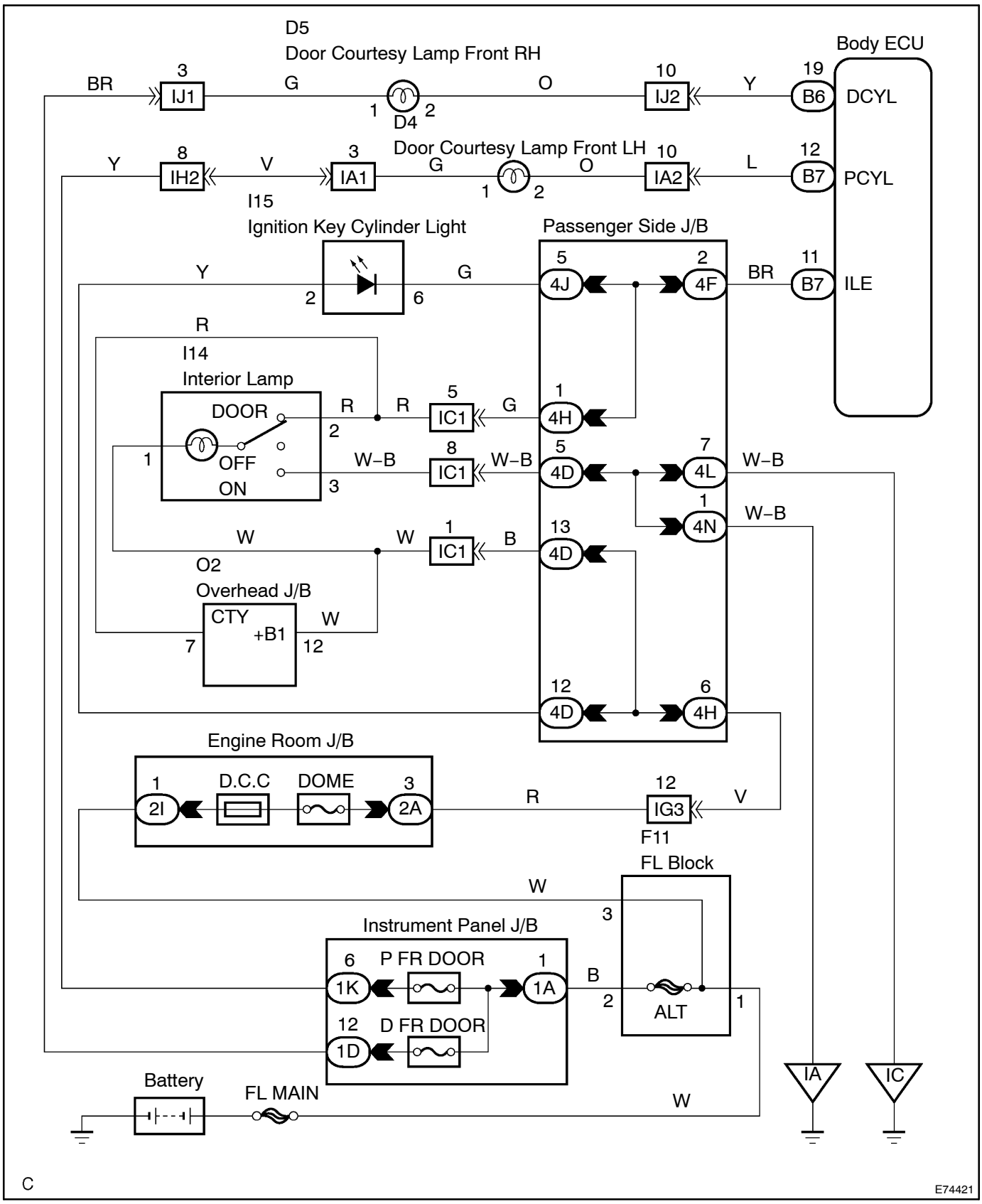
ILLUMINATION CIRCUIT

CIRCUIT DESCRIPTION

The multiplex network body ECU controls the following.

(1) Key cylinder lamp
(2) Interior lamp
(3) Personal lamp (Overhead J/B)
(4) Door courtesy lamp

WIRING DIAGRAM



INSPECTION PROCEDURE

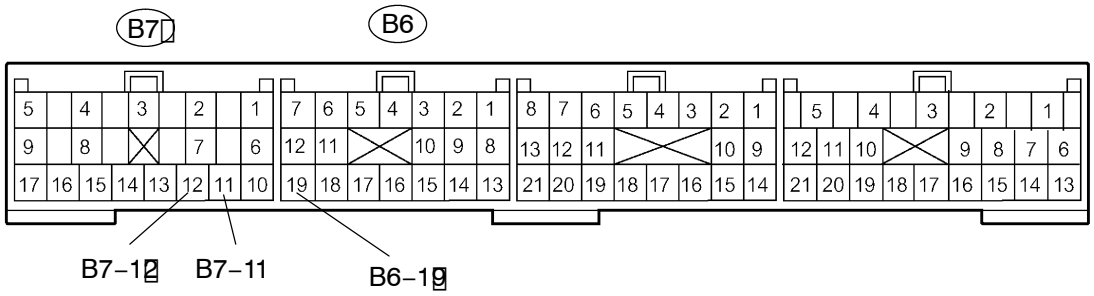
1	CHECK HARNESS AND CONNECTOR(ILLUMINATION CIRCUIT)

(a) Disconnect the B6 and B7 connectors from the multiplex network body ECU.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
B6–19 – Body ground	Always	10 to 14 V
B7–11 – Body ground	Always	10 to 14 V
B7–12 – Body ground	Always	10 to 14 V

Multiplex Network Body ECU
Connector Front View:

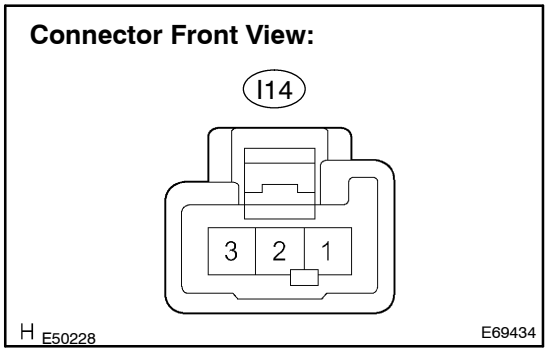


NG → **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05–751)

2 INSPECT INTERIOR LIGHT



(a) Inspect room lamp assy No.1 (interior light).

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

Standard:

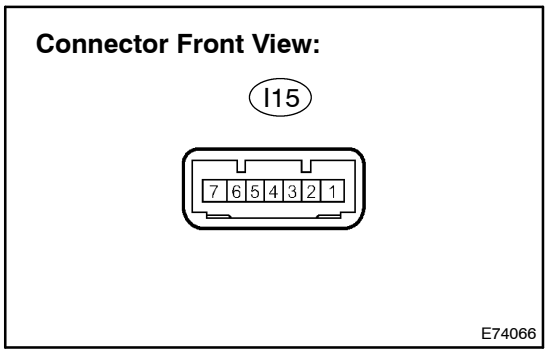
Tester connection	Condition	Specified resistance
1 – 2	Switch is OFF	10 kΩ or higher
1 – 3	Switch is OFF	10 kΩ or higher

(2) Connect the positive (+) lead from the battery to terminal 1 and the negative (–) lead to terminal 2, then check that the lamp comes on when the switch is in the DOOR position.

OK: Lamp comes on.

(3) Connect the positive (+) lead from the battery to terminal 1 and the negative (–) lead to terminal 3, then check that the lamp comes on when the switch is in the ON position.

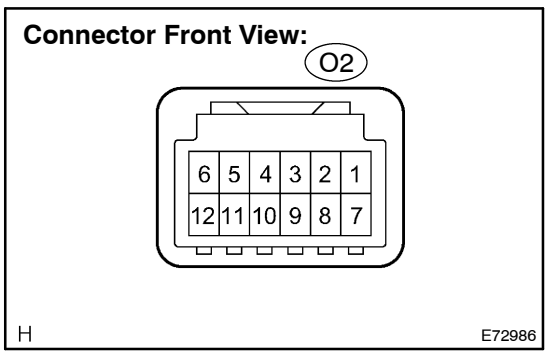
OK: Lamp comes on.



(b) Inspect key cylinder illumination.

(1) Connect the positive (+) lead from the battery to terminal 2 and the negative (–) lead to terminal 6, then check that the lamp comes on.

OK: Illumination comes on.

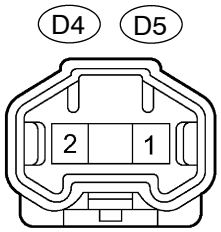


(c) Inspect personal lamp (overhead J/B).

(1) Connect the positive (+) lead from the battery to terminal 12 and the negative (–) lead to terminal 7, then check that the lamp comes on when switch is in the DOOR position.

OK: Lamp comes on.

Connector Front View:



H E69342

(d) Inspect courtesy lamp.
(1) Connect the positive (+) lead from the battery to terminal 1 and the negative (–) lead to terminal 2, then check that the lamp comes on.
OK: Lamp comes on.

NG → **REPLACE INTERIOR LIGHT (EACH ILLUMINATION LAMP)**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (EACH ILLUMINATION CIRCUIT)