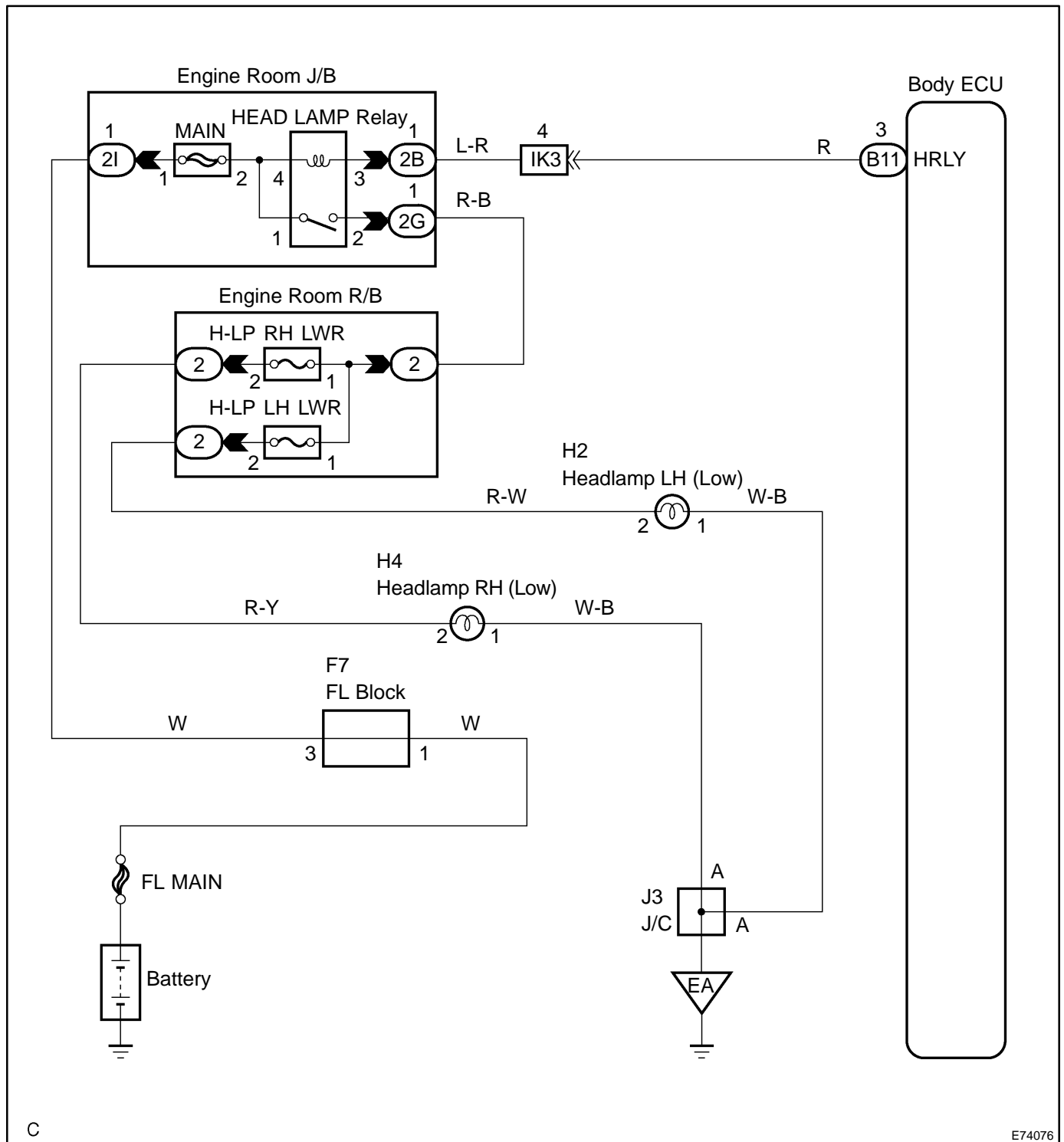


HEADLIGHT RELAY CIRCUIT

CIRCUIT DESCRIPTION

The multiplex network body ECU controls the HEAD relay when a signal is received from the headlamp dimmer switch assy.

WIRING DIAGRAM



C

E74076

INSPECTION PROCEDURE

1 PERFORM ACTIVE TEST USING HAND-HELD TESTER

- Connect the hand-held tester to the DLC3.
- Turn the ignition switch to the ON position and turn the hand-held tester main switch on.
- Select the item below in the ACTIVE TEST and then check the relay operation.

BODY NO.1 (MULTIPLEX NETWORK BODY ECU):

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

OK: Headlamp comes on.

NG

Go to step 2

OK

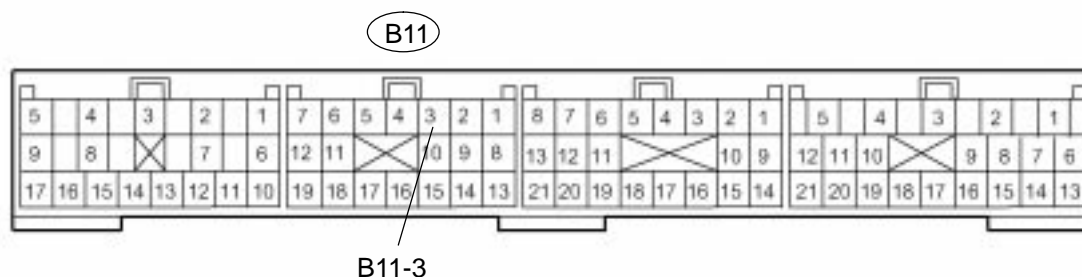
**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05-1538)**

2 INSPECT MULTIPLEX NETWORK BODY ECU

- Disconnect the B11 connector from the multiplex network body ECU.
- Using a service wire, connect B11-3 of the wire harness side and body ground.

OK: Headlamp comes on.

**Multiplex Network Body ECU
Connector Front View:**



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Go to step 3

OK

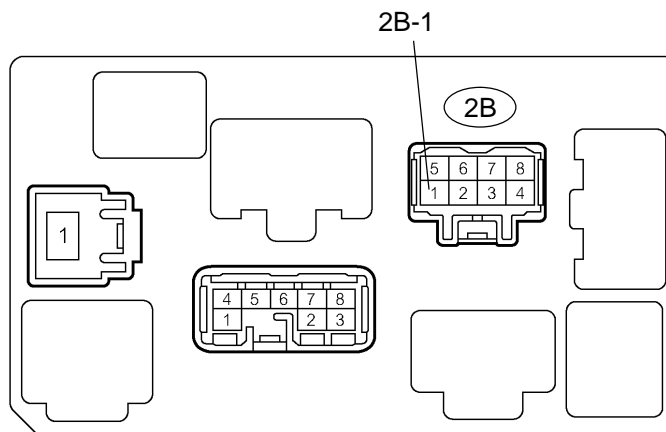
**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05-1538)**

3 INSPECT ENGINE ROOM J/B

- (a) Disconnect the 2B connector from the engine room J/B.
- (b) Using a service wire, connect 2B-1 of the engine room J/B side and body ground.

OK: Headlamp comes on.

**Engine Room J/B
Connector Front View:**



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NG**Go to step 4****OK**

REPAIR OR REPLACE HARNESS OR CONNECTOR (ENGINE ROOM J/B - MULTIPLEX NETWORK BODY ECU)

4	INSPECT ENGINE ROOM J/B
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(a) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
2G-1 - Body ground	Connect 2B-1 and body ground	10 to 14 V

Engine Room J/B
Connector Front View:

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NG	Go to step 5
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OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (EACH OF HEADLAMP CIRCUIT)
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5INSPECT ENGINE ROOM J/B

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

Standard:

Tester connection	Condition	Specified condition
2B-1 - Body ground	Always	10 to 14 V

Engine Room J/B
Connector Front View:

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NG

Go to step 6

OK

REPLACE ENGINE ROOM J/B

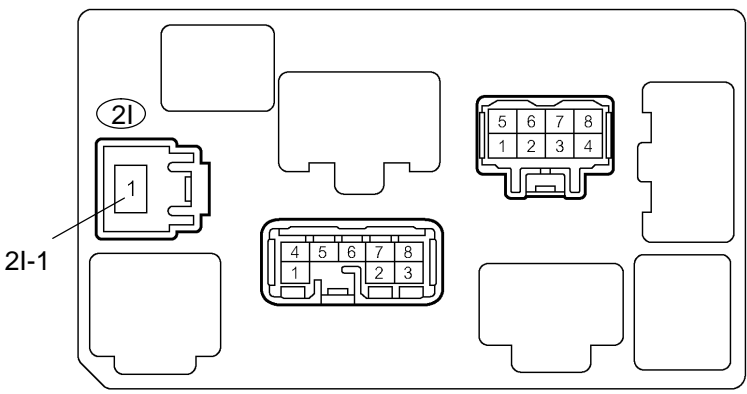
6	CHECK HARNESS AND CONNECTOR(POWER SOURCE CIRCUIT)
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- (a) Disconnect the 2I connector from the engine room J/B.
- (b) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
2I-1 - Body ground	Always	10 to 14 V

Engine Room J/B
Connector Front View:



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NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ENGINE ROOM J/B
