

Illumination circuit (Body ECU (Main) Control)

CIRCUIT DESCRIPTION

Receiving the courtesy signal from the Body ECU (Main), the Body ECU (Main) makes the switch illuminations to comes on.

The diagram illustrates the electrical system for the Body ECU (Main). It shows the following components and their connections:

- F12 Front Personal Light**: Connected to W-B.
- V6 Vanity Light LH**: Connected to W-B.
- V7 Vanity Light RH**: Connected to W-B.
- F11 Front Interior Light Rear Personal Light**: Includes switches for OFF, ON, and Door. Connected to W and G-Y.
- R25 Rear Interior Light**: Includes switches for OFF, ON, and Door. Connected to W and G-Y.
- Cowl Side J/B LH**: Contains a DOME Relay connected to SB and 79 (2Q).
- T11 Ignition Key Cylinder Light**: Connected to R and W.
- D15 Door Courtesy Light Front LH**: Connected to SB and 18 (2L).
- D17 Door Courtesy Light Rear LH**: Connected to G-W and 1 (2E).
- D16 Door Courtesy Light Front RH**: Connected to G-R and 1 (BB4).
- D18 Door Courtesy Light Rear RH**: Connected to G-B and 1 (BE4).
- Cowl Side J/B RH**: Contains relays 3Q, 3J, 3K, 3B, and a DOME relay. Connected to R and 25 (3Q).
- Engine Room R/B**: Includes BAT, Short Pin, and 1C. Connected to L-O and B-G.
- Fusible Link Block**: Contains MAIN and F16. Connected to B-G and Battery.
- Body ECU (Main)**: The central control unit with pins 11, 2L, 2G, 3, 8, 22, 15, 3, 4, 2I, 22, 27, 2Q, 12, 26, 21, 25, 22, 6, 7, 20, 12, 8, 22, 1C, and 2.
- Battery**: The power source at the bottom.

INSPECTION PROCEDURE

HINT:

In case of using the hand-held tester, start the inspection from step 1 and in case of not using the hand-held tester, start from step 2.

1	Check illumination using hand-held tester.
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PREPARATION:

Connect the hand-held tester to DLC 3.

CHECK:

Check that the illumination operate in ACTIVE TEST (See page [DI-1396](#)).

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-1412](#)).

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2	Check illumination light (See page BE-53).
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Replace illumination light.

OK

3	Check wire harness and connector between illumination light and Body ECU (Main) (See page IN-36).
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Repair or replace wire harness or connector.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-1412](#)).