Benjamin Sheridan
Soldered Valve
Repair Instructions

1. Remove stock assembly from action/barrel assembly by removing the receiver stock screw #12.

2. In order to replace the rubber piston head #5 you must first remove the piston rod assembly #6. To do this, the roll pins #2 must be tapped out and the muzzle cap #1 removed. Now, you can line up the pin holding the pump handle in with the roll pin hole and punch that out too #4. Now remove the piston rod and pull the old rubber piston head off and replace with new rubber piston head. Do not reassemble until you have completed step 3.

Next step is to remove the valve assembly.

3. Remove the retaining cap assembly #40. It is located at the back of the action behind breech. Once you have removed this cap you will be able to remove the spring, guide and hammer (#32,#33 and #34) to access the tube and remove your valve assembly. There were several designs as far as safety and trigger configurations. Special care is needed to be sure that this is disassembled in a way that nothing is lost i.e. springs and small parts. The rocker safety design on these directions requires a pin to be removed to get the trigger out of the way, 37 + 38 will fall out when doing this. For getting the parts out of the Soldered Valve body you need to insert the square end of the metal valve tool (supplied with the kit) into the tube. It will fit into the valve guide retaining nut #29.

Unscrew this nut using punch or tool as as a t-handle. Once unscrewed and removed, flip tool over and thread the end over the valve guide #28 and use wrench to pull guide and assembly out of tube. You can now replace old parts with new. The parts in your kit have been circled on the drawing. They are #30,#23,#31,#27*,#5 19.
#30 is now made of teflon as the part has been discontinued by the manufacturer.

5. After all parts have been replaced you can reassemble your rifle.