Power Slide Door Warning Buzzer RH does not Sound

DESCRIPTION

- The power slide door system uses warning buzzers built into RH slide doors respectively. Each buzzer has 2 ways of sounding that are used differently according to the situations:
  (a) When all the following conditions are met, the warning buzzer sounds at a cycle of 0.3 seconds:
    * The ignition switch is turned ON.
    * The shift lever is moved into any position except P position.
    * The slide door is open or the power slide door is activated to open.
      The warning buzzer continues to sound until the slide door is fully closed or the shift lever is moved into the P position.
  (b) While the power slide door is operating, the warning buzzer that notifies that the door is moving sounds at a cycle of 0.7 seconds. This stops sounding when the power slide door stops. This way of sounding is set to OFF at factory (default setting) and can be customized when required.
- The power slide door ECU RH directly sends a signal to the warning buzzer.

HINT:

- Only item 2 can be customized (See page ED-15).
- If both items occur at the same time, item 1 is prior to the other.

WIRING DIAGRAM

See page ED-50.

INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST BY INTELLIGENT TESTER

(a) Select the ACTIVE TEST and then check that the power slide door warning buzzer RH operates.
HINT:
During the ACTIVE TEST, the intelligent tester sends a signal to the power slide door ECU RH to activate the warning buzzer. If the warning buzzer is activated, the warning buzzer itself and the wire harness between the warning buzzer and power slide door ECU RH are considered to be functioning normally.

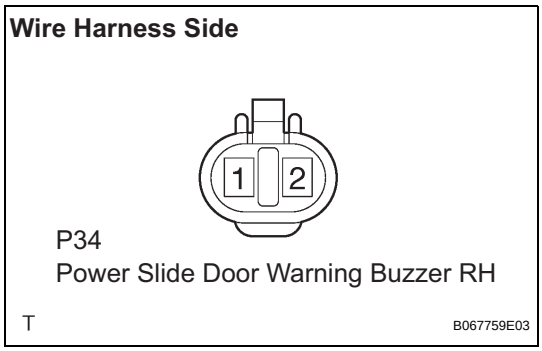
OK (Power slide door ECU RH):

Item	Normal Condition	Diagnostic Note
PSD BUZZER	Power slide door warning buzzer sound OFF / ON	-

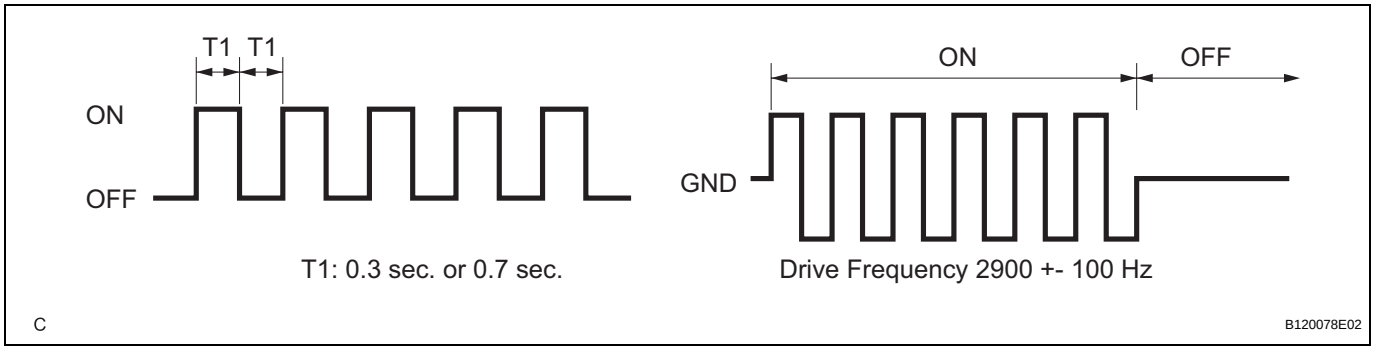
OK → **REPLACE POWER SLIDE DOOR ECU RH AND RE-CHECK BUZZER SYSTEM**

NG

2	CHECK WIRE HARNESS (POWER SLIDE DOOR WARNING BUZZER RH - BODY GROUND)



(a) Remove the buzzer connector.
(b) Inspect the buzzer connector side voltage.



NOTICE:
Use an oscilloscope to check the output voltages of the buzzer.

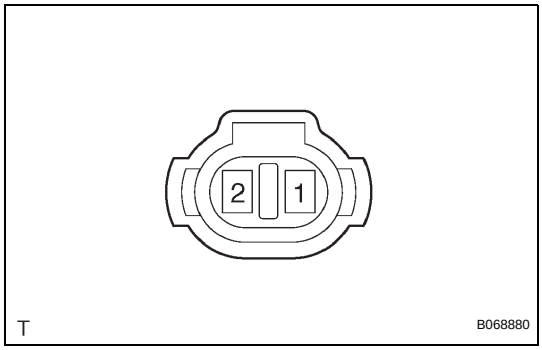
Voltage

Terminal No.	Measurement Condition	Specified Condition
P34-1 - Body ground	Condition that causes the buzzer to sound are met (See CIRCUIT DESCRIPTION)	10 to 14 V (a cycle of 0.3 sec. or 0.7 sec.)

NG → **Go to step 4**

OK

3	INSPECT POWER SLIDE DOOR WARNING BUZZER RH



(a) Check the resistance of the buzzer.
Resistance

Terminal No.	Specified Condition
1 - 2	Approx. 1 kΩ

NOTICE:
- **The circuit that causes the buzzer to sounds is built into the slide door ECU, not around the buzzer.**
- **Directly applying battery voltage to the buzzer does not cause the buzzer to sound.**

NG → **REPLACE POWER SLIDE DOOR WARNING BUZZER RH**

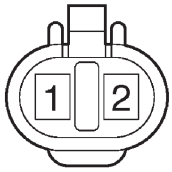
ED

OK

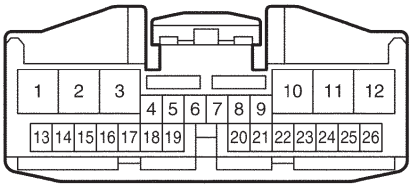
4	CHECK WIRE HARNESS (POWER SLIDE DOOR WARNING BUZZER RH - POWER SLIDE DOOR ECU RH)

Wire Harness Side

P34 Power Slide Door Warning Buzzer RH



P27 Power Slide Door ECU RH



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(a) Disconnect the P34 buzzer and the P27 ECU connectors.
(b) Check the resistance between the wire harness side connectors.

Resistance (Check for open circuit)

Terminal No.	Specified Condition
P34-1 - P27-2 (BZR+)	Below 1 Ω
P34-2 - P27-1 (BZR-)	

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

OK

REPLACE POWER SLIDE DOOR ECU RH