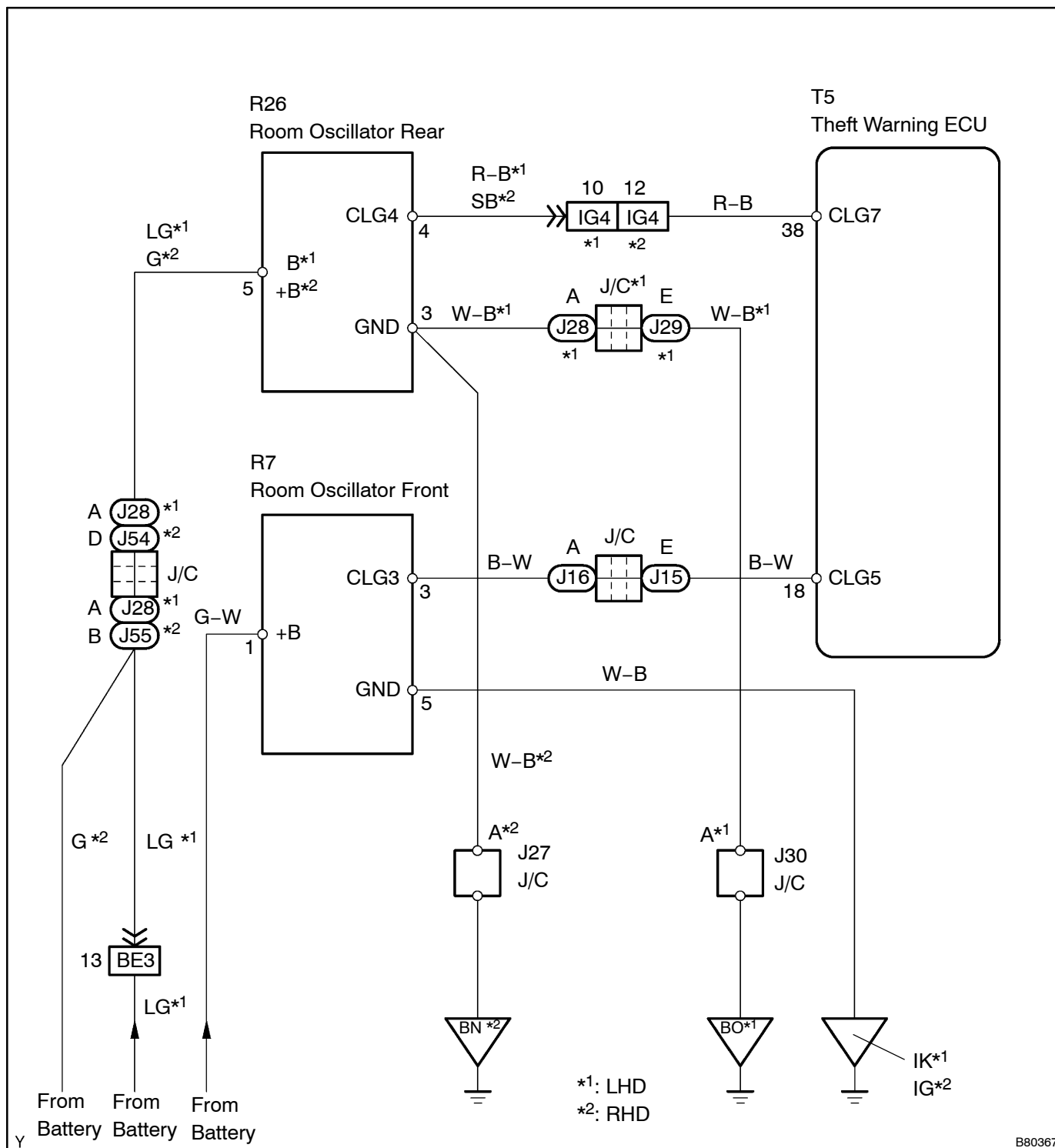# ROOM OSCILLATOR CIRCUIT

CIRCUIT DESCRIPTION

The theft warning ECU activates the front and rear room oscillators. The power is supplied from the driver side J/B to both the room oscillators. The front and rear room oscillator circuits have the same wiring. If the smart key system does not operate properly inside the vehicle, check the circuit for these circuits.
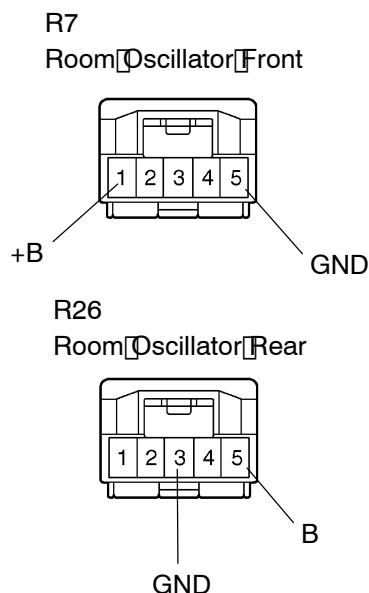
WIRING DIAGRAM

B80367

INSPECTION PROCEDURE

1	CHECK WIRE HARNESS (ROOM OSCILLATOR FRONT AND ROOM OSCILLATOR REAR – BODY GROUND)

Wire Harness Side

R7
Room Oscillator Front

+B   GND

R26
Room Oscillator Rear

GND   B

B80377

(a) Disconnect the R7 and R26 oscillator connectors.

(b) Measure the voltage and resistance between the wire harness side connectors and body ground.

Standard:

Room oscillator front:

Tester Connection	Specified Condition
R7-5 (GND) – Body ground	Below 1 Ω
R7-1 (+B) – Body ground	10 to 14 V

Room oscillator rear:

Tester Connection	Specified Condition
R26-3 (GND) – Body ground	Below 1 Ω
R26-5 (B) – Body ground	10 to 14 V

NG >	REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

2	PERFORM ACTIVE TEST USING INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.

(b) Turn the ignition switch ON and press the intelligent tester II main switch ON.

(c) Select the item below in the ACTIVE TEST and then check that the oscillator operates.

Theft warning ECU:

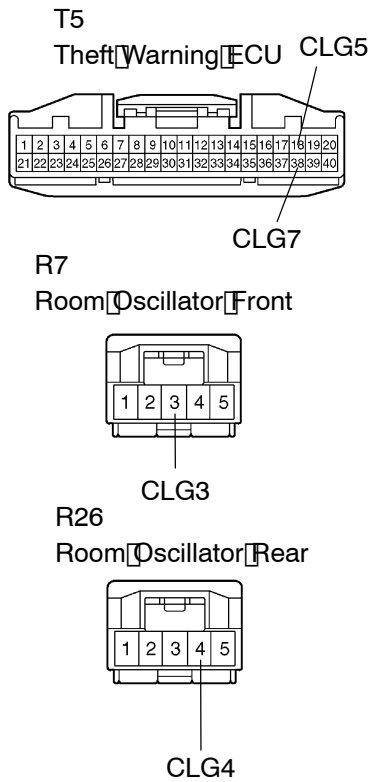| Item	Test Details	Diagnostic Note
Front room oscillator	Outputs/Stops	–
Rear room oscillator	Outputs/Stops	–

NG >	Go to step 3

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05-2634)

3	CHECK WIRE HARNESS (THEFT WARING ECU – ROOM OSCILLATOR FRONT AND ROOM OSCILLATOR REAR)

Wire Harness Side

T5
Theft Warning ECU   CLG5

CLG7

R7
Room Oscillator Front

CLG3

R26
Room Oscillator Rear

CLG4

B80330

(a) Disconnect the T5 ECU connector.

(b) Disconnect the R7 room oscillator front assy connector.

(c) Disconnect the R26 room oscillator rear assy connector.

(d) Measure the resistance of between the wire harness side connectors.

Standard:

Room oscillator front:

Tester Connection	Specified Condition
T5–18 (CLG5) – R7–3 (CLG3)	Below 1 Ω

Room oscillator rear:

Tester Connection	Specified Condition
T5–38 (CLG7) – R26–4 (CLG4)	Below 1 Ω

NG ▷ **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE