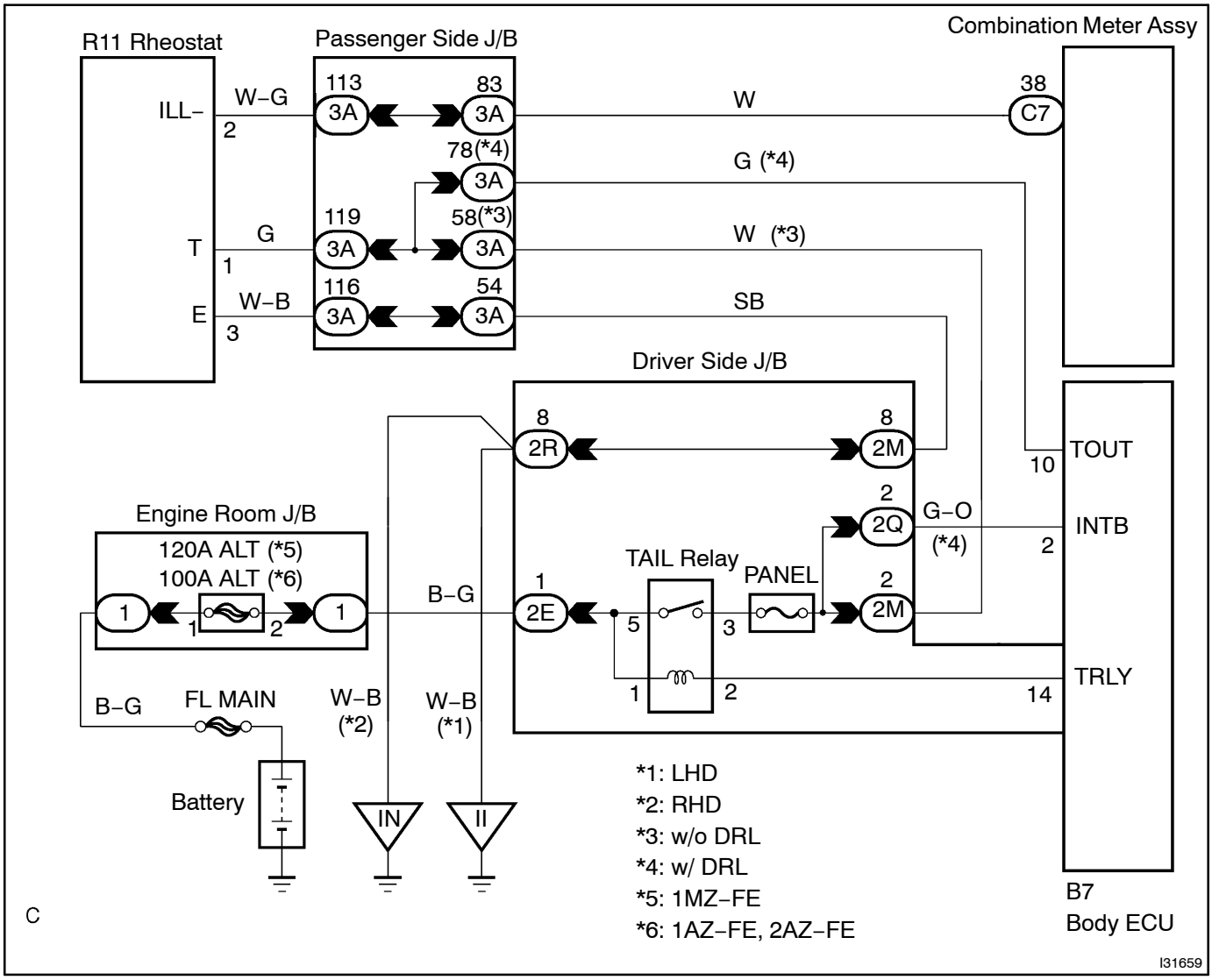
OPERATING LIGHT CONTROL RHEOSTAT DOES NOT CHANGE LIGHT BRIGHTNESS

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK ILLUMINATION

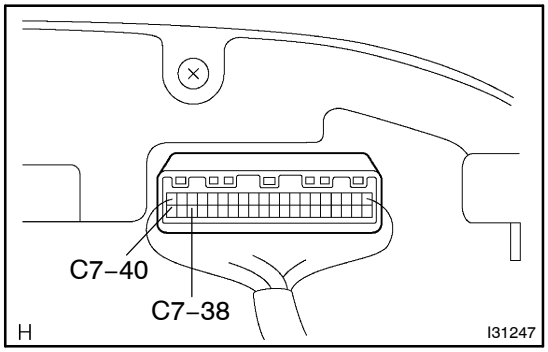
(a) Operate the rheostat and check that the quantity of light for the combination meter, audio system and A/C control panel etc. are normally changed.

A	All light do not change.
B	Combination meter does not change.

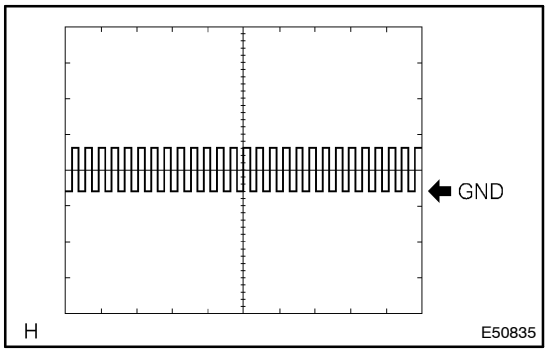
B → **CHECK AND REPLACE COMBINATION METER ASSY**

A

2 CHECK COMBINATION METER ASSY



(a) Remove the combination meter assy with connectors still connected.
(b) Turn the ignition switch to ON and tail light switch to ON.
(c) Turn the light scontrol sheostat volume knob to middle position.



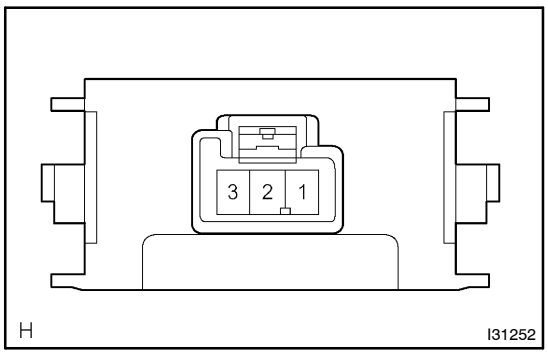
(d) Check signal waveform.
  (1) Connect the oscilloscope to the terminals C7–38 and C7–40 of combination meter assy connector.
  (2) Start engine.
  (3) Check the signal waveform.

Item	Contens
Tool setting	10 V/ DIV, 20 ms/DV
Vehicle condition	Engine idle speed

NG → **CHECK AND REPLACE COMBINATION METER ASSY**

OK

3 INSPECT LIGHT CONTROL RHEOSTAT



(a) Check continuity between terminals 1 (T) and 3 (E) of light control rheostat when light control rheostat operation as shown in chart below.

Switch position	Terminal (Symbol)	Continuity
Most brighten position	1 (T) ⇔ 3 (E)	Continuity
Except most brighten position	1 (T) ⇔ 3 (E)	No continuity

(b) Check light control rheostat resistance.

(1) Measure the resistance between terminals 1 (T) and 3 (E) of light control rheostat.

Standard resistance: Approx. 10 kΩ

(2) Measure the resistance between terminals 1 (T) and 2 (ILL–) of light control rheostat when operating the light control rheostat. Check that the resistance value changes continuously.

Standard resistance:

Condition	Resistance (kΩ)
When turned brightest position	Approx. 10
Other conditions of the above	Between change 0 – 10

NG → **REPLACE LIGHT CONTROL RHEOSTAT**

OK

4 CHECK HARNESS AND CONNECTOR

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

OK

CHECK AND REPLACE MULTIPLEX NETWORK BODY ECU