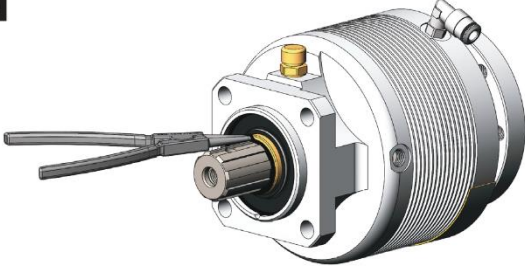
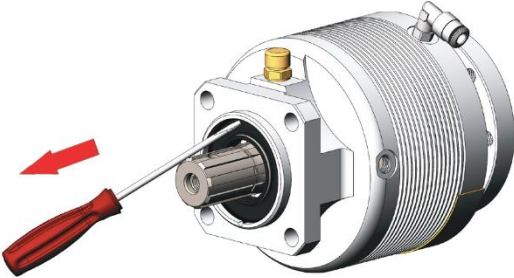
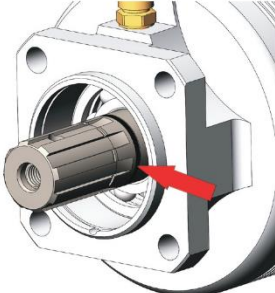
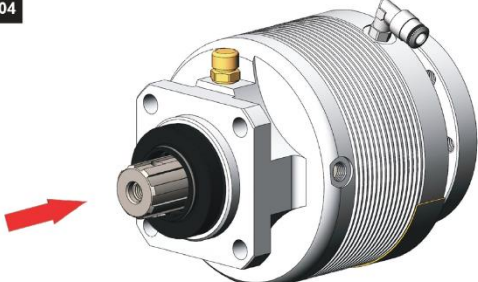
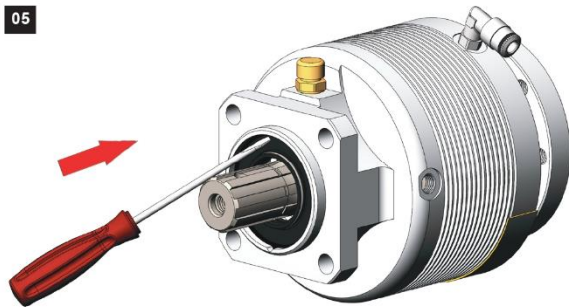


## Replacement of disks, gaskets, bearings inspection and internal cleaning.

Every 2000 hours

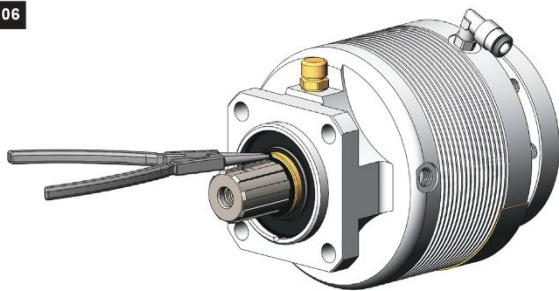
<p>01</p> 	<p>Remove the Seeger ring on the output shaft ensuring not to damage it.</p>
<p>02</p> 	<p>Remove elastic ring and oil seal.</p> <p>Check the integrity status of the bearing (see page 15, position 11), in case you need to replace it see page 21.</p>
<p>03</p> 	<p>The one indicated in the picture is a static gasket placed under the bushing.</p> <p>In case you need to replace it you need to disassemble completely the Slick Shift by following the instructions "Bearings replacement" on page 21.</p>
<p>04</p> 	<p>Place the new Oil Seal.</p> <p><b>Seal Kit code 10399030053.</b></p>

05



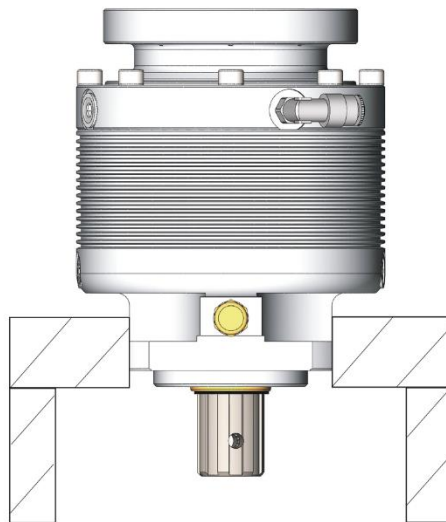
Place the elastic ring.

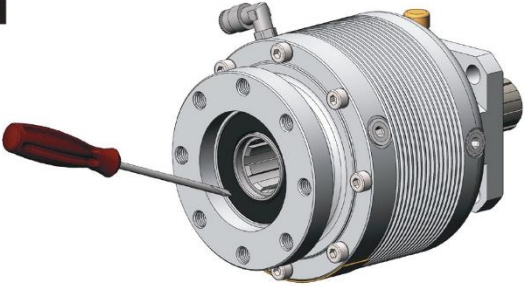

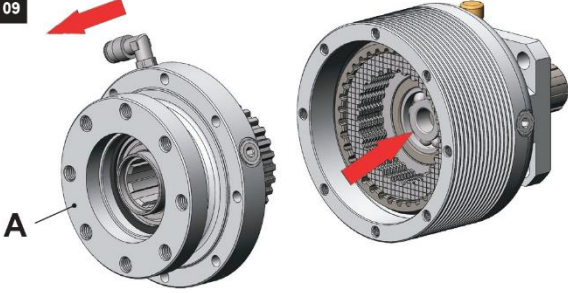

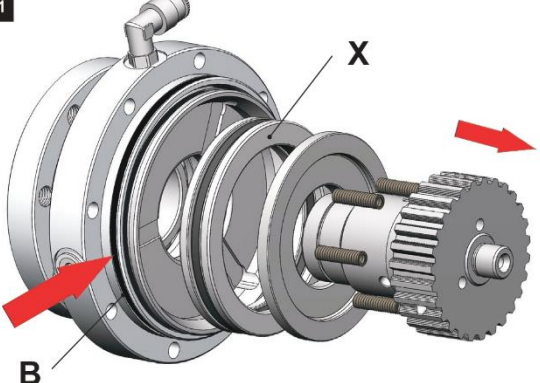
06

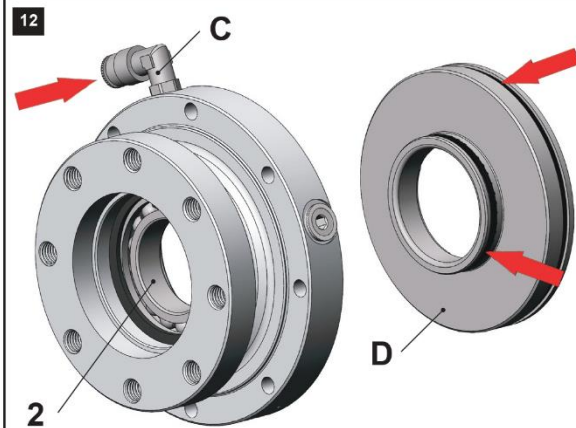


Place again the Seeger Ring. In case it got damaged it must be replaced!

Every operation that follows should be executed with the Slick Shift unit firmly fixed on a clamp as shown in below picture.



<p>07</p> 	<p>Remove the oil seal by means of a screwdriver. The oil seal must be replaced with a brand new one.</p>
<p>08</p> 	<p>Unscrew all the 8 TCE M8x40 screws by means of an Allen Key.</p>
<p>09</p> 	<p>Extract the whole FRONT BODY (position A). Check the integrity of the bearing (see page 15, position 18) placed at the bottom of the REAR BODY. In case you need to replace it, see page 21.</p>
<p>10</p> 	<p>Remove the Seeger ring ensuring not to damage it.</p>
<p>11</p> 	<p>Extract the HUB UNIT including springs, "pressure disk" and axial bearing <b>X</b>. Check the gasket in position <b>B</b> and replace it in case you find it damaged or worn out. <b>Seal Kit code 10399030053.</b> Check the integrity of the axial bearing <b>X</b>. If you need to replace it see page 21.</p>



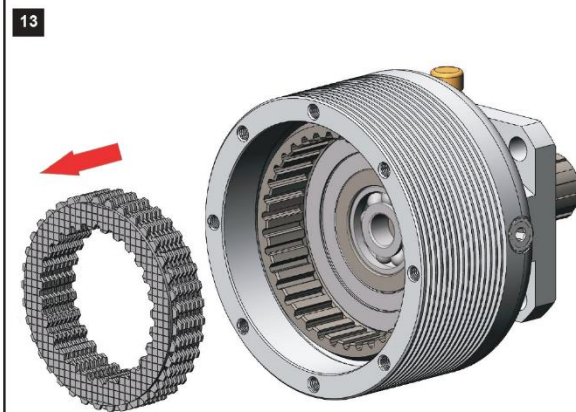
Blew air into fitting **C** and extract the item **D**.

Check the 2 gaskets indicated in the picture and replace them in case they are damaged or worn out.

**Seal Kit code 10399030053.**

Check the integrity of bearing **2**.

If you need to replace it see page 21.



Extract all the disks and check them **CAREFULLY**. In case they are even slightly damaged or worn out they must be replaced.

**Disks Kit code 10399010057**

**At this stage you have checked and eventually replaced all the disks and gaskets.**

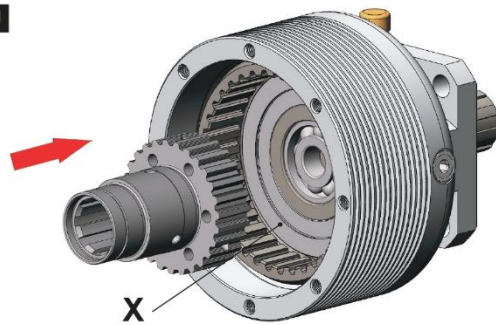
## SLICK SHIFT assembly



During these operations every component must be blown with compressed air and cleaned where necessary.



01

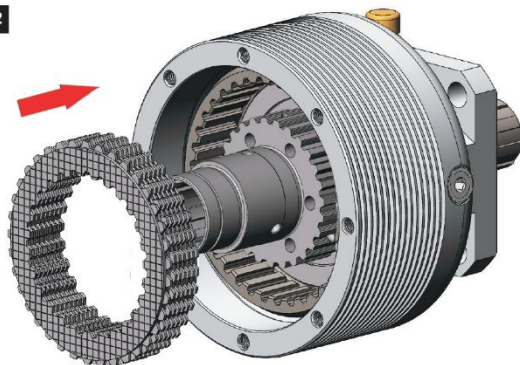


Re-assemble the hub.



**ATTENTION!** Check that “reaction disk” indicated with “X” has remained in its original position, if not re-place it properly with the right orientation.

02



Insert the disks paying attention to ensure the proper alignment between external and internal teeth.

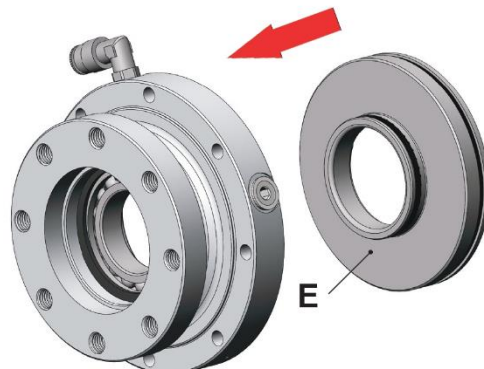
n° 8 friction disks.  
n° 7 steel plates.

03







Place springs, “pressure disk” and axial bearing **X** in their housing.

04



Place the piston **E** in its seating.

<p>05</p> 	<p>Fit in the FRONT BODY again.</p>
<p>06</p> 	<p>Screw-in all the 8 TCE M8x40 screws by means of an Allen Key.</p> <p>Tightening torque = 25 Nm</p>
<p>07</p> 	<p>Place the Seeger ring on the hub. Replace it in case it is damaged.</p>
<p>08</p> 	<p>Place a new oil seal.</p> <p><b>Seal Kit code 10399030053.</b></p>

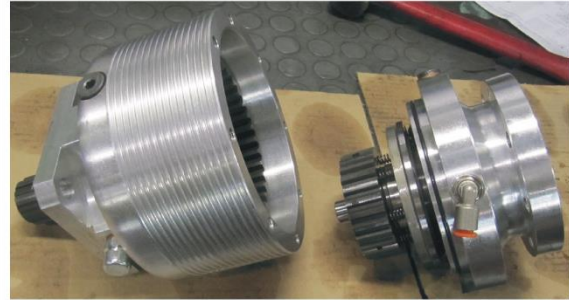
## Bearing replacement. Disassembling

Every 4000 hours

01



Unscrew all the 8 TCE M8x40 screws by means of an Allen Key.



02



Remove indicated Seeger Ring on the shaft and elastic ring.

03



Remove the oil seal by means of a screwdriver. The oil seal must be replaced with a brand new one.

04



Hit the shaft with a plastic hammer until the shaft comes off from the bottom.



05



Remove indicated bearing and replace it.

06



In order not to damage the shaft, place it on a wooden surface and hit the shaft onto it until the bearing slips off. Replace the bearing.



07

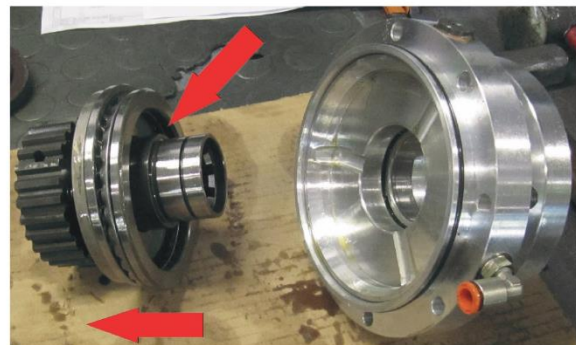


Hit the opposite side of the shaft on the wooden surface until the internal bearing comes off. Replace it.

08



Take the other half SLICK SHIFT body, separated at point 01. Remove the Seeger ring (see page 15, position 29) from the hub and then the complete Hub Unit. Extract also the axial bearing and replace it.



09



Blew air into the fitting and remove indicated component.

10



Rotate 180° the body, remove the Seeger ring which is "holding" the bearing.

11



Extract the bearing and replace it.

**At this stage you have removed all the bearings that must be replaced.**

**Bearings Kit code 10399020055.**

## Assembly of SLICK SHIFT with new bearings.

01



Insert the new bearing and push it in its seating.

**Bearing Kit**  
code 10399020055.

02



Place the shaft and then the new bearing on the bottom.

X



**ATTENTION!** Check that "reaction disk" indicated with "X" has remained in its original position, if not re-place it properly with the right orientation.

03



Insert the hub and the springs.



04



Insert alternatively and in sequence n.1 "friction disk" and n.1 "steel plate".

n° 8 friction disks.  
n° 7 steel plates.

05



Insert in sequence the "pressure disk" (check correct mounting side) and the new axial bearing.

**Bearings Kit code 10399020055.**



06



On the other half Slick Shift body, insert indicated piston as shown.

07



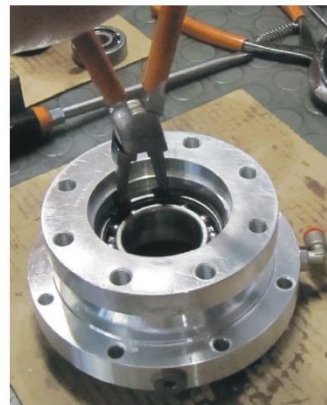
Couple the half body indicated in step n.6 with the other half body assembled before. Screw in the 8 screws with tightening torque = 25 Nm.



08



Place the new bearing and, in sequence, the Seeger ring on the hub and a new oil seal. **Seal Kit code 10399030053.**



**Bearing Kit code 10399020055.**

09



Rotate the Slick Shift and place the new bearing in its seating.

**Bearing Kit code 10399020055.**

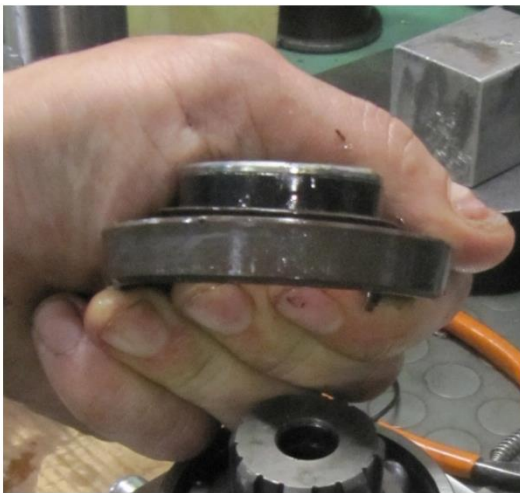
10



Place the new O-Ring on the shaft.

**Seal Kit code 10399030053.**

11



Place **FIRST** the bushing in the oil seal.

12



Place both bushing and oil seal on the shaft. Slightly hammer them alternative (make sure they don't separate in this phase) until they are properly in their seat.