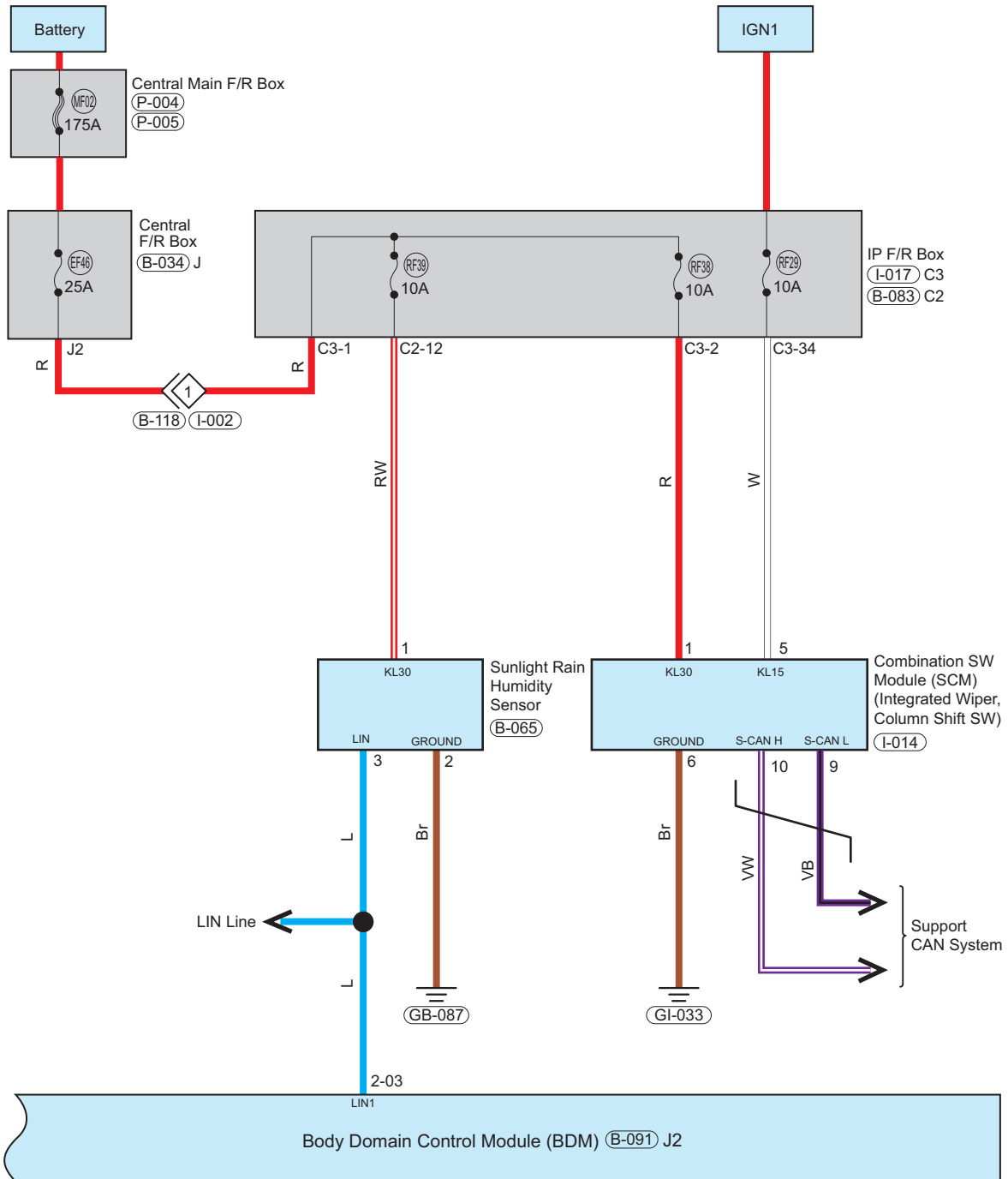
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WWE003001

Wiper and Washer

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-014 | Combination Switch Module (SCM) (Integrated Wiper, Column Shift Switch) | 10-90 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| GI-033 | G502 | 10-90 |
| B-006 | Double Water Outlet Washer Pump | 10-62 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-034 | Central F/R Box J | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-044 | Front Wiper Motor | 10-63 |
| GB-056 | G603 | 10-64 |
| B-081 | IEC-R | 10-65 |
| B-084 | Instrument Panel F/R Box C4 | 10-65 |
| GB-087 | G605 | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| GB-152 | G608 | 10-70 |
| B-162 | Rear Left Back Door Wire Harness Interface T-001 | 10-70 |
| T-001 | Rear Left Back Door to Interior B- 162 | 10-110 |
| T-010 | Rear Wiper Motor | 10-110 |

Sunlight Rain Humidity Sensor/Combination Switch Module (SCM) (Integrated Wiper, Column Shift Switch)

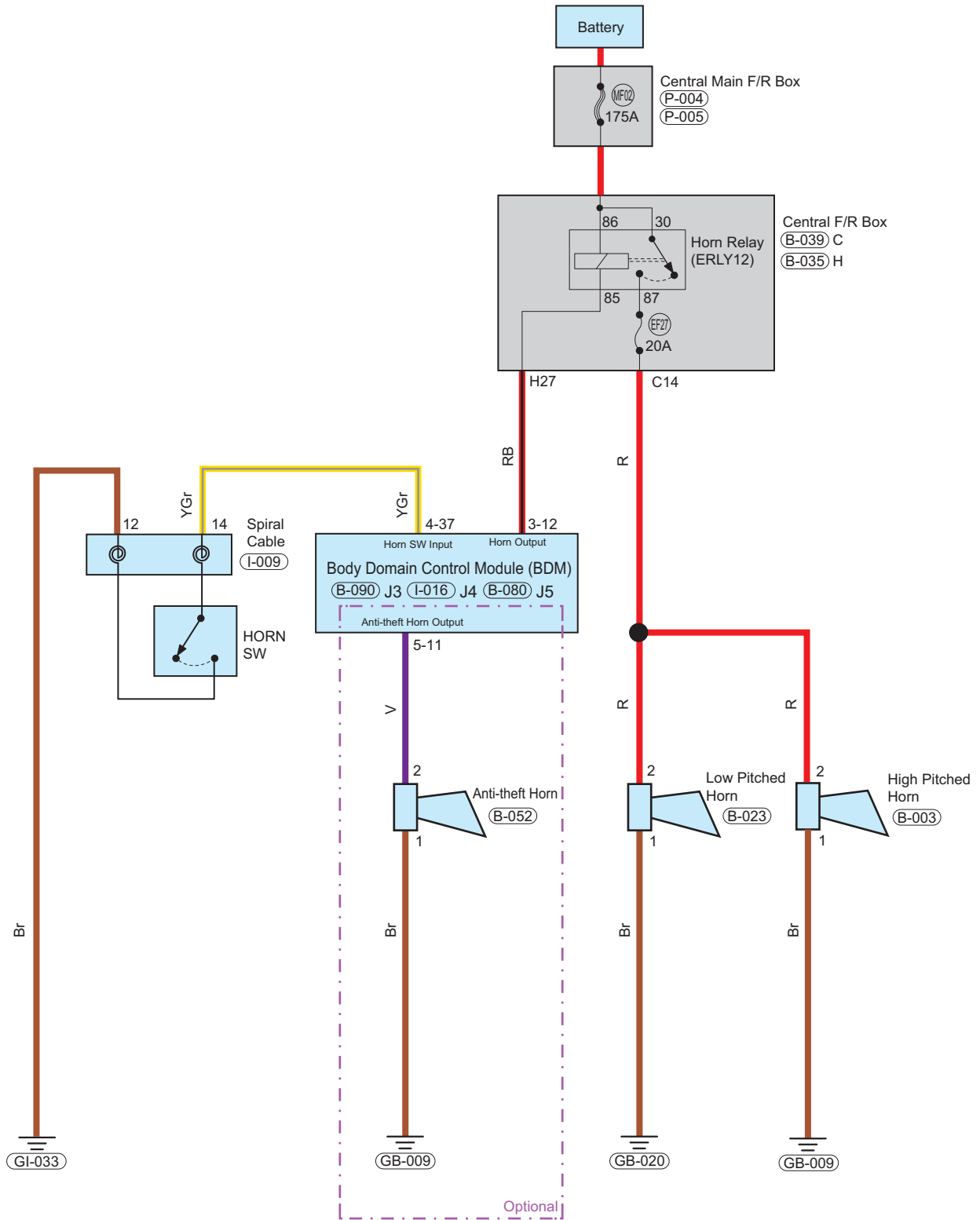


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Sunlight Rain Humidity Sensor/Integrated Wiper, Column Shift Switch

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-014 | Combination Switch Module (SCM) (Integrated Wiper, Column Shift Switch) | 10-90 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| GI-033 | G502 | 10-90 |
| B-034 | Central F/R Box J | 10-63 |
| B-065 | Sunlight Rain Humidity Sensor | 10-64 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| GB-087 | G605 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |

Horn



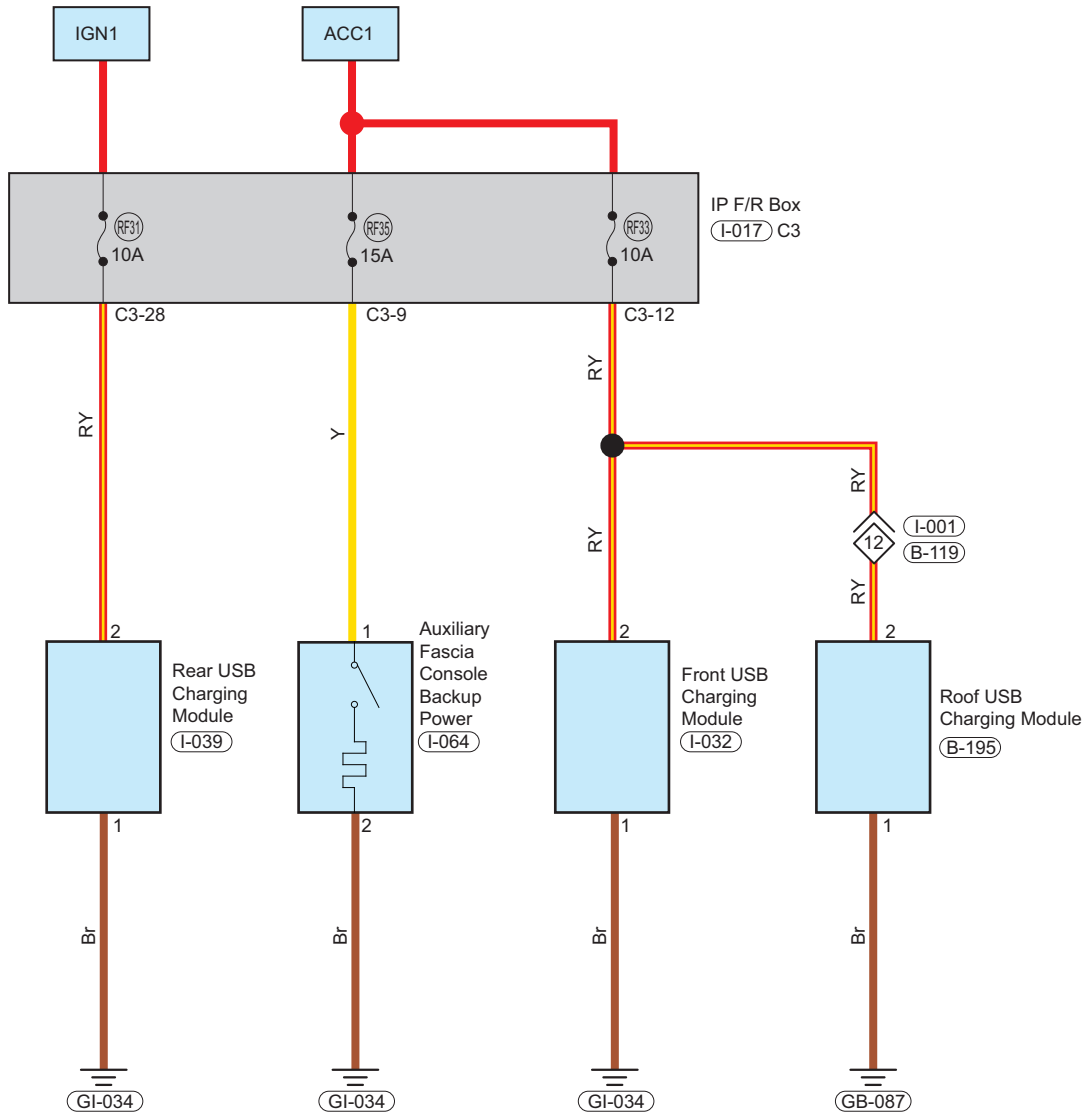
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HOE001001

Horn

| Wire Harness Connector | Name | Page Number |
|------------------------|-------------------------------------|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-009 | Spiral Cable | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| GI-033 | G502 | 10-90 |
| B-003 | High Pitched Horn | 10-62 |
| GB-009 | G101 | 10-62 |
| GB-020 | G102 | 10-57 |
| B-023 | Low Pitched Horn | 10-62 |
| B-035 | Central F/R Box H | 10-63 |
| B-039 | Central F/R Box C | 10-63 |
| B-052 | Anti-theft Horn | 10-64 |
| B-080 | Body Domain Control Module (BDM) J5 | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |

Backup Power Supply, USB Charging Module

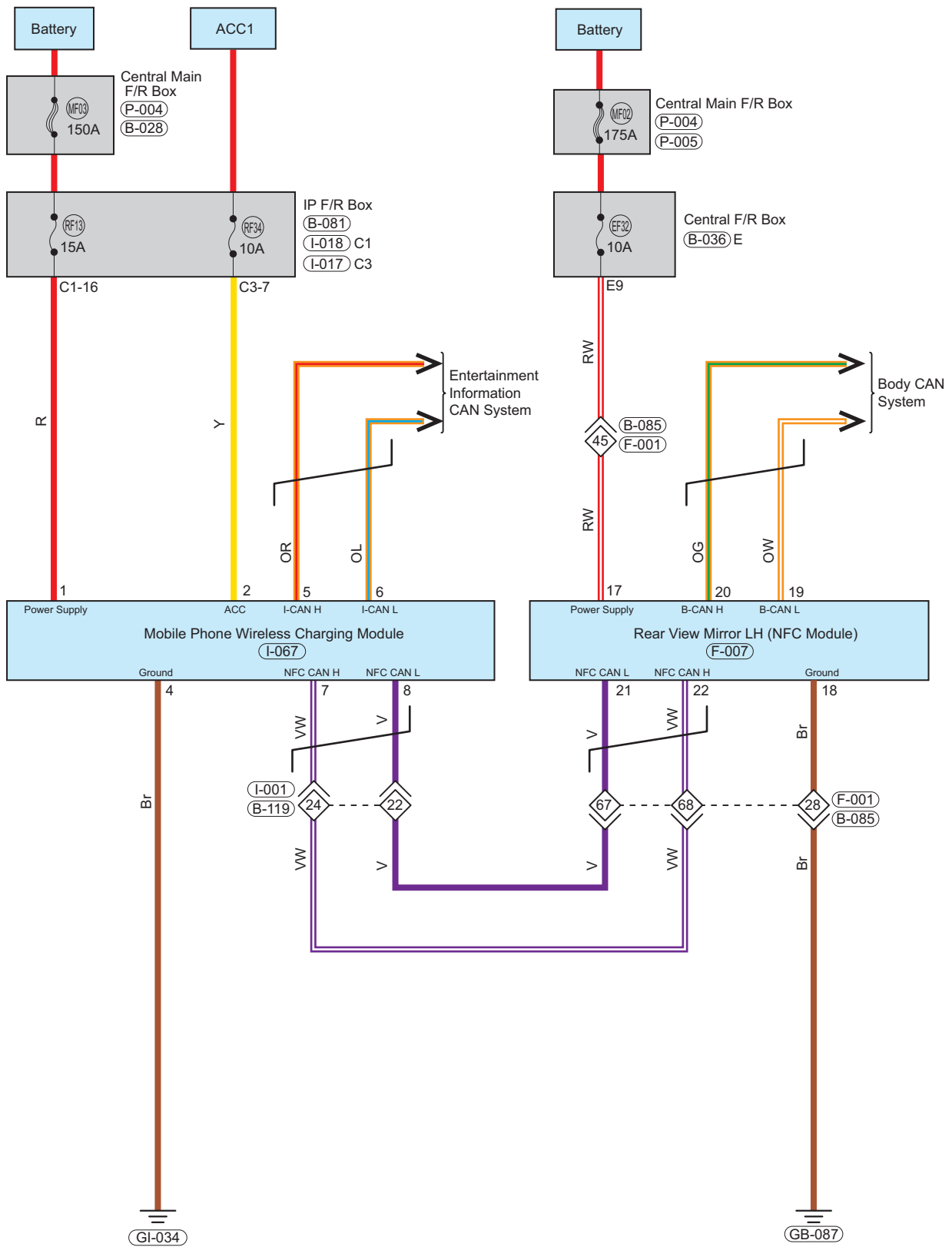


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Backup Power Supply, USB Charging Module

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| I-001 | Instrument Panel to Interior Left 1 B-119 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-032 | Front USB Charging Module | 10-90 |
| GI-034 | G503 | 10-90 |
| I-039 | Rear USB Charging Module | 10-91 |
| I-064 | Auxiliary Fascia Console Backup Power | 10-92 |
| GB-087 | G605 | 10-65 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| B-195 | Roof USB Charging Module | - |

Wireless Charging, NFC

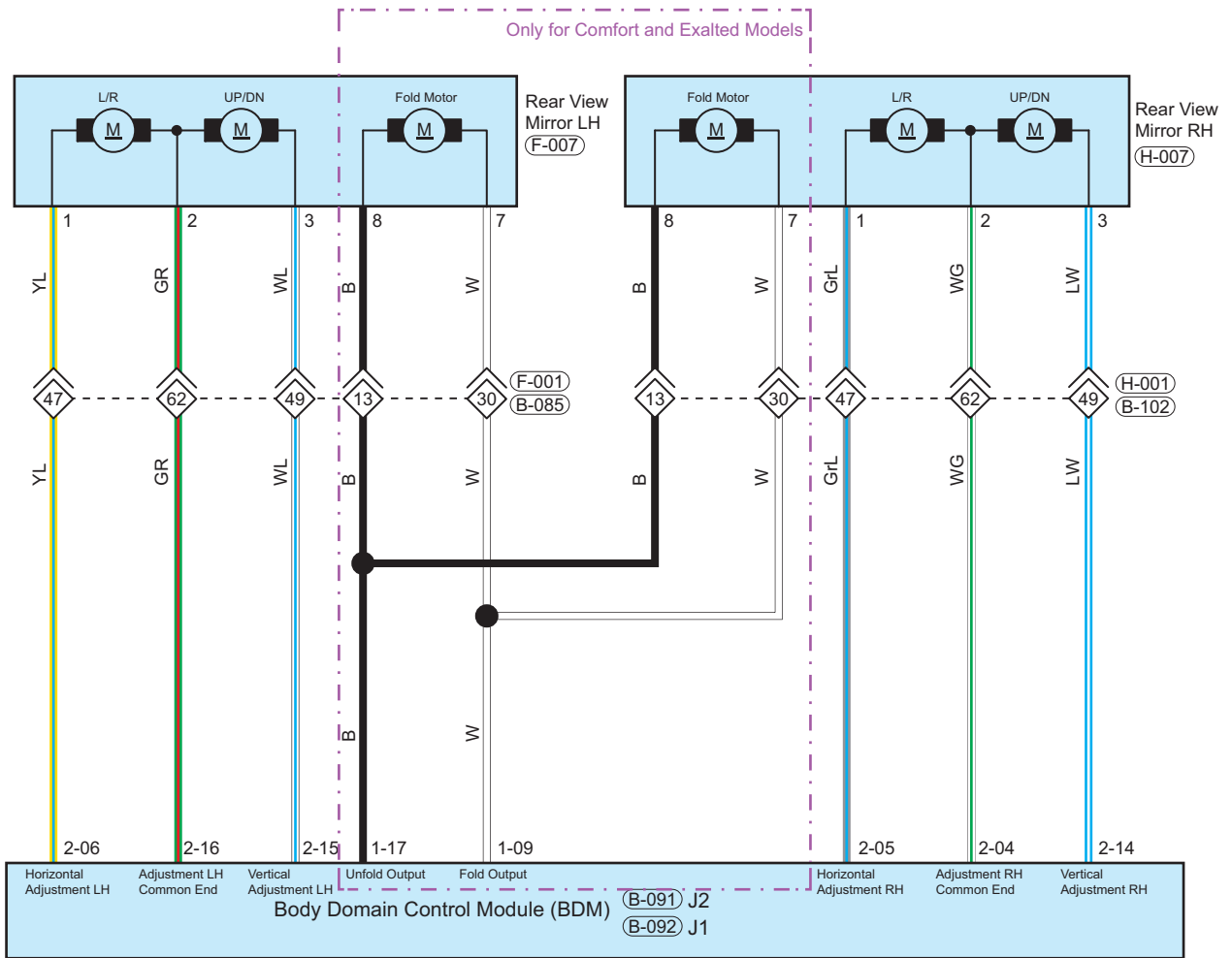


CWE001001

Wireless Charging, NFC

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-001 | Instrument Panel to Interior Left 1 B-119 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| GI-034 | G503 | 10-90 |
| I-067 | Mobile Phone Wireless Charging Module | 10-92 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-036 | Central F/R Box E | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-007 | Left Rear View Mirror | 10-96 |

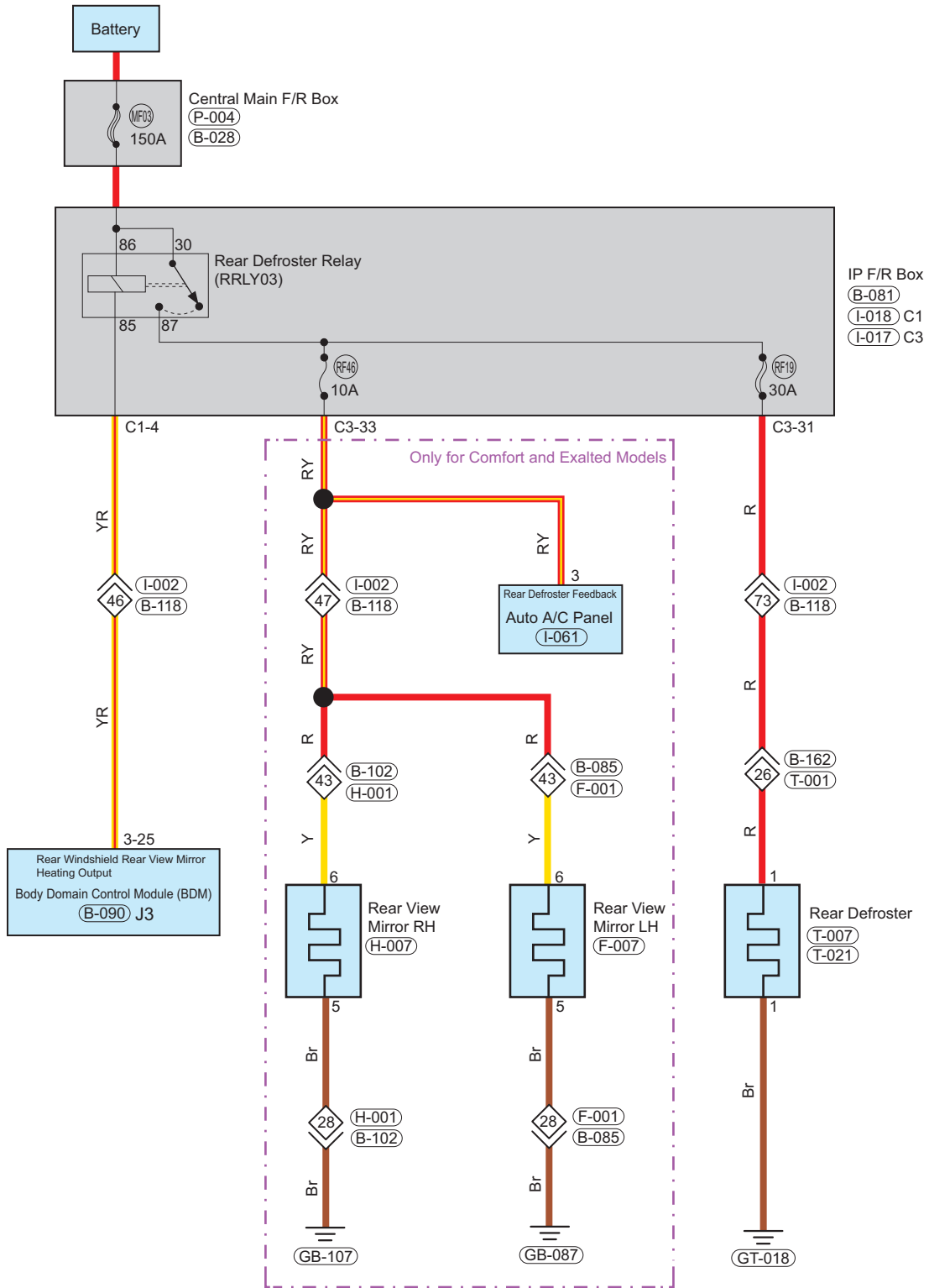
Rear View Mirror Adjustment



Rear View Mirror Adjustment

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-092 | Body Domain Control Module (BDM) J1 | 10-66 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-007 | Left Rear View Mirror | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-007 | Right Rear View Mirror | 10-98 |

Rear View Mirror Heater, Rear Defroster

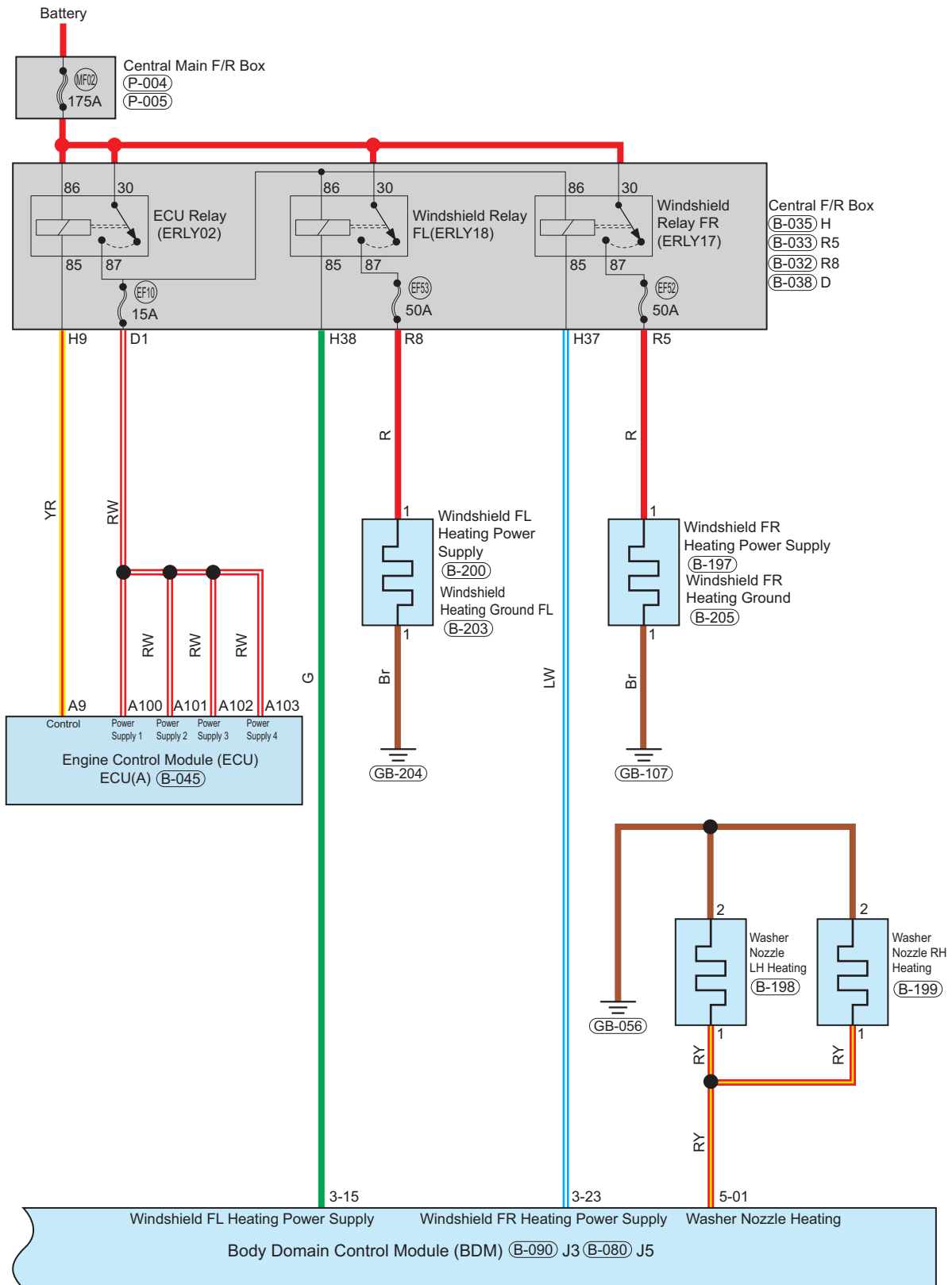


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Rear View Mirror Heater, Rear Defroster

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| I-061 | Auto A/C Panel | 10-92 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-162 | Rear Left Back Door Wire Harness Interface T-001 | 10-70 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-007 | Left Rear View Mirror | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-007 | Right Rear View Mirror | 10-98 |
| T-001 | Rear Left Back Door to Interior B- 162 | 10-110 |
| T-007 | Rear Defroster Positive | 10-110 |
| GT-018 | G701 | 10-110 |
| T-021 | Rear Defroster Negative | 10-110 |

Windshield Heating, Washer Nozzle Heating

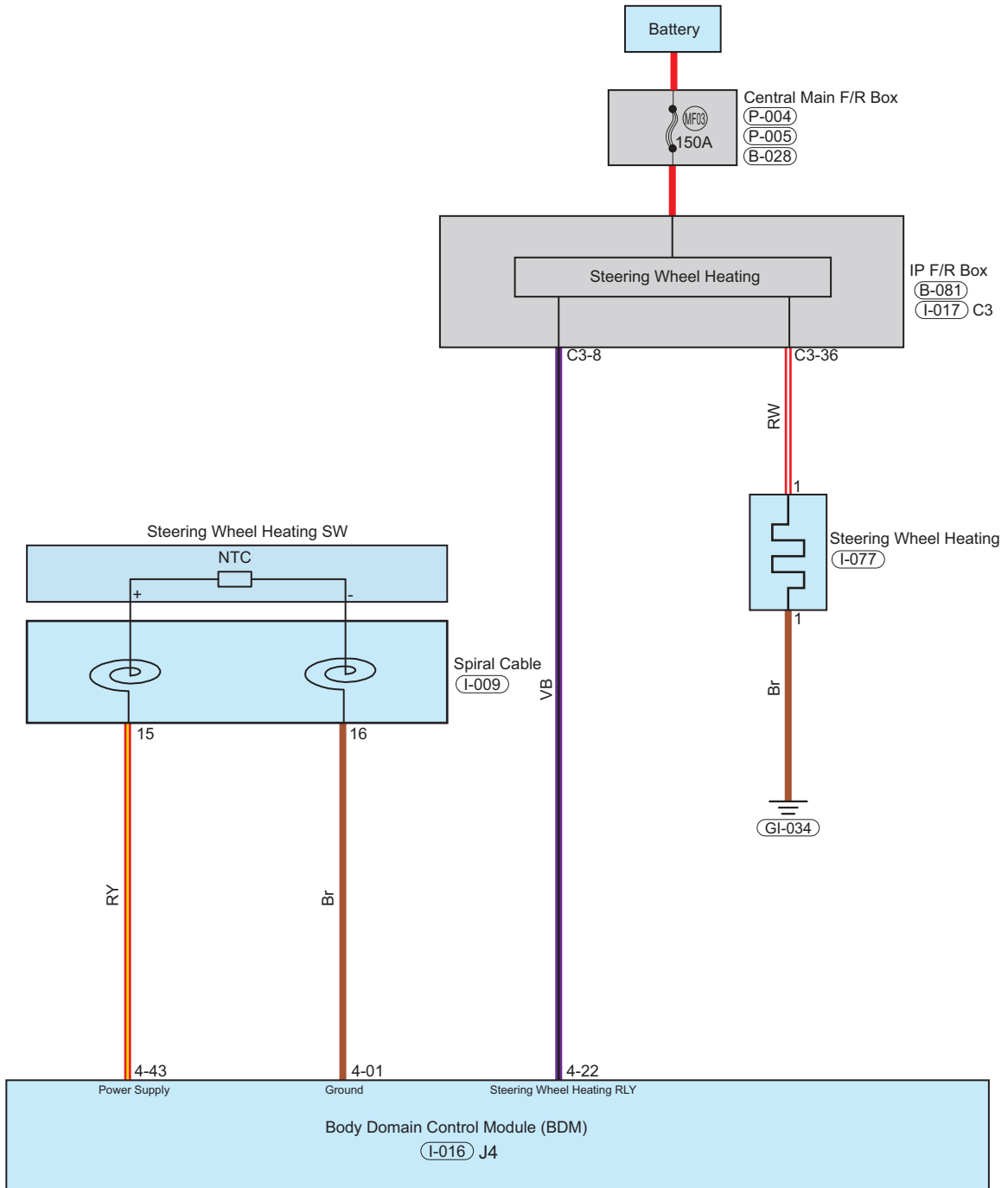


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Windshield Heating, Washer Nozzle Heating

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| B-032 | UEC-R-8 | 10-63 |
| B-033 | UEC-R-5 | 10-63 |
| B-035 | Central F/R Box H | 10-63 |
| B-045 | ECU (A) | 10-63 |
| B-080 | Body Domain Control Module (BDM) J5 | 10-65 |
| B-090 | Body Domain Control Module (BDM) J3 | 10-65 |
| B-197 | Front Right Windshield Heating Power Supply | 10-72 |
| B-198 | Right Washer Nozzle Heating | 10-72 |
| B-199 | Left Washer Nozzle Heating | 10-72 |
| B-200 | Front Left Windshield Heating Power Supply | 10-72 |
| B-203 | Windshield Heating Ground FL | 10-72 |
| B-205 | Windshield FR Heating Ground | 10-73 |
| GB-056 | G603 | 10-64 |
| GB-107 | G610 | 10-67 |
| GB-204 | G612 | 10-73 |

Steering Wheel Heating



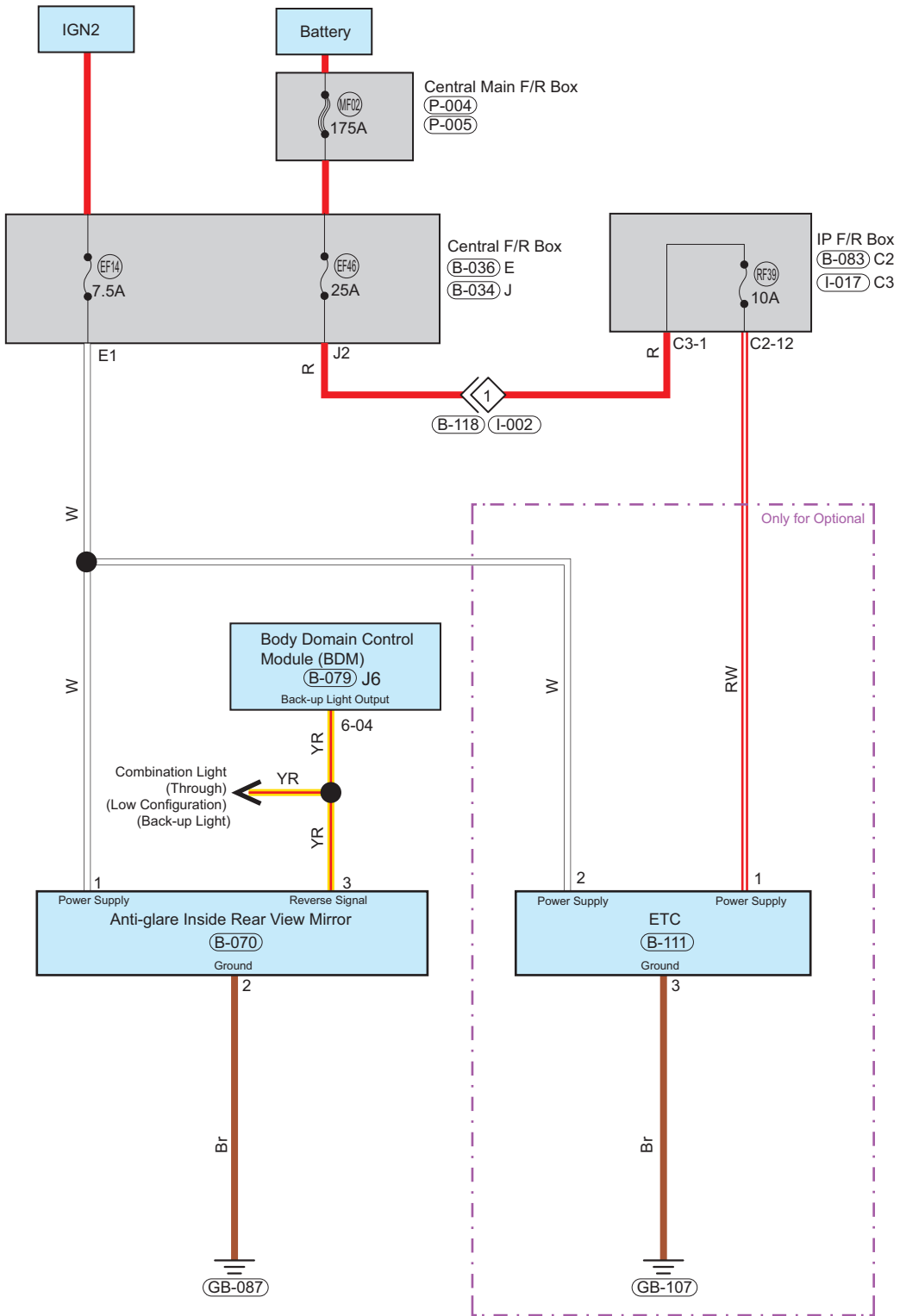
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SWH001001

Steering Wheel Heating

| Wire Harness Connector | Name | Page Number |
|------------------------|-------------------------------------|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |
| I-009 | Spiral Cable | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-077 | Steering Wheel Heating | 10-93 |

Inside Rear View Mirror, ETC

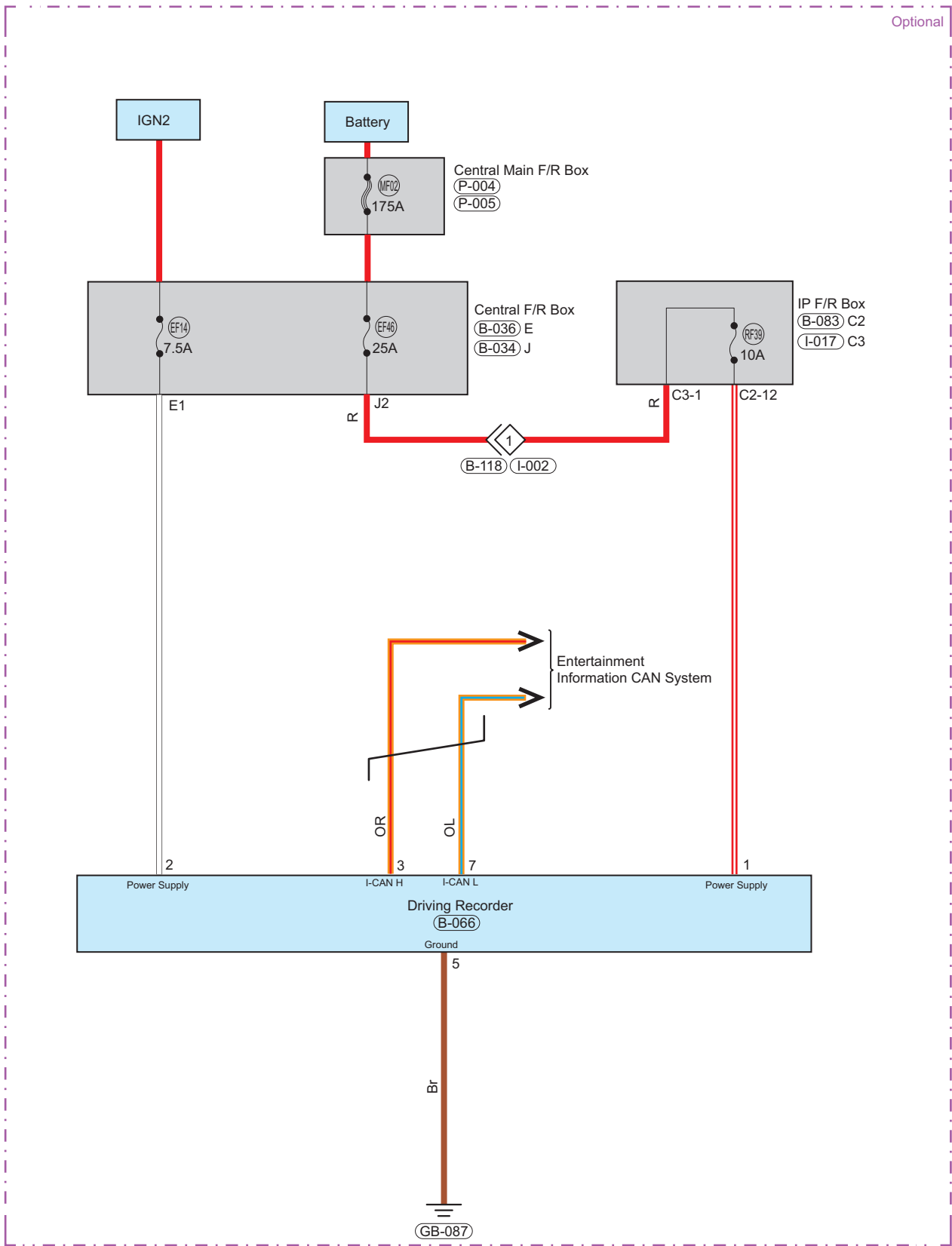


IRE001001

Inside Rear View Mirror, ETC

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| B-034 | Central F/R Box J | 10-63 |
| B-036 | Central F/R Box E | 10-63 |
| B-070 | Anti-glare Inside Rear View Mirror | 10-65 |
| B-079 | Body Domain Control Module (BDM) J6 | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| GB-087 | G605 | 10-65 |
| GB-107 | G610 | 10-67 |
| B-111 | ETC | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |

Driving Recorder (DVR)

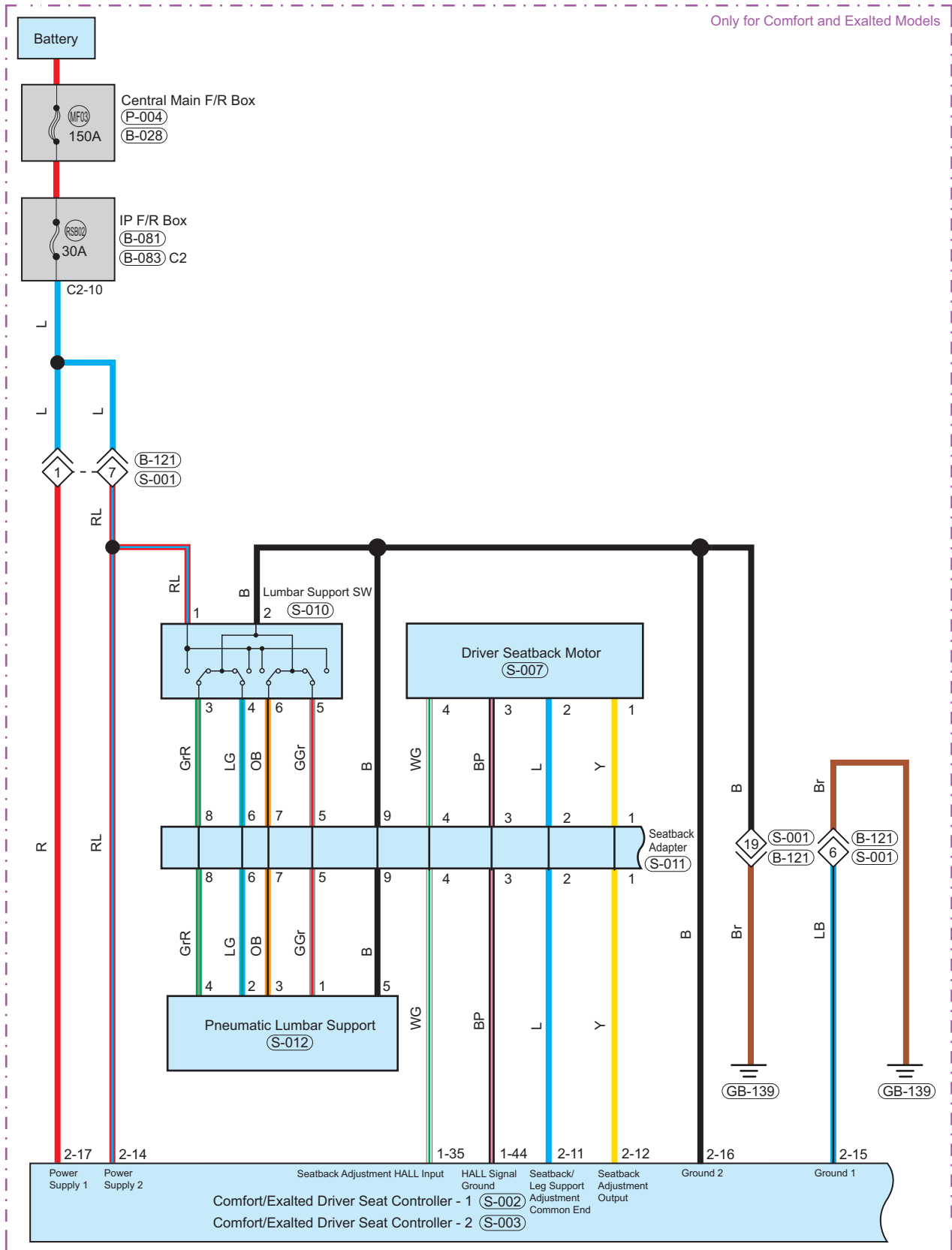


DVE001001

Driving Recorder (DVR)

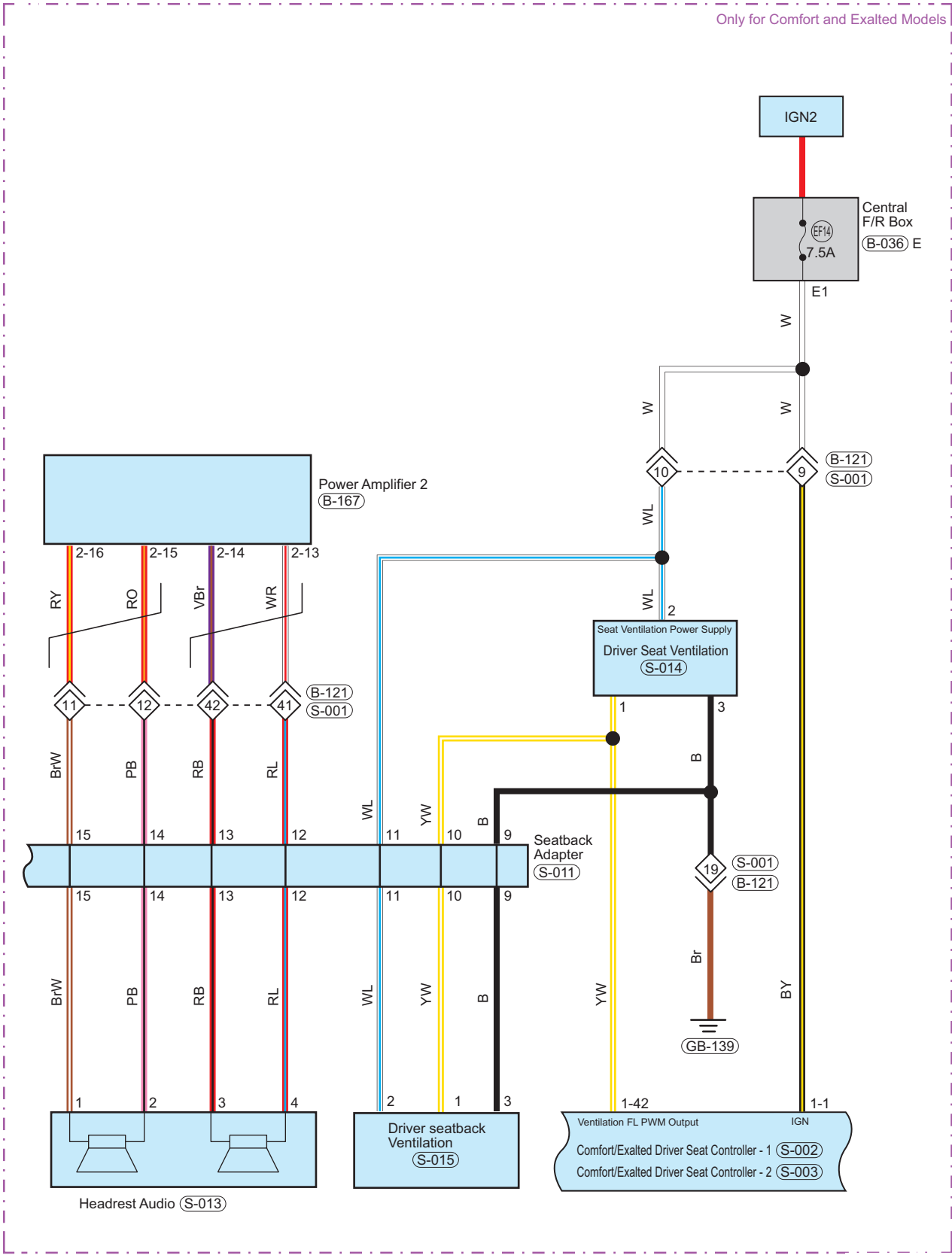
| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| B-034 | Central F/R Box J | 10-63 |
| B-036 | Central F/R Box E | 10-63 |
| B-066 | Driving Recorder | 10-64 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| GB-087 | G605 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |

Seat



SEE002001

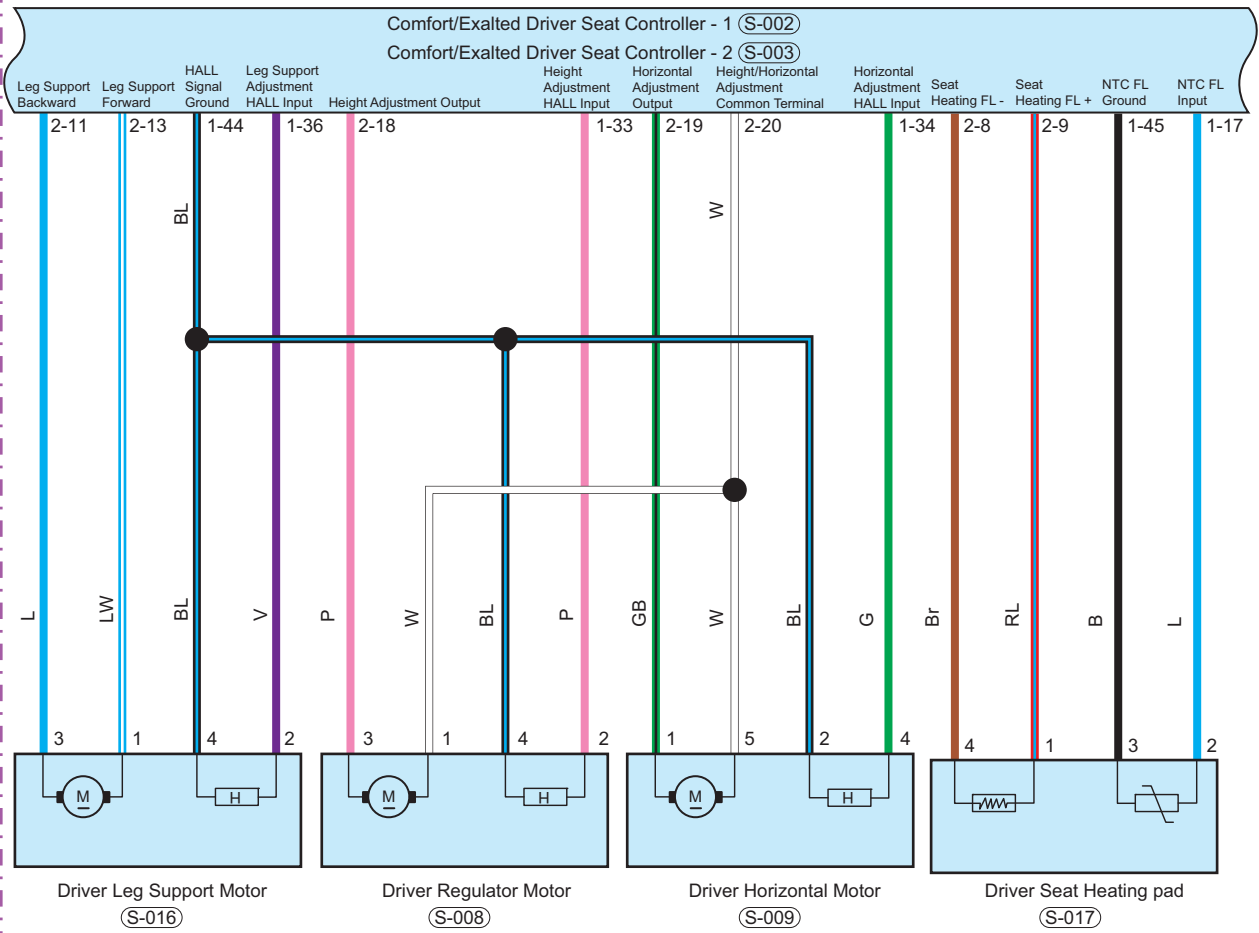
Seat



SEE003001

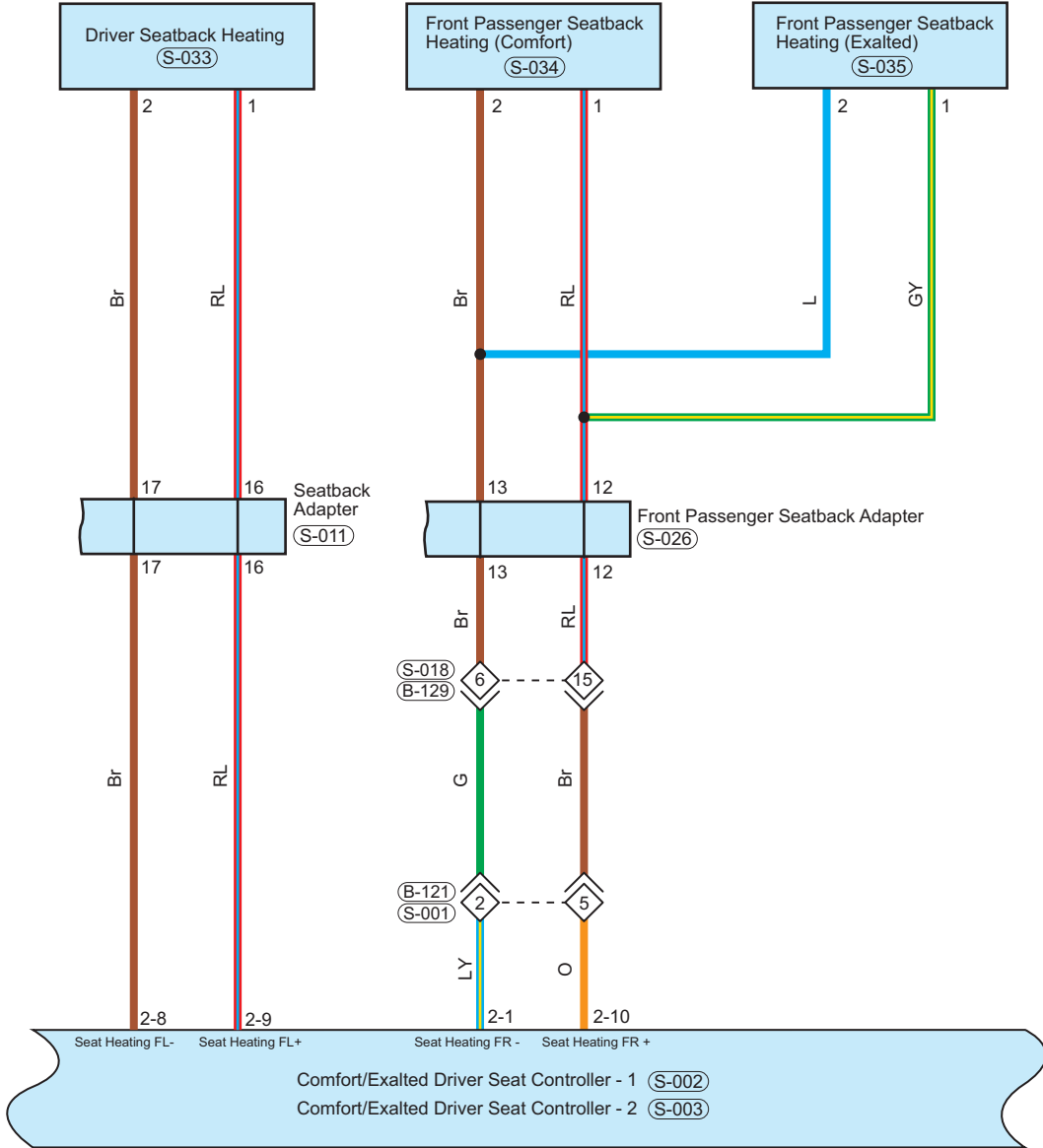
Seat

Only for Comfort and Exalted Models



Seat

Only for Comfort and Exalted Models

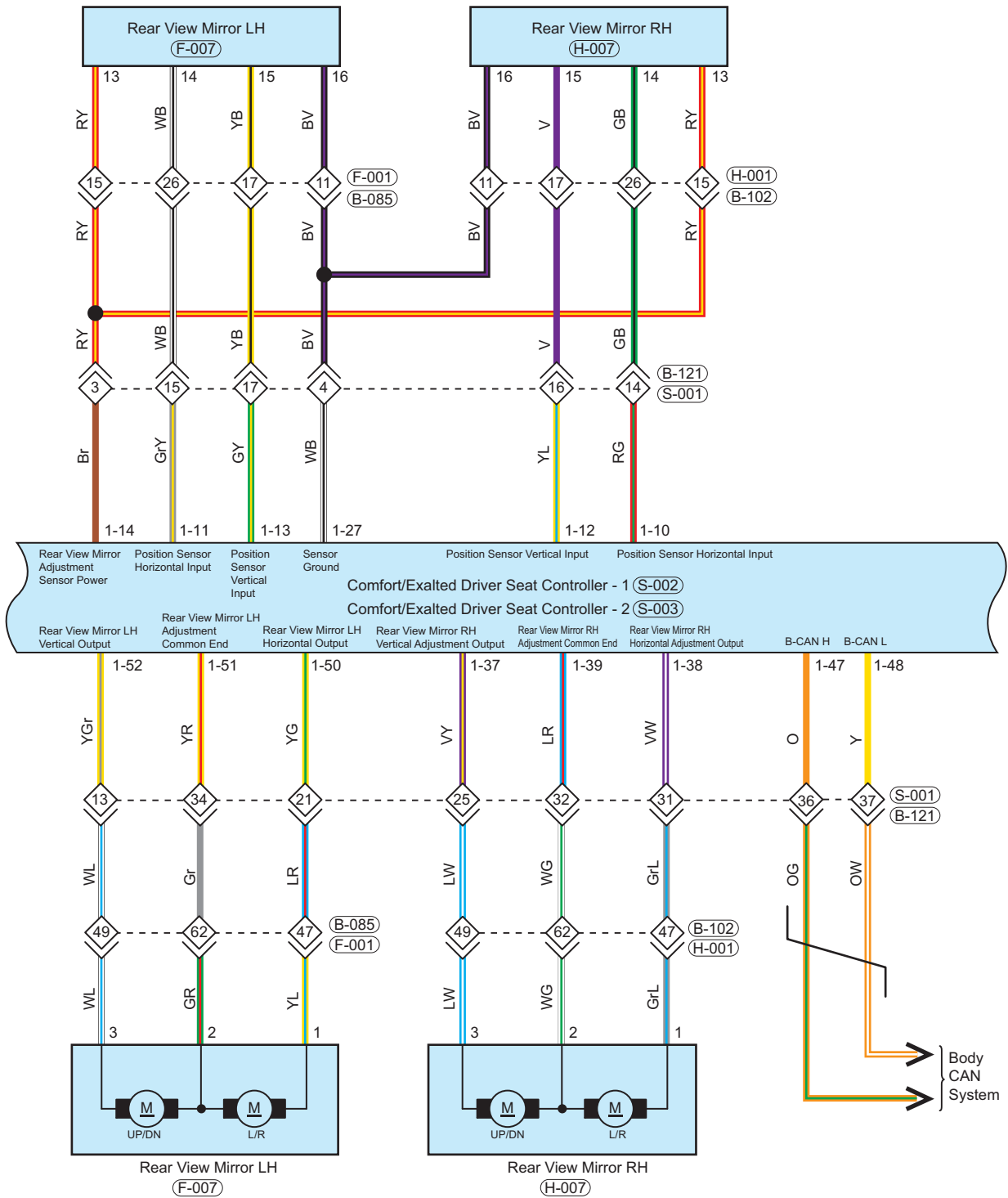


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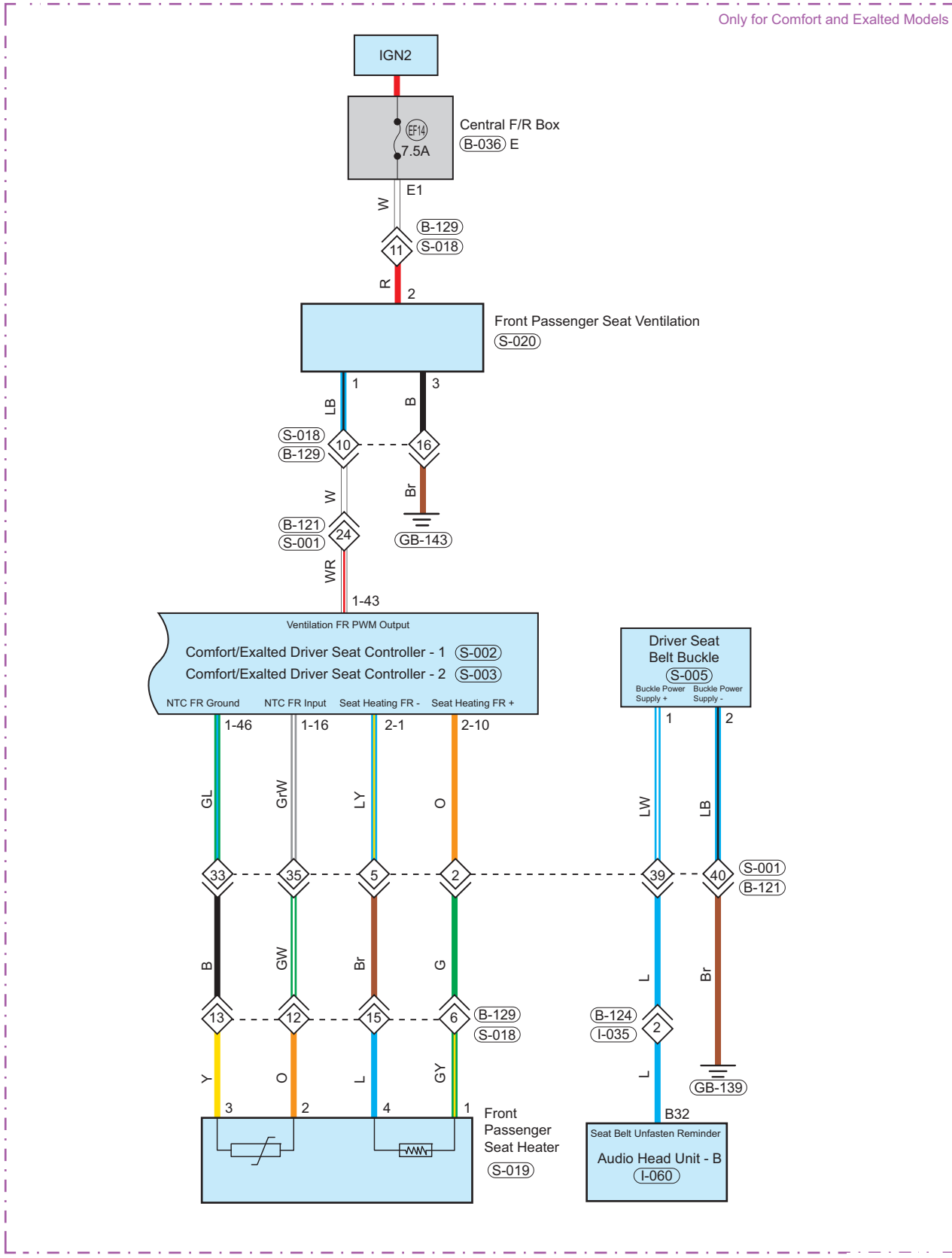
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Only for Comfort and Exalted Models



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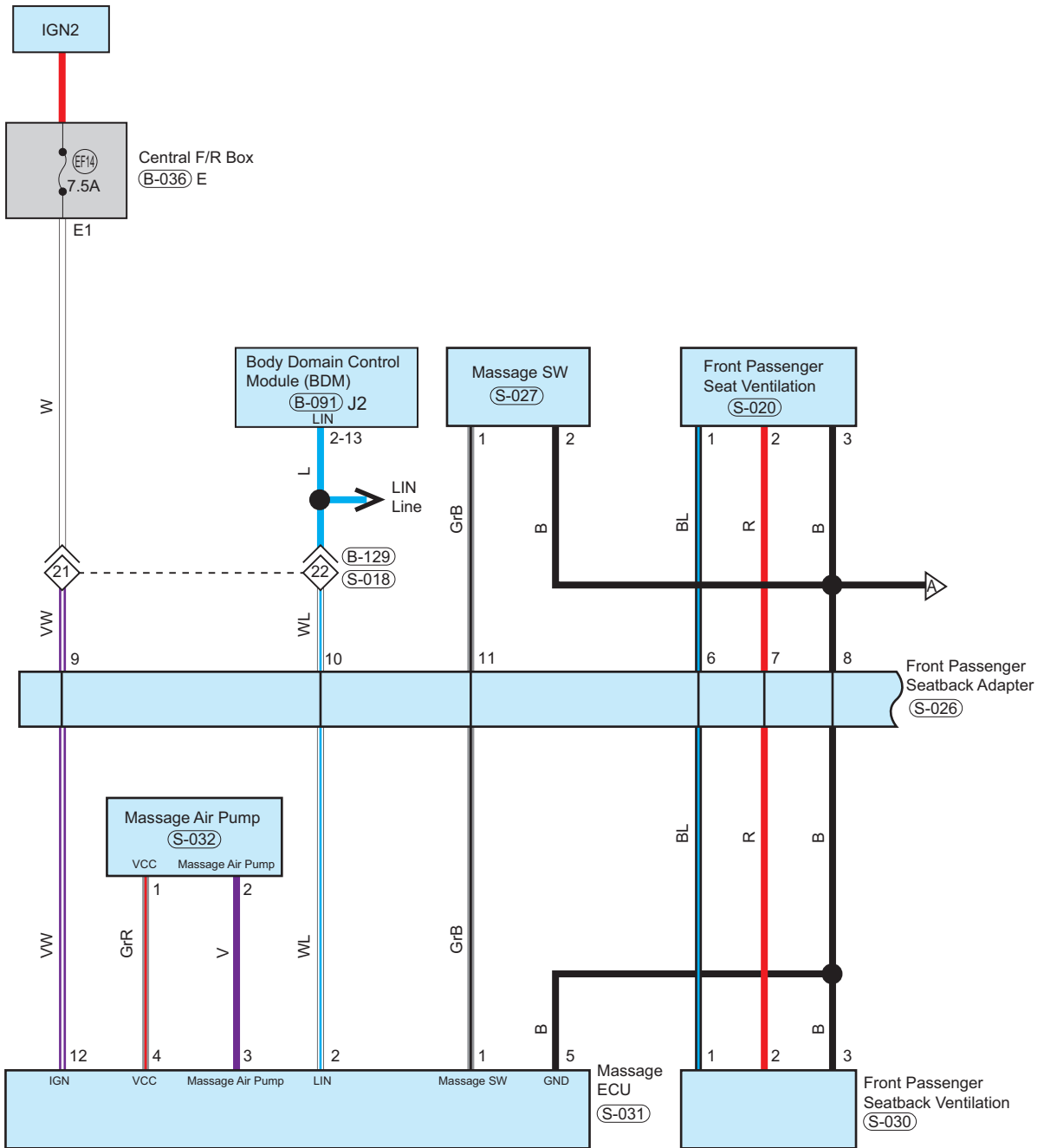
Seat



SEE006001

Seat

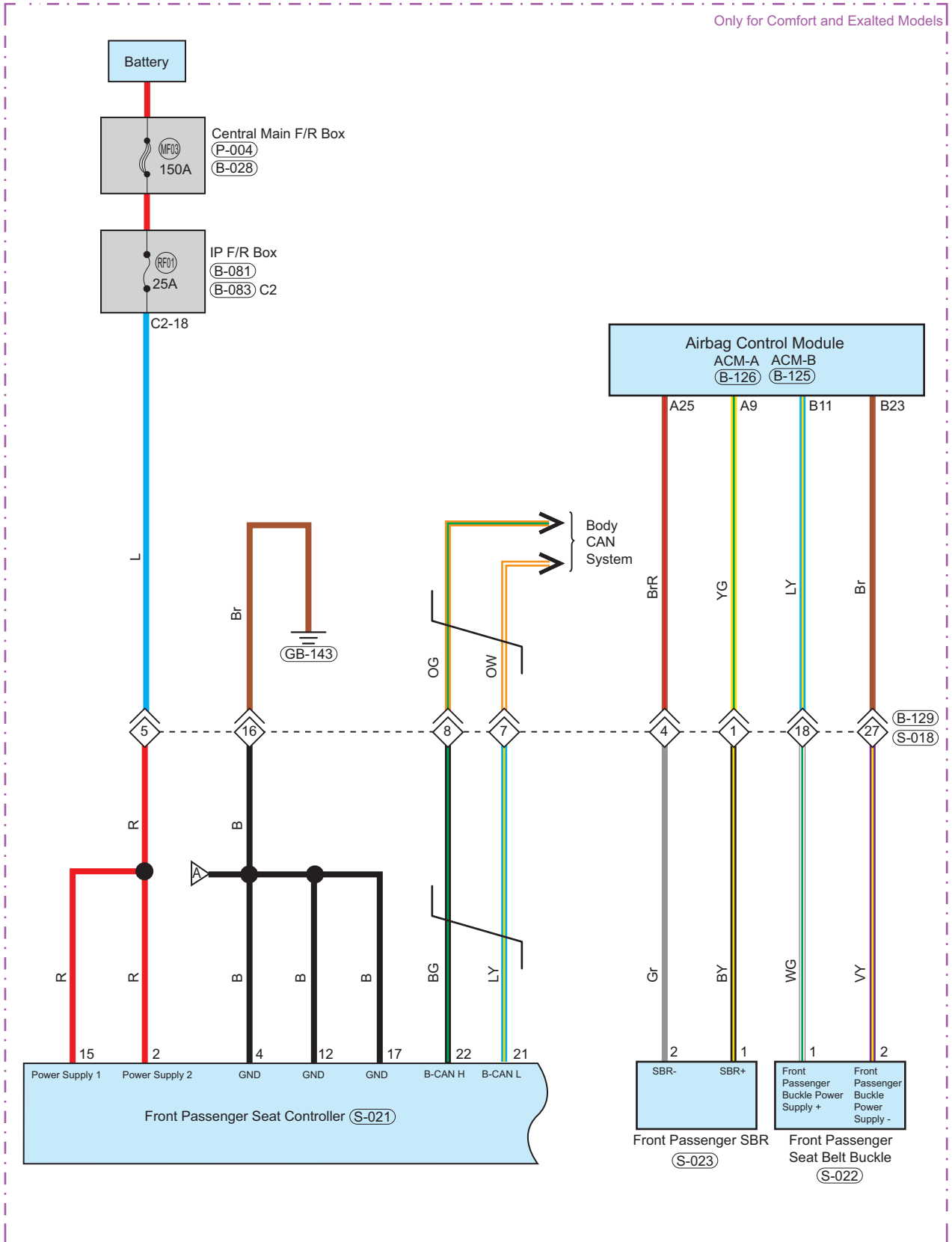
Only for Comfort and Exalted Models



SEE007001

Seat

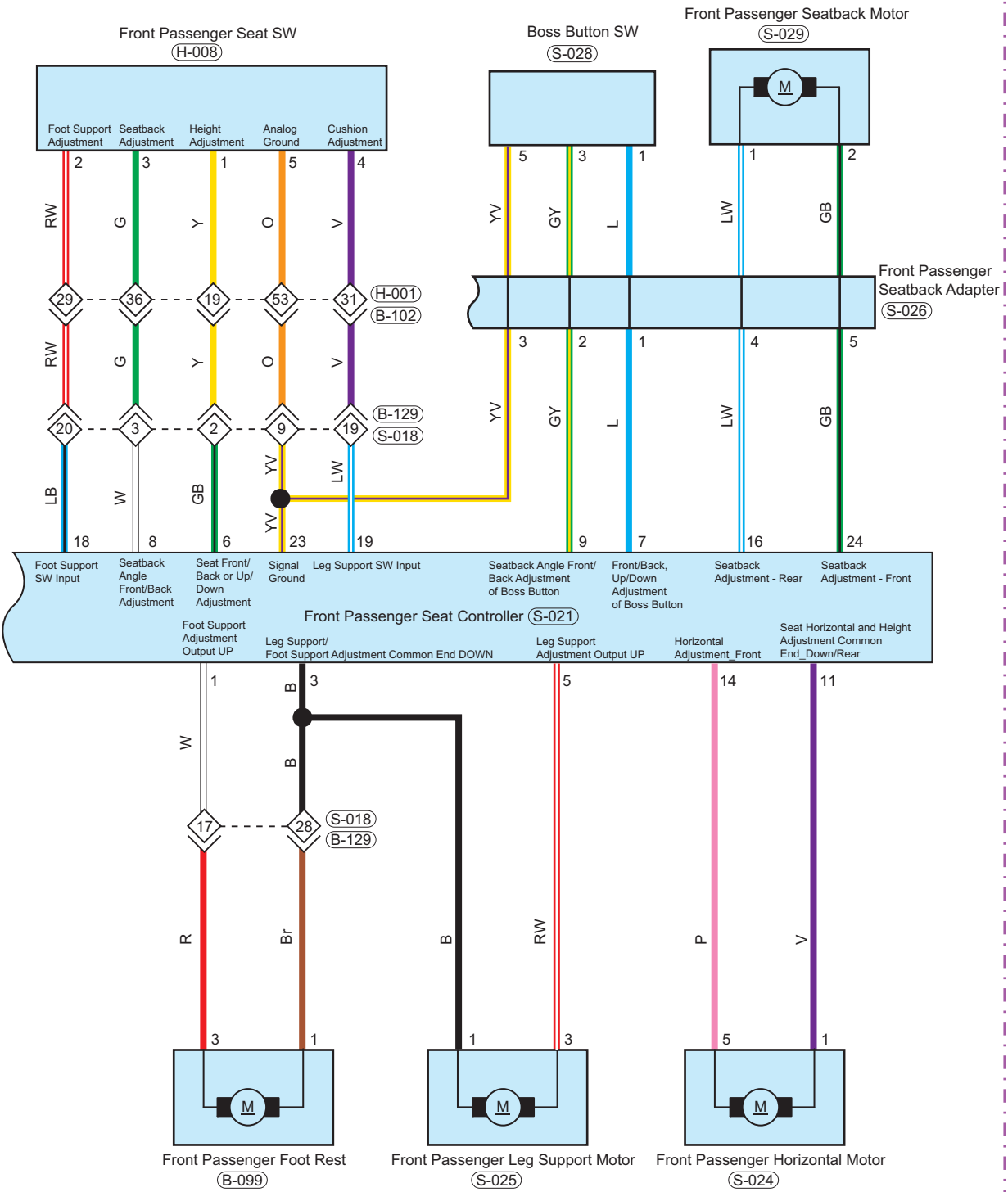
Only for Comfort and Exalted Models



SEE008001

Seat

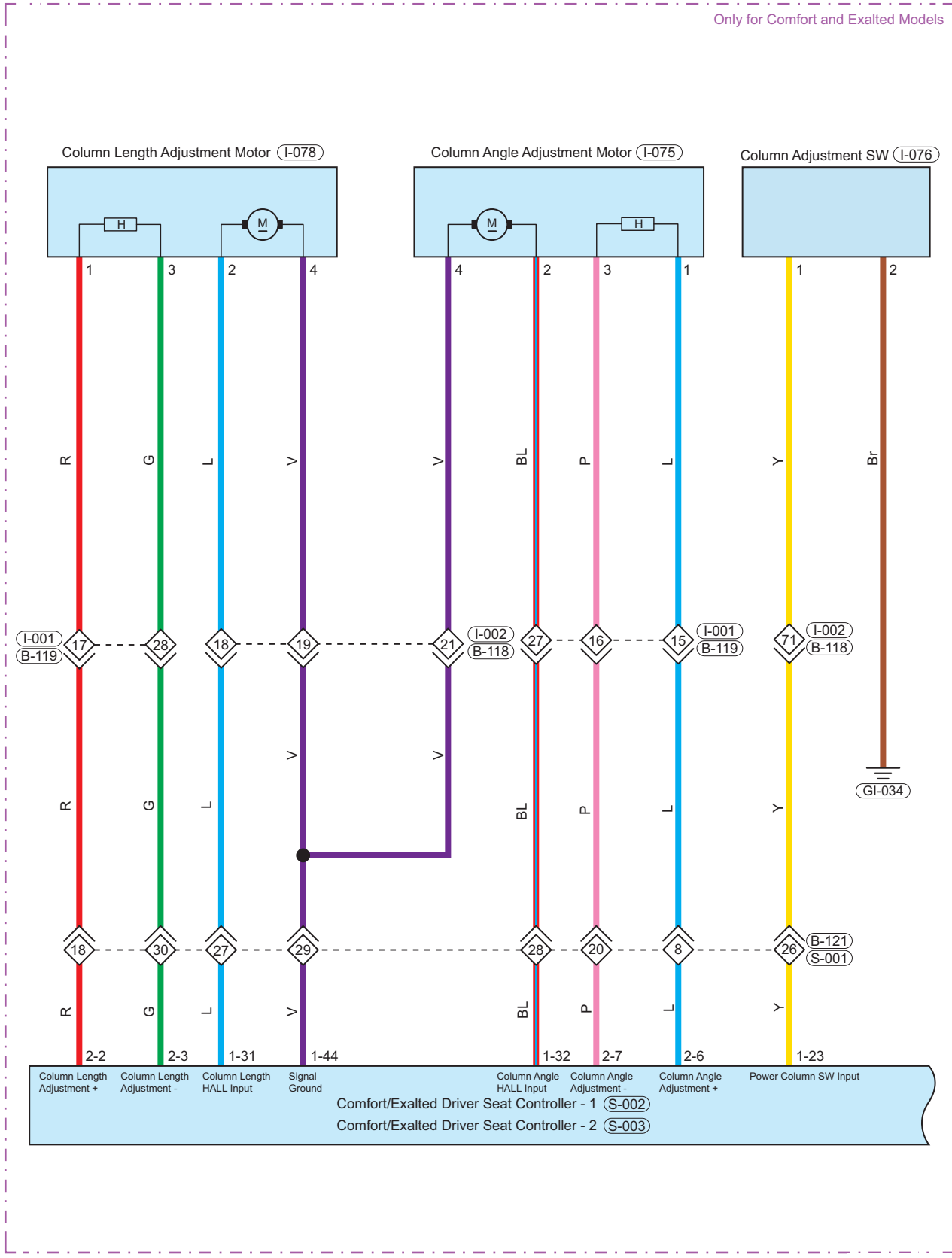
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SEE009001

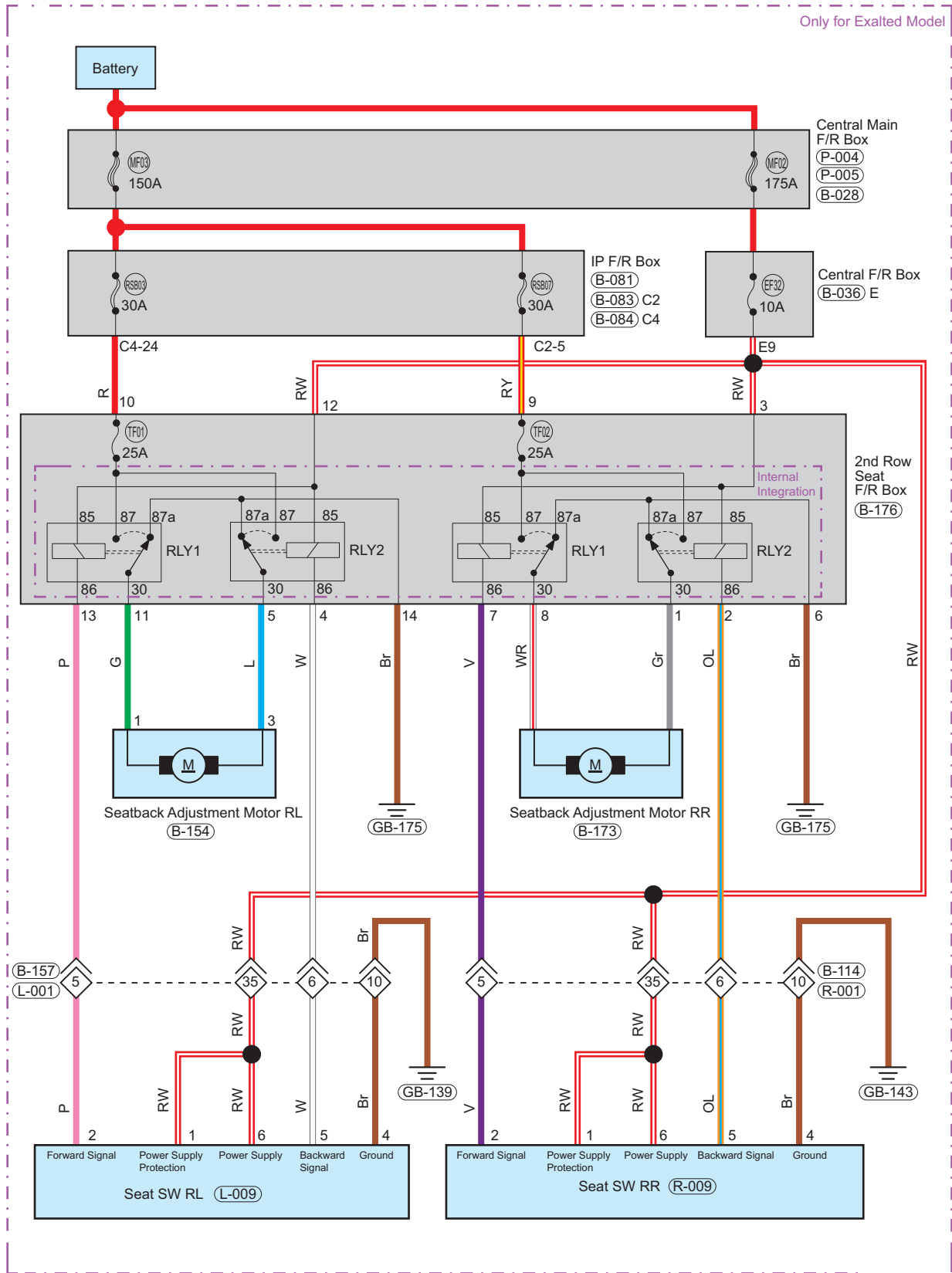
Seat

Only for Comfort and Exalted Models



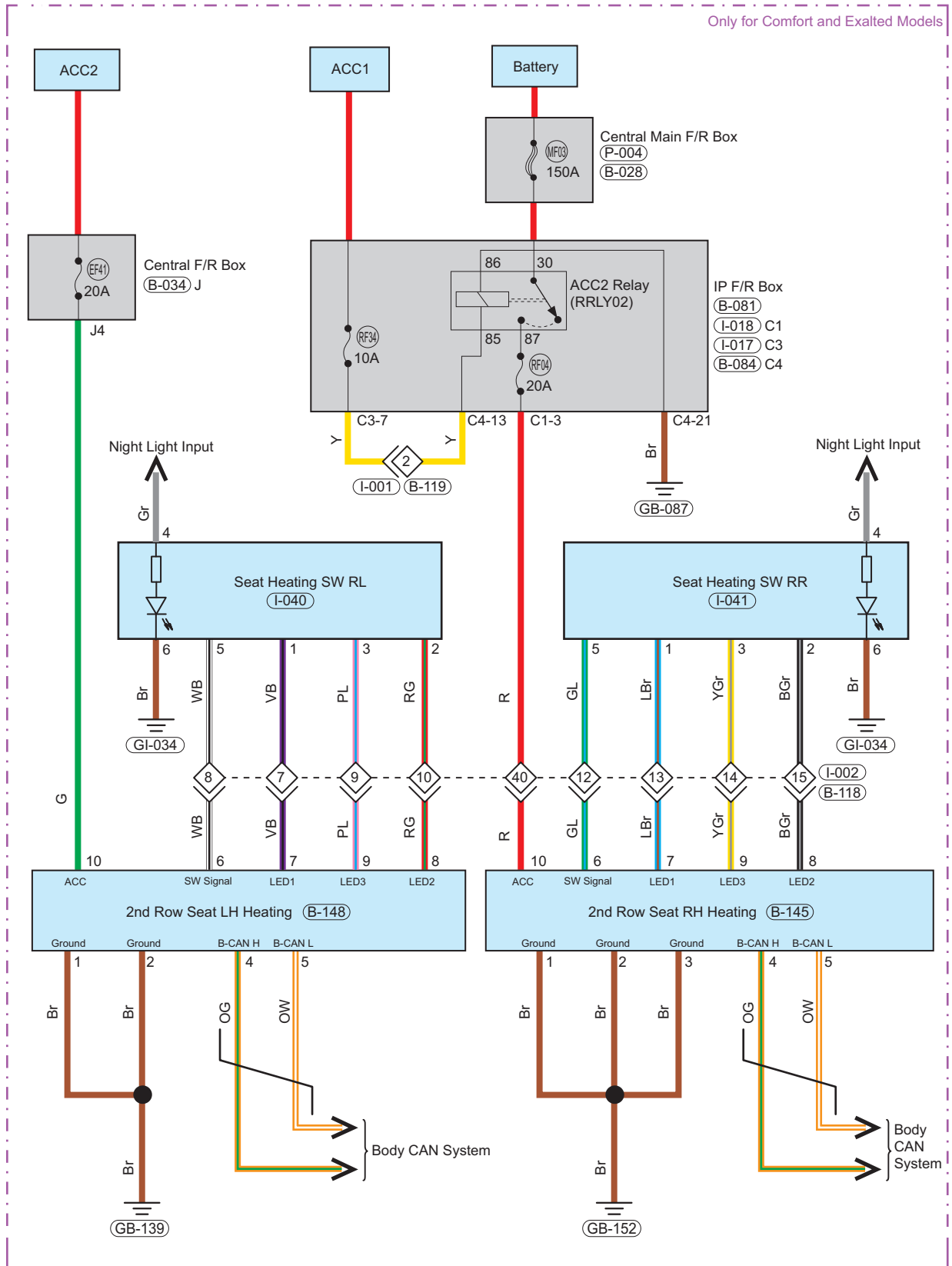
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Seat



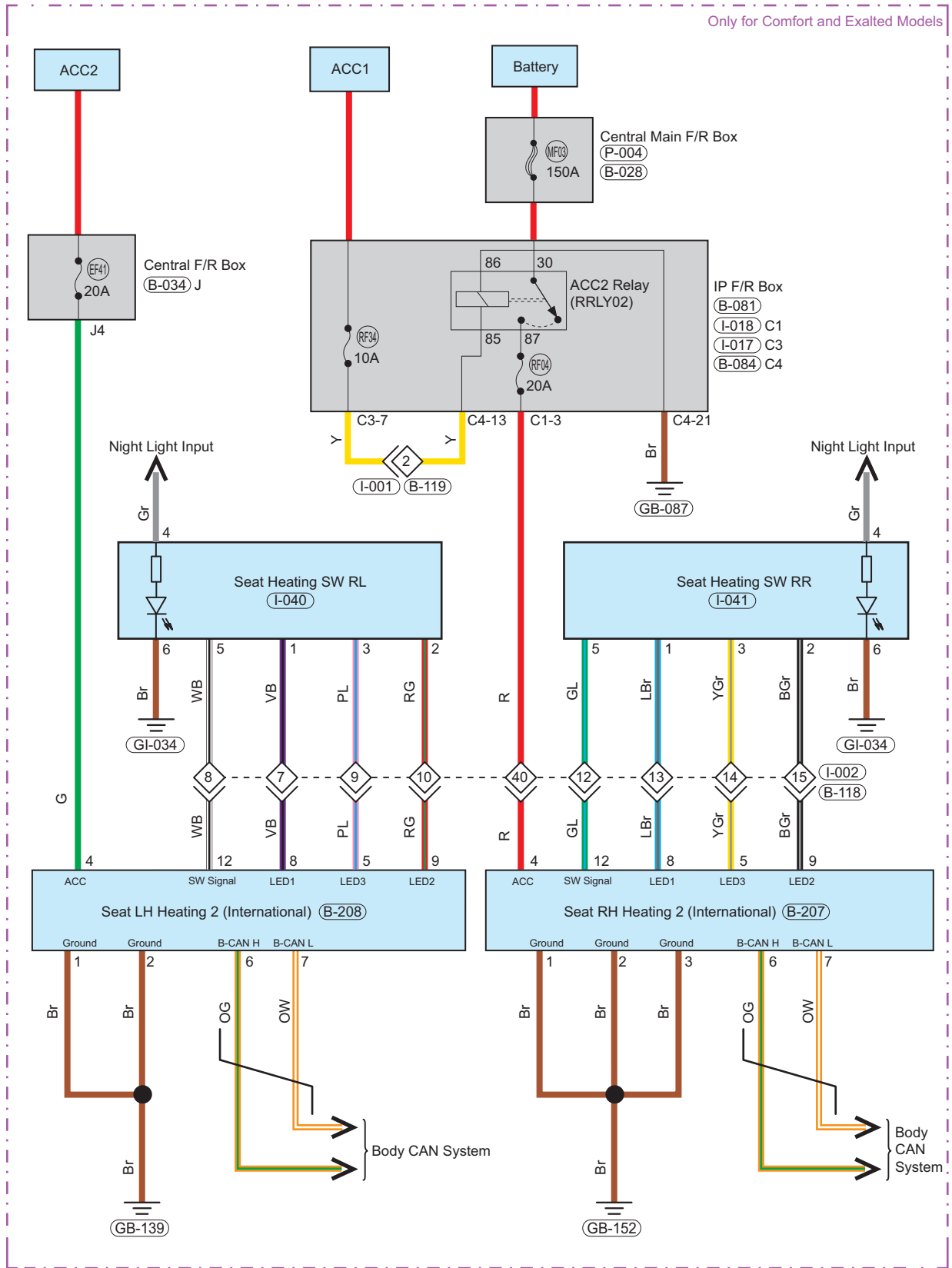
SEE010001

Seat



SEE011001

Seat



SEE011002

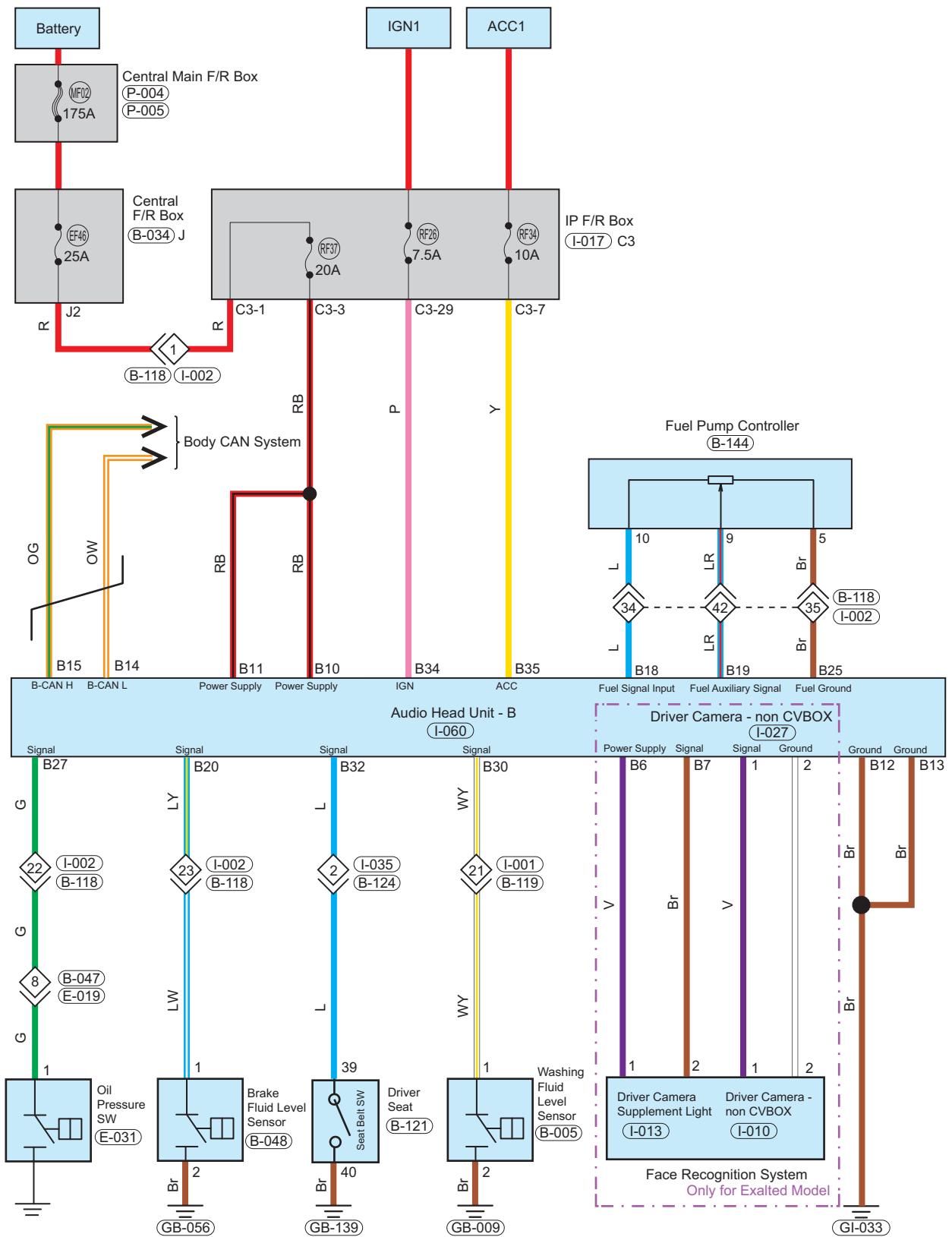
Seat

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-001 | Instrument Panel to Interior Left 1 B-119 | 10-89 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| GI-034 | G503 | 10-90 |
| I-035 | Instrument Panel to Interior Center B-124 | 10-90 |
| I-040 | Rear Left Seat Heating Switch | 10-91 |
| I-041 | Rear Right Seat Heating Switch | 10-91 |
| I-060 | Audio Head Unit - B | 10-92 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-034 | Central F/R Box J | 10-63 |
| B-036 | Central F/R Box E | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-084 | Instrument Panel F/R Box C4 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-099 | Front Passenger Foot Support | 10-66 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| B-114 | Surround View Camera Video Output | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| B-121 | Driver Seat S-001 | 10-68 |
| B-124 | Instrument Panel Wire Harness Interface - M I-035 | 10-68 |
| B-125 | Airbag Control Module - B | 10-68 |

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| B-126 | Airbag Control Module - A | 10-69 |
| B-128 | Front Passenger Seat S-018 | 10-69 |
| B-129 | High Configuration Front Passenger Seat S-018 | 10-69 |
| GB-139 | G607-2 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| B-145 | 2nd Row Right Seat Heating | 10-70 |
| B-148 | 2nd Row Left Seat Heating | 10-70 |
| GB-152 | G608 | 10-70 |
| B-154 | Rear Left Seatback Adjustment Motor | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| B-167 | Power Amplifier 2 | 10-71 |
| B-173 | Rear Right Seatback Adjustment Motor | 10-71 |
| GB-175 | G615 | 10-71 |
| B-176 | 2nd Row Seat F/R Box | 10-71 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-007 | Left Rear View Mirror | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-007 | Right Rear View Mirror | 10-98 |
| H-008 | Front Passenger Seat Switch | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-009 | Rear Left Seat Switch | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-009 | Rear Right Seat Switch | 10-104 |
| S-001 | Connector B-121 Between Driver Seat and Body Wire Harness | 10-123 |
| S-002 | Comfort/Exalted Driver Seat Controller - 1 | 10-123 |
| S-003 | Comfort/Exalted Driver Seat Controller - 2 | 10-123 |
| S-005 | Driver Seat Belt Buckle | 10-123 |
| S-007 | Driver Seatback Motor | 10-123 |
| S-008 | Driver Regulator Motor | 10-123 |
| S-009 | Driver Horizontal Motor | 10-123 |
| S-010 | Lumbar Support Switch | 10-123 |
| S-011 | Seatback Adapter | 10-123 |
| S-012 | Pneumatic Lumbar Support | 10-123 |

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| S-013 | Headrest Audio | 10-123 |
| S-014 | Driver Seat Ventilation | 10-123 |
| S-015 | Driver Seatback Ventilation | 10-123 |
| S-016 | Driver Leg Support Motor | 10-123 |
| S-017 | Driver Seat Heating Pad | 10-123 |
| S-018 | Connector B-129 Between Front Passenger Seat and Body Wire Harness | 10-126 |
| S-019 | Front Passenger Seat Heater | 10-126 |
| S-020 | Front Passenger Seat Ventilation | 10-126 |
| S-021 | Front Passenger Seat Controller | 10-126 |
| S-022 | Front Passenger Seat Belt Buckle | 10-126 |
| S-023 | Front Passenger SBR | 10-126 |
| S-024 | Front Passenger Horizontal Motor | 10-126 |
| S-025 | Front Passenger Leg Support Motor | 10-126 |
| S-026 | Front Passenger Seatback Adapter | 10-126 |
| S-027 | Massage Switch | 10-126 |
| S-028 | Boss Button Switch | 10-126 |
| S-029 | Front Passenger Seatback Motor | 10-126 |
| S-030 | Front Passenger Seatback Ventilation | 10-126 |
| S-031 | Massage ECU | 10-126 |
| S-032 | Massage Air Pump | 10-127 |
| I-075 | ESSA Column Angle Adjustment Motor | 10-93 |
| I-076 | Column Adjustment Switch | 10-93 |
| I-078 | ESSA Column Length Adjustment Motor | 10-93 |
| B-207 | Right Seat Heating 2 (International) | 10-73 |
| B-208 | Left Seat heating 2 (International) | 10-73 |
| S-033 | Driver Seatback Heating | 10-123 |
| S-034 | Front Passenger Seatback Heating (Comfort) | 10-127 |
| S-035 | Front Passenger Seatback Heating (Exalted) | 10-127 |

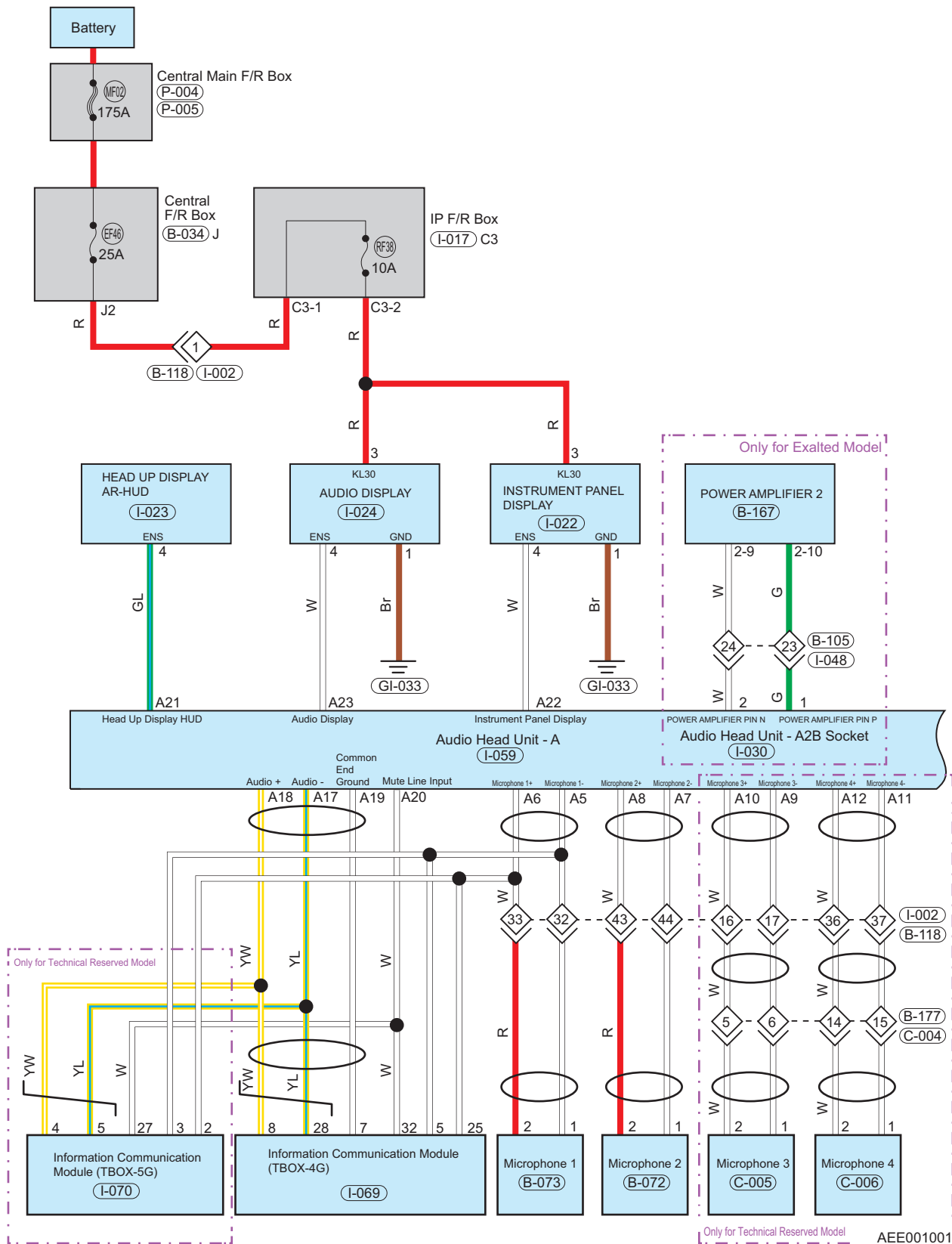
Domain Controller (Instrument Cluster/Audio)



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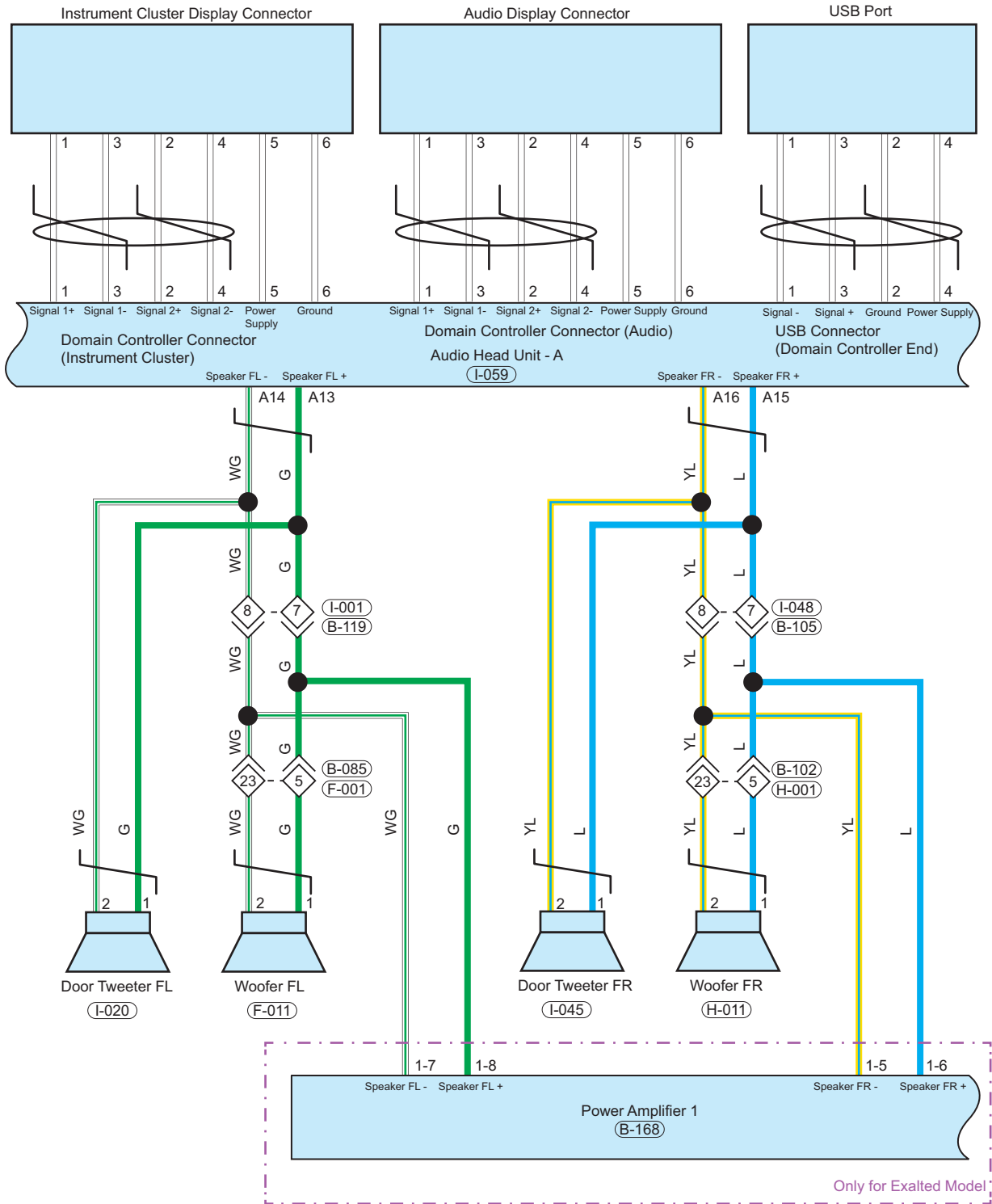
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Domain Controller (Instrument Cluster/Audio)

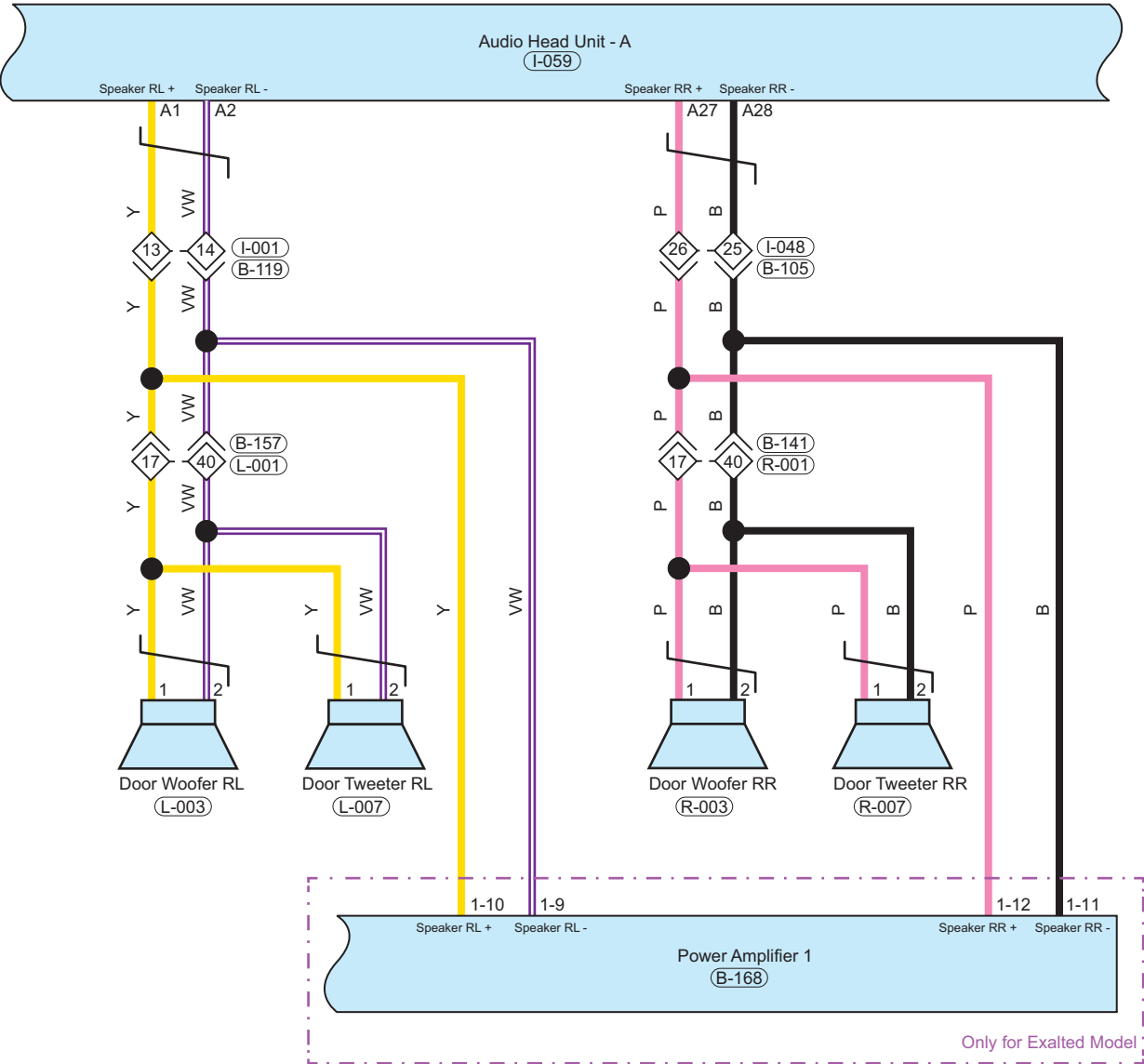


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Domain Controller (Instrument Cluster/Audio)



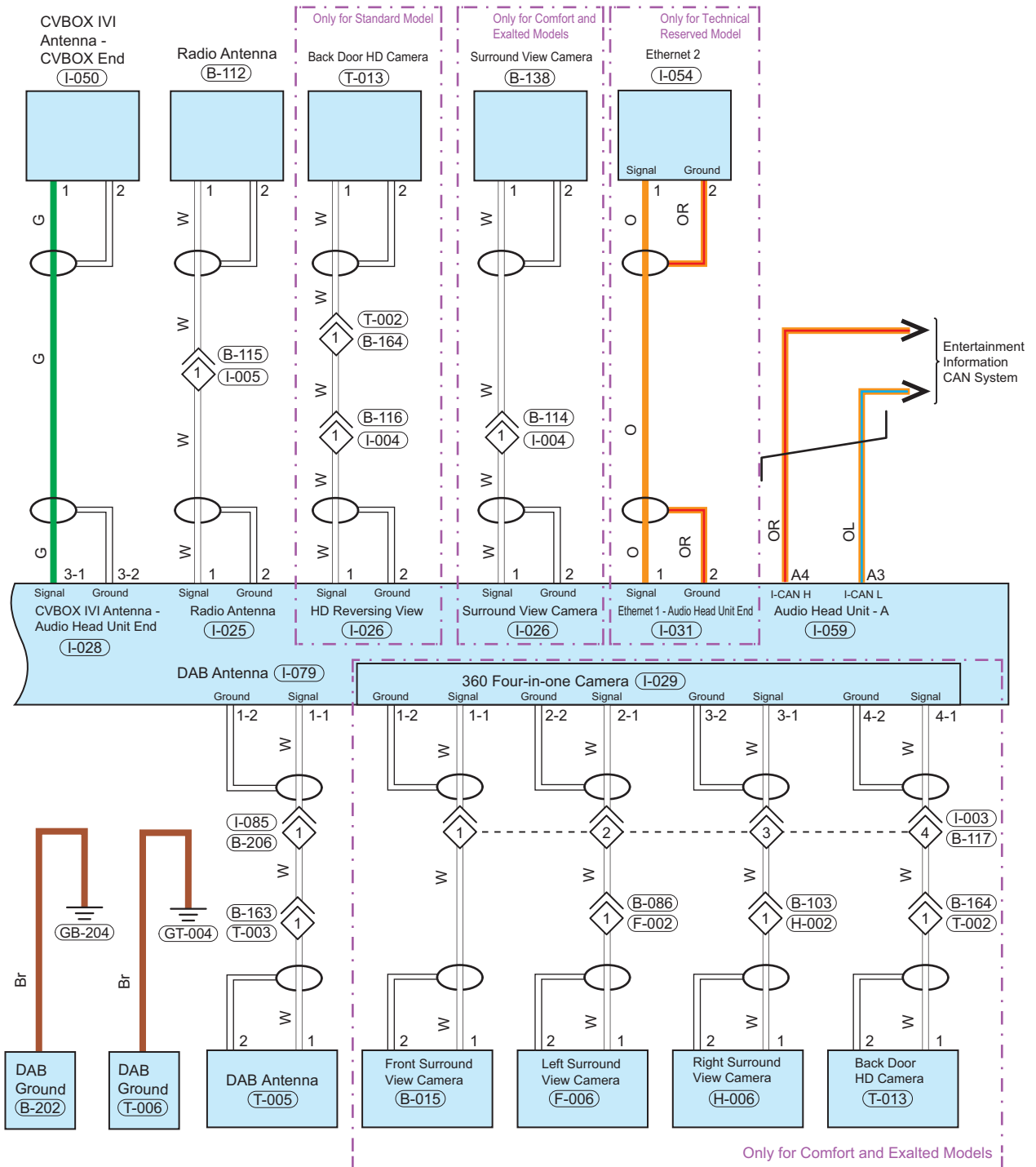
Domain Controller (Instrument Cluster/Audio)



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Domain Controller (Instrument Cluster/Audio)



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AEE004001

Domain Controller (Instrument Cluster/Audio)

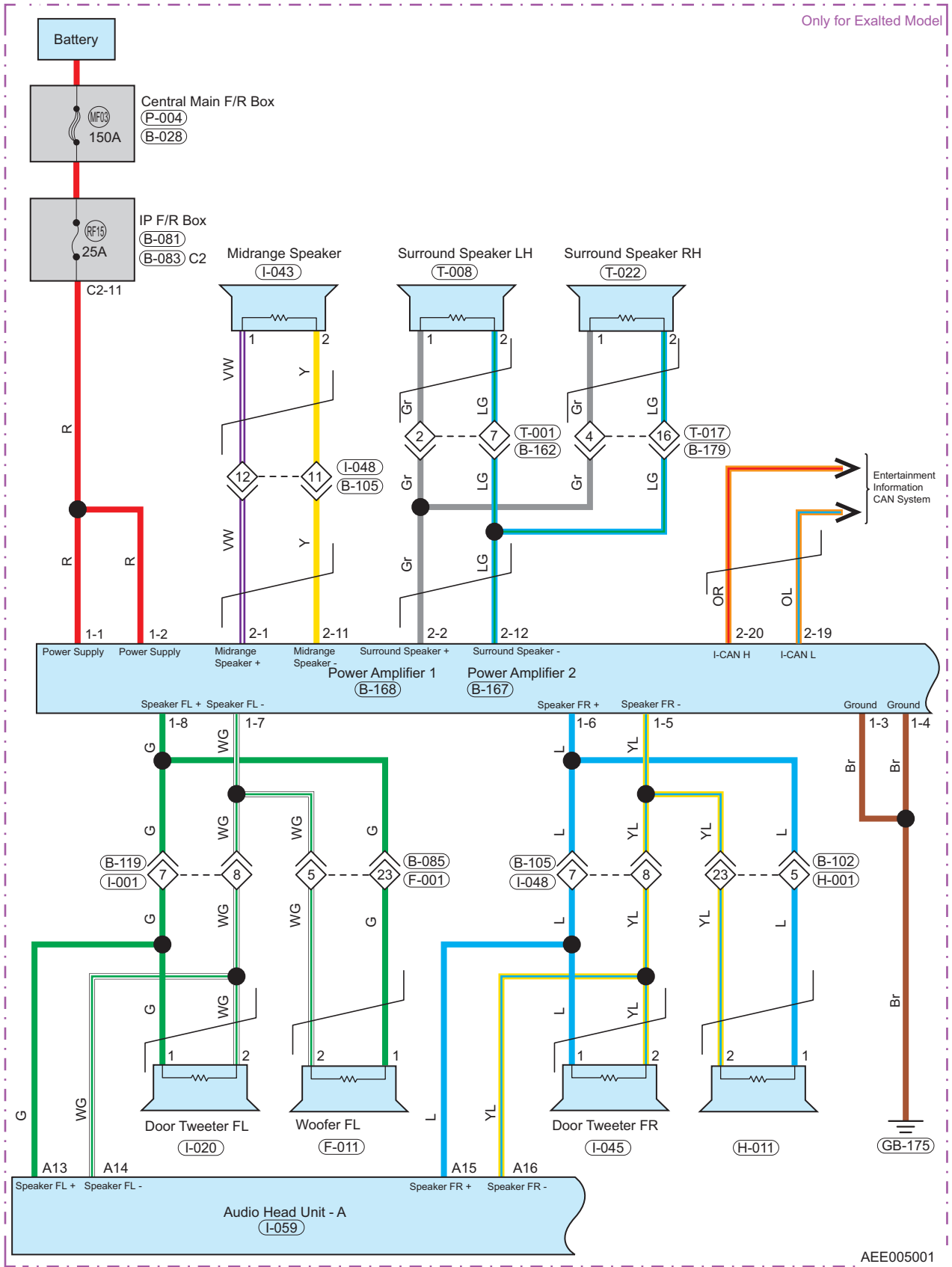
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| E-031 | Oil Pressure Switch | 10-6 |
| I-001 | Instrument Panel to Interior Left 1 B-119 | 10-89 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-003 | 360 Four-in-one Camera (w/o Pilot Configuration) | 10-89 |
| I-004 | Surround View Camera Video Output/HD Reversing View B-116 | 10-89 |
| I-005 | Radio Antenna | 10-89 |
| I-010 | Driver Camera - Non CVBOX | 10-90 |
| I-013 | Driver Camera Supplement Light | 10-90 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-020 | Front Left Door Tweeter | 10-90 |
| I-022 | Instrument Panel Display | 10-90 |
| I-023 | Head Up Display AR-HUD | 10-90 |
| I-024 | Audio Display | 10-90 |
| I-025 | Radio Antenna | 10-90 |
| I-026 | Surround View Camera Video Output/HD Reversing View | 10-90 |
| I-027 | Driver Camera - Non CVBOX | 10-90 |
| I-028 | CVBOX IVI Antenna - Audio Head Unit End | 10-90 |
| I-029 | 360 Four-in-one Camera (w/o Pilot Configuration) | 10-90 |
| I-030 | Audio Head Unit - A2B Socket | 10-90 |
| I-031 | Ethernet 1 | 10-90 |
| GI-033 | G502 | 10-90 |
| I-035 | Instrument Panel to Interior Center B-124 | 10-90 |
| I-045 | Front Right Door Tweeter | 10-91 |
| I-048 | Instrument Panel to Interior Right B-105 | 10-91 |
| I-050 | CVBOX IVI Antenna - CVBOX End | 10-91 |

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| I-054 | Ethernet 2 | 10-91 |
| I-059 | Audio Head Unit - A | 10-92 |
| I-060 | Audio Head Unit - B | 10-92 |
| I-069 | Information Communication Module (TBOX-4G) | 10-92 |
| I-070 | Information Communication Module (TBOX-5G) | 10-92 |
| B-005 | Washing Fluid Level Sensor | 10-62 |
| GB-009 | G101 | 10-62 |
| B-015 | Front Surround View Camera | 10-62 |
| B-034 | Central F/R Box J | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| B-048 | Brake Fluid Level Sensor (ONEBOX) | 10-64 |
| GB-056 | G603 | 10-64 |
| B-072 | Microphone 2 | 10-65 |
| B-073 | Microphone 1 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| B-086 | Left Surround View Camera F-002 | 10-65 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| B-103 | Right Surround View Camera H-002 | 10-66 |
| B-105 | Instrument Panel Wire Harness Interface - R I-048 | 10-67 |
| B-112 | Radio Antenna | 10-67 |
| B-114 | Surround View Camera Video Output I-004 | 10-67 |
| B-115 | Radio Antenna I-005 | 10-67 |
| B-116 | Reversing View Camera I-004 | 10-67 |
| B-117 | 360 Four-in-one Camera (w/o Pilot Configuration) I-003 | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| B-121 | Driver Seat S-001 | 10-68 |
| B-124 | Instrument Panel Wire Harness Interface - M I-035 | 10-68 |

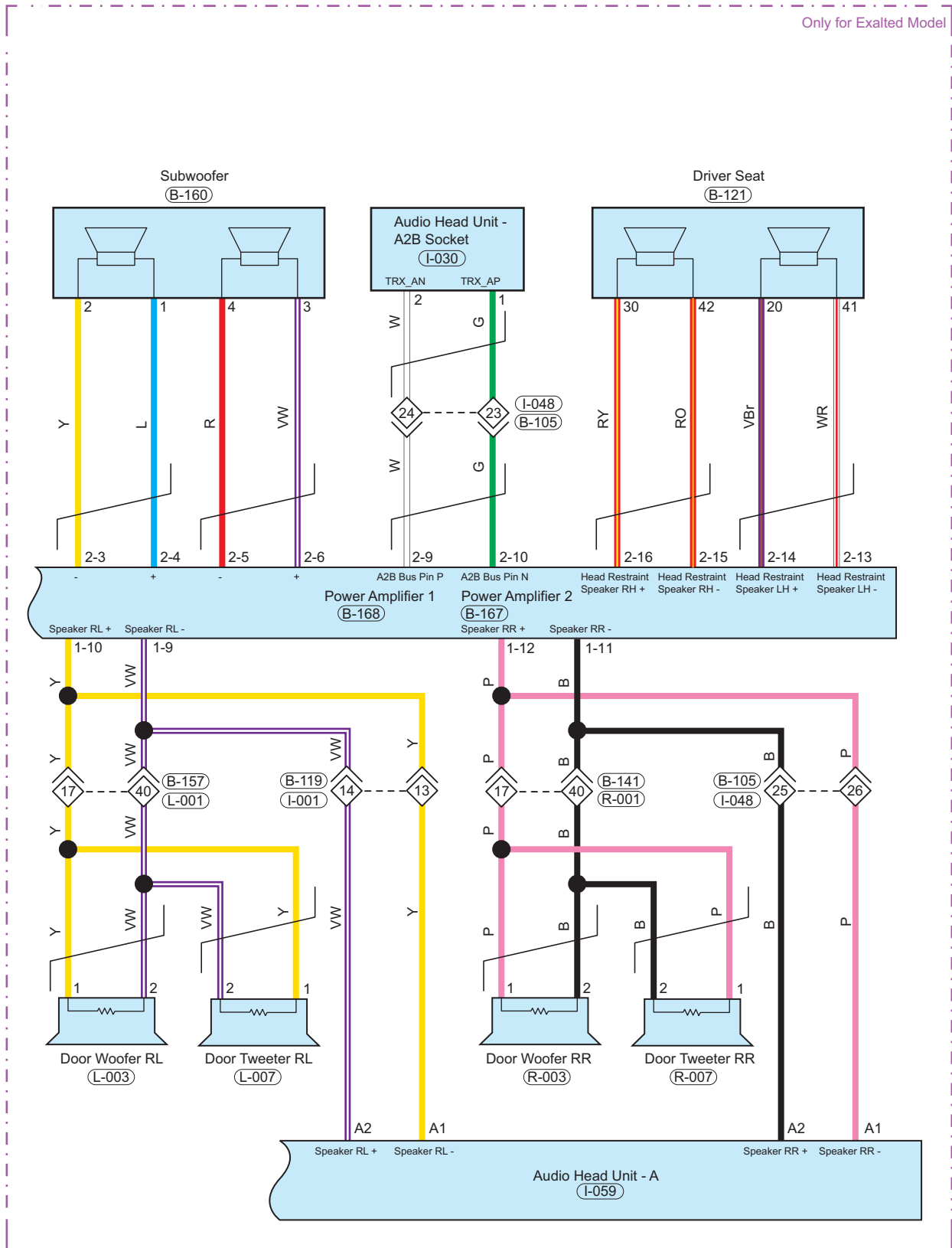
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| B-138 | Surround View Camera Video Output | 10-69 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| B-144 | Fuel Pump Controller | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| B-163 | Radio Antenna | 10-70 |
| B-164 | Rear Surround View Camera/ Reversing View Camera T-002 | 10-70 |
| B-167 | Power Amplifier 2 | 10-71 |
| B-168 | Power Amplifier 1 | 10-71 |
| B-177 | Roof Wire Harness Interface C-004 | 10-71 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-002 | Left Surround View Camera B-086 | 10-96 |
| F-006 | Left Surround View Camera | 10-96 |
| F-011 | Front Left Woofer | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-002 | Right Surround View Camera B-103 | 10-98 |
| H-006 | Right Surround View Camera | 10-98 |
| H-011 | Front Right Woofer | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-003 | Rear Left Door Woofer | 10-101 |
| L-007 | Rear Left Door Tweeter | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-003 | Rear Right Door Woofer | 10-104 |
| R-007 | Rear Right Door Tweeter | 10-104 |
| T-002 | Back Door HD Camera to Interior End/ Back Door Reversing View to Interior End B-164 | 10-110 |
| T-013 | Rear Back Door HD Camera | 10-110 |
| C-004 | Roof to Interior B-177 | 10-118 |
| C-005 | Microphone 3 | 10-118 |
| C-006 | Microphone 4 | 10-118 |
| I-085 | DAB Antenna to Interior B-206 | 10-93 |
| B-163 | Radio Antenna to Rear Left Back Door T-003 | 10-70 |

| Wire Harness Connector | Name | Page Number |
|------------------------|---------------------------------------|-------------|
| B-206 | DAB Antenna to Instrument Panel I-085 | 10-73 |
| T-003 | DAB to Wire Harness to Interior B-163 | 10-110 |
| GT-004 | G702 | 10-110 |
| T-005 | DAB Antenna | 10-110 |
| T-006 | DAB Ground | 10-110 |
| B-202 | DAB Ground | 10-72 |
| GB-204 | G611 G612 | 10-73 |

Power Amplifier (AMP)



Power Amplifier (AMP)



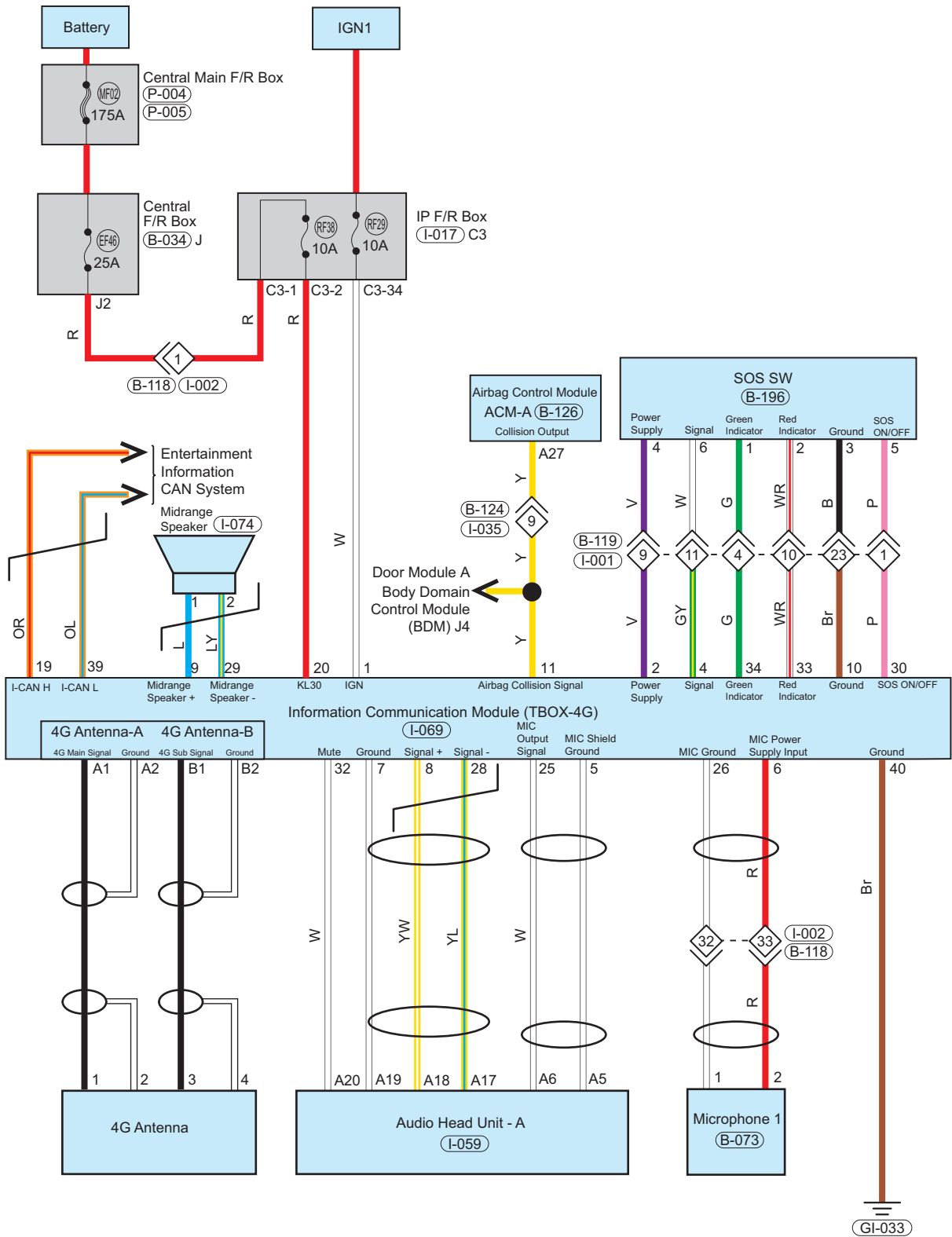
AEE006001

Power Amplifier (AMP)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| I-001 | Instrument Panel to Interior Left 1 B-119 | 10-89 |
| I-020 | Front Left Door Tweeter | 10-90 |
| I-030 | Audio Head Unit - A2B Socket | 10-90 |
| I-043 | Midrange Speaker | 10-91 |
| I-048 | Instrument Panel to Interior Right B-105 | 10-91 |
| I-059 | Audio Head Unit - A | 10-92 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| B-105 | Instrument Panel Wire Harness Interface - R I-048 | 10-67 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| B-121 | Driver Seat S-001 | 10-68 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| B-160 | Subwoofer | 10-70 |
| B-162 | Rear Left Back Door Wire Harness Interface T-001 | 10-70 |
| B-167 | Power Amplifier 2 | 10-71 |
| B-168 | Power Amplifier 1 | 10-71 |
| GB-175 | G615 | 10-71 |
| B-179 | Rear Right Back Door Wire Harness Interface T-017 | 10-71 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-011 | Front Left Woofer | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-011 | Front Right Woofer | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| L-003 | Rear Left Door Woofer | 10-101 |
| L-007 | Rear Left Door Tweeter | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-003 | Rear Right Door Woofer | 10-104 |
| R-007 | Rear Right Door Tweeter | 10-104 |
| T-001 | Rear Left Back Door to Interior B-162 | 10-110 |
| T-008 | Left Surround Speaker | 10-110 |
| T-017 | Rear Right Back Door to Interior B-179 | 10-110 |
| T-022 | Right Surround Speaker | 10-111 |

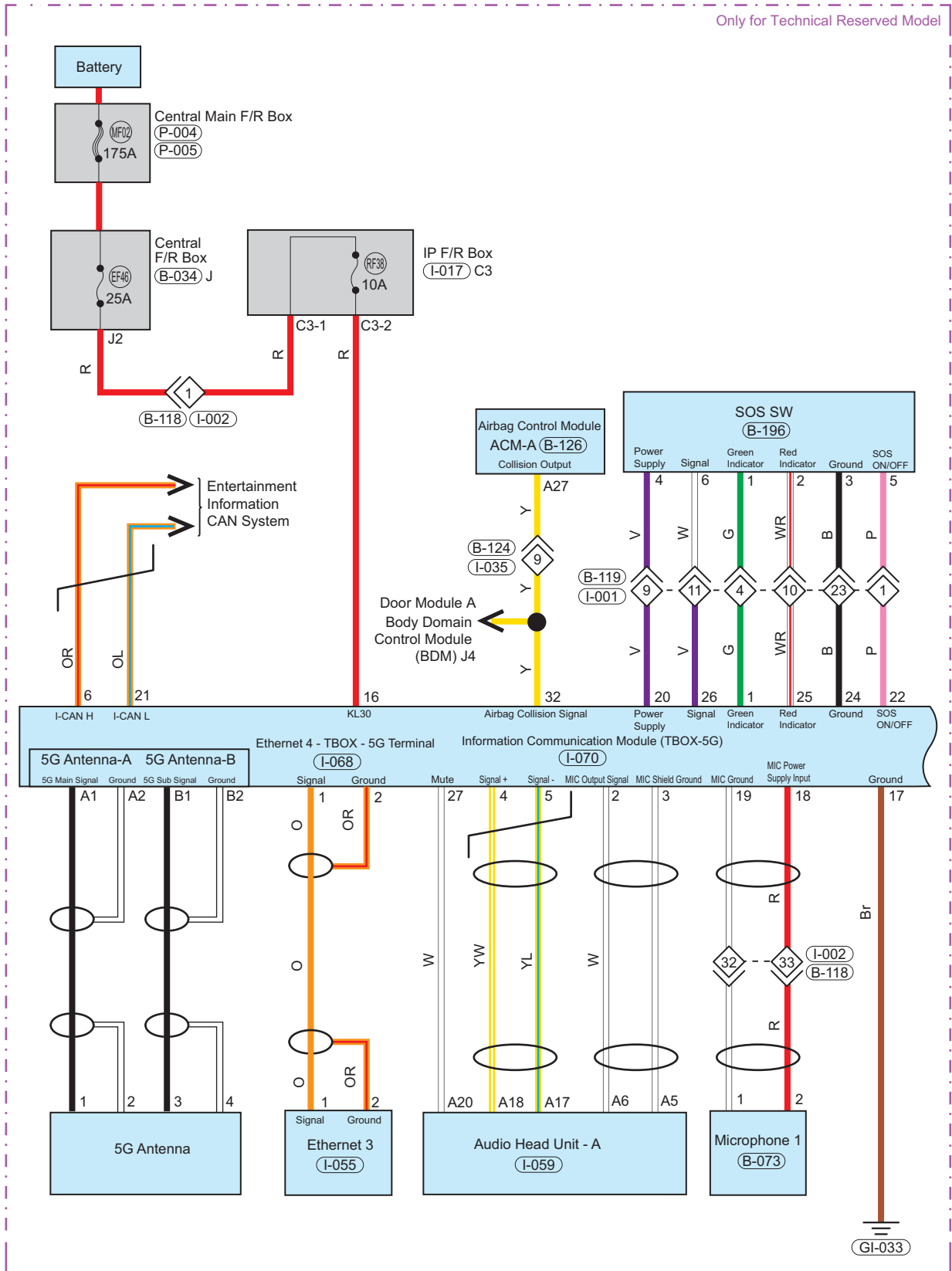
Information Communication System (TBOX-4G/TBOX-5G)



11

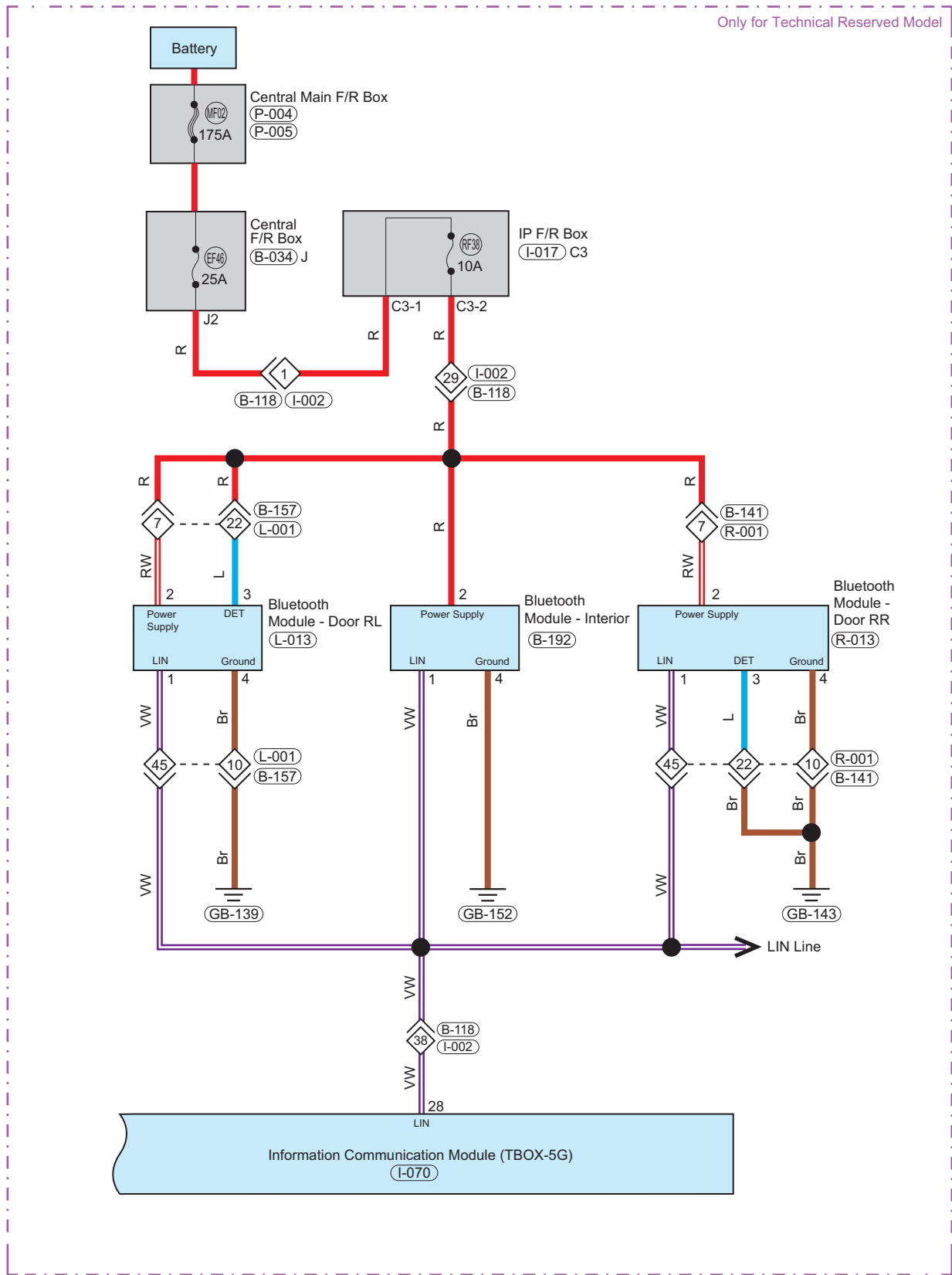
AEE007001

Information Communication System (TBOX-4G/TBOX-5G)



AEE008001

Information Communication System (TBOX-4G/TBOX-5G)



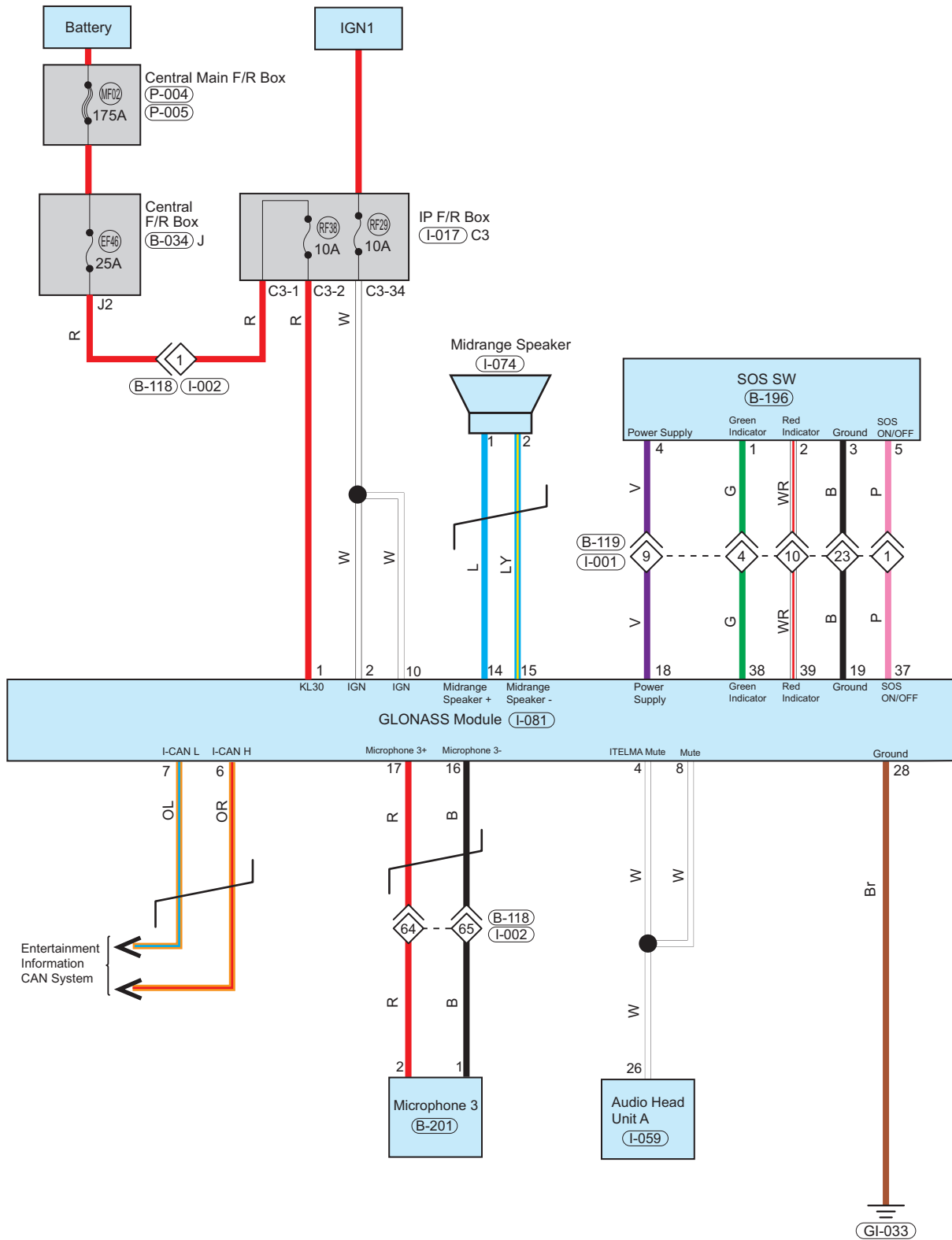
AEE009001

Information Communication System (TBOX-4G/TBOX-5G)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-001 | Instrument Panel to Interior Left 1 B-119 | 10-89 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| GI-033 | G502 | 10-90 |
| I-035 | Instrument Panel to Interior Center B-124 | 10-90 |
| I-055 | Ethernet 3 | 10-91 |
| I-059 | Audio Head Unit - A | 10-92 |
| I-068 | Ethernet 4 | 10-92 |
| I-069 | Information Communication Module (TBOX-4G) | 10-92 |
| I-070 | Information Communication Module (TBOX-5G) | 10-92 |
| B-034 | Central F/R Box J | 10-63 |
| B-073 | Microphone 1 | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| B-124 | Instrument Panel Wire Harness Interface - M I-035 | 10-68 |
| B-126 | Airbag Control Module - A | 10-69 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| GB-152 | G608 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| B-192 | Bluetooth Module - Interior | 10-72 |
| B-196 | SOS Switch | 10-72 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-013 | Bluetooth Module - Rear Left Door | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |

| Wire Harness Connector | Name | Page Number |
|------------------------|------------------------------------|-------------|
| R-013 | Bluetooth Module - Rear Right Door | 10-104 |
| I-074 | Midrange Speaker | 10-93 |

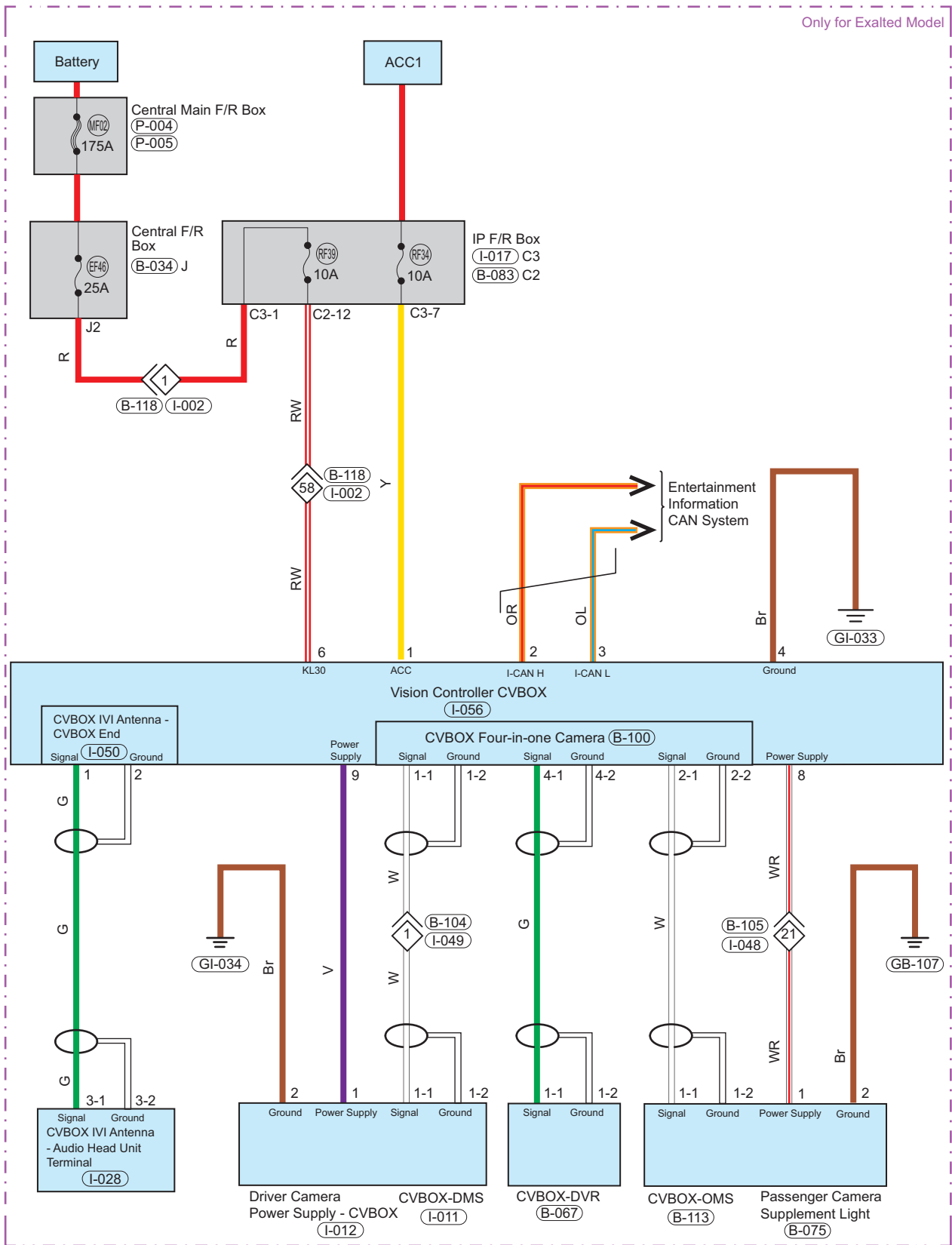
GLONASS Module



GLONASS Module

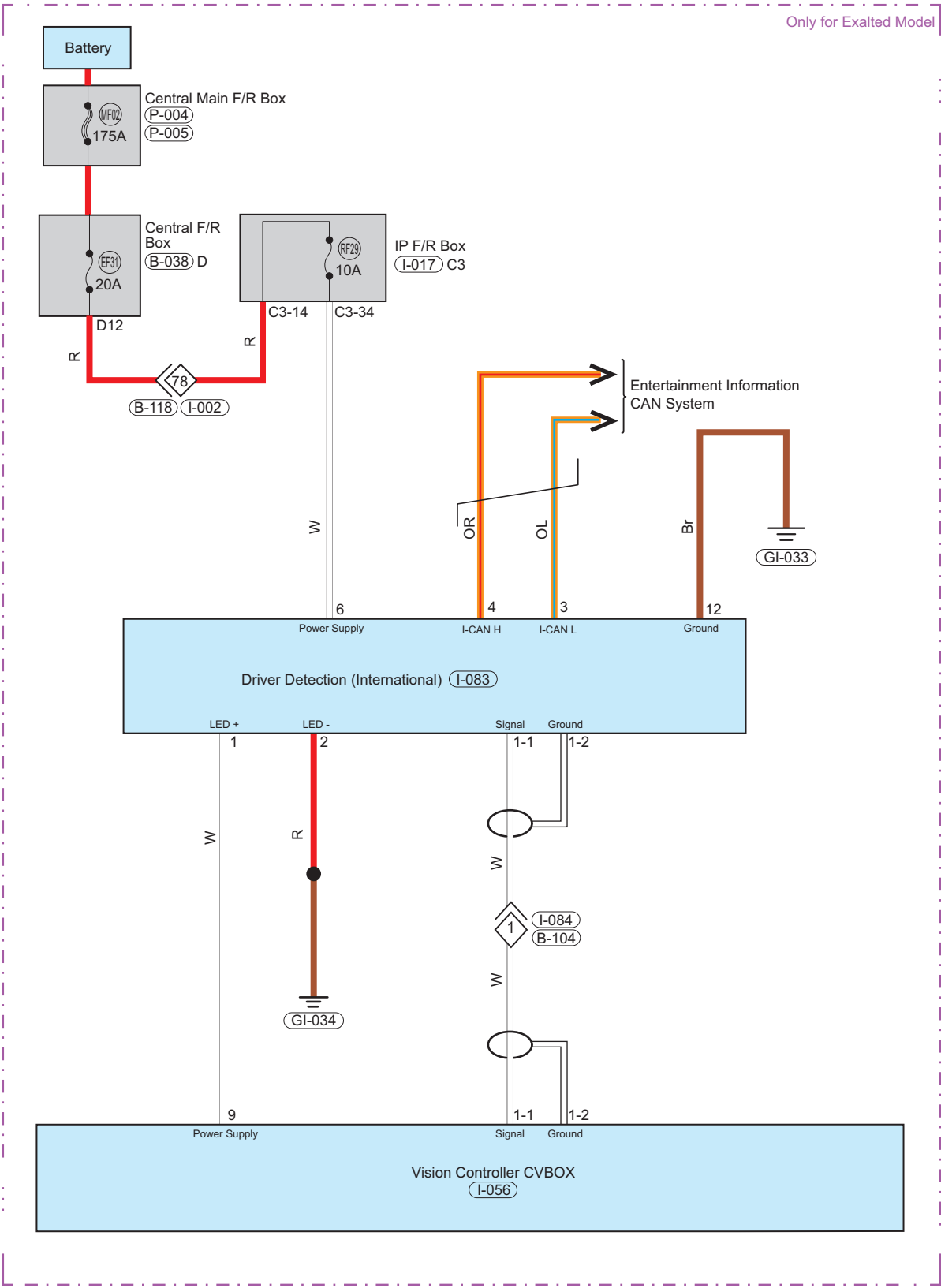
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| B-034 | Central F/R Box J | 10-63 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| B-196 | SOS Switch | 10-72 |
| B-201 | Microphone 3 | 10-72 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| GI-033 | G502 | 10-90 |
| I-059 | Audio Head Unit - A | 10-92 |
| I-074 | ERA/GLONS Midrange Speaker | 10-93 |
| I-081 | GLONASS Module | 10-93 |

Vision Controller System (CVBOX)



CVB001001

Vision Controller System (CVBOX)

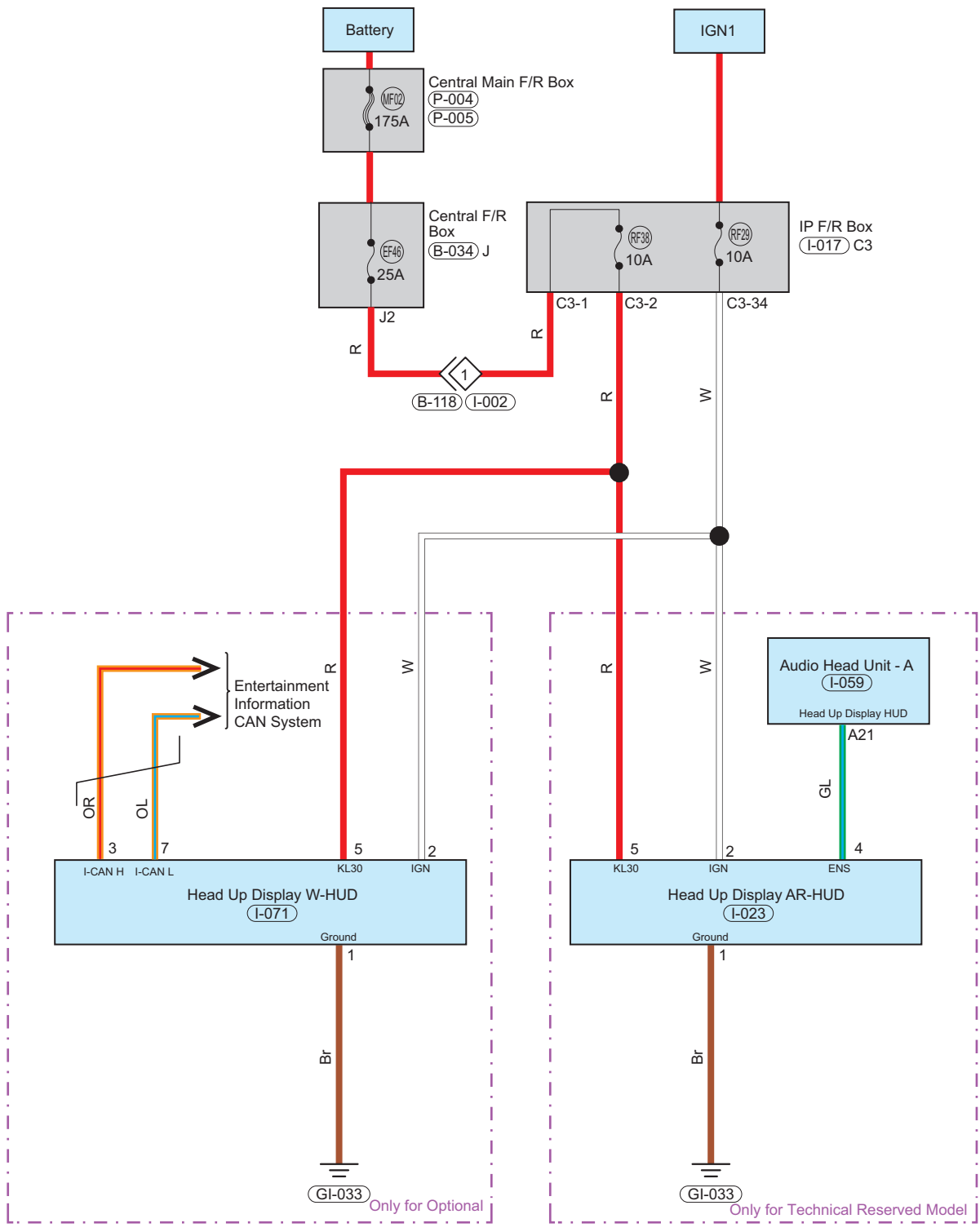


CVB001002

Vision Controller System (CVBOX)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-011 | CVBOX-DMS | 10-90 |
| I-012 | Driver Camera Power Supply - CVBOX | 10-90 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-028 | CVBOX IVI Antenna - Audio Head Unit End | 10-90 |
| GI-033 | G502 | 10-90 |
| GI-034 | G503 | 10-90 |
| I-048 | Instrument Panel to Interior Right B-105 | 10-91 |
| I-049 | Driver Camera - CVBOX to Interior B-104 | 10-91 |
| I-050 | CVBOX IVI Antenna - CVBOX End | 10-91 |
| I-056 | Vision Controller CVBOX | 10-91 |
| B-034 | Central F/R Box J | 10-63 |
| B-067 | CVBOX-DVR | 10-65 |
| B-075 | Passenger Camera Supplement Light | 10-65 |
| B-083 | Instrument Panel F/R Box C2 | 10-65 |
| B-100 | CVBOX Four-in-one Camera | 10-66 |
| B-104 | CVBOX-DMS to Instrument Panel I-049 | 10-66 |
| B-105 | Instrument Panel Wire Harness Interface - R I-048 | 10-67 |
| GB-107 | G610 | 10-67 |
| B-113 | CVBOX-OMS | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-038 | Central F/R Box D | 10-63 |
| I-084 | Driver Camera - Interior B-104 (International) | 10-93 |
| I-083 | Driver Detection (International) | 10-93 |

Head Up Display (HUD)

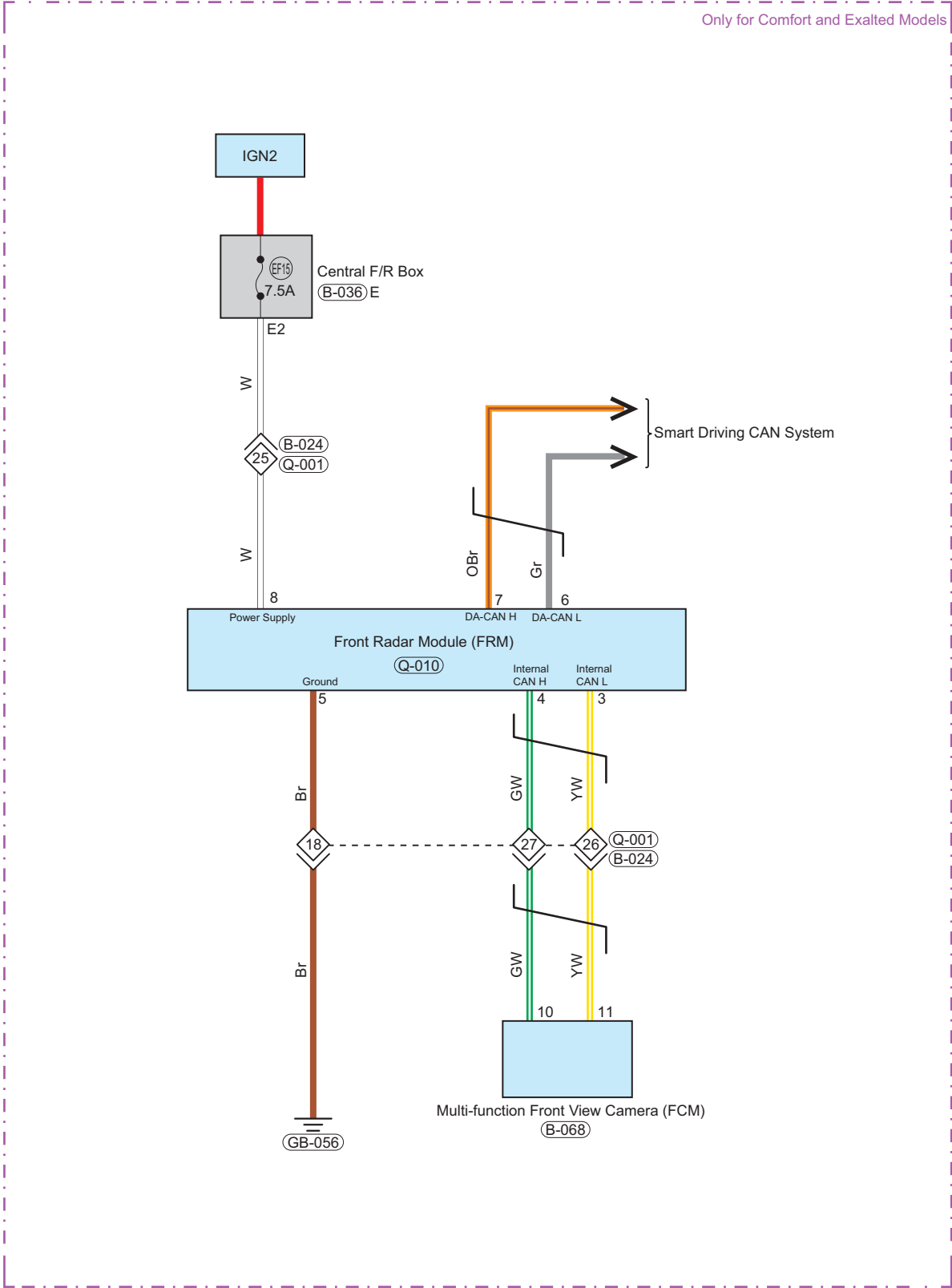


HUD001001

Head Up Display (HUD)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-023 | Head Up Display AR-HUD | 10-90 |
| GI-033 | G502 | 10-90 |
| I-059 | Audio Head Unit - A | 10-92 |
| I-071 | Head Up Display W-HUD | 10-92 |
| B-034 | Central F/R Box J | 10-63 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |

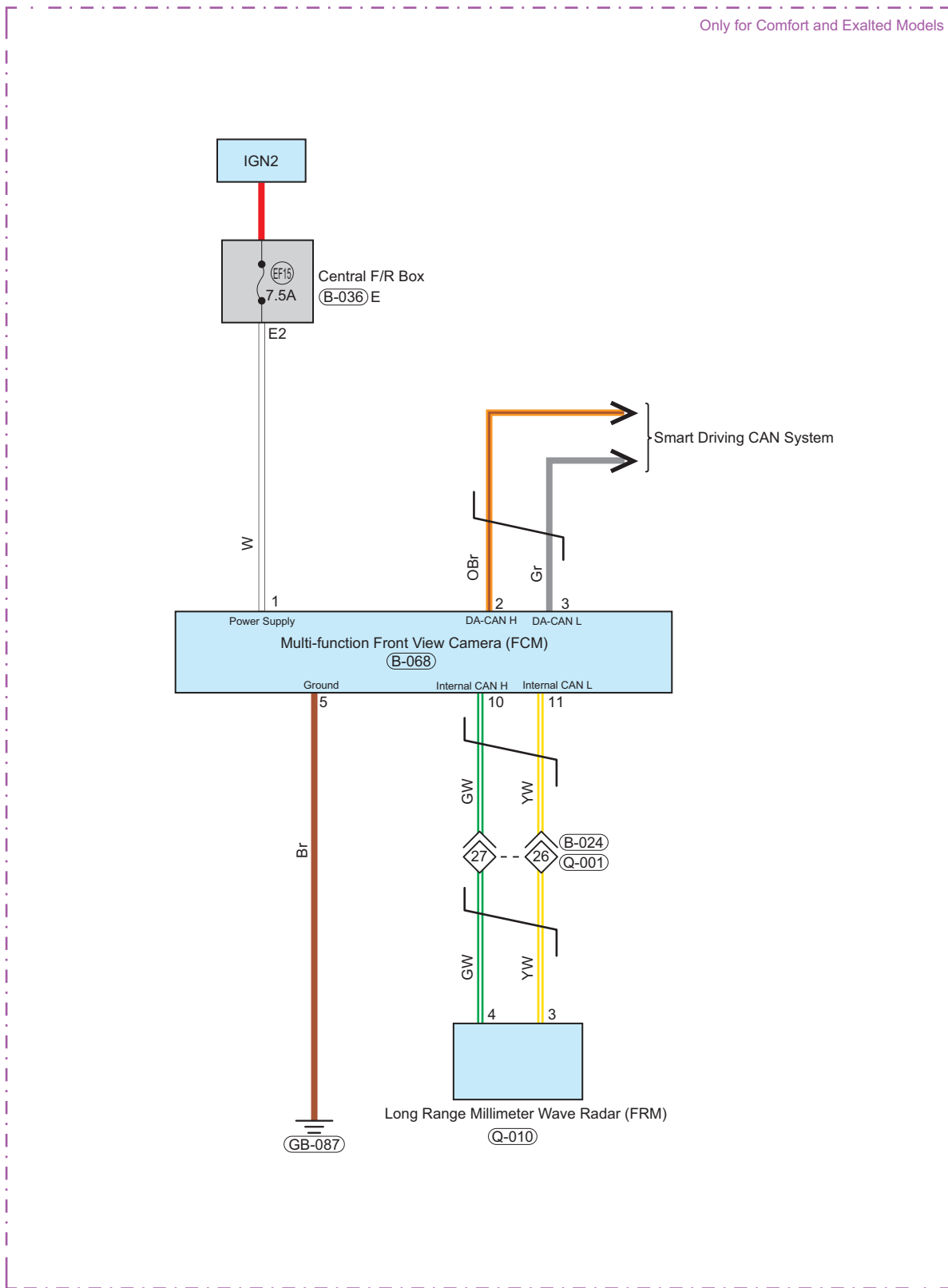
Front Radar Module (FRM)



Front Radar Module (FRM)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| Q-001 | Front Bumper to Interior B-024 | 10-16 |
| Q-010 | Long Range Millimeter Wave Radar (FRM) | 10-16 |
| B-024 | Front Bumper Wire Harness Interface Q-001 | 10-62 |
| B-036 | Central F/R Box E | 10-63 |
| GB-056 | G603 | 10-64 |
| B-068 | Multi-function Front View Camera (FCM) | 10-65 |

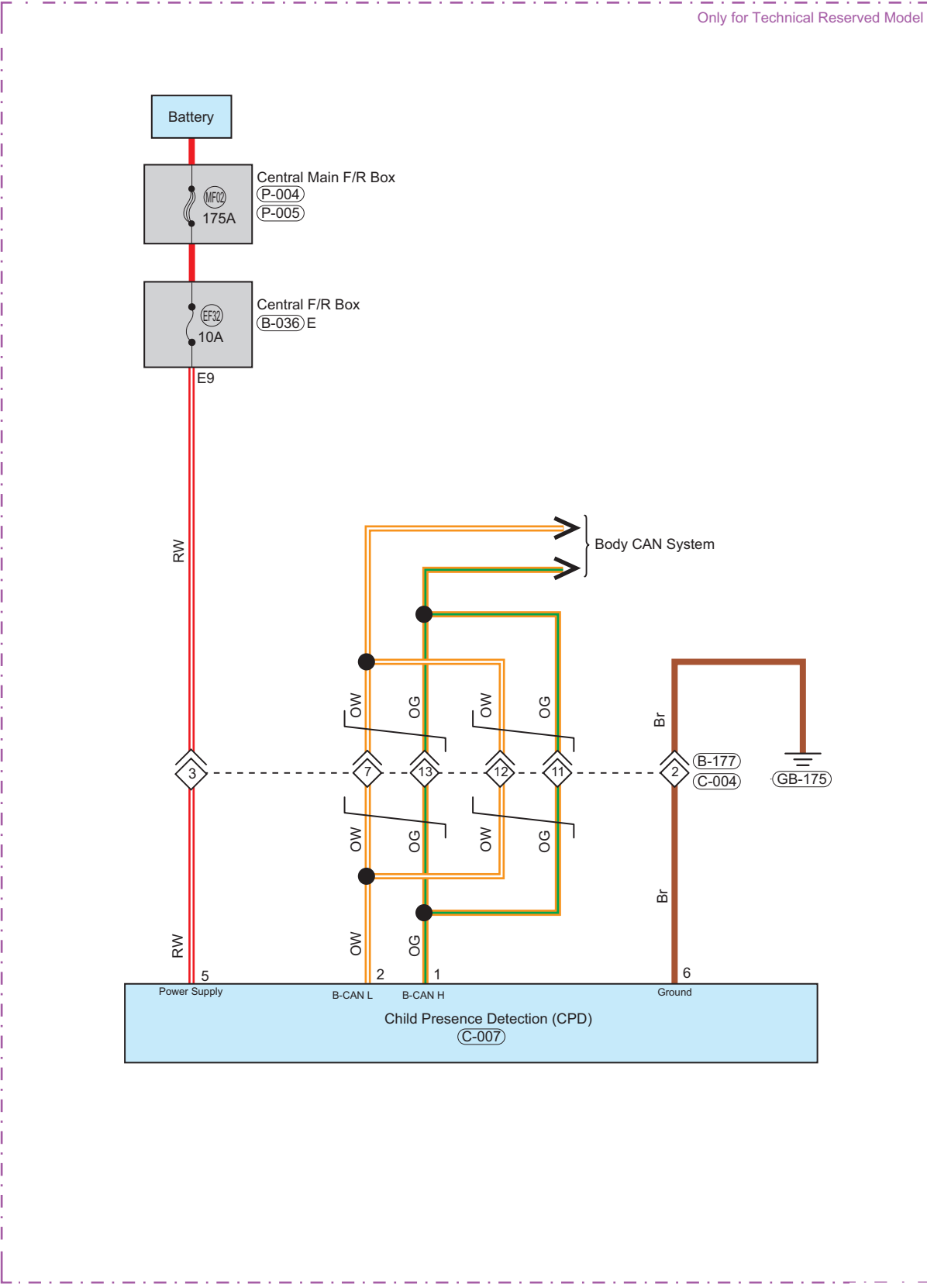
Multi-function Front View Camera (FCM)



Multi-function Front View Camera (FCM)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| Q-001 | Front Bumper to Interior B-024 | 10-16 |
| Q-010 | Long Range Millimeter Wave Radar (FRM) | 10-16 |
| B-024 | Front Bumper Wire Harness Interface Q-001 | 10-62 |
| B-036 | Central F/R Box E | 10-63 |
| B-068 | Multi-function Front View Camera (FCM) | 10-65 |
| GB-087 | G605 | 10-65 |

Child Presence Detection (CPD)

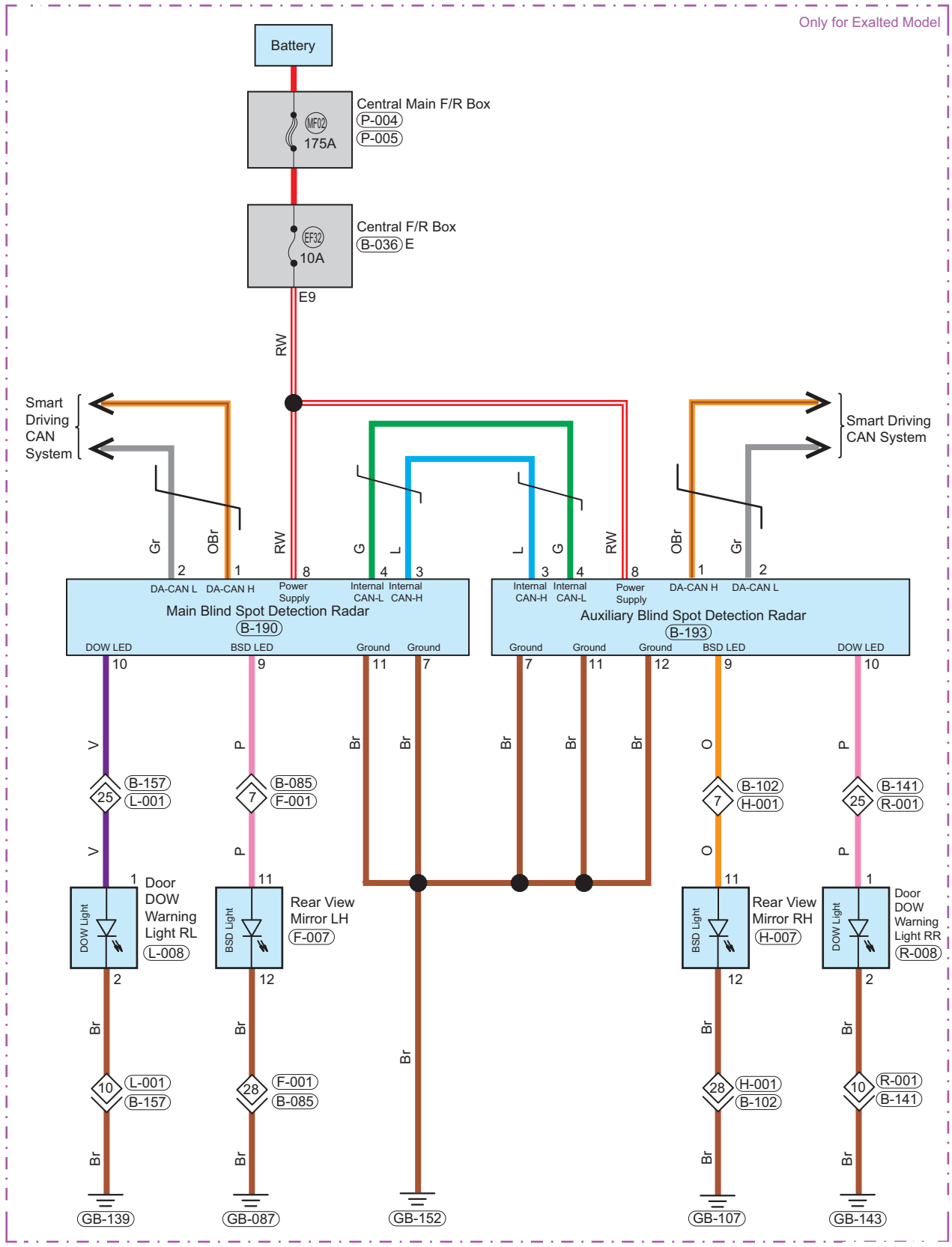


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Child Presence Detection (CPD)

| Wire Harness Connector | Name | Page Number |
|------------------------|-----------------------------------|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| B-036 | Central F/R Box E | 10-63 |
| GB-175 | G615 | 10-71 |
| B-177 | Roof Wire Harness Interface C-004 | 10-71 |
| C-004 | Roof to Interior B-177 | 10-118 |
| C-007 | Child Presence Detection (CPD) | 10-118 |

Blind Spot Monitoring System (BSD)

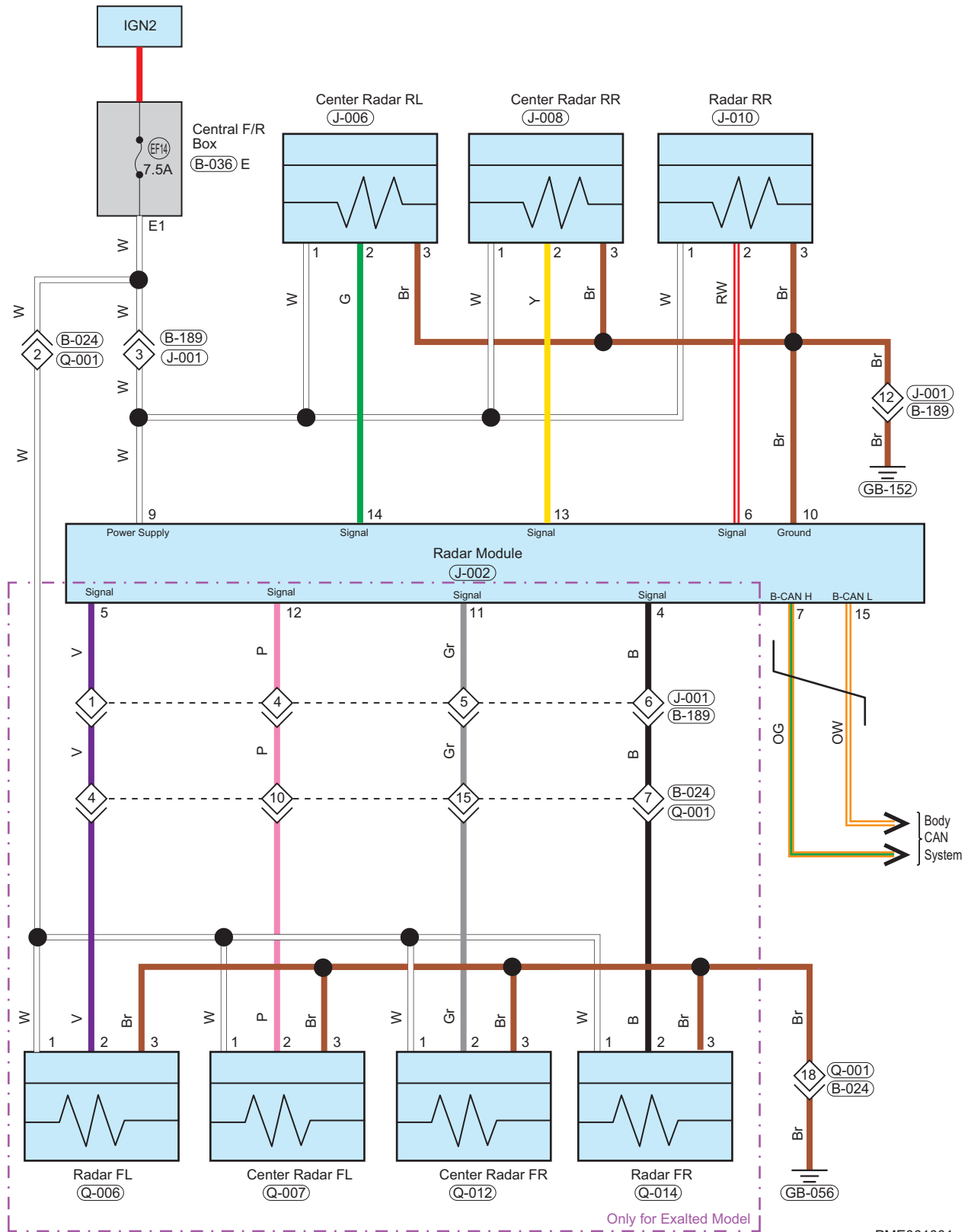


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Blind Spot Monitoring System (BSD)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| B-036 | Central F/R Box E | 10-63 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| GB-087 | G605 | 10-65 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| GB-107 | G610 | 10-67 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| GB-152 | G608 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| B-190 | Main Blind Spot Detection Radar | 10-72 |
| B-193 | Auxiliary Blind Spot Detection Radar | 10-72 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-007 | Left Rear View Mirror | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-007 | Right Rear View Mirror | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-008 | Rear Left Door DOW Warning Light | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-008 | Rear Right Door DOW Warning Light | 10-104 |

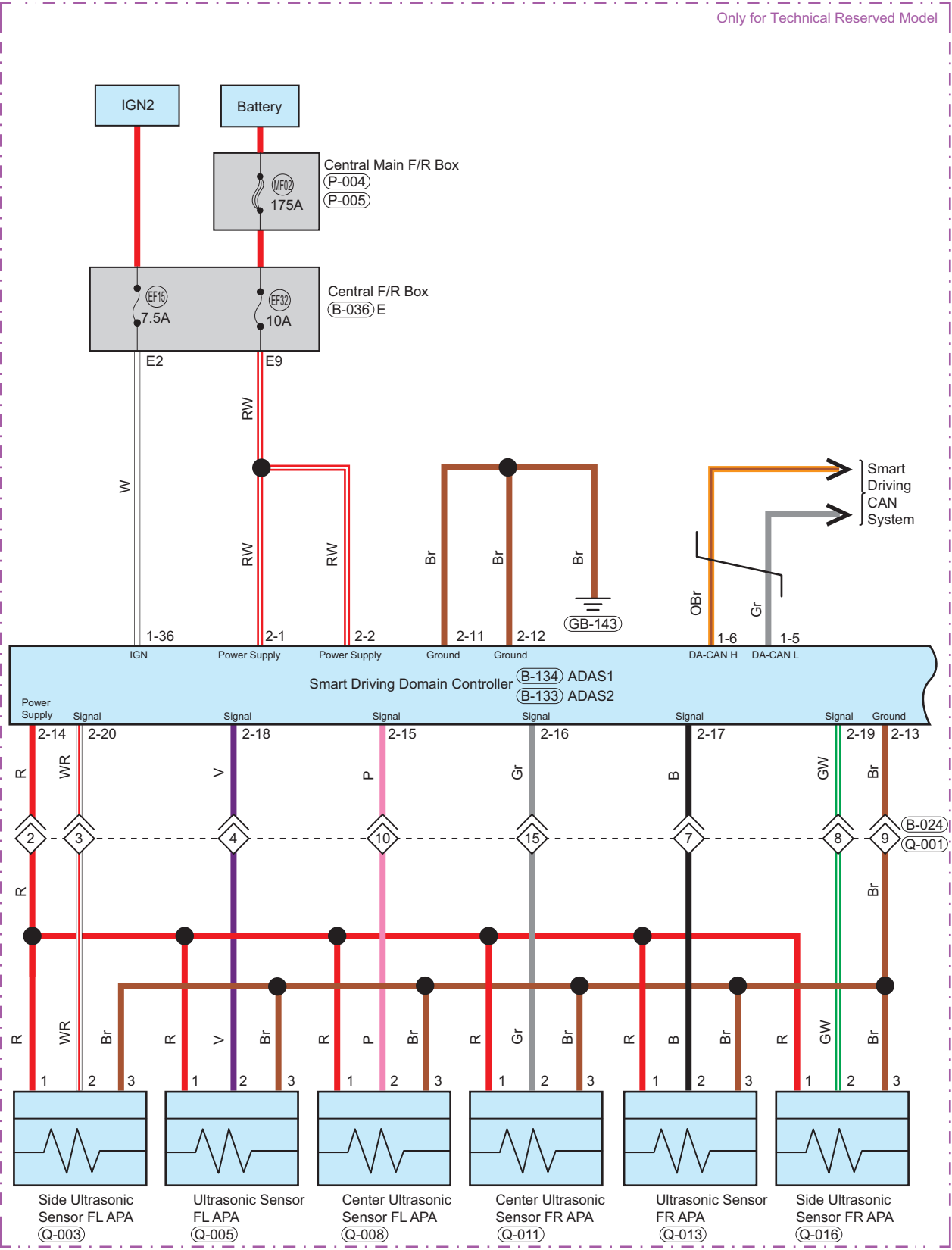
Parking Radar Assist System (RADAR)



Parking Radar Assist System (RADAR)

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| Q-001 | Front Bumper to Interior B-024 | 10-16 |
| Q-006 | Front Left Radar | 10-16 |
| Q-007 | Front Left Center Radar | 10-16 |
| Q-012 | Front Right Center Radar | 10-16 |
| Q-014 | Front Right Radar | 10-16 |
| B-024 | Front Bumper Wire Harness Interface Q-001 | 10-62 |
| B-036 | Central F/R Box E | 10-63 |
| GB-056 | G603 | 10-64 |
| GB-152 | G608 | 10-70 |
| B-189 | Rear Bumper Wire Harness Interface J-001 | 10-72 |
| J-001 | Rear Bumper to Interior B-189 | 10-19 |
| J-002 | Radar Module | 10-19 |
| J-006 | Rear Left Center Radar | 10-19 |
| J-008 | Rear Right Center Radar | 10-19 |
| J-010 | Rear Right Radar | 10-19 |

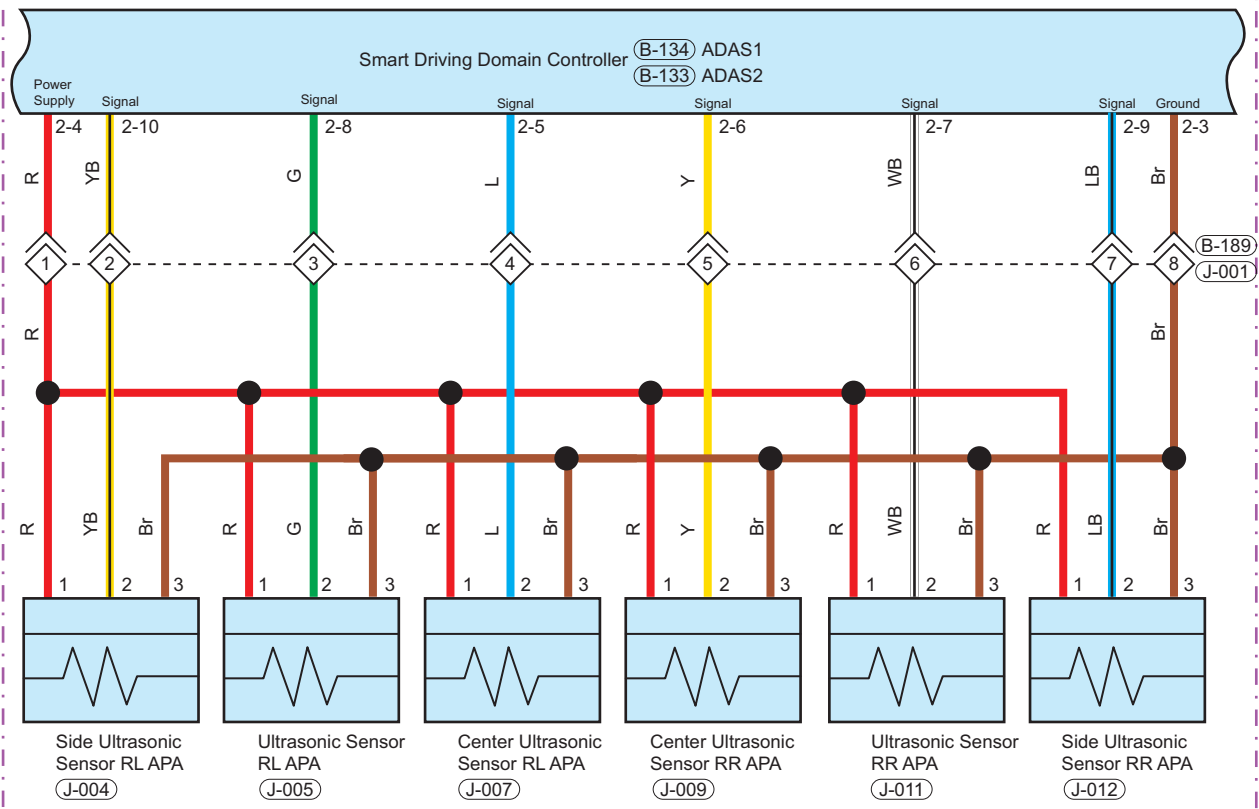
Smart Driving Domain Controller (ADAS)



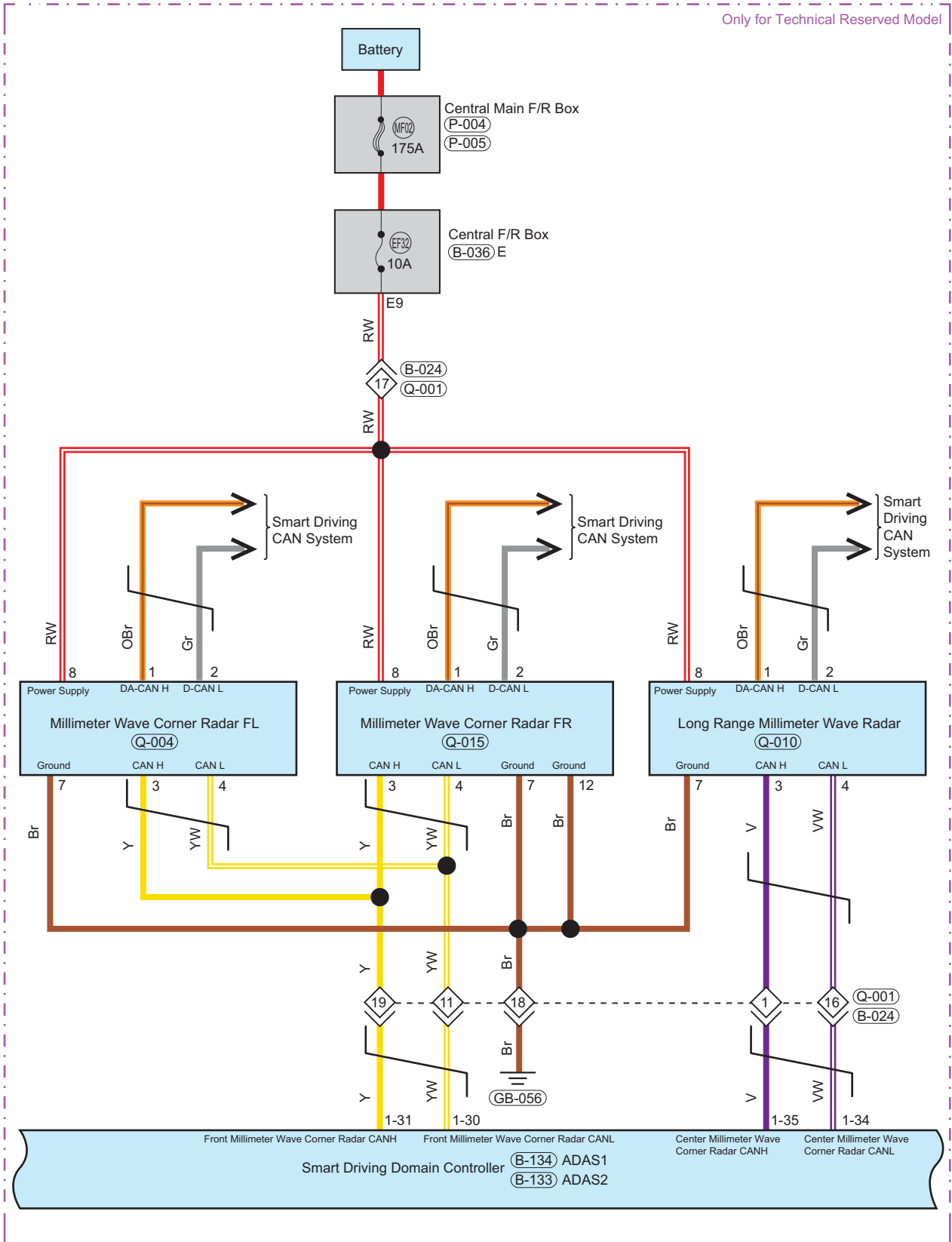
ADAS001001

Smart Driving Domain Controller (ADAS)

Only for Technical Reserved Model



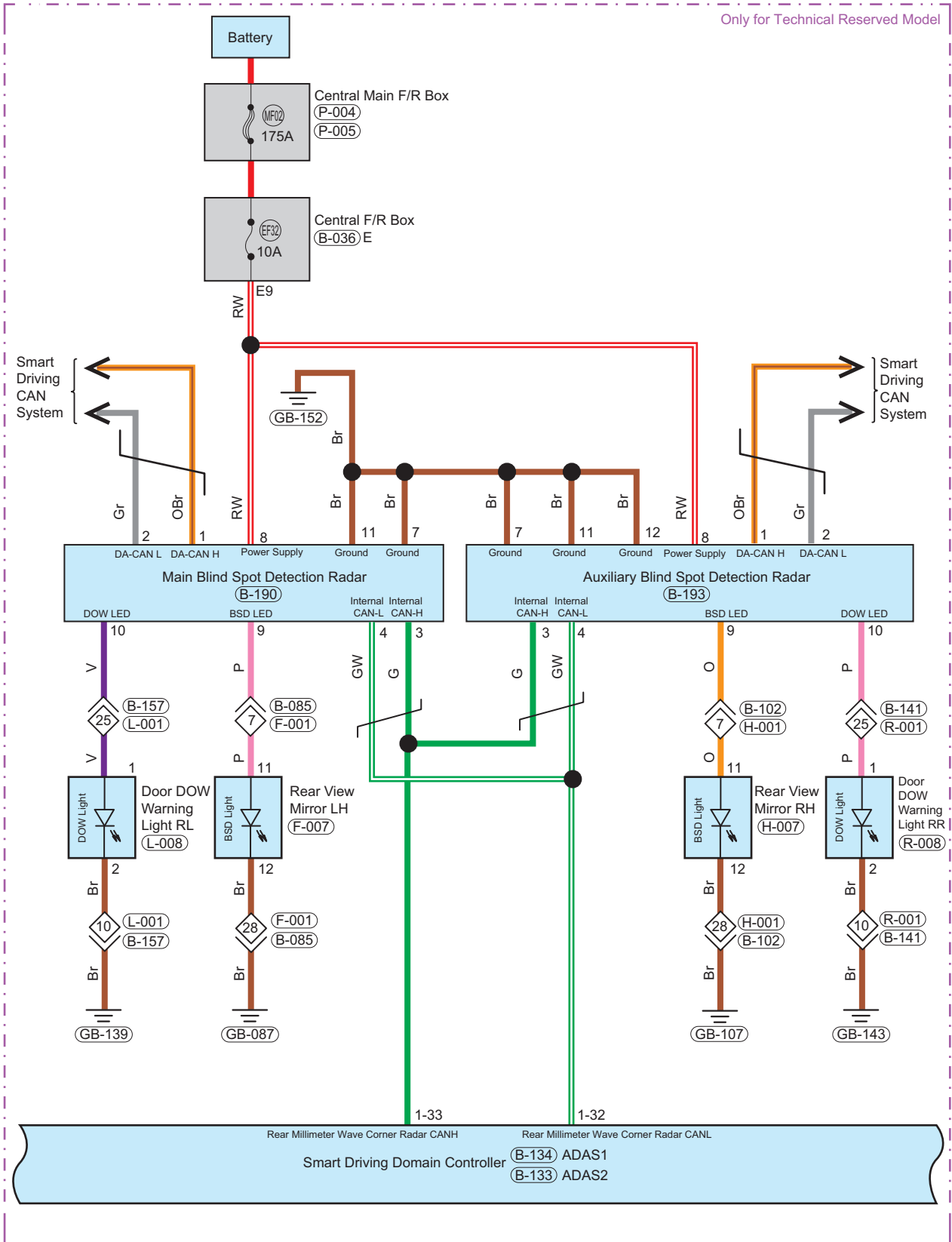
Smart Driving Domain Controller (ADAS)



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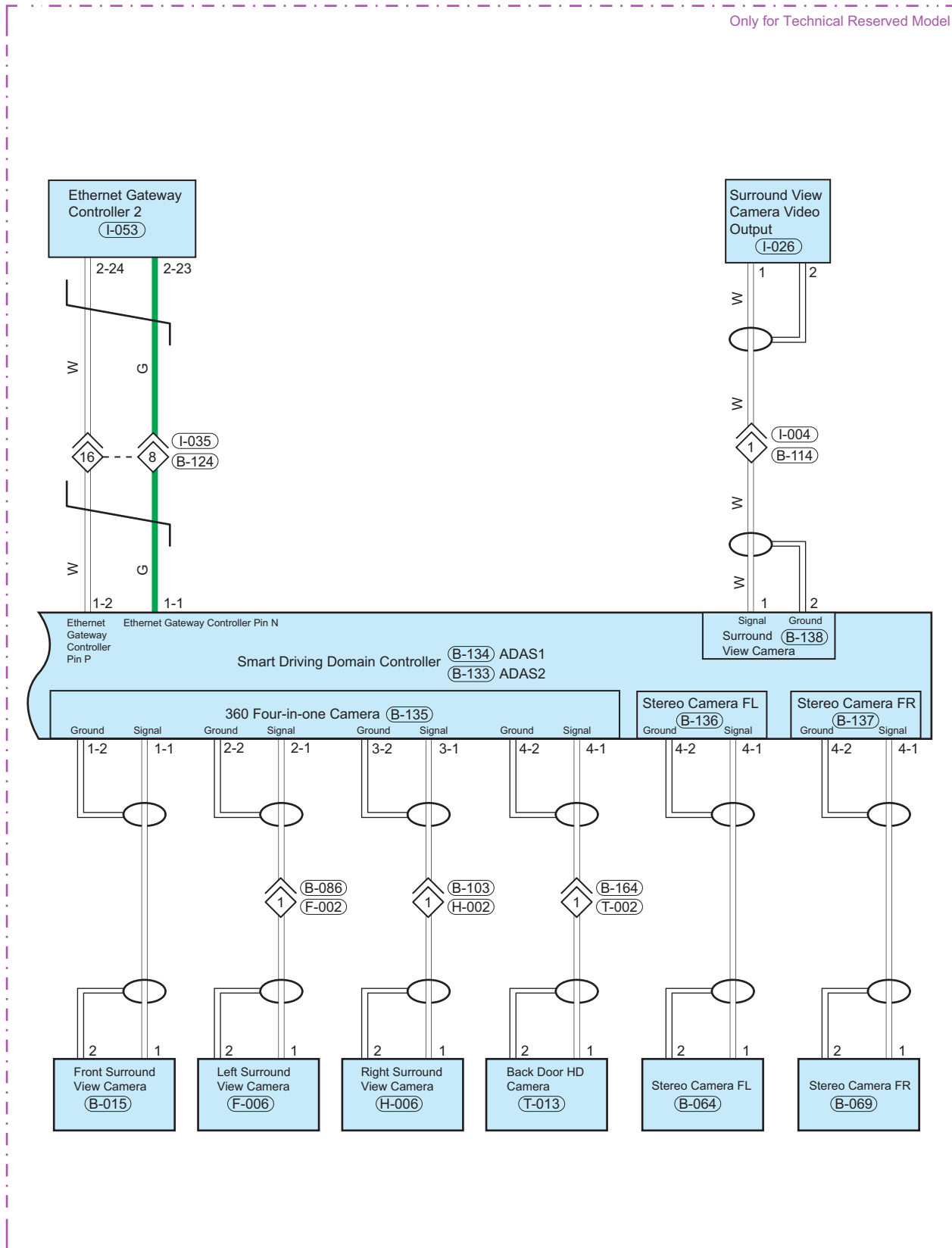
ADAS003001

Smart Driving Domain Controller (ADAS)



ADAS003002

Smart Driving Domain Controller (ADAS)



ADAS004001

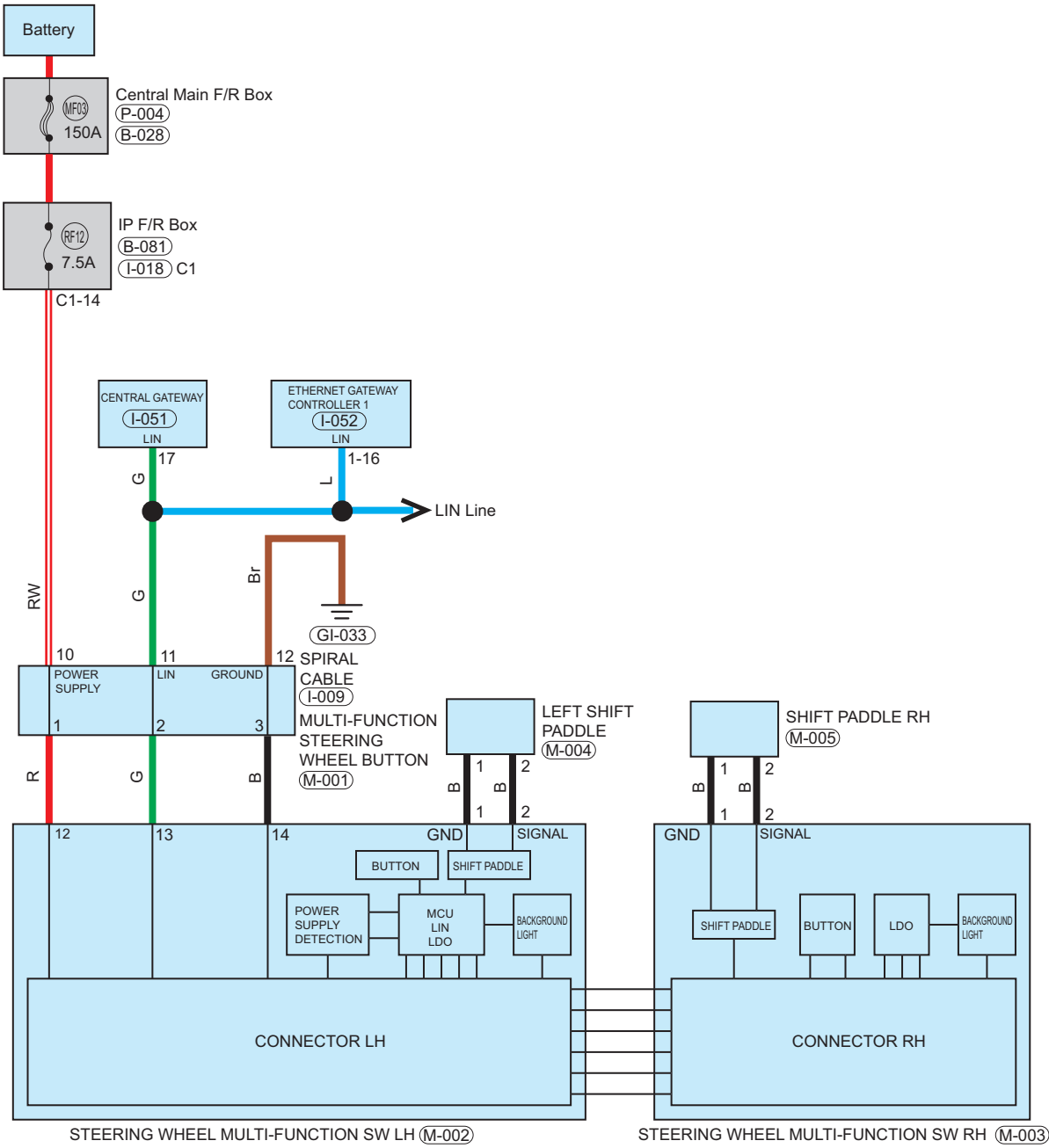
Smart Driving Domain Controller (ADAS)

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| P-005 | Central F/R Box Terminal | 10-10 |
| Q-001 | Front Bumper to Interior B-024 | 10-16 |
| Q-003 | Front Left Side Ultrasonic Sensor APA | 10-16 |
| Q-004 | Front Left Millimeter Wave Corner Radar | 10-16 |
| Q-005 | Front Left Ultrasonic Sensor APA | 10-16 |
| Q-008 | Front Left Center Ultrasonic Sensor APA | 10-16 |
| Q-010 | Long Range Millimeter Wave Radar (CPD) | 10-16 |
| Q-011 | Front Right Center Ultrasonic Sensor APA | 10-16 |
| Q-013 | Front Right Ultrasonic Sensor APA | 10-16 |
| Q-015 | Front Right Millimeter Wave Corner Radar | 10-16 |
| Q-016 | Front Right Side Ultrasonic Sensor APA | 10-16 |
| I-004 | Surround View Camera Video Output/HD Reversing View B-116 | 10-89 |
| I-026 | Surround View Camera Video Output/HD Reversing View | 10-90 |
| I-035 | Instrument Panel to Interior Center B-124 | 10-90 |
| I-053 | Ethernet Gateway Controller 2 | 10-91 |
| B-015 | Front Surround View Camera | 10-62 |
| B-024 | Front Bumper Wire Harness Interface Q-001 | 10-62 |
| B-036 | Central F/R Box E | 10-63 |
| B-064 | Front Left Stereo Camera | 10-64 |
| B-069 | Front Right Stereo Camera | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| B-086 | Left Surround View Camera F-002 | 10-65 |
| GB-087 | G605 | 10-65 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| B-103 | Right Surround View Camera H- 002 | 10-66 |

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| GB-107 | G610 | 10-67 |
| B-114 | Surround View Camera Video Output I-004 | 10-67 |
| B-124 | Instrument Panel Wire Harness Interface - M I-035 | 10-68 |
| B-133 | Smart Driving Domain Controller 2 | 10-69 |
| B-134 | Smart Driving Domain Controller 1 | 10-69 |
| B-135 | 360 Four-in-one Camera (w/ Pilot Configuration) | 10-69 |
| B-136 | Front Left Stereo Camera | 10-69 |
| B-137 | Front Right Stereo Camera | 10-69 |
| B-138 | Surround View Camera Video Output | 10-69 |
| GB-139 | G607-2 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |
| GB-143 | G616-2 | 10-70 |
| GB-152 | G608 | 10-70 |
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| B-164 | Rear Surround View Camera/ Reversing View Camera T-002 | 10-70 |
| B-189 | Rear Bumper Wire Harness Interface J-001 | 10-72 |
| B-190 | Main Blind Spot Detection Radar | 10-72 |
| B-193 | Auxiliary Blind Spot Detection Radar | 10-72 |
| J-001 | Rear Bumper to Interior B-189 | 10-19 |
| J-004 | Rear Left Side Ultrasonic Sensor APA | 10-19 |
| J-005 | Rear Left Ultrasonic Sensor APA | 10-19 |
| J-007 | Rear Left Center Ultrasonic Sensor APA | 10-19 |
| J-009 | Rear Right Center Ultrasonic Sensor APA | 10-19 |
| J-011 | Rear Right Ultrasonic Sensor APA | 10-19 |
| J-012 | Rear Right Side Ultrasonic Sensor APA | 10-19 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-002 | Left Surround View Camera B-086 | 10-96 |
| F-006 | Left Surround View Camera | 10-96 |
| F-007 | Left Rear View Mirror | 10-96 |

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-002 | Right Surround View Camera B-103 | 10-98 |
| H-006 | Right Surround View Camera | 10-98 |
| H-007 | Right Rear View Mirror | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-008 | Rear Left Door DOW Warning Light | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-008 | Rear Right Door DOW Warning Light | 10-104 |
| T-002 | Back Door HD Camera to Interior End/Back Door Reversing View to Interior End B-164 | 10-110 |
| T-013 | Rear Back Door HD Camera | 10-110 |

Multi-function Steering Wheel (MFS)



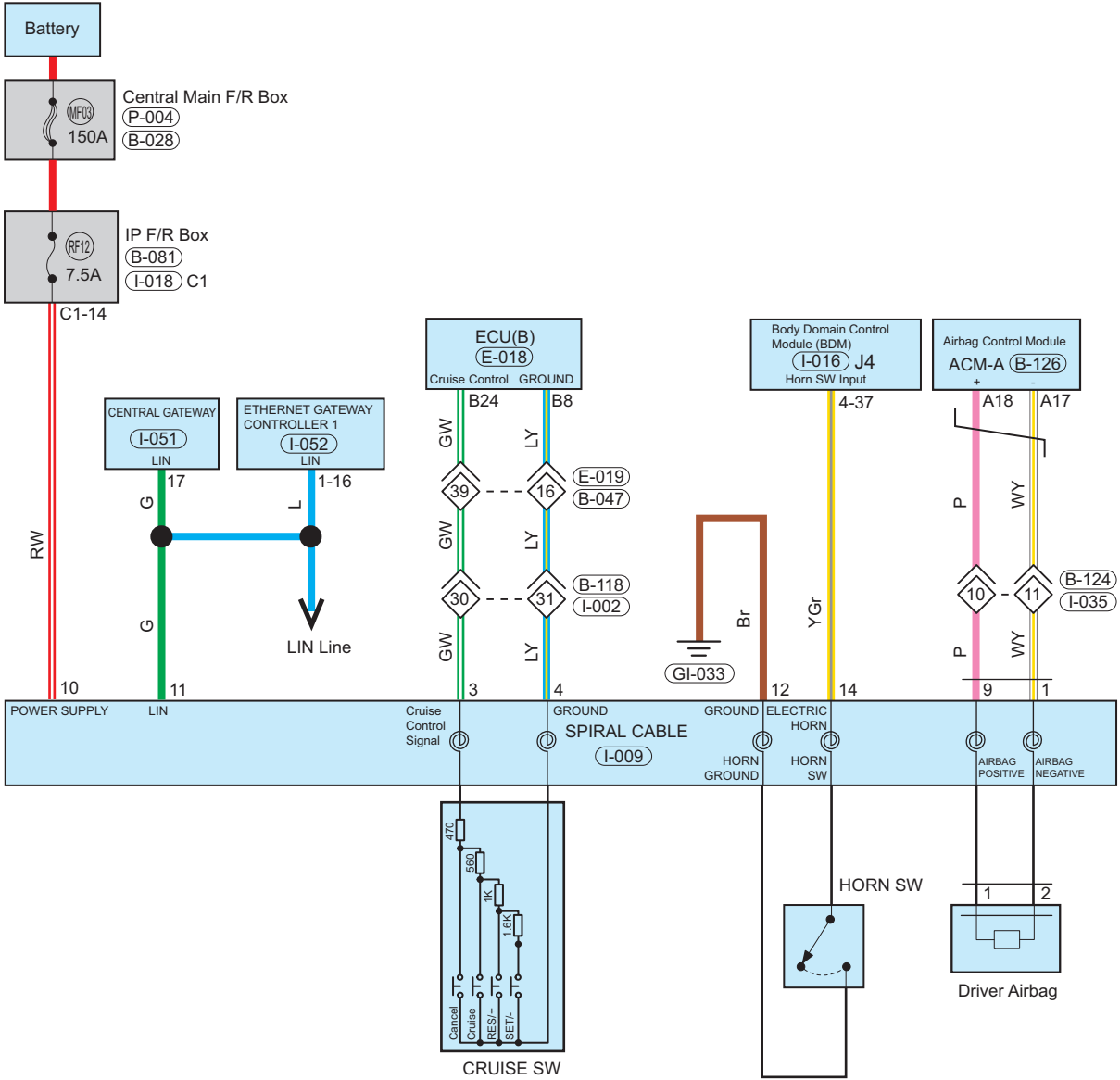
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MFS001001

Multi-function Steering Wheel (MFS)

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| I-009 | Spiral Cable | 10-89 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| GI-033 | G502 | 10-90 |
| I-051 | Central Gateway | 10-91 |
| I-052 | Ethernet Gateway Controller 1 | 10-91 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |
| M-001 | Multi-function Steering Wheel Button | - |
| M-002 | Left Steering Wheel Multi-function Switch | - |
| M-003 | Right Steering Wheel Multi-function Switch | - |
| M-004 | Left Shift Paddle | - |
| M-005 | Right Shift Paddle | - |

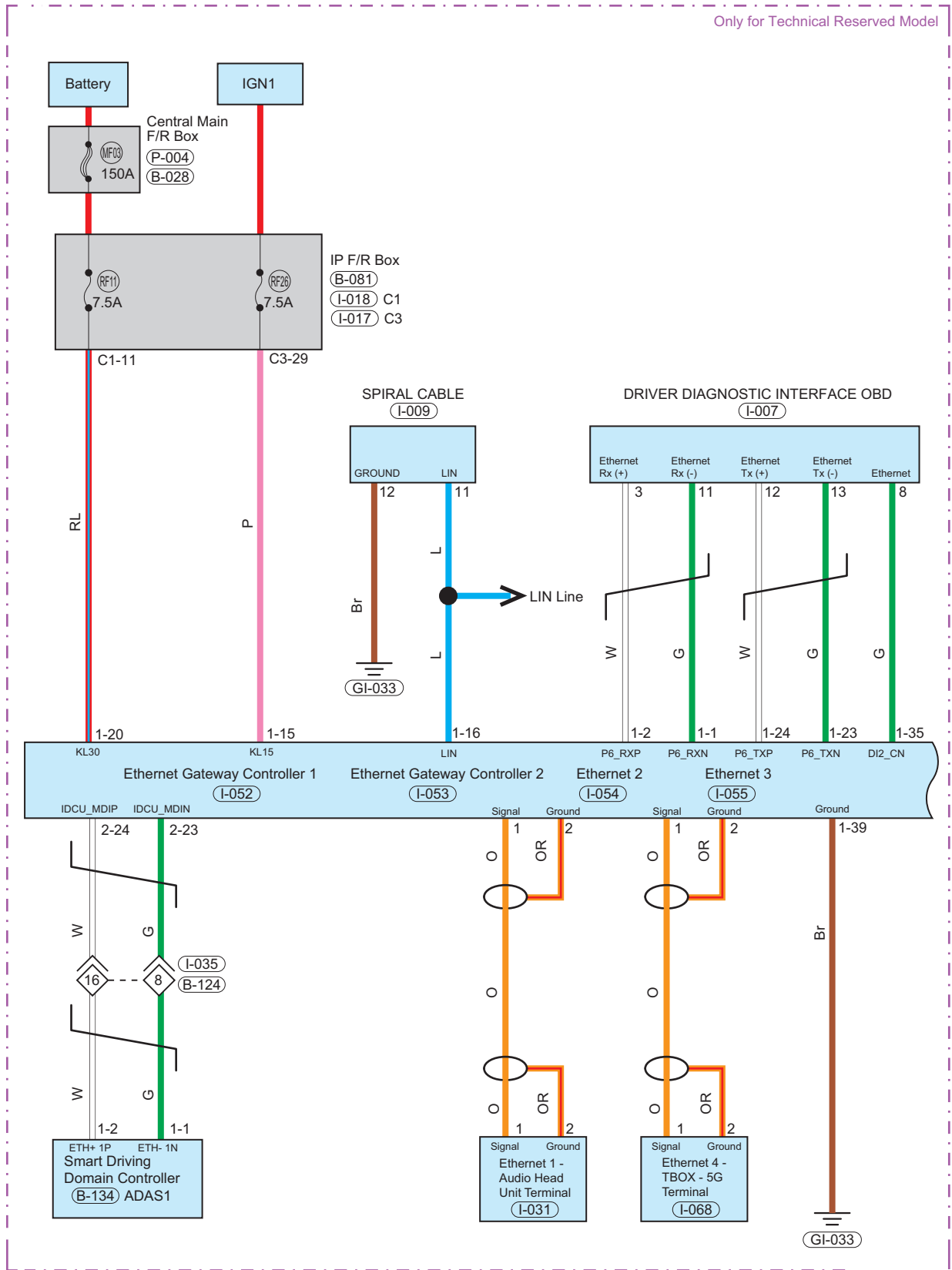
Spiral Cable



Steering Angle Sensor (SCM)

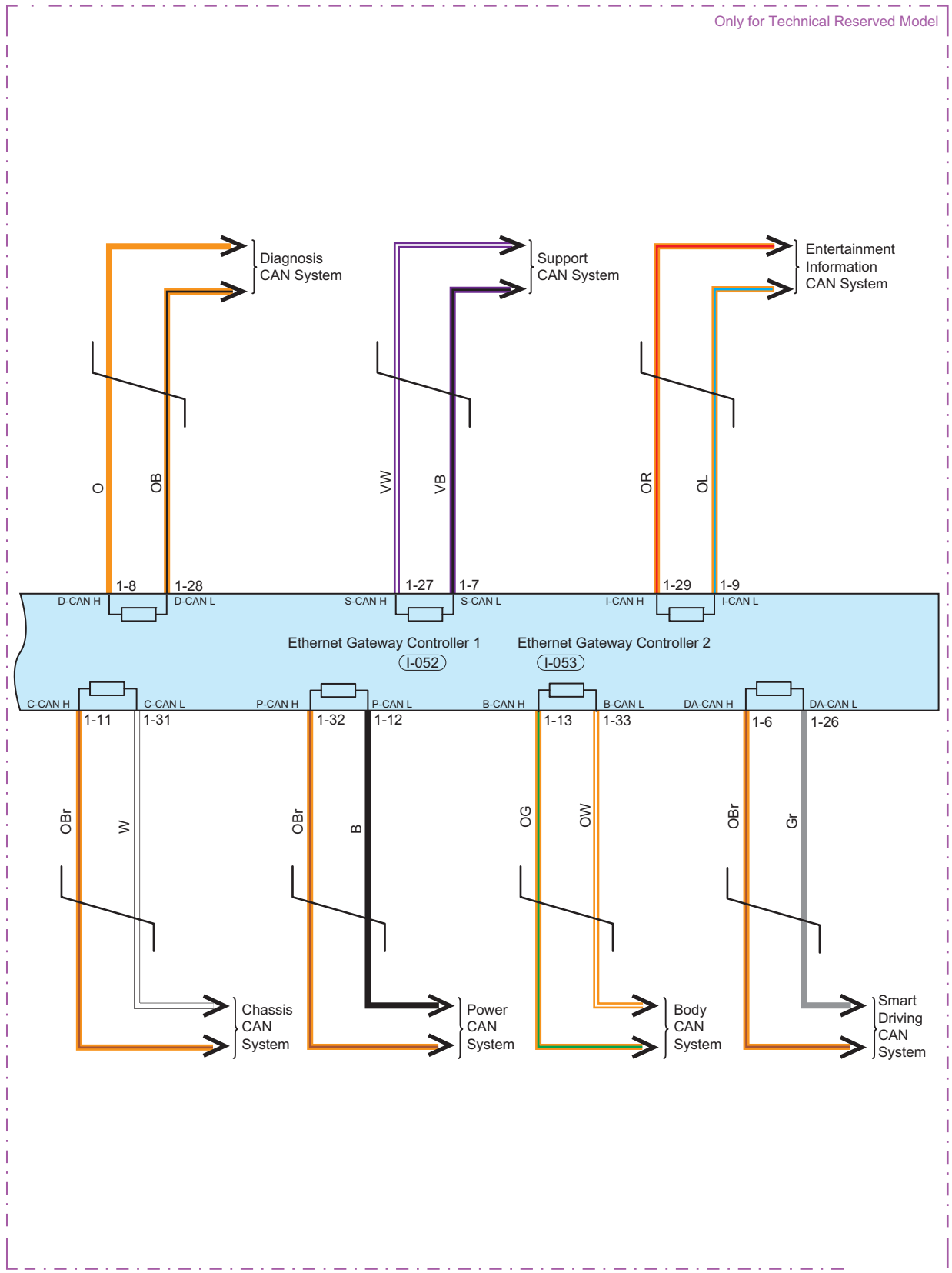
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| E-018 | ECU (B) | 10-5 |
| E-019 | Engine Wire Harness to Interior Floor Wire Harness Interface B-047 | 10-6 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-009 | Spiral Cable | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| GI-033 | G502 | 10-90 |
| I-035 | Instrument Panel to Interior Center B-124 | 10-90 |
| I-051 | Central Gateway | 10-91 |
| I-052 | Ethernet Gateway Controller 1 | 10-91 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-047 | Engine Wire Harness Interface E-019 | 10-64 |
| B-081 | IEC-R | 10-65 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-124 | Instrument Panel Wire Harness Interface - M I-035 | 10-68 |
| B-126 | Airbag Control Module - A | 10-69 |

Ethernet Gateway Controller (EGW)



EGE001001

Ethernet Gateway Controller (EGW)

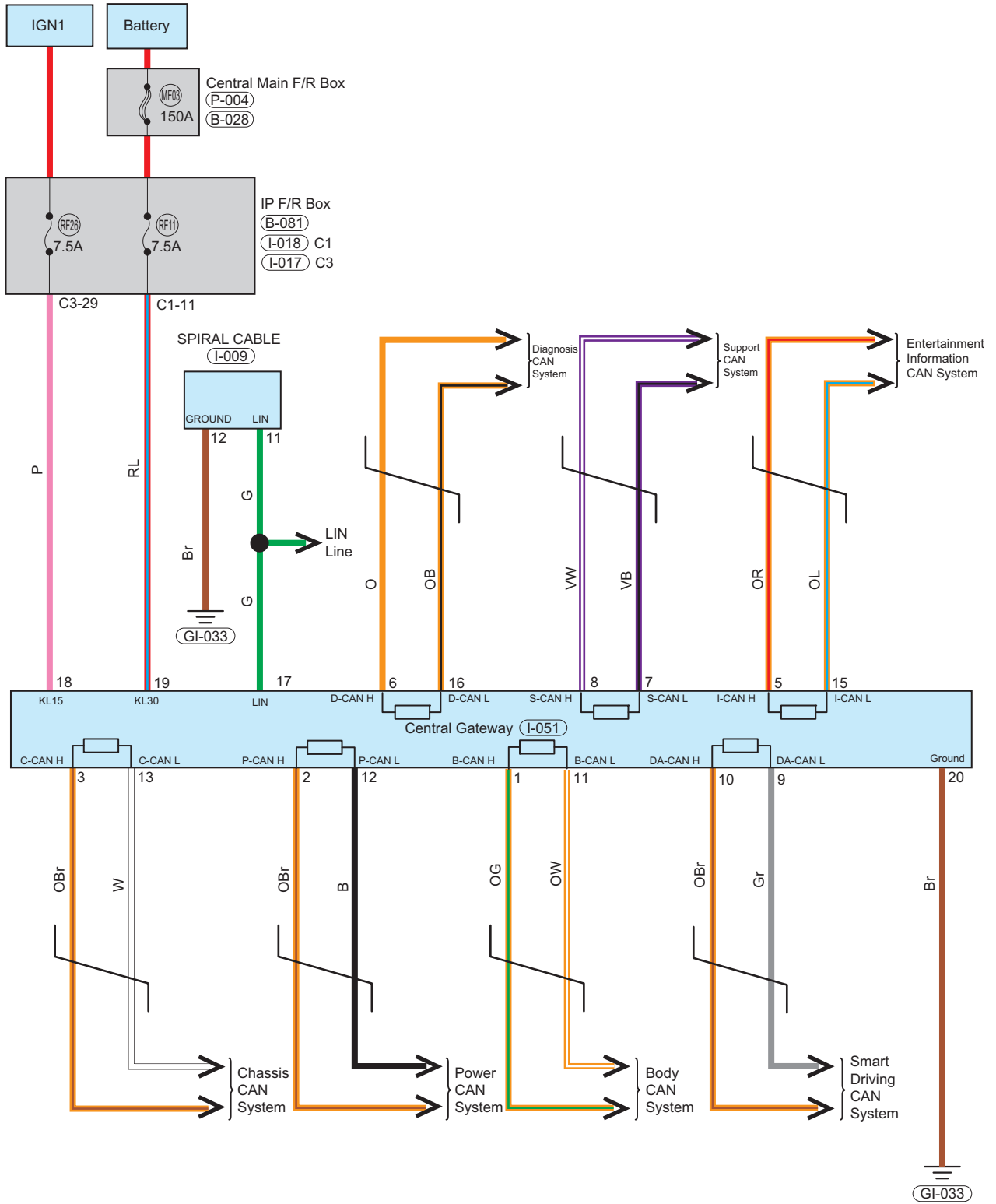


EGE002001

Ethernet Gateway Controller (EGW)

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| I-007 | Driver Diagnostic Interface OBD | 10-89 |
| I-009 | Spiral Cable | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| I-031 | Ethernet 1 | 10-90 |
| GI-033 | G502 | 10-90 |
| I-035 | Instrument Panel to Interior Center B-124 | 10-90 |
| I-052 | Ethernet Gateway Controller 1 | 10-91 |
| I-053 | Ethernet Gateway Controller 2 | 10-91 |
| I-054 | Ethernet 2 | 10-91 |
| I-055 | Ethernet 3 | 10-91 |
| I-068 | Ethernet 4 | 10-92 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |
| B-124 | Instrument Panel Wire Harness Interface - M I-035 | 10-68 |
| B-134 | Smart Driving Domain Controller 1 | 10-69 |

Central Gateway (CGW)



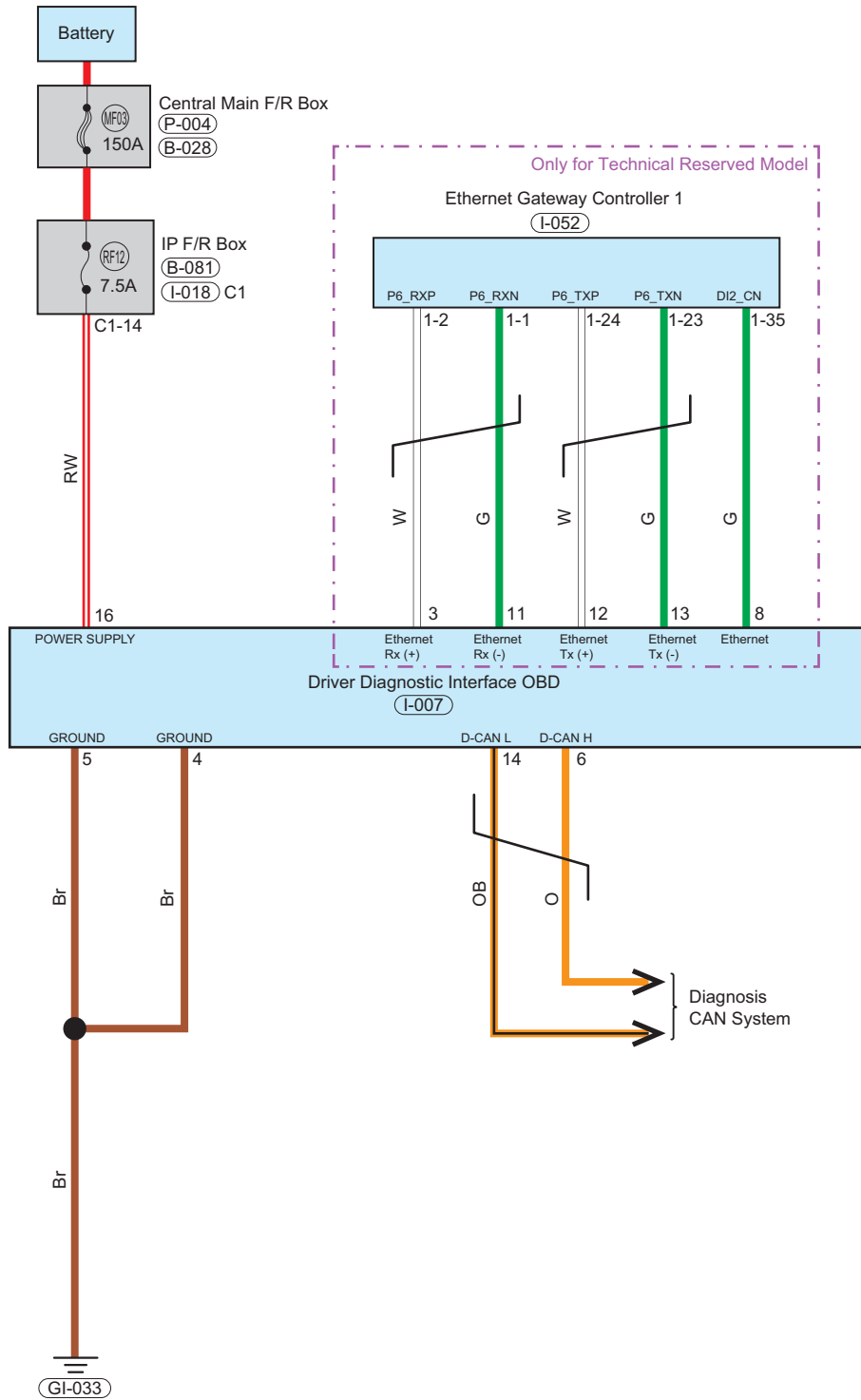
11

CGE001001

Central Gateway (CGW)

| Wire Harness Connector | Name | Page Number |
|------------------------|-----------------------------------|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| I-009 | Spiral Cable | 10-89 |
| I-017 | Instrument Panel F/R Box C3 | 10-90 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| GI-033 | G502 | 10-90 |
| I-051 | Central Gateway | 10-91 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |

Diagnostic Interface (OBD)



11

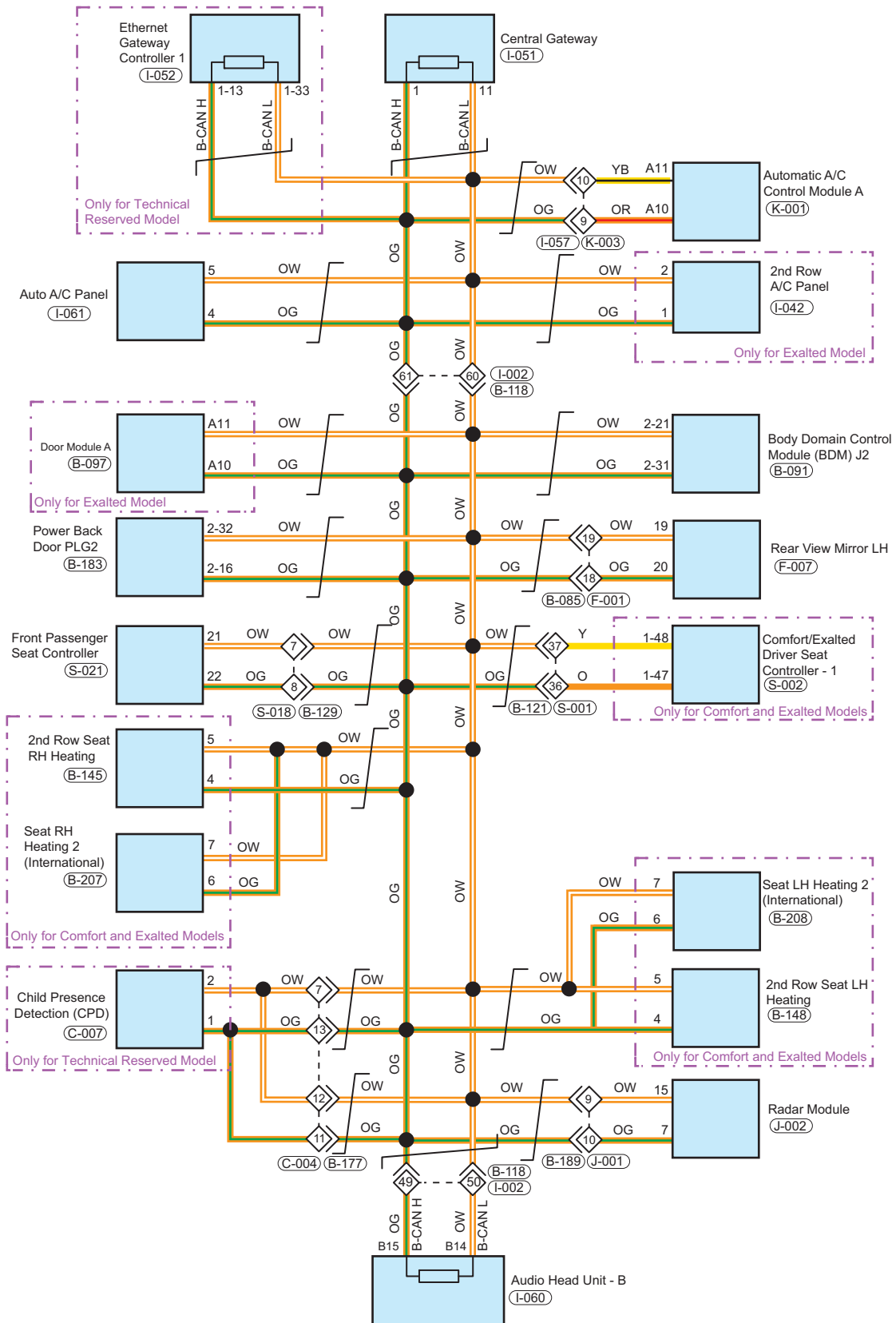
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Diagnostic Interface (OBD)

| Wire Harness Connector | Name | Page Number |
|------------------------|-----------------------------------|-------------|
| P-004 | Positive Battery Terminal | 10-10 |
| I-007 | Driver Diagnostic Interface OBD | 10-89 |
| I-018 | Instrument Panel F/R Box C1 | 10-90 |
| GI-033 | G502 | 10-90 |
| I-052 | Ethernet Gateway Controller 1 | 10-91 |
| B-028 | Instrument Panel F/R Box Terminal | 10-63 |
| B-081 | IEC-R | 10-65 |

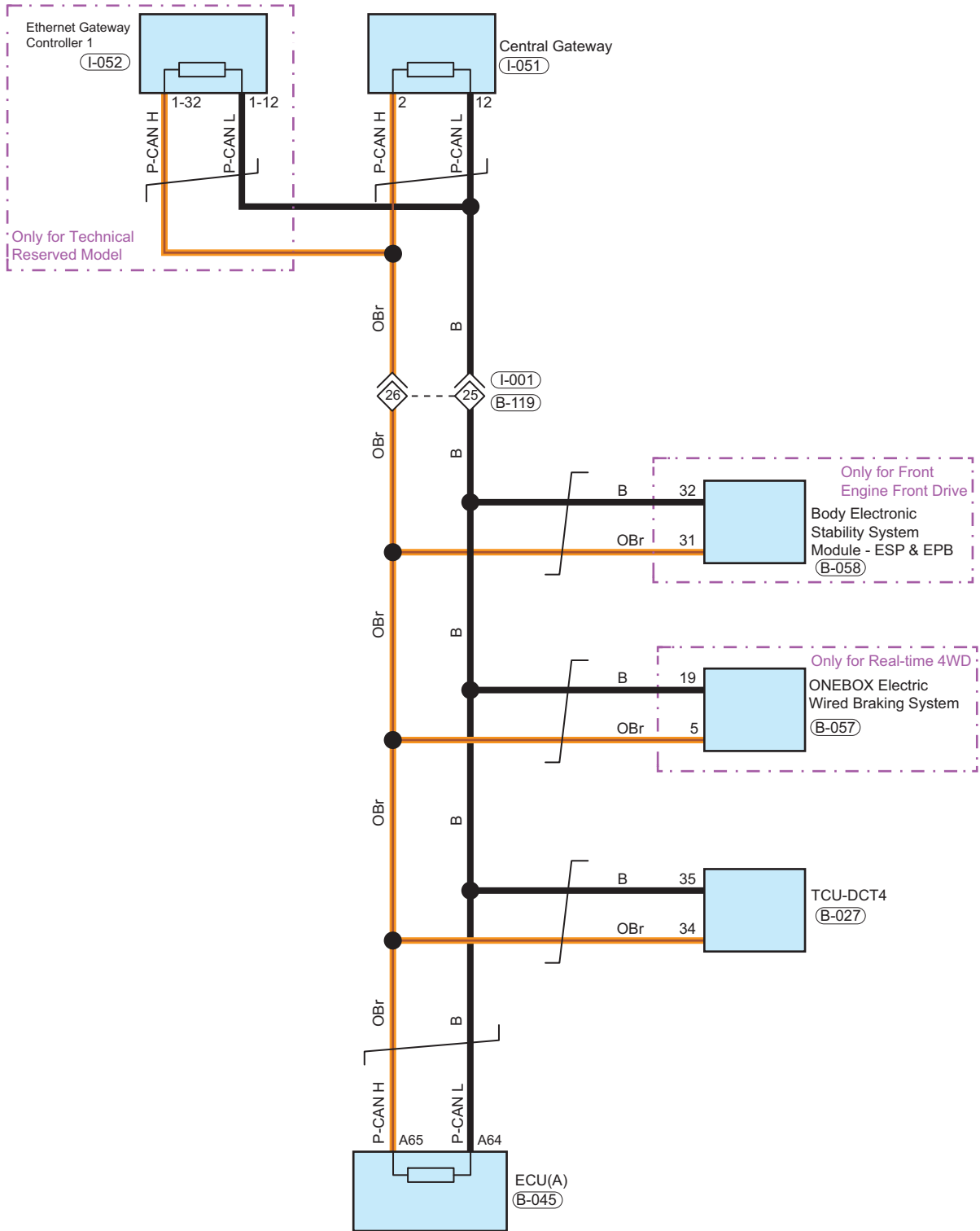
CAN System

CAN System (Body CAN)



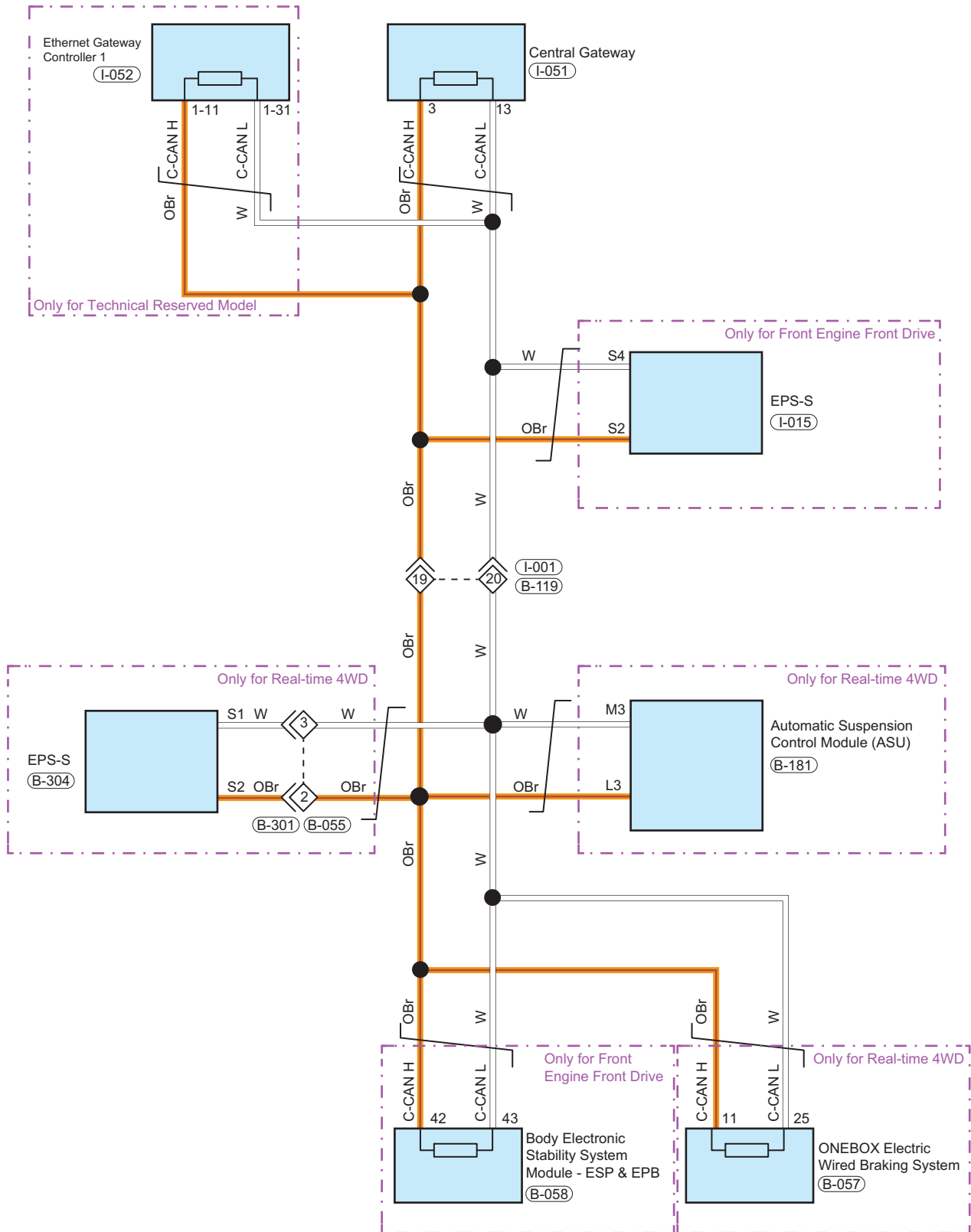
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CAN System (Power CAN)



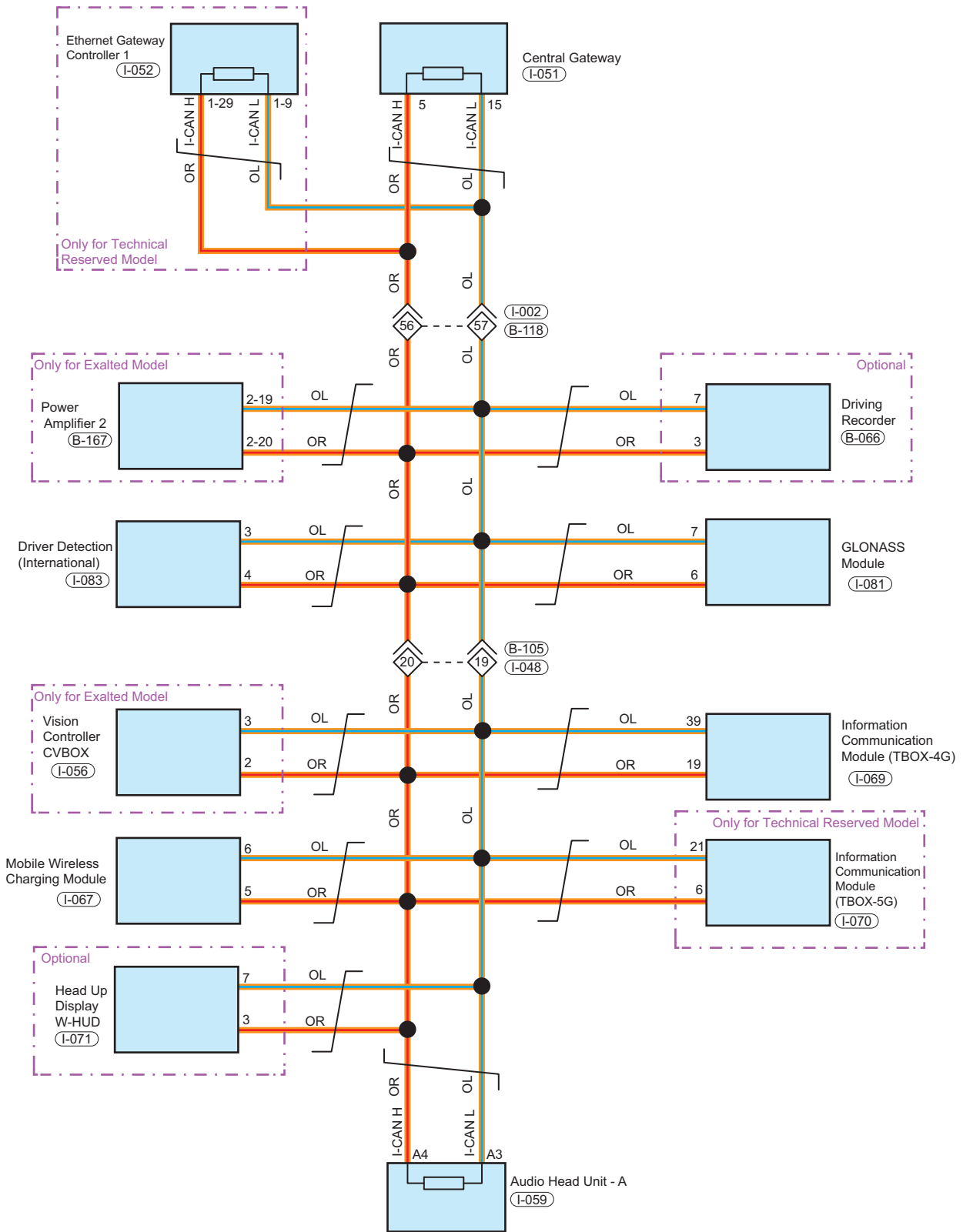
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CAN System (Chassis CAN)



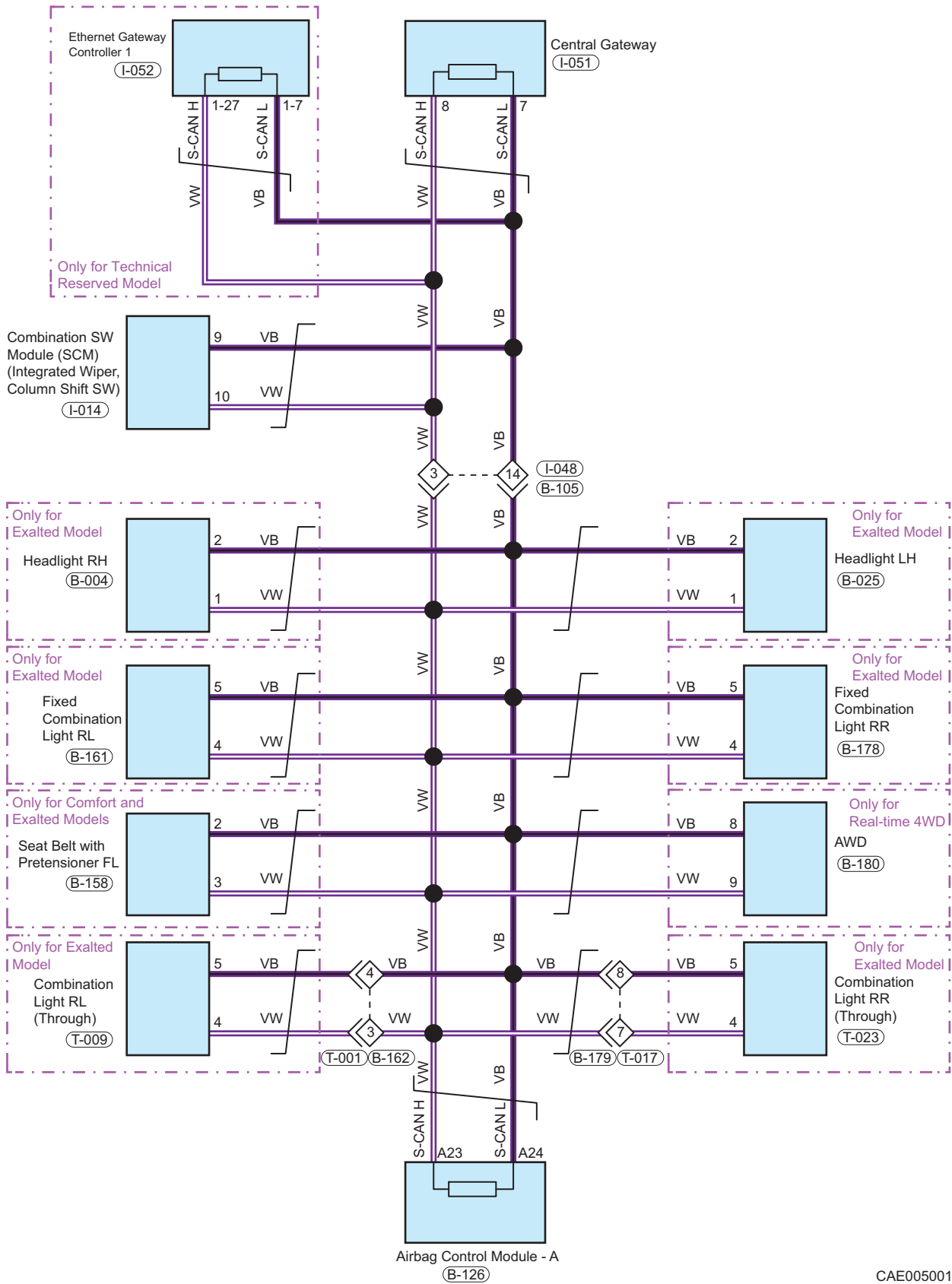
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CAN System (Entertainment Information CAN)

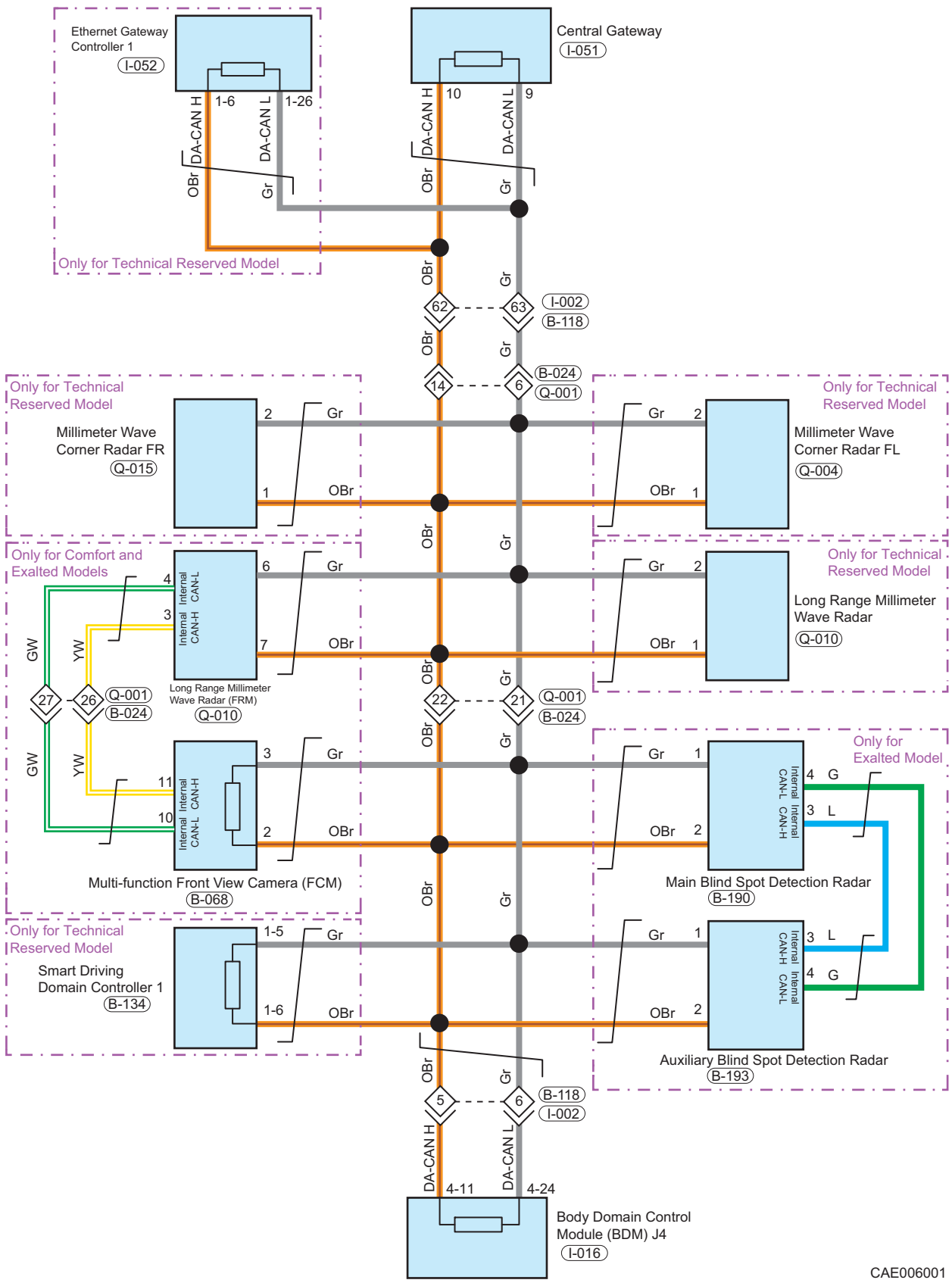


CAE004001

CAN System (Support CAN)

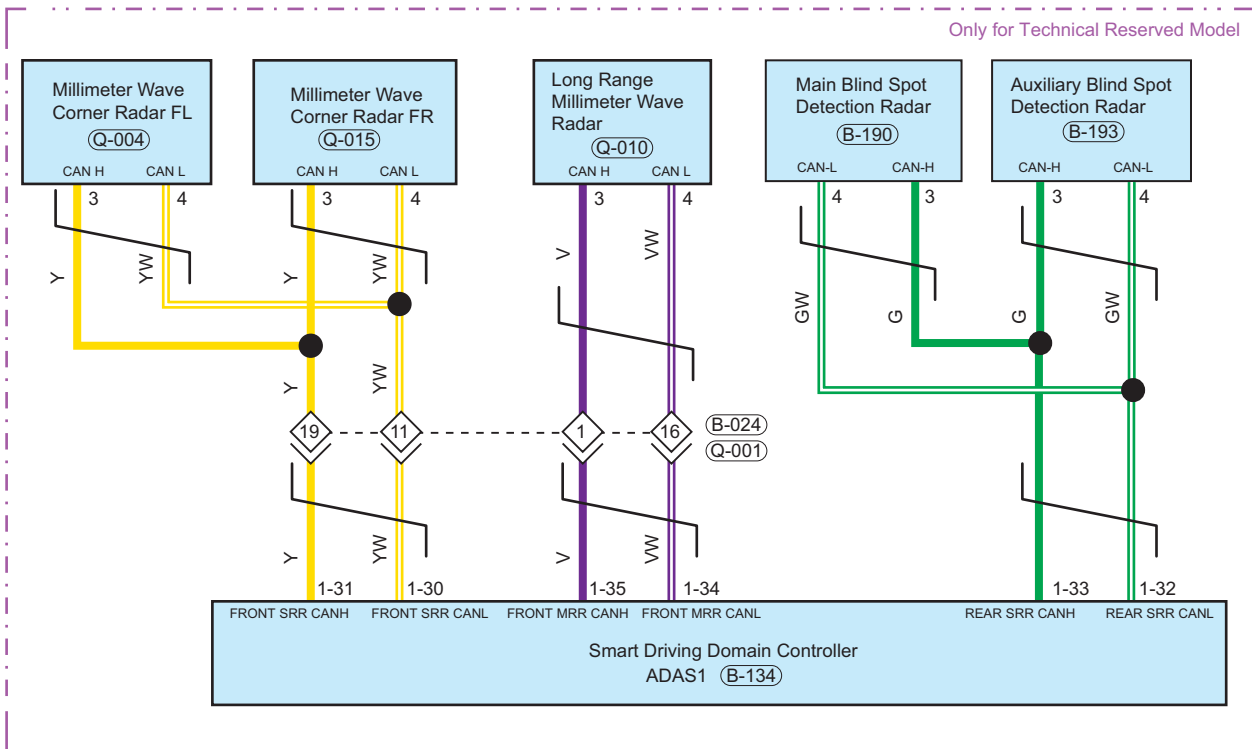
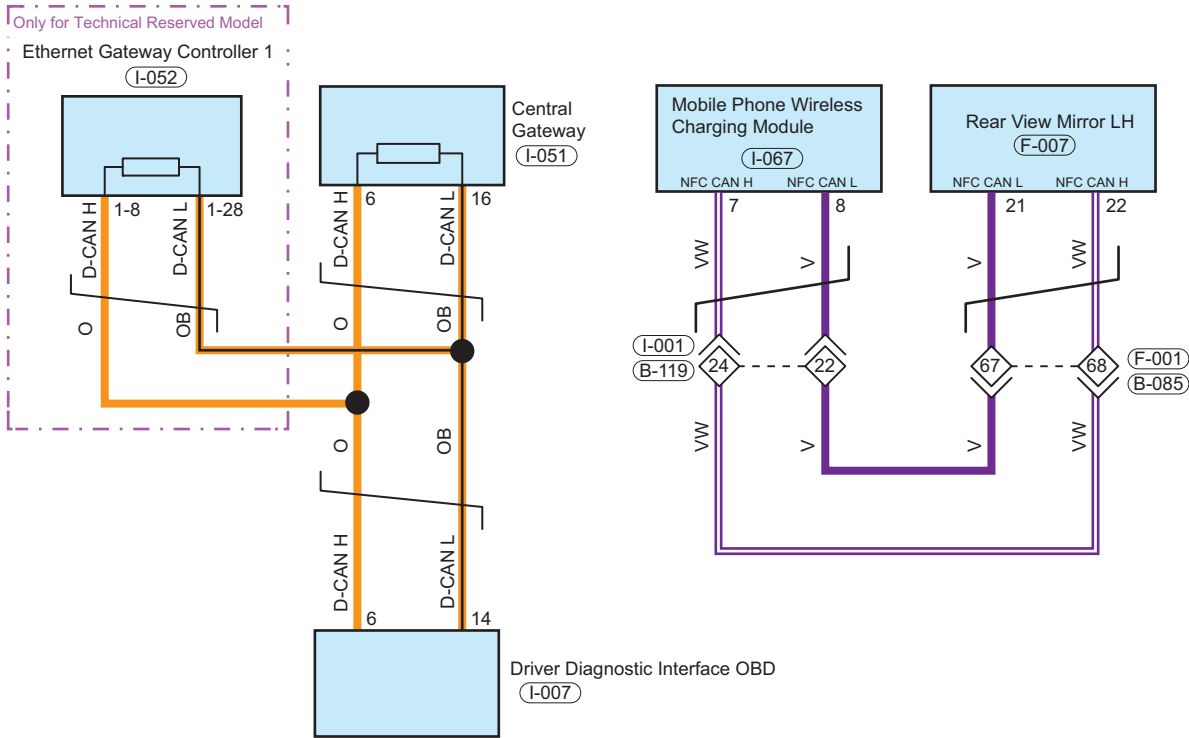


CAN System (Smart Driving CAN)



CAE006001

CAN System (Diagnosis CAN, other CAN)



CAE007001

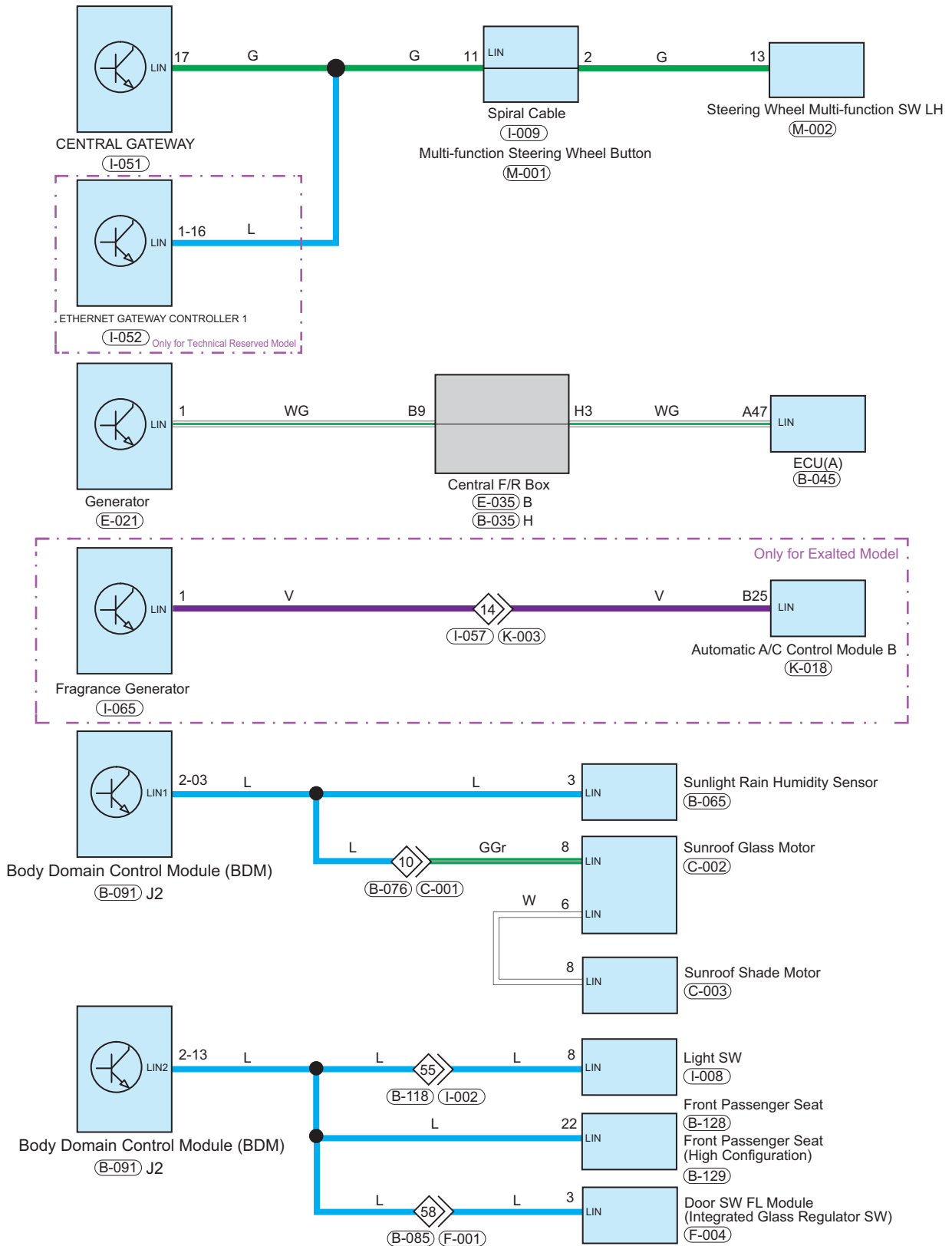
CAN System

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| Q-001 | Front Bumper to Interior B-024 | 10-16 |
| Q-004 | Front Left Millimeter Wave Corner Radar | 10-16 |
| Q-010 | Long Range Millimeter Wave Radar (FRM/CPD) | 10-16 |
| Q-015 | Front Right Millimeter Wave Corner Radar | 10-16 |
| I-001 | Instrument Panel to Interior Left 1 B-119 | 10-89 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-007 | Driver Diagnostic Interface OBD | 10-89 |
| I-014 | Combination Switch Module (SCM) (Integrated Wiper, Column Shift Switch) | 10-90 |
| I-015 | EPS-S | 10-90 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| I-042 | Second Row A/C Panel | 10-91 |
| I-048 | Instrument Panel to Interior Right B-105 | 10-91 |
| I-051 | Central Gateway | 10-91 |
| I-052 | Ethernet Gateway Controller 1 | 10-91 |
| I-056 | Vision Controller CVBOX | 10-91 |
| I-057 | HVAC Assembly to A/C Wire Harness K-003 | 10-92 |
| I-059 | Audio Head Unit - A | 10-92 |
| I-060 | Audio Head Unit - B | 10-92 |
| I-061 | Auto A/C Panel | 10-92 |
| I-067 | Mobile Phone Wireless Charging Module | 10-92 |
| I-069 | Information Communication Module (TBOX-4G) | 10-92 |
| I-070 | Information Communication Module (TBOX-5G) | 10-92 |
| B-004 | Right Headlight | 10-62 |
| B-024 | Front Bumper Wire Harness Interface Q-001 | 10-62 |
| B-025 | Left Headlight | 10-62 |
| B-027 | Transmission Control Module (TCU-A-DCT4) | 10-63 |

| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| B-045 | ECU (A) | 10-63 |
| B-055 | To Electronic Power Steering Wire Harness B-301 | 10-64 |
| B-057 | ONEBOX Electric Wired Braking System | 10-64 |
| B-058 | Body Electronic Stability System Module - ESP&EPB | 10-64 |
| B-066 | Driving Recorder | 10-64 |
| B-068 | Multi-function Front View Camera (FCM) | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-097 | Door Module A | 10-66 |
| B-105 | Instrument Panel Wire Harness Interface - R I-048 | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| B-121 | Driver Seat S-001 | 10-68 |
| B-126 | Airbag Control Module - A | 10-69 |
| B-128 | Front Passenger Seat S-018 | 10-69 |
| B-129 | High Configuration Front Passenger Seat S-018 | 10-69 |
| B-134 | Smart Driving Domain Controller 1 | 10-69 |
| B-145 | 2nd Row Right Seat Heating | 10-70 |
| B-148 | 2nd Row Left Seat Heating | 10-70 |
| B-158 | Front Left Seat Belt with Pretensioner | 10-70 |
| B-161 | Fixed Combination Light RL | 10-70 |
| B-162 | Rear Left Back Door Wire Harness Interface T-001 | 10-70 |
| B-167 | Power Amplifier 2 | 10-71 |
| B-177 | Roof Wire Harness Interface C-004 | 10-71 |
| B-178 | Fixed Combination Light RR | 10-71 |
| B-179 | Rear Right Back Door Wire Harness Interface T-017 | 10-71 |
| B-180 | AWD | 10-71 |

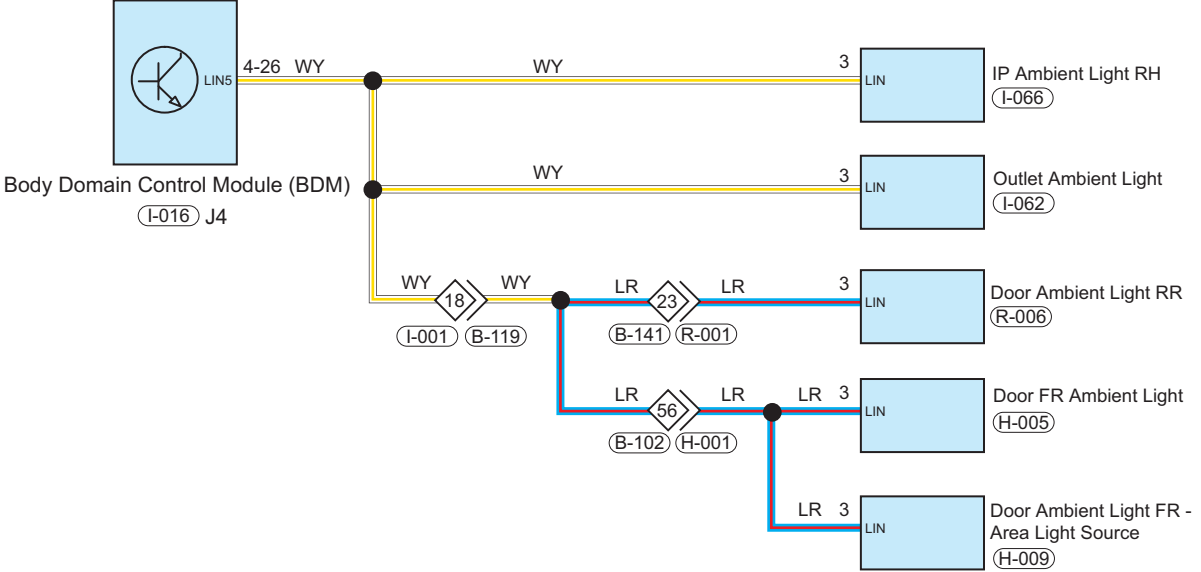
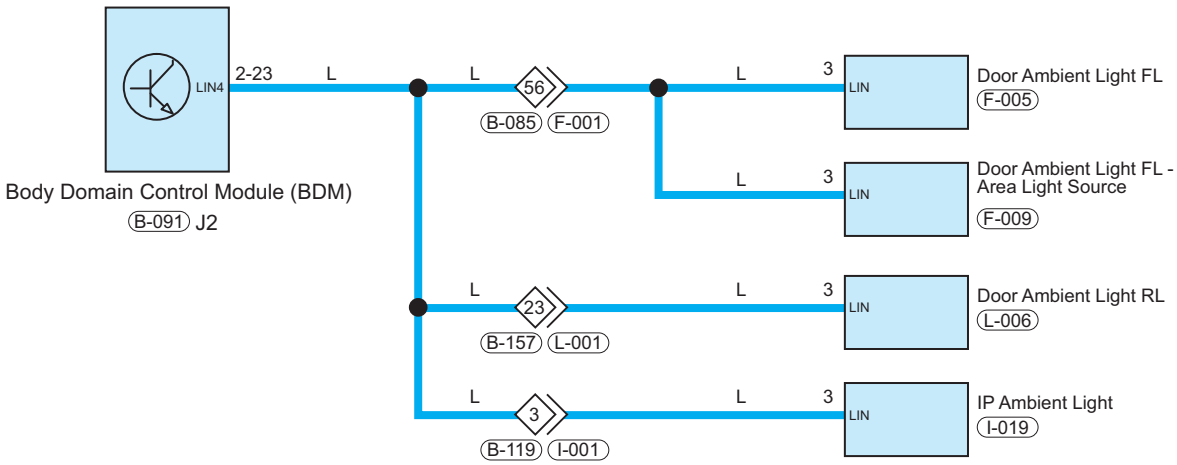
| Wire Harness Connector | Name | Page Number |
|------------------------|--|-------------|
| B-181 | Automatic Suspension Control Module (ASU) | 10-71 |
| B-183 | Power Back Door PLG2 | 10-71 |
| B-189 | Rear Bumper Wire Harness Interface J-001 | 10-72 |
| B-190 | Main Blind Spot Detection Radar | 10-72 |
| B-193 | Auxiliary Blind Spot Detection Radar | 10-72 |
| B-301 | To Interior B-055 | 10-75 |
| B-304 | EPS-S | 10-75 |
| J-001 | Rear Bumper to Interior B-189 | 10-19 |
| J-002 | Radar Module | 10-19 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-007 | Left Rear View Mirror | 10-96 |
| T-001 | Rear Left Back Door to Interior B-162 | 10-110 |
| T-009 | Rear Left Combination Light (Through) | 10-110 |
| T-017 | Rear Right Back Door to Interior B-179 | 10-110 |
| T-023 | Rear Right Combination Light (Through) | 10-111 |
| K-001 | Automatic A/C Control Module A | 10-116 |
| K-003 | HVAC to Vehicle I-057 | 10-116 |
| C-004 | Roof to Interior B-177 | 10-118 |
| C-007 | Child Presence Detection (CPD) | 10-118 |
| S-001 | Connector B-121 Between Driver Seat and Body Wire Harness | 10-123 |
| S-002 | Comfort/Exalted Driver Seat Controller - 1 | 10-123 |
| S-018 | Connector B-129 Between Front Passenger Seat and Body Wire Harness | 10-126 |
| S-021 | Front Passenger Seat Controller | 10-126 |
| I-081 | GLONASS Module | 10-93 |
| I-083 | Driver Detection (International) | 10-93 |
| B-207 | Right Seat Heating 2 (International) | 10-73 |
| B-208 | Left Seat heating 2 (International) | 10-73 |
| I-071 | Head Up Display W-HUD | 10-92 |

LIN Line



LIN001001

LIN Line



LIN002001

LIN Line

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| E-021 | Intelligent Generator (M31T) | 10-5 |
| E-035 | Central F/R Box B | 10-6 |
| I-001 | Instrument Panel to Interior Left 1 B-119 | 10-89 |
| I-002 | Instrument Panel to Interior Left 2 B-118 | 10-89 |
| I-008 | Light Switch | 10-89 |
| I-009 | Spiral Cable | 10-89 |
| I-016 | Body Domain Control Module (BDM) J4 | 10-90 |
| I-019 | Instrument Panel Ambient Light | 10-90 |
| I-051 | Central Gateway | 10-91 |
| I-052 | Ethernet Gateway Controller 1 | 10-91 |
| I-057 | HVAC Assembly to A/C Wire Harness K-003 | 10-92 |
| I-062 | Outlet Ambient Light | 10-92 |
| I-065 | Fragrance Generator | 10-92 |
| I-066 | Instrument Panel Right Ambient Light | 10-92 |
| B-035 | Central F/R Box H | 10-63 |
| B-045 | ECU (A) | 10-63 |
| B-046 | Battery Sensor | 10-63 |
| B-065 | Sunlight Rain Humidity Sensor | 10-64 |
| B-074 | Front Dome Light | 10-65 |
| B-076 | To Panoramic Sliding Roof C-001 | 10-65 |
| B-085 | Front Left Door Wire Harness Interface F-001 | 10-66 |
| B-091 | Body Domain Control Module (BDM) J2 | 10-65 |
| B-102 | Front Right Door Wire Harness Interface H-001 | 10-67 |
| B-118 | Instrument Panel Wire Harness Interface - L2 I-002 | 10-68 |
| B-119 | Instrument Panel Wire Harness Interface - L1 I-001 | 10-68 |
| B-128 | Front Passenger Seat S-018 | 10-69 |
| B-129 | High Configuration Front Passenger Seat S-018 | 10-69 |
| B-141 | Rear Right Door Wire Harness Interface R-001 | 10-69 |

| Wire Harness Connector | Name | Page Number |
|------------------------|---|-------------|
| B-157 | Rear Left Door Wire Harness Interface L-001 | 10-70 |
| F-001 | Front Left Door to Body B-085 | 10-96 |
| F-004 | Front Left Door Switch Module (Integrated Glass Regulator Switch) | 10-96 |
| F-005 | Front Left Door Ambient Light | 10-96 |
| F-009 | Front Left Door Ambient Light - Area Light Source | 10-96 |
| H-001 | Front Right Door to Body B-102 | 10-98 |
| H-005 | Front Right Door Ambient Light | 10-98 |
| H-009 | Front Right Door Ambient Light - Area Light Source | 10-98 |
| L-001 | Rear Left Door to Body B-157 | 10-101 |
| L-006 | Rear Left Door Ambient Light | 10-101 |
| R-001 | Rear Right Door to Body B-141 | 10-104 |
| R-006 | Rear Right Door Ambient Light | 10-104 |
| K-003 | HVAC to Vehicle I-057 | 10-116 |
| K-018 | Automatic A/C Control Module B | 10-116 |
| C-001 | Sliding Roof to Interior B-076 | - |
| C-002 | Sunroof Glass Motor | - |
| C-003 | Sunroof Shade Motor | - |
| M-001 | Multi-function Steering Wheel Button | - |
| M-002 | Left Steering Wheel Multi-function Switch | - |

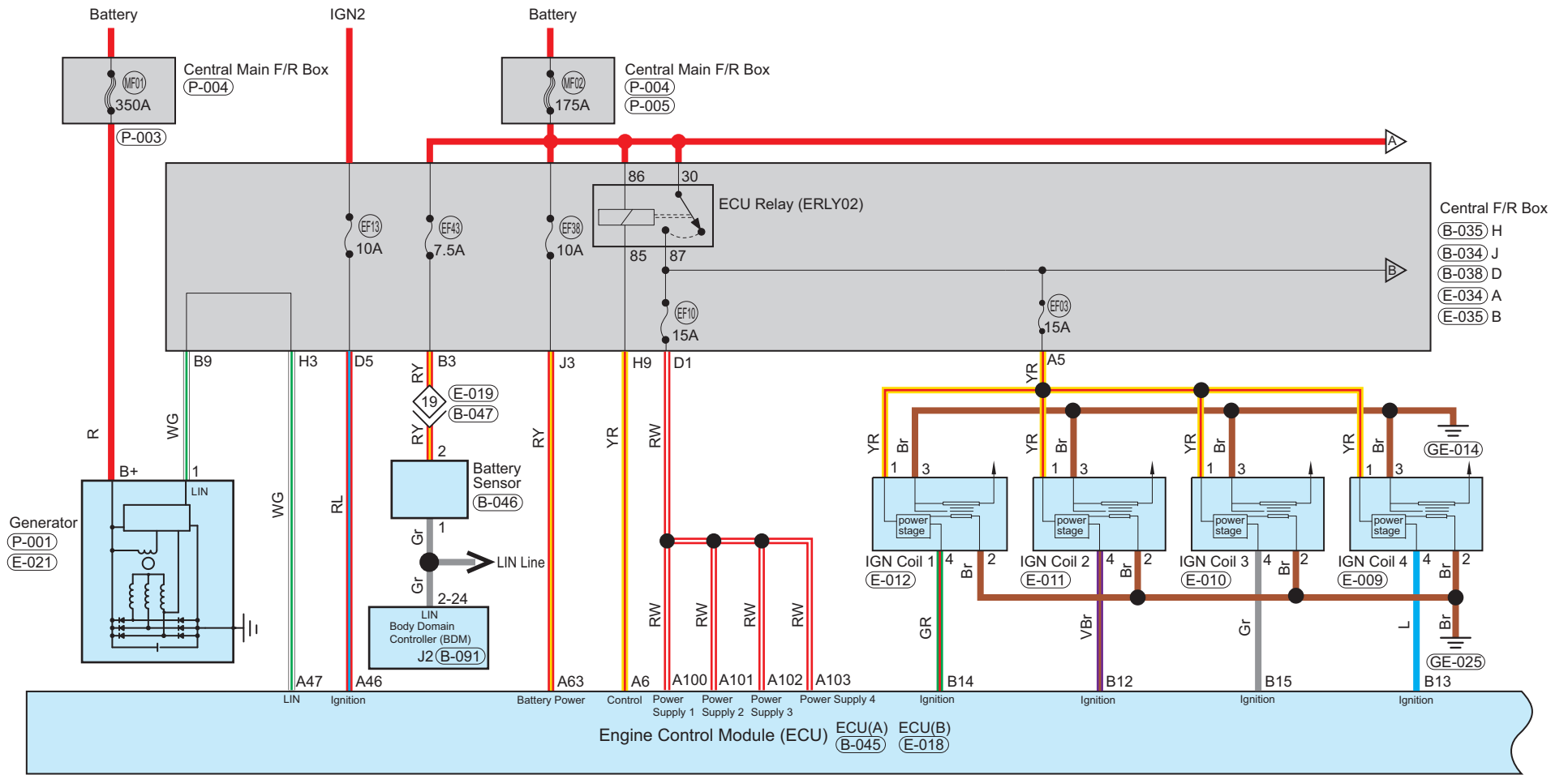
Overall Circuit Diagram

General Information

This section integrates the scattered system circuit diagrams according to the modules. This information is very important for finding and understanding the whole module circuit. When troubleshooting any problems, first understand operation of faulty circuit (refer to "system circuit" in related Repair Manual or circuit diagram).

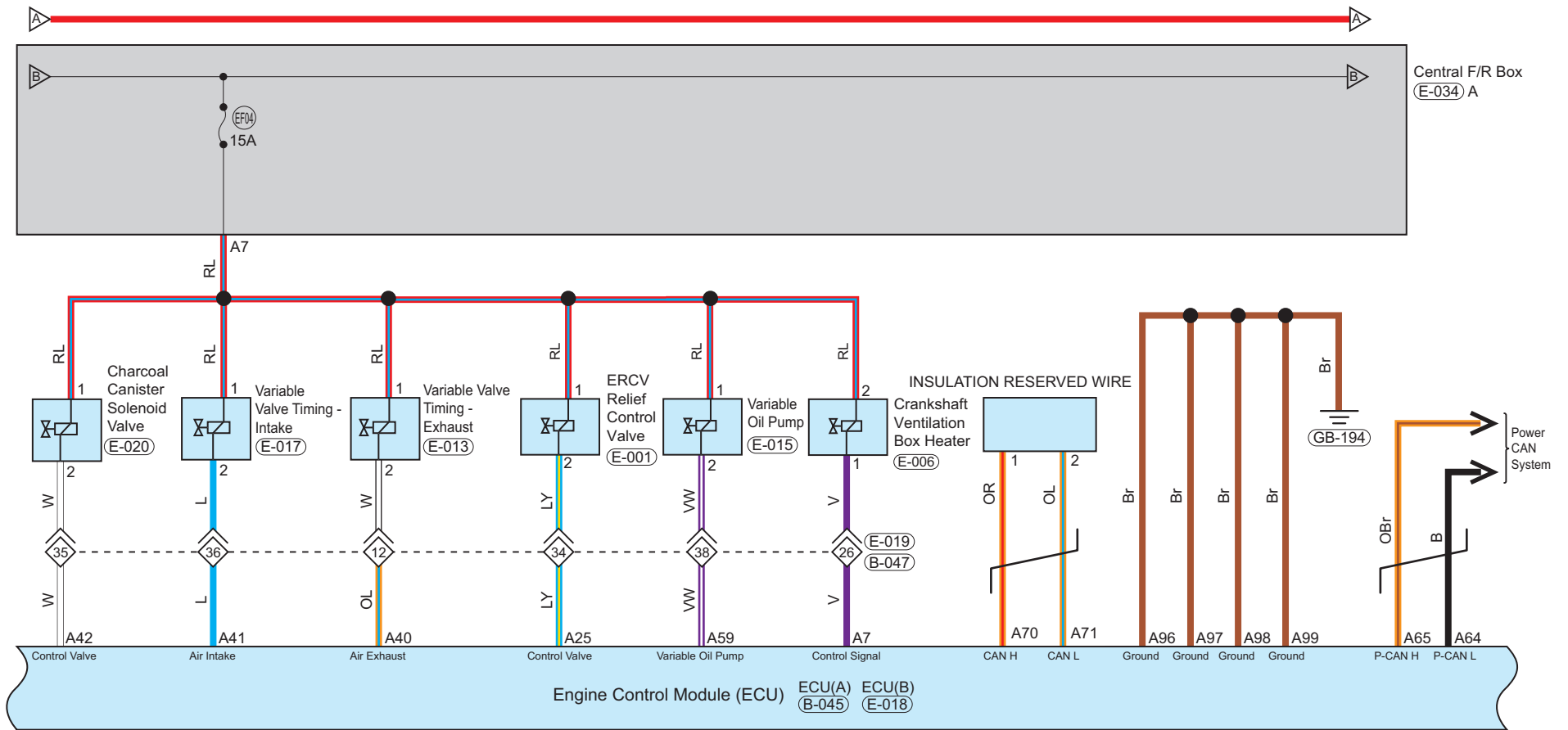
After understanding the circuit operation, troubleshoot the malfunction circuit to find out the cause, Then use "Wiring Harness Location Diagram" to find each wire harness, wire harness connector, and grounding points in related circuit. For specifications or detailed removal and installation procedures,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

Engine Control System (EMS)



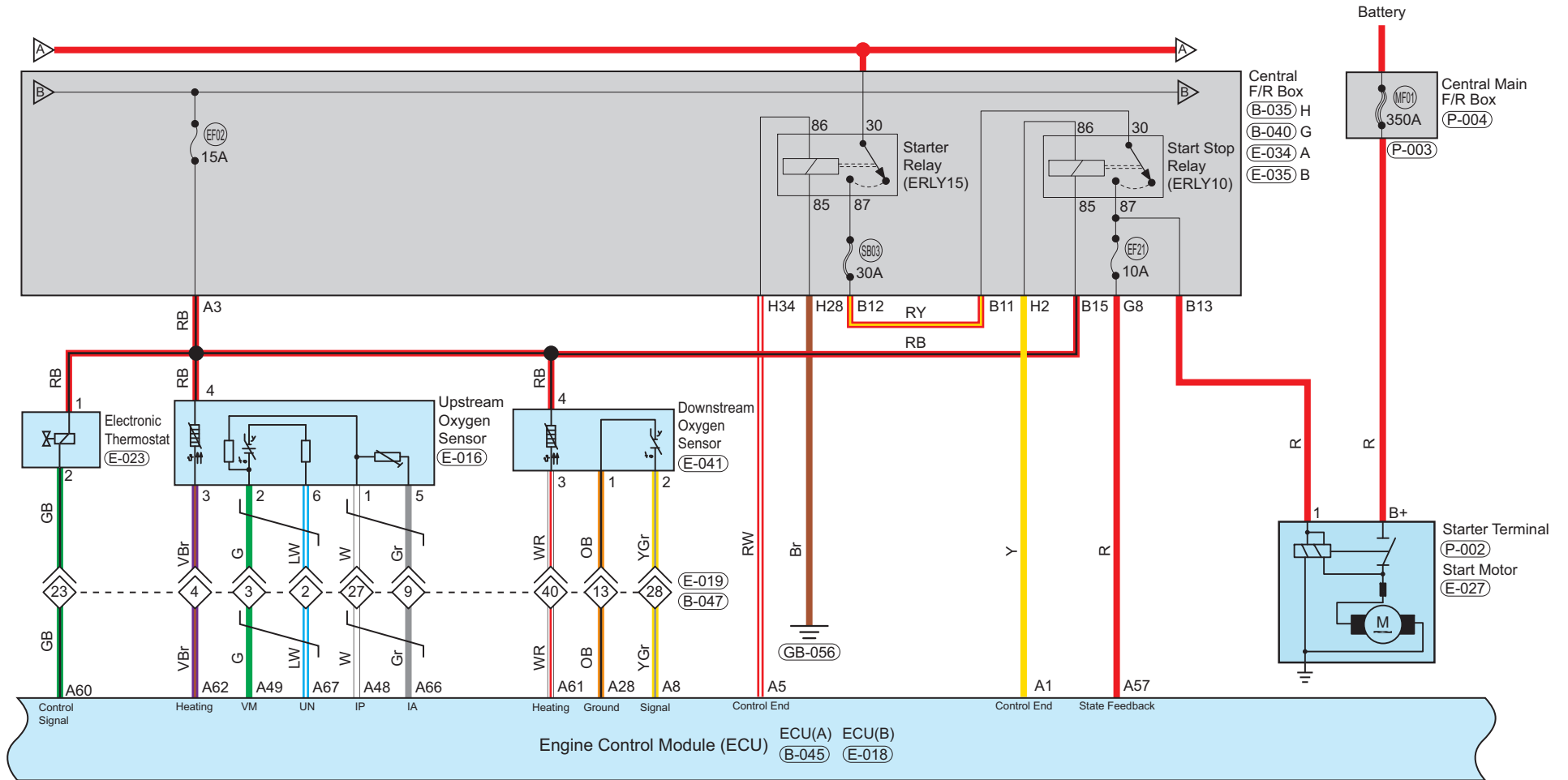
EWD010001

Engine Control System (EMS)



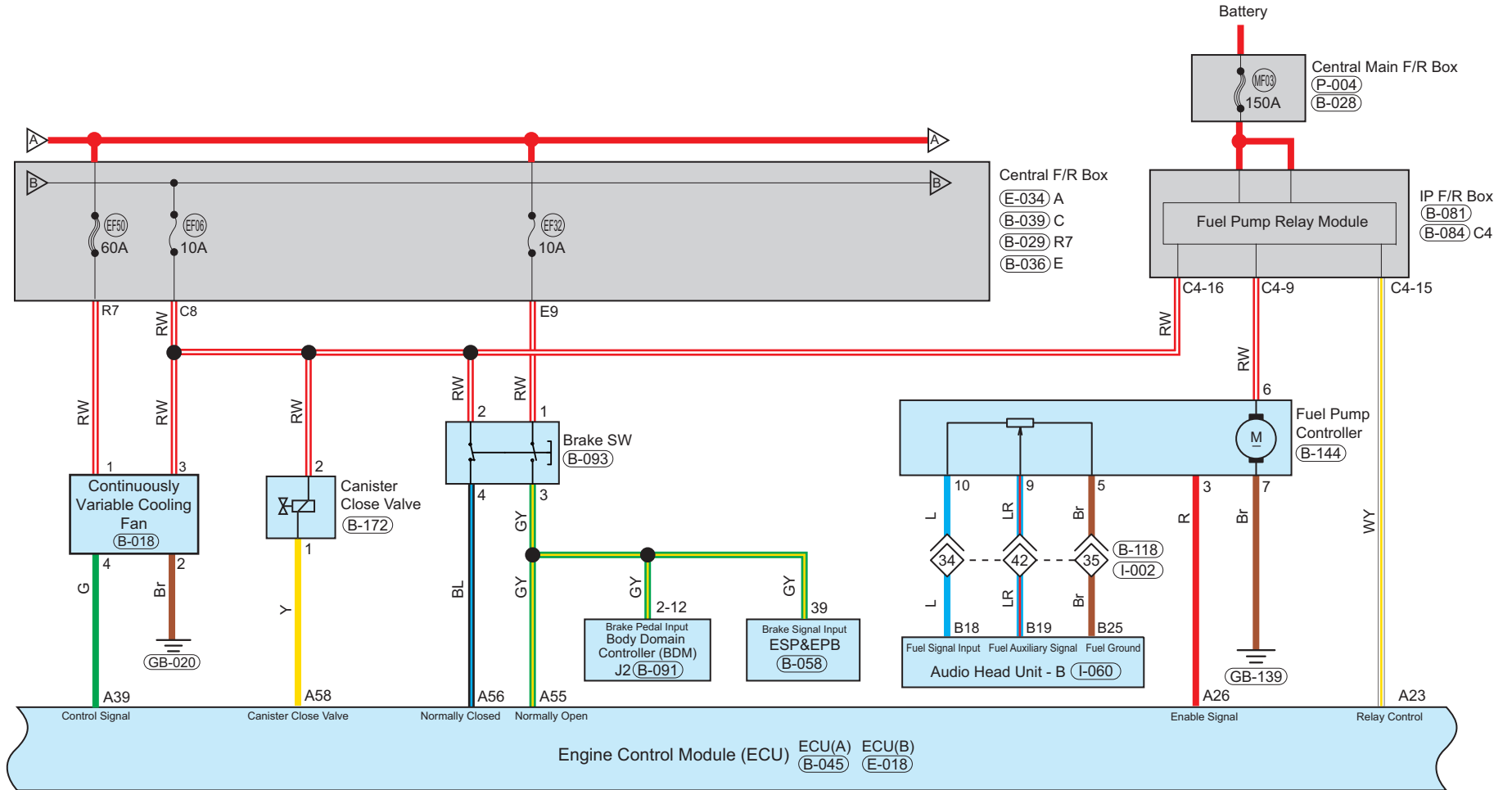
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Engine Control System (EMS)



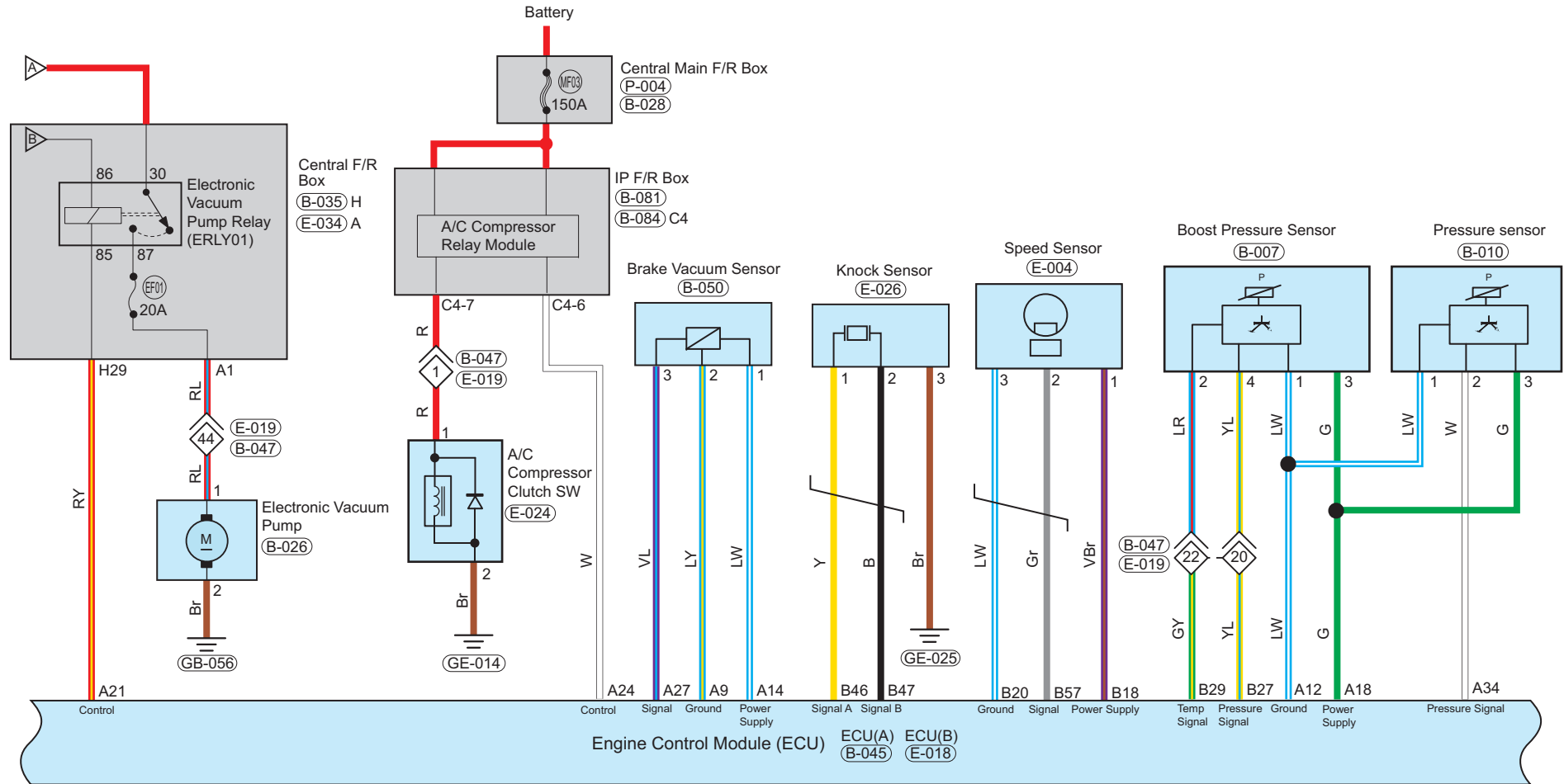
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Engine Control System (EMS)



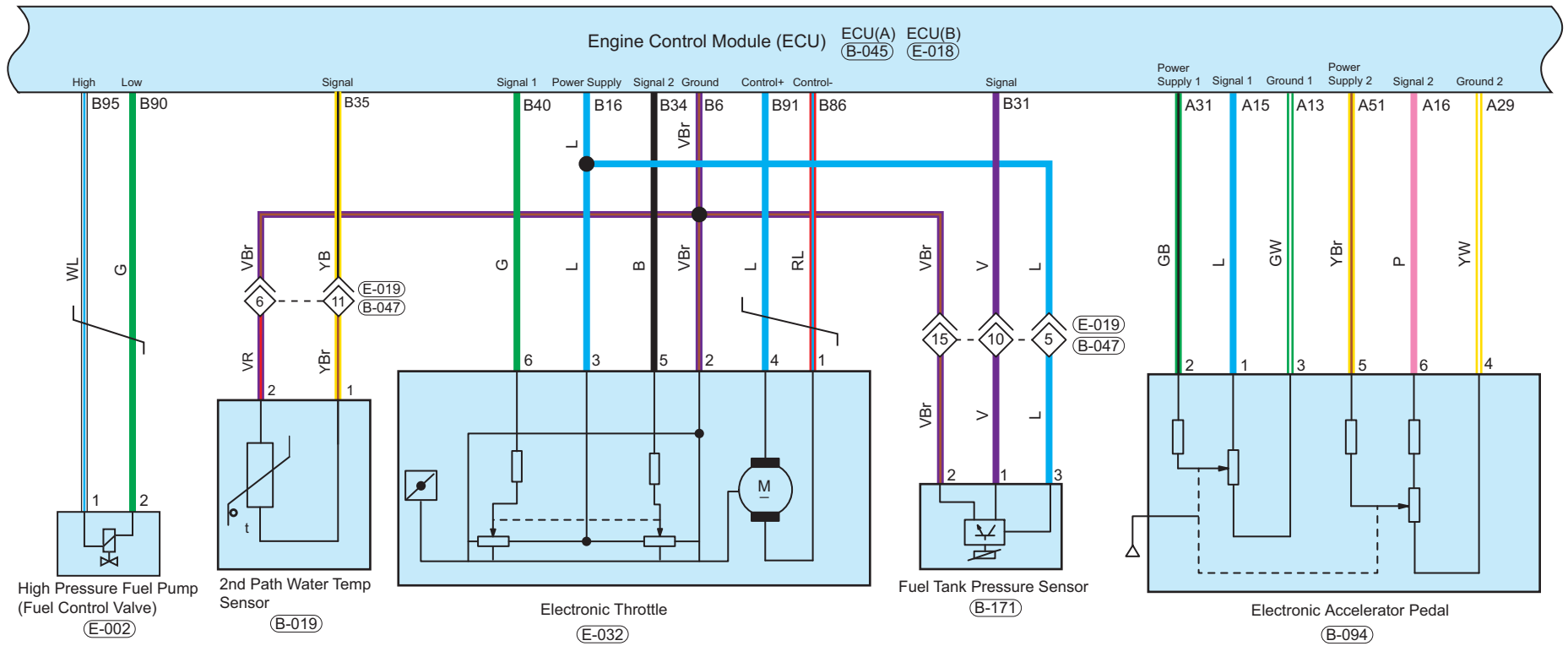
EWD013001

Engine Control System (EMS)



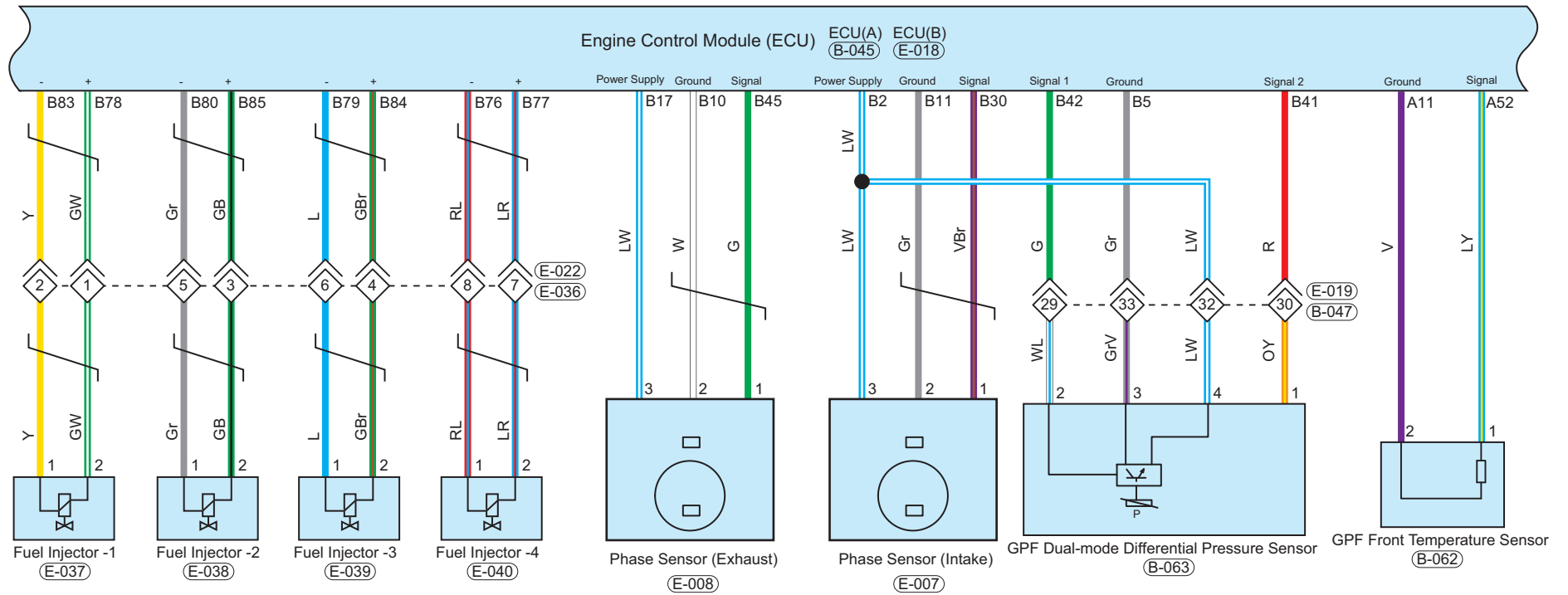
EWD014001

Engine Control System (EMS)



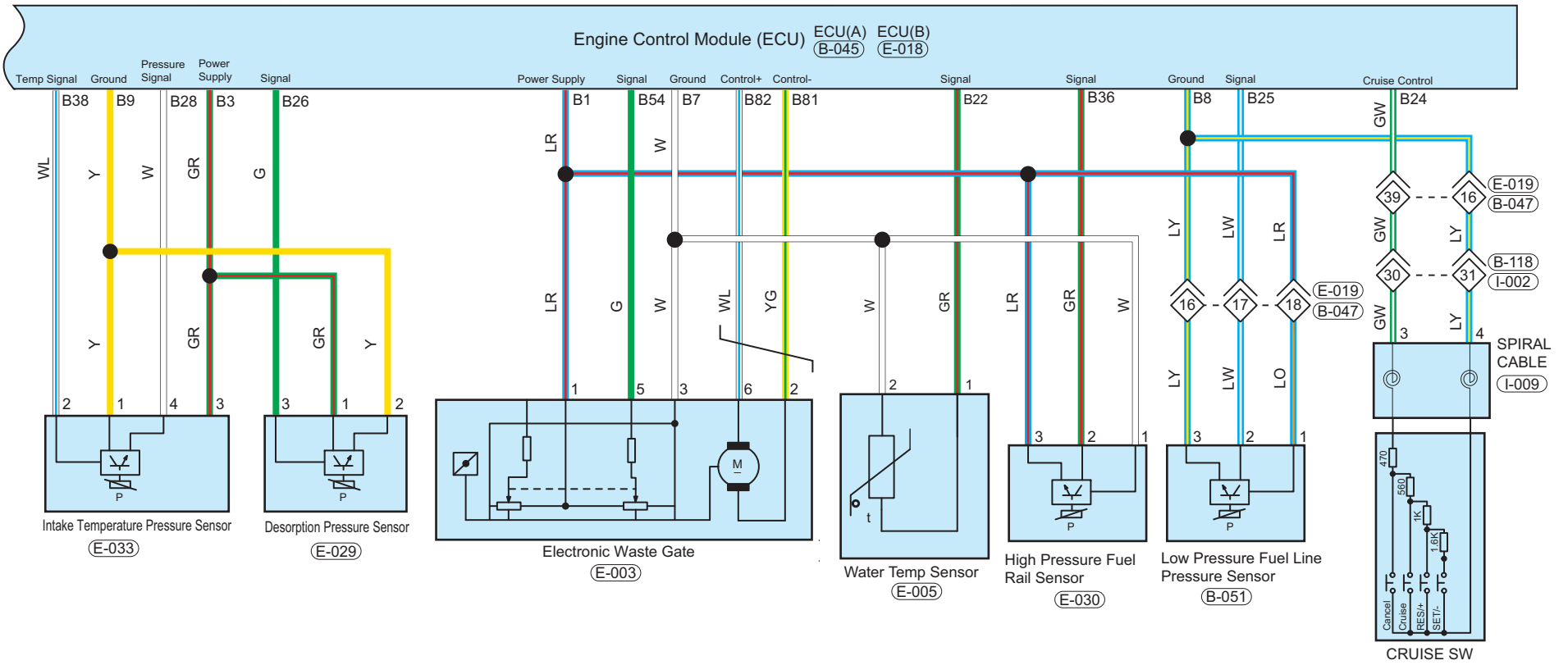
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Engine Control System (EMS)



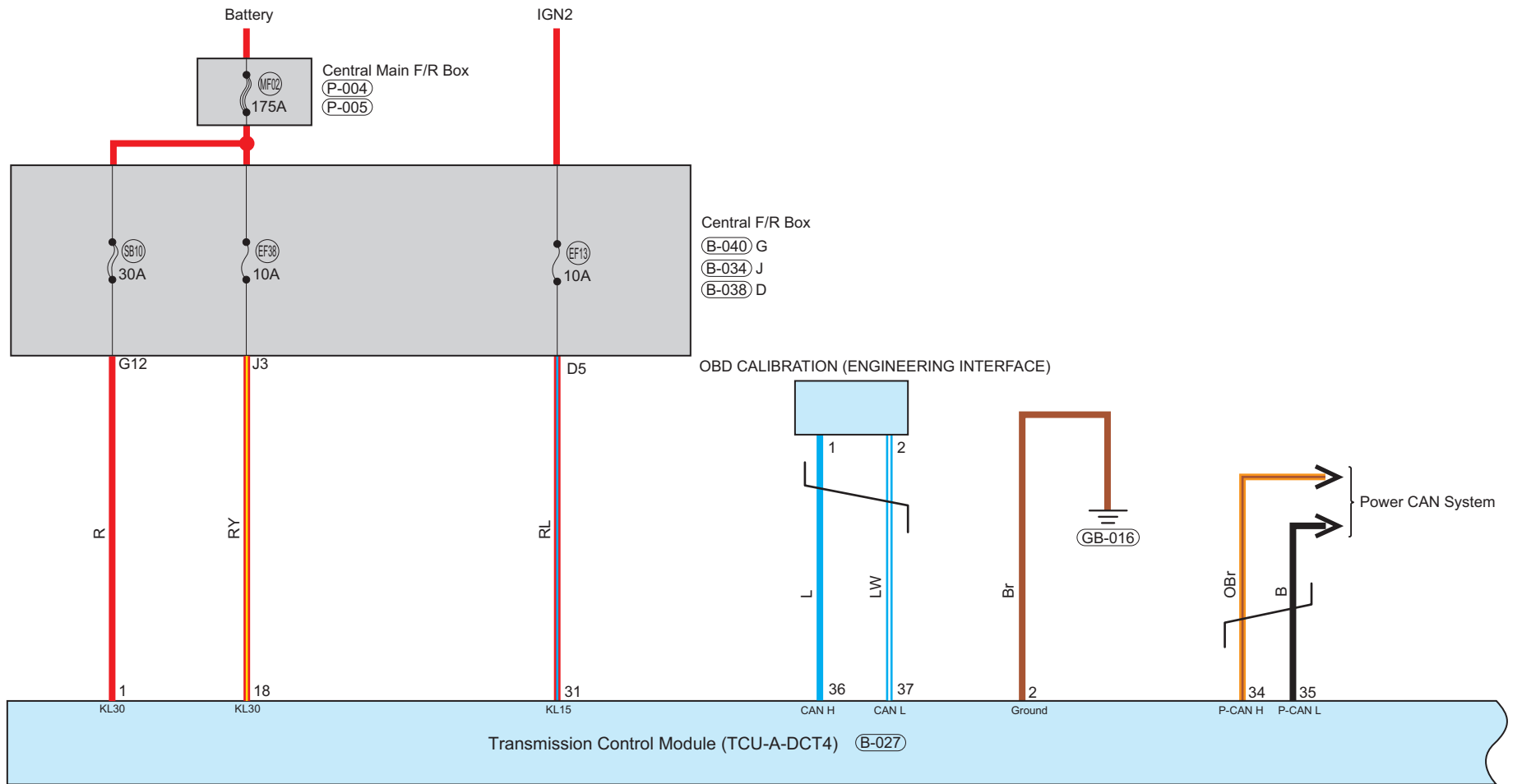
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Engine Control System (EMS)



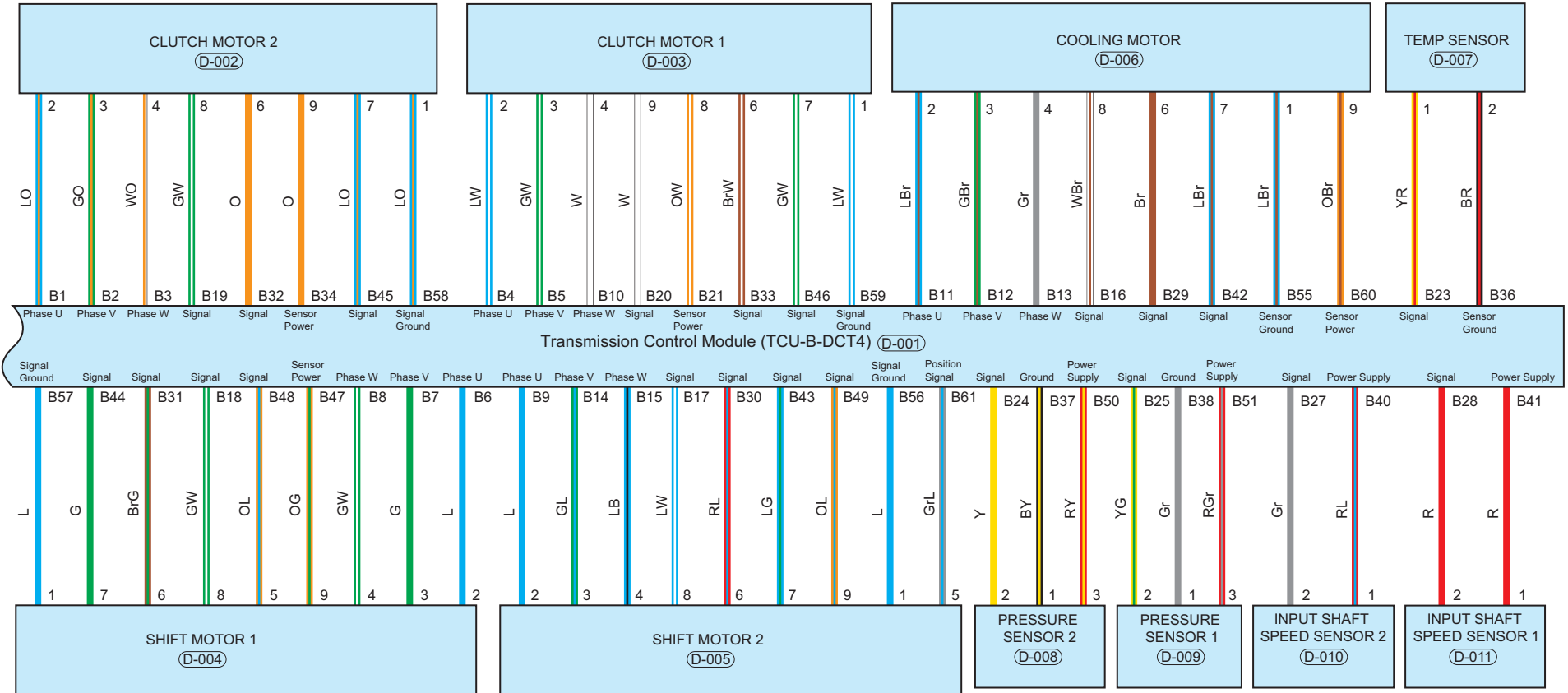
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Transmission Control System (TCU)



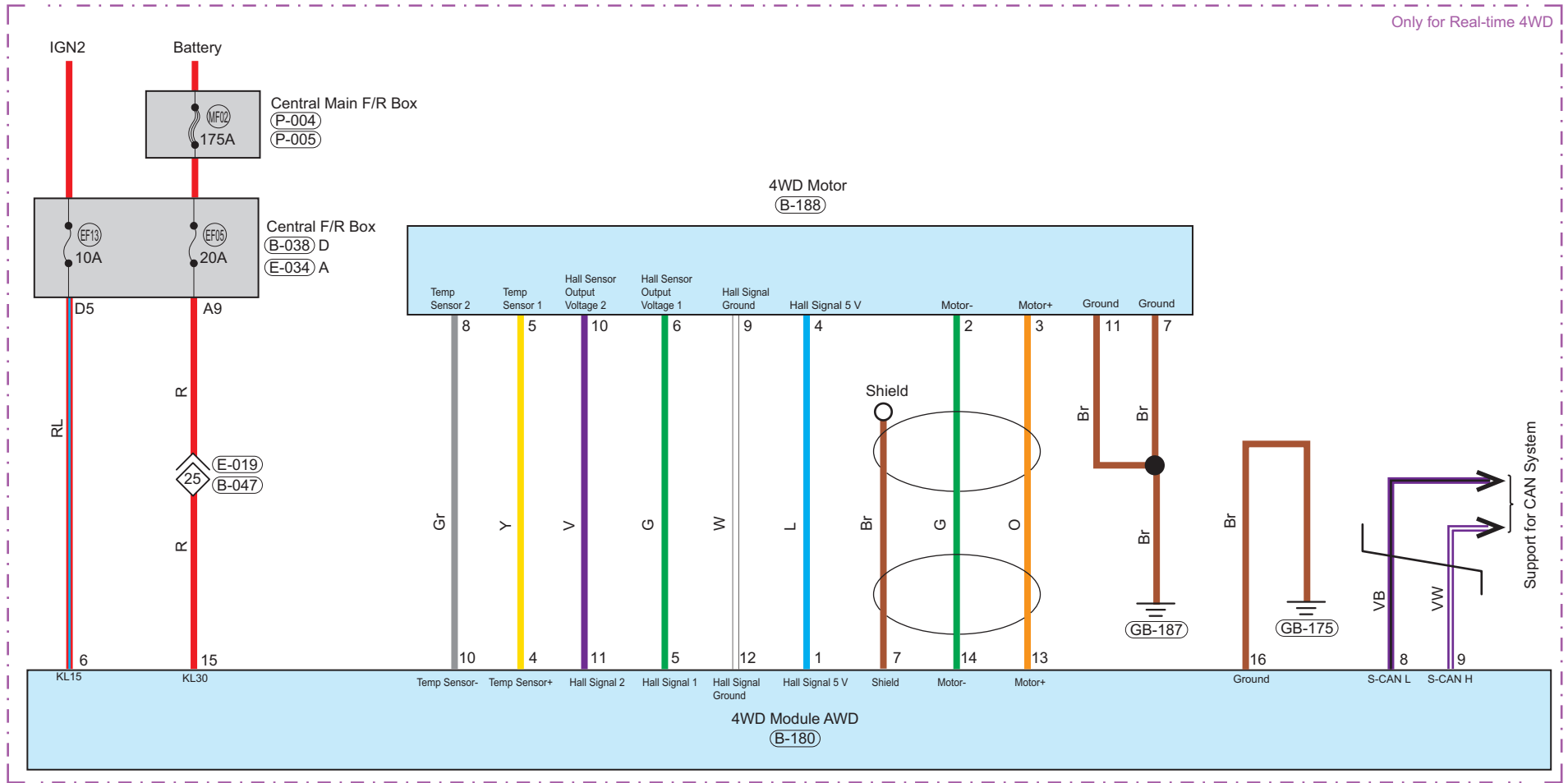
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Transmission Control System (TCU)



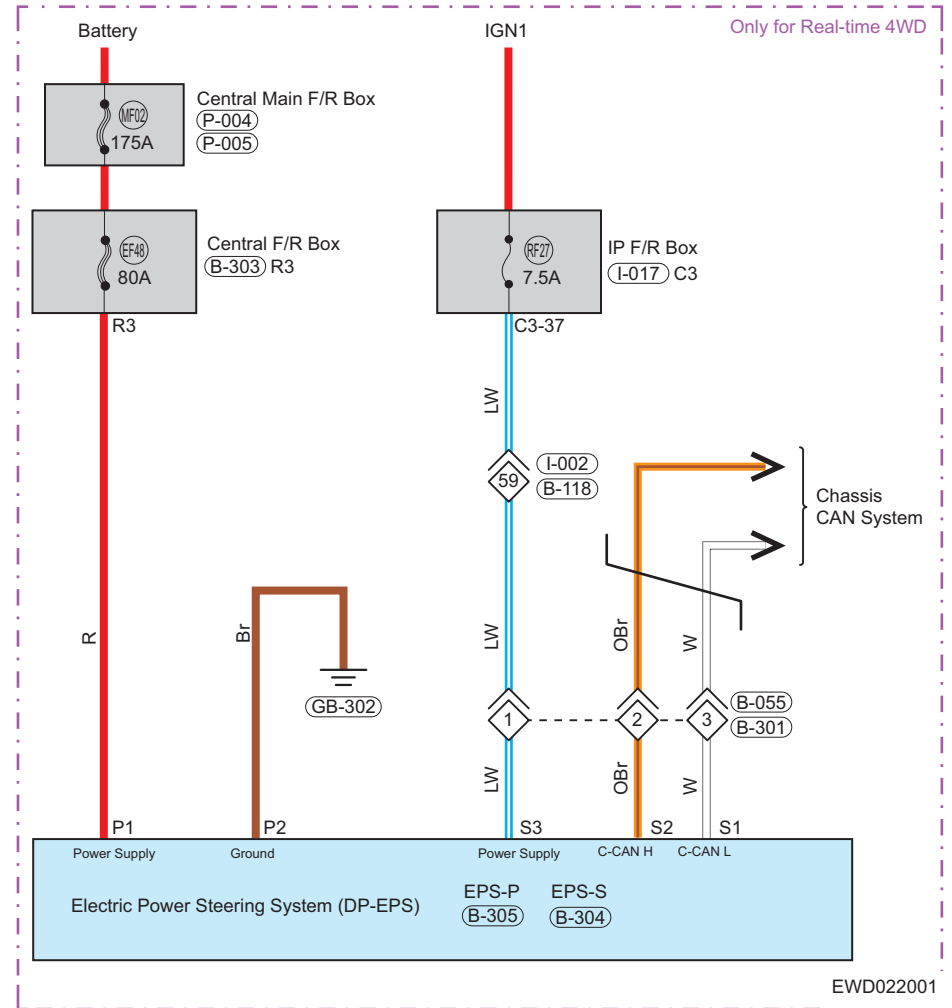
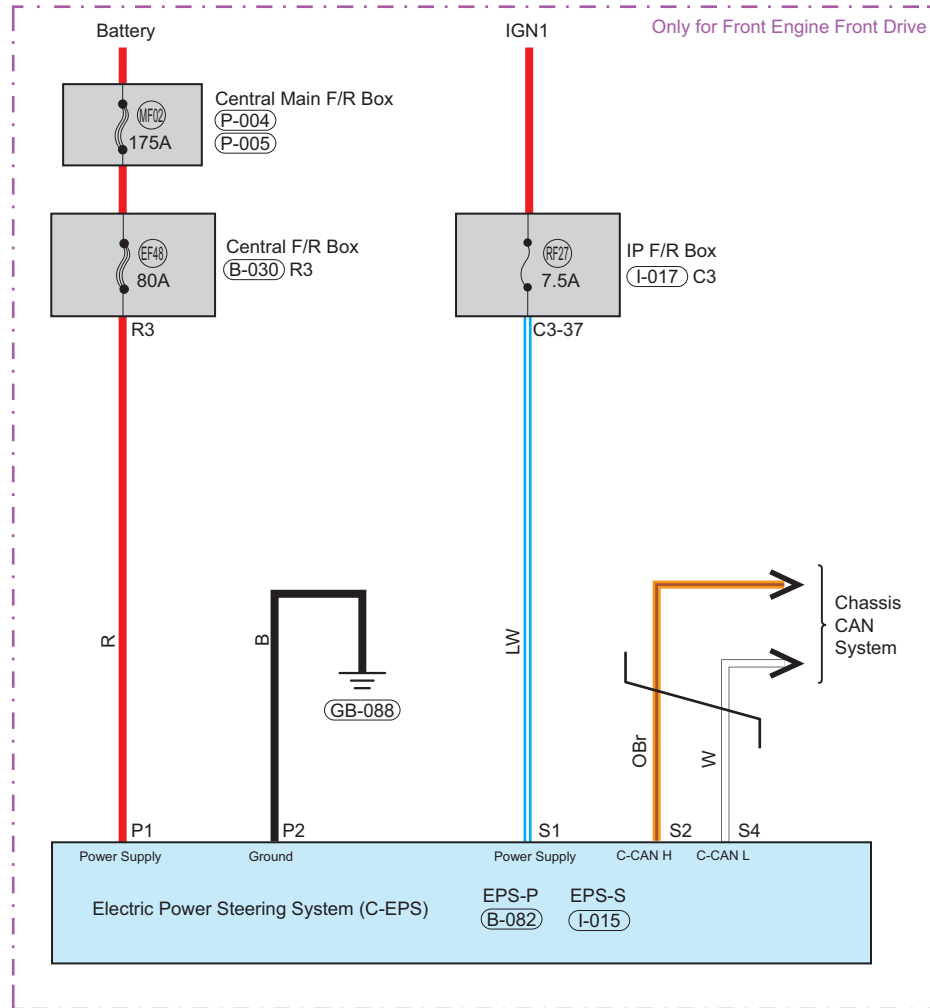
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Four-wheel Drive System (4WD)



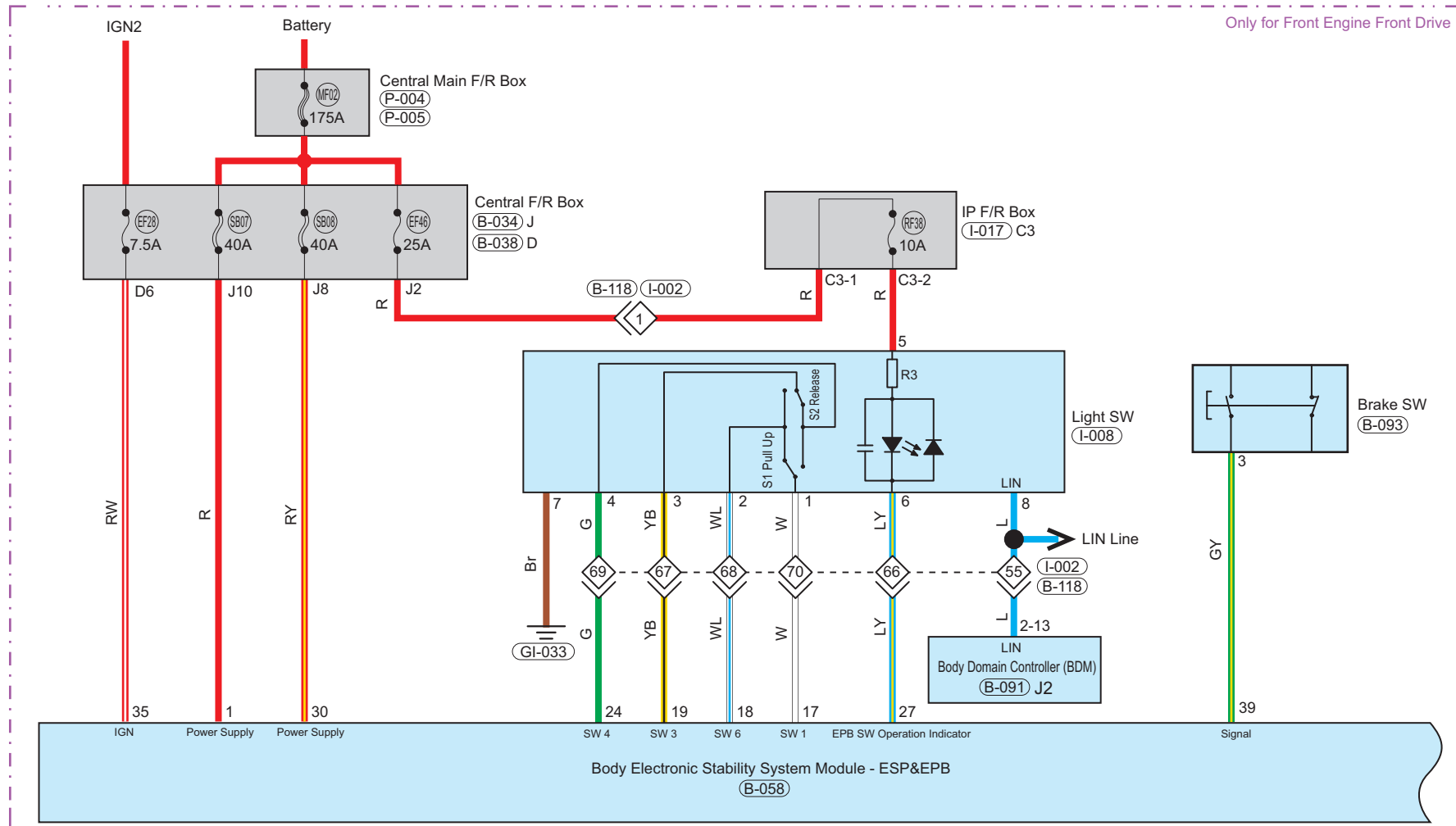
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Electric Power Steering System (EPS)



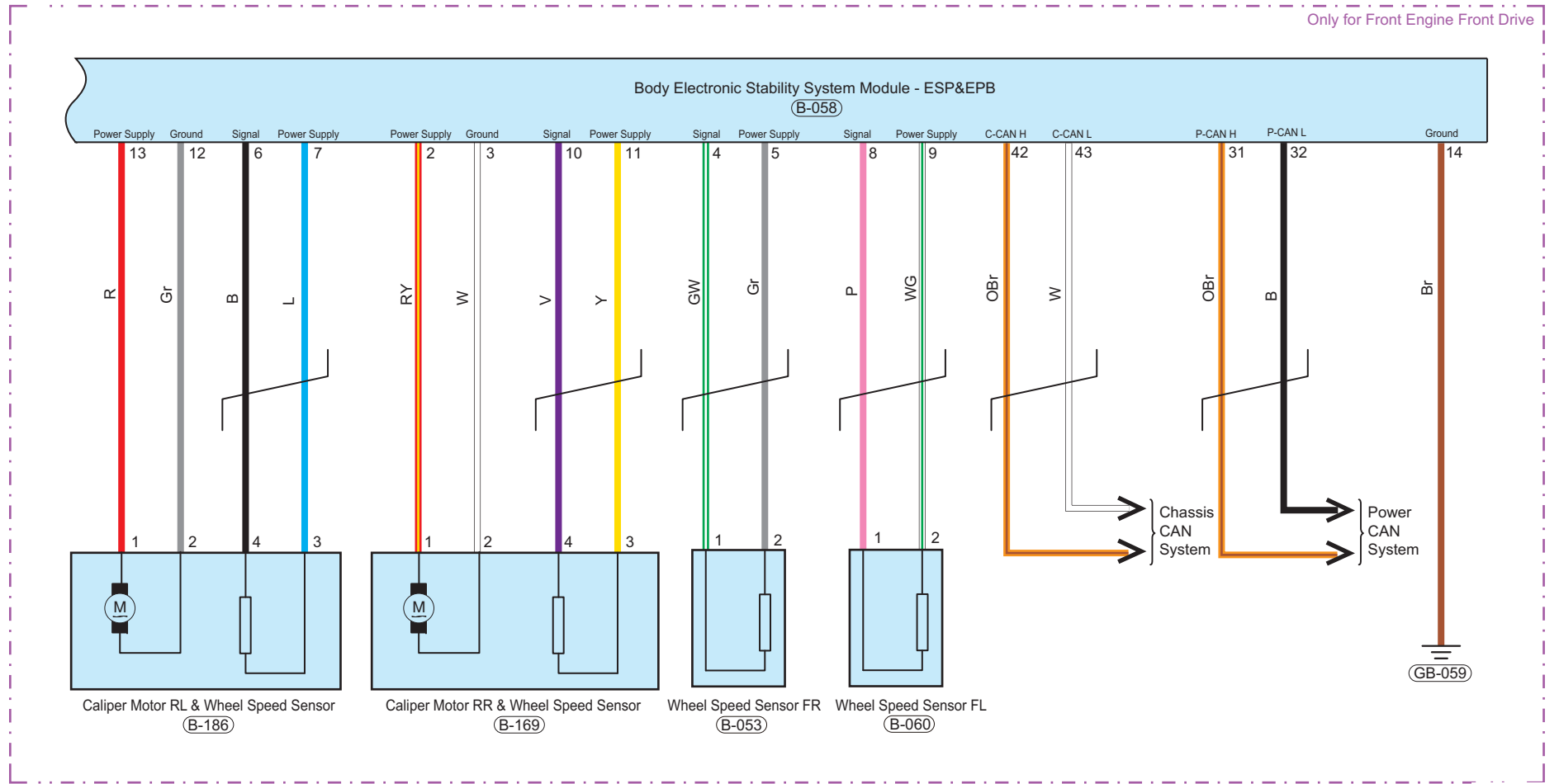
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Electronic Stability System (ESP&EPB)



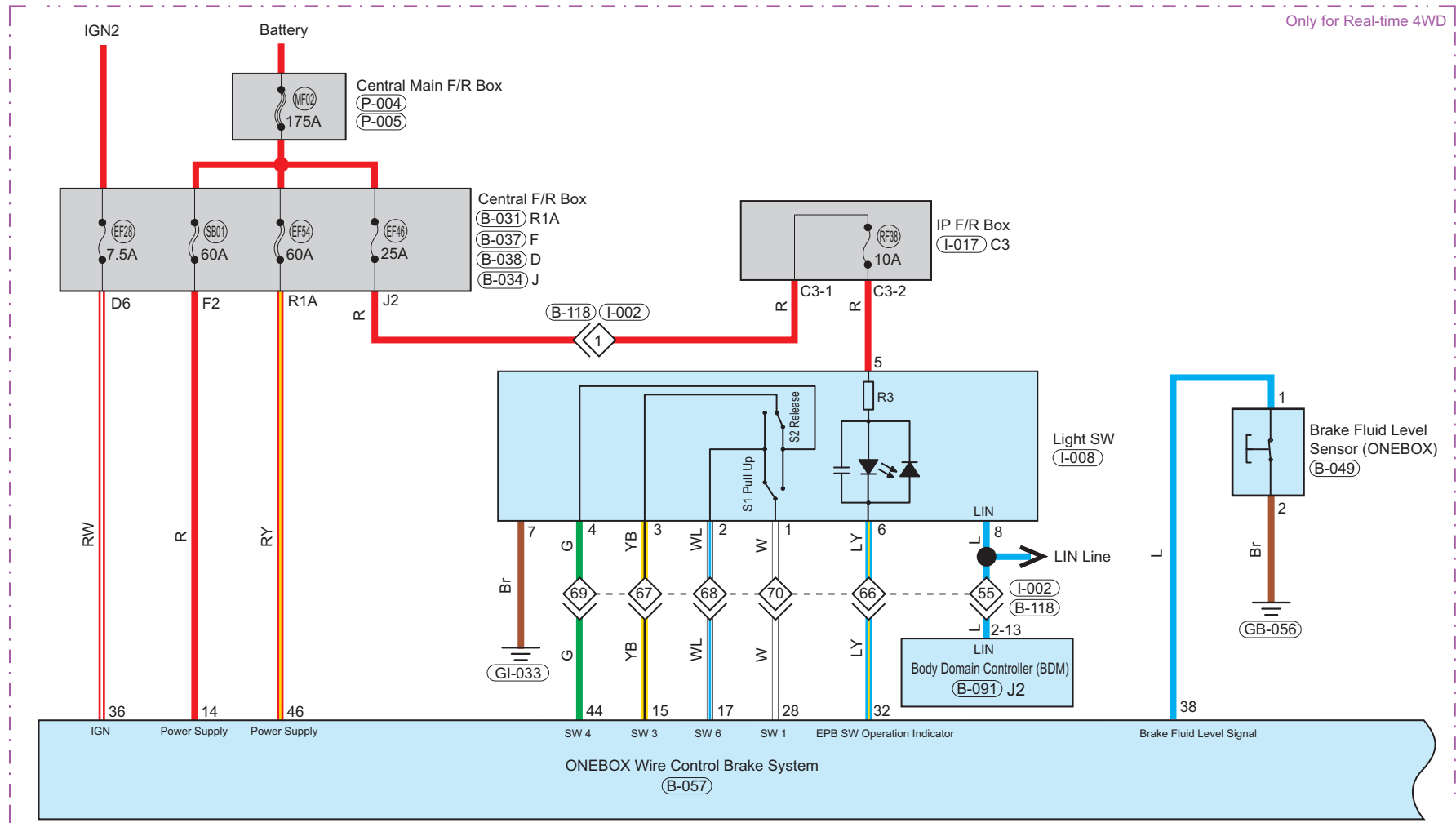
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Electronic Stability System (ESP&EPB)



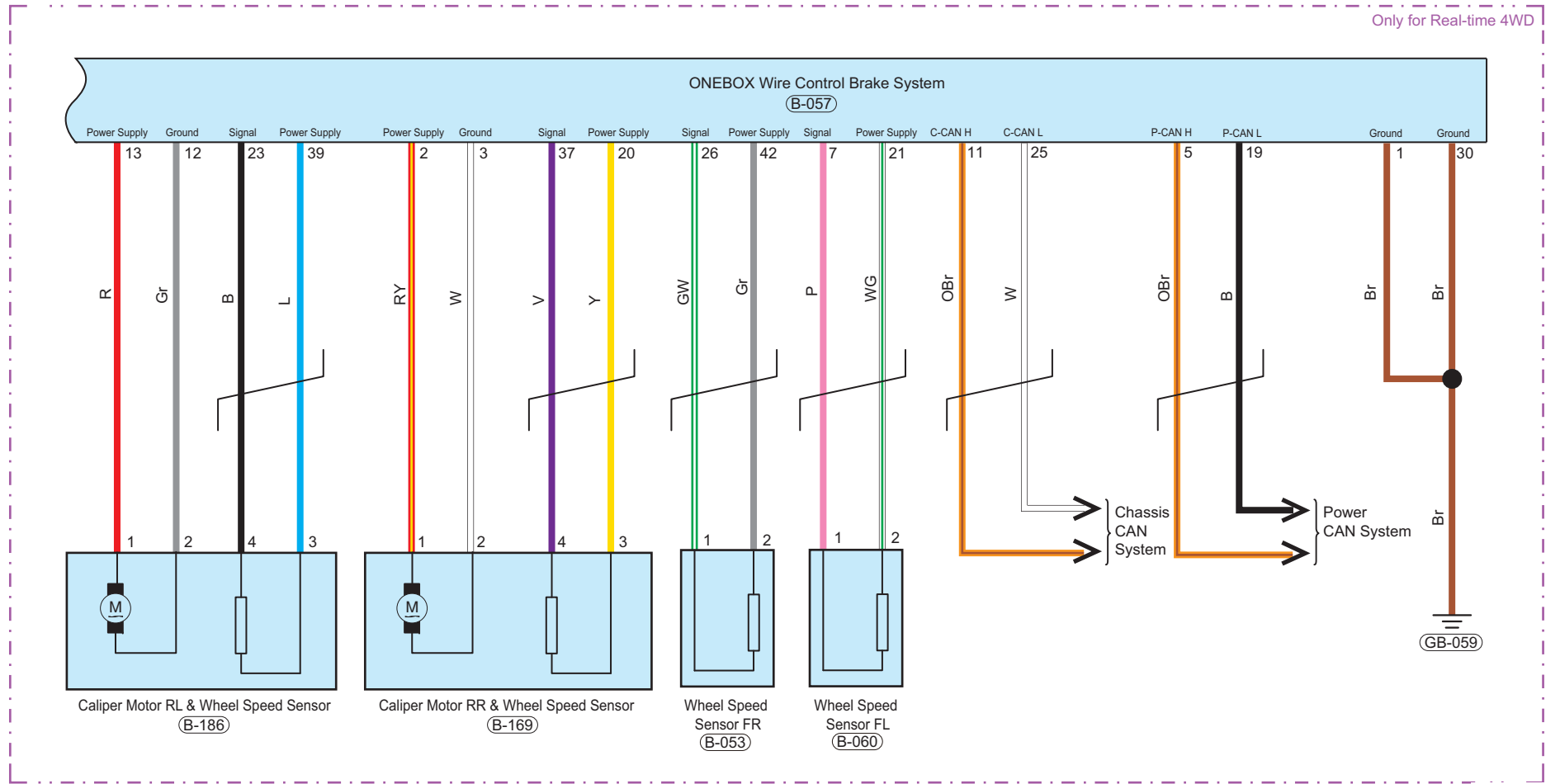
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ONEBOX Electric Wired Braking System



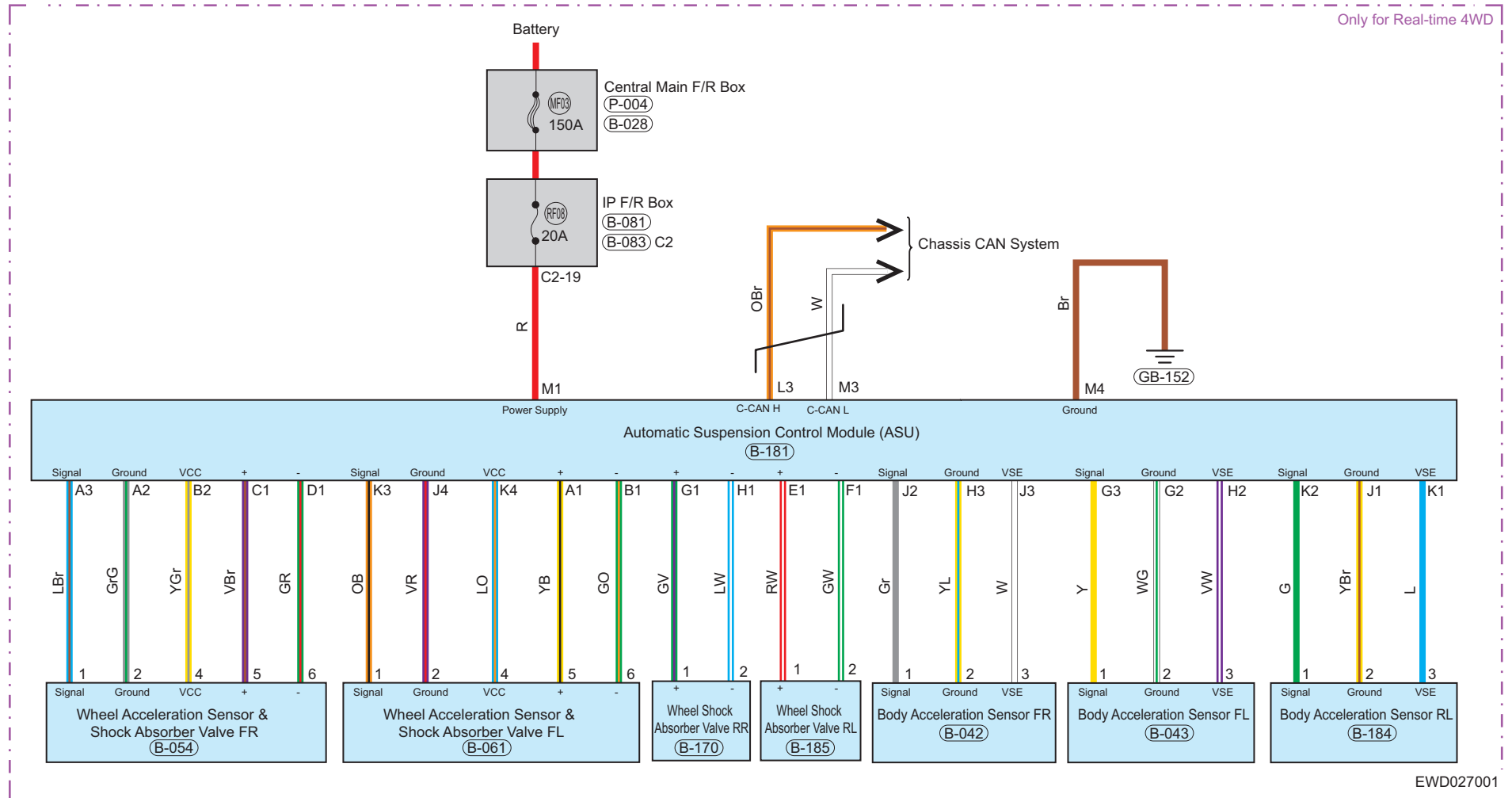
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ONEBOX Electric Wired Braking System

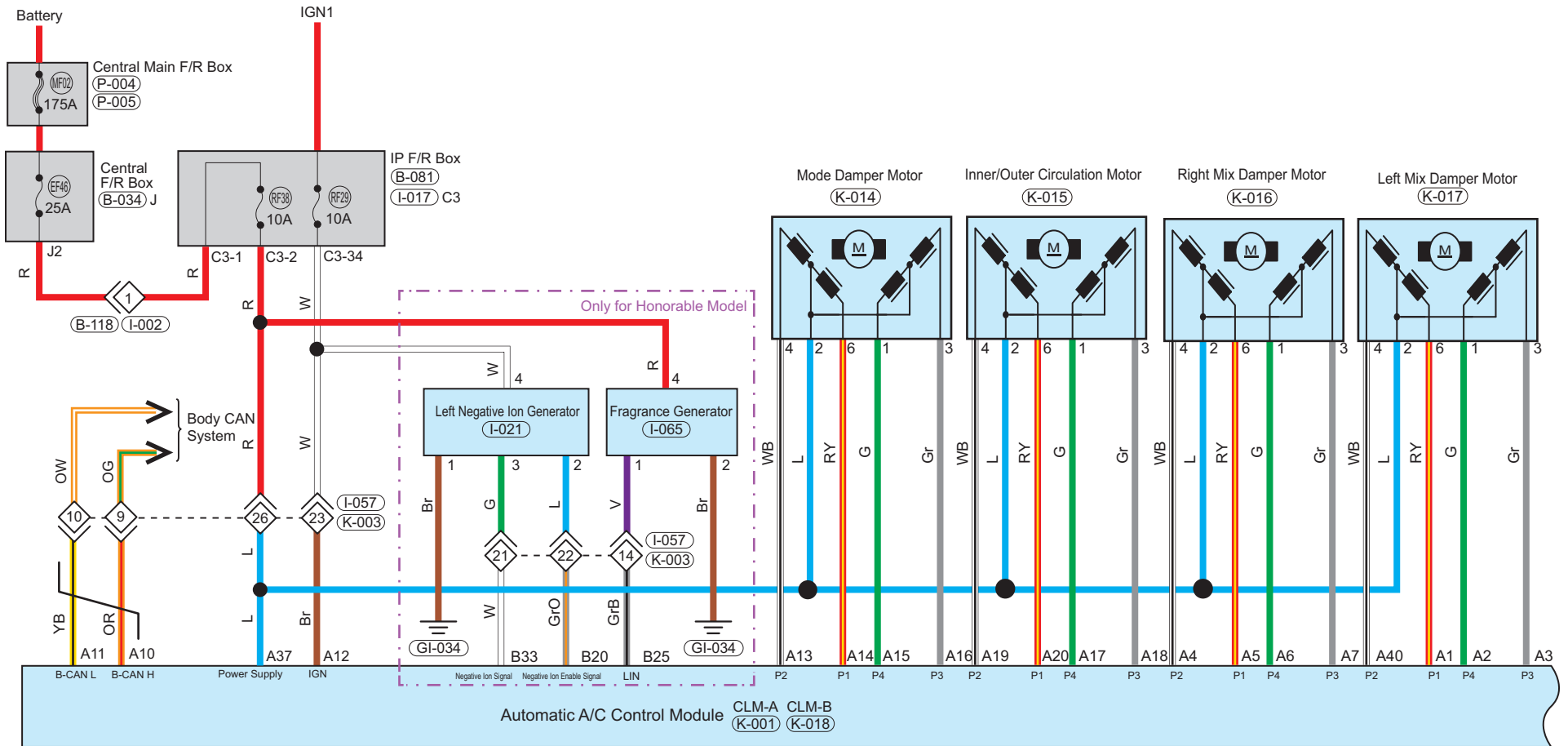


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Automatic Suspension Control System (ASU)

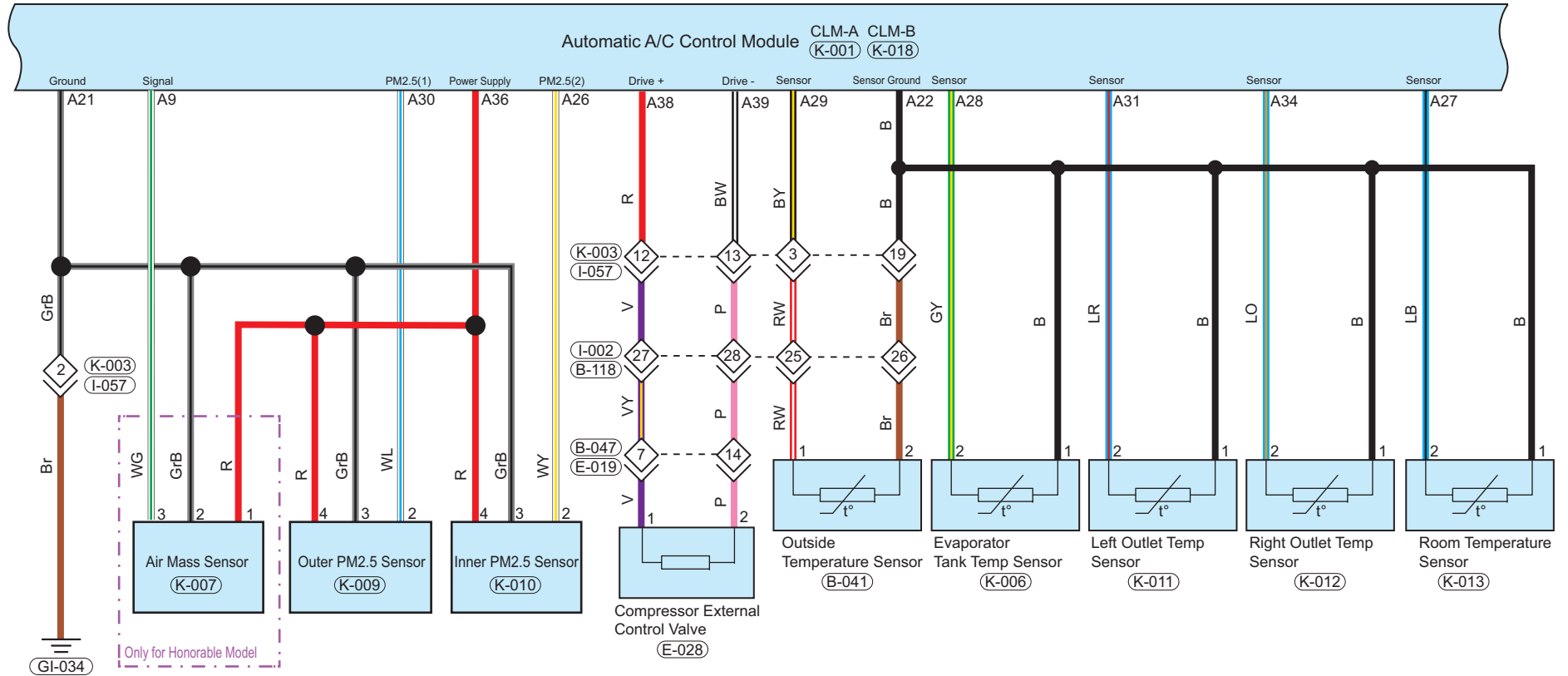


Automatic A/C System (CLM)



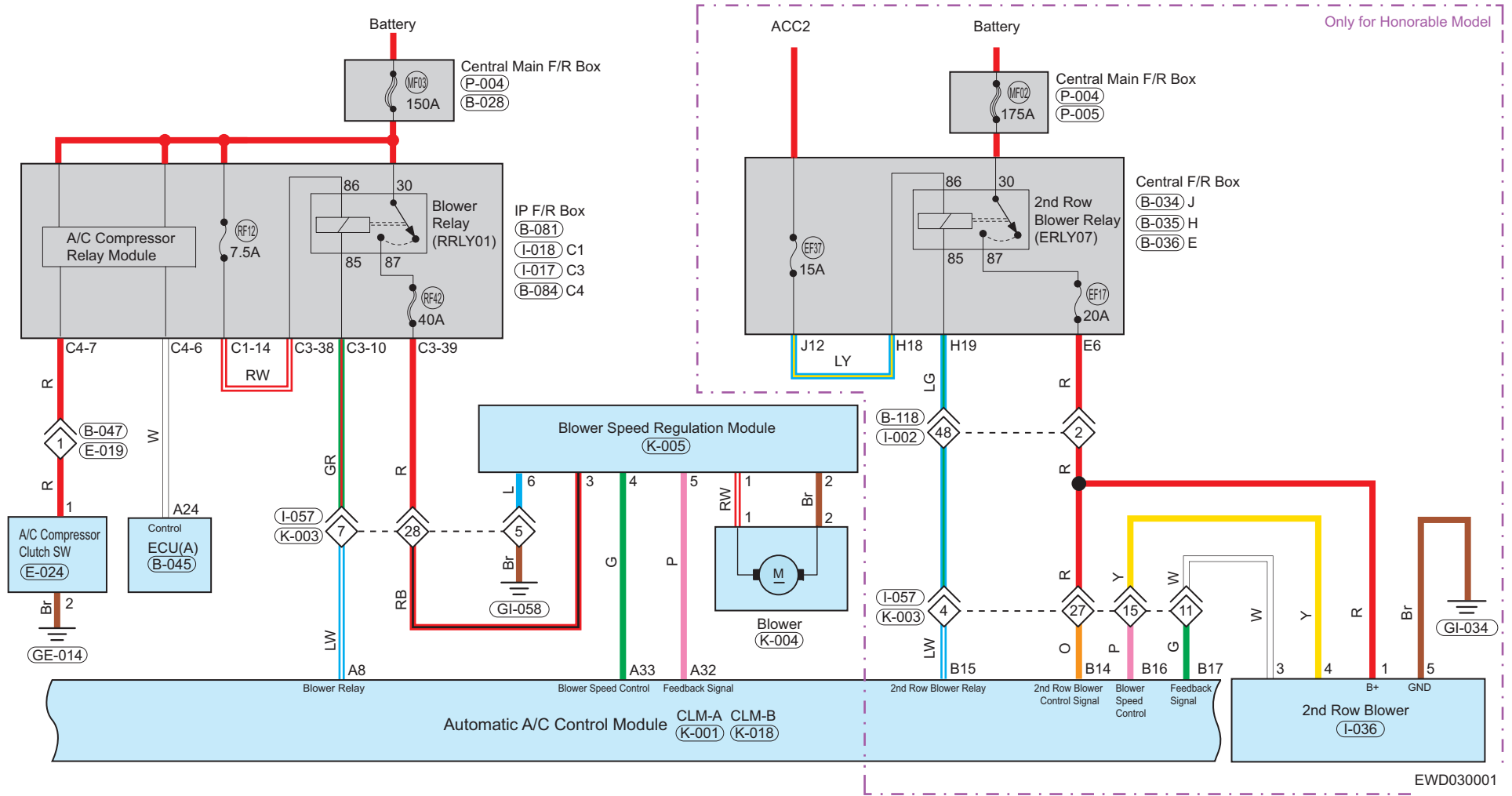
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Automatic A/C System (CLM)

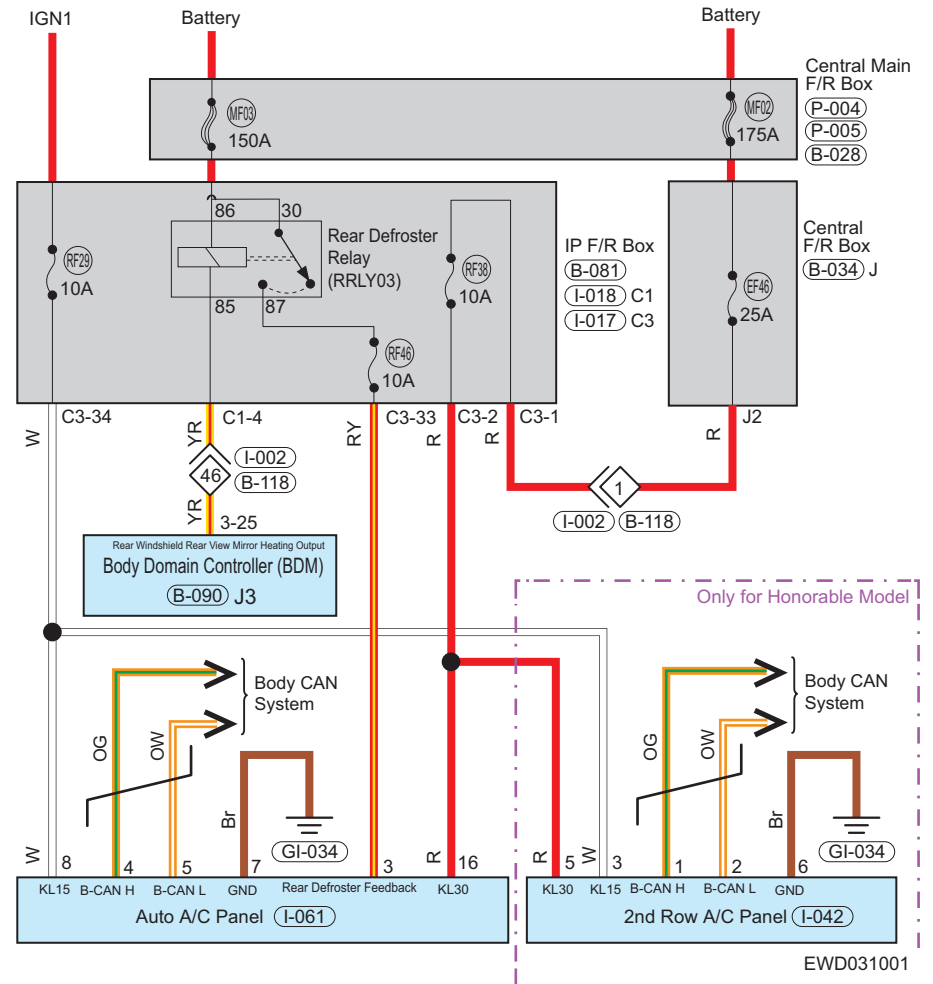
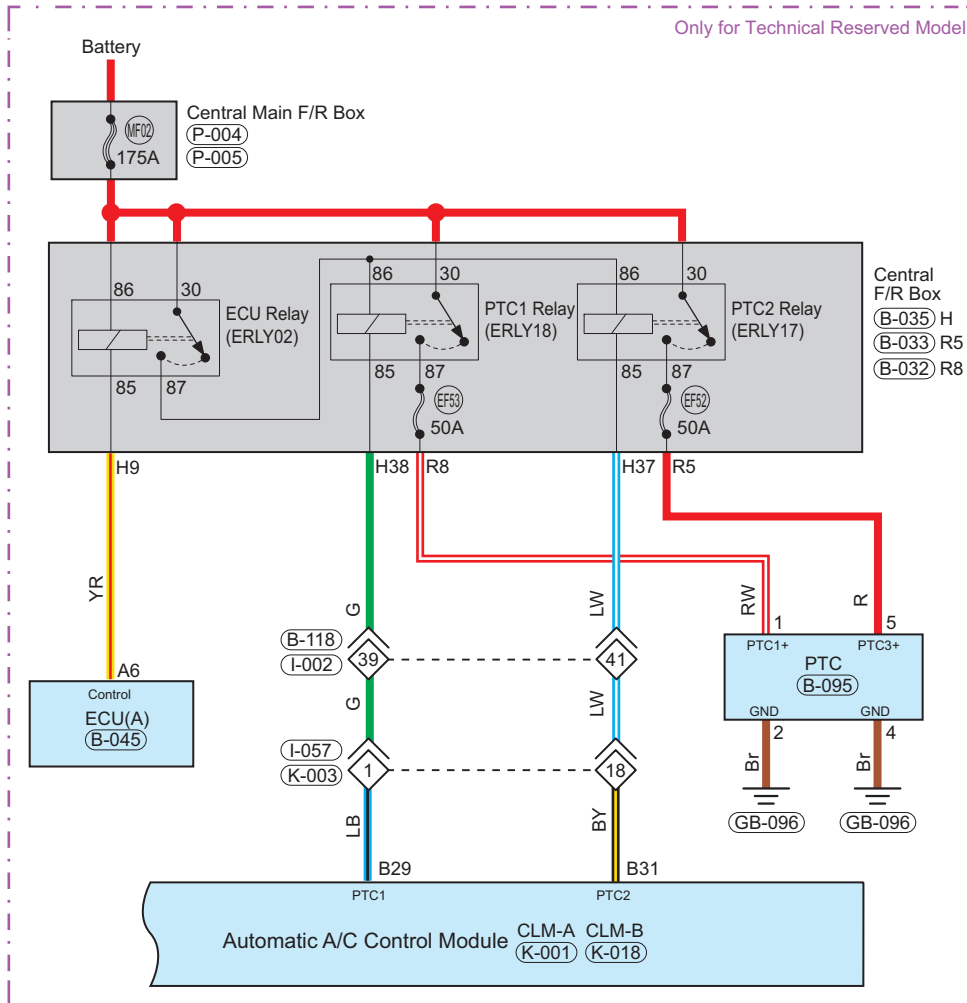


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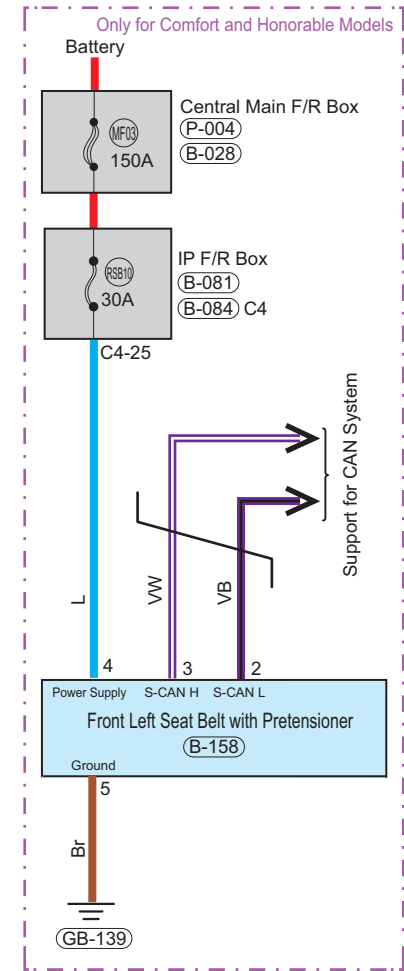
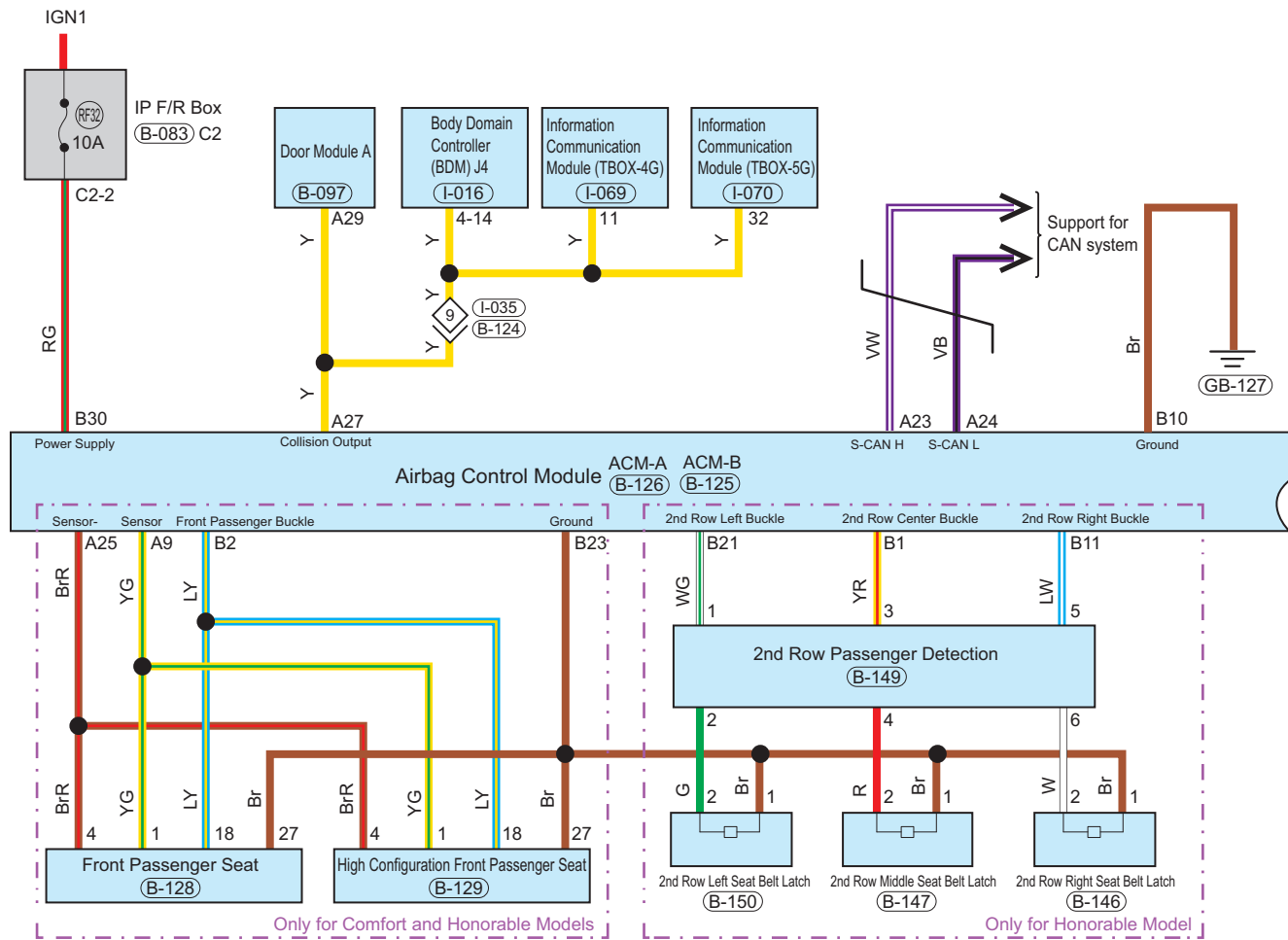
Automatic A/C System (CLM)



Automatic A/C System (CLM)

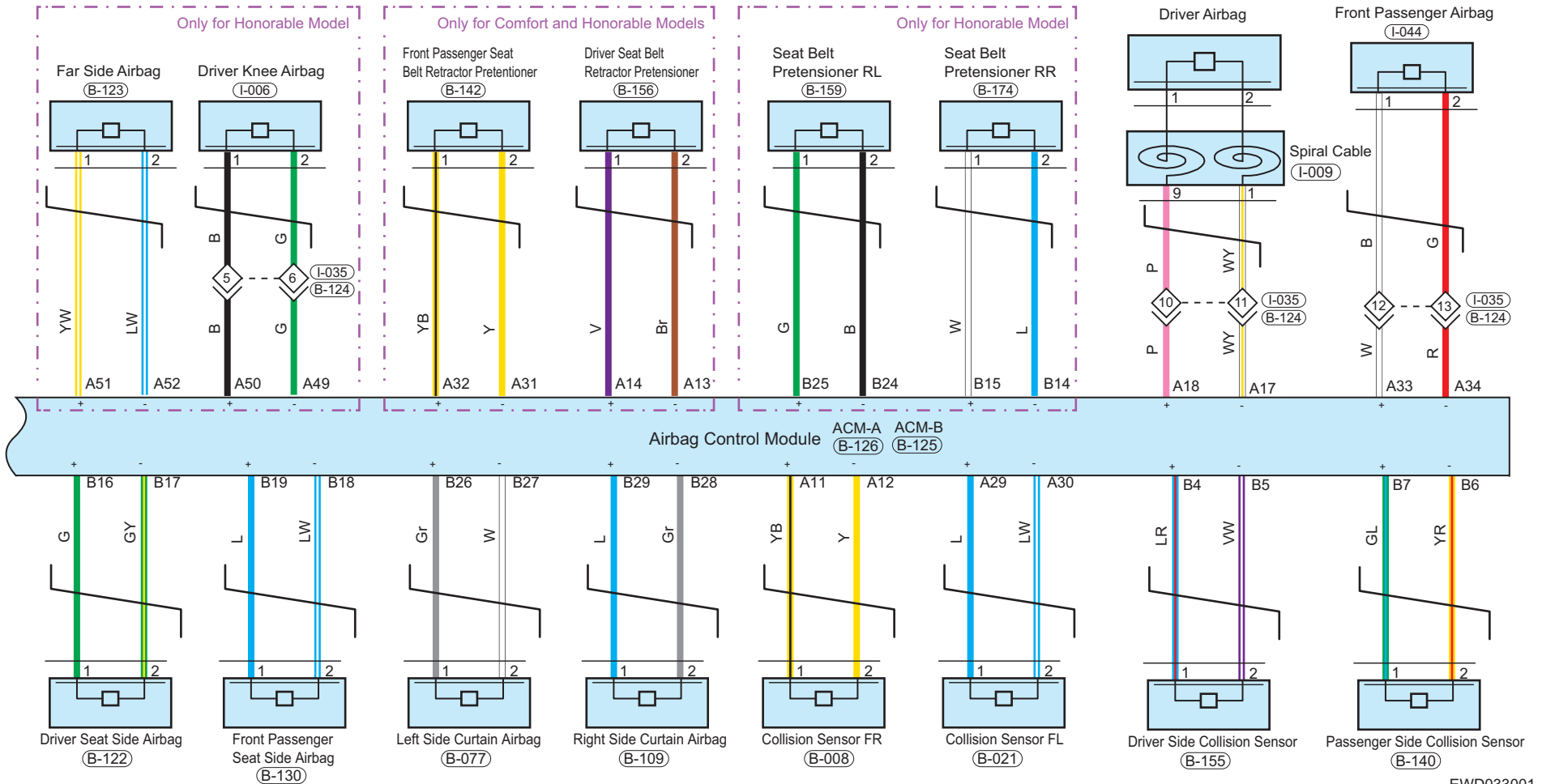


Airbag System (ACM)



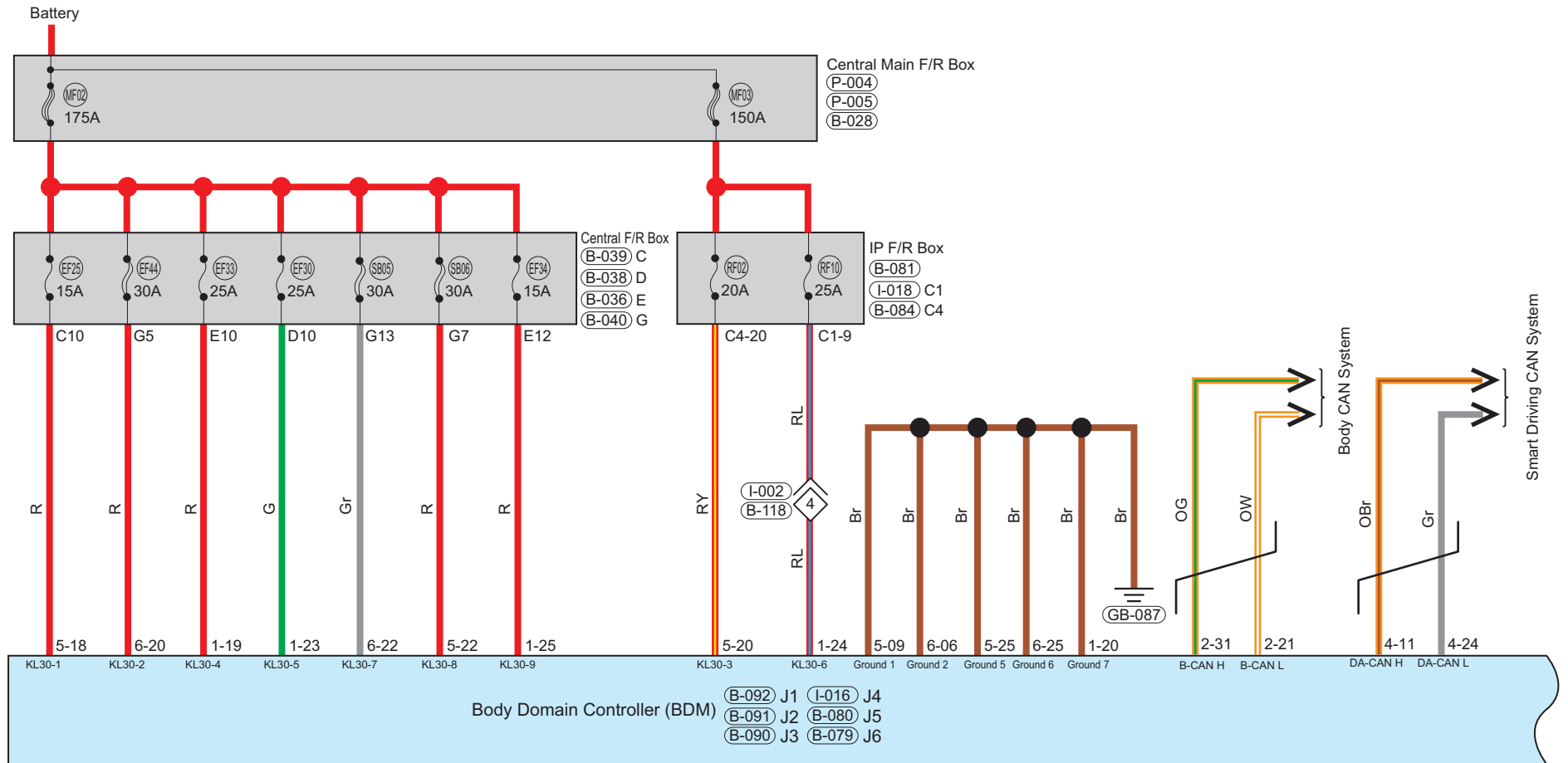
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Airbag System (ACM)



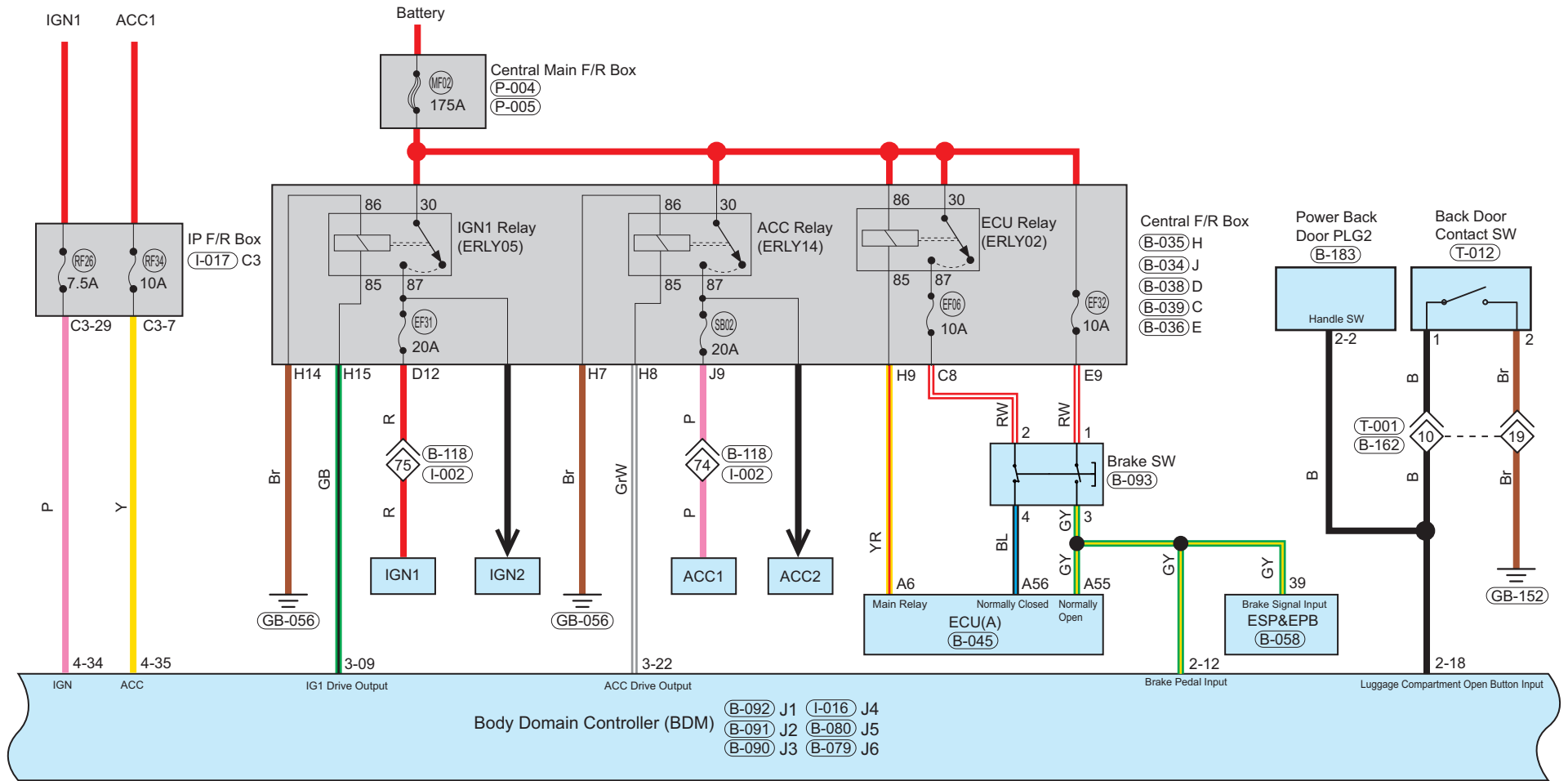
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Body Controller Module (BDM)



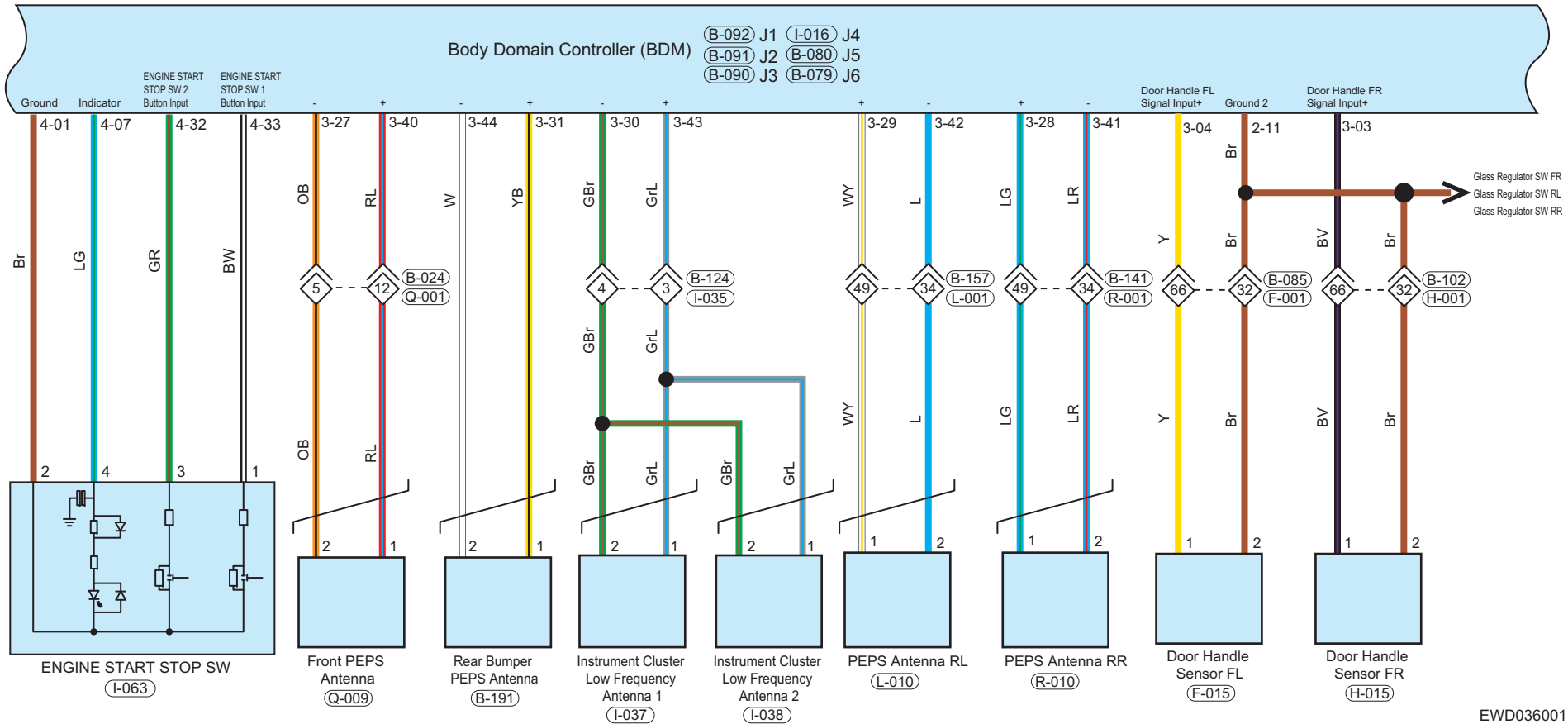
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Body Controller Module (BDM)



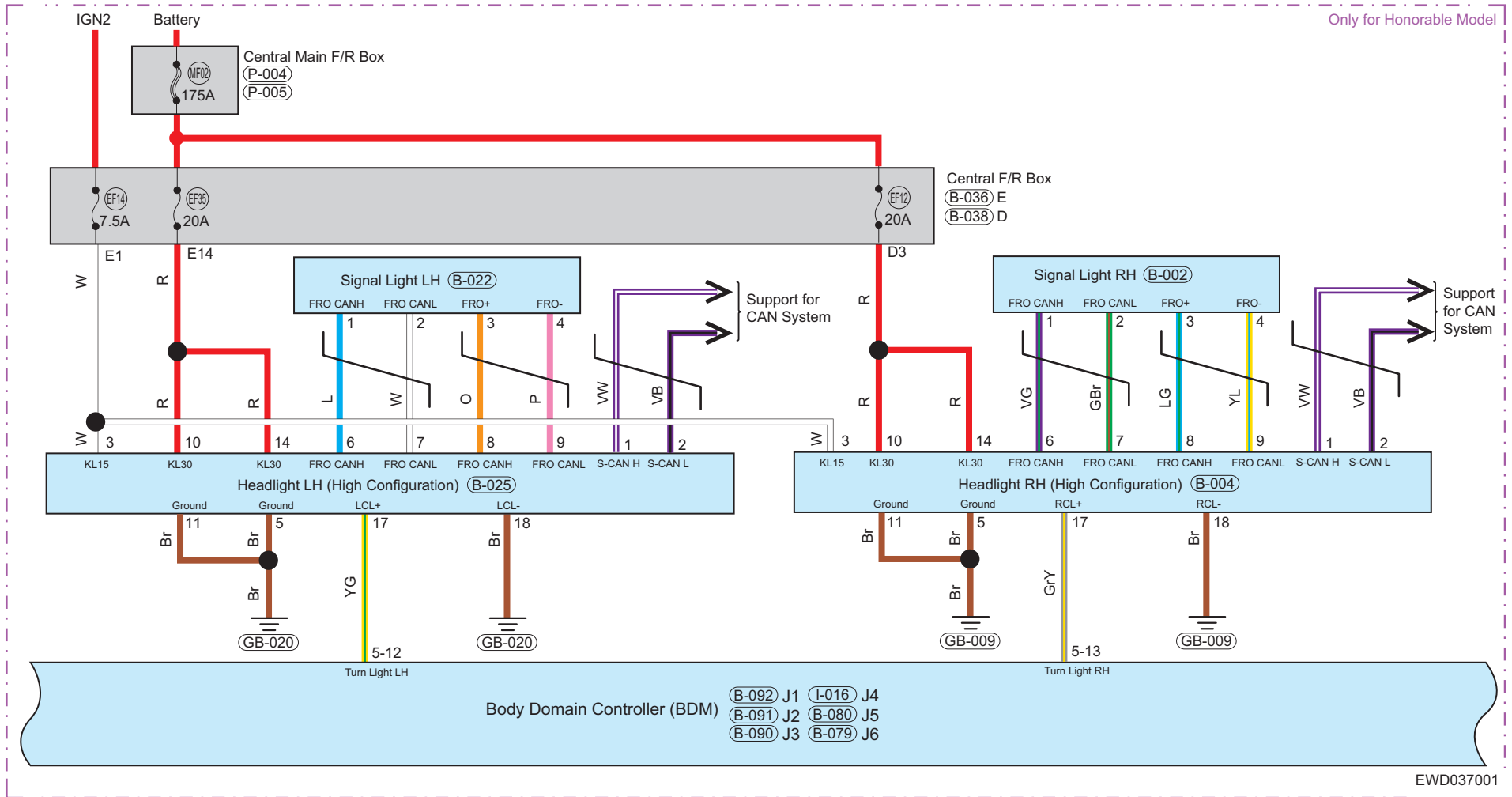
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Body Controller Module (BDM)

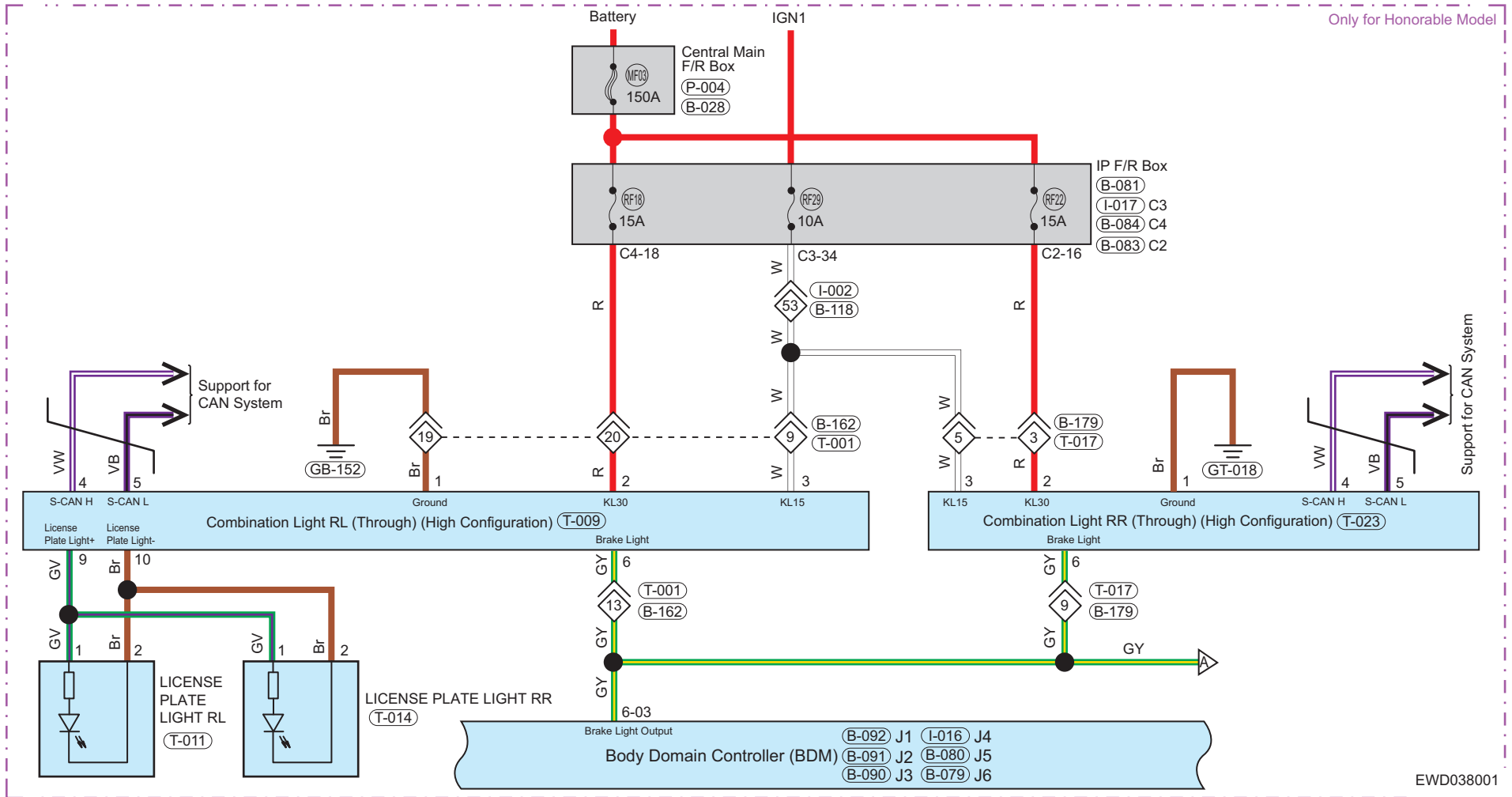


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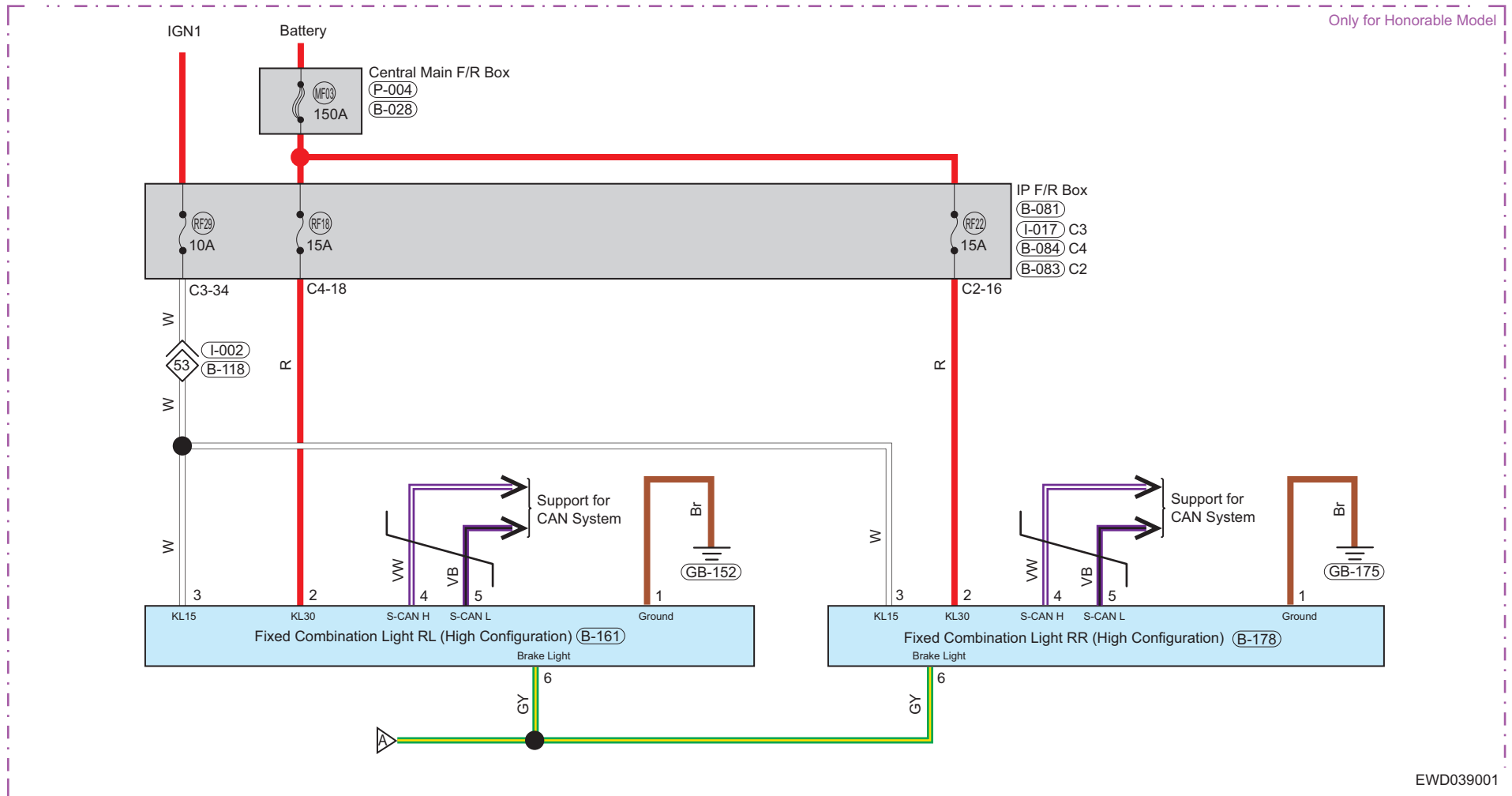
Body Controller Module (BDM)



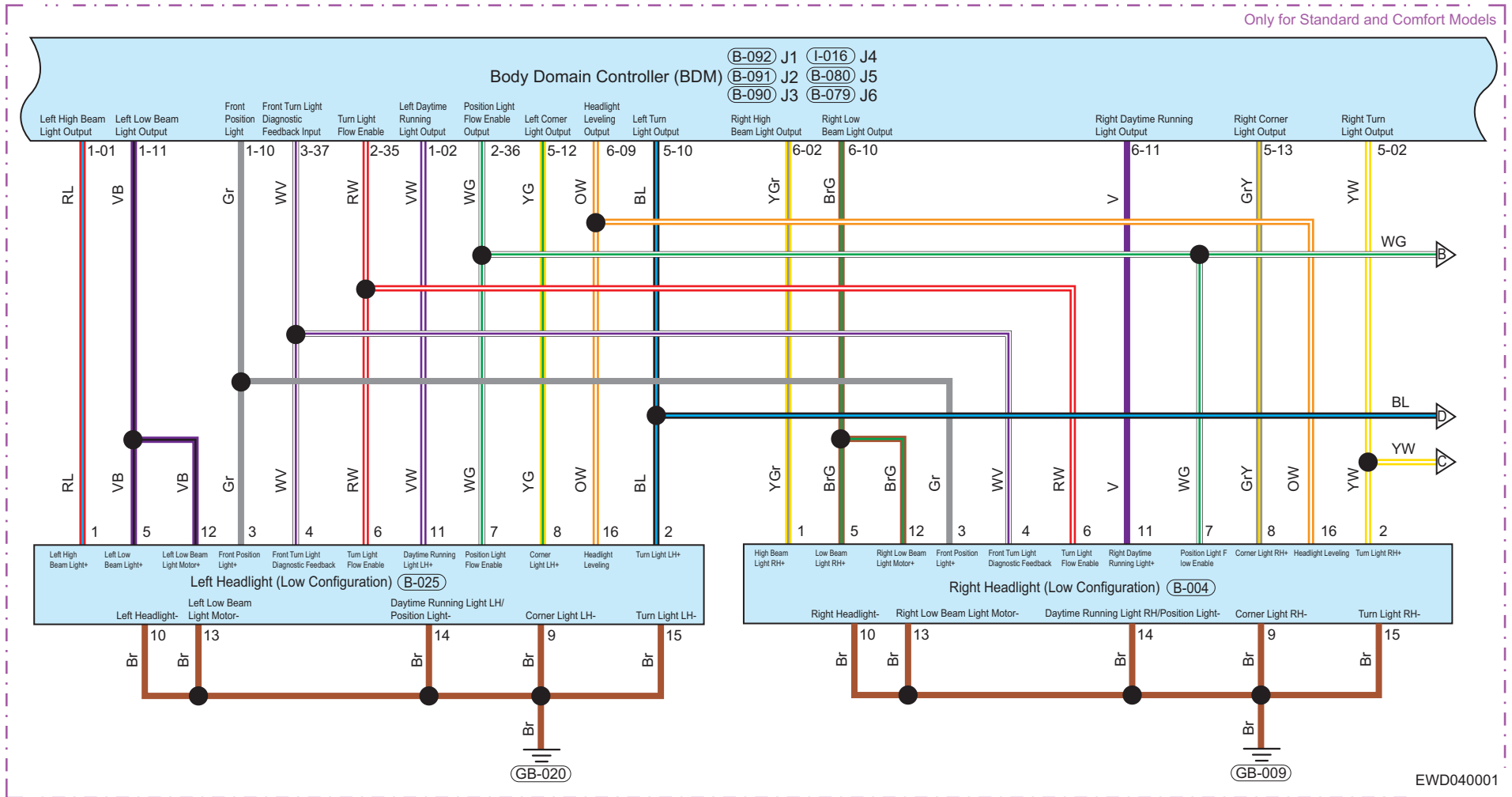
Body Controller Module (BDM)



Body Controller Module (BDM)

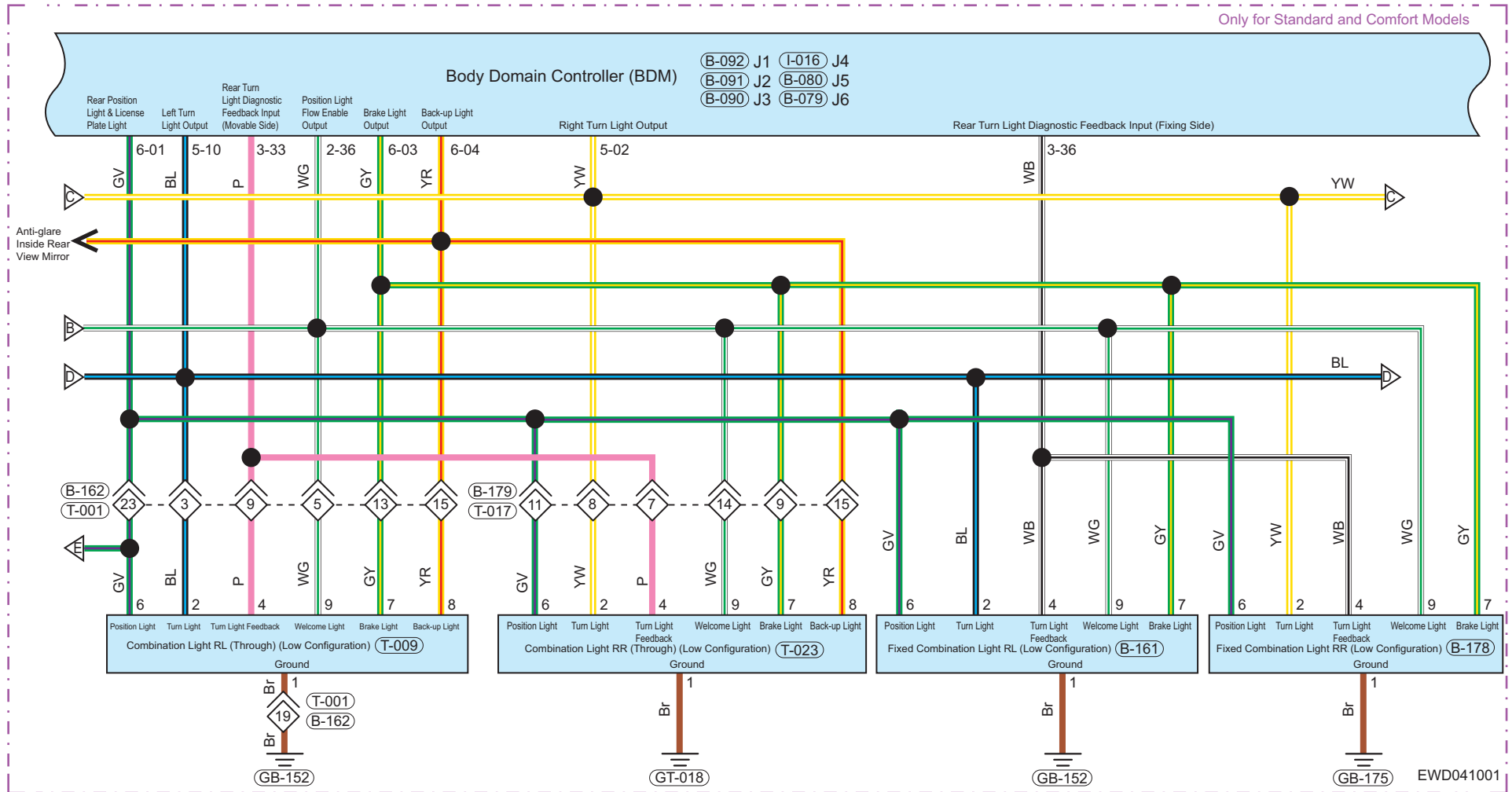


Body Controller Module (BDM)

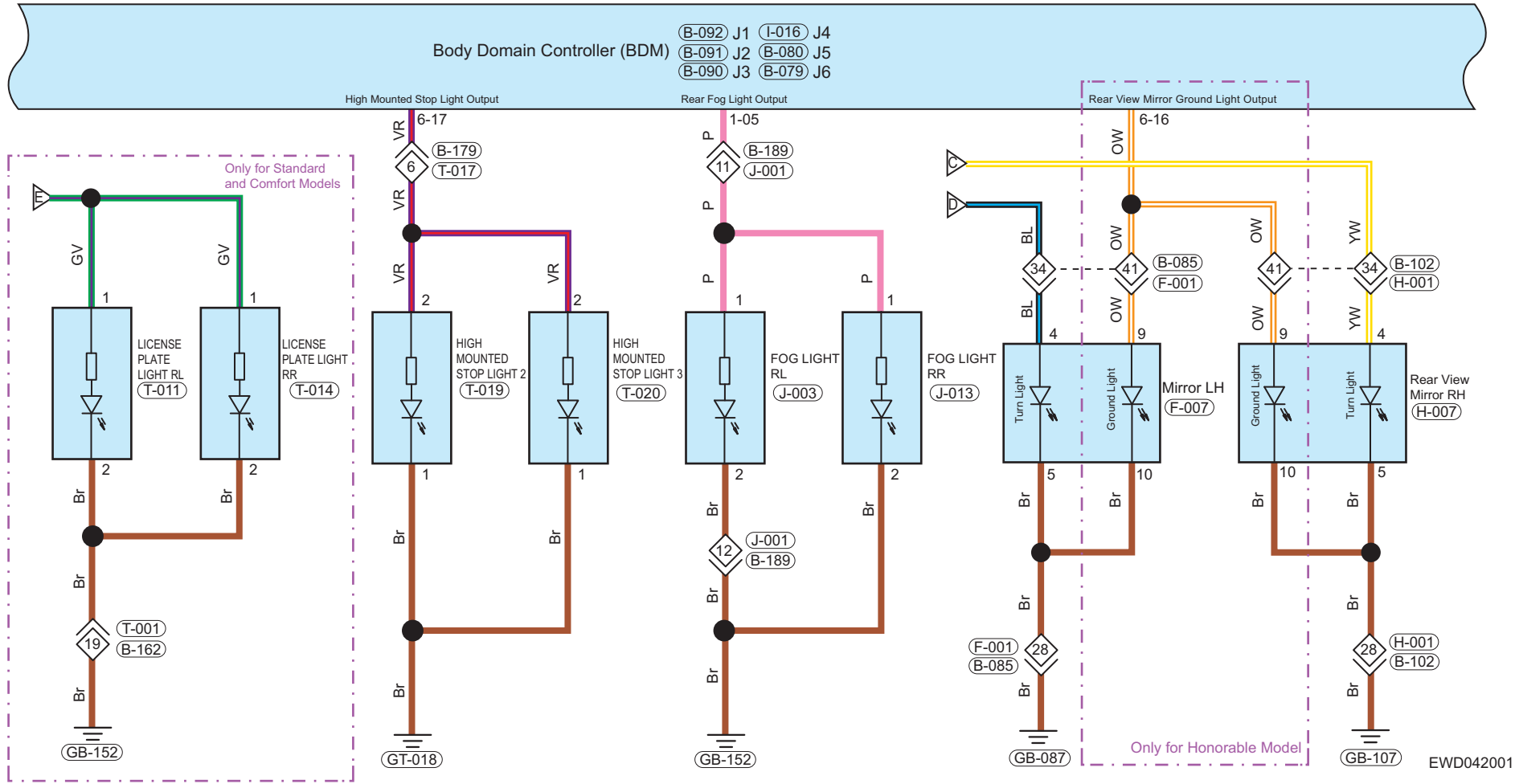


EWD040001

Body Controller Module (BDM)

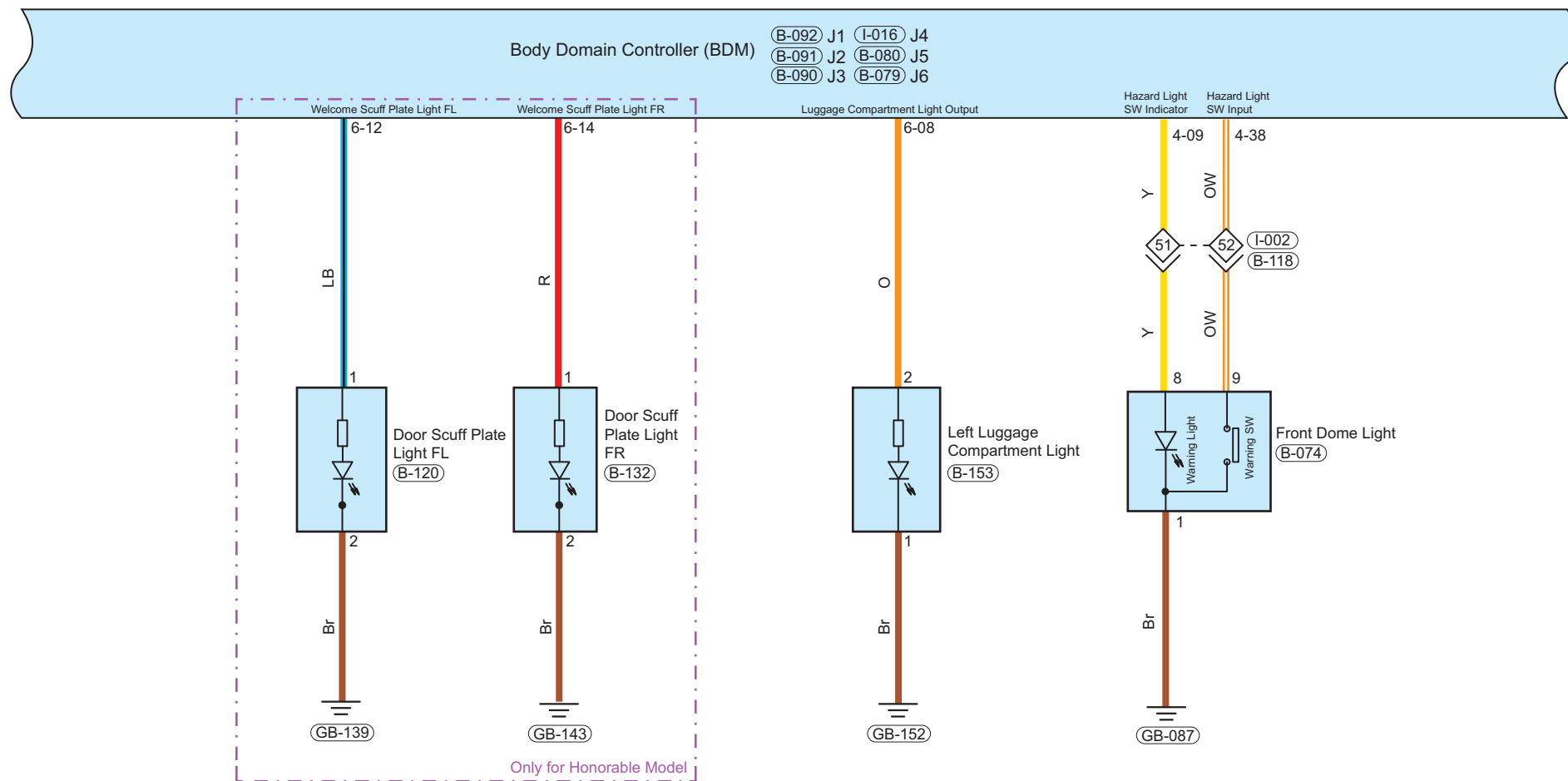


Body Controller Module (BDM)



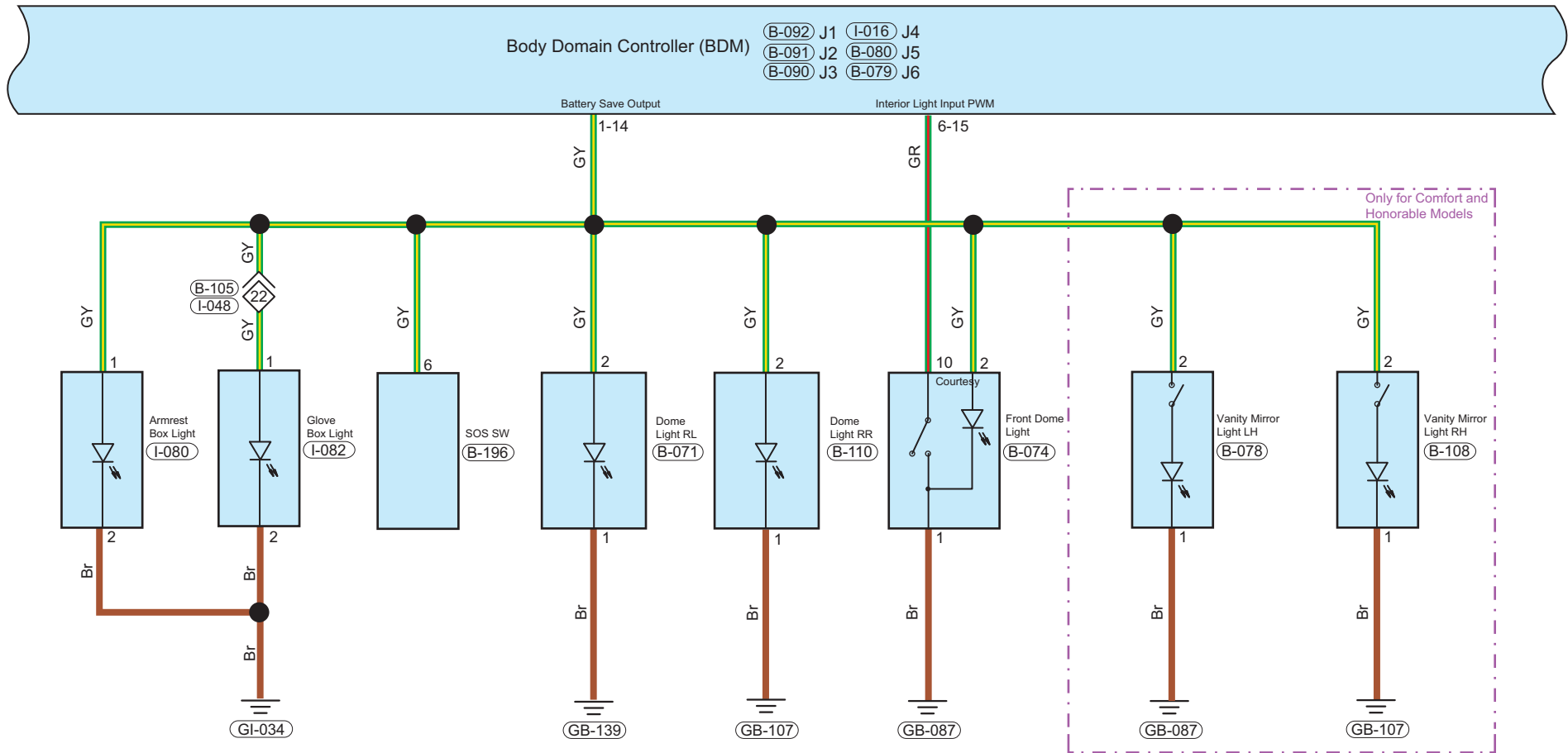
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Body Controller Module (BDM)



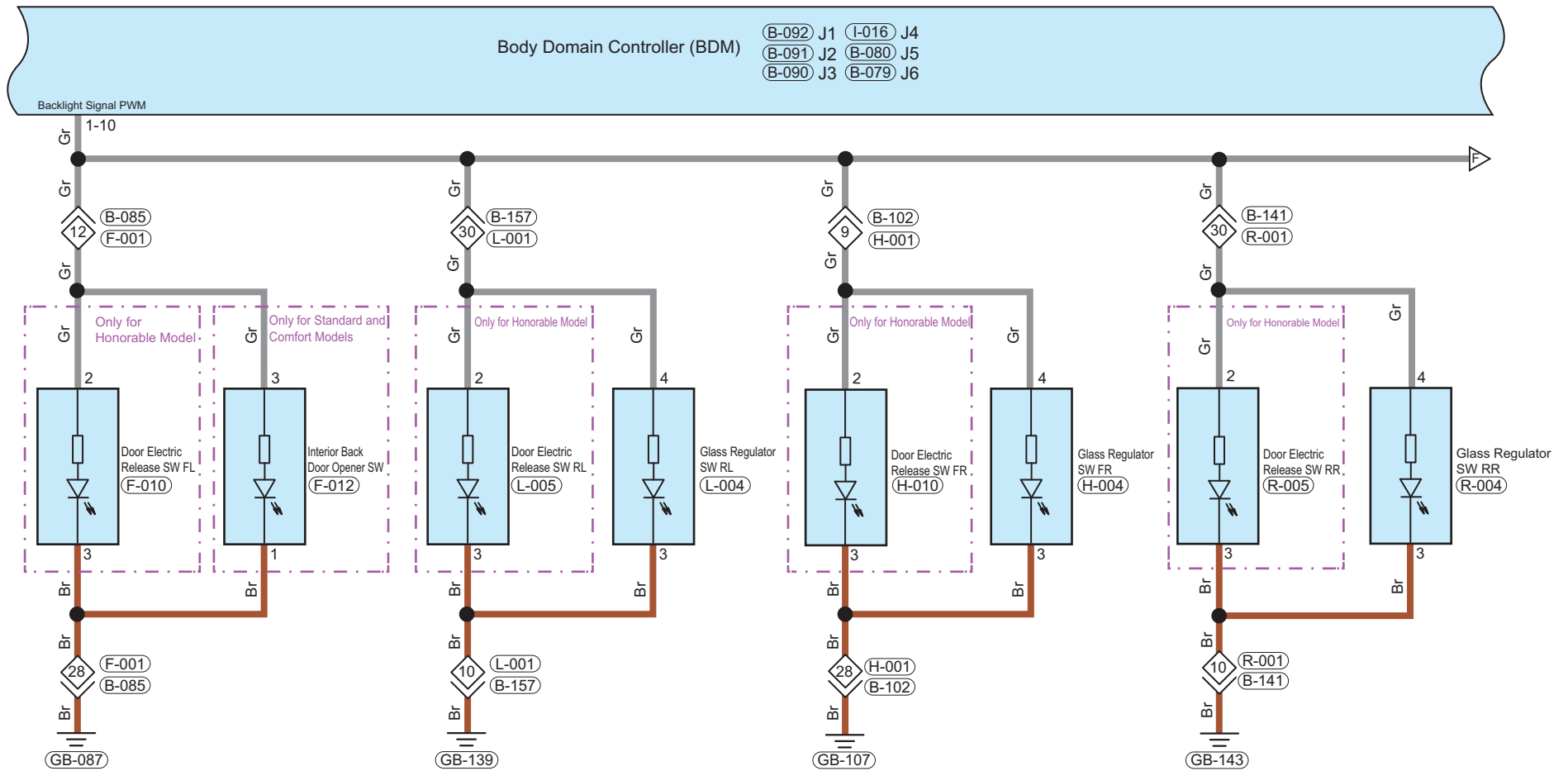
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Body Controller Module (BDM)



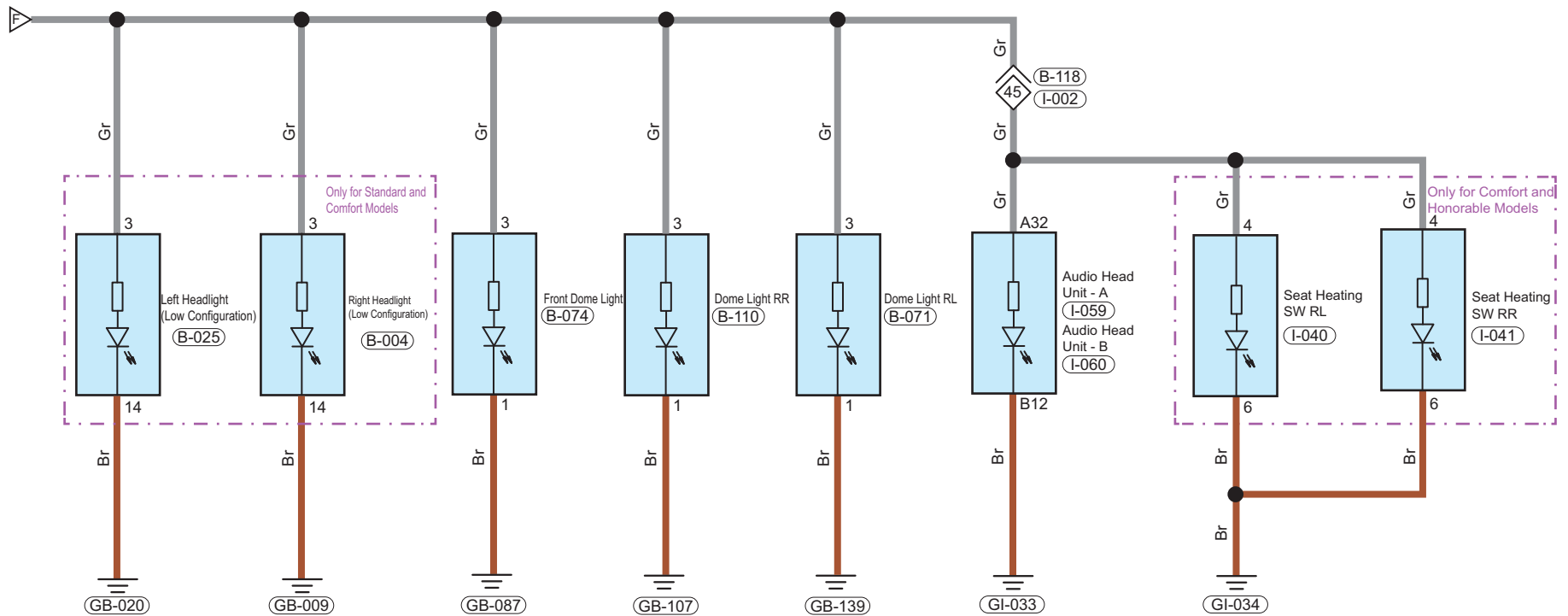
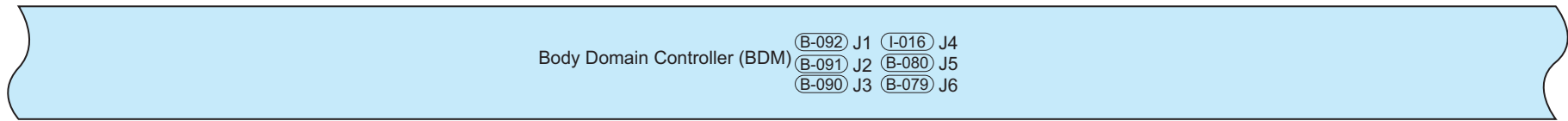
EWD043001

Body Controller Module (BDM)



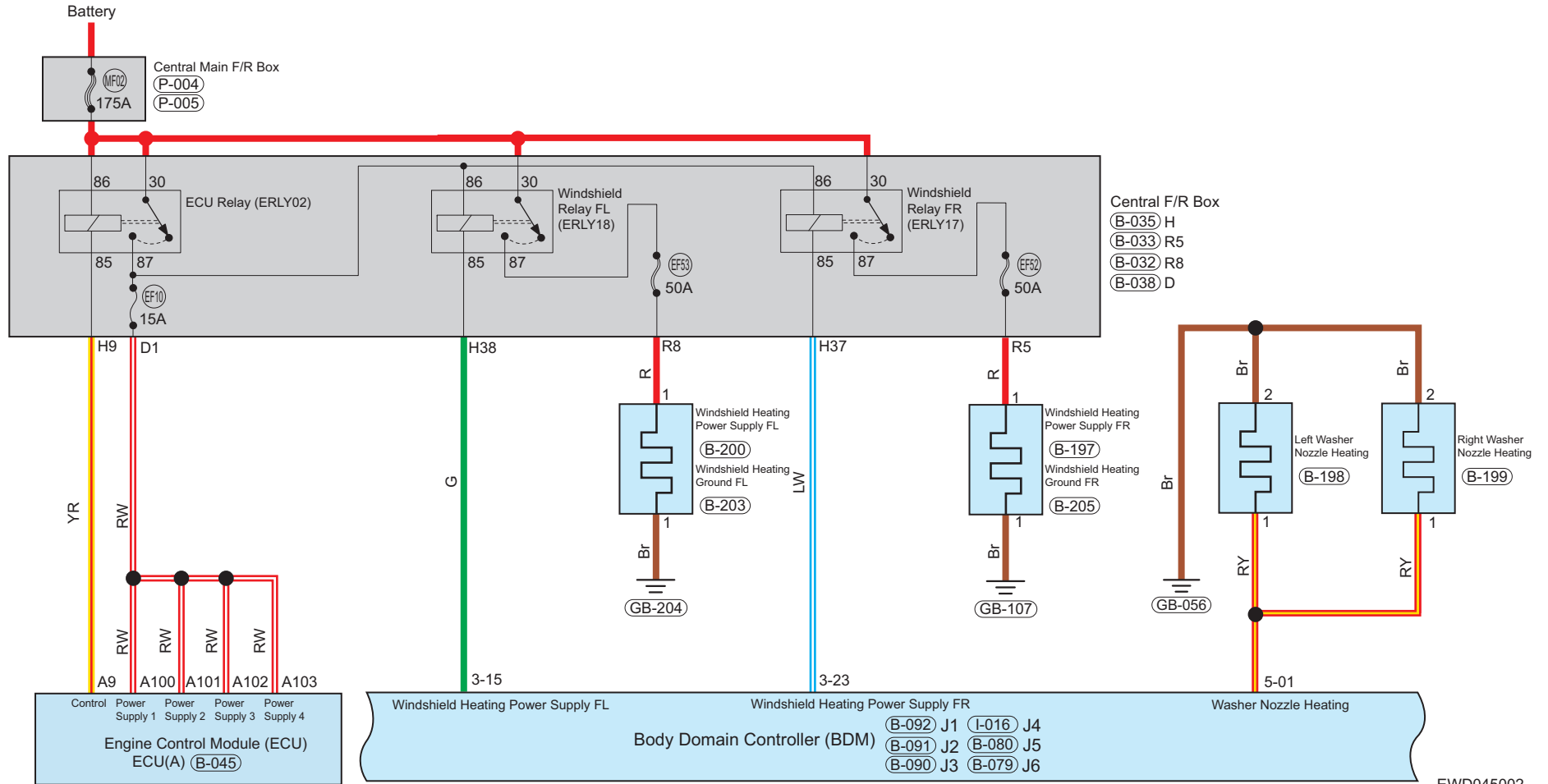
EWD044001

Body Controller Module (BDM)



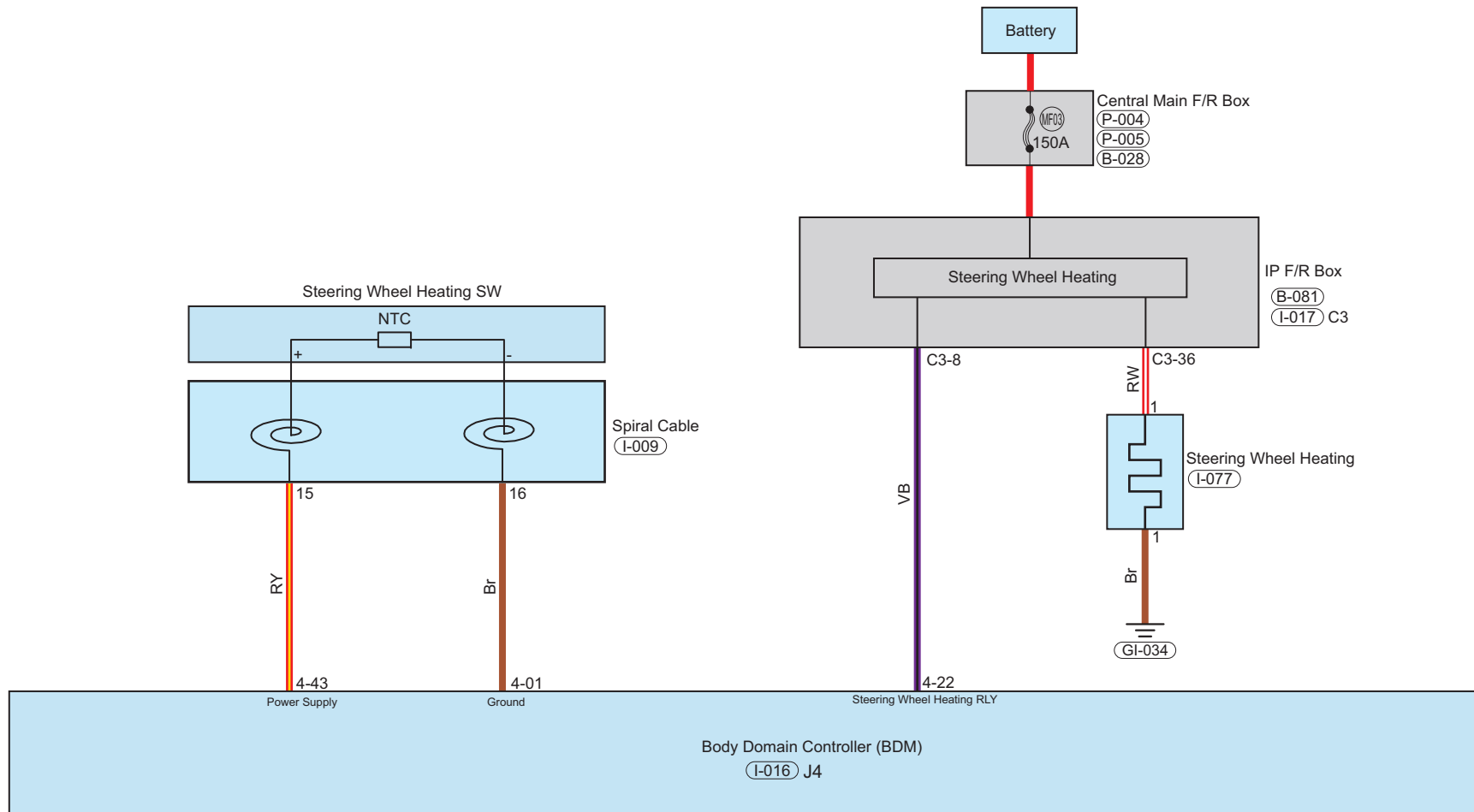
EWD045001

Body Controller Module (BDM)



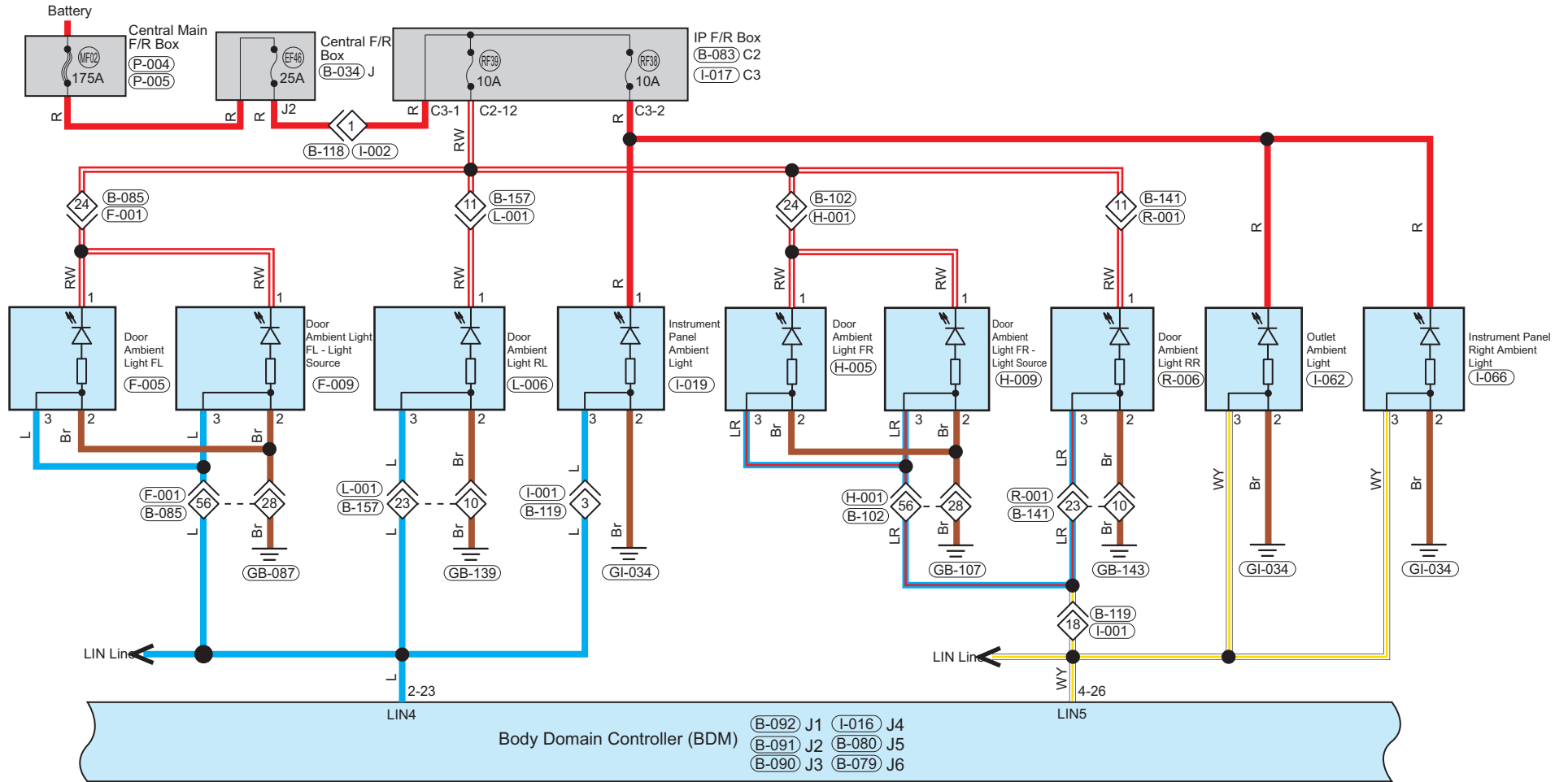
EWD045002

Body Controller Module (BDM)



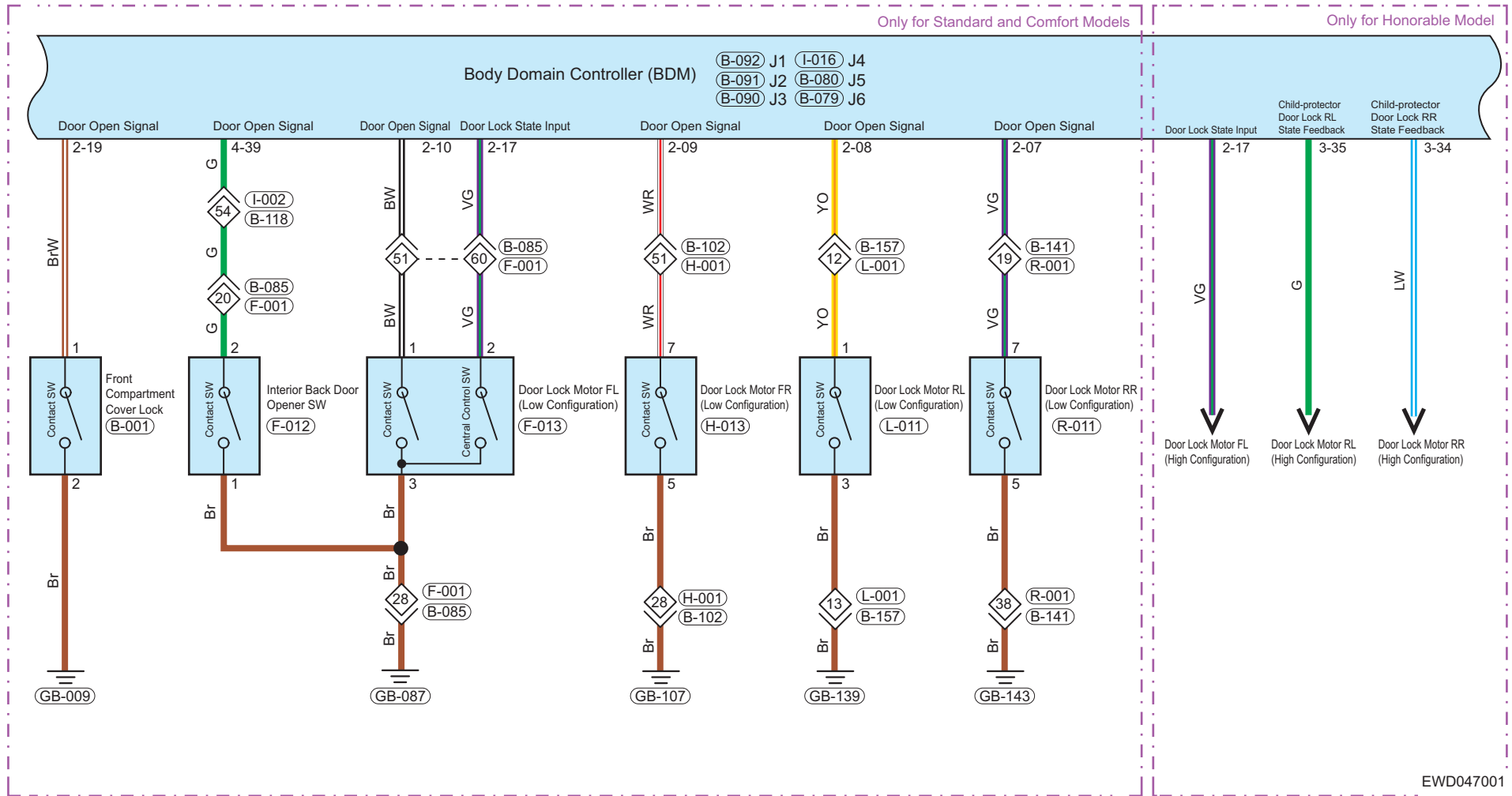
EWD045003

Body Controller Module (BDM)

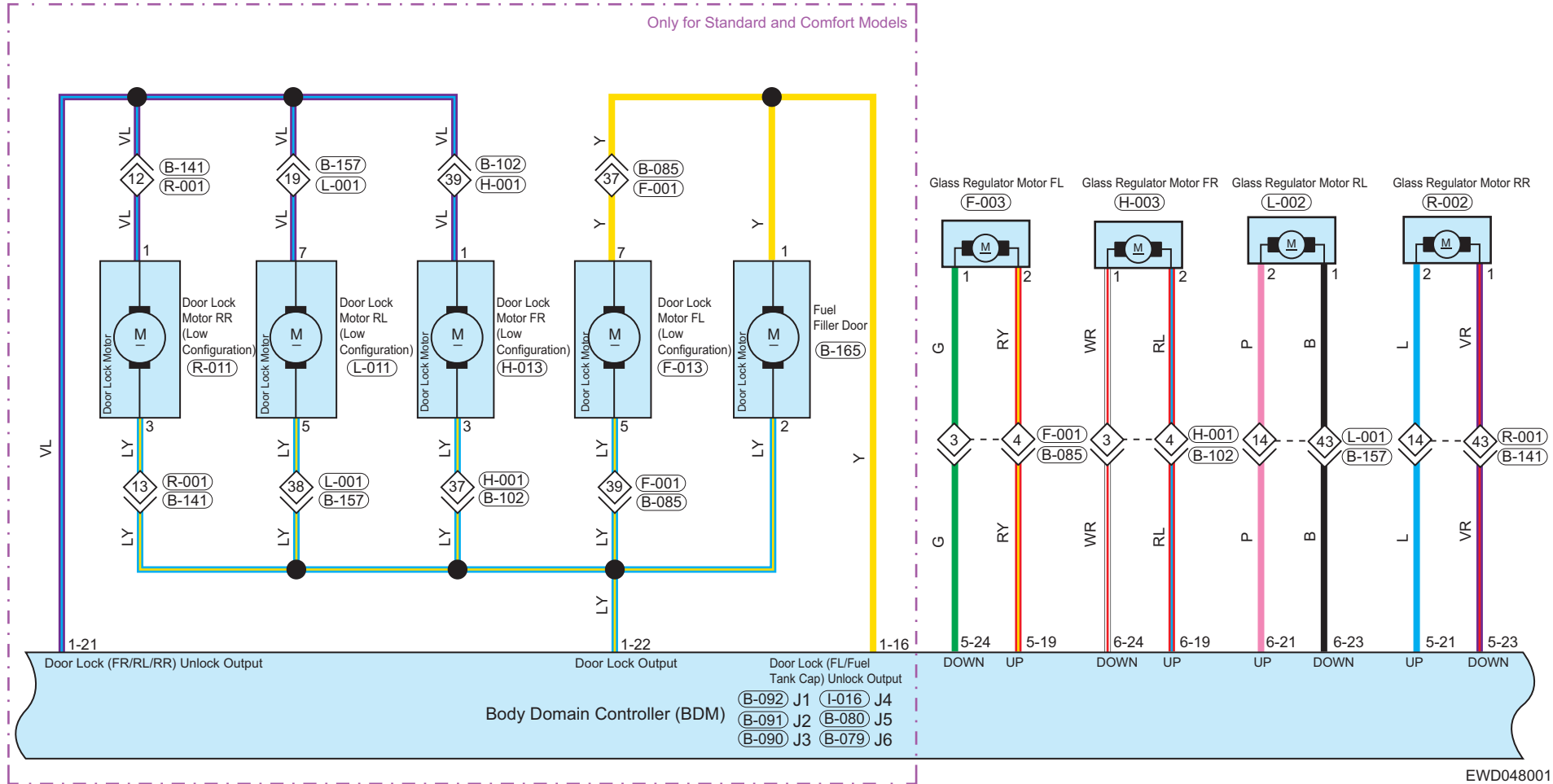


EWD046001

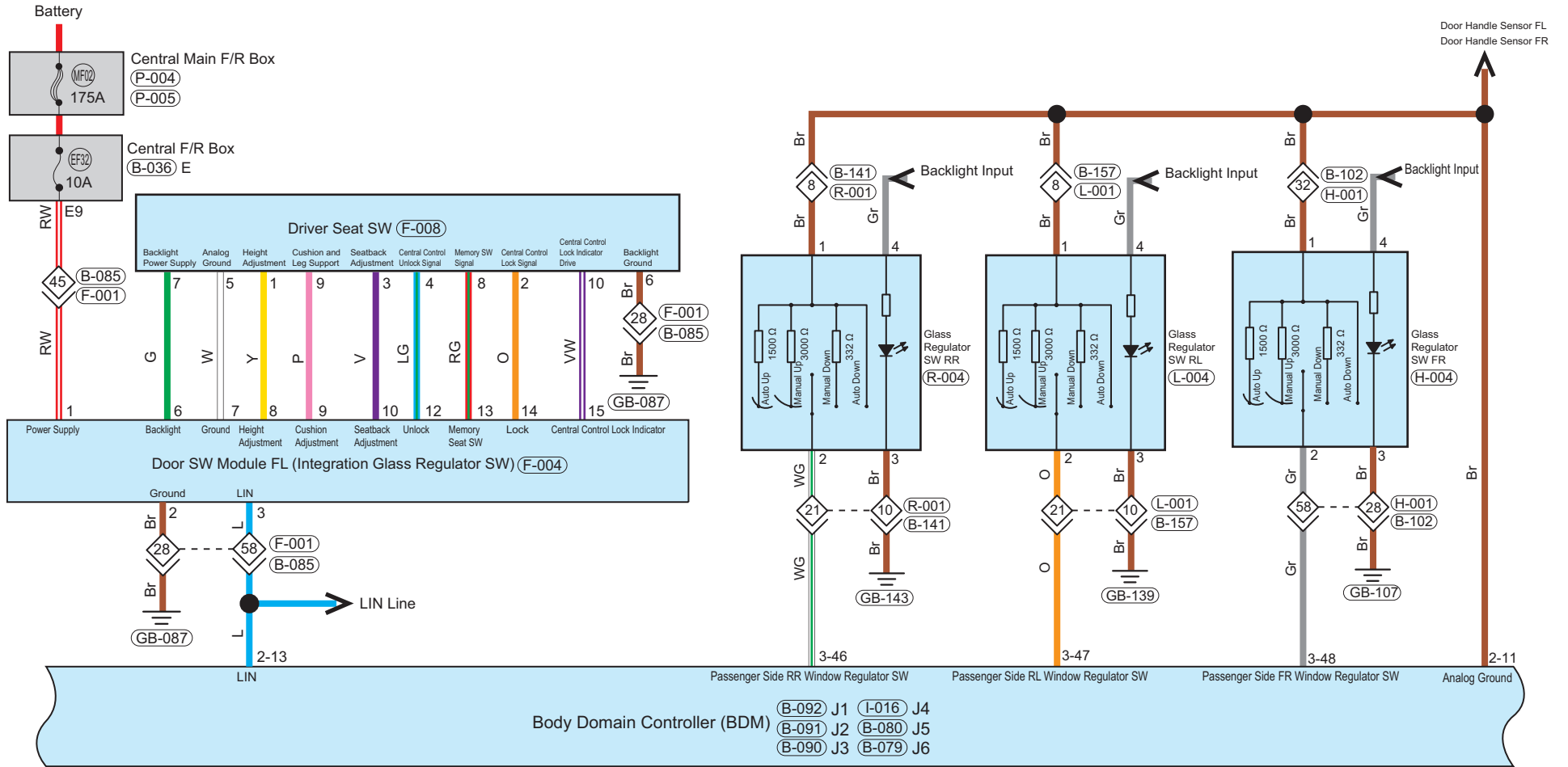
Body Controller Module (BDM)



Body Controller Module (BDM)

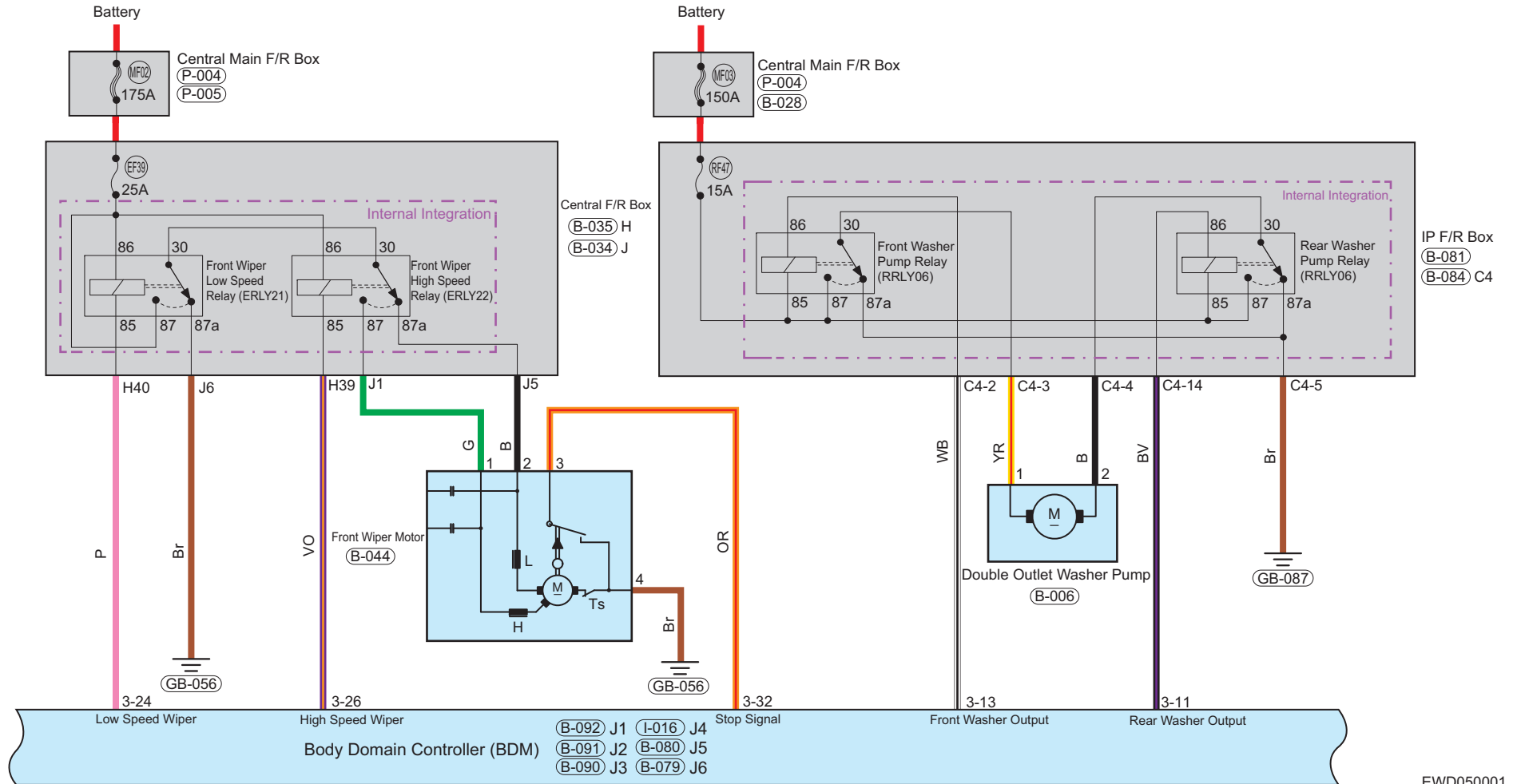


Body Controller Module (BDM)



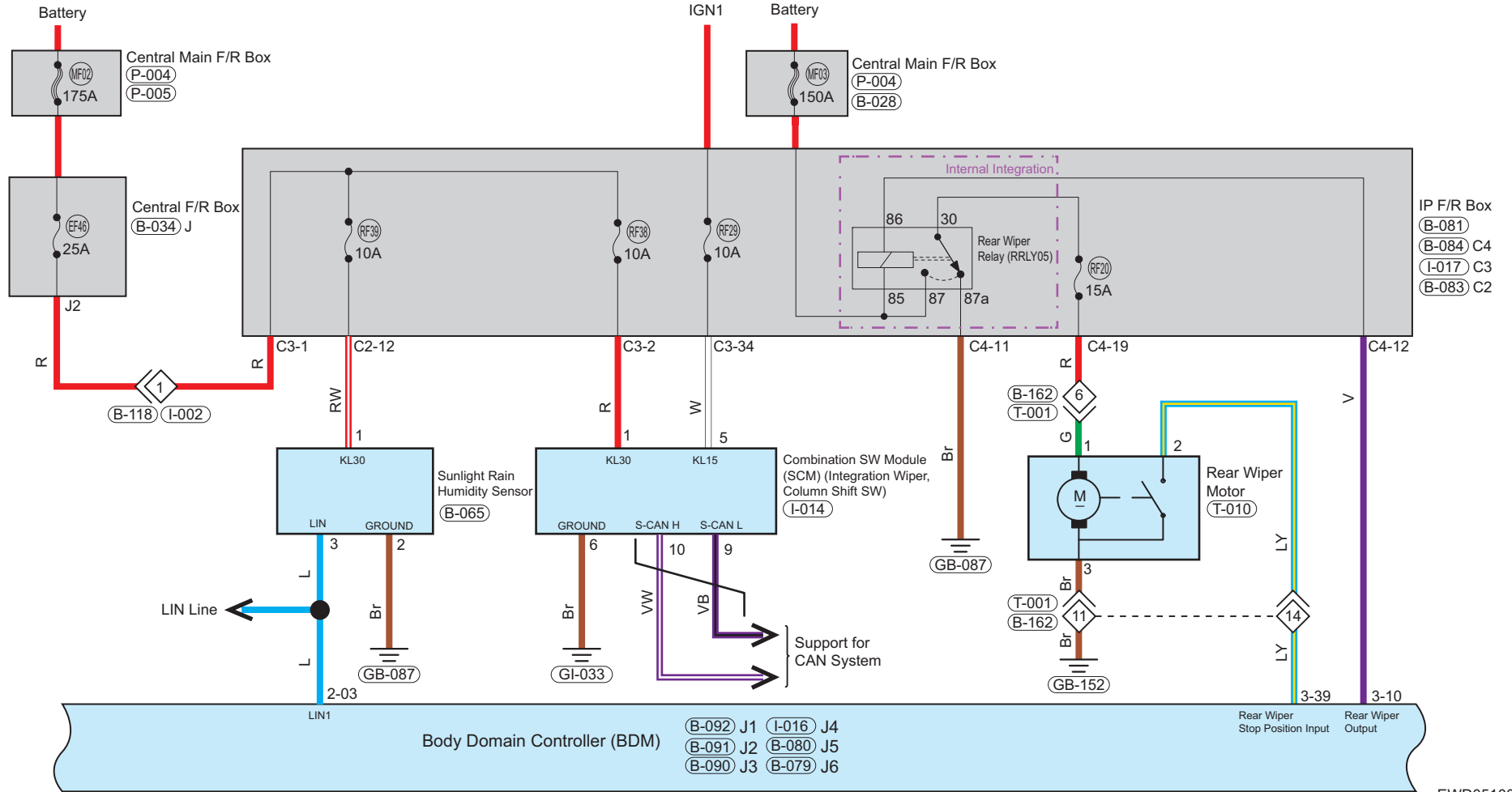
EWD049001

Body Controller Module (BDM)



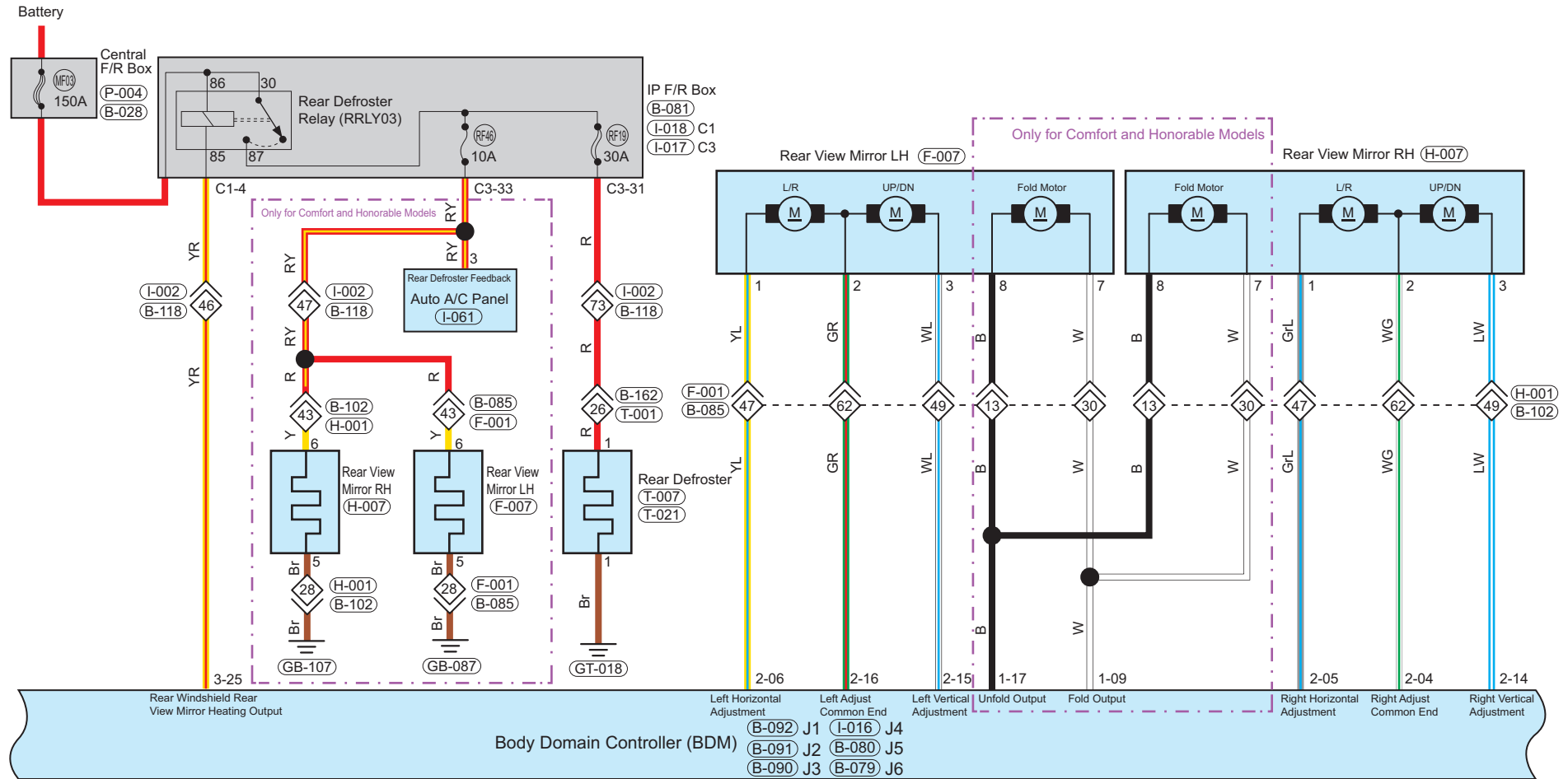
EWD050001

Body Controller Module (BDM)



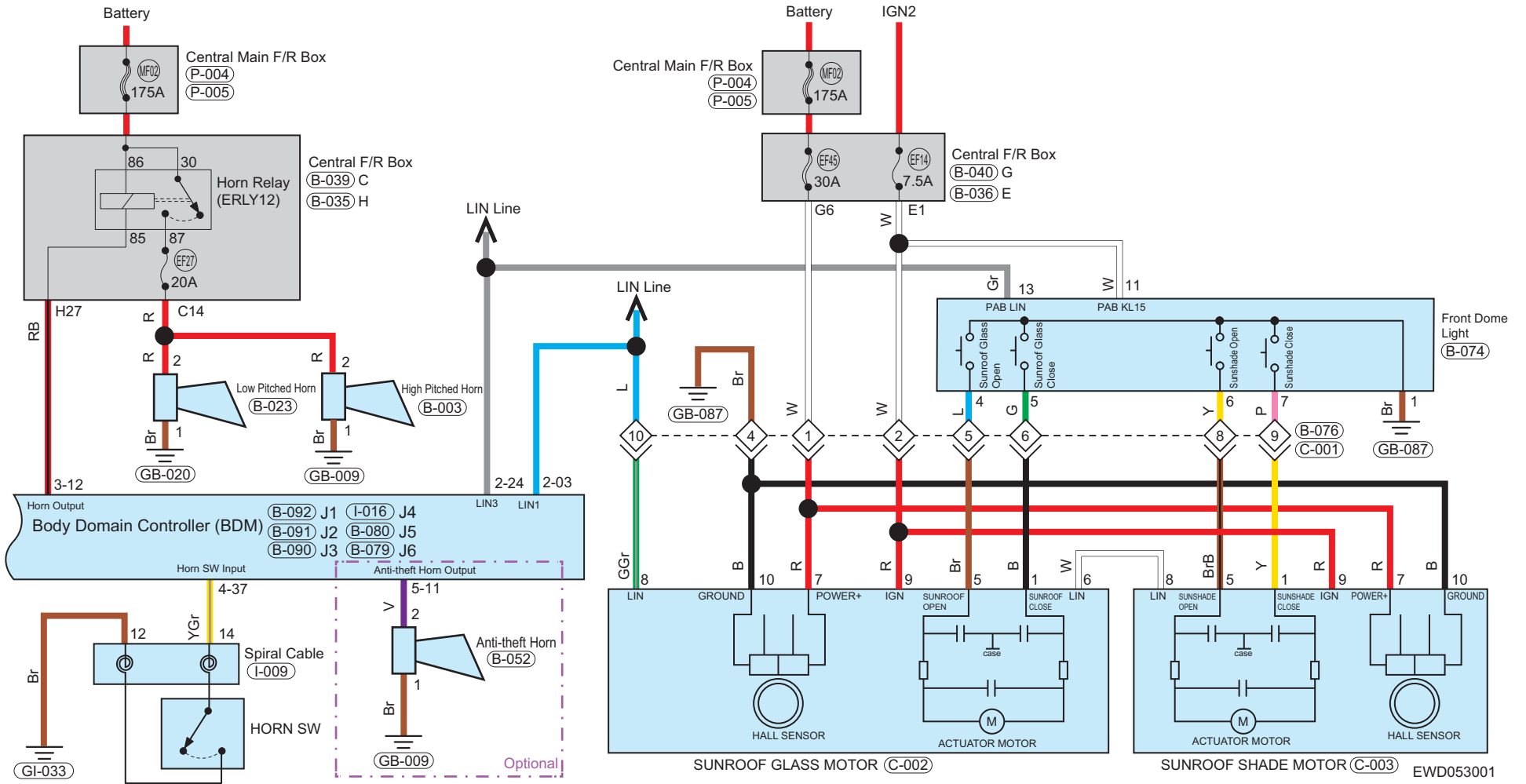
EWD051001

Body Controller Module (BDM)

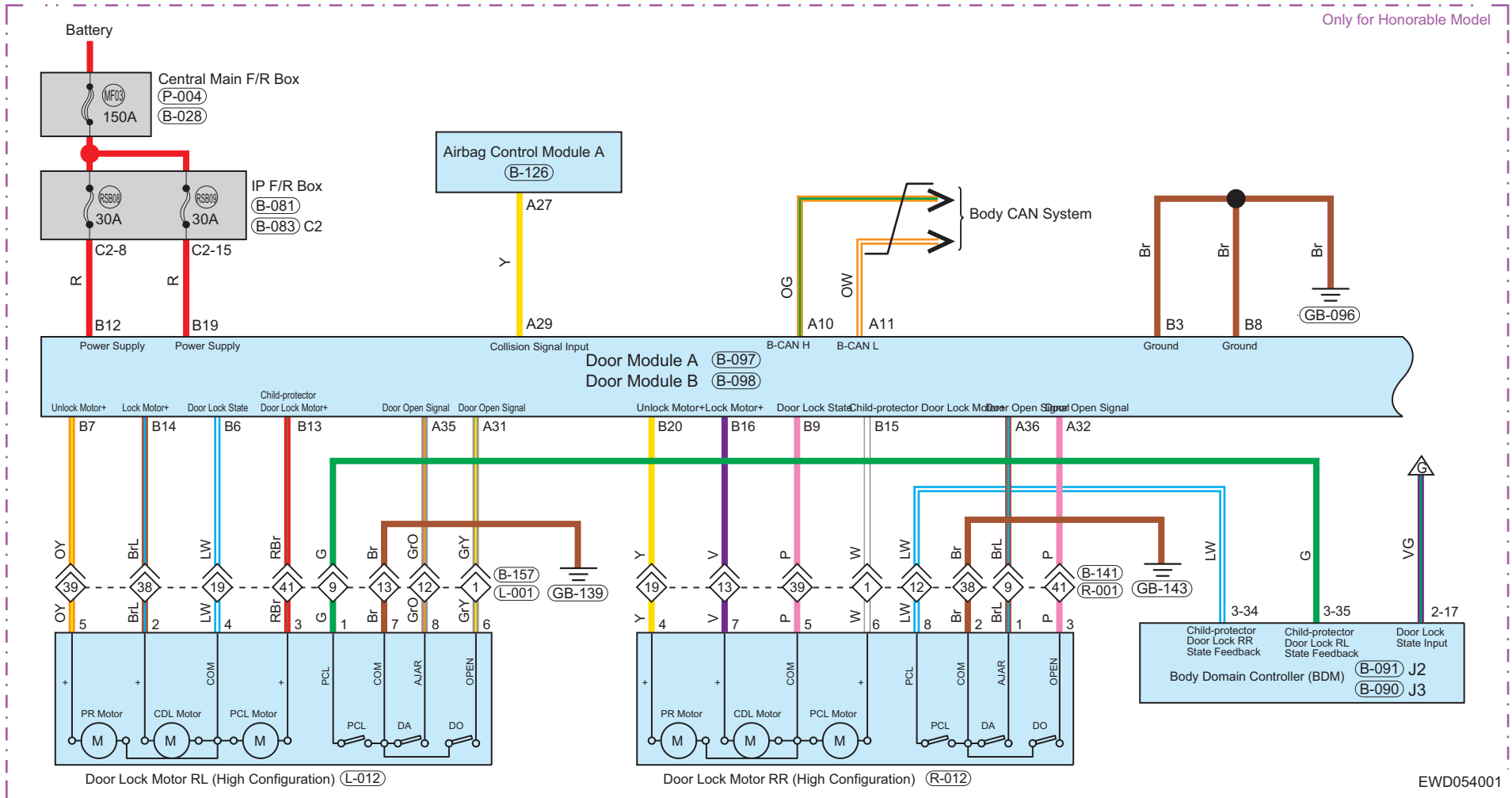


EWD052001

Body Controller Module (BDM)

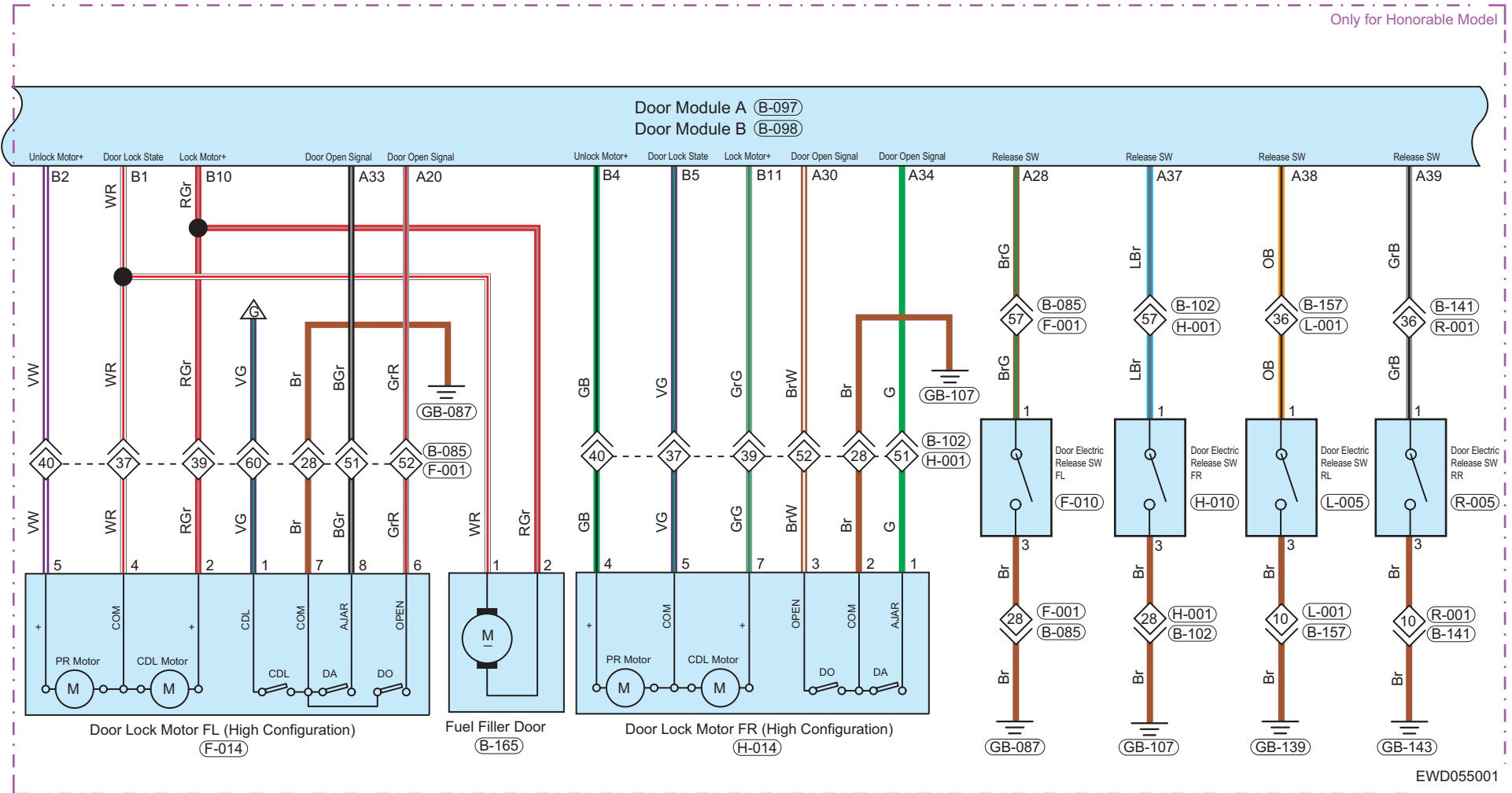


Door Control Module

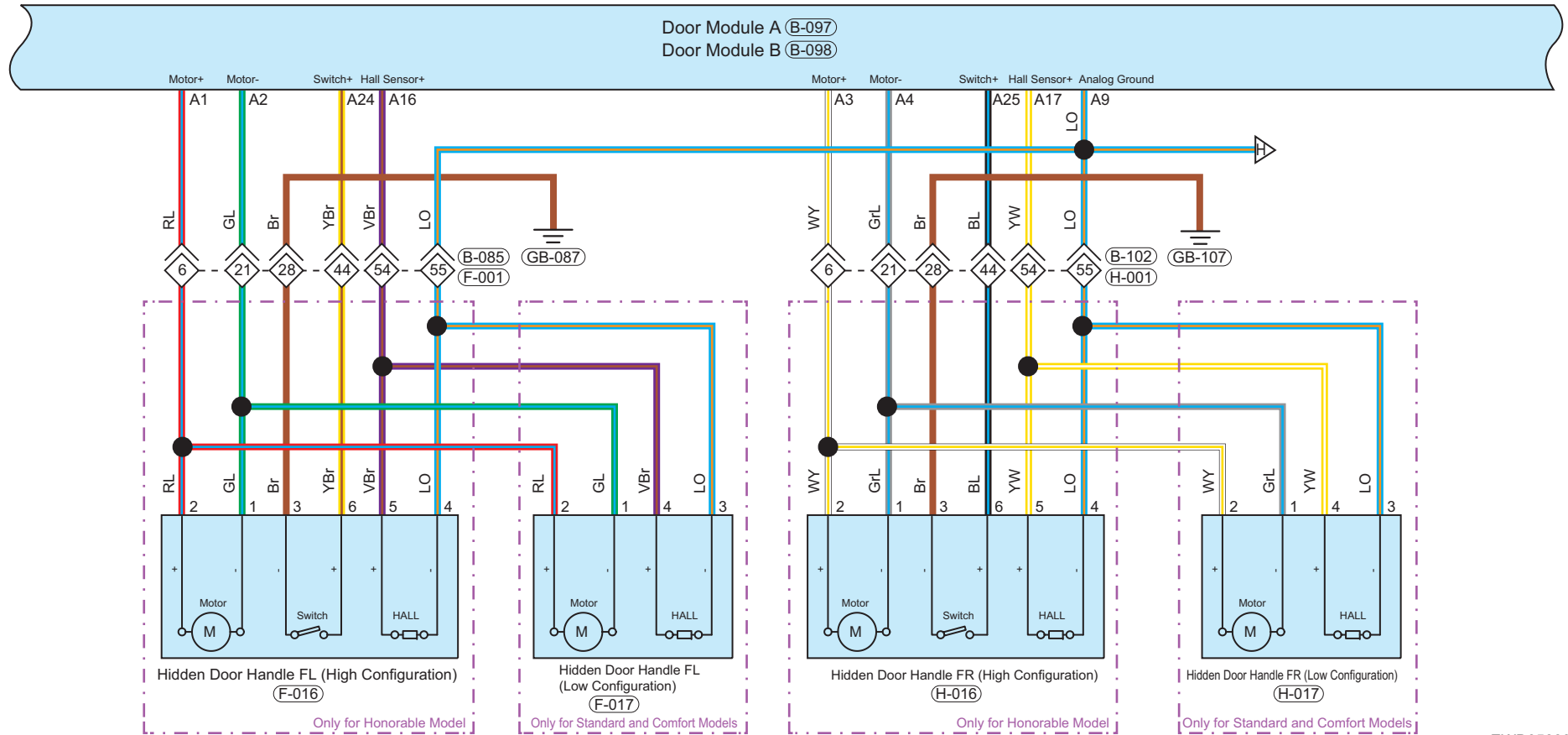


EWD054001

Door Control Module

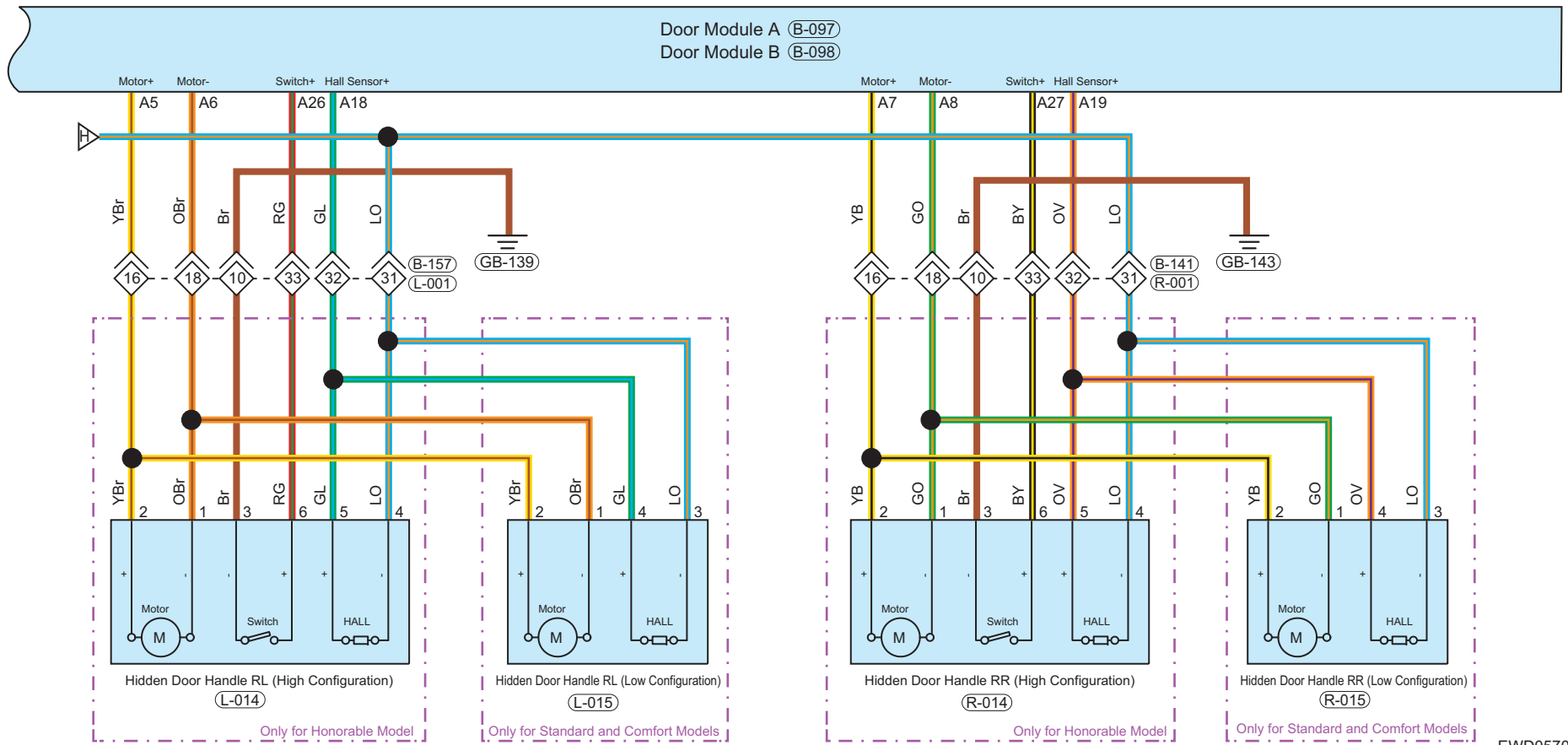


Door Control Module



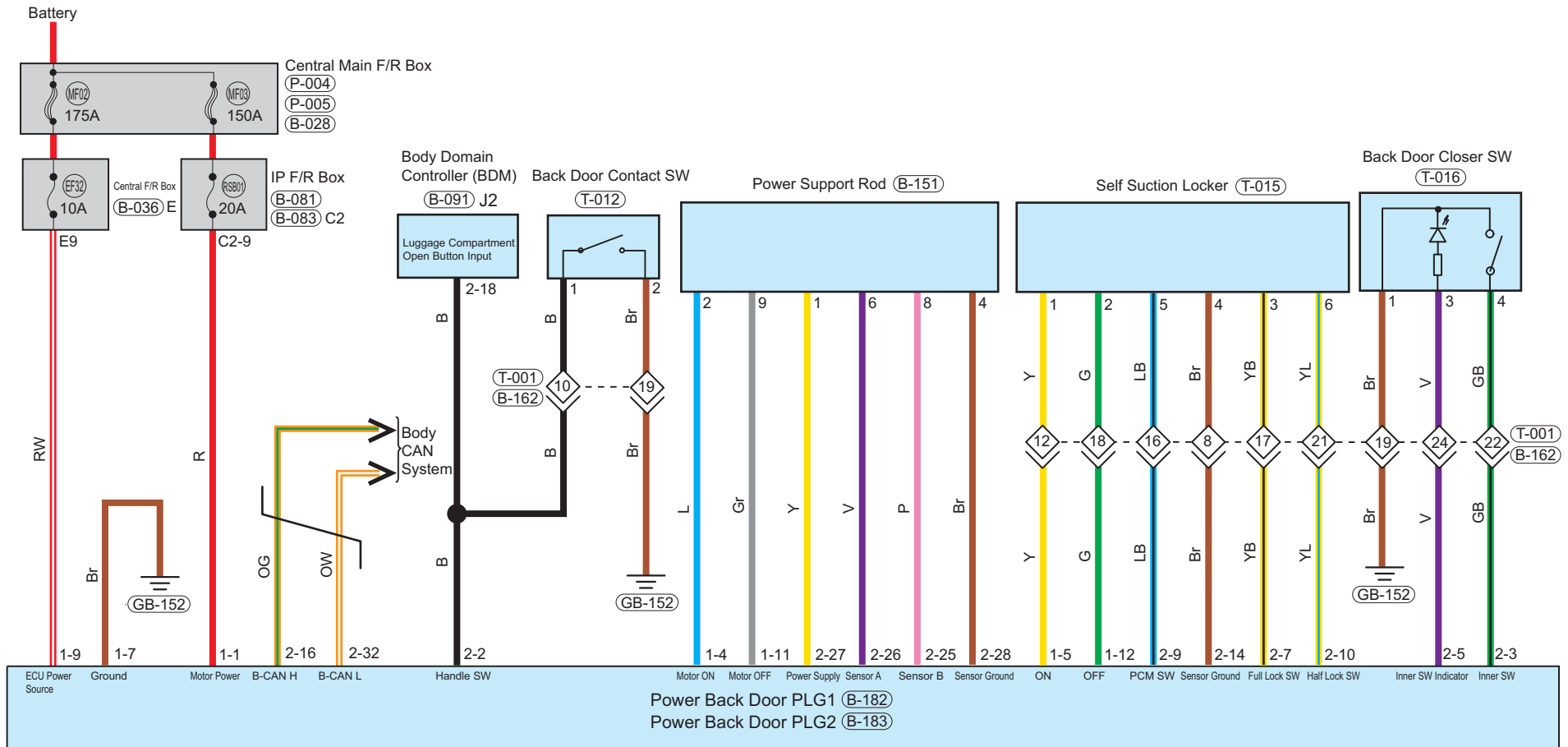
EWD056001

Door Control Module



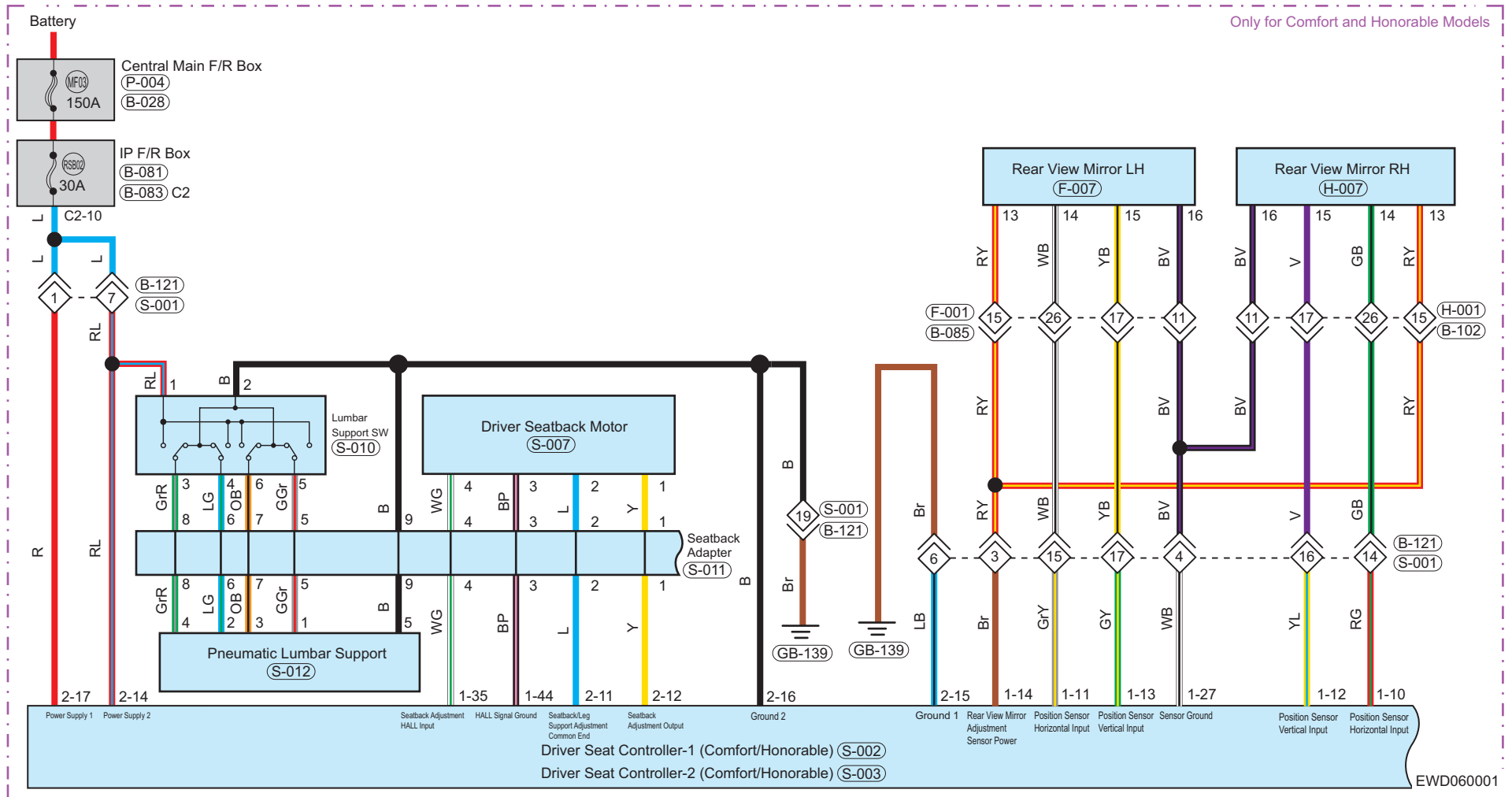
EWD057001

Power Back Door System (PLG)

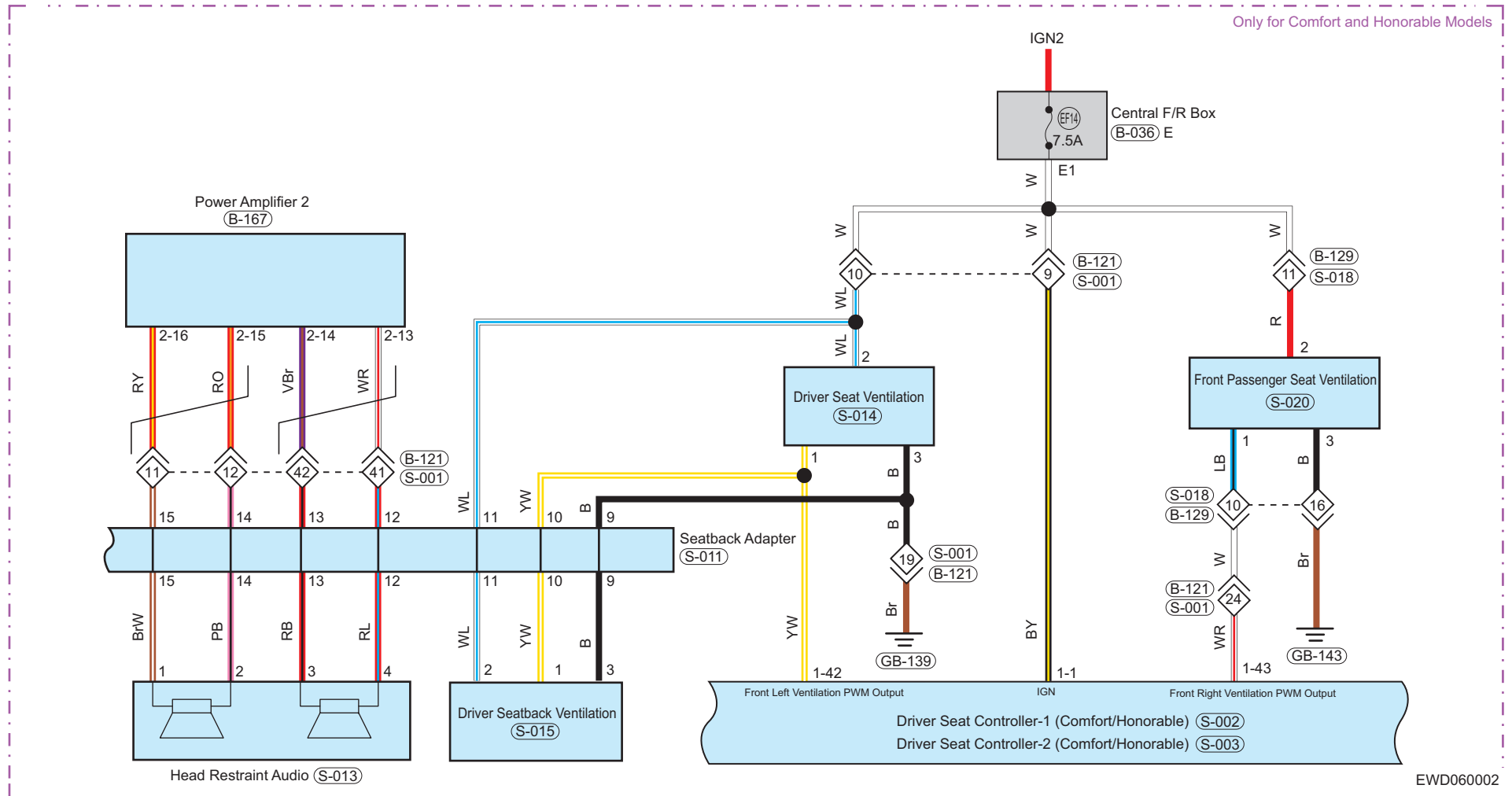


EWD058001

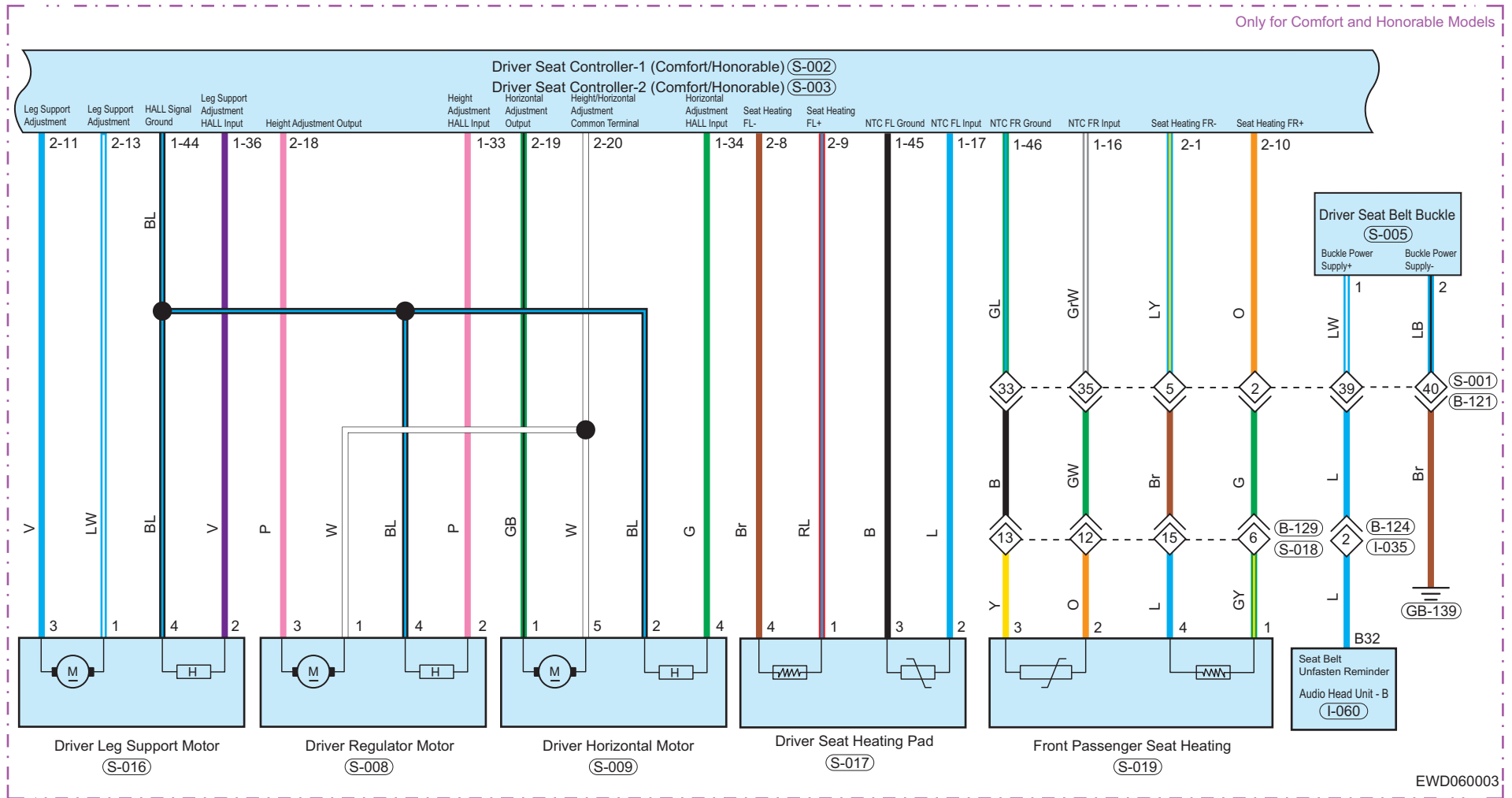
Driver Seat Control Module (SCU)



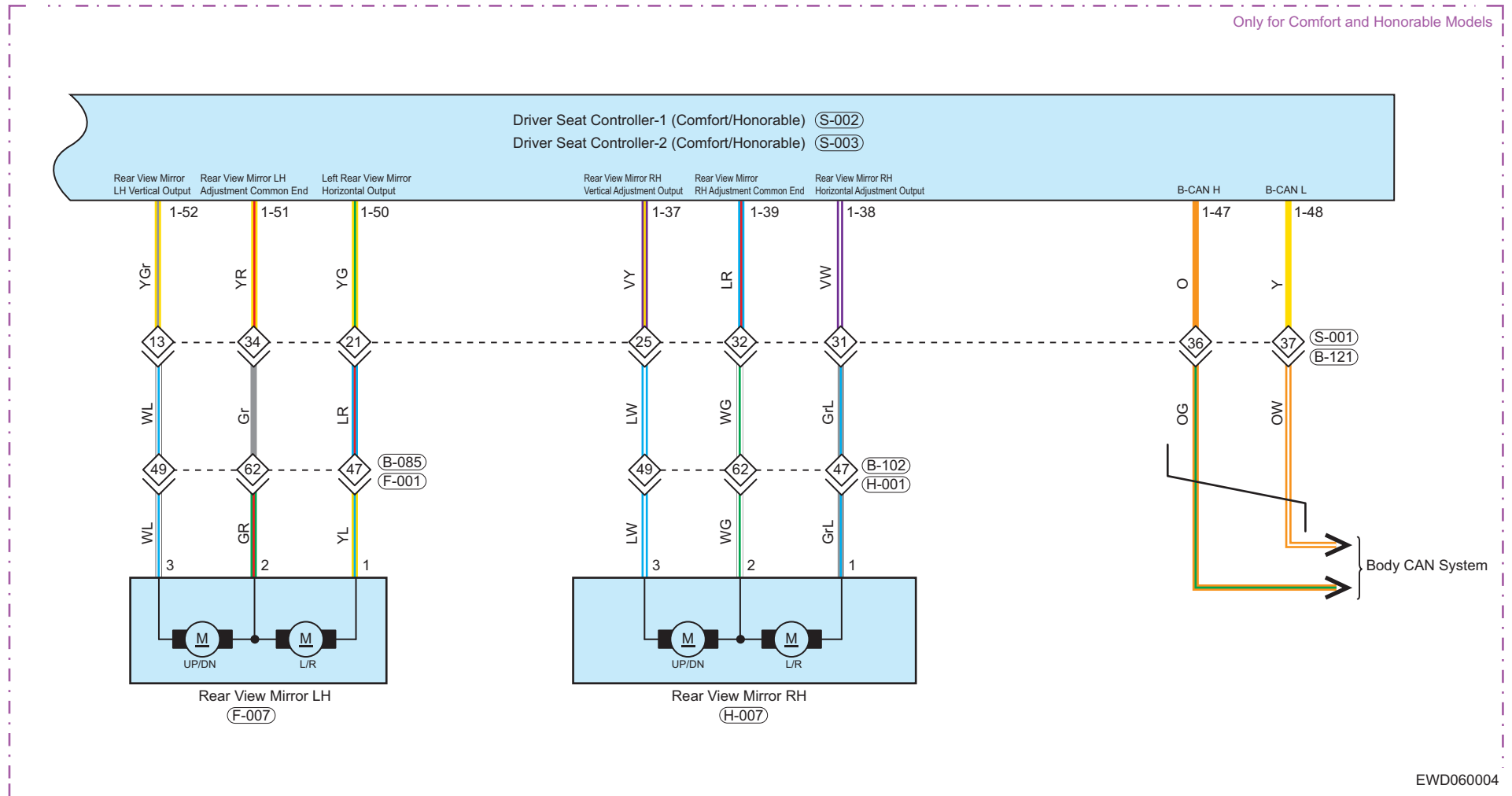
Driver Seat Control Module (SCU)



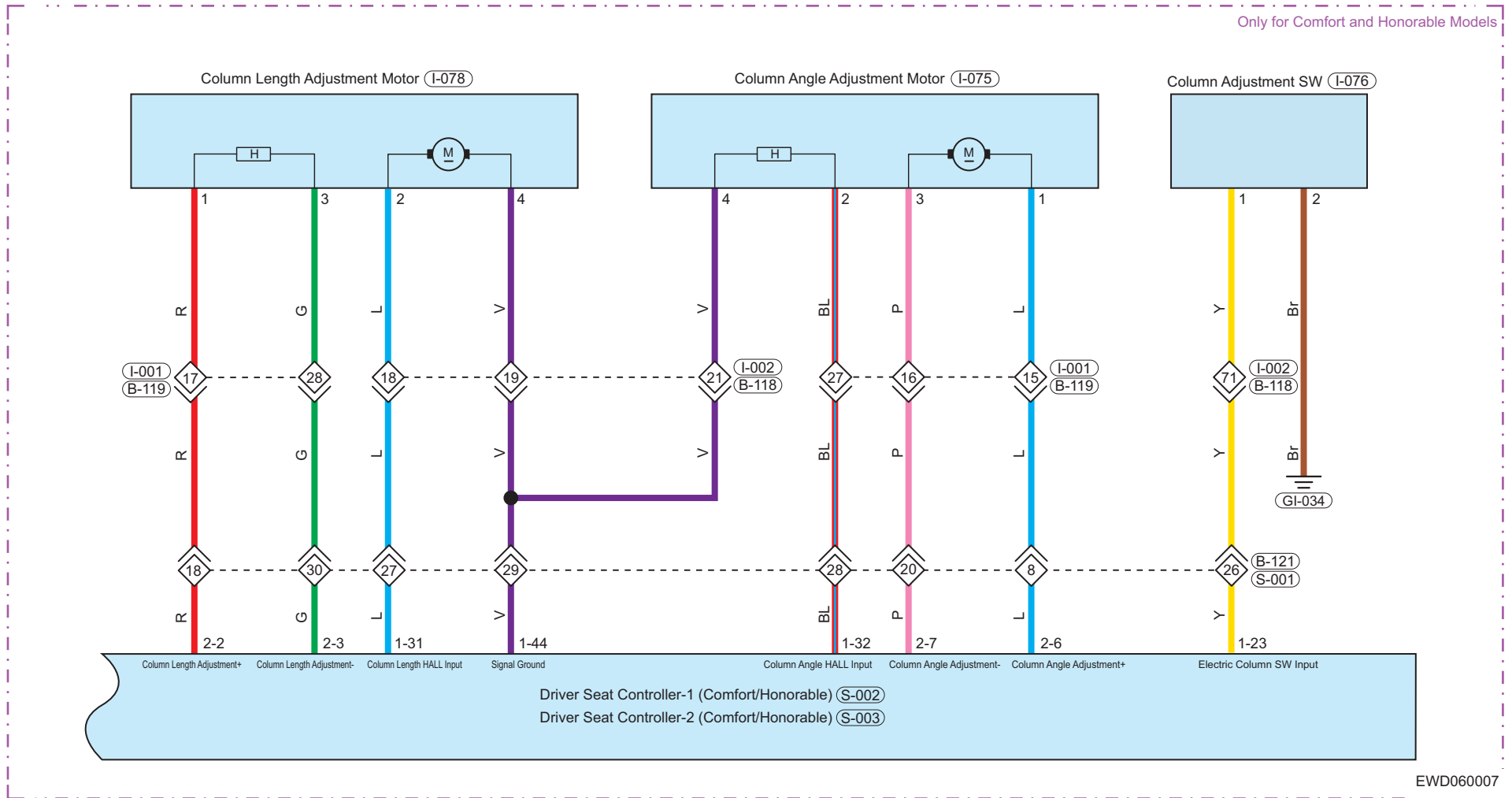
Driver Seat Control Module (SCU)



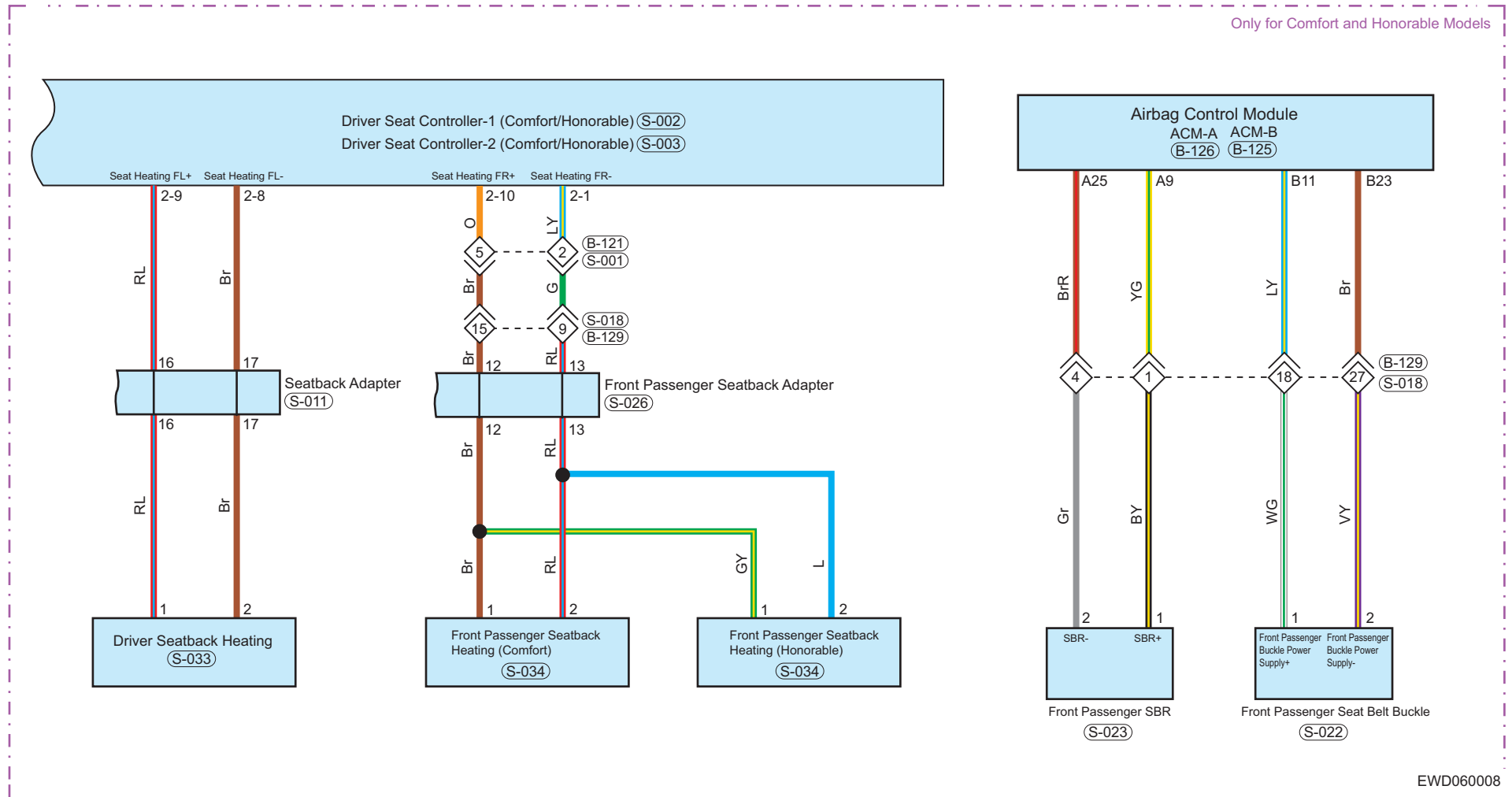
Driver Seat Control Module (SCU)



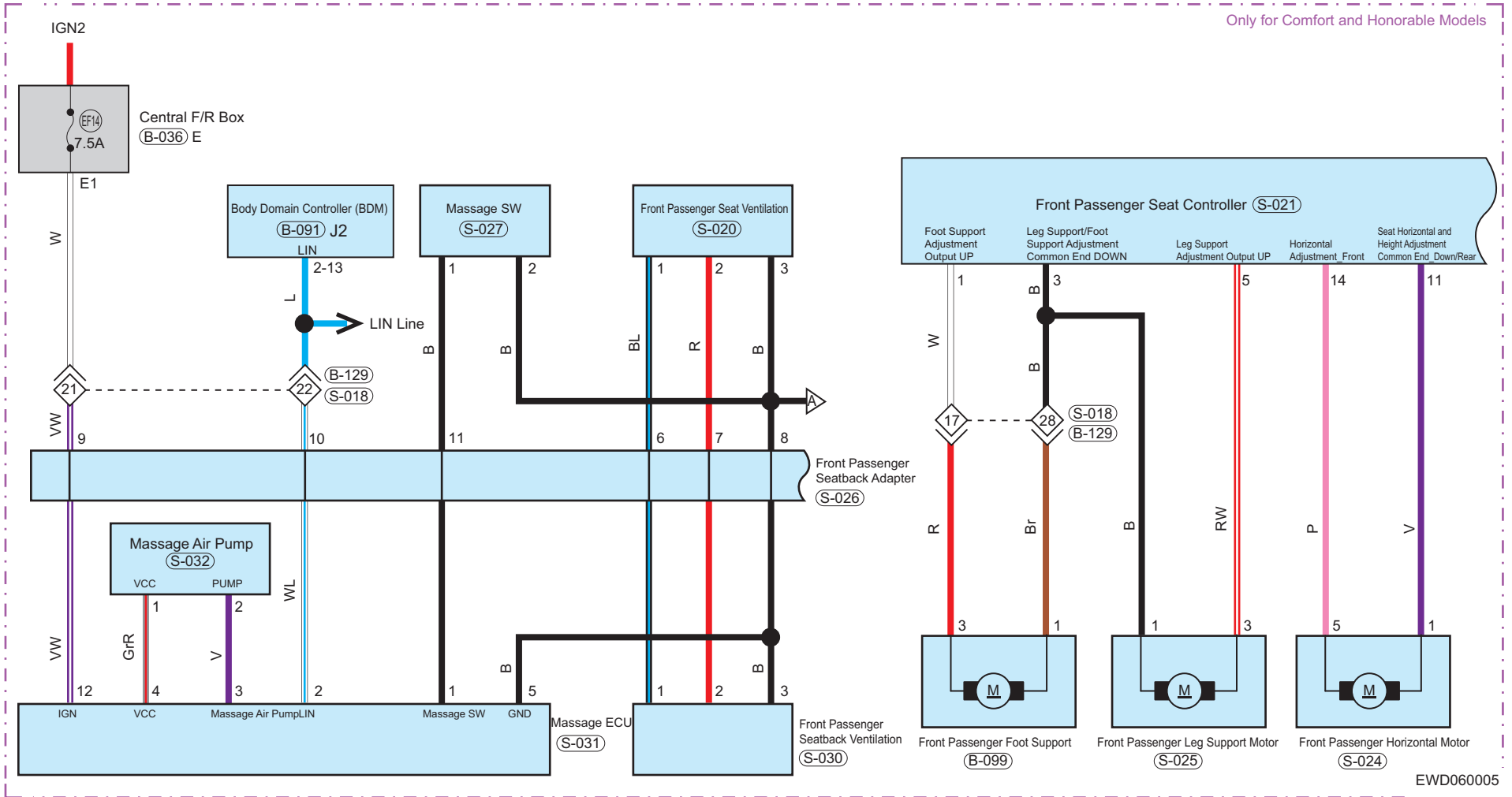
Driver Seat Control Module (SCU)



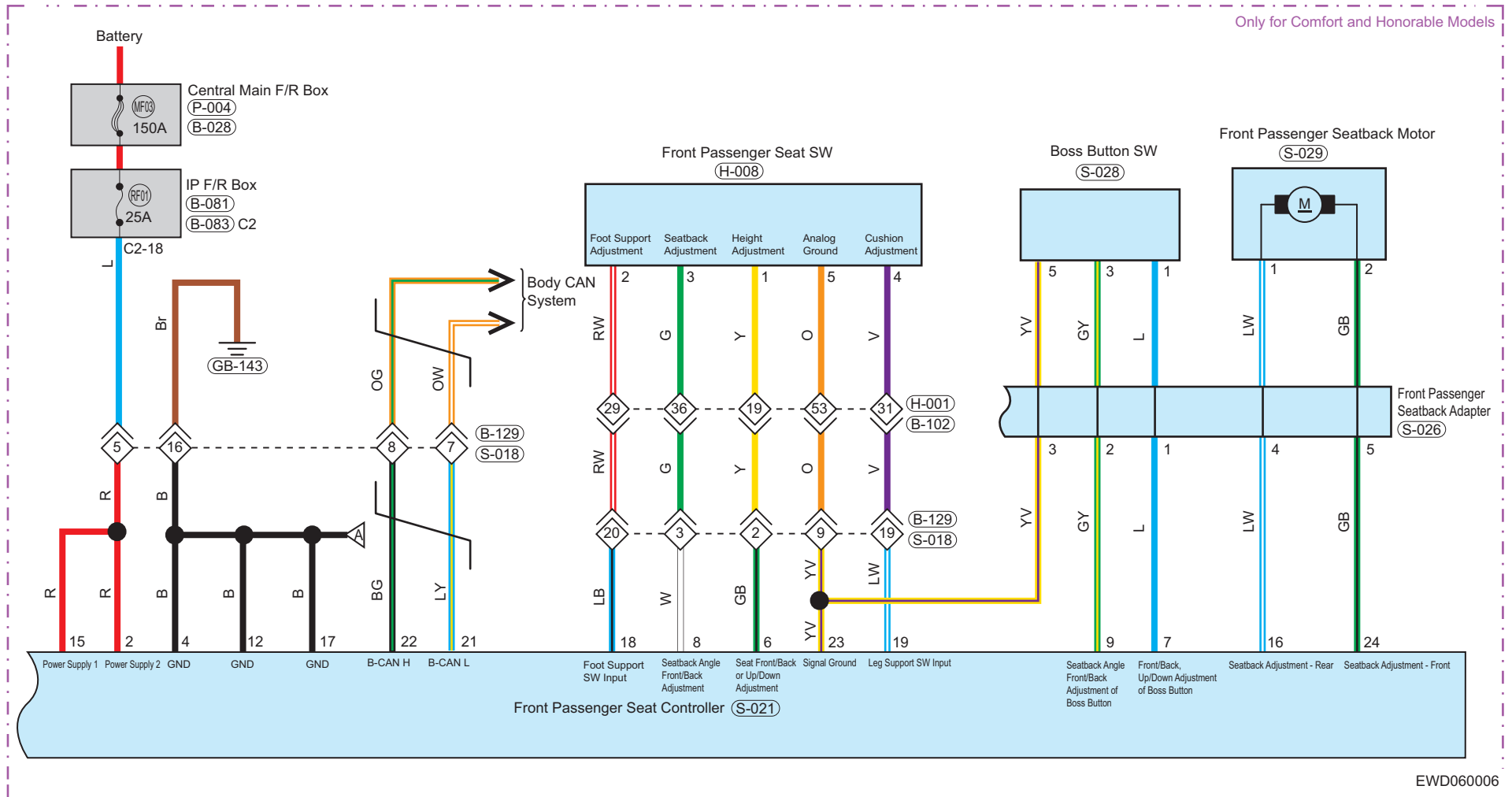
Driver Seat Control Module (SCU)



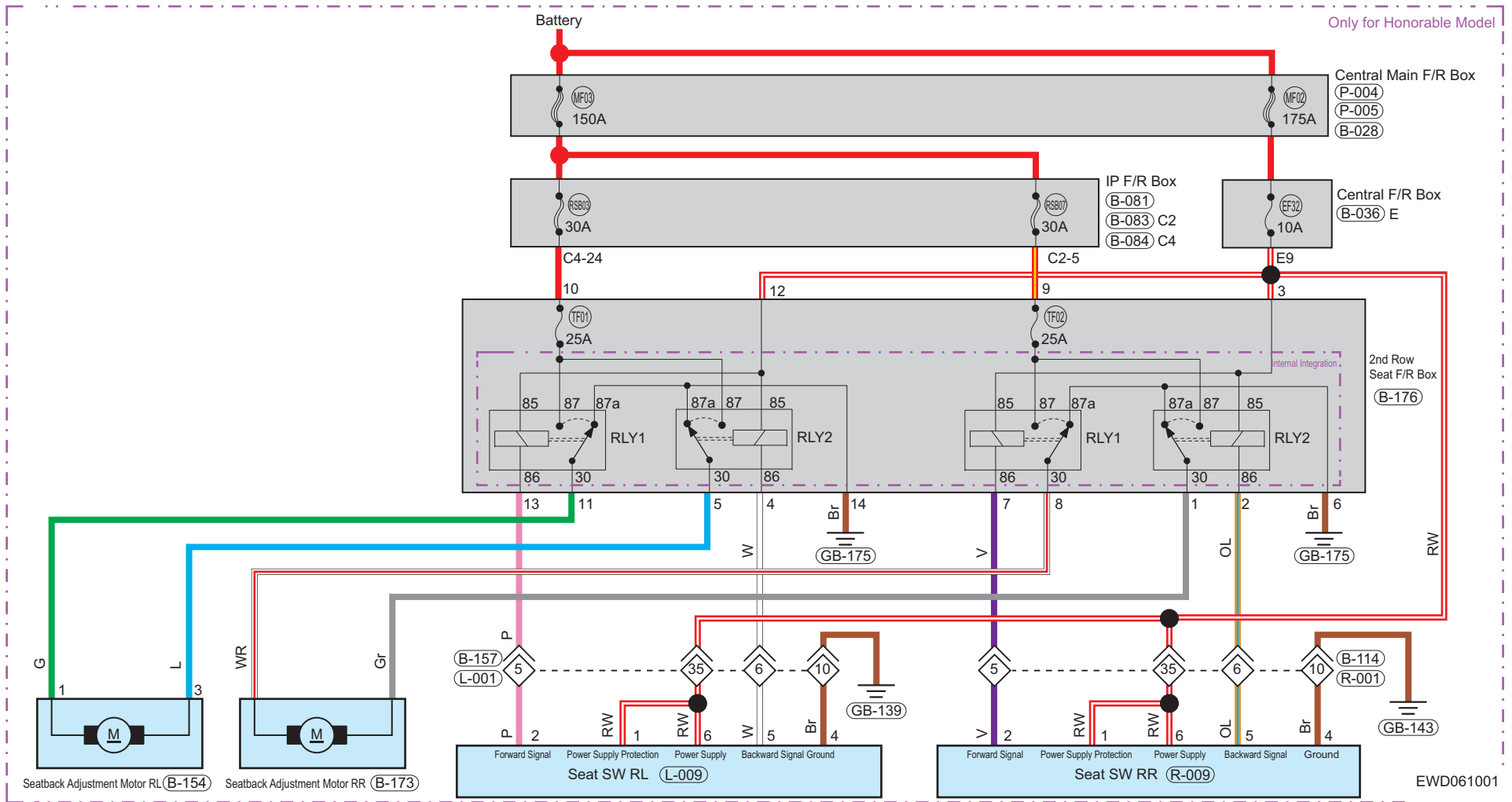
Front Passenger Seat Control Module (SCU)



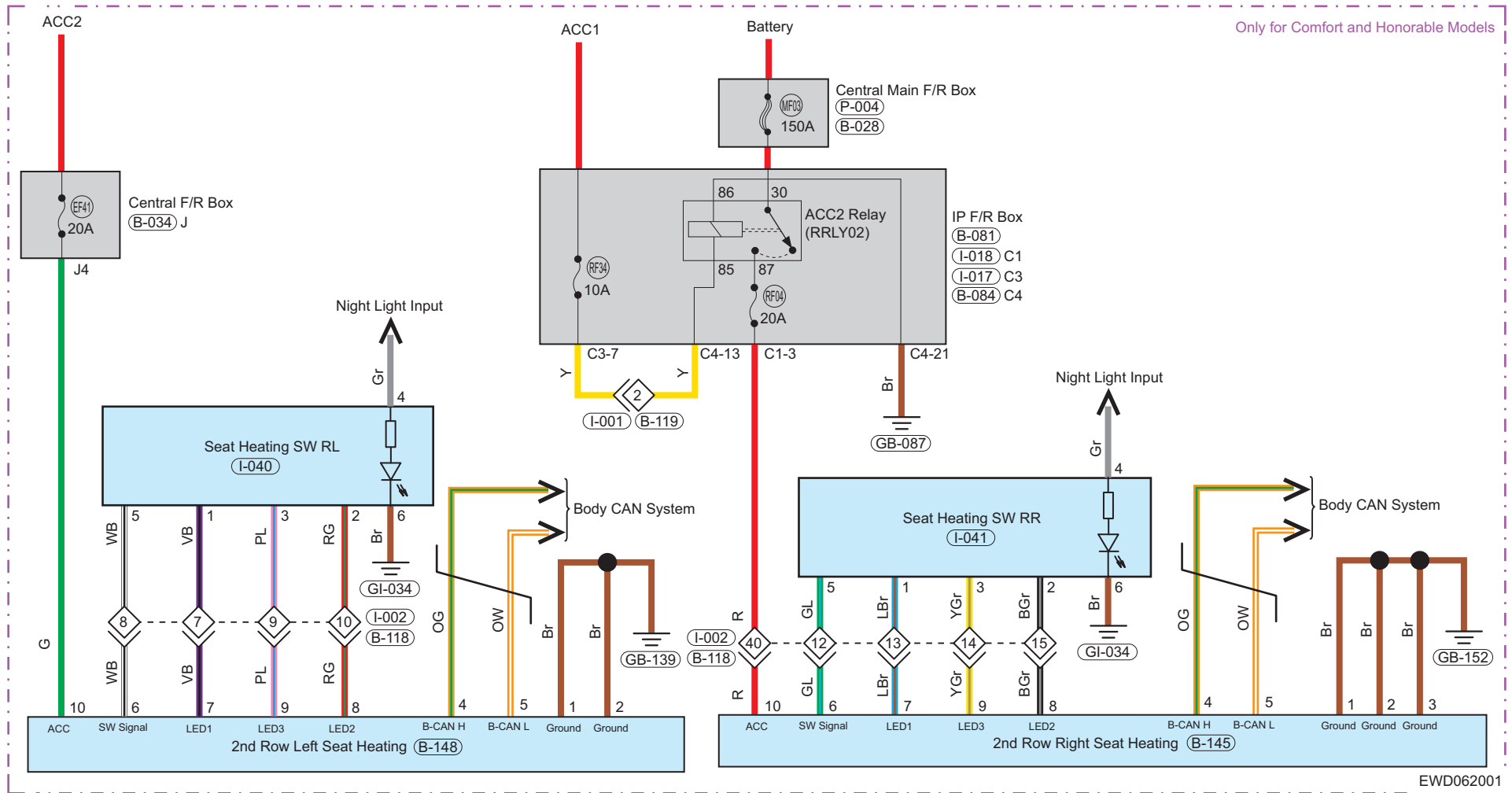
Front Passenger Seat Control Module (SCU)



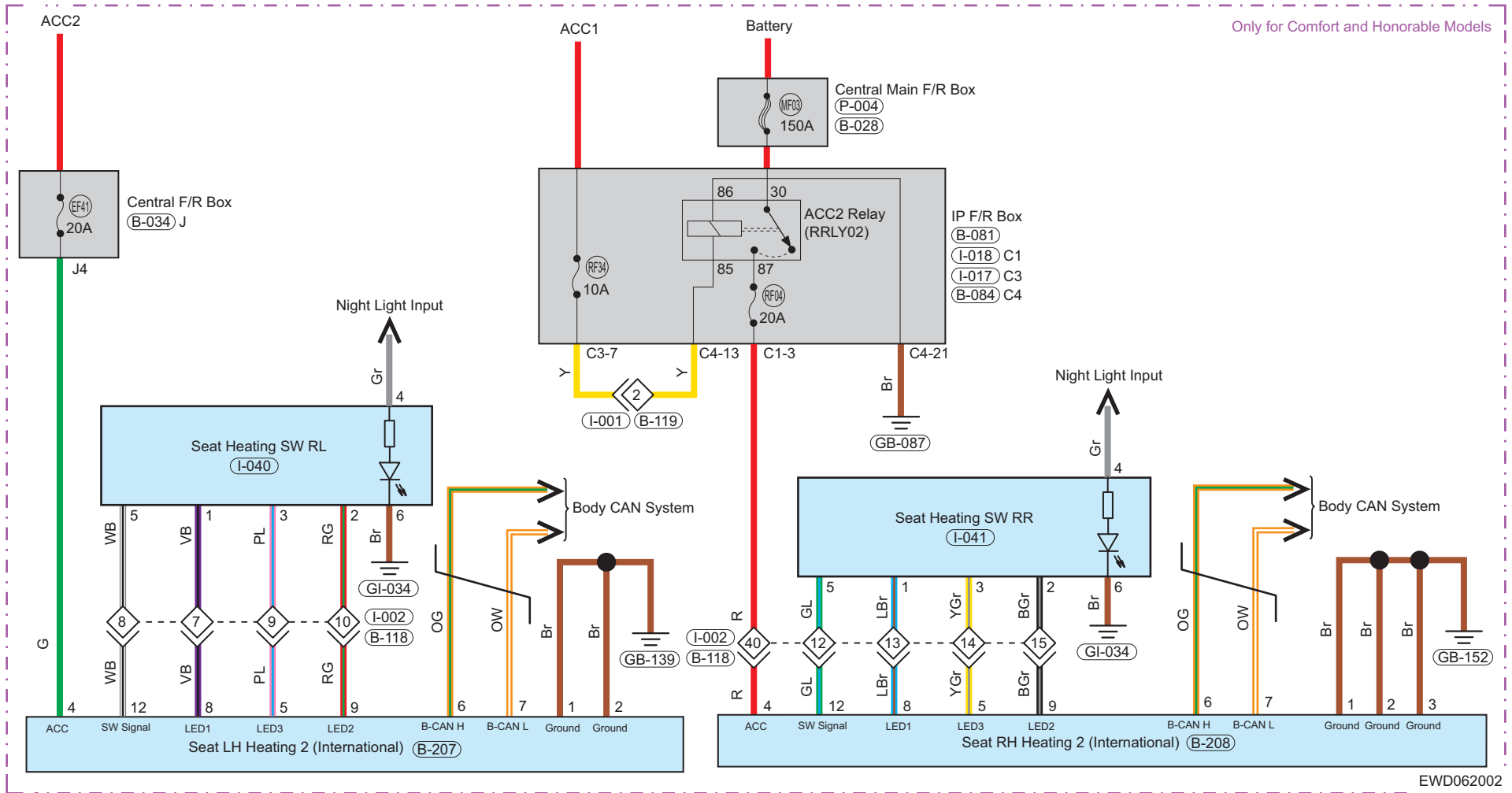
2nd Row Seat Control



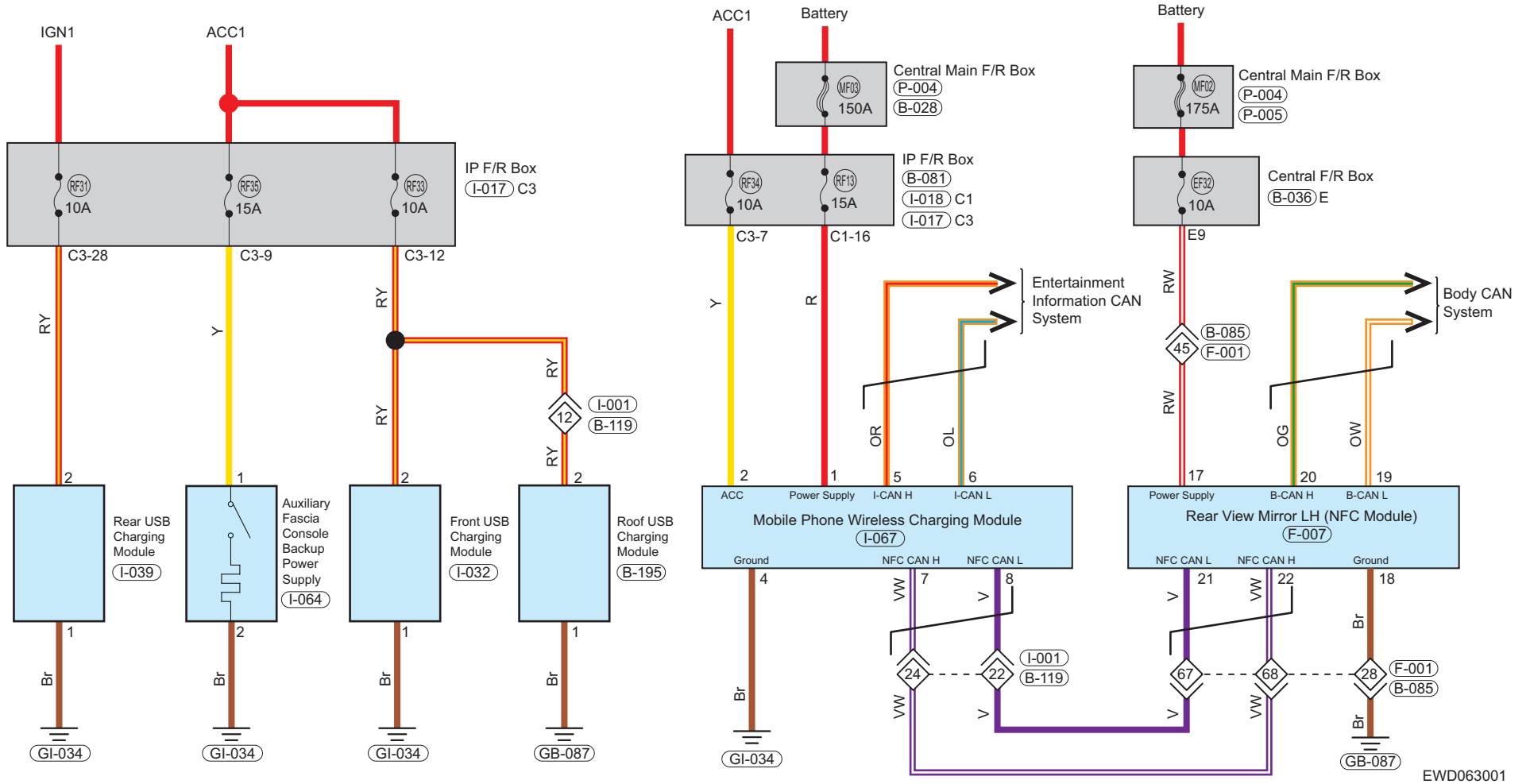
2nd Row Seat Control



2nd Row Seat Control

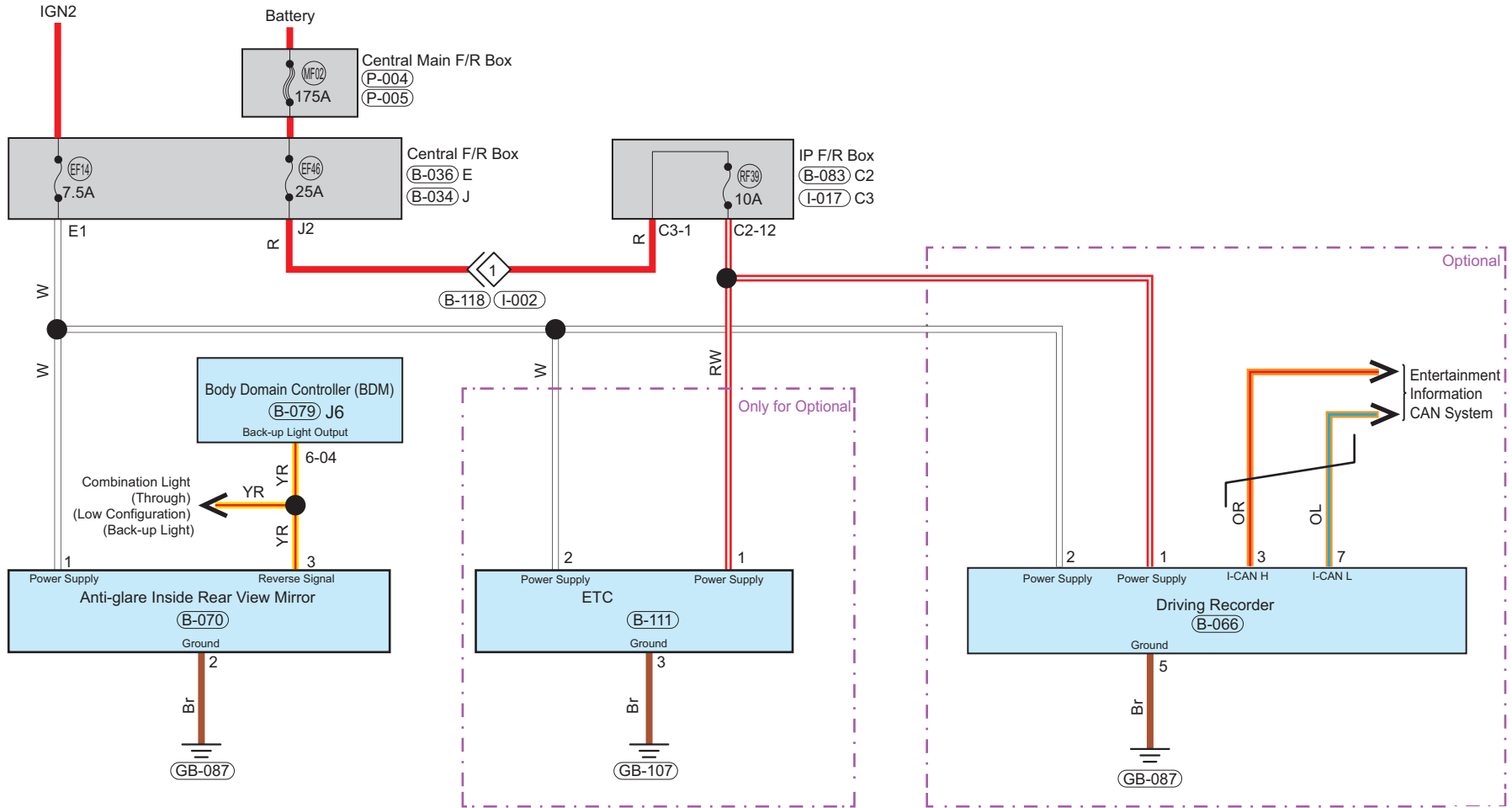


Backup Power Source/USB Charging Module/Wireless Charging/NFC



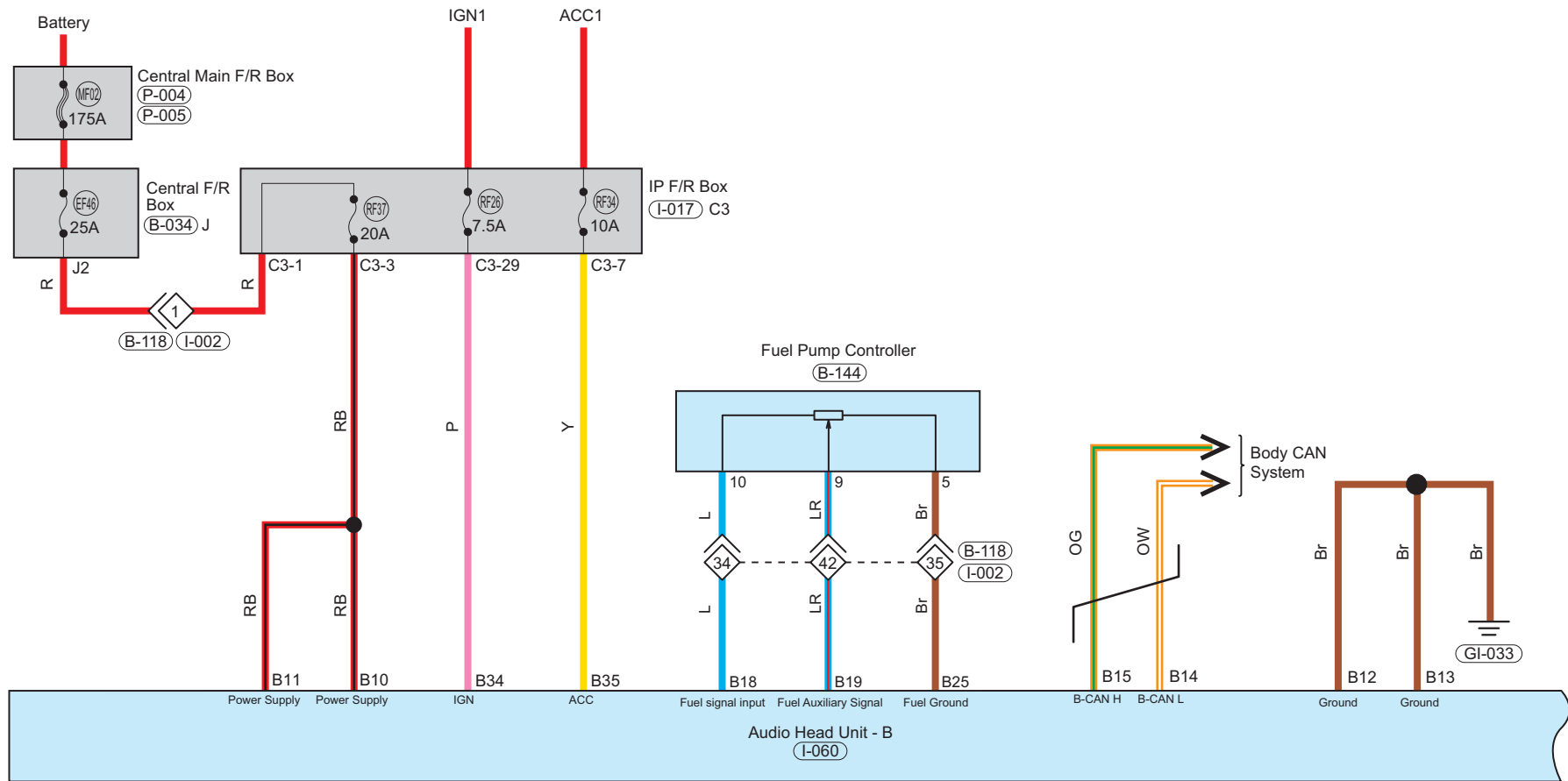
EWD063001

Inside Rear View Mirror/ETC/Driving Recorder (DVR)



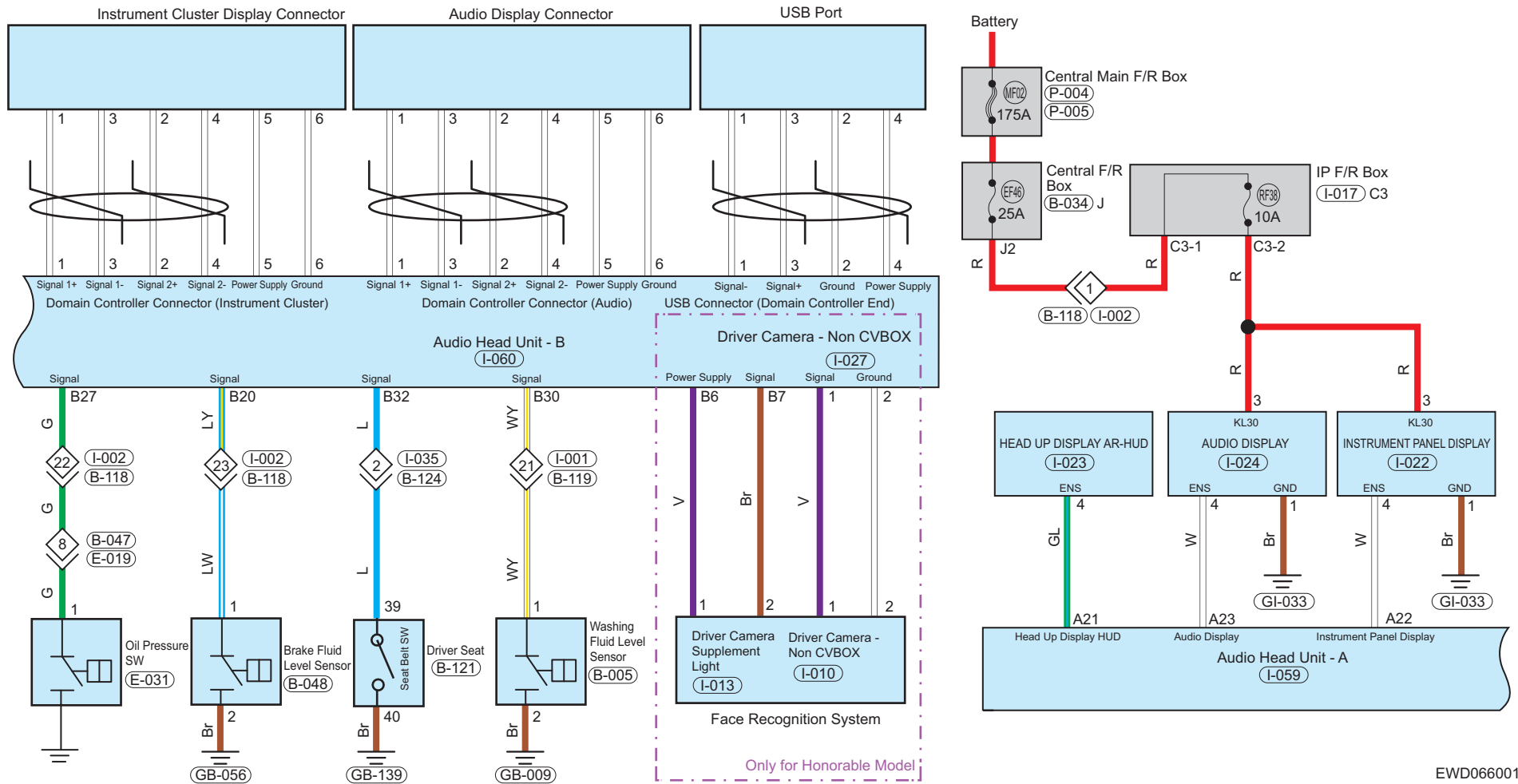
EWD064001

Domain Controller (Instrument Cluster/Audio)/Power Amplifier (AMP)



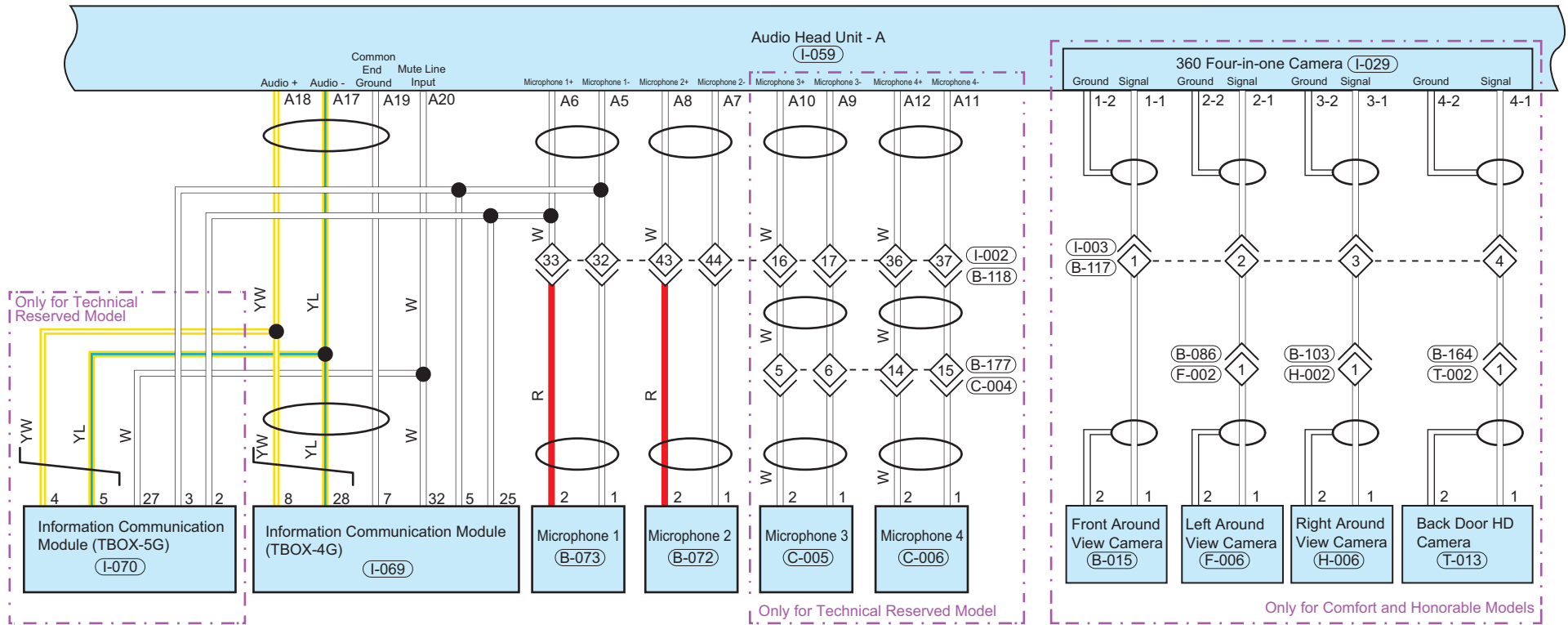
EWD065001

Domain Controller (Instrument Cluster/Audio)/Power Amplifier (AMP)



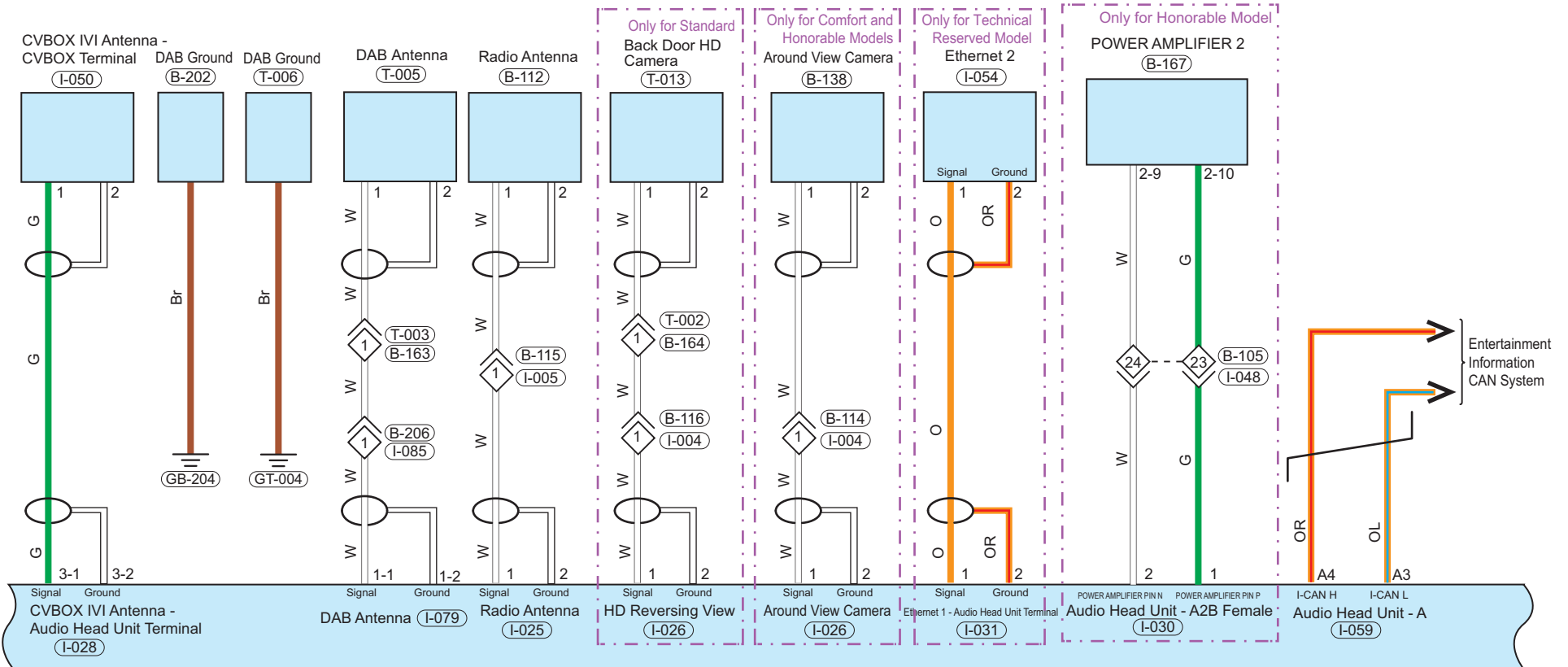
EWD066001

Domain Controller (Instrument Cluster/Audio)/Power Amplifier (AMP)



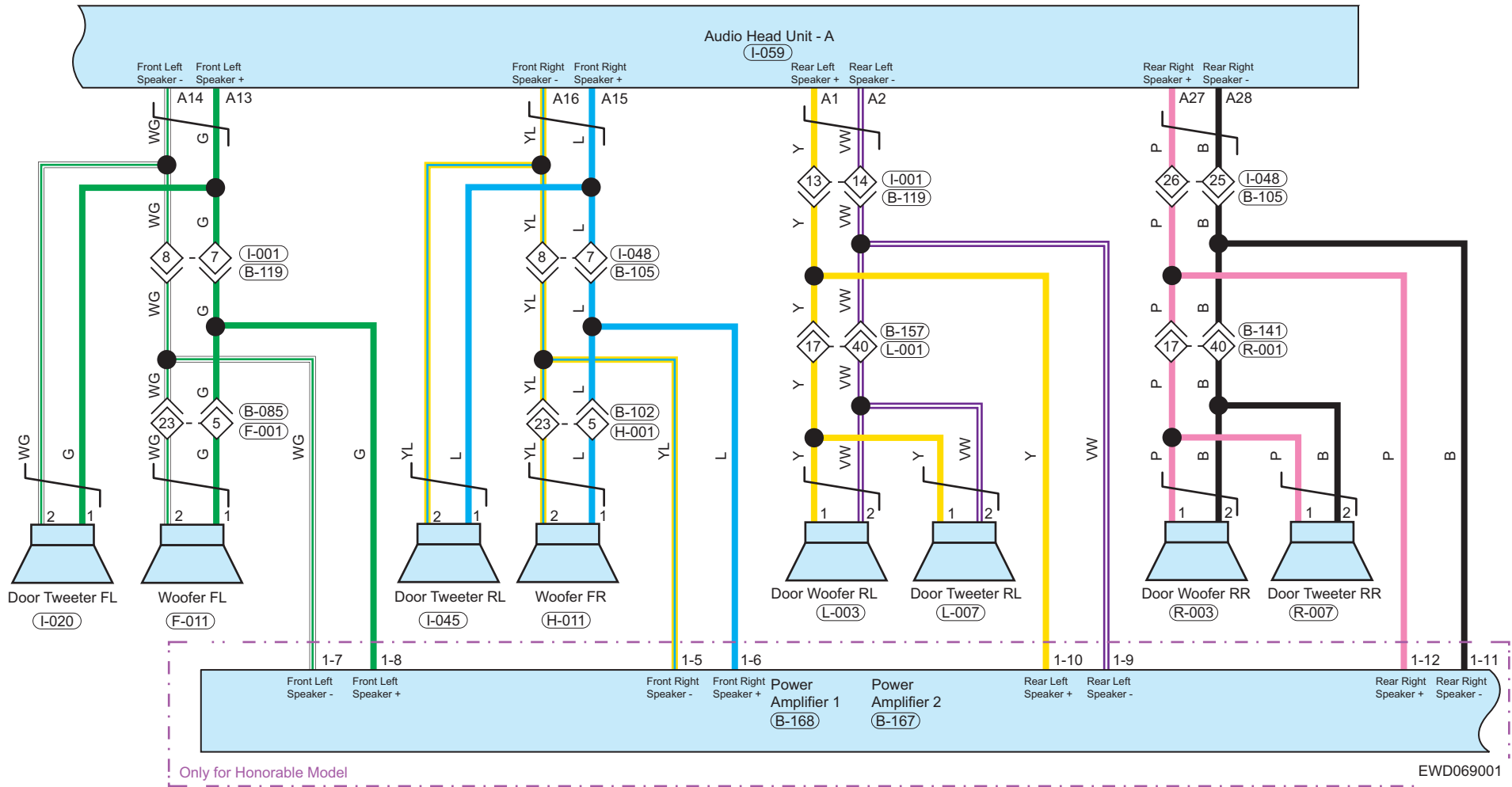
EWD067001

Domain Controller (Instrument Cluster/Audio)/Power Amplifier (AMP)

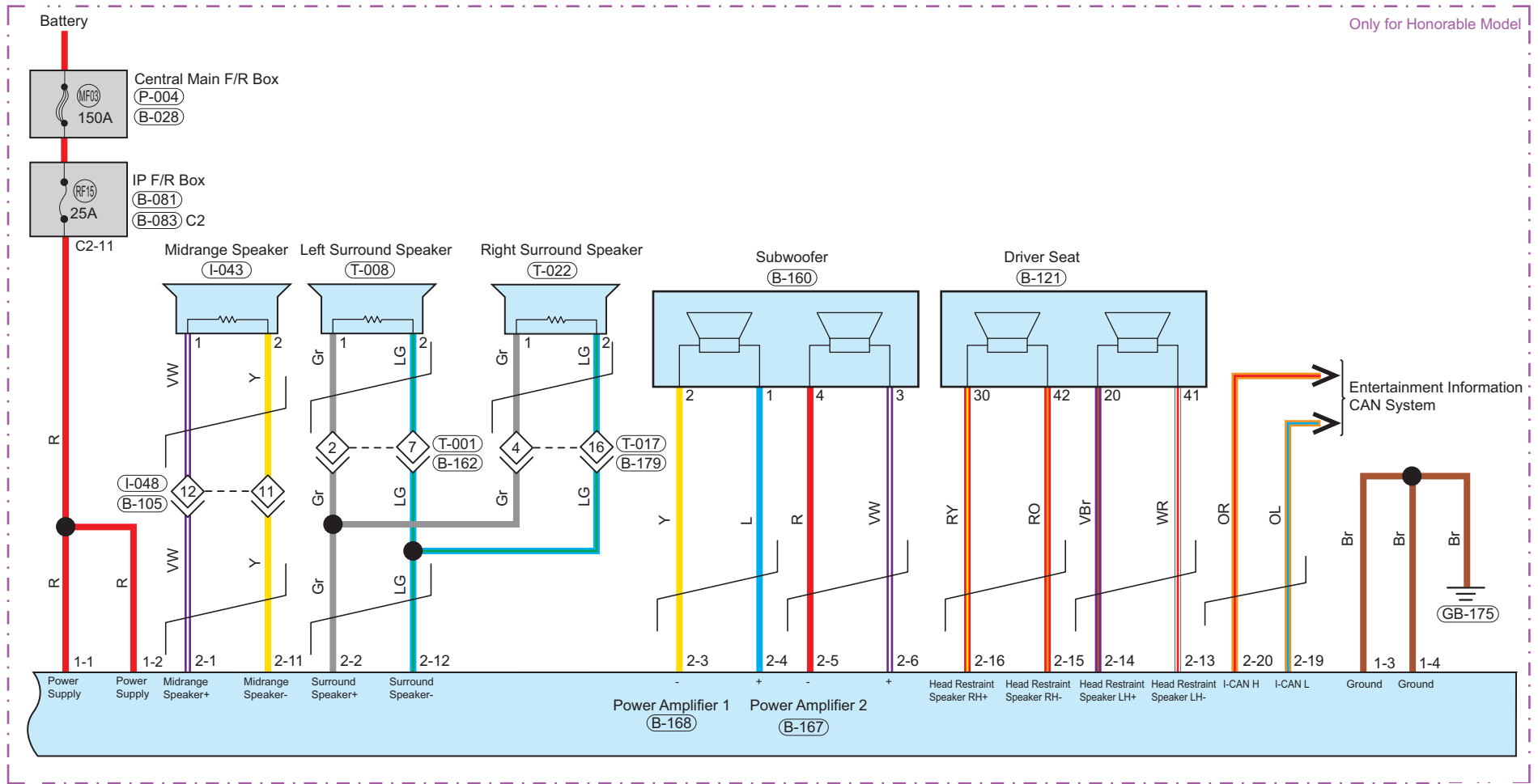


EWD068001

Domain Controller (Instrument Cluster/Audio)/Power Amplifier (AMP)



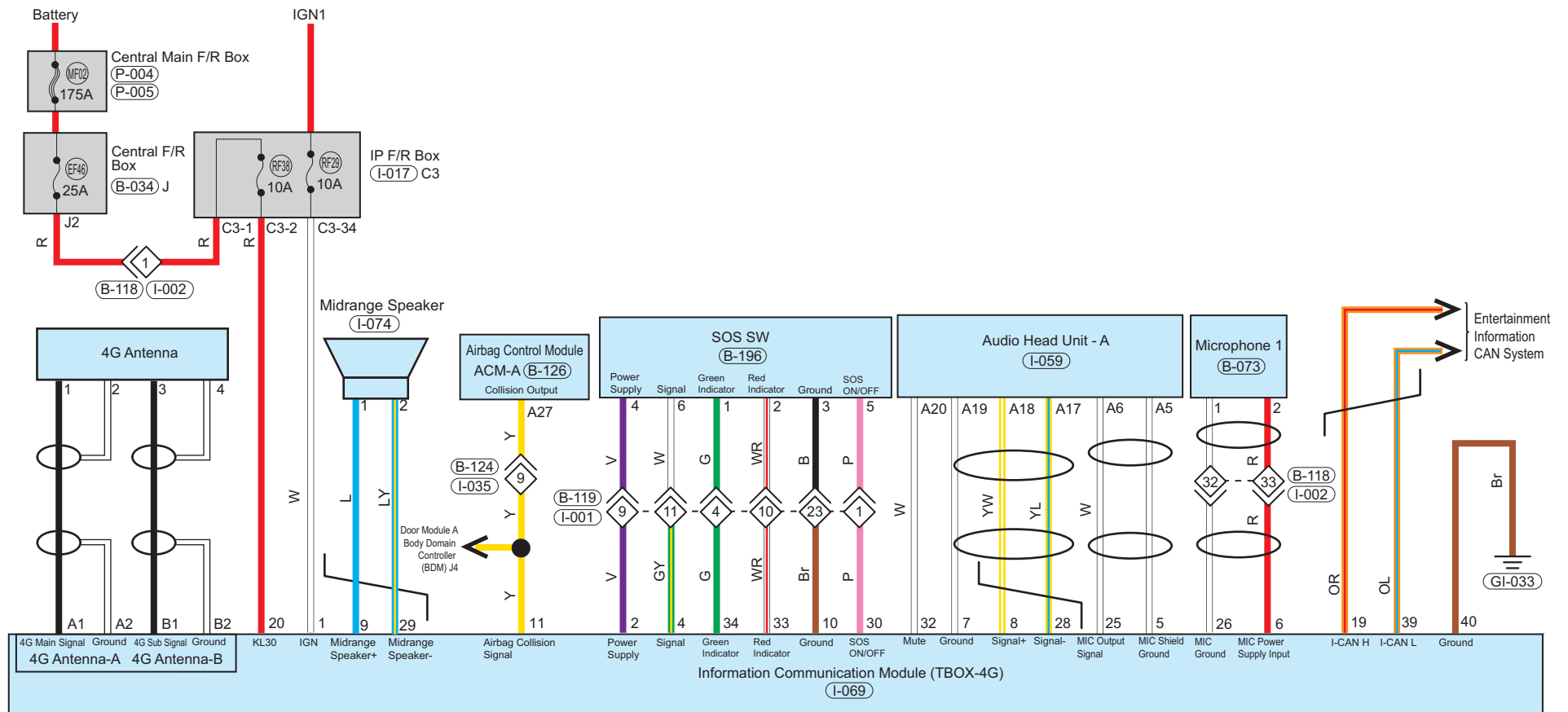
Domain Controller (Instrument Cluster/Audio)/Power Amplifier (AMP)



Only for Honorable Model

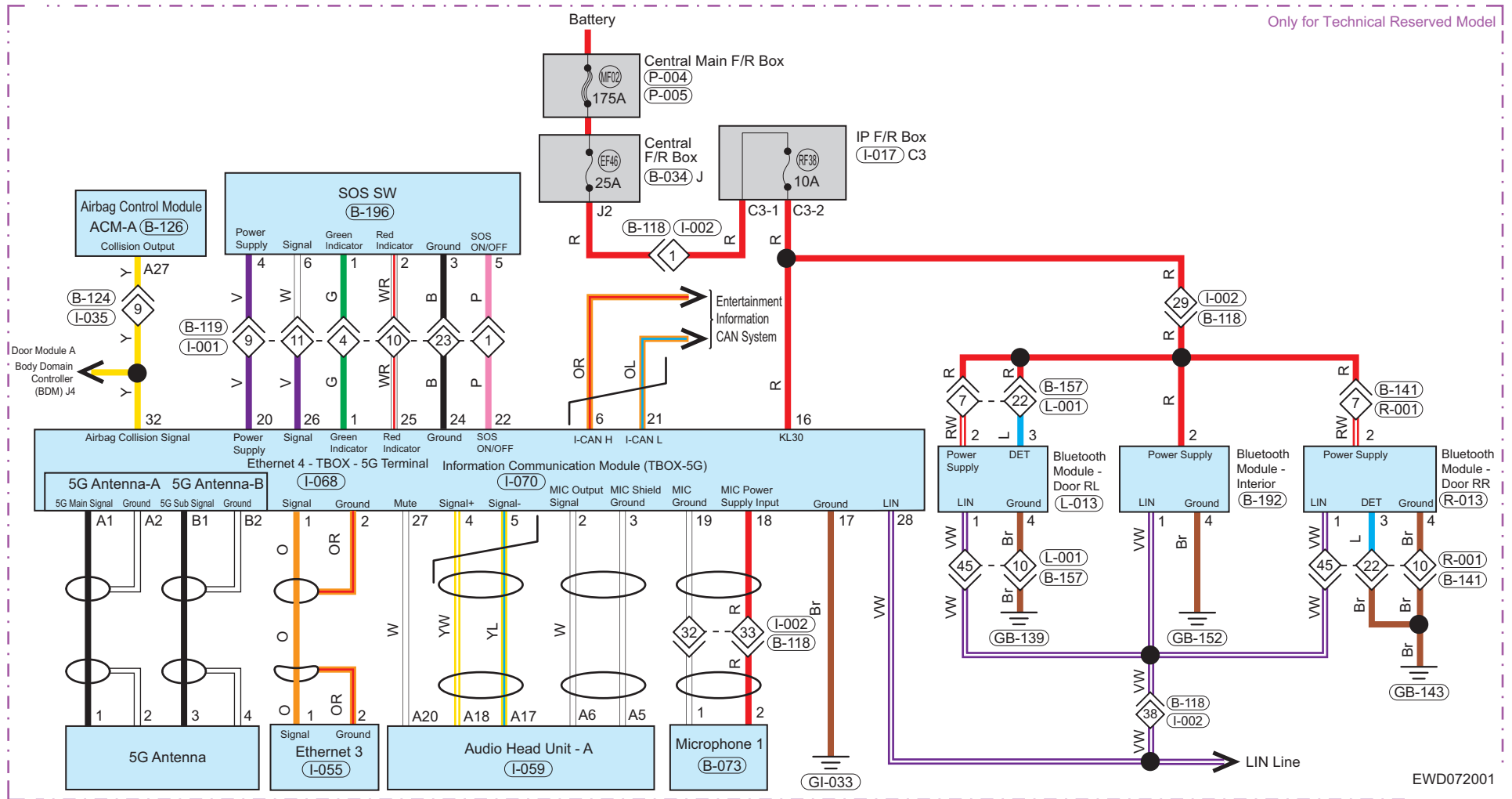
EWD070001

Information Communication System (TBOX-4G/TBOX-5G)



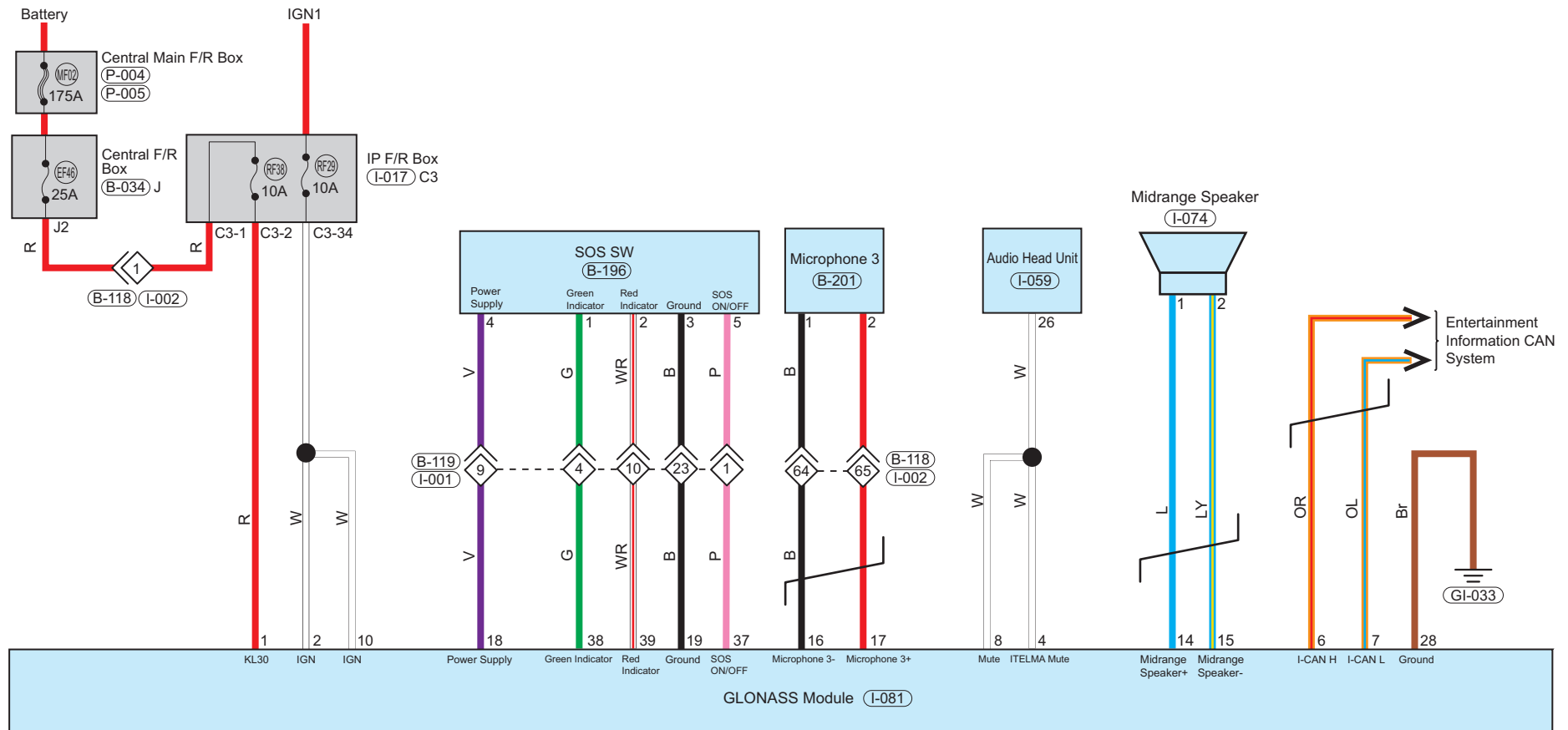
EWD071001

Information Communication System (TBOX-4G/TBOX-5G)



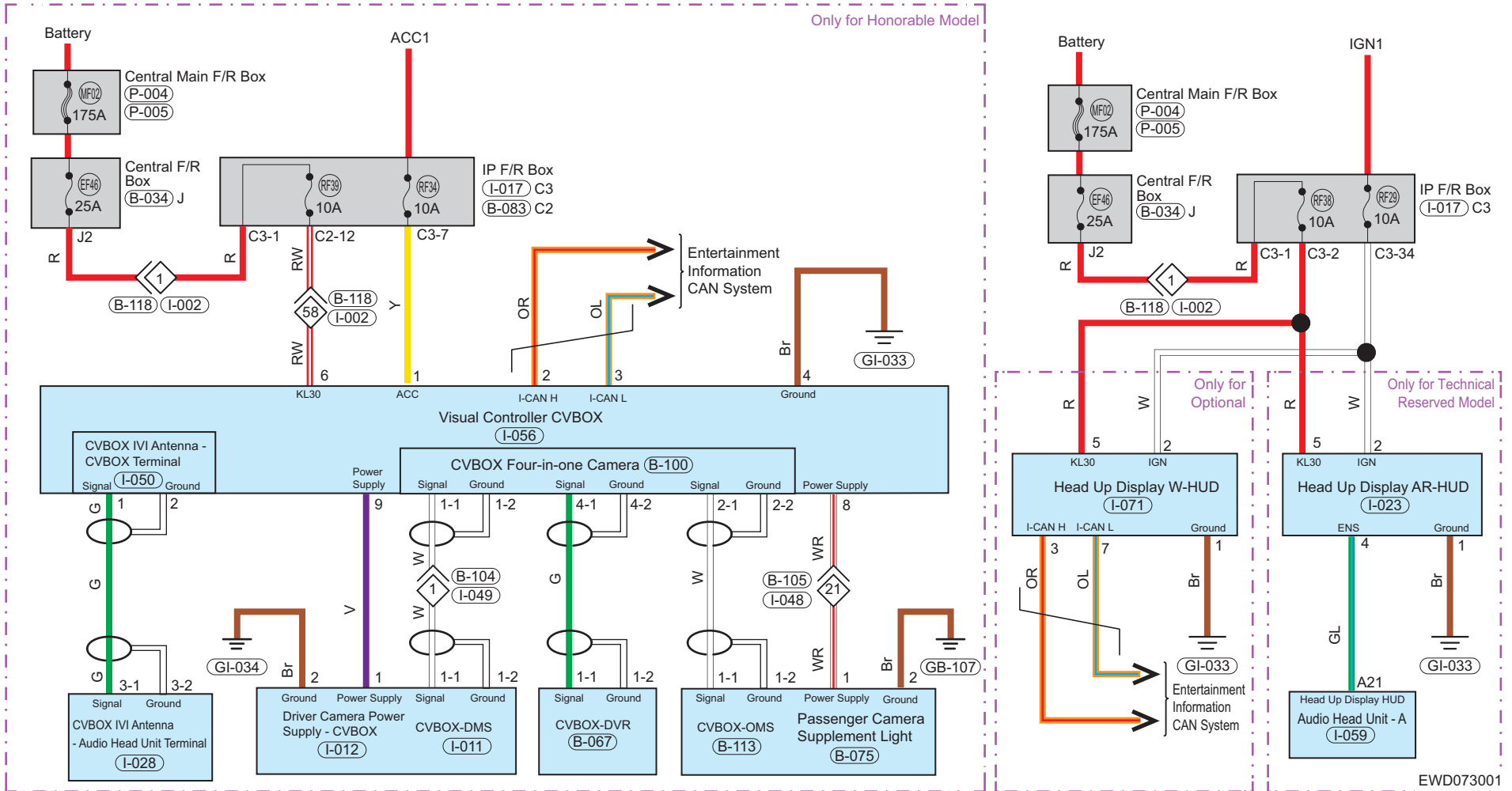
EWD072001

GLONASS Module

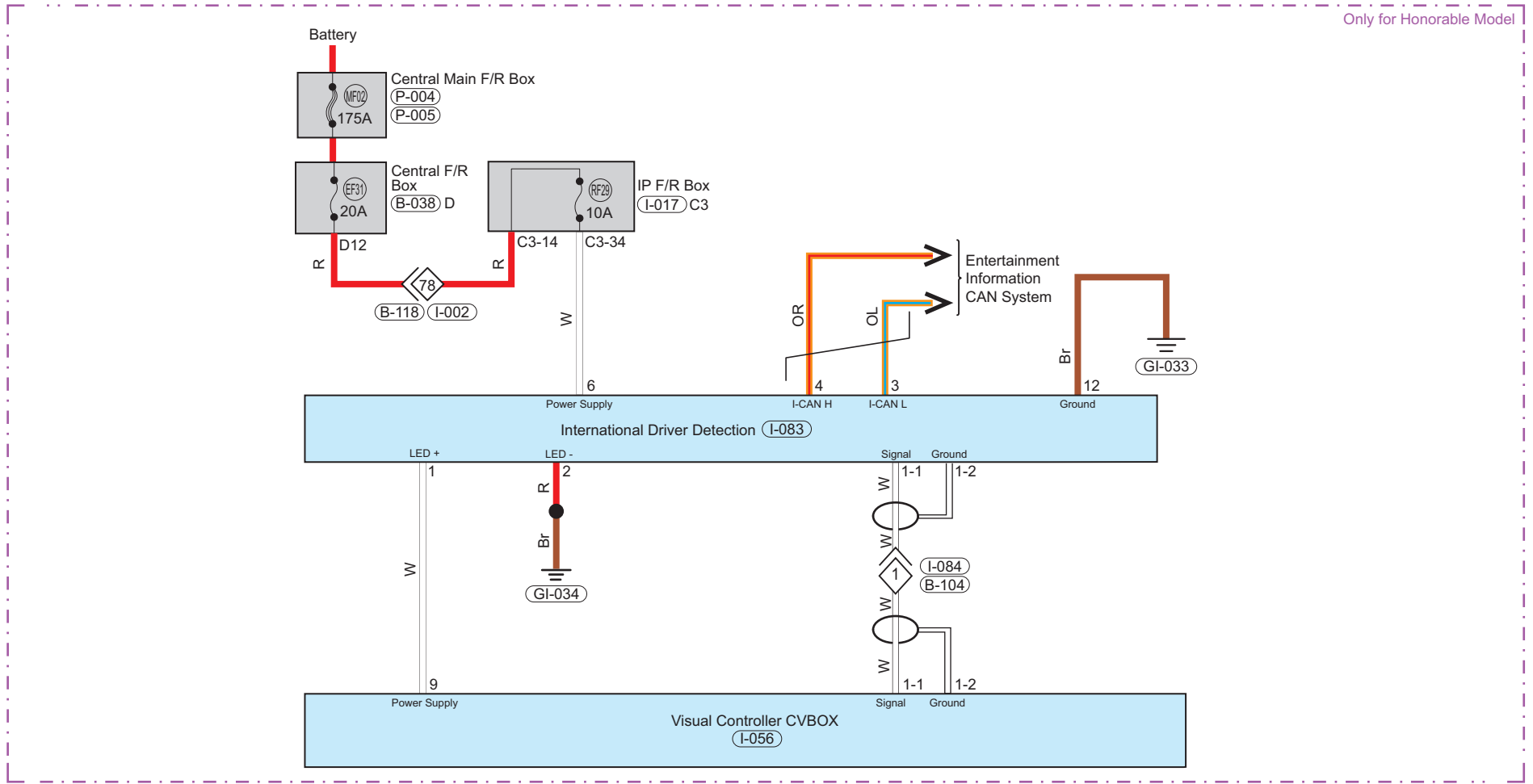


EWD072002

Vision Controller System (CVBOX)/Head Up Display (HUD)

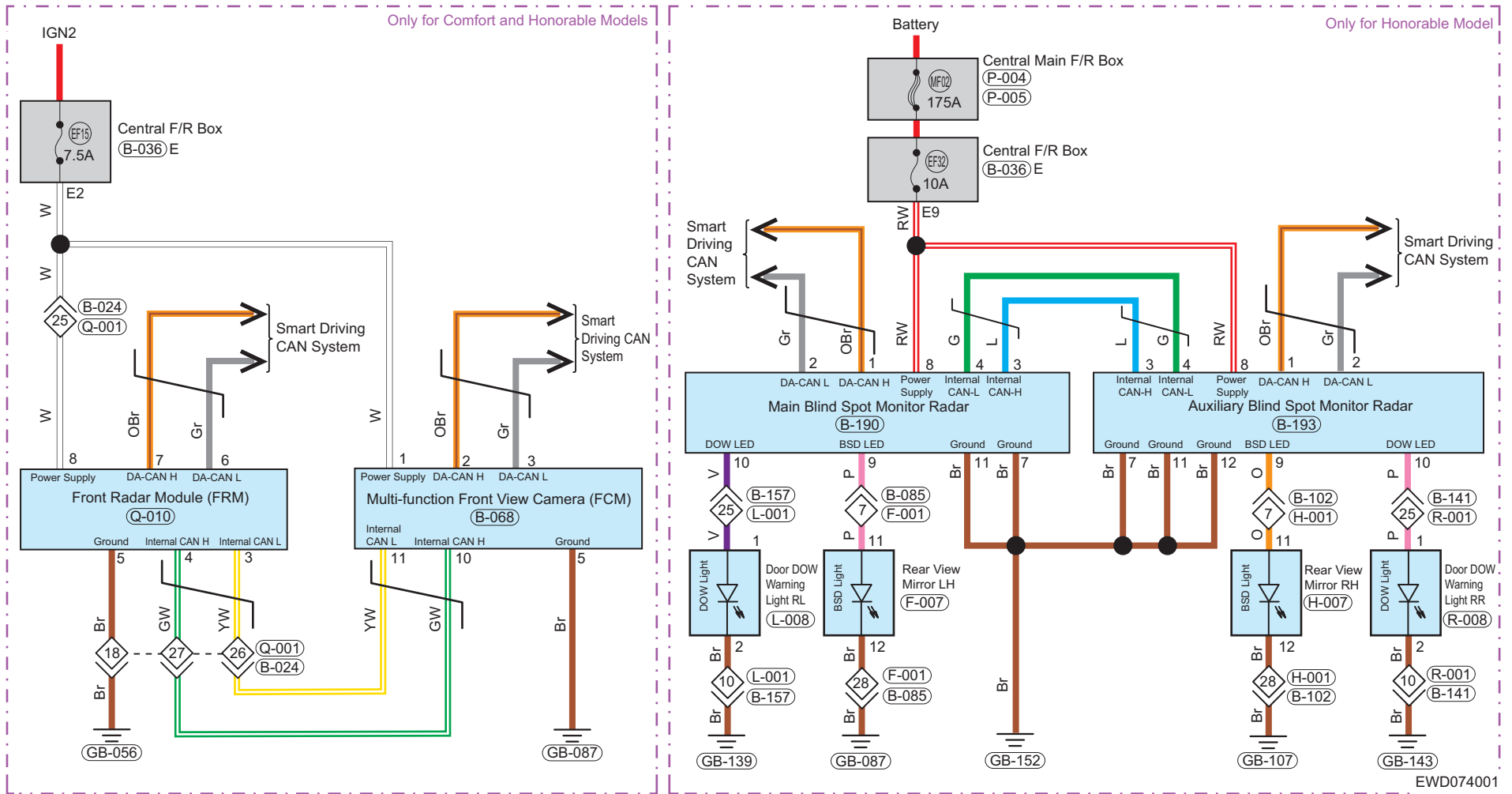


Vision Controller System (CVBOX)

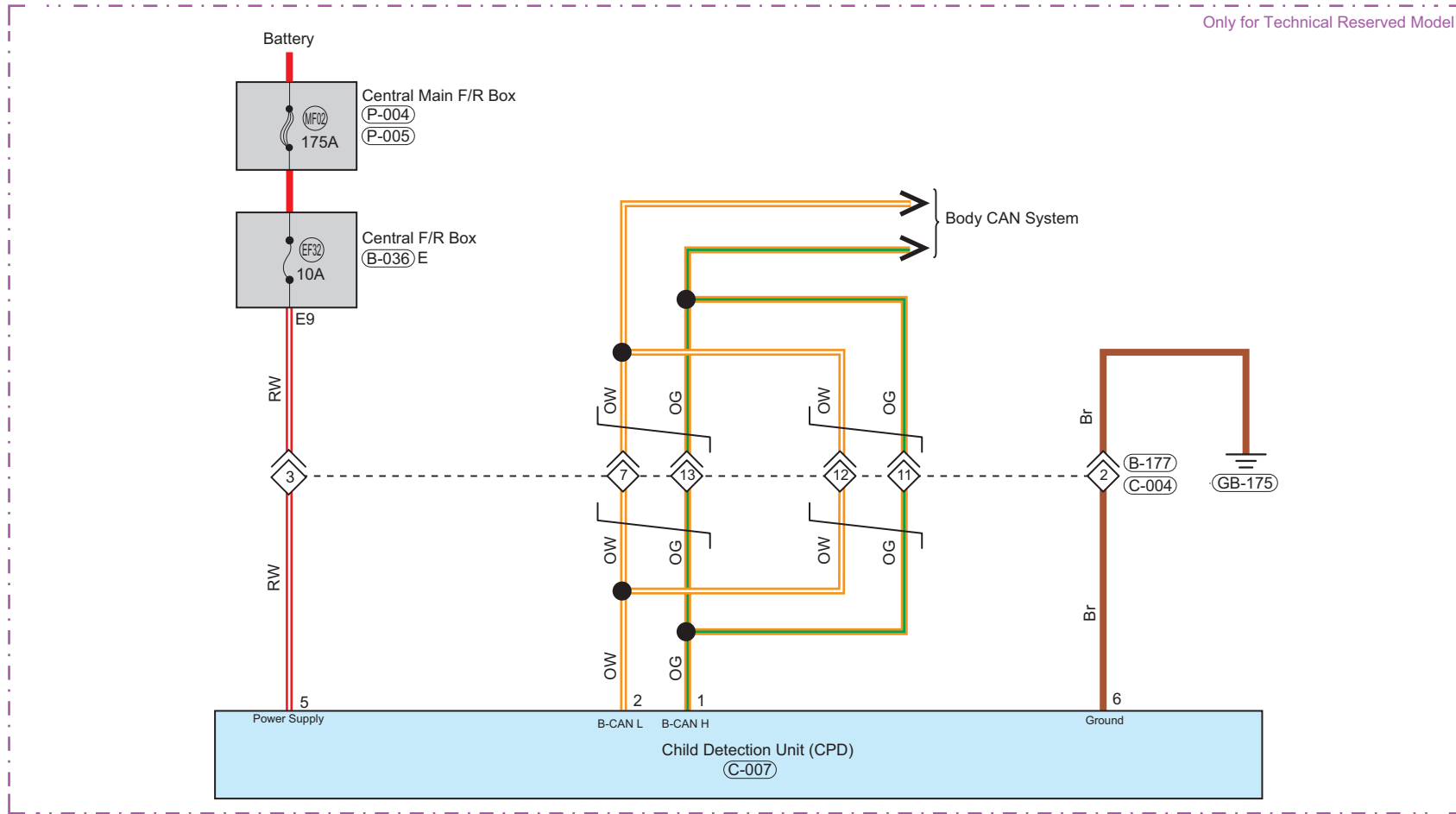


EWD073002

Front Radar Module (FRM)/Front Camera System (FCM)/Blind Spot Monitor System (BSD)

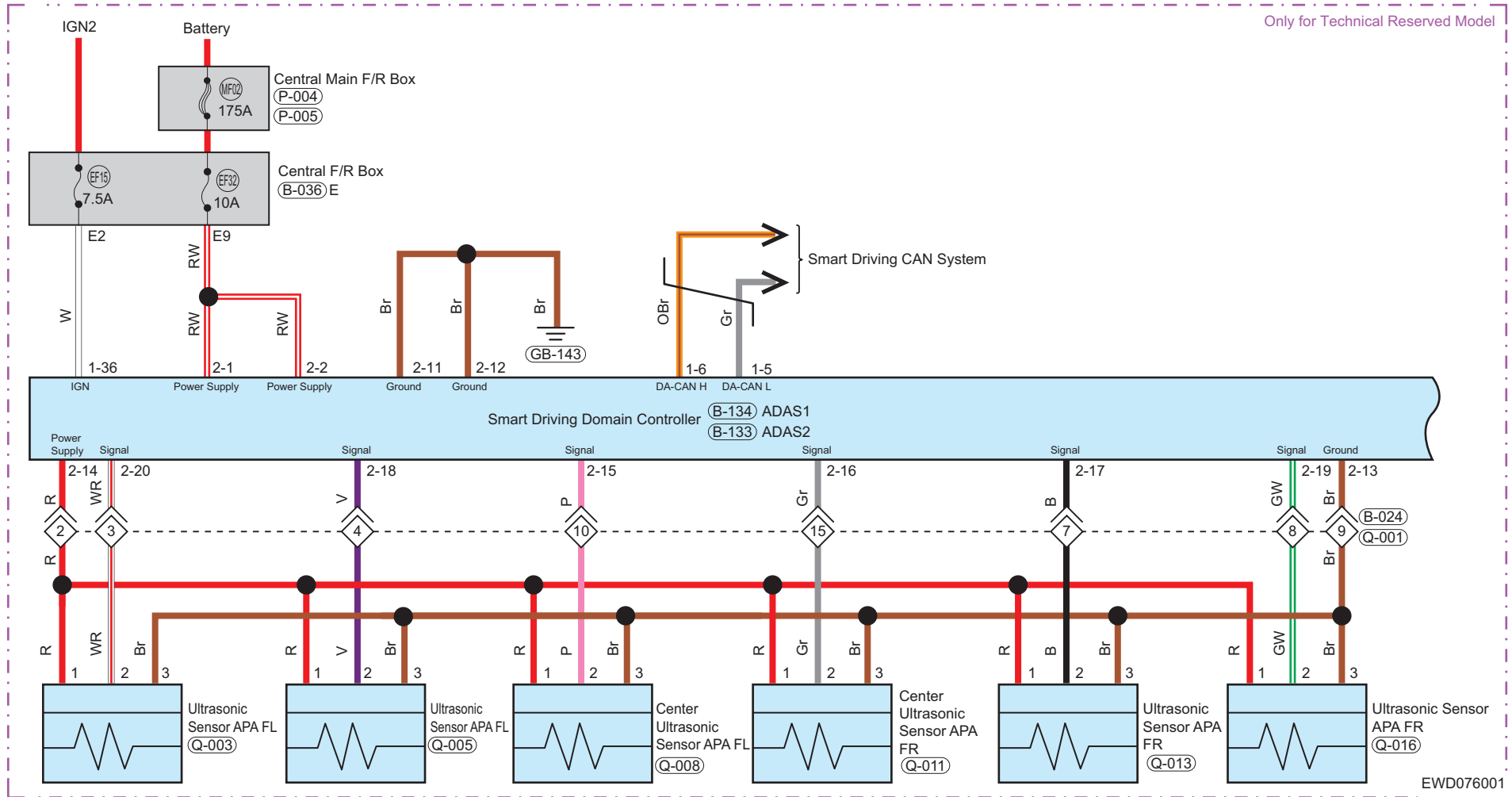


Child Presence Detection (CPD)



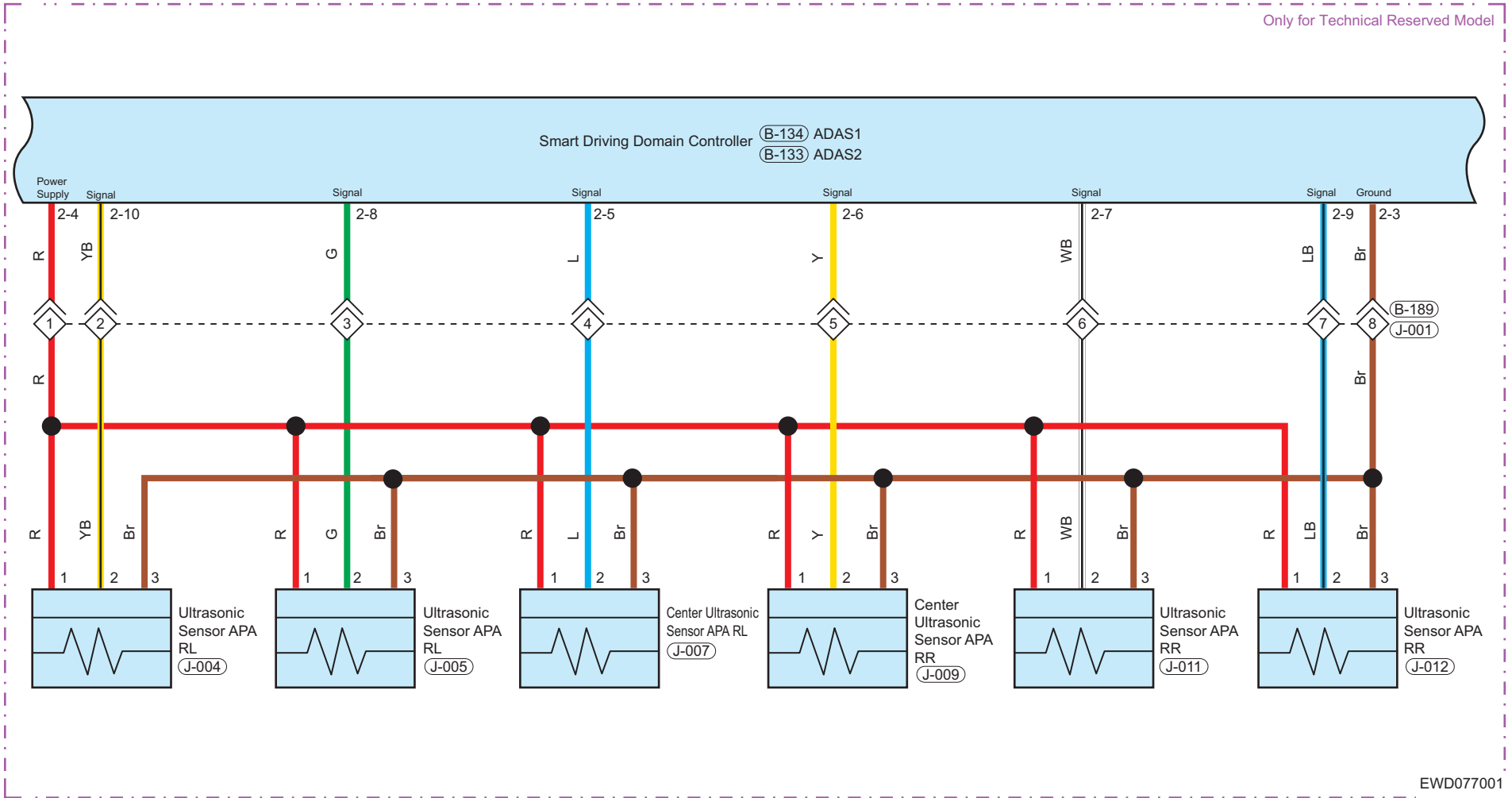
EWD074002

Smart Driving Domain Controller (ADAS)



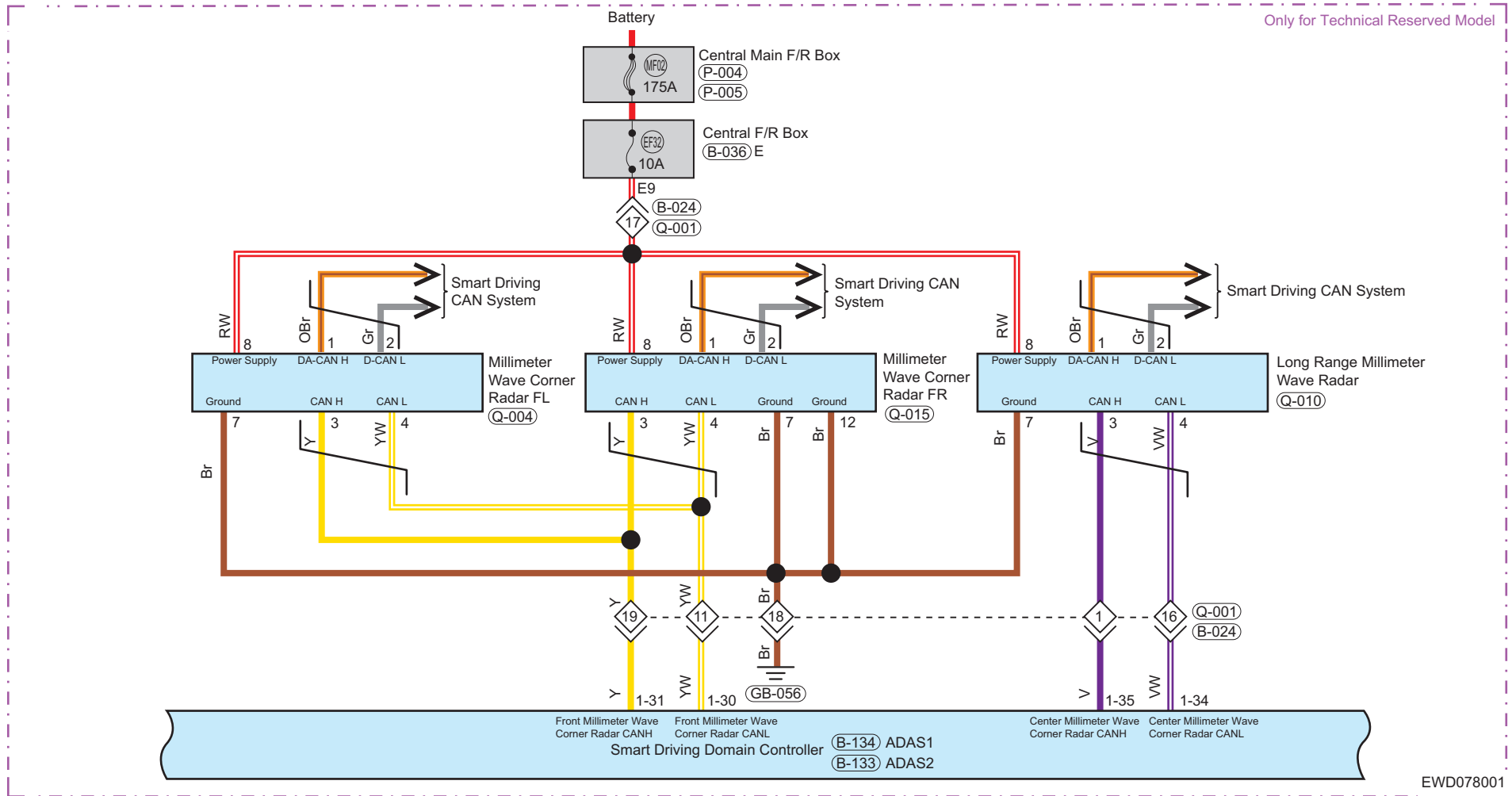
Smart Driving Domain Controller (ADAS)

Only for Technical Reserved Model

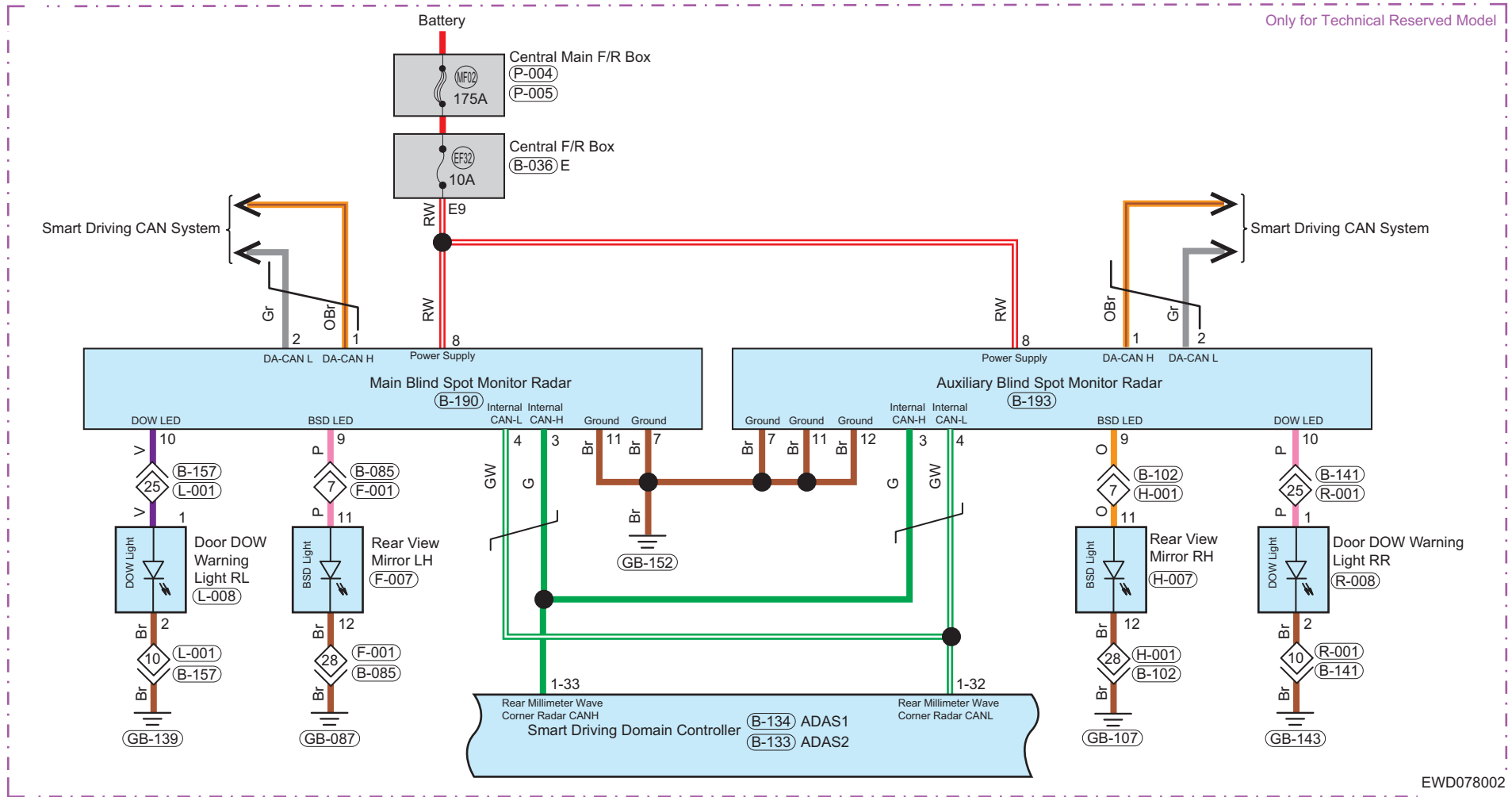


EWD077001

Smart Driving Domain Controller (ADAS)

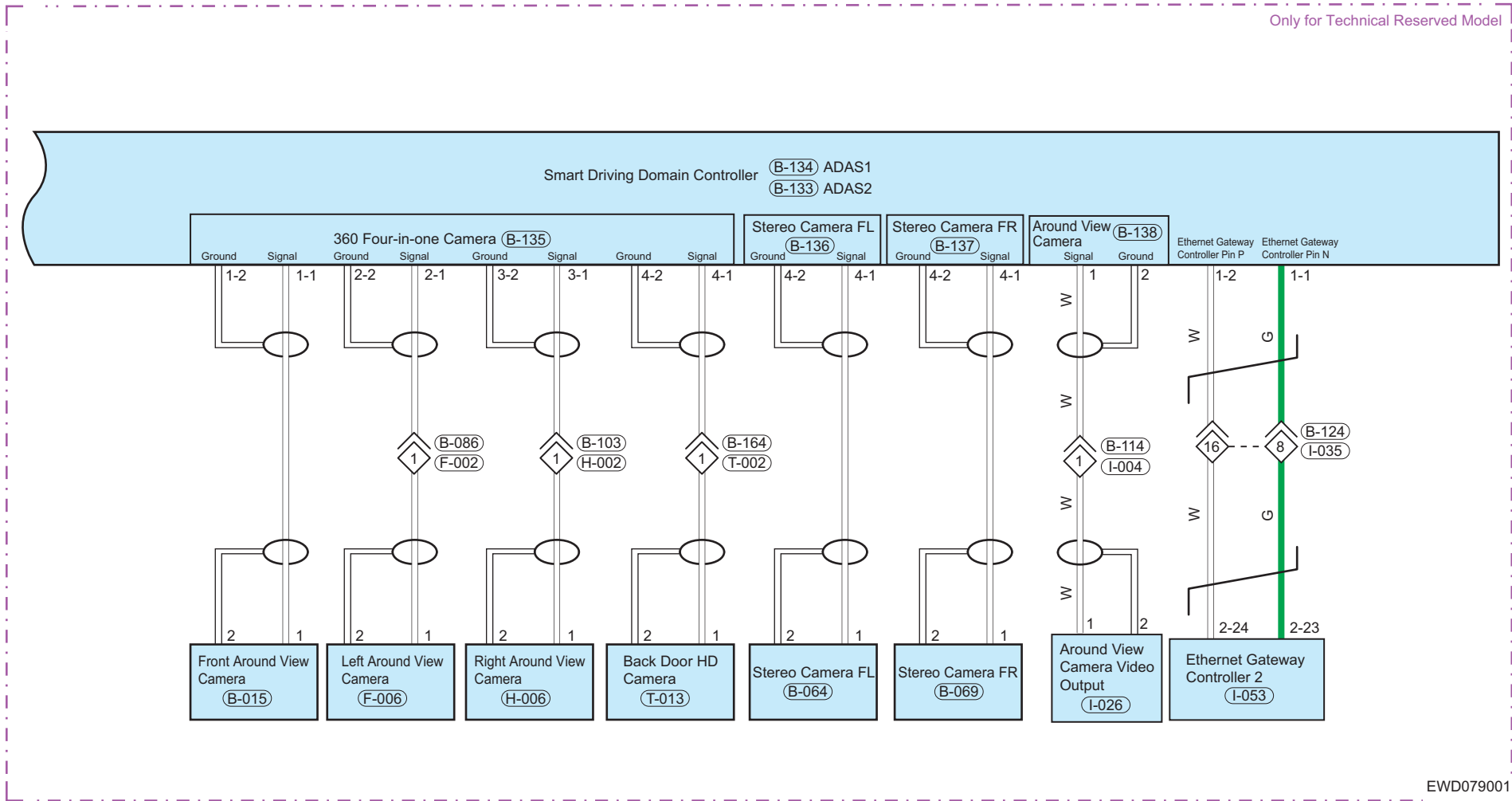


Smart Driving Domain Controller (ADAS)



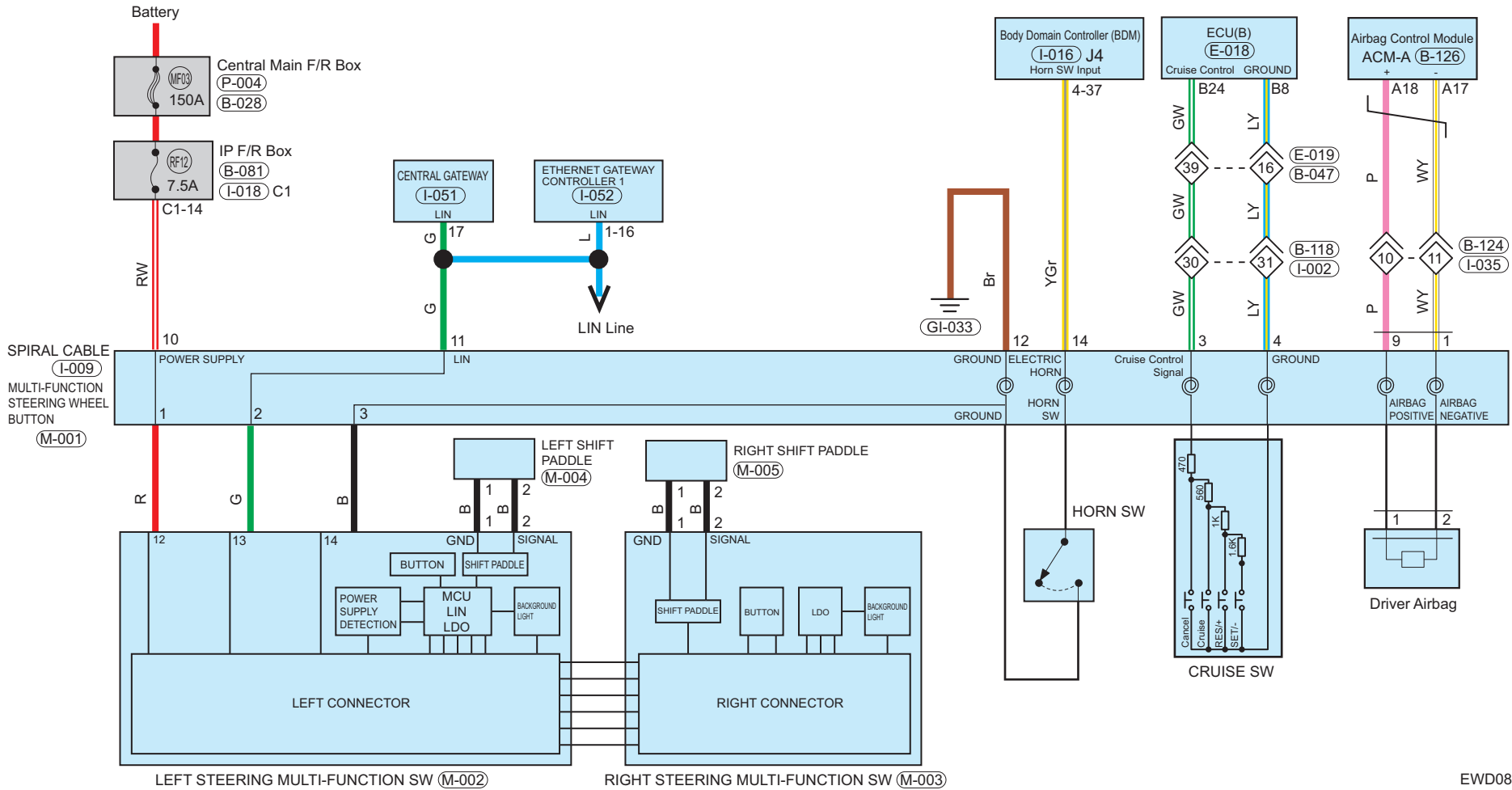
Smart Driving Domain Controller (ADAS)

Only for Technical Reserved Model



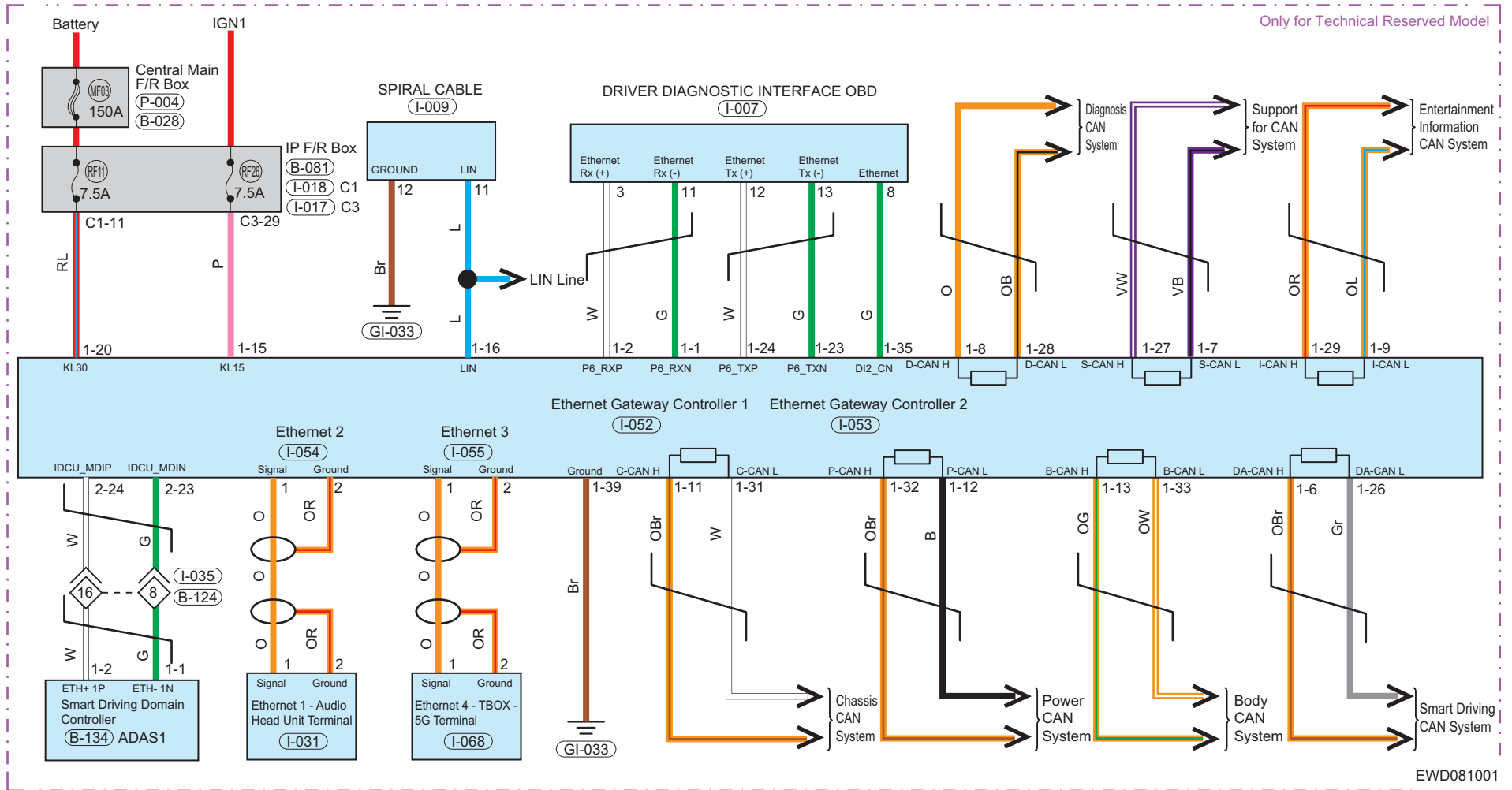
EWD079001

Multi-function Steering Wheel (MFS)/Spiral Cable

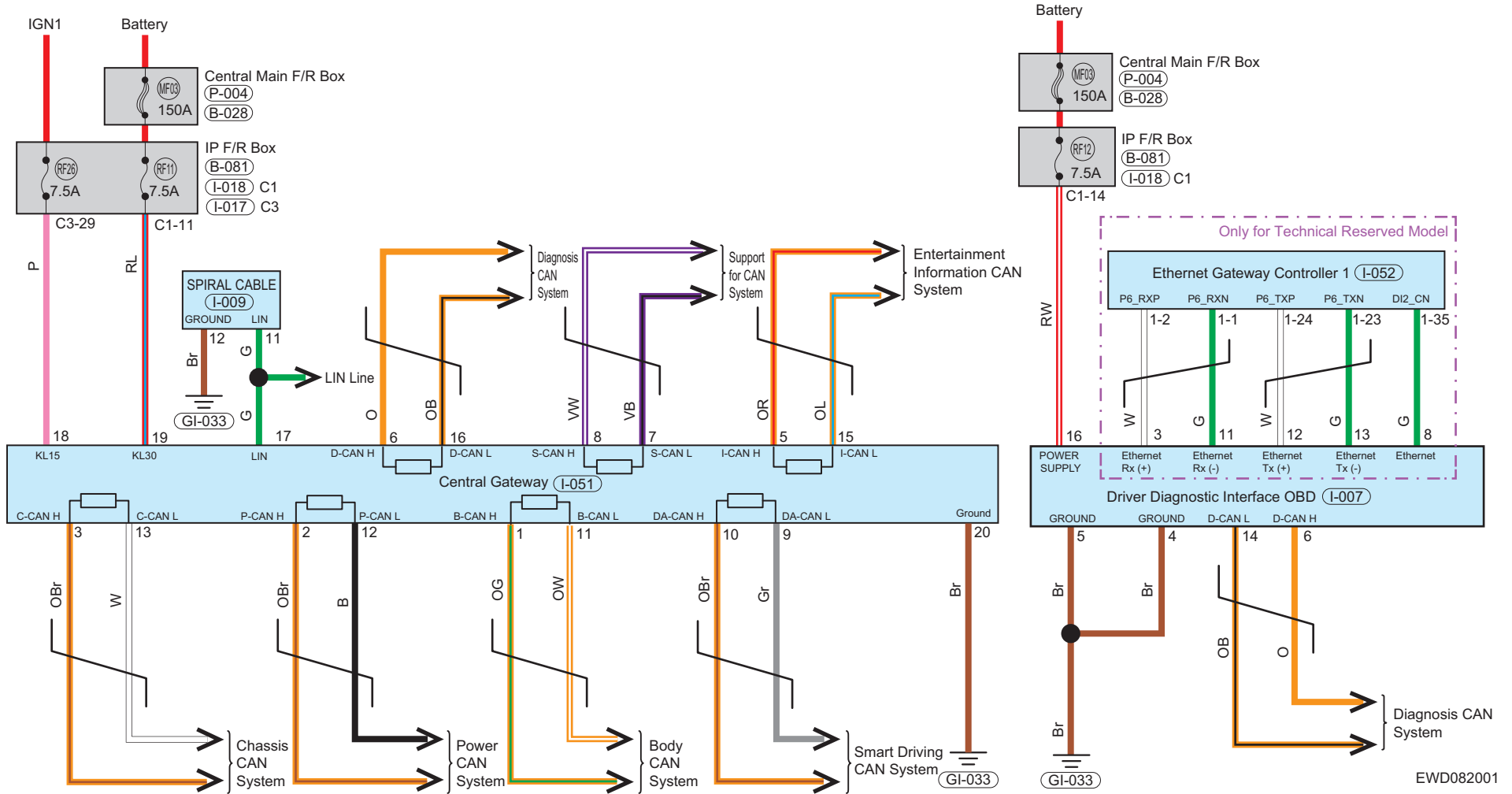


EWD080001

Ethernet Gateway Controller (EGW)

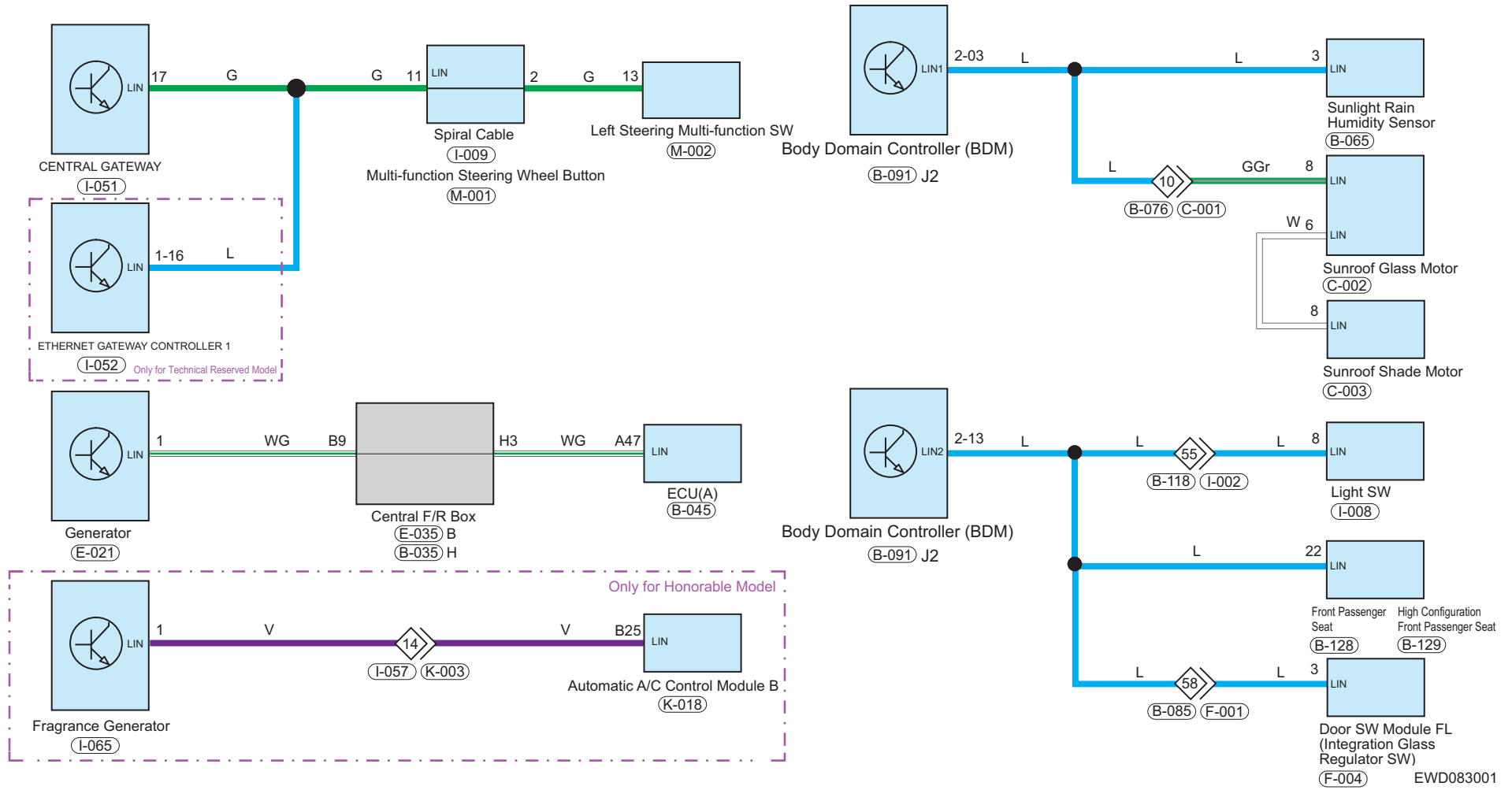


Central Gateway (CGW)/Diagnostic Interface (OBD)



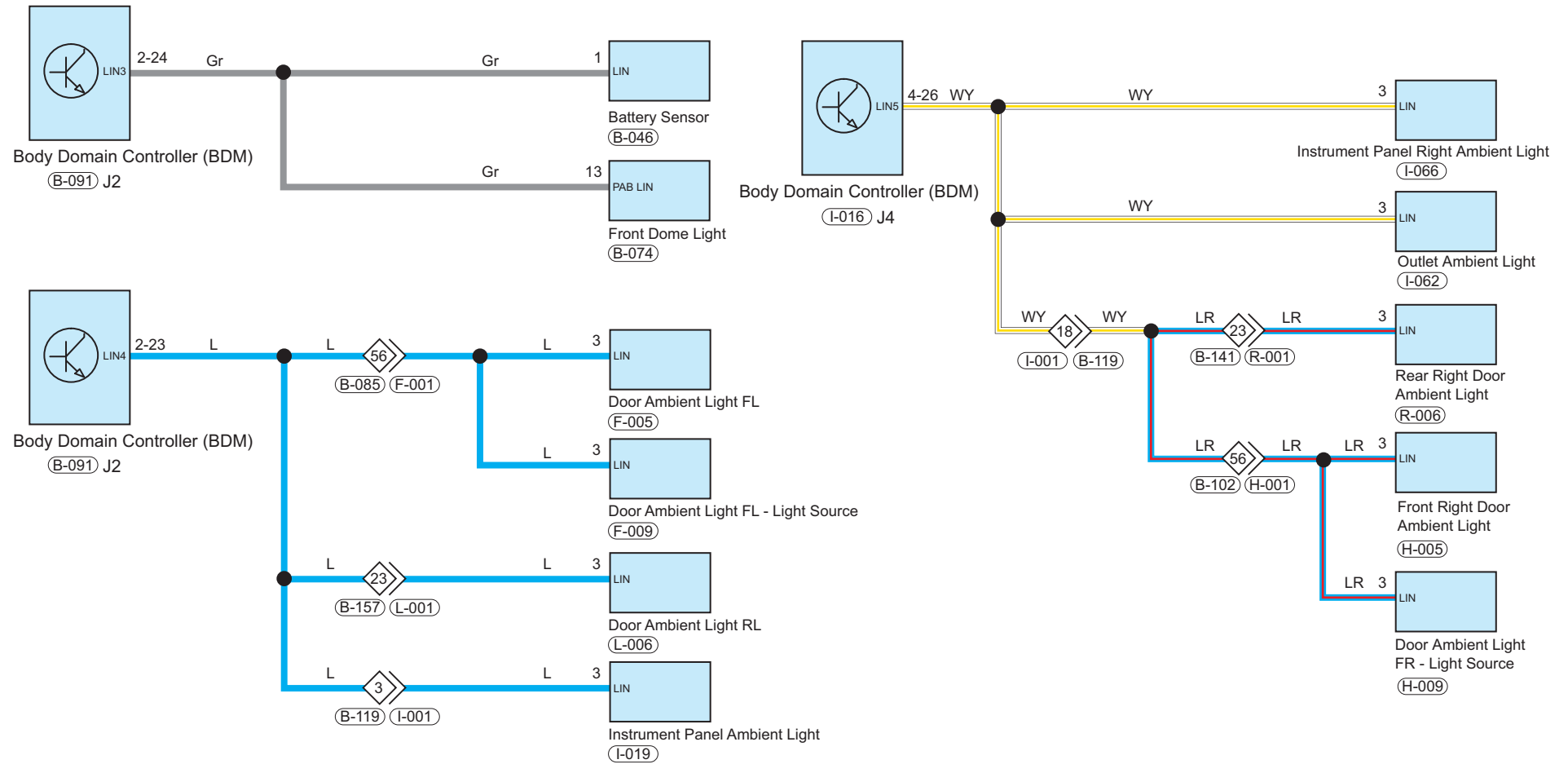
EWD082001

LIN Line



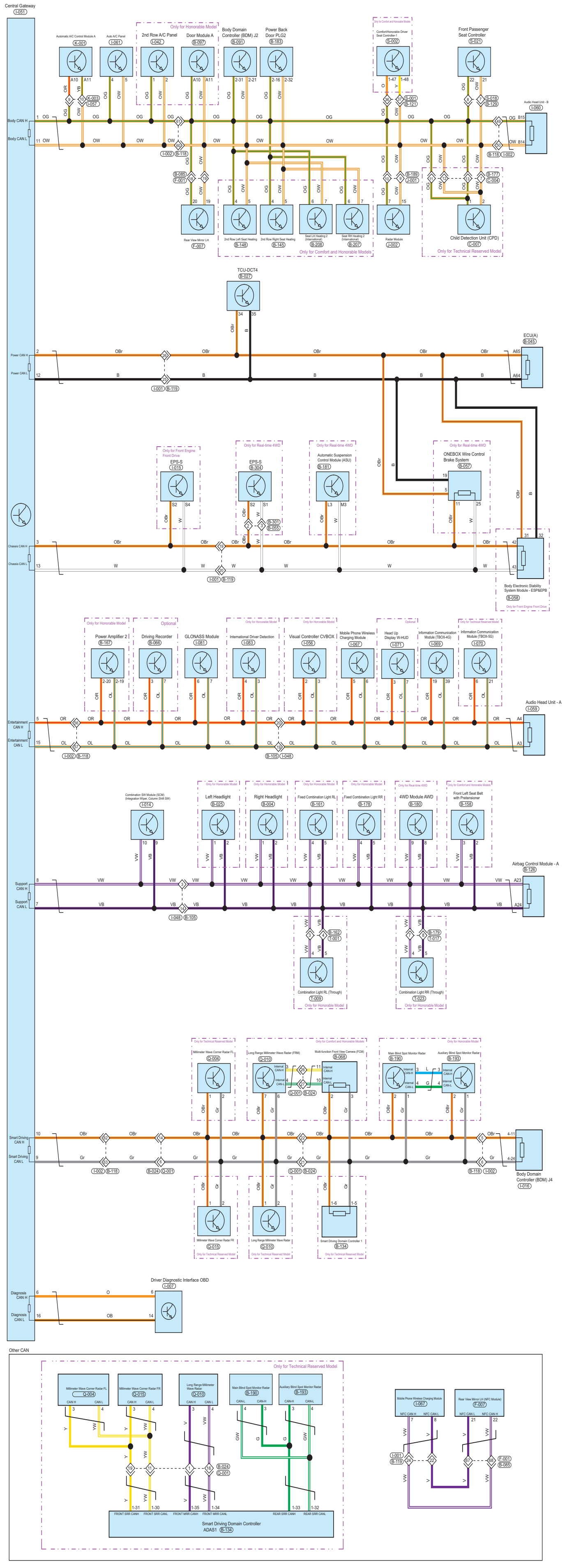
12 - Overall Circuit Diagram

LIN Line



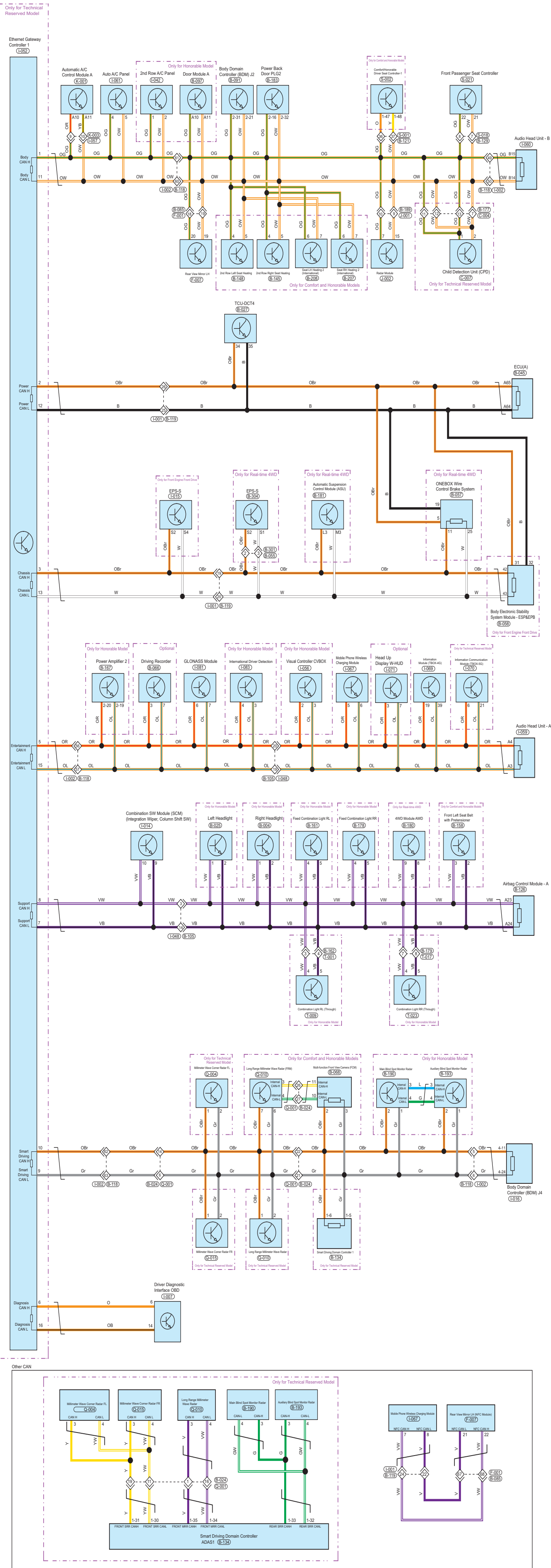
EWD084001

CAN System



EWD085001

CAN System



EW0086001