

Power source circuit

CIRCUIT DESCRIPTION

This circuit supplies power to operate the rear right door ECU.

The diagram illustrates the wiring for the Rear Door RH ECU, showing its connections to various vehicle components. The ECU is represented by a large box on the right with terminals 1 (CPUB), 2 (BDR), 6 (GND), and 16 (SIG). Key components and their connections include:

- Luggage Room J/B:** Contains a 20A RR DOOR RH fuse. It connects the B-W wire to the ECU's BDR terminal (2) and the R-W wire to the ECU's CPUB terminal (1).
- Driver Side J/B:** Contains a 7.5A MPX-IG fuse and a 7.5A AM1 fuse. It connects the R-W wire to the ECU's CPUB terminal (1) and the R-L wire to the ECU's BDR terminal (2).
- Passenger Side J/B:** Contains a 7.5A MPX-B1 fuse and a 7.5A AM1 fuse. It connects the R-L wire to the ECU's CPUB terminal (1) and the R-W wire to the ECU's BDR terminal (2).
- FL Block:** Contains a 20A D/C CUT fuse, a 50A LUG J/B fuse, and a 140A ALT fuse. It connects the R-L wire to the ECU's CPUB terminal (1) and the R-W wire to the ECU's BDR terminal (2).
- Ignition SW:** Contains a 17 Ignition SW. It connects the R-W wire to the ECU's CPUB terminal (1) and the R-L wire to the ECU's BDR terminal (2).
- Other Components:** The diagram also shows the Battery, IG (LHD) and IK (RHD) relays, and the J27 J/C connector.

The diagram uses standard electrical symbols for fuses, relays, switches, and connectors. Wire colors are indicated by letters (e.g., B-W for Black-White, R-W for Red-White). Terminal numbers are shown in circles next to the components they connect.

INSPECTION PROCEDURE

- | | |
|---|--|
| 1 | Check MPX-B1, MPX-IG and RR DOOR RH fuse. |
|---|--|

CHECK:

Check continuity of MPX-B1, MPX-IG and RR DOOR RH fuse.

OK:

Continuity

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Replace defective fuse.

OK

- | | |
|---|--|
| 2 | Check voltage between terminals BDR,CPUB, SIG and GND of rear right door ECU connector. |
|---|--|

PREPARATION:

Turn the ignition switch ON.

CHECK:

Measure the voltage between terminals SIG and GND.

OK:

Voltage: 10 – 14V

PREPARATION:

- (a) Turn the ignition switch OFF.
- (b) Disconnect the rear door RH ECU connector.

CHECK:

Measure the voltage between terminals BDR, CPUB and GND.

OK:

Voltage: 10 – 14V

OK

Proceed to next circuit inspection shown on problem symptoms table ([See page DI-1339](#)).

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3**Check wireharness and connector between ECU and body ground ([See page IN-35](#)).****NG****Repair or replace wireharness or connector****OK****Proceed to next circuit inspection shown on problem symptom table ([See page DI-1339](#)).**