

43–635 Renewing rocker arm of piston vacuum pump

Tightening torque

Nm

Closing plug for rocker arm shaft

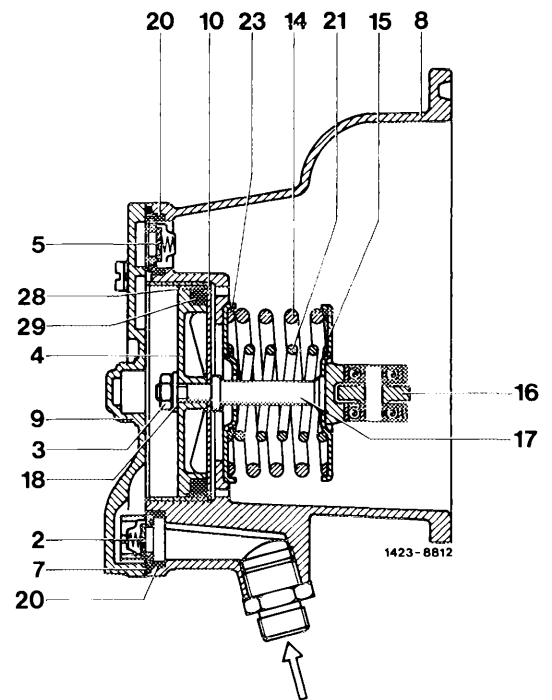
8–10

Self-made tool

Clamping device

refer to Fig. item 3, note

- 2 Disc valve (suction side)
- 3 Self-locking hex. nut
- 4 Piston
- 5 Disc valve (pressure side)
- 7 Gasket
- 8 Pump housing
- 9 Pump cover
- 10 Piston disc
- 14 Outer compression spring
- 15 Lower spring retainer
- 16 Roller
- 17 Piston rod
- 18 Washer
- 20 Sealing ring
- 21 Inner compression spring
- 23 Upper spring retainer
- 28 Piston ring
- 29 O-ring

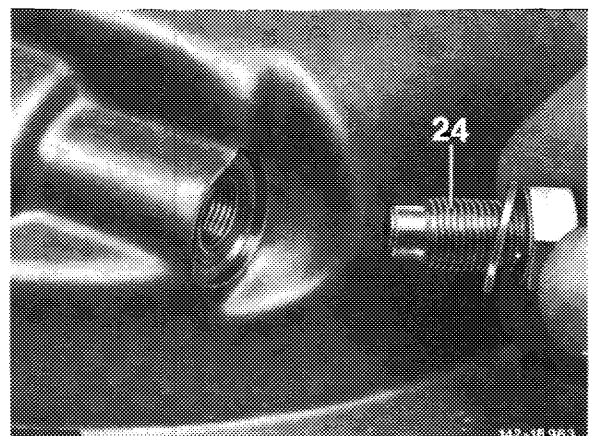


Note

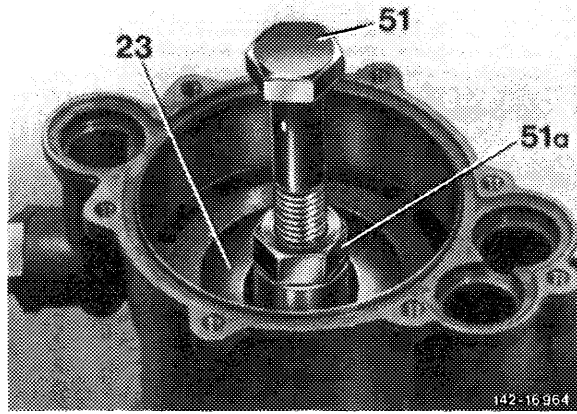
Renewing rocker arm requires repair kit, part no. 000 586 18 23.

Disassembly

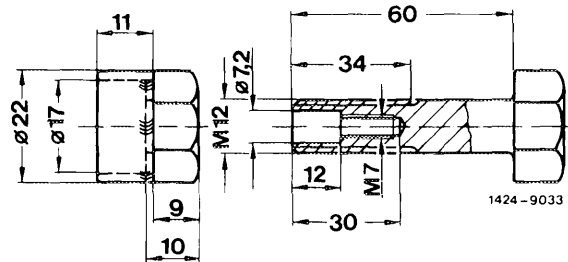
- 1 Remove piston (42–628).
- 2 Unscrew closing plug (24) for rocker arm shaft.



3 Screw clamping device (51) on piston rod. Turn slotted bushing (51 a) downwards until spring assembly is compressed to the extent that the pump can be taken from assembly plate.

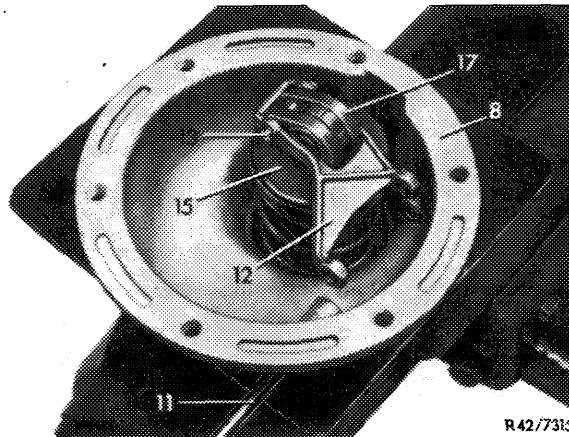


Note: The clamping device (51) is self-made acc. to specified dimensions.

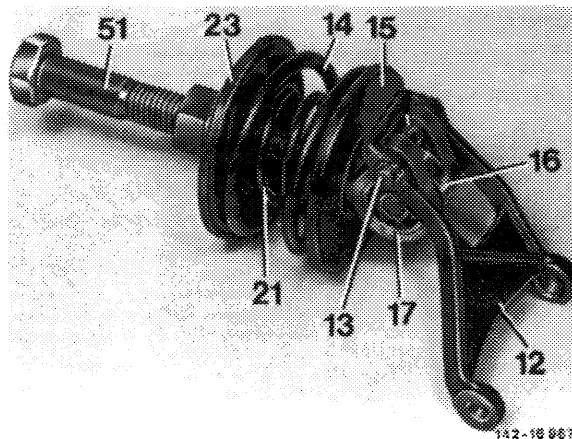


4 Pull shaft (11) out of pump housing by means of suitable pliers.

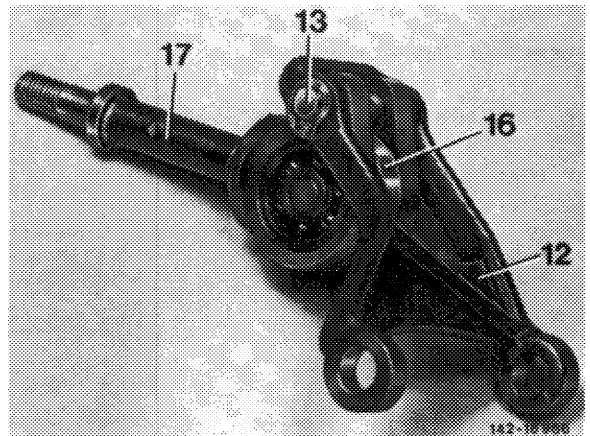
5 Completely remove piston rod, spring assembly, rocker arm and clamping device from pump housing.



6 Unscrew clamping device (51) from piston rod (17), then remove spring retainer and springs.

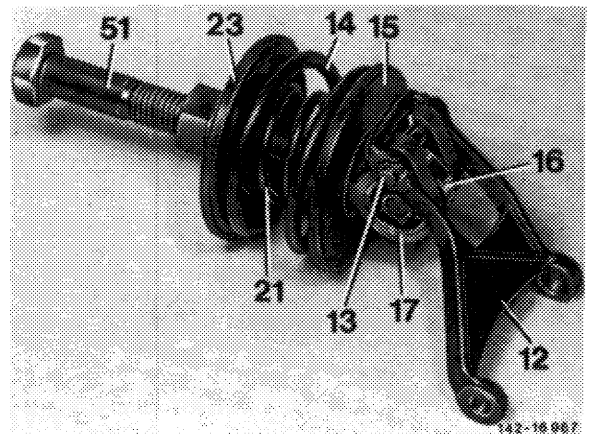


Note: Rocker arm with piston rod is available as a complete spare part only. For this reason, disassembly is not required.

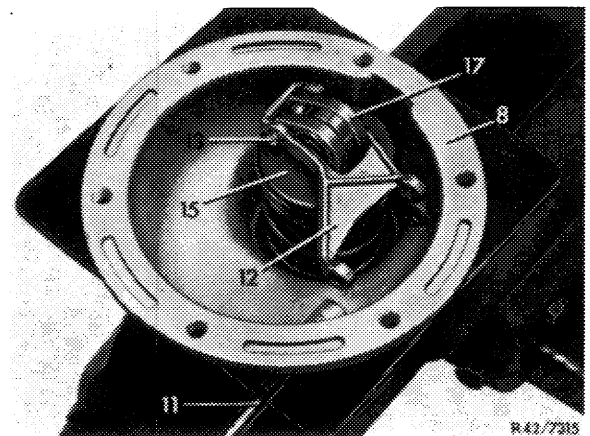


Assembly

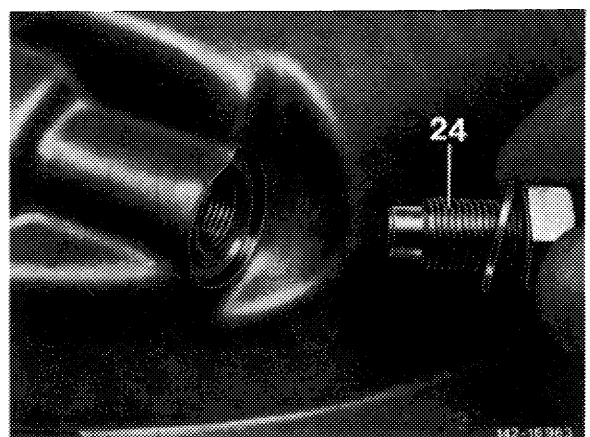
7 Place spring retainer and springs on piston rod (17), pretension with clamping device (51) and install into pump housing.



8 Insert shaft (11) for rocker arm (12) into pump housing.



9 Provide closing plug (24) with Loctite. Mount new sealing ring and tighten to 8–10 Nm.



10 Place pump on assembly plate and screw spindle of assembly plate up against stop.

11 Screw clamping tool (51) off.

12 Install piston (42–628).

