

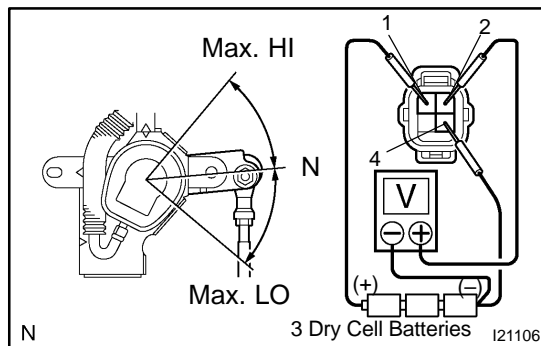
INSPECTION

1. INSPECT HEADLIGHT BEAM LEVEL CONTROL ACTUATOR RESISTANCE

- Check that continuity exists between terminals 2 and 5.
- Check that resistance exists between terminals, as shown in the chart.

Terminal	Resistance (Ω)
2 – 1	26 – 30
2 – 3	26 – 30
2 – 4	26 – 30
2 – 6	26 – 30
5 – 1	26 – 30
5 – 3	26 – 30
5 – 4	26 – 30
5 – 6	26 – 30

If resistance value is not as specified, replace the actuator.

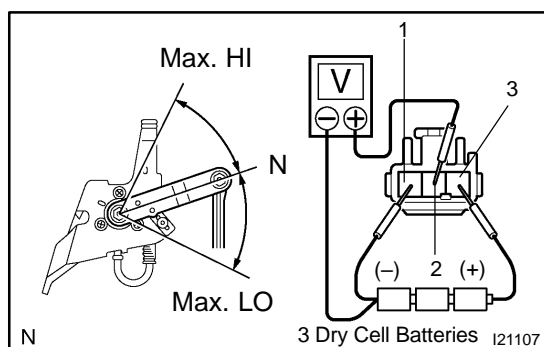


2. INSPECT FRONT HEIGHT CONTROL SENSOR

- Connect 3 dry batteries of 1.5 V in series.
- Connect terminal 1 to the batteries' positive (+) terminal, and terminal 4 to the batteries' negative (–) terminal, then apply voltage about 4.5 V between terminals 1 and 4.
- Measure the voltage between terminals 2 and 4, when the height control sensor link is slowly moved up and down.

Sensor Link Position	Voltage
Max. HI	Approx. 4.05 V
N	Approx. 2.25 V
Min. LO	Approx. 0.45 V

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

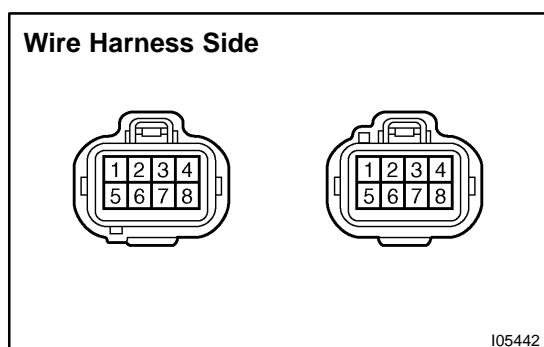


3. INSPECT REAR HEIGHT CONTROL SENSOR

- 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 voltage about 4.5 V between terminals 1 and 3.
- Measure the voltage between terminals 1 and 2, when the height control sensor link is slowly moved up and down.

Sensor Link Position	Voltage
Max. HI	Approx. 4.05 V
N	Approx. 2.25 V
Min. LO	Approx. 0.45 V

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

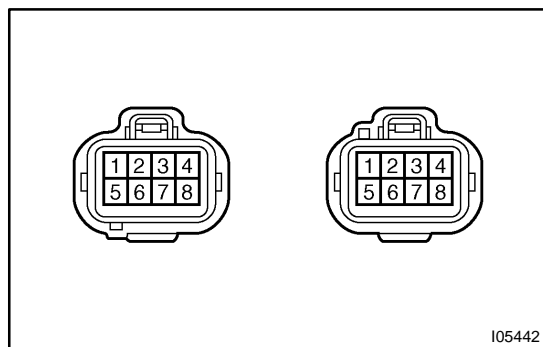


4. Connector disconnected: INSPECT HEADLIGHT BEAM LEVEL CONTROL ECU CIRCUIT

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

Tester connection	Condition	Specified condition
A1 – A5	Ignition switch OFF	26 – 30 Ω
A1 – A6	Ignition switch OFF	26 – 30 Ω
A1 – A7	Ignition switch OFF	26 – 30 Ω
A1 – A8	Ignition switch OFF	26 – 30 Ω
A4 – B4	Ignition switch ON and light control switch HEAD	Below 1.5 V
B1 – B3	Ignition switch OFF	3.5 – 6.5 k Ω
B5 – B7	Ignition switch OFF	3.5 – 6.5 k Ω
A4 – Ground	Ignition switch OFF	Continuity

If circuit is not as specified, perform the inspection on the following pages.



5. Connector connected: INSPECT HEADLIGHT BEAM LEVEL CONTROL ECU CIRCUIT

Connect the connector from the ECU and inspect the connector, as shown in the table.

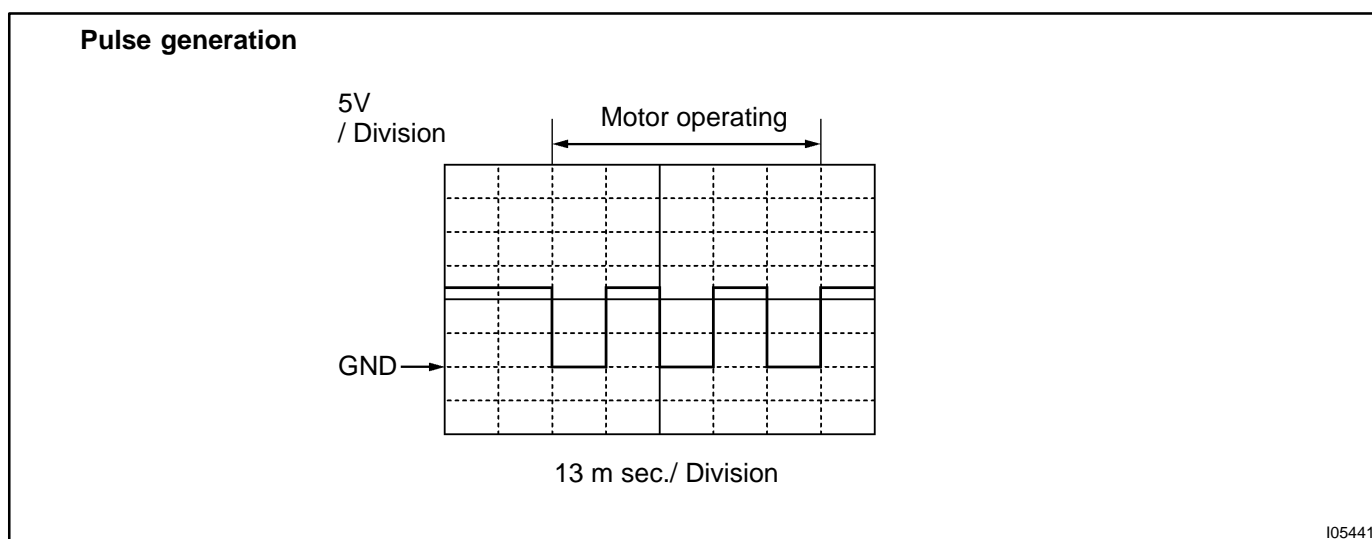
Tester connection	Condition	Specified condition
A1 – A4	Ignition switch ON	Battery positive voltage
A1 – A5	Ignition switch ON, when stopping and bouncing the vehicle.	Pulse generation
A1 – A6	Ignition switch ON, when stopping and bouncing the vehicle.	Pulse generation
A1 – A7	Ignition switch ON, when stopping and bouncing the vehicle.	Pulse generation
A1 – A8	Ignition switch ON, when stopping and bouncing the vehicle.	Pulse generation
B2 – B3	Ignition switch ON	Approx. 2.5 V
B6 – B7	Ignition switch ON	Approx. 2.5 V
B1 – B3 B5 – B7	Ignition switch ON	5 V

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

Reference INSPECTION USING OSCILLOSCOPE

HINT:

The correct waveform is as shown in the illustration.



I05441