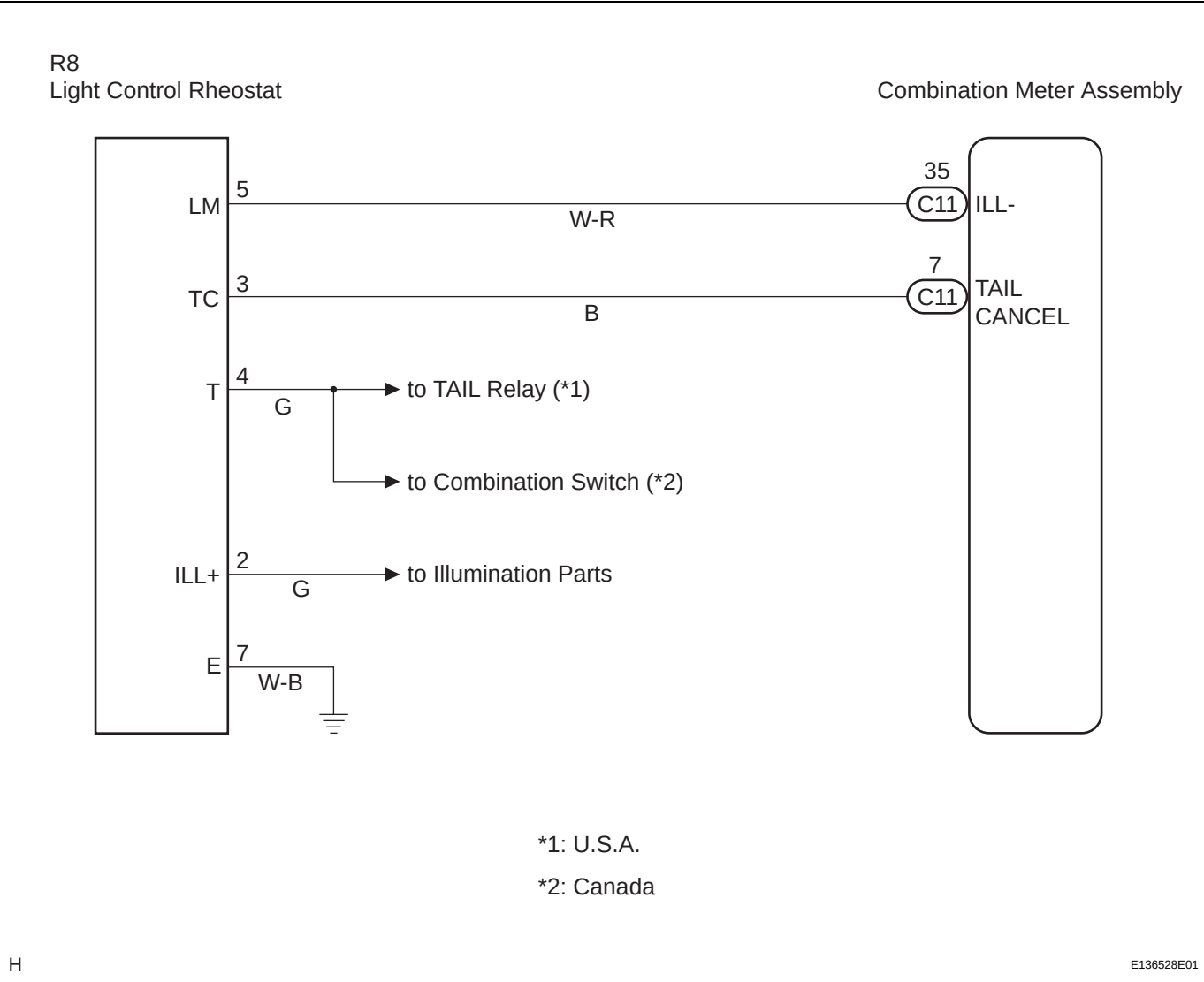


Operating Light Control Rheostat does not Change Light Brightness

WIRING DIAGRAM

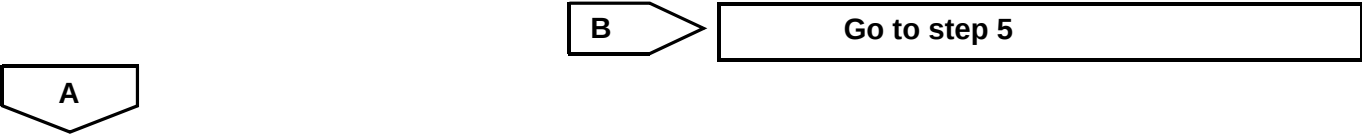


INSPECTION PROCEDURE

1	SYSTEM CHECK
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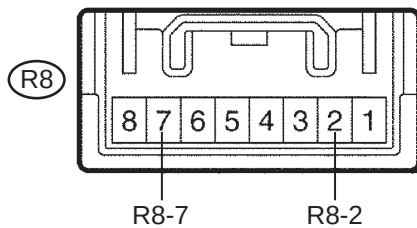
Result

Result	Proceed to
Light illumination level does not change.	A
Light illumination level does not change and tail cancel switch does not operate.	A
Tail cancel switch does not operate.	B



2 INSPECT LIGHT CONTROL RHEOSTAT (T, GND)

Light Control Rheostat Connector Front View:



I040070E01

- Disconnect the R8 connector.
- Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester connection	Condition	Specified condition
R8-2 - Body ground	Headlight dimmer switch OFF → TAIL	Below 1 V → 10 to 14 V

- Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
R8-7 - Body ground	Always	Below 1 Ω

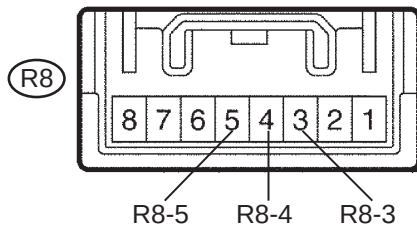
NG

REPLACE LIGHT CONTROL RHEOSTAT

OK

3 INSPECT LIGHT CONTROL RHEOSTAT (TC, LM)

Light Control Rheostat Connector Front View:



I040070E02

- Check signal waveform.
 - Remove the light control rheostat with connectors still connected.
 - Connect the oscilloscope to the terminal C11-35 and body ground.

- Check the signal waveform according to the condition(s) in the table below.

OK

Tester connection	Condition	Specified condition
R8-5 - Body ground	Ignition switch ON	Pulse generation (See waveform)

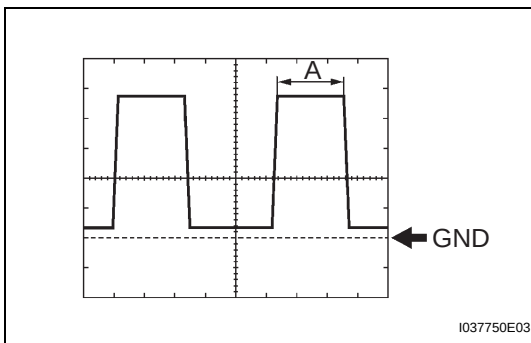
Waveform (Reference)

Item	Condition
Tool setting	2 V/DIV., 1 ms/DIV.
Vehicle condition	Ignition switch ON

HINT:

Duty ratio changes as illumination becomes darker ("A" becomes longer).

- Measure the resistance according to the value(s) in the table below.



I037750E03

Standard resistance

Tester connection	Condition	Specified condition
R8-3 - R8-4	Tail cancel position (rheostat knob is fully turned up) → Non-tail cancel position	10 kΩ or higher → Below 1 Ω

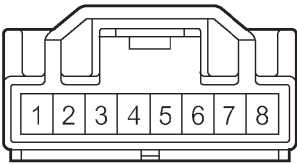
NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

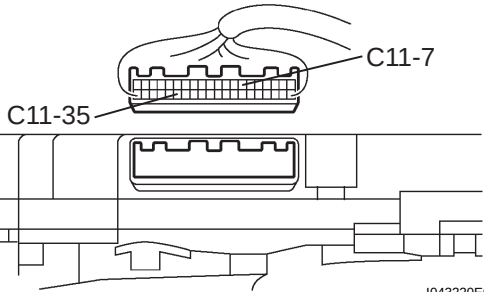
OK

4 CHECK HARNESS AND CONNECTOR (LIGHT CONTROL RHEOSTAT - COMBINATION METER)

Light Control Rheostat Connector Front View:



Combination Meter Assembly Connector Front View:



I043220E01

- (a) Disconnect the C11 and R8 connectors.
- (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
C11-35 - R8-5	Always	Below 1 Ω
C11-7 - R8-3	Always	Below 1 Ω

NG

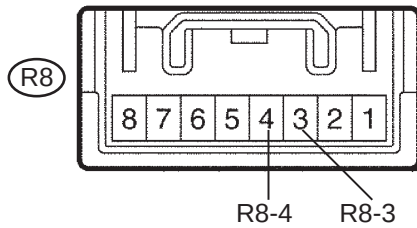
REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE COMBINATION METER ASSEMBLY

5 INSPECT LIGHT CONTROL RHEOSTAT

Light Control Rheostat Connector Front View:



I040070E03

- (a) Disconnect the R8 connector.
 (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
R8-3 - R8-4	Tail cancel position (rheostat knob is fully turned up) → Non-tail cancel position	10 k Ω or higher → Below 1 Ω

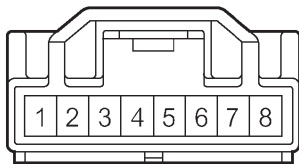
NG

REPLACE LIGHT CONTROL RHEOSTAT

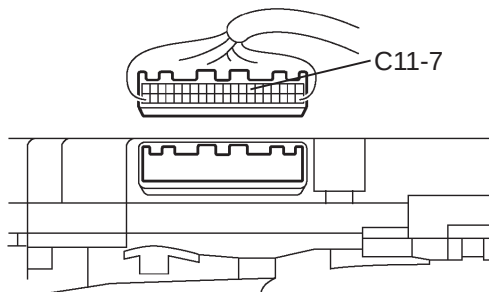
OK

6 CHECK HARNESS AND CONNECTOR (LIGHT CONTROL RHEOSTAT - COMBINATION METER)

Light Control Rheostat Connector Front View:



Combination Meter Assembly Connector Front View:



I043220E04

- (a) Disconnect the C11 and R8 connectors.
 (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
C11-7 - R8-3	Always	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE COMBINATION METER ASSEMBLY