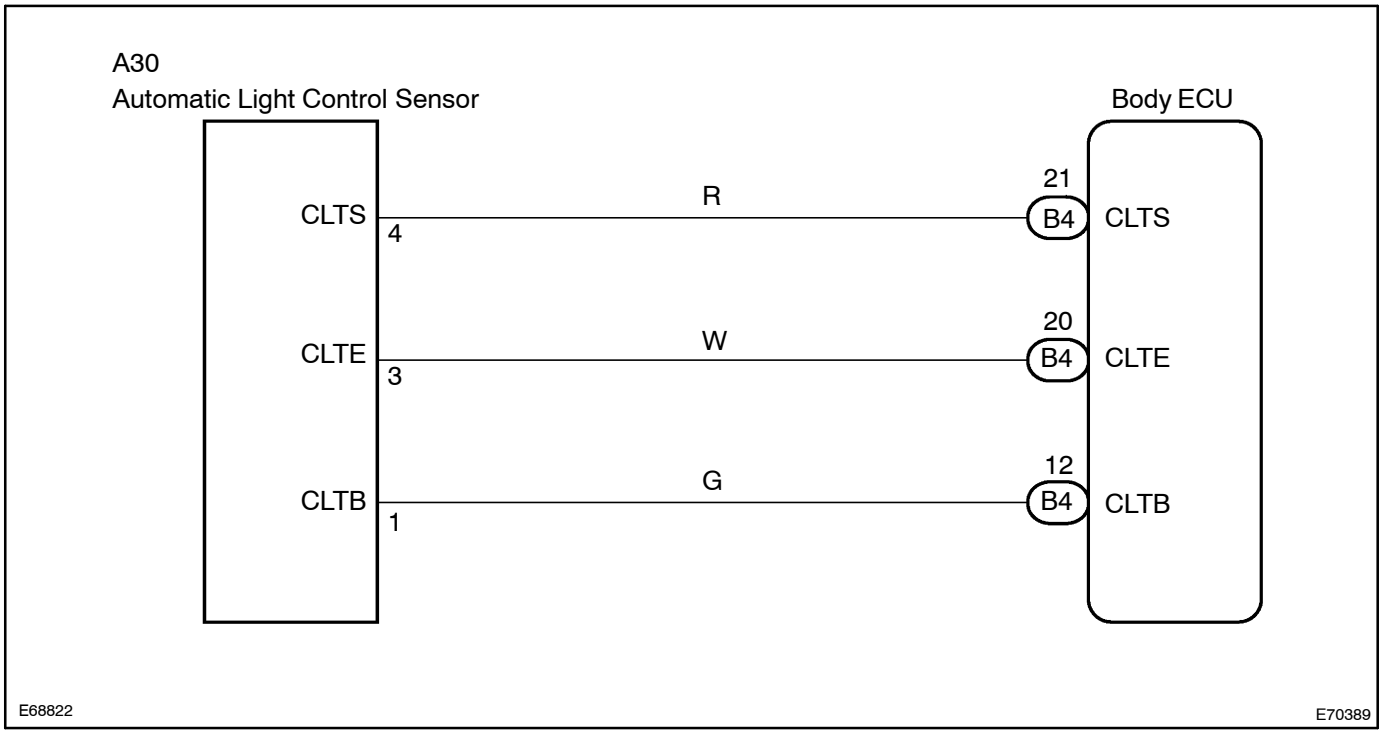
DTC B1244 LIGHT SENSOR CIRCUIT MALFUNCTION

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	• Malfunction of automatic light control sensor • Open or short in automatic light control sensor circuit	• Automatic light control sensor • Wire harness or connector • Multiplex network body ECU

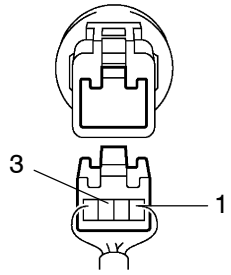
WIRING DIAGRAM



INSPECTION PROCEDURE

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

Wire Harness View:
A30 Automatic Light Control Sensor



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

Standard:

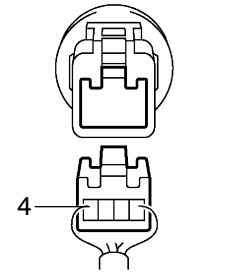
Tester connection	Condition	Specified condition
A30–1 – A30–3	Ignition switch ON	10 to 14 V

NG → **Go to step 4**

OK

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

Wire Harness View:
A30 Automatic Light Control Sensor

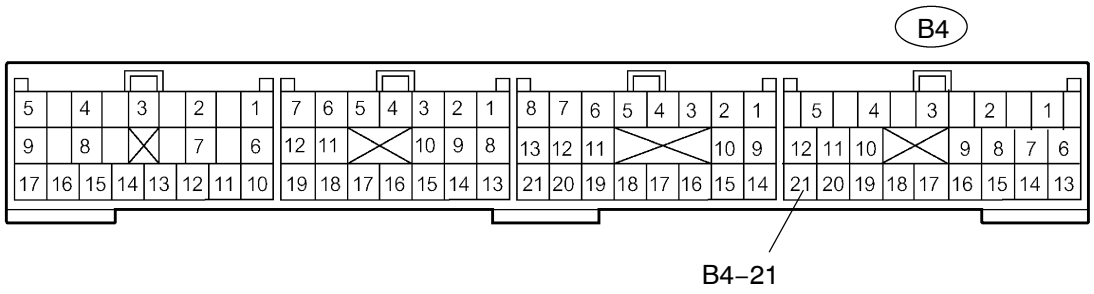


(a) Disconnect the B4 connector from the multiplex network body ECU.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A30–4 – B4–21	Always	Below 1 Ω
A30–4 – Body ground	Always	10 kΩ or higher

Multiplex Network Body ECU
Connector Front View:



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

OK

3	REPLACE AUTOMATIC LIGHT CONTROL SENSOR

OK: Return to normal condition.

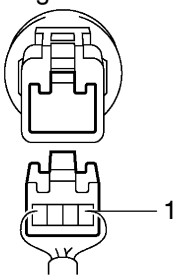
NG > **REPLACE MULTIPLEX NETWORK BODY ECU**

OK

END

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

Wire Harness View:
A30 Automatic Light Control Sensor



I39976

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

Standard:

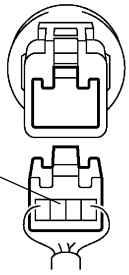
Tester connection	Condition	Specified condition
A30–1 – Body ground	Ignition switch ON	10 to 14 V

NG > **Go to step 6**

OK

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

Wire Harness View:
A30 Automatic Light Control Sensor



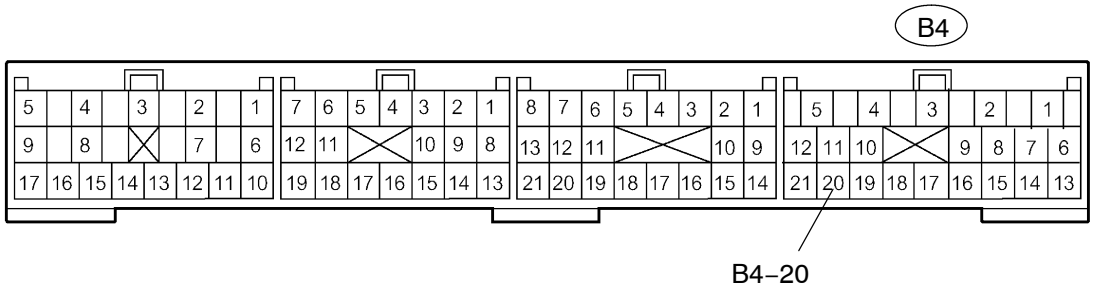
(a) Disconnect the B4 connector from the multiplex network body ECU.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A30–3 – B4–20	Always	Below 1 Ω

Multiplex Network Body ECU
Connector Front View:



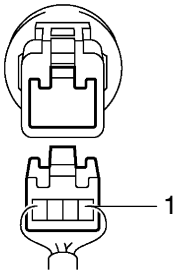
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

REPLACE MULTIPLEX NETWORK BODY ECU

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

Wire Harness View:
A30 Automatic Light Control Sensor

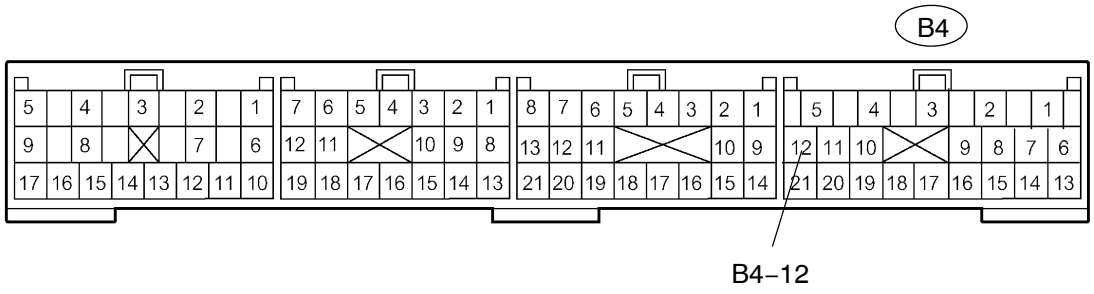


(a) Disconnect the B4 connector from the multiplex network body ECU.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A30–1 – B4–12	Always	Below 1 Ω
A30–1 – Body ground	Always	10 kΩ or higher

Multiplex Network Body ECU
Connector Front View:



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

OK

REPLACE MULTIPLEX NETWORK BODY ECU