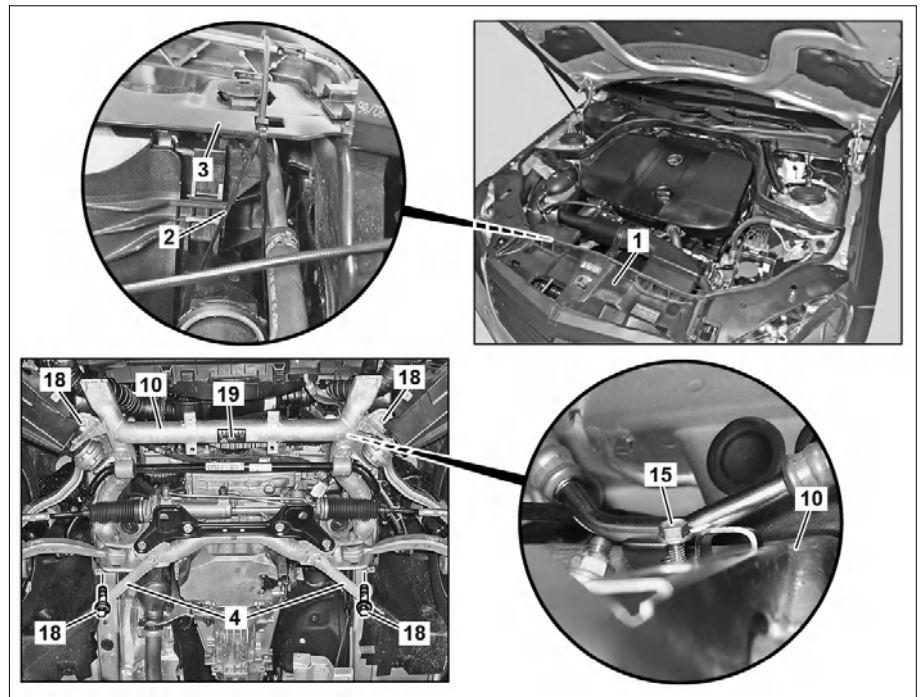


Model 212, 218 (except 218.336/936)

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

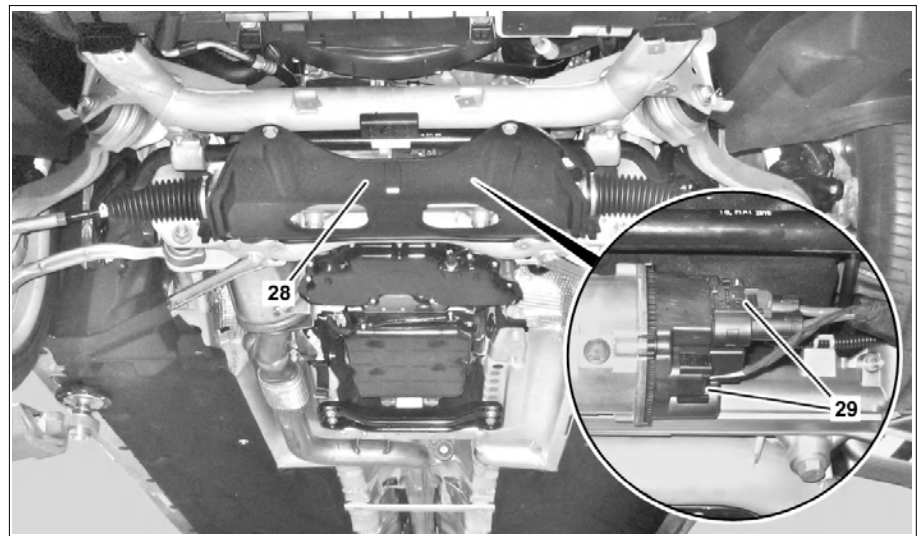
- 1 Cold air intake bridge
- 2 Cable tie
- 3 Radiator cross member
- 4 Diagonal struts
- 10 Front axle carrier
- 15 Bolt (model 212, except code 211 (Direct steering), model 218 (except 218.336/936))
- 18 Screw
- 19 Vehicle jack lift support point



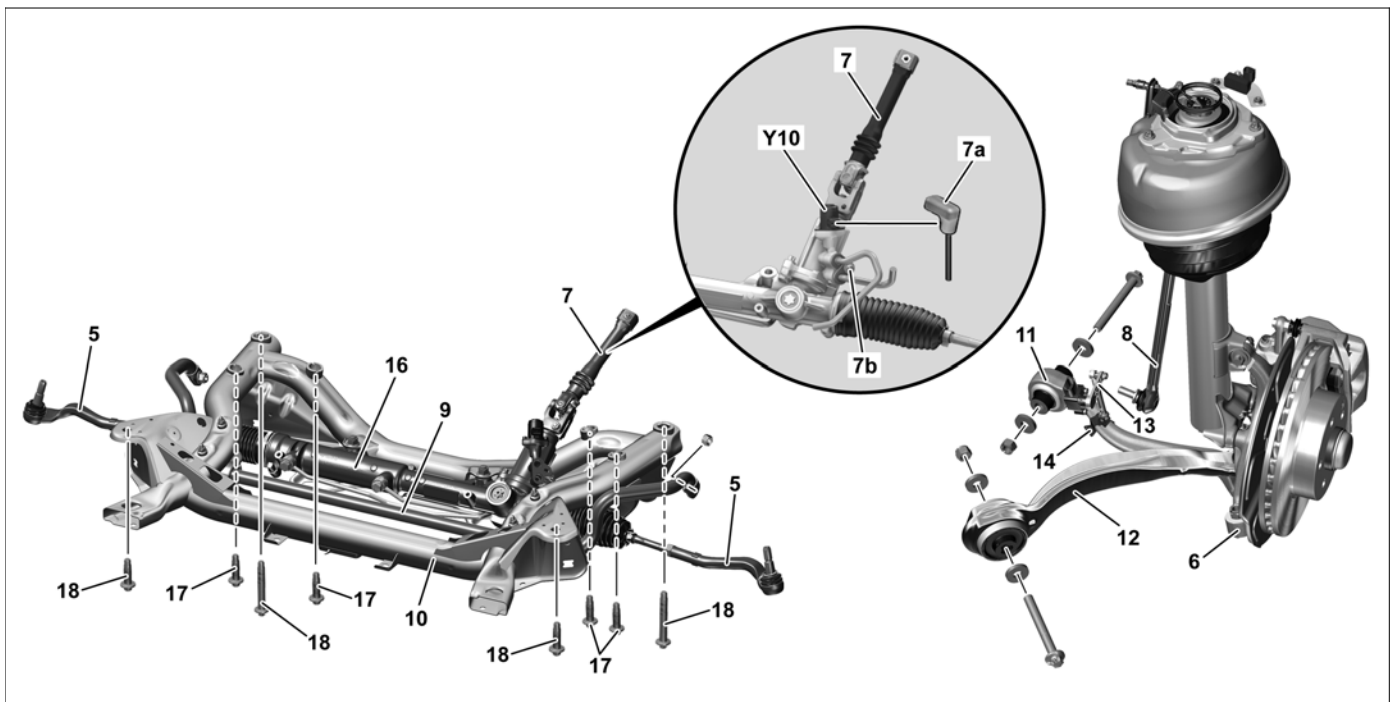
P33.10-2327-06

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

- 28 Mounting plate
- 29 Electrical connectors



P33.10-2359-05



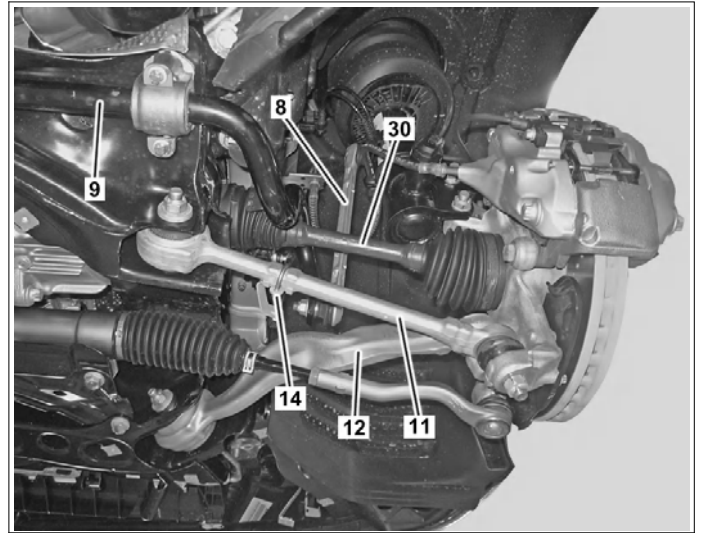
P33.10-2330-09

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 | Tie rod | 9 | Torsion bar | 16 | Steering |
| 6 | Steering knuckle | 10 | Front axle carrier | 17 | Bolts |
| 7 | Steering coupling | 11 | Cross strut | 18 | Screw |
| 7a | Electrical connection (MODEL 212 except CODE 211 (Direct-Steer system)) | 12 | Strut rod | Y10 | Speed-sensitive power steering solenoid valve (MODEL 212 except CODE 211 (Direct-Steer system)) |
| 7b | Bolt (MODEL 212 except CODE 211 (Direct-Steer system)) | 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 headlamps 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 (Dynamic LED headlamps, SAE, right-hand traffic) or with code 641 (Dynamic LED headlamps, left-hand traffic) or with code 642 (Dynamic LED headlamps, right-hand traffic), model 218) (right side of vehicle: Model 212, 218 with code 488 (Steel/air suspension) or with code 489 (AIRmatic))) | | |
| 8 | Torsion bar linkage | 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 headlamps 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 (Dynamic LED headlamps, SAE, right-hand traffic) or with code 641 (Dynamic LED headlamps, left-hand traffic) or with code 642 (Dynamic LED headlamps, right-hand traffic), model 218) (right side of vehicle: Model 212, 218 with code 488 (Steel/air suspension) or with code 489 (AIRmatic))) | | |

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

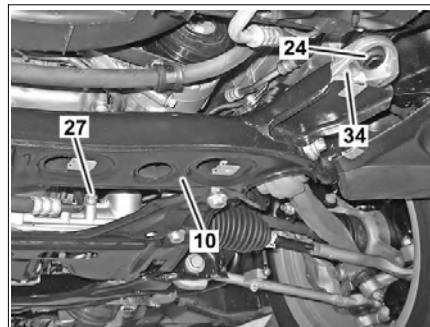
- 8 Torsion bar linkage
- 9 Torsion bar
- 11 Cross strut
- 12 Strut rod
- 14 Bracket ((left side of vehicle: Model 212 with code 488 (Steel/air suspension) or with code 489 (AIRmatic) or with code 615 (Bi-xenon headlamps with active curve lights) or with code 621 (Intelligent Light System (left-hand traffic)) or with code 622 (Intelligent Light System) or with code 640 (Dynamic LED headlamps, SAE, right-hand traffic) or with code 641 (Dynamic LED headlamps, left-hand traffic) or with code 642 (Dynamic LED headlamps, 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
- 24 Rubber support
- 27 Bolt (MODEL 212 except CODE 211 (Direct-Steer system))
- 34 Radiator seat



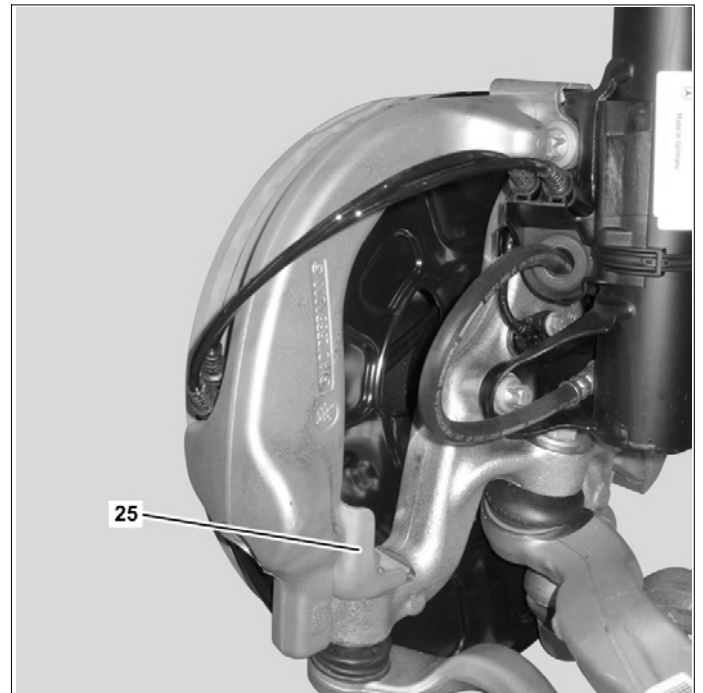
P33.10-2336-01



P33.10-2334-01

MODEL 212.0 as of model year 2015 except CODE M005 (4MATIC) with CODE 460 (Canada version) or CODE 494 (USA version), shown on right side of vehicle

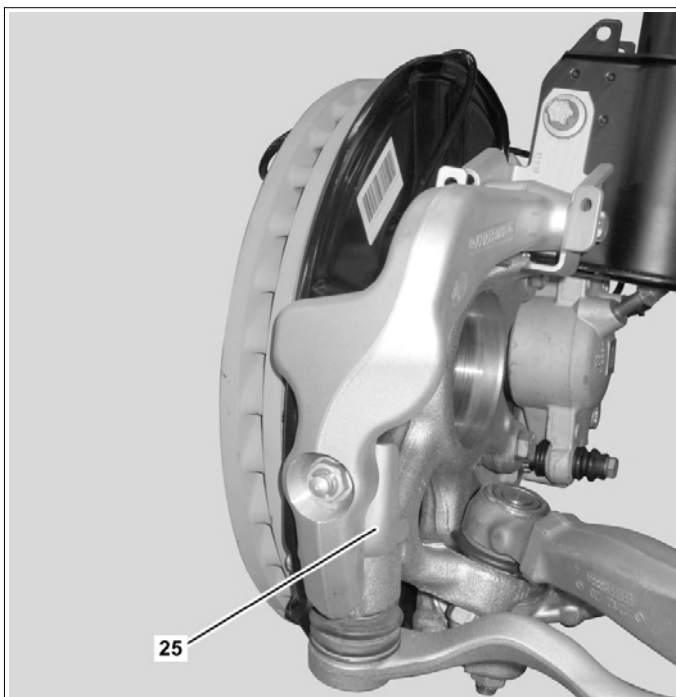
- 25 Bracket



P33.25-2081-12

MODEL 212.0 as of model year 2015 with CODE M005 (4MATIC), with CODE 460 (Canada version) or CODE 494 (USA version), shown on right side of vehicle

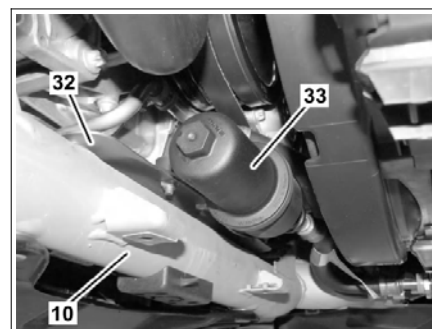
25 Bracket



P33.25-2082-12












MODEL 212, 218 with TRANSMISSION 725




- 10 Front axle carrier
- 32 Bracket
- 33 Oil filter














P33.10-2455-01

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
Danger	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
Topical note	Notes on self-locking nuts and bolts		AH00.00-N-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	Move front wheels to straight-ahead position and secure steering wheel	When the steering coupling (7) has been disassembled the steering wheel may not be turned. Otherwise the clock spring contact will be destroyed. Retainer device	*129589012100
3	Switch off ignition and remove transmitter key or KEYLESS-GO stop/start button		
4	Remove air filter housing	Model 212 with engine 272, 273	AR09.10-P-1150EWS
5	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
6	Fasten radiator on the left and right to radiator cross member (3) using cable ties (2)		
7	Extract oil from power steering expansion reservoir	Model 212 except code 211 (Direct-Steer system) Hand pump	*210589007100

8	Secure vehicle on vehicle lift		AR00.60-P-0100EWS
9	Remove front wheel-and-tire assemblies		AP40.10-P-4050EW
10	Remove bolt of front axle shaft (30) on wheel hub	Model 212, 218 (except 218.336/936) with code M005 (4MATIC)  Screw/bolt, front axle shaft to wheel hub	*BA33.30-P-1001-02H
11.1	Remove lower engine compartment paneling	Model 212 with engine 156, 271, 272, 273, 274 Model 212, 218 with engine 157, 276, 278  MODEL 212 except CODE 211 (Direct-Steer system) Installation: Install engine compartment paneling at bottom only after checking for leaks on the steering (16).	AR61.20-P-1105EW
11.2	Remove bottom section of soundproofing	Model 212, 218 with engine 642, 651  MODEL 212 except CODE 211 (Direct-Steer system) Installation: Install bottom section of soundproofing only after checking for leaks on the steering (16).	AR94.30-P-5300EW
12	Detach bracket (25) from left and right steering knuckle (6)	Model 212.0 as of model year 2015 with code 460 (Canada version) Model 212.0 as of model year 2015 with code 494 (US version)  Nut, bracket for tie rod to inside strut  Self-locking nut, tie rod to steering knuckle	*BA33.25-P-1001-01C *BA46.40-P-1001-01N
13	Remove supporting strut	Model 212.0 as of model year 2015 with code 460 (Canada version) except code M005 (4MATIC) Model 212.0 as of model year 2015 with code 494 (US version) except code M005 (4MATIC) Model 212.0 as of model year 2015 with code 460 (Canada version) with code M005 (4MATIC) Model 212.0 as of model year 2015 with code 494 (US version) with code M005 (4MATIC)	AR33.25-P-0001EW AR33.25-P-0001EWX
14	Detach left and right tie rod (5) from the steering knuckles (6)	 Model 212.0 as of model year 2015 with code 460 (Canada version) Model 212.0 as of model year 2015 with code 494 (US version) Installation: Mount and fasten nut of tie rod (5) on steering knuckle (6) only after installing the bracket (25).  Self-locking nut, tie rod to steering knuckle  Press  Thrust piece  Model 212, 218 (except 218.336/936)(für Spurstangengelenk ohne Edelstahllaufring) Puller  Model 212(für Spurstangengelenk mit Edelstahllaufring) Puller	AR46.40-P-0200-02CW *BA46.40-P-1001-01N *163589034300 *171589003400 *221589003300 *221589053300

15.1	Unclip bracket (14) of front level sensor linkage (13) from left cross strut (11)	<p>Model 212 with code 488 (Steel/air suspension) except code M005 (4MATIC)</p> <p>Model 212 with code 489 (AIRMATIC) except code M005 (4MATIC)</p> <p>Model 212 with code 615 (Bi-xenon headlamps with active light function) except code M005 (4MATIC)</p> <p>Model 212 with code 621 (Intelligent Light System (left-hand traffic)) except code M005 (4MATIC)</p> <p>Model 212 with code 622 (Intelligent Light System) except code M005 (4MATIC)</p> <p>Model 212 with code 640 (SAE dynamic LED headlamps, right-hand traffic) except code M005 (4MATIC)</p> <p>Model 212 with code 641 (Dynamic LED headlamps, left-hand traffic) except code M005 (4MATIC)</p> <p>Model 212 with code 642 (Dynamic LED headlamps, right-hand traffic) except code M005 (4MATIC)</p> <p>Model 218 (except 218.336/936) except code M005 (4MATIC)</p> <p></p> <p>Do not unclip front level sensor linkage (13) from bracket (14). Otherwise, the front level sensor linkage (13) may be damaged.</p>	
15.2	Disassemble mounting bar of bracket (14) from left cross strut (11)	<p>Model 212 with code 488 (Steel/air suspension) with code M005 (4MATIC)</p> <p>Model 212 with code 489 (AIRMATIC) with code M005 (4MATIC)</p> <p>Model 212 with code 615 (Bi-xenon headlamps with active light function) with code M005 (4MATIC)</p> <p>Model 212 with code 621 (Intelligent Light System (left-hand traffic)) with code M005 (4MATIC)</p> <p>Model 212 with code 622 (Intelligent Light System) with code M005 (4MATIC)</p> <p>Model 212 with code 640 (SAE dynamic LED headlamps, right-hand traffic) with code M005 (4MATIC)</p> <p>Model 212 with code 641 (Dynamic LED headlamps, left-hand traffic) with code M005 (4MATIC)</p> <p>Model 212 with code 642 (Dynamic LED headlamps, right-hand traffic) with code M005 (4MATIC)</p> <p>Model 218 (except 218.336/936) with code M005 (4MATIC)</p> <p></p> <p>Do not unclip front level sensor linkage (13) from bracket (14). Otherwise, the front level sensor linkage (13) may be damaged.</p>	
16.1	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></p> <p>Do not unclip front level sensor linkage (13) from bracket (14). Otherwise, the front level sensor linkage (13) may be damaged.</p>	

16.2	Disassemble mounting bar of bracket (14) from right cross strut (11)	Model 212, 218 (except 218.336/936) with code 488 (Steel/air suspension) with code M005 (4MATIC) Model 212, 218 (except 218.336/936) with code 489 (AIRMATIC) with code M005 (4MATIC)  Do not unclip front level sensor linkage (13) from bracket (14). Otherwise, the front level sensor linkage (13) may be damaged.	
17	Detach left and right torsion bar linkage (8) from stabilizer bar (9)	 Counterhold ball stud using internal TORX.  Nut, link rod to stabilizer bar	*BA32.20-P-1001-02P
18	Remove stabilizer bar (9)	Model 212, 218 (except 218.336/936) with code M005 (4MATIC)	AR32.20-P-0300EW
19	Detach left and right cross strut (11) from front axle carrier (10).	 Installation: Only tighten the bolt securing the cross strut (11) to the front axle carrier (10) when the vehicle is in a ready-to-drive condition.	AR33.15-P-0161EW
20	Remove left and right strut rod (12) from front axle carrier (10)	Model 212, 218 (except 218.336/936) except code M005 (4MATIC) Model 212, 218 (except 218.336/936) with code M005 (4MATIC)  Secure axle halves against twisting. Otherwise, the brake hoses may be damaged.  Installation: Only tighten the bolt of the strut rod (12) on front axle carrier (10) when vehicle is in a ready-to-drive condition.	AR33.15-P-0160EW AR33.15-P-0160EWX
21	Remove both front axle shafts (30)	Model 212, 218 (except 218.336/936) with code M005 (4MATIC)	AR33.30-P-0620CWX
22	Remove steering coupling (7) from steering (16)		AR46.10-P-8000EW
23	Remove mounting plate (28)	Model 212 with code 211 (Direct-Steer system) Model 218 (except 218.336/936)  Bolt, mounting plate/steering plate to front axle carrier	*BA33.10-P-1003-01M
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	Detach electrical connections (29) from steering (16) and remove relevant wiring harness from front axle carrier (10)	Model 212 with code 211 (Direct-Steer system) Model 218 (except 218.336/936)	
26	Unscrew bolt (15) from front axle carrier (10)	Model 212 except code 211 (Direct-Steer system) Model 218 (except 218.336/936)	
27	Remove bolt (27) to steering (16)	Model 212 except code 211 (Direct-Steer system)	
28	Remove bolt (7b) and hydraulic lines from steering (16)	Model 212 except code 211 (Direct-Steer system)  Installation: Install new seals.  Bolt, clamp plate, high-pressure line / return line to rack-and-pinion steering control head	*BA46.20-P-1003-01N
29	Use suitable stop plugs to seal the previously-detached hydraulic lines and corresponding connection fitting on the steering (16)	Model 212 except code 211 (Direct-Steer system)  Record plug	*129589009100
30	Remove bolts (17) from engine mounts	 Bolt, front engine mount to front axle carrier	*BA22.10-P-1002-03E
31	Mount engine hoist	Model 212 with engine 156, 157, 271, 272, 273, 274, 276, 278, 642, 651 Model 218 (except 218.336/936) with engine 157, 276, 278, 642, 651	AR33.10-P-0105EW
32	Lift engine a little		

33	Remove rear section of fender liner in left and right front fender		AR88.10-P-1300ELX
34	Release left and right longitudinal member panel in front area until the diagonal struts (4) can be removed		
35	Remove left and right diagonal strut (4)	<p>i Installation: The bolts of the diagonal struts (4) may only be tightened once the vehicle wheels are on the ground.</p> <p>Nm Bolt, diagonal strut mount to front axle carrier/longitudinal member</p> <p>S Engine mount wrench set</p>	<p>*BA61.10-P-1004-01H</p> <p>*001589011600</p>
36	Prop up front axle carrier (10) using lifting platform and lash down using suitable tensioning straps WS 000 588 03 62 00 Lifting platform		WS01.00-P-0091A
37	Remove left and right supports (22)	Nm Fixing of support (strut)	*BA33.10-P-1002-01M
38	Remove bolts (18)	<p>i Installation: Replace screws (18).</p> <p>Nm Bolt, front axle carrier to longitudinal member</p>	*BA33.10-P-1001-01M
39	Lower front axle carrier (10)	i Installation: Check rubber supports (24) for radiator are correctly seated.	
40	Check front axle carrier (10) for damage	If damage is present: ↓ Replace front axle carrier (10).	
41	Remove rubber supports (24) for cooler from front axle carrier (10)	When replacing the front axle carrier (10). If the rubber supports (24) are damaged: ↓ Replace rubber supports (24).	
42	Remove speed nuts from mounting for engine compartment paneling or bottom sections of soundproofing from front axle carrier (10)	When replacing the front axle carrier (10).	
43	Remove vehicle jack lift support point (19) from front axle carrier (10)	When replacing the front axle carrier (10).	
44	Remove stabilizer bar (9)	Model 212, 218 (except 218.336/936) except code M005 (4MATIC) When replacing the front axle carrier (10).	AR32.20-P-0300EW
45	Remove left and right cooler support (34) from front axle carrier (10)	When replacing the front axle carrier (10).	
46	Remove steering (16) from front axle carrier (10)	When replacing the front axle carrier (10). Model 212 except code 211 (Direct-Steer system) Model 212 with code 211 (Direct-Steer system) Model 218 (except 218.336/936)	AR46.20-P-0600EW AR46.20-P-0600EL
47	Install in the reverse order		
48	Fill power steering pump and bleed	Model 212 except code 211 (Direct-Steer system)	AR46.30-P-0010EW
49	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 torsion bar

Number	Designation	Model 212	Model 218
BA32.20-P-1001-02P	Nut, link rod to stabilizer bar Nm	98	98

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-1003-01M	Bolt, mounting plate/steering plate to front axle carrier	M10 Nm	55	55
		M12 Nm	110	-

Nm Supporting strut

Number	Designation		MODEL 212.0 with CODE 460/494
BA33.25-P-1001-01C	Nut, bracket for tie rod to inside strut	M10x1.5 Nm	60

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	Loosen	Loosen
		Stage 3 Nm	120	120
		Stage 4 Δ°	90	90

Nm Steering gear

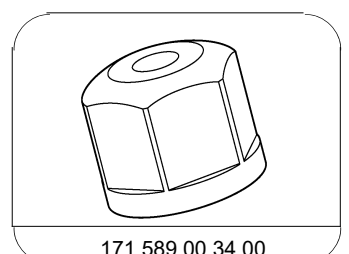
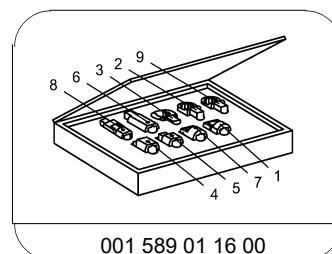
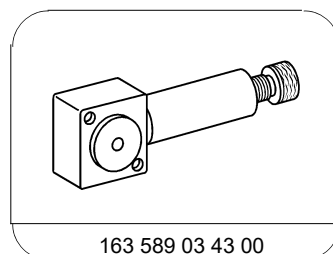
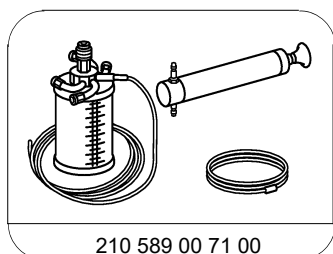
Number	Designation		Model 212 (except 212.067/08/090/091/093/094/097/099/267/28/291/293/294/297/299) except code 211 (Direct-Steer system)	Model 212.067/08/090/091/093/094/097/099/267/28/291/293/294/297/299
BA46.20-P-1003-01N	Bolt, clamp plate, high-pressure line / return line to rack-and-pinion steering control head	Nm	21	21

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

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	Nm	60	60

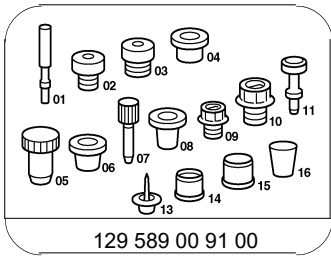


Hand pump

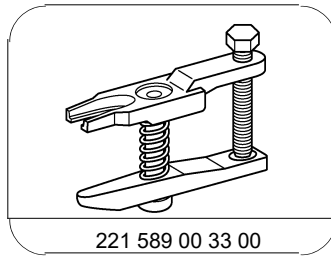
Press

Engine mount wrench set

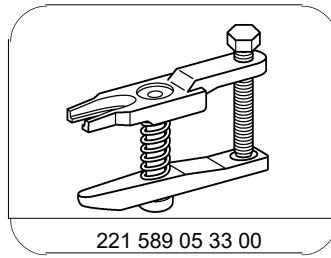
Thrust piece



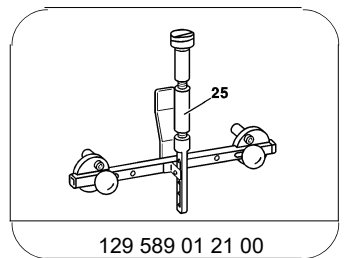
Record plug



Puller



Puller



Retainer device