

Illustrated on model 164.175

1 Expansion reservoir of power steering pump





P46.30-2184-11

Modification notes

7.10.09	Model series table added	Step 2	*BR00.45-Z-1076-06A
---------	--------------------------	--------	---------------------

	Fill		
⚠ Danger!	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
⚠ Danger!	Risk of injury caused by fingers being pinched or crushed when removing, installing or aligning hoods, doors, trunk lids, liftgates or sliding roof	Keep body parts and limbs well clear of moving parts.	AS00.00-Z-0011-01A
⚠ Danger!	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
1	Lift/jack up vehicle		AR00.60-P-1000GZ
2	Fill expansion reservoir (1) with MB steering gear oil	<p>⚠ Do not start the engine!</p> <p>If the engine is started there is a risk of air entering the hydraulic steering system, which is then extremely difficult to remove.</p> <p>i Fill the expansion reservoir (1) of the power steering to approx. 10 mm below the upper edge of the reservoir with MB steering gear oil.</p> <p>i Refill with MB-steering gear oil continuously until the oil level remains constant.</p> <p>i With electrohydraulic P/S (EHPS).</p>	<p>*BF46.20-P-1001-01C</p> <p>*BR00.45-Z-1076-06A</p>
	Bleeding		
3	Turn steering wheel from steering stop to steering stop	<p>⚠ Do not start the engine!</p> <p>If the engine is started there is a risk of air entering the hydraulic steering system, which is then extremely difficult to remove.</p> <p>i Turn steering wheel slowly from steering stop to steering stop until bubbles are no longer visible in the expansion reservoir (1).</p> <p>i Repeat turning the steering from stop to stop several times (up to 30 times). During this process, MB steering gear oil must be poured into the expansion reservoir (1) by a second person.</p>	
⚠ Danger!	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	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

4	Start engine without moving the steering	<p>i Allow engine to run for approx. 1 min at idle speed.</p> <p>i During this process, a second person must observe the oil level in the expansion reservoir (1) and add MB steering gear oil if necessary.</p>	
5	Turn steering wheel from steering stop to steering stop	<p>i When the engine is running turn the steering wheel slowly several times from steering stop to steering stop, meanwhile adding MB steering gear oil in expansion reservoir (1).</p> <p>i Repeat the procedure until the oil level in the expansion reservoir (1) remains constant and bubbles are no longer visible.</p>	
	Checking		
6	Check oil level in the expansion reservoir (1) and fill up to the maximum fill level	i The oil level in the expansion reservoir (1) must always be filled up to the maximum.	AP46.00-P-4611GZ
 AP			
7	Check steering system when engine is running for signs of leaks and proper function	i In the event of leakage, find and eliminate cause.	
8	Lower vehicle		

Steering gear

Number	Designation	Model
		164
BF46.20-P-1001-01C	Power steering	Filling capacity Liters ≈ 1,2
		MB steering gear oil Sheet BB00.40-P-0236-03A

Repair materials

Number	Designation	Order number
BR00.45-Z-1076-06A	Hydraulic fluid, Pentosin CHF 11S	A 001 989 24 03