

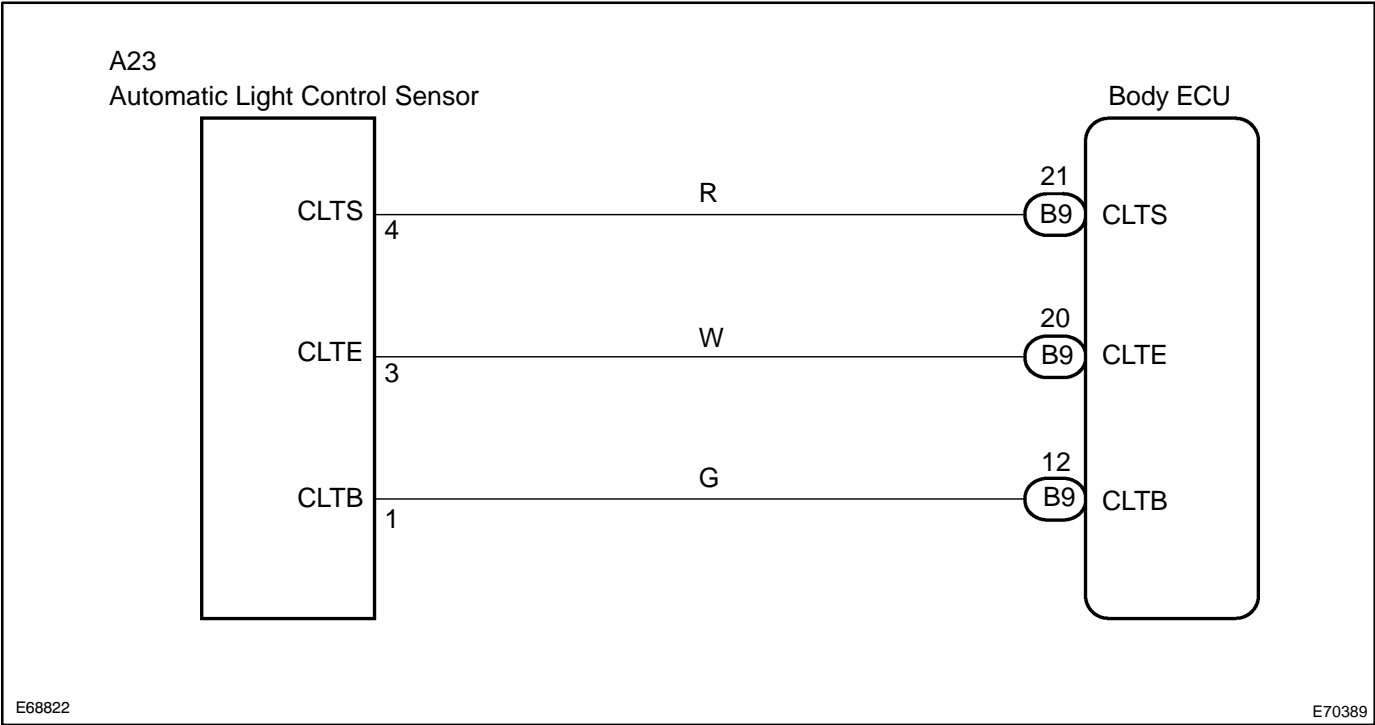
DTC	B1244	LIGHT SENSOR CIRCUIT MALFUNCTION
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CIRCUIT DESCRIPTION

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

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

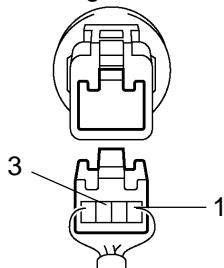
WIRING DIAGRAM



## INSPECTION PROCEDURE

**1 CHECK HARNESS AND CONNECTOR(AUTOMATIC LIGHT CONTROL SENSOR POWER SOURCE CIRCUIT)**
**Wire Harness View:**

(A23) Automatic Light Control Sensor



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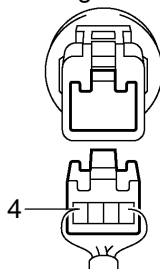
- (a) Disconnect the automatic light control sensor connector.  
 (b) Measure the voltage according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
A23-1 - A23-3	Ignition switch ON	10 to 14 V

**NG****Go to step 4****OK**
**2 CHECK HARNESS AND CONNECTOR(MULTIPLEX NETWORK BODY ECU - AUTOMATIC LIGHT CONTROL SENSOR)**
**Wire Harness View:**

(A23) Automatic Light Control Sensor

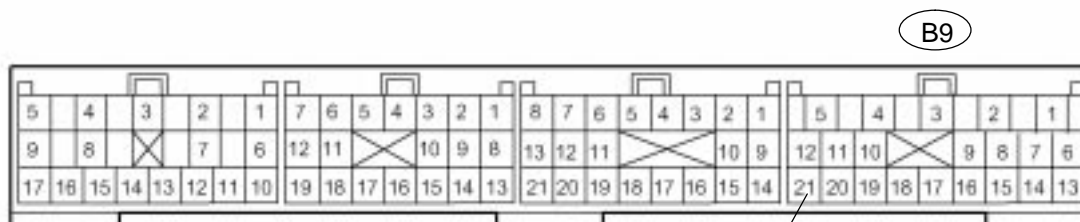


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- (a) Disconnect the B9 connector from the multiplex network body ECU.  
 (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
A23-4 - B9-21	Always	Below 1 $\Omega$

**Multiplex Network Body ECU  
 Connector Front View:**


H

E74263

**NG****REPAIR OR REPLACE HARNESS OR CONNECTOR****OK**

3

REPLACE AUTOMATIC LIGHT CONTROL SENSOR

OK: Return to normal condition.

NG

REPLACE MULTIPLEX NETWORK BODY ECU

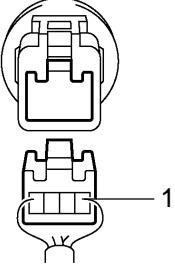
OK

END

4

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

**Wire Harness View:**  
**A23** Automatic Light Control Sensor



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

**Standard:**

Tester connection	Condition	Specified condition
A23-1 - Body ground	Ignition switch ON	10 to 14 V

NG

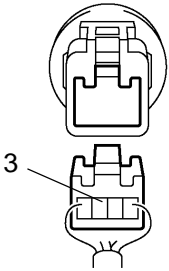
Go to step 6

OK

5

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

Wire Harness View:  
(A23) Automatic Light Control Sensor



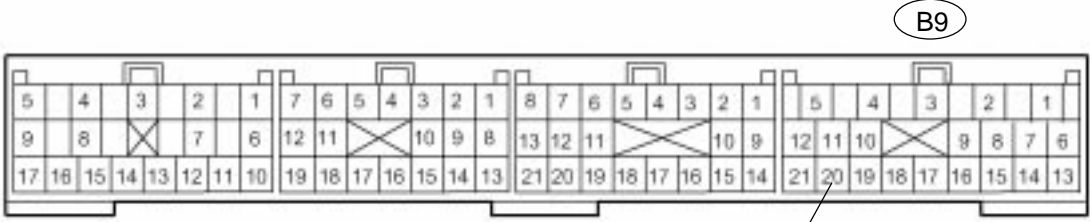
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- (a) Disconnect the B9 connector from the multiplex network body ECU.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A23-3 - B9-20	Always	Below 1 Ω

Multiplex Network Body ECU  
Connector Front View:



H

B9-20

E74263

NG

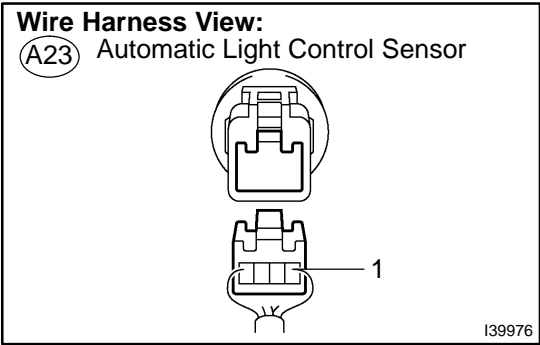
REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE MULTIPLEX NETWORK BODY ECU

6

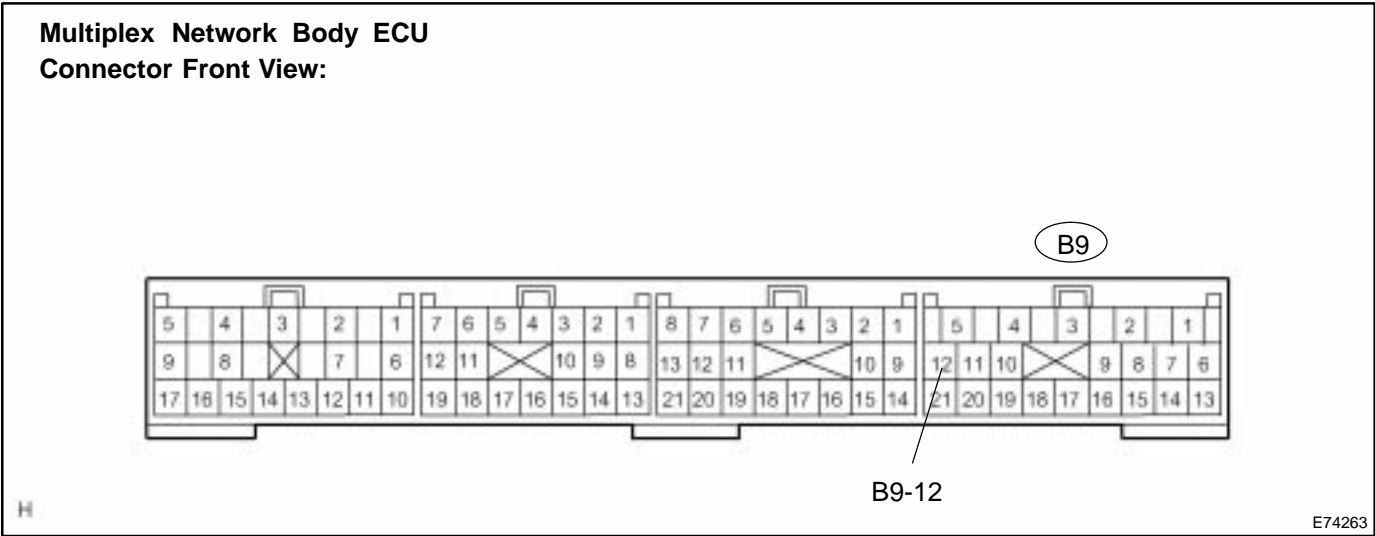
CHECK HARNESS AND CONNECTOR(MULTIPLEX NETWORK BODY ECU -  
AUTOMATIC LIGHT CONTROL SENSOR)



- (a) Disconnect the B9 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
A23-1 - B9-12	Always	Below 1 Ω



NG

REPAIR OR  
CONNECTOR

REPLACE HARNESS OR

OK

REPLACE MULTIPLEX NETWORK BODY ECU