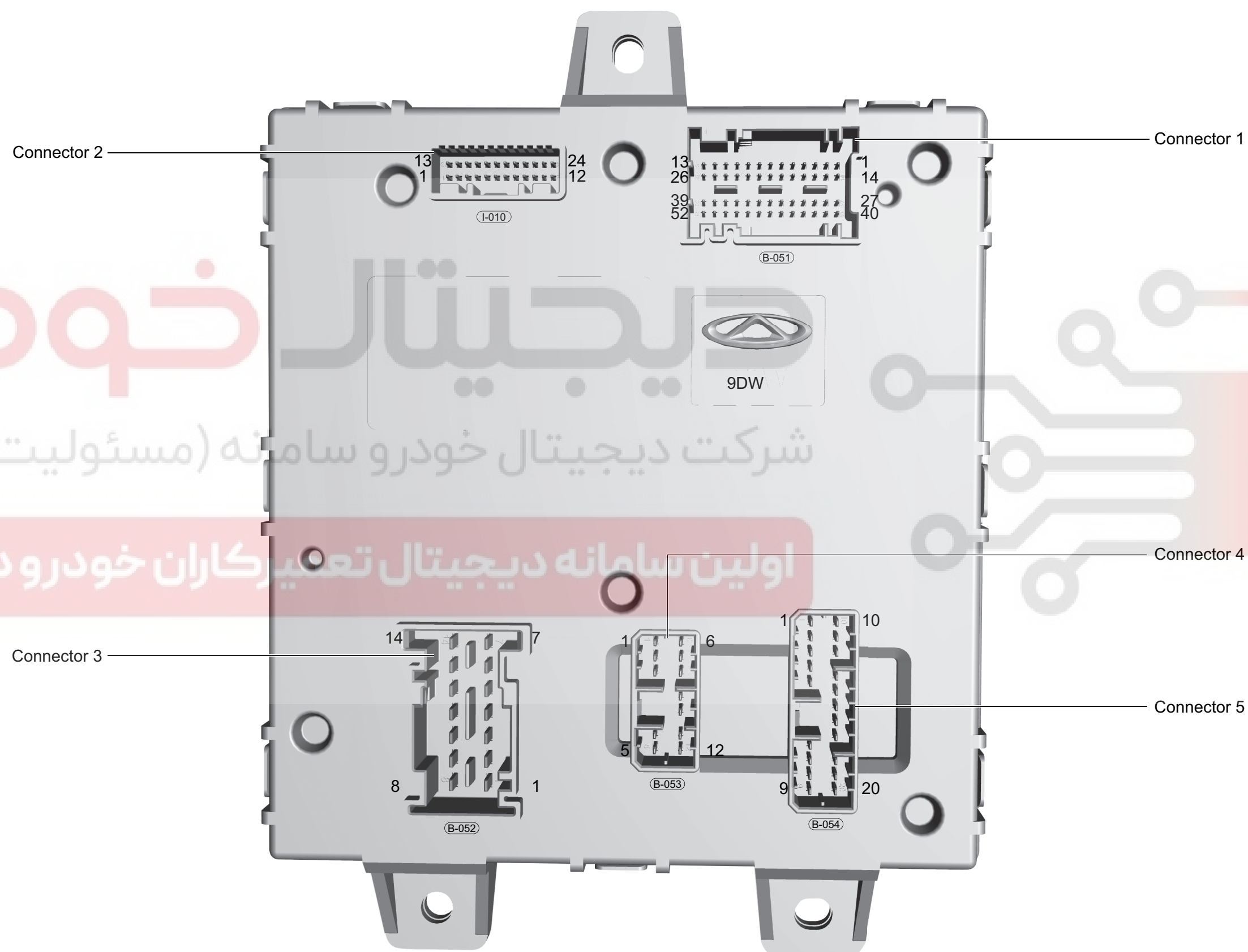
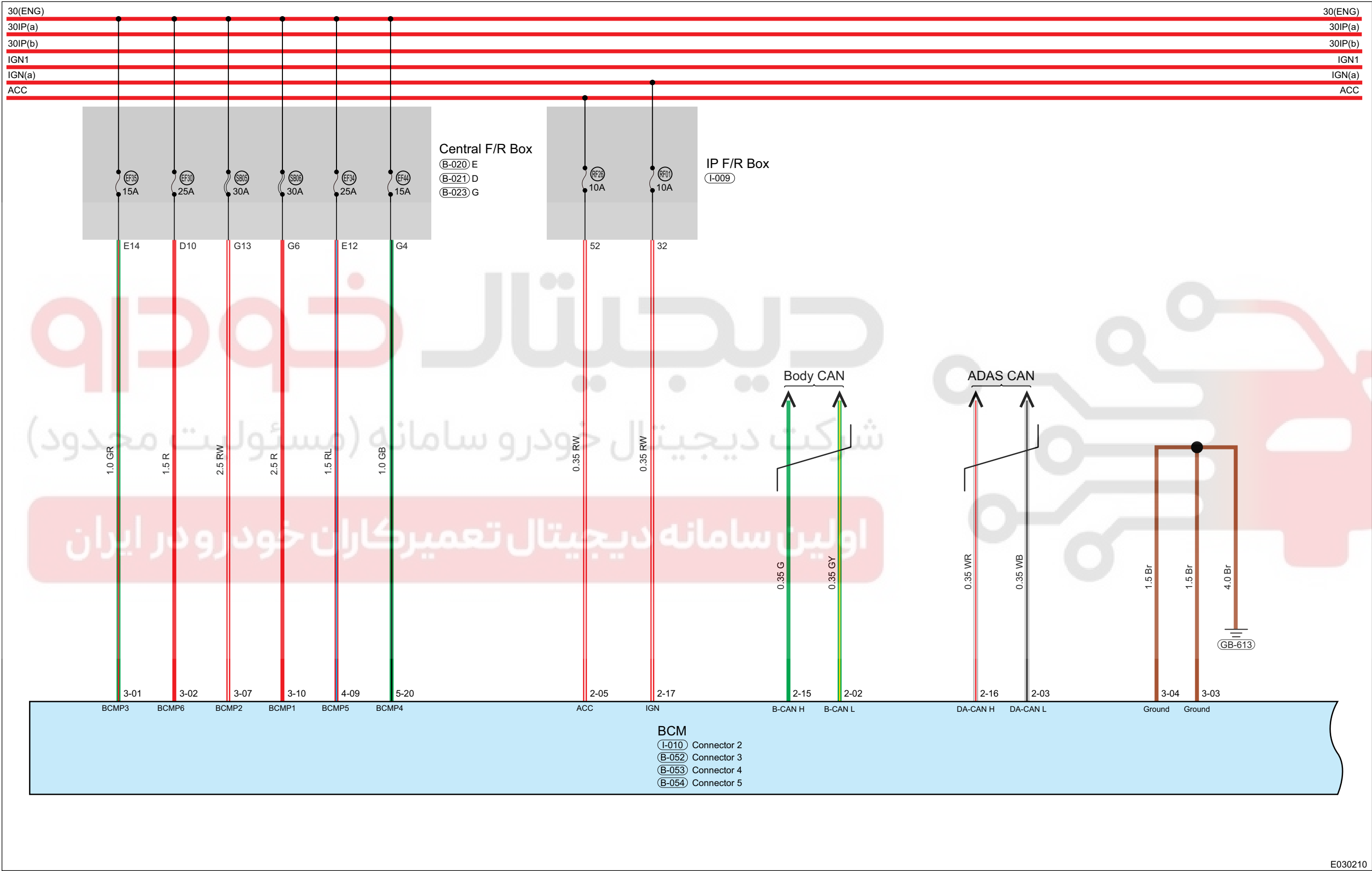


BCM System**1. BCM Connector Terminal Description**

2. BCM Power Source, Network Communication



30(ENG) 30(ENG)
30IP(a) 30IP(a)
30IP(b) 30IP(b)
IGN1 IGN1
IGN(a) IGN(a)
ACC ACC

Legend:

- 0.5 L: Blue wire, 0.5 mm²
- 0.5 Br: Brown wire, 0.5 mm²
- 1.0 Br: Brown wire, 1.0 mm²
- 2.5 Br: Brown wire, 2.5 mm²
- 4.0 Br: Brown wire, 4.0 mm²
- 6.0 Br: Brown wire, 6.0 mm²
- 2.0 Br: Brown wire, 2.0 mm²
- 0.35 Br: Brown wire, 0.35 mm²
- 0.35 L: Blue wire, 0.35 mm²
- 0.35 RL: Blue wire, 0.35 mm²
- 0.75 Br: Brown wire, 0.75 mm²

Components and Connections:

- Daytime Running Light LH (B-047): 1.0 Br (1), 0.5 L (4)
- Daytime Running Light RH (B-007): 1.0 Br (1), 0.5 L (4)
- Glass Regulator SW FL (F-009): 0.35 Br (7), 0.5 L (6)
- Interior Front Dome Light (SOS)-GLONASS (B-115): 0.5 Br (3), 0.5 L (6)
- Front Dome Light (B-116): 0.5 Br (1), 0.5 L (3)
- Rear Dome Light (B-095): 0.5 Br (1), 0.5 L (3)
- Glass Regulator SW RL (L-004): 0.35 Br (3), 0.35 L (4)
- Glass Regulator SW FR (H-008): 0.35 Br (3), 0.35 L (4)
- Glass Regulator SW RR (R-004): 0.35 Br (3), 0.35 L (4)

BCM Connections:

- Front Position Light + Backlight: 5-09
- Analog Ground: 1-45

BCM Connectors:

- Connector 1 (B-051)
- Connector 5 (B-054)

30(ENG)	30(ENG)
30IP(a)	30IP(a)
30IP(b)	30IP(b)
IGN1	IGN1
IGN(a)	IGN(a)
ACC	ACC

The diagram illustrates the wiring for the 30(ENG) system, showing connections for various components to a common ground line. The components and their connections are as follows:

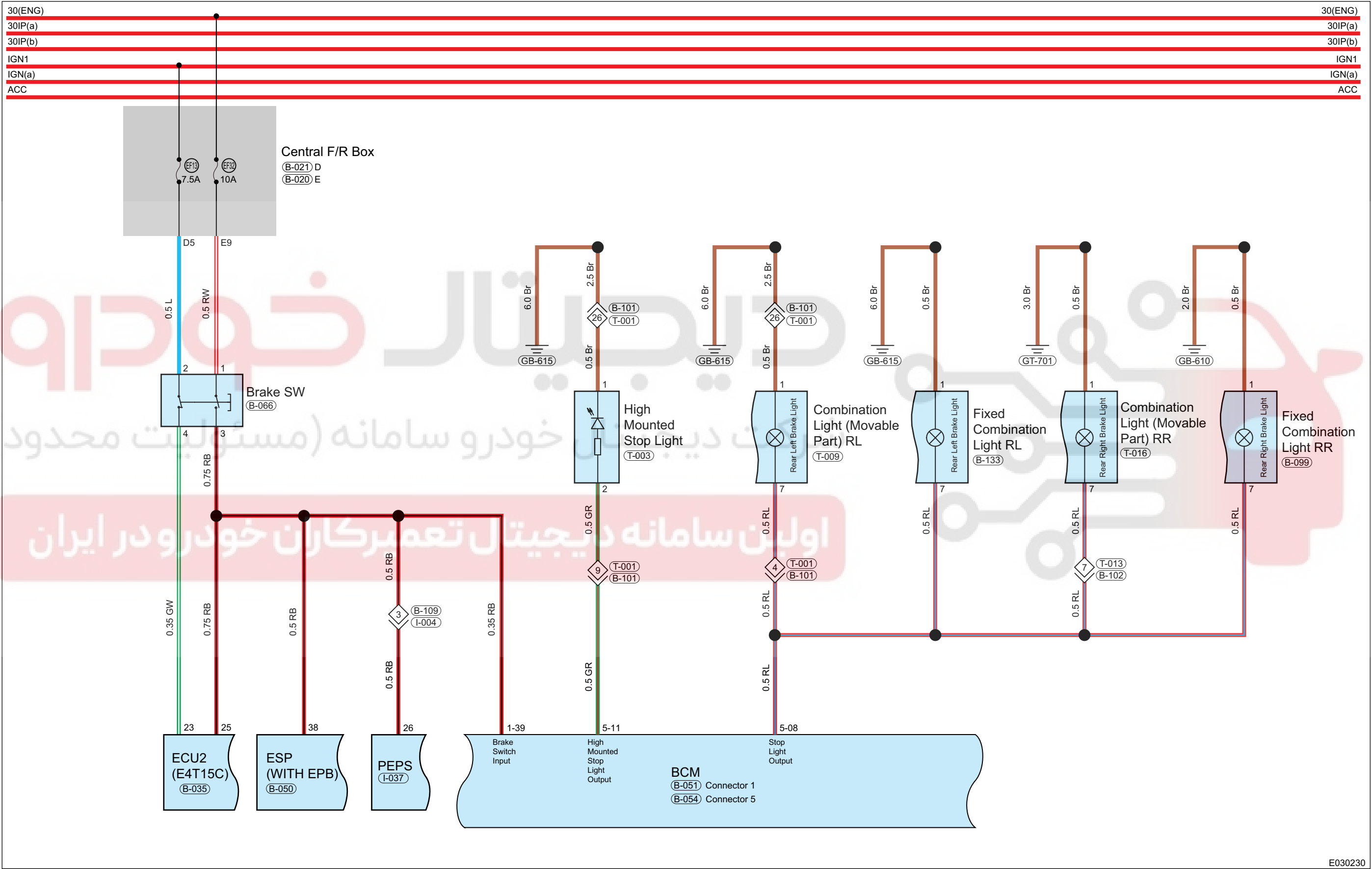
- Audio B (I-050):** Connected to the common ground line via a 0.35 L wire. The component is labeled B12 and B16.
- Steering Wheel Buttons (I-013):** Connected to the common ground line via a 0.35 L wire. The component is labeled 13 and 12.
- Drive Assist SW (I-008):** Connected to the common ground line via a 0.35 L wire. The component is labeled 6 and 4.
- Shift Mechanism (Electronic Shift) (I-030):** Connected to the common ground line via a 0.5 L wire. The component is labeled 3 and 12.
- Instrument Cluster (I-021):** Connected to the common ground line via a 0.35 L wire. The component is labeled 3 and 12.
- 2nd Row Seat Heating SW (I-061):** Connected to the common ground line via a 0.35 L wire. The component is labeled 10 and 6.
- EPB SW (Electronic Shift) (I-064):** Connected to the common ground line via a 0.35 L wire. The component is labeled 6 and 11.

The diagram also shows various wire gauges and lengths for the connections:

- 2.5 Br (Brown) wires for the main power lines to each component.
- 0.75 Br (Brown) wire for the Audio B connection.
- 0.35 Br (Brown) wire for the Steering Wheel Buttons connection.
- 0.35 Br (Brown) wire for the Drive Assist SW connection.
- 0.5 Br (Brown) wire for the Shift Mechanism connection.
- 0.5 Br (Brown) wire for the Instrument Cluster connection.
- 0.5 Br (Brown) wire for the 2nd Row Seat Heating SW connection.
- 0.35 Br (Brown) wire for the EPB SW connection.

The common ground line is labeled 0.35 L (Light Blue) and is connected to the ACC (Accessories) terminal.

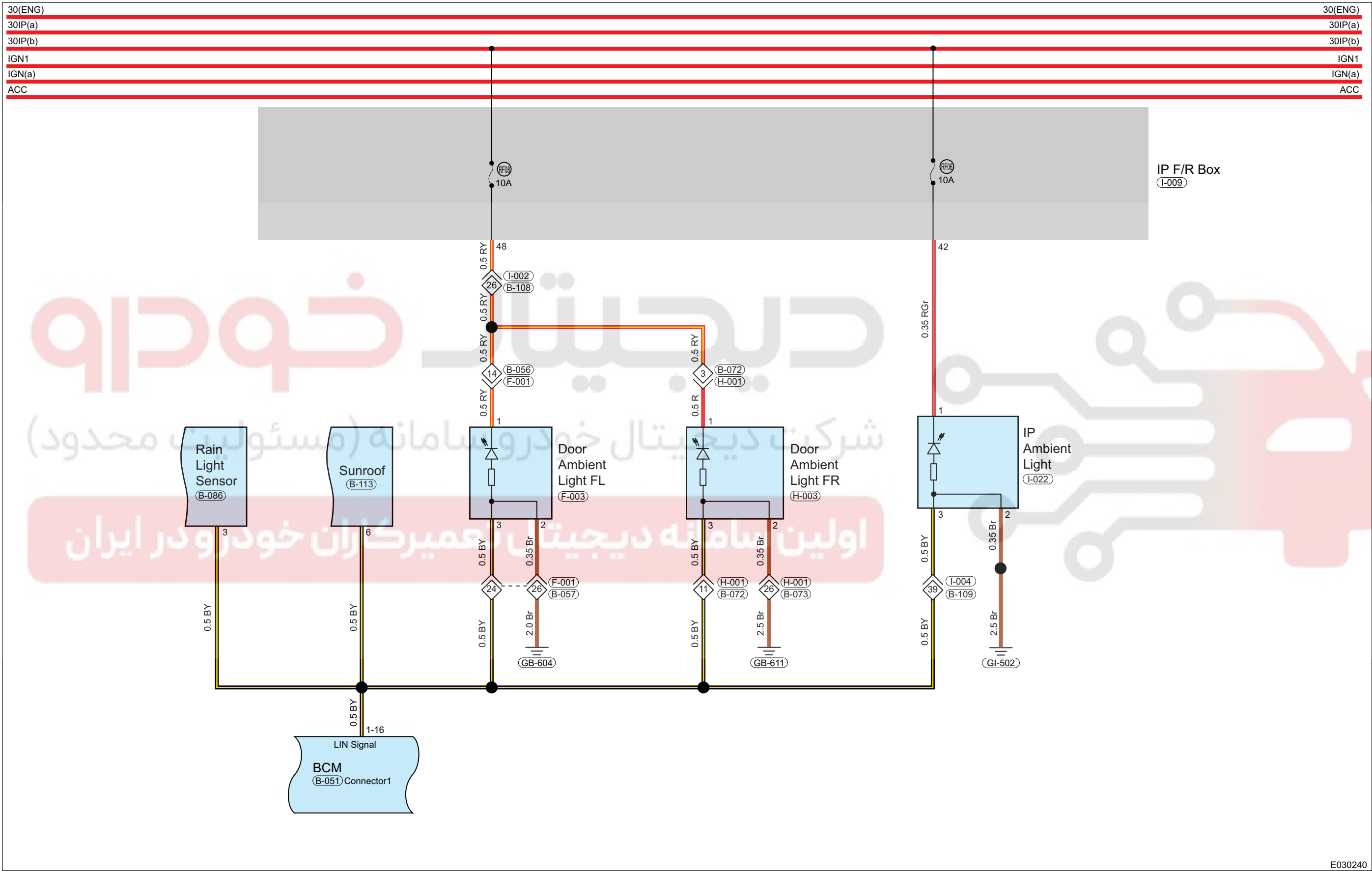
5. Brake SW, Brake Light



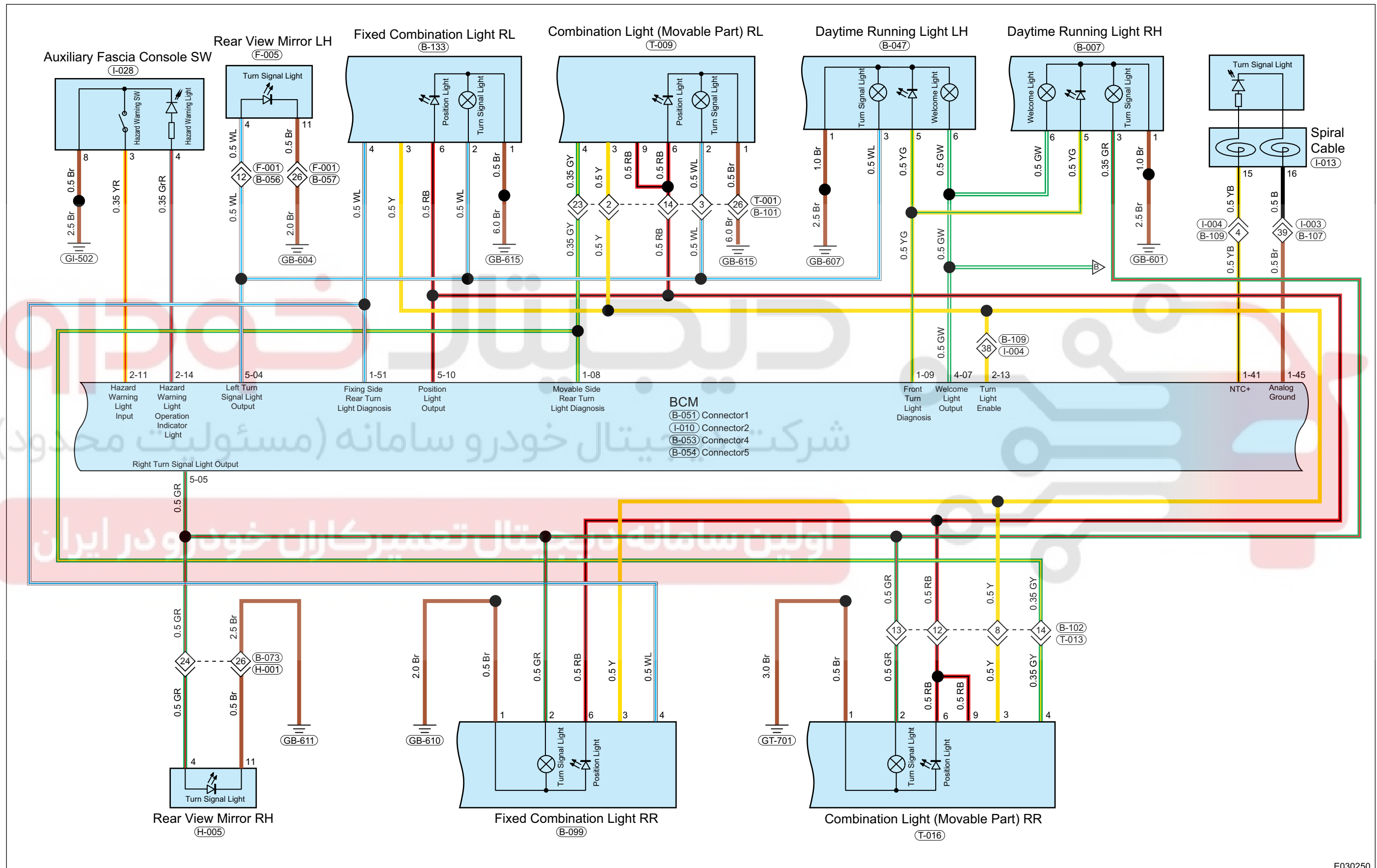
E030230

Vehicle Schematic Diagram

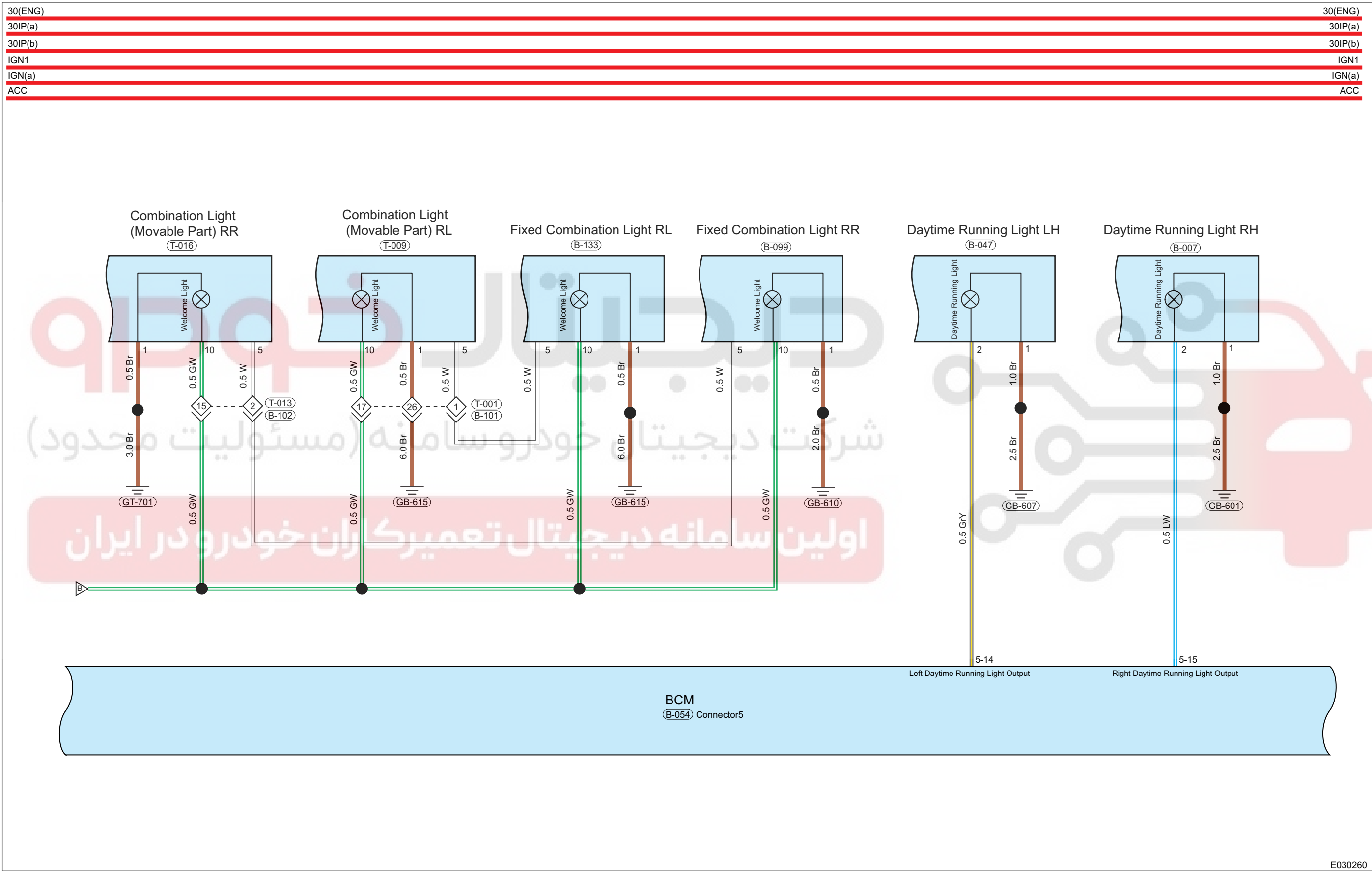
6. Ambient Light



7. Rear Position Light, Turn Light, Hazard Warning Light, Front Welcome Light



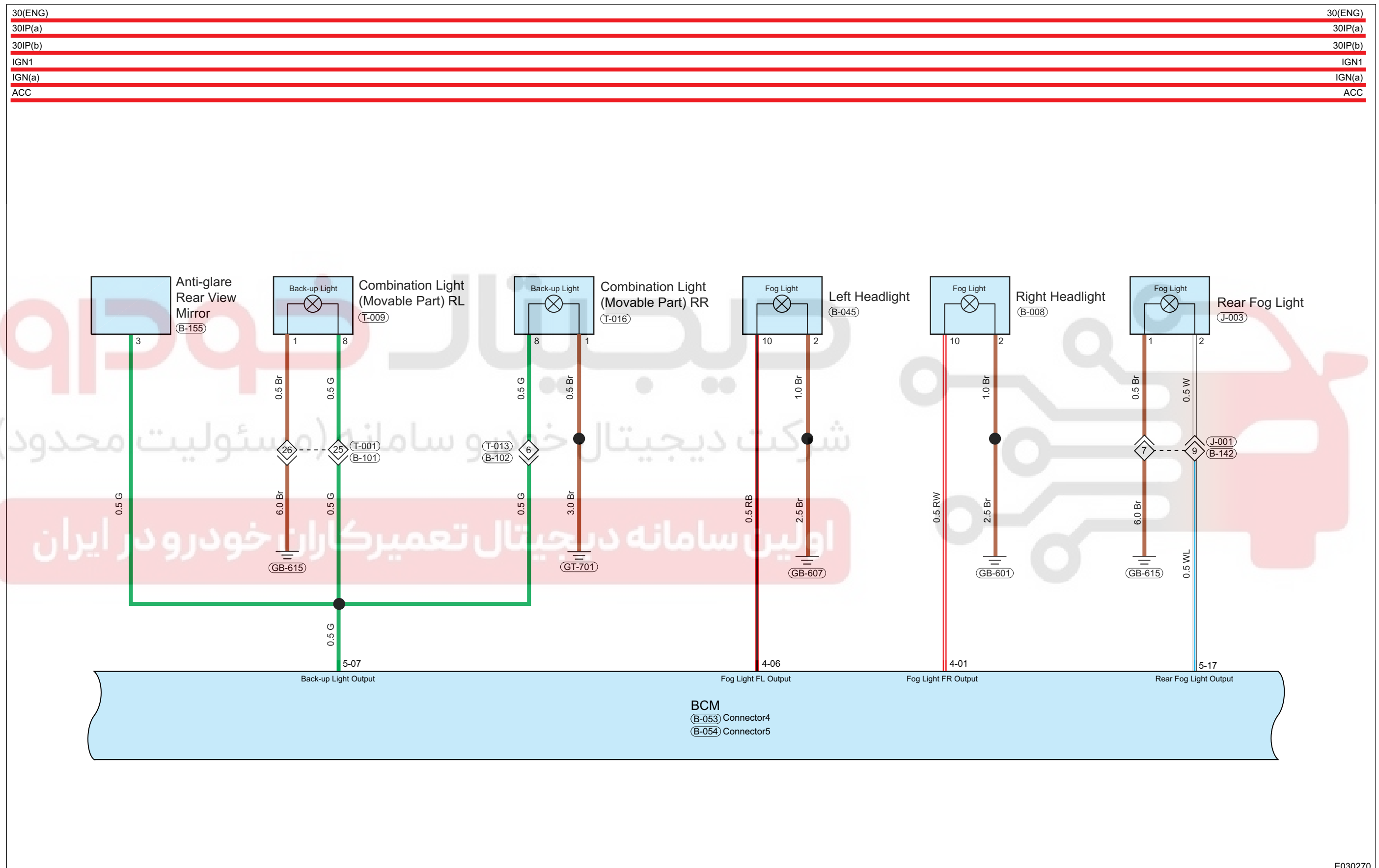
8. Rear Welcome Light, Daytime Running Light



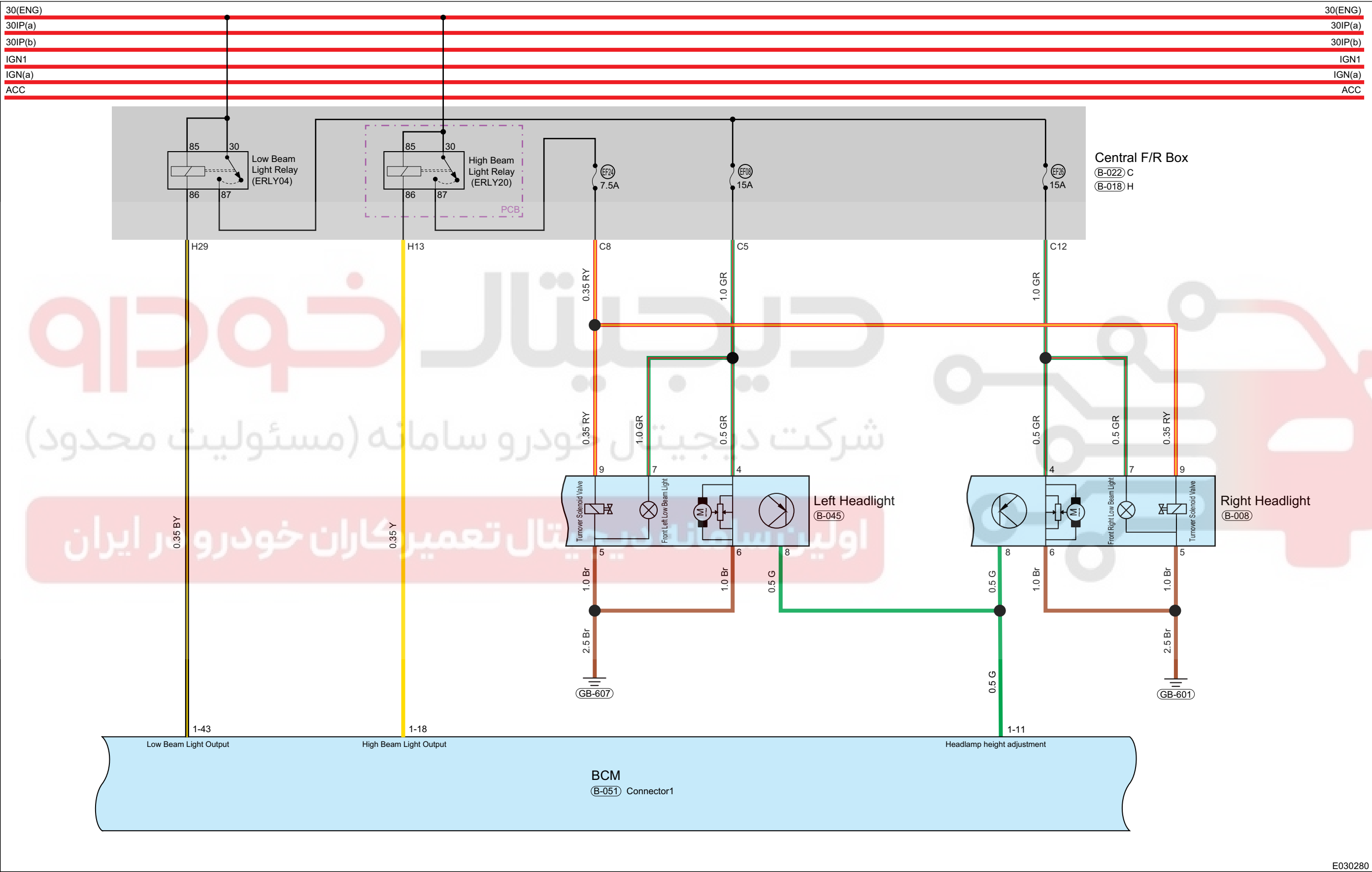
WWW.DIGITALKHODRO.COM

021 62 99 92 92

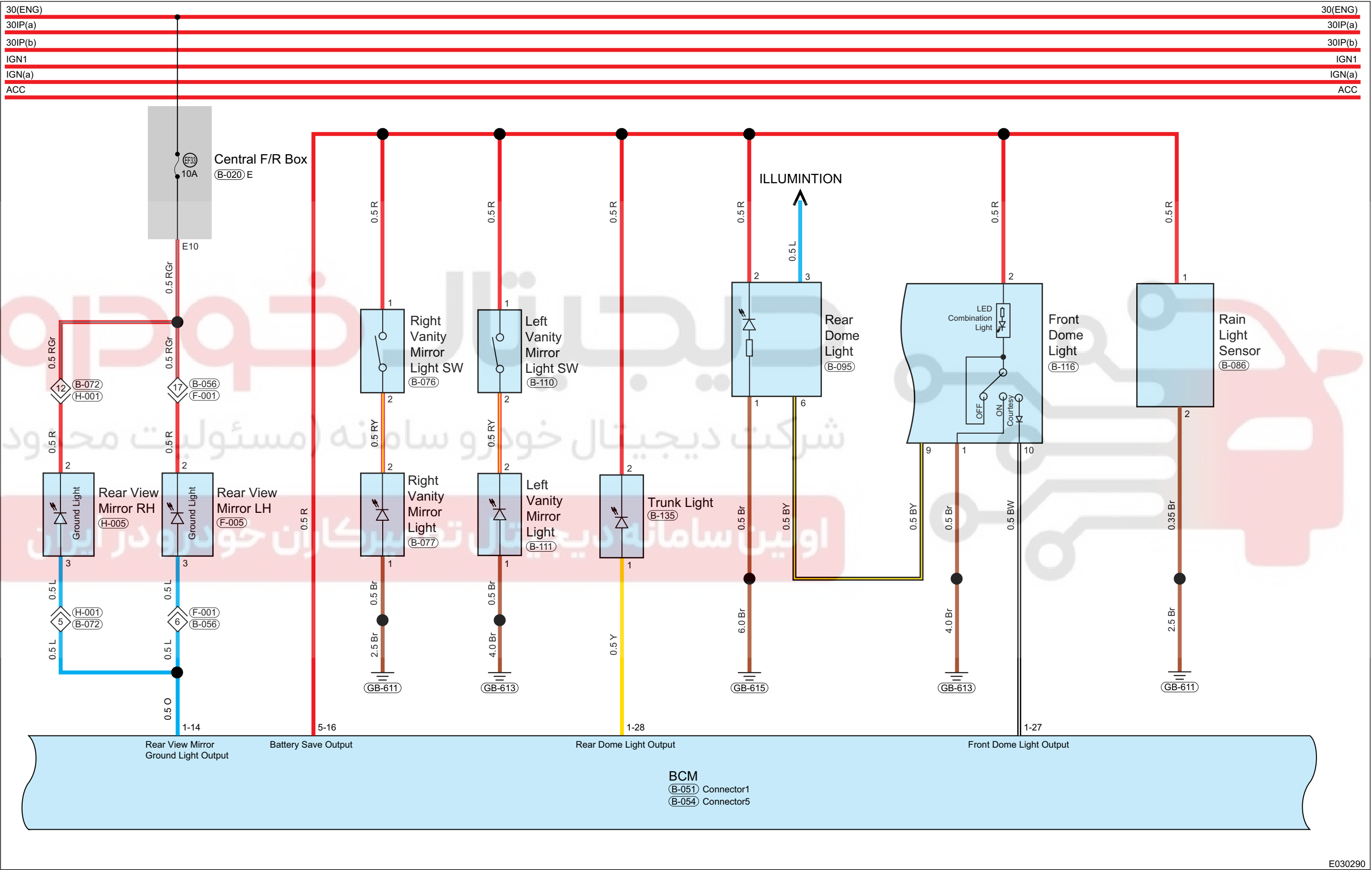
9. Back-up Light, Fog Light



10. High/Low Beam Light, Headlight Leveling Motor



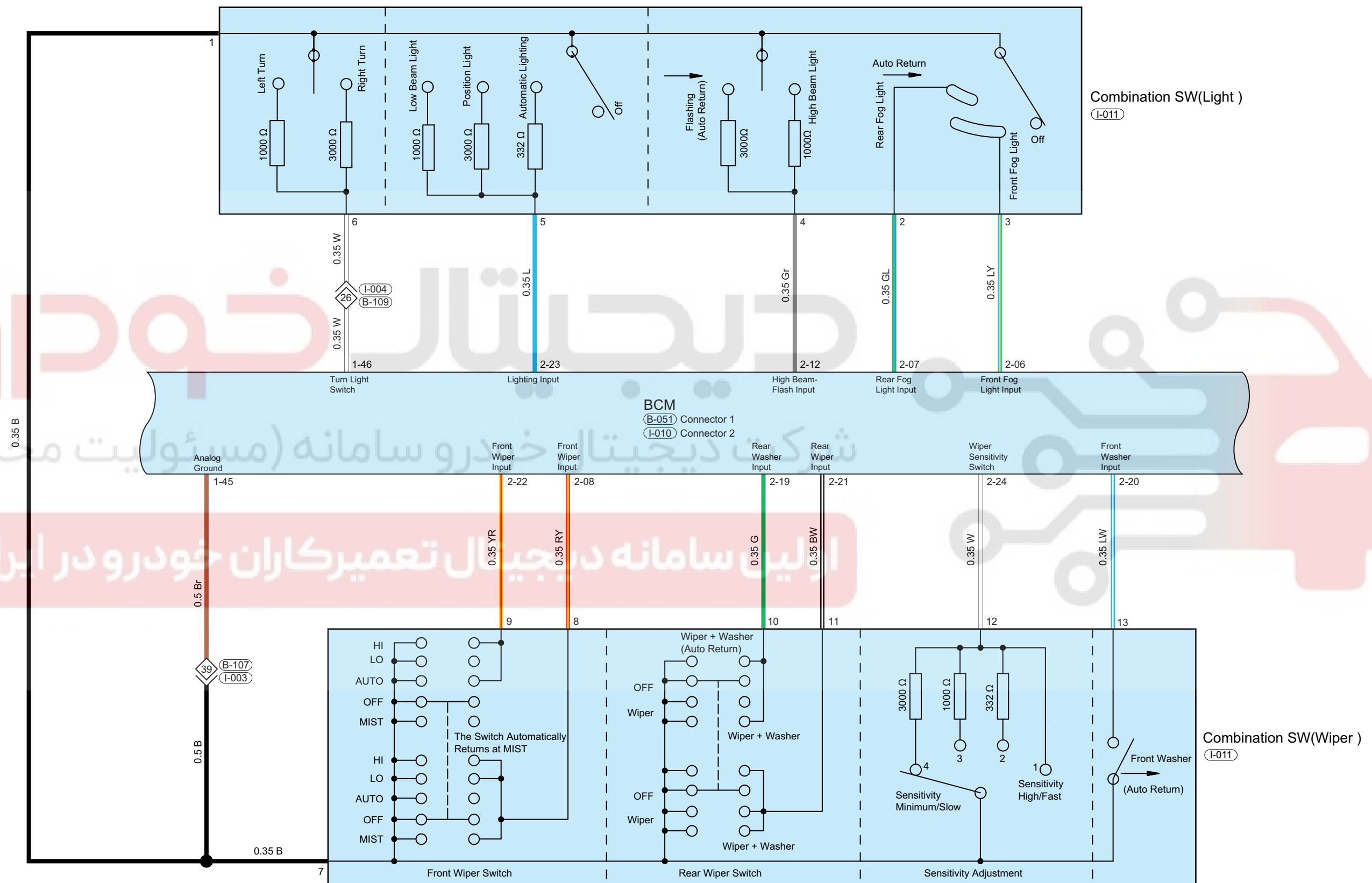
11. Ground Light, Vanity Mirror Light, Luggage Compartment Light, Dome Light, Rain Light Sensor



E030290

Vehicle Schematic Diagram

12. Light Switch, Wiper Switch



E030300

Legend:

- 30(ENG) 30IP(a) 30IP(b) IGN1 IGN(a) ACC
- 30(ENG) 30IP(a) 30IP(b) IGN1 IGN(a) ACC

Central F/R Box

- (B-018) H
- (B-019) J

Front Wiper Motor (B-030)

Front Washer Motor (B-006)

Rear Wiper Motor (T-011)

BCM

- (B-051) Connector 1
- (B-053) Connector 4

Wiring Details:

- Front Wiper Motor:** Connected to High Speed Wiper (1-30) and Low Speed Wiper (1-42). The motor is controlled by the Central F/R Box via the Wiper High Speed Relay (ERLY22) and Wiper Low Speed Relay (ERLY21).
- Front Washer Motor:** Connected to Front Washer Output (4-05) and Rear Washer Output (4-12).
- Rear Wiper Motor:** Connected to Rear Wiper Output (4-10) and Rear Wiper Return (1-26).

Wire Gauges and Colors:

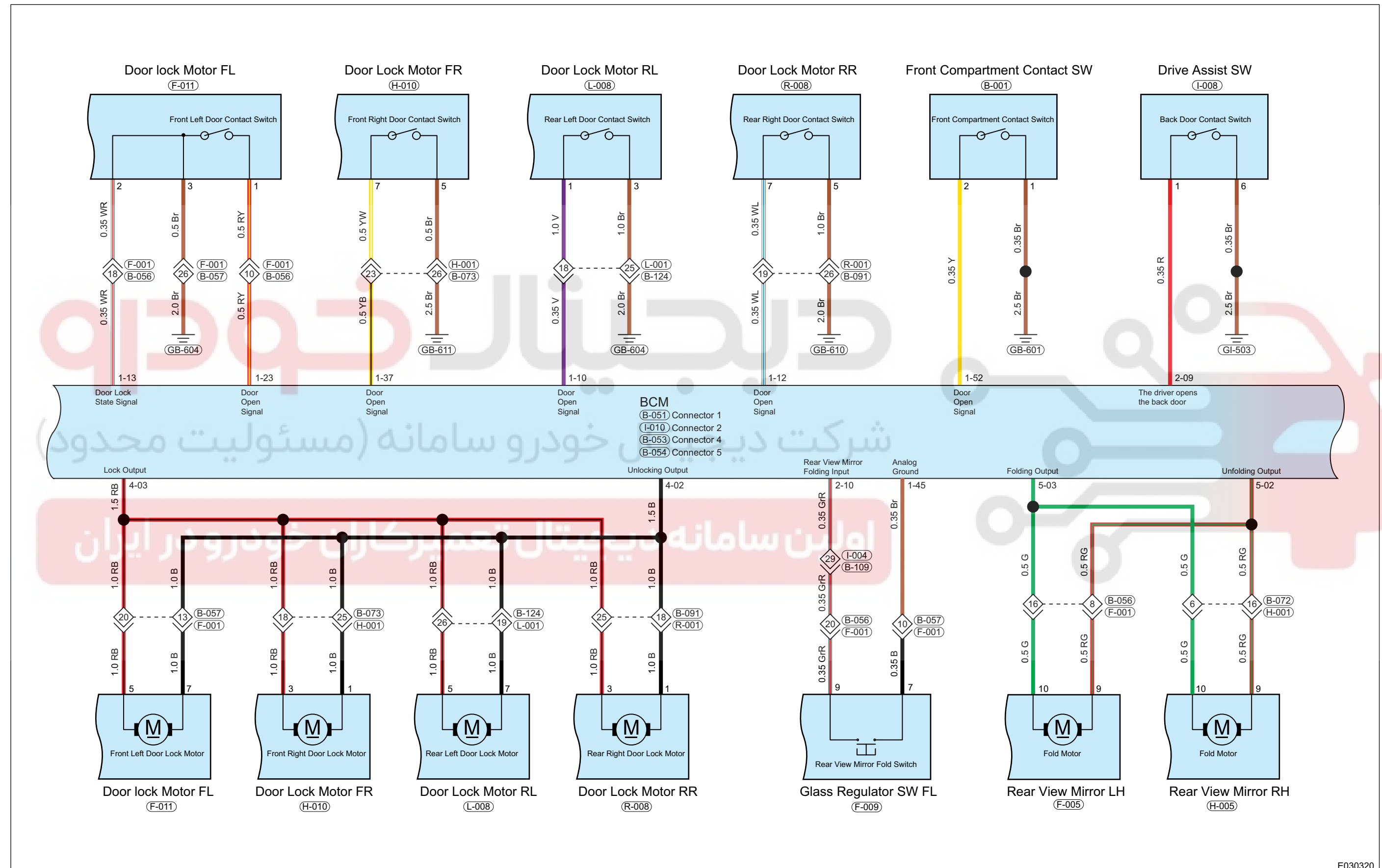
- 0.5 GW (Green Wire)
- 1.5 L (Blue Wire)
- 1.5 RW (Red Wire)
- 0.5 GB (Green Wire)
- 1.5 Br (Brown Wire)
- 0.5 G (Green Wire)
- 4.0 Br (Brown Wire)
- 0.75 G (Green Wire)
- 0.75 B (Black Wire)
- 0.75 RW (Red Wire)
- 0.35 WR (Black Wire)
- 0.35 WR (Black Wire)
- 6.0 Br (Brown Wire)

Connectors:

- J5, J1, J6, H39, H20
- 26, 12, 10 (T-001 B-101)

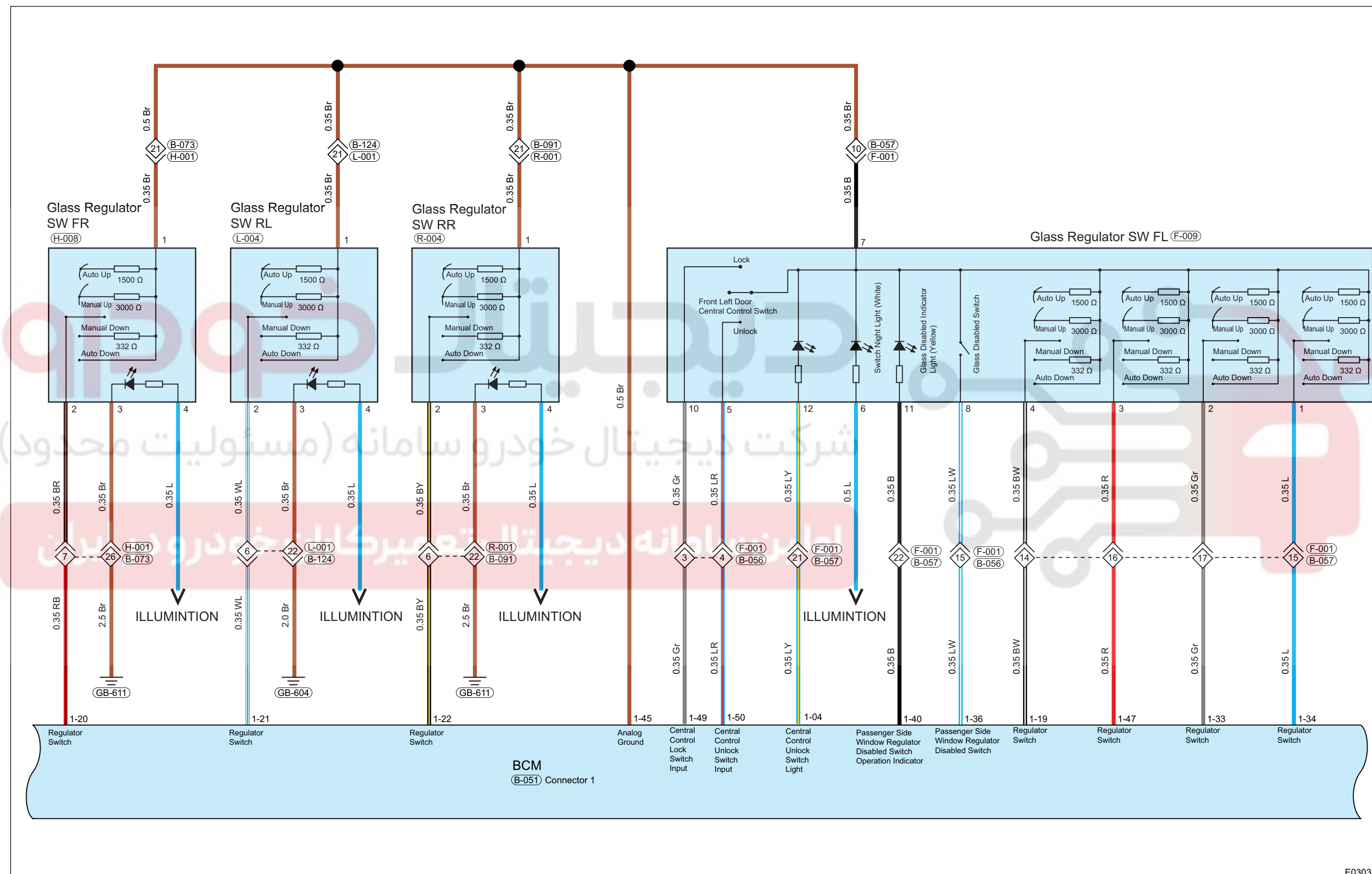
Vehicle Schematic Diagram

14. Door Lock, Rear View Mirror Fold Switch, Fold Motor



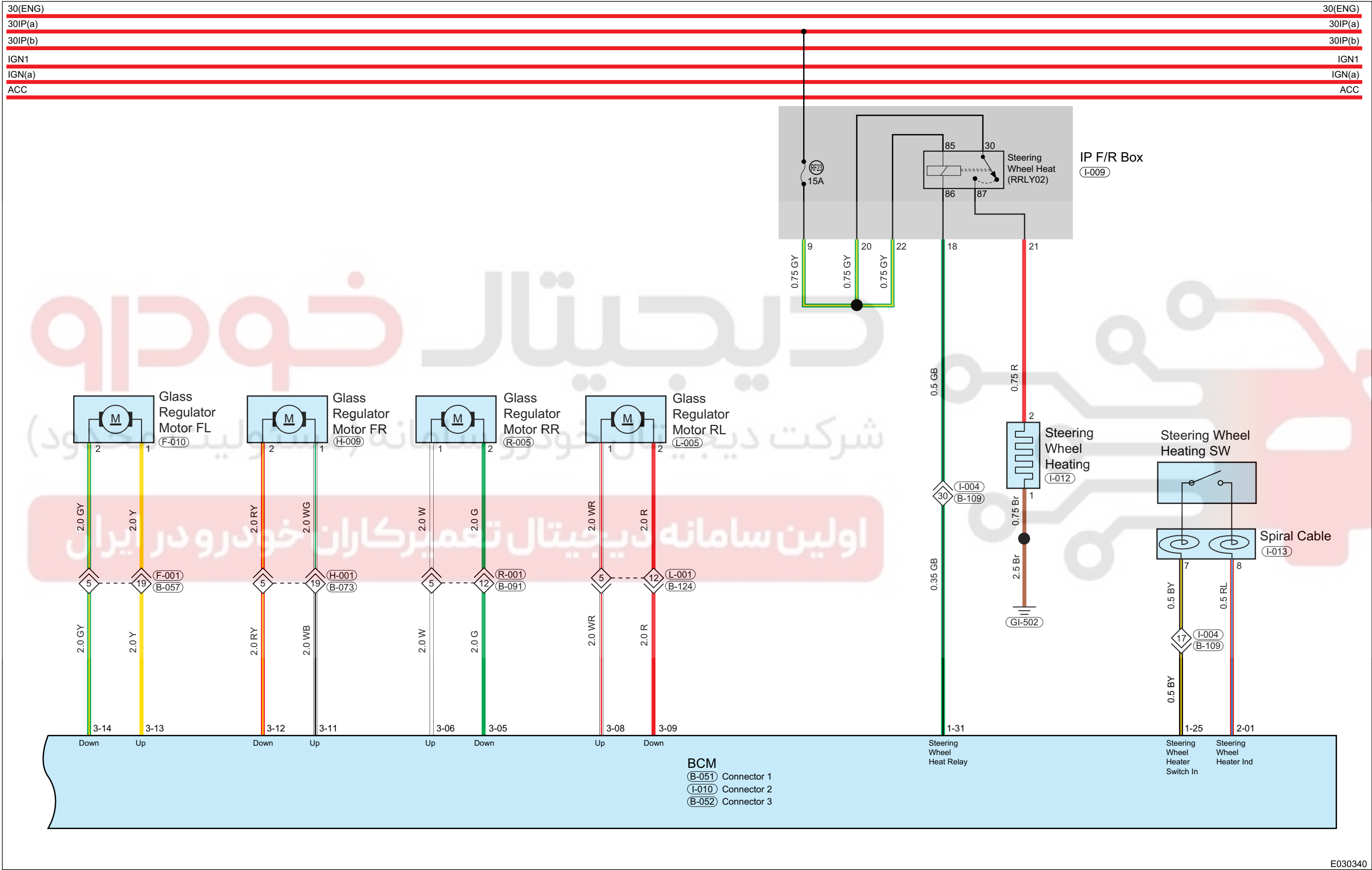
E030320

15. Four Door Glass Regulator SW



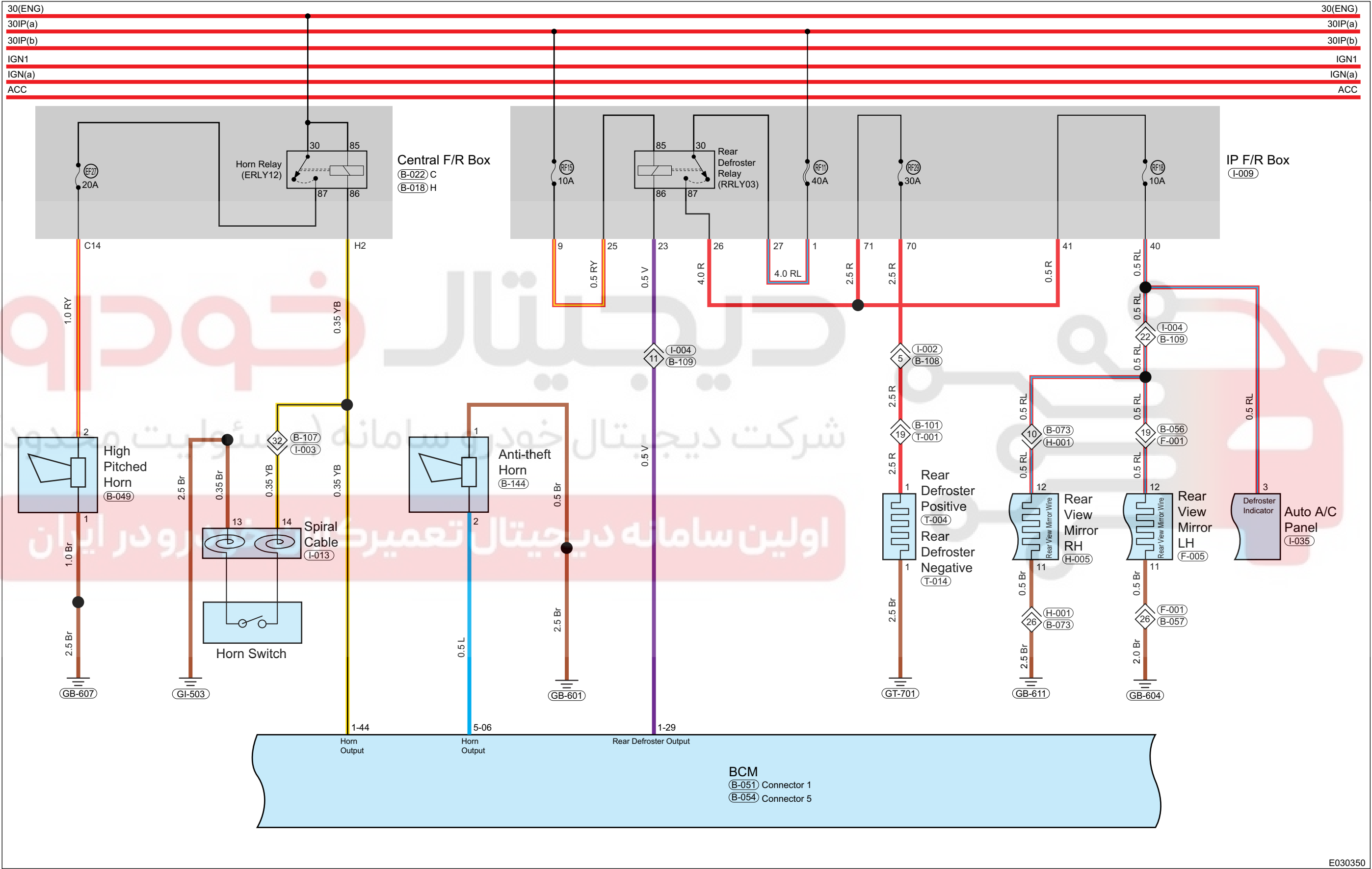
Vehicle Schematic Diagram

16. 4-Door Glass Regulator Motor, Steering Wheel Heating



E030340

17. Defroster, Rear View Mirror Heating, High Pitched Horn, Anti-theft Horn



E030350

[illegible]