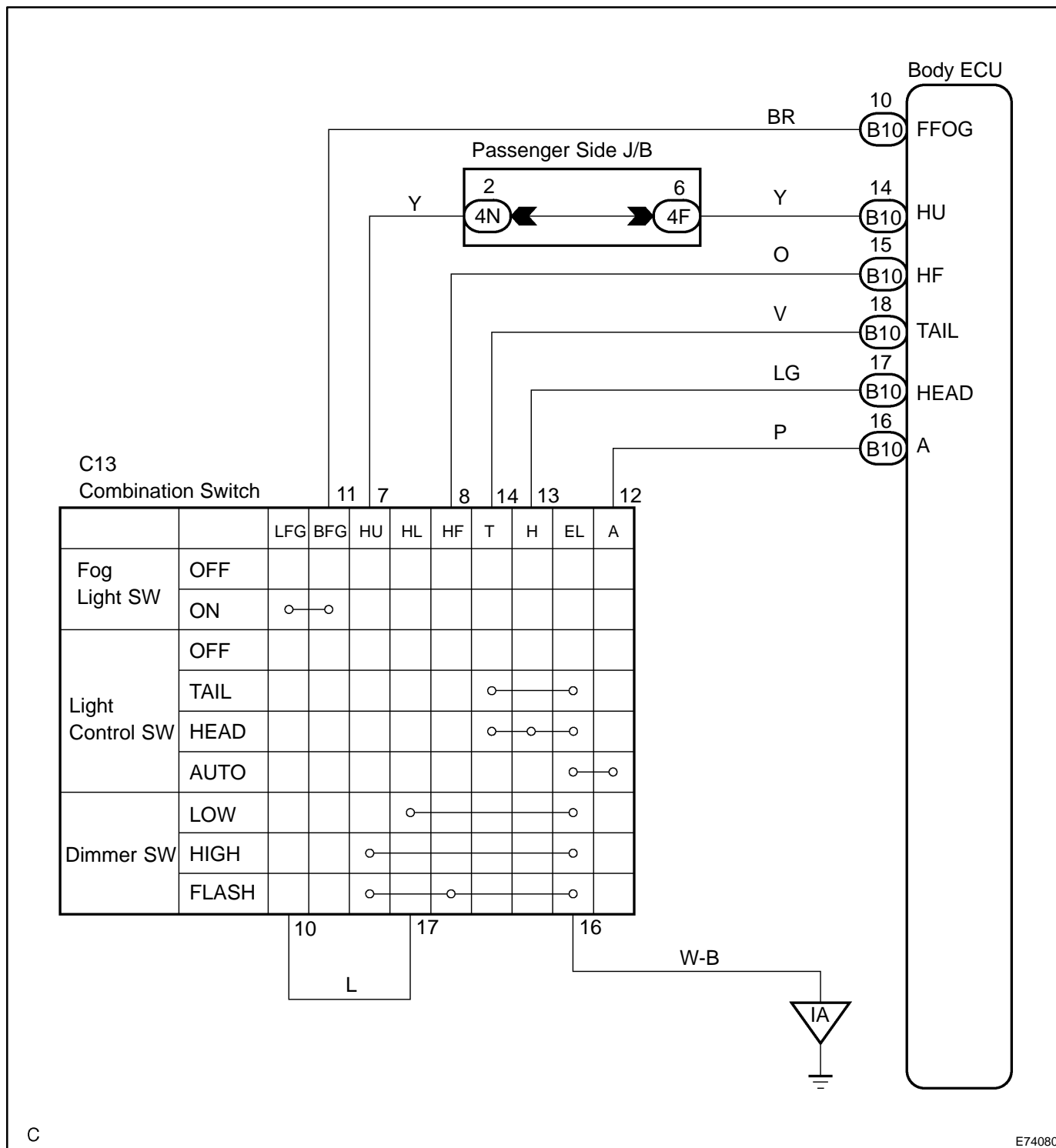


LIGHT CONTROL SWITCH CIRCUIT

CIRCUIT DESCRIPTION

This circuit detects the state of the headlamp dimmer switch.

WIRING DIAGRAM



INSPECTION PROCEDURE

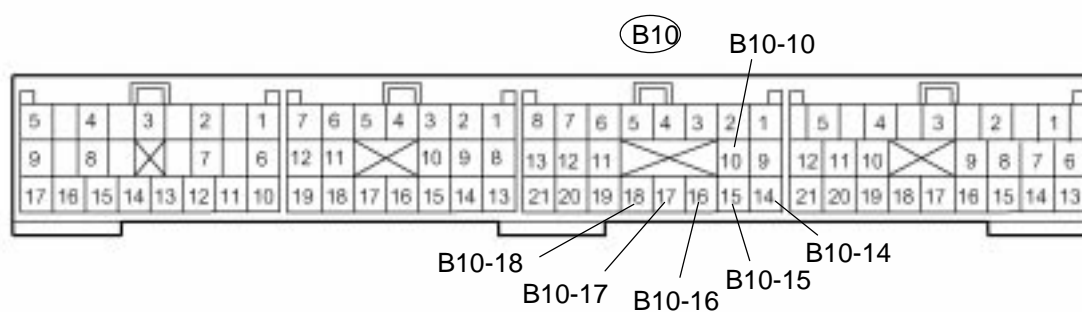
1 INSPECT MULTIPLEX NETWORK BODY ECU

- Disconnect the B10 connector from the multiplex network body ECU.
- Measure the voltage according to the value(s) in the table below.

Standard:

| Tester connection | Condition | Specified condition |
|----------------------|------------------------------------|-----------------------------|
| B10-10 - Body ground | Front fog light switch OFF → ON | 10 kΩ or higher → Below 1 Ω |
| B10-14 - Body ground | Headlamp Dimmer switch LOW → HIGH | 10 kΩ or higher → Below 1 Ω |
| B10-15 - Body ground | Headlamp Dimmer switch LOW → FLASH | 10 kΩ or higher → Below 1 Ω |
| B10-16 - Body ground | Light control switch OFF → AUTO | 10 kΩ or higher → Below 1 Ω |
| B10-17 - Body ground | Light control switch OFF → HEAD | 10 kΩ or higher → Below 1 Ω |
| B10-18 - Body ground | Light control switch OFF → TAIL | 10 kΩ or higher → Below 1 Ω |

Multiplex Network Body ECU Connector Front View:



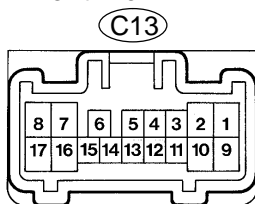
E74263

NG
Go to step 2
OK

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

2 INSPECT HEADLAMP DIMMER SWITCH ASSY

Connector Front View:



E11948

- (a) Inspect light control switch (when headlamp is malfunctioning).

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

Standard:

| Tester connection | Condition | Specified condition |
|-------------------------------|-----------|---------------------|
| 12 - 16 13 - 16 14 - 16 | OFF | 10 kΩ or higher |
| 14 - 16 | TAIL | Below 1 Ω |
| 13 - 16 14 - 16 | HEAD | Below 1 Ω |
| 12 - 16 | AUTO | Below 1 Ω |

- (b) Inspect headlamp dimmer switch (when headlamp is malfunctioning).

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

Standard:

| Tester connection | Condition | Specified condition |
|-------------------|-----------|---------------------|
| 16 - 17 | LOW | Below 1 Ω |
| 7 - 16 | HIGH | Below 1 Ω |
| 7 - 16 8 - 16 | FLASH | Below 1 Ω |

- (c) Inspect front fog light switch (when fog lamp is malfunctioning).

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

Standard:

| Tester connection | Condition | Specified condition |
|-------------------|-----------|---------------------|
| 10 - 11 | OFF | 10 kΩ or higher |
| 10 - 11 | ON | Below 1 Ω |

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**REPLACE HEADLAMP DIMMER SWITCH ASSY
(SEE PAGE 65-25)**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR