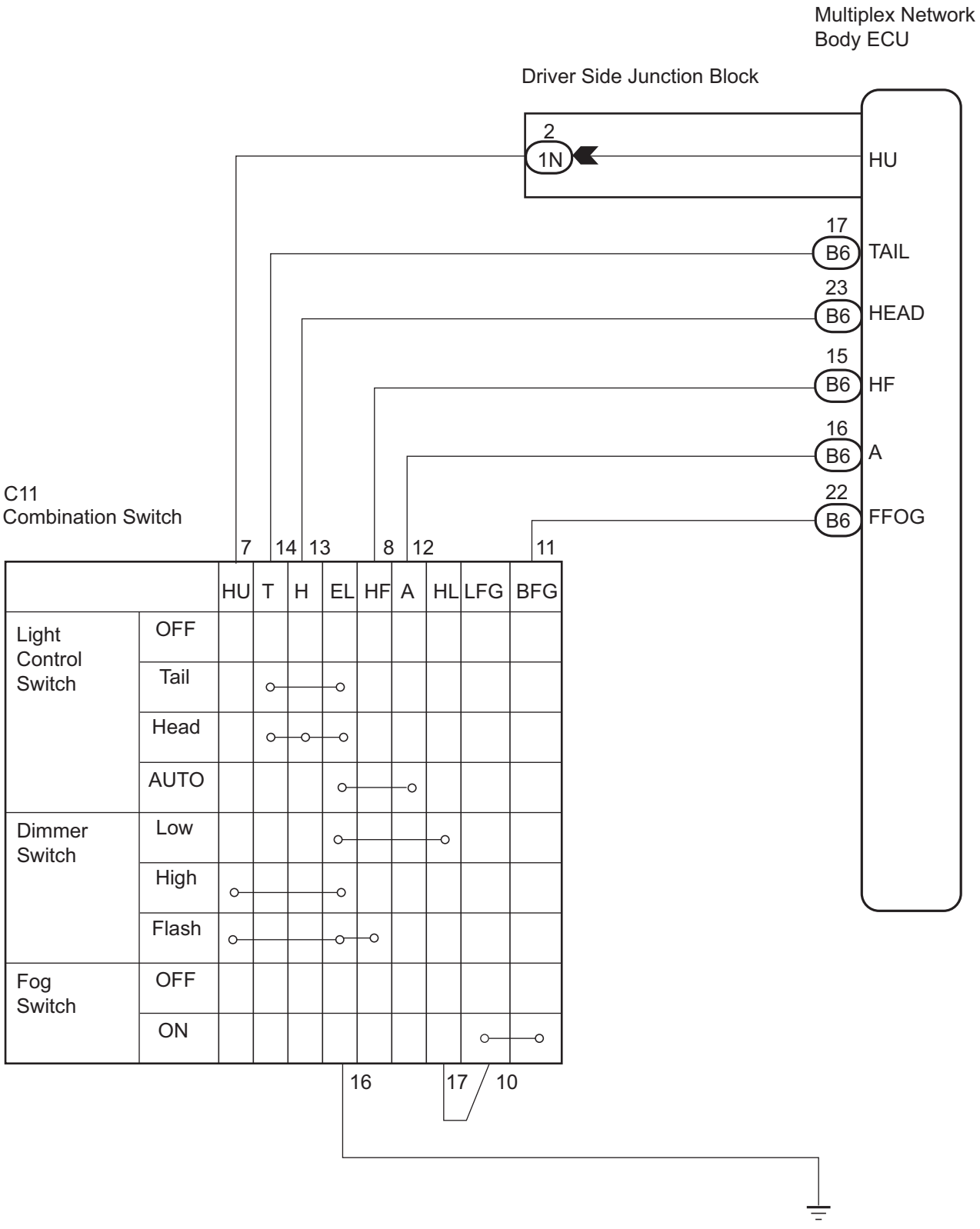
Light Control Switch Circuit

DESCRIPTION

This circuit detects the state of the headlight dimmer switch.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER

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

BODY NO.1:

Item	Measurement Item / 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 when headlight dimmer switch is LOW OFF: Front fog light switch is in 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	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 or HEAD position OFF: Light control switch is in OFF position	-

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**

NG

2	INSPECT HEADLIGHT DIMMER SWITCH ASSEMBLY

(a) Inspect headlight dimmer switch assembly (See page LI-102).

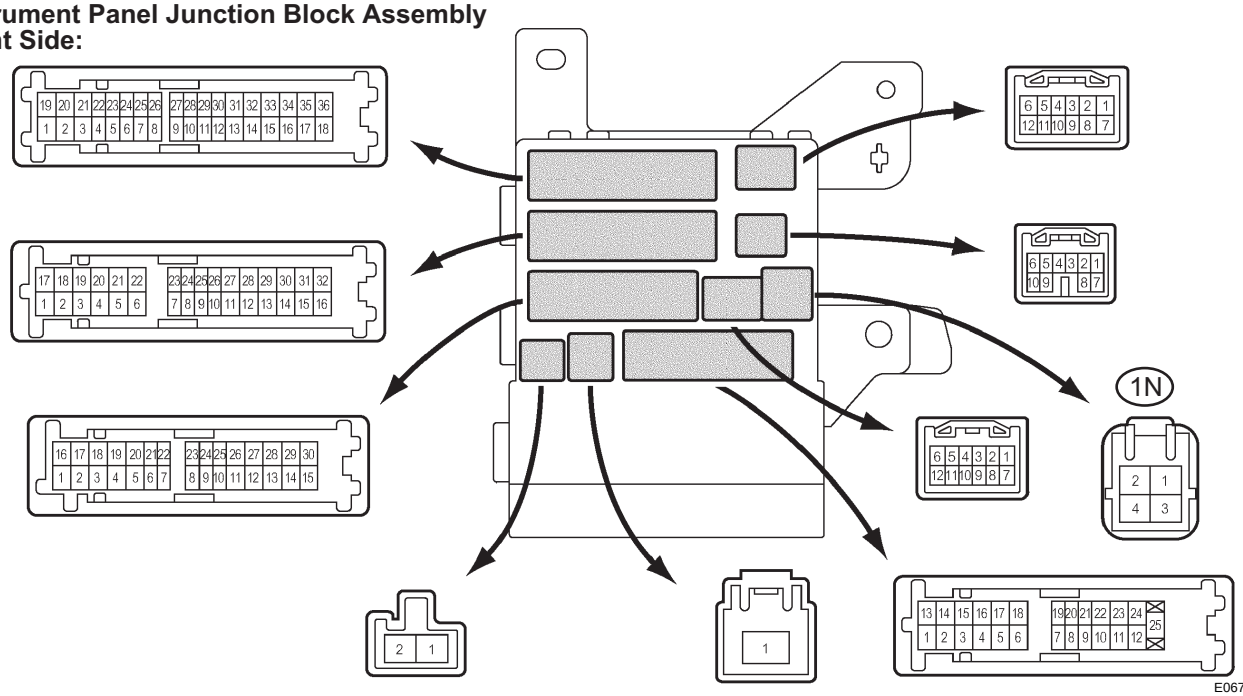
NG → **REPLACE HEADLIGHT DIMMER SWITCH ASSEMBLY**

OK

3	INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

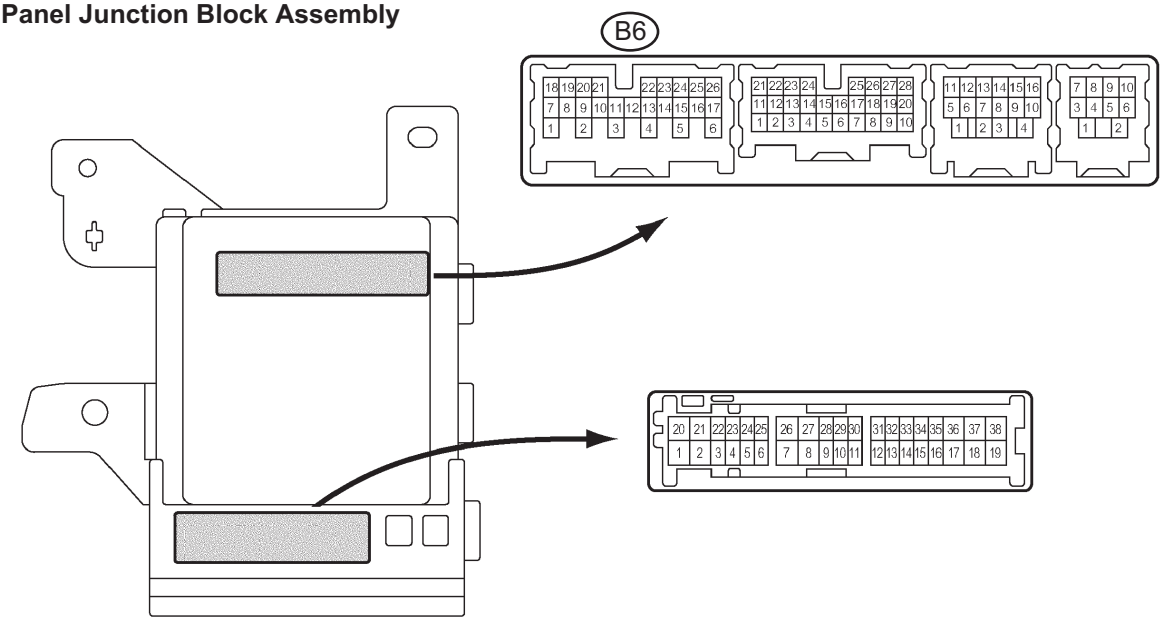
(a) Remove the instrument panel junction block assembly.

Instrument Panel Junction Block Assembly
Fornt Side:



(b) Measure voltage between the each of terminals as shown in the chart below.

Instrument Panel Junction Block Assembly
Back Side:



Voltage

Tester Connection	Condition	Specified Condition
1N-2 - Body ground	Headlight dimmer switch LOW → HIGH	10 to 14 V → Below 1 V
B6-15 - Body ground	Headlight dimmer switch LOW → FLASH	10 to 14 V → Below 1 V
B6-16 - Body ground	Light control switch OFF → AUTO	10 to 14 V → Below 1 V
B6-17 - Body ground	Light control switch OFF → TAIL	10 to 14 V → Below 1 V
B6-22 - Body ground	Fog lamp switch OFF → ON	10 to 14 V → Below 1 V
B6-23 - Body ground	Light control switch OFF → HEAD	10 to 14 V → Below 1 V

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE