

# WIRING 16

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## WIRING INFORMATION

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## GENERAL INFORMATION

### Description

The wiring information includes wiring diagrams, proper wire and connector repair procedures, details of wire harness routing and retention, connector pin-out information and location views for the various wiring harness components, splices and grounds.

### Electrical Schematics

The electrical schematics are grouped into individual service manual chapters. If a component is most likely found in a particular group, it will be shown complete (all wires, connectors, and pins) within that group. For example, the Engine Control Module (ECM) is most likely to be found in Chapter 03 (Electronic Engine Controls), so it is shown there complete. It can, however, be shown partially in another group if it contains some associated wiring.

Chery electrical schematics are designed to provide information regarding the vehicles wiring content. In order to effectively use the wiring diagrams to diagnose and repair Chery vehicles, it is important to understand the following features and characteristics:

- Diagrams are arranged such that the power (B+) side of the circuit is placed near the top of the page, and the ground (B-) side of the circuit is placed near the bottom of the page.
- All switches, components, and modules are shown in the at rest position with the doors closed and the key removed from the ignition.
- Components are shown with a solid line around the component.
- It is important to realize that no attempt is made on the diagrams to represent components and wiring as they appear on the vehicle. For example, a short piece of wire is treated the same as a long one.
- Switches and other components are shown as simply as possible, with regard to function only.

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# ELECTRICAL TROUBLESHOOTING

## Troubleshooting Wiring Problems

When troubleshooting wiring problems there are six steps which can aid in the procedure. The steps are listed and explained below. Always check for non-factory equipped components added to the vehicle before doing any diagnosis. If the vehicle is equipped with these items, disconnect them to verify these add-on items are not the cause of the problem.

Perform the following when troubleshooting a wiring problem:

1. Verify the problem.
2. Verify any related symptoms (do this by performing operational checks on components that are in the same circuit).
3. Analyze the symptoms (use the wiring diagrams to determine what the circuit is doing, where the problem most likely is occurring and where the diagnosis will continue).
4. Isolate the problem area.
5. Repair the problem area.
6. Verify the proper operation (for this step, check for proper operation of all items on the repaired circuit).

## Testing For Voltage

1. Connect the ground lead of a voltmeter to a known good ground.
2. Connect the other lead of the voltmeter to the selected test point. The vehicle ignition may need to be turned ON to check voltage. Refer to the appropriate test procedure.

## Testing For Continuity

1. Remove the fuse for the circuit being checked or, disconnect the battery.
2. Connect one lead of the ohmmeter to one side of the circuit being tested.
3. Connect the other lead to the other end of the circuit being tested (low or no resistance means good continuity).

## Testing For A Short To Ground

1. Remove the fuse and disconnect all items involved with the fuse.
2. Connect a test light or a voltmeter across the terminals of the fuse.
3. Starting at the fuse block, wiggle the wiring harness about six to eight inches apart and watch the voltmeter/test light.
4. If the voltmeter registers voltage or the test light glows, there is a short to ground in that general area of the wiring harness.

## Intermittent and Poor Connections

Most intermittent electrical problems are caused by faulty electrical connections or wiring. It is also possible for a sticking component or relay to cause a problem. Before condemning a component or wiring assembly, check the following items:

- Connectors are fully seated
- Spread terminals, or terminal push out
- Terminals in the wiring assembly are fully seated into the connector/component and locked into position
- Dirt or corrosion on the terminals (any amount of corrosion or dirt could cause an intermittent problem)
- Damaged connector/component casing exposing the item to dirt or moisture
- Wire insulation that has rubbed through causing a short to ground
- Some or all of the wiring strands broken inside of the insulation
- Wiring broken inside of the insulation

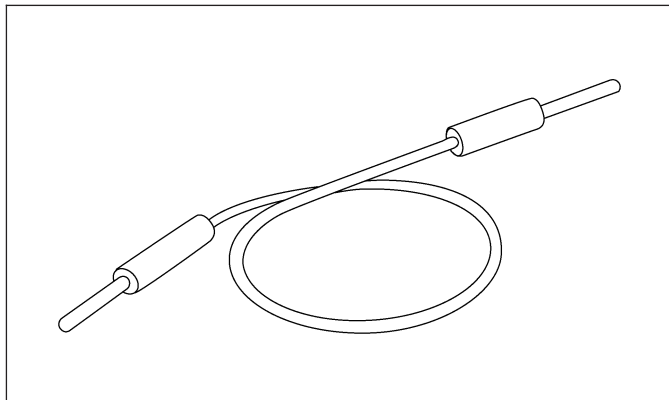
## ELECTRICAL TROUBLESHOOTING TOOLS

### Jumper Wires

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

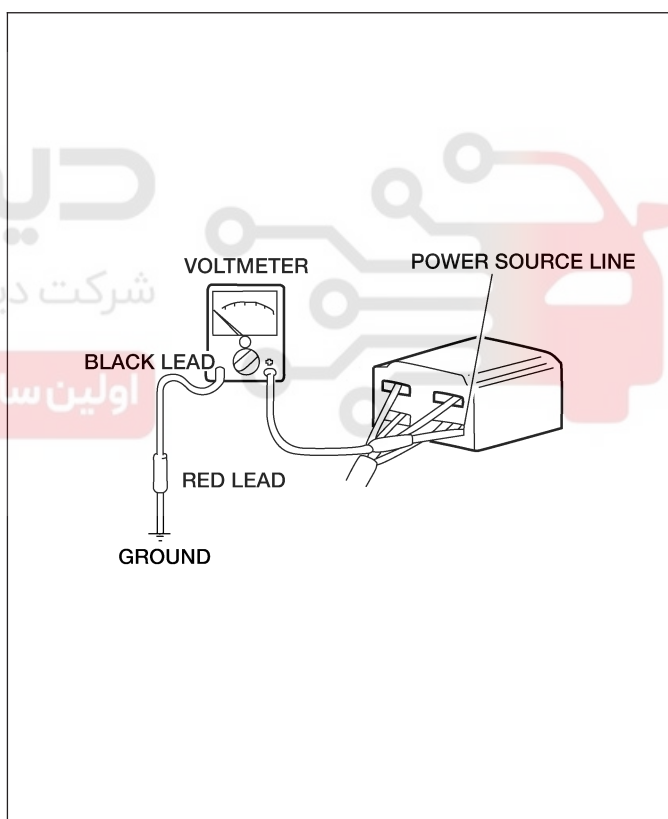
#### CAUTION:

Do not connect a jumper wire from the power source line to a body ground. This may cause burning or other damage to wiring harnesses or electronic components.



### Voltmeter

- The DC voltmeter is used to measure circuit voltage. A voltmeter with a range of 15 V or more is used by connecting the positive (+) probe (red lead wire) to the point where voltage will be measured and the negative (-) probe (black lead wire) to a body ground.

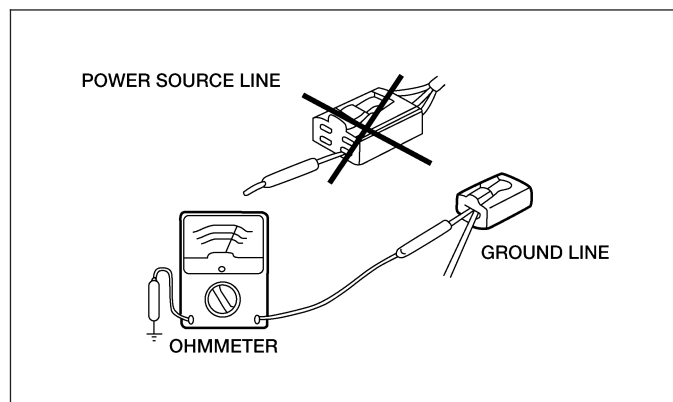


## Ohmmeter

- The ohmmeter is used to measure the resistance between two points in a circuit and to check for continuity and short circuits.

### CAUTION:

Do not connect the ohmmeter to any circuit where voltage is applied. This will damage the ohmmeter.



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## ELECTRICAL REPAIR

### Wire Repair

#### NOTE :

When splicing a wire, it is important that the correct gage be used.

1. Remove one-half (1/2) inch of insulation from each wire that needs to be spliced.
2. Place a piece of adhesive lined heat shrink tubing on one side of the wire. Make sure the tubing will be long enough to cover and seal the entire repair area.
3. Place the strands of wire overlapping each other inside of the splice clip.
4. Using a crimping tool, crimp the splice clip and wires together.

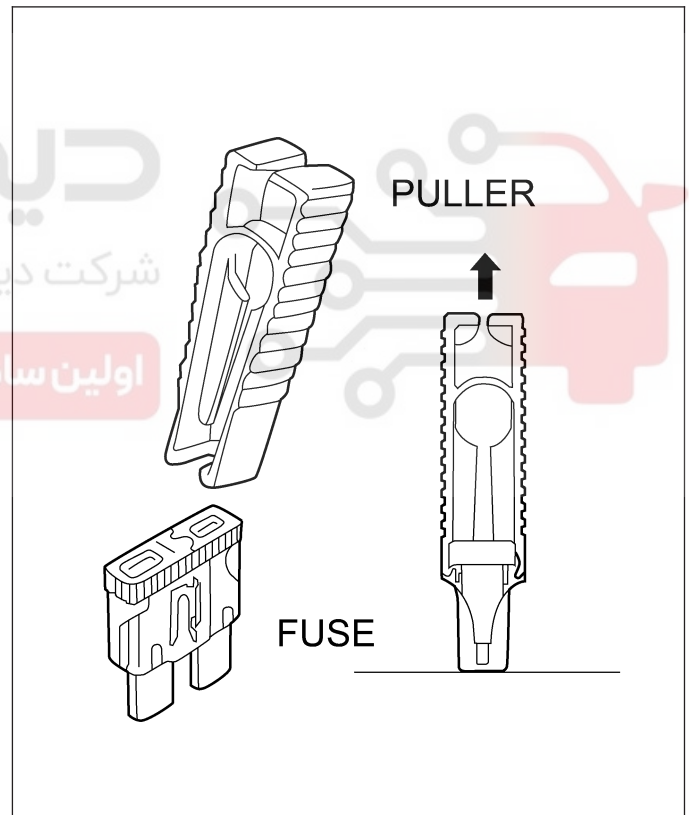
#### NOTE :

Do not use acid core solder when making wiring repairs.

5. Solder the connection together using a soldering iron and rosin core type solder only.
6. Center the heat shrink tubing over the joint and heat using a heat gun. Heat the joint until the tubing is tightly sealed and sealant comes out of both ends of the tubing.

### Fuse Replacement

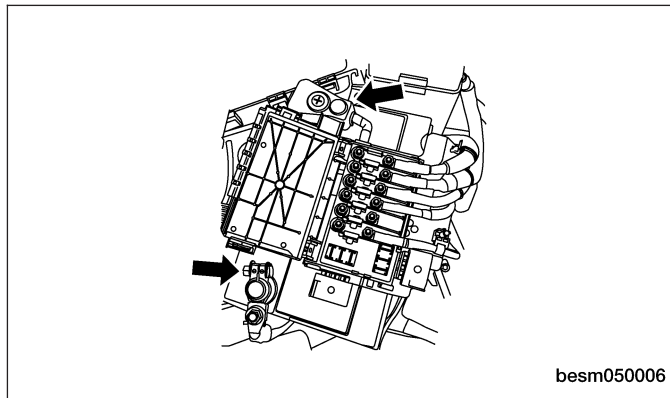
- When replacing a fuse, be sure to replace it with one of the same capacity. If a fuse fails again, the circuit probably has a short and the wiring should be checked.
- Be sure the negative battery terminal is disconnected before replacing a main fuse.
- When replacing a pullout fuse, use the fuse puller.



## ELECTRICAL COMPONENTS

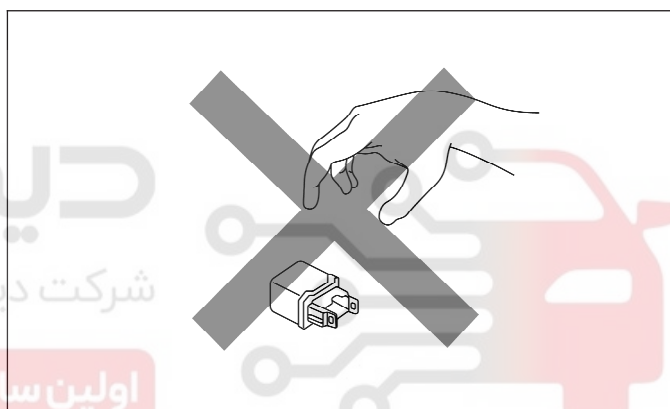
### Battery Cable

- Before disconnecting connectors or removing electrical parts, disconnect the negative battery cable.



### Sensors, Switches, and Relays

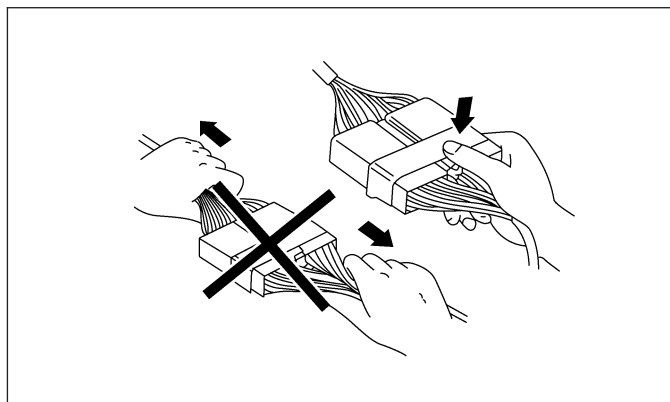
- Handle sensors, switches and relays carefully. Do not drop them or strike them against other objects.



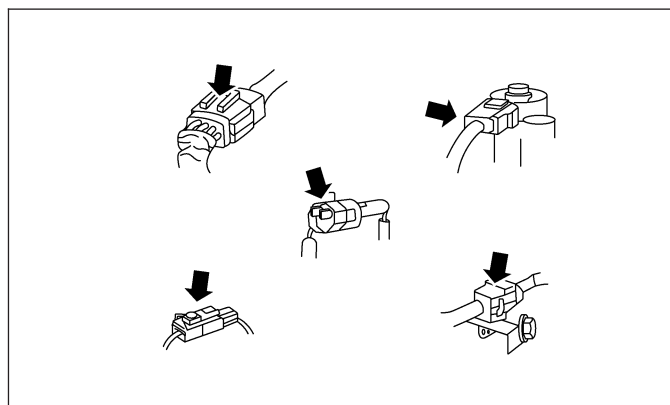
### Connectors

#### Disconnecting Connectors

- When disconnecting two connectors, grasp the connectors, not the wires.

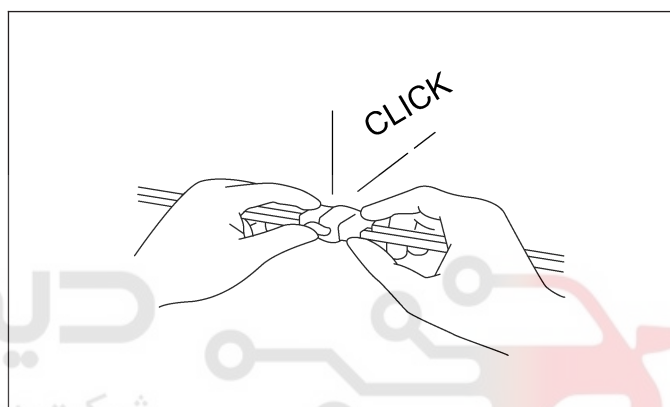


- Connectors can be disconnected by pressing or pulling the lock lever as shown.



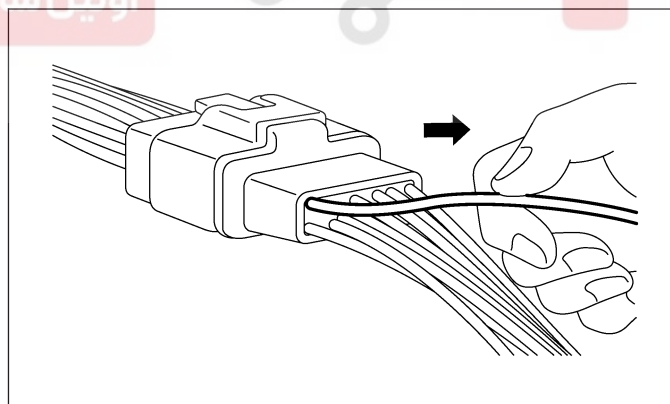
### Locking Connector

- When locking connectors, listen for a click indicating they are securely locked.



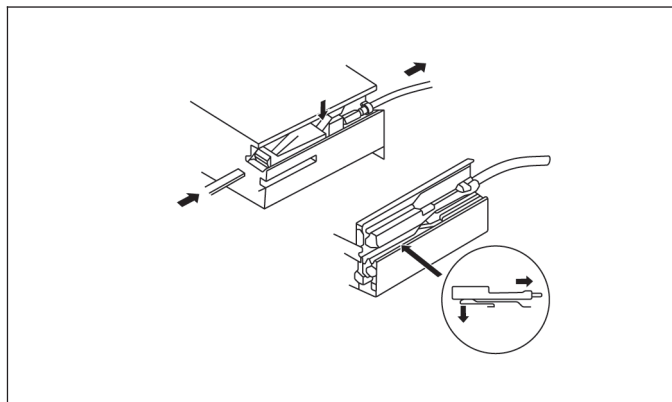
### Connector Terminals

- Pull lightly on individual wires to check that they are secured in the terminal.



**Connector/Terminal Replacement**

- Use the appropriate tools to remove a terminal as shown. While installing a terminal, be sure to insert it until it locks securely.
- Insert a thin piece of metal from the terminal side of the connector and with the terminal locking tab pressed down, pull the terminal out from the connector.



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## VEHICLE POWER DISTRIBUTION

### GENERAL INFORMATION

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## GENERAL INFORMATION

### Description

The power distribution system is designed to provide safe, reliable, centralized and convenient access to the distribution of the electrical power required to operate all vehicle electrical and electronic systems.

The following components are used for power distribution:

- Battery
- Power Fuse Box
- Front Fuse and Relay Box
- Ignition Switch
- Fuses
- Circuit Breakers
- Relays

### Operation

The power distribution system operates all electrical and electronic engine, transaxle, chassis, safety, comfort and convenience systems.

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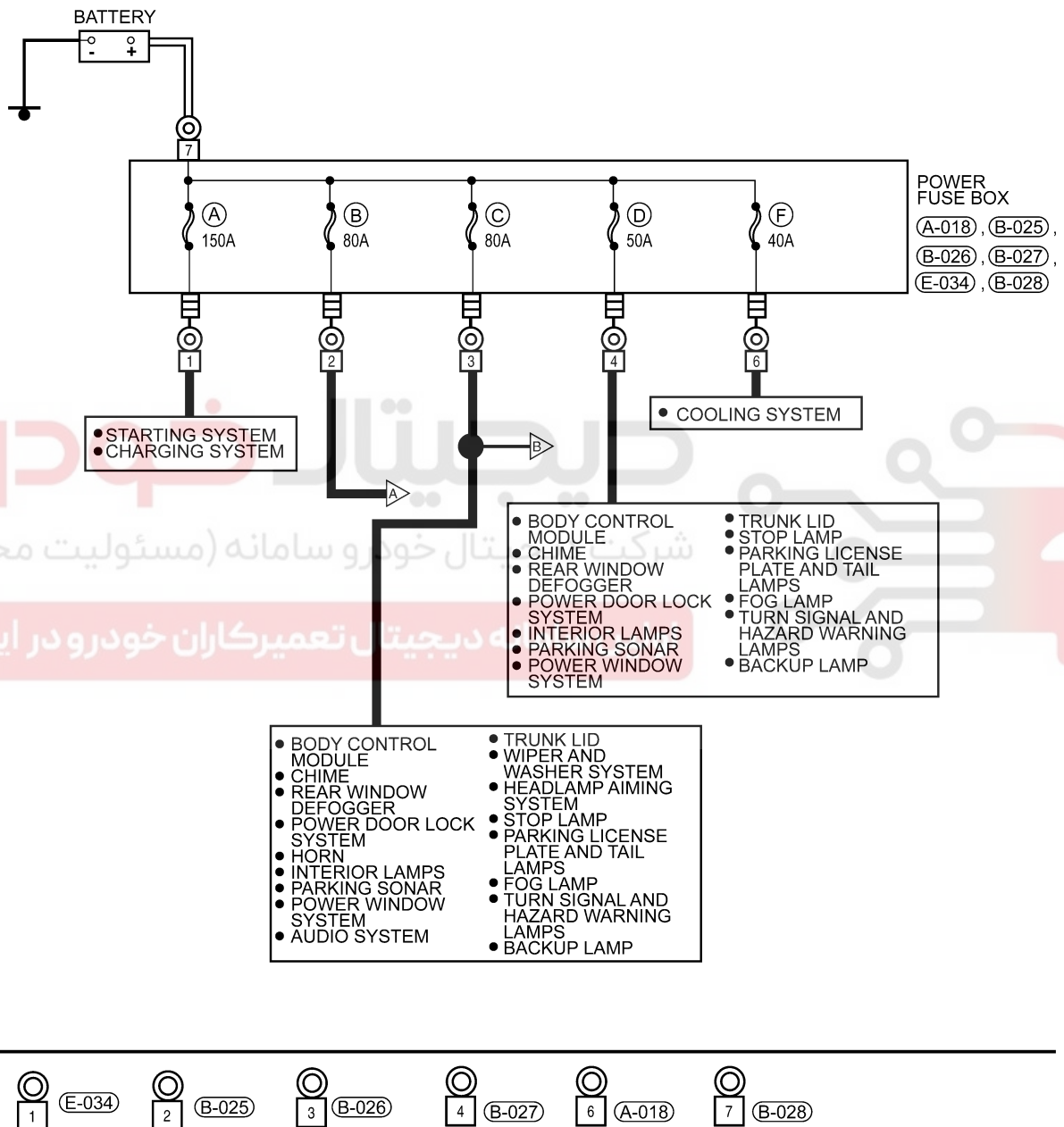


## Electrical Schematics

The power distribution electrical schematics include all wiring information detailed on the power side of all vehicle circuits. This is helpful when attempting to troubleshoot a specific electrical failure, and shows connector pin-out information and splices.

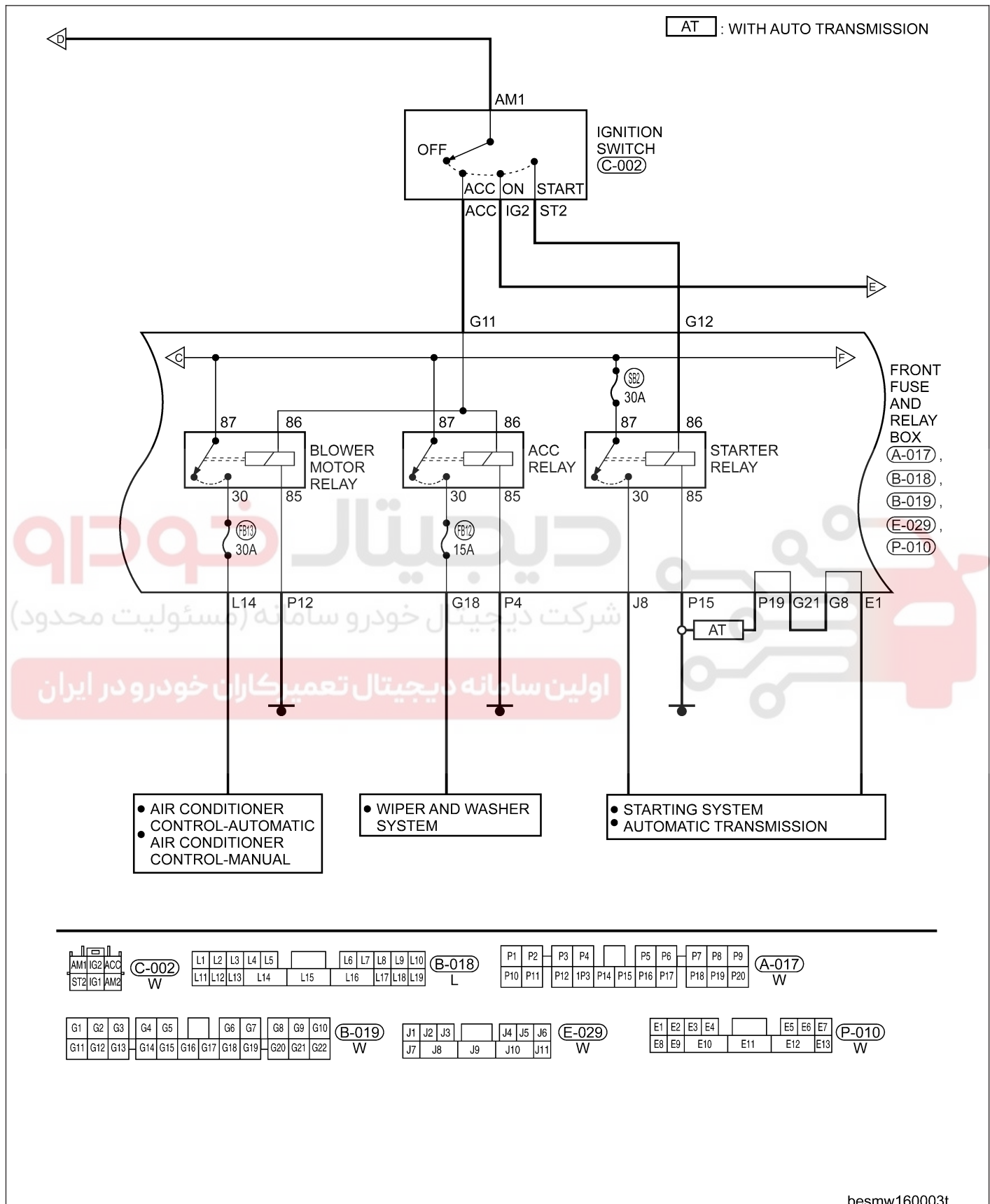
### Power Distribution (Page 1 of 7)

#### POWER DISTRIBUTION ELECTRICAL SCHEMATIC

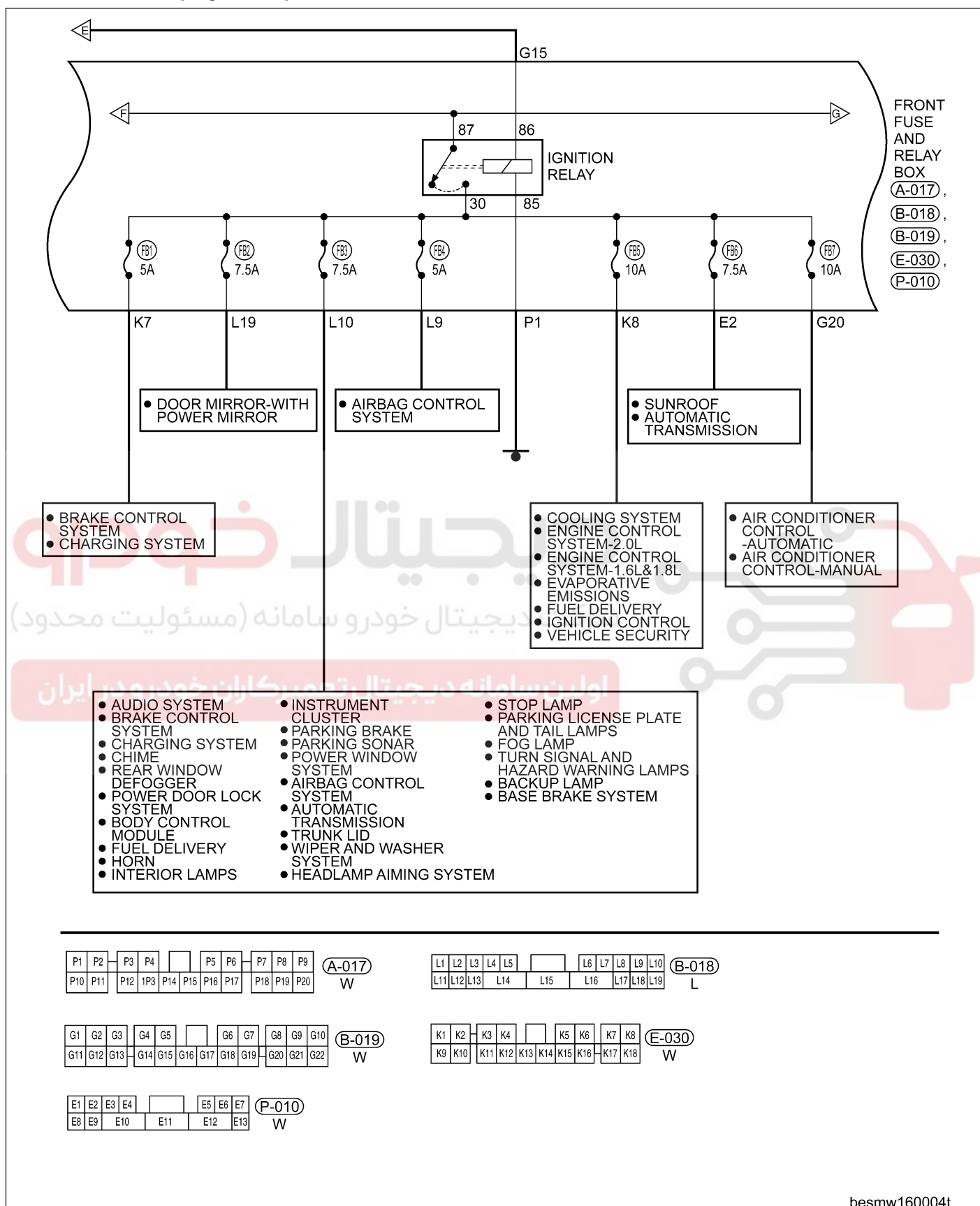




Power Distribution (Page 3 of 7)

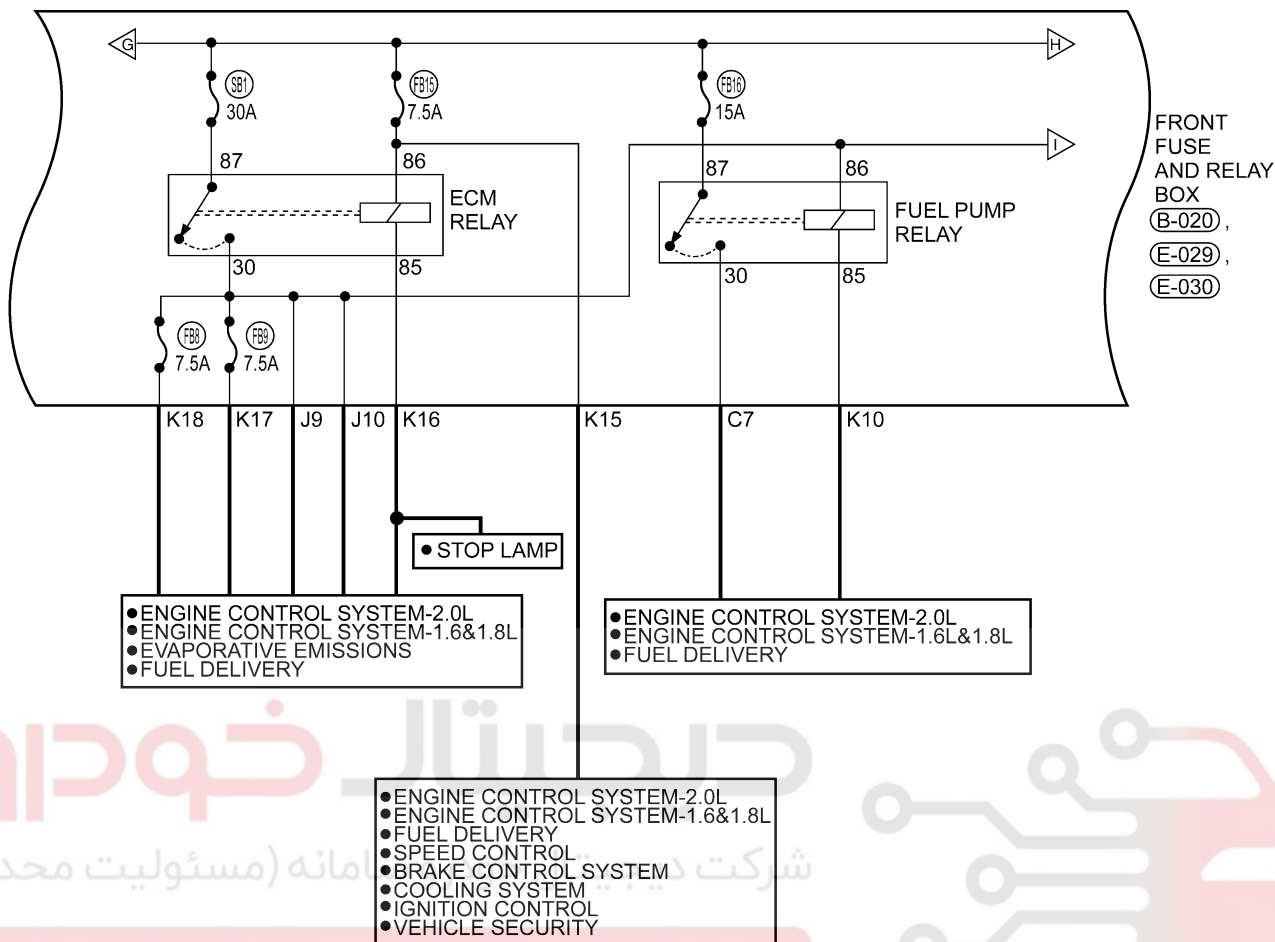


Power Distribution (Page 4 of 7)



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Power Distribution (Page 5 of 7)



|    |    |    |    |
|----|----|----|----|
| C1 | C2 | C3 | C4 |
| C5 | C6 | C7 | C8 |

(B-020)  
Y

|    |    |    |     |     |    |    |
|----|----|----|-----|-----|----|----|
| J1 | J2 | J3 |     | J4  | J5 | J6 |
| J7 | J8 | J9 | J10 | J11 |    |    |

(E-029)  
W

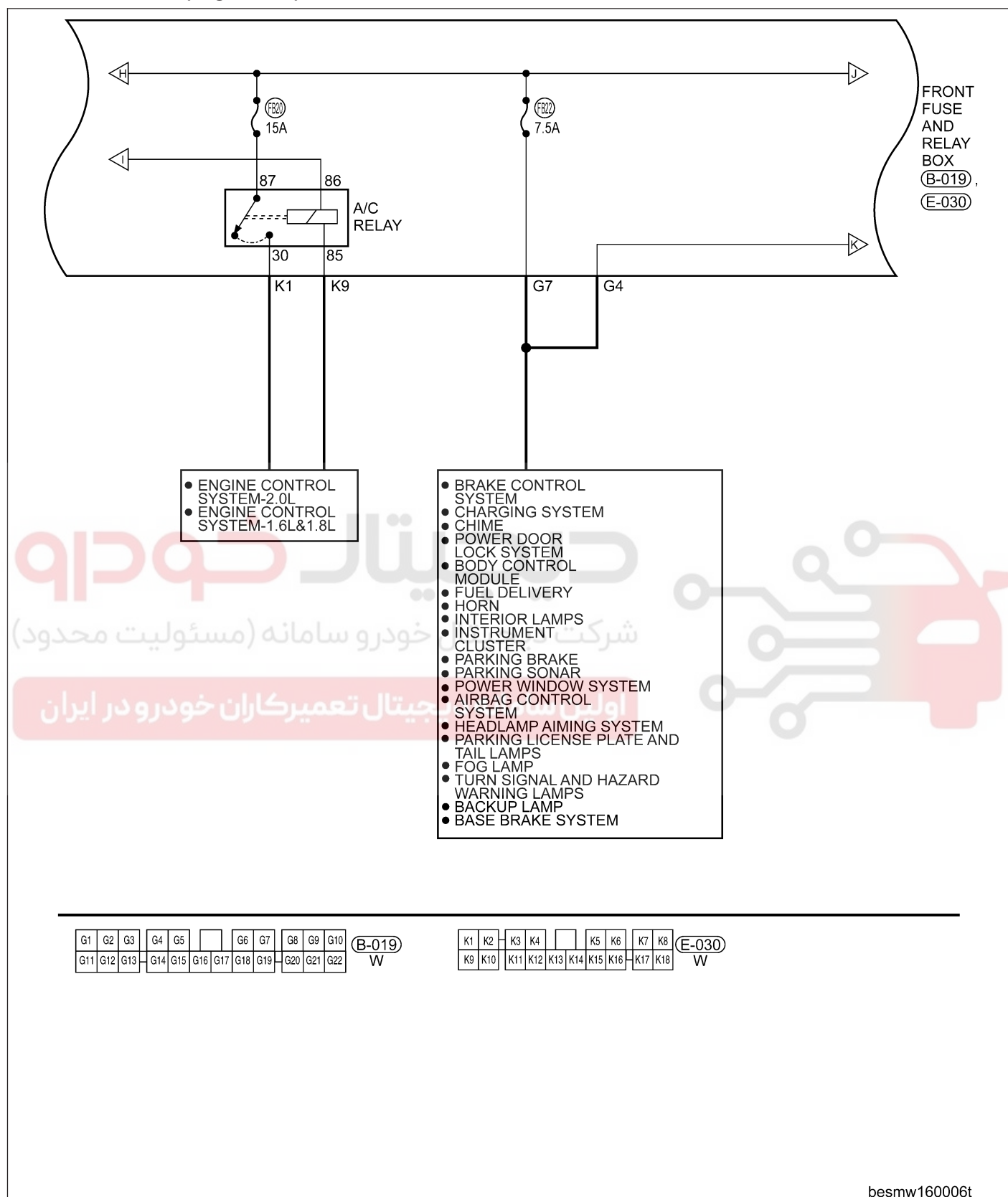
|    |     |     |     |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| K1 | K2  | K3  | K4  |     | K5  | K6  | K7  | K8  |     |
| K9 | K10 | K11 | K12 | K13 | K14 | K15 | K16 | K17 | K18 |

E-030  
W

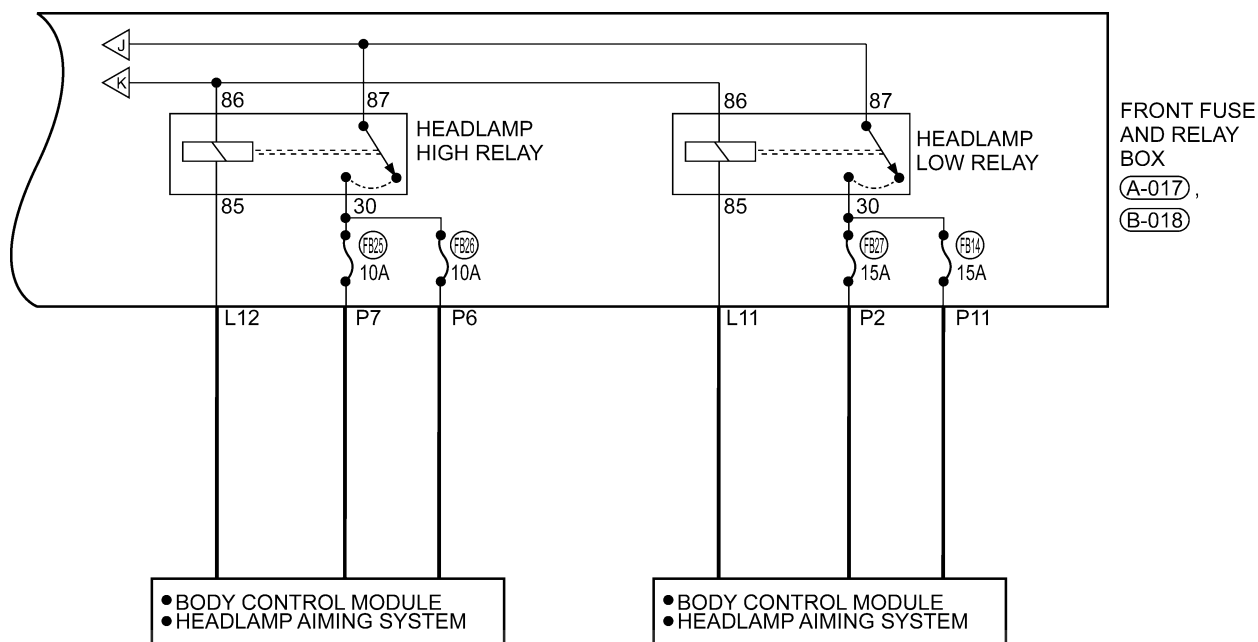
(E-030)  
W

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## Power Distribution (Page 7 of 7)



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|     |     |     |     |     |     |     |     |     |     |         |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| P1  | P2  | P3  | P4  |     | P5  | P6  | P7  | P8  | P9  | (A-017) |
| P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 | W       |

|     |     |     |     |    |     |  |     |    |     |     |     |         |
|-----|-----|-----|-----|----|-----|--|-----|----|-----|-----|-----|---------|
| L1  | L2  | L3  | L4  | L5 |     |  | L6  | L7 | L8  | L9  | L10 | (B-018) |
| L11 | L12 | L13 | L14 |    | L15 |  | L16 |    | L17 | L18 | L19 |         |

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## VEHICLE GROUND DISTRIBUTION

### GENERAL INFORMATION

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## GENERAL INFORMATION

### Description

The ground distribution system is designed to provide centralized and convenient ground locations for the entire vehicle electrical system.

### Operation

The ground distribution system provides a grounding path for all electrical and electronic engine, transaxle, chassis, safety, comfort and convenience systems.

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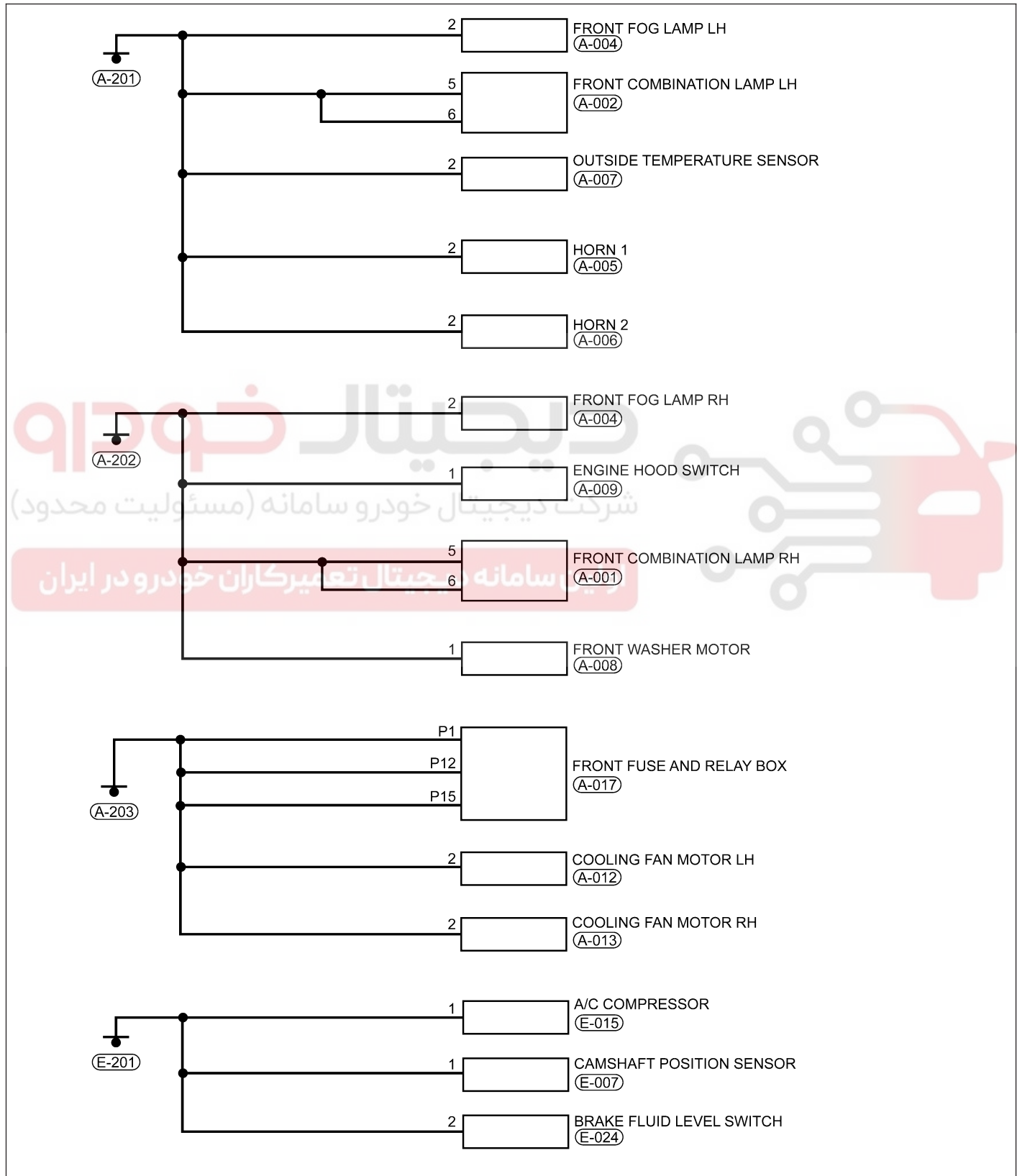
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## Electrical Schematics

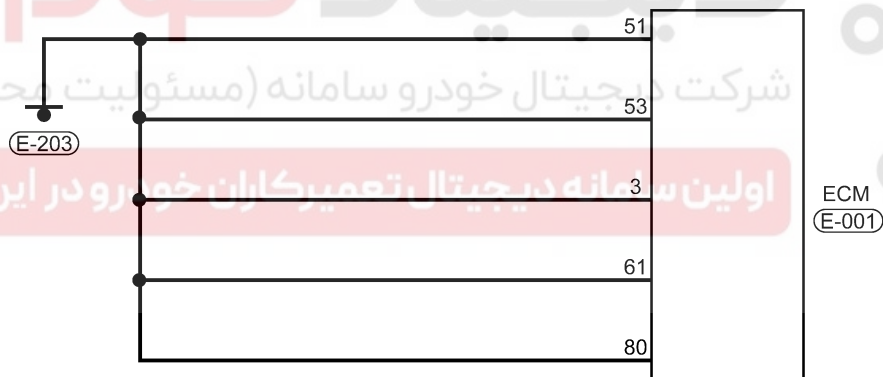
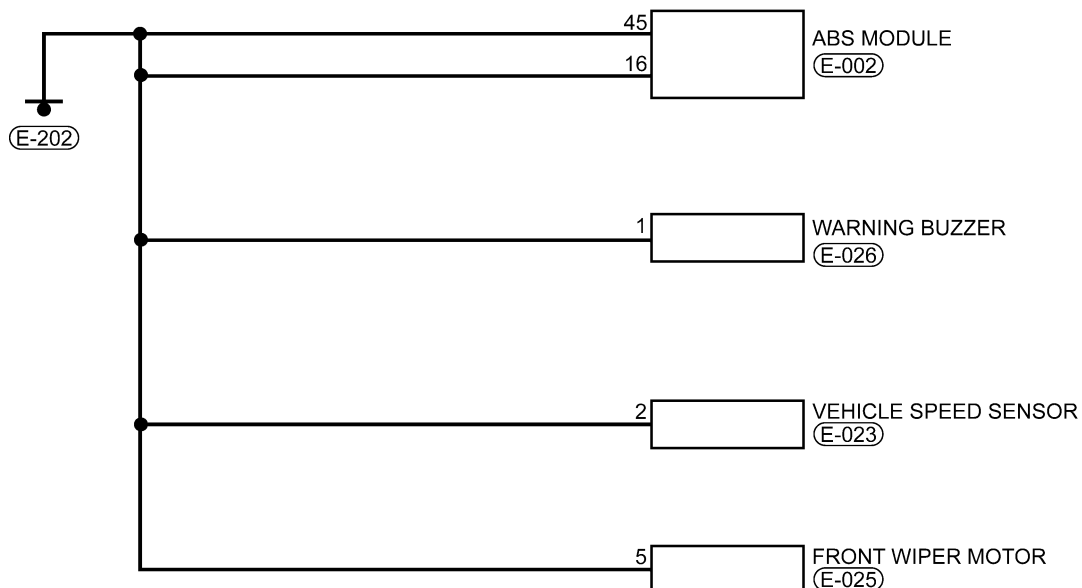
The ground distribution electrical schematics include all wiring information detailed on the ground side of all vehicle circuits. This is helpful when attempting to troubleshoot a specific electrical failure, and shows connector pin-out information and splices.

### Ground Distribution (Page 1 of 6)



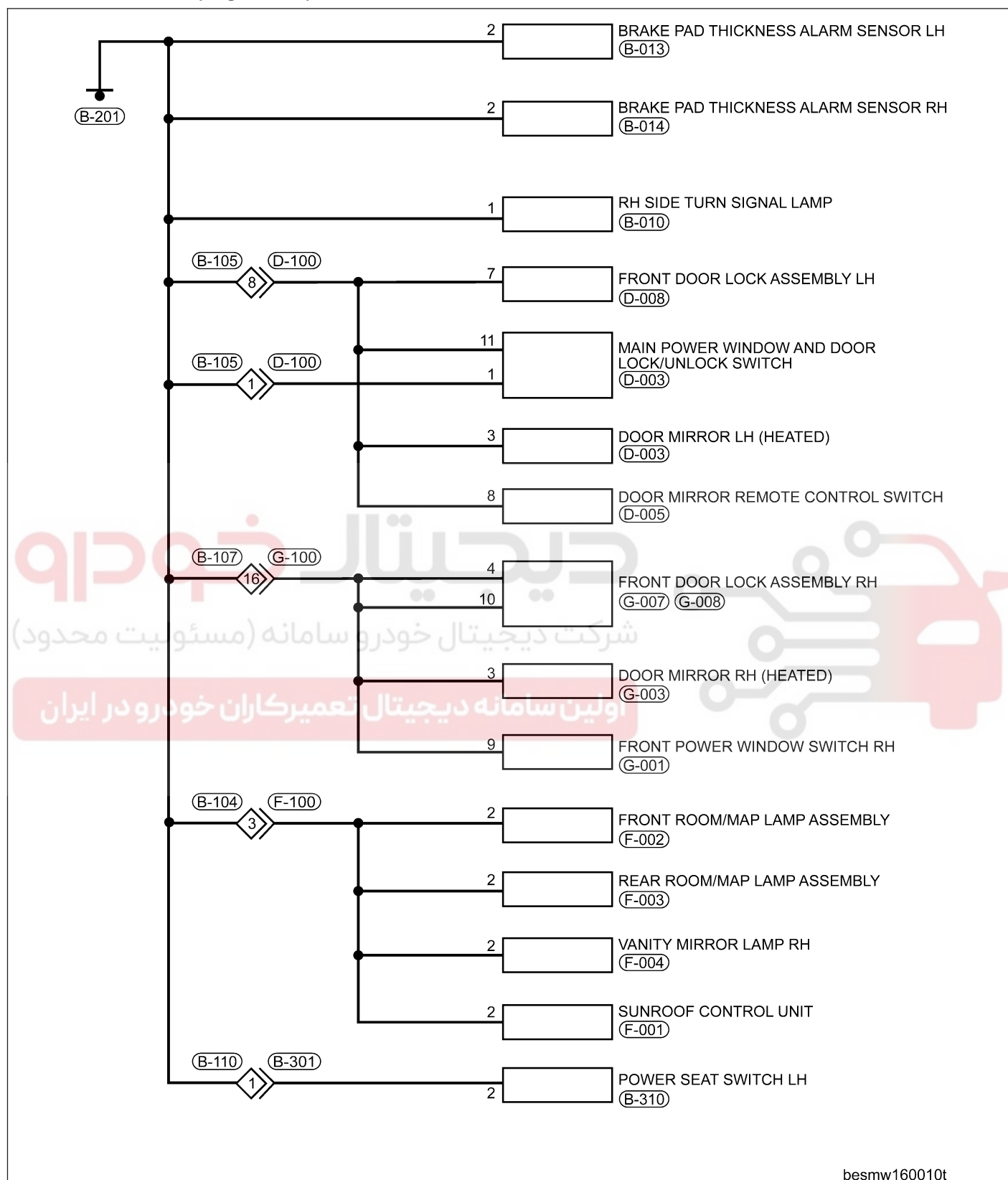
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## Ground Distribution (Page 2 of 6)

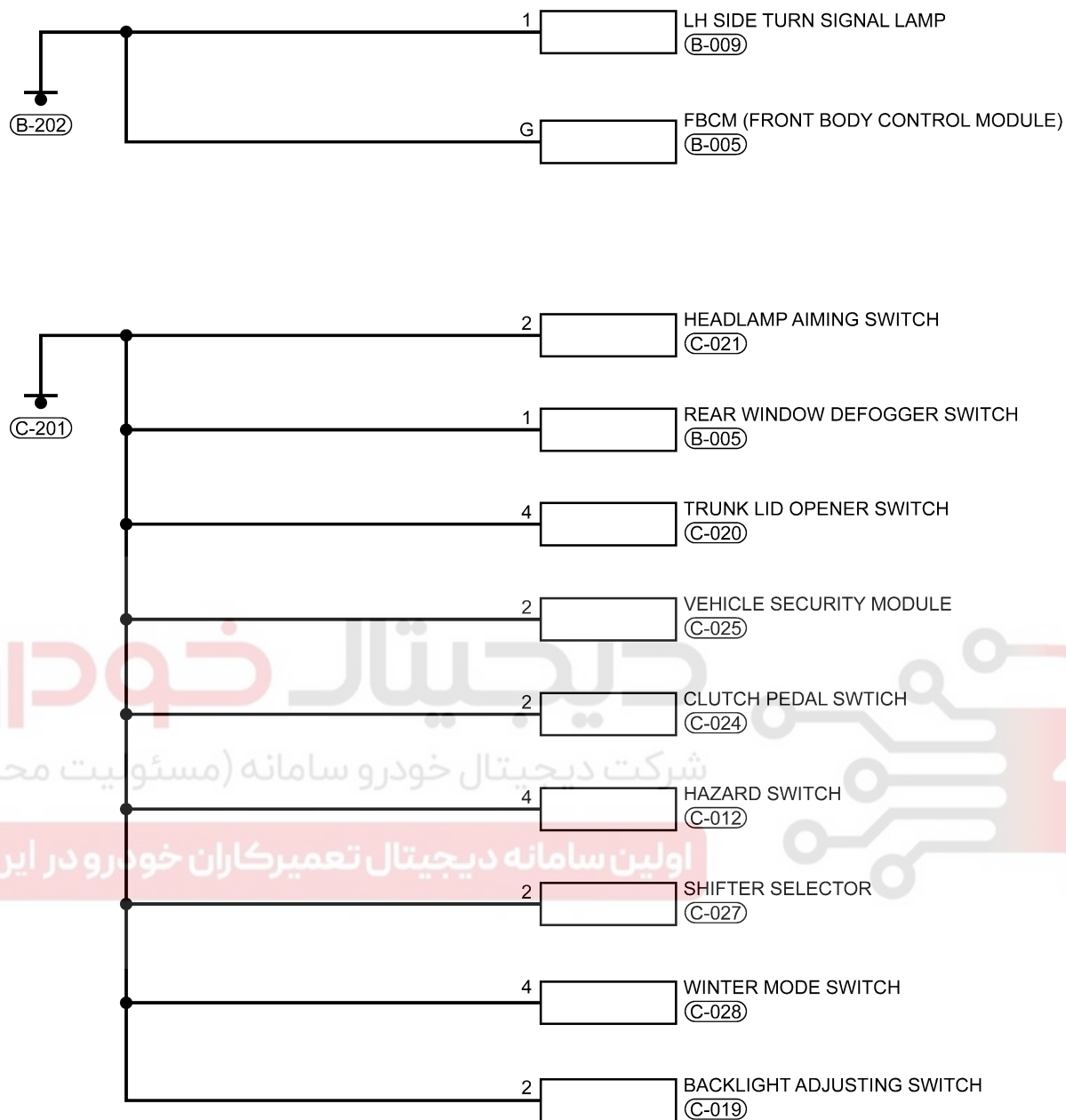


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## Ground Distribution (Page 3 of 6)

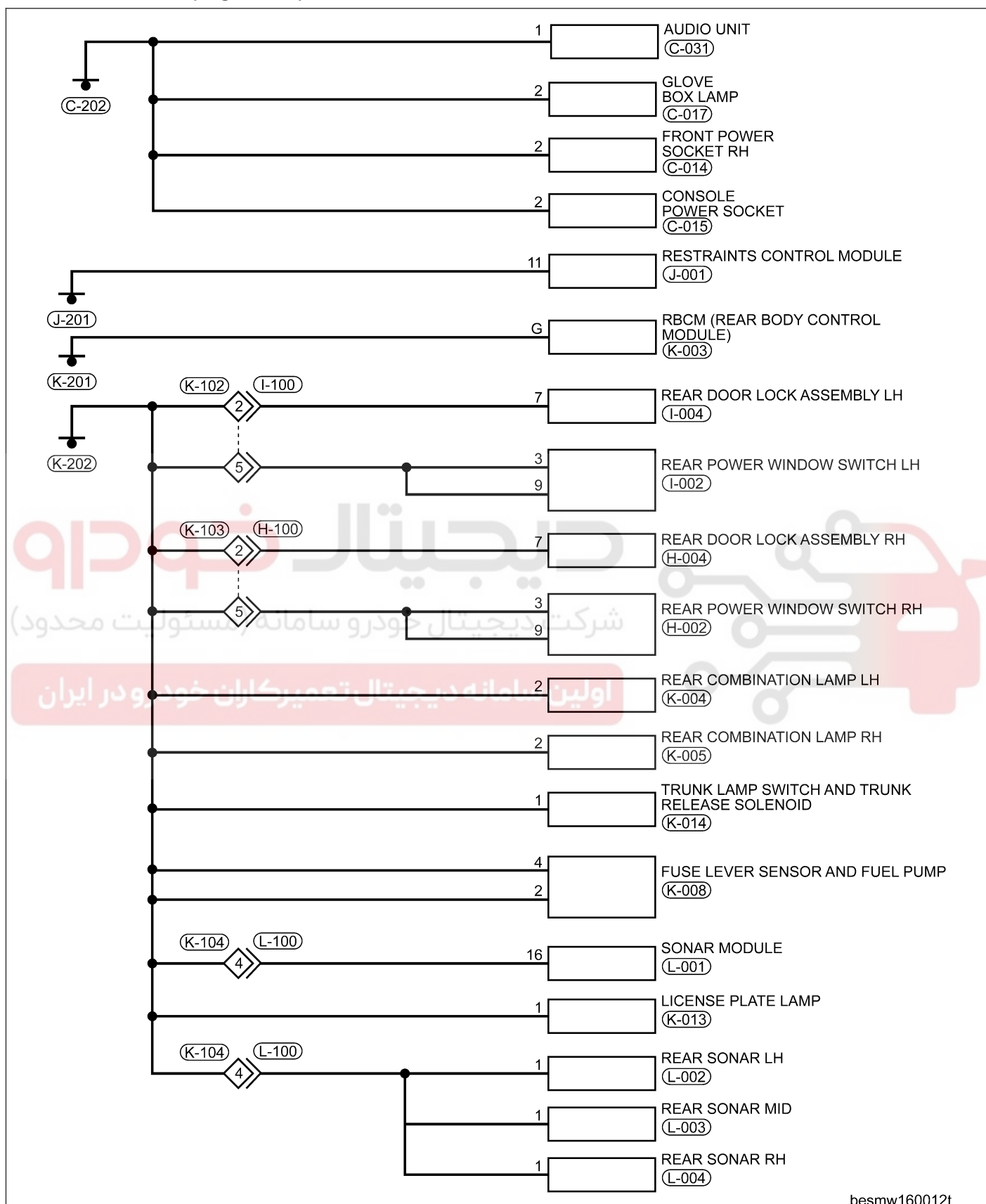


## Ground Distribution (Page 4 of 6)

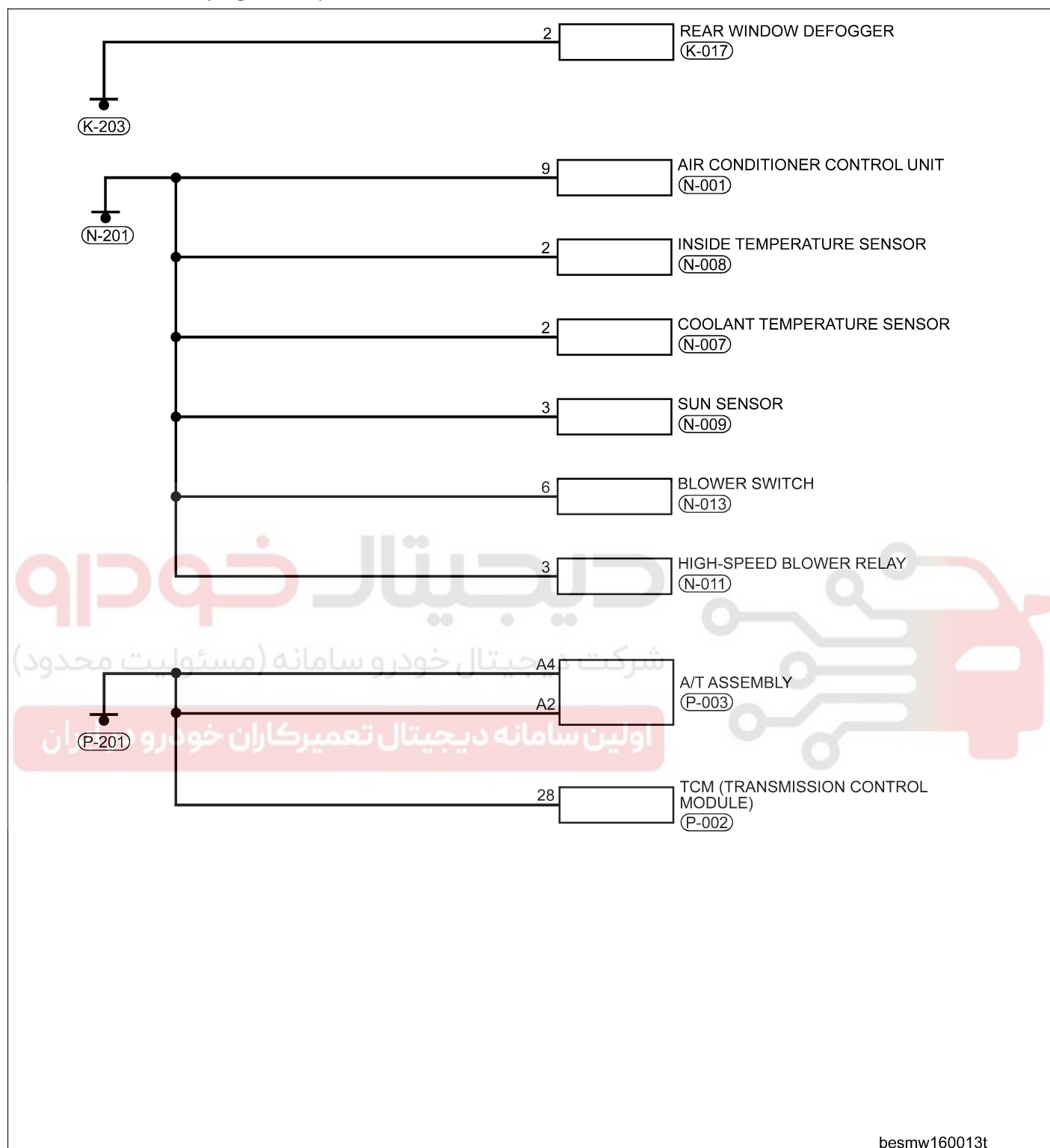


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## Ground Distribution (Page 5 of 6)



## Ground Distribution (Page 6 of 6)



## VEHICLE FUSE BOX INFORMATION

|                            |       |                                 |       |
|----------------------------|-------|---------------------------------|-------|
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## GENERAL INFORMATION

### Description

The fuse boxes are located in the engine compartment near the battery. The front fuse and relay box is equipped with a label that identifies each component. The label is printed on the inside of the cover. The power fuse box identifies the rating of each fuse individually.

The vehicle fuses are located in the following locations:

- Power Fuse Box
- Front Fuse And Relay Box

### Operation

When replacing a blown fuse, it is important to use only a fuse having the correct amperage rating. The use of a fuse with a rating other than indicated may result in a dangerous electrical system overload. If a properly rated fuse continues to blow, it indicates a problem in the circuit that must be corrected.

### Power Fuse Box

#### Description

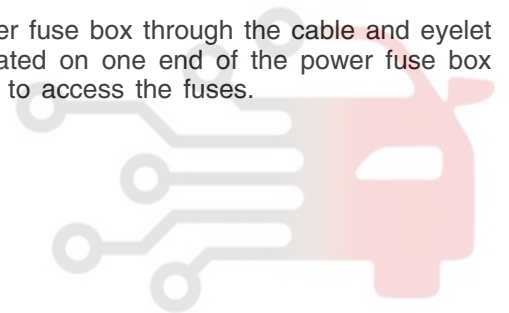
All of the electrical current distributed throughout the vehicle is directed through the power fuse box. The power fuse box houses six maxi-type bolt in fuses. The power fuse box is located on top of the battery, mounted to the battery hold down bracket.

#### Operation

All of the current from the battery and the generator output enters the power fuse box through the cable and eyelet that are secured with a nut to the power fuse box B(+) terminal stud located on one end of the power fuse box housing. The power fuse box terminal stud cover is unlatched and opened to access the fuses.

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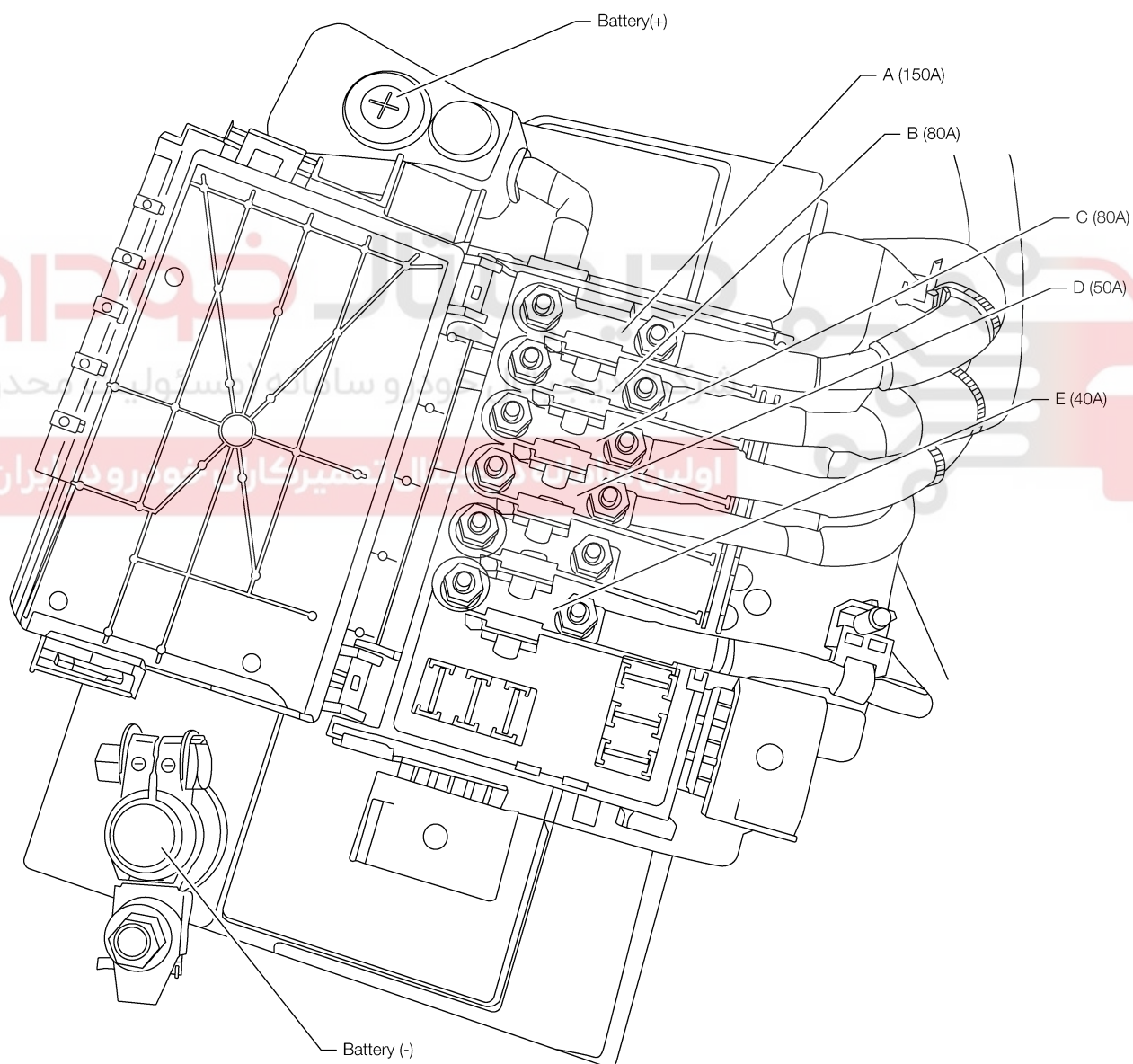
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## Overview

## Power Fuse Box

POWER FUSE BOX (BATTERY)



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## Front Fuse And Relay Box

### Description

The front fuse and relay box houses many of the fuses and relays for the vehicles electrical system. The front fuse and relay box is located on the left side of the engine compartment just in front of the brake booster. The front fuse and relay box cannot be serviced it must be replaced as a unit.

### Operation

All of the circuits entering and leaving the front fuse and relay box do so through separate wires. There are NO separate wiring harness connectors that connect to the front fuse and relay box. Each circuit is connected individually to the front fuse and relay box, and held in place by the use of connector retention combs.

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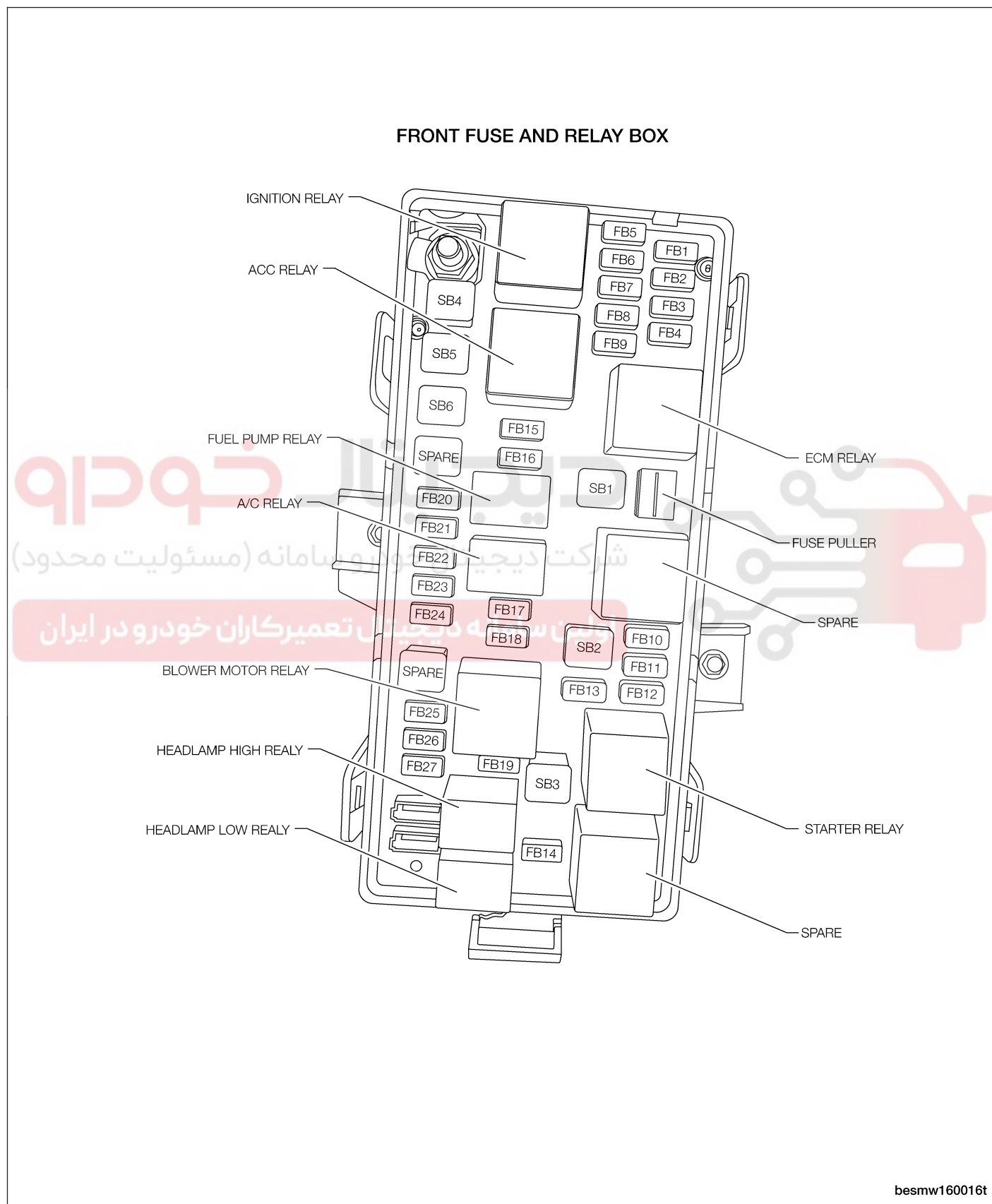
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## Overview

## Front Fuse And Relay Box



## VEHICLE WIRING HARNESS INFORMATION

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## GENERAL INFORMATION

### Description

This section provides illustrations identifying component, ground and splice locations in the vehicle.

To help locate all electrical components on the drawings, the following harness layouts use a map style grid:

- Engine Control Harness
- Instrument Panel Harness
- Rear Body Harness
- Main Harness
- Front End Module Harness
- LH Front Door Harness
- RH Front Door Harness
- LH Rear Door Harness
- RH Rear Door Harness
- Transmission Harness
- Roof Harness
- Sonar Harness
- Air Conditioning Harness
- Airbag Harness

### Operation

Use the wiring harness diagrams in each harness section for component, ground and splice identification. Refer to the appropriate index for the specific vehicle harness.

### How To Read Harness Layout Diagrams

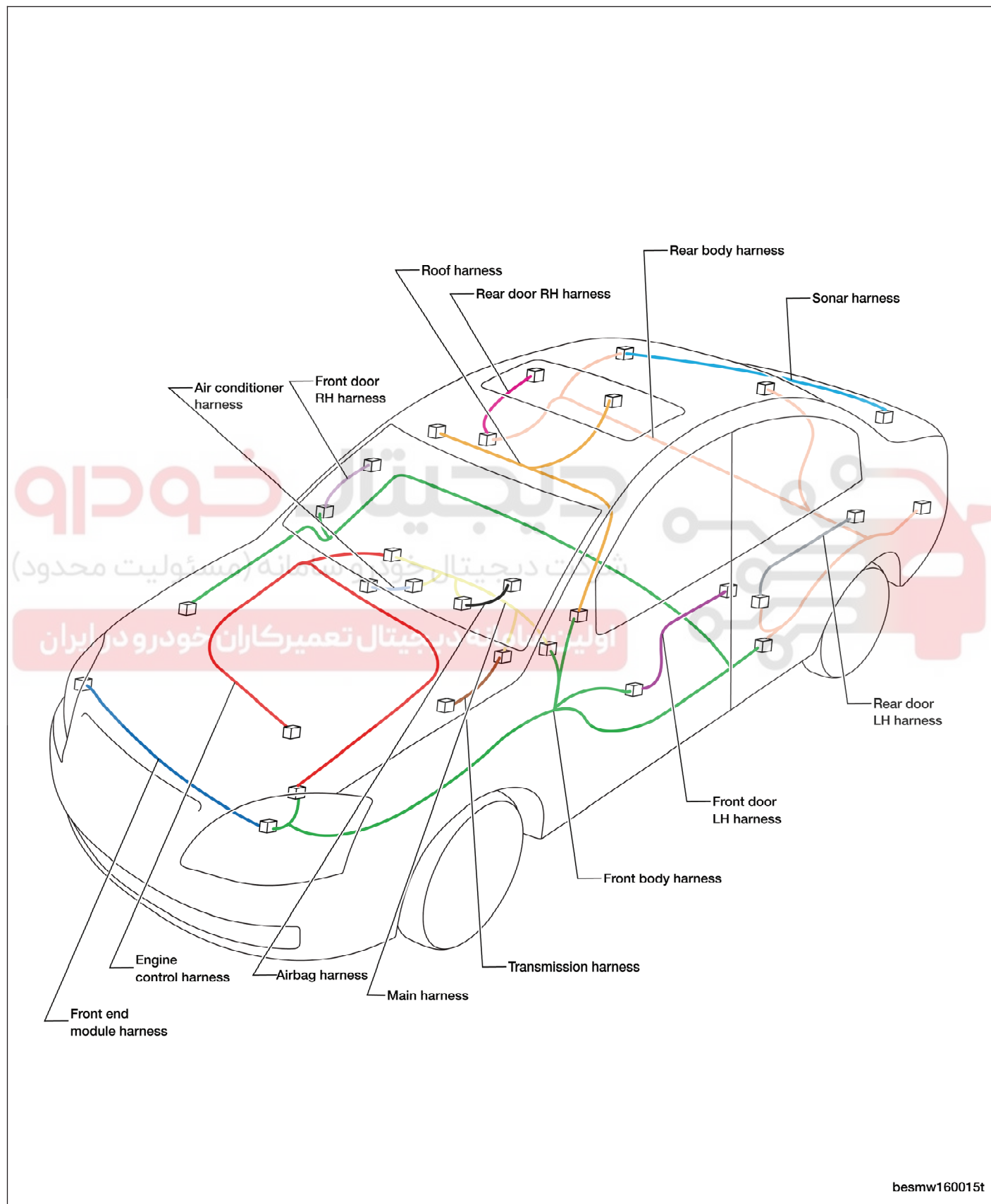
1. Find the desired connector number on the connector list.
2. Find the grid reference.
3. On the drawing, find the crossing of the grid reference column letter and row number.
4. Find the connector number in the crossing zone.
5. Follow the line (if used) to the connector.



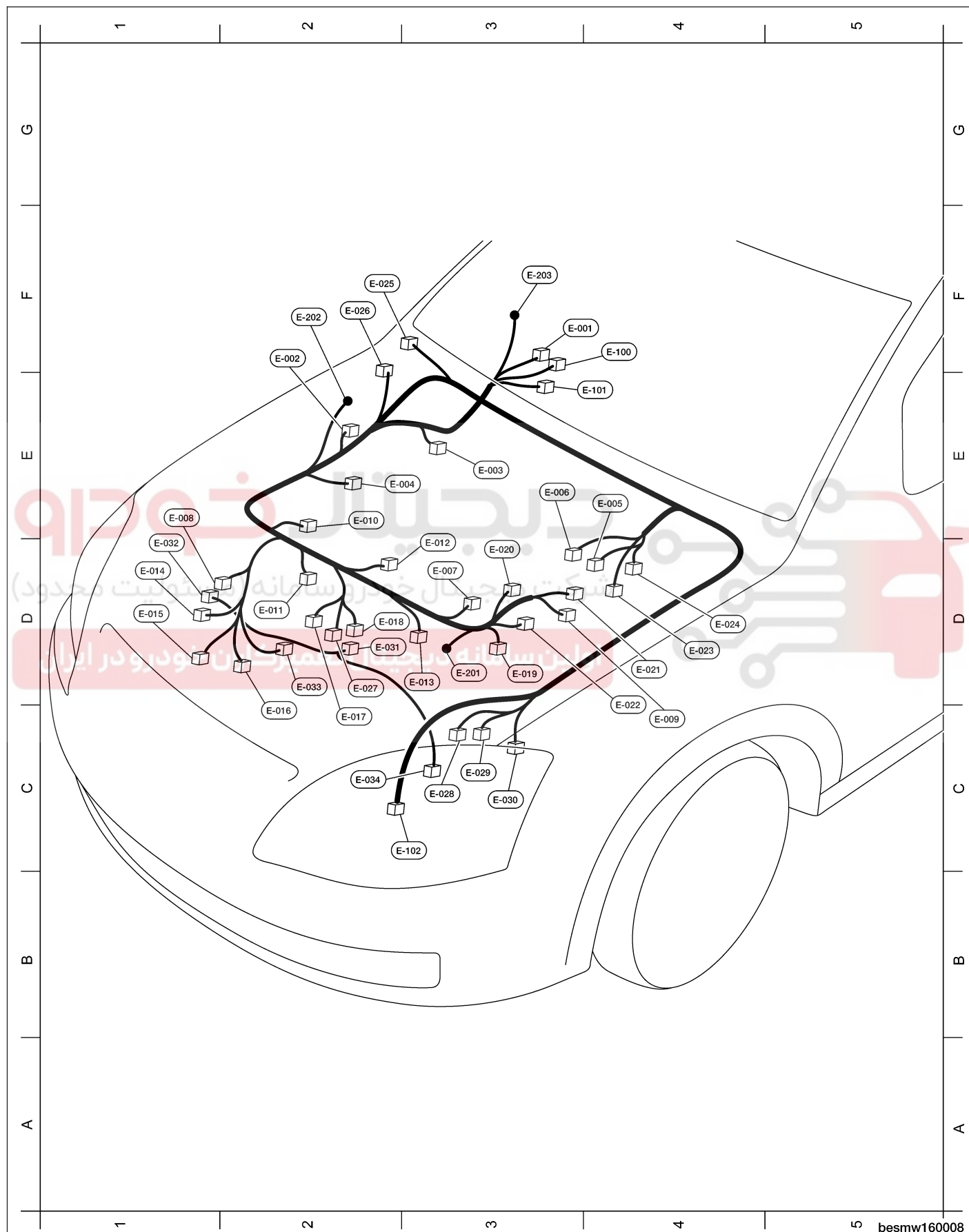
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# VEHICLE HARNESS ROUTING MAPS

## Vehicle Harness Layout



## Engine Control Harness

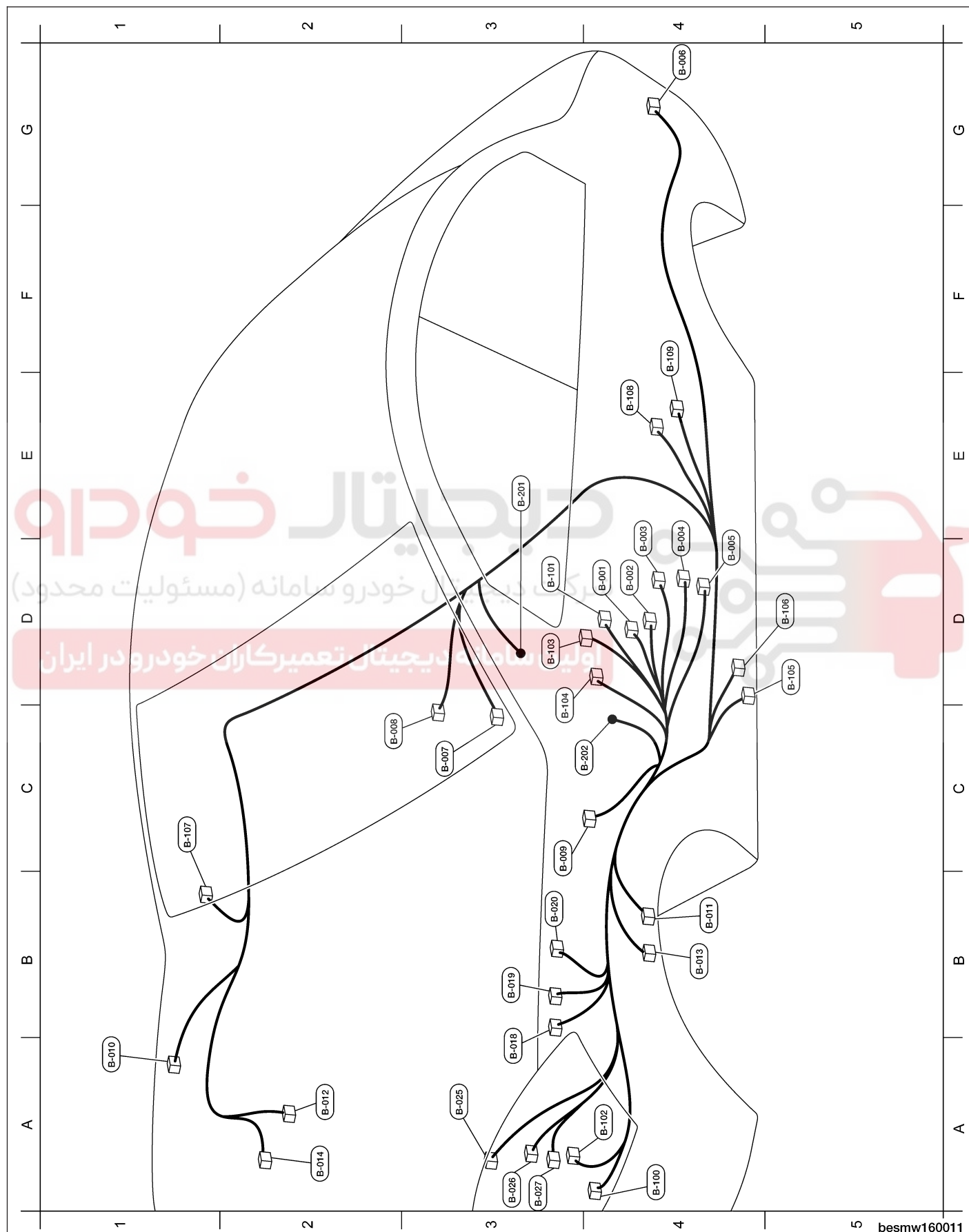


besmw160008

## VEHICLE HARNESS ROUTING MAPS

|       |       |                                    |    |
|-------|-------|------------------------------------|----|
| E-001 | B/81  | ECM                                | F3 |
| E-002 | B/46  | ABS Module                         | F2 |
| E-003 | B/4   | A/C Pressure Switch                | E3 |
| E-004 | W-O/4 | Oxygen Sensor 1                    | E2 |
| E-005 | W-O/4 | Oxygen Sensor 2                    | E4 |
| E-006 | B/3   | Crankshaft Position Sensor         | E3 |
| E-007 | B/3   | Camshaft Position Sensor           | D3 |
| E-008 | B/3   | Generator                          | E1 |
| E-009 | B/5   | Air Flow Sensor                    | C4 |
| E-010 | B/2   | Fuel Injector No. 1                | E2 |
| E-011 | B/2   | Fuel Injector No. 2                | D2 |
| E-012 | B/2   | Fuel Injector No. 3                | D3 |
| E-013 | B/2   | Fuel Injector No. 4                | D3 |
| E-014 | GR/1  | Power Steering Switch              | D1 |
| E-015 | B/2   | A/C Compressor                     | D1 |
| E-016 | W/1   | Oil Pressure Switch                | C2 |
| E-017 | B/3   | Knock Sensor                       | C2 |
| E-018 | B/1   | Starter Motor                      | D2 |
| E-019 | B/2   | Engine Coolant Temperature Sensor  | D3 |
| E-020 | B/4   | Ignition Coil                      | D3 |
| E-021 | B/2   | Backup Lamp Switch                 | D4 |
| E-022 | B/2   | Canister Control Valve             | D4 |
| E-023 | B/3   | Vehicle Speed Sensor               | D4 |
| E-024 | B/2   | Brake Fluid Level Switch           | D4 |
| E-025 | W/5   | Front Wiper Motor                  | F2 |
| E-026 | B/2   | Warning Buzzer                     | F2 |
| E-027 | B/6   | Electric Throttle Control Actuator | D2 |
| E-028 | B/2   | Front Fuse And Relay Box           | C3 |
| E-029 | W/11  | Front Fuse And Relay Box           | C3 |
| E-030 | W/18  | Front Fuse And Relay Box           | C3 |
| E-031 | B/1   | Starter Motor (Battery)            | D2 |
| E-032 | B/1   | Generator (Battery)                | D1 |
| E-033 | B/4   | Manifold Absolute Pressure Sensor  | D2 |
| E-034 | /1    | Power Fuse Box                     | C2 |
| E-100 | B/16  | To C-100                           | F4 |
| E-101 | B/16  | To C-101                           | E4 |
| E-102 | B/16  | To B-102                           | C3 |
| E-201 | -     | Ground                             | D3 |
| E-202 | -     | Ground                             | F2 |
| E-203 | -     | Ground                             | F3 |

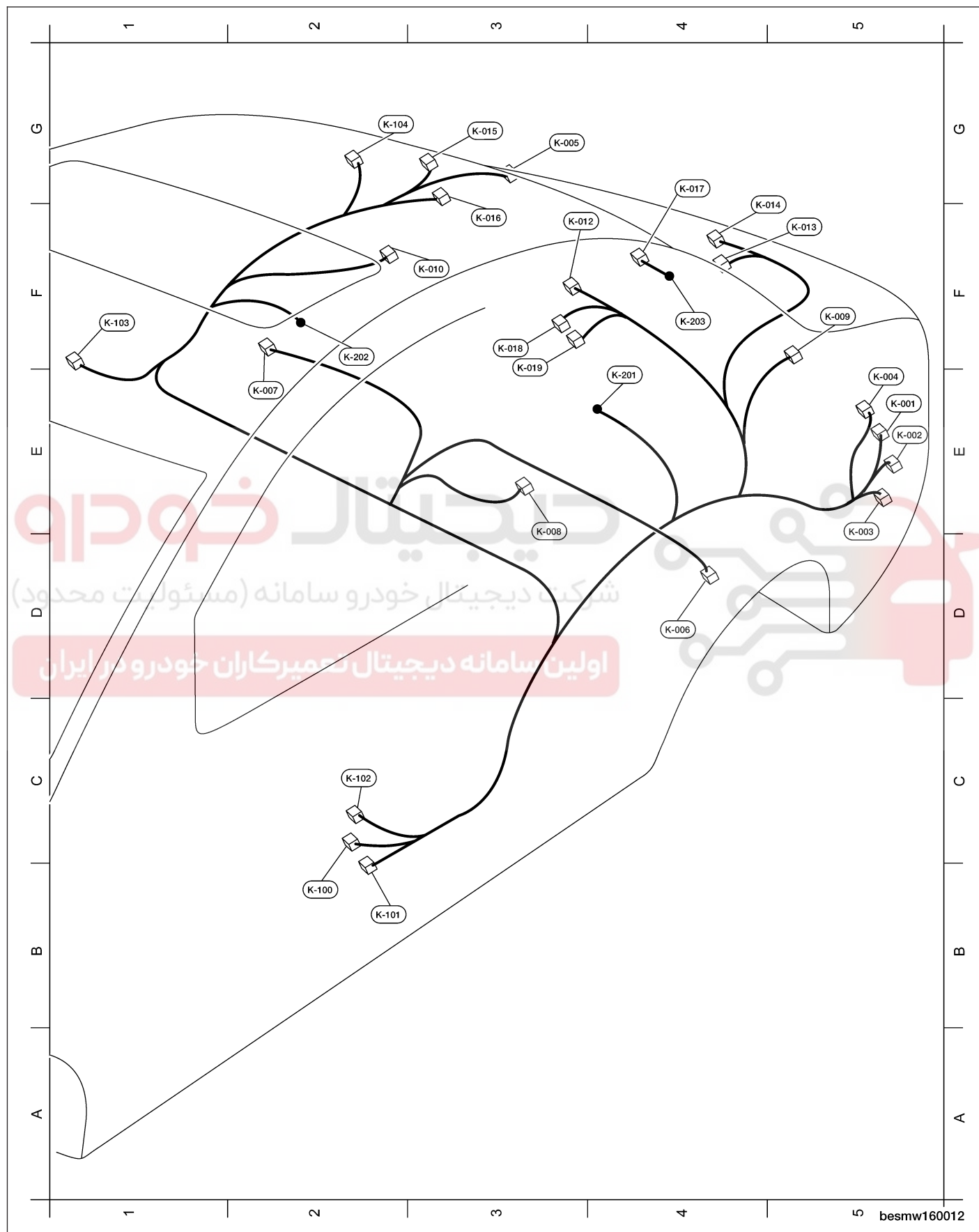
## Main Harness



## VEHICLE HARNESS ROUTING MAPS

|       |      |                                  |    |
|-------|------|----------------------------------|----|
| B-001 | L/32 | FBCM (Front Body Control Module) | D4 |
| B-002 | W/20 | FBCM (Front Body Control Module) | D4 |
| B-003 | W/12 | FBCM (Front Body Control Module) | D4 |
| B-004 | B/1  | FBCM (Front Body Control Module) | D4 |
| B-005 | B/1  | FBCM (Front Body Control Module) | D4 |
| B-006 | B/1  | RBCM (Rear Body Control Module)  | G4 |
| B-007 | W/2  | Seat Belt Buckle Switch          | C3 |
| B-008 | W/1  | Parking Brake Switch             | C2 |
| B-009 | B/2  | LH Side Turn Signal Lamp         | C3 |
| B-010 | B/2  | RH Side Turn Signal Lamp         | A1 |
| B-011 | W/2  | Front Left Wheel Speed Sensor    | B4 |
| B-012 | W/2  | Front Right Wheel Speed Sensor   | A2 |
| B-013 | B/2  | Brake Pad Thickness Alarm Sensor | B4 |
| B-014 | B/2  | Brake Pad Thickness Alarm Sensor | A2 |
| B-018 | L/19 | Front Fuse And Relay Box         | A3 |
| B-019 | W/22 | Front Fuse And Relay Box         | B3 |
| B-020 | W/8  | Front Fuse And Relay Box         | B3 |
| B-025 | /1   | Power Fuse Box                   | A3 |
| B-026 | /1   | Power Fuse Box                   | A3 |
| B-027 | /1   | Power Fuse Box                   | A3 |
| B-100 | B/14 | To A-100                         | A4 |
| B-101 | B/16 | To C-102                         | D3 |
| B-102 | B/16 | To E-102                         | A3 |
| B-103 | B/40 | To C-103                         | D3 |
| B-104 | B/8  | To F-100                         | D3 |
| B-105 | B/16 | To D-100                         | D4 |
| B-106 | B/16 | To D-101                         | D4 |
| B-107 | B/16 | To G-100                         | C1 |
| B-108 | B/16 | To K-100                         | E4 |
| B-109 | B/16 | To K-101                         | E4 |
| B-201 | -    | Ground                           | E3 |
| B-202 | -    | Ground                           | C4 |

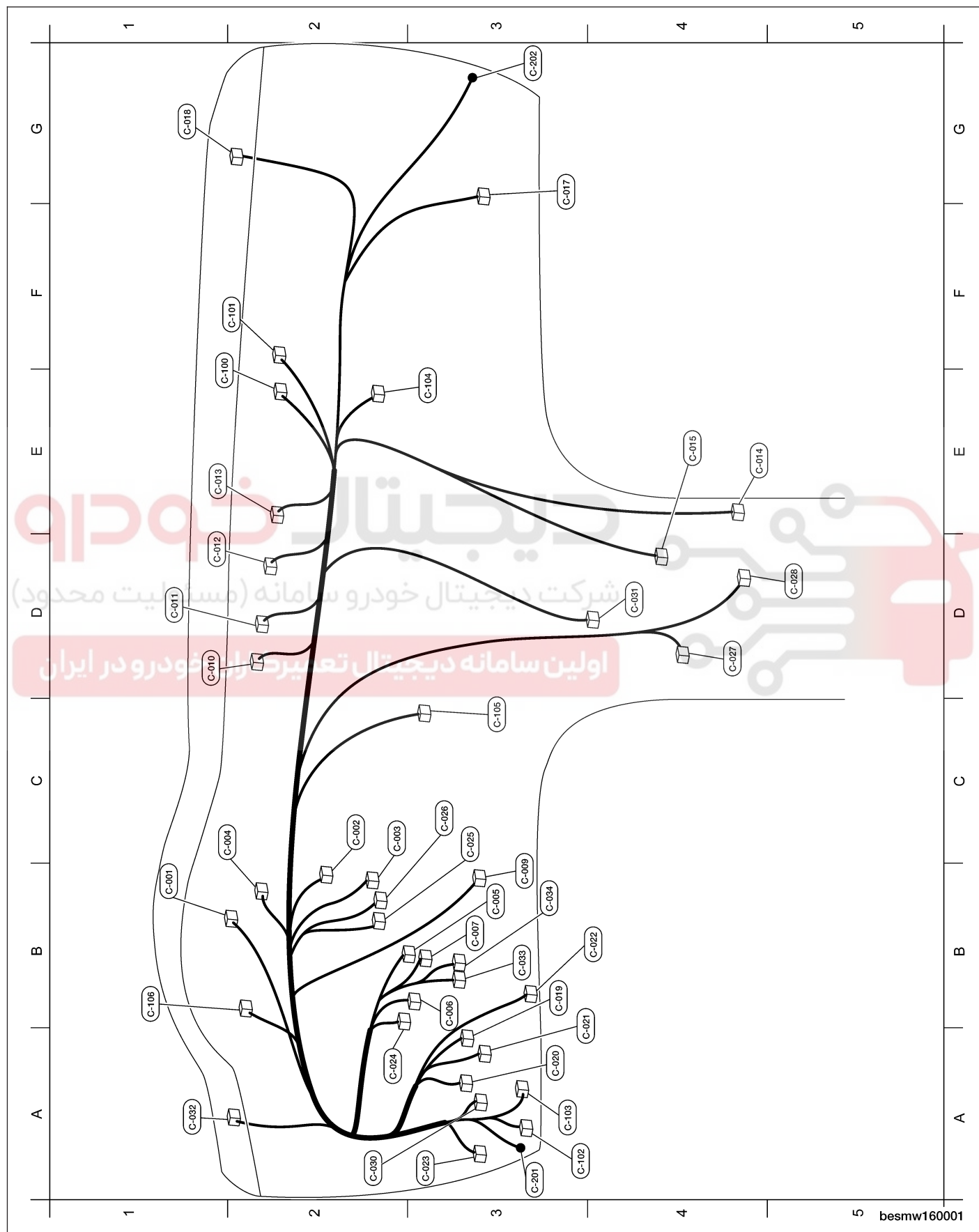
# Rear Body Harness



## VEHICLE HARNESS ROUTING MAPS

|       |      |                                              |    |
|-------|------|----------------------------------------------|----|
| K-001 | G/32 | RBCM (Rear Body Control Module)              | E5 |
| K-002 | W/20 | RBCM (Rear Body Control Module)              | E5 |
| K-003 | B/1  | RBCM (Rear Body Control Module)              | E5 |
| K-004 | B/6  | Rear Combination Lamp LH                     | E5 |
| K-005 | B/6  | Rear Combination Lamp RH                     | G3 |
| K-006 | B/2  | Rear Left Wheel Speed Sensor LH              | D4 |
| K-007 | B/2  | Rear Left Wheel Speed Sensor RH              | E2 |
| K-008 | B/4  | Fuel Level Sensor And Fuel Pump              | E3 |
| K-009 | B/2  | Rear Speaker LH                              | F5 |
| K-010 | B/2  | Rear Speaker RH                              | F3 |
| K-012 | W/2  | High Mounted Stop Lamp                       | F3 |
| K-013 | W/2  | License Plate Lamp                           | F5 |
| K-014 | W/3  | Trunk Lamp Switch And Trunk Release Solenoid | G4 |
| K-015 | W/2  | Antenna Amp.                                 | G3 |
| K-016 | W/1  | Rear Window Defogger                         | G3 |
| K-017 | W/1  | Rear Window Defogger                         | F4 |
| K-018 | G/1  | Trunk Lamp                                   | F3 |
| K-019 | G/1  | Trunk Lamp                                   | F3 |
| K-100 | B/16 | To B-108                                     | C2 |
| K-101 | B/8  | To B-109                                     | B2 |
| K-102 | Y/10 | To I-100                                     | C3 |
| K-103 | Y/10 | To H-100                                     | F1 |
| K-104 | B/6  | To L-100                                     | G2 |
| K-201 | -    | Ground                                       | E4 |
| K-202 | -    | Ground                                       | F2 |
| k-203 | -    | Ground                                       | F4 |

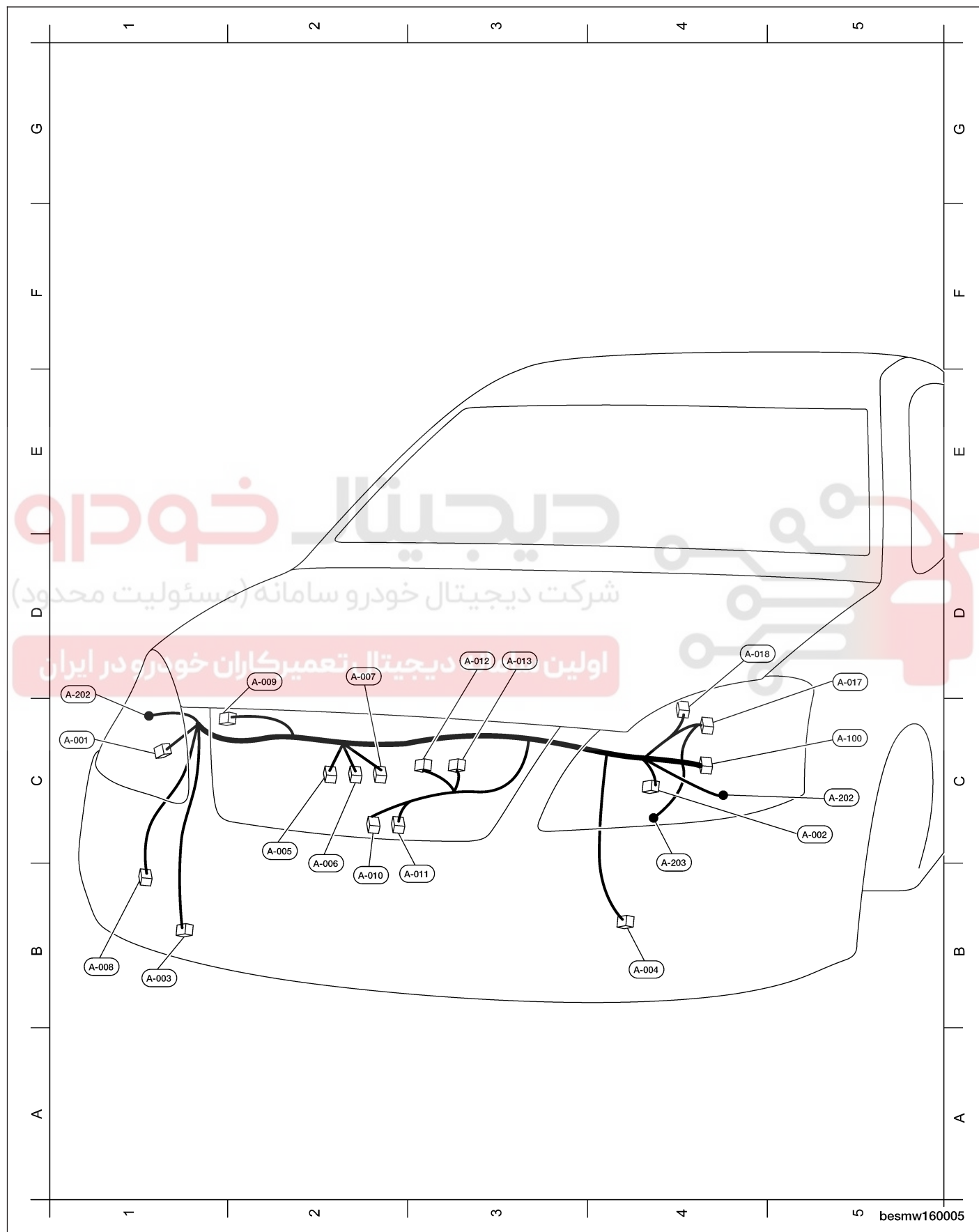
## Instrument Panel Harness



## VEHICLE HARNESS ROUTING MAPS

|       |      |                                              |    |
|-------|------|----------------------------------------------|----|
| C-001 | L/32 | Instrument Cluster                           | B1 |
| C-002 | W/6  | Ignition Switch                              | C2 |
| C-003 | W/4  | Key Switch                                   | C2 |
| C-004 | W/2  | Key Hole Lamp                                | C2 |
| C-005 | Y/4  | Brake Switch                                 | B3 |
| C-006 | W/13 | Lighting And Turn Signal Switch              | B3 |
| C-007 | B/10 | Wiper And Washer Switch                      | B3 |
| C-009 | B/6  | Throttle Pedal Position Sensor               | B3 |
| C-010 | W/6  | Front Fog Lamp Switch                        | D1 |
| C-011 | Y/6  | Rear Fog Lamp Switch                         | D1 |
| C-012 | L/6  | Hazard Switch                                | D1 |
| C-013 | B/6  | Rear Window Defogger Switch                  | E1 |
| C-014 | W/2  | Front Power Socket RH                        | E3 |
| C-015 | W/2  | Console Power Socket (For Cigarette Lighter) | E4 |
| C-017 | B/2  | Glove Box Lamp                               | G3 |
| C-018 | B/2  | Front Tweeter RH                             | G1 |
| C-019 | B/6  | Backlight Adjusting Switch                   | B3 |
| C-020 | G/6  | Trunk Lid Opener Switch                      | A3 |
| C-021 | L/32 | CAN Converter                                | A3 |
| C-022 | B/16 | Data Link Connector                          | B4 |
| C-023 | G/32 | FBCM (Front Body Control Module)             | A3 |
| C-024 | B/2  | Clutch Pedal Switch                          | A2 |
| C-025 | B/8  | Vehicle Security                             | C3 |
| C-026 | B/3  | Vehicle Security                             | C3 |
| C-027 | GR/6 | Shift Selector                               | D4 |
| C-028 | B/6  | Winter Mode Switch                           | D5 |
| C-030 | L/32 | CAN Converter                                | A2 |
| C-031 | B/16 | Audio                                        | D4 |
| C-032 | B/2  | Front Tweeter LH                             | A1 |
| C-033 | W/5  | Spiral Cable                                 | B3 |
| C-034 | W/1  | Horn Switch                                  | B3 |
| C-100 | B/16 | To E-100                                     | E1 |
| C-101 | B/16 | To E-101                                     | F1 |
| C-102 | B/16 | To B-101                                     | A3 |
| C-103 | B/40 | To B-103                                     | A3 |
| C-104 | W/15 | To N-100                                     | E3 |
| C-105 | B/8  | To J-100                                     | C3 |
| C-106 | B/16 | To P-100                                     | B1 |
| C-201 | -    | Ground                                       | A3 |
| C-202 | -    | Ground                                       | G3 |

# Front End Module Harness

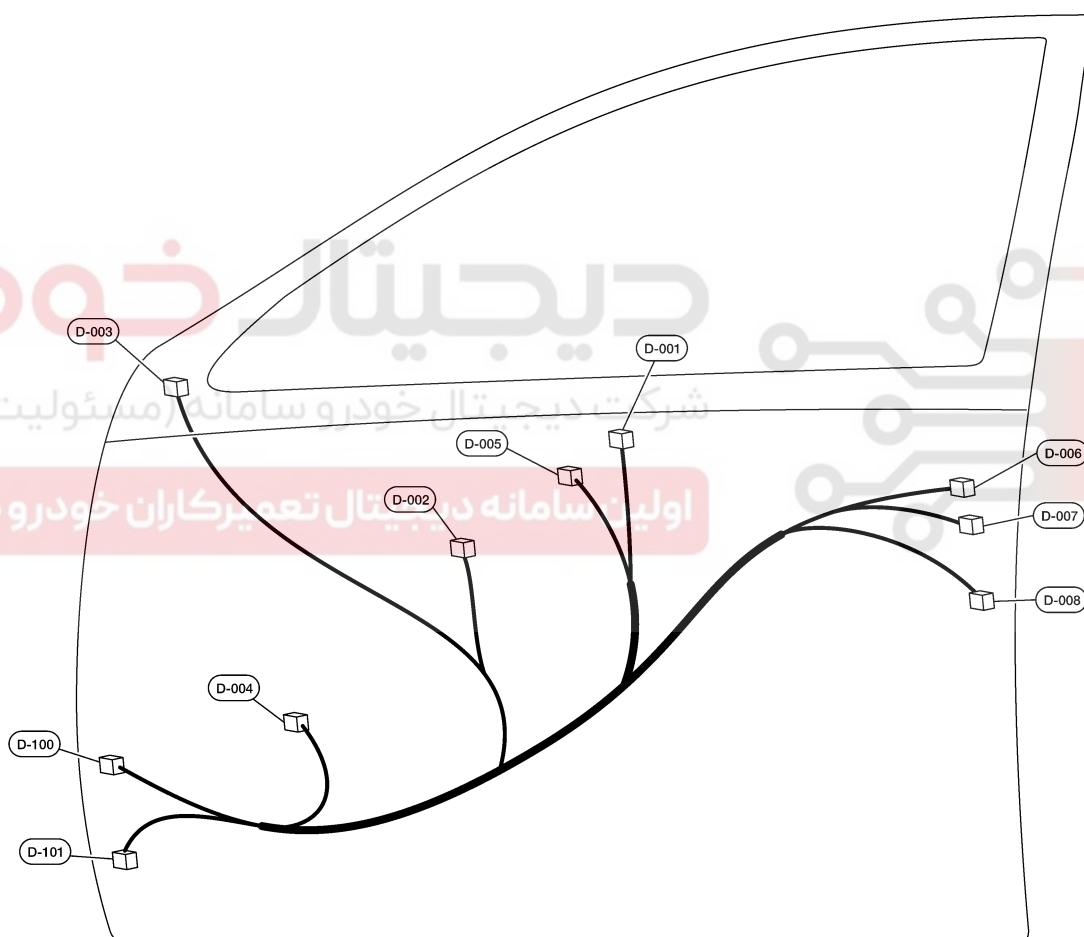


## VEHICLE HARNESS ROUTING MAPS

|       |      |                            |    |
|-------|------|----------------------------|----|
| A-001 | B/10 | Front Combination Lamp RH  | C1 |
| A-002 | B/10 | Front Combination Lamp LH  | C5 |
| A-003 | B/2  | Fog Lamp RH                | B1 |
| A-004 | B/2  | Fog Lamp LH                | B4 |
| A-005 | GR/2 | Horn 1                     | C2 |
| A-006 | GR/2 | Horn 2                     | C2 |
| A-007 | B/2  | Outside Temperature Sensor | D2 |
| A-008 | GR/2 | Front Washer Motor         | B1 |
| A-009 | W/3  | Engine Hood Switch         | D2 |
| A-010 | B/6  | Cooling Fan Control Module | B2 |
| A-011 | B/4  | Cooling Fan Control Module | B3 |
| A-012 | B/2  | Cooling Fan Motor LH       | D3 |
| A-013 | B/2  | Cooling Fan Motor RH       | D3 |
| A-017 | W/20 | Front Fuse And Relay Box   | D5 |
| A-018 | /1   | Power Fuse Box             | D4 |
| A-100 | B/14 | To B-100                   | C5 |
| A-201 | -    | Ground                     | C5 |
| A-202 | -    | Ground                     | D1 |
| A-203 | -    | Ground                     | C4 |

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## LH Front Door Harness



## VEHICLE HARNESS ROUTING MAPS

|       |      |                                               |
|-------|------|-----------------------------------------------|
| D-001 | Y/16 | Main Power Window And Door Lock/Unlock Switch |
| D-002 | W/2  | Front Power Window Motor LH                   |
| D-003 | W/16 | Door Mirror LH                                |
| D-004 | B/2  | Front Speaker LH                              |
| D-005 | B/10 | Door Mirror Remote Control Switch             |
| D-006 | B/2  | Front Door Lock Assembly LH                   |
| D-007 | GR/2 | Front Door Lock Assembly LH                   |
| D-008 | B/2  | Front Door Lock Assembly LH                   |
| D-100 | B/16 | To B-105                                      |
| D-101 | B/16 | To B-106                                      |

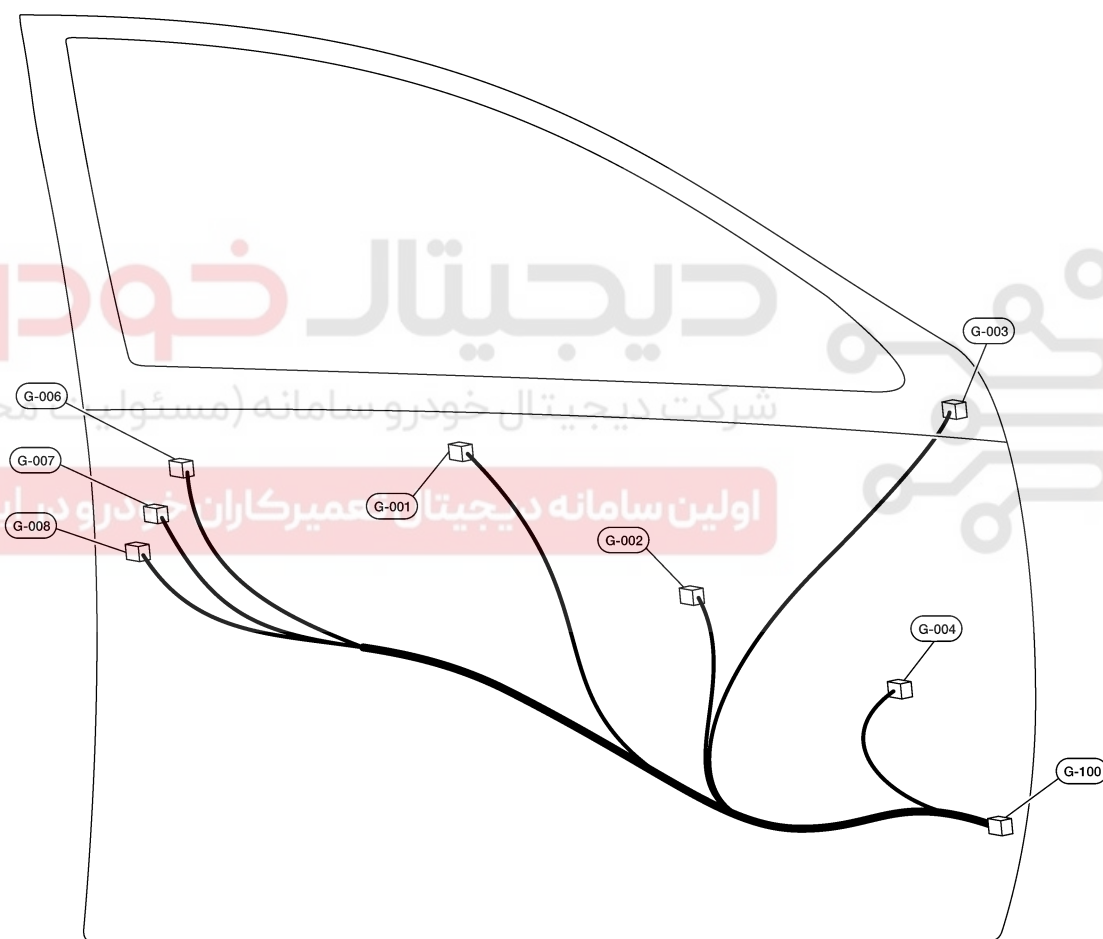
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## RH Front Door Harness



## VEHICLE HARNESS ROUTING MAPS

|       |      |                              |
|-------|------|------------------------------|
| G-001 | B/10 | Front Power Window Switch RH |
| G-002 | W/2  | Front Power Window Motor RH  |
| G-003 | W/16 | Door Mirror RH               |
| G-004 | B/2  | Front Speaker RH             |
| G-006 | B/2  | Front Door Lock Assembly RH  |
| G-007 | GR/2 | Front Door Lock Assembly RH  |
| G-008 | B/2  | Front Door Lock Assembly RH  |
| G-100 | B/16 | To B-107                     |

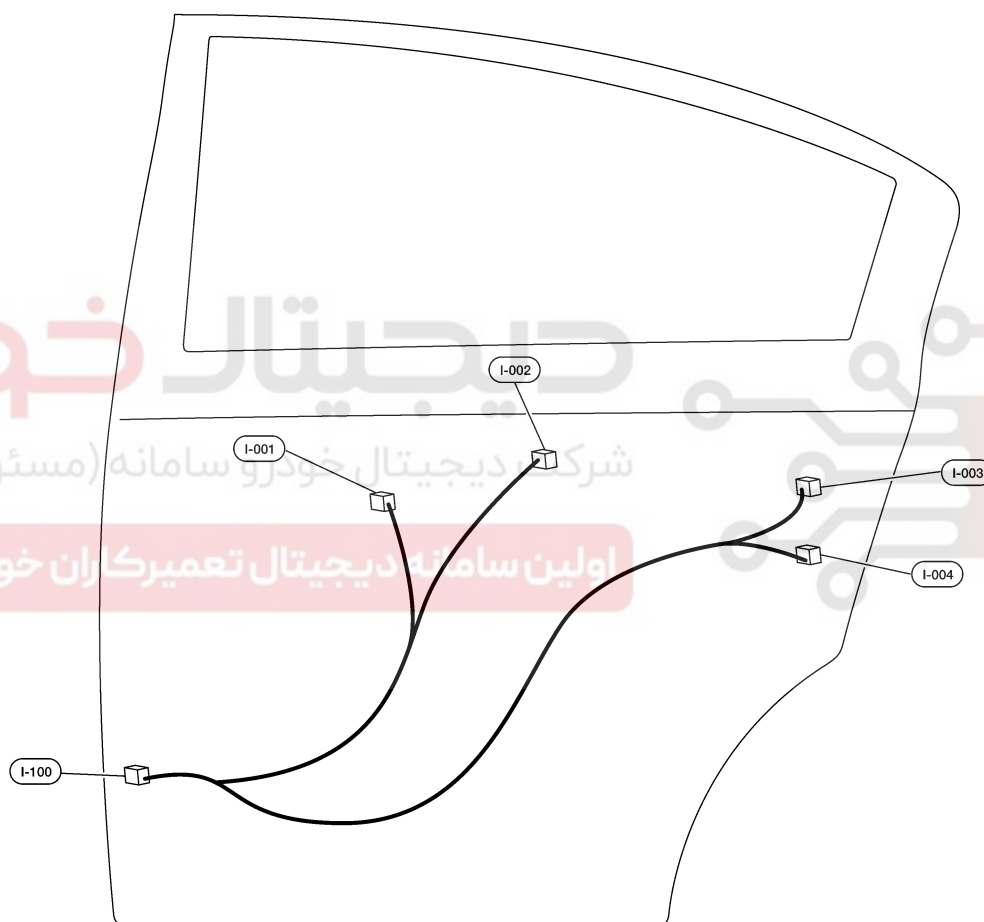
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## LH Rear Door Harness



## VEHICLE HARNESS ROUTING MAPS

|       |      |                             |
|-------|------|-----------------------------|
| I-001 | W/2  | Rear Power Window Motor LH  |
| I-002 | B/10 | Rear Power Window Switch LH |
| I-003 | B/2  | Rear Door Lock Assembly LH  |
| I-004 | B/2  | Rear Door Lock Assembly LH  |
| I-100 | Y/10 | To K-102                    |

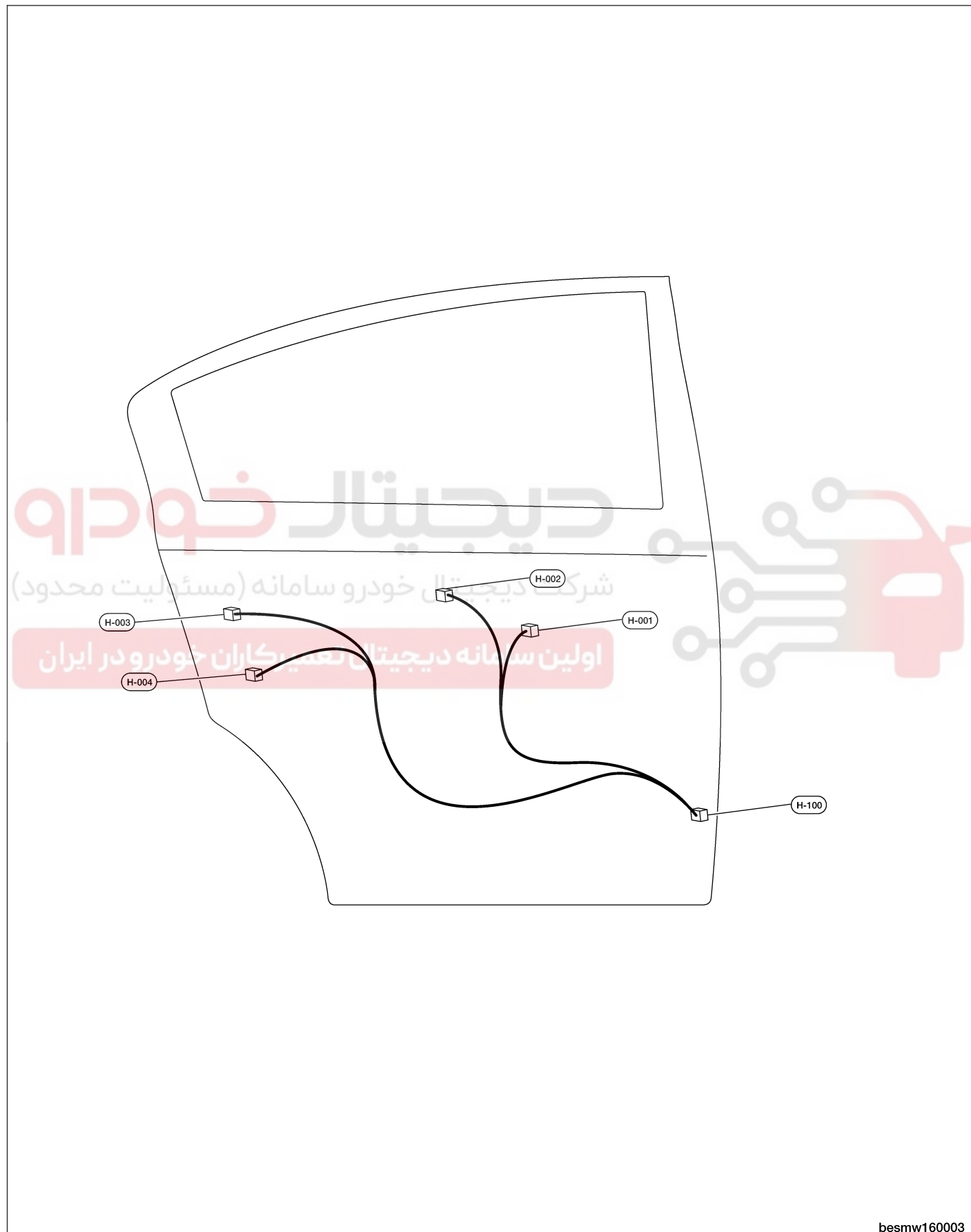
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## RH Rear Door Harness



besmw160003

## VEHICLE HARNESS ROUTING MAPS

|       |      |                             |
|-------|------|-----------------------------|
| H-001 | W/2  | Rear Power Window Motor RH  |
| H-002 | B/10 | Rear Power Window Switch RH |
| H-003 | B/2  | Rear Door Lock Assembly RH  |
| H-004 | B/2  | Rear Door Lock Assembly RH  |
| H-100 | Y/10 | To K-103                    |

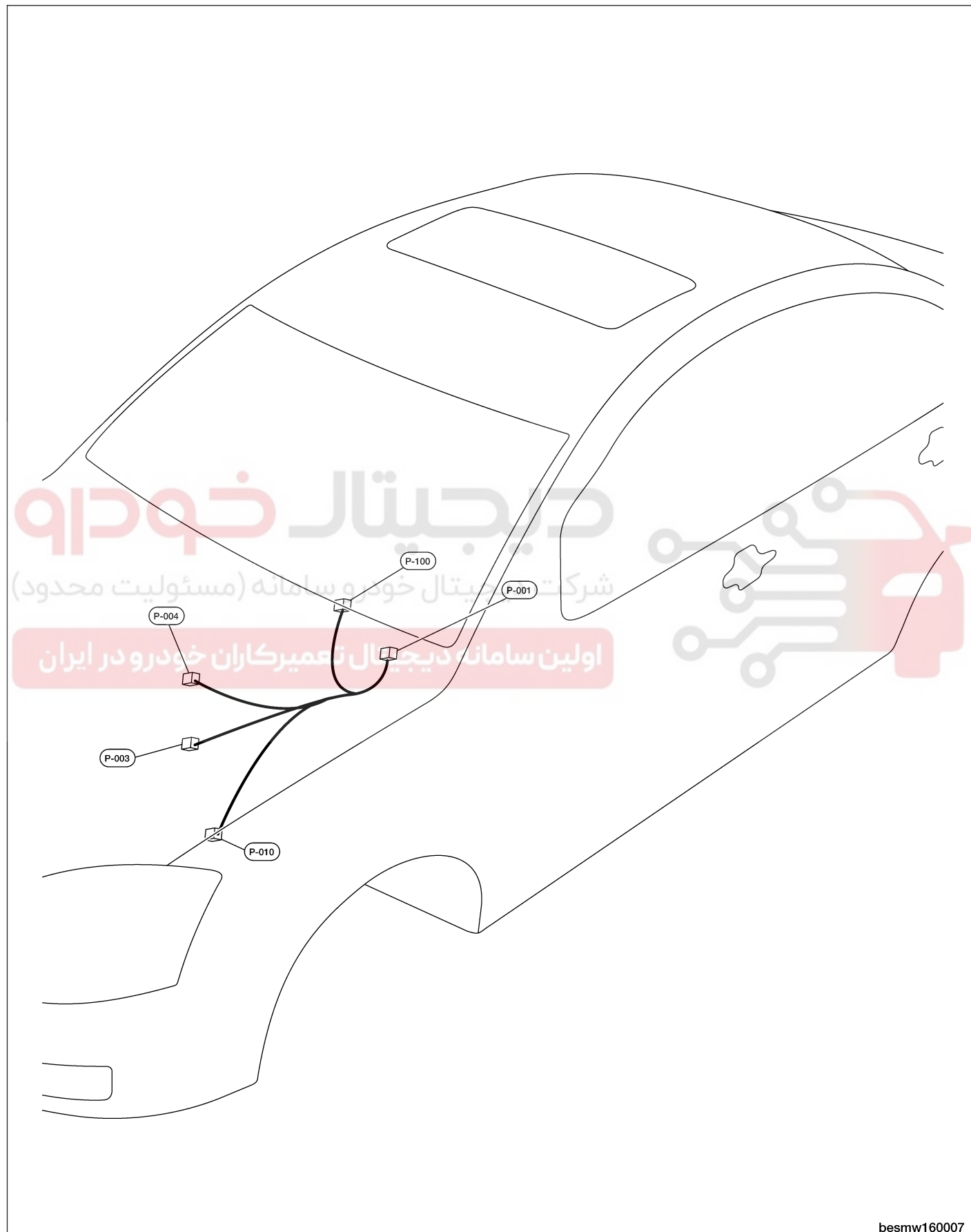
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## Transmission Harness



## VEHICLE HARNESS ROUTING MAPS

|       |       |                                        |
|-------|-------|----------------------------------------|
| P-001 | GR/28 | TCM (Transmission Control Module)      |
| P-003 | GR/33 | A/T Assembly                           |
| P-004 | B/2   | Oil Cooler Flow Control Solenoid Valve |
| P-010 | W/13  | Front Fuse And Relay Box               |
| P-100 | B/16  | To C-106                               |

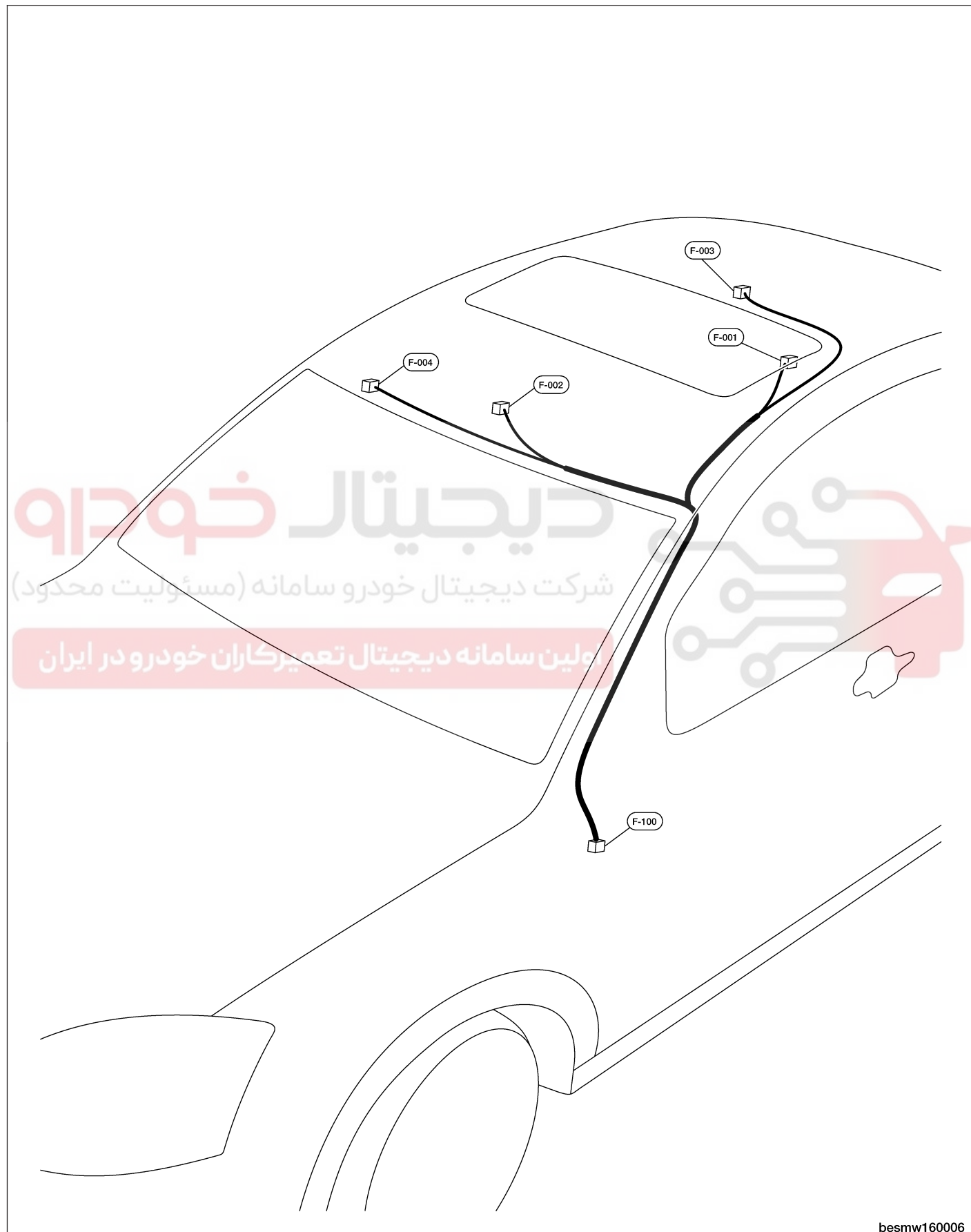
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## Roof Harness



besmw160006

## VEHICLE HARNESS ROUTING MAPS

|       |     |                              |
|-------|-----|------------------------------|
| F-001 | B/6 | Sunroof Control Unit         |
| F-002 | W/6 | Front Room/Map Lamp Assembly |
| F-003 | W/6 | Rear Room/Map Lamp Assembly  |
| F-004 | W/2 | Vanity Mirror Lamp RH        |
| F-100 | B/8 | To B-104                     |

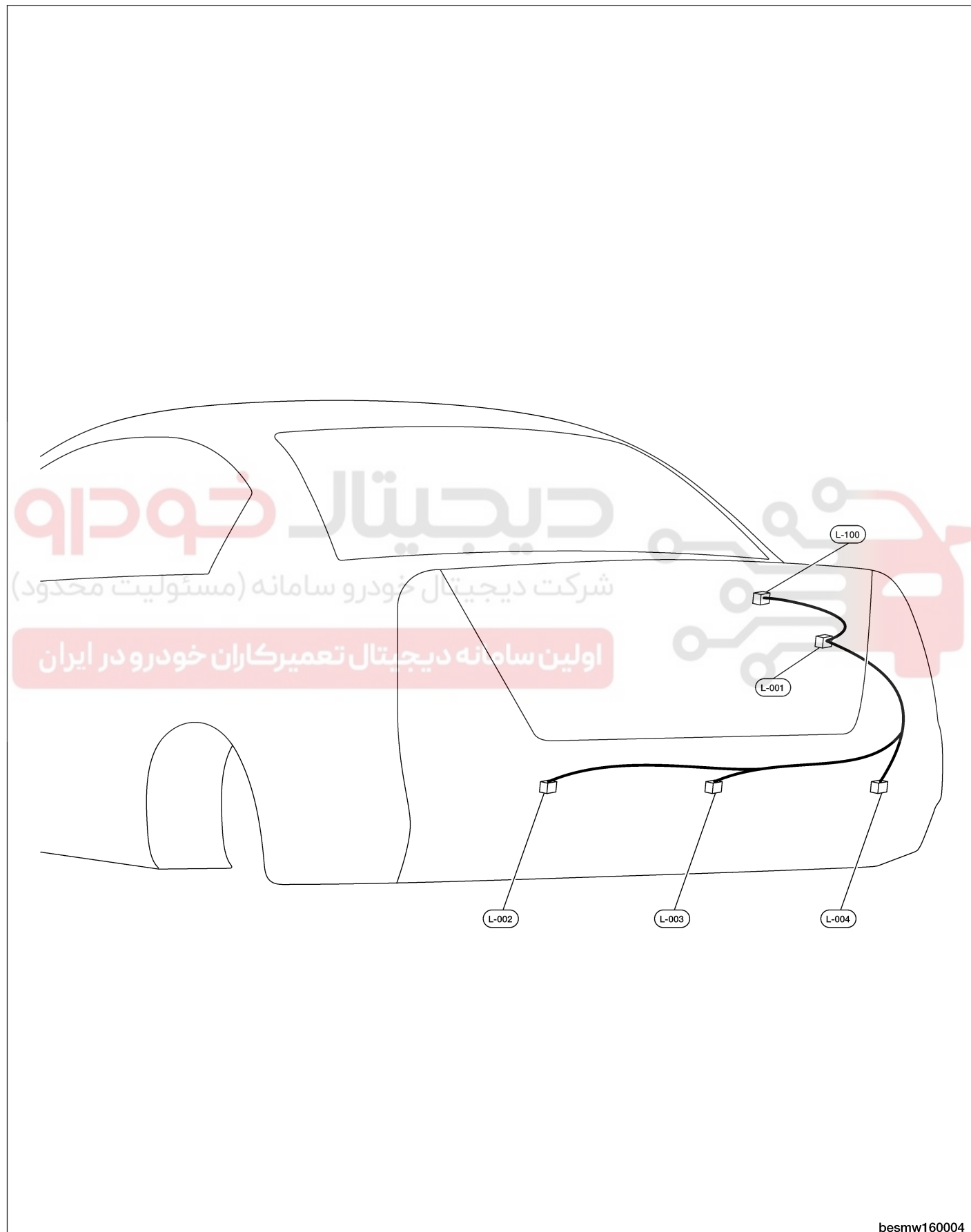
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## Sonar Harness



## VEHICLE HARNESS ROUTING MAPS

|       |     |                |
|-------|-----|----------------|
| L-001 | B/6 | Sonar Module   |
| L-002 | B/2 | Rear Sonar LH  |
| L-003 | B/2 | Rear Sonar MID |
| L-004 | B/2 | Rear Sonar RH  |
| L-100 | B/6 | To K-104       |

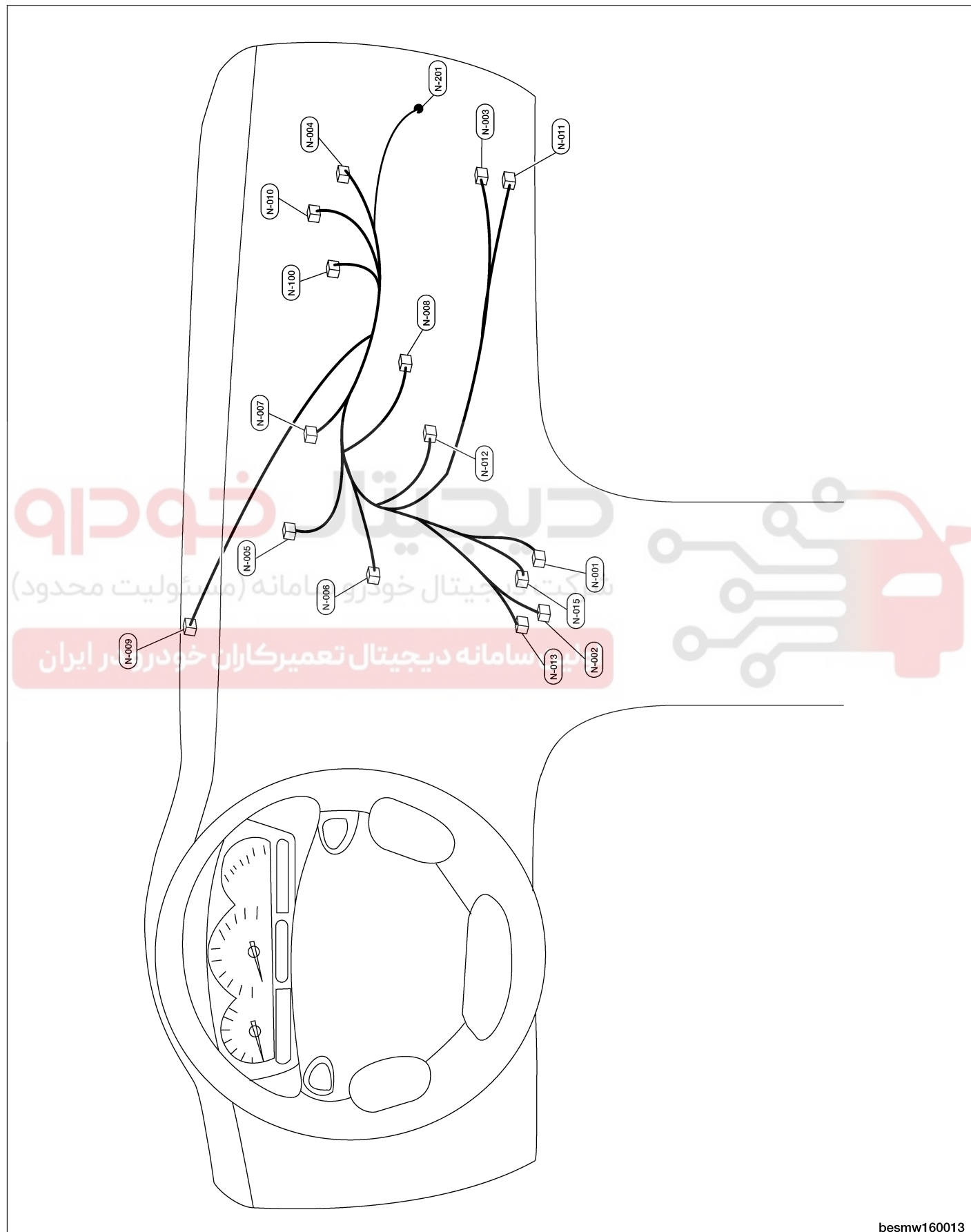
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## Air Conditioner Harness



## VEHICLE HARNESS ROUTING MAPS

|       |      |                              |
|-------|------|------------------------------|
| N-001 | B/20 | Air Conditioner Control Unit |
| N-002 | B/16 | Air Conditioner Control Unit |
| N-003 | W/7  | Blower Motor                 |
| N-004 | W/7  | Intake Door Motor            |
| N-005 | W/7  | Air Mix Door Motor           |
| N-006 | W/7  | Mode Door Motor              |
| N-007 | G/2  | Coolant Temperature Sensor   |
| N-008 | B/2  | Inside Temperature Sensor    |
| N-009 | W/4  | Sun Sensor                   |
| N-010 | B/6  | Coolant Valve                |
| N-011 | W/4  | High-Speed Blower Relay      |
| N-012 | W/4  | Speed Resistance             |
| N-013 | W/6  | Blower Switch                |
| N-015 | B/10 | Air Control Module           |
| N-100 | W/15 | To C-104                     |
| N-201 | -    | Ground                       |

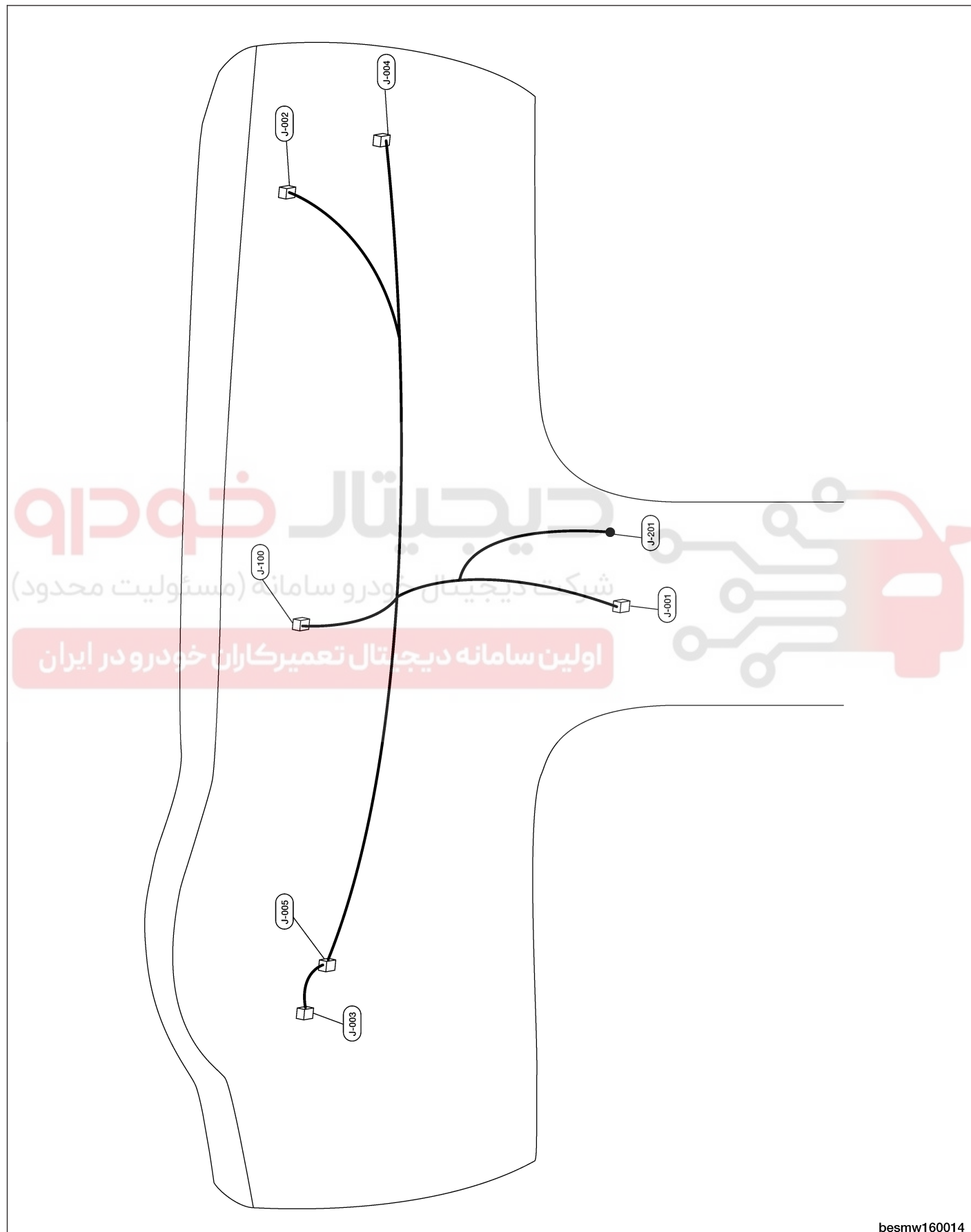
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## Airbag Harness



besmw160014

## VEHICLE HARNESS ROUTING MAPS

|       |      |                                   |
|-------|------|-----------------------------------|
| J-001 | O/50 | Restraints Control Module         |
| J-002 | Y/2  | Front Passenger Airbag Module     |
| J-003 | Y/2  | Driver Airbag Module              |
| J-004 | B/2  | Front Passenger Airbag Off Switch |
| J-005 | O/2  | Spiral Cable                      |
| J-100 | B/8  | To C-105                          |
| J-201 | -    | Ground                            |

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