

Connect all sunroof system and related in-line connectors and make sure they seat correctly.

Operate the system and verify the concern is still present.

Is the concern still present?

Yes	CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new roof opening panel motor and shield motor. REFER to: Roof Opening Panel Motor . TEST the system for normal operation. If the concern still exists, INSTALL a new roof opening panel control switch. REFER to: Roof Opening Panel Control Switch .
No	The system is operating correctly at this time. The concern may have been caused by a loose or corroded connector.

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Refer to ROOF OPENING PANEL for schematic and connector information.

Normal Operation and Fault Conditions

The shield (sunshade) 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 is grounded through circuit G303. When the shield (sunshade) open switch is pressed, a signal is sent to the shield (sunshade) motor on sunshade open circuit which causes the shield (sunshade) to open. When the shield (sunshade) close switch is pressed, a signal is sent to the shield (sunshade) motor on the sunshade close circuit which causes the shield (sunshade) to close.

If the K bus (communication) circuit between the sunroof motor and shield (sunshade) motor is open or shorted the sunroof motor will only fully close the sunroof one time, then not operate. Also, if the K bus circuit is open or shorted the shield (sunshade) motor will not operate but the roof opening panel close to the fully closed position 1 time.

If the shield is not open at least to the front of the rear glass (comport stop) and the shield should open to the comfort stop.

Possible Causes

- Fuse(s)
- Wiring, terminals or connectors
- Roof opening panel shield (sunshade) motor/module assembly
- Roof opening panel switch

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