

## CHART 1

No. on Air Cap Order →	Air Cap with Ret. Ring (Ref. No. 1)	Fluid Needle Used With Fluid Tip →	Fluid Tip No.	Tip Size I.D.	
				in.	mm.
215	SRI-407-215	SRI-37	SRI-2-08-K*	.031	0.8
		SRI-3	SRI-2-10-K*	.039	1.0
		SRI-3	SRI-2-12-K*	.047	1.2

\*Includes (1) SRI-6 fluid tip seal.

## PREVENTIVE MAINTENANCE

To clean air cap and fluid tip, brush exterior with a stiff bristle brush. If necessary to clean cap holes, use a broom straw or toothpick if possible. If a wire or hard instrument is used, extreme care must be used to prevent scratching or burring of the holes which will cause a distorted spray pattern.

To clean fluid passages, remove excess material from cup, then flush with a suitable solvent. Wipe gun exterior with a solvent dampened cloth. Never completely immerse in solvent as this is detrimental to the lubricants and packings.

## NOTE

When replacing the fluid tip or fluid needle, replace both at the same time. Using worn parts can cause fluid leakage. See Chart 1. It is recommended that the fluid tip seal (5) is replaced whenever the fluid tip is removed. Also, replace the needle packing at this time. Lightly lubricate the threads of the fluid tip before reassembling. Torque to 6-7 ft-lbs. Do not over-tighten the fluid tip.

## CAUTION

To prevent damage to fluid tip (4) or fluid needle (10), be sure to either 1) pull the trigger and hold while tightening or loosening the fluid tip, or 2) remove fluid needle adjusting screw (12) to relieve spring pressure against needle collar.

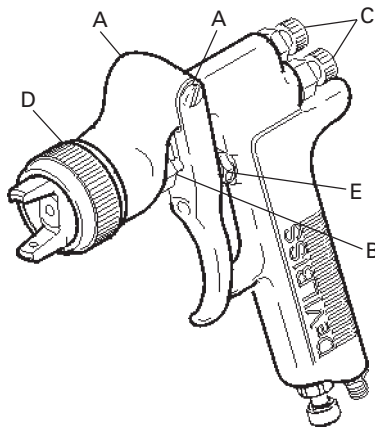
## SPRAY GUN LUBRICATION

Daily, apply a drop of SSL-10\* spray gun lube at trigger bearing stud (19) and the stem of air valve (15) where it enters air valve assembly. The shank of fluid needle (10) where it enters packing nut (9) should also be oiled. Fluid needle packing (9) should be lubricated periodically. Make sure gun threads and retaining ring (2) threads are clean and free of foreign matter. Before assembling retaining ring to gun, clean the threads thoroughly, then add two drops of SSL-10 spray gun lube to threads. Fluid needle spring (11) and air valve spring (14) should be coated with a very light grease, making sure that any excess grease will not clog the air passages.

\* Not for air tools or high RPM equipment.

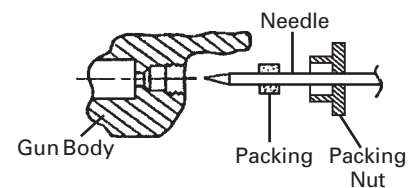
For best results, lubricate the points indicated, daily.

- A. Trigger Points
- B. Packing
- C. Adjusting Knobs
- D. Gun Threads
- E. Air Valve Cartridge



## PARTS REPLACEMENT

## SRI-411 Packing Replacement Instructions



1. Remove adjusting knob and needle spring from gun.
2. Partially withdraw needle from gun body.
3. Loosen packing nut and remove.
4. Remove old packing.
5. Assemble packing nut to needle
6. Assemble packing in order shown to needle.
7. Insert needle all the way into gun body seating in tip.
8. Install needle spring and adjusting knob.
9. Thread packing nut into gun body.
10. Tighten packing nut in equal increments - no more than 1/6 turn at a time.
11. After each adjustment, pull needle open and observe needle closure.
12. If needle snaps shut, continue adjusting nut until there is evidence of needle bind or slow closing.
13. Back off packing nut 1/12 turn or less to the point where needle snaps shut. Packing nut must remain tight enough to prevent loosening by hand.
14. Pull needle several times to verify needle snaps shut and check packing nut for looseness.