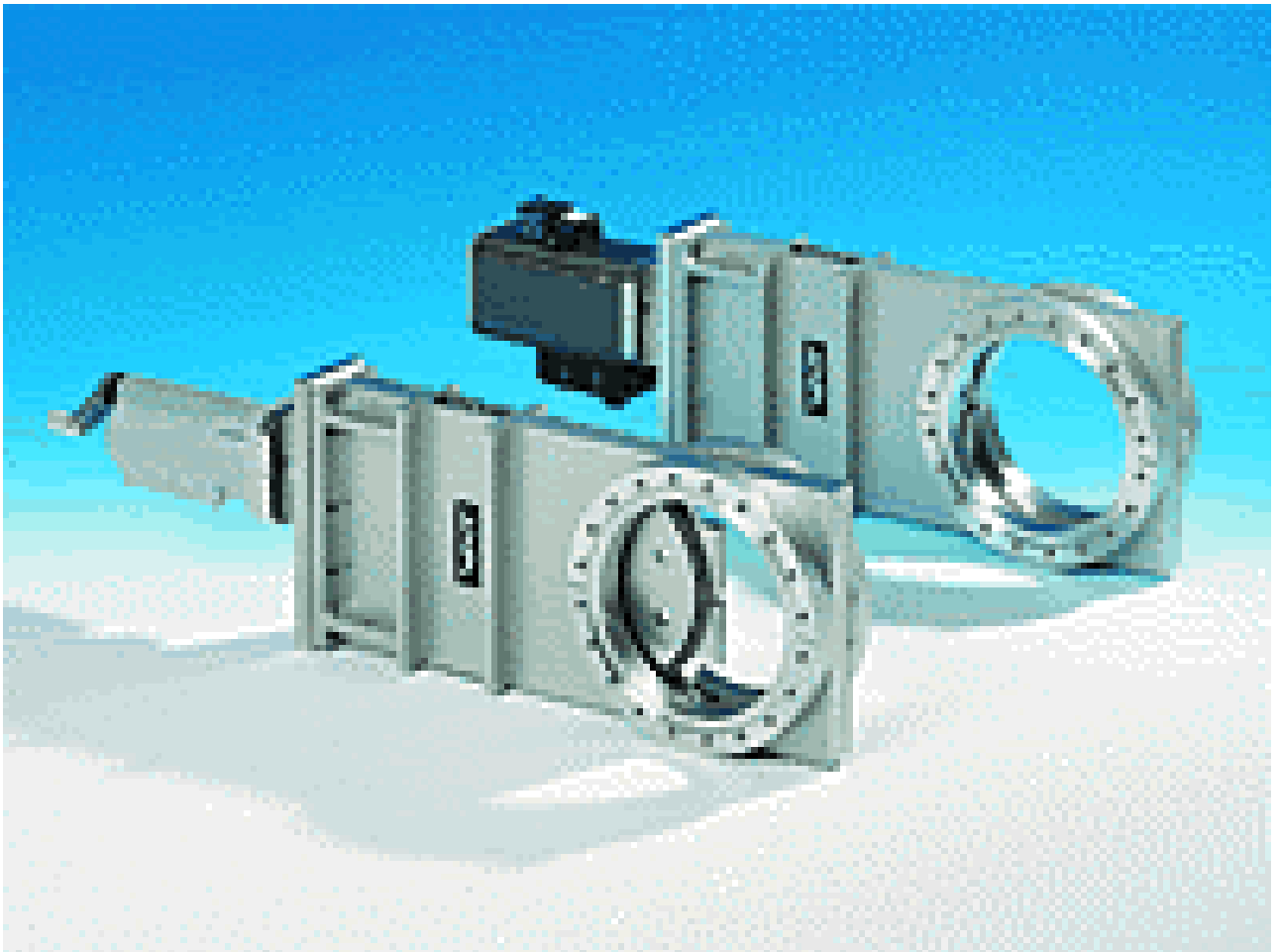




HOW TO CHANGE THE VITON GASKET IN AN UHV VAT VALVE – SERIES 10



Esteban Broitman © – November 2003

To change the Viton gasket you need the SEAL KIT from VAT.

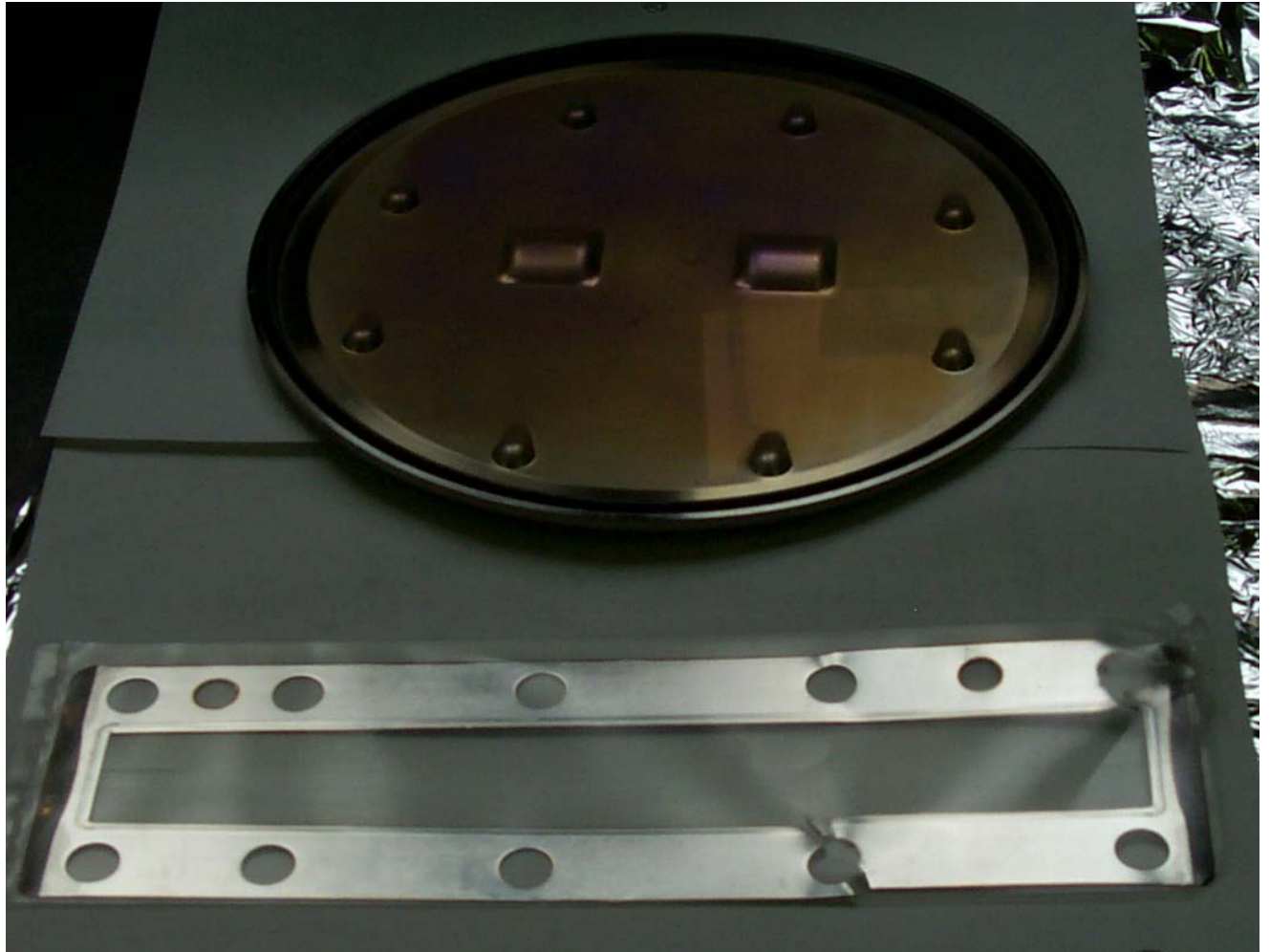


Figure 1: KIT

The seal kit contains a plate with the Viton o'ring and a metal gasket

- 1. The valve must be in the “open” position**
- 2. Unscrew the bolts from the main body**
- 3. Take out carefully the internal mechanism (Figure 2)**



Figure 2: Internal mechanism

4. Here you have a cross-sectional view where you can see the mechanism that keeps the plate fixed. In the figure, the leaf springs are indicated with the number 3.

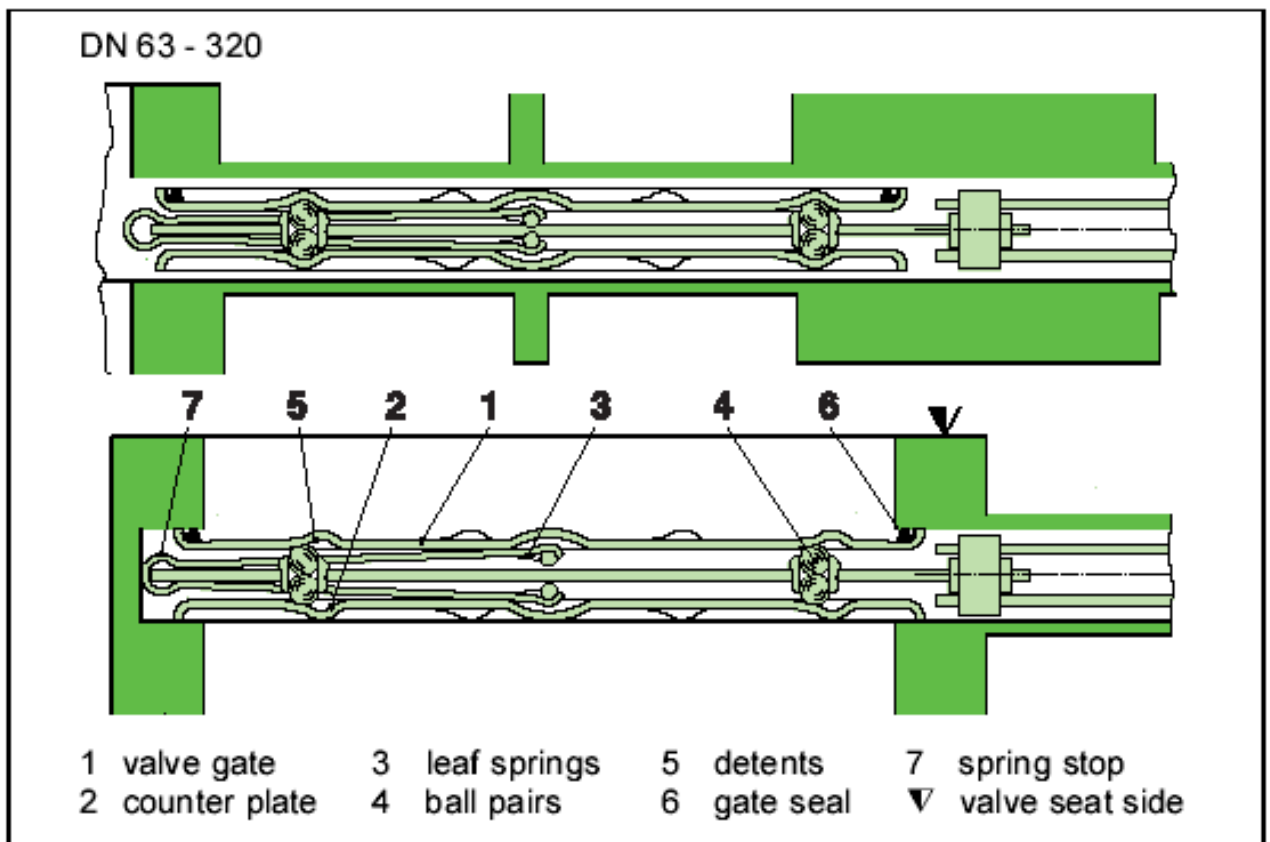


Figure 3: Cross-sectional view

5. Apply a force over the plate in the indicated direction



Figure 4: Taking the old plate

6. After the plate is removed, be careful: don't drop the 8 ball bearings! (see Figure 5)

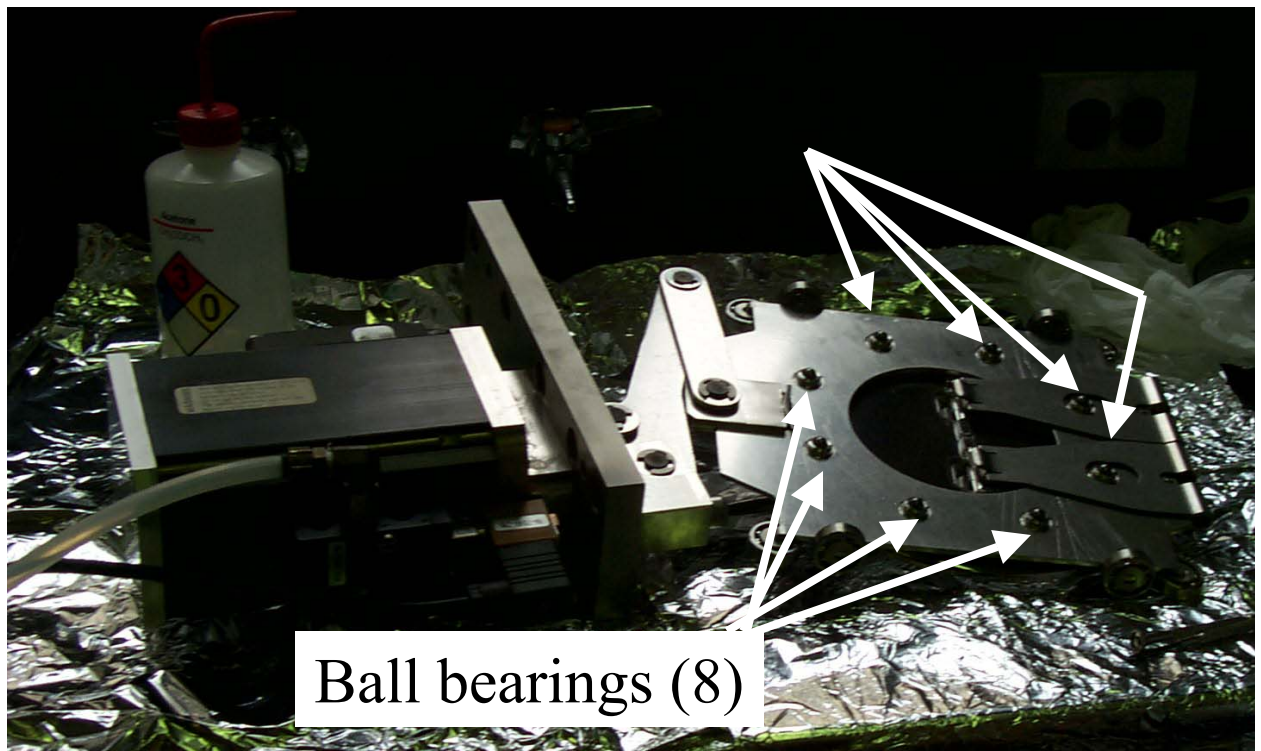
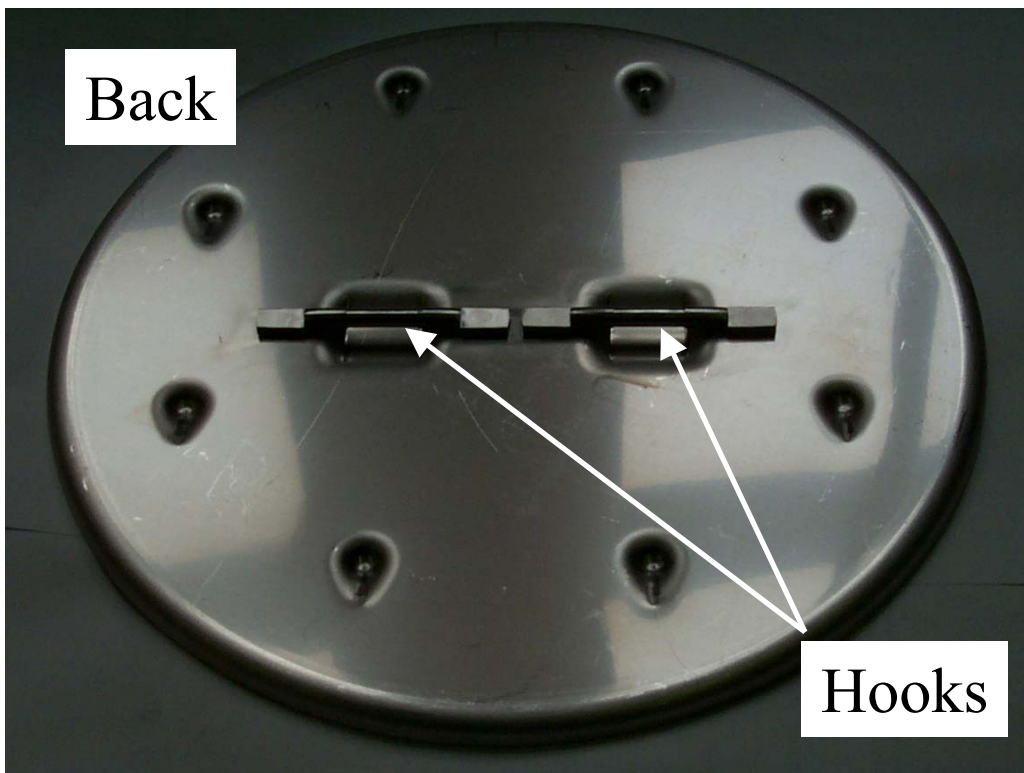
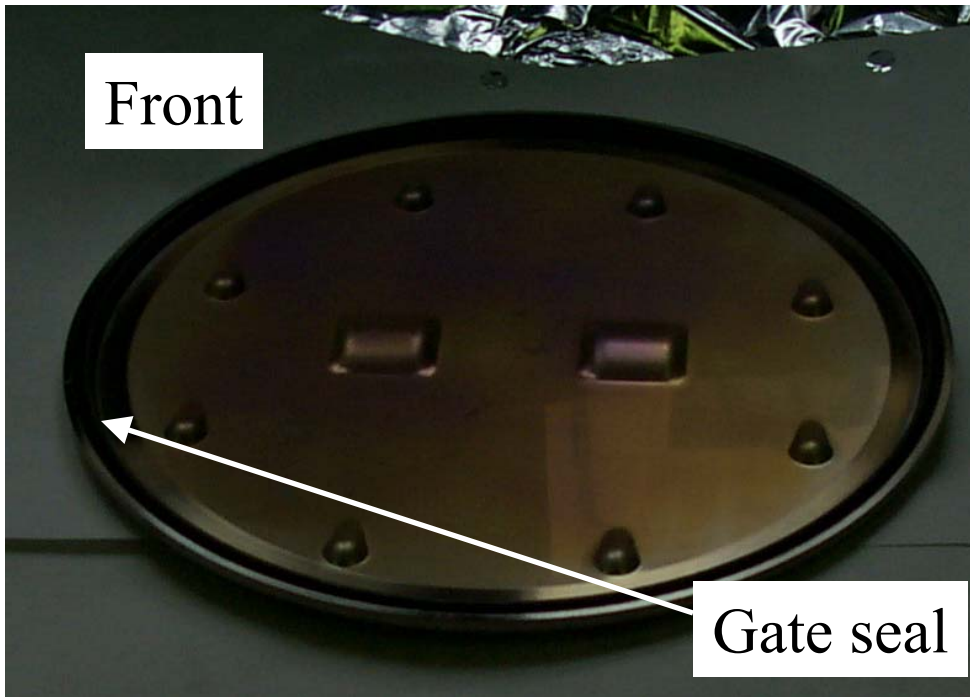
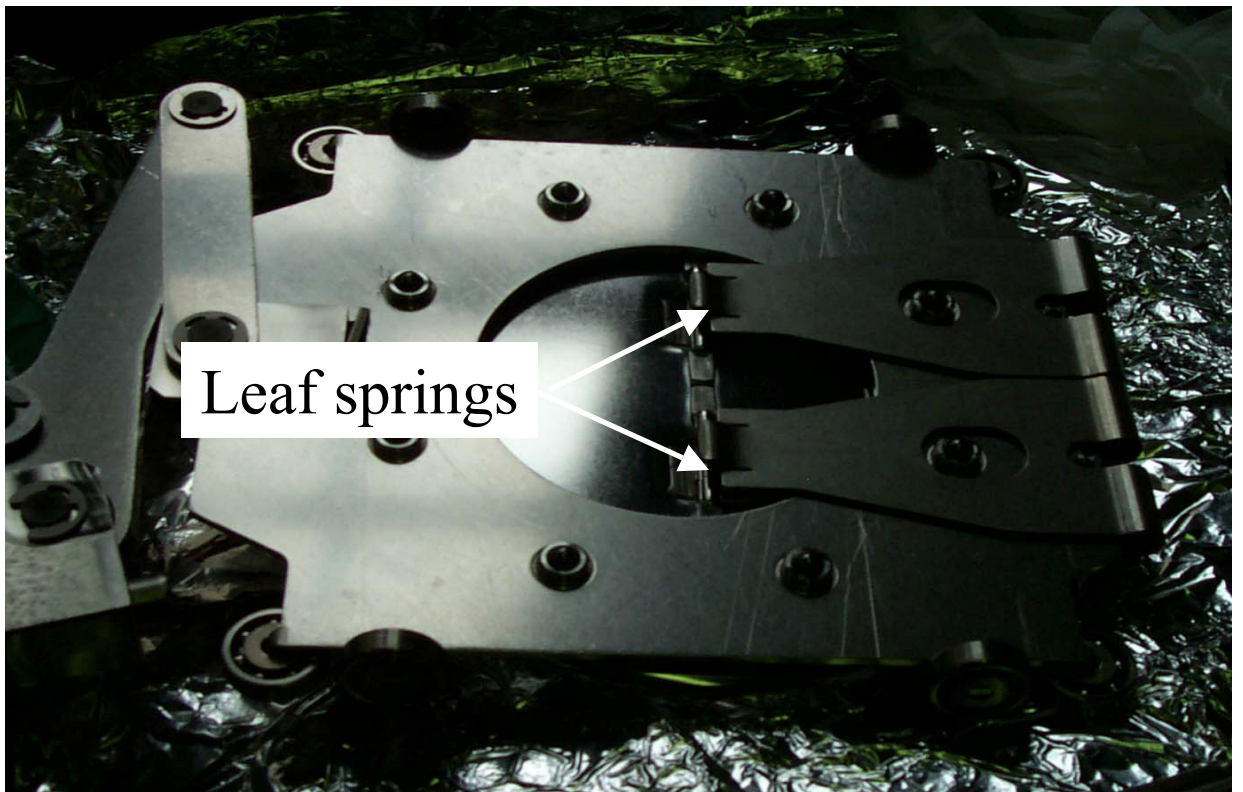


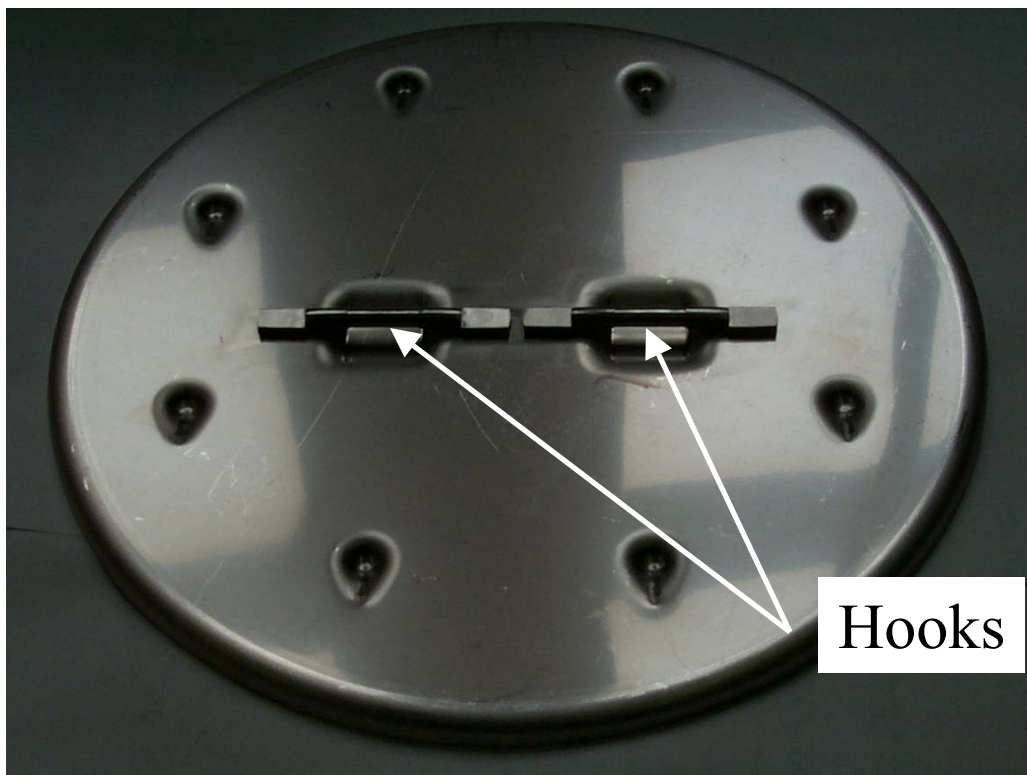
Figure 5: Ball bearings

7. This is the gate (front and back sides)





8. The leaf springs must go under the hooks to keep the plate in position



9. To place the new gate...



...use two screwdrivers to open the leaf springs



10. Place the plate in position, with the ball bearings under the rounded depressions of the plate. Take out the screwdrivers.



11. The mechanism is ready to be placed inside the valve



12. Remember to change the metal gasket!

