

850, 860, 880

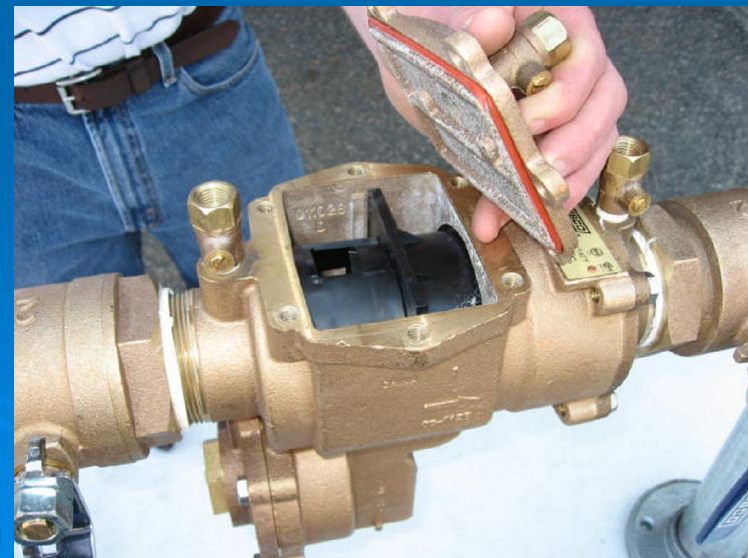
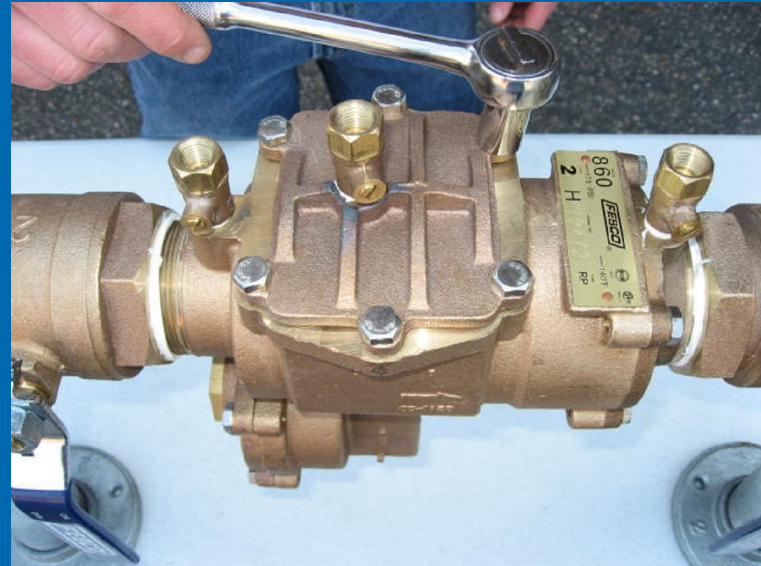
1/2"-2"



FEBCO®

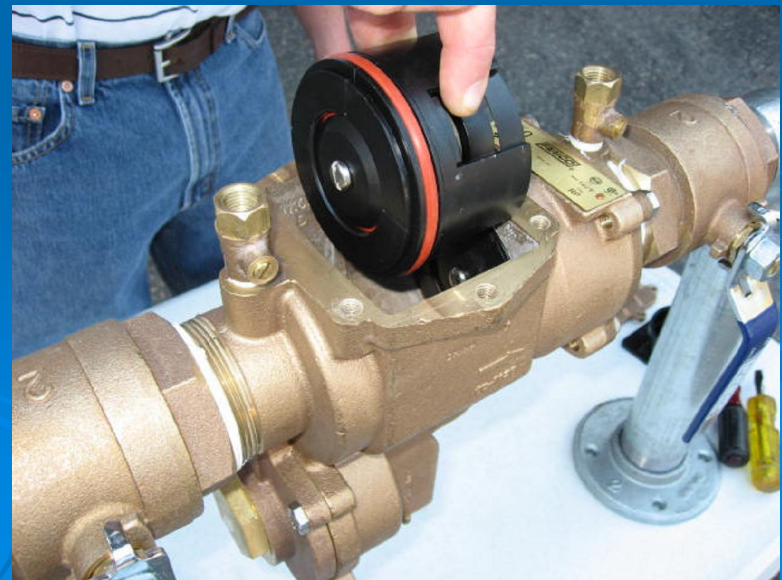
Check Cover Removal

- Check cover is bolted and o-ring sealed.
- There is no spring load on the cover.



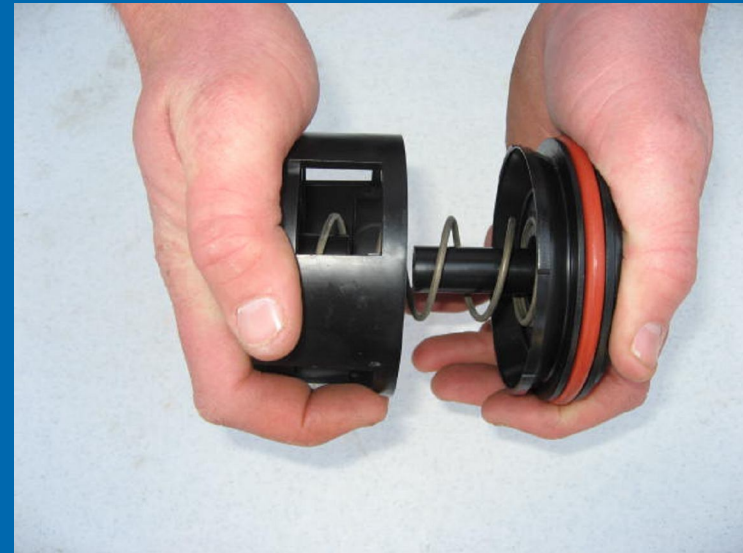
Check Valve Removal

- Check valve modules.
- Modules are o-ring sealed and secured by a retainer.
- Check #1 must be removed before #2.
- Slide retainer straight out of body.
- The checks can now be removed by hand or with a screw driver flat.



Disassemble Check Module

- Module is spring loaded.
- Firmly grasp the seat section in one hand and the guide section in the other hand.
- Rotate counter clockwise until the two parts disengage. (approx. 1/8 turn)



Check Seat Removal

- Check seats are part of each check module.
- If the seat is damaged, then the entire module must be replaced.



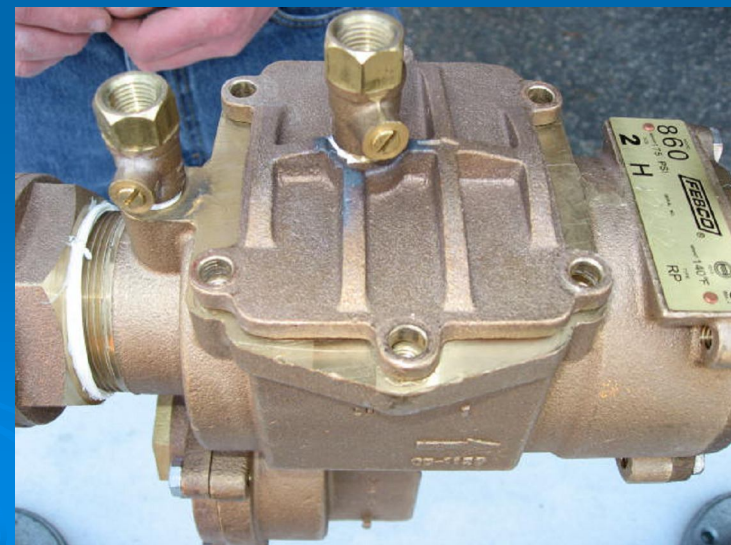
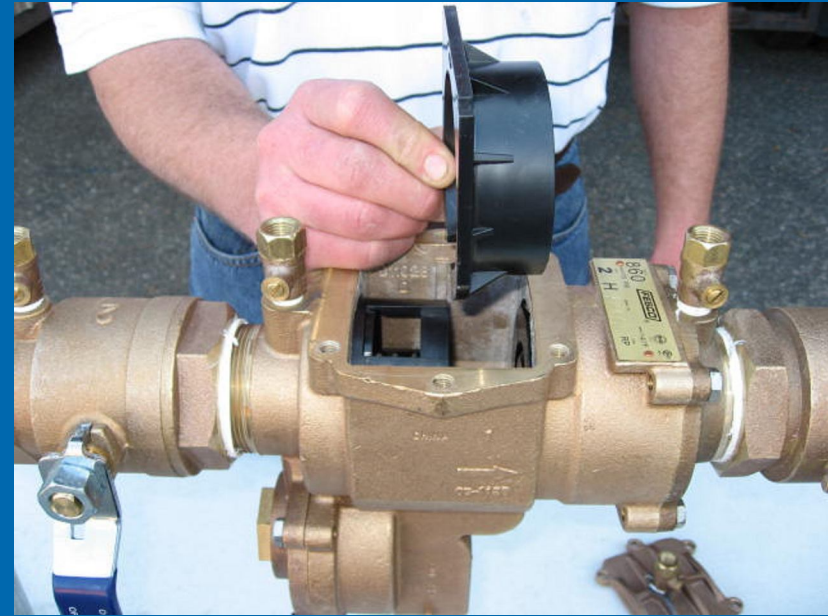
Check Disc Replacement

- Remove retaining screw and disc retainer.



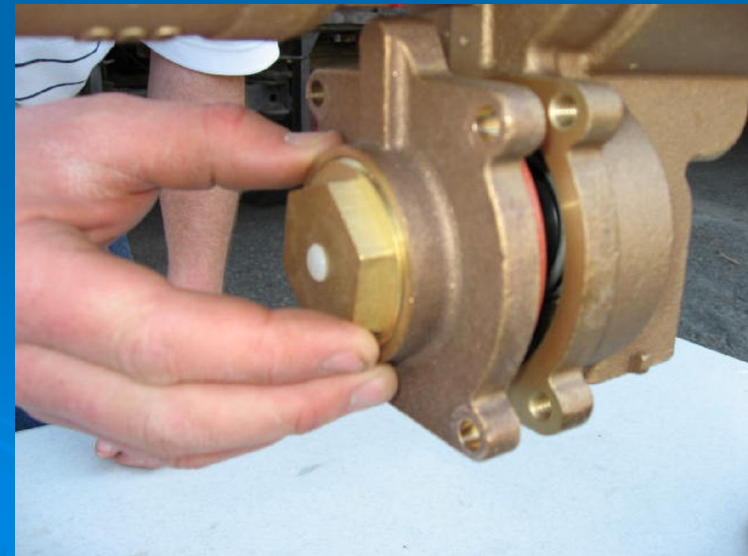
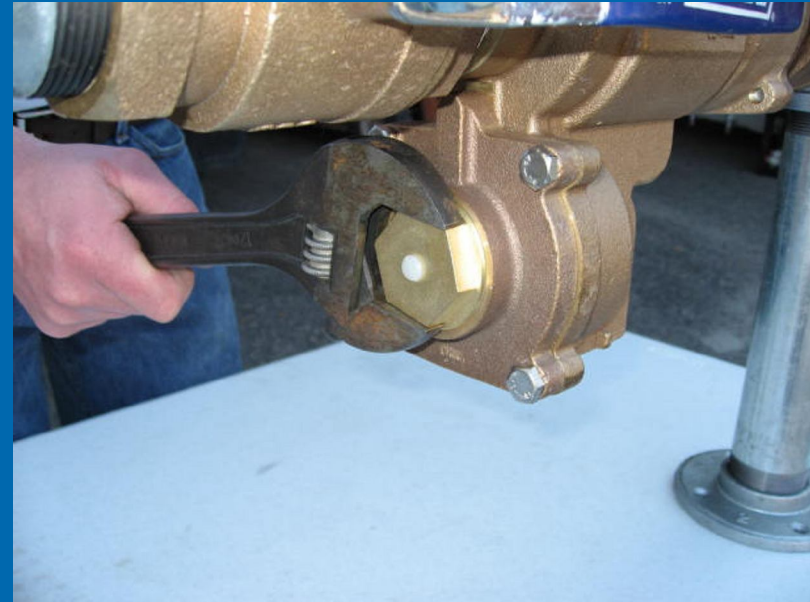
Check Valve Reassembly Notes

- Reassemble in reverse order.
- Lubricate o-rings.
- When replacing check retainer, be sure that the flanged end of the retainer is touching the back side of the #1 check assembly.
- Replace cover with #3 test cock on the upstream side.



RV Cover Removal

- Cover is sealed by the diaphragm.
- Loosen brass cylinder in center of RV cover. (1/4 turn) counter clockwise.
- There is a slight spring load on the cover.
- Hold cover while removing the cover bolts.



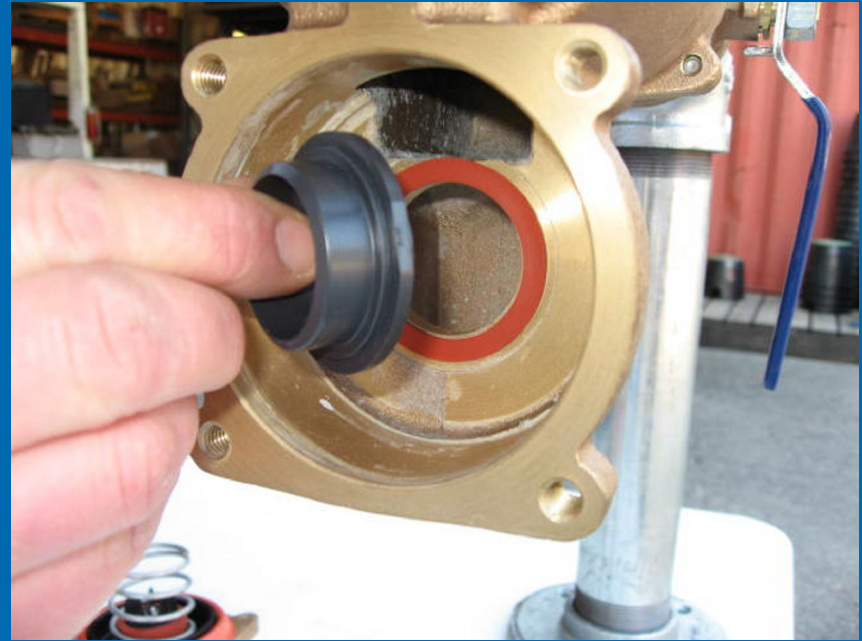
RV Module Removal

- The RV module will be attached to the cover.



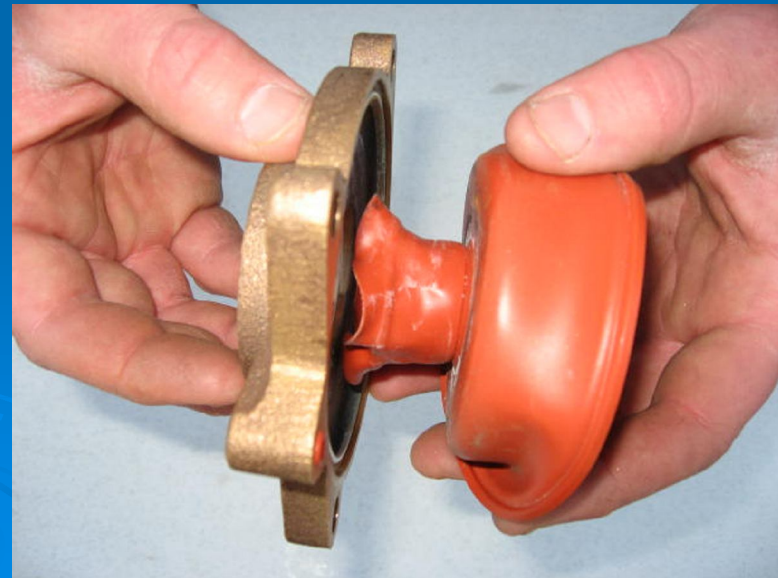
RV Seat Removal

- The RV seat is sealed by a gasket.
- Simply slide the seat out of body.



Disassemble RV Module

- Remove the brass cylinder from the cover.
- Grasp the outer diaphragm and pull away from cover until the small diaphragm comes out through the hole in the cover completely.
- Remove the two slip rings from cover.



Disassemble RV Module

- Unscrew the module by holding the stem retainer with a wrench and the disc guide with the other hand.



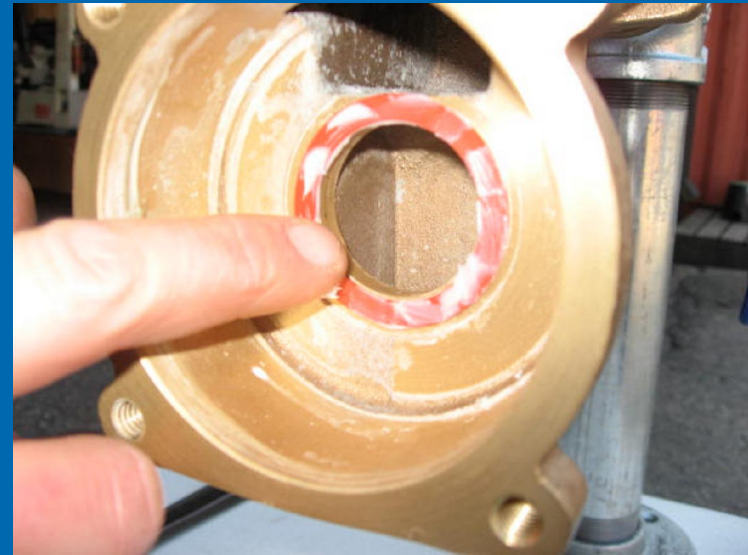
RV Rubber Replacement

- The diaphragm and seat disc are free once the stem is disassembled.
- Reassemble rubber in reverse order.



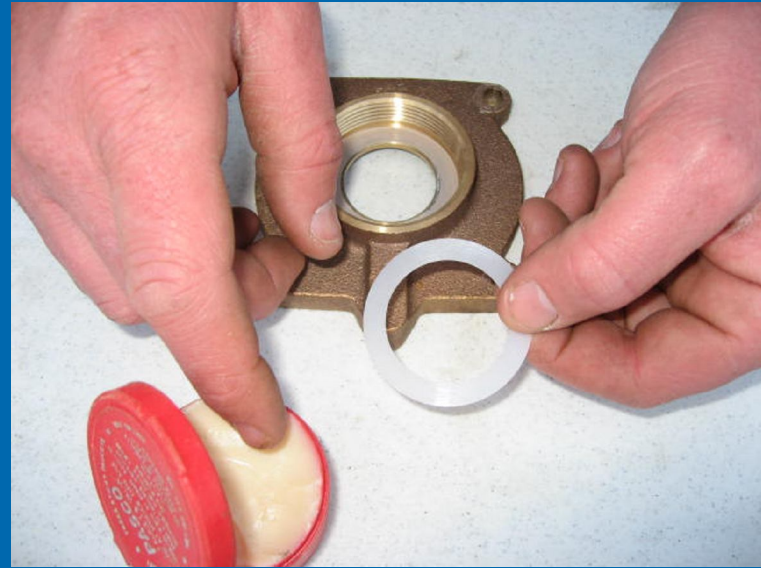
RV Seat Replacement

- Apply lubricant to both sides of the seat gasket. This will help hold it in place.
 - Insert the short end of the seat ring in the vent opening.
- ** The lubricant will help hold the seat in place.



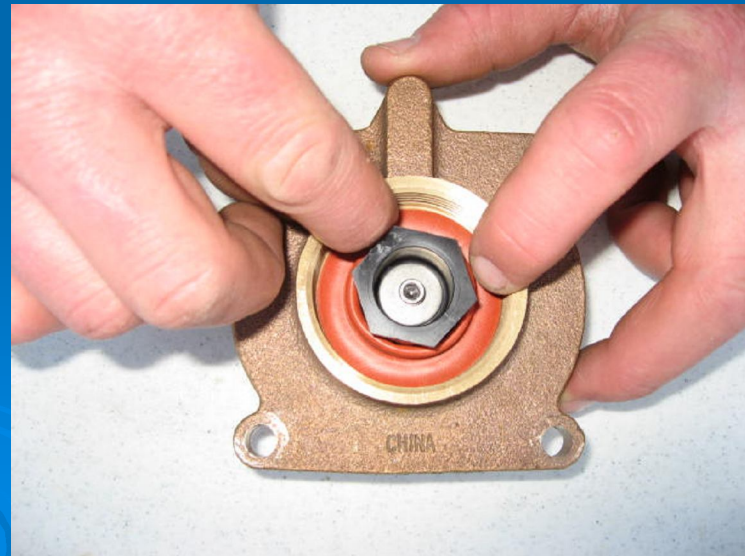
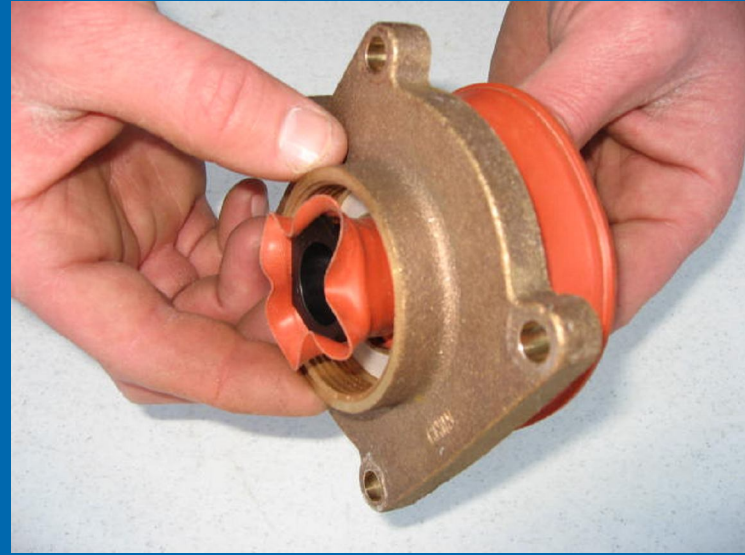
RV Module Reassembly

- Apply lubricant to both sides of one slip ring and insert it in the top of the RV cover.
- Form the small diaphragm into a “tulip” shape.



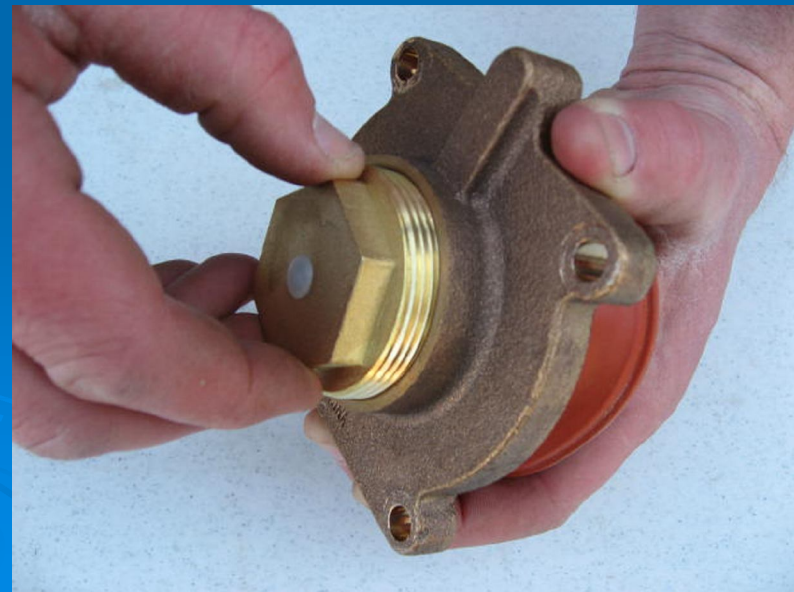
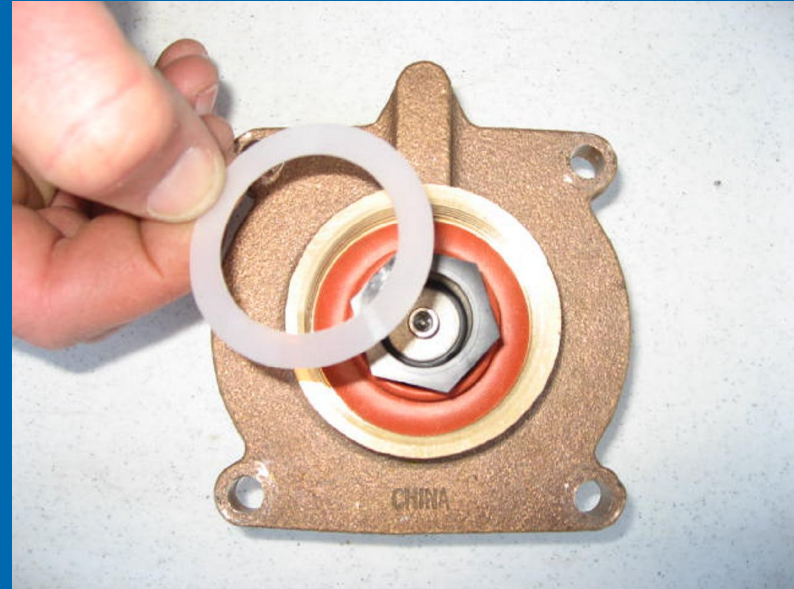
RV Module Reassembly

- Insert the small diaphragm end of the module through the hole in the cover.
- Form the small diaphragm so that it lays flat in the top of the cover.



RV Module Reassembly

- Apply lubricant to both sides of the second slip ring and insert on top of small diaphragm.
- Thread the brass cylinder into the RV cover. (hand tight)



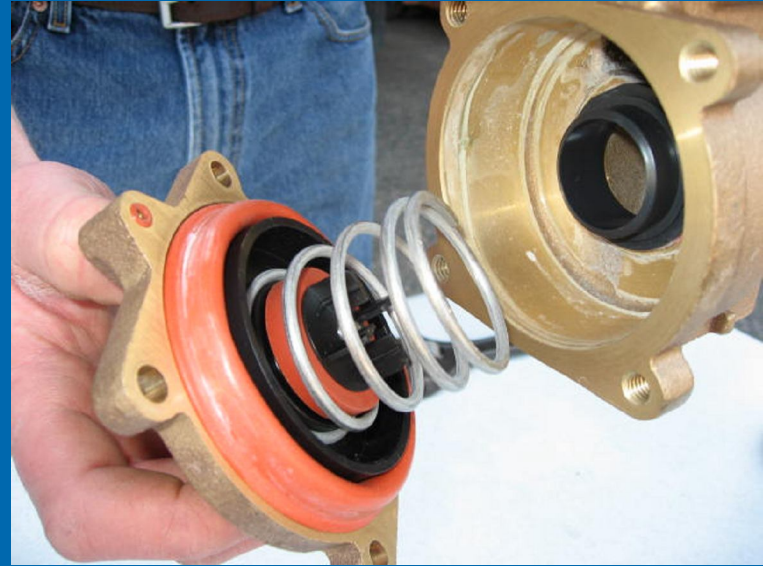
RV Module Reassembly

- Form the large diaphragm so that the bead is properly seated in the bore of the RV cover.



RV Module Reassembly

- Position the spring over the guide on the RV module.
- Check to make sure the sensing line o-ring is in place.



RV Reassembly Notes

- Once cover is bolted and secure, tighten the brass cylinder.

