

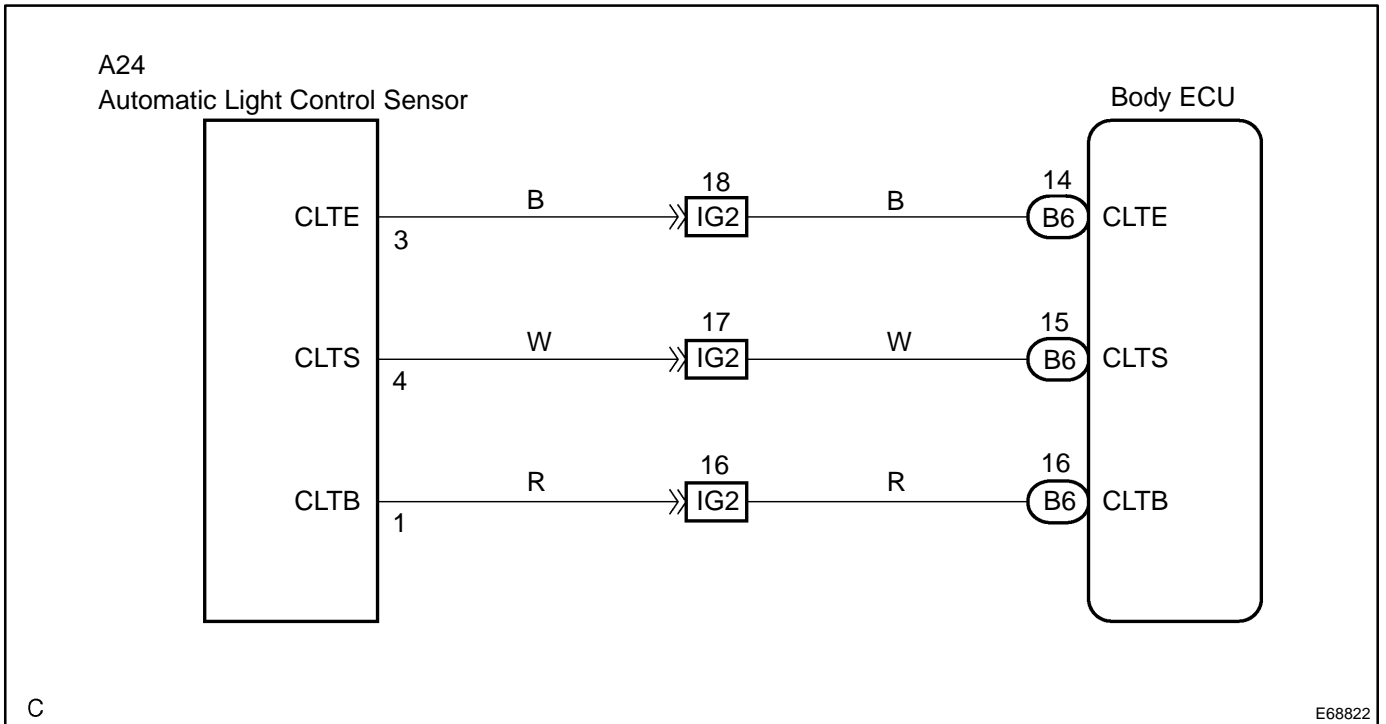
DTC	B1244	LIGHT SENSOR CIRCUIT MALFUNCTION
------------	--------------	---

CIRCUIT DESCRIPTION

This DTC is output when a failure in the light sensor circuit is detected.

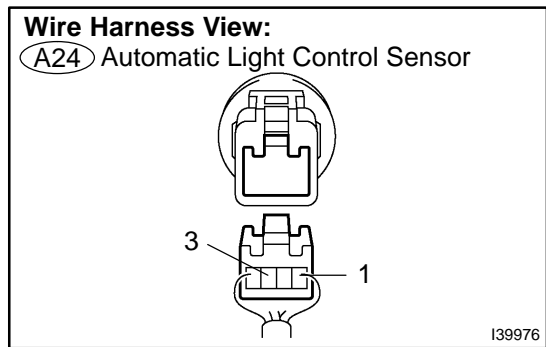
DTC No.	DTC Detecting Condition	Trouble Area
B1244	<ul style="list-style-type: none"> • Malfunction in automatic light control sensor • Open or short in automatic light control sensor circuit 	<ul style="list-style-type: none"> • Automatic light control sensor • Harness or connector • Multiplex network body ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR(AUTOMATIC LIGHT CONTROL SENSOR POWER SOURCE CIRCUIT)
----------	---



- (a) Disconnect the automatic light control sensor connector.
- (b) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A24-1 - A24-3	Power switch ON (IG)	10 to 14 V

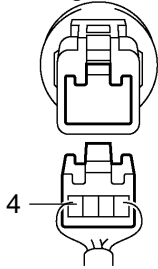
NG	Go to step 4
-----------	---------------------

OK

2 CHECK HARNESS AND CONNECTOR(INSTRUMENT PANEL JUNCTION BLOCK ASSY - AUTOMATIC LIGHT CONTROL SENSOR)

Wire Harness View:

(A24) Automatic Light Control Sensor



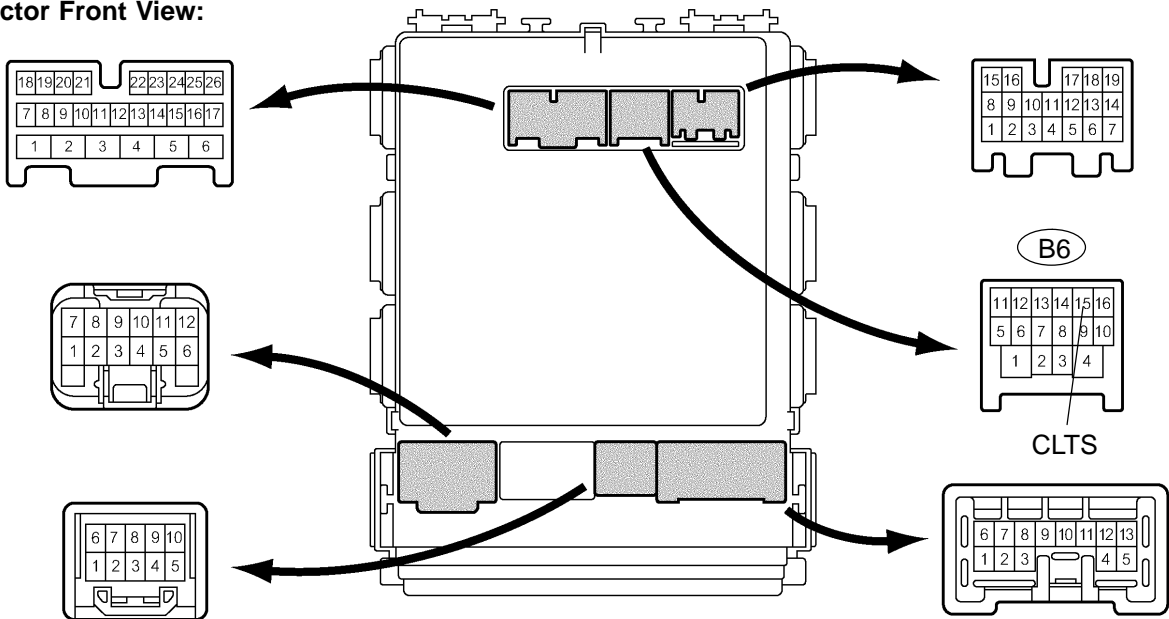
139976

- (a) Disconnect the B6 connector from the multiplex network body ECU.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A24-4 - B6-15	Always	Below 1 Ω

Instrument Panel Junction Block Connector Front View:



H

139973

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

3 REPLACE AUTOMATIC LIGHT CONTROL SENSOR

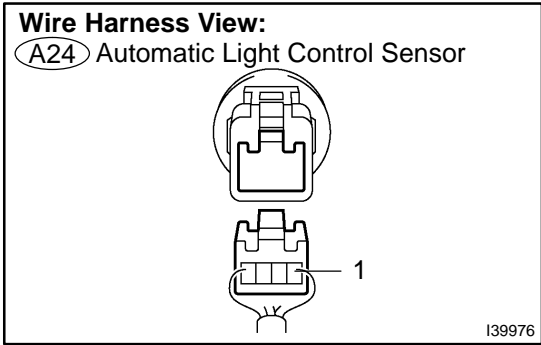
OK: Returns to normal operation.

NG REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY

OK

END

4 CHECK HARNESS AND CONNECTOR(INSTRUMENT PANEL JUNCTION BLOCK ASSY - AUTOMATIC LIGHT CONTROL SENSOR)



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

Standard:

Tester connection	Condition	Specified condition
A24-1 - Body ground	Power switch ON (IG)	10 to 14 V

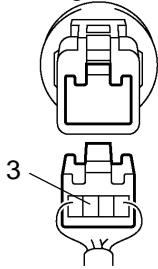
NG Go to step 6

OK

5 CHECK HARNESS AND CONNECTOR(INSTRUMENT PANEL JUNCTION BLOCK ASSY - AUTOMATIC LIGHT CONTROL SENSOR)

Wire Harness View:

(A24) Automatic Light Control Sensor



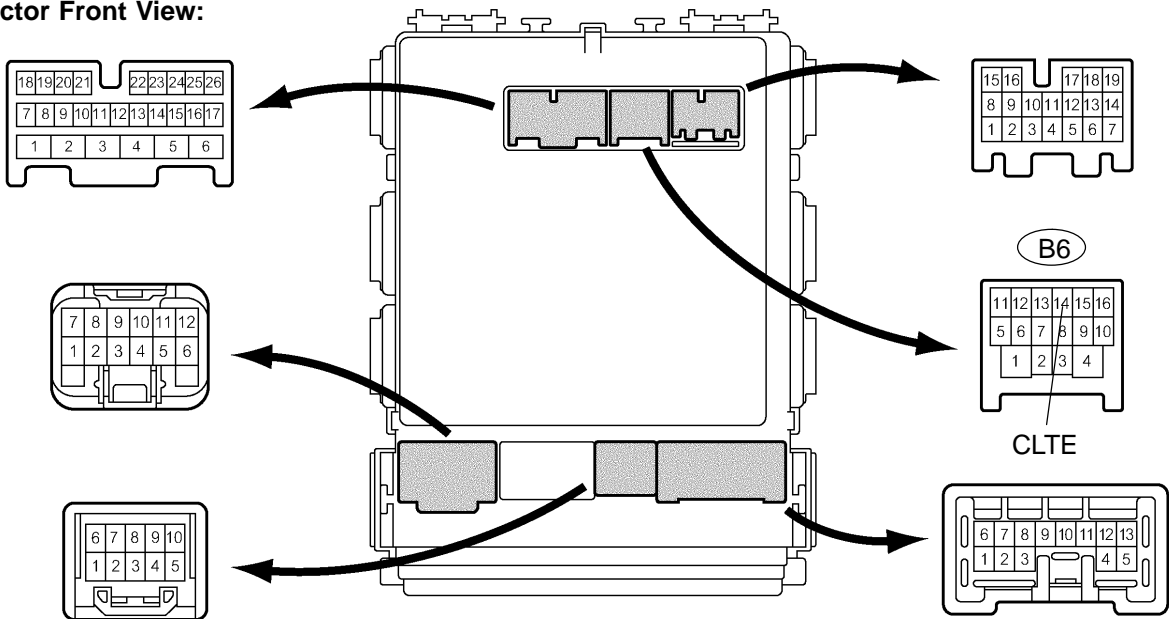
139976

- (a) Disconnect the B6 connector from the instrument panel junction block.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A24-3 - B6-14	Always	Below 1 Ω

Instrument Panel Junction Block Connector Front View:



H

139973

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

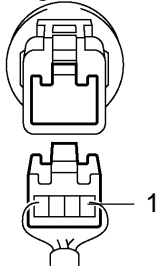
OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY

6 CHECK HARNESS AND CONNECTOR(INSTRUMENT PANEL JUNCTION BLOCK ASSY – AUTOMATIC LIGHT CONTROL SENSOR)

Wire Harness View:

(A24) Automatic Light Control Sensor



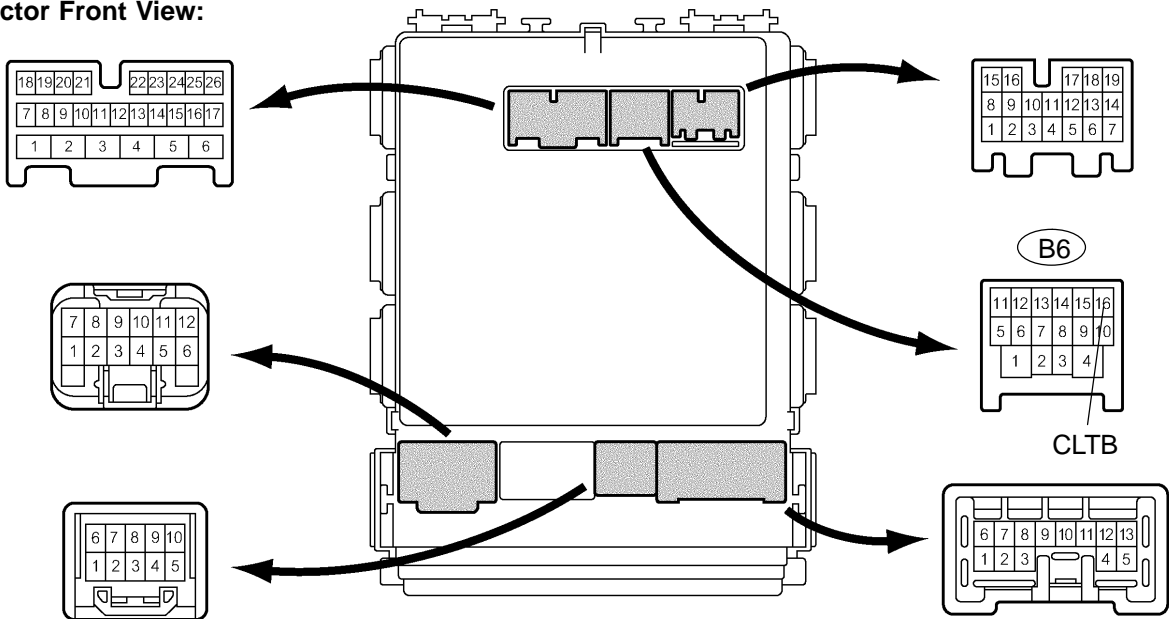
139976

- (a) Disconnect the B6 connector from the instrument panel junction block assy.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A24-1 – B6-16	Always	Below 1 Ω

Instrument Panel Junction Block Connector Front View:



H

139973

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY