JÅNSKA
SWEDEN

Platinum Series

24" Built-In Tall Tub Dishwasher

in Stainless Steel

Model: JDW-2400



User Manual



CONTENTS

IMPORTANT SAFEGUARDS 3

Handling and unpacking 3

Correct usage 4

Children 4

Technical safety 4

Operational safety 6

SPECIFICATIONS 7

DISHWASHER COMPONENTS 8

INSTALLATION 9

FEATURES 9

USING YOUR DISHWASHER 11

Control panel 11

Cycles 11

Functions-optional 13

Controls and Indicators 14

Cycle progress indicator 15

Basic operation 16

Preparing and loading dishes 16

Adding dishes during wash cycle 21

Filling the detergent dispenser 22

Filling the rinse aid dispenser 22

FACTORS AFFECTING PERFORMANCE 24

CLEANING AND MAINTENANCE 25

Protecting your dishwasher for long period 29

TROUBLESHOOTING 29

Error Codes 29

Your satisfaction is guaranteed. If you are not completely satisfied with our Built-In Dishwasher, please let us know. We will do our best to make things right for you.

IMPORTANT SAFEGUARDS

THIS DISHWASHER IS PROVIDED WITH AN INSTALLATION MANUAL TOGETHER WITH THIS USER MANUAL. READ ALL INSTRUCTIONS BEFORE INSTALLING AND OPERATING YOUR PLATINUM SERIES 24" BUILT-IN DISHWASHER FOR THE FIRST TIME. FAILURE TO ADHERE TO THESE INSTRUCTIONS AND PRECAUTIONS WILL VOID THE MANUFACTURER'S WARRANTY.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN





This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your dishwasher.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your dishwasher.

To reduce the risk of personal injury or damage to your PLATINUM SERIES 24" BUILT-IN DISHWASHER or other property when using this product, basic safety precautions should always be followed, including the following:

HOUSEHOLD USE ONLY

HANDLING AND UNPACKING

! WARNING: HEAVY UNIT Use proper equipment and adequate manpower to move the dishwasher to avoid personal injury or damage to the unit or the floor.

- Before moving the dishwasher, protect any finished flooring and secure the dishwasher door closed to prevent damage.

! WARNING: TIP-OVER HAZARD Opening the dishwasher door will cause the dishwasher to tip forward. Do not open the door until you are ready to install the dishwasher. If it is necessary to open the door, hold the top of the dishwasher securely with one hand and hold the door with the other hand.

! WARNING: DO NOT LIFT OR CARRY THE DISHWASHER BY THE DOOR OR HANDLE.

- Keep the appliance at room temperature for **at least 8 hours** after receiving the product in the winter season.
- Remove any packaging carefully during unpacking.

CORRECT USAGE

- This appliance is intended for use in domestic households and in similar working and residential environments. NSF/ANSI 184 Certified residential dishwashers are not intended for licensed food establishments.

! **WARNING:** Misuse of the dishwasher can result in serious injury or death. Do not use the dishwasher in any way not covered in this manual or for any purpose other than those explained in the following pages.

- This appliance is not intended for outdoor use.
- Persons (including children) who lack physical, sensory, or mental capabilities, or experience with the appliance should not use it without supervision or instruction by a responsible person.

CHILDREN

! **WARNING:** Never allow children to play in, on, or with the appliance. To reduce risk of injury, close supervision and observation of children is needed around the dishwasher.

- Never allow children to sit or stand on any part of the appliance, including the door.
- Do not store items of interest to children inside the appliance. Children pulling down the door, climbing, or putting their hands inside could be injured.
- The appliance is hot during use and remains so for some time after being switched off. Keep children away from the appliance door, particularly when opening where steam may disperse.
- Keep all dishwasher detergents, in particular tablet/pod form, out of reach of children. Harmful if swallowed, and an eye irritant.

! **WARNING:** Ensure that any packing material, including any plastic bags or film, is disposed of safely and kept out of the reach of children. Do not use plastic bags in cribs, beds, carriages or play pens. These bags are not toys. Danger of suffocation!

TECHNICAL SAFETY

- **IMPORTANT: Refer to the included INSTALLATION MANUAL for important information and instructions for correct installation.**
- Installation of this dishwasher requires basic mechanical and electrical skills. Proper installation is the responsibility of the installer. Product failure due to improper installation is not covered under the appliance warranty.

CAUTION: Before installation, make sure that the voltage and frequency listed on the rating label correspond with the household electrical supply. This data must correspond to prevent injury and appliance damage. Consult a qualified electrician if in doubt.

- Before installation, select a suitable area that abides by the cabinet measurements with suitable electrical and water supply as noted in the INSTALLATION MANUAL.

- Do not block any ventilation openings.
- Do not try to use this appliance in a damp place. High humidity may cause the appliance to rust.
- Before installing the dishwasher, check for externally visible damage. Do not operate a damaged appliance. A damaged appliance is a hazard.
- Electrical shock or fire could result if the electrical supply for the dishwasher covered in this manual is incorrectly installed or if the dishwasher has been improperly grounded.

CAUTION: Do not use the dishwasher covered in this manual unless you are certain the electrical supply has been correctly installed and the dishwasher has been properly grounded.

WARNING: To reduce the risk of electric shock, fire, or injury to persons, the installer must ensure that the dishwasher is completely enclosed at the time of installation.

- Do not operate this appliance unless all enclosure panels are properly in place.
- Do not use the dishwasher until properly leveled.
- Do not use an adapter or extension cord to connect this appliance to electricity. Extension cords do not guarantee the required safety of the appliance.
- Do not operate the appliance if the power line or plug is damaged, and do not plug the dishwasher into a damaged outlet.
- Do not operate the appliance if it is damaged in any manner.
- Do not tamper with the controls.
- Before servicing, disconnect the water intake hose and power supply.
- Under no circumstance open the outer casing or controls of the appliance. This is a safety hazard and may damage the appliance.
- Severe product damage and/or injury could result from the use of unqualified service technicians or non-original replacement parts. All repairs must be performed by a qualified service technician using only original equipment factory replacement parts. Do not attempt to repair the appliance yourself.
- In the event of damage or defect, turn off the appliance immediately. Turn off the water supply and disconnect the electrical supply. Do not use the appliance until it has been repaired. Ensure power is not supplied to the appliance while repair work is carried out.
- Before discarding an old appliance, disconnect it from the water and electrical supply, and cut off the power cord to prevent it from becoming a hazard.

OPERATIONAL SAFETY

- Do not operate your appliance in the presence of explosive fumes.
- Do not add or mix any flammable or explosive substances to wash.
- Do not operate your appliance when parts are missing or broken.
- Do not abuse, sit on it, or stand on the door or the dishwasher rack.
- This dishwasher is an automatic appliance, do not add water manually when the appliance is working. It will cause overflow and danger.
- Use only specialized detergents and rinse aid agents recommended for use in a dishwasher. Do not use washing-up liquid, washing powder, hand sanitizer soap or other detergents that are not specialized for a dishwasher.
- Do not wash plastic items unless they are marked “dishwasher safe” or the equivalent. For plastic items without such markings, check the manufacturer’s recommendations. Items that are not dishwasher safe may melt and create a potential fire hazard.
- Do not load the dishwasher with paper products, plastic bags, packing materials or anything other than normal, dishwasher safe dishware and kitchenware.
- If the dishwasher drains into a garbage disposal, make sure disposal is completely empty before running the dishwasher.
- Knives and other sharp utensils with sharp points must be loaded in the basket with their points facing downwards or placed in a horizontal position.
- Ensure no sharp items are not close to the front of the dishwasher to prevent accidental piercing of the door seal.
- Utensils will be hot after washing. Allow 30 minutes to cool off before taking out.
- Always use caution when opening the door during or following a wash cycle as hot water or steam may escape. Do not fully open the door until water noises have stopped and steam has subsided. If it is necessary to load or unload some dishes/utensils, open the door slightly and wait for the steam to dissipate completely, then open the door and move your dishes/utensils
- Do not touch the heating element during or immediately after use, especially if the sanitize option has been selected.
- Never operate the dishwasher without the filter assembly in place. Always reinsert in the correct order.
- The interior tub base will be extremely hot after use. DO NOT touch.
- Do not move or clean the appliance while it is working. It might cause electrical or water leakage.
- To avoid floor damage and possible mold growth, do not allow wet areas to remain around or under the dishwasher.
- Before cleaning, disconnect the water supply hose and power supply.
- Never use harsh chemicals or abrasive cleaners to clean your dishwasher. Some chloride-containing products can damage your dishwasher and may present health hazards.
- Never use steam cleaning products to clean your dishwasher. The manufacturer will not be responsible for possible damage or consequences.

- Protect your dishwasher from the elements. Protect against freezing to avoid possible damage to the fill valve. Damage caused by freezing is not covered by the warranty.
- If your old appliance is not being used or will be discarded, we recommend that you store the unit out of reach of children and remove its door. This will reduce the risk of injury to children.

CAUTION: Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, before using the dishwasher, turn on all hot water faucets and let water flow from each for several minutes. This will release any accumulated hydrogen gas. Hydrogen gas is flammable. Do not smoke or use an open flame during this time.

- Do not store or use combustible materials, gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

California Proposition 65 Warning
WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

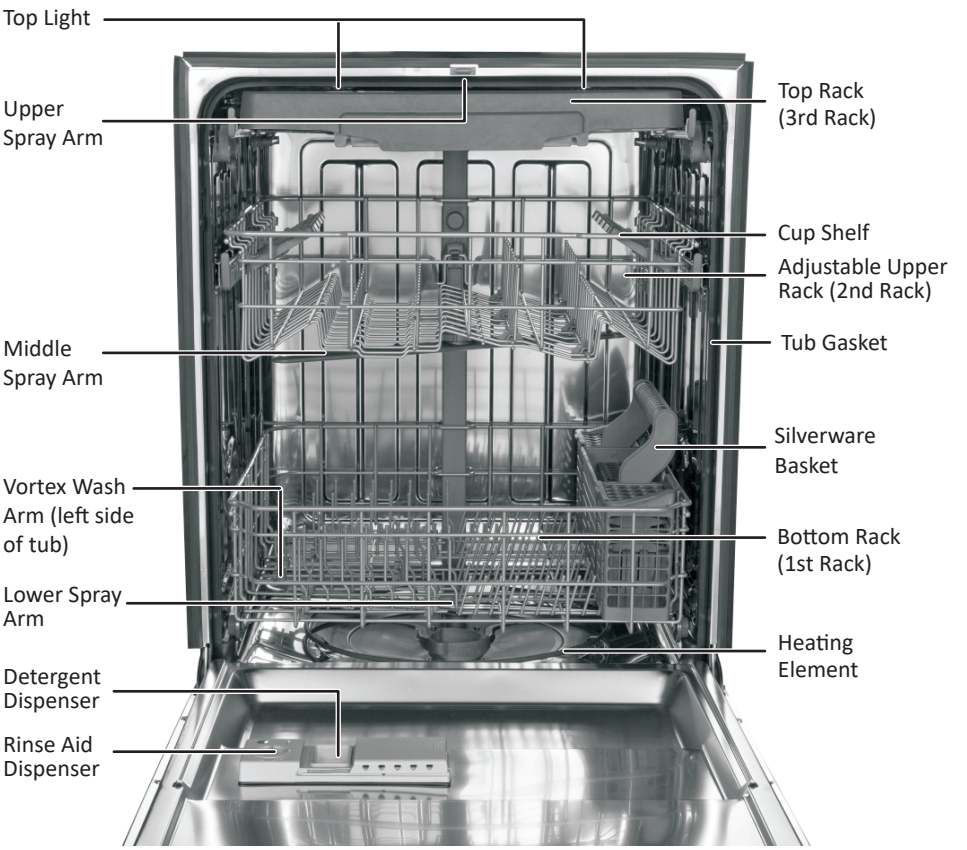
SPECIFICATIONS

JANSKA	Platinum Series JDW-2400
Capacity	14 place settings
Sound	44 dBA
Dimensions (WxDxH)	Unit with Handle - 23.9 x 26.5 x 33.9 in. - (606 x 672 x 860 mm) Recess without Handle - 23.9 x 24.5 x 33.9 in. - (606 x 623 x 860 mm)
Weight	93.3 lbs (42.3kg)
Power Requirements	120 V~60 Hz
Current	8.4 A
Water pressure	Between 20 and 120 psi

! Important

- Certified residential dishwashers are not intended for licensed food establishments.

DISHWASHER COMPONENTS



EXTRA COMPONENTS:

Installation Kit (Refer to Installation Manual)

User Manual & Installation Manual

INSTALLATION

For full information on installing and setting up your dishwasher, refer to the INSTALLATION MANUAL provided.

BEFORE USING THE DISHWASHER

- If there is any damage to the dishwasher, please contact Customer Service. Do NOT attempt to repair or replace any part by yourself.
- Remove the interior packing.
- Clean the interior surface with lukewarm water using a soft cloth.

FINDING A SUITABLE LOCATION

- Water supply temperature should be between 120°F and 149°F (49°C and 65°C).
- This dishwasher is designed to be built-in.
- The dishwasher door must be able to swing fully open.

PROVIDING PROPER POWER SUPPLY

- Check your local power source. This dishwasher requires a 120V, 60Hz power supply.
- The dishwasher must be grounded or it can result in a risk of electric shock.

FEATURES

HOW THE DISHWASHER CLEANS

The dishwasher begins its cycle by filling with water, which covers the filter area at the bottom. Water is then circulated through the various filters and spray arms, delivering a mix of hot water and detergent onto the soiled surfaces of your dishes and silverware. Soil particles are effectively separated from the water, which is then drained away. Fresh water is subsequently introduced to replace the dirty water. The number of times the dishwasher fills with water depends on the selected wash cycle, ensuring optimal cleaning efficiency.

WASH CYCLE SELECTIONS

Cycle times are approximate and will vary with the options selected. Hot water is necessary to activate dishwasher detergent and melt fatty food soils. An automatic sensor will check the incoming water temperature and, if it is not hot enough, the timer will be delayed allowing for the water to heat for the main wash of all cycles. This happens even when HI TEMP WASH is selected, so that higher temperatures will be available to handle heavier soil loads.

SMART WASH SYSTEM

Your dishwasher features a Smart Wash System within the NORMAL WASH program that intelligently selects the optimal wash cycle based on the size and soil level of the load. This system ensures efficient cleaning by automatically choosing a shorter wash cycle for partial loads of lightly soiled dishes and a longer, heavy-duty cycle for full loads of heavily soiled items.

VORTEX WASH

The dishwasher features a specialized Vortex Wash system, designed to effectively clean pots, pans, durable serving bowls, and other large, heavily soiled items. For best results, place these items face down in the lower rack, strategically located in the back left corner directly above the Vortex Wash arm. This placement ensures that the powerful cleaning jets focus directly on tough food residues, providing a thorough clean every time.

MaxDry HEATING

The dishwasher is equipped with MaxDry Technology, an advanced heat dry function that significantly enhances the drying performance. By activating the HEATING DRY option, you ensure that the powerful heating element effectively removes moisture, leaving your dishes perfectly dry and ready for use.

FILTER SYSTEM

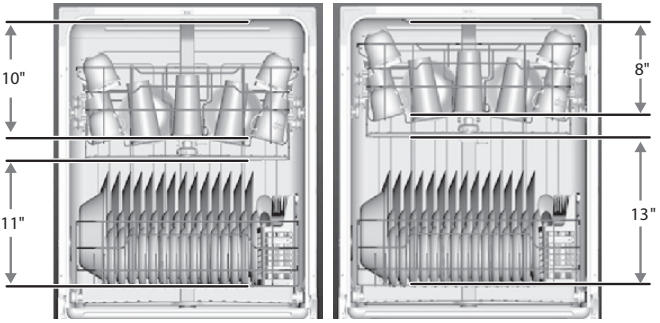
Your dishwasher is equipped with an advanced multiple filter system. This innovative system efficiently separates dirty water from clean water, directing them into separate chambers. The design enhances your dishwasher's performance, enabling it to operate more effectively while using less water and energy.

AirXchange VENTING

The dishwasher is outfitted with an Air Exchange feature, designed to refresh the air inside the unit every six hours. This automatic process helps maintain a fresh environment within the dishwasher by periodically venting stale air and introducing fresh air from outside, preventing the build-up of odors and humidity.

ADJUSTABLE UPPER RACK

The upper rack (2nd rack) of your dishwasher is adjustable, allowing you to raise or lower it to accommodate dishes of varying heights in either the upper or lower racks. If you remove the 3rd rack, the clearance height of the upper rack can be adjusted between 8 inches and 10 inches. Similarly, the clearance height of the lower rack (1st rack) can be adjusted from 11 inches to 13 inches. For detailed instructions on how to adjust the upper rack, please refer to the section “Adjusting the Upper Rack” on page 18 of this manual.

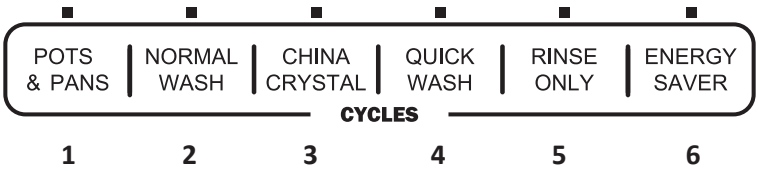


USING YOUR DISHWASHER

CONTROL PANEL

Your dishwasher's control panel is located on the top edge of the door.
The door must be opened to select settings and operate the dishwasher.

CYCLES

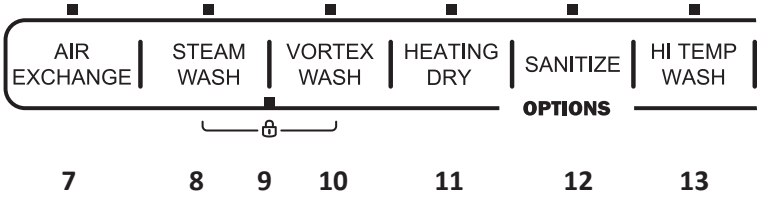


• Select a cycle based on the type of dishes to be washed and the level of soil on the dishes.
• Cycle times are approximate and will vary with options selected. The timer will be delayed to allow for the water to heat for the main wash of all cycles if the sensor detects the water is not hot enough.
• Below is water use and cycle times under standard conditions:

No.	CYCLE	DESCRIPTION	CYCLES	WATER USE	CYCLE TIME (MINUTES)
1	**POTS & PANS**	Use for hard-to-clean, heavily soiled dishes, pots, and pans.	Pre Wash Pre Wash Wash (131°F) Rinse Rinse Rinse (150-156°F) Drying	6.9 gal. (26.2l)	138
2	**NORMAL WASH**	Use for regularly soiled dinner dishes or silverware. Use for SMART WASH feature.	Pre Wash Auto (104-126°F) Rinse (136-156°F) Drying	3.0 - 5.9 gal. (11.4 - 22.5l)	102 - 120
3	**CHINA CRYSTAL**	Use for lightly soiled china dishes and crystal.	Pre Wash Pre Wash Wash (122°F) Rinse Rinse Rinse (144°F) Drying	5.9 gal. (22.5l)	114

No.	CYCLE	DESCRIPTION	CYCLES	WATER USE	CYCLE TIME (MINUTES)
4	**QUICK WASH**	Use for lightly soiled and pre-rinsed dishes and silverware.	Pre Wash (104°F) Wash (131°F) Rinse (131°F) Rinse (136-156°F) Drying	4.0 gal. (15.1l)	60
5	**RINSE ONLY**	Use for pre-rinsing dishes or glasses. This rinse-only cycle prevents food from drying on dishes and reduces odor buildup until you wash a full load. Do not use detergent.	Rinse Only	2.0 gal. (7.7l)	20
6	**ENERGY SAVER**	Use for lightly soiled or pre-rinsed dishes and silverware.	Pre Wash Pre Wash Wash (113°F) Rinse Rinse (136°F) Drying	5.0 gal. (18.8 l)	134

FUNCTIONS - OPTIONAL



The Functions on the control panel are designed to enhance the type of cycle selected.

No.	CYCLE	DESCRIPTION	APPLICABLE CYCLE
7	**AIR EXCHANGE**	Utilize **AirXchange** to refresh the air in your dishwasher every six hours to keep the air in the dishwasher fresh.	ALL
8	**STEAM WASH**	Use for heavily soiled items. This option adds additional time (approx. 30 mins) to the cycle time.	POTS & PANS NORMAL WASH ENERGY SAVER
9	**CHILD LOCK**	Use to lock all controls to prevent children from accidentally changing the dishwasher cycle or starting the dishwasher. Press the **STEAM WASH** and **VORTEX WASH** buttons at the same time to select or cancel the function. The indicator light turns on.	ALL
10	**VORTEX WASH**	For pots and pans, durable serving bowls, and other large, very dirty, hard-to-clean dishes. Place the dishes face down in the lower rack, directly above the vortex wash arm, in the back left corner of your dishwasher.	ALL EXCEPT RINSE-ONLY
11	**HEATING DRY**	Utilize **DryMax Technology** to efficiently heat-dry your dishes.	ALL EXCEPT RINSE-ONLY
12	**SANITIZE**	Use to sanitize your dishes and glassware. Maintains the water temperature at 158°F (70°C) max.	POTS & PANS NORMAL WASH ENERGY SAVER
13	**HI TEMP WASH**	Use to maintain the water temperature at 140°F (60°C) max.	POTS & PANS NORMAL WASH

CONTROLS AND INDICATORS

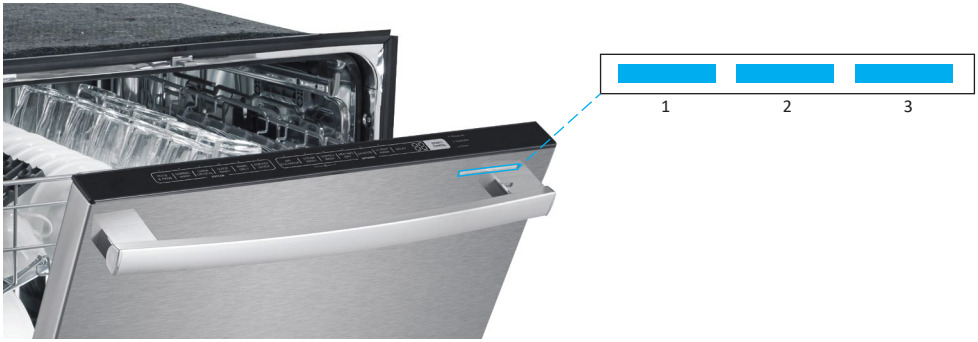


No.	CYCLE	DESCRIPTION
14	**DELAY**	• Press repeatedly to delay the start of the selected wash cycle until the delay time you want is shown on the display. You can select from one to 24-hour delay. After you select the delay time you want, press START/CANCEL once, then close the door within four seconds. The delay begins to count down. • If you open the door while delay is running, press the START/CANCEL button again, then close the door within four seconds to begin the cycle from that point. • To delay further, open the door, press the delay button repeatedly to the desired time. Press START/CANCEL, then close the door within four seconds. • To cancel the delay and begin the cycle before the delay period is complete, open the door, then press and hold START/CANCEL for three seconds.
15	**DISPLAY**	• Shows the remaining hours and minutes of the current cycle, delay hours and error codes. See “Error Codes” page 29. • (Minutes 0-59, Hours 1H etc.)
16	**START/ CANCEL**	• After you have selected a cycle and function (if desired), the cycle indicator begins to blink and the function indicator turns on. Press START/CANCEL once to start the dishwasher. Close the door. • If you don’t close the door within four seconds of pressing START/CANCEL, the dishwasher pauses. Press START/CANCEL again to continue with the cycle. **Cancel** • To cancel a running cycle, open the door, then press and hold START/CANCEL for three seconds. When the door is closed, the dishwasher will automatically drain remaining water. **Pause** • To load more dishes or pause the dishwasher while it’s already running, open the door slowly and carefully. A safety mechanism stops the cycle. • You can add more dishes before the main wash cycle has started. To determine this, check the detergent dispenser in the door. - If the detergent dispenser is still closed, you can add more dishes. - If it is open, you can add dishes to the dishwasher only if the dish quantity is small. If the quantity is large, cancel the cycle and start a new one. - To restart from pause, press START/CANCEL on the control pad and close the door within four seconds. The cycle automatically resumes.

No.	CYCLE	DESCRIPTION
17	**RINSE AID INDICATOR**	Turns on when you need to add rinse aid.
18	**SANITIZED INDICATOR**	Turns on when a sanitized cycle is finished. Turns off after 1 minute when the door is opened.
19	**CLEAN INDICATOR**	Turns on after a cycle is finished. Turns off after 1 minute when the door is opened.

CYCLE PROGRESS INDICATOR

The cycle progress indicator lights are located on the top right of the front panel of the dishwasher. They show the progress of the current wash cycle while the dishwasher is running.



	**Wash**	When the dishwasher is in the wash or rinse portion of a cycle, the Wash lights are illuminated.
	**Dry**	When the dishwasher is in the drying portion of a cycle, both the Wash and Dry lights are illuminated.
	**Clean**	After the dishwasher has completed all portions of a cycle, all indicator lights are illuminated. If you open the door when the Clean lights are illuminated, all the lights will turn off after 30 seconds.

BASIC OPERATION

Step 1	Load the dishwasher (See “Preparing and loading dishes“, page 16).
Step 2	Add detergent (See “Filling the detergent dispenser”, page 22).
Step 3	Add rinse aid, if needed (See “Filling the rinse aid dispenser”, page 22).
Step 4	Run hot water faucet nearest to the dishwasher until water is hot. Turn water off. (See “Water Temperature”, page 24)
Step 5	Select the cycle you want (See the “Cycles”, page 11). The indicator will light when the selection is made.
Step 6	Select the function you want. The indicator will light when the selection is made. (Select any additional function you may want)
Step 7	To start, press START/CANCEL on the control panel.
Step 8	Close the door within four seconds and the wash cycle will begin.
Step 9	The dishwasher will turn off automatically when complete. The machine will sound for approx. 8 seconds to indicate completion.
Note	The dishwasher is programed to remember your last cycle settings. To start the dishwasher using the same cycle and options selected on the previous wash, just press START/CANCEL.

PREPARING AND LOADING DISHES

NOTE: Before using your dishwasher for the first time, check the information in this section. Some items are not dishwasher safe and should be hand-washed; others require special loading.

Notes Prior to Dishwashing

Aluminum: Colored anodized aluminum may fade over time. Minerals in your water may cause the aluminum to darken or spot. This can usually be removed with a soap-filled steel wool pad.

China, Crystal, Stoneware: Some hand-painted utensils or dishes may discolor, fade, or spot. Handwash may be recommended. Position fragile glassware so that it will not fall over or come in contact with other utensils during the wash cycle.

Glass: Milk glasses may discolor or become yellow.

Non-stick Coatings: Apply a light coating of vegetable oil to non-stick surfaces after drying.

Plastics: Make sure the plasticware is dishwasher safe.

Stainless Steel, Sterling Silver, and Silver Plates: Load these so they do not come in contact with other metals.

Not Recommended

Acrylic: Crazing, small cracks throughout the acrylic may occur.

Adhesive-Joined Pieces: Adhesives that join materials such as plastic, wood, bone, steel, copper, tin, etc., may loosen.

Bone-Handled Utensils: Handles may separate.

Iron: Iron will rust. Hand wash and dry immediately.

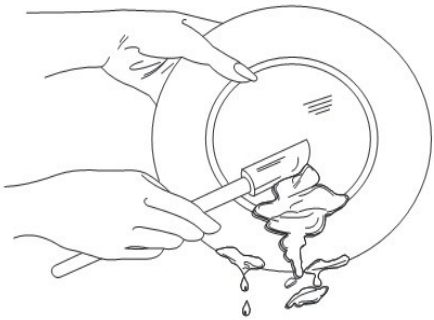
Pewter, Brass, Bronze: These items will tarnish. Hand wash and dry immediately.

Tin: Tin will stain. Hand wash and dry immediately.

Wood: Wooden bowls, wooden utensils, and utensils with wooden handles can crack, warp and lose their finish.

Non-Dishware items: Your dishwasher is intended for use in cleaning ONLY standard household dishware and kitchenware.

Preparing Dishes for Washing



• Scrape away large pieces of food, bones, pits, toothpicks, and similar items. The continuous filtered wash system will remove the remaining food particles.

• Burned-on foods should be loosened before loading.

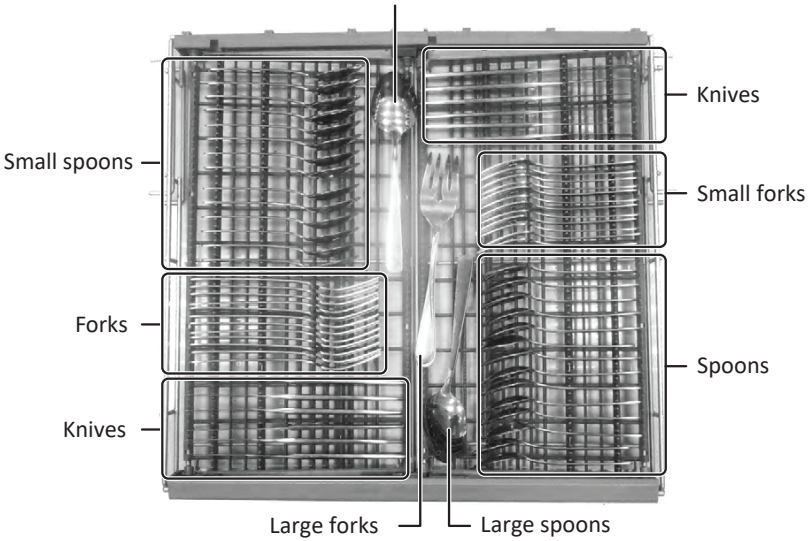
• Foods such as mustard, mayonnaise, vinegar, lemon juice, and tomato-based products may cause discoloration of stainless steel and plastics if allowed to sit for a long period of time. Unless the dishwasher is to be operated at once, it is best to rinse off these types of foods.

• Empty liquids from glasses and cups.

• If the dishwasher drains into a garbage disposal, be sure the disposal is completely empty before starting dishwasher.

Loading the Top Rack (3rd Rack)

For the best performance of the dishwasher, follow these loading guidelines. The image below shows how to load the top rack for 14 place settings:



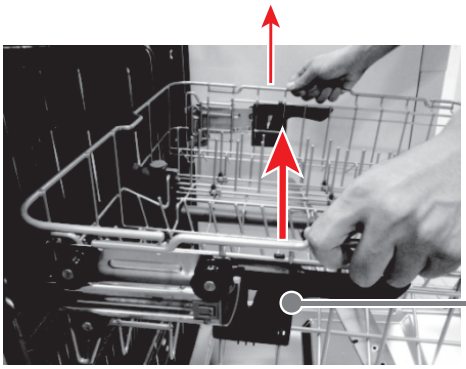
Adjusting the Upper Rack

The height of the upper rack can be adjusted higher or lower to accommodate loading taller dishes in either the Upper Rack or the Bottom Rack.

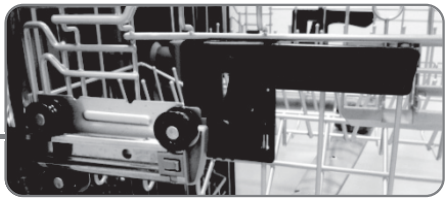
! IMPORTANT
The height of the rack should only be adjusted without dishes in the racks.

1 To Position Higher

Hold the sides of the rack and lift upwards.

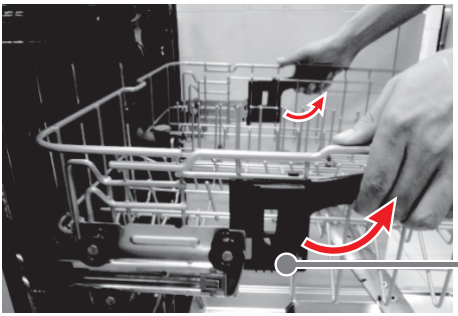


Upper rack in the upper position



2 To Position Lower

Pull the lever upwards on each side of the rack and adjust the rack to a lower position.



Upper rack in the Lower position



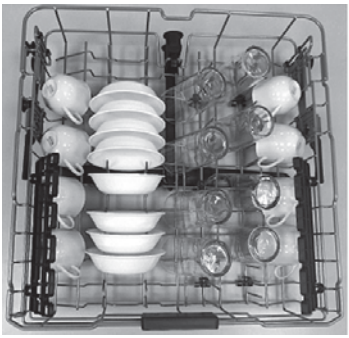
Loading the Upper Rack

The upper rack is designed for cups, glasses, small plates, bowls, and plastic items marked dishwasher-safe. For best results, place the items with the soiled surface facing down or toward the center. Tilt them slightly for better drainage.

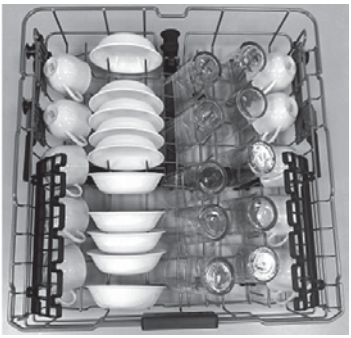
! IMPORTANT

Make sure the loaded dishes do not interfere with the rotation of the middle spray arm, which is located just below the upper rack. You can check this by rotating the middle spray arm by hand.

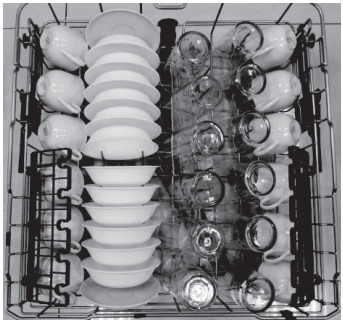
Loading suggestions:



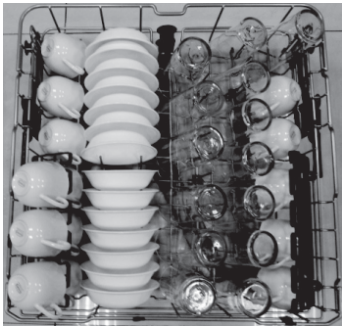
8 place settings



10 place settings



12 place settings



14 place settings

Loading the Bottom Rack

The bottom rack is designed to accommodate plates, bowls, saucers, and cookware. The adjustable rack lets you load items up to 13 inches high. Large items should be placed along the edge, with the inside faces down, so they do not interfere with the middle or lower spray arms or prevent the detergent dispenser from opening.

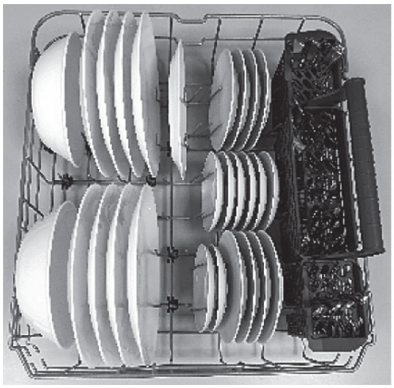
The fold-down tines on the bottom rack are provided to support extra large and hard-to-fit items. The tines may be left up for normal use or folded down for more flexible loading of larger items such as pots and pans.

! IMPORTANT

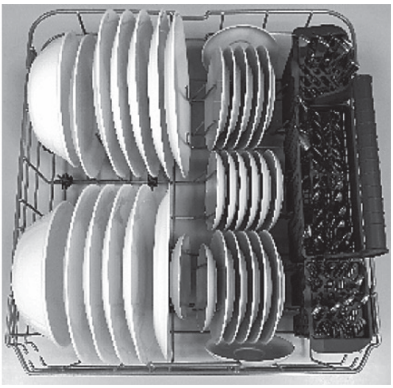
Large items should be placed along the edge so they do not interfere with the middle spray arm rotation, and make sure they do not prevent the detergent dispenser from opening.

Large items should be turned so that the inside faces downward, and make sure these items do not interfere with the lower spray arm rotation.

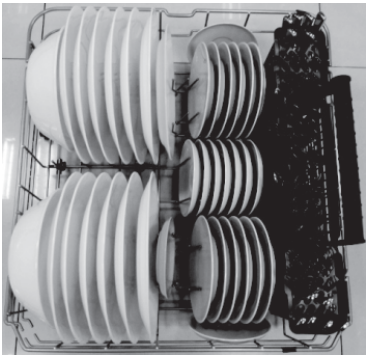
Loading suggestions are shown below:



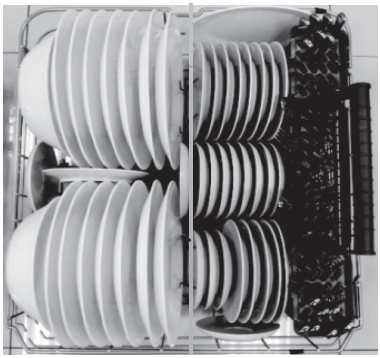
8 place settings



10 place settings



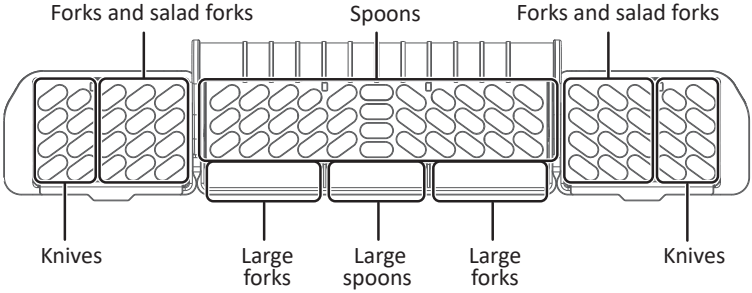
12 place settings

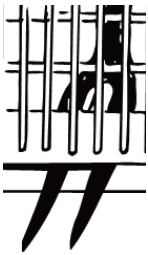


14 place settings

Loading the Silverware Basket

The silverware basket is divided into three separate sections, which can be placed in either the upper or lower racks.





CAUTION

Make sure that nothing protrudes through the bottom of the silverware basket to block the lower spray arm.

CAUTION

Long bladed knives stored in an upright position are a potential hazard! Long and/or sharp items of cutlery such as carving knives must be positioned horizontally in the upper rack or fork/knife shelf in the top rack!

ADDING DISHES DURING WASH CYCLE

CAUTION

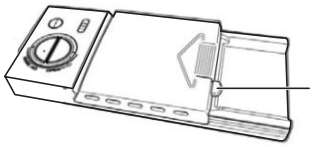
TO AVOID BURN INJURY: To prevent burns, open the door slowly and wait until the spray arms and wash action have completely stopped. Hot water may splash out and the dishwasher interior will be hot. Add or remove dishes with caution. Failure to follow these instructions could result in injury.

Before adding dishes, refer to “Preparing and loading dishes” for instructions on prepping and loading more dishes.

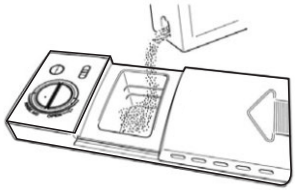
1. Open the door slightly and wait a few seconds until wash action stops before completely opening.
2. Add or remove item with caution.
   - If the detergent dispenser is still closed, you can add more dishes and resume the cycle.
   - If it is open, you can add dishes to the dishwasher if the dish quantity is small. If the quantity is large, you will need to cancel (press START/CANCEL for 3 seconds) and start a new cycle.
3. To resume the paused cycle, press START/CANCEL on the control pad and close the door within four seconds. The cycle automatically resumes.

FILING THE DETERGENT DISPENSER

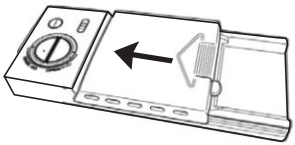
1. Push the detergent dispenser cover latch downwards to open the detergent holder.



2. Add detergent (dry powder, liquid, or tablets) to the cup.



3. Close the detergent dispenser cover.



The amount of detergent required depends on the cycle selected and the soil level on the dishes. Refer to the following table for the recommended amount.

CYCLE	SOFT WATER (0-3 grains)	MEDIUM HARD WATER (4-8 grains)	HARD WATER (9-12 grains)	VERY HARD WATER (over 12 grains)
POTS & PANS NORMAL WASH CHINA CRYSTAL QUICK WASH ENERGY SAVER	2 tsp. (Main wash cup 1/4 full)	5 tsp. (Main wash cup fill to line above 'regular')	8 tsp. (Main wash cup completely full)	Main wash cup completely full (water softener recommended)
Rinse	No detergent	No detergent	No detergent	No detergent

FILING THE RINSE AID DISPENSER

The rinse aid is released during the final rinse to prevent water from forming droplets on your dishes that can leave spots and streaks. It also improves drying by allowing water to 'sheet' off the dishes.

The rinse aid dispenser is located on the interior side of the door next to the detergent dispenser.

Your dishwasher is designed to use liquid rinse aids. Do not use a solid or bar-type rinse aid.

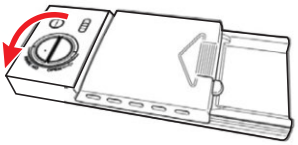
! IMPORTANT

Only use branded rinse aid for the dishwasher. Never fill the rinse aid dispenser with any other substances (e.g., dishwasher cleaning agent, liquid detergent). This will damage the appliance.

When to refill the Rinse Aid Dispenser

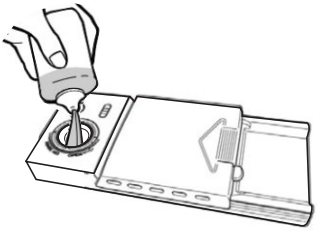
The Rinse aid compartment must be refilled when the warning light on the control panel turns ON. Under normal conditions, the rinse aid will typically last approximately one month. Try to keep the dispenser full, but do not over-fill it.

1. Turn the rinse aid dispenser cap 1/4 turn counterclockwise to the “open” position and lift it out.



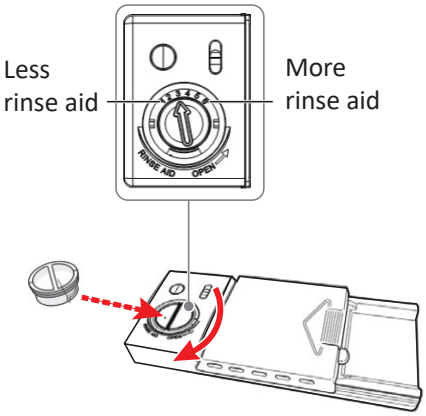


2. Add rinse aid until liquid touches the indicated fill level. Do not overfill since this can cause overfoaming. Wipe up any spills with a damp cloth. The dispenser holds enough for 35 to 140 washes, depending on the dial setting.



3. **Adjusting the Rinse Aid Dispenser**

   The rinse aid dispenser has six settings (depending on model). Always start with the dispenser set on "2". If spots and poor drying problems appear, increase the amount of rinse aid dispensed by removing the dispenser lid and rotating the dial to "3". If the dishes are still not drying properly or are spotted, adjust the dial to the next highest number until your dishes are spot-free.



4. After the rinse aid amount has been adjusted, replace the cap and turn it 1/4 turn clockwise to secure.

FACTORS AFFECTING PERFORMANCE

USING RINSE AID

Rinse aid greatly improves drying and reduces water spots and filming. Without rinse aid, your dishes and dishwasher interior will have excessive moisture. In addition, the heated dry option will not perform as well without rinse aid.

The rinse aid dispenser, located next to the detergent cup, automatically releases a measured amount of rinse aid during the last rinse. If spotting and poor drying is a problem, increase the amount of rinse aid dispensed by rotating the dial to a higher number. The dial is located under the dispenser cap.

If the rinse aid is low, the rinse aid indicator light turns on at the beginning and end of the cycle indicating that it is time to refill. Refer to “Filling the rinse aid dispenser”.

WATER TEMPERATURE

Hot water is required for optimum dishwashing and drying results. Water entering the dishwasher should be at least 120°F (49°C) to achieve satisfactory results.

To check the water temperature entering the dishwasher:

1. Turn on the hot water faucet near the dishwasher and let it run for several minutes.
2. Hold a thermometer (a candy or meat thermometer will work) in the water stream to check the temperature. If the temperature is below 120°F (49°C), have a qualified person raise the hot water heater thermostat setting.

! IMPORTANT

To make sure that the water entering the dishwasher is hot, run hot water from the nearest hot water faucet to clear cool water from the pipe before starting the cycle.

MaxDry HEAT-DRY FUNCTION

MaxDry technology features an advanced heat dry function that, when used in conjunction with a rinse aid, significantly enhances the drying performance of your dishwasher. Opting out of the heat dry function may result in some items not being completely dry at the end of the cycle. For optimal drying results and to ensure all items are thoroughly dried, it is recommended to use the heat dry option.

WATER PRESSURE

For optimum performance, the hot water supply line for your dishwasher must provide water pressure of at least 20 psi and not more than 120 psi. You may experience low water pressure during high-demand periods, such as when laundry or showers are in use while you are washing the dishes. To eliminate this problem, wait until hot water demand is reduced before starting the dishwasher.

CLEANING AND MAINTENANCE

CAUTION

TO AVOID BURN INJURY: Allow the heating element to cool before attempting to clean the interior of your dishwasher.

STAINLESS STEEL PANEL & HANDLE

Clean the stainless steel door and handle regularly with a soft cloth and standard household cleaner to remove the debris.

CAUTION

Do not use appliance wax, polish, bleach or products containing chlorine to clean the stainless steel door.

CONTROL PANEL

Clean the control panel gently with a soft, lightly dampened cloth.

STAINLESS STEEL INNER DOOR AND TUB

The tub is made of Stainless Steel and will not rust or corrode if the dishwasher should be scratched or dented. Clean the spots on the steel inner door and tub with a damp non-abrasive cloth.

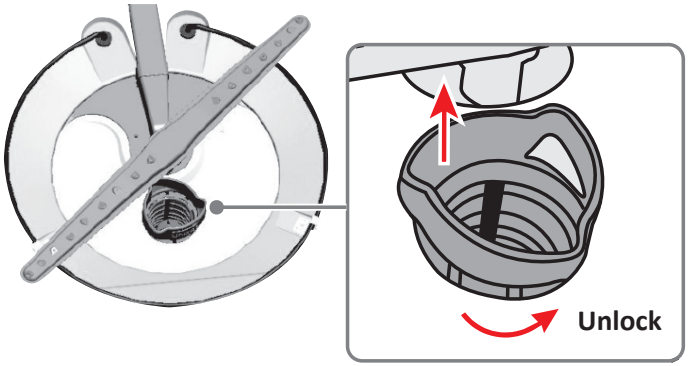
FILTERS

The filters are designed to collect debris and need to be cleaned monthly to maximize wash performance.

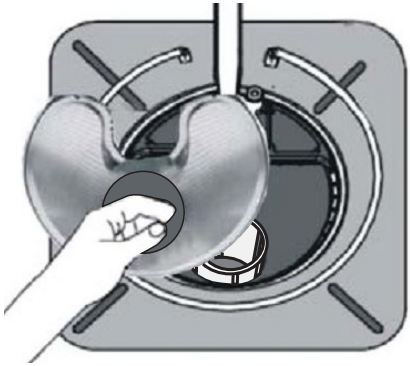
1 Remove the bottom rack.



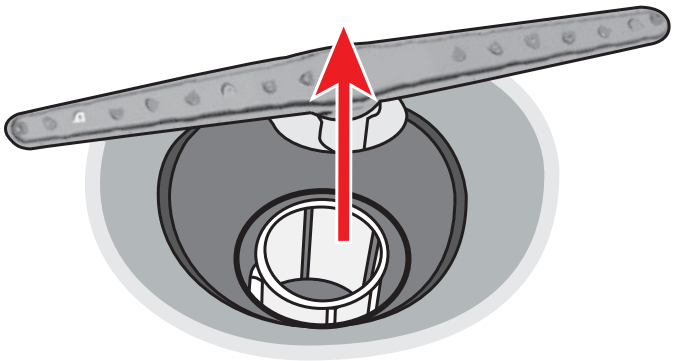
2 Rotate the cylinder filter anti-clockwise, then lift it out.



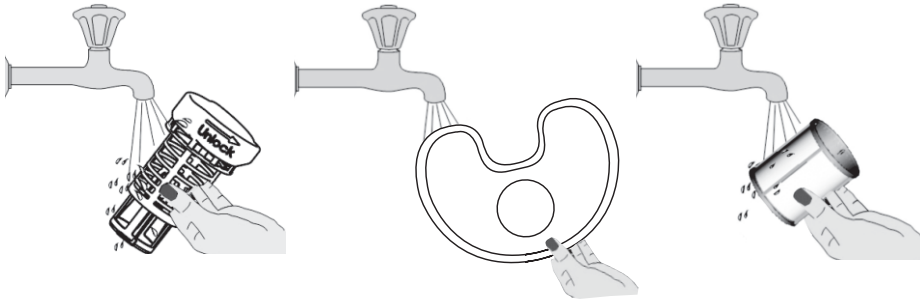
3 Lift the fine filter from the bottom of the tub.



4 Take out the fabric filter.



5 Flush the filters by holding them under running water. Use a soft brush if necessary to remove debris.



6 Replace the fabric filter.

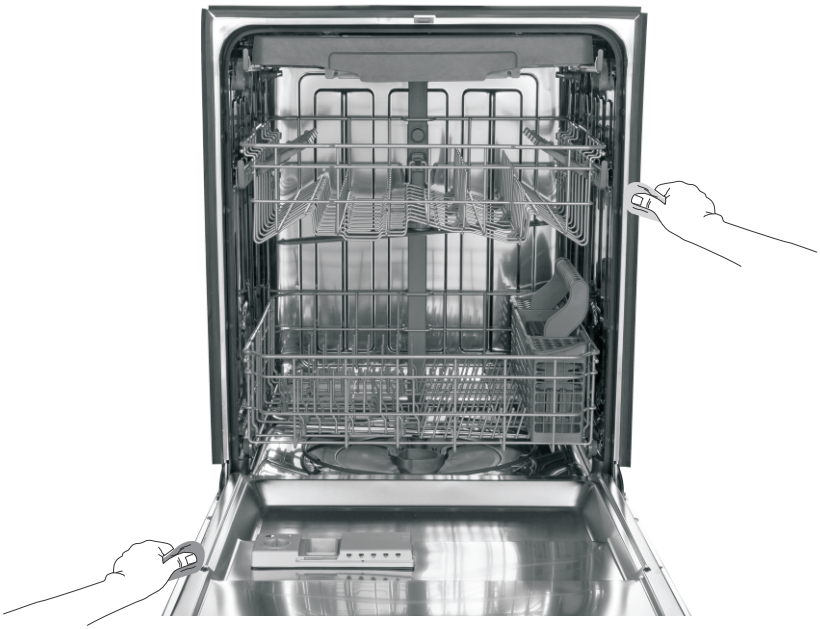
7 Replace the fine filter.

8 Replace the cylinder filter. Turn clockwise to lock into place.

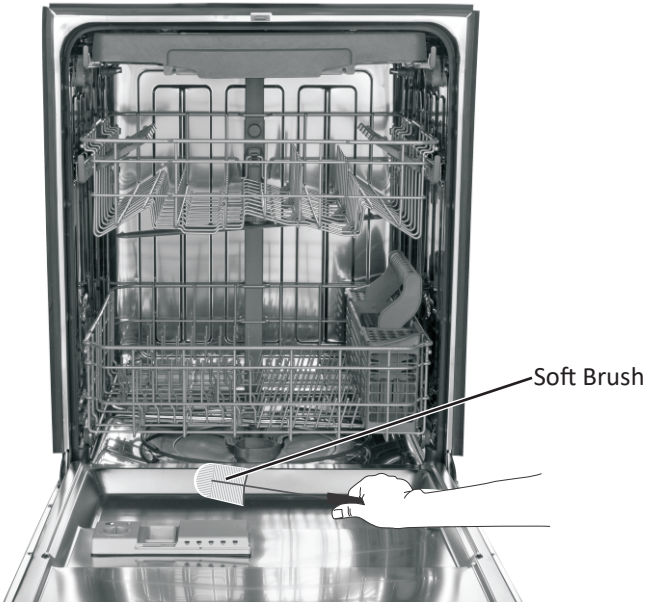
9 Reinstall the the bottom rack.

DOOR AND TUB GASKETS

Clean the door gasket with a damp cloth to remove food particles regularly.



The inside of the dishwasher is self-cleaning under normal use. If needed, the tub gasket can be cleaned with a damp cloth. Use a soft brush to clean the opening in the end of the gasket.



CLEANING THE AIR GAP

If there is an air gap installed with your dishwasher, make sure it is clean so the dishwasher will drain properly. Note, an air gap is not part of your dishwasher. Before you clean the air gap, turn off the dishwasher, then remove the plastic air gap cover and clean with a tooth-pick or similar tool.

PROTECTING YOUR DISHWASHER FOR LONG PERIODS

Your dishwasher should be protected from freezing if you plan to leave it for extended periods in an unheated place. Have a qualified person do the following:

To disconnect service:

1. Turn off the electrical power to the dishwasher at the supply source by moving fuses or tripping the circuit breaker.
2. Turn off the water supply.
3. Place a pan under the inlet valve, then disconnect the water line from the inlet valve and drain it into a pan.
4. Disconnect the drain line from the pump and drain the water into a pan.

To restore service:

1. Reconnect the water, drain, and electrical power.
2. Turn on water and electrical power supply.
3. Fill the detergent cup and the rinse aid cup and run the dishwasher through a heated-wash cycle.
4. Check all connections to make sure they do not leak.

TROUBLESHOOTING

ERROR CODES

CODE	MEANING	POSSIBLE CAUSE
E1	Longer inlet time	• Faucet is not opened • Water intake is restricted • Water pressure is too low
E4	Overflow	A leak in the dishwasher
E8	The orientation of the distributary valve not working.	The wire is not connected correctly, or the distributary valve is broken.
E9	A button has been touched for more than 30 seconds (by anything, including water).	Anything (including water) is touching a button.

CAUTION

- If an overflow occurs, turn off the main water supply before calling for service.
- If there is water in the base pan because of an overfill or small leak, the water should be removed before restarting the dishwasher.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
The dishwasher won't start	The door may not be closed properly.	Make sure that the door is closed and latched.
	The power is off or not connected.	Make sure that the power is connected and turned on.
	The delay start option is selected.	Refer to the "Delay" section under "Controls and indicators".
	The child lock is activated.	Deactivate the child lock. Press the STEAM WASH and VORTEX WASH buttons at the same time.
	Control Panel not clear	Press the ENERGY SAVER button twice.
Delay start did not activate	Did not close door in time	After setting delay time, press START/CANCEL and close the door within 4 seconds.
The dishwasher beeps at the end of the cycle.	This is normal and indicates that the wash cycle is complete.	The sound will last for 8 seconds.
The dishwasher beeps before start.	This is normal and indicates the Delay start option is approaching.	Refer to the "Delay" section under "Controls and indicators".
The rinse aid light is on	The rinse aid level is low.	Add rinse aid.
The dishwasher runs too long	The dishwasher is connected to a cold water supply.	Make sure that the dishwasher is connected to a hot water supply. If not, change the water supply to a hot water source.
	The cycle time varies, depending on the soil level of the dishes.	When heavy soil is detected by the smart wash system, the wash times will be longer.
	Depends on the option selected. Eg Sanitize	Some options will add time to the cycle. When sanitize option is selected, the cycle time will increase to meet the sanitized cycle time.
The dishwasher time is quicker than normal	The cycle time varies depending on the soil level.	The smart wash system detects low soil levels, so additional water fills are not required.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
The dishes are not clean enough	The water pressure is too low.	Make sure that the water pressure is above 20 psi. Use your dishwasher when water demand is low.
	The inlet water temperature is too low.	Make sure that the dishwasher is connected to a hot water supply. If not, change the water supply to a hot water source. Use your dishwasher when hot water demand is low.
	Dishes are too close together.	Reload the dishwasher as shown in “Preparing and loading dishes”.
	Improper use of detergent	Add detergent depending on the water hardness and washing cycle you choose. Use fresh detergent.
	The selected cycle is not suitable for the soil level on the dishes.	Choose a different cycle with a longer washing time.
	The spray arms are blocked.	Make sure that the spray arms are not blocked and are free to rotate.
The dishes are not drying enough	The rinse aid dispenser is empty or the setting is too low.	Fill the rinse aid dispenser. Increase the rinse aid setting.
	Dishes are loaded improperly.	Reload the dishwasher as shown in “Preparing and loading dishes”.
	The cycle you chose did not include drying.	Choose a cycle with drying.
Spots and filming on dishes	Water hardness is too high	For extremely hard water, install a water softener.
	Dishes are loaded improperly.	Reload the dishwasher as shown in “Preparing and loading dishes”.
	Old or damp rinse aid power is used.	Use fresh, liquid rinse aid.
	The rinse aid dispenser is empty or the setting is too low.	Fill the rinse aid dispenser. Increase the rinse aid setting.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Etching	Using too much detergent.	Use less detergent if you have soft water.
	The inlet water temperature exceeds 150°F (65.6°C).	Lower the inlet water temperature.
Detergent left in the dispenser cup	Detergent may be too old.	Use fresh detergent.
	The spray arm is blocked.	When you load the dishes, make sure that the spray arms are not blocked.
	Rinse Cycle selected	Do not use detergent for rinse cycle.
The detergent dispenser will not close	Improper operation of the detergent cover.	Add detergent and rinse aid only as indicated in this manual. See “Filling the detergent dispenser” and “Filling the rinse aid dispenser”.
Water remains in the dishwasher	The previous cycle has not finished or has been interrupted.	Make sure that the current cycle is finished.
The dishwasher does not drain properly.	The drain is clogged.	Check the air gap (if so equipped). Make sure that the disposer is empty (if so connected).
	The drain hose is kinked.	Make sure that the drain hose is not kinked and is properly connected.
Suds in the tub	Using improper detergent or rinse-aid overfill.	Make sure to use only automatic dishwasher detergent. Do not overfill rinse-aid.
The dishwasher leaks	Excessive suds caused by using improper detergent.	Make sure to use only automatic dishwasher detergent.
	The dishwasher is not level.	Level the dishwasher (refer to the Installation Manual).
There are black or gray marks on the dishes	Aluminum utensils have rubbed against the dishes.	Make sure that the water inlet temperature is not less than 120° F (49° C).

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
The interior of the tub is stained	Coffee or tea stains.	Use a spot cleaner to remove the stains (appropriate for stainless steel).
	Reddish stain.	Some tomato products may cause this. Use of the rinse only cycle right after loading will help this.
Noises	Detergent cup opening/drain pump.	This is normal.
	A hard object has entered the wash module. When the object is ground up, the noise will stop.	If the noise continues after the cycle is complete, object call for service.
The dishwasher won't fill (the dishwasher will beep)	The water valve is turned off.	Turn on the water valve.
	The door may not be closed completely.	Make sure that the door is closed and latched.

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