WIRE HARNESS

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WIRE HARNESS INFORMATION

GENERAL INFORMATION

Description

Wire harness information contains basic introduction of circuit diagrams, inspection methods of cables and connectors, as well as layout of connector positions and wire harness positions, etc.

Circuit Diagram Information

Circuit diagrams are classified into each chapter in Service Manual. If a component appears in a specific system, its related information (such as wire harness, connector, terminal, etc.) will appear in circuit diagram and be introduced in detail. For example, information of Engine Control Module (ECM) is mainly introduced in chapter 6. If component wire harness involves other systems, the component information will also appear in corresponding system.

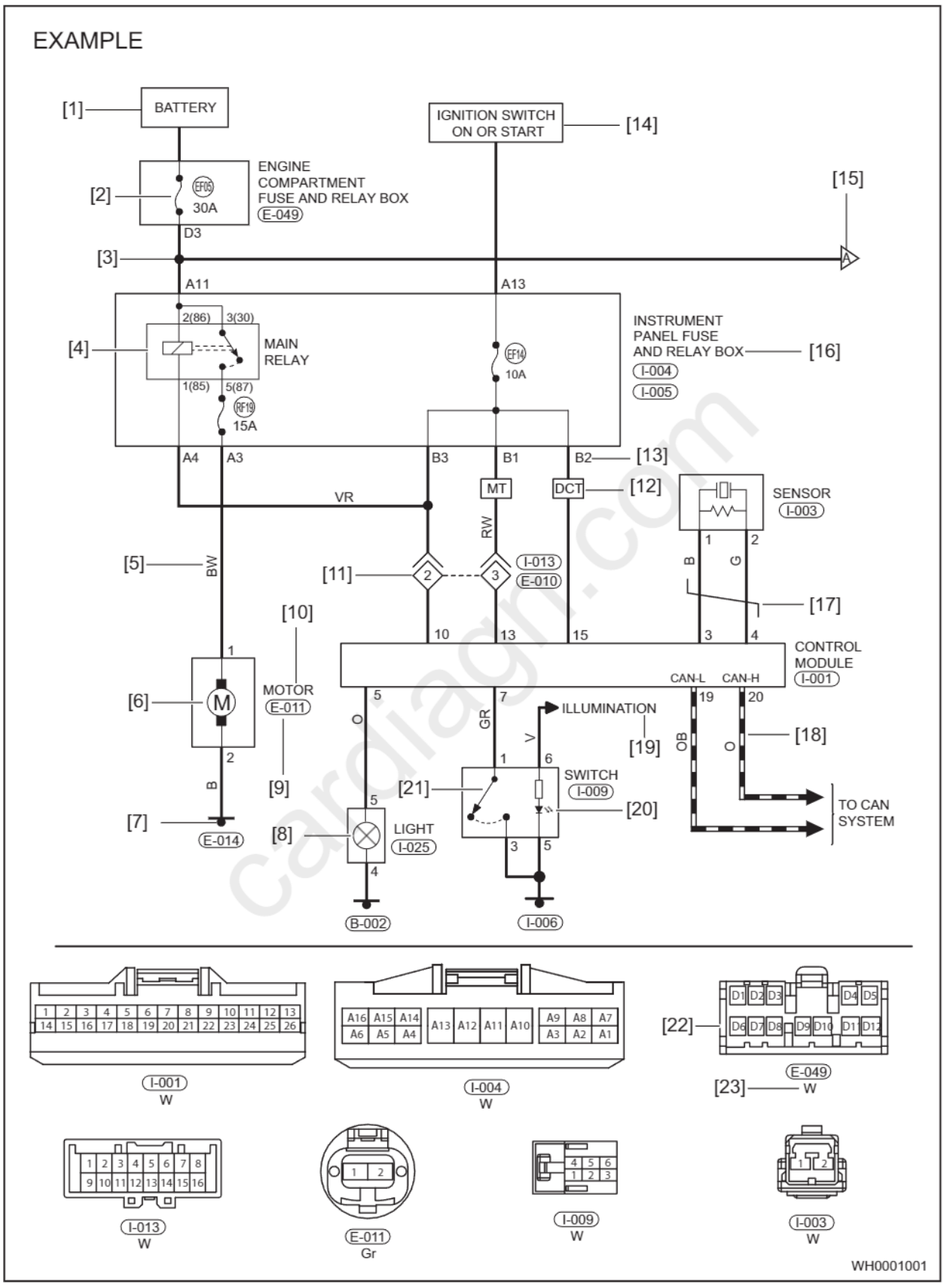
Chery automobile offers related circuit diagram information of vehicle electrical equipment to help technicians determine and detect vehicle malfunctions effectively.

Functions and features of circuit diagram:

- Power supply circuit is on the top of page, while ground circuit is at the bottom.
- Components (such as switches and fuses) are shown in circuit diagram in form of simple icon.

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Circuit Diagram Instruction



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The following is a list of symbols defined in circuit diagram.

No.	Terminal Definition	Description
[1]	Battery	It indicates power supply from battery positive to electrical equipment.
[2]	Fuse	This symbol indicates a fuse; "EF05" indicates fuse number; "30A" indicates rated amperage of this fuse.
[3]	Splice Point	The solid circle indicates that each intersecting wire is interconnected.
[4]	Relay	This symbol indicates a relay; "MAIN RELAY" indicates relay name; "1", "2", "3" and "5", or "85", "86", "87" and "30" indicate terminal numbers of this relay.
[5]	Color	It indicates color of this wire. Color codes are as follows: B = Black; W = White; R = Red; G = Green; L = Blue; Y = Yellow; Br = Brown; O = Orange; Gr = Gray; P = Pink; V = Violet; Lg = Light Green. For example: "BrR" indicates the main color is brown in wire color and second color is red.
[6]	Motor	This symbol indicates a motor.
[7]	Ground Point	It indicates ground connection.
[8]	Bulb	This symbol indicates a light bulb.
[9]	Connector Code	"E-011" indicates the connector code of this component, and letter "E" indicates the wire harness code in which the connector is located. The connector codes are as follows: Q = Front Bumper Wire Harness; E = Engine Wire Harness; I = Instrument Panel Wire Harness; B = Body Wire Harness; J = Rear Bumper Wire Harness; D = DCT Transmission Wiring 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 Left Door Wire Harness; M = Back Right Door Wire Harness; P = Battery Wire Harness; N = Ground Wire Harness; K = A/C System Wire Harness.
[10]	Component Name	It indicates name of this component.
[11]	Connector	It indicates junction connectors. "Λ" indicates female connector and "I-013" is applicable number; "◊" indicates male connector and "E-010" is applicable number. Number "2" and "3" inside male connector code indicates the used terminal number. "----" indicates the same connector.
[12]	Vehicle Model	"DCT" indicates it is for DCT model; "CVT" indicates it is for CVT model; "MT" indicates it is for MT model.
[13]	Terminal No.	It indicates terminal number in connector of this component.
[14]	Ignition Switch	It indicates power supply from ignition switch to electrical equipment.
[15]	Connected to …	It indicates that wire harness is connected to the circuit diagram on next page. Letter "A" is connected with "A" in circuit diagram on next page.
[16]	Fuse and Relay Box Name	It indicates the name of fuse and relay box.
[17]	Twisted-pair Wire	It indicates that two wires are twisted.
[18]	CAN	It indicates CAN wire is used to communicate. It is connected to CAN system.
[19]	Background Light Power Supply	It indicates background light illumination power supply output from BCM.

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No.	Terminal Definition	Description
[20]	LED	It is used for indicators, warning lights in switches or instrument cluster or or for illumination.
[21]	Switch	This symbol indicates a switch.
[22]	Connector View	It indicates the cross section of connector and description of terminal number.
[23]	Connector Color	Letter "W" indicates the color of connector. Color codes are the same as above.

Electrical Troubleshooting

Wire Harness Troubleshooting

Following 6 steps are helpful to troubleshoot the wire harness. Be sure to check non-original components added to vehicle before performing any diagnosis. If vehicle is equipped with these components, disconnect them to verify these added components are not the cause of problem.
Perform following steps when troubleshooting wire harness:

1. Verify the problem.
2. Look for any related symptom (by inspecting components in the same circuit).
3. Analyze symptoms (use wire harness diagram to determine current flowing direction, areas where problems most likely occur and area where diagnosis will continue).
4. Isolate the problem area.
5. Repair the problem area.
6. Check for proper operation (in this step, check all items in repaired circuit for proper operation).

Voltage Test

1. Ground the negative probe (black) of voltmeter.
2. Connect positive probe (red) of voltmeter to selected measuring point (turn ignition switch to ON as necessary). Check voltage value displayed on voltmeter.

Circuit Continuity Test

1. Turn off all electrical equipment and the ignition switch, and disconnect the negative battery cable.
2. Remove the circuit to be tested.
3. Connect two probes of ohmmeter to two ends of circuit to be tested respectively, and check for circuit continuity (low resistance means there is good continuity in circuit).

Short Circuit Test

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

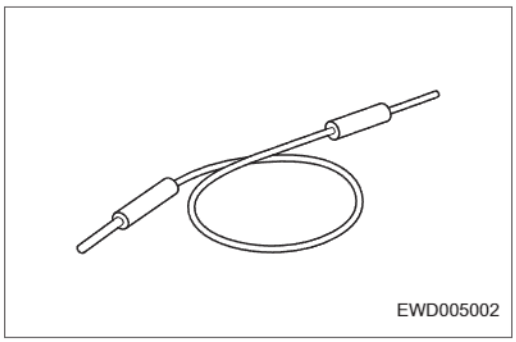
Electrical Troubleshooting Tools

1. Jumper Wire

   Jumper wire is used to create a temporary circuit. Connect jumper wire between terminals of a circuit to bypass a switch.

   Caution:

   - DO NOT connect a jumper wire from power supply side to body ground, as this may damage wire harnesses or electrical components.

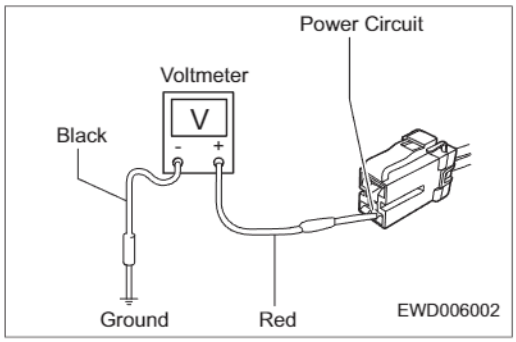


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2. Voltmeter

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

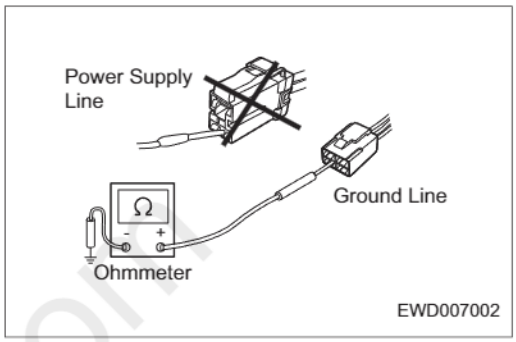


3. Ohmmeter

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

   Caution:

   - DO NOT connect ohmmeter to a circuit when applying voltage to circuit, as this may result in inaccurate measured data or even damage ohmmeter.



Electrical Repair

Wire Harness Repair

Caution:

- Measure length of lead to be repaired and select a proper substitute lead before servicing.
- If there are several leads to be repaired, please stagger the repaired parts.

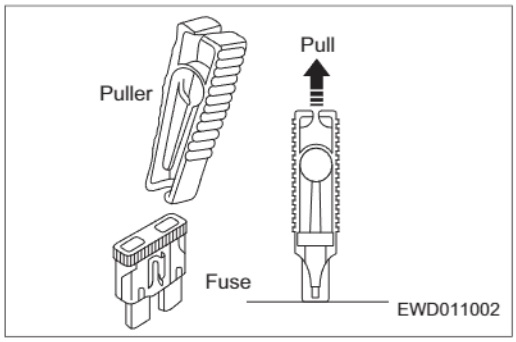
1. Peel off 0.5 inch insulating layer from lead to be repaired and substitute lead.
2. Connect original lead to substitute lead with heat shrink tube and compress metal core of heat shrink tube with a tool, so that the original lead and substitute lead can be connected firmly.
3. Heat the heat shrink tube to shrink its outer rubber layer and ensure that sealing of repaired area is in good condition.
4. Wrap the repaired lead with insulating tape.

Fuse Replacement

Caution:

- Energizing test should be performed after replacing fuse. If the fuse is blown again, check corresponding circuit for short. If any electrical equipment or additional device which exceeds rated current is installed by user, replace it with a fuse with higher amperage.

1. Turn off all electrical equipment and the ignition switch before servicing.
2. Remove blown fuse with a fuse puller.



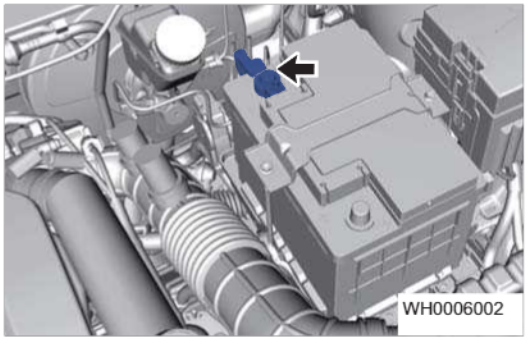
3. Replace fuse with a new one which has the same specification.

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Electrical Components

1. Battery Cable

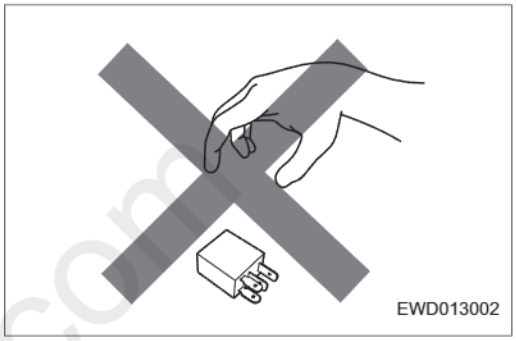
   Disconnect negative battery cable (arrow) before servicing electrical components.



2. Sensor, Switch and Relay

   Do not drop or tap sensor, switch or relay to avoid damaging components during servicing.

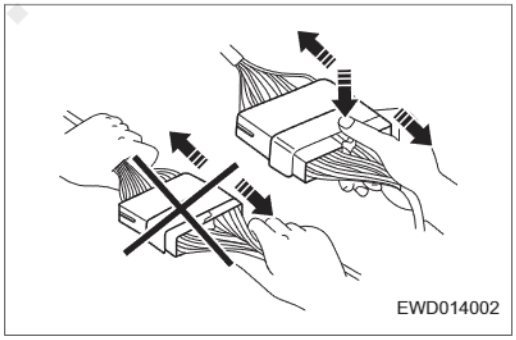
   Caution:
   - Replace the relay with a new one which has same specification.



3. Connector

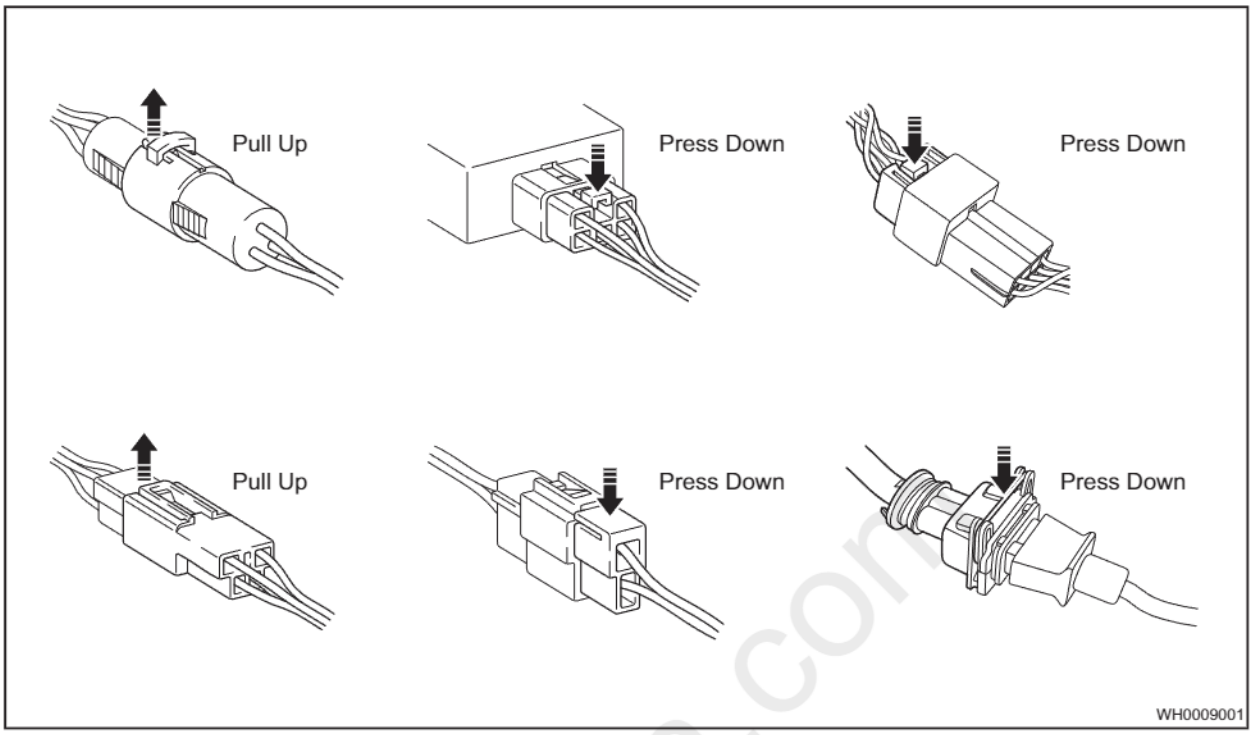
   (a) Disconnect the connector.
   Hold connector by hand and press connector clips to disconnect it.

   Caution:
   - DO not pull wire harness forcibly to avoid damaging components when disconnecting connectors.

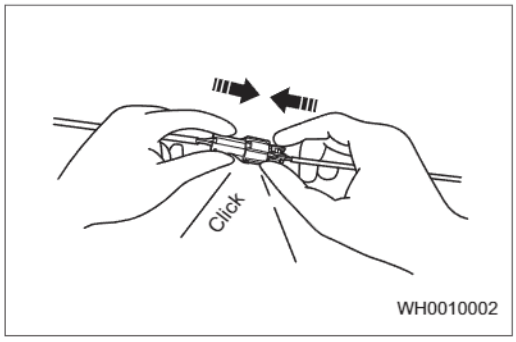


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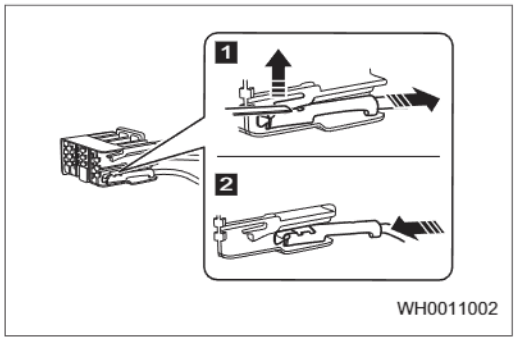
There are a variety of ways to fix connector clip, and common disconnection methods are shown in illustration.



(b) Install the connector
A "click" sound can be heard when a connector is installed in place.

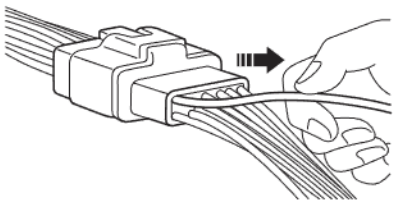


(c) Replace the connector terminal.
As shown in illustration (1), insert a suitable tool into terminal to lift up fixing clip, and then pull out terminal from behind.
During installation, push terminal from back of connector to ensure that fixing clip is fitted in place as shown in illustration (2).



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(d) Check the connector terminal.
Pull a single terminal wire gently to check if it is installed in place.



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VEHICLE POWER DISTRIBUTION

GENERAL INFORMATION

Description

Power distribution system provides secure, reliable and efficient power for all electrical equipment on entire vehicle.

Power distribution system consists of following components:

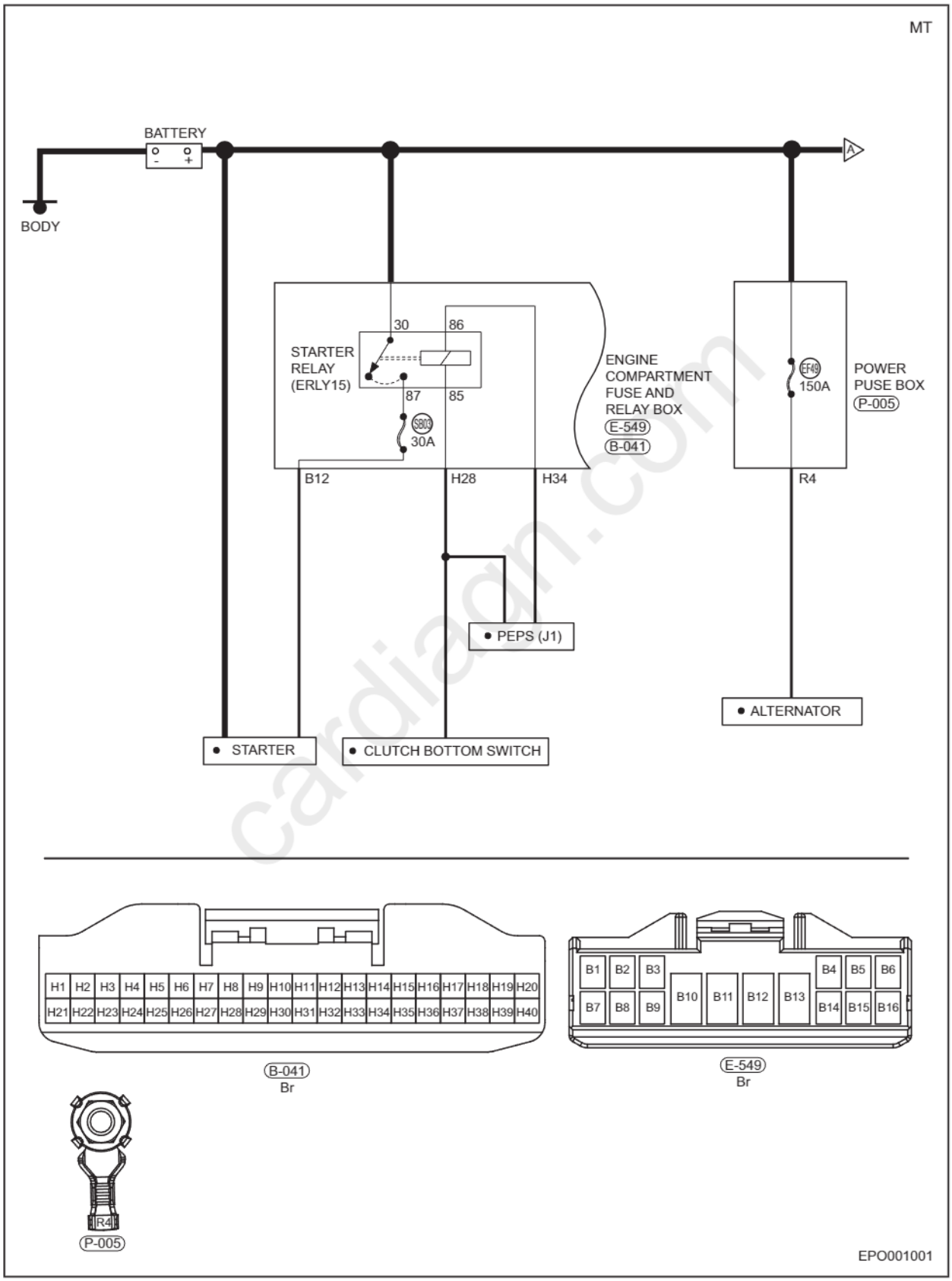
- Battery
- Engine compartment fuse and relay box
- Instrument panel fuse and relay box
- Ignition switch
- Fuse
- Relay

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Circuit Diagram

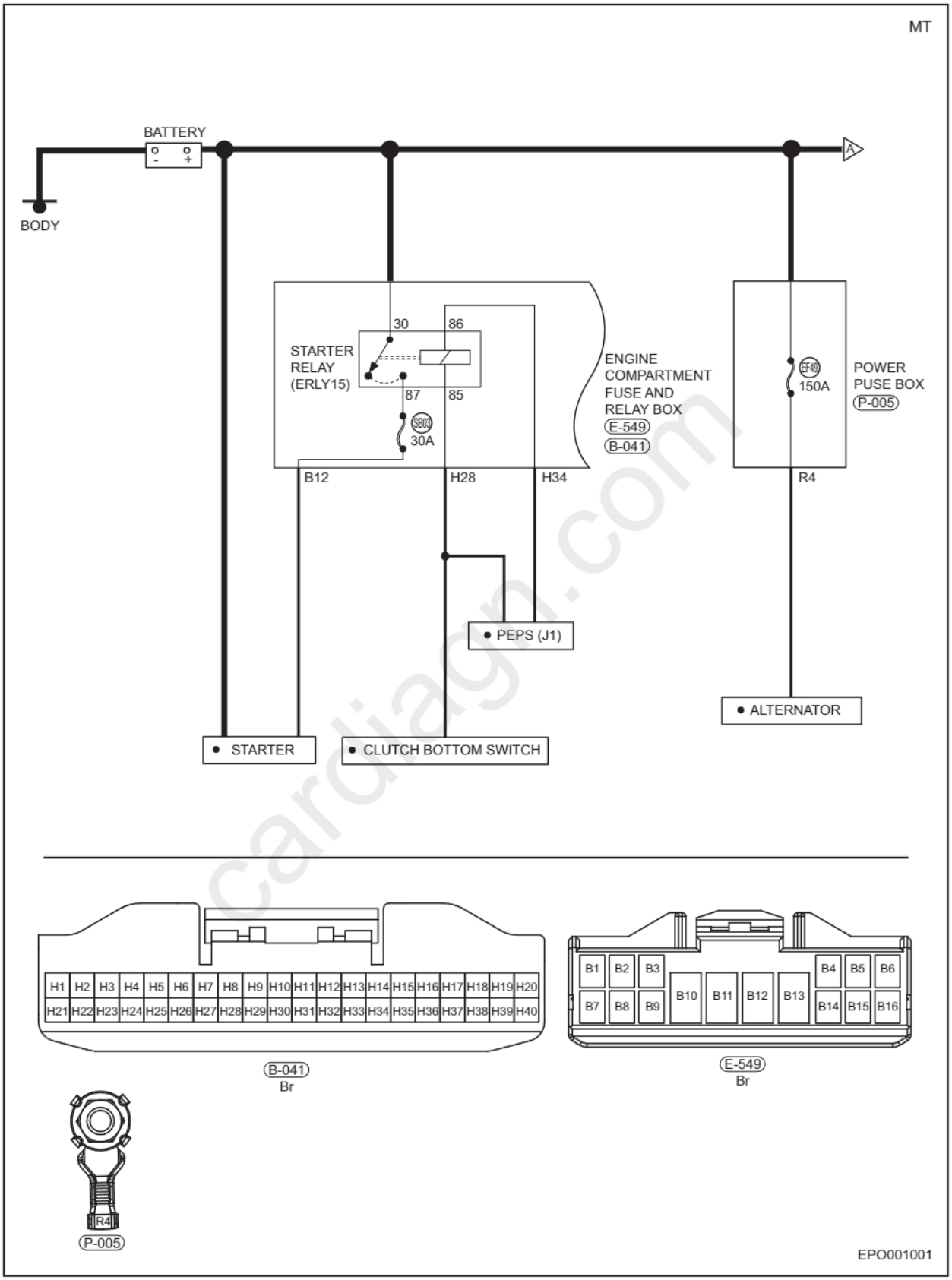
Power Distribution

Circuit Diagram (Page 1 of 14)



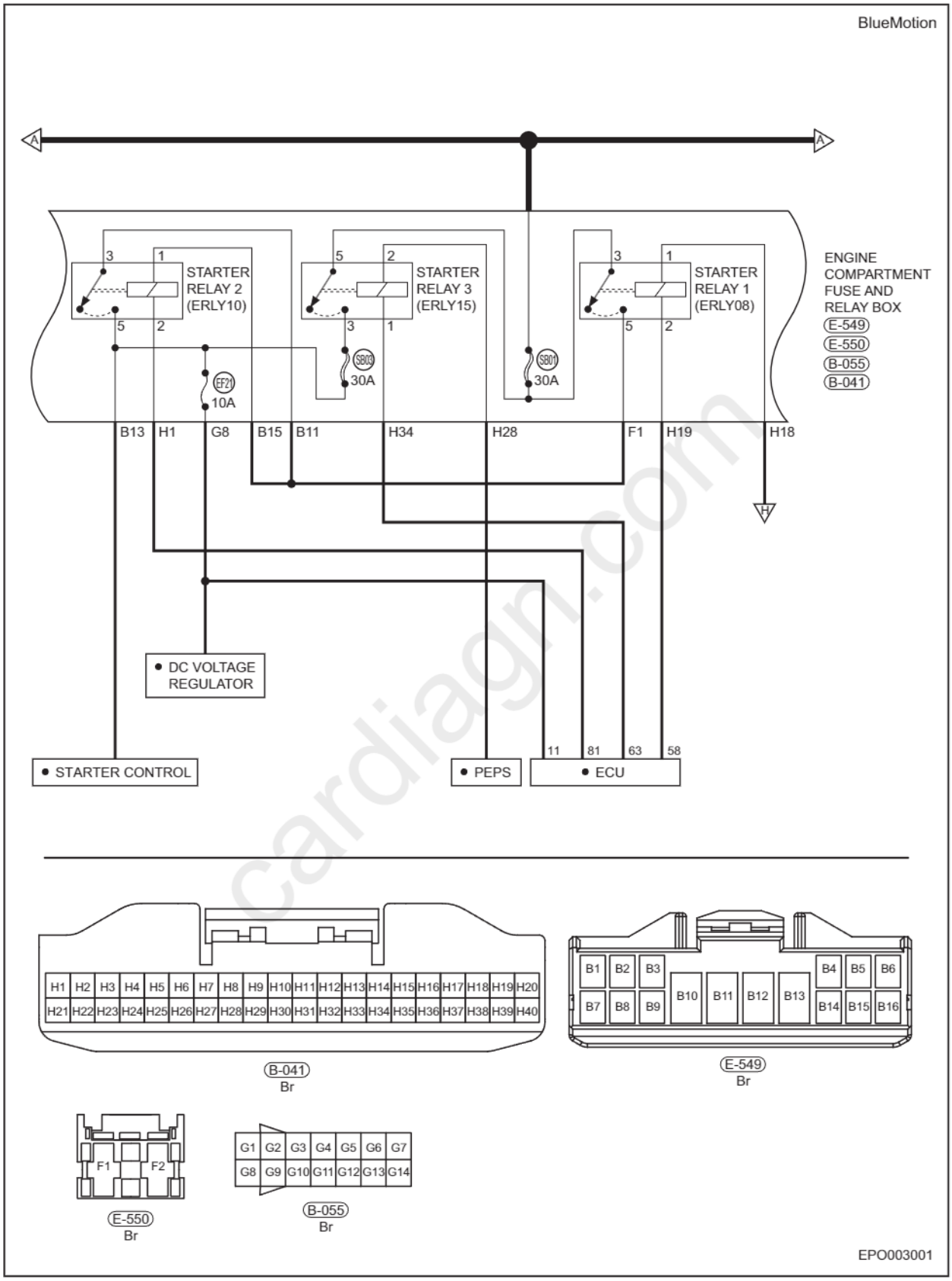
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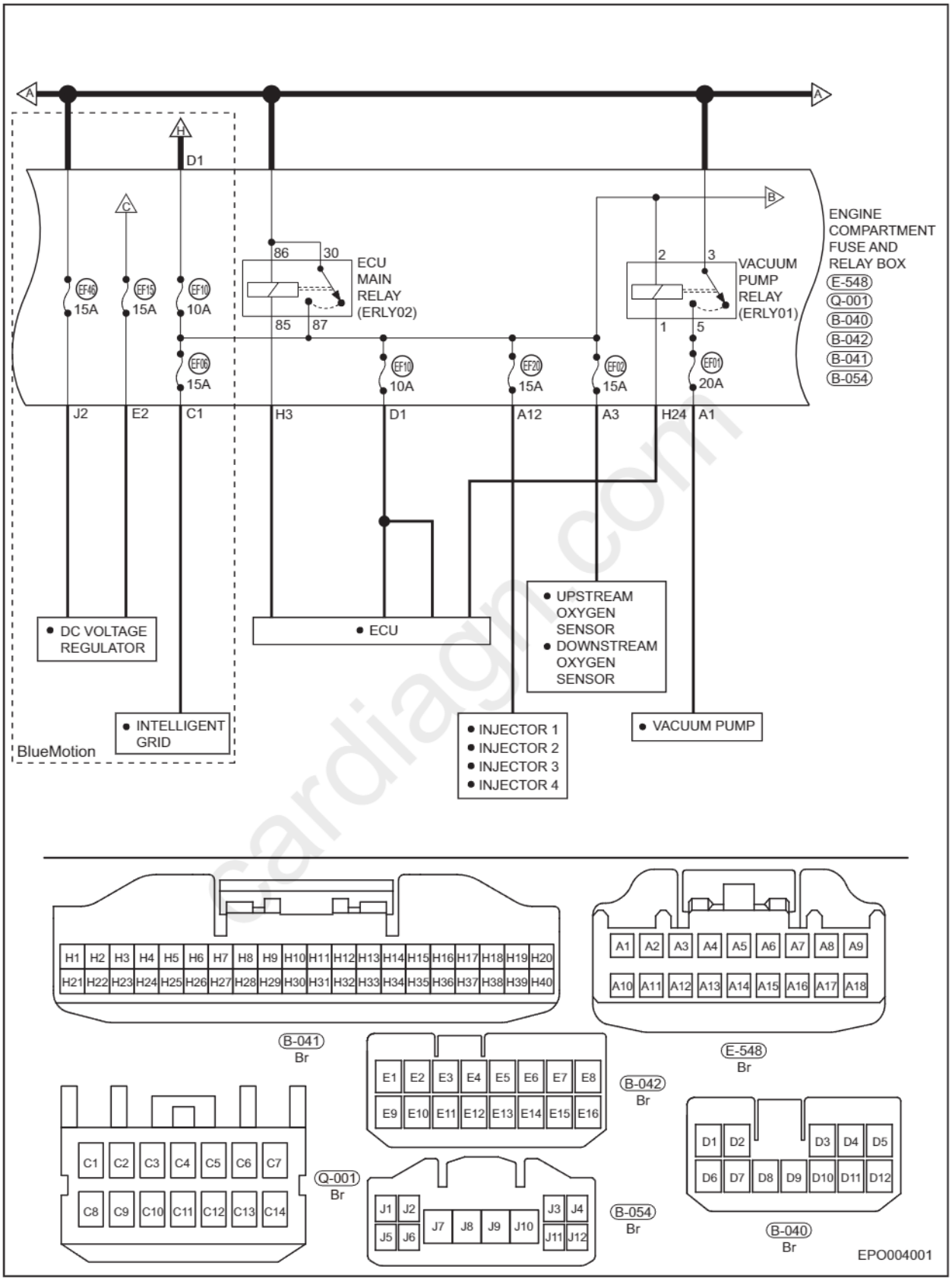
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Circuit Diagram (Page 3 of 14)



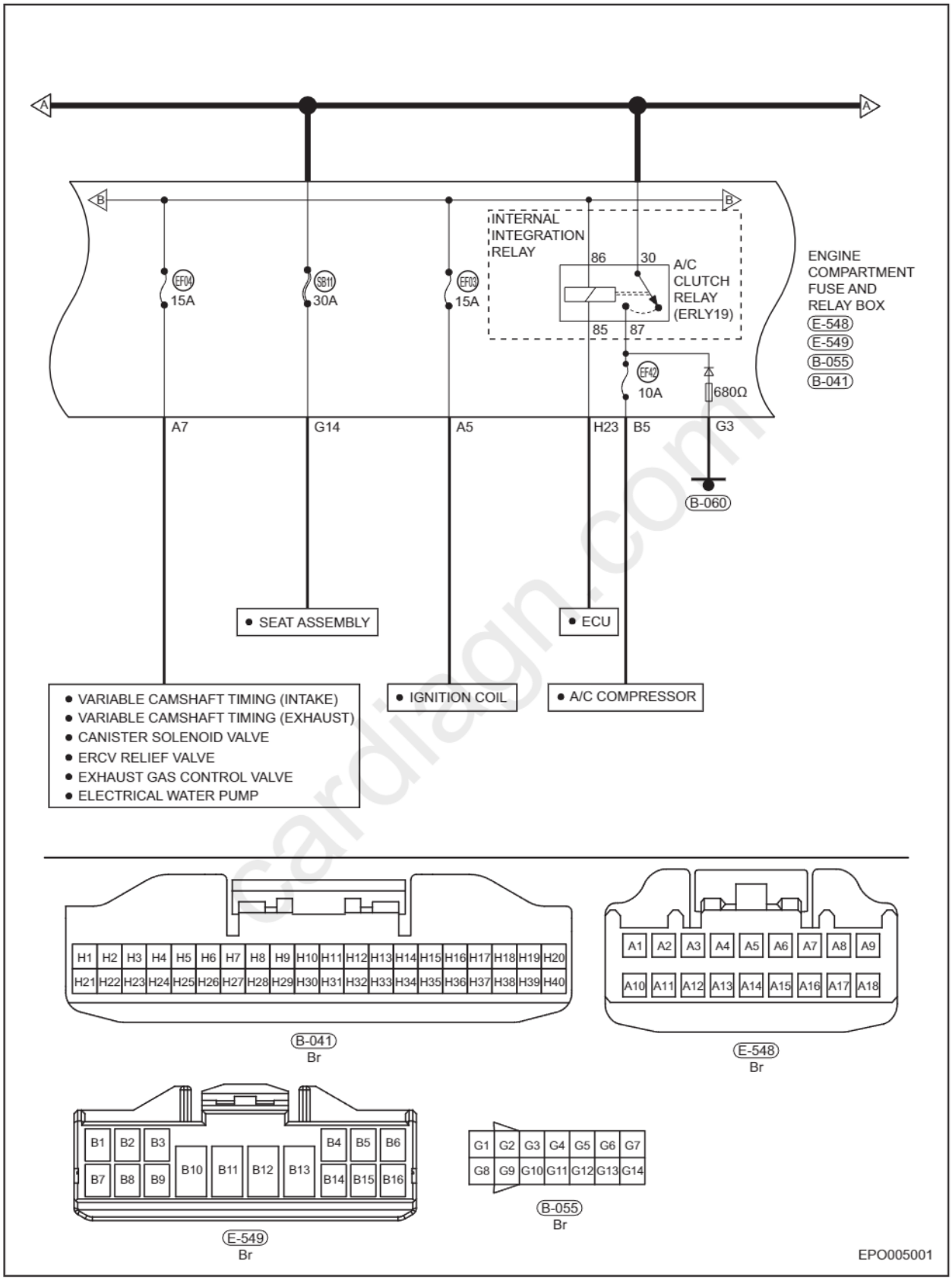
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Circuit Diagram (Page 4 of 14)



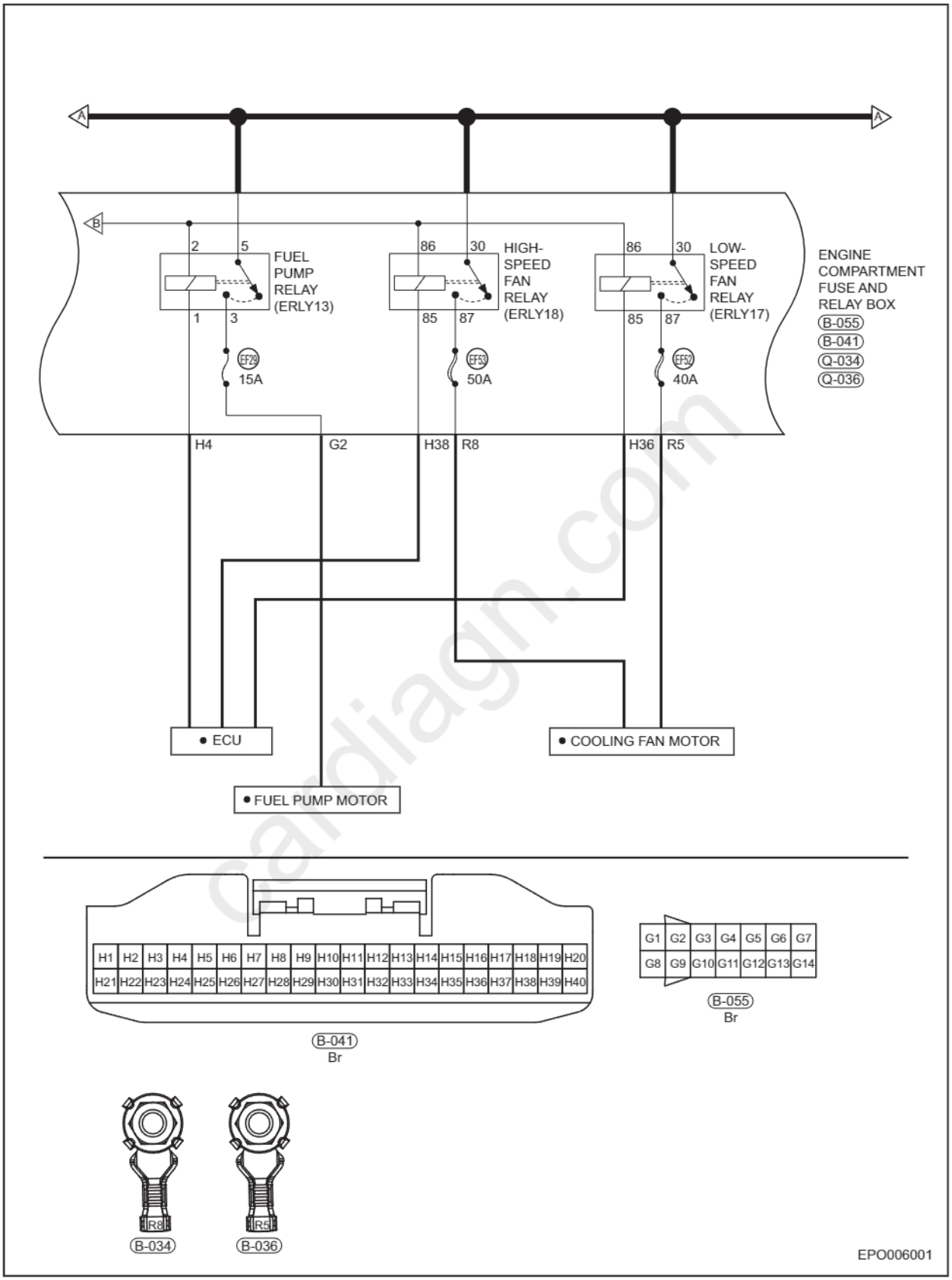
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Circuit Diagram (Page 5 of 14)



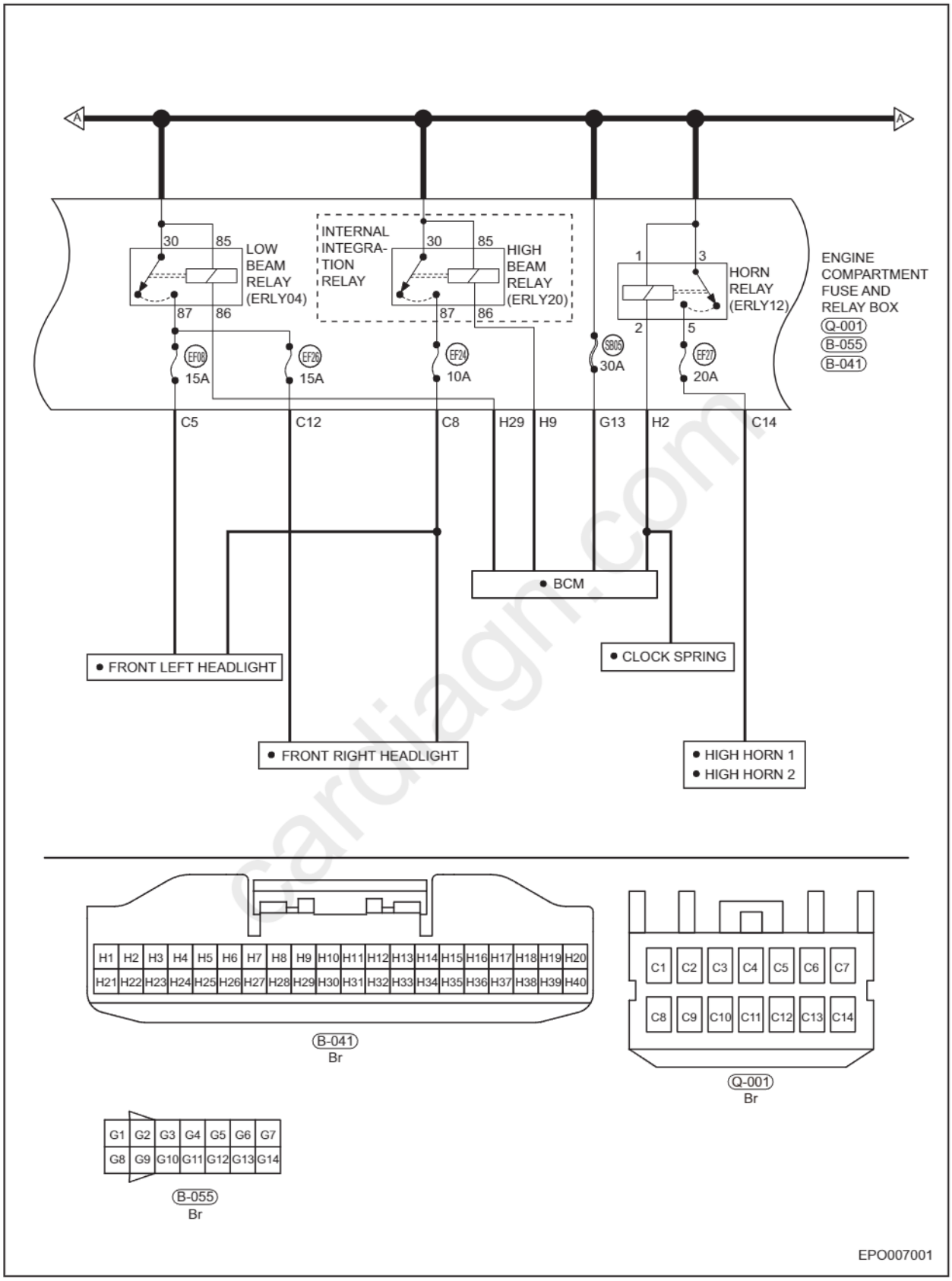
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Circuit Diagram (Page 6 of 14)



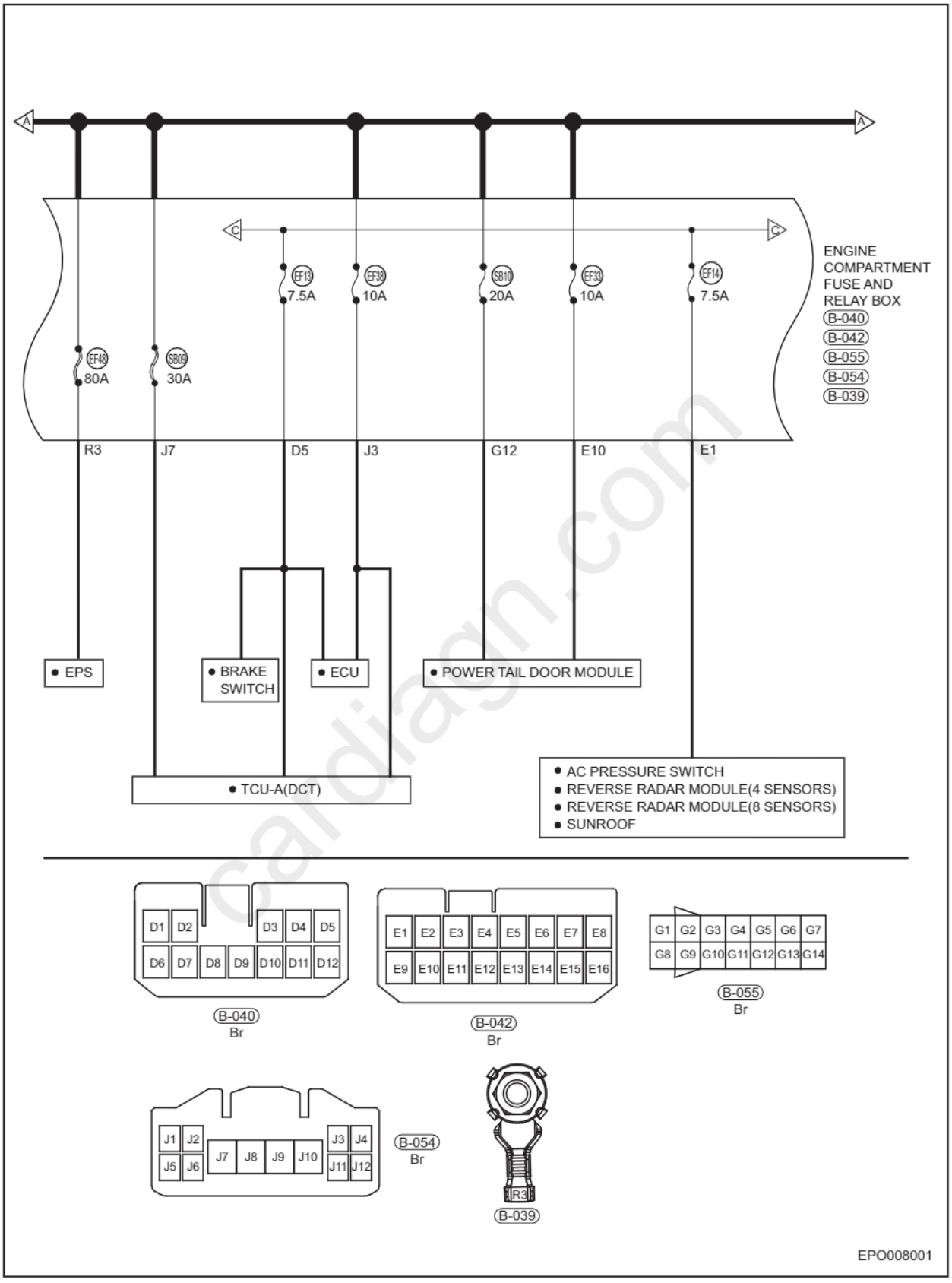
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Circuit Diagram (Page 7 of 14)



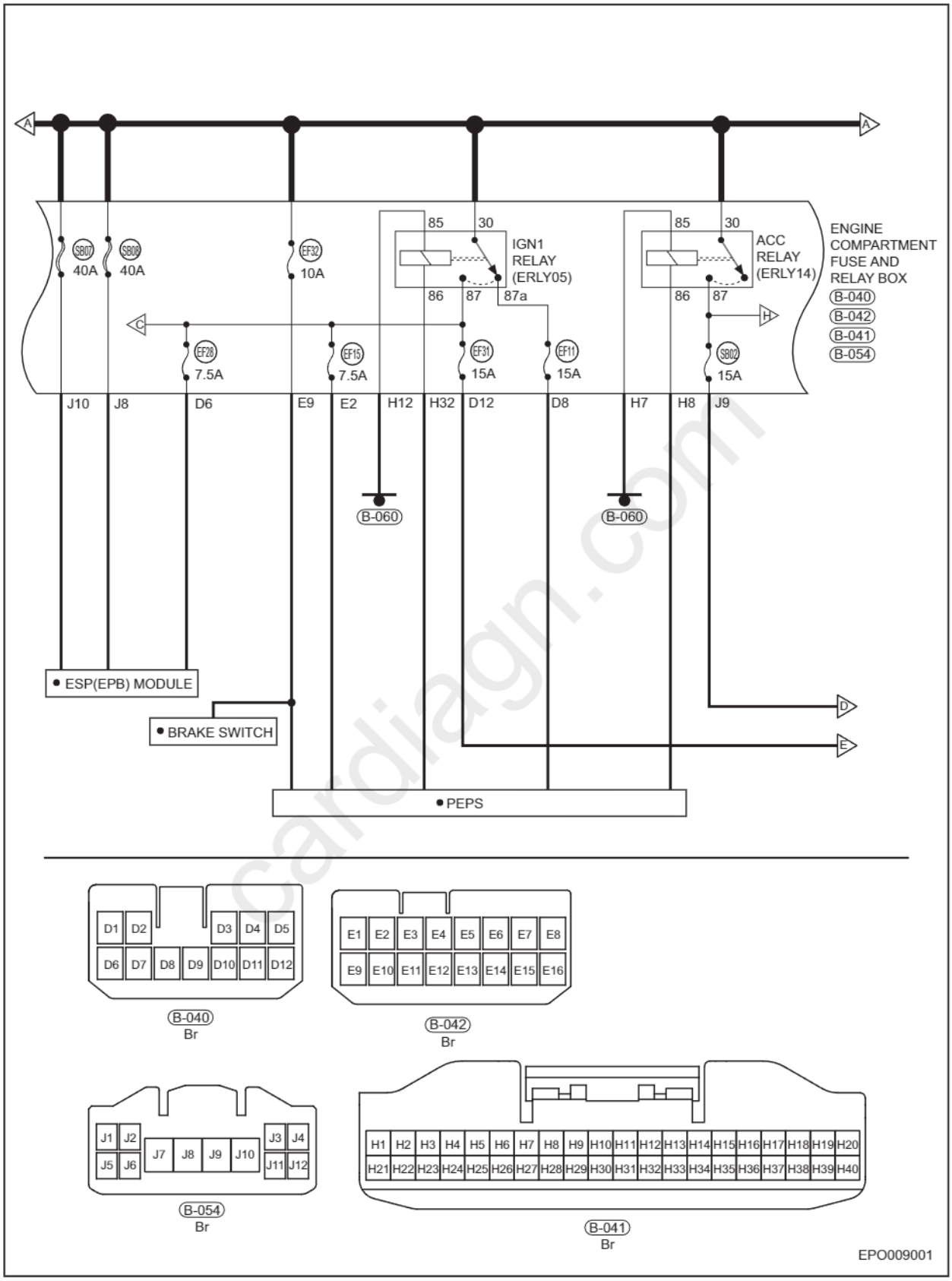
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Circuit Diagram (Page 8 of 14)



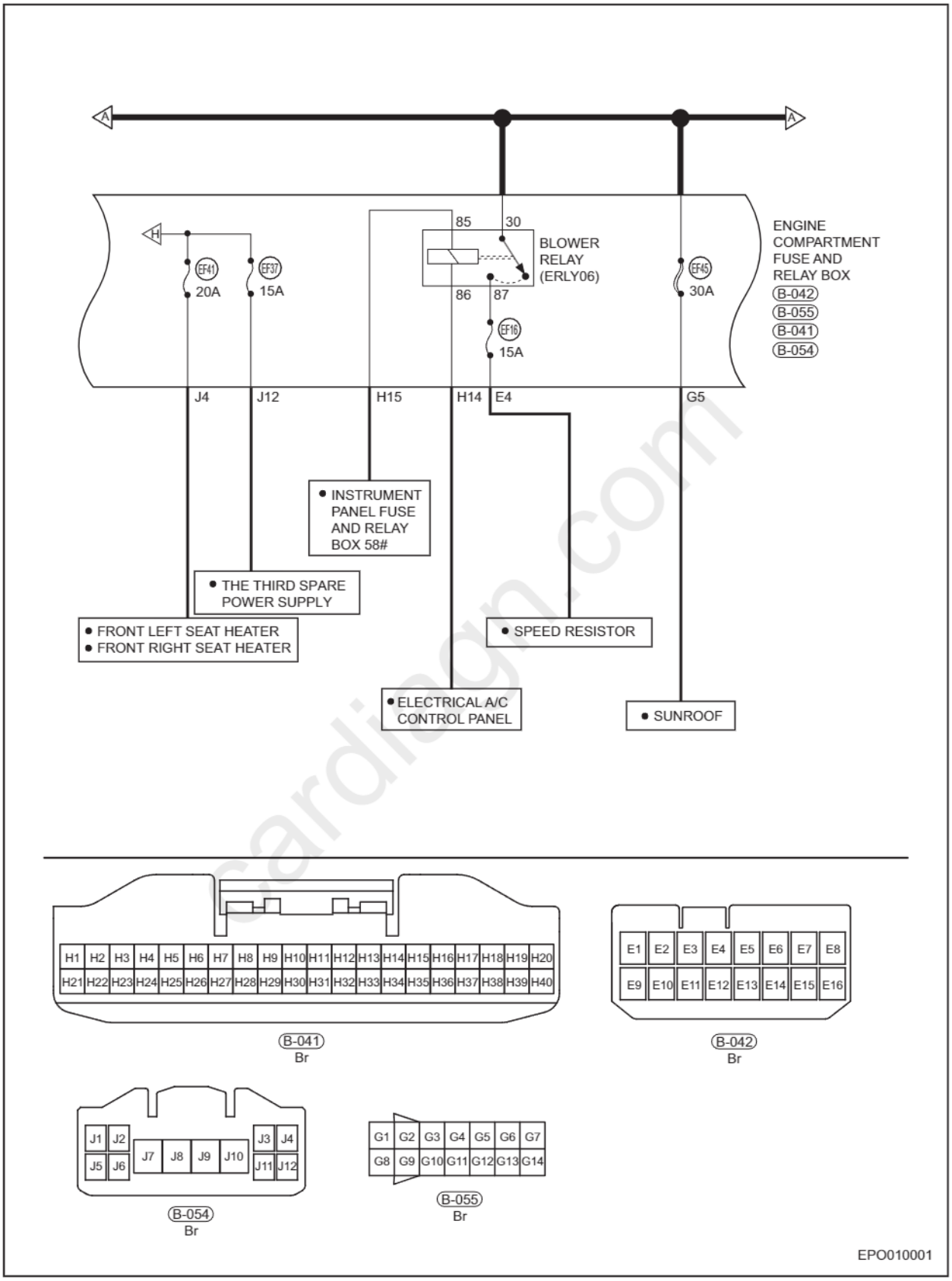
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Circuit Diagram (Page 9 of 14)



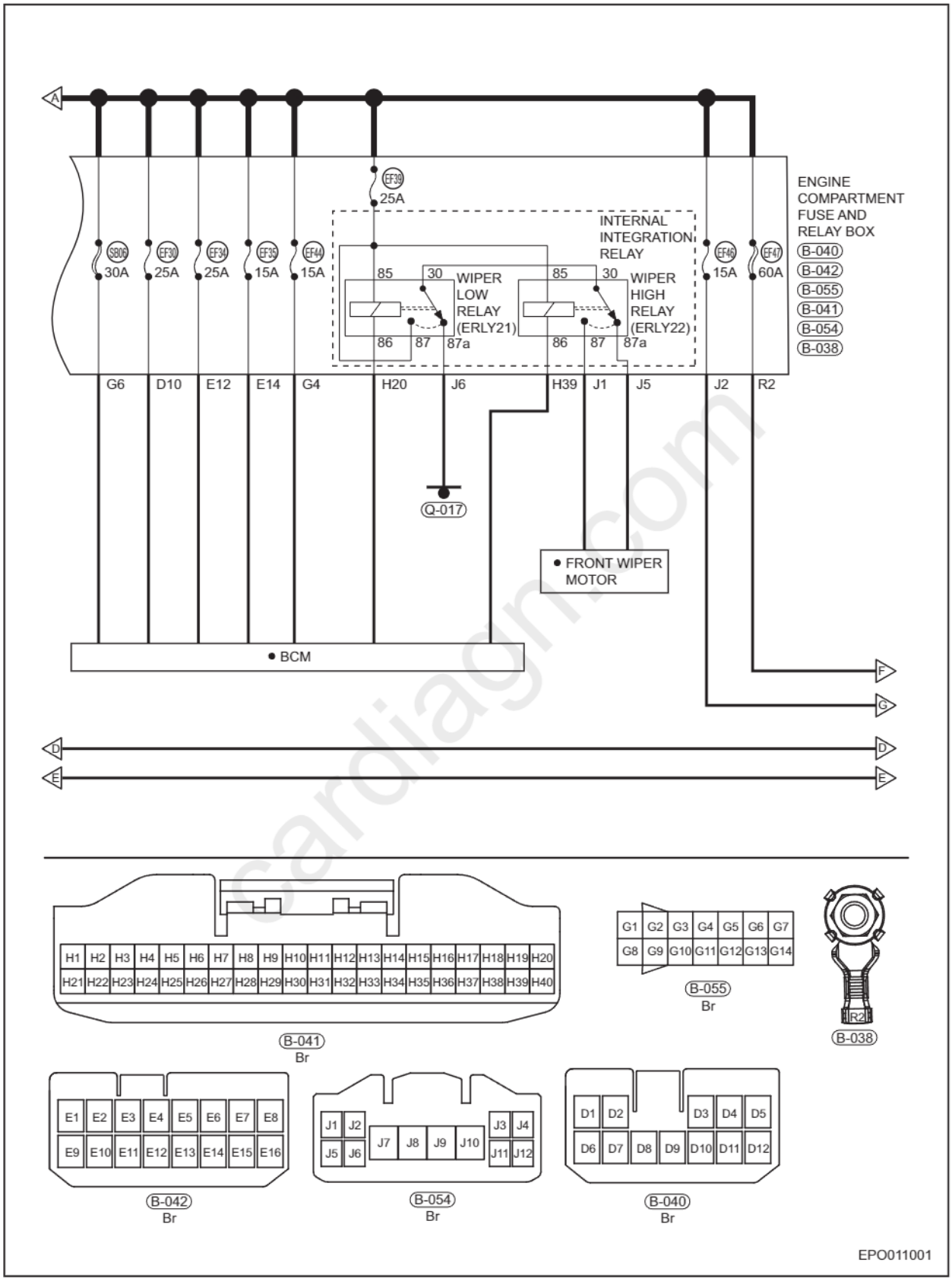
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Circuit Diagram (Page 10 of 14)



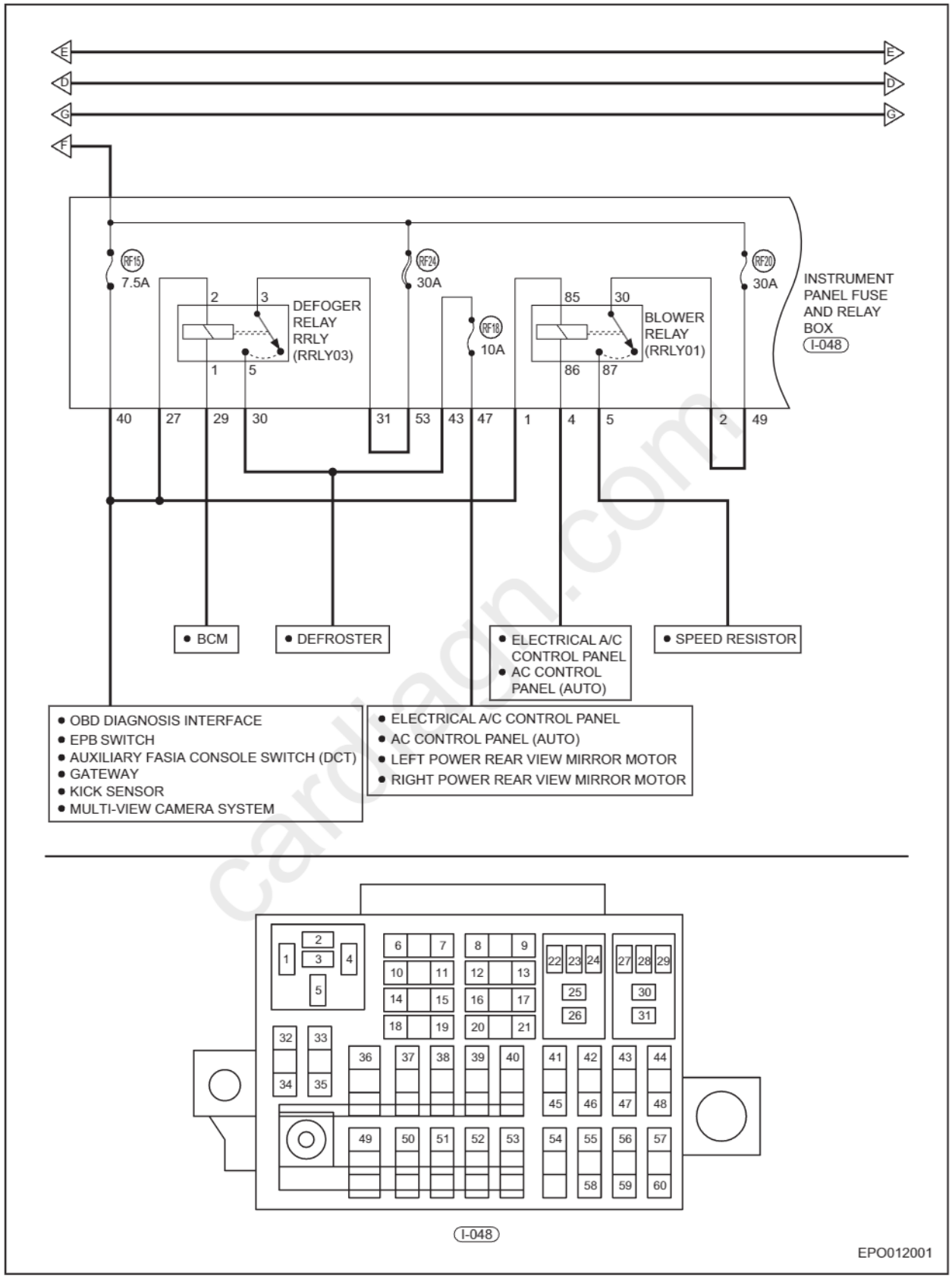
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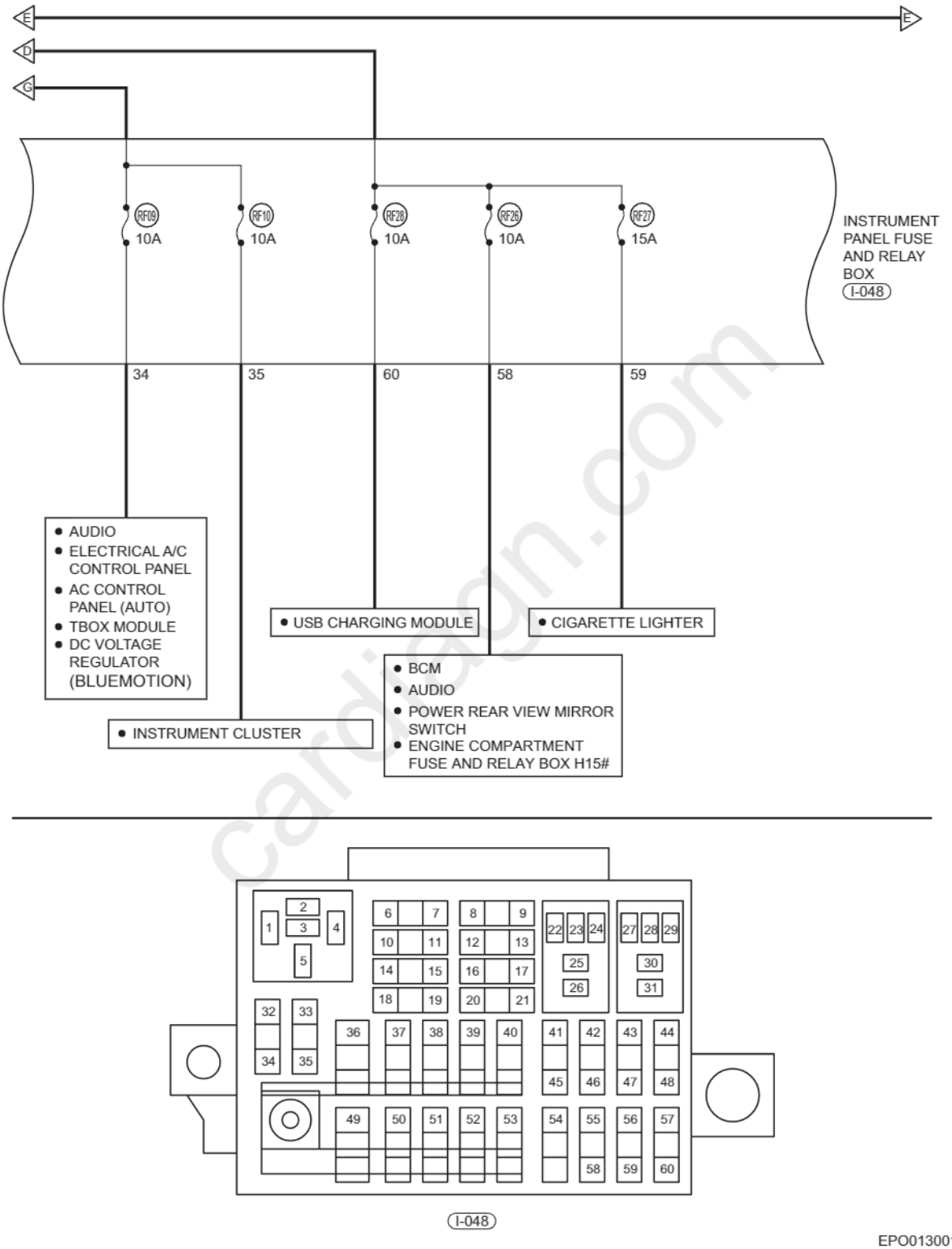
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Circuit Diagram (Page 12 of 14)



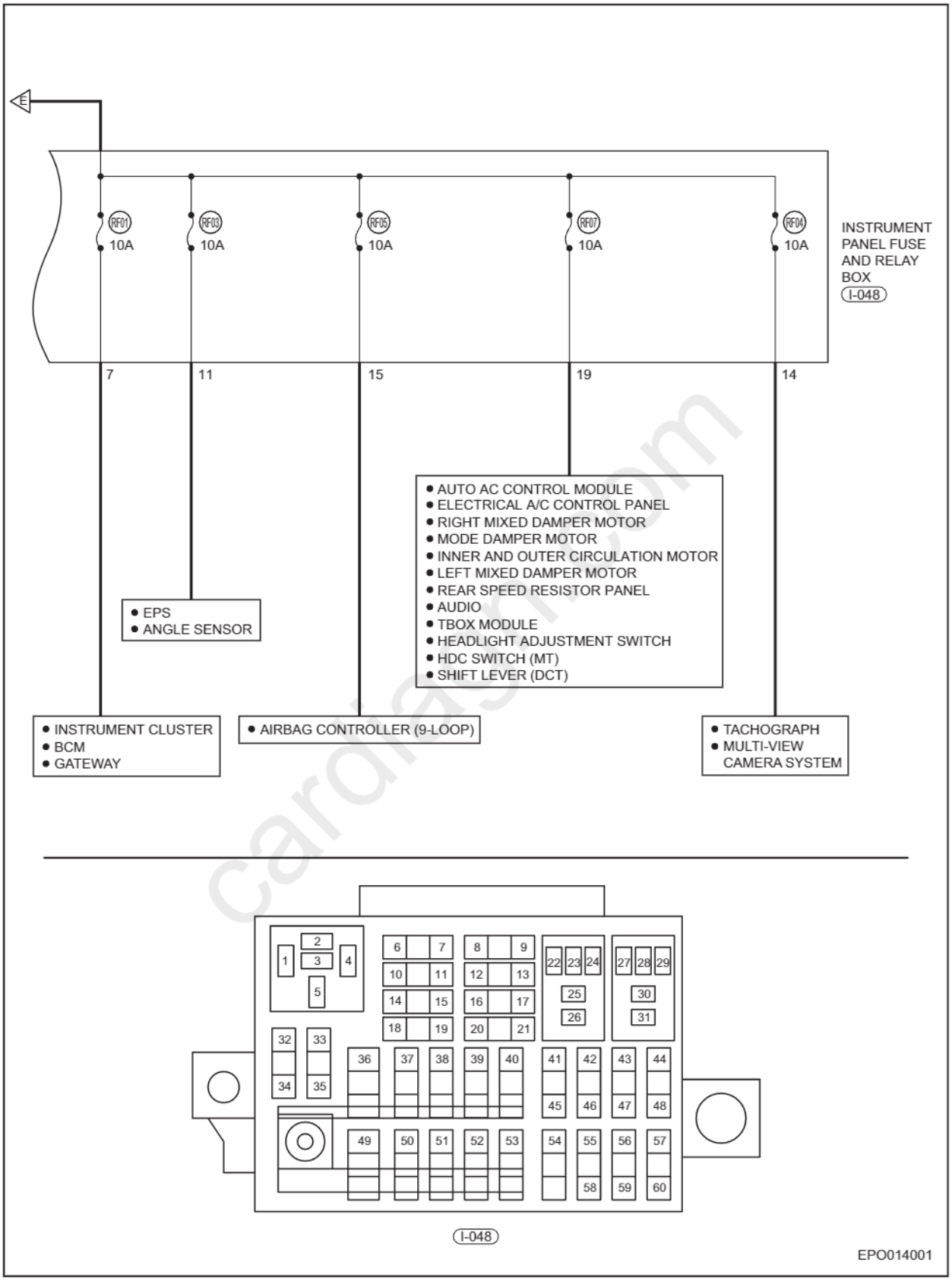
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Circuit Diagram (Page 14 of 14)



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VEHICLE GROUND DISTRIBUTION

GENERAL INFORMATION

Description

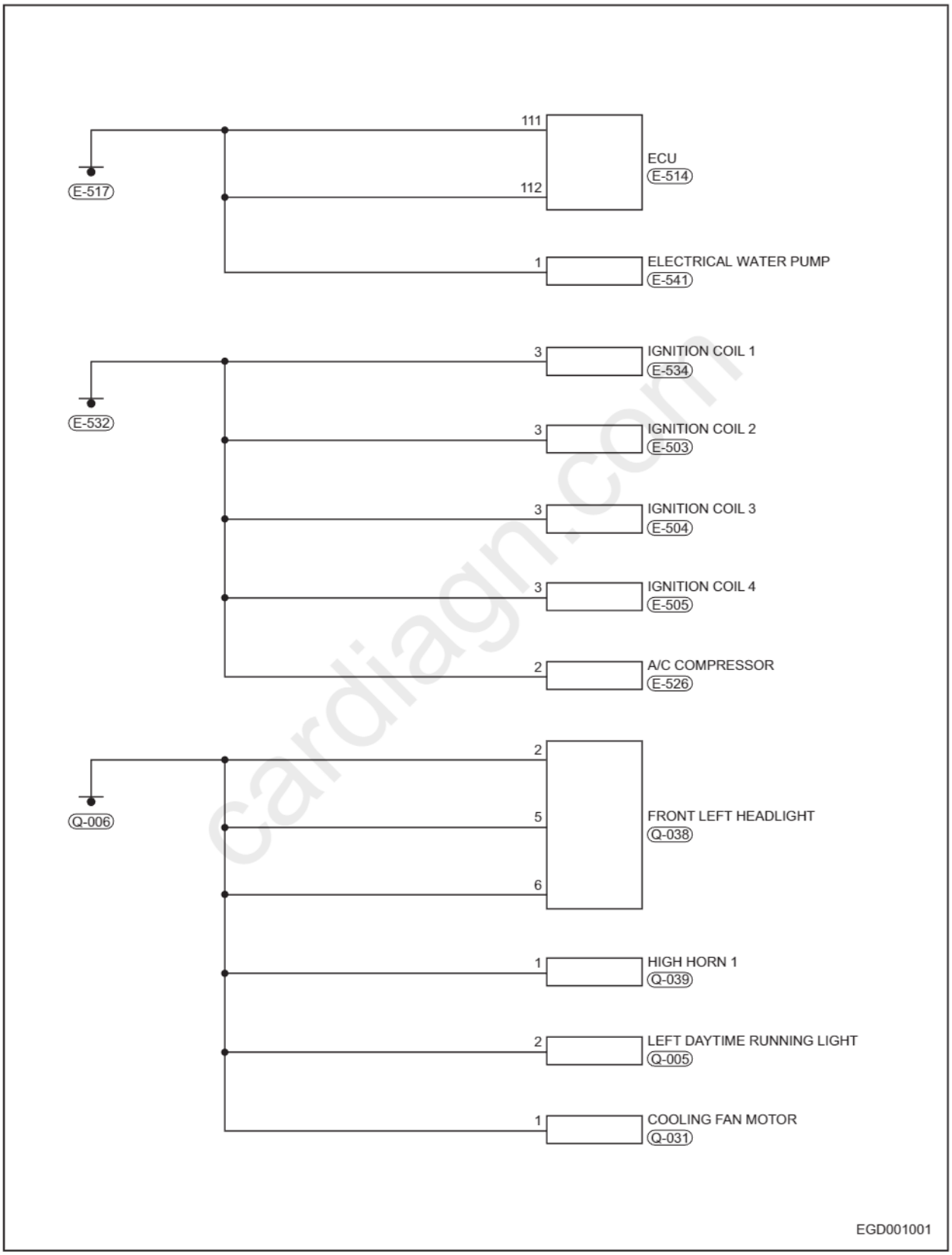
Ground distribution system provides centralized and convenient information about ground positions for electrical equipment on entire vehicle. Technicians can find relevant electrical equipment quickly through ground points to solve problem accurately and efficiently.

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Circuit Diagram

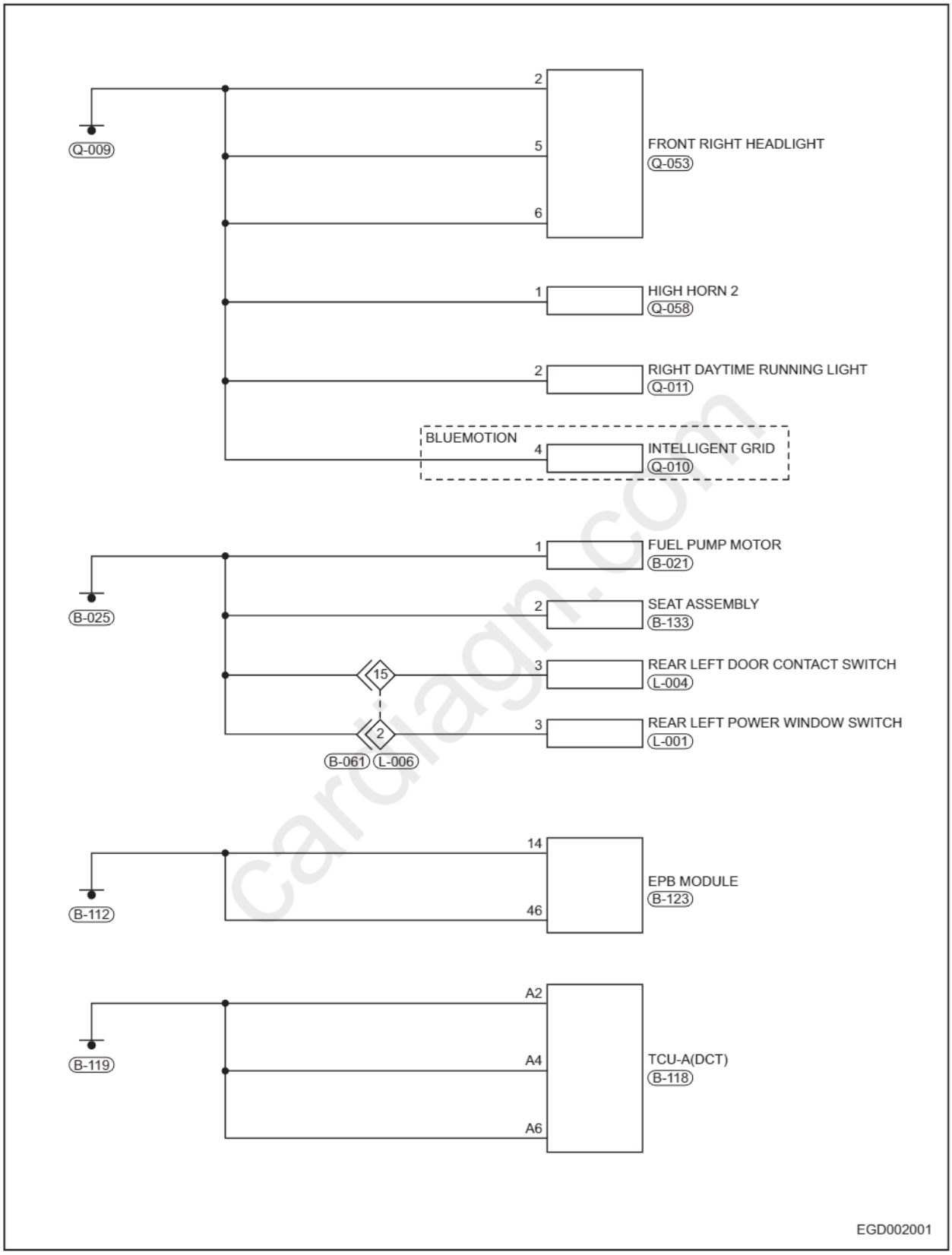
Ground Distribution

Circuit Diagram (Page 1 of 8)



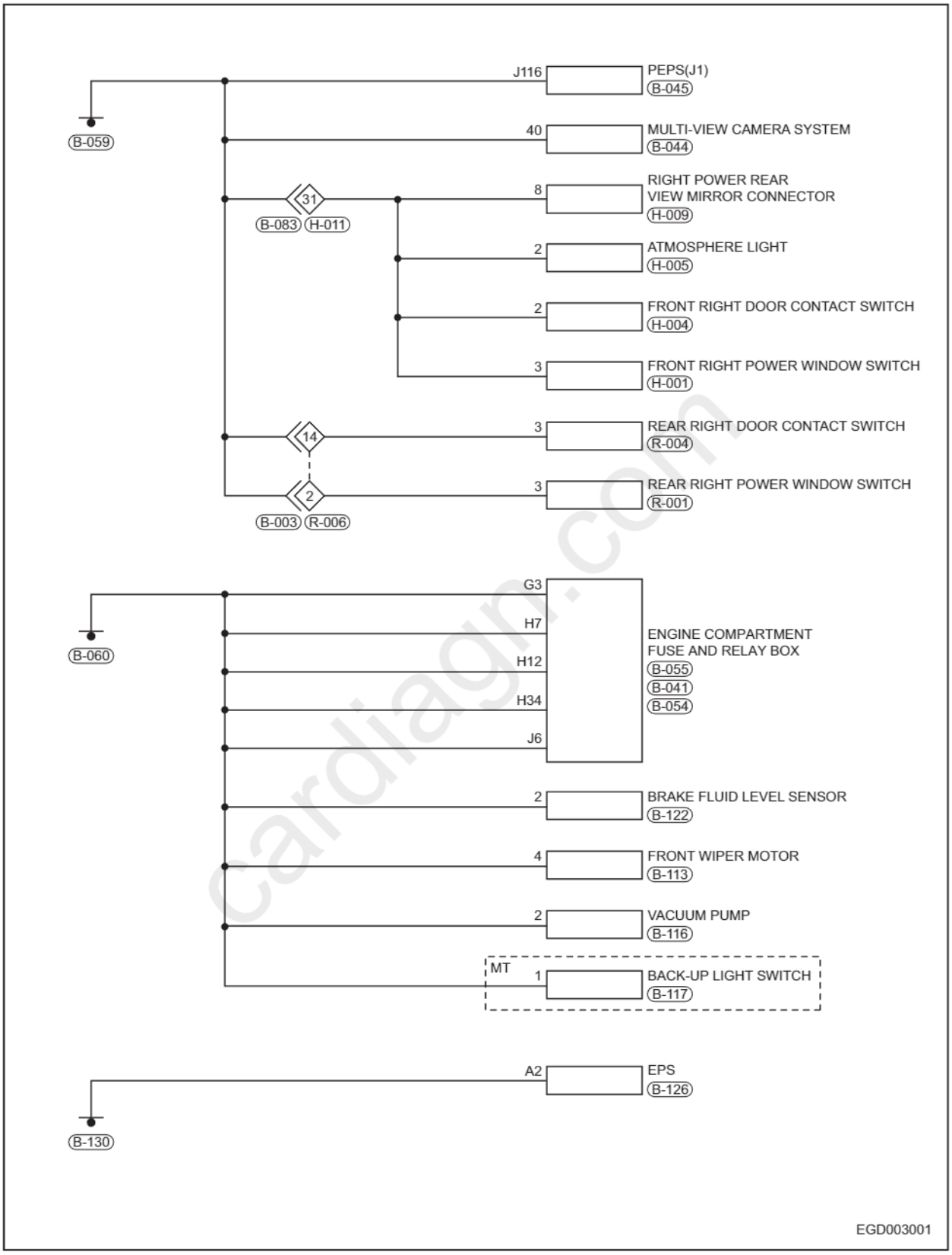
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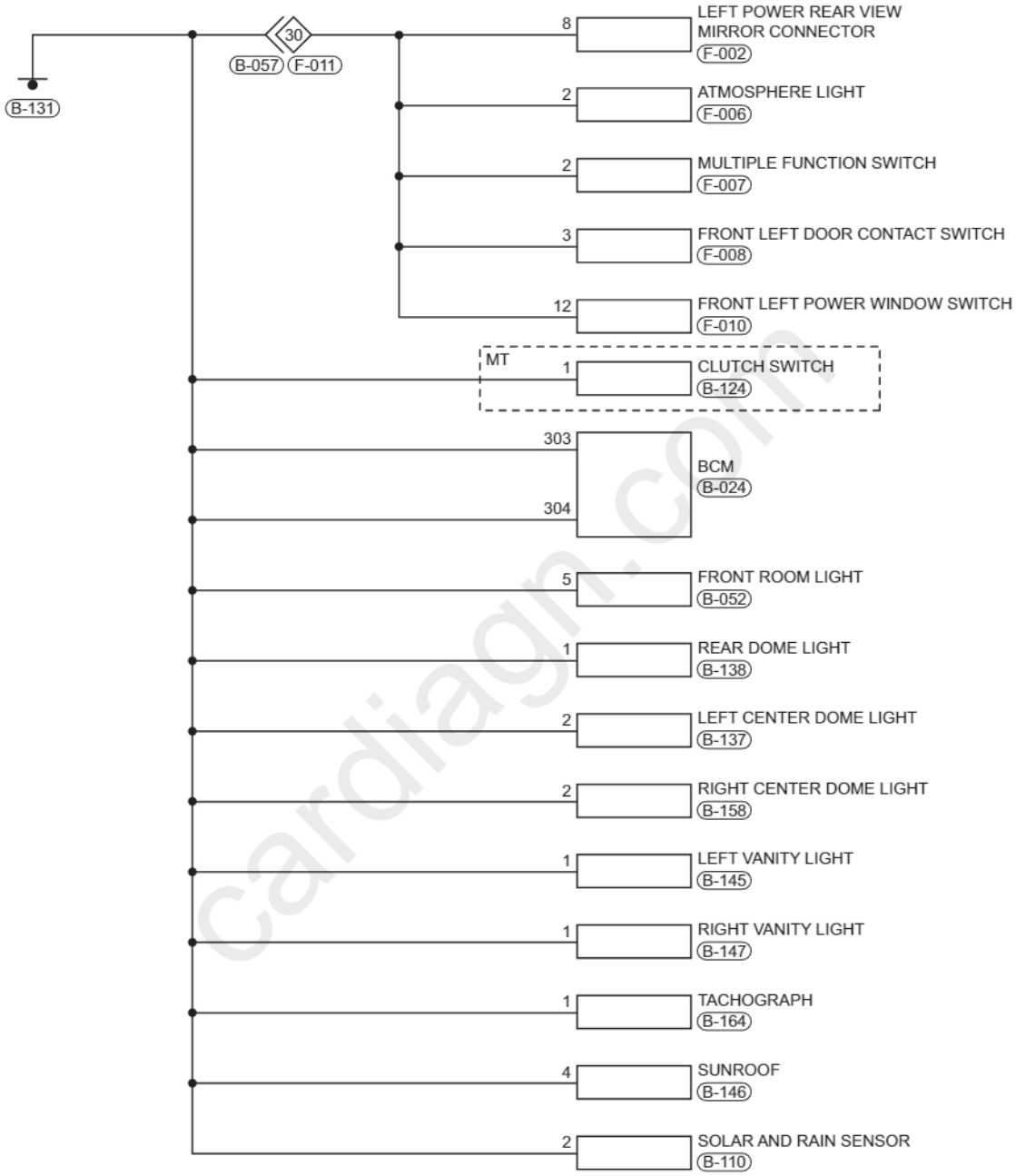
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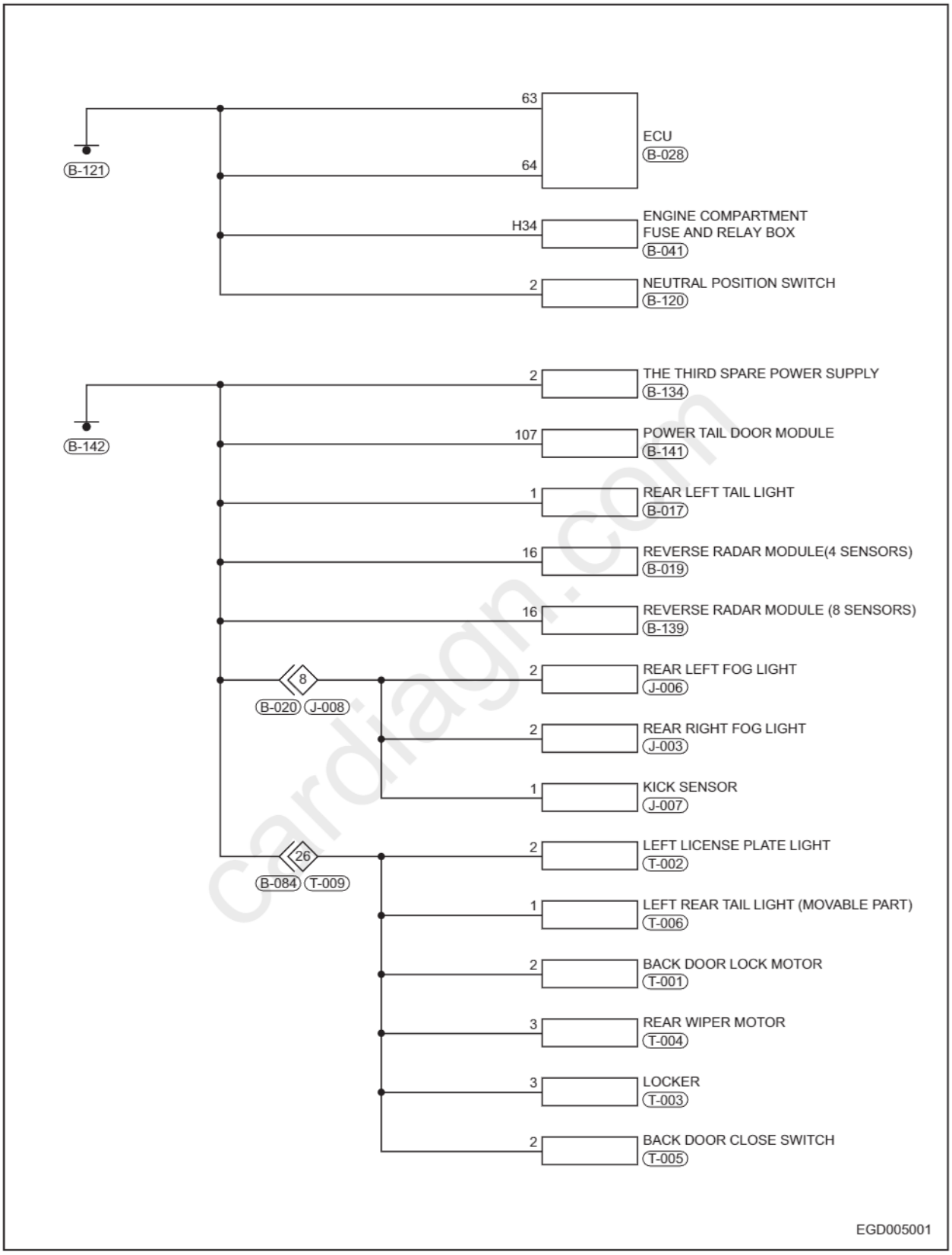
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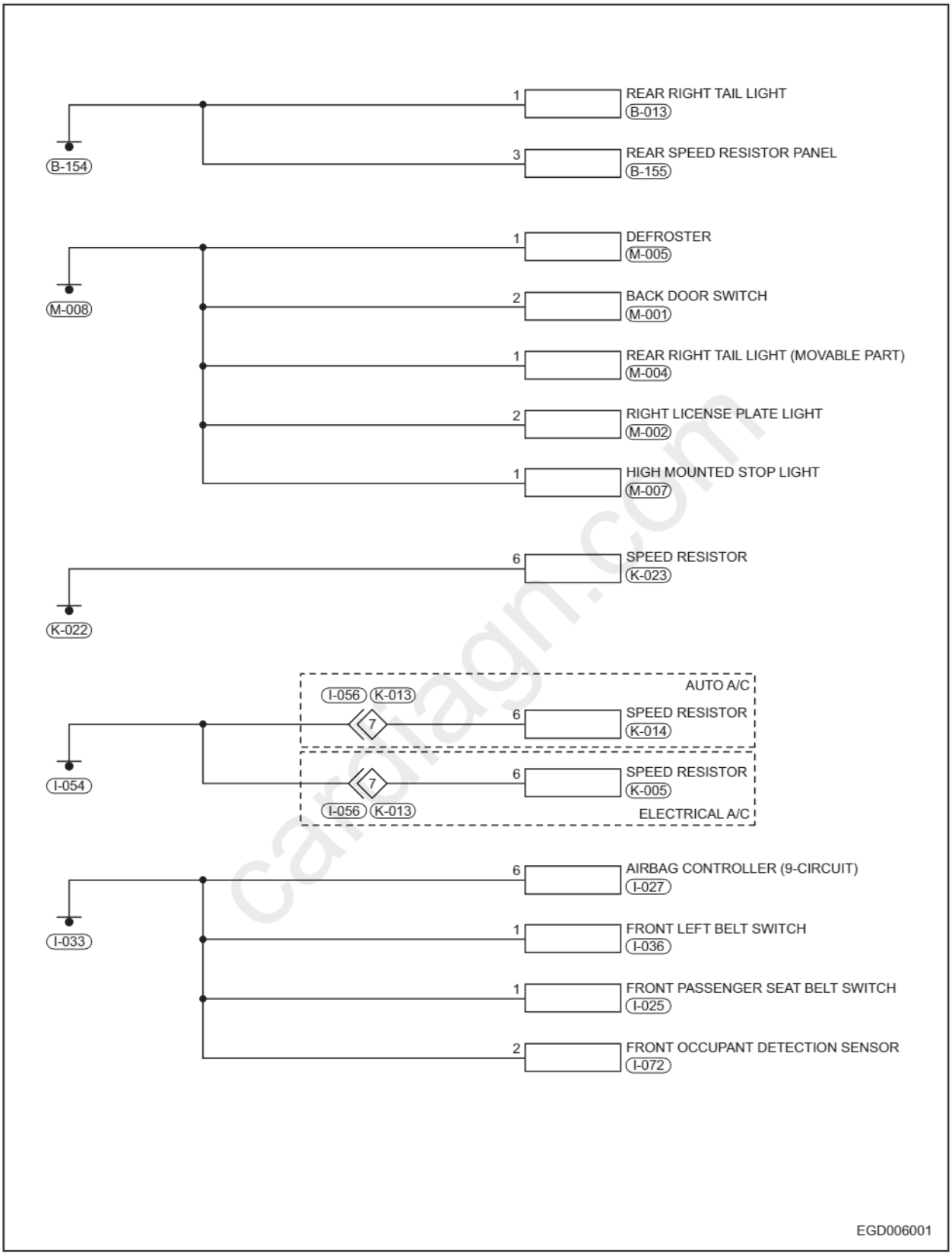
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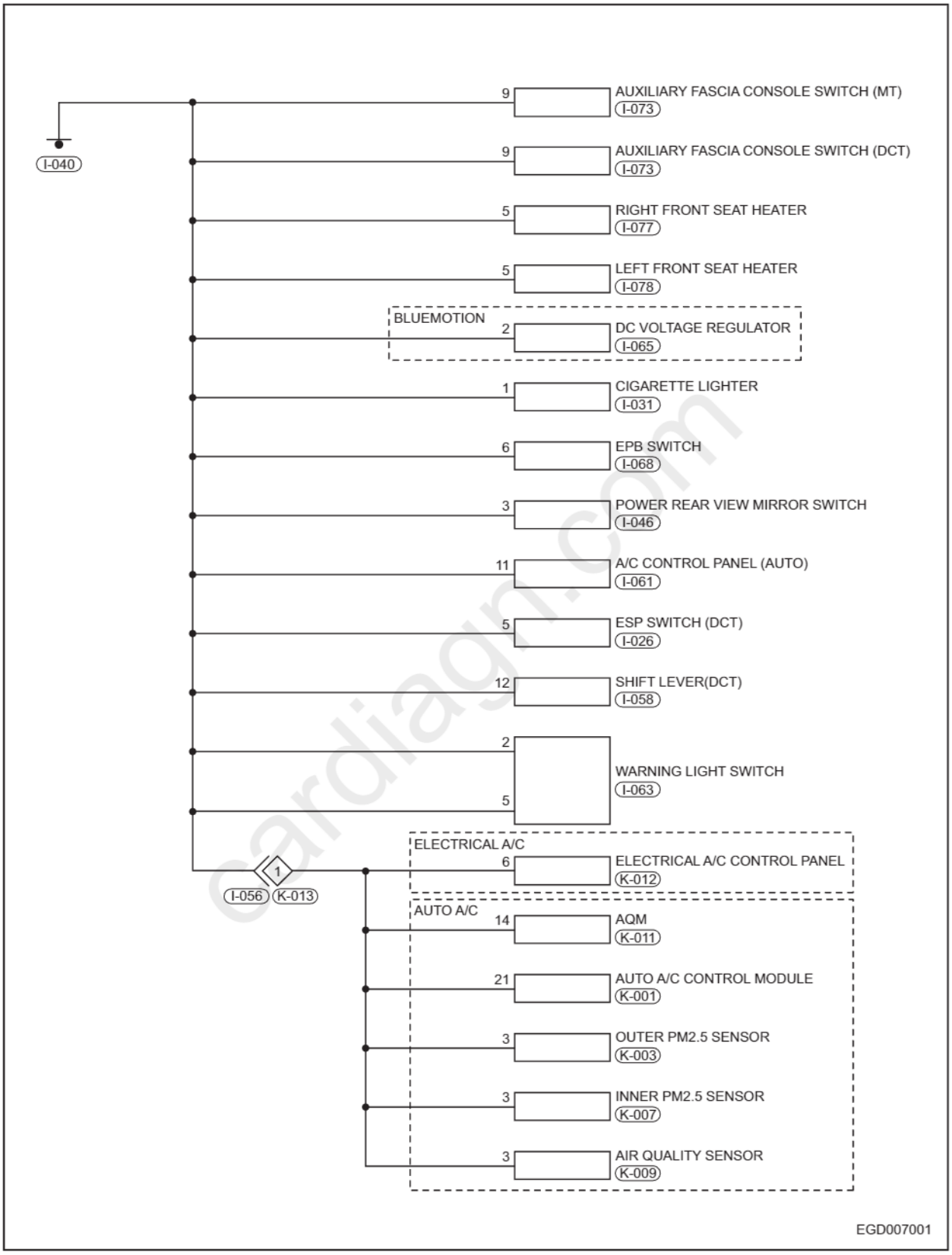
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Circuit Diagram (Page 6 of 8)



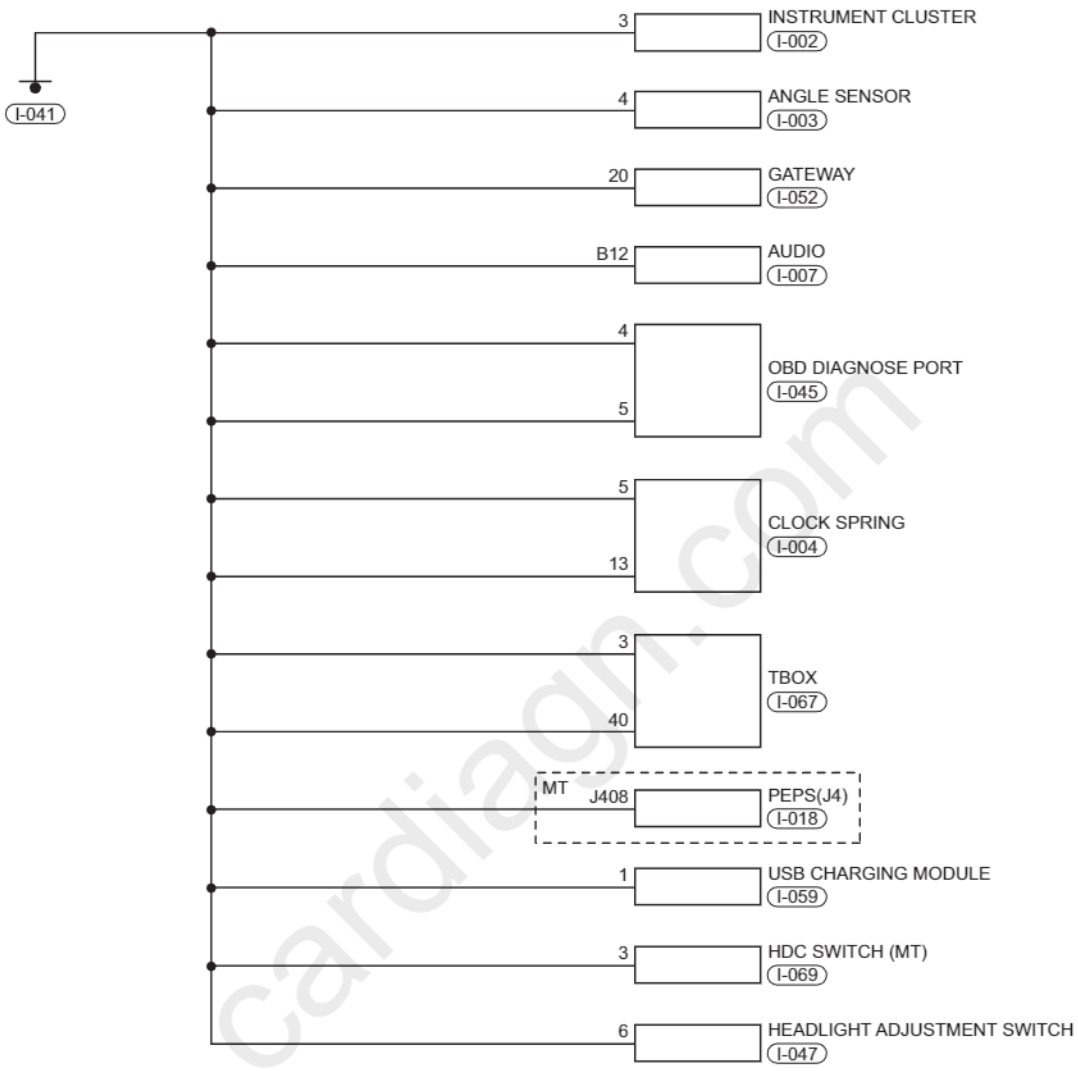
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Circuit Diagram (Page 8 of 8)



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VEHICLE FUSE & RELAY

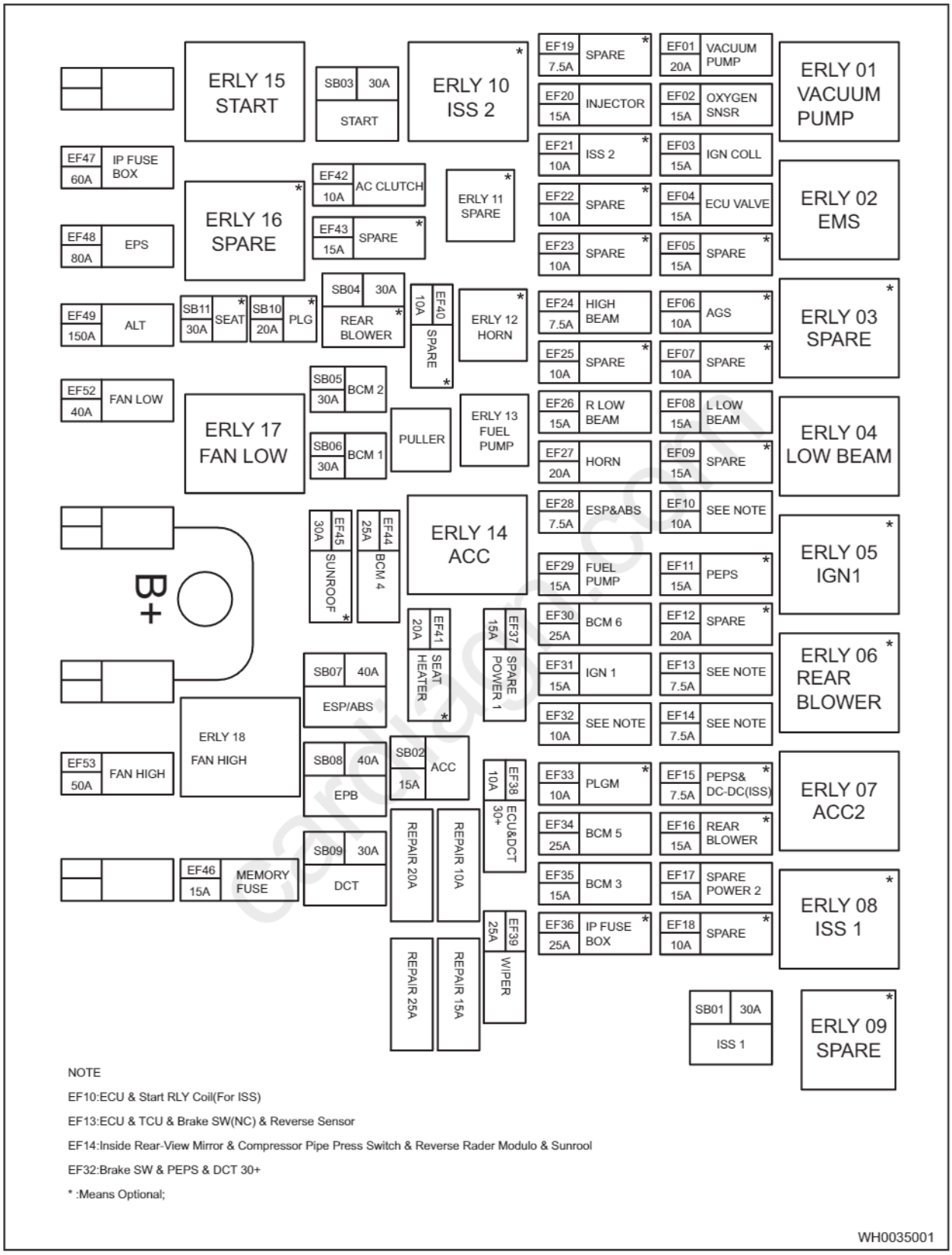
GENERAL INFORMATION

Description

Each system should be equipped with fuses and relays to ensure normal operation of vehicle electrical system. Fuses and relays are integrated into fuse and relay boxes which are installed in the following specific positions of vehicle:
Engine compartment fuse and relay box: located at left side of engine compartment and behind front left combination light.
Instrument panel fuse and relay box: located at lower left side of instrument panel.

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Engine Compartment Fuse and Relay Box



NOTE

EF10:ECU & Start RLY Coil(For ISS)

EF13:ECU & TCU & Brake SW(NC) & Reverse Sensor

EF14:Inside Rear-View Mirror & Compressor Pipe Press Switch & Reverse Rader Modulo & Sunrool

EF32:Brake SW & PEPS & DCT 30+

* :Means Optional;

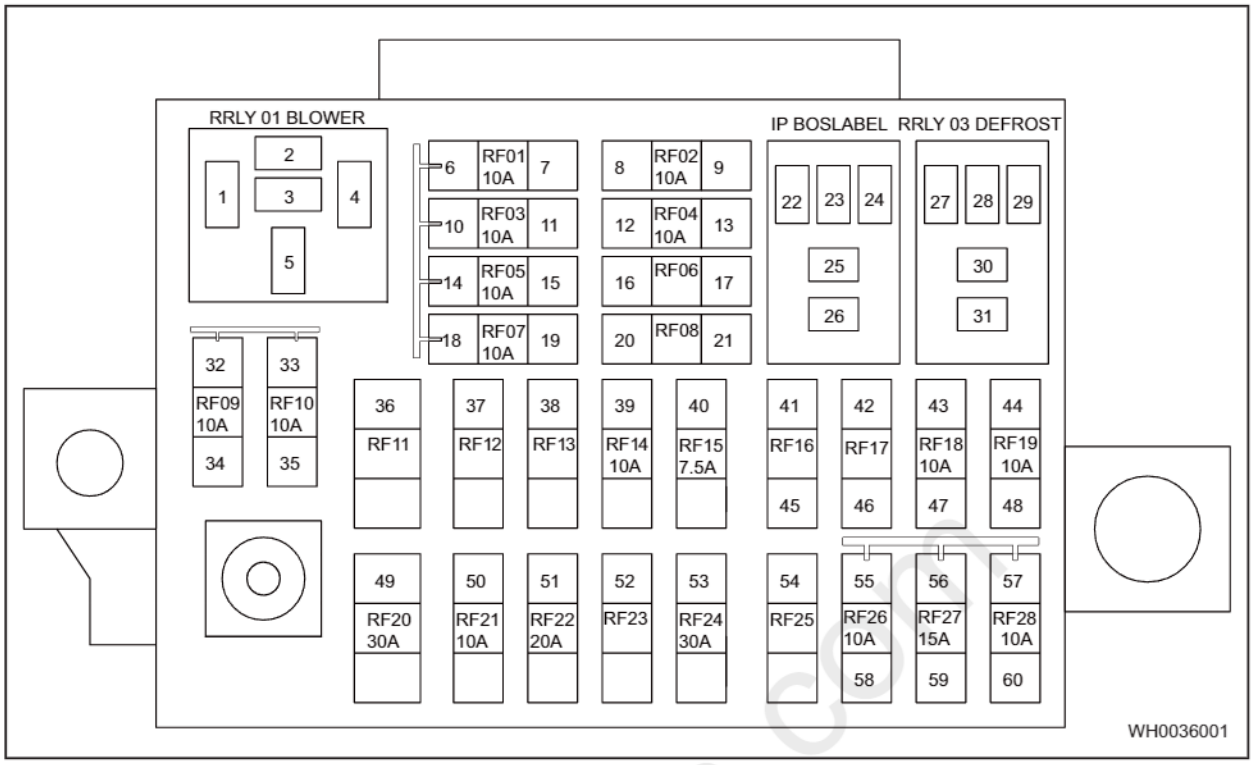
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No.	Description	No.	Description
SB01	ISS 1	EF21	ISS 2
SB02	ACC	EF22	-
SB03	Start control	EF23	-
SB04	Rear Blower	EF24	ERLY 20 High beam RLY
SB05	BCM 2	EF25	-
SB06	BCM 1	EF26	R Low beam power
SB07	ABS/EPS	EF27	ERLY12 horn RLY
SB08	ESP (EPB)	EF28	ESP (EPB)
SB09	DCT	EF29	ERLY13 fuel pump RLY
SB10	PLG	EF30	BCM
SB11	Seat adjustment SEAT*	EF31	IGN (a) & IGN (b)
EF01	ERLY 01 vacuum pump RLY	EF32	PEPS & brake SW
EF02	Ambda sensor heating upstream & lambda sensor heating downstream	EF33	PLG
EF03	Ignition coil	EF34	BCM
EF04	ECU solenoid valve	EF35	BCM
EF05	-	EF36	-
EF06	AGS	EF37	Spare Power
EF07	-	EF38	ECU & DCT
EF08	L Low beam power	EF39	Wiper RLY
EF09	-	EF40	-
EF10	ERLY 02 ECU RLY	EF41	Seat Heater
EF11	PEPS	EF42	ERLY 19 AC clutch RLY
EF12	-	EF43	-
EF13	ECU & DCT & brake SW	EF44	BCM
EF14	AC & Sunroof & Reverse Radar Module	EF45	Sunroof
EF15	PEPS & DC-DC (ISS)	EF46	30IP (b) & DC-DC (ISS)
EF16	Rear Blower	EF47	IP Fuse Box power
EF17	-	EF48	EPS power
EF18	-	EF49	ALT power
EF19	-	EF52	ERLY 17 Low Fan RLY
EF20	Injector Cyl1.2.3.4	EF53	ERLY 18 High Fan RLY

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Instrument Panel Fuse and Relay Box



No.	Description	No.	Description
RF01	BCM & Instrument Cluster & Gateway	RF15	Defrost Relay & EPB & Panoramic Image Module & OBD Diagnostic Interface & Subinstrumentation Switch & Kick Wire Sensor
RF02	-	RF16	-
RF03	EPS & Angle Sensor	RF17	-
RF04	Multi-View Camera System	RF18	A/C Control Panel & Defrost Work Feedback
RF05	Airbag Module	RF19	-
RF06	-	RF20	Rrly01 Blower RLY
RF07	A/C Control Panel & Radio Contrl Module & Head Lamps Adjust Sw Power & TBOX & Shift Lever (DCT)	RF21	-
RF08	-	RF22	-
RF09	A/C Control Panel & Radio Contrl Module & TBOX & DCDC	RF23	-
RF10	Instrument Cluster	RF24	Rrly03 Defrost RLY
RF11	-	RF25	-
RF12	-	RF26	BCM & Radio & Power Rear View Mirror Switch
RF13	-	RF27	Cigarette Lighter
RF14	Tachograph	RF28	Spare Power

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VEHICLE WIRE HARNESS LAYOUT

GENERAL INFORMATION

Description

Wire harness layout introduces location information of vehicle wire harness and electrical components in the form of graphic.

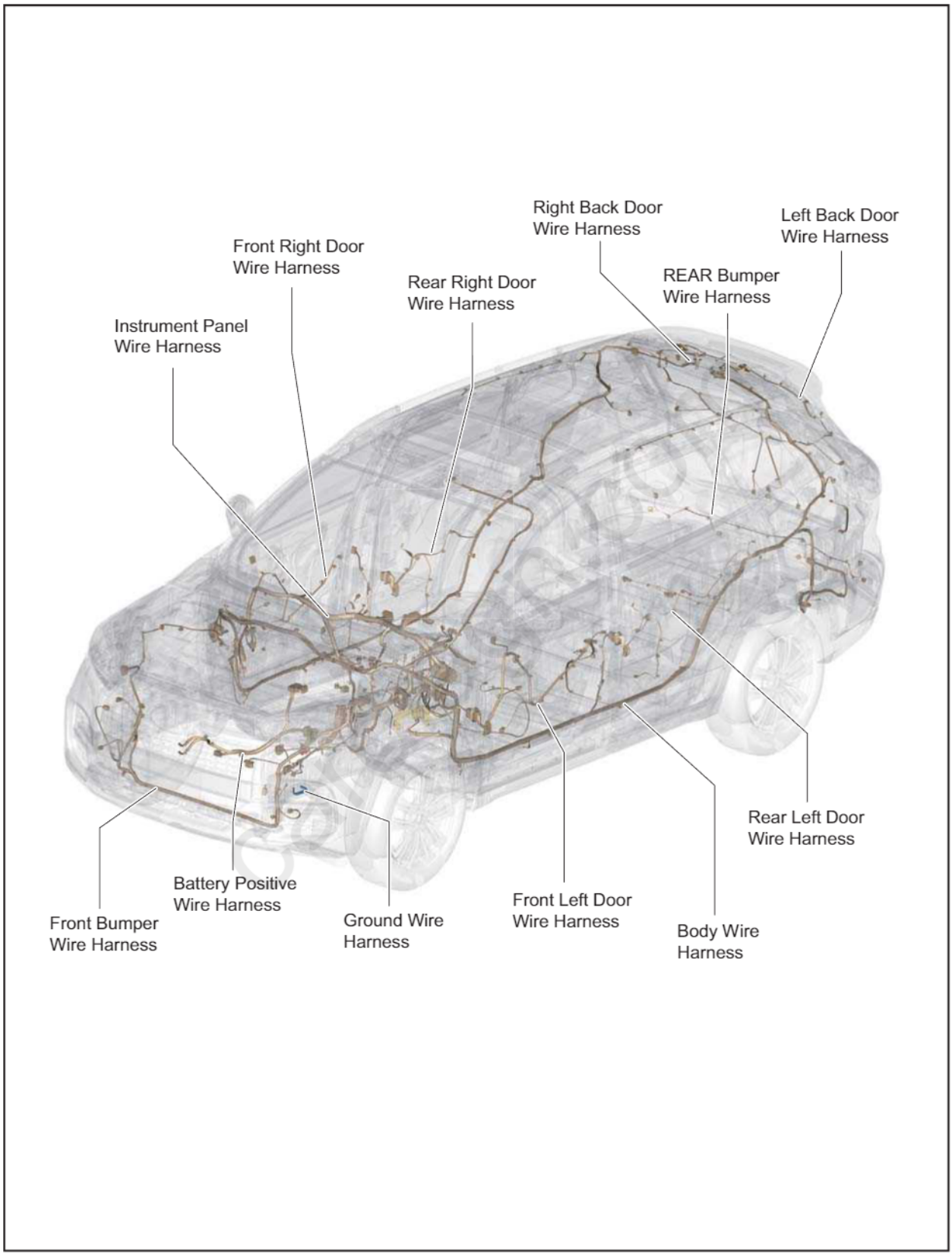
The entire vehicle wire harnesses are divided into following parts:

- Engine Wire Harness (For E4T15B Model).
- Front Bumper Wire Harness.
- Instrument Panel Wire Harness.
- Body Wire Harness.
- Rear Bumper Wire Harness.
- TCU Transmission Wiring Harness.
- Front Left Door Wire Harness.
- Front Right Door Wire Harness.
- Rear Left Door Wire Harness.
- Rear Right Door Wire Harness.
- Airbag Wire Harness.
- A/C System Wire Harness.
- Roof Wire Harness.
- Battery/Ground Wire Harness.

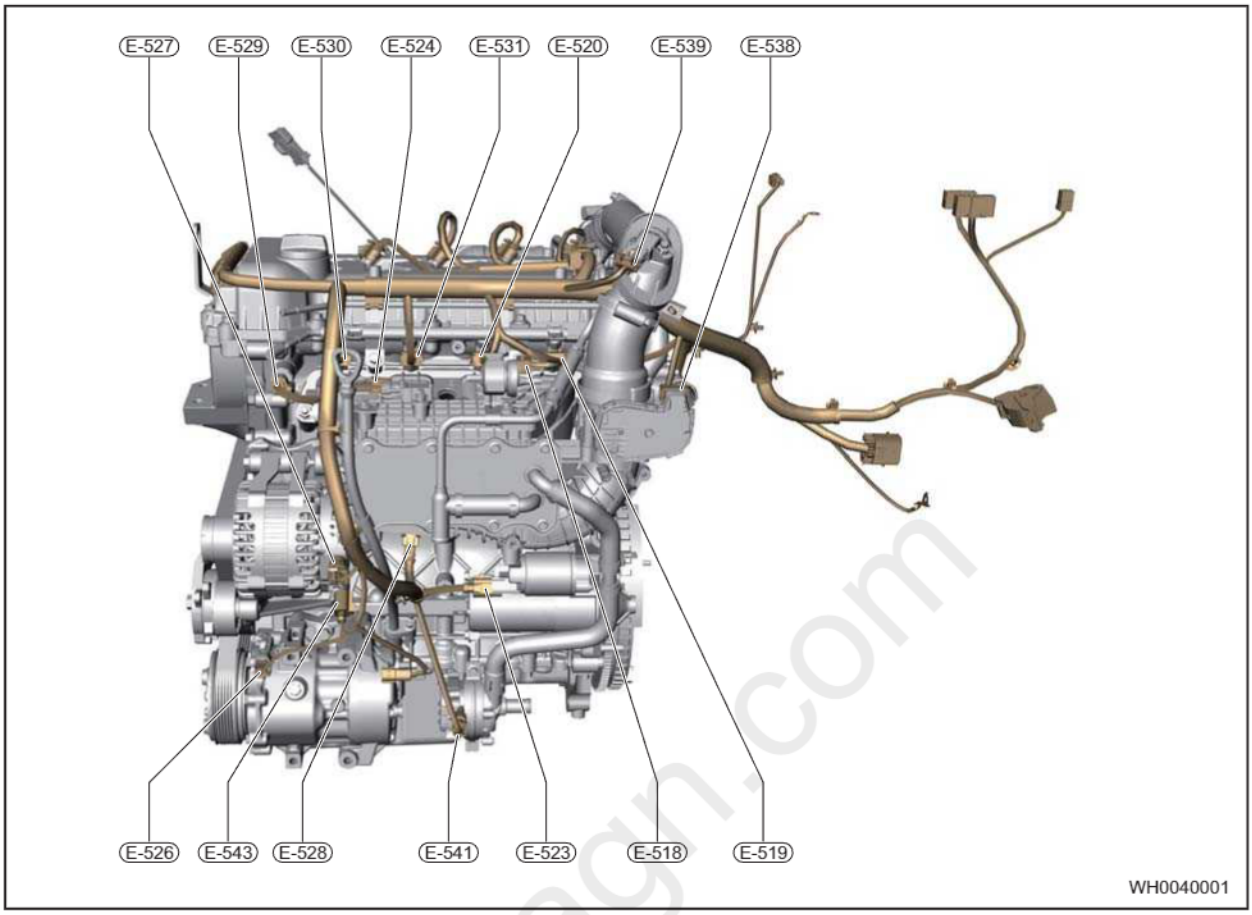
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Vehicle Wire Harness Layout

Entire Vehicle Wire Harness Layout

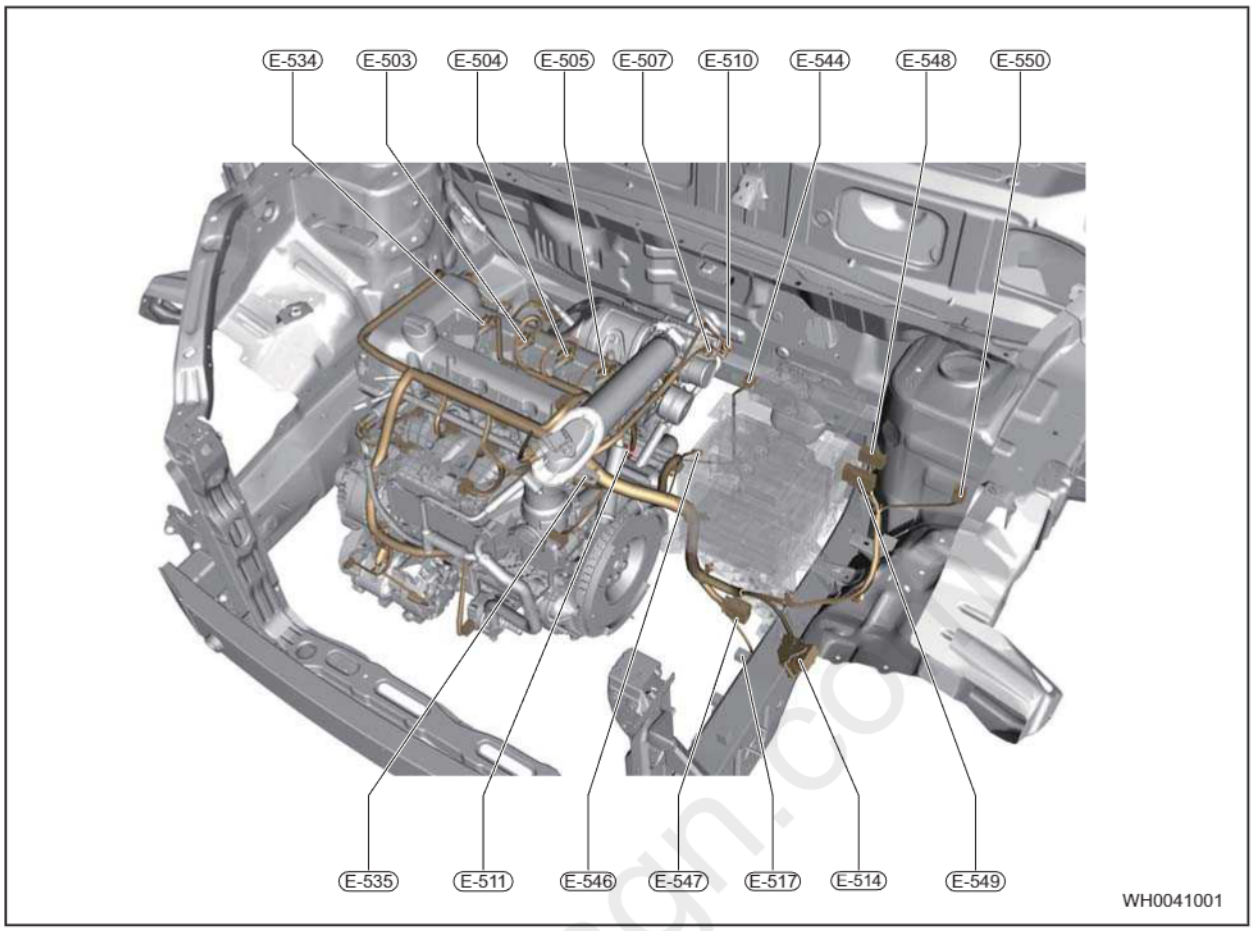


Engine Wire Harness (For E4T15B Model)



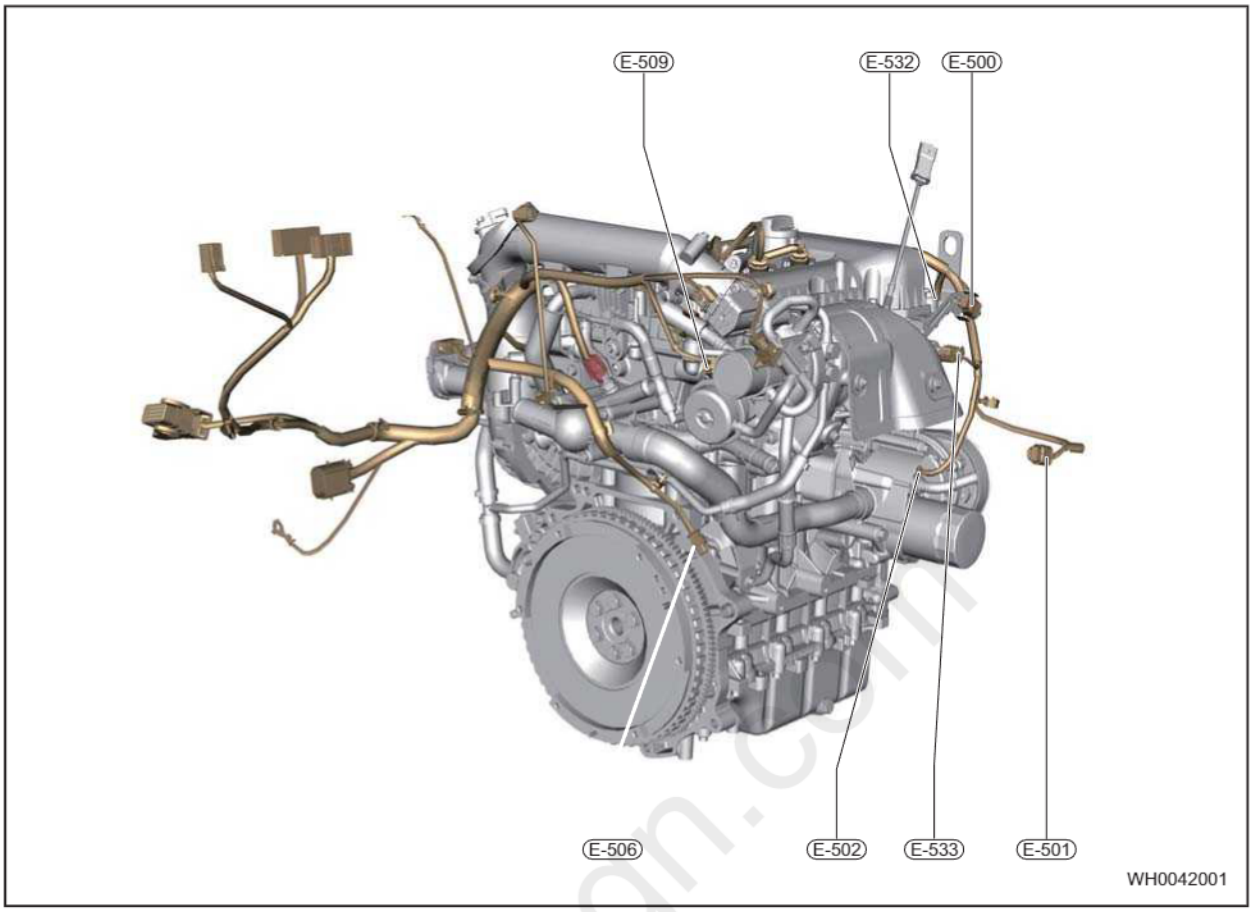
No.	Color/Terminal	Name
E-518	B/2	Canister Solenoid Valve
E-519	B/2	Injector 4
E-520	B/2	Injector 3
E-523	B/1	Starter Control
E-524	B/4	Intake Pressure/Temperature Sensor
E-526	B/2	A/C Compressor
E-527	B/3	Alternator
E-528	B/2	Knock Sensor
E-529	B/2	Variable Camshaft Timing (Intake)
E-530	B/2	Injector 1
E-531	B/2	Injector 2
E-538	B/6	Electronic Throttle
E-539	B/4	Boost Pressure Sensor
E-541	B/4	Electrical Water Pump
E-543	B/2	Intelligent Alternator

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No.	Color/Terminal	Name
E-503	B/3	Ignition Coil 2
E-504	B/3	Ignition Coil 3
E-505	B/3	Ignition Coil 4
E-507	B/2	ERCV Relief Valve
E-510	B/2	Exhaust Gas Control Valve
E-511	B/2	Coolant Temperature Sensor
E-514	B/48	ECU-A
E-517	-	Ground G402
E-534	B/3	Ignition Coil 1
E-535	B/3	Camshaft Position Sensor (Intake)
E-544	B/2	Battery Sensor
E-546	-	Ground G403
E-547	B/20	to Body Wire Harness B-027
E-548	Br/18	Engine Compartment Fuse and Relay Box-A
E-549	Br/16	Engine Compartment Fuse and Relay Box-B
E-550	Br/2	Engine Compartment Fuse and Relay Box-F

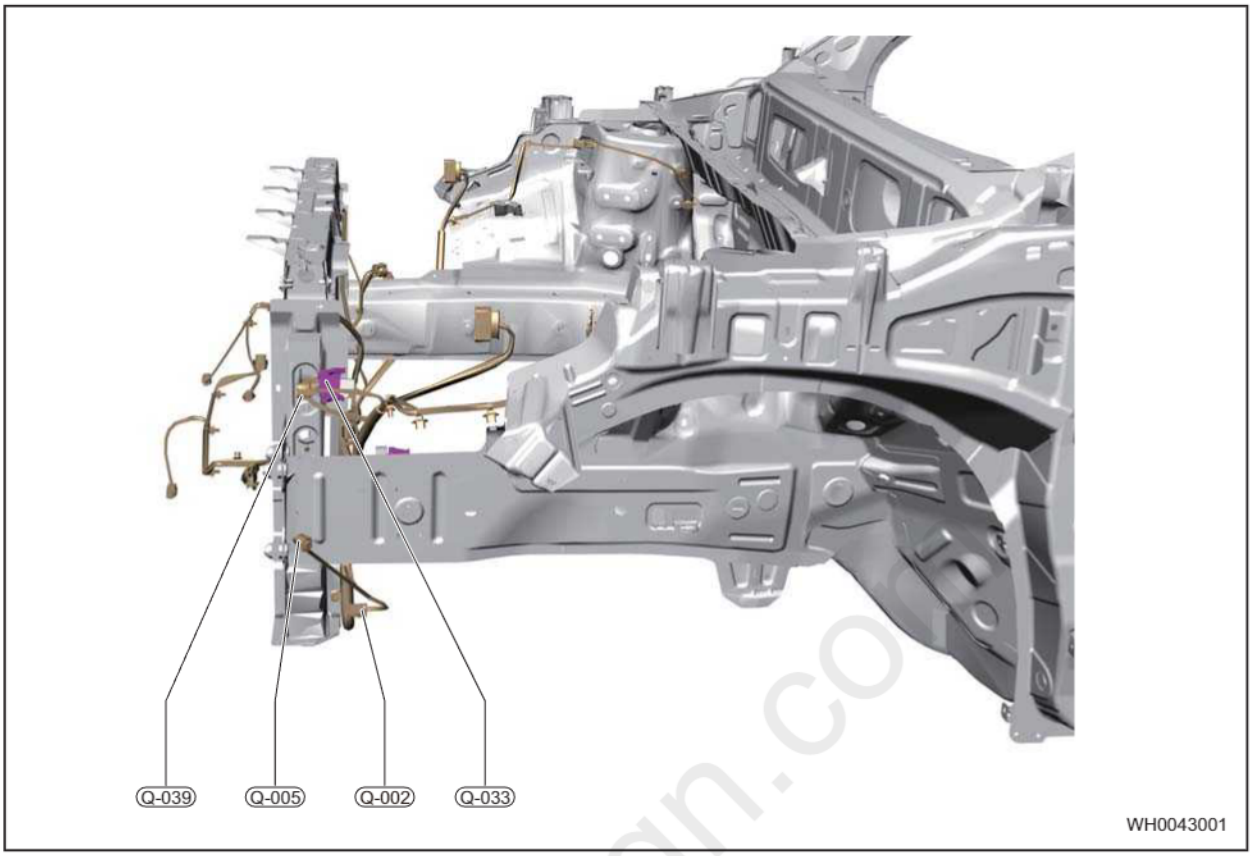
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No.	Color/Terminal	Name
E-500	B/4	Upstream Oxygen Sensor
E-501	B/4	Downstream Oxygen Sensor
E-502	B/1	Oil Pressure Switch
E-506	B/3	Engine Speed Sensor
E-509	B/3	Camshaft Position Sensor (Exhaust)
E-532	-	Ground G401
E-533	B/2	Variable Camshaft Timing (Exhaust)

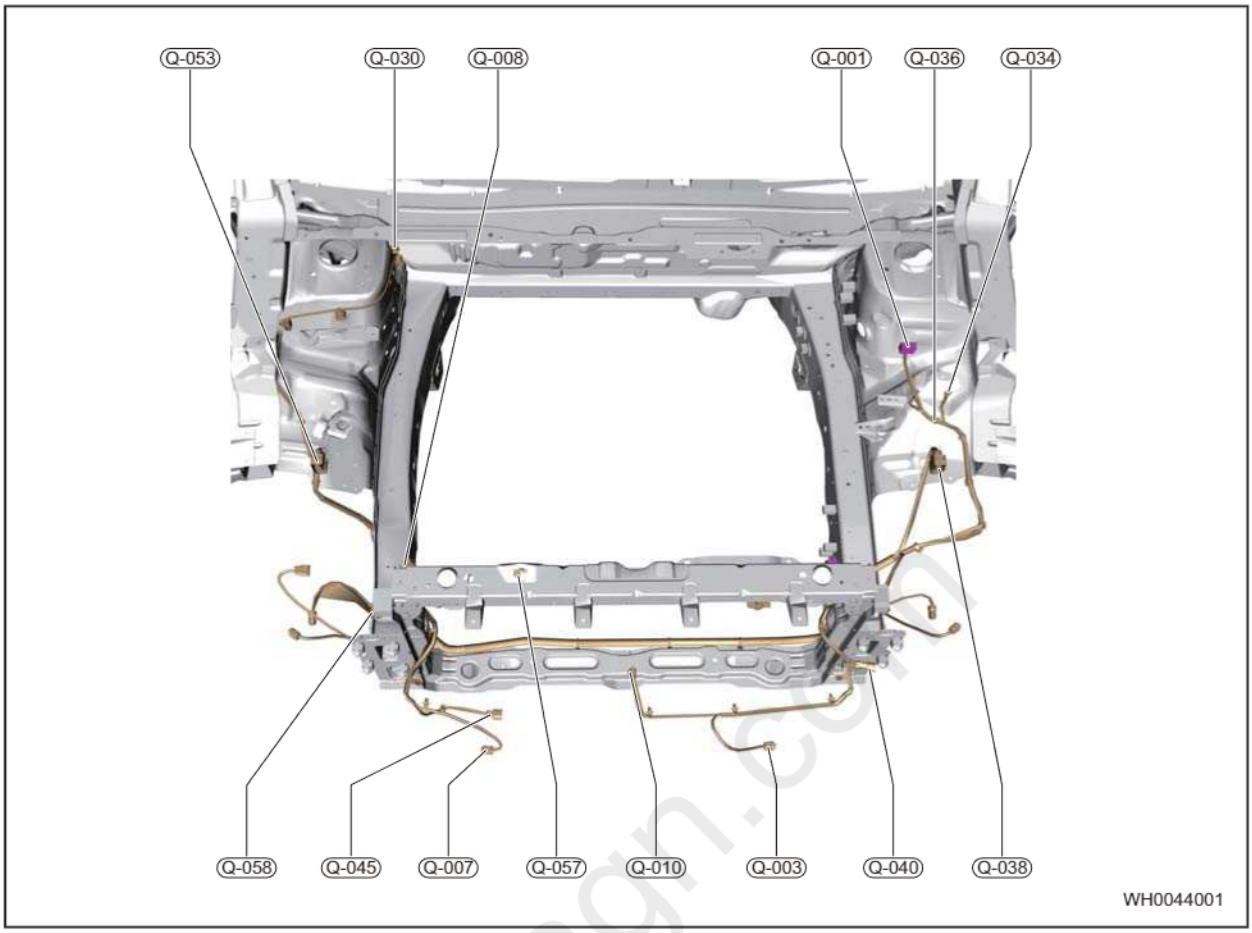
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Front Bumper Wire Harness



No.	Color/Terminal	Name
Q-002	Br/3	Left Front Center Radar Camera
Q-005	Br/4	Left Daytime Running Light
Q-033	B/20	to Body Wire Harness Connector B-074
Q-039	Gr/2	High Horn 1

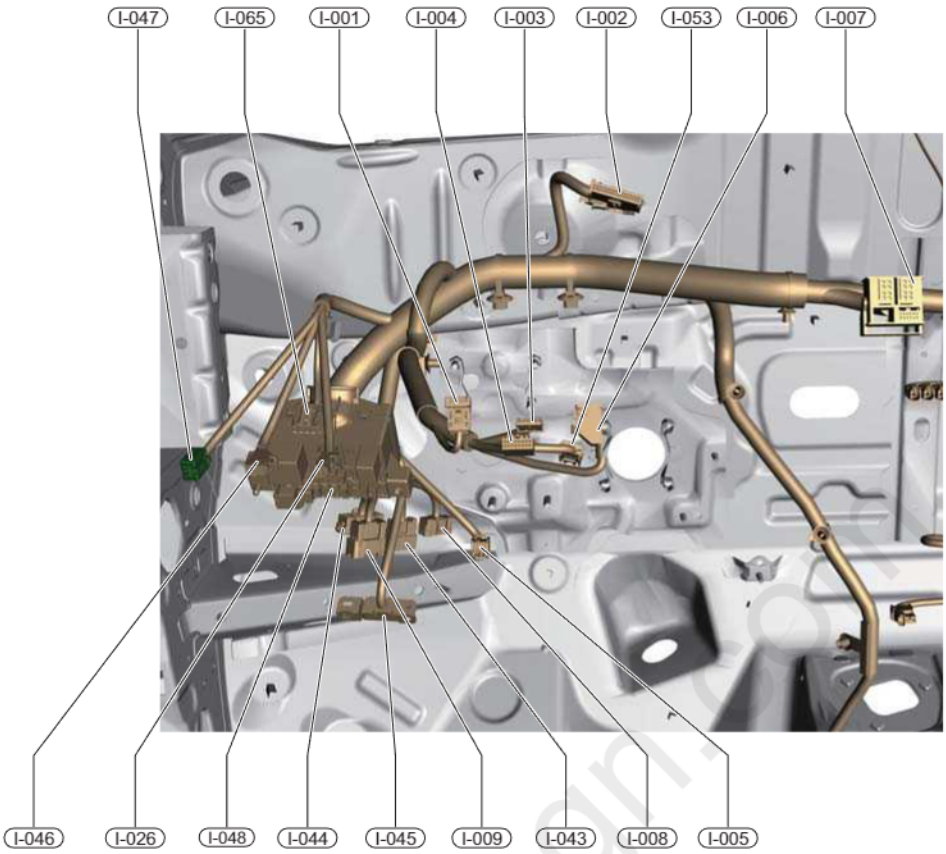
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No.	Color/Terminal	Name
Q-001	Br/14	Engine Compartment Fuse and Relay Box-C
Q-003	Br/3	Left Front Radar Camera
Q-007	Br/3	Right Front Center Radar Camera
Q-008	Gr/4	AC Pressure Switch
Q-010	B/4	Intelligent Grid
Q-030	B/2	Front Right Wheel Speed Sensor
Q-034	-	High-speed Fan Power Supply
Q-036	-	Low-speed Fan Power Supply
Q-038	B/10	Front Left Headlight
Q-040	B/4	Front Camera
Q-045	Gr/2	Outside Atmo Sphere Temperature Sensor
Q-053	B/10	Front Right Headlight
Q-057	B/3	Front cabin contact switch
Q-058	Gr/2	High Horn 2

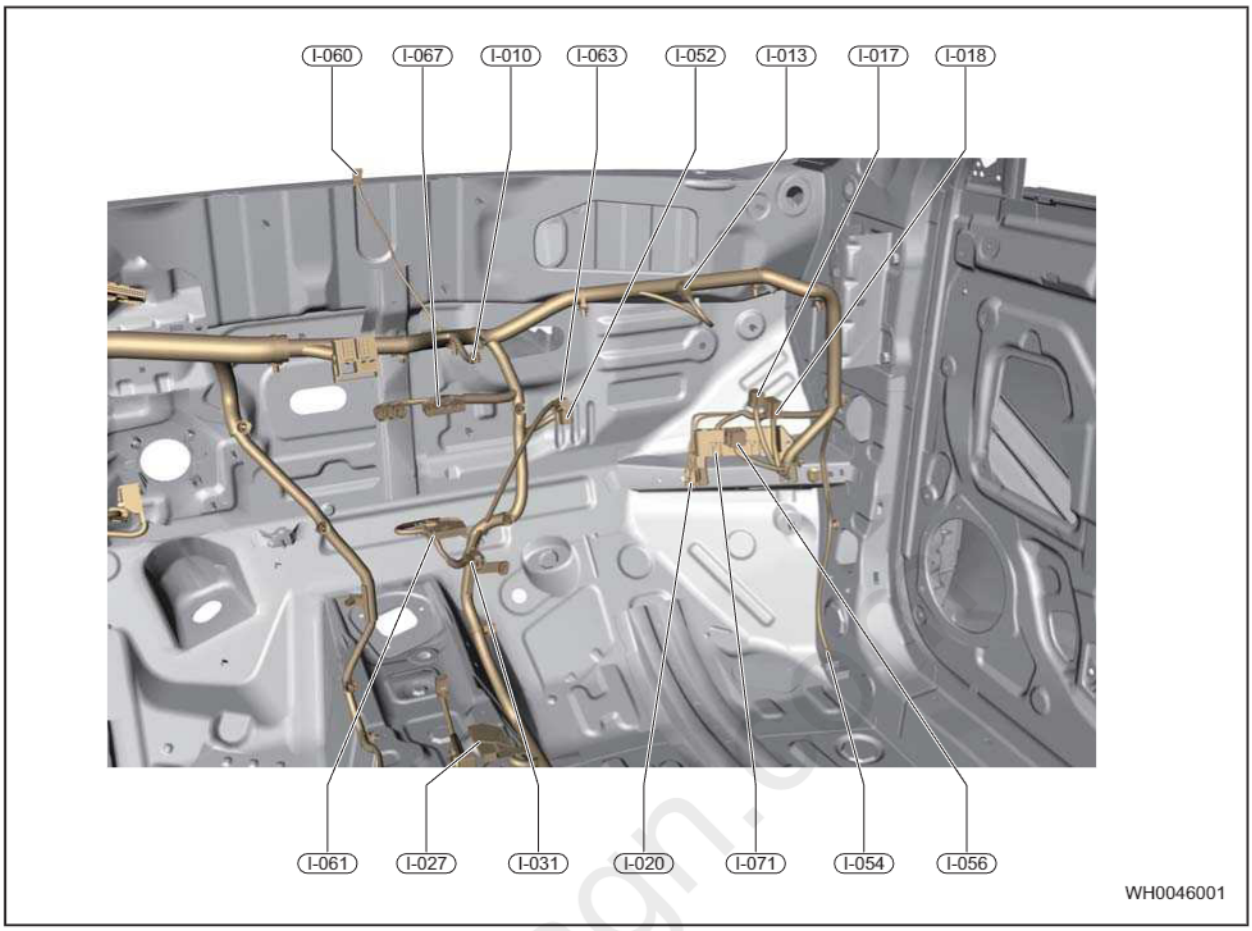
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Instrument Panel Wire Harness



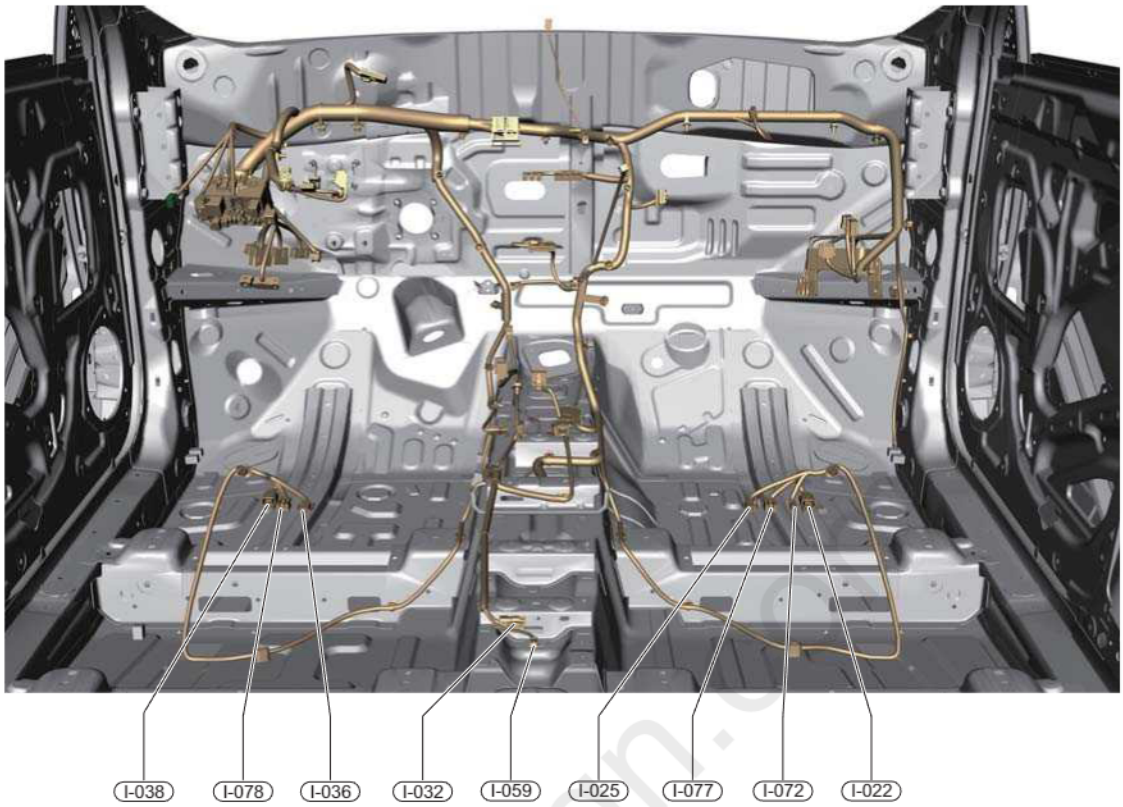
No.	Color/Terminal	Name
I-001	B/10	Lighting Combination Switch
I-002	L/32	Instrument Cluster
I-003	B/6	Angle Sensor
I-004	W/16	Spiral Cable
I-005	B/10	Electronic Assist Steering EPS-B
I-006	B/10	Wiper Combination Switch
I-007	B/40	Audio
I-008	Br/16	Body Wire Harness Connector-3 B-129
I-009	Br/26	Body Wire Harness Connector-5 B-128
I-026	Br/8	Forward Radar Switch / Rear View Mirror Folding Switch / Trunk Switch / ESP Switch
I-043	W/26	Body Wire Harness Connector-2 B-069
I-044	W/40	Body Wire Harness Connector-1 B-068
I-045	B/16	OBD Diagnose Port
I-046	B/10	Power Rear View Mirror Switch
I-047	W/6	Headlight Adjustment Switch
I-048	-	Instrument Fuse and Relay Box
I-053	W/4	Electronic Steering Column Lock (MT)
I-065	Br/10	DC Voltage Regulator

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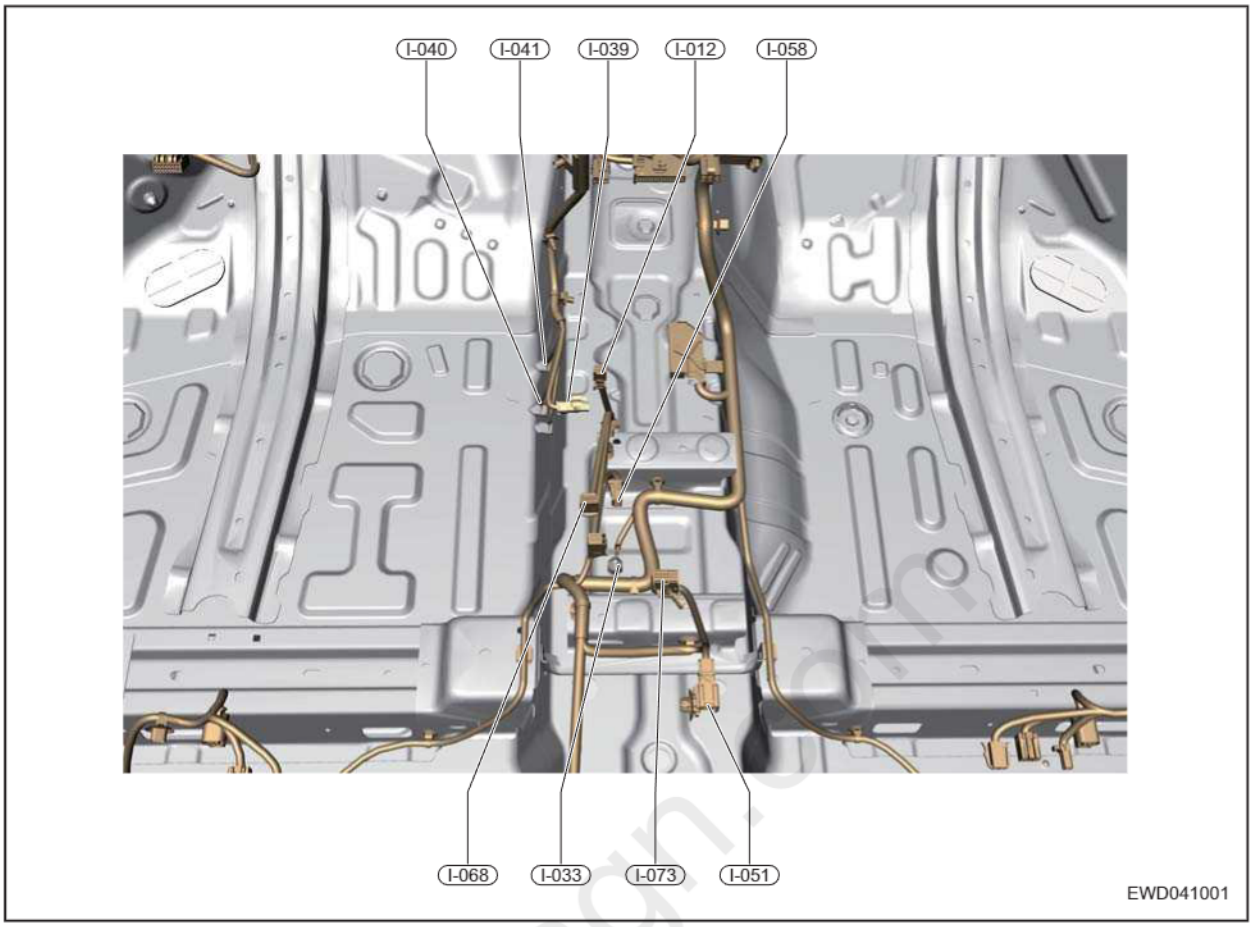
No.	Color/Terminal	Name
I-010	P/1	Radio Antenna (to DVD)
I-013	G/2	Front Passenger Airbag
I-017	B/16	PEPS-J2
I-018	B/10	PEPS-J4
I-020	W/1	Radio Antenna
I-027	Br/50	Airbag Controller (9 Loop)
I-031	W/3	Cigarette Lighter
I-052	Br/20	Gateway
I-054	-	Ground G501
I-056	Lg/22	A/C Wire Harness Connector K-013
I-060	B/4	Solar Sensor
I-061	Br/24	A/C Control Panel (AUTO)
I-063	Br/6	Warning Light Switch
I-067	Br/40	TBOX Module
I-071	Br/26	to Body Connector 6 B-152

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No.	Color/Terminal	Name
I-022	Y/2	Front Passenger Side Airbag
I-025	B/2	Right Front Seat Belt Switch
I-032	B/2	Low-frequency Antenna-2 (Mid Passage)
I-036	B/2	Left Front Seat Belt Switch
I-038	Y/2	Left Front Side Airbag
I-059	B/2	USB Charging Module
I-072	Br/2	Front Occupant Detection Sensor
I-077	Br/6	Right Front Seat Heater
I-078	Br/6	Left Front Seat Heater

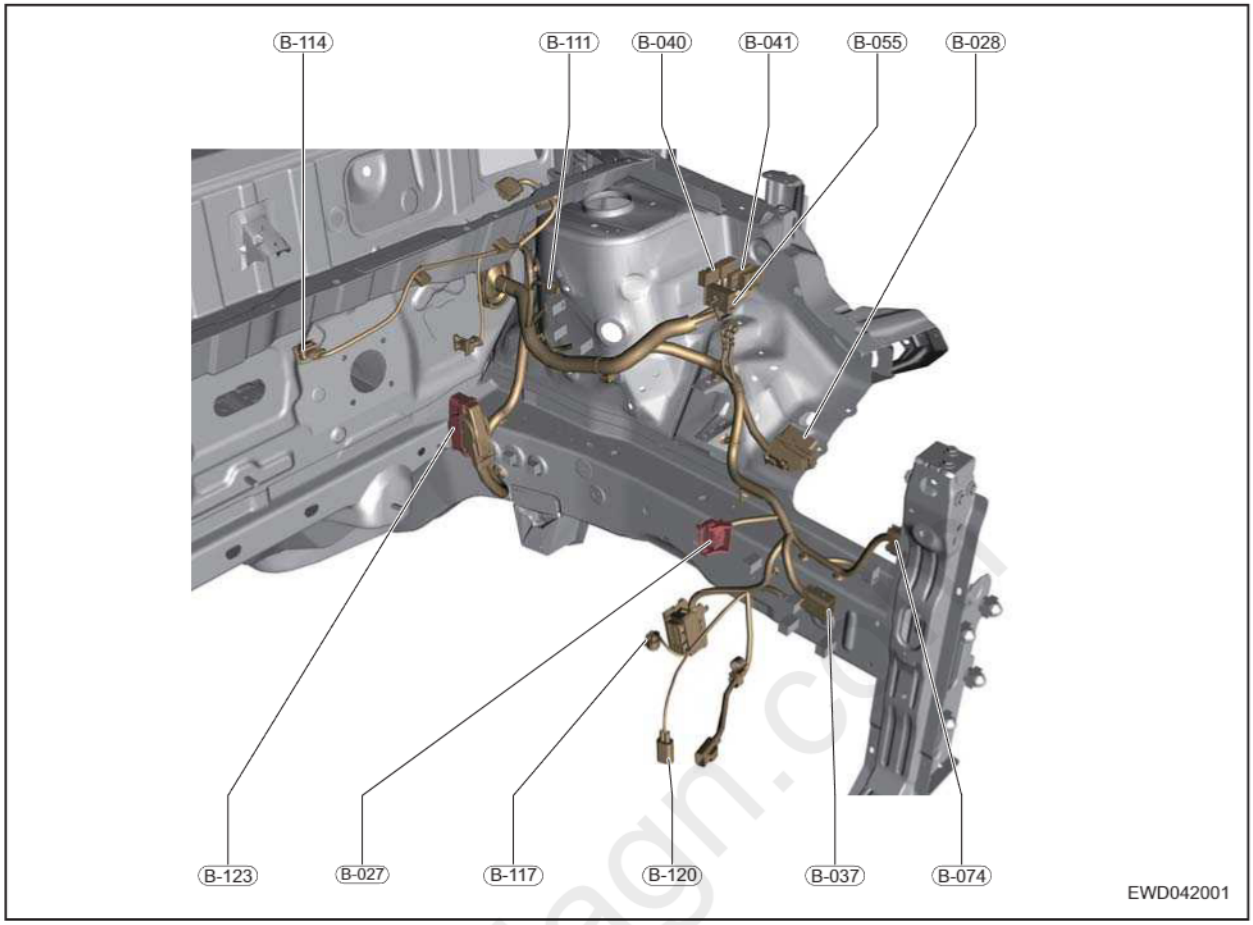
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No.	Color/Terminal	Name
I-012	W/8	ENGINE START SWITCH (PEPS)
I-033	-	Ground G504
I-039	B/2	Low-frequency Antenna-1
I-040	-	Ground G503
I-041	-	Ground G502
I-051	G/2	Immobilizer Antenna (Mid Passage)
I-058	B/12	Shift Lever (DCT)
I-068	Br/12	Electrical Parking Brake Switch (EPB Switch)
I-073	Br/16	Auxiliary Fasia Console Switch (DCT)

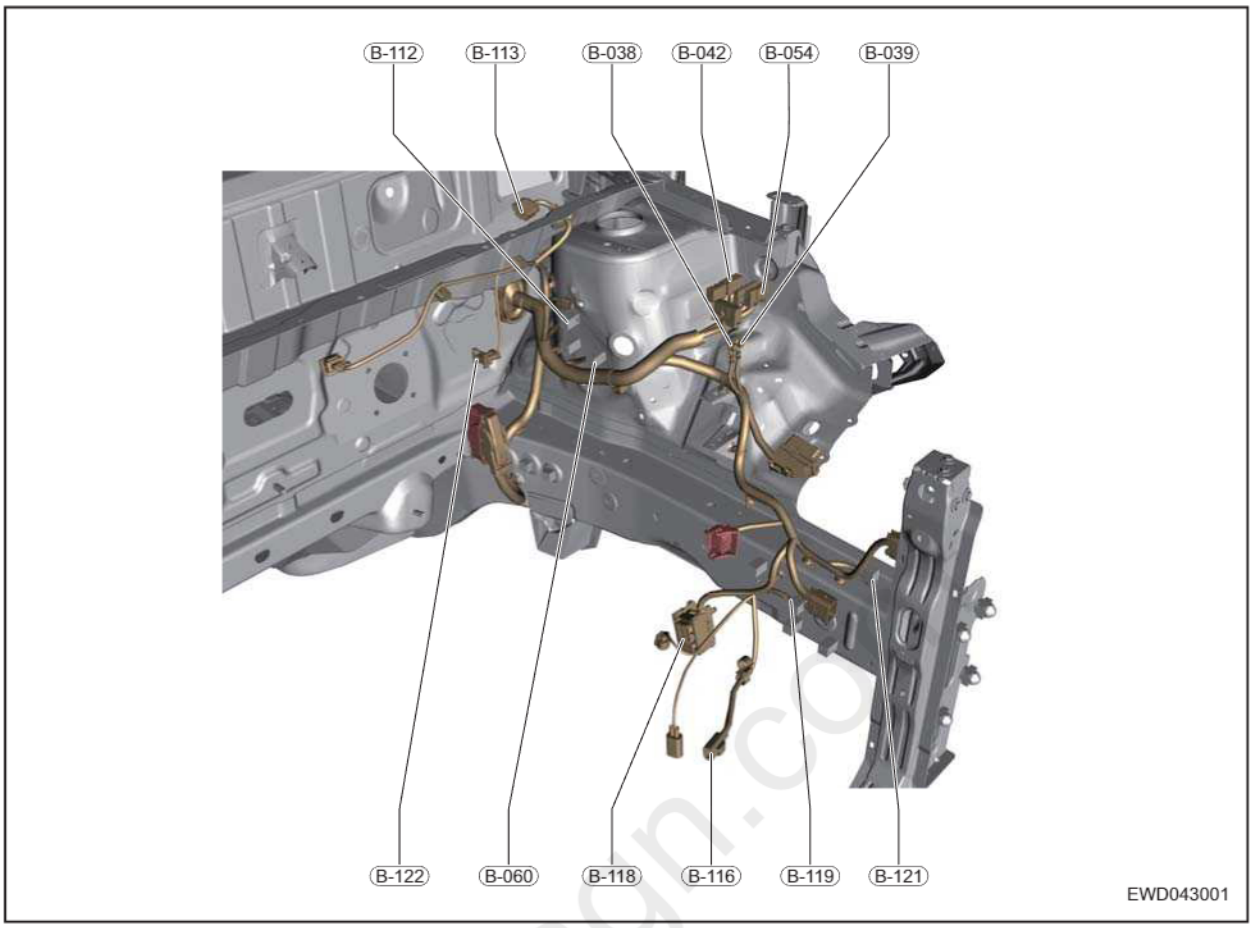
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Body Wire Harness



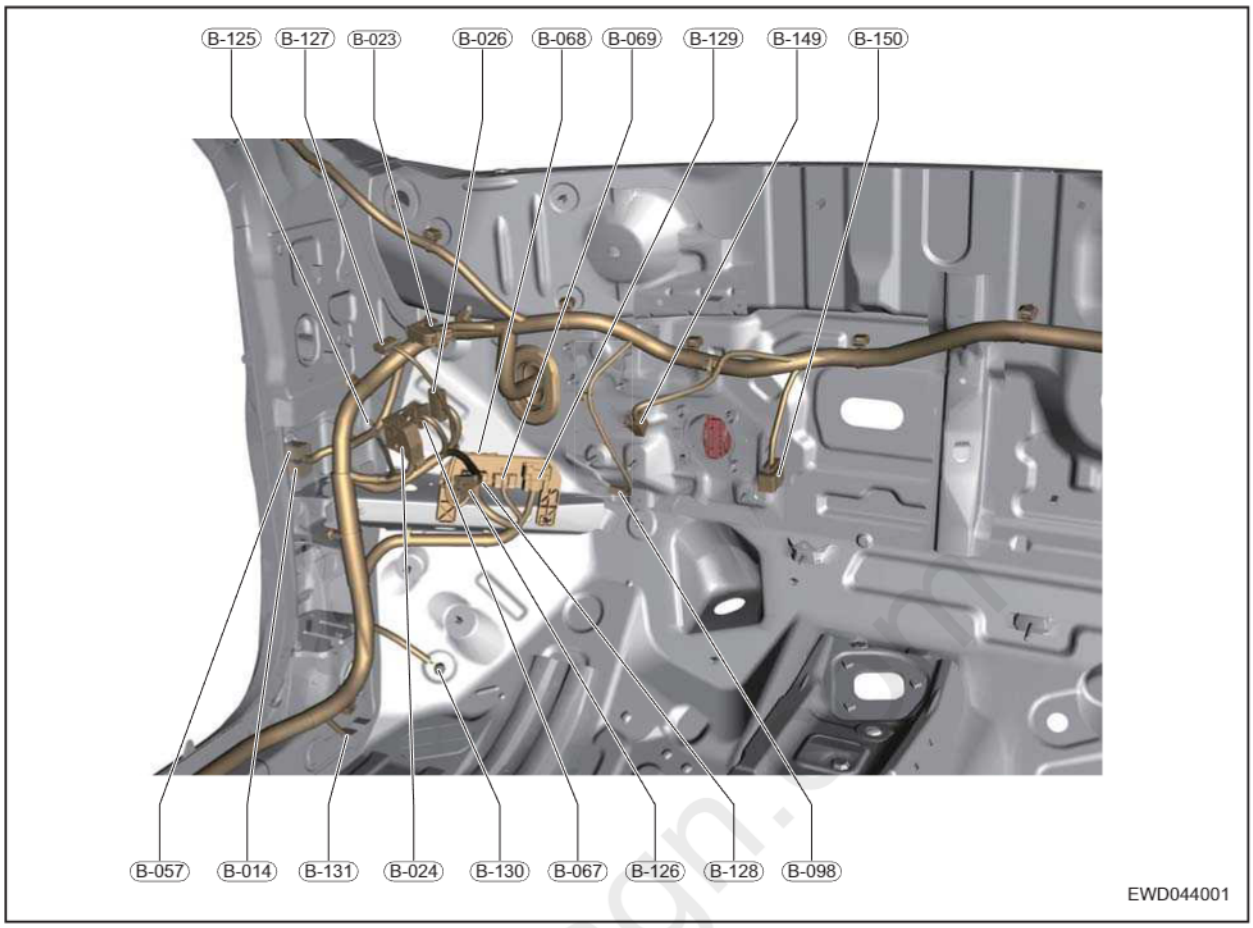
No.	Color/Terminal	Name
B-027	B/20	to Engine Wire Harness E-547
B-028	B/64	ECU-B
B-037	B/20	to Front Bumper Wire Harness Q-032
B-040	Br/12	Engine Compartment Fuse and Relay Box-D
B-041	Br/40	Engine Compartment Fuse and Relay Box-H
B-055	Br/14	Engine Compartment Fuse and Relay Box-G
B-074	B/20	to Front Bumper Wire Harness Q-033
B-111	B/2	Left Front Speed Sensor
B-114	B/3	Absolute Vacuum Sensor
B-117	Br/2	Back-up Light Switch (6MT)
B-120	Br/4	Neutral Position Switch
B-123	B/46	EPB Module

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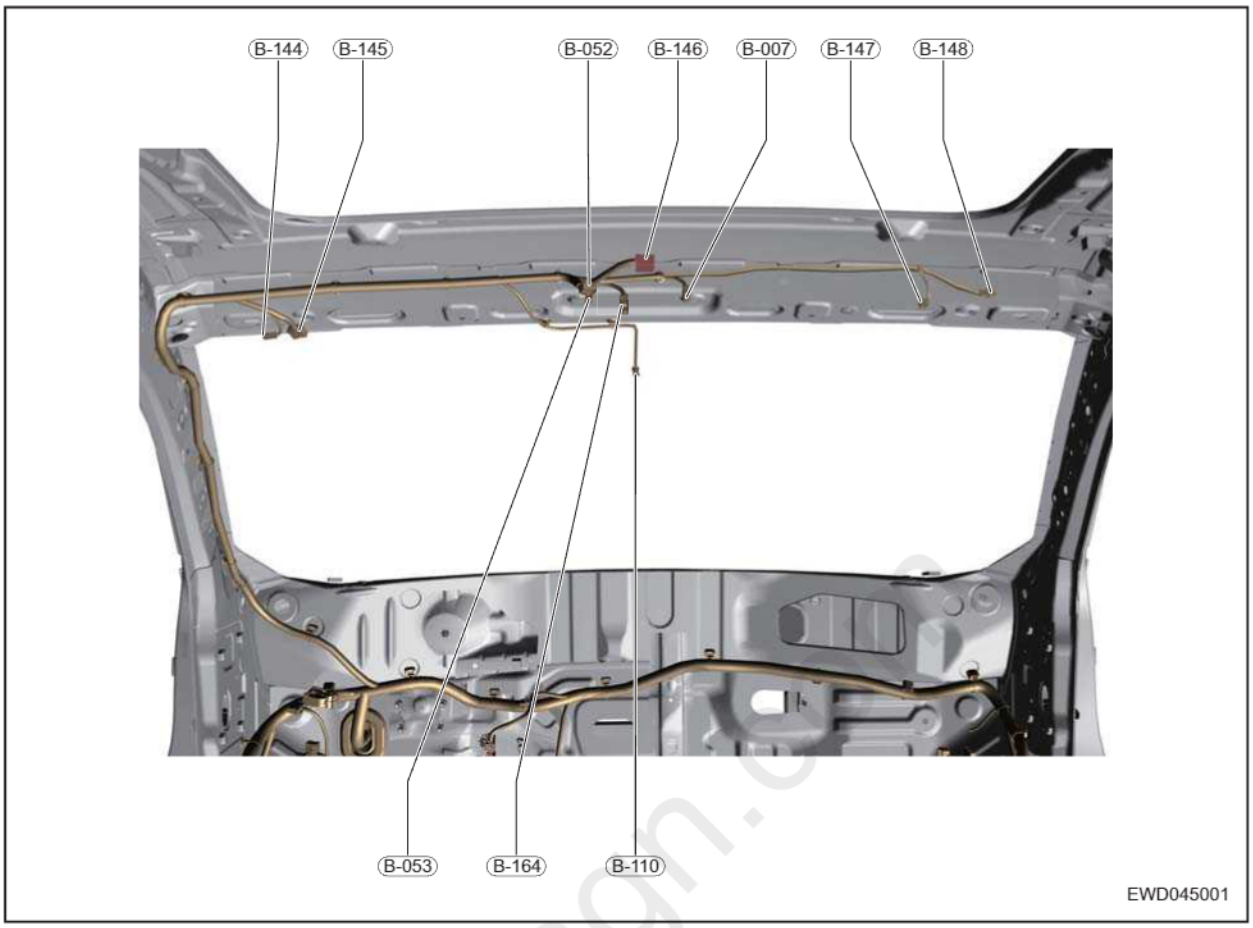


No.	Color/Terminal	Name
B-038	-	Instrument Fuse and Relay Box Power Supply EF47 (UEC-R-2)
B-039	-	EPS Power Supply EPA1 (UEC-R-3)
B-042	Br/16	Engine Compartment Fuse and Relay Box-E
B-054	Br/12	gine Compartment Fuse and Relay Box-J
B-060	-	Ground G603
B-112	-	Ground G601
B-113	B/4	Front Wiper Motor
B-116	Br/2	Vacuum Pump
B-118	Br/58	TCU-A (DCT)
B-119	-	Ground G604
B-121	-	Ground G602
B-122	Br/2	Brake Fluid Level Sensor

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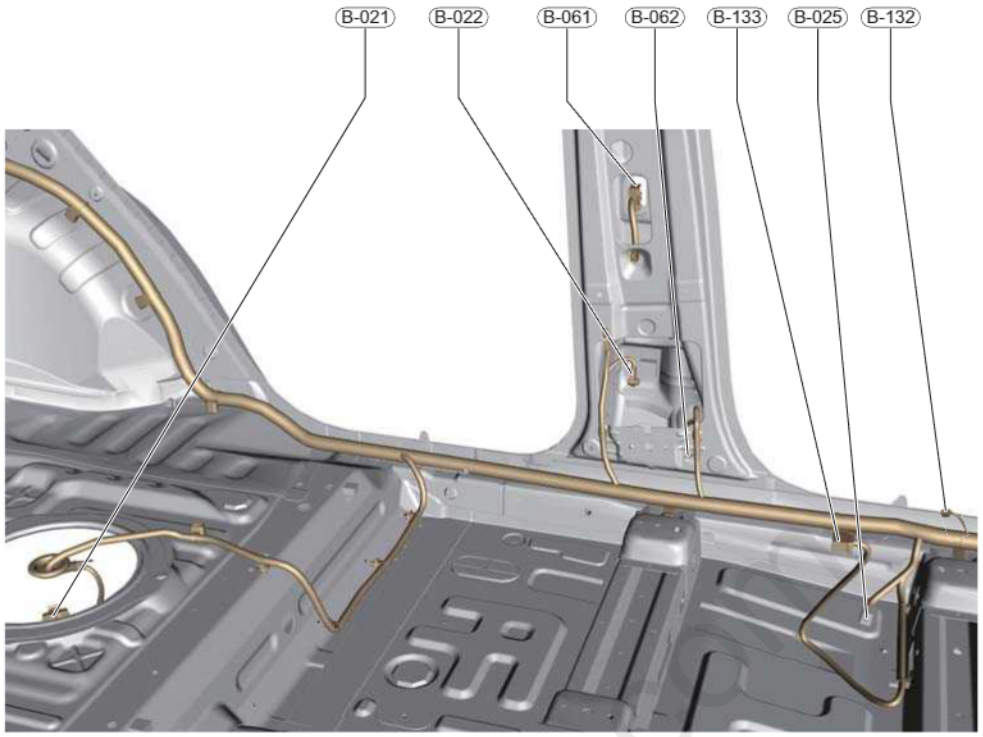


No.	Color/Terminal	Name
B-014	W/18	to Front Left Door Wire Harness Connector (1-18) F-011
B-023	B/52	BCM 1
B-024	W/14	BCM 3
B-026	W/20	BCM 5
B-057	Gr/18	to Front Left Door Wire Harness 2 (19-36) F-011
B-067	W/12	BCM 4
B-068	W/40	to Instrument Panel Wire Harness Connector I-044
B-069	W/26	to Instrument Panel Wire Harness Connector I-043
B-098	W/8	Clutch Bottom Switch
B-125	-	Instrument Fuse and Relay Box Power Supply EF47 (UEC-R)
B-126	B/2	EPS Motor
B-127	Br/24	BCM 2
B-128	Br/26	Instrument Wire Harness Connector 5 I-009
B-129	Br/16	Instrument Wire Harness Connector 3 I-008
B-130	-	Ground G605
B-131	-	Ground G611
B-149	B/4	Brake Switch
B-150	B/6	Electronic Accelerator Pedal



No.	Color/Terminal	Name
B-007	W/2	Microphone 2
B-052	Br/10	Front Room Light
B-053	W/2	Microphone 1
B-110	Br/3	lar and Rain Sensor
B-144	B/2	Left Vanity Light Switch
B-145	B/2	Left Vanity Light
B-146	Br/14	Sunroof
B-147	B/2	Right Vanity Light
B-148	B/2	Right Vanity Light Switch
B-164	W/6	Tachograph

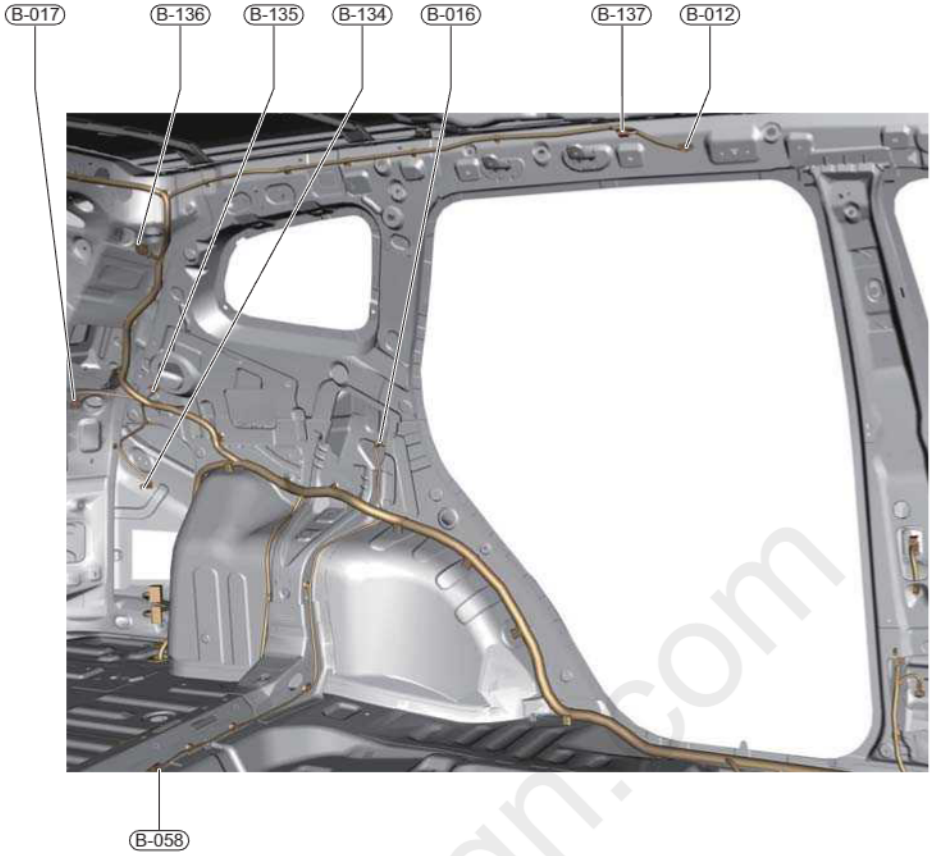
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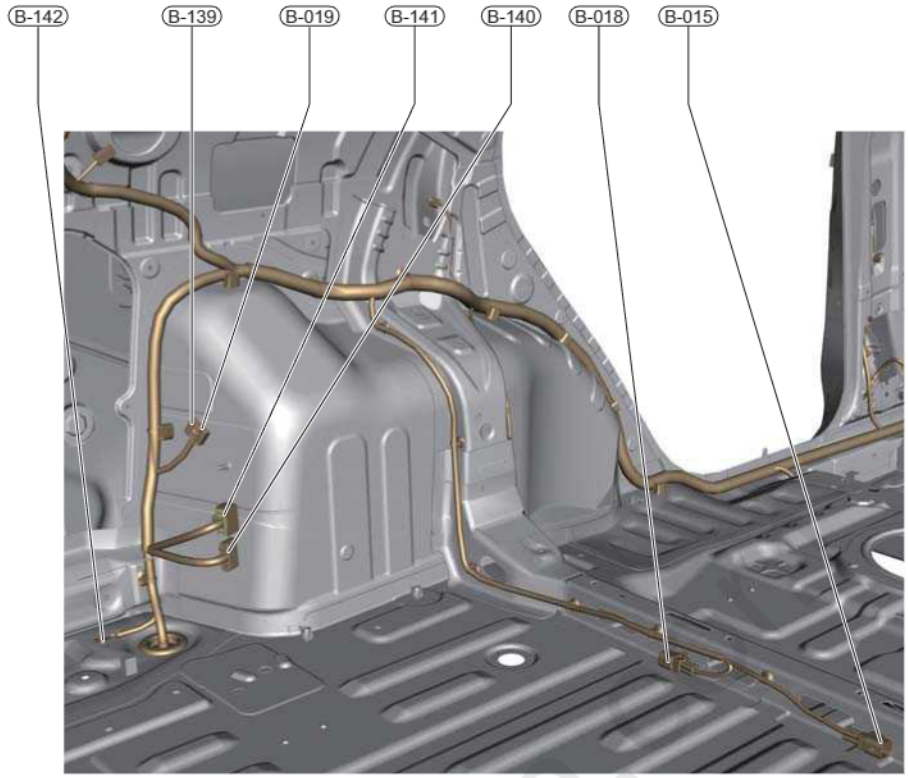
No.	Color/Terminal	Name
B-021	B/5	Fuel Pump Motor
B-022	Y/2	Left Front Seat Belt Pretensioner
B-025	-	Ground G607
B-061	O/16	to Rear Left Door Wire Harness Connector L-006
B-062	B/2	left side Collision Sensor
B-132	B/2	Left Rocker Panel Light
B-133	B/5	Seat Assembly

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No.	Color/Terminal	Name
B-012	Y/2	Left front side curtain airbag
B-016	Y/2	Left Rear Seat Belt Pretensioner
B-017	W/6	Rear Left Tail Light
B-058	B/2	Low Frequency Antenna 3
B-134	B/2	The Third Spare Power Supply
B-135	B/2	Left Rear Speaker
B-136	Br/10	Power Support
B-137	Br/3	Left Center Dome Light

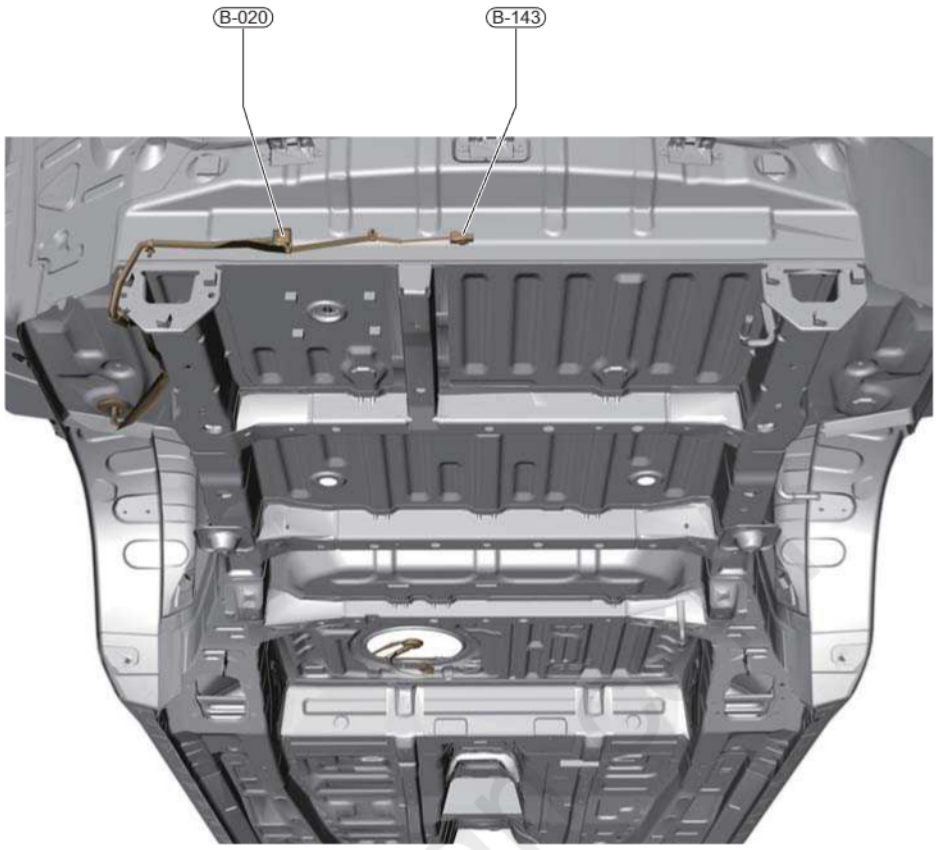
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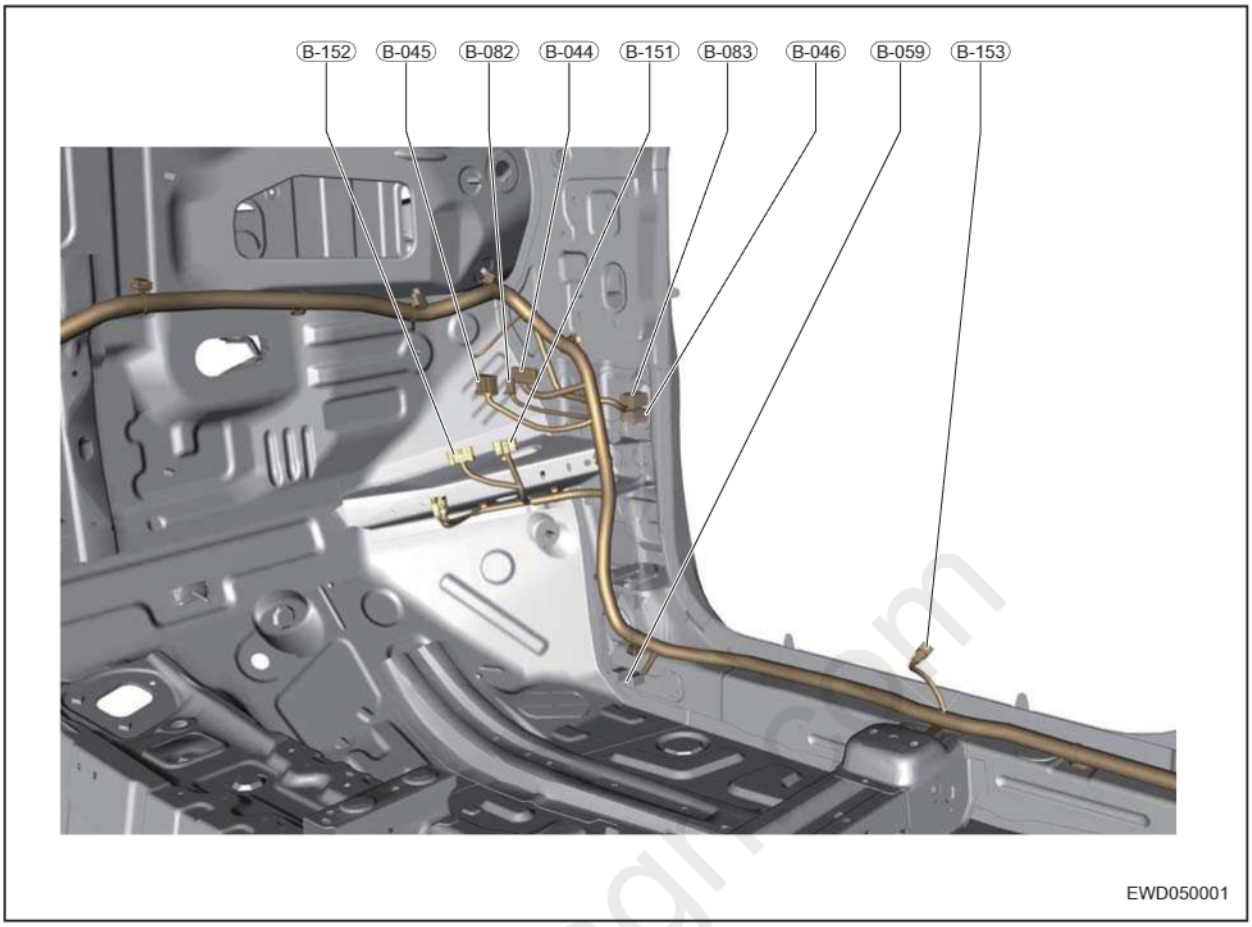
No.	Color/Terminal	Name
B-015	B/4	to Right Rear Wheel Speed Sensor and Pipe Wrench
B-018	B/4	to Left Rear Wheel Speed Sensor and Pipe Wrench
B-019	W/16	Reverse Radar Module (4 Sensors)
B-139	W/24	Reverse Radar Module (8 Sensors)
B-140	Br/32	Power Tail Door Module-2 (PLGM-2)
B-141	Br/14	Power Tail Door Module-1 (PLGM-1)
B-142	-	Ground G608

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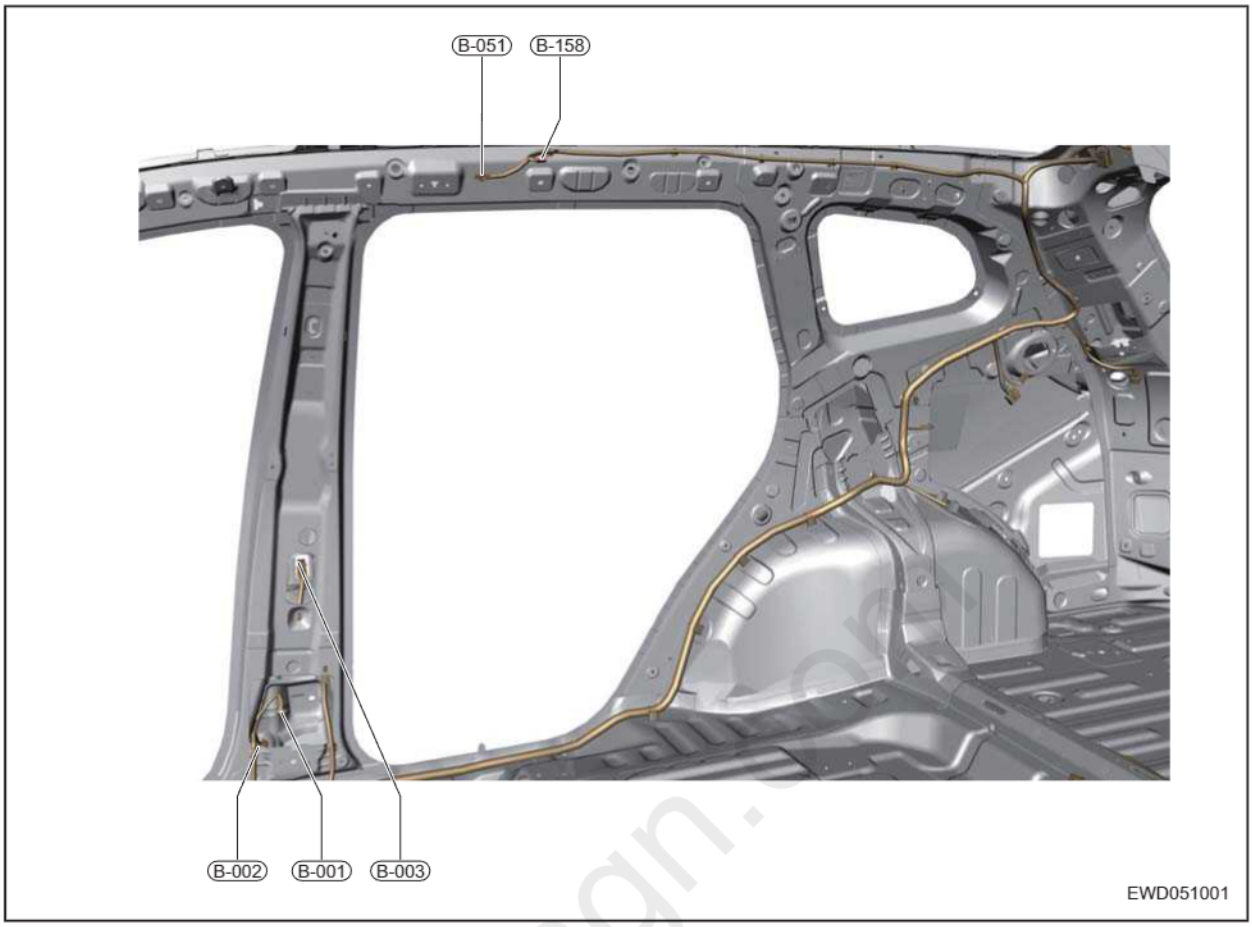
No.	Color/Terminal	Name
B-020	W/10	to Rear Bumper Wire Harness Connector J-008
B-143	B/2	Rear Bumper Low Frequency Antenna

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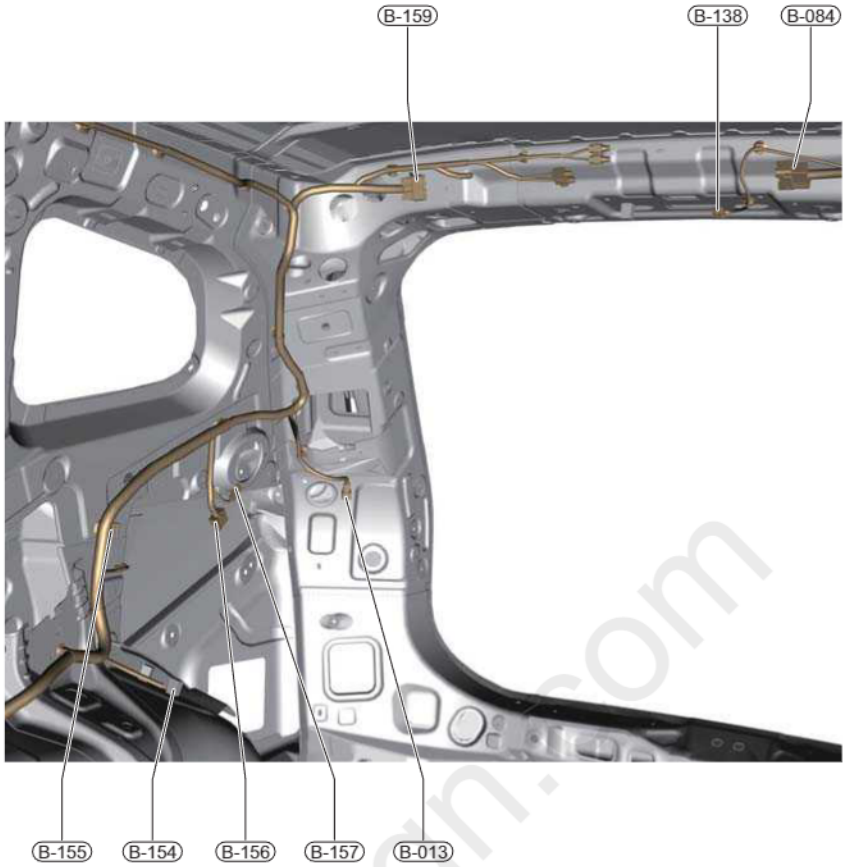
No.	Color/Terminal	Name
B-044	W/40	Multi-View Camera System
B-045	B/16	PEPS J1
B-046	W/18	to Front Right Door Wire Harness Connector (1-18) H- 011
B-059	-	Ground G610
B-082	B/8	PEPS J3
B-083	Gr/18	to Front Right Door Wire Harness Connector (19-36) H- 011
B-151	Br/26	to Instrument Panel Wire Harness Connector I-079
B-152	Br/16	to Instrument Panel Wire Harness Connector I-071
B-153	Br/2	Right Rocker Panel Light

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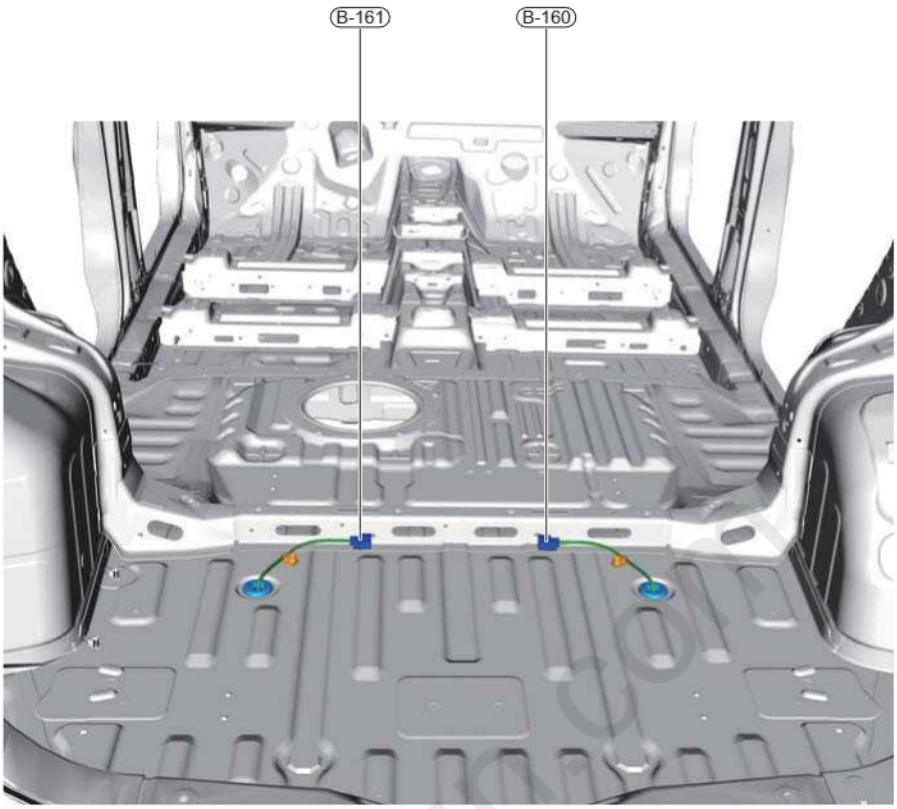
No.	Color/Terminal	Name
B-001	Y/2	Right Front Seat Belt Pretensioner
B-002	B/2	Right Side Collision Sensor
B-003	O/16	to Rear Right Door Wire Harness Connector R-006
B-051	Y/2	Right Front Side Curtain Airbag
B-158	L/3	Right Center Dome Light

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No.	Color/Terminal	Name
B-013	W/6	Rear Right Tail Light
B-084	W/26	to Back Door Wire Harness Connector T-009
B-138	W/6	Rear Dome Light
B-154	-	Ground G609
B-155	B/6	Rear Speed Resistor Panel
B-156	Br/5	Rear Evaporator
B-157	B/2	Right Rear Speaker
B-159	W/16	Right Rear Back Door Wire Harness

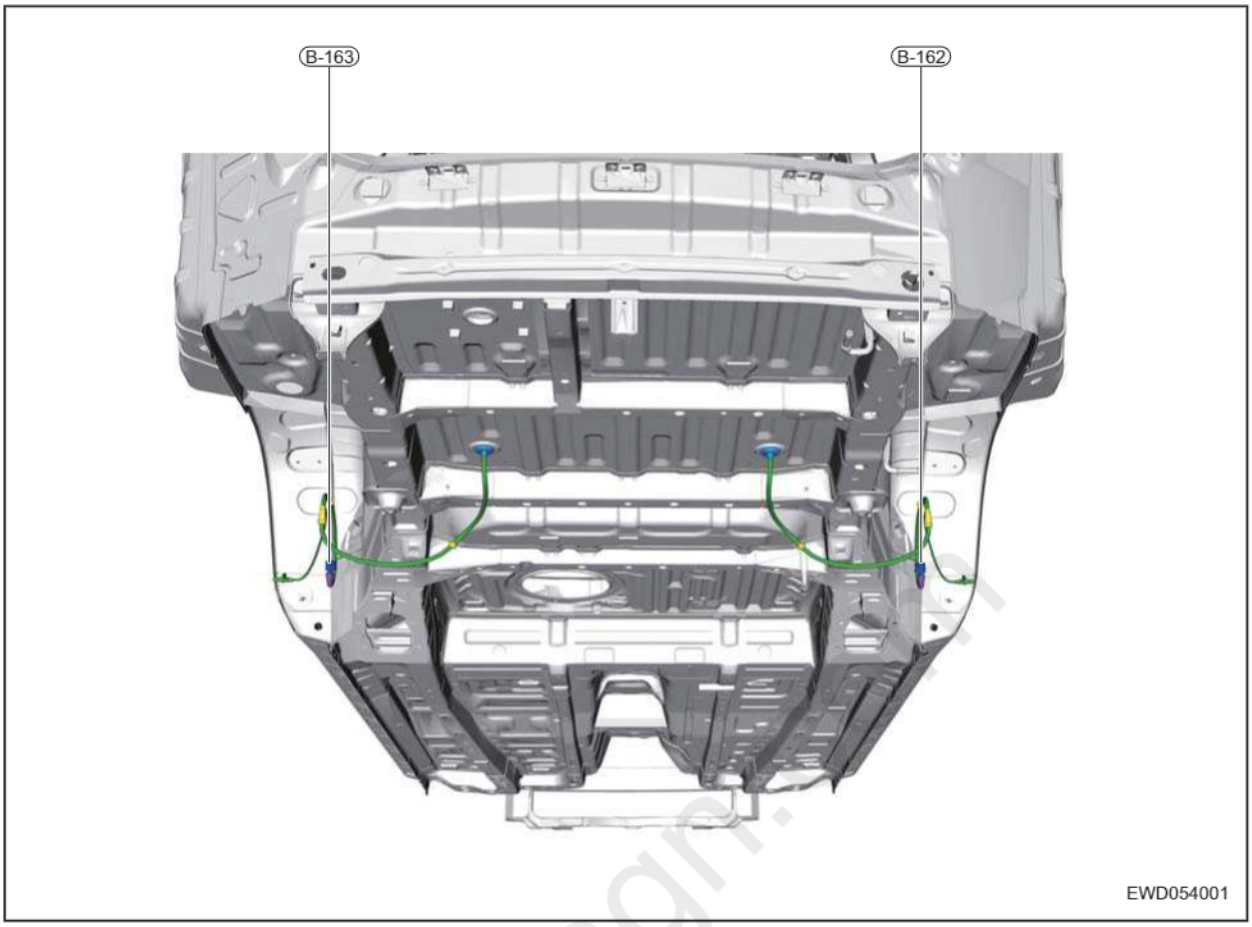
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No.	Color/Terminal	Name
B-160	B/4	Right Rear Wheel Speed Sensor and Pipe Wrench
B-161	B/4	Left Rear Wheel Speed Sensor and Pipe Wrench

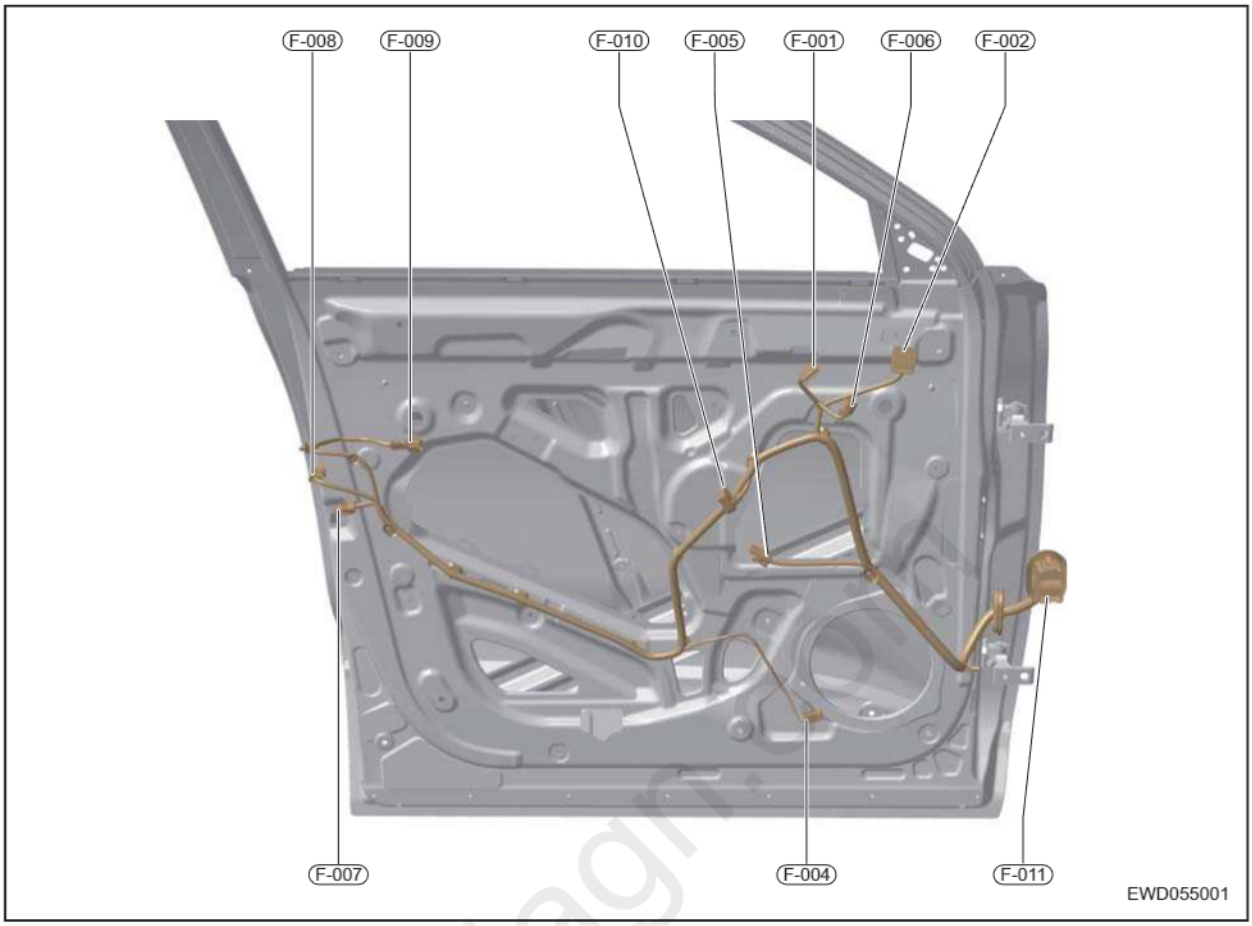
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No.	Color/Terminal	Name
B-162	Br/2	Right Pipe Wrench
B-163	Br/2	Left Pipe Wrench

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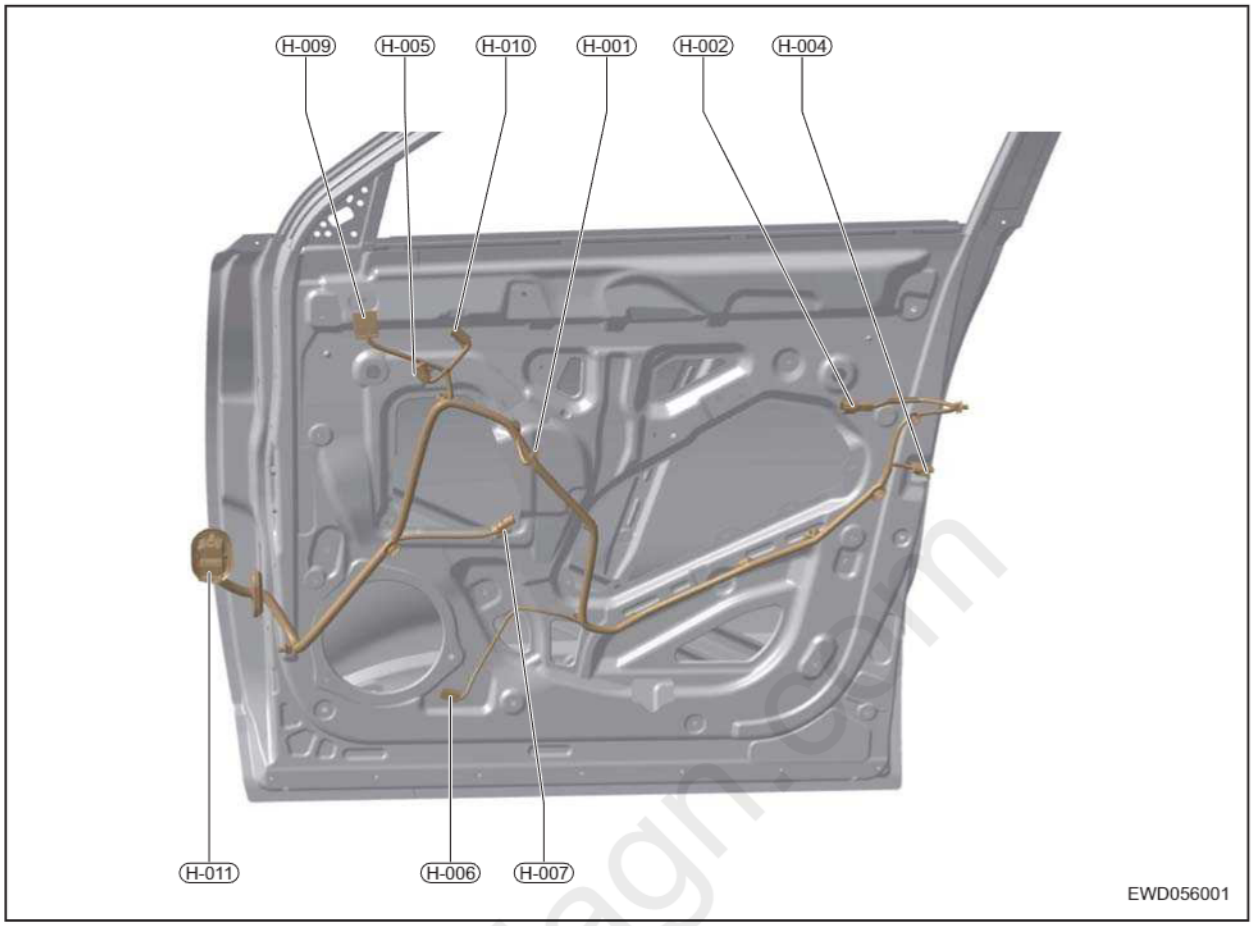
Front Left Door Wire Harness



No.	Color/Terminal	Name
F-001	B/2	Front Left Speaker
F-002	W/16	Left Power Rear View Mirror Connector
F-004	B/2	Front Left Door Speaker
F-005	B/2	Front Left Power Window Regulator Motor
F-006	B/2	Atmosphere Light
F-007	Gr/4	Multiple Function Switch
F-008	B/4	Front Left Door Lock Motor
F-009	B/2	Left Handle Switch Unit
F-010	Br/16	Front Left Power Window Switch
F-011	W/36	to Body Wire Harness Connector B-014, B-057

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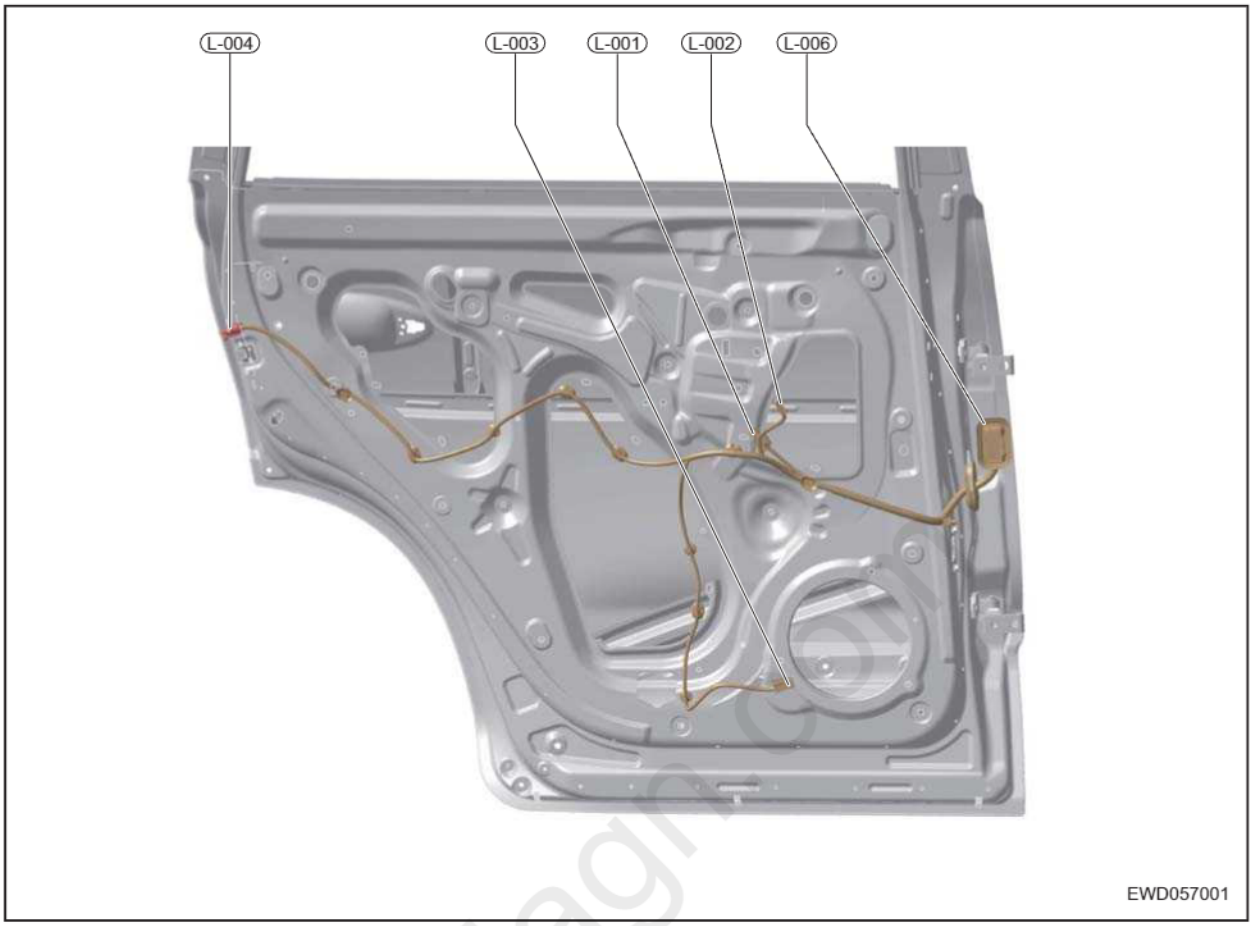
Front Right Door Wire Harness



No.	Color/Terminal	Name
H-001	Br/4	Front Right Power Window Switch
H-002	/2	Right Handle Switch Unit
H-004	/4	Front Right Door Lock Motor
H-005	B/2	Atmosphere Light
H-006	B/2	Front Right Door Speaker
H-007	B/2	Front Right Power Window Regulator Motor
H-009	W/16	Right Power Rear View Mirror Connector
H-010	B/2	Front Right Speaker
H-011	W/36	to Body Wire Harness Connector B-046, B-083

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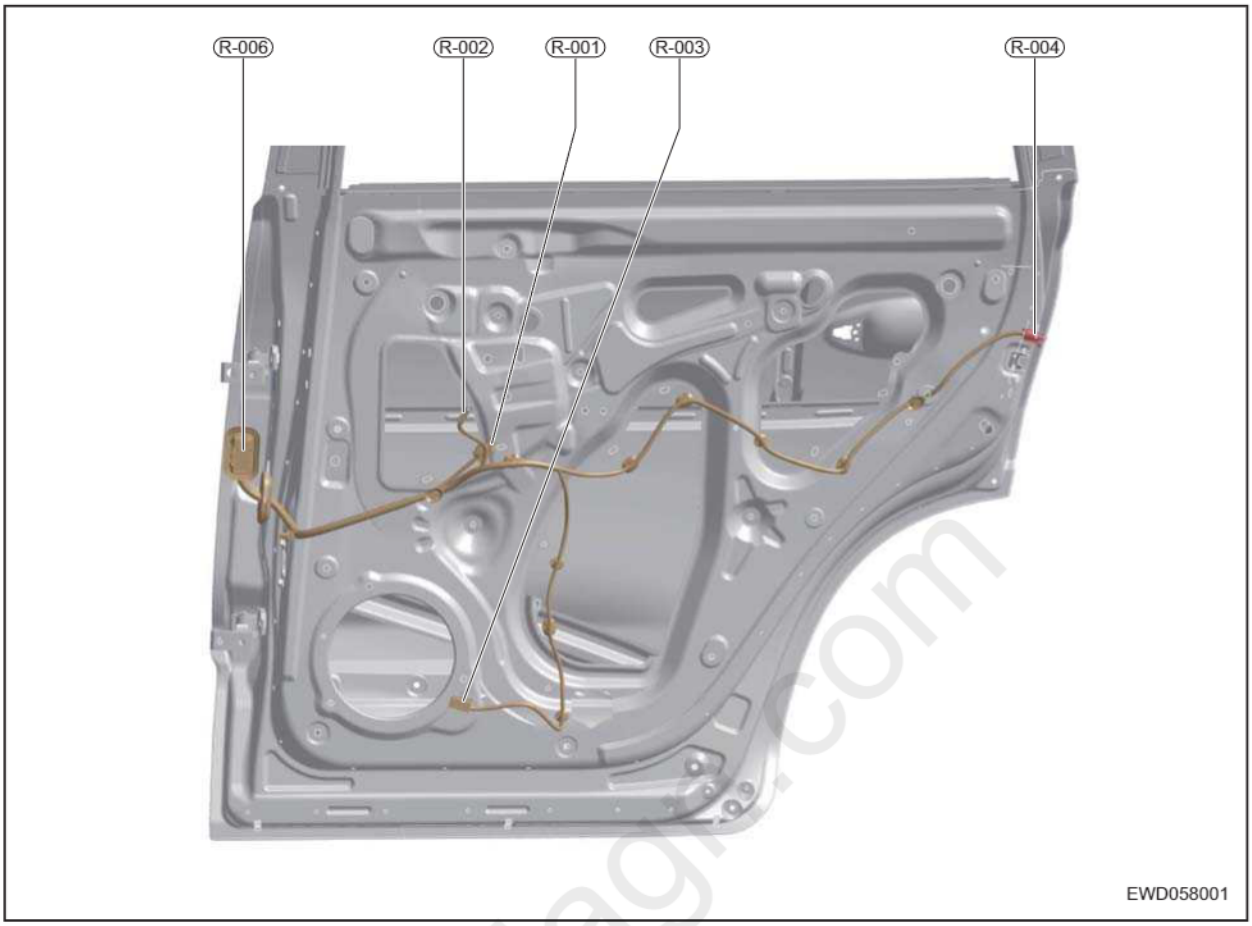
Rear Left Door Wire Harness



No.	Color/Terminal	Name
L-001	B/4	Rear Left Power Window Switch
L-002	B/2	Rear Left Power Window Regulator Motor
L-003	B/2	Rear Left Door Speaker
L-004	B/4	Rear Left Door Lock Motor
L-006	W/16	to Body Wire Harness Connector B-061

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Rear Right Door Wire Harness



No.	Color/Terminal	Name
R-001	B/4	Rear Right Power Window Switch
R-002	B/2	Rear Right Power Window Regulator Motor
R-003	B/2	Right Rear Speaker
R-004	B/4	Rear Right Door Lock Motor
R-006	W/16	to Body Wire Harness Connector B-003

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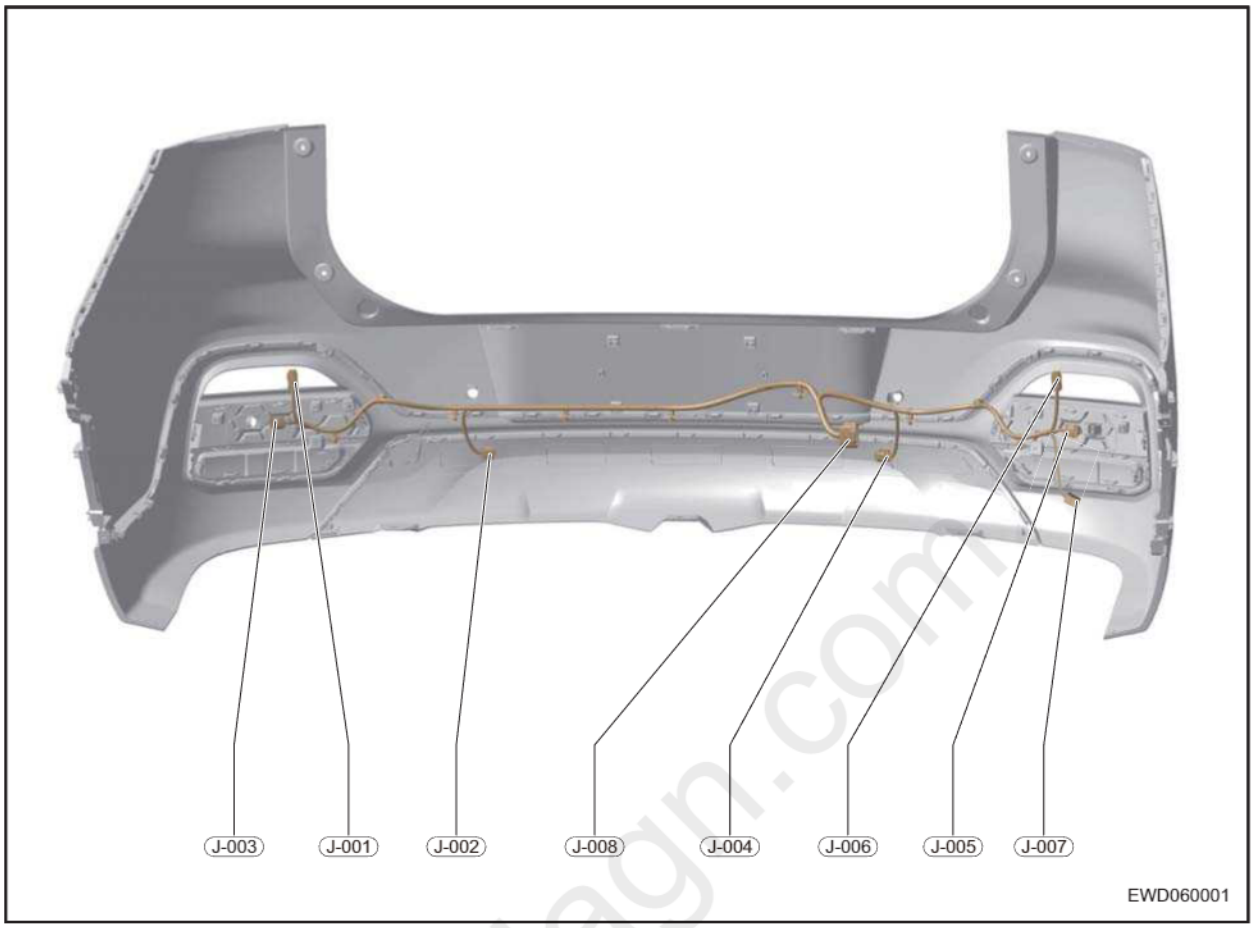
Back Door Wire Harness



No.	Color/Terminal	Name
T-001	W/4	Back Door Lock Motor
T-002	B/2	Left License Plate Light
T-003	B/6	Locker
T-004	W/3	Rear Wiper Motor
T-005	B/6	Back Door Close Switch
T-006	W/4	Left Rear Tail Light (Movable Part)
T-007	W/2	Jam Protection Strip
T-008	B/1	Rear Windshield Defrost
T-009	W/26	to Body Wire Harness Connector B-084
M-001	B/2	Back Door Switch
M-002	B/2	Right License Plate Light
M-003	B/4	Rear Camera
M-004	W/4	Right Rear Tail Light (Movable Part)
M-005	B/1	Defroster-
M-006	W/2	Jam Protection Strip
M-007	W/2	High Mounted Stop Light
M-008	-	Ground G701
M-009	W/16	to Body Wire Harness Connector

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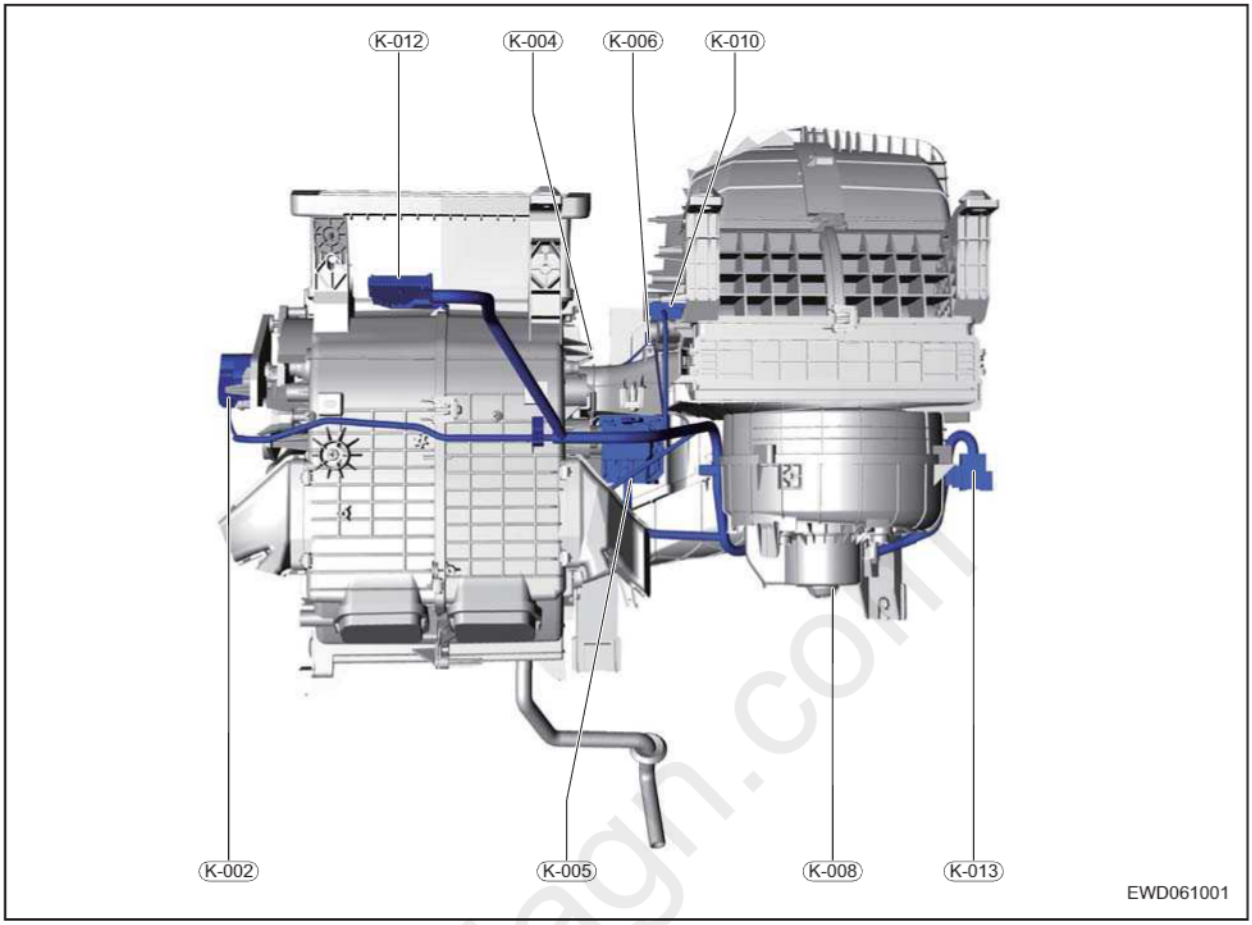
Rear Bumper Wire Harness



No.	Color/Terminal	Name
J-001	B/3	Rear Right Radar Sensor
J-002	B/3	Rear Right Middle Radar Sensor
J-003	B/2	Rear Right Fog Light
J-004	B/3	Rear Left Middle Radar Sensor
J-005	B/3	Rear Left Radar Sensor
J-006	B/2	Rear Left Fog Light
J-007	B/4	Kick Sensor
J-008	B/10	to Body Wire Harness Connector B-020

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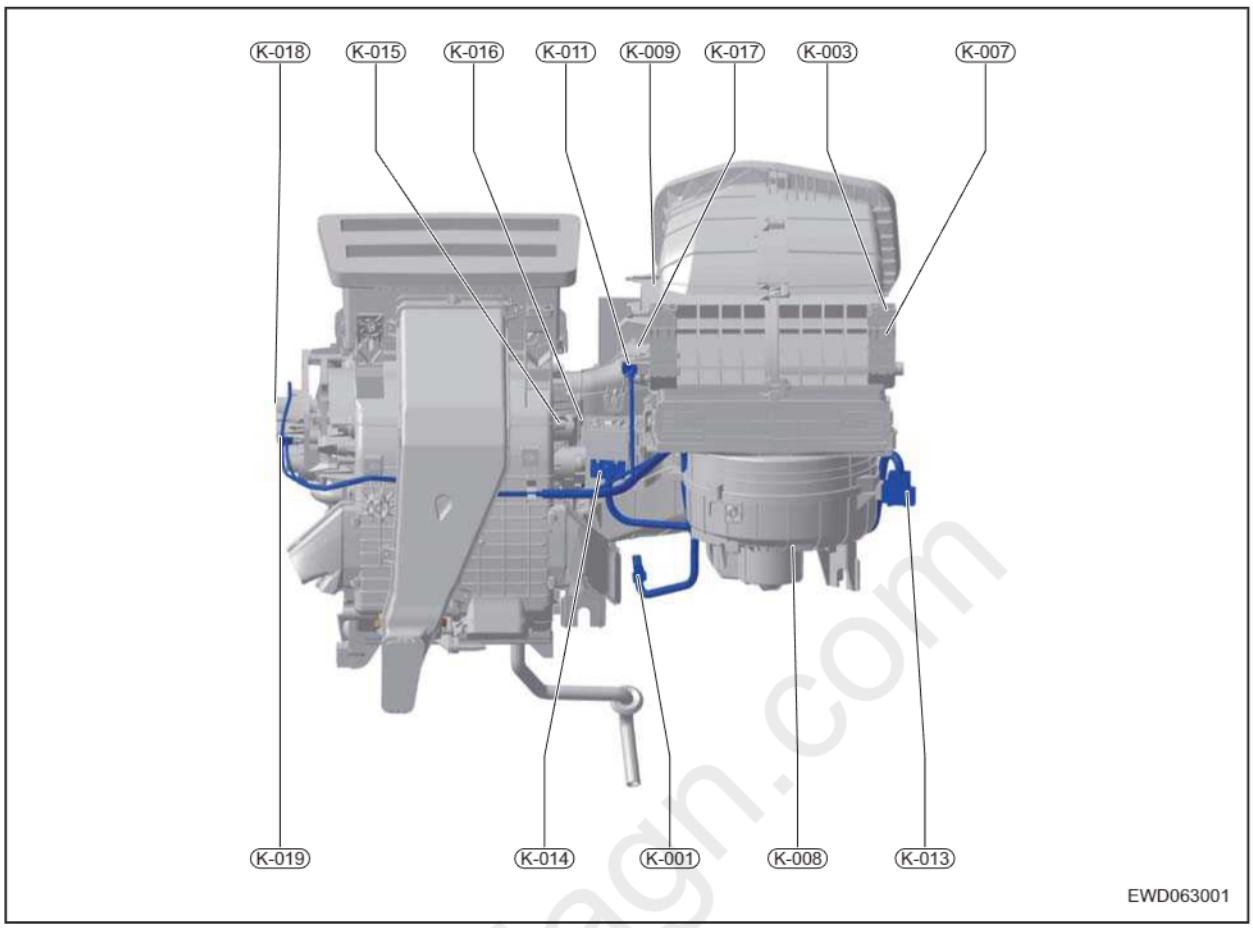
Electrical A/C System Wire Harness



No.	Color/Terminal	Name
K-002	B/6	Mode Damper Motor
K-004	B/6	Right Mixed Damper Motor
K-005	B/6	Speed Resistor Module
K-006	W/2	Evaporator Temperature Sensor
K-008	W/2	Blower
K-010	B/6	Outside Air & Recirculated Circulation Motor
K-012	W/32	Electrical A/C Control Panel
K-013	Lg/22	to Instrument Panel Wire Harness Connector I-056

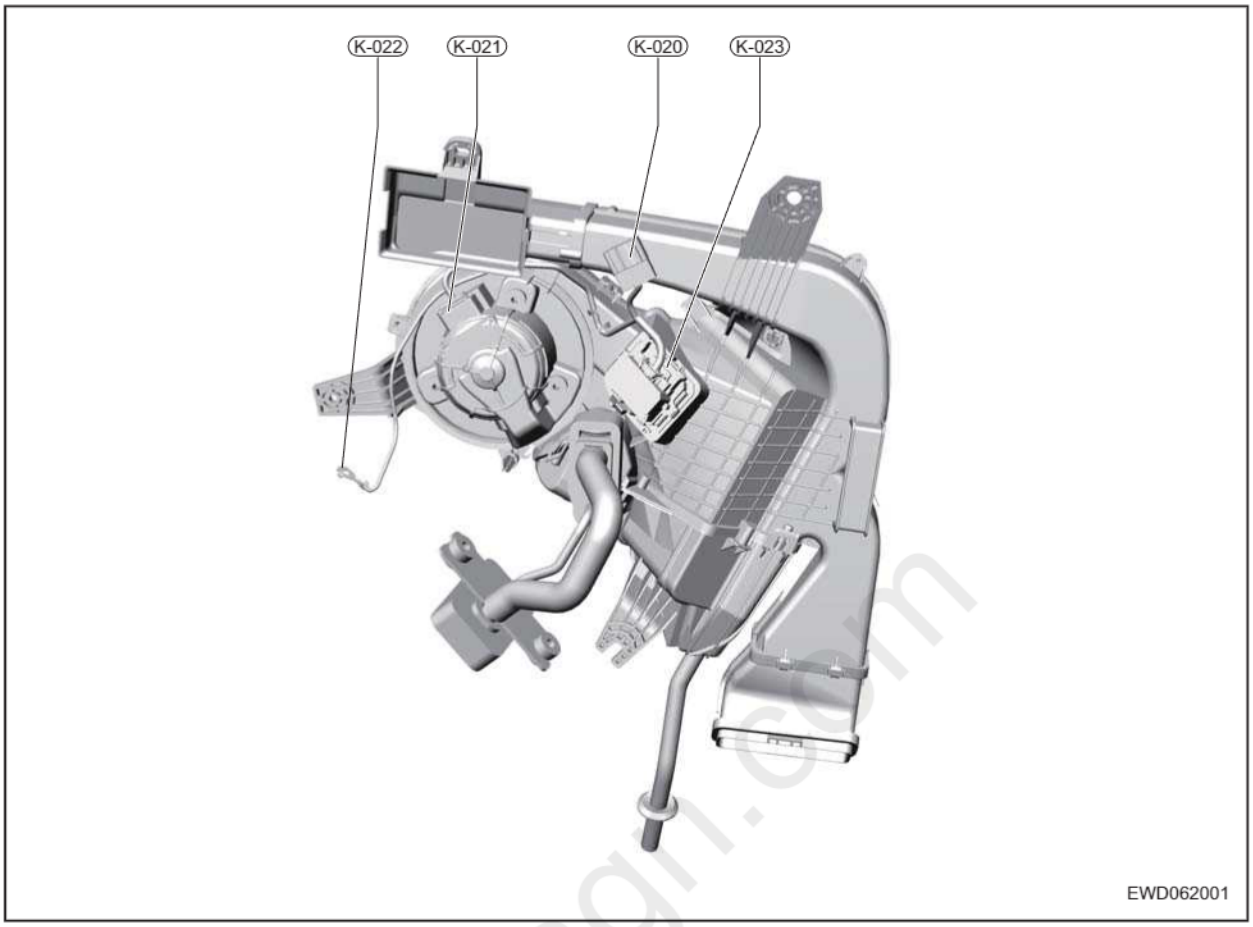
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Auto A/C System Wire Harness



No.	Color/Terminal	Name
K-001	W/40	Auto A/C Control Module
K-003	B/4	Outer PM2.5 Sensor
K-007	B/4	Inner PM2.5 Sensor
K-008	B/2	Blower
K-009	Br/3	Air Quality Sensor
K-011	B/16	AQM
K-013	Lg/22	to Instrument Panel Wire Harness Connector I-056
K-014	B/6	Speed Resistor Module
K-015	B/6	Right Mixing Damper Motor
K-016	W/2	Evaporator Temperature Sensor
K-017	B/6	Outside & Recirculated Air Mode Motor
K-018	B/6	Left Mixing Damper Motor
K-019	B/6	Mode Damper Motor

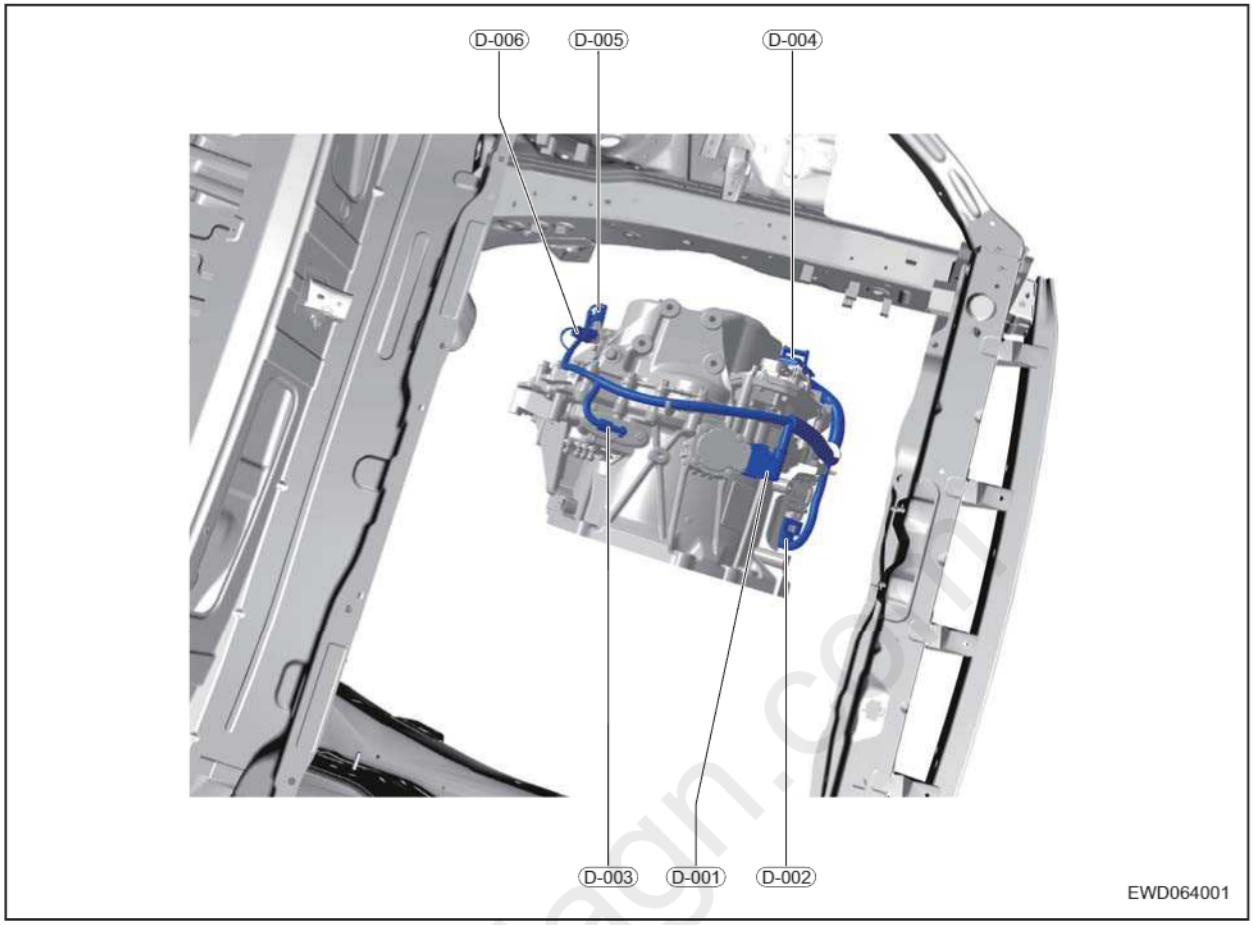
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No.	Color/Terminal	Name
K-020	B/5	to Body Wire Harness Connector B-156
K-021	B/2	Blower
K-022	-	Ground
K-023	B/6	Speed Resistor

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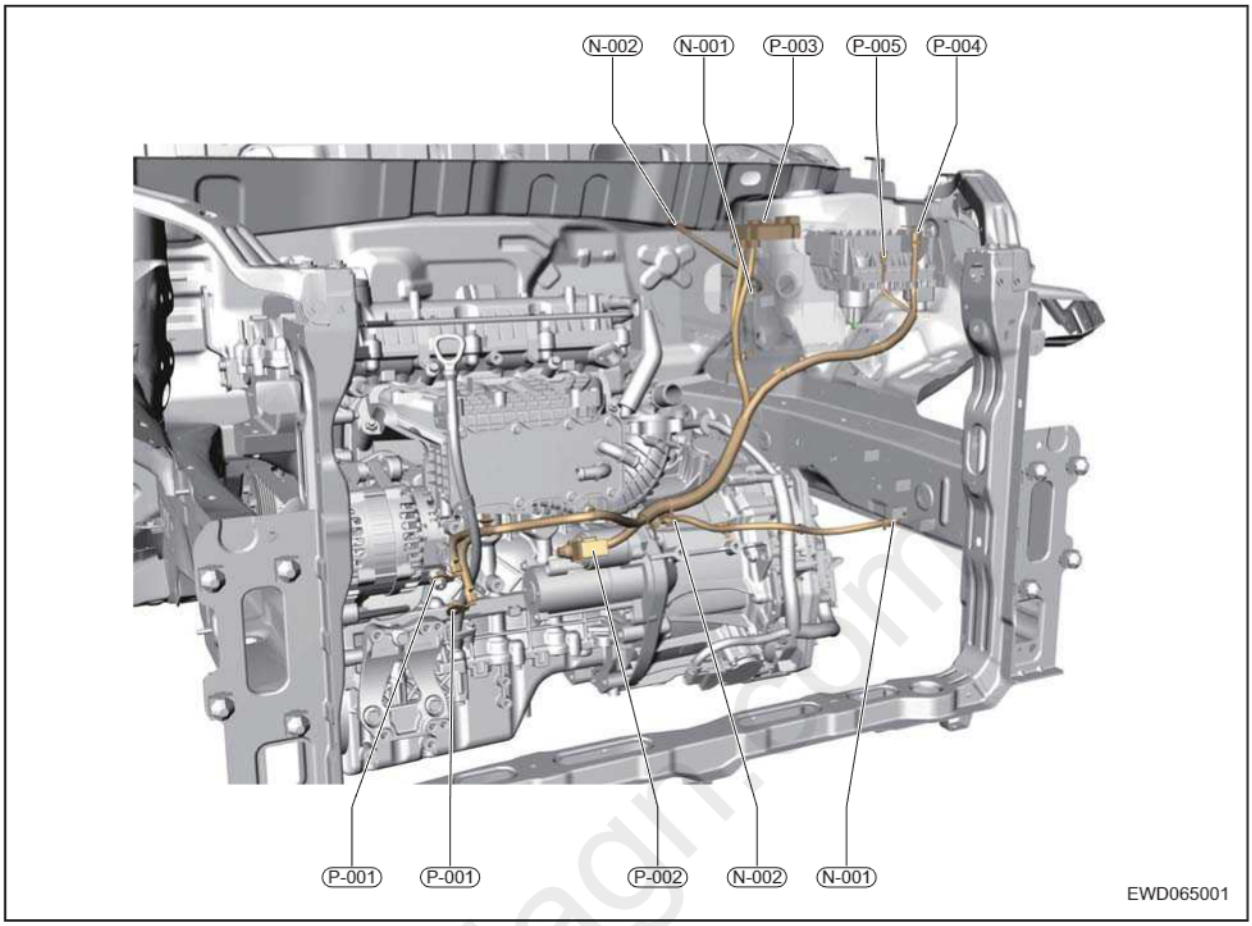
DCT Transmission Wiring Harness



No.	Color/Terminal	Name
D-001	B/8	Clutch Actuator Motor 1
D-002	B/8	Clutch Actuator Motor 2
D-003	B/4	Gear Position Sensor
D-004	B/58	TCU (DCT)
D-005	Gr/2	Input Shaft Speed Sensor 1
D-006	B/2	Input Shaft Speed Sensor 2

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Battery/Ground Wire Harness



No.	Color/Terminal	Name
P-001	-	Alternator
P-002	-	Starter
P-003	-	Battery Positive
P-004	-	Engine Compartment Fuse and Relay Box Power Supply
P-005	-	Alternator Power Supply
N-001	-	Engine Ground
N-002	-	Battery Negative

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