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Introduction

Version and Modification Description

Version No.	Date	Contents	Modification Contents	Applicable Vehicle Model
00 Version	2021/06/15	Circuit Diagram	/	EXEED M32TFL 1.6TGDI+7DCT

01

The manual includes the following 11 chapters:

Chapter No.	Chapter Name	Description
01	Introduction	This chapter includes mainly overview of each chapter and applicable models.
02	How to Use This Manual	This chapter explains how to use this manual
03	Troubleshooting	This chapter explains Basic circuit inspection procedure.
04	Abbreviation	This chapter defines abbreviations used in this manual.
05	Glossary and Symbol Table	This chapter defines symbols and functions of main parts.
06	Fuse and Relay Information	This information is used to locate fuses and relays quickly; Circuit arrangement in fuse and relay box.
07	Power Source Distribution Center	This chapter explains load of each fuse and relay. Contents in this chapter is used to inspect circuit failure combined with system circuit diagram.
08	Ground Point	This chapter explains location of grounding points and parts of common grounding points.
09	Control Module Layout and Pin Definition	This chapter explains location of control module and definition of control module pin. This chapter is closely related to system circuit.
10	Wire Harness Location Diagram	This chapter explains distribution of each wire harness and distribution and front view of each connector.
11	System Circuit Diagram	Integrate and summarize circuit diagram of all systems together according to modules.

How to Use This Manual

General information

This system provides circuit information of each system respectively.

Display actual wire harness of each system circuit from battery power supply to grounding point. (All circuit diagrams show normal on/off status (normal ON or normal OFF)).

When troubleshooting any fault, always understand operation conditions of faulty circuit (refer to system circuit), corresponding power supply operation (refer to power supply) and grounding point condition (refer to grounding point).

During understanding circuit operation condition, find fault and try to solve the fault cause. Refer to "Fuse box relay information" and "Wire harness position" to inspect parts, wire harnesses, connector and grounding point of each system circuit.

In each system circuit, arrow is used to indicate wire harness of related system. To understand the overall connection conditions, refer to the "Overall circuit diagram" at the end of this manual.

WARNING

- The information in this manual is about wire harness. Information about components and parts and assembly condition is for reference only. Please refer to related Repair Manual.

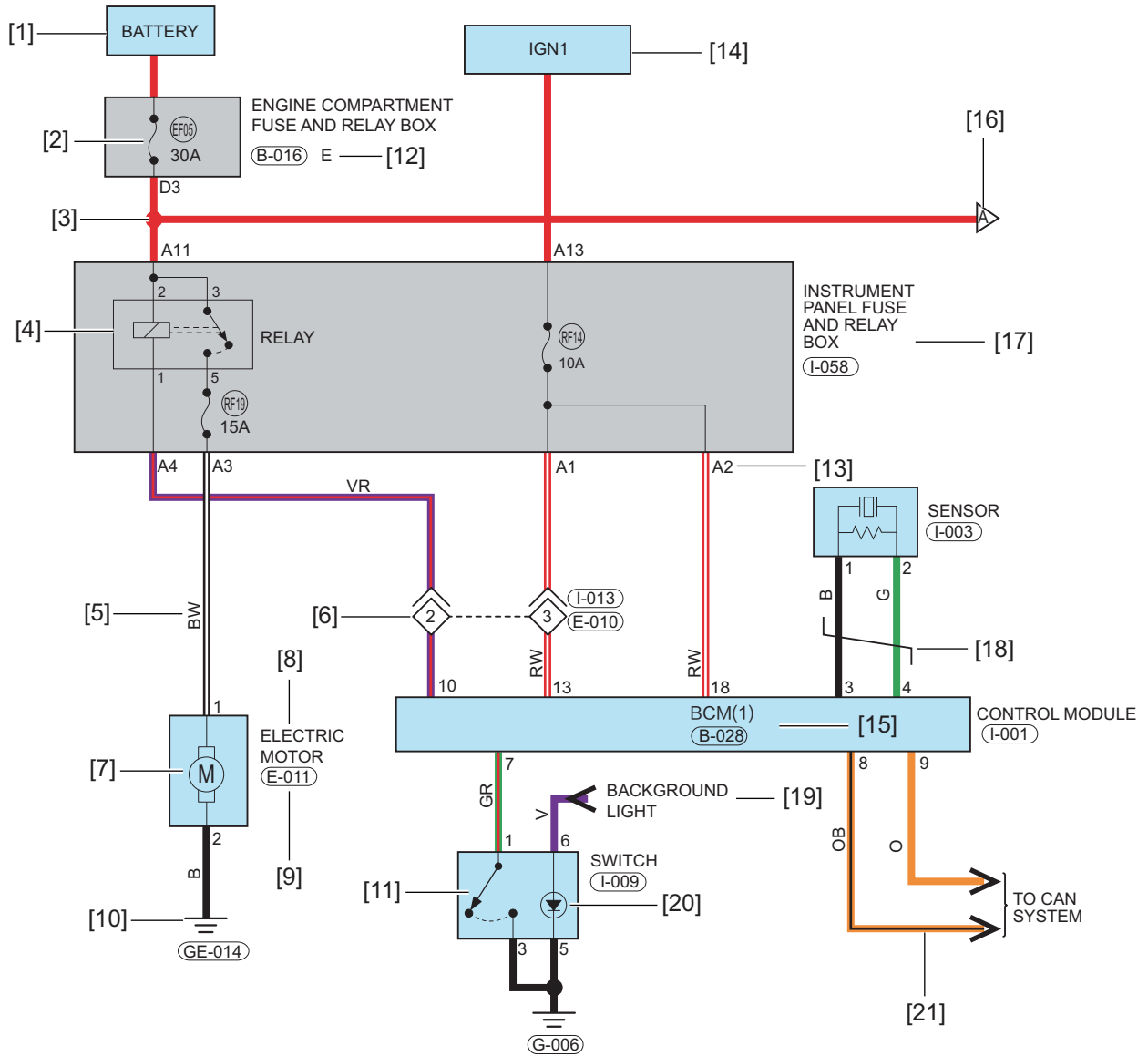
Circuit diagram description

Provide circuit diagrams to help technicians identify and detect vehicle faults efficiently.

Circuit diagram Functions and features:

- Power circuit is at the top of the page and grounding circuit is at the bottom.
- Simple labels are used to indicate components and parts in circuit diagrams (such as switches and fuses).

02



EWD001001

*Circuit diagram shown here is for example only. It is different from the actual circuit shown in "System circuit" section.

The following table is shown symbol definitions in circuit diagram.

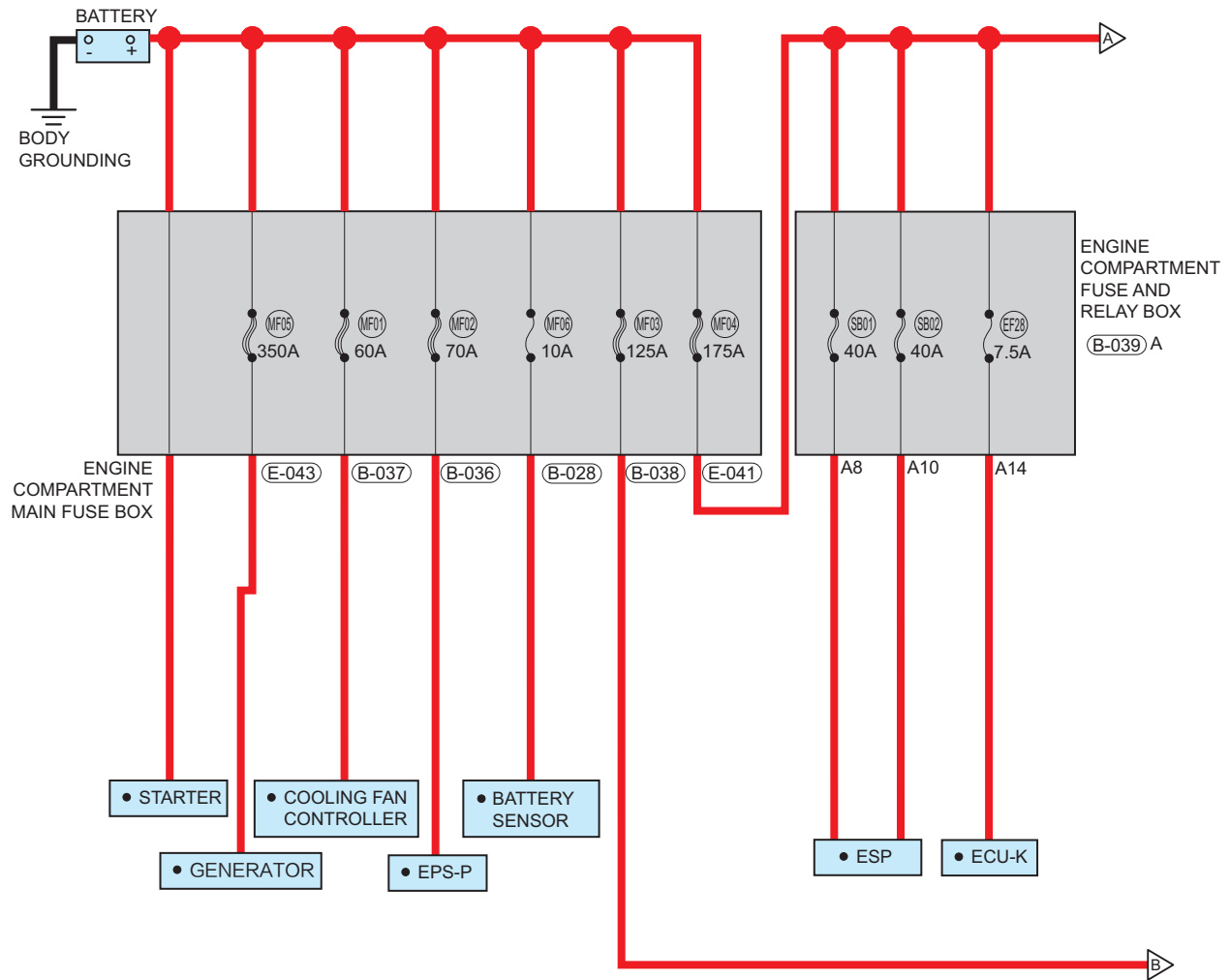
No.	Definition	Description
[1]	Battery	Indicate power supply from battery positive terminal to the electrical equipment.
[2]	Fuse	Indicate fuse; "EF05" is fuse No.; "30A" represents rated current of fuse.
[3]	Joint point	A solid circle indicate cross-jointed wire harness.
[4]	Relay	Indicate relay; "MAIN RELAY" indicates relay name; "1", "2", "3" and "5", or "85", "86", "87" and "30" indicate terminal No. of relay.
[5]	Color	Indicate color of wire harness. Color codes are shown as follows: B = Black; W = White; R = Red; G = Green; L = Blue; Y = Yellow; Br = Brown; O = Orange; Gr = Grey; P = Pink; V = Violet; Lg = Light green. Example: "BrR" indicates primary color of the wire harness is brown and the secondary color is red.
[6]	Connector	Indicate wire connector. "Λ" is female connector, "I-013" is application No.; "◇" is male connector, "E-010" is application No. Numbers "2" and "3" on the inner side of the male connector indicates terminal No. "----" indicates different terminals from the same wire connector.
[7]	Motor	The symbol indicates a motor.
[8]	Name of component	It indicates name of component.

No.	Definition	Description
[9]	Connector code	"E-011" indicates the connector code of part; Letter "E" indicates code of wire harness that the connector is at. Connector code are as follows: Q = Front bumper wire harness; E = Engine wire harness; I = Instrument 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 connection wire harness X = Display connection wire harness U = USB connection wire harness
[10]	Ground point	Indicates the ground point. For example: For GQ-010, G refers to the ground point, Q refers to that the ground point is located on wire harness of front bumper (corresponding wire harness is indicated by a different letter), 010 is the number of the ground point.
[11]	Switch	The symbol indicates switch.
[12]	Fuse and relay box connector	For example: B-015 E, it means that the connector B-015 named in this circuit diagram manual corresponds to the connector E of fuse and relay box in vehicle.
[13]	Terminal No.	Indicate connector terminal No. of part.
[14]	Ignition switch	Indicate power supply from ignition switch to the electrical equipment.
[15]	Module name	Indicate the module connector stacked up and down and its corresponding connector number.
[16]	Connected to	Indicate the wire harness is connected to circuit diagram on the next page. Letter "A" is connected to "A" in the circuit diagram on the next page.
[17]	Name of fuse and relay	Indicate name of fuse and relay.
[18]	Twisting joint	Indicate two wires are twisted.
[19]	Backlight power source	Indicate illumination light power source outputing from backlight adjusting switch.
[20]	LED	Indicator light, warning light, or illumination light used in switch or instrument meter.
[21]	CAN	Indicate CAN wire harness in circuit diagram. Connects to CAN system.

Power source description

"Power Distribution Center" chapter describes parts who transmits current from each power source. In power circuit diagram, explain the battery power supply to each system. Since all system diagram starts from power source, power distribution must be mastered clearly.

EXAMPLE



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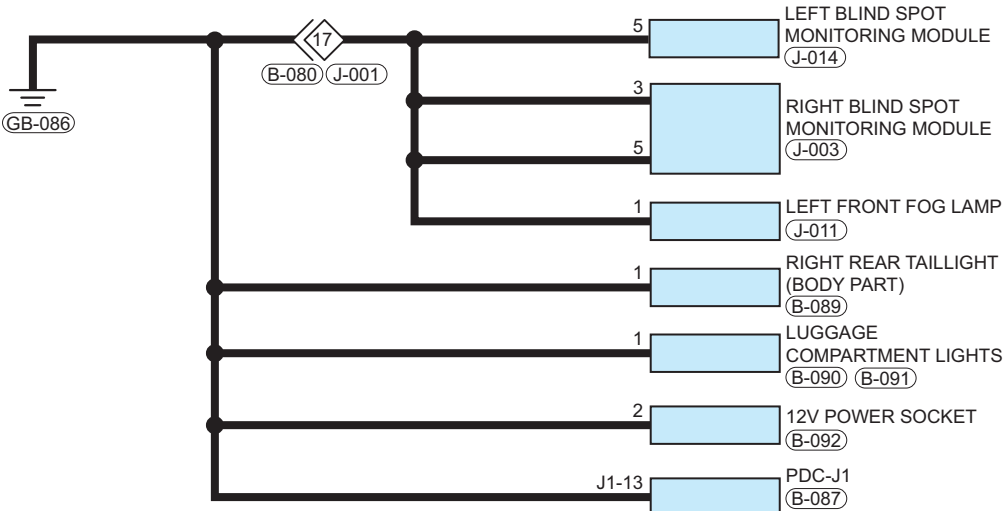
*System shown here is for example only. It is different from the actual circuit shown in "Power Source" section.

Grounding point description

Grounding point circuit diagram presents connection conditions between all main grounding points and main parts. When troubleshooting fault grounding points, inspecting system circuit that using common grounding is helpful to find out fault grounding quickly. This method can also be used to check the connection between grounding points.

EXAMPLE

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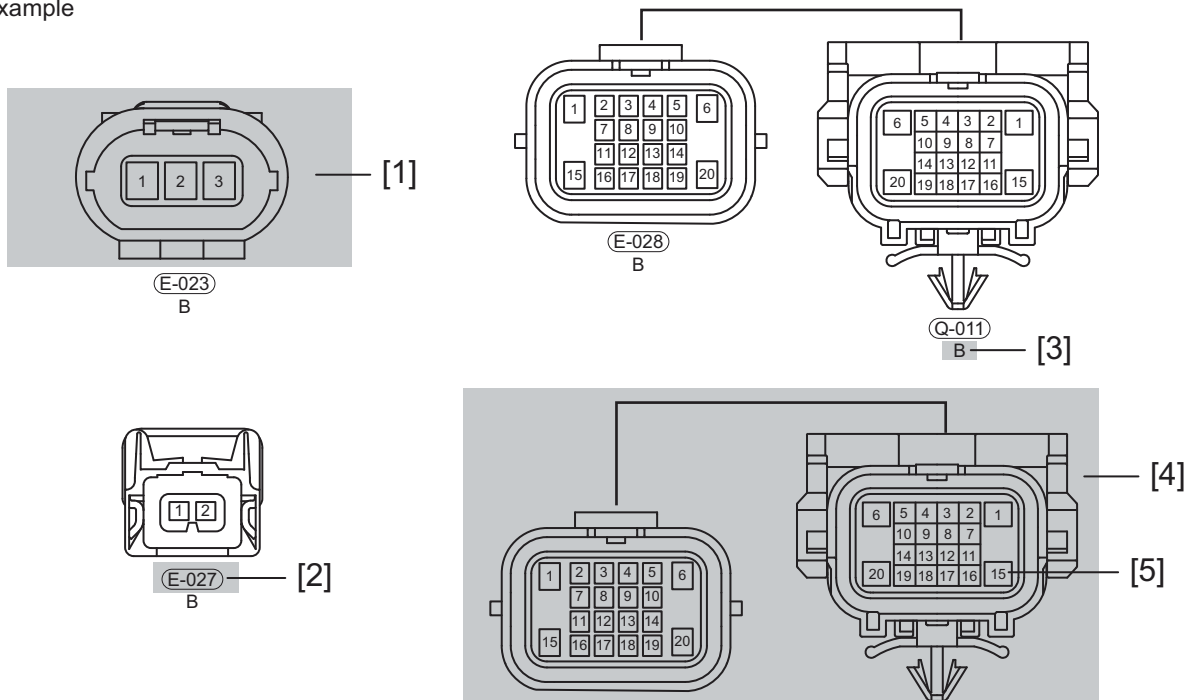
GROUNDING POSITION	PHYSICAL GRAPHICS
<p>RIGHT C-PILLAR INNER PLATE</p>	
	

EWD004001

*System shown here is for example only. It is different from the actual circuit shown in "Grounding Points" section.

Connector list description

Example



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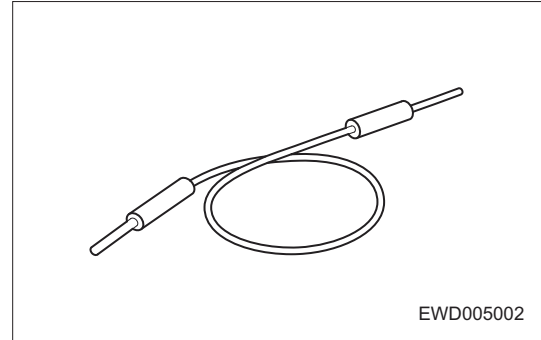
No.	Definition	Description
[1]	Connector	Indicate connector connecting to parts. (The number represents terminal No.)
[2]	Connector code	Indicate connector code.
[3]	Connector color	Indicate color of connector.
[4]	Wire connector	Indicate shape of wire harness connector. Left side: Shape of male connector Right side: Shape of female connector. The No. indicates terminal No.
[5]	Terminal No.	The number represents terminal No. Numbering systems of female connector and female connector are 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 trouble troubleshooting tool

1. Jumper wire

Jumper wire is used to build temporary circuit. Connect jumper wire to terminals of circuit to bypass switch.



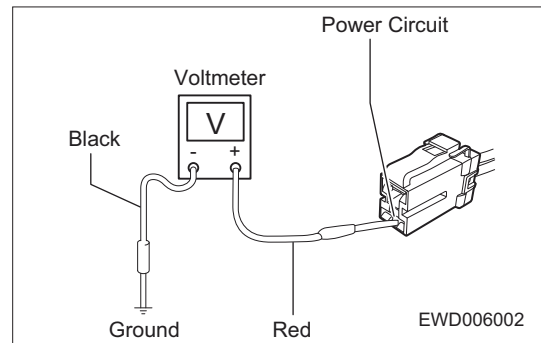
03

WARNING

- Do not connect jumper wire between power source and body grounding otherwise, wire harness or electrical component is damaged.

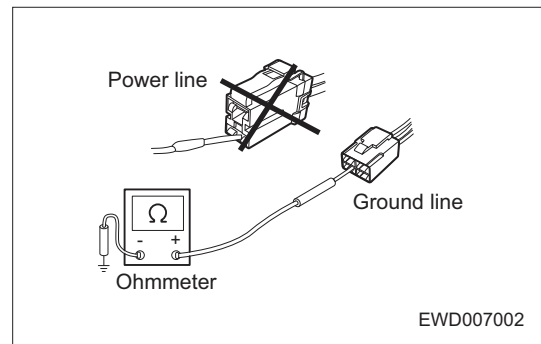
2. Voltmeter

Voltmeter is used to measure circuit voltages. Measurement range should exceed 15 V. Measure voltage by connecting voltmeter positive probe (red) to positive lead of part to be tested, and connecting negative probe (black) to the negative lead or vehicle body ground.



3. Ohmmeter

Ohmmeter is used to measure resistance between two points in a circuit or to check for circuit break or short circuit.



WARNING

- Do not connect an ohmmeter to circuit when applying voltage to the circuit, otherwise, the measurement data may be inaccurate or even the ohmmeter may be damaged.

Troubleshooting electrical trouble

Troubleshooting wire harness

The following 6 steps are used to troubleshoot wire harness. Before performing any diagnosis, always check vehicle for any non-original part. If the vehicle is equipped with such part, disconnect it to confirm that fault is not caused by it.

When troubleshooting wire harness, perform the following steps:

1. Confirm the fault.
2. Inspect to find any related fault (by checking part in the same circuit).
3. Analyze the symptoms (Refer to circuit diagram to determine circuit layout and find out the most likely area of failure and area where the to be diagnosed further).
4. Separate the fault area.
5. Repair the fault area.
6. Check if it operate normally (in this step, check if all parts in circuits are normal).

Voltage test

1. Establish voltage existence condition of check point.

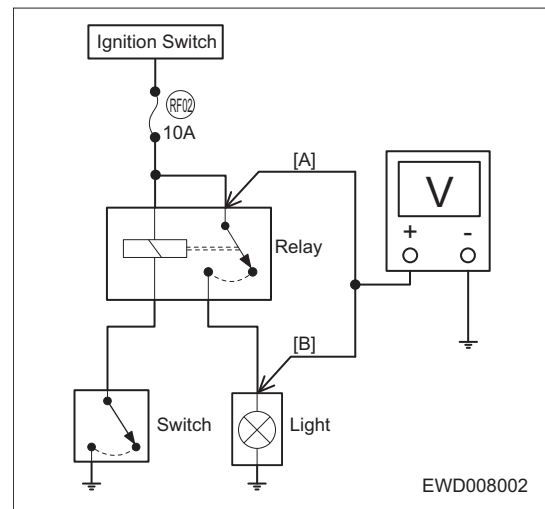
Example:

[A] – ignition switch ON

[B] – ignition switch and switch ON

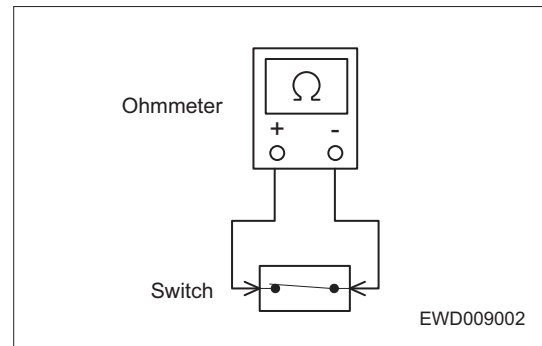
2. Connect negative probe (black) of voltmeter to good grounding point or negative terminal of battery. Connect positive probe (red) to connector or component terminal.

When checking, use a test lamp can be used as a substitution of a voltmeter.



Circuit conduction test

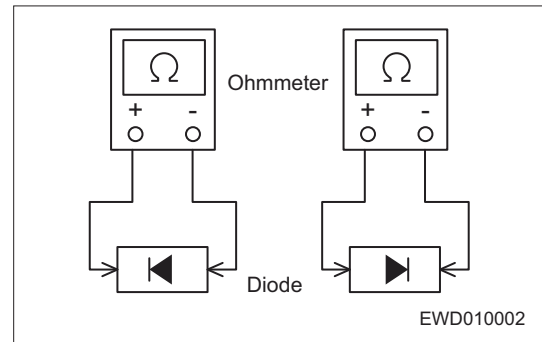
1. Turn off all electrical equipment and ignition switch; Disconnect battery negative cable.
2. Remove the tested circuit.
3. Connect two probes of ohmmeter to both ends of tested circuit and check circuit conduction (small resistance indicates good circuit conduction).



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

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

There is no continuity if the two probes are interchanged.



Short-circuit test

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

A test lamp can be used as a substitution of a voltmeter when checking.

Electricity maintenance

Wire harness maintenance

WARNING

- Measure length of the lead to be repaired, and select a suitable alternative lead before maintaining.
- If there are several leads to be repaired, shake parts to tested.

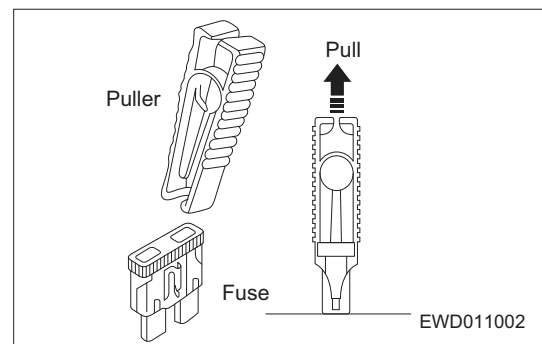
1. Remove 0.5 inch insulating layer from lead repaired and the replacement one.
2. With shrinkable pipe, connect the original lead to the replacement one, and compress metal core of the shrinkable pipe with a tool to firmly connect original lead to replacement lead.
3. Heat shrinkable pipe to shrink outer rubber layer to keep good sealing of maintenance area.
4. Wrap maintenance lead with insulation tape.

Fuse replacement

WARNING

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

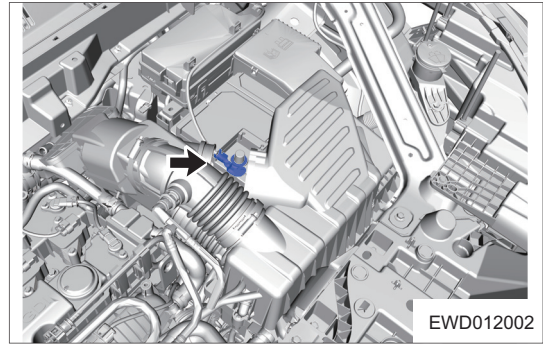
1. Before maintaining, turn off all electrical equipment and Engine Start Stop Switch.
2. Remove the blown fuse with a fuse remover.
3. Replace with a new fuse with same specifications.



Electrical parts

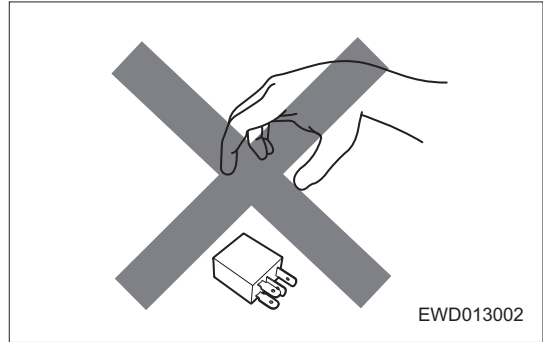
1. Battery cable

Before repairing electrical parts, Disconnect battery negative cable (arrow).



2. Sensor, switch and relay

During maintaining, do not drop or hit any sensor, switch or relay to avoid damaging any part.



03

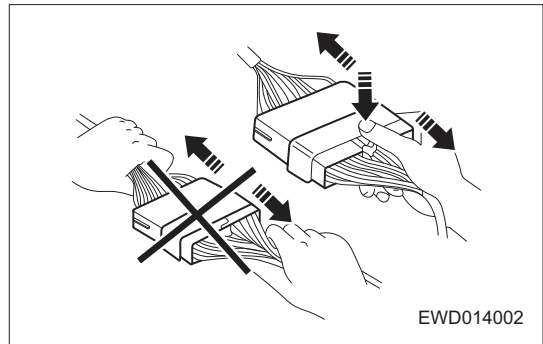
WARNING

- When replacing, replace with a relay with the same specifications as the original one.

3. Connector

a. Disconnect the connector.

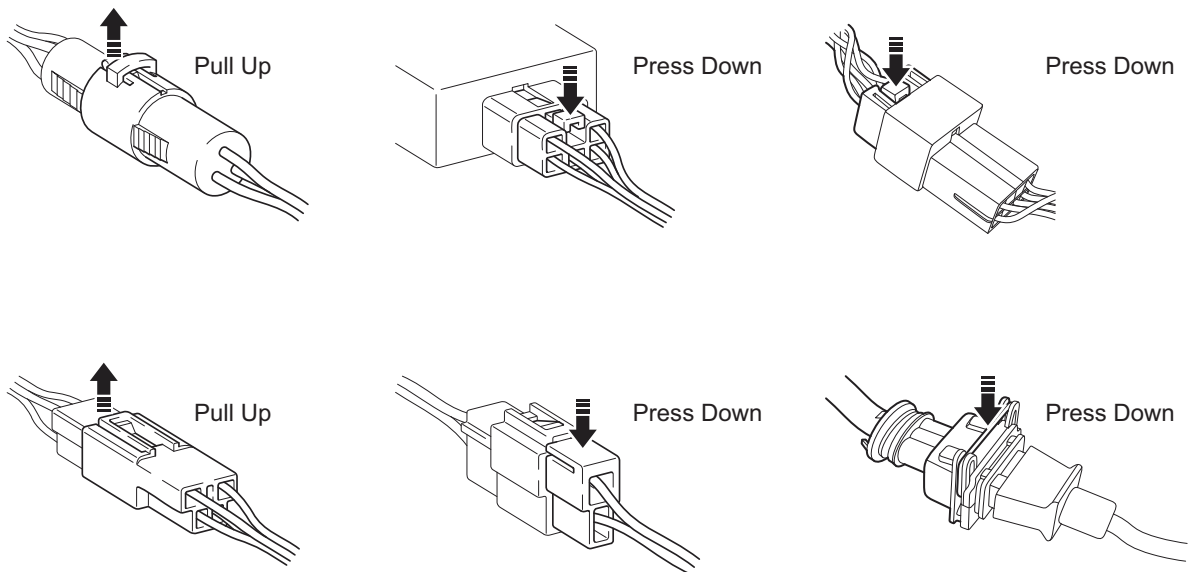
To detach the connector, pull connector body and press the clip to disengage.



WARNING

- When disconnecting connector, do not pull wire harness with force to avoid damaging parts.

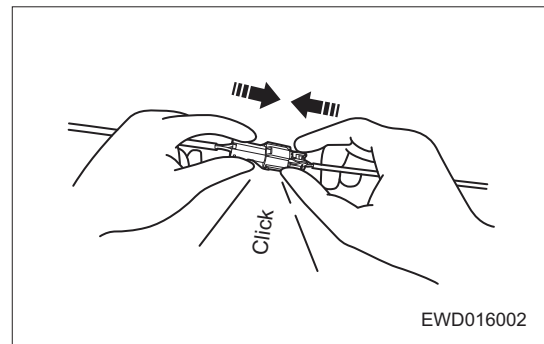
There are many ways to fix connector clip, and the following figure shows the common disconnection method.



EWD015002

b. Install the connector.

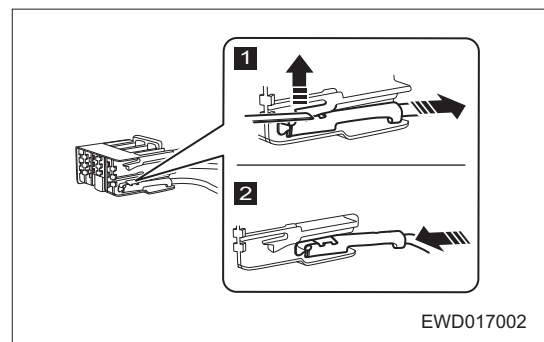
A "click" sound can be heard when the connector is installed in place.



EWD016002

c. Replace connector terminal.

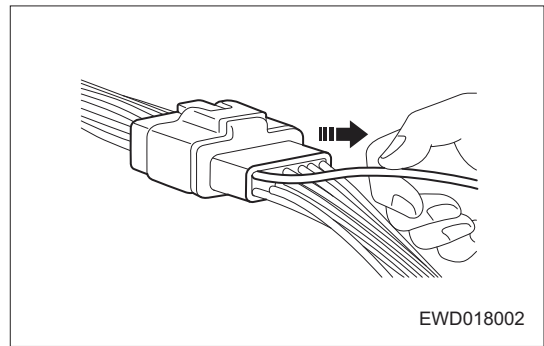
As shown in figure (1), insert a proper tool into the terminal to lift fixing clip and then pull the terminal out from behind. As shown in figure (2), during installation, push the terminal from back side of the connector to ensure the fixing clip is installed in place.



EWD017002

d. Inspect connector terminal.

Gently pull a terminal wire harness to check that it is in place.



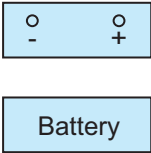

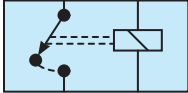
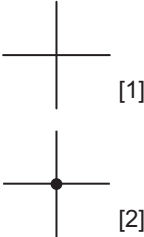

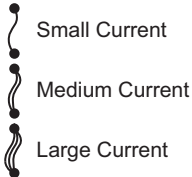
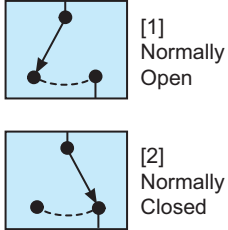

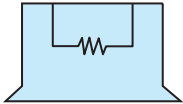
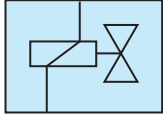
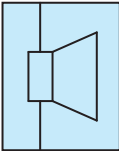

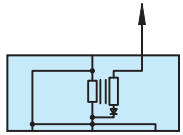

Abbreviation

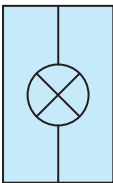

The following abbreviations are used in this manual.

Abbreviation	Glossary
A	Ampere
ACM	Airbag Control Module
ACP	Audio Control Panel
AIPM	A/C Control Panel
AVM	Panoramic View Monitor System
AWD	4WD Module
BCM	Body Control System
BSDL	Left Blind Spot Monitor System
BSDR	Right Blind Spot Monitor System
CCPR	Rear A/C Control Panel
CLM	Automatic A/C Control Module
CWC	Wireless Charging Module
DCM	Door Control Module
DMC	Infotainment Domain Controller
DVR	Driving Recorder
EGS	Button Type Electronic Shift Module
EMS	Engine Management System
EPS	Power Assist Steering System
ESP (iEPB)	Electronic Stability Control Module (Integrated Electric Parking Brake)
FCM	Front Camera Module
FPC	Fuel Pump Controller
FRM	Front Radar Module
HUD	Headup Display Module
PDC	Backing Distance Assist System
PEPS	Keyless Entry Start Module
PLG	Power Back Door Module
RLS	Solar and Rain Sensor
SCM	Steering Column Module
SCU	Seat Control Module
TCU	Transmission Control Unit
TGW	Remote Communication Gateway

Abbreviation	Glossary
VGW	Vehicle Gateway Module
APA	Automatic Parking Assist System

Glossary and Symbol Table

	<p>Battery Store chemical energy and convert it into electrical energy. Provides direct current for various circuits.</p>		<p>Ground Point where wire harness and vehicle body is connected for loop circuit; Without grounding wire, current cannot run.</p>
	<p>Relay Generally it is an electrical switch that can be normally closed or opened. Current flowing through the small coil of electronic switch generates a magnetic field that can turn on or off contact switch.</p>		<p>Wire harness On a circuit diagram, wire harness is always represented by a straight line. If there is no black spot at the intersection, it means that there is not connected; If there is black spot at the intersection, it means that it is cross-connection.</p>
	<p>Motor A power device that converts electrical energy into mechanical energy (especially rotational motion).</p>		<p>Fuse A sheet of metal. When the excessive current passes through fuse, the fuse is blown to prevent circuit damage.</p>
	<p>Switch Therefore, turn on and off circuit, stop [1] or allow [2] to be powered.</p>		<p>Twisting Two wire harnesses are twisted together to transmit signals.</p>
	<p>Speaker An kind of electromechanical device which generates sound waves using current.</p>		<p>Solenoid Valve An kind of solenoid coil, magnetic field can be generated the current flows, so as to move the core, etc.</p>
	<p>Horn An electronic device which can generate high-frequency audio signal.</p>		<p>LED (light emitting diode) LED also use electricity to emit light. Compared with ordinary lamp, LED do not generate heat when it emits light.</p>
	<p>Ignition Coil Convert low voltage DC to high voltage ignition current to ignite spark plug.</p>		<p>Resistor An electrical component with a fixed resistance and it is installed in a circuit to reduce voltage to specified value.</p>

	<p>Light When current flows through the filament, the filament becomes hot and gives out light.</p>		<p>Heating wire harness A resistance heating element.</p>
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Fuse and Relay Information

General information

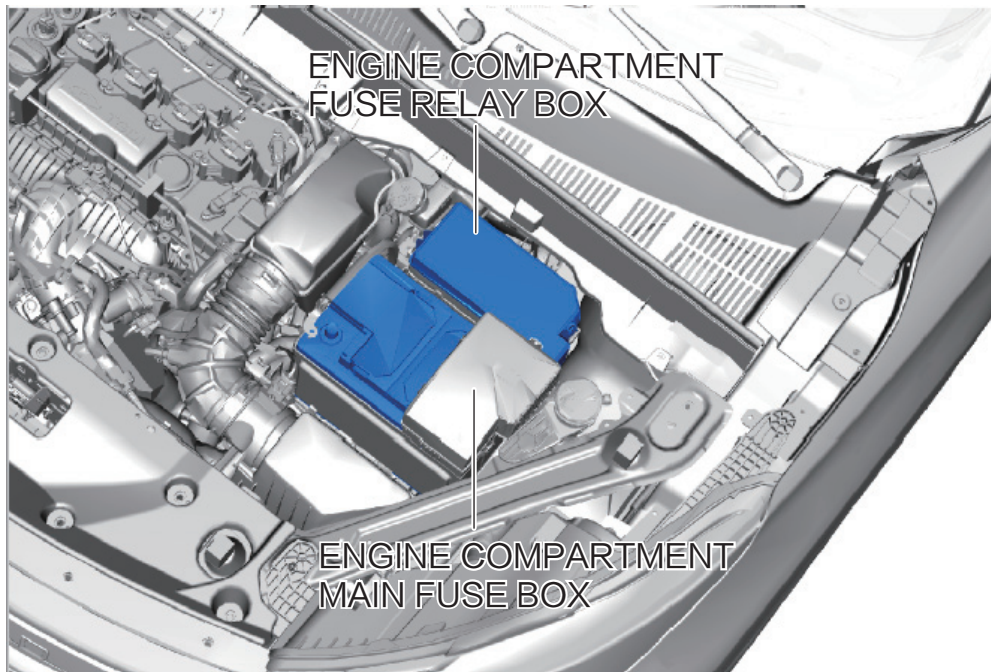
Each system shall be equipped with fuse and relay to ensure the proper operation of vehicle electrical system.

The fuse and relay are integrated in a fuse and relay box and installed in the following positions of the vehicle:

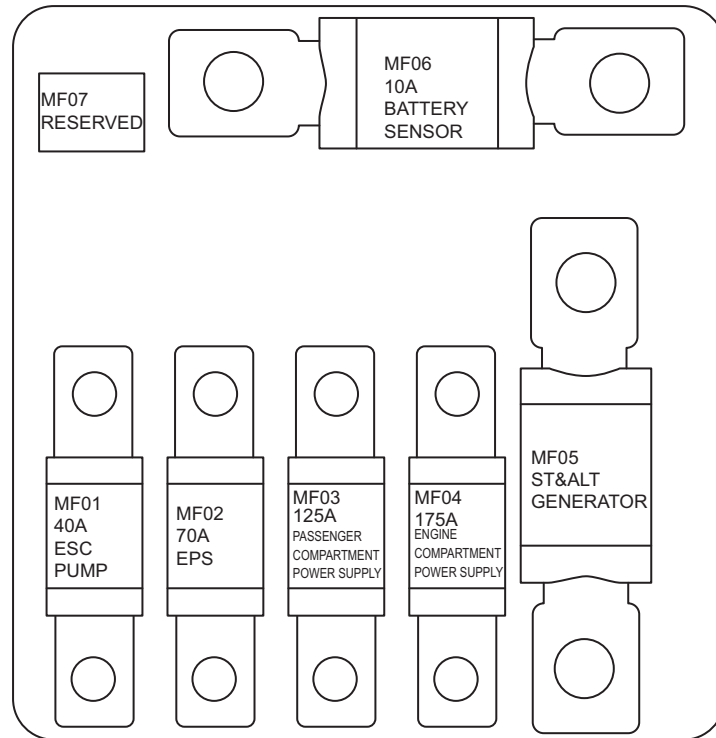
- Engine compartment fuse and relay box: Located on the left side of the engine compartment and behind the battery.
- Instrument panel fuse and relay box: Located in the lower left of instrument panel.

Engine compartment fuse relay box

Engine compartment master fuse relay box and engine compartment fuse relay box position



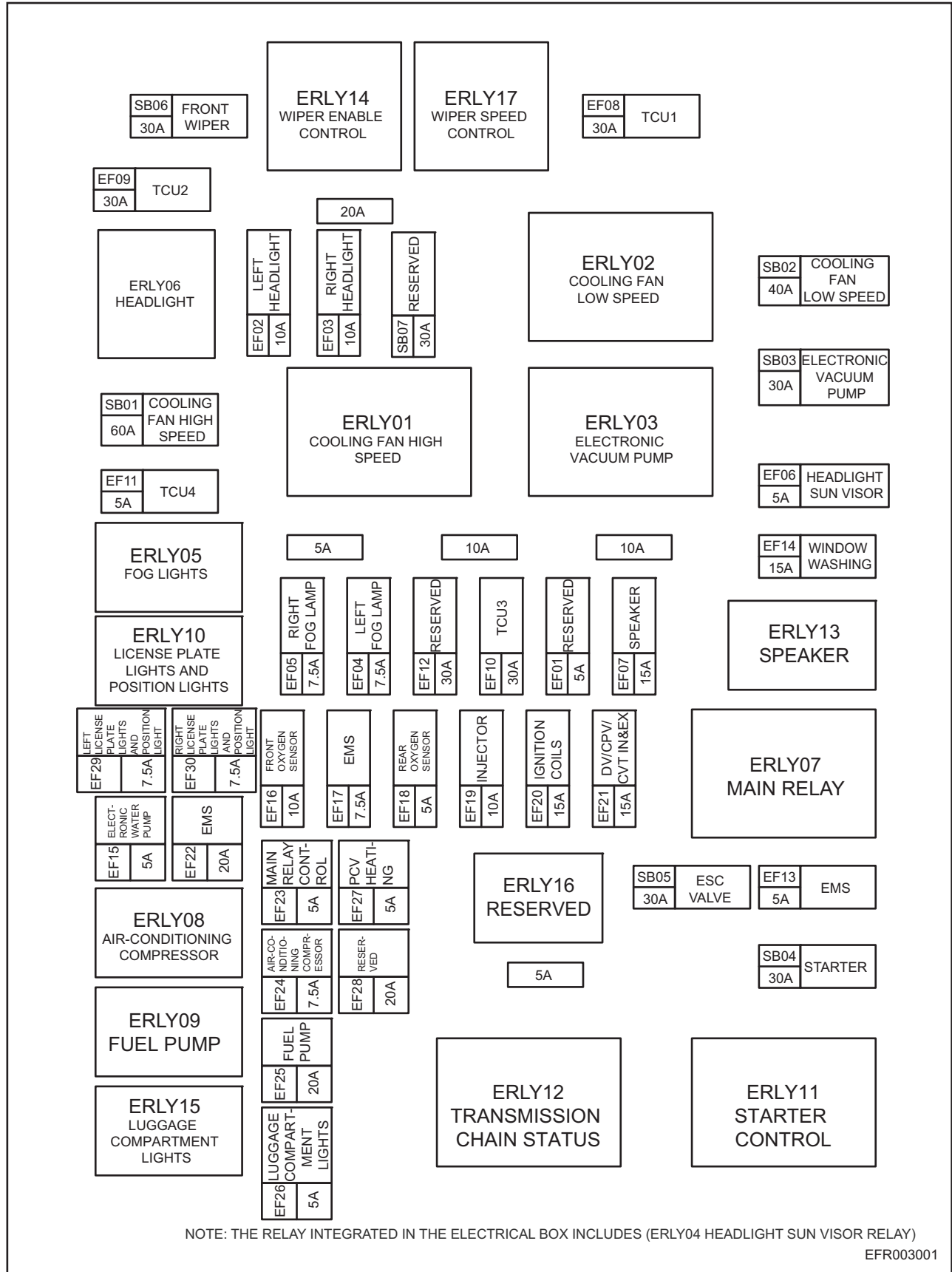
Engine compartment master fuse box layout detailed description

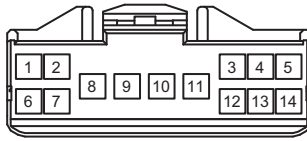


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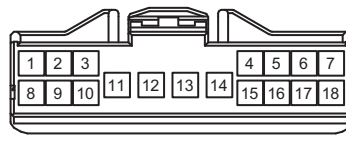
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Engine compartment fuse relay box layout detailed description

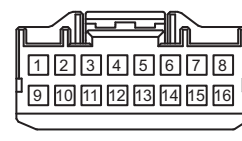




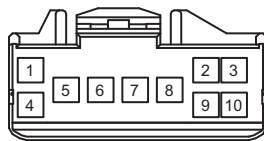
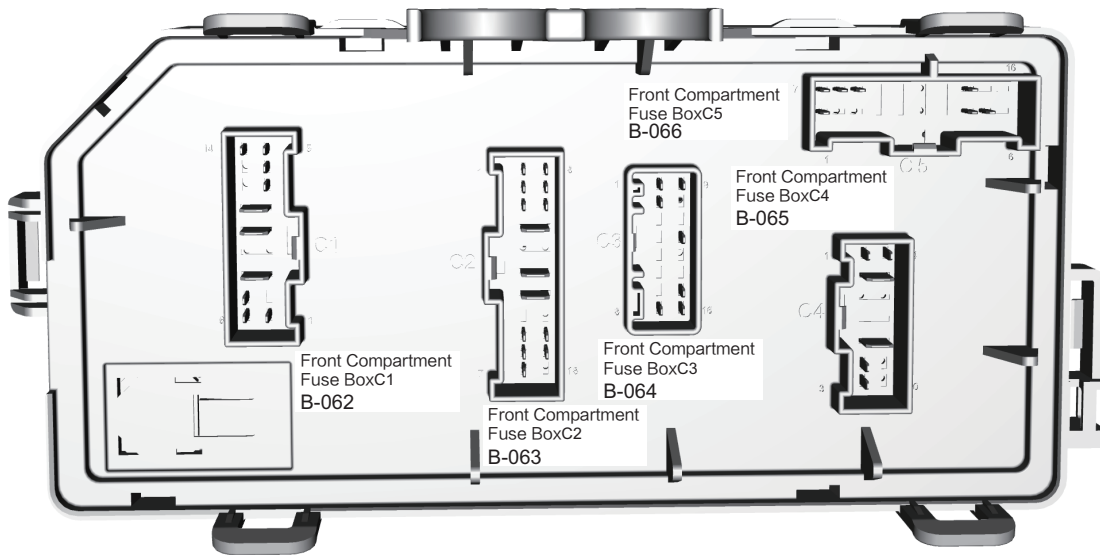
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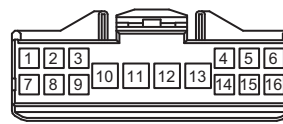
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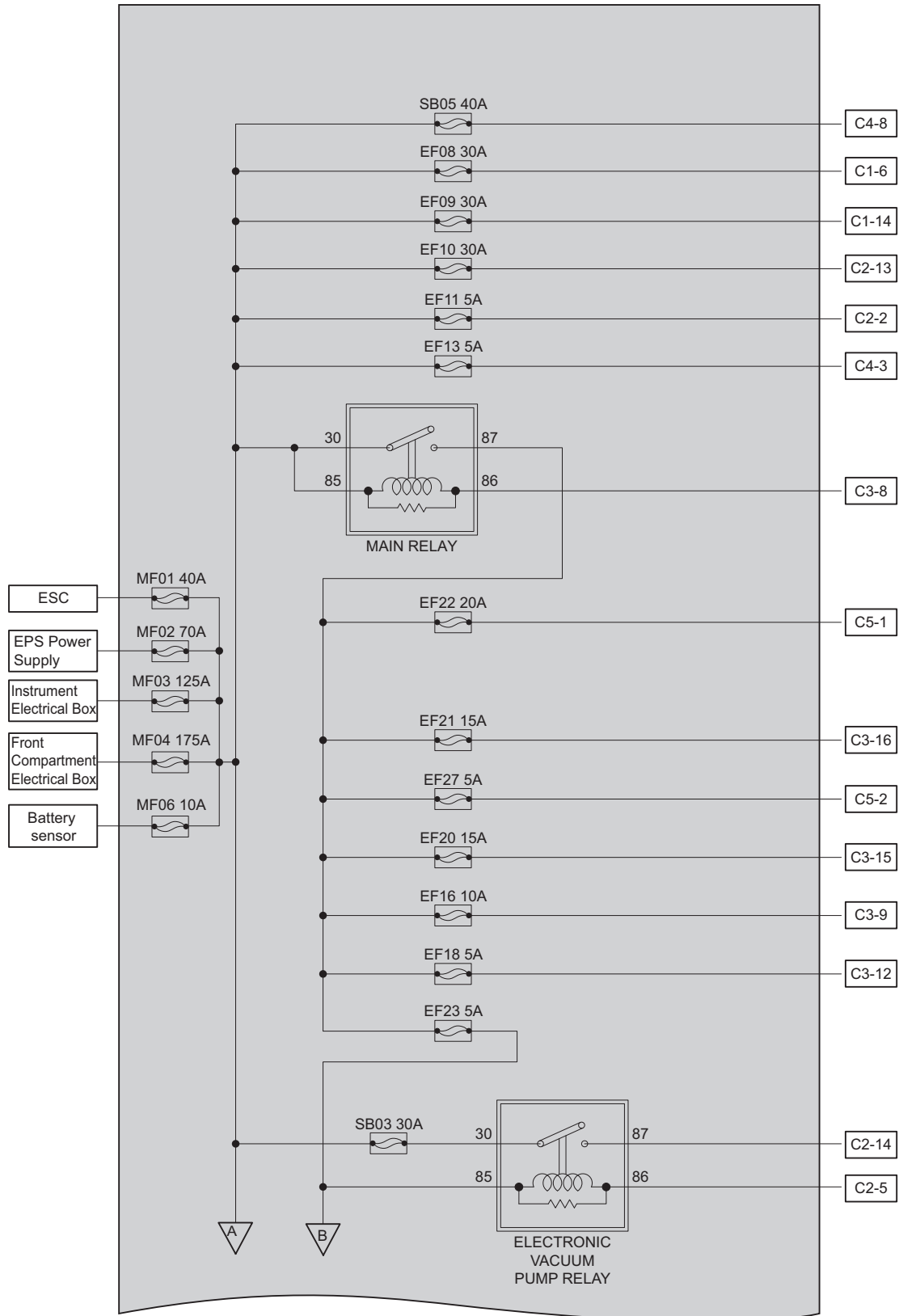
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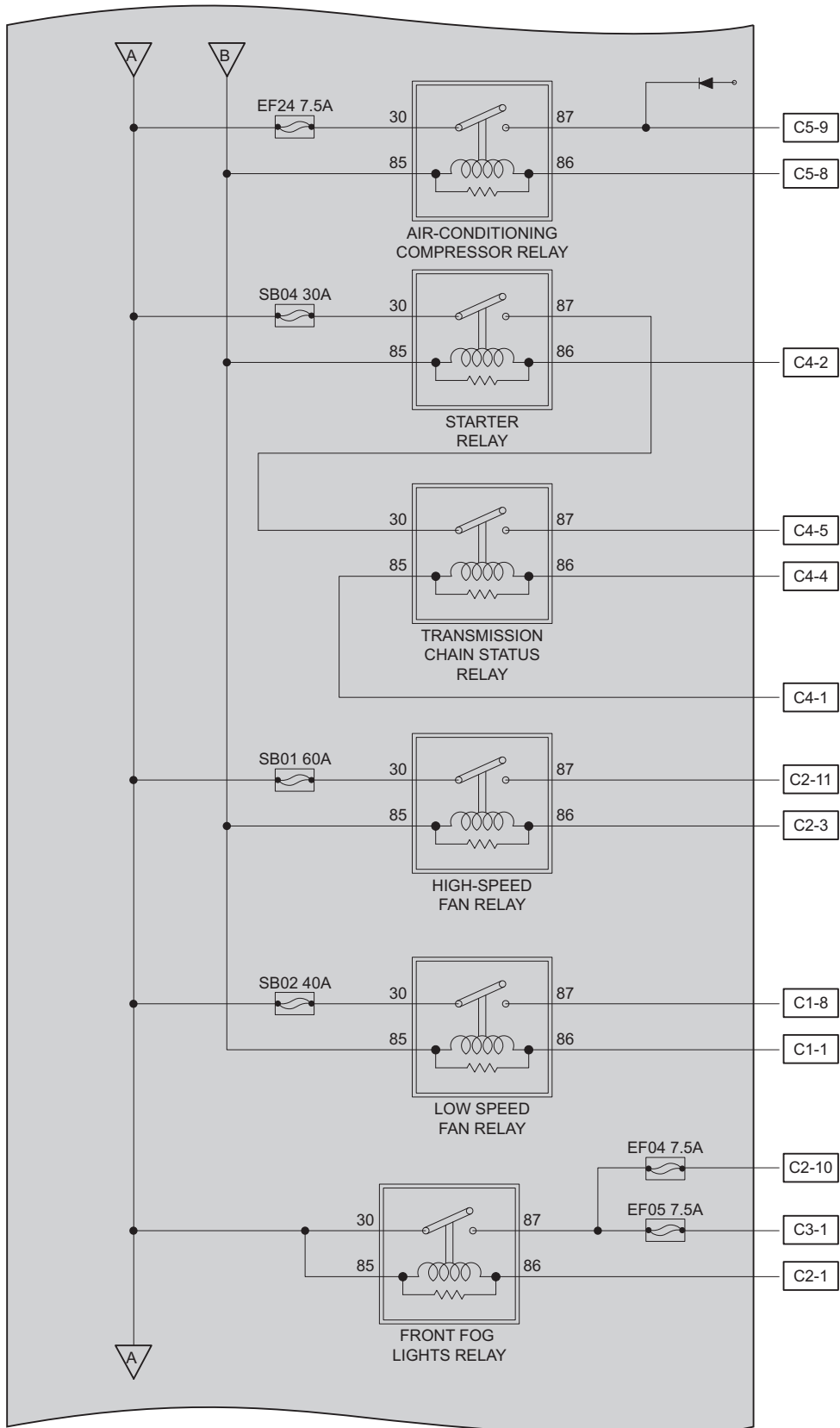
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Engine compartment master fuse relay box and engine compartment fuse relay box internal circuit

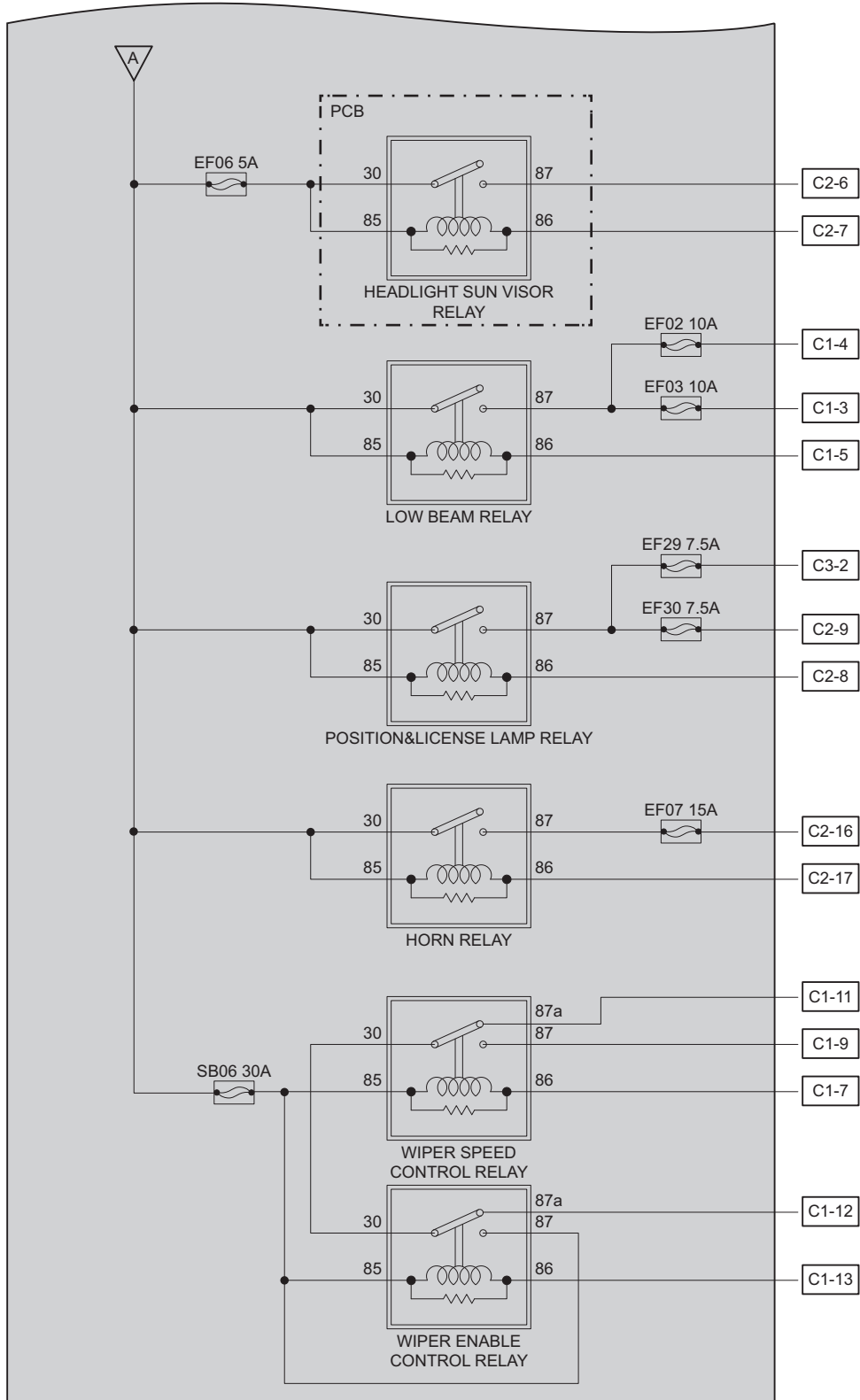


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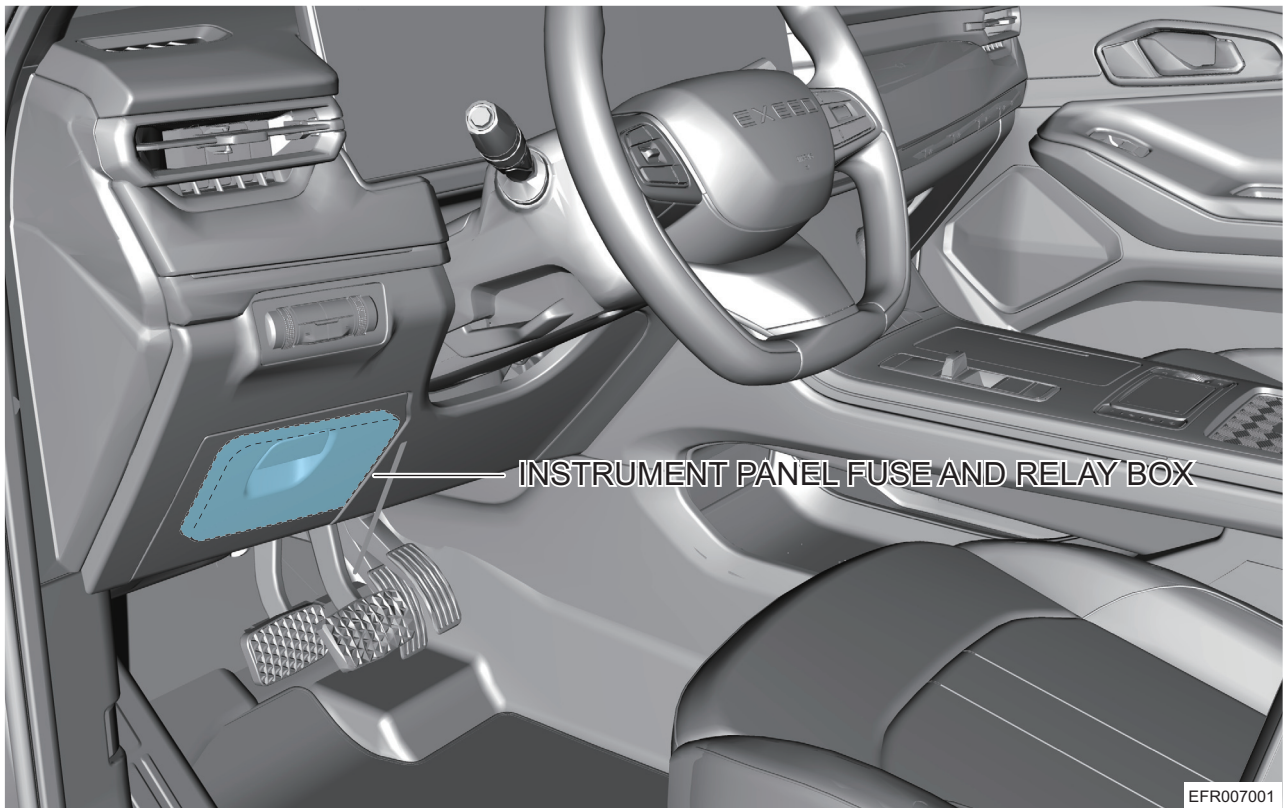
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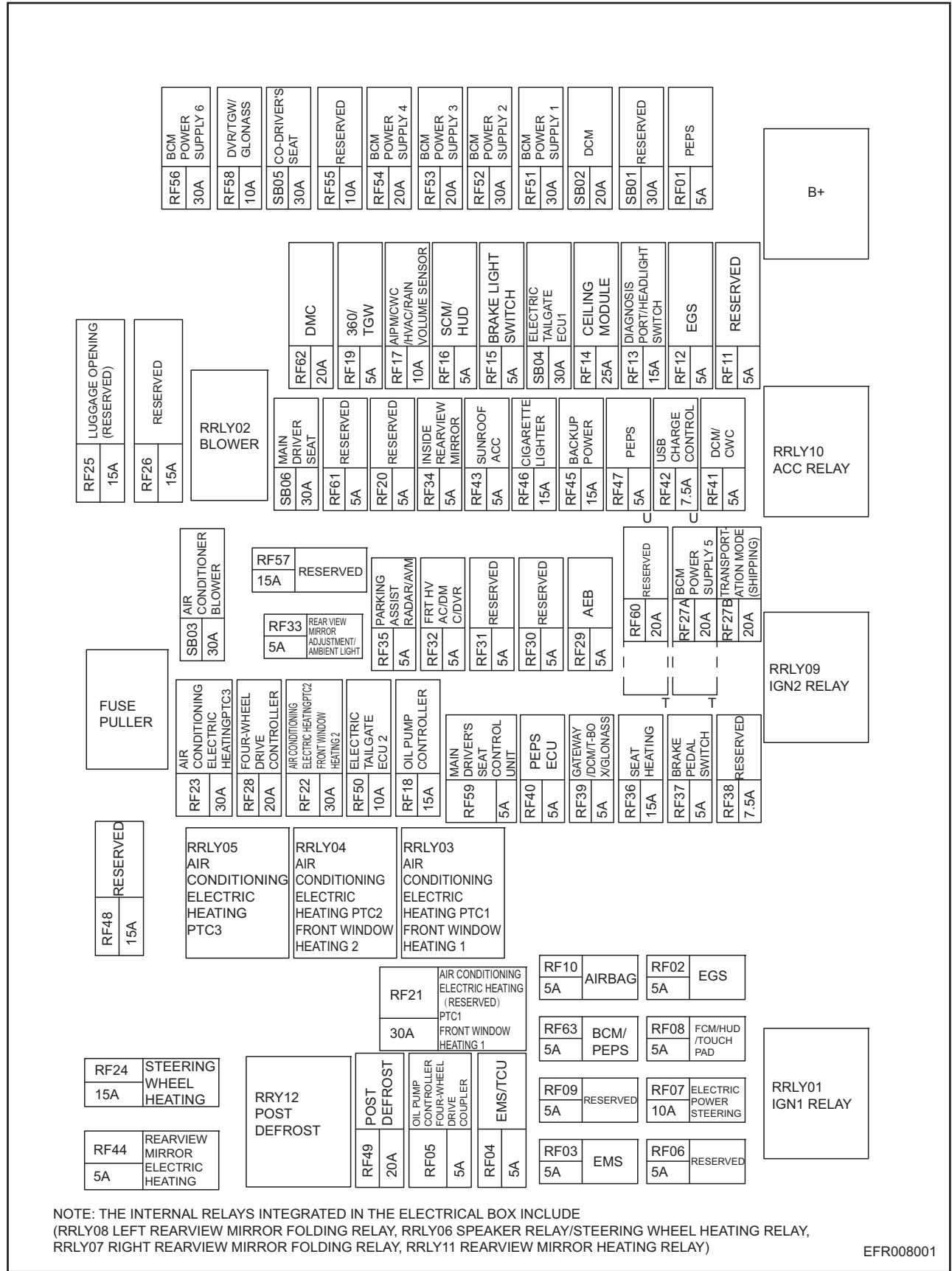
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Instrument fuse relay box

Instrument fuse relay box position

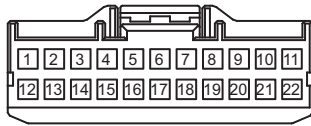


Instrument fuse relay layout detailed description

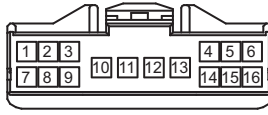


EFR008001

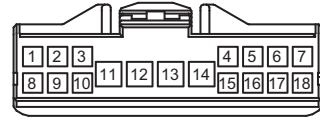




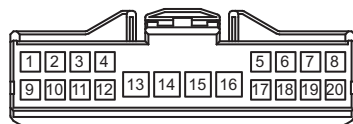
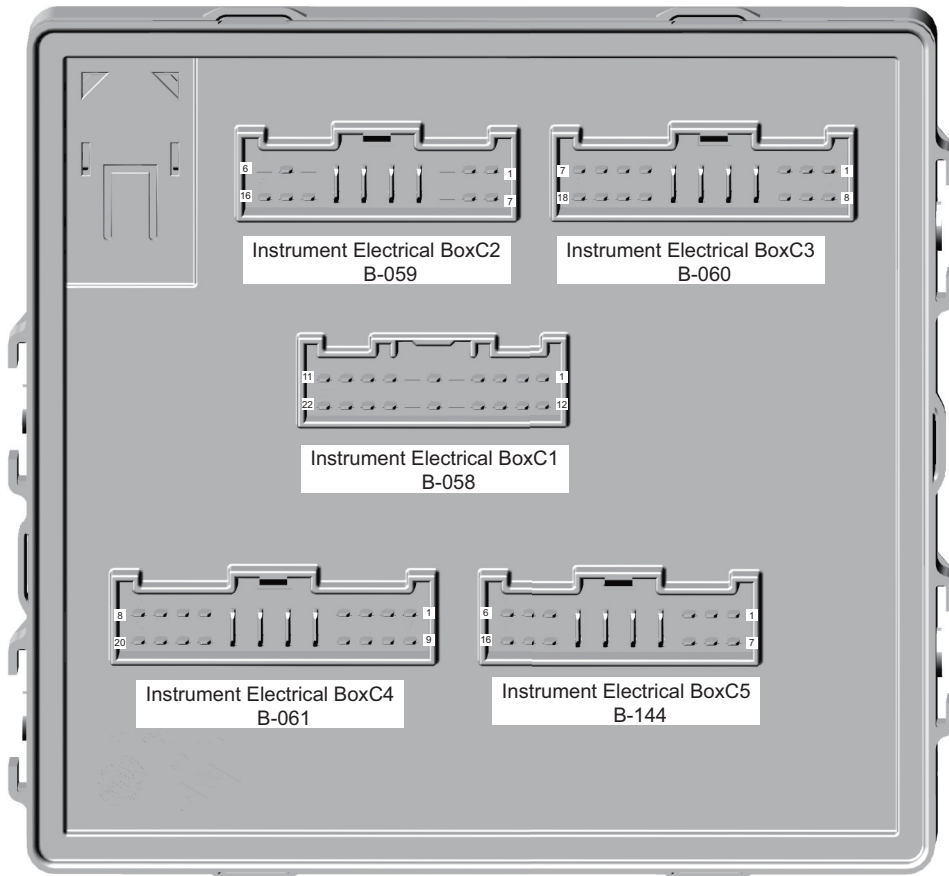
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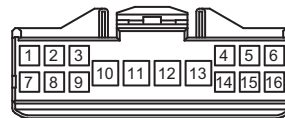
(B-059)
W



(B-060)
W



(B-061)
W



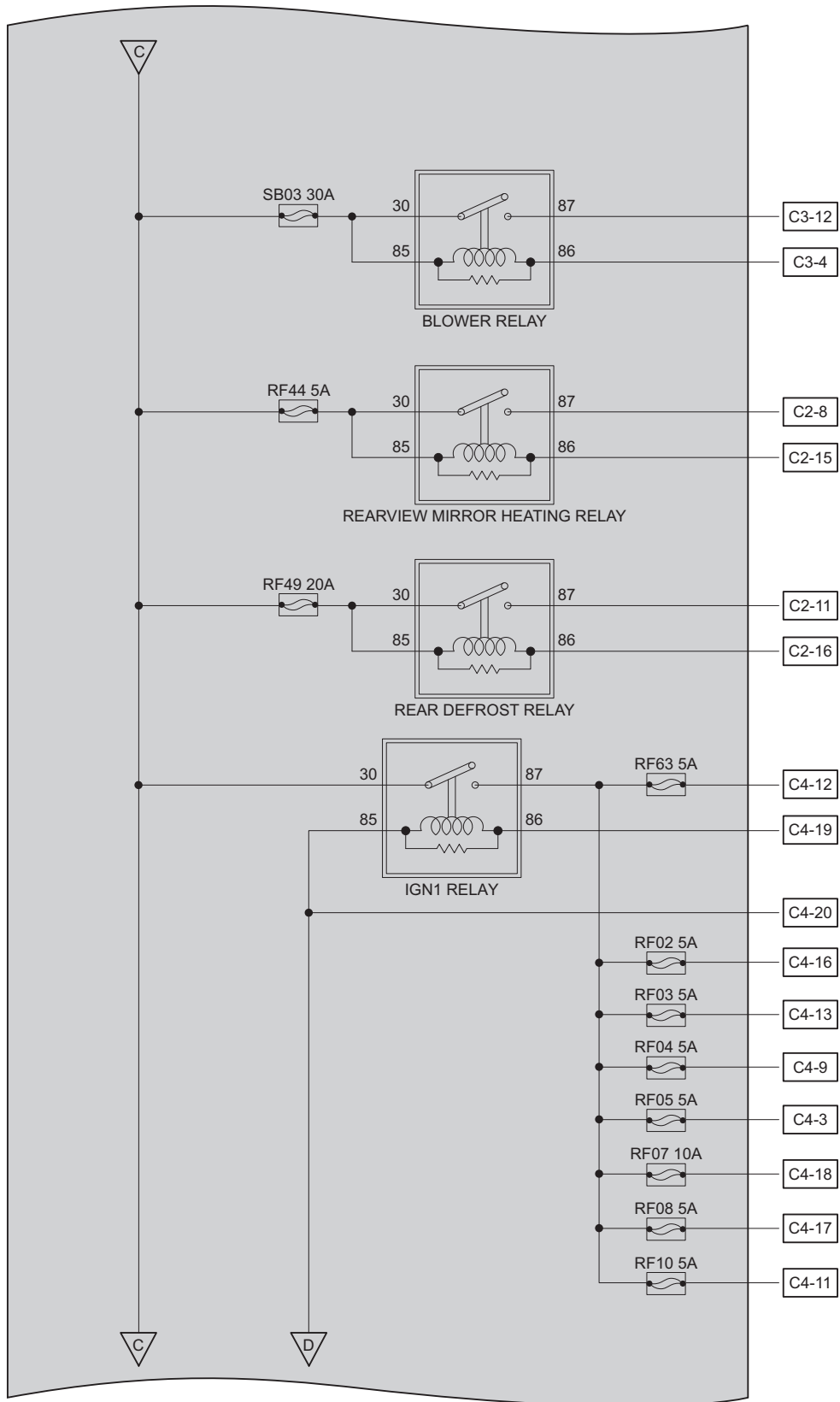
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EFR013001

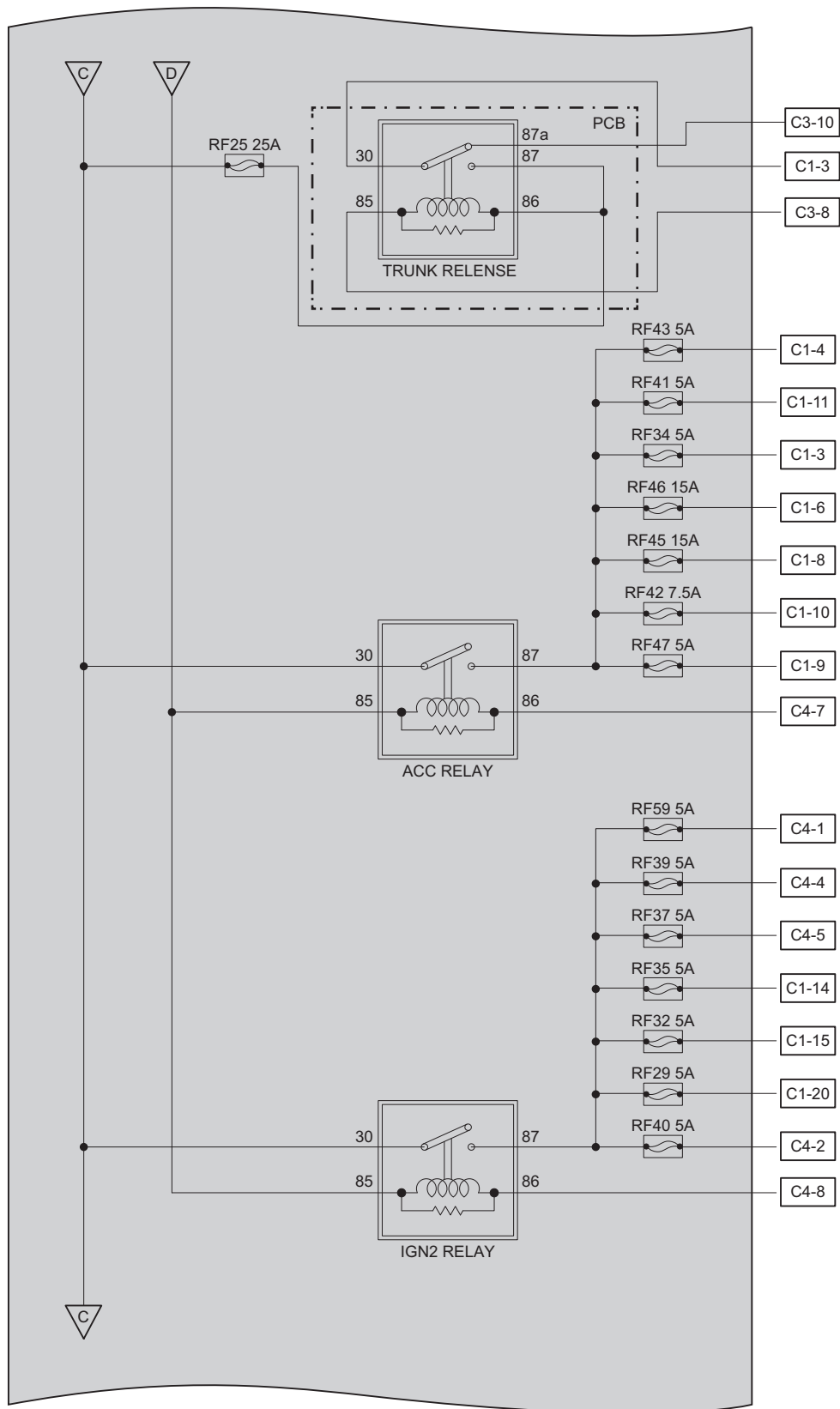
Instrument fuse relay box internal circuit



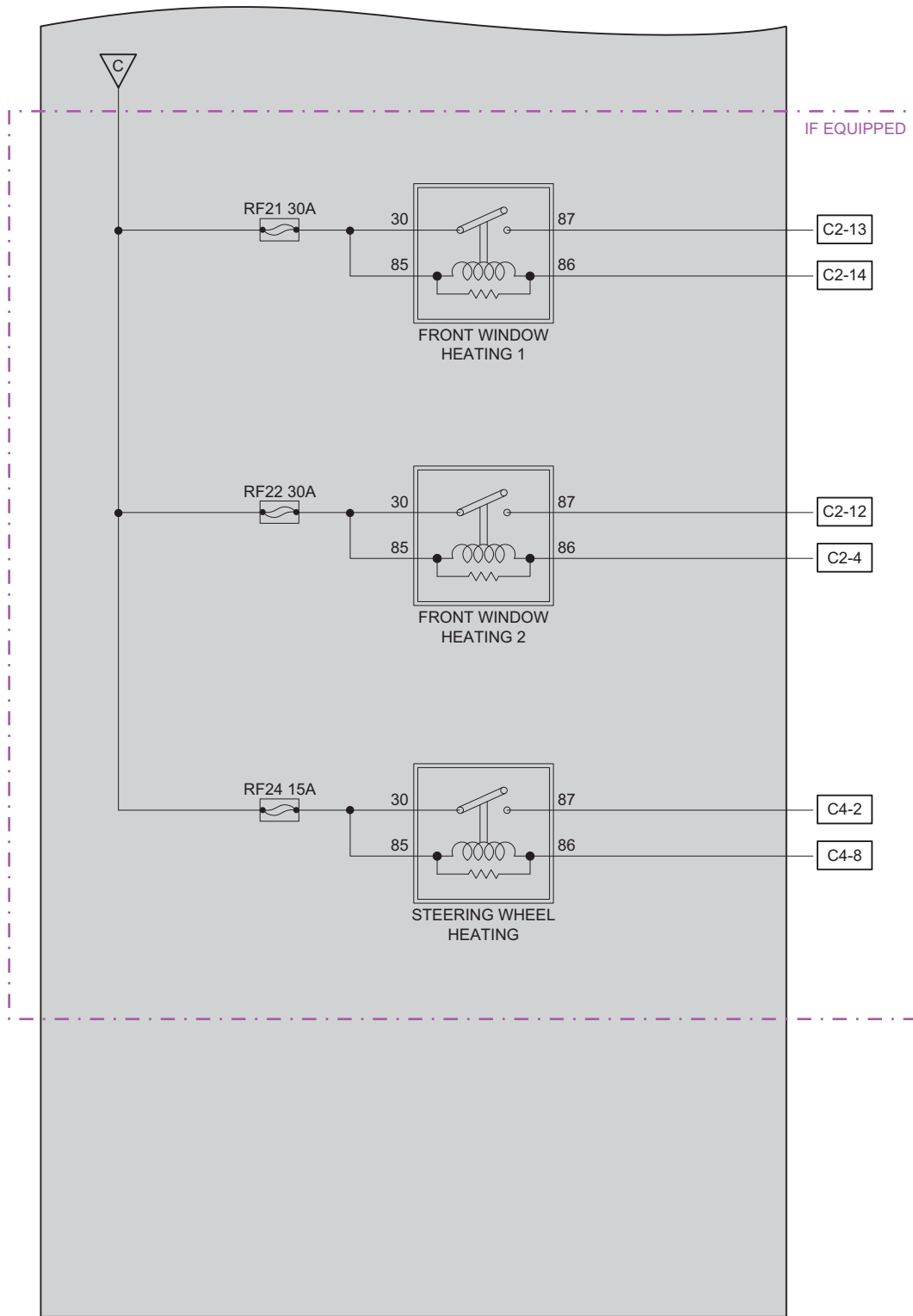
EFR009001



EFR010001



EFR011001



06

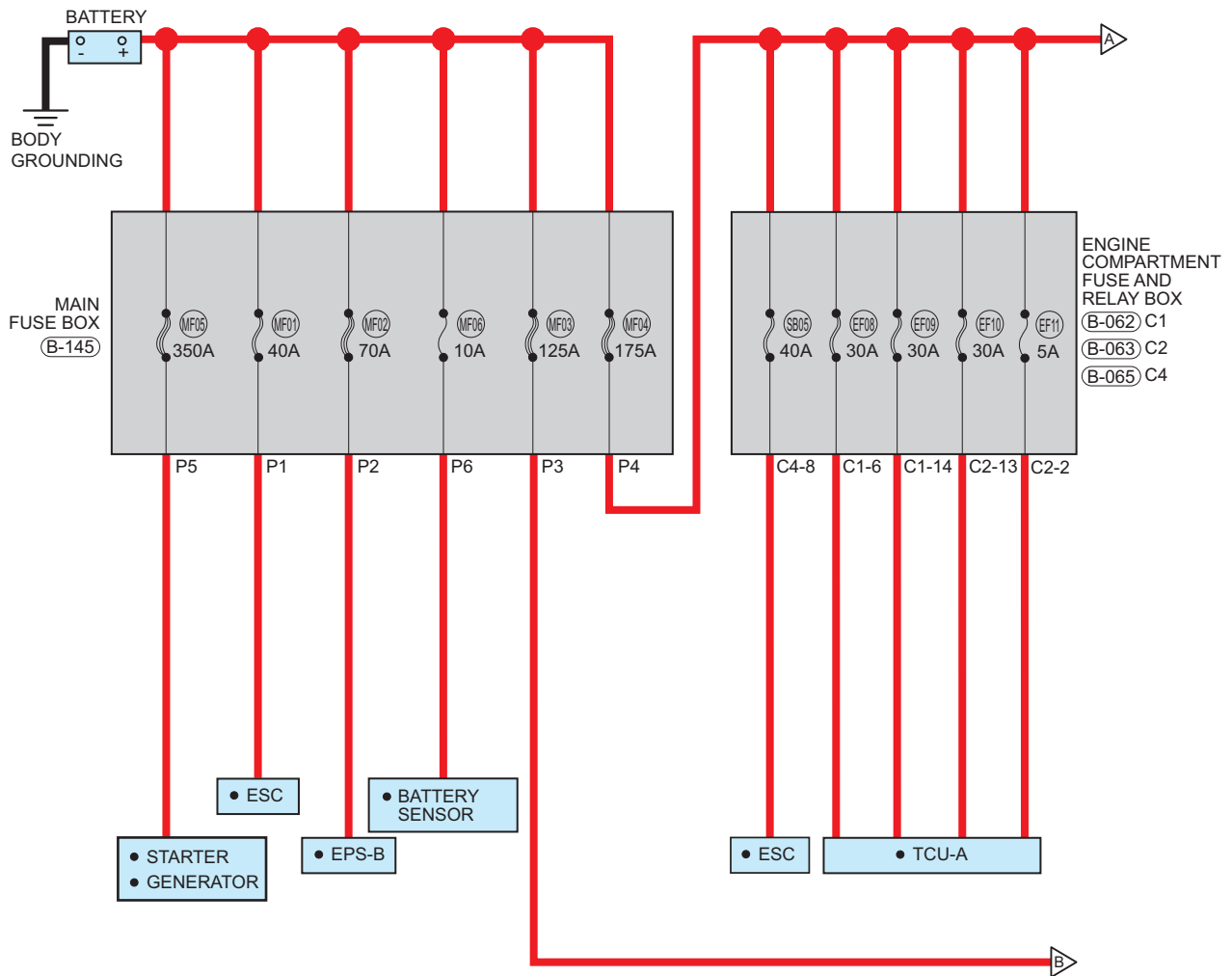
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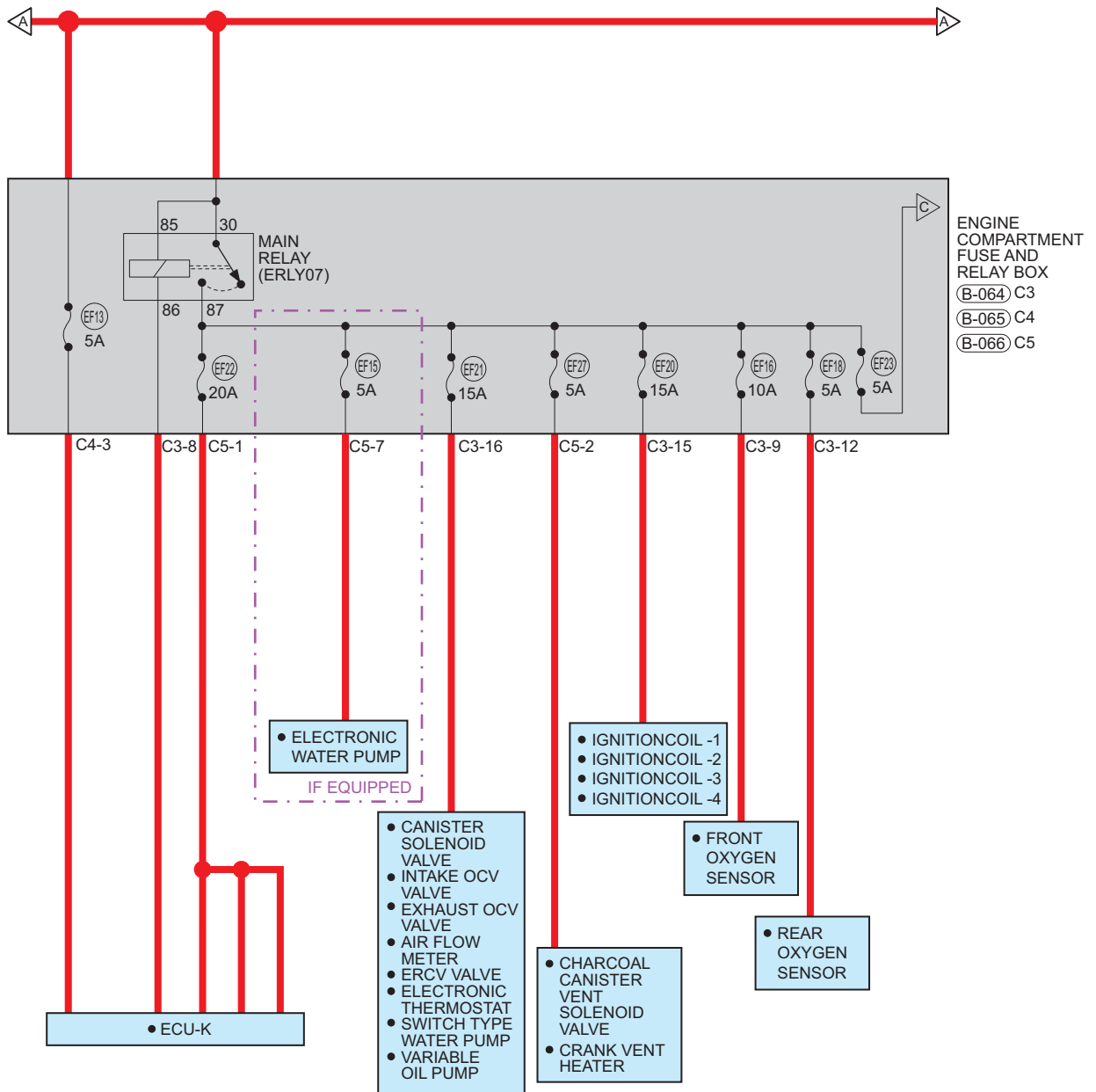
Power Source Distribution Center

General information

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

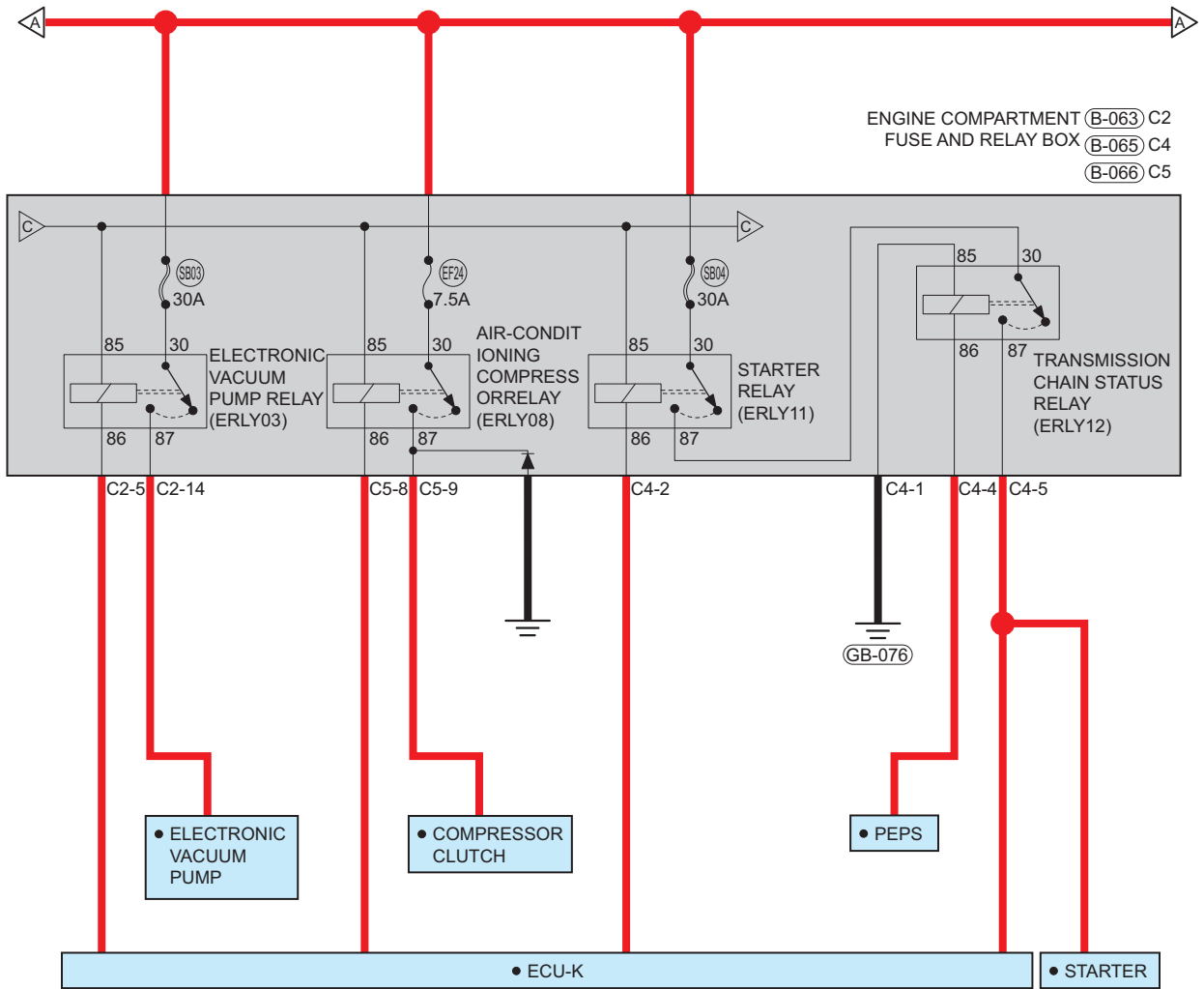
Power source distribution





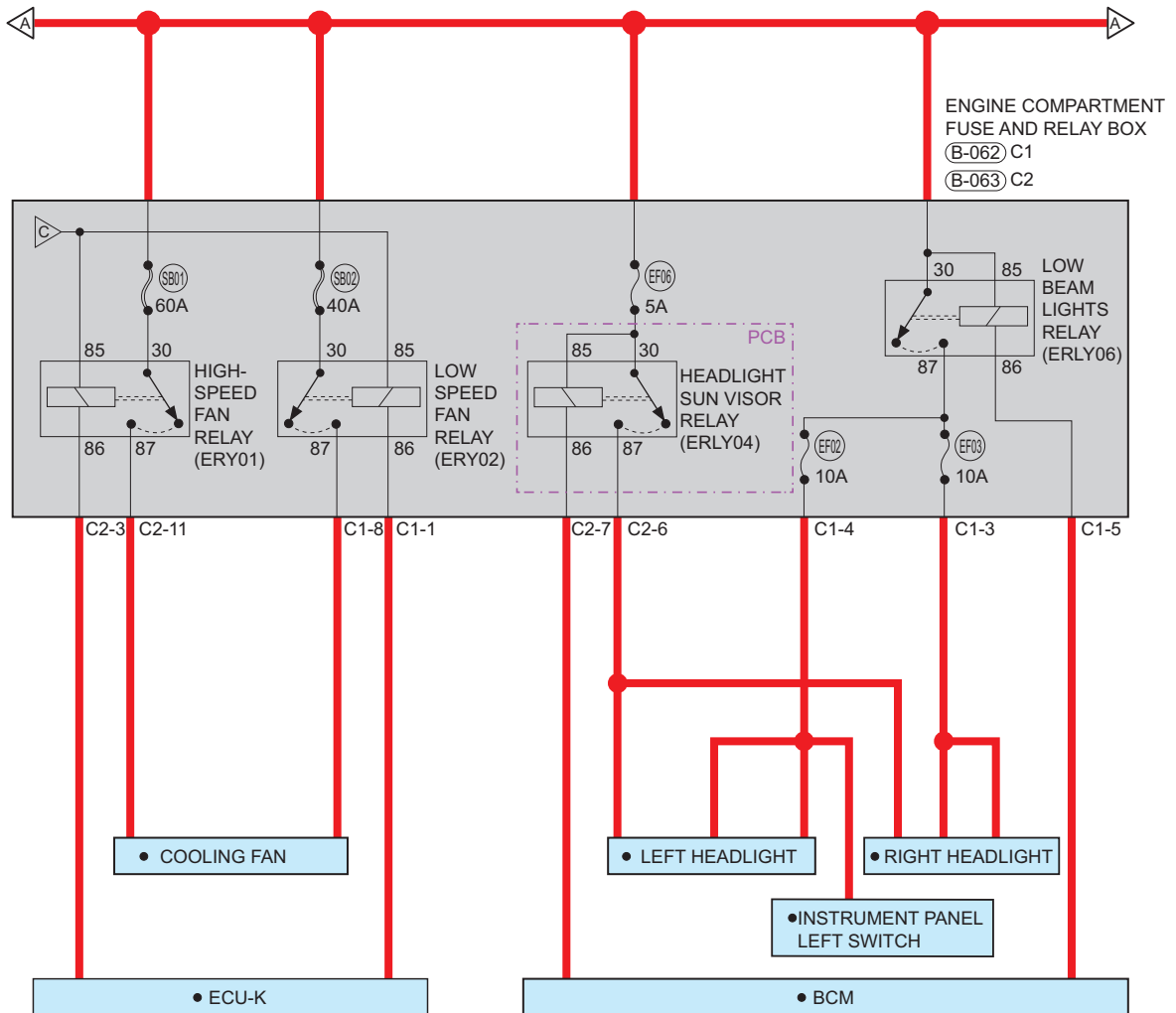
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POE002001



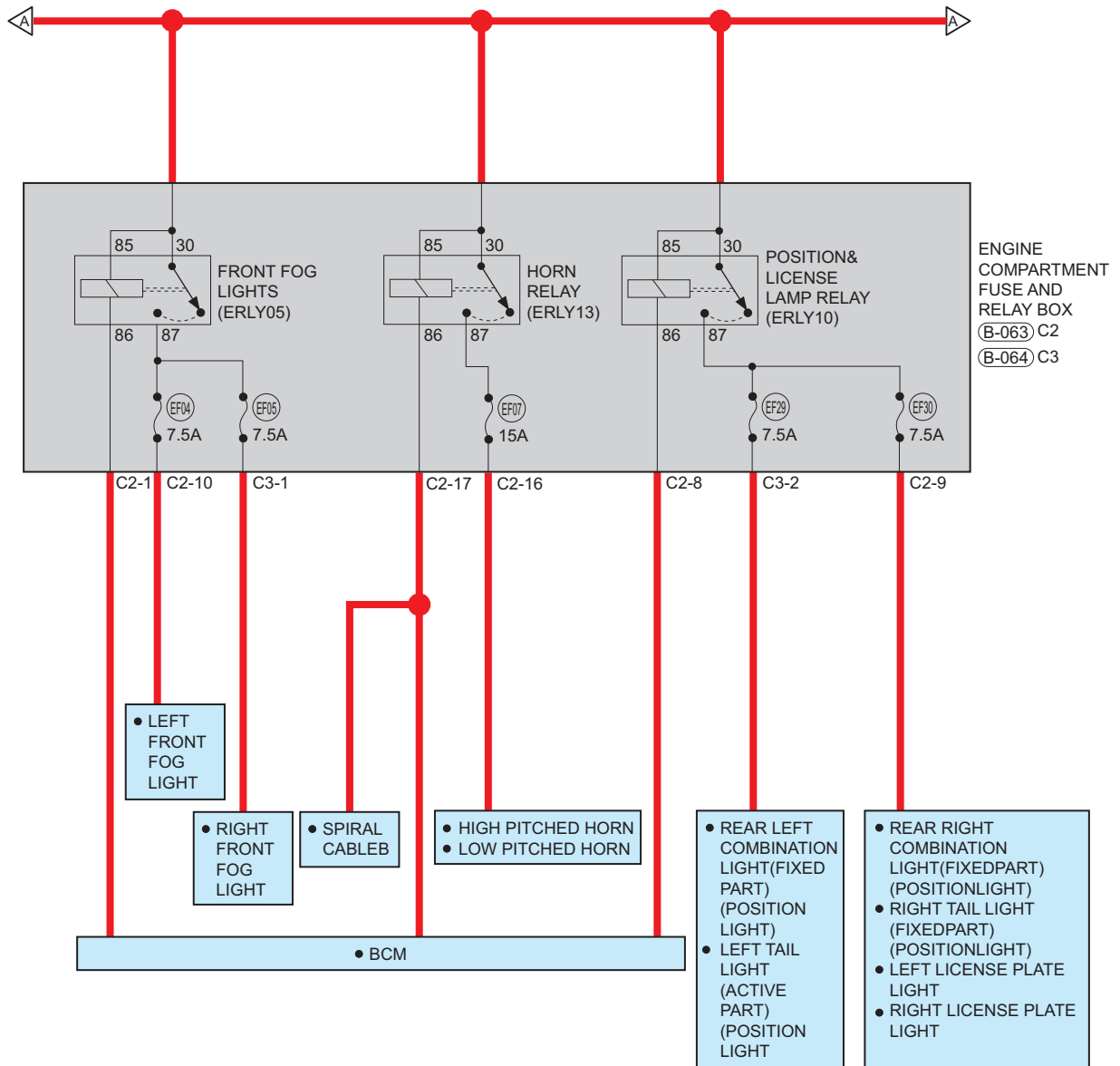
07

POE003001



07

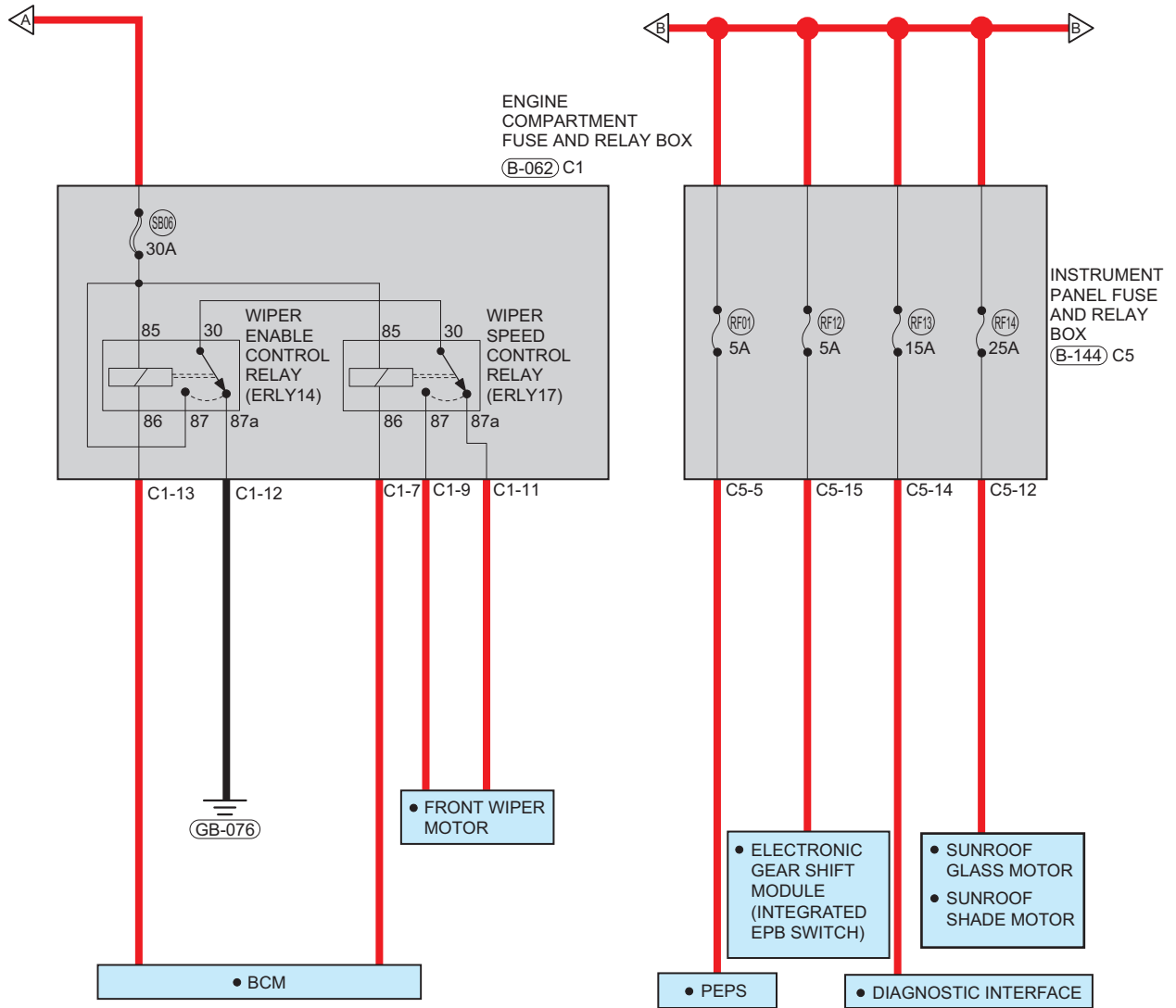
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07

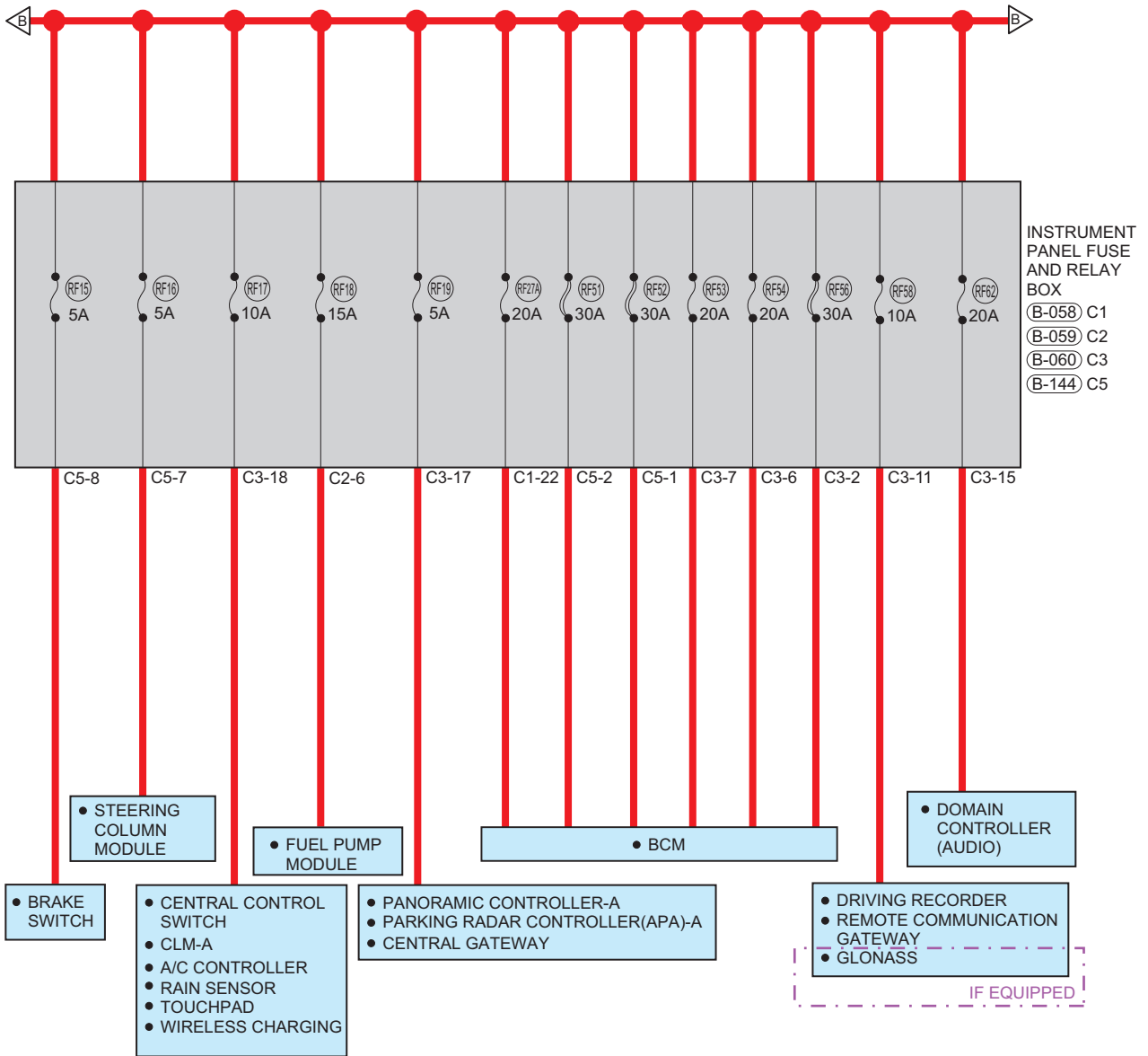
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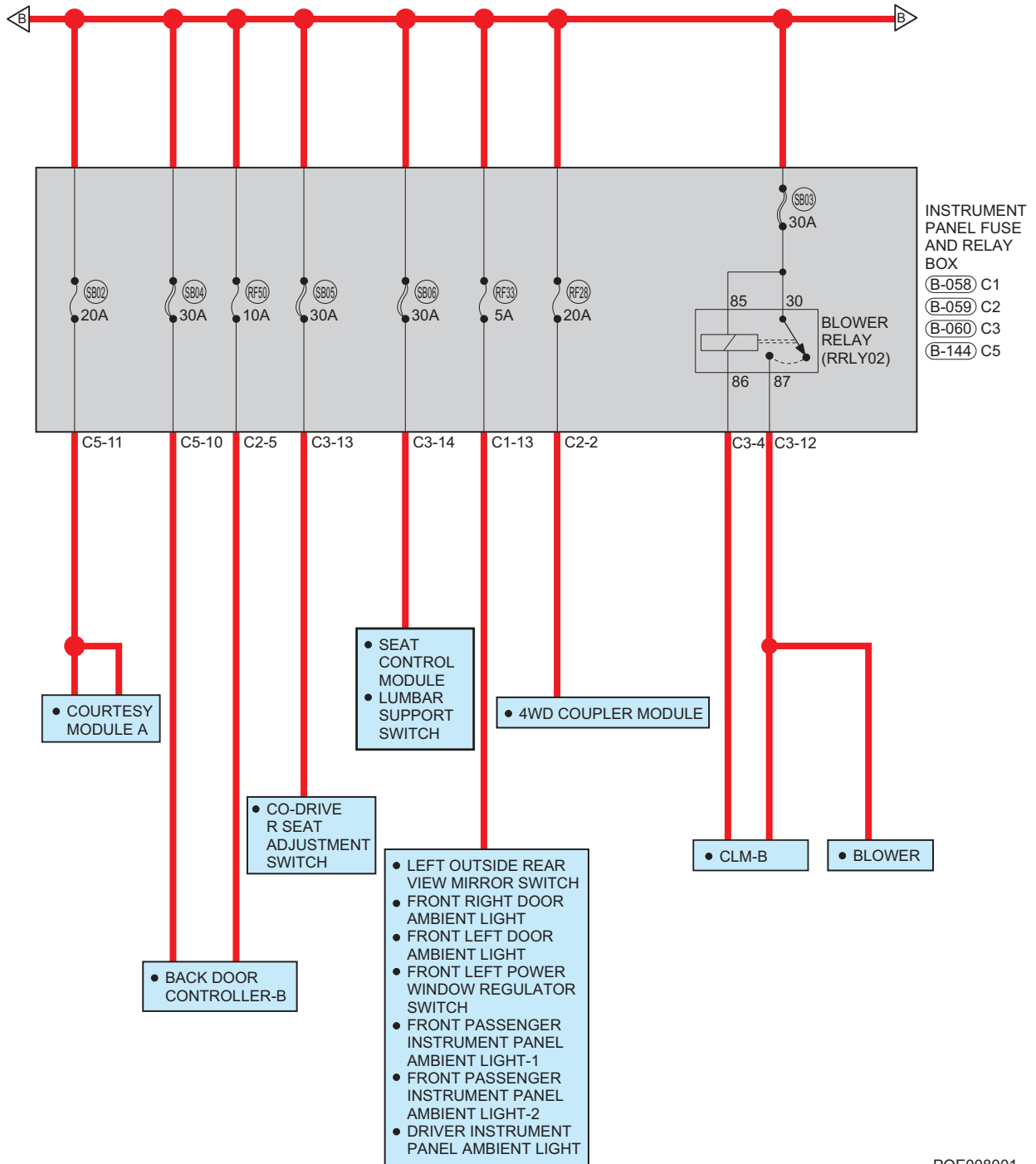


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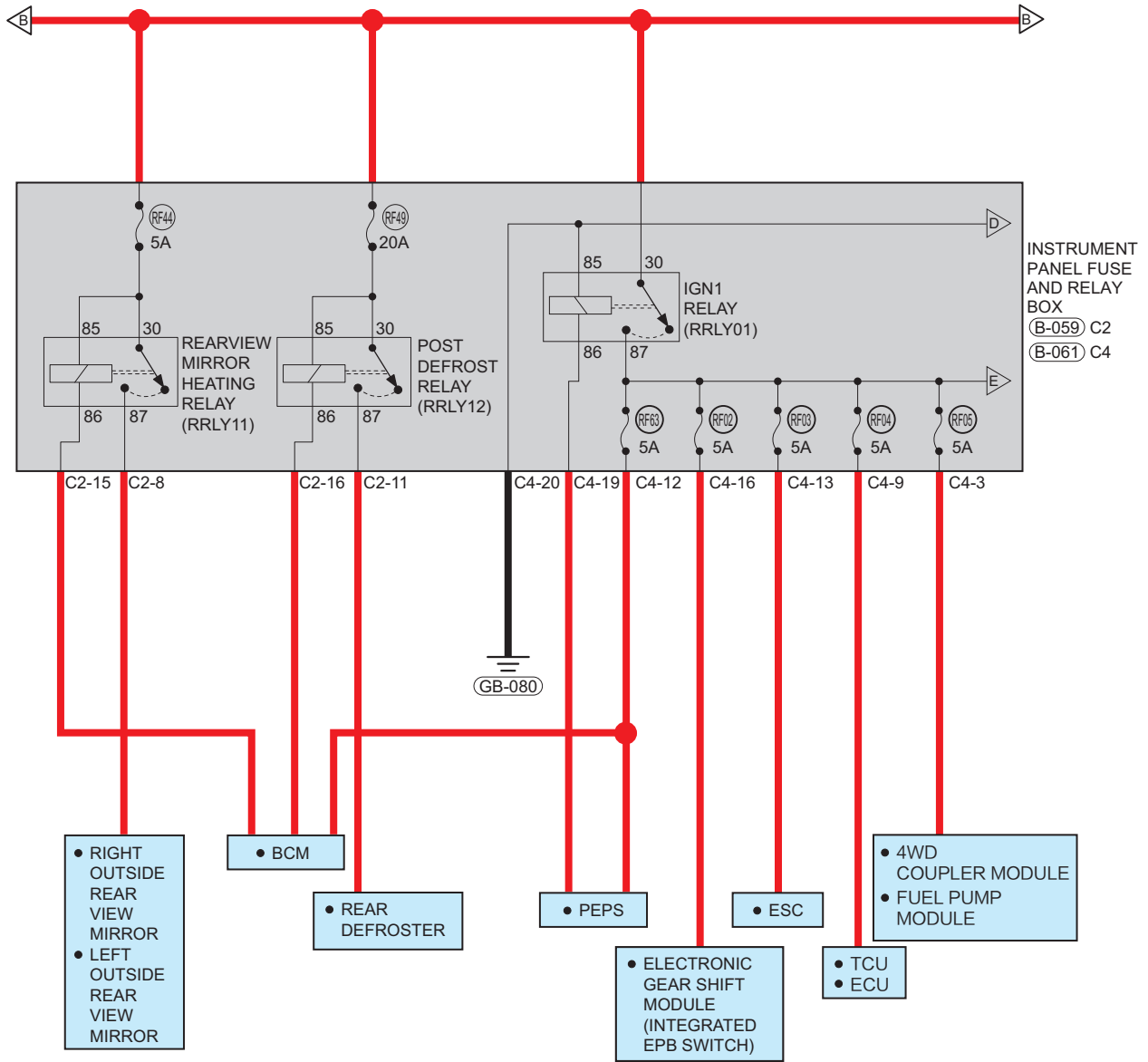


POE007001



07

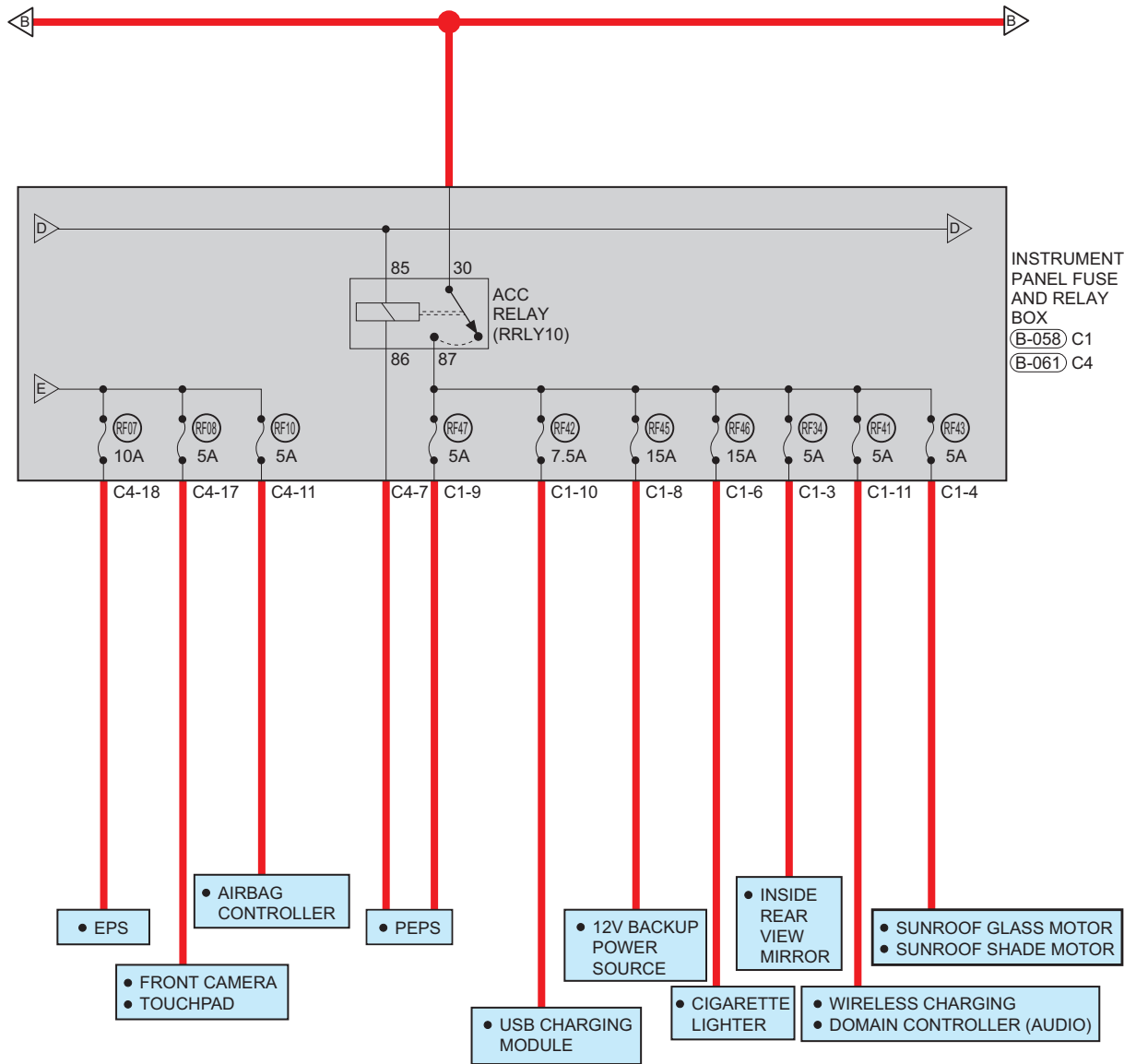
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07

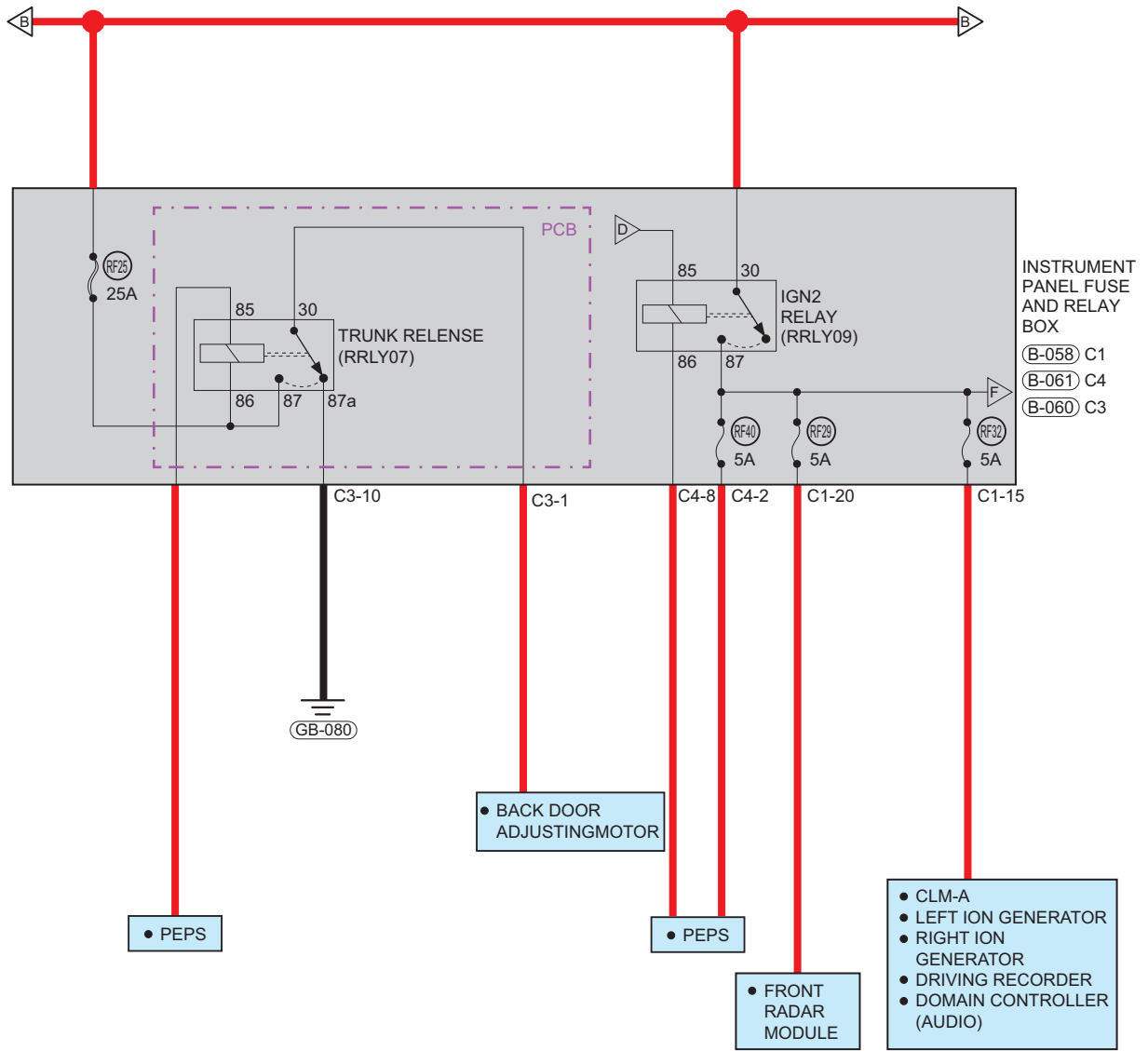
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07

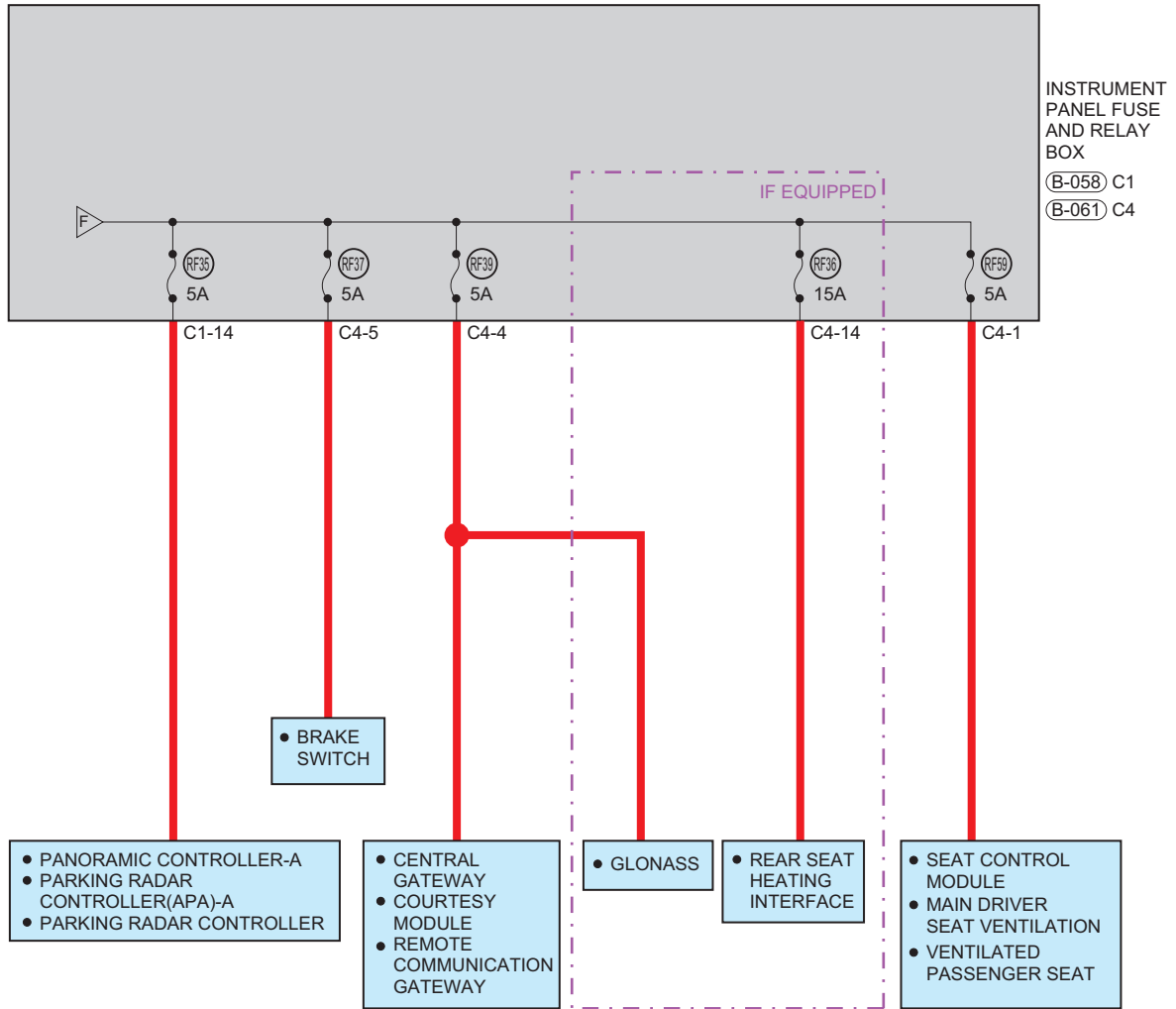
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07

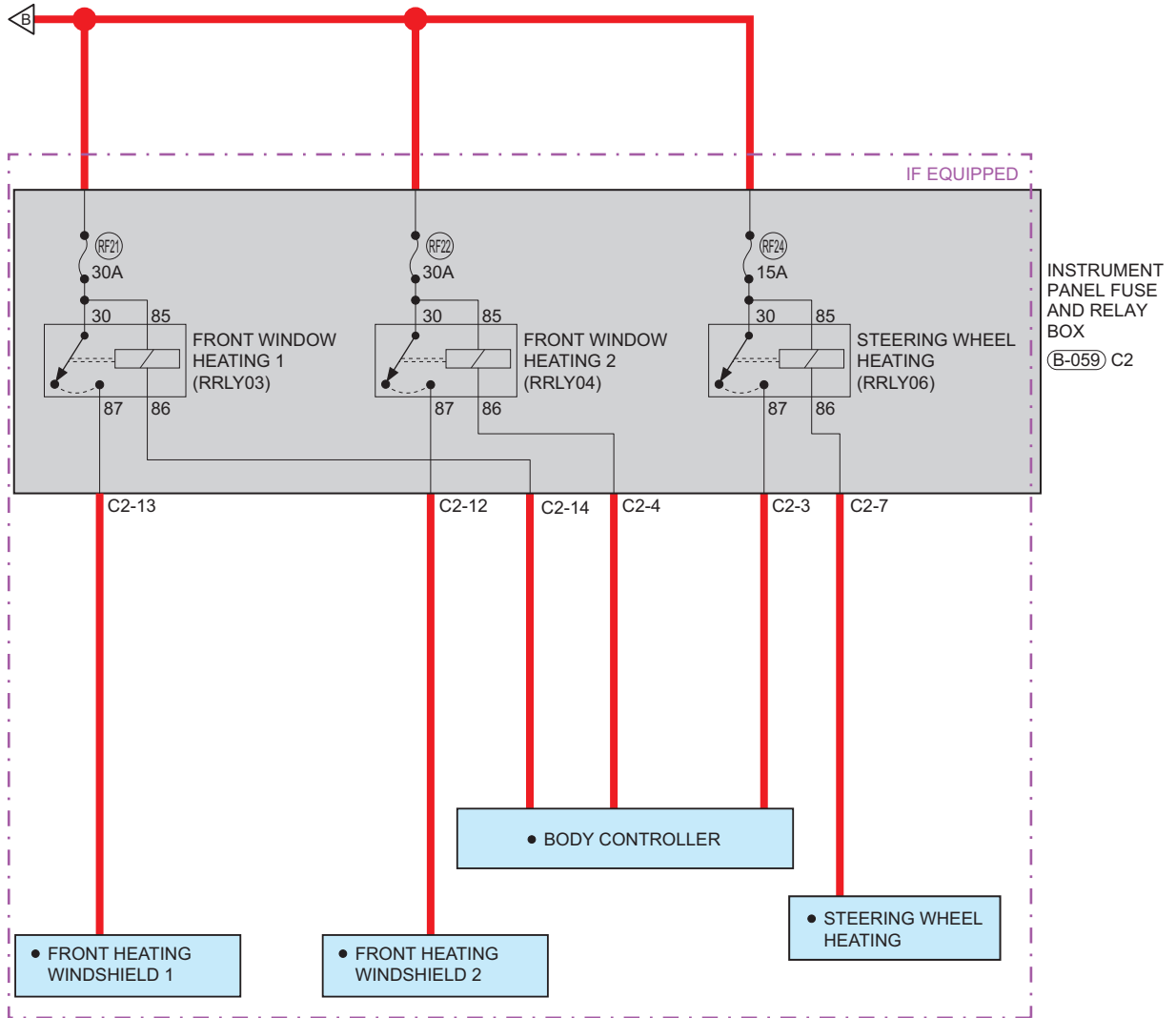
POE011001





07

POE012001



07

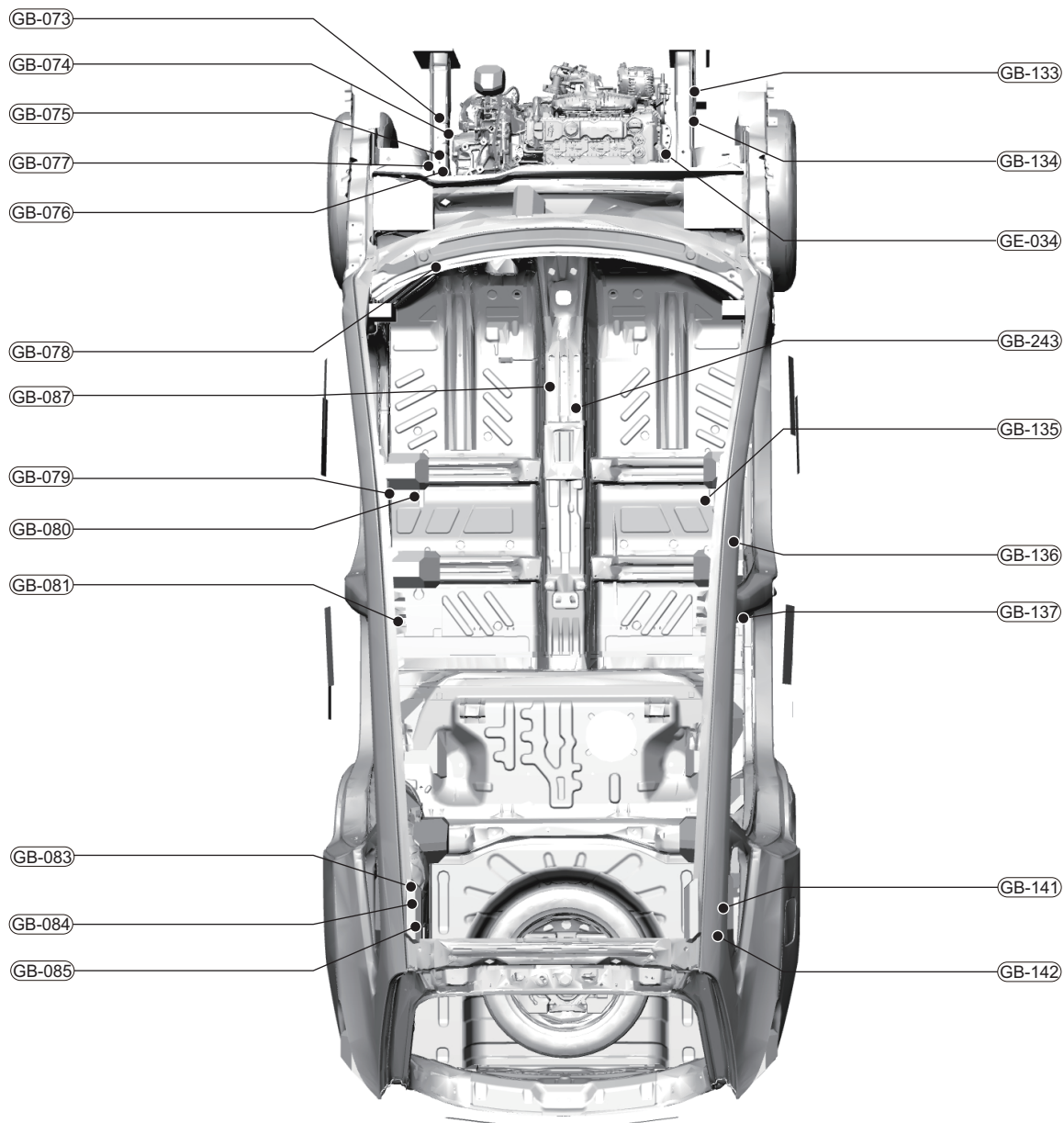
POE013001



Grounding Points

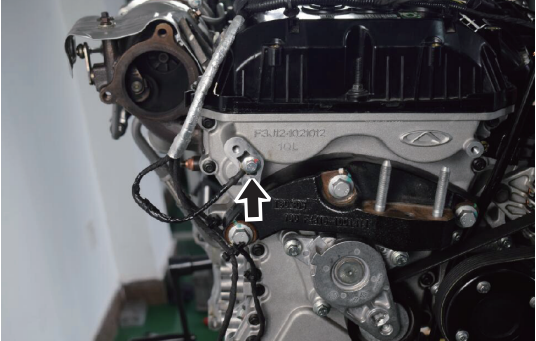
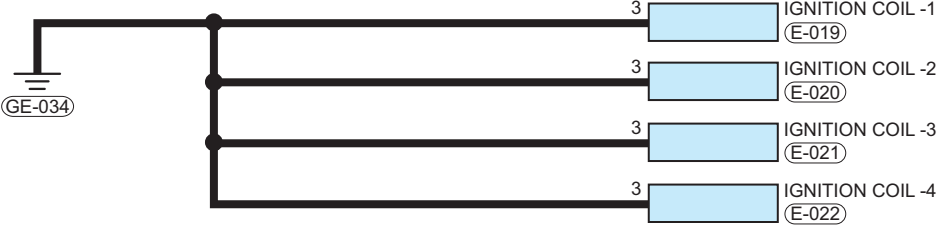
General information

This section provides grounding points and circuit information of vehicle electrical equipment. Using grounding points, technicians can quickly find relevant electrical equipment, and solve problems accurately and efficiently.



Ground point distribution of engine wire harness

Engine wire harness has 1 ground point: GE-034


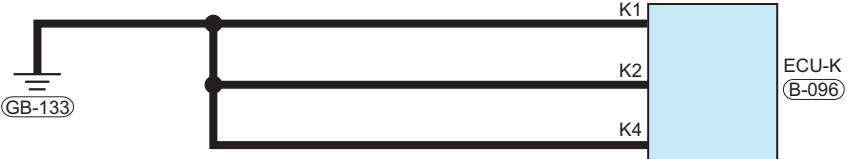
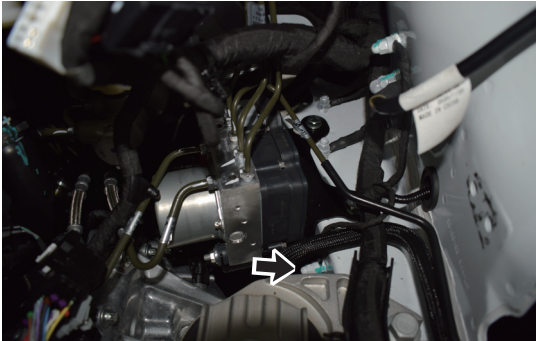

GROUNDING POSITION	REAL OBJECT GRAPHICS
ENGINE	
	

GDE001001

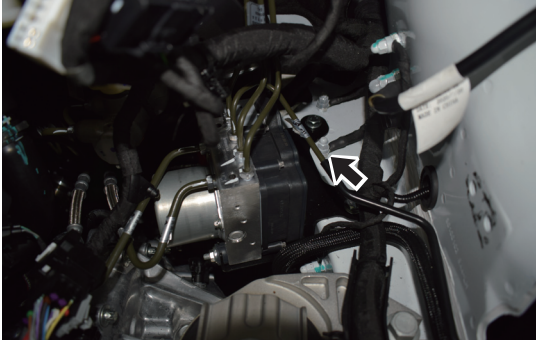
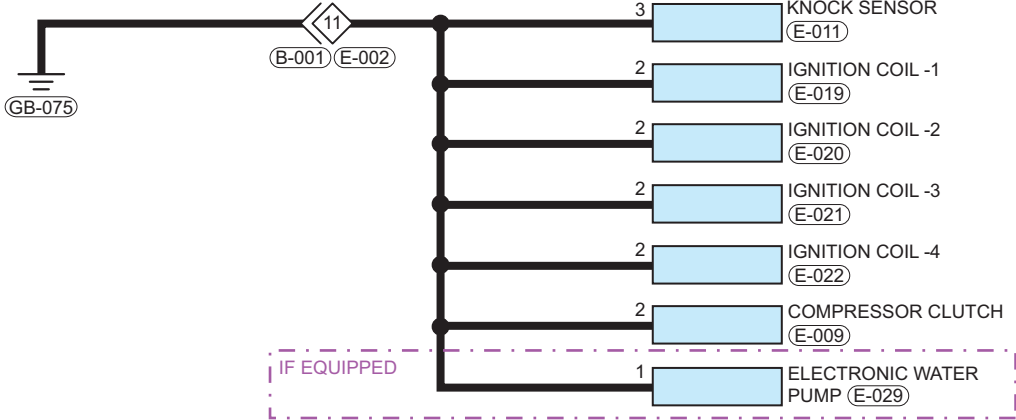


08

Ground point distribution of interior wire harness


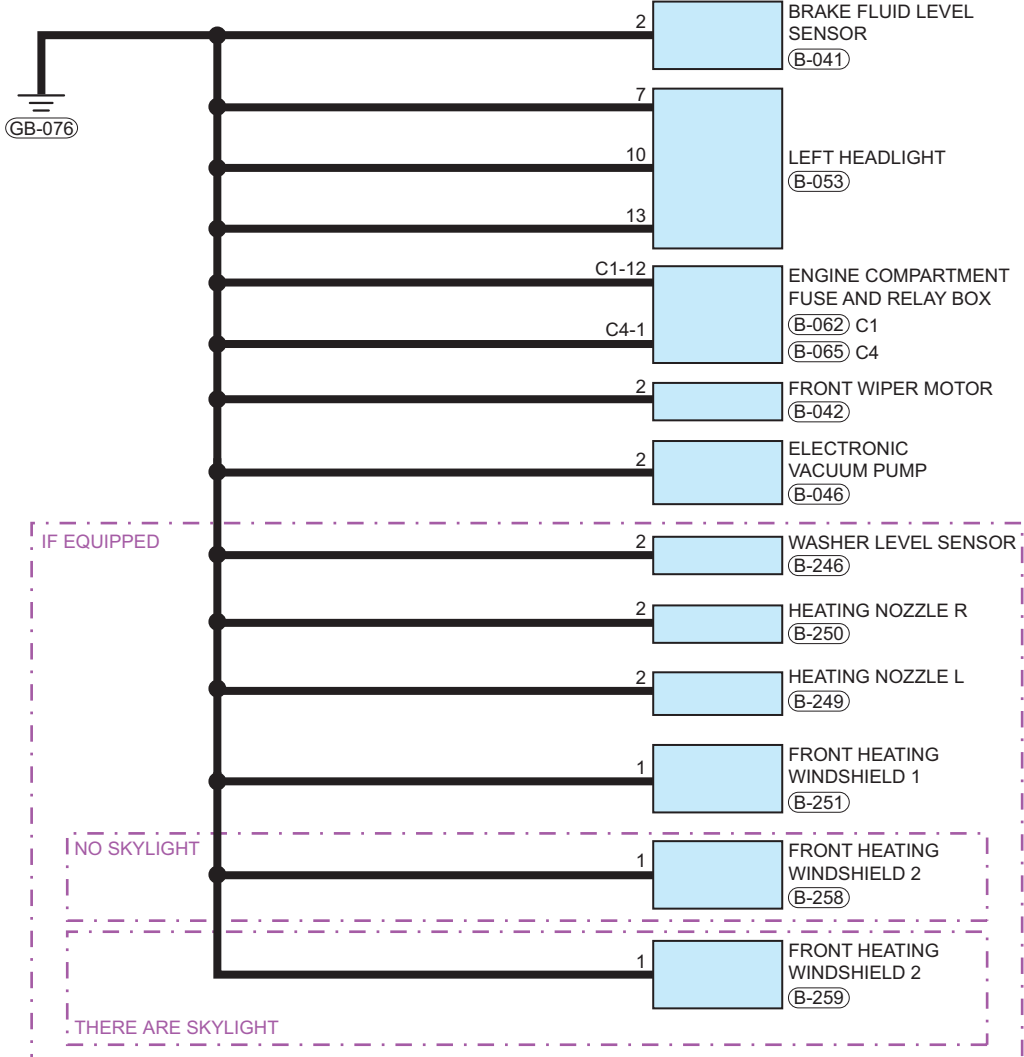
Interior wire harness has 21 ground points: GB-073, GB-074, GB-075, GB-076, GB-077, GB-078, GB-079, GB-080, GB-081, GB-083, GB-084, GB-085, GB-087, GB-133, GB-134, GB-135, GB-136, GB-137, GB-141, GB-142, GB-243

GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT RIGHT SIDE RAIL	
	
GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT LEFT SIDE RAIL	
	

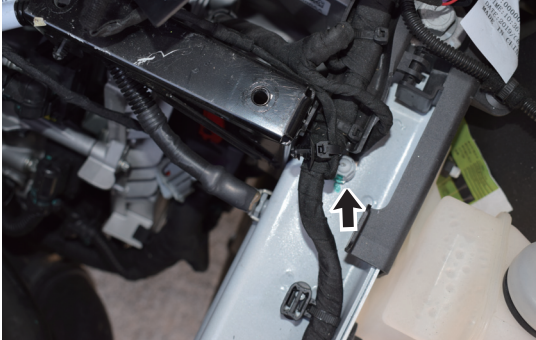
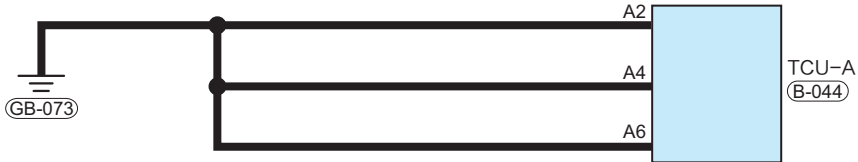
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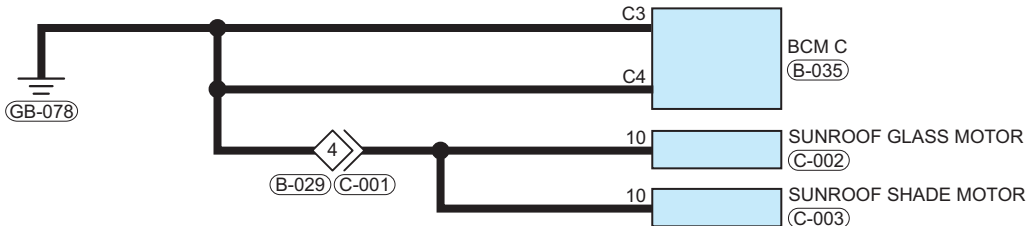
GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT LEFT SIDE RAIL	
	
GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT PART OF LEFT B-PILLAR DOORSILL	
	

GDE002001

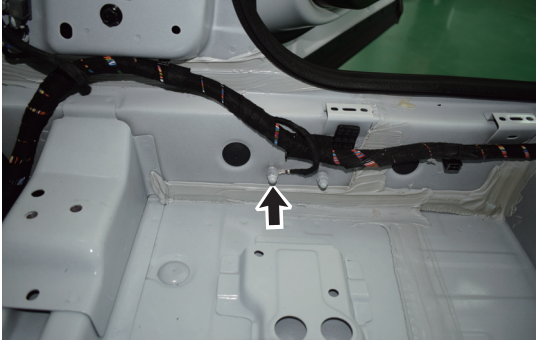
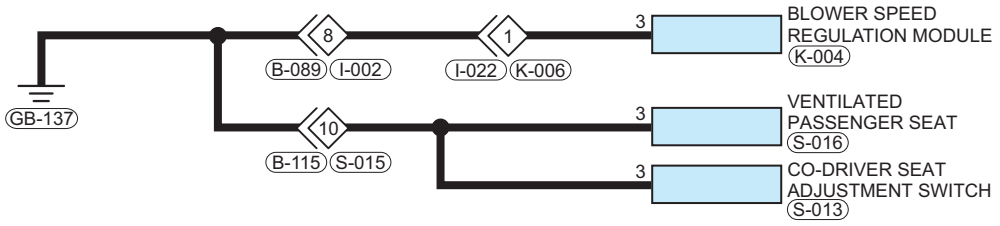
GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT LEFT SIDE RAIL	
 <p>GB-076</p> <ul style="list-style-type: none"> 2 BRAKE FLUID LEVEL SENSOR (B-041) 7 10 LEFT HEADLIGHT (B-053) 13 C1-12 ENGINE COMPARTMENT FUSE AND RELAY BOX (B-062) C1 C4-1 (B-065) C4 2 FRONT WIPER MOTOR (B-042) 2 ELECTRONIC VACUUM PUMP (B-046) IF EQUIPPED 2 WASHER LEVEL SENSOR (B-246) 2 HEATING NOZZLE R (B-250) 2 HEATING NOZZLE L (B-249) 1 FRONT HEATING WINDSHIELD 1 (B-251) NO SKYLIGHT 1 FRONT HEATING WINDSHIELD 2 (B-258) THERE ARE SKYLIGHT 1 FRONT HEATING WINDSHIELD 2 (B-259) 	

GDE003001

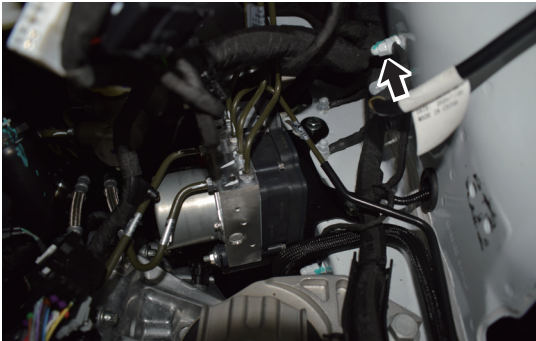

GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT LEFT SIDE RAIL	
	

GROUNDING POSITION	REAL OBJECT GRAPHICS
GUTTER CHANNEL REAR BODY	
	

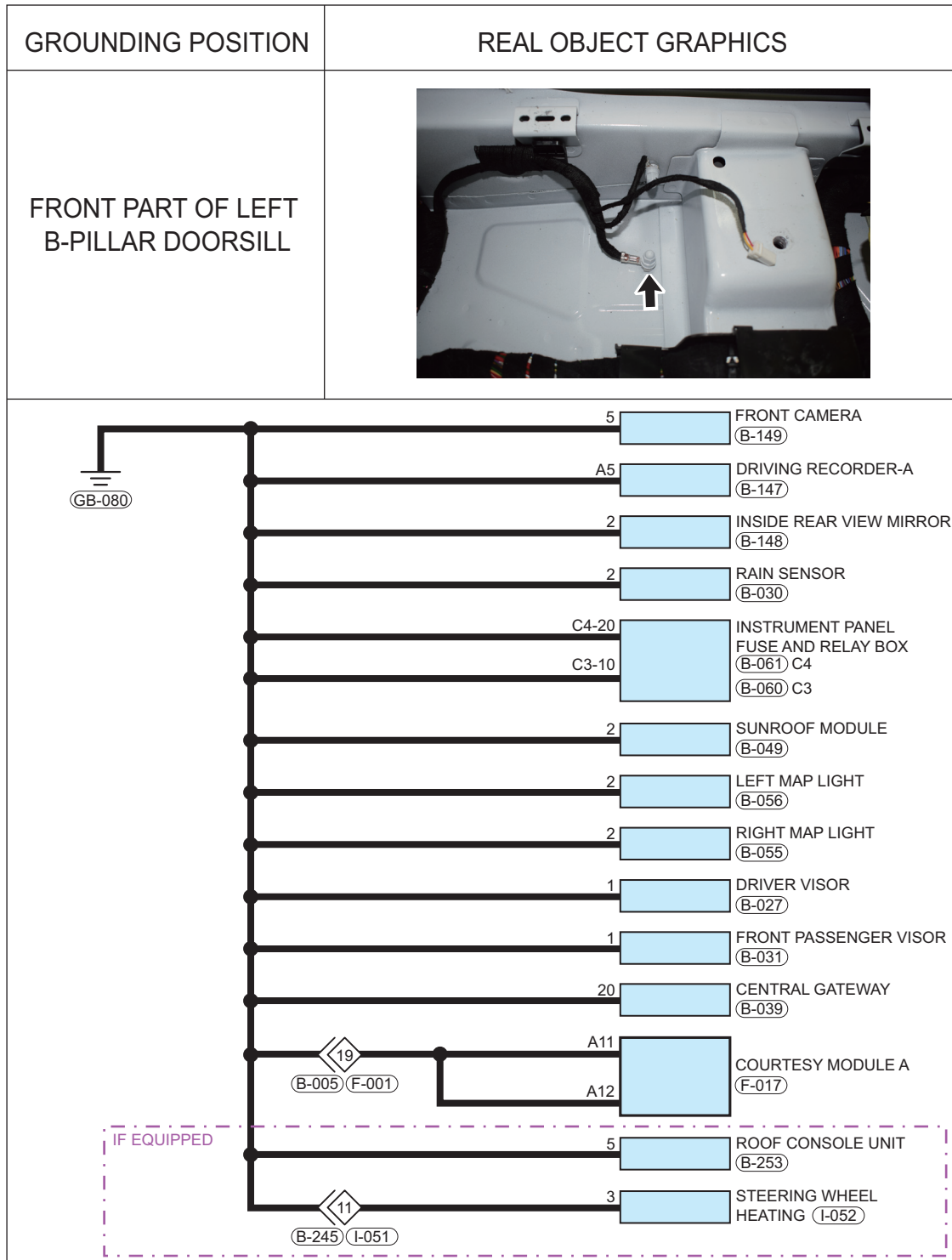
GDE004001

GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT RIGHT SIDE RAIL	
	

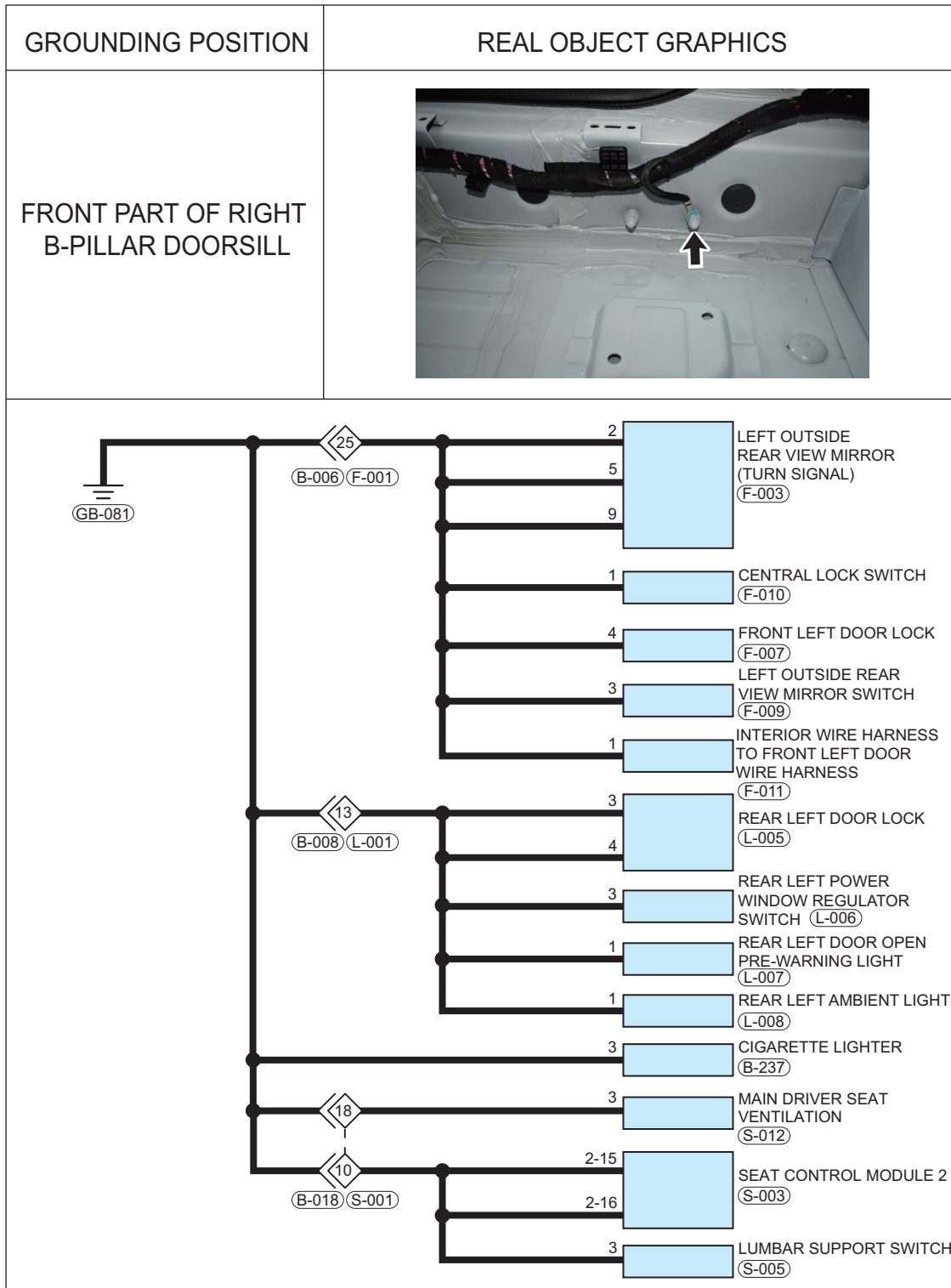
08

GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT LEFT SIDE RAIL	
	

GDE005001

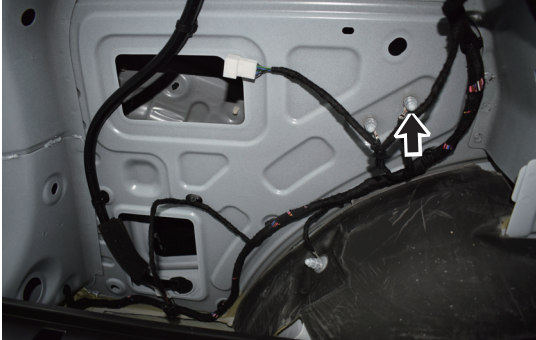
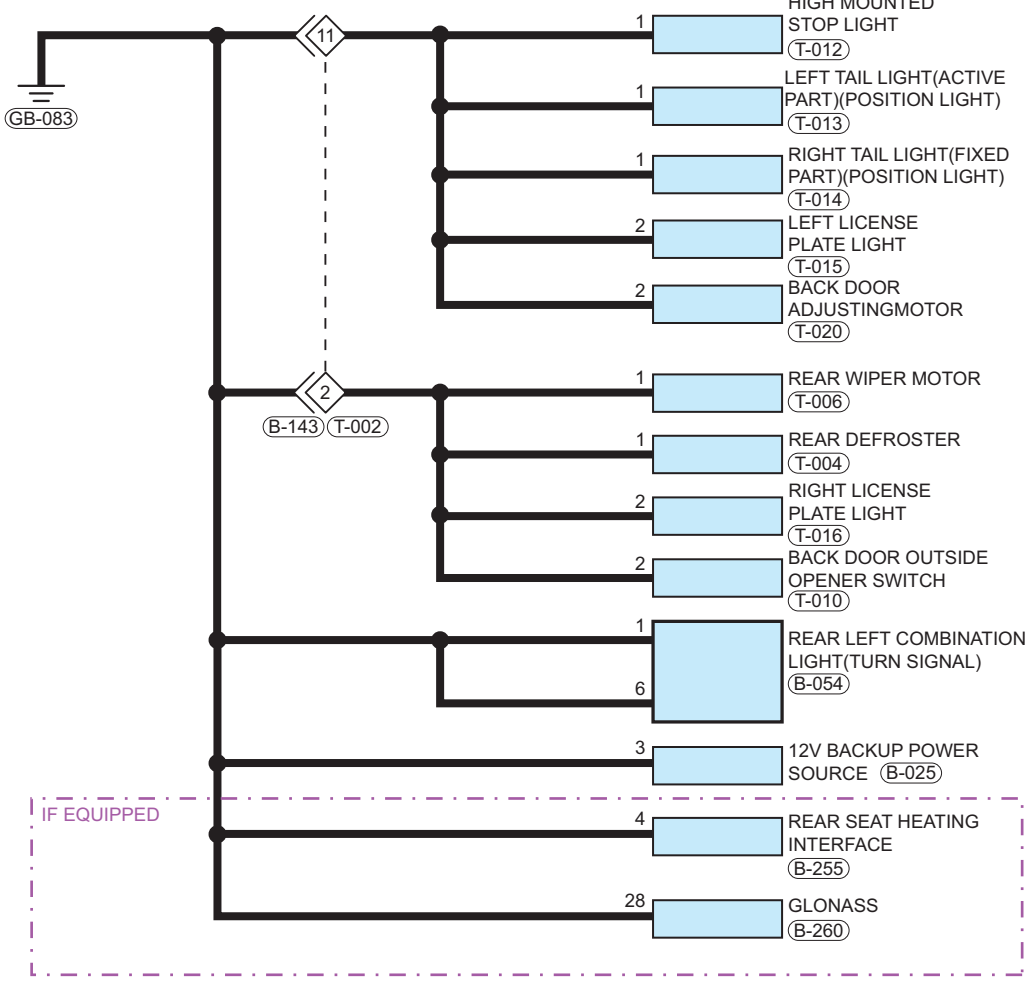


GDE006001

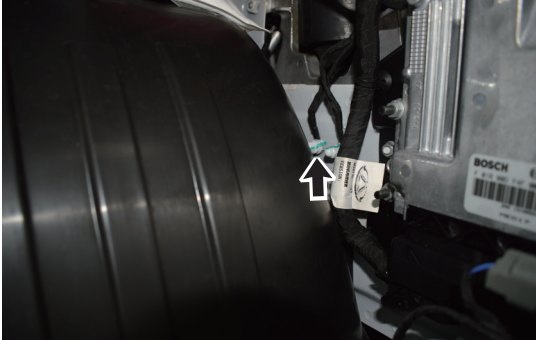
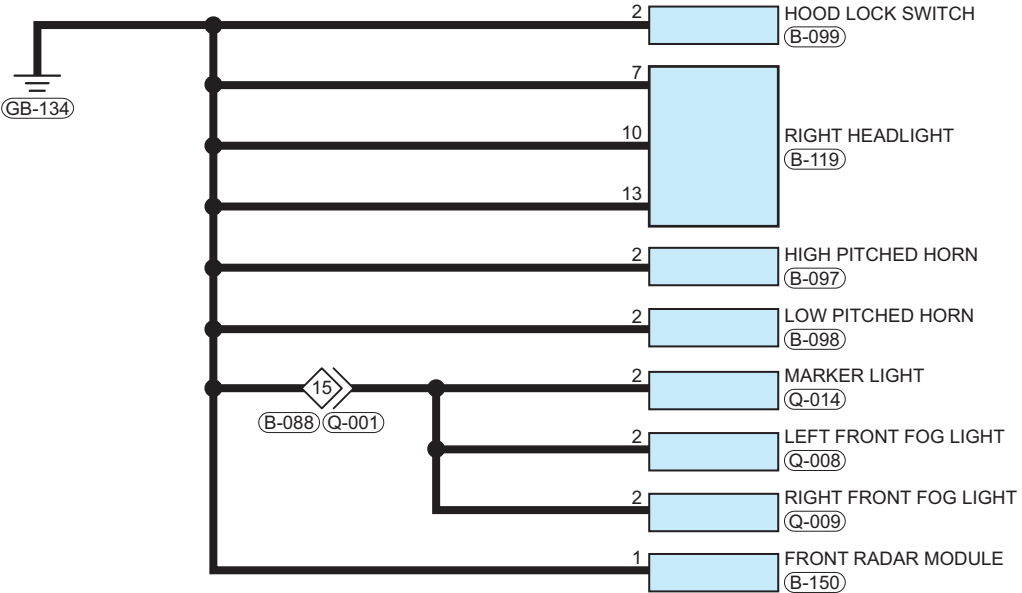


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GDE007001

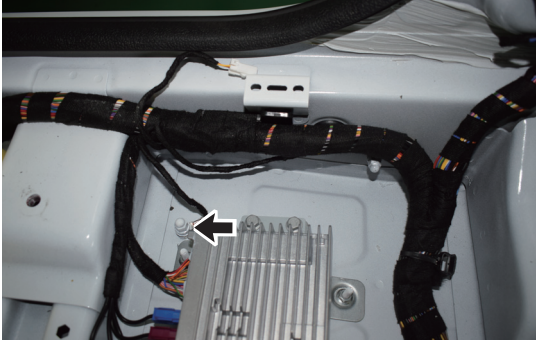
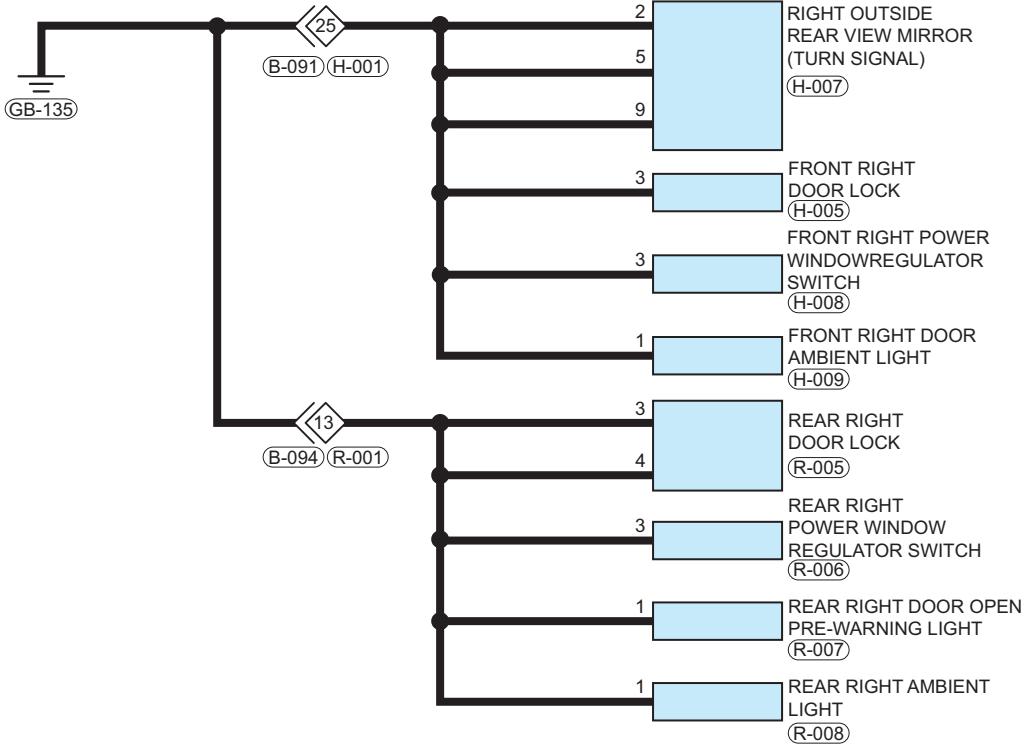
GROUNDING POSITION	REAL OBJECT GRAPHICS
<p>RIGHT D-PILLAR LOWER CONNECTING PLATE 1</p>	
	

GDE008001

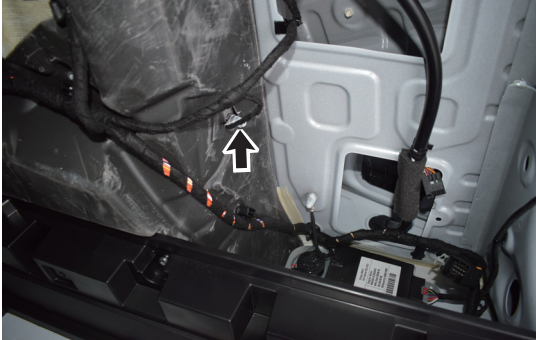
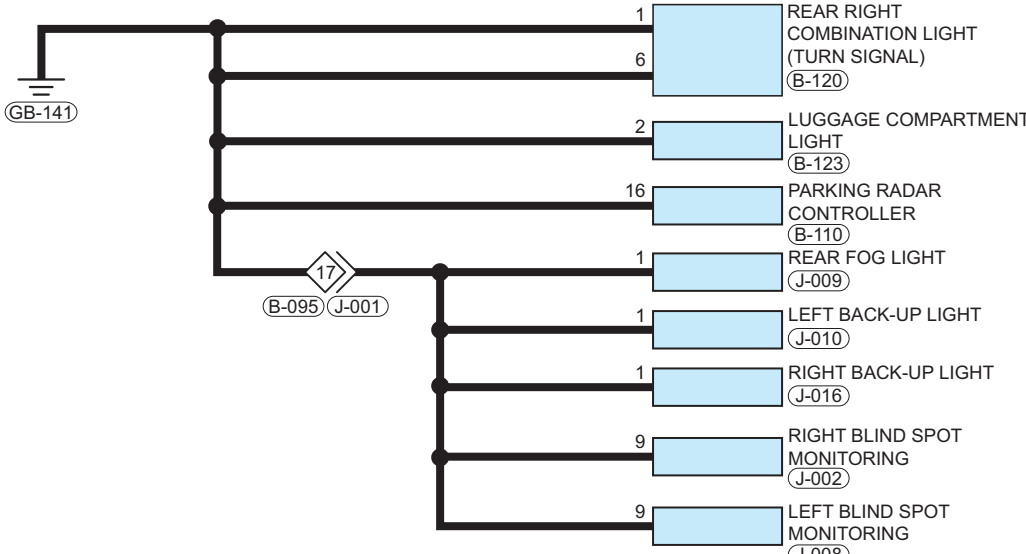
GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT RIGHT SIDE RAIL	
	

08

GDE009001


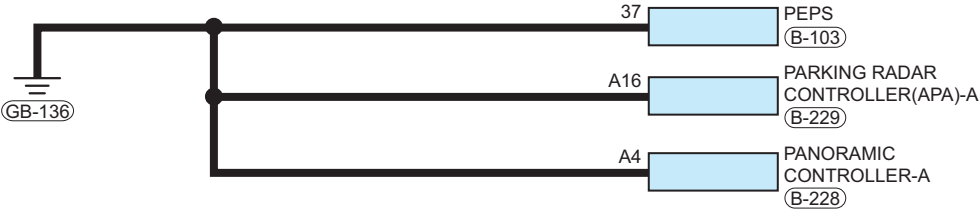
GROUNDING POSITION	REAL OBJECT GRAPHICS
FRONT PART OF RIGHT B-PILLAR DOORSILL	
	



GDE010001

GROUNDING POSITION	REAL OBJECT GRAPHICS
<p>RIGHT C-PILLAR INNER PLATE</p>	
	

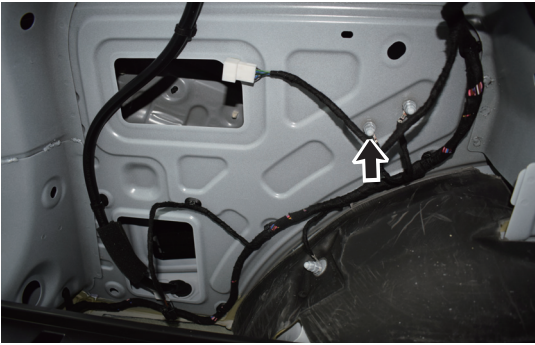

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GDE011001

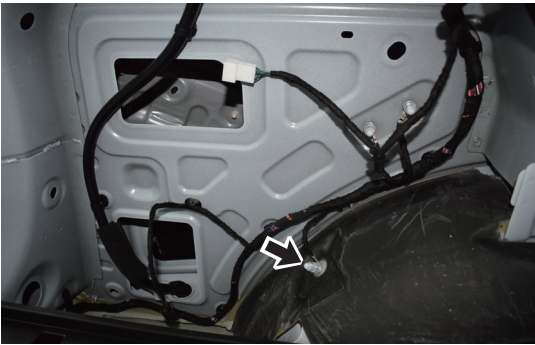

GROUNDING POSITION	REAL OBJECT GRAPHICS
<p>FRONT PART OF RIGHT B-PILLAR DOORSILL</p>	
	

GROUNDING POSITION	REAL OBJECT GRAPHICS
<p>RIGHT C-PILLAR INNER PLATE</p>	
	

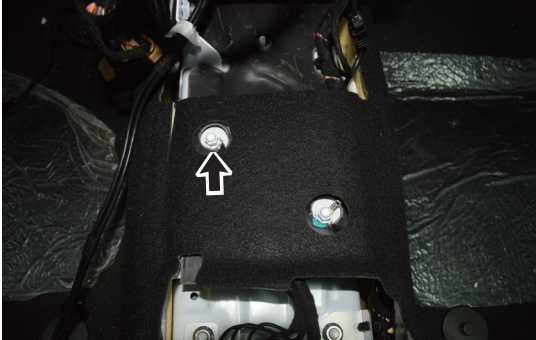

GDE012001

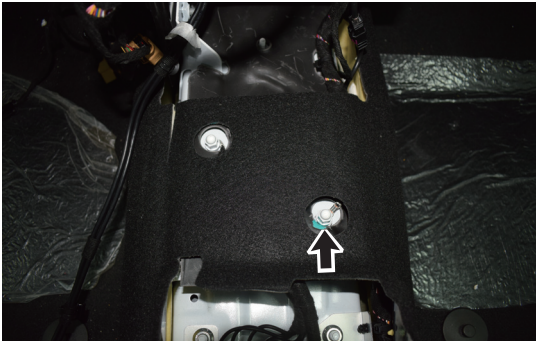
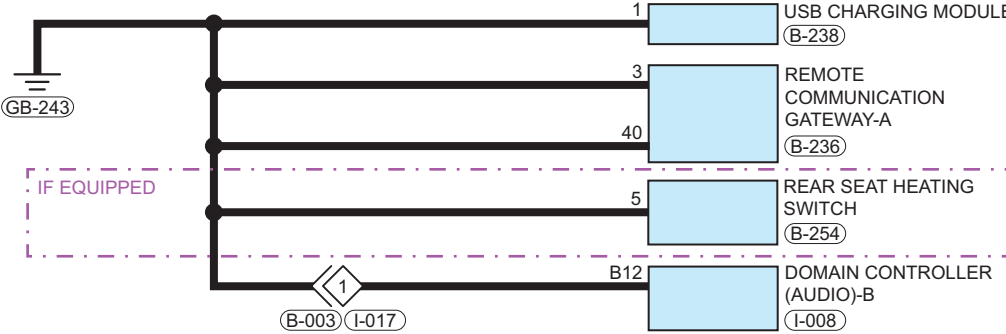
GROUNDING POSITION	REAL OBJECT GRAPHICS
<p>RIGHT C-PILLAR INNER PLATE</p>	
	

08

GROUNDING POSITION	REAL OBJECT GRAPHICS
<p>REAR RIGHT WHEEL HOUSE INNER PLATE</p>	
	

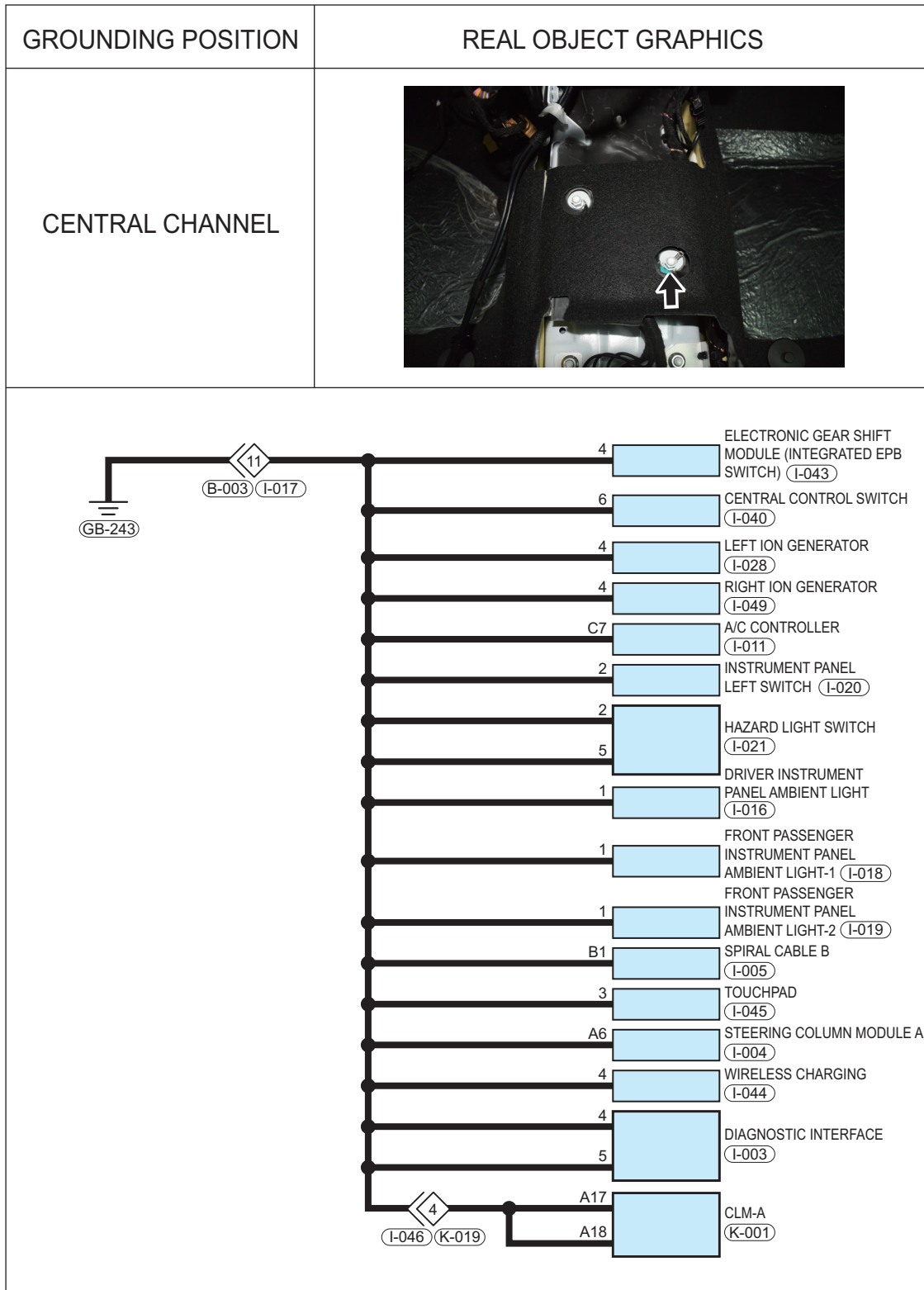
GDE013001

GROUNDING POSITION	REAL OBJECT GRAPHICS
CENTRAL CHANNEL	
	

GROUNDING POSITION	REAL OBJECT GRAPHICS
CENTRAL CHANNEL	
	

08

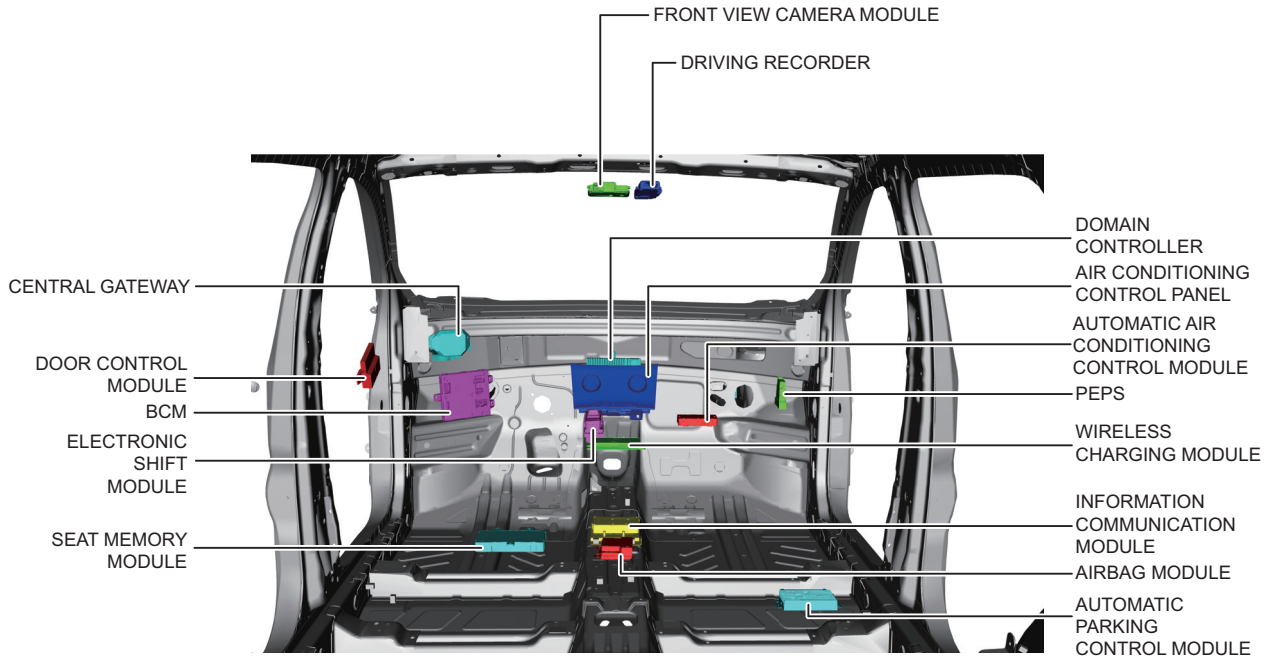
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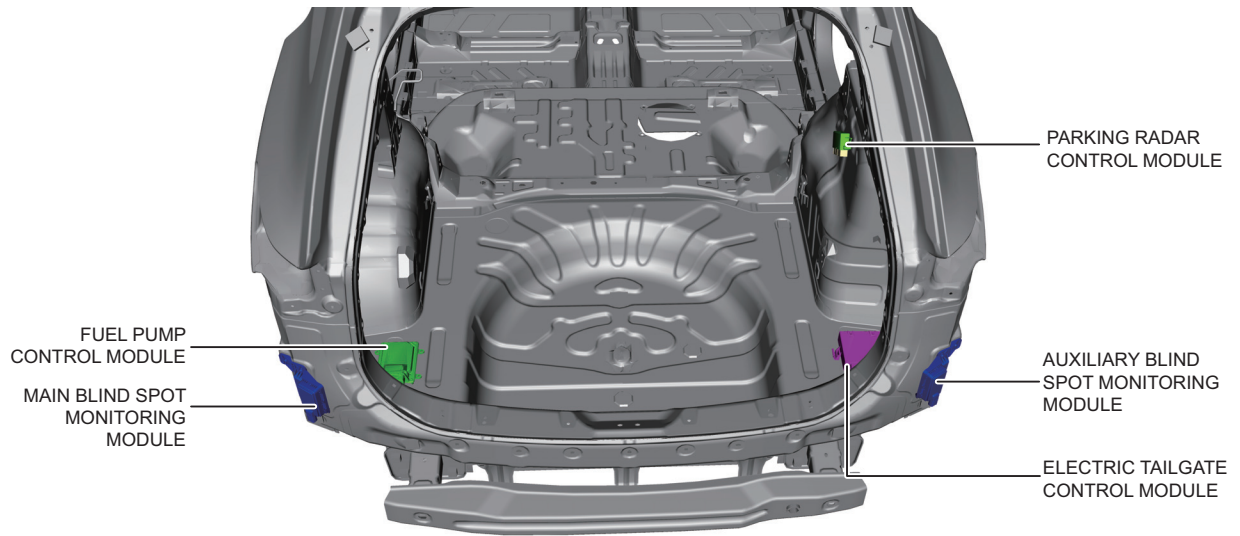
GDE015001

Control Module Layout and Pin Definition

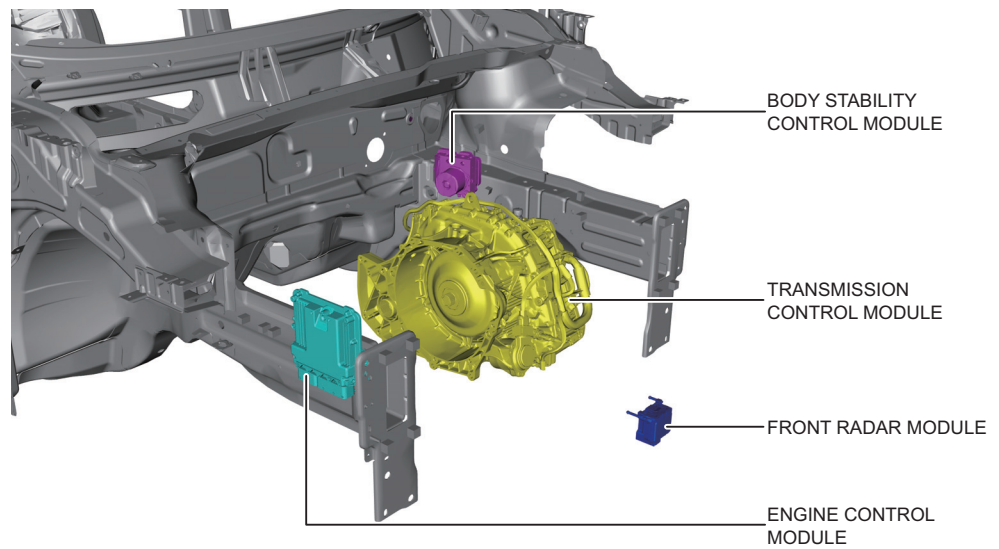
This section describes position and terminal definition information of each control module of the vehicle. The vehicle includes the following modules:



EWD130001

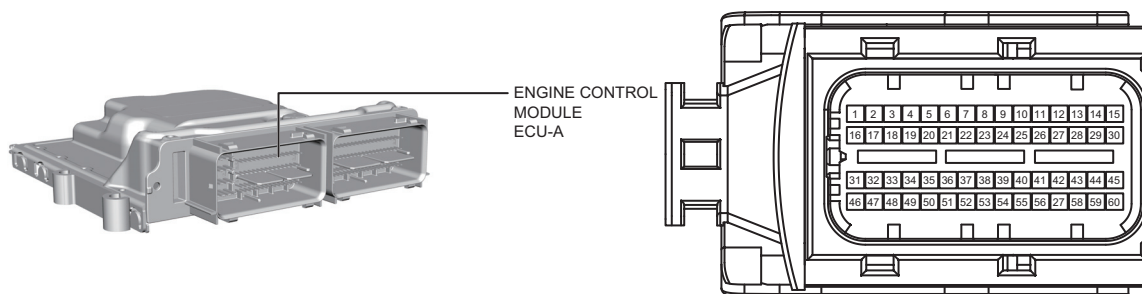


EWD140001



EWD150001

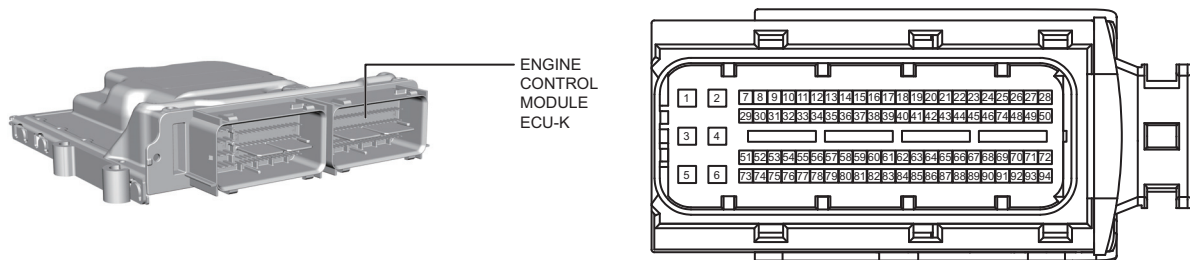
Engine Control Module (ECU-A) Terminal Definition



Pin	Definition	Pin	Definition
A1	Electronic Throttle Control +	A31	1st Cylinder Injection +
A2	Electronic Throttle Control -	A32	4th Cylinder Injection +
A3	Oil Pressure Control Valve -	A33	1st Cylinder Injection -
A4	Oil Pressure Control Valve +	A34	3rd Cylinder Injection -
A5	Variable Valve Timing Valve (Exhaust)	A35	Electronic Wastegate Control +
A6	ECU Shielding Ground	A36	1st GPF Pressure Sensor
A7	5V Power Supply	A37	1st Cylinder Ignition
A8	5V Power Supply	A38	3rd Cylinder Ignition
A9	Sensor Ground	A39	4th Cylinder Ignition
A10	Knock Sensor (-)	A40	2nd Cylinder Ignition
A11	-	A41	Throttle Position Sensor 2
A12	Intake Pressure Sensor	A42	-
A13	Electronic Wastegate Position Signal	A43	Coolant Temperature Sensor Ground
A14	Fuel Rail Pressure Sensor	A44	5V Power Supply
A15	-	A45	-
A16	Variable Oil Pump	A46	3rd Cylinder Injection +
A17	-	A47	2nd Cylinder Injection +
A18	Canister Control Valve	A48	4th Cylinder Injection -
A19	Relief Control Valve	A49	2nd Cylinder Injection -
A20	Variable Valve Timing Valve (Intake)	A50	Electronic Wastegate Control -
A21	-	A51	Sensor Ground
A22	-	A52	5V Power Supply
A23	Engine Speed Sensor (Hall Type)	A53	Phase Sensor (Intake)
A24	Throttle Position Sensor 1	A54	Phase Sensor (Exhaust)
A25	Knock Sensor (+)	A55	-
A26	Sensor Ground	A56	Intake Air Temperature Sensor

Pin	Definition	Pin	Definition
A27	5V Power Supply	A57	Water Temperature Sensor
A28	Sensor Ground	A58	Mass Air Flow Signal (HFM7)
A29	–	A59	Sensor Ground
A30	–	A60	–

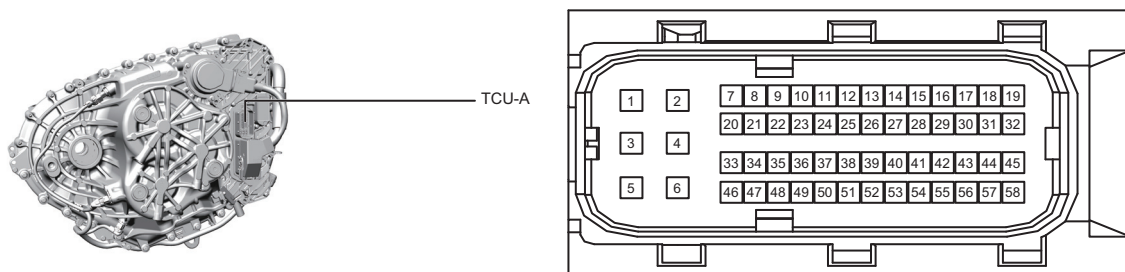
Engine Control Module (ECU-K) Terminal Definition



Pin	Definition	Pin	Definition
K1	ECU Ground 1	K48	Low Pressure Fuel Rail Pressure Sensor
K2	ECU Ground 2	K49	–
K3	Main Relay Power Supply 1	K50	A/C Compressor Relay
K4	ECU Ground 3	K51	–
K5	Main Relay Power Supply 2	K52	Pedal 2 Ground
K6	Main Relay Power Supply 3	K53	–
K7	Upstream Oxygen Heating	K54	–
K8	Electronic Water Pump Controller	K55	–
K9	–	K56	2nd GPF Differential Pressure Sensor
K10	A/C Pressure Sensor	K57	Canister Ventilation Valve
K11	Sensor Ground	K58	5V Power Supply
K12	–	K59	5V Power Supply
K13	Brake Vacuum Sensor	K60	Immobilizer Input
K14	Clutch Water Pump Solenoid Valve	K61	Accelerator Pedal Position Sensor 2
K15	Fuel Control Enabled Signal	K62	Downstream Oxygen Sensor
K16	Electronic Thermostat	K63	Boost Pressure Sensor
K17	5V Power Supply	K64	Boost Pressure Temperature Sensor
K18	–	K65	LIN Bus Interface
K19	Brake Light Switch	K66	–

Pin	Definition	Pin	Definition
K20	–	K67	–
K21	Sensor Ground	K68	–
K22	–	K69	Main Relay
K23	–	K70	Starter State Feedback
K24	Brake Switch	K71	Sensor Ground
K25	–	K72	–
K26	Brake Vacuum Pump Relay	K73	Crankshaft Ventilation Heater Relay
K27	–	K74	Canister Desorption Pressure Sensor
K28	–	K75	–
K29	Downstream Oxygen Sensor Heater	K76	Upstream Oxygen Virtual Ground Voltage
K30	Continuous Power Supply	K77	Upstream Oxygen Feedback Voltage
K31	Starter Motor Relay	K78	Upstream Oxygen Correction Resistor
K32	GPF Sensor Ground	K79	Upstream Oxygen Control Signal
K33	–	K80	Pedal 1 Ground
K34	Oxygen Sensor Ground	K81	Pedal 5V Power Supply 2
K35	–	K82	Pedal 5 V Power Supply 1
K36	GPF Front Temperature Sensor	K83	Accelerator Pedal Position Sensor 1
K37	Tank Pressure Sensor	K84	–
K38	–	K85	–
K39	Fan Relay 1 (Low Speed)	K86	–
K40	Fuel Level Sensor	K87	Ignition Switch
K41	–	K88	–
K42	Fan Relay 2 (High Speed)	K89	–
K43	–	K90	–
K44	CAN Low for Refreshing and Body	K91	–
K45	CAN High for Refreshing and Body	K92	–
K46	–	K93	–
K47	–	K94	–

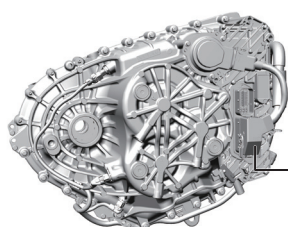
Transmission Control Module (TCU-A) Terminal Definition



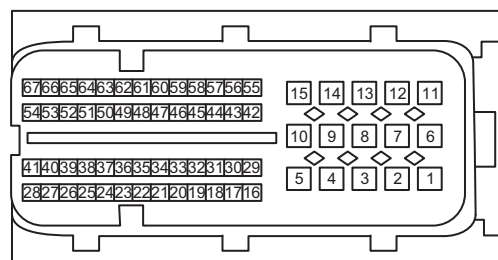
Pin	Definition	Pin	Definition
1	KL30 Power Supply	30	–
2	Ground	31	KL15 Power Supply
3	KL30 Power Supply	32	–
4	Ground	33	–
5	KL30 Power Supply	34	CAN-H
6	Ground	35	CAN-L
7	–	36	–
8	–	37	–
9	–	38	–
10	–	39	–
11	–	40	–
12	–	41	–
13	–	42	–
14	–	43	–
15	–	44	–
16	–	45	–
17	–	46	–
18	KL30 Power Supply	47	–
19	–	48	–
20	–	49	–
21	CAN-H	50	–
22	CAN-L	51	–
23	–	52	–
24	–	53	–
25	–	54	–
26	–	55	–
27	–	56	–
28	–	57	–

Pin	Definition	Pin	Definition
29	–	58	–

Transmission Control Module (TCU-B) Terminal Definition



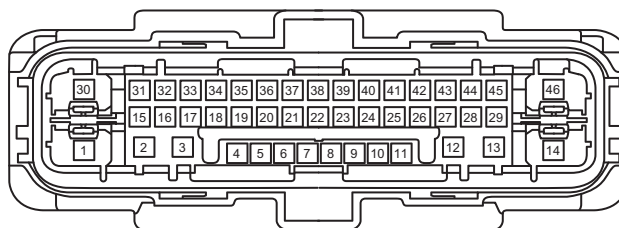
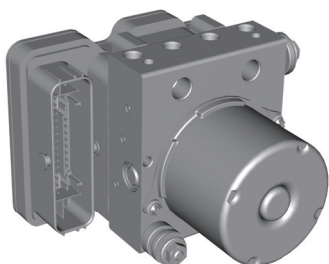
TCU-B



Pin	Definition	Pin	Definition
1	Clutch Motor 2 Phase U	35	Clutch Motor 2 Position Signal
2	Clutch Motor 2 Phase V	36	Temperature Sensor Ground
3	Clutch Motor 2 Phase W	37	Pressure Sensor 2 Ground
4	Clutch Motor 1 Phase U	38	Pressure Sensor 1 Ground
5	Clutch Motor 1 Phase V	39	Output Shaft Speed Sensor Power Supply
6	Shift Motor 1 Phase U	40	Input Shaft Speed Sensor 2 Power Supply
7	Shift Motor 1 Phase V	41	Input Shaft Speed Sensor 1 Power Supply
8	Shift Motor 1 Phase W	42	Cooling Motor Hall Sensor 3 Signal
9	Shift Motor 2 Phase U	43	Shift Motor 2 Hall Sensor 3 Signal
10	Clutch Motor 1 Phase W	44	Shift Motor 1 Hall Sensor Signal 3
11	Cooling Motor Phase U	45	Clutch Motor 2 Hall Sensor 3 Signal
12	Cooling Motor Phase V	46	Clutch Motor 1 Hall Sensor 3 Signal
13	Cooling Motor Phase W	47	Shift Motor 1 Hall Sensor Power Supply
14	Shift Motor 2 Phase V	48	Shift Motor 1 Position Signal
15	Shift Motor 2 Phase W	49	Shift Motor 2 Hall Sensor Power Supply
16	Cooling Motor Hall Sensor 1 Signal	50	Pressure Sensor 2 Power Supply
17	Shift Motor 2 Hall Sensor 1 Signal	51	Pressure Sensor 1 Power Supply
18	Shift Motor 1 Hall Sensor 1 Signal	52	Electromagnetic Shielding

Pin	Definition	Pin	Definition
19	Clutch Motor 2 Hall Sensor 1 Signal	53	Gear Position Sensor Power Supply
20	Clutch Motor 1 Hall Sensor 1 Signal	54	Gear Position Sensor Signal 1
21	Clutch Motor 1 Hall Sensor Power Supply	55	Cooling Motor Sensor Ground
22	Clutch Motor 1 Position Signal	56	Shift Motor 2 Hall Sensor Signal Ground
23	Temperature Sensor Signal	57	Shift Motor 1 Hall Sensor Signal Ground
24	Pressure Sensor 2 Signal	58	Clutch Motor 2 Hall Sensor Signal Ground
25	Pressure Sensor 1 Signal	59	Clutch Motor 1 Hall Sensor Signal Ground
26	Output Shaft Speed Sensor Signal	60	Cooling Motor Sensor Power Supply
27	Input Shaft Speed Sensor 2 Signal	61	Shift Motor 2 Position Signal
28	Input Shaft Speed Sensor 1 Signal	62	–
29	Cooling Motor Hall Sensor 2 Signal	63	–
30	Shift Motor 2 Hall Sensor 2 Signal	64	–
31	Shift Motor 1 Hall Sensor 2 Signal	65	Electromagnetic Shielding
32	Clutch Motor 2 Hall Sensor 2 Signal	66	Gear Position Sensor Ground
33	Clutch Motor 1 Hall Sensor 2 Signal	67	Gear Position Sensor 2 Signal
34	Clutch Motor 2 Sensor Power Supply		

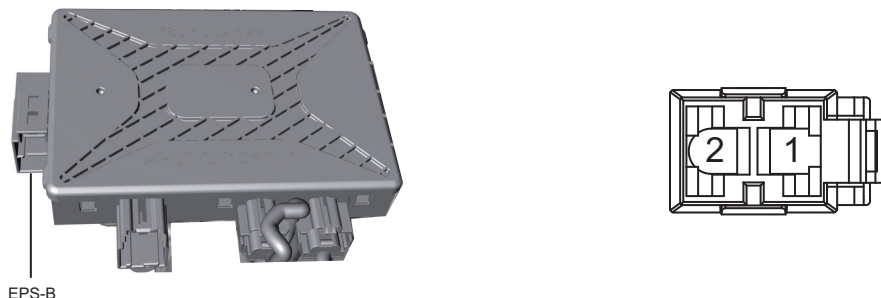
Body Stability Control Module (ESP) Terminal Definition



Pin	Definition	Pin	Definition
1	Motor Power Supply End (Positive)	24	Front Left Wheel Speed Sensor Power Supply
2	Right Caliper Motor Power Supply Wire	25	CAN2 L
3	Right Caliper Motor Ground Wire	26	Front Right Wheel Speed Sensor Signal Wire
4	–	27	–
5	CAN H	28	–
6	–	29	–
7	Front Left Wheel Speed Sensor Signal Wire	30	Power Supply
8	AUTO HOLD Switch Indicator	31	EPB Switch Pin 1
9	–	32	EPB Switch Pin 4
10	HDC Switch Indicator	33	–
11	CAN2 H	34	–
12	Left Caliper Motor Ground Wire	35	–
13	Left Caliper Motor Power Supply Wire	36	Ignition Signal
14	Motor Ground	37	Rear Right Wheel Speed Sensor Signal Wire
15	EPB Switch Pin 3	38	Brake Switch
16	EPB Switch Pin 6	39	Rear Left Wheel Speed Sensor Power Supply Wire
17	HDC Function Switch	40	–
18	EPB Switch Indicator	41	AUTO HOLD Switch
19	CAN L	42	–
20	–	43	ESP_OFF Switch
21	Front Right Wheel Speed Sensor Power Supply	44	–
22	Rear Right Wheel Speed Sensor Power Supply	45	–

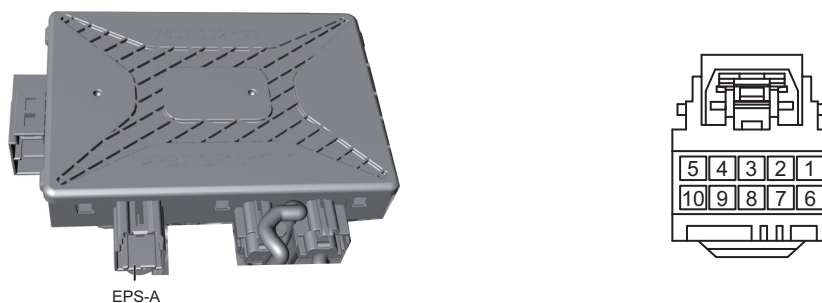
Pin	Definition	Pin	Definition
23	Rear Left Wheel Speed Sensor Signal Wire	46	ECU Ground

Electric Power Steering Module (EPS-B) Terminal Definition



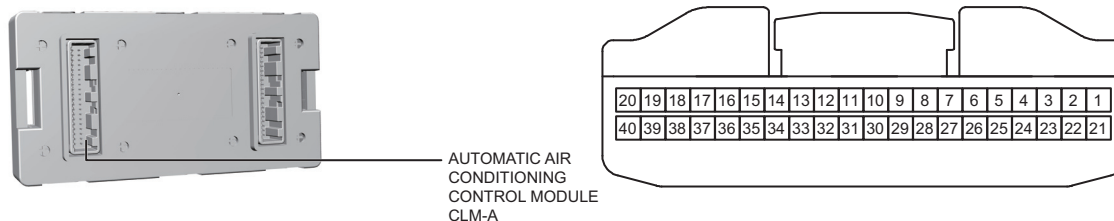
Pin	Definition	Pin	Definition
1	Power Supply	2	Ground

Electric Power Steering Module (EPS-A) Terminal Definition



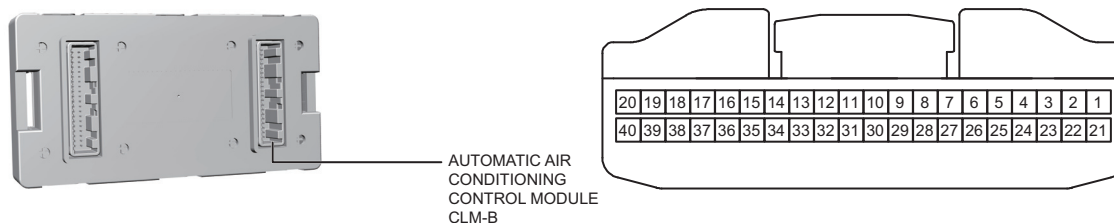
Pin	Definition	Pin	Definition
1	Ignition Signal	6	-
2	-	7	-
3	CAN-H	8	-
4	CAN-L	9	-
5	-	10	-

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



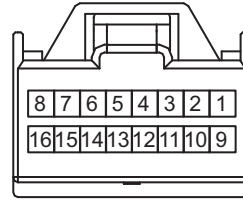
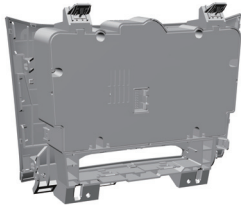
Pin	Definition	Pin	Definition
1	CAN_L	21	CAN_H
2	Circulating Motor +	22	-
3	Mode Motor -	23	-
4	Right Temperature Motor +	24	Evaporator Tank Temperature Sensor
5	Mode Motor +	25	Ambient Temperature Sensor
6	Left Temperature Motor -	26	-
7	Left Temperature Motor +	27	PM2.5 Sensor
8	Right Temperature Motor -	28	-
9	Circulating Motor -	29	-
10	-	30	-
11	IGN	31	-
12	Motor Power Supply	32	Blower Feedback Positive End
13	Circulating Motor Information Feedback	33	-
14	Mode Motor Information Feedback	34	Blower Control End
15	Left Temperature Motor Information Feedback	35	Blower Feedback Negative End
16	Right Temperature Motor Information Feedback	36	Sensor Ground
17	Ground	37	Sensor Ground
18	Ground	38	Sensor Power Supply
19	Power Supply	39	ECV+
20	Power Supply	40	ECV-

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



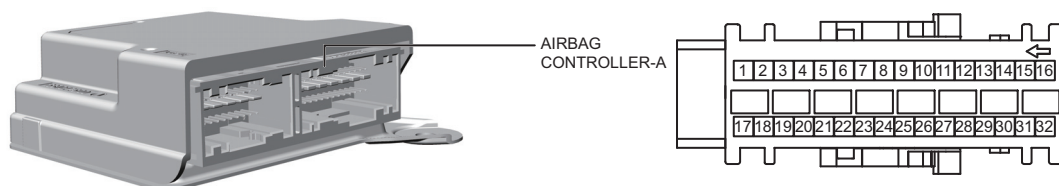
Pin	Definition	Pin	Definition
1	PM2.5 Sensor Enabled	21	–
2	AQS Sensor	22	–
3	–	23	Right Negative Ion Generator Diagnosis Signal
4	–	24	Left Face Temperature Sensor
5	–	25	Right Face Temperature Sensor
6	–	26	Left Foot Temperature Sensor
7	–	27	Right Foot Temperature Sensor
8	–	28	–
9	–	29	Microlight Sensor
10	–	30	Left Solar Sensor
11	–	31	Right Solar Sensor
12	–	32	Left Negative Ion Generator Diagnosis Signal
13	–	33	–
14	–	34	Blower Relay Control End
15	–	35	–
16	–	36	–
17	–	37	–
18	–	38	–
19	–	39	–
20	Negative Ion Generator Enabled	40	–

A/C Control Panel (AIPM) Terminal Definition



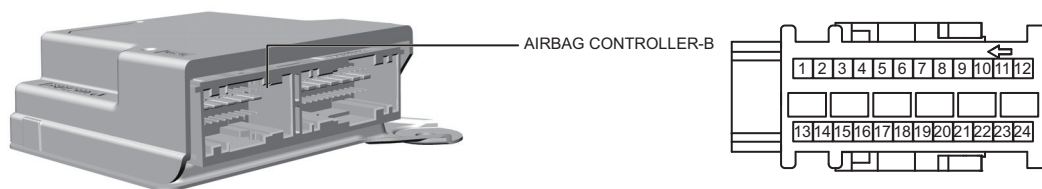
Pin	Definition	Pin	Definition
1	–	9	–
2	–	10	–
3	–	11	–
4	CAN-H	12	–
5	CAN-L	13	–
6	–	14	–
7	GND	15	–
8	–	16	KL30

Airbag Control Module A Terminal Definition



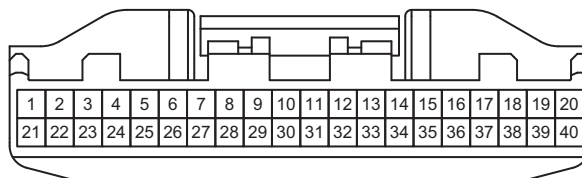
Pin	Definition	Pin	Definition
A1	Front Right Seat Side Airbag (+)	A17	–
A2	Front Right Seat Side Airbag (–)	A18	–
A3	Driver Airbag (–)	A19	–
A4	Driver Airbag (+)	A20	–
A5	Front Passenger Airbag (+)	A21	–
A6	Front Passenger Airbag (–)	A22	–
A7	Front Left Seat Side Airbag (–)	A23	–
A8	Front Left Seat Side Airbag (+)	A24	–
A9	Left Curtain Shield Airbag (+)	A25	Front Passenger Weight Detection Sensor
A10	Left Curtain Shield Airbag (–)	A26	Front Passenger Seat Belt Buckle Switch
A11	Right Curtain Shield Airbag (–)	A27	–
A12	Right Curtain Shield Airbag (+)	A28	–
A13	Right Side Collision Sensor (+)	A29	Front Left Collision Sensor (+)
A14	Right Side Collision Sensor (–)	A30	Front Left Collision Sensor (–)
A15	Left Side Collision Sensor (–)	A31	Front Right Collision Sensor (–)
A16	Left Side Collision Sensor (+)	A32	Front Right Collision Sensor (+)

Airbag Control Module B Terminal Definition



Pin	Definition	Pin	Definition
B1	IGN Power Supply	B13	Front Right Seat Belt with Pretensioner (Retractor) (+)
B2	GND	B14	Front Right Seat Belt with Pretensioner (Retractor) (-)
B3	GND (DCS GND)	B15	-
B4	Collision Output (ENS)	B16	-
B5	-	B17	-
B6	Driver Seat Belt Buckle Switch	B18	-
B7	-	B19	Front Left Seat Belt with Pretensioner (Retractor) (-)
B8	-	B20	Front Left Seat Belt with Pretensioner (Retractor) (+)
B9	-	B21	Second Row Right Seat Belt Pretensioner (+)
B10	-	B22	Second Row Right Seat Belt with Pretensioner (-)
B11	CAN_L	B23	Second Row Left Seat Belt with Pretensioner (-)
B12	CAN_H	B24	Second Row Left Seat Belt with Pretensioner (+)

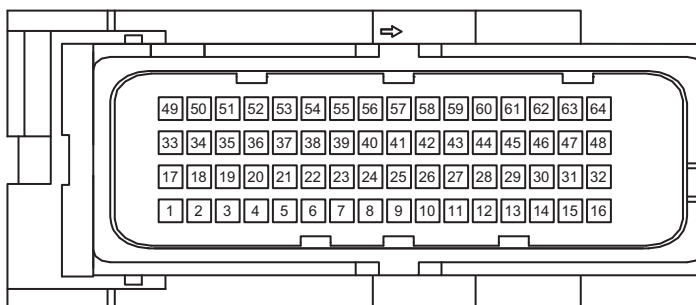
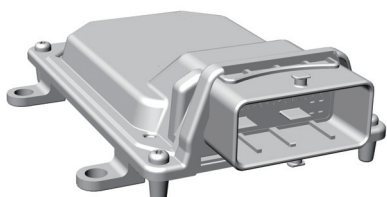
Passive Entry Passive Start (PEPS) Terminal Definition



Pin	Definition	Pin	Definition
1	–	21	–
2	ACC Relay Feedback, High Efficient Input	22	–
3	CAN Bus (CAN H)	23	–
4	CAN Bus (CAN L)	24	–
5	–	25	ENGINE START STOP Switch Backlight Power Supply Output, High Efficient
6	Luggage Compartment Door Open Button Input	26	Brake Pedal Input (AT), High Efficient
7	ENGINE START STOP Switch 2 Button Input, Low Efficient Input	27	–
8	ENGINE START STOP Switch 1 Button Input, Low Efficient Input	28	Ground
9	–	29	–
10	Driver Side Door Handle Antenna +	30	Driver Side Door Handle Antenna –
11	Interior Front Row Antenna –/ IMMO Antenna – (Antenna Reused)	31	Interior Front Row Antenna +/ IMMO Antenna + (Antenna Reused)
12	Front Passenger Side Door Handle Antenna +	32	Front Passenger Side Door Handle Antenna –
13	Interior Rear Row Antenna +	33	Interior Rear Row Antenna –
14	Rear Bumper Antenna +	34	Rear Bumper Antenna –
15	Driver Side Door Handle Button or Capacitive Door Handle Power Supply End	35	Front Passenger Side Door Handle Button or Capacitive Door Handle Ground End
16	Front Passenger Side Door Handle Button or Capacitive Door Handle Power Supply End	36	Driver Side Door Handle Button or Capacitive Door Handle Ground End
17	IG1 Relay Feedback, High Efficient Input	37	Ground

Pin	Definition	Pin	Definition
18	IG1 Relay Drive, High Efficient Output	38	IG2 Relay Feedback, High Efficient Input
19	IG2 Relay Drive, High Efficient Output	39	START Relay Drive, High Efficient Output
20	Power Supply, 5A Fuse	40	ACC Relay Drive, High Efficient Output

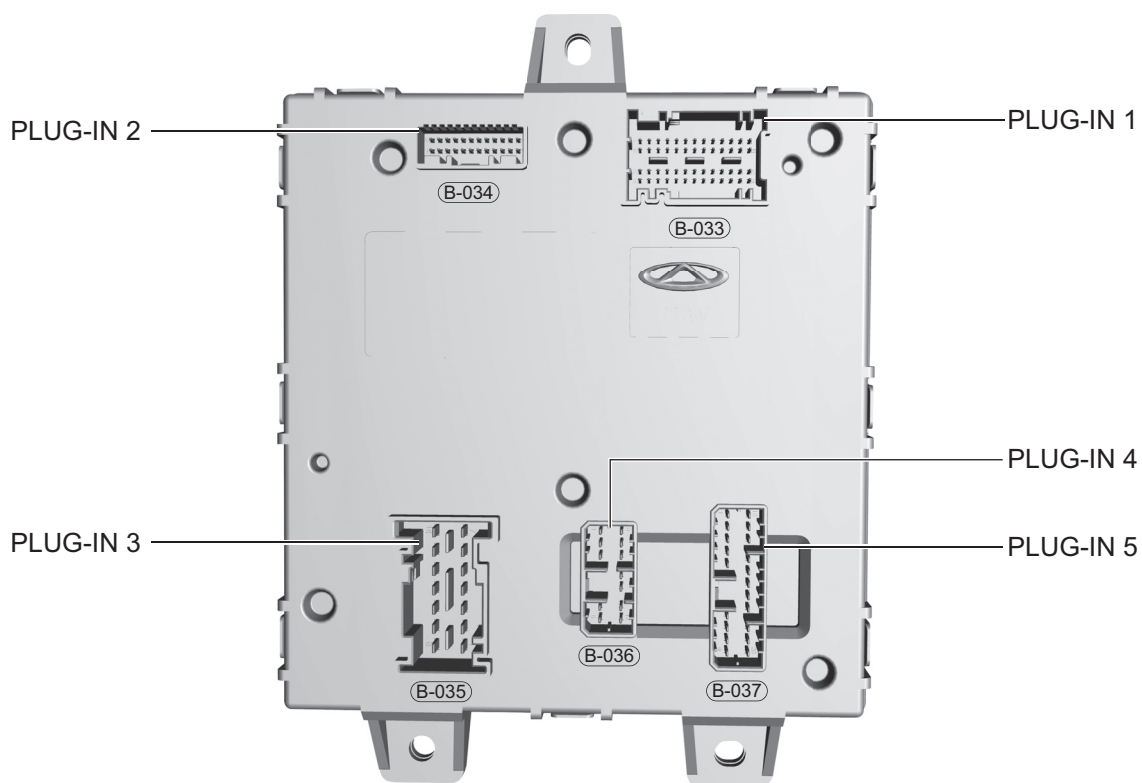
Fuel Pump Controller Terminal Definition



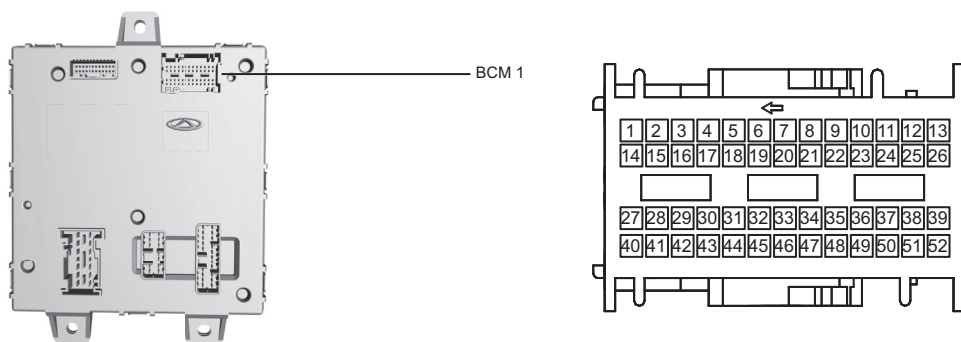
Pin	Definition	Pin	Definition
1	CAN-H	33	-
2	-	34	-
3	-	35	-
4	-	36	-
5	-	37	-
6	-	38	-
7	-	39	-
8	-	40	-
9	-	41	-
10	-	42	-
11	-	43	-
12	-	44	-
13	-	45	-
14	-	46	-
15	Fuel Pump Control Enabled	47	KL30
16	-	48	Oil Pump Motor Positive
17	CAN-L	49	-
18	-	50	-
19	-	51	-
20	-	52	-
21	-	53	-

Pin	Definition	Pin	Definition
22	–	54	–
23	–	55	–
24	–	56	–
25	–	57	–
26	–	58	–
27	–	59	–
28	–	60	–
29	–	61	–
30	–	62	–
31	KL15	63	Ground
32	–	64	Oil Pump Motor Negative

Body Control Module (BCM)



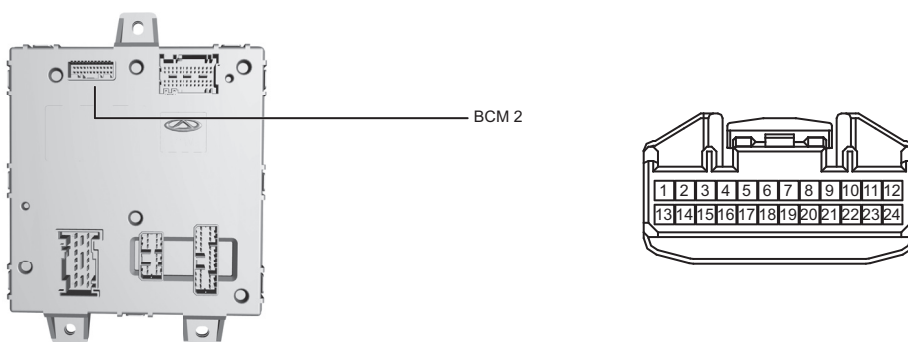
Body Control Module (BCM A) Pin Definition



Pin	Definition	Pin	Definition
1	–	27	Dome Light Input
2	–	28	–
3	–	29	Rear Defroster Output
4	Window Lock Indicator	30	High Speed Wiper Output
5	Front Left Turn Diagnosis	31	Position Light and Signal Light Output
6	Front Right Turn Diagnosis	32	–
7	Hard Wire Collision	33	Driver Side Front Right Window Regulator Switch
8	Rear Right Position Feedback	34	Driver Side Front Left Window Regulator Switch
9	–	35	Back Door Unlock Signal Input
10	Rear Left Door Open Signal	36	Passenger Side Window Regulator Disabled Switch
11	–	37	Front Right Door Open Signal
12	Rear Right Door Open Signal	38	–
13	Front Left Door Unlock Status Signal	39	Brake Switch Signal
14	–	40	–
15	–	41	Rear View Mirror Defroster Output
16	LIN Signal (TDL + RSM)	42	Low Speed Wiper Output
17	Front Fog Light Output	43	Low Beam Light Output
18	High Beam Light Output	44	Horn Output
19	Driver Side Rear Right Door Window Regulator Switch	45	AGND
20	Passenger Side Front Right Window Regulator Switch	46	–
21	Passenger Side Rear Left Window Regulator Switch	47	Driver Side Rear Left Window Regulator Switch

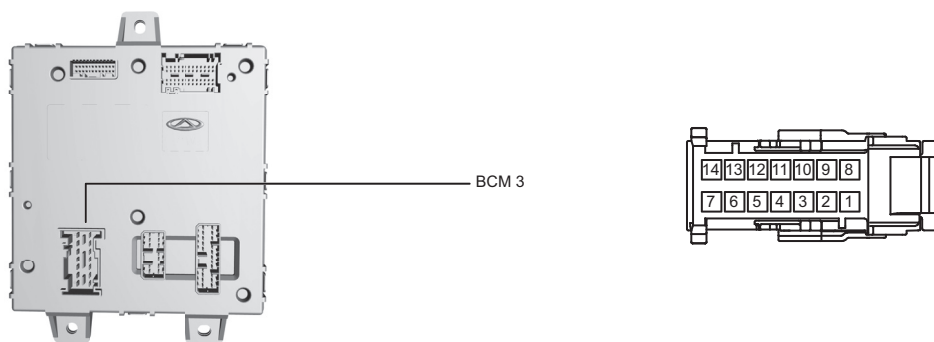
Pin	Definition	Pin	Definition
22	Passenger Side Rear Right Window Regulator Switch	48	Back Door Open Signal
23	Front Left Door Open Signal	49	Central Control Lock Switch Input
24	Front Wiper Stop Signal	50	Central Control Unlock Switch Input
25	Rear Left Position Feedback	51	–
26	Rear Wiper Stop Position Signal	52	Engine Hood Contact Switch

Body Control Module (BCM B) Pin Definition



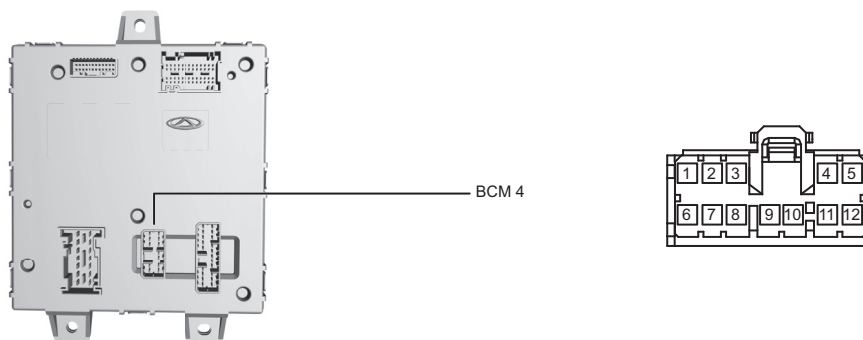
Pin	Definition	Pin	Definition
1	ESS Indicator Output	13	Marker Light ON
2	HS-CAN_L	14	Hazard Light Operation Indication Input
3	–	15	HS-CAN_H
4	–	16	–
5	–	17	IGN-ON Signal Input
6	–	18	–
7	ESS Switch Input	19	–
8	–	20	–
9	LDW Switch Input	21	–
10	Rear View Mirror Folding Input	22	–
11	Hazard Light Input	23	–
12	–	24	Light Adjustment Input

Body Control Module (BCM C) Pin Definition



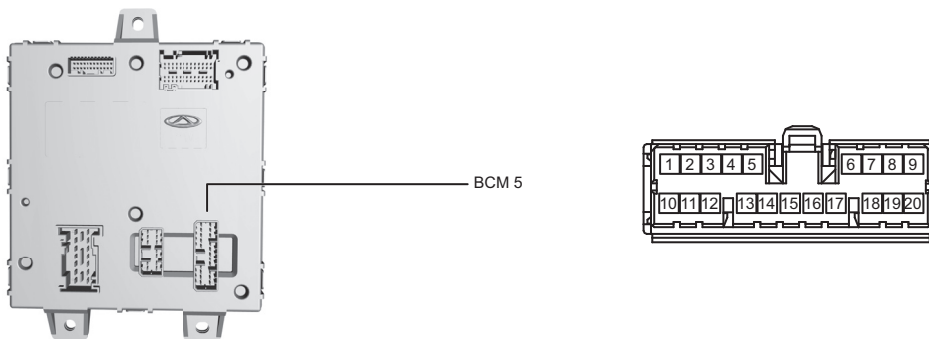
Pin	Definition	Pin	Definition
1	Power Supply 3 (Driver Unlock, Rear Wiper and Front/Rear Washer)	8	Rear Left Window Up Output
2	Power Supply 6 (Door Lock)	9	Rear Left Window Down Output
3	Ground 1	10	Power Supply 1 (Front Right Window and Rear Left Window)
4	Ground 2	11	Front Right Window Up Output
5	Rear Right Window Down Output	12	Front Right Window Down Output
6	Rear Right Window Up Output	13	Front Left Window Up Output
7	Power Supply 2 (Front Left Window and Rear Right Window)	14	Front Left Window Down Output

Body Control Module (BCM D) Pin Definition



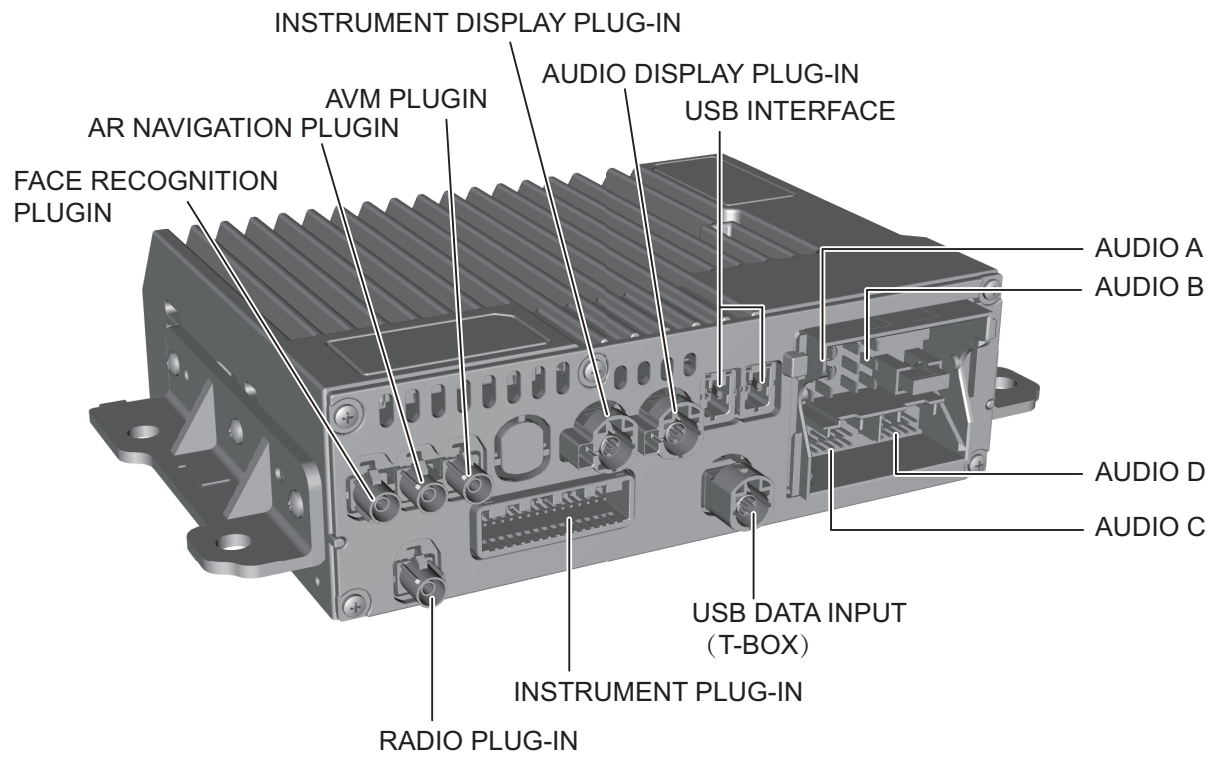
Pin	Definition	Pin	Definition
1	–	7	Backlight Adjustment Output
2	Central Control Unlock Output	8	Back-up Light Output
3	Central Control Lock Output	9	Power Supply 5 (AZ Light and Rear View Mirror)
4	Driver Unlock Output	10	Rear Wiper Output
5	Front Washer Output	11	–
6	–	12	Rear Washer Output

Body Control Module (BCM E) Pin Definition

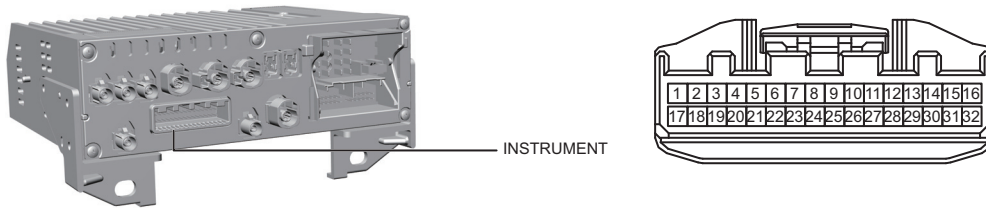


Pin	Definition	Pin	Definition
1	–	11	High Mounted Stop Light Output
2	Rear View Mirror Unfolding Output	12	Red Ambient Light Output
3	Rear View Mirror Folding Output	13	Blue Ambient Light Output
4	Left Turn Light Output	14	Left Daytime Running Light Output
5	Right Turn Light Output	15	Right Daytime Running Light Output
6	Central Door Lock Indicator	16	Battery Saving Output
7	Front Position Light	17	Rear Fog Light Output
8	Brake Light Output	18	Left Steering Auxiliary Light
9	Foot Light Output	19	Marker Light
10	Luggage Compartment Light Output	20	Power Supply 4 (Light Power Supply)

Domain Controller

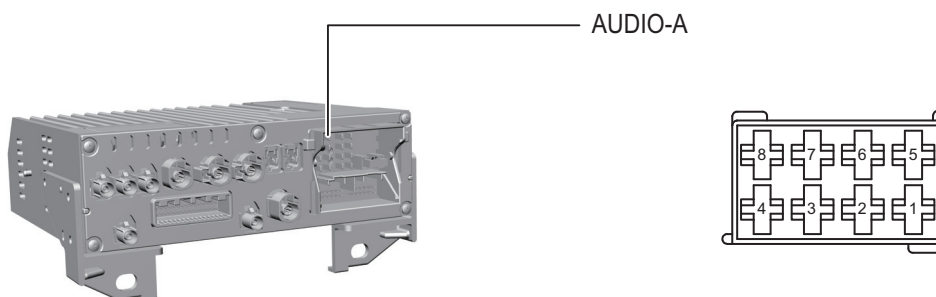


Domain Controller (Instrument Cluster) Terminal Definition



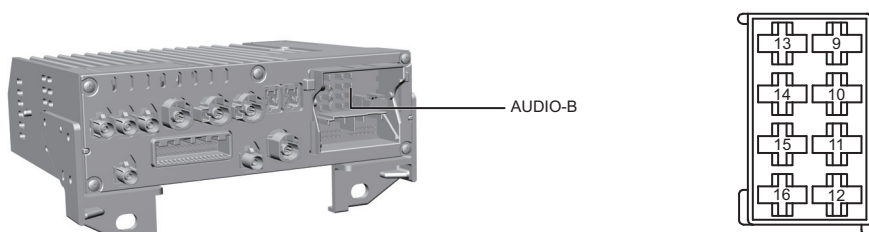
Pin	Definition	Pin	Definition
1	-	17	-
2	-	18	-
3	-	19	-
4	Drive Mode Signal	20	-
5	-	21	-
6	-	22	-
7	-	23	-
8	-	24	-
9	Oil Pressure Signal	25	-
10	-	26	Brake Fluid Level Signal
11	-	27	-
12	-	28	-
13	-	29	CAN-L
14	-	30	CAN-H
15	-	31	-
16	-	32	-

Domain Controller (Audio Unit A) Terminal Definition



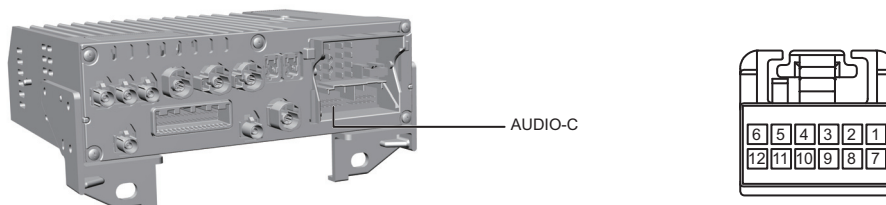
Pin	Definition	Pin	Definition
1	Rear Right Speaker +	5	Rear Right Speaker -
2	Front Right Speaker +	6	Front Right Speaker -
3	Front Left Speaker +	7	Front Left Speaker -
4	Rear Left Speaker +	8	Rear Left Speaker -

Domain Controller (Audio Unit B) Terminal Definition



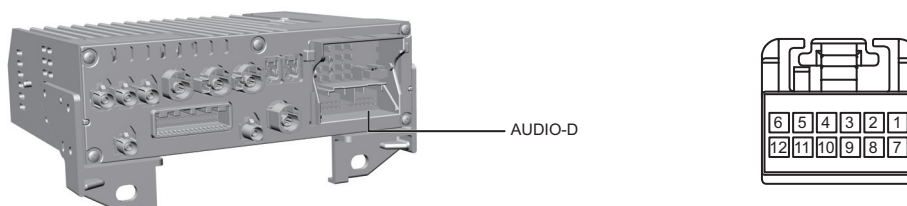
Pin	Definition	Pin	Definition
9	-	13	ACC
10	-	14	-
11	-	15	Power Supply
12	Ground	16	-

Domain Controller (Audio Unit C) Terminal Definition



Pin	Definition	Pin	Definition
1	Entertainment Information CAN H	7	Entertainment Information CAN L
2	Ignition Signal	8	-
3	Left MIC- Signal	9	Left MIC+ Signal
4	Right MIC+ Signal	10	Right MIC- Signal
5	-	11	-
6	-	12	-

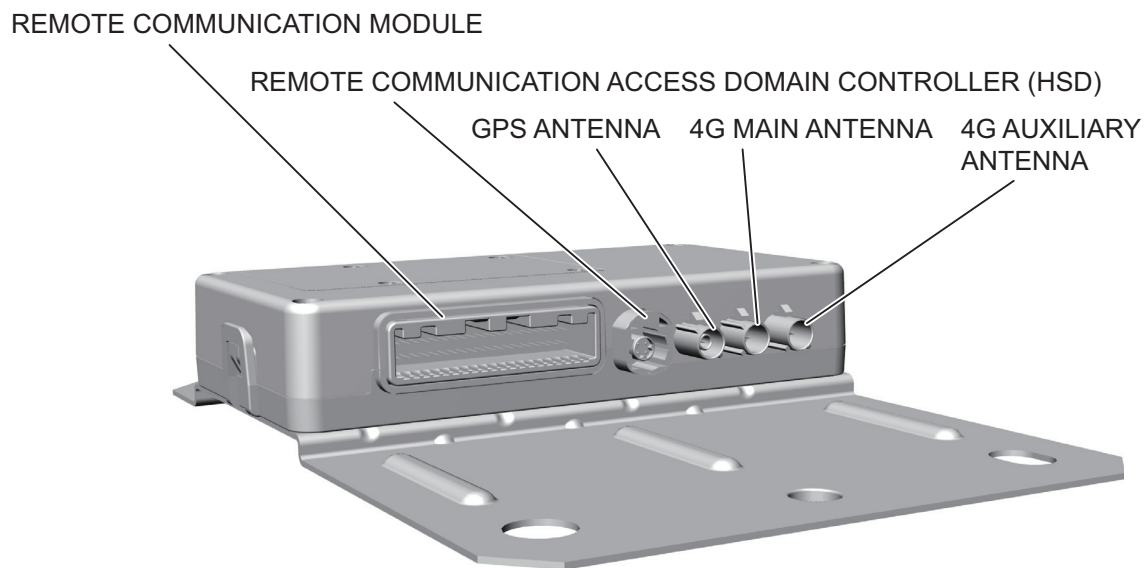
Domain Controller (Audio Unit D) Terminal Definition



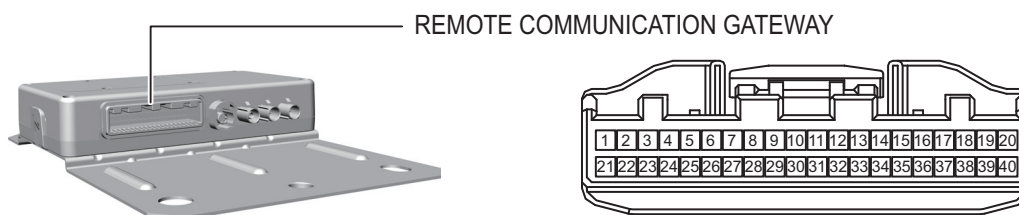
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Pin	Definition	Pin	Definition
1	T-BOX Audio Right Channel	7	T-BOX Audio Left Channel
2	T-BOX Audio Common End Ground	8	-
3	T-BOX Mute Cable Input	9	-
4	-	10	-
5	-	11	-
6	-	12	-

Information Communication Module

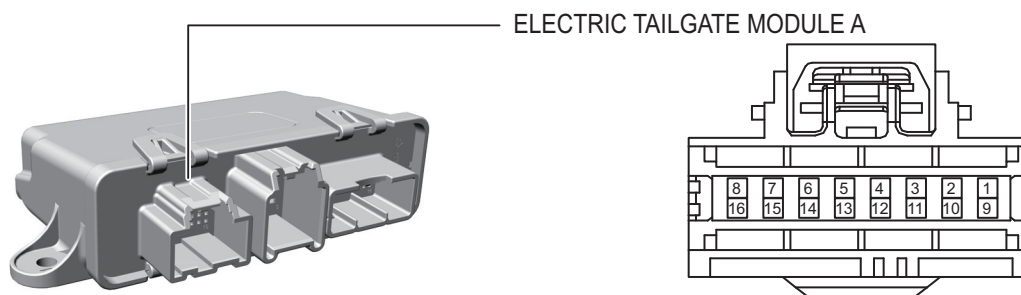


Information Communication Module – 1 Terminal Definition



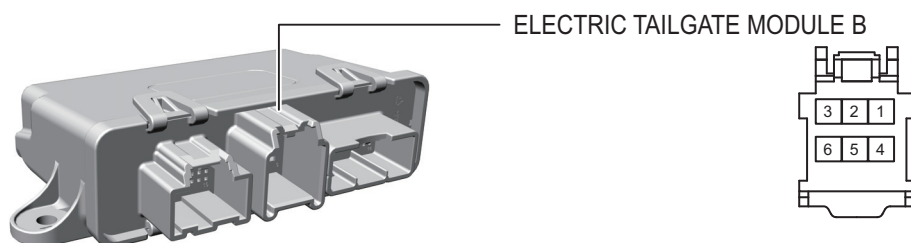
Pin	Definition	Pin	Definition
1	Power Supply	21	–
2	SOS Power Supply	22	–
3	Ground	23	–
4	LED Light Controlling SOS ON/ OFF	24	–
5	MIC Shielded Ground	25	MIC Output Signal
6	MIC Power Supply Input	26	MIC Ground
7	Audio Signal Shielded Ground	27	–
8	Audio Signal +	28	Audio Signal –
9	–	29	–
10	ECALL Switch Ground	30	ECALL Button Signal
11	Airbag Collision Signal	31	–
12	–	32	Mute
13	–	33	LED_Red Indicator
14	–	34	LED_Green Indicator
15	–	35	–
16	–	36	–
17	–	37	–
18	–	38	–
19	CAN-H	39	CAN-L
20	Power Supply	40	Ground

Power Back Door Module – A Terminal Definition



Pin	Definition	Pin	Definition
1	–	9	–
2	–	10	–
3	Back Door Closer Switch	11	–
4	–	12	–
5	Half Latch Signal	13	–
6	Full Latch Signal	14	–
7	–	15	LIN
8	Right Jam Protection Signal	16	Signal Ground

Power Back Door Module – B Terminal Definition



Pin	Definition	Pin	Definition
1	Back Door Lock Motor 2	4	10A Power Supply Input
2	Back Door Lock Motor 1	5	–
3	Power Supply	6	Ground

Power Back Door Module – C Terminal Definition



Pin	Definition	Pin	Definition
1	Support Rod Motor ON	8	Electric Support Rod "Hall Sensor Power Supply"
2	Support Rod Motor OFF	9	Electric Support Rod "Hall Signal 1"
3	–	10	Electric Support Rod "Hall Signal 2"
4	–	11	Electric Support Rod "Hall Sensor Ground"
5	–	12	–
6	–	13	–
7	–	14	–

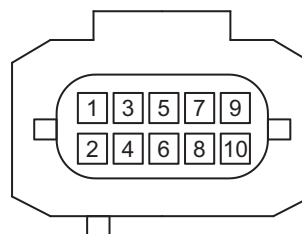
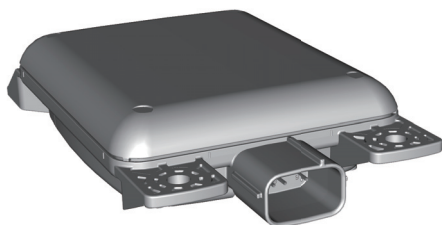
Left Blind Spot Monitoring Module Terminal Definition

09



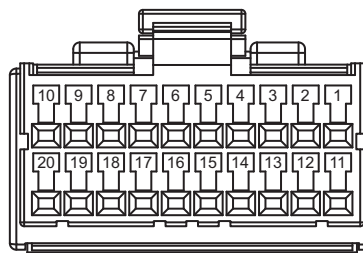
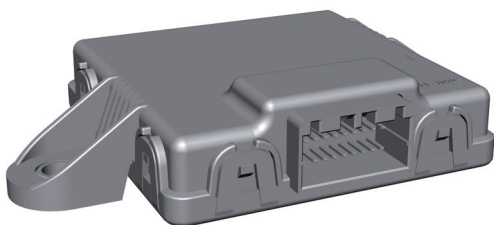
Pin	Definition	Pin	Definition
1	–	6	–
2	–	7	CAN-H
3	CAN-L	8	HMI Drive
4	Special CAN-H	9	Ground
5	Power Supply	10	Special CAN-L

Right Blind Spot Monitoring Module Terminal Definition



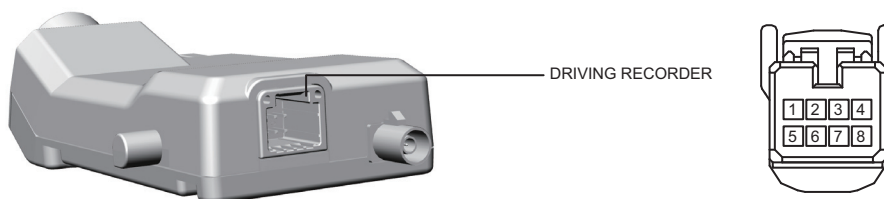
Pin	Definition	Pin	Definition
1	–	6	–
2	–	7	CAN-H
3	CAN-L	8	HMI Drive
4	Special CAN-H	9	Ground
5	Power Supply	10	Special CAN-L

Gateway Module Terminal Definition



Pin	Definition	Pin	Definition
1	Body CAN-H	11	Body CAN-L
2	Power CAN-H	12	Power CAN-L
3	Chassis CAN-H	13	Chassis CAN-L
4	–	14	–
5	Information Entertainment CAN-H	15	Information Entertainment CAN-L
6	Diagnosis CAN-H	16	Diagnosis CAN-L
7	–	17	LIN
8	–	18	Power Supply
9	–	19	Power Supply
10	–	20	Ground

Driving Recorder Terminal Definition



Pin	Definition	Pin	Definition
1	Battery Positive	5	Ground
2	IGN	6	-
3	CAN_H	7	CAN_L
4	-	8	-

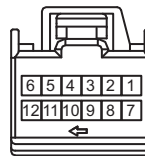
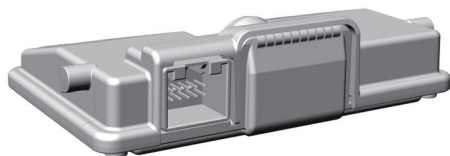
Front Radar Module Terminal Definition



09

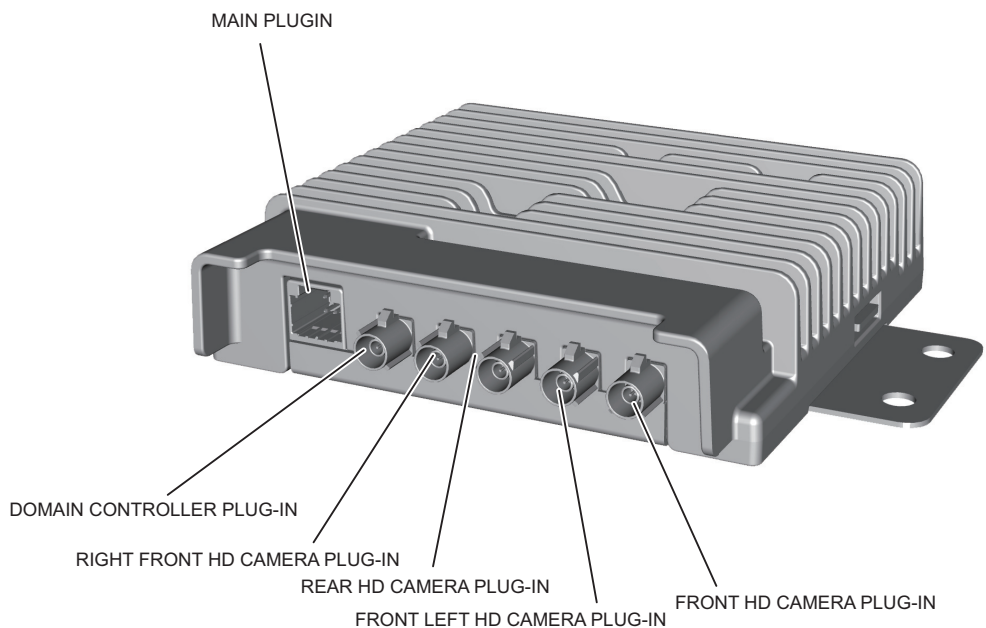
Pin	Definition	Pin	Definition
1	Ground	5	Internal CAN H
2	C-CAN H	6	Internal CAN L
3	C-CAN L	7	-
4	-	8	Power Supply

Front Camera Terminal Definition



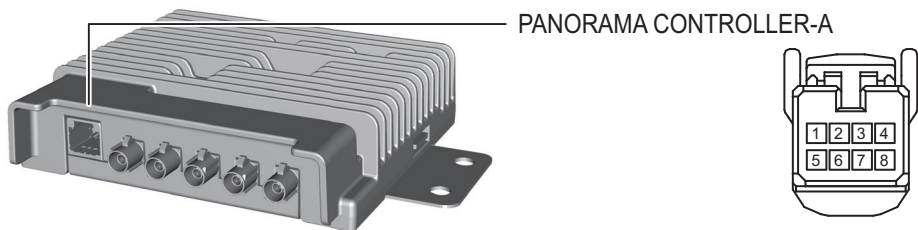
Pin	Definition	Pin	Definition
1	Internal CAN L	7	Internal CAN H
2	C-CAN L	8	C-CAN H
3	–	9	–
4	–	10	–
5	Ground	11	–
6	Power Supply	12	–

Panoramic Controller (without APA)



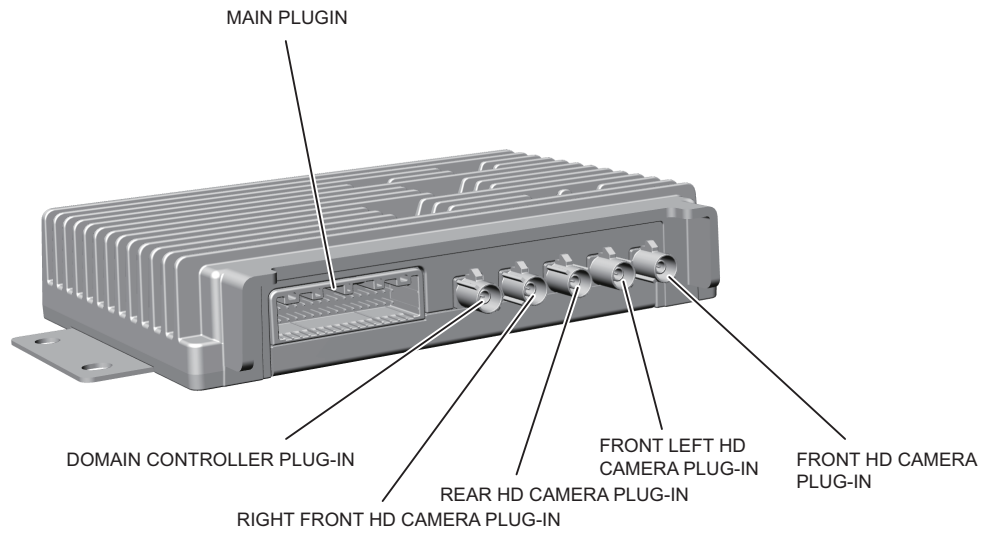
Panoramic Controller (without APA) – A Terminal Definition

09

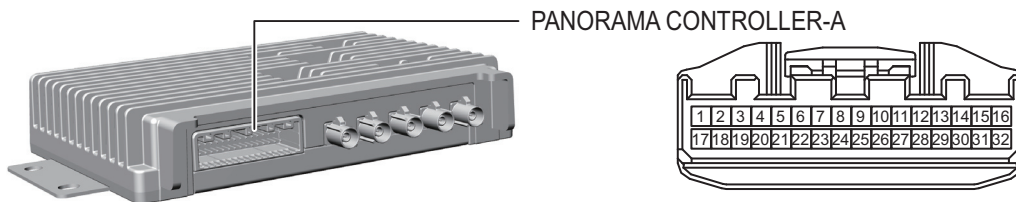


Pin	Definition	Pin	Definition
1	–	5	–
2	CAN H	6	CAN L
3	Ignition Signal	7	Switch Signal
4	Ground	8	Power Supply

Panoramic Controller (with APA)

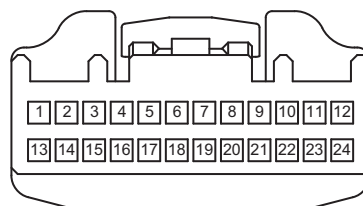
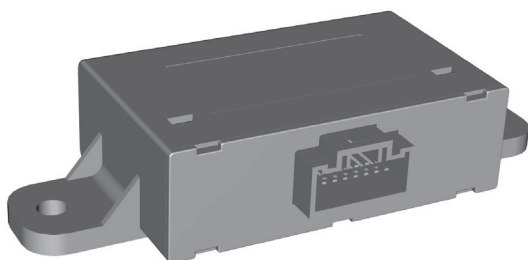


Panoramic Controller (with APA) – A Terminal Definition



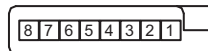
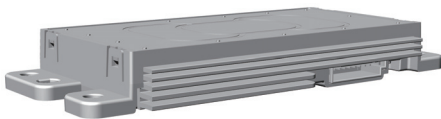
Pin	Definition	Pin	Definition
1	APA-LED	17	APA Switch Signal (Low Level)
2	PDC-LED	18	PDC Switch Signal (Low Level)
3	Signal Ground (Rear)	19	Signal Power Supply (Rear)
4	Signal (Rear Right)	20	Signal (Rear Left)
5	Signal (Rear Left)	21	Signal (Rear Left Center)
6	Signal (Rear Right Center)	22	Signal (Rear Right)
7	Signal Ground (Front)	23	Signal Power Supply (Front)
8	Signal (Front Right)	24	Signal (Front Left)
9	Signal (Front Left)	25	Signal (Left Center)
10	Signal (Right Center)	26	Signal (Front Right)
11	-	27	AVM Switch Signal (Low Level)
12	-	28	-
13	-	29	-
14	Chassis – CAN_L	30	Chassis – CAN_H
15	-	31	Power Supply
16	Ground	32	Power Supply

Parking Radar Controller Terminal Definition



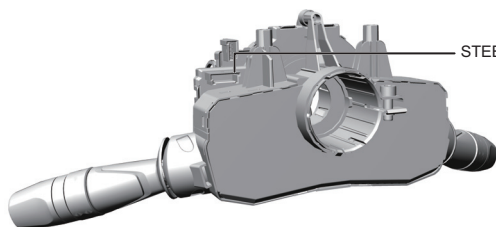
Pin	Definition	Pin	Definition
1	–	13	–
2	–	14	–
3	Power Supply	15	Right Side Reversing Radar Sensor Signal
4	Right Center Reversing Radar Sensor Signal	16	Ground
5	CAN-H	17	Left Parking Radar Sensor Signal
6	CAN-L	18	Left Center Parking Radar Sensor Signal
7	Left Reversing Radar Sensor Signal	19	Right Center Parking Radar Sensor Signal
8	Left Center Reversing Radar Sensor Signal	20	Right Parking Radar Sensor Signal
9	–	21	–
10	–	22	PDC Alarm Sound OFF Indicator
11	Left Center Reversing Radar Sensor Power Supply	23	PDC Alarm Sound OFF
12	Right Reversing Radar Sensor Ground	24	–

Wireless Charging Module Terminal Definition

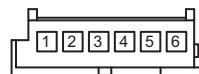


Pin	Definition	Pin	Definition
1	Power Supply	5	I-CAN H
2	Power Supply	6	I-CAN L
3	-	7	-
4	Ground	8	-

Steering Column Module A Terminal Definition



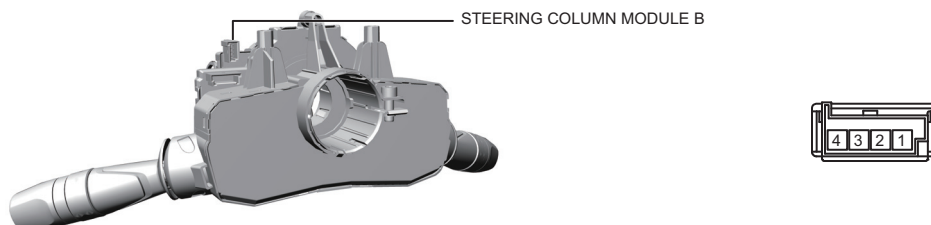
STEERING COLUMN MODULE A



09

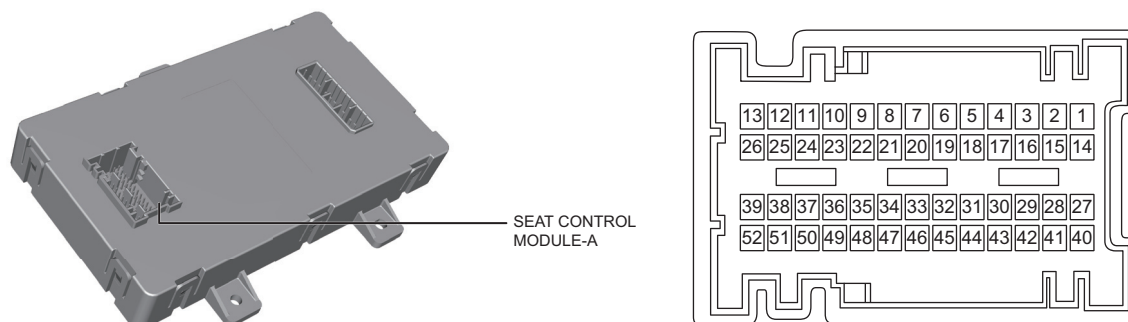
Pin	Definition	Pin	Definition
1	Power Supply	4	CAN H
2	-	5	LIN
3	CAN L	6	Ground

Steering Column Module B Terminal Definition



Pin	Definition	Pin	Definition
1	Horn Switch Ground	3	Airbag Negative
2	Horn Switch	4	Airbag Positive

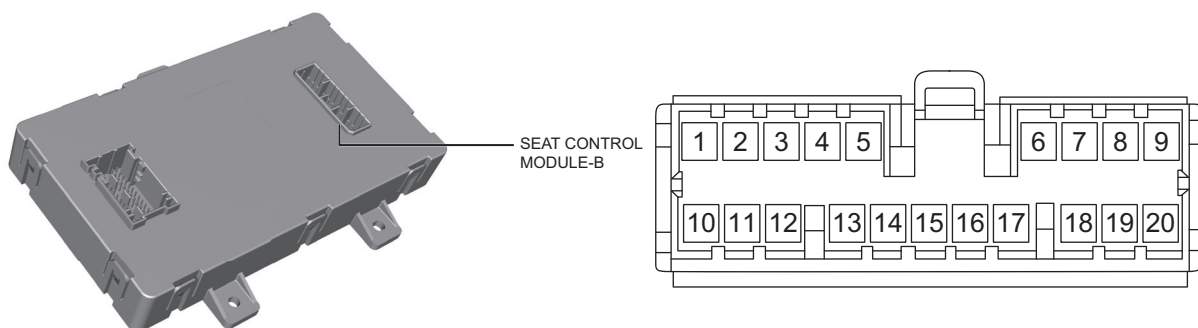
Seat Control Module – 1 Terminal Definition



Pin	Definition	Pin	Definition
1	15 Electrical Detection	27	–
2	Front Left Seat Height Adjustment Switch	28	–
3	Front Left Seat Front and Back Adjustment Switch	29	–
4	Front Left Seatback Adjustment Switch	30	–
5	Front Left Seat Cushion Adjustment Switch	31	–
6	–	32	–
7	–	33	Seat Height HALL Signal
8	–	34	Seat Horizontal HALL Signal
9	–	35	Seatback HALL Signal
10	–	36	–
11	–	37	–
12	–	38	–

Pin	Definition	Pin	Definition
13	–	39	–
14	–	40	Front Left Seatback Ventilation
15	–	41	Front Right Seatback Ventilation
16	Front Right Seat NTC Feedback	42	Front Left Seat Cushion Ventilation
17	Front Left Seat NTC Feedback	43	Front Right Seat Cushion Ventilation
18	–	44	Seat HALL Signal Ground
19	Switch Ground	45	Front Left Seat NTC Ground
20	–	46	Front Right Seat NTC Ground
21	–	47	CANH
22	–	48	CANL
23	–	49	–
24	–	50	–
25	–	51	–
26	–	52	–

Seat Control Module – 2 Terminal Definition

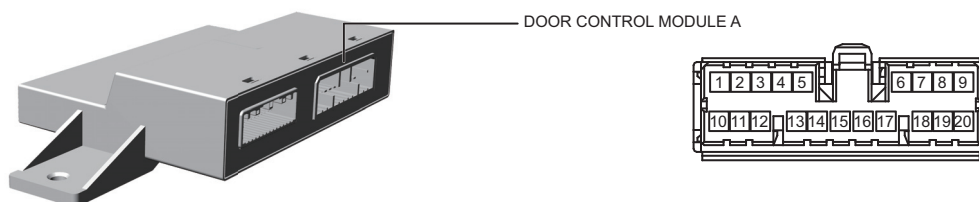


09

Pin	Definition	Pin	Definition
1	Front Right Seat Heater Ground	11	Front Left Seatback/Cushion Adjustment Common End
2	–	12	Front Left Seatback Adjustment
3	–	13	–
4	–	14	Power Supply
5	–	15	Ground
6	–	16	Ground
7	–	17	Power Supply
8	Front Left Seat Heater Ground	18	Front Left Seat Height Adjustment
9	Front Left Seat Heater Output	19	Front Left Seat Front and Back Adjustment

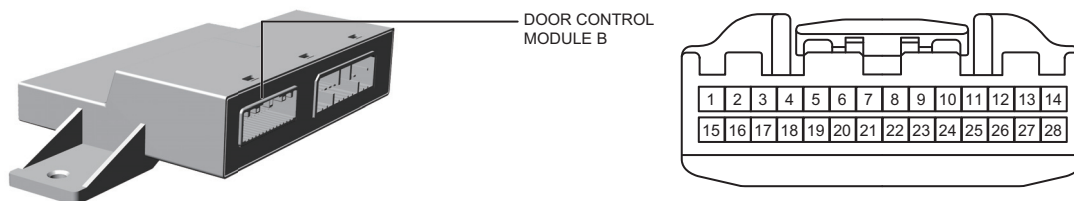
Pin	Definition	Pin	Definition
10	Front Right Seat Heater Output	20	Front Left Height/ Front and Back Adjustment Common End

Door Control Module A Terminal Definition



Pin	Definition	Pin	Definition
1	–	11	Ground
2	–	12	Ground
3	Blind Spot Monitor Output	13	Right Rear View Mirror Adjustment Common End
4	–	14	Right Rear View Mirror Horizontal Adjustment
5	Window Lock Switch Indicator	15	Right Rear View Mirror Vertical Adjustment
6	Rear Right Door Panel Warning Light	16	Power Supply
7	–	17	Rear Left Door Panel Warning Light
8	–	18	Left Rear View Mirror Vertical Adjustment
9	Power Supply	19	Left Rear View Mirror Horizontal Adjustment
10	–	20	Left Rear View Mirror Adjustment Common End

Door Control Module B Terminal Definition



Pin	Definition	Pin	Definition
1	Driver Glass Regulator Switch	15	Left Rear View Mirror Up and Down Position Signal
2	Driver Glass Regulator Switch	16	Left Rear View Mirror Left and Right Position Signal
3	Right Rear View Mirror Up and Down Position Signal	17	CAN-H
4	Right Rear View Mirror Left and Right Position Signal	18	CAN-L
5	Driver Glass Regulator Switch	19	-
6	Driver Glass Regulator Switch	20	Ground
7	IGN Power Supply	21	Sensor Ground
8	Rear View Mirror Folding Input	22	-
9	-	23	-
10	Rear View Mirror Switch - 1	24	Rear View Mirror Position Sensor Power Supply
11	Rear View Mirror Switch - 2	25	-
12	Rear View Mirror Switch - 3	26	Central Control Switch Lock Input
13	Rear View Mirror Switch - 4	27	Central Control Switch Unlock Input
14	Rear View Mirror Switch - 5	28	Window Lock Switch

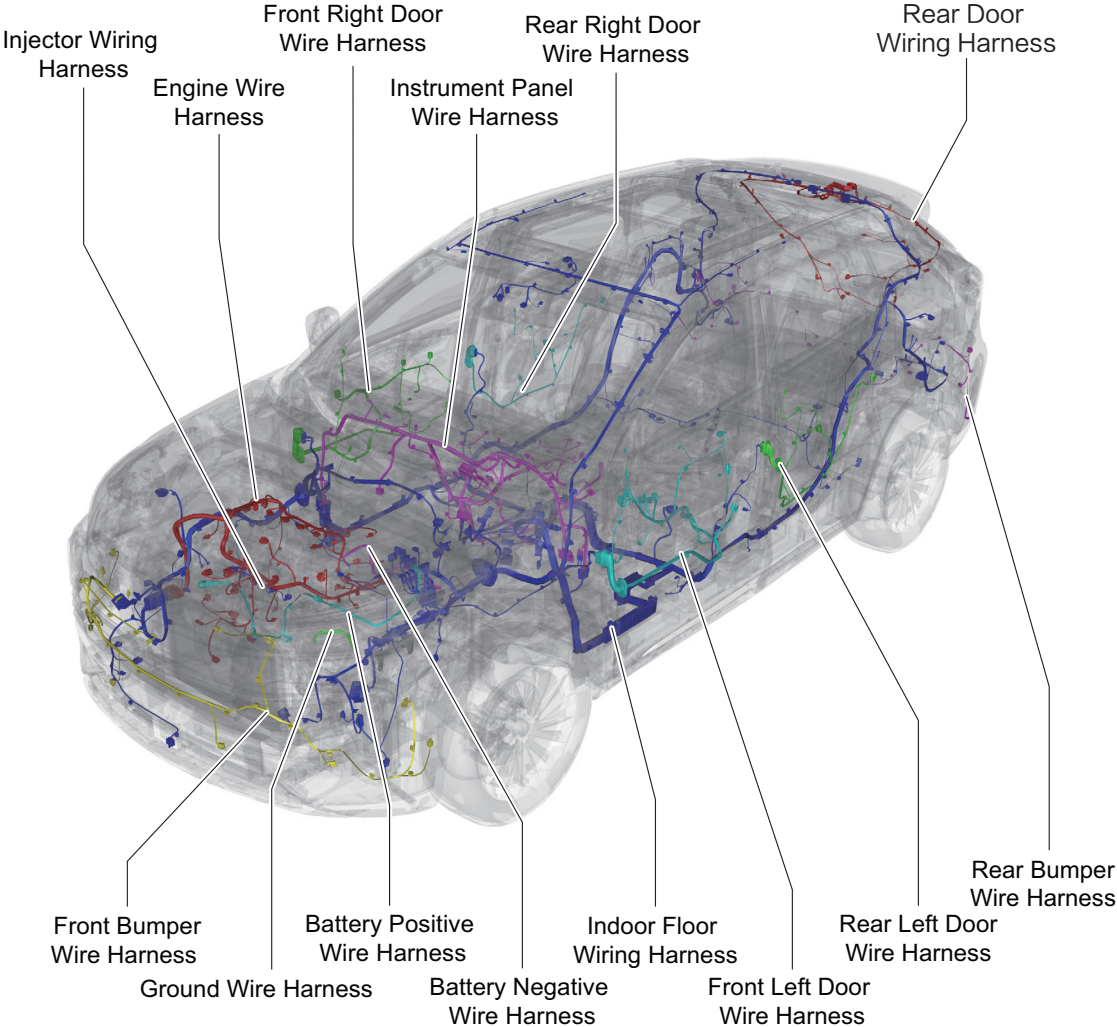
Wire Harness Location Diagram

General information

This section describes location information for vehicle wire harnesses and electrical components in a graphical view. Each part of vehicle wire harness has a specific color to make it easier to distinguish. However, color does not indicate actual color of the wire harness.

Wire harness layout

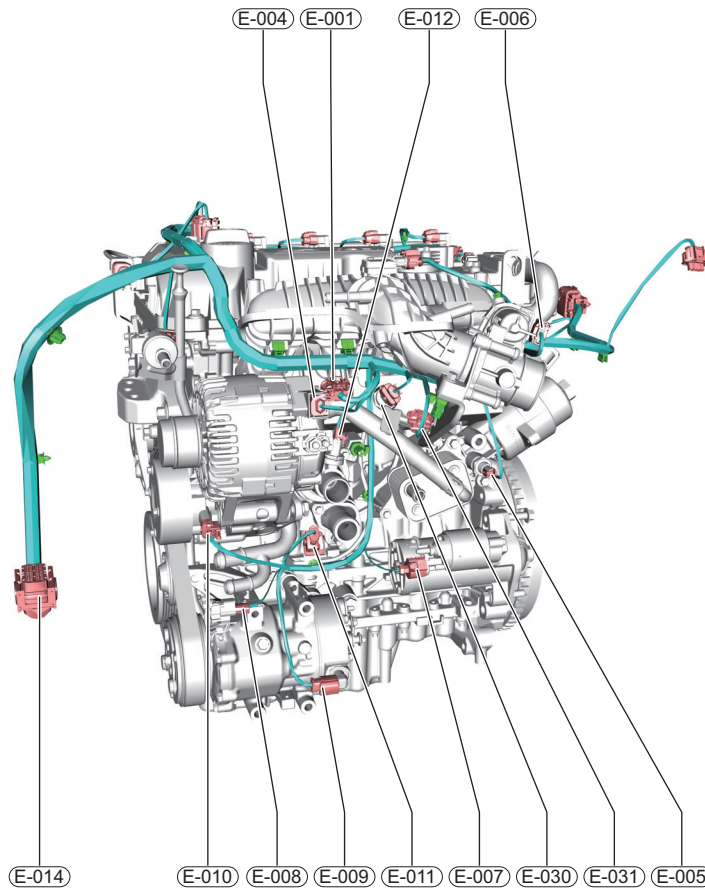
Vehicle wiring layout



10

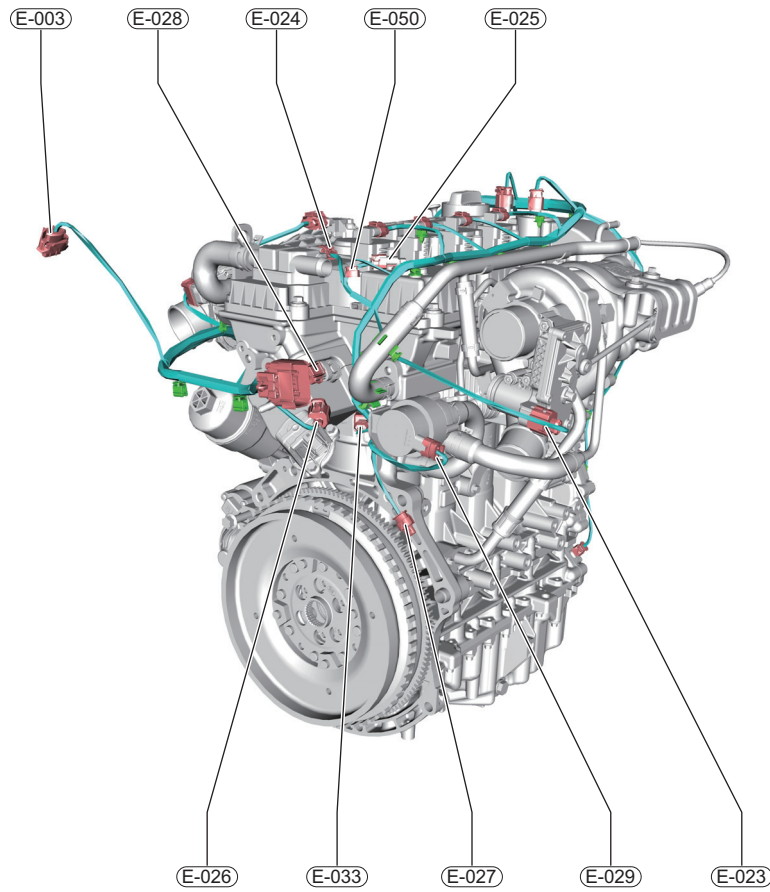
WHE000001

Engine wire harness



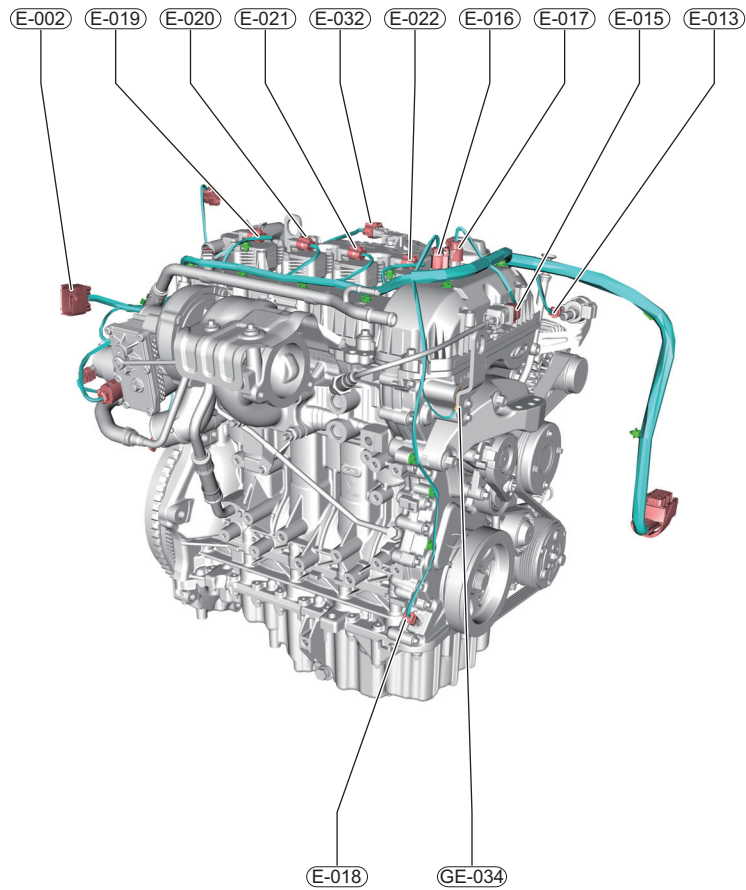
WHE001001

Connector No.	Connector Color/Pin	Connector Name
E-001	B/10	Engine Wire Harness to Injection Nozzle Wire Harness
E-004	B/2	Generator
E-005	B/1	Oil Pressure Switch
E-006	B/6	Electronic Throttle
E-007	B/1	Starter
E-008	B/2	Compressor External Control Valve
E-009	B/2	Compressor clutch
E-010	B/2	Switch Type Water Pump
E-011	B/3	Knock Sensor
E-012	Gr/2	Electronic Thermostat
E-014	B/60	ECU-A
E-030	B/3	Fuel Rail Pressure Sensor
E-031	B/3	Canister Desorption Pressure Sensor



WHE002001

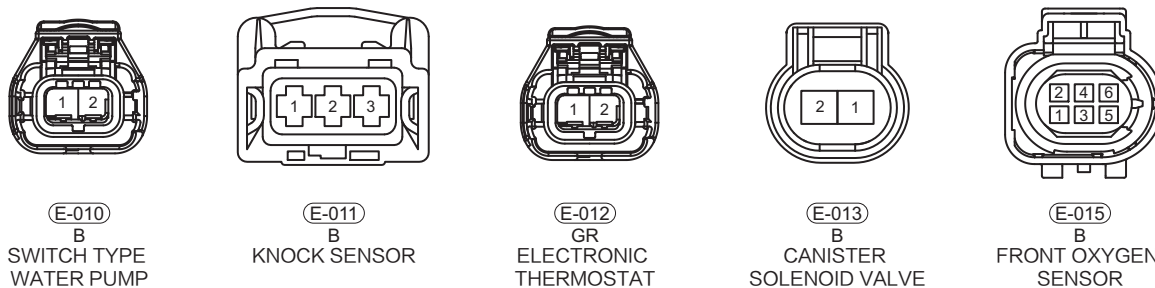
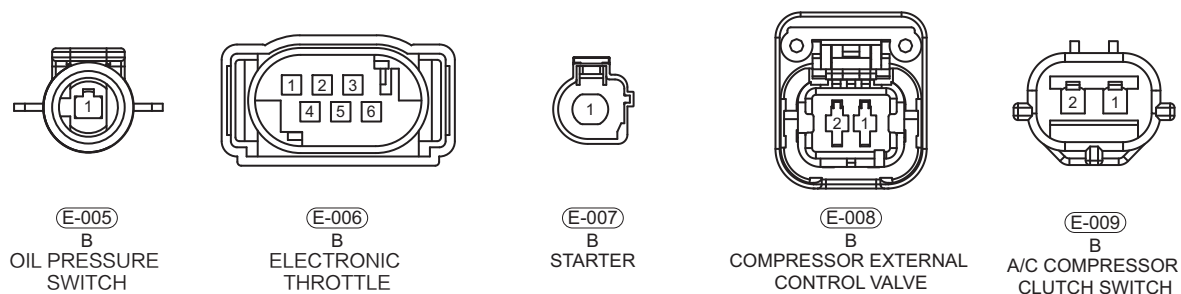
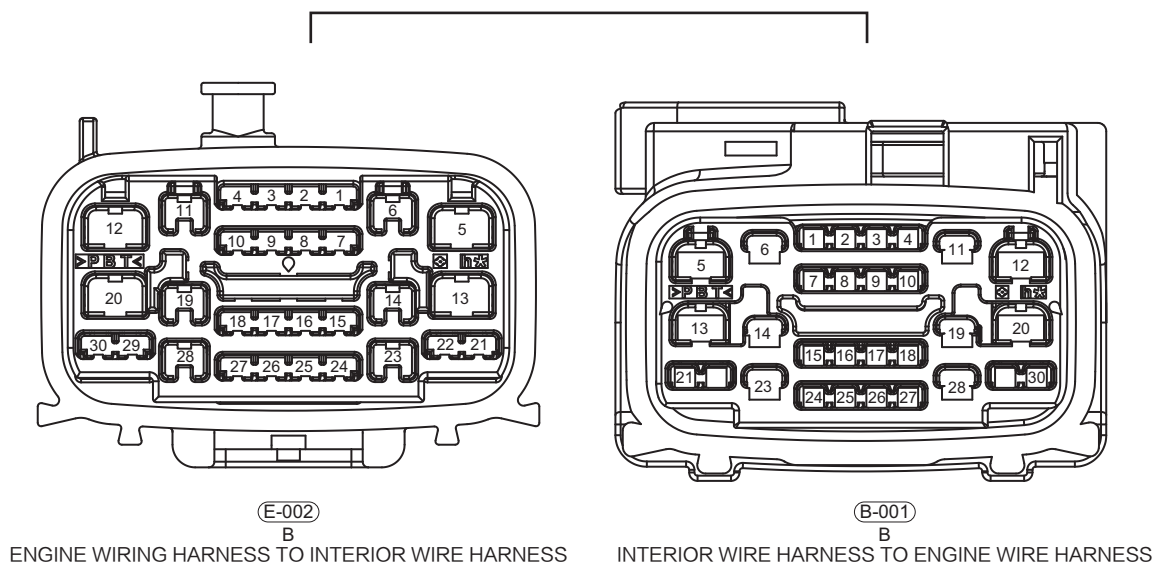
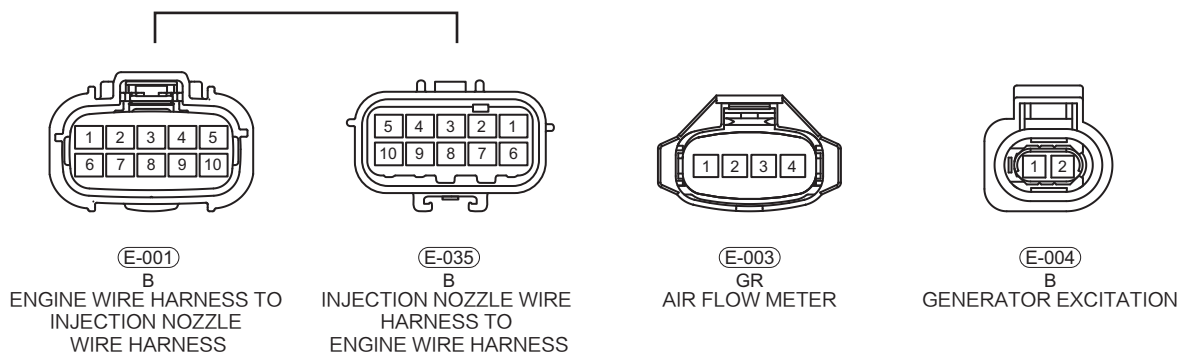
Connector No.	Connector Color/Pin	Connector Name
E-003	Gr/4	Air Flow Meter
E-023	O/6	Electronic Exhaust Valve
E-024	B/3	Intake Camshaft Phase Sensor
E-025	B/3	Exhaust Camshaft Phase Sensor
E-026	B/2	ERCV Valve
E-027	B/3	Engine Speed Sensor
E-028	B/2	High Pressure Fuel Pump
E-029	B/3	Electronic Water Pump
E-033	B/2	Water Temperature Sensor
E-050	B/2	Crank Vent Heater



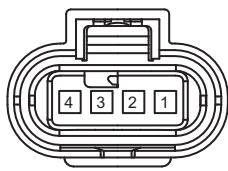
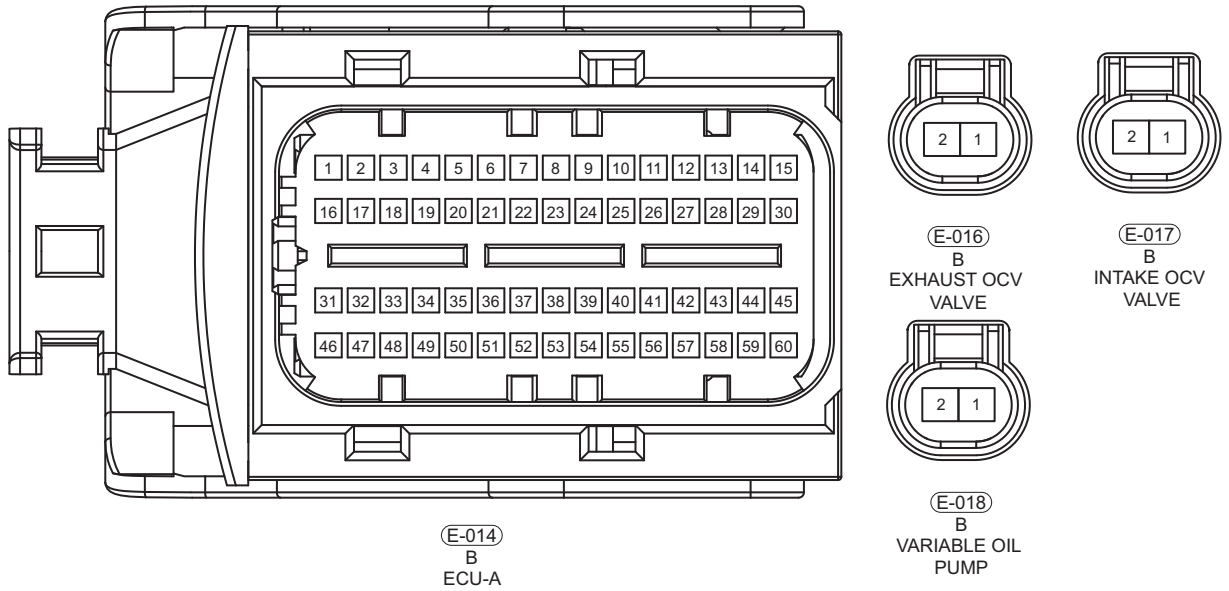
WHE003001

Connector No.	Connector Color/Pin	Connector Name
E-002	B/30	Engine Wire Harness to Interior Wire Harness
E-013	B/2	Canister Solenoid Valve
E-015	B/6	Front Oxygen Sensor
E-016	B/2	Exhaust OCV valve
E-017	B/2	Intake OCV valve
E-018	B/2	Variable Oil Pump
E-019	B/4	Ignition Coil -1
E-020	B/4	Ignition Coil -2
E-021	B/4	Ignition Coil -3
E-022	B/4	Ignition Coil -4
E-032	B/4	Intake Temperature & Pressure Sensor
GE-034	-	Ground Point G1.11

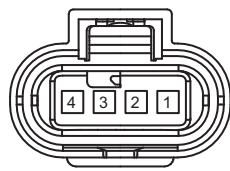
Engine wire harness connector list



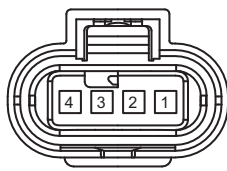
EPU001001



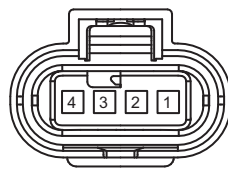
E-019
B
IGNITION COIL -1



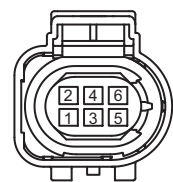
E-020
B
IGNITION COIL -2



E-021
B
IGNITION COIL -3



E-022
B
IGNITION COIL -4



E-023
O
ELECTRONIC EXHAUST VALVE



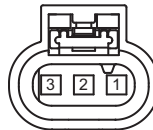
E-024
B
INTAKE CAMSHAFT PHASE SENSOR



E-025
B
EXHAUST CAMSHAFT PHASE SENSOR



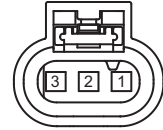
E-026
B
ERCV VALVE



E-027
B
ENGINE SPEED SENSOR



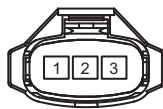
E-028
B
HIGH PRESSURE FUEL PUMP



E-029
B
ELECTRONIC WATER PUMP



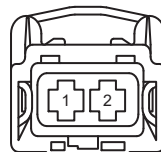
E-030
B
FUEL RAIL PRESSURE SENSOR



E-031
B
CANISTER DESORPTION PRESSURE SENSOR



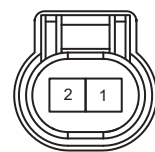
E-032
B
INTAKE TEMPERATURE & PRESSURE SENSOR



E-033
B
WATER TEMPERATURE SENSOR



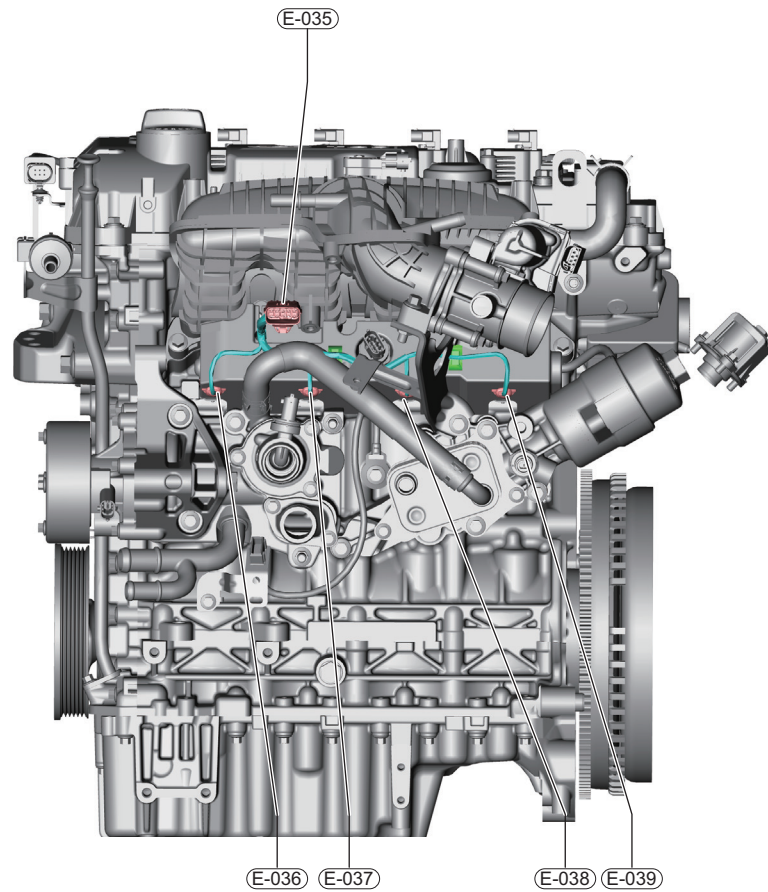
GE-034
GROUND POINT G1.11



E-050
B
CRANK VENT HEATER

EPU002001

Injection nozzle wire harness

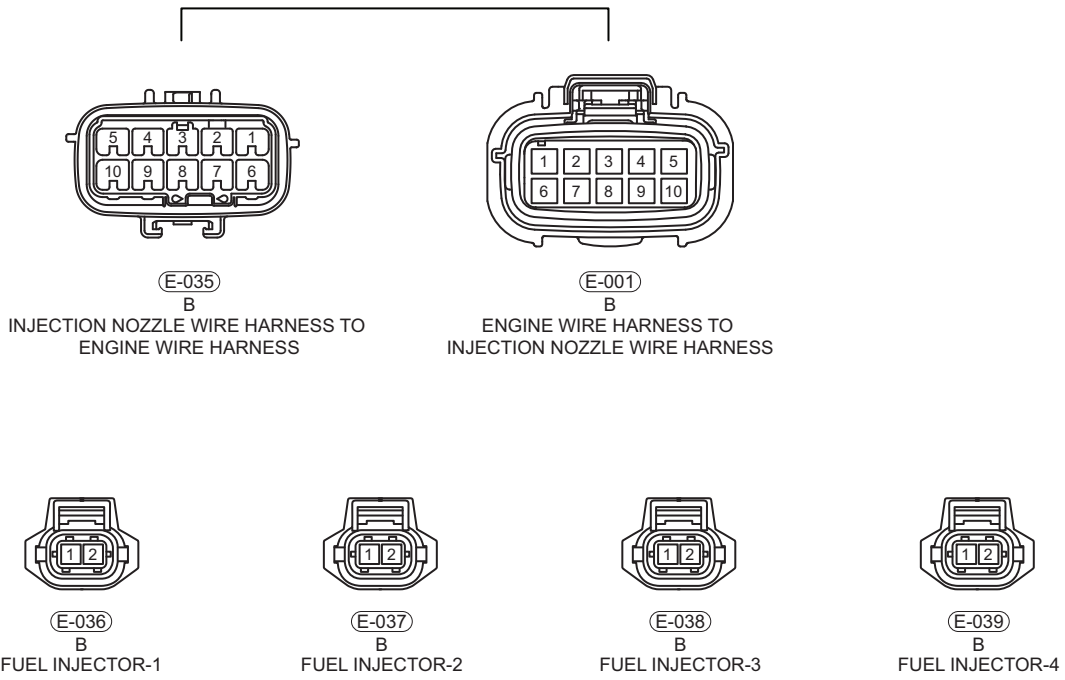


WHE004001

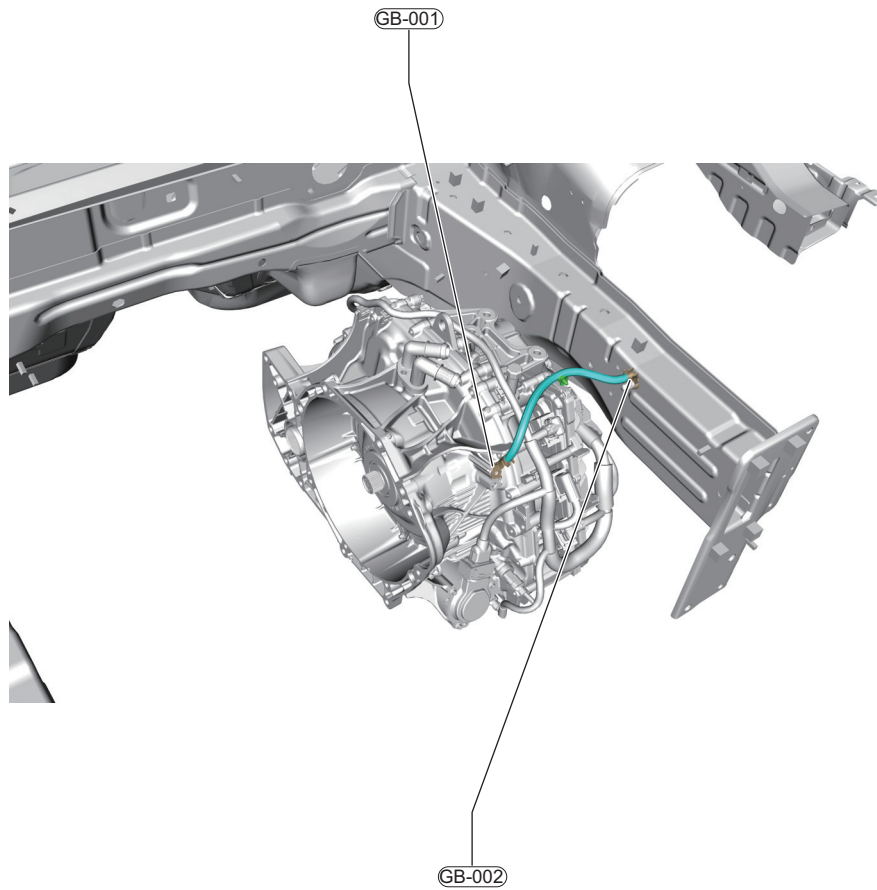
Connector No.	Connector Color/Pin	Connector Name
E-035	B/10	Injection Nozzle Wire Harness to Engine Wire Harness Interface
E-036	B/2	Fuel Injector 1
E-037	B/2	Fuel Injector 2
E-038	B/2	Fuel Injector 3
E-039	B/2	Fuel Injector 4

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Injection nozzle wire harness connector list



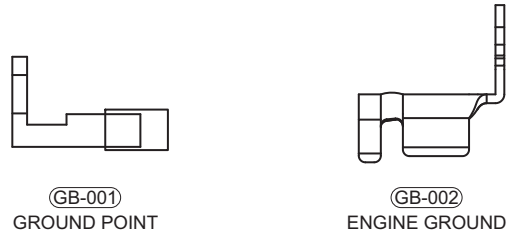
Engine negative wire harness



WHE005001

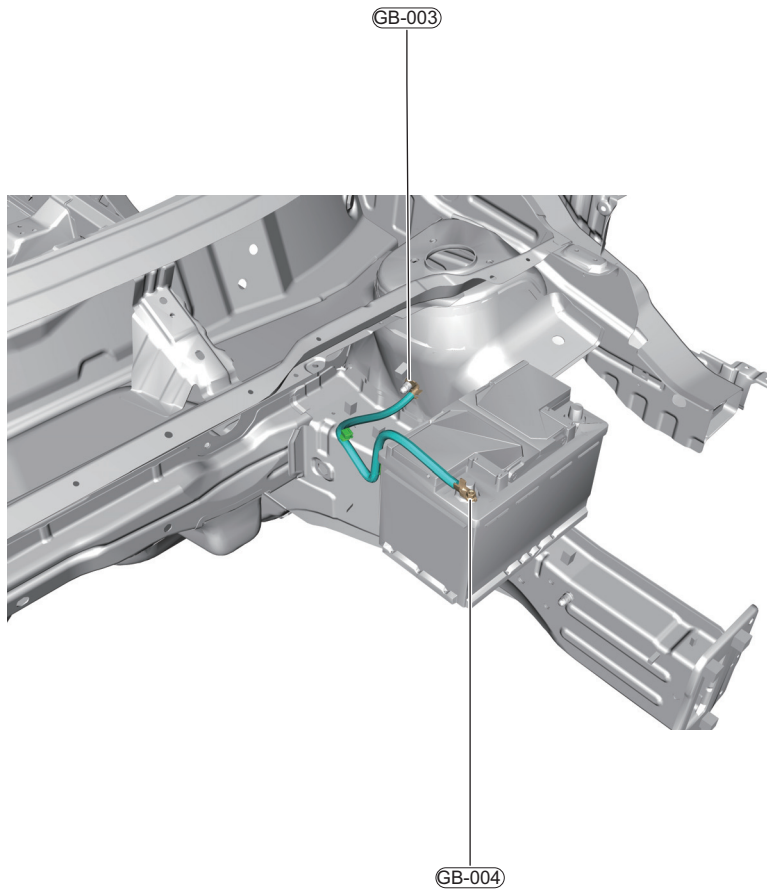
Connector No.	Connector Color/Pin	Connector Name
GB-001	/1	Ground Point
GB-002	/1	Engine Ground

Engine negative wire harness connector list



EPU004001

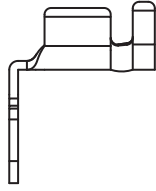
DCT negative wire harness



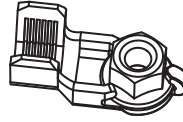
WHE006001

Connector No.	Connector Color/Pin	Connector Name
GB-003	/1	Ground Point
GB-004	1	Battery Negative

DCT negative wire harness connector list



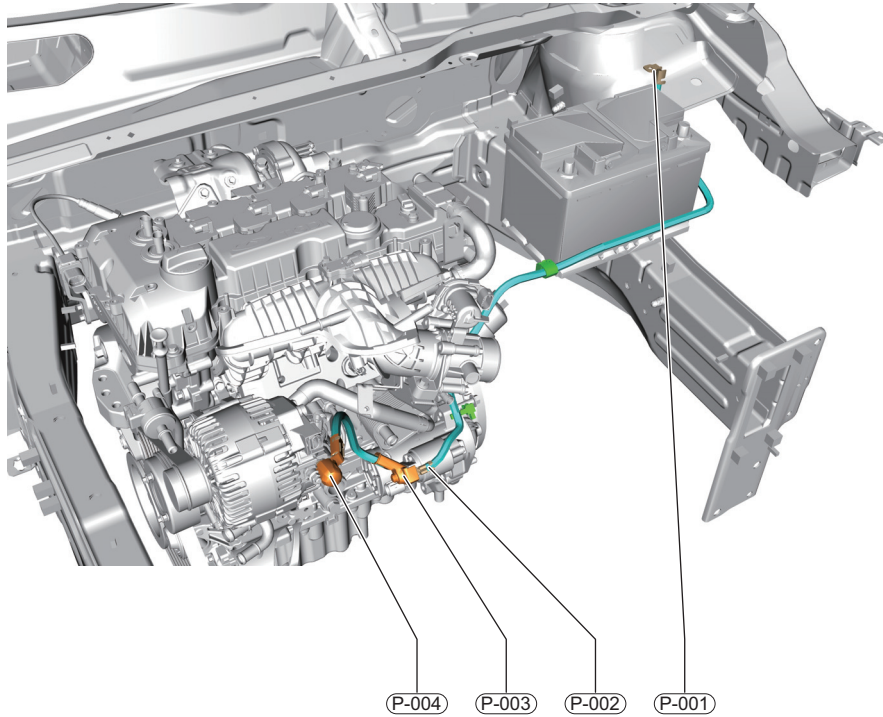
(GB-003)
GROUND POINT



(GB-004)
BATTERY NEGATIVE

EPU005001

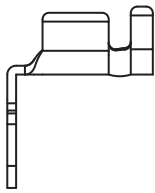
Starter positive wire harness



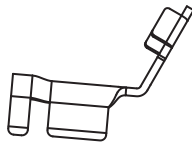
WHE042001

Connector No.	Connector Color/Pin	Connector Name
P-001	/1	Battery
P-002	/1	Starter Power Source
P-003	/1	Starter
P-004	/1	Generator

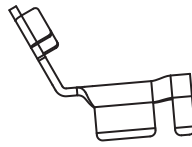
Starter positive wire harness connector list



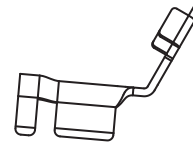
(P-001)
BATTERY



(P-002)
STARTER POWER SOURCE



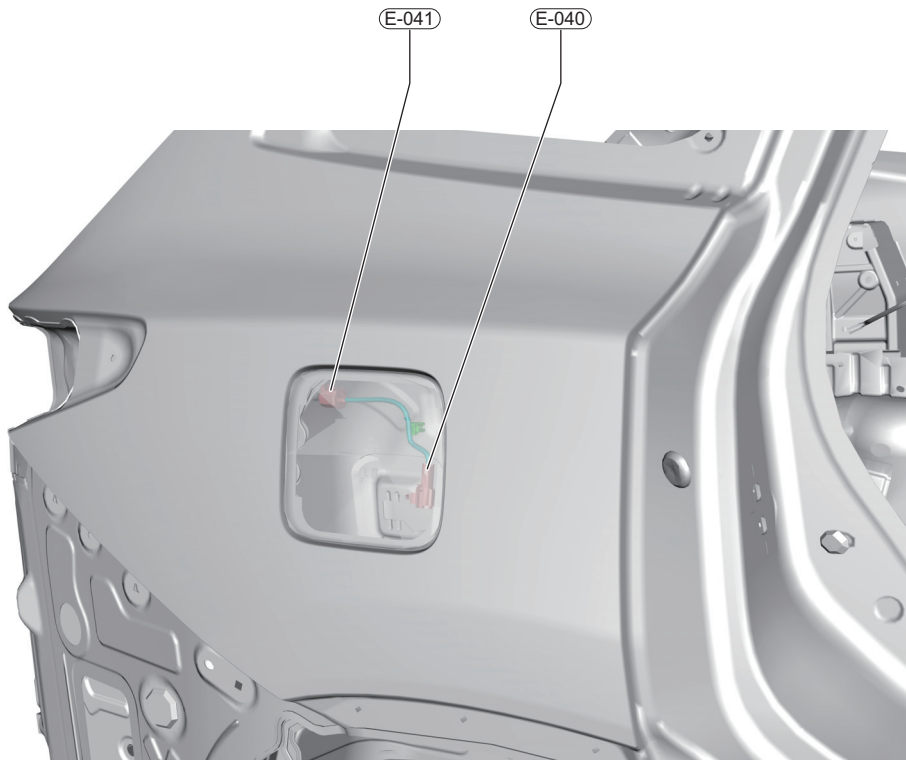
(P-003)
STARTER



(P-004)
GENERATOR

EPU027001

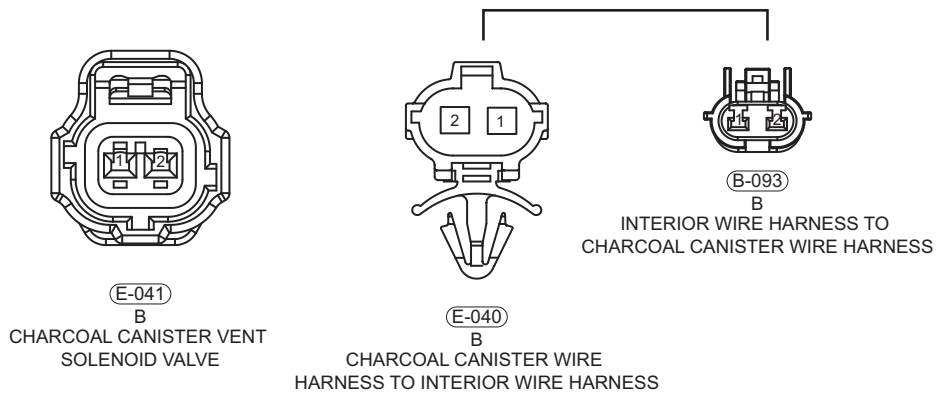
Charcoal canister wire harness



WHE043001

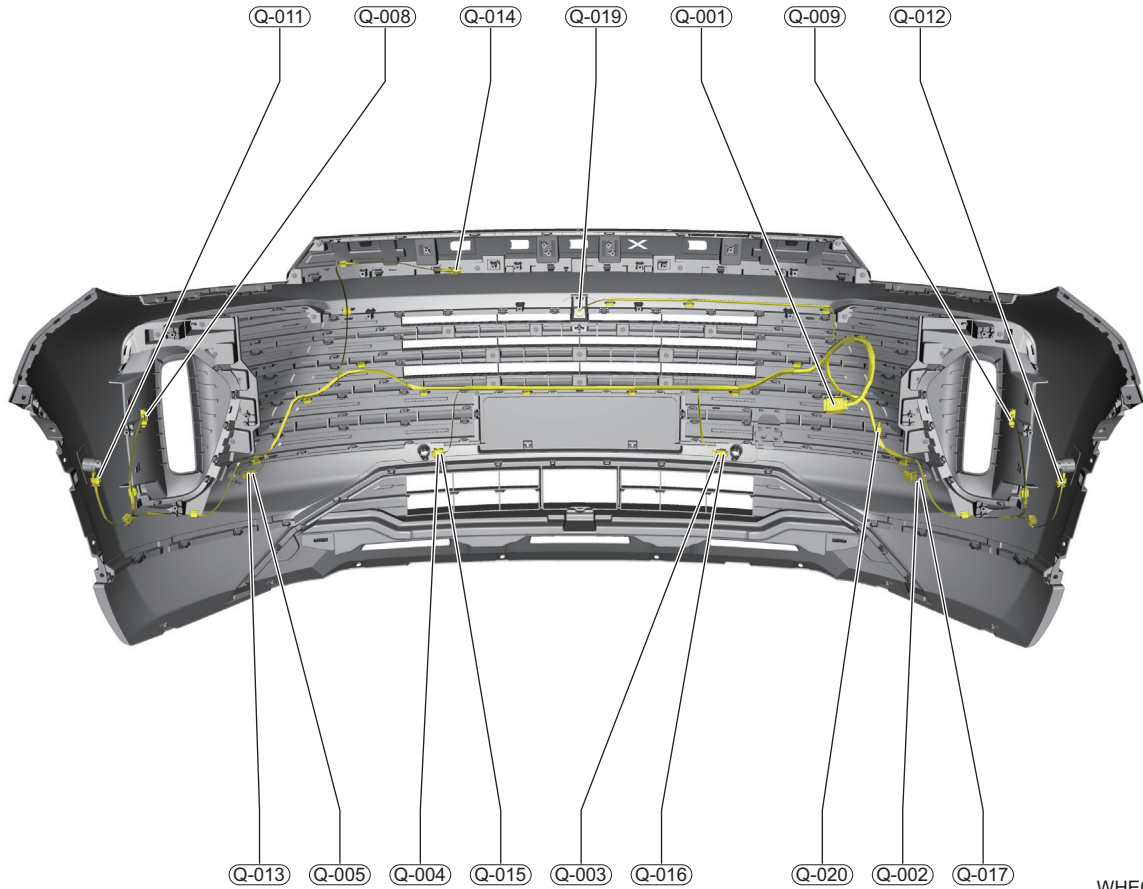
Connector No.	Connector Color/Pin	Connector Name
E-040	B/2	Charcoal Canister Wire Harness to Interior Wire Harness
E-041	B/2	Canister vent valve

Charcoal canister wire harness connector list



EPU028001

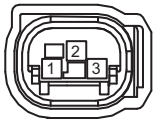
Front Bumper Wire Harness



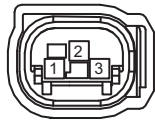
WHE007001

Connector No.	Connector Color/Pin	Connector Name
Q-001	B/26	Front Bumper Wire Harness to Interior Wire Harness
Q-002	B/3	Right Parking Radar Sensor
Q-003	B/3	Right Center Parking Radar Sensor
Q-004	B/3	Left Center Parking Radar Sensor
Q-005	B/3	Left Parking Radar Sensor
Q-008	B/2	Left Front Fog Light
Q-009	B/2	Right Front Fog Light
Q-011	B/3	Front Left Side Parking Assist Sensor
Q-012	B/3	Front Right Side Parking Assist Sensor
Q-013	B/3	Front Left Parking Assist Sensor
Q-014	W/3	Marker Light
Q-015	B/3	Left Center Parking Assist Sensor
Q-016	B/3	Right Center Parking Assist Sensor
Q-017	B/3	Front Right Parking Assist Sensor
Q-019	-	Front Camera
Q-020	-	Front Bumper Wire Harness to Interior Wire Harness (Panoramic Camera)

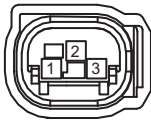
Front bumper wire harness connector list



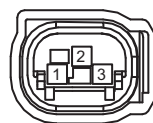
Q-002
B
RIGHT PARKING
RADAR SENSOR



Q-003
B
RIGHT CENTER
PARKING RADAR
SENSOR



Q-004
B
LEFT CENTER
PARKING RADAR
SENSOR



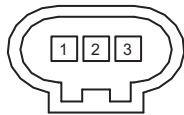
Q-005
B
LEFT PARKING
RADAR SENSOR



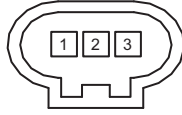
Q-008
B
LEFT FRONT FOG LIGHT



Q-009
B
RIGHT FRONT
FOG LIGHT



Q-011
B
FRONT LEFT SIDE
PARKING ASSIST
SENSOR



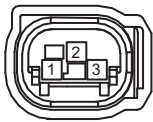
Q-012
B
FRONT RIGHT SIDE
PARKING ASSIST
SENSOR



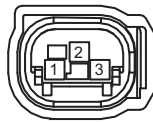
Q-013
B
FRONT LEFT PARKING
ASSIST SENSOR



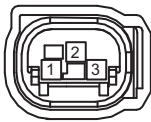
Q-014
W
MARKER LIGHT



Q-015
B
LEFT CENTER
PARKING ASSIST
SENSOR



Q-016
B
RIGHT CENTER
PARKING ASSIST
SENSOR



Q-017
B
FRONT RIGHT
PARKING ASSIST
SENSOR

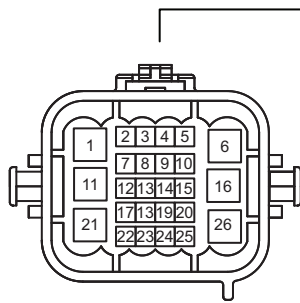


Q-019
FRONT CAMERA

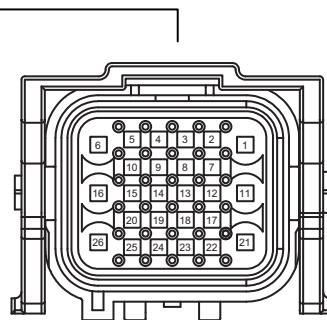


Q-020
FRONT BUMPER WIRE
HARNESS TO
INTERIOR WIRE HARNESS
(PANORAMIC CAMERA)

10



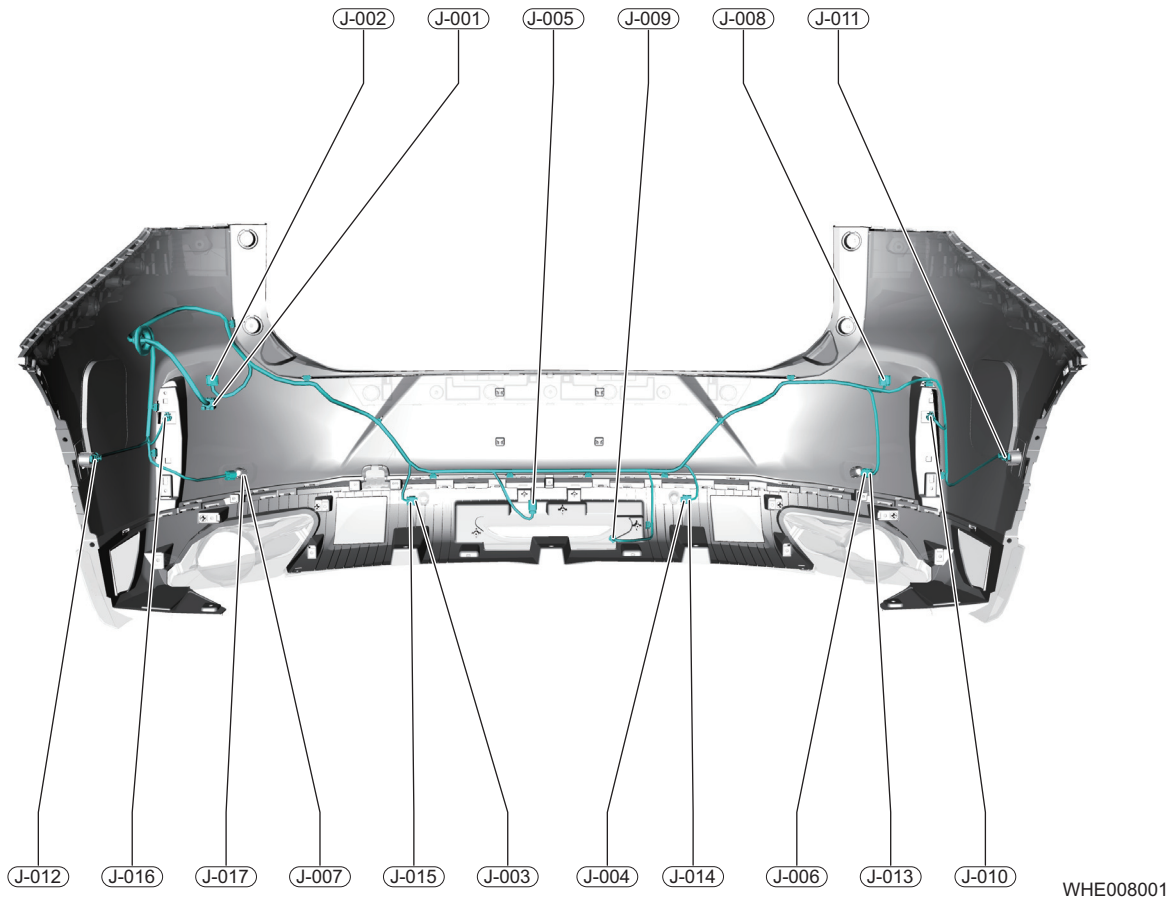
Q-001
B
FRONT BUMPER WIRE HARNESS TO
INTERIOR WIRE HARNESS



B-088
B
INTERIOR WIRE HARNESS TO
FRONT BUMPER WIRE HARNESS

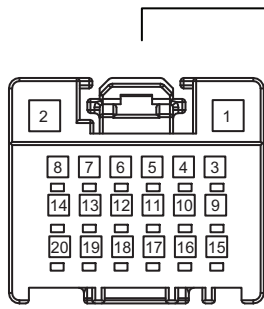
EPU006001

Rear bumper wire harness

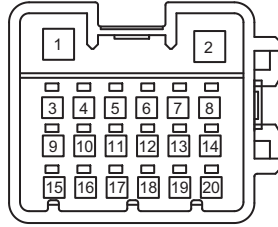


Connector No.	Connector Color/Pin	Connector Name
J-001	W/20	Interior Wire Harness to Rear Bumper Wire Harness
J-002	W/10	Right Blind Spot Monitoring
J-003	B/3	Right Center Reverse Radar Sensor
J-004	B/3	Left Center Reverse Radar Sensor
J-005	Gr/4	PEPS Antenna (Rear Bumper)
J-006	B/3	Left Side Reverse Radar Sensor
J-007	B/3	Right Side Reverse Radar Sensor
J-008	W/10	Left Blind Spot Monitoring
J-009	B/2	Rear Left Fog Light
J-010	B/2	Left Back-up Light
J-011	B/3	Left Rear Side Parking Assist Sensor
J-012	B/3	Right Rear Side Parking Assist Sensor
J-013	B/3	Left Rear Parking Assist Sensor
J-014	B/3	Left Rear Center Parking Assist Sensor
J-015	B/3	Right Rear Center Parking Assist Sensor
J-016	B/2	Right Back-up Light
J-017	B/3	Right Rear Parking Assist Sensor

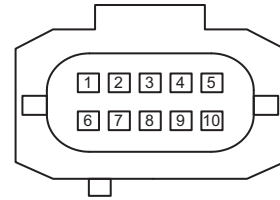
Rear bumper wire harness connector list



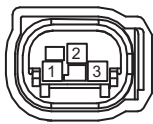
J-001
W
INTERIOR WIRE HARNESS TO REAR BUMPER WIRE HARNESS



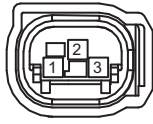
B-095
B
INTERIOR WIRE HARNESS TO REAR BUMPER WIRE HARNESS



J-002
W
RIGHT BLIND SPOT MONITORING



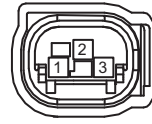
J-003
B
RIGHT CENTER REVERSE RADAR SENSOR



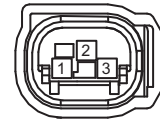
J-004
B
LEFT CENTER REVERSE RADAR SENSOR



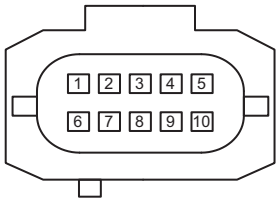
J-005
GR
PEPS ANTENNA (REAR BUMPER)



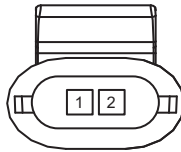
J-006
B
LEFT SIDE REVERSE RADAR SENSOR



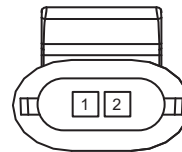
J-007
B
RIGHT SIDE REVERSE RADAR SENSOR



J-008
W
LEFT BLIND SPOT MONITORING



J-009
B
REAR FOG LIGHT



J-010
B
LEFT BACK-UP LIGHT

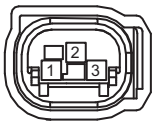


J-011
B
LEFT REAR SIDE PARKING ASSIST SENSOR

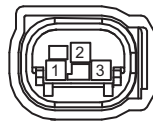
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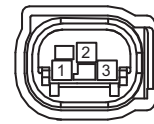
J-012
B
RIGHT REAR SIDE PARKING ASSIST SENSOR



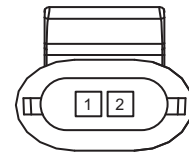
J-013
B
LEFT REAR PARKING ASSIST SENSOR



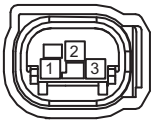
J-014
B
LEFT REAR CENTER PARKING ASSIST SENSOR



J-015
B
RIGHT REAR CENTER PARKING ASSIST SENSOR



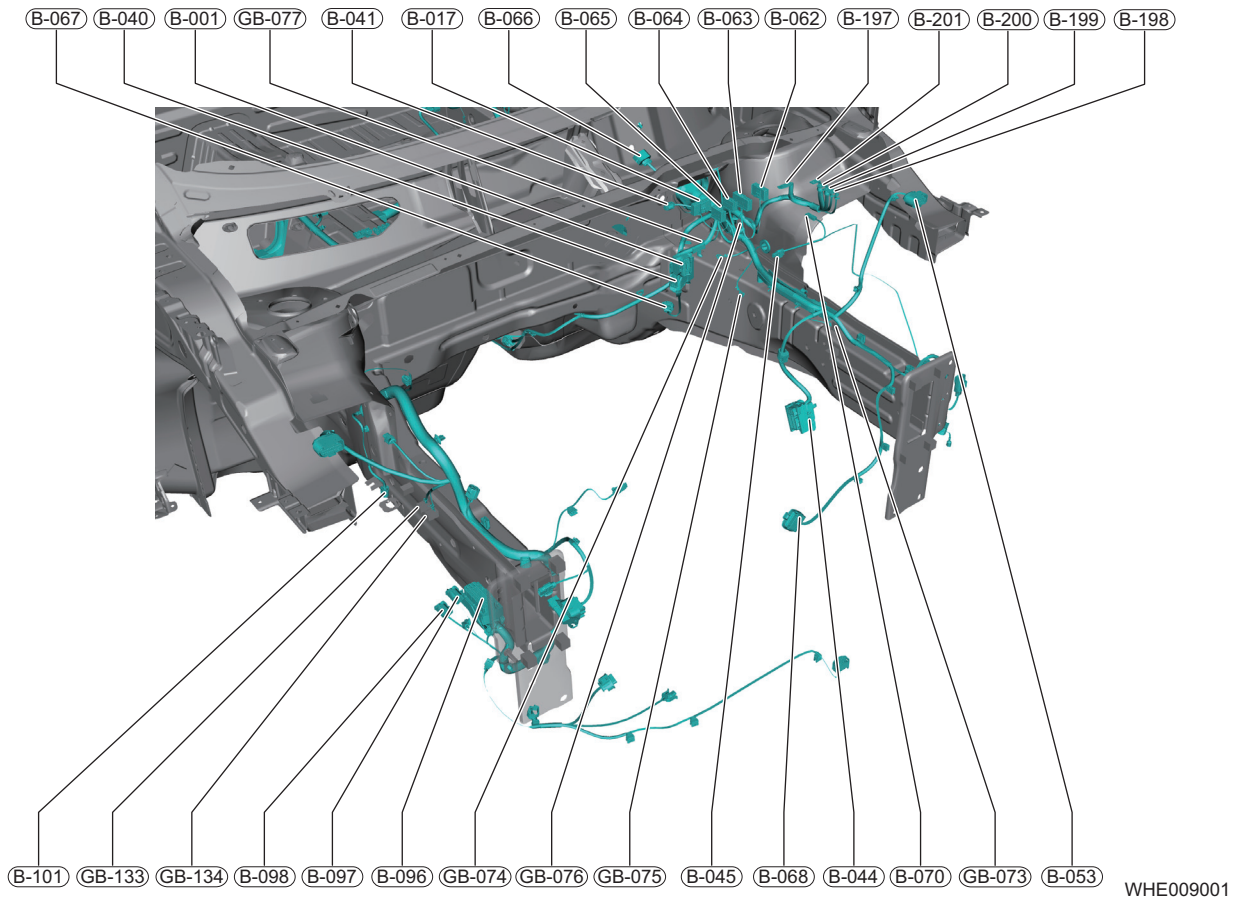
J-016
B
RIGHT BACK-UP LIGHT



J-017
B
RIGHT REAR PARKING ASSIST SENSOR

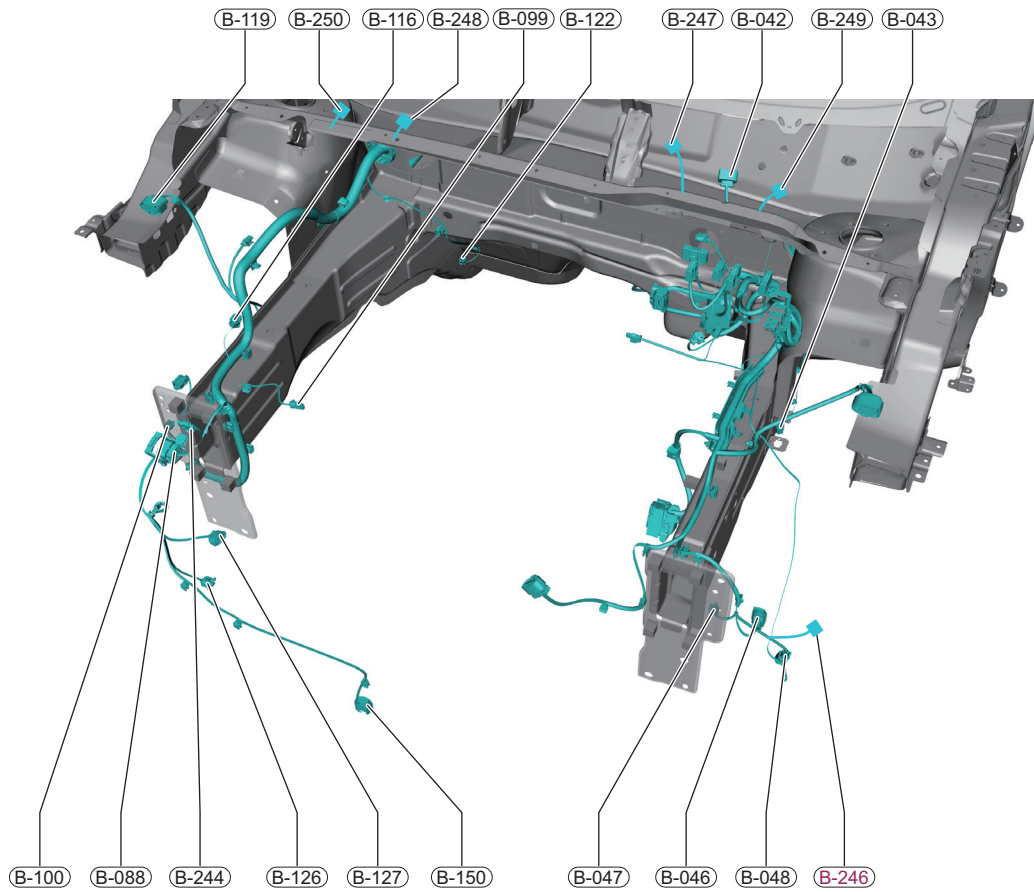
EPU007001

Interior wire harness



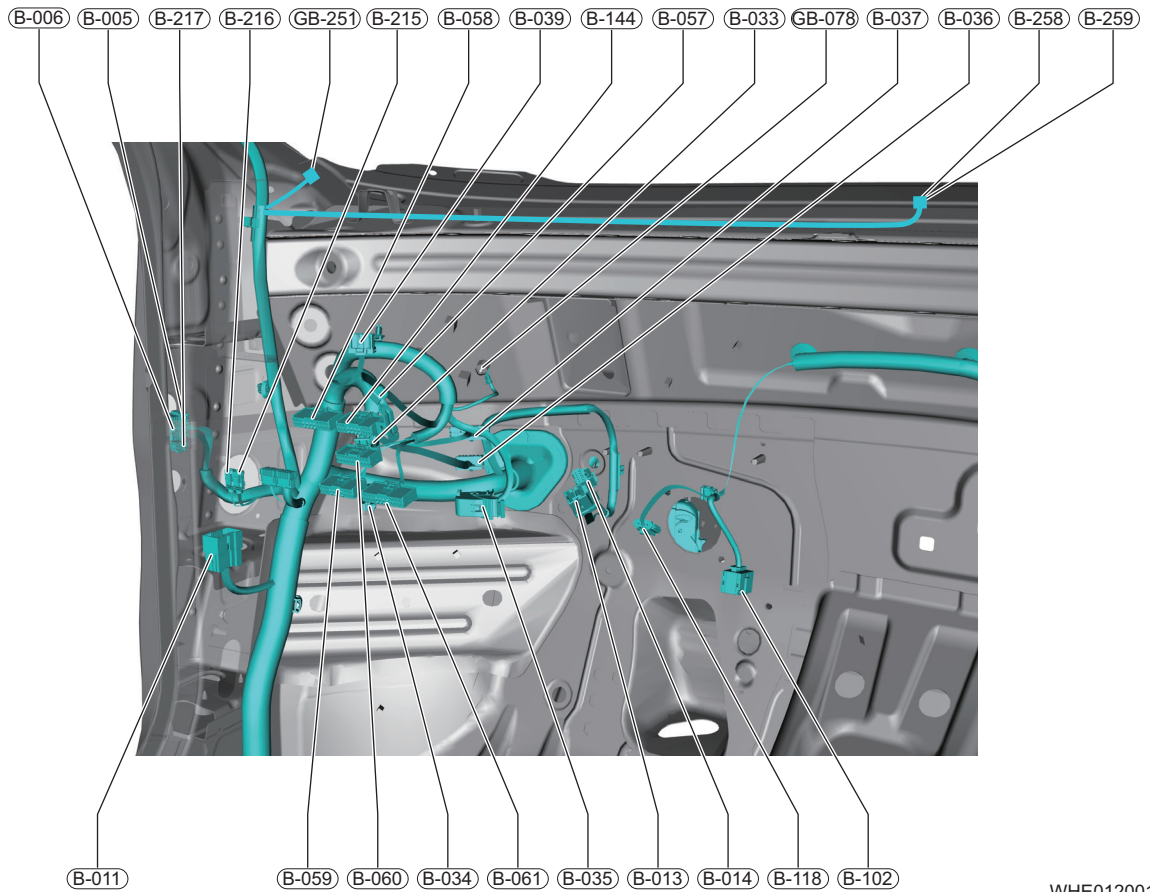
Connector No.	Connector Color/Pin	Connector Name
B-001	B/30	Interior Wire Harness to Engine Wire Harness
B-017	B/24	Airbag Controller-B
B-040	B/46	ESC
B-041	B/2	Brake Fluid Level Sensor
B-044	B/58	TCU-A
B-045	W/2	Battery Sensor
B-053	B/14	Left Headlight
B-062	W/14	Engine Compartment Fuse Box-1
B-063	W/18	Engine Compartment Fuse Box-2
B-064	W/16	Engine Compartment Fuse Box-3
B-065	W/10	Engine Compartment Fuse Box-4
B-066	W/16	Engine Compartment Fuse Box-5
B-067	B/3	Brake Vacuum Sensor
B-068	B/3	Cooling Fan
B-070	B/1	Battery Sensor Power Source
GB-073	/1	Ground

Connector No.	Connector Color/Pin	Connector Name
GB-074	/1	Ground
GB-075	/1	Ground
GB-076	/1	Ground
GB-077	/1	Ground
B-096	B/94	ECU-K
B-097	GR/2	High Pitched Horn
B-098	GR/2	Low Pitched Horn
B-101	B/2	Front Right Wheel Speed Sensor
GB-133	/1	Ground
GB-134	/1	Ground
B-197	/1	Engine Compartment Fuse Box Power Source
B-198	/1	ESC Positive
B-199	/1	EPS Positive
B-200	/1	Instrument Panel Fuse Box Positive
B-201	/1	Engine Compartment Fuse Box Positive



WHE010001

Connector No.	Connector Color/Pin	Connector Name
B-042	B/4	Front Wiper Motor
B-043	B/2	Front Left Wheel Speed Sensor
B-047	Y/2	Left Front Collision Sensor
B-048	Gr/2	Washer Motor
B-088	B/26	Interior Wire Harness to Front Bumper Wire Harness
B-099	B/2	Hood Lock Switch
B-100	B/2	Front Right Collision Sensor
B-116	B/3	A/C Pressure Switch
B-119	B/14	Right Headlight
B-122	B/3	Low Fuel Pressure Sensor
B-126	B/2	Outside Temperature Sensor
B-127	B/4	Boost Pressure Temperature Sensor
B-150	B/8	Front Radar Module
B-244	/1	Interior Wire Harness to Front Bumper Wire Harness (Panoramic Camera)
B-246	B/2	Washer Level Sensor
B-247	B/1	Front Heating Windshield 1
B-248	B/1	Front Heating Windshield 2
B-249	B/2	Heating Nozzle L
B-250	B/2	Heating Nozzle R

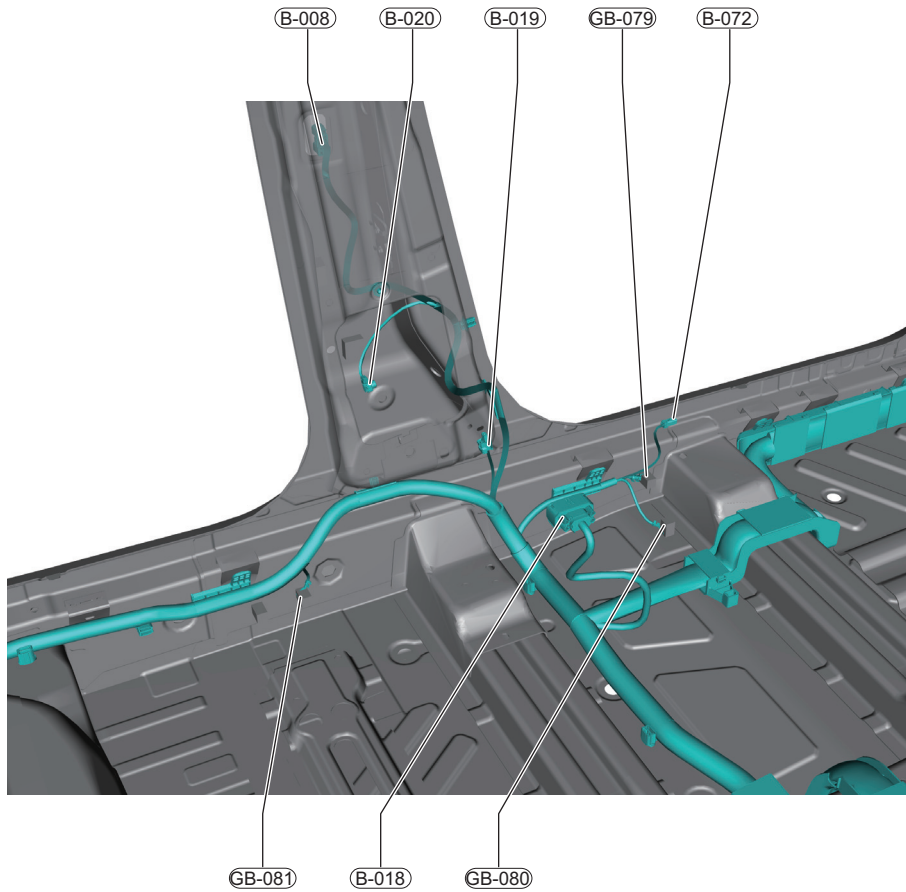


WHE012001

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Connector No.	Connector Color/Pin	Connector Name
B-005	W/20	Interior Wire Harness to Front Left Door Wire Harness 1
B-006	W/26	Interior Wire Harness to Front Left Door Wire Harness 2
B-011	W/24	Interior Wire Harness to Instrument Panel Wire Harness 3
B-013	B/2	EPS-B
B-014	B/10	EPS-A
B-033	B/52	Body Control Module – A
B-034	W/24	Body Control Module – B
B-035	B/14	Body Control Module-C
B-036	W/12	Body Control Module-D
B-037	W/20	Body Control Module-E
B-039	B/20	Central Gateway
B-057	/1	Instrument Panel Fuse Box Power Source
B-058	W/22	Instrument Panel Fuse Box-1
B-059	W/16	Instrument Panel Fuse Box-2

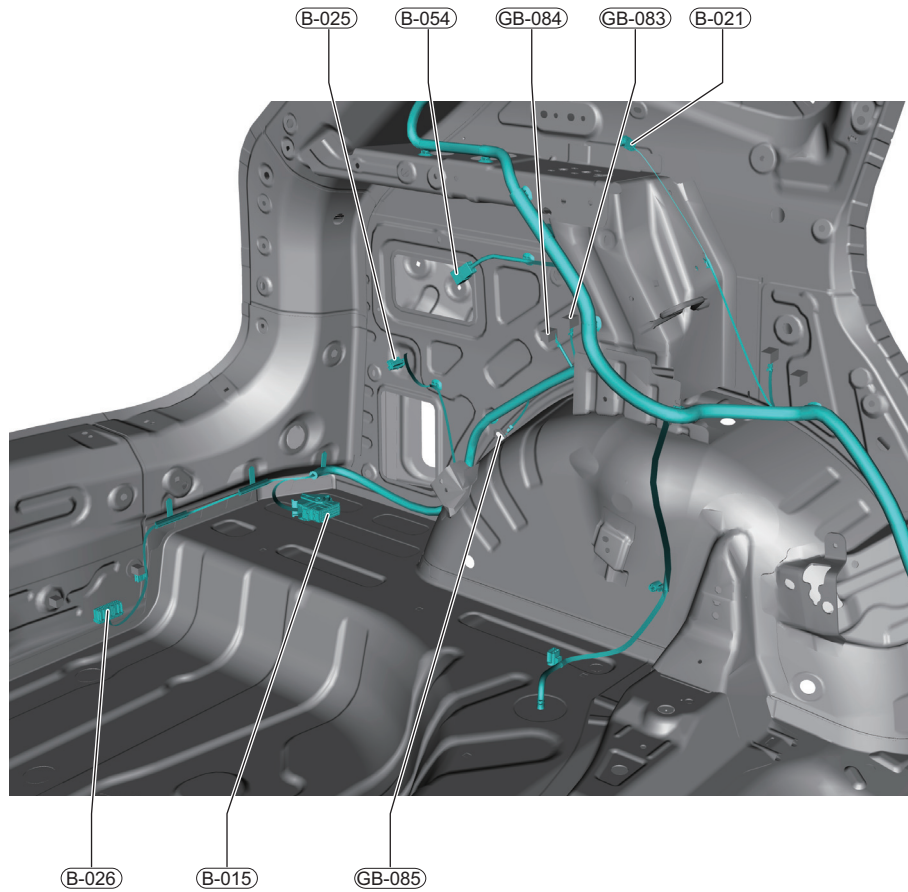
Connector No.	Connector Color/Pin	Connector Name
B-060	W/18	Instrument Panel Fuse Box-3
B-061	W/20	Instrument Panel Fuse Box-4
GB-078	/1	Ground
B-102	B/6	Electronic Accelerator Pedal
B-118	W/4	Brake Switch
B-144	W/16	Engine Compartment Fuse Box-1
B-215	/1	Interior Wire Harness to Instrument Panel Wire Harness (Driving Recorder)
B-216	/1	Interior Wire Harness to Instrument Panel Wire Harness (Face Camera)
B-217	/1	Interior Wire Harness to Front Left Door Wire Harness (Panoramic Camera)
GB-251	/1	Front Heating Windshield 1 GND
B-258	B/1	Front Heating Windshield 2 (without sunroof)
B-259	B/1	Front Heating Windshield 2 (with sunroof)



WHE013001

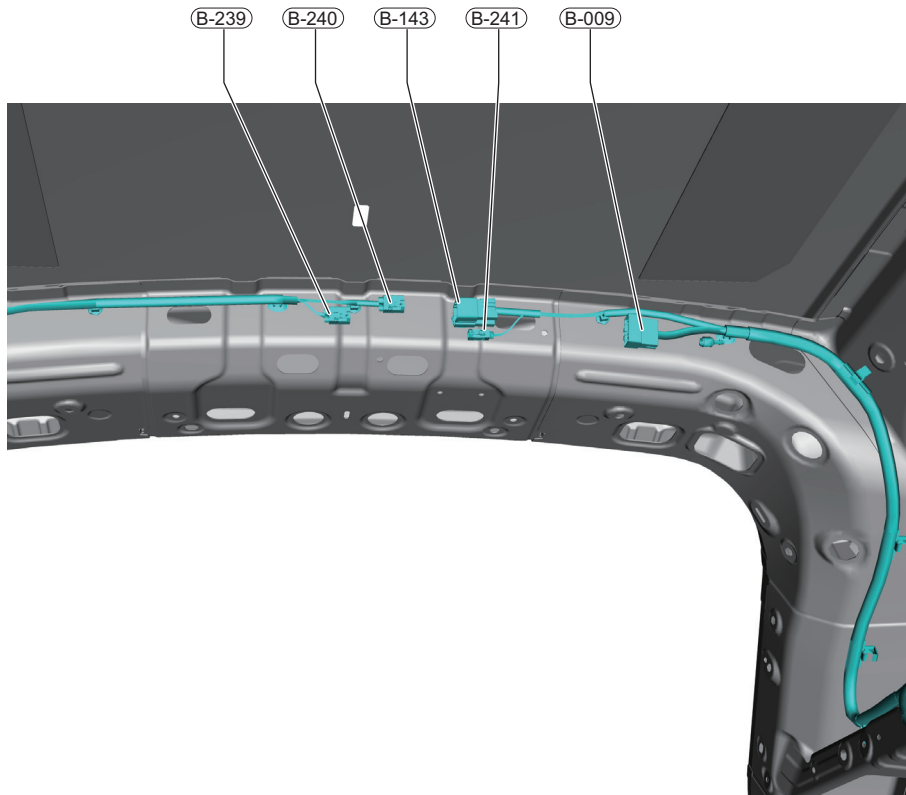
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Connector No.	Connector Color/Pin	Connector Name
B-008	W/16	Interior Wire Harness to Rear Left Door Wire Harness
B-018	W/20	Interior Wire Harness to Driver Seat Wire Harness
B-019	Y/2	Left Side Collision Sensor
B-020	B/2	Driver Seat Belt Pretensioner
B-072	W/2	Left Rocker Light
GB-080	/1	Ground
GB-081	/1	Ground
GB-079	/1	Ground



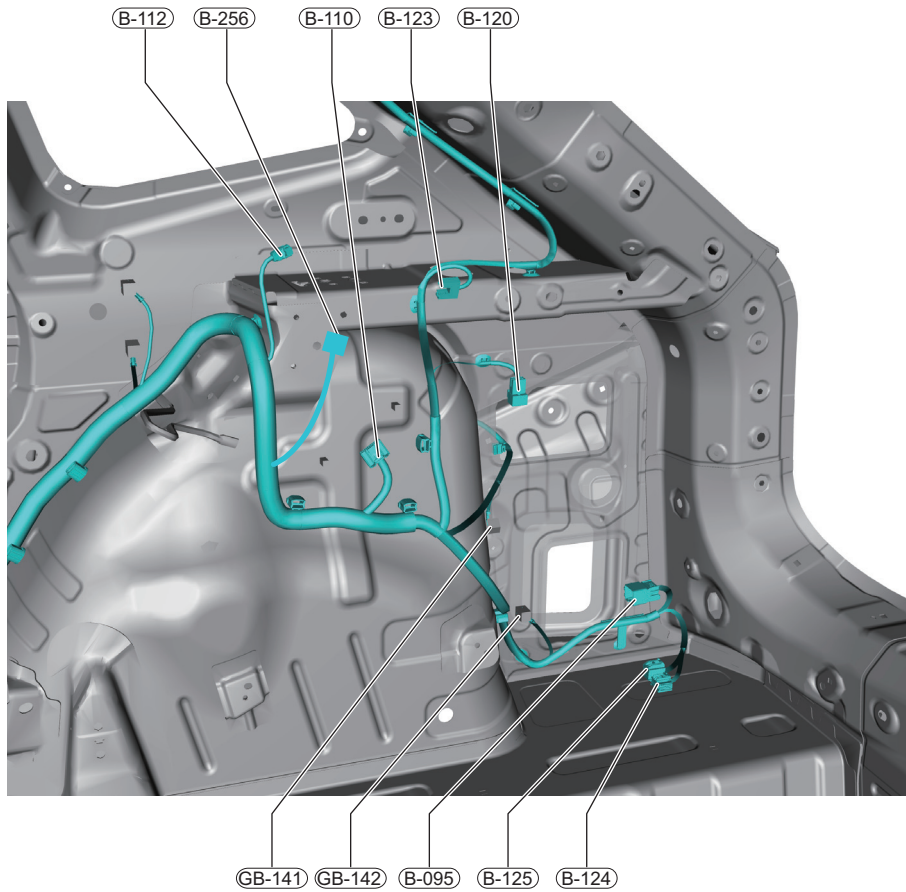
WHE014001

Connector No.	Connector Color/Pin	Connector Name
B-015	W/64	Fuel Pump Module
B-021	B/2	Rear Left Seat Belt Pretensioner
B-025	B/3	12V Backup Power Source
B-026	W/26	4WD Coupler Module
B-054	W/6	Rear Left Combination Light
GB-083	/1	Ground
GB-084	/1	Ground
GB-085	/1	Ground



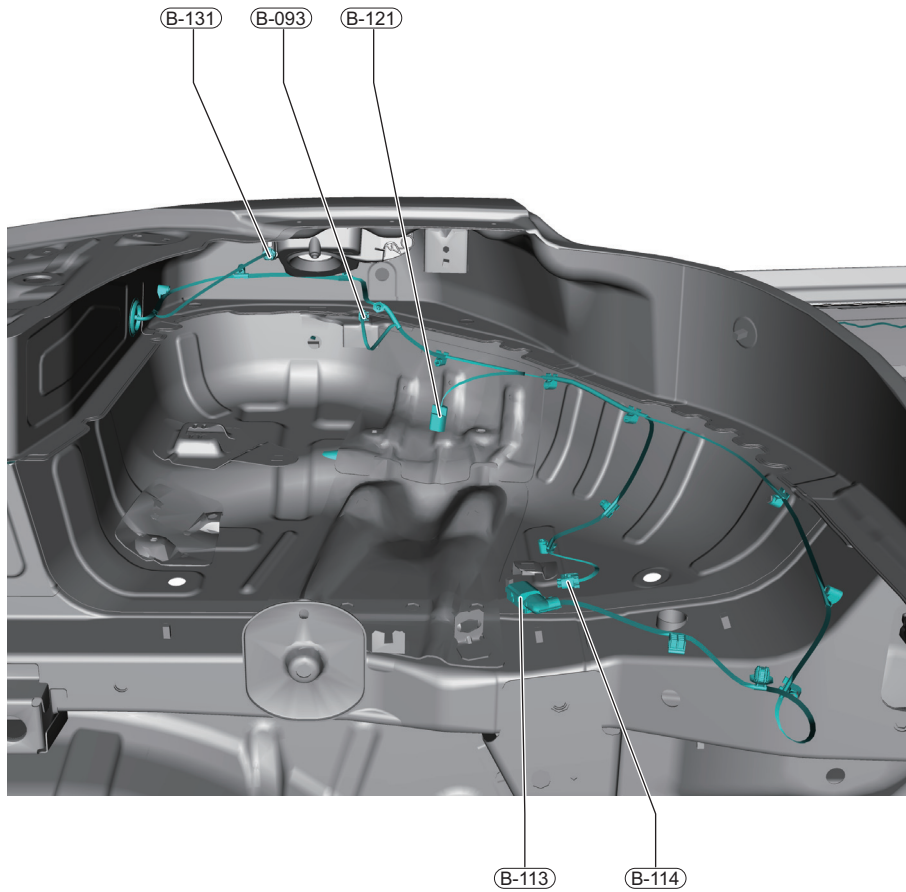
WHE015001

Connector No.	Connector Color/Pin	Connector Name
B-009	W/14	Interior Wire Harness to Back Door Wire Harness 1
B-143	B/20	Interior Wire Harness to Back Door Wire Harness 2
B-239	/1	Radio Antenna/GPS Antenna
B-240	/1	4G Antenna
B-241	/1	Interior Wire Harness to Back Door Wire Harness (Panoramic Camera)



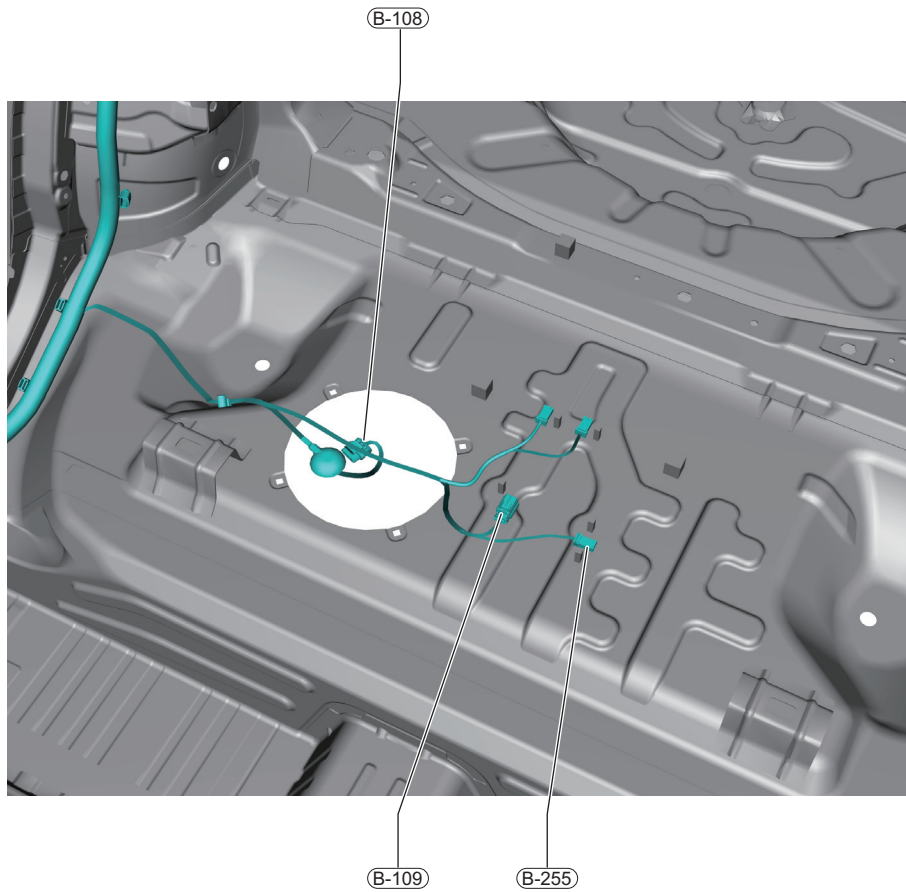
WHE016001

Connector No.	Connector Color/Pin	Connector Name
B-095	B/20	Interior Wire Harness to Rear Bumper Wire Harness
B-110	Y/24	Parking Radar Controller
B-112	B/2	Rear Right Seat Belt Pretensioner
B-120	W/6	Rear Right Combination Light
B-123	B/2	Luggage Compartment Light
B-124	B/16	Back Door Controller-A
B-125	B/6	Back Door Controller-B
GB-141	/1	Ground
GB-142	/1	Ground
B-256	B/26	Parking Distance Control



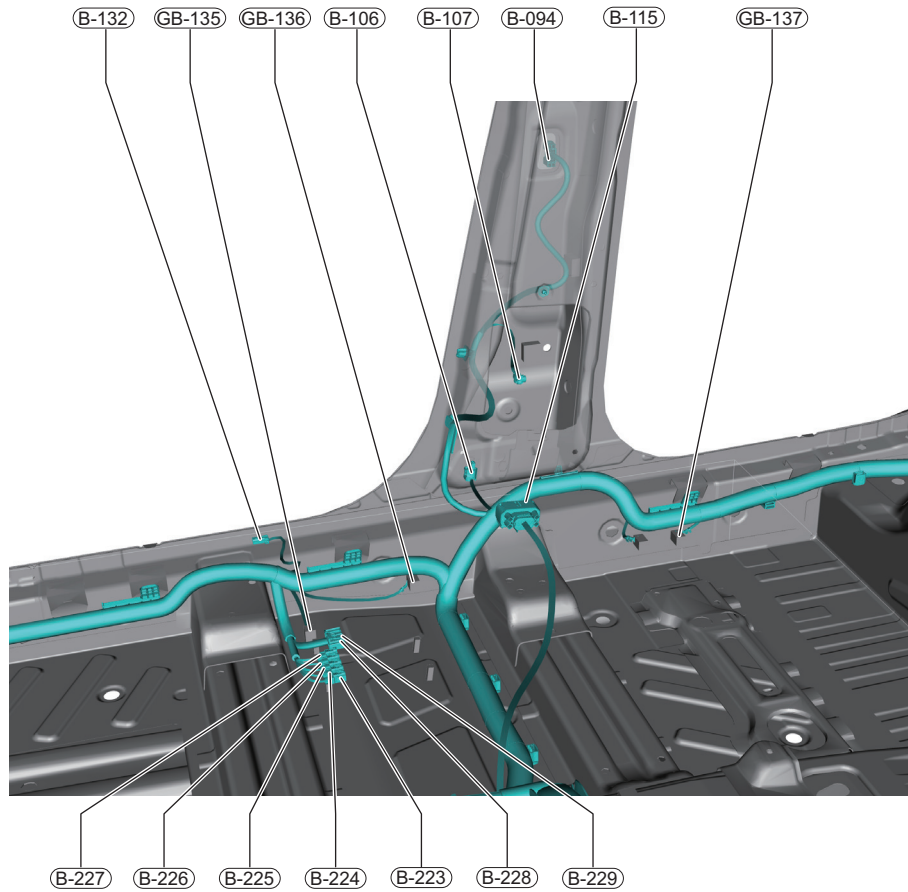
WHE017001

Connector No.	Connector Color/Pin	Connector Name
B-093	B/2	Interior Wire Harness to Charcoal Canister Wire Harness
B-113	B/2	Rear Right Wheel Speed Sensor
B-114	W/2	Right EPB Motor
B-121	B/3	Fuel Tank Pressure Sensor
B-131	B/2	Electric Tank Cap



WHE018001

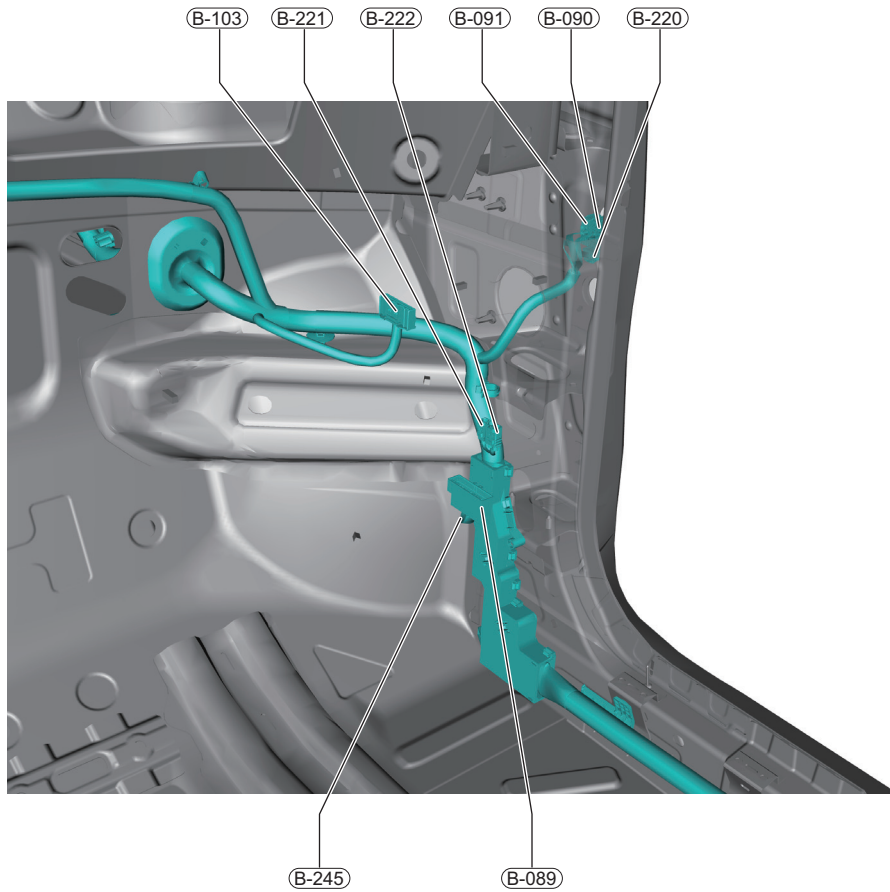
Connector No.	Connector Color/Pin	Connector Name
B-108	Y/4	Fuel Pump
B-109	Gr/4	Low Frequency Antenna -2
B-255	B/8	Rear Seat Heating Interface



WHE019001

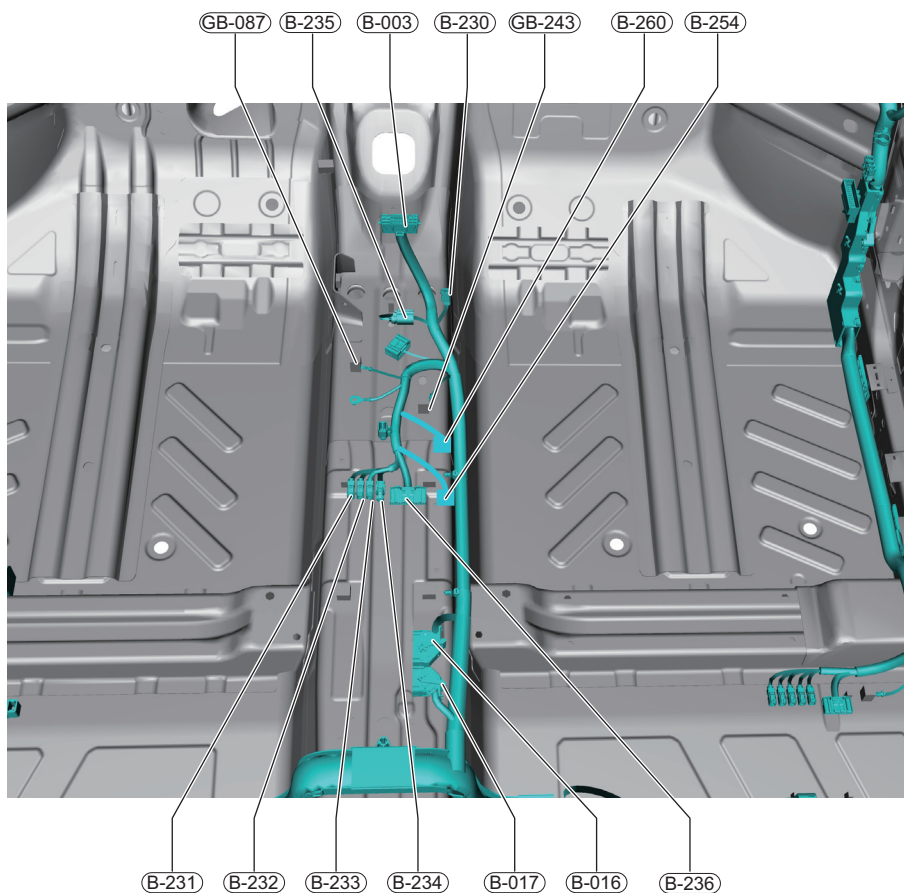
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Connector No.	Connector Color/Pin	Connector Name
B-094	W/16	Interior Wire Harness to Rear Right Door Wire Harness
B-106	Y/2	Right Side Collision Sensor
B-107	B/2	Front Passenger Side Seat Belt Pretensioner
B-115	W/20	Interior Wire Harness to Front Passenger Seat Wire Harness
B-132	W/2	Right Rocker Light
GB-135	/1	Ground
GB-136	/1	Ground
GB-137	/1	Ground
B-223	/1	Panoramic Controller-C (Rear Camera)
B-224	/1	Panoramic Controller-D (Right Camera)
B-225	/1	Panoramic Controller-E (Left Camera)
B-226	/1	Panoramic Controller-F (Front Camera)
B-227	/1	Panoramic Controller-B (to Head Unit)
B-228	W/8	Panoramic Controller (without APA) - A
B-229	W/32	Panoramic Controller (with APA) - A



WHE020001

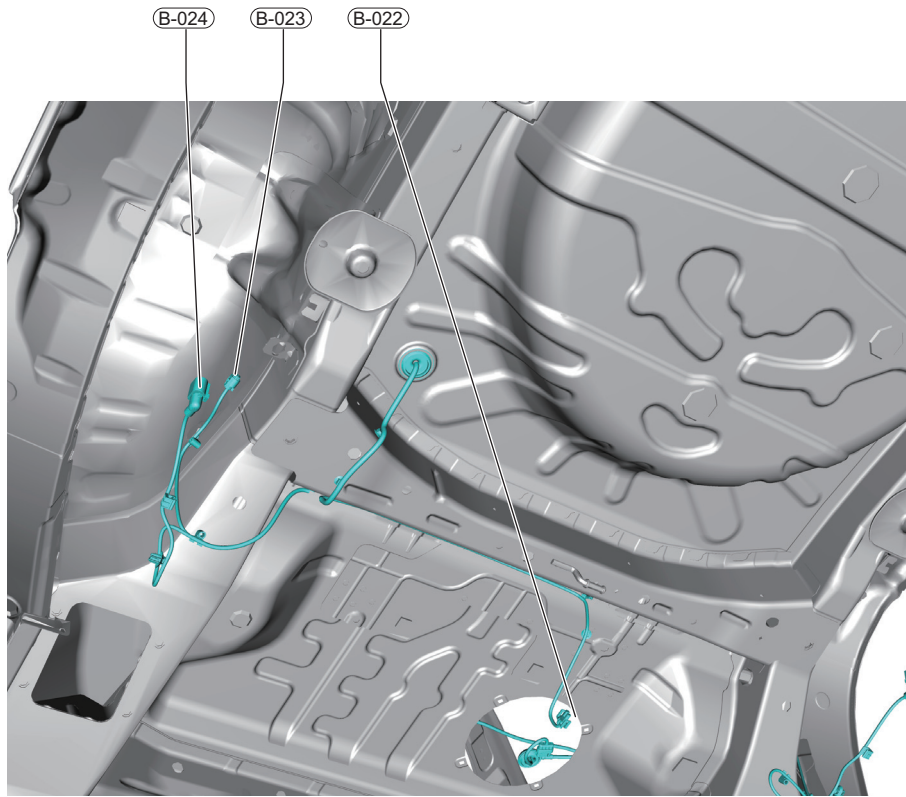
Connector No.	Connector Color/Pin	Connector Name
B-089	W/26	Interior Wire Harness to Instrument Panel Wire Harness
B-090	W/20	Interior Wire Harness to Front Right Door Wire Harness 1
B-091	W/26	Interior Wire Harness to Front Right Door Wire Harness 2
B-103	W/40	Keyless Entry Start Module
B-220	/1	Interior Wire Harness to Front Right Door Wire Harness (Panoramic Camera)
B-221	/1	Interior Wire Harness to Instrument Panel Wire Harness (Radio Antenna)
B-222	/1	Interior Wire Harness to Instrument Panel Wire Harness (Panoramic Controller)
B-245	B/40	Interior Wire Harness to Instrument Panel Wire Harness



WHE021001

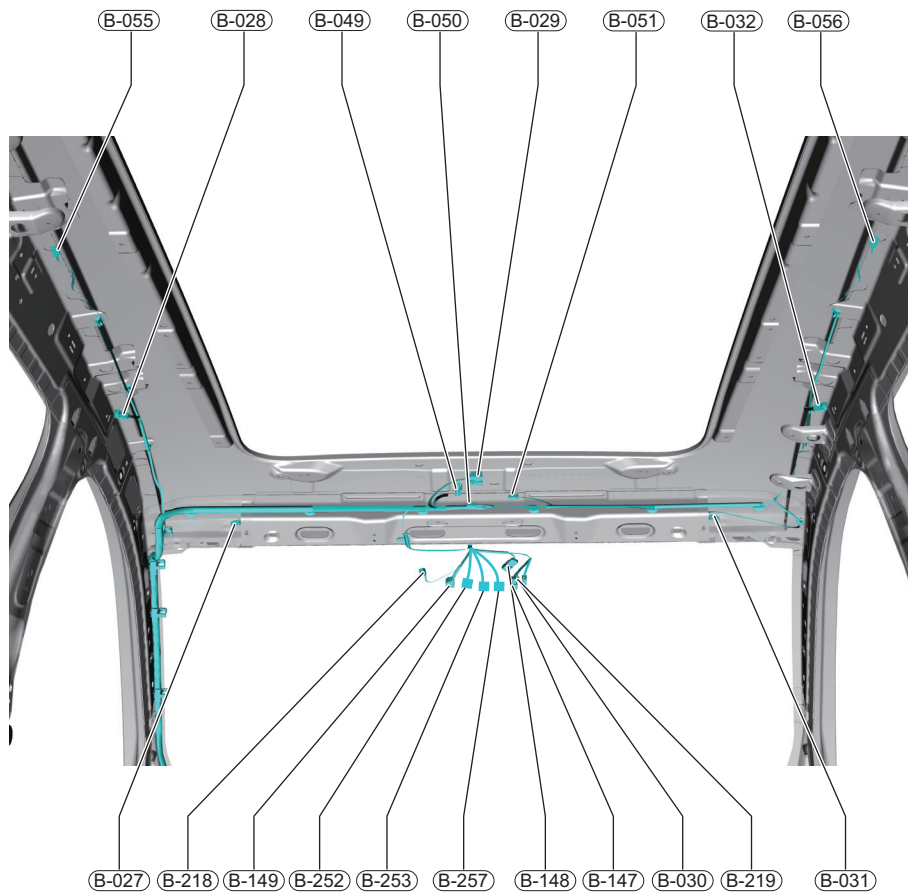
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Connector No.	Connector Color/Pin	Connector Name
B-003	W/40	Interior Wire Harness to Instrument Panel Wire Harness 2
B-016	B/32	Airbag Controller-A
B-017	B/24	Airbag Controller-B
GB-087	/1	Ground
B-230	/1	Interior Wire Harness to Instrument Panel Wire Harness (DMC)
B-231	/1	Remote Communication Gateway (4G Antenna 1) – B
B-232	/1	Remote Communication Gateway (GPS Antenna) – C
B-233	/1	Remote Communication Gateway (4G Antenna 2) – D
B-234	/1	Remote Communication Gateway (HSB) – E
B-235	B/2	Low Frequency Antenna – 1
B-236	W/40	Remote Communication Gateway – A
GB-243	/1	Ground
B-254	B/10	Rear Seat Heating Switch
B-260	W/40	GLONASS



WHE022001

Connector No.	Connector Color/Pin	Connector Name
B-022	B/2	4WD Coupler
B-023	W/2	Left EPB Motor
B-024	B/2	Rear Left Wheel Speed Sensor

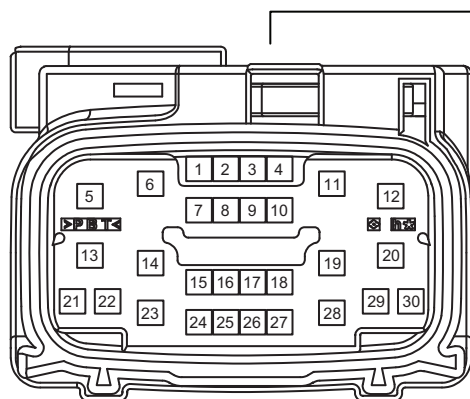


WHE023001

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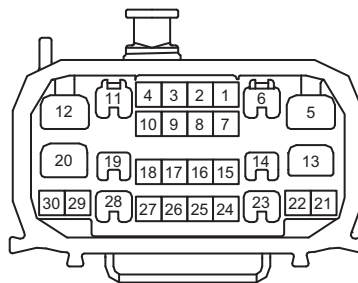
Connector No.	Connector Color/Pin	Connector Name
B-027	W/2	Driver Visor
B-028	Y/2	Left Curtain
B-029	W/14	Sunroof
B-030	B/3	Rain Sensor
B-031	W/2	Front Passenger Visor
B-032	Y/2	Right Curtain
B-049	W/24	Sunroof Switch
B-050	W/2	Right Microphone
B-051	W/2	Left Microphone
B-055	L/3	Right Map Light
B-056	L/3	Left Map Light
B-147	W/8	Driving Recorder-A
B-148	W/6	Inside Rear View Mirror
B-149	B/12	Front Camera
B-218	/1	Face Camera
B-219	/1	Driving Recorder-B
B-252	B/2	Microphone LH
B-253	W/10	Roof Console Unit
B-257	W/6	SOW Switch

Interior wire harness connector list



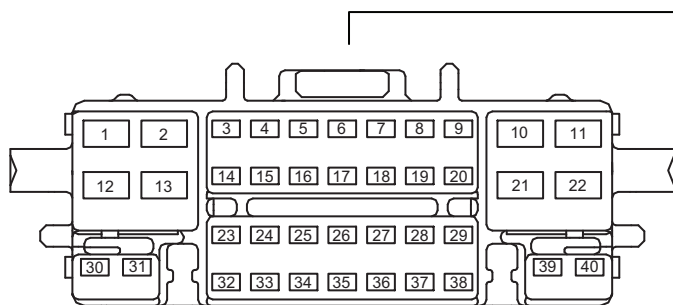
(B-001)
B

INTERIOR WIRE HARNESS TO ENGINE WIRE HARNESS



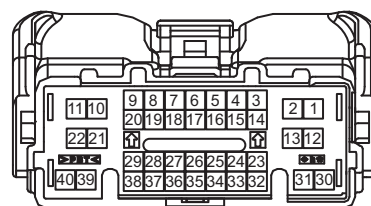
(E-002)
B

ENGINE WIRING HARNESS TO INTERIOR WIRE HARNESS



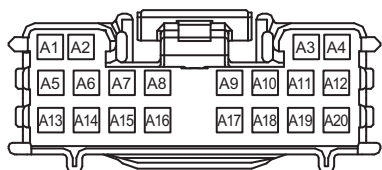
(B-003)
W

INTERIOR WIRE HARNESS TO INSTRUMENT PANEL WIRE HARNESS 2



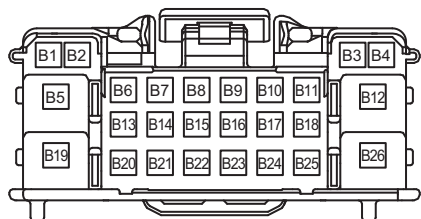
(I-017)
W

INSTRUMENT PANEL WIRE HARNESS TO INTERIOR WIRE HARNESS 2



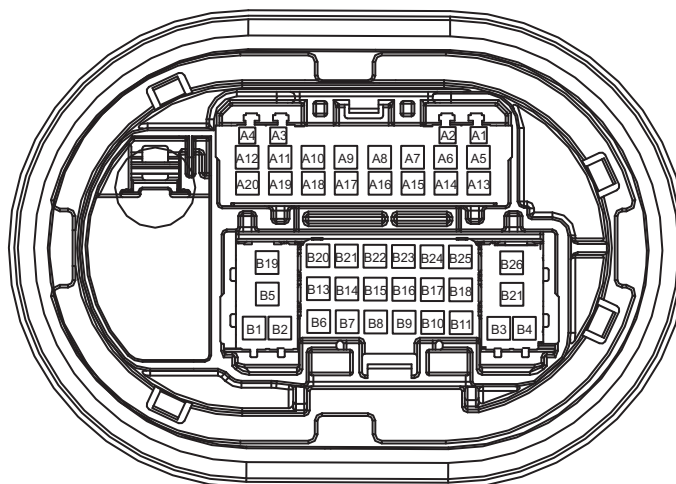
(B-005)
W

INTERIOR WIRE HARNESS TO FRONT LEFT DOOR WIRE HARNESS 1



(B-006)
W

INTERIOR WIRE HARNESS TO FRONT LEFT DOOR WIRE HARNESS 2

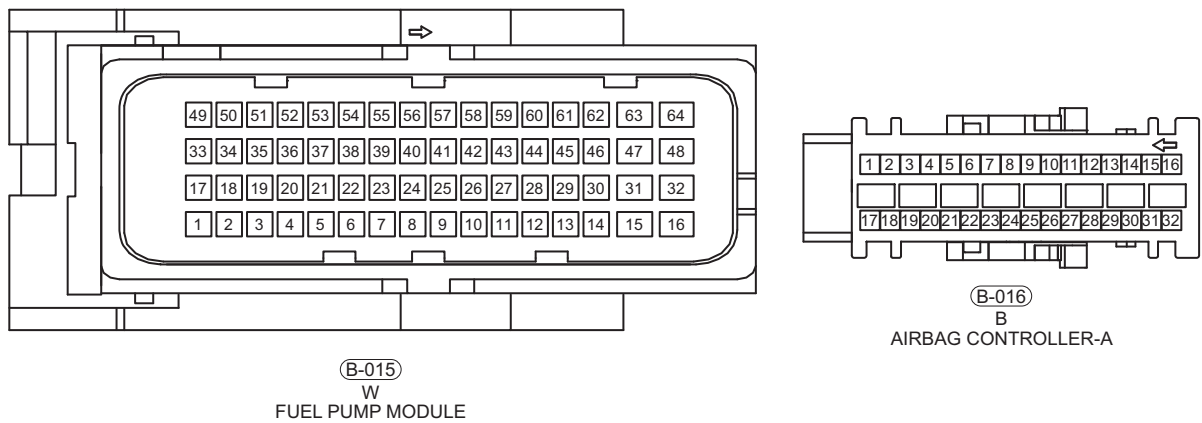
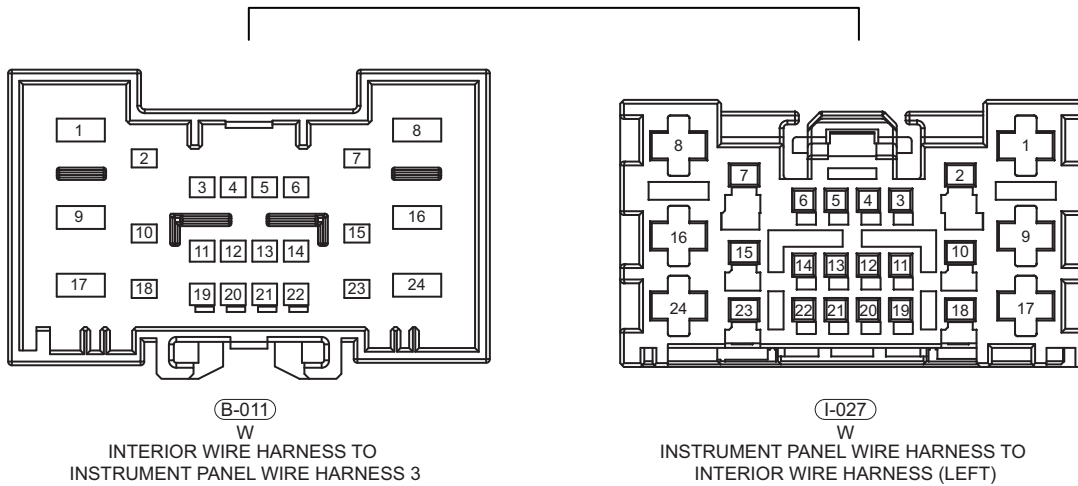
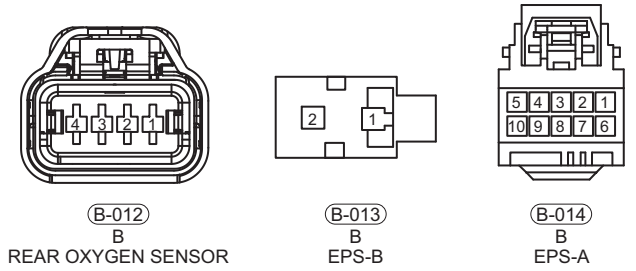
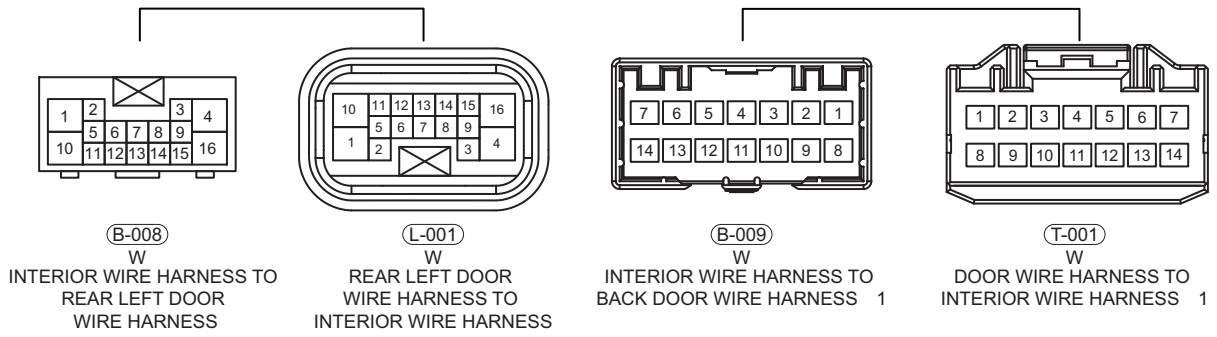


(F-001)
W

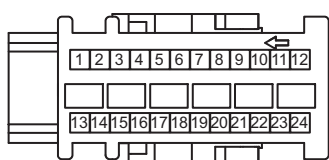
INTERIOR WIRE HARNESS TO FRONT LEFT DOOR WIRE HARNESS

10

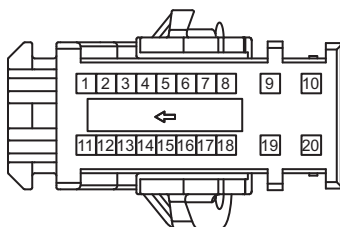
EPU008001



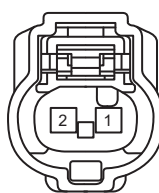
EPU009001



(B-017)
B
AIRBAG CONTROLLER-B



(B-018)
W
INDOOR WIRING HARNESS DOCKING
DRIVER'S SEAT WIRING HARNESS



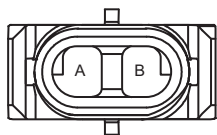
(B-019)
Y
LEFT SIDE
COLLISION SENSOR



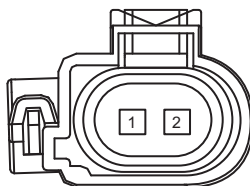
(B-020)
B
DRIVER SEAT BELT
PRETENSIONER



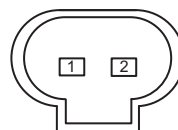
(B-021)
B
REAR LEFT SEAT
BELT PRETENSIONER



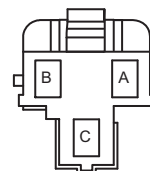
(B-022)
B
4WD COUPLER



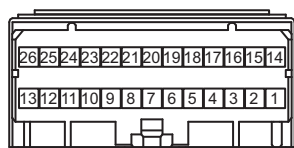
(B-023)
W
LEFT EPB MOTOR



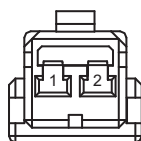
(B-024)
B
REAR LEFT WHEEL
SPEED SENSOR



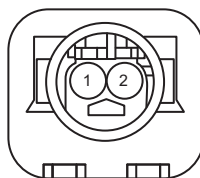
(B-025)
W
12V BACKUP
POWER SOURCE



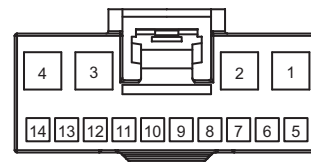
(B-026)
W
4WD COUPLER MODULE



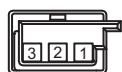
(B-027)
W
DRIVER VISOR



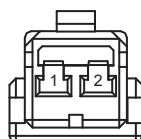
(B-028)
Y
LEFT CURTAIN



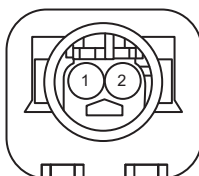
(B-029)
W
SUNROOF WIRE HARNESS INTERFACE



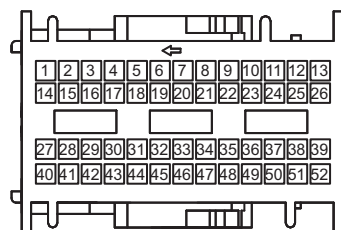
(B-030)
B
RAIN SENSOR



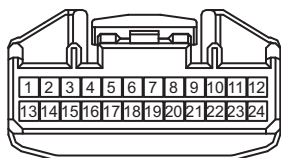
(B-031)
W
FRONT PASSENGER VISOR



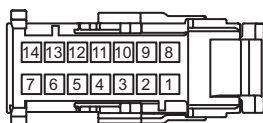
(B-032)
Y
RIGHT CURTAIN



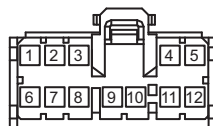
(B-033)
B
BODY CONTROL MODULE-A



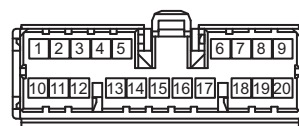
(B-034)
W
BODY CONTROL MODULE-B



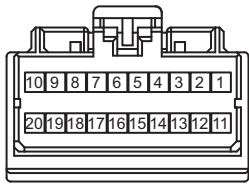
(B-035)
B
BODY CONTROL MODULE-C



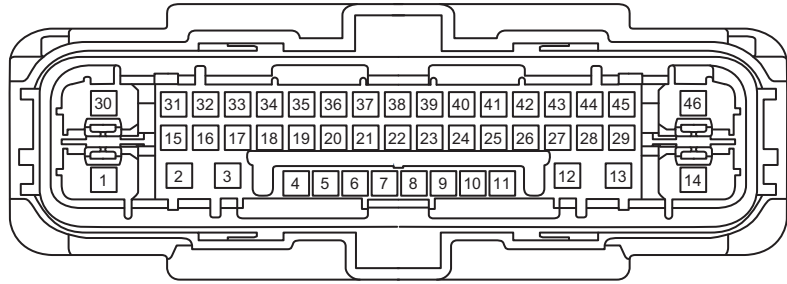
(B-036)
W
BODY CONTROL MODULE-D



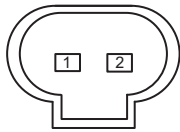
(B-037)
W
BODY CONTROL
MODULE-E EPU010001



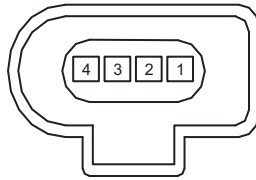
(B-039)
B
CENTRAL GATEWAY



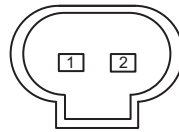
(B-040)
B
ESC



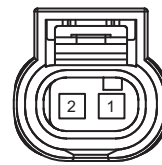
(B-041)
B
BRAKE FLUID
LEVEL SENSOR



(B-042)
B
FRONT WIPER MOTOR



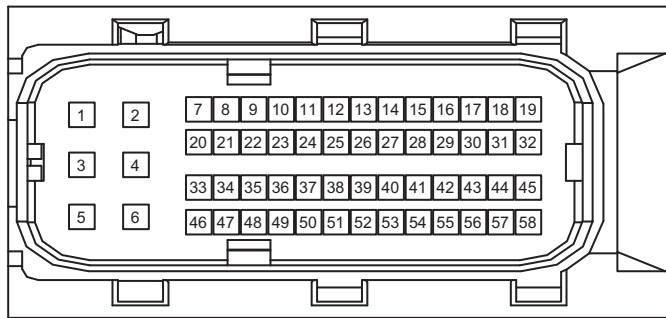
(B-043)
B
FRONT LEFT WHEEL
SPEED SENSOR



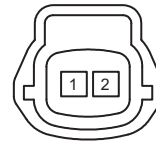
(B-045)
W
BATTERY SENSOR



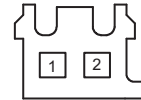
(B-047)
Y
LEFT FRONT
COLLISION SENSOR



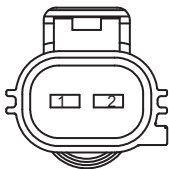
(B-044)
TCU-A
B



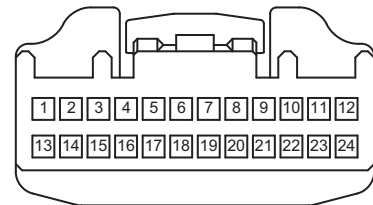
(B-048)
B
WASHER MOTOR



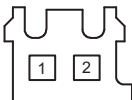
(B-050)
W
RIGHT MICROPHONET



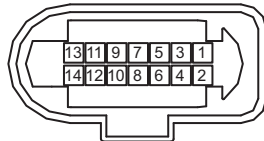
(B-046)
Gr
ELECTRONIC VACUUM PUMP



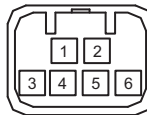
(B-049)
W
SUNROOF MODULE



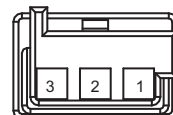
(B-051)
W
LEFT MICROPHONE



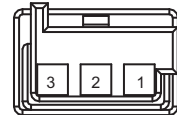
(B-053)
B
LEFT HEADLIGHT



(B-054)
W
REAR LEFT
COMBINATION LIGHT



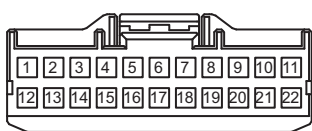
(B-055)
L
RIGHT MAP LIGHT



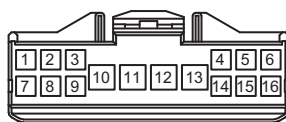
(B-056)
L
LEFT MAP LIGHT



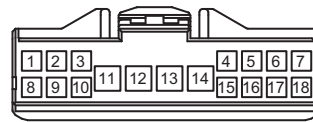
(B-057)
INSTRUMENT
PANEL FUSE
BOX POWER SOURCE



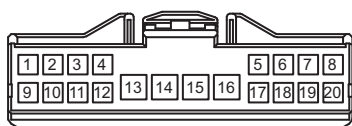
(B-058)
W
INSTRUMENT PANEL FUSE BOX-1



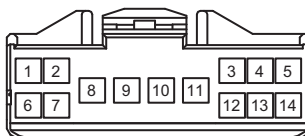
(B-059)
W
INSTRUMENT PANEL FUSE BOX-2



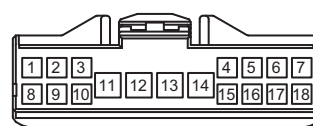
(B-060)
W
INSTRUMENT PANEL FUSE BOX-3



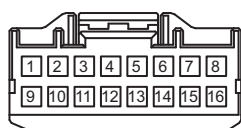
(B-061)
W
INSTRUMENT PANEL FUSE BOX-4



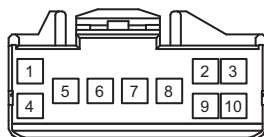
(B-062)
W
FRONT COMPARTMENT FUSE BOX-1



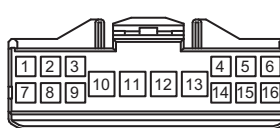
(B-063)
W
FRONT COMPARTMENT FUSE BOX-2



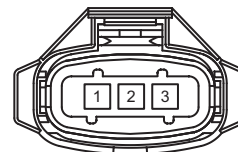
(B-064)
W
FRONT COMPARTMENT FUSE BOX-3



(B-065)
W
FRONT COMPARTMENT FUSE BOX-4



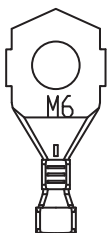
(B-066)
W
FRONT COMPARTMENT FUSE BOX-5



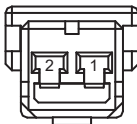
(B-067)
B
BRAKE VACUUM SENSOR



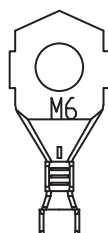
(B-068)
B
COOLING FAN



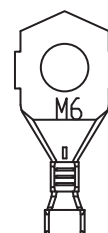
(B-070)
BATTERY SENSOR
POWER SOURCE



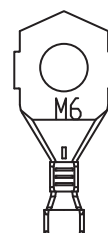
(B-072)
W
LEFT ROCKER LIGHT



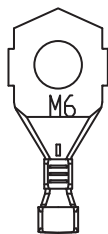
(GB-073)
GROUND
POINT G1.1



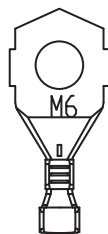
(GB-074)
GROUND
POINT G1.2



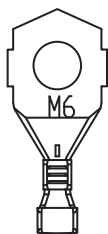
(GB-075)
GROUND
POINT G1.3



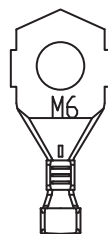
(GB-076)
GROUND
POINT G1.4



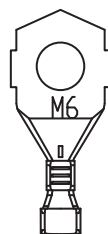
(GB-077)
GROUND
POINT G1.5



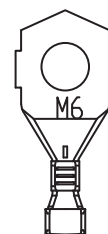
(GB-078)
GROUND
POINT G2.1



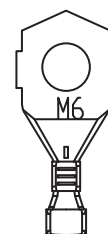
(GB-079)
GROUND
POINT G2.2



(GB-080)
GROUND
POINT G2.4

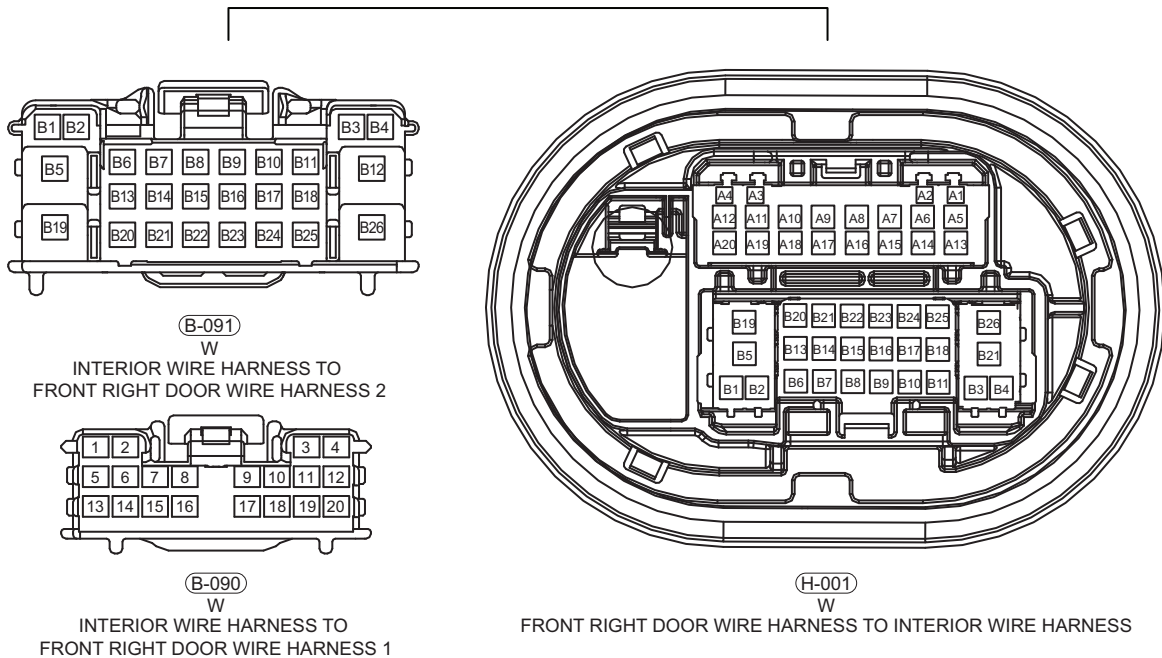
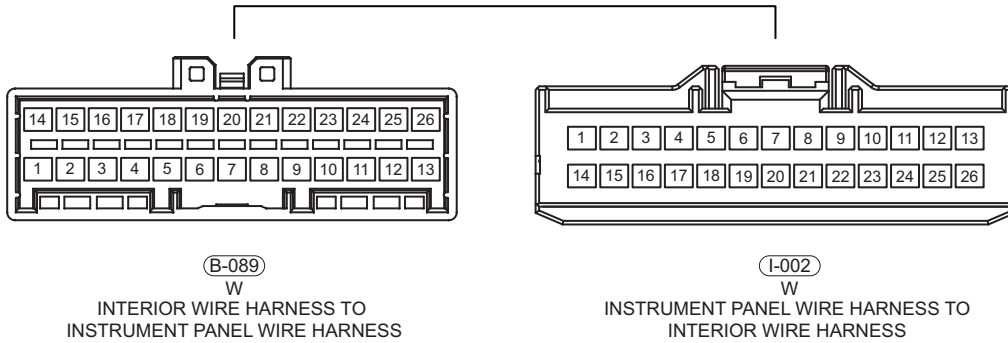
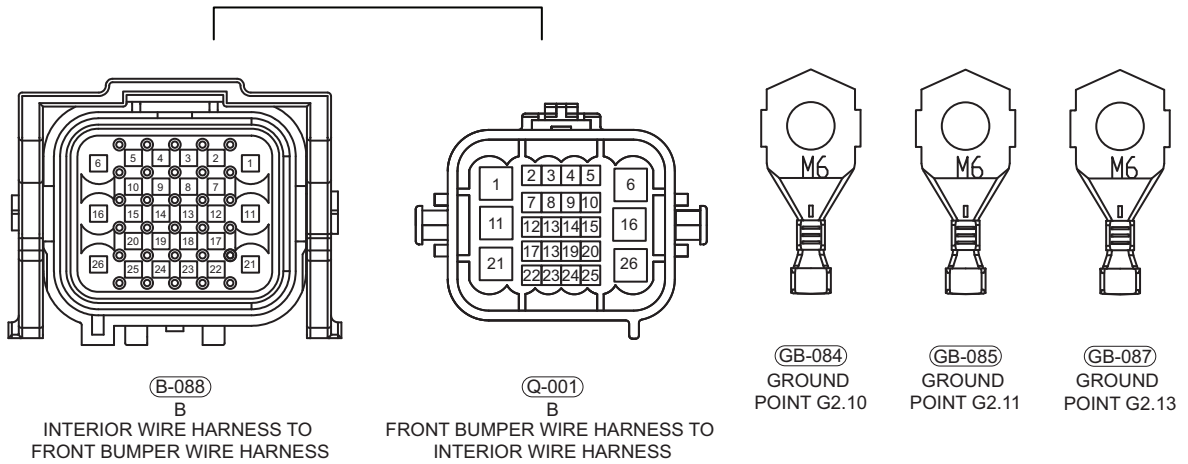


(GB-081)
GROUND
POINT G2.5



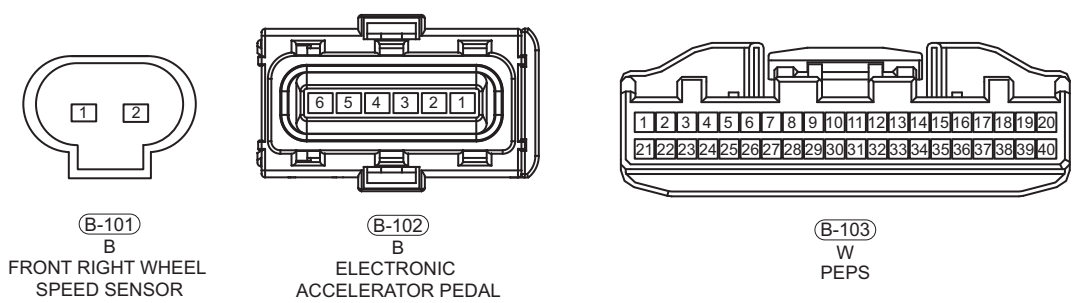
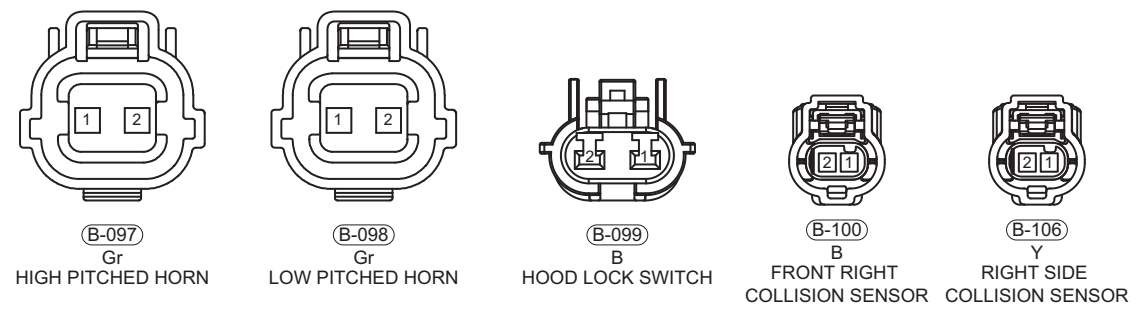
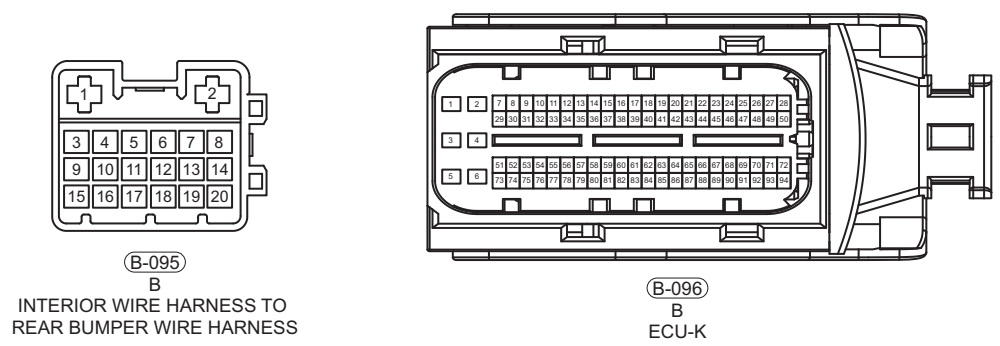
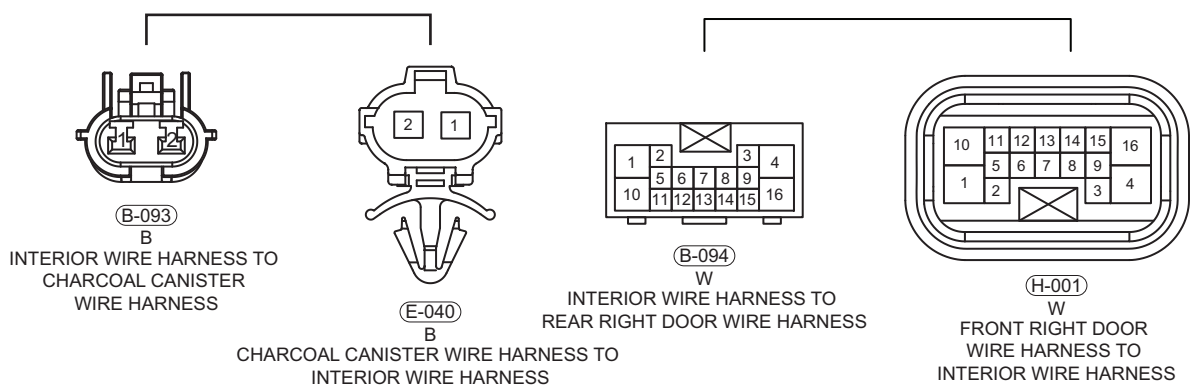
(GB-083)
GROUND
POINT G2.9

EPU012001



10

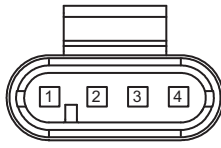
EPU013001



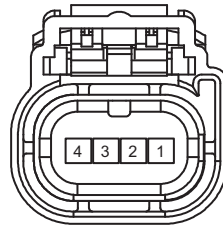
EPU013002



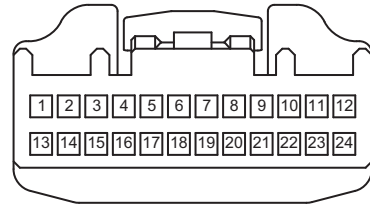
(B-107)
B
FRONT PASSENGER
SIDE SEAT BELT PRETENSIONER



(B-108)
Y
FUEL PUMP



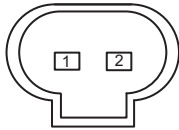
(B-109)
GR
LOW FREQUENCY ANTENNA -2



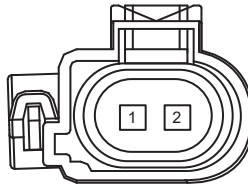
(B-110)
Y
PARKING RADAR CONTROLLER



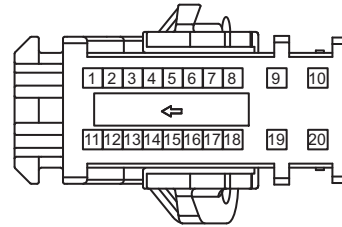
(B-112)
B
REAR RIGHT SEAT
BELT PRETENSIONER



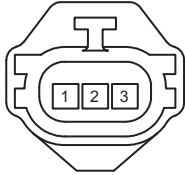
(B-113)
B
REAR RIGHT WHEEL
SPEED SENSOR



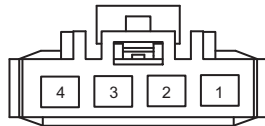
(B-114)
W
RIGHT EPB MOTOR



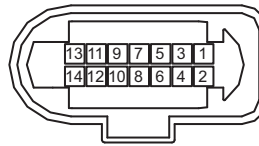
(B-115)
W
FRONT PASSENGER SEAT



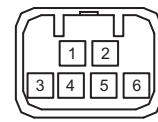
(B-116)
B
A/C PRESSURE SWITCH



(B-118)
W
BRAKE SWITCH

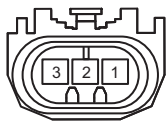


(B-119)
B
RIGHT HEADLIGHT



(B-120)
W
REAR RIGHT COMBINATION LIGHT

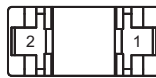
10



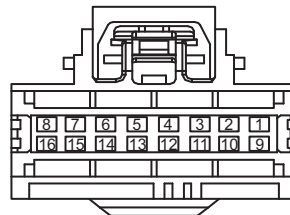
(B-121)
B
FUEL TANK
PRESSURE SENSOR



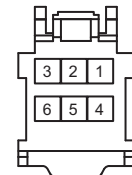
(B-122)
B
LOW FUEL
PRESSURE SENSOR



(B-123)
B
LUGGAGE
COMPARTMENT LIGHT

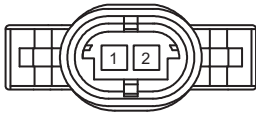


(B-124)
B
BACK DOOR
CONTROLLER-A

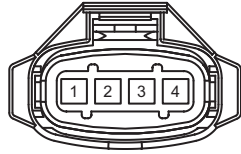


(B-125)
B
BACK DOOR
CONTROLLER-B

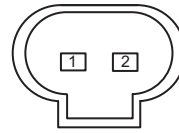
EPU014001



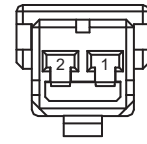
(B-126)
B
OUTSIDE TEMPERATURE
SENSOR



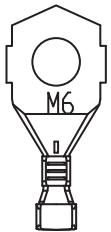
(B-127)
B
BOOST PRESSURE
TEMPERATURE SENSOR



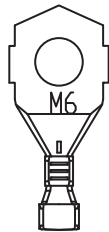
(B-131)
B
ELECTRIC TANK CAP



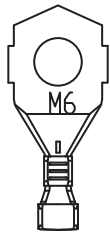
(B-132)
W
RIGHT ROCKER LIGHT



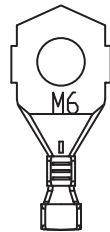
(GB-133)
GROUND
POINT G1.8



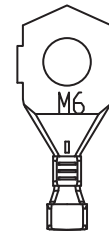
(GB-134)
GROUND
POINT G1.9



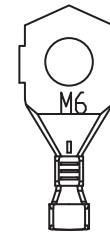
(GB-135)
GROUND
POINT G2.14



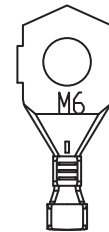
(GB-136)
GROUND
POINT G2.15



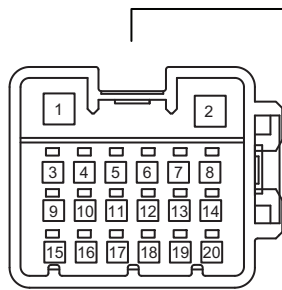
(GB-137)
GROUND
POINT G2.17



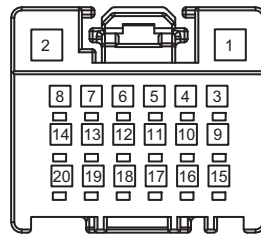
(GB-141)
GROUND
POINT G2.21



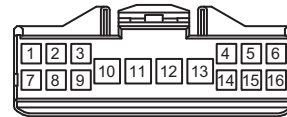
(GB-142)
Ground
Point G2.22



(B-143)
B
INTERIOR WIRE HARNESS TO
BACK DOOR WIRE HARNESS 2



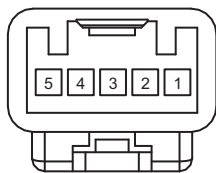
(T-002)
B
BACK DOOR WIRE HARNESS TO
INTERIOR WIRE HARNESS 2



(B-144)
W
INSTRUMENT PANEL
FUSE BOX-5



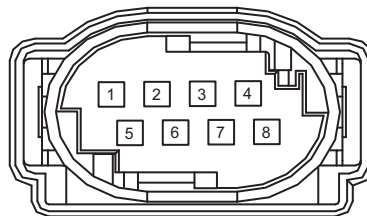
(B-147)
W
DRIVING RECORDER-A



(B-148)
W
INSIDE REAR VIEW MIRROR



(B-149)
B
FRONT CAMERA

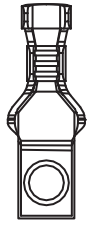


(B-150)
B
FRONT RADAR MODULE

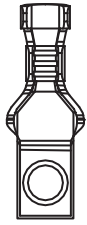


(B-197)
FRONT COMPARTMENT FUSE
BOX POWER SOURCE

EPU015001



(B-198)
ESC POSITIVE



(B-199)
EPS POSITIVE



(B-200)
INSTRUMENT
PANEL FUSE
BOX POSITIVE



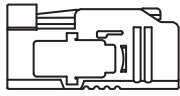
(B-201)
FRONT
COMPARTMENT
FUSE BOX POSITIVE



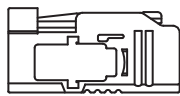
(B-195)
B
GPF TEMPERATURE
SENSOR



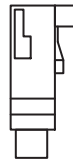
(B-194)
B
GPF PRESSURE SENSOR



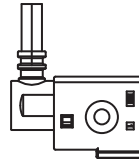
(B-215)
INTERIOR WIRE
HARNESS TO
INSTRUMENT
PANEL WIRE
HARNESS
(DRIVING RECORDER)



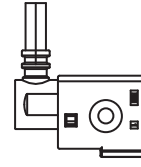
(B-216)
INTERIOR WIRE
HARNESS TO
INSTRUMENT
PANEL WIRE
HARNESS (FACE CAMERA)



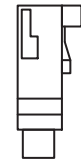
(B-217)
INTERIOR WIRE HARNESS
TO FRONT LEFT DOOR
WIRE HARNESS
(PANORAMIC CAMERA)



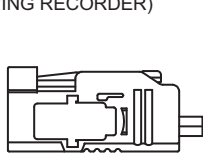
(B-218)
FACE
CAMERA



(B-219)
DRIVING RECORDER-B



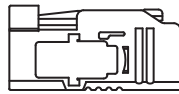
(B-220)
INTERIOR WIRE
HARNESS
TO FRONT RIGHT
DOOR WIRE HARNESS
(PANORAMIC CAMERA)



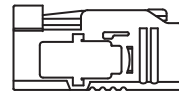
(B-221)
INTERIOR WIRE
HARNESS
TO INSTRUMENT PANEL
WIRE HARNESS
(RADIO ANTENNA)



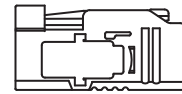
(B-222)
INTERIOR WIRE
HARNESS
TO INSTRUMENT
PANEL WIRE HARNESS
(PANORAMIC
CONTROLLER)



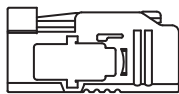
(B-223)
PANORAMIC
CONTROLLER-C
(REAR CAMERA)



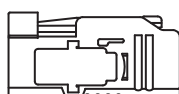
(B-224)
PANORAMIC
CONTROLLER-D
(RIGHT CAMERA)



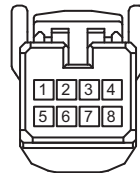
(B-225)
PANORAMIC
CONTROLLER-E
(LEFT CAMERA)



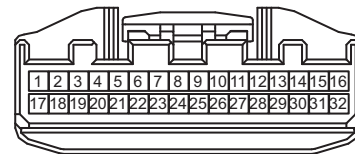
(B-226)
PANORAMIC
CONTROLLER-F
(FRONT CAMERA)



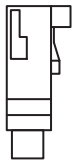
(B-227)
PANORAMIC
CONTROLLER-B
(TO HEAD UNIT)



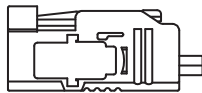
(B-228)
W
PANORAMIC
CONTROLLER(-APA)-A



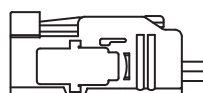
(B-229)
W
PARKING RADAR CONTROLLER(APA)-A



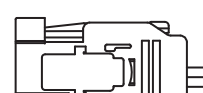
(B-230)
INTERIOR WIRE
HARNESS TO
INSTRUMENT PANEL
WIRE HARNESS (DMC)



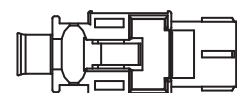
(B-231)
REMOTE
COMMUNICATION
GATEWAY
(4G ANTENNA 1)-B



(B-232)
REMOTE
COMMUNICATION
GATEWAY
(GPS ANTENNA)-C

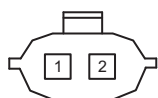


(B-233)
REMOTE
COMMUNICATION
GATEWAY
(4G ANTENNA 2)-D

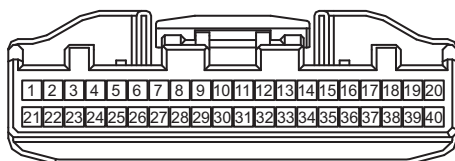


(B-234)
REMOTE COMMUNICATION
GATEWAY (HSB)-E

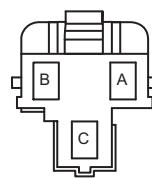
EPU016001



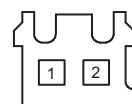
(B-235)
B
LOW FREQUENCY
ANTENNA -1



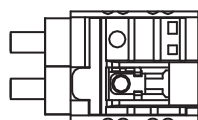
(B-236)
W
REMOTE COMMUNICATION GATEWAY-A



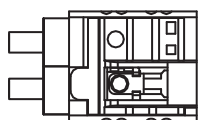
(B-237)
CIGARETTE LIGHTER



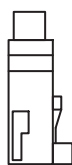
(B-238)
USB
CHARGING MODULE



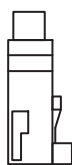
(B-239)
RADIO ANTENNA/
GPS ANTENNA



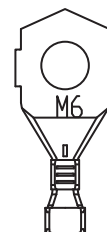
(B-240)
4G ANTENNA



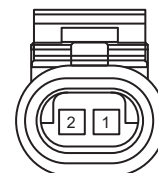
(B-241)
INTERIOR WIRE HARNESS
TO BACK DOOR
WIRE HARNESS
(PANORAMIC CAMERA)



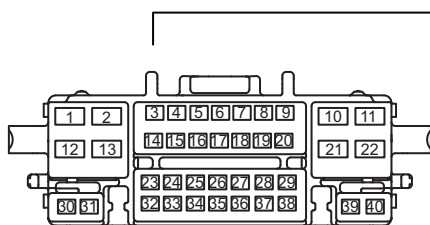
(B-244)
INTERIOR WIRE HARNESS
TO FRONT
BUMPER WIRE
HARNESS
(PANORAMIC CAMERA)



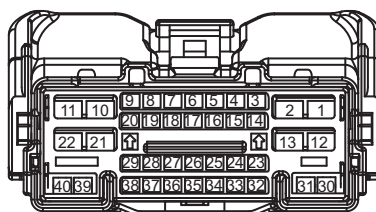
(GB-243)
GROUND
POINT G2.16



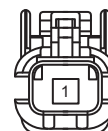
(B-246)
B
WASHER LEVEL SENSOR



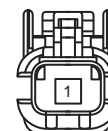
(B-245)
B
INTERIOR WIRE HARNESS TO
INSTRUMENT PANEL WIRE HARNESS



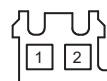
(I-051)
B
INSTRUMENT PANEL WIRE HARNESS TO I
NTERIOR WIRE HARNESS



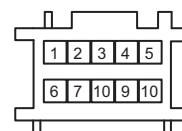
(B-247)
B
FRONT HEATING
WINDSHIELD 1



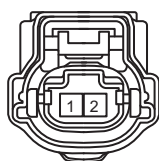
(B-248)
B
FRONT HEATING
WINDSHIELD 2



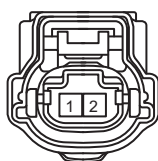
(B-252)
B
MICROPHONE LH



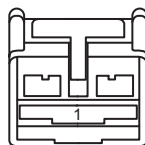
(B-253)
W
ROOF CONSOLE UNIT



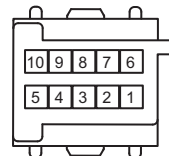
(B-249)
B
HEATING NOZZLE L



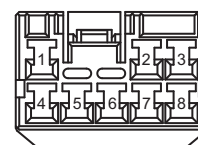
(B-250)
B
HEATING NOZZLE R



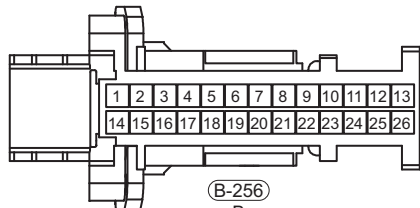
(B-251)
B
FRONT HEATING
WINDSHIELD 1 GND



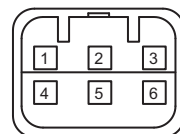
(B-254)
B
REAR SEAT
HEATING SWITCH



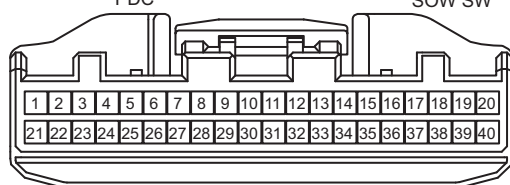
(B-255)
B
REAR SEAT
HEATING INTERFACE



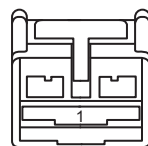
(B-256)
B
PDC



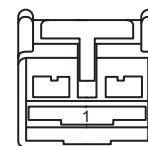
(B-257)
W
SOW SW



(B-260)
W
GLONASS



(B-258)
B
FRONT HEATING
WINDSHIELD 2 GND

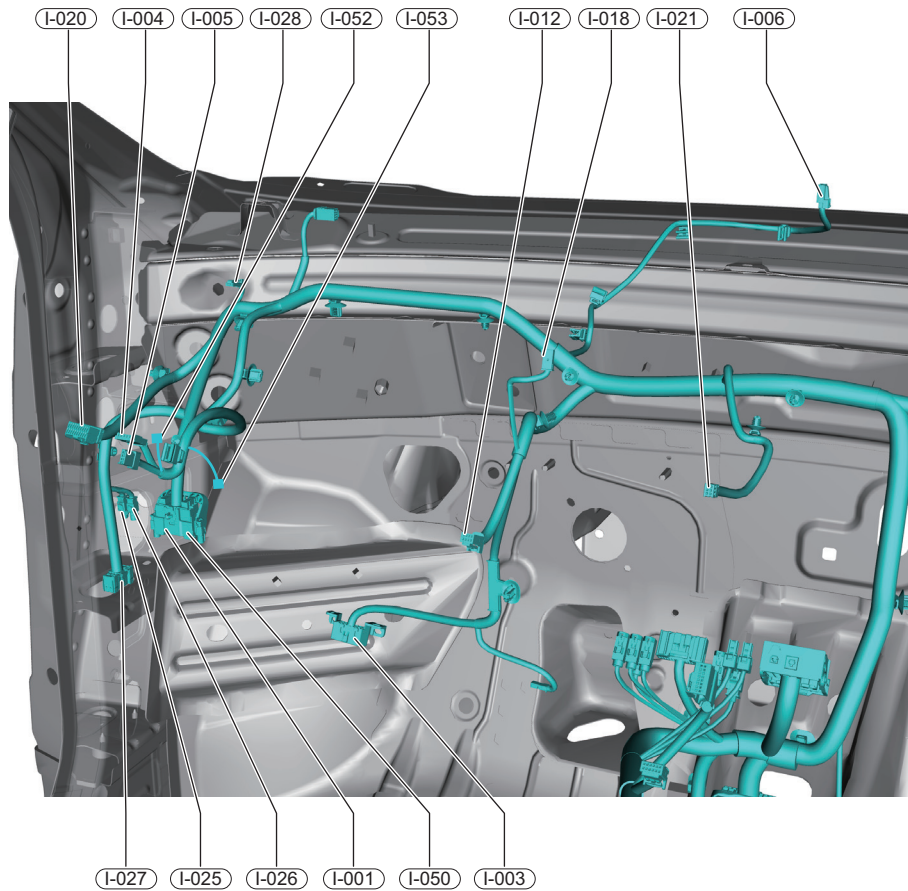


(B-259)
B
FRONT HEATING
WINDSHIELD 2 GND

10

EPU017001

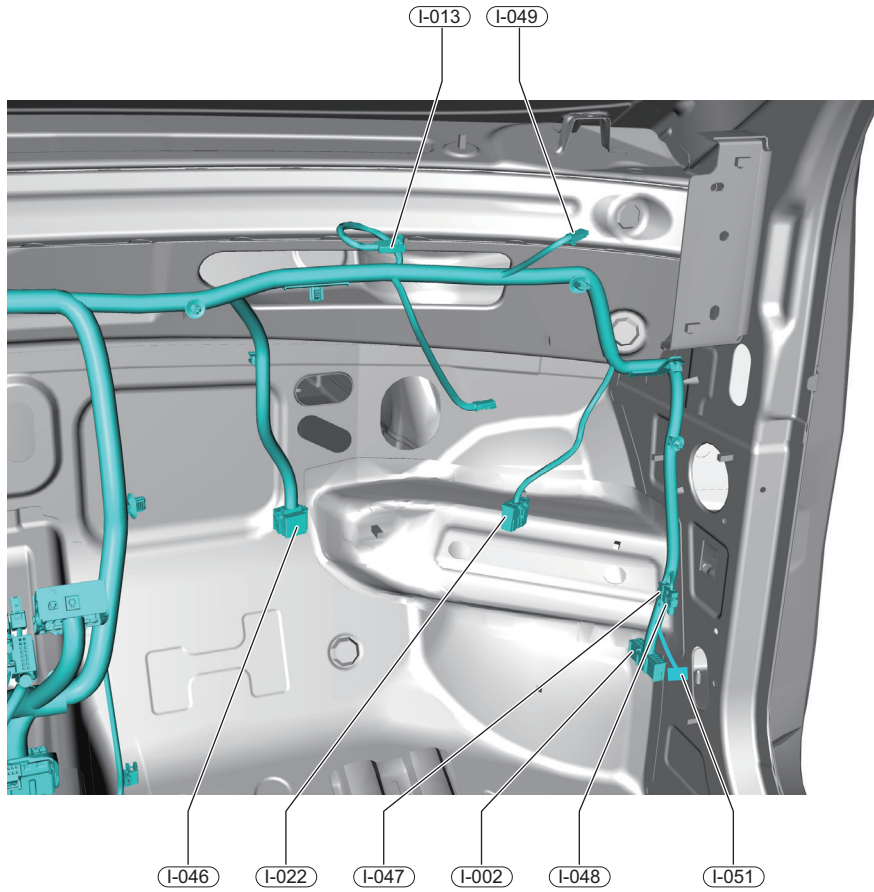
Instrument Panel Wire Harness



WHE027001

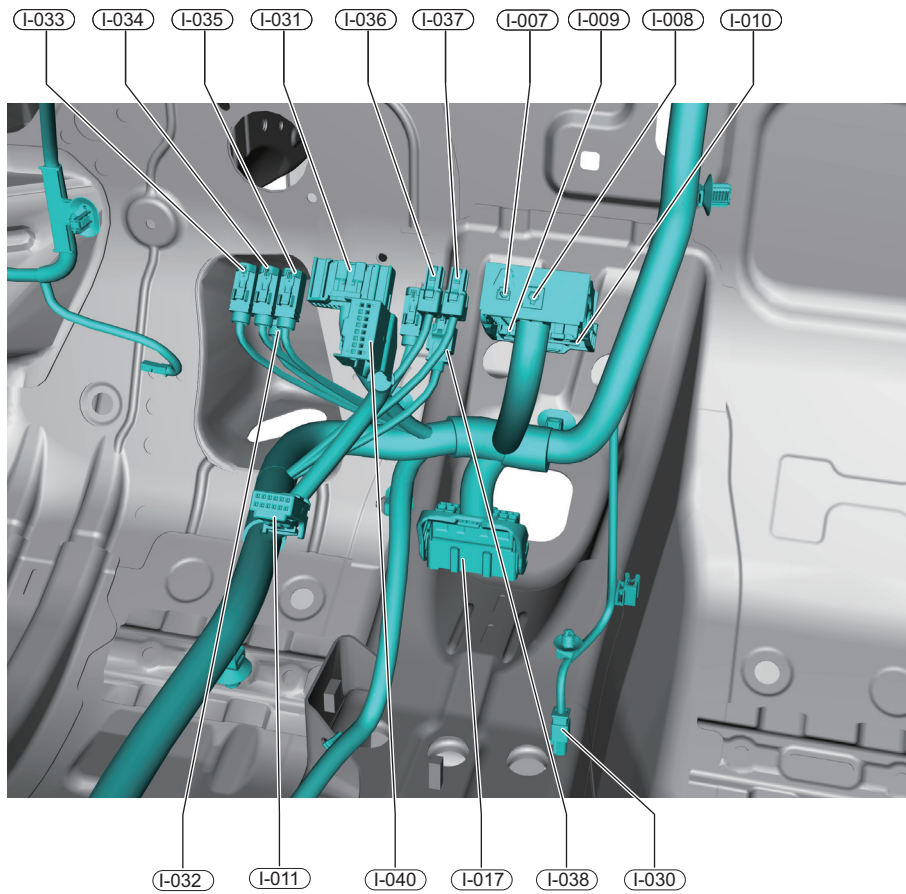
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Connector No.	Connector Color/Pin	Connector Name
I-003	W/16	Diagnostic Interface
I-004	B/6	Steering Column Module A
I-005	B/4	Steering Column Module B
I-006	Gr/4	Solar Microlight Sensor
I-012	W/8	Engine start stop button
I-018	B/6	Front Passenger Instrument Panel Ambient Light-1
I-020	W/20	Instrument Panel Left Switch
I-021	L/6	Hazard Light Switch
I-025	/1	Instrument Panel Wire Harness to Interior Wire Harness (Face Camera)
I-026	/1	Instrument Panel Wire Harness to Interior Wire Harness (Driving Recorder)
I-027	W/24	Instrument Panel Wire Harness to Interior Wire Harness 3
I-028	B/4	Left Negative Ion Generator
I-050	Br/16	Instrument Panel Wire Harness to Interior Wire Harness 4
I-052	W/4	Steering Wheel Heating
I-053	B/2	Loud Speaker



WHE028001

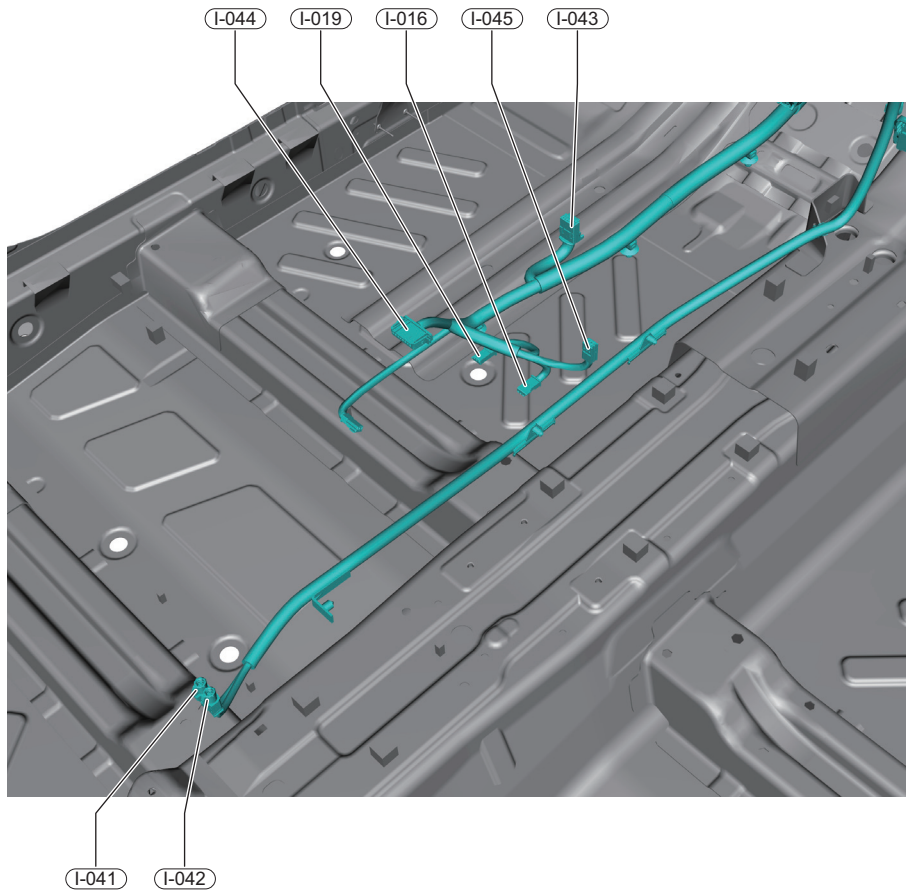
Connector No.	Connector Color/Pin	Connector Name
I-002	W/26	Instrument Panel Wire Harness to Interior Wire Harness 3
I-013	Y/2	Front Passenger Side Airbag
I-022	W/6	Instrument Panel Wire Harness to A/C Wire Harness (Blower)
I-046	Lg/22	Instrument Panel Wire Harness to A/C Wire Harness
I-047	/1	Instrument Panel Wire Harness to Interior Wire Harness (AVM)
I-048	/1	Instrument Panel Wire Harness to Interior Wire Harness (Radio Antenna)
I-049	B/4	Right Negative Ion Generator
I-051	B/40	Instrument Panel Wire Harness to Interior Wire Harness 1



WHE029001

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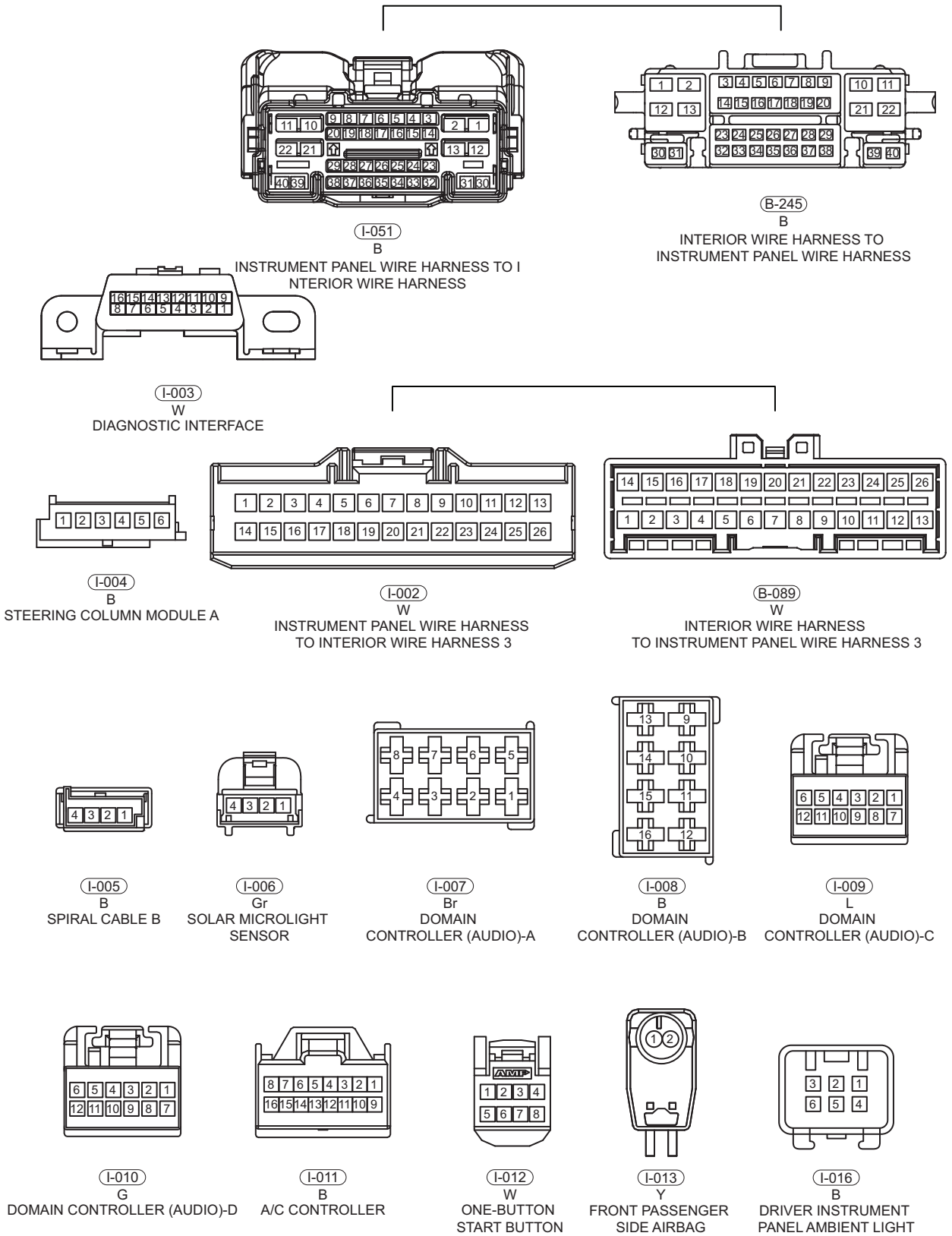
Connector No.	Connector Color/Pin	Connector Name
I-007	Br/8	Domain Controller (Audio)-A
I-008	B/8	Domain Controller (Audio)-B
I-009	L/12	Domain Controller (Audio)-C
I-010	G/12	Domain Controller (Audio)-D
I-011	B/16	A/C Control Panel (AIPM)
I-017	W/40	Instrument Panel Wire Harness to Interior Wire Harness 2
I-030	/1	Instrument Panel Wire Harness to Interior Wire Harness (TGW)
I-031	W/32	Domain Controller (Instrument Cluster)
I-032	/1	Radio Antenna (Domain Controller End)
I-033	/1	Face Camera (Domain Controller End)
I-034	/1	Driving Recorder (Domain Controller End)
I-035	/1	Panoramic View Controller (Domain Controller End)
I-036	/1	USB1 (Domain Controller End)
I-037	/1	USB2 (Domain Controller End)
I-038	/1	HSD Wire (DMC)
I-040	W/12	Central Control Switch



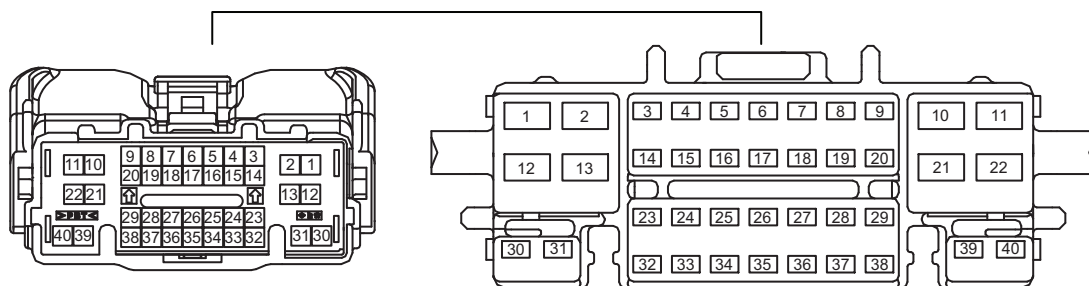
WHE030001

Connector No.	Connector Color/Pin	Connector Name
I-016	B/6	Driver Instrument Panel Ambient Light
I-019	B/6	Front Passenger Instrument Panel Ambient Light-2
I-041	/1	USB1
I-042	/1	USB2
I-043	Br/16	Electronic Gear Shift Module (Integrated EPB Switch)
I-044	W/8	Wireless Charging
I-045	W/6	Touch Gesture Control Pad

Instrument wire harness connector list



EPU018001



(I-017)

W

INSTRUMENT PANEL WIRE HARNESS TO INTERIOR WIRE HARNESS 2

(B-003)

W

INTERIOR WIRE HARNESS TO INSTRUMENT PANEL WIRE HARNESS 2



(I-018)

B

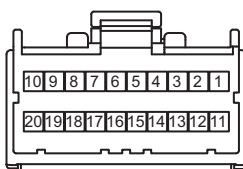
FRONT PASSENGER INSTRUMENT PANEL AMBIENT LIGHT-1



(I-019)

B

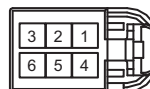
FRONT PASSENGER INSTRUMENT PANEL AMBIENT LIGHT-2



(I-020)

W

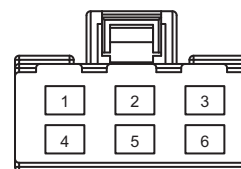
INSTRUMENT PANEL LEFT SWITCH



(I-021)

L

HAZARD LIGHT SWITCH



(I-022)

W

INSTRUMENT PANEL WIRE HARNESS TO A/C WIRE HARNESS (BLOWER)



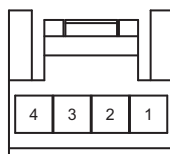
(I-025)

INSTRUMENT PANEL WIRE HARNESS TO INTERIOR WIRE HARNESS (FACE CAMERA)



(I-026)

INSTRUMENT PANEL WIRE HARNESS TO INTERIOR WIRE HARNESS (DRIVING RECORDER)



(I-028)

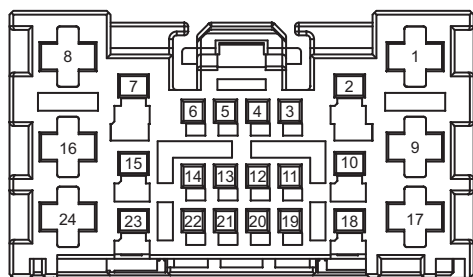
B

LEFT ION GENERATOR



(I-030)

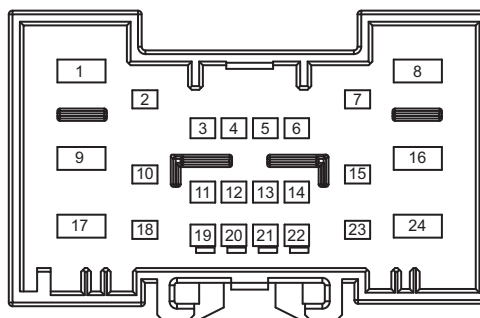
INSTRUMENT PANEL WIRE HARNESS TO INTERIOR WIRE HARNESS (HSD)



(I-027)

W

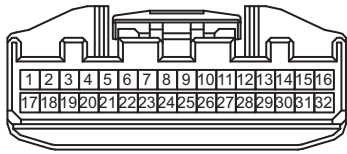
INSTRUMENT PANEL WIRE HARNESS TO INTERIOR WIRE HARNESS (LEFT)



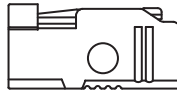
(B-011)

W

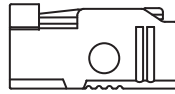
INTERIOR WIRE HARNESS TO INSTRUMENT PANEL WIRE HARNESS 3 EPU019001



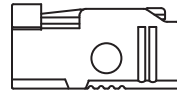
I-031
W
DOMAIN CONTROLLER
(INSTRUMENT CLUSTER)



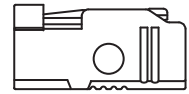
I-032
RADIO ANTENNA
(DOMAIN CONTROLLER END)



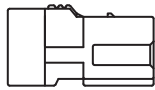
I-033
FACE CAMERA
(DOMAIN CONTROLLER END)



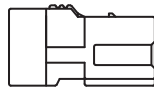
I-034
DRIVING RECORDER
(DOMAIN CONTROLLER END)



I-035
PANORAMIC VIEW CONTROLLER
(DOMAIN CONTROLLER END)



I-036
USB1 (DOMAIN CONTROLLER END)



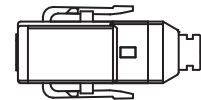
I-037
(HSD) (DOMAIN CONTROLLER END)



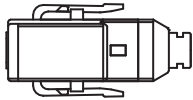
I-038
(HSD) (DOMAIN CONTROLLER END)



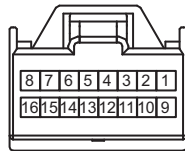
I-040
W
CENTRAL CONTROL SWITCH



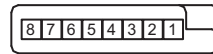
I-041
USB1



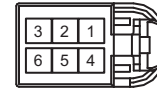
I-042
USB2



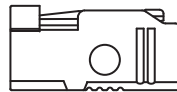
I-043
Br
ELECTRONIC GEAR SHIFT MODULE
(INTEGRATED EPB SWITCH)



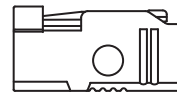
I-044
W
WIRELESS CHARGING



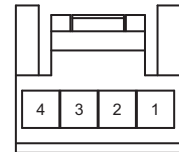
I-045
W
TOUCHPAD



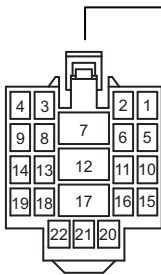
I-047
INSTRUMENT PANEL WIRE HARNESS TO INTERIOR WIRE HARNESS (AVM)



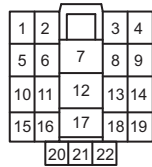
I-048
INSTRUMENT PANEL WIRE HARNESS TO INTERIOR WIRE HARNESS (RADIO ANTENNA)



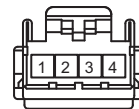
I-049
B
RIGHT ION GENERATOR



I-046
Lg
INSTRUMENT PANEL WIRE HARNESS TO A/C WIRE HARNESS



K-019
Lg
INSTRUMENT PANEL WIRE HARNESS TO A/C WIRE HARNESS



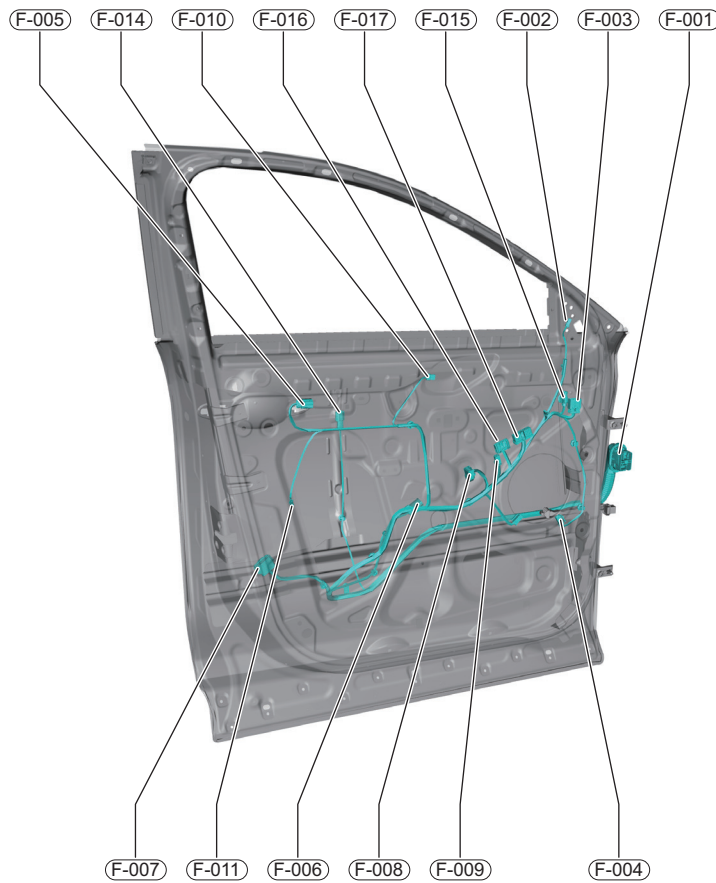
I-052
W
STEERING WHEEL HEATING



I-053
B
LOUDSPEAKER

EPU019002

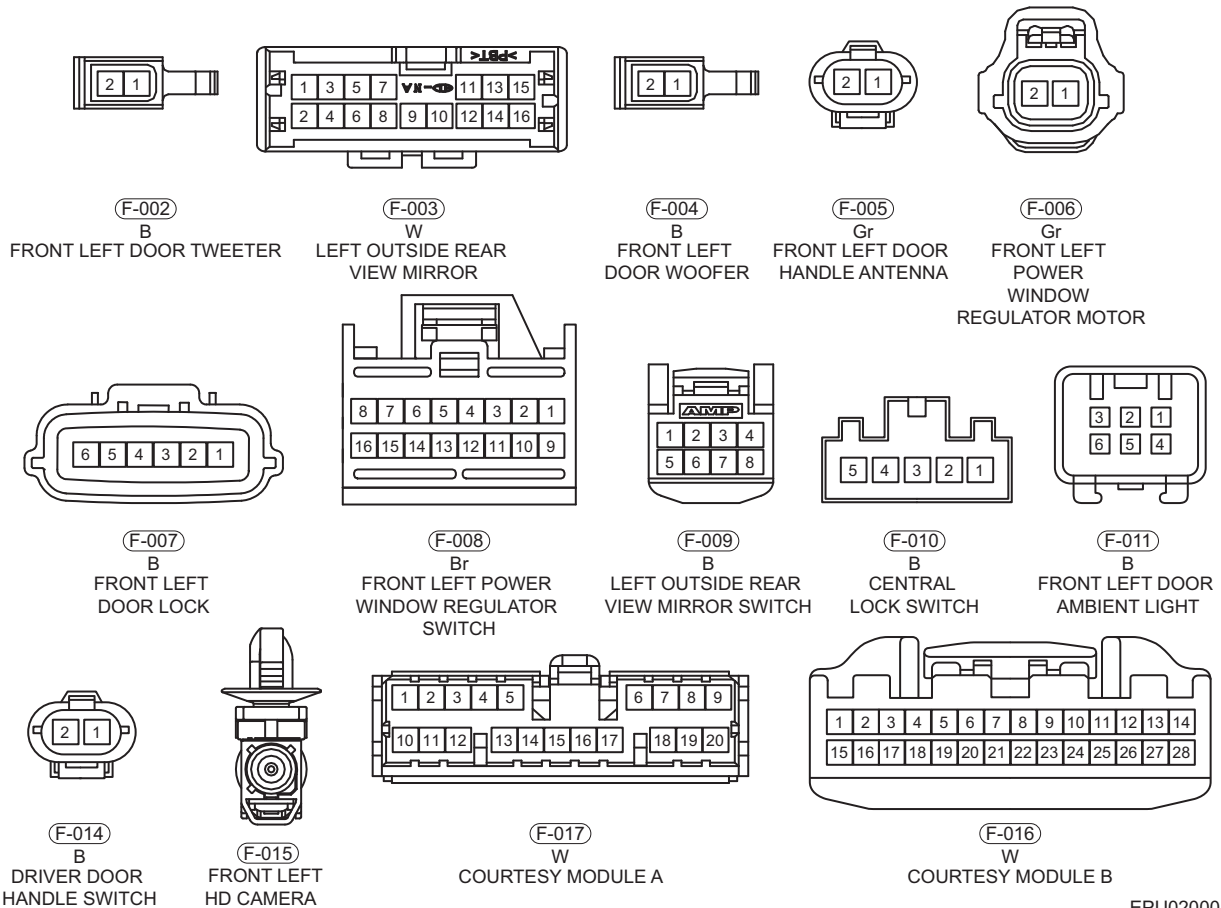
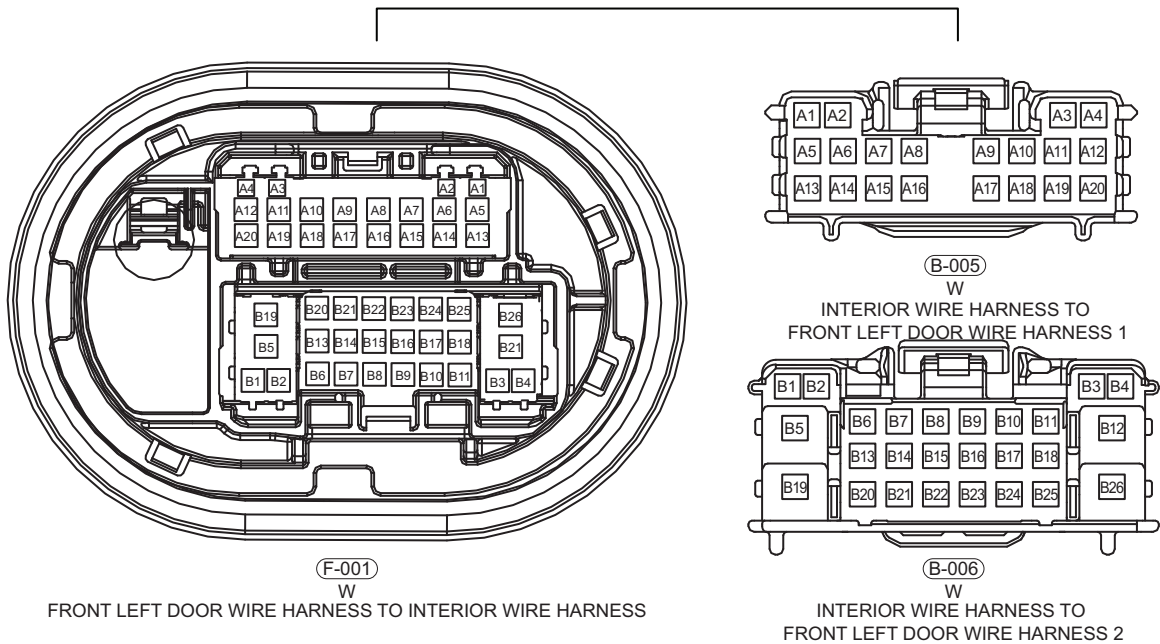
Front Left Door Wire Harness



WHE031001

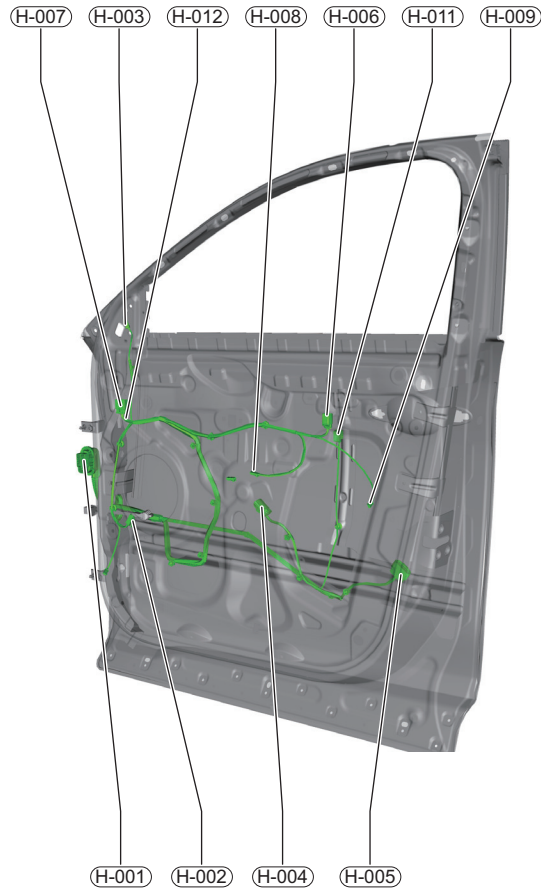
Connector No.	Connector Color/Pin	Connector Name
F-001	W/46	Interior Wire Harness to Front Left Door Wire Harness
F-002	B/2	Front Left Door Tweeter
F-003	W/16	Left Outside Rear View Mirror
F-004	B/2	Front Left Door Woofer
F-005	Gr/2	Front Left Door Handle Antenna
F-006	Gr/2	Front Left Power Window Regulator Motor
F-007	B/6	Front Left Door Lock
F-008	Br/16	Front Left Power Window Regulator Switch
F-009	B/8	Left Outside Rear View Mirror Switch
F-010	B/5	Central Lock Switch
F-011	B/6	Front Left Door Ambient Light
F-014	B/2	Driver Door Handle Switch
F-015	/1	Front Left HD Camera
F-016	W/28	Courtesy Module B
F-017	W/20	Courtesy Module A

Left front door wire harness connector list



EPU20001

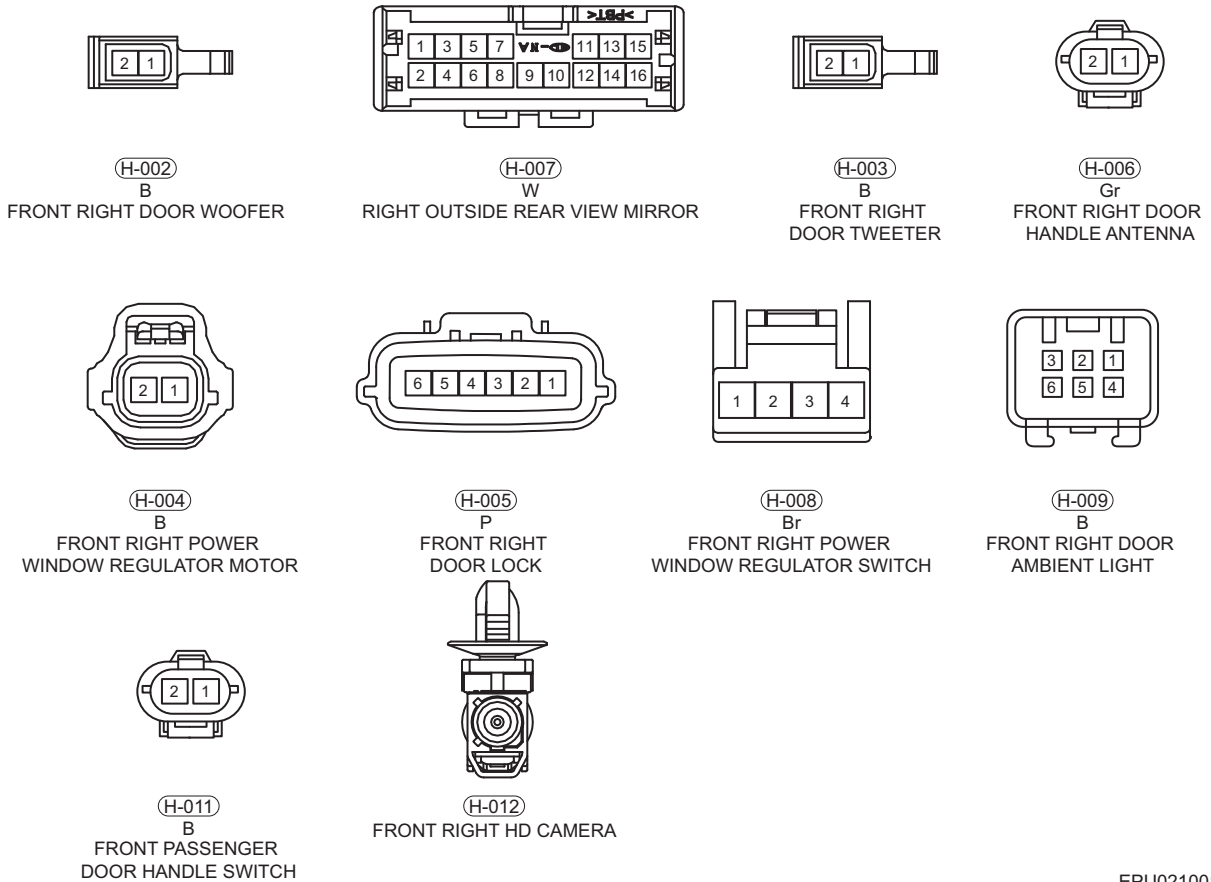
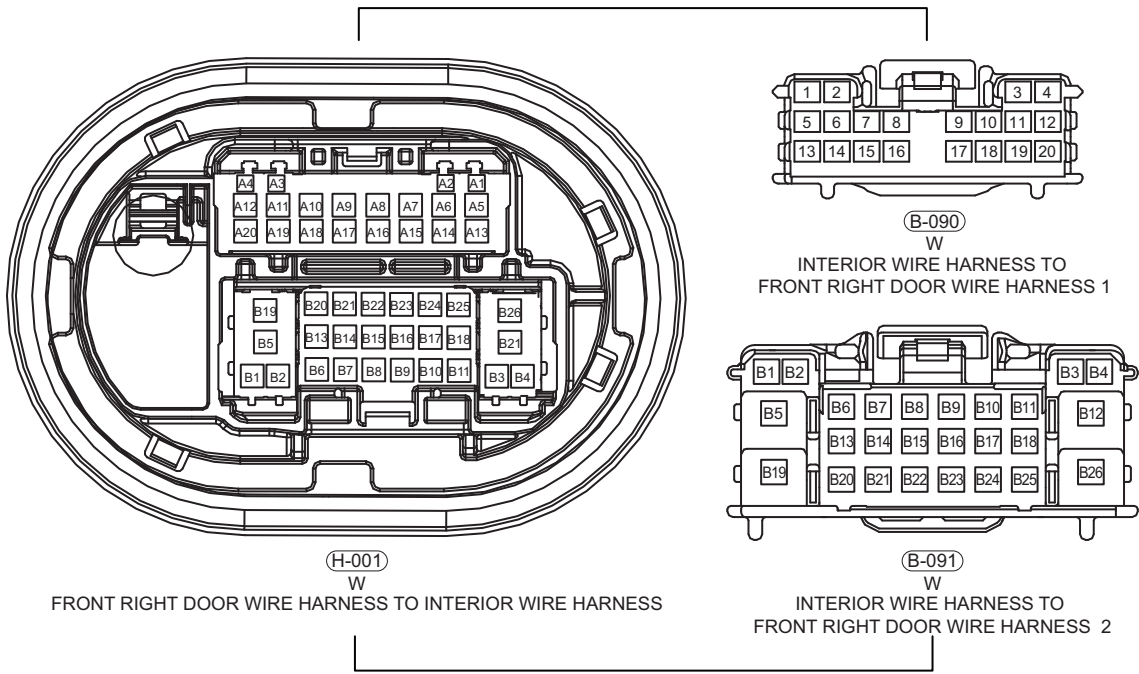
Front Right Door Wire Harness



WHE032001

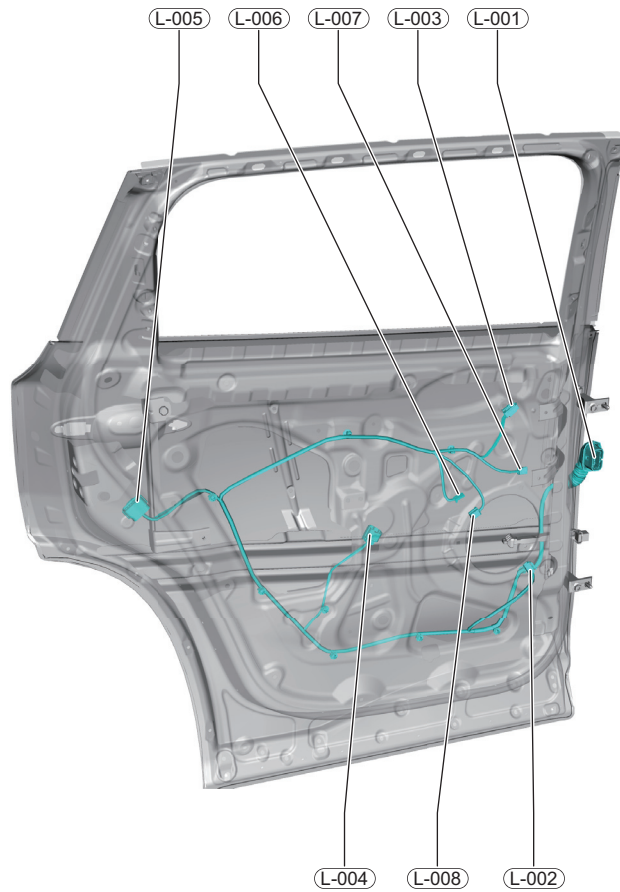
Connector No.	Connector Color/Pin	Connector Name
H-001	W/46	Interior Wire Harness to Front Right Door Wire Harness
H-002	B/2	Front Right Door Woofer
H-003	B/2	Front Right Door Tweeter
H-004	B/2	Front Right Power Window Regulator Motor
H-005	P/6	Front Right Door Lock
H-006	Gr/2	Front Right Door Handle Antenna
H-007	W/16	Right Outside Rear View Mirror
H-008	Br/4	Front Right Power Window Regulator Switch
H-009	B/6	Front Right Door Ambient Light
H-011	B/2	Front Passenger Door Handle Switch
H-012	/1	Front Right HD Camera

Right front door wire harness connector list



EPU021001

Rear Left Door Wire Harness

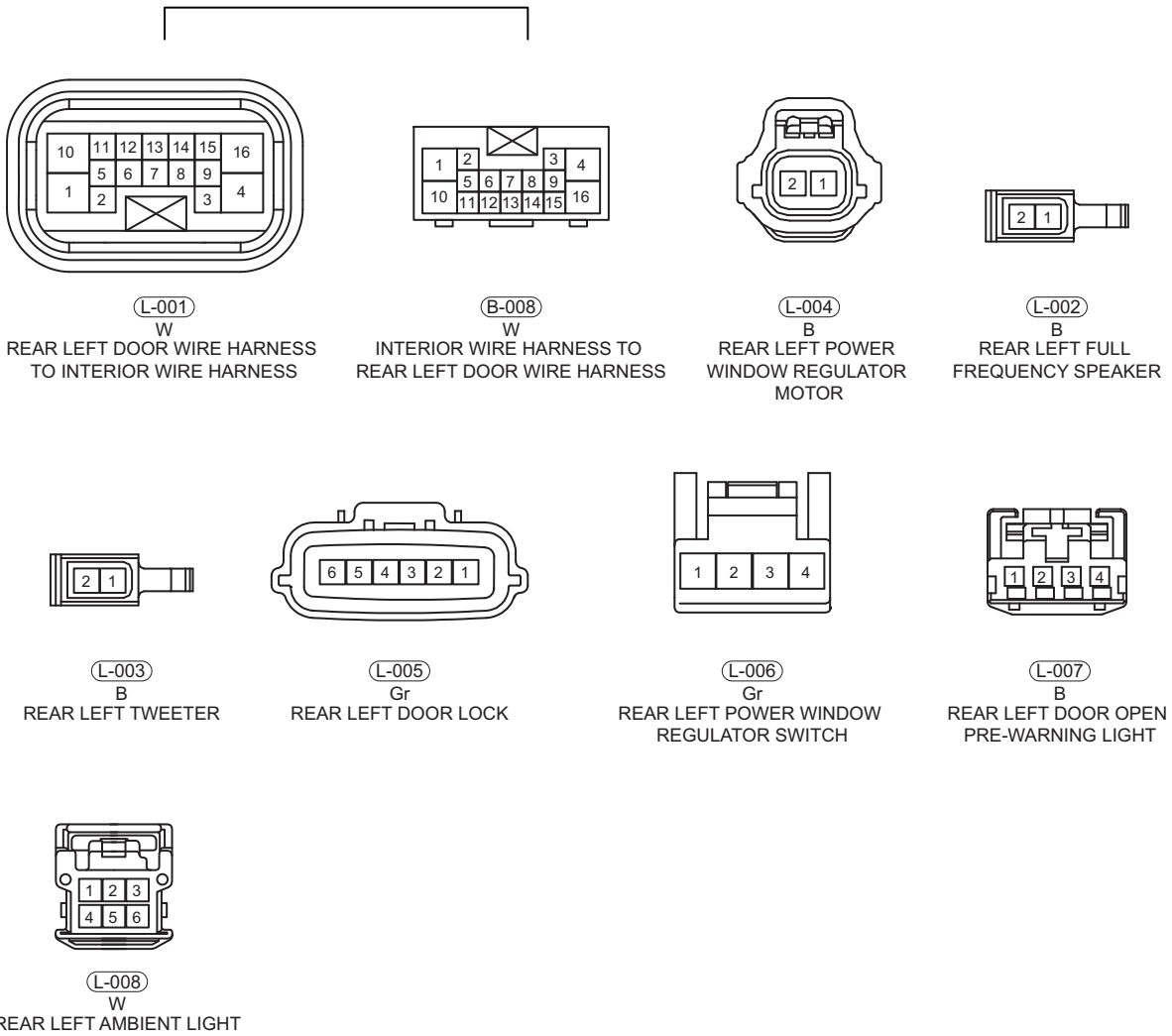


WHE033001

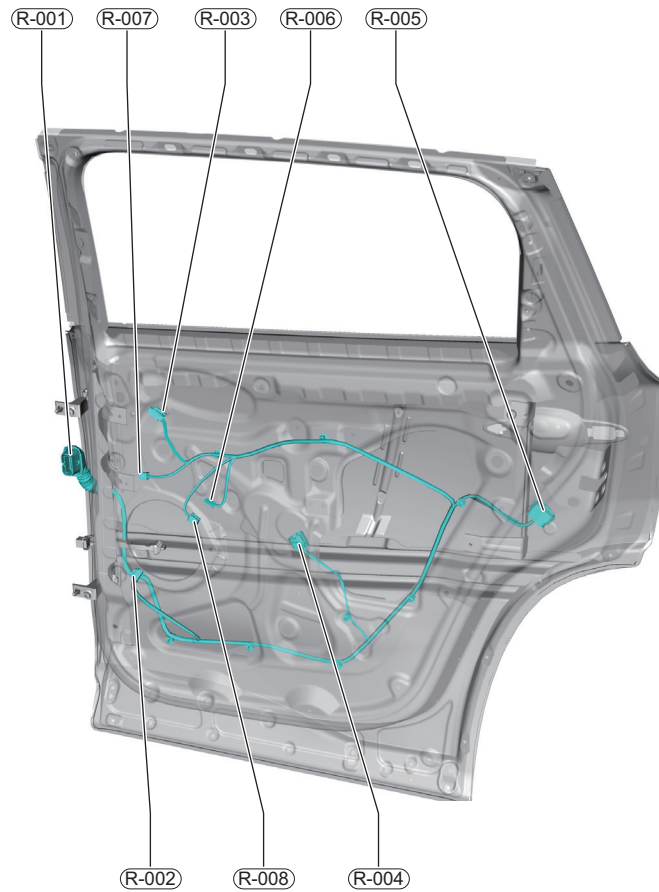
Connector No.	Connector Color/Pin	Connector Name
L-001	W/16	Interior Wire Harness to Rear Left Door Wire Harness
L-002	B/2	Rear Left Woofer
L-003	B/2	Rear Left Tweeter
L-004	B/2	Rear Left Power Window Regulator Motor
L-005	Gr/6	Rear Left Door Lock
L-006	Gr/4	Rear Left Power Window Regulator Switch
L-007	B/4	Rear Left Door Open Warning Light
L-008	W/6	Rear Left Door Ambient Light

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Left rear door wire harness connector list



Rear Right Door Wire Harness

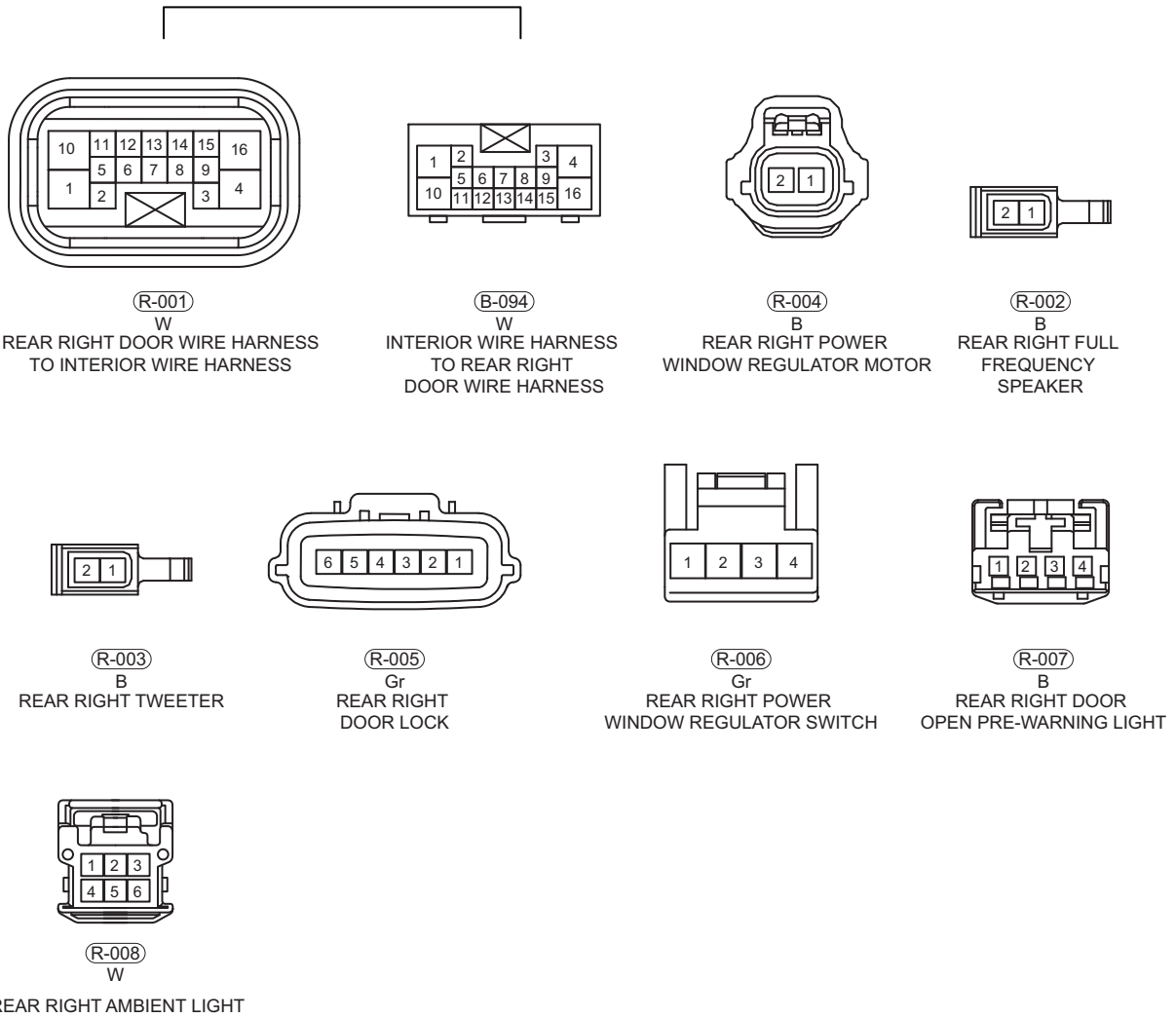


WHE034001

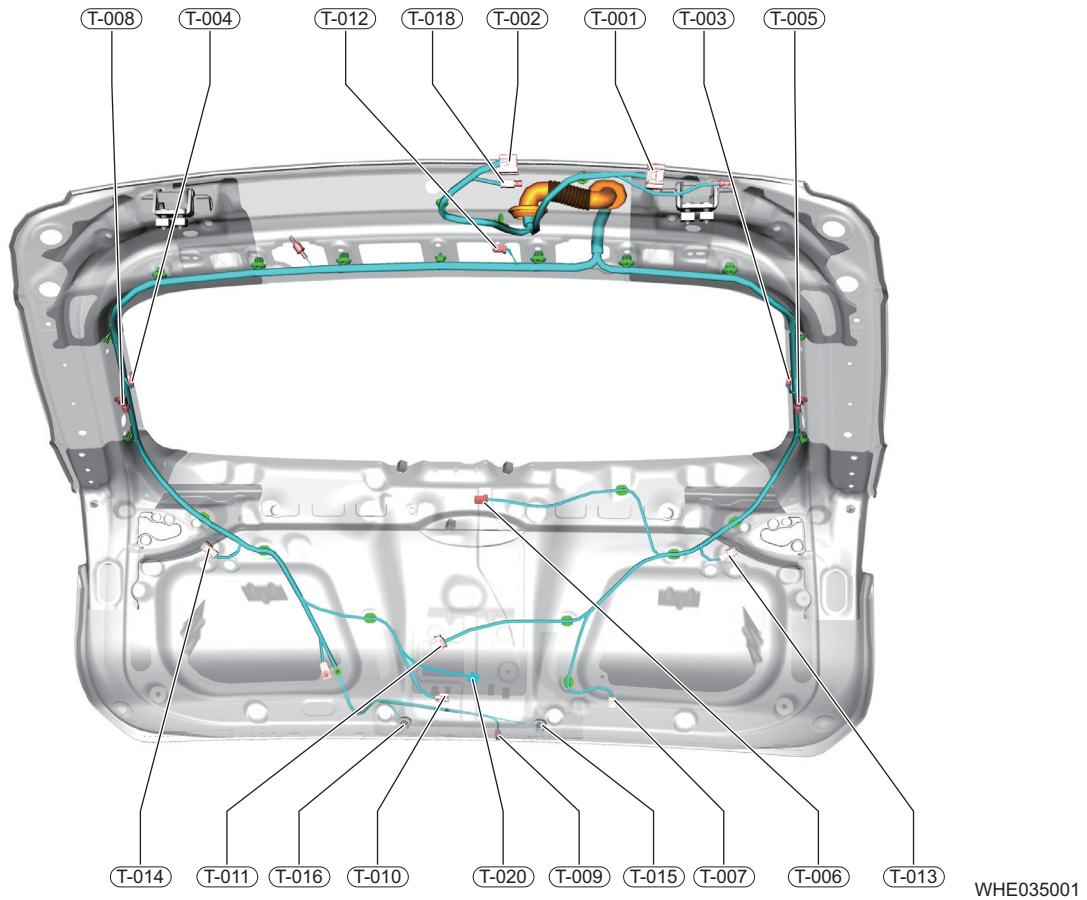
Connector No.	Connector Color/Pin	Connector Name
R-001	W/16	Interior Wire Harness to Rear Right Door Wire Harness
R-002	B/2	Rear Right Woofer
R-003	B/2	Rear Right Tweeter
R-004	B/2	Rear Right Power Window Regulator Motor
R-005	Gr/6	Rear Right Door Lock
R-006	Gr/4	Rear Right Power Window Regulator Switch
R-007	B/4	Rear Right Door Open Warning Light
R-008	W/6	Rear Right Door Ambient Light

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Right rear door wire harness connector list

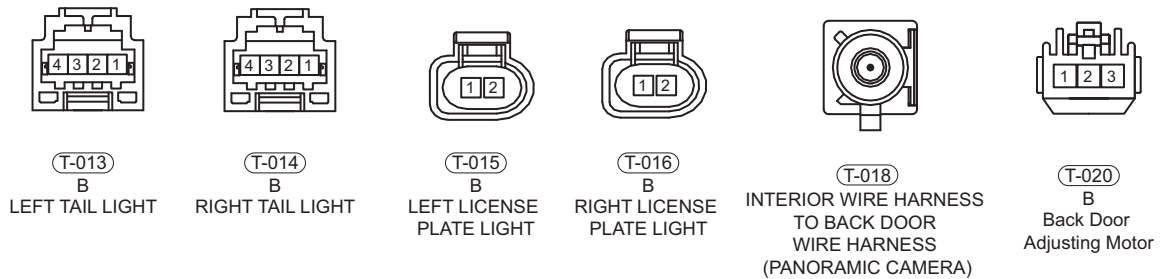
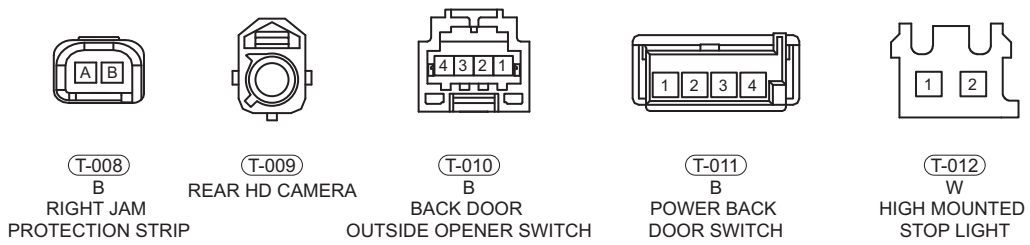
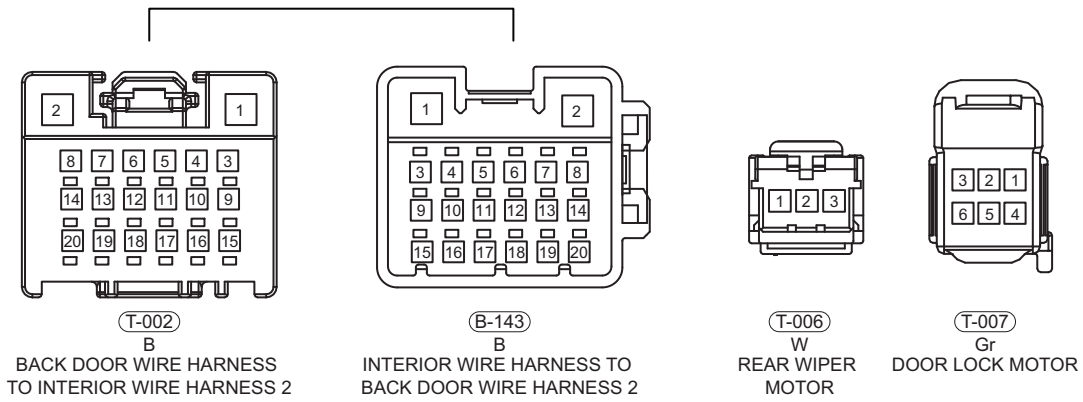
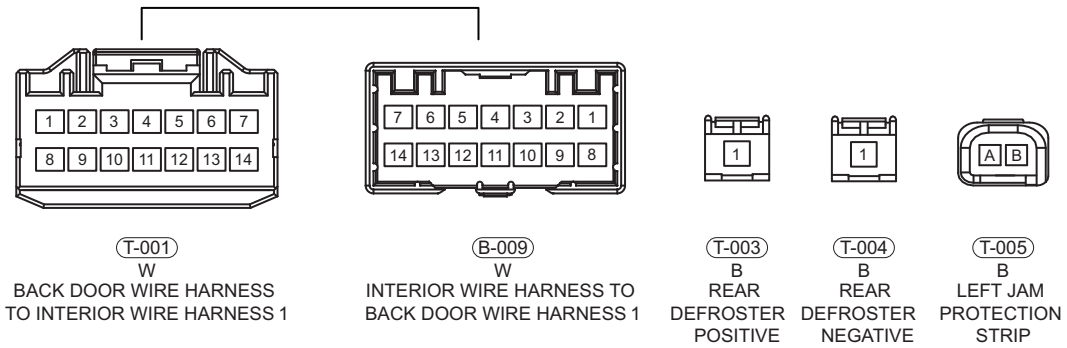


Back Door Wire Harness



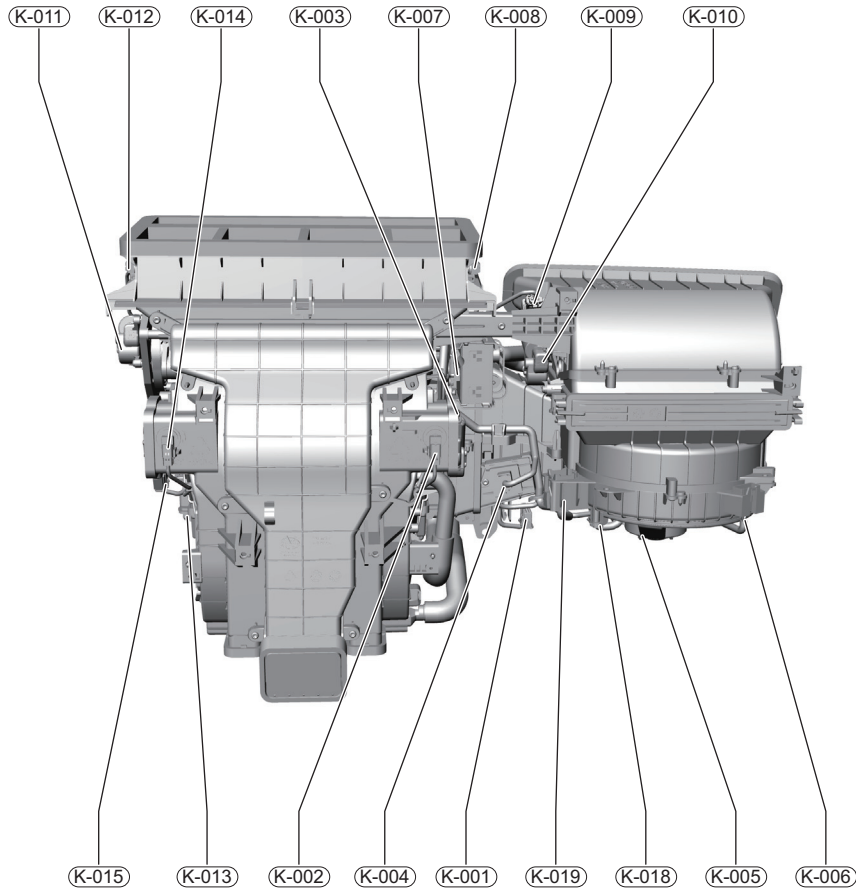
Connector No.	Connector Color/Pin	Connector Name
T-001	W/14	Interior Wire Harness to Back Door Wire Harness 1
T-002	B/20	Interior Wire Harness to Back Door Wire Harness 2
T-003	B/1	Rear Defroster Positive
T-004	B/1	Rear Defroster Negative
T-005	B/2	Left Jam Protection Strip
T-006	W/3	Rear Wiper Motor
T-007	Gr/6	Door Lock Motor
T-008	B/2	Right Jam Protection Strip
T-009	/1	Rear HD Camera
T-010	B/4	Back Door Outside Opener Switch
T-011	B/4	Power Back Door Switch
T-012	W/2	High Mounted Stop Light
T-013	B/4	Rear Left Tail Light
T-014	B/4	Rear Right Tail Light
T-015	B/2	Left License Plate Light
T-016	B/2	Right License Plate Light
T-018	/1	Interior Wire Harness to Back Door Wire Harness (Panoramic Camera)
T-020	B/3	Back Door Adjusting Motor

Back door wire harness connector list



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A/C Wire Harness

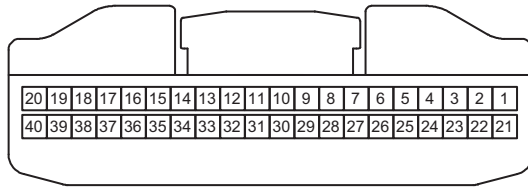


WHE038001

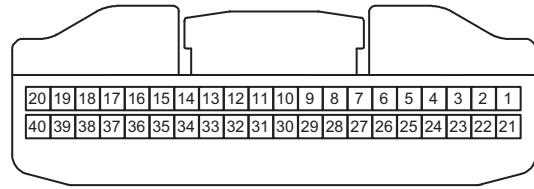
Connector No.	Connector Color/Pin	Connector Name
K-001	W/40	Automatic A/C Control Module – A
K-002	B/3	Right Feet Outlet Temperature Sensor
K-003	B/6	Right Temperature Damper Servo Motor
K-004	B/3	Blower Speed Regulation Module
K-005	W/2	Blower
K-006	B/6	Instrument Panel Wire Harness to A/C Wire Harness (Blower)
K-007	B/5	PM2.5 Sensor
K-008	B/3	Right Face Outlet Temperature Sensor
K-009	B/3	Air Mass Sensor
K-010	B/6	Internal and External Circulation Servo Motor
K-011	B/6	Mode Damper Servo Motor
K-012	B/3	Left Face Outlet Temperature Sensor
K-013	B/2	Evaporator Temperature Sensor
K-014	B/3	Left Feet Outlet Temperature Sensor
K-015	B/6	Left Temperature Damper Servo Motor
K-018	B/40	Automatic A/C Control Module – B
K-019	Lg/22	Instrument Panel Wire Harness to A/C Wire Harness

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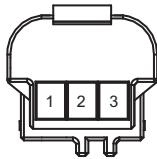
Auto A/C Wire Harness Connector List



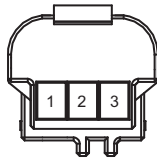
(K-001)
W
A/C CONTROLLER-A



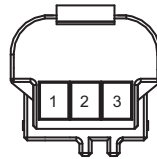
(K-018)
B
A/C CONTROLLER-B



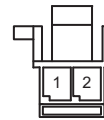
(K-002)
B
RIGHT FEET OUTLET
TEMPERATURE SENSOR



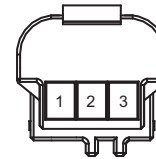
(K-008)
B
RIGHT FACE OUTLET
TEMPERATURE
SENSOR



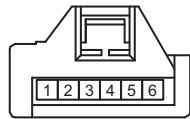
(K-012)
B
LEFT FACE OUTLET
TEMPERATURE
SENSOR



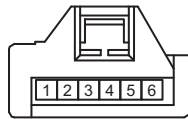
(K-013)
B
EVAPORATOR T
TEMPERATURE
SENSOR



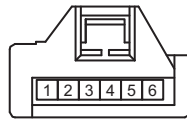
(K-014)
B
LEFT FEET OUTLET
TEMPERATURE
SENSOR



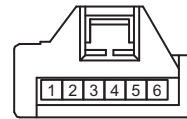
(K-003)
B
RIGHT TEMPERATURE
DAMPER SERVO MOTOR



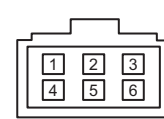
(K-010)
B
INTERNAL AND
EXTERNAL
CIRCULATION
SERVO MOTOR



(K-011)
B
MODE DAMPER
SERVO MOTOR



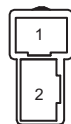
(K-015)
B
LEFT TEMPERATURE
DAMPER SERVO MOTOR



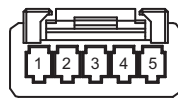
(K-006)
B
A/C CONTROL
MODULE TO A/C
WIRE HARNESS CONNECTOR



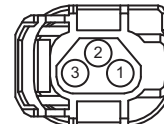
(K-004)
B
BLOWER SPEED
REGULATION MODULE



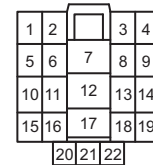
(K-005)
W
BLOWER



(K-007)
B
PM2.5 SENSOR

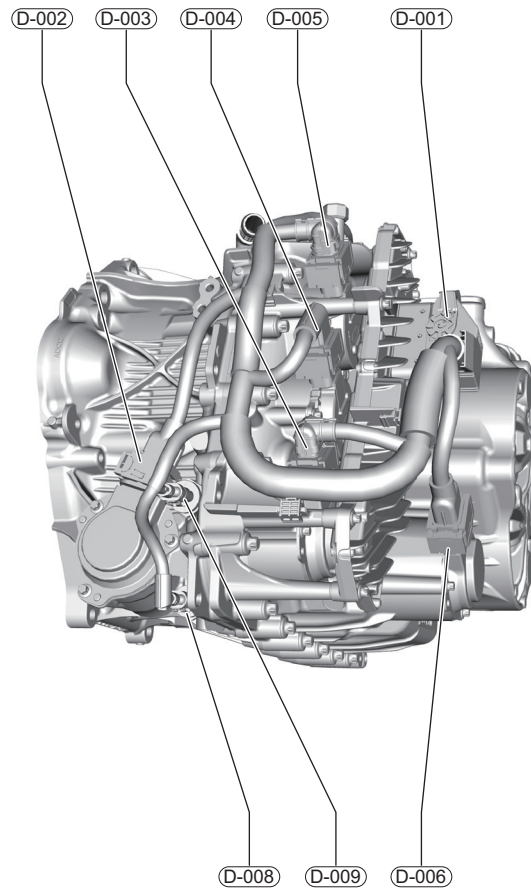


(K-009)
B
AIR MASS SENSOR



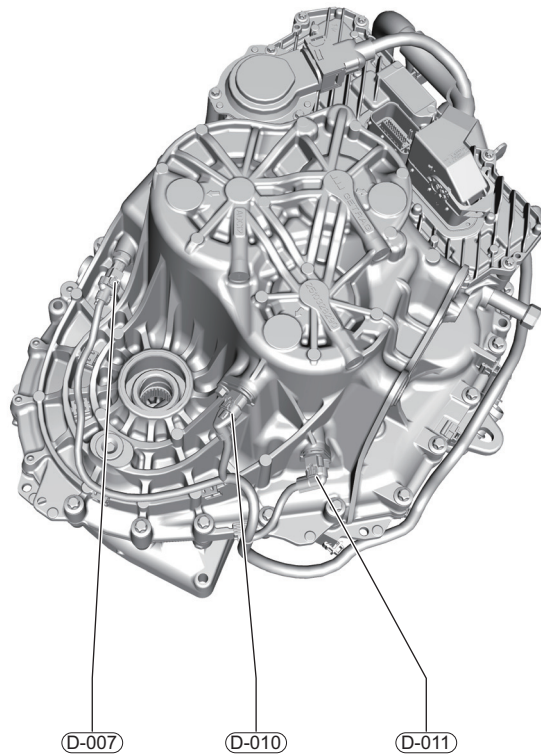
(K-019)
Lg
INSTRUMENT PANEL
WIRE HARNESS TO A/C
WIRE HARNESS

Transmission Wire Harness



WHE040001

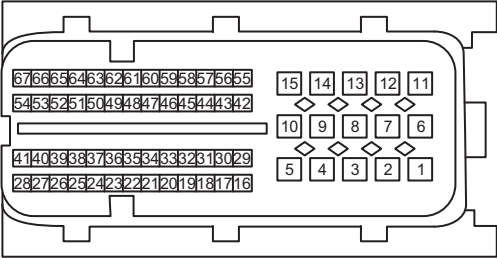
Connector No.	Connector Color/Pin	Connector Name
D-001	B/67	TCU-B
D-002	B/9	Clutch Motor 1
D-003	B/9	Clutch Motor 2
D-004	B/9	Shift Motor 1
D-005	B/9	Shift Motor 2
D-006	B/9	Cooling Motor
D-008	B/3	Pressure Sensor 1
D-009	B/3	Pressure Sensor 2



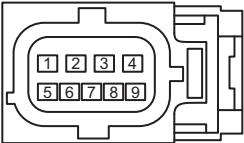
WHE041001

Connector No.	Connector Color/Pin	Connector Name
D-007	B/2	Temperature Sensor
D-010	B/2	Input Shaft Speed Sensor 1
D-011	B/2	Input Shaft Speed Sensor 2

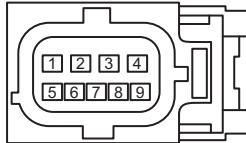
Transmission Wire Harness Connector List



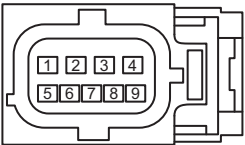
(D-001)
B
TCU-B



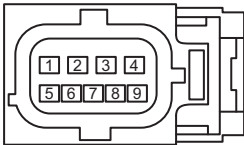
(D-002)
B
CLUTCH MOTOR 1



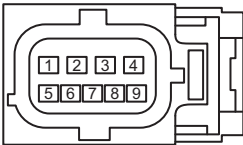
(D-003)
B
CLUTCH MOTOR 2



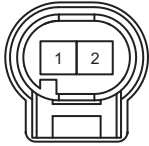
(D-004)
B
SHIFT MOTOR 1



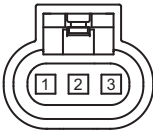
(D-005)
B
SHIFT MOTOR 2



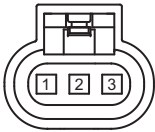
(D-006)
B
COOLING MOTOR



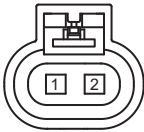
(D-007)
B
TEMPERATURE SENSOR



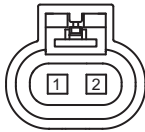
(D-008)
B
PRESSURE SENSOR 1



(D-009)
B
PRESSURE SENSOR 2

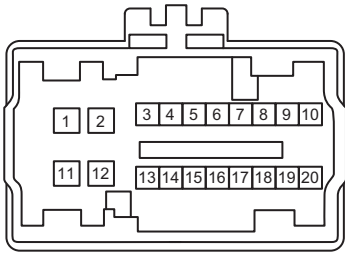


(D-010)
B
INPUT SHAFT SPEED SENSOR 1

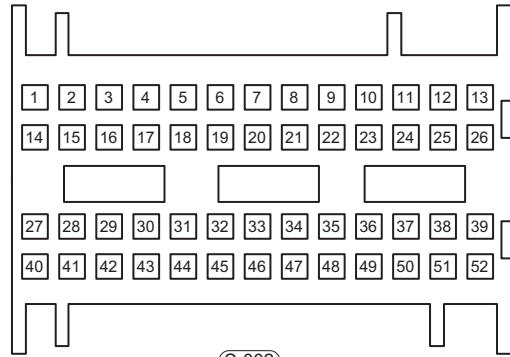


(D-011)
B
INPUT SHAFT SPEED SENSOR 2

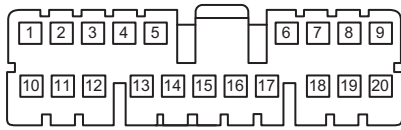
Seat Wire Harness Connector List



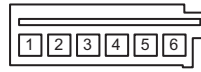
(S-001)
W



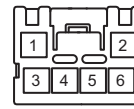
(S-002)
B



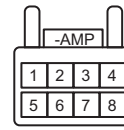
(S-003)
W



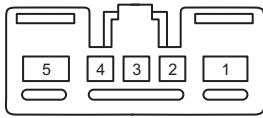
(S-004)
W



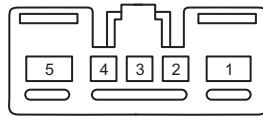
(S-005)
W



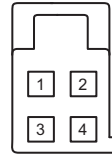
(S-006)
B



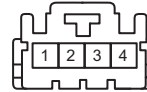
(S-007)
Br



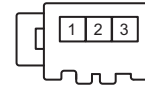
(S-009)
B



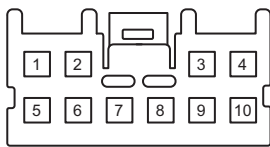
(S-010)
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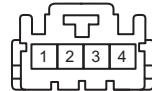
(S-011)
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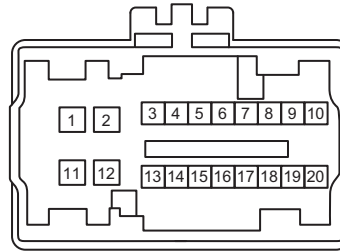
(S-012)
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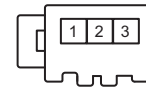
(S-013)
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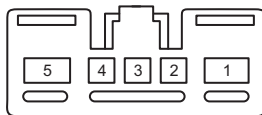
(S-014)
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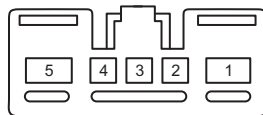
(S-015)
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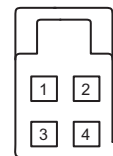
(S-016)
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(S-017)
W



(S-018)
W



(S-019)
W

10

SEE004001

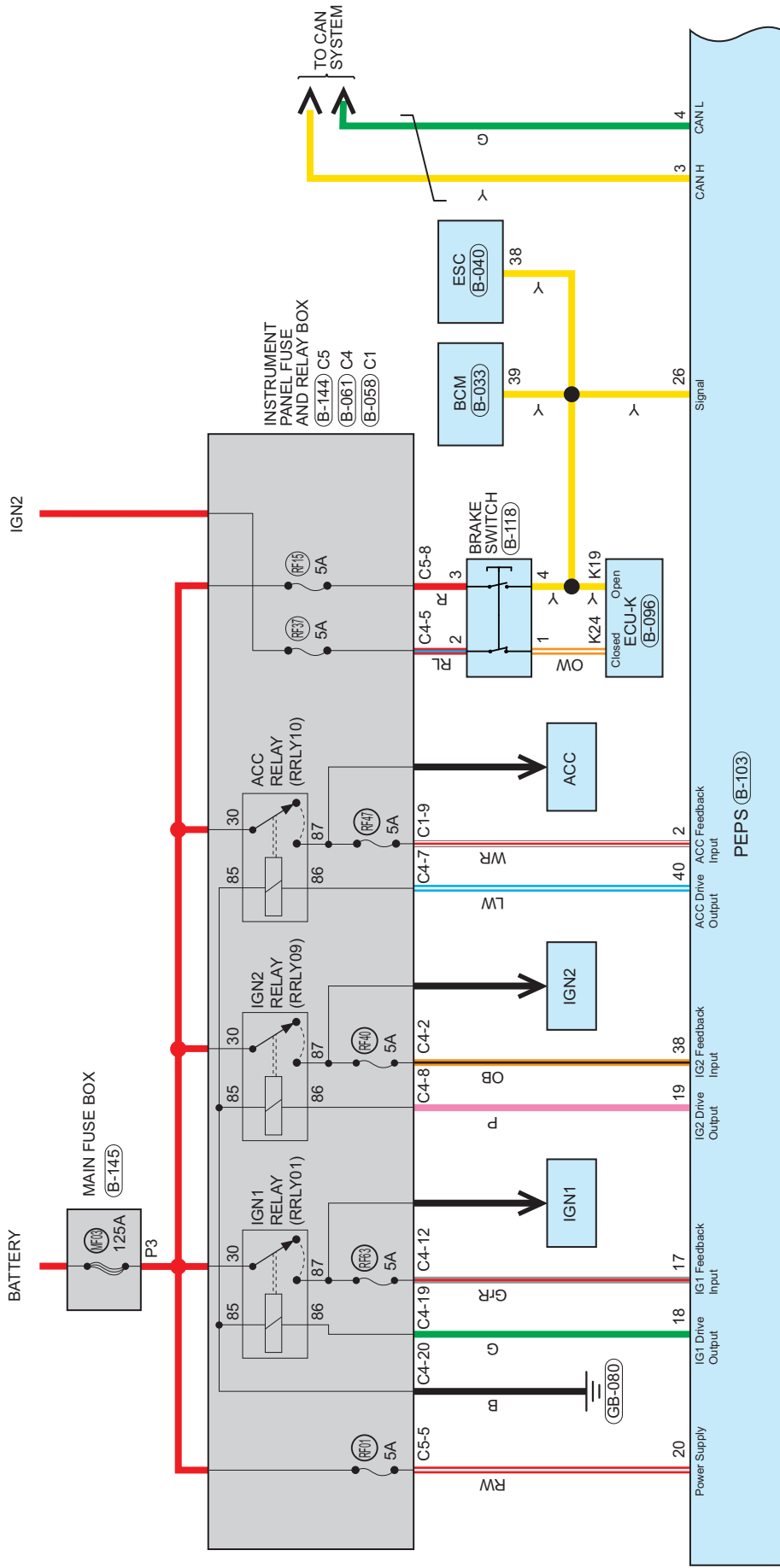
System Circuit Diagram

General information

The section provides circuit diagram information about related system. The information is very important to troubleshoot electrical fault. When troubleshooting any problems, first understand operation of faulty circuit (refer to "system circuit" in related Repair Manual or circuit diagram).

After understanding circuit operation condition, troubleshoot the faulty circuit to find out cause. Then use "Wire 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 related Repair Manual.

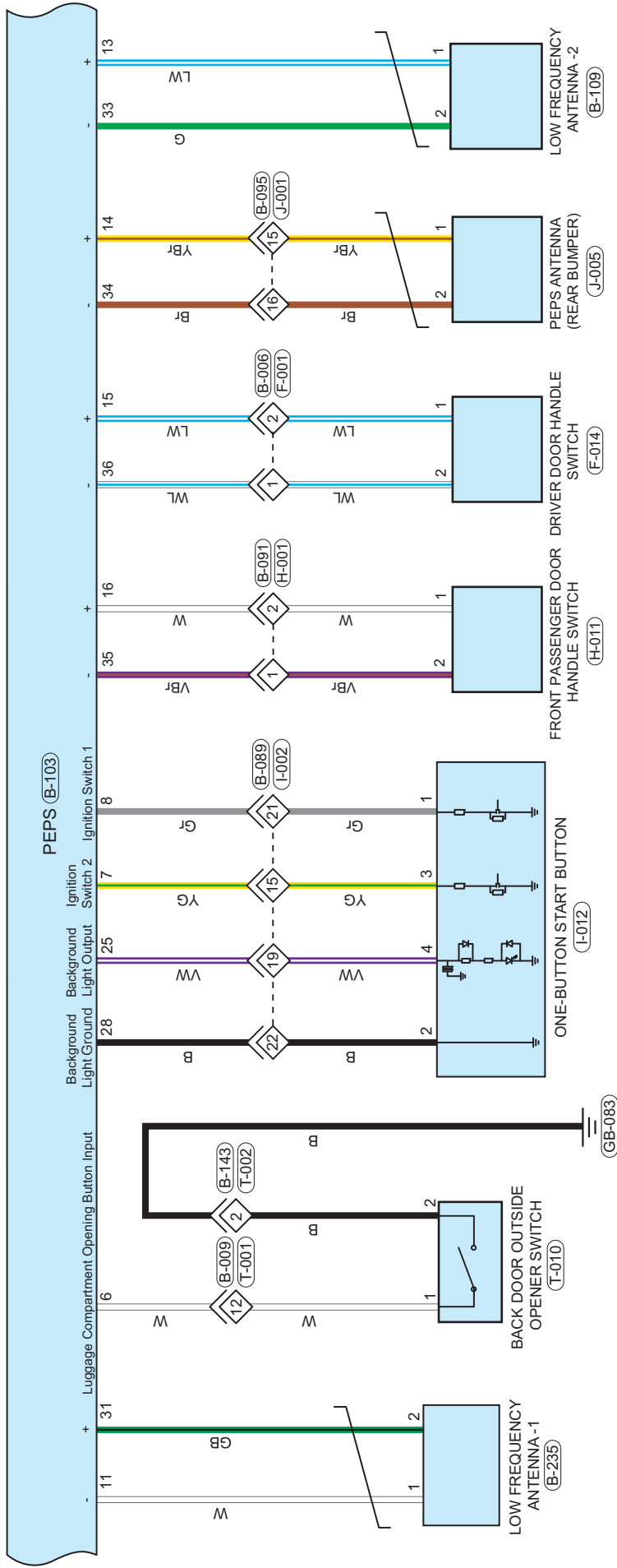
Passive Entry Passive Start System (PEPS)



EWD020001



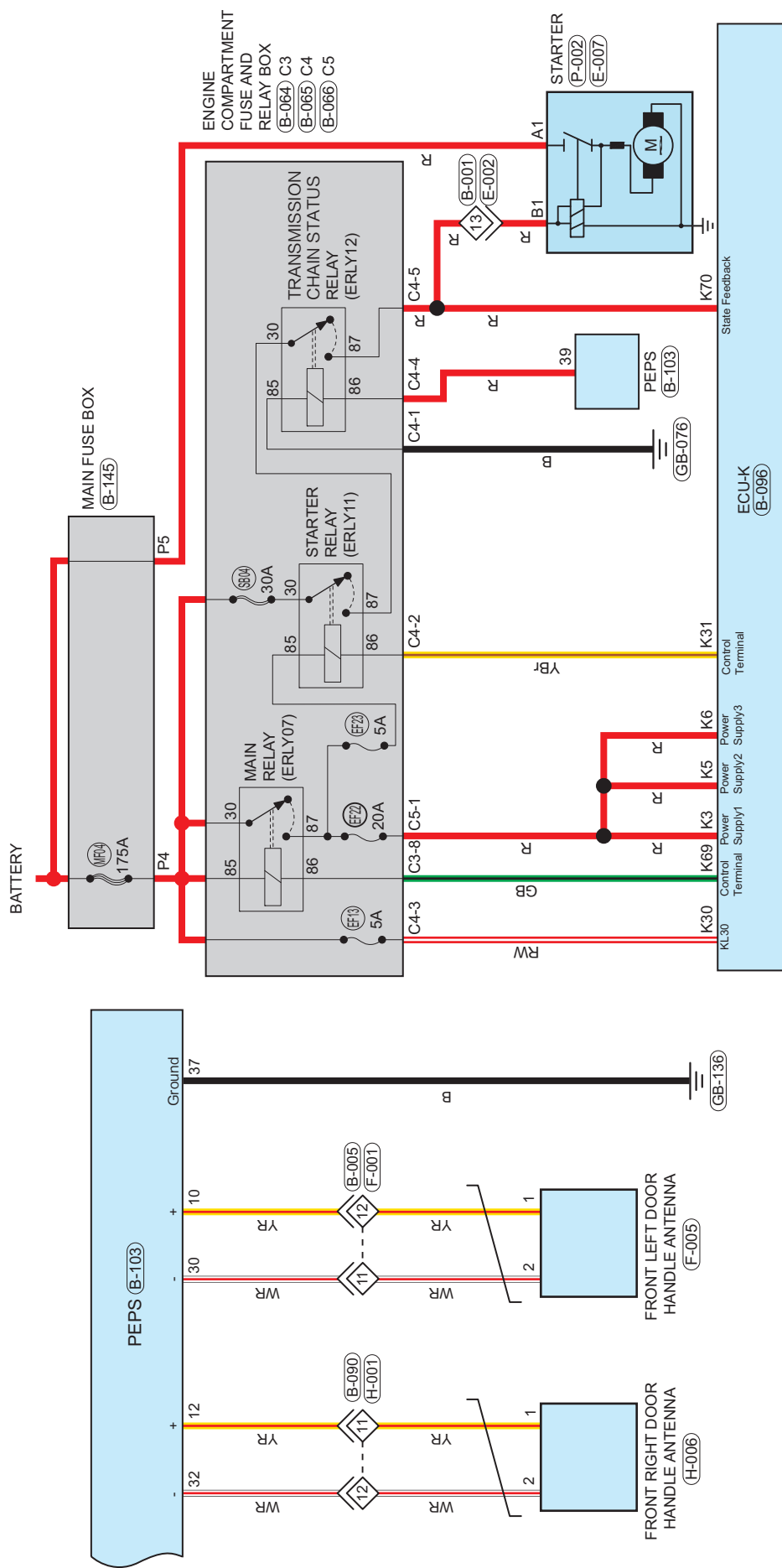
Passive Entry Passive Start System (PEPS)



EWD021001



Passive Entry Passive Start System (PEPS)



EWD021002



Passive Entry Passive Start System (PEPS)

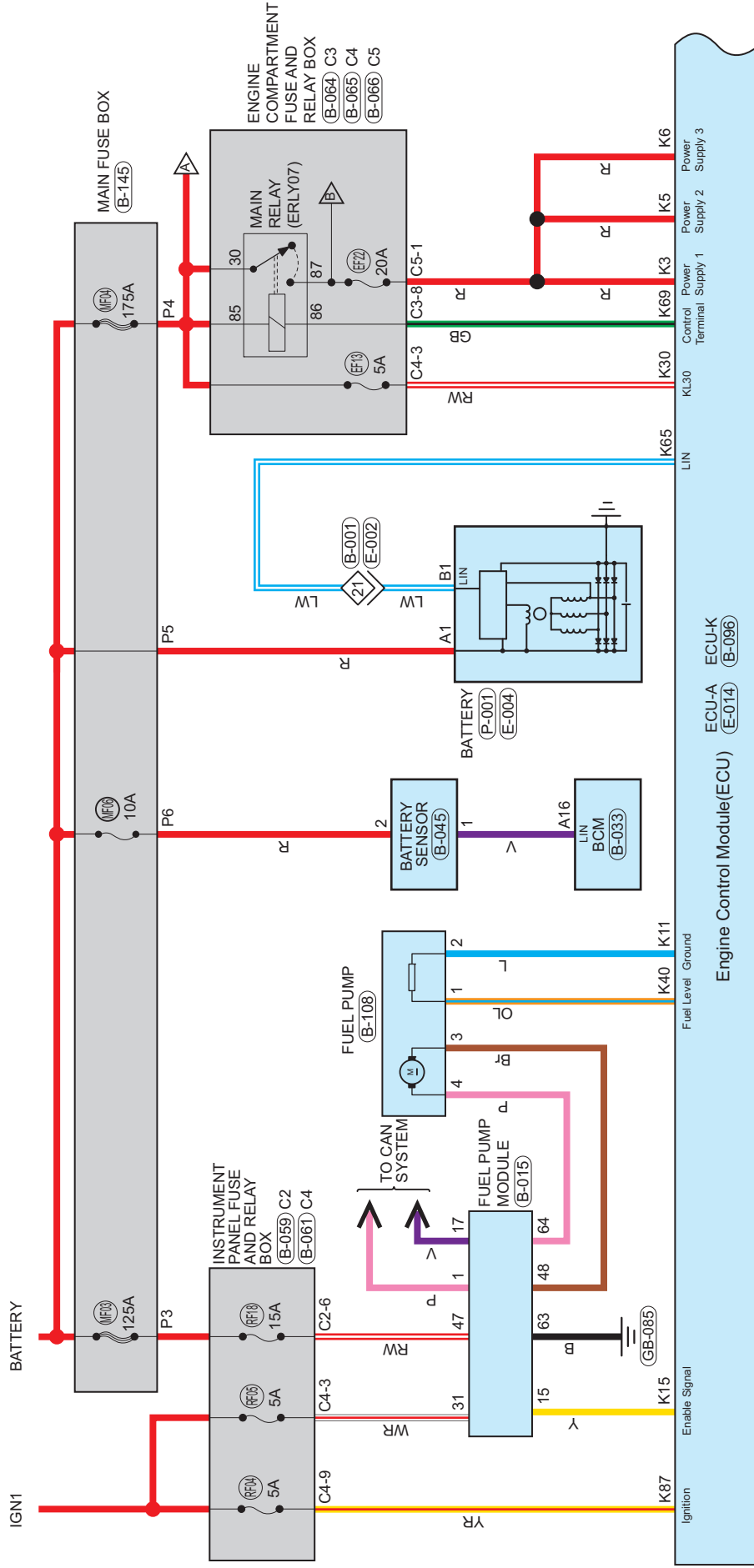
Wire Harness Connector	Appellation	Page Number
B-001	Interior Wire Harness to Engine Wire Harness	10-37
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-005	Interior Wire Harness to Front Left Door Wire Harness 1	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-009	Interior Wire Harness to Back Door Wire Harness 1	10-38
B-033	Body Control Module - A	10-39
B-040	ESC	10-40
B-058	Instrument Panel Fuse Box - 1	10-41
B-061	Instrument Panel Fuse Box - 4	10-41
B-064	Engine Compartment Fuse Box - 3	10-41

Wire Harness Connector	Appellation	Page Number
B-065	Engine Compartment Fuse Box - 4	10-41
B-066	Engine Compartment Fuse Box - 5	10-41
B-089	Interior Wire Harness to Instrument Panel Wire Harness	10-42
B-090	Interior Wire Harness to Front Right Door Wire Harness 1	10-42
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42
B-095	Interior Wire Harness to Rear Bumper Wire Harness	10-43
B-096	ECU-K	10-43
B-103	PEPS Module	10-43
B-109	Low Frequency Antenna - 2	10-44
B-118	Brake Switch	10-44
B-143	Interior Wire Harness to Back Door Wire Harness 2	10-45

Wire Harness Connector	Appellation	Page Number
B-144	Engine Compartment Fuse Box – 1	10-45
B-235	Low Frequency Antenna – 1	10-47
E-007	Starter	10-5
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56
F-005	Front Left Door Handle Antenna	10-56
F-014	Driver Side Door Handle Switch	10-56
GB-076	Ground	10-41
GB-080	Ground	10-41
GB-083	Ground	10-41
GB-136	Ground	10-45
GB-243	Ground	10-47
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-006	Front Right Door Handle Antenna	10-58
H-011	Front Passenger Side Door Handle Switch	10-58

Wire Harness Connector	Appellation	Page Number
I-002	Instrument Panel Wire Harness to Interior Wire Harness 3	10-52
I-012	ENGINE START STOP Switch	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
J-001	Interior Wire Harness to Rear Bumper Wire Harness	10-20
J-005	PEPS Antenna (Rear Bumper)	10-20
P-002	Starter Power Supply	10-14
T-001	Interior Wire Harness to Back Door Wire Harness 1	10-64
T-002	Interior Wire Harness to Back Door Wire Harness 2	10-64
T-010	Back Door Outside Opener Switch	10-64

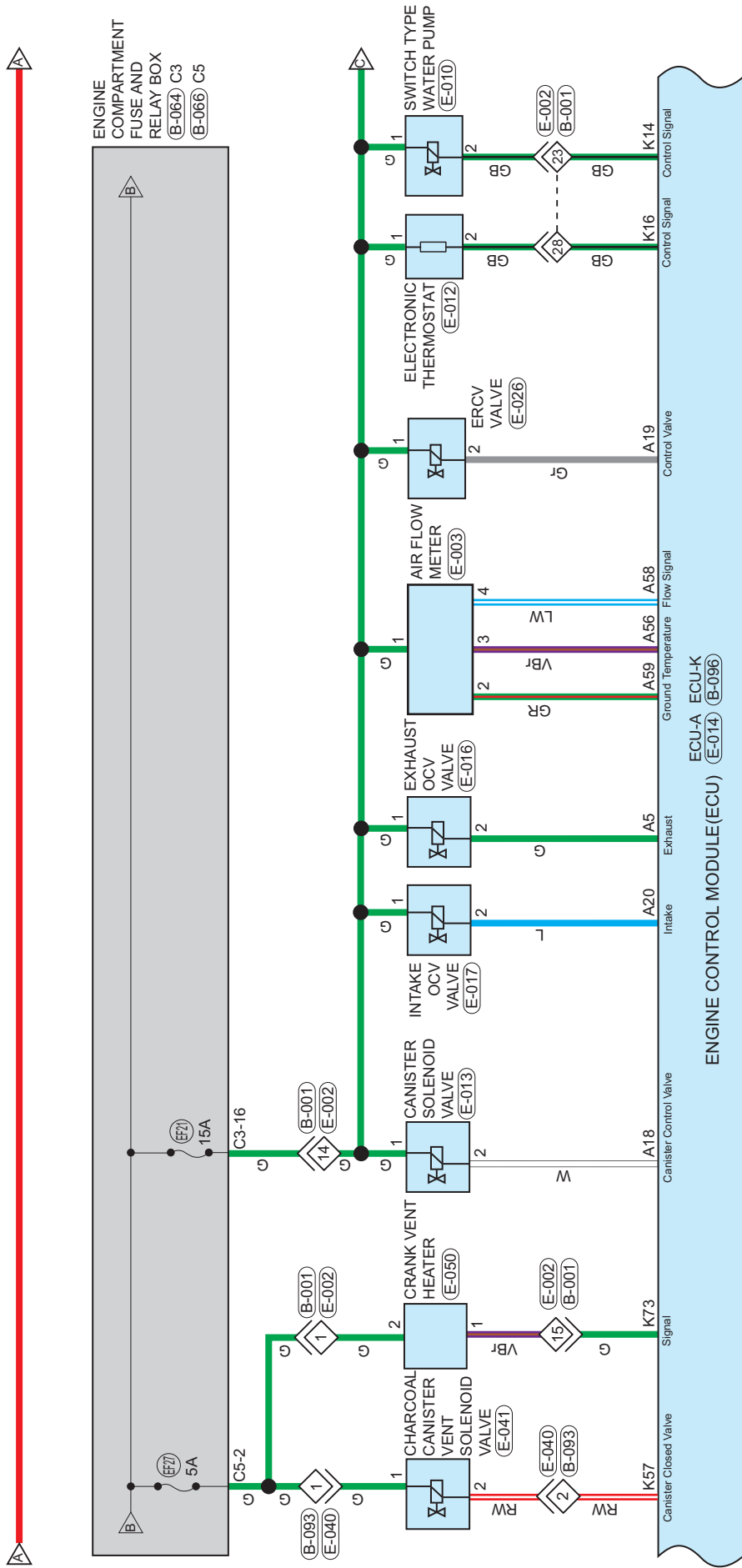
Engine Control System (EMS)



EWD010001



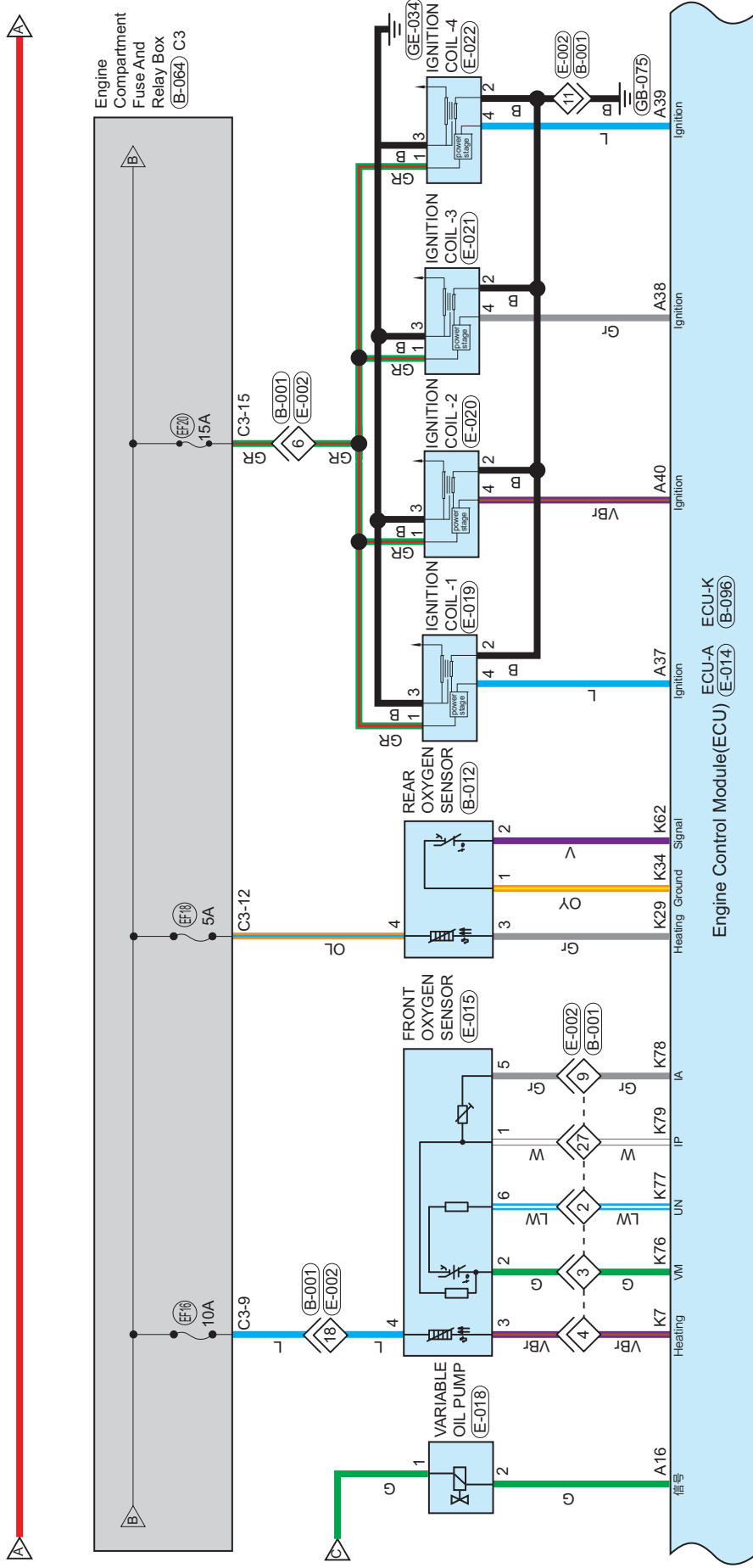
Engine Control System (EMS)



EWD011001



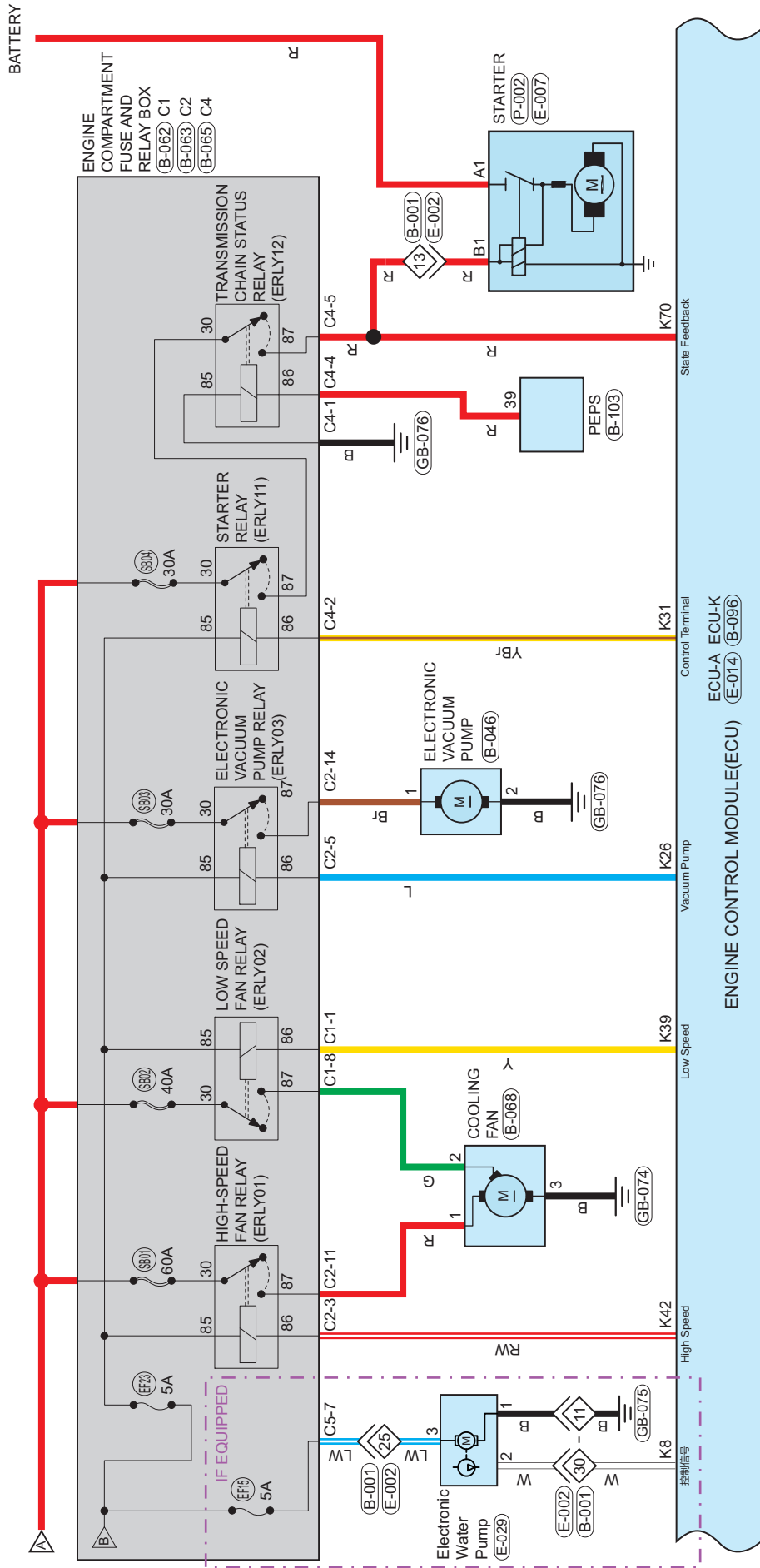
Engine Control System (EMS)



EWD012001



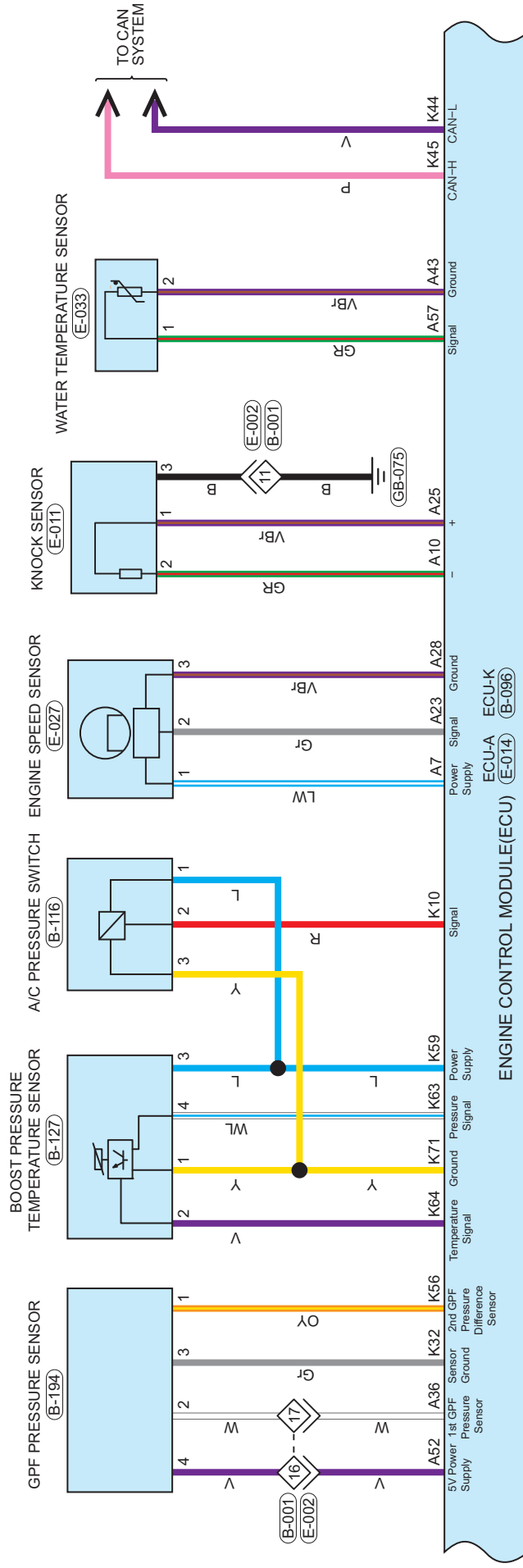
Engine Control System (EMS)



EWD013001



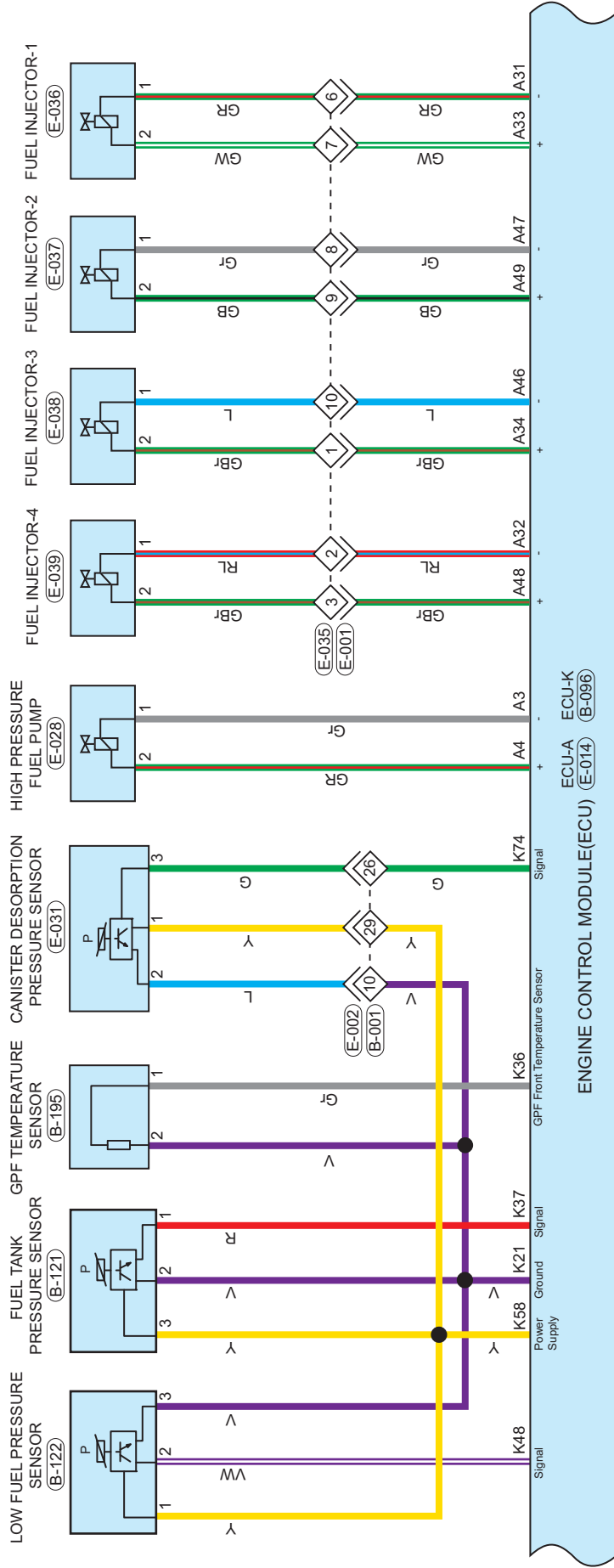
Engine Control System (EMS)



EWD014001



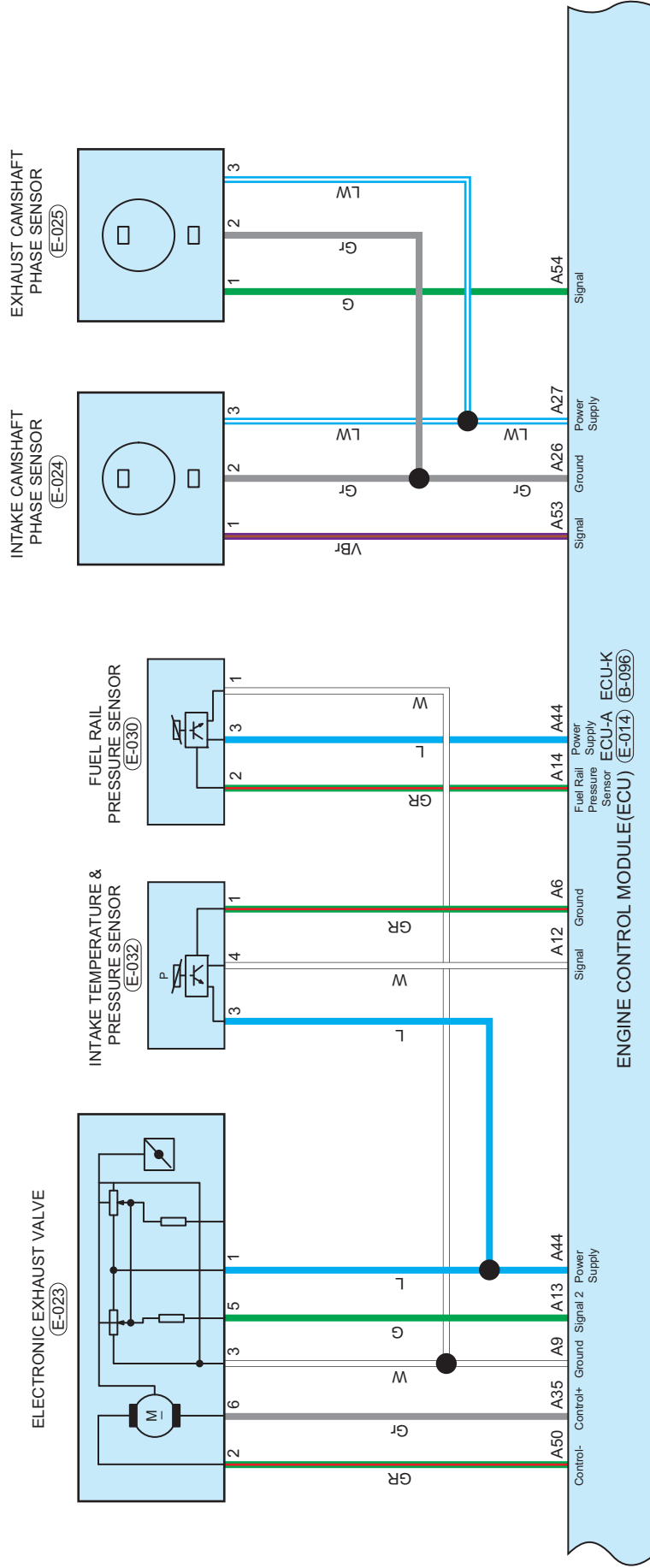
Engine Control System (EMS)



EWD015001



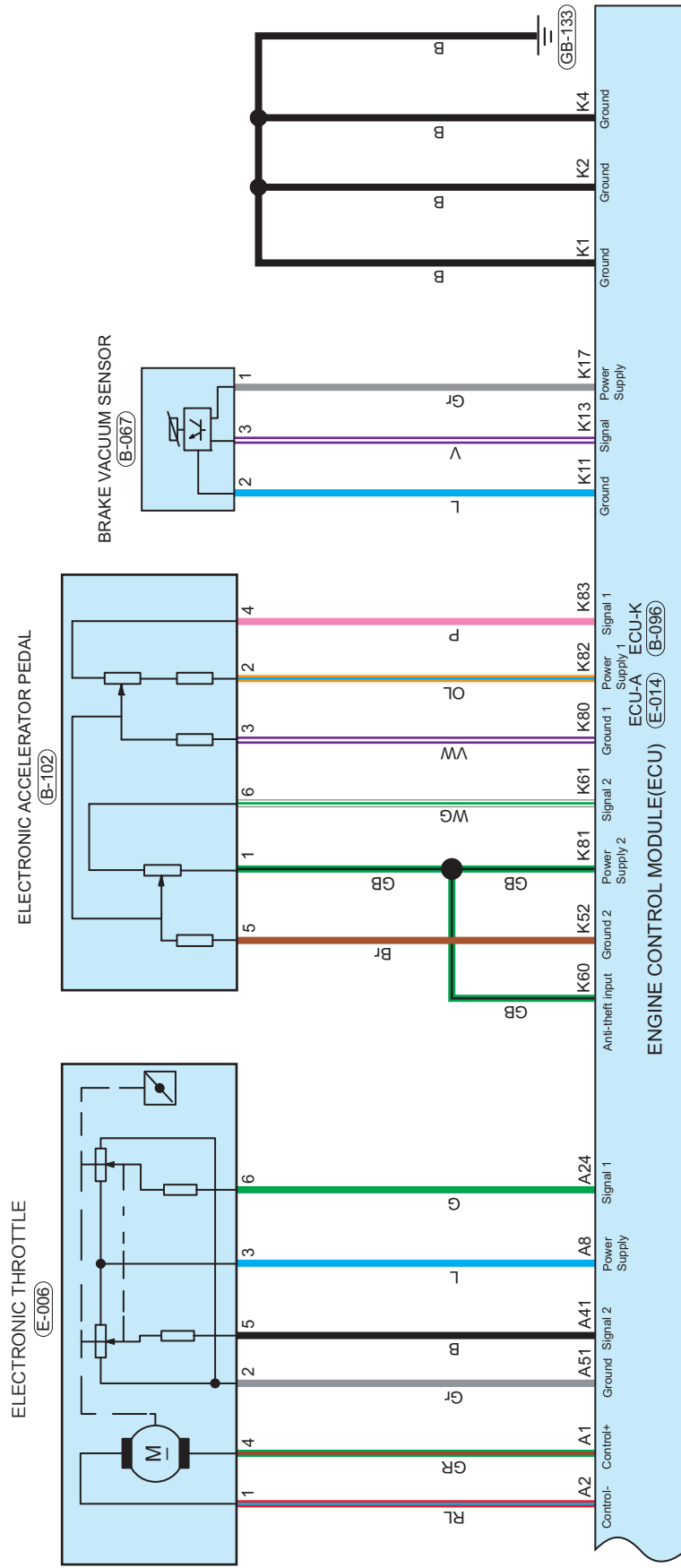
Engine Control System (EMS)



EWD016001



Engine Control System (EMS)



EWD016002



Engine Control System (EMS)

Wire Harness Connector	Appellation	Page Number
B-059	Instrument Panel Fuse Box – 2	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-015	Fuel Pump Module	10-38
B-108	Fuel Pump	10-44
B-045	Battery Sensor	10-40
B-033	Body Control Module – A	10-39
E-014	ECU-A	10-6
B-096	ECU-K	10-38
P-001	Battery	10-14
E-004	Generator Excitation	10-5
B-001	Interior Wire Harness to Engine Wire Harness	10-37
E-002	Engine Wire Harness to Interior Wire Harness	10-5
B-064	Engine Compartment Fuse Box – 3	10-41
B-065	Engine Compartment Fuse Box – 4	10-41

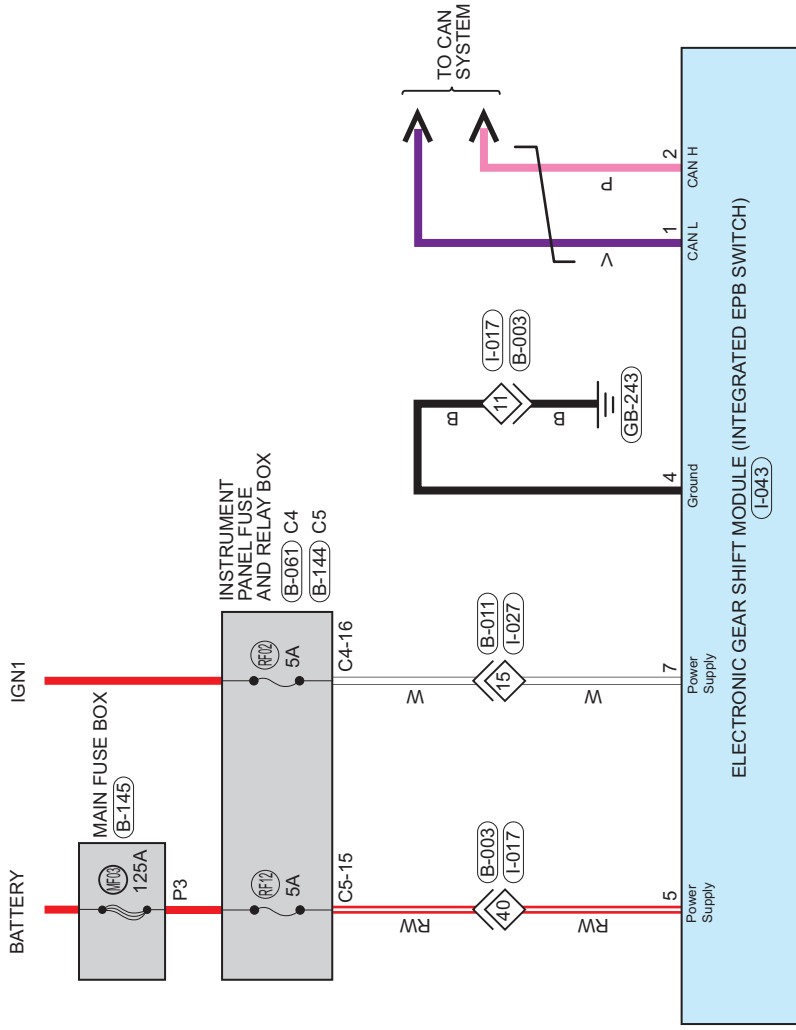
Wire Harness Connector	Appellation	Page Number
B-066	Engine Compartment Fuse Box – 5	10-41
GB-085	Ground Point G2.10	10-42
B-093	Interior Wire Harness to Charcoal Canister Wire Harness	10-43
E-040	Charcoal Canister Wire Harness to Interior Wire Harness	10-16
E-041	Charcoal Canister Vent Solenoid Valve	10-16
E-050	Crank Vent Heater	10-6
E-013	Canister Solenoid Valve	10-5
E-017	Intake OCV valve	10-6
E-016	Exhaust OCV valve	10-6
E-003	Air Flow Meter	10-5
E-026	ERCV Valve	10-6
E-012	Electronic Thermostat	10-5
E-010	Switch Type Water Pump	10-5
E-018	Variable Oil Pump	10-6
E-015	Front Oxygen Sensor	10-5

Wire Harness Connector	Appellation	Page Number
B-012	Rear Oxygen Sensor	10-5
E-019	Ignition Coil – 1	10-6
E-020	Ignition Coil – 2	10-6
E-021	Ignition Coil – 3	10-6
E-022	Ignition Coil – 4	10-6
GB-075	Ground Point G1.3	10-41
GE-034	Ground Point G1.11	10-6
B-062	Engine Compartment Fuse Box – 1	10-41
B-063	Engine Compartment Fuse Box – 2	10-41
B-068	Cooling Fan	10-41
B-046	Electronic Vacuum Pump	10-40
B-103	PEPS	10-43
P-002	Starter Power Supply	10-14
E-007	Starter	10-5
GB-076	Ground Point G1.4	10-41
GB-074	Ground Point G1.2	10-41
B-194	GPF Pressure Sensor	10-46
B-127	Boost Pressure Temperature Sensor	10-45
B-116	A/C Pressure Switch	10-44

Wire Harness Connector	Appellation	Page Number
E-027	Engine Speed Sensor	10-6
E-011	Knock Sensor	10-5
E-033	Water Temperature Sensor	10-6
GB-075	Ground Point G1.3	10-41
B-122	Low Fuel Pressure Sensor	10-44
B-121	Fuel Tank Pressure Sensor	10-44
B-195	GPF Temperature Sensor	10-46
E-031	Canister Desorption Pressure Sensor	10-6
E-028	High Pressure Fuel Pump	10-6
E-039	Fuel Injector – 4	10-8
E-038	Fuel Injector – 3	10-8
E-037	Fuel Injector – 2	10-8
E-036	Fuel Injector – 1	10-8
E-035	Injection Nozzle Wire Harness to Engine Wire Harness	10-8
E-001	Engine Wire Harness to Injection Nozzle Wire Harness	10-5

Wire Harness Connector	Appellation	Page Number
E-023	Electronic Exhaust Valve	10-6
E-032	Intake Temperature & Pressure Sensor	10-6
E-030	Fuel Rail Pressure Sensor	10-6
E-024	Intake Camshaft Phase Sensor	10-6
E-025	Exhaust Camshaft Phase Sensor	10-6
E-006	Electronic Throttle	10-5
B-102	Electronic Accelerator Pedal	10-43
B-067	Brake Vacuum Sensor	10-41
GB-133	Ground Point G1.8	10-45
E-029	Electronic Water Pump	10-3

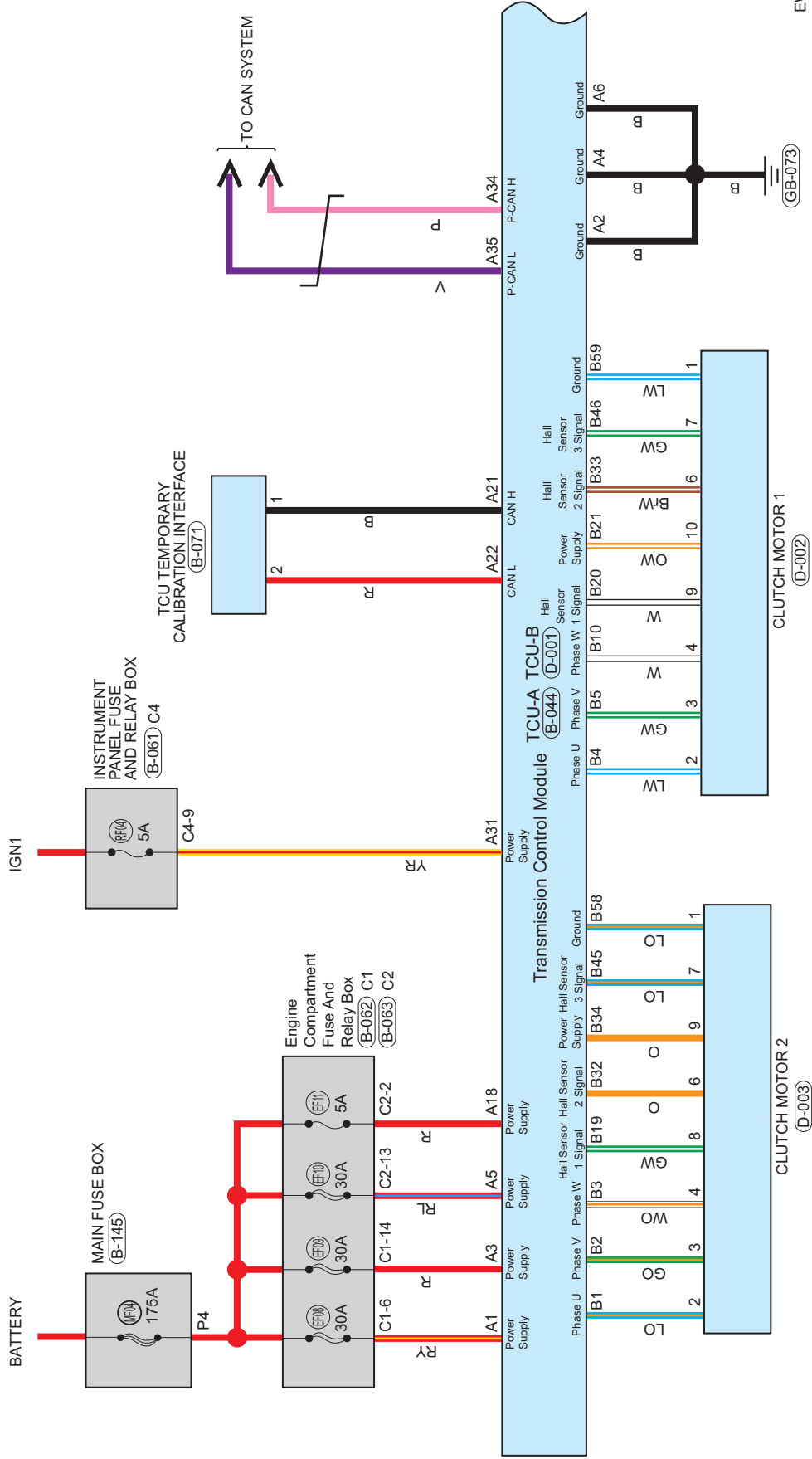
Electronic Gearshift Module (EGS)



Electronic Gearshift Module (EGS)

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-011	Interior Wire Harness to Instrument Panel Wire Harness 3	10-38
B-061	Instrument Panel Fuse Box - 4	10-41
B-144	Engine Compartment Fuse Box - 1	10-45
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-027	Instrument Panel Wire Harness to Interior Wire Harness 3	10-53
I-043	Electronic Gearshift Module (Integrated EPB Switch)	10-54
GB-243	Ground	10-47

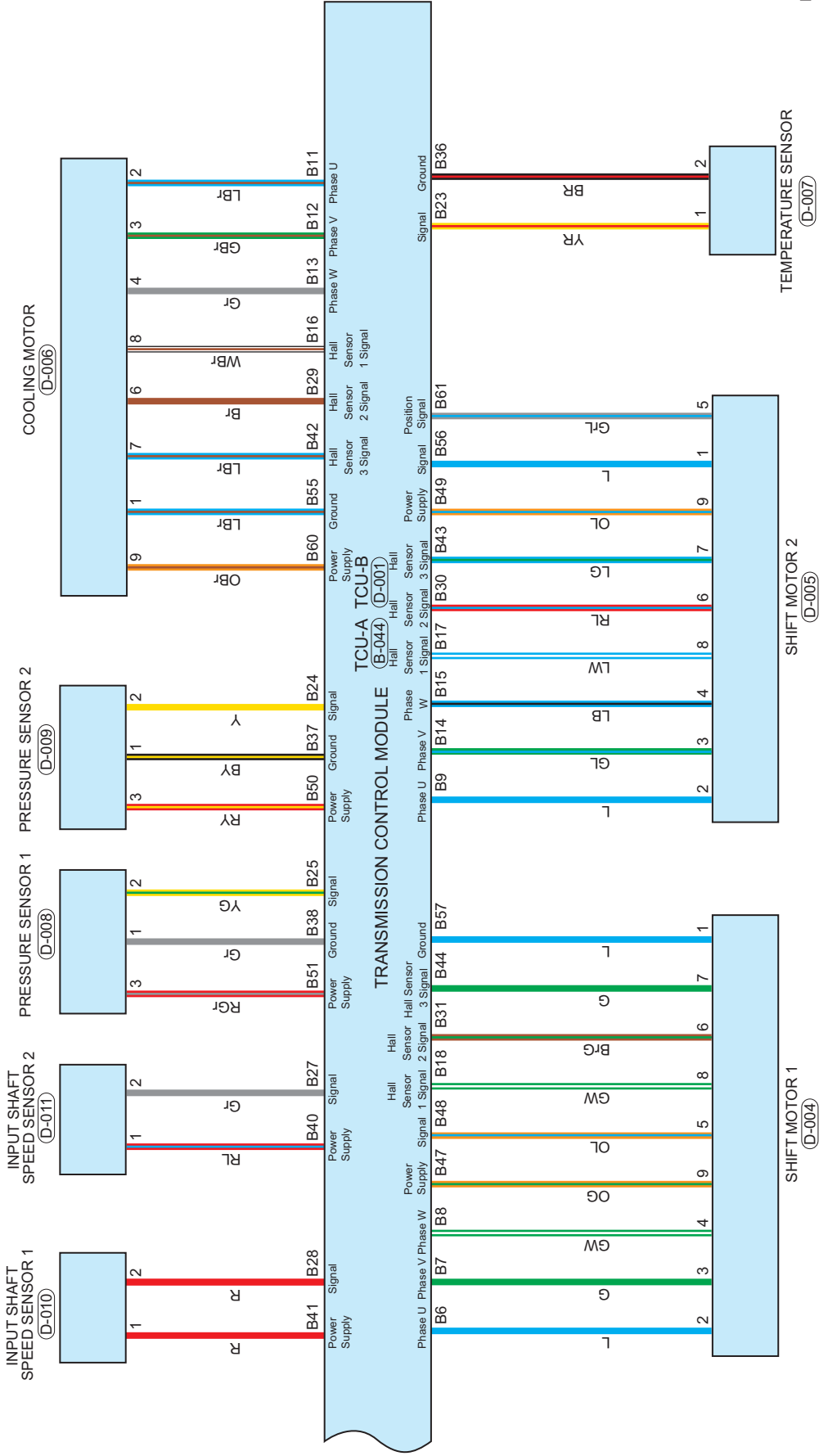
Transmission Control System (TCU)



EWD017001



Transmission Control System (TCU)



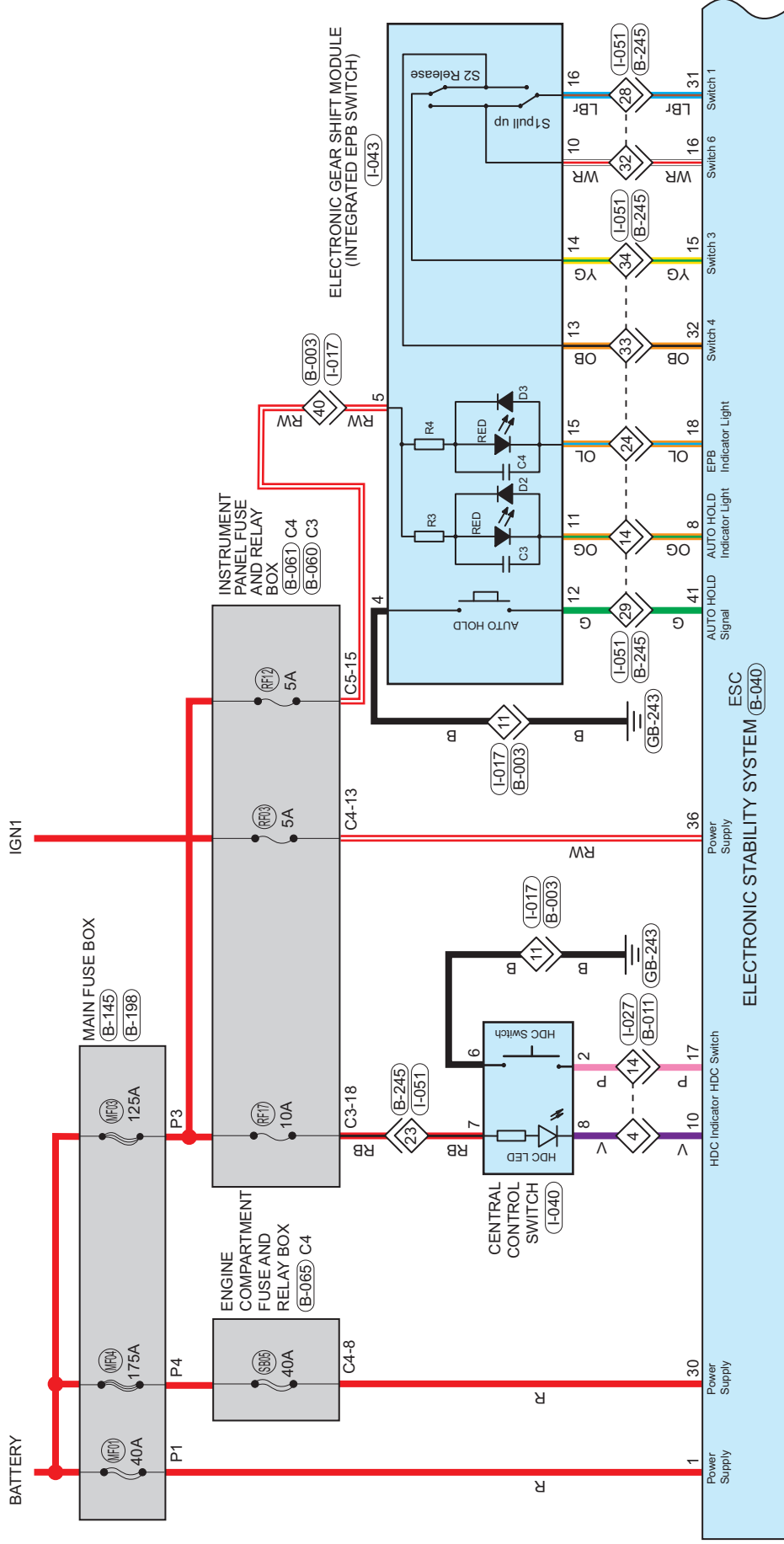
EWD018001



Transmission Control System (TCU)

Wire Harness Connector	Appellation	Page Number
B-044	TCU-A	10-40
B-061	Instrument Panel Fuse Box - 4	10-41
B-062	Engine Compartment Fuse Box - 1	10-41
B-063	Engine Compartment Fuse Box - 2	10-41
D-001	TCU-B	10-69
D-002	Clutch Motor 1	10-69
D-003	Clutch Motor 2	10-69
D-004	Shift Motor 1	10-69
D-005	Shift Motor 2	10-69
D-006	Cooling Motor	10-69
D-007	Temperature Sensor	10-69
D-008	Pressure Sensor 1	10-69
D-009	Pressure sensor 2	10-69
D-010	Input Shaft Speed Sensor 1	10-69
D-011	Input Shaft Speed Sensor 2	10-69
GB-073	Ground	10-41

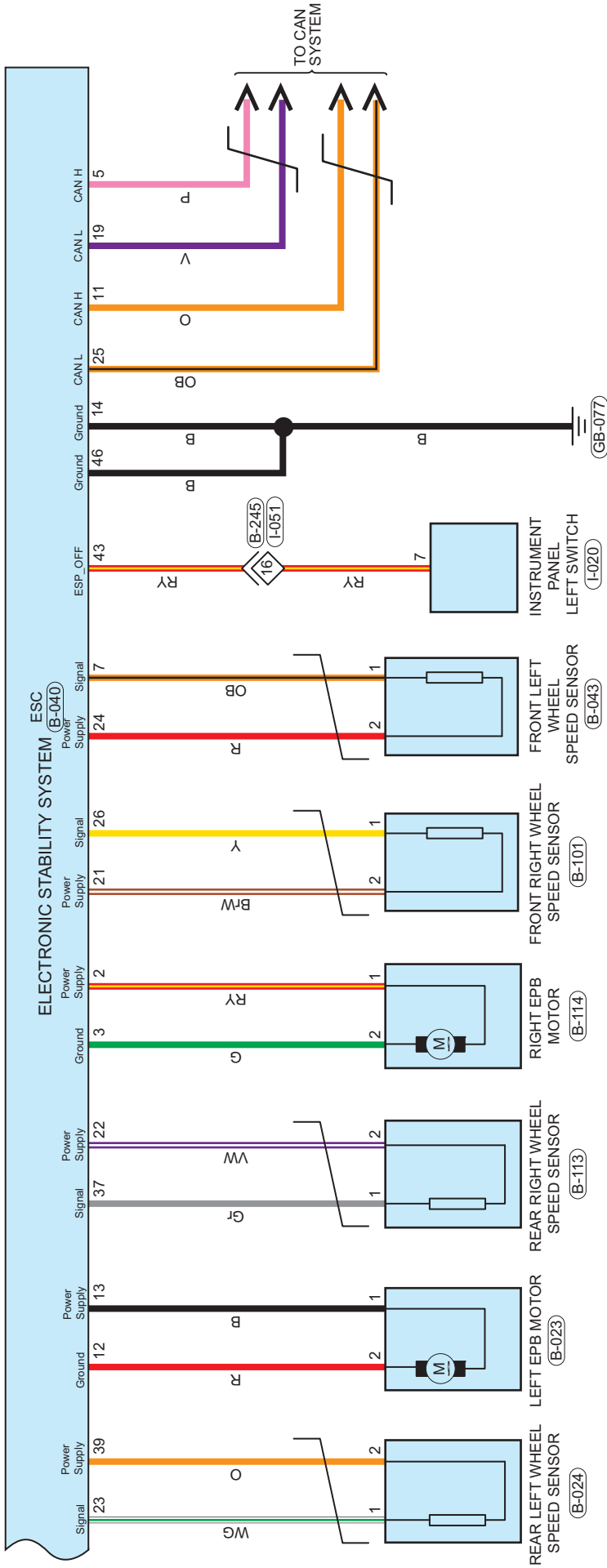
Electronic Stability System (ESP&EPB)



EWD022001



Electronic Stability System (ESP&EPB)



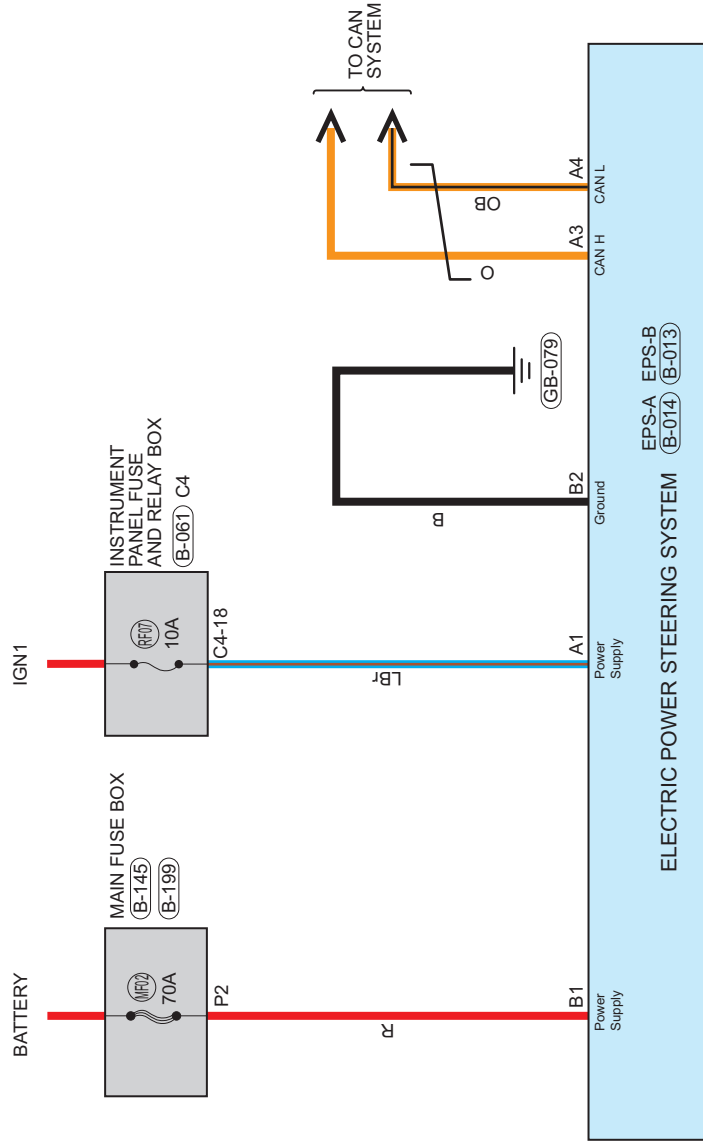
Electronic Stability System (ESP&EPB)

Wire Harness Connector	Appellation	Page Number
B-002	Interior Wire Harness to Instrument Panel Wire Harness 1	10-47
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-011	Interior Wire Harness to Instrument Panel Wire Harness 3	10-38
B-023	Left EPB motor	10-39
B-024	Rear Left Wheel Speed Sensor	10-39
B-040	ESC	10-40
B-043	Front Left Wheel Speed Sensor	10-40
B-060	Instrument Panel Fuse Box – 3	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-065	Engine Compartment Fuse Box – 4	10-41

Wire Harness Connector	Appellation	Page Number
B-101	Front Right Wheel Speed Sensor	10-43
B-113	Rear Right Wheel Speed Sensor	10-44
B-114	Right EPB Motor	10-44
B-118	Brake Switch	10-44
B-144	Engine Compartment Fuse Box – 1	10-45
I-001	Instrument Panel Wire Harness to Interior Wire Harness 1	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-020	Instrument Panel Left Switch	10-53
I-027	Instrument Panel Wire Harness to Interior Wire Harness 3	10-53
I-040	Central Control Switch	10-54
I-043	Electronic Gearshift Module (Integrated EPB Switch)	10-54

Wire Harness Connector	Appellation	Page Number
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
GB-077	Ground	10-41
GB-243	Ground	10-47

Electric Power Steering System (EPS)



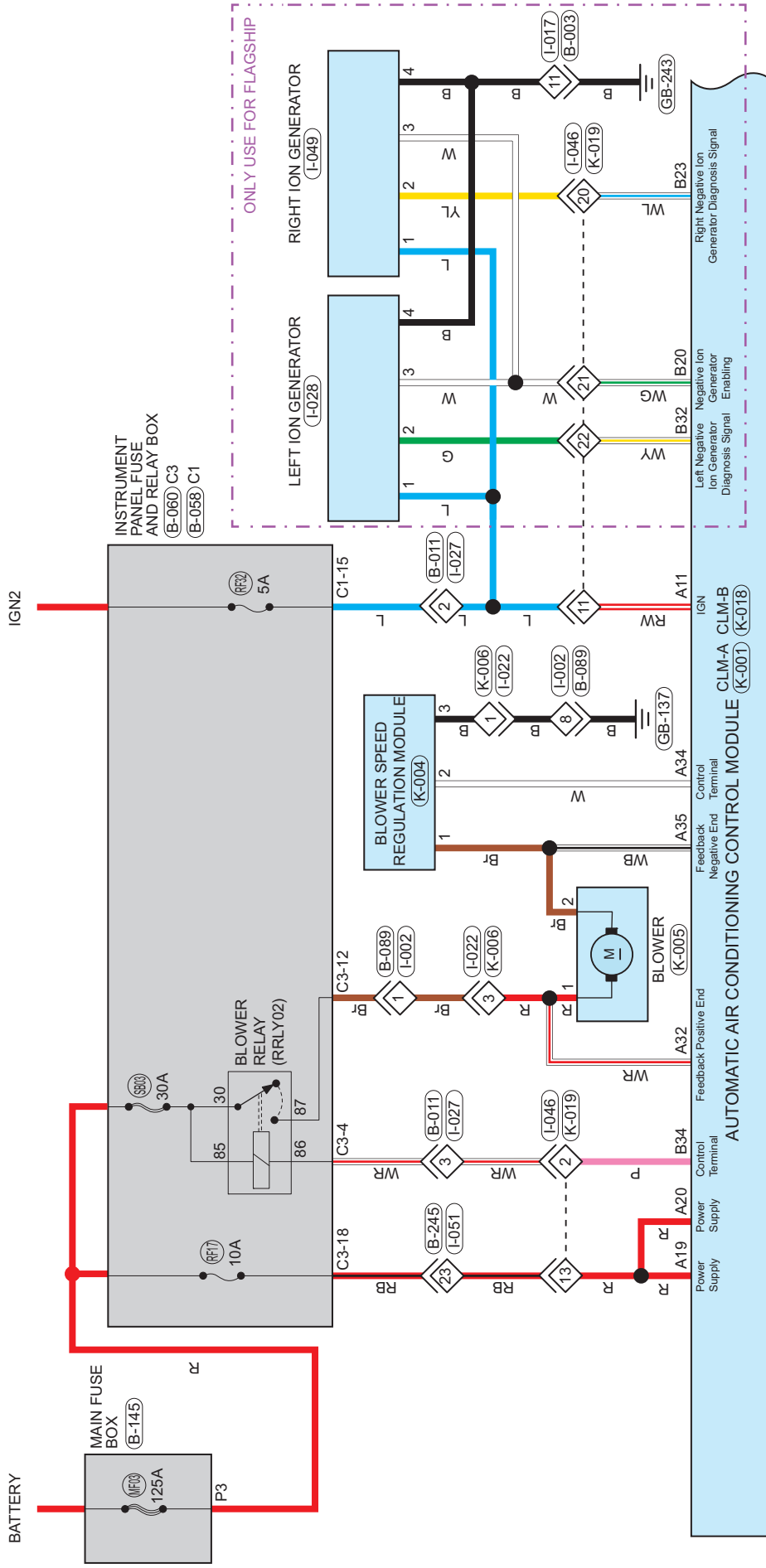
EWD019002



Electric Power Steering System (EPS)

Wire Harness Connector	Appellation	Page Number
B-013	EPS-B	10-38
B-014	EPS-A	10-38
B-061	Instrument Panel Fuse Box - 4	10-41
GB-079	Ground	10-41

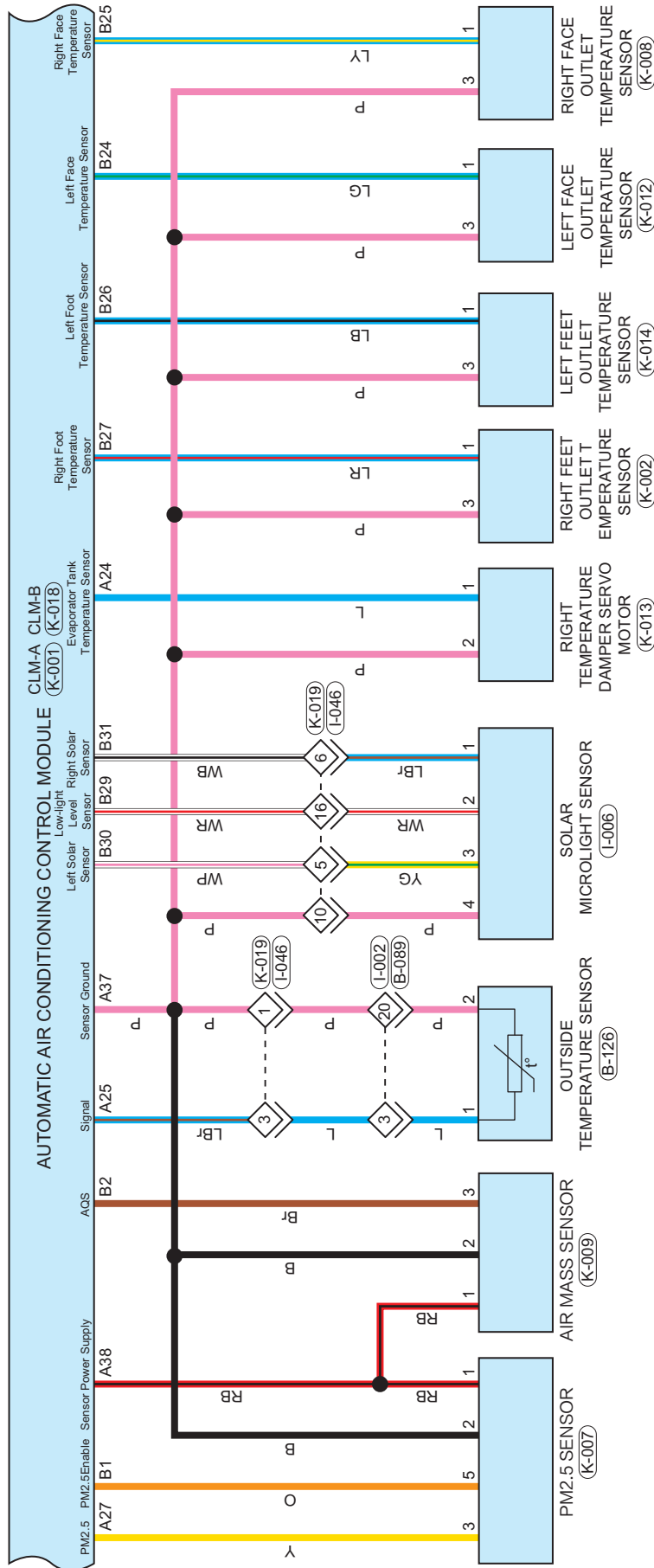
Automatic A/C Control System (CLM)



EWD024001



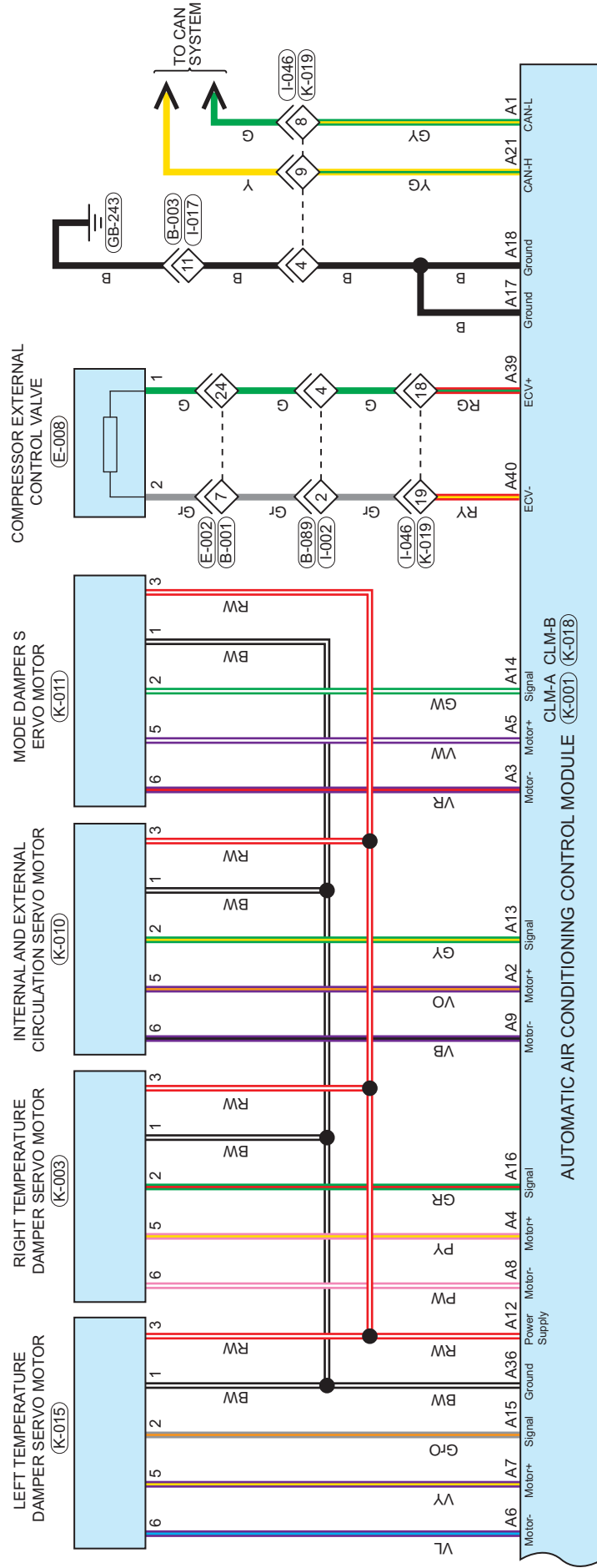
Automatic A/C Control System (CLM)



EWD025001



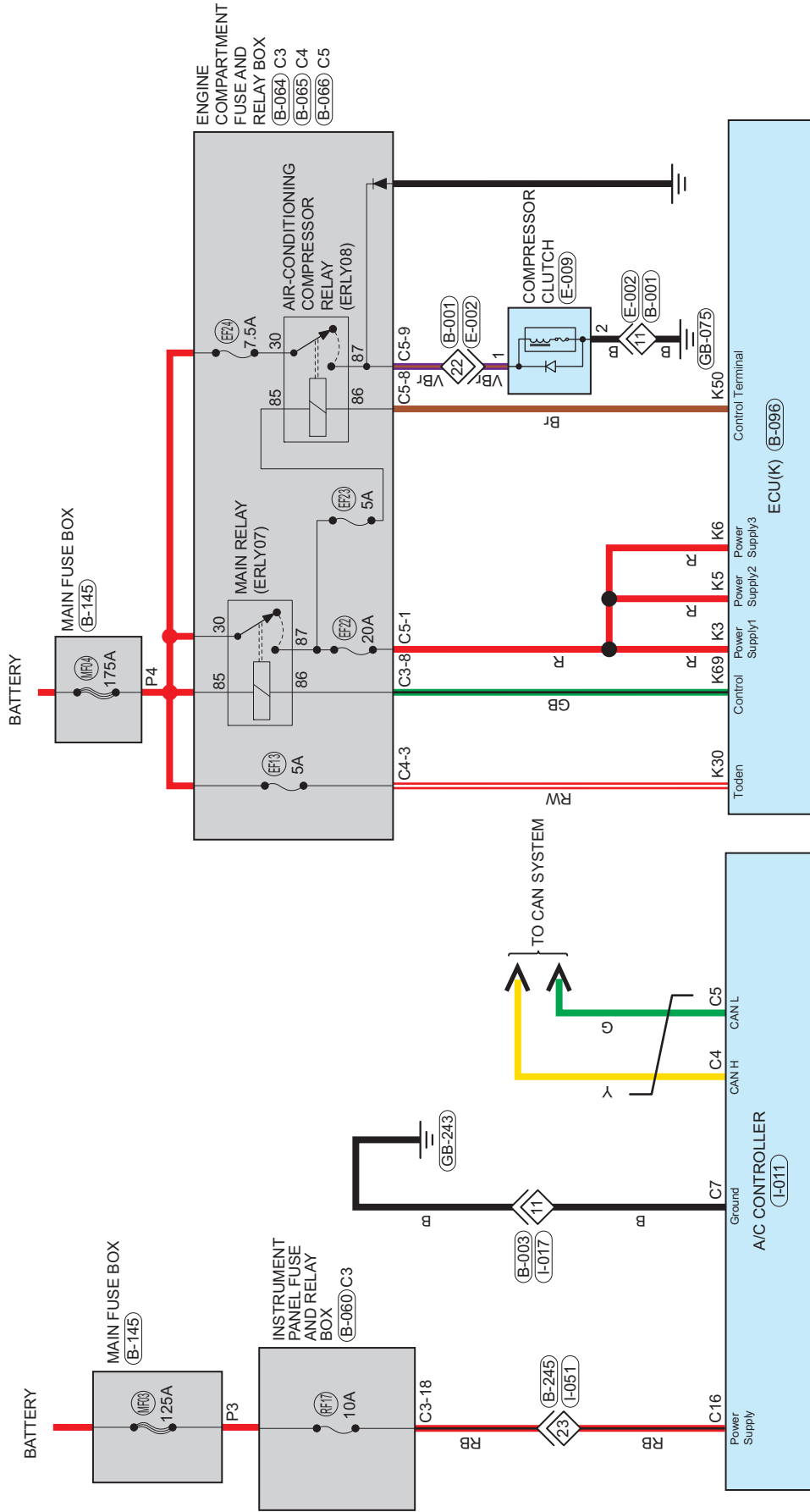
Automatic A/C Control System (CLM)



EWD026001



Automatic A/C Control System (AIPM) (Compressor Clutch)



EWD026002



Automatic A/C Control System (CLM)

Wire Harness Connector	Appellation	Page Number
B-001	Interior Wire Harness to Engine Wire Harness	10-37
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-011	Interior Wire Harness to Instrument Panel Wire Harness 3	10-38
B-058	Instrument Panel Fuse Box – 1	10-41
B-060	Instrument Panel Fuse Box – 3	10-41
B-064	Engine Compartment Fuse Box – 3	10-41
B-065	Engine Compartment Fuse Box – 4	10-41
B-066	Engine Compartment Fuse Box – 5	10-41
B-096	ECU-K	10-43
B-126	Outside Temperature Sensor	10-45

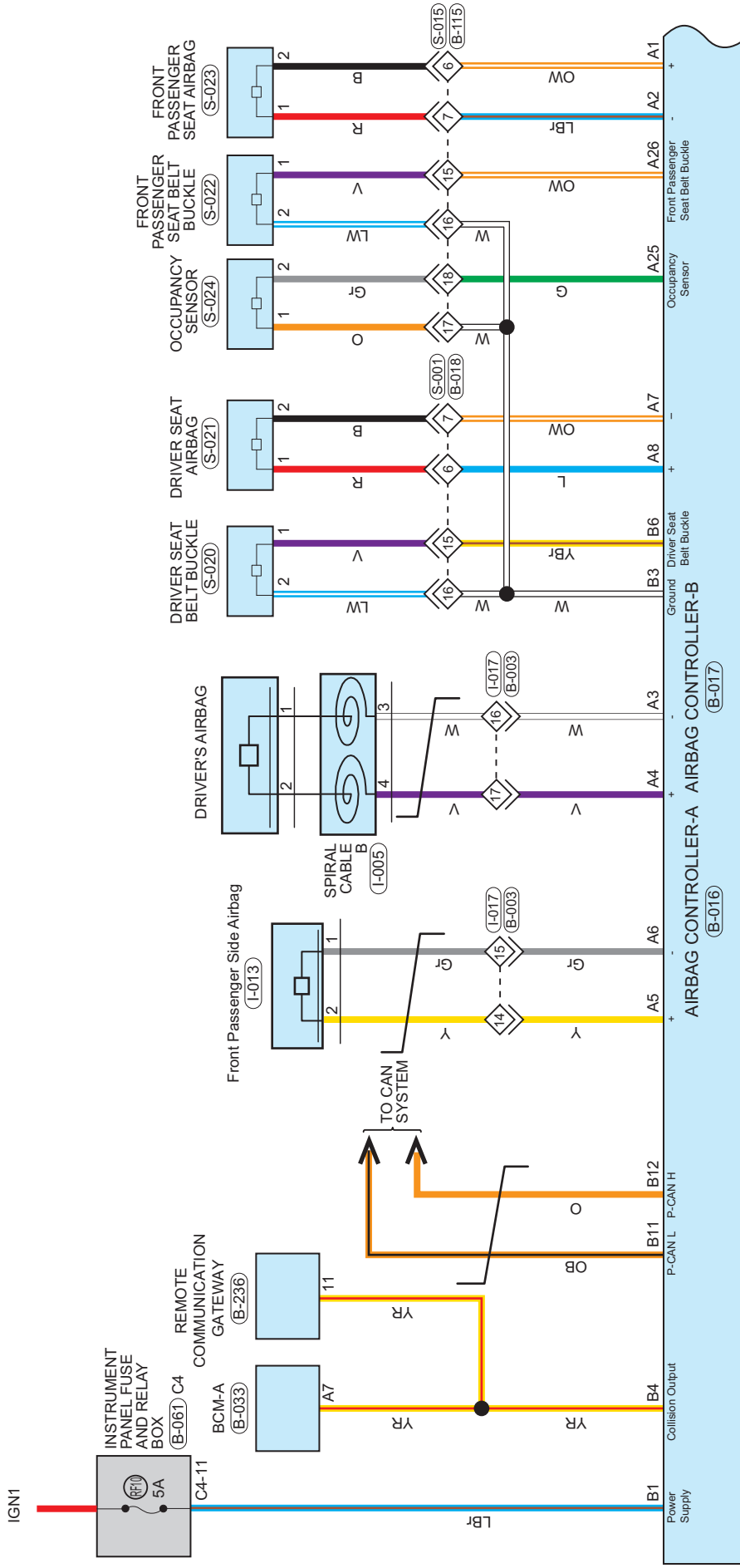
Wire Harness Connector	Appellation	Page Number
E-008	Compressor External Control Valve	10-5
E-009	Compressor Clutch	10-5
I-002	Instrument Panel Wire Harness to Interior Wire Harness 3	10-52
I-006	Solar Microlight Sensor	10-52
I-011	A/C Control Panel (AIPM)	10-52
I-022	Instrument Panel Wire Harness to A/C Wire Harness (Blower)	10-53
I-028	Left Negative Ion Generator	10-53
I-049	Right Negative Ion Generator	10-54
K-001	Automatic A/C Control Module – A	10-66
K-002	Right Feet Outlet Temperature Sensor	10-66
K-003	Right Temperature Damper Servo Motor	10-66

11 – System Circuit Diagram

Wire Harness Connector	Appellation	Page Number
K-004	Blower Speed Regulation Module	10-66
K-005	Blower	10-66
K-006	Instrument Panel Wire Harness to A/C Wire Harness (Blower)	10-66
K-007	PM2.5 Sensor	10-66
K-008	Right Face Outlet Temperature Sensor	10-66
K-009	Air Mass Sensor	10-66
K-010	Internal and External Circulation Servo Motor	10-66
K-011	Mode Damper Servo Motor	10-66
K-012	Left Face Outlet Temperature Sensor	10-66
K-013	Evaporator Temperature Sensor	10-66
K-014	Left Feet Outlet Temperature Sensor	10-66
K-015	Left Temperature Damper Servo Motor	10-66
K-018	Automatic A/C Control Module – B	10-66

Wire Harness Connector	Appellation	Page Number
K-019	Instrument Panel Wire Harness to A/C Wire Harness	10-66
GB-075	Ground	10-41
GB-243	Ground	10-47

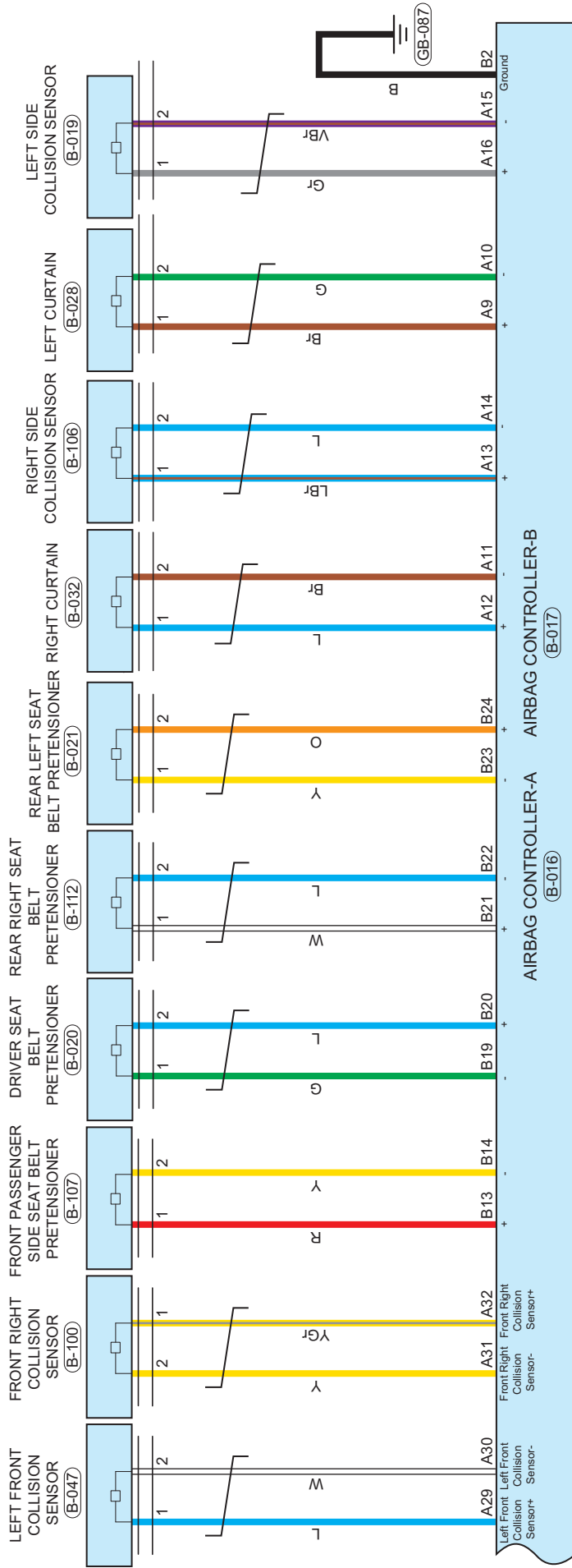
Airbag System (ACM)



EWD027001



Airbag System (ACM)



EWD028001



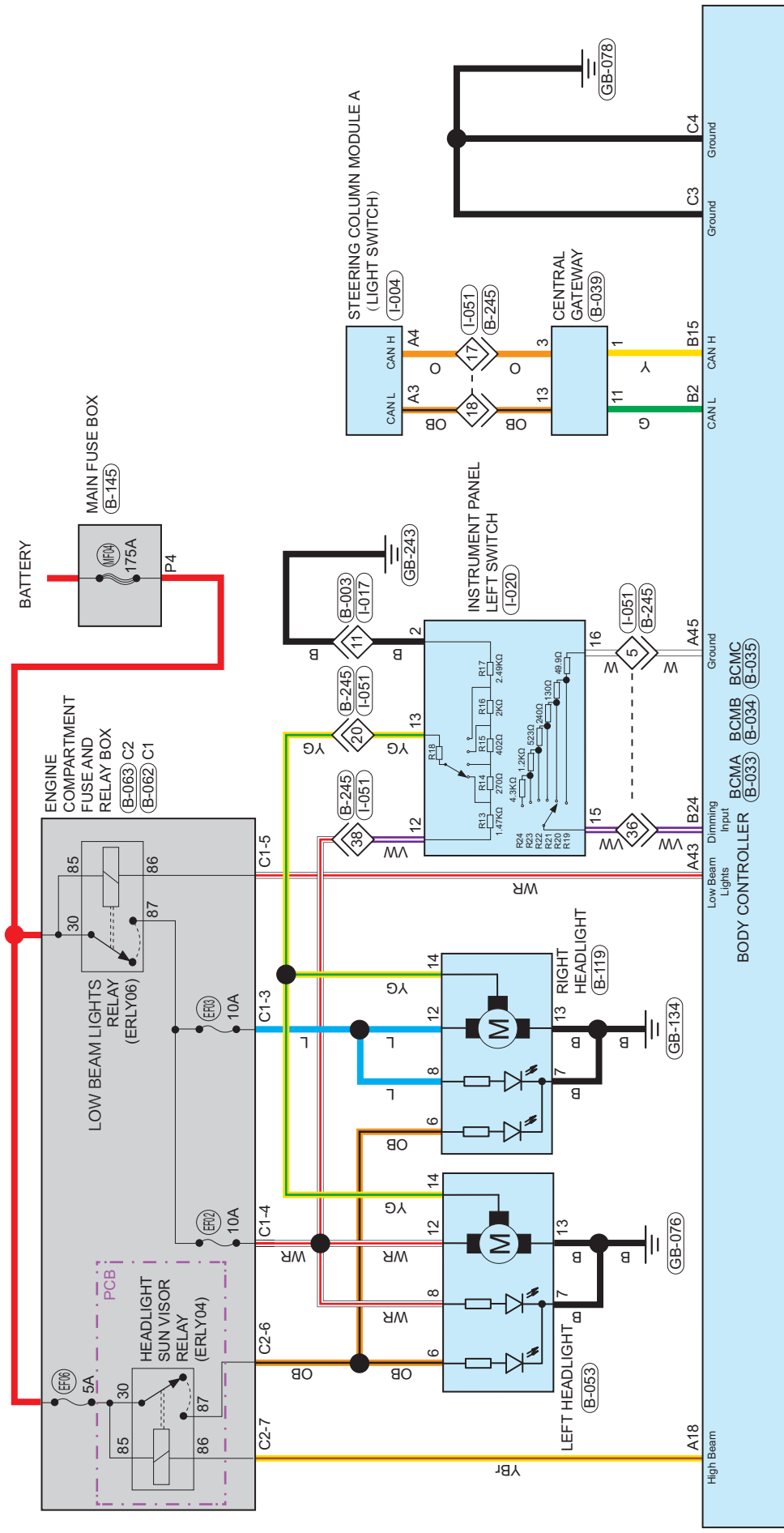
Airbag System (ACM)

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-016	Airbag Controller – A	10-38
B-017	Airbag Controller – B	10-39
B-018	Interior Wire Harness to Driver Seat Wire Harness	10-39
B-019	Left Side Collision Sensor	10-39
B-020	Driver Side Seat Belt Pretensioner	10-39
B-021	Rear Left Seat Belt Pretensioner	10-39
B-028	Left Curtain Shield Airbag	10-39
B-032	Right Curtain Shield Airbag	10-39
B-033	Body Control Module – A	10-39
B-047	Front Left Collision Sensor	10-40
B-061	Instrument Panel Fuse Box – 4	10-41

Wire Harness Connector	Appellation	Page Number
B-100	Front Right Collision Sensor	10-43
B-106	Right Side Collision Sensor	10-43
B-107	Front Passenger Side Seat Belt Pretensioner	10-44
B-112	Rear Right Seat Belt Pretensioner	10-44
B-115	Interior Wire Harness to Front Passenger Seat Wire Harness	10-44
B-236	Remote Communication Gateway – A	10-47
I-005	Steering Column Module B	10-52
I-013	Front Passenger Side Airbag	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
S-001	Driver Seat Wire Harness to Interior Wire Harness	

Wire Harness Connector	Appellation	Page Number
S-015	Front Passenger Seat Wire Harness to Interior Wire Harness	
S-020	Driver Seat Belt Buckle	
S-021	Driver Seat Airbag	
S-022	Front Passenger Seat Belt Buckle	
S-023	Front Passenger Seat Airbag	
S-024	Occupancy Sensor	
GB-087	Ground	10-42

Lighting System High/Low Beam Light



EWD029001

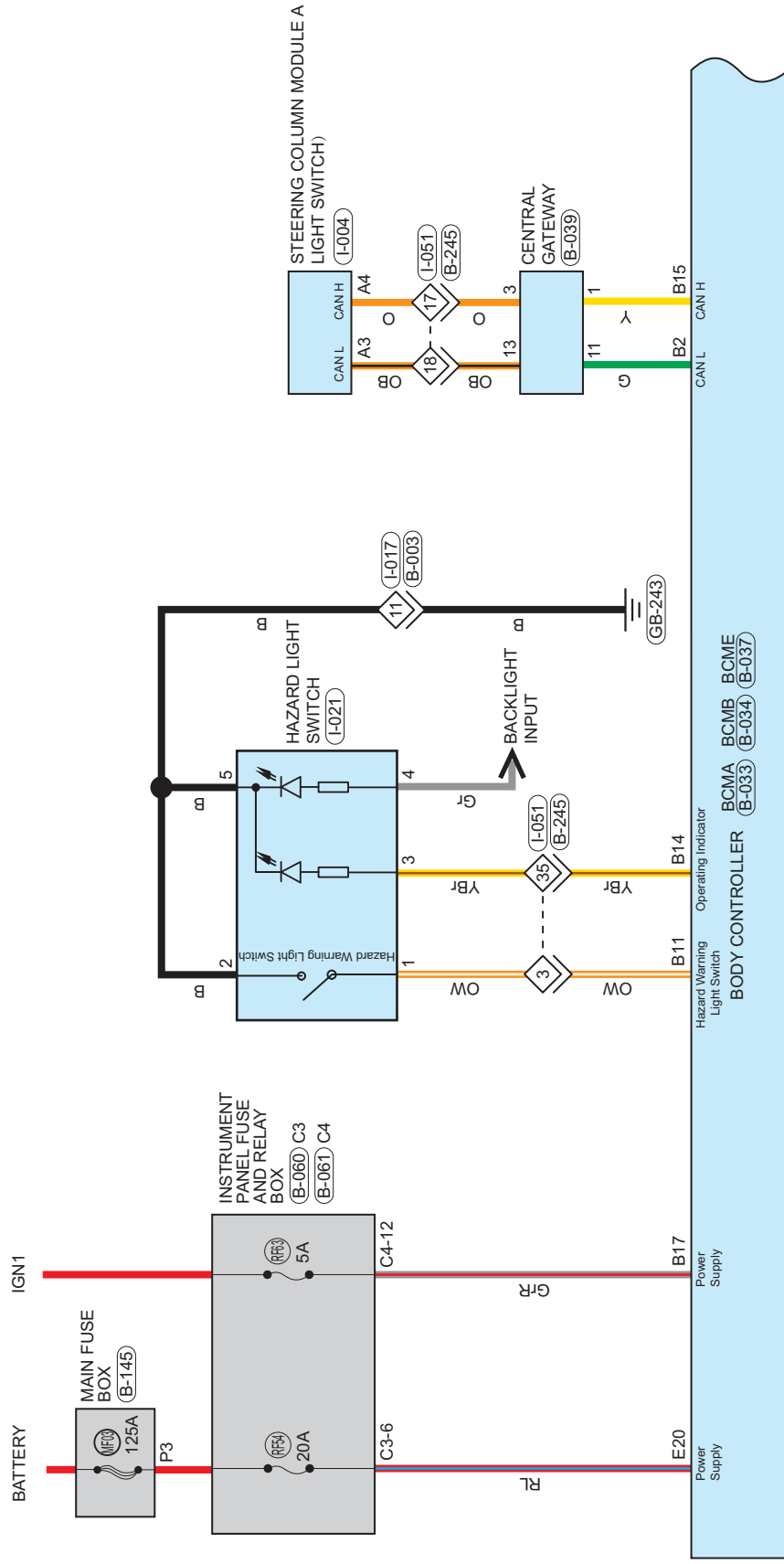


High/Low Beam Light

Wire Harness Connector	Appellation	Page Number
B-002	Interior Wire Harness to Instrument Panel Wire Harness 1	10-47
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-033	Body Control Module – A	10-39
B-034	Body Control Module – B	10-39
B-035	Body Control Module – C	10-39
B-039	Central Gateway	10-40
B-053	Left Headlight	10-40
B-062	Engine Compartment Fuse Box – 1	10-41
B-063	Engine Compartment Fuse Box – 2	10-41
B-119	Right Headlight	10-44

Wire Harness Connector	Appellation	Page Number
I-001	Instrument Panel Wire Harness to Interior Wire Harness 1	10-52
I-004	Steering Column Module A	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-020	Instrument Panel Left Switch	10-53
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
GB-076	Ground	10-41
GB-078	Ground	10-41
GB-134	Ground	10-45
GB-243	Ground	10-47

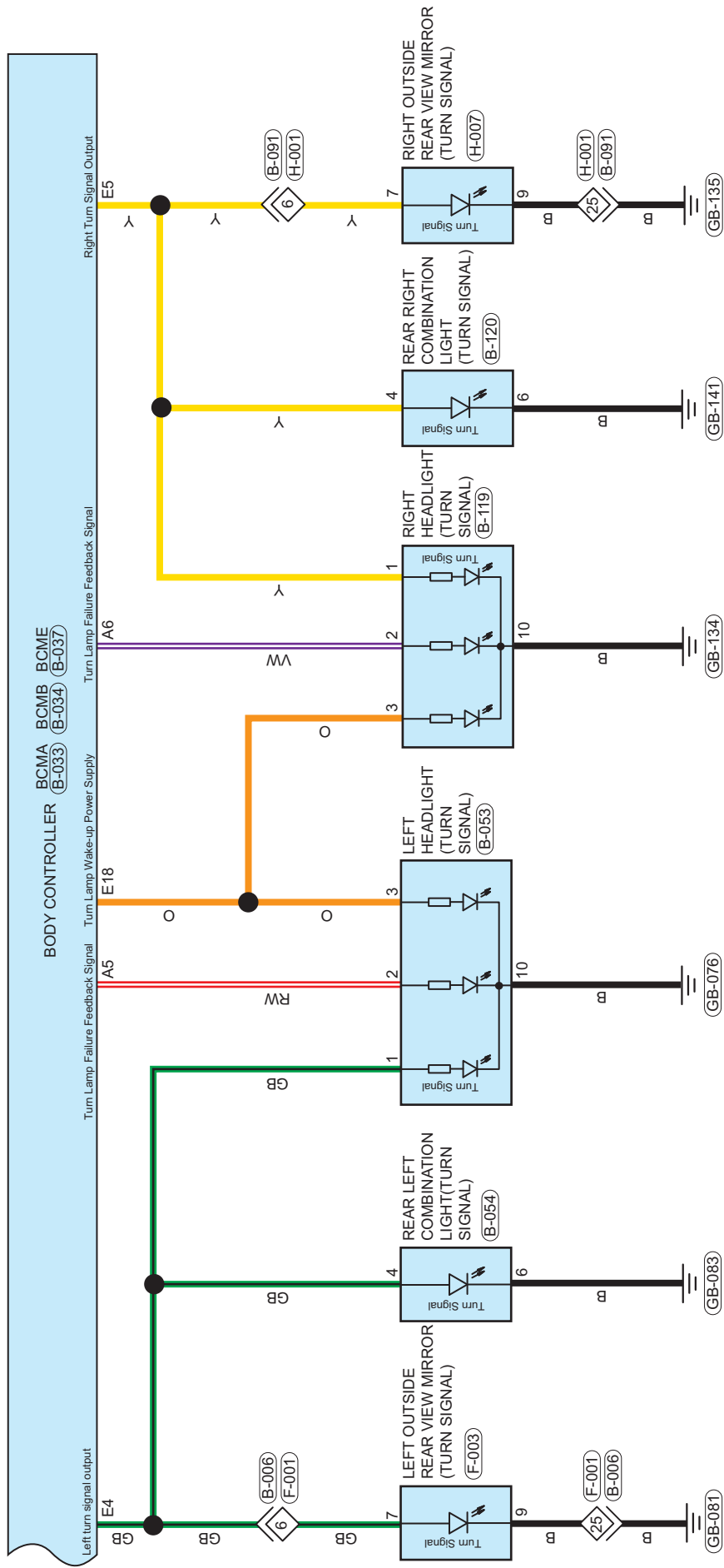
Turn Light



EWD030001



Turn Light



EWD030002



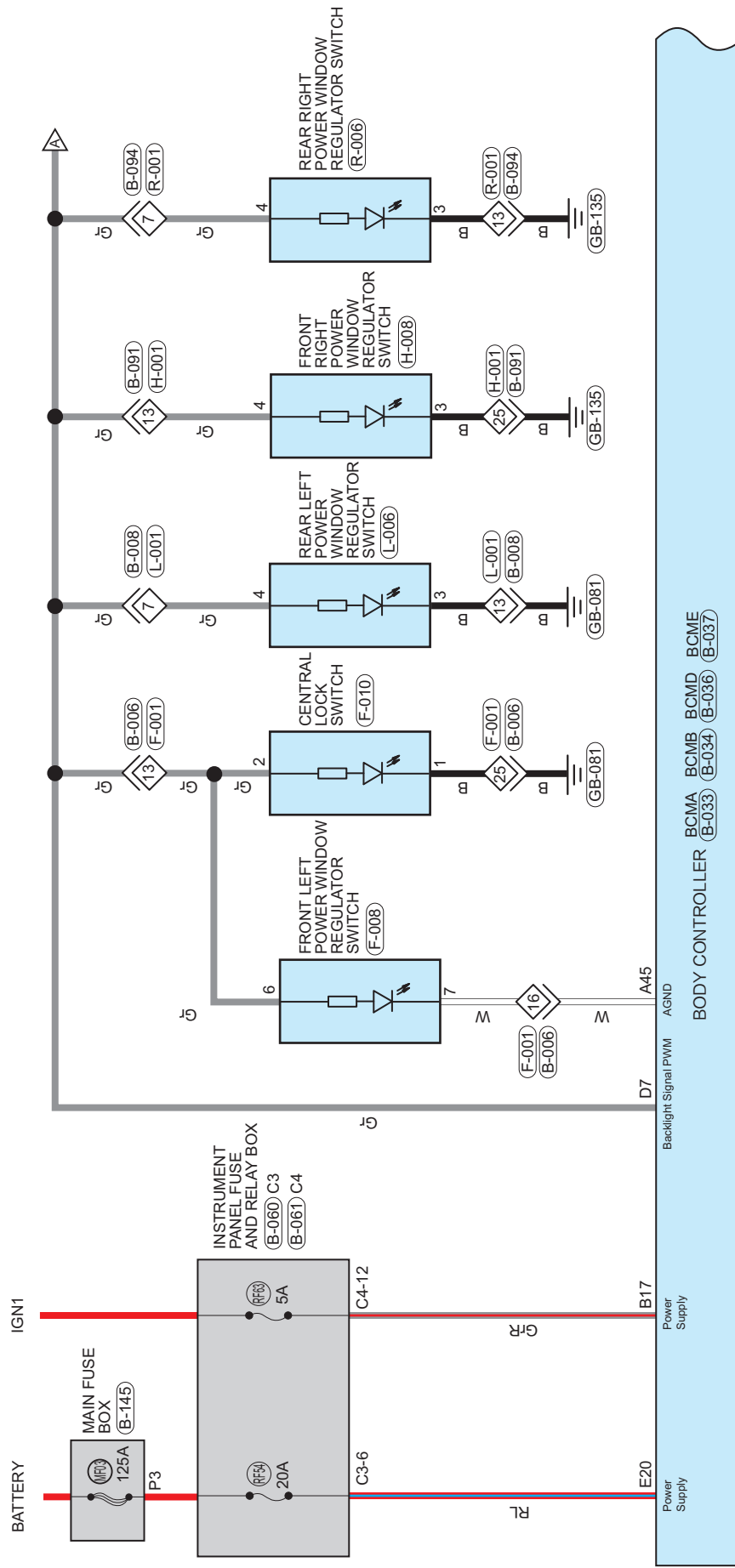
Turn Light

Wire Harness Connector	Appellation	Page Number
B-002	Interior Wire Harness to Instrument Panel Wire Harness 1	10-47
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-033	Body Control Module – A	10-39
B-034	Body Control Module – B	10-39
B-037	Body Control Module – E	10-39
B-039	Central Gateway	10-40
B-053	Left Headlight	10-40
B-054	Rear Left Combination Light	10-40
B-060	Instrument Panel Fuse Box – 3	10-41

Wire Harness Connector	Appellation	Page Number
B-061	Instrument Panel Fuse Box – 4	10-41
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42
B-119	Right Headlight	10-44
B-120	Rear Right Combination Light	10-44
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56
F-003	Left Outside Rear View Mirror	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-007	Right Outside Rear View Mirror	10-58
I-004	Steering Column Module A	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-021	Hazard Warning Light Switch	10-53

Wire Harness Connector	Appellation	Page Number
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
GB-076	Ground	10-41
GB-081	Ground	10-41
GB-083	Ground	10-41
GB-134	Ground	10-45
GB-135	Ground	10-45
GB-141	Ground	10-45

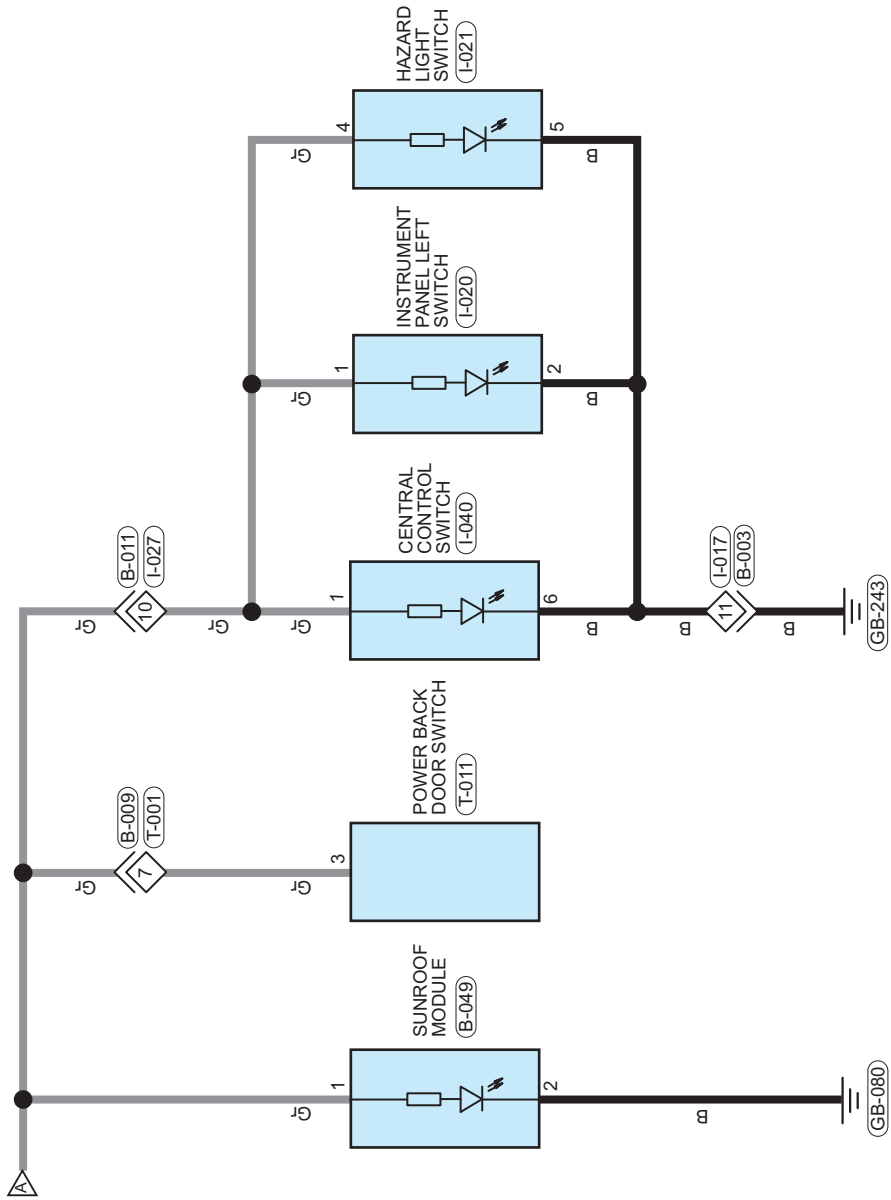
Backlight



EWD031001



Backlight



Backlight

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-008	Interior Wire Harness to Rear Left Door Wire Harness	10-38
B-009	Interior Wire Harness to Back Door Wire Harness 1	10-38
B-011	Interior Wire Harness to Instrument Panel Wire Harness 3	10-38
B-033	Body Control Module – A	10-39
B-034	Body Control Module – B	10-39
B-036	Body Control Module – D	10-39
B-037	Body Control Module – E	10-39
B-049	Sunroof Switch	10-40

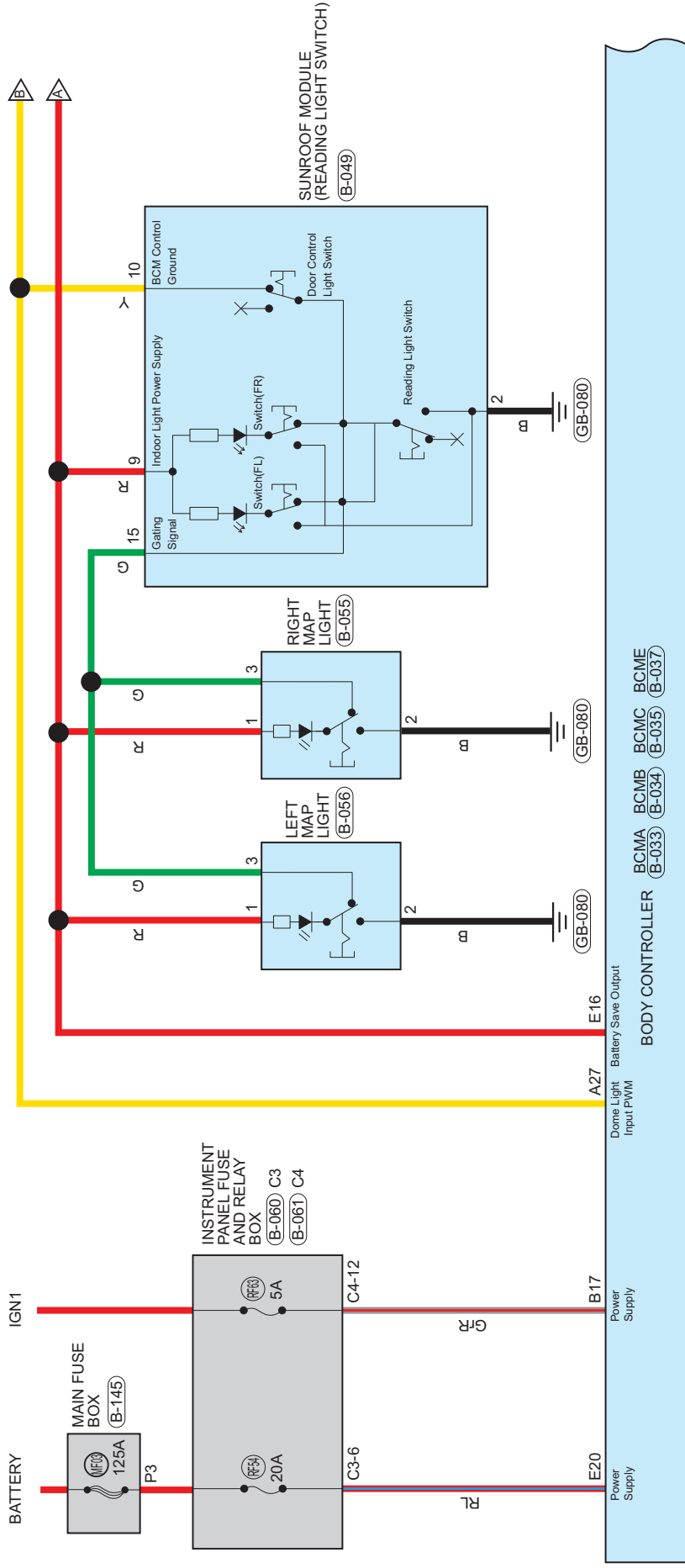
Wire Harness Connector	Appellation	Page Number
B-060	Instrument Panel Fuse Box – 3	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42
B-094	Interior Wire Harness to Rear Right Door Wire Harness	10-43
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-020	Instrument Panel Left Switch	10-53
I-021	Hazard Warning Light Switch	10-53
I-027	Instrument Panel Wire Harness to Interior Wire Harness 3	10-53
I-040	Central Control Switch	10-54
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56

11 – System Circuit Diagram

Wire Harness Connector	Appellation	Page Number
F-008	Front Left Power Window Regulator Switch	10-56
F-010	Central Control Lock Switch	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-008	Front Right Power Window Regulator Switch	10-58
L-001	Interior Wire Harness to Rear Left Door Wire Harness	10-60
L-006	Rear Left Power Window Regulator Switch	10-60
R-001	Interior Wire Harness to Rear Right Door Wire Harness	10-62
R-006	Rear Right Power Window Regulator Switch	10-62
T-001	Interior Wire Harness to Back Door Wire Harness 1	10-64

Wire Harness Connector	Appellation	Page Number
T-011	Power Back Door Switch	10-64
GB-080	Ground	10-41
GB-081	Ground	10-41
GB-135	Ground	10-45
GB-243	Ground	10-47

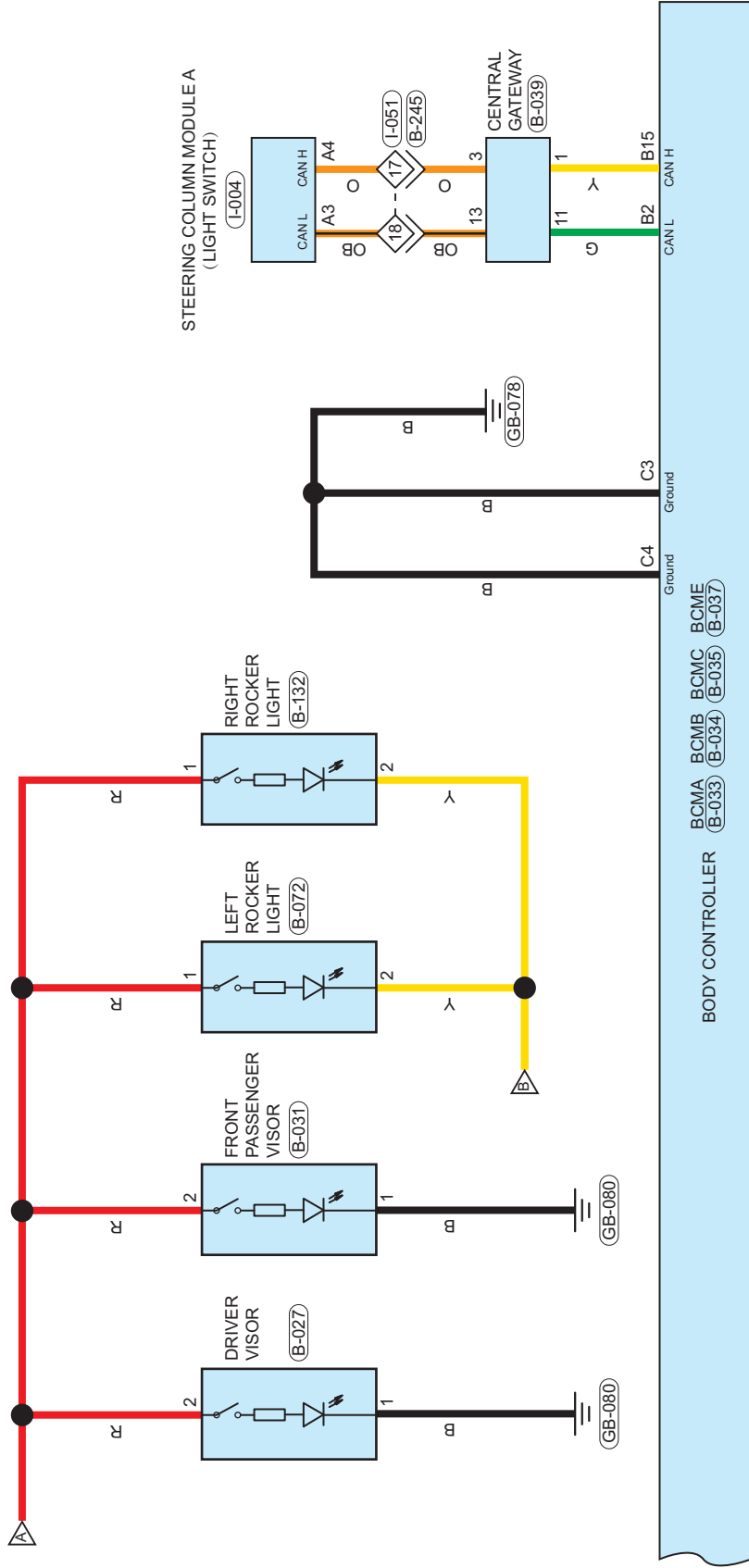
Map Light, Vanity Light, Rocker Light



EWD032001



Map Light, Vanity Light, Rocker Light



EWD032002

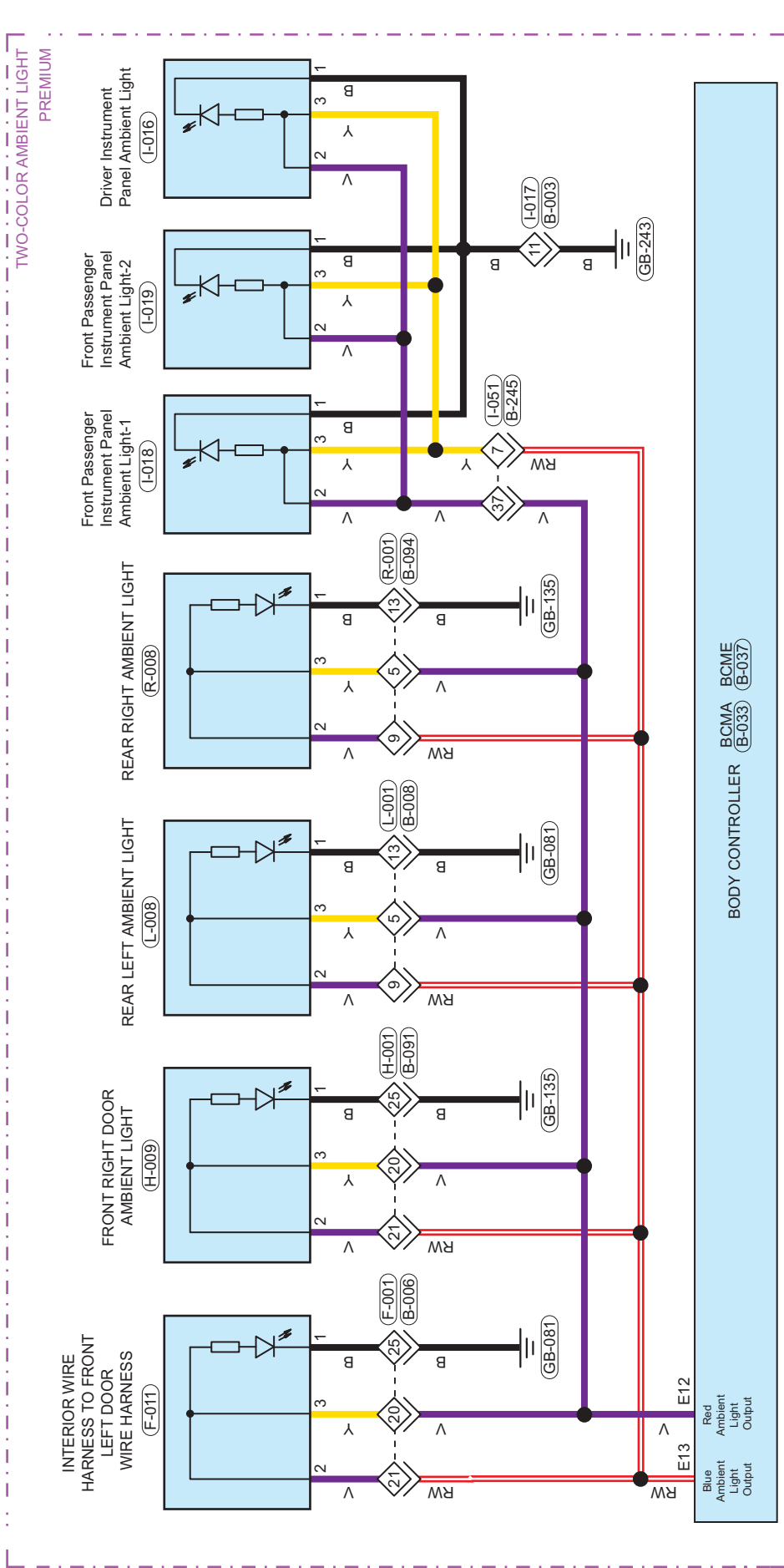


Map Light, Vanity Light, Rocker Light

Wire Harness Connector	Appellation	Page Number
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-027	Driver Visor	10-39
B-031	Front Passenger Visor	10-39
B-033	Body Control Module - A	10-39
B-034	Body Control Module - B	10-39
B-035	Body Control Module - C	10-39
B-037	Body Control Module - E	10-39
B-039	Central Gateway	10-40
B-049	Sunroof Switch	10-40
B-055	Right Map Light	10-40
B-056	Left Map Light	10-40
B-060	Instrument Panel Fuse Box - 3	10-41
B-061	Instrument Panel Fuse Box - 4	10-41
B-072	Left Rocker Light	10-41

Wire Harness Connector	Appellation	Page Number
B-132	Right Rocker Light	10-45
I-004	Steering Column Module A	10-52
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
GB-078	Ground	10-41
GB-080	Ground	10-41

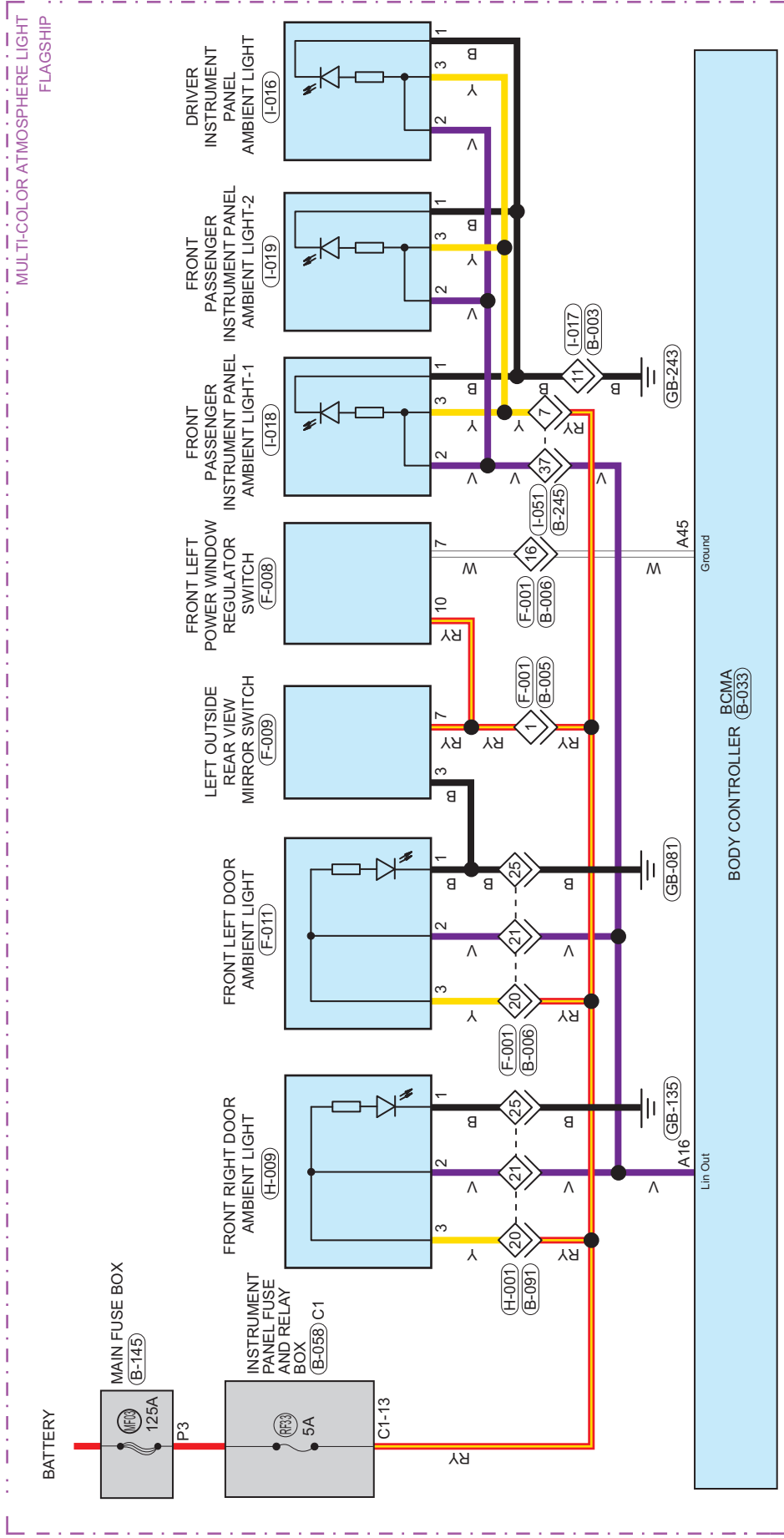
Ambient Light



EWD033001



Ambient Light



EWD033002



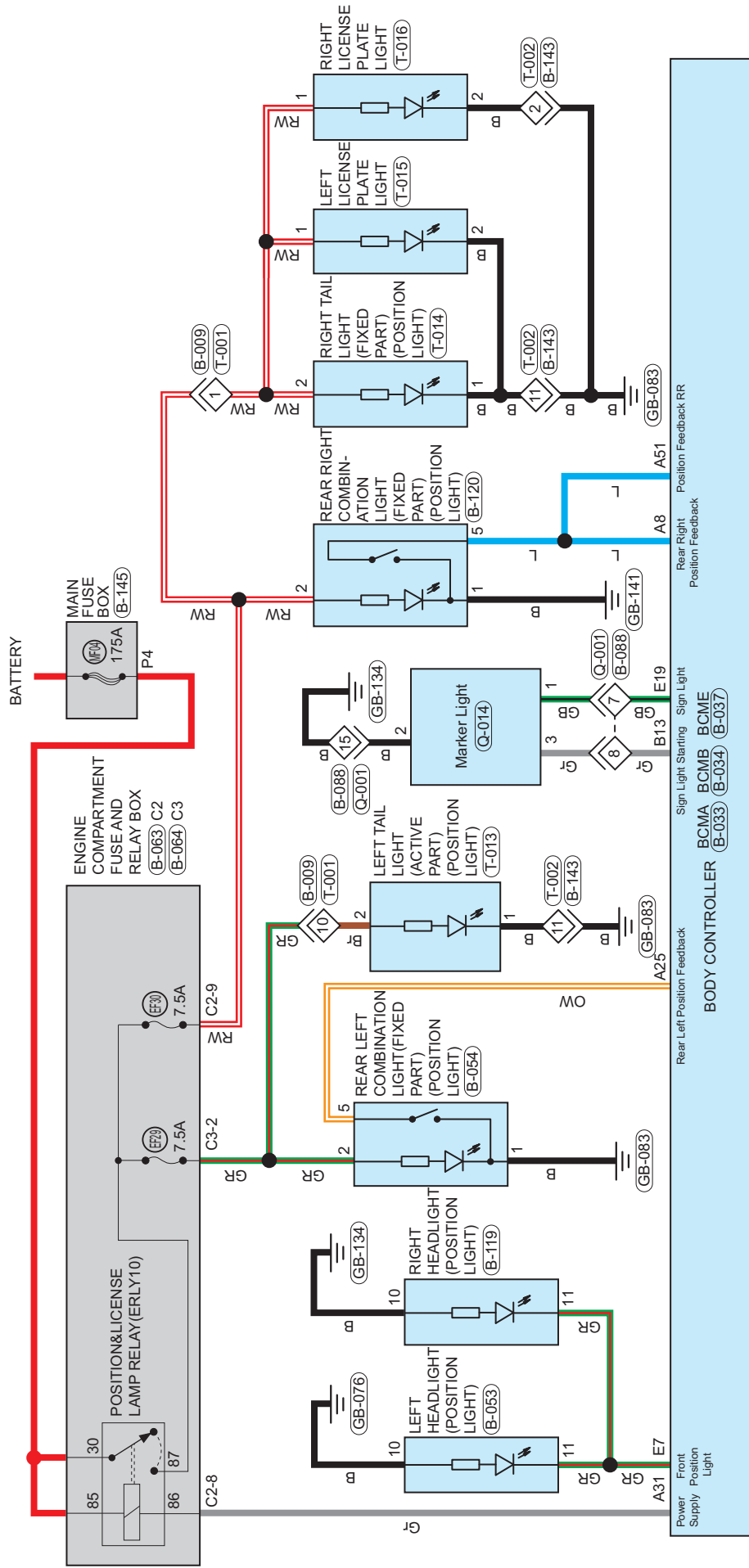
Ambient Light

Wire Harness Connector	Appellation	Page Number
B-002	Interior Wire Harness to Instrument Panel Wire Harness 1	10-47
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-005	Interior Wire Harness to Front Left Door Wire Harness 1	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-033	Body Control Module – A	10-39
B-037	Body Control Module – E	10-39
B-058	Instrument Panel Fuse Box – 1	10-41
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56

Wire Harness Connector	Appellation	Page Number
F-008	Front Left Power Window Regulator Switch	10-56
F-009	Left Outside Rear View Mirror Switch	10-56
F-011	Front Left Door Ambient Light	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-009	Front Right Door Ambient Light	10-58
I-001	Instrument Panel Wire Harness to Interior Wire Harness 1	10-52
I-016	Driver Side Instrument Panel Ambient Light	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-018	Front Passenger Side Instrument Panel Ambient Light – 1	10-53

Wire Harness Connector	Appellation	Page Number
I-019	Front Passenger Side Instrument Panel Ambient Light – 2	10-53
L-001	Interior Wire Harness to Rear Left Door Wire Harness	10-60
L-008	Rear Left Door Ambient Light	10-60
R-001	Interior Wire Harness to Rear Right Door Wire Harness	10-62
R-008	Rear Right Door Ambient Light	10-62
GB-081	Ground	10-41
GB-135	Ground	10-45
GB-243	Ground	10-47

Position Light, License Plate Light



EWD034001

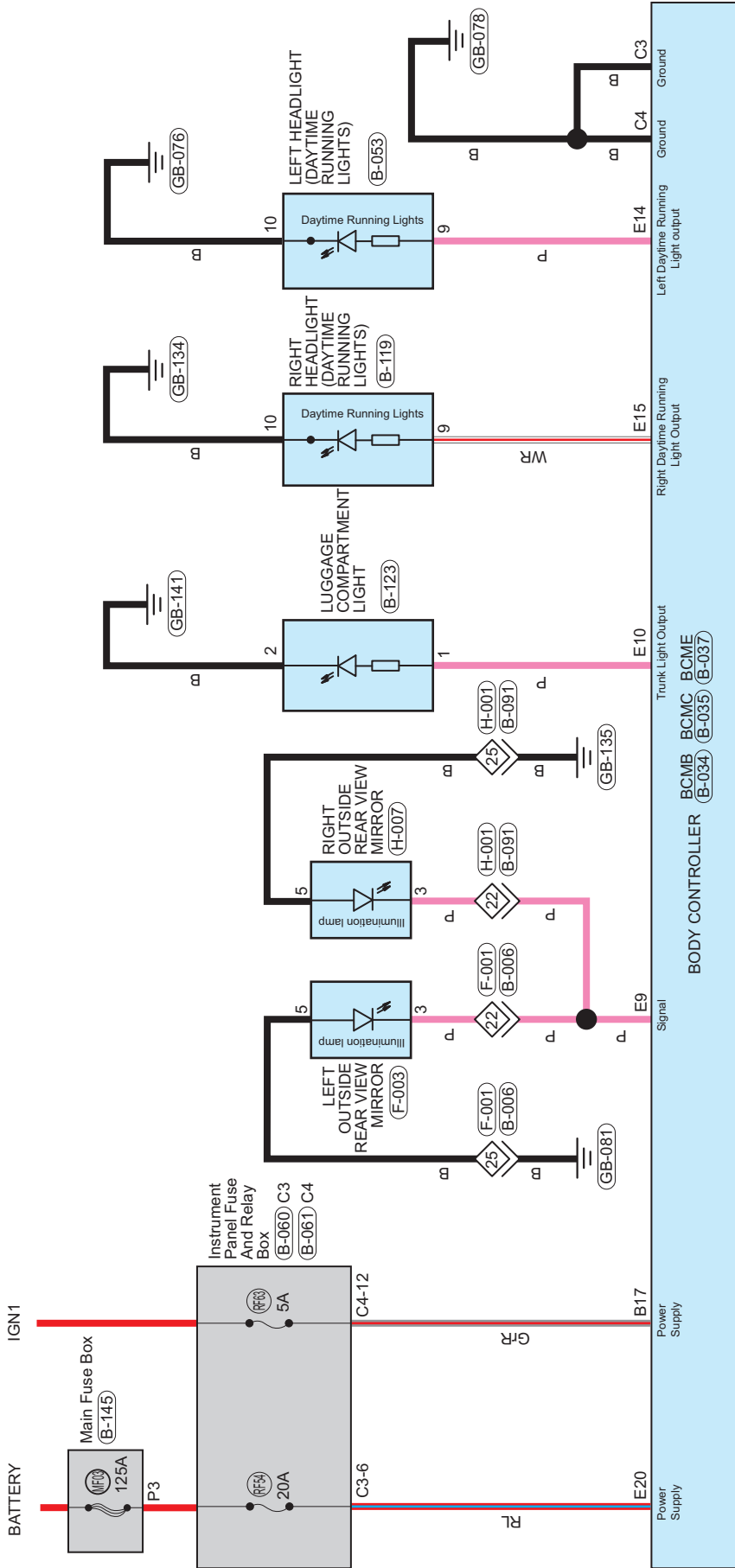


Position Light, License Plate Light

Wire Harness Connector	Appellation	Page Number
B-009	Interior Wire Harness to Back Door Wire Harness 1	10-38
B-033	Body Control Module - A	10-39
B-034	Body Control Module - B	10-39
B-037	Body Control Module - E	10-39
B-053	Left Headlight	10-40
B-054	Rear Left Combination Light	10-40
B-063	Engine Compartment Fuse Box - 2	10-41
B-064	Engine Compartment Fuse Box - 3	10-41
B-088	Interior Wire Harness to Front Bumper Wire Harness	10-42
B-119	Right Headlight	10-44
B-120	Rear Right Combination Light	10-44

Wire Harness Connector	Appellation	Page Number
B-143	Interior Wire Harness to Back Door Wire Harness 2	10-45
Q-001	Front Bumper Wire Harness to Interior Wire Harness	10-18
Q-014	Marker Light	10-18
T-001	Interior Wire Harness to Back Door Wire Harness 1	10-64
T-002	Interior Wire Harness to Back Door Wire Harness 2	10-64
T-013	Rear Left Tail Light	10-64
T-014	Rear Right Tail Light	10-64
T-015	Left License Plate Light	10-64
T-016	Right License Plate Light	10-64
GB-076	Ground	10-41
GB-083	Ground	10-41
GB-134	Ground	10-45
GB-141	Ground	10-45

Luggage Compartment Light, Daytime Running Light, Foot Light



EWD035001

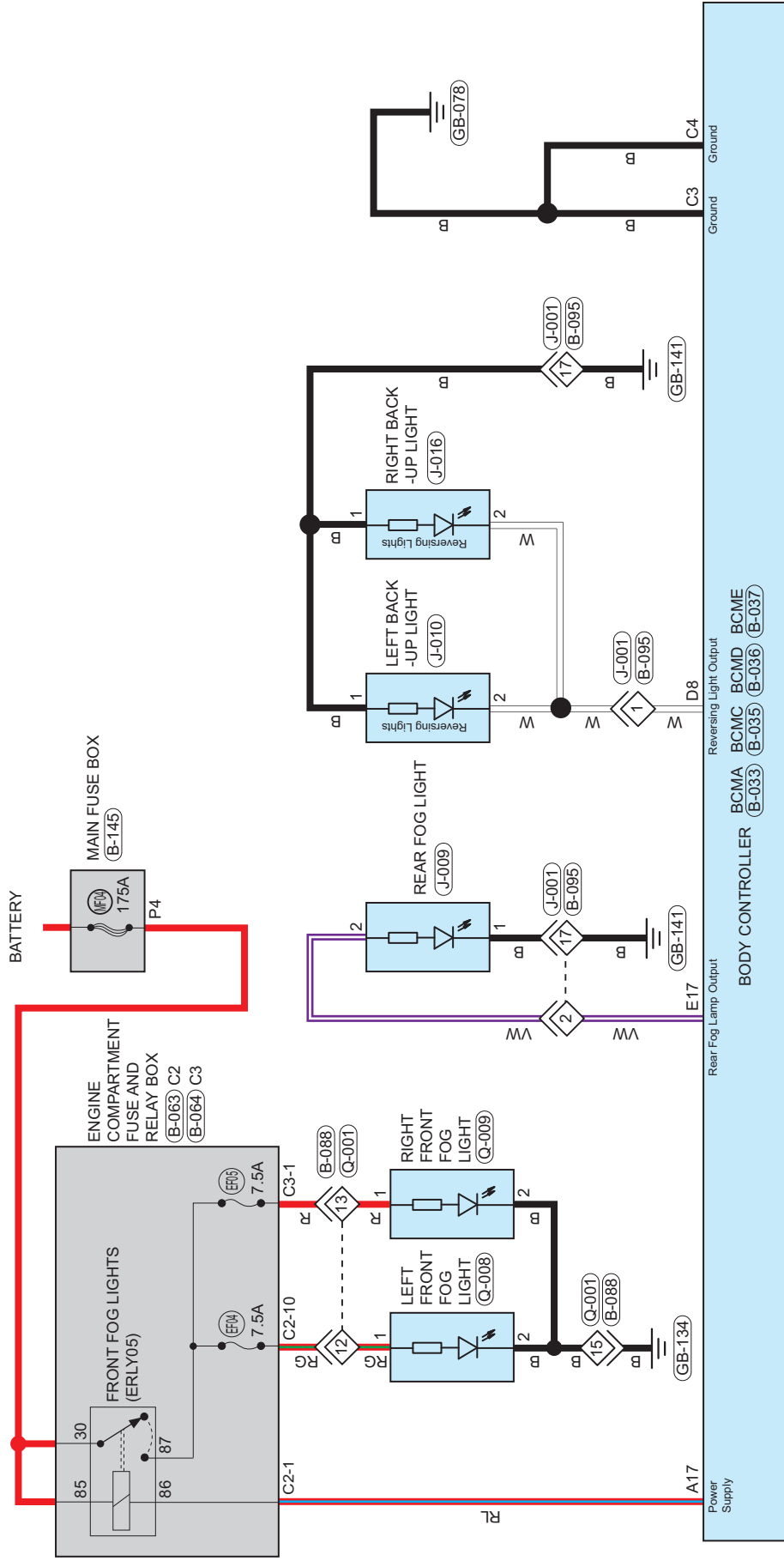


Luggage Compartment Light, Daytime Running Light, Foot Light

Wire Harness Connector	Appellation	Page Number
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-034	Body Control Module – B	10-39
B-035	Body Control Module – C	10-39
B-037	Body Control Module – E	10-39
B-053	Left Headlight	10-40
B-060	Instrument Panel Fuse Box – 3	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42
B-119	Right Headlight	10-44
B-123	Luggage Compartment Light	10-44
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56

Wire Harness Connector	Appellation	Page Number
F-003	Left Outside Rear View Mirror	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-007	Right Outside Rear View Mirror	10-58
GB-076	Ground	10-41
GB-080	Ground	10-41
GB-083	Ground	10-41
GB-136	Ground	10-45

Fog Light, Back-up Light



EWD036001

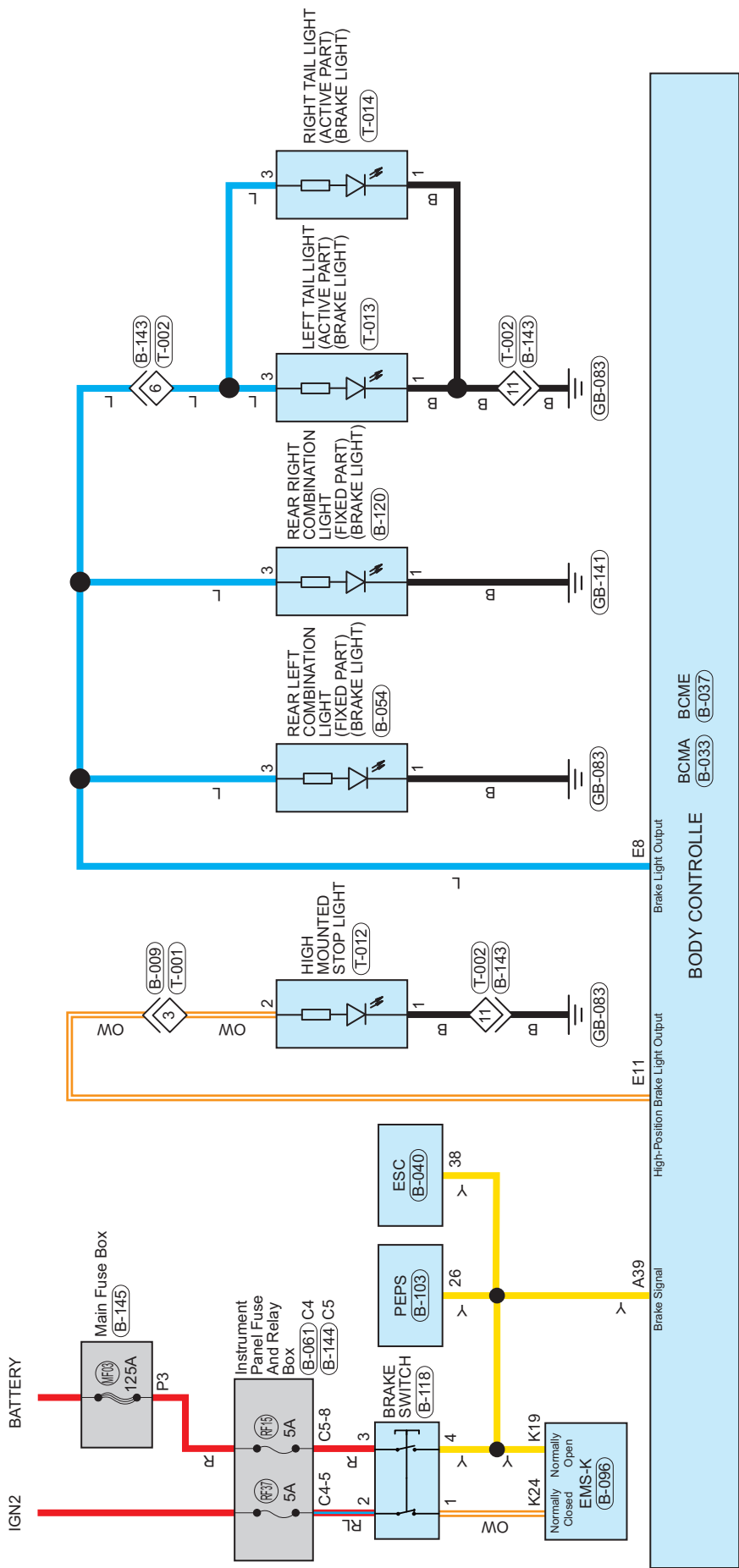


Fog Light, Back-up Light

Wire Harness Connector	Appellation	Page Number
B-033	Body Control Module - A	10-39
B-035	Body Control Module - C	10-39
B-036	Body Control Module - D	10-39
B-037	Body Control Module - E	10-39
B-063	Engine Compartment Fuse Box - 2	10-41
B-064	Engine Compartment Fuse Box - 3	10-41
B-088	Interior Wire Harness to Front Bumper Wire Harness	10-42
B-095	Interior Wire Harness to Rear Bumper Wire Harness	10-43
J-001	Interior Wire Harness to Rear Bumper Wire Harness	10-20
J-009	Rear Left Fog Light	10-20
J-010	Left Back-up Light	10-20
J-016	Right Back-up Light	10-20

Wire Harness Connector	Appellation	Page Number
Q-001	Front Bumper Wire Harness to Interior Wire Harness	10-18
Q-008	Front Left Fog Light	10-18
Q-009	Front Right Fog Light	10-18
GB-078	Ground	10-41
GB-134	Ground	10-45
GB-141	Ground	10-45

Brake Light



EWD037001

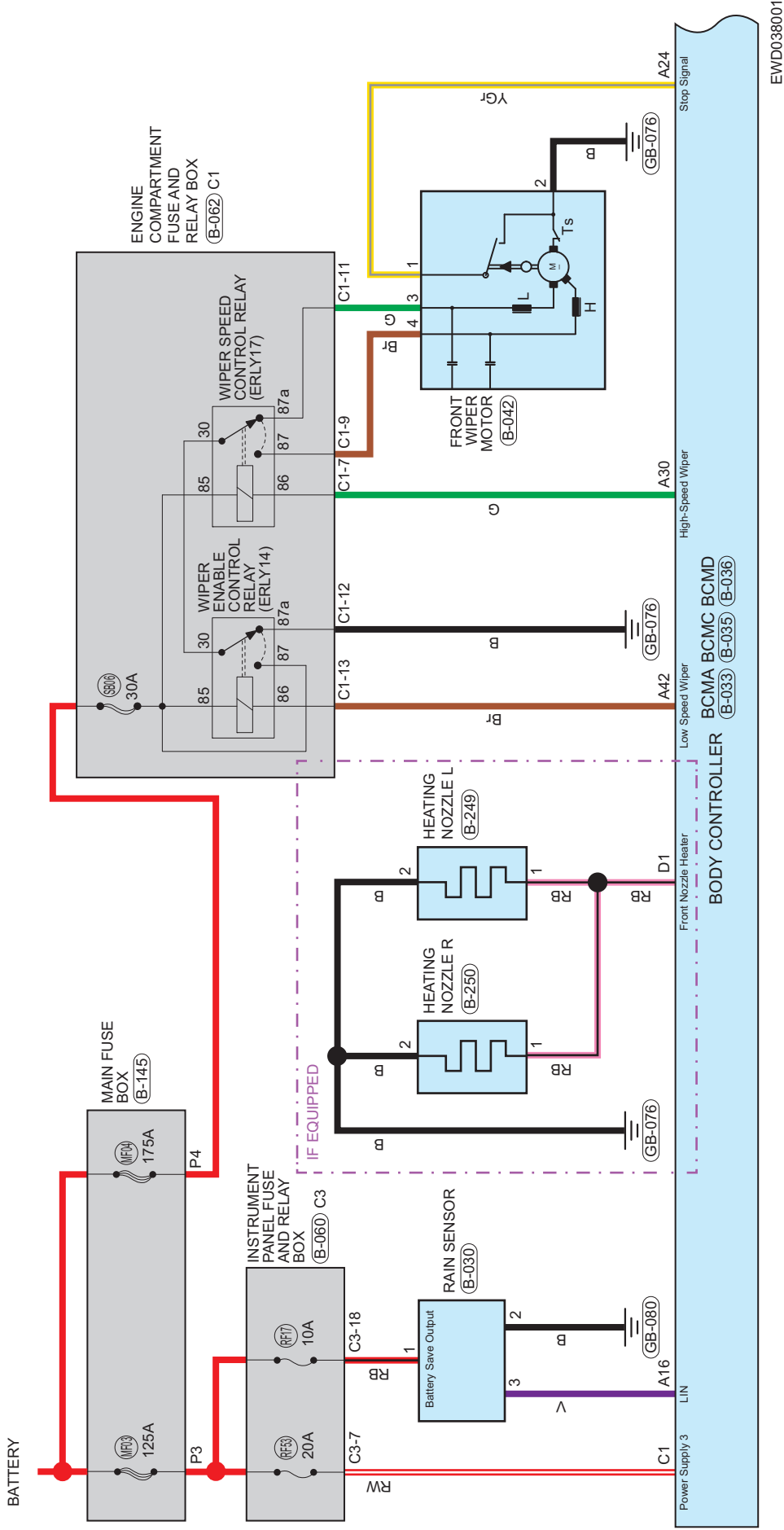


Brake Light

Wire Harness Connector	Appellation	Page Number
B-009	Interior Wire Harness to Back Door Wire Harness 1	10-38
B-033	Body Control Module - A	10-39
B-037	Body Control Module - E	10-39
B-040	ESC	10-40
B-054	Rear Left Combination Light	10-40
B-061	Instrument Panel Fuse Box - 4	10-41
B-096	ECU-K	10-43
B-103	PEPS Module	10-43
B-118	Brake Switch	10-44
B-120	Rear Right Combination Light	10-44
B-143	Interior Wire Harness to Back Door Wire Harness 2	10-45
B-144	Engine Compartment Fuse Box - 1	10-45

Wire Harness Connector	Appellation	Page Number
T-001	Interior Wire Harness to Back Door Wire Harness 1	10-64
T-002	Interior Wire Harness to Back Door Wire Harness 2	10-64
T-012	High Mounted Stop Light	10-64
T-013	Rear Left Tail Light	10-64
T-014	Rear Right Tail Light	10-64
GB-083	Ground	10-41
GB-141	Ground	10-45

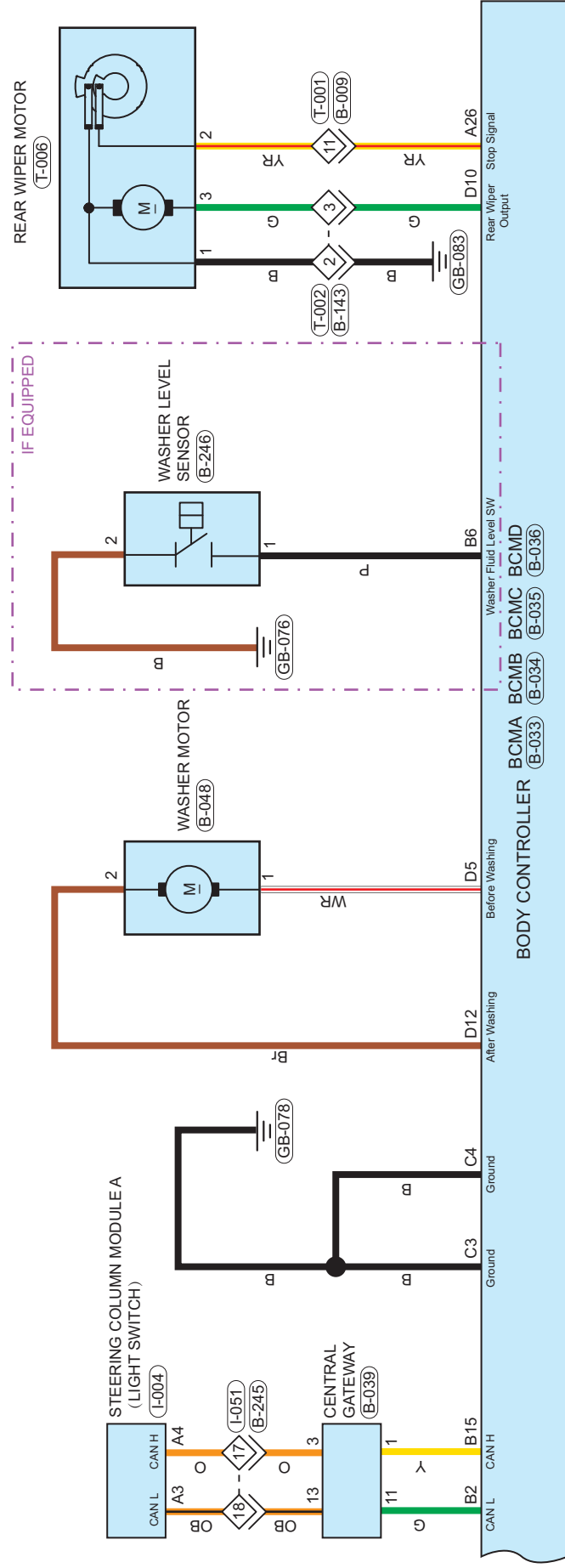
Wiper and Washer



EWD038001



Wiper and Washer



EWD038002

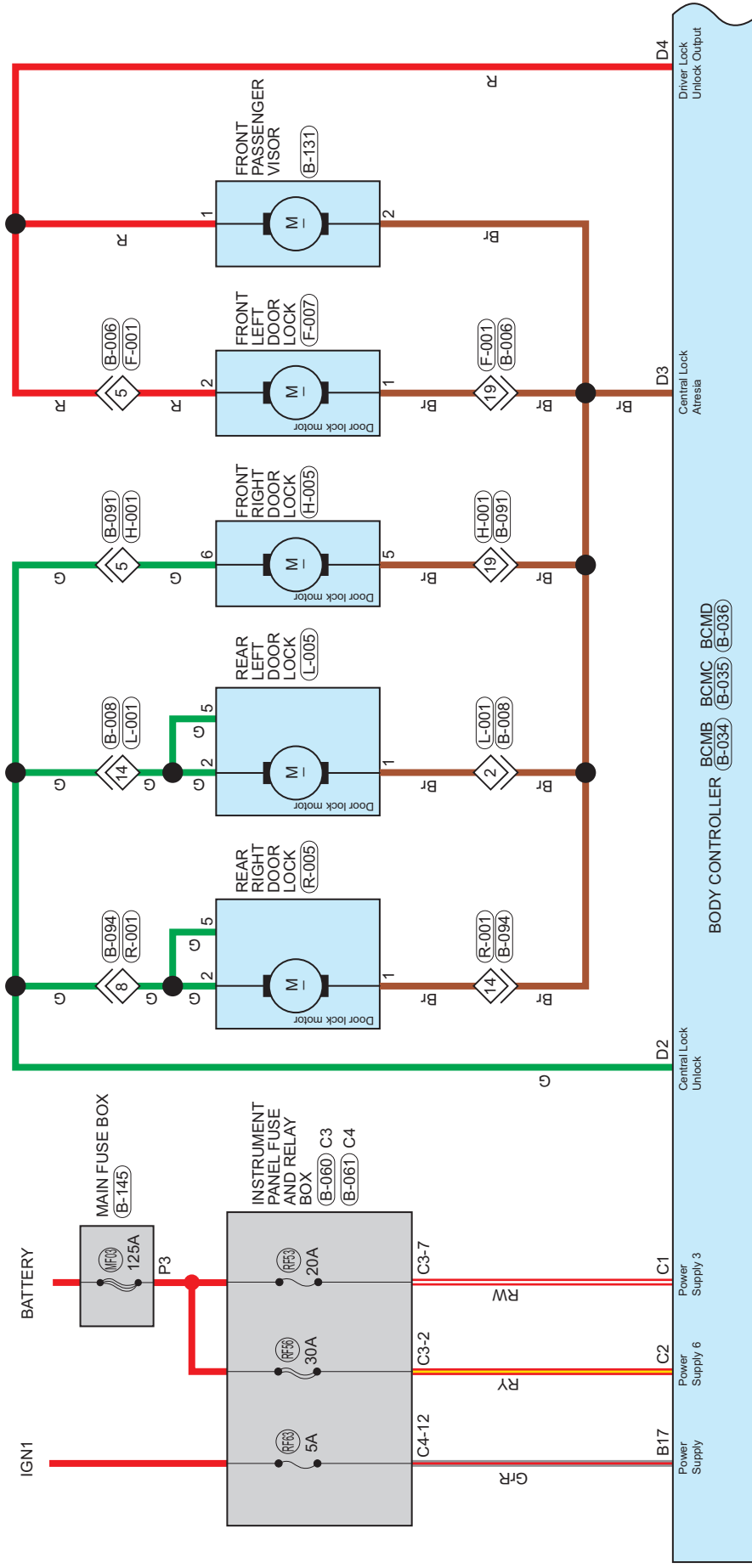


Wiper and Washer

Wire Harness Connector	Appellation	Page Number
B-009	Interior Wire Harness to Back Door Wire Harness 1	10-38
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-030	Rain Sensor	10-39
B-033	Body Control Module – A	10-39
B-034	Body Control Module – B	10-39
B-035	Body Control Module – C	10-39
B-036	Body Control Module – D	10-39
B-039	Central Gateway	10-40
B-042	Front Wiper Motor	10-40
B-048	Washer Motor	10-40
B-060	Instrument Panel Fuse Box – 3	10-41
B-062	Engine Compartment Fuse Box – 1	10-41

Wire Harness Connector	Appellation	Page Number
B-143	Interior Wire Harness to Back Door Wire Harness 2	10-45
B-246	Washer Level Sensor	10-47
B-249	Heating Nozzle L	10-47
B-250	Heating Nozzle R	10-47
I-004	Steering Column Module A	10-52
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
T-001	Interior Wire Harness to Back Door Wire Harness 1	10-64
T-002	Interior Wire Harness to Back Door Wire Harness 2	10-64
T-006	Rear Wiper Motor	10-64
GB-076	Ground	10-41
GB-078	Ground	10-41
GB-080	Ground	10-41
GB-083	Ground	10-41

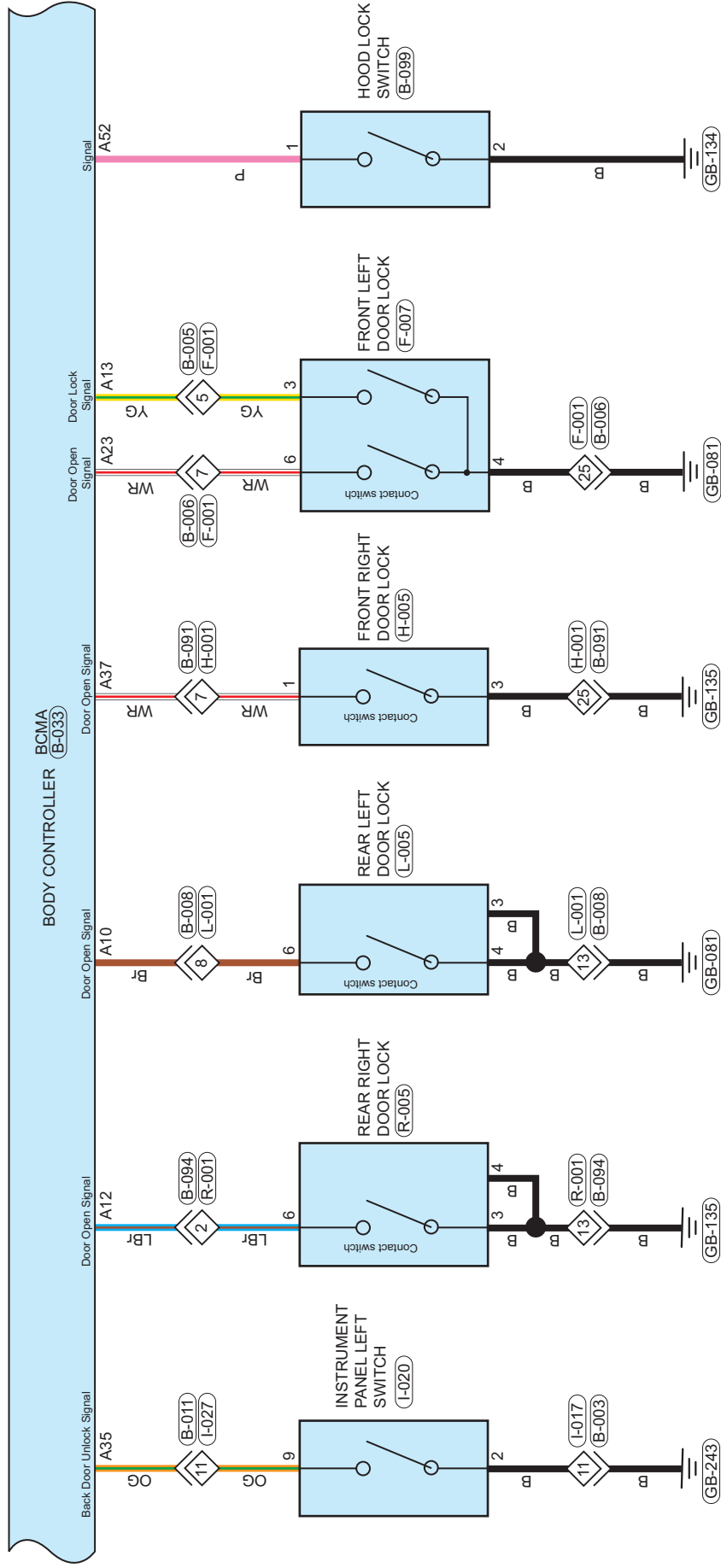
Door Lock



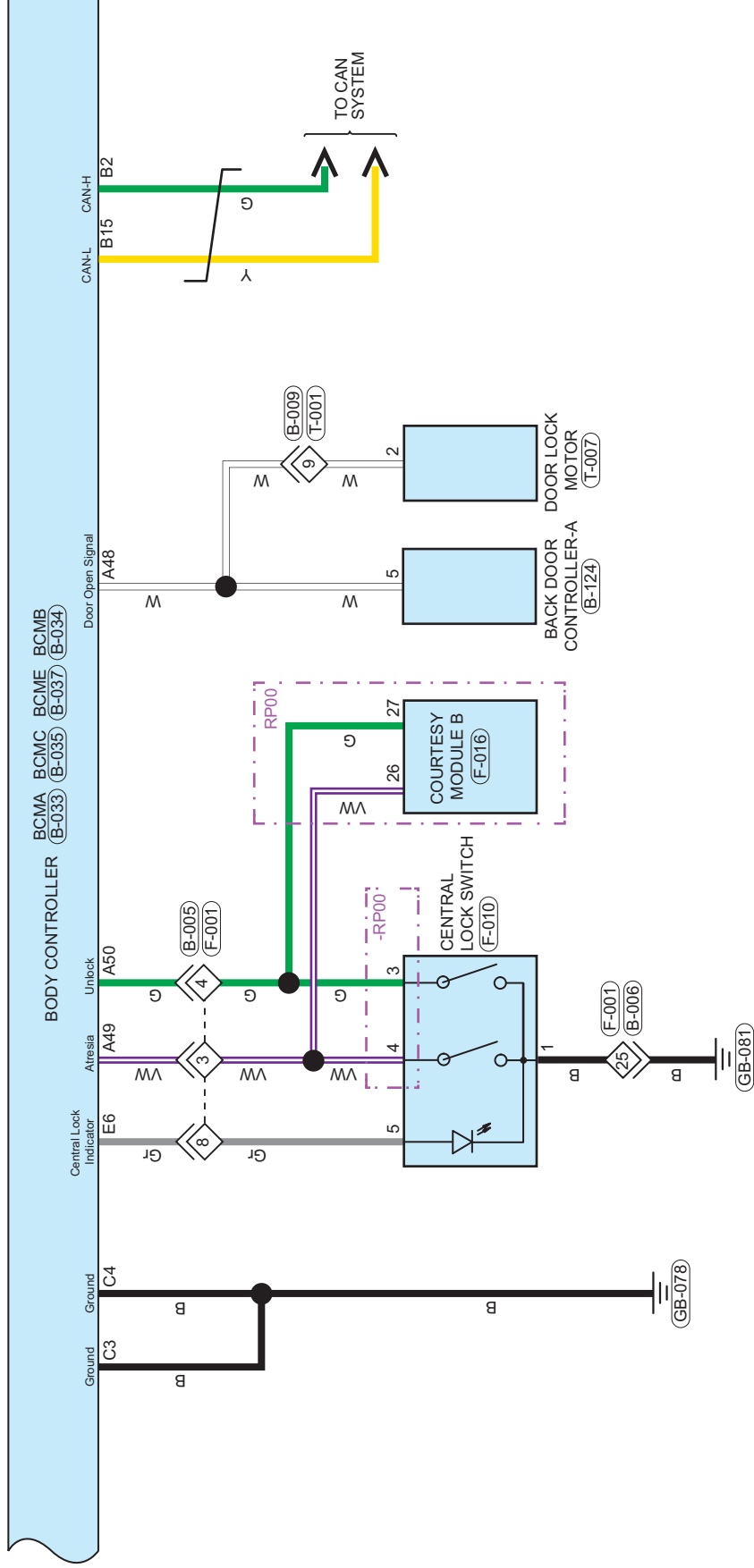
EWD039001



Door Lock



Door Lock



EWD039003



Door Lock

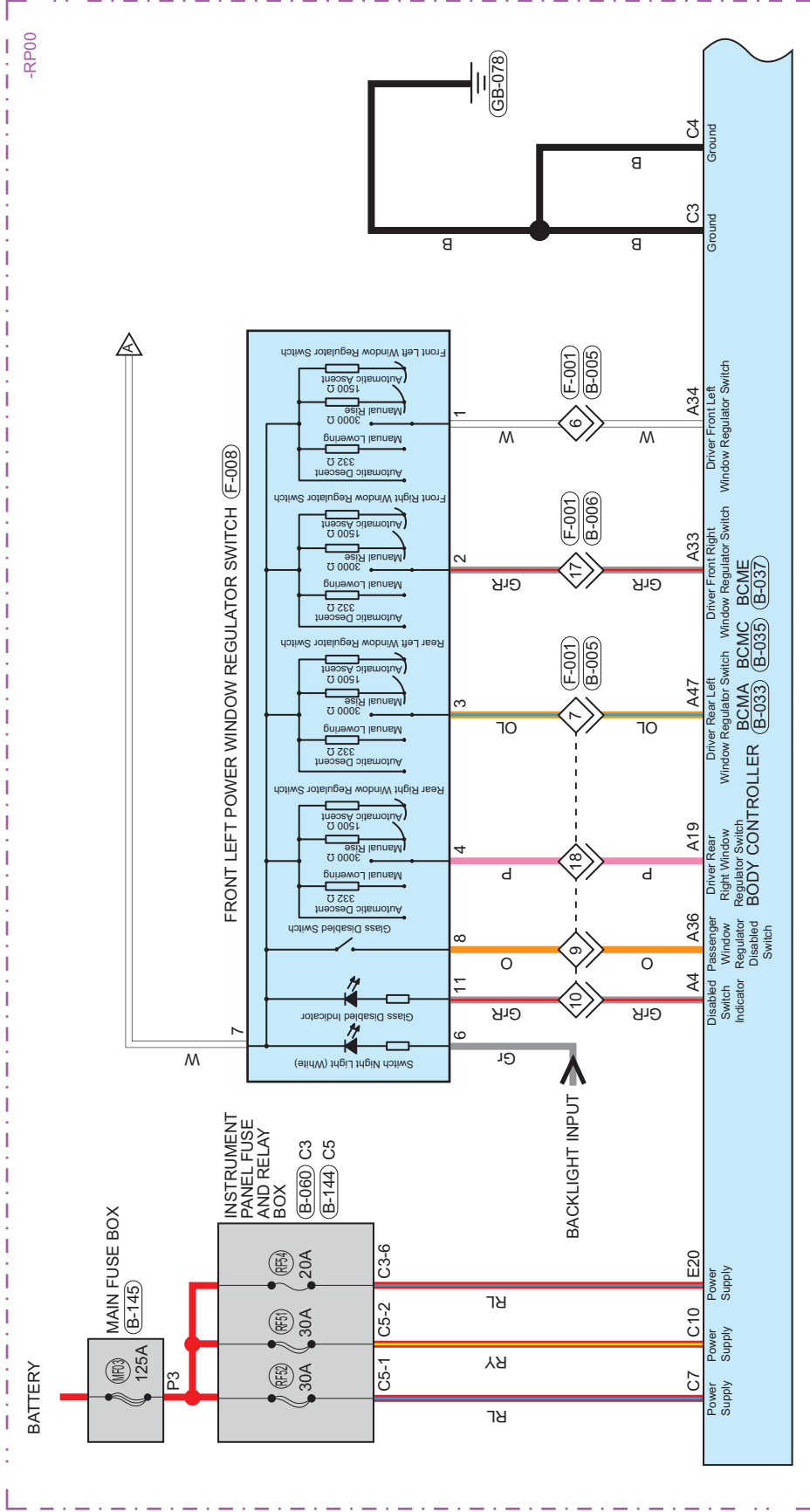
Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-005	Interior Wire Harness to Front Left Door Wire Harness 1	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-008	Interior Wire Harness to Rear Left Door Wire Harness	10-38
B-009	Interior Wire Harness to Back Door Wire Harness 1	10-38
B-011	Interior Wire Harness to Instrument Panel Wire Harness 3	10-38
B-033	Body Control Module – A	10-39
B-034	Body Control Module – B	10-39
B-035	Body Control Module – C	10-39

Wire Harness Connector	Appellation	Page Number
B-036	Body Control Module – D	10-39
B-060	Instrument Panel Fuse Box – 3	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42
B-094	Interior Wire Harness to Rear Right Door Wire Harness	10-43
B-099	Hood Lock Switch	10-43
B-124	Back Door Controller – A	10-44
B-131	Electric Fuel Tank Cap	10-45
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56
F-007	Front Left Door Lock	10-56
F-010	Central Control Lock Switch	10-56

Wire Harness Connector	Appellation	Page Number
F-016	Door Courtesy Module B	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-005	Front Right Door Lock	10-58
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-020	Instrument Panel Left Switch	10-53
I-027	Instrument Panel Wire Harness to Interior Wire Harness 3	10-53
L-001	Interior Wire Harness to Rear Left Door Wire Harness	10-60
L-005	Rear Left Door Lock	10-60
R-001	Interior Wire Harness to Rear Right Door Wire Harness	10-62
R-005	Rear Right Door Lock	10-62
T-001	Interior Wire Harness to Back Door Wire Harness 1	10-64
T-007	Door Lock Motor	10-64

Wire Harness Connector	Appellation	Page Number
GB-078	Ground	10-41
GB-081	Ground	10-41
GB-134	Ground	10-45
GB-135	Ground	10-45
GB-243	Ground	10-47

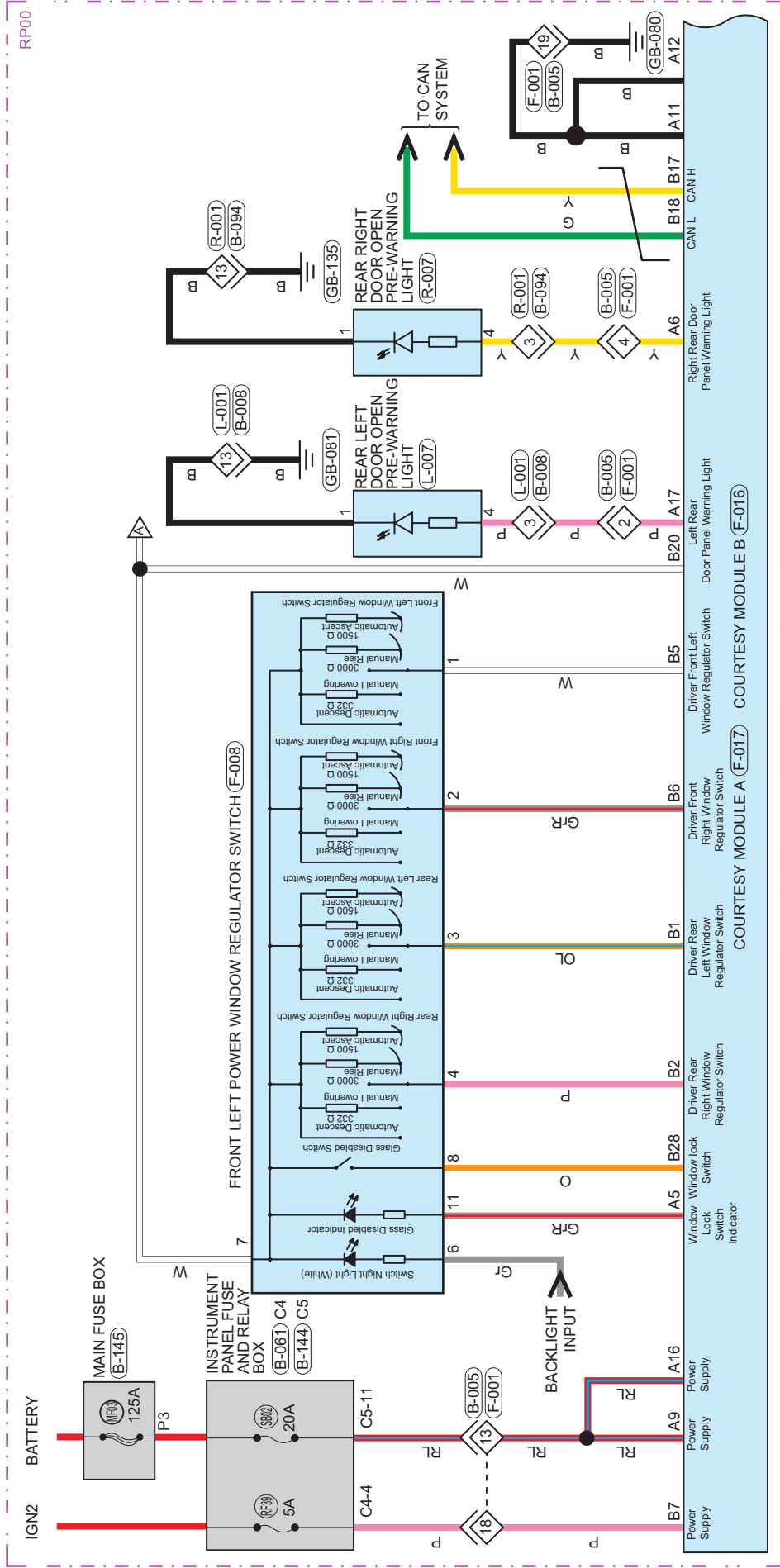
Window



EWD040001



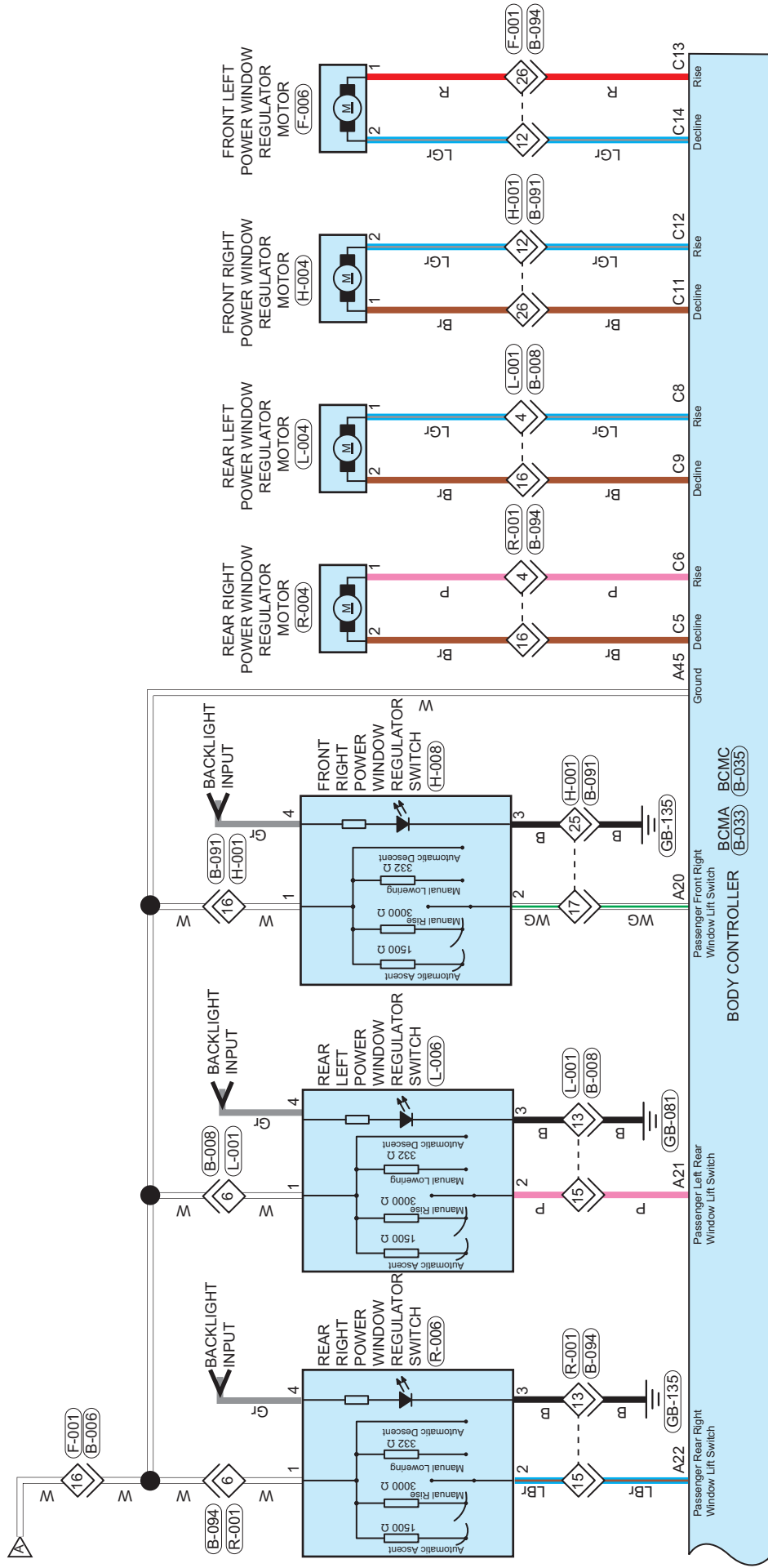
Window



EWD041001



Window



EWD042001



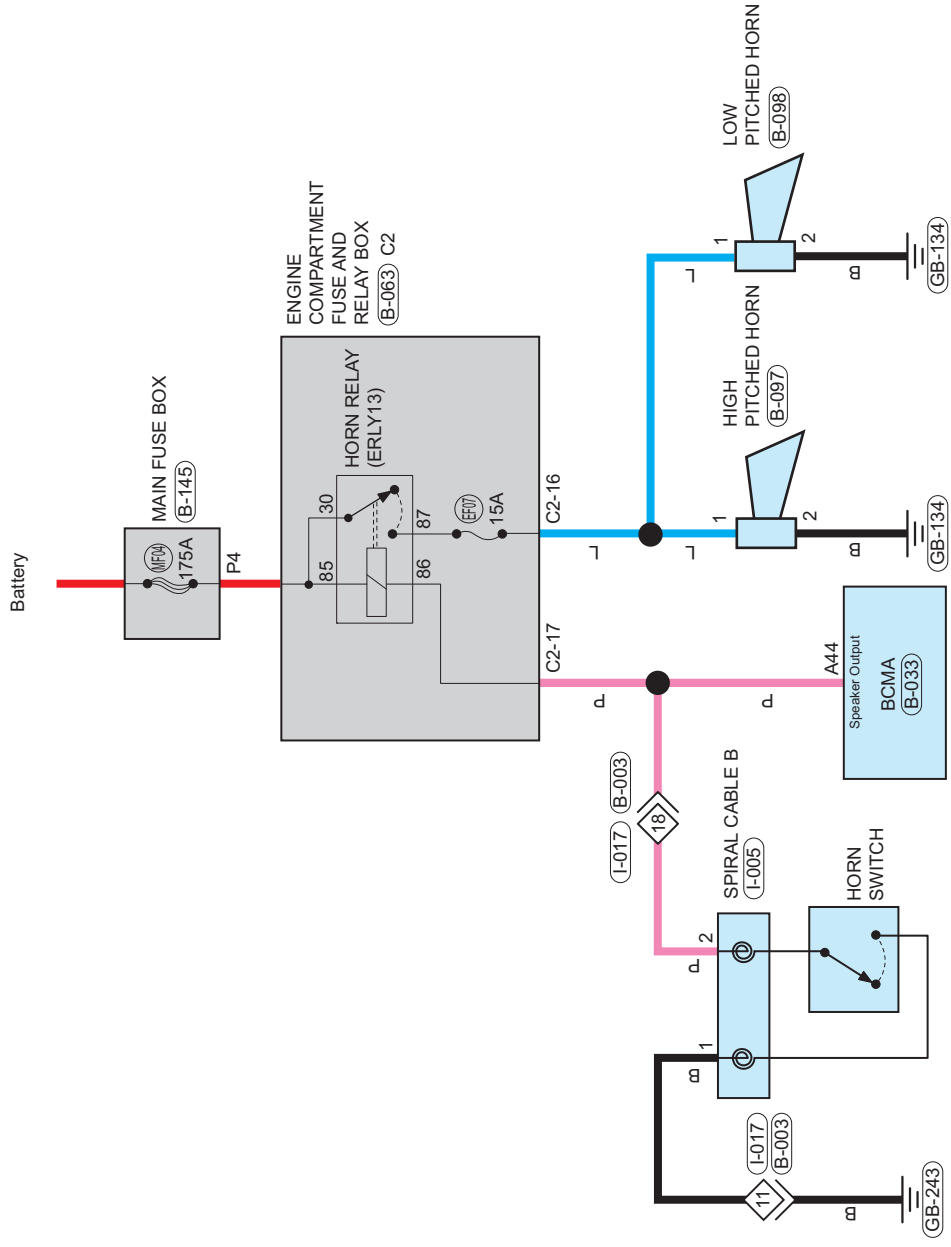
Window

Wire Harness Connector	Appellation	Page Number
B-005	Interior Wire Harness to Front Left Door Wire Harness 1	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-008	Interior Wire Harness to Rear Left Door Wire Harness	10-38
B-033	Body Control Module – A	10-39
B-035	Body Control Module – C	10-39
B-037	Body Control Module – E	10-39
B-060	Instrument Panel Fuse Box – 3	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42
B-094	Interior Wire Harness to Rear Right Door Wire Harness	10-43

Wire Harness Connector	Appellation	Page Number
B-144	Engine Compartment Fuse Box – 1	10-45
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56
F-006	Front Left Power Window Regulator Motor	10-56
F-008	Front Left Power Window Regulator Switch	10-56
F-016	Door Courtesy Module B	10-56
F-017	Door Courtesy Module A	10-56
H-004	Front Right Power Window Regulator Motor	10-58
H-008	Front Right Power Window Regulator Switch	10-58
L-001	Interior Wire Harness to Rear Left Door Wire Harness	10-60

Wire Harness Connector	Appellation	Page Number
L-004	Rear Left Power Window Regulator Motor	10-60
L-006	Rear Left Power Window Regulator Switch	10-60
L-007	Rear Left Door Open Warning Light	10-60
R-001	Interior Wire Harness to Rear Right Door Wire Harness	10-62
R-004	Rear Right Power Window Regulator Motor	10-62
R-006	Rear Right Power Window Regulator Switch	10-62
R-007	Rear Right Door Open Warning Light	10-62
GB-078	Ground	10-41
GB-080	Ground	10-41
GB-081	Ground	10-41
GB-135	Ground	10-45

Horn



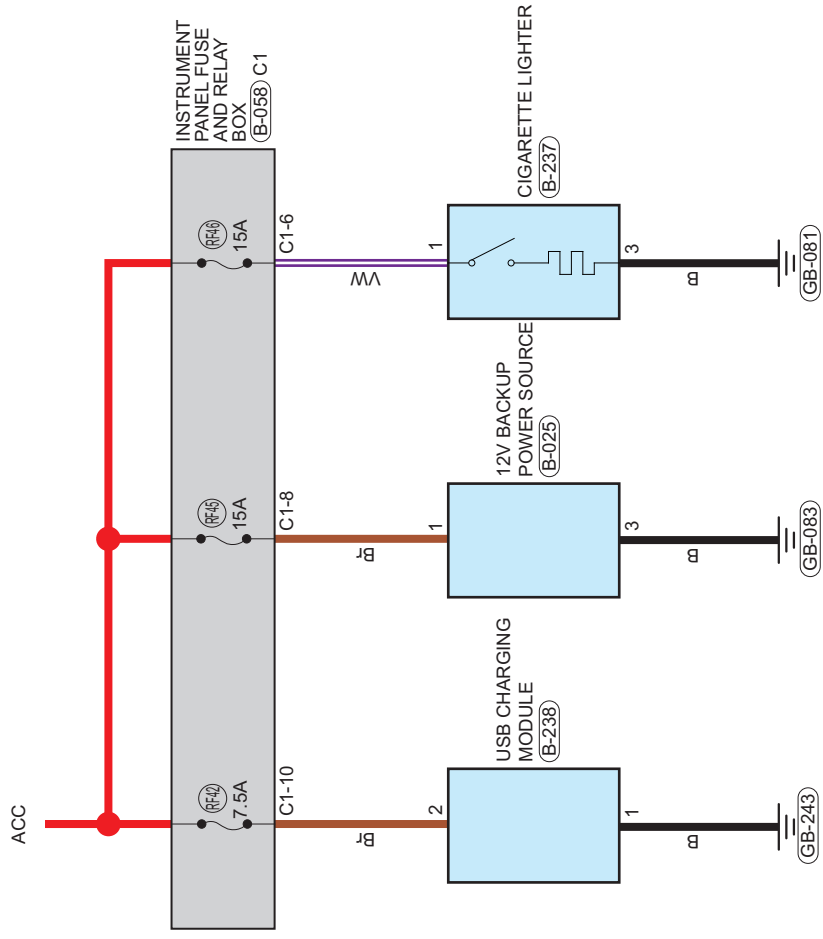
EWD043001



Horn

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-033	Body Control Module – A	10-39
B-063	Engine Compartment Fuse Box – 2	10-41
B-097	High Pitched Horn	10-43
B-098	Low Pitched Horn	10-43
I-005	Steering Column Module B	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
GB-134	Ground	10-45
GB-243	Ground	10-47

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



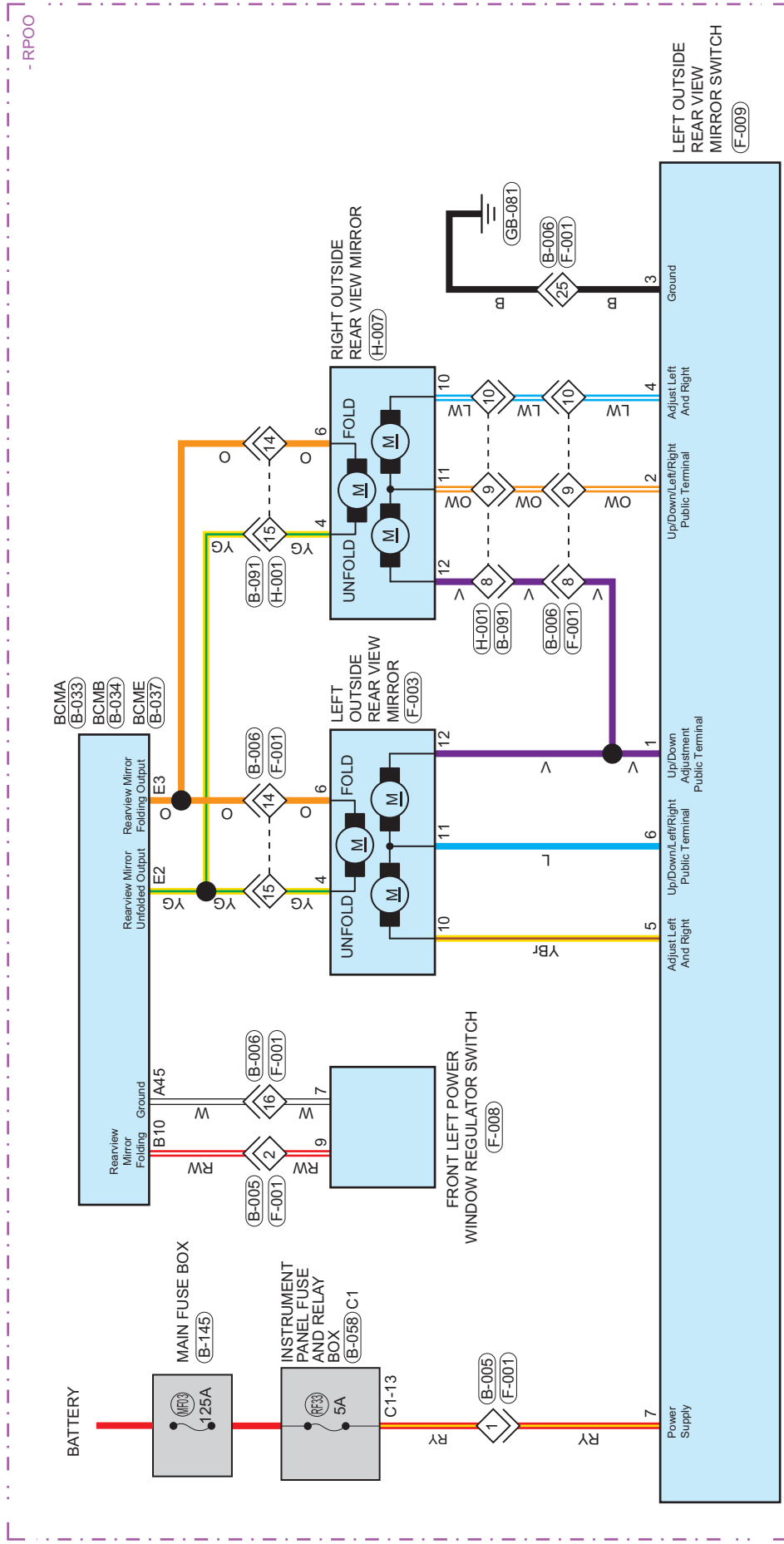
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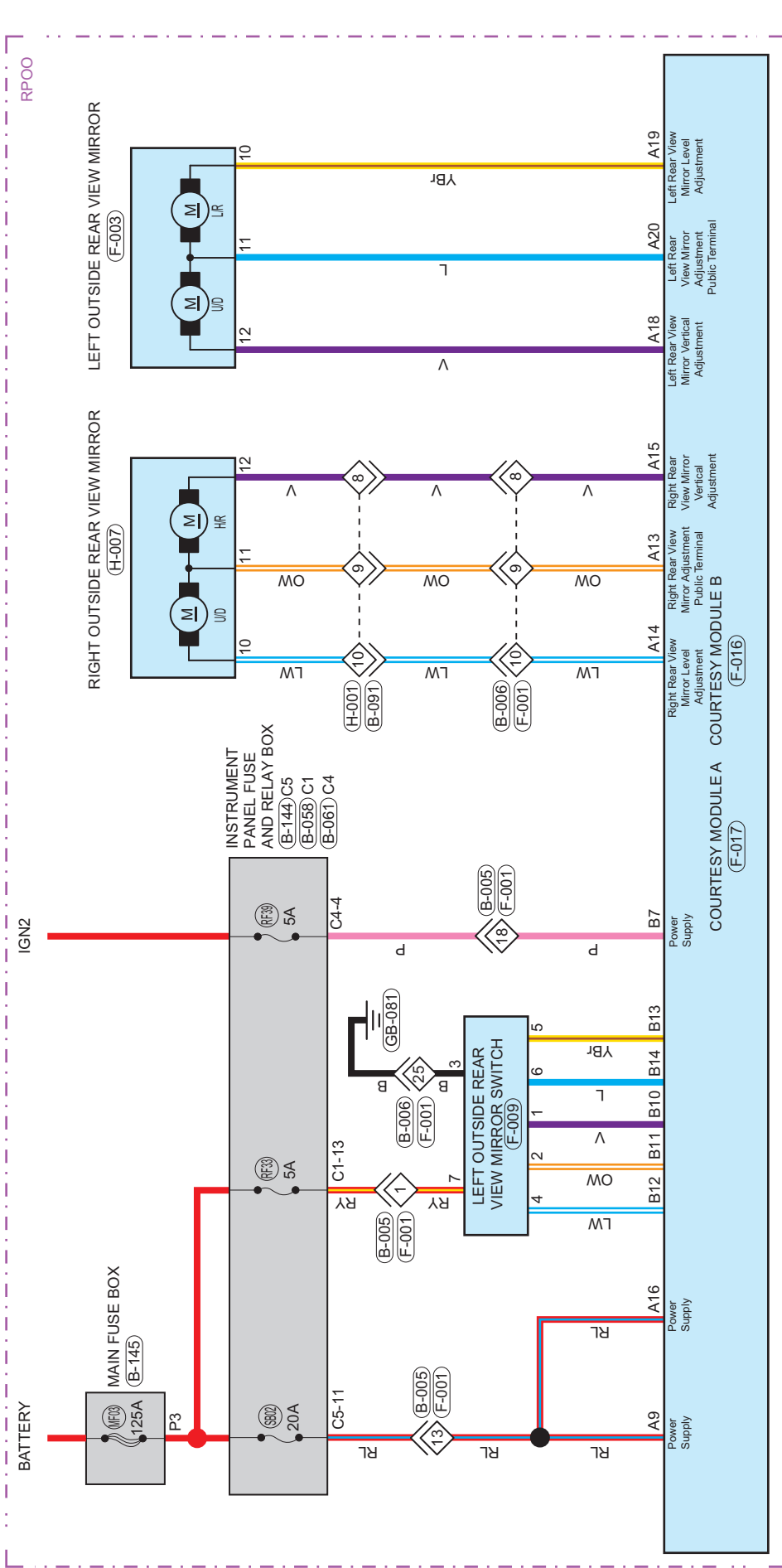
Other System (Lighter, Backup Power Supply, USB Charging Module)

Wire Harness Connector	Appellation	Page Number
B-025	12V Backup Power Supply	10-39
B-058	Instrument Panel Fuse Box – 1	10-41
B-237	Cigarette Lighter	10-47
B-238	USB Charging Module	10-47
GB-081	Ground	10-41
GB-083	Ground	10-41
GB-243	Ground	10-47

Rear View Mirror



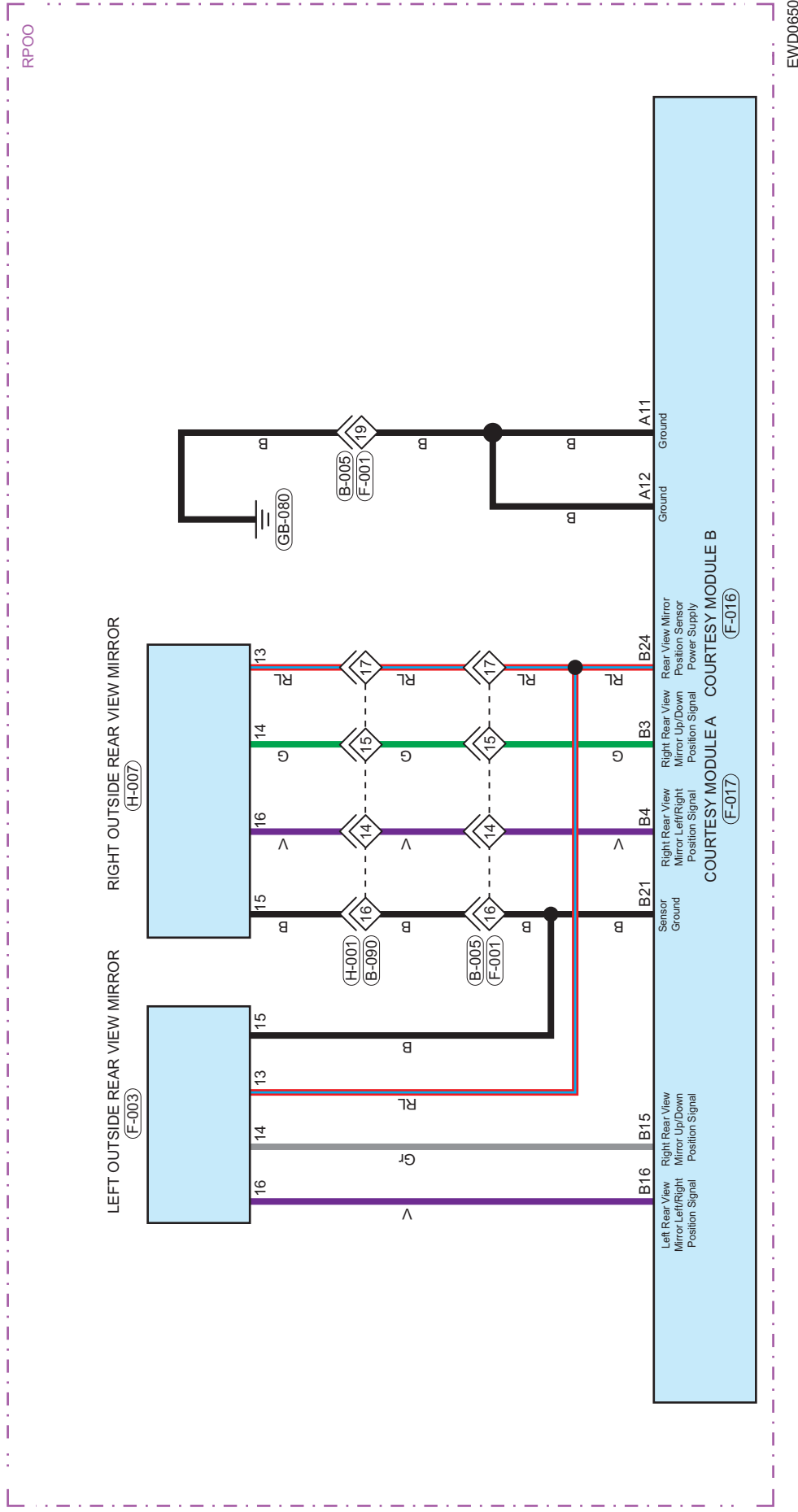
Rear View Mirror



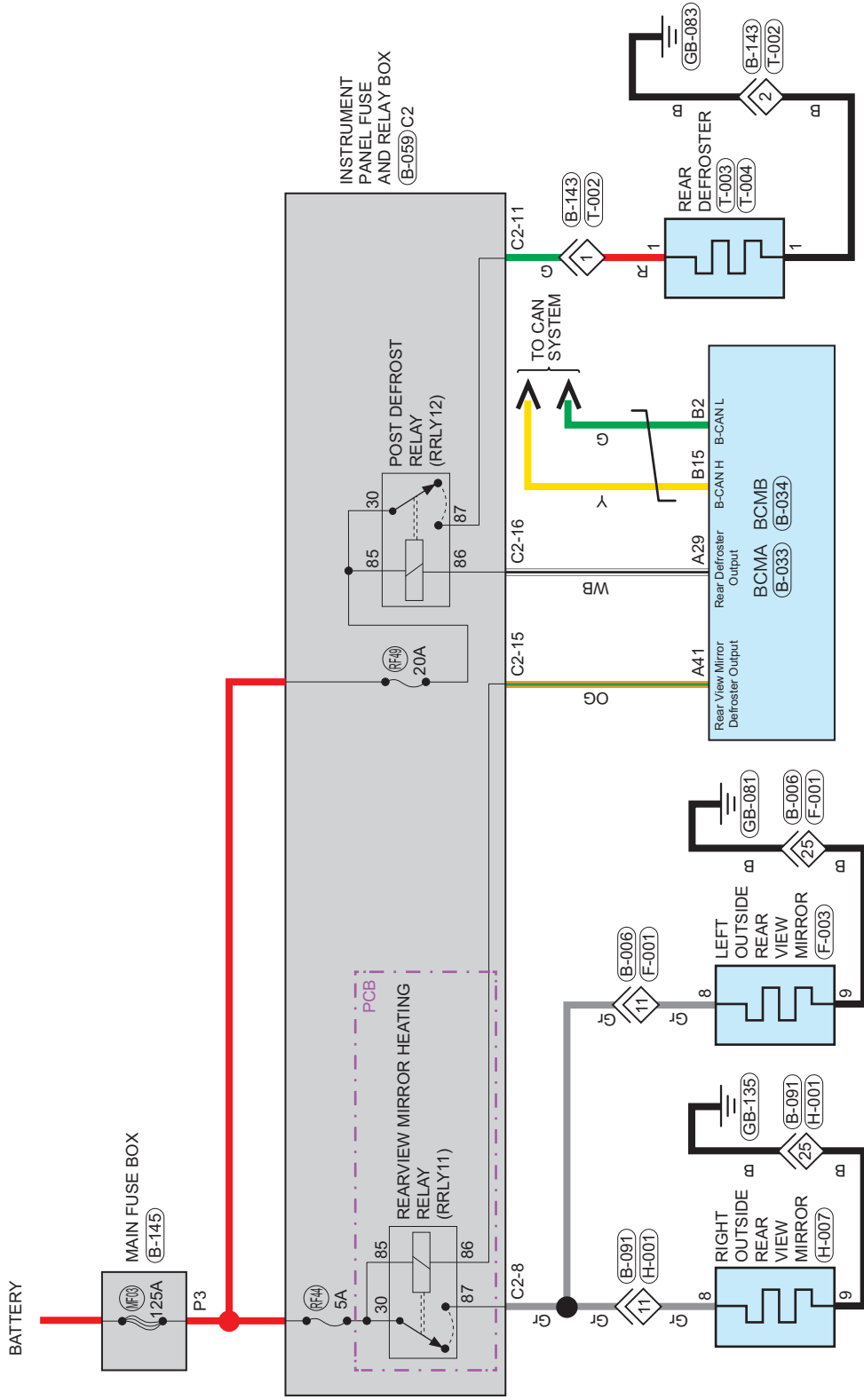
EWD064001



Rear View Mirror



Rear View Mirror Heater, Rear Defroster



EWD066001



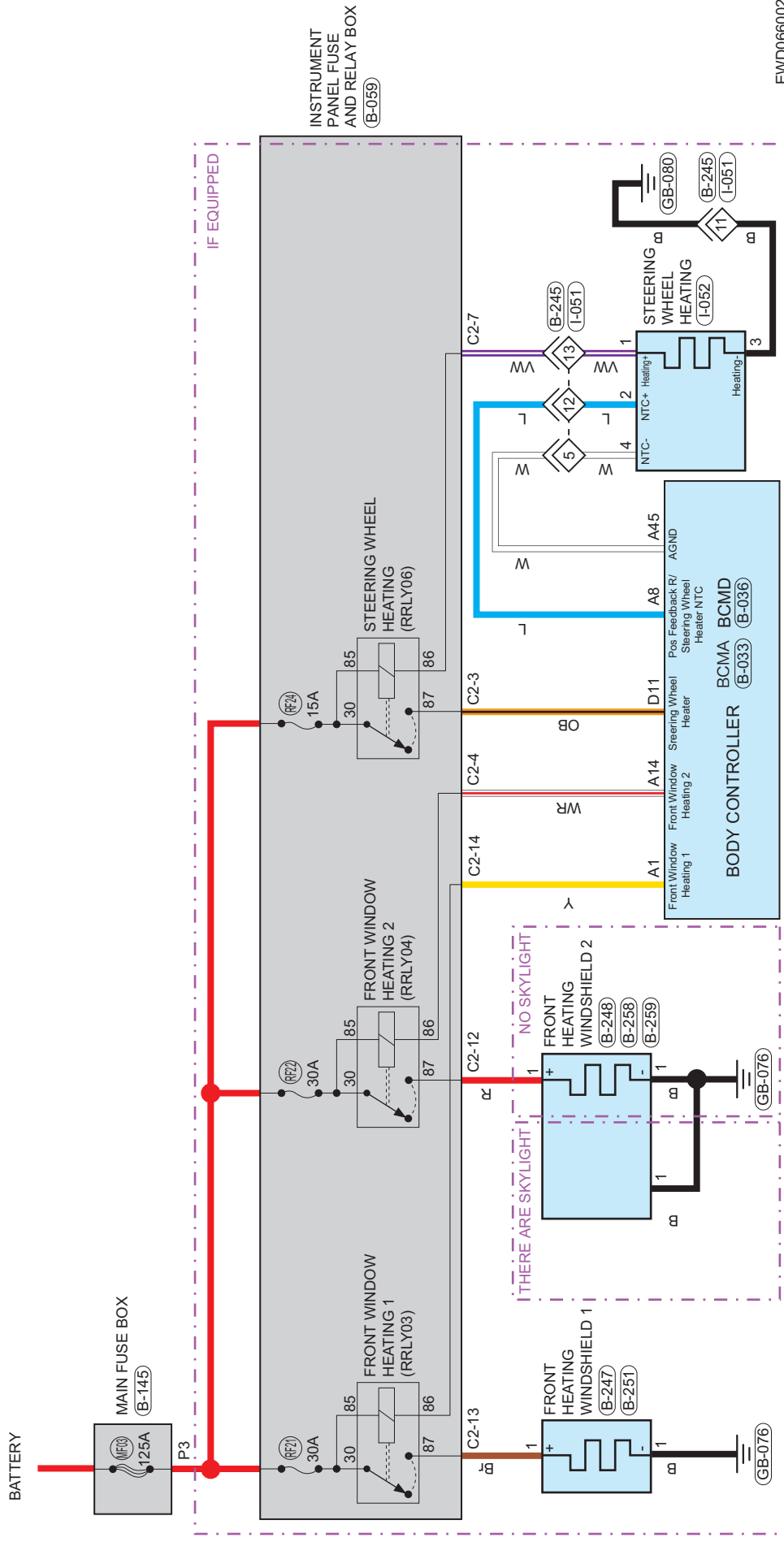
Rear View Mirror

Wire Harness Connector	Appellation	Page Number
B-005	Interior Wire Harness to Front Left Door Wire Harness 1	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-033	Body Control Module – A	10-39
B-034	Body Control Module – B	10-39
B-037	Body Control Module – E	10-39
B-058	Instrument Panel Fuse Box – 1	10-41
B-059	Instrument Panel Fuse Box – 2	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-090	Interior Wire Harness to Front Right Door Wire Harness 1	10-42
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42

Wire Harness Connector	Appellation	Page Number
B-143	Interior Wire Harness to Back Door Wire Harness 2	10-45
B-144	Engine Compartment Fuse Box – 1	10-45
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56
F-003	Left Outside Rear View Mirror	10-56
F-008	Front Left Power Window Regulator Switch	10-56
F-009	Left Outside Rear View Mirror Switch	10-56
F-016	Door Courtesy Module B	10-56
F-017	Door Courtesy Module A	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-007	Right Outside Rear View Mirror	10-58

Wire Harness Connector	Appellation	Page Number
T-002	Interior Wire Harness to Back Door Wire Harness 2	10-64
T-003	Rear Defroster Positive	10-64
T-004	Rear Defroster Negative	10-64
GB-080	Ground	10-41
GB-081	Ground	10-41
GB-083	Ground	10-41
GB-135	Ground	10-45

Front Heating Windshield, Steering Wheel Heating



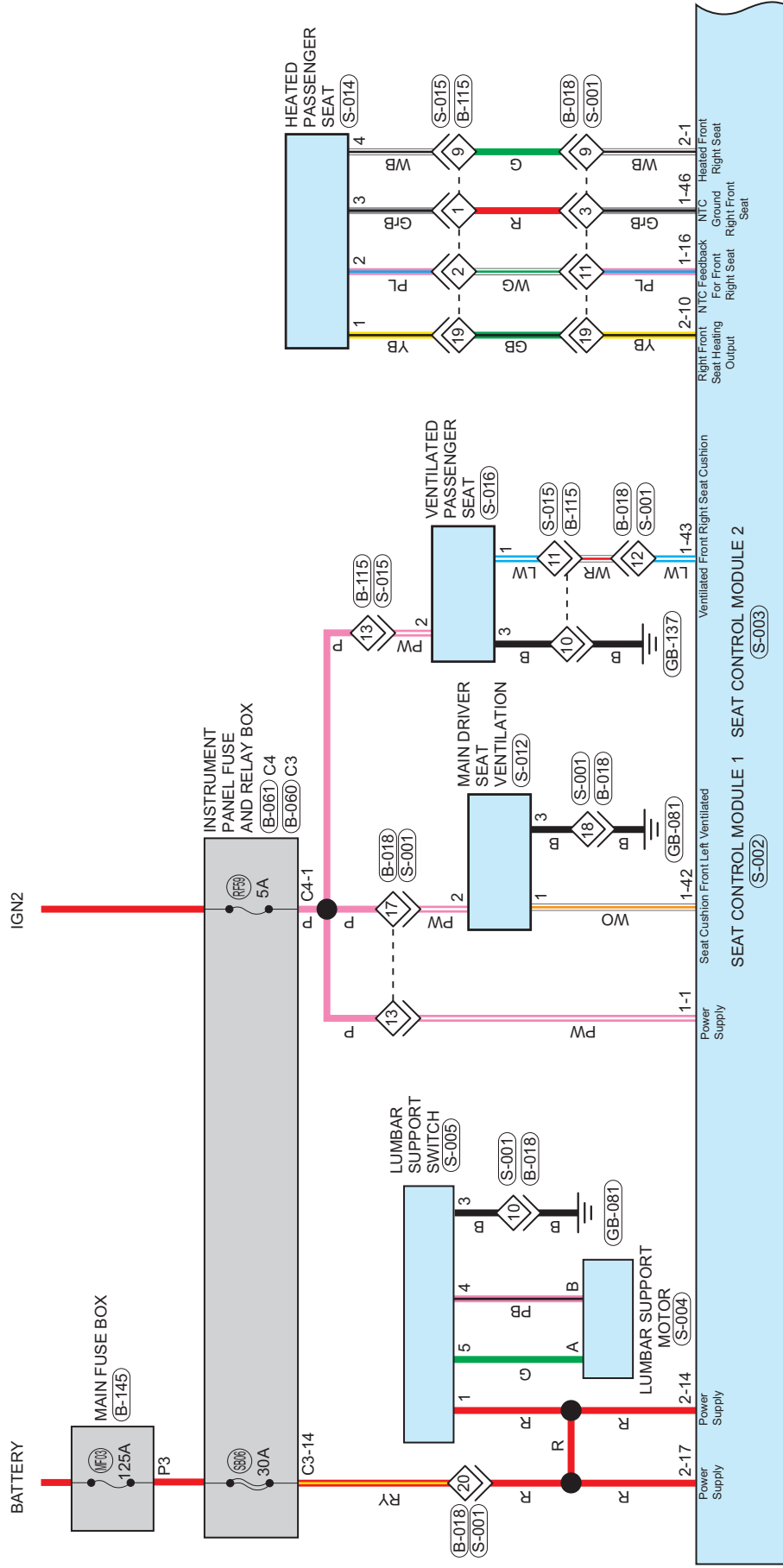
EWD066002



Front Heating Windshield, Steering Wheel Heating

Wire Harness Connector	Appellation	Page Number
B-059	Instrument Panel Fuse Box - 2	10-41
B-247	FRONT Heating Windshield 1 PWR	10-47
B-251	FRONT Heating Windshield 1 GND	10-47
B-248	FRONT Heating Windshield 2 PWR	10-47
B-258	FRONT Heating Windshield 2 GND	10-47
B-259	FRONT Heating Windshield 2 GND	10-47
I-052	Steering Wheel Heating	10-54
B-033	Body Control Module-A	10-39
B-036	Body Control Module-D	10-39
GB-076	Ground	10-41
GB-080	Ground	10-41

Seat

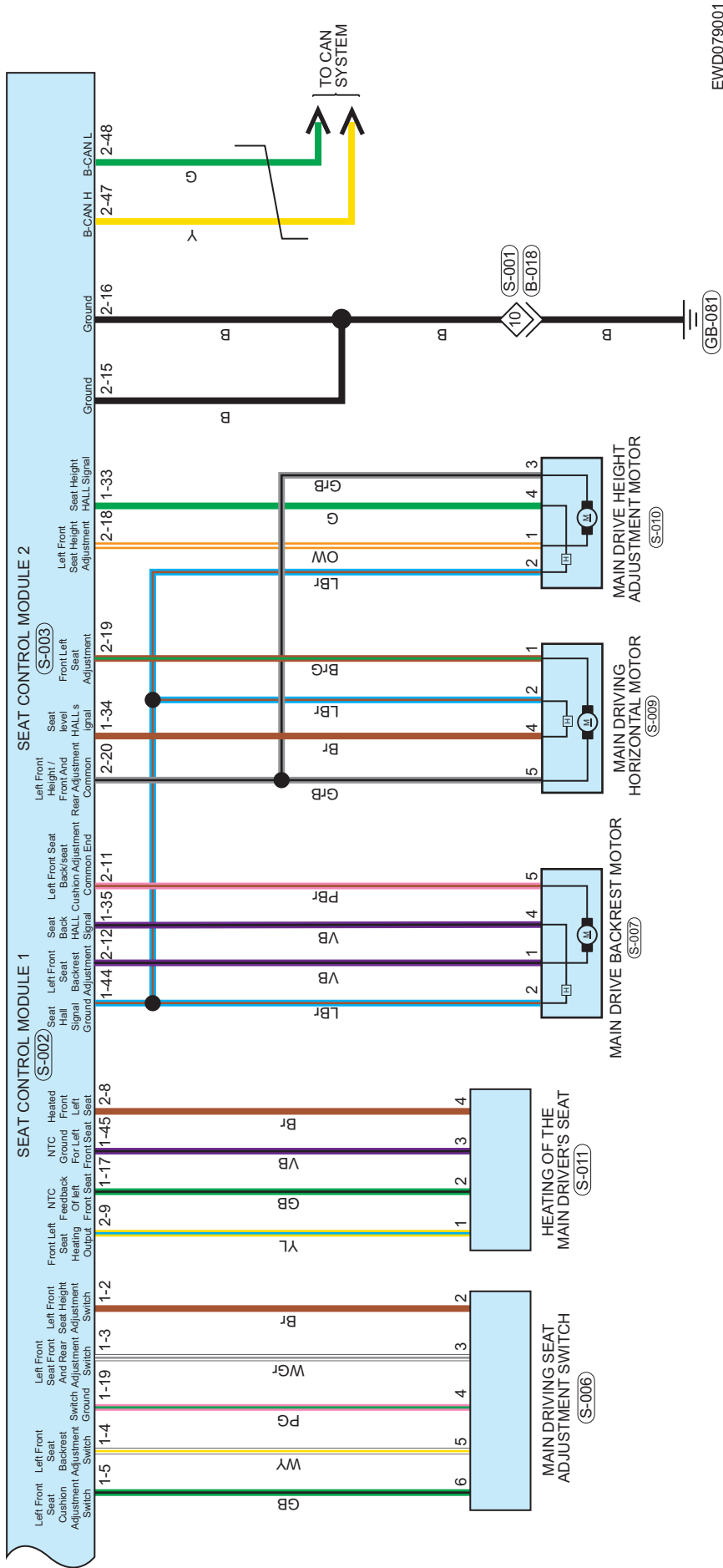


EWD078001



11 – System Circuit Diagram

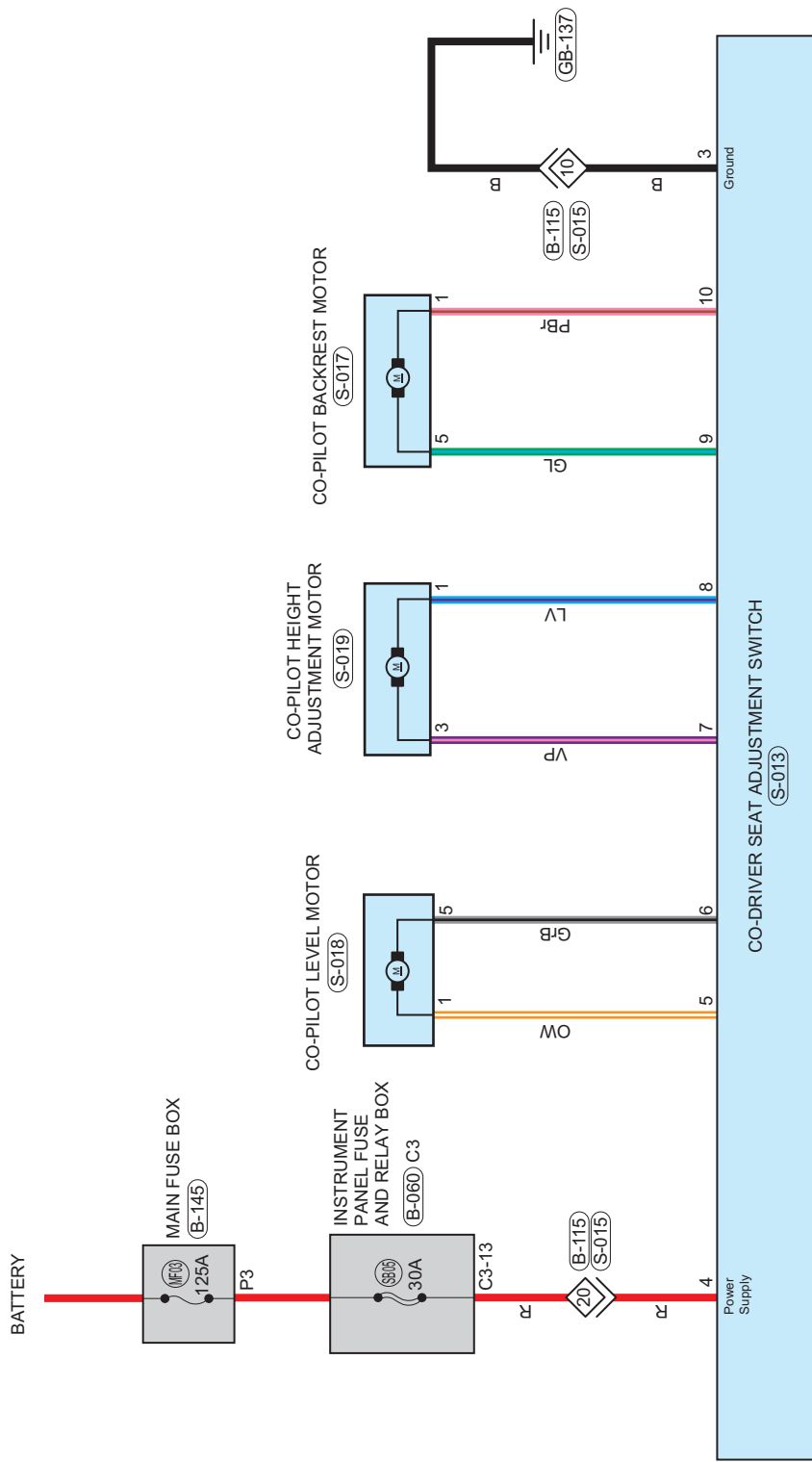
Seat



EWD079001



Seat



EWD080001

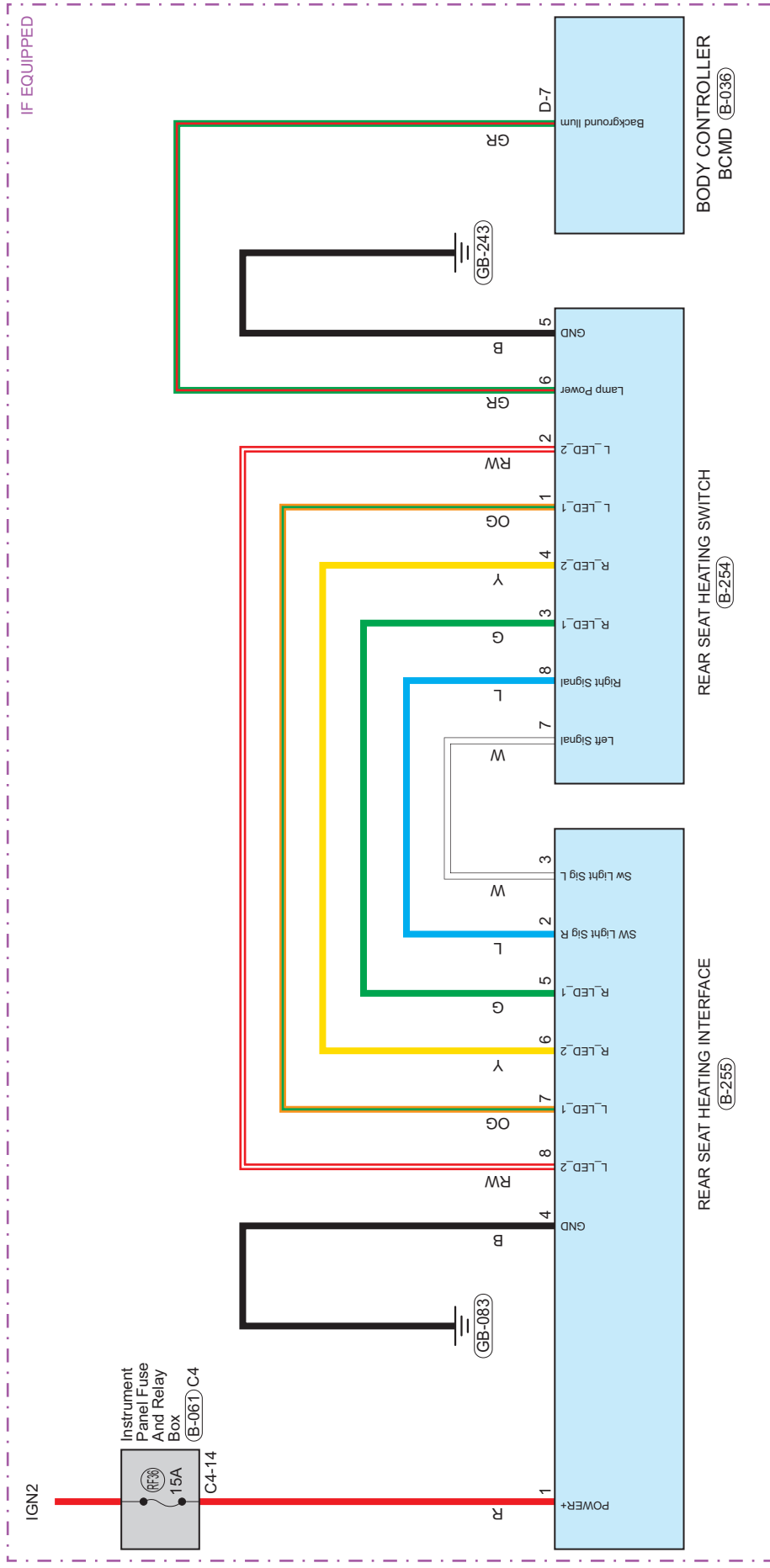


Seat

Wire Harness Connector	Appellation	Page Number
B-018	Interior Wire Harness to Driver Seat Wire Harness	10-39
B-060	Instrument Panel Fuse Box – 3	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-115	Interior Wire Harness to Front Passenger Seat Wire Harness	10-44
S-001	Driver Seat Wire Harness to Interior Wire Harness	10-70
S-002	Seat Control Module 1	10-70
S-003	Seat Control Module 2	10-70
S-004	Lumbar Support Motor	10-70
S-005	Lumbar Support Switch	10-70
S-006	Driver Seat Adjustment Switch	10-70
S-007	Driver Seatback Motor	10-70
S-009	Driver Horizontal Motor	10-70

Wire Harness Connector	Appellation	Page Number
S-010	Driver Raising Motor	10-70
S-011	Driver Seat Heater	10-70
S-012	Driver Seat Ventilation	10-70
S-013	Front Passenger Seat Adjustment Switch	10-70
S-014	Front Passenger Seat Heater	10-70
S-015	Front Passenger Seat Wire Harness to Interior Wire Harness	10-70
S-016	Front Passenger Seat Ventilation	10-70
S-017	Front Passenger Seatback Motor	10-70
S-018	Front Passenger Horizontal Motor	10-70
S-019	Front Passenger Raising Motor	10-70
GB-081	Ground	10-41
GB-137	Ground	10-45

Rear Seat Heating



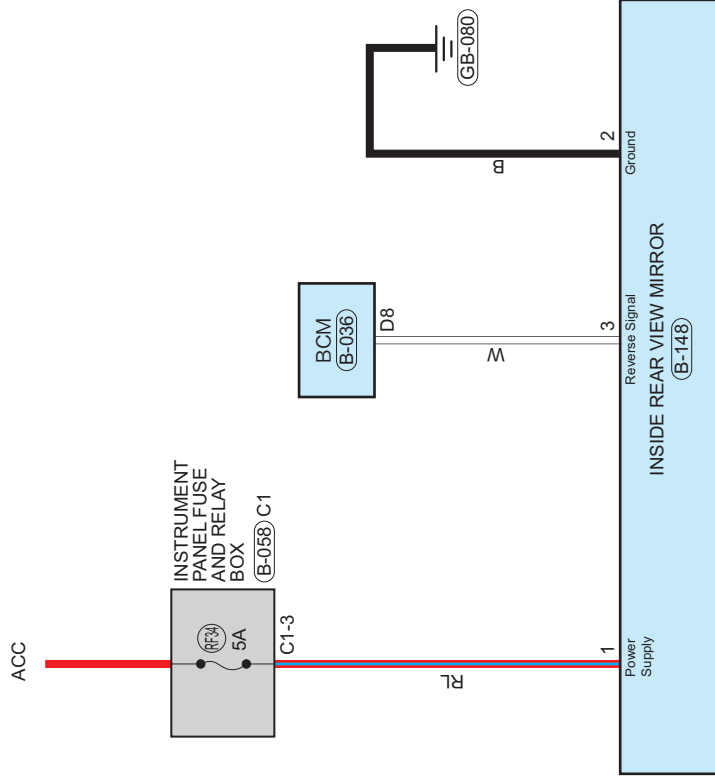
EWD079002



Rear Seat Heating

Wire Harness Connector	Appellation	Page Number
B-061	Instrument Panel Fuse BOX-4	10-41
B-255	Rear Seat Heating Interface	10-47
B-254	Rear Seat Heating Switch	10-47
B-036	Body Control Module-D	10-39
GB-083	Ground	10-41
GB-243	Ground	10-47

Inside Rear View Mirror



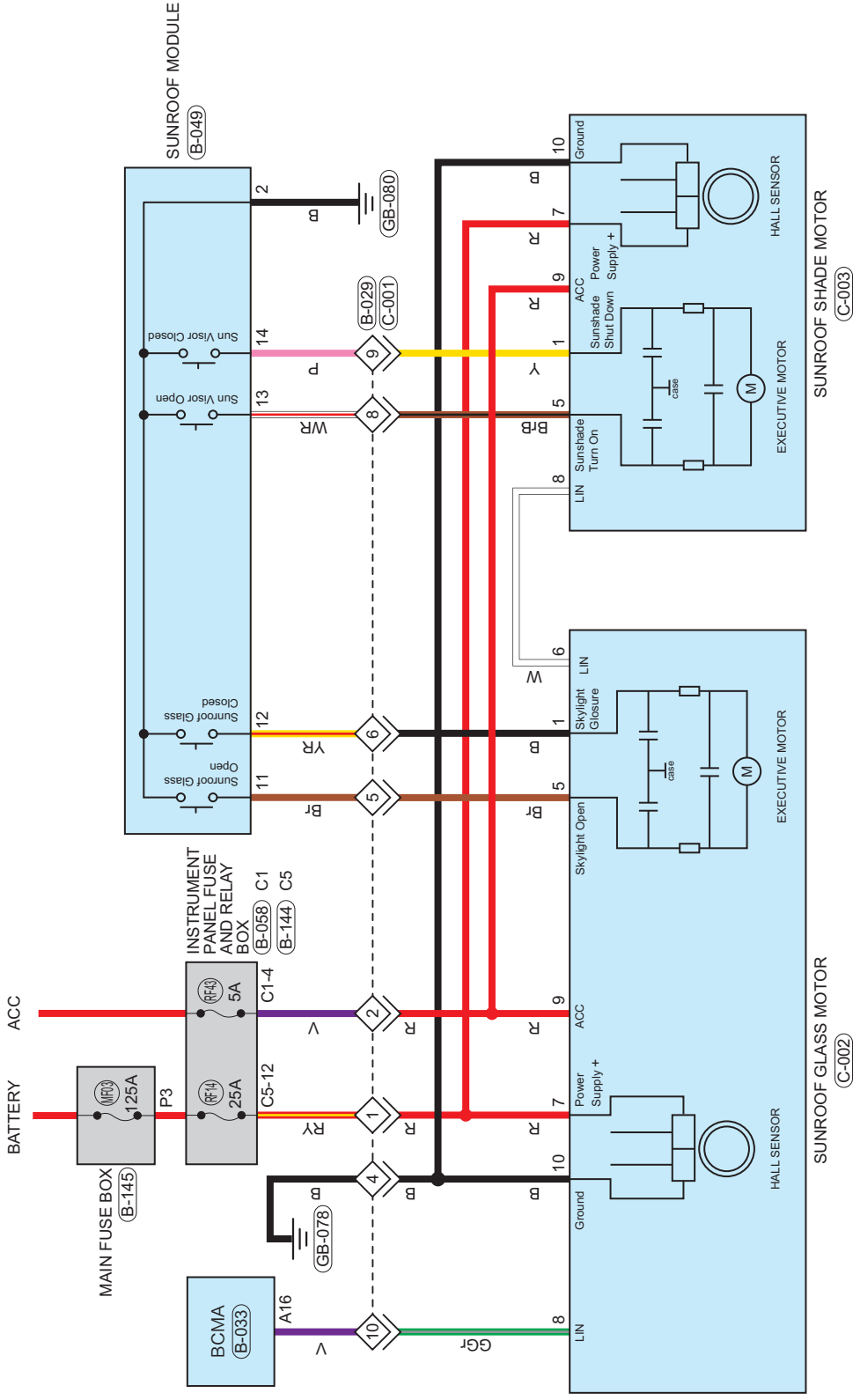
EWD081001



Inside Rear View Mirror

Wire Harness Connector	Appellation	Page Number
B-036	Body Control Module - D	10-39
B-058	Instrument Panel Fuse Box - 1	10-41
B-148	Inside Rear View Mirror	10-45
GB-080	Ground	10-41

Sunroof



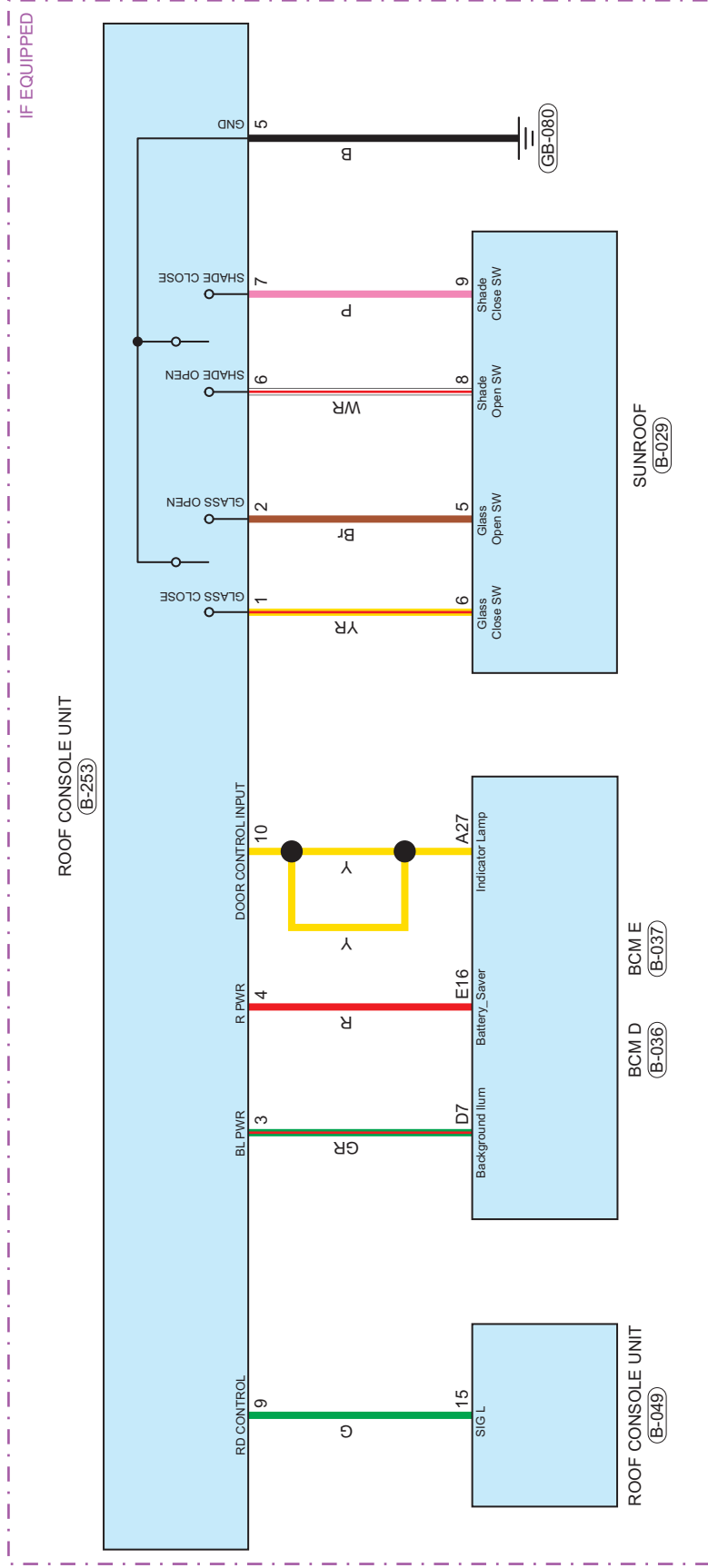
EWD045001



Sunroof

Wire Harness Connector	Appellation	Page Number
B-029	Sunroof	10-39
B-033	Body Control Module – A	10-39
B-049	Sunroof Switch	10-40
B-058	Instrument Panel Fuse Box – 1	10-41
B-144	Engine Compartment Fuse Box – 1	10-45
C-001	Interior Wire Harness to Sunroof Wire Harness	
C-002	Sunroof Glass Motor	
C-003	Sunroof Shade Motor	
GB-078	Ground	10-41
GB-080	Ground	10-41

Roof Console Unit



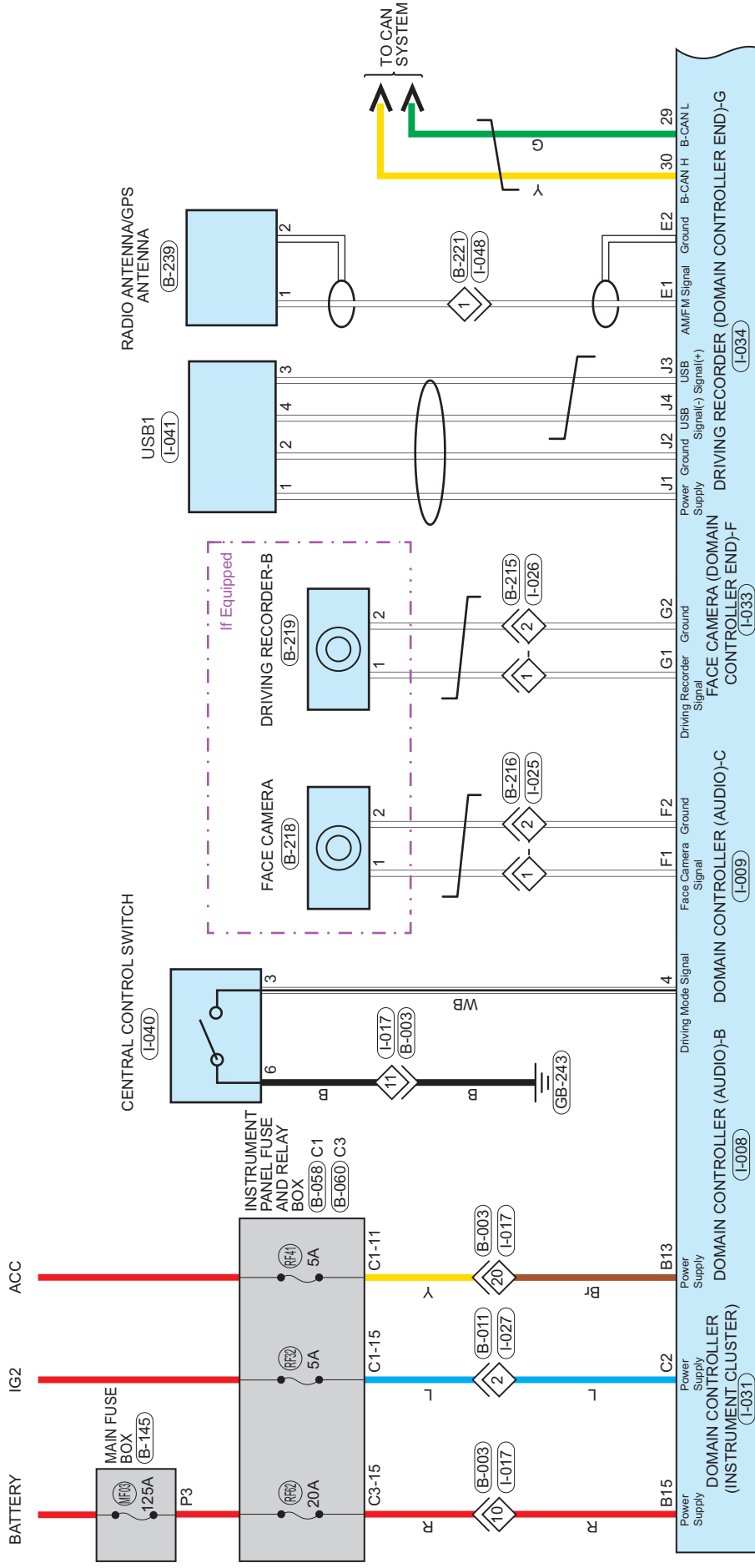
EWD045002



Roof Console Unit

Wire Harness Connector	Appellation	Page Number
B-253	ROOF CONSOLE UNIT	10-47
B-049	ROOF CONSOLE UNIT	10-40
B-036	Body Control Module-D	10-39
B-037	Body Control Module-E	10-39
B-029	SUNROOF	10-39
GB-080	Ground	0-41

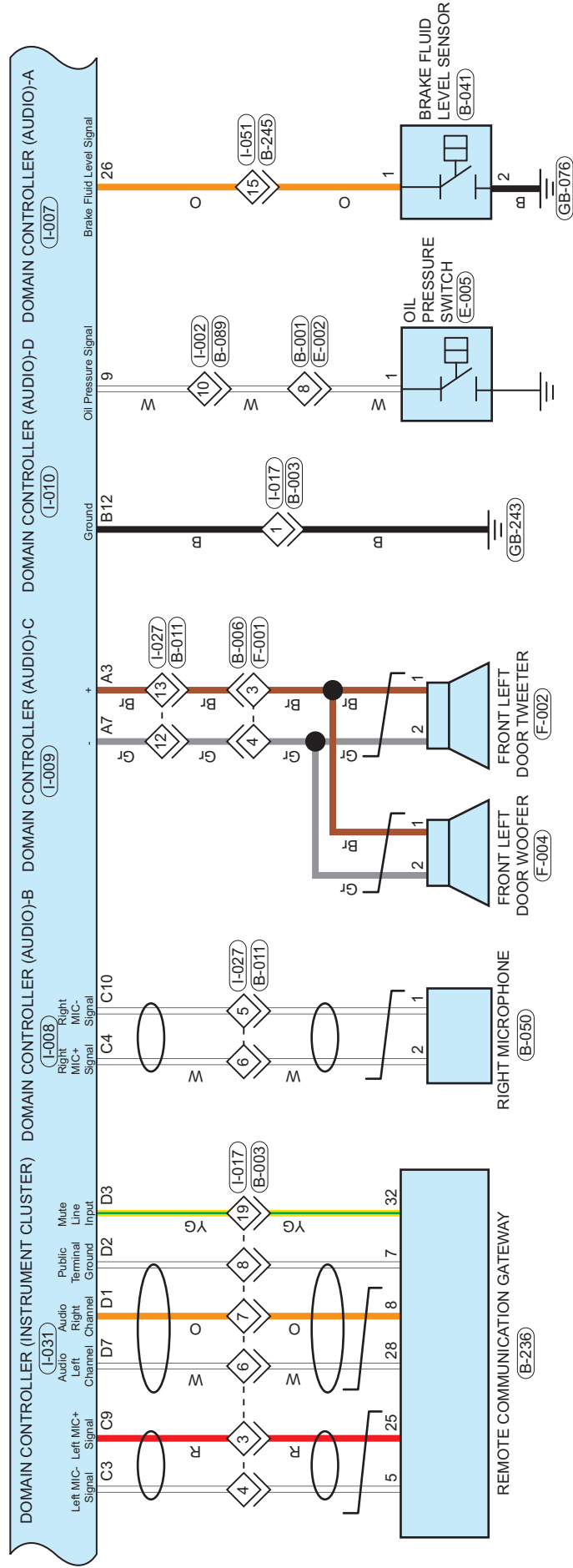
Domain Controller (Instrument Cluster/Audio)



EWD046001



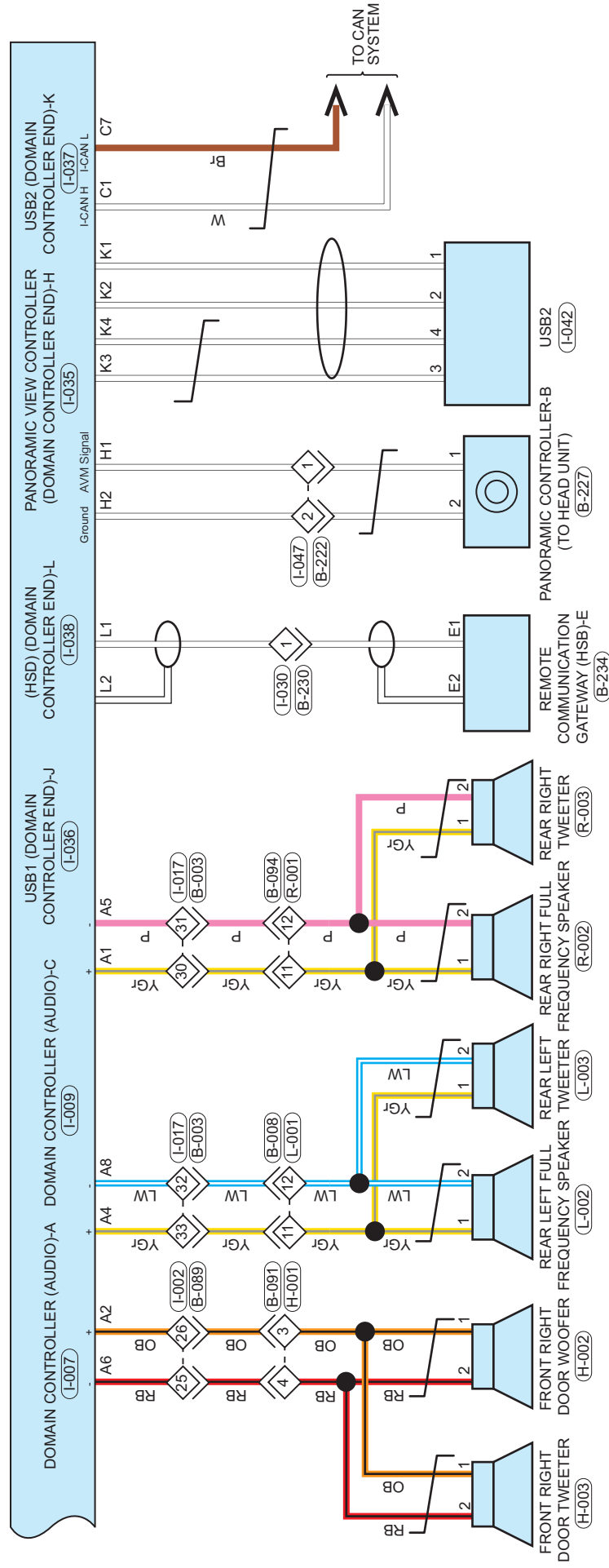
Domain Controller (Instrument Cluster/Audio)



EWD047001



Domain Controller (Instrument Cluster/Audio)



EWD048001



Domain Controller (Instrument Cluster/Audio)

Wire Harness Connector	Appellation	Page Number
B-001	Interior Wire Harness to Engine Wire Harness	10-37
B-002	Interior Wire Harness to Instrument Panel Wire Harness 1	10-47
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-008	Interior Wire Harness to Rear Left Door Wire Harness	10-38
B-011	Interior Wire Harness to Instrument Panel Wire Harness 3	10-38
B-041	Brake Fluid Level Sensor	10-40
B-050	Right Microphone	10-40
B-058	Instrument Panel Fuse Box – 1	10-41
B-060	Instrument Panel Fuse Box – 3	10-41

Wire Harness Connector	Appellation	Page Number
B-089	Interior Wire Harness to Instrument Panel Wire Harness	10-42
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42
B-094	Interior Wire Harness to Rear Right Door Wire Harness	10-43
B-215	Interior Wire Harness to Instrument Panel Wire Harness (Driving Recorder)	10-46
B-216	Interior Wire Harness to Instrument Panel Wire Harness (Face Camera)	10-46
B-218	Face Camera	10-46
B-219	Driving Recorder – B	10-46
B-221	Interior Wire Harness to Instrument Panel Wire Harness (Radio Antenna)	10-46
B-222	Interior Wire Harness to Instrument Panel Wire Harness (Panoramic Controller)	10-46

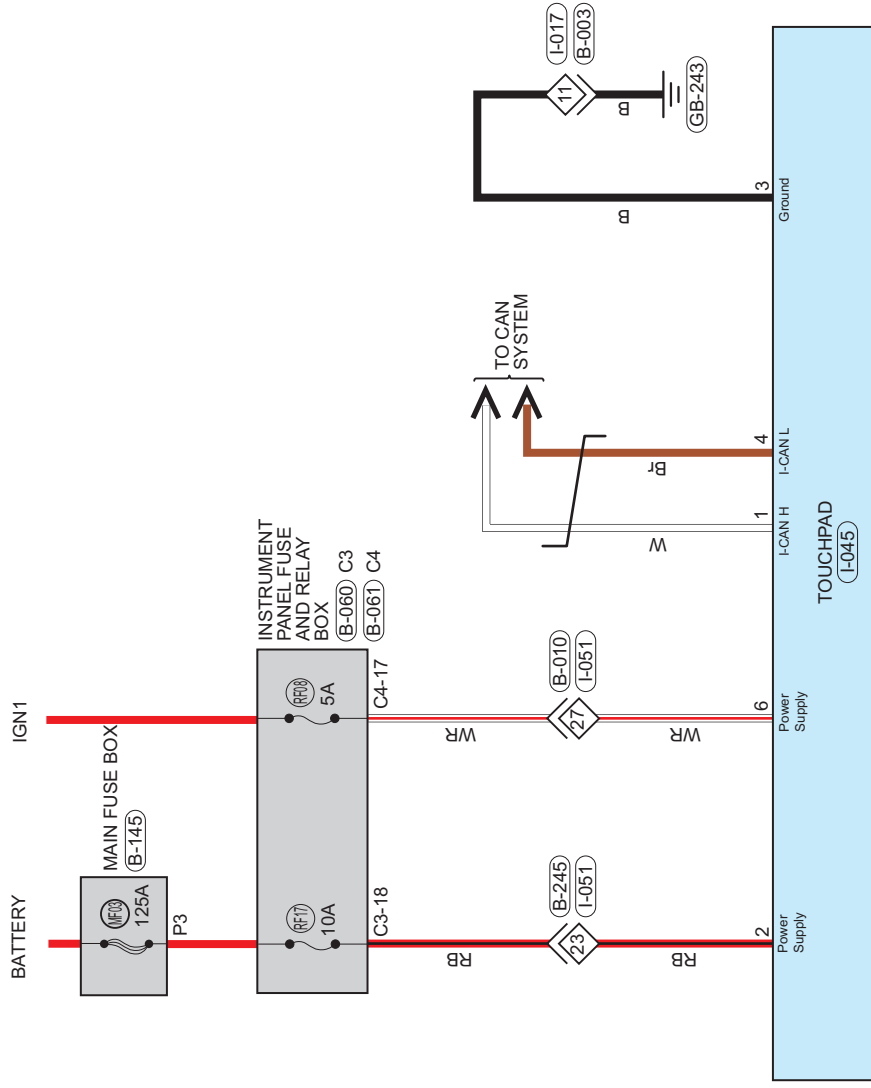
Wire Harness Connector	Appellation	Page Number
B-227	Panoramic Controller – B (to Head Unit)	10-46
B-230	Interior Wire Harness to Instrument Panel Wire Harness (DMC)	10-46
B-234	Remote Communication Gateway (HSB) – E	10-46
B-236	Remote Communication Gateway – A	10-47
B-239	Radio Antenna/GPS Antenna	10-47
E-002	Engine Wire Harness to Interior Wire Harness	10-5
E-005	Oil Pressure Switch	10-5
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56
F-002	Front Left Door Tweeter	10-56
F-004	Front Left Door Woofer	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58

Wire Harness Connector	Appellation	Page Number
H-002	Front Right Door Woofer	10-58
H-003	Front Right Door Tweeter	10-58
I-001	Instrument Panel Wire Harness to Interior Wire Harness 1	10-52
I-002	Instrument Panel Wire Harness to Interior Wire Harness 3	10-52
I-007	Domain Controller (Audio) – A	10-52
I-008	Domain Controller (Audio) – B	10-52
I-009	Domain Controller (Audio) – C	10-52
I-010	Domain Controller (Audio) – D	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-025	Instrument Panel Wire Harness to Interior Wire Harness (Face Camera)	10-53
I-026	Instrument Panel Wire Harness to Interior Wire Harness (Driving Recorder)	10-53

Wire Harness Connector	Appellation	Page Number
I-027	Instrument Panel Wire Harness to Interior Wire Harness 3	10-53
I-030	Instrument Panel Wire Harness to Interior Wire Harness (TGW)	10-53
I-031	Domain Controller (Instrument Cluster)	10-54
I-032	Radio Antenna (Domain Controller End)	10-54
I-033	Face Camera (Domain Controller End)	10-54
I-034	Driving Recorder (Domain Controller End)	10-54
I-035	Panoramic View Controller (Domain Controller End)	10-54
I-036	USB1 (Domain Controller End)	10-54
I-037	USB2 (Domain Controller End)	10-54
I-038	HSD Wire (DMC)	10-54
I-040	Central Control Switch	10-54
I-041	USB1	10-54
I-042	USB2	10-54

Wire Harness Connector	Appellation	Page Number
I-047	Instrument Panel Wire Harness to Interior Wire Harness (AVM)	10-54
I-048	Instrument Panel Wire Harness to Interior Wire Harness (Radio Antenna)	10-54
L-001	Interior Wire Harness to Rear Left Door Wire Harness	10-60
L-002	Rear Left Woofer	10-60
L-003	Rear Left Tweeter	10-60
R-001	Interior Wire Harness to Rear Right Door Wire Harness	10-62
R-002	Rear Right Woofer	10-62
R-003	Rear Right Tweeter	10-62
GB-076	Ground	10-41
GB-243	Ground	10-47

Touch Gesture Control Pad



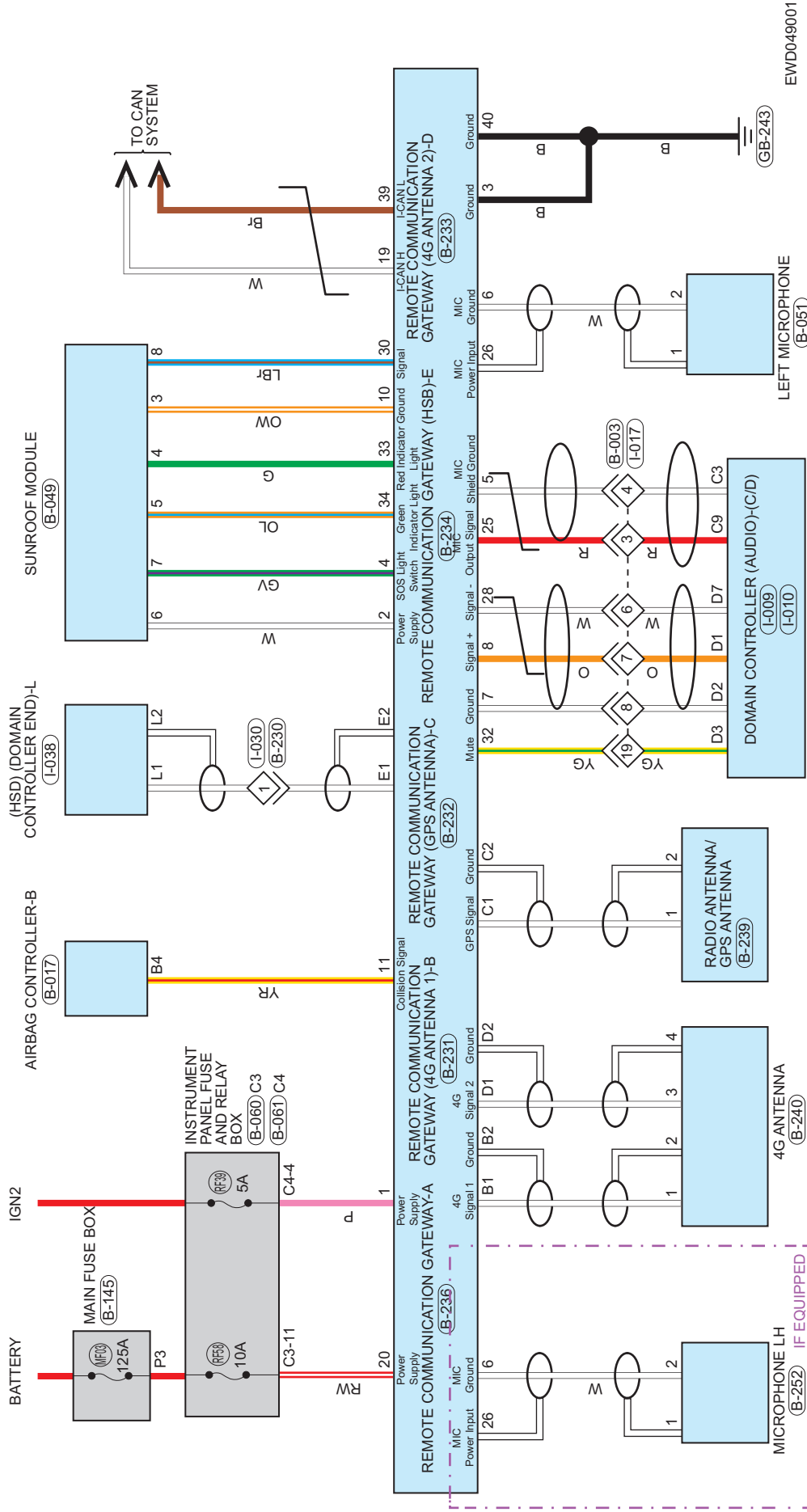
EWD050001



Touch Gesture Control Pad

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-060	Instrument Panel Fuse Box – 3	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-045	Touch Gesture Control Pad	10-54
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
GB-243	Ground	10-47

Information Communication System (TBOX)



EWD049001

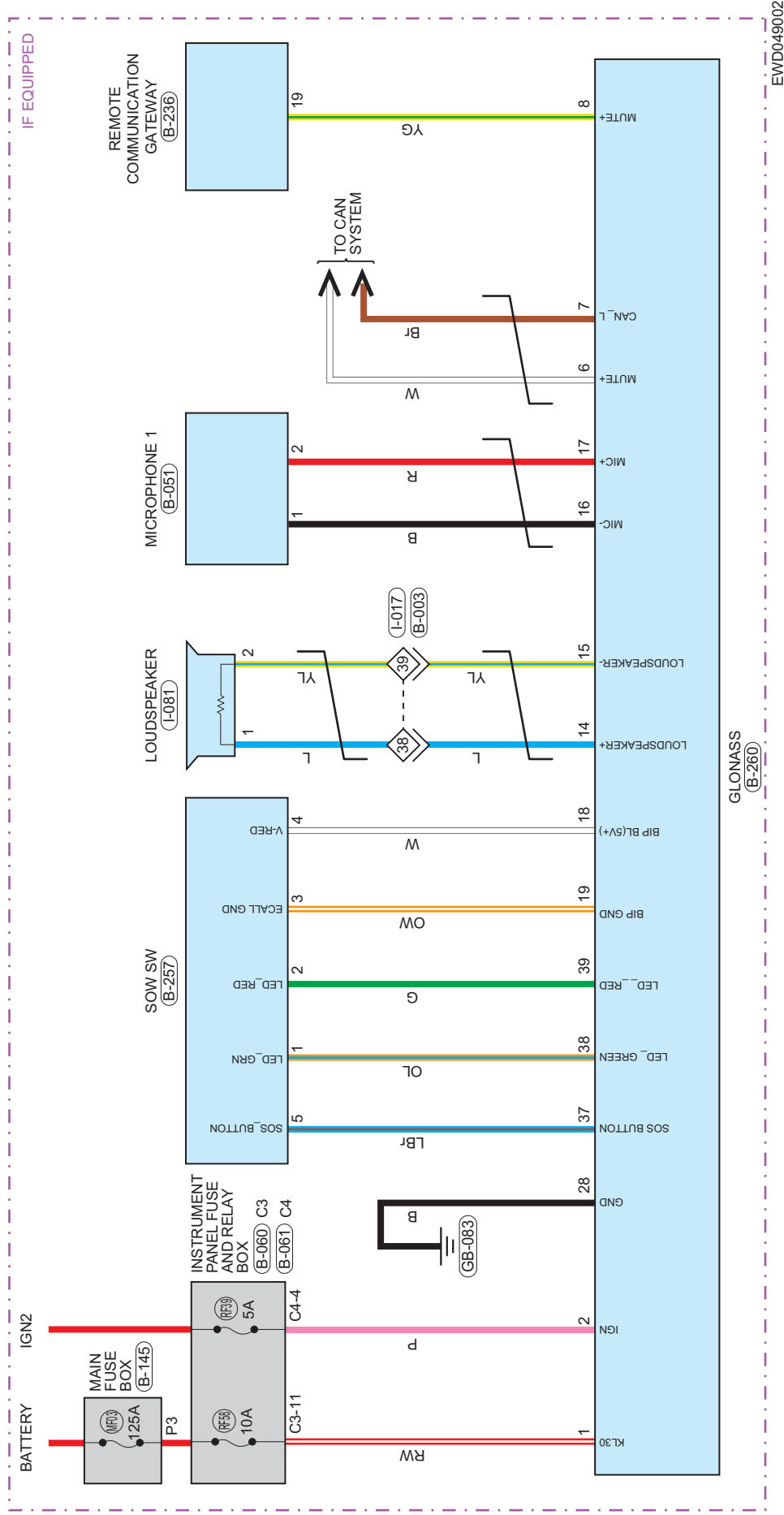


Information Communication System (TBOX)

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-017	Airbag Controller – B	10-39
B-049	Sunroof Switch	10-40
B-051	Left Microphone	10-40
B-060	Instrument Panel Fuse Box – 3	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-230	Interior Wire Harness to Instrument Panel Wire Harness (DMC)	10-46
B-231	Remote Communication Gateway (4G Antenna 1) – B	10-46
B-232	Remote Communication Gateway (GPS Antenna) – C	10-46
B-233	Remote Communication Gateway (4G Antenna 2) – D	10-46

Wire Harness Connector	Appellation	Page Number
B-234	Remote Communication Gateway (HSB) – E	10-46
B-236	Remote Communication Gateway – A	10-47
B-239	Radio Antenna/GPS Antenna	10-47
B-240	4G Antenna	10-47
B-252	Microphone LH	
I-009	Domain Controller (Audio) – C	10-52
I-010	Domain Controller (Audio) – D	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-030	Instrument Panel Wire Harness to Interior Wire Harness (TGW)	10-53
I-038	HSD Wire (DMC)	10-54
GB-243	Ground	10-47

Glonass



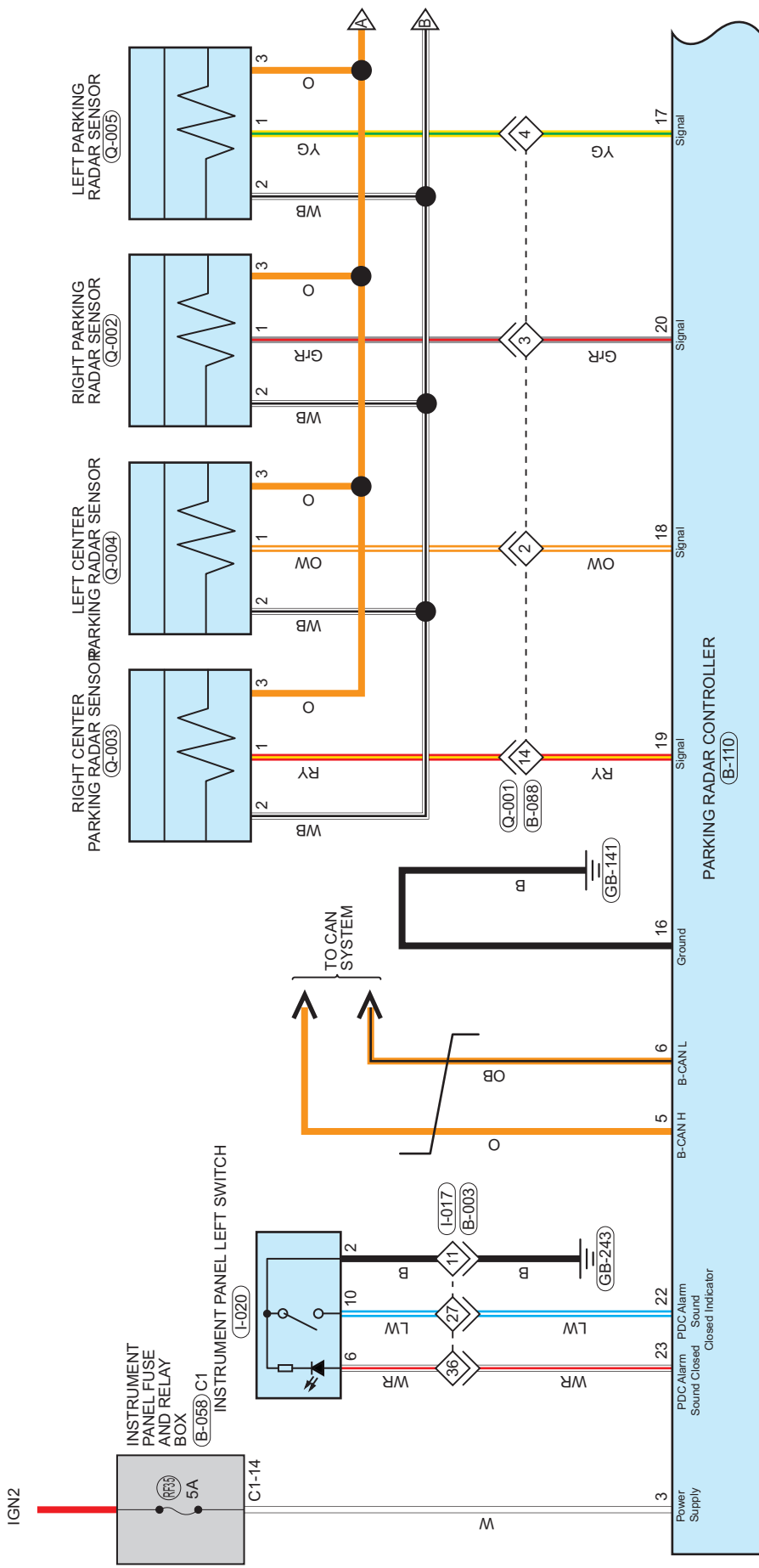
EWD049002



Glouass

Wire Harness Connector	Appellation	Page Number
B-060	Instrument Panel Fuse Box-3	10-41
B-061	Instrument Panel Fuse Box-4	10-41
B-257	SOW SW	10-47
I-053	Loudspeaker	10-54
B-051	Left Microphone	10-40
B-236	Remote Communication Gateway - A	10-47
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-260	Glouass	10-47
GB-083	Ground	10-41

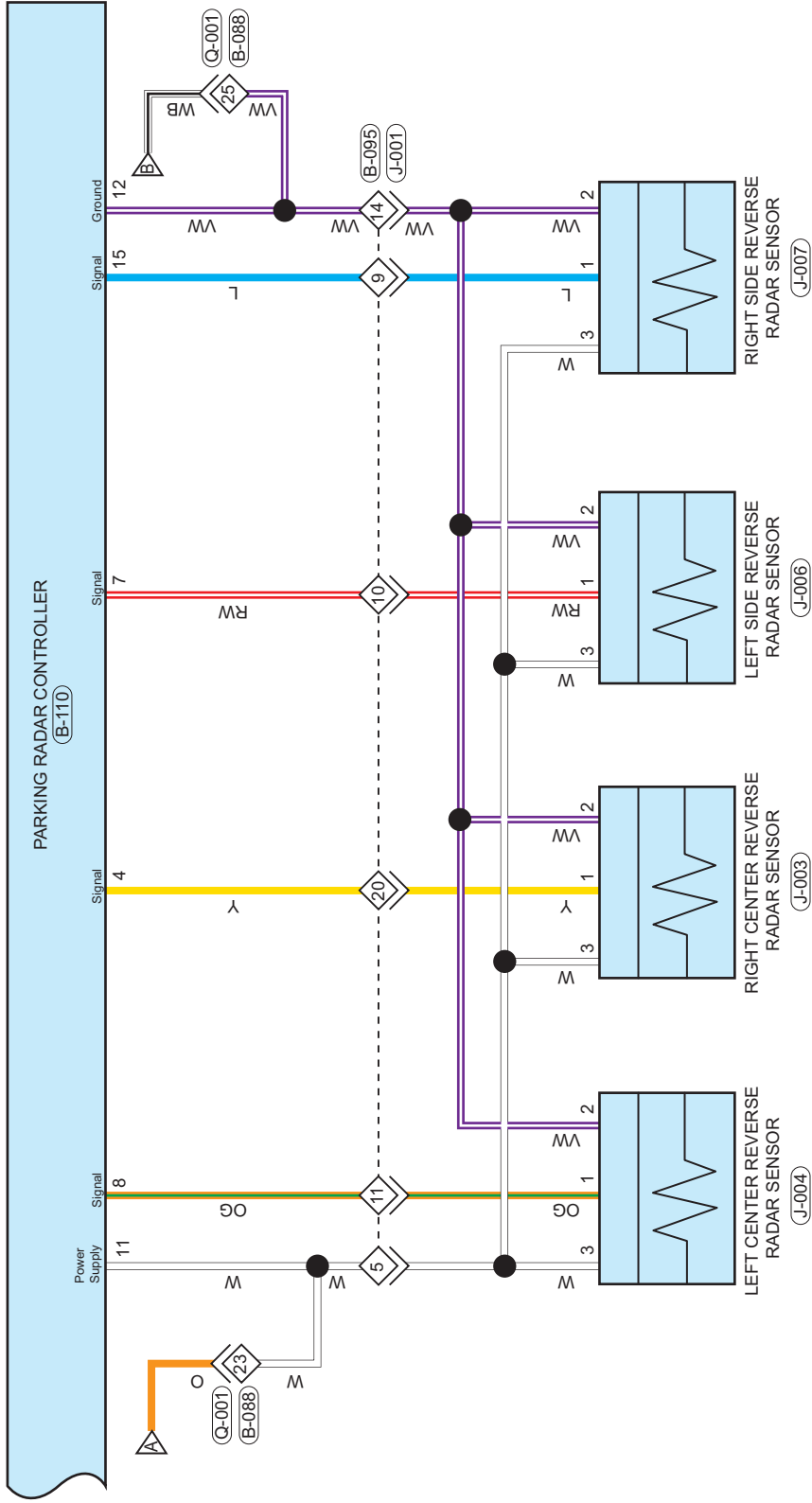
Parking Radar Assist System (RADAR)



EWD051001



Parking Radar Assist System (RADAR)



EWD052001

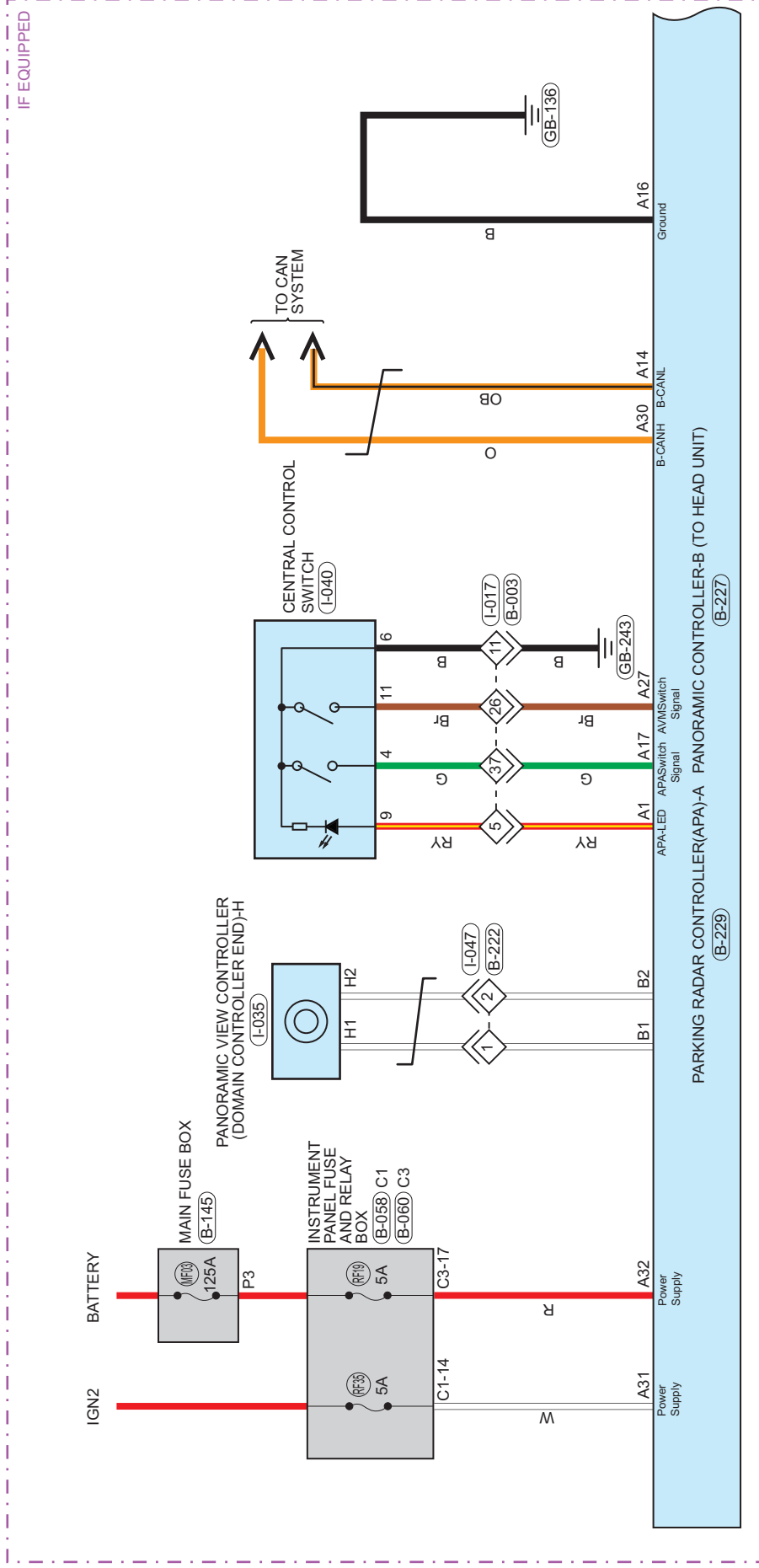


Parking Radar Assist System (RADAR)

Wire Harness Connector	Appellation	Page Number
B-058	Instrument Panel Fuse Box - 1	10-41
B-088	Interior Wire Harness to Front Bumper Wire Harness	10-42
B-095	Interior Wire Harness to Rear Bumper Wire Harness	10-43
B-110	Parking Radar Controller	10-44
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-020	Instrument Panel Left Switch	10-53
J-003	Right Center Reversing Radar Sensor	10-20
J-004	Left Center Reversing Radar Sensor	10-20
J-006	Left Reversing Radar Sensor	10-20
J-007	Right Reversing Radar Sensor	10-20

Wire Harness Connector	Appellation	Page Number
Q-002	Right Parking Radar Sensor	10-18
Q-003	Right Center Parking Radar Sensor	10-18
Q-004	Left Center Parking Radar Sensor	10-18
Q-005	Left Parking Radar Sensor	10-18
GB-141	Ground	10-45
GB-243	Ground	10-47

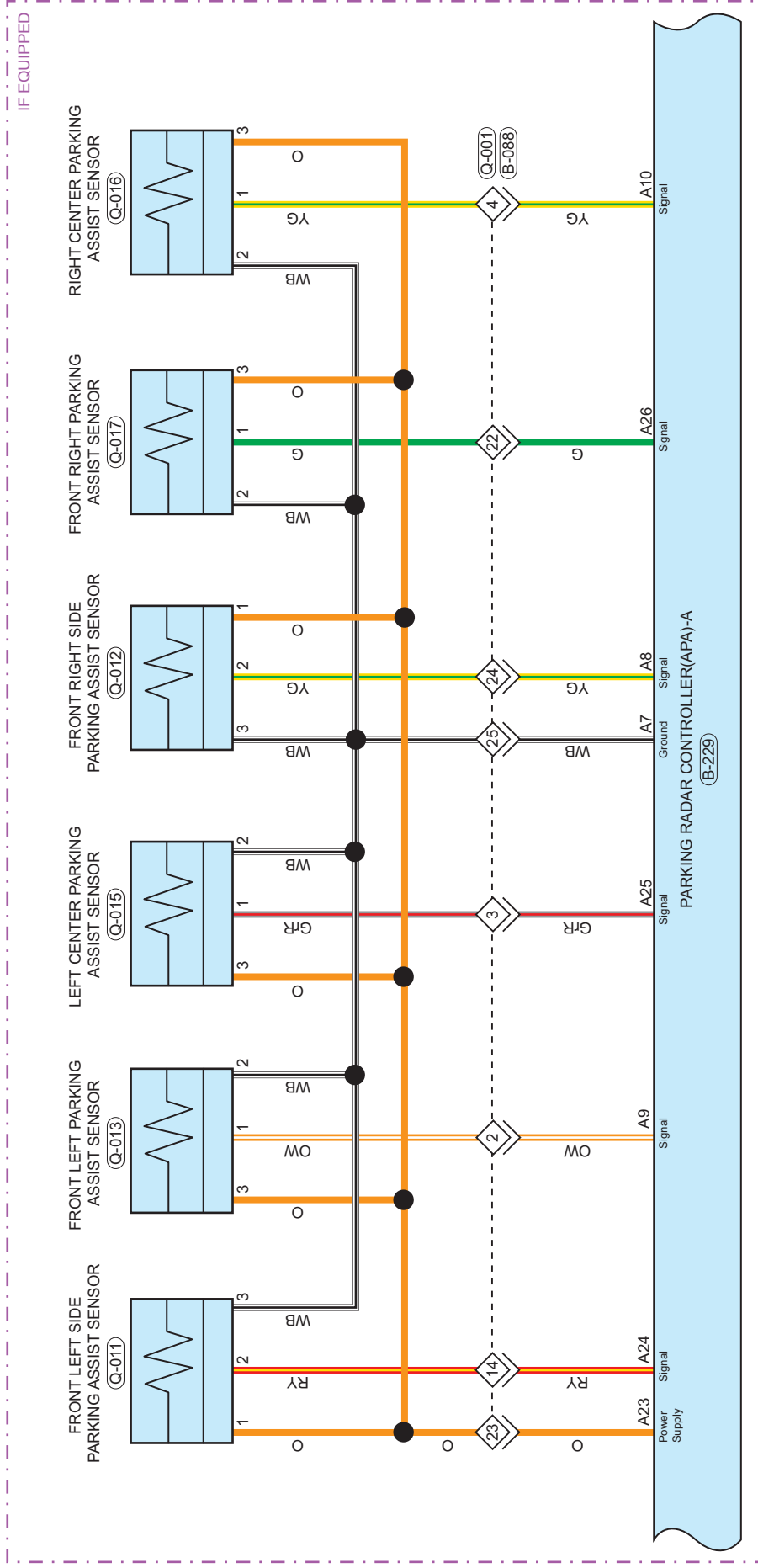
Panoramic View Monitor System (With APA)



EWD053001



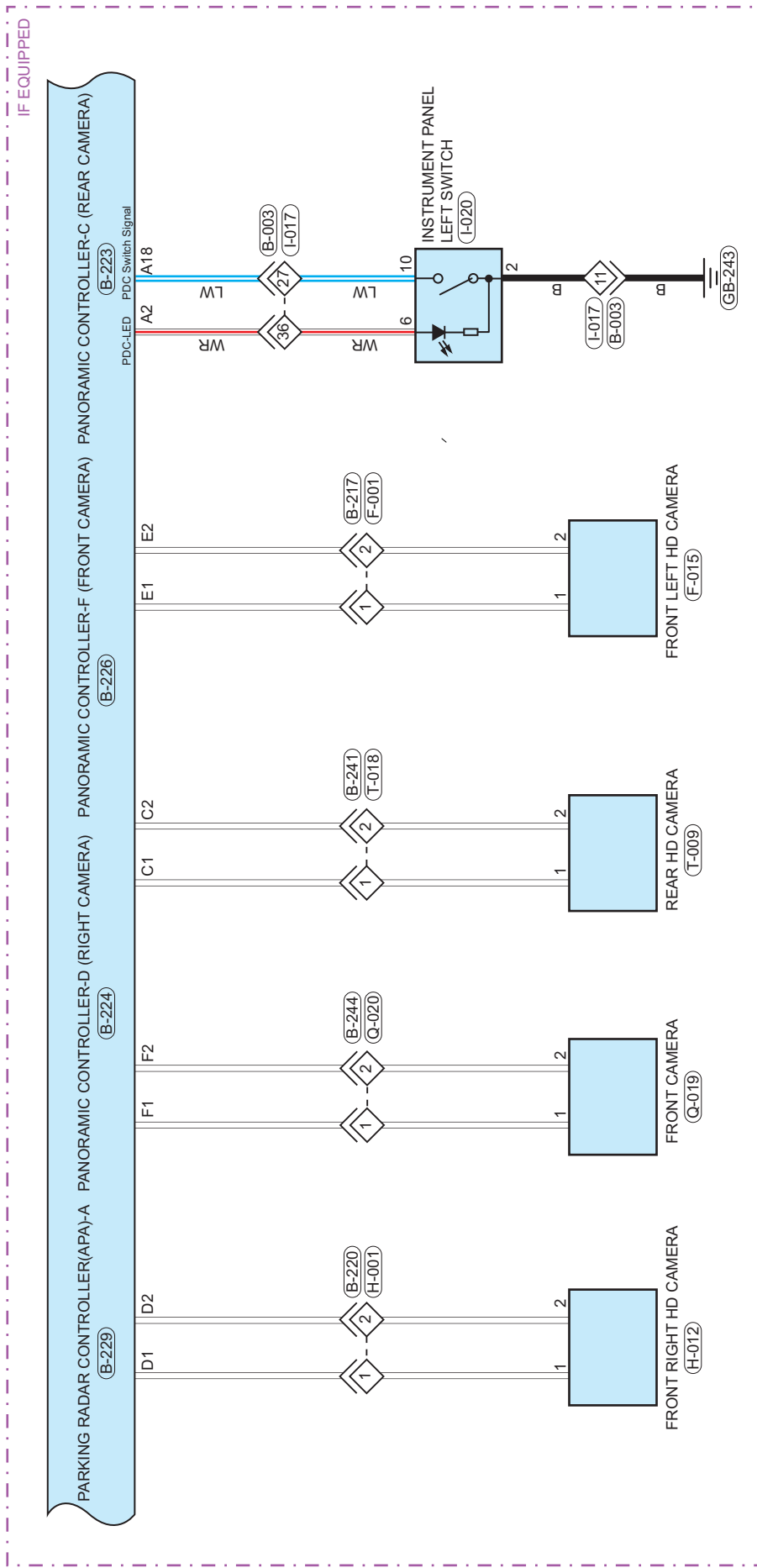
Panoramic View Monitor System (With APA)



EWD054001



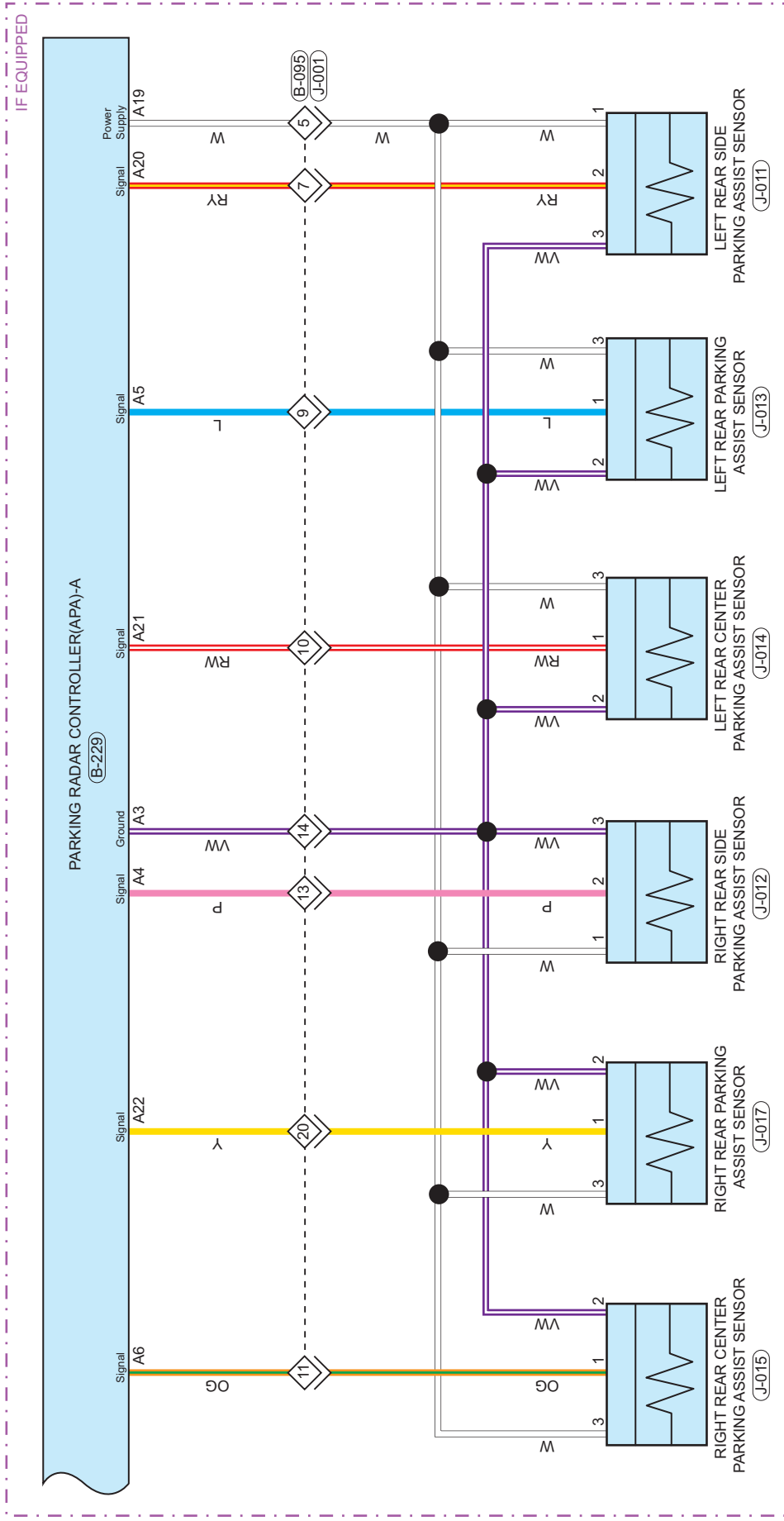
Panoramic View Monitor System (With APA)



EWD055001



Panoramic View Monitor System (With APA)



Panoramic View Monitor System (With APA) (StarElite, StarHonour)

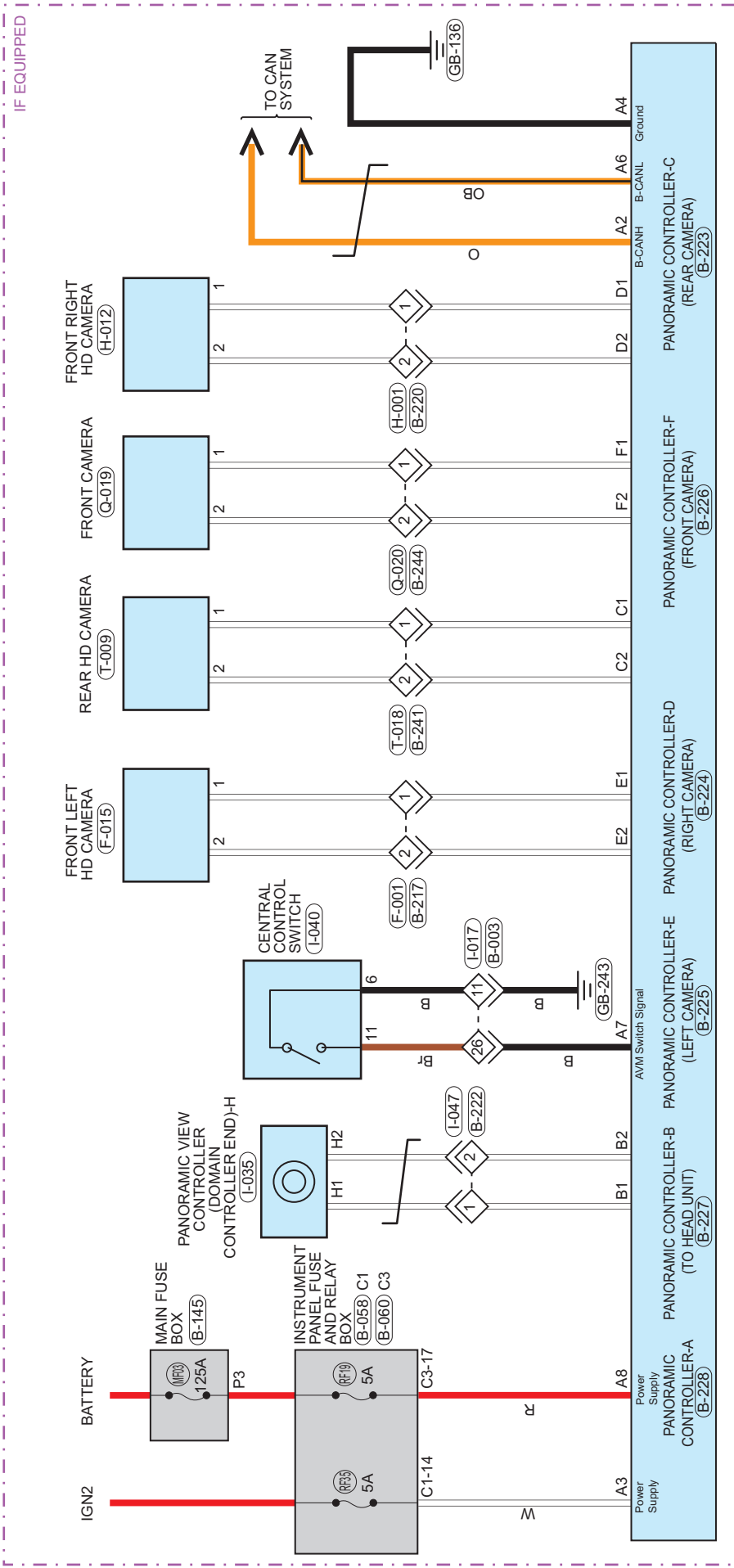
Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-058	Instrument Panel Fuse Box – 1	10-41
B-060	Instrument Panel Fuse Box – 3	10-41
B-088	Interior Wire Harness to Front Bumper Wire Harness	10-42
B-095	Interior Wire Harness to Rear Bumper Wire Harness	10-43
B-217	Interior Wire Harness to Front Left Door Wire Harness (Panoramic Camera)	10-46
B-220	Interior Wire Harness to Front Right Door Wire Harness (Panoramic Camera)	10-46
B-222	Interior Wire Harness to Instrument Panel (Panoramic Controller)	10-46
B-223	Panoramic Controller – C (Rear Camera)	10-46

Wire Harness Connector	Appellation	Page Number
B-224	Panoramic Controller – D (Right Camera)	10-46
B-225	Panoramic Controller – E (Left Camera)	10-46
B-226	Panoramic Controller – F (Front Camera)	10-46
B-227	Panoramic Controller – B (to Head Unit)	10-46
B-229	Panoramic Controller (with APA) – A	10-46
B-241	Interior Wire Harness to Back Door Wire Harness (Panoramic Camera)	10-47
B-244	Interior Wire Harness to Front Bumper Wire Harness (Panoramic Camera)	10-47
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56
F-015	Front Left HD Camera	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-012	Front Right HD Camera	10-58

Wire Harness Connector	Appellation	Page Number
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-020	Instrument Panel Left Switch	10-53
I-035	Panoramic View Controller (Domain Controller End)	10-54
I-040	Central Control Switch	10-54
I-047	Instrument Panel Wire Harness to Interior Wire Harness (AVM)	10-54
J-001	Interior Wire Harness to Rear Bumper Wire Harness	10-20
J-011	Rear Left Side Parking Assist Sensor	10-20
J-012	Rear Right Side Parking Assist Sensor	10-20
J-013	Rear Left Parking Assist Sensor	10-20
J-014	Rear Left Center Parking Assist Sensor	10-20
J-015	Rear Right Center Parking Assist Sensor	10-20
J-017	Rear Right Parking Assist Sensor	10-20

Wire Harness Connector	Appellation	Page Number
Q-001	Front Bumper Wire Harness to Interior Wire Harness	10-18
Q-011	Front Left Side Parking Assist Sensor	10-18
Q-012	Front Right Side Parking Assist Sensor	10-18
Q-013	Front Left Parking Assist Sensor	10-18
Q-015	Left Center Parking Assist Sensor	10-18
Q-016	Right Center Parking Assist Sensor	10-18
Q-017	Front Right Parking Assist Sensor	10-18
Q-019	Front Camera	10-18
Q-020	Front Bumper Wire Harness to Interior Wire Harness (Panoramic Camera)	10-18
T-009	Rear HD Camera	10-64
T-018	Interior Wire Harness to Back Door Wire Harness (Panoramic Camera)	10-64
GB-136	Ground	10-45
GB-243	Ground	10-47

Panoramic View Monitor System (Without APA)



EWD057001



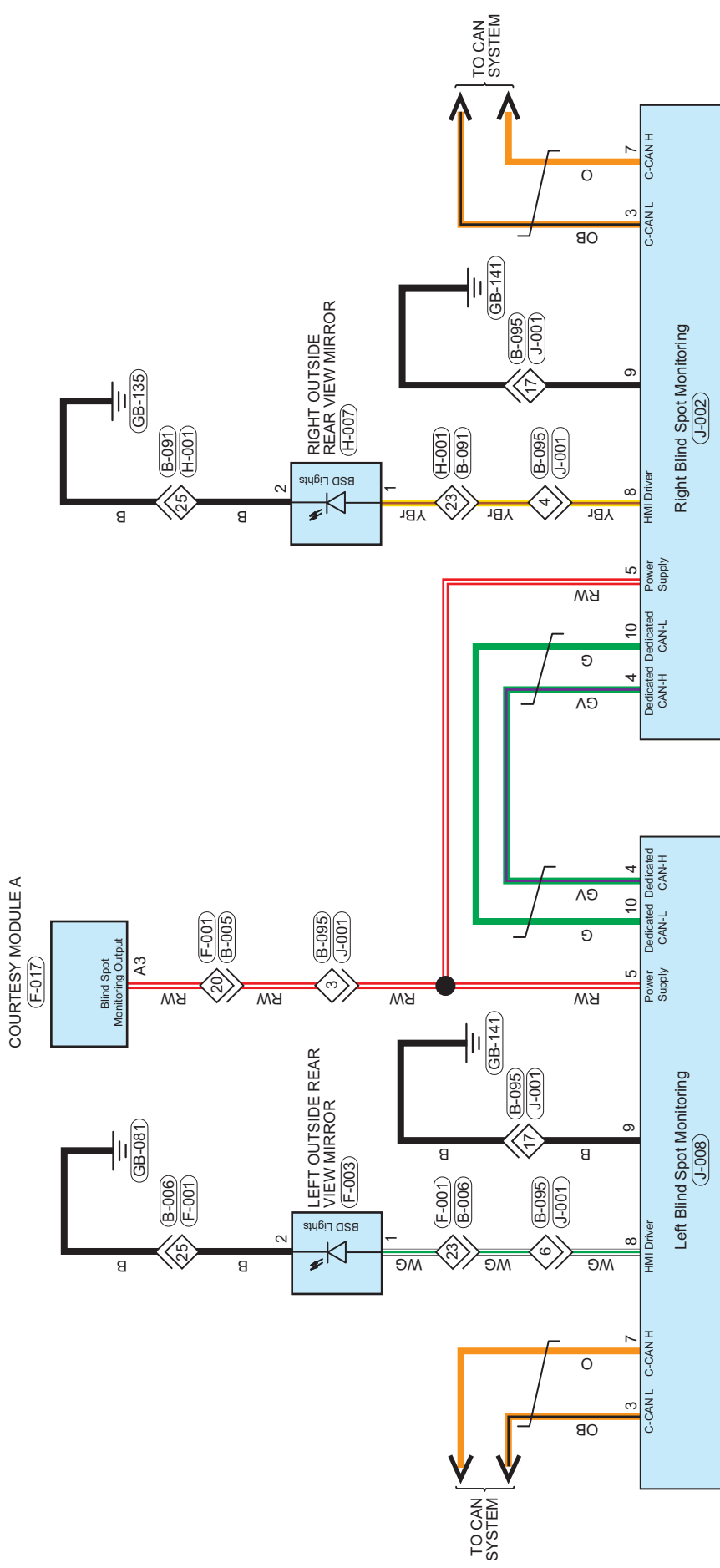
Panoramic View Monitor System (Without APA) (StarCare, StarFlare)

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-058	Instrument Panel Fuse Box – 1	10-41
B-060	Instrument Panel Fuse Box – 3	10-41
B-217	Interior Wire Harness to Front Left Door Wire Harness (Panoramic Camera)	10-46
B-220	Interior Wire Harness to Front Right Door Wire Harness (Panoramic Camera)	10-46
B-222	Interior Wire Harness to Instrument Panel Wire Harness (Panoramic Controller)	10-46
B-223	Panoramic Controller – C (Rear Camera)	10-46
B-224	Panoramic Controller – D (Right Camera)	10-46
B-225	Panoramic Controller – E (Left Camera)	10-46

Wire Harness Connector	Appellation	Page Number
B-226	Panoramic Controller – F (Front Camera)	10-46
B-227	Panoramic Controller – B (to Head Unit)	10-46
B-228	Panoramic Controller (without APA) – A	10-46
B-241	Interior Wire Harness to Back Door Wire Harness (Panoramic Camera)	10-47
B-244	Interior Wire Harness to Front Bumper Wire Harness (Panoramic Camera)	10-47
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56
F-015	Front Left HD Camera	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-012	Front Right HD Camera	10-58

Wire Harness Connector	Appellation	Page Number
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-020	Instrument Panel Left Switch	10-53
I-035	Panoramic View Controller (Domain Controller End)	10-54
I-040	Central Control Switch	10-54
I-047	Instrument Panel Wire Harness to Interior Wire Harness (AVM)	10-54
Q-019	Front Camera	10-18
Q-020	Front Bumper Wire Harness to Interior Wire Harness (Panoramic Camera)	10-18
T-009	Rear HD Camera	10-64
T-018	Interior Wire Harness to Back Door Wire Harness (Panoramic Camera)	10-64
GB-136	Ground	10-45
GB-243	Ground	10-47

Blind Spot Monitoring System (BSD)



EWD058001

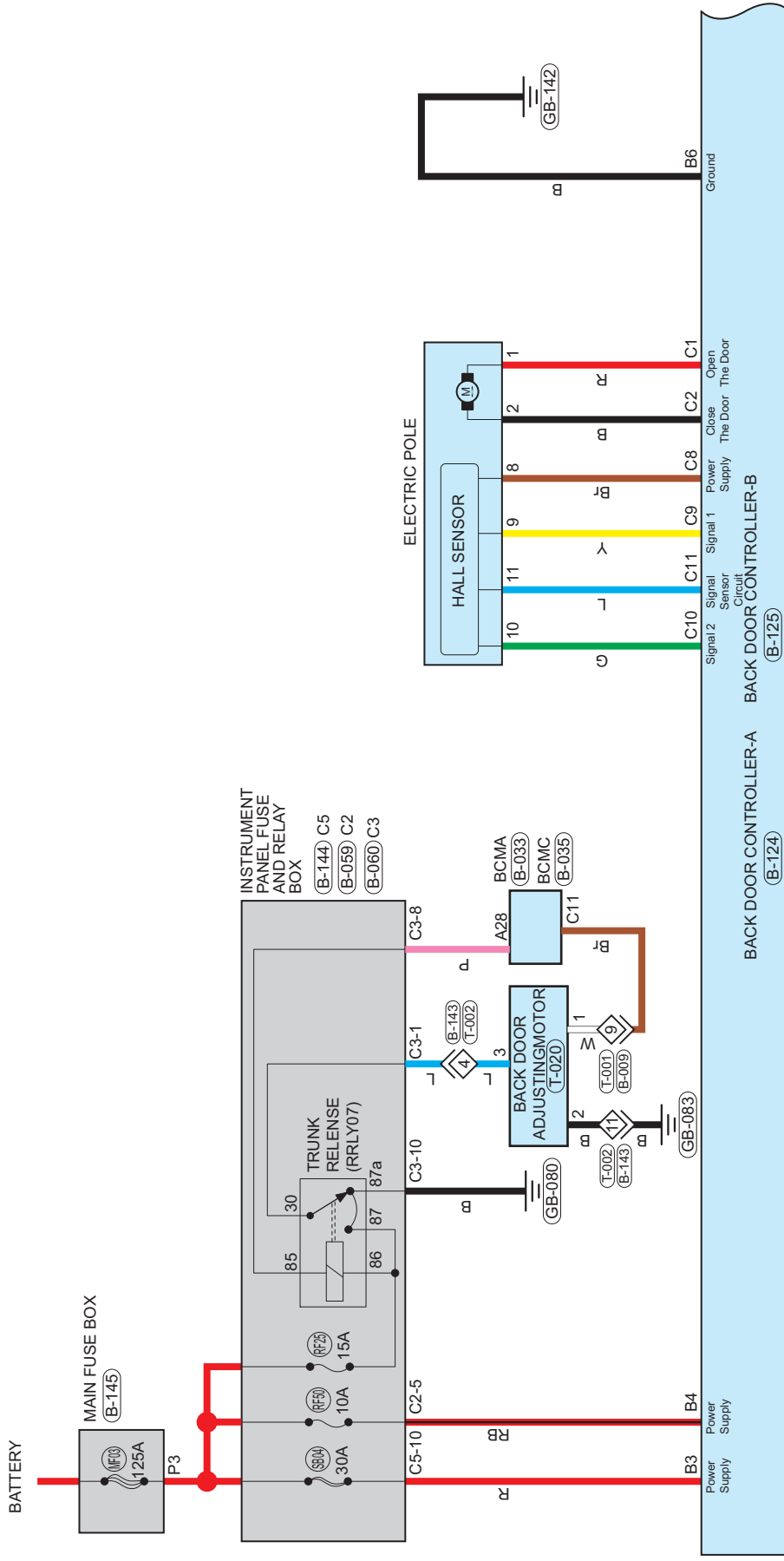


Blind Spot Monitoring System (BSD)

Wire Harness Connector	Appellation	Page Number
B-005	Interior Wire Harness to Front Left Door Wire Harness 1	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-091	Interior Wire Harness to Front Right Door Wire Harness 2	10-42
B-095	Interior Wire Harness to Rear Bumper Wire Harness	10-43
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56
F-003	Left Outside Rear View Mirror	10-56
F-017	Door Courtesy Module A	10-56
H-001	Interior Wire Harness to Front Right Door Wire Harness	10-58
H-007	Right Outside Rear View Mirror	10-58

Wire Harness Connector	Appellation	Page Number
J-001	Interior Wire Harness to Rear Bumper Wire Harness	10-20
J-002	Right Blind Spot Monitoring	10-20
J-008	Left Blind Spot Monitoring	10-20
GB-081	Ground	10-41
GB-135	Ground	10-45
GB-141	Ground	10-45

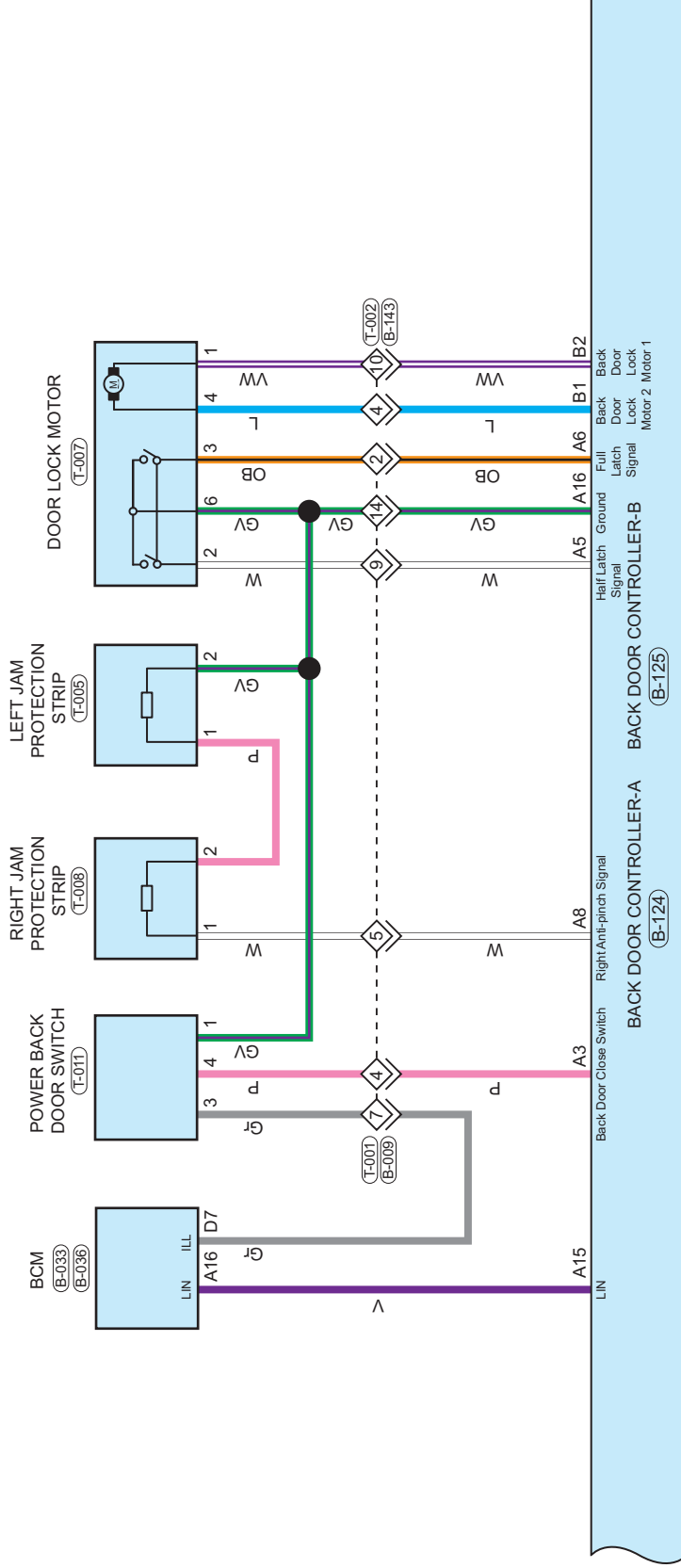
Power Back Door System (PLG)



EWD059001



Power Back Door System (PLG)



EWD059002

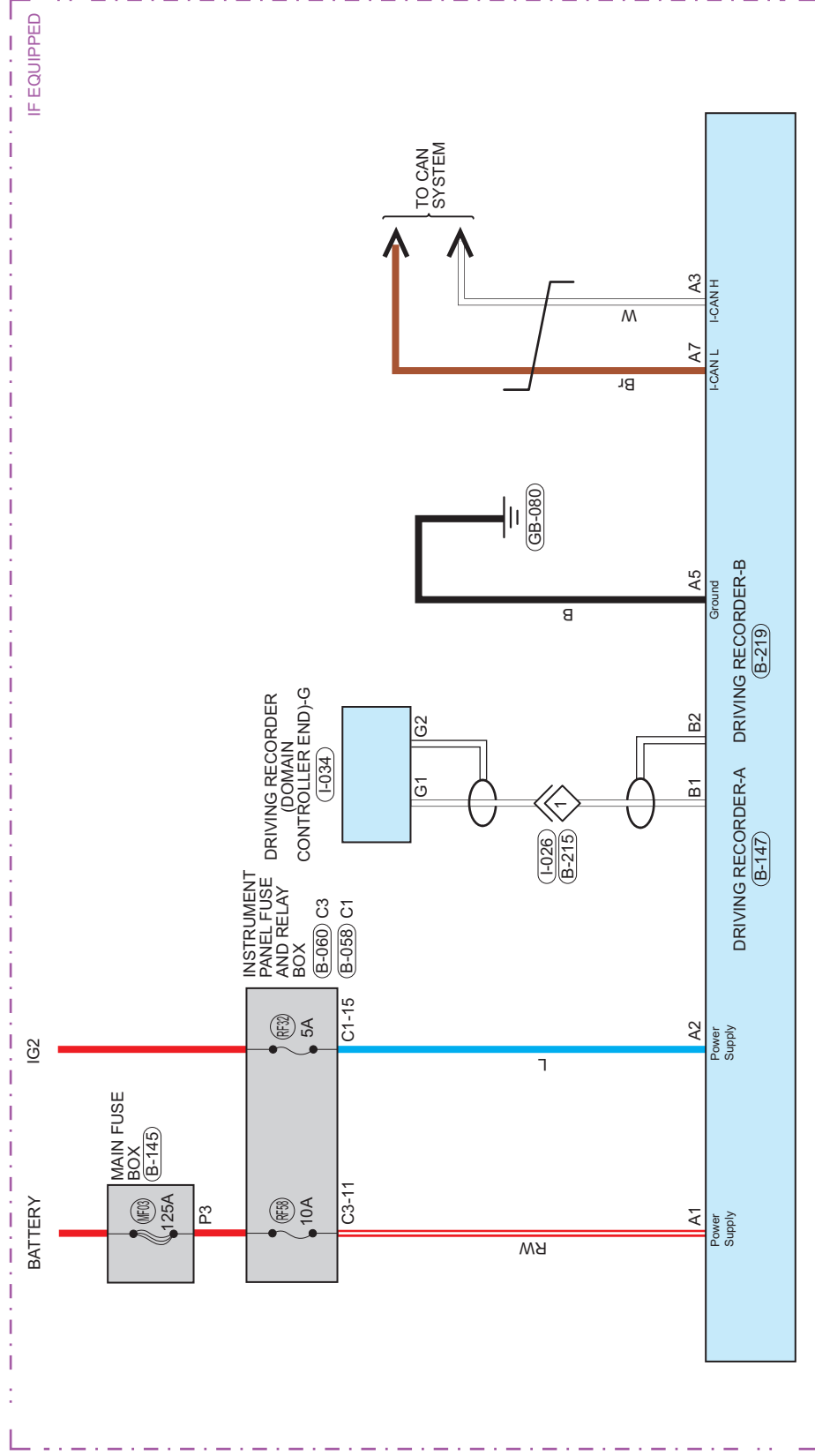


Power Back Door System (PLG)

Wire Harness Connector	Appellation	Page Number
B-009	Interior Wire Harness to Back Door Wire Harness 1	10-38
B-033	Body Control Module - A	10-39
B-036	Body Control Module - D	10-39
B-059	Instrument Panel Fuse Box - 2	10-41
B-124	Back Door Controller - A	10-44
B-125	Back Door Controller - B	10-44
B-143	Interior Wire Harness to Back Door Wire Harness 2	10-45
B-144	Engine Compartment Fuse Box - 1	10-45
T-001	Interior Wire Harness to Back Door Wire Harness 1	10-64
T-002	Interior Wire Harness to Back Door Wire Harness 2	10-64

Wire Harness Connector	Appellation	Page Number
T-005	Left Jam Protection Strip	10-64
T-007	Door Lock Motor	10-64
T-008	Right Jam Protection Strip	10-64
T-011	Power Back Door Switch	10-64
GB-142	Ground	10-45

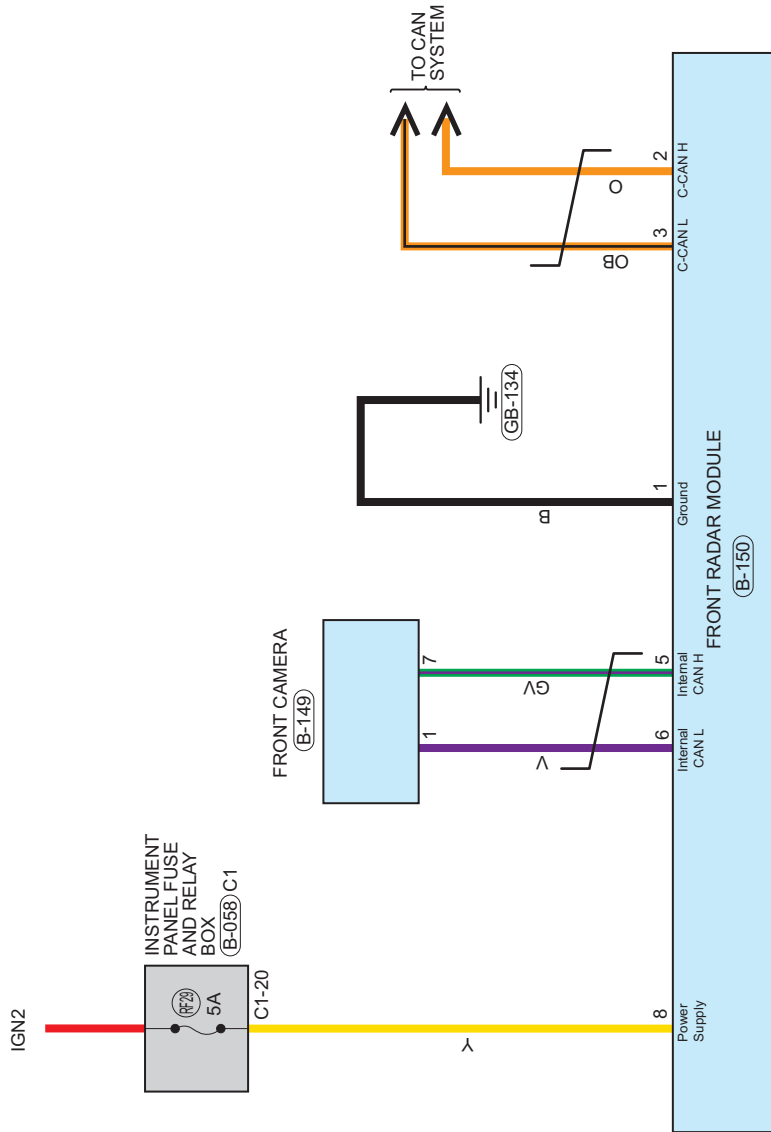
Driving Recorder (DVR)



Driving Recorder (DVR)

Wire Harness Connector	Appellation	Page Number
B-058	Instrument Panel Fuse Box – 1	10-41
B-060	Instrument Panel Fuse Box – 3	10-41
B-147	Driving Recorder – A	10-45
B-215	Interior Wire Harness to Instrument Panel Wire Harness (Driving Recorder)	10-46
B-219	Driving Recorder – B	10-46
I-026	Instrument Panel Wire Harness to Interior Wire Harness (Driving Recorder)	10-53
I-034	Driving Recorder (Domain Controller End)	10-54
GB-080	Ground	10-41

Front Radar Module (FRM)



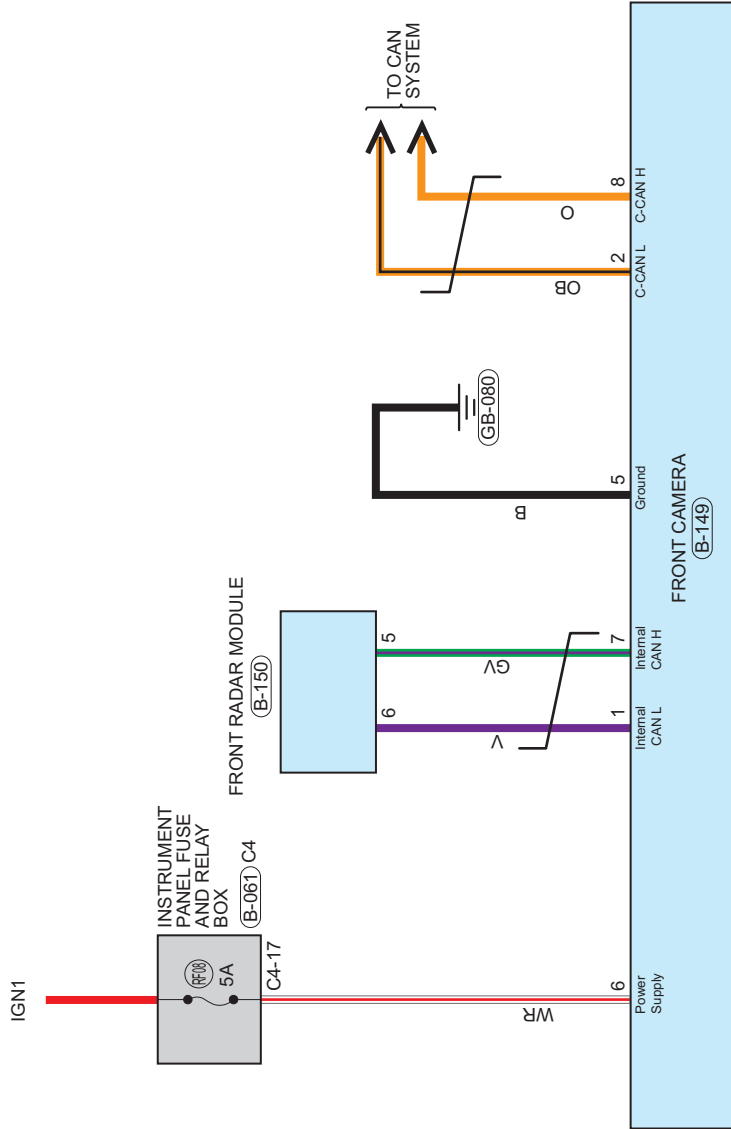
EWD061001



Front Radar Module (FRM)

Wire Harness Connector	Appellation	Page Number
B-058	Instrument Panel Fuse Box - 1	10-41
B-149	Front Camera	10-45
B-150	Front Radar Module	10-45
GB-134	Ground	10-45

Front Camera System (FCM)



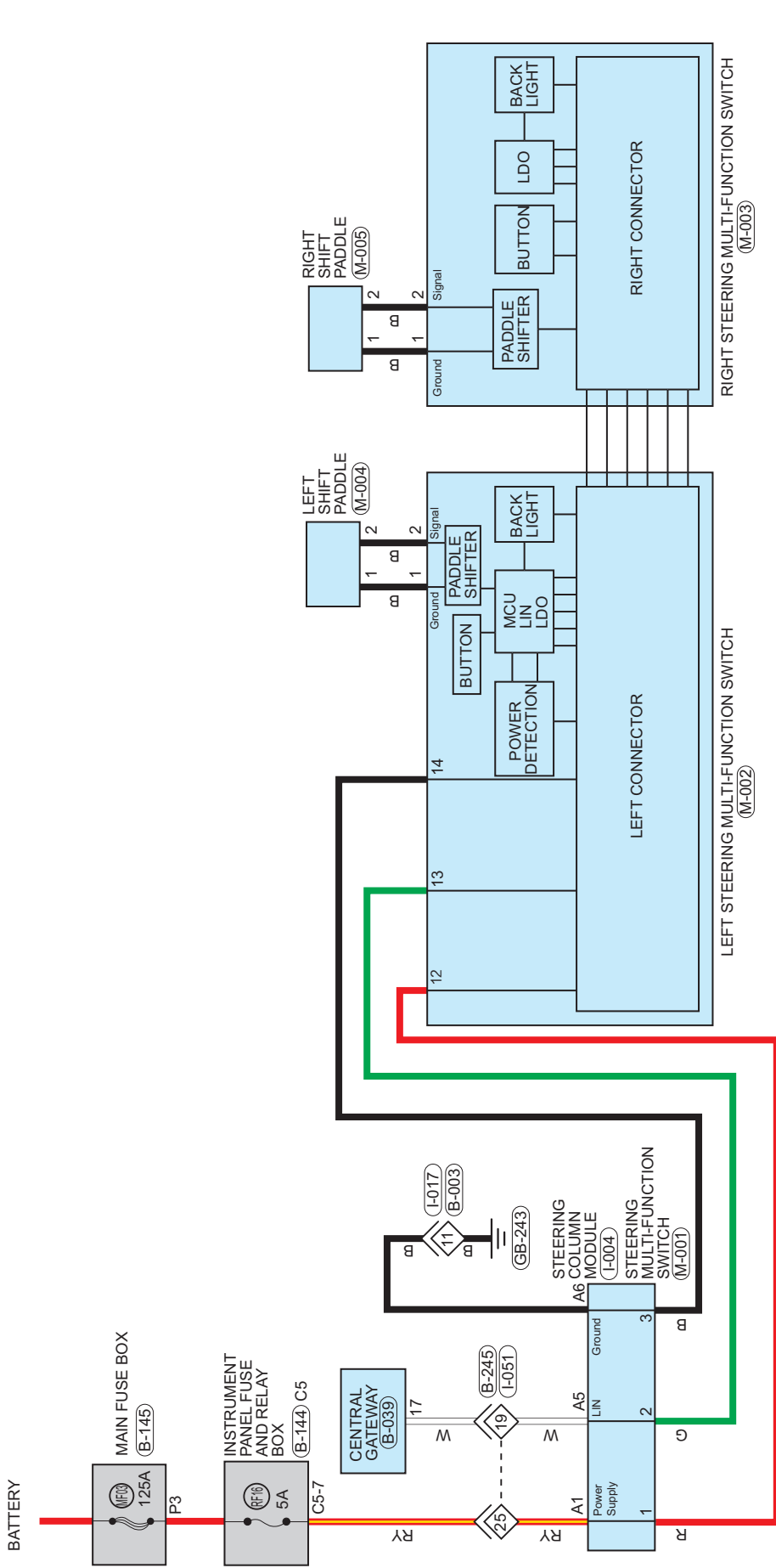
EWD062001



Front Camera System (FCM)

Wire Harness Connector	Appellation	Page Number
B-061	Instrument Panel Fuse Box - 4	10-41
B-149	Front Camera	10-45
B-150	Front Radar Module	10-45
GB-080	Ground	10-41

Multi-function Steering Wheel (MFS)



EWD067001

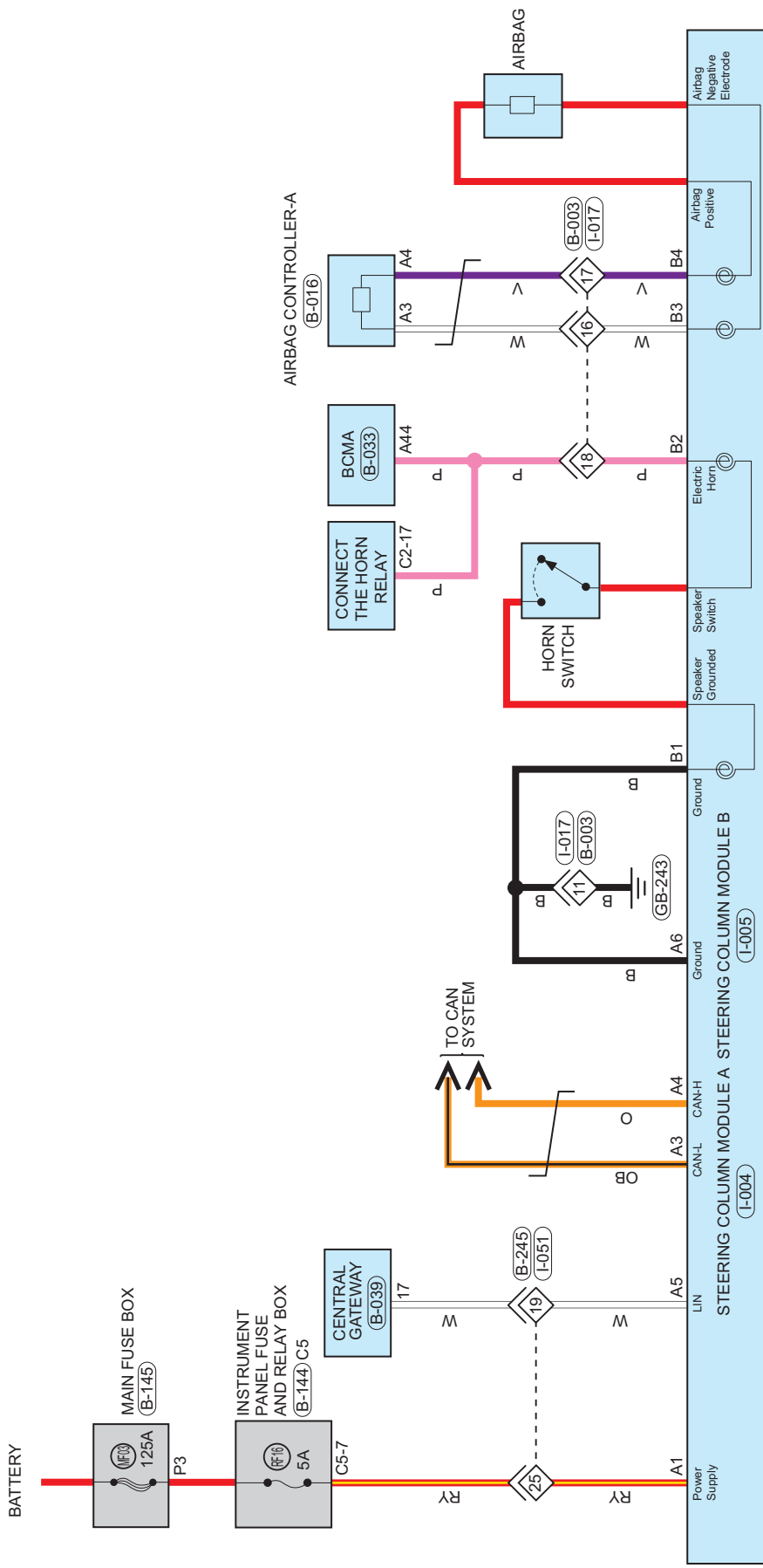


Multi-function Steering Wheel (MFS)

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-039	Central Gateway	10-40
B-144	Engine Compartment Fuse Box – 1	10-45
I-004	Steering Column Module A	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
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	

Wire Harness Connector	Appellation	Page Number
M-005	Right Shift Paddle	
GB-243	Ground	10-47

Steering Column Module (SCM)



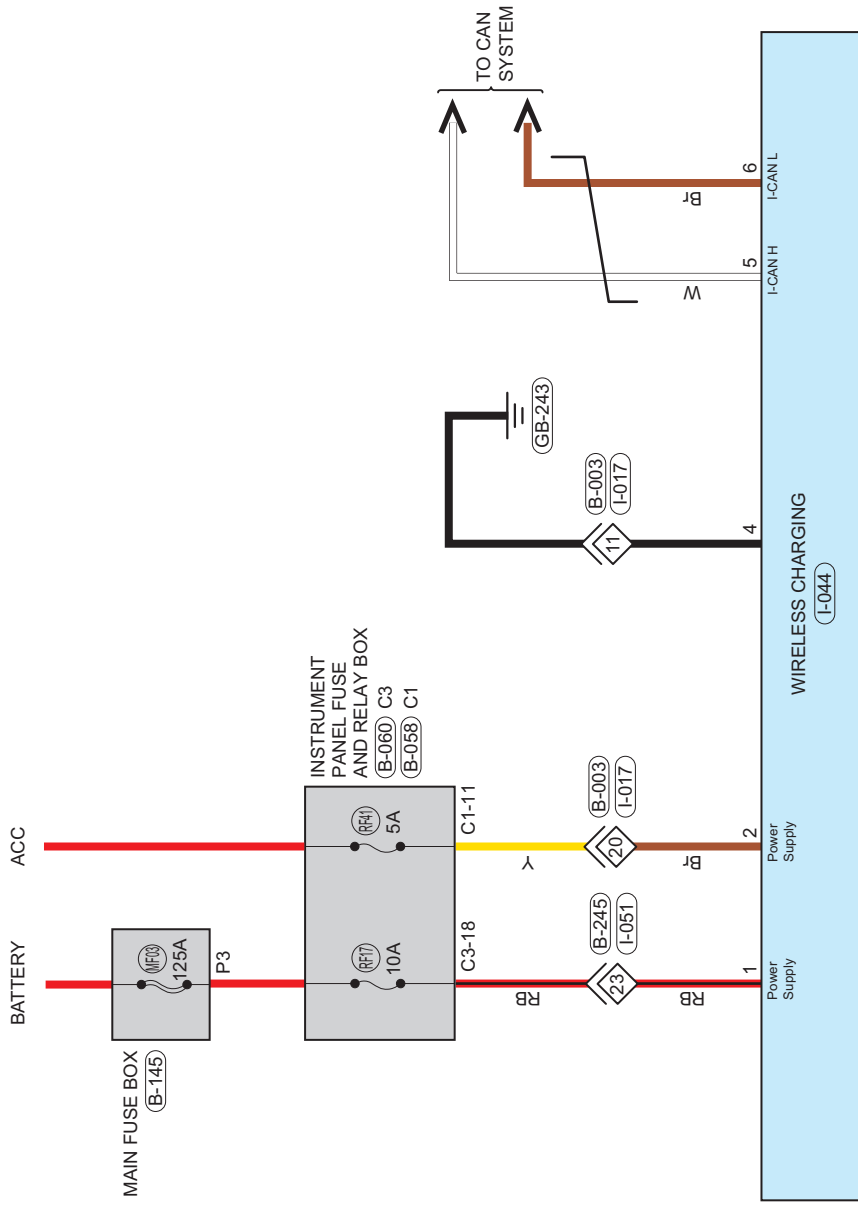
EWD068001



Steering Column Module (SCM)

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-016	Airbag Controller – A	10-38
B-033	Body Control Module – A	10-39
B-039	Central Gateway	10-40
B-144	Engine Compartment Fuse Box – 1	10-45
I-004	Steering Column Module A	10-52
I-005	Steering Column Module B	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
GB-243	Ground	10-47

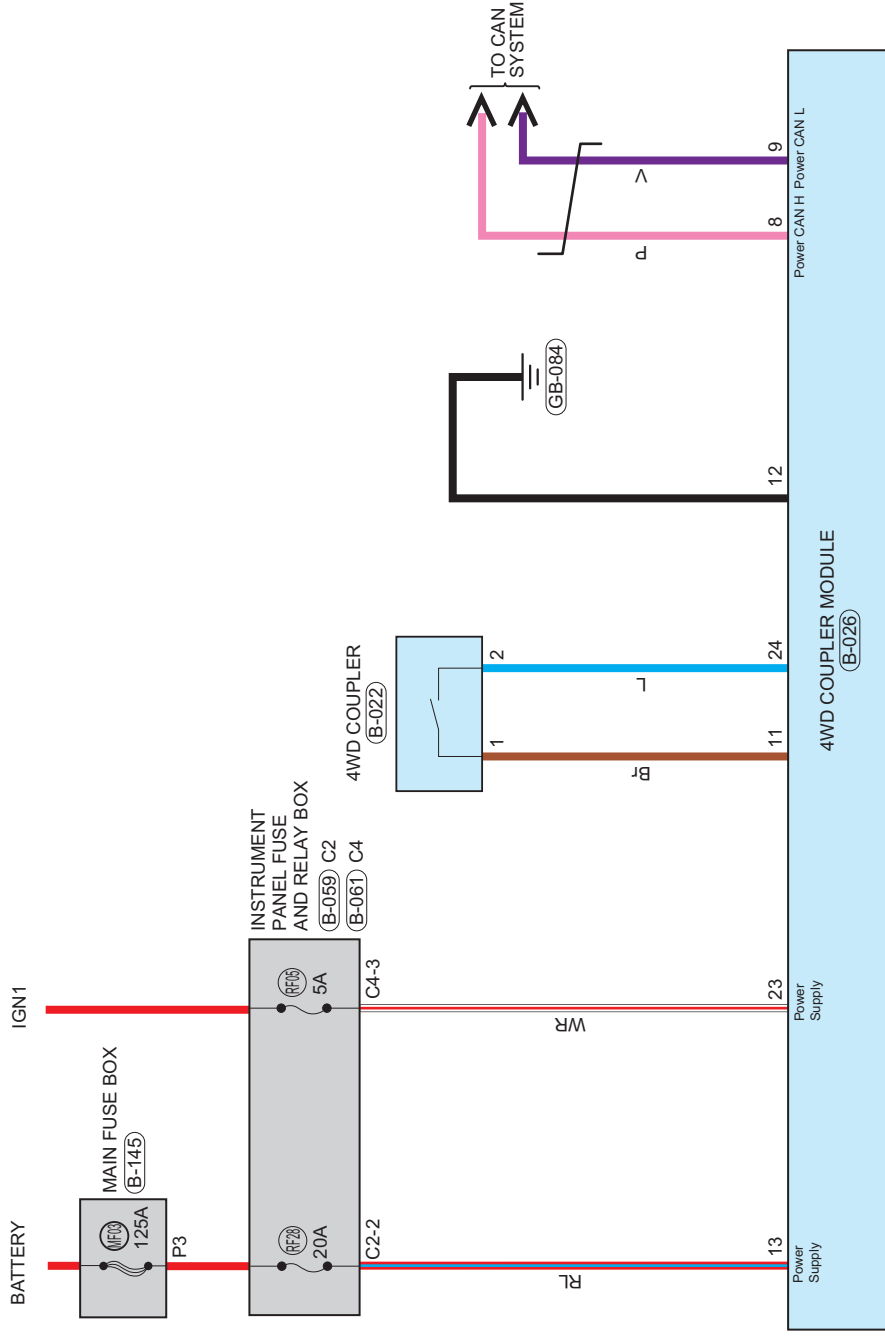
Wireless Charging System (CWC)



Wireless Charging System (CWC)

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-058	Instrument Panel Fuse Box – 1	10-41
B-060	Instrument Panel Fuse Box – 3	10-41
I-001	Instrument Panel Wire Harness to Interior Wire Harness 1	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-044	Wireless Charging	10-54
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
GB-243	Ground	10-47

Four-wheel Drive System



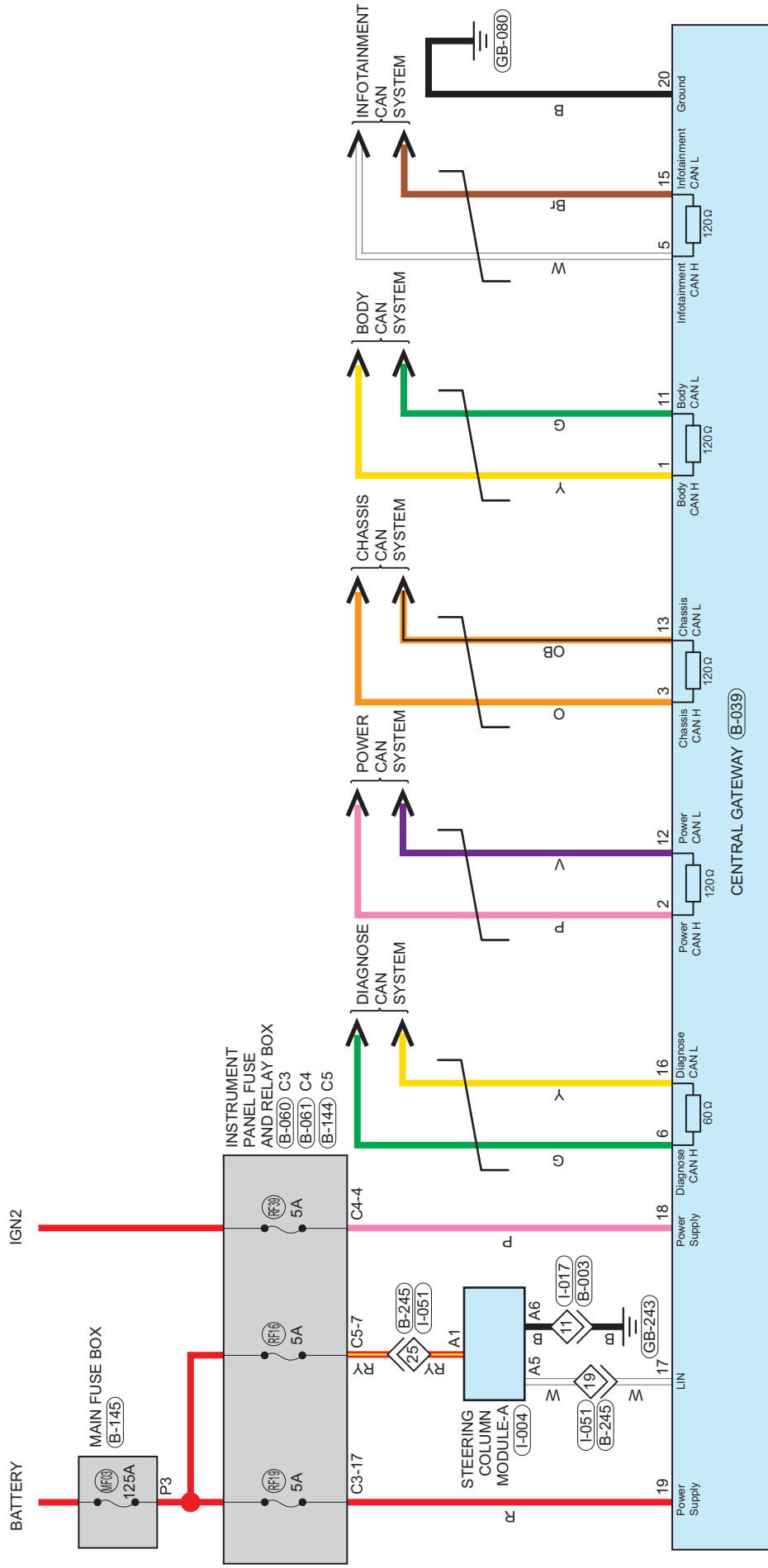
EWD070001



Four-wheel Drive System

Wire Harness Connector	Appellation	Page Number
B-022	4WD Coupler	10-39
B-026	4WD Coupler Module	10-39
B-059	Instrument Panel Fuse Box - 2	10-41
B-061	Instrument Panel Fuse Box - 4	10-41
GB-084	Ground	10-41

Central Gateway (CGW)



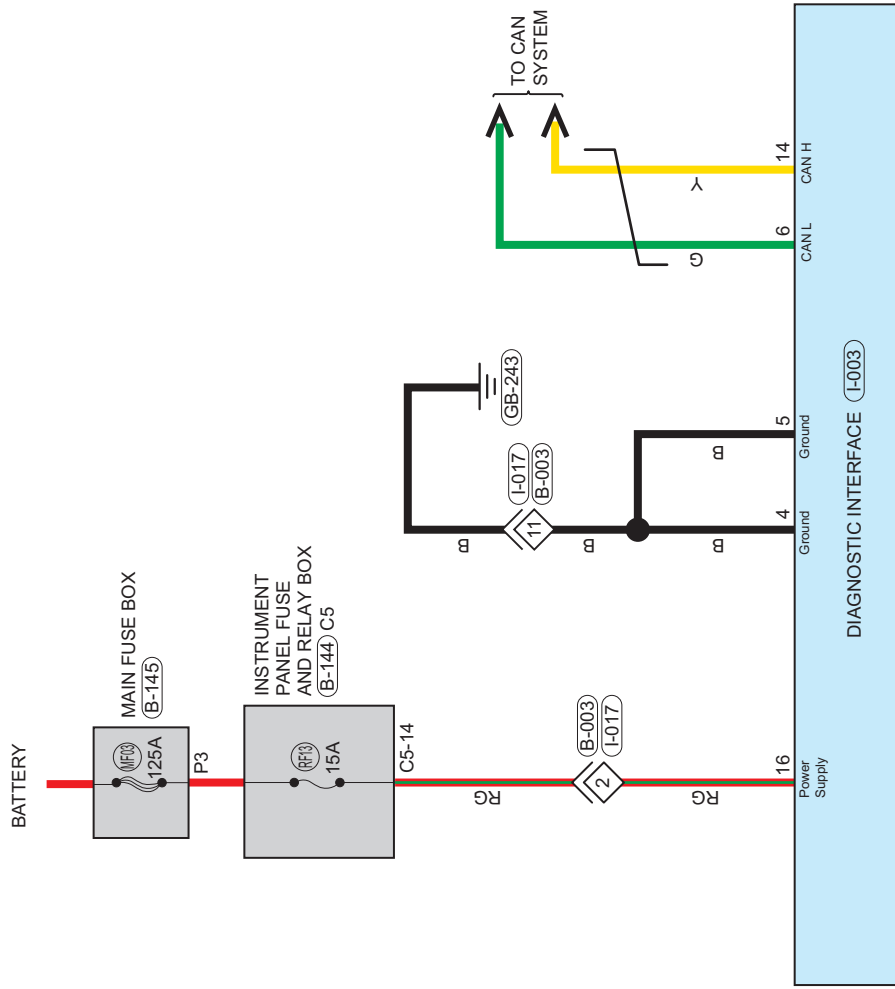
EWD071001



Central Gateway (CGW)

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-039	Central Gateway	10-40
B-060	Instrument Panel Fuse Box – 3	10-41
B-061	Instrument Panel Fuse Box – 4	10-41
B-144	Engine Compartment Fuse Box – 1	10-45
I-004	Steering Column Module A	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
GB-080	Ground	10-41
GB-243	Ground	10-47

Diagnostic Interface



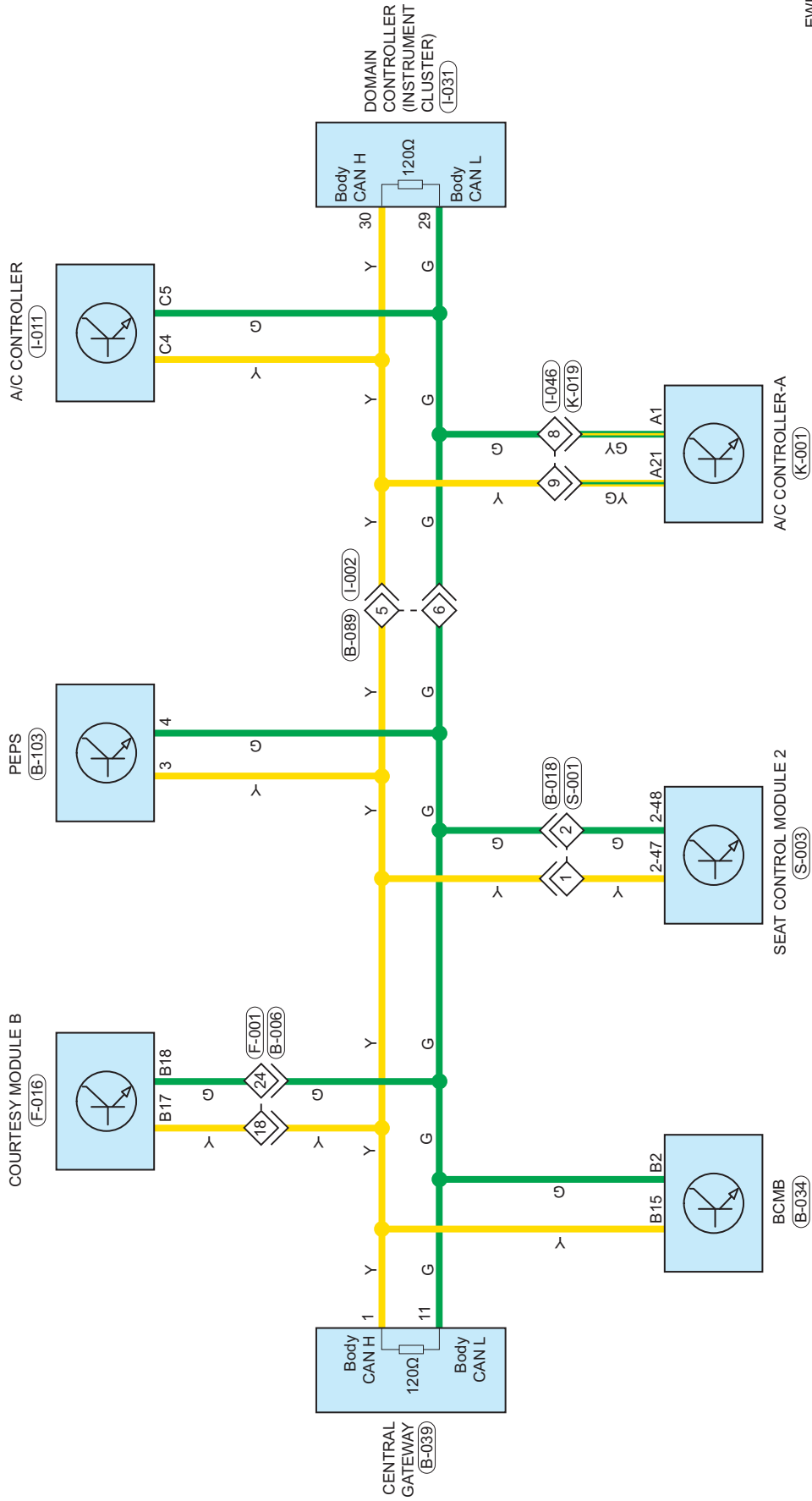
EWD072001



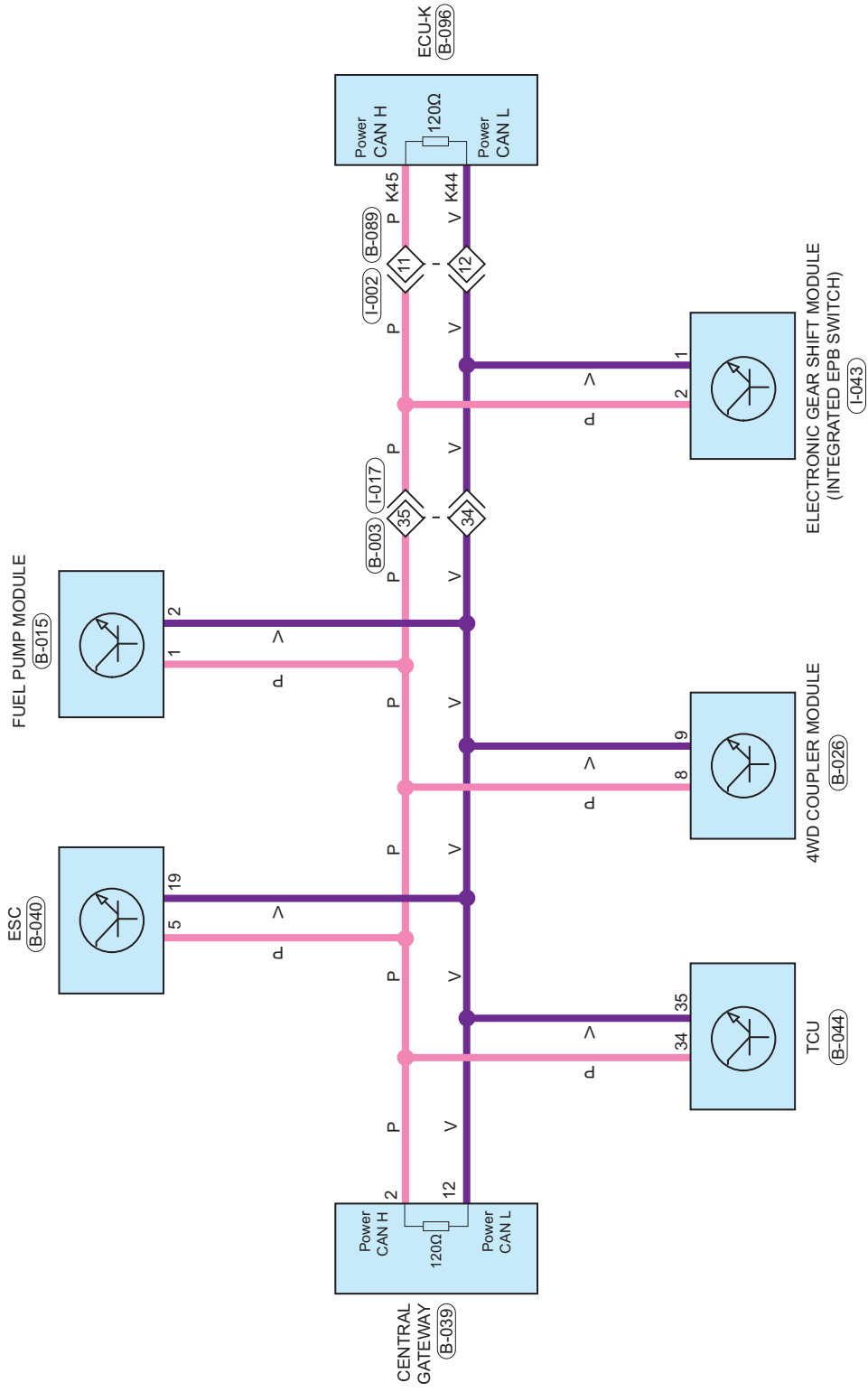
Diagnostic Interface

Wire Harness Connector	Appellation	Page Number
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-144	Engine Compartment Fuse Box – 1	10-45
I-003	Diagnostic Interface	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
GB-243	Ground	10-47

CAN System (Body CAN)



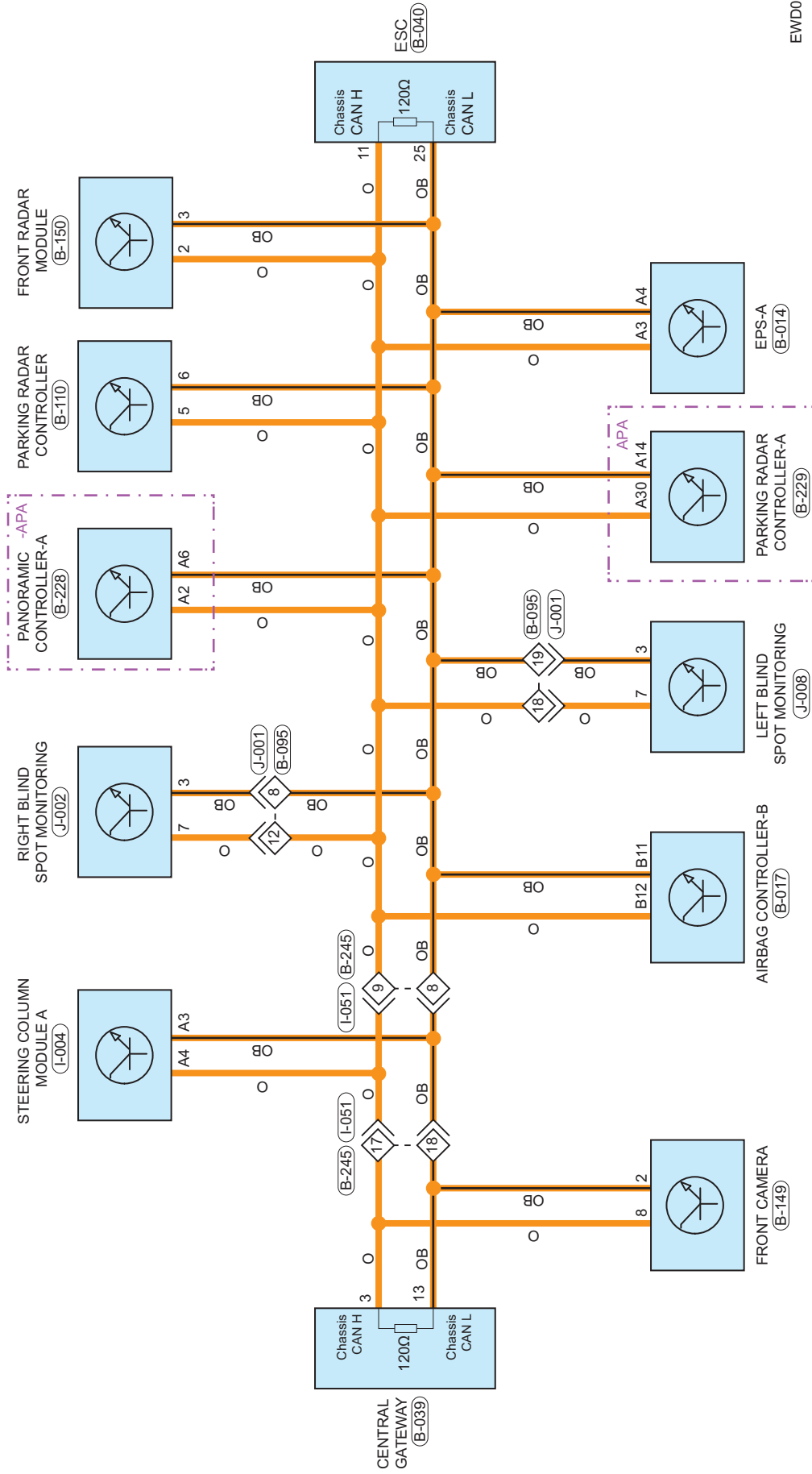
CAN System (Power CAN)



EWD074001



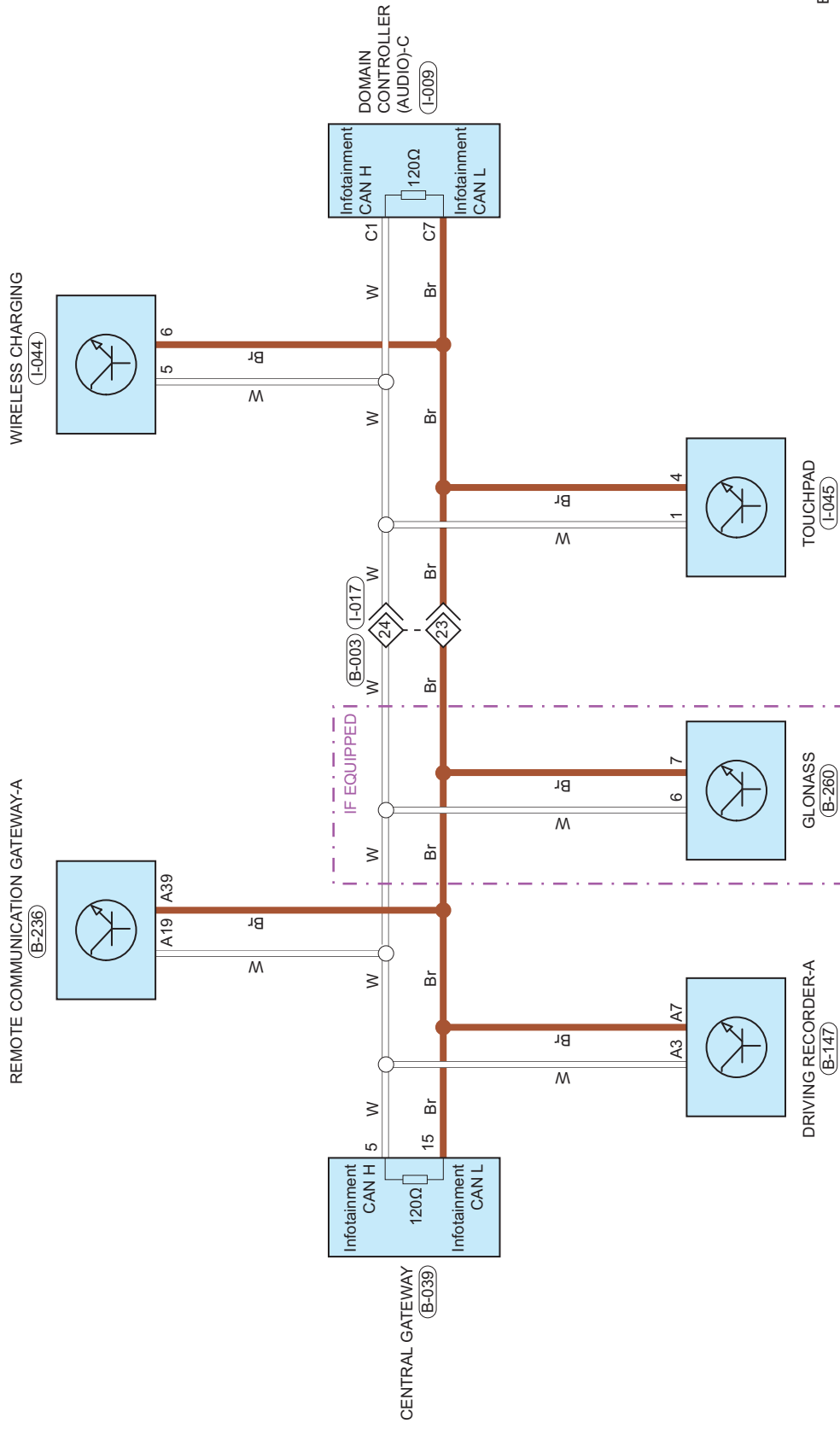
CAN System (Chassis CAN)



EWD075001



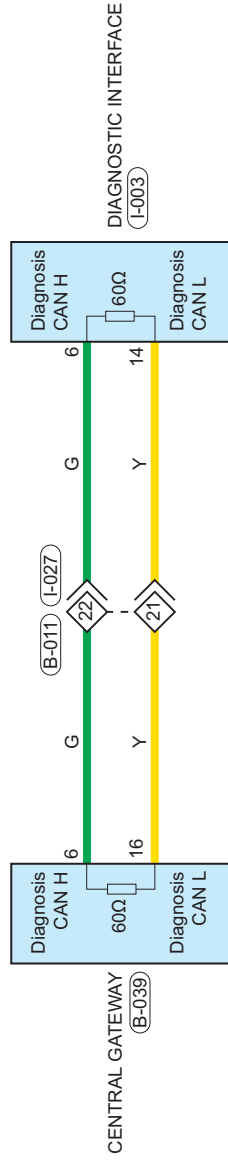
CAN System (Entertainment Information CAN)



EWD076001



CAN System (Diagnosis CAN)



CAN system

Wire Harness Connector	Appellation	Page Number
B-002	Interior Wire Harness to Instrument Panel Wire Harness 1	10-47
B-003	Interior Wire Harness to Instrument Panel Wire Harness 2	10-37
B-006	Interior Wire Harness to Front Left Door Wire Harness 2	10-37
B-010	Interior Wire Harness to Instrument Panel Wire Harness 4	10-38
B-011	Interior Wire Harness to Instrument Panel Wire Harness 3	10-38
B-014	EPS-A	10-38
B-015	Fuel Pump Module	10-38
B-017	Airbag Controller – B	10-39
B-018	Interior Wire Harness to Driver Seat Wire Harness	10-39
B-026	4WD Coupler Module	10-39
B-034	Body Control Module – B	10-39
B-039	Central Gateway	10-40

Wire Harness Connector	Appellation	Page Number
B-040	ESC	10-40
B-044	TCU	10-40
B-089	Interior Wire Harness to Instrument Panel Wire Harness	10-42
B-095	Interior Wire Harness to Rear Bumper Wire Harness	10-43
B-096	ECU-K	10-43
B-103	PEPS Module	10-43
B-110	Parking Radar Controller	10-44
B-147	Driving Recorder – A	10-45
B-149	Front Camera	10-45
B-150	Front Radar Module	10-45
B-228	Panoramic Controller (without APA) – A	10-46
B-229	Panoramic Controller (with APA) – A	10-46
B-236	Remote Communication Gateway – A	10-47
F-001	Interior Wire Harness to Front Left Door Wire Harness	10-56

Wire Harness Connector	Appellation	Page Number
F-016	Door Courtesy Module B	10-56
I-001	Instrument Panel Wire Harness to Interior Wire Harness 1	10-52
I-002	Instrument Panel Wire Harness to Interior Wire Harness 3	10-52
I-003	Diagnostic Interface	10-52
I-004	Steering Column Module A	10-52
I-009	Domain Controller (Audio) – C	10-52
I-011	A/C Control Panel (AIPM)	10-52
I-017	Instrument Panel Wire Harness to Interior Wire Harness 2	10-53
I-027	Instrument Panel Wire Harness to Interior Wire Harness 3	10-53
I-031	Domain Controller (Instrument Cluster)	10-54
I-043	Electronic Gearshift Module (Integrated EPB Switch)	10-54

Wire Harness Connector	Appellation	Page Number
I-044	Wireless Charging	10-54
I-045	Touch Gesture Control Pad	10-54
I-046	Instrument Panel Wire Harness to A/C Wire Harness	10-54
I-050	Instrument Panel Wire Harness to Interior Wire Harness 4	10-54
J-001	Interior Wire Harness to Rear Bumper Wire Harness	10-20
J-002	Right Blind Spot Monitoring	10-20
J-008	Left Blind Spot Monitoring	10-20
K-001	Automatic A/C Control Module – A	10-66
K-019	Instrument Panel Wire Harness to A/C Wire Harness	10-66
S-001	Driver Seat Wire Harness to Interior Wire Harness	10-70
S-003	Seat Control Module 2	10-70