

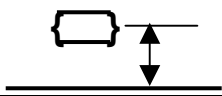


QC- 004

Quick Check Dishwasher

Models: ESD100, 101,102, 200, 201, 202, 210, 211,
HDB18EB, HDB18EBS, HDP18PA

The following information is an operational and service QUICK CHECK giving common conditions and issues.
This is a trouble shooting guide and not to be used as a sole diagnostic tool or service manual.

Overview	All models built on same design. Stainless tub, removable filter, no solid waste disposer.
ESD 100 – 200 Series	24" built-in full feature. ESD 100 series – Manual timer ESD 200 series – Electronic timer
HDB – HDP Series	18" wide full feature. HDB is built in. HDP is portable electronic control
Error Message	Red lights flashing and Alarm sounding -- all models
Pots and Pans light flashing	Door Latch Switch or Wiring Malfunction - Test and correct
above plus Normal and Light Wash lights flashing	Low or No Water Fill -- This model has a time and pressure fill. Slow filling or no water will activate this symptom.
above plus Rinse and Hold lights flashing	Water Not Draining -- check for plugged drain, dirty filter in bottom of tank, kinked drain line
ALL lights flashing	Water Overflow Into base pan. This model has a float switch in the base pan, which will activate if water is present. Unit will not restart until water is removed from base.
Portable models	Check water inlet hose for leaks at the fill solenoid. Generally inlet hose fitting is loose allowing water to drip into base pan. Inspect hose washer and retighten fitting. Lay a towel on floor next to the cabinet and tilt the cabinet 45° and drain water onto towel.
All Models	<ul style="list-style-type: none"> - Check for water leaks or overflow. Insure all fittings and seals are tight - An overflow located in bottom of tank will drain excess water into base pan. - Incorrect detergent causing sudsing – Instruct customer on proper detergent use.
	Check water inlet for leaks at the fill solenoid.
	Use PAUSE button on control panel before opening door. DO NOT stop wash action with the door latch switch only. This allows time for water to sheet down inner door panel into base.
Manual Timer Stalls in same place ESD100 series	If timer repeatedly stalls in the wash cycle, check and replace HIGH TEMP WASH switch. Contacts may be open allowing water to heat but does not feed the timer circuit.
Long Wash Cycle --all models	<p>Wash timer (mechanical and electronic) will 'stall' as the water heats to minimum of 120°F. Temperature rise is approximately 3°F per minute. Timer will also 'stall' if HIGH TEMP WASH option is selected until water heats to 160°F in final rinse.</p> <p>If water does not heat, check heater, heater thermostat, thermistor, circuit board (if equipped), mechanical selector switch (if equipped).</p>
Wash on middle and upper spray arms only	<p>Some models can select Upper Rack Wash Only</p> <p>Check upper wash solenoid flapper valve on left side of pump body.</p> <ul style="list-style-type: none"> - Remove cover and clean any foreign materials from behind flapper valve. - Use amp probe to check circuit. Power should be applied only if cycle is selected.
Water Level	<p>Distance from the rib on the side of the wash arm to the water level is about 1 ¼" (32mm)</p> 
Convection Dry	ESD200 series models have a convection dry motor located in the inner door panel
Component Access	<ul style="list-style-type: none"> - Remove outer door cover - Remove convection cover from inner door – first remove locking screw located next to convection return air hose inside of inner door panel. This is a stainless screw and difficult to see. - Twist convection fan cover on door liner counter- clockwise ¼". Remove screws and retainers behind convection cover to remove motor. Do not remove screws from fan motor assembly.
Whistling noise during dry	Convection dry return air hose may be pushed too far into cover. Remove cover and pull hose outward until it is flush with the inner convection cover.
Component Access	<ul style="list-style-type: none"> - To access components in the machine compartment, it is necessary to first remove the outer door cover. - To remove the inner kick panel, remove the retaining screws then carefully pry the side panel outward and then remove the inner panel. A screwdriver slot is provided to help move the panel outward. - The drain pump motor is removed by first removing a locking screw which must be replaced when reinstalling the motor.

This information is intended to be used by a trained appliance technician familiar with the testing of electrical and mechanical components.