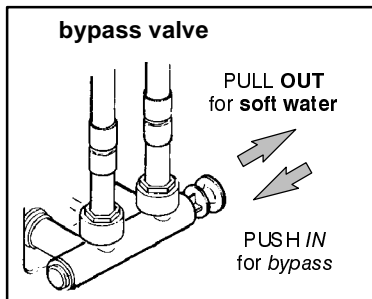


# REPLACEMENT RISER TUBE O-RING KIT INSTALLATION INSTRUCTIONS

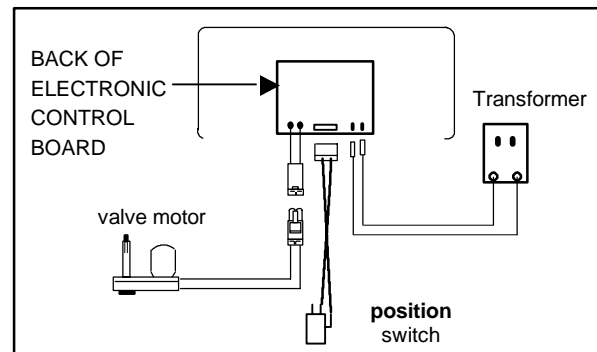
Note: Before attempting to replace the tank/valve o-rings, close the shut off valve on the house main water line, near the water meter or pressure tank. Open a nearby conditioned water faucet to vent pressure from the unit. Unplug the transformer from electrical power.

1. Push the bypass valve stem in for bypass. **Figure 1.**
2. Remove the salt hole cover and set aside.
3. Slide the top cover forward to expose valve.
4. Carefully disconnect wiring harness from position switch. **Figure 2.**
5. Carefully unplug the motor terminals from the back of the electronic control board. **Figure 2.**
6. Set top cover aside.
7. Carefully remove the large retainer clips on the softener inlet and outlet. Separate the water softener from the bypass valve.
8. Disconnect brine line from nozzle and venturi by loosening the nut ferrule. Set aside. **Figure 3.**
9. Remove retainer clips and clamps from around the tank neck. Set aside. **Figure 4.**
10. Remove valve from the resin tank. **Figure 4.**
11. Remove old o-rings from top distributor and riser pipe. **Figure 4.**
12. Lift top distributor out of tank neck. Be careful not to pull the riser pipe up when this is done. Remove o-ring. **Figure 4.**
13. Lubricate with included silicone grease and insert new 2-3/4" x 3" (thin o-ring) onto bottom of top distributor. Push distributor back down into tank neck. **Figure 2.**
14. Lubricate remaining o-rings with included silicone grease and insert 2-7/8" x 3-1/4" (thick o-ring) onto top of distributor. Locate 13/16" x 1-1/16" o-ring at top of riser tube **as shown in Figure 4.**
15. With all o-rings lubricated and top distributor in place in the top of the tank, check riser tube height. It should be about even with the top edge of the top distributor. **Figure 4.**
16. Be sure that all parts are clean and free of resin beads or other debris, including bottom of the valve. Lightly lubricate the o-ring sealing surface on the inside of the port, at the bottom of the valve. **Figure 4.**
17. Locate the distributor o-ring at the very top of the riser pipe as shown in **Figure 4.** DO NOT SLIDE IT DOWN TO REST AGAINST THE TOP DISTRIBUTOR.
18. Carefully lower the valve assembly onto the tank, aligning with the riser pipe, and work over the o-ring and onto the adaptor. Then clamp in place. **Figure 4.**
19. Reconnect brine line to the end of nozzle and venturi by hand tightening the nut ferrule. DO NOT OVERTIGHTEN. **Figure 3.**
20. Carefully reconnect the water softener valve inlet and outlet back together with the bypass valve. Attach with large retainer clips.
21. Reconnect wiring harness to position switch and motor terminals to the back of the electronic control board. Slide the top cover over the valve, and replace the salt hole cover. **Figure 2.**

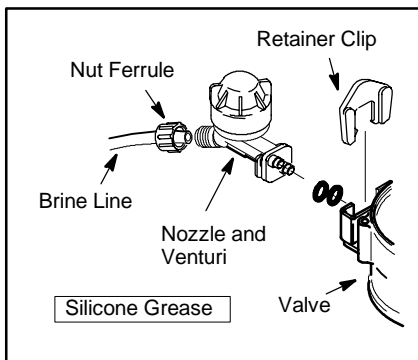
22. Fully open the main water supply valve. Observe a steady flow of water with no air bubbles.
23. SLOWLY MOVE THE BYPASS VALVE STEM TOWARD THE SOFT WATER POSITION, PAUSING SEVERAL TIMES TO ALLOW UNIT TO PRESSURIZE. **Figure 1.**
24. After about three minutes, open a hot water faucet for about one minute, or until all air is expelled, then close.
25. Close all cold water faucets and check your plumbing connections for leaks.
26. To verify proper function of the softener, complete the manual advance diagnostics as outlined in the **Installation/Operation manual.**



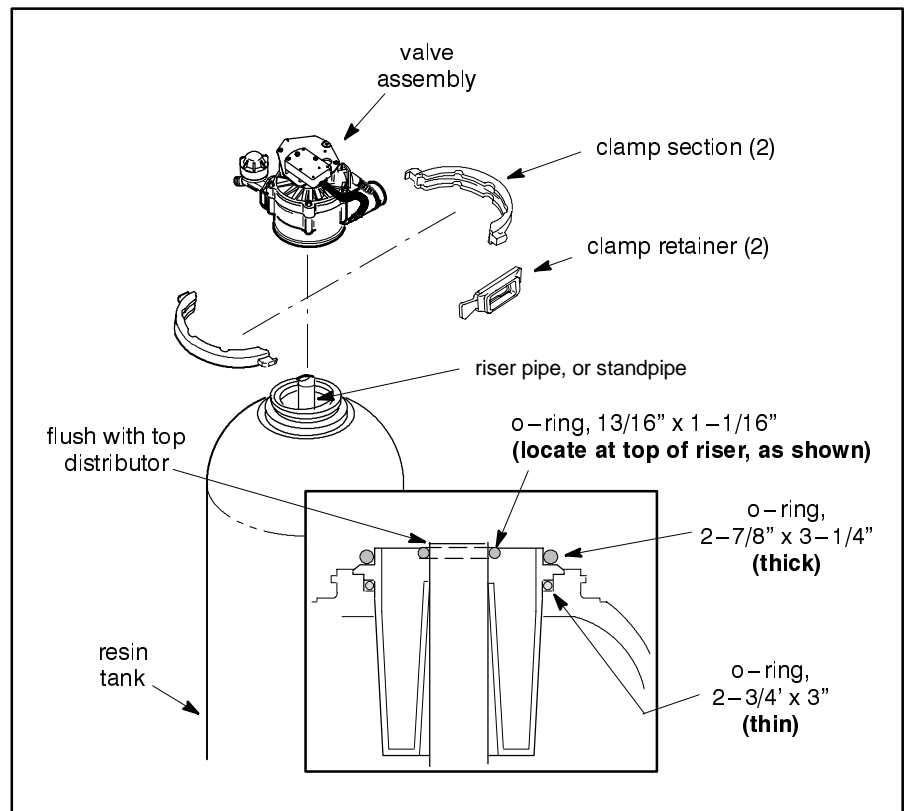
**Figure 1**



**Figure 2**



**Figure 3**



**Figure 4**