

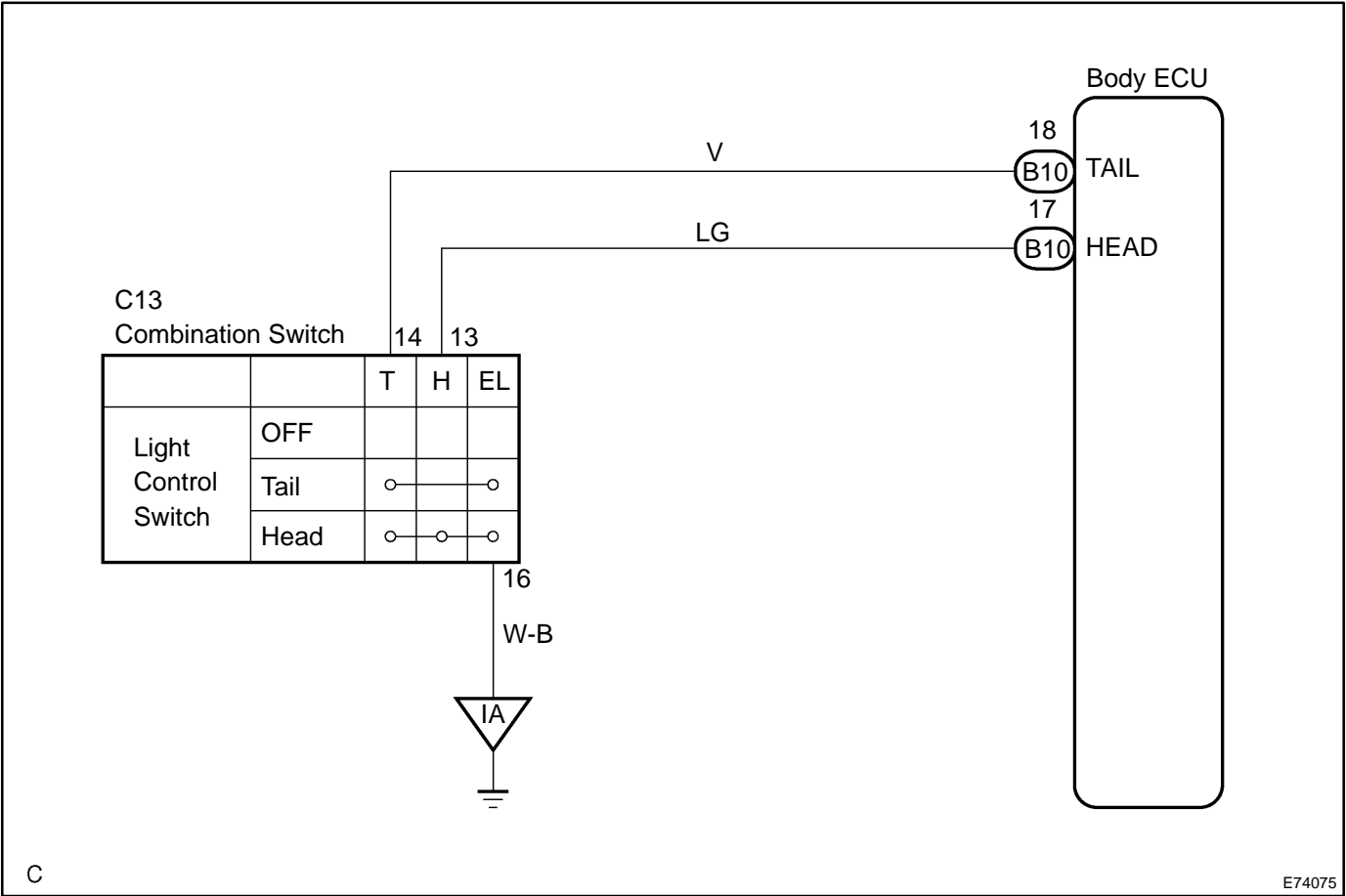
DTC	B1241	BODY ECU SWITCH CIRCUIT DIAGNOSIS
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CIRCUIT DESCRIPTION

The following explains when this DTC is output:
This DTC is not output when the switches are operated but fail to make contact. It is only output when the switches are stuck or held on. For example, this code is output when checking the DTC while the switches are on:
System is normal:
(a) DTC is output during DTC check with the switches on.
(b) DTC is not output during DTC check with the switches off.
Inspect the switches and replace if necessary. If there is no problem with the switches, inspect the wire harness.

DTC No.	DTC Detecting Condition	Trouble Area
B1241	Switch is stuck	<ul style="list-style-type: none">• Headlamp dimmer switch assy• Wire harness or connector• Multiplex network body ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE OF HAND-HELD TESTER

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch to the ON position and turn the hand-held tester main switch on.
- (c) Select the item below in the DATA LIST and read the display on hand-held tester.

BODY NO.1 (MULTIPLEX NETWORK BODY ECU):

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
HEAD LIGHT SW	Headlight control SW signal/ ON or OFF	ON: Light control switch is in HEAD position OFF: Light control switch is in except HEAD position	-
TAIL LIGHT SW	Tail light SW signal/ ON or OFF	ON: Light control switch is in TAIL position OFF: Light control switch is in except TAIL position	-

OK: Condition sign can be displayed.

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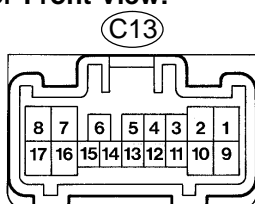
Go to step 2

OK

REPLACE MULTIPLEX NETWORK BODY ECU

2 INSPECT HEADLAMP DIMMER SWITCH ASSY

Connector Front View:



E11948

- (a) Inspect light control switch.
 - (1) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
14 - 16	TAIL	Below 1 Ω
13 - 16	HEAD	Below 1 Ω
14 - 16		

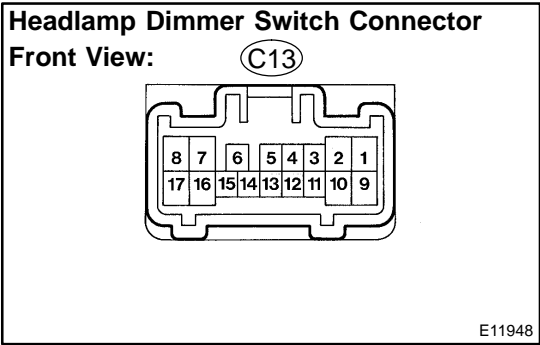
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**REPLACE HEADLAMP DIMMER SWITCH ASSY
(SEE PAGE 65-25)**

OK

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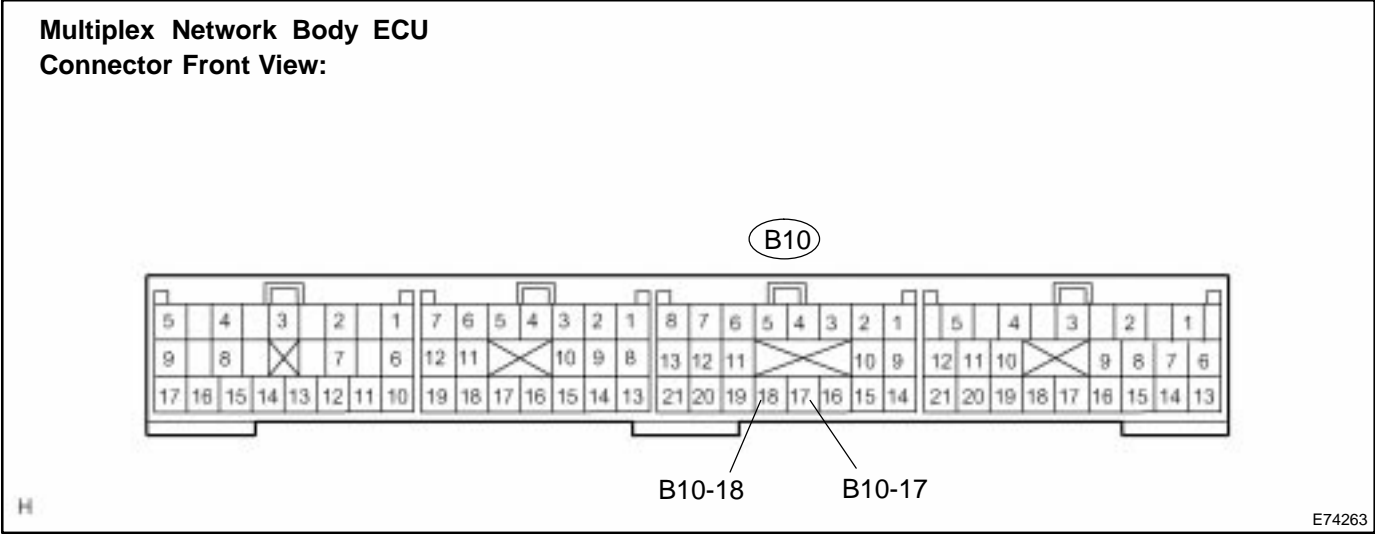
CHECK HARNESS AND CONNECTOR(HEADLAMP DIMMER SWITCH ASSY - MULTIPLEX NETWORK BODY ECU)



- (a)
- Disconnect the headlamp dimmer switch assy connector and B10 connector 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
C13-13 - B10-17	Always	Below 1 Ω
C13-14 - B10-18	Always	Below 1 Ω
B10-17 - Body ground	Always	10 kΩ or higher
B10-18 - Body ground	Always	10 kΩ or higher
C13-16 - Body ground	Always	Below 1 Ω



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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE MULTIPLEX NETWORK BODY ECU