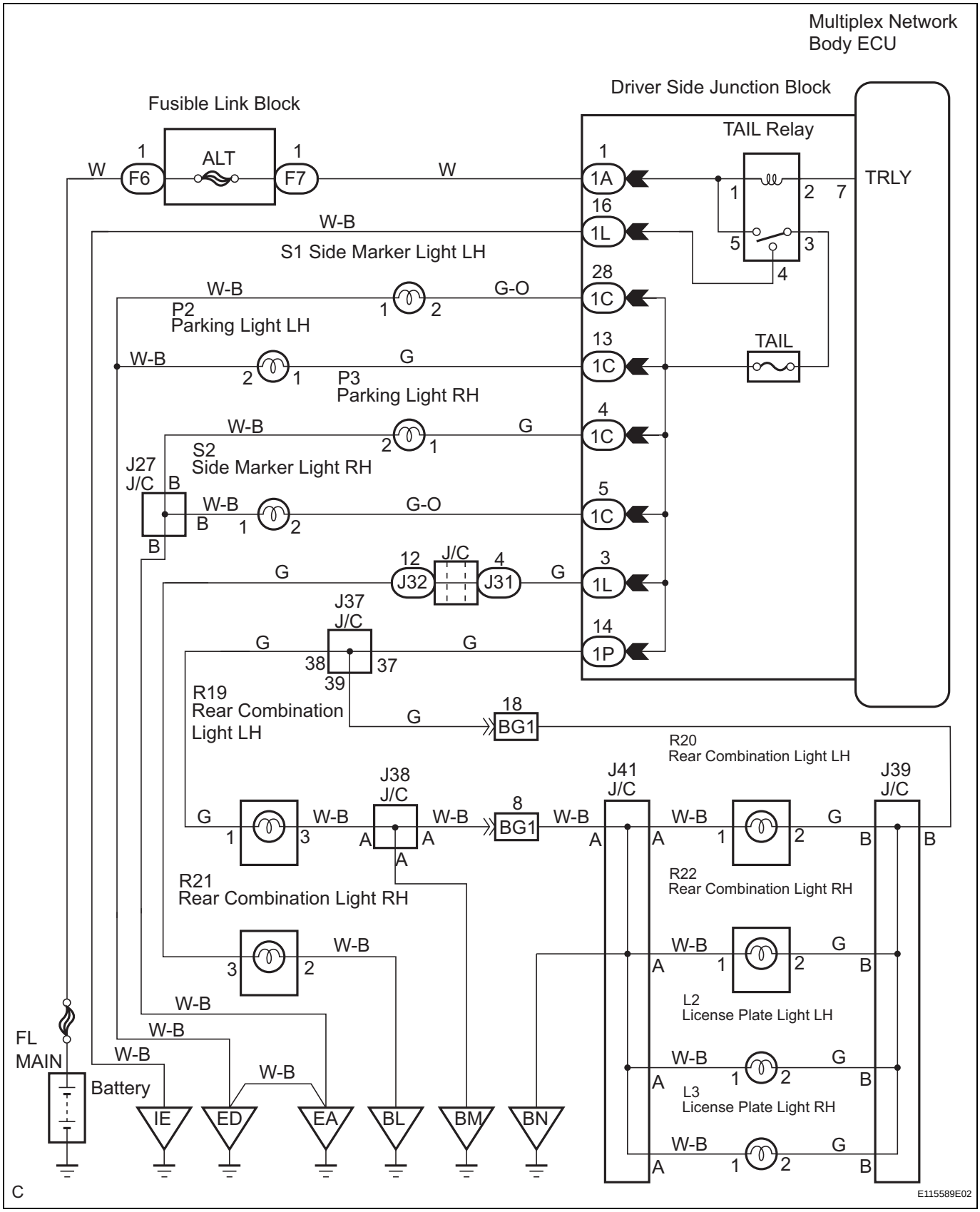
Taillight Relay Circuit

DESCRIPTION

The Multiplex network body ECU controls TAIL 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.

BODY NO.1:

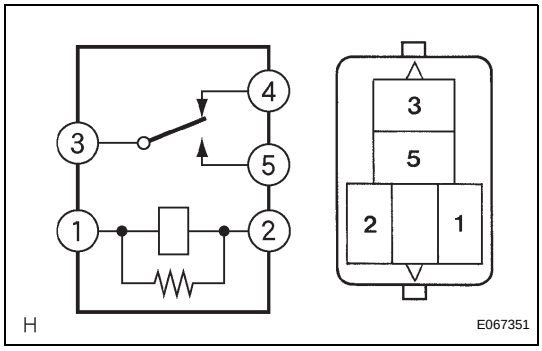
Item	Test Details	Diagnostic Note
TAIL LIGHT	Turn Tail light relay ON / OFF	-

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

NG

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2	INSPECT TAIL LIGHT RELAY



(a) Inspect tail light relay continuity.
Resistance

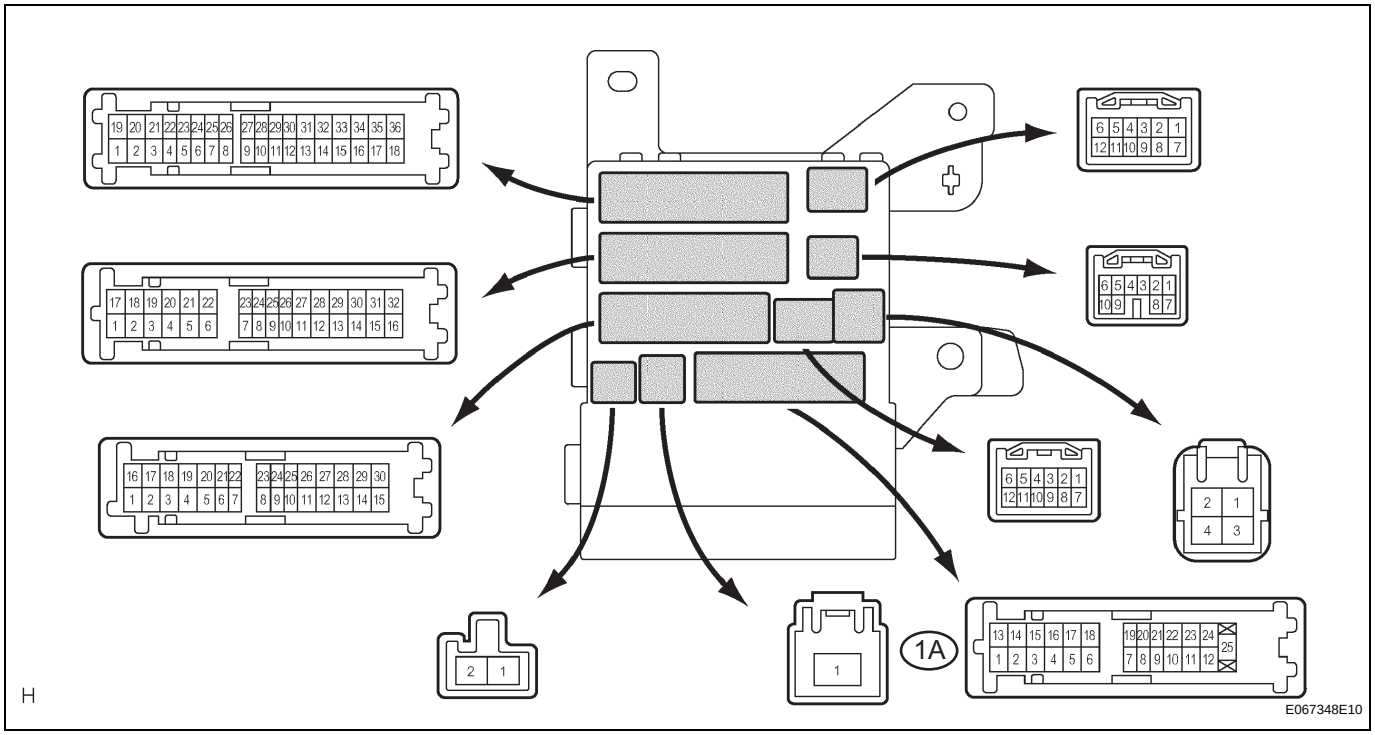
Condition	Tester Connection	Specified Condition
Always	1 - 2 3 - 4	Below 1 Ω
Always	3 - 5	10 kΩ or higher
Apply B+ between the terminal 1 and 2	3 - 5	Below 1 Ω

NG → **REPLACE TAIL LIGHT RELAY**

OK

3	INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

(a) Measure voltage between the terminal 1A-1 and body ground.



Resistance

Tester Connection	Specified Condition
1A-1 - Body ground	10 to 14 V

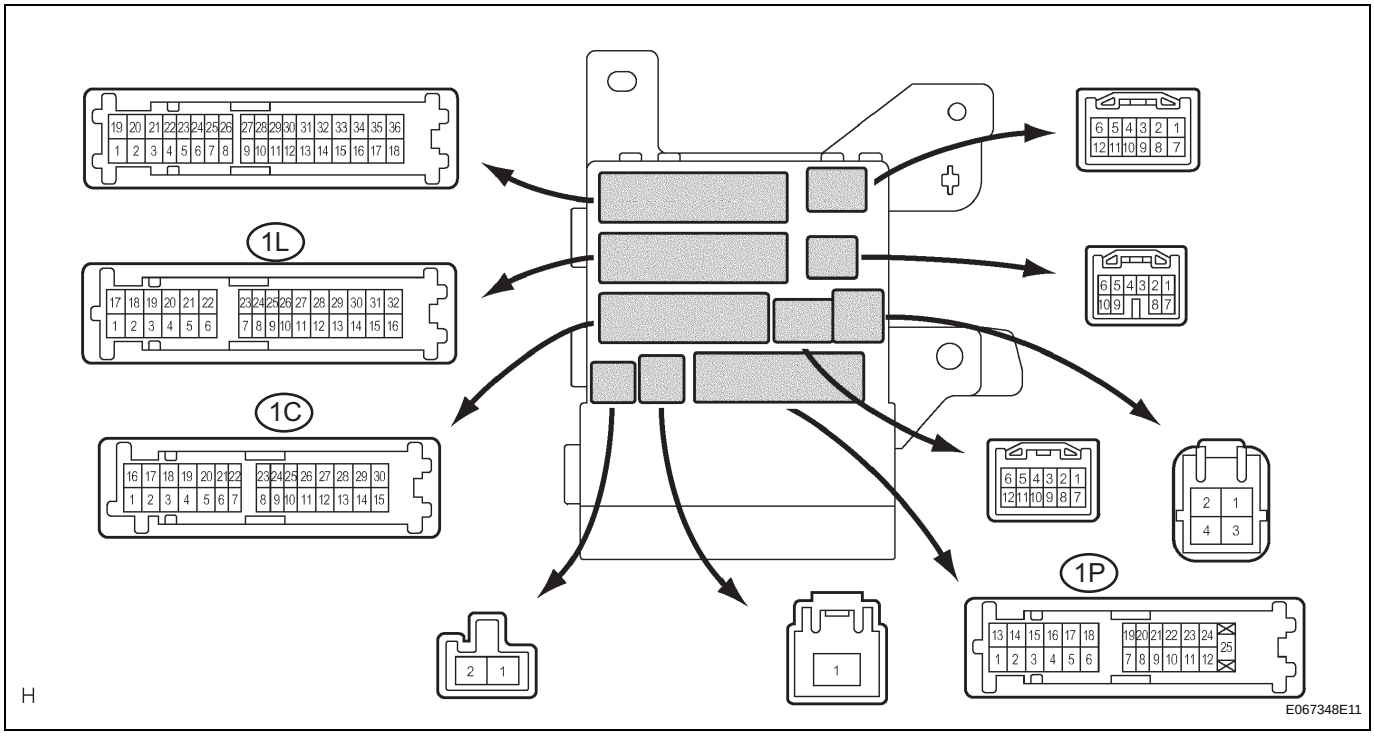
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4	INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

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

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Voltage

Tester Connection	Condition	Specified Condition
1L-16 - 1C-4	Light control switch OFF → TAIL	Below 1 V → 10 to 14V
1L-16 - 1C-5	Light control switch OFF → TAIL	Below 1 V → 10 to 14V
1L-16 - 1C-13	Light control switch OFF → TAIL	Below 1 V → 10 to 14V
1L-16 - 1C-28	Light control switch OFF → TAIL	Below 1 V → 10 to 14V
1L-16 - 1L-3	Light control switch OFF → TAIL	Below 1 V → 10 to 14V
1L-16 - 1P-14	Light control switch OFF → TAIL	Below 1 V → 10 to 14V

OK → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

NG

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE