



GROANING NOISE FROM SUNROOF

MODEL

G12 (7 Series)			
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SITUATION

A groaning noise is present from the area between the front and rear sunroof glass panels, only with the sunroof completely closed. Venting the front sunroof glass causes the noise to stop.

CAUSE

The front sunroof glass is rubbing against the rubber seal of the rear sunroof glass.

CORRECTION

Inspect, clean, and lubricate the seals. Replace only if necessary after performing the procedure.

PROCEDURE

1. Put the front sunroof glass into the venting position.
2. Inspect the front seal on the rear sunroof glass panel for any signs of damage or debris. If needed, the seal can be cleaned with water only. Do not use any type of cleaner or conditioner that is not outlined in this bulletin.
3. Ensure that the sunroof glass panel is correctly adjusted, following repair instructions **REP 54 13 001 "Adjusting front glass slide/tilt sunroof panel"**. Correctly adjust the sunroof panel if necessary.
4. With the sunroof in the vented position, apply Krytox Lubricant PN 83 19 9 408 523 to the rubber sunroof seal mounted on the rear sunroof glass panel as shown in the photo below using a suitable applicator, such as a sponge.



5. Retest the vehicle.

Is the noise still present?

Yes: Continue to step 6.

No: No further correction is required.

6. Replace the seal mounted to the front of the rear glass panel by positioning the front glass panel in the venting position to gain access to the seal mounted to the rear sunroof panel.

To remove, pull the seal away from the rear sunroof panel.

To install, press the new seal into the sunroof glass panel. A roller can be used to assist in pressing the seal completely into the channel along the length of the sunroof panel.

PARTS INFORMATION

Part Number	Description	Quantity
83 19 9 408 523	Special lubricant 30 ml Krytox.	Sublet as needed
If the sunroof requires adjustment:		
Refer to ETK	Self-locking hex bolt	6
Only replace the seal if necessary after lubricating:		
54 10 7 409 139	Gasket, glass cover, rear	1

WARRANTY INFORMATION

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

Defect Code:	5412103900	Frame seal slide/tilt sunroof (SHD), panoramic sunroof unpleasant noises
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A. Check sunroof adjustment, clean, and apply lubricant to the sunroof seal (1, 2)

Labor Operation:	Labor Allowance:	Description:
54 00 001	3 FRU	Work time to check adjustment, clean, and apply lubricant to the sunroof seal (Main work)
Or:		
54 00 001	1 FRU	Work time to check sunroof adjustment, clean, and apply lubricant to the sunroof seal (Plus work – Vehicle is already in the workshop)

Or:

B. Check and adjustment sunroof, clean and apply lubricant to the sunroof seal (1, 2, 3)

Labor Operation:	Labor Allowance:	Description:
54 12 003	Refer to AIR	Adjusting glass slide/tilt sunroof panel (Main work)
Or:		

54 12 503	Refer to AIR	Adjusting glass slide/tilt sunroof panel (Plus work)
And:		
54 00 001	1 FRU	Work time to check sunroof adjustment, clean, and apply lubricant to the sunroof seal

If you are using a Main labor code for another repair, use the Plus code labor operation 54 12 503 instead of 54 12 003.

Or:

C. Check sunroof adjustment, clean, and apply lubricant and replaced sunroof seal (1, 2, 3, 4)

Labor Operation:	Labor Allowance:	Description:
54 12 117	Refer to AIR	Replace gasket for glass slide/tilt sunroof panel (Main Work)
Or:		
54 12 521	Refer to AIR	Replace gasket for glass slide/tilt sunroof panel (Plus Work)
Or:		
54 00 001	1 FRU	Work time to check sunroof adjustment, clean, and apply lubricant to the sunroof seal

Or:

D. Check and adjustment sunroof, clean and apply lubricant and replaced sunroof seal (1 through 6)

Labor Operation:	Labor Allowance:	Description:
54 12 117	Refer to AIR	Replace gasket for glass slide/tilt sunroof panel (Main Work)
Or:		
54 12 521	Refer to AIR	Replace gasket for glass slide/tilt sunroof panel (Plus Work)
Or:		
54 00 001	3 FRU	Work time to check and adjust sunroof, clean, and apply lubricant to the sunroof seal

If you are using a Main labor code for another repair, use the Plus code labor operation 54 12 521 instead of 54 12 117.

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

Work time labor operation code 54 00 001 is not considered a Main labor operation. Also, since the "work time" FRU allowance to be claimed is specified, a separate punch time is not required. However, it still requires an explanation on the repair order and in the claim comments section.

And:

Sublet – Bulk Material

Sublet Code 4	\$2.00	Reimbursement for the repair-related bulk material (Do not use the BMW part number for claim submission)
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Sublet reimbursement for the bulk material used quantity.

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

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