

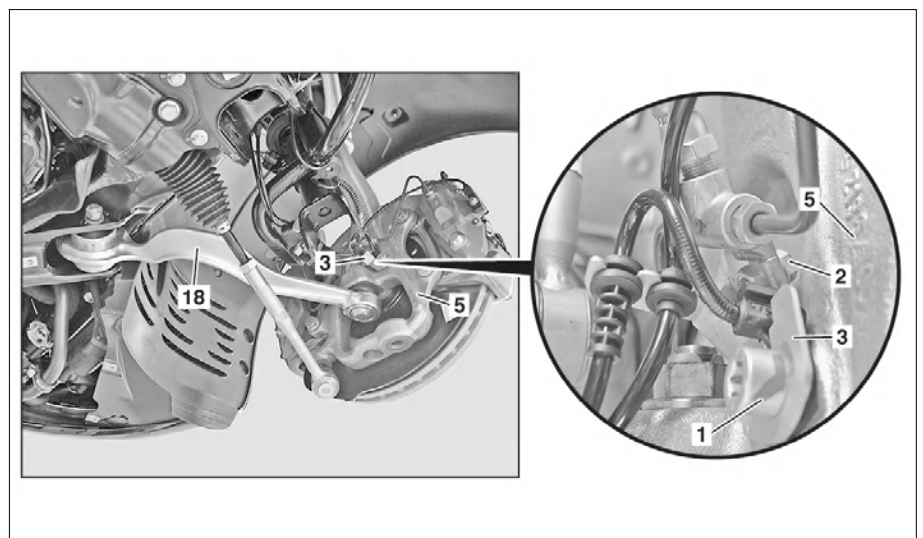
P33.15-2082-09

- 5 Steering knuckle
- 6 Front axle carrier
- 7 Tie rod
- 8 Link rod

- 9 Stabilizer bar
- 18 Torque strut
- 18a Screw
- 18b Nut




















- 18c Nut
- 18d Rubber bushing

- 1 Screw
- 2 Screw
- 3 Bracket
- 5 Steering knuckle
- 18 Torque strut



P33.15-2099-05

☒ ☒	Remove/install		
		⚠ 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.	
		ⓘ <b>Installation:</b> Only tighten bolts and nuts of the chassis components in the curb condition.	
⚠	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
1 🔧 AP	Remove front wheel Remove/install wheels		AP40.10-P-4050SX
2	Remove bottom engine compartment paneling	Vehicles with code (Z07) Top protection Vehicles without top protection	AR61.20-P-1105SXS AR61.20-P-1105SX
3	Detach rpm sensor from steering knuckle (5)	Vehicles without 4MATIC and without highest protection	AR42.30-P-0712SX

4	Remove bolts (1, 2) and remove bracket (3)	Vehicles with code (Z07) Top protection	
5	Detach both link rods (8) from stabilizer bar (9)	Model 221 without 4MATIC and without code (487) Active Body Control (ABC), model 216 with 4MATIC	AR32.20-P-0300SX
6	Detach tie rod (7) from steering knuckle (5)	    	AR46.40-P-0200-02SX *BA46.40-P-1001-01M *140589006300 *221589003300 *221589053300 *163589034300
7	Detach ABC valve unit of front axle and place aside	Vehicles with code (487) Active Body Control (ABC), when removing the left strut rod (18).  Pressure lines remain on valve unit.	AR32.50-P-0001SX
8	Unscrew nut (18c), pull out bolt (18a) and remove strut rod (18) from front axle carrier (6)	 <b>If repair kit installed:</b> The bolt (18a) may <b>not</b> be twisted. When undoing or tightening the nut (18c) always counterhold the bolt (18a), otherwise the lock tabs for the caster adjustment in the rubber mount (18d) may be sheared off.  <b>Installation:</b> Screw nut (18c) of bolt (18a) all the way on until it abuts, but do not tighten yet so that the rubber mount (18d) can twist when the vehicle is rocked to settle the suspension. Tighten nut (18c) with the vehicle in curb position. 	*BA33.20-P-1006-01M
9	Detach strut rod (18) from steering knuckle (5) and remove downward	   Only on vehicles with code (Z07) Maximum protection	AR33.15-P-0160-01SX *BA33.20-P-1004-01M *221589023300 *221589033300
	<b>Checking</b>		
10	Check rubber boots on rubber mount (18d) for damage	 The rubber boots should be retrofitted to provide protection for the rubber mounts (18d).  If necessary, replace or retrofit rubber boots: ↓ Remove/install rubber boots on rubber mount.	AR33.15-P-0160-03T
11	Check rubber mount (18d) of torque strut (18) for damage	 Replace rubber mount (18d) if necessary: ↓ Press rubber mount of torque strut out/in: Vehicles without maximum protection and without 4-MATIC.  Vehicles with 4MATIC  Vehicles with code (Z07) Maximum protection: ↓ radius rod (18) as indicated.	AR33.15-P-0160-02SX *220589064300 AR33.15-P-0160-02SXY *220589064300
12	Check rubber boot and ball joint of torque strut (18) for signs of damage	 Replace torque strut (18) if necessary.	
13	Install in the reverse order		

 **Wheel location, hub**

Number	Designation			Model 216	Model 216
				without 4MATIC	with 4MATIC
BA33.20-P-1004-01M	Self-locking nut, radius rod to steering knuckle	Stage 1	Nm	40	50
		Stage 2	∠°	150	90
BA33.20-P-1006-01M	Self-locking nut, torque strut to front axle carrier	Stage 1	Nm	80	80

		Hexagon	Stage 2	∟°	150	150
		Torx	Stage 2	∟°	-	-

**Nm** Wheel location, hub

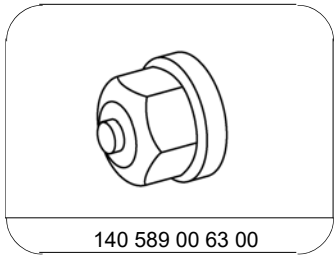
Number	Designation				Model 221.00/02/05/07/ 09/10/12/15/17/ 19 without 4MATIC without code Z07/Z07+Z19	Model 221.09/19 without 4MATIC without code Z07
BA33.20-P-1004-01M	Self-locking nut, radius rod to steering knuckle	Stage 1	Nm		40	40
		Stage 2	∟°		150	150
BA33.20-P-1006-01M	Self-locking nut, torque strut to front axle carrier	Stage 1	Nm		80	80
		Hexagon	Stage 2	∟°	150	150
		Torx	Stage 2	∟°	180	180

**Nm** Wheel location, hub

Number	Designation				Model 221.08/09/18/19 with 4MATIC without code Z07	Model 221 with code Z07/Z07+Z19
BA33.20-P-1004-01M	Self-locking nut, radius rod to steering knuckle	Stage 1	Nm		50	90
		Stage 2	∟°		90	90
BA33.20-P-1006-01M	Self-locking nut, torque strut to front axle carrier	Stage 1	Nm		80	80
		Hexagon	Stage 2	∟°	150	180
		Torx	Stage 2	∟°	180	180

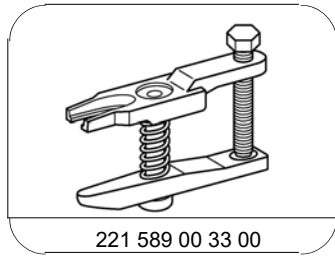
**Nm** Tie rod

Number	Designation			Model 216	Model 221
BA46.40-P-1001-01M	Self-locking nut, tie rod to steering knuckle	Stage 1	Nm	50	50
		Stage 2	∟°	60	60



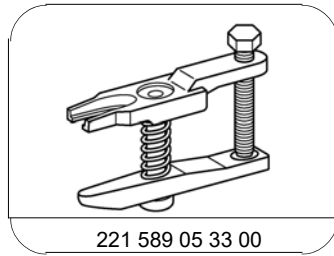
140 589 00 63 00

Thrust piece



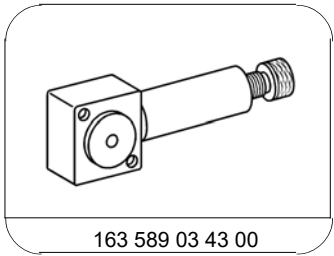
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Puller



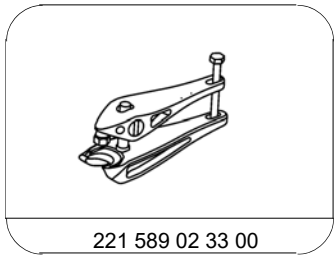
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Puller



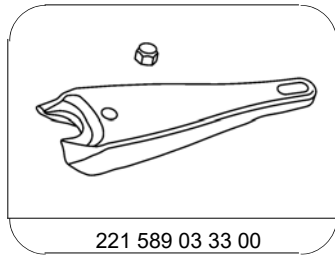
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Press



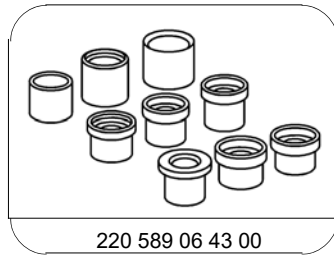
221 589 02 33 00

Puller



221 589 03 33 00

Puller fork



220 589 06 43 00

Press out/in tool