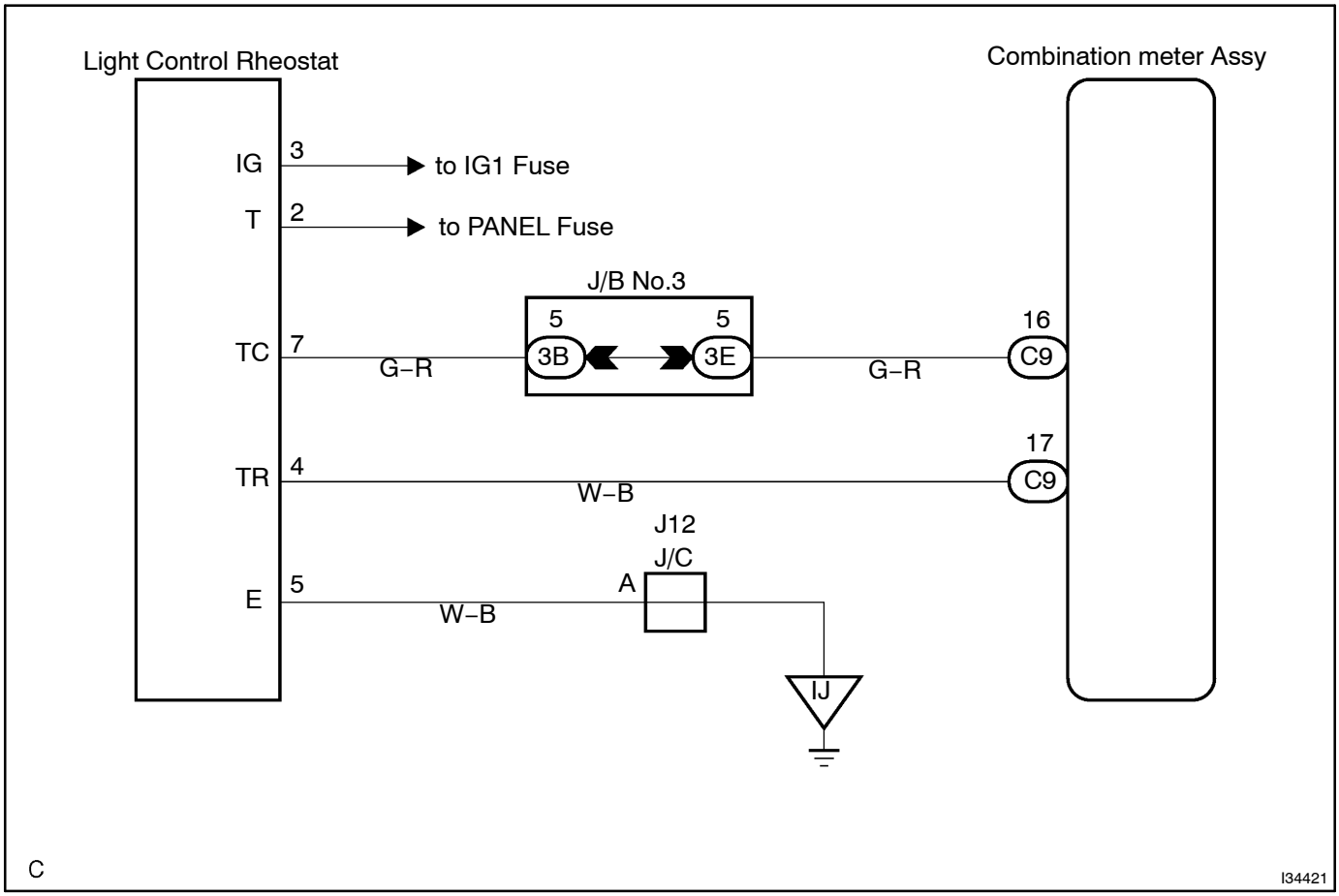
OPERATING LIGHT CONTROL RHEOSTAT DOES NOT CHANGE LIGHT BRIGHTNESS

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK ILLUMINATION

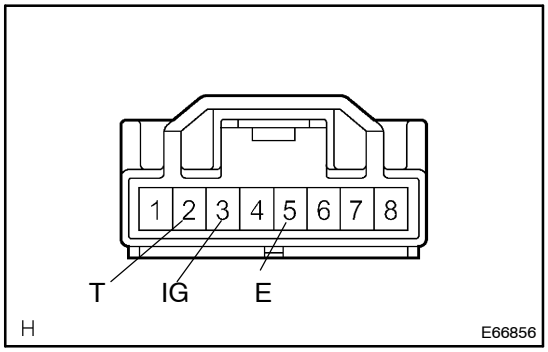
(a) Operate the rheostat and check that the quantity of light for the combination meter assy, audio system and A/C control panel etc. are normally changed.

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

B → **Go to step 4**

A

2 CHECK LIGHT CONTROL RHEOSTAT



(a) Check the continuity of light control rheostat when light control rheostat operation as shown in chart below.

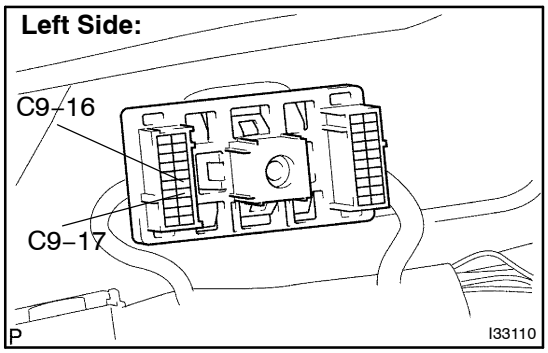
Standard:

Terminal (Symbol)	Condition	Specified condition
2 (T) ⇔ Body ground	Ignition switch ON, Tail-light switch OFF → ON	Below 1V → 10 – 14V
3 (IG) ⇔ Body ground	Ignition switch OFF → ON	Below 1V → 10 – 14V
5 (E) ⇔ Body ground	Constant	Continuity

NG → **REPLACE LIGHT CONTROL RHEOSTAT**

OK

3 CHECK HARNESS AND CONNECTOR(BETWEEN LIGHT CONTROL RHEOSTAT AND COMBINATION METER ASSY)



(a) Remove combination meter assy.

(b) Check the continuity between terminals 7 (TC) of light control rheostat and C9–16 of combination meter connector.

Standard: There is continuity.

(c) Check the continuity between terminals 4 (TR) of light control rheostat and C9–17 of combination meter connector.

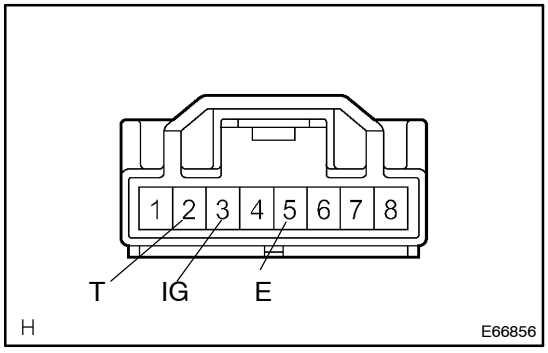
Standard: There is continuity.

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

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

4 INSPECT LIGHT CONTROL RHEOSTAT



(a) Check the continuity of light control rheostat when light control rheostat operation as shown in chart below.

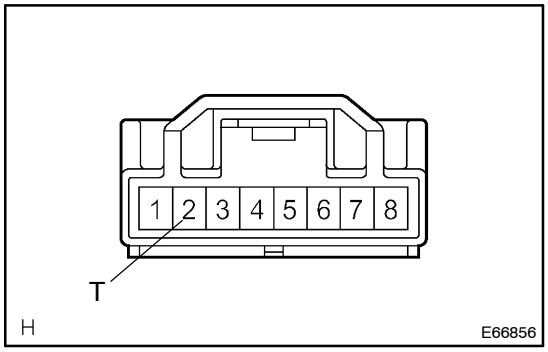
Standard:

Terminal (Symbol)	Condition	Specified condition
2 (T) ⇔ Body ground	Ignition switch ON, Tail-light switch OFF → ON	Below 1V → 10 – 14V
3 (IG) ⇔ Body ground	Ignition switch OFF → ON	Below 1V → 10 – 14V
5 (E) ⇔ Body ground	Constant	Continuity

NG → **REPLACE LIGHT CONTROL RHEOSTAT**

OK

5	CHECK HARNESS AND CONNECTOR(BETWEEN LIGHT CONTROL RHEOSTST AND INSTRUMENT PANEL JUNCTION)



(a) Check the continuity between 2 (T) of light control rheostat and R12–21 of instrument panel junction block assy.
Standard: There is continuity.

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

OK

6	CHECK INSTRUMENT PANEL JUNCTION BLOCK ASSY

(a) Measure voltage between terminal R12–21 of instrument panel junction block assy and body ground.
Standard:

Combination switch	Specified condition
OFF	Below 1 V
TAIL	10 – 14 V

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

NG

REPAIR OR REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY