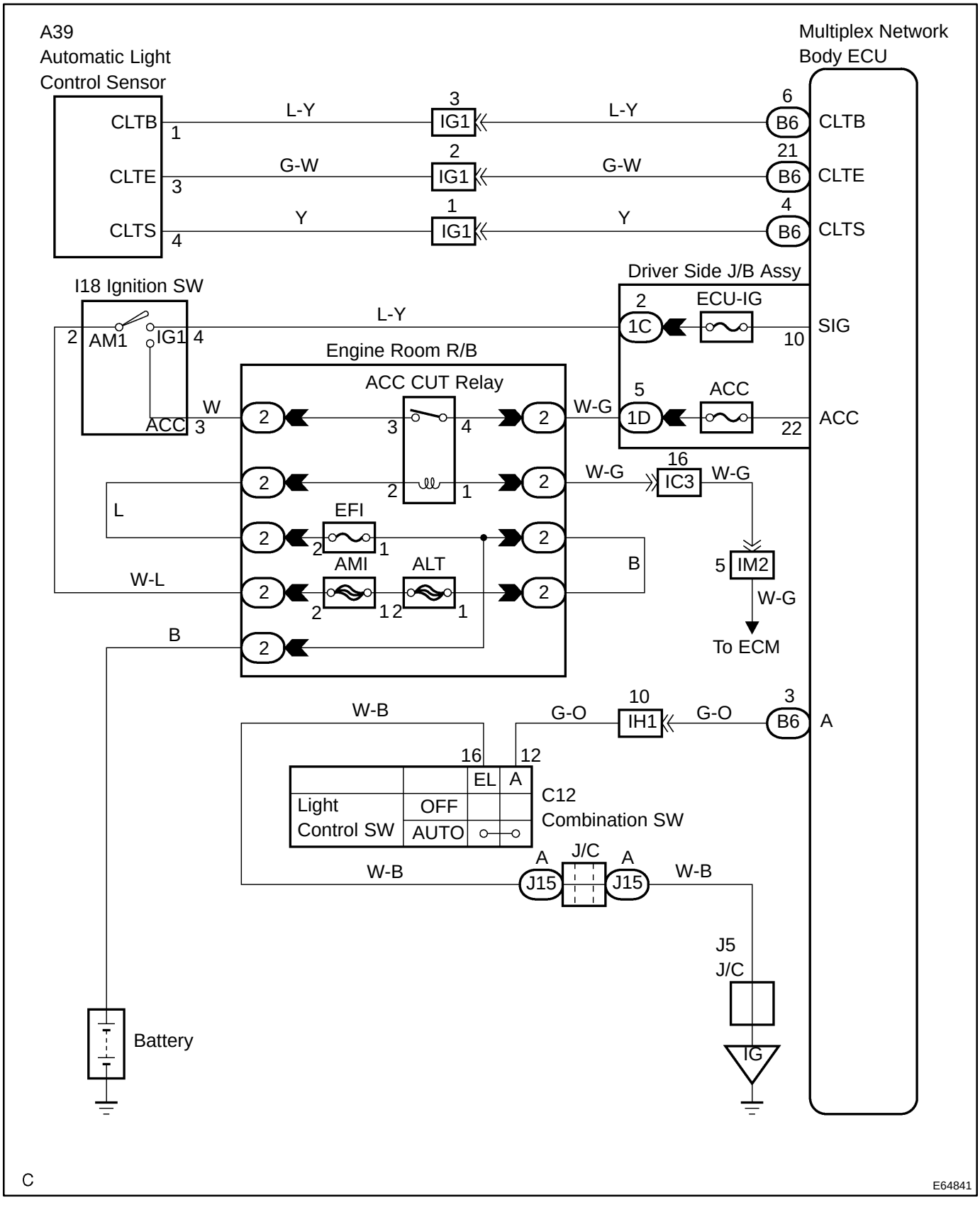
AUTOMATIC LIGHT CONTROL SYSTEM DOES NOT OPERATE

WIRING DIAGRAM



INSPECTION PROCEDURE

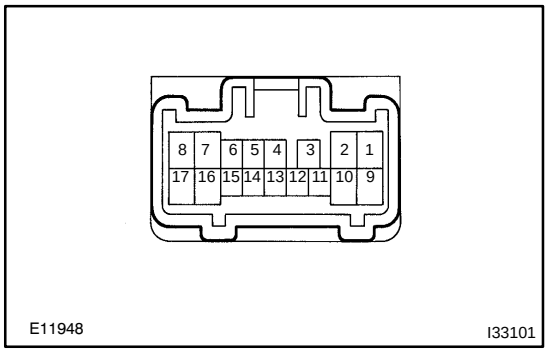
1	CHECK LIGHT

(a) Check that headlamp and taillight light up.

NG → FLOW CHART (GO TO FLOW CHART OF HEADLIGHT OR TAILLIGHT)

OK

2	INSPECT HEADLAMP DIMMER SWITCH ASSY



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

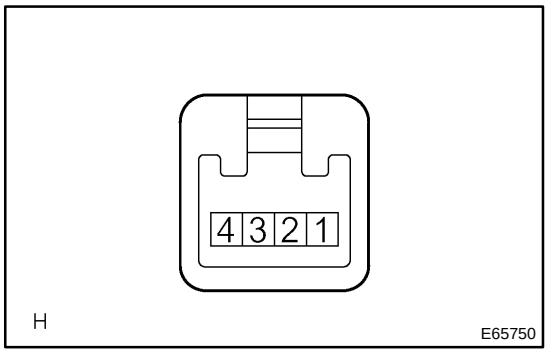
Standard:

Switch operation	Tester connection	Specified condition
OFF	-	No continuity
TAIL	14 - 16	Continuity
HEAD	13 - 16 - 14	Continuity
AUTO	16 - 12	Continuity

NG → REPLACE HEADLAMP DIMMER SWITCH ASSY

OK

3	CHECK AUTOMATIC LIGHT CONTROL SENSOR



(a) Measure voltage between terminals as shown in the chart below.
(b) Check the continuity between terminal 3 (CLTE) and body ground 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

NG → REPLACE AUTOMATIC LIGHT CONTROL SENSOR

OK

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

(a) Check that signal waveform appears between terminal B6-4 (CLTS) and B6-21 (CLTE) of the multiplex network body ECU.
Standard: Bar appears

(b) Measure voltage between terminals B6-6 (CLTB) and B6-21 (CLTE) of the multiplex network body ECU.
Standard: 10 - 14 V

(c) Check the continuity between terminal B6-21 (CLTE) of the multiplex network body ECU and body ground.
Standard: There is continuity

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

OK

CHECK AND REPLACE MULTIPLEX NETWORK BODY ECU