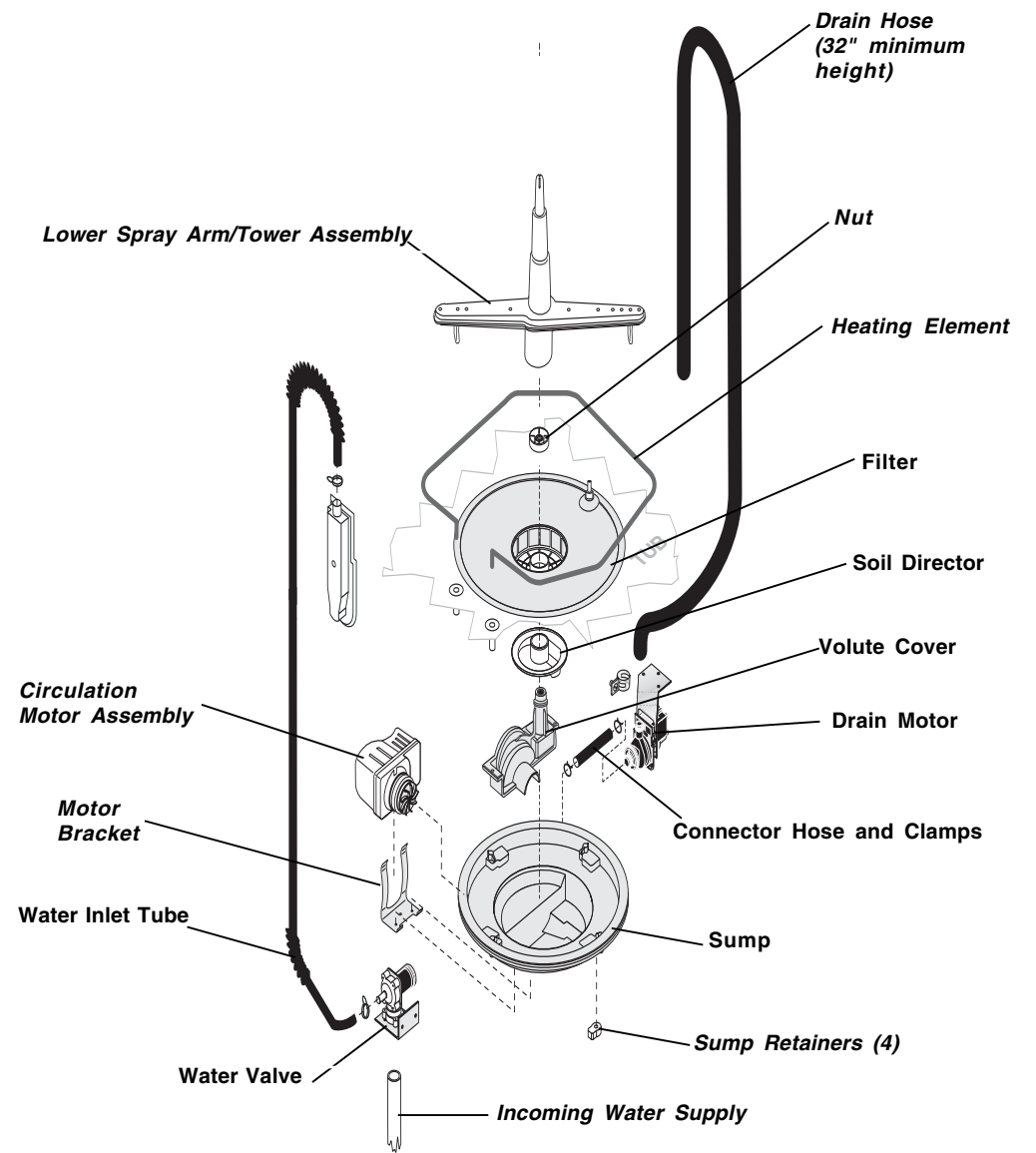


Exploded View of Wash System



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.

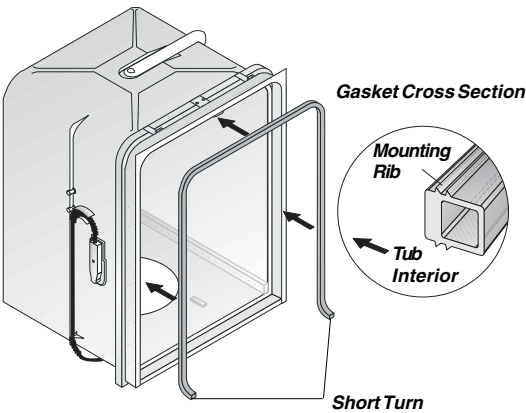
Draining is accomplished by using a small separate synchronous drain pump mounted to the side of the sump. The drain pump is connected to the main pump by a small rubber hose. The drain check valve is located at the discharge end of the drain pump. The drain hose is attached by a worm gear clamp to the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

The drain hose must have a loop at a **minimum height of 32 inches** in order to insure proper drainage.

To remove the main circulation (circ) pump first disconnect the wiring harness connections located at the circ pump's motor, remove the two screws tha hold the motor bracket, and remove the motor bracket by sliding it away from the sump. The motor and pump can then slide out of the sump.

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
Water Supply	
Suggested minimum incoming water temperature	120°F (49°C)
Pressure (PSI) min./max.	20/120
Connection (NPT)	3/8"
Consumption (Normal Cycle)	7.2 U.S. gal., 27.3 liters

Trouble Shooting Tips

⚠ WARNING

Personal Injury Hazard

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

Check the list below each symptom. Repair or replace defective components as encountered.

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

 1. Fuse (blown or tripped).
 2. 120 VAC supply wiring connection faulty.
 3. Timer (contacts open or defective)
 4. Motor (inoperative).
 5. Door switch (open contacts).
 6. Door latch not making contact with door switch.
 7. Selector switch (open contacts).
- Symptom. . .Dishwasher will not pump out.**

 1. Drain restricted.
 2. Timer contact defective.
 3. Defective drain pump.
 4. Air lock in drain hose.
 5. Blocked impeller.
 6. Open windings.
- Symptom. . .Dishwasher will not fill with water.**

 1. Water supply turned off.
 2. Defective water inlet fill valve.
 3. Check fill valve screen for obstructions.
 4. Defective float switch.
 5. Timer contact defective.
 6. Wiring defective.
 7. Float stuck in "UP" position.
- Symptom. . .Timer does not advance.**

 1. Timer motor (stalled or open.)
 2. Check timer for power to timer motor.
 3. Timer shaft binding to or knob interference with escutcheon.
- Symptom. . .Dishwasher runs but will not heat.**

 1. Heater element (open).
 2. Timer defective.
 3. Wiring or terminal defective.
- Symptom. . .Dishwasher water siphons out.**

 1. Drain hose (high) loop too low--must be a minimum height of 32 inches.
 2. Drain line connected to a floor drain not vented. (Install air gap at counter top.)

SERVICE DATA SHEET

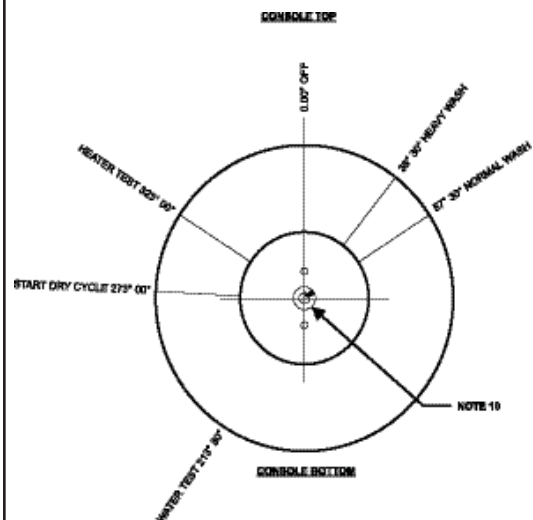
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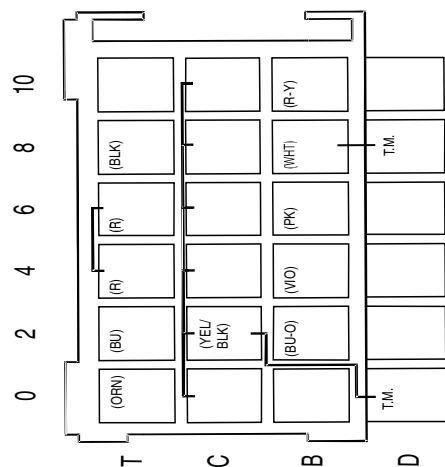
This information is intended for use by persons having electrical and mechanical training and a level of knowledge of these subjects generally considered acceptable in the appliance repair trade. The manufacturer or seller cannot be responsible, nor assume any liability, for injury or damage of any kind arising from the use of this Service Data Sheet.

Color Code

BK.....	Black	R	Red
BU.....	Blue	VIO	Violet
BU-O	Blue/Orange	W	White
PK	Pink	R-Y	Red/Yellow



Timer Block



Component Checking

Notes:

- 1) Always turn the timer knob clockwise.
- 2) Possible overshooting of the detent and gear/cam position from previous operation can affect the duration of the first interval.

Drain Pump:

To energize, turn the timer to the detent labeled HEAVY WASH. This first interval is about 80 seconds of pump out.

Fill Valve:

Turn the timer to about 213 (labeled iWATERTEST in figure 1). There is a detent at this point but there is no indication of it on the console - it is for testing only. This location is the start of the final rinse. The wash segment begins with an 87 second fill. Note that the detergent dispenser is also powered during the fill.

Float:

While the fill valve is energized (see above) raising the float should result in power being removed from the fill valve causing it to close.

Detergent

Follow instructions for energizing the fill valve. The detergent dispenser is energized during the next 179 seconds. During the first 87 seconds it runs along with the fill valve, then for 5 seconds on runs on its own and then for 87 more seconds it runs along with the circulation pump. The detergent door can be expected to open with 40 to 90 seconds of dispenser power up time.

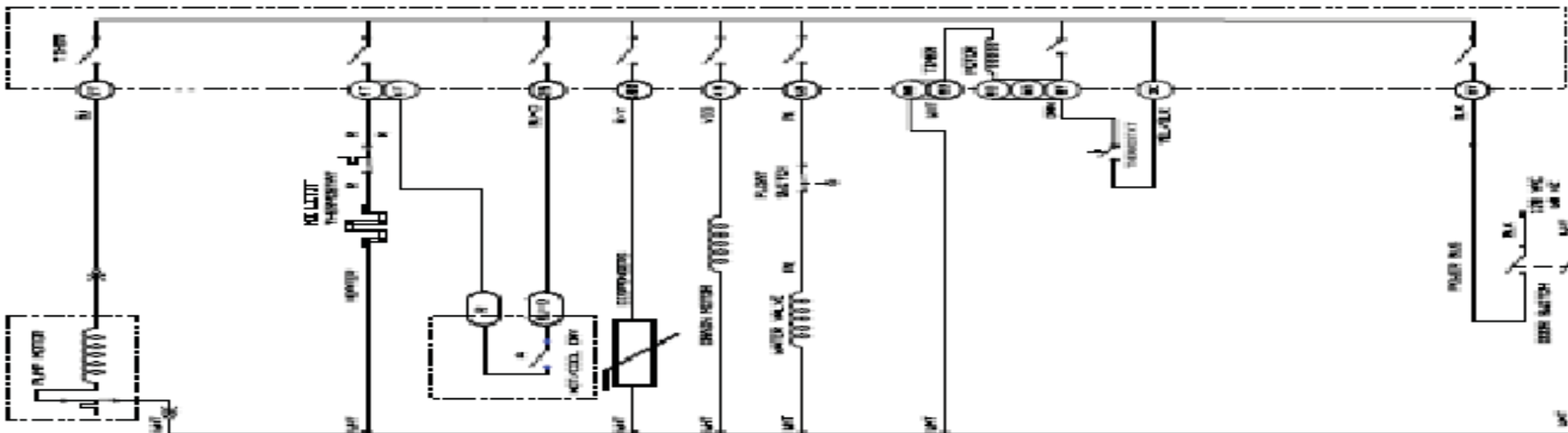
Circ Pump:

Turn the timer to the HEAVY WASH detent and then advance about 10° further. This is starting location for about 87 seconds of circ pump actuation.

Heater:

WARNING! When checking that the element is giving off heat be careful not to touch the heating element inside the tub - it will burn. To check for a failed heater remove power and check the resistance between the two connections. Probes can be inserted in to the back side of the connectors. The heating element changes resistance with temperature but should always be between 12 and 21 ohms. To check that it is being energized by the timer, apply power to the unit and turn the timer to 303°. This angular position has a detent, is labeled HEATER TEST in figure 1 but is not labeled on the console. The detent is located at the beginning of an 87 second heating interval within the drying portion of the cycle. It is followed by several other alternating pause and heating 87 second intervals. In all, 5 heating intervals follow the detent.

Wiring Diagram



Cycle Selection Options



Knob Angle	40°		60°		80°		100°		120°		140°		160°		180°		200°		220°		240°		260°		280°		300°		320°		340°		360°	
Normal	Pump Out	Pre-Wash 1	Pre-Wash 2		Pre-Wash 3				Main Wash				Rinse 1				Final Rinse				Dry													
Water Valve	■		■		■		■				■				■																			
Wash Motor		■		■		■				■				■				■																
Drain Motor	■		■		■		■				■				■				■															
Heater					■				■				■				■																	
Dispenser									■				■																					
Minutes	5		10		15		20		25		30		35		40		45		50		55		60		65		70		75		80			