The water/service test, (WST) is a special function initiated from the power failure mode. While in power failure mode - simultaneously press the OPTIONS and START/CANCEL pads for one second. The dishwasher will then step through the test cycle per the chart. Pushing the START/CANCEL pad will advance the dishwasher to the next step.

**Cycle Selection Options**

<table>
<thead>
<tr>
<th>Cycle Type</th>
<th>Minutes</th>
<th>Pre-Wash 1</th>
<th>Pre-Wash 2</th>
<th>Pre-Wash 3</th>
<th>Main Wash</th>
<th>Rinse 1</th>
<th>Rinse 2</th>
<th>Rinse 3</th>
<th>Final Rinse</th>
<th>Dry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Wash</td>
<td>225</td>
<td>5 10 15 20</td>
<td>25 30 35 40</td>
<td>45 50 55 60</td>
<td>65 70 75 80</td>
<td>85 90 95 100</td>
<td>105 110 115 120</td>
<td>125</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal</td>
<td>200</td>
<td>5 10 15 20</td>
<td>25 30 35 40</td>
<td>45 50 55 60</td>
<td>65 70 75 80</td>
<td>85 90 95 100</td>
<td>105 110 115 120</td>
<td>125</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal</td>
<td>200</td>
<td>5 10 15 20</td>
<td>25 30 35 40</td>
<td>45 50 55 60</td>
<td>65 70 75 80</td>
<td>85 90 95 100</td>
<td>105 110 115 120</td>
<td>125</td>
<td></td>
<td></td>
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<tr>
<td>Normal</td>
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<td>25 30 35 40</td>
<td>45 50 55 60</td>
<td>65 70 75 80</td>
<td>85 90 95 100</td>
<td>105 110 115 120</td>
<td>125</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Cycle Notes**

- The Main Wash and Final Rinse may be lengthened when needed to reach optimal wash temperatures.
- Some Models

**Display Codes (LED)**

- **Clean**
  - Shows completion of cycle. Indicator light will turn off after 15 seconds of door open.
- **Sanitized**
  - The Sanitization criteria has been met. Indicator light will turn off after 15 seconds of door open.
- **All LEDs Illuminated Solid**
  - All LEDs illuminated solid indicates power failure has occurred. Press START/CANCEL pad and re-select desired options and cycle.
- **Status LED's Flashing**
  - An error has occurred.

**Wiring Diagram**

- The wiring diagram shows the connections between the various components of the dishwasher. It includes the water valve, circulation motor, drain motor, heater, and dispenser, among others.

**Operation**

- To start: Close door fully to latch. Press START/CANCEL pad.
- To delay start: Close door fully to latch. Press DELAY START pad to select desired delay time.
- To select a new cycle or option: Press desired cycle and/or option pad. The indicator lights will change. Press START/CANCEL within 15 seconds to begin cycle.
- To cancel a cycle: Hold START/CANCEL pad for 3 seconds, the dishwasher will drain for 90 seconds, then shut off.

**Warning**

- Disconnect electrical power at the fuse box or circuit breaker box before servicing. Failure to follow this warning could result in serious injury or death.
Standard Dry Air Flow

When the control advances to the "dry" portion of the cycle heated, moist air leaves the dishwasher through the console vent. Drier air is then drawn into the unit through vents at the bottom of the door. Heat stored in the dishware causes the water on the dishes to evaporate into the drier air.

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 removeable cover. To re-fill, remove the cap and pour in new detergent and rinse aid 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:
1. Shut off electricity to dishwasher.
2. Remove door panel assembly.
3. Disconnect wire from actuator.
4. Remove the screws, the dispenser, and reinstall the screws.
5. Reassemble and 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 creating a short turn at the bottom of the tub and ensuring the seal extends to the locator ridge at the bottom of the tub (see attached portion of the attached image). 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 assembly is driven by a synchronous motor. Rotation is in the counterclockwise direction at 290 RPM. The motor drives a pump which supplies 100 percent filtered water at a rate of approximately 6.6 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 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.

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.

Electrical Specifications

Rating: 120 volts, 60Hz 
Separate Circuit: 15 amp min. 
Motor Amps: 1.8 
Heater Wattage: 900 
Total Amps: 1.8 
Temp: 60°F to 120°F 
Water Temperature: 140°F (63°C to 71°C) 
Sanitize: 150°F (66°C) 
Hi-Limit Thermostat: 180°F (82°C)

Water Supply

Minimum incoming water temperature: 120°F (49°C) 
Pressure (PSI): 20/120 
Temperature: 140°F (63°C)

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 removeable cover. To re-fill, remove the cap and pour in new detergent and rinse aid 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:
1. Shut off electricity to dishwasher.
2. Remove outer door panel assembly.
3. Disconnect wire to the actuator.
4. Remove the screws, the dispenser, and reinstall the screws.
5. Reassemble and rewire actuator.

Troubleshooting Tips

Motor hums but will not start or run.
1. Motor (bad bearing). 
2. Replace motor assembly.
4. Replace motor/impeller assembly.
5. Clean and clear blockage.

Dishwasher runs but will not heat.
2. Electronic control board defective.
3. Wiring or terminal defective.
4. Thermostat failure.

To replace heater:
1. Replacement heater.
2. Replace control board.
3. Replace thermostat.
4. Replace thermostat.
5. Replace thermostat.
6. Replace thermostat.

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. Electronic control board defective.
6. Wiring or terminal defective.
7. Float stuck in "UP" position.

To replace water inlet fill valve:
1. Disconnect water inlet fill valve.
2. Install new fill valve on sump.
3. Reassemble and check water inlet fill valve.

Dishwasher will not pump out.
1. Drain restricted.
2. Electronic control board defective.
3. Defective drain pump.
4. Blocked impeller.
5. Wire or terminal.

To replace drain pump:
1. Replace drain pump.
2. Replace control board.
3. Replace thermostat.
4. Replace thermostat.
5. Replace thermostat.

Detergent cover will not latch or open.
1. Latch mechanism defective.
2. Electronic control board defective.
3. Wiring or terminal defective.
4. Broken spring(s).
5. Defective actuator.

To replace actuator:
1. Replace actuator.
2. Replace actuator.
3. Replace actuator.
4. Replace actuator.
5. Replace actuator.

Detergent and Rinse Aid Dispenser

1. Detergent allowed to stand too long in dispenser.
2. Dispenser wet when detergent was added.
3. Detergent cover held open.
4. Improper incoming water temperature to properly dissolve detergent.
5. See "Detergent cover will not open".

Water Supply

1. Detergent allowed to stand too long in dispenser.
2. Dispenser wet when detergent was added.
3. Improper fill temperature.
4. Defective water inlet fill valve.
5. Defective actuator.

To replace water inlet fill valve:
1. Disconnect water inlet fill valve.
2. Install new fill valve on sump.
3. Reassemble and check water inlet fill valve.

Dishwasher with water in dispenser

1. Detergent allowed to stand too long in dispenser.
2. Dispenser wet when detergent was added.
3. Improper fill temperature.
4. Defective water inlet fill valve.
5. Defective actuator.

To replace actuator:
1. Replace actuator.
2. Replace actuator.
3. Replace actuator.
4. Replace actuator.
5. Replace actuator.

Product Specifications

Electrical

Rating: 120 volts, 60Hz 
Separate Circuit: 15 amp min. 
Motor Amps: 1.8 
Heater Wattage: 900 
Total Amps: 1.8 
Temp: 60°F to 120°F 
Water Temperature: 140°F (63°C)

Water Supply

Minimum incoming water temperature: 120°F (49°C) 
Pressure (PSI): 20/120 
Temperature: 140°F

Detergent and Rinse Aid Dispenser

1. Detergent allowed to stand too long in dispenser.
2. Dispenser wet when detergent was added.
3. Improper fill temperature.
4. Defective water inlet fill valve.
5. Defective actuator.

To replace water inlet fill valve:
1. Disconnect water inlet fill valve.
2. Install new fill valve on sump.
3. Reassemble and check water inlet fill valve.

Dishwasher with water in dispenser

1. Detergent allowed to stand too long in dispenser.
2. Dispenser wet when detergent was added.
3. Improper fill temperature.
4. Defective water inlet fill valve.
5. Defective actuator.

To replace actuator:
1. Replace actuator.
2. Replace actuator.
3. Replace actuator.
4. Replace actuator.
5. Replace actuator.

Personal Injury Hazard

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

Symptom Check the Following Remedy

1. Motor hums but will not start or run.
   1. Motor (bad bearing).
   2. Replace motor assembly.
   4. Replace motor/impeller assembly.
   5. Clean and clear blockage.

2. Dishwasher runs but will not heat.
   2. Electronic control board defective.
   3. Wiring or terminal defective.
   4. Thermostat failure.

3. 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. Electronic control board defective.
   6. Wiring or terminal defective.
   7. Float stuck in "UP" position.

4. Dishwasher will not pump out.
   1. Drain restricted.
   2. Electronic control board defective.
   3. Defective drain pump.
   4. Blocked impeller.
   5. Wire or terminal.

5. Detergent cover will not latch or open.
   1. Latch mechanism defective.
   2. Electronic control board defective.
   3. Wiring or terminal defective.
   4. Broken spring(s).
   5. Defective actuator.

6. Detergent and Rinse Aid Dispenser
   1. Detergent allowed to stand too long in dispenser.
   2. Dispenser wet when detergent was added.
   3. Improper fill temperature.
   4. Defective water inlet fill valve.
   5. Defective actuator.

To replace water inlet fill valve:
1. Disconnect water inlet fill valve.
2. Install new fill valve on sump.
3. Reassemble and check water inlet fill valve.

7. Water Supply

   1. Detergent allowed to stand too long in dispenser.
   2. Dispenser wet when detergent was added.
   3. Improper fill temperature.
   4. Defective water inlet fill valve.
   5. Defective actuator.

To replace actuator:
1. Replace actuator.
2. Replace actuator.
3. Replace actuator.
4. Replace actuator.
5. Replace actuator.

8. Detergent and Rinse Aid Dispenser
   1. Detergent allowed to stand too long in dispenser.
   2. Dispenser wet when detergent was added.
   3. Improper fill temperature.
   4. Defective water inlet fill valve.
   5. Defective actuator.

To replace water inlet fill valve:
1. Disconnect water inlet fill valve.
2. Install new fill valve on sump.
3. Reassemble and check water inlet fill valve.

9. Dishwasher with water in dispenser
   1. Detergent allowed to stand too long in dispenser.
   2. Dispenser wet when detergent was added.
   3. Improper fill temperature.
   4. Defective water inlet fill valve.
   5. Defective actuator.

To replace actuator:
1. Replace actuator.
2. Replace actuator.
3. Replace actuator.
4. Replace actuator.
5. Replace actuator.

10. Water Supply

    1. Detergent allowed to stand too long in dispenser.
    2. Dispenser wet when detergent was added.
    3. Improper fill temperature.
    4. Defective water inlet fill valve.
    5. Defective actuator.

To replace actuator:
1. Replace actuator.
2. Replace actuator.
3. Replace actuator.
4. Replace actuator.
5. Replace actuator.