The dishwasher responds to user inputs only when its door is open.

**OPERATION**

- To select a new cycle or option: Press to select desired cycle and/or option (indicator lights will change).
- To delay start: Press DELAY START repeatedly until the desired delay time is displayed.
- For controls lock: Press and hold DELAY START for 3 seconds (its LED will illuminate when lock is set)
- To start: Press START/CANCEL and close the door.

**COLOR CODE**

- BK - Black
- BU - Blue
- PK - Pink
- R - Red
- Vi - Violet
- W - White
- Y-BK - Yellow/Black
- R-Y - Red/Yellow
- BK-W - Black/White
- R-W - Red/White

**WIRING DIAGRAM**

- To activate the Water/Service Test, cycle the circuit breaker to put the unit in Power Failure Mode. Simultaneously press "DRY" and START/CANCEL for 1 second.
- The dishwasher will then step through the test cycle per the chart. If START/CANCEL is pressed during the test the current step is terminated and the test advances to the next cycle step.

**CYCLE SELECTION OPTIONS**

1. In all cycles except Rinse Only and Quick Wash the main wash and final rinse may be lengthened when needed to reach optimal temperatures.
2. If Normal Wash is the first cycle run after applying power the heavy soil response shown here will result. Thereafter, the sensor will be calibrated. Then, the cycle will automatically adjust to the amount of food soil by running only as many of the pre-washes or pre-rinses as appropriate. Normal Wash will run the extra-light soil response shown here when ran empty or with dishware having extra-light or no soils are installed.
3. In the Quick Wash and Rinse Only cycles it is normal for the circulation pump to pulse during fills.

**DISPLAY CODES (READOUT)**

- Et - Switch failure (shorted keypad)
- Th - Open/shorted thermistor
- Tu - Open/shorted turbidity sensor
- HS - Pump rpm error
- Vo - Vent stuck open
- VC - Vent stuck closed
- UF - Vent rpm too low or stopped

All LEDs illuminate during Power Failure

CLOSE DOOR will scroll indicating to close and latch the door

**DISPLAY CODES (LED)**

- Delay: Displayed when unit is counting down a delay
- Clean: Displayed to indicate the cycle is complete
- Sanitize: Displayed to indicate sanitization was achieved

**WATER/SERVICE TEST**

<table>
<thead>
<tr>
<th>Interval Number</th>
<th>Description</th>
<th>Interval Duration Sec.</th>
<th>Cycle</th>
<th>Water Valve</th>
<th>Circulation Motor</th>
<th>Drain Motor</th>
<th>Heater</th>
<th>Dispenser</th>
<th>Monitoring Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fill/Dispenser</td>
<td>60</td>
<td>0.5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>FB</td>
<td>27</td>
<td>0.75</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>Wash/Dish/Dispenser</td>
<td>5</td>
<td>1.5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>Pause/Heat</td>
<td>5</td>
<td>1.5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>Wash/Heat</td>
<td>25</td>
<td>1.5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>6</td>
<td>Wash/Dish/Dispenser</td>
<td>30</td>
<td>1.5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>7</td>
<td>Dry</td>
<td>50</td>
<td>0.75</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>8</td>
<td>End State</td>
<td>60</td>
<td>0.75</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Note:** End State remains in effect until door is opened.
**Standard Dry Air Flow**

The heating element at the bottom of the tub and the vent assembly in the top right rear of the tub are used to dry dishes. During the 'dry' portion of the cycle the heater, the solenoid that opens the vent, and the vent fan are energized. The vent fan draws in cooler, drier air from outside the tub and pushes it down into the tub. Hot moist air rises to escape through a condensing duct with an entrance at the top. Inside of the duct inlet near the top of the door. At the duct exit near the bottom of the door drier air escapes into the kitchen and the condensed water runs into the drain portion of the dishwasher. Energy from the heating element warms the incoming air and augments the energy stored in the dishware. Together their energy causes the water on the dishware to evaporate.

**Detergent and Rinse Aid Dispenser**

The detergent and rinse aid dispenser is a molded 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. To refill, remove the cap and pour rinse aid in until the level shows above the bottom of the cylindrical opening and the sight gauge changes appearance. If any is spilled wipe it up before starting the cycle. 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**

Line up the center mark on the back of the seal with the tub top center and press it into the channel. Move along the channel left and right periodically pressing the seal into place without bunching or stretching it until going around the corners at the top. Next, place the free ends into the channel at the bottom left and right by creating a short turn at the bottom of the tub channel and ensuring the seal extends to the locator ridge at the bottom of the tub (see enlarged portion of the image at left). Then, press the seal periodically into place. Finally slide your fingers over the seal to press it fully in place. When complete a single face of the seal should be visible and flush with the edge of the channel.

**Pump Assembly**

The pump is driven by a synchronous motor. Rotation is in the counterclockwise direction at up to 3600 RPM. The spray arm's operation is alternated by small "pauses" of the motor during the wash cycle. Draining is accomplished by a small synchronous drain pump mounted to the side of the sump. The drain pump is located at 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 do the following in sequence:
- Shut off electricity to the dishwasher
- Disconnect the wiring harness
- Remove the two screws that hold the motor bracket.
- Slide the motor bracket away from the sump. The motor and pump, now held only by friction against O-rings, can be pulled out of the sump.

**Product Specifications**

**Electrical**
- Rating: 120 Volts, 60Hz
- Separate Circuit: 15 amp min. - 20 amp max.
- Motor Amps: 1.8
- Temperature: 40°F to 150°F
- Power: 3/8” NPT or 3/4” Hose Thread

**Water Supply**
- Suggested minimum incoming water pressure
  - TempAssure: 30°F to 120°F
  - TempBoost: 145°F

**Trouble Shooting Tips**

**WARNING**

Personal Injury Hazard

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

**Symptom**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Check the Following</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detergent cover will not latch or open.</td>
<td>Latch mechanism defective.</td>
<td>Replace dispenser.</td>
</tr>
<tr>
<td>Detergent cover will not close.</td>
<td>Defective dispenser.</td>
<td>Replace dispenser.</td>
</tr>
<tr>
<td>Detergent left in dispenser.</td>
<td>Detergent allowed to stand too long in dispenser.</td>
<td>Instruct customer/user.</td>
</tr>
<tr>
<td>Dishwasher will not operate when turned on.</td>
<td>Fuse (blown or tripped).</td>
<td>Replace fuse or reset breaker.</td>
</tr>
<tr>
<td>Dishwasher will not pump out.</td>
<td>Defective drain pump.</td>
<td>Replace drain pump.</td>
</tr>
<tr>
<td>Dishwasher will not fill with water.</td>
<td>Defective water inlet fill valve.</td>
<td>Replace water inlet fill valve.</td>
</tr>
<tr>
<td>Dishwasher water siphons out.</td>
<td>Defective water inlet fill valve.</td>
<td>Replace water inlet fill valve.</td>
</tr>
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<td>Defective water inlet fill valve.</td>
<td>Replace water inlet fill valve.</td>
</tr>
<tr>
<td>Detergent left in dispenser.</td>
<td>Detergent allowed to stay too long in dispenser.</td>
<td>Replace water inlet fill valve.</td>
</tr>
</tbody>
</table>

**Water Valve**
- Water valve flow rate (U.S.GPM) 0.83
- Water recirculation (U.S.GPM) approx. 0.87