

Document title Remove/install power steering pump

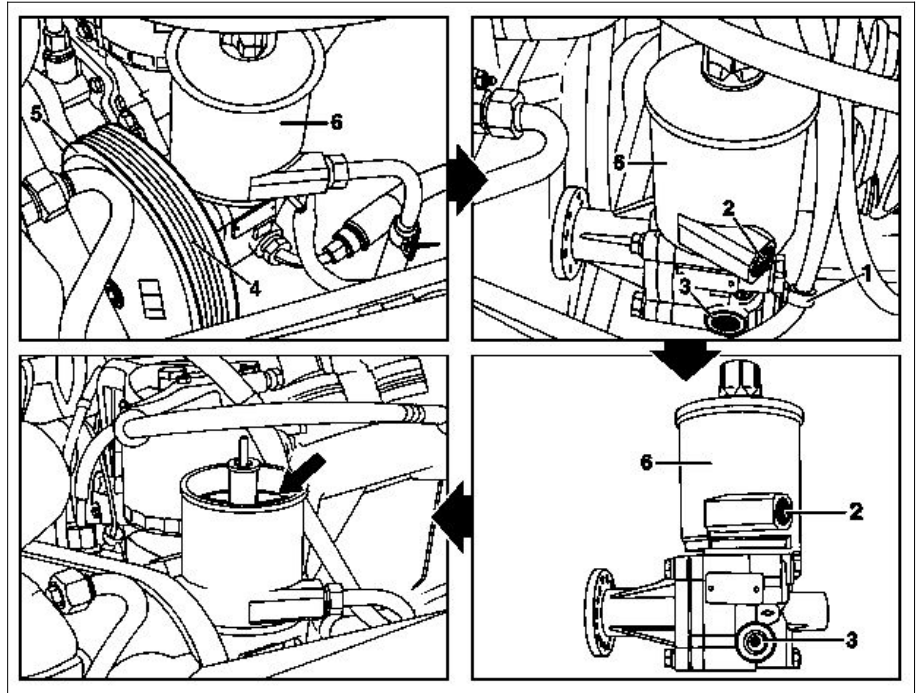
Document number ar4630p0500h

Model 463 with engine 102, 103, 104, 112, 113, 117, 157, 273, 279, 602, 603, 612
up to model year 2019
(except 463.228 with engine 117.965), with VT 161 or VT 167 or ZL 167 or LF 67/14 or ZF 67/14

Modification notes










29.01.2020 Document completely revised.

- 1 Bracket
- 2 Return connection
- 3 Pressure fitting
- 4 Poly-V-belt
- 5 Belt pulley
- 6 Power steering pump



P46.20-2103-06

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 avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
	Remove/install		
1	Remove cap of power-steering pump (6).		
2	Remove the poly-V-belt(4).	Model 463 with engine 102, 103, 104, 112, 113, 117, 157, 273, 279, 602, 603, 612 up to model year 2019(except 463.228 with engine 117.965), with VT 161 or VT 167 or ZL 167 or LF 67/14 or ZF 67/14 Model 463 with engine 279 up to model year 2019 Model 463.270/271 with engine 113.993 up to model year 2019 Model 463.206/240/241/247/248/249/254 with engine 113.962 up to model year 2019 Model 463.209/232/233/244/245/250 with engine 112.945 up to model year 2019 Model 463.243/246 with engine 113.982 up to model year 2019	AR13.22-P-1202MUD AR13.22-P-1202GX AR13.22-P-1202B

6	Remove power-steering pump (6).	<p> Engine 102 in model 463.200/204/220/221/224/225/235 up to model year 2019 Engine 103 in model 463.227/228/238 up to model year 2019 Engine 104 in model 463.208/230 up to model year 2019 Engine 112 in model 463.209/232/233/244/245 up to model year 2019 Engine 113 in model 463.206/240/241/246/247/248/249/270/271 up to model year 2019 Engine 117 in model 463.228 up to model year 2019 Engine 273 in model 463.202/222/236/242 up to model year 2019 Engine 279 in model 463.274/275 up to model year 2019 Engine 602 in model 463.324/325 up to model year 2019 Engine 603 in model 463.320/321/327/328/338 up to model year 2019 Engine 612 in model 463.322/323 up to model year 2019 Screw/bolt, power steering pump to carrier</p> <p> Engine 102 in model 463.200/204/220/221/224/225/235 up to model year 2019 Engine 103 in model 463.227/228/238 up to model year 2019 Engine 104 in model 463.208/230 up to model year 2019 Engine 112 in model 463.209/232/233/244/245 up to model year 2019 Engine 113 in model 463.206/240/241/243/247/248/249/270/271 up to model year 2019 Engine 117 in model 463.228 up to model year 2019 Engine 273 in model 463.202/222/236/242 up to model year 2019 Engine 279 in model 463.274/275 up to model year 2019 Engine 602 in model 463.324/325 up to model year 2019 Engine 603 in model 463.320/321/327/328/338 up to model year 2019 Self-tapping screw, power steering pump to timing case</p>	<p>*BA46.30-P-1003-01B</p> <p>*BA46.30-P-1002-01B</p>
7	Install in the reverse order.		
8	<p>Pour steering gear oil into power steering expansion reservoir and correct.</p> <p> Specified gear oils (cars, cross-country vehicles) - survey</p>	<p>Model 463 with engine 102, 103, 104, 112, 113, 117, 157, 273, 279, 602, 603, 612 up to model year 2019 (except 463.228 with engine 117.965), with VT 161 or VT 167 or ZL 167 or LF 67/14 or ZF 67/14</p> <p>Model 463 with engine 157, 273, 279 as of model year 2010 up to model year 2019</p> <p> Power steering  Power steering pump</p>	<p>BB00.40-P-0231-01A</p> <p>AR46.20-P-0500-10F</p> <p>*BF46.20-P-1001-01B</p> <p>*BF46.20-P-1002-01B</p>
<p> Warning</p> <p>9</p> <p></p>	<p>Risk of accident from vehicle starting off by itself when engine running. Risk of injury (bruises and burns) resulting from working on the engine while it is being started or when it is running.</p> <p>Bleed steering and check for leak tightness.</p>	<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.</p> <p> To bleed, allow engine to idle and turn steering to left and right several times. When doing so, the steering gear oil must be refilled, if necessary.</p>	<p>AS00.00-Z-0005-01A</p> <p>AP46.00-P-4611G</p>
10	Attach cap of power-steering pump (6).	<p> Ensure gasket is correctly installed. Replace seal.</p>	

Number	Designation			Model 463.200/204/206/207 /208/209/21/220/221/ 224/225/227/228/230 /232/233/235/238/24 0/241/243/244/245/2 46/247/248/249/25/2 70/271/274/275 Model 463.30/320/321/324/ 325/327/328/33/34	Model 463.202/222/236/23 7/242
BA46.30-P-1001-01B	High-pressure expansion hose to power steering pump	M14x1.5	Nm	30	30
		M16x1.5	Nm	40	40

Nm Power steering pump

Number	Designation			Model 463.200/204/206/207 /208/209/21/220/221/ 224/225/227/228/230 /232/233/235/238/24 0/241/243/244/245/2 46/247/248/249/25/2 70/271/274/275 Model 463.30/320/321/324/ 325/327/328/33/34	Model 463.202/222/236/23 7/242
BA46.30-P-1002-01B	Self-tapping screw, power steering pump to timing case	Thread not pre-tapped	Nm	35	35
		Thread pre-tapped	Nm	20	20

Nm Power steering pump

Number	Designation			Model 461.302/304/305/331 /332/333/334/339/34 0/342/343/344/345/3 46/392 Model 463.322/323	Model 463.200/204/206/20 7/208/209/21/220/22 1/224/225/227/228/2 30/232/233/235/238/ 240/241/243/244/24 5/246/247/248/249/2 5/270/271/274/275 Model 463.30/320/321/324/ 325/327/328/33/34
BA46.30-P-1003-01B	Screw/bolt, power steering pump to carrier		Nm	20	20

Nm Power steering pump

Number	Designation			Model 463.202/222/236/23 7/242
BA46.30-P-1003-01B	Screw/bolt, power steering pump to carrier		Nm	20

Nm Power steering pump

Number	Designation			Model 461.302/304/305/331 /332/333/334/339/34 0/342/343/344/345/3 46/392 Model 463.322/323	Model 463.200/204/206/20 7/208/209/21/220/22 1/224/225/227/228/2 30/232/233/235/238/ 240/241/243/244/24 5/246/247/248/249/2 5/270/271/274/275 Model 463.30/320/321/324/ 325/327/328/33/34
BA46.30-P-1004-01B	Screw/bolt at belt pulley		Nm	22	20

Nm Power steering pump

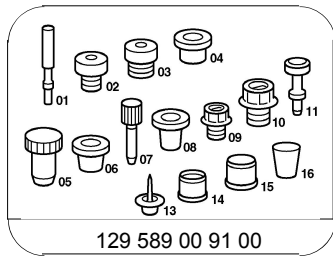
Number	Designation	Model
BA46.30-P-1004-01B	Screw/bolt at belt pulley	463.202/222/236/237/242 Nm 20

Filling capacities for steering gear

Number	Designation	Model 461, 463
BF46.20-P-1001-01B	Power steering	1,0
	Filling capacity for MB power steering fluid Sheet	BB00.40-P-0236-03 A

Filling capacities for steering gear

Number	Designation	Model 461, 463
BF46.20-P-1002-01B	Power steering pump	0,38
	Filling capacity for MB power steering fluid Sheet	BB00.40-P-0236-03 A



Record plug