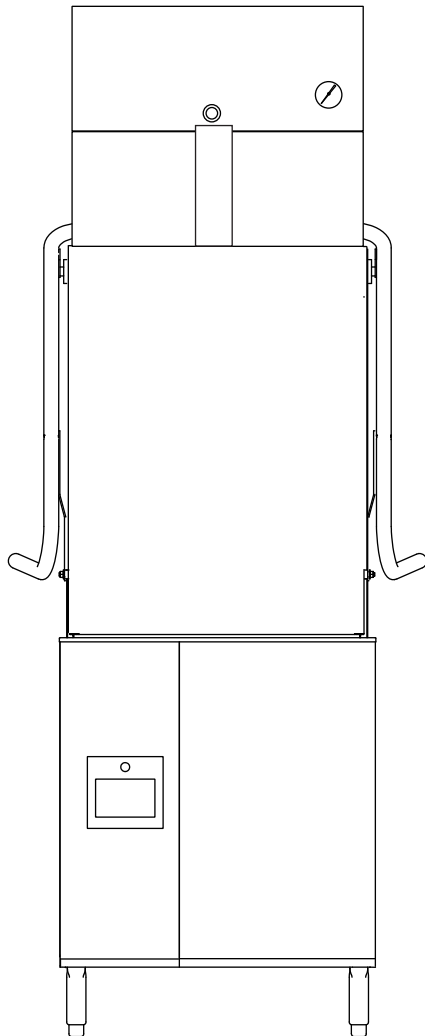


Champion®

Operation, Cleaning and Maintenance Manual



Models: DH6000T

Hot water sanitizing machine w/fresh water rinse and built-in stainless steel electric booster

Options: Ventless Heat Recovery



Issue Date: 3.30.18

Manual P/N 116084 rev. -

For machines beginning with S/N xxxxxxxxxx and above

3765 Champion Boulevard
Winston-Salem, NC 27105
(336) 661-1556 Fax: (336) 661-1660
Toll-free: 1 (800) 858-4477

2674 N. Service Road, Jordan Station
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Printed in the USA



National Service Department

In Canada:

Toll-free: (800) 263-5798
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Fax: (905) 562-4618
email: service@moyerdiebellimited.com

In the USA:

Toll-free: (800) 858-4477
Tel: (336) 661-1556
Fax: (336) 661-1660
email: service@championindustries.com

ATTENTION

The model no., serial no., voltage, Hz and phase are needed to identify your machine and to answer questions.

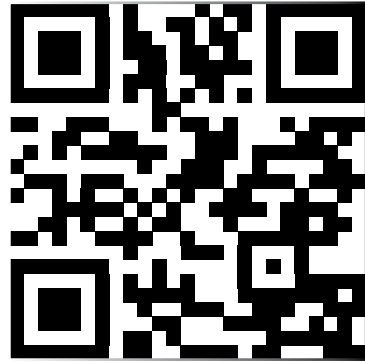
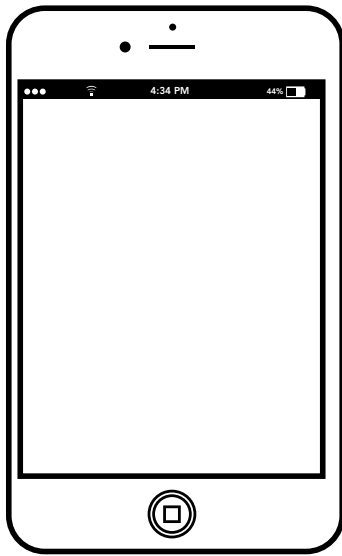
**The machine data plate
is located on the right front corner
of the lower panel**

Please have this information ready if you call for service assistance.



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Three ways to REGISTER YOUR PRODUCT and ACTIVATE YOUR WARRANTY.



- Use your mobile device to scan the QR code located on the front panel of your machine or enter our URL <http://www.champdw.us/DH6000T>.
- Visit our website at www.championindustries.com and register your product there.
- Use the fax form on the next page and fax to 1-800 661-1660.

PRODUCT REGISTRATION BY FAX

COMPLETE THIS FORM AND FAX TO:

(336) 661-1660 in the USA

1-(800) 204-0109 in Canada

PRODUCT REGISTRATION CARD

Model

Serial #

Date of Installation: ____/____/____

Company Name: _____

Address: _____
(Street) Province Postal Code

Telephone #: () ____ --- ____

Contact: _____

Installation Company: _____

Address: _____

Telephone #: _____

Contact: _____

FAILURE TO REGISTER YOUR PRODUCT MAY VOID YOUR WARRANTY

IMPORTANT

IMPORTANT

Revision History

Specifications are subject to change based on continual product improvement. Equipment owners may request a revised manual, at no charge, by calling 1 (800) 858-4477 in the USA or 1(800) 263-5798 in Canada.

<i>Revision Date</i>	<i>Revised Pages</i>	<i>Serial Number Effectivity</i>	<i>Revision Description</i>
3.30.18	All	DXXXXXXXXXXXXXXXXX	Released first edition

Limited Warranty

LIMITED WARRANTY

Champion Industries (herein referred to as "The Company"), 3765 Champion Blvd., Winston-Salem, North Carolina 27105, and 2674 N. Service Road, Jordan Station, Ontario, Canada, L0R 1S0, warrants machines, and parts, as set out below.

Warranty of Machines: The Company warrants all new machines of its manufacture bearing the name "Champion and installed within the United States and Canada to be free from defects in material and workmanship for a period of one (1) year after the date of installation or fifteen (15) months after the date of shipment by The Company, whichever occurs first. [See below for special provisions relating to glasswashers.] Warranty registration must be submitted to The Company within ten (10) days after installation either online on the Champion Industries website (<http://www.champion-industries.com>) or by the fax form provided at the front of this manual. The Company will not assume any responsibility for extra costs for installation in any area where there are jurisdictional problems with local trades or unions.

If a defect in workmanship or material is found to exist within the warranty period, The Company, at its election, will either repair or replace the defective part or accept return of the machine for full credit; provided; however, as to glasswashers, The Company's obligation with respect to labor associated with any repairs shall end (a) 120 days after shipment, or (b) 90 days after installation, whichever occurs first. In the event that The Company elects to repair, the labor and work to be performed in connection with the warranty shall be done during regular working hours by a Champion authorized service technician. Defective parts become the property of The Company. Use of replacement parts not authorized by The Company will relieve The Company of all further liability in connection with its warranty. In no event will The Company's warranty obligation exceed The Company's charge for the machine. The following are not covered by The Company's warranty:

- a. Lighting of gas pilots or burners.
- b. Cleaning of gas lines.
- c. Replacement of fuses or resetting of overload breakers.
- d. Adjustment of thermostats.
- e. Adjustment of clutches.
- f. Opening or closing of utility supply valves or switching of electrical supply current.
- g. Cleaning of valves, strainers, screens, nozzles, or spray pipes.
- h. Performance of regular maintenance and cleaning as outlined in the operator's guide.
- i. Damages resulting from water conditions, accidents, alterations, improper use, abuse, tampering, improper installation, or failure to follow maintenance and operation procedures.
- j. Wear on Pulper cutter blocks, pulse vanes, and auger brush.

Examples of the defects not covered by warranty include, but are not limited to: (1) Damage to the exterior or interior finish as a result of the above, (2) Use with utility service other than that designated on the rating plate, (3) Improper connection to utility service, (4) Inadequate or excessive water pressure, (5) Corrosion from chemicals dispensed in excess of recommended concentrations, (6) Failure of electrical components due to connection of chemical dispensing equipment installed by others, (7) Leaks or damage resulting from such leaks caused by the installer, including those at machine table connections or by connection of chemical dispensing equipment installed by others, (8) Failure to comply with local building codes, (9) Damage caused by labor dispute.

Warranty of Parts: The Company warrants all new machine parts produced or authorized by The Company to be free from defects in material and workmanship for a period of 90 days from date of invoice. If any defect in material and workmanship is found to exist within the warranty period The Company will replace the defective part without charge.

DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITY. THE COMPANY'S WARRANTY IS ONLY TO THE EXTENT REFLECTED ABOVE. THE COMPANY'S MAKE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED, TO ANY WARRANTY OF MERCHANTABILITY, OR FITNESS OF PURPOSE. THE COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE REMEDIES SET OUT ABOVE ARE THE EXCLUSIVE REMEDIES FOR ANY DEFECTS FOUND TO EXIST IN THE COMPANY'S' DISHWASHING MACHINES AND THE COMPANY'S PARTS, AND ALL OTHER REMEDIES ARE EXCLUDED, INCLUDING ANY LIABILITY FOR INCIDENTALS OR CONSEQUENTIAL DAMAGES.

The Company does not authorize any other person, including persons who deal in Champion dishwashing machines to change this warranty or create any other obligation in connection with Champion dishwashing machines.

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Safety Symbols

Safety Symbols

The following symbols are used throughout this manual to alert the reader to important information.



WARNING:

Warning statements indicate a condition or practice that can result in personal injury or possible death.



CAUTION:

Caution statements indicate a condition or practice that can result in damage to the machine or associated equipment.



NOTE:

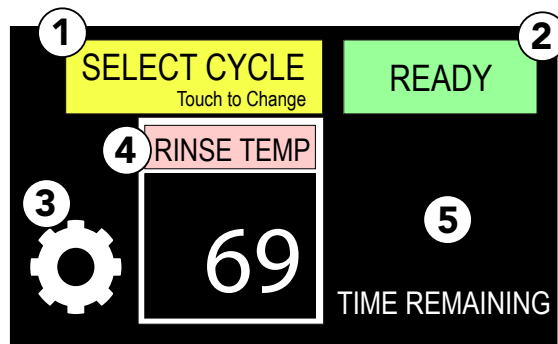
Note statements highlight important information necessary for the operation of the machine.

Controls

The pressure gauge is located at the top of the machine. The control panel is located on the front left side of the lower panel.

- A - Pressure Gauge** - Displays the incoming water pressure to the machine.
- B - Green Push Button Power Switch** - Turns the power on and off.
- C - HMI, (Human Machine Interface)** - digital touchscreen display shows operational status and time cycle selections.

HMI Display Screen



- ① Select a 1, 2, 4, or 6 minute wash cycle.
- ② Status window shows the condition of the machine such as, FILLING, READY etc.
- ③ Settings Menu Icon to access operator and service technician menu screens.
- ④ Temperature display window shows wash and final rinse temperatures.
- ⑤ Time Remaining area shows the elapsed time in the cycle (example: Washing).

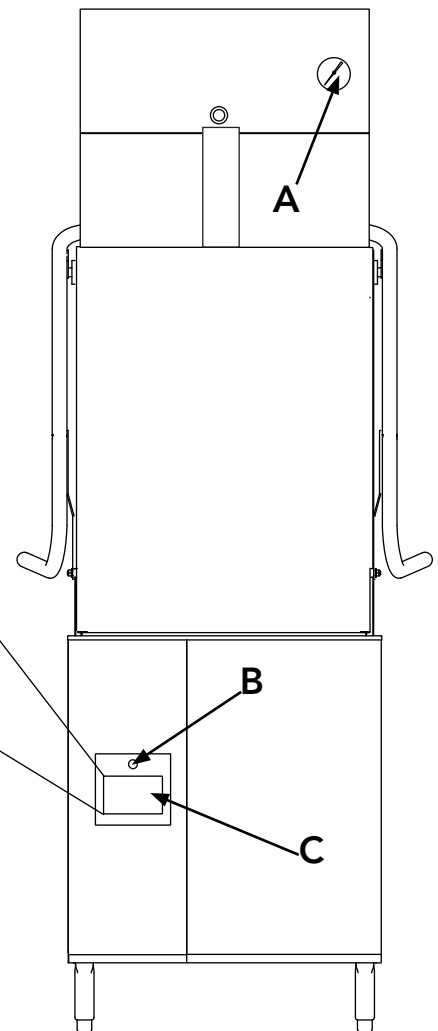


Fig. 1

Cycle Times

- The DH6000T operates as a dishwasher using 1 and 2 minute cycles and as pot/pan washer using the 4 and 6 minute time cycles (see Tables 1 and 2 below).

STANDARD CYCLE OPTION*	STANDARD CYCLE TIMES
Dishwasher Cycle Option 1	Approx. 1 minute
Wash	35 seconds
Rinse	10 seconds
Dwell **	15 seconds
Dishwasher Cycle Option 2	Approx. 2 minutes
Wash	95 seconds
Rinse	10 seconds
Dwell **	15 seconds
Pot/Pan Cycle Option 4	Approx. 4 minutes
Wash	215 seconds
Rinse	15 seconds
Dwell **	10 seconds
Pot/Pan Cycle Option 6	Approx. 6 minutes
Wash	335 seconds
Rinse	15 seconds
Dwell **	10 seconds

Table 1

VHR CYCLE OPTION	VHR CYCLE TIMES
Dishwasher Cycle Option 1	Approx. 1 minute
Wash	35 seconds
Rinse	10 seconds
Dwell **	15 seconds
Recovery ***	30 seconds
Dishwasher Cycle Option 2	Approx. 2 minutes
Wash	95 seconds
Rinse	10 seconds
Dwell **	15 seconds
Recovery **	30 seconds
Pot/Pan Cycle Option 4	Approx. 4 minutes
Wash	215 seconds
Rinse	15 seconds
Dwell *	10 seconds
Recovery ***	30 seconds
Pot/Pan Cycle Option 6	Approx. 6 minutes
Wash	335 seconds
Rinse	15 seconds
Dwell **	10 seconds
Recovery ***	30 seconds

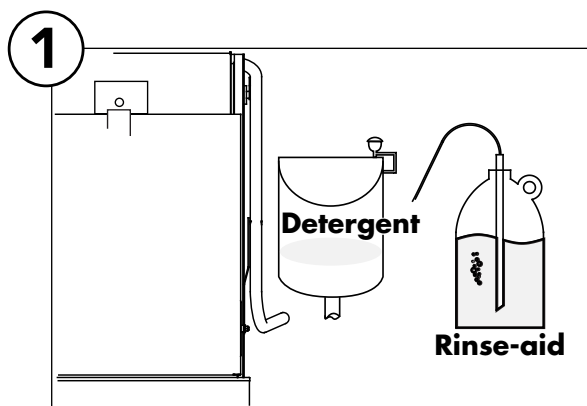
Table 2

* Cycle times can be changed when machine is washing.

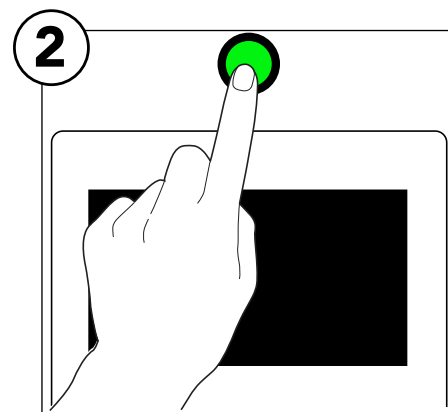
** Cycle pauses.

*** Exhaust fan runs to remove steam and recover heat from wash chamber.

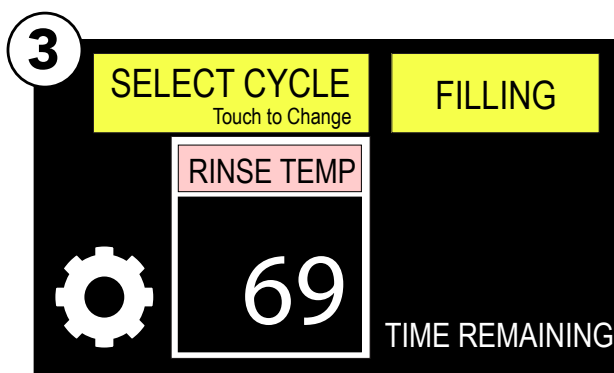
Operation Sequence



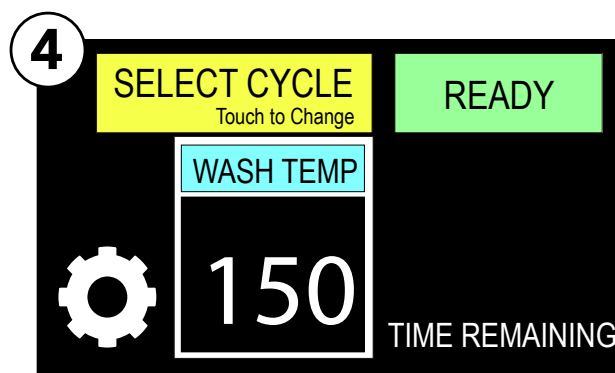
Check the chemical containers and refill as needed.



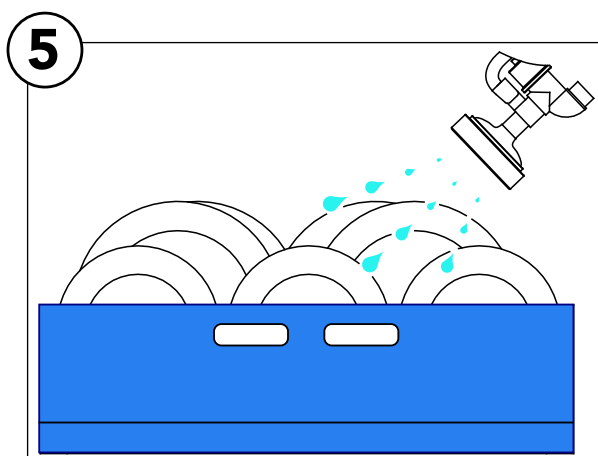
Push the green power button ON.



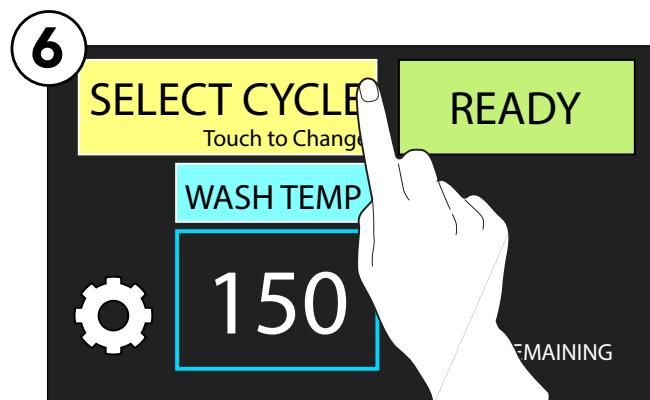
Filling is displayed as machine fills automatically.



When READY appears, wait 15-20 minutes for WASH TEMP to indicate 150.



Prescrub and load wares into dish rack. Wash one rack at a time and do not overload the rack. Slide the rack into the machine and close the door.

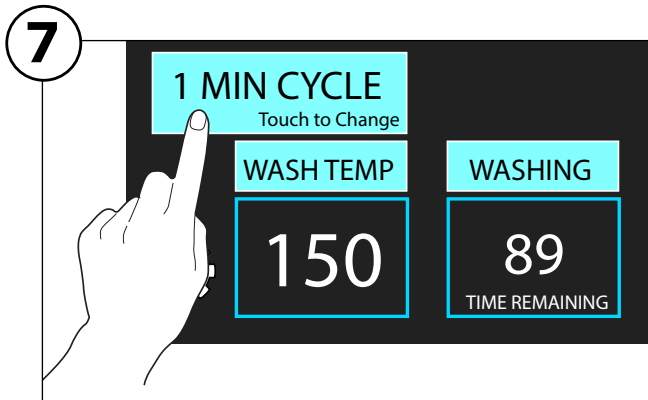


Touch the SELECT CYCLE button to choose a cycle. Each touch advances the selection between 1, 2, 4, and 6 minutes.

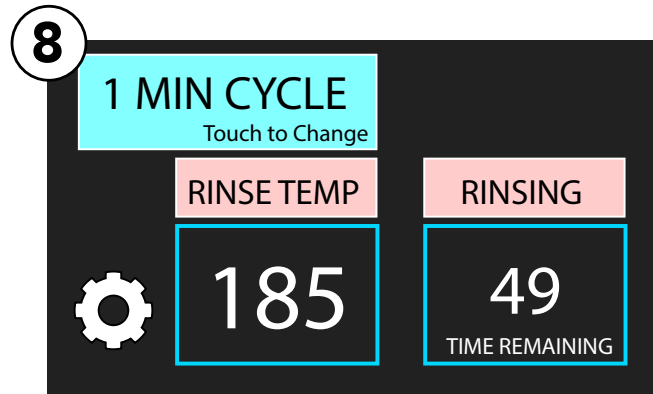
NOTE: THE DISHWASHER WILL NOT START UNTIL A CYCLE IS SELECTED.

Continued on next page.

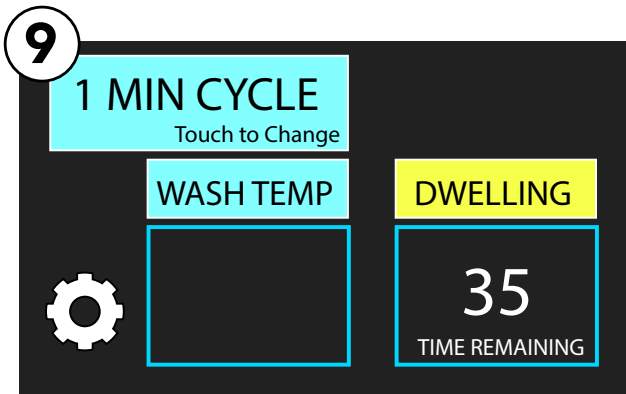
Operation Sequence (continued)



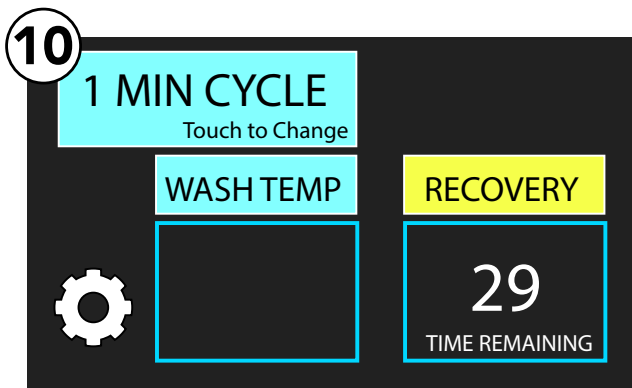
When 1 MIN CYCLE is selected, the machine starts and the WASHING time remaining counter is displayed.



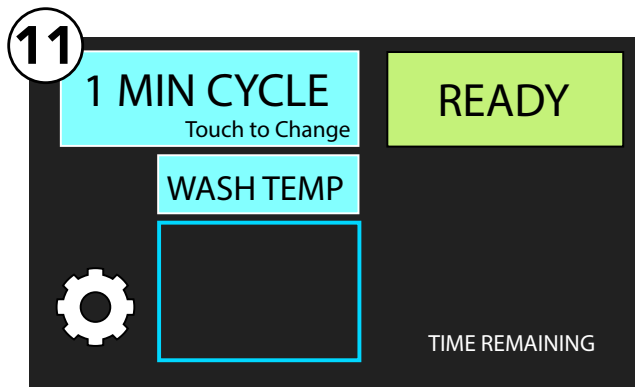
At the end of the wash cycle the 15 sec. final rinse begins. The RINSE TEMP displays must be between 185-195°F.



DWELLING is displayed as the 10 sec. DWELL begins.



FOR VHR ONLY: RECOVERY is displayed as the heat recovery fan removes steam from the wash chamber.



The display returns to READY at the end of the 1 MIN CYCLE. Open the doors, and remove the rack of clean wares.



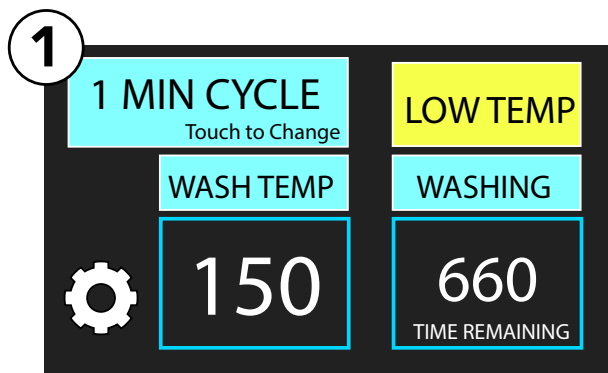
NOTE:

The Standard Machine operation sequence is identical to the VHR except it does not have include RECOVERY time.

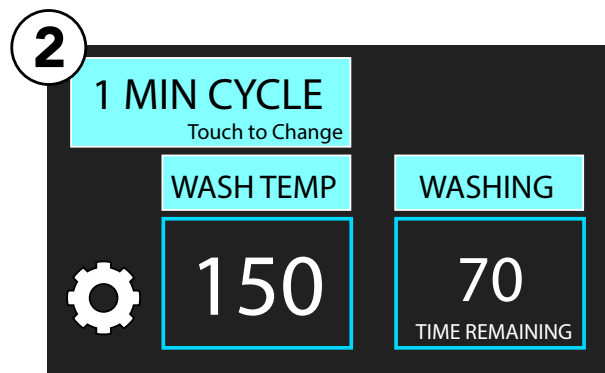
Rinse Sentry

- Rinse Sentry extends the wash cycle time 660 seconds so the final rinse booster tank temperature has time to reach the minimum required final rinse water temperature of 180°F.
- After 660 seconds, Rinse Sentry will stop and the cycle will resume unless the optional LOW TEMP LOCKOUT feature is enabled.

The Rinse Sentry operation follows:



The booster LOW TEMP alarm appears and 660 seconds begins to countdown in the TIME REMAINING window.

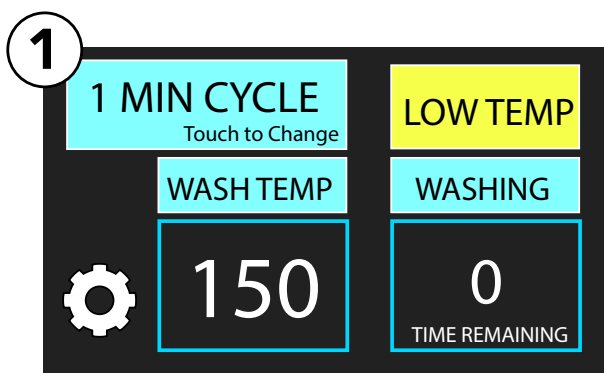


The LOW TEMP alarm disappears when the booster reaches temperature and the normal cycle resumes.

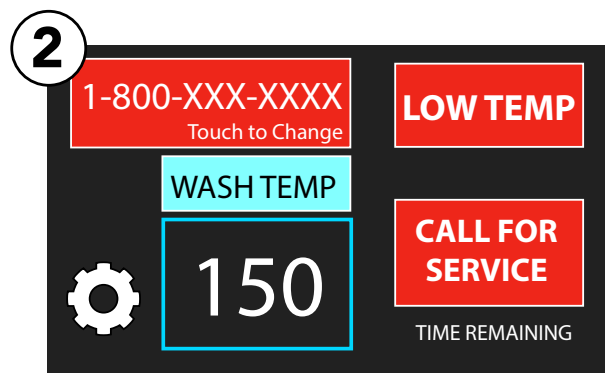
Low Temp Lockout Option

- The low temp lockout option is set at the factory or in the field by a service technician.
- It stops the machine if the rinse sentry alarm is activated for longer than 660 seconds.
- Only an authorized service technician may reset the lockout.

The LOW TEMP LOCKOUT operation follows:



The 660 second Rinse Sentry Time Remaining countdowns to zero.



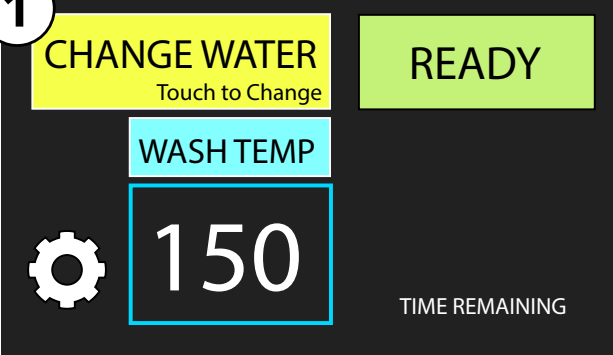
The machine locks out, a red LOW TEMP alarm appears, CALL FOR SERVICE appears, and a service number to call appears.

Change Water Alarm Option

- The alarm alerts the operator to drain and refill the machine after a preset number of wash cycles have elapsed.
- The alarm will not lockout the machine operation but will remain on the display until the alarm is reset.

The CHANGE WATER ALARM operation follows:

1



CHANGE WATER
Touch to Change

READY

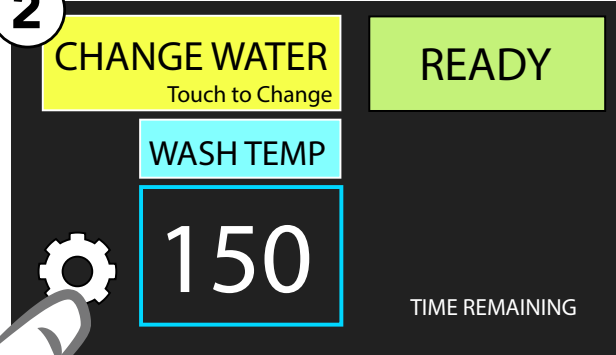
WASH TEMP

150

TIME REMAINING

CHANGE WATER appears in the select cycle window indicating it is time to drain and refill the dishwasher with fresh water.

2



CHANGE WATER
Touch to Change

READY

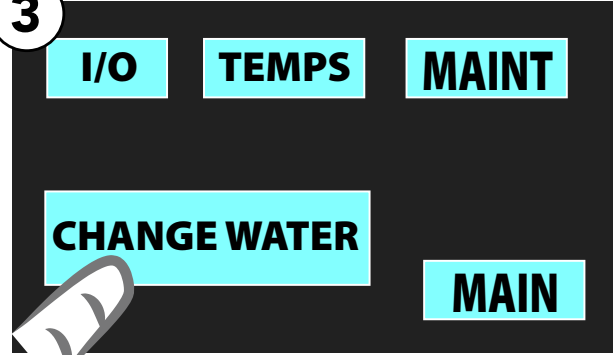
WASH TEMP

150

TIME REMAINING

Touch the GEAR symbol to access the settings screen.

3



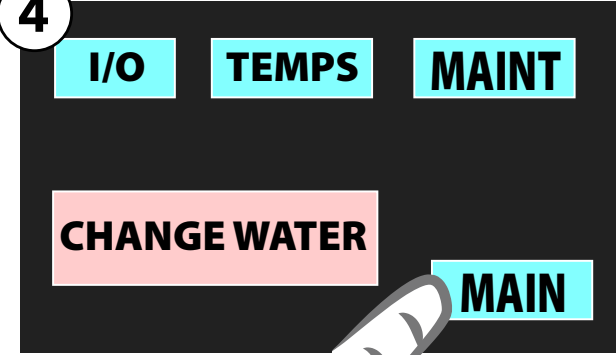
I/O **TEMPS** **MAINT**

CHANGE WATER

MAIN

Touch the CHANGE WATER button to reset the alarm.

4



I/O **TEMPS** **MAINT**

CHANGE WATER

MAIN

Touch MAIN to resume normal operation.

Automatic Electric Drain Valve

- The drain valve is located underneath the dishwasher and is connected to the building drain line. It opens automatically whenever power to the dishwasher is off.
- The drain valve has a lever for manually open the valve if necessary.

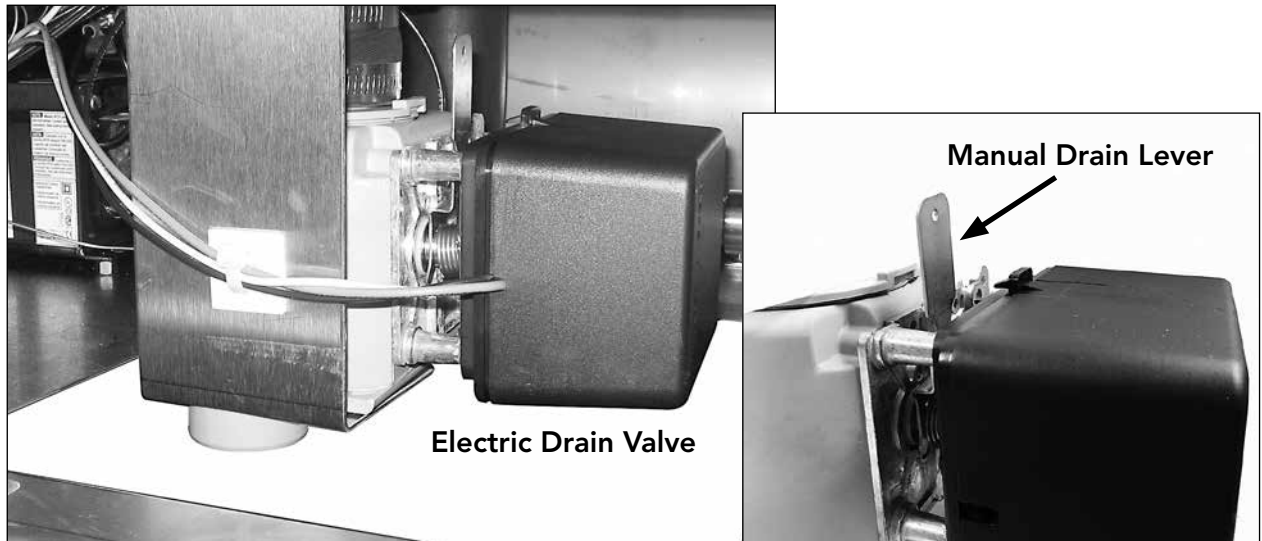


Fig. 2

To Drain the Machine:

- Open the dishwasher doors and remove any wares from the machine.
- Push the green power switch off.
- The drain valve will open for 10 minutes, then close.
- The dishwasher will power off.
- Pushing the power switch on and immediately off will initiate another 10 minute drain cycle.

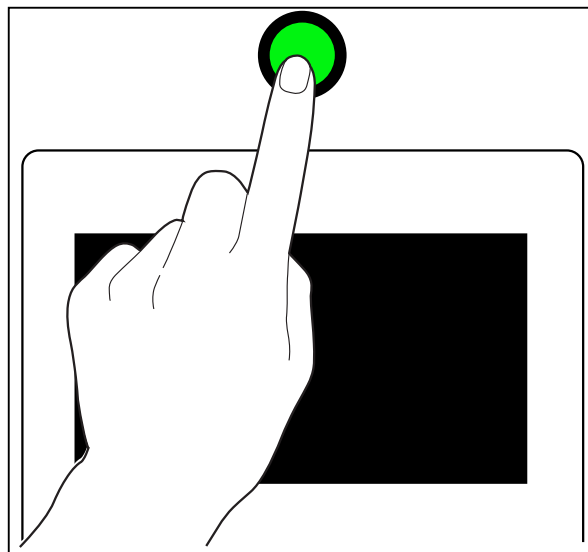


Fig. 3

Machine Assembly

To Assemble the dishwasher:

- Install the pump suction strainer.
- Install the scrap screens and screen spacer.
- Install the upper and lower wash and rinse spray arms. The arms are interchangeable.
- Make sure the arms spin freely.

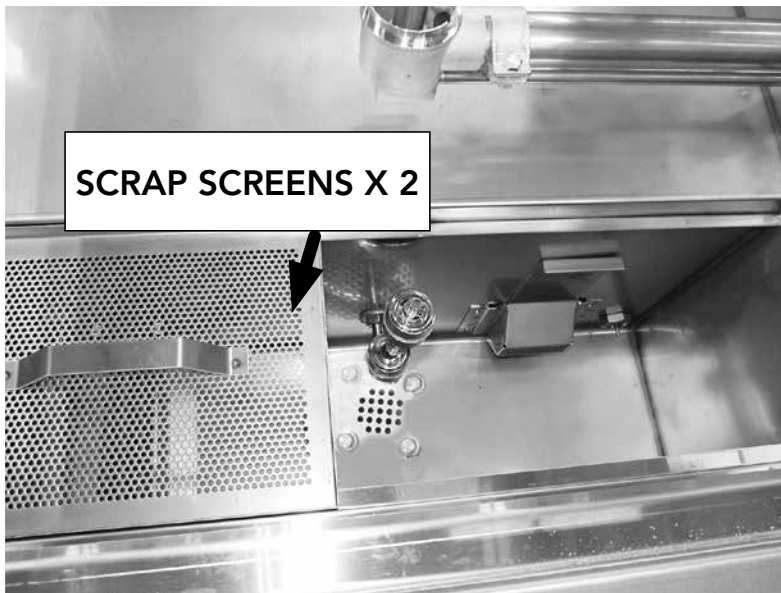


Fig. 4

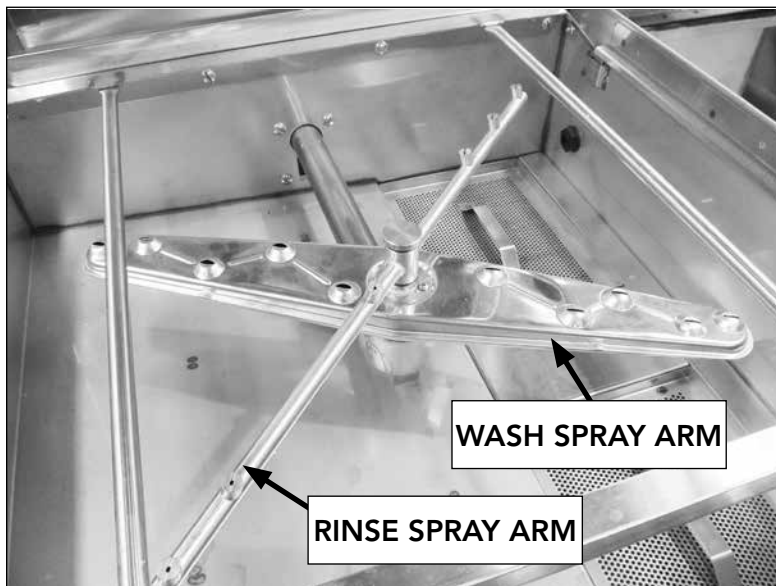


Fig. 5

Loading Wares

- Wares should be scrapped and rinsed to remove large food particles and debris (Fig. 6).

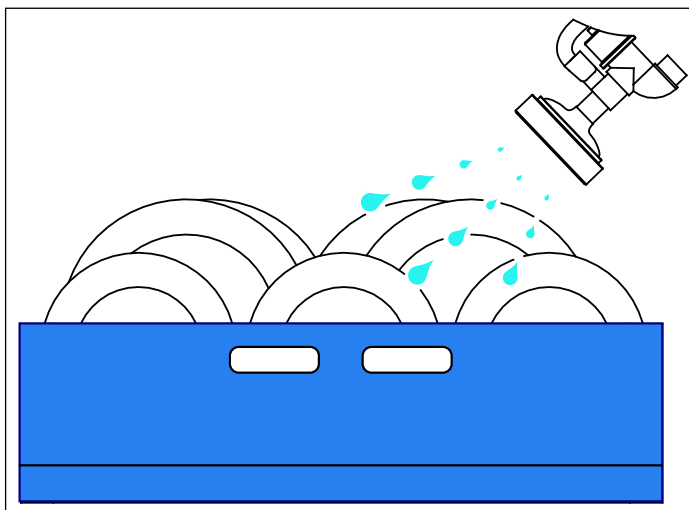


Fig. 6



CAUTION: Ferrous metal scrub pads must not be used to clean wares or dishwasher surfaces. Avoid putting any type of ferrous metal in the machine.

- Load plates in peg racks, bowls and cups in flat-bottom racks, and glasses in a glass racks.
- Load silverware in a single layer in a flat-bottom rack.
- Load pots, pans, and utensils upside down in a flat-bottom rack.
- Load bake sheets and trays on the short edge in a bake sheet rack.
- Do not overload dish racks and only wash one dish rack at a time.
- Never wash objects such as mops, floor mats, or other foreign materials.

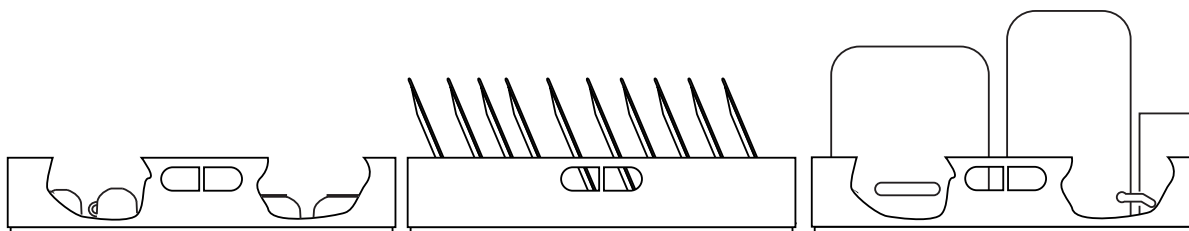


Fig. 7

Cleaning

- Clean the machine at the end of each meal period or after every 2 hours of continuous operation and at the end of the day.



WARNING:

Dishwasher surfaces can be hot and cleaning chemicals can be caustic to the skin and eyes. Wear protective clothing and eye protection when handling chemicals and cleaning the machine.

To clean the dishwasher:

- Push the power button OFF. The electric drain valve will open and the machine will drain. The drain valve will remain open for 10 minutes. Pushing the power button on and immediately off will open the drain valve for another 10 minutes.
- Open the door and flush the interior with fresh water.
- Remove the upper and lower wash and rinse spray arms and flush with clean water.
- Check the rinse spray arm nozzles. If necessary, remove the end plugs and clean the nozzles with a small paper clip. Flush the arms clean and replace the end plugs (see Fig. 8).

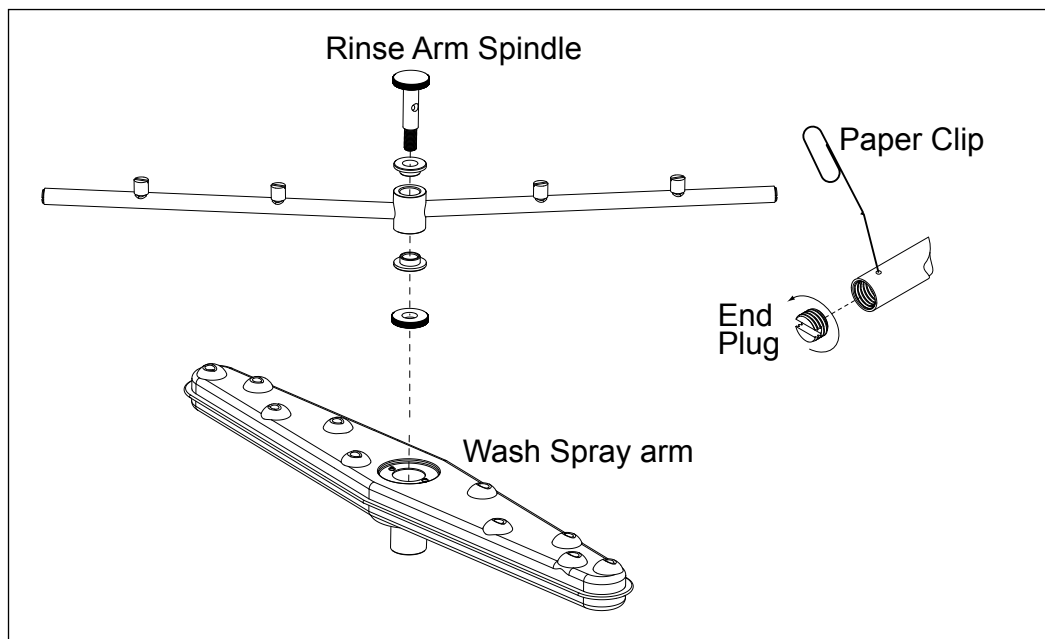


Fig. 8

Cleaning

- Remove the scrap screens and pump suction strainer. Flush/backflush the screens in a sink. Do not strike the screens against hard surfaces.
- Clean the drain in the bottom of the wash tank.
- Clean the float switch.

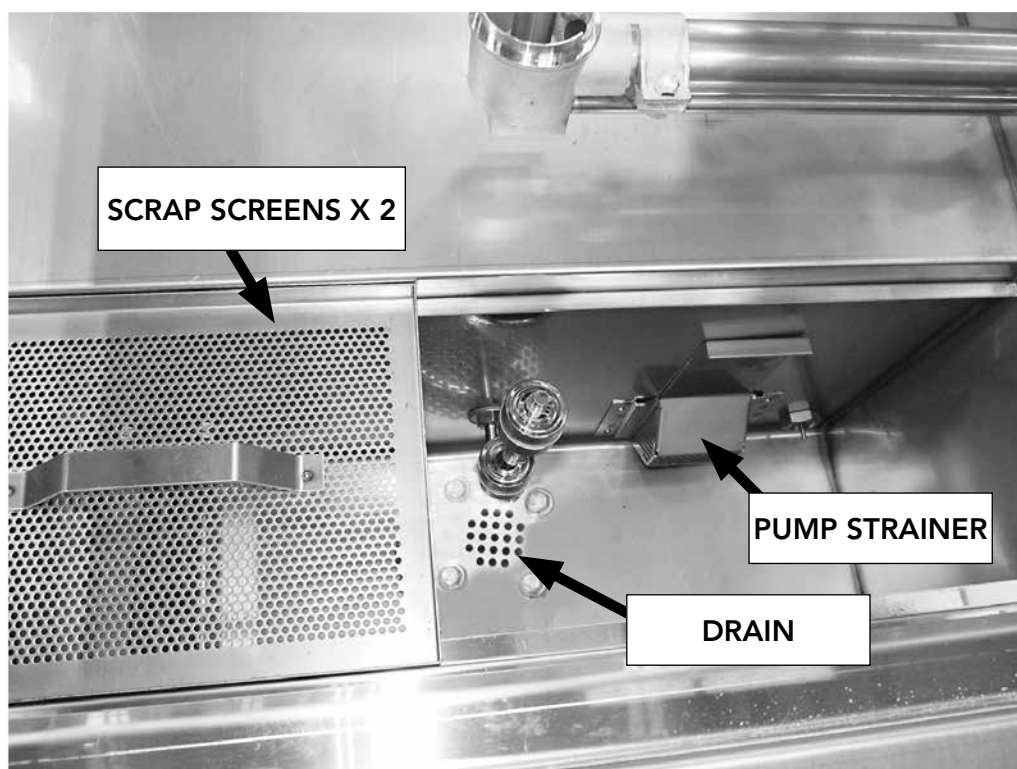


Fig. 9

- Wipe the interior with a soft cloth. Reinstall the scrap screens and spray arms making sure the spray arms spin freely.
- Wipe the exterior clean with a soft cloth and mild detergent.

DO NOT FLUSH THE EXTERIOR OF THE MACHINE WITH WATER.

- Leave the doors open to aid in overnight drying of the machine interior.

Deliming

- Minerals accumulate on the interior surfaces of the dishwasher appearing as a white haze and, in cases of heavy accumulation, may appear as a granular solid.
- Contact a qualified chemical supplier for deliming chemicals and procedures.
- Follow all of the chemical supplier's directions making sure to always wear eye protection, rubber gloves and rubber aprons when handling chemicals and deliming the machine.



WARNING:

Death or serious injury may result when deliming solution is mixed with sodium hypochlorite (chlorine bleach) sanitizing agent. Mixing may cause hazardous gases to form. Deliming solution and other acids must never be mixed with chlorine, iodine, bromine, or fluorine.



WARNING:

Deliming solutions can cause severe irritation and possible chemical burns. Always wear protective clothing and goggles when handling chemicals.

Maintenance Schedules

Daily Maintenance

- Clean the machine.
- Check all of the wash arm and rinse arm spray jets and clean as necessary.
- Make sure the water supply is on and the drain is not clogged.
- Check the HMI temperature display and pressure gauge to ensure proper operation
- Make sure the dish racks are in good condition. Check the chemical containers and refill.

Weekly Maintenance

- Inspect water and drain lines for leaks.
- Check underneath the dishwasher for leaks.
- Make sure the floor drains are clear of debris and handle the machine drain flow.

Monthly Maintenance

- Check and delime machine if required.
- Replace damaged scrap screens
- Replace worn spray arm bearings

Yearly Maintenance

Contact your authorized service agent for a preventive maintenance inspection.

Lubrication

There are no lubrication points nor schedules for this dishwasher.



NOTE: Consult the chemical supplier for dispensing system maintenance.

Troubleshooting Chart

Condition	Cause	Solution
Dishwasher will not run.	Hood not closed. Main power OFF. Cycle not selected	Close Hood completely. Check breaker on panel. Select 1,2,4 or 6 min. cycle.
Low or no water.	Main water supply is off. PRV setting incorrect. Line strainer clogged. Solenoid valve defective.	Open supply valve. Set to 20-22 PSI flowing. Contact Service Agent. Contact Service Agent.
Chemicals won't feed into dishwasher.	Chemical supply low. Pick-up tube clogged. Supply tubing damaged. Supply tubing kinked.	Refill chemical container. Contact Chemical Supplier. Contact Chemical Supplier. Straighten tubing.
Poor wash results.	Wares incorrectly loaded in dish rack. Clogged screens. Clogged spray arms. Chemical injectors not feeding. Detergent Dispenser defective. Water temperature low.	Reposition wares or reduce amount of wares. Clean screens. Clean spray arms. Contact Chemical Supplier. Contact Chemical Supplier. Contact Service Agent.
Dishwasher stays in wash cycle.	Rinse Sentry extends wash mode to allow final rinse water booster temperature to reach 180°F/82°C.	Contact Service Agent if wash cycle runs for longer than 660 seconds.
Dishwasher will not drain.	Drain screen clogged. Drain valve defective. Building drain clogged.	Clean drain screen. Contact Service Agent. Contact Building Maintenance.
Condensate Removal Option Model Steam not being vented.	Incoming cold water temp. is above 75°F/24°C. Incoming water pressure is below 45 PSI flowing pressure at the dishwasher. Condensate coil or fan defective.	Check incoming water temperature. Check incoming water pressure. Contact Service Agent.