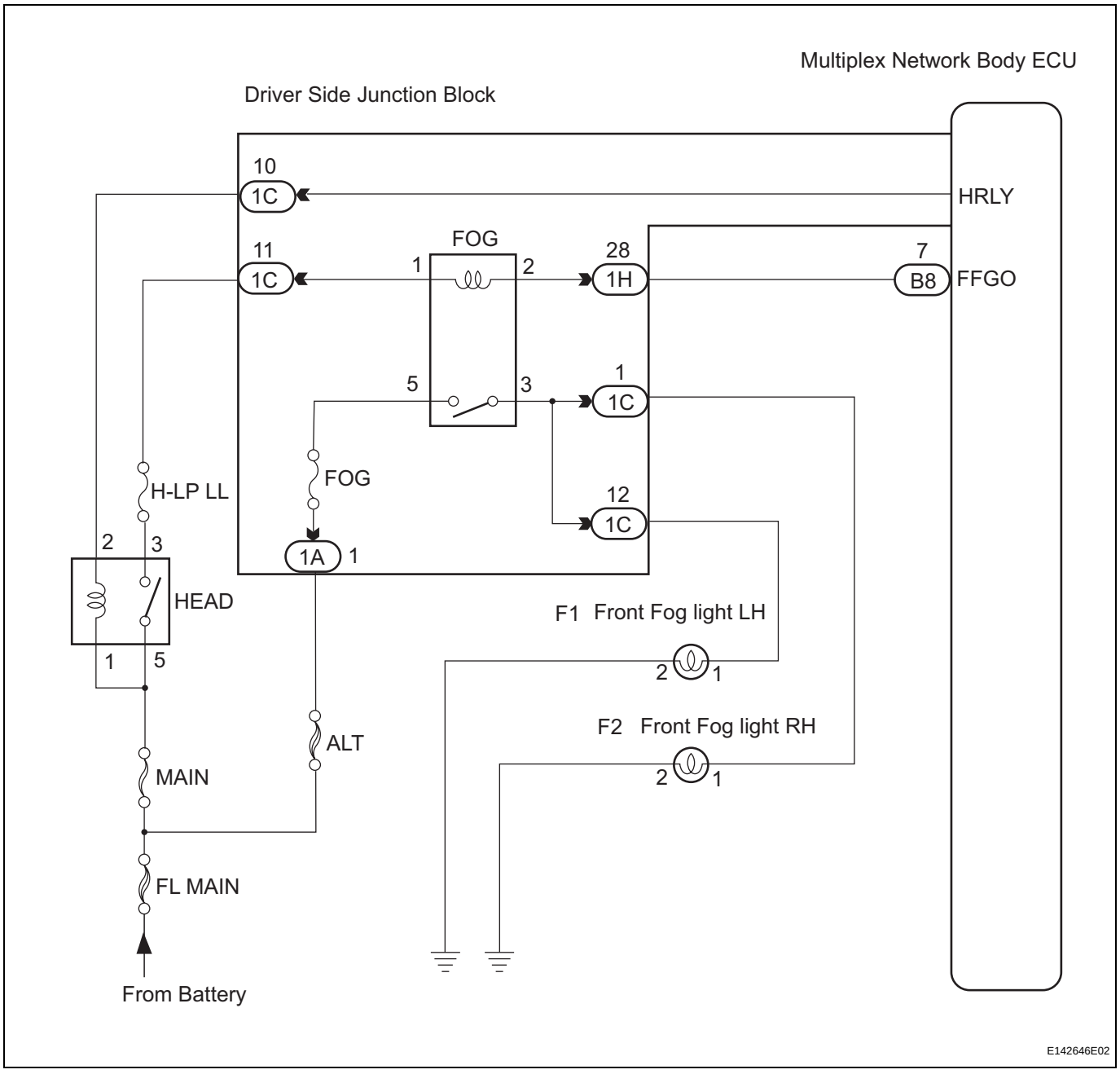
Front Fog Light Circuit

DESCRIPTION

The Multiplex network body ECU controls FOG relay when signal is received from headlight dimmer switch assembly.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST BY INTELLIGENT TESTER

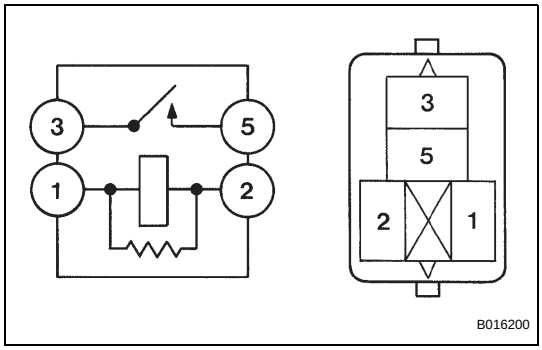
(a) Connect the intelligent tester to DLC3.

(b) Turn the ignition switch ON and push the intelligent tester main switch ON.
(c) Select the item below in the ACTIVE TEST and then check that the relay operates.

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

NG

2 INSPECT FOG LIGHT RELAY



(a) Inspect fog light relay continuity.
Standard

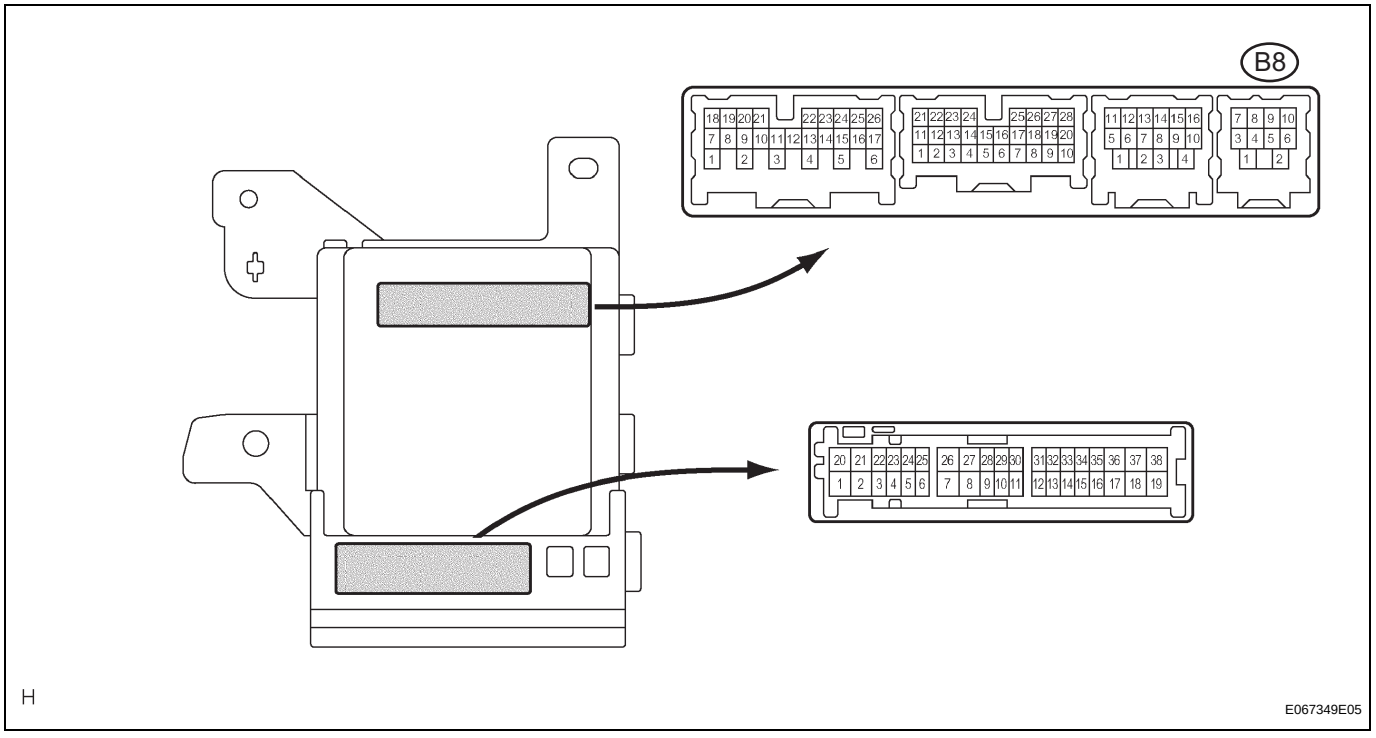
Condition	Tester Connection	Specified Condition
Always	3 - 5	10 kΩ or higher
Apply B+ between the terminal 1 and 2	3 - 5	Below 1 Ω

NG → **REPLACE FOG LIGHT RELAY**

OK

3 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

(a) Measure voltage between the terminal B8-7 of the multiplex network body ECU in the instrument panel junction block assembly and body ground.



Voltage

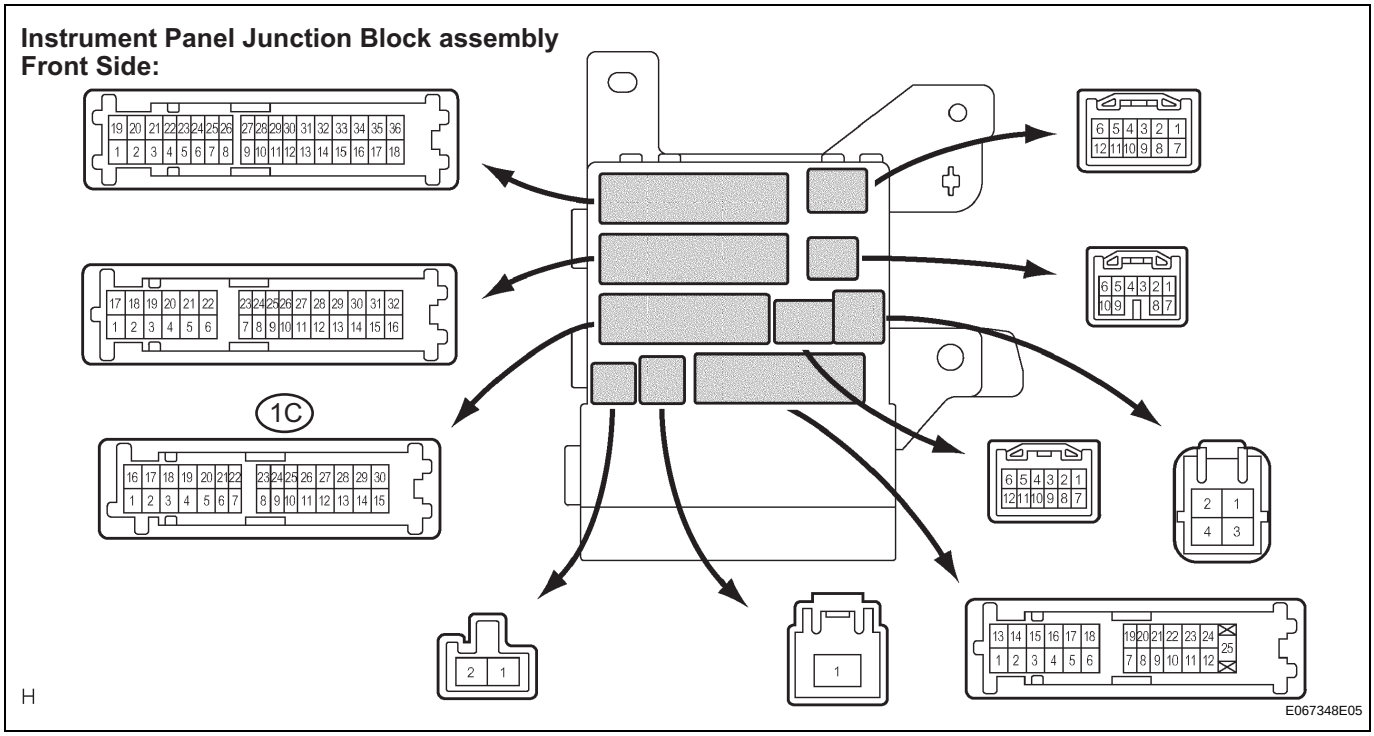
Tester Connection (Symbols)	Condition	Specified Condition
B8-7 - Body ground	Light control switch TAIL and Fog light switch ON	Below 1 V
B8-7 - Body ground	Light control switch TAIL and Fog light switch ON	10 to 14 V

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

OK

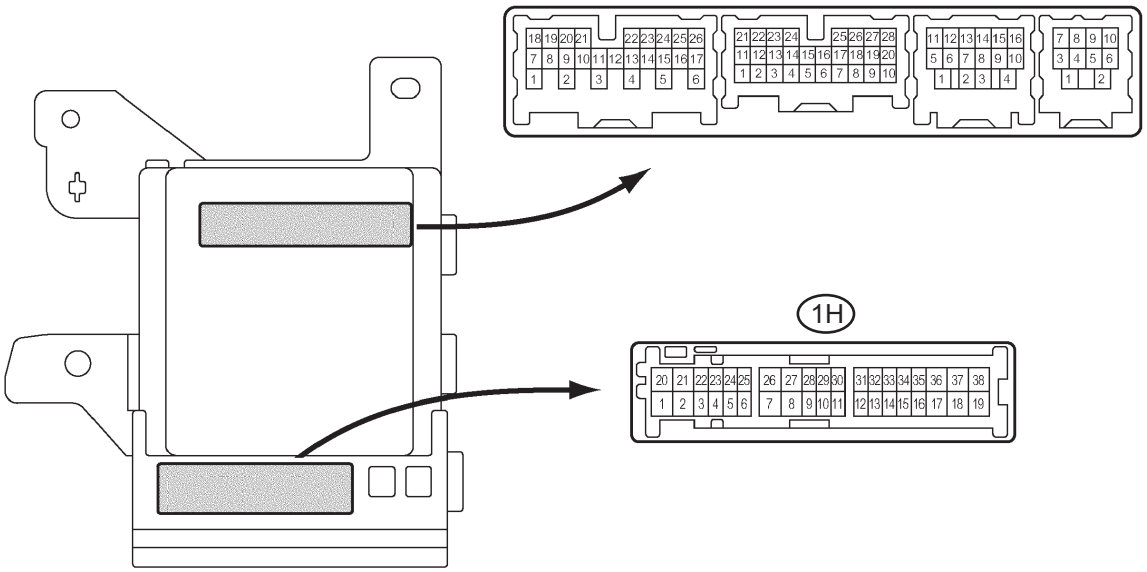
4	INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

(a) Remove the instrument panel junction block assembly.



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

Instrument Panel Junction Block Assembly
Back Side:



H

E067349E06

Voltage

Tester Connection (Symbols)	Condition	Specified Condition
1C-1 - Body ground	Light control switch TAIL and Fog light switch OFF	Below 1 V → 10 to 14 V
1C-12 - Body ground	Light control switch TAIL and Fog light switch OFF	Below 1 V → 10 to 14 V
1H-28 - Body ground	Light control switch TAIL and Fog light switch OFF	10 to 14 V → Below 1 V

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

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR