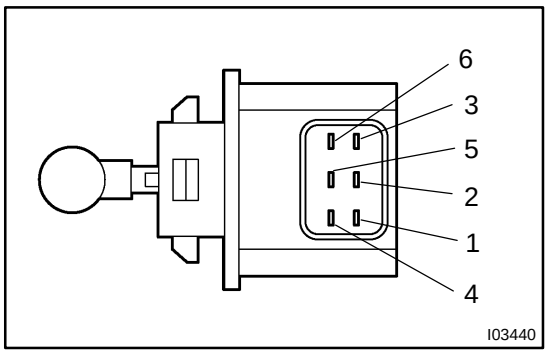
BE0BI–01

INSPECTION



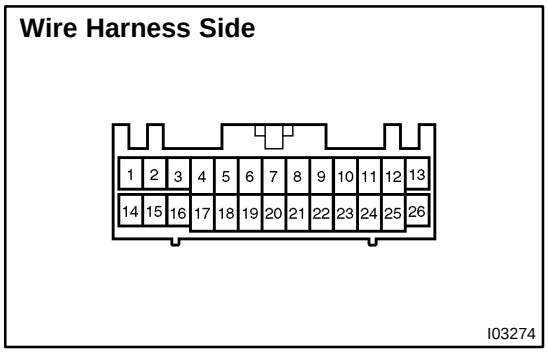
1. INSPECT HEADLIGHT BEAM LEVEL CONTROL ACTUATOR RESISTANCE

(a) Check that continuity exists between terminal 2 and 5.

(b) Check that resistance exists between terminal, 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.



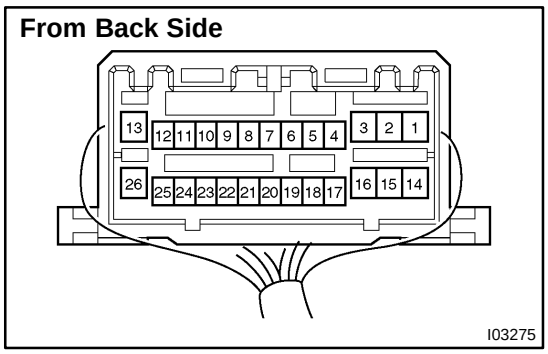
2. INSPECT HEADLIGHT BEAM LEVEL CONTROL ECU CIRCUIT

Connector disconnected:

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

Tester connection	Condition	Specified condition
1 – 4	Ignition switch OFF	26 – 30 Ω
1 – 5	Ignition switch OFF	26 – 30 Ω
1 – 6	Ignition switch OFF	26 – 30 Ω
1 – 7	Ignition switch OFF	26 – 30 Ω
1 – 17	Ignition switch OFF	26 – 30 Ω
1 – 18	Ignition switch OFF	26 – 30 Ω
1 – 19	Ignition switch OFF	26 – 30 Ω
1 – 20	Ignition switch OFF	26 – 30 Ω
10 – 25	Ignition switch OFF	Continuity
21 – 25	Ignition switch OFF	Continuity
24 – 25	Ignition switch OFF	Continuity
13 – Ground	Ignition switch OFF	Continuity
26 – Ground	Ignition switch OFF	Continuity

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



3. INSPECT HEADLIGHT BEAM LEVEL CONTROL ECU CIRCUIT

Connector connected:

Connect the connector from the ECU and inspect the connector on the back side, as shown in the chart.

Tester connection	Condition	Specified condition
1 – 13	Ignition switch ON	Battery positive voltage
4 – 13, 26	Ignition switch ON, when keep and bounce the vehicle	*1 Pulse generation
5 – 13, 26	Ignition switch ON, when keep and bounce the vehicle	*1 Pulse generation
6 – 13, 26	Ignition switch ON, when keep and bounce the vehicle	*1 Pulse generation
7 – 13, 26	Ignition switch ON, when keep and bounce the vehicle	*1 Pulse generation
10 – 25	Ignition switch ON	Approx. 2.5 V
12 – 13	Ignition switch ON	No continuity
26 – Body ground	Ignition switch OFF	Continuity (w/ Electrical modulated air suspension)
13 – 15	Ignition switch ON and light control switch HEAD	Below 1.5 V
17 – 13, 26	Ignition switch ON, when keep and bounce the vehicle	*1 Pulse generation
18 – 13, 26	Ignition switch ON, when keep and bounce the vehicle	*1 Pulse generation
19 – 13, 26	Ignition switch ON, when keep and bounce the vehicle	*1 Pulse generation
20 – 13, 26	Ignition switch ON, when keep and bounce the vehicle	*1 Pulse generation
21 – 25	Ignition switch ON	Approx. 2.5 V
13 – 22		*2 Pulse generation
13 – 23		*2 Pulse generation
24 – 25	Ignition switch ON	5 V
13 – 25	Ignition switch OFF	Continuity
13 – Body ground	Ignition switch OFF	Continuity

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

Reference INSPECTION USING OSCILLOSCOPE

HINT:

The correct waveform is as shown in the illustration.