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SERVICE
MANUAL

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Hydrostatic Steering Unit OSPB/OSPC

FN.21.AC.02 replaces HN.21.AB.52; HN.21.AB.52

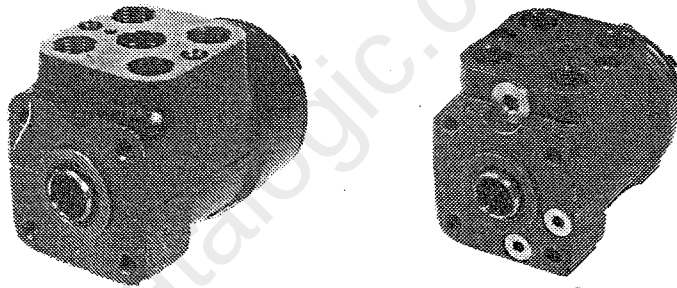
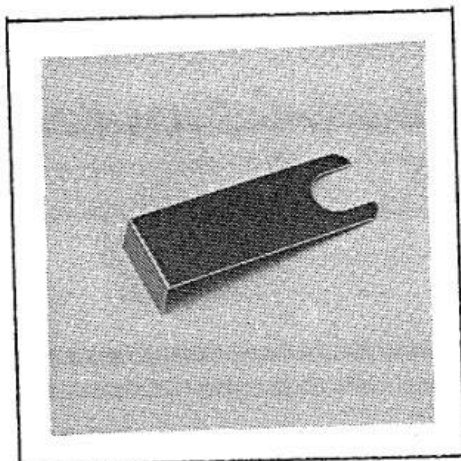
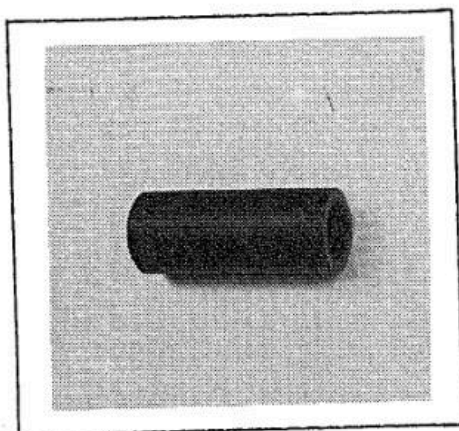


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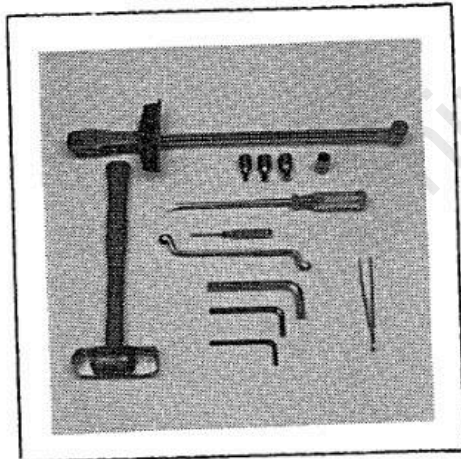
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D Assembly tool for cardan shaft.
Code no. SJ 150-9000-3.

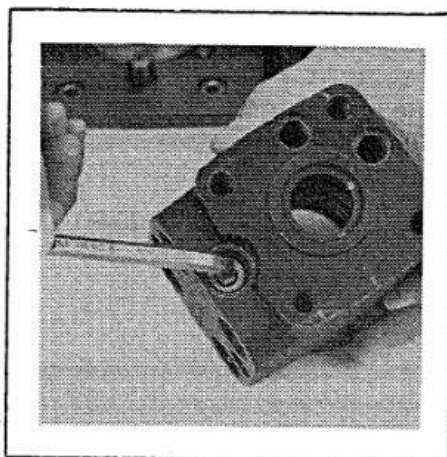


E Assembly tool for dust seal.
Code no. SJ 150-9000-22.

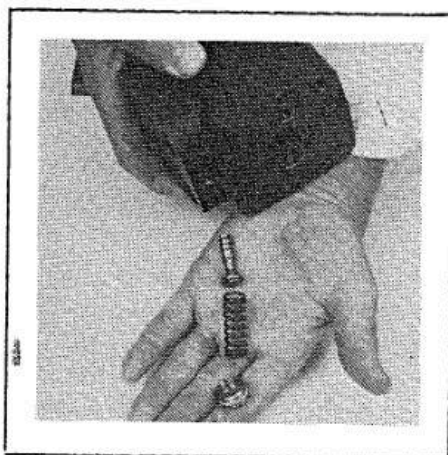


F Torque wrench 0-7 daNm.
13 mm socket spanner.
6, 8 and 12 mm hexagon sockets.
12 mm screwdriver.
2 mm screwdriver.
13 mm ring spanner.
6, 8 and 12 mm hexagon socket spanners.
Plastic hammer.
Tweezers.

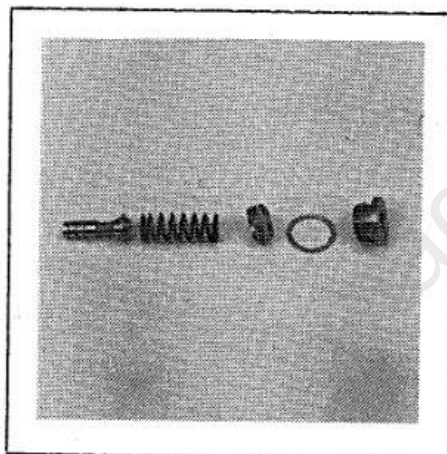
The tools named under point F are not available from Danfoss.



21 Unscrew the setting screw using an 8 mm hexagon socket spanner.



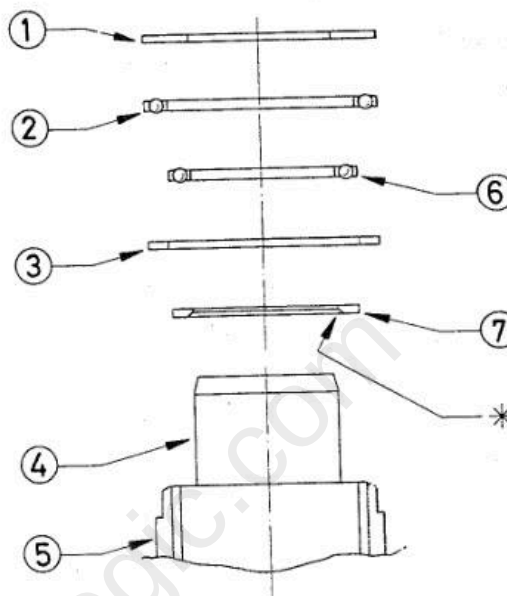
22 Shake out spring and piston. The valve seat is bonded into the housing and cannot be removed.



23 The pressure relief valve is now dismantled.

Assembly pattern for double bearings

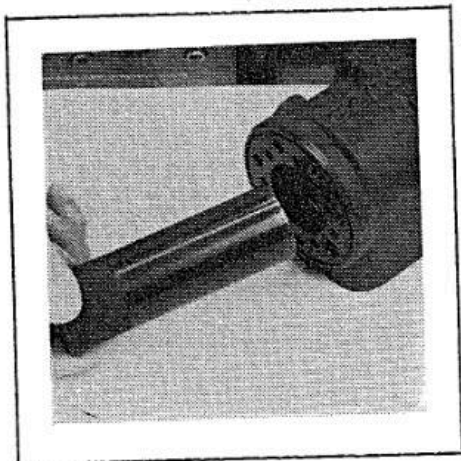
- 1 Washer for axial bearing
- 2 Outer needlebearing
- 3 Outer bearing race
- 4 Spool
- 5 Sleeve
- 6 Inner needlebearing
- 7 Inner bearing race



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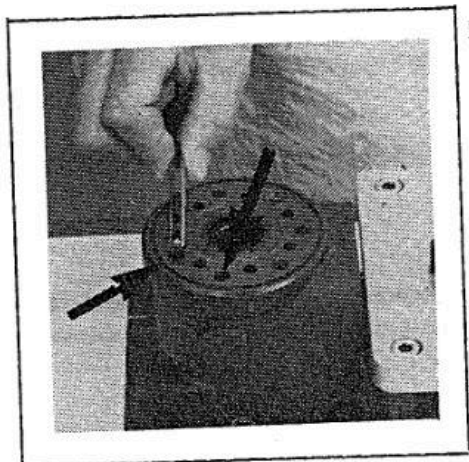
The inside chamfer on the inner bearing race must face the inner spool.

Installation instructions for o-ring/kin-ring (standard)

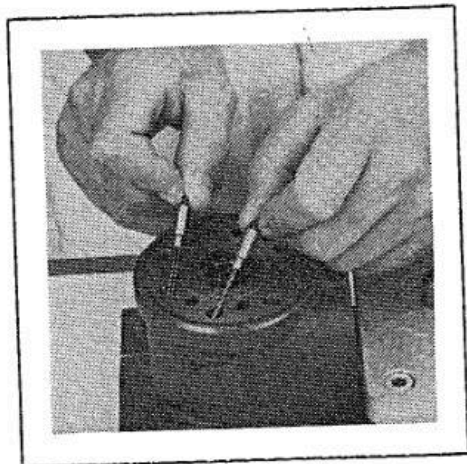


- 39 Turn the steering unit until the bore is horizontal. Guide the outer part of the assembly tool into the bore for the spool/sleeve.

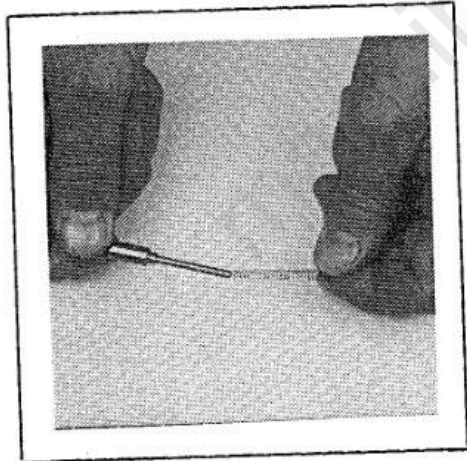
Assembly of the two suction valves for OSPC/OSPC LS/OSPC LSR



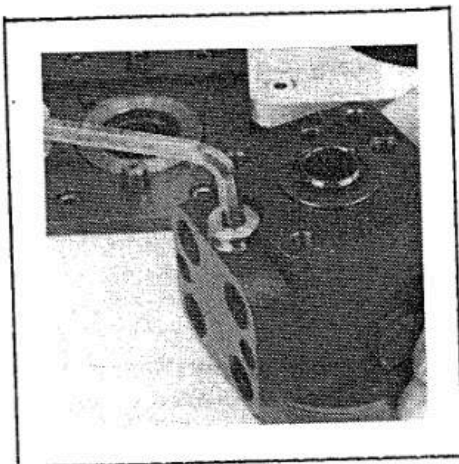
51 Place a ball in the two holes indicated by the arrows.



52 Place a pin in the same two holes.



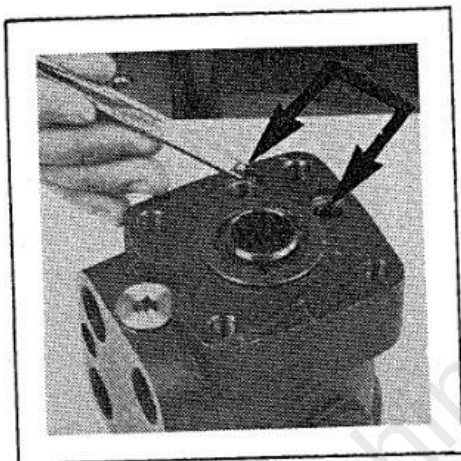
53 In some cases a spring has to be fitted (see page 30, pos. 28) on the pin before it is placed in the housing. (See OSPC spare parts list, HN.21.L1.52).



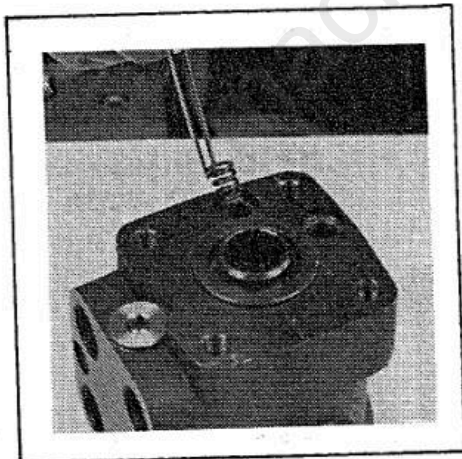
- 72 Screw plug with seal ring into the housing using an 8 mm Allen key.

Tightening torque: 5 +/-1 daNm.

Assembly of the dual shock valves for OSPC/OSPC LS/OSPC LSR



- 73 Put a ball in the two holes indicated by the arrows.



- 74 Place springs and valve cones over the two balls.

Note:

The blue spring applies to setting range 90-180 bar. The untreated spring applies to setting range 190-260 bar. (See OSPC spare parts list HN.21.L1.52).

[illegible]

Full Version Available

Danfoss OSPB + OSPC Service Manual

Danfoss OSPB, OSPC component service manual with dismantling, reassembling and exploded view for steering units. Instant PDF download.

VIEW THE FULL MANUAL

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