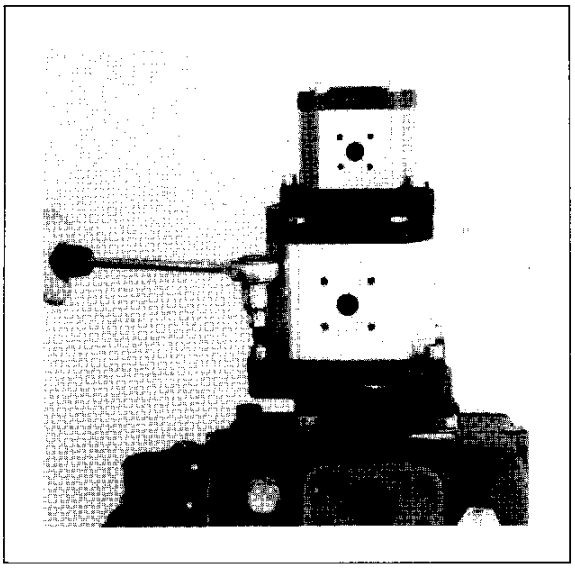
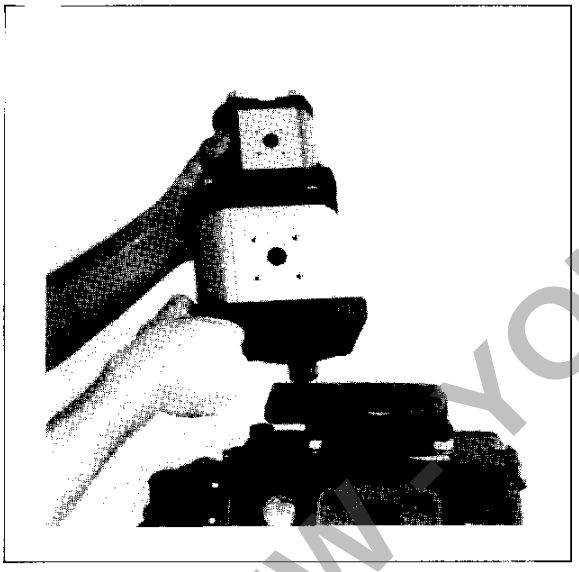


Disassembly of auxiliary pump

(tandem gear pump)

Loosen fixing screws
(4 cap screws M 10 x 35-8.8 A2C)



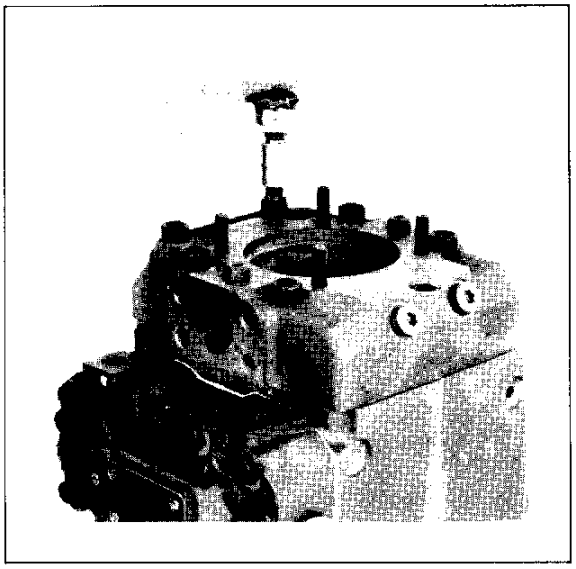
Take auxiliary pump off.



Take O-ring out and check.

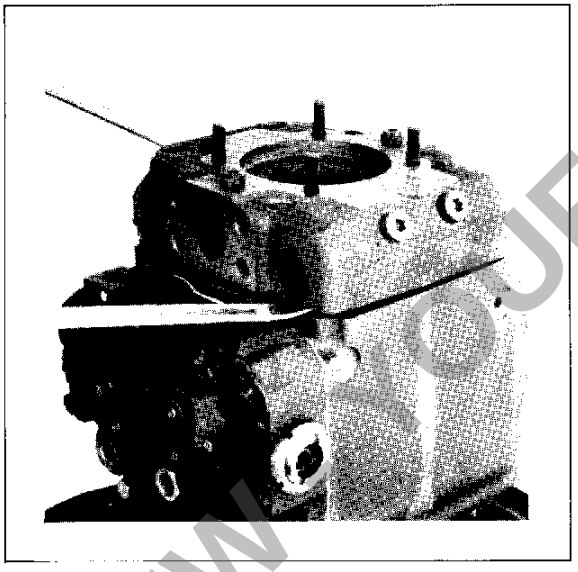
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Disassembly of valve plate housing

Unscrew fixing screws
(1 cap screw M 16 x 80-10.9)
(6 cap screws M 16 x 90-10.9)



Loosen valve plate housing ...

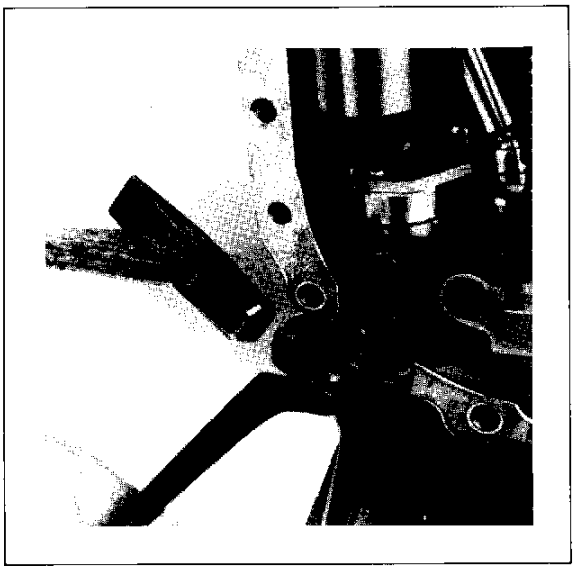


... and lift it off
(check O-ring).

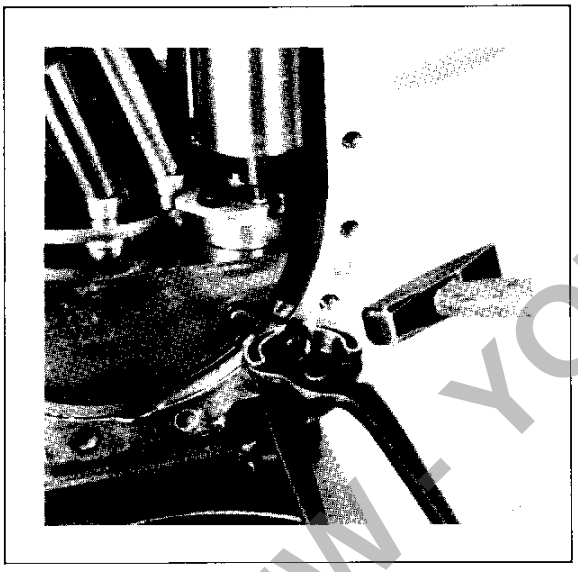
Attention!
Deeper running grooves on valve plate surface having been caused by contaminated hydraulic oil cannot be removed by grinding because of the very hard and relatively thin hardened coat. In this case a new valve plate must be mounted.

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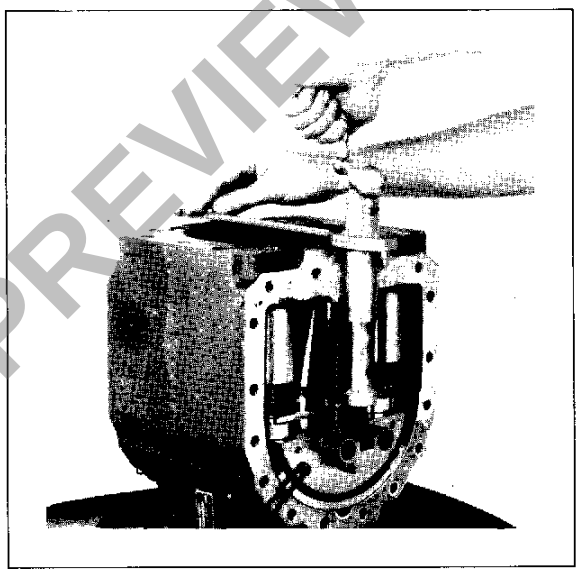
Disassembly of swash plate



Knock flanged bolt out.



the flanged bolt at rear side, too.



Press ball pin with special tool against spring and relieve swash plate; at the same time the spacer bolt is pressed out.

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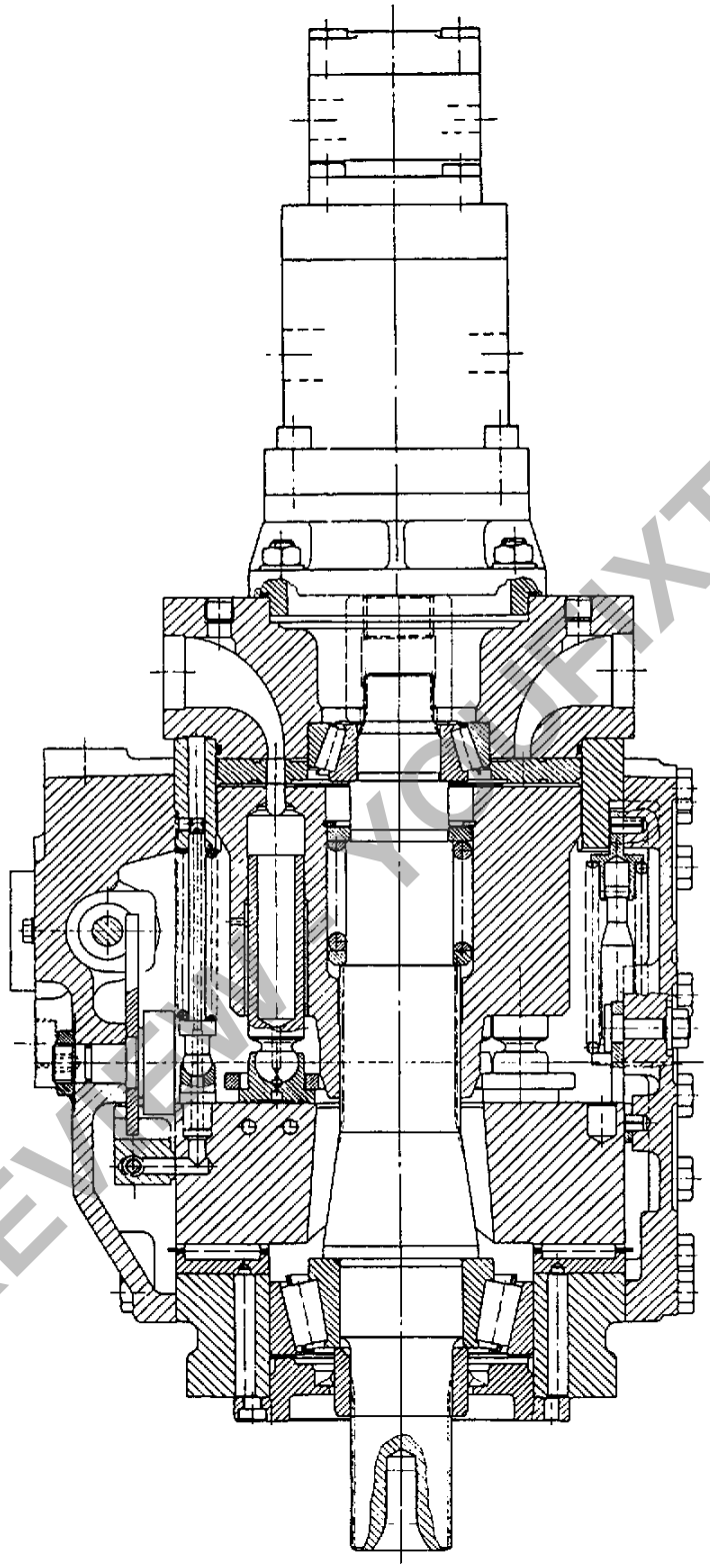
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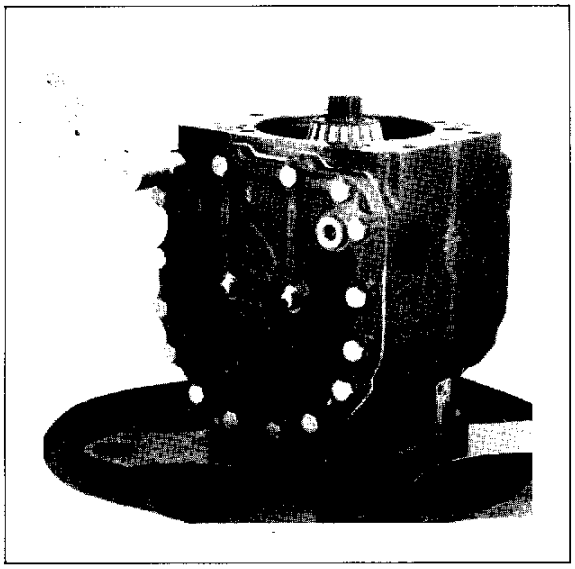
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Hydraulic pump BPV 200
with auxiliary pump

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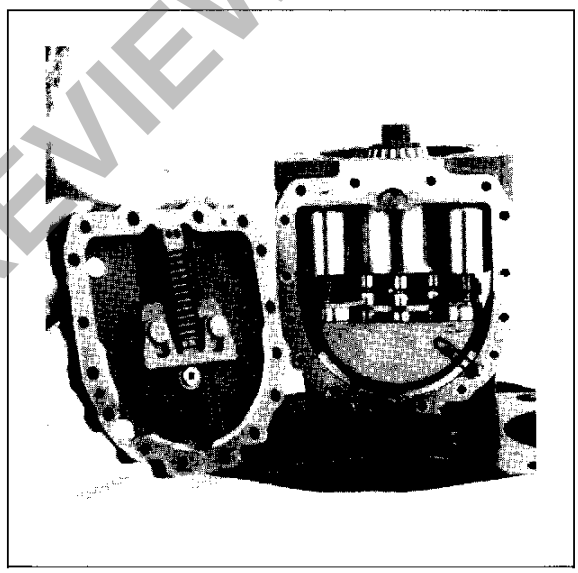


Disassembly of setting cam cover

Unscrew fixing screws
(16 hex. head screws M 12 x 40-8.8 A2C).



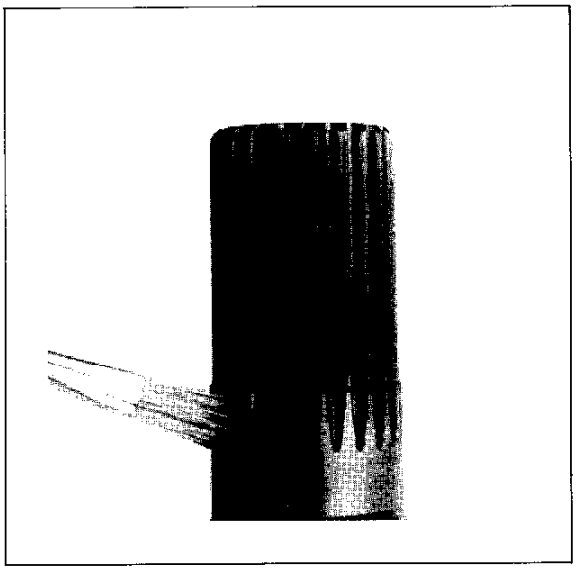
Loosen setting cam cover
(sealed with Loctite No. 572), for safety reasons one screw should at first not be turned completely out.



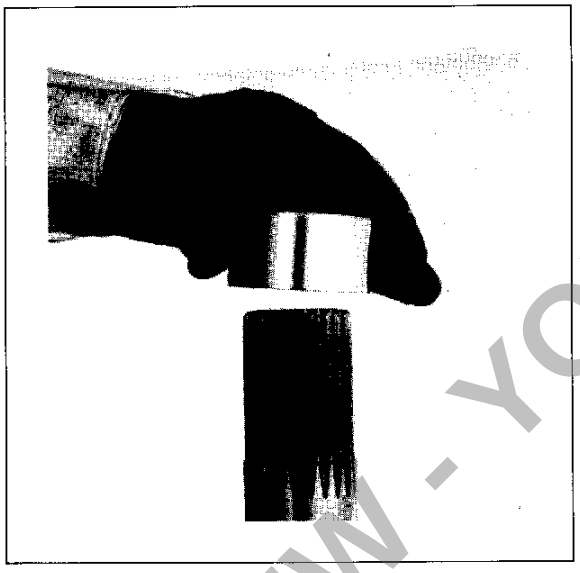
Setting cam cover removed.
Remove sealant remainders from cover and pump housing.

Attention!
Do not disassemble setting cam cover, since restoring spring is under high pretension.

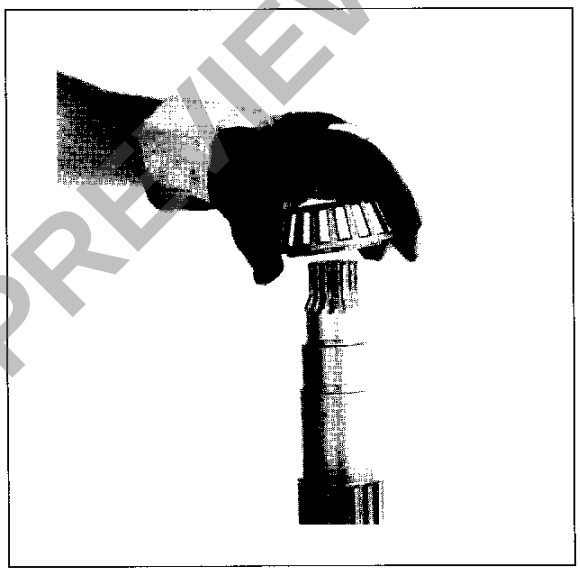
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Coat shaft end with Loctite No. 648 to secure the ball race ...

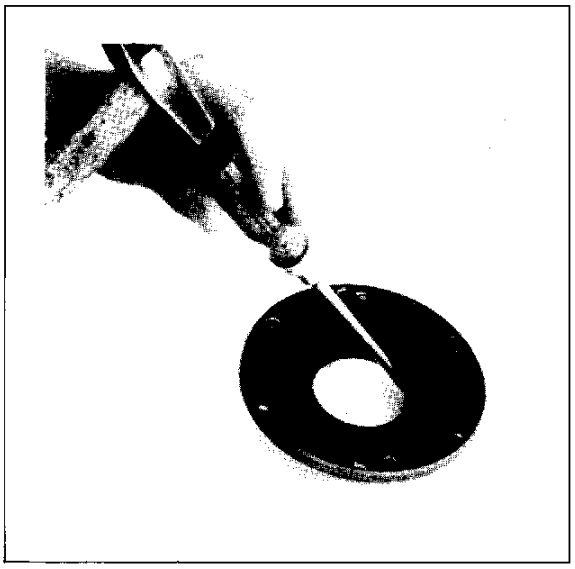


... and put warmed-up ball race on.



Warm rear taper roller bearing up on a hot plate and put it onto the drive shaft.

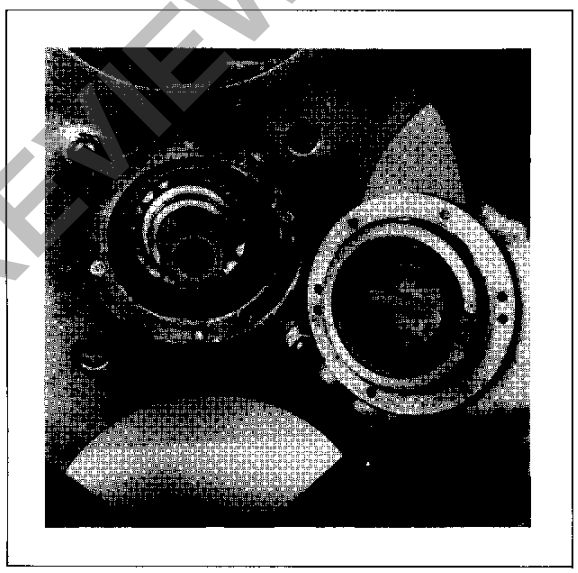
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Expel shaft seal ring.



Coat new shaft seal ring with Loctite No. 572 and press it into the cover.
Coat also flanged half of cover with Loctite No. 572.



When mounting the cover it must absolutely be taken care that the position – as shown – is kept, in order to assure the oil supply to the bearing, and ...

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