

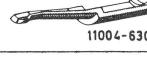
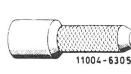
Oil Grades/Capacity and Oil Level Check

Automatic transmission fluid (ATF) or transmission oil	refer to „Specifications for Service Products“ refer to „Specifications for Service Products“	Page 236.1, 236.2 Page 237
Capacity		approx. 1.5 lits
Oil level check	With the engine running, the oil level in the supply tank should extend up to the punched or cast mark (approx. 12 mm below rim of tank). Be sure to use perfectly clean oil only, since even minimum particles of dirt may cause trouble in hydraulic system.	

Tightening Torques

		Nm	(kpm)
High-pressure expanding hose on power steering pump		45–50	(4.5–5)
Connecting pipe for return hose		35–45	(3.5–4.5)

Special Tools

Puller for pulley		108 589 02 33 00
Puller for radial sealing ring (basic unit)		116 589 24 33 00
Clamping jaw 33 mm dia. for VT 27		116 589 06 34 00
Clamping jaw 30 mm dia. for VT 49		116 589 05 34 00
Punch 33 mm dia. for VT 27		116 589 14 15 00
Punch 30 mm dia. for VT 49		116 589 13 15 00

Removal

- 1 Remove power steering pump.
- 2 Remove woodruff key from drive shaft.
- 3 Screw guide sleeve (050) to drive shaft (Fig. 1).
- 4 Measure outlet dimension of drive shaft to pump flange on power steering pump VT 49.

Note: This dimension of the drive shaft must be measured, because the drive shaft may not be pushed into pump housing when the radial sealing ring is pulled off. To check, measure again after removing sealing ring. Note that both measuring values must be the same. If the dimension is higher when measuring the second time, disassemble power steering pump and recondition.

- 5 Slacken hex. screw of puller (050) and slip tool on drive shaft, while penetrating sealing lips of radial sealing ring (13) with claws (051) (Fig. 2 and 3).

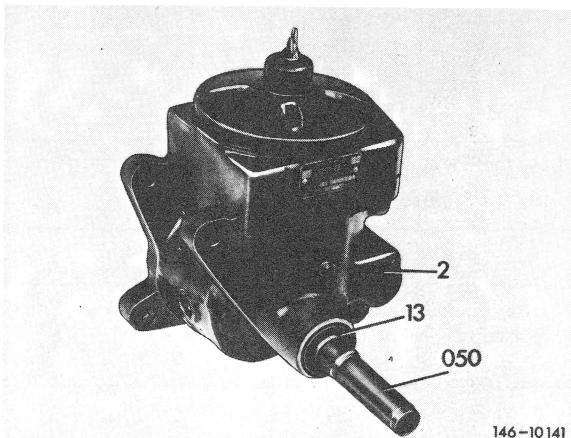


Fig. 1

2 Pump housing
13 Radial sealing ring

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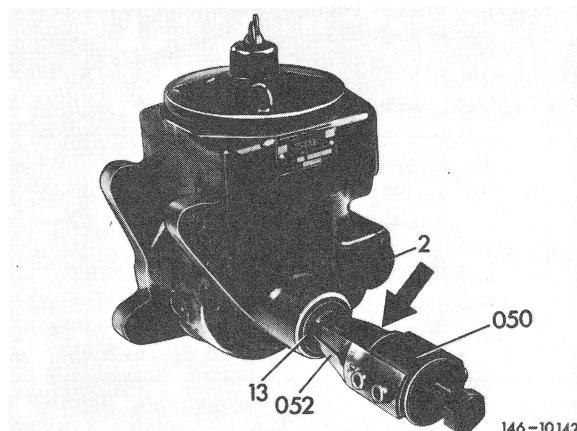


Fig. 3

Power steering pump VT 49
2 Pump housing
13 Radial sealing ring
050 Guide sleeve
052 Clamping claw (30 mm dia.)

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Note: The power steering pumps require the following clamping claws:

VT 27 = 33 mm dia.
VT 49 = 30 mm dia.

Attach respective claws to puller. The claw dia. is punched-in (Fig. 2 and 3).

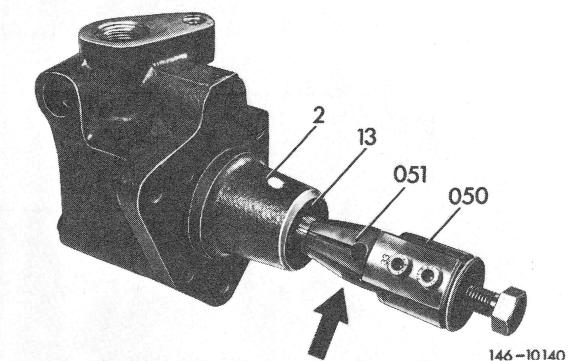
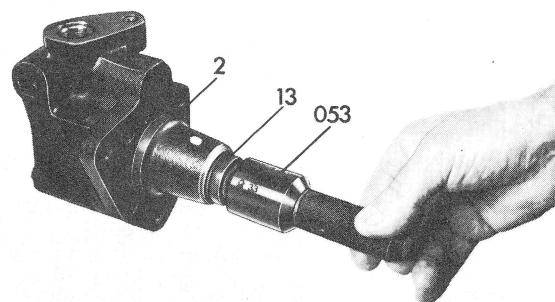


Fig. 2

Power steering pump VT 27

2 Pump housing
13 Radial sealing ring
050 Puller
051 Clamping claw (33 mm dia.)

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Fig. 4

2 Pump housing
13 Radial sealing ring
053 Punch

6 Turn clamping cone (arrow) of puller (050) clockwise against stop and pull sealing ring out of housing (Fig. 2 and 3).

7 Measure end play of drive shaft on power steering pump VT 49 (refer to Note following item 4).

8 Slip radial sealing ring (13) on guide sleeve (050) of drive shaft and knock into housing with respective punch (053) (Fig. 1 and 4).

Note: For power steering pump VT 27, use punch with 33 mm dia., and for VT 49 pump, punch with 30 mm dia.

9 Insert woodruff key into drive shaft.

10 Install power steering pump.