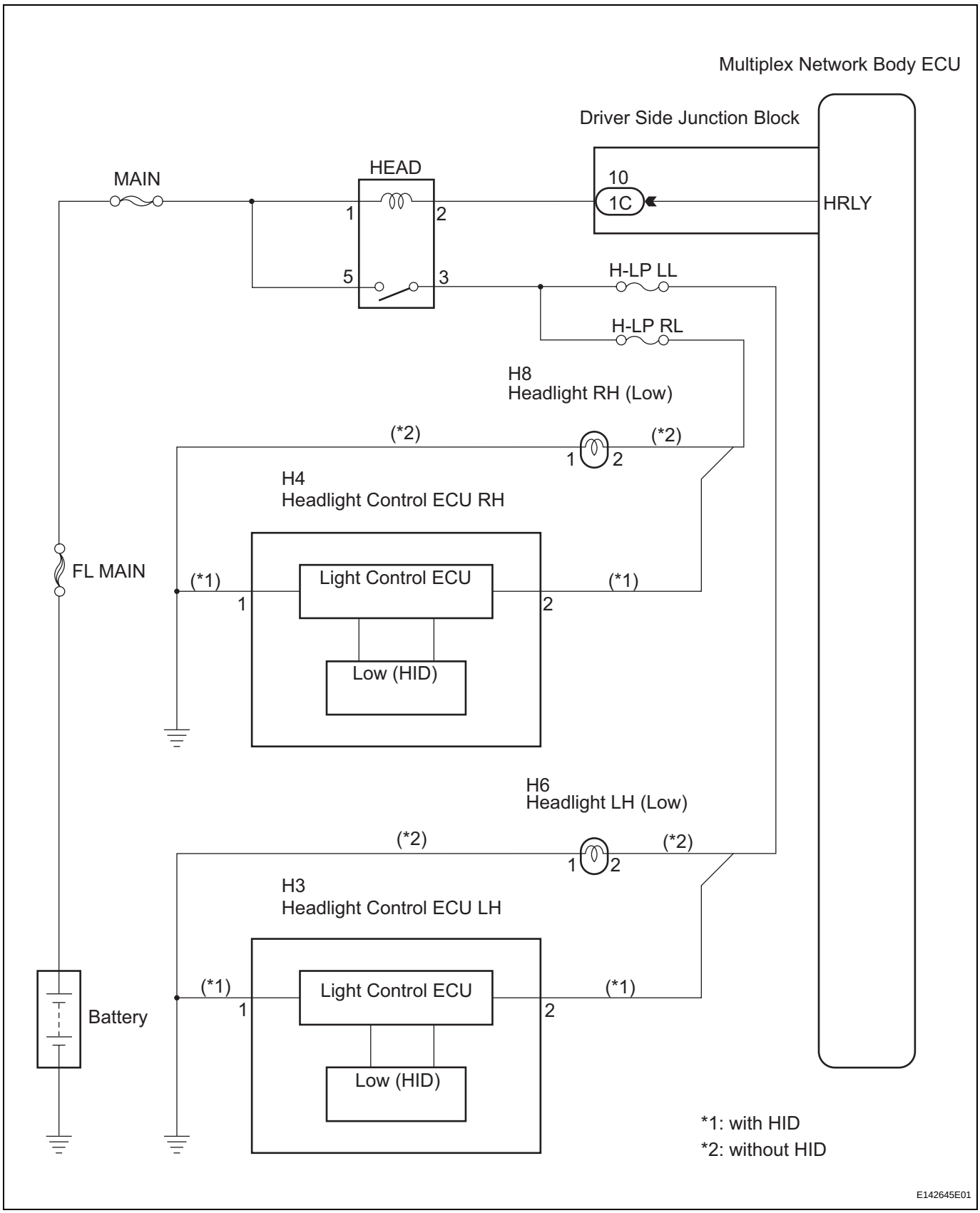
Headlight Relay Circuit

DESCRIPTION

The Multiplex network body ECU controls HEAD relay when signal is received from headlight dimmer switch assembly.

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.

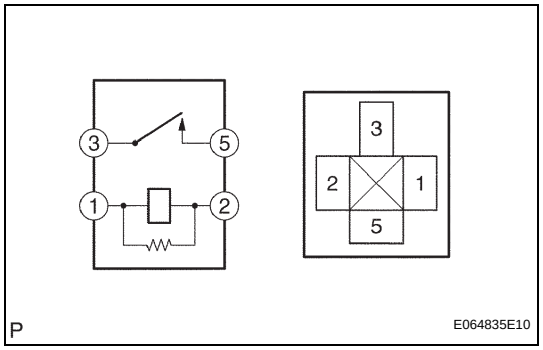
BODY NO. 1:

Item	Test Details	Diagnostic Note
HEAD LIGHT	Turn Headlight relay ON / OFF	-

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

NG

2	INSPECT HEADLIGHT RELAY



(a) Inspect headlight relay continuity.
Resistance

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

NG → **REPLACE HEADLIGHT RELAY**

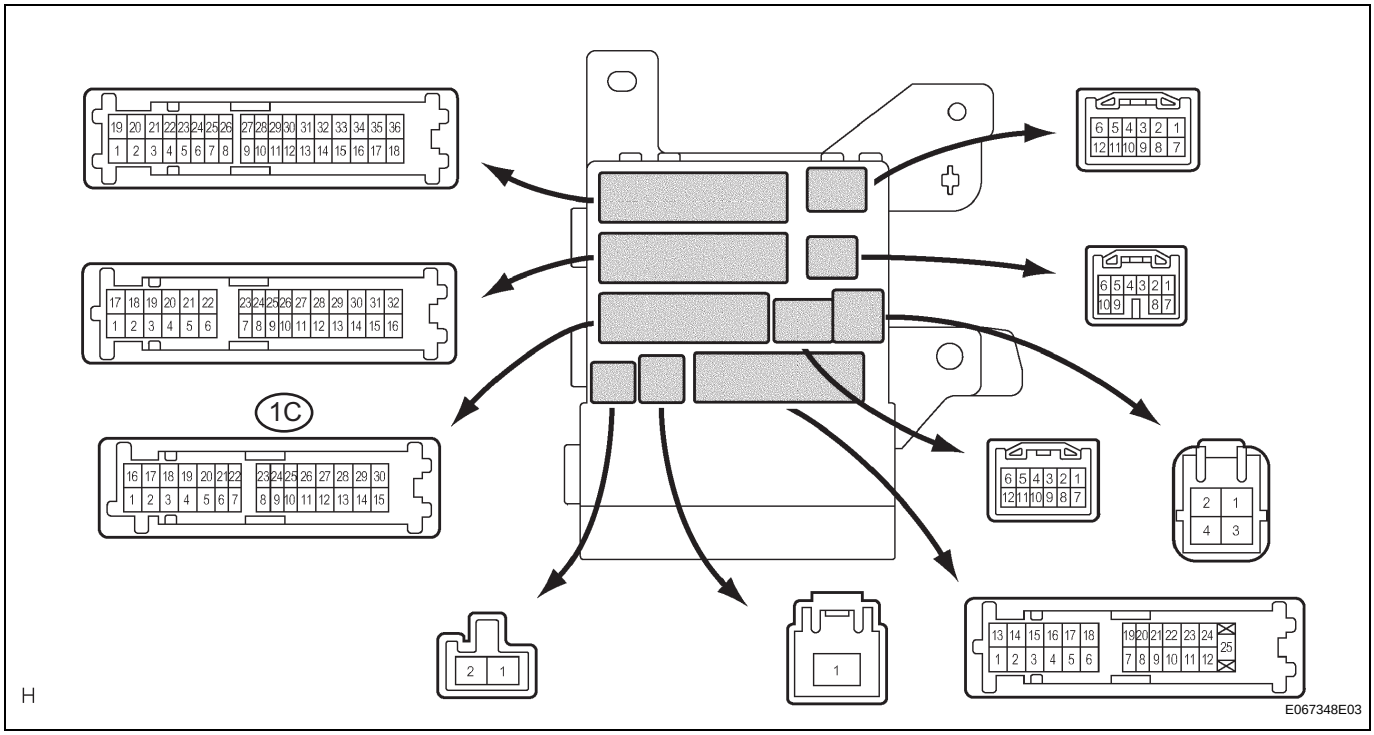
OK

3	INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

(a) Measure voltage between the terminal as shown in the chart below.

Voltage

Tester Connection	Condition	Specified Voltage (V)
1C-10 - Body ground	Light control switch OFF → ON	Below 1 V → 10 to 14 V



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

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR