

AR46.30-P-0010B	Fill power steering pump and bleed	22.2.95
-----------------	------------------------------------	---------

MODEL 163










P46.30-2188-01





**Shown on engine
112**

Model 163
2 Power steering
expansion reservoir
47 Air intake hose

	Remove		
Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
Danger!	Risk of injury to skin or eyes from hydraulic fluid spraying out under pressure. Risk of poisoning from 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
Danger!	Risk of injury caused by fingers being jammed or pinched when removing, installing or aligning hoods, doors, trunk lid/rear-end door or sliding roof.	When moving components, ensure that no body parts or limbs are within the operating range of moving parts.	AS00.00-Z-0011-01A
	Do not start engine until bleeding! Never let the power steering pump ingest air	Air ingestion causes irreparable damage to the power steering pump and can cause an air cushion to form	

After replacement of parts, **DO NOT START ENG.** Raise front wheels off the ground and follow instructions.

		in the steering gear which causes noise. This only dissipates after a long journey (> 50 km).	
1	Raise vehicle until wheels are clear of the ground using lifting platform		
2	Open engine hood		
	Fill		
3	Fill expansion reservoir (2) of power steering up to approx. 10 mm below upper edge of reservoir with MB steering gear oil	 Disconnect air intake hose (47) if necessary.	Use M/B Trans oil, part #001 989 21 0310
		 Add MB steering gear oil continuously, until the fluid level remains constant.	
		Model 163	
			BF46.20-P-1001-01A
4 Asst. necessary to watch the reservoir	Turn steering wheel slowly from lock to lock until no more bubbles can be seen in the expansion reservoir (2)	 Repeat turning the steering from lock to lock several times (up to 30 times). During this process MB steering gear oil must be added to the expansion reservoir by an assistant.	After bubbles are expelled do not mistake the waving of fluid as being bubbles.
	Bleed		
 Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns when working in engine during starting procedure	Secure vehicle to prevent it from moving. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A
5	Start engine without moving the steering	 During this process an assistant must observe the steering gear oil level in the expansion reservoir (2) and MB steering gear oil must be added if necessary.	
6	With the engine running, turn the steering wheel slowly from lock to lock	 Repeat the process until the steering gear oil level remains	

	several times, topping up the expansion reservoir (2) with MB steering gear oil	constant in the expansion reservoir and no more bubbles can be seen.	
	Check		
7	Check oil level in expansion reservoir (2) and correct if necessary		
		Model 163	AP46.00-P-4611BB
8	Carry out engine test run and check steering system for leaks and proper operation	 If leaks are found, ascertain the cause and rectify as a separate repair order.	
	Install		
9	Close engine hood		
10	Lower vehicle		

 **Steering gear**

Number	Designation		Model 163
BF46.20-P-1001-01A	Power steering	Filling capacity	Liters ≈ 1.2
		MB steering gear oil	Sheet BB00.40-P-0236-03A