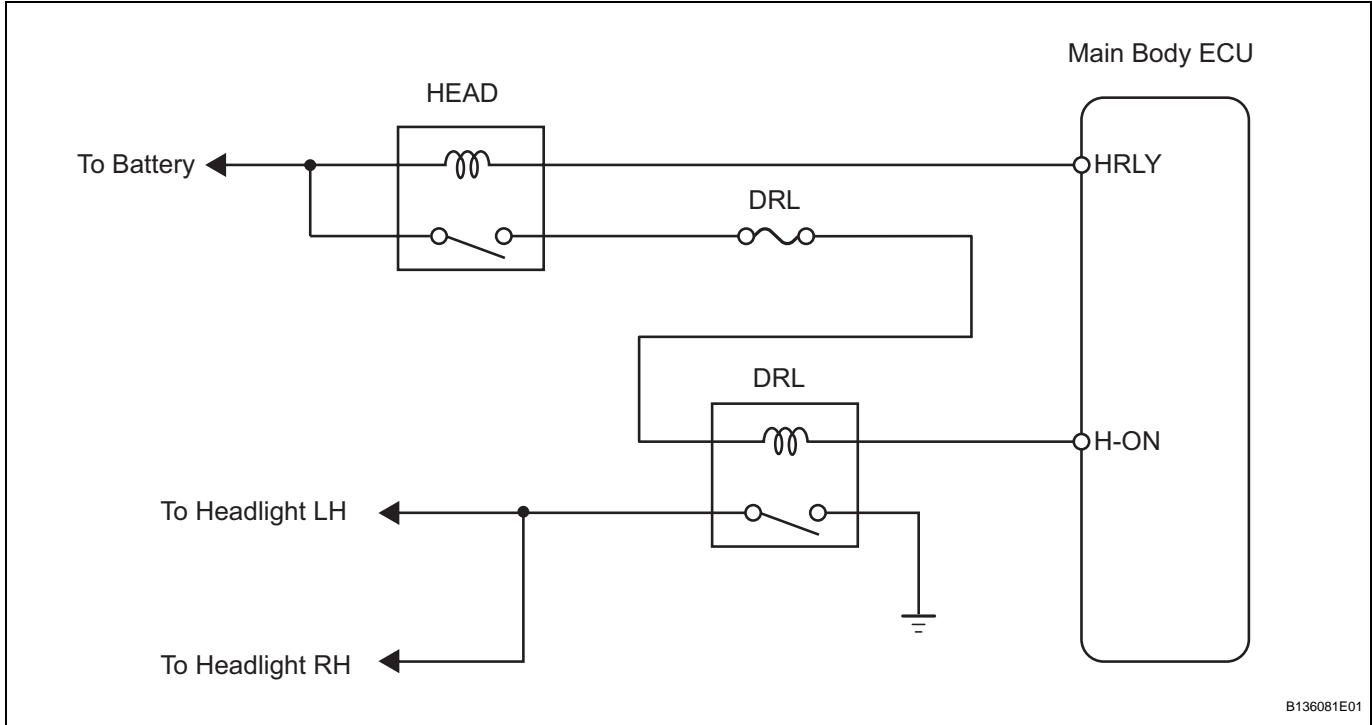


DRL Relay Circuit

SYSTEM DESCRIPTION

The main body ECU controls the DRL relay.

WIRING DIAGRAM



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.

BODY

Item	Test Details	Diagnostic Note
DRL RLY	DRL relay ON / OFF	-

OK:

Headlight assembly (low) illuminates.

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.

(b) Measure the resistance.

Standard resistance:

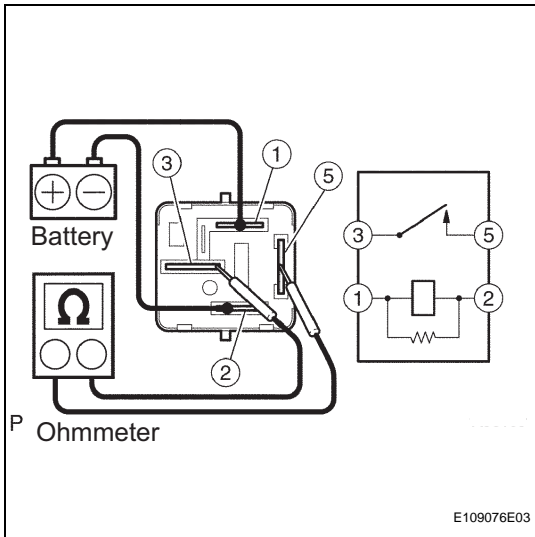
Below 1 Ω

(c) Reinstall the DRL fuse.

NG → **REPLACE FUSE**

OK

3 INSPECT DAYTIME RUNNING LIGHT RELAY



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

(b) Measure the resistance.

Standard resistance

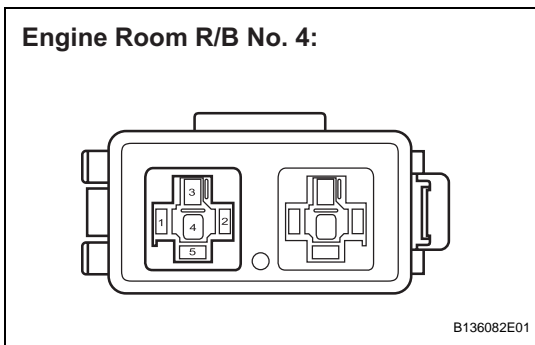
Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1 Ω (When battery voltage is applied between terminals 1 and 2)

(c) Reinstall the DRL relay.

NG → **REPLACE DAYTIME RUNNING LIGHT RELAY**

OK

4 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

Tester connection	Condition	Specified Condition
DRL relay terminal 1 - Body round	Light control switch is in HEAD position	11 to 14 V
DRL relay terminal 1 - Body round	Light control switch is in OFF or TAIL position	Below 1 V

(c) Reinstall the DRL relay.

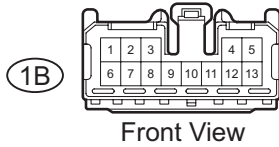
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

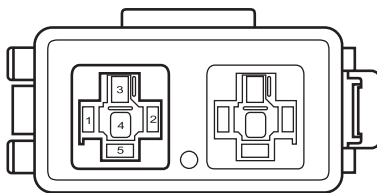
5 CHECK HARNESS AND CONNECTOR (DAYTIME RUNNING LIGHT RELAY - MAIN BODY ECU)

Wire Harness Side:

Main Body ECU Connector



Engine Room R/B No. 4:



B136083E01

- (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

Tester Connection	Specified Condition
DRL relay terminal 2 - 1B-3 (H-ON)	Below 1 Ω
DRL relay terminal 2 or 1B-3 (H-ON) - Body ground	10 kΩ or higher

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

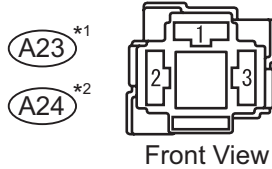
NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

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

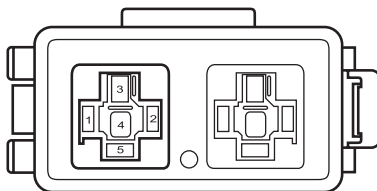
Wire Harness Side:

Headlight Connector



*1: LH
*2: RH

Engine Room R/B No. 4:



B136084E01

- (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

Tester Connection	Specified Condition
DRL relay terminal 3 - A23-3	Below 1 Ω
DRL relay terminal 3 or A23-3 - Body ground	10 kΩ or higher
DRL relay terminal 3 - A24-3	Below 1 Ω
DRL relay terminal 3 or A24-3 - Body ground	10 kΩ or higher
DRL relay terminal 5 - Body ground	Below 1 Ω

- (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