ANSWER-BACK BUZZER DOES NOT SOUND [SECURITY AND LOCKS]

id0903k7012500

Description

- The keyless beeper does not sound when door lock/unlock operation is performed using the remote transmitter button.

Possible cause

- Keyless beeper malfunction
- Short to power supply in wiring harness between the following terminals:
  - — Keyless beeper terminal A and LF control unit terminal L
  - — Keyless beeper terminal B and LF control unit terminal N
- Short to ground in wiring harness between the following terminals:
  - — Keyless beeper terminal A and LF control unit terminal L
  - — Keyless beeper terminal B and LF control unit terminal N
- Open circuit in wiring harness between the following terminals:
  - — Keyless beeper terminal A and LF control unit terminal L
  - — Keyless beeper terminal B and LF control unit terminal N
  - — Start stop unit terminal 1AF and ground
  - — Start stop unit terminal 2B and ground
- Personalization feature not set

Diagnostic Procedure

Step	Inspection		Action
1	**VERIFY PERSONALIZATION FEATURES SETTING** • Verify the volume of the keyless beeper for the personalization features. (See SECURITY AND LOCKS PERSONALIZATION FEATURES SETTING PROCEDURE.) • Has the volume of the keyless beeper been set to off?	Yes	Set the volume so that the keyless beeper sounds and verify the operation. **Operation is verified:** • Troubleshooting completed. (Explain the servicing contents to the customer.) **Operation is not verified:** • Go to the next step.
		No	Go to the next step.
2	**INSPECT IF MALFUNCTION CAUSE IS SHORT TO GROUND IN WIRING HARNESS BETWEEN KEYLESS BEEPER AND LF CONTROL UNIT** • Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Disconnect the LF control unit connector. • Inspect for continuity between the following wiring harness terminals (vehicle wiring harness side) and body ground. — LF control unit terminal L and ground — LF control unit terminal N and ground • Is there continuity?	Yes	• Repair or replace the wiring harness which is shorted to ground. • After repair procedure, go to Step 6.
		No	Go to the next step.

Step	Inspection		Action
3	**INSPECT IF MALFUNCTION CAUSE IS SHORT TO POWER SUPPLY IN WIRING HARNESS BETWEEN KEYLESS BEEPER AND LF CONTROL UNIT** • Verify that the LF control unit connector is disconnected. • Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Measure the voltage at the following terminals (vehicle wiring harness). — LF control unit terminal L — LF control unit terminal N • Is there any voltage?	Yes	• Repair or replace the wiring harness which is shorted to power supply. • After repair procedure, go to Step 6.
		No	Go to the next step.
4	**INSPECT IF MALFUNCTION CAUSE IS OPEN CIRCUIT IN WIRING HARNESS BETWEEN START STOP UNIT AND GROUND** • Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Verify that the start stop unit connector is disconnected. • Inspect for continuity between the following terminals (vehicle wiring harness). — Start stop unit terminal 1AF and ground — Start stop unit terminal 2B and ground • Is there continuity?	Yes	Go to the next step.
		No	• Repair or replace the wiring harness for an open circuit. • After repair, go to Step 6.
5	**INSPECT IF MALFUNCTION CAUSE IS OPEN CIRCUIT IN WIRING HARNESS BETWEEN KEYLESS BEEPER AND LF CONTROL UNIT OR KEYLESS BEEPER** • Disconnect the keyless beeper connector • Inspect for continuity between the following terminals (vehicle wiring harness). — Keyless beeper terminal A and LF control unit terminal L — Keyless beeper terminal B and LF control unit terminal N • Is there continuity?	Yes	• Replace the keyless beeper. (See KEYLESS BEEPER REMOVAL/INSTALLATION.) • After replacement, go to the next step.
		No	• Repair or replace the wiring harness for an open circuit. • After repair, go to the next step.
6	**VERIFY IF MALFUNCTION CAUSE WAS CORRECTED** • Does the keyless beeper sound?	Yes	Troubleshooting completed. (Explain the contents of the servicing to the customer.)
		No	If the malfunction has not been resolved, repeat the inspection from Step 1.