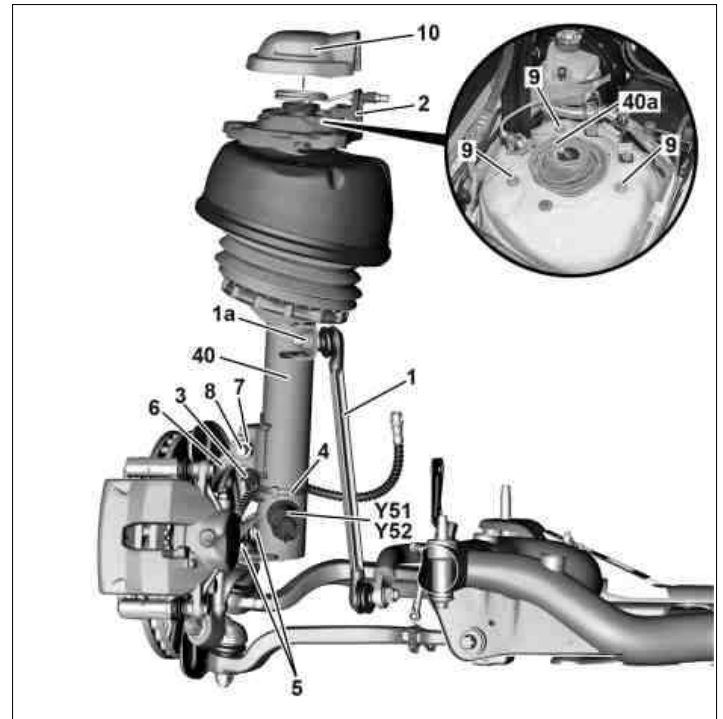


**MODEL 212**  
with CODE 489 (AIRMATIC)

**MODEL 218**  
with CODE 489 (AIRMATIC)

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

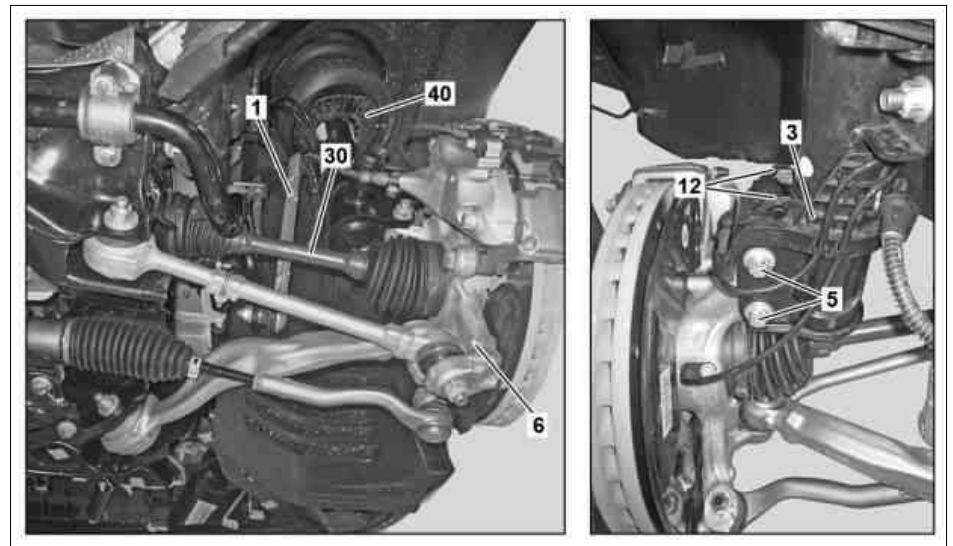
- 1 Torsion bar linkage
- 1a Nut
- 2 Bracket
- 3 Line bracket
- 4 Cable tie
- 5 Bolts
- 6 Steering knuckle
- 7 Nut
- 8 Screw
- 9 Screw
- 10 Cover
- 40 Suspension strut
- 40a Pressure line
- Y51 Left front axle damping valve unit
- Y52 Right front axle damping valve unit



P32.22-2463-12

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

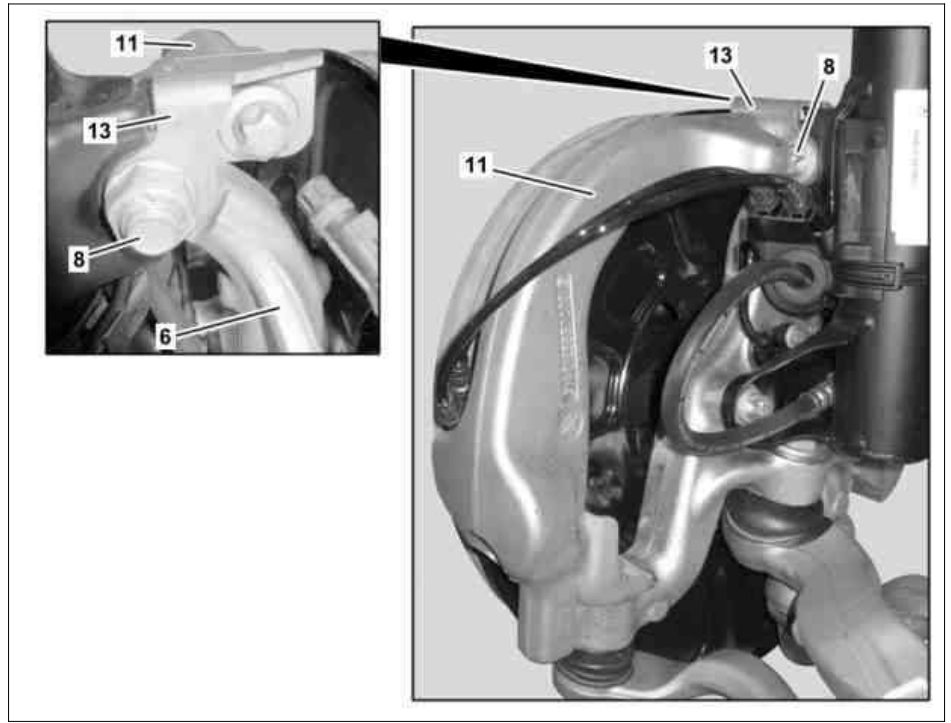
- 1 Torsion bar linkage
- 3 Line bracket
- 5 Bolts
- 6 Steering knuckle
- 12 Retaining clips
- 40 Suspension strut



P32.25-2258-05

MODEL 212.0 as of model year 2015 except  
 CODE M005 (4MATIC) with CODE 460  
 (Canada version) or with CODE 494 (USA  
 version)

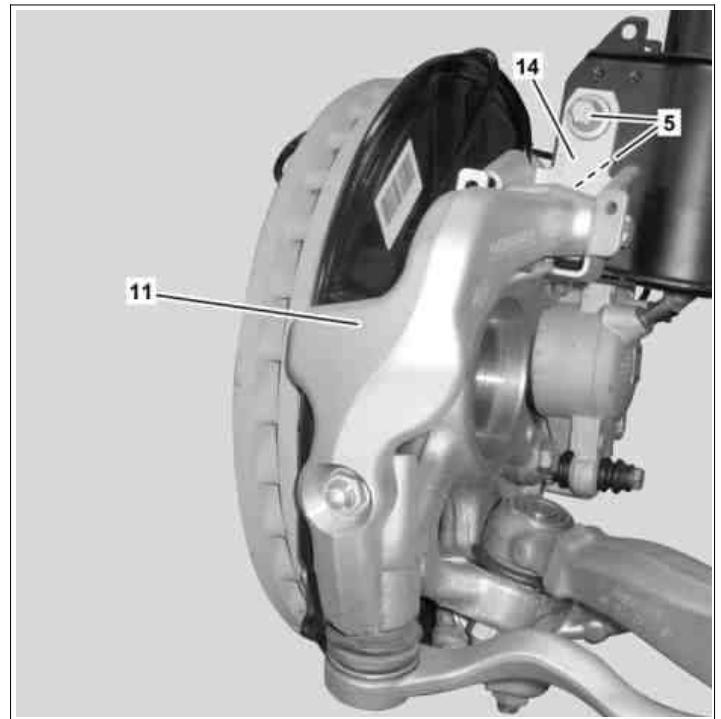
- 6 Steering knuckle
- 8 Screw
- 11 Supporting strut
- 13 Bracket



P33.25-2077-06









MODEL 212.0 as of model year 2015 with CODE M005 (4MATIC) with  
 CODE 460 (Canada version) or with CODE 494 (USA version)



- 5 Bolts
- 11 Supporting strut
- 14 Bracket












P33.25-2078-12

	<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
	<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 range of the mechanism when moving components.	AS00.00-Z-0009-01A
ⓘ	Notes on AIRmatic		AH32.22-P-1000-02EW
ⓘ	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
↔ ↔	<b>Remove/install</b>		
1	Place front wheels in straight-ahead position		

2	Drain left or right suspension strut (40) using diagnostic system		AD00.00-P-2000-04A
		 <b>Installation:</b> The suspension strut (40) must be filled according to specification. Otherwise, the suspension strut (40) may suffer initial damage and malfunction later at a later stage.	
3.1	Switch off ignition and remove transmitter key from electronic ignition lock control unit	MODEL 212 with CODE 489 (AIRMATIC) without CODE 889 (KEYLESS-GO) MODEL 218 with CODE 489 (AIRMATIC) without CODE 889 (KEYLESS-GO)	
3.2	Switch off ignition and remove transmitter key or KEYLESS-GO start/stop button from electronic ignition lock control unit	MODEL 212 with CODE 489 (AIRMATIC) with CODE 889 (KEYLESS-GO) MODEL 218 with CODE 489 (AIRMATIC) with CODE 889 (KEYLESS-GO)	
4	Remove cover (10) from left or right suspension strut (40)		
5	Detach pressure line (40a) from suspension strut (40).	 <b>Installation:</b> When reinstalling the old suspension strut (40), make sure that the pressure line (40a) is carefully screwed on to the plastic thread. Otherwise, if not screwed on properly, the plastic thread will be damaged thereby causing irreparable damage to the suspension strut (40).  Seal pressure line (40a) with blind plugs during repair work. When replacing the suspension strut (40): ↓ Detach old pressure line connection to the pressure line (40a). To do this break open the clamping ring, detach pressure line connection and insert the pressure line (40a) up to the marking in the new pressure line connection. Pull back pressure line (40a) a short distance so that the peripheral retaining edges in the inside of the clamping ring engage in the line outer surface. If pressure line (40a) or pressure line connection is damaged or leaky: ↓ Repair pressure line (40a) or damaged pressure line connection.  Pressure line to front suspension strut/valve unit  Knife  Socket wrench bit	AR32.22-P-2001-02SX *BA32.22-P-1011-03E *000589122800 *211589000900
6	Detach bracket (2) with pressure line connection from suspension strut (40)		
7	Remove front wheel		AP40.10-P-4050EW
		 Counterhold ball stud using internal TORX.  Nut, link rod to suspension strut	*BA32.20-P-1002-02P
8	Unscrew nut (1a) and remove torsion bar linkage (1) from suspension strut (40)		
9	Unclip electrical line of right front brake wear sensor from right line bracket (3)	When removing the right suspension strut (40).	
10	Unclip electrical line of the left front axle rpm sensor or right front axle rpm sensor from corresponding line bracket (3)		
11	Remove cable tie (4) on suspension strut (40)	MODEL 212 with CODE 489 (AIRMATIC) without CODE M005 (4MATIC) MODEL 218 with CODE 489 (AIRMATIC) without CODE M005 (4MATIC)	

		<p><b>i</b> <b>Installation:</b> Observe installation position and replace cable tie (4).</p> <p> Pliers</p>	*164589013700
12.1	Unclip line bracket (3) from suspension strut (40) and place to one side	<p>MODEL 212 with CODE 489 (AIRMATIC) without CODE M005 (4MATIC)</p> <p>MODEL 218 with CODE 489 (AIRMATIC) without CODE M005 (4MATIC)</p>	
12.2	Open retaining clip (12) and remove line bracket (3) from suspension strut (40)	<p>MODEL 212 with CODE 489 (AIRMATIC) with CODE M005 (4MATIC)</p> <p>MODEL 218 with CODE 489 (AIRMATIC) with CODE M005 (4MATIC)</p>	
13	Detach connector from left front-axle damping valve unit (Y51) or right front-axle damping valve unit (Y52)		
14	Remove supporting strut (11).	<p>MODEL 212.0 as of model year 2015 with CODE 460 (Canada version) with CODE 489 (AIRMATIC)</p> <p>MODEL 212.0 as of model year 2015 with CODE 489 (AIRMATIC) with CODE 494 (US version)</p> <p>MODEL 212.0 as of model year 2015 with CODE 460 (Canada version) with CODE 489 (AIRMATIC) without CODE M005 (4MATIC)</p> <p>MODEL 212.0 as of model year 2015 with CODE 489 (AIRMATIC) with CODE 494 (US version) without CODE M005 (4MATIC)</p> <p>MODEL 212.0 as of model year 2015 with CODE 460 (Canada version) with CODE 489 (AIRMATIC) with CODE M005 (4MATIC)</p> <p>MODEL 212.0 as of model year 2015 with CODE 489 (AIRMATIC) with CODE 494 (US version) without CODE M005 (4MATIC)</p>	<p>AR33.25-P-0001EW</p> <p>AR33.25-P-0001EWX</p>
15	Remove bolts (5) from steering knuckle (6)	<p>MODEL 212 with CODE 489 (AIRMATIC) without CODE M005 (4MATIC)</p> <p>MODEL 218 with CODE 489 (AIRMATIC) without CODE M005 (4MATIC)</p> <p><b>Nm</b> Model 212, 218 except code M005 (4MATIC)</p>	*BA32.25-P-1002-04M
16	Secure steering knuckle (6) to prevent it from tilting away	<p> The brake hose and electrical lines may not be pulled. Otherwise, the brake hose and the electrical lines may be damaged.</p>	
17.1	Unscrew nut (7) and pull out bolt (8)	<p>MODEL 212 with CODE 489 (AIRMATIC) without CODE M005 (4MATIC)</p> <p>MODEL 218 with CODE 489 (AIRMATIC) without CODE M005 (4MATIC)</p> <p><b>i</b> <b>Installation:</b> Replace bolt (8). Tighten bolt (8) and nut (7) only after installation of supporting strut (11).</p>	

		<p> MODEL 212.0 as of model year 2015 with CODE 460 (Canada version) with CODE 489 (AIRMATIC) without CODE M005 (4MATIC) MODEL 212.0 as of model year 2015 with CODE 489 (AIRMATIC) with CODE 494 (US version) without CODE M005 (4MATIC) Remove bolt (8) together with bracket (13).</p> <p> Model 212, 218 except code M005 (4MATIC)</p>	*BA32.25-P-1001-04M
17.2	Remove bolts (5) from steering knuckle (6)	<p>MODEL 212 with CODE 489 (AIRMATIC) with CODE M005 (4MATIC) MODEL 218 with CODE 489 (AIRMATIC) with CODE M005 (4MATIC)</p> <p> MODEL 212.0 as of model year 2015 with CODE 460 (Canada version) with CODE 489 (AIRMATIC) with CODE M005 (4MATIC) MODEL 212 as of model year 2015 with CODE 489 (AIRMATIC) with CODE 494 (US version) with CODE M005 (4MATIC) Detach bracket (14).</p> <p> MODEL 212, 218 with code M005 (4MATIC)</p>	*BA32.25-P-1005-04M
18	Remove bolts (9) from suspension strut tower	 MODEL 212, 218 with CODE 489 (AIRmatic)	*BA32.25-P-1003-04M
19	Remove suspension strut (40)	<p> <b>Removal:</b> Carefully remove suspension strut (40). Otherwise, the outer boot of the suspension strut (40) may be damaged.</p> <p> <b>Installation:</b> The outer boot on the suspension strut (40) may not be pressed in during assembly, rectify any deformations. Otherwise the movement of the spring will damage the spring bellows on the inside.</p>	
20	Check suspension strut (40) for damage	<p>If damage is present: ↓ Replace suspension strut (40).</p>	AR32.25-P-1017-02T
21	<p><b>Risk of injury</b> caused by drilling gas-filled assemblies or components (noncombustible gases) Dispose of damaged suspension strut (40)</p>	<p>Wear safety glasses and a face mask.</p> <p>If the removed suspension strut (40) is damaged and consequently has to be replaced.</p>	AS00.00-Z-0006-01A
22	Install in the reverse order		
	<b>Check</b>		
23	Check AIRmatic for leaks	<p>MODEL 212 with CODE 489 (AIRMATIC) MODEL 218 with CODE 489 (AIRMATIC)</p>	<p>AR32.22-P-8100EW AR32.22-P-8100EL</p>
24	<p><b>Risk of accident</b> from vehicle starting off by itself when engine running. <b>Risk of injury</b> (bruises and burns) resulting from working on the engine while it is being started or when it is running. Perform engine test run and check AIRmatic for proper operation</p>	Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
25	Read out fault memory using the diagnostic system and delete		AD00.00-P-2000-04A
			
26	Perform wheel alignment check		AR40.20-P-0200EW

Number	Designation		MODEL 212	MODEL 218
BA32.20-P-1002-02P	Nut, link rod to suspension strut	Nm	98	98

**Nm** Air suspension

Number	Designation		MODEL 212	MODEL 218
BA32.22-P-1011-03E	Pressure line to front suspension strut/valve unit	Nm	2 (+0,5)	2 (+0,5)

**Nm** Suspension struts

Number	Designation		MODEL 212.00/02/03/04/05/0 61/065/072/073/095/0 98/13/14/15/162/165/ 19/20/22/23/24/25/26 1/265/272/273/298 with CODE 489, MODEL 212.074/075/077/274/ 275/277 with CODE 489, except CODE 488	MODEL 218.30/32/33/35/361/ 362/365/373/90/92/9 3/95/961/965/973 with CODE 489, MODEL 218.374/375/974/975 with CODE 489, except CODE 488		
BA32.25-P-1001-04M	Bolt, suspension strut to steering knuckle at top	M14×45	Stage 1	Nm	100	100
			Stage 2	∠°	90	90

**Nm** Suspension struts

Number	Designation		MODEL 212.00/02/03/04/05/0 61/065/072/073/095/0 98/13/14/15/162/165/ 19/20/22/23/24/25/26 1/265/272/273/298 with CODE 489, MODEL 212.074/075/077/274/ 275/277 with CODE 489, except CODE 488	MODEL 218.30/32/33/35/361/ 362/365/373/90/92/9 3/95/961/965/973 with CODE 489, MODEL 218.374/375/974/975 with CODE 489, except CODE 488		
BA32.25-P-1002-04M	Bolt, suspension strut to steering knuckle at bottom	M12×20	Stage 1	Nm	70	70
			Stage 2		lösen	lösen
			Stage 3	Nm	100	100

**Nm** Suspension struts

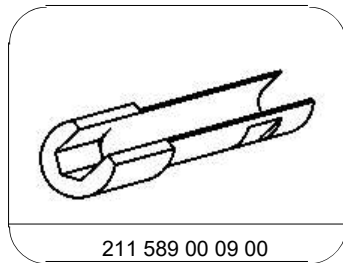
Number	Designation		MODEL 212.00/02/03/04/05/0 61/065/072/073/095/0 98/13/14/15/162/165/ 19/20/22/23/24/25/26 1/265/272/273/298 with CODE 489, MODEL 212.074/075/077/274/ 275/277 with CODE 489, except CODE 488	MODEL 212.067/08/090/091/ 093/094/097/099/167 /168/211/267/28/291/ 293/294/297/299 with CODE 489, MODEL 212.076/092/276/292 with CODE 489, except CODE 488
BA32.25-P-1003-04M	Screw/bolt, suspension strut to body	Nm	33	33

**Nm** Suspension struts

Number	Designation		MODEL 218.30/32/33/35/361/ 362/365/373/90/92/93 /95/961/965/973 with CODE 489, MODEL 218.374/375/974/975 with CODE 489, except CODE 488	MODEL 218.367/368/391/393 /394/397/967/968/99 /1/993/994/997 with CODE 489, MODEL 218.376/392/976/992 with CODE 489, except CODE 488
BA32.25-P-1003-04M	Screw/bolt, suspension strut to body	Nm	33	33

**Nm** Suspension struts

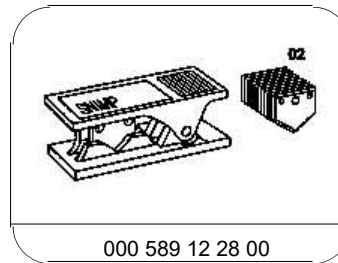
Number	Designation		MODEL 212.067/08/090/091/0 93/094/097/099/167/1 68/211/267/28/291/29 3/294/297/299 with CODE 489, MODEL 212.076/092/276/292 with CODE 489, except CODE 488	MODEL 218.367/368/391/393 /394/397/967/968/99 /1/993/994/997 with CODE 489, MODEL 218.376/392/976/992 with CODE 489, except CODE 488
BA32.25-P-1005-04M	Bolt, suspension strut to steering knuckle	M14×70		
		Stage 1	Nm	120
		Stage 2	Δ°	90



Socket wrench bit



Pliers



Knife