**Illumination Circuit**

**DESCRIPTION**
Upon receiving signals from the switches, the main body ECU illuminates the lights.

**WIRING DIAGRAM**

![Wiring Diagram](image)

**INSPECTION PROCEDURE**

1. **PERFORM ACTIVE TEST BY INTELLIGENT TESTER**
   
   (a) Connect the intelligent tester with CAN VIM to DLC3.
   (b) Turn the ignition switch ON.
   (c) Turn the intelligent tester on.
(d) Select the item(s) in the ACTIVE TEST, and check the operation.

OK: The room light and rear room light come on. (Light switch is in DOOR position.)

NG

2 INSPECT ROOM LIGHT ASSEMBLY

(a) Inspect the room light assembly. (see page LI-96).

OK: Room light assembly is normal.

NG REPLACE ROOM LIGHT ASSEMBLY

OK

3 INSPECT REAR ROOM LIGHT ASSEMBLY

(a) Inspect the rear room light assembly. (see page LI-100).

OK: Rear room light assembly is normal.

NG REPLACE REAR ROOM LIGHT ASSEMBLY

OK

4 CHECK HARNESS AND CONNECTOR (MAIN BODY ECU - ROOM LIGHT, BODY GROUND)

Wire Harness Side:

Main Body ECU Connector

GND2

1A

ILI

Front View

B130003E02

(a) Disconnect the 1A main body ECU connector.

(b) Measure the resistance.

Standard resistance

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Condition</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A-8 (ILE) - 1A-7 (GND2)</td>
<td>Room light switch is in DOOR position Rear room light switch is in OFF position</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>1A-8 (ILE) - 1A-7 (GND2)</td>
<td>Room light switch is in OFF position Rear room light switch is in DOOR position</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>1A-8 (ILE) or 1A-7 (GND2)</td>
<td>Body ground</td>
<td>Always</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 kΩ or higher</td>
</tr>
</tbody>
</table>

(c) Reconnect the main body ECU connector.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR
OK

REPLACE MAIN BODY ECU