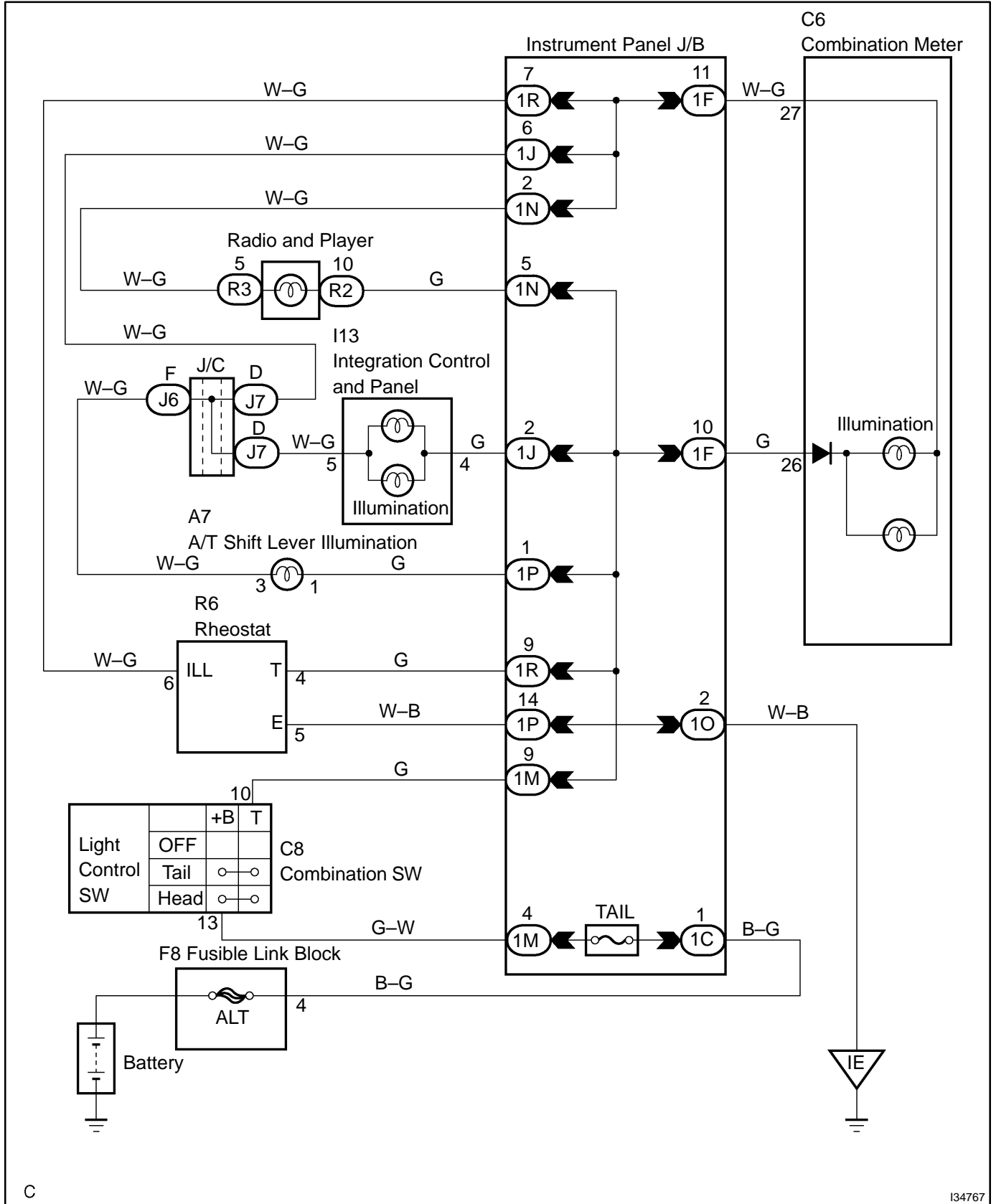


OPERATING LIGHT CONTROL RHEOSTAT DOES NOT CHANGE LIGHT BRIGHTNESS

WIRING DIAGRAM



C

134767

INSPECTION PROCEDURE

1 CHECK ILLUMINATION

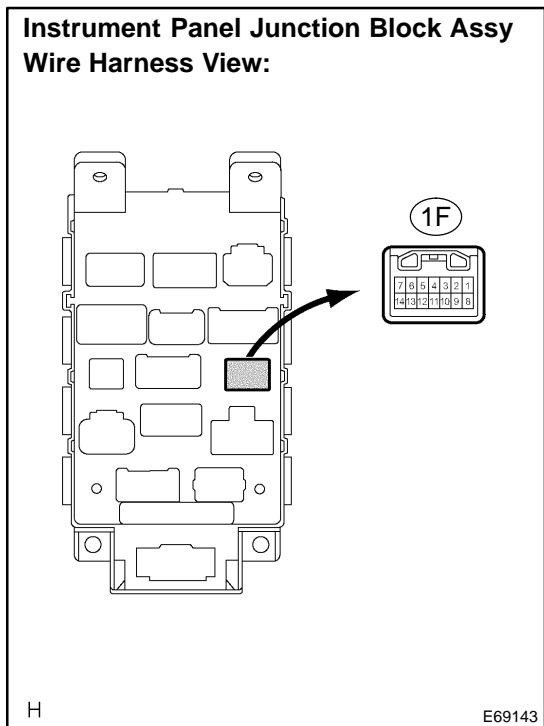
- (a) Operate the rheostat and check that the amount of light for the combination meter assy, the radio, player, the integration control and panel etc.

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

B → Go to step 6

A

2 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY



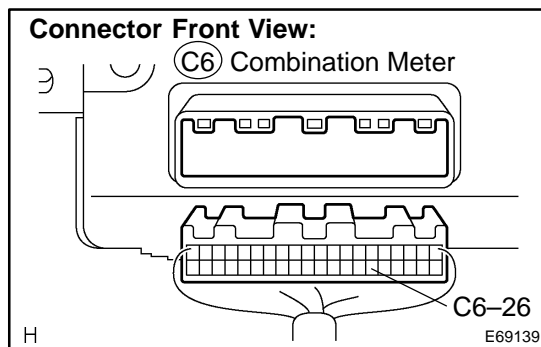
- (a) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
1F-10 - Body ground	Light control switch OFF	Below 1 V
1F-10 - Body ground	Light control switch in TAIL or HEAD position	10 to 14 V

NG → REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY

OK

3 INSPECT COMBINATION METER ASSY

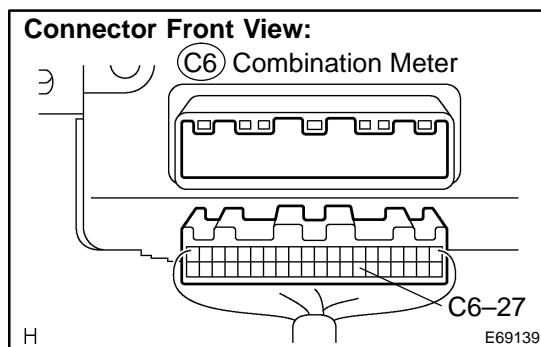
- Disconnect the combination meter connector.
- Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
C6-26 - Body ground	Light control switch OFF	Below 1 V
C6-26 - Body ground	Light control switch in TAIL or HEAD position	10 to 14 V

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR (COMBINATION METER ASSY - INSTRUMENT PANEL JUNCTION BLOCK ASSY)

OK**4 INSPECT COMBINATION METER ASSY**

- Disconnect the combination meter connector.
- Measure the resistance according to the value(s) in the table below.

Standard:

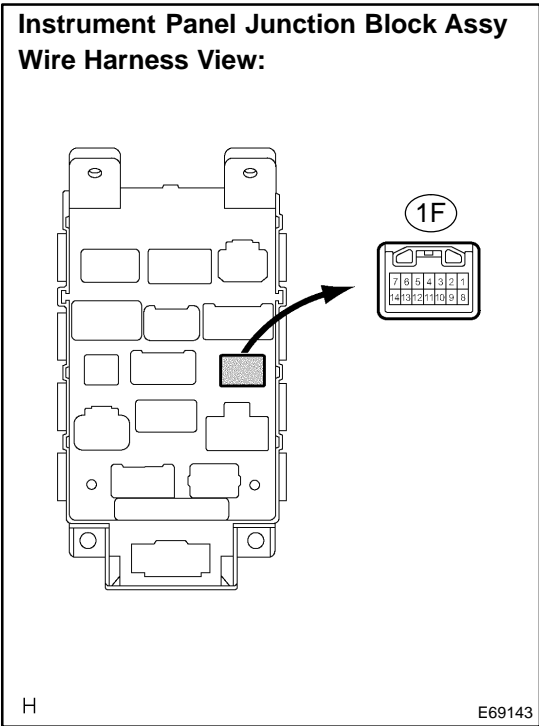
Tester connection	Condition	Specified condition
C6-27 - Body ground	Rheostat switch MAX	Below 1 Ω

NG**Go to step 5****OK**

REPLACE COMBINATION METER ASSY (See page 71-28)

5 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY

**Instrument Panel Junction Block Assy
Wire Harness View:**



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

Standard:

Tester connection	Condition	Specified condition
1F-11 - Body ground	Rheostat switch MAX	Below 1 Ω

NG → **REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (INSTRUMENT PANEL JUNCTION BLOCK ASSY - COMBINATION METER ASSY) (See page 01-30)

6 INSPECT FUSE

- (a) Inspect the ALT fuse in the fusible link block assy.
Standard:
Below 1 Ω
- (b) Inspect the TAIL fuse in the instrument panel junction block assy.
Standard:
Below 1 Ω

NG → **INSPECT FOR SHORT CIRCUIT IN HARNESS AND ALL COMPONENTS CONNECTED TO FUSE**

OK

7 INSPECT HEADLAMP DIMMER SWITCH ASSY

(a) Inspect the light control switch of combination switch (See page 65-6).

NG → **REPLACE HEADLAMP DIMMER SWITCH ASSY (See page 65-21)**

OK

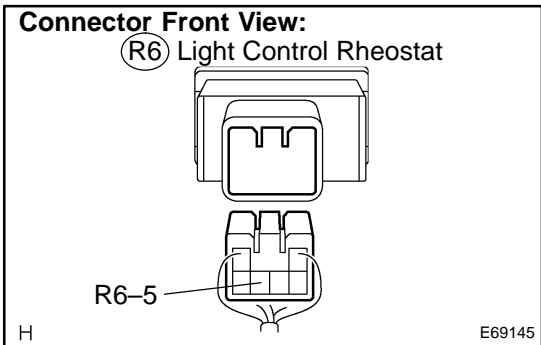
8 INSPECT LIGHT CONTROL RHEOSTAT

(a) Inspect the light control rheostat (See page 71-6).

NG → **REPLACE LIGHT CONTROL RHEOSTAT**

OK

9 INSPECT LIGHT CONTROL RHEOSTAT



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

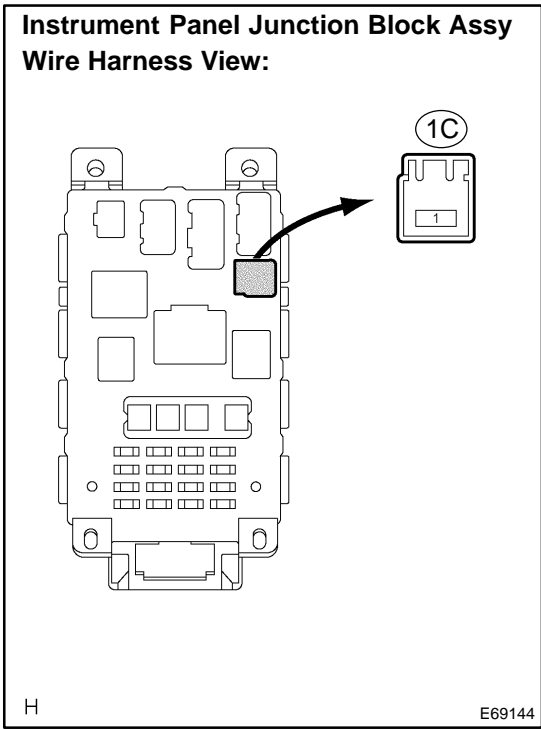
Standard:

Tester connection	Condition	Specified condition
R6-5 - Body ground	Always	Below 1 Ω

NG → **Go to step 16**

OK

10 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY(POWER SOURCE CIRCUIT)



- (a) Disconnect 1C connector of the instrument panel junction block assy.
- (b) Measure the voltage according to the value(s) in the table below.

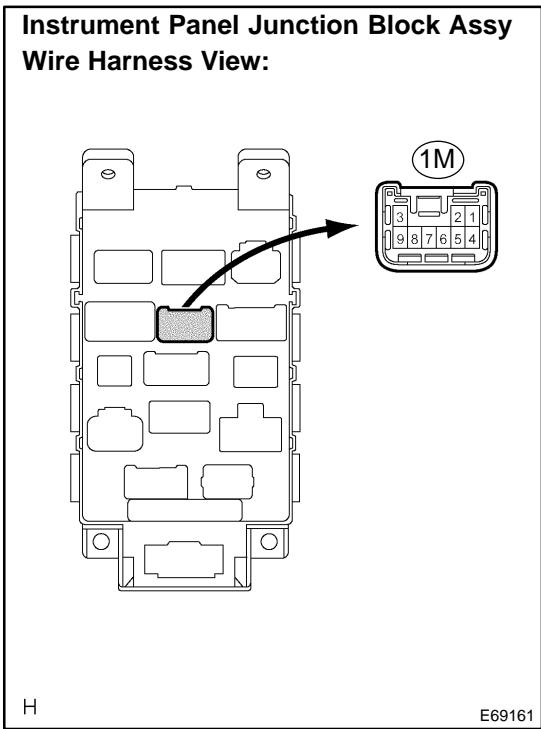
Standard:

Tester connection	Condition	Specified condition
1C-1 - Body ground	Always	10 to 14 V

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (INSTRUMENT PANEL JUNCTION BLOCK ASSY - BATTERY) (See page 01-30)**

OK

11 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY



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

Standard:

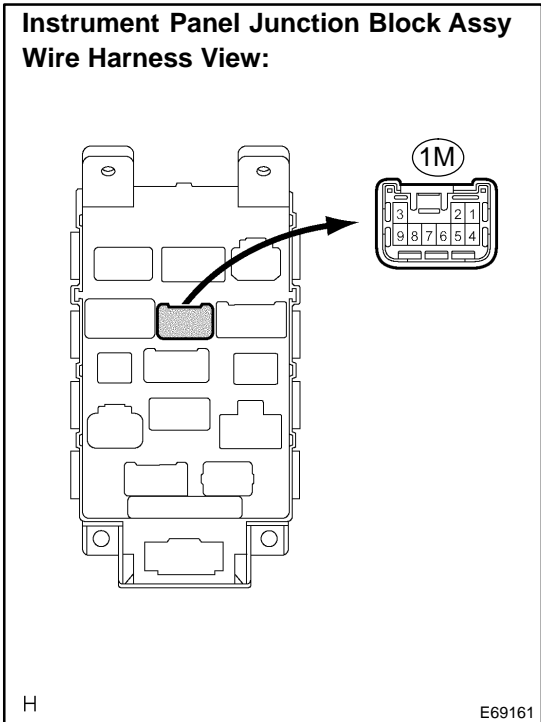
Tester connection	Condition	Specified condition
1M-4 - Body ground	Always	10 to 14 V

NG → **REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

OK

12 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY

**Instrument Panel Junction Block Assy
Wire Harness View:**



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

Standard:

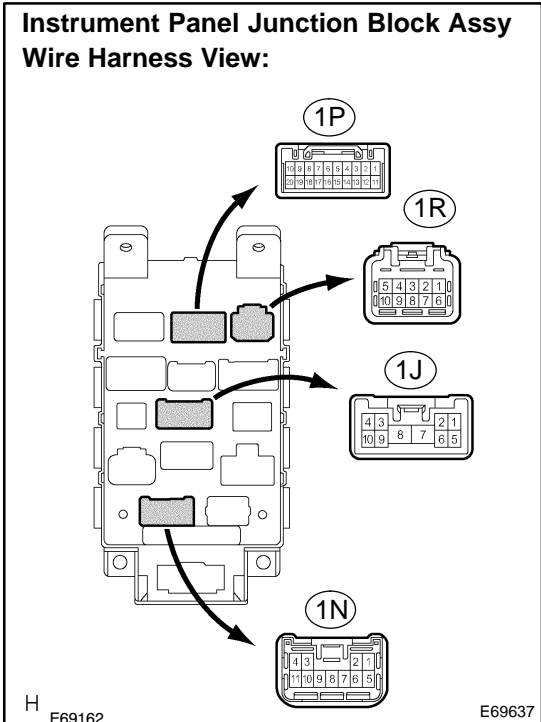
Tester connection	Condition	Specified condition
1M-9 - Body ground	Light control switch OFF	Below 1 V
1M-9 - Body ground	Light control switch in TAIL or HEAD position	10 to 14 V

NG REPAIR OR REPLACE HARNESS OR CONNECTOR (See page 01-30)

OK

13 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY

**Instrument Panel Junction Block Assy
Wire Harness View:**



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

Standard:

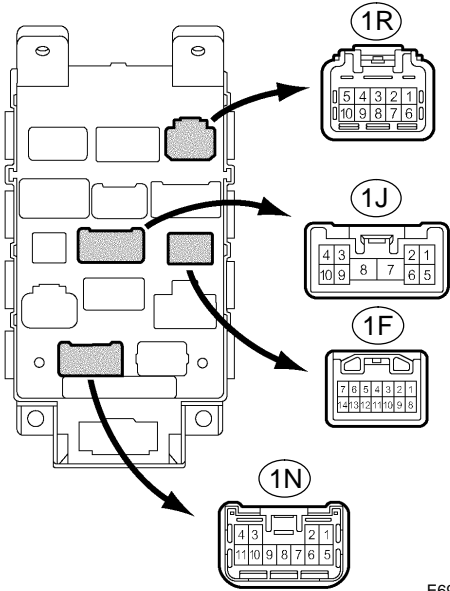
Tester connection	Condition	Specified condition
1F-10 - Body ground	Light control switch OFF → TAIL or HEAD	Below 1 V → 10 to 14 V
1J-2 - Body ground	Light control switch OFF → TAIL or HEAD	Below 1 V → 10 to 14 V
1N-5 - Body ground	Light control switch OFF → TAIL or HEAD	Below 1 V → 10 to 14 V
1R-9 - Body ground	Light control switch OFF → TAIL or HEAD	Below 1 V → 10 to 14 V

NG REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY

OK

14 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY

**Instrument Panel Junction Block Assy
Wire Harness View:**



- (a) Disconnect 1F, 1J, 1N, 1R connector of the instrument panel junction block assy.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
1R-7 - 1F-11	Always	Below 1 Ω
1R-7 - 1J-6	Always	Below 1 Ω
1R-7 - 1N-2	Always	Below 1 Ω

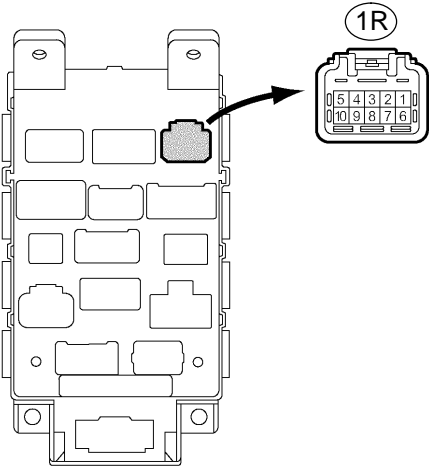
NG **REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

OK

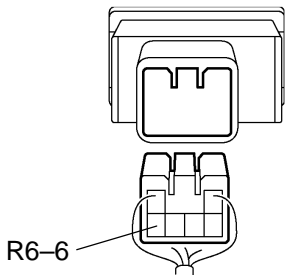
15 CHECK HARNESS AND CONNECTOR(INSTRUMENT PANEL JUNCTION BLOCK ASSY - LIGHT CONTROL RHEOSTAT)

Wire Harness View:

Instrument Panel Junction Block Assy



(R6) Light Control Rheostat



H E69164
E69145

E69272

- (a) Disconnect 1R connector of the instrument panel junction block assy and light control rheostat connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
1R-7 - R6-6	Always	Below 1 Ω
1R-7 - Body ground	Always	10 kΩ or higher

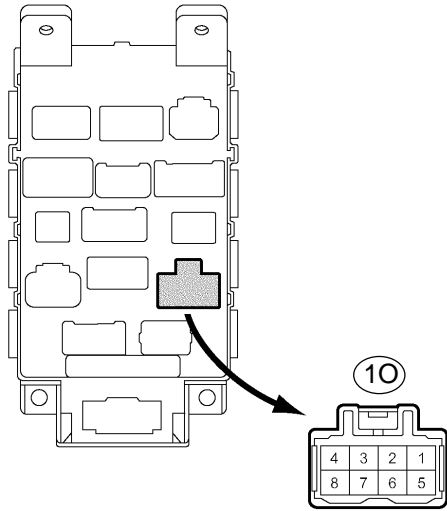
NG REPAIR OR REPLACE HARNESS OR CONNECTOR (INSTRUMENT PANEL JUNCTION BLOCK ASSY - LIGHT CONTROL RHEOSTAT)

OK

**REPAIR OR REPLACE HARNESS OR CONNECTOR (EACH OF ILLUMINATION CIRCUIT)
(See page 01-30)**

16 CHECK HARNESS AND CONNECTOR(INSTRUMENT PANEL JUNCTION BLOCK ASSY - BODY GROUND)

Instrument Panel Junction Block Assy Wire Harness View:



H

E69165

- (a) Disconnect 1O connector of the instrument panel junction block assy.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

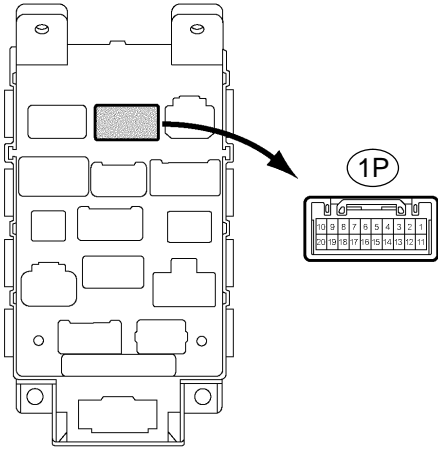
Tester connection	Condition	Specified condition
1O-2 - Body ground	Always	Below 1 Ω

NG REPAIR OR REPLACE HARNESS OR CONNECTOR (See page 01-30)

OK

17 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY

**Instrument Panel Junction Block Assy
Wire Harness View:**



H

E69166

- (a) Disconnect 1P connector of the instrument panel junction block assy.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
1P-14 - Body ground	Always	Below 1 Ω

NG → **REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (INSTRUMENT PANEL JUNCTION BLOCK ASSY - LIGHT CONTROL RHEOSTAT) (See page 01-30)