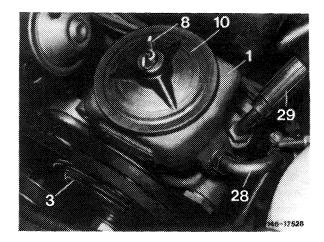
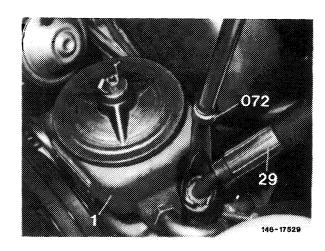
Data		
Max. speed of power steering pump		7000/min
Circulation pressure		max. 5 bar gauge pressure
Pressure relief valve opens at		65 ± 5 bar gauge pressure
Oil grades/filling c	apacity and oil level checkup	
Automatic transmission fluid (ATF) or manual transmission oil		refer to specifications for service products page 236.2 refer to specifications for service products page 237
Filling capacity		approx. 1.4 litres
Oil level checkup	With the oil at operating temperature (approx. 80 °C) the oil level in supply tank should reac up to cast-in mark (approx. 20 mm below edge of tank). With the engine cold and at ambient temperature, oil level 6–8 mm below mark. For filling up, use perfectly clean oil only, since even the smallest particles of dirt may cause trouble in hydraulic system.	
Tightening torque		Nm
Cap screw on HP expanding hose		45–50
Special tool		
Tester		115 589 13 21 00
Conventional tool		
Open double-box wrench 17 x 19		e.g. made by Hazet, D-5630 Remscheid order no. 612

## Checkup

1 Remove closing cover and draw off oil with a syringe, since otherwise the oil will run out when unscrewing HP expanding hose.

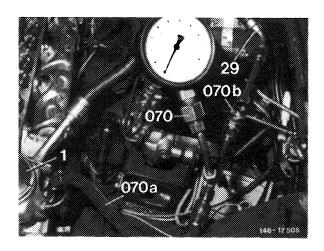


2 Unscrew high-pressure expanding hose (29) on power steering pump by means of open box-end wrench (072).



- 3 Connect high-pressure expanding hose (070a) of tester, as well as high-pressure expanding hose (29), to tester (070), fill supply tank with specified oil.
- 4 Run engine at idle speed and complete the following measurements:
- a) with throttle valve open, measure circulation pressure, which should not exceed 5 bar gauge pressure (5 atü). Do not move steering wheel when measuring, since this would activate the control valve and the pressure would increase.
- b) Connect throttle valve to tester and measure max. pressure of power steering pump, while accelerating engine to maintain a speed of approx. 1000/min.

The max. pressure can also be measured by turning the steering wheel to lefthand and righthand lock. Caution, do not spend too much time for measuring, since this would cause the oil temperature to rise to non—permissible limit, which in turn would result in damage to power steering pump.



- c) If the pump does not attain the specified pressure, check volume control valve and pressure relief valve and replace, if required.
- 5 Disconnect high-pressure expanding hose on tester, remove tester, connect high-pressure expanding hose to power steering pump. Tighten coupling nut to 45–50 Nm.
- 6 Fill supply tank up to mark with oil. Add oil with the engine running.
- 7 Check servo system for leaks.

