

INDICATOR LIGHT DOES NOT ILLUMINATE [PARKING SENSOR]

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Note

- If there is any vehicle malfunction complaint lodged by a customer, perform FOREWORD [PARKING SENSOR] malfunction diagnosis according to the troubleshooting procedure.

Description

- The parking sensor indicator does not illuminate (buzzer is normal) when the parking sensor switch/indicator is turned on.
- The parking sensor indicator does not illuminate (buzzer is normal) even though the detection condition is met.

Possible malfunction

- Parking sensor switch/indicator malfunction
 - Open circuit or short to ground in wiring harness between climate control unit terminal 1B and parking sensor control module terminal V
 - Open circuit or short to ground in wiring harness between climate control unit terminal 1A and parking sensor control module terminal S
 - Parking sensor switch/indicator malfunction (parking sensor switch/indicator stuck open)
- Parking sensor switch/indicator malfunction
- Parking sensor control module malfunction

Diagnostic Procedure

Step	Inspection		Action
1	INSPECT IF MALFUNCTION CAUSE IS OPEN CIRCUIT IN PARKING SENSOR SWITCH/ INDICATOR SIGNAL WIRING HARNESS <ul style="list-style-type: none">• Switch the ignition off (LOCK).• 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 connectors of the climate control unit and parking sensor control module.• Inspect for continuity between the following wiring harnesses:<ul style="list-style-type: none">— Climate control unit terminal 1B and parking sensor control module terminal V— Climate control unit terminal 1A and parking sensor control module terminal S• Is there continuity?	Yes	Go to the next step.
		No	Repair for an open circuit in the wiring harness.
2	INSPECT IF MALFUNCTION CAUSE IS SHORT TO GROUND IN PARKING SENSOR SWITCH/ INDICATOR SIGNAL WIRING HARNESS <ul style="list-style-type: none">• Inspect for continuity between the following wiring harnesses:<ul style="list-style-type: none">— Parking sensor control module terminal V and ground— Parking sensor control module terminal S and ground• Is there continuity?	Yes	Repair or replace the wiring harness.
		No	Go to the next step.

Step	Inspection	Action
3	INSPECT PARKING SENSOR SWITCH/INDICATOR <ul style="list-style-type: none"> • Reconnect all the disconnected connectors. • 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].) • Switch the ignition ON (engine off or on). • Measure the voltages at parking sensor control module terminals S and V when the parking sensor switch is turned off (indicator turns off). • Is terminal S battery voltage and is terminal V approx. 5 V? 	Yes Replace the climate control unit. (See CLIMATE CONTROL UNIT REMOVAL/INSTALLATION [FULL-AUTO AIR CONDITIONER].) Note <ul style="list-style-type: none"> • The parking sensor switch/indicator is integrated with the climate control unit.
		No Replace the parking sensor control module. (See PARKING SENSOR CONTROL MODULE REMOVAL/INSTALLATION.)