



# Field Lubrication Procedure

Nozzles With A Flow Range Of: 10-100 / 10-125 / 50-250 / 50-350  
Manufactured Prior To 2004

All Task Force Tips' nozzles are factory lubricated with high quality silicone grease. This lubricant has excellent wash out resistance and long term performance in firefighting nozzles. If your department has unusually hard or sandy water, the moving parts of the nozzle may be affected. Foam agents and water additives contain soaps and chemicals that may break down the factory lubrication.

The moving parts of the nozzle should be checked on a regular basis for smooth and free operation, and for signs of damage. **IF THE NOZZLE IS OPERATING CORRECTLY, THEN NO ADDITIONAL LUBRICANT IS NEEDED.** Any nozzle that is not operating correctly should be immediately removed from service.

The field use of Break Free CLP (spray or liquid) lubricant will help to restore the smooth and free operation of the nozzle. However, these lubricants do not have the washout resistance and long-term performance of the silicone grease. Therefore, re-application of Break Free CLP will be needed on a regular basis. **CAUTION:** Aerosol lubricants contain solvents that can swell O-Rings if applied in excess. The swelling can inhibit smooth operation of the moving parts. When used in moderation, as directed, the solvents quickly evaporate without adversely swelling the O-Rings.

The nozzle can be returned to the factory for a complete checkup and re-lubrication with silicone grease.

## PART ONE — COUPLING DOWN

Position the nozzle at a 45-degree angle with the COUPLING end down. CLOSE the valve handle and set the pattern to STRAIGHT STREAM. Then spray a 5-second burst into these areas:

### #1 FRONT PATTERN CONTROL SEAL

Spray in between the pattern control and the barrel.

### #2 PRESSURE CONTROL UNIT (50-350 gpm)

Spray down the center of the end screw.

### PRESSURE CONTROL UNIT (50-250 GPM)

- Place selector Knob in Standard Position. Spray lubricant into the holes in Knob.  
**NOTE:** Knob must be in low position to use the check sticks to assist in working lubricant into the pressure control. This will help prevent damaging the shield.
- Spray lubricant onto face of Standard/Low Pressure label. Cycle knob.

### #3 FRONT SLIDER SEAL

- Rotate shaper into FLUSH position.
- Spray down the front end of the nozzle to dribble lubricant into the clearances between the shaper and the valve body.

While holding nozzle at the angle, wait 30 seconds for the lubricant to penetrate into the clearances. Cycle the valve handle and rotate the shaper from straight stream to full flush several times, and then proceed to the next section.

## PART TWO — COUPLING UP

Position the nozzle at a 45-degree angle with the BUMPER end down. OPEN the valve handle and set the pattern to FLUSH. Spray a 5-second burst in these areas:

### #4 REAR SHAPER SEAL

Spray down the clearance between the label and the shaper guide.

### #5 REAR SLIDER SEAL

Spray into the clearance between the slider and the valve body.

### #6 FLUSH MECHANISM SEAL

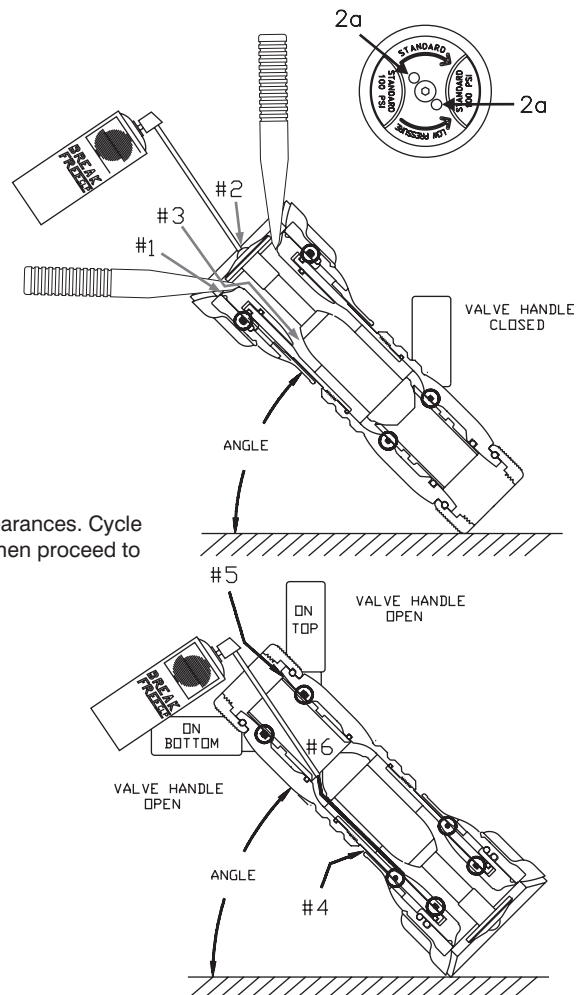
- With the handle on the top, spray down into the nozzle. The aerosol extension tip will help direct the spray into clearances leading to the O-Ring.
- Rotate nozzle so the valve is on the bottom and spray another 5-second burst.

### #7 DETENTS IN THE HANDLE

Spray a small amount on the detent followers located in the handle.

While holding nozzle at the angle, wait 30 seconds, then cycle the valve handle several times. Rotate the pattern control from straight stream to full flush several times. The pattern control should move freely and easily. The barrel cone should move forward to within 1/16" of the baffle before the shaper reaches straight stream position. Wipe off excess lubricant.

**IF THIS PROCEDURE DOES NOT RESTORE SMOOTH AND FREE OPERATION OF ALL THE MOVING PARTS, THEN FACTORY SERVICE IS NEEDED. • 24-HOUR HOT LINE — 800-348-2686 • www.tft.com**



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