

No	REPAIR or INSTALL a new roof opening panel shield (sunshade) as necessary. REFER to: Roof Opening Panel Shield .
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D5 CHECK THE ROOF OPENING PANEL MOTOR

Gain access to the roof opening panel motor.

Open the roof opening panel.

Does the motor make excessive noise?

Yes	INSTALL a new roof opening panel motor/module. REFER to: Roof Opening Panel Motor .
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No	ALIGN the roof opening panel glass. REFER to: Roof Opening Panel Alignment .
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DIAGNOSIS AND TESTING > ROOF OPENING PANEL > PINPOINT TESTS > PINPOINT TEST E : THE ROOF OPENING PANEL DOES NOT OPEN, CLOSE OR VENT

Refer to ROOF OPENING PANEL for schematic and connector information.

Normal Operation and Fault Conditions

The roof opening panel motor receives battery voltage at all times from BCM fuse F27 (30A), and receives ignition voltage (accessory delay) from BCM fuse F23 (10A). The roof opening panel motor and switch are grounded at G303. When the roof opening panel open switch is pressed, a ground signal is sent to the roof opening panel motor on the sunroof open circuit. When the roof opening panel close switch is pressed, a ground signal is sent to the roof opening panel motor on the sunroof close circuit. When the roof opening panel tilt switch is pressed, a ground signal is sent to the roof opening panel motor on the tilt/vent switch circuit. The motor responds to these signals dependant on the sliding glass panel and shield positions. One touch operation is accomplished by pressing any of the switches for less than 1 second. For more information on the operation, REFER to: Roof Opening Panel - System Operation and Component Description .

There is a communication circuit between the shield motor (sunshade) and the sunroof motor for back and fourth communication between the 2 motors only, and not for diagnostics. If the communication circuit between the sunroof motor and shield motor is open or shorted the sunroof motor will operate only to fully close the sliding glass, and the shield motor will not operate at all.

Possible Causes

- Fuses
- Wiring, terminals or connectors
- Roof opening panel motor/module assembly
- Roof opening panel control switch

Visual Inspection and Diagnostic Pre-checks

- BCM fuse F23 (10A)