

870, 870V
2½"-10"



FEBCO®

Modification Overview

- Production of the 2½” – 10” sizes began in 1993.
- The original 870 was “N” pattern only.
- Lead free version (LF870) was introduced in 2011. *Parts do not interchange with original versions.*

Check Cover Removal

- Cover is bolted and o-ring sealed.
- There is a slight spring load on cover.



Disassemble Spring Module

- The spring module is held in position by the cover.
- Spring module is captured.
- Remove the retaining clip and hinge pin from the arm assembly.



Check Disc Replacement

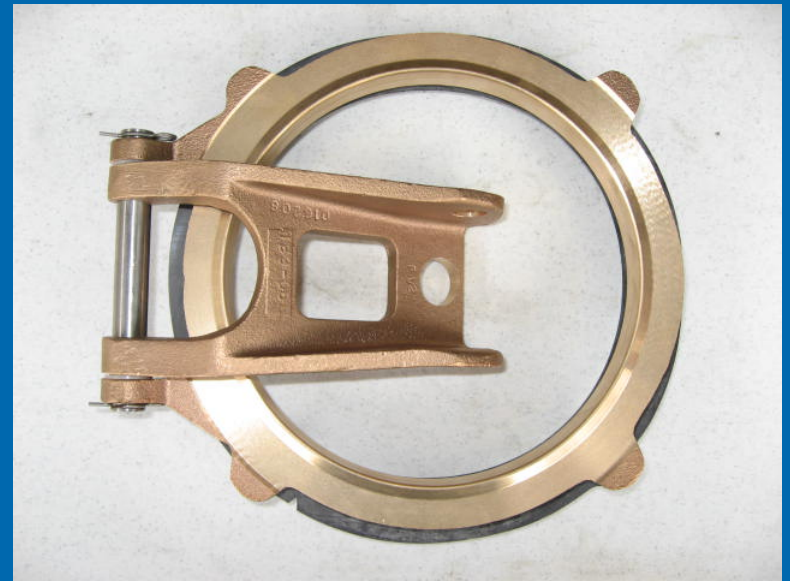
- The check disc is a vulcanized clapper plate.
- Remove jam nut and washer from the back of the disc plate.

** When jam nut is tight, check disc is designed to “wobble”.



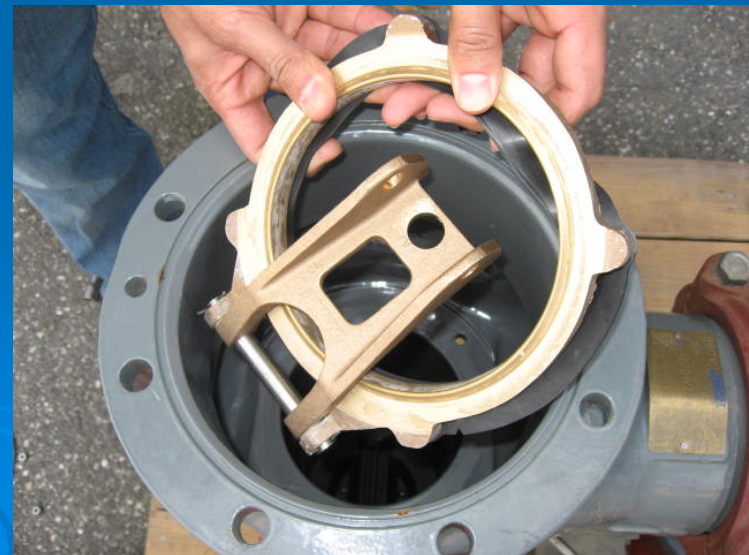
Check Seat Removal

- The seat and arm must be removed as one piece.
- The seat and arm assembly is bolted “**through**” the body and sealed by a gasket.



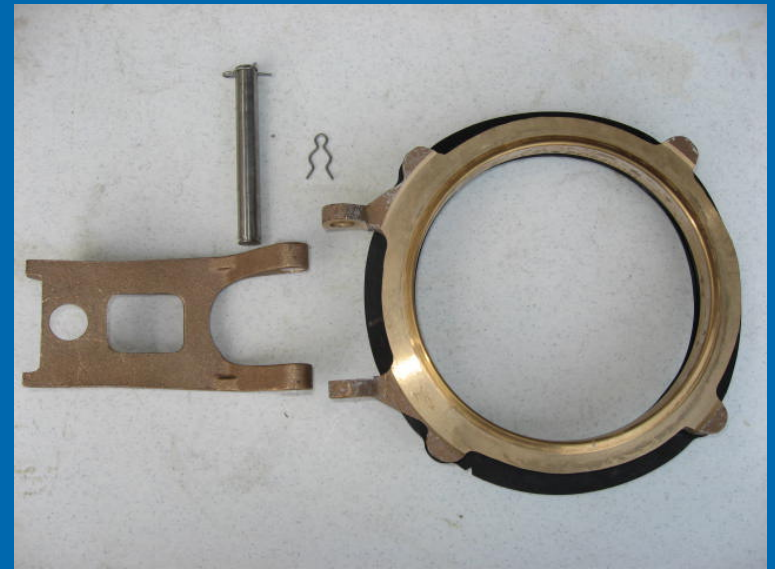
Check Seat Removal

- Locate and remove the four lock nuts on the “**outside**” of the body.
- Pull the seat and arm assembly straight out of the body.



Disassemble Seat Assembly

- Remove retaining clip and hinge pin from arm assembly.
- Inspect bushings and hinge pins for wear.



Check Valve Reassembly Notes

- Reassemble in reverse order.
- The seat assembly, disc plate, and spring module can be assembled together and placed into the body as one component.
- The seat ring will only fit into body one way, check the alignment of gasket and studs.



Check Valve Reassembly Notes

- The spring module is positioned by the cover.
- Make sure the pivot bearing is resting in the pivot socket on the cover.

