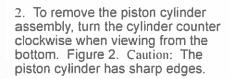
INSTALLATION INSTRUCTIONS

PISTON PUMP REPAIR KIT (# 0610407-K)

Tools needed for kit installation: 6mm Allen Head Wrench, Flat Screwdriver, 11mm Wrench or Cresent Wrench, Long Nose Pliers, Hammer, 13mm Socket or Wrench, T-25 Torx Screwdriver, Grease or Petroleum Jelly, 2X4 Piece of wood 18" long

1. Using a 13mm socket wrench remove the handle bolts, and set aside. Lay unit on its back with pump assembly facing you. See figure 1. Loosen hose clamp (E). Pull off sprayer hose. Caution: There may be liquid inside the hose and pressure cylinder even when the tank is empty. Wear protective gloves. Next, remove the nut and bolt from protective cap, and remove cap (C). Rotate the pump shaft to access the two lever bolts in the center (B). Using a 6mm allen head wrench, remove them. Pull the piston (F) out of the piston cylinder (D).



- 3. Check the inside of the piston and cylinder for scratches. If the piston or cylinder are scratched, replace. Figure 3.
- 4. To remove connecting rods from the piston and lever, insert a flat tip screwdriver between the two connecting rods and twist. Figure 4.
- 5. With the new piston, place the two connecting rods over the studs on the inside of the piston. Place the lever studs into the connecting rods and snap together with your fingers. Figure 5.
- 6. To replace the Viton® collar, push it off the top of the piston with your thumb. Figure 6. Install the new collar on the piston onto the form fitted sides.
- 7. Remove the valve plate and O-rings from the outside of the piston cylinder. Install the new valve plate and the two O-rings making sure the O-rings seat in the grooves. Finally, inside the piston cylinder you will find a second valve plate. Using needle nose pliers, pull out the red or orange pin and remove the valve

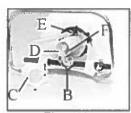


Figure 1.



Figure 2.



Figure 3.



Figure 4.



Figure 5.

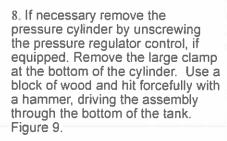


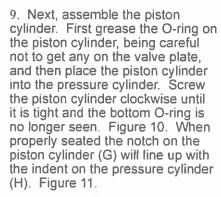
Figure 6.



Figure 7.

plate. Figure 7. Install a new valve plate and firmly reseat the retaining pin using needle nose pliers. Figure 8.





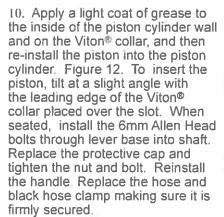




Figure 8.



Figure 9.



Figure 10.



Figure 11.



Figure 12.

Note: Always wear rubber gloves, safety goggles and appropriate protective clothing when repairing a sprayer. Work in a well-ventilated area. Prior to repair, flush unit with water by filling, then spraying the water into an appropriate container or area. Ensure that all pressure is released by locking the shut-off valve in the open position. Once a repair is completed, fill the unit with clean water, pressurize, and check for leaks. If the sprayer leaks, DO NOT USE. Repair leaks and recheck.