

Service Bulletin

Bulletin No.: 18-NA-199

Date: January, 2019

TECHNICAL

Subject: Sunroof Inoperative After Cycling, and/or Sunroof Window Function Slow

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
Branu.	wiodei.	from	to	from	to		
Chevrolet	Equinox	2018	2019				
GMC	Terrain	2018	2019			All	All
Holden	Equinox	2018	2019				

Involved Region or Country	North America, N.A. Export Regions, Australia	
Additional Options (RPOs)	Equipped with ROOF-SUN, GLASS, SLIDING, ELEC, TRANSPARENT GLASS FIXED (C3U)	
Condition	Customer may comment that their sunroof is inoperative after cycling, and/or the sunroof the window opens/closes much slower in comparison to a like vehicle.	
	The cause of the condition may be that the sunroof is going into thermal protection mode due to one, or both, of the following:	
Cause	The sunroof supplier may have manufactured a span of sunroof motors are lacking the proper amount of grease.	
	The sunroof housing may be slightly skewed in relationship to the roof opening, causing a bind condition	
Correction	Inspect both sunroof motors for the supplier's Julian build date breakpoint and replace if necessary. If issue is not resolved, remove the sunroof housing locator pins, following the Service Procedure below.	

Service Procedure



5096951

1. Lower the headliner enough to inspect BOTH the sunroof window and sunshade motors, and also access the sunroof housing bolts. Refer to Headlining Trim Panel Replacement, in SI.

Page 2 January, 2019 Bulletin No.: 18-NA-199





5096958

Inspect the supplier's part label on BOTH sunroof motors for the Julian build date, shown circled in green in the graphic above.

Important: The Julian date is formatted Year/Month/ Day, so the example above would have been manufactured December 9, 2017. Therefore any motor before 180201 (February 1, 2018) is suspect.

- 3. Any motor manufactured prior to February 1, 2018 is in the suspect range, and will need replacement. Refer to Sunroof Window Motor Replacement and/ or Sunroof Sunshade Motor Replacement, in SI.
 - For vehicles with the new motors installed, cycle the sunroof 2 complete cycles. If condition is no longer present, no further repairs are necessary and the headliner can be reinstalled. Refer to Headlining Trim Panel Replacement, in SI.

Note: If condition is still present on vehicles WITH new motors installed, continue ahead to step #4 before reinstalling the headliner.

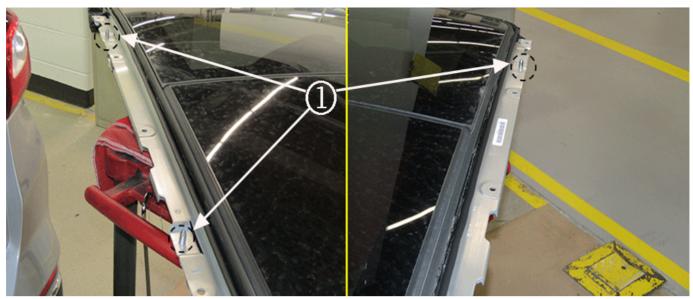
- For vehicles NOT in the suspect motor range, continue on to step #4 and complete the sunroof housing pin removal.
- 4. Remove the attachment bolts from the 4 corners of the sunroof housing.



5096966

Note: The longer bolts only need to be threaded into roof ring enough so they can bear the weight of the sunroof housing when it's lowered onto them.

- Partially install M6 x 1 thread x 75 mm (or slightly longer) bolts at the 4 corner locations of the housing.
- 6. Remove the remaining sunroof housing bolts and lower the housing onto the corner screws.

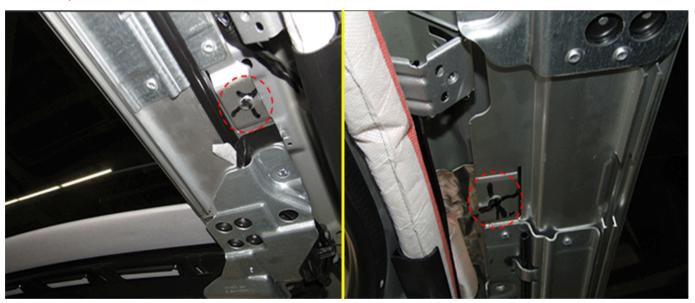


5096967

Note: The graphic above, and one following, shows the sunroof housing removed for clarification purposes only. It is not necessary to remove the housing from the vehicle.

7. Locate the 3 sunroof housing locator pins (1); 2 on the left side and 1 on the right.

Note: The graphic below shows an underside view of the locator pins, in vehicle.



5096975





5096983

 Using a C-clamp, or suitable tool, with a 5/8 in socket (1) centered on the underside of the pin, remove the 3 pins by driving them out of the housing.

Important: There must not be any sharp edges left at the pin locations when removal is completed.

- 9. To eliminate the risk of a sharp edge contacting any trim or airbag component, de-burr the 3 holes where the locators were removed.
- 10. Reposition the sunroof module to the roof and partially install by reinstalling and hand tightening the second set of fasteners removed. Then replace the longer fasteners at the 4 corners with the original bolts and hand tighten.
- 11. Allow the sunroof housing to center itself, and find a home position, by cycling the sunroof 2 complete cycles.
- 12. Fully tighten the sunroof housing bolts.

Tighten

Tighten the bolts to 9 Nm (80 lb in).

- 13. Before reinstalling the headliner, verify proper operation of the sunroof by cycling 2 more times.
 - If the sunroof is functioning properly, move to step #14 and reinstall the headliner.
 - If the sunroof is inoperative, or still exhibits a slow function condition, replace the sunroof housing. Refer to Sunroof Housing Replacement, in SI.
- 14. Reinstall the headliner. Refer to *Headlining Trim Panel Replacement*, in SI.

Parts Information

If necessary to replace, use the vehicle identification number (VIN), SI, and the GM Electronic Parts Catalog to determine the proper sunroof housing to order.

Causal Part	Description	Part Number	Qty
х	MOTOR ASM- SUN RF S/S (W/ CONT MDL	84287215	1, if necessary
х	MOTOR ASM- SUN RF WDO (W/ CONT MDL)	84287214	1, if necessary

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
6080288*	Remove/Reinstall Headliner, Inspect Sunroof Window and Sunshade Motors	1.9 hr
Add	Replace Sunroof Motors Only	0.3 hr
Add	Remove Sunroof Housing Locator Pins Only	0.7 hr
Add	Replace Motors AND Remove Locator Pins	0.9 hr
Add	Replace Sunroof Housing	1.9 hr
*This is a unique Labor Operat	ion for Bulletin use only.	

Version	2
Modified	Released June 25, 2018 Revised January 14, 2019 – Added Model year 2019, Updated Service Procedure for possible sunroof housing replacement, Updated Warranty Information.