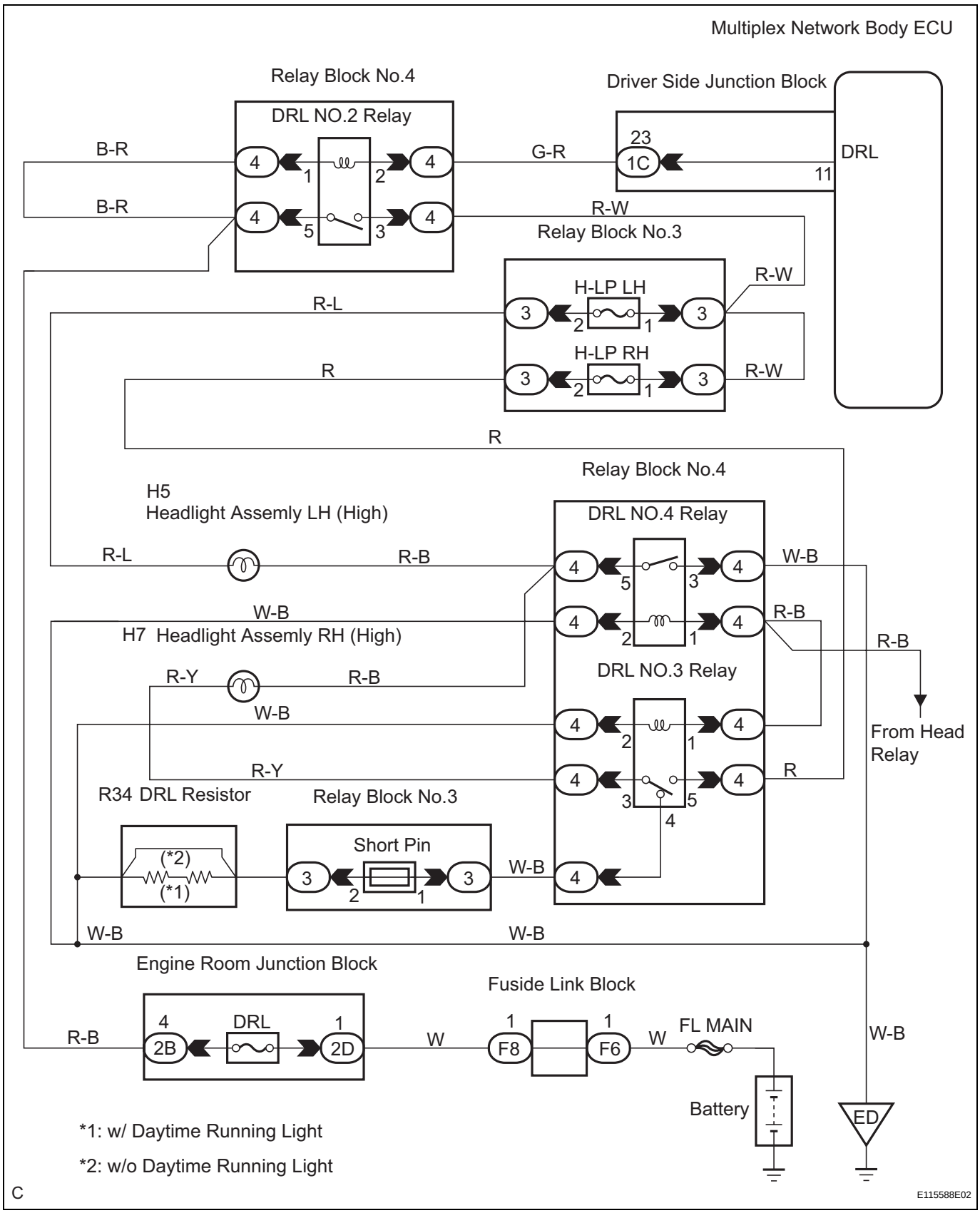
DRL Relay Circuit

DESCRIPTION

The Multiplex network body ECU controls the DRL No.2 relay.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST BY INTELLIGENT TESTER

(a) Connect the intelligent tester to DLC3.
(b) Turn the ignition switch ON and push the intelligent tester main switch ON.
(c) Select the item below in the ACTIVE TEST and then check that the relay operates.

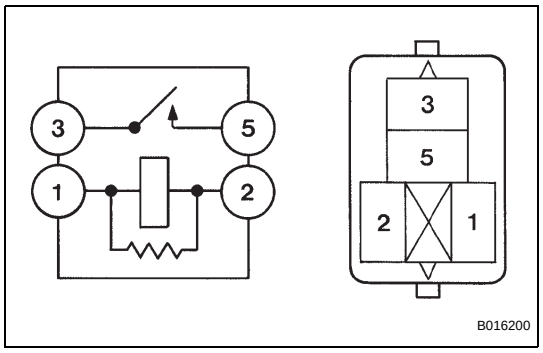
BODY NO.1:

Item	Test Details	Diagnostic Note
DRL RELAY	(Test Details) Turn daytime running light relay ON / OFF (Vehicle Condition) Ignition SW is ON, engine is stopped and light control SW is in OFF position.	-

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

NG

2	INSPECT DRL NO.2 RELAY



(a) Inspect DRL No.2 Relay continuity.
Resistance

Tester Connection	Condition	Specified Condition
3 - 5	Always	10 kΩ or higher
3 - 5	Apply B+ between the terminal 1 and 2	Below 1 Ω

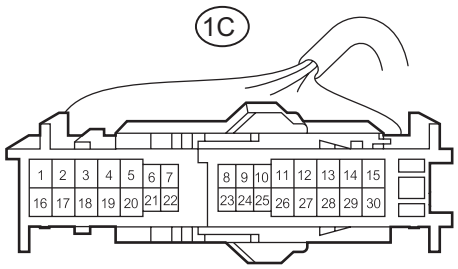
NG → **REPLACE DRL NO.2 RELAY**

OK

LI

3 CHECK HARNESS AND CONNECTOR (POWER SOURCE)

Instrument Panel Junction Block assembly Connector Front View:



(a) Disconnect the connector from the instrument panel junction block assembly.
(b) Measure the voltage according to the value(s) in the table below.

Voltage

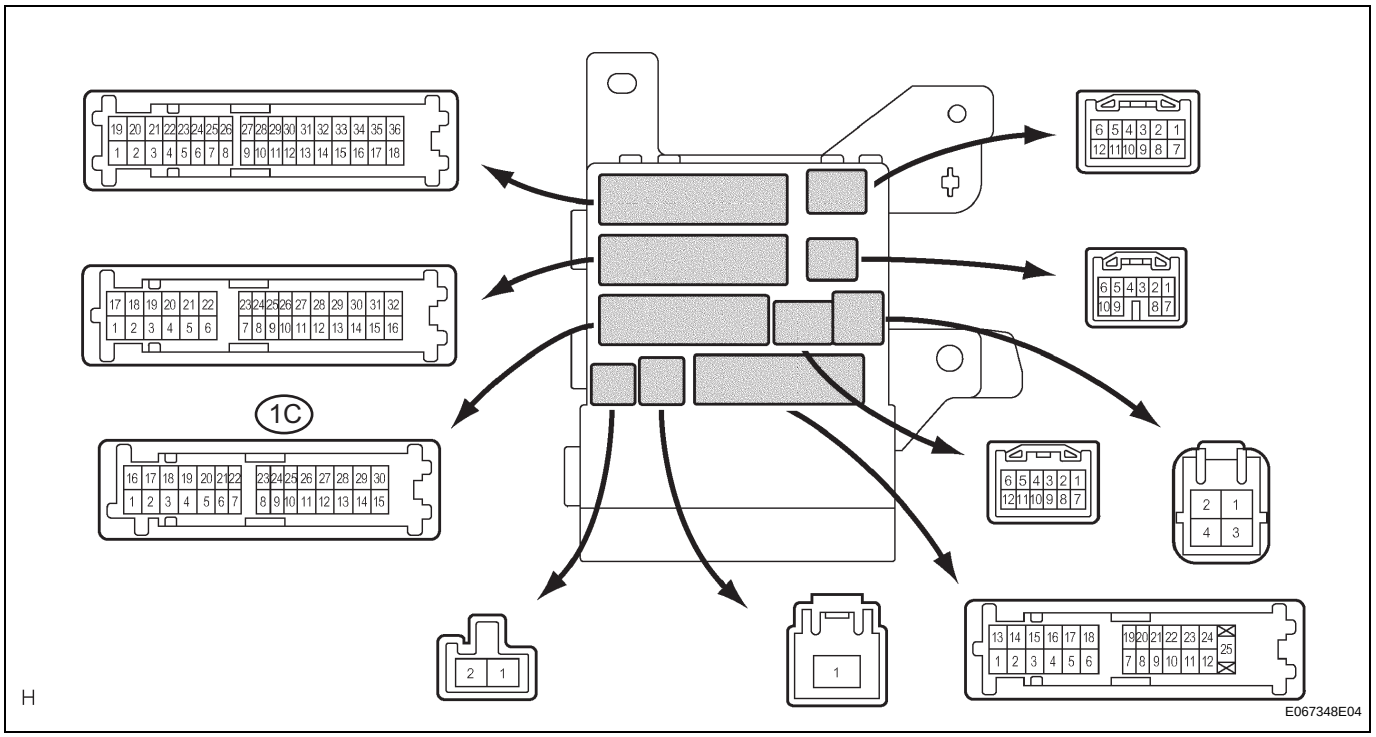
Tester Connection	Condition	Specified Condition
1C-23 - Body ground	Always	10 to 14 V

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

OK

4 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

(a) Reconnect the connector to the instrument panel junction block assembly.



(b) Measure the voltage according to the value(s) in the table below.

Voltage

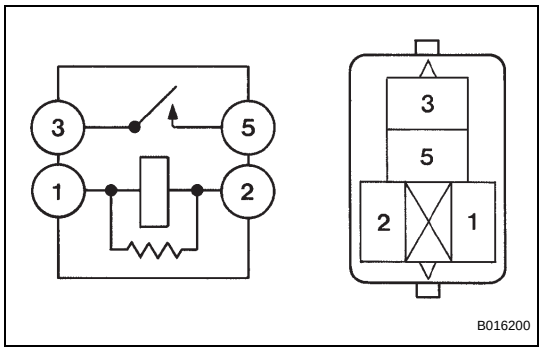
Tester Connection	Condition	Specified Condition
1C-23 - Body ground	Ignition switch: OFF	10 to 14 V

Tester Connection	Condition	Specified Condition
1C-23 - Body ground	Ignition switch: ON	Below 1 V

NG → REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

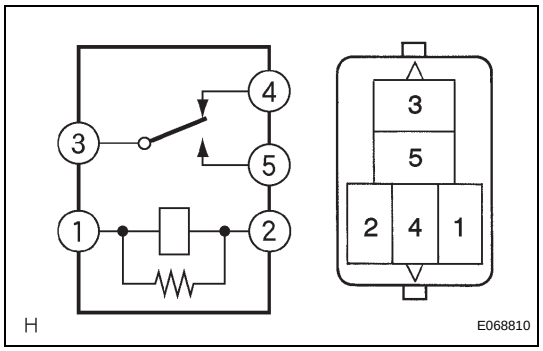
OK

5 INSPECT RELAY (DRL NO.3, DRL NO.4)



(a) Inspect DRL NO.4 Relay continuity.
Resistance

Tester Connection	Condition	Specified Condition
3 - 5	Always	10 kΩ or higher
3 - 5	Apply B+ between the terminal 1 and 2	Below 1 Ω



(b) Inspect DRL NO.3 Relay continuity.
Resistance

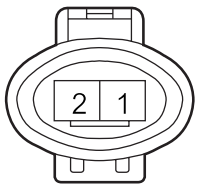
Tester Connection	Condition	Specified Condition
3 - 4	Always	Below 1 Ω
3 - 4	Apply B+ between the terminal 1 and 2	10 kΩ or higher
3 - 5	Always	10 kΩ or higher
3 - 5	Apply B+ between the terminal 1 and 2	Below 1 Ω

NG → REPLACE RELAY

OK

6 INSPECT DAYTIME RUNNING LIGHT RESISTER

Daytime Resistor Connector Front View:



H E124415E01

(a) Measure the resistance according to the value(s) in the table below.
Resistance

Tester Connection	Condition	Specified Condition
1 - 2	Always	0.94 to 1.04 Ω

NG → REPLACE DAYTIME RUNNING LIGHT RESISTER

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR