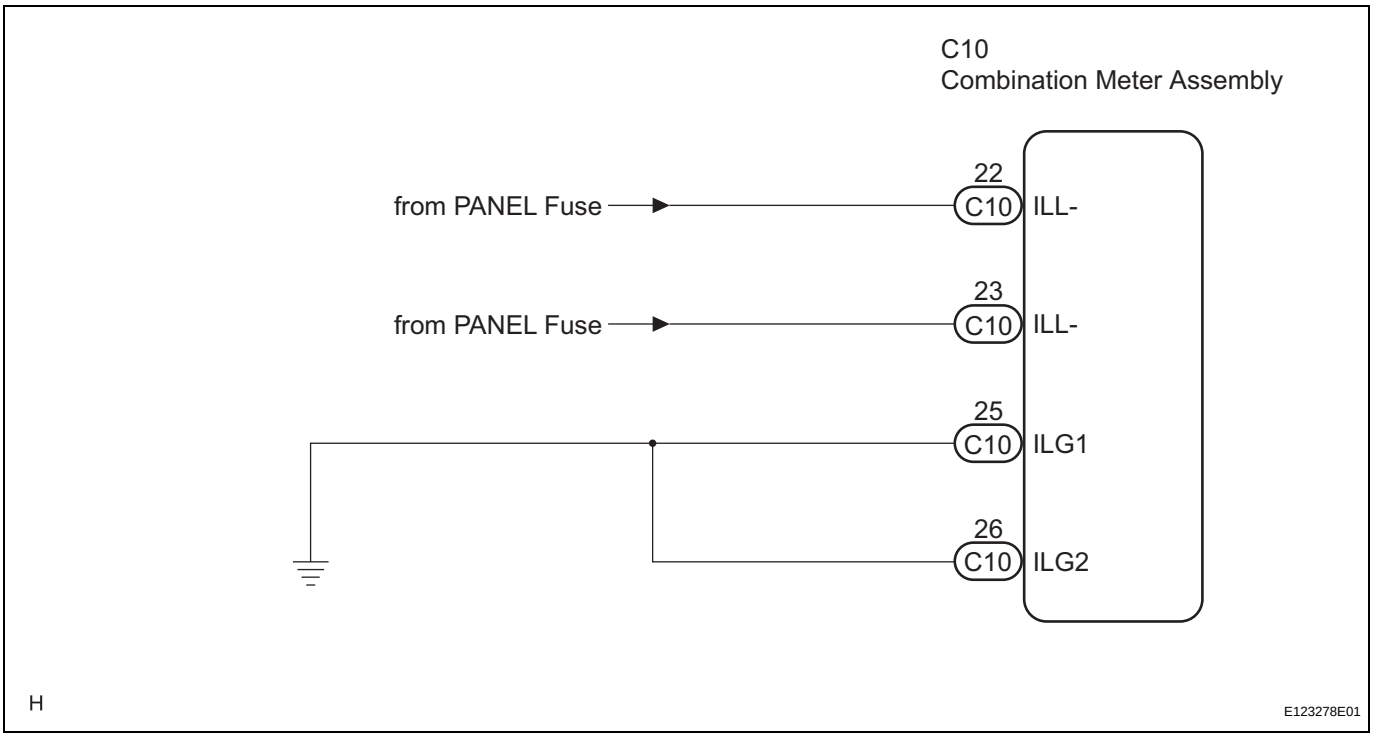
Operating Light Control Rheostat does not Change Light Brightness

DESCRIPTION

The meter CPU receives signals for adjusting illumination on the meter from this circuit. The meter CPU detects the illumination level selected by the user according to the position of the rheostat knob.

WIRING DIAGRAM



ME

INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER (LIGHT RHEOSTAT)

(a) Connect the intelligent tester to the DLC3.
(b) Turn the switch to the ON position.
(c) Turn the tester ON.
(d) Enter the following menus: DIAGNOSIS / OBD/MOBD / METER / DATA LIST.
(e) Check the values by referring to the table below.

METER:

Item	Measurement Item/Range (Display)	Normal Condition	Diagnostic Note
LIGHT RHEOSTAT	Light control rheostat/Min.: 0, Max.: 255	Light control rheostat switch is Dark (0) → Bright (255)	-

OK:

Light brightness displayed on the tester is almost the same as the actual light brightness.

NG	Go to step 2

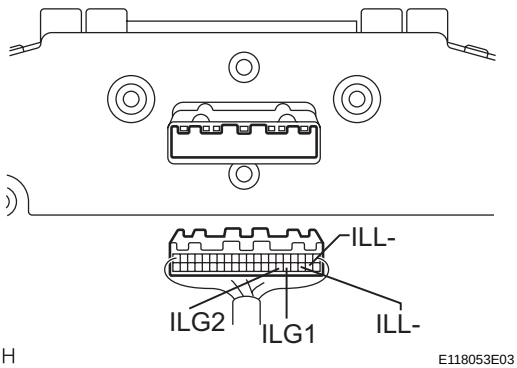
OK

REPLACE COMBINATION METER ASSEMBLY

2 CHECK HARNESS AND CONNECTOR (LIGHT CONTROL RHEOSTAT CIRCUIT)

Combination Meter Assembly

Wire Harness View:



(a) Disconnect the C10 connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
C10-25 (ILG1) - Body ground	Always	Below 1 Ω
C10-26 (ILG2) - Body ground	Always	Below 1 Ω

(c) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester Connection	Condition	Specified Condition
C10-22 (ILL-) - Body ground	Turn the ignition switch to the ON position	10 to 14 V
C10-23 (ILL-) - Body ground	Turn the ignition switch to the ON position	10 to 14 V
C10-22 (ILL-) - Body ground	Always	Below 1 V
C10-23 (ILL-) - Body ground	Always	Below 1 V

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

OK

REPLACE COMBINATION METER ASSEMBLY

ME