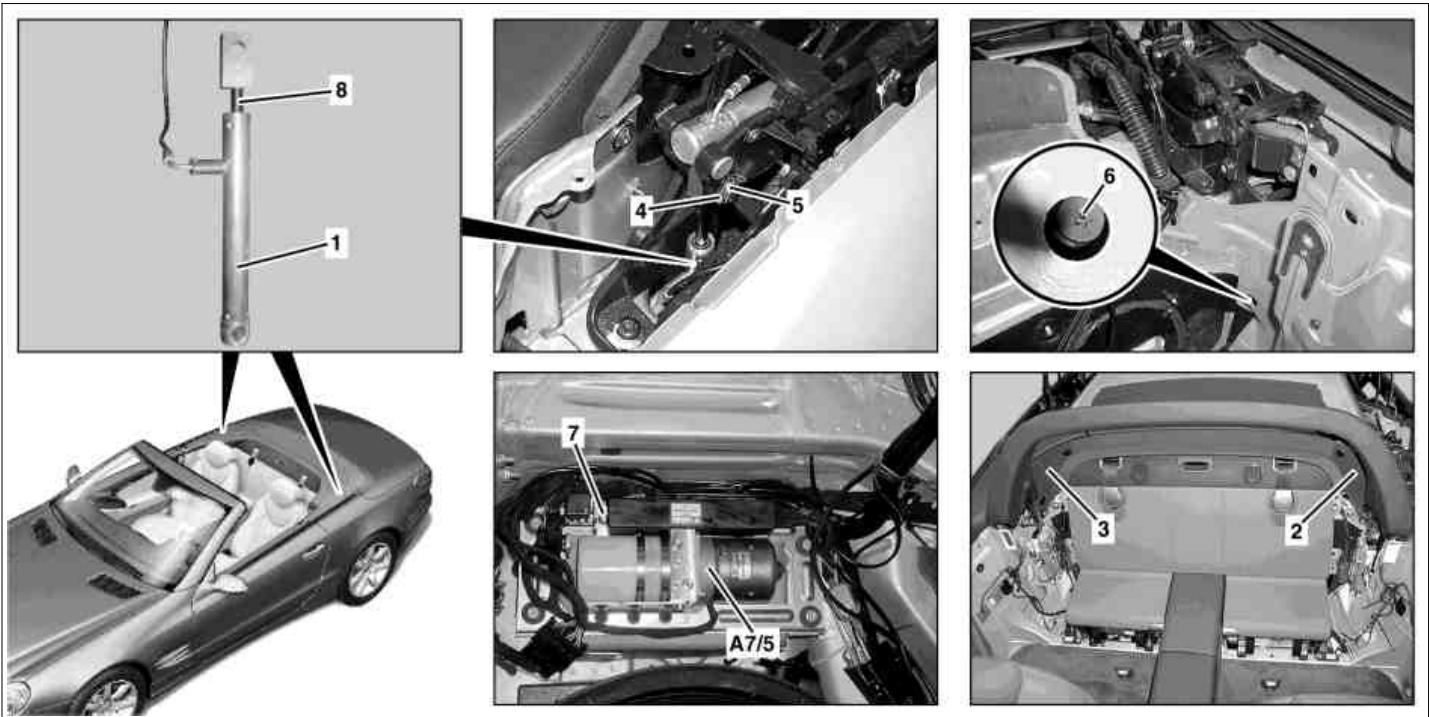


MODEL 230.4 except CODE (P99) "AMG Black Series" special model



P77.37-2060-09

1 Load assist hydraulic cylinder

5 Pin

8 Piston rod

2 Left cover

6 Screw
















3 Right cover

7 Emergency operation valve

A7/5 RVC [UVS] hydraulic unit

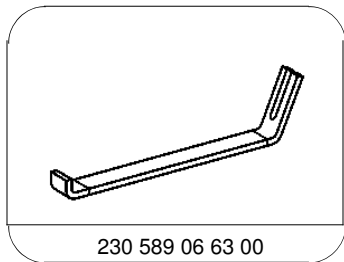
4 Securing clamp

☒	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
ⓘ	Notes on Vario roof assembly work		AH77.30-P-0002-01R
1	Remove left side paneling in trunk		AR68.30-P-4800R
2	Expose hydraulic lines in trunk of load assist hydraulic cylinder (1) to RVC hydraulic unit (A7/5)	<p>ⓘ Mark installation position of all lines connected and fastened to hydraulic lines. For removing left load assist hydraulic cylinder (1) expose hydraulic line no. 21; for removing right load assist hydraulic cylinder (1) expose hydraulic line no. 22.</p>	
3	Close trunk lid and lock trunk lid lock	<p>ⓘ The trunk lid is in assembly position before it is closed.</p>	
4	Switch on ignition, completely open Vario roof with Vario roof switch.	<p>ⓘ Make sure that during the Vario roof motion, no electrical or hydraulic lines are pinched and thus damaged.</p> <p>ⓘ If the trunk partition has been removed, then the trunk partition limit switch must be mechanically or electrically bridged.</p>	
5.1	Remove left support element on roll bar	<p>When removing left load assist hydraulic cylinder (1).</p> <p>ⓘ Do not remove hydraulic cylinder locking pawl and gas-operated strut from left support element.</p>	AR91.50-P-0010R
5.2	Remove right support element from roll bar	<p>When removing right load assist hydraulic cylinder (1).</p> <p>ⓘ Do not remove locking pawl hydraulic cylinder or roll bar operation hydraulic cylinder from right support element.</p>	AR91.50-P-0020R
6	Remove paneling from left and right upper center pillar.		AR68.30-P-1077R

7	Remove retaining plate for power window on left and right rear side window	 Mark installation position of retaining plate and power window retaining screws.	AR67.39-P-4150-01R
8	Remove left cover (2) and right cover (3).		
9	Remove safety clip (4) and remove pin (5).	 Secure pin (5) against falling down.	
10	Remove rubber grommet from access opening for bolt (6).		
11	Remove bolt (6)		
12	Open trunk lid, manually move Vario roof to load assist position and secure.		AR77.50-P-3000-02R *230589066300
13	Remove hydraulic lines No. 21 and No. 22 from RVC hydraulic unit (A7/5)	 When removing left load assist hydraulic cylinder (1), remove hydraulic line No. 21; when removing right load assist hydraulic cylinder (1), remove hydraulic line No. 22 from RVC hydraulic unit (A7/5). Do not disconnect electrical connectors from RVC hydraulic unit (A7/5).	AR77.37-P-3500R
14	Pull out load assist hydraulic cylinder (1) together with associated hydraulic line from center pillar and lay down in vehicle		
	Install		
15	Lay load assist hydraulic cylinder hydraulic line (1) toward rear through center pillar into trunk and then insert load assist hydraulic cylinder (1) into center pillar.	 Do not kink hydraulic lines to prevent damage.	
16	Connect hydraulic line for load assist hydraulic cylinder (1) to RVC hydraulic unit (A7/5)	 When installing left load assist hydraulic cylinder (1), connect hydraulic line No. 21; when installing right load assist hydraulic cylinder (1) connect hydraulic line No. 22 to RVC hydraulic unit (A7/5).	AR77.37-P-3500R
17	Open emergency operation valve (7) and completely pull piston rod (8) out of load assist hydraulic cylinder (1). Then close emergency operation valve (7) again.	When installing new load assist hydraulic cylinder (1). 	*BA77.37-P-1001-01A
18	Remove supports for load assist position		*230589066300
19	Tighten bolt (6) to load assist hydraulic cylinder (1)		*BA77.37-P-1003-01A
20	Install rubber grommet in access opening for bolt (6).		
21	Install bolt (5) with safety clip (4)		
22	Install left cover (2) and right cover (3)		
23	Install retaining plate for power window on left and right rear side window	 Pay attention to installation markings.	AR67.39-P-4150-01R
24	Install paneling on left and right upper center pillar.		AR68.30-P-1077R
25.1	Install left support element on roll bar	When installing left load assist hydraulic cylinder (1).	AR91.50-P-0010R
25.2	Install right support element on roll bar	When installing right load assist hydraulic cylinder (1).	AR91.50-P-0020R
26	Completely close Vario roof with Vario roof switch	 Make sure that during the Vario roof motion, no electrical or hydraulic lines are pinched and thus damaged.  If the trunk partition has been removed, the trunk partition limit switch must be mechanically or electrically bridged.	
27	Tie hydraulic and electrical lines together in trunk and fasten	 Replace cable ties. Pay attention to installation markings.	
28	Install left side paneling in trunk		AR68.30-P-4800R
29	Check Vario roof for proper function	 Particularly ensure that electrical and hydraulic lines are routed freely.	

 **Soft top hydraulic components**

Number	Designation	Model 230 up to vehicle ident. no. 112116	Model 230 as of vehicle ident. no. 112117
BA77.37-P-1001-01A	Emergency operation valve at hydraulic unit	Nm 1,5	1,5
	See picture	-	-
BA77.37-P-1003-01A	Screw, load assist hydraulic cylinder to body	Nm 8,0	8,0



230 589 06 63 00

Support