SERVICING THE JK INJECTION SYSTEM

When finished using you injection tool for the season, the tool needs to be thoroughly cleaned and checked for wear or damaged parts. The piston seals should also be re-lubricated at this time.

To check the front valve (located in the brass tube just behind the coupler)
1. Fill the canister with water.
2. Disconnect any needle in the coupler and store in the plastic vile.
3. Place the lid back on the canister and pull the trigger.
4. While pulling the trigger, look to see if the water shoots straight out of the coupler or off to an angle. If the water shoots off to an angle, the valve has dirt, grass particles or a buildup of herbicide residue. In this case, the valve should be replaced.

To replace a front valve;
1. Grasp the brass tube with a pair of pliers and unscrew the tube from the gun housing.
2. Holding the tube with the pliers, take a 9/16th wrench, loosen and remove the coupler.
3. Remove the valve in the tube with a screw driver. Place the screw driver into the open end of the tube and push to force the valve out.
4. Insert new valve into the tube. Push down slowly to seat the valve about 1/8th inch from end of tube.

To disassemble the injection tool;
1. Remove canister and four Allen head screws.
2. Separate gun and remove cylinder.
3. While holding the piston in position (located in the cylinder), push out trigger steel pin. Release the tension slowly because the cylinder is under spring tension.
4. Once the piston is removed, clean and check the cylinder wall for scratches and cracks. If either is present, it should be replaced.
5. Once the trigger is removed from the cylinder, replace the adjustment screw with the new Nylock screw.
6. Check both seals for wear and tear. Replace if necessary.
7. Grease both seals and fill the cavity between the seals with grease.
8. Ready for reassembly. When finished, make sure the spring in the cylinder is centered in the cylinder base.
9. Oil the collar on the quick disconnect.