

Dismantling and Assembly

the motor body and push with your fingers on the rear bearing block.

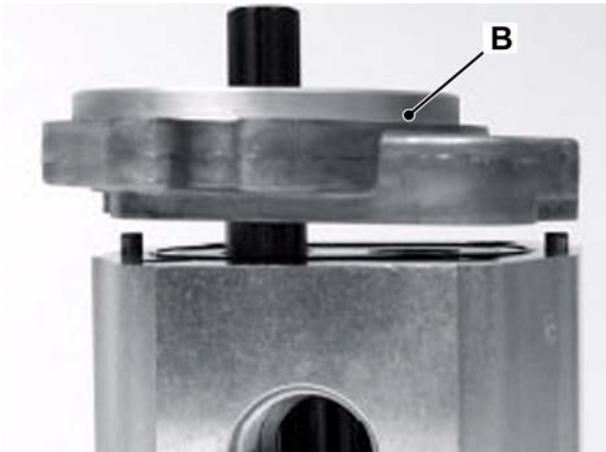


Fig 4.

P009820

Note: Be careful not to damage the shaft seal when removing the flange. Avoid contact of the shaft seal lips with keyway edges (in tapered and parallel shafts) or splined shaft teeth.

Inspect the front flange **B** and seal area.

Clean with shop solvent, dry, and set aside.

5 Remove rear cover **C**.

Clean with shop solvent, dry, and set aside.

Visually inspect rear cover **C** and seal area.

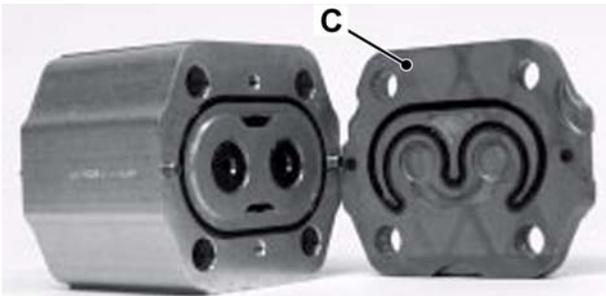


Fig 5.

P009830

6 Remove bearing blocks **D** and gears.

Place the motor on its side and carefully remove the bearing block and gear set. To accomplish this, hold

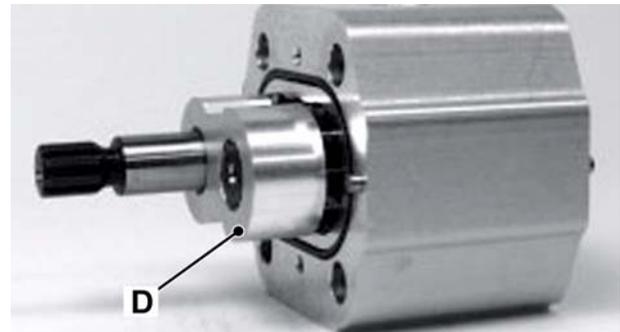


Fig 6.

P009790

Mark the relative positions of the gear mesh (drive gear tooth to idler gear tooth) and the bearing blocks to the body so they can be reassembled in the same position.

7 Remove the pressure seals **E**.

a For SNM 2/SEM 2/SHM 2/SNR 2 Motors

Important: Do not use tools with sharp edges to remove the seals, as damage to the cover can result.

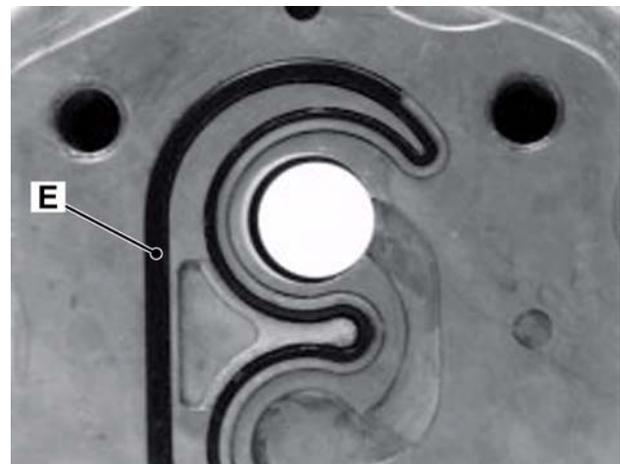


Fig 7.

P009810

Check the seal quality. Replacement is recommended whenever there are burrs, evidence of extrusion, or marks caused by

overheating. If the seals need to be replaced, carefully remove them from the flange cover, beginning with the backup ring and then the pressure seal.

Do not force the removal of the backup ring, remove it gradually to avoid damaging the groove in the flange.

The pressure seal **E** is very delicate, handle it with care.

After removal, dispose of damaged seals.

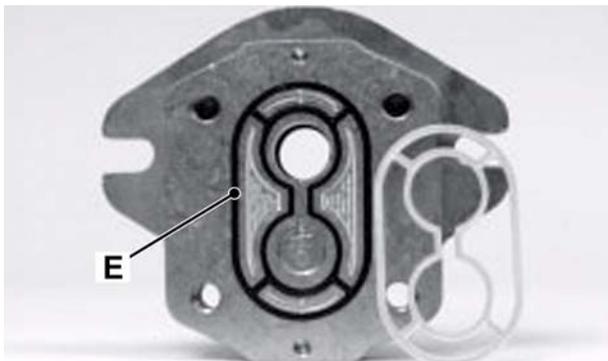


Fig 8.

P009920

8 Remove outer O-ring seal **F**.

Check the quality of this seal **F**. If necessary, replace it. Follow the same removal recommendations given in step 7.

After removal, discard the damaged seal.

Important: Do not use tools with sharp edges to remove the seals, as damage to the cover can result.



Fig 9.

P009780

9 Remove the snap ring **G**.

Place the flange on the work surface. Using internal snap ring pliers, remove the snap ring **G**.



Fig 10.

P009770

10 Remove the shaft seal **H**.

Check the shaft seal quality and remove if necessary.

To remove, pry the bottom of the shaft seal **H** and force it out while rotating the flange to lift it out evenly.

Do not use the flange pilot to gain leverage, damage may result. Use a plastic rod or wooden dowel as a fulcrum.

After removal, dispose of damaged seal.