

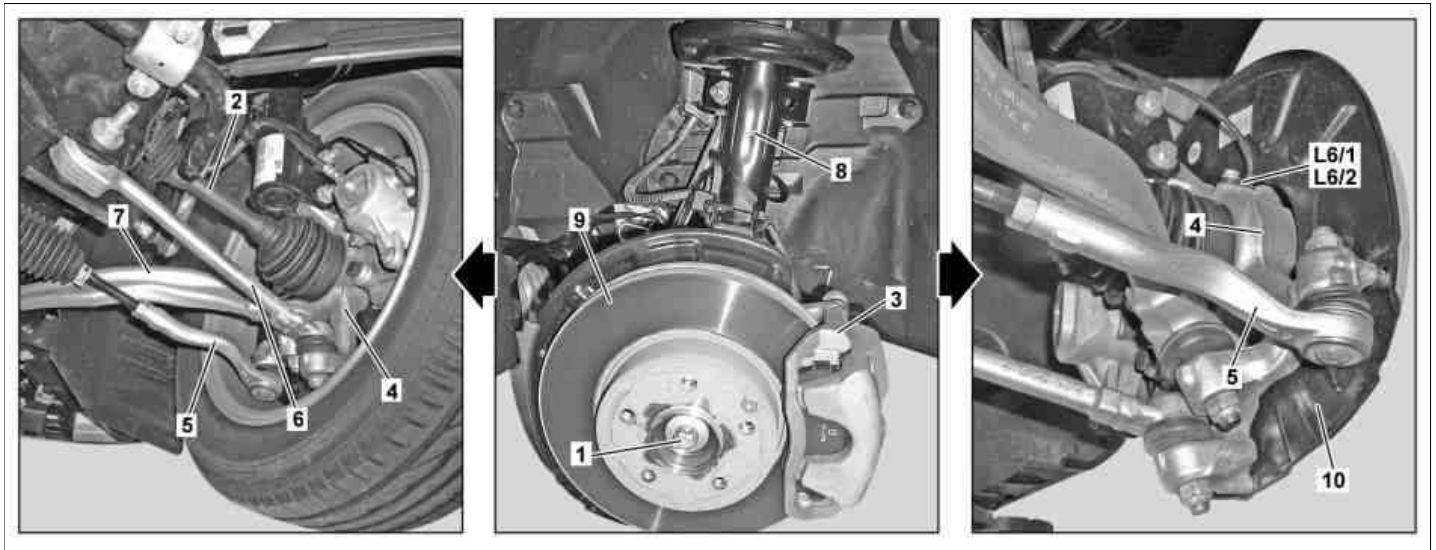
**Model** 212, 218  
with code M005 (4MATIC)

### Modification notes

22.05.2017

Wheel alignment check added.

AS 17



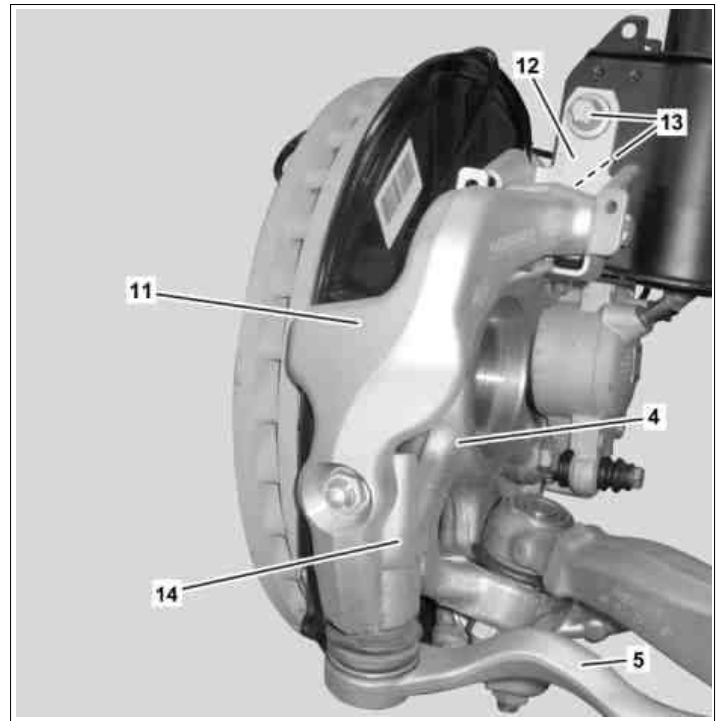
P33.25-2051-08

Shown on MODEL 204 except CODE 460 (Canada version) and except CODE 494 (USA version)

1	Screw	6	Cross strut	10	Brake cover plate
2	Front axle shaft	7	Strut rod	L6/1	Left front axle rpm sensor
4	Steering knuckle	8	Suspension strut	L6/2	Right front axle rpm sensor
5	Tie rod	9	Brake disk		











Shown on model 212.0 with code 460 (Canada version) or with code 494 (USA version)

- 4 Steering knuckle
- 5 Tie rod
- 11 Strut
- 14 Bracket



P33.25-2080-12

	<b>Risk of death</b> 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
Warning	<b>Risk of injury.</b> Moving parts can pinch, crush or, in extreme cases even sever extremities.	No parts of the body or limbs should be within the operating area of mechanical components when moving components.	AS00.00-Z-0009-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	Notes on safety-relevant components		AH00.00-Z-0019-01A
	Notes on repair work on suspension components		AH00.00-P-0100-01A
	<b>Remove/install</b>		
1 	Detach front complete wheel		AP40.10-P-4050EW
2	Remove screw/bolt (1) from front axle shaft (2) Notes on threaded connections fastened using a tightening angle-based tightening process	Screw/bolt, front axle shaft to wheel hub	AH00.00-P-0020-01A *BA33.30-P-1001-02H
3	Remove brake caliper and fasten with connected lines to suspension strut (8)	Model 212.074/075/076/077/274/275/276/277 with code B07 (Ceramic brake system) with code M005 (4MATIC) Model 218.374/375/376/974/975/976 with code B07 (Ceramic brake system) with code M005 (4MATIC) Model 212 (except 212.074/075/076/077/092/274/275/276/277/292), 218 (except 218.374/375/376/392/974/975/976/992) with code M005 (4MATIC) except code B07 (Ceramic brake system)with split floating caliper brake Model 212 (except 212.074/075/076/077/092/274/275/276/277/292) with code M005 (4MATIC) except code B07 (Ceramic brake system)with non-split 1-piston floating caliper brake	AR42.10-P-0070QQ  AR42.10-P-0070EWC  AR42.10-P-0070EWB

		<p>Model 212 (except 212.074/075/076/077/092/274/275/276/277/292), 218 (except 218.374/375/376/392/974/975/976/992) with code M005 (4MATIC) except code B07 (Ceramic brake system) with 4-piston fixed-caliper brake</p> <p> The brake hose must not be pulled or kinked. The brake hose can otherwise be damaged.</p>	AR42.10-P-0070EWA
4	Remove left front axle rpm sensor (L6/1) or right front axle rpm sensor (L6/2) from steering knuckle (4) and unclip electric line from holder		AR42.30-P-0712EW
5	Remove strut (11)	<p>Model 212, 218 as of model year 2015 with code 460 (Canada version) with code M005 (4MATIC)</p> <p>Model 212, 218 as of model year 2015 with code 494 (US version) with code M005 (4MATIC)</p> <p>Model 212.0 as of model year 2015 with code 460 (Canada version) with code M005 (4MATIC)</p> <p>Model 212.0 as of model year 2015 with code 494 (US version) with code M005 (4MATIC)</p>	AR33.25-P-0001EWX
6	<p>Detach tie rod (5) from steering knuckle (4)</p> <p>Notes on threaded connections fastened using a tightening angle-based tightening process</p>	<p>Model 212, 218 with code M005 (4MATIC)</p> <p> Turn in steering onto lock and check for correct seating of  puller on the tie rod (5). Otherwise, the steel bearing race of the tie rod (5) will be damaged and this will then destroy the tie rod (5).</p> <p> Self-locking nut, tie rod to steering knuckle</p> <p> Thrust piece</p> <p> Puller</p> <p> Puller</p> <p> Press</p>	<p>AR46.40-P-0200-02CW</p> <p>AH00.00-P-0020-01A</p> <p>*BA46.40-P-1001-01N</p> <p>*171589003400</p> <p>*221589003300</p> <p>*221589053300</p> <p>*163589034300</p>
7	Remove bracket (14)	<p>Model 212.0 as of model year 2015 with code 460 (Canada version) with code M005 (4MATIC)</p> <p>Model 212.0 as of model year 2015 with code 494 (US version) with code M005 (4MATIC)</p> <p> <b>Installation:</b> Tighten nut for bracket (14) only after installation of the strut (11).</p>	
8	Remove cross strut (6) from steering knuckle (4)		AR33.15-P-0161EW
9	Detach strut rod (7) from steering knuckle (4)		AR33.15-P-0160EWX
10	Tilt steering knuckle (4) to one side, while doing so, pull front axle shaft (2) out of wheel hub	<p> Carefully tilt steering knuckle (4). The seal bellows of the front axle shaft (2) will otherwise be damaged.</p>	
11	Remove suspension strut (8) from steering knuckle (4) and take out steering knuckle (4)	<p>Model 212, 218 with code M005 (4MATIC) except code 489 (AIRMATIC)</p> <p>Model 212, 218 with code 489 (AIRMATIC) with code M005 (4MATIC)</p>	<p>AR32.25-P-1017EW</p> <p>AR32.25-P-1017EWA</p>
12	Remove brake caliper support (3), brake disk (9) and brake cover plate (10) from steering knuckle (4)	When replacing the steering knuckle (4).	

		<p>Model 212.074/075/076/077/274/275/276/277 with code B07 (Ceramic brake system) with code M005 (4MATIC)</p> <p>Model 218.374/375/376/974/975/976 with code B07 (Ceramic brake system) with code M005 (4MATIC)</p> <p>Model 212 (except 212.074/075/076/077/092/274/275/276/277/292 ) with code M005 (4MATIC) except code B07 (Ceramic brake system)</p> <p>Model 218 (except 218.374/375/376/392/974/975/976/992) with code M005 (4MATIC) except code B07 (Ceramic brake system)</p> <p><b>Nm</b> Model 212 with code M005 (4MATIC)</p> <p>Model 218 with code M005 (4MATIC) Bolt, brake cover plate to steering knuckle or wheel carrier</p>	<p>AR42.10-P-0220QQ</p> <p>AR42.10-P-0220EWE</p> <p>*BA42.10-P-1003-06H</p>
	<b>Check</b>		
13	Check seal bellows and ball joint of tie rod (5) for wear and damage	<p>If damage is present</p> <p style="text-align: center;">↓</p> <p>Replace tie rod (5).</p>	AR46.40-P-0200EW
14	Check seal bellows and ball joint of strut rod (7) for wear and damage	<p>If damage is present</p> <p style="text-align: center;">↓</p> <p>Replace strut rod (7).</p>	AR33.15-P-0160EWX
15	Check seal bellows and ball joint of cross strut (6) for damage	<p>If damage is present</p> <p style="text-align: center;">↓</p> <p>Replace cross strut (6).</p>	AR33.15-P-0161EW
16	Check front axle shaft (2) for damage	<p>If damage is present</p> <p style="text-align: center;">↓</p> <p>Replace front axle shaft (2).</p>	AR33.30-P-0620CWX
17	Install in the reverse order		
18	Perform wheel alignment check		AR40.20-P-0200EW

**Nm** Front axle shaft

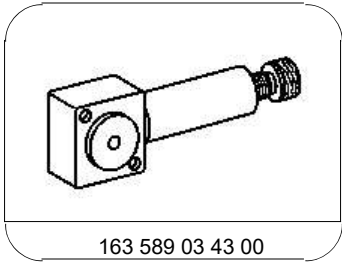
Number	Designation		Model 212	Model 218	
BA33.30-P-1001-02H	Screw/bolt, front axle shaft to wheel hub	Stage 1	Nm	160	160
		Stage 2		lösen	lösen
		Stage 3	Nm	120	120
		Stage 4	Δ°	90	90

**Nm** Brake disks, brake cover plate

Number	Designation		Model 212	Model 218	
BA42.10-P-1003-06H	Bolt, brake cover plate to steering knuckle or wheel carrier	M6	Nm	12	12
		M8	Nm	18	18

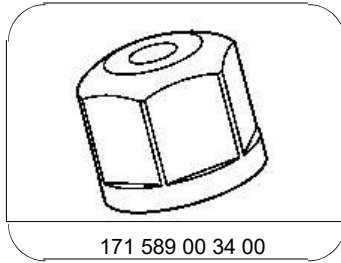
**Nm** Tie rod

Number	Designation		Model 212	Model 218	
BA46.40-P-1001-01N	Self-locking nut, tie rod to steering knuckle	Stage 1	Nm	50	50
		Stage 2	Δ°	90	90



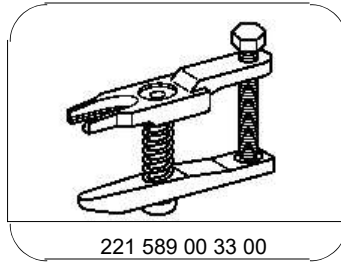
163 589 03 43 00

Press



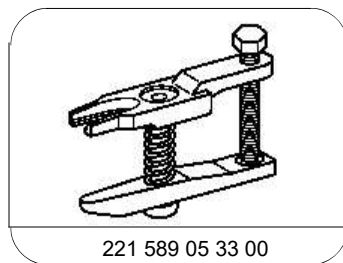
171 589 00 34 00

Thrust piece



221 589 00 33 00

Puller



221 589 05 33 00

Puller