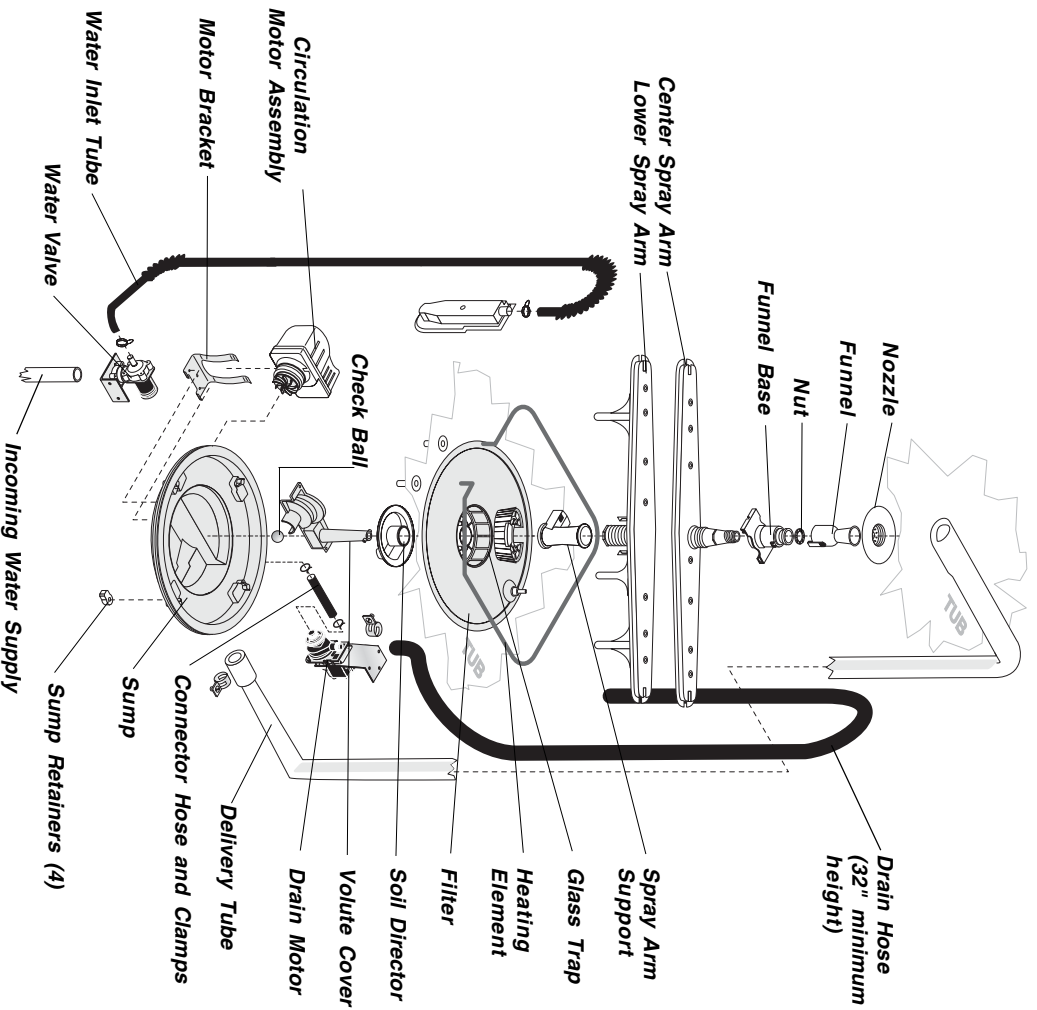


# Exploded View of Wash System



**Pump Assembly**  
The pump assembly is driven by a synchronous motor. Rotation is in the counterclockwise direction at 3600 RPM. The motor drives a pump which supplies 100 percent filtered water at a rate to approximately 12 GPM to one spray arm at a time. The spray arm's operation is alternated by small "pauses" of the motor during the wash cycle.

Draining is accomplished by using a small separate synchronous drain pump mounted to the side of the sump. The drain pump is connected to the main pump by a small rubber hose. The drain check valve is located at the discharge end of the drain pump. The drain hose

## 900 Watt Heater

Refer to the cycle chart on the reverse side to determine when the heater is on during the wash cycle. The heater cycles **ON** and **OFF** for brief periods during the drying cycle.

## Standard Dry Air Flow

When the control advances to the "dry" portion of the cycle, a linear actuator retracts a valve, which opens a vent path through the console into the kitchen. The heated, moist air leaving the dishwasher through the console vent causes drier air to be drawn into the unit by way of intake

vents located at the bottom of the door. The water on the dishes is evaporated into drier air and the venting process continues. The heating element is turned **ON** and **OFF** during the entire drying cycle.

## Detergent and Rinse Aid Dispenser

The detergent and rinse aid dispenser is a one piece component consisting of a molded detergent cup and a built-in rinse aid dispenser.

The detergent cup has a spring loaded cover and the rinse aid dispenser has a removable cover.

Liquid rinse aid is added to the dispenser up to the fill line indicator. The amount of rinse aid released can be adjusted by turning the arrow indicator from one, being the least amount, to four, being the greatest amount.

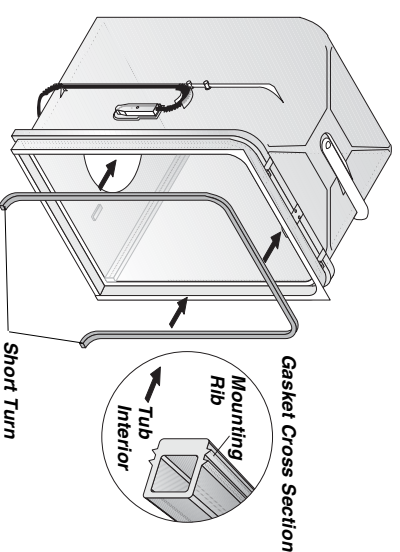
### To replace dispenser:

- shut off electricity to dishwasher,
- remove outer door panel assembly,
- disconnect wiring to the actuator,
- remove the six screws,
- remove the dispenser,
- replace and reinstall screws,
- rewire actuator.

## Tub and Door Seal

The door seal is pressed into the tub channel for an interference fit. Center the gasket (marked on back) at the tub top center and press in place

without stretching or bunching. The gasket takes a short turn at the bottom of the tub channel before ending at the channel end wall.



## Product Specifications

### Electrical

Rating.....	120 Volts, 60Hz
Separate Circuit..	.15 amp min.- 20 amp max.
Motor (Amps) .....	1.1
Heater Wattage .....	900
Total Amps (load rated) .....	10.0
Wash Temp Boost .....	117°F±5°F (47°C±3°C) [with outer door in place]
Rinse Temp Boost .....	127°F (53°C)
Hi-Limit Thermostat .....	200°F (93°C)

### Water Supply

Suggested minimum incoming water temperature .....	120°F (49°C)
Pressure (PSI) min./max. ....	20/120
Connection (NPT) .....	3/8"
Consumption (Normal Cycle) .....	
Water valve flow rate (GPM) .....	6.0 gal., 22.7 liters
Water recirculation rate (GPM) .....	.83
Water fill time .....	approx. 12
Water fill time .....	87 sec.

# Trouble Shooting Tips

## ⚠ WARNING

Personal Injury Hazard

Always disconnect the dishwasher from the electrical power source before adjusting or replacing components.

### Symptom

### Check the Following

### Remedy

**Dishwasher will not operate when turned on (wait at least 90 seconds).**

- |                                                    |                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------|
| 1. Fuse (blown or tripped).                        | 1. Replace fuse or reset breaker.                               |
| 2. 120 VAC supply wiring connection faulty.        | 2. Repair or replace wire fasteners at dishwasher junction box. |
| 3. Timer (contacts open or defective)              | 3. Replace timer.                                               |
| 4. Motor (inoperative).                            | 4. Replace motor/impeller assembly.                             |
| 5. Door switch (open contacts).                    | 5. Replace latch assembly.                                      |
| 6. Door latch not making contact with door switch. | 6. Replace latch assembly.                                      |
| 7. Selector switch (open contacts).                | 7. Replace selector switch.                                     |

**Motor hums but will not start or run.**

- |                                          |                            |
|------------------------------------------|----------------------------|
| 1. Motor (bad bearings).                 | 1. Replace motor assembly. |
| 2. Motor stuck due to prolonged non-use. | 2. Rotate motor/impeller.  |

**Motor trips out on internal thermal overload protector.**

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| 1. Improper voltage.               | 1. Check voltage.                   |
| 2. Motor windings shorted.         | 2. Replace motor/impeller assembly. |
| 3. Glass or foreign items in pump. | 3. Clean and clear blockage.        |

**Dishwasher runs but will not heat.**

- |                                   |                            |
|-----------------------------------|----------------------------|
| 1. Heater element (open).         | 1. Replace heater element. |
| 2. Timer defective.               | 2. Replace timer.          |
| 3. Wiring or terminal defective.  | 3. Repair or replace.      |
| 4. Hi-limit thermostat defective. | 4. Replace thermostat.     |

**Detergent cover will not latch or open.**

- |                                  |                       |
|----------------------------------|-----------------------|
| 1. Latch mechanism defective.    | 1. Replace dispenser. |
| 2. Timer contact defective.      | 2. Replace timer.     |
| 3. Wiring or terminal defective. | 3. Repair or replace. |
| 4. Broken spring(s).             | 4. Replace dispenser. |
| 5. Defective actuator.           | 5. Replace dispenser. |

**Dishwasher will not pump out.**

- |                             |                               |
|-----------------------------|-------------------------------|
| 1. Drain restricted.        | 1. Clear restrictions.        |
| 2. Timer contact defective. | 2. Replace timer.             |
| 3. Defective drain pump.    | 3. Replace pump.              |
| 4. Blocked impeller.        | 4. Check for blockage, clear. |
| 5. Open windings.           | 5. Replace pump assembly.     |

**Dishwasher will not fill with water.**

- |                                              |                                    |
|----------------------------------------------|------------------------------------|
| 1. Water supply turned off.                  | 1. Turn water supply on.           |
| 2. Defective water inlet fill valve.         | 2. Replace water inlet fill valve. |
| 3. Check fill valve screen for obstructions. | 3. Disassemble and clean screen.   |
| 4. Defective float switch.                   | 4. Repair or replace.              |
| 5. Timer contact defective.                  | 5. Replace timer.                  |
| 6. Wiring defective.                         | 6. Repair or replace.              |
| 7. Float stuck in "Up" position.             | 7. Clean float.                    |

**Timer does not advance.**

- |                                                                 |                                              |
|-----------------------------------------------------------------|----------------------------------------------|
| 1. Timer motor (stalled or open.)                               | 1. Replace timer.                            |
| 2. Check timer for power to timer motor.                        | 2. Repair or replace timer.                  |
| 3. Timer shaft binding to or knob interference with escutcheon. | 3. Repair or adjust.                         |
| 4. Tempboost thermostat defective.                              | 4. Replace or adjust position of thermostat. |

**Dishwasher water siphons out.**

- |                                                      |                                                     |
|------------------------------------------------------|-----------------------------------------------------|
| 1. Drain hose (high) loop too low.                   | 1. Repair to proper <b>32-inch minimum height</b> . |
| 2. Drain line connected to a floor drain not vented. | 2. Install air gap at counter top.                  |

**Detergent left in dispenser.**

- |                                                                        |                                                                                                 |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. Detergent allowed to stand too long in dispenser.                   | 1. Instruct customer/user.                                                                      |
| 2. Dispenser wet when detergent was added.                             | 2. Instruct customer/user.                                                                      |
| 3. Detergent cover held closed or blocked by large dishes.             | 3. Instruct customer/user on proper loading of dishes.                                          |
| 4. Improper incoming water temperature to properly dissolve detergent. | 4. Incoming water temperature of 120°F is required to properly dissolve dishwashing detergents. |
| 5. See "Detergent cover will not open."                                |                                                                                                 |

