

Light Control Switch Circuit**DESCRIPTION**

This circuit detects the state of the headlight dimmer switch.

1 READ VALUE OF INTELLIGENT TESTER

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch to the ON position and press the intelligent tester main switch ON.
- (c) Select the items below in the DATA LIST, and read the displays on the intelligent tester.

BODY

Item	Measurement/Display (Range)	Normal Condition	Diagnostic Note
DIMMER SW	Headlight dimmer SW signal/ON or OFF	ON: Headlight dimmer switch is in HI or FLASH position OFF: Headlight dimmer switch is in LO position	-
HIGH FLASHER SW	Headlight dimmer SW signal/ON or OFF	ON: Headlight dimmer switch is in FLASH position OFF: Headlight dimmer switch is in except FLASH position	-
F FOG LIGHT SW	Front fog light SW signal/ON or OFF	ON: Front fog light switch is in ON position OFF: Front fog light switch is OFF position	-
AUTO LIGHT SW	Auto light SW signal/ON or OFF	ON: Headlight dimmer switch is in AUTO position OFF: Headlight dimmer switch is in except AUTO position	-
HEAD LIGHT SW	Head light 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	Taillight SW signal/ON or OFF	ON: Light control switch is in TAIL or HEAD position OFF: Light control switch is in OFF position	-

NG**Go to step 2****OK****PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE****2 INSPECT HEADLIGHT DIMMER SWITCH ASSEMBLY**

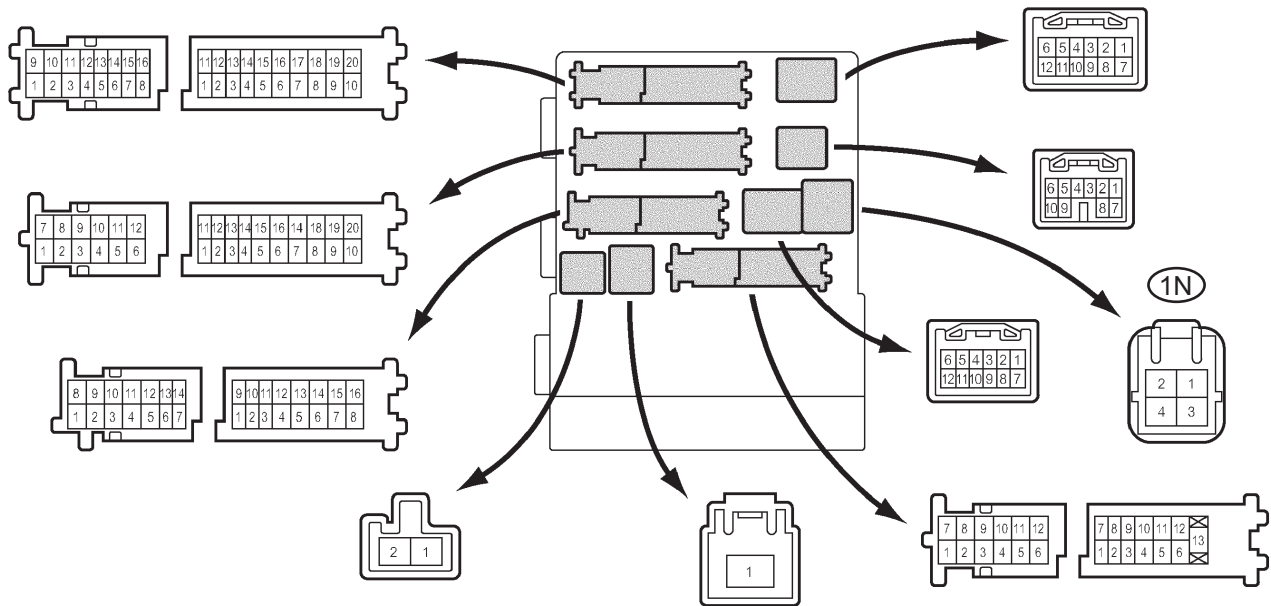
- (a) Inspect the headlight dimmer switch assembly (See page [LI-228](#)).

NG**REPLACE HEADLIGHT DIMMER SWITCH ASSEMBLY****OK****3 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY**

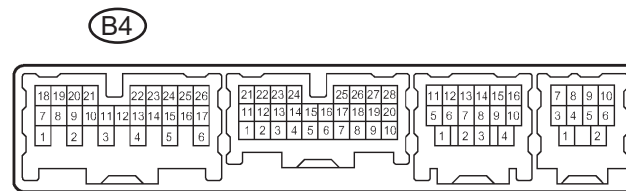
- (a) Measure the voltage according to the value(s) in the table below.

LI

Instrument Panel Junction Block Assembly Front Side Wire Harness View:



Multiplex Network Body ECU:



E111818E01

Voltage

Tester connection	Condition	Specified condition
1N-2 - Body ground	Headlight dimmer switch LOW → HIGH	10 to 14 V → Below 1 V
B4-15 - Body ground	Headlight dimmer switch LOW → FLASH	10 to 14 V → Below 1 V
B4-16 - Body ground	Light control switch OFF → AUTO	10 to 14 V → Below 1 V
B4-17 - Body ground	Light control switch OFF → TAIL	10 to 14 V → Below 1 V
B4-22 - Body ground	Front fog light switch OFF → ON	10 to 14 V → Below 1 V
B4-23 - Body ground	Light control switch OFF → HEAD	10 to 14 V → Below 1 V

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE