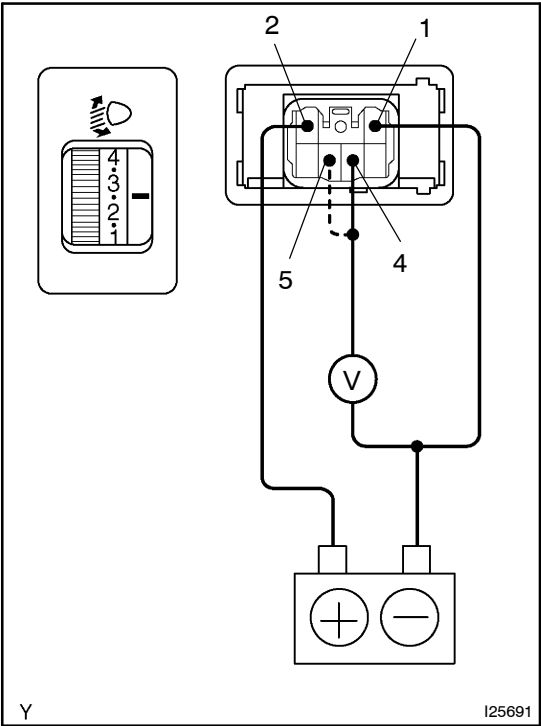




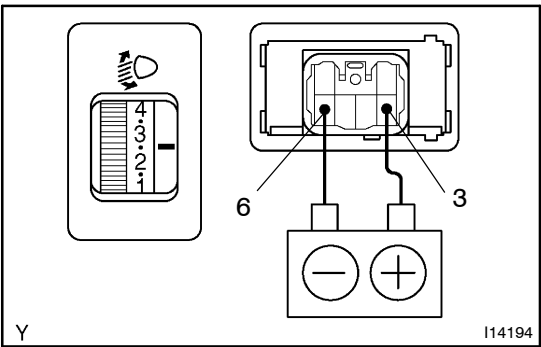
INSPECTION

1. INSPECT HEADLIGHT BEAM LEVEL CONTROL SWITCH VOLTAGE

Measure the voltage between terminal 4 and 1, or 5 and 1.

Switch position	Voltage
0	Approx. 10.8 V
1	Approx. 9.5 V
2	Approx. 8.2 V
3	Approx. 7.0 V
4	Approx. 5.7 V
5	Approx. 4.4 V

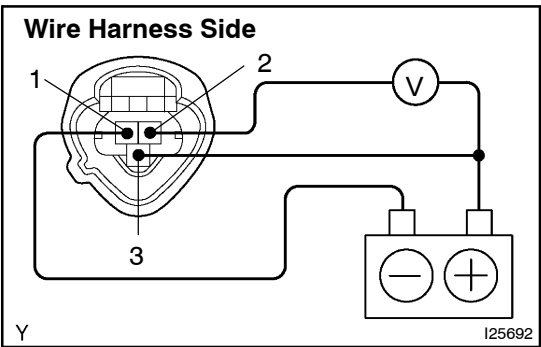
If voltage is not as specified, replace the switch.



2. INSPECT HEADLIGHT BEAM LEVEL CONTROL SWITCH ILLUMINATION

Connect the battery positive (+) lead to terminal 3 and the battery negative (-) lead to terminal 6, and check that the illumination light comes on.

If operation is not as specified, replace the switch.

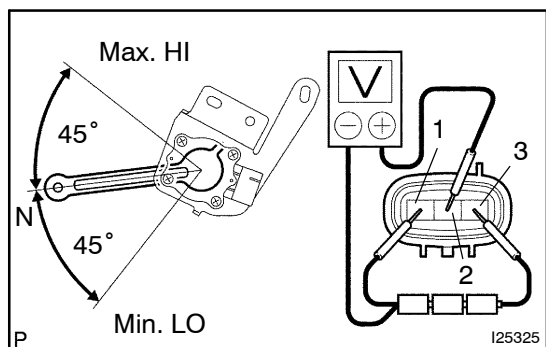


3. INSPECT HEADLIGHT BEAM LEVEL CONTROL ACTUATOR CIRCUIT

Disconnect the connector and inspect the connector on the wire harness as shown in the chart below.

Switch position	Voltage
0	Approx. 10.8 V
1	Approx. 9.5 V
2	Approx. 8.2 V
3	Approx. 7.0 V
4	Approx. 5.7 V
5	Approx. 4.4 V

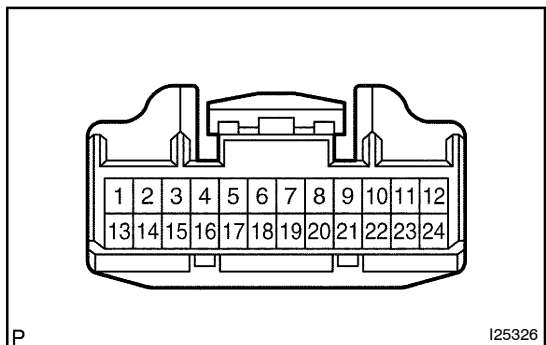
If voltage is as specified, replace the actuator.

**4. w/ HID:****INSPECT REAR HEIGHT CONTROL SENSOR**

- Connect 3 dry batteries of 1.5 V in series.
- Connect terminal 3 to the batteries' positive (+) terminal, and terminal 1 to the batteries' negative (-) terminal, then apply about 4.5 V between terminals 1 and 3.
- Measure the voltage between terminals 1 and 2, while the height control sensor link is slowly moved up and down.

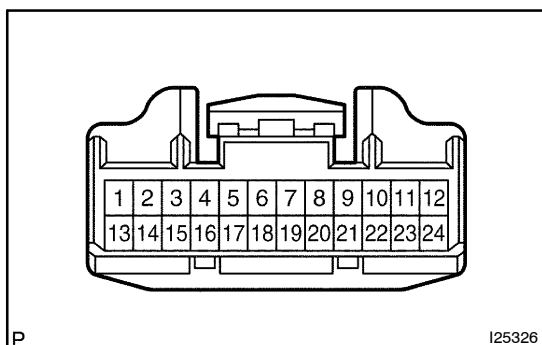
Sensor Link Position	Voltage
Max. HI	Approx. 4.1 V
N	Approx. 2.3 V
Min. LO	Approx. 0.5 V

If voltage is not as specified, replace the height control sensor.

**5. INSPECT HEADLIGHT BEAM LEVEL CONTROL ECU CIRCUIT****Connector disconnected:**

Disconnect the connector from ECU, and inspect the connector on the wire harness side as shown in the table below.

Tester connection	Condition	Specified condition
1 – 24	Ignition switch is ON.	10 – 14 V
24 – GND	Always	Continuity
2 – 20	Always	4.3 – 1.3 Ω
5 – 20	Always	2.2 k Ω (When the vehicle is empty.) Resistance changes depending on the rear vehicle height.
10 – 24	Headlight is lighting.	10 – 14 V
16 – GND	The passenger seat is occupied and the seat belt is not fastened.	Continuity
17 – GND	The passenger seat is occupied and the seat belt is fastened.	Continuity



6. INSPECT HEADLIGHT BEAM LEVEL CONTROL ECU CIRCUIT

Connector connected:

Inspect the connector of the headlight beam level control ECU with the connector being connected as shown in the table.

Tester connection	Condition	Specified condition
3 – 22	Headlight is ON, the vehicle is parked, while the vehicle height changes.	1 – 11 V (★)
4 – 23	Headlight is ON, the vehicle is parked, while the vehicle height changes.	1 – 11 V (★)
13 – 22	Ignition switch is ON.	10 – 14 V
14 – 23	Ignition switch is ON.	10 – 14 V
12 – 24	While the vehicle is in motion.	Vehicle speed pulse
11 – 24	Ignition switch is ON, headlight beam level control system operates normally.	10 – 14 V

★Value changes between 1 V to 11 V depending on the rear vehicle height.

If the circuit is not as specified, replace the ECU.