

WIRE HARNESS

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شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



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شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

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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 chapters 6, 7, 8. If component wire harnesses involve other systems, the component information will also appear in corresponding systems.

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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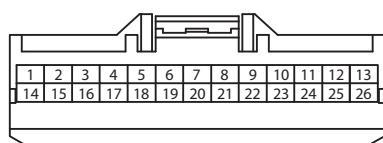
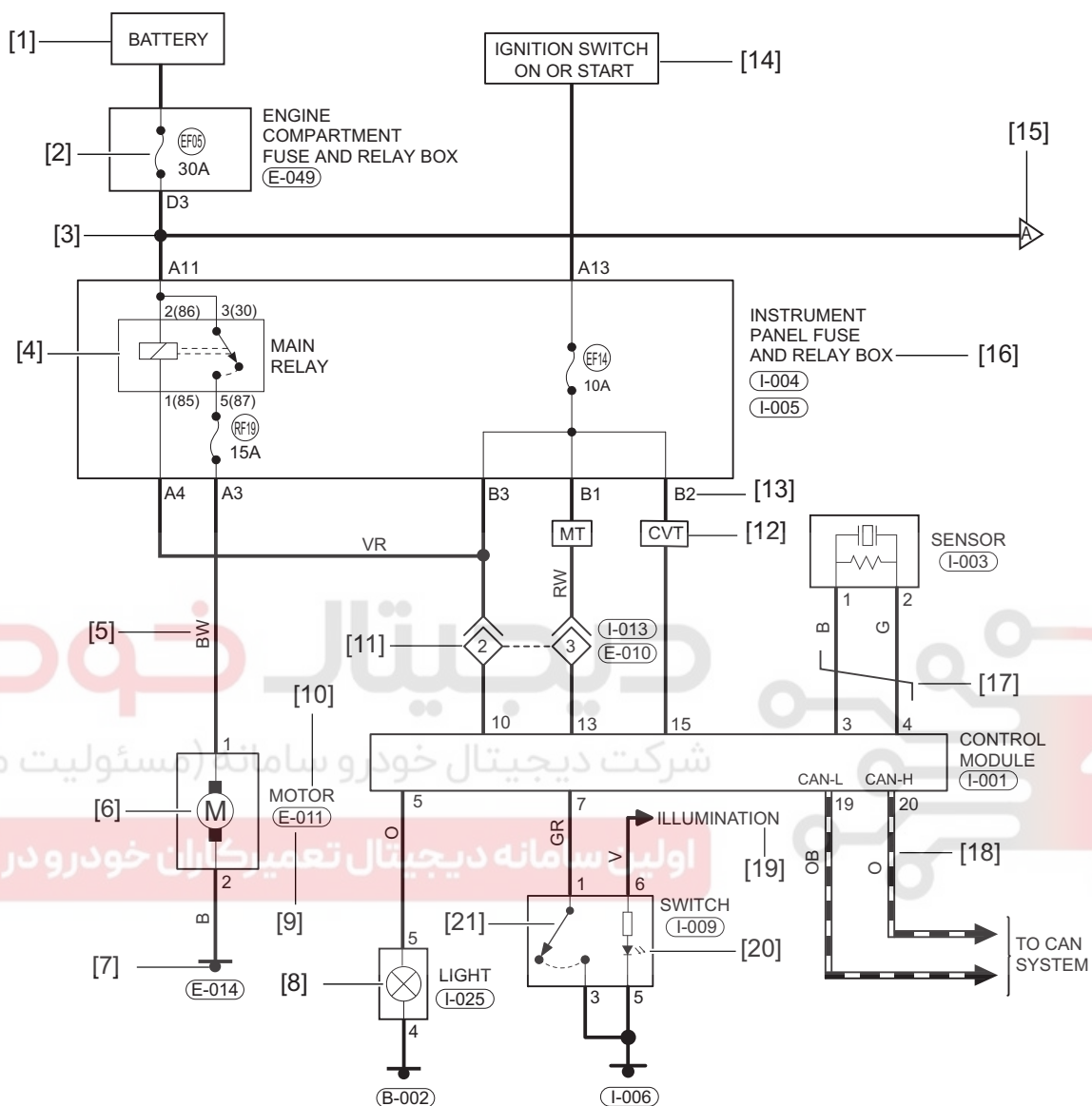
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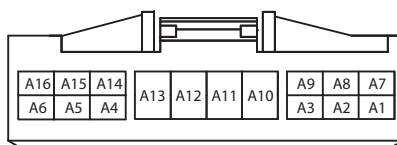


Circuit Diagram Instruction

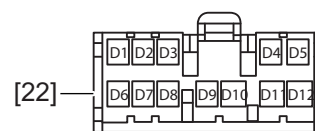
EXAMPLE



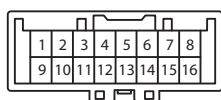
I-001
W



I-004
W



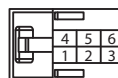
E-049
W



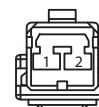
I-013
W



E-011
Gr



I-009
W



I-003
W

ET15550000

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

No.	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]	Light Bulb	This symbol indicates a light bulb.
[9]	Connector Code	"E-011" indicates connector code of this component. The letter "E" indicates wire harness code in which the connector is located. Connector codes are as follows: E = Front Bumper Wire Harness; E = Engine Wire Harness and Engine Compartment Wire Harness; I = Instrument Panel Wire Harness; B = Body Wire Harness; F = Front Left Door Wire Harness; H = Front Right Door Wire Harness; L = Rear Left Door Wire Harness; R = Rear Right Door Wire Harness; C = Roof Wire Harness; J = Rear Bumper Wire Harness; K = A/C Wire Harness; A = Airbag Wire Harness; P = Battery Positive Wire Harness; N = Battery Negative Wire Harness; K = A/C System Wire Harness.

No.	Definition	Description
[10]	Component Name	It indicates name of this component.
[11]	Connector	It indicates junction connectors. "Λ" is female connector and "I-013" is applicable number; "♂" is 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	"AT" indicates it is for AT model; "MT" indicates it is for MT model.
[13]	Terminal No.	It indicates terminal number in connector of this component.
[14]	Engine switch	It indicates power supply from engine 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 the 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]	Backlight Power Supply	It indicates backlight illumination power supply output from BCM.
[20]	LED	It is used for indicators, warning lights or illuminations in switches or instrument cluster.
[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 symptom (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 engine switch to ON as necessary). Check voltage value displayed on voltmeter.

Circuit Continuity Test

1. Turn off all electrical equipment and the engine 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).

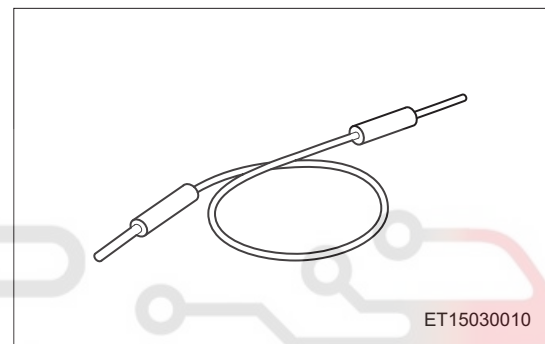
Short Circuit Test

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.



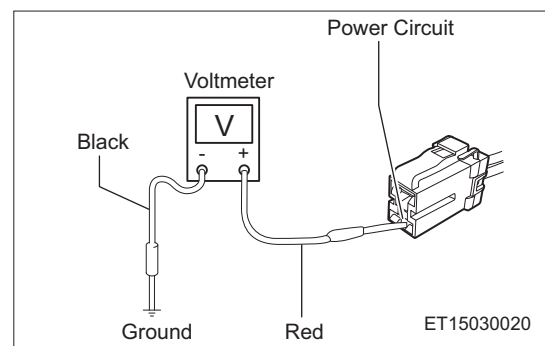
CAUTION

- 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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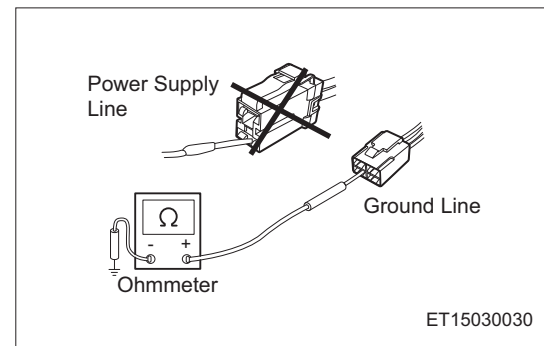
2. Voltmeter

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 damaging 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.

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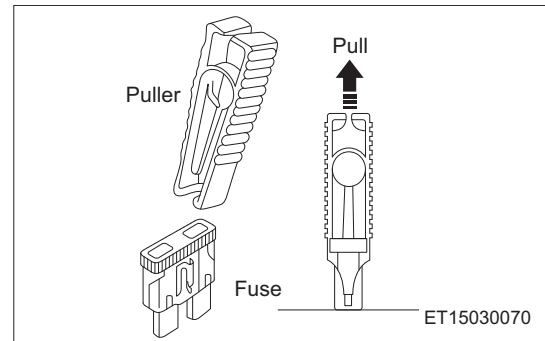
- Peel off 0.5 inch insulating layer from lead to be repaired and substitute lead.
- Connect original lead to substitute lead with heat shrink tube and compress metal core of heat shrink tube with a tool, so that the original lead and substitute lead can be connected firmly.
- Heat the heat shrink tube to shrink its outer rubber layer and ensure that sealing of repaired area is in good condition.
- 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 engine switch before servicing.
2. Remove blown fuse with a fuse puller.

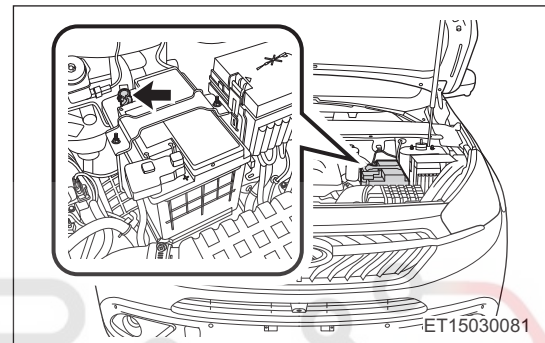


3. Replace fuse with a new one which has the same specification.

Electrical Components

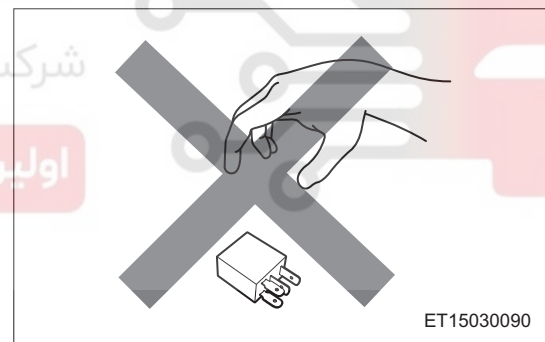
1. Battery Cable

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.



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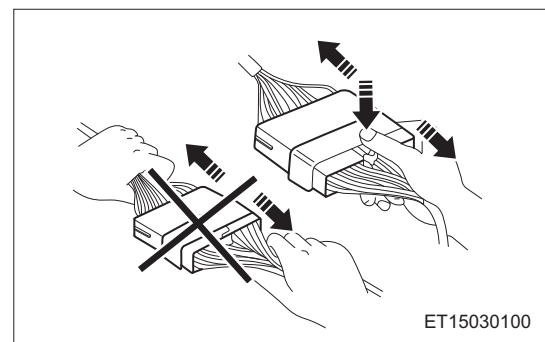
CAUTION

- Use relay of same specification with original one during replacement.

3. Connector

- a. Disconnect the connector.

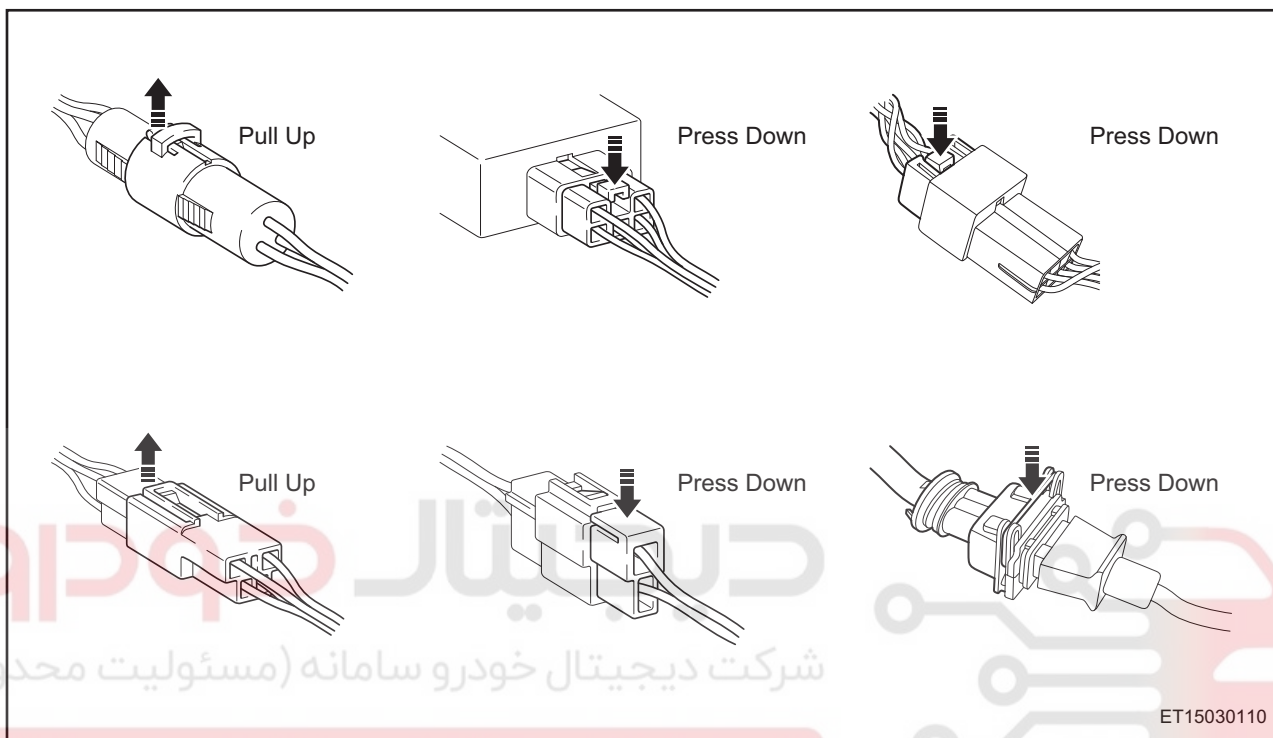
Hold connector by hand and press connector clip to disconnect it.



CAUTION

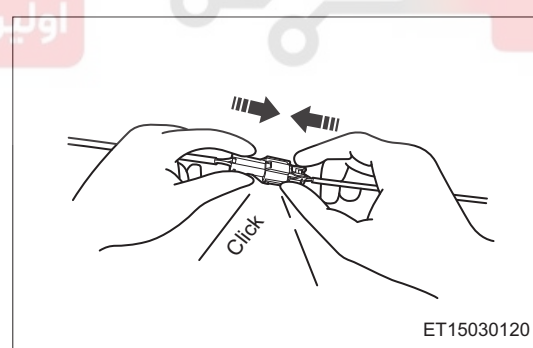
- DO NOT pull wire harness forcibly to avoid damaging components when disconnecting connectors.

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

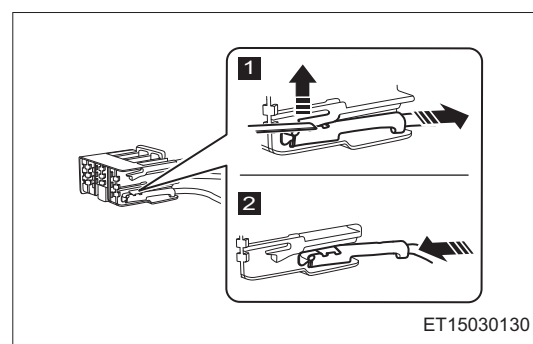


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- b. Install the connector.
A "click" sound can be heard when a connector is installed in place.

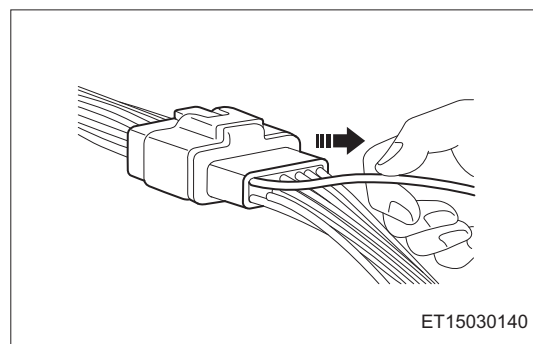


- c. Replace the connector terminal.
As shown in illustration (1), insert a suitable tool into terminal to lift up fixing clip, and then pull out terminal from behind.
During installation, push terminal from back of connector to ensure that fixing clip is fitted in place as shown in illustration (2).



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
- Engine switch
- Fuse
- Relay

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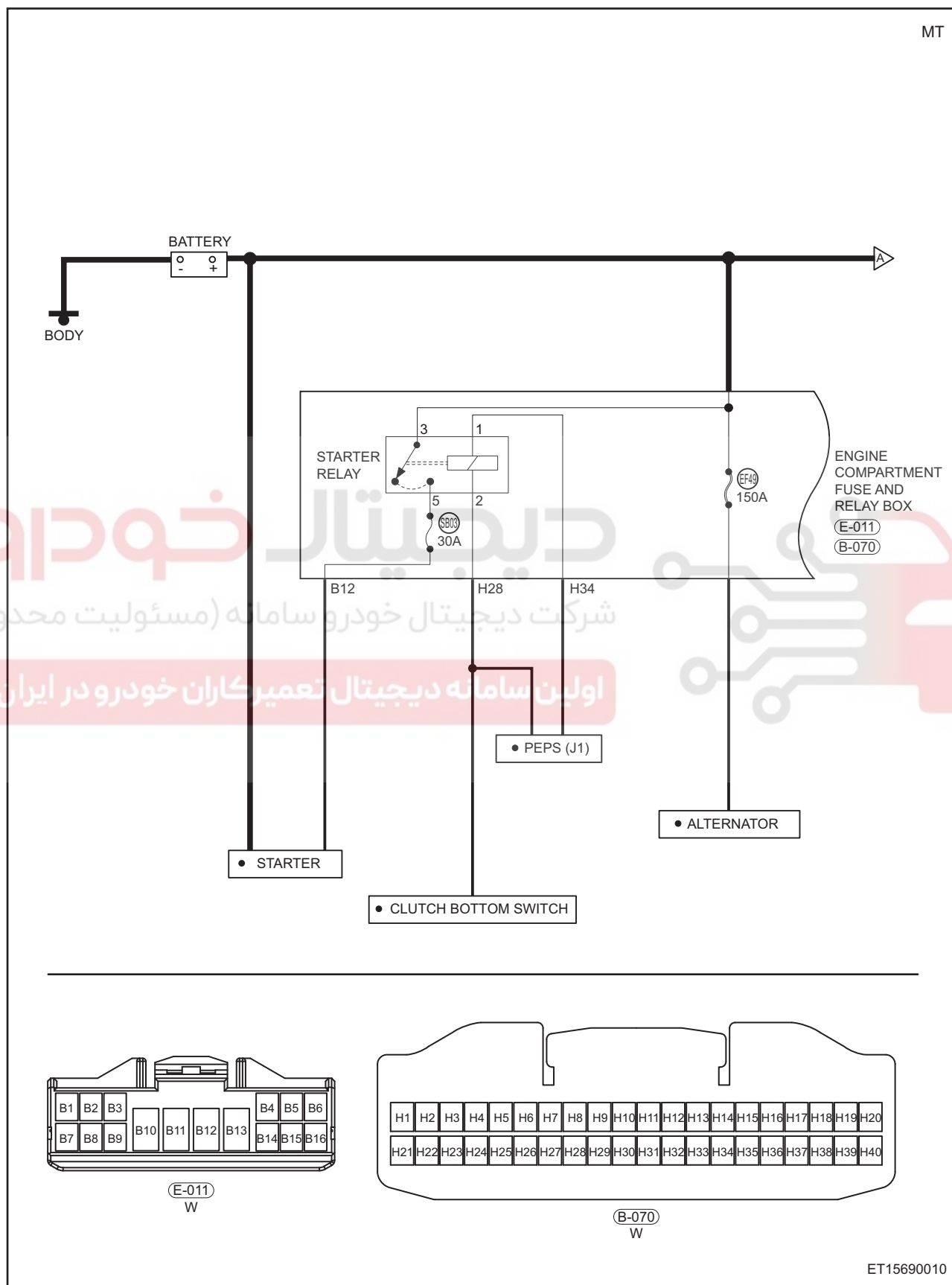
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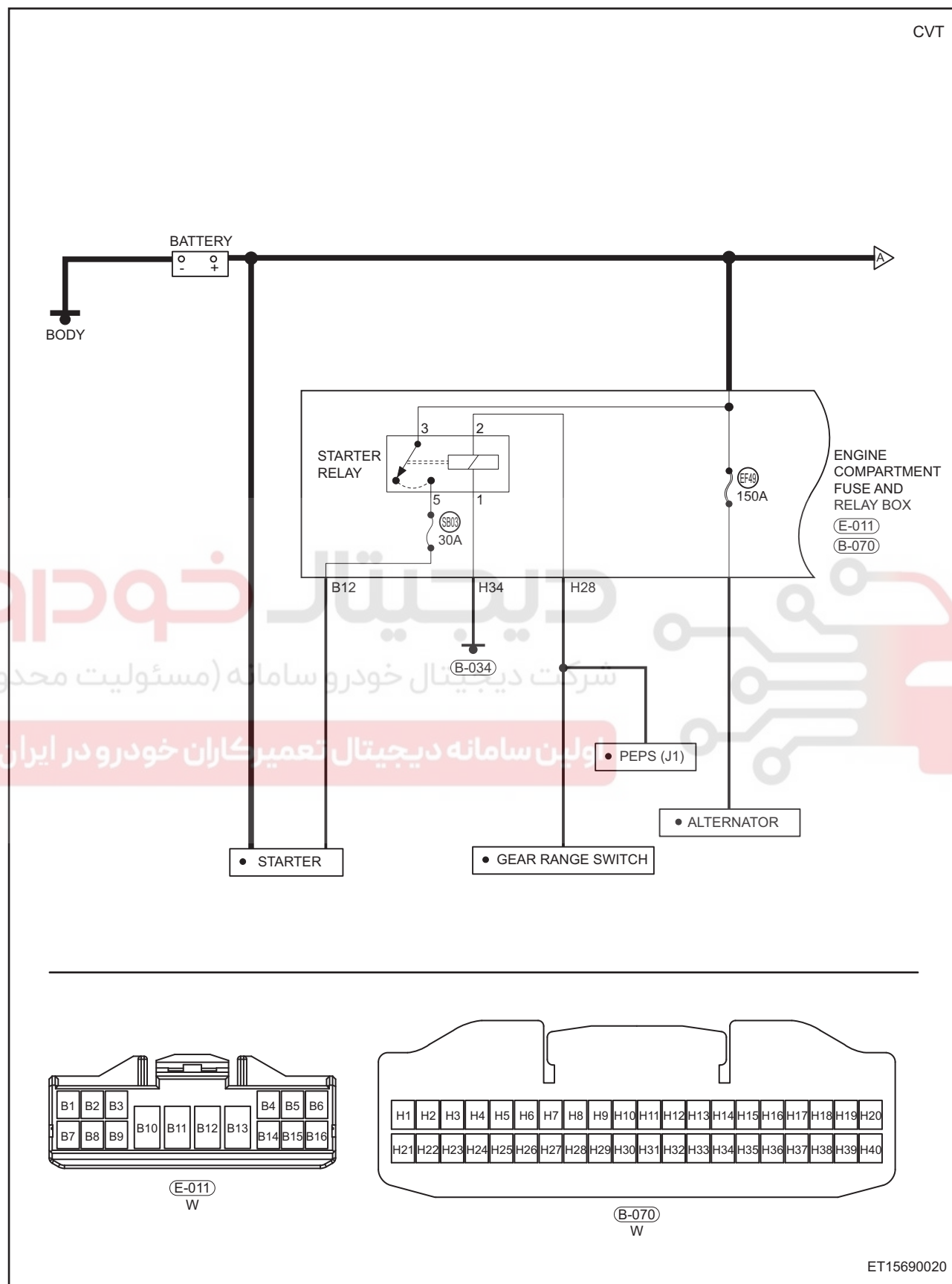
Circuit Diagram

Power Distribution

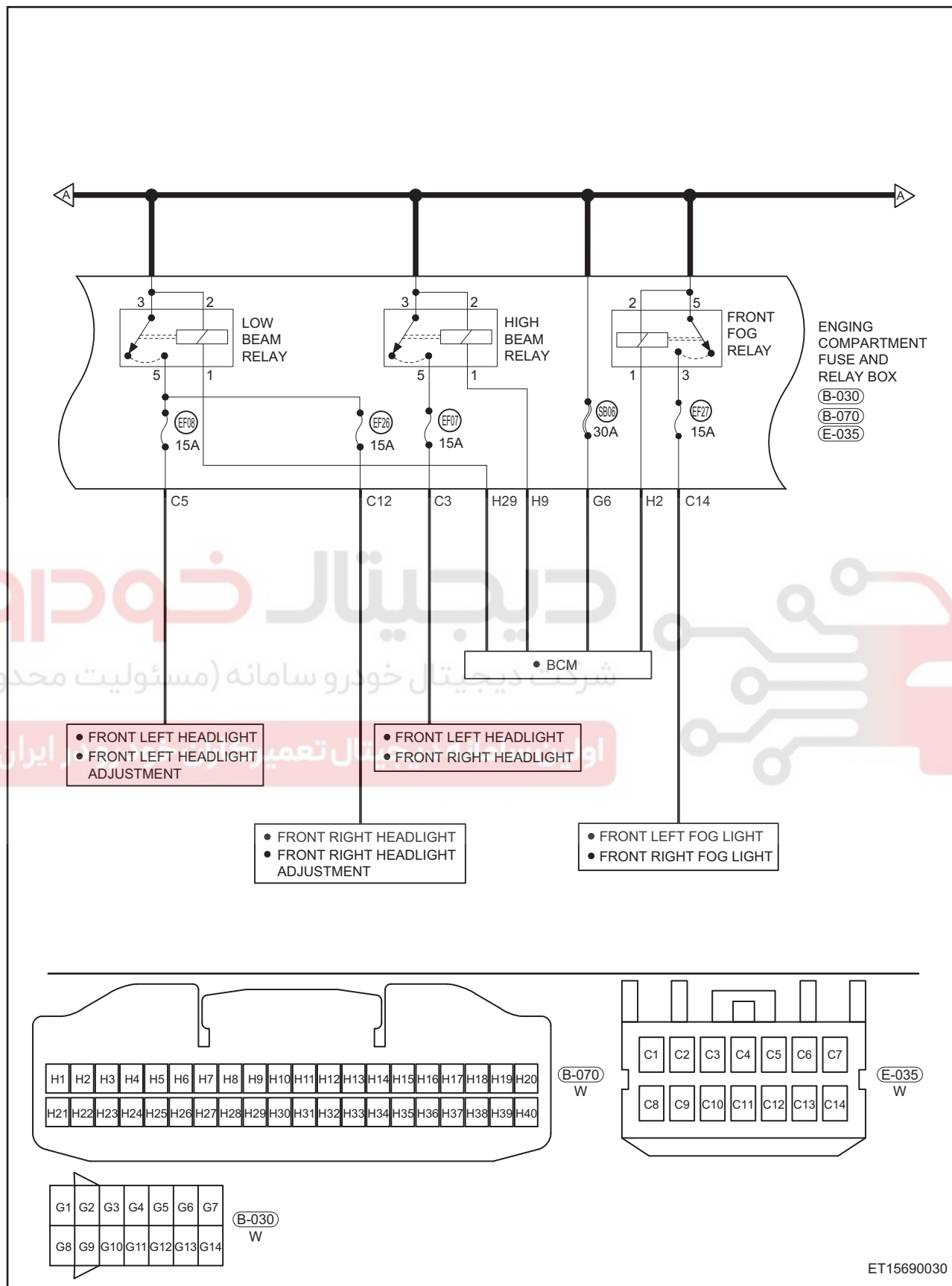
Circuit Diagram (Page 1 of 13)



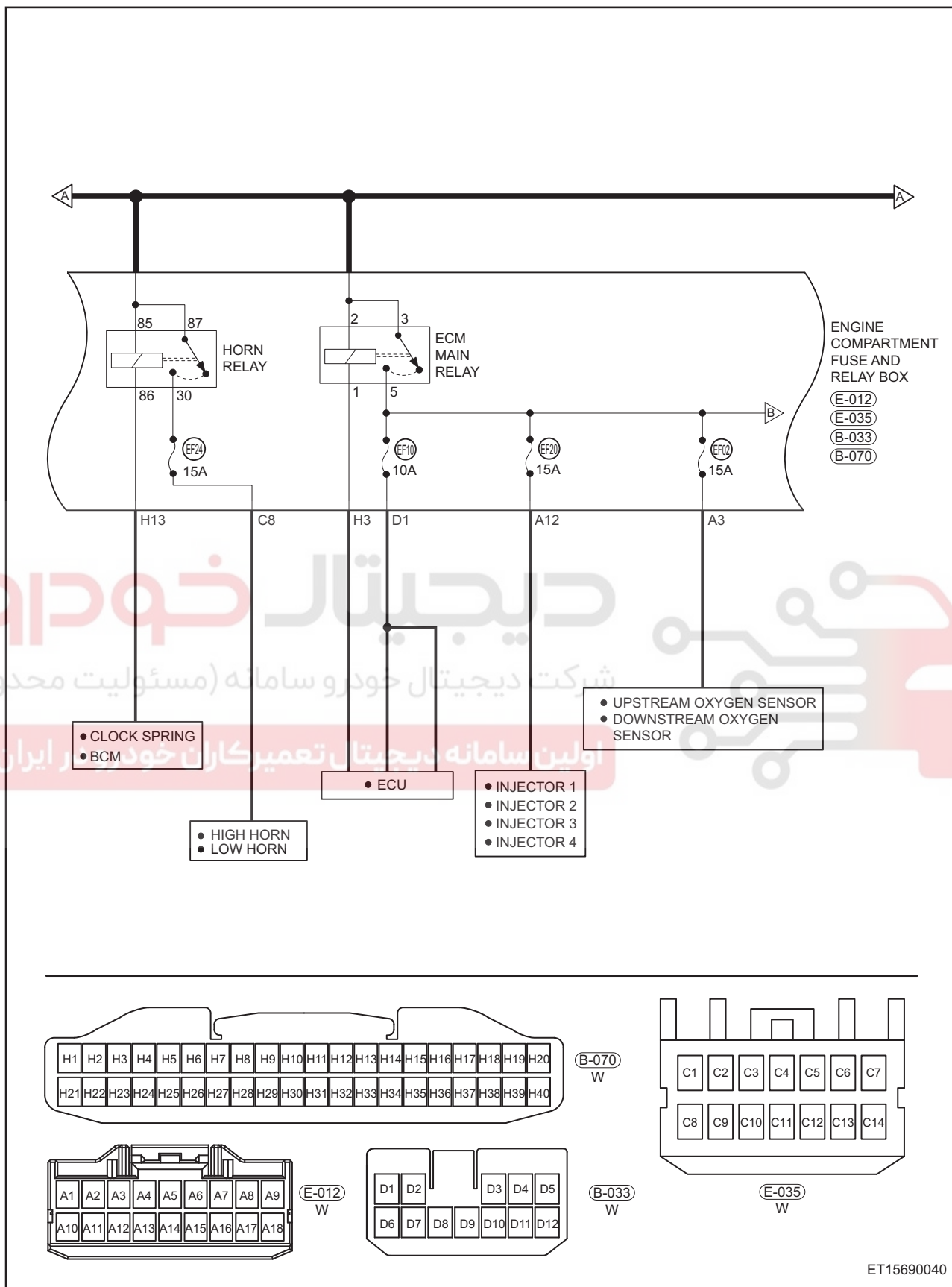
Circuit Diagram (Page 2 of 13)



Circuit Diagram (Page 3 of 13)

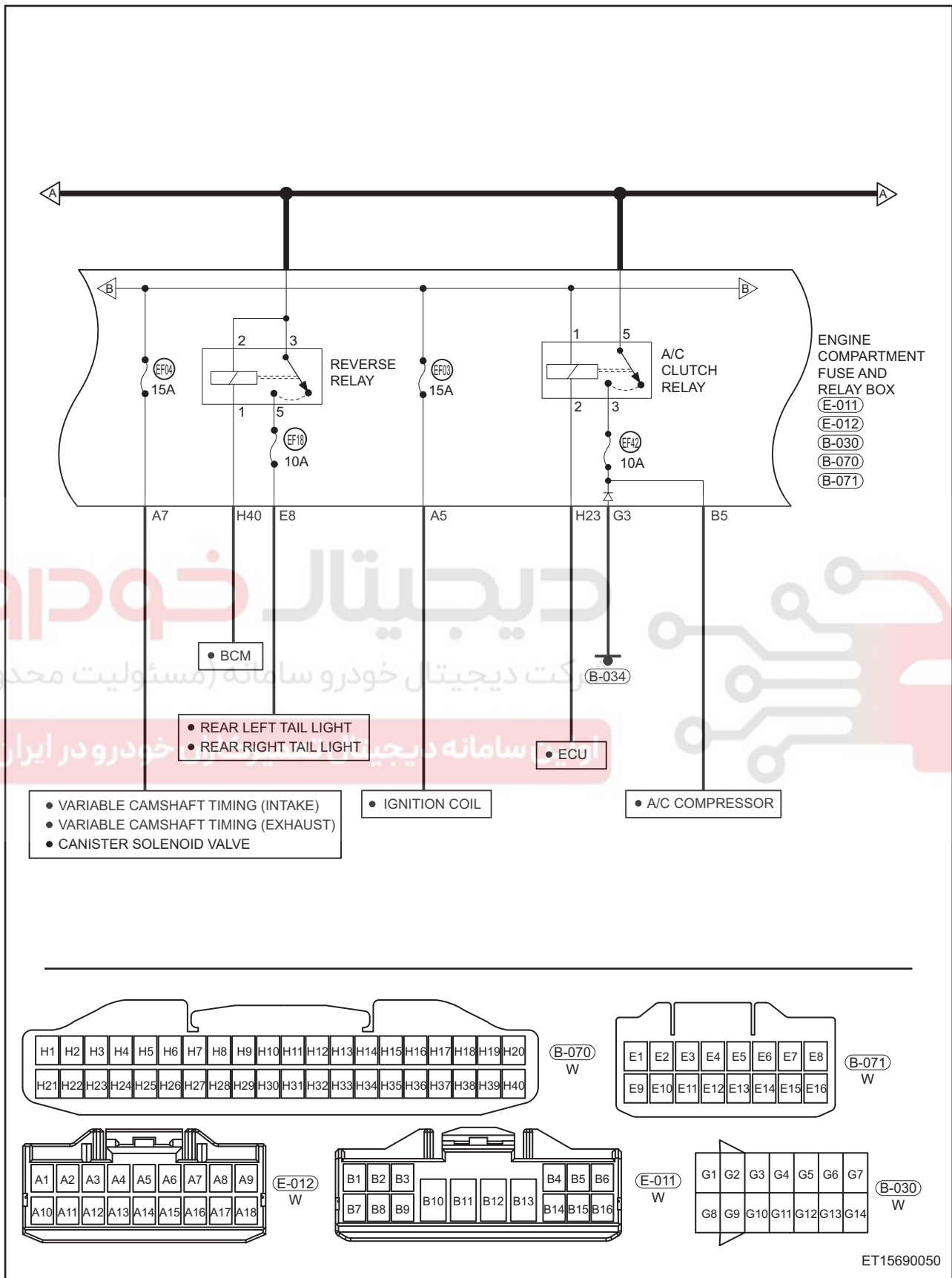


Circuit Diagram (Page 4 of 13)



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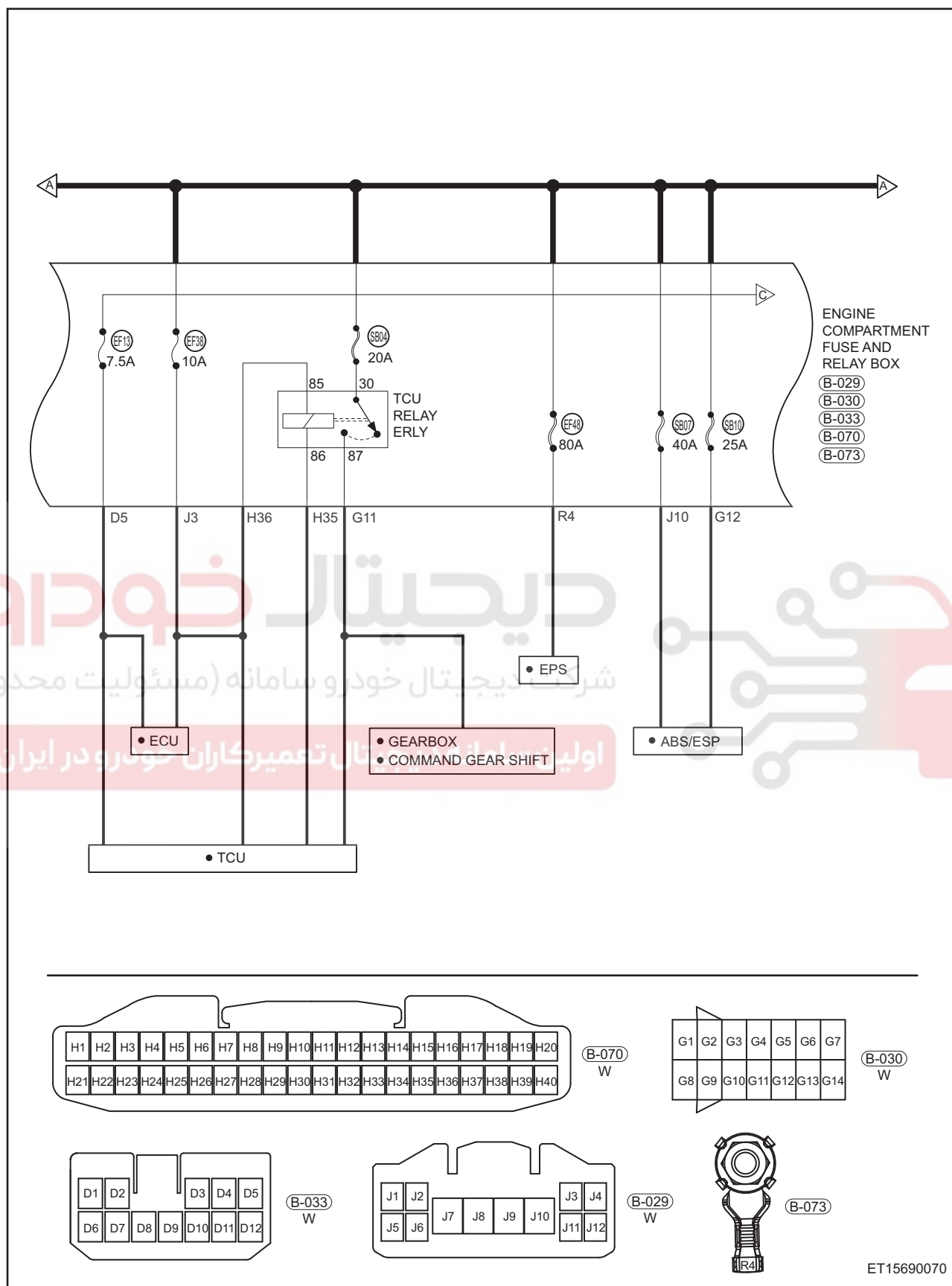
Circuit Diagram (Page 5 of 13)



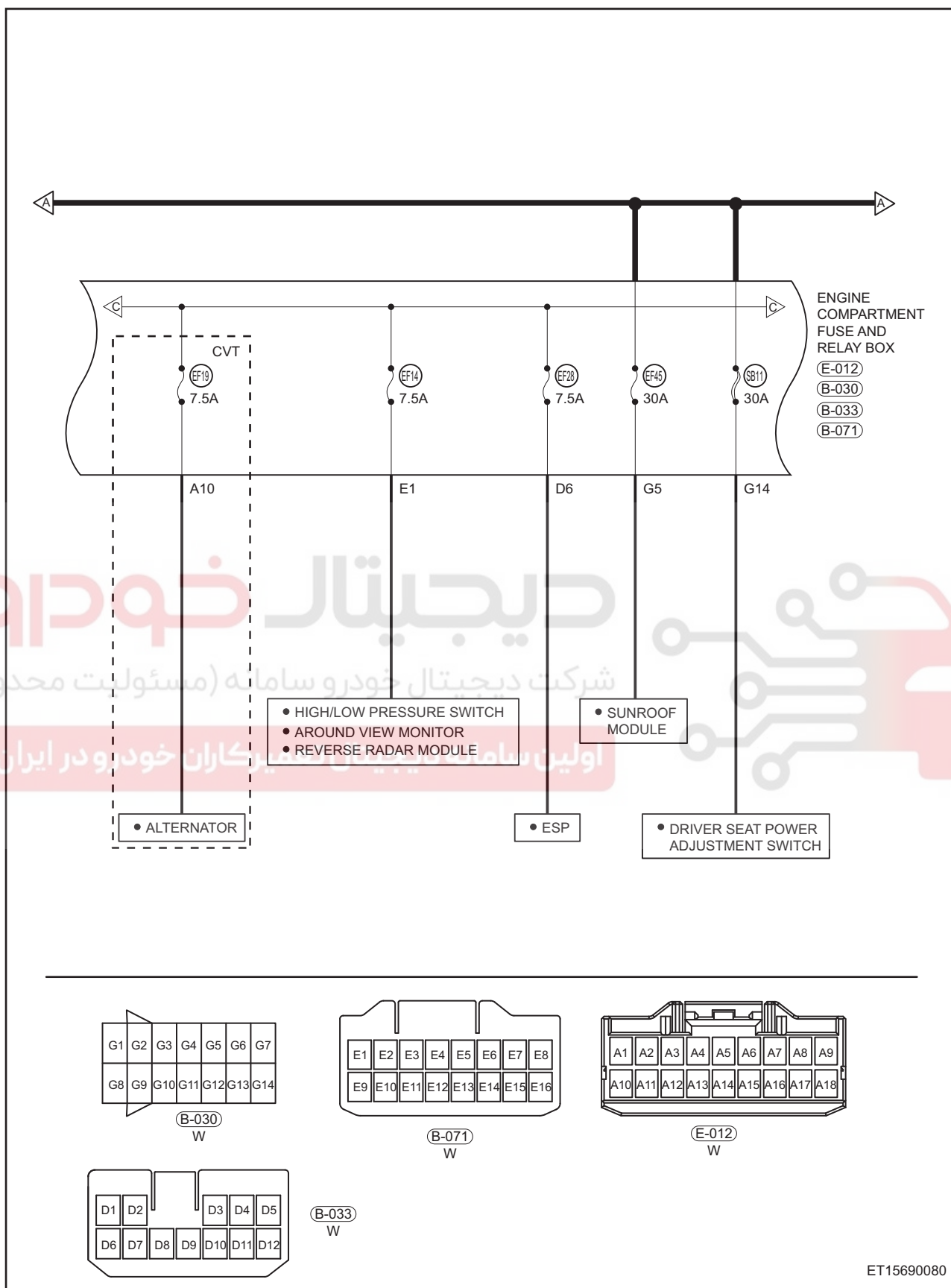
Circuit Diagram (Page 6 of 13)



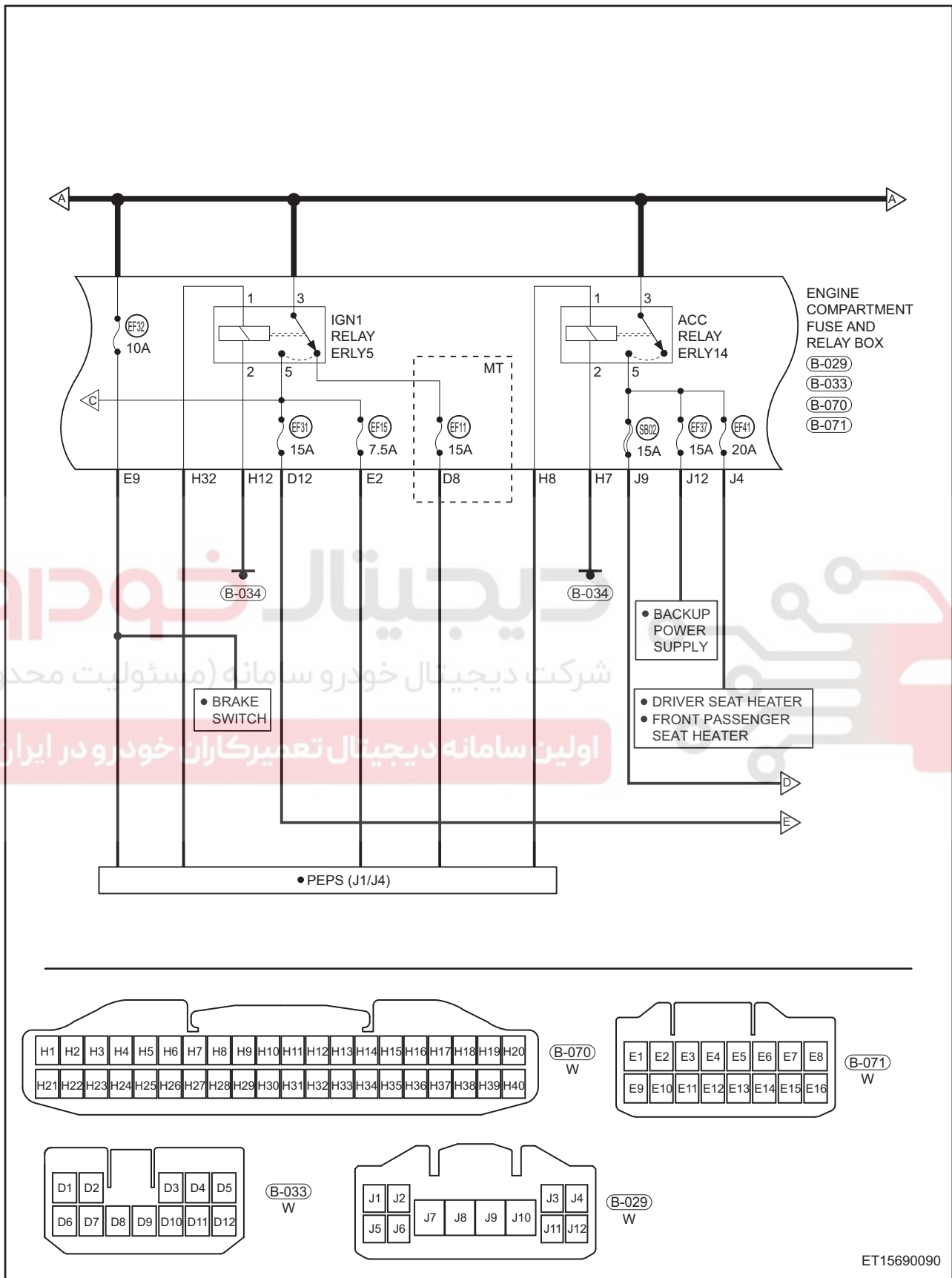
Circuit Diagram (Page 7 of 13)



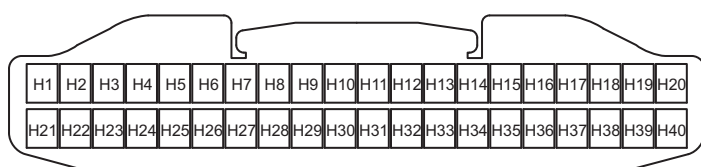
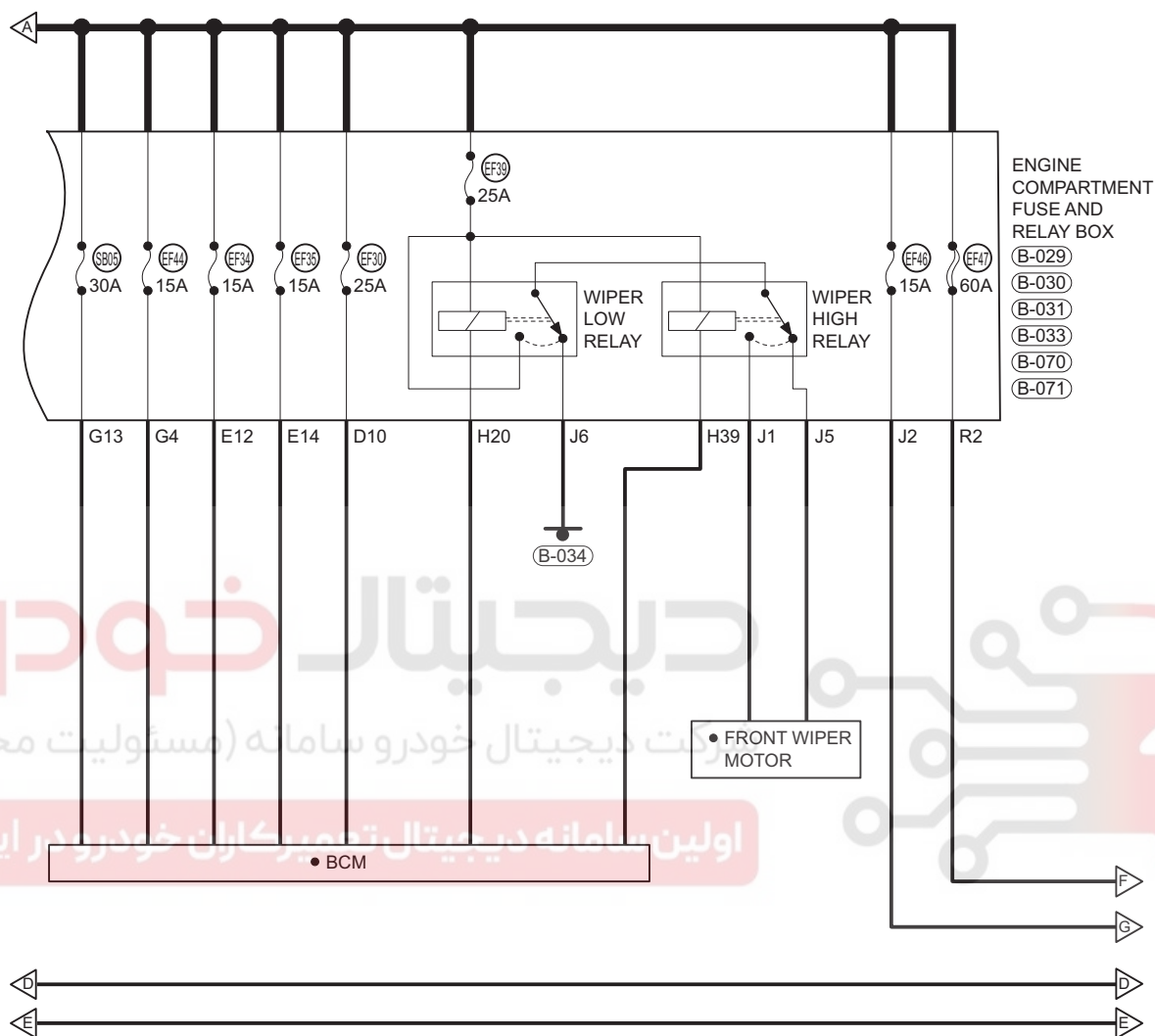
Circuit Diagram (Page 8 of 13)



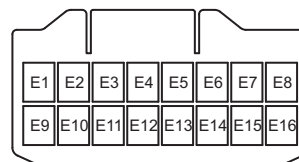
Circuit Diagram (Page 9 of 13)



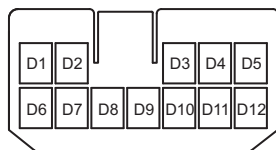
Circuit Diagram (Page 10 of 13)



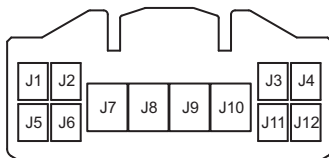
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W



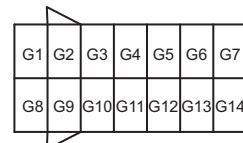
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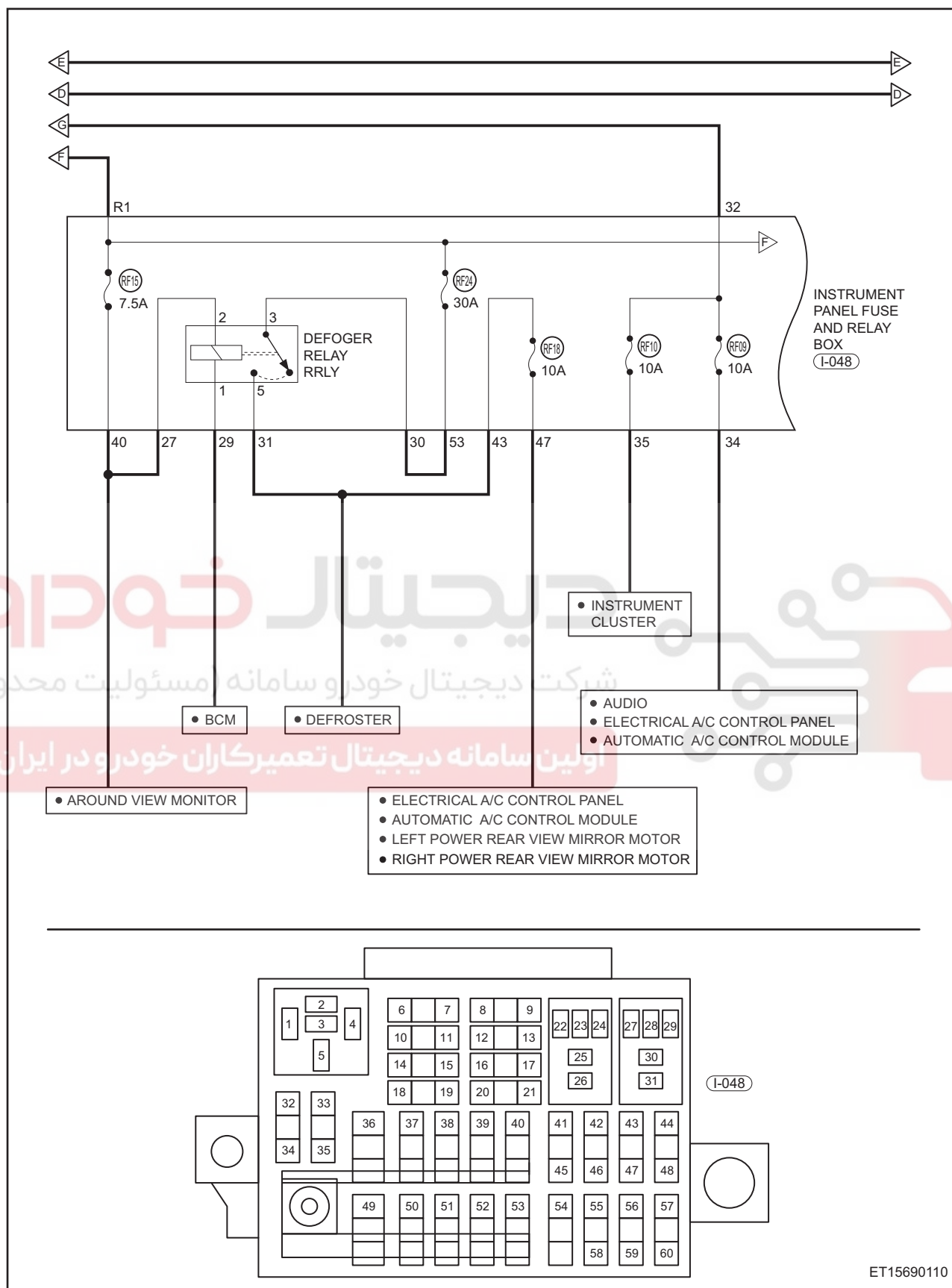


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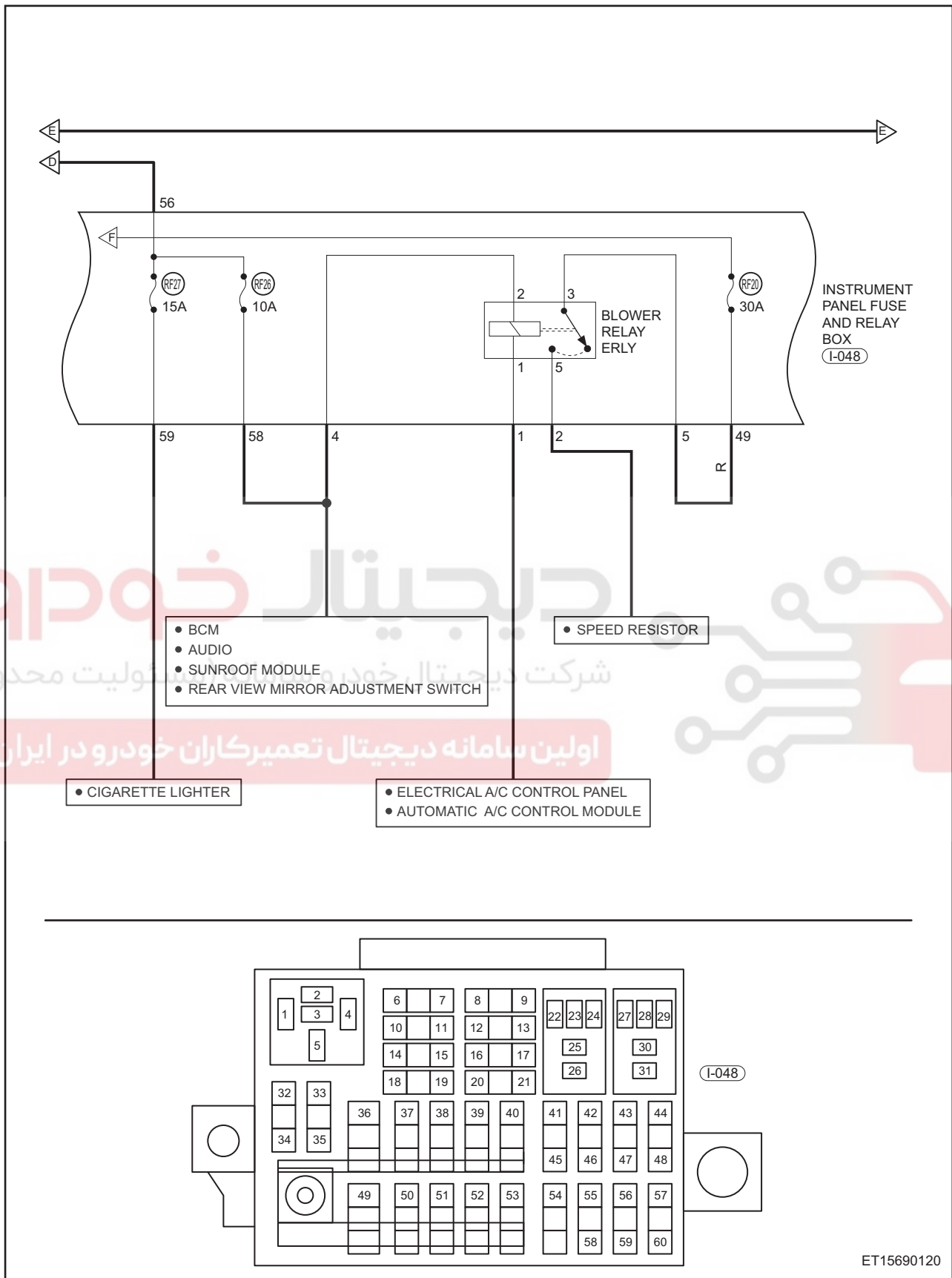


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Circuit Diagram (Page 11 of 13)

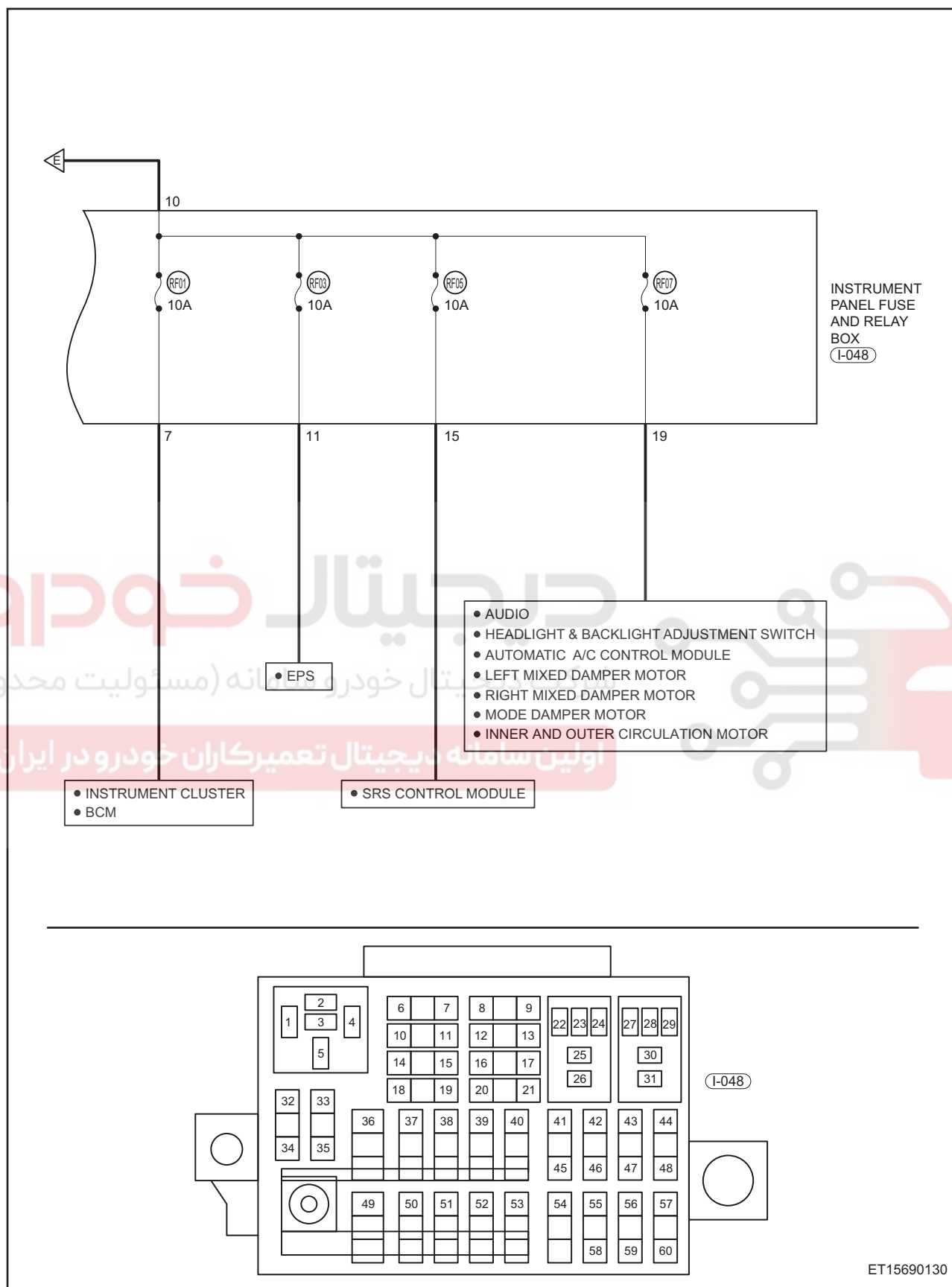


Circuit Diagram (Page 12 of 13)



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Circuit Diagram (Page 13 of 13)



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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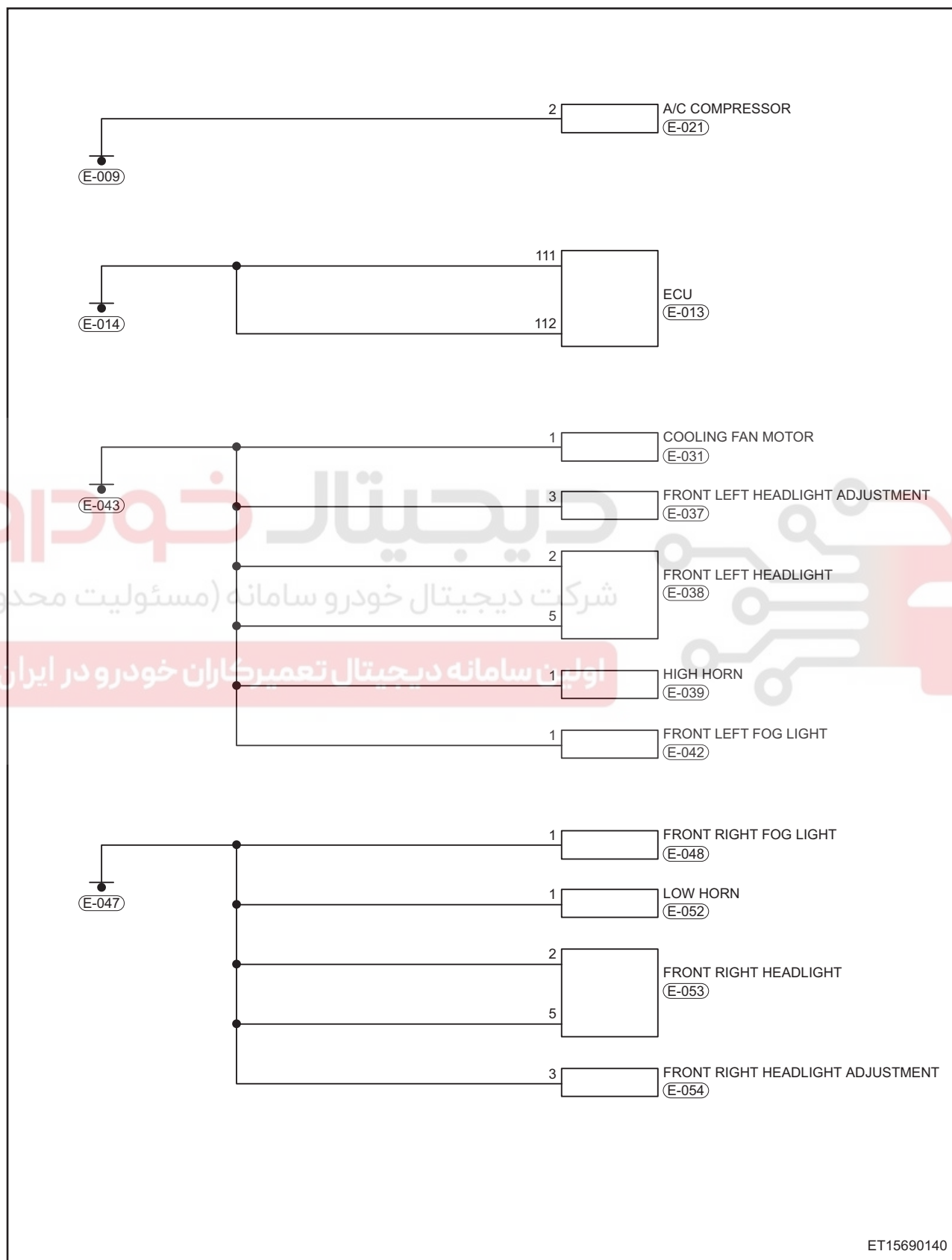
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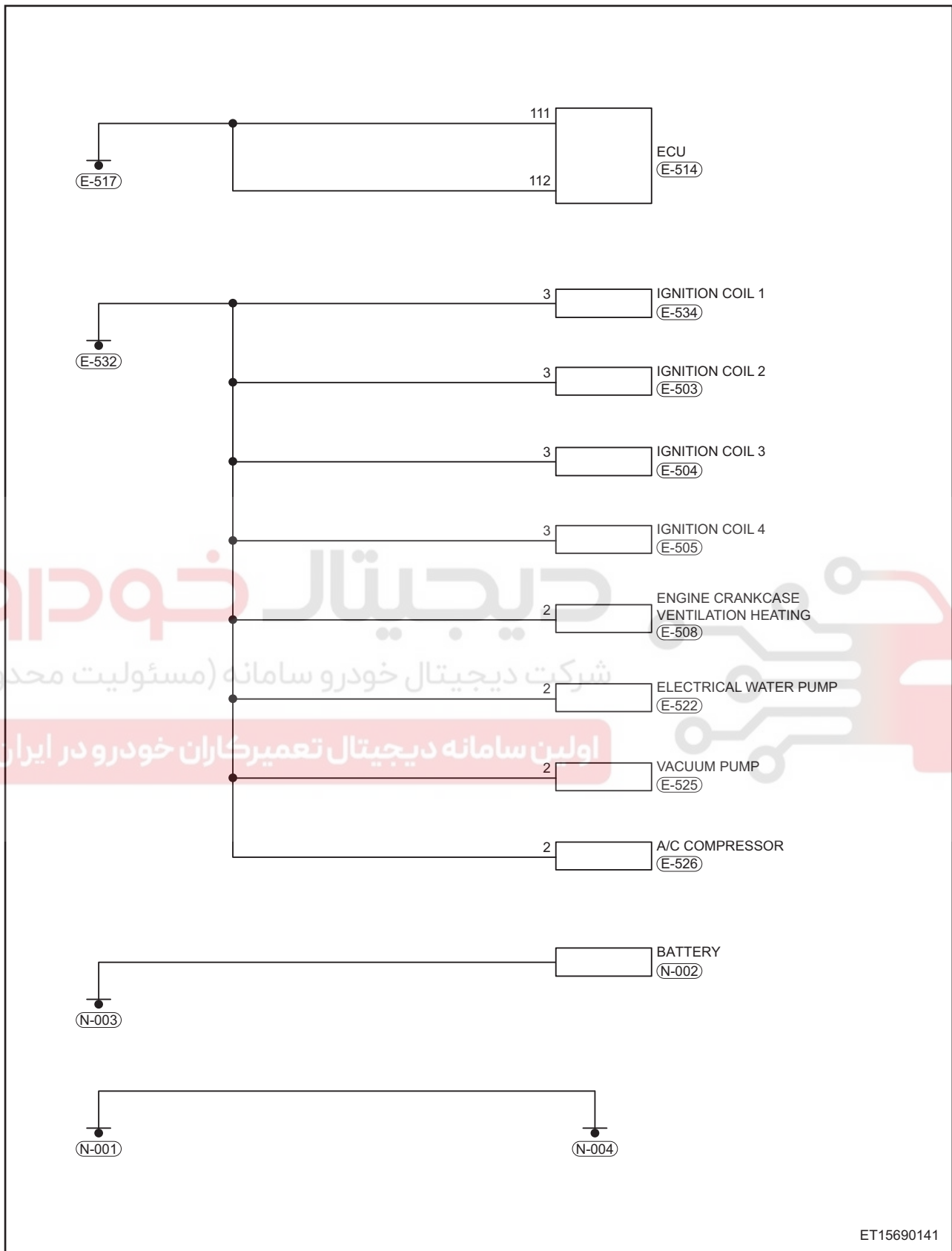
Circuit Diagram

Ground Distribution

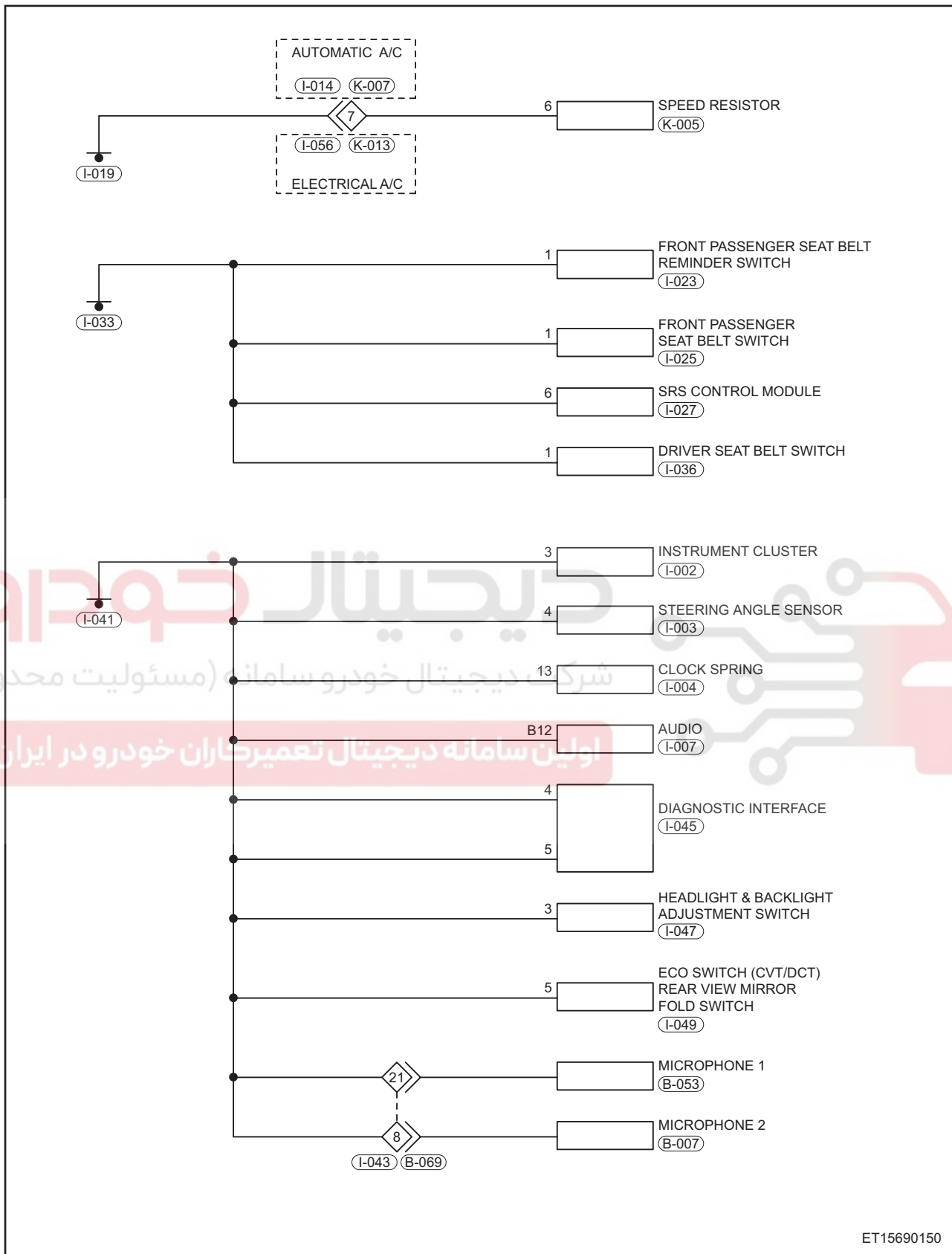
Circuit Diagram (Page 1 of 8)



Circuit Diagram (Page 2 of 8)



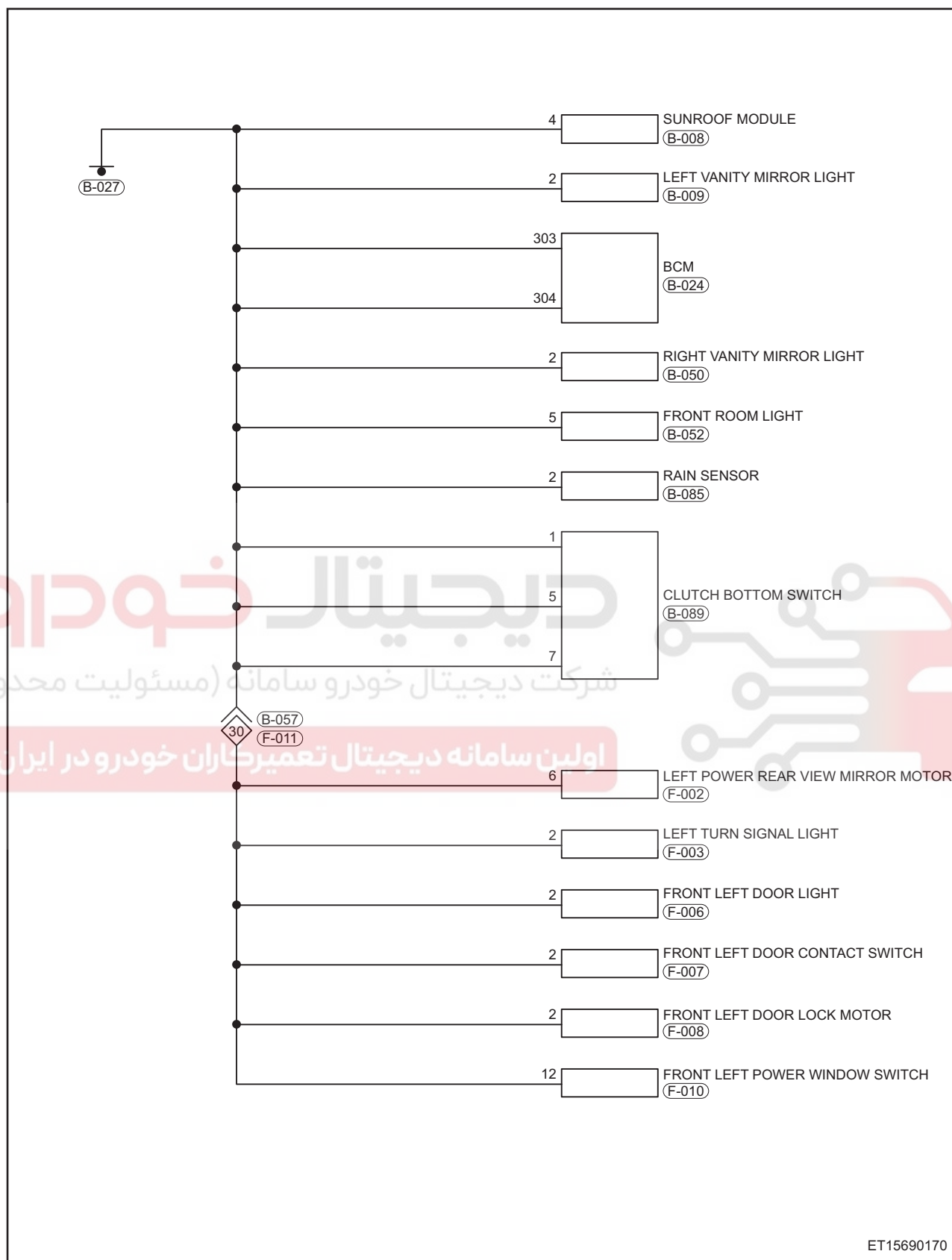
Circuit Diagram (Page 3 of 8)



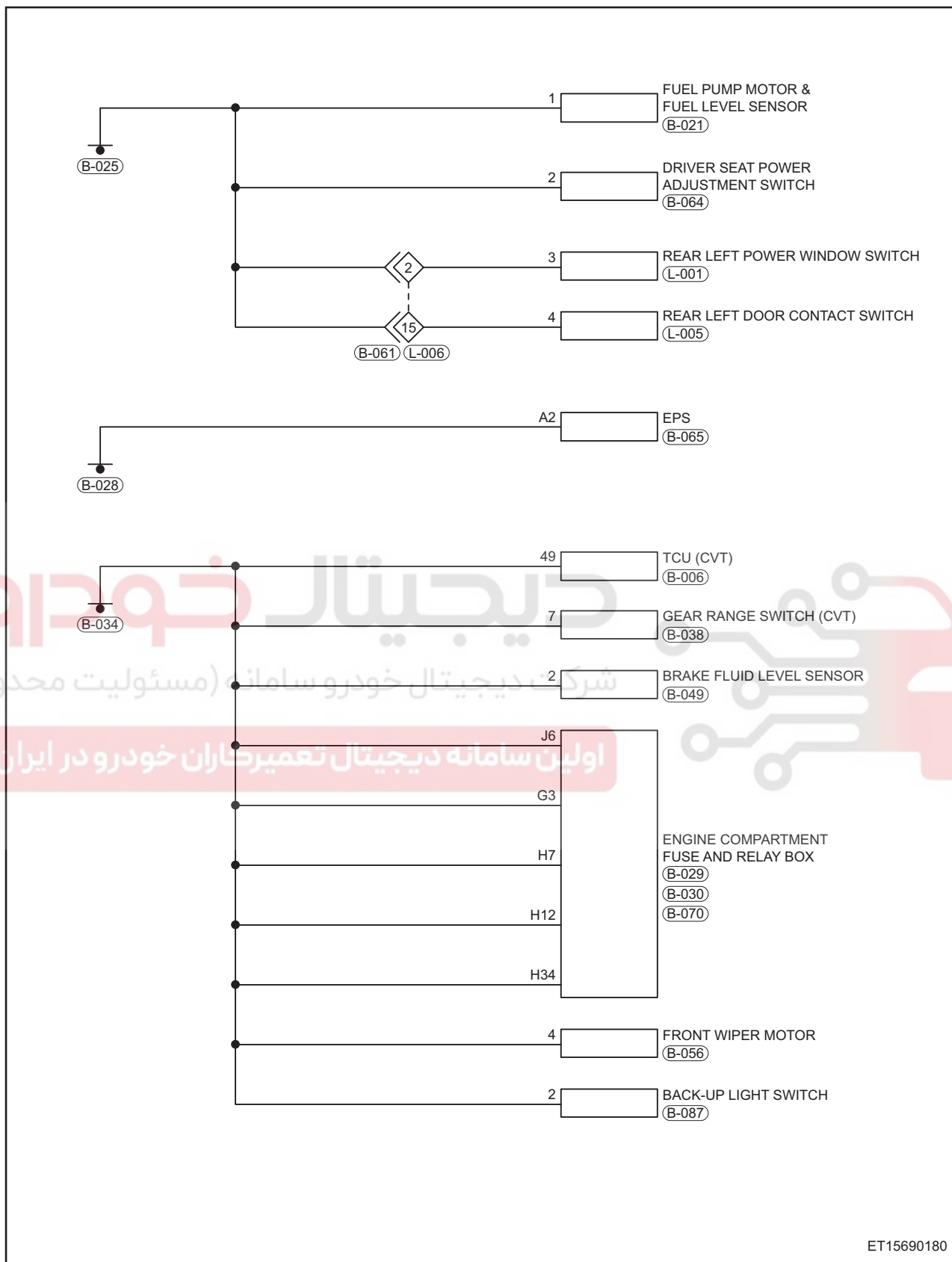
Circuit Diagram (Page 4 of 8)



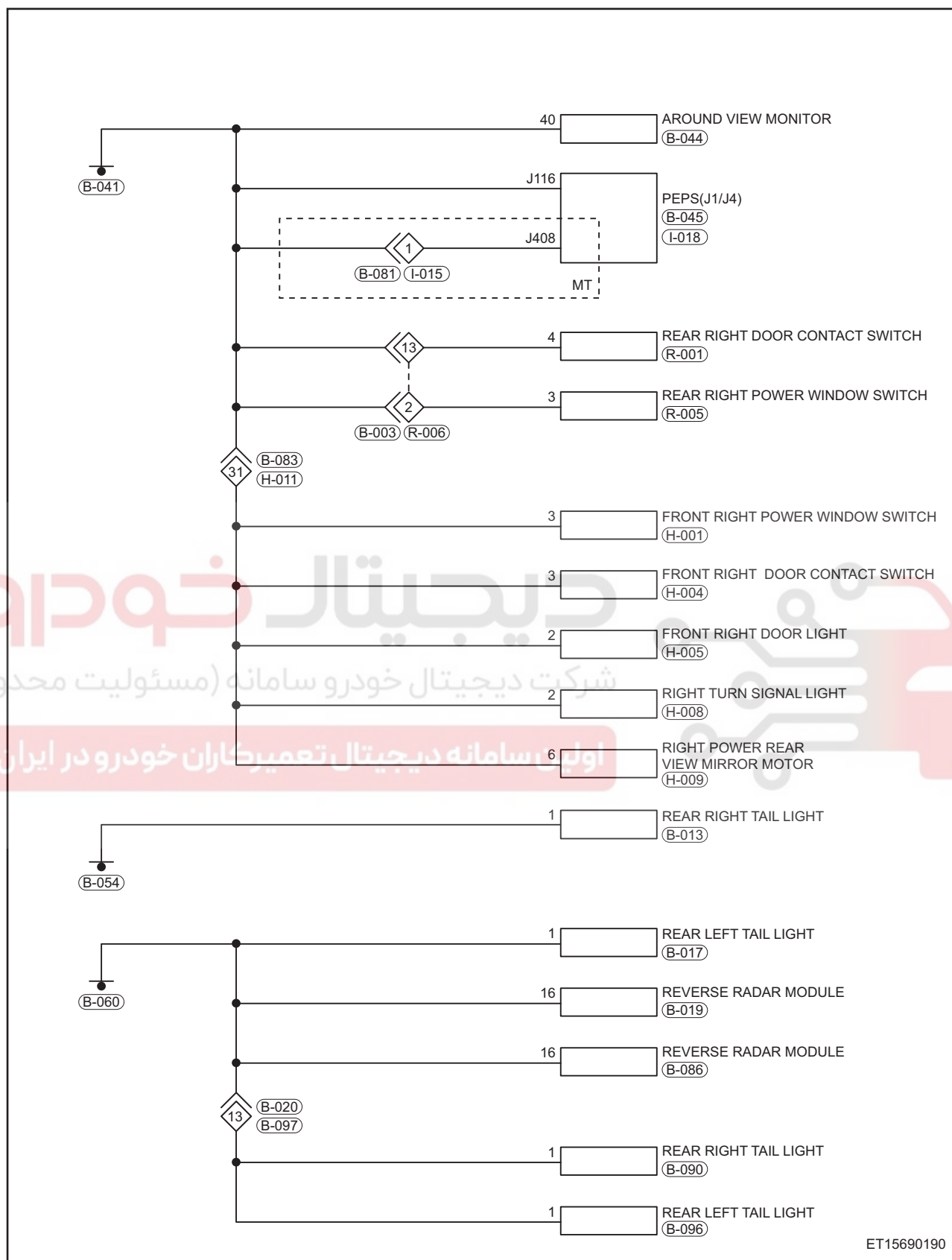
Circuit Diagram (Page 5 of 8)



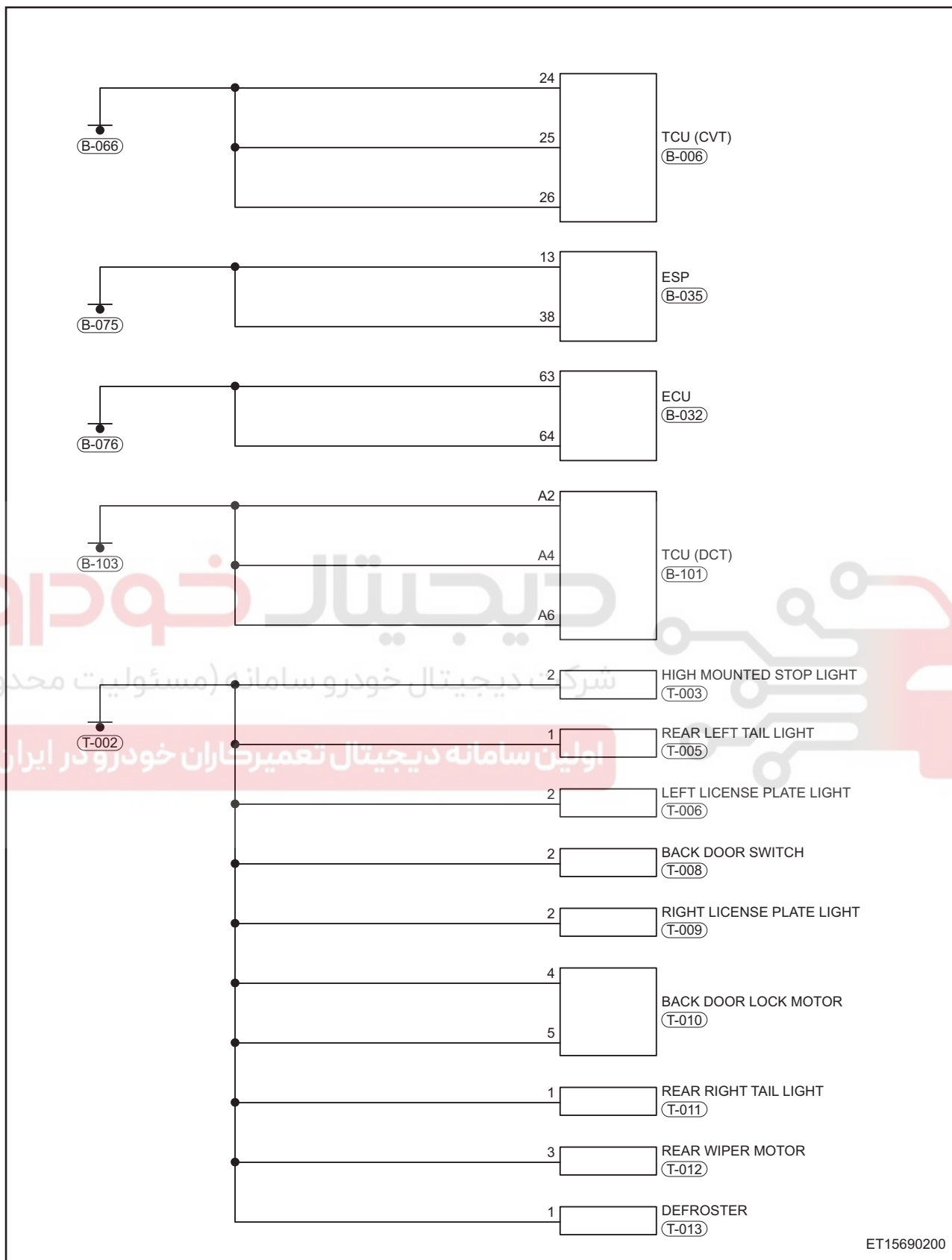
Circuit Diagram (Page 6 of 8)



Circuit Diagram (Page 7 of 8)



Circuit Diagram (Page 8 of 8)



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 rear side of front left combination light.

Instrument panel fuse and relay box: located at lower left side of instrument panel.

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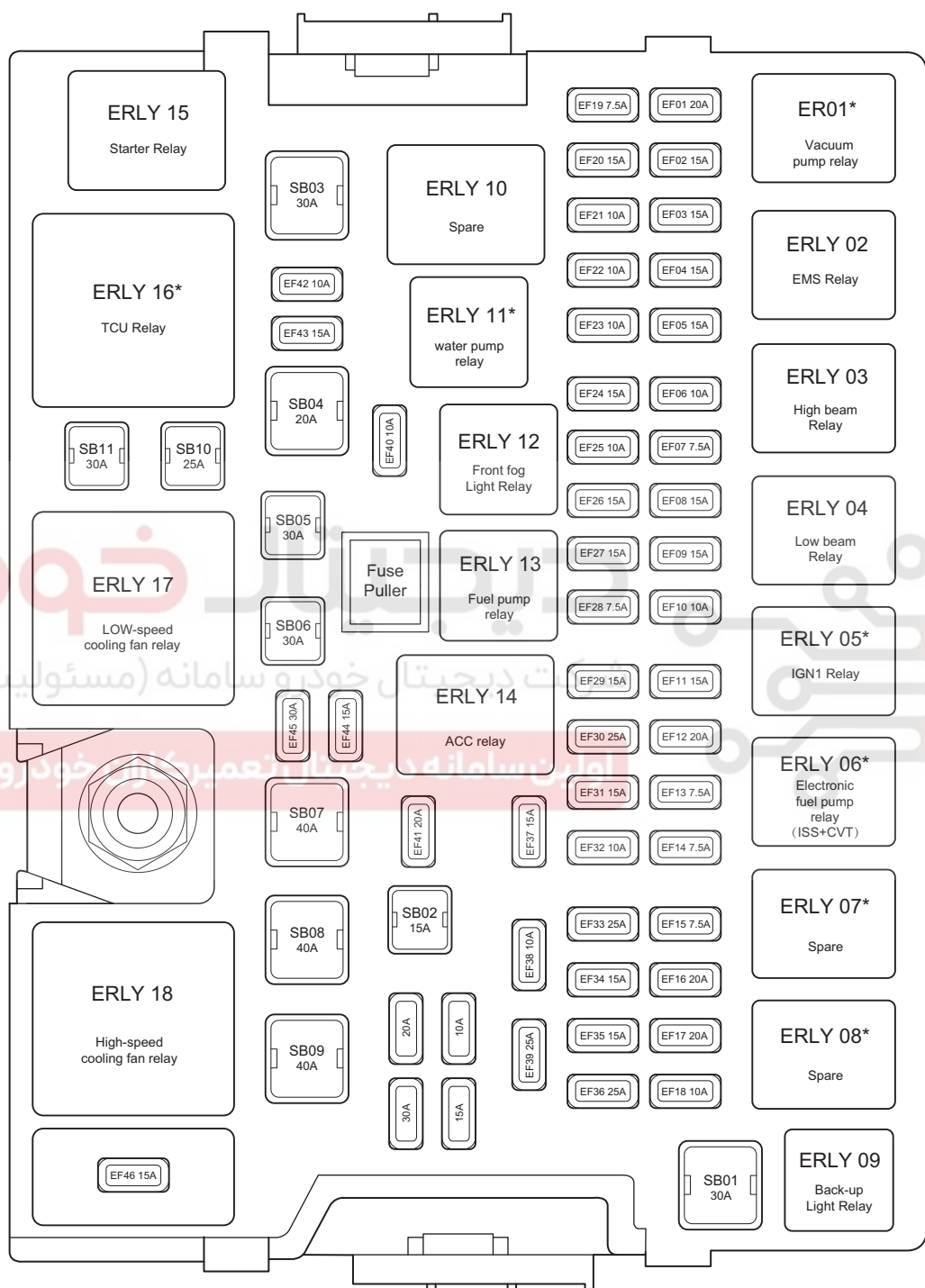
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Fuse & Relay

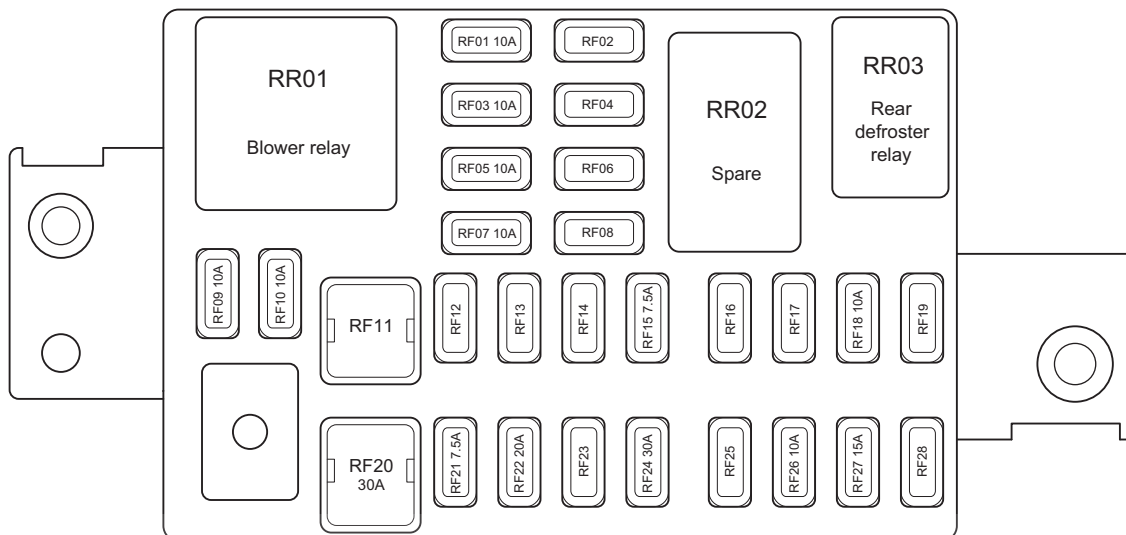
Engine Compartment Fuse and Relay Box



ET15060031

No.	Description	No.	Description	No.	Description
EF01	Vacuum Pump*	EF21	Reserve	EF41	Seat Heating*
EF02	Oxygen Sensor	EF22	Water Pump*	EF42	Air Conditioning Compressor
EF03	Ignition Coil 3#	EF23	POD & PPD & EAC*	EF43	Reserve*
EF04	ECU Solenoid Valve	EF24	Horn	EF44	BCM 4
EF05	PPD & HVH	EF25	Left Headlight High Beam*	EF45	Sunroof*
EF06	Reserve	EF26	Right Headlight Low Beam	EF46	Marine Insurance
EF07	Right Headlight High Beam	EF27	Front Fog Light	EF51	-
EF08	Left Headlight Low Beam	EF28	ESP & ABS & ACM*	SB01	Reserve
EF09	Reserve*	EF29	Fuel Pump	SB02	ACC
EF10	ECU & Fan Controller with Hybrid System	EF30	BCM 6	SB03	Starter/Drive Chain
EF11	PEPS*	EF31	IGN 1*	SB04	TCU/DCT
EF12	LT & PTC Water Pump*	EF32	Brake Switch & PEPS & DCT 30+	SB05	BCM 2
EF13	ECU & TCU Brake Switch 15+ & Reversing Sensor & IPU with Hybrid System	EF33	ACM*	SB06	BCM 1
EF14	Inner Rear View Mirror & A/C Pressure Switch & Reversing Radar	EF34	BCM 5	SB07	ESP/ABS
EF15	PEPS & 4WD*	EF35	BCM 3	SB08	EPB*
EF16	Electronic Oil Pump*	EF36	Reserve*	SB09	ACM/EPB*
EF17	Reserve*	EF37	Spare Power 2	SB10	ESP/ABS
EF18	Back-up Light	EF38	ECU & TCU 30+	SB11	Seat Adjustment SEAT*
EF19	Alternator Excitation	EF39	Wiper		
EF20	Injector	EF40	4WD & IPU		

Instrument Panel Fuse and Relay Box



ET15060121

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No.	Description	No.	Description	No.	Description
RF01	BCM 2-17#	RF11	-	RF21	-
RF02	-	RF12	-	RF22	-
RF03	Steering Wheel Rotation Angle Sensor 3#, EPS 1#	RF13	-	RF23	-
RF03	Main Blind Spot Monitor Radar 5#, Auxiliary Blind Spot Monitor Radar 5#	RF14	-	RF24	Power Supply of Rear DEF Relay Output Terminal
RF05	Airbag Module 5#	RF15	Around View Monitor 20#	RF25	-
RF06	-	RF16	-	RF26	Mirror Adjustment Switch 7#, BCM 2-5#, Sunroof 2#
RF07	A/C Wire Harness Interface 13#, Audio Head Unit C2#, Automatic A/C Panel 6#, Headlight Adjustment Switch 6#, DCT Shift Mechanism 6#	RF17	-	RF27	Cigarette Lighter 1#

No.	Description	No.	Description	No.	Description
RF08	-	RF18	A/C Panel 14#, Left/ Right Outside Rear View Mirror 5#, A/C Wire Harness Interface 14#	RF28	-
RF09	A/C Wire Harness Interface 11#, Audio Head Unit C2#, Audio Head Unit B15#, Automatic A/C Panel 4#	RF19	-		
RF10	Instrument Cluster 11#, Rain Sensor 1#	RF20	Power Supply of Blower Relay Output Terminal		

دیجیتال خودرو

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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.

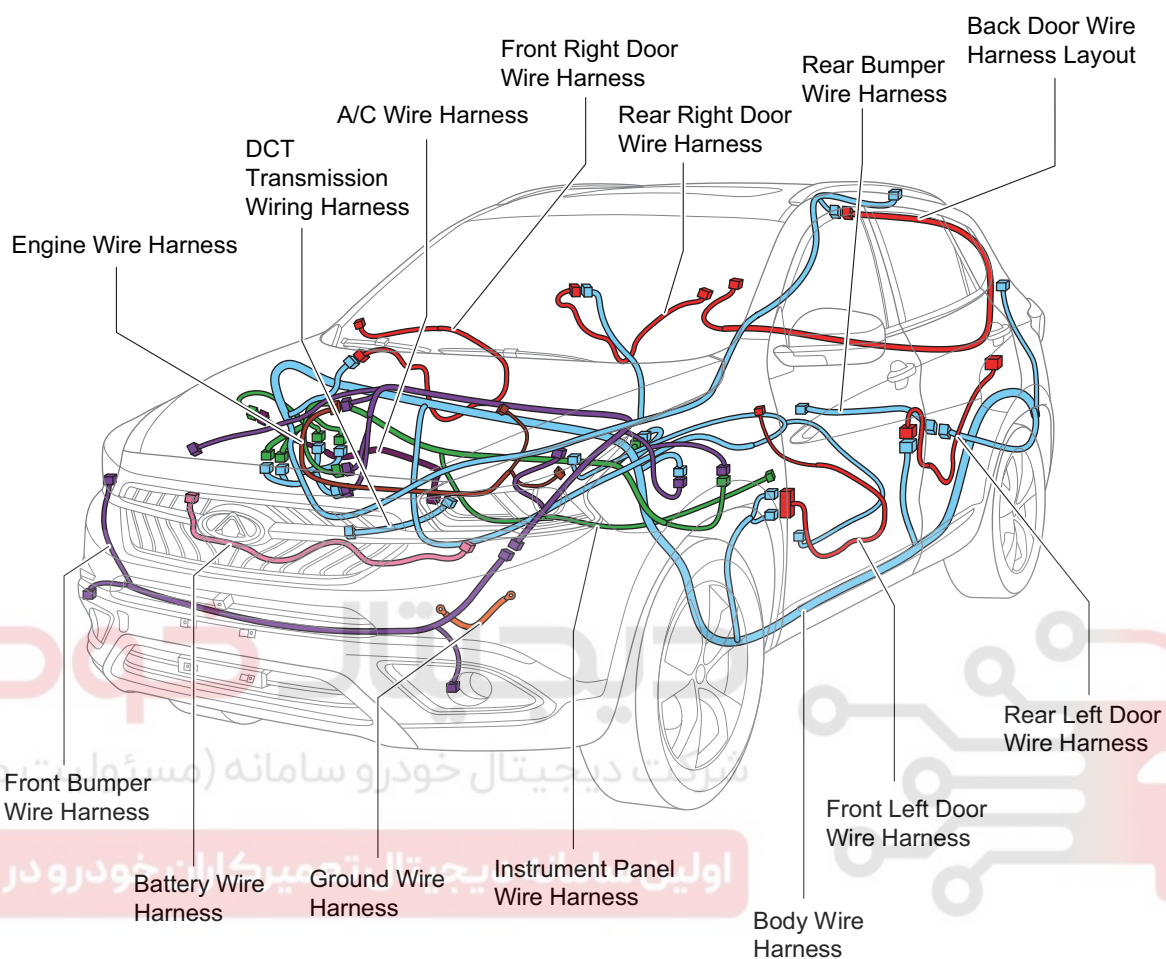
The entire vehicle wire harnesses are divided into the following parts:

- Engine wire harness (for 2.0 model)
- Engine wire harness (for E4T15 model)
- Engine wire harness (for E4T15B model)
- Front bumper wire harness
- Instrument panel wire harness
- Body wire harness (for 2.0 model)
- Body wire harness (for 1.5TCI model)
- Rear bumper wire harness
- DCT transmission wire harness
- Front left door wire harness
- Front right door wire harness
- Rear left door wire harness
- Rear right door wire harness
- Back door wire harness
- Electrical A/C system wire harness
- Automatic A/C system wire harness
- Battery/ground wire harness

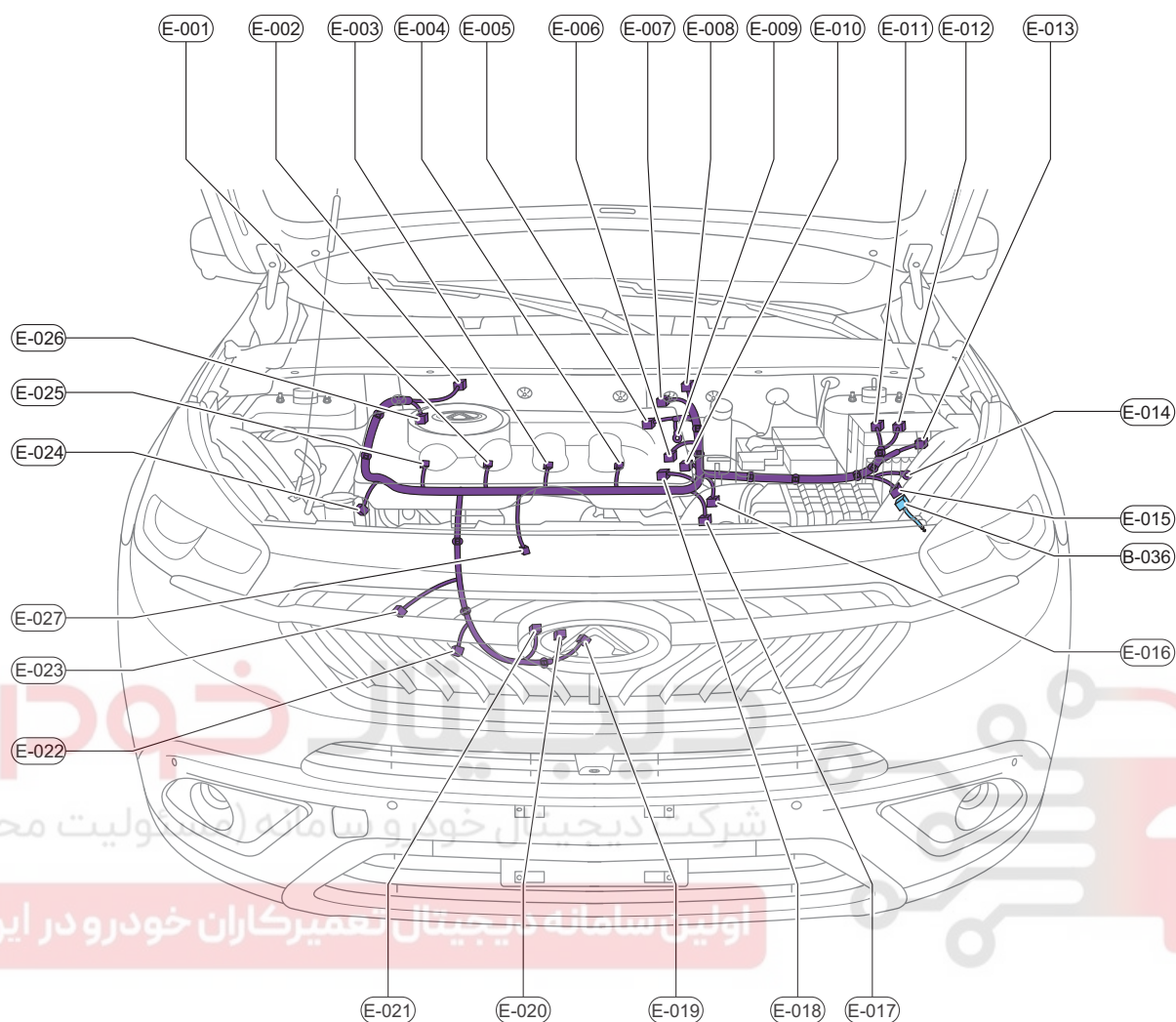


Vehicle Wire Harness Layout

Entire Vehicle Wire Harness Layout



Engine Wire Harness (For 2.0 Model)



ET15080021

No.	Color/Terminal	Name
E-001	B/2	Injector 2
E-002	B/4	Downstream Oxygen Sensor
E-003	B/2	Injector 3
E-004	B/2	Injector 4
E-005	B/3	Camshaft Position Sensor (Exhaust)
E-006	B/2	Ignition Coil
E-007	B/3	Engine Speed Sensor
E-008	B/4	Upstream Oxygen Sensor
E-009	-	Ground G401
E-010	B/2	Coolant Temperature Sensor
E-011	W/16	Engine Compartment Fuse and Relay Box (B)
E-012	W/18	Engine Compartment Fuse and Relay Box (A)

No.	Color/Terminal	Name
E-013	B/48	ECU-A
E-014	-	Ground G402
E-015	B/8	to Body Wire Harness Connector B-036
E-016	B/3	Knock Sensor
E-017	B/6	Electronic Throttle
E-018	B/3	Camshaft Position Sensor (Intake)
E-019	B/1	Oil Pressure Switch
E-020	B/1	Starter Control
E-021	B/2	A/C Compressor
E-022	B/4	Intake Pressure/Temperature Sensor
E-023	B/3	Alternator
E-024	B/2	Variable Camshaft Timing (Intake)
E-025	B/2	Injector 1
E-026	B/2	Variable Camshaft Timing (Exhaust)
E-027	B/2	Canister Solenoid Valve

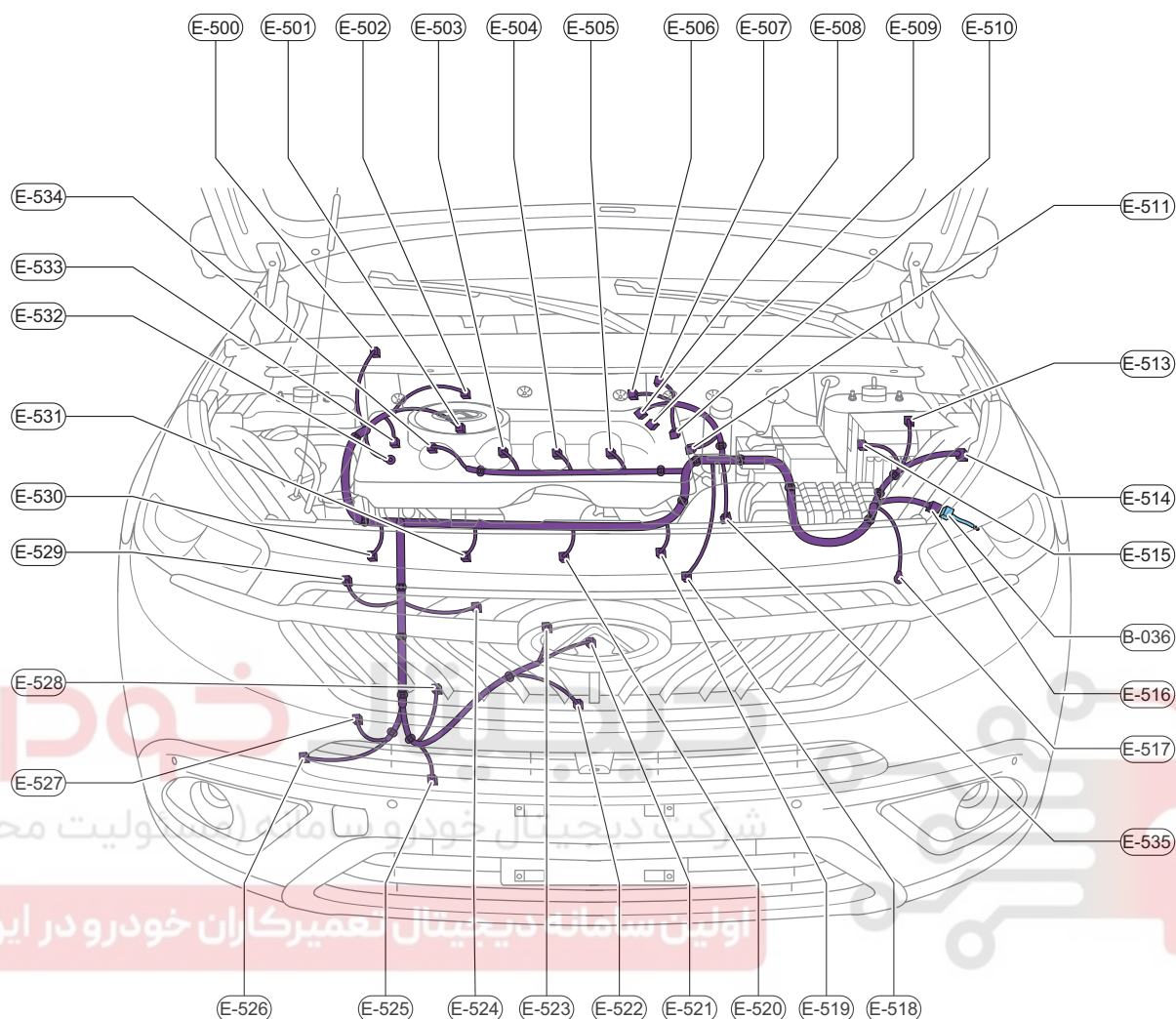
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Engine Wire Harness (For E4T15 Model)

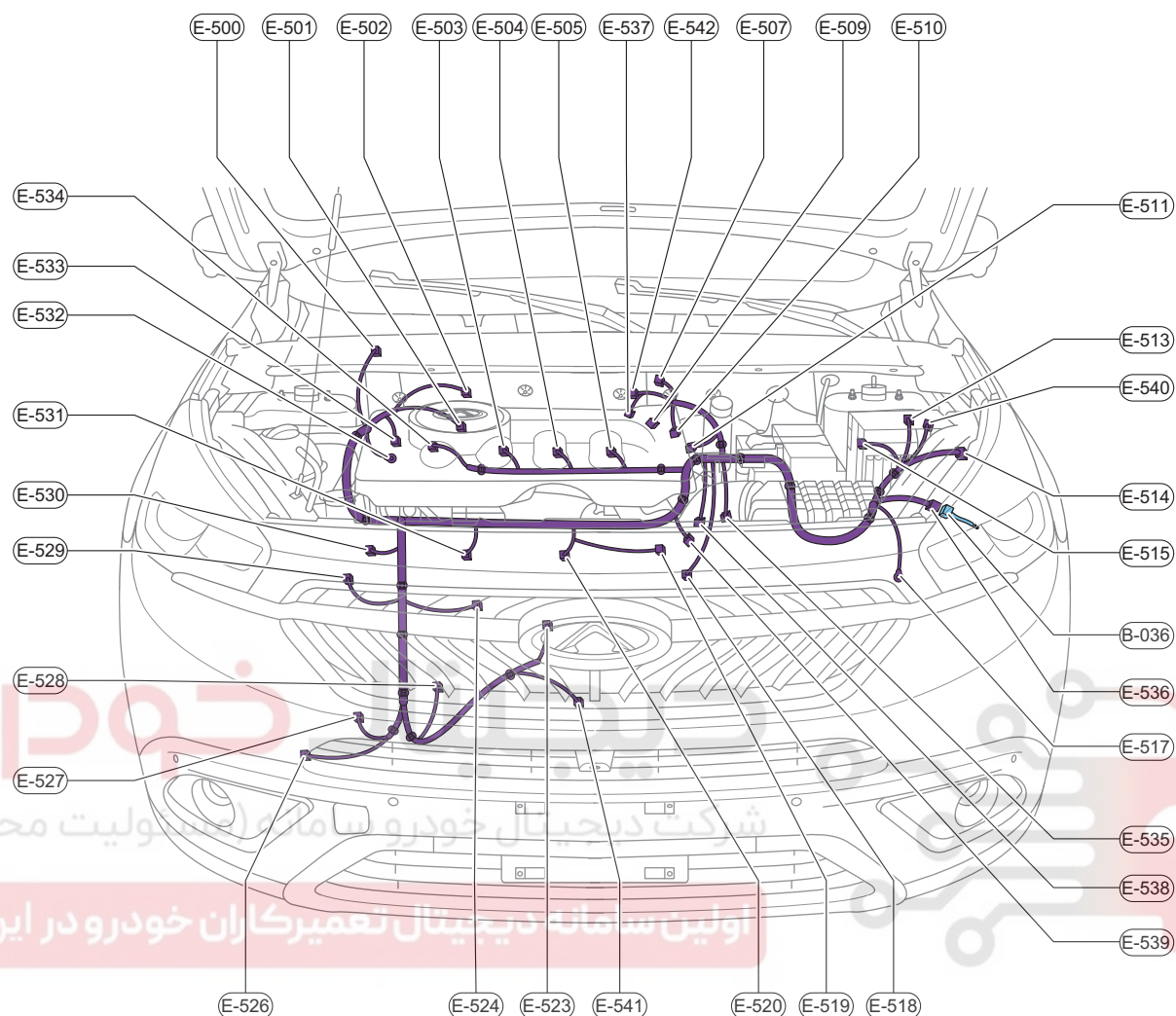


ET15080020

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-503	B/3	Ignition Coil 2
E-504	B/3	Ignition Coil 3
E-505	B/3	Ignition Coil 4
E-506	B/2	Engine Speed Sensor
E-507	B/2	ERCV Relief Valve
E-508	B/2	Engine Crankcase Ventilation Heating
E-509	B/3	Camshaft Position Sensor (Exhaust)
E-510	B/2	Exhaust Gas Control Valve
E-511	B/2	Coolant Temperature Sensor

No.	Color/Terminal	Name
E-513	W/16	Engine Compartment Fuse and Relay Box (B)
E-514	B/48	ECU-A
E-515	W/18	Engine Compartment Fuse and Relay Box (A)
E-516	B/8	to Body Wire Harness Connector B-036
E-517	-	Ground G402
E-518	B/2	Canister Solenoid Valve
E-519	B/2	Injector 4
E-520	B/2	Injector 3
E-521	B/6	Electronic Throttle
E-522	B/2	Electrical Water Pump
E-523	B/1	Starter Control
E-524	B/4	Intake Pressure/Temperature Sensor
E-525	B/2	Vacuum Pump
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-532	-	Ground G401
E-533	B/2	Variable Camshaft Timing (Exhaust)
E-534	B/3	Ignition Coil 1
E-535	B/3	Camshaft Position Sensor (Intake)

Engine Wire Harness (For E4T15B Model)

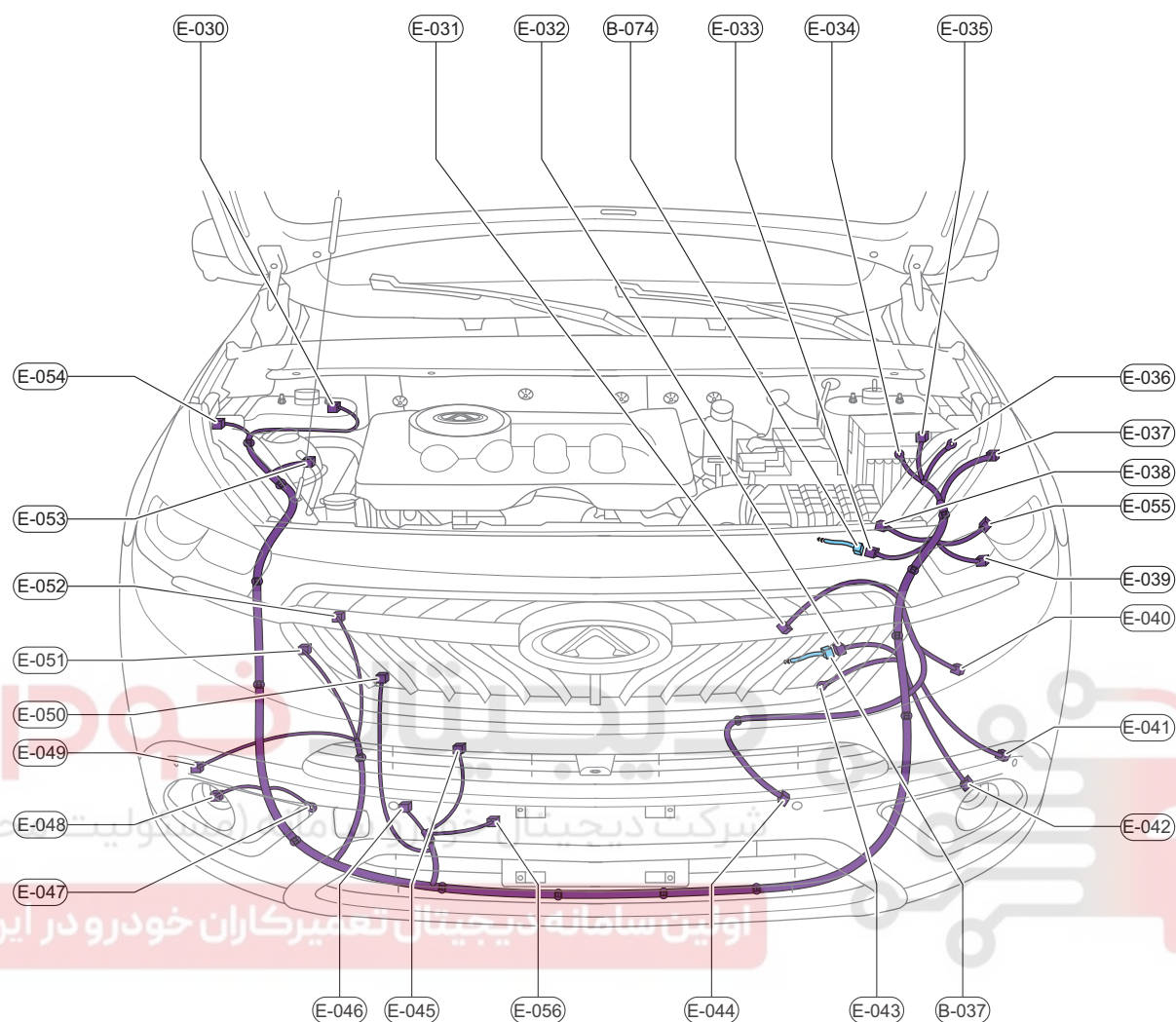


ET15080025

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-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-508	B/2	Engine Crankcase Ventilation Heating
E-509	B/3	Camshaft Position Sensor (Exhaust)
E-510	B/2	Exhaust Gas Control Valve
E-511	B/2	Coolant Temperature Sensor
E-513	W/16	Engine Compartment Fuse and Relay Box (B)

No.	Color/Terminal	Name
E-514	B/48	ECU-A
E-515	W/18	Engine Compartment Fuse and Relay Box (A)
E-516	B/8	to Body Wire Harness Connector B-036
E-517	-	Ground G402
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-525	B/2	Vacuum Pump
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-532	-	Ground G401
E-533	B/2	Variable Camshaft Timing (Exhaust)
E-534	B/3	Ignition Coil 1
E-535	B/3	Camshaft Position Sensor (Intake)
E-536	B/20	to Body Wire Harness Connector B-100
E-537	B/2	Electronic Thermostat
E-538	B/6	Electronic Throttle
E-539	B/4	Boost Pressure Sensor
E-540	B/2	Engine Compartment Fuse and Relay Box (F)
E-541	B/4	Electrical Water Pump
E-542	B/3	Engine Speed Sensor

Front Bumper Wire Harness



ET15080031

No.	Color/Terminal	Name
E-030	B/2	Front Right Wheel Speed Sensor
E-031	B/3	Cooling Fan Motor
E-032	W/20	to Body Wire Harness Connector B-037
E-033	W/20	to Body Wire Harness Connector B-074
E-034	-	High-speed Fan Power Supply
E-035	W/14	Engine Compartment Fuse and Relay Box (C)
E-036	-	Low-speed Fan Power Supply
E-037	B/3	Front Left Height Adjustment
E-038	B/10	Front Left Headlight
E-039	Gr/2	High Horn
E-040	B/4	Front Camera
E-041	B/3	Front Left Radar Sensor

No.	Color/Terminal	Name
E-042	B/2	Front Left Fog Light
E-043	-	Ground G102
E-044	B/3	Front Left Middle Radar Sensor
E-045	Gr/2	Outside Atmosphere Temperature Sensor
E-046	B/3	Front Right Middle Radar Sensor
E-047	-	Ground G101
E-048	B/2	Front Right Fog Light
E-049	B/3	Front Right Radar Sensor
E-050	Gr/4	High/Low Pressure Switch
E-051	Gr/2	Washer Motor
E-052	Gr/2	Low Horn
E-053	B/10	Front Right Headlight
E-054	B/3	Front Right Height Adjustment
E-055	B/3	Absolute Environment Pressure Sensor (1.5TCI)
E-056	B/4	Boost Pressure Sensor (1.5TCI)

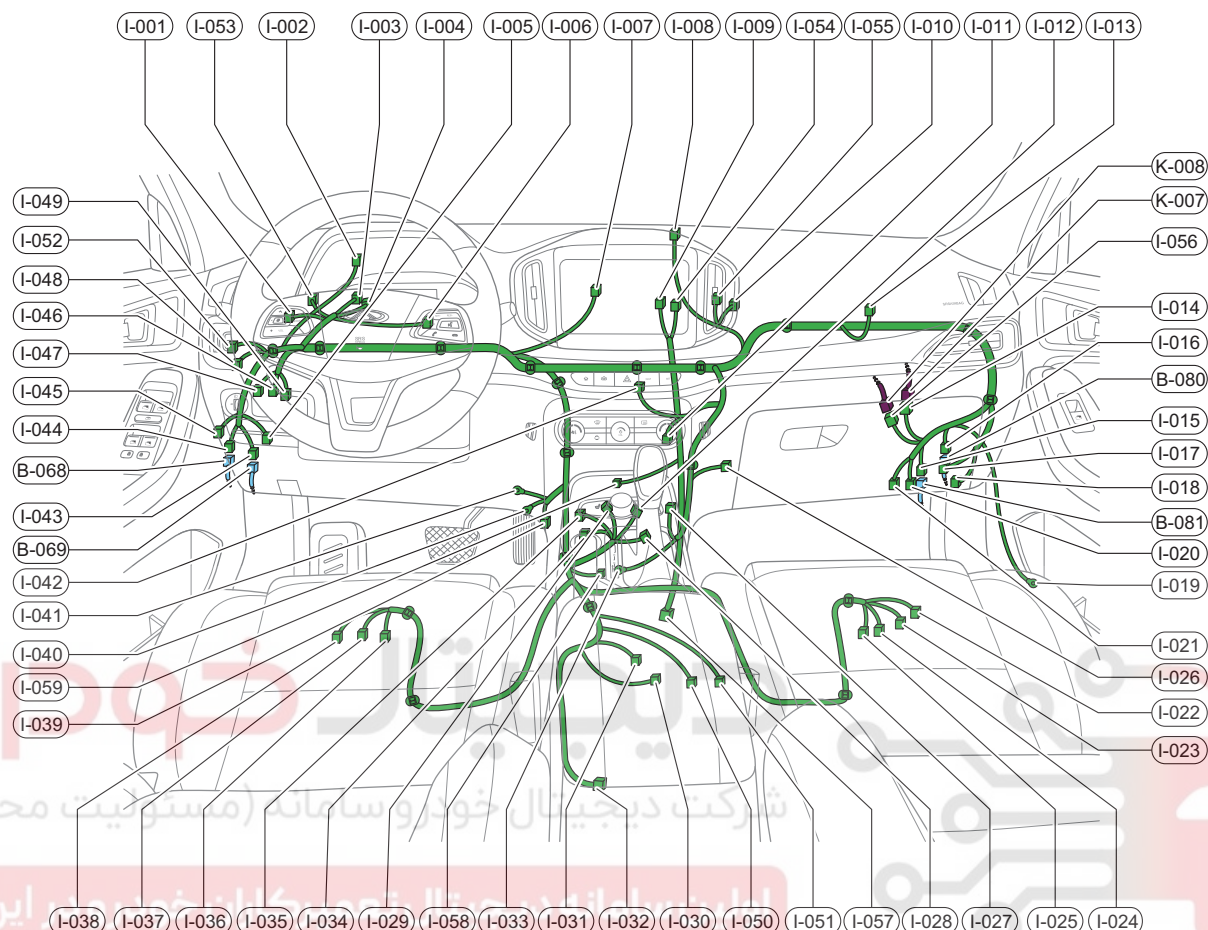
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Instrument Panel Wire Harness



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ET15080070

No.	Color/Terminal	Name
I-001	B/10	Combination Light Switch
I-002	L/32	Instrument Cluster
I-003	B/6	Steering Angle Sensor
I-004	W/16	Spiral Cable
I-005	B/10	EPS
I-006	B/10	Wiper Switch
I-007	B/40	Audio
I-008	B/4	Solar Sensor
I-009	W/1	GPS Antenna
I-010	P/1	Radio Antenna
I-011	B/16	Automatic A/C Control Panel
I-012	W/8	Engine Switch

No.	Color/Terminal	Name
I-013	G/2	Front Passenger Airbag
I-014	Lg/22	to A/C Wire Harness Connector K-007
I-015	W/14	to Body Wire Harness Connector B-081
I-016	W/10	to Body Wire Harness Connector B-080
I-017	B/16	PEPS (J2)
I-018	B/10	PEPS (J2)
I-019	-	Ground G501
I-020	W/1	Radio Antenna
I-021	P/1	GPS Antenna
I-022	Y/2	Front Right Side Airbag
I-023	W/2	Front Passenger Seat Belt Reminder Switch
I-024	W/6	Front Passenger Seat Heater
I-025	B/2	Front Passenger Seat Belt Switch
I-026	B/2	Backup Power Supply
I-027	Br/50	SRS Control Module
I-028	W/2	CVT Gear Backlight Indicator (CVT)
I-029	O/6	Passenger Seat Heater Switch
I-030	W/1	Parking Brake Switch
I-031	W/2	Cigarette Lighter
I-032	B/2	Low Frequency Antenna 2
I-033	-	Ground G504
I-034	W/2	Atmosphere Light
I-035	B/6	Driver Seat Heater Switch
I-036	B/2	Driver Seat Belt Switch
I-037	W/6	Driver Seat Heater
I-038	Y/2	Front Left Side Airbag
I-039	B/2	Low Frequency Antenna 1
I-040	-	Ground G503
I-041	-	Ground G502
I-042	B/10	Control Panel Switch
I-043	W/26	to Body Wire Harness Connector B-069
I-044	W/40	to Body Wire Harness Connector B-068
I-045	B/16	Diagnostic Interface
I-046	B/10	Rear View Mirror Adjustment Switch
I-047	W/6	Headlight & Backlight Adjustment Switch
I-048	-	Instrument Panel Fuse And Relay Box
I-049	W/8	Rear View Mirror Folded Switch

No.	Color/Terminal	Name
I-050	W/11	Command Gear Shift (CVT)
I-051	G/2	Backup Antenna
I-052	W/24	BCM (B)
I-053	W/4	Electronic Steering Column Lock (MT)
I-054	B/4	USB
I-055	L/4	USB
I-056	Lg/22	to A/C Wire Harness Connector K-013
I-057	B/4	USB
I-058	B/12	DCT Gear Shift Handle (DCT)
I-059	B/4	USB

دیجیتال خودرو

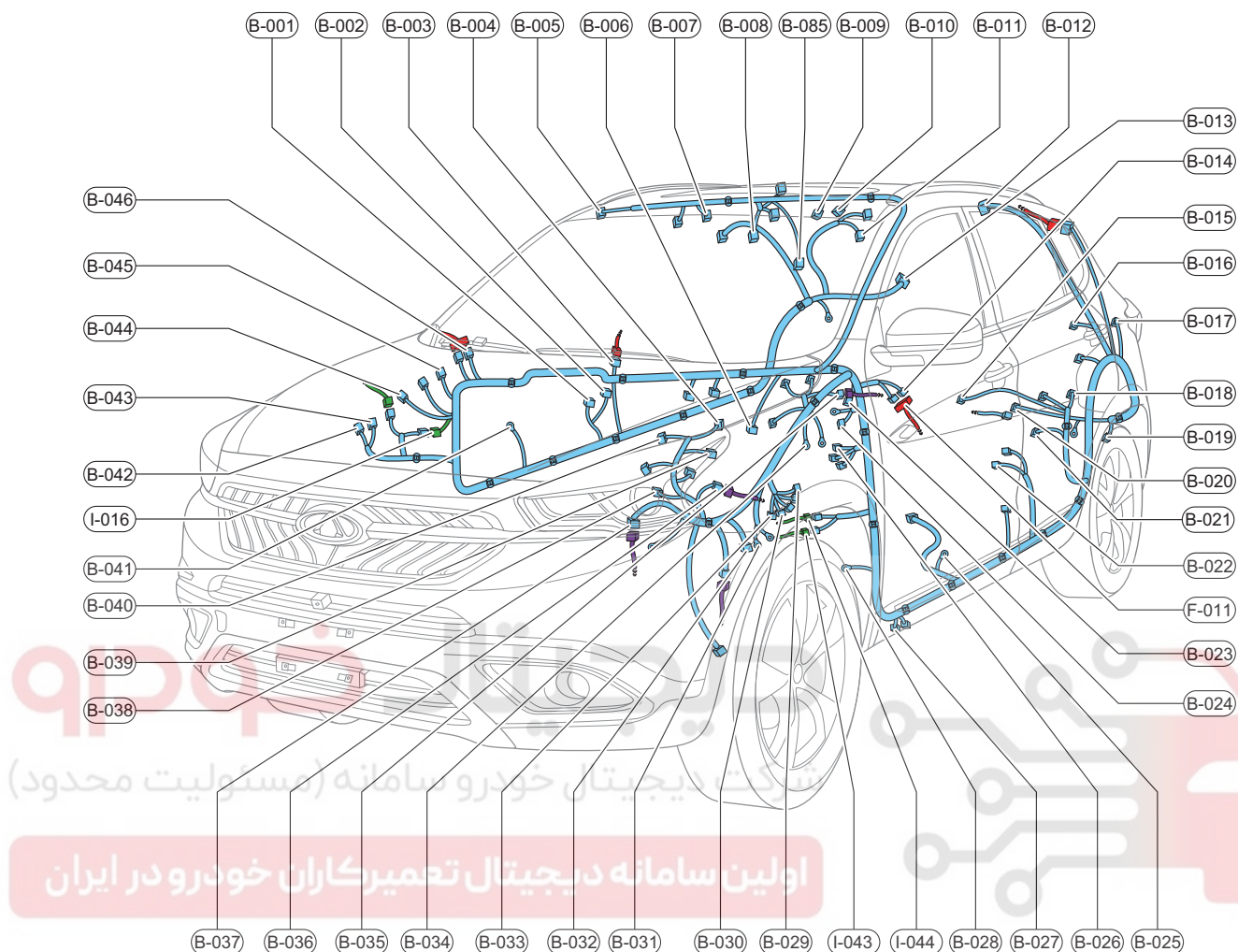
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

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اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Body Wire Harness (For 2.0 Model)

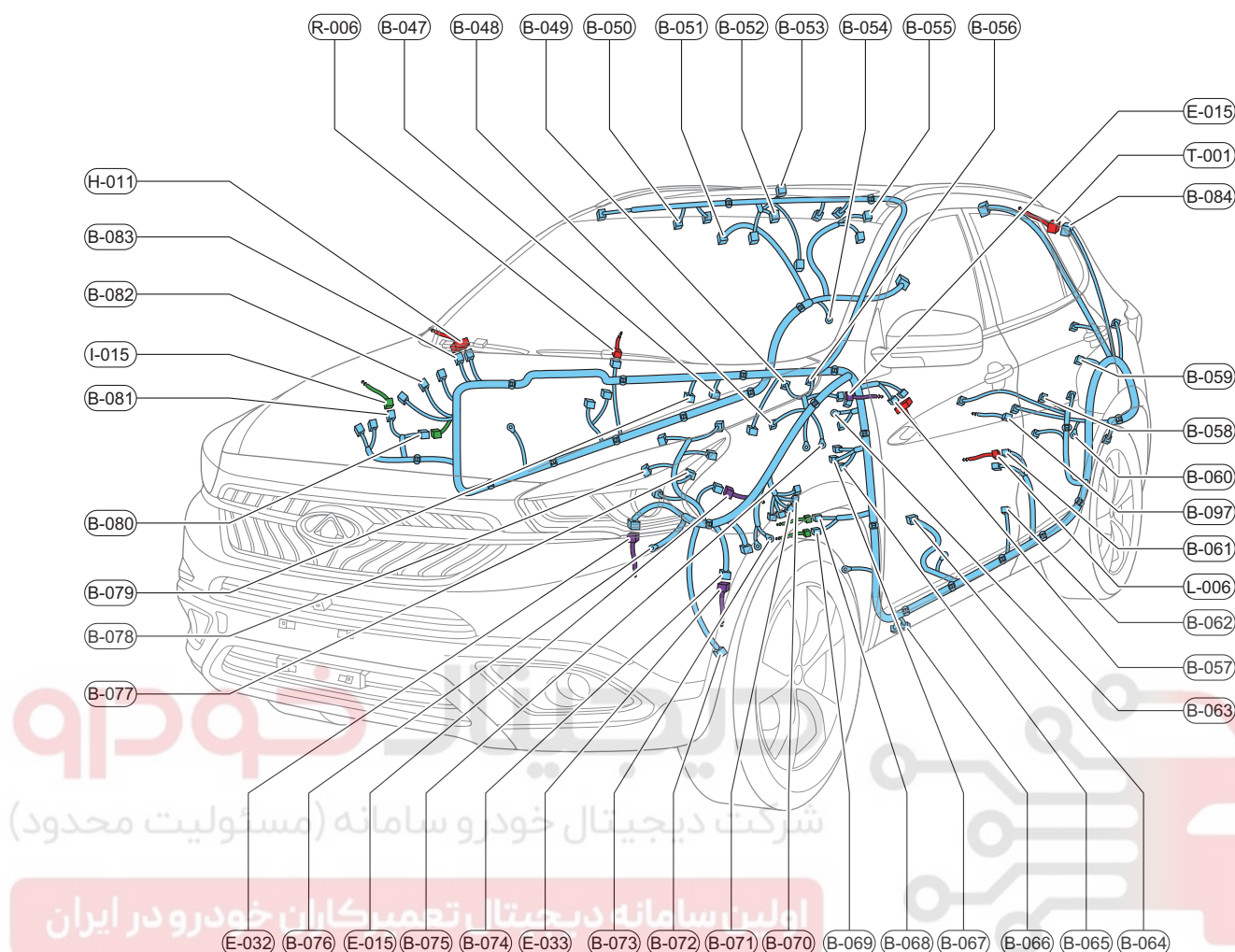


ET15080040

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No.	Color/Terminal	Name
B-001	Y/2	Front Right 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-004	B/3	Primary Shaft Pressure Sensor (CVT)
B-005	Gr/2	Right Vanity Mirror Switch
B-006	B/56	TCU (CVT)
B-007	W/2	Microphone 2
B-008	Gr/14	Sunroof Module
B-009	Gr/2	Left Vanity Mirror Light
B-010	W/2	Left Vanity Mirror Switch
B-011	R/1	GPS Antenna
B-012	Y/2	Front Left Side Curtain Airbag

No.	Color/Terminal	Name
B-013	W/6	Rear Right Tail Light
B-014	W/18	to Front Left Door Wire Harness Connector F-011
B-015	B/2	Rear Right Wheel Speed Sensor
B-016	Y/2	Rear Left Seat Belt Pretensioner
B-017	W/6	Rear Left Tail Light
B-018	B/2	Rear Left Wheel Speed Sensor
B-019	W/16	Reverse Radar Module (4 Sensors)
B-020	W/14	to Rear Bumper Wire Harness Connector B-097
B-021	B/5	Fuel Pump Motor
B-022	Y/2	Front Left Seat Belt Pretensioner
B-023	B/52	BCM 1
B-024	W/14	BCM 3
B-025	-	Ground G607
B-026	W/20	BCM 5
B-027	-	Ground G203
B-028	-	Ground G201
B-029	W/12	Engine Compartment Fuse and Relay Box (J)
B-030	W/14	Engine Compartment Fuse and Relay Box (G)
B-031	-	Instrument Panel Fuse and Relay Box (R2)
B-032	B/64	ECM-B
B-033	W/12	Engine Compartment Fuse and Relay Box (D)
B-034	-	Ground G113
B-035	B/8	ESP Module
B-036	B/8	to Engine Compartment Wire Harness Connector E-015
B-037	B/20	to Front Bumper Wire Harness E-032
B-038	B/10	Gear Range Switch (CVT)
B-039	B/3	Primary Shaft Speed Sensor (CVT)
B-040	B/3	Secondary Shaft Speed Sensor (CVT)
B-041	-	Ground G204
B-042	W/1	Radio Antenna
B-043	R/1	GPS Antenna
B-044	W/40	Around View Monitoring System Module
B-045	B/16	PEPS 1
B-046	W/18	to Front Right Door Wire Harness Connector H-011
B-085	B/3	Rain Sensor

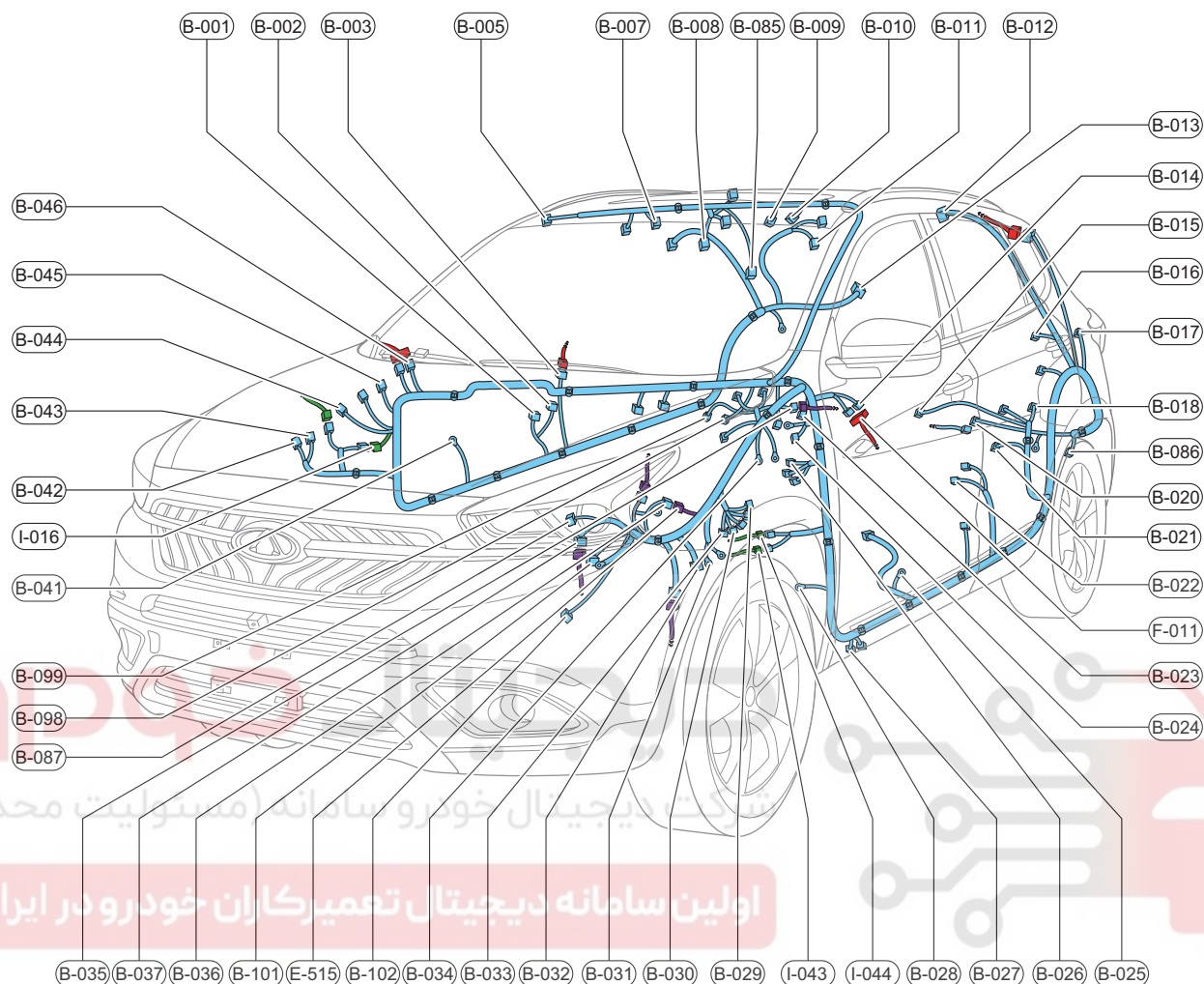


ET15080041

No.	Color/Terminal	Name
B-047	Gr/4	Brake Switch
B-048	B/2	Front Left Wheel Speed Sensor
B-049	B/2	Brake Fluid Level Sensor
B-050	Gr/2	Right Vanity Mirror Light
B-051	Y/2	Front Right Side Curtain Airbag
B-052	W/10	Front Room Light
B-053	W/2	Microphone 1
B-054	-	Ground G609
B-055	W/1	Radio Antenna
B-056	W/4	Front Wiper Motor
B-057	Gr/18	to Front Left Door Wire Harness Connector F-011
B-058	B/2	Low Frequency Antenna 3
B-059	B/2	Luggage Compartment Light

No.	Color/Terminal	Name
B-060	-	Ground G608
B-061	O/16	to Rear Left Door Wire Harness Connector L-006
B-062	B/2	Left Side Collision Sensor
B-063	-	IEC-R Instrument Panel Fuse and Relay Box
B-064	Br/5	Driver Seat Power Adjustment Switch
B-065	Br/2	EPS
B-066	-	Ground G205
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-070	W/40	Engine Compartment Fuse and Relay Box (H)
B-071	W/16	Engine Compartment Fuse and Relay Box (E)
B-072	B/3	Secondary Shaft Pressure Sensor (CVT)
B-073	-	Instrument Panel Fuse and Relay Box (R4)
B-074	B/20	to Front Bumper Wire Harness E-033
B-075	-	Ground G115
B-076	-	Ground G101
B-077	B/10	Gearbox (CVT)
B-078	B/3	Clutch Speed Sensor (CVT)
B-079	B/6	Electronic Accelerator Pedal
B-080	W/10	to Instrument Panel Wire Harness Connector I-016
B-081	W/14	to Instrument Panel Wire Harness Connector I-015
B-082	B/8	PEPS 3
B-083	Gr/18	to Front Right Door Wire Harness Connector H-011
B-084	W/16	to Back Door Wire Harness Connector T-001

Body Wire Harness (For 1.5TCI Model)

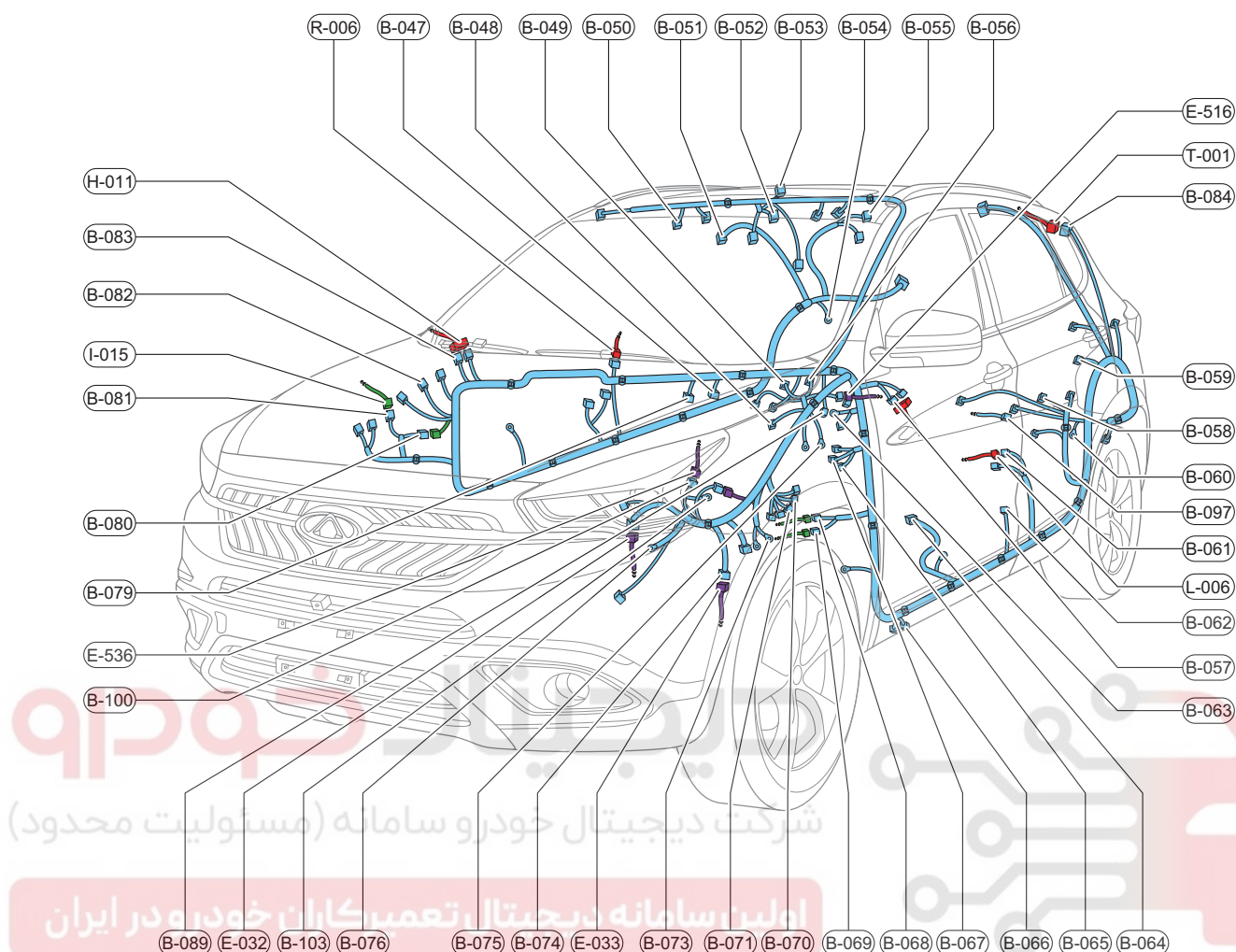


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No.	Color/Terminal	Name
B-001	Y/2	Front Right Seat Belt Pretensioner
B-002	B/2	Right Side Collision Sensor
B-003	O/16	to Rear Right Door Wire Harness Connector R-006
B-004	B/3	Primary Shaft Pressure Sensor (CVT)
B-005	Gr/2	Right Vanity Mirror Switch
B-007	W/2	Microphone 2
B-008	Gr/14	Sunroof Module
B-009	Gr/2	Left Vanity Mirror Light
B-010	W/2	Left Vanity Mirror Switch
B-011	R/1	GPS Antenna
B-012	Y/2	Front Left Side Curtain Airbag
B-013	W/6	Rear Right Tail Light

No.	Color/Terminal	Name
B-014	W/18	to Front Left Door Wire Harness Connector F-011
B-015	B/2	Rear Right Wheel Speed Sensor
B-016	Y/2	Rear Left Seat Belt Pretensioner
B-017	W/6	Rear Left Tail Light
B-018	B/2	Rear Left Wheel Speed Sensor
B-020	W/14	to Rear Bumper Wire Harness Connector B-097
B-021	B/5	Fuel Pump Motor
B-022	Y/2	Front Left Seat Belt Pretensioner
B-023	B/52	BCM 1
B-024	W/14	BCM 3
B-025	-	Ground G607
B-026	W/20	BCM 5
B-027	-	Ground G203
B-028	-	Ground G201
B-029	W/12	Engine Compartment Fuse and Relay Box (J)
B-030	W/14	Engine Compartment Fuse and Relay Box (G)
B-031	-	Instrument Panel Fuse and Relay Box (R2)
B-032	B/64	ECM-B
B-033	W/12	Engine Compartment Fuse and Relay Box (D)
B-034	-	Ground G113
B-035	B/8	ESP Module
B-036	B/8	to Engine Compartment Wire Harness Connector E-015
B-037	B/20	to Front Bumper Wire Harness E-032
B-041	-	Ground G204
B-042	W/1	Radio Antenna
B-043	R/1	GPS Antenna
B-044	W/40	Around View Monitoring System Module
B-045	B/16	PEPS 1
B-046	W/18	to Front Right Door Wire Harness Connector H-011
B-085	B/3	Rain Sensor
B-086	W/24	Reverse Radar Module (4 Sensors)
B-087	B/2	Back-up Light Switch
B-098	W/8	Clutch Bottom Switch
B-099	B/3	Absolute Vacuum Sensor
B-101	B/58	TCU (DCT)
B-102	B/2	Vacuum Pump

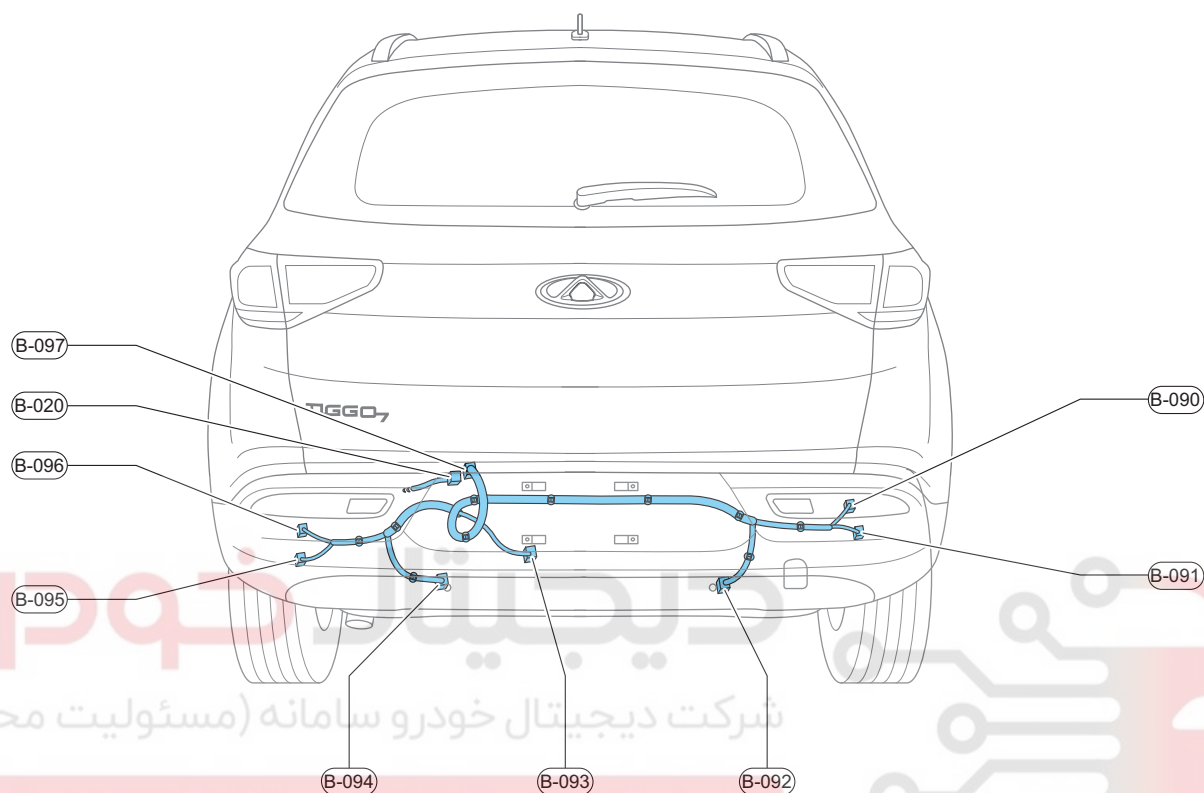


ET15080044

No.	Color/Terminal	Name
B-047	Gr/4	Brake Switch
B-048	B/2	Front Left Wheel Speed Sensor
B-049	B/2	Brake Fluid Level Sensor
B-050	Gr/2	Right Vanity Mirror Light
B-051	Y/2	Front Right Side Curtain Airbag
B-052	W/10	Front Room Light
B-053	W/2	Microphone 1
B-054	-	Ground G609
B-055	W/1	Radio Antenna
B-056	W/4	Front Wiper Motor
B-057	Gr/18	to Front Left Door Wire Harness Connector F-011
B-058	B/2	Low Frequency Antenna 3
B-059	B/2	Luggage Compartment Light

No.	Color/Terminal	Name
B-060	-	Ground G608
B-061	O/16	to Rear Left Door Wire Harness Connector L-006
B-062	B/2	Left Side Collision Sensor
B-063	-	IEC-R Instrument Panel Fuse and Relay Box
B-064	Br/5	Driver Seat Power Adjustment Switch
B-065	Br/2	EPS
B-066	-	Ground G205
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-070	W/40	Engine Compartment Fuse and Relay Box (H)
B-071	W/16	Engine Compartment Fuse and Relay Box (E)
B-073	-	Instrument Panel Fuse and Relay Box (R4)
B-074	B/20	to Front Bumper Wire Harness E-033
B-075	-	Ground G115
B-076	-	Ground G101
B-079	B/6	Electronic Accelerator Pedal
B-080	W/10	to Instrument Panel Wire Harness Connector I-016
B-081	W/14	to Instrument Panel Wire Harness Connector I-015
B-082	B/8	PEPS 3
B-083	Gr/18	to Front Right Door Wire Harness Connector H-011
B-084	W/16	to Back Door Wire Harness Connector T-001
B-089	B/2	Clutch Switch
B-100	B/20	to Engine Compartment Wire Harness Connector E-536
B-103	-	Ground G604 (DCT)

Rear Bumper Wire Harness

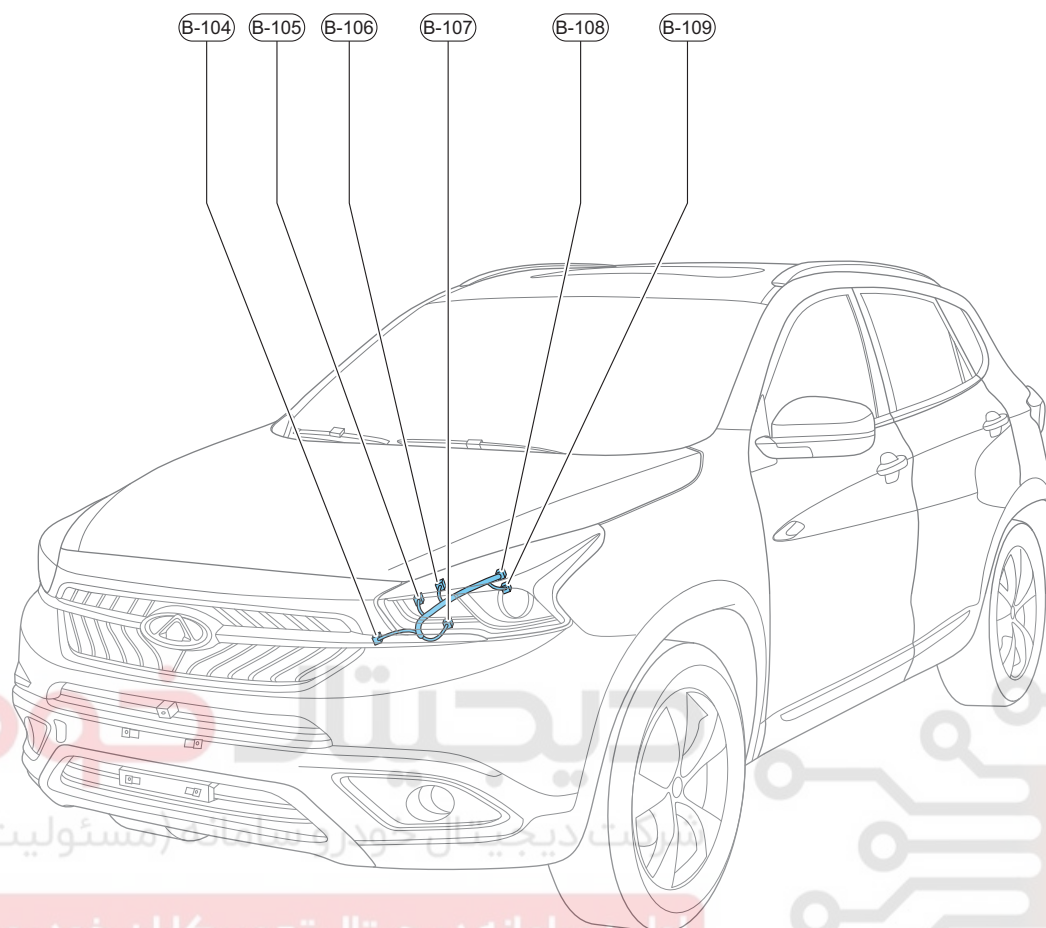


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ET15080050

No.	Color/Terminal	Name
B-090	B/4	Rear Right Fog Light
B-091	B/3	Rear Right Radar Sensor
B-092	B/3	Rear Right Middle Radar Sensor
B-093	B/2	Rear Bumper Low Frequency Antenna 4
B-094	B/3	Rear Left Middle Radar Sensor
B-095	B/3	Rear Left Radar Sensor
B-096	B/4	Rear Left Fog Light
B-097	W/14	to Rear Bumper Wire Harness B-020

DCT Transmission Wire Harness

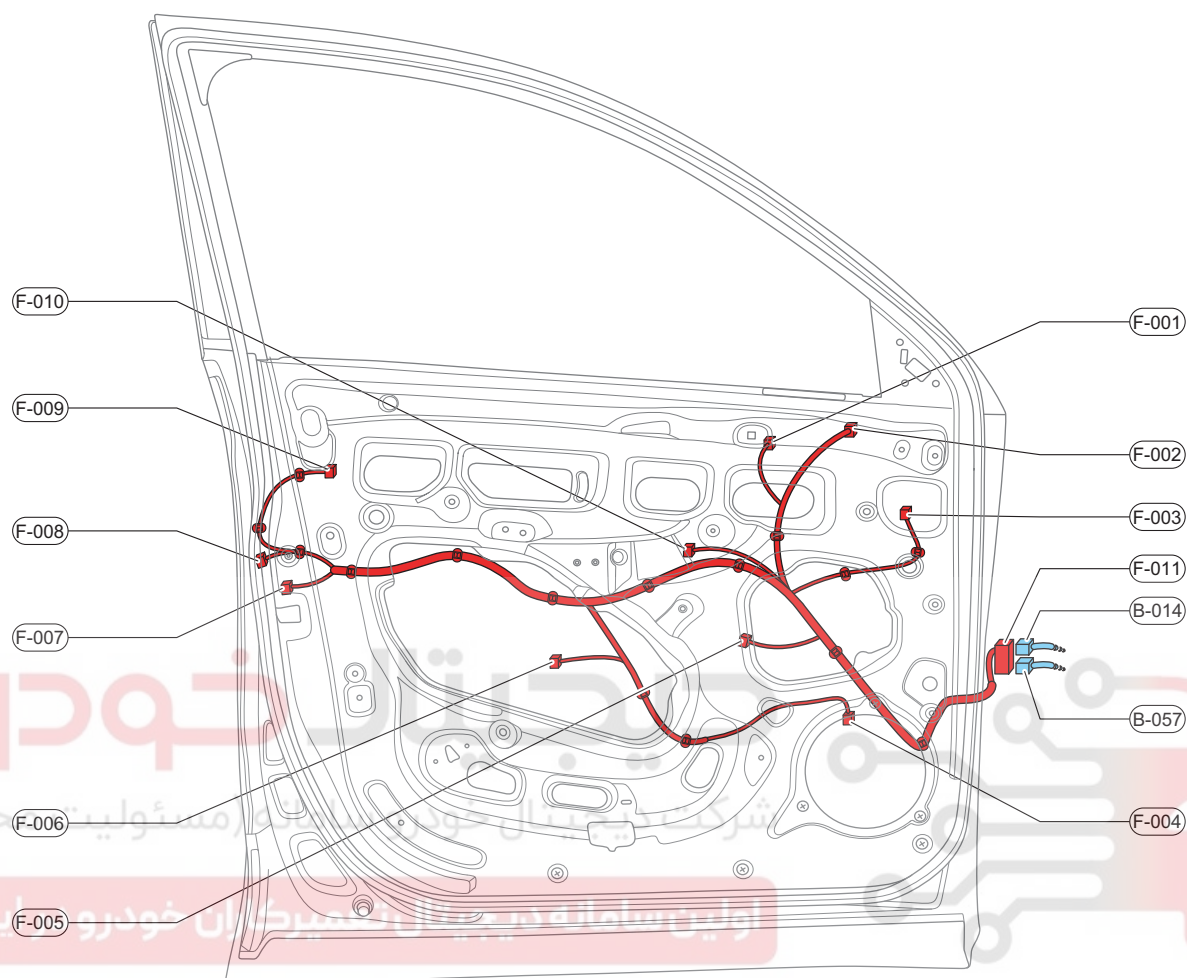


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ET15080045

No.	Color/Terminal	Name
B-104	B/8	Clutch Actuator Motor 1
B-105	B/8	Clutch Actuator Motor 2
B-106	B/4	Gear Position Sensor
B-107	B/58	TCU-A
B-108	Gr/2	Input Shaft Speed Sensor 1
B-109	B/2	Input Shaft Speed Sensor 2

Front Left Door Wire Harness

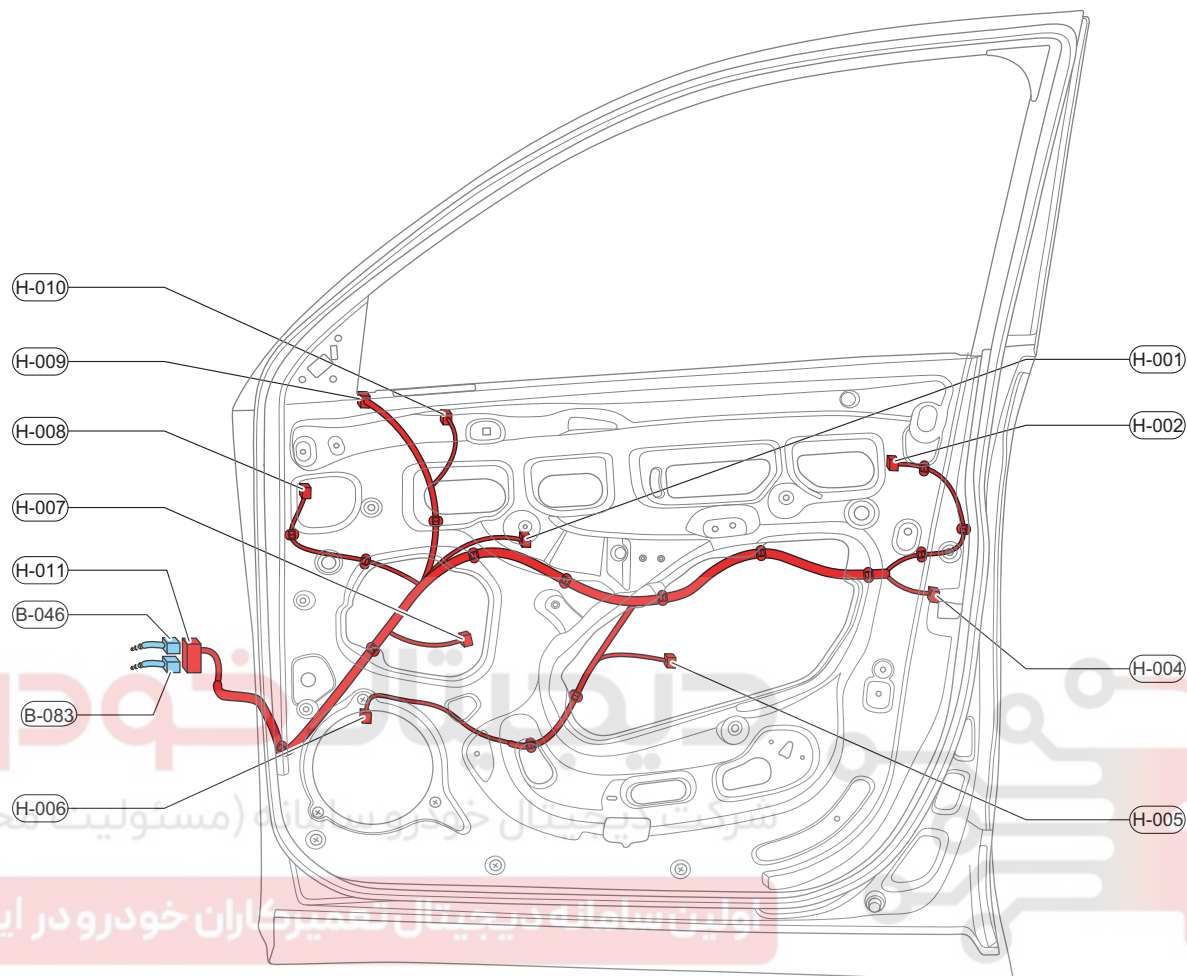


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ET15080100

No.	Color/Terminal	Name
F-001	B/2	Front Left Speaker
F-002	W/16	Left Power Rear View Mirror Connector
F-003	B/2	Left Turn Signal Light
F-004	B/2	Front Left Door Speaker
F-005	B/2	Front Left Power Window Regulator Motor
F-006	B/2	Front Left Door Light
F-007	Gr/4	Front Left Door Contact 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 Connectors B-014, B-057

Front Right Door Wire Harness

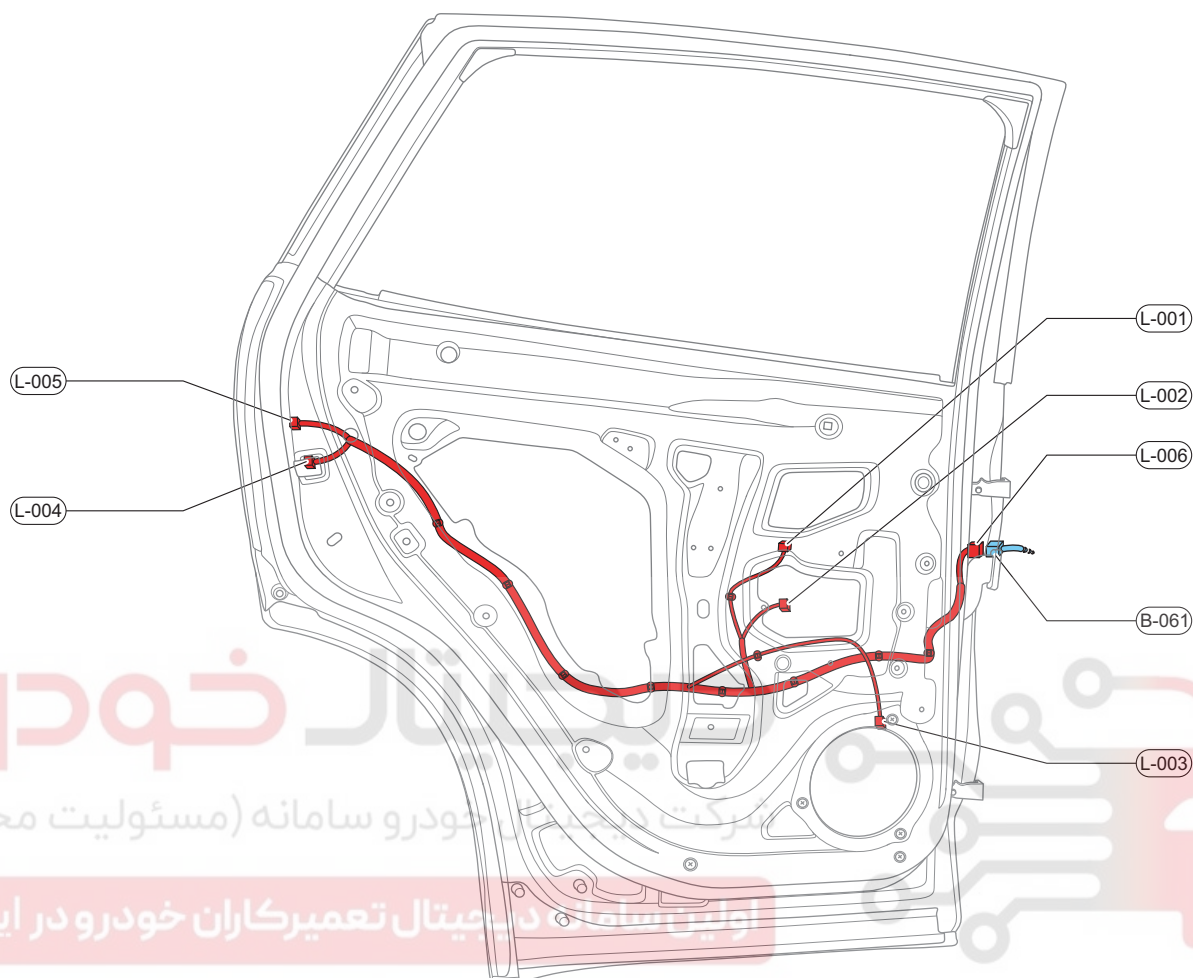


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ET15080111

No.	Color/Terminal	Name
H-001	Br/4	Front Right Power Window Switch
H-002	B/2	Right Handle Switch Unit
H-004	B/2	Front Right Door Contact Switch
H-005	B/2	Front Right Door Light
H-006	B/2	Front Right Door Speaker
H-007	B/2	Front Right Power Window Regulator Motor
H-008	B/2	Right Turn Signal Light
H-009	W/16	Right Power Rear View Mirror Motor
H-010	B/2	Front Right Speaker
H-011	W/36	to Body Wire Harness Connectors B-046, B-083

Rear Left Door Wire Harness

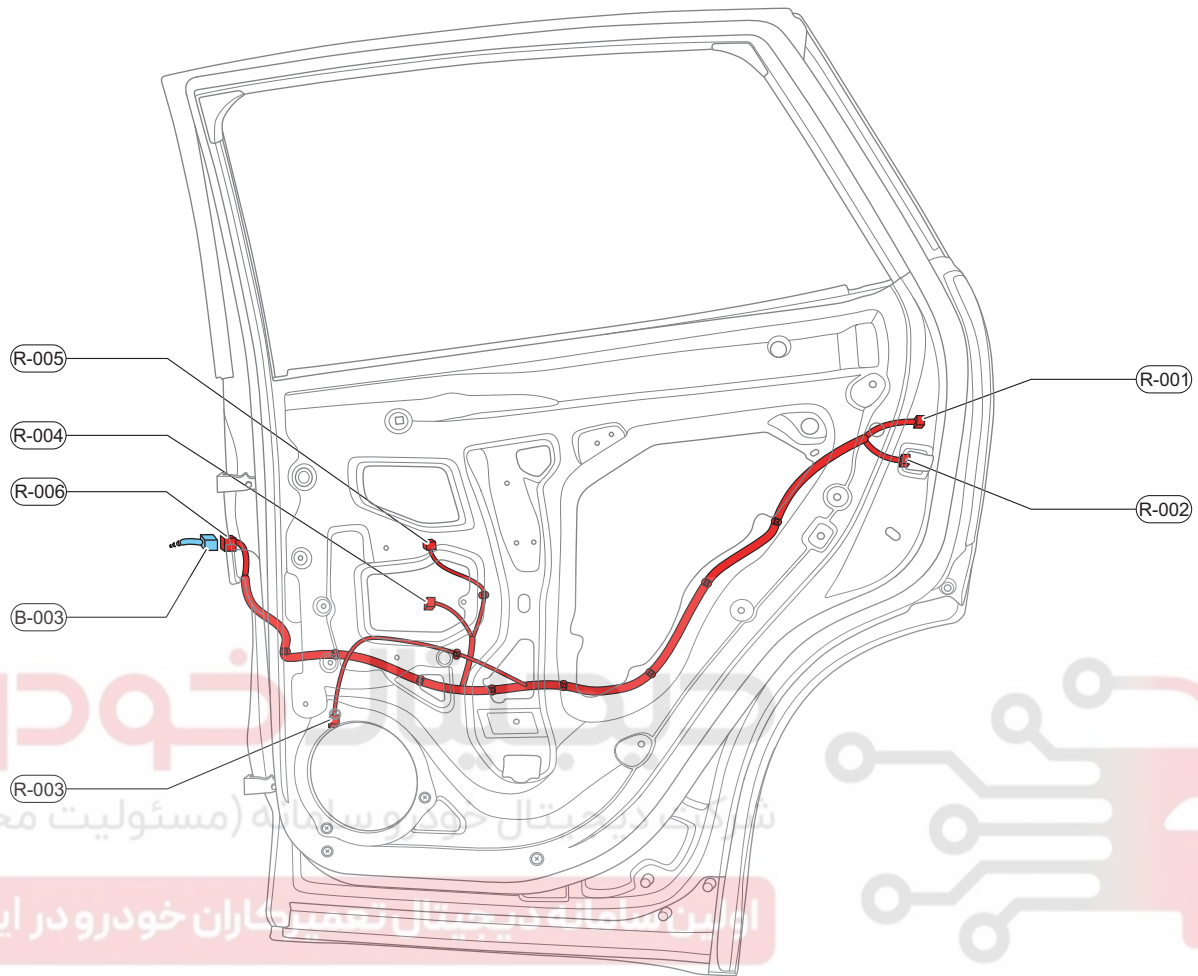


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ET15080120

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/2	Rear Left Door Lock Motor
L-005	B/4	Rear Left Door Contact Switch
L-006	W/16	to Body Wire Harness Connector B-061

Rear Right Door Wire Harness

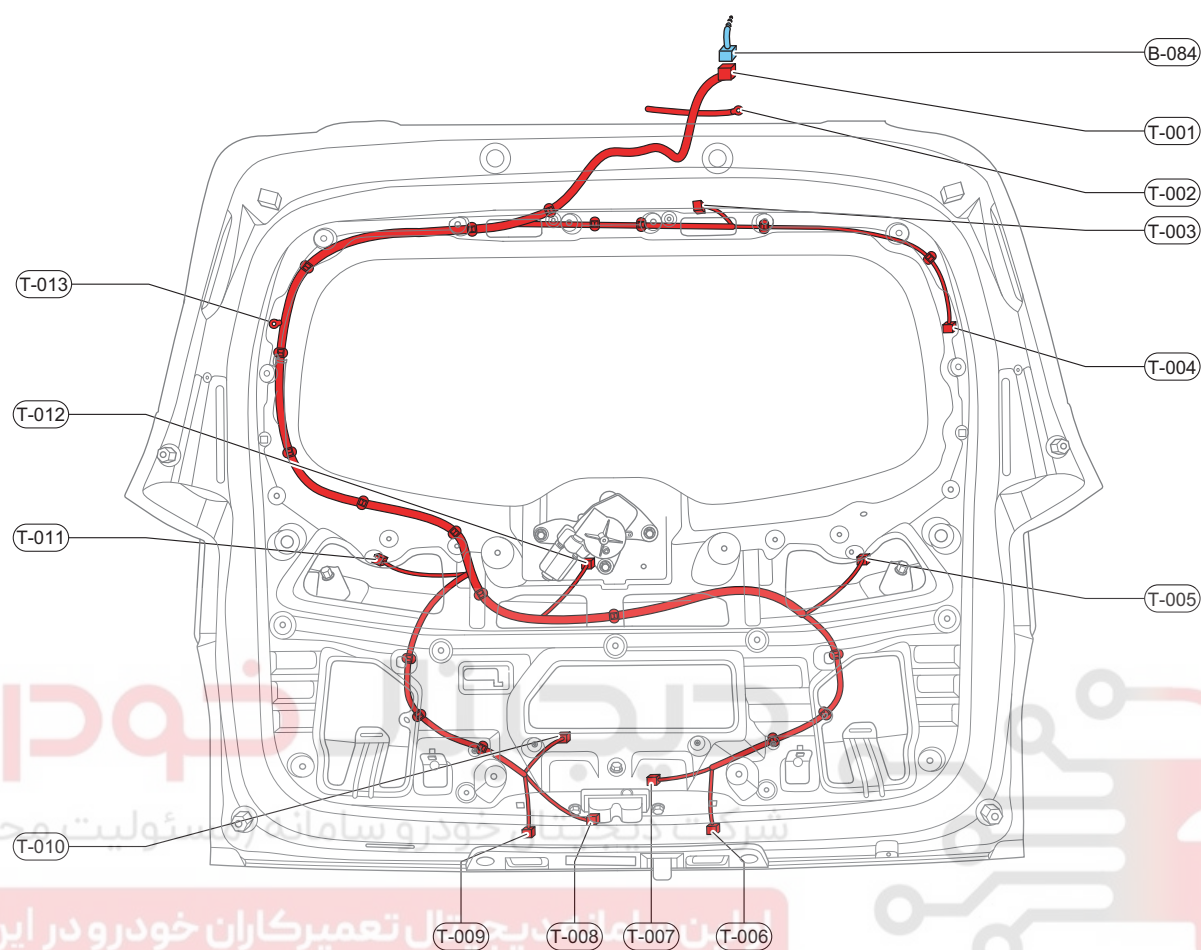


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ET15080130

No.	Color/Terminal	Name
R-001	B/4	Rear Right Door Contact Switch
R-002	B/2	Rear Right Door Lock Motor
R-003	B/2	Rear Right Door Speaker
R-004	B/2	Rear Right Power Window Regulator Motor
R-005	B/2	Rear Right Power Window Switch
R-006	W/16	to Body Wire Harness Connector B-003

Back Door Wire Harness

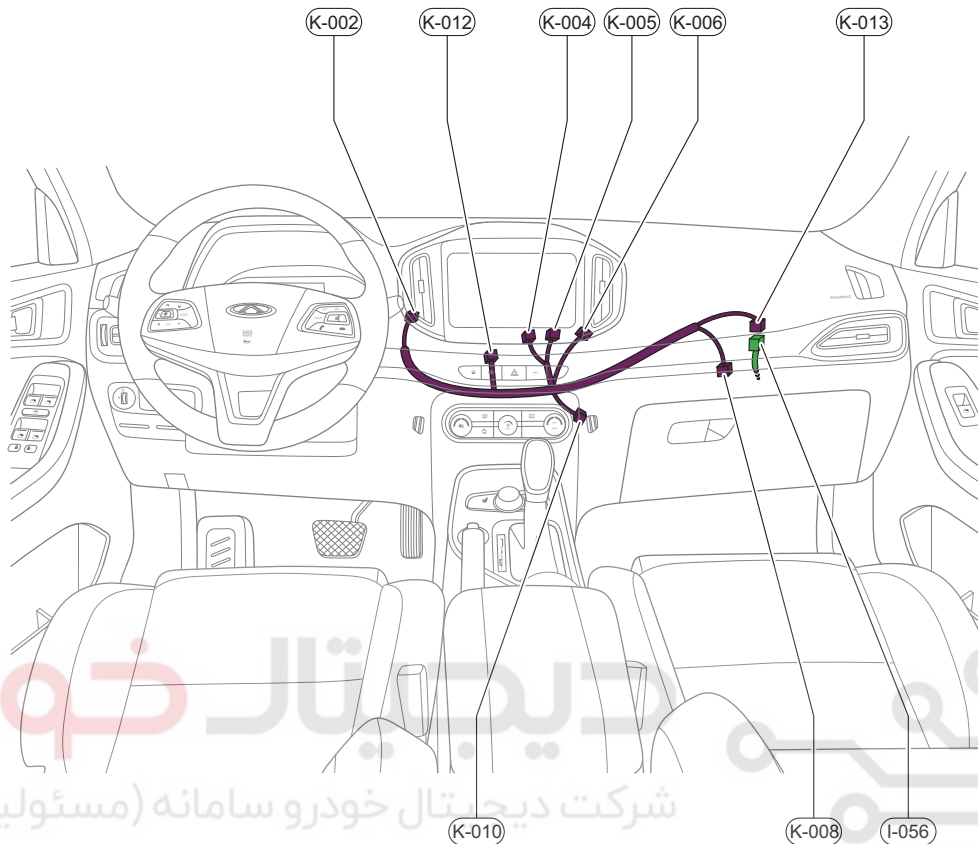


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ET15080140

No.	Color/Terminal	Name
T-001	W/16	to Body Wire Harness Connector B-084
T-002	-	Body Ground
T-003	W/2	High Mounted Stop Light
T-004	-	Defroster+
T-005	W/3	Rear Left Tail Light
T-006	B/2	Left License Plate Light
T-007	B/4	Rear Camera
T-008	B/2	Back Door Switch
T-009	B/2	Right License Plate Light
T-010	W/6	Back Door Lock Motor
T-011	W/3	Rear Right Tail Light
T-012	W/3	Rear Wiper Motor
T-013	-	Defroster-

Electrical A/C System Wire Harness

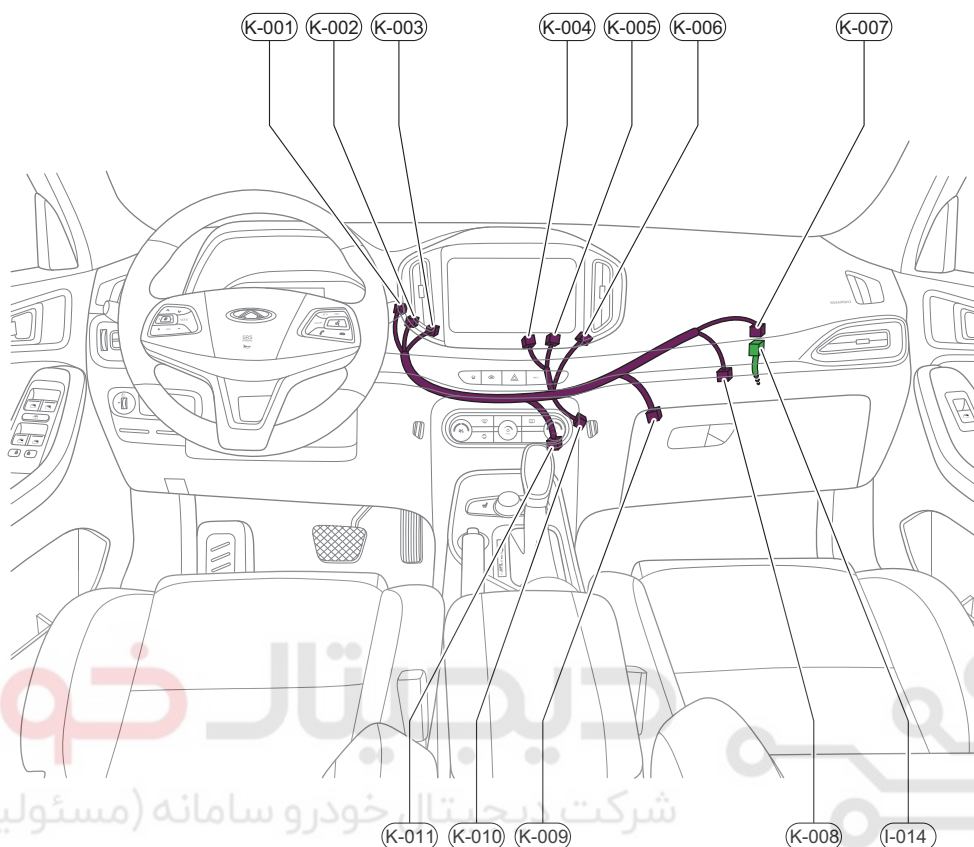


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ET15080160

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

Automatic A/C System Wire Harness



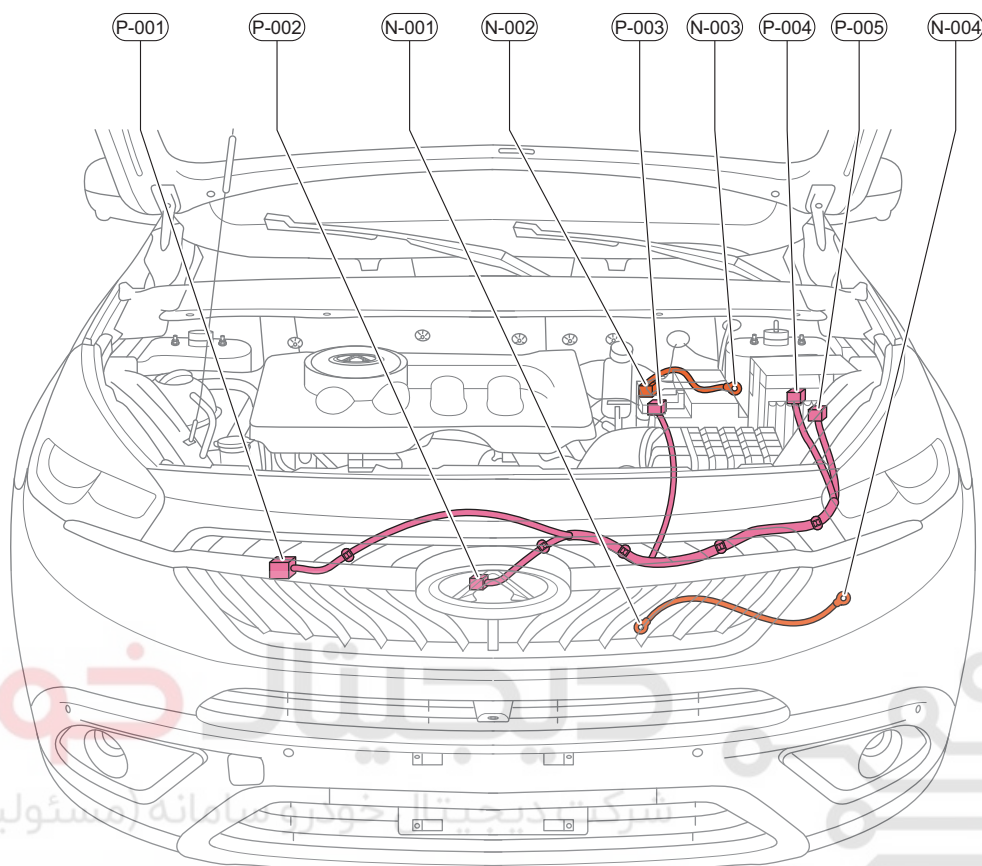
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ET15080080

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No.	Color/Terminal	Name
K-001	B/6	Left Mix Damper Motor
K-002	B/6	Mode Damper Motor
K-003	Lg/2	Left Room Temperature Sensor
K-004	B/6	Right Mix Damper Motor
K-005	B/6	Speed Resistor
K-006	W/2	Evaporator Temperature Sensor
K-007	Lg/22	to Instrument Panel Wire Harness Connector I-014
K-008	W/2	Blower
K-009	W/34	Automatic A/C Control Module
K-010	B/6	Inner and Outer Circulation Motor
K-011	Lg/2	Right Room Temperature Sensor

Battery/Ground Wire Harness



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اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

ET15080150

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
N-003	-	Body Ground
N-004	-	Body Ground

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