

ELECTRICAL WIRING ROUTING

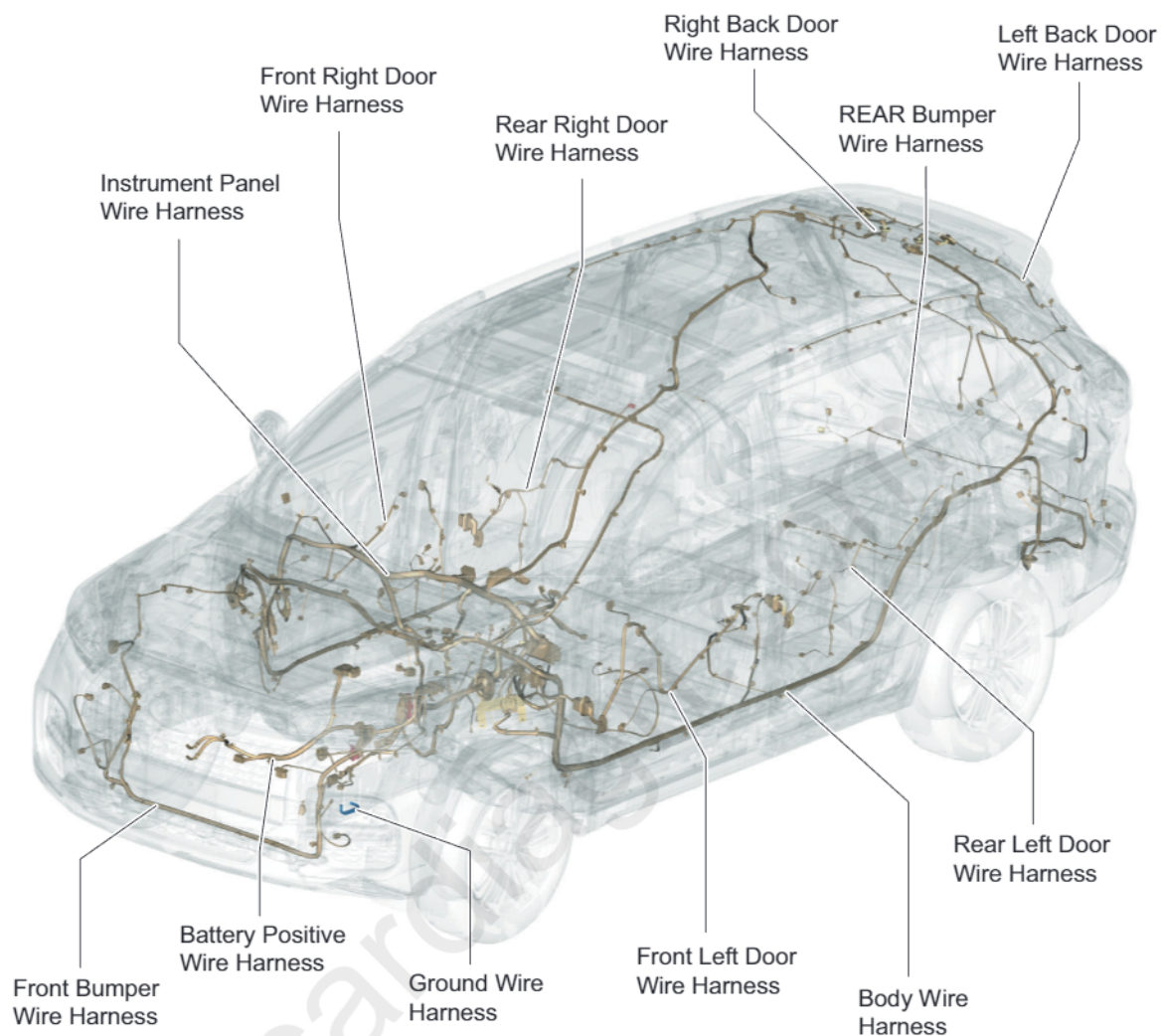
General Information

This section introduces location information of vehicle wire harness and electrical components in the form of graphic. Each part of the whole vehicle wire harness is given a specific color for distinguishing different wire harness easily. However, the color does not indicate the real color of wire harness. The whole vehicle wire harnesses are divided into the following parts and listed in the table below:

Wire Harness	See Page
Engine Wire Harness (For E4T15B Model)	08-3
Front Bumper Wire Harness	08-5
Instrument Panel Wire Harness	08-8
Body Wire Harness	08-13
Front Left Door Wire Harness	08-26
Front Right Door Wire Harness	08-27
Rear Left Door Wire Harness	08-28
Rear Right Door Wire Harness	08-29
Back Door Wire Harness	08-30
Rear Bumper Wire Harness	08-32
Electrical A/C System Wire Harness	08-33
DCT Transmission Wiring Harness	08-36
Battery/Ground Wire Harness	08-37

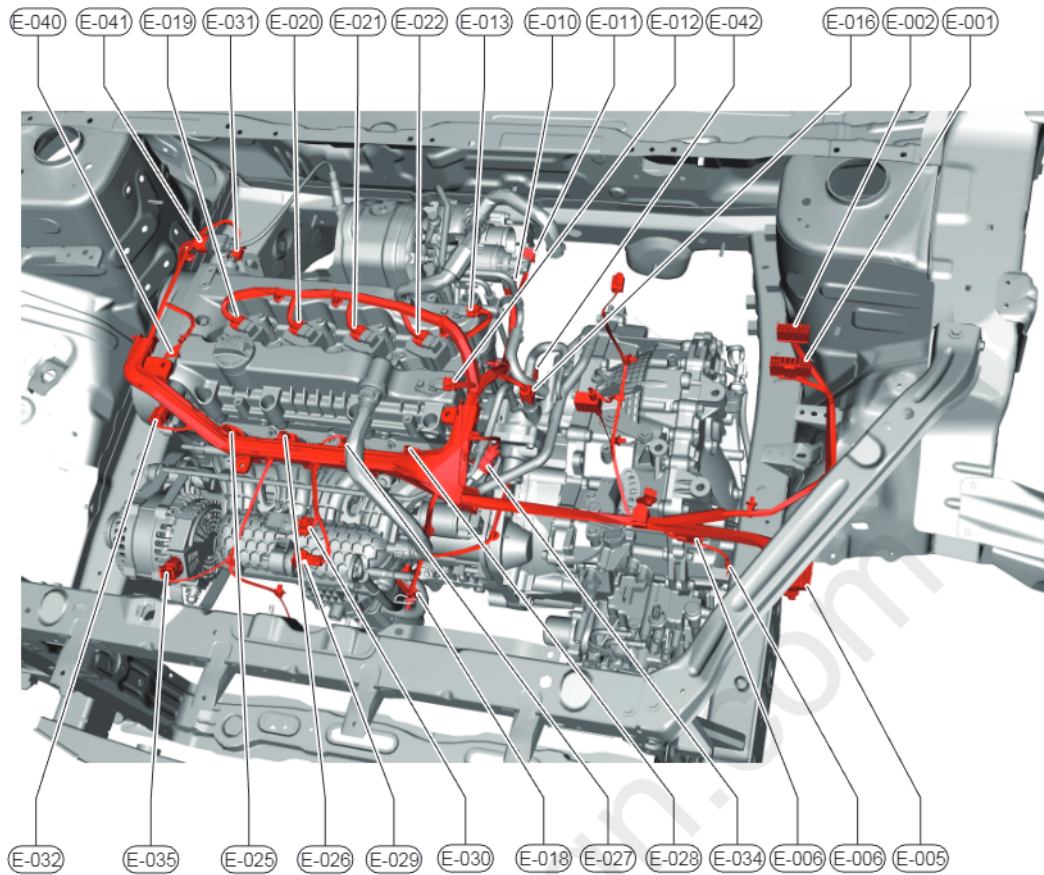
Vehicle Wire Harness Layout

Entire Vehicle Wire Harness Layout



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Engine Wire Harness (For E4T15B Model)

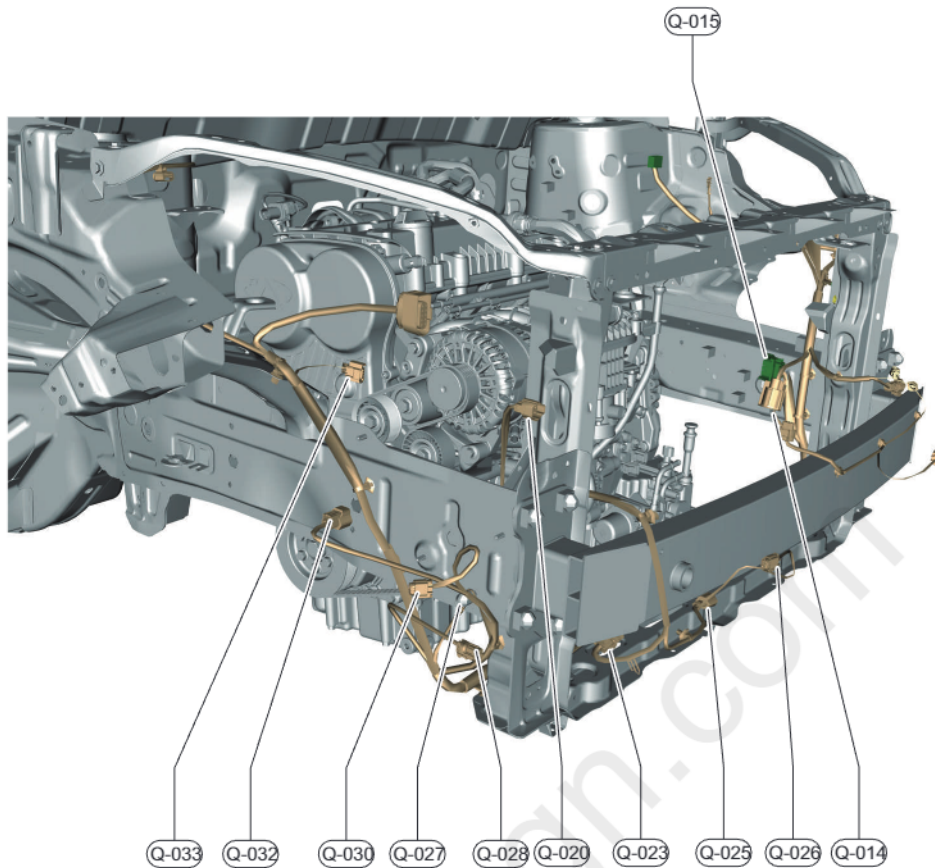


EWD032001

Connector Code	Connector Color/Pin	Connector Name
E-001	W/16	Central Fuse and Relay Box
E-002	W/18	Central Fuse and Relay Box
E-004	B/48	ECU-A
E-005	B/26	Engine Wire Harness to Instrument Panel Wire Harness
E-006	-	Ground G402
E-010	B/2	Waste Gate Actuator
E-011	B/1	ERCV VALVE
E-012	B/3	Camshaft Position Sensor-1
E-013	B/3	Camshaft Position Sensor-2
E-015	B/3	Engine Speed Sensor
E-016	B/2	Coolant Temperature Sensor-Outlet
E-018	B/6	Electronic Throttle
E-019	B/3	Ignition Coil 1
E-020	B/3	Ignition Coil 2
E-021	B/3	Ignition Coil 3
E-022	B/3	Ignition Coil 4

Connector Code	Connector Color/Pin	Connector Name
E-025	B/2	Fuel Injector 1
E-026	B/2	Fuel Injector 2
E-027	B/3	Fuel Injector 3
E-028	B/2	Fuel Injector 4
E-029	B/2	Canister Solenoid Valve
E-030	B/4	Intake Pressure Temperature Sensor
E-031	B/2	Variable Camshaft Timing-Intake
E-532	B/2	Variable Camshaft Timing-Exhaust
E-034	B/2	Knock Sensor
E-035	B/3	Alternator - Adjustment
E-037	B/2	Air Compressor Clutch
E-038	B/1	Starter-Excitation
E-040	-	Ground G401
E-041	B/4	Front Oxygen Sensor
E-042	B/4	Rear Oxygen Sensor
E-043	B/1	Oil Pressure Switch

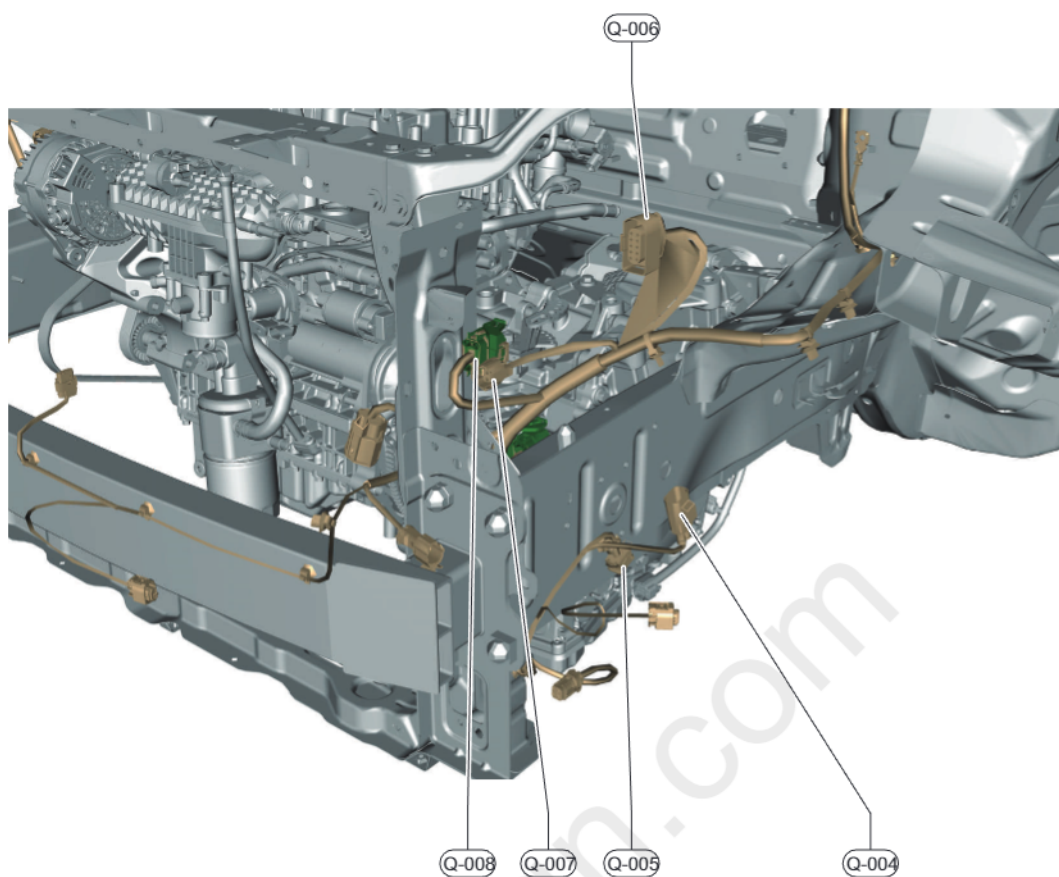
Front Bumper Wire Harness



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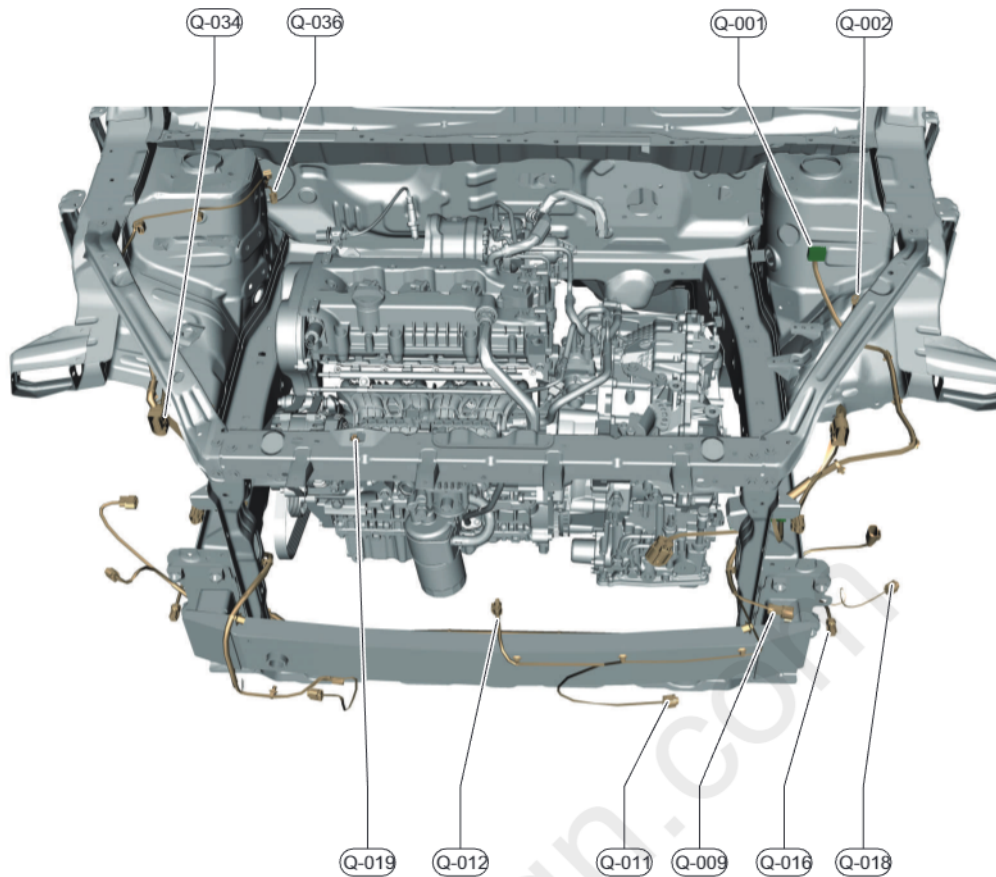
Connector Code	Connector Color/Pin	Connector Name
Q-014	-	Ground G102
Q-015	B/26	Front Bumper Wire Harness to Instrument Panel Wire Harness 1
Q-020	Gr/2	High Pitched Horn 2
Q-023	B/3	Front Right Center Sensor
Q-025	B/4	Boost Pressure Sensor
Q-026	B/2	Outside Temperature Sensor
Q-027	-	Ground G101
Q-028	B/4	Right Daytime Running Light
Q-030	B/3	Front Right Sensor
Q-032	Gr/2	Washer Motor
Q-033	Br/3	Primary Pressure Snr



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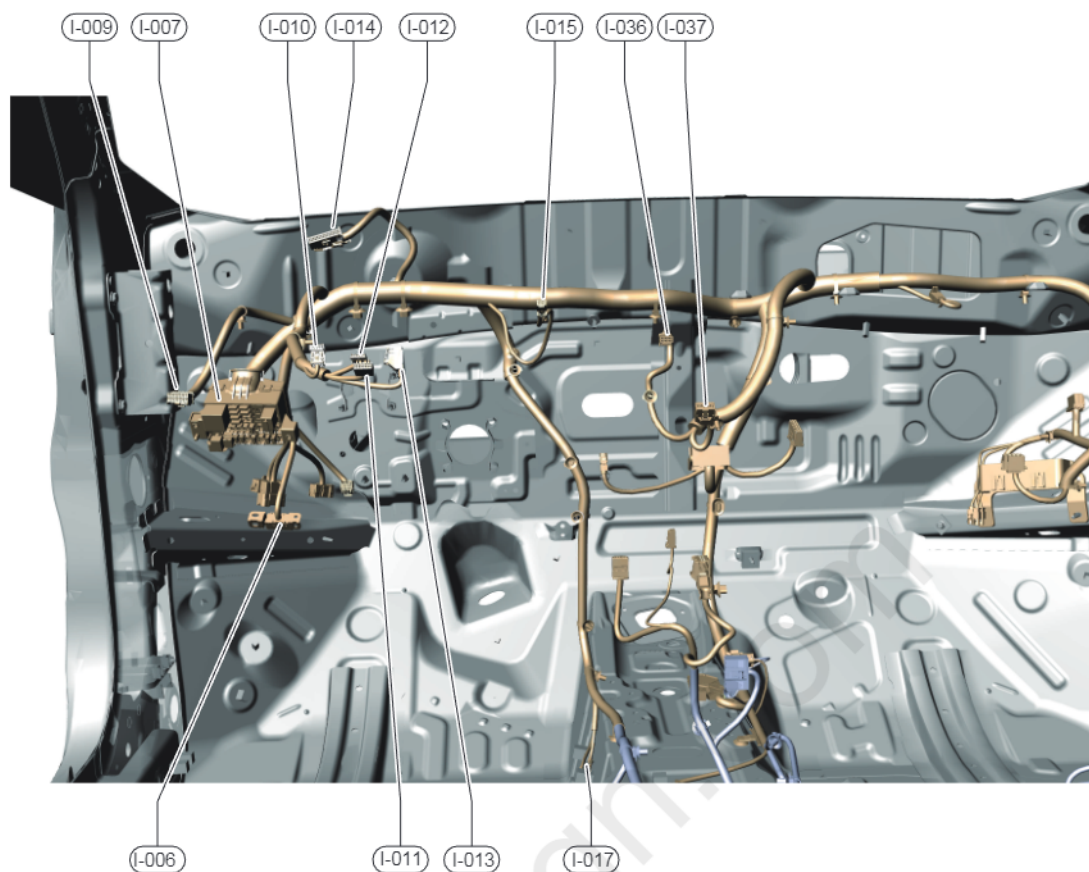
Connector Code	Connector Color/Pin	Connector Name
Q-004	B/2	Vacuum pump
Q-005	B/2	Theft deterrent horn
Q-006	B/10	Left Headlight
Q-007	Gr/2	High Pitched Horn 1
Q-008	B/26	Front Bumper Wire Harness to Instrument Panel Wire Harness 2



EWD037001

Connector Code	Connector Color/Pin	Connector Name
Q-001	B/14	Engine Compartment Fuse and Relay Box-C
Q-002	B/1	Central Fuse and Relay Box-Fan (PWM)
Q-009	B/3	Cooling Fan
Q-011	B/3	Front Left Center Radar Sensor
Q-012	B/4	Front camera
Q-016	B/4	Left Daytime Running Light
Q-018	B/3	Front Left Sensor
Q-019	W/3	Engine compartment contact switch
Q-034	B/10	Right Headlight
Q-036	B/2	Front Right Wheel Speed Sensor

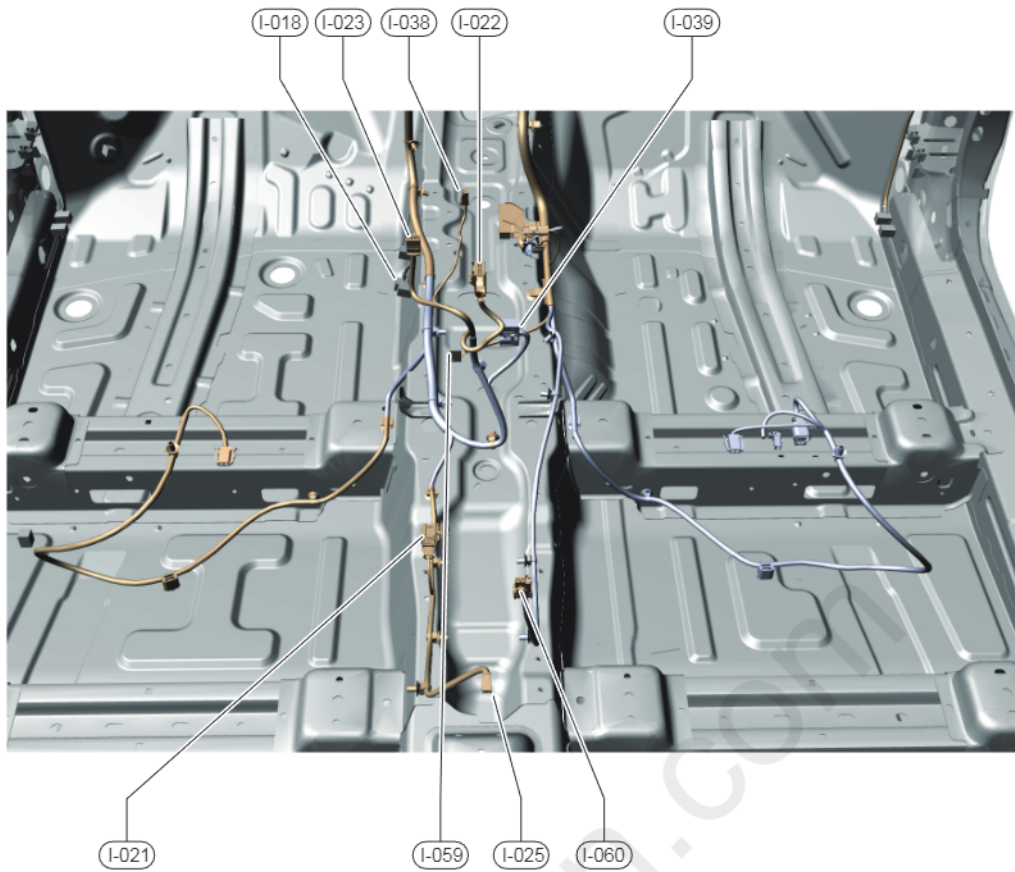
Instrument Panel Wire Harness



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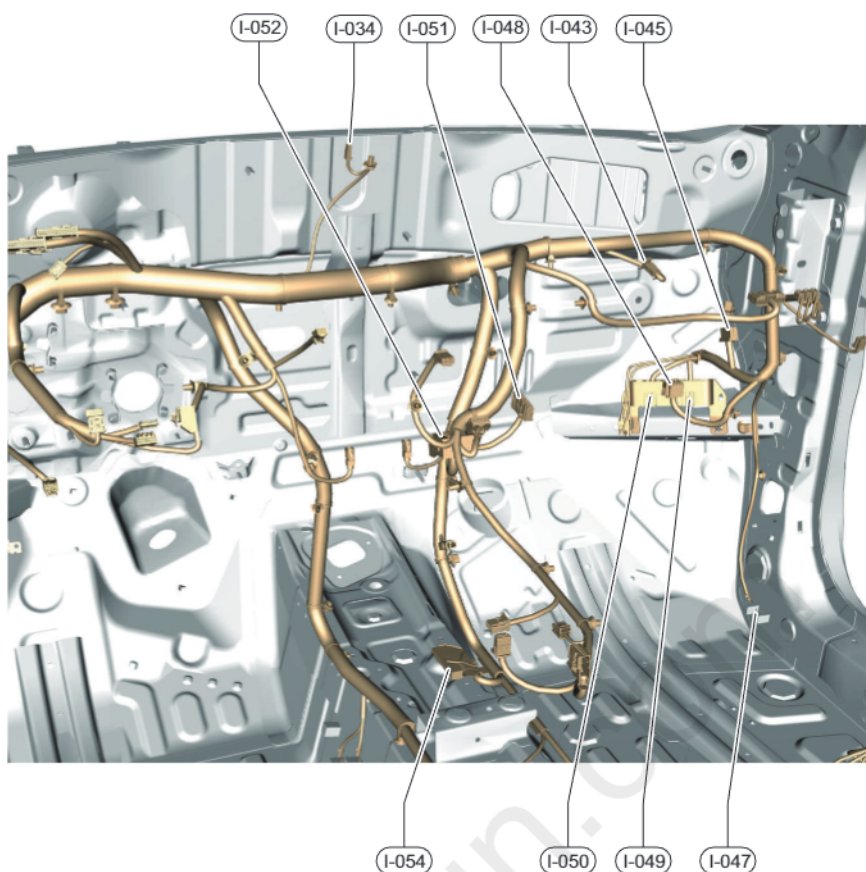
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Connector Code	Connector Color/Pin	Connector Name
I-006	B/16	Diagnostic Interface
I-007	-	Instrument Fuse and Relay Box
I-009	B/20	Adjustment Switch Assembly
I-010	B/10	Combination Switch-Light
I-011	W/16	Spiral Cable
I-012	B/6	Angle Sensor
I-013	B/10	Wiper Switch
I-014	L/32	Instrument Cluster
I-015	W/8	Ignition Switch
I-017	-	Ground G502
I-036	W/12	Center Console Switch Assembly
I-037	Br/16	A/C Control Panel
I-008	B/2	Speaker
I-019	B/2	Steering Wheel Heater
I-035	W/40	GLONASS



EWD039001

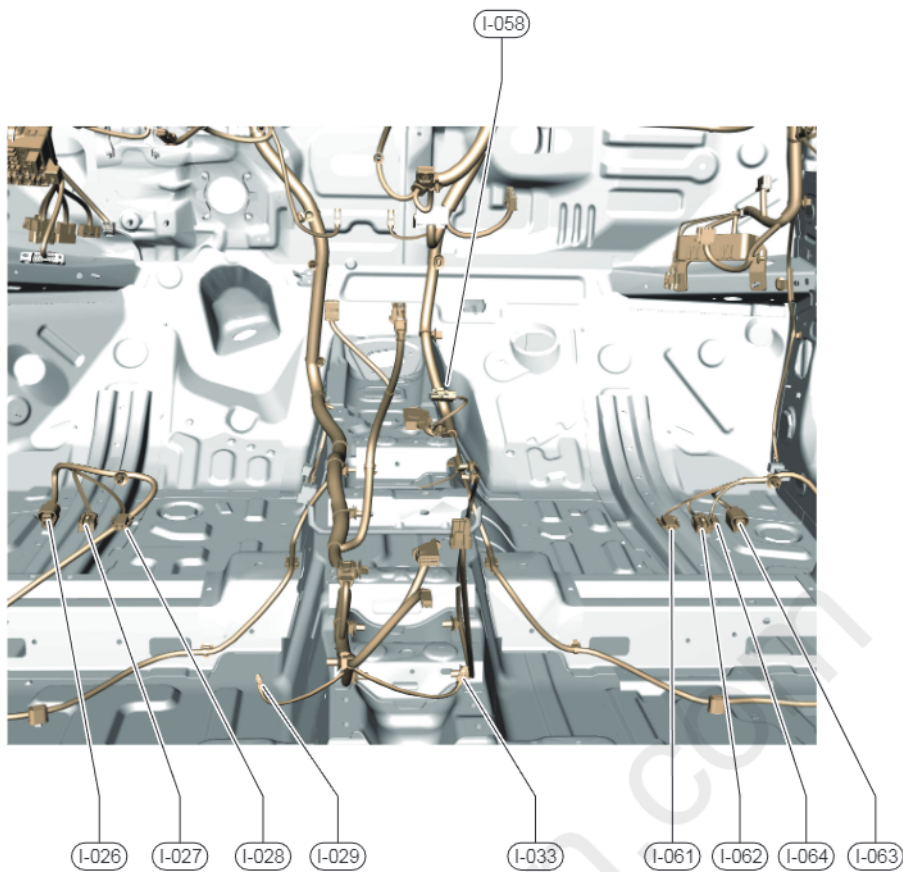
Connector Code	Connector Color/Pin	Connector Name
I-018	-	Ground G503
I-021	Gr/2	Anti-theft Coil DCT
I-022	Br/16	Auxiliary Fascia Console Switch Assembly
I-023	W/12	EPB Switch
I-025	W/2	USB Charging Module
I-038	W/11	Gear backlight (CVT25)
I-039	W/11	Gearshift mechanism (CVT25)
I-059	-	Ground G504
I-060	B/2	Back-up Power Supply 2
I-024	B/10	Seat Heating Switch



EWD040001

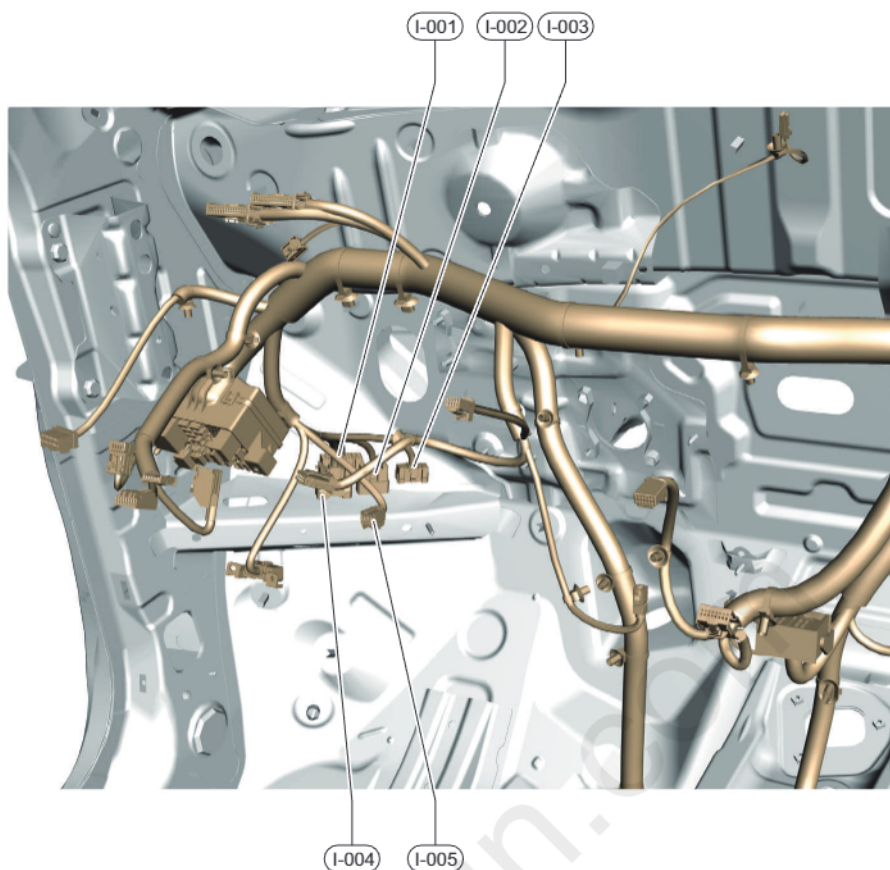
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Connector Code	Connector Color/Pin	Connector Name
I-034	B/4	Solar Sensor
I-043	Y/2	Front Passenger Airbag
I-045	B/20	Center Gateway
I-047	-	Ground G501
I-048	Cyan/22	Instrument Wire Harness to Auto A/C Wire Harness
I-049	W/16	Instrument Wire Harness to Instrument Panel Wire Harness 3
I-050	W/14	Instrument Wire Harness to Instrument Panel Wire Harness 4
I-051	W/40	PEPS
I-052	B/40	Audio Head Unit-B
I-054	O/22	Instrument Wire Harness to Auto A/C Wire Harness



EWD041001

Connector Code	Connector Color/Pin	Connector Name
I-026	Y/2	Driver Side Airbag
I-027	B/6	Front Seat Heating
I-028	B/2	Driver Seat Belt Switch
I-058	B/2	Front Low Frequency Antenna
I-061	B/2	Front Right Seat Belt Switch
I-062	B/6	Front Right Seat Heating
I-063	Y/2	Front Right Side Airbag
I-064	B/2	Front Occupant Detection
I-029	B/6	Middle Front Left Sea Heating
I-033	B/6	Middle Front Right Sea Heating

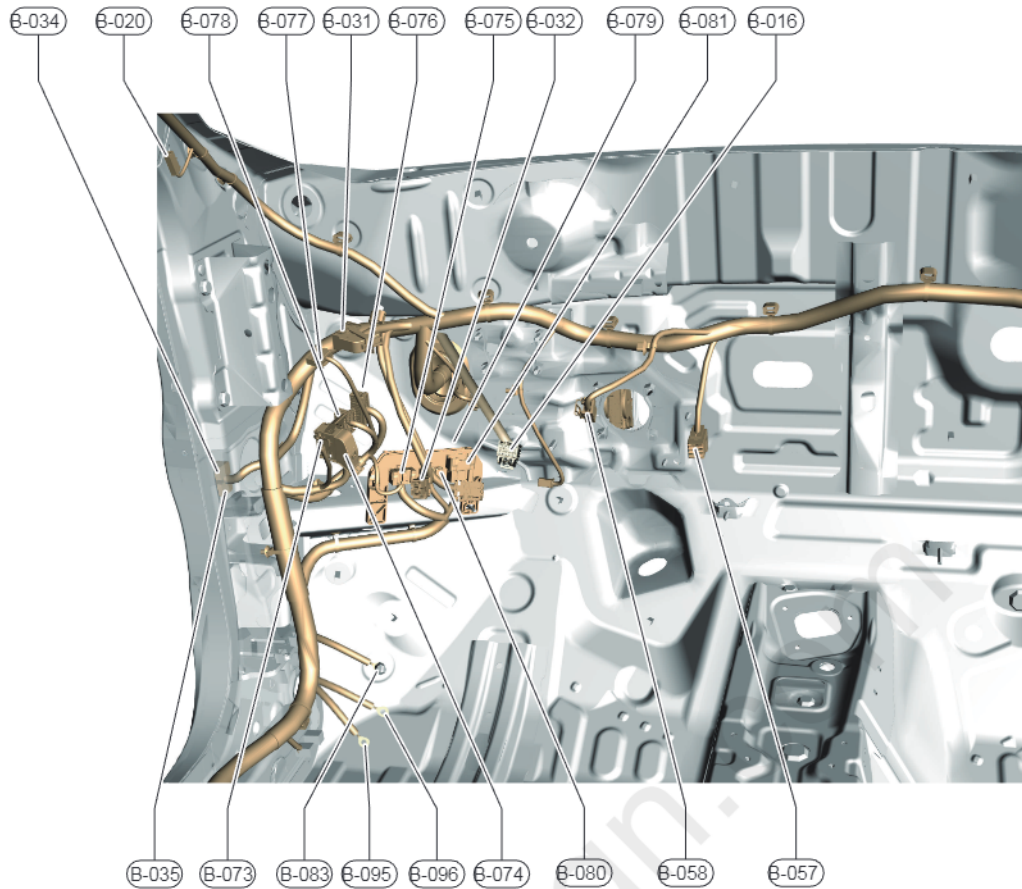


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Connector Code	Connector Color/Pin	Connector Name
I-001	W/40	Instrument Wire Harness to Instrument Panel Wire Harness 1
I-002	W/16	Instrument Wire Harness to Instrument Panel Wire Harness 6
I-003	B/26	Instrument Wire Harness to Instrument Panel Wire Harness 2
I-004	W/26	Instrument Wire Harness to Instrument Panel Wire Harness 5
I-005	B/10	Electronic Power Steering

Body Wire Harness

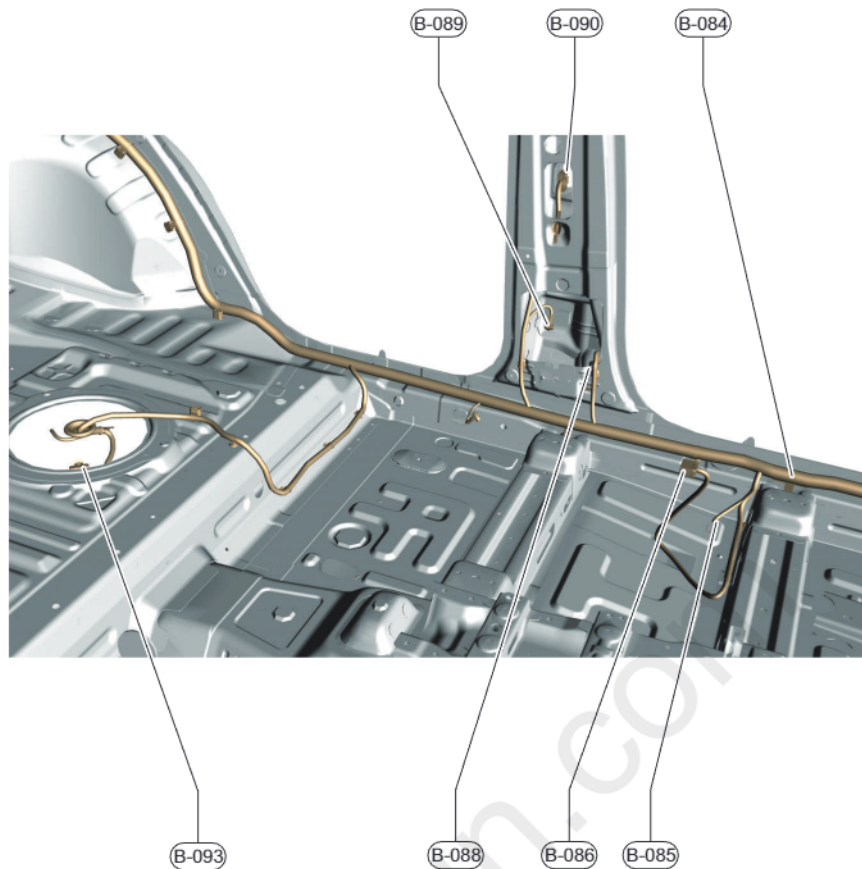


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Connector Code	Connector Color/Pin	Connector Name
B-020	W/40	Central Fuse and Relay Box-H
B-031	B-031	B/52
B-032	B-032	B/2
B-034	W/18	Instrument Panel Wire Harness to Front Left Door Wire Harness A
B-035	W/18	Instrument Panel Wire Harness to Front Left Door Wire Harness B
B-057	B/6	Electronic Accelerator Pedal
B-058	B/4	Brake Switch
B-073	-	IP BOX-A
B-074	B/14	BCM 3
B-075	w/16	Instrument Panel Wire Harness to Instrument Wire Harness 6
B-076	W/20	BCM 5
B-077	W/24	BCM 2
B-078	W/12	BCM 4

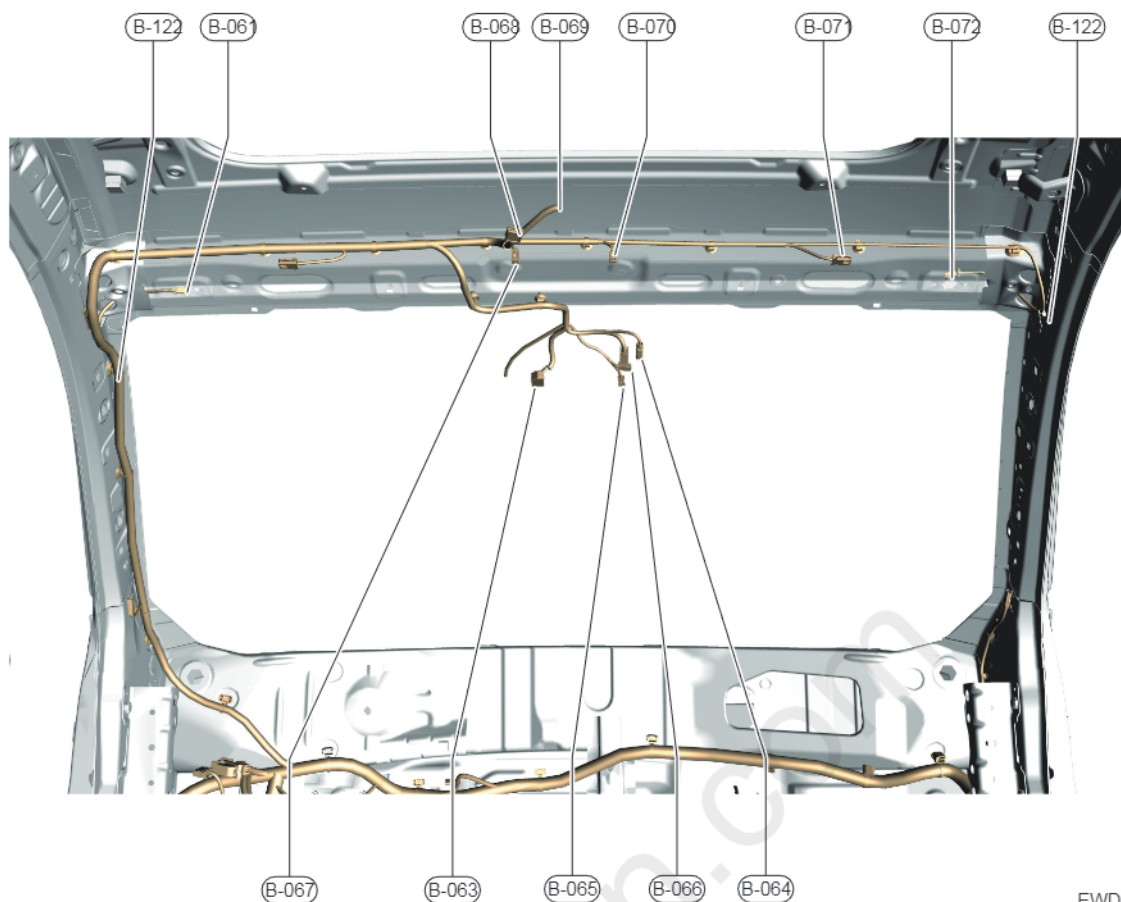
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Connector Code	Connector Color/Pin	Connector Name
B-079	W/40	Instrument Panel Wire Harness to Instrument Wire Harness 1
B-080	W/26	Instrument Panel Wire Harness to Instrument Wire Harness 5
B-081	B/26	Instrument Panel Wire Harness to Instrument Wire Harness 2
B-016	B/56	TCU
B-083	-	Ground G605
B-095	-	Ground G612
B-096	-	Ground G611



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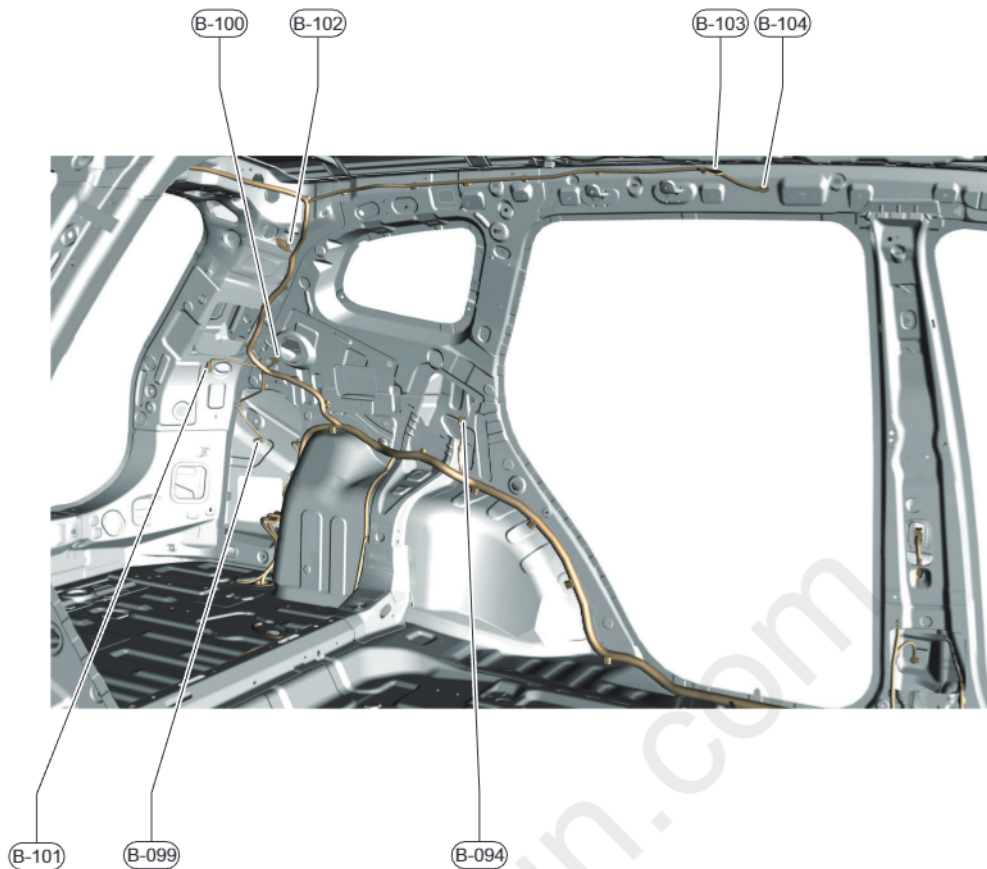
Connector Code	Connector Color/Pin	Connector Name
B-084	W/2	Left door scuff plate light
B-085	-	Ground G607
B-086	B/5	Seat Assembly
B-088	Y/2	Driver Side Collision Sensor
B-089	Y/2	Front Left Seat Belt Pretensioner
B-090	W/16	Instrument Panel Wire Harness to Rear Left Door Wire Harness
B-093	B/5	Oil Pump 2



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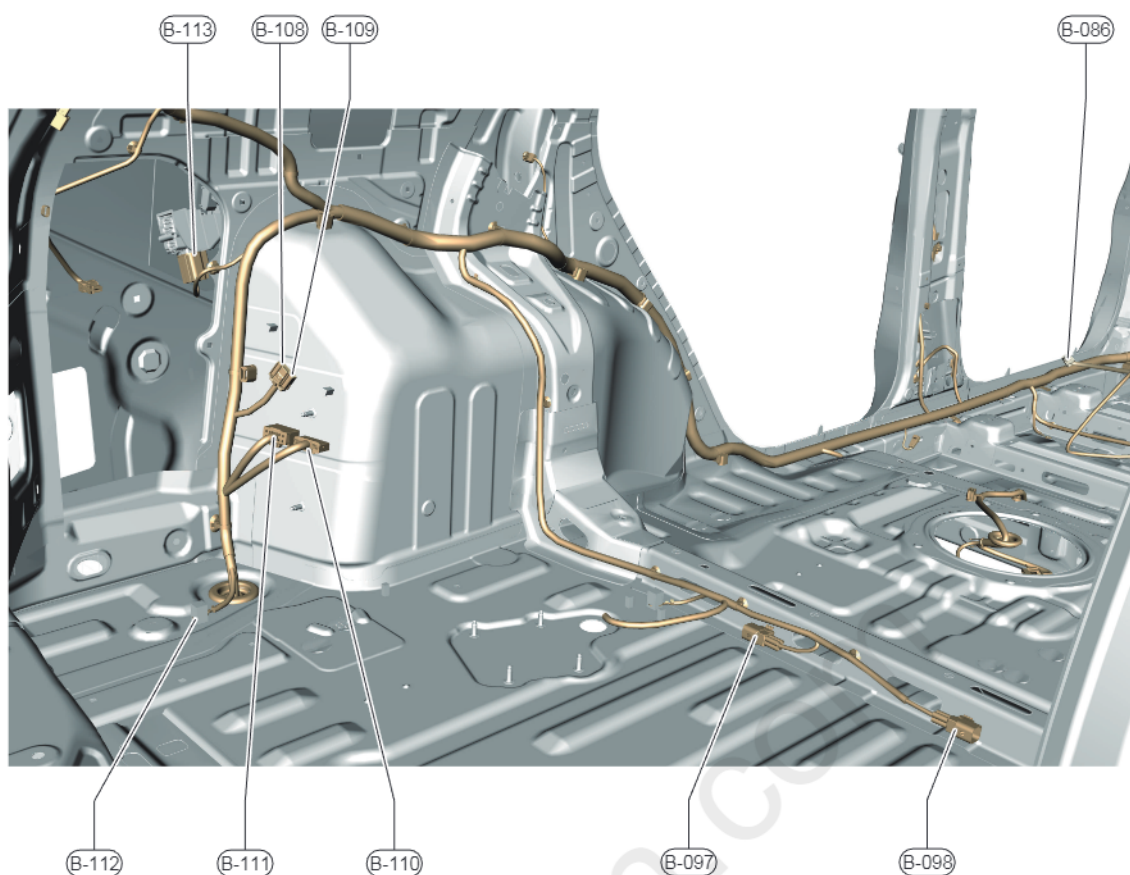
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Connector Code	Connector Color/Pin	Connector Name
B-061	W/2	Left vanity mirror light switch
B-063	B/6	Front dome light
B-064	B/10	SOS switch
B-065	B/3	Solar and Rain Sensor
B-066	B/3	Optical sensor
B-067	W/2	Microphone
B-068	W/10	Front Dome Light
B-069	Gr/14	Sunroof
B-070	W/2	Microphone 2
B-071	W/2	Right vanity mirror light
B-072	W/2	Right vanity mirror light switch
B-116	B/1	Windshield Heater 1 (1)
B-122	B/1	Windshield Heater 2 (-)



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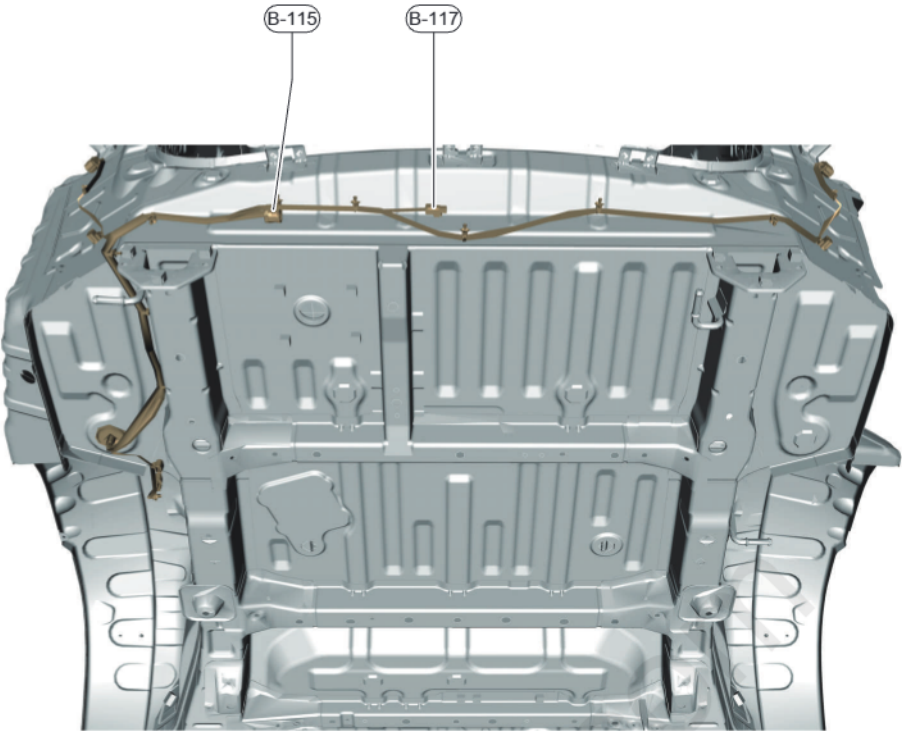
Connector Code	Connector Color/Pin	Connector Name
B-094	Y/2	Rear Left Seat Belt Pretensioner
B-099	B/2	Third Row Back-up Power Supply
B-100	B/2	Left rear speaker
B-101	W/6	Rear Left Combination Light (Fixed Part)
B-102	B/10	Power Support
B-103	L/3	Center Left Dome Light
B-104	Y/2	Driver Curtain Shield Airbag



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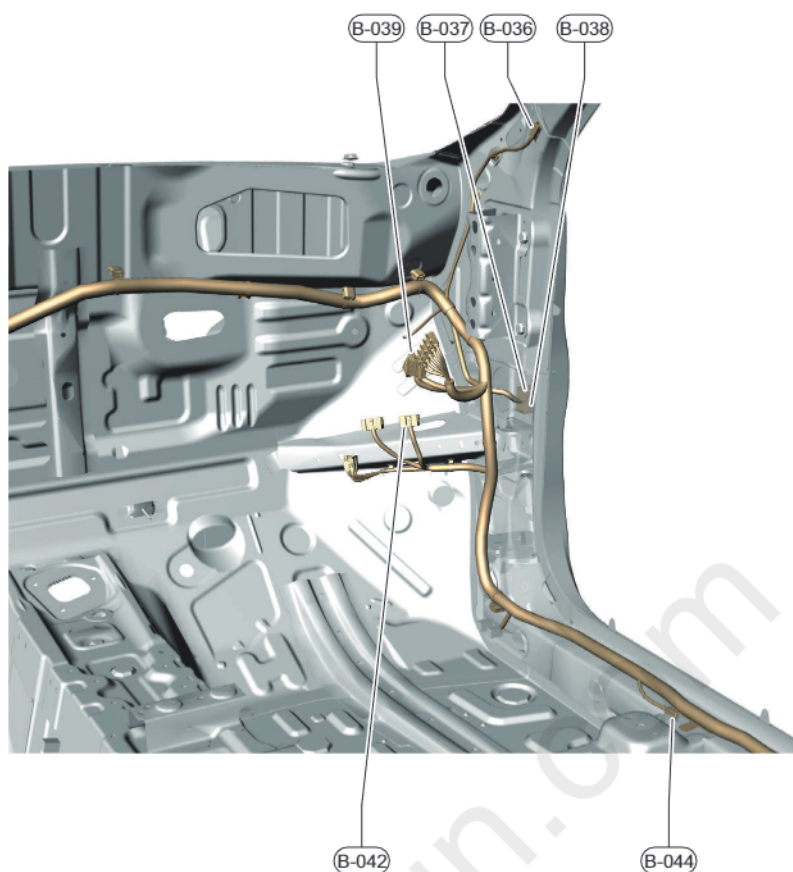
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Connector Code	Connector Color/Pin	Connector Name
B-086	B/5	Seat Assembly
B-097	B/4	EPB Left Motor + Wheel Speed
B-098	B/4	EPB Right Motor + Wheel Speed
B-108	W/24	Reversing Radar Module
B-109	W/16	Reversing radar module (front 0, rear 4)
B-110	W/32	PLGM module 2
B-111	Gr/14	PLGM module 1
B-112	-	Ground G608
B-113	B/2	Electrical fuel tank cap



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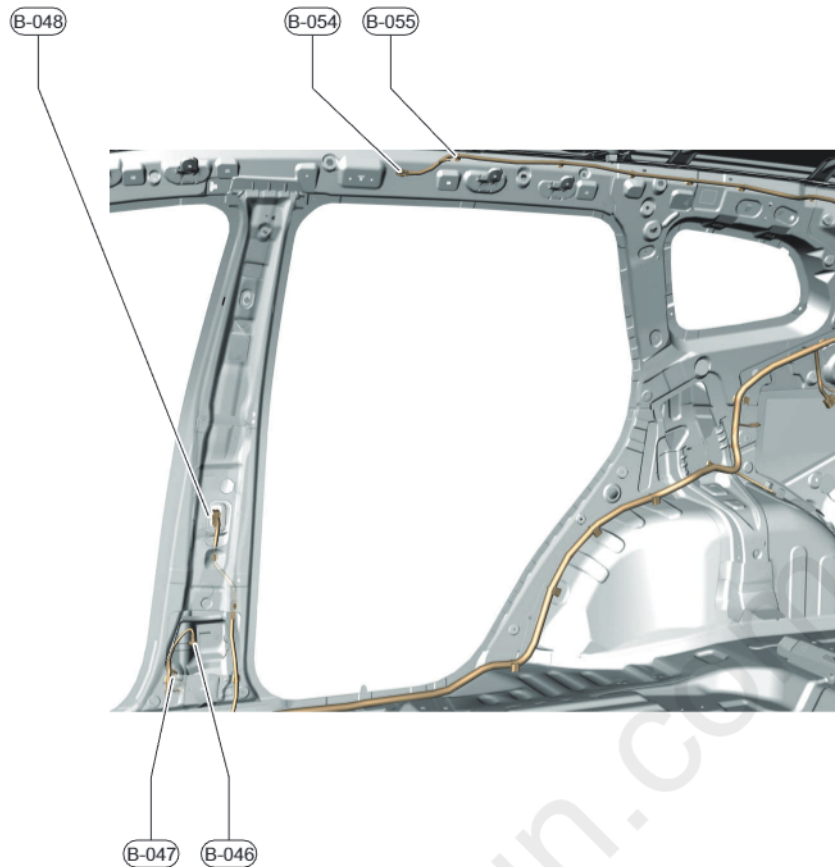
Connector Code	Connector Color/Pin	Connector Name
B-115	W/10	Instrument Panel Wire Harness to Rear Bumper Wire Harness
B-117	B/2	Low Frequency Antenna-4



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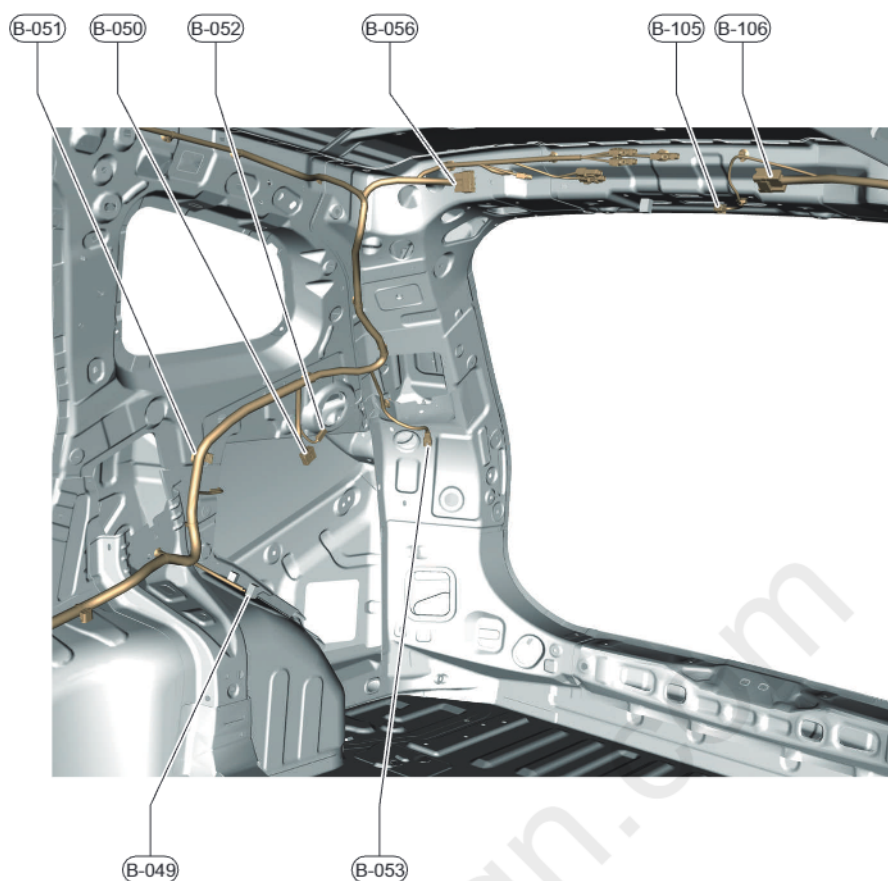
Connector Code	Connector Color/Pin	Connector Name
B-036	B/2	Right Tweeter
B-037	W/18	Instrument Panel Wire Harness to Front Right Door Wire Harness B
B-038	W/18	Instrument Panel Wire Harness to Front Right Door Wire Harness A
B-039	W/40	360 camera module
B-042	W/16	Instrument Panel Wire Harness to Instrument Wire Harness 3
B-044	W/2	Right door scuff plate Light



EWD049001

Connector Code	Connector Color/Pin	Connector Name
B-046	B/2	Front Right Seat Belt Pretensioner
B-047	Y/2	Occupant Side Collision Sensor
B-048	W/16	Instrument Panel Wire Harness to Rear Right Door Wire Harness
B-054	Y/2	Front Occupant Curtain Shield Airbag
B-055	W/3	Center Right Dome Light

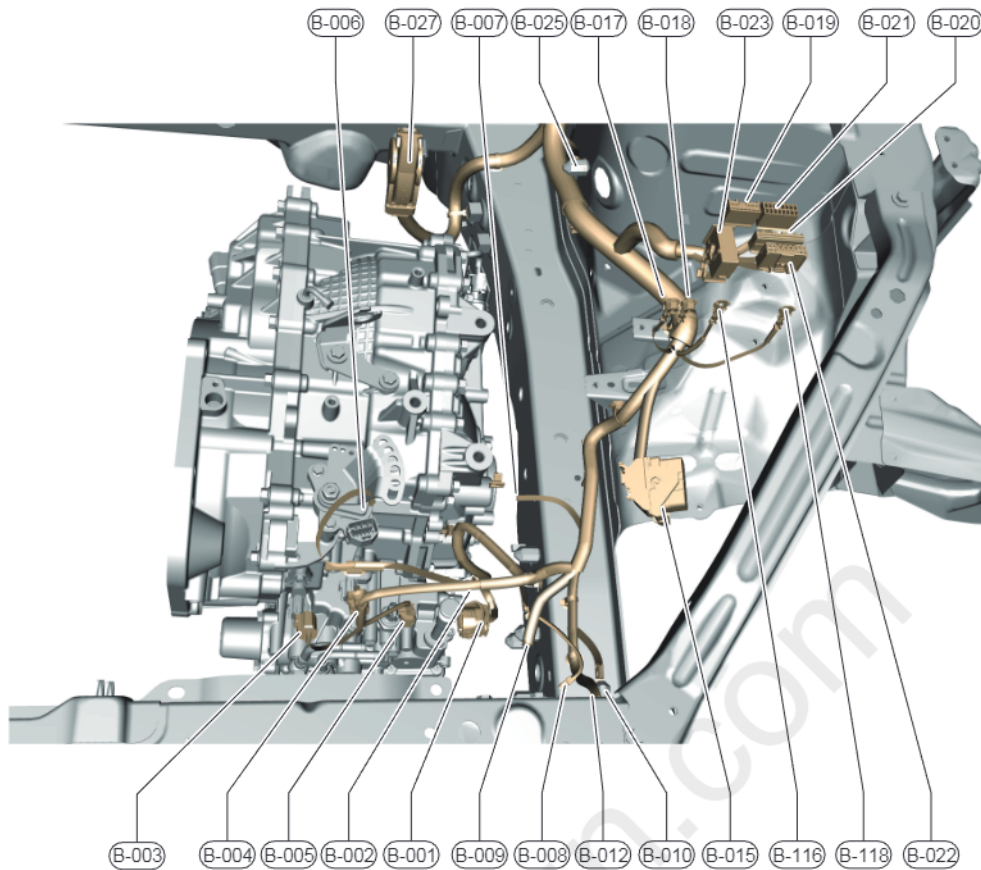
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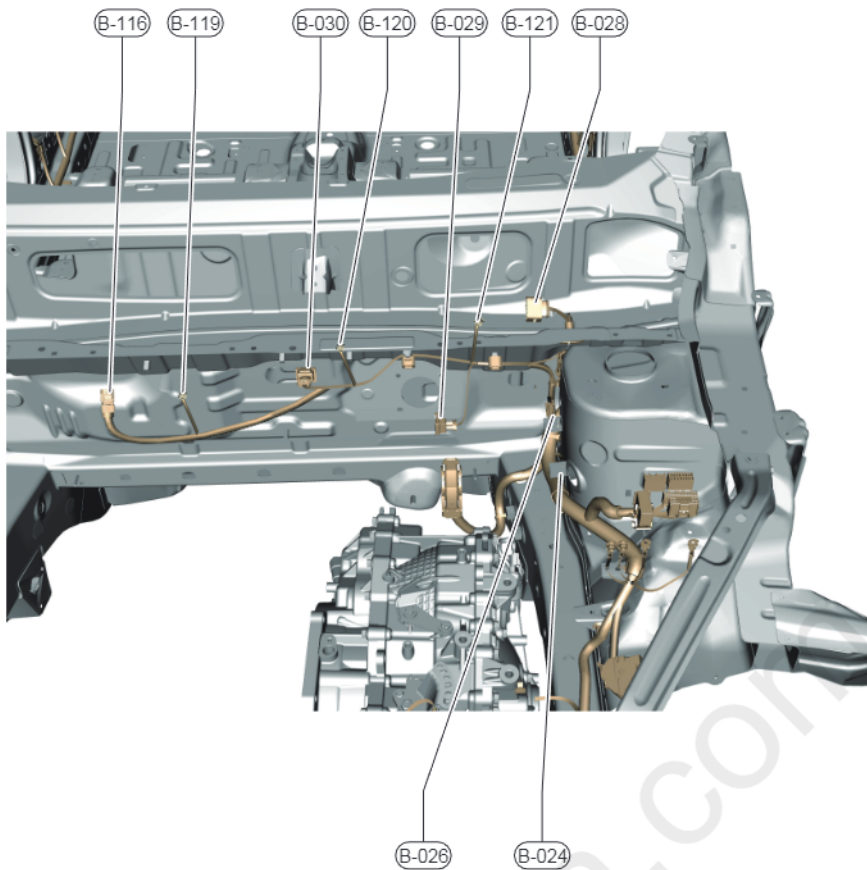
Connector Code	Connector Color/Pin	Connector Name
B-049	-	Ground G609
B-050	Br/5	Inside Rear Evaporator Wire Harness to Auto A/C (Rear) Wire Harness
B-051	B/6	Rear Speed Regulation Panel
B-052	B/2	Right rear speaker
B-053	W/6	Rear Right Combination Light (Fixed Part)
B-056	W/16	Instrument Panel Wire Harness to Right Back Door Wire Harness
B-105	W/3	Rear Dome Light
B-106	W/26	Instrument Panel Wire Harness to Left Back Door Wire Harness



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Connector Code	Connector Color/Pin	Connector Name
B-001	B/24	Transmission insert
B-002	B/6	To transmission peripheral wiring harness
B-003	B/3	First shaft speed sensor
B-004	B/3	First shaft oil pressure sensor
B-005	B/3	Turbo speed sensor
B-006	B/10	Gear switch
B-007	B/26	Instrument Panel Wire Harness to Engine Wire Harness
B-008	-	Ground G604
B-009	B/20	Instrument Panel Wire Harness to Front Bumper Wire Harness 1
B-012	B/20	Instrument Panel Wire Harness to Front Bumper Wire Harness 2
B-015	B/64	ECU-B
B-017	-	Central Fuse and Relay Box-IP BOX
B-018	-	Central Fuse and Relay Box-EPS
B-019	W/12	Central Fuse and Relay Box-D
B-020	W/16	Central Fuse and Relay Box-E
B-021	W/12	Central Fuse and Relay Box-J

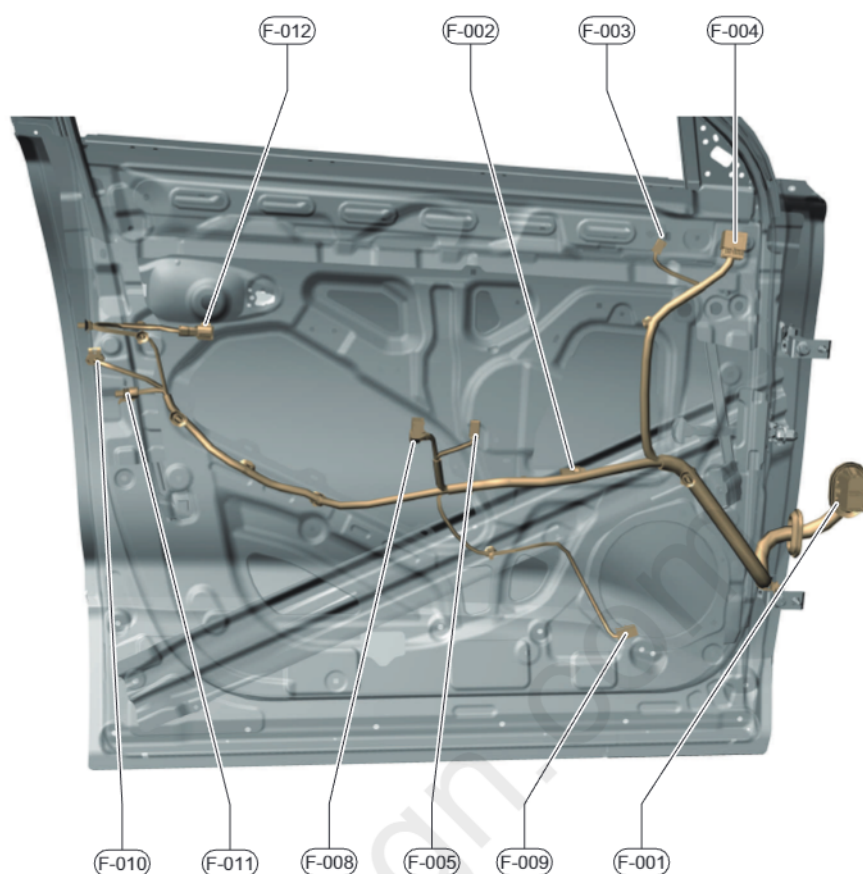
Connector Code	Connector Color/Pin	Connector Name
B-022	B/14	Central Fuse and Relay Box-G
B-023	B/46	EPB Module
B-027	B/64	ECU-B
B-116	B/1	Windshield heater 1 (-)
B-118	B/1	Windshield heater 1 (+)
B-010	-	Ground G602
B-025	-	Ground G601



EWD052001

Connector Code	Connector Color/Pin	Connector Name
B-024	-	Ground G603
B-026	B/2	Front Left Wheel Speed Sensor
B-028	B/4	Front Wiper Motor
B-029	B/2	Brake Fluid Level Sensor
B-030	Br/3	Absolute Brake Vacuum Sensor
B-116	-	Windshield Heater 1 (+)
B-119	B/4	Front Nozzle Heater 2
B-120	B/2	Front Nozzle Heater 1
B-121	Br/3	Windshield Heater 2 (+)

Front Left Door Wire Harness

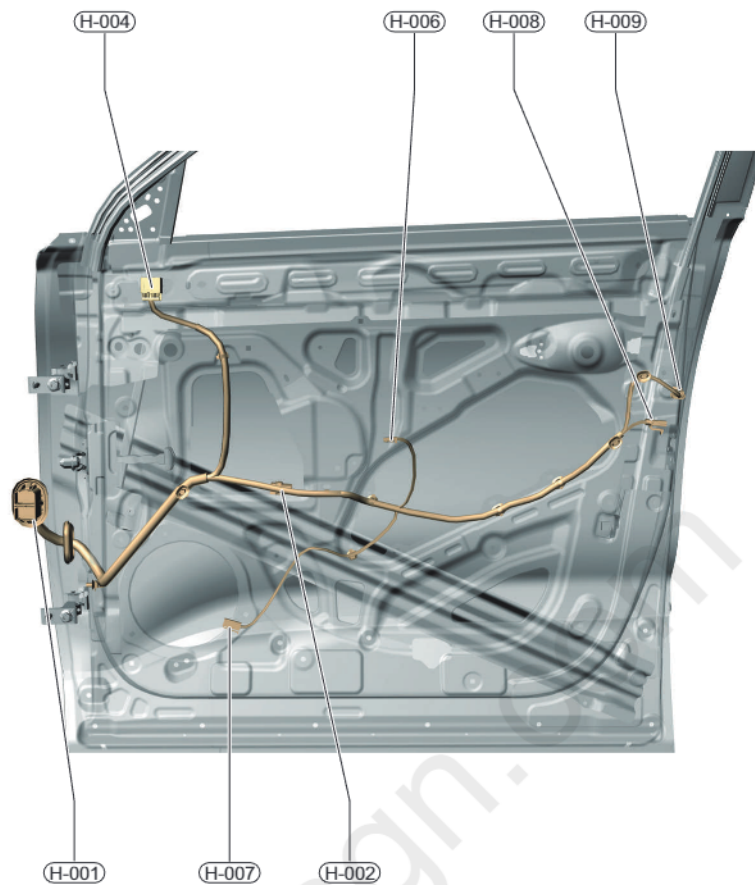


EWD055001

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Connector Code	Connector Color/Pin	Connector Name
F-001	W/36	Front Left Door Wire Harness to Instrument Panel Wire Harness
F-002	Br/2	Front Left Door Power Glass Regulator
F-003	B/4	Central Lock Switch
F-004	W/16	Rear View Mirror Interface
F-005	W/8	Outside Rear View Mirror Adjustment Switch
F-008	Br/16	Four Door Glass Regulator Switch
F-009	B/2	Front Left Woofer
F-010	B/4	Front Left Door Lock Motor
F-011	B/4	Multi-function Switch
F-012	B/2	Left Front Door Handle Sensor

Front Right Door Wire Harness

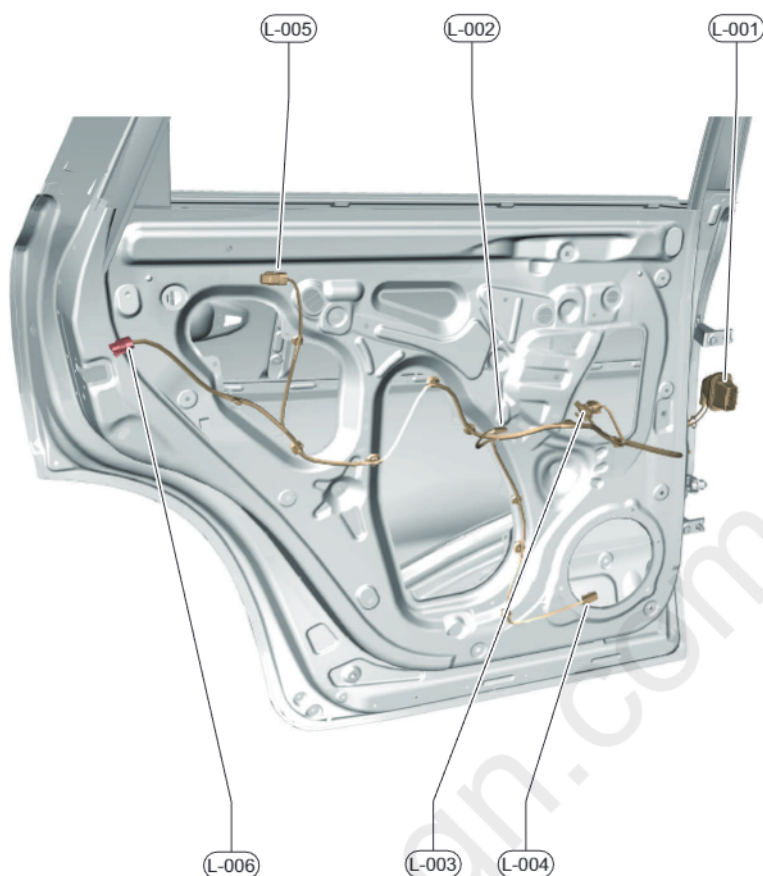


EWD056001

Connector Code	Connector Color/Pin	Connector Name
H-001	W/36	Front Right Door Wire Harness to Instrument Panel Wire Harness
H-002	Br/2	Front Right Door Power Glass Regulator
H-004	W/16	Rear View Mirror Interface
H-006	Br/4	Right Front Door Glass Regulation Switch
H-007	B/2	Front Right Woofer
H-008	B/4	Front Right Door Lock Motor
H-009	B/2	Front Right Door Handle Sensor

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Rear Left Door Wire Harness

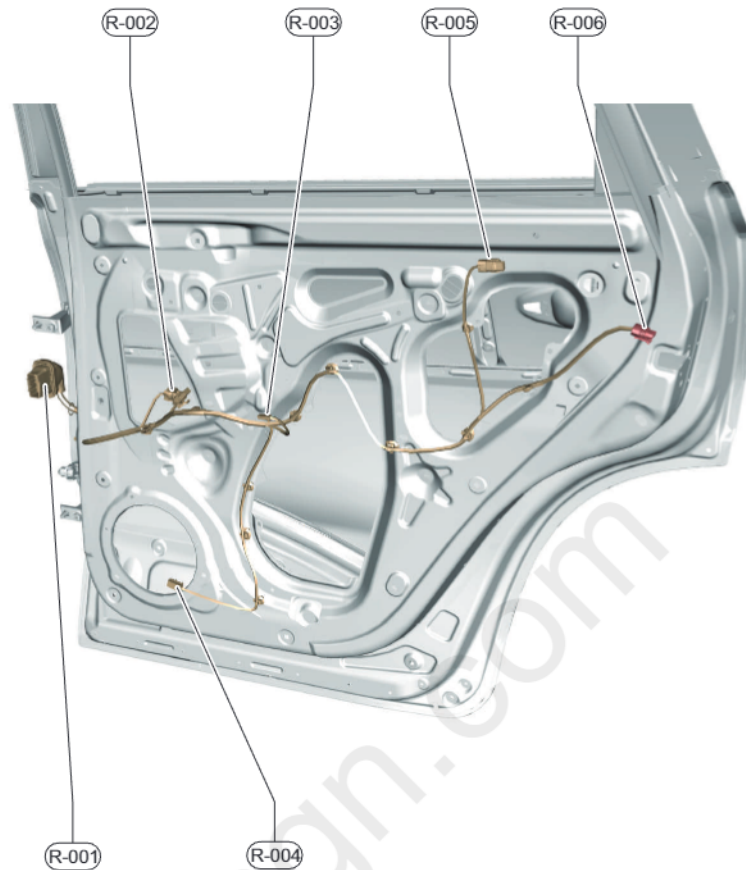


EWD057001

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Connector Code	Connector Color/Pin	Connector Name
L-001	W/16	to Body Wire Harness Connector
L-002	B/2	Rear Left Door Power Glass Regulator
L-003	B/4	Left Rear Door Glass Regulation Switch
L-004	B/2	Rear Left Woofer
L-005	B/2	Rear Left PEPS Antenna
L-006	B/4	Rear Left Door Lock Motor

Rear Right Door Wire Harness

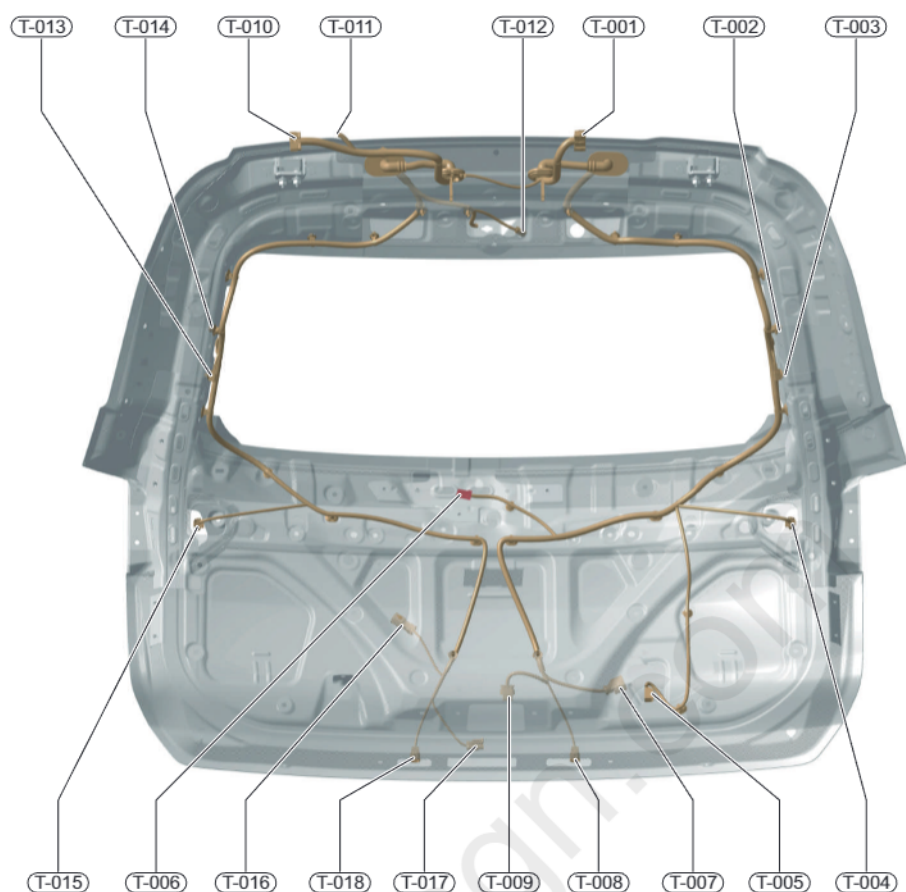


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Connector Code	Connector Color/Pin	Connector Name
R-001	W/16	to Body Wire Harness Connector B-003
R-002	B/2	Rear Right Door Power Glass Regulator
R-003	B/2	Rear Right Door Glass Regulation Switch
R-004	B/2	Rear Right Woofer
R-005	B/2	Rear Right PEPS Antenna
R-006	B/4	Rear Right Door Lock Motor

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Back Door Wire Harness



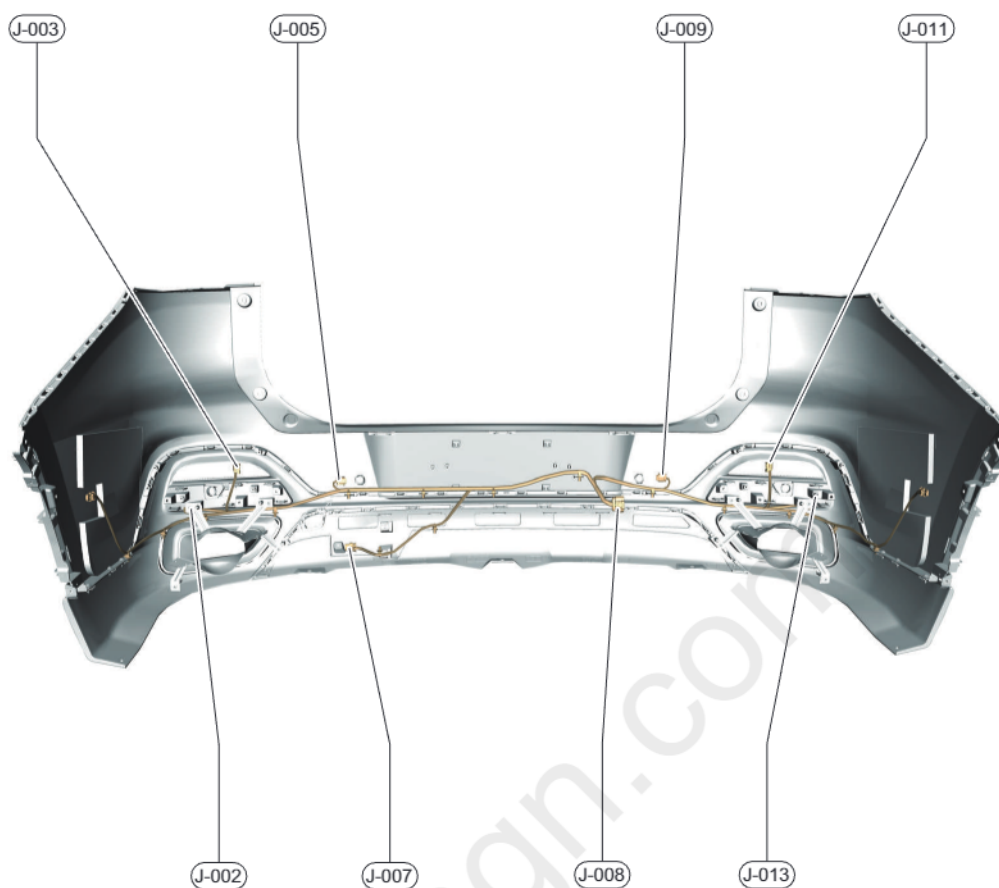
EWD059001

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Connector Code	Connector Color/Pin	Connector Name
T-001	W/26	to Body Wire Harness Connector B-084
T-002	B/1	Rear Defroster Positive
T-003	W/2	LEFT PINCH STRIP SENSOR
T-004	W/4	Rear Left Combination Light (Movable Part)
T-005	B/6	BACK DOOR CLOSE SWITCH
T-006	W/3	Rear Wiper Motor
T-007	B/6	SELF-PRIMING FASTENER
T-008	B/2	Rear Left License Plate Light
T-009	B/4	Back Door Lock
T-010	W/16	Right Back Door Wire Harness to Instrument Panel Wire Harness B-056
T-011	-	Ground G701
T-012	W/2	High Mounted Stop Light
T-013	W/2	RIGHT PINCH STRIP SENSOR
T-014	B/1	Rear Defroster Negative
T-015	W/4	Rear Right Combination Light (Movable Part)

Connector Code	Connector Color/Pin	Connector Name
T-016	B/4	Camera
T-017	B/2	Back Door Opener Switch
T-018	B/2	Rear Right License Plate Light

Rear Bumper Wire Harness

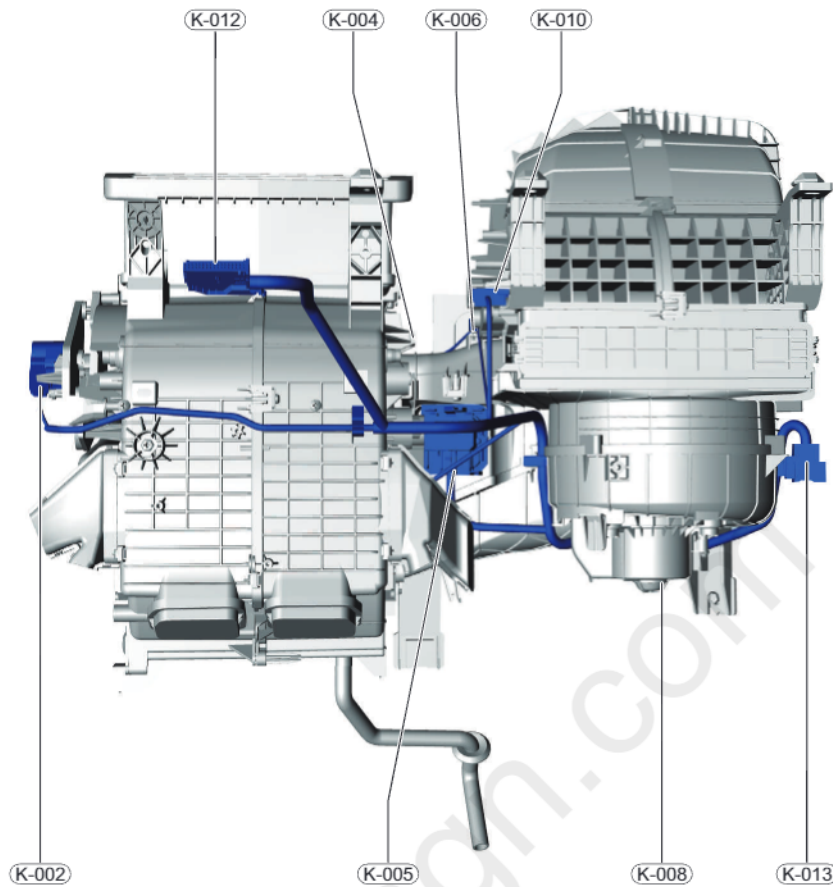


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Connector Code	Connector Color/Pin	Connector Name
J-002	B/2	Rear Right Fog Light
J-003	B/3	Rear Right Sensor
J-005	B/3	Rear Right Center Sensor
J-007	B/4	KICK SENSOR
J-008	B/12	Rear Bumper Wire Harness to Instrument Panel Wire Harness
J-009	B/3	Rear Left Center Sensor
J-011	B/3	Rear Left Sensor
J-013	B/2	Rear Left Fog Light

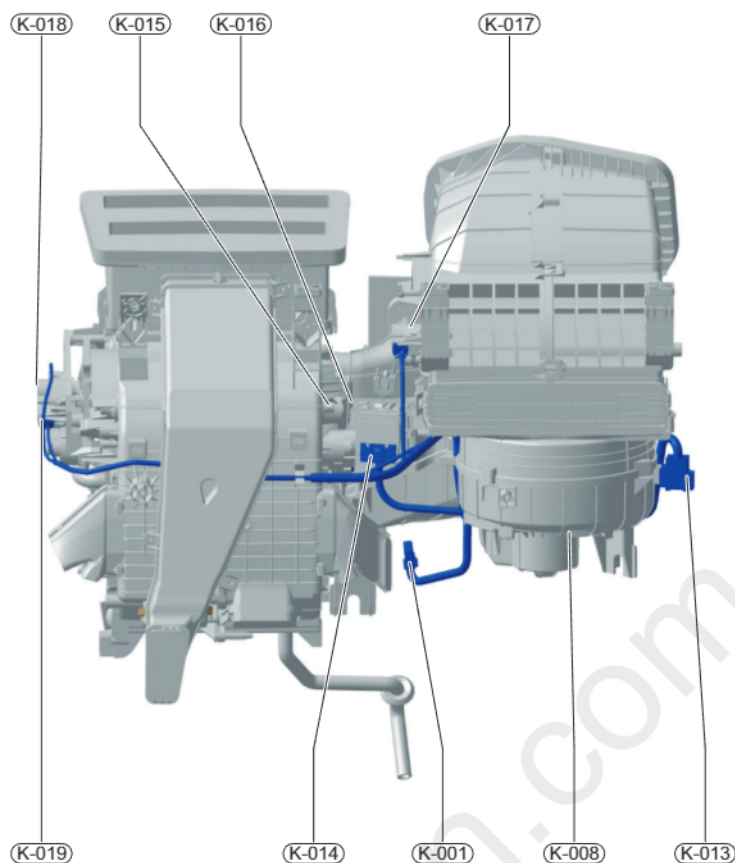
Electrical A/C System Wire Harness



EWD061001

Connector Code	Connector Color/Pin	Connector 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

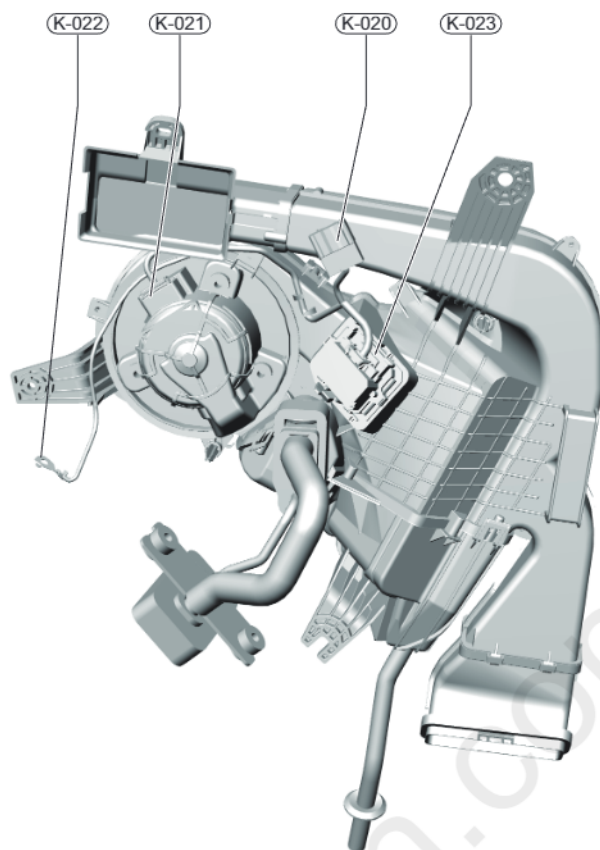
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EWD062001

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Connector Code	Connector Color/Pin	Connector Name
K-001	W/40	Auto A/C Control Module
K-008	B/2	Blower
K-013	Lg/22	to Instrument Wire Harness Interface
K-014	B/6	Speed Regulation Module
K-015	B/6	Right Mix Damper Motor
K-016	W/2	Evaporator Tank Temperature Sensor
K-017	B/6	Inner/Outer Circulation Motor
K-018	B/6	Left Mix Damper Motor
K-019	B/6	Mode Damper Motor

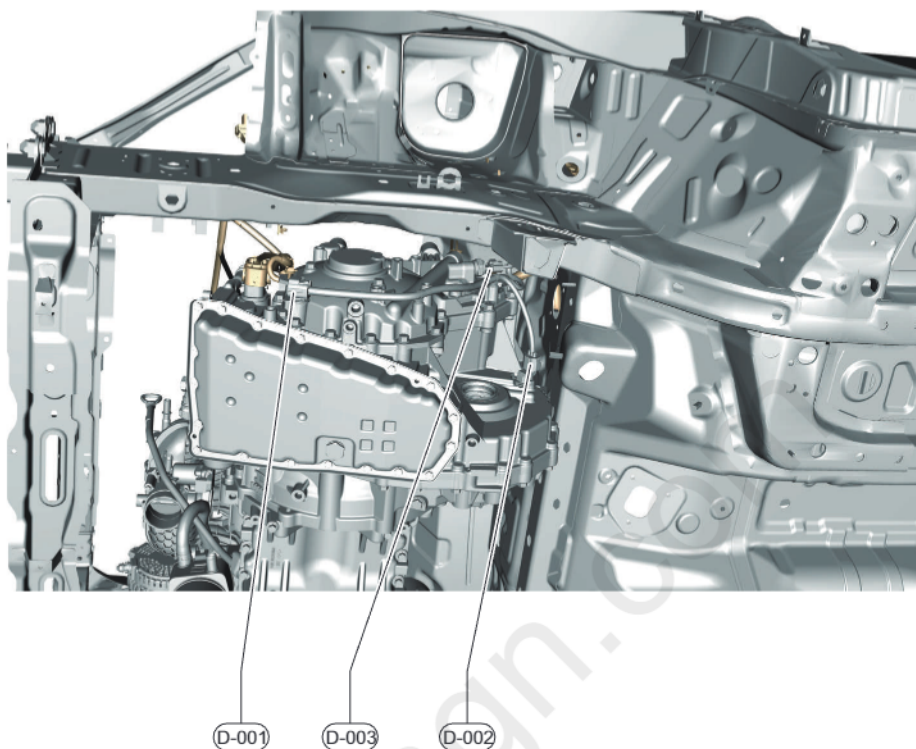


EWD063001

Connector Code	Connector Color/Pin	Connector Name
K-020	B/5	Auto A/C (Rear) Wire Harness to Inside Rear Evaporator Wire Harness
K-021	B/2	Rear Blower
K-022	-	Body Ground
K-023	B/6	Rear Blower Speed Regulation Module

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DCT Transmission Wiring Harness

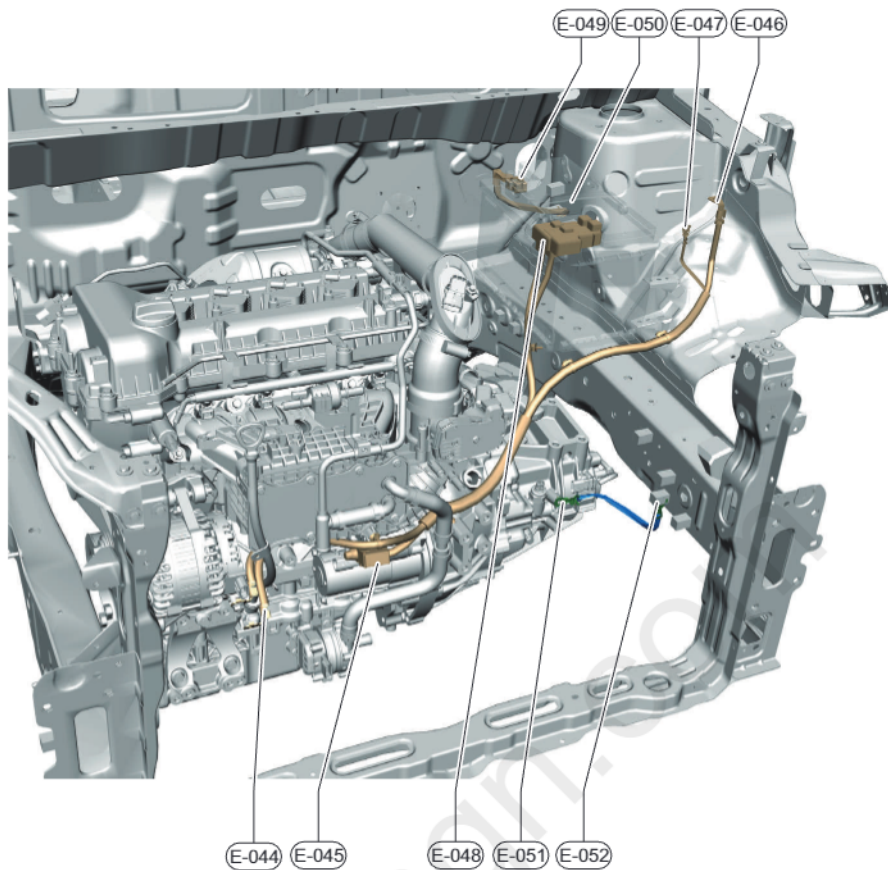


EWD064001

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Connector Code	Connector Color/Pin	Connector Name
D-001	B/6	To interior wiring harness B-002
D-002	B/3	Second shaft speed sensor
D-003	B/3	Second shaft oil pressure sensor

Battery/Ground Wire Harness



EWD065001

Connector Code	Connector Color/Pin	Connector Name
E-044	B/1	Alternator
E-045	B/1	Starter
E-046	B/1	Central Fuse and Relay Box Pile
E-047	B/1	Central Fuse and Relay Box Interface-Alternator
E-048	B/1	Battery Positive Pile
E-049	-	Battery Negative
E-050	-	Body Ground
E-051	-	Engine Ground (GROUND25)
E-052	-	Body Ground (GROUND26)

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