



## SUNROOF REVERSES WHEN CLOSING

**MODEL**

E-Series	Model Description	Affected Option Code
G12	7 Series Sedan	Without 402 (Panoramic moonroof)

**SITUATION**

This situation **ONLY** affects vehicles without option code 402 (Panoramic moonroof).

After the vehicle is left in the hot sun and/or high temperatures with the sunroof in the vented position, the sunroof may reverse (anti-trap activates) when closing.

**CAUSE**

Temperature changes can lead to unfavorable tolerances in the sunroof, leading to false anti-trapping.

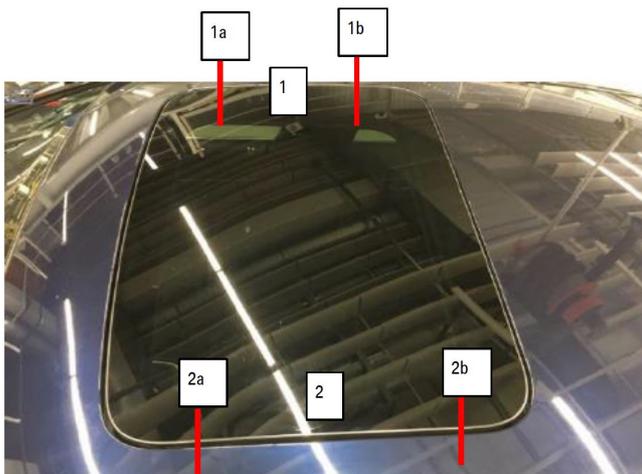
**CORRECTION**

One or more of the following may be necessary:

- Check adjustment of the sunroof glass panel
- Check adjustment of the sunroof frame
- Re-initialize the sunroof
- Lubricate the sunroof perimeter seal

**PROCEDURE**

1. Remove the sunroof perimeter seal following repair instructions REP 54 12 117 "Replacing seal for glass slide/tilt roof panel".



2. Measure the gap between the sunroof glass panel and the roof as shown at 6 points 1a, 1b, 1c, 2a, 2b, 2c.

Gap 1a should match gap 2a.  
Gap 1 should match gap 2.  
Gap 1b should match gap 2b.

If the gaps measure differently side to side, continue to step 3. Otherwise, continue to step 5.



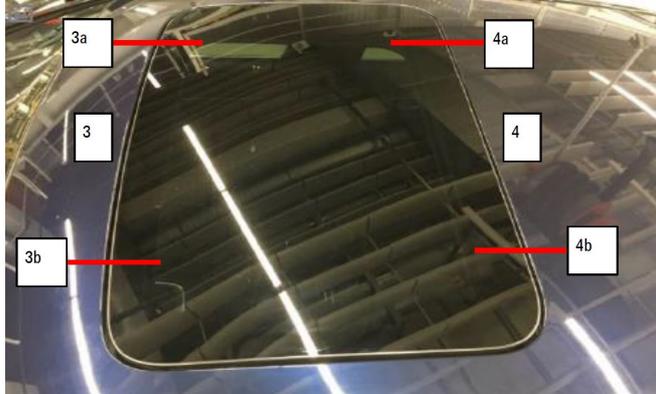
3. Lower the headliner to check the position of the sunroof frame using alignment tool 2 354 941 as shown.

Ensure the alignment tool fits easily and completely into the alignment bores. If the tool does not align correctly in the frame, loosen the frame bolts, adjust the frame as necessary, and torque the bolts to 9.5 Nm.

Note: The alignment tool will insert vertically, without tilting, if the sunroof frame is correctly aligned.

4. Re check the gaps from step 2 again to ensure they now match.

5. Similar to the measurements taken in step 2, compare the gap measurements at the front and rear of the glass.



Gap 3a should be 1 mm smaller than gap 4a.

Gap 3 should be 1 mm smaller than gap 4.

Gap 3b should be 1 mm smaller than gap 4b.

If the gaps are incorrect, adjust the sunroof glass panel following repair instructions **REP 54 12 003 “Adjusting glass slide/tilt sunroof panel”** and continue to step 6. If the gaps are correct, continue to step 6.

6. Re-install a new perimeter seal following repair instructions REP 54 12 117 “Replacing seal for glass slide/tilt roof panel”.

7. Perform a manual initialization (long hold of the sunroof button) WITHOUT a battery charger attached.

8. Coat the replacement perimeter seal using BMW Group Lubricant PF 1-(50 gr) P/N 83 23 0 309 627.

9. Completely re-assemble the vehicle and test drive to ensure no wind noise is present after repairs.

## **PARTS INFORMATION**

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in either ETK or AIR which takes into account specific equipment and/or options.

Part Number	Description	Quantity
Refer to AIR/ETK	Surrounding seal	1

### **Sublet – Bulk Material**

Part Number	Description	Quantity
83 23 0 309 627	BMW Group Lubricant PF 1-(50g)	As needed

## **WARRANTY INFORMATION**

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

<b>Defect Code:</b>	<b>6761011200</b>	<b>Glass tilt sunroof slide drive (SHD, panoramic glass sunroof)/sliding headliner/roller sunblinds Permanent failure</b>
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### **Steps 1, 2, 5 to 9**

Labor Operation	Description	Labor Allowance
54 12 117	Replace gasket for glass slide/tilt sunroof panel (Main work)	Refer to AIR
Or:		
54 12 521	Replace gasket for glass slide/tilt sunroof panel (Plus Work)	Refer to AIR
And:		
54 12 503	Adjusting glass slide/tilt sunroof panel	Refer to AIR

If you are using a Main labor code for another repair, use the Plus code labor operation 51 12 521 instead of 51 12 117.

And, additionally with the above:

### **Steps 3 to 4**

Labor Operation	Description	Labor Allowance
51 44 925	Lowering the headlining with SHD	Refer to AIR
And:		
54 99 000	Work time to adjust sunroof frame	4 FRU

Refer to AIR for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 54 99 000 is not considered a Main labor operation.

Based on which applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for claiming your diagnosis work time, job/repair work time, and for the RO/claim repair and work time explanation procedures

And, as needed:

**Sublet – Bulk Materials (RO and Claim Comments Required)**

<b>Sublet Code</b> <b>4</b>	See the sublet reimbursement calculations below	Reimbursement for the repair-related bulk material (Do not use the BMW part number for claim submission)
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Sublet reimbursement calculation for claiming the applicable repair-related bulk material (BMW part numbers) is at the dealer net price amount for the quantity used plus your center’s handling.

Enter this material cost in sublet and itemize the amount on the repair order and in claim comment section.

**QUESTIONS REGARDING THIS BULLETIN**

Technical inquiries	Submit feedback at the top of this bulletin
Warranty inquiries	Please contact the Warranty department by either using the Live Chat that’s available in the Warranty Documentation Portal or through IDS by selecting Coverage, Policy, Coding Questions and Mileage Corrections
Parts inquiries	Submit an IDS ticket to the Parts Department