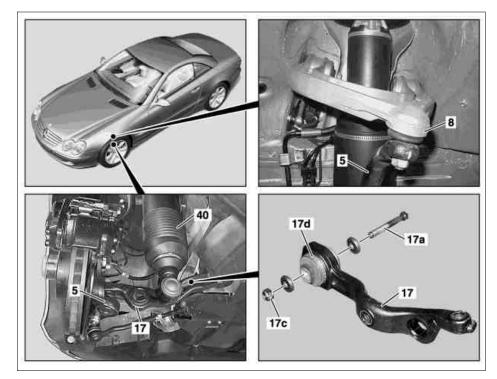
Illustrated on model 230.475

- 5Steering knuckle8Follower joint17Spring control arm17aScrew17cNut
- 17d Rubber bushing
- 40 Suspension strut



P33.15-2031-06

Modification notes

30.6.09 Replace rubber mounts of spring control arm	Vehicles with slit rubber mount	AR33.15-P-0170-02T
---	---------------------------------	--------------------

XX	Remove/install		
⚠ Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
i	Notes on Active Body Control suspension		AH32.50-P-0001-01N
i Installation	Only tighten nuts and bolts of chassis components when vehicle is in a ready-to-drive condition.	3	
1	Remove front wheel		
₩ AP	Remove/install wheels		AP40.10-P-4050Z
2	Remove rear and center section of lower engine compartment paneling		AR61.20-P-1105R
3	Remove left and right rpm sensor		AR42.30-P-0712I
4	Support steering knuckle (5) with transmission jack and transmission platform	When working on the front-end assembly, be careful not to scratch, mark or notch the surfaces of aluminum parts. Otherwise the service life of the of the parts will be reduced.	
⚠ Danger!	Risk of injury to skin or eyes caused by hydraulic fluid spraying out under high pressure. Risk of poisoning caused by swallowing hydraulic fluid	Depressurize the hydraulic system completely before starting any work on the system. Wear protective clothing and safety glasses.	AS00.00-Z-0013-01A
5	Relieve pressure in front axle ABC system	Vehicles with code (487) Active Body Control (ABC)	AR32.50-P-0001-01N
		Nm	*BA32.50-P-1001-02B
6	Press follower joint (8) out of steering knuckle (5)		AR33.20-P-0500-01N
		Nm	*BA33.20-P-1018-01A
		3	*202589023300
		8	*210589046300

		3	*140589003300
7	Secure the stub axle (5) from tipping with wire	B Never allow anything to pull on the brake hose, as doing so may damage it.	
8	Press track control arm (17) from stub axle assembly (5)		AR33.15-P-0170-01R
		Nm	*BA33.20-P-1012-01A
		3	*220589003300
		\Im	*163589034300
		3	*140589006300
Э	Press the strut (40) from track control arm (17)	Nm	*BA32.25-P-1007-04B
		3	*230589003300
		S	*140589006300
10	Remove track control arm (17) from front subframe.	 If repair kit is installed: bolt (17a) must not be twisted. Always counterhold the bolt (17a) when slackening the nut (17c), otherwise the lock tabs for camber adjustment in the rubber mount (17d) will be sheared off. Installation: Screw nut (17c) of bolt (17a) up to the contact surface, however do not tighten yet so that rubber mount (17d) of the spring control arm (17) can twist when rocking the vehicle to settle the suspension. Do not tighten nut (17c) until in ready-to-drive condition. 	*BA33.20-P-1014-01A
11	Check rubber mount (17d) on spring control arm (17)	Replace rubber bushing (17d), if necessary:↓	BA33.20-F-1014-01A
		Press rubber mount (17d) of spring control arm (17) out/in.	AR33.15-P-0170-02I
		S	*220589064300
		S	*124589043300
		Replace spring control arm's rubber mount (slit rubber mount).	AR33.15-P-0170-02T
		S Extraction and insertion tool	*220589004300
		Press-in tool	*211589004300
12	Check supporting ball joint in steering knuckle (5)	i Do not remove steering knuckle (5), if necessary: ↓	AR33.20-P-04251
		Replace supporting joint.	AR33.20-P-0440TX
13	Install in the reverse order		
14	Perform a wheel alignment check		AR40.20-P-0200R

Nm Wheel location, hub

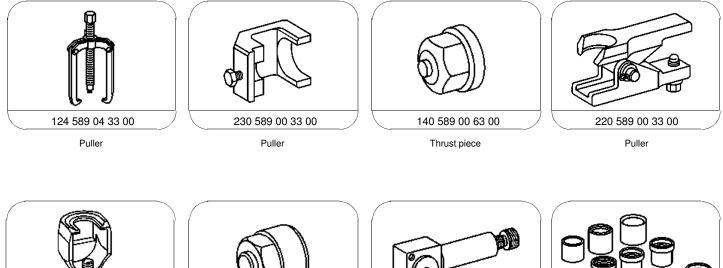
Number	Designation			Model 230 except code P99
BA33.20-P-1012-01A	Self-locking nut, track control arm to stub axle	Stage 1	Nm	50
		Stage 2	4°	60
BA33.20-P-1014-01A	Self-locking nut, spring control arm to front axle carrier	Stage 1	Nm	80
		Stage 2	∡°	120
BA33.20-P-1018-01A	Self-locking nut, upper wishbone follower joint to steering knuckle	Stage 1	Nm	20
		Stage 2	∡°	90

Nm Suspension struts

Number	Designation		Model 230 except code P99
BA32.25-P-1007-04B	Nut, front suspension strut to spring control arm	Nm	110

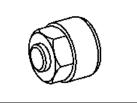
Mm Active Body Control, lines

Number	Designation		Model 230
BA32.50-P-1001-02B	Bleed screw on soldered fitting in hydraulic line	M10×1 Nm	20



202 589 02 33 00

Puller

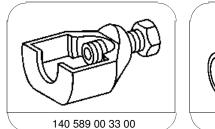


210 589 04 63 00 Thrust washer M 10x1.5 163 589 03 43 00

Press

220 589 06 43 00

Press out/in tool



220 589 00 43 00



© Daimler AG, 11/17/18, G/07/10 / ar33.15-p-0170r / Remove/install spring control arm on front axle MODEL 230 except CODE (P99) "AMG Black Series" special model