

IMPORTANT: Before attempting repair on the valve, be sure to completely depressurize the system by removing fluid through a PT port, flush port, or other drain port.

Tools Required:

- Flo-Link Composite Valve Repair Kit P/N 2938
- Soft face mallet
- Socket Wrench with 3/8" Drive and Extension
- Small flat head screwdriver
- Clean cloth
- O-Ring Lubricant

Preparing Valve for Removal:

1. Seat spool by lightly tapping with a soft face mallet.
2. Remove retaining ring with small flat head screwdriver.

Valve Removal Instructions:

3. Remove valve spool by "spiraling" the spool out with a 3/8" socket drive. This is accomplished by slightly side-loading the wrench while simultaneously rotating it 360°.

O-Ring Removal:

4. Pinch around the circumference of both top and bottom O-rings to form a raised section. Grasp the raised portion and remove.
5. CAREFULLY remove the side port O-ring by removing the retainer with a small Phillips head screwdriver.
6. Thoroughly clean the spool and inside of the valve body with a clean cloth to remove debris.



Step #1



Step #2



Step #3



Step #4



Step #5



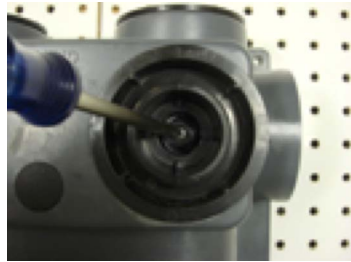
Step #6

O-Ring Replacement:

7. Replace side port O-ring and replace retainer making sure to align properly. Carefully tighten retaining screw until snug.
8. Replace both top and bottom O-rings and lubricate all O-rings with petroleum jelly.
9. Replace the spool with the side port O-ring oriented opposite to the flush port. Seat spool by lightly tapping with a soft face hammer.
10. Replace retaining ring. BE SURE THAT THE RING IS FULLY SEATED. Check this by using the 3/8" socket wrench to rotate the spool 360° as done in Step #3.

Troubleshooting:

If side port drips when pressurized and shutoff, loosen the side port O-ring retaining screw, and re-tighten. This allows the O-ring to properly seat against the sealing surface.



Troubleshooting



Step #7



Step #8



Step #9



Step #10