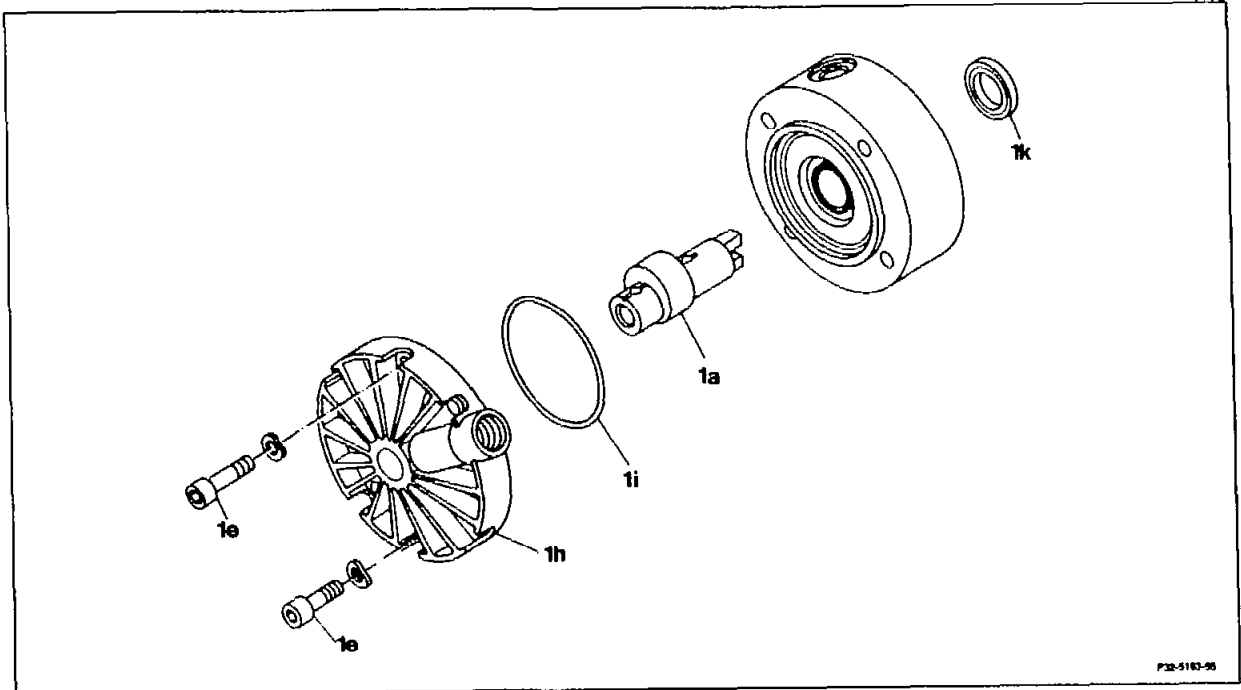


32-0645 Replacing radial sealing ring of pressure oil pump (engines 102, 601, 602 and 603)

Preceding work:
Pressure oil pump removed (32-0640).

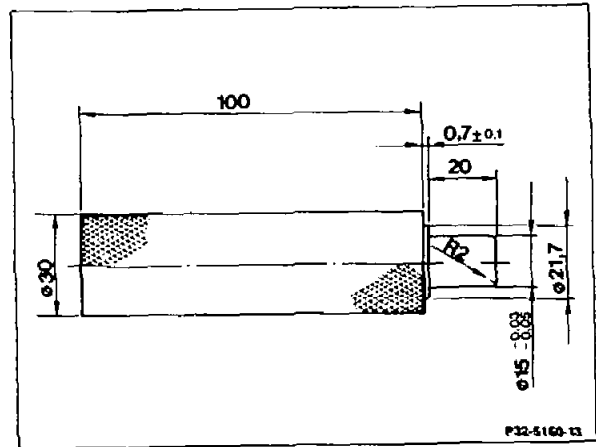
Operation no. of operation texts and work units or standard texts
and flat rates:
32-0815



Bearing cap (1h)	Mark position to pump housing.
O-ring (1i)	Remove, replace and install.
Hexagon socket bolts (1e)	Unscrew, tighten to 9 Nm.
Eccentric shaft (1a)	Remove, install. Check bearing surface.
Radial sealing ring (1k)	Remove, replace, install with shop-made tool.

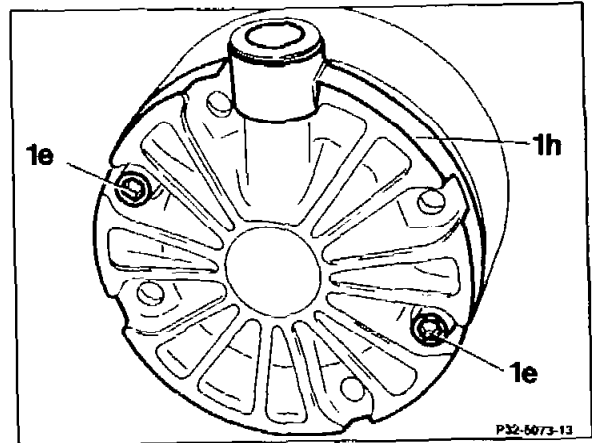
Shop-made tool

Press-in mandrel



Procedure

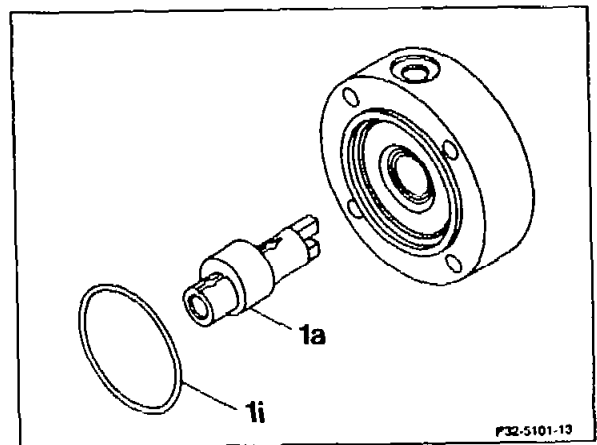
- 1 Mark position of bearing cap (1h) to pump housing.
- 2 Unscrew two hexagon socket bolts (1e) and remove bearing cap (1h).



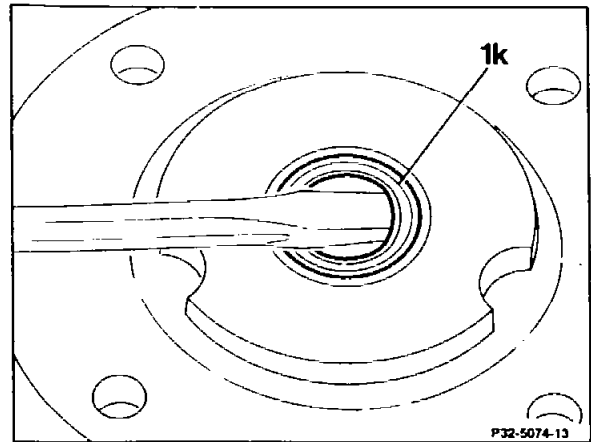
- 3 Remove O-ring (1i).
- 4 Pull out eccentric shaft (1a) so that the steel ring for supporting the piston remains in the pressure oil pump.
- 5 Check bearing surfaces for the two radial sealing rings on the shaft.

Note

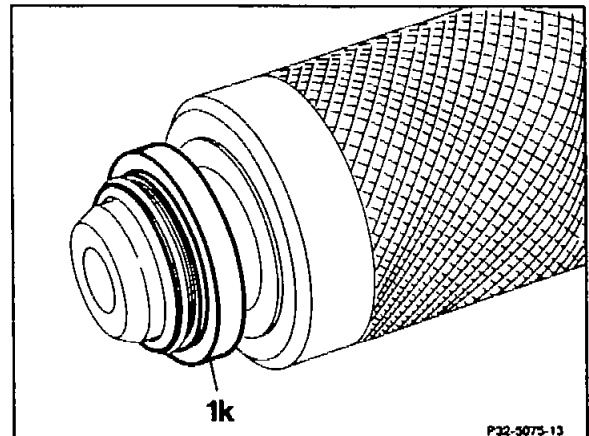
Only install a new radial sealing ring if the eccentric shaft has no score marks, i.e. if no grooves can be detected, otherwise replace the pressure oil pump.



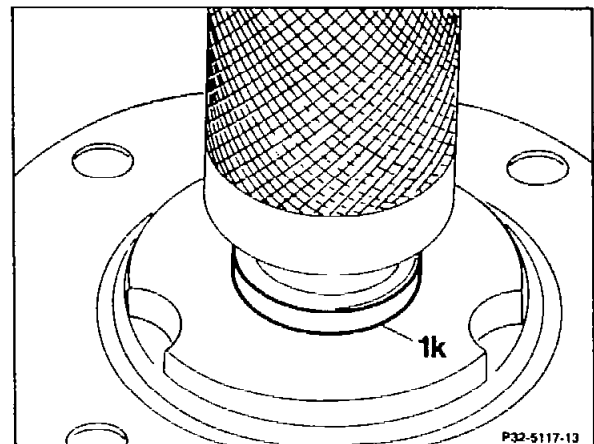
6 Remove radial sealing ring (1k).



7 Coat lips of new radial sealing ring (1k) with oil and push onto shop-made mandrel.



8 Press new radial sealing ring (1k) into pump housing as far as the press-in mandrel will go.



9 Push eccentric shaft into pressure oil pump with a rotating movement.

10 Insert new O-ring and fit bearing cap in accordance with marking.

11 Tighten hexagon socket bolts to 9 Nm.