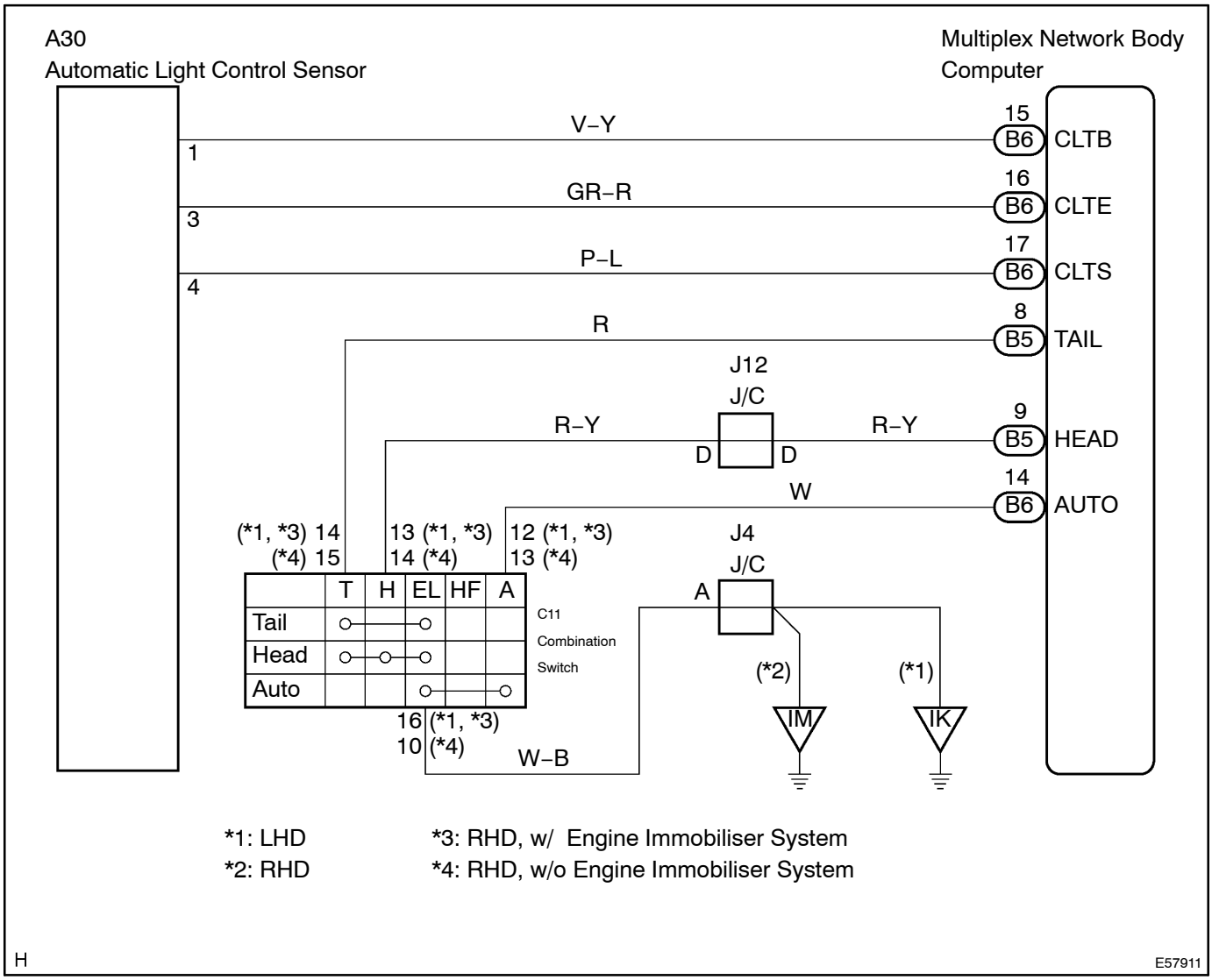
AUTOMATIC LIGHT CONTROL SYSTEM DOES NOT OPERATE

WIRING DIAGRAM



INSPECTION PROCEDURE

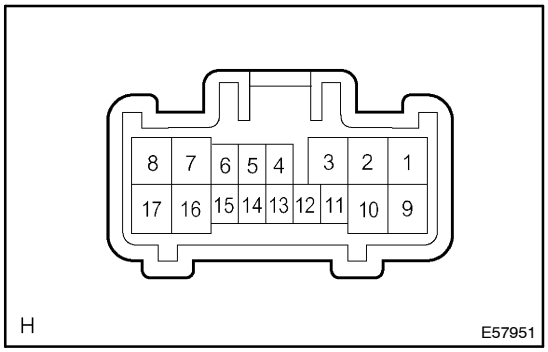
1 CHECK LIGHT

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

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

OK

2 INSPECT HEADLAMP DIMMER SWITCH ASSY(AUTO)



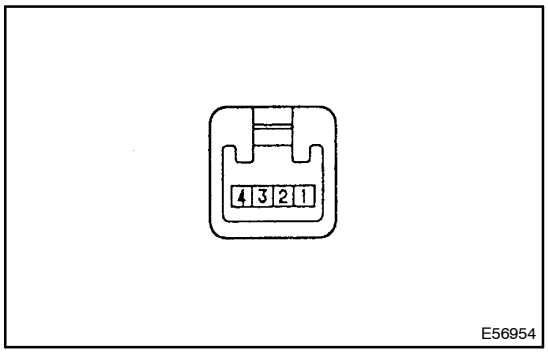
(a) Inspect light control switch continuity.
  (1) Check that there is continuity between terminals at each switch position as shown in the chart.

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	Continuity	10 – 14 V
3 (CLTE)	3 – Body ground	Continuity	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)**

NG

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

(a) Check that signal waveform appears between terminal B6 – 17 (CLTS) and body ground.
Standard: Bar appears.

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

NG

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

(a) Measure voltage between terminal B6 – 15 (CLTB) and body ground.
Standard: 10 – 14 V

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

NG

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

(a) Check the continuity between terminal B6 – 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**

NG

REPLACE AUTOMATIC LIGHT CONTROL SENSOR