

## **A2114-KIT: Hydrant Master/5-Way Manifold Valve Seat Replacement Service Procedure**

### **Tools Required**

3/16" Allen Wrench and a Pointed Pick. Optional Spanner Wrench.

### **Parts Required**

A2114-KIT Hydrant Master/5-Way Manifold Seat Kit. Kit Contents: Valve Seat, #250 and #252 O-Rings, Silicone Grease, and Blue Loc-Tite.

**Step 1)** Using the 3/16" Allen wrench, remove the socket head screw that retains the outlet of the unit. (In some cases the removal of this screw may be eased by first removing the coupling. Refer to Video LTV-610, How to Change LDH Couplings, in the Service Procedures section of the Library at [www.tft.com](http://www.tft.com) Tool THA-401 will be required to remove the coupling).



**Step 2)** Once the screw has been removed then the outlet can be unscrewed from the valve body by hand or by using a spanner wrench.



**Step 3)** Remove the valve seat from the unit using the pointed pick. When the outlet was removed from the unit the o-ring either stayed in the unit or came out with the outlet. Locate and remove.



**Step 4)** Wipe away any debris and inspect the leading edge of the valve plunger for damage. If damage is clearly evident the plunger may need to be replaced.



**Step 5)** Lightly grease the #250 O-Ring that is installed on the seat. Install the new seat with the rounded edge facing toward the valve plunger.



**Step 6)** Using the grease included in the kit, grease the o-ring grooves where indicated in the photo. Install the o-ring on the outlet. (Do not install the o-ring in the unit first as the o-ring will likely be damaged during re-assembly.) Grease over the o-ring and the threads of the outlet fitting.



**Step 7)** Thread the outlet into the unit until it bottoms out. Use of the spanner wrench may be necessary. Once it bottoms out back it out slightly until the first available concave scallop aligns with the threaded hole in the bottom of the casting.



**Step 8)** Apply blue loc-tite to the 3/16" screw that was removed in step one then; thread it into the hole in the bottom of the casting until hand tight.



**Step 9)** Leak test – Hook the valve to the appropriate appliance either a hydrant or a hose. Before pressurizing the unit; insure that the valve is in the closed position. Do not attach hose to the outlet of the appliance, this will allow for visual inspection of the seat. Pressurize the unit to approximately 50 lbs. Inspect the seat and outlet area for leaks. If no leaks are present shut down the water supply source and bleed the pressure.

**Refer to the owners manual for safe operation instructions; 5-Way Manifold (LIA-535) and Hydrant Master (LIA-520).**