

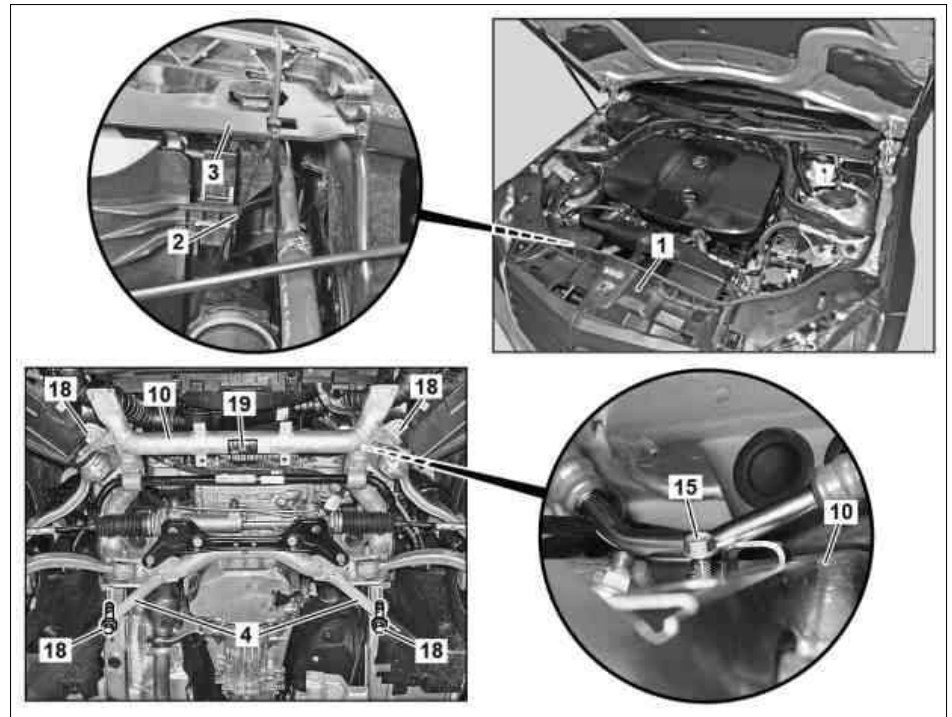
Model 212, 218 (except 218.336/936)

Modification notes

22.10.2014	Switch off ignition added.	Operation steps 4.1, 4.2	
24.10.2014	Remove bracket with oil filter from front axle carrier, added.	Operation step 24	
24.10.2014	Remove cover panel, added.	Operation step 23	

Shown on MODEL 212.0 with CODE M005 (4MATIC) except CODE 211 (Direct-Steer system)

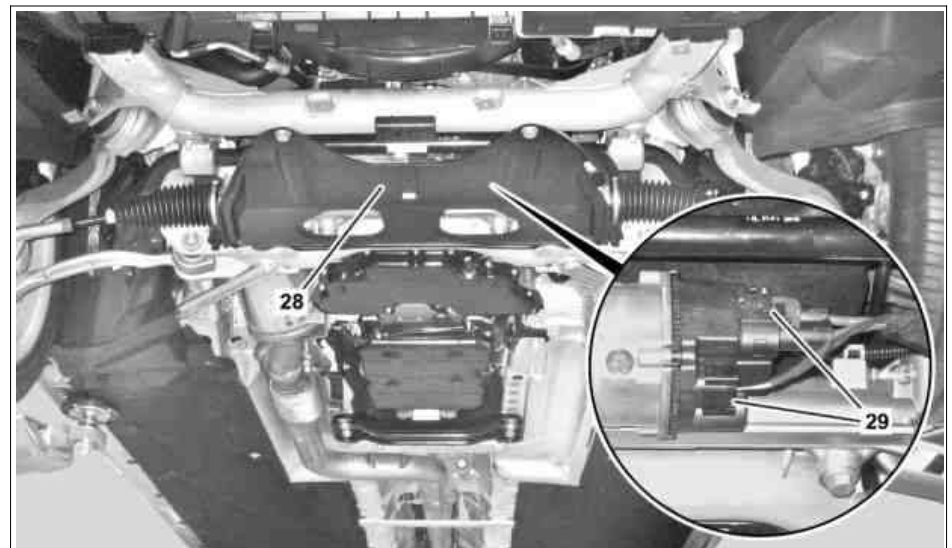
- 1 Cold air intake bridge
- 2 Cable tie
- 3 Radiator cross member
- 4 Diagonal struts
- 10 Front axle carrier
- 15 Bolt (MODEL 212 except CODE 211 (Direct-Steer system))
- 18 Screw



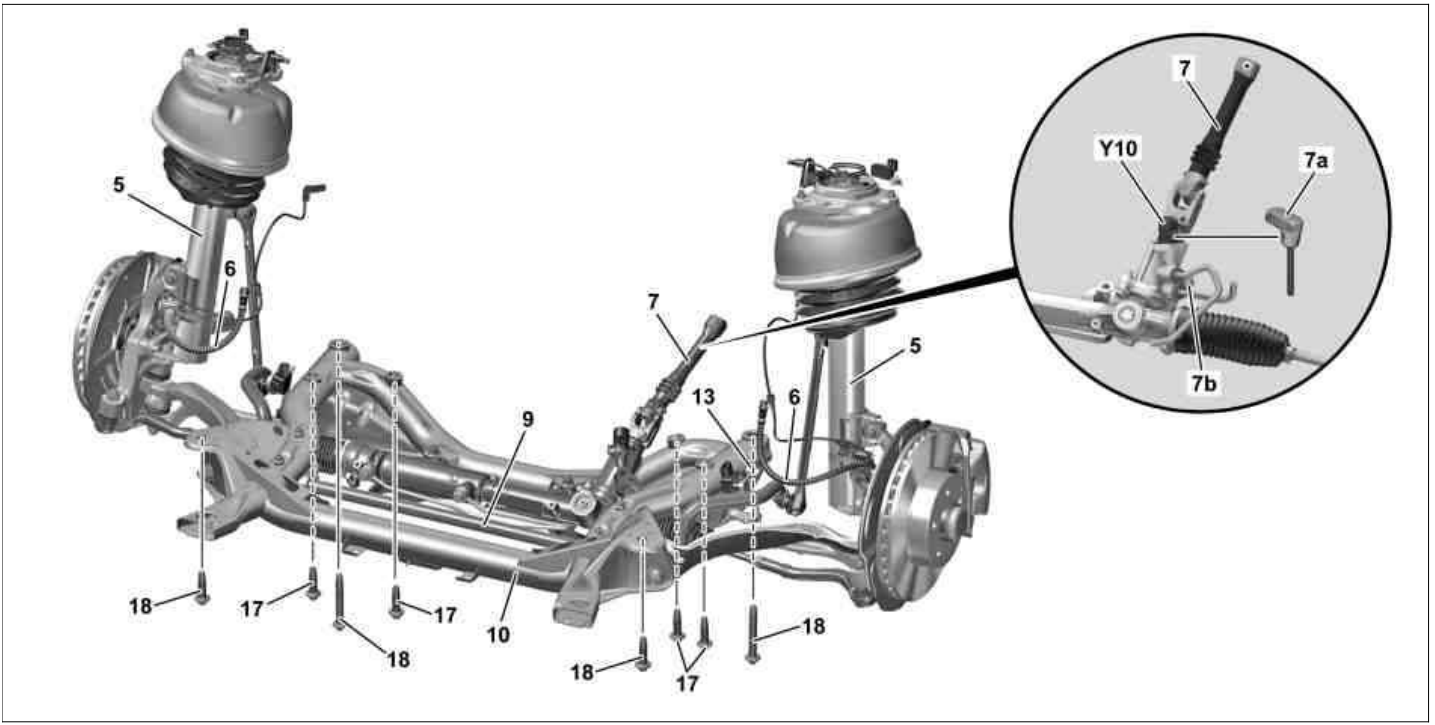
P33.10-2327-06

MODEL 212 with CODE 211 (Direct-Steer system), MODEL 218, shown with CODE M005 (4MATIC)

- 28 Cover panel
- 29 Electrical connectors



P33.10-2359-05



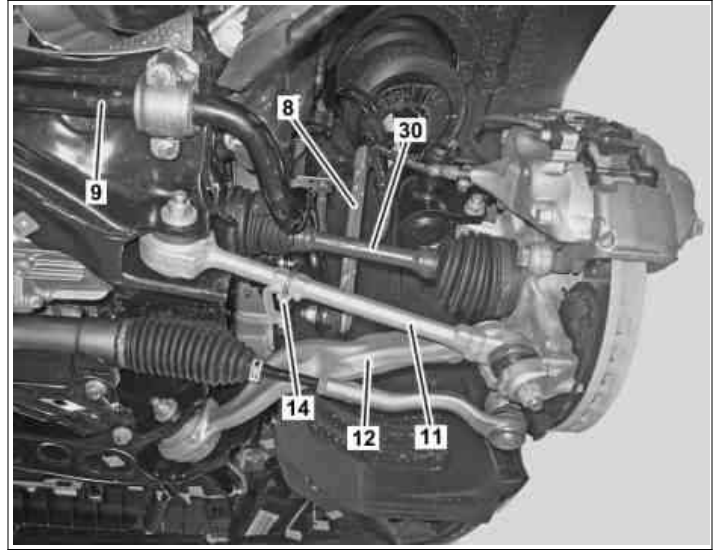
P33.10-2329-09

Shown on MODEL 212.0 with CODE 489 (AIRmatic), except CODE 211 (Direct-Steer system), except CODE M005 (4MATIC), except CODE 460 (Canada version) and except CODE 494 (USA version)

5	Suspension strut	7b	Bolt (MODEL 212 except CODE 211 (Direct-Steer system))	18	Screw
6	Brake hose	10	Front axle carrier	Y10	Speed-sensitive power steering solenoid valve (MODEL 212 except CODE 211 (Direct-Steer system))
7	Steering coupling	13	Front level sensor linkage ((left side of vehicle: MODEL 212 with CODE 488 (Steel/air suspension) or with CODE 489 (AIRmatic) or with CODE 615 (Bi-xenon headlamp with active curve lights) or with CODE 621 (Intelligent Light System (left-hand traffic)) or with CODE 622 (Intelligent Light System) or with CODE 640 (LED dynamic headlamp, SAE right-hand traffic) or with CODE 641 (Dynamic LED headlamp, left-hand traffic) or with CODE 642 (Dynamic LED headlamp, right-hand traffic), MODEL 218) (right side of vehicle: MODEL 212, 218 with CODE 488 (Steel/air suspension) or with CODE 489 (AIRmatic)))		
7a	Electrical connection (MODEL 212 except CODE 211 (Direct-Steer system))	17	Bolts		

Shown on right side of vehicle with CODE M005 (4MATIC)

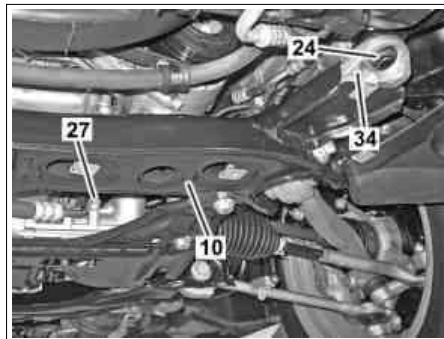
- 11 Cross strut
- 14 Bracket ((left side of vehicle: MODEL 212 with CODE 488 (Steel/air suspension) or with CODE 489 (AIRmatic) or with CODE 615 (Bi-xenon headlamp with active curve lights) or with CODE 621 (Intelligent Light System (left-hand traffic)) or with CODE 622 (Intelligent Light System) or with CODE 640 (LED dynamic headlamp, SAE right-hand traffic) or with CODE 641 (Dynamic LED headlamp, left-hand traffic) or with CODE 642 (Dynamic LED headlamp, right-hand traffic), MODEL 218) (right side of vehicle: MODEL 212, 218 with CODE 488 (Steel/air suspension) or with CODE 489 (AIRmatic)))
- 30 Front axle shaft (with CODE M005 (4MATIC))



P33.10-2337-11

Shown on MODEL 212 except CODE 211 (Direct-Steer system)

- 4 Diagonal strut
- 10 Front axle carrier
- 22 Support strut
- 24 Rubber support
- 27 Bolt (MODEL 212 except CODE 211 (Direct-Steer system))



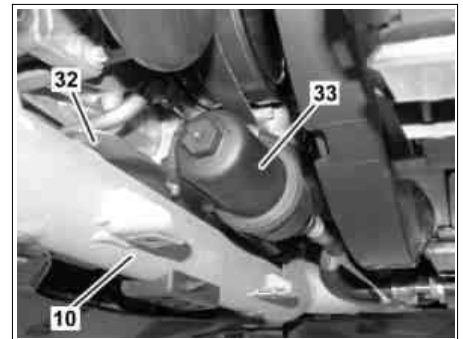
P33.10-2336-01



P33.10-2334-01






MODEL 212, 218 with TRANSMISSION 725


- 32 Bracket
- 33 Oil filter















P33.10-2455-01

	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
⚠ Warning	Risk of injury to skin or eyes from hydraulic fluid spraying out under pressure. Risk of poisoning from swallowing hydraulic fluid.	Depressurize hydraulic system completely before starting any work on it. Wear protective clothing and safety glasses.	AS00.00-Z-0013-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	Brake fluid notes		AH42.50-P-0001-01A
	Notes on repair work on suspension components		AH00.00-P-0100-01A
🔧 🔩	Remove/install		
1	Deactivate easy entry/exit feature	Model 212, 218 (except 218.336/936) with code 275 (Memory package)	
2	Extend the adjustable steering column fully or pull out		

3	Move front wheels to straight-ahead position and secure steering wheel	 The steering wheel must not be turned when the steering coupling (7) has been detached. The clock spring contact may be destroyed otherwise.  Retainer device	*129589012100
4.1	Switch off ignition and remove transmitter key from electronic ignition lock control unit	Model 212, 218 (except 218.336/936) except code 889 (KEYLESS-GO)	
4.2	Switch off ignition and remove transmitter key or KEYLESS-GO start/stop button from electronic ignition lock control unit	Model 212, 218 (except 218.336/936) with code 889 (KEYLESS-GO)	
5	Open engine hood and raise to vertical position	Model 212, 218 (except 218.336/936) Model 212	AR88.40-P-1000EW
6	Remove air filter housing	Model 212 with engine 272, 273	AR09.10-P-1150EWS
7	Remove cold air intake cross member (1)	Model 212, 218 with engine 157, 276, 278 Model 212 with engine 156, 271, 272, 273, 274, 642, 651 Model 218 with engine 642, 651	AR20.40-P-5050EL AR20.40-P-5050EW
8	Fasten radiator on the left and right to radiator cross member (3) using cable ties (2)		
9	Extract oil from power steering expansion reservoir	Model 212 except code 211 (Direct-Steer system)  Hand pump	*210589007100
10	Secure vehicle on vehicle lift		AR00.60-P-0100EWS
11	Remove front wheel-and-tire assemblies		AP40.10-P-4050EW
12.1	Remove lower engine compartment paneling	Model 212 with engine 156 Model 212 with engine 271 Model 212 with engine 272 Model 212 with engine 273 Model 212 with engine 274 Model 212, 218 with engine 157 Model 212, 218 with engine 276 Model 212, 218 with engine 278  MODEL 212 except CODE 211 (Direct-Steer system) Installation: Install engine compartment paneling at bottom only after checking for leaks on the steering.	AR61.20-P-1105EW
12.2	Remove bottom section of soundproofing	Model 212, 218 with engine 642 Model 212, 218 with engine 651  MODEL 212 except CODE 211 (Direct-Steer system) Installation: Only install bottom sections of soundproofing after leak check on steering.	AR94.30-P-5300EW
13	Remove both front axle shafts (30)	Model 212, 218 (except 218.336/936) with code M005 (4MATIC)	AR33.30-P-0620CWX
14	Remove rear section of fender liner in left and right front fender		AR88.10-P-1300ELX
15	Remove left and right front brake line from brake hose (6)		AR42.10-P-0013EW
16.1	Remove both suspension struts (5)	Model 212, 218 (except 218.336/936) except code M005 (4MATIC) Model 212, 218 (except 218.336/936) except code 489 (AIRMATIC) except code M005 (4MATIC) Model 212, 218 (except 218.336/936) with code 489 (AIRMATIC) except code M005 (4MATIC)	AR32.25-P-1017EW AR32.25-P-1017EWA
16.2	Remove both suspension struts (5) with steering knuckle	Model 212, 218 (except 218.336/936) with code M005 (4MATIC) Model 212, 218 (except 218.336/936) with code M005 (4MATIC) except code 489 (AIRMATIC) Model 212, 218 (except 218.336/936) with code 489 (AIRMATIC) with code M005 (4MATIC)	AR32.25-P-1017EW AR32.25-P-1017EWA

17	Insert one suitable bolt M8 each from the underside into the suspension strut towers and fasten with nuts		
18	Mount engine hoist	Model 212 with engine 156, 157, 271, 272, 273, 274, 276, 278, 642, 651 Model 218 with engine 157, 276, 278, 642, 651	AR33.10-P-0105EW
19	Disconnect electrical connections from front axle in left and right wheel well		AR33.10-P-0100-06CW
20.1	Unclip bracket (14) of front level sensor linkage (13) from left cross strut (11)	Model 212 with code 488 (Steel/air suspension) except code M005 (4MATIC) Model 212 with code 489 (AIRMATIC) except code M005 (4MATIC) Model 212 with code 615 (Bi-xenon headlamps with active light function) except code M005 (4MATIC) Model 212 with code 621 (Intelligent Light System (left-hand traffic)) except code M005 (4MATIC) Model 212 with code 622 (Intelligent Light System) except code M005 (4MATIC) Model 212 with code 640 (SAE dynamic LED headlamps, right-hand traffic) except code M005 (4MATIC) Model 212 with code 641 (Dynamic LED headlamps, left-hand traffic) except code M005 (4MATIC) Model 212 with code 642 (Dynamic LED headlamps, right-hand traffic) except code M005 (4MATIC) Model 218 (except 218.336/936) except code M005 (4MATIC)  Do not unclip front level sensor linkage (13) from bracket (14). Otherwise, the front level sensor linkage (13) may be damaged.	
20.2	Disassemble mounting bar of bracket (14) from left cross strut (11)	Model 212 with code 488 (Steel/air suspension) with code M005 (4MATIC) Model 212 with code 489 (AIRMATIC) with code M005 (4MATIC) Model 212 with code 615 (Bi-xenon headlamps with active light function) with code M005 (4MATIC) Model 212 with code 621 (Intelligent Light System (left-hand traffic)) with code M005 (4MATIC) Model 212 with code 622 (Intelligent Light System) with code M005 (4MATIC) Model 212 with code 640 (SAE dynamic LED headlamps, right-hand traffic) with code M005 (4MATIC) Model 212 with code 641 (Dynamic LED headlamps, left-hand traffic) with code M005 (4MATIC) Model 212 with code 642 (Dynamic LED headlamps, right-hand traffic) with code M005 (4MATIC) Model 218 (except 218.336/936) with code M005 (4MATIC)	

		 <p>Do not unclip front level sensor linkage (13) from bracket (14). Otherwise, the front level sensor linkage (13) may be damaged.</p>	
21.1	Unclip bracket (14) of front level sensor linkage (13) from right cross strut (11)	<p>Model 212, 218 (except 218.336/936) with code 488 (Steel/air suspension) except code M005 (4MATIC)</p> <p>Model 212, 218 (except 218.336/936) with code 489 (AIRMATIC) except code M005 (4MATIC)</p>  <p>Do not unclip front level sensor linkage (13) from bracket (14). Otherwise, the front level sensor linkage (13) may be damaged.</p>	
21.2	Disassemble mounting bar of bracket (14) from right cross strut (11)	<p>Model 212, 218 (except 218.336/936) with code 488 (Steel/air suspension) with code M005 (4MATIC)</p> <p>Model 212, 218 (except 218.336/936) with code 489 (AIRMATIC) with code M005 (4MATIC)</p>  <p>Do not unclip front level sensor linkage (13) from bracket (14). Otherwise, the front level sensor linkage (13) may be damaged.</p>	
22	Remove steering coupling (7) from steering gear		AR46.10-P-8000EW
23	Remove cover panel (28)	<p>Model 212 with code 211 (Direct-Steer system)</p> <p>Model 218 (except 218.336/936)</p>  Bolt, cover panel to front axle carrier	*BA33.10-P-1005-01M
24	Remove bracket (32) together with oil filter (33) from front axle carrier (10) and place to one side with connected oil lines	Model 212, 218 (except 218.336/936) with transmission 725	
25.1	Detach electrical connection (7a) from speed-sensitive power steering solenoid valve (Y10) and unclip the retaining clip from the front axle carrier (10)	Model 212 except code 211 (Direct-Steer system)	
25.2	Disconnect electrical connections (29) from steering gear and remove related wiring harness from front axle carrier (10)	Model 212 with code 211 (Direct-Steer system)	Model 218 (except 218.336/936)
26	Remove bolt (15) from bracket of hydraulic line to front axle carrier (10)	Model 212 except code 211 (Direct-Steer system)	
27	Remove bolt (27) from steering gear	<p>Model 212 except code 211 (Direct-Steer system)</p>  High pressure and low-pressure hoses to rack-and-pinion steering housing	*BA46.20-P-1004-01N
28	Remove bolt (7b) and remove hydraulic lines from steering gear	<p>Model 212 except code 211 (Direct-Steer system)</p>  Installation: Install new seals.	*BA46.20-P-1003-01N
29	Use suitable stop plugs to seal the previously-detached hydraulic lines and corresponding connection fitting on the steering gear	<p>Model 212 except code 211 (Direct-Steer system)</p>  Record plug	*129589009100
30	Release left and right longitudinal member panel in front area until the diagonal struts (4) can be removed		
31	Remove left and right diagonal strut (4)	<p> Installation: The bolts of the diagonal struts (4) may only be tightened once the vehicle wheels are on the ground.</p>  Bolt, diagonal strut mount to front axle carrier/longitudinal member	*BA61.10-P-1004-01H
		 Engine mount wrench set	*001589011600
32	Remove bolts (17) from engine mounts	 Bolt, front engine mount to front axle carrier	*BA22.10-P-1002-03E
33	Installing protective washers to protect brake disk dust shields	 Guard plate	AR42.00-P-0100-01A
			*220589013100

34	Prop up the front axle using a lifting platform and strap down using suitable tensioning straps 000 588 03 62 00 Lifting platform		WS01.00-P-0091A
WS			
35	Remove left and right support strut (22) from underfloor and front axle carrier (10)	Nm Fixing of support (strut)	*BA33.10-P-1002-01M
36	Remove bolts (18)	i Installation: Replace screws (18). Nm Bolt, front axle carrier to longitudinal member	*BA33.10-P-1001-01M
37	Lower front axle	i Installation: Check rubber supports (24) for radiator are correctly seated.	
38	Install in the reverse order		
39	Bleed brake system		AR42.10-P-0010EW
40	Fill power steering pump and bleed	Model 212 except code 211 (Direct-Steer system)	AR46.30-P-0010EW
41	Perform wheel alignment check		AR40.20-P-0200EW

Nm Engine mount, engine support (engine side)

Number	Designation	Model 212	Model 218
BA22.10-P-1002-03E	Bolt, front engine mount to front axle carrier M8 Nm	28	28

Nm Front axle carrier

Number	Designation	Model 212	Model 218
BA33.10-P-1001-01M	Bolt, front axle carrier to longitudinal member Nm	180	180

Nm Front axle carrier

Number	Designation	Model 212	Model 218
BA33.10-P-1002-01M	Fixing of support (strut) Nm	110	110

Nm Front axle carrier

Number	Designation	Model 212	Model 218
BA33.10-P-1005-01M	Bolt, cover panel to front axle carrier Nm	55	55

Nm Steering gear

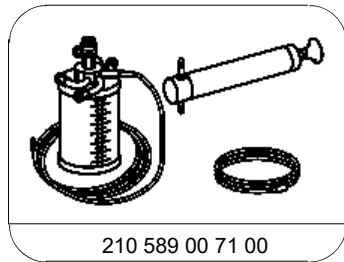
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BA46.20-P-1003-01N	Bolt, clamp plate, high-pressure line / return line to rack-and-pinion steering control head Nm	21	21

Nm Steering gear

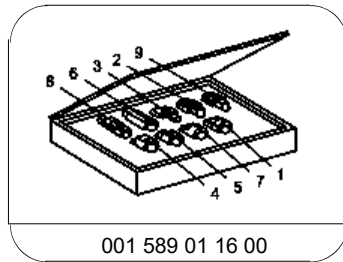
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BA46.20-P-1004-01N	High pressure and low-pressure hoses to rack- and-pinion steering housing	M6	Nm 10	10

Nm Frame floor assembly

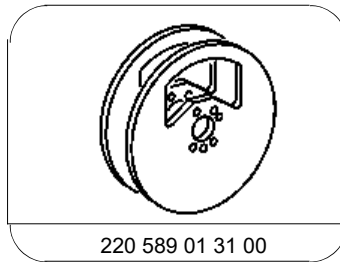
Number	Designation		Model 212	Model 218
BA61.10-P-1004-01H	Bolt, diagonal strut mount to front axle carrier/longitudinal member	M6	Nm 60	60



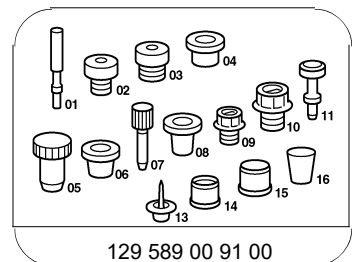
Hand pump



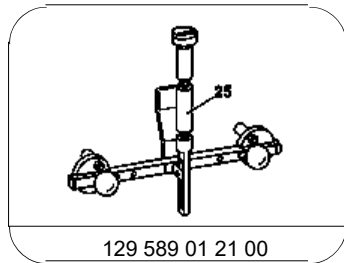
Engine mount wrench set



Guard plate



Record plug



Retainer device