

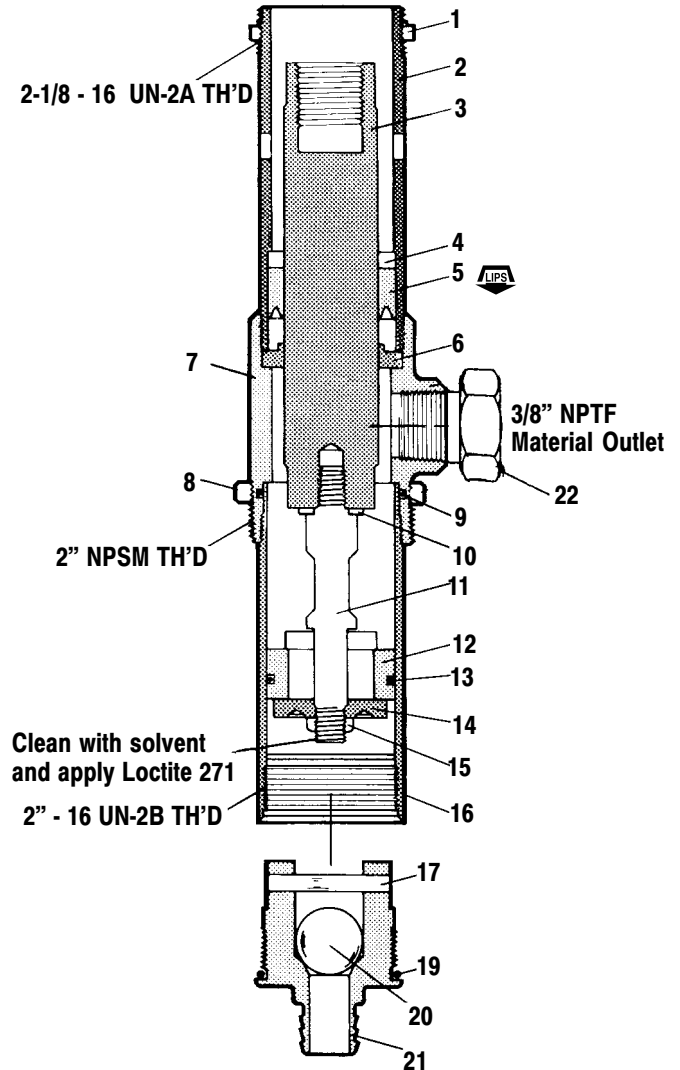
637001 PACKING SERVICE KIT

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- ◇ SERVICE KIT: Includes items 4, 5, 6, 9, 12, 13, 19. This kit will service Lower Pump Ends 61371-1, 61480-1.

LOWER PUMP END PARTS LIST

ITEM	DESCRIPTION	Qty	Part No.
◇	SERVICE KIT PARTS		637001
1	Locknut	1	90606
2	Spacer Tube	1	76048
3	Plunger	1	90615
◇ 4	Washer	1	77398
◇ 5	Packing	1	77744
◇ 6	Gasket	1	76748
7	Pump Body	1	65793-2
8	Locknut	1	76248
◇ 9	"O" Ring (2.129" o.d.)	1	77361
10	Lockwasher (1/2")	1	Y14-816-T
11	Rod	1	76045
◇ 12	Cup	1	77265
◇ 13	"O" Ring (3/16" x 1-7/8" o.d.)	1	Y325-325
14	Retaining Nut	1	76046
15	Nut (7/16" - 20)	1	Y11-7-T
16	Suction Tube	1	90621
17	Dowel Pin	1	90620
◇ 19	"O" Ring (1/8" x 2" o.d.)	1	Y325-224
20	Ball	1	90948
21	Foot Valve	1	76932
22	Adapter (3/4 N.P.T. x 3/8 N.P.T.)	1	Y45-308-T



Use Loctite Nickel Anti-Seize on All Threads.

Use Tricresyl Phosphate (Wet-Sol "Plus") only to Lubricate Packings when Assembling Pump.

LOWER PUMP END SERVICE PROCEDURES

LOWER PUMP END DISASSEMBLY

NOTE: All threads are right hand.

1. Clamp the lower pump assembly in a vise side ways on the (7) pump body with the material outlet up.
2. With a plastic hammer tap all around the lower end of the (16) suction tube. (Close to the bottom).
3. Place strap wrench around the (16) suction tube and hold securely. Place a wrench on the foot valve body and disassemble from the suction tube.
4. Remove the (17) dowel pin and (20) ball from the (21) foot valve body.
5. Remove the (19) "O" ring from (21) foot valve body.
6. Disassemble the (16) suction tube from the pump body.
7. Remove the (3) plunger using extreme caution not to damage the finish on the O.D.
8. Remove the (9) "O" ring from the (7) pump body.
9. Place the strap wrench on the (2) spacer tube and unscrew the spacer tube from the (7) pump body.
10. Place a wooden dowel or hammer handle in the (2) spacer tube and lightly tap the (4) washer, and the (5) packing out of the chamber.
11. Remove the (6) gasket from the (7) pump body.
12. Clamp the flats of the (11) rod in the vise. Remove the (3) plunger and the (10) lock washer from the (11) rod.
13. Remove the (15) nut.
14. With a spanner wrench remove the (14) retaining nut.
15. Remove the (12) cup and (13) "O" ring.

LOWER PUMP END REASSEMBLY

NOTE: Use anti seizing compound on all stainless steel threads.

1. Thoroughly grease and install the (4) washer, and the (5) packing into the bore of the (2) spacer tube with the lips toward the opening.
2. Seat the (6) gasket in the (7) pump body.
3. Apply Teflon tape or Parker Ferulube to the threads on the end of the (2) spacer tube that the packing was installed into, and insert into the top of the (7) pump body (top does not have external threads) and screw securely together.
4. Thoroughly grease and install the (9) "O" ring into the bottom of the pump body.
5. Place the (3) plunger (with 1/2" - 20 thread down) into the top of the (2) spacer tube, and slowly work the plunger through the (5) packing, until the plunger extends out of the (7) pump body.
6. Place the (10) lock washer over the threads on the (11) rod.
7. Clean the threads of both pieces with solvent, apply Loctite and screw securely onto the (3) plunger.
8. Slide the assembled (12) cup and (13) "O" ring onto the (11) rod.
9. Thoroughly clean with solvent and apply Loctite to the 7/16" - 20 threads of the (11) rod.
10. Screw the (14) retaining nut onto the (11) rod and tighten with a spanner wrench.
11. Screw the (15) nut onto the (11) rod and tighten.
12. Push the assembled (3) plunger and (12) cup up until the cup comes in contact with the (7) pump body.
13. Thoroughly grease the inside of, and apply Teflon tape or Parker Ferulube to the external threads of the (16) suction tube. Carefully force the externally threaded end of the suction tube over the (13) "O" ring and screw into the (7) body.
14. Thoroughly grease and install the (19) "O" ring on the (21) foot valve body.
15. Place the (20) ball in the (21) foot valve body and insert the (17) dowel pin into the two holes in the foot valve body.
16. Apply Teflon tape or Parker Ferulube to the threads of the (21) foot valve body and screw them into the (16) suction tube and tighten securely.
17. The lower pump end is now assembled.