

WASHABILITY COMPLAINTS

- Supply water temperature should be 120°F to 150°F (49°C to 66°C) for best results.
- Improper loading.
- Old detergent expired, caked or clumping.
- Detergent cup is not releasing or is opening too soon.
- Low water fill due to low water supply pressure or clogged water valve.
- Hard water film (water with 12 grains or more hardness may require a water softener), use more detergent.
- Etching (usually on glassware), caused by a combination of soft water (0-4 grains), water temperature over 160°F (71°C), or too much detergent.

- Dishes not loaded to permit proper draining.
- Rinse aid not being used in models equipped with automatic rinse aid dispenser.
- Supply water temperature under 140°F (60°C). Open faucet to purge cold water out of hot water line.
- Low voltage power supply.
- Failed heating element – a good element has a resistance of 29.5 Ω – 32.5 Ω .

- Red or brown stains (iron stains) on the tub or dishes may be caused by as little as 1 ppm of iron in the water supply.
To remove:
 - Remove all dishware and silverware.
 - Place citric acid in covered cup.
 - Allow dishwasher to run through complete normal cycle uninterrupted. The dry cycle may be omitted.
- Hard water film/film/lime deposit build-up.
To remove:
 - Pour 2 cups of vinegar into empty dishwasher and run through RINSE cycle. Filmed glasses/dishware may also be cleaned in this manner, but not silverware.

TO ENTER SERVICE MODE:

TO EXIT SERVICE MODE:

No.	Component	Note
1	Water Valve	Turn on water valve. The flow meter will allow 3 L of water to come in.
2	Wash Pump Heater	Turn on the wash pump. After 10 seconds the heater will turn on. The beeper will sound when the temperature has risen 3 - 5 degrees. The dishwasher will stop when the temperature has reached 57°C. Press START to enter the next step.
3	Dispenser	Turn on the dispenser for 45 seconds.
4	Pause	Pause for 30 seconds.
5	Drain Pump	Turn on the drain pump for 30 seconds.
6	END	Beep one time.

Display	Error	Error Description
E1	Water inlet Failure	During the water inlet step, if the flow meter can't detect a correct fill after 4 minutes, E1 will be displayed.
E3	Heater failure	When the temperature doesn't reach the correct value after 90 minutes, E3 will be displayed.
E4	Overflow	If water flows into the base and activates the flood detection switch, the dishwasher will display E4.
E6	NTC open circuit failure	Temperature sensor open circuit.
E7	NTC short circuit failure	Temperature sensor short circuit.

Failure solutions:

1. If an alarm occurs, the machine will enter a failure solving process: The buzzer sounds once per second for 30 seconds. The error code will be displayed. During that time, the drain pump will turn on for 2 minutes.
2. During the drain, if the door is opened, the drain timing will pause.

The schematic diagram illustrates the electrical control system for an automatic water filling system. It is divided into a main control section and an optional section.

Main Control Section:

- Power Supply:** L (Line) and GN (Ground) are connected to the system.
- Control Panel (CON1):** Includes terminals for N HEAT-L (ACN), L (ACL), and P01 (RELAY).
- Relays and Fuses:** P01 (RELAY) is connected to a Fuse, which then branches into four relays (RELAY) and a PS (Pressure Switch) relay.
- Actuators:**
 - Wash Pump:** Controlled by ML-H (BK) and ML-L (YL) relays.
 - Diverter:** Controlled by EV3 (OR) relay.
 - Drain Pump:** Controlled by PS (RD) relay.
- Other Components:** R Heater, P02, PK, BU (Bellows Unit), and C (Capacitor) are also shown.

Optional Section (OPTION):

- Control Panel (CON2):** Includes terminals for WH, RD, BK, WH, BK, BU, CN6, IS, +12 V, RE, IAQS, ISB, FM, GND, CN4, and CN3.
- Optional Features:**
 - Turbidity Sensor:** Connected to WH, RD, BK, and CN3.
 - LAMP:** Connected to WH and +12 V.
 - FANs:** FAN1, FAN2, and FAN3 are connected to BU, DC FAN, and BU respectively.

The diagram uses standard electrical symbols for relays, fuses, pumps, heaters, and sensors. Wires are color-coded (e.g., BK for black, YL for yellow, RD for red, WH for white, BU for blue, GY for grey, OR for orange).

SPECIFICATIONS

Upper Spray Arm Rotation: 15 rpm – 40 rpm

COMMON CAUSES OF LEAKS

- Tub gasket not firmly seated in corners.
- Tub shifted out of square during installation, causing leak in upper corners.
- Spray arm split, open crimp seams, or binding.
- Sudsing, which may be caused by:
 - Use of non-dishwasher detergent.
 - Low water temperature should be 120°F to 150°F (49°C to 66°C).
 - Inferior dishwasher detergent not suppressing foam.

- Motor shaft seal damaged or defective.
- Pump housing cracked.
- Hose connections loose.

NOTE: Water level after a complete fill should be approximately 2.5" (6.35 cm) above the heating element.

