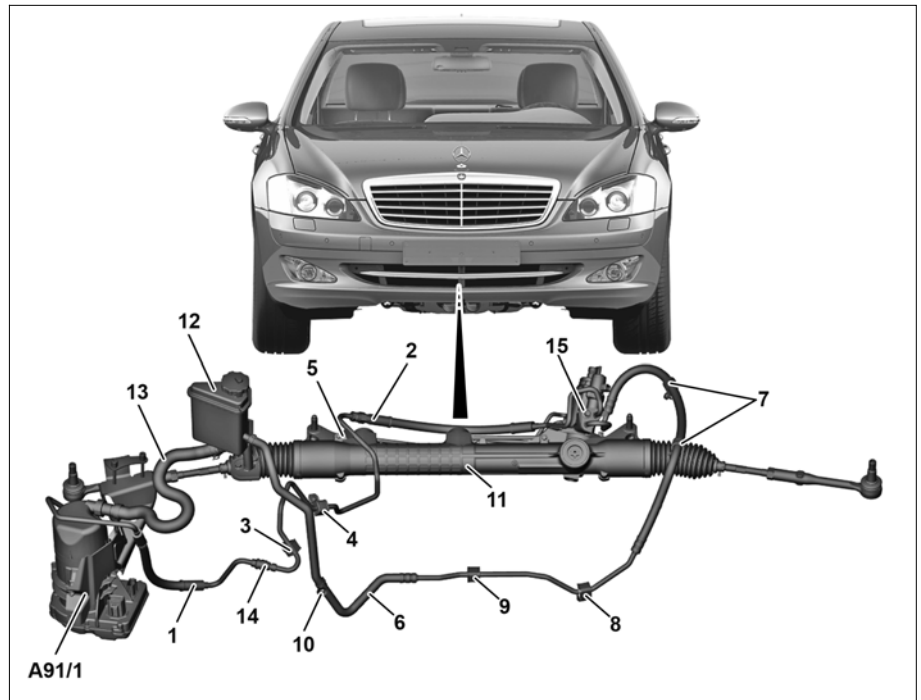


MODEL 216, 221

with electrohydraulic power steering (EHPS)

- 1 Pressure line D1
 2 Pressure line D2
 3, 4, 5 Bracket
 6 Return flow pipe R1
 7, 8, 9 Bracket
 10 Bracket
 11 Rack-and-pinion steering
 12 Power steering expansion reservoir
 13 Feed line Z1
 14 Separation point
 15 Screw

A91/1 Electrohydraulic power steering



P46.25-2157-06

☒ ☒	Remove/install		
	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
	Risk of injury to skin or eyes caused by hydraulic fluid spraying out under high pressure. Risk of poisoning caused by swallowing hydraulic fluid	Depressurize the hydraulic system completely before starting any work on the system. Wear protective clothing and safety glasses.	AS00.00-Z-0013-01A
		ⓘ Before opening the hydraulic system the area surrounding the separation point should be cleaned thoroughly. Even the smallest dirt particles, introduced into the hydraulic components, can lead to malfunctions and a total failure of the hydraulic system.	
1	Open engine hood		
2	Suction off oil from expansion reservoir (12)	☒	*210589007100
3	Remove the front and central sections of the lower engine compartment paneling		AR61.20-P-1105SX
	Remove pressure line D1 (1)		
4	Remove wheelhouse trim in right front fender and release electrohydraulic power steering (A91/1)		AR46.30-P-0500SXH
5	Detach pressure line D1 (1) from electrohydraulic power steering (A91/1)	Nm	*BA46.30-P-1016-01F
6	Detach pressure line D1 (1) from pressure line D2 (2) at connecting point (14) and remove pressure line D1 (1)	ⓘ Slide tool in and with chamfered area into the connecting point (14) up to end stop, to avoid damage to the rubber boot. ⓘ Collect oil which runs out and seal connections immediately. ☒ ☒	*230589013300 *129589009100
	Remove pressure line D2 (2)		
7	Attach engine hoist and raise engine	ⓘ Make sure when lifting out engine that no cables and lines are damaged and that engine does not hit against partition wall.	AR33.10-P-0105SX
8	Remove bolts for engine mount at front axle carrier	Nm Nm	*BA22.10-P-1001-03C *BA22.10-P-1001-03D

9	Remove bolt (15) and pull pressure line D2 (2) and return line R1 (6) out of control head of rack-and-pinion steering (11)	Collect oil which runs out and seal connections immediately. Nm	*129589009100 *BA46.20-P-1003-01M
10	Detach holder (3, 4, 5) of pressure line D2 (2) from rack-and-pinion steering (11) and front axle carrier		
11	Unclip coolant line from lower holder on alternator		
12	Detach pressure line D1 (1) from pressure line D2 (2) at connecting point (14) and remove pressure line D2 (2)	Slide tool in and with chamfered area into the connecting point (14) up to end stop, to avoid damage to the rubber boot. Collect oil which runs out and seal connections immediately. 	*230589013300 *129589009100
Remove return line R1 (6)			
13	Detach heat shield on left longitudinal member from front axle carrier and remove		
14	Detach holder (7, 8, 9, 10) of return line R1 (6) from front axle carrier		
15	Remove bolt (15) and pull pressure line D2 (2) and return line R1 (6) out of control head of rack-and-pinion steering (11)	Collect oil which runs out and seal connections immediately. Nm	*129589009100 *BA46.20-P-1003-01M
16	Detach return line R1 (6) from expansion reservoir (12) and remove return line (6) downwards	Collect oil which runs out and seal connections immediately. 	*129589009100
Remove feed line Z1 (13)			
17	Remove wheelhouse trim in right front fender, electrohydraulic power steering (A91/1) and fold outwards		AR46.30-P-0500SXH
18	Detach feed line Z1 (13) from expansion reservoir (12)		AR46.25-P-1000SXH
19	Detach feed line Z1 (13) from electrohydraulic power steering (A91/1) and remove downwards		
20	Install in the reverse order		
21	Fill power steering pump and bleed		AR46.30-P-0010SX
	Checking		
22	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running Test run engine and check that steering system is not leaking and is functioning correctly	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A

Engine suspension, engine mounts, engine supports

Number	Designation	Model	Model
		216.371/373/374/ 376/377/379	216.386/394
BA22.10-P-1001-03C	Bolt, front engine mount to front axle carrier	Nm 35	28

Engine suspension, engine mounts, engine supports

Number	Designation	Model	Model
		221.02/05/07/ 095/12/15/17/ 195	221.08/094/18/ 194

BA22.10-P-1001-03D	Bolt, front engine mount to front axle carrier	Nm	35	30
--------------------	--	----	----	----

Nm Engine suspension, engine mounts, engine supports

Number	Designation	Model
BA22.10-P-1001-03D	Bolt, front engine mount to front axle carrier	221.003/103
BA22.10-P-1001-03D	Bolt, front engine mount to front axle carrier	Nm 30

Nm Steering gear

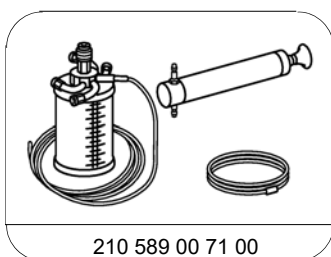
Number	Designation	Model 216 except 4MATIC	Model 216 with 4MATIC
BA46.20-P-1003-01M	Bolt on clamp plate, high-pressure line / return line to rack-and-pinion steering	Nm 20	20

Nm Steering gear

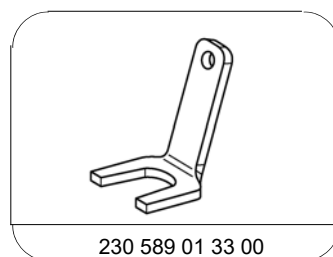
Number	Designation	Model 221 except 4MATIC	Model 221 with 4MATIC
BA46.20-P-1003-01M	Bolt on clamp plate, high-pressure line / return line to rack-and-pinion steering	Nm 20	20

Nm Power steering pump

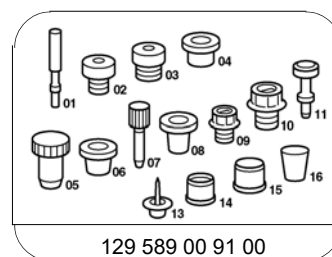
Number	Designation	Model 216 without code 487	Model 221 without code 487
BA46.30-P-1016-01F	Bolt, high-pressure line to power steering pump (EHPS)	Nm 18	18



Hand pump



Detaching tool



Set of stop plugs