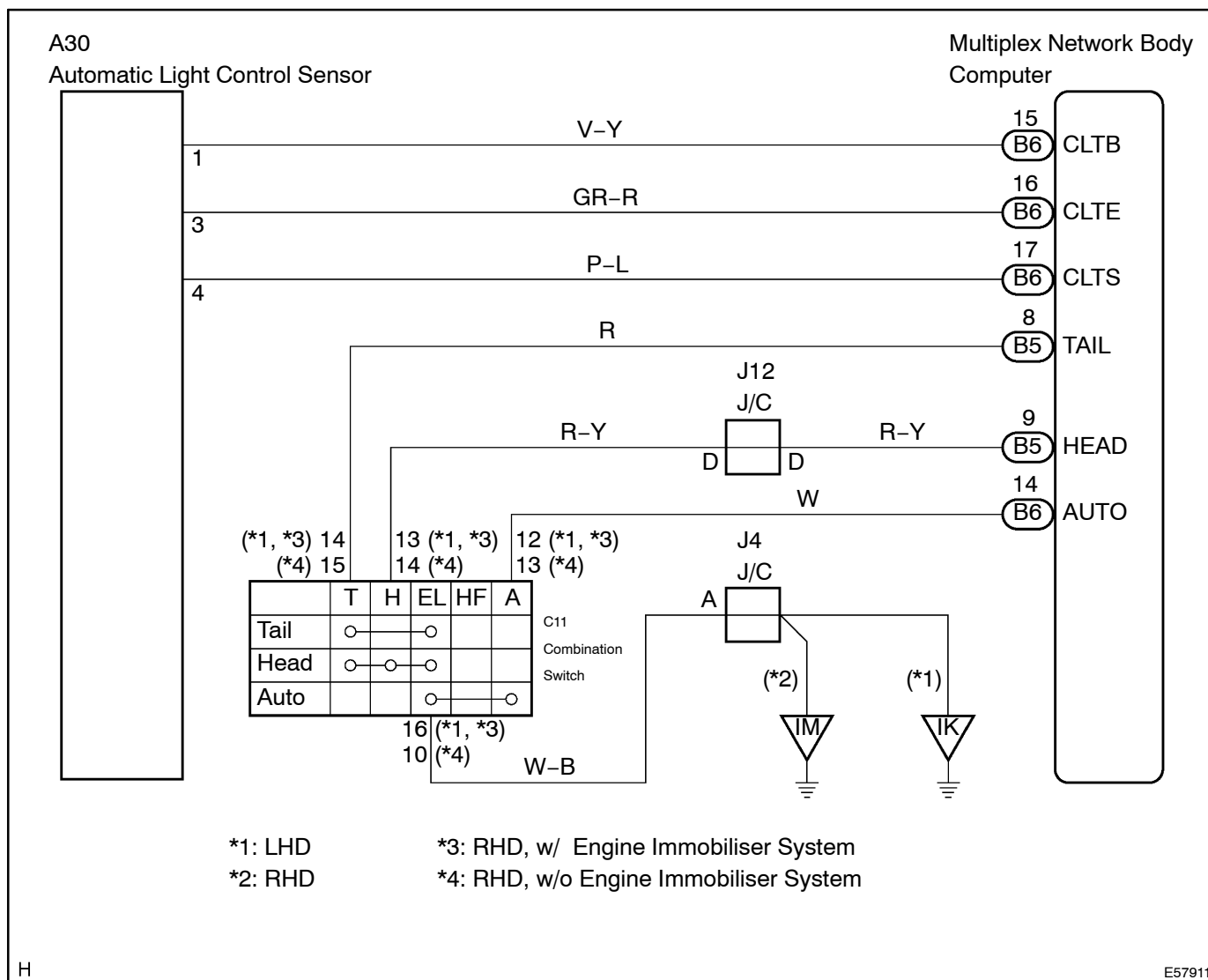


# AUTOMATIC LIGHT CONTROL SYSTEM DOES NOT OPERATE

## WIRING DIAGRAM



## INSPECTION PROCEDURE

### 1 CHECK LIGHT

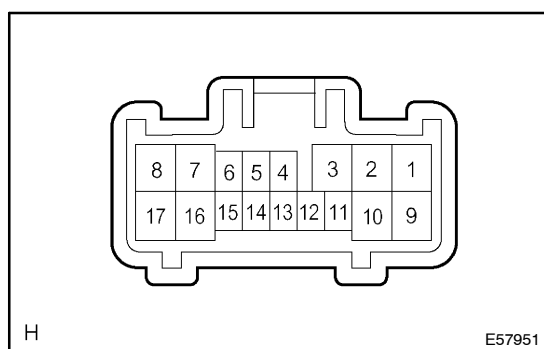
- (a) Check that tail light and headlamp light up.

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.

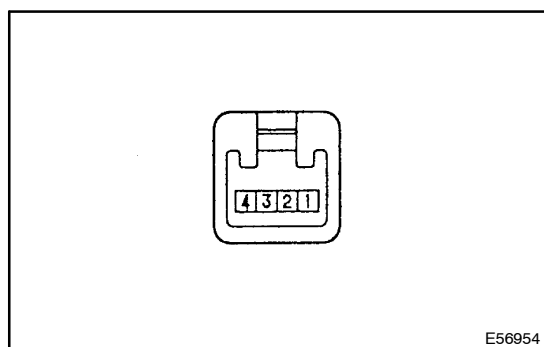
Switch operation	Tester connection	Specified condition
OFF	-	No continuity
AUTO	12 - 16	Continuity

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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**