

# Service Campaign Bulletin

Campaign No. 2013010005, March 2013

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model 231, Model Year 2013**  
**Replace Left and Right Seals of the Vario Roof Front Section**

This Service Campaign has been initiated because Daimler AG (DAG), the manufacturer of Mercedes-Benz vehicles, has determined that the left and right seals of the Vario roof front section may not be to specification. An authorized Mercedes-Benz dealer will replace the left and right seals of the Vario roof front section at the next workshop service.

Prior to performing this Service Campaign:

- Please check VMI to determine if the vehicle is involved in the Campaign and if it has been previously repaired.
- Please review the entire Service Campaign bulletin and follow the repair procedure exactly as described.

Approximately 235 vehicles are affected.

Order No. P-SC-2013010005

This bulletin has been created and maintained in accordance with MBUSA-SLP S423QH001, Document and Data Control, and MBUSA-SLP S424HH001, Control of Quality Records.

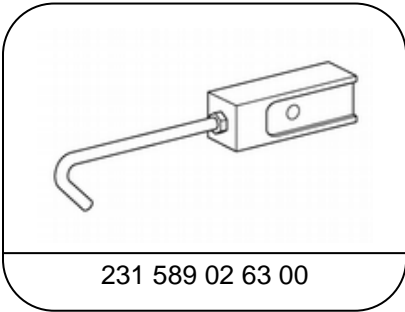
**Procedure****Figure 1**

1. Replace seal (circled, Figure 1) of the vario (retractable) roof front section; refer to repair instructions A, on page 5. Repeat procedure on opposite side.
2. Adjust side window on left and right doors; refer to WIS: AR72.10-P-1950RK.

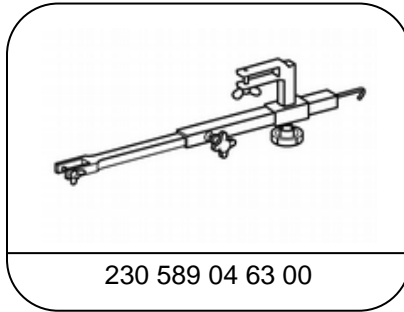
**Note** (regarding above WIS instructions):

Refer also to WIS document attached at the end of this procedure. This document is referenced in the above WIS instructions, however it's not available in the 01/2013 WIS release.

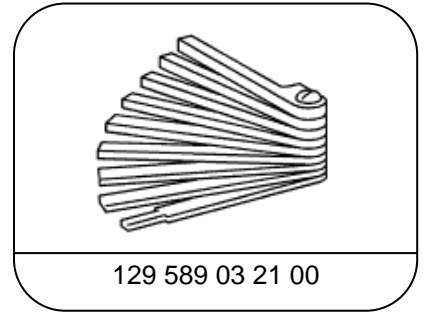
**Special Tools**



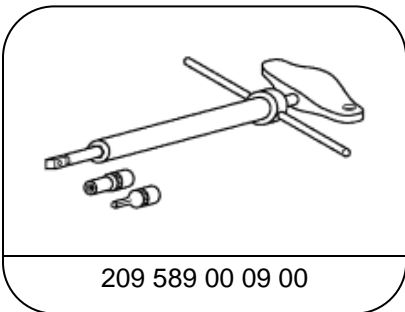
Support



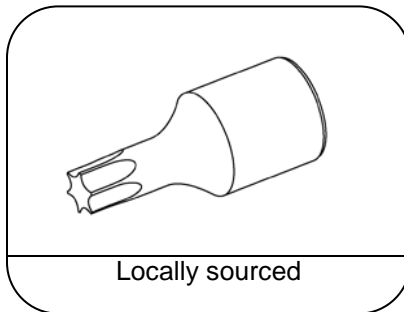
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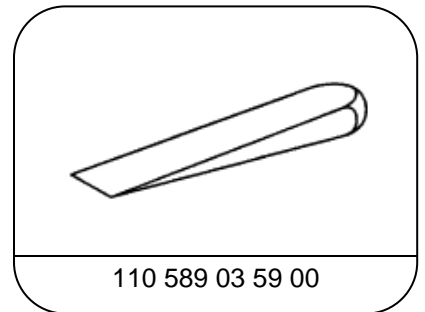
Feeler gauge



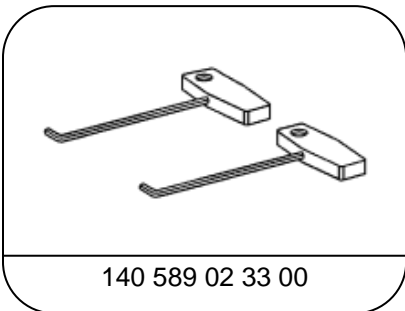
Socket wrench



Torx bit



Mounting wedge



Extension hook

**Primary Parts Information**

Qty.	Part Name	Part Number	Estimated Replacement Rate
1	Left front roof seal	A 231 790 01 98 05	100%
	Right front roof seal	A 231 790 02 98 05	
6	Adhesive tape (door stickers)	A 006 989 30 85	
2	Retaining hook	A 000 994 01 56	(If required)

**Shop supplies**

Qty.	Part Name	Part Number
1 (liter <sup>1)</sup> )	Lubricant, rubber assembly	A 000 989 03 67
1 (liter <sup>1)</sup> )	Cleaner (or equivalent)	A 005 989 19 71
1 (roll <sup>1)</sup> )	Butyl cord (sealing strip)	A 004 989 60 20 12

<sup>1)</sup> Provides enough for multiple vehicles.

**Note:**

- Please be aware that only the part number(s) referenced in the Campaign Bulletin is/are approved for use to repair the vehicle. Repairs performed using any other part(s) will not have been performed in accordance with the campaign. Accordingly, warranty claims submitted with reference to an improper part number(s) will be denied.
- The following allowable labor operation should be used when submitting a warranty claim for this repair:

**Warranty Information**

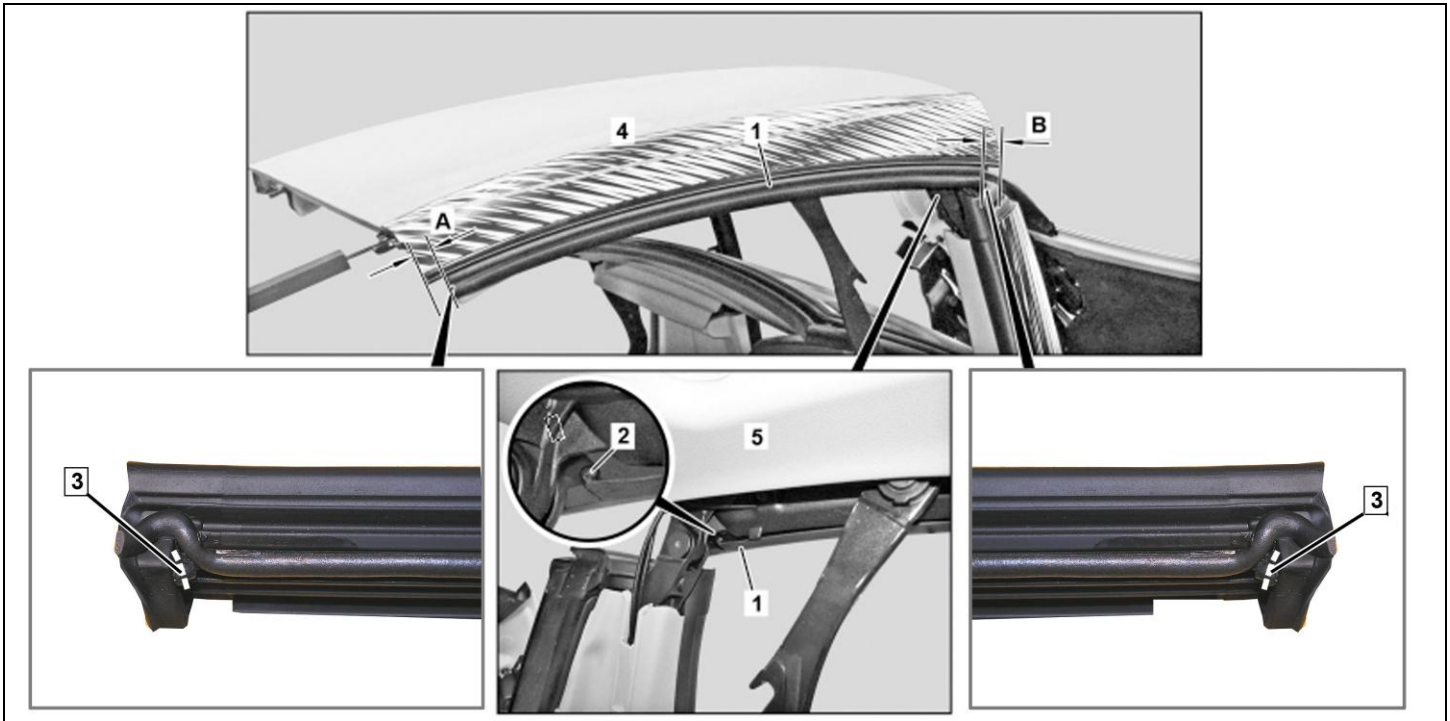
**Operation:** Replace left and right seals of the vario roof front section (02-7943).

Adjust front door window (both) (02-7953).

Damage Code	Operation Number	Labor Time (hrs.)
72 913 35 7	02-7943	0.6
	02-7953	00 <sup>1)</sup>

<sup>1)</sup> Please refer to section 6.22.4 NTG (No Time Given) in the Warranty Policies and Procedures manual for punching requirements

<b>Repair Instructions A</b>	<b>Remove/install seal at front of Vario roof on side</b>	
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












- 1 Seal
- 2 Screw
- 3 Butyl cord

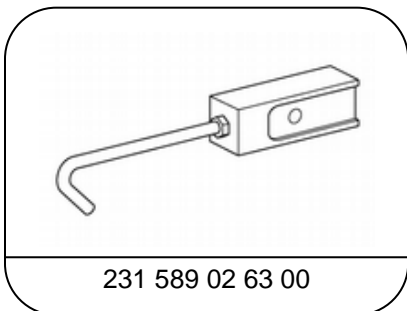
- 4 Vario roof front section
- 5 Cover

- A Installation dimension 25 mm
- B Installation dimension 27 mm

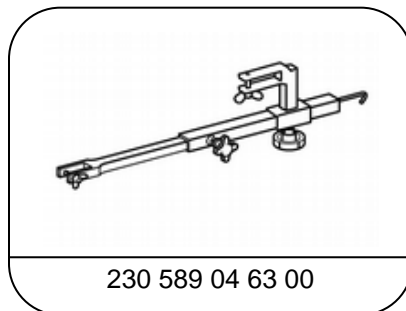
<b>Danger !</b>	<b>Risk of injury</b> caused by body parts being trapped or crushed when working on a partially open Vario roof (in stop mode) or in its closing area as a result of the Vario roof suddenly collapsing	Secure Vario roof with a suitable special tool.	AS77.50-Z-0001-01A
	<b>Remove</b>		
1	Move Vario roof into intermediate position with the roof switch (S84s1)	<b>i</b> Position of C-pillar top sections vertical. Leave ignition switched on. The Vario roof remains in this position for approx. 7 min. in the stop mode. After approx. 7 min, the Vario roof automatically lowers into the trunk. The stop mode can be increased by an additional 7 min by actuating the Vario roof control switch (S84s1) again.	
2	Secure Vario roof with support (4)	Support	230 589 04 63 00
		Support	231 589 02 63 00
3	Loosen paneling (5) in area of seal (1)		

4	Unscrew bolt (2) and remove seal (1)	 Install new seal (1). Otherwise leakage is possible.	
	<b>Clean</b>		
5	Remove sealant residues from sealing surface on Vario roof front section (4) and thoroughly clean sealing surface	 Sealing surface must be free of grease and dust. Otherwise leakage is possible.	
		 Observe air drying time for cleaning agent.	
		Cleaner	BR00.45-Z-1025-04A
	<b>Install</b>		
6	Lay butyl cords (3) down on new seal (1) as shown	 Do not touch butyl cords (3) with bare fingers. Contact points on seals (1) for the butyl cords (3) must be free of grease and dust. Otherwise leakage is possible.	
		 The length of the butyl cords (3) is 10 mm.	
		Butyl cord	BR00.45-Z-1084-01A
7	Apply lubricant to seal (1)	 Along entire length.	
		Lubricant, rubber assembly 1 l	BR00.45-Z-1010-06A
8	Position seal (1) on Vario roof front section (4) and insert rear sealing base	 Observe installation dimension of 27 mm (B).	
9	Insert front sealing seal on seal (1) into Vario roof front section (4)	 Observe installation dimension of 25 mm (A).	
10	Uniformly press seal (1) into bracket	 Check installation dimensions, align seal (1) if necessary.	
11	Additionally press on seal (1) in area of butyl cords (3) after installation		
12	Tighten bolt (2)		
13	Remove support	 Helper required to support Vario roof.	
		 Support	231 589 02 63 00
		 Support	231 589 02 63 00

14	Completely close Vario roof with Vario roof control switch (S84s1)		
15	Check whether seal (1) is seated correctly	<b>i</b> Do not tuck seal (1). The seal (1) must make uniform slight contact with A-pillar seal and C-pillar seal.	
16	Open Vario roof with Vario roof control switch (S84s1) until the seal (1) no longer makes contact with A-pillar seal and C-pillar seal	If the seat of the seal (1) must be corrected.  <b>i</b> Leave ignition switched on. The Vario roof remains in this position for approx. 7 min. in the stop mode. The Vario roof closes automatically after 7 minutes. The stop mode can be increased by an additional 7 min by actuating the Vario roof control switch (S84s1) again.	
17	Pull or tuck seal (1) at front end and ensure that it is seated correctly in relation to A-pillar seal	If the seat of the seal (1) must be corrected.	
18	Loosen bolt (2) and pull or tuck seal (1) at rear end and ensure that C-pillar seal is pressed on correctly	If the seat of the seal (1) must be corrected.	
19	Tighten bolt (2)	If the seat of the seal (1) must be corrected.	
20	Completely close Vario roof with Vario roof control switch (S84s1)	If the seat of the seal (1) must be corrected.	
21	Check whether seal (1) is seated correctly	If the seat of the seal (1) must be corrected. <b>i</b> Do not tuck seal (1) and the seal must make uniform slight contact with A-pillar seal and C-pillar seal. Repeat steps 16 to 20 if necessary.	
22	Perform rain test		



Support



Support

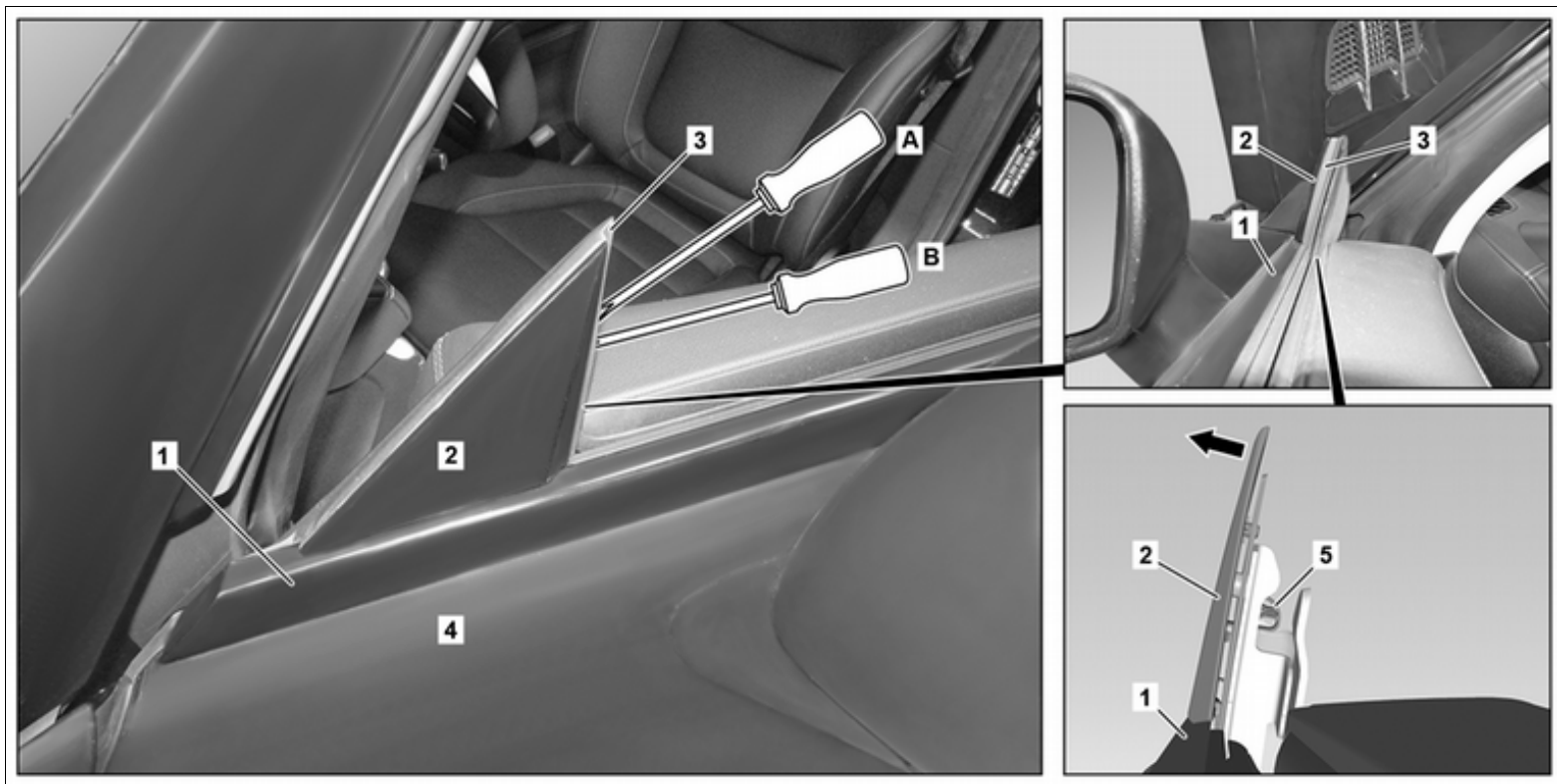
**Repair materials**

<b>Number</b>	<b>Designation (shop supplies)</b>	<b>Order number</b>
BR00.45-Z-1010-06A	Lubricant, rubber assembly 1 l	A 000 989 03 67
BR00.45-Z-1025-04A	Cleaner	A 005 989 19 71
BR00.45-Z-1084-01A	Butyl cord (sealing strip)	A 004 989 60 20 12



AR72.10-P-1700RK	Remove/install sealing rail on outside	4.12.12
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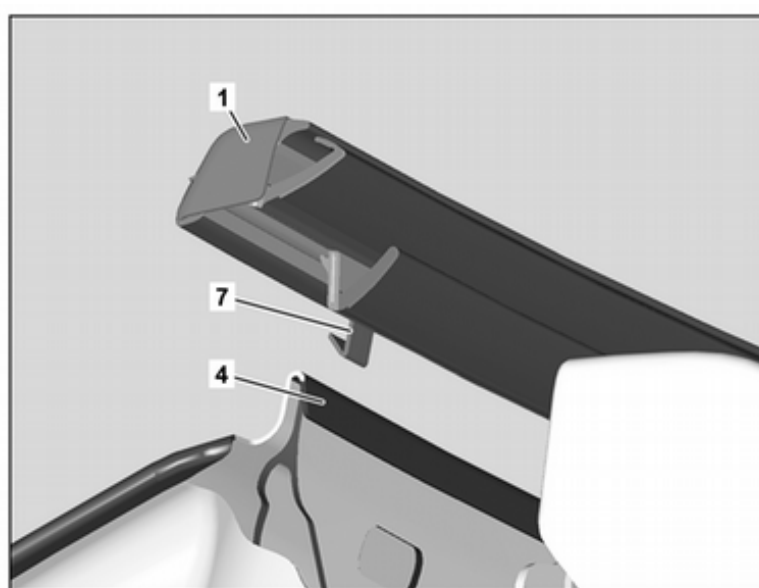
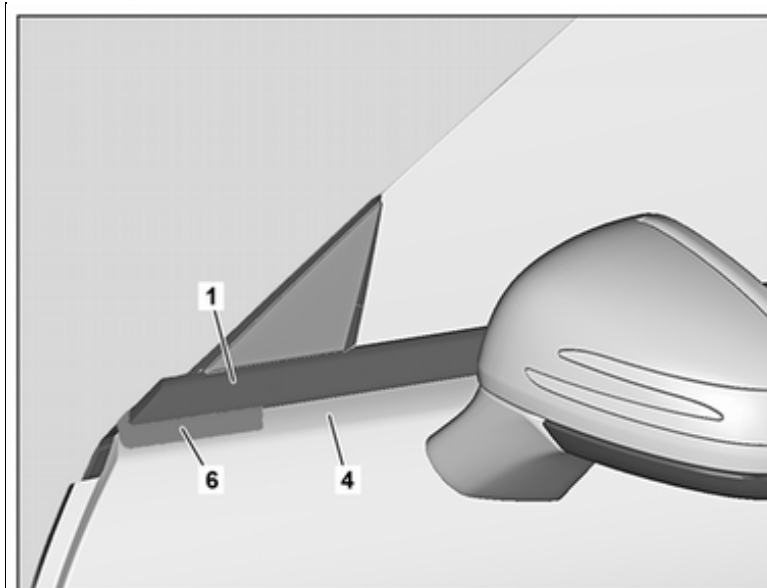
**MODEL 231**



P72.10-4082-09

- 1 Sealing rail
- 2 Cover
- 3 Seal

- 4 Waistline
- 5 Catch



P72.10-4083-08

1 Sealing rail  
4 Waistline

6 Protective foil  
7 Safety hook

	Remove/install		
1	Completely lower crank window in left or right front door		
2	Position Torx screwdriver T30 at arrest (5)	For this purpose, move Torx screwdriver T30 below base lip of seal (3) to through hole in seal (3) (position A).	
3	Detach arrest (5)	For this purpose turn Torx screwdriver T30 parallel to beltline (4) and press in direction of travel until arrest (5) on cover (2) is detached (option B).	
4	Remove cove (2) in direction of arrow		
5	Install protection foil (6) between sealing rail (1) and belt line (4)		
6	Remove sealing rail (1)	For this purpose grasp inner sealing lips with both hands at end of sealing rail (1). Turn sealing rail (1) upward and simultaneously toward outside, then turn down from beltline (4). Installation: If necessary, replace damaged safety hook (7).	
7	Install in the reverse order		