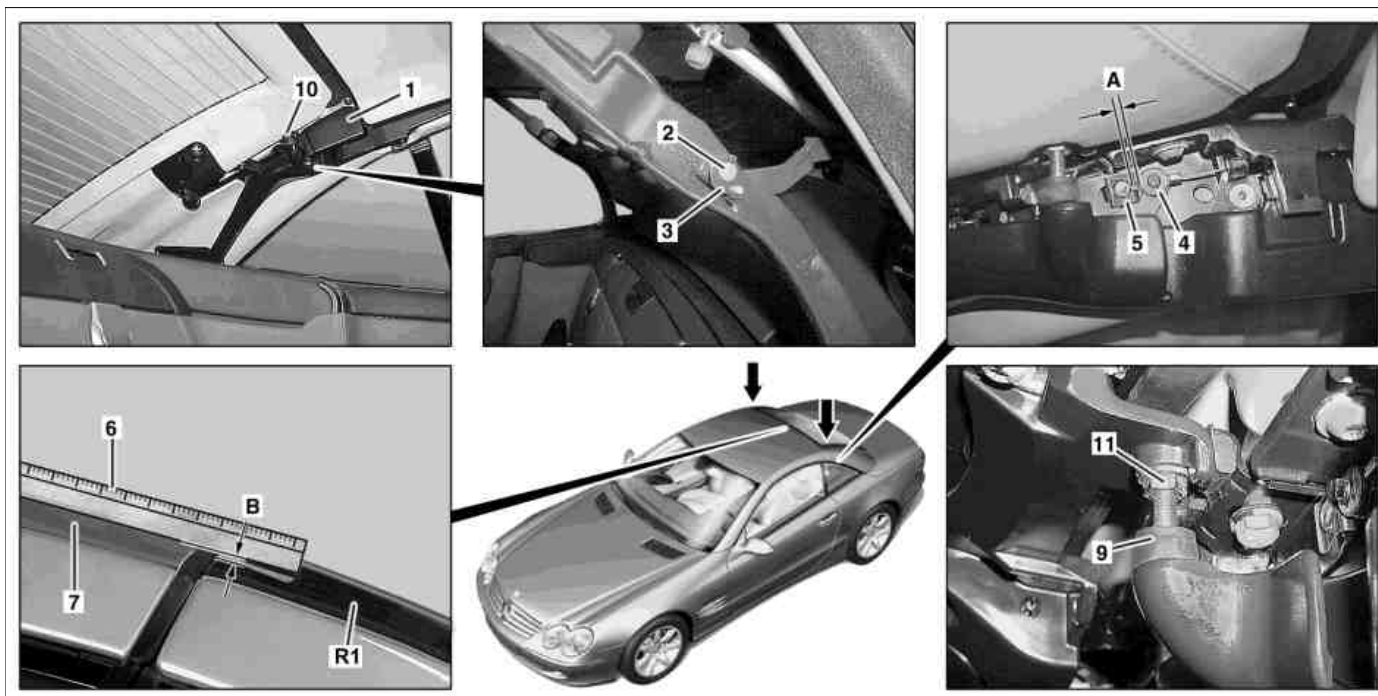


MODEL 230.4 except CODE (P99) "AMG Black Series" special model



P77.50-2098-09

Illustrated on left side of vehicle

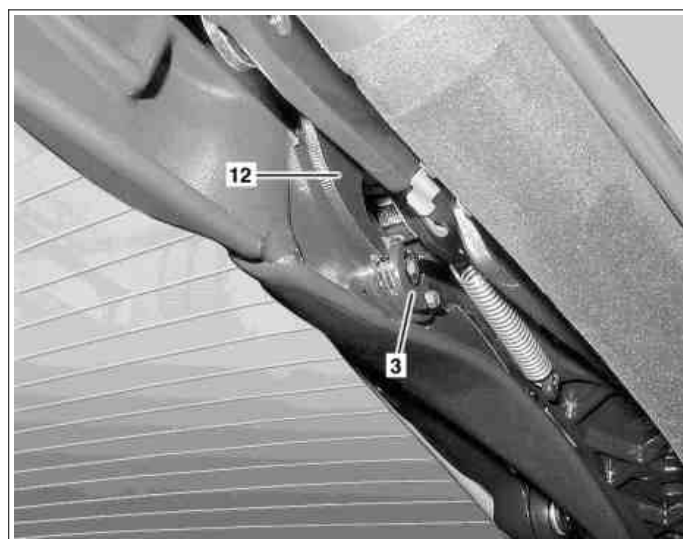
- 1 Panel
- 2 Screw
- 3 Cam
- 4 Vario roof cable eyelet
- 5 Clip-type fastener

- 6 Straightedge
- 7 Vario roof front section
- 9 Rear window buffer
- 10 Cover sleeve
- 11 Jam nut

- R1 Rear window defroster
- A Clearance
- B Height offset





















Shown on left C-pillar

- 3 Cam
- 12 Wedge slide



P77.50-2099-11

☒	Removing		
⚠ Danger!	Risk of injury caused by moving parts that can pinch, crush or, in extreme cases, even sever extremities	No parts of the body or limbs should be within the operating range of the mechanism when moving components.	AS00.00-Z-0009-01A
⚠ Danger!	Risk of injury caused by body parts being trapped or crushed when working on partially open Vario roof (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
1	Move Vario roof with Vario roof switch to intermediate position and secure	☑	AR77.50-P-3000-01R *230589046300
2	Remove covering (1) from left and right C-pillar		

3	Remove support for securing intermediate position of Vario roof and close Vario roof with Vario roof switch		*230589046300
	Checking		
4	Check distance (A) between Bowden cable eyelet (4) and clip-type fastener (5), adjust if necessary	 After closing the Vario roof, the gate valve (12) should run into the cam (3) so that the gap (A) is present between the Bowden cable eyelet (4) and the clip-type fastener (5).	*BE77.33-P-1002-01A
	Adjust		
5	Move Vario roof with Vario roof switch to intermediate position and secure		AR77.50-P-3000-01R *230589046300
6	Remove left and right cover sleeve (10), loosen jam nut (11) and screw in rear window buffer (9)	 The rear window buffer (9) should not make contact when the Vario roof is closed.	
7	Remove support for securing intermediate position of Vario roof and close Vario roof with Vario roof switch		*230589046300
8	Loosen bolts (2) on left and right C-pillar		
9	Adjust cam (3) on left and right C-pillar by twisting		
10	Tighten bolts (2) on left and right C-pillar		*BA77.30-P-1010-01B
11	Remove left and right rear window buffer (9) up to stop		
12	Move Vario roof with Vario roof switch to intermediate position and secure		AR77.50-P-3000-01R *230589046300
13	Turn left and right rear window buffer (9) back one turn, tighten jam nut (11) and insert cover sleeve (10)		*BA67.20-P-1005-02A
	Checking		
14	Remove support for securing intermediate position of Vario roof and close Vario roof with Vario roof switch		*230589046300
15	Check adjustment of cam (3) on left and right C-pillar	 After closing the Vario roof, the gate valve (12) should run into the cam (3) so that the gap (A) is present between the Bowden cable eyelet (4) and the clip-type fastener (5).	*BE77.33-P-1002-01A
16	Slightly press down Vario roof on left and right C-pillar (arrows)	 Vario roof should spring back in this area.	
17	Check height offset (B) between Vario roof front section (7) and heated rear window (R1) at several points using a straight edge (6); adjust if necessary.	 The difference of the height offset (B) between the left and right side should be max. 2 mm.	*BE77.33-P-1003-01A
	Adjust		
18	Move Vario roof switch to intermediate position using Vario roof switch	 Leave ignition switched on. The Vario roof is not in a confirmed end position and the stop function starts. It stops the Vario roof for 7 minutes in the current position. After expiration of this time, the Vario roof moves to the next mechanical end position by force of gravity. The stop function can be increased by an additional 7 min. by actuating the Vario roof switch again.	
19	Remove left and right cover sleeve (10), loosen locknut (11) and adjust Vario roof front section (7) in relation to heated rear window (R1) by turning rear window buffer (9)	 After adjusting, tighten jam nut (11) and insert cover sleeve (10). 	*BE77.33-P-1003-01A *BA67.20-P-1005-02A
20	Close Vario roof with Vario roof switch		
21	Check adjustment of cam (3) on left and right C-pillar, correct if necessary	 If the adjustment of the cam (3) is changed, check adjustment of rear window buffer (9) again and correct if necessary. The adjustment of the cam (3) and rear window buffer (9) have a reciprocal influence.	*BE77.33-P-1002-01A *BE77.33-P-1003-01A
	Install		
22	Install cover (1) on left and right C-pillar	 Install assembly wedge between cover (1) and gate valve (12) to prevent pulling the cover (1) toward the gate valve (12) when tightening.	

Test values for Vario roof and soft top mechanism

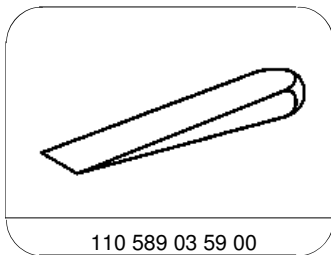
Number	Designation	Model 230
BE77.33-P-1002-01A	Gap between eyelet and clip-type fastener	mm 1.0 to 3.0
	See picture	-
BE77.33-P-1003-01A	Height offset from front section of Vario roof to rear window	mm 0 to 4
	See picture	-

 Rear window

Number	Designation	Model 230
BA67.20-P-1005-02A	Jam nut, rear window buffer	Nm 6

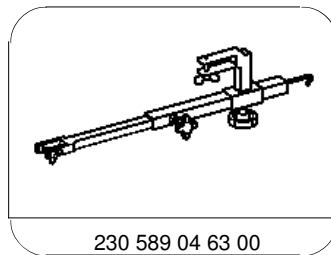
 Soft top

Number	Designation	Model 230
BA77.30-P-1010-01B	Bolt, cam to kinematics	Nm 8



110 589 03 59 00

Mounting wedge



230 589 04 63 00

Support