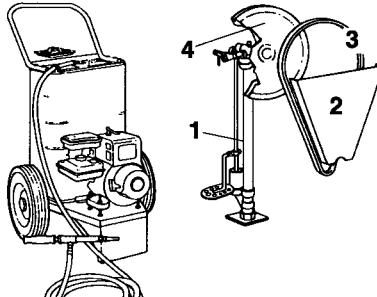
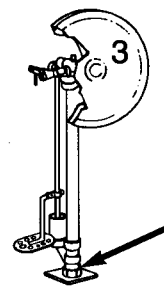


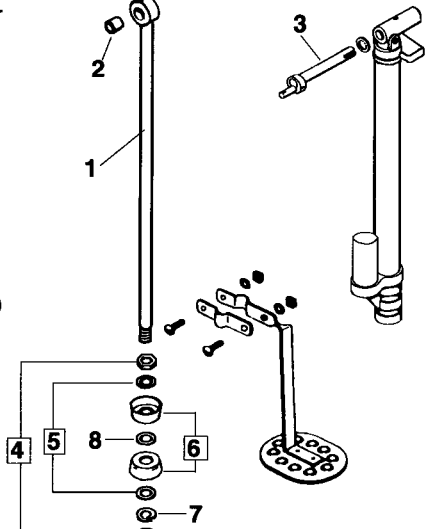
HOW TO SERVICE POWER SPRAYER PUMP

1. 


1. Remove belt guard (2).
2. Remove belt (3) from pulley (4).
3. Remove complete pump (1) from tank by lifting pump straight up and out of tank. Clean holes in agitator and flange support at bottom of tank.

2. 

Unthread (counter clockwise) valve retainer nut.

3. 

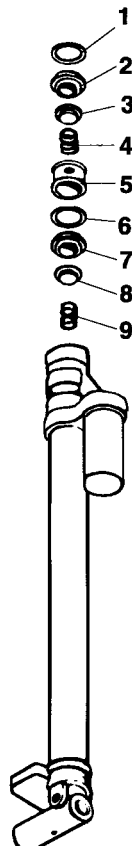
1. Remove plunger rod assembly (1).
2. Inspect bearing (2), eccentric drive shaft (3), hex nuts (4), retaining washers (5), pump leathers (6), lock washer (7) and backing washer (8)
3. Replace if necessary.

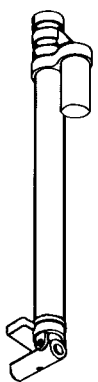
4. 

If stainless steel cylinder is grooved or pitted, the cylinder must be replaced. To remove cylinder from casting, heat casting to soften sealant. Unthread counterclockwise. To install new cylinder, use plumber's tape, Perma Lok* or Loctite** to seal. Turn cylinder clockwise to tighten.

6. To disassemble valves:

1. Remove O-ring
2. Pull out Plastic Seat
3. Pull out Disk
4. Remove Spring
5. Remove Brass Housing
6. Remove 2nd Seat
7. Remove 2nd O-ring
8. Remove 2nd Disk
9. Remove 2nd Spring
10. Check and replace all worn parts

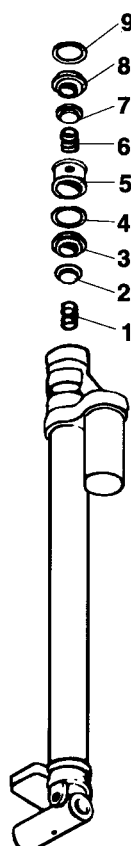


5. 

Invert pump to remove the valves.

7. To reinstall valves:

1. Replace Spring. Make sure it is seated properly.
2. Replace Disk
3. Replace O-ring
4. Replace Seat
5. Replace Brass Housing
6. Replace 2nd Spring
7. Replace 2nd Disk
8. Replace Plastic Seat
9. Replace 2nd O-ring
10. Install valve retainer nut and tighten clockwise. Turn pump right side up.



8. To re-install pump into tank:

1. Slide flange (1) of retaining nut (2) over tab at bottom of tank. If tab does not align with flange, tap tab so it lines up and slide pump into the tank tab.
2. Align top of pump housing with holes in tank.
3. Install the belt (3).
4. Install the belt guard (4) and enjoy your sprayer.

