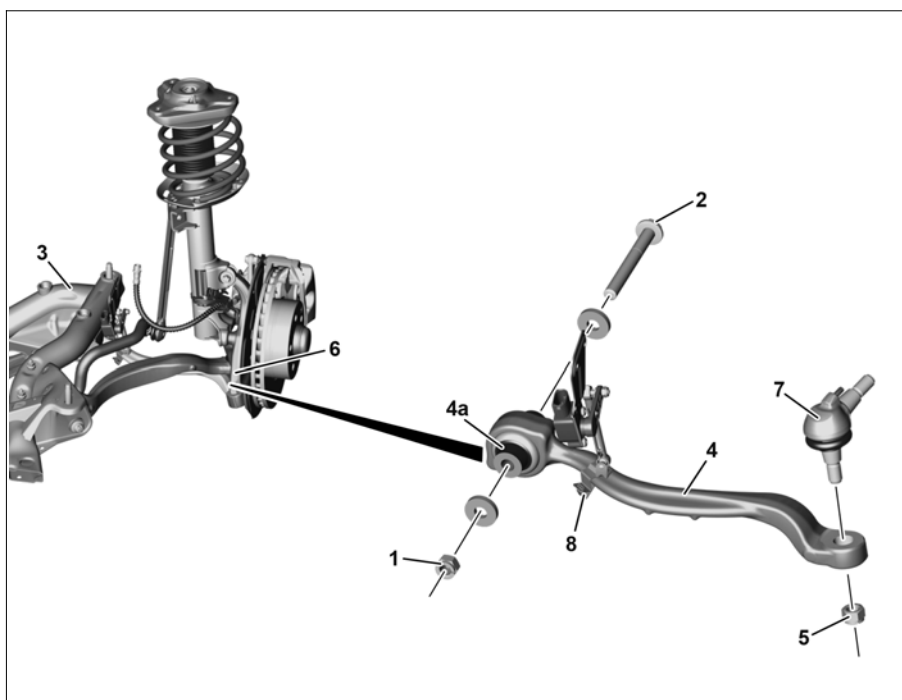


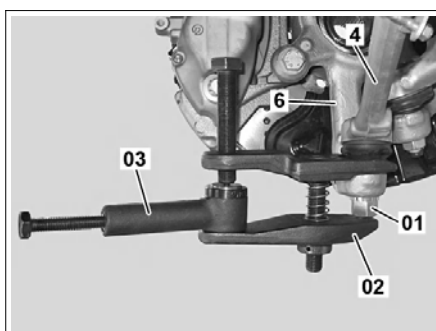
Model 212, 218

Shown on vehicle except code 460 (Canada version), except code 494 (USA version) and except code M005 (4MATIC)

- 1 Nut
- 2 Screw
- 3 Front axle carrier
- 4 Cross strut
- 4a Elastomer bearing
- 5 Nut
- 6 Steering knuckle
- 7 Upper ball joint (except code M005 (4MATIC))
- 8 Bracket



P33.15-2116-06



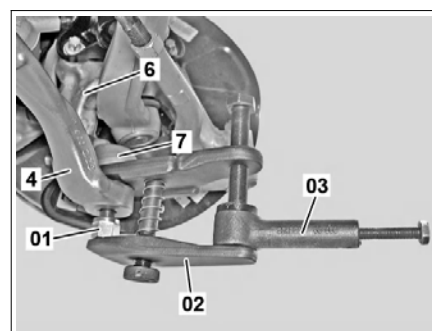
P33.10-2340-01

With code M005 (4MATIC)

- 01 Thrust piece
- 02 Puller
- 03 Press
- 4 Cross strut
- 6 Steering knuckle









Except code M005 (4MATIC)

- 01 Thrust piece
- 02 Puller
- 03 Press
- 4 Cross strut
- 6 Steering knuckle
- 7 Upper ball joint



P33.10-2341-01

	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	Remove/install		
1 	Detach front wheel and tire assembly		AP40.10-P-4050EW
2.1	Remove center and rear engine compartment paneling	Model 212 with engine 156, 157, 271, 272, 273, 274, 276, 278 Model 218 with engine 157, 274, 276, 278	AR61.20-P-1105EW
2.2	Remove center and rear bottom part of noise encapsulation	Model 212, 218 with engine 642, 651	AR94.30-P-5300EW
3	Detach bracket (8) of linkage on front level sensor from cross strut (4)	If a front level sensor is installed. Do not unclip the linkage from the bracket (8). Otherwise the linkage will be damaged.	

4	Unscrew nut (1)	 <p>When releasing the nut (1), the bolt (2) must not be twisted. The bolt (2) must be counterheld.</p> <p>Otherwise the lock tabs for caster adjustment in the elastomer bearing (4a) will be sheared off when the repair kit is fitted.</p> <p>i Installation: Screw nut (1) of bolt (2) all the way on until it makes contact, but do not yet tighten in order to allow the elastomer bearing (4a) to turn when the vehicle is rocked to settle suspension. Only tighten nut (1) in the ready-to-drive condition.</p> <p>Nm Model 218 Screw/bolt, cross strut to front axle carrier</p> <p>Nm Model 218 Self-locking nut (repair kit), cross strut to front axle carrier</p> <p>Nm Model 212 Bolt, cross strut to integral carrier</p> <p>Nm Model 212 Locknut (repair kit), cross strut to integral carrier</p>	<p>*BA33.20-P-1005-01Q</p> <p>*BA33.20-P-1006-01Q</p> <p>*BA33.20-P-1005-01O</p> <p>*BA33.20-P-1006-01O</p>
5.1	Unscrew nut (5) and press cross strut (4) off upper ball joint (7) using thrust piece (01), puller (02) and press (03)	<p>Model 212, 218 except code M005 (4MATIC)</p> <p>i Installation: The grease in the radial groove must not be removed. There must not be any grease on the taper and thread.</p> <p>Nm Model 218 Self-locking nut, cross strut to steering knuckle/upper ball joint</p> <p>Nm Model 212 Locknut, cross strut to steering knuckle/upper ball joint</p> <p> Thrust piece</p> <p> Puller</p> <p> Press</p>	<p>*BA33.20-P-1007-01Q</p> <p>*BA33.20-P-1007-01O</p> <p>*171589003400</p> <p>*221589003300</p> <p>*163589034300</p>
5.2	Unscrew nut (5) and press cross strut (4) off steering knuckle (6) using thrust piece (01), puller (02) and press (03)	<p>Model 212, 218 with code M005 (4MATIC)</p> <p>i Installation: The grease in the radial groove must not be removed. There must not be any grease on the taper and thread.</p> <p>Nm Model 218 Self-locking nut, cross strut to steering knuckle/upper ball joint</p> <p>Nm Model 212 Locknut, cross strut to steering knuckle/upper ball joint</p> <p> Thrust piece</p> <p> Puller</p> <p> Press</p>	<p>*BA33.20-P-1007-01Q</p> <p>*BA33.20-P-1007-01O</p> <p>*171589003400</p> <p>*221589003300</p> <p>*163589034300</p>
6	Pull bolt (2) out of front axle carrier (3) and remove cross strut (4)		
	Check		
7	Check elastomer bearing (4a) in cross strut (4) for signs of damage	<p>If damage is present</p> <p style="text-align: center;">↓</p> <p>Replace cross strut (4).</p>	
8	Check upper ball joint (7) on steering knuckle (6)	<p>Model 212, 218 except code M005 (4MATIC)</p> <p>If damage is present</p> <p style="text-align: center;">↓</p> <p>Replace upper ball joint (7).</p>	<p>AR33.20-P-0427EW</p>
9	Check seal bellows and ball joint of cross strut (4) for damage	<p>Model 212, 218 with code M005 (4MATIC)</p> <p>If damage is present</p> <p style="text-align: center;">↓</p> <p>Replace cross strut (4).</p>	
10	Install in the reverse order		
11	Perform wheel alignment check		<p>AR40.20-P-0200EW</p>


Number	Designation			Model 212 except 4MATIC	MODEL 212 with 4MATIC
BA33.20-P-1005-01O	Bolt, cross strut to integral carrier	Stage 1	Nm	120	120
		Stage 2	Δ°	180	180

 Wheel control, hub


Number	Designation			MODEL 218 except 4MATIC	MODEL 218 with 4MATIC
BA33.20-P-1005-01Q	Screw/bolt, cross strut to front axle carrier	Stage 1	Nm	120	120
		Stage 2	Δ°	180	180

 Wheel control, hub

Number	Designation			Model 212 except 4MATIC	MODEL 212 with 4MATIC
BA33.20-P-1006-01O	Locknut (repair kit), cross M14 × 120 × 11.9 strut to integral carrier	Stage 1	Nm	100	100
		Stage 2	Δ°	180	180

 Wheel control, hub

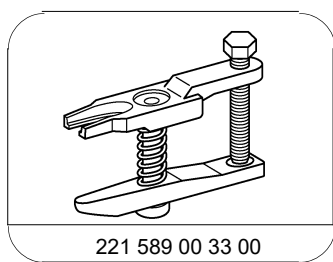
Number	Designation			MODEL 218 except 4MATIC	MODEL 218 with 4MATIC	
BA33.20-P-1006-01Q	Self-locking nut (repair kit), cross strut to front axle carrier	Stage 1	M14 × 120 × 11.9	Nm	100	100
		Stage 2		Δ°	180	180

 Wheel control, hub

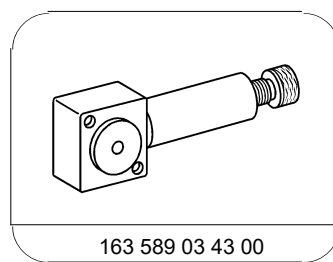
Number	Designation			Model 212 except 4MATIC	MODEL 212 with 4MATIC	
BA33.20-P-1007-01O	Locknut, cross strut to steering knuckle/upper ball joint	Stage 1		Nm	50	50
		Stage 2		Δ°	90	90

 Wheel control, hub

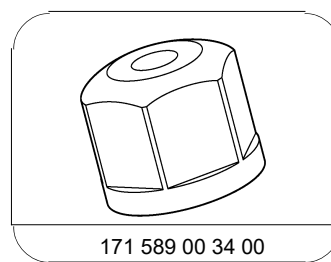
Number	Designation			MODEL 218 except 4MATIC	MODEL 218 with 4MATIC	
BA33.20-P-1007-01Q	Self-locking nut, cross strut to steering knuckle/upper ball joint	Stage 1		Nm	50	50
		Stage 2		Δ°	90	90



Puller



Press



Thrust piece