

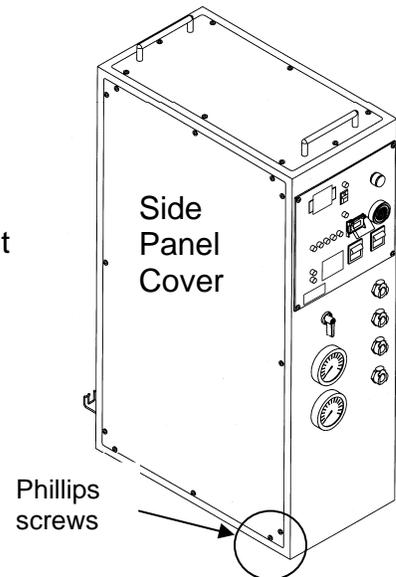
MILLENIUM PUMP REPLACEMENT PROCEDURE

Tools and Materials Required

- Screwdriver (flat & Phillips)
- Nut driver 5/16 inch
- Wrench, open-end 13/16 inch or adjustable-type
- New Pump (3007544)
- Teflon Tape (ME60028)
- New fittings (optional)

Initial Preparation

1. Turn off Millenium.
 2. Turn off water supply at source.
 3. Briefly turn ON the Inlet Water Valve switch. Allow system (including, if present, carbon tank(s), softener, pre-filter housing, etc.) to fully depressurize.
 4. Disconnect water lines: Product, Feed and Waste.
 5. Unplug power cord.
- WARNING:** Ensure power cord is disconnected to prevent risk of electric shock, which could result in injury or death.
6. Remove Millenium from cart.
 7. Remove large side panel cover (Phillips screwdriver).

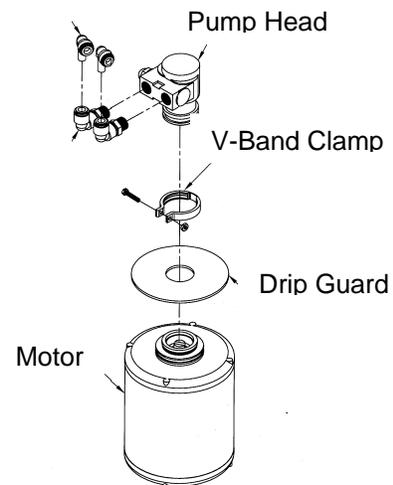


PUMP REMOVAL / REPLACEMENT PROCEDURE

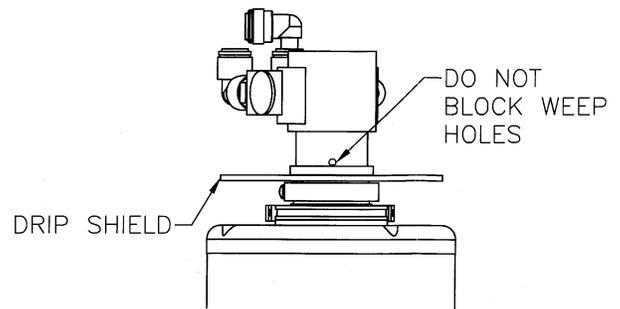
1. Un-screw the V-clamp (using 5/16 inch nut driver or flat blade screw driver) that is used to secure the pump head to the motor drive flange (pump mount). The screw must be almost completely removed to achieve adequate clearance to remove pump head.
2. Lift the pump head off the motor.

NOTE: If the pump is older-style, there will be a small, bronze 'pump-motor coupler' device which may either remain attached to the motor shaft or the pump shaft. If it remains on the motor shaft, it must be removed and discarded. To remove the coupler from the motor shaft, simply grasp the coupler and pull.

3. Verify that the drip guard is located correctly over the motor.
4. Locate fittings from the old pump, both inlet and outlet or new fittings and apply three wraps of Teflon thread tape in the clockwise direction over the threads.
5. Install the fittings into the pump inlet and outlet of the pump. Tighten until snug. Do not over-tighten.
6. Position the pump head (shaft end) near the pump mount of the motor. Visually check the alignment of the pump shaft drive 'tang' with the motor shaft drive 'slot'. Rotate the pump tang and the motor shaft to align the parts before final placement.
7. Fit the pump 'V-band clamp' loosely around the pump flange (shaft end). Place the pump head onto the motor pump mount so that the pump drive tang fits securely into the motor shaft drive slot.



8. Make certain that the pump flange and the motor flange are seated close/tight together and begin tightening the clamp. **DO NOT BLOCK WEEP HOLES!** Before final tightening, rotate the pump head so that the inlet and outlet ports are properly oriented to connect to the tubing. As the clamp begins to tighten, verify that the pump flange and motor flange remain completely flush against each other.



9. Re-install the inlet and outlet water tubes by pressing the tubes firmly into the tube fitting(s).

10. Prepare for leak testing, restore water and power connections and then reference:

Tech Note 207 - MILLENIUM START-UP PROCEDURE