**DRL Relay Circuit**

**SYSTEM DESCRIPTION**
The main body ECU controls the DRL relay.

**WIRING DIAGRAM**

![Wiring Diagram](image_url)

**INSPECTION PROCEDURE**

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Test Details</th>
<th>Diagnostic Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRL RLY</td>
<td>DRL relay ON / OFF</td>
<td></td>
</tr>
</tbody>
</table>

**OK:** Headlight assembly (low) illuminates.

![OK](image_url)

**OK** PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

**NG**

2. **INSPECT FUSE (DRL FUSE)**
   
   (a) Remove the DRL fuse from the engine room R/B No. 2.
### INSPECT DAYTIME RUNNING LIGHT RELAY

(a) Remove the DRL relay from the engine room R/B No. 4.
(b) Measure the resistance.

**Standard resistance**

- **Standard resistance:**
  - **Below 1 Ω**

(c) Reinstall the DRL relay.

#### CHECK HARNESS AND CONNECTOR (BATTERY - DAYTIME RUNNING LIGHT RELAY)

(a) Remove the DRL relay from the engine room R/B No. 4.
(b) Measure the voltage.

**Standard voltage**

- **Standard voltage:**
  - **Light control switch is in HEAD position**
    - 11 to 14 V
  - **Light control switch is in OFF or TAIL position**
    - Below 1 V

(c) Reinstall the DRL relay.
5 CHECK HARNESS AND CONNECTOR (DAYTIME RUNNING LIGHT RELAY - MAIN BODY ECU)

(a) Remove the DRL relay from the engine room R/B No. 4.
(b) Disconnect the 1B main body ECU connector.
(c) Measure the resistance.

**Standard resistance**

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRL relay terminal 2 - 1B-3 (H-ON)</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>DRL relay terminal 2 or 1B-3 (H-ON) - Body ground</td>
<td>10 kΩ or higher</td>
</tr>
</tbody>
</table>

(d) Reinstall the DRL relay.
(e) Reconnect the main body ECU connector.

6 CHECK HARNESS AND CONNECTOR (DAYTIME RUNNING LIGHT RELAY - HEADLIGHT, BODY GROUND)

(a) Remove the DRL relay from the engine room R/B No. 4.
(b) Disconnect the A23 and A24 headlight connectors.
(c) Measure the resistance.

**Standard resistance**

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRL relay terminal 3 - A23-3</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>DRL relay terminal 3 or A23-3 - Body ground</td>
<td>10 kΩ or higher</td>
</tr>
<tr>
<td>DRL relay terminal 3 - A24-3</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>DRL relay terminal 3 or A24-3 - Body ground</td>
<td>10 kΩ or higher</td>
</tr>
</tbody>
</table>

(d) Reinstall the DRL relay.
(e) Reconnect the headlight connectors.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR
OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE