

Fig. 7 - Single acting cylinder.

- A - Snap ring
- B - Ball
- C - Cylinder
- D - Self-locking nut
- E - Guide ring
- F - Seal
- G - Piston
- H - Shaft

- I - Snap ring
- L - Head
- M - Gasket
- N - Dust seal
- O - Spring
- P - Ring nut

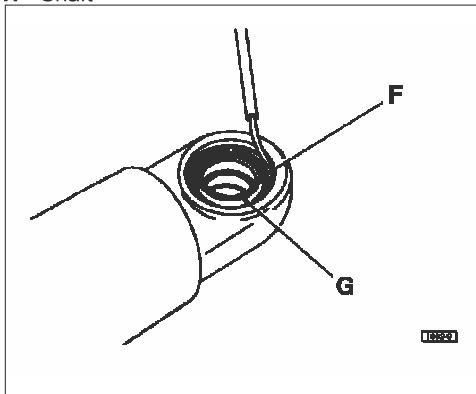


Fig. 8 - Ball joint

- F - Circlip
- G - Ball joint

Servicing

Verify the integrity of the O-ring and wiper seals. Replace any components showing signs of wear or damage.

Inspect the sliding surfaces both of the rod and of the cylinder for signs of scoring, heavy wear or any kind of damage; if any of these are discernible, replace the affected component.

Check for correct operation of the ball end, ensuring that it betrays no signs of heavy wear, scoring or oxidation, the presence of which dictates replacement. Lubricate the wiper seals and ball end with care.

Reassemble the cylinder, repeating the dismantling operations in reverse sequence.

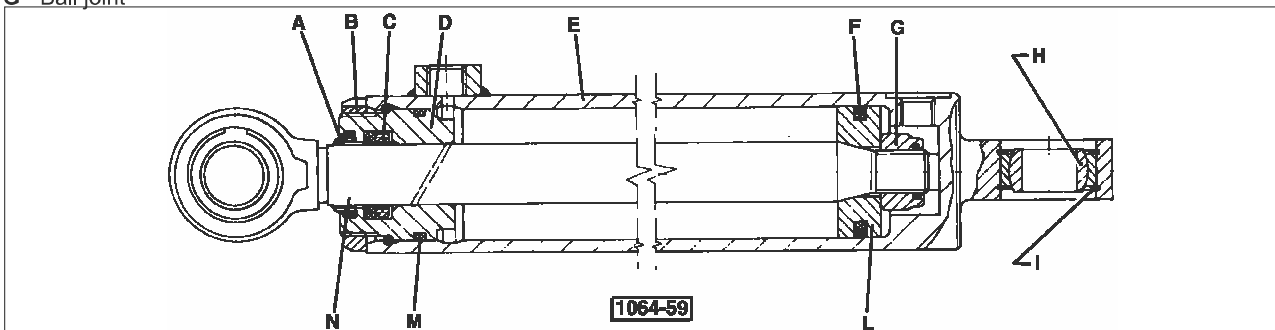
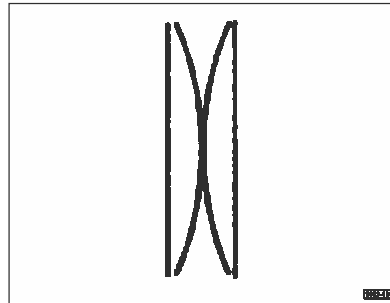


Fig. 9- Section through single acting cylinder.

- A - Wiper
- B - Ring nut
- C - Gasket
- D - Head
- E - Cylinder
- F - O-ring
- G - Self-locking nut
- H - Ball end
- I - Circlip
- L - Piston
- M - O-ring
- N - Shaft

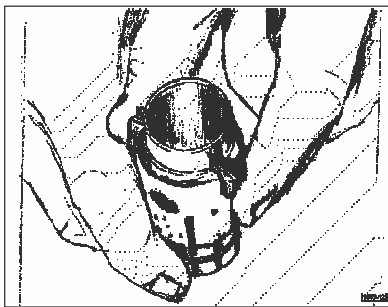
Instructions for the hydrostatic steering distributor assembly



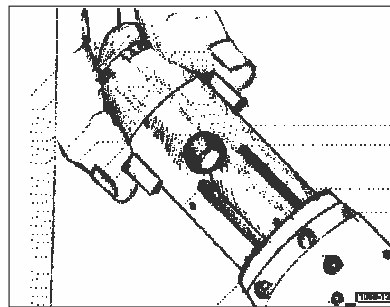
1 - Insert the spring set (blue) as shown in figure.



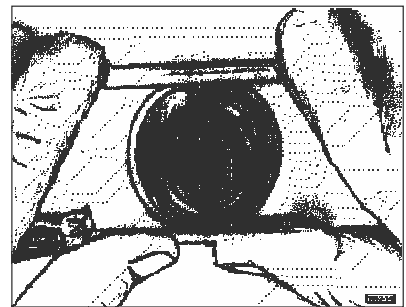
2 - Insert first the two external spring blades into the rotary distributor and subsequently the two internal ones.



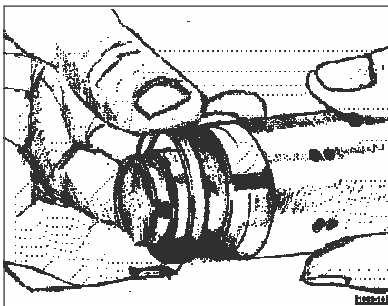
3 - Press the spring blades to align in centre position.



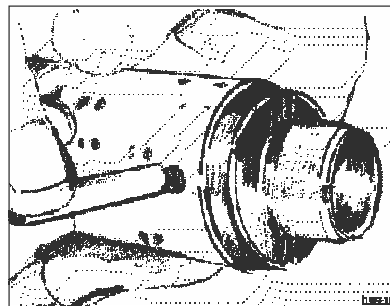
4 - Reassemble the rotary distributor.



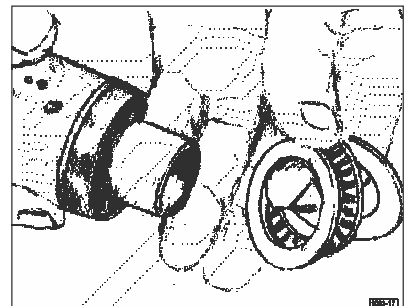
5 - Act on springs in such a way they are prevented from projecting outwards with respect to the rotary distributor outside surface.



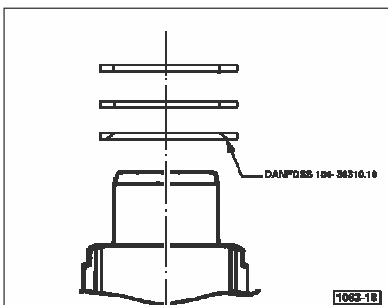
6 - Fit the spacer onto the distributor.



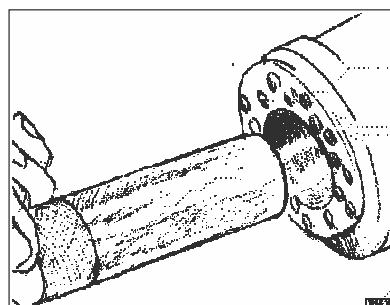
7 - Insert the drive pin into the cylinder



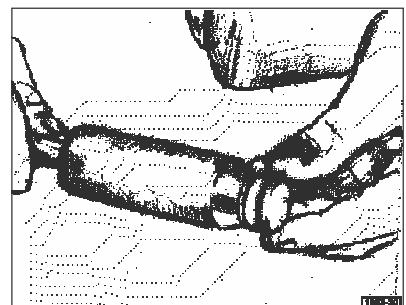
8 - Install the axial bearing following the assembly order shown in next figure.



9 - Axial bearing installation.



10 - Use no. 5.9030.480.0 tool to fit the seal ring.



11 - Insert the O-ring after fitting the tool sleeve into the distributor case.