

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:

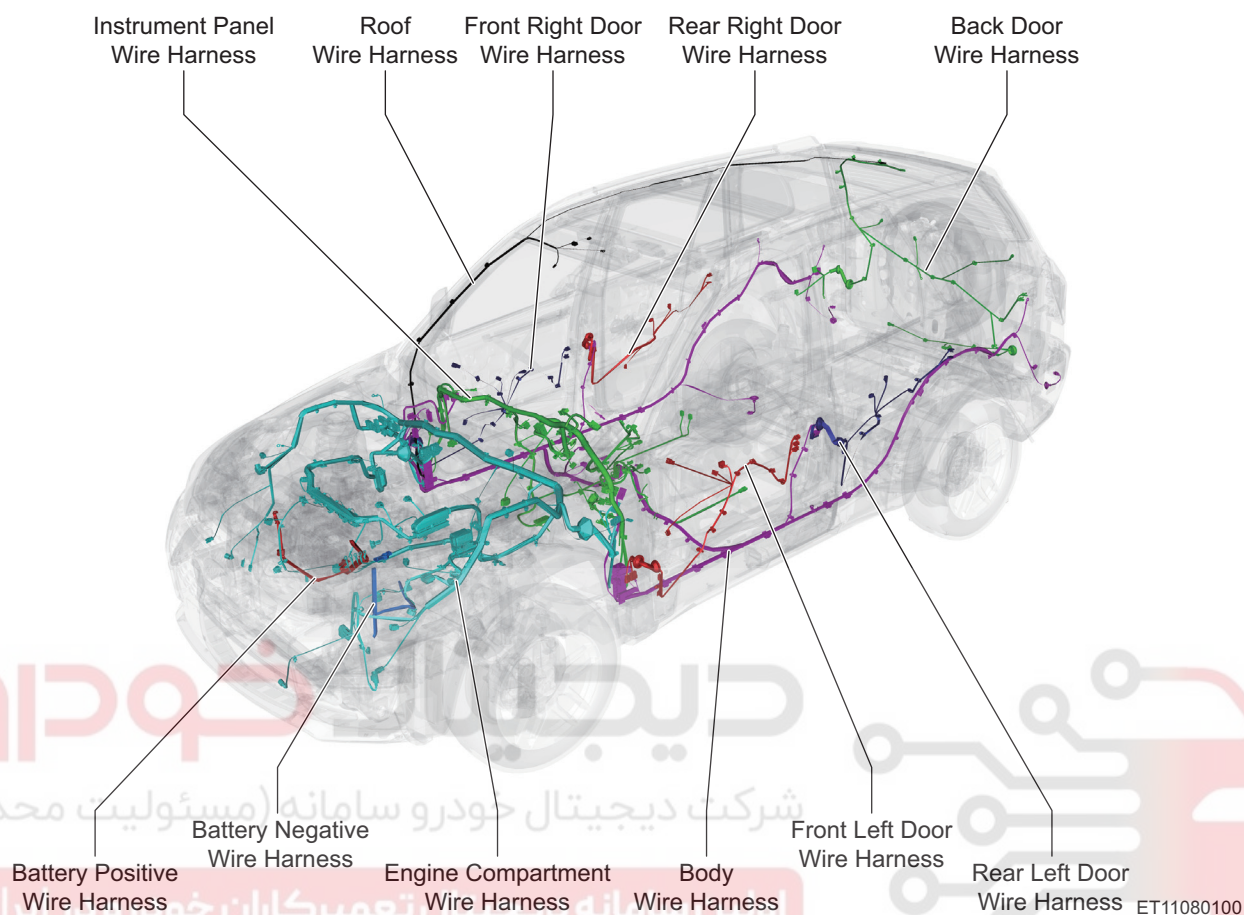
Wire Harness	See Page
Engine Compartment Wire Harness	08-3
Battery Positive Wire Harness and Battery Negative Wire Harness	08-8
Instrument Panel Wire Harness	08-9
Body Wire Harness	08-13
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شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

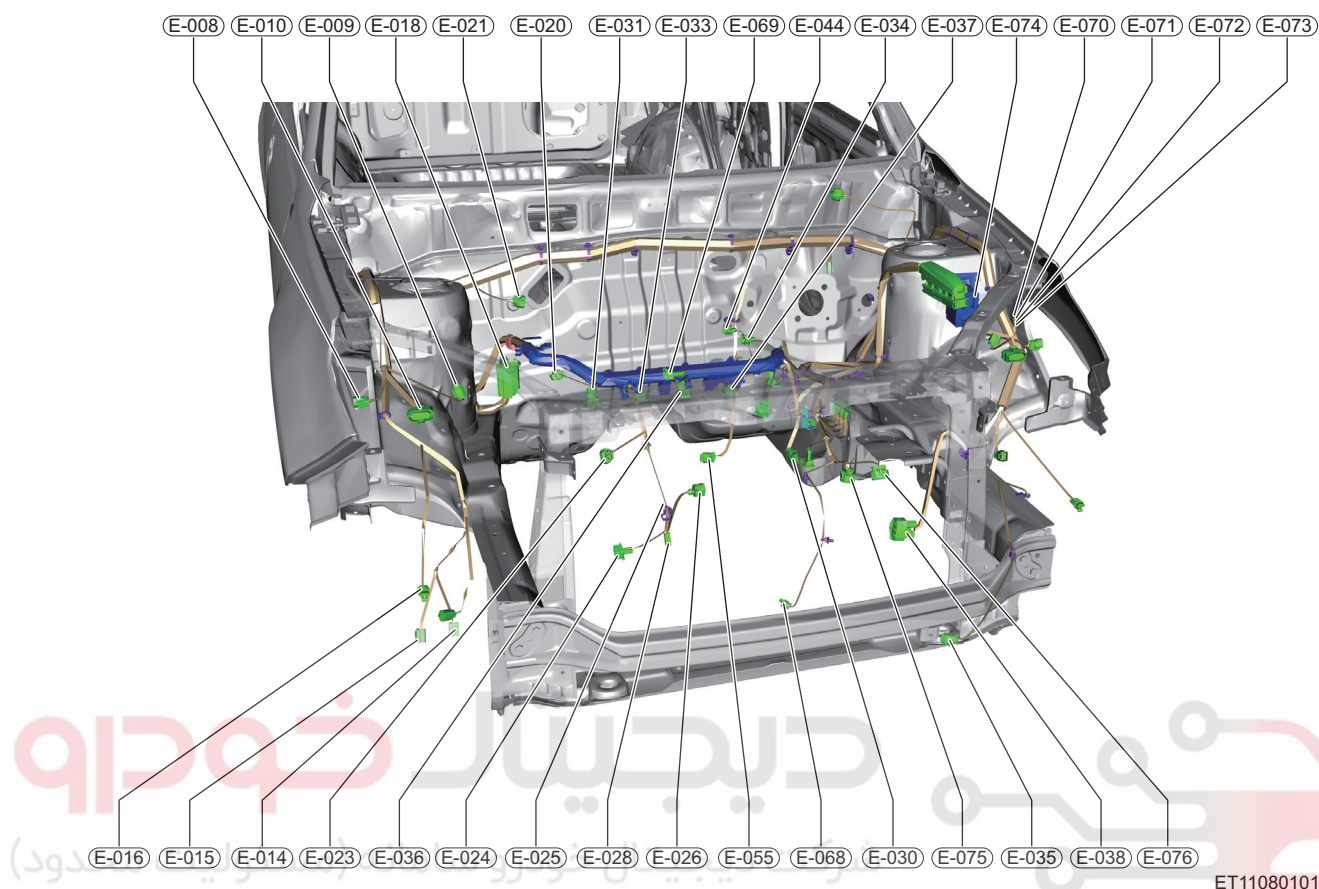
اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

Vehicle Wire Harness Layout

Entire Vehicle Wire Harness Layout



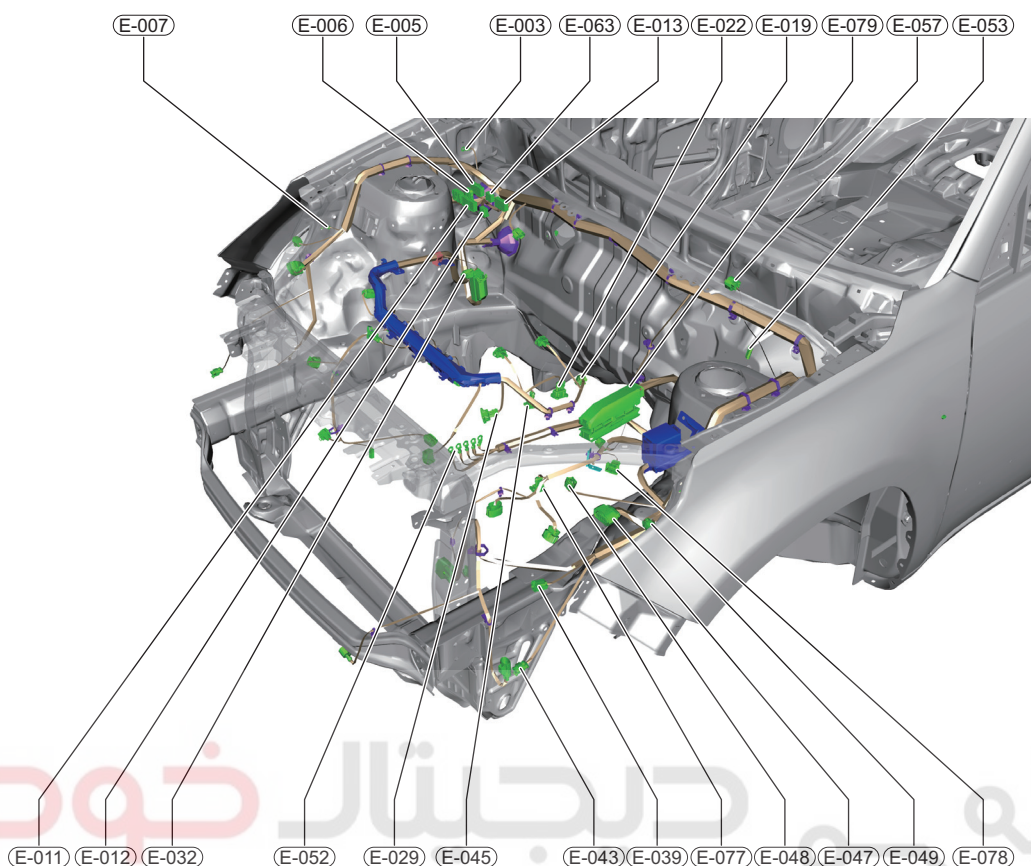
Engine Compartment Wire Harness



ET11080101

Connector Code	Connector Color/ Terminal No.	Connector Name
E-008	B/2	Front Right Wheel Speed Sensor
E-009	B/3	Right Headlight Adjustment Motor
E-010	B/10	Front Right Combination Light
E-014	B/2	Front Washer Motor
E-015	W/2	Rear Washer Motor
E-016	B/2	Right Daytime Running Light
E-018	B/38	ESP Control Module
E-020	B/2	Variable Camshaft Timing (Intake)
E-021	B/4	A/C Pressure Switch
E-023	Gr/3	Generator
E-024	B/2	A/C Compressor Clutch Switch
E-025	B/3	Knock Sensor
E-026	B/1	Starter
E-028	B/1	Oil Pressure Switch
E-030	B/6	Electronic Throttle

Connector Code	Connector Color/ Terminal No.	Connector Name
E-031	B/2	Injector 1
E-033	B/2	Injector 2
E-034	B/3	Crankshaft Position Sensor (Exhaust)
E-035	B/2	Outside Temperature Sensor
E-036	B/2	Injector 3
E-037	B/2	Injector 4
E-038	B/3	Cool Fan Motor
E-044	B/3	Camshaft Position Sensor (Intake)
E-055	B/4	Downstream Oxygen Sensor
E-068	B/2	Engine Speed Sensor
E-069	B/2	Canister Solenoid Valve
E-070	-	Ground
E-071	-	Ground
E-072	-	Ground
E-073	-	Ground
E-074	-	Cooling Fan Fuse and Relay Box
E-075	B/10	Gear Selector
E-076	B/10	Transmission



ET11080102

Connector Code	Connector Color/ Terminal No.	Connector Name
E-003	-	Ground
E-005	W/16	Engine Compartment Fuse and Relay Box (A)
E-006	G/2	Engine Compartment Fuse and Relay Box (I)
E-007	-	Ground
E-011	W/20	Engine Compartment Fuse and Relay Box (G)
E-012	W/8	Engine Compartment Fuse and Relay Box (B)
E-013	W/14	Engine Compartment Fuse and Relay Box (C)
E-019	B/4	Upstream Oxygen Sensor
E-022	B/4	Ignition Coil
E-029	B/4	Intake Pressure/Temperature Sensor
E-032	B/2	Variable Camshaft Timing (Exhaust)
E-039	B/2	High Horn
E-043	B/2	Left Daytime Running Light
E-045	B/2	Coolant Temperature Sensor
E-047	B/10	Front Left Combination Light
E-048	B/3	Left Headlight Adjustment Motor

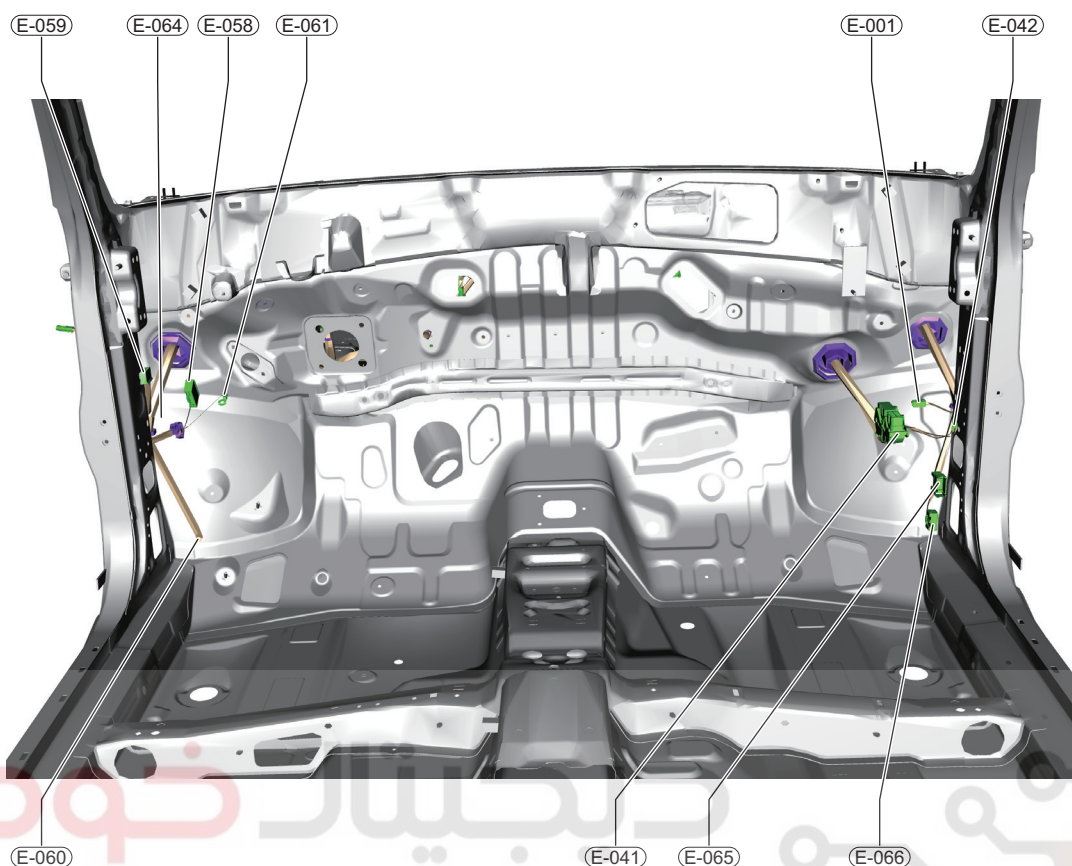
Connector Code	Connector Color/ Terminal No.	Connector Name
E-049	B/2	Front Left Wheel Speed Sensor
E-052	-	Power Fuse Box
E-053	Gr/2	Brake Fluid Level Sensor
E-057	Gr/5	Front Wiper Motor
E-063	B/10	Engine Compartment Fuse and Relay Box (H)
E-077	B/3	Input Speed Sensor
E-078	B/3	Output Speed Sensor
E-079	B/90	TCU

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران 08



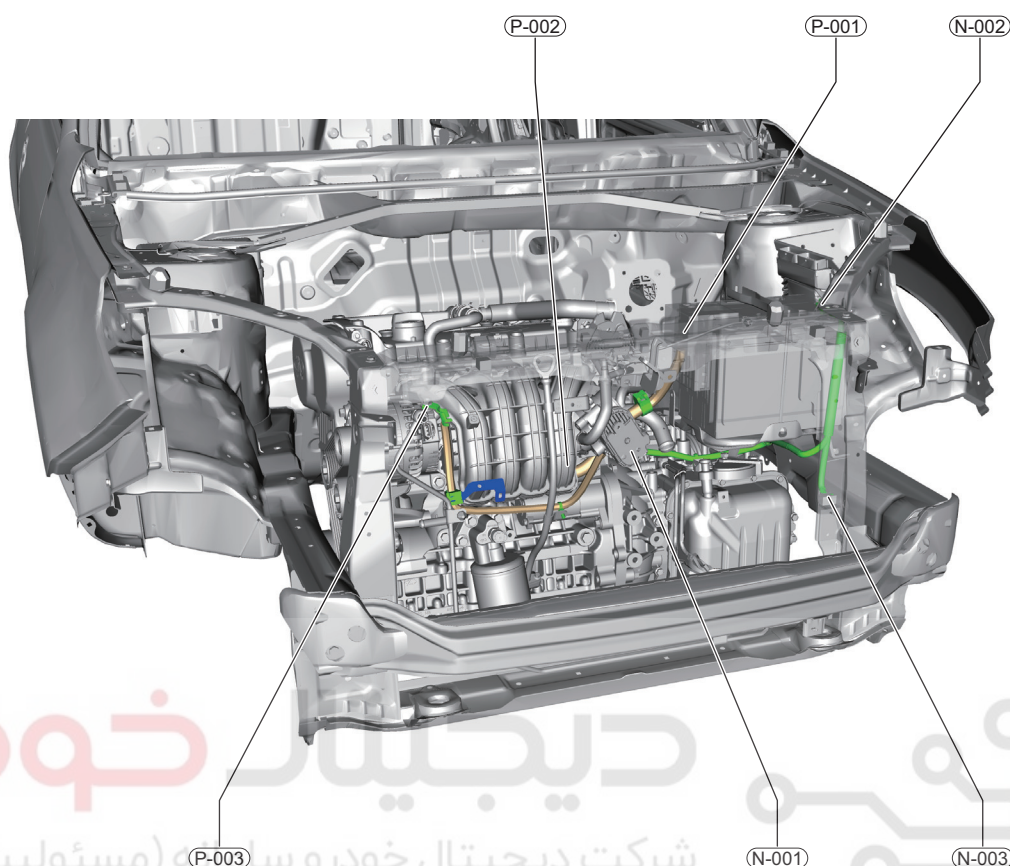


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شرکت دیجیتال خودرو (مسئولیت محدود)

Connector Code	Connector Color/ Terminal No.	Connector Name
E-001	B/1	BCM (E)
E-041	B/48	ECM 1
E-042	B/64	ECM 2
E-058	W/14	Instrument Panel Fuse and Relay Box (H)
E-059	W/16	to Instrument Panel Wire Harness Connector I-012
E-060	W/26	to Instrument Panel Wire Harness Connector I-013
E-061	-	Instrument Panel Fuse and Relay Box (C)
E-064	B/2	EPS (A)
E-065	W/26	to Instrument Panel Wire Harness Connector I-028
E-066	W/26	to Body Wire Harness Connector B-032

Battery Positive Wire Harness and Battery Negative Wire Harness

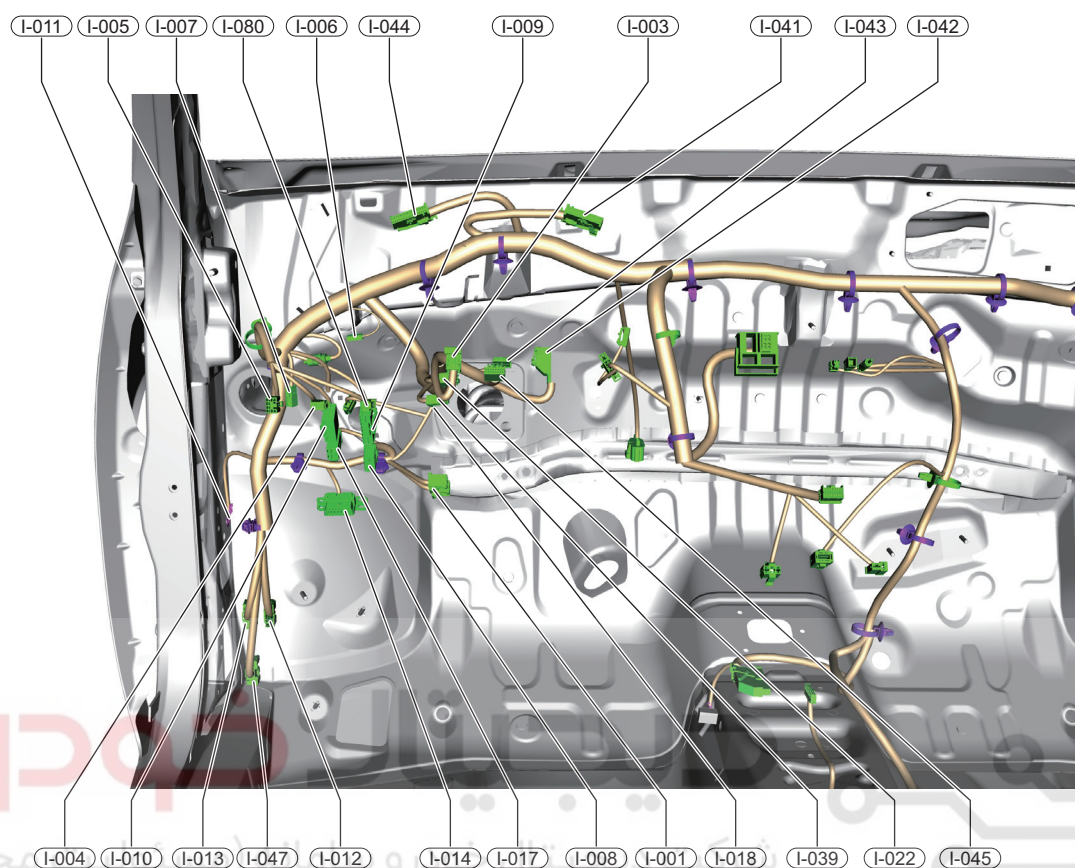


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Connector Code	Connector Color/ Terminal No.	Connector Name
P-001	-	Battery Positive Post
P-002	-	Starter
P-003	-	Generator
N-001	-	Battery Negative Post
N-002	-	Body Ground
N-003	-	Engine Ground

Instrument Panel Wire Harness



ET11080105

Connector Code	Connector Color/ Terminal No.	Connector Name
I-001	B/10	EPS (B)
I-003	B/10	Combination Light Switch
I-004	B/6	Power Outside Rear View Mirror Adjustment Switch
I-005	W/6	Headlight Leveling Switch
I-006	-	Antenna
I-007	B/1	Antenna Amplifier
I-008	W/16	Instrument Panel Fuse and Relay Box (F)
I-009	W/20	Instrument Panel Fuse and Relay Box (B)
I-010	W/4	Instrument Panel Fuse and Relay Box (E)
I-011	-	Ground
I-012	W/16	to Engine Compartment Wire Harness Connector E-059
I-013	W/16	to Engine Compartment Wire Harness Connector E-060
I-014	B/16	Data Link Connector
I-017	Lg/2	Instrument Panel Fuse and Relay Box (D)
I-018	B/4	Brake Switch

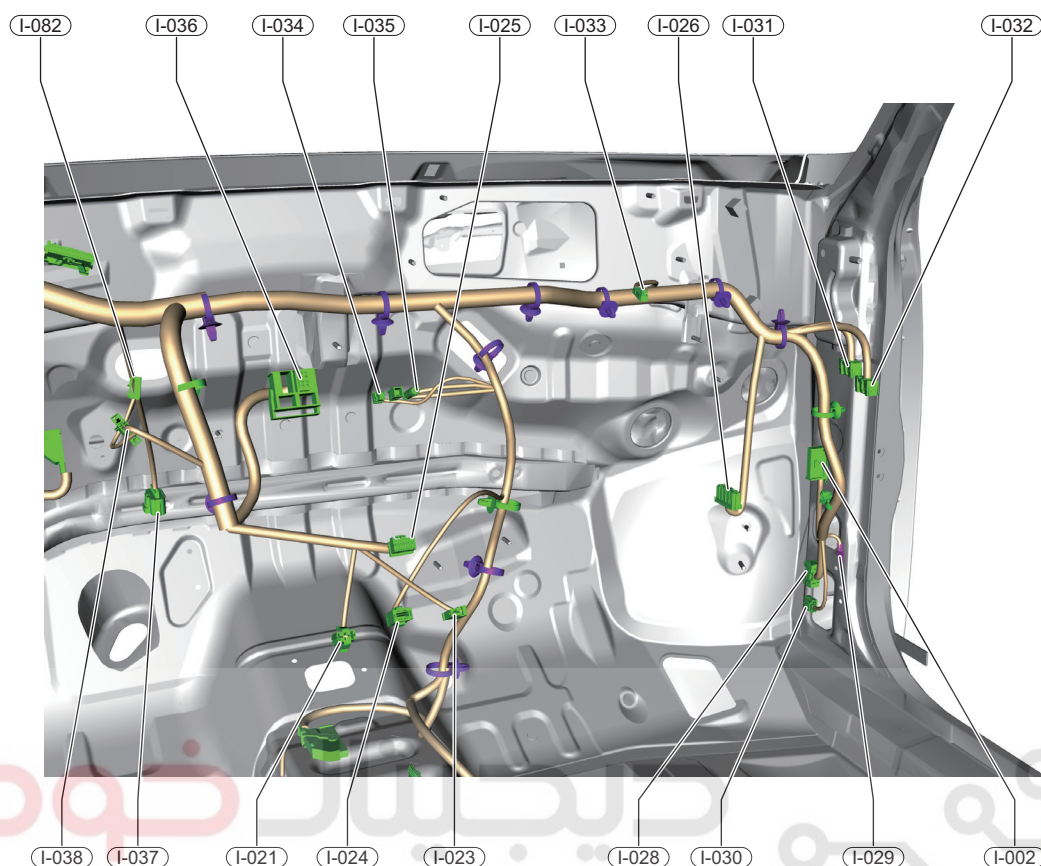
Connector Code	Connector Color/ Terminal No.	Connector Name
I-022	W/4	Key Switch
I-039	W/2	Ignition Switch Illumination
I-041	L/32	Instrument Cluster (A)
I-042	B/10	Wiper and Washer Switch
I-043	Y/6	Steering Angle Sensor
I-044	G/32	Instrument Cluster (B)
I-045	B/16	Spiral Cable
I-047	W/26	to Body Wire Harness Connector B-011
I-080	W/8	ECO Switch

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران 08



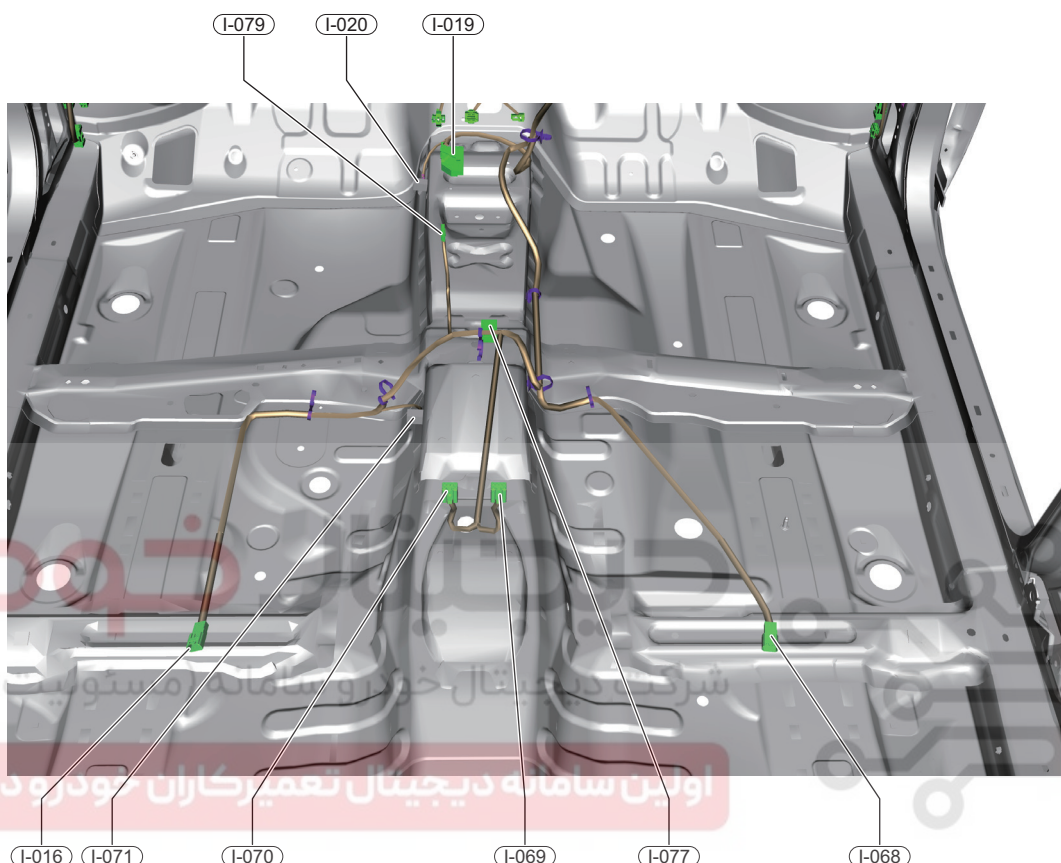


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شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

Connector Code	Connector Color/ Terminal No.	Connector Name
I-002	W/32	BCM (F)
I-021	W/3	Cigarette Lighter
I-023	W/2	Backup Power Supply
I-024	B/4	USB Interface
I-025	B/16	A/C Control Panel
I-026	Lg/22	to A/C Wire Harness Connector K-006
I-028	W/26	to Engine Compartment Wire Harness Connector E-065
I-029	-	Ground
I-030	W/10	to Roof Wire Harness Connector C-004
I-031	W/26	to Body Wire Harness Connector B-033
I-032	W/26	to Body Wire Harness Connector B-001
I-033	Y/2	Front Passenger Airbag
I-034	B/4	Radio Receiver (USB)
I-035	-	Antenna
I-036	B/28	Radio Receiver
I-037	B/6	Electronic Accelerator Pedal

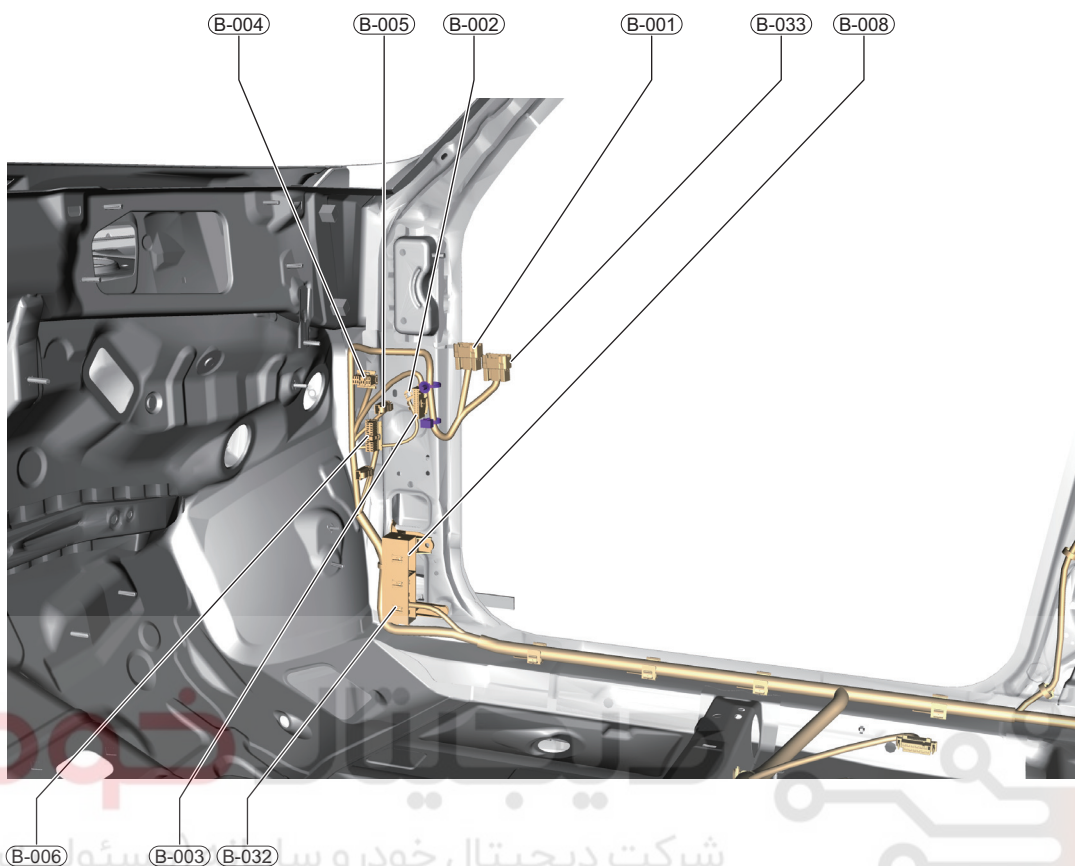
Connector Code	Connector Color/ Terminal No.	Connector Name
I-038	B/8	Immobilizer Control Module
I-082	W/2	to Solar Sensor Wire Harness I-083



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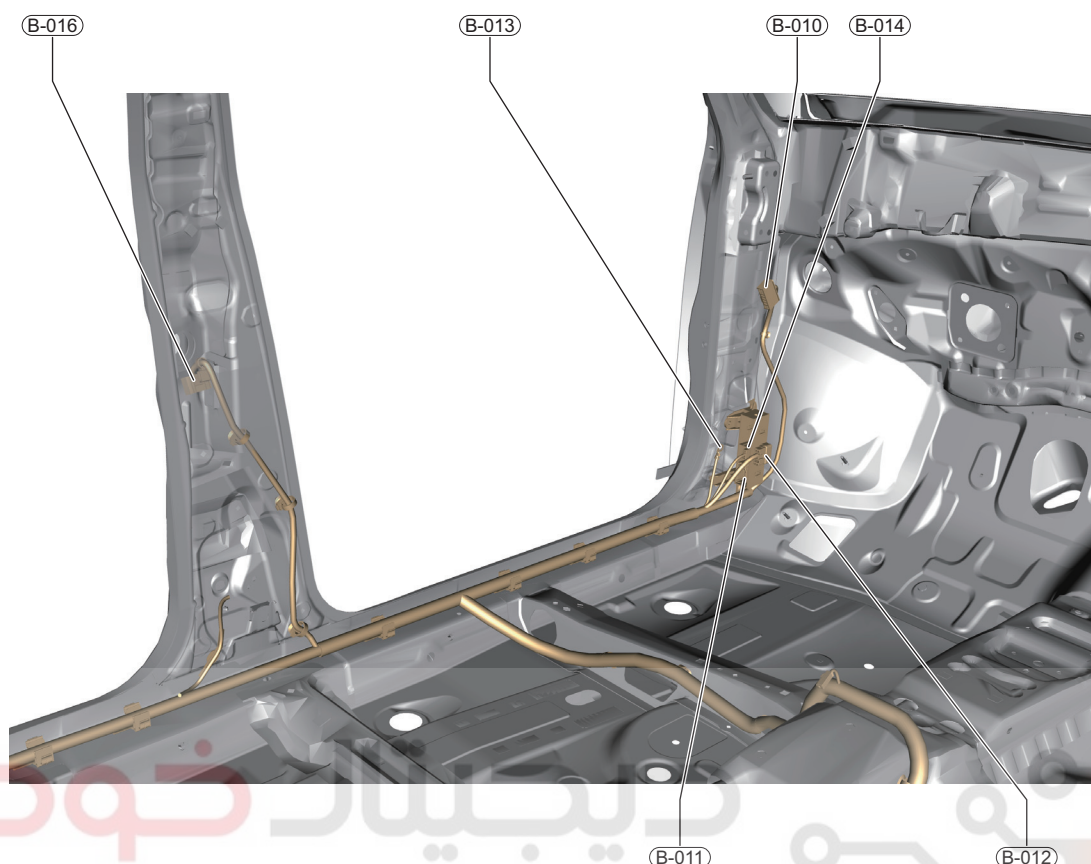
Connector Code	Connector Color/ Terminal No.	Connector Name
I-016	L/4	Driver Seat Heater and Driver Seat Belt Switch
I-019	Y/50	Airbag Module Connector
I-020	-	Ground
I-068	L/6	Front Passenger Seat Heater
I-069	L/6	Front Passenger Seat Heater Switch
I-070	G/6	Driver Seat Heater Switch
I-071	-	Ground
I-077	W/11	ECO Mode And Gear Shift Switch
I-079	W/10	Gear Backlight

Body Wire Harness



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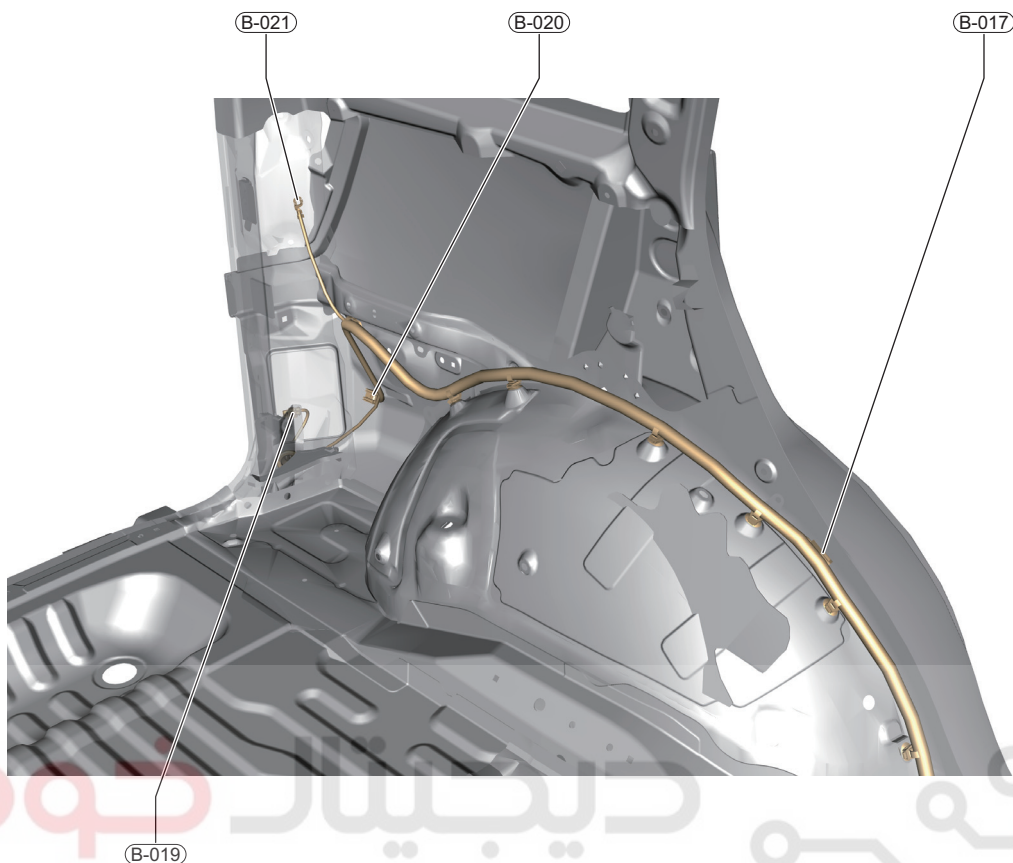
Connector Code	Connector Color/ Terminal No.	Connector Name
B-001	W/26	to Instrument Panel Wire Harness Connector I-032
B-002	-	Ground
B-003	W/32	BCM (A)
B-004	B/12	BCM (B)
B-005	B/1	BCM (C)
B-006	B/20	BCM (D)
B-008	W/20	to Front Right Door Wire Harness Connector H-003
B-032	W/26	to Engine Compartment Wire Harness Connector E-066
B-033	W/26	to Instrument Panel Wire Harness Connector I-031



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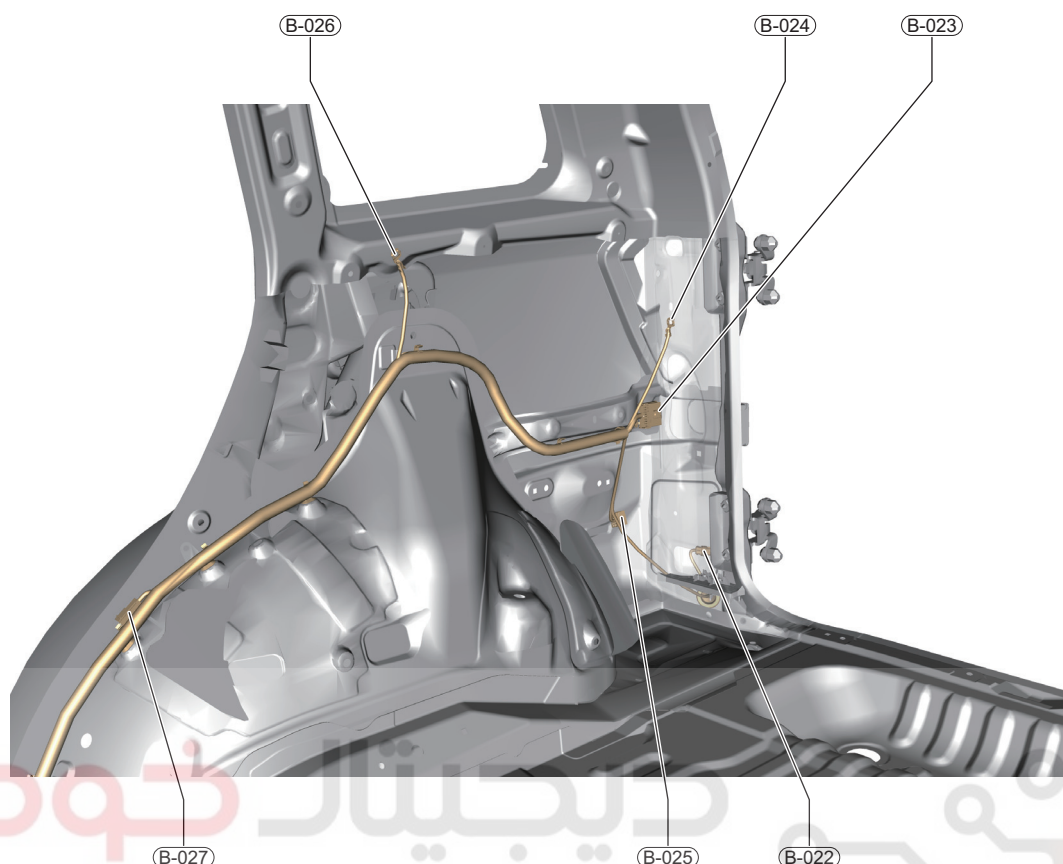
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Connector Code	Connector Color/ Terminal No.	Connector Name
B-010	B/10	Instrument Panel Fuse and Relay Box (G)
B-011	W/26	to Instrument Panel Wire Harness Connector I-047
B-012	W/20	to Front Left Door Wire Harness Connector F-006
B-013	-	Ground
B-014	W/10	to Front Left Door Wire Harness Connector F-007
B-016	W/14	to Rear Left Door Wire Harness Connector L-004



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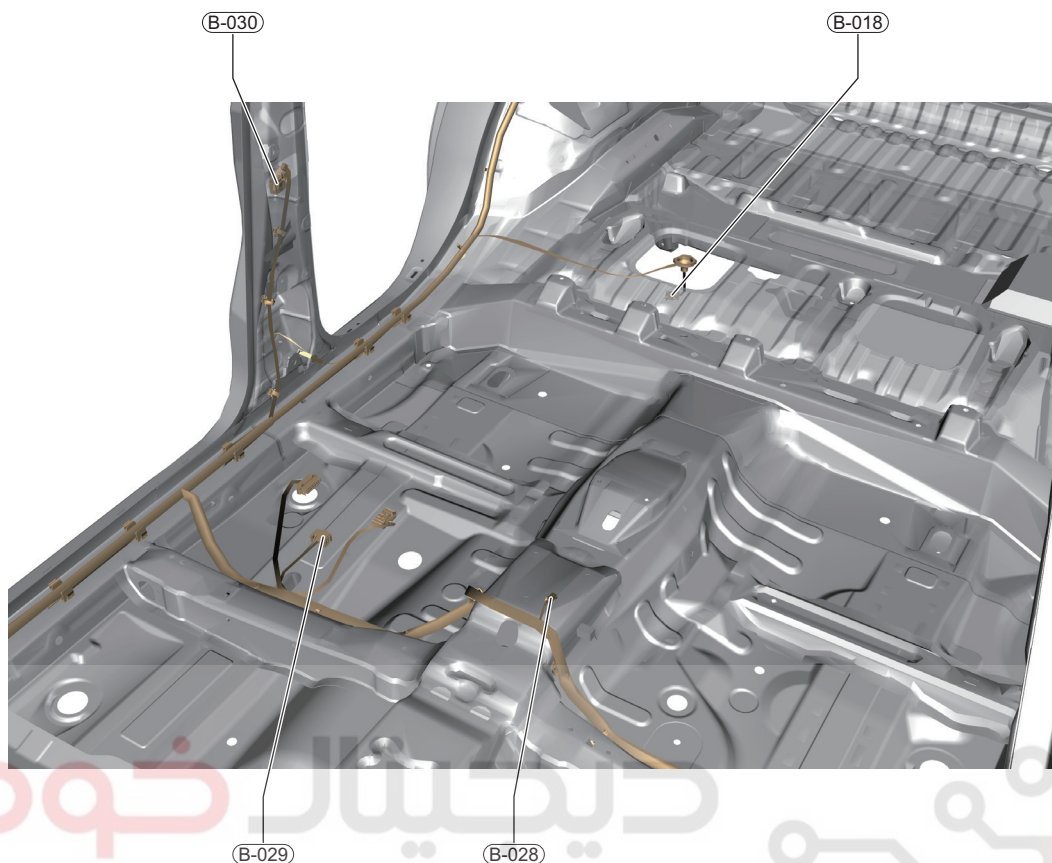
Connector Code	Connector Color/ Terminal No.	Connector Name
B-017	W/2	Rear Left Wheel Speed Sensor
B-019	B/2	Rear Left Fog Light
B-020	W/6	Rear Left Combination Light
B-021	-	Ground



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Connector Code	Connector Color/ Terminal No.	Connector Name
B-022	B/2	Rear Right Fog Light
B-023	W/14	to Back Door Wire Harness Connector T-002
B-024	-	Ground
B-025	W/6	Rear Right Combination Light
B-026	-	Ground
B-027	W/2	Rear Right Wheel Speed Sensor

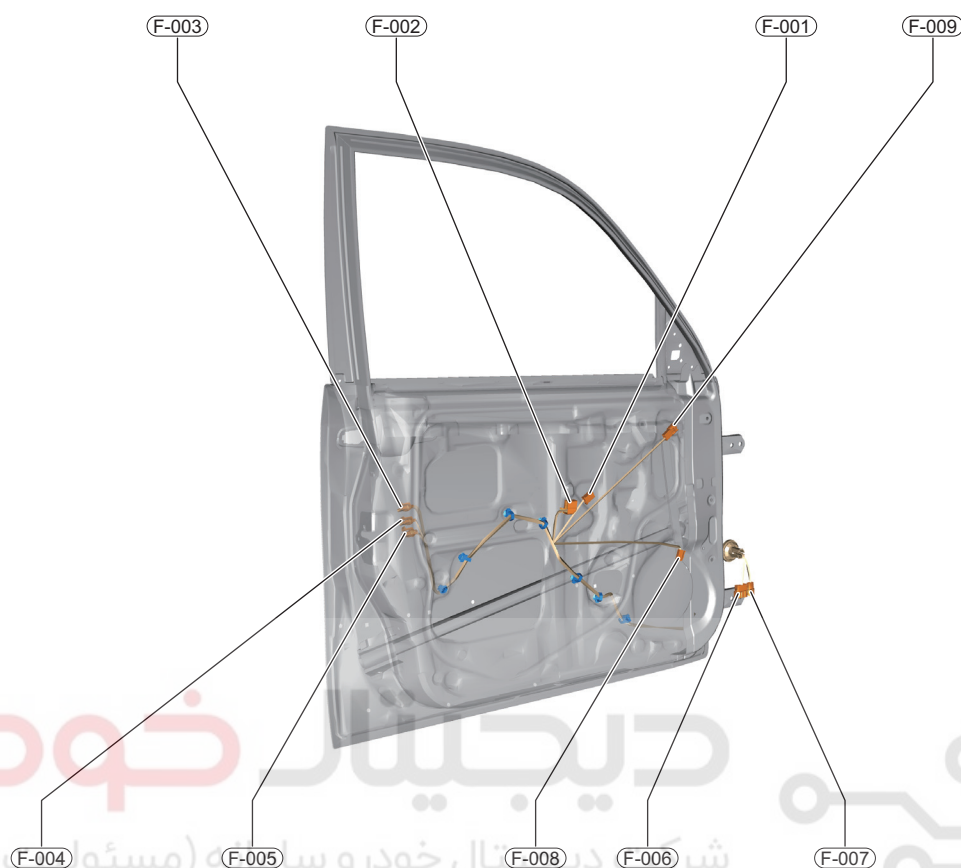


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شرکت دیجیتال خودرو (مسئولیت محدود)

Connector Code	Connector Color/ Terminal No.	Connector Name
B-018	B/4	Fuel Pump Motor/Fuel Level Sensor
B-028	W/1	Parking Brake Switch
B-029	B/4	Yaw Rate Sensor
B-030	W/14	to Rear Right Door Wire Harness Connector R-003

Front Left Door Wire Harness

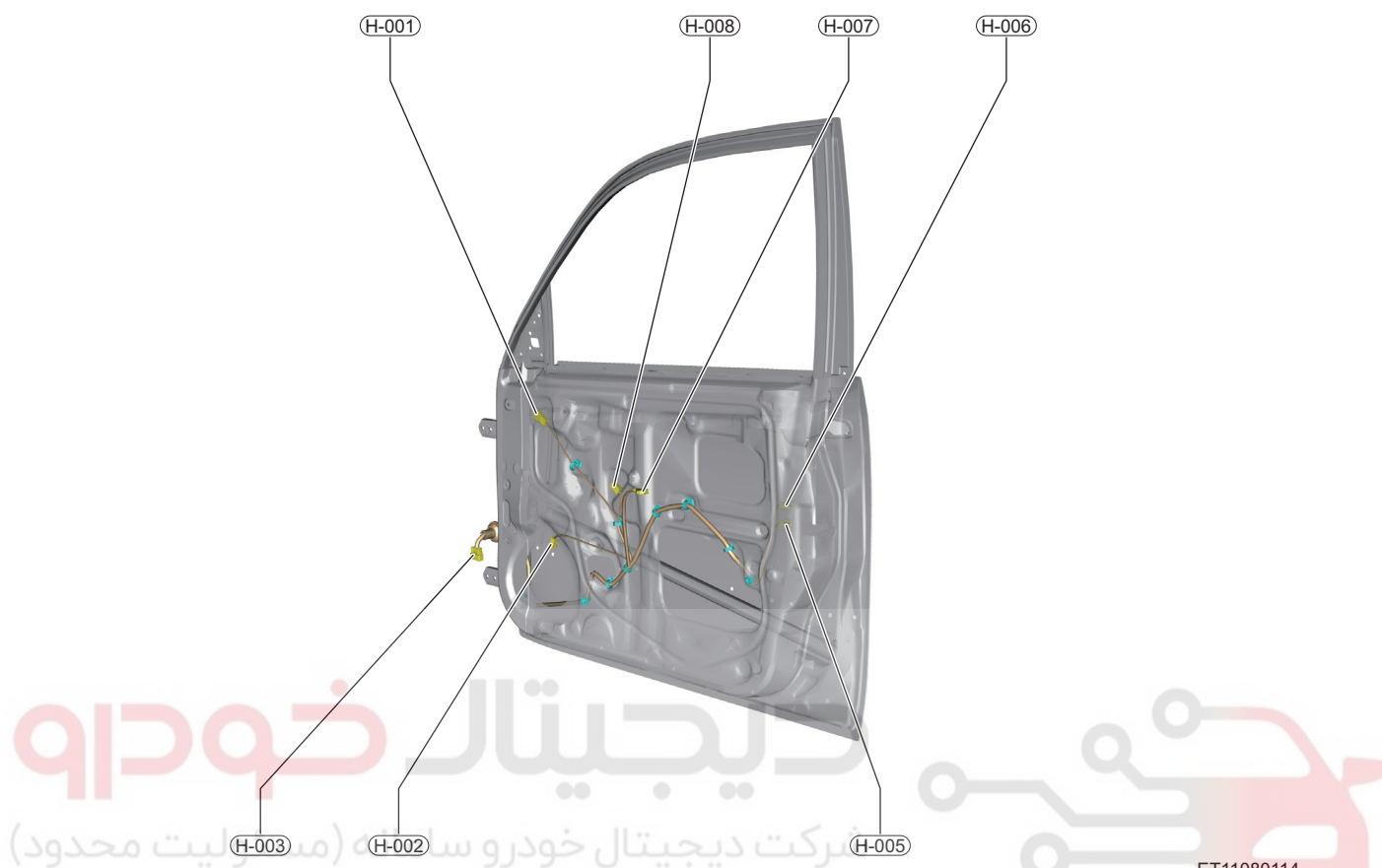


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Connector Code	Connector Color/ Terminal No.	Connector Name
F-001	W/2	Front Left Power Window Regulator Motor
F-002	Br/16	Front Left Power Window Switch
F-003	Gr/4	Door Lock Switch
F-004	B/4	Front Left Door Contact Switch
F-005	B/2	Front Left Door Lock Motor
F-006	W/20	to Body Wire Harness Connector B-012
F-007	W/10	to Body Wire Harness Connector B-014
F-008	W/2	Front Left Speaker
F-009	W/12	Left Power Outside Rear View Mirror

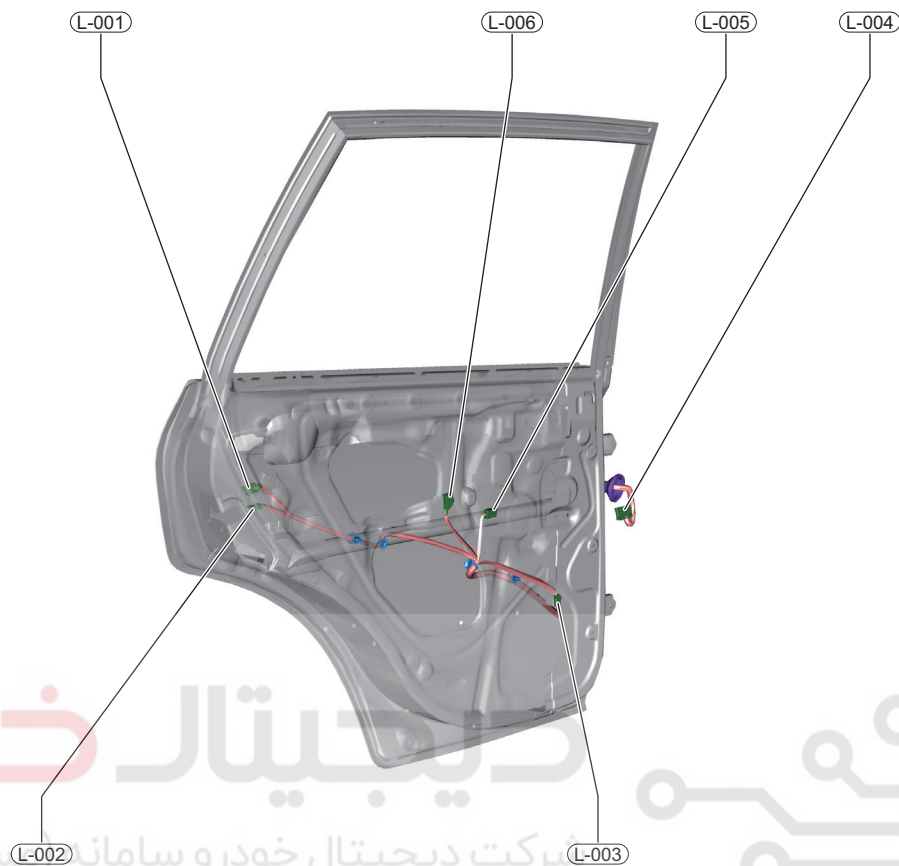
Front Right Door Wire Harness



ET11080114

Connector Code	Connector Color/ Terminal No.	Connector Name
H-001	W/12	Right Power Outside Rear View Mirror
H-002	W/2	Front Right Speaker
H-003	W/20	to Body Wire Harness Connector B-008
H-005	B/2	Front Right Door Lock Motor
H-006	B/4	Front Right Door Contact Switch
H-007	B/4	Front Right Power Window Switch
H-008	W/2	Front Right Power Window Regulator Motor

Rear Left Door Wire Harness

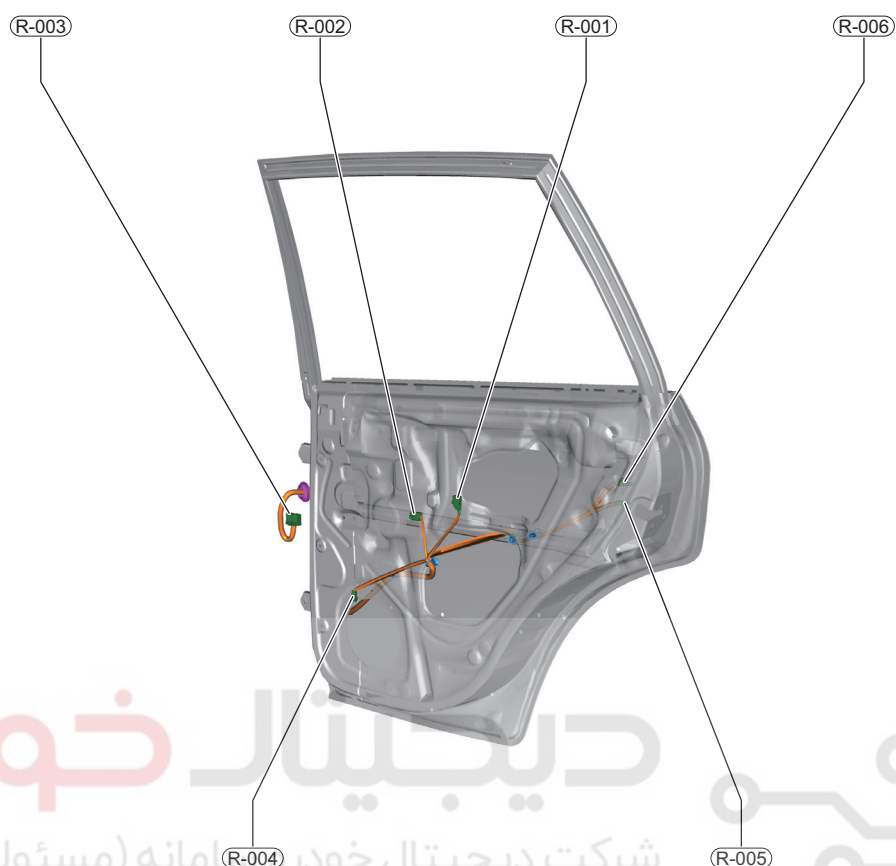


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Connector Code	Connector Color/ Terminal No.	Connector Name
L-001	B/4	Rear Left Door Contact Switch
L-002	B/2	Rear Left Door Lock Motor
L-003	W/2	Rear Left Speaker
L-004	W/14	to Body Wire Harness Connector B-016
L-005	W/2	Rear Left Power Window Regulator Motor
L-006	B/4	Rear Left Power Window Switch

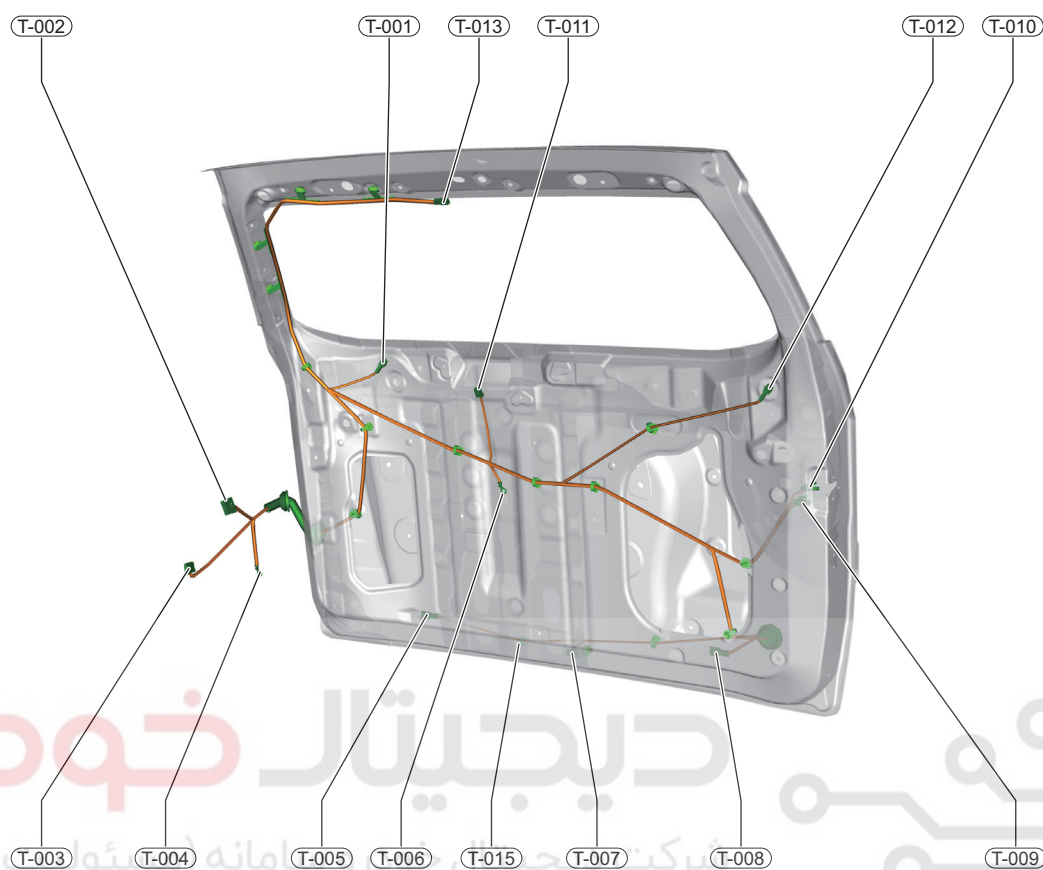
Rear Right Door Wire Harness



ET11080116

Connector Code	Connector Color/ Terminal No.	Connector Name
R-001	B/4	Rear Right Power Window Switch
R-002	W/2	Rear Right Power Window Regulator Motor
R-003	W/14	to Body Wire Harness Connector B-030
R-004	W/2	Rear Right Speaker
R-005	B/2	Rear Right Door Lock Motor
R-006	B/4	Rear Right Door Contact Switch

Back Door Wire Harness

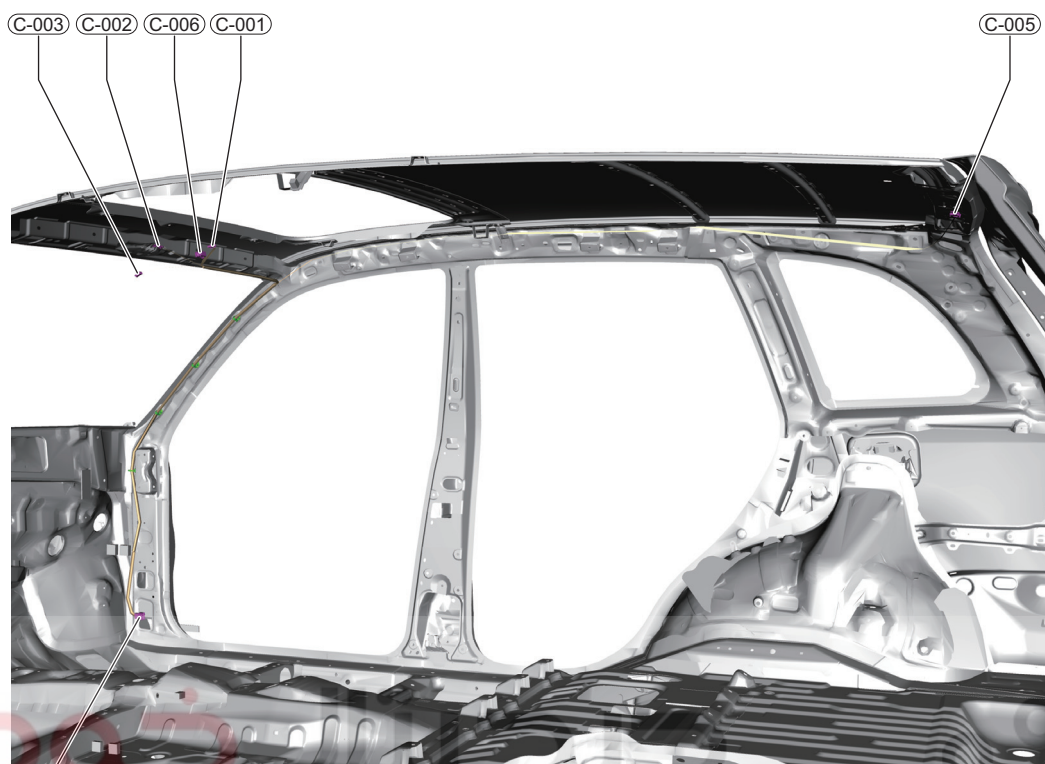


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Connector Code	Connector Color/ Terminal No.	Connector Name
T-001	W/1	Rear Defroster Positive
T-002	W/14	to Body Wire Harness Connector B-023
T-003	W/16	Reversing Radar Control Module
T-004	-	Ground
T-005	Gr/2	Right Radar Sensor
T-006	-	Ground
T-007	B/2	License Plate Light
T-008	Gr/2	Left Radar Sensor
T-009	B/2	Back Door Lock Motor
T-010	B/4	Back Door Contact Switch
T-011	W/3	Rear Wiper Motor
T-012	W/1	Rear Defroster Negative
T-013	W/2	High Mounted Stop Light
T-015	B/4	Reverse Camera

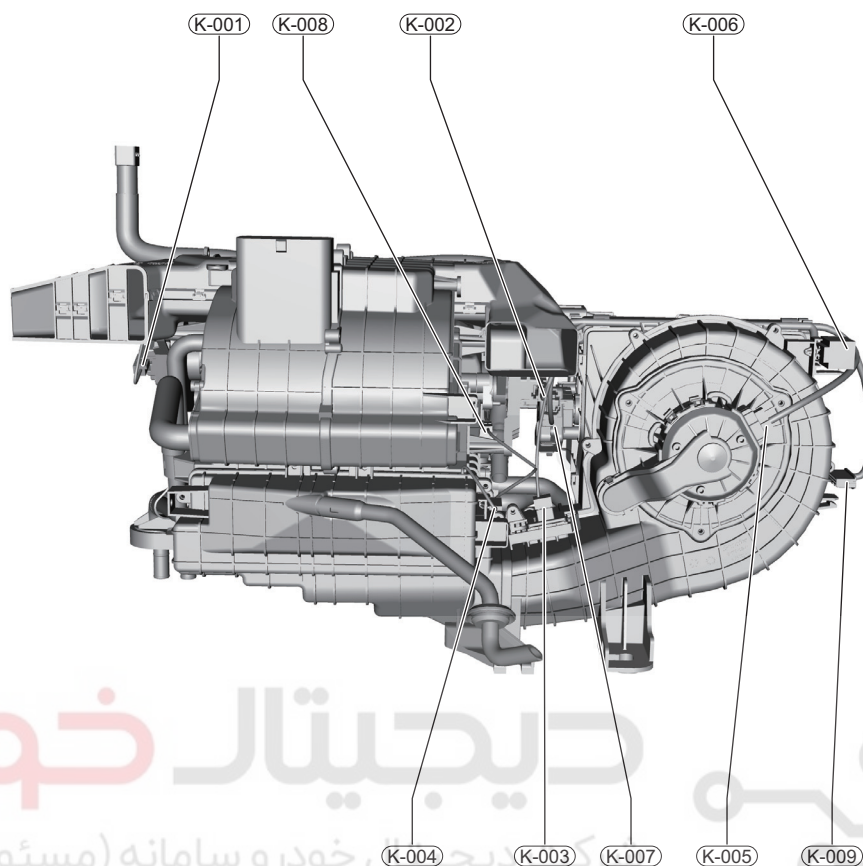
Roof Wire Harness



ET11080118

Connector Code	Connector Color/ Terminal No.	Connector Name
C-001	W/6	Front Ceiling Light
C-002	-	Ground
C-003	B/3	Light sensor
C-004	W/10	to Instrument Panel Wire Harness Connector I-030
C-005	W/2	Rear Ceiling Light
C-006	W/6	Sliding Roof

Automatic A/C Wire Harness



ET11080119

08

Connector Code	Connector Color/ Terminal No.	Connector Name
K-001	B/6	Mode Damper Motor
K-002	B/6	Mixed Damper Motor
K-003	B/3	Speed Resistor
K-004	W/2	Evaporator Temperature Sensor
K-005	W/2	Blower
K-006	Lg/22	to Instrument Panel Wire Harness Connector I-026
K-007	B/6	Inner and Outer Circulation Motor
K-008	B/2	Inside Temperature Sensor
K-009	W/40	Automatic A/C Control Module A