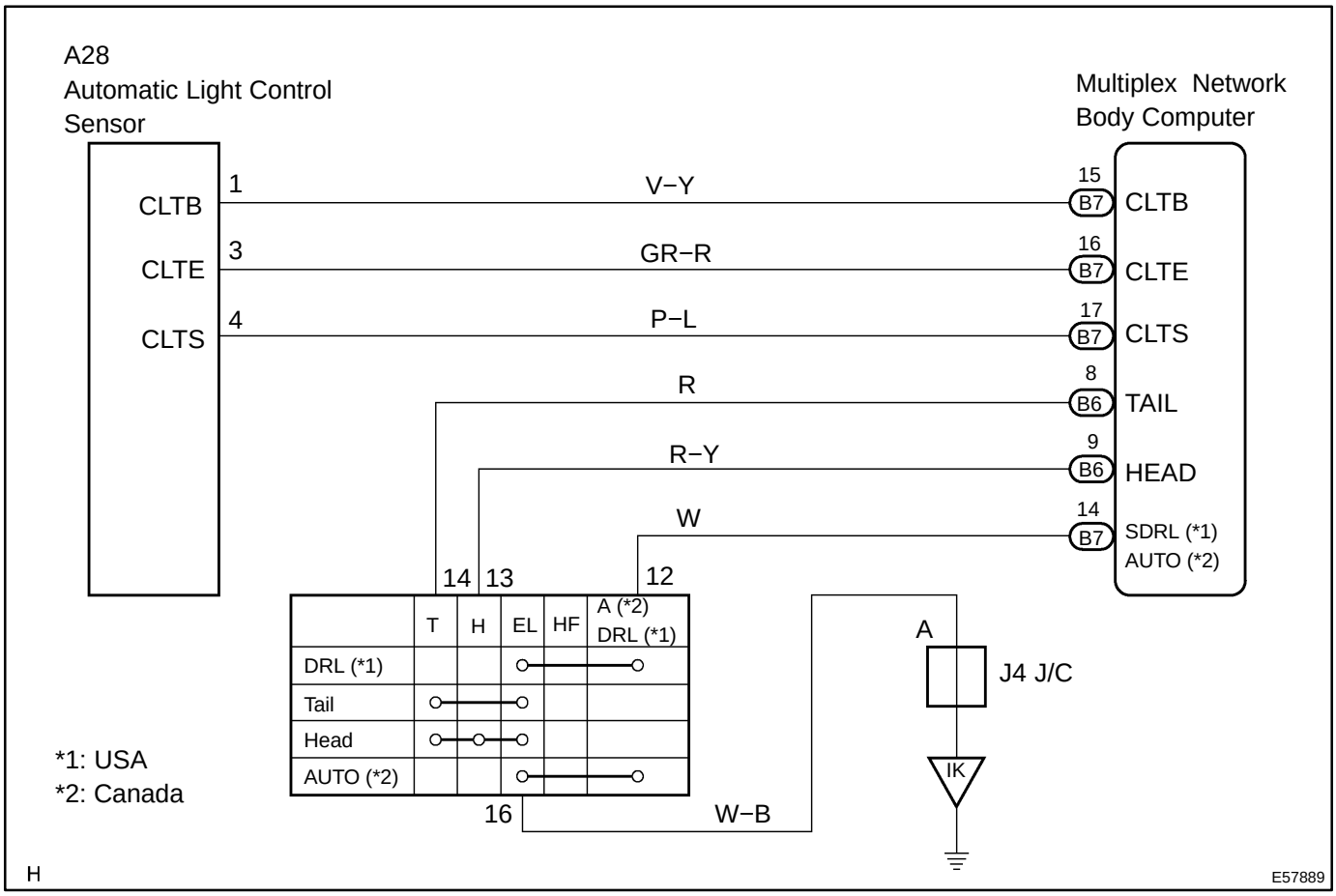
DTC 44 LIGHT SENSOR CIRCUIT MALFUNCTION

CIRCUIT DESCRIPTION

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

DTC No.	DTC Detecting Condition	Trouble Area
44	• Malfunction of light sensor • Open or short of light sensor circuit	• Automatic light control sensor • Wire harness • Instrument panel J/B assy

WIRING DIAGRAM



INSPECTION PROCEDURE

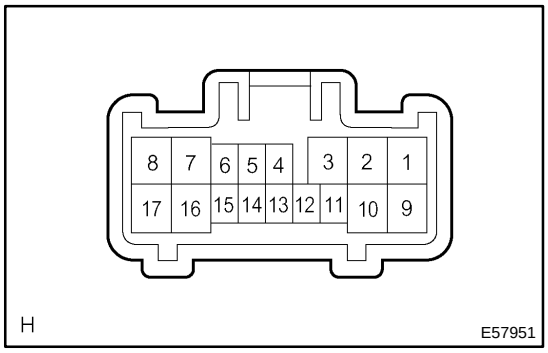
1	CHECK LIGHT

(a) Check that tail light and head light light up.

NG → **FLOW CHART(GO TO FLOW CHART OF HEAD LIGHT OR TAIL LIGHT)**

OK

2	INSPECT HEADLAMP DIMMER SWITCH ASSY(AUTO)



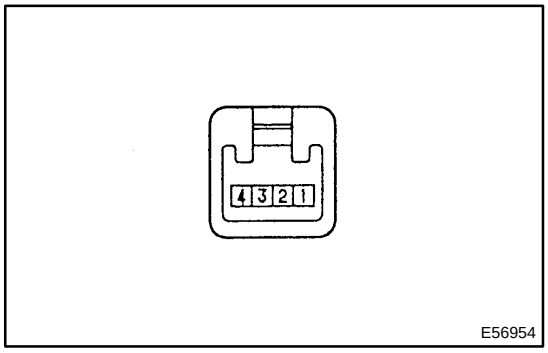
(a) Inspect light control switch continuity.
  (1) Check that there is continuity between terminals at each switch position as shown in the chart.

Switch operation	Tester connection	Specified condition
OFF	−	No continuity
AUTO	12 − 16	Continuity

NG → **REPLACE HEADLAMP DIMMER SWITCH ASSY**

OK

3	CHECK AUTOMATIC LIGHT CONTROL SENSOR



(a) Check the continuity between terminal 3(+) and body ground as shown in the chart below.
(b) Measure voltage between terminals as shown in the chart below.
(c) Using an oscilloscope, check that signal waveform appears between terminals.

Standard:

Terminal No. (Symbol)	Tester connection	Condition	Specified condition
1 (CLTB)	1 − 3	Constant	10 − 14 V
3 (CLTE)	3 − Body ground	Constant	Continuity
4 (CLTS)	4 − 3	IG SW ON Dimmer SW AUTO	Signal waveform appears depending on outside brightness

OK → **FLOW CHART(GO TO FLOW CHART OF HEAD LIGHT OR TAIL LIGHT)**

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4	CHECK HARNESS AND CONNECTOR(BETWEEN INSTRUMENT PANEL J/B ASSY AND AUTOMATIC LIGHT CONTROL SENSOR)

(a) Check that signal waveform appears between terminal B7 − 17 (CLTS) and body ground.
Standard: Bar appears.

OK → **CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

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5	CHECK HARNESS AND CONNECTOR(BETWEEN INSTRUMENT PANEL J/B ASSY AND AUTOMATIC LIGHT CONTROL SENSOR)

(a) Measure voltage between terminal B7 − 15 (CLTB) and body ground.
Standard: 10 − 14 V

OK → **CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

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6	CHECK HARNESS AND CONNECTOR(BETWEEN INSTRUMENT PANEL J/B ASSY AND AUTOMATIC LIGHT CONTROL SENSOR)

(a) Check the continuity between terminal B7 − 16 (CLTE) of instrument panel J/B and 3 (CLTE) of automatic light control sensor.
Standard: There is continuity.

OK → **CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

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REPLACE AUTOMATIC LIGHT CONTROL SENSOR