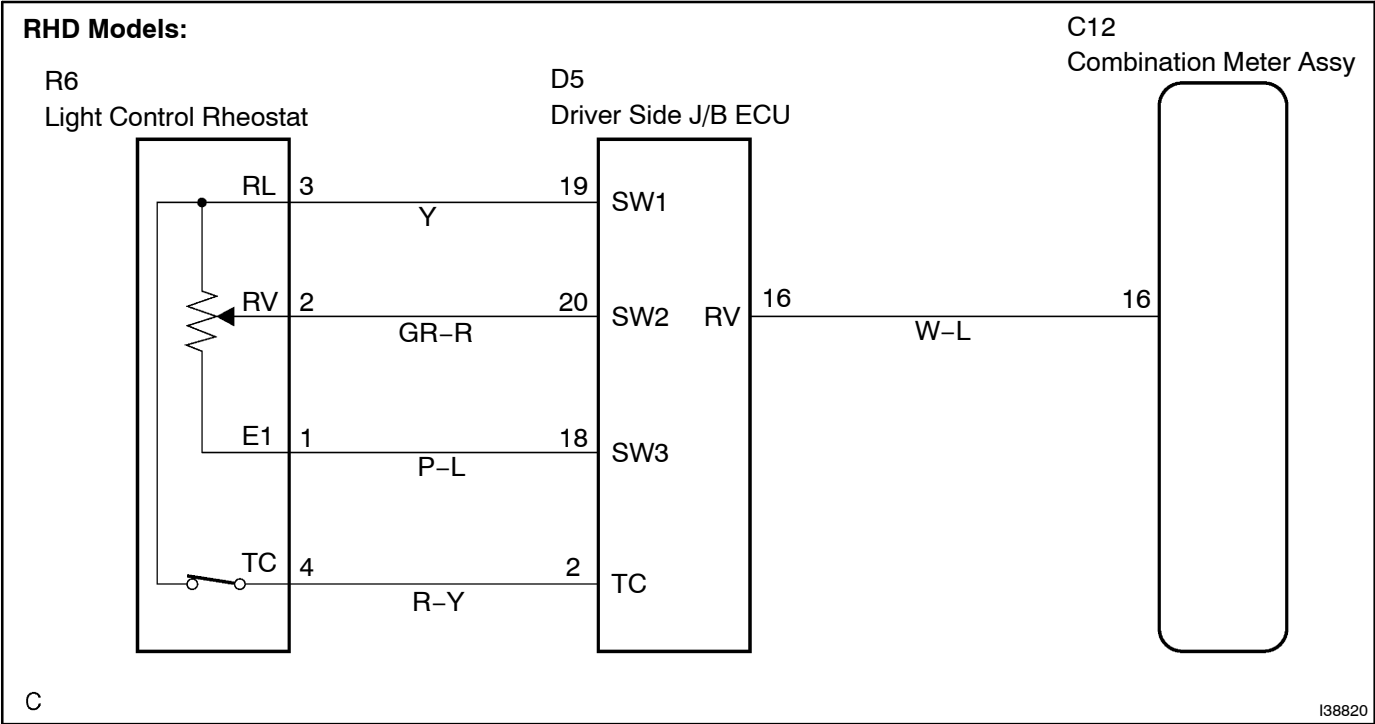
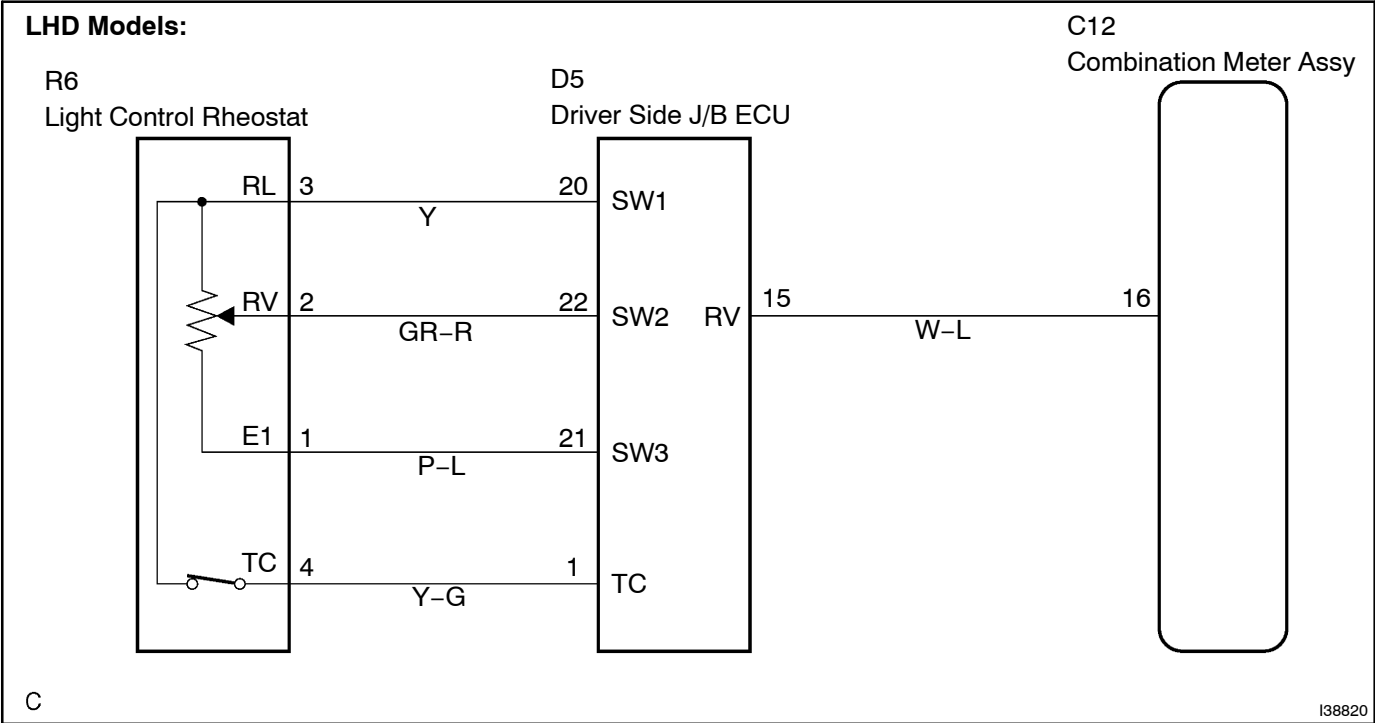


OPERATING LIGHT CONTROL RHEOSTAT DOES NOT CHANGE LIGHT BRIGHTNESS

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE OF INTELLIGENT TESTER II(LIGHT RHEOSTAT SIGNAL)

- (a) Operate the intelligent tester II according to the steps on the display and select the "DATA LIST".
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 control can be changed within the specified range by actual operation.

NG

Go to step 2

OK

REPLACE COMBINATION METER ASSY(SEE PAGE 71-21)

2 READ VALUE OF INTELLIGENT TESTER II(LIGHT RHEOSTAT SIGNAL)

- (a) Operate the intelligent tester II according to the steps on the display and select the "DATA LIST".
BODY No.2:

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

OK:

Light control can be changed within the specified range by actual operation.

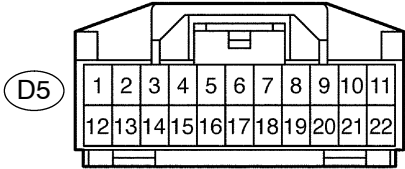
NG

Go to step 5

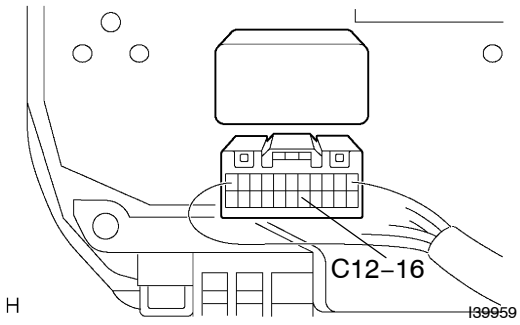
OK

3 CHECK HARNESS AND CONNECTOR(DRIVER SIDE JUNCTION BLOCK – COMBIATION METER ASSY)(SEE PAGE 01-34)

**Driver Side Junction Block
Wire Harness View:**



**Combination Meter Assy
Wire Harness View:**



- (a) Disconnect the C12 and D5 connectors.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
C12-16 – D5-15 (16)	Always	Below 1 Ω
C12-16 – Body ground	Always	10 k Ω or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

4 REPLACE DRIVER SIDE JUNCTION BLOCK

OK:
Normal operation

NG

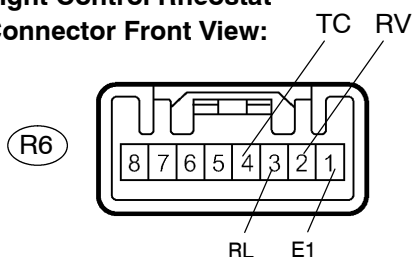
**REPLACE COMBINATION METER ASSY
(SEE PAGE 71-21)**

OK

END

5 INSPECT LIGHT CONTROL RHEOSTAT

**Light Control Rheostat
Connector Front View:**



H

I39217

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

Standard:

Terminal No	Condition	Specified condition
1 - 2	Rheostat knob turned fully clockwise	Approx. 0 kΩ
1 - 2	Rheostat knob turned fully counterclockwise	Approx. 10 ± 2 kΩ
1 - 3	Always	Approx. 10 ± 2 kΩ
4 - 1, 3	Rheostat knob turned fully counterclockwise	10 kΩ or higher
4 - 1, 3	Rheostat knob turned to fully clockwise	Below 1 Ω

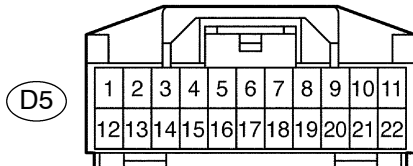
NG

REPLACE LIGHT CONTROL RHEOSTAT

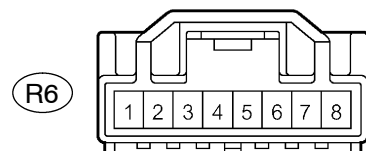
OK

6 CHECK HARNESS AND CONNECTOR(LIGHT CONTROL RHEOSTAT - DRIVER SIDE JUNCTION BLOCK)(SEE PAGE 01-34)

**Driver Side Junction Block
Wire Harness View:**



**Light Control Rheostat
Wire Harness View:**



H

I39960

- Disconnect the D5 and R6 connectors.
- Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
D5-20 - R6-3	Always	Below 1 Ω
D5-22 - R6-2	Always	Below 1 Ω
D5-21 - R6-1	Always	Below 1 Ω
D5-1 - R6-4	Always	Below 1 Ω
R6-3 - Body ground	Always	10 kΩ or higher
R6-2 - Body ground	Always	10 kΩ or higher
R6-1 - Body ground	Always	10 kΩ or higher
R6-4 - Body ground	Always	10 kΩ or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

7 REPLACE DRIVER SIDE JUNCTION BLOCK

OK:
Normal operation

NG

REPLACE COMBINATION METER ASSY
(SEE PAGE 71-21)

OK**END**