



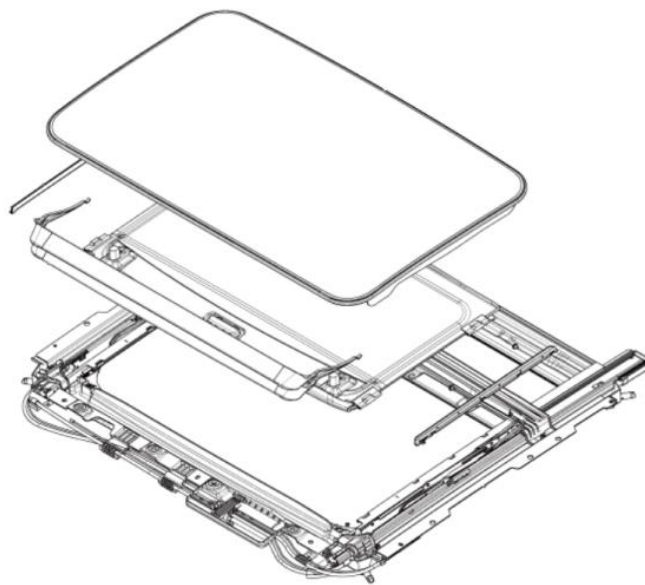
GROUP	MODEL
BOD	2020-2022MY Telluride (ON)
NUMBER	DATE
319	July 2023

## TECHNICAL SERVICE BULLETIN

# SUNROOF WIND DEFLECTOR ARMS AND MECHANISM PARTS REPLACEMENT

SUBJECT:

This bulletin provides information to perform a partial replacement of the sunroof wind deflector and mechanism arms on some 2019-2022MY Telluride (ON) vehicles produced from February 15, 2019 through January 19, 2022. The affected vehicles may experience the sunroof open/close operation inoperative and/or the sunroof wind deflector function inoperative. Follow the procedure outlined in this publication to perform a partial replacement of the sunroof wind deflector and mechanism arms.



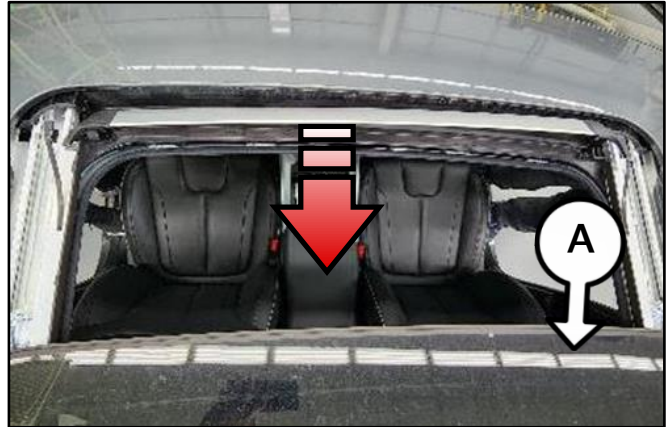
**Wind Deflector Replacement Procedure:**

1. Open the sunroof (A).

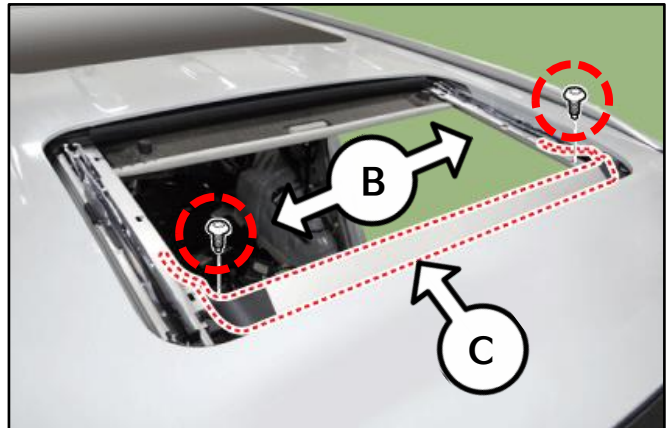
**Note:** If the sunroof will not open, the sunroof glass will need to be removed. Refer to 'Mechanism Partial Parts Replacement Procedure' steps 1-4 on page 4 to remove sunroof assembly.

**CAUTION**

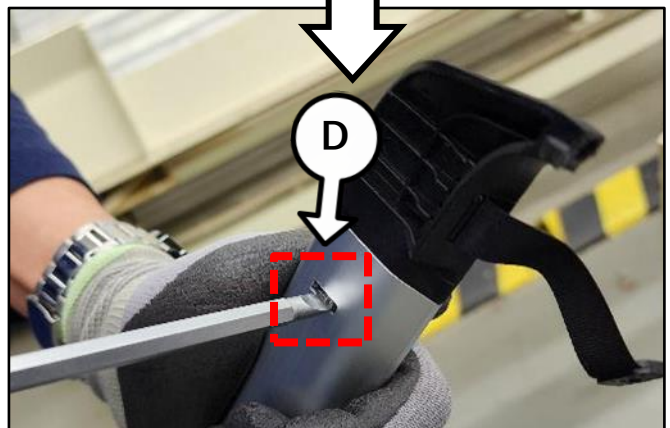
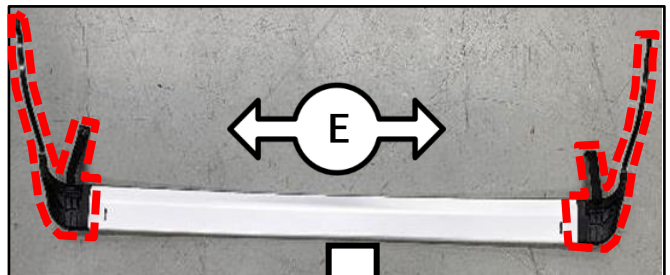
Be careful not to scratch, damage, and/or break the glass or roof during removal.



2. Loosen the two (2) mounting screws (B) to remove the wind deflector (C).



3. Using a flathead screwdriver, press the lock key (D) to disconnect the left and right wind deflector arms (E).



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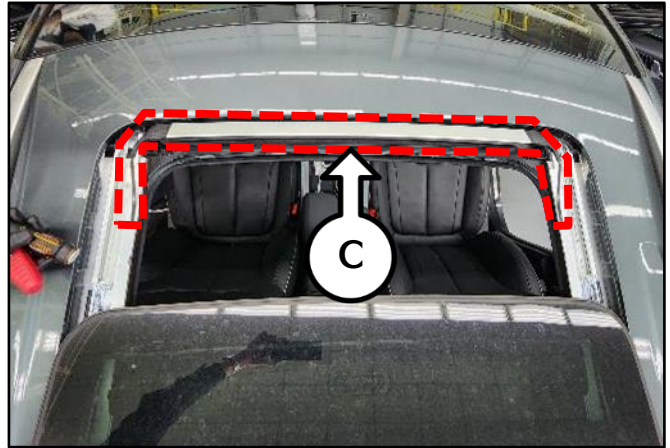
4. Install new deflector arms (E) onto the wind deflector (C).



5. Reinstall the wind deflector (C).

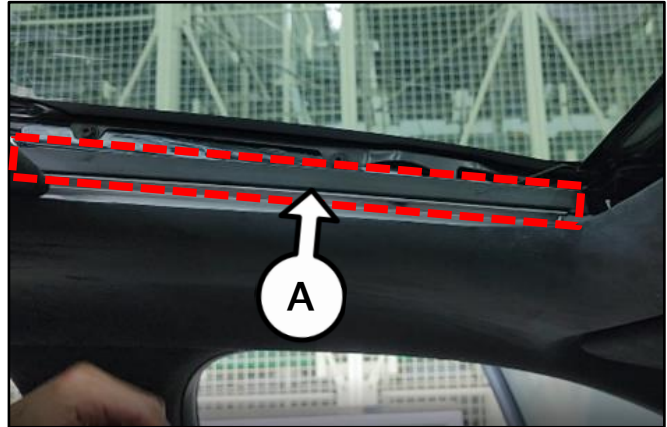
**TECH TIP**

The wind deflector can be installed after step 20 of the 'Mechanism Partial Parts Replacement Procedure' has been completed in order to provide more clearance.

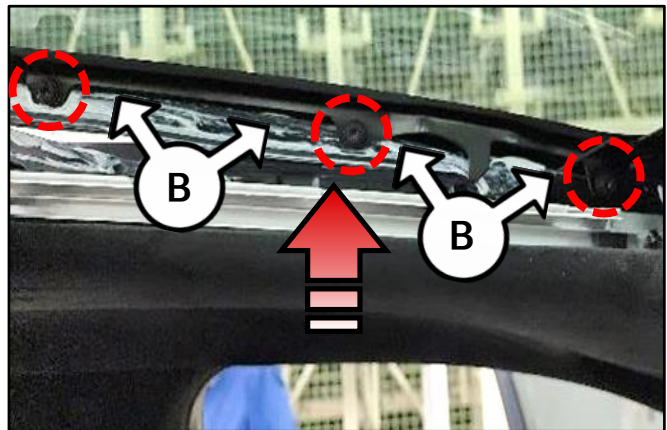


**Mechanism Partial Parts Replacement Procedure:**

1. To remove the left and right sunroof mechanism cover (A), push the cover towards the front of the vehicle and then pull inward.



2. Tilt the sunroof glass upward.

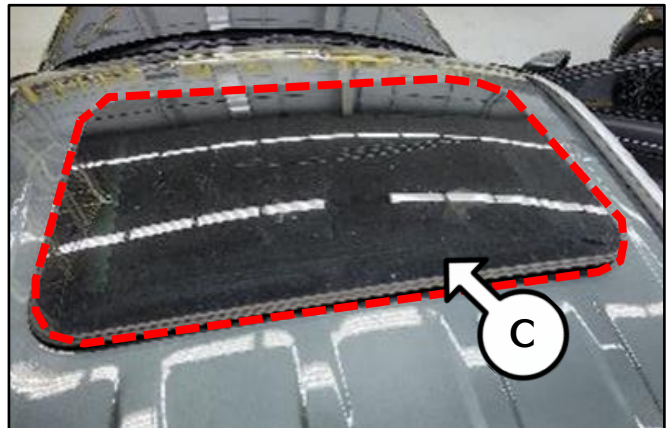


3. Loosen the three (3) fixing bolts (B) per side to remove the sunroof glass.

4. Lift to remove the sunroof glass (C).

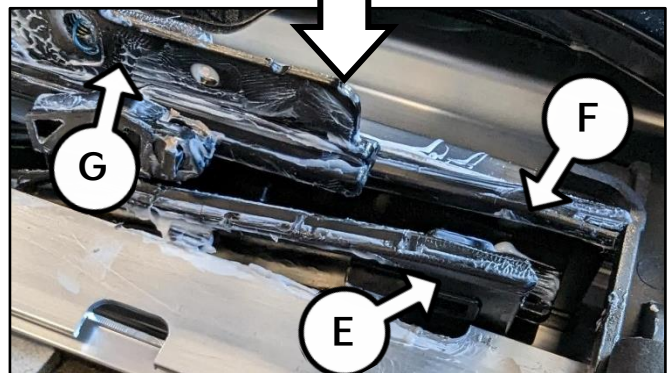
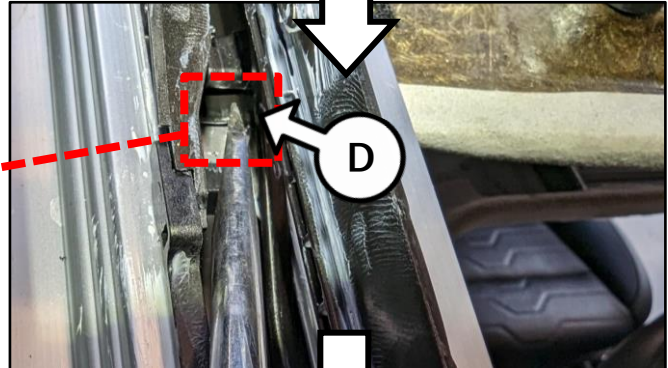
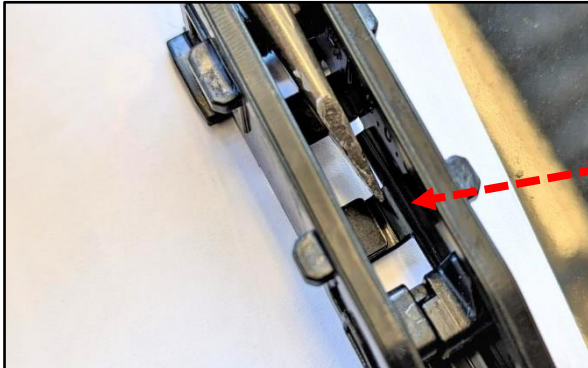
**CAUTION**

Be careful not to scratch, damage, and/or break the glass or roof during removal.



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5. Using a flathead screwdriver, push down on the guide release (D) and push towards the front of the vehicle to disconnect the inner (E) and outer (F) curve guides from the mechanism sub assembly (G). Reference video below.



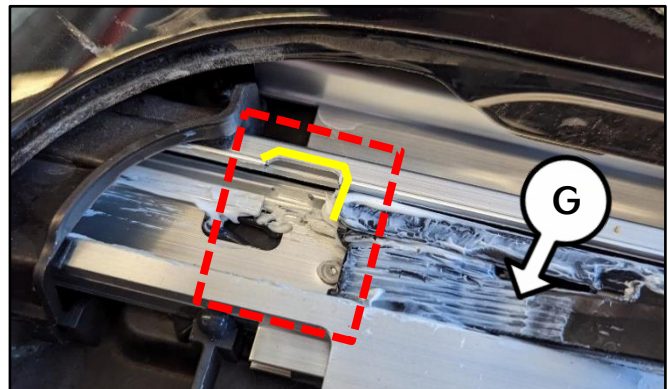
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For additional tips, information, click the icon or scan the QR code to watch guide release video (Step 5).

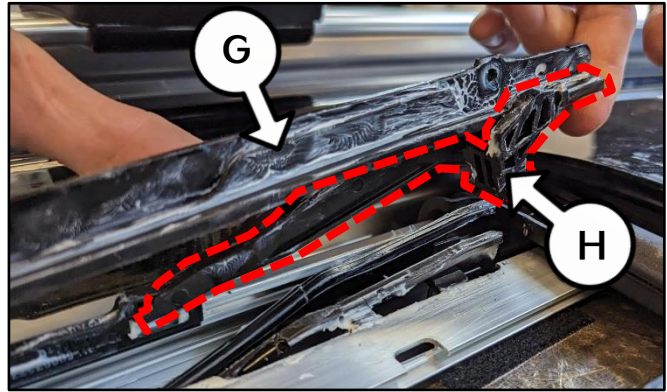
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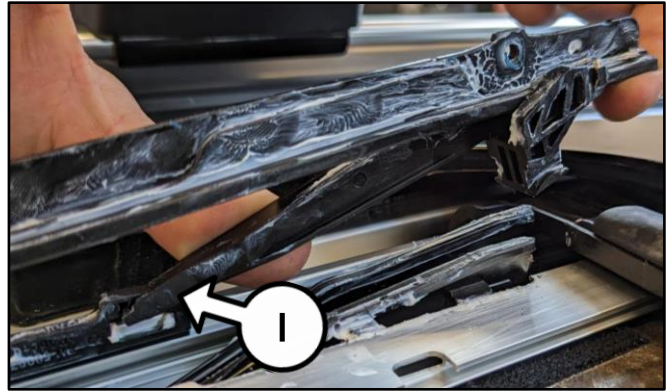
6. Use the sunroof switch to slowly move the mechanism sub assembly (G) so that the end of the mechanism is approximately aligned with the groove, as shown.



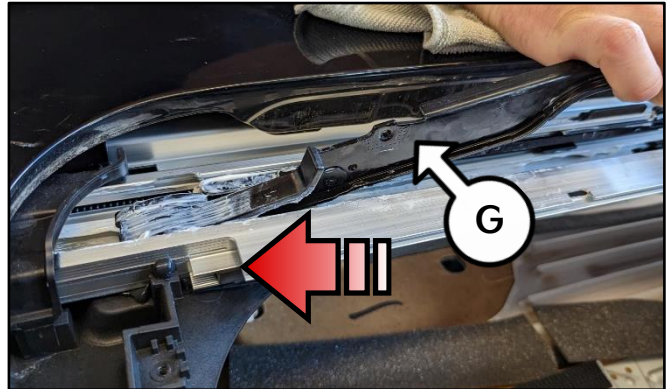
7. To separate the driving wedge assembly (H) from the curve guides (E and F), slide back and lift the mechanism sub-assembly (G).



8. Disconnect the driving wedge assembly (H) from the locking side (I), by lifting the wedge assembly and pushing towards the inside of the vehicle, as shown.

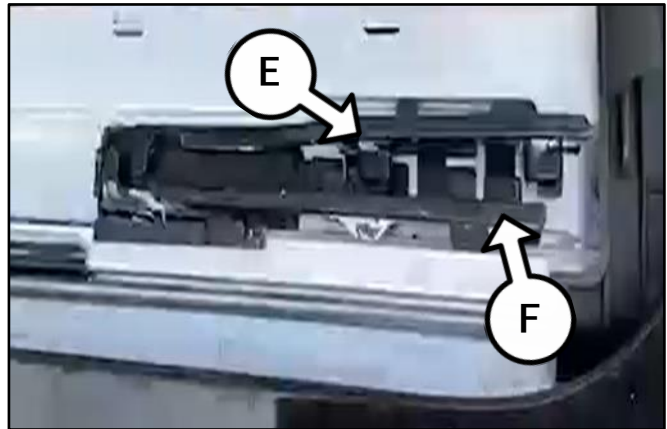


9. To remove the mechanism sub-assembly (G), push the mechanism sub-assembly towards the front of the vehicle, twisting mechanism sub-assembly at an angle and lifting up.



10. Remove the outer curve guide (F).

11. Remove the inner curve guide (E).



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12. Thoroughly clean the area, ensuring there is no debris or dirt in the mounting area (J).

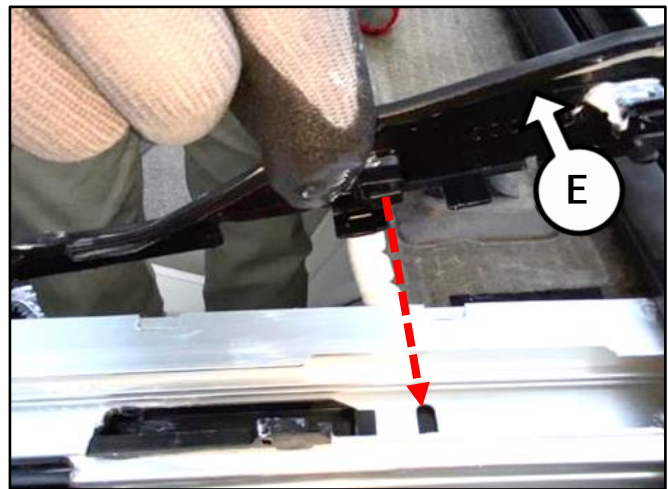


13. Install the new inner curve guide (E) into the grooves and slide inward to set.

**Note:** Apply white lithium grease to all lower contact points of the inner curve.

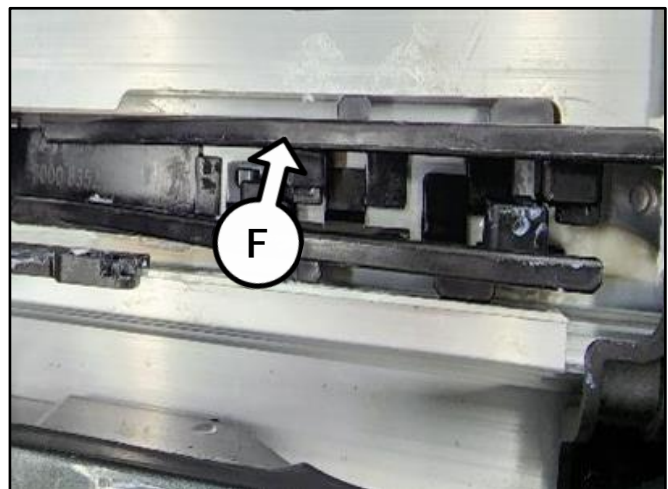
**ⓘ IMPORTANT**

The inner curve (E) MUST be installed first.



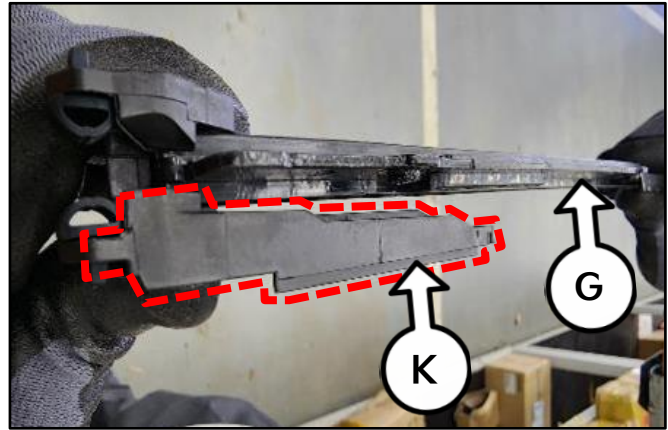
14. Temporarily install the new outer curve guide (F) into the groove and slide outward.



**Note:** Apply white lithium grease to all lower contact points of the outer curve.



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- 15. Install the new supplied driving wedge (K) by sliding on to the mechanism sub-assembly (G). Refer to video below.



 For additional tips, information, click the icon or scan the QR code to watch driving wedge installation video (Step 15). 



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- 16. Install the new mechanism sub-assembly (G) to assemble the rail. Refer to video below.

 **TECH TIP**

The mechanism sub-assembly will be inserted in the channel covered by the roof towards the front of the vehicle. Insert the inside lobe into the rail first. It may be necessary to try the front of back of the lobe first and/or inserting at a slight up or down angle. Different positions may be needed to insert the lobe into the rail. Once the lobe has been inserted, slide the mechanism sub-assembly back towards the rear of the vehicle while making sure the inner lobe doesn't pop out and disengage the outer rail.



 For additional tips, information, click the icon or scan the QR code to watch mechanism sub-assembly installation video (Step 16). 

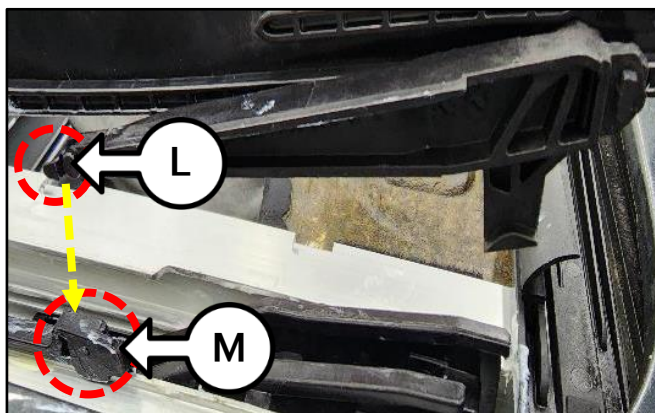
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- 17. Install the driving wedge assembly (L) onto the locking slide (M).



- 18. Insert the driving wedge assembly end (I) between the curve guides (E and F). Refer to video below.






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For additional tips, information, click the icon or scan the QR code to watch driving wedge assembly installation video (Step 18).

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- 19. Using a flathead screwdriver on the lower tab of the outer curve guide (F), push towards the rear of the vehicle to install the outer curve guide.

**Note:** Image shown for reference use only. The mechanism-sub assembly will be installed.

**CAUTION**

Make sure that the tabs are properly aligned before pressing the curves into place. Failure to do so may cause the tabs to break.






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For additional tips, information, click the icon or scan the QR code to watch installation video (Step 19).

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20. Repeat steps 5-19 for the opposite side.

21. Apply white lithium grease to the mechanism sub assembly (K), as shown.



22. Install the sunroof glass (C).

**⚠ CAUTION**  
Be careful not to scratch, damage, and/or break the glass or roof during installation.



23. Reinstall all removed parts in reverse order.

24. Confirm normal vehicle operation.



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**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Telluride (ON)	February 15, 2019 to January 19, 2022

**REQUIRED PART:**

Part Name	Part Number	Figure	Qty.
Deflector Arm Assembly Kit	81690 S8000FFF		1
Wind Deflector Arm + Mechanism Assembly (LH)	81610 S8000FFF		1
Wind Deflector Arm + Mechanism Assembly (RH)	81620 S8000FFF		
White Lithium Grease	Locally Sourced	 Brand shown for example purposes	As needed

**WARRANTY INFORMATION:**
**N Code: I11 C Code: ZZ3**

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	81690 S8000	0	Sunroof Wind Deflector Arms and Mechanism Parts Replacement	81690F03	1.0 M/H	81690 S8000FFF 81610 S8000FFF 81620 S8000FFF	1