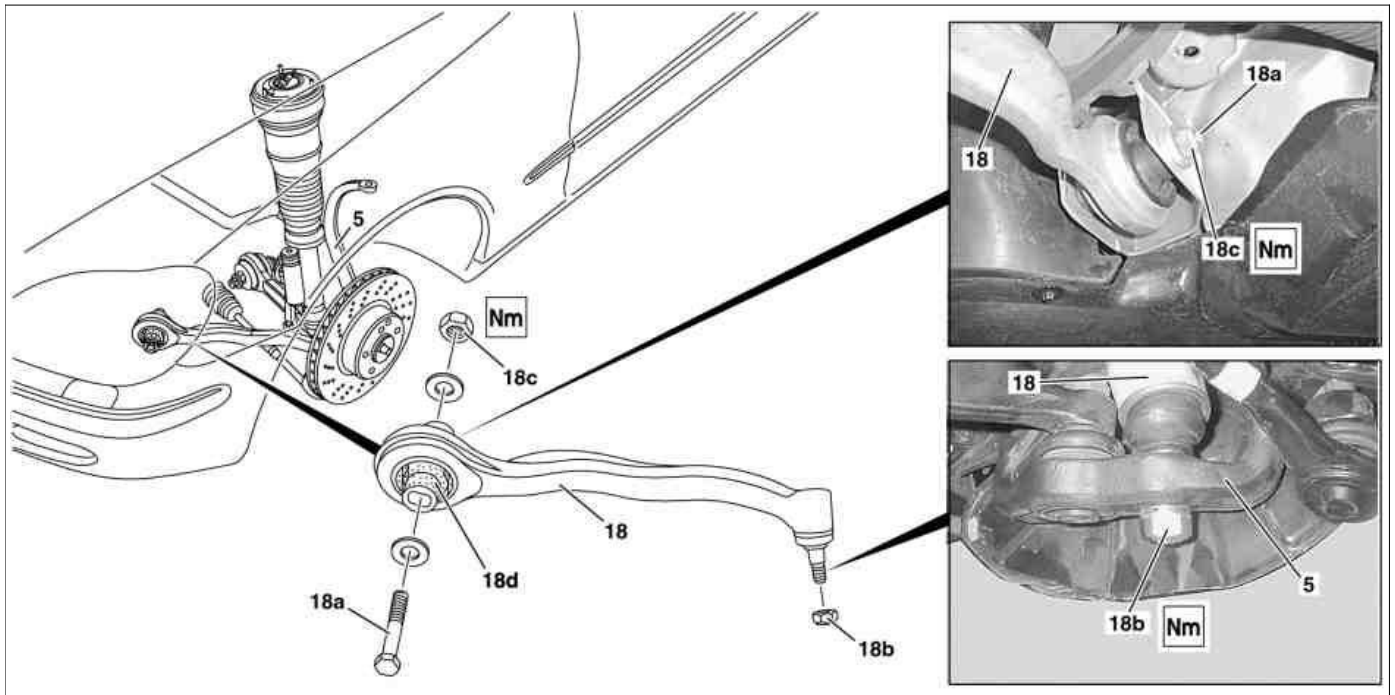


MODEL 215

MODEL 220 (except 220.08 /18 /87)  
 except CODE (979) Special protection version  
 except CODE (Z07) Top protection



P33.15-2033-09

Shown on model 220 with Airmatic  
 (semi-active air suspension) code 489

5 Steering knuckle

18a Screw

18c Nut

18 Torque strut


18b Nut

18d Rubber bushing

Modification notes

17.8.04	Torque for nut on torque strut on steering knuckle changed from 80 Nm to 50 Nm and 60 Δ°.	Model 215 only	*BA33.20-P-1013-01A
	Torque of nut for strut rod to front axle carrier changed from 150 Nm to 80 Nm 120 Δ°.	Model 215 only	*BA33.20-P-1015-01A

	<b>Remove/install</b>		
<b>Danger!</b>	<b>Risk of death</b> caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
<b>Installation</b>	<b>Only tighten nuts and bolts of chassis components when vehicle is in a ready-to-drive condition.</b>		
1	Lift vehicle on lifting platform.		
2	Remove front wheel Remove/install wheels		AP40.10-P-4050Z
3	Press radius rod (18) out of steering knuckle (5).	<b>i Installation:</b> Replace self-locking nut (18b). Puller Press Thrust piece Model 215 Model 220	AR33.15-P-0160-011 *220589003300 *163589034300 *140589006300 *BA33.20-P-1013-01A *BA33.20-P-1006-01F
4	Detach front engine compartment paneling from the inner paneling of the fender		
5	Swing back the inner paneling of the fender		

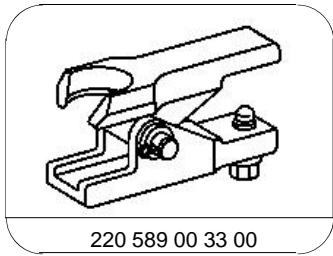
6	Unscrew nut (18c), pull out bolt (18a) and remove strut rod (18) from front axle carrier	<p><b>!</b> If repair kit installed: The bolt (18a) may <b>not</b> be twisted. Always counterhold bolt (18a) when loosening or tightening nut (18c), otherwise the lock tabs for caster adjustment in the rubber mount (18d) will be sheared off.</p> <p><b>i</b> Installation: Screw on nut (18c) of bolt (18a) until it abuts, however do not tighten yet so that the rubber mount (18d) of the strut rod (18) can twist when the vehicle is rocked to settle the suspension. Tighten nut (18c) with the vehicle in curb position.</p> <p><b>Nm</b> Model 215</p> <p><b>Nm</b> Model 220</p>	<p>*BA33.20-P-1015-01A</p> <p>*BA33.20-P-1002-01F</p>
	<b>Checking</b>		
7	Check rubber boot on ball joint of torque strut (18) for damage	<b>i</b> If damaged the strut rod (18) should be replaced.	
8	Check rubber mount (18d) of torque strut (18) for damage	<b>i</b> If damaged the strut rod (18) should be replaced.	
9	Install in the reverse order	<b>i</b> Installation: Only tighten nuts (18b, 18c) in the ready-to-drive condition.	

**Nm** Wheel location, hub

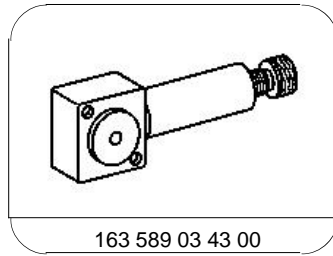
Number	Designation	Model 215		
BA33.20-P-1013-01A	Self-locking nut, radius rod to steering knuckle	Stage 1	Nm	50
		Stage 2	Δ°	60
BA33.20-P-1015-01A	Self-locking nut, torque strut to front axle carrier	Stage 1	Nm	80
		Stage 2	Δ°	120

**Nm** Wheel location, hub

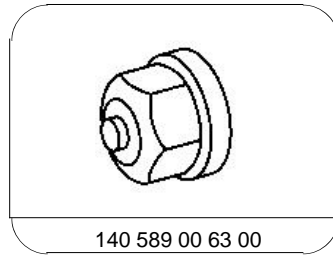
Number	Designation	Model 220 without code Z07 except model 220.08/18/8		
BA33.20-P-1002-01F	Self-locking nut, torque strut to front axle carrier	Stage 1	Nm	80
		Stage 2	Δ°	120
BA33.20-P-1006-01F	Self-locking nut, radius rod to steering knuckle	Stage 1	Nm	50
		Stage 2	Δ°	60



Puller



Press



Thrust piece