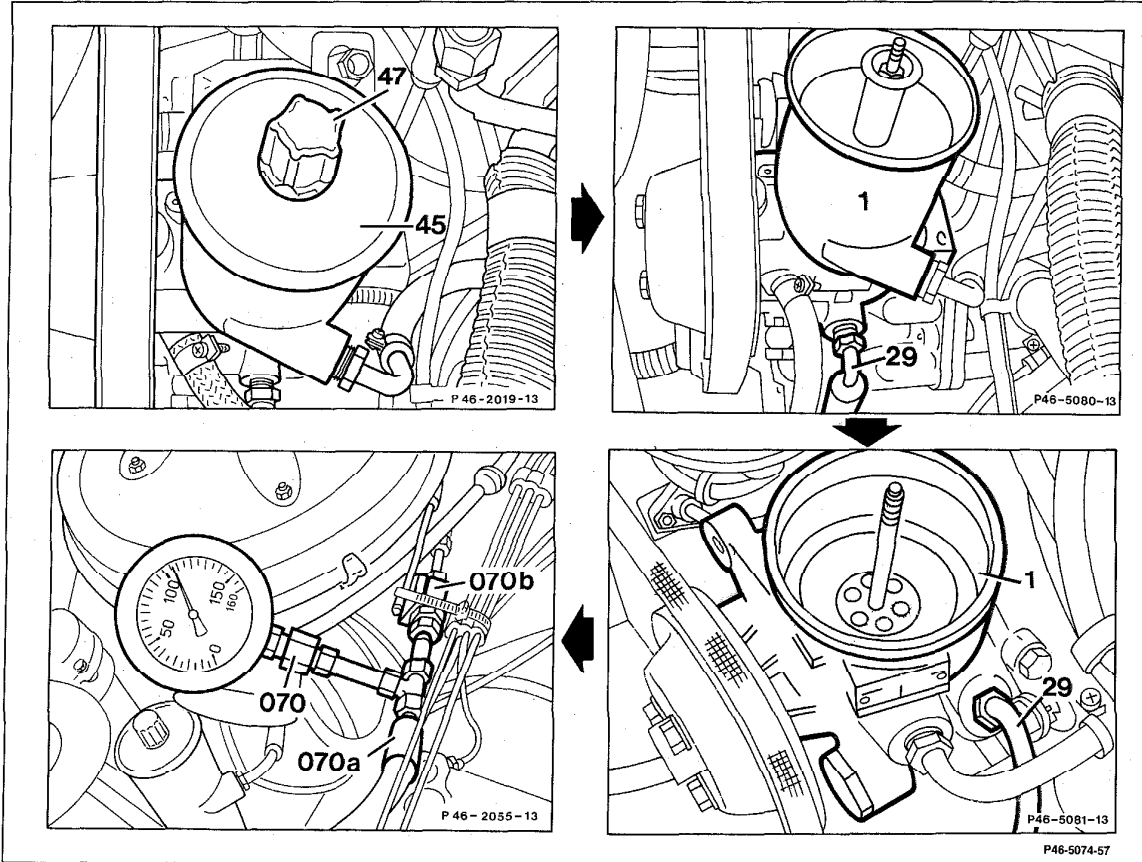


46-130 Checking power steering pump oil pressure

A. Servo system



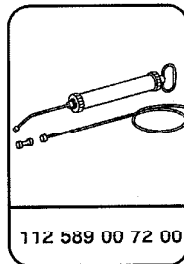
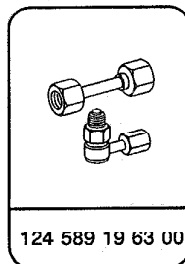
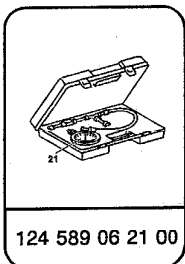
P46-5074-57

- | | |
|---|--|
| Cover (45) with bleed cap (47) | screw off, screw on. Extract oil with extraction syringe 112 589 00 72 00. |
| High-pressure expansion hose (29) | On power steering pump (1), screw off, screw on,
VT 49, ZL 49 45-50 Nm,
VT 161, ZL 161 25-30 Nm. |
| Tester (070) 124 589 06 21 00 | for pressure test, connect, use connection fitting (070a, 070b) 124 589 19 63 00. Fill supply reservoir with power steering fluid 000 989 88 03. |

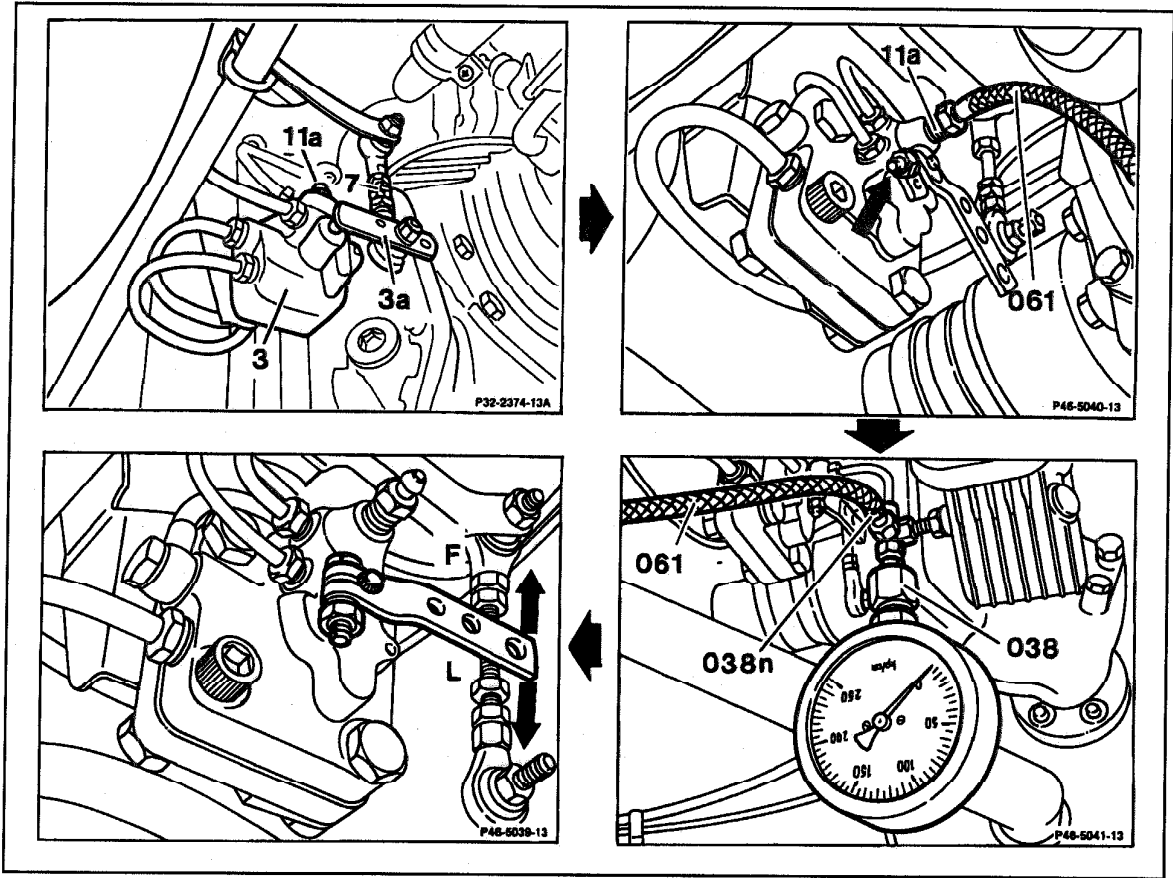
46-130 Checking power steering pump oil pressure

- Servo system check. For this purpose allow engine to idle and perform following tests:
- Measure circulation pressure with throttle valve (070b) open, max. 5 bar.** Do not move steering wheel when measuring, since this would activate the control valve and the pressure would increase.
 - Close throttle valve (070b) on tester and measure maximum pressure** of power steering pump, 82 ± 5 bar, while maintaining an engine speed of approx. 1000 rpm. The maximum pressure can be measured by turning the steering wheel to the left hand or right hand lock. **CAUTION!, do not test for too long**, otherwise oil temperature can increase beyond permissible limit resulting in damage to power steering pump.
 - Replace power steering pump if it does not achieve specified pressures.
- Power steering pump (1) fill and bleed after pressure test or replacement (46-715).

Special tools



B. Checking tandem pump leveling system



P46-5065-57

⚠ CAUTION!

Never loosen clamping screw (arrow) for fastening lever to control shaft on level control (3).

It is not possible to retighten the lever on the control shaft later.

screw off of lever (3a).

attach, slowly open bleed screw (11a) and release pressure. Catch oil in clean container, then screw out bleed screw (11a).

- Connecting rod (7)
- Oil drain hose (061)

46-130 Checking power steering pump oil pressure

Pressure tester (038) 124 589 14 21 00 connect for testing level control pressure.
Lever (3a) push to position "F". Allow engine to idle at speed of 800-1000 rpm and measure pump pressure, min. 130 bar.
If minimum pressure is not reached, replace tandem pump (46-710).

Note

It is sufficient to attain the minimum pressures to evaluate the condition of the tandem pump as well as the safety valve in the level control. Test for short time only due to high pressures in system to avoid damage to tandem pump, spring struts and rebound stops.

Oil drain hose (061) attach to bleed screw (038n) following test and release pressure in system.
Pressure tester (038) disconnect, install bleed screw (11a) and tighten.

CAUTION!

Use clean oil only.

Pressure oil system fill, fill oil drained previously back into oil reservoir for level control in engine compartment with filling funnel 126 589 12 63 00. Allow engine to run at medium speed while holding lever for level control in position "F" for approx. 30 s Job No. 32-630.
Connecting rod (7) screw on.
Oil level in level control oil reservoir check, add oil as required.

46-130 Checking power steering pump oil pressure

Type of oil

Hydraulic oil

refer to Factory Approved Service Products list 1)

1.0 l can

Part no. 000 989 91 03

1) Supplied with owner's literature or available through your local authorized Mercedes-Benz Dealer.

Special tools

