

375

3/4" - 2"

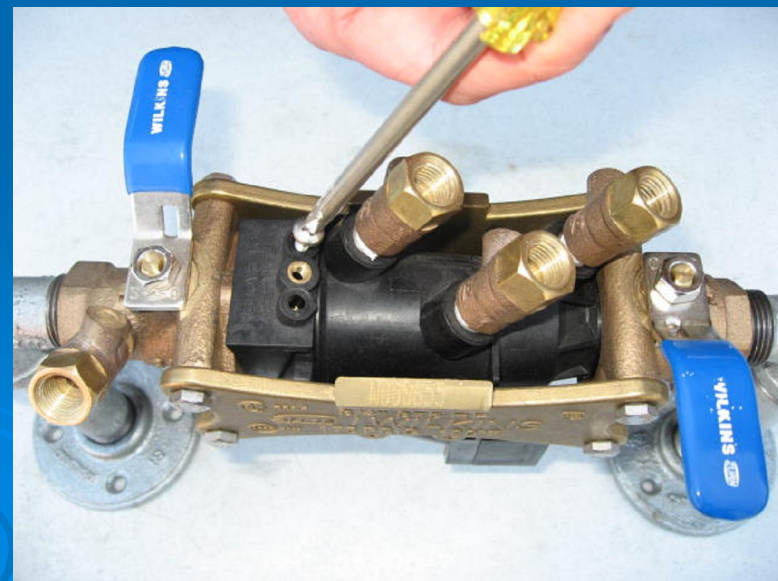
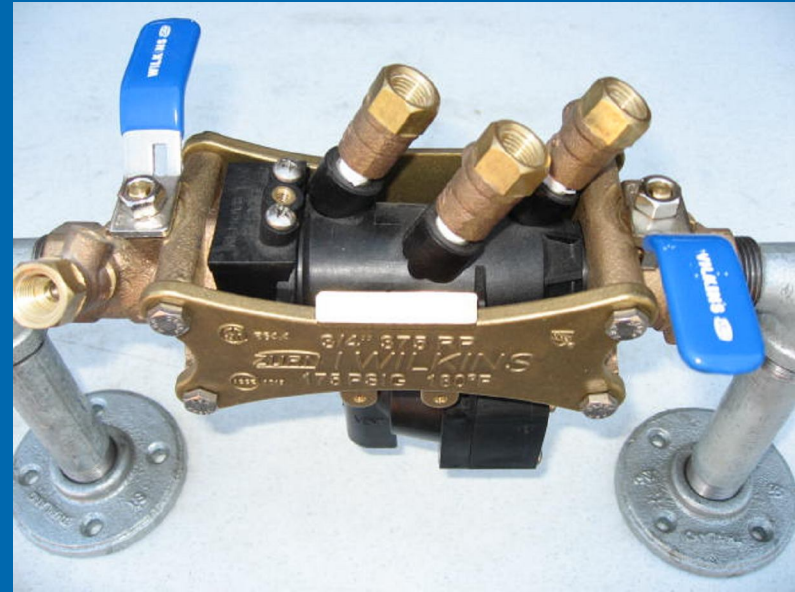


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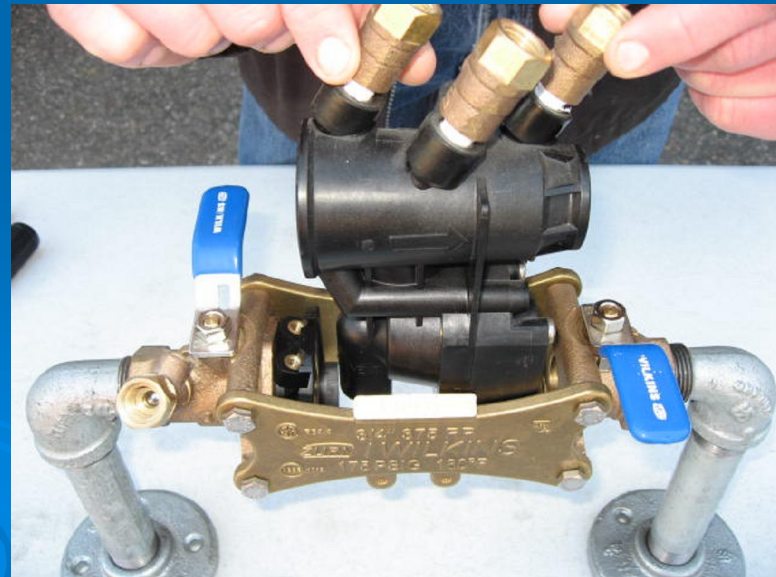
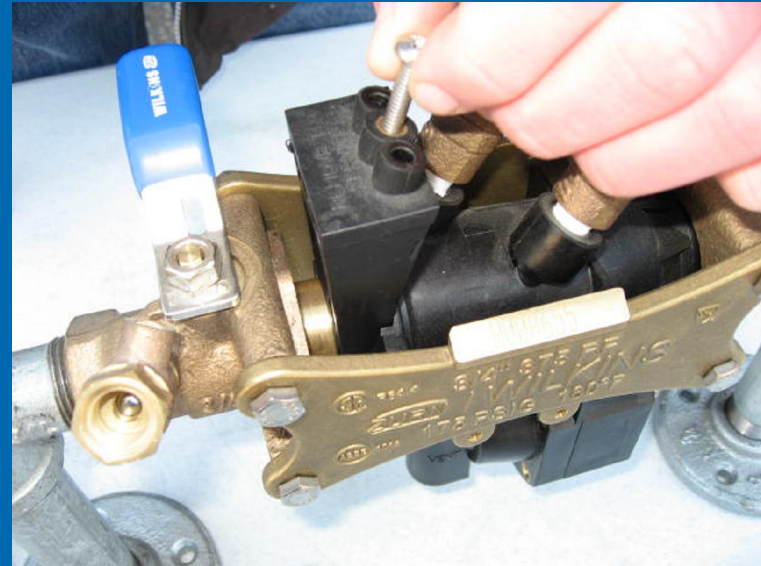
Housing Removal $\frac{3}{4}$ "-1"

- The plastic housing (vessel) must be removed for service.
- There is no spring load.
- Housing is held in place by a wedge and o-ring sealed on both ends.
- Remove wedge screws.



Housing Removal $\frac{3}{4}$ "-1"

- Pull wedge straight out.
- ** Inserting a screw in center hole can help remove stuck wedge.
- Slide housing towards inlet and lift upward.



Check Valve Removal $\frac{3}{4}$ "-1"

- Check valve modules.
- Modules are located inside the housing.
- Modules are sealed by o-rings.
- Both modules slide out of the body inlet.



Disassemble Check Module $\frac{3}{4}$ "-1"

- Modules are spring loaded.
- Holding firmly, twist spring retainer counter clockwise.



Check Seat Removal $\frac{3}{4}$ "-1"

- Check seat is free once the module has been disassembled.
- If the seat is damaged, the entire module must be replaced.



Check Disc Replacement $\frac{3}{4}$ "-1"

- Remove screw, disc retainer, and disc.



Check Valve Reassembly Notes

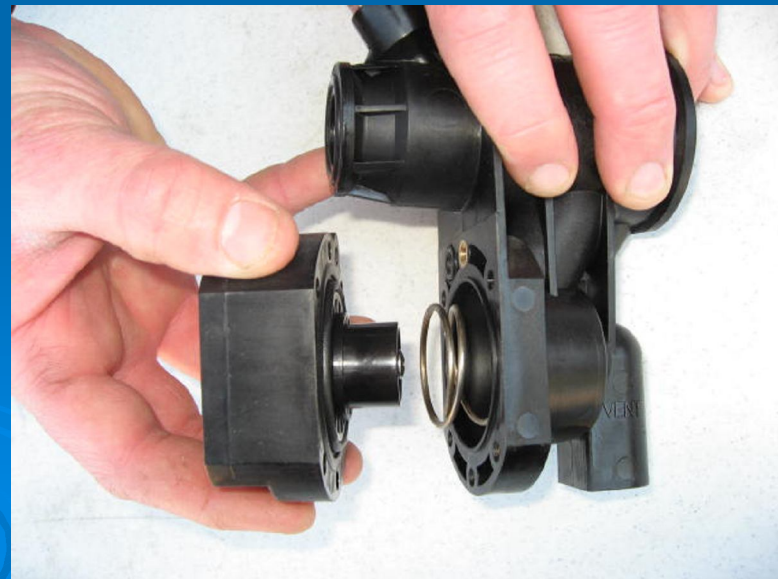
$\frac{3}{4}$ " - 1"

- Lubricate o-rings on modules.
- Drop #2 module in body. Then drop #1 module in and turn until #1 spring retainer lines up with #2 seat.
- Push both modules into housing.



RV Cover Removal $\frac{3}{4}$ "-1"

- RV cover is sealed by the diaphragm.
- There is a slight spring load on cover.
- Hold cover firmly while removing screws.



RV Stem Removal $\frac{3}{4}$ "-1"

- Gently pull the RV stem out of the housing.
- Spring is free once the stem is removed.



RV Seat Removal $\frac{3}{4}$ "-1"

- RV seat is o-ring sealed.
- Pull seat straight out of housing.



Disassemble RV Stem $\frac{3}{4}$ "-1"

- Remove RV retaining screw.
- Pull plunger and disc holder apart.



RV Rubber Replacement $\frac{3}{4}$ "-1"

- The RV disc and diaphragm are free once the stem has been disassembled.
- Reassemble in reverse order.



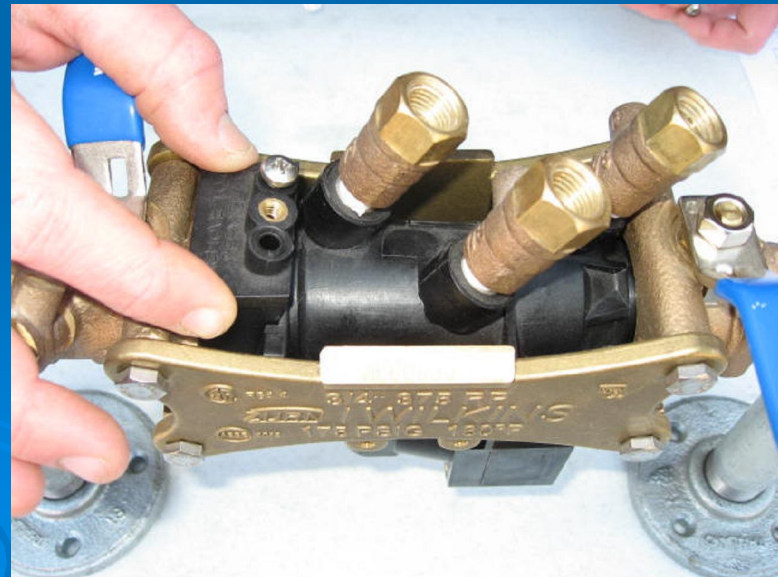
RV Reassembly Notes $\frac{3}{4}$ "-1"

- Lubricate plunger o-ring on stem.
- Insert RV stem into cover.
- Place spring in position over seat.
- Make sure sensing o-ring is in position.
- Insert cover and stem into housing.



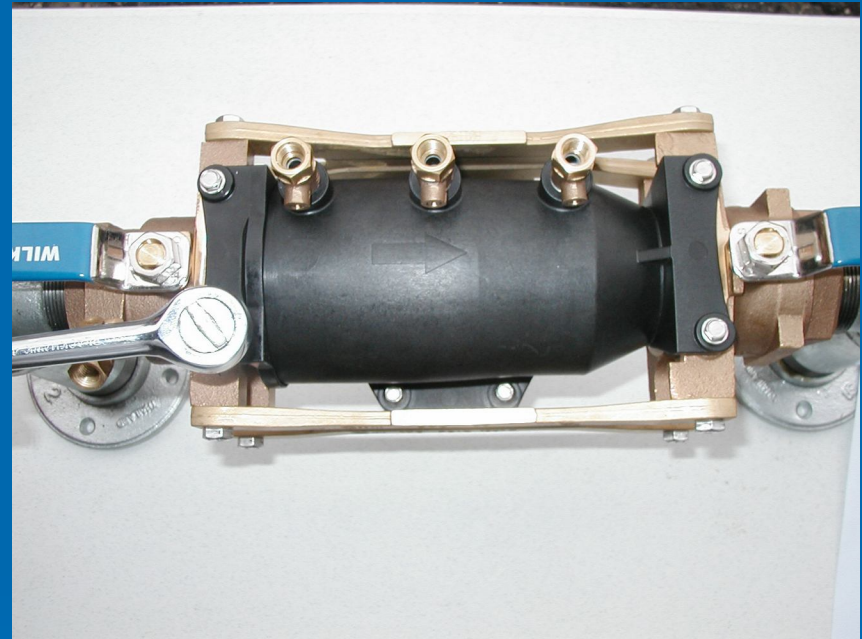
Housing Replacement Notes $\frac{3}{4}$ "-1"

- Lubricate o-rings on inlet and outlet of housing.
- Place housing between struts.
- Slide retaining sleeve downstream against housing.
- Replace wedge and wedge screws.



Housing Removal 1 1/4"-2"

- The plastic housing (vessel) must be removed for service.
- There is no spring load.
- Housing is bolted and o-ring sealed.
- Remove the four housing bolts.
- Lift the vessel up and out



Check Valve Removal 1 1/4"-2"

- The check valves are held in place by a closure sleeve.
- Gently pry the closure sleeve away from the body.
- Both modules must slide out of the housing.
- Use a short blunt object on a flat surface to push against the #2 check.



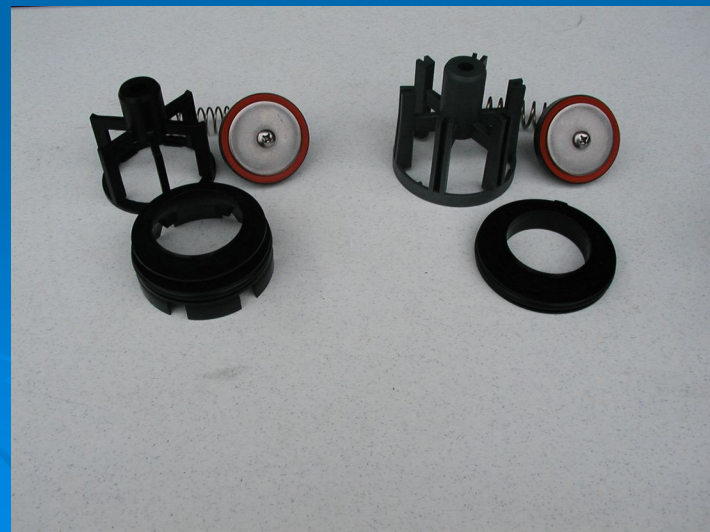
Check Valve Removal 1 1/4"-2"

- Make sure all test cocks are open to break any vacuum.
- Push down on the body to slide the modules out.



Disassemble Check Module 1 1/4"-2"

- Hold the cage firmly and twist the seat counter-clockwise about 1/4 turn.
- Check modules are spring loaded.



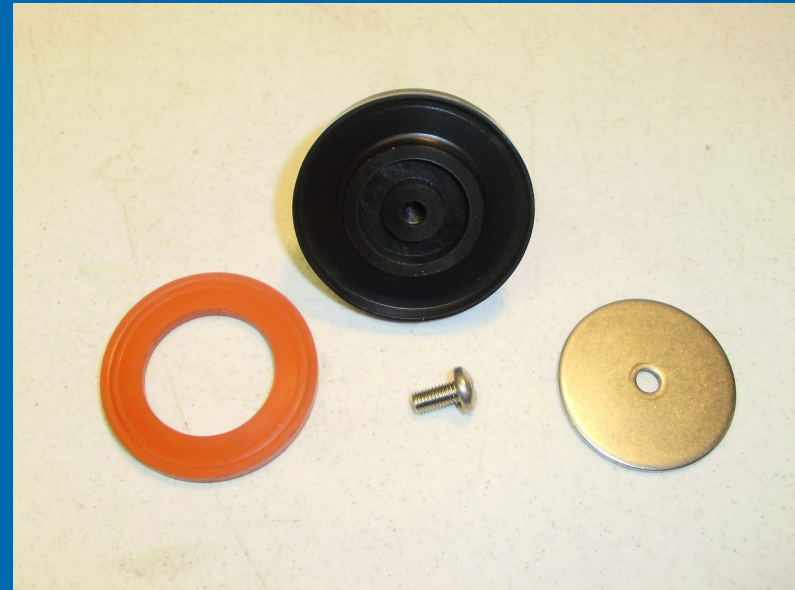
Check Seat Removal 1 1/4"-2"

- Check seat is free once the module has been disassembled.
- If the seat is damaged, the entire module must be replaced.



Check Disc Replacement 1 1/4"-2"

- Remove screw, disc retainer, and disc.



Check Valve Reassembly Notes

1 1/4"-2"

- Lubricate o-rings on check modules.
- #2 check slides into vessel first.
- Insert the #1 check and turn it until the spring retainer lines up with the notches on the #2 seat.
- Push both modules into the vessel.



Check Valve Reassembly Notes

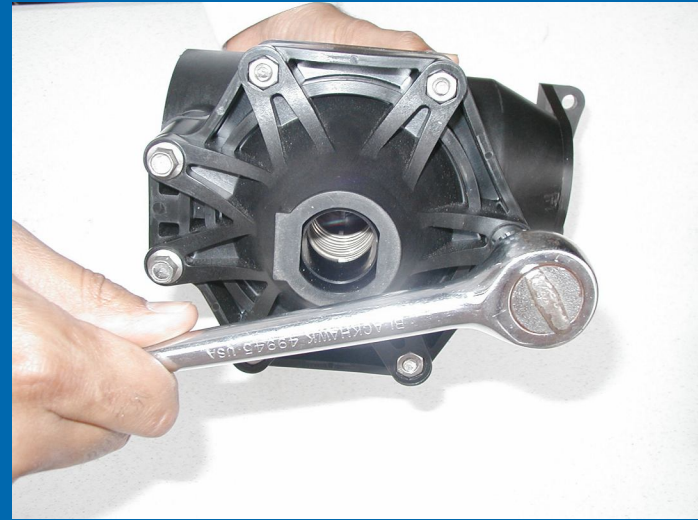
1 1/4"-2"

- Lubricate the o-ring on the closure sleeve and insert against the modules.
- Place on a flat surface and push down with a “rocking motion” until the sleeve seals with the vessel.



RV Disassembly 1 1/4"-2"

- The RV body must be removed from the vessel.
- The RV body is bolted to the vessel and sealed by an o-ring.
- Remove the 3 bolts on the underside of the RV body.



RV Disc Replacement 1 1/4"-2"

- The RV disc is attached to the vessel.
- Remove the retaining screw and washer.



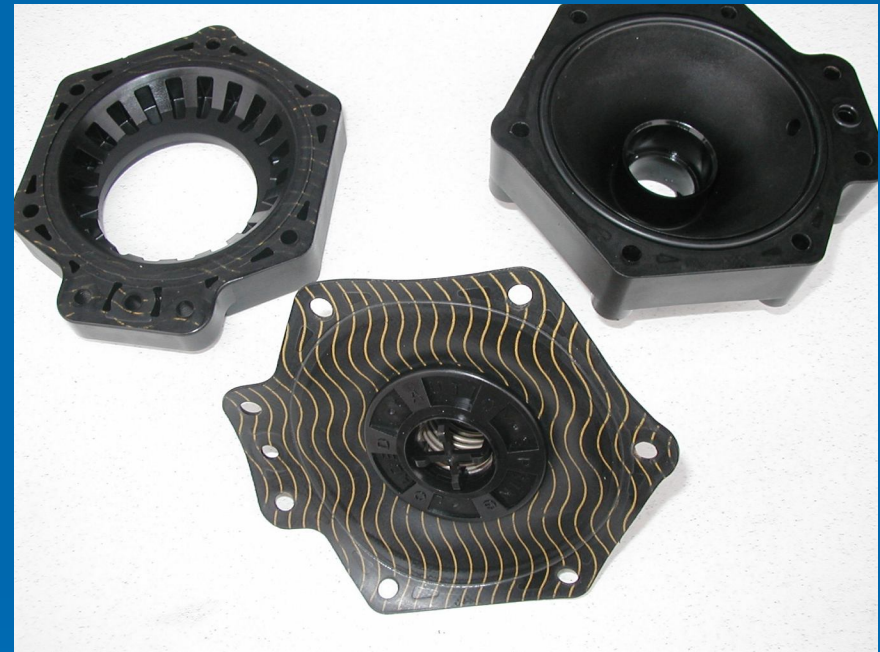
RV Disassembly 1 1/4"-2"

- The RV body is bolted together and sealed by the diaphragm.
- Remove the four bolts.
- Separate the upper and lower RV housing.



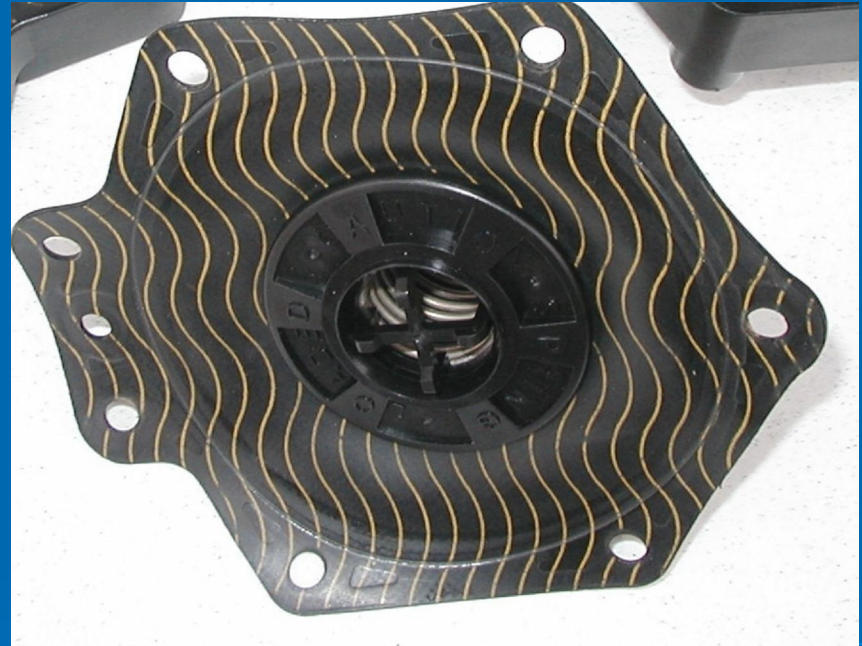
RV Disassembly 1 1/4"-2"

- The RV stem is free once the body is separated.
- * Note: be careful not to lose the sensing line o-rings on each side of the RV body.



RV Seat Removal 1 1/4"-2"

- The RV seat is part of the stem assembly.
- If the seat is damaged, the stem assembly must be replaced.



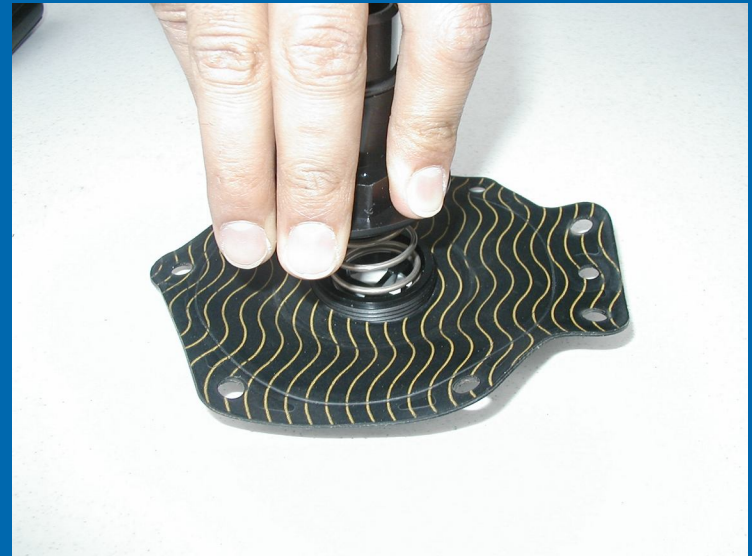
RV Stem Disassembly 1 1/4"-2"

- The RV spring is located inside the stem assembly.
- * Note: The stem assembly is spring loaded.
- Hold the diaphragm firmly with one hand and unscrew the lower stem.



RV Reassembly Notes 1 1/4"-2"

- Reassemble the stem assembly in reverse order.
- * Note: Place seat down on flat surface to help compress RV spring.
- Reassemble RV housing in reverse order.
- Lubricate housing o-ring.
- Install RV housing to vessel.
- Secure 3 housing bolts.



Housing Replacement Notes

1 1/4"-2"

- Lubricate both of the vessel o-rings.
- Rock the vessel from side to side as it slides into position.
- * Note: Make sure o-rings stay in their groove.
- Vessel must be in position completely before replacing retaining bolts.

