**DISHWASHER CIRCUITS**

The following individual circuits are for use in diagnosis. Before starting diagnosis, check the line voltage and check for blown fuses.

**STAINLESS STEEL TUB PLATFORM WIRING DIAGRAM**

**PLASTIC TUB PLATFORM WIRING DIAGRAM**

**REMOVING THE ARTICULATED VENT ASSEMBLY:**

1. Disconnect electrical power from dishwasher.
2. Open dishwasher door and remove six (6) T-15 Torx head screws at the top of inner door panel to loosen assembly.
3. Hold console in place to prevent strain on wires or damage to outer door panel.
4. Close door and pull top of console away from door.

**FOR PLASTIC TUB MODELS ONLY:**

- Replace the locking tabs found at the four (4) arrows on the top of plastic electronics cover. Lift cover off and set aside.
- Disconnect the ribbon connector and all wiring harness connectors from console circuit board and door latch assembly.
- Set console aside.
- Disconnect electrical connectors from articulated vent motor terminals.
- Open dishwasher door and loosen, but do not remove, four (4) T-15 Torx head screws along left side of inner door panel.

- Close door and pull top of articulated vent assembly up and out from behind the outer door panel.
- Retain the vent louvers for use in reinstallation.

**REINSTALLING THE ARTICULATED VENT ASSEMBLY:**

1. Place a new seal ring in seal ring groove of vent assembly.
2. Close dishwasher door and place vent assembly behind outer door panel and position vent assembly as per door control inner door panel.
3. Open dishwasher door and place articulated vent assembly in place. Make sure it is seated. Turn louver clockwise by hand to engage vent assembly.
4. Reconnect electrical connections to dispenser assembly from inside the door.
5. Reconnect the eight (8) T-15 Torx head screws in the inner door panel.
6. Hold outer door panel in position and open dishwasher door.
7. Reconnect electrical power to dishwasher.

**REMOVING THE DETERGENT AND RINSE AID DISPENSER:**

1. Disconnect electrical power from dishwasher.
2. Open dishwasher door and remove eight (8) T-15 Torx head screws from inner door panel.
3. Hold outer door panel in place and close dishwasher door. Remove outer door panel by pulling top out approximately 1 inch and then pulling up.
4. Disconnect electrical connectors to the detergent dispenser solenoid and rinse aid dispenser switch.
5. Stainless Steel Tub Models Only:
   - a) Remove the top center head screw from the dispenser assembly and remove dispenser shield.
   - b) Remove remaining five (5) head screws from dispenser assembly.
   - c) Lift two (2) locking tabs away from dispenser assembly to free it for removal.
6. Plastic Tub Models Only:
   - a) Remove the six screws. See Figure 3.
   - b) Remove the two dispenser retainers and dispenser shield if present.
7. Open dishwasher door approximately 1/3 of the way and remove the dispenser assembly from inside the door.

**REINSTALLING THE DETERGENT AND RINSE AID DISPENSER:**

1. Open the dishwasher door and insert the dispenser assembly into the cutout in inner door panel.
2. Stainless Steel Tub Models Only:
   - a) Install the two (2) head screws to secure dispenser assembly to inner door panel.
   - b) Place dispenser shield in position over dispenser assembly and secure with the remaining two (2) head screws in the top center position. See Figure 2.
3. Plastic Tub Models Only:
   - a) Install the bottom retaining and the three screws.
   - b) Install the dispenser shield (if used), top retaining and screws. See Figure 3.
4. Reconnect electrical connectors to the detergent dispenser solenoid and rinse aid dispenser switch.
5. Place outer door panel in position on door frame by sliding panel down into key slots in door frame and pulling top panel into place.
6. Hold outer door panel in position and open dishwasher door.
7. Reinstall the eight (8) T-15 Torx head screws in the inner door panel.
8. Reconnect electrical supply to dishwasher.

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**WARNING**

**Electrical Shock Hazard**

**Disconnect power before servicing.** Replace all panels before operating. Failure to do so can result in death or electrical shock.

**Electrostatic Discharge (ESD)**

Sensitive Electronics

ESE problems are present everywhere. ESD may damage or weaken the electronic board. The new board may appear to work well after repair is completed, but failure may occur at a later date due to ESD stress.

- Use an anti static wrist strap. Connect wrist strap to ground connection point or unpainted metal in the appliance.
- Always check wiring harness and connectors beside wires on the connector with the AC power supply at the fuse box before replacing a component. Always check wiring harness and connectors beside wires on the connector with the AC power supply at the fuse box before replacing a component.
- Disconnect power supply before touching the circuit board or re-wiring connections.
- Voltage checks are made by inserting probes into circuit boards. Disconnect power supply before touching the circuit board or re-wiring connections.
- Always check wiring harness and connectors beside wires on the connector with the AC power supply at the fuse box before replacing a component. Always check wiring harness and connectors beside wires on the connector with the AC power supply at the fuse box before replacing a component.
- Anti static bags used for the system components and for the system board components. Anti static bags used for the system components and for the system board components.
- Resistance checks are made on components with the wiring harness disconnected.

**DISHWASHER CIRCUITS**

The following individual circuits are for use in diagnosis. Before starting diagnosis, check the line voltage and check for blown fuses.

**FILL**

**WASH / RINSE**

**WATER HEATING**

**VENT**

**STAINLESS STEEL TUB PLATFORM WIRING DIAGRAM**

**PLASTIC TUB PLATFORM WIRING DIAGRAM**

**REMOVING THE ARTICULATED VENT ASSEMBLY:**

1. Disconnect electrical power from dishwasher.
2. Open dishwasher door and remove six (6) T-15 Torx head screws at the top of inner door panel to loosen assembly.
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4. Close door and pull top of console away from door.

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- Disconnect the ribbon connector and all wiring harness connectors from console circuit board and door latch assembly.
- Set console aside.
- Disconnect electrical connectors from articulated vent motor terminals.
- Open dishwasher door and loosen, but do not remove, four (4) T-15 Torx head screws along left side of inner door panel.

- Close door and pull top of articulated vent assembly up and out from behind the outer door panel.
- Retain the vent louvers for use in reinstallation.

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1. Place a new seal ring in seal ring groove of vent assembly.
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3. Open dishwasher door and place articulated vent assembly in place. Make sure it is seated. Turn louver clockwise by hand to engage vent assembly.
4. Reconnect electrical connections to dispenser assembly from inside the door.
5. Reconnect the eight (8) T-15 Torx head screws in the inner door panel.
6. Hold outer door panel in position and open dishwasher door.
7. Reconnect electrical power to dishwasher.

**REMOVING THE DETERGENT AND RINSE AID DISPENSER:**

1. Disconnect electrical power from dishwasher.
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5. Place outer door panel in position on door frame by sliding panel down into key slots in door frame and pulling top panel into place.
6. Hold outer door panel in position and open dishwasher door.
7. Reinstall the eight (8) T-15 Torx head screws in the inner door panel.
8. Reconnect electrical supply to dishwasher.

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**SPECIFICATIONS**

- **Electrical Supply:**
  - Line: 120 VAC, 60 Hz, minimum. 25 PSI minimum.
  - Supply Water Flow Rate: To 15.4 gallons (58 liters) per minute. 25 PSI minimum.
- **Water Temperature:**
  - To 71°F (22°C) at 40°F (5°C) with water from sink faucets.

**REPAIR KITS**

- Single Flex Heat Kit No. 676453

**OTHER PATENTS PENDING**

- *Vinyl Rack Patch Kit No. 676453*
### COMMON CYCLE TIME CHART NOTES

**NOTE 1 – CYCLE MODIFICATIONS BASED ON SENSOR INPUTS**

The Soaking/Sensing and APF enabled intervals (cycle intervals that can be sensed) are determined by the sensors located in the dishwasher. The dishwasher will modify the cycle based on sensor readings during certain intervals.

**NOTE 2 – APF ENABLED INTERVALS**
The APF (Automatic Pressure Fit) function is designed to control the amount of water released to the dishes by detecting and modifying the water pressure of the wash water.

**NOTE 3 – STUCK PRESSURE SWITCH DETECTION**

If a stuck pressure switch is detected, the dishwasher will delay the completion of the cycle until it can be cleared.

**NOTE 4 – THERMALLY CAPPED INTERVALS**

Some intervals of the cycle may be thermally capped, which means the water temperature will be limited to a certain maximum temperature.

**NOTE 5 – THERMAL HOLD SETPOINT TEMPERATURES**

The thermal hold temperatures for different cycles are specified in the chart.

**NOTE 6 – WATER HEATING (THERMAL HOLD) STATUS INDICATOR**

The indicator will show if the thermal hold status is on or off.

**NOTE 7 – HI TEMP SCRUB/HI TEMP SCRUB OPTION**

This option is available for certain cycles and allows for an increased temperature during the wash cycle.

**NOTE 8 – END-OF-CYCLE STATUS INDICATORS**

The cycle status indicators are designed to show if the cycle has been completed.

**NOTE 9 – PROG BAR R1**

The progress bar is used to show the progress of the cycle.

**NOTE 10 – BAR GRIP**

The bar grip is used to control the cycle speed.

**NOTE 11 – AIR DRIVEN HEAT DRY ENZYME SOAP OPTION**

This option is used for cycles that require heat dry.

**NOTE 12 – SPECIAL WASH AND DRY CYCLE – KIDSAFE**

This option is used for cycles that require special washing and drying.

**OPTION NOTES**

- **NOTE 14 – HI TEMP SCRUB/HI TEMP SCRUB OPTION**
- **NOTE 15 – HI TEMP SCRUB/HI TEMP SCRUB OPTION**
- **NOTE 16 – AIR DRIVEN HEAT DRY ENZYME SOAP OPTION**
- **NOTE 17 – AIR DRIVEN HEAT DRY ENZYME SOAP OPTION**

**ERROR MESSAGES**

- **STUCK KEY**
- **ERROR CODES**

### COMMON CYCLE TIME CHART

<table>
<thead>
<tr>
<th>INTERVAL TIME</th>
<th>NUMERIC DISPLAY</th>
<th>CYCLE PROGRESS</th>
<th>STATUS INDICATORS</th>
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### DIAGNOSTICS CYCLE TIME CHART

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<tr>
<th>NOTE 1 – HI TEMP SCRUB/HI TEMP SCRUB OPTION</th>
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<tr>
<td>NOTE 2 – THERMOMETER OPEN/SHORT DETECTION</td>
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<td>NOTE 3 – THERMOMETER SHORT/OPEN DETECTION</td>
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