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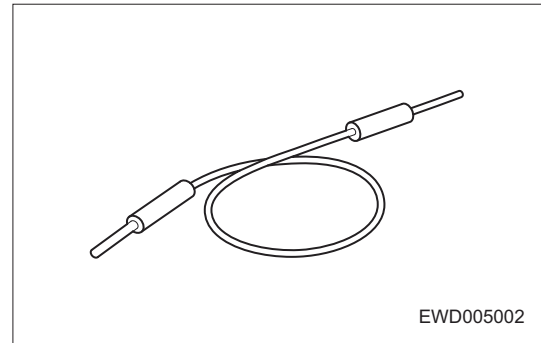
	5-seat	7-seat			
	StarCare	StarCare	StarCare 4WD	StarElite	StarHon our 4WD
W/Lighting Chrome-plated Courtesy Pedal				●	●
Rosewood Grain INS Diaphragm	●	●	●	●	●
6-way Driver Power Seat	●	●	●		
8-way Power Driver Seat				●	●
4-way Driver Seat Electric Lumbar Support				●	●
6-way Front Passenger Seat Power Adjustment	●	●	●	●	●
Front Seat Heating	●	●	●	●	●
Front Seat Ventilation				●	●
Driver Seat Memory	●	●	●	●	●
Front Seatback Map Bag	●	●	●	●	●
Rear Seat 4/6 Folding Down	●	●	●	●	●
Second Row Full Headrest Height Adjustable	●	●	●	●	●
Second Row Sleep Headrest					●
Third Row Full Headrest Height Adjustable	●	●	●	●	●
Rear Center Armrest with Cup Holder (6-seat without center armrest, with independent armrest and cup holder)	●	●	●	●	●
Adjustable and Slidable Second Row Seat	●	●	●	●	●
Adjustable and Recline Third Row Seat	●	●	●	●	●
Artificial Leather Seat					
Regular Leather Perforated Seat	●	●	●		
Premium Leather Perforated Seat Turin				●	●
12-Inch Central Control Touch Screen	●	●	●	●	●
Information Entertainment Control Basic Version	●	●	●		
Information Entertainment Control Basic Version with Touch Version				●	●
Outside Temperature Display	●	●	●	●	●
Radio	●	●	●	●	●
Adjust Volume with Speed	●	●	●	●	●
Stress and Bass Balanced	●	●	●	●	●
On-board Navigation	●	●	●	●	●
Voice Control	●	●	●	●	●

Troubleshooting

Electrical Malfunction Troubleshooting Tool

1. Jumper Wire

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

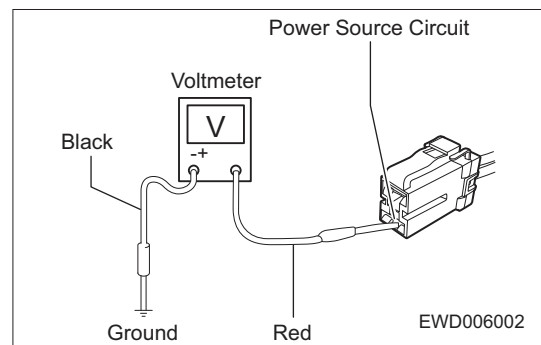


WARNING

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

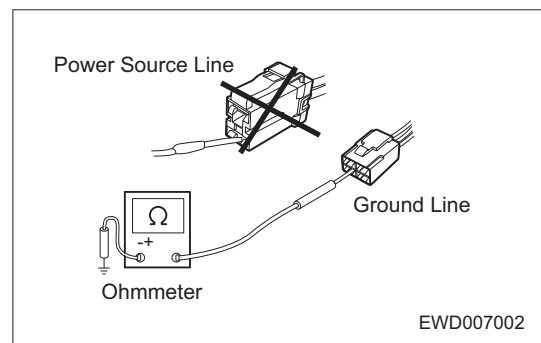
2. Voltmeter

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



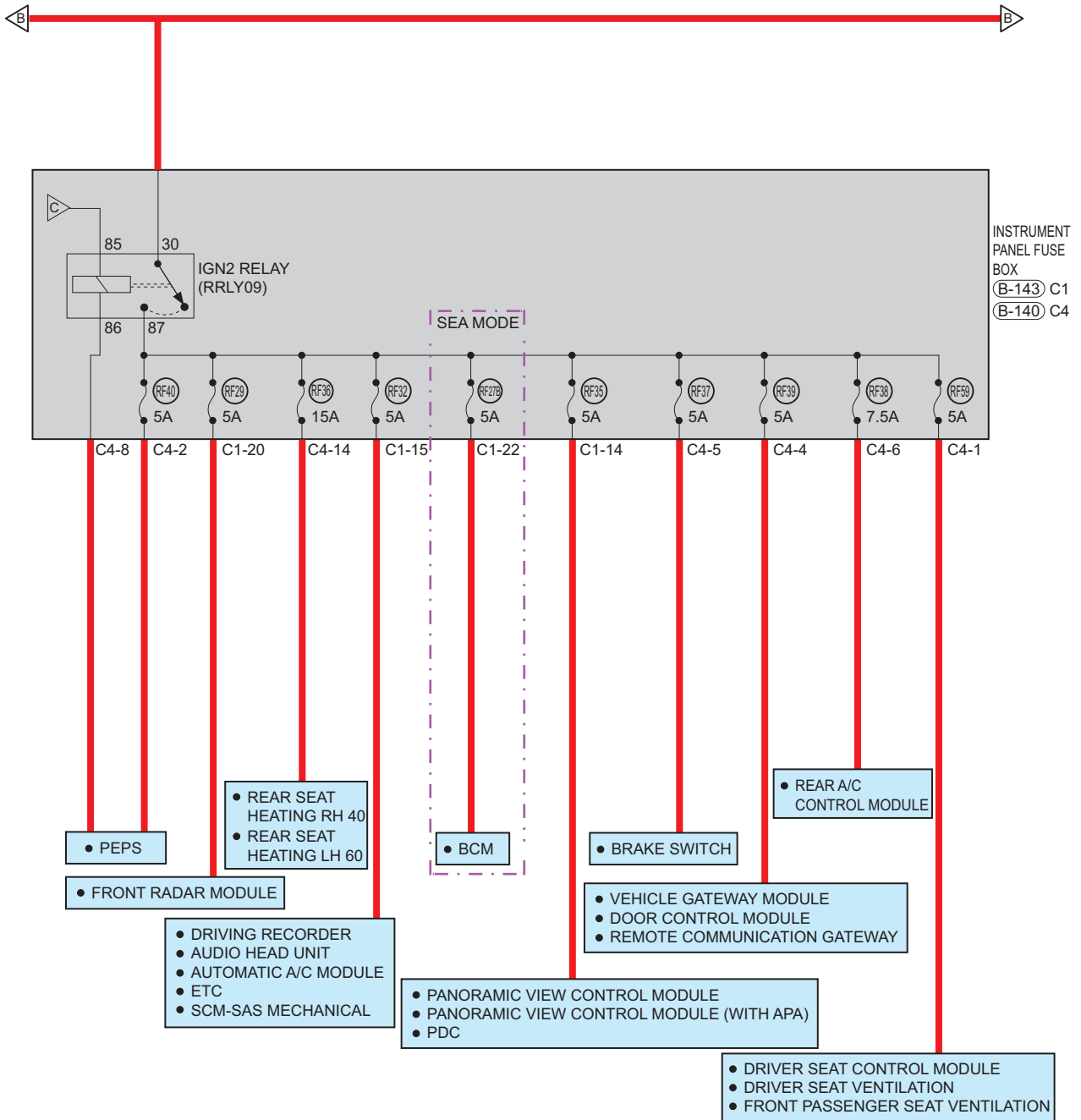
3. Ohmmeter

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



WARNING

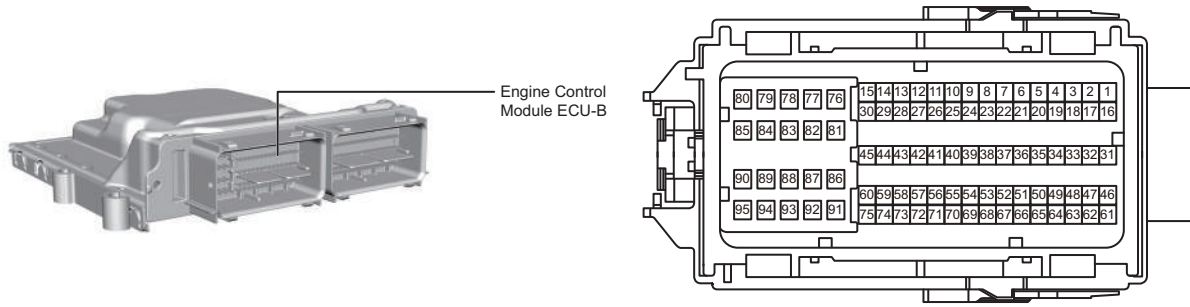
- When applying voltage to the circuit, do not connect the ohmmeter to circuit, otherwise the measurement data may be inaccurate or even cause damage to ohmmeter.



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POE011001

Engine Control Module (ECU-B) Terminal Definition



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

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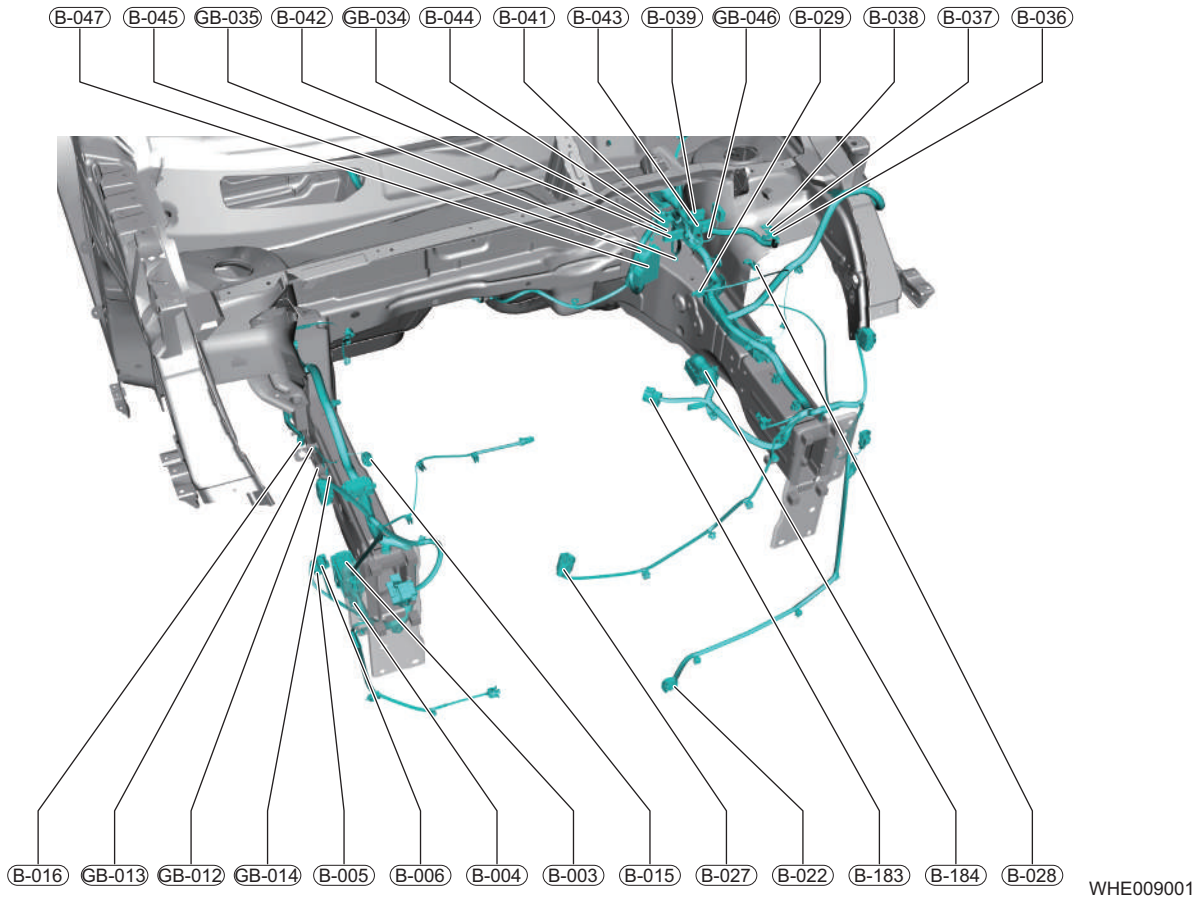


Body Control Module (BCM 2) Terminal Definition

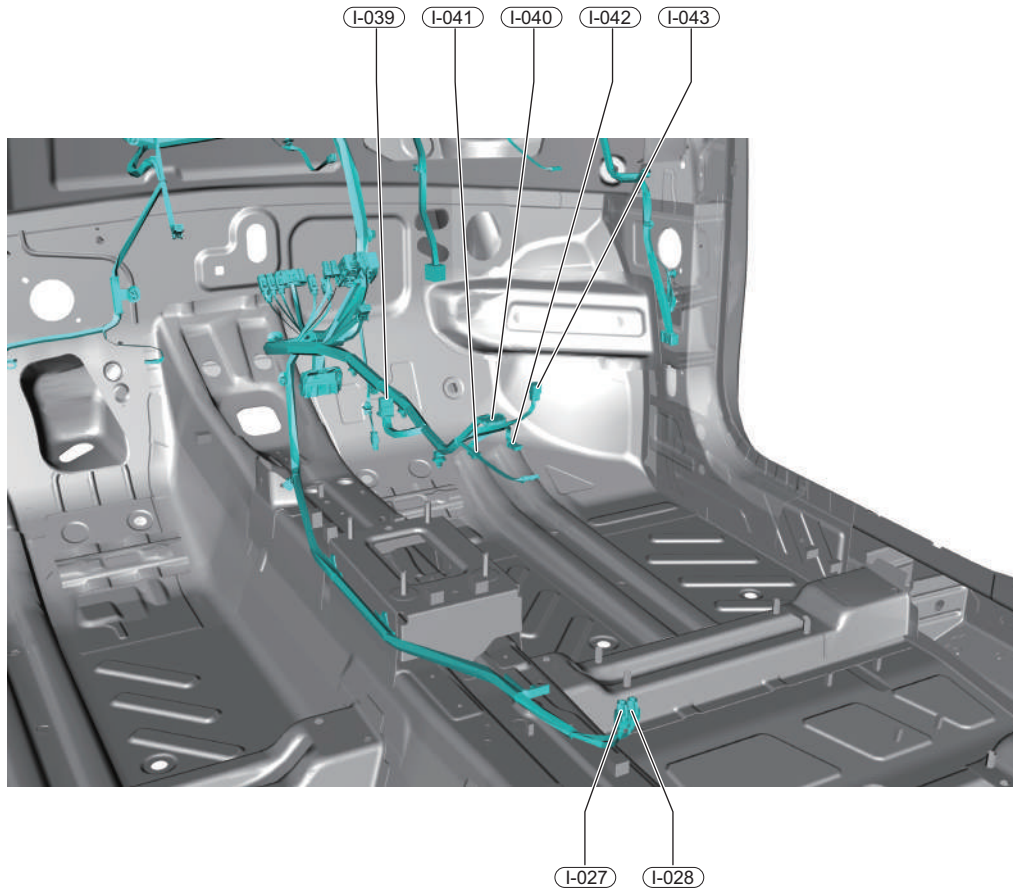


Pin	Definition	Pin	Definition
1	ESS Indicator Output	13	Water Flow Turn Signal Light Mode Signal Output
2	HS-CAN_L	14	Hazard Warning Light Operation Indicator Input
3	–	15	HS-CAN_H
4	–	16	–
5	–	17	IGN-ON Signal Input
6	–	18	–
7	ESS Switch Input	19	–
8	–	20	–
9	LDW Switch Input	21	–
10	Rear View Mirror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

Interior Wire Harness



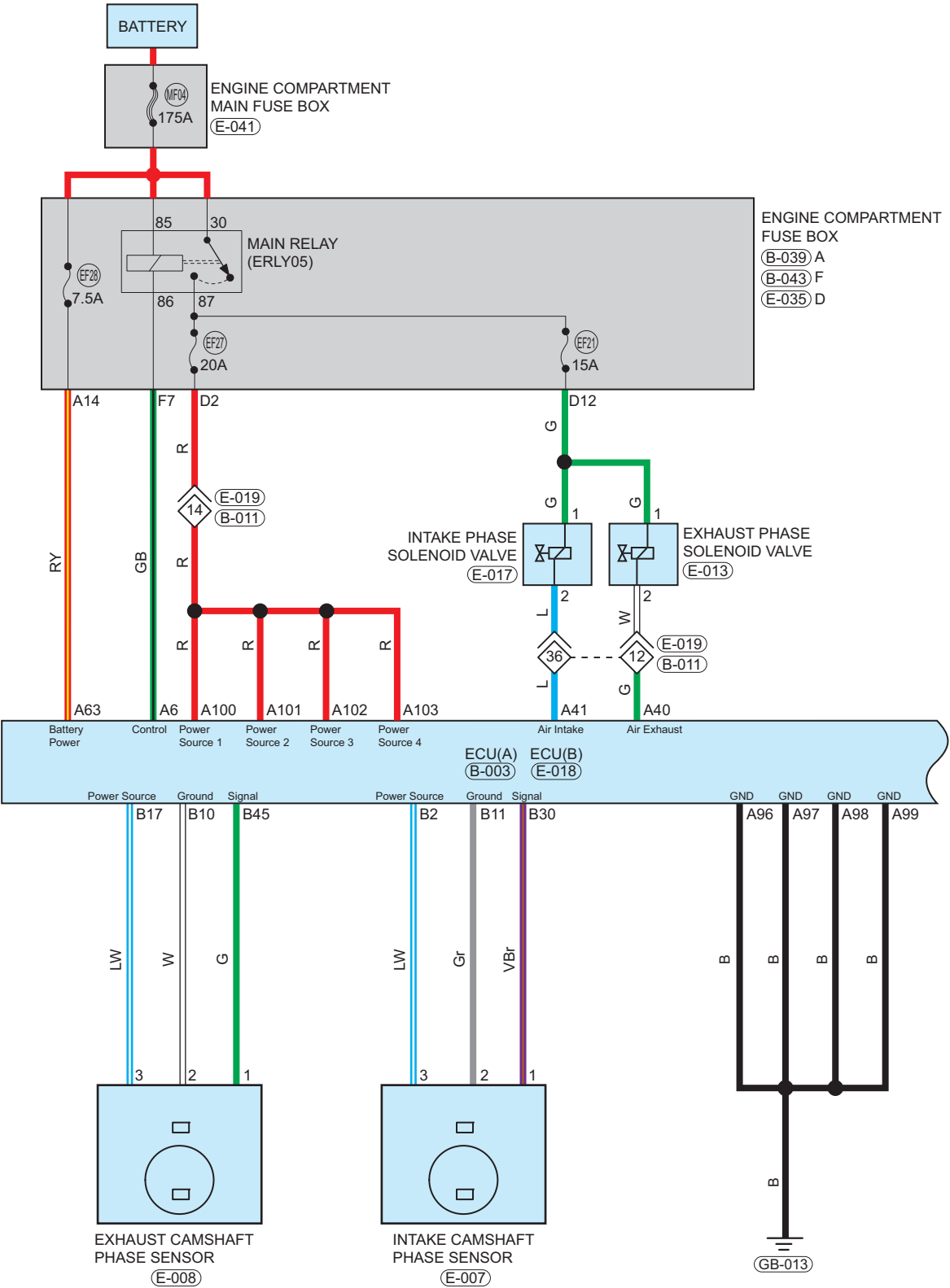
Connector Number	Connector Color/Pin	Connector Name
B-003	B/103	ECU-A
B-004	B/2	Front Right Collision Sensor
B-005	Gr/2	Low Pitched Horn
B-006	Gr/2	High Pitched Horn
GB-012	/1	Ground
GB-013	/1	Ground
GB-014	/1	Ground
B-015	B/3	A/C Pressure Sensor
B-016	B/2	Front Right Wheel Speed Sensor
B-022	B/8	Front Radar Module
B-027	B/4	Cooling fan
B-028	/1	Battery Sensor Power Supply
B-029	B/2	Battery Sensor
GB-034	/1	Ground
GB-035	/1	Ground
B-036	/1	EPS Power Supply



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Connector Number	Connector Color/Pin	Connector Name
I-027	B/4	USB1
I-028	B/4	USB2
I-039	Br/16	Electronic Shift Module (EPB Switch)
I-040	W/8	Mobile Phone Wireless Charging Module
I-041	W/3	Instrument Panel Dual Color/Multi-Color Ambient Light (Left)
I-042	W/3	Instrument Panel Dual Color /Multi-Color Ambient Light (Right)
I-043	B/6	Touch Gesture Control Panel

Intake System



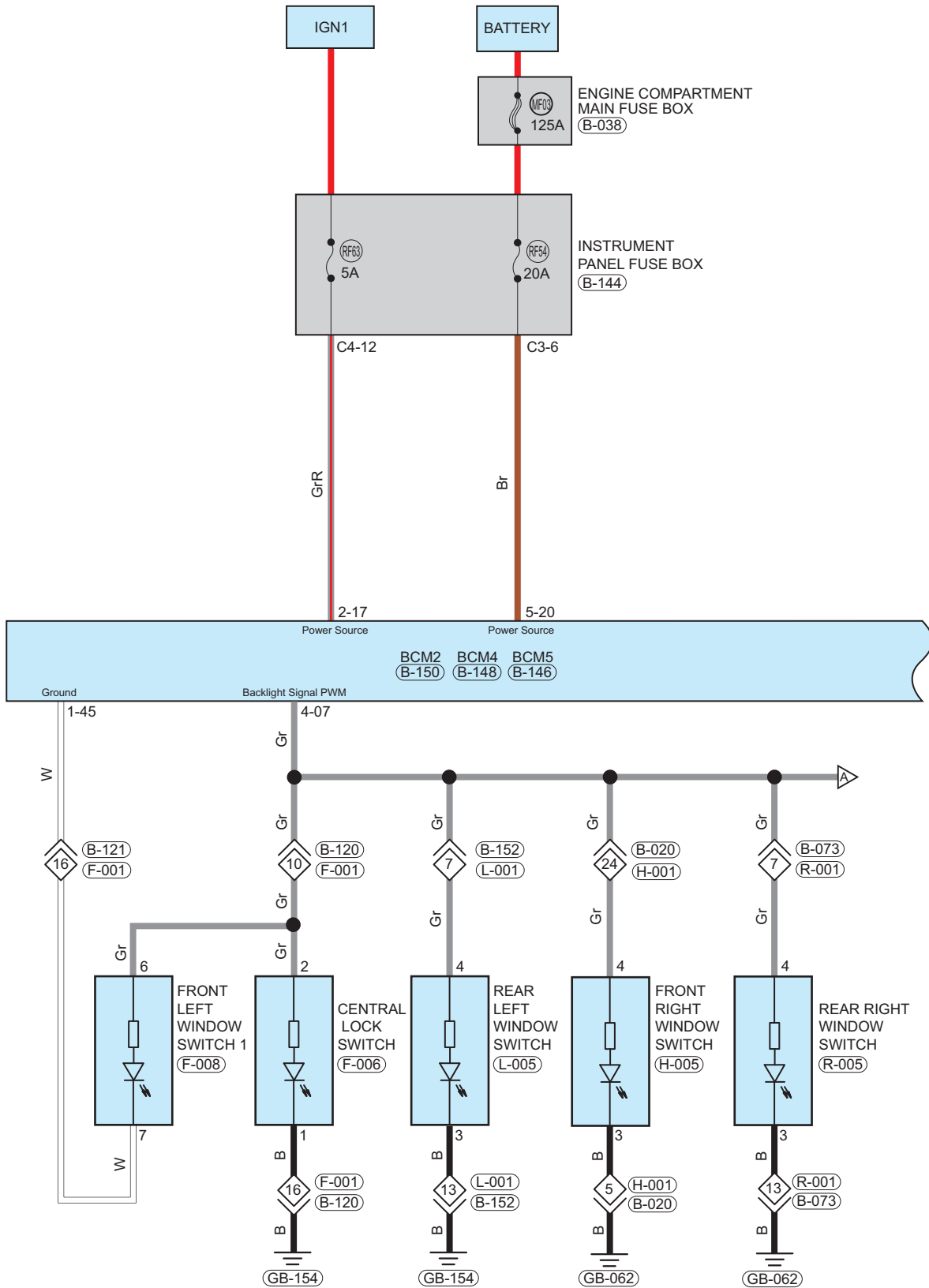
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Electronic Power Steering System (EPS)

Wire Harness Connector	Name	Page Number
B-036	EPS Power Supply	10-43
B-054	EPS-S	10-44
B-055	EPS-P	10-44
B-140	Instrument Cluster Fuse Box C4	10-48
GB-053	Ground	10-44

Background Light

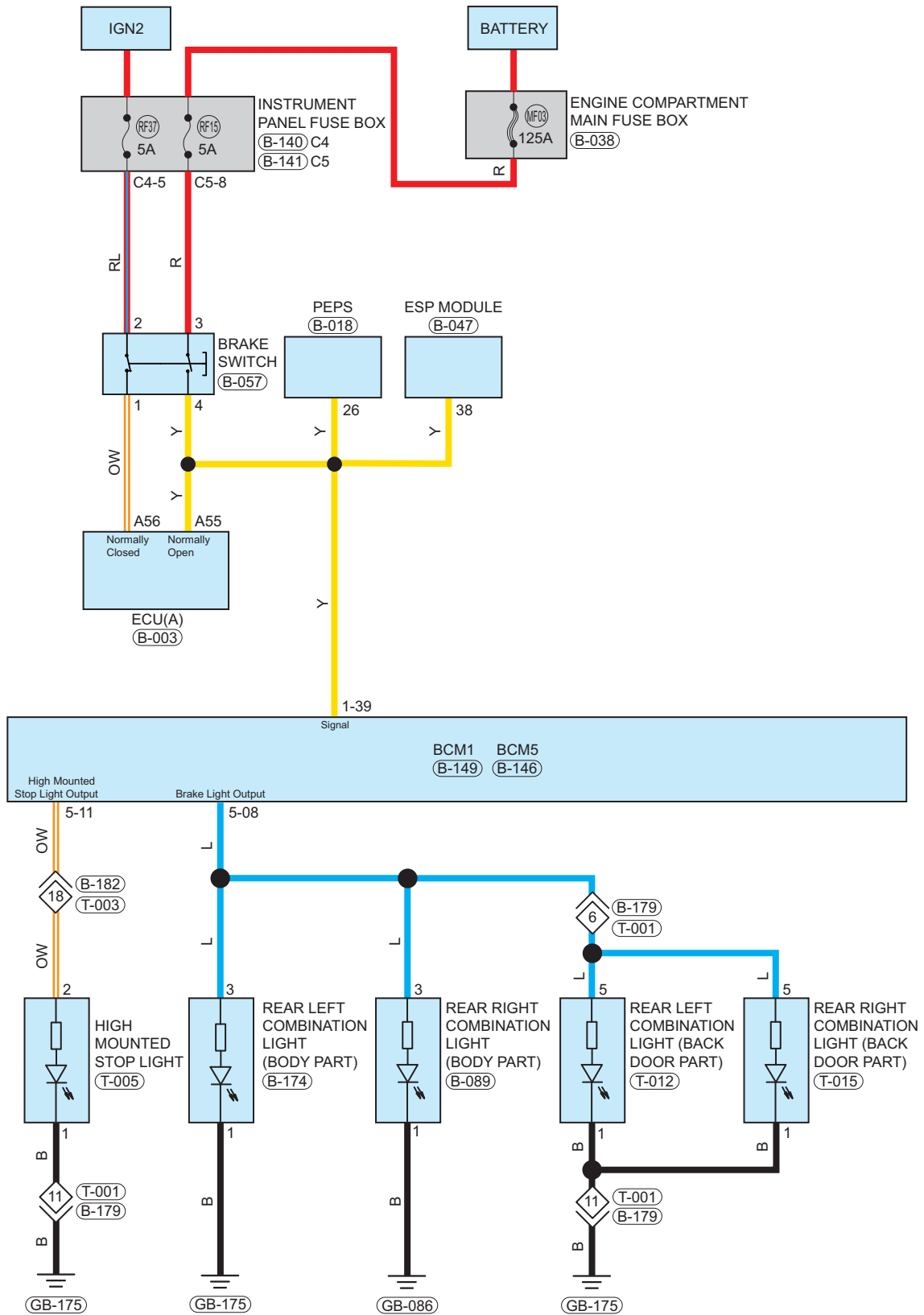


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Brake Light



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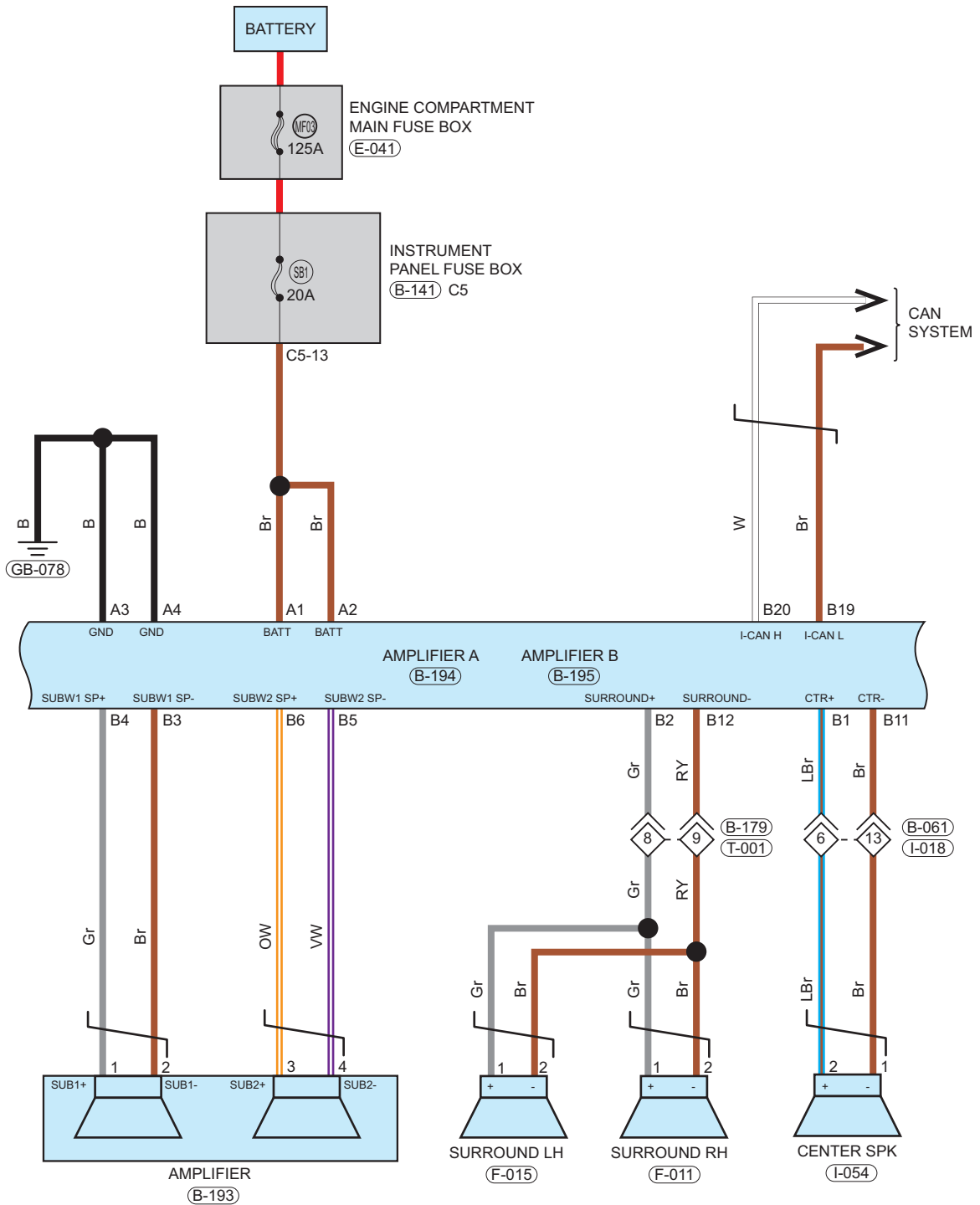
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Window

Wire Harness Connector	Name	Page Number
B-020	Interior Floor Wire Harness to Front Right Door Wire Harness	10-42
B-038	Instrument Cluster Fuse and Relay Box Power Supply	10-43
B-073	Interior Floor Wire Harness to Rear Right Door Wire Harness Interface	10-44
B-120	Interior Floor Wire Harness to Front Left Door Wire Harness Connector 1	10-47
B-121	Interior Floor Wire Harness to Front Left Door Wire Harness Connector 3	10-47
B-140	Instrument Cluster Fuse Box C4	10-48
B-141	Instrument Cluster Fuse Box C5	10-48
B-144	Instrument Cluster Fuse Box C3	10-48
B-146	BCM 5	10-48
B-147	BCM 3	10-48
B-149	BCM 1	10-48
B-152	Interior Floor Wire Harness to Rear Left Door Wire Harness Connector	10-49
F-001	Front Left Door Wire Harness to Interior Floor Wire Harness Connector	10-61
F-005	Anti-theft Indicator	10-61
F-008	Front Left Window Switch 1	10-61
F-010	Front Left Door Glass Regulator	10-61
F-012	Door Control Module A	10-61
F-013	Door Control Module B	10-61
GB-062	Ground	10-44
GB-115	Ground	10-46
GB-116	Ground	10-46
GB-154	Ground	10-49
H-001	Front Right Door Wire Harness to Interior Floor Wire Harness Connector	10-63

Domain Controller (Instrument Panel / Audio / Amplifier)



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Wire Harness Connector	Name	Page Number
I-022	Instrument Cluster Wire Harness to Interior Floor Wire Harness Interface 3 (Right Side)	10-58
I-038	Central Console Switch Assembly	10-58
J-001	Rear Bumper Wire Harness to Interior Floor Wire Harness Interface	10-15
J-002	Rear Right Long Distance Ultrasonic Sensor (APA)	10-15
J-004	Rear Right Radar Sensor (APA)	10-15
J-006	Rear Right Center Radar Sensor (APA)	10-15
J-009	Rear Left Center Radar Sensor (APA)	10-15
J-012	Rear Left Radar Sensor (APA)	10-15
J-015	Rear Left Long Distance Ultrasonic Sensor (APA)	10-15
Q-002	Front Left Long Distance Ultrasonic Sensor (APA)	10-13
Q-003	Front Left Radar Sensor (APA)	10-13
Q-006	Front Left Center Radar Sensor (APA)	10-13
Q-008	Front Right Center Radar Sensor (APA)	10-13
Q-011	Front HD Camera	10-13
Q-013	Front Right Radar Sensor (APA)	10-13
Q-014	Front Right Long Distance Ultrasonic Sensor (APA)	10-13
Q-016	Camera (Front Bumper Wire Harness to Interior Floor Wire Harness Interface)	10-13
Q-017	Front Bumper Wire Harness to Interior Floor Wire Harness Interface	10-13
T-002	Camera (Rear Back door Wire Harness to Interior Floor Wire Harness Interface)	10-71
T-013	Rear Back Door HD Camera	10-71