

SPECIFICATIONS > SPECIFICATIONS

Item	Specification
Fixed glass panel to roof flushness, side (at front of glass)	0.0 in (0.0 mm)
Fixed glass panel to roof flushness, rear	0.0 in (0.0 mm)
Sliding glass panel to roof flushness, front	-0.04 - 0.0 in (-1.0 mm - 0.0 mm)
Sliding glass panel to fixed glass panel flushness	0.04 - 0.0 in (1.0 - 0.0 mm)

DESCRIPTION AND OPERATION > ROOF OPENING PANEL - SYSTEM OPERATION AND COMPONENT DESCRIPTION

System Operation

DESCRIPTION AND OPERATION > ROOF OPENING PANEL - SYSTEM OPERATION AND COMPONENT DESCRIPTION > SUNROOF SYSTEM FUNCTION

The roof opening panel motor and the shield motor are hard wired to both the BCM and the roof opening panel control switch. The only function of the BCM is to provide battery voltage and accessory delay voltage to the roof opening panel motor and battery voltage only to the shield motor. Both motors are interchangeable with the shield having one extra ground circuit which determines that it is the shield motor and that the roof opening panel motor is the master motor. The 2 motors communicate on a K Bus for interaction but there is no vehicle communication with the motors. The K Bus is only for communication between the motors and is not used for diagnostics. The roof opening panel control switch is hard wired to the roof opening panel motor with a sunroof open circuit, sunroof close circuit and a tilt/vent switch circuit. When the roof opening panel control switches are pressed a ground signal is sent to the roof opening panel motor to activate the respective switch request. The shield open and close switches are hard wired to the shield motor and operate the same as the roof opening panel motor.

DESCRIPTION AND OPERATION > ROOF OPENING PANEL - SYSTEM OPERATION AND COMPONENT DESCRIPTION > SWITCH OPERATION

The sunroof opening panel switches are located in the overhead console in the center of the overhead console switch bank. The sliding glass panel has 3 switches in-line, in the center of the switch bank, The forward switch is the close switch, the center switch is the vent switch, and the rear switch is the open switch. The two switches to the right side of the roof opening panel switches are the shield switches the first being shield close and then shield open. All of the roof opening panel switches are single position switches that can achieve one touch operation in either direction by pressing the switch for less than 1 second. For manual operation, simply press and hold the switch until the roof opening panel or shield is