

## MAINTENANCE

The efficiency and life of your machine is increased by regularly scheduled preventive maintenance. A well maintained machine gives better results and service. An investment of a few minutes of daily maintenance will be worthwhile.

The best maintenance you can provide is to keep your machine clean. Components that are not regularly cleaned and flushed will clog and become inoperative.

Intervals shown in the following schedules represent an average length of time between necessary maintenance. Maintenance intervals should be shortened whenever your machine is faced with abnormal working conditions, hard water, or multiple shift operations.

## CLEANING

### Daily-Every 8 Hours of Operation

1. Turn power switch to **OFF**.
2. Drain the tank and flush with water.
2. Remove all scrap screens, scrap baskets and pull drain lever to drain water. Clean inside of tank and flush with clean water. Backflush scrap screens and basket until clean. **Do not strike screens or basket against solid objects.**
3. Remove the spray pipes. Remove the end plug from each spray pipe. Flush pipe and nozzles until clean. **Do not strike spray pipes against solid objects.** Check bearings in arms to ensure that they are clean of any debris and do not need replacing. Reinstall spray pipes.

### At the End of Day

1. Drain the machine.
2. Check and clean scrap screens, scrap basket and pump suction screen.
3. Clean the spray arms.
4. Wash inside of machine with fresh water (tank, sides and top).



### **CAUTION:**

*Do not hose down the exterior of the machine with water.*

5. Leave the doors open to aid in drying the interior of the machine.
6. Clean the exterior of machine with a mild soap solution.
6. Check detergent and rinse aid additive, replenish if necessary.
7. Report any unusual conditions to your supervisor.

---

## PREVENTATIVE MAINTENANCE SCHEDULES

### Daily Maintenance Requirements

1. Check the chemical supply containers and replenish as needed.
2. Inspect the scrap screens and baskets for bent or damaged parts.
3. Check the spray arm bearings and make sure that arms turn freely.
4. Check pump motor for leaks around shaft.
5. Check thermometers for proper readings.

### Weekly Maintenance Requirements

1. Inspect for leaks including all piping and supply connections. Tighten or repair as needed.
2. Inspect the door for proper fit and ease of operation.
3. Check the operation of door safety switches.
4. Thoroughly clean any residue from the exterior of machine.
5. Check drain/overflow tube for leaks.

### Semi-Annual Maintenance Requirements

1. Inspect all chemical connections and supply tubing for leaks.
2. Check the building drain system and clean as needed.

### Yearly Maintenance Requirements

1. Inspect the installation site for cleanliness and any foreign material around the machine. Clean as required.
2. Check the overall condition of the machine. Replace any worn or damaged parts.

## DELIMING

Your dishwasher should be delimed regularly as required. This will depend on the mineral content of your water. Inspect your machine interior for lime deposits. If deliming is required, a deliming agent should be used for best results. Consult your chemical supplier for proper type and procedures.



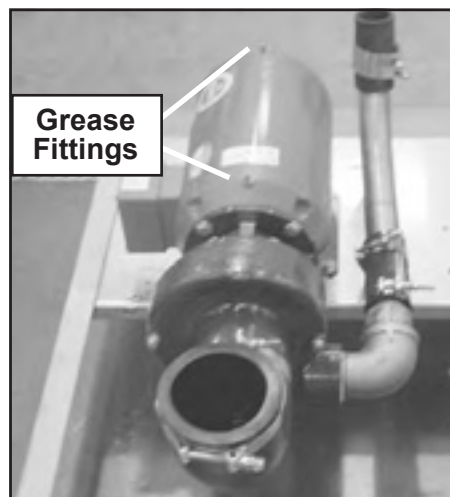
### **DANGER:**

*Deliming solution, rinse agents, or other acids must not come in contact with household bleach (sodium hypochlorite) or any chemicals containing chlorine, iodine, bromine, or fluorine. Mixing may cause hazardous gases to form. Consult your chemical supplier.*

1. Remove all racks and wares from the machine.
2. Remove chemical pick-up tubes from the containers and place in a catch pan on the floor .
3. Place each tube in a container of fresh water and prime the chemical lines for several minutes to thoroughly flush chemical from the lines. Leave pick-up tubes out of their containers.
4. Drain the machine and refill with fresh water.
5. Spray interior walls with deliming solution and let stand for 5 or 10 minutes depending on the amount of buildup.
6. Open door and add deliming solution (per chemical supplier's instructions) directly in wash tank.
  - **PP-28 holds 24 US gallons (90.8 Liters) of water.**
7. Close doors.
8. Push start button and run an automatic cycle.
9. Repeat steps 3 and 4 if necessary.
10. Drain machine.
11. Open door and inspect interior for mineral deposits. Repeat steps 3-10 if required.
12. Run two (2) additional cycles to flush all deliming chemicals from machine.
13. Drain and refill machine.
14. Replace chemical pick up tubes in containers and prime chemical dispensing system.
15. Deliming process is complete.

## LUBRICATION

There are two lubrication points on the pump assembly motor. The pump motor should be greased every 100 hours of running time with a high temperature and high pressure bearing grease. DO NOT over lubricate. One to two pumps of the grease gun is sufficient.



**Figure 1**  
**Lubrication Points**