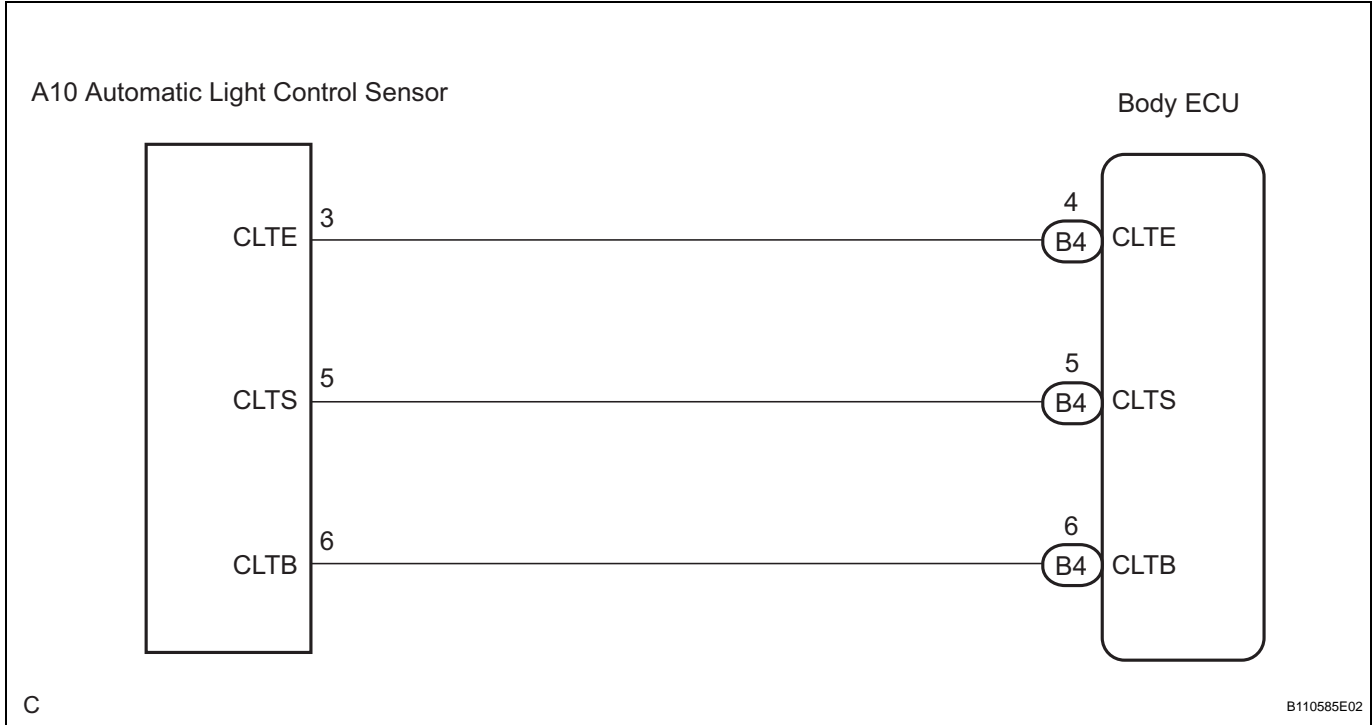


Automatic Light Control Sensor Circuit

DESCRIPTION

The body ECU receives the signal from the automatic light control sensor.

WIRING DIAGRAM



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 Item/ Display (Range)	Normal Condition	Diagnostic Note
ILLUMINATE RATE	Illuminate rate/ON or OFF	ON: Illuminate rate ON OFF: Illuminate rate OFF	-

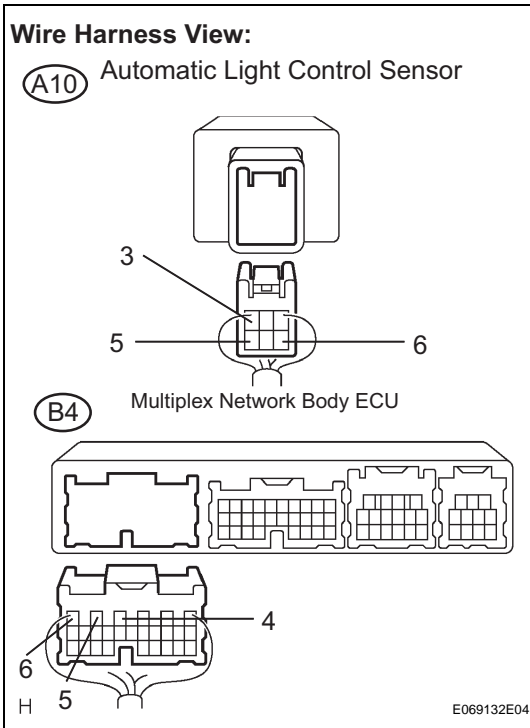
NG

Go to step 2

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

2 CHECK HARNESS AND CONNECTOR (MULTIPLEX NETWORK BODY ECU - AUTOMATIC LIGHT CONTROL SENSOR)



- (a) Disconnect the automatic light control sensor connector and multiplex network body ECU connector.
- (b) Measure the resistance according to the value(s) in the table below.

Resistance

Tester connection	Condition	Specified condition
CLTE (A10-3) - CLTE (B4-4)	Always	Below 1 Ω
CLTS (A10-5) - CLTS (B4-5)	Always	Below 1 Ω
CLTB (A10-6) - CLTB (B4-6)	Always	Below 1 Ω
CLTE (B4-4) - Body ground	Always	10 kΩ or higher
CLTS (B4-5) - Body ground	Always	10 kΩ or higher
CLTB (B4-6) - Body ground	Always	10 kΩ or higher

NG

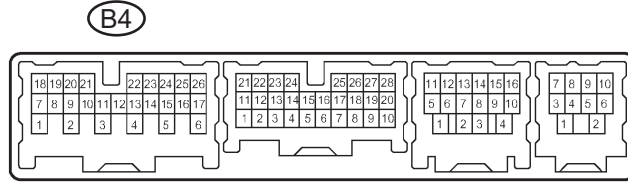
REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

3 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

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

Multiplex Network Body ECU:



E068632E02

Voltage

Tester connection	Condition	Specified voltage
CLTE (B4-4) - CLTB (B4-6)	Ignition switch OFF → ON	Below 1 V → 10 to 14 V

NG

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

OK

REPLACE AUTOMATIC LIGHT CONTROL SENSOR