

On-Board Diagnostic Features

The left and right power sliding door systems operate as independent systems. The on-board diagnostic modes are entered and operate the same in both systems.

The power sliding door systems are capable of the following on-board diagnostic functions:

- Diagnostic Mode 1: An audible signal indicates the diagnostic trouble codes stored by the rear side door actuator control module.
- Diagnostic Mode 2: An audible signal indicates when inputs to the rear side door actuator control module are active.
- Diagnostic Mode 3: Performs an output test of the sliding door unlatch actuator.

Entering On-Board Diagnostics

The on-board diagnostic modes can only be entered in a sequential order from modes 1–3.

- Enter the right power sliding door system on-board diagnostics using the right B-pillar open/close switch and the right on/off switch in the overhead console.
- Enter the left power sliding door system on-board diagnostics using the left B-pillar open/close switch and the left on/off switch in the overhead console.
 1. Both power sliding doors must be closed and in the latched position.
 2. Place the ignition switch in the OFF position.
 3. Place the on/off switch in the overhead console to the OFF position.
 4. Press and hold the B-pillar power sliding door open/close switch.
 5. While holding the open/close switch, operate the on/off switch through 10 ON and OFF cycles within 10 seconds stopping in the on position.
 6. The sliding door alarm will sound 1 long tone indicating diagnostic mode 1 is active.

Diagnostic Mode 1

Upon activating diagnostic mode 1, DTCs will begin to be signaled by the sliding door alarm. The DTCs are 2 digit codes and the codes are represented by the number of buzzes for each digit of the code number. For example a DTC 12 is represented with the following sequence: buzz, pause, buzz, buzz, long pause. Each DTC will be signaled 3 times before proceeding to the next DTC. Refer to [Diagnostic Trouble Code \(DTC\) List](#). The DTCs will continue to be repeated in this manner until the on-board diagnostics are exited or mode 2 is entered. When exiting the on-board diagnostics all stored DTCs will be erased from the rear side door actuator control module memory.

Diagnostic Mode 2

Enter the diagnostic mode 2 from mode 1 by proceeding with the following steps:

1. Press and hold the power sliding door open/close switch for 4 seconds.
2. Release the open/close switch when the alarm begins to sound.
3. The alarm will sound 2 long tones indicating diagnostic mode 2 is active.

During diagnostic mode 2 the sliding door alarm is used to indicate when the following inputs to the rear side door actuator control module are activated:

Power Sliding Door On/Off Switch

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Turn the on/off switch off and on. The alarm will sound one short tone when the switch is turned from the off to on position.

Power Sliding Door Open/Close Switch in the Overhead Console

Press the power sliding door open/close switch in the overhead console. The alarm will sound for as long as the switch is held in the open position.

Power Sliding Door B-pillar Open/Close Switch

Press the power sliding door B-pillar open/close switch. The alarm will sound for as long as the switch is held in the open position.

Keyless Entry System Open/Close Command

Press the open/close button on the keyless entry transmitter. The alarm will sound one short tone whenever an open or close command is received from the keyless entry system.

Sliding Door Detent Switch

Turn the power sliding door on/off switch on and slowly open and close the sliding door. The alarm will sound whenever the detent switch signal circuit is pulled to ground, indicated by 2 tones as the door is moved between the open and fully latched positions.

Ignition Switch On Signal

Turn the ignition switch on. The alarm will sound for as long as the ignition switch is in the on position.

The Transaxle Range Switch Park Position

Turn the ignition switch to off, one position forward of lock. Apply the brakes and move the transmission selector lever out of the park position. The alarm will sound for as long as the transaxle is out of park.

Diagnostic Mode 3

Enter the diagnostic mode 3 from mode 2 by proceeding with the following steps:

1. Press and hold the power sliding door open/close switch for 4 seconds.
2. Release the open/close switch when the alarm begins to sound.
3. The alarm will sound 3 long tones indicating diagnostic mode 3 is active.

Diagnostic mode 3 tests the operation of the sliding door unlatch actuator. Begin with the sliding door in the closed and latched position. Press either of the open/close switches and the power sliding door unlatch actuator will be energized unlatching the door. When the unlatch actuator is energized the door alarm will sound briefly. As long as the door lock switch plate plungers and pads remain in contact the open/close switch may be pressed and the unlock actuator will be energized and alarm sounded.

Exiting On-Board Diagnostics

When exiting the on-board diagnostics any DTCs stored by the rear side door actuator control module will be erased. In order to review the DTCs, diagnostic mode 1 may be entered from mode 3 by pressing the power sliding door open/close switch for 4 seconds. The on-board diagnostics may be exited from diagnostic modes 1 or 3 by turning power door on/off switch to the off position for a minimum of 10 seconds. After exiting the on-board diagnostics the power sliding door must be re-initialized. Refer to [Power Sliding Door \(PSD\) Re-Initialization](#).