

## KEY USAGE TIPS

### Filtration system

Your dishwasher has the latest technology in dishwasher filtration. The Clean Water Wash system continuously removes food particles from the wash water for excellent performance. Plus, there is no need to ever remove and clean the filter.

### Drying – Rinse aid is essential

You must use a drying agent, such as a rinse aid, for good drying performance. Rinse aid along with the ProDry™ option will provide best drying and avoid excessive moisture in dishwasher interior.



### Energy efficiency

Energy efficiency is gained by extending cycle time and reducing the amount of wattage and water used during your dishwasher's cycle. For exceptional cleaning, cycles are longer due to the soak and pauses. Several models contain an optical water sensor used to determine water and energy consumption for great cleaning performance.



Efficient dishwashers run longer to save water and energy, just as driving a car slower saves on gas. Your first cycle will run longer to calibrate the optical water sensor.

### Touch Start/Resume every time you add a dish

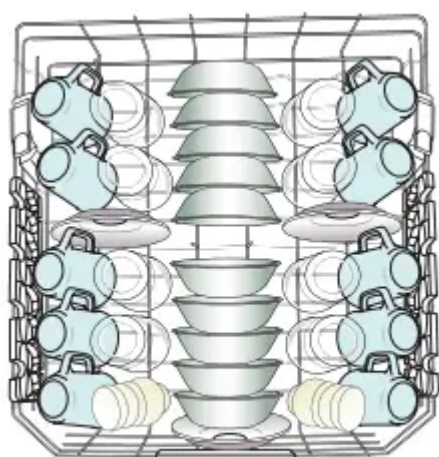
**IMPORTANT:** If anyone opens the door (such as, for adding a dish, even during the Delay Hours option), Start/Resume must be touched each time.

# Start RESUME

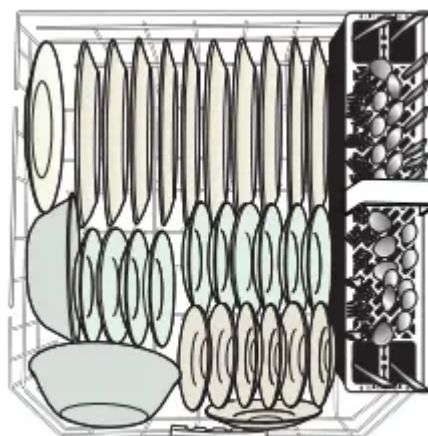
Push the door firmly closed within 4 seconds of touching Start/ Resume. If the door is not closed within 4 seconds, the Start keypad LED will flash, an audible tone will be heard, and the cycle will be canceled.

## OPERATING YOUR DISHWASHER

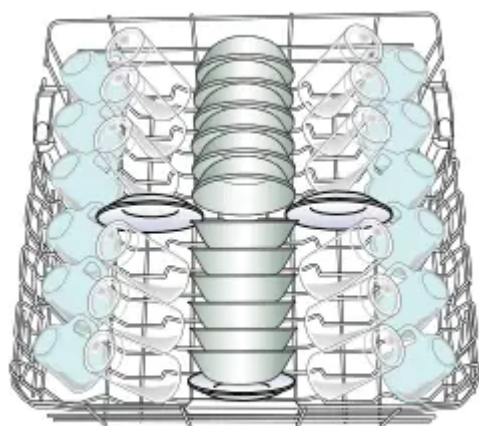
### 1. Prepare and load the dishwasher



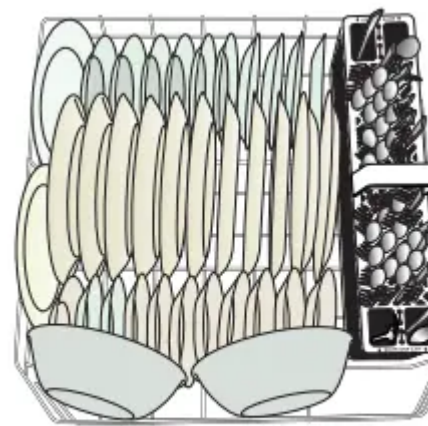
*10-place load – upper rack*



*10-place load – lower rack*



*12-place load – upper rack*

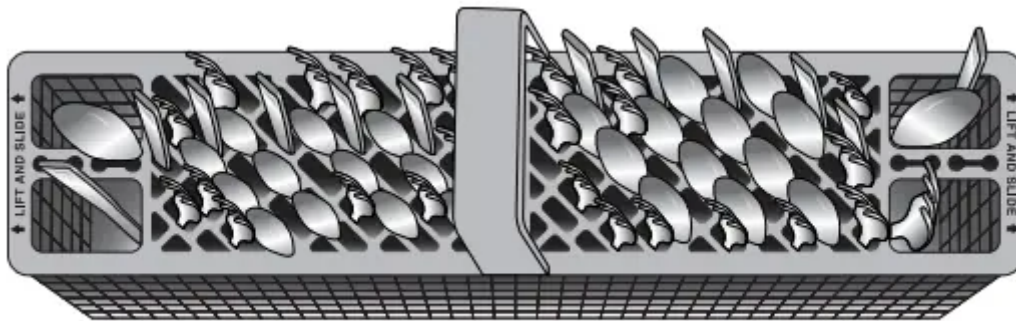


*12-place load – lower rack*

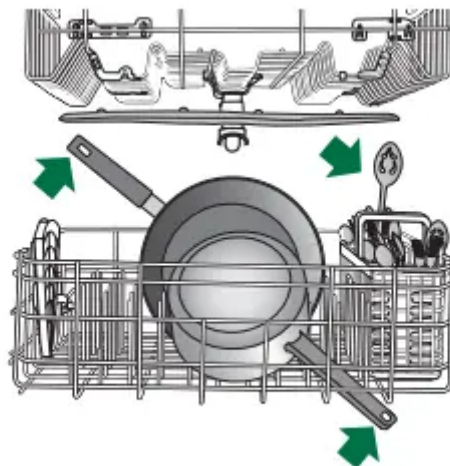
**IMPORTANT:** Remove leftover food, bones, toothpicks, and other hard items from dishes. Remove labels from containers before washing.

- Make sure when dishwasher door is closed no items are blocking detergent dispenser.
- Items should be loaded with soiled surfaces facing down and inward to the spray as shown in the graphics above. This will improve cleaning and drying results. Angle dirtiest dish surface downward, allowing space for water to flow up through rack and between dishes.

- Avoid overlapping items, like bowls or plates, that may trap food.
- Place plastics, small plates, and glasses in upper rack.
- Wash only items marked “dishwasher safe.”
- To avoid thumping/clattering noises during operation: Load dishes so they do not touch one another. Make sure lightweight load items are secured in racks.
- When loading silverware, always place sharp items pointing down and avoid “nesting,” as shown. If your silverware does not fit into the designated slots, lift and slide covers off to remove them and mix silverware types to keep them separated.
- Use slots in the covers and suggested loading patterns to keep your silverware separated for optimum wash. See the complete online User Instructions for detailed illustrations.



**2. Check that all arms spin freely**



Items in the rack can block the spray arms.

**3. Add detergent**

**Premeasured Detergents**

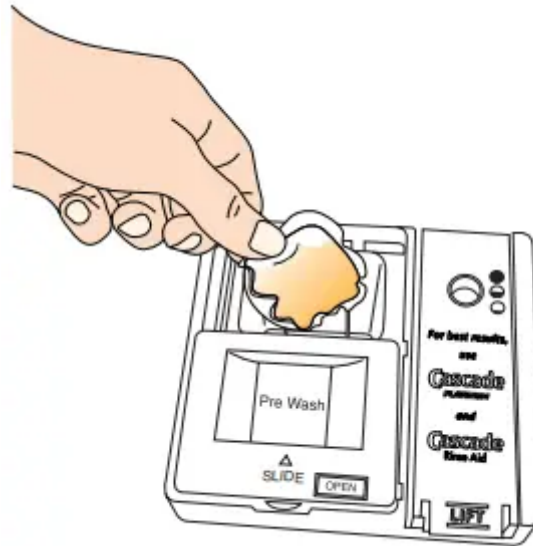
High-quality premeasured tablets and packs are recommended for improved performance.



Quality tablets and packs have been proven better than powder, liquid, or gel detergents at reducing filming on dishes.

Using tablets and packs over time will start to reduce or eliminate white film.

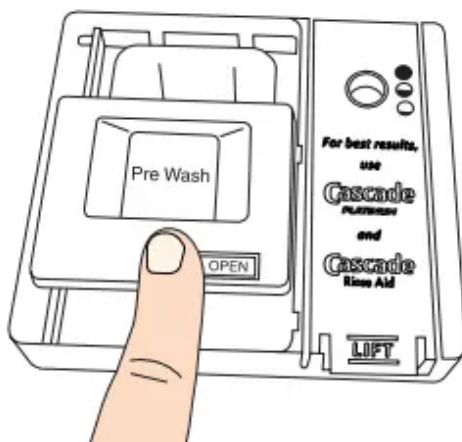
They are suitable for all water hardness and soil levels. Also, by using a rinse aid, you can minimize repeat buildup of white film (not all packs and tablets contain rinse aid). Always place premeasured detergents in main compartment and close lid.



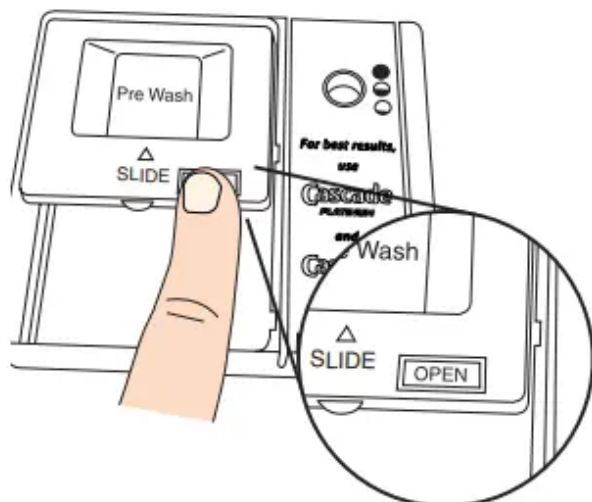
**NOTE:** Follow instructions on the package when using other dishwasher detergent types. See the complete User Instructions for more details about powders, liquids, and gels.

- Use automatic dishwasher detergent only. Add detergent just before starting a cycle.
- Fresh automatic dishwasher detergent results in better cleaning. Store tightly closed detergent container in a cool, dry place.

### To close lid



### To open lid

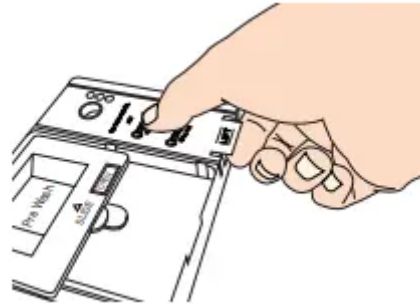


Place selected detergent in the dispenser. Place finger, as shown, and slide lid closed. Press firmly until it clicks.

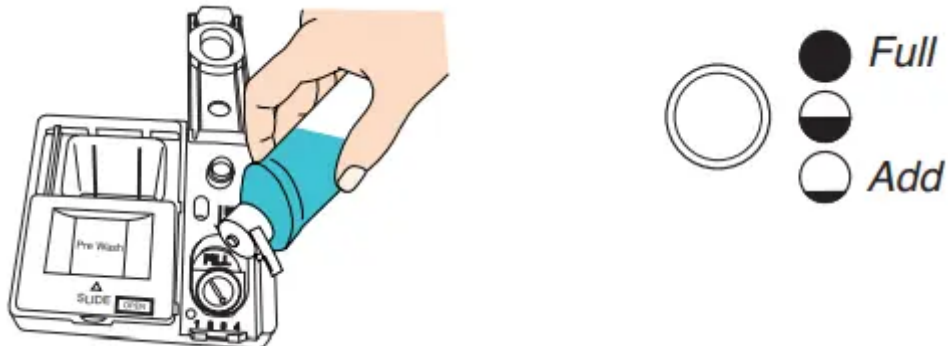
Push OPEN, as shown, and the lid will slide open.

#### 4. Add rinse aid

- Your dishwasher is designed to use rinse aid for good drying performance. Without rinse aid, your dishes and dishwasher interior will have excessive moisture. The heating and drying options will not perform as well without rinse aid.
- Rinse aid keeps water from forming droplets that can dry as spots or streaks. It also improves drying by allowing water to drain off of dishes after final rinse. Rinse aid does not adhere to dishware, and when used, it is dispensed during each cycle.
- To add rinse aid, open the dispenser lid by gently pushing in the center of the lid with your thumb while lifting up on the edge.



- Pour rinse aid into the opening until the indicator level shows that it is full.



- Close dispenser by pushing down gently on the lid.

**NOTE:** For most water conditions, the factory setting will give good results.

If you are experiencing poor drying performance, you may want to try a higher setting. Turn the



arrow adjuster to a higher number to increase the amount of rinse aid.

### **5. Select a cycle**

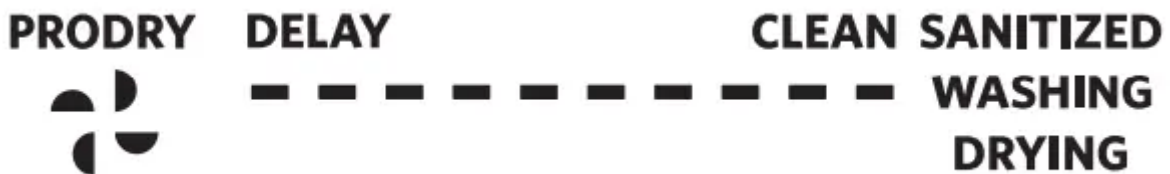
Efficient dishwashers run longer to save water and energy, just as driving a car slower saves on gas. Typical cycle time is approximately 2 1/2 hours but can take less or more time to complete depending on selections.

### **6. Select options**

You can customize your cycles by touching the options desired. If you change your mind, touch the option again to turn off the option. Not all options are available for every cycle. If an invalid option is selected for a given cycle, the lights will flash.

### **7. Follow the progress of your dishwasher**

The pocket display will indicate cycle progress such as Washing, Drying, Clean, and Sanitized. Also, each segment of the progress bar represents approximately 25 minutes of time remaining. The fan icon animates during the dry portion of the cycle unless you have selected a cycle with air dry or the air dry option.



### **8. Start or resume a cycle**

**NOTE:** If needed, run hot water at the sink nearest your dishwasher until water is hot. Turn off water.

Push door firmly closed within 4 seconds of touching Start/Resume. If door is not closed within 4 seconds, the Start/Resume LED will flash, an audible tone will be heard, and cycle will not start.

**IMPORTANT:** If anyone opens the door (such as, for adding a dish, even during the Delay Hours option), Start/Resume keypad must be touched each time.

## CYCLE GUIDE

This information covers several different models. Your dishwasher may not have all of the cycles and options described.

**IMPORTANT:** The sensor in your dishwasher monitors the soil level. Cycle time and/or water usage can vary as the sensor adjusts the cycle for the best wash performance. If the incoming water is less than the recommended temperature or food soils are heavy, the cycle will automatically compensate by adding time, heat, and water as needed.

CYCLES		ESTIMATED WASH TIME W/O OPTIONS (HR:MIN)	WATER USAGE GALLONS (LITERS)
<b>ProWash</b> Soil - Sense	This cycle senses the load size, soil amount, and toughness of soil, to adjust the cycle for improved cleaning, using only the amount of water and energy needed. The ProWash™ cycle is automatically selected if you first touch the Start keypad.* Includes a heated drying option.	2:30 to 3:20	3.8 to 5.3 (14.3 to 20.2)
<b>Tough</b>	Use for hard-to-clean, heavily soiled pots, pans, casseroles, and regular tableware. Includes a heated drying option.	2:50 to 4:00	4.3 (16.3)
<b>Normal</b>	This cycle is recommended for daily, regular, or typical use to completely wash and dry a full load of normally soiled dishes. This dishwasher's government energy certifications were based on the Normal cycle with only the ProDry™ option selected.**	2:20 to 3:30	2.7 to 5.3 (10.4 to 20.2)
<b>Light</b>	Use for lightly soiled items or china and crystal. Includes a heated drying option.	2:10 to 3:30	2.7 to 5.3 (10.4 to 20.2)
<b>Express Wash</b>	When you need fast results, the Express Wash will clean dishes using slightly more water and energy. Select a heated drying option to improve drying.	0:55 to 1:05	5.2 (19.8)
<b>Rinse Only</b>	Use for rinsing dishes, glasses, and silverware that will not be washed right away. Do not use detergent.	0:15	2.1 (8.1)

\*The government energy certifications are not based on this cycle. See the Normal cycle description for the government energy certification cycle. Using the ProWash™ cycle may increase your energy usage.

\*\*No other washing and drying temperature options were selected, and the dishwasher was not subjected to truncated testing. Rinse aid was not used, and there was no detergent used in the prewash.

OPTIONS		CAN BE SELECTED WITH	WHAT IT DOES	ADDED TIME TO CYCLE (HR:MIN)	ADDED WATER GALLONS (LITERS)
<b>Extended ProDry</b> ProDry	Dries dishes with heat and a fan. This option, with the use of rinse aid, will provide the best drying performance. Plastic items are less likely to deform when loaded in the top rack. Turn the ProDry™ option off for an air dry.	<b>Available with any cycle except Rinse Only</b>	Uses the heating element, vents, and a fan to speed drying times. ProDry™ option defaults to On when any cycle is selected, except for Express Wash and Rinse Only.	ProDry™: 0:40 to 0:50 Extended ProDry™ (includes ProDry™ time): 1:10 to 1:20	0
<b>ProScrub</b>	Lower jets clean pans, casseroles, etc., with tough food soil to eliminate the need for soaking and scrubbing of dirty, baked-on dishes. The upper rack has two spray zones in the front corners to reach into deeper or oddly shaped items.	<b>ProWash™ Tough Normal</b>	Activates the ProScrub® spray jets to provide intensified cleaning power to specific wash areas.	0:05 to 2:00	0 to 3.0 (0 to 11.2)
<b>Hi-Temp Wash</b> Sound On/Off Hold 3 Sec	Raises the main wash temperature to improve cleaning for loads containing tough, baked-on food.	<b>ProWash™ Tough Normal</b>	Raises the main wash temperature from 105°F (41°C) to either 130°F (55°C) or 140°F (60°C).	0:00 to 0:30	0 to 3.0 (0 to 11.2)



<b>Sani Rinse</b>	Sanitizes dishes and glassware in accordance with NSF International NSF/ANSI Standard 184 for Residential Dishwashers. Certified residential dishwashers are not intended for licensed food establishments. Only sanitizing cycles have been designed to meet the requirements of the NSF/ANSI 184 performance standard for soil removal and for sanitization efficacy. There is no intention, either directly or indirectly, that all cycles on a NSF/ANSI 184 certified dishwasher meet the NSF/ANSI 184 performance standard for soil removal and for sanitization efficacy.  The Sani Rinse indicator glows at the end of the cycle if the Sani Rinse option was successfully completed. If the indicator does not activate, it is probably due to the cycle being interrupted.	<b>ProWash™ Tough Normal</b>	Increases the main wash temperature from 105°F (41°C) to 140°F (60°C) and the final rinse from 140°F (60°C) to 155°F (68°C).	0:10 to 2:00	0 to 3.0 (0 to 11.2)
<b>1-24 Hr Delay</b>	Runs the dishwasher at a later time or during off-peak electrical hours. Select a wash cycle and options. Touch the Delay keypad. Touch START/RESUME. Close the door firmly.  <b>NOTE:</b> Anytime the door is opened (such as, to add a dish), the Start/Resume keypad must be touched again to resume the delay countdown.	<b>Available with any cycle</b>	Delays the start of a cycle to the specified time.		0
<b>Control Lock</b> Hold 3 Sec	Avoids unintended use of the dishwasher between cycles, or cycle and option changes during a cycle. To turn on Lock, touch and hold CONTROL LOCK for 3 seconds. The Control Lock light will stay on for a short time, indicating that it is activated, and all keypads are disabled. If you touch any keypad while your dishwasher is locked, the light flashes 3 times. The dishwasher door can still be opened/closed while the controls are locked.  <b>NOTE:</b> You may need to disable Sleep Mode by touching either START/RESUME or CANCEL or by opening and closing the door before you are able to turn Control Lock off.  To turn off Control Lock, touch and hold CONTROL LOCK for 3 seconds. The light turns off.				

CONTROL	PURPOSE	COMMENTS
<b>Start</b> RESUME	To start or resume a wash cycle.	If the door is opened during a cycle or the power is interrupted, the Start/Resume indicator flashes.  <b>NOTE:</b> Push door firmly closed within 4 seconds of touching Start/Resume. If the door is not closed within 4 seconds, the Start/Resume keypad LED will flash, an audible tone will be heard, and the cycle will not start.
<b>Cancel</b> DRAIN	To reset any cycle or options during selection.  To cancel a wash cycle after it has been started.	Touch and hold CANCEL/DRAIN to reset any control selections made. See the "Dishwasher Feedback" section in the full User Instructions.
<b>Hi-Temp Wash</b> Sound On/Off Hold 3 Sec	To turn the audible tones on or off.	Touch and hold HI-TEMP WASH for 3 seconds to turn the audible tones on or off. Only audible tones for confirming keypad touches can be turned on/off. Important audible tones, such as indicating a cycle has been interrupted, cannot be deactivated.
<b>Sani Rinse indicator</b>		If you select the Sani Rinse option, when the cycle is finished, the Sanitized indicator on the control panel and on the pocket display glows. If your dishwasher did not properly sanitize your dishes, the Sanitized indicator flashes at the end of the cycle. This can happen if the cycle is interrupted or if water could not be heated to required temperature. The light goes off when you open and close door or touch CANCEL.
		<p><b>Sani Rinse indicator</b></p> <p>The Cycle Status Display estimates cycle length as you choose cycles and options and then counts down time to cycle complete.</p> <p>The Time Display is used for estimated cycle time and also for delay hours. Estimated cycle time is displayed in hours and minutes as you make cycle and option selections. After you start the dishwasher, the display counts down the time. When you select the Delay feature, the time display will give the number of hours followed by an "H".</p>

## DISHWASHER CARE

### Cleaning the Exterior

Clean the exterior of the dishwasher with only a soft, damp cloth and mild detergent. If your dishwasher has a stainless steel exterior, it has a coating that is resistant to fingerprints. Avoid using abrasive cleaning products on the exterior of the dishwasher.

## Cleaning and Maintaining the Interior

Many detergents may leave white spots or a white residue on dishware and on the interior of the dishwasher. Over time this residue can become unsightly and could affect dishwasher performance. Use of a dishwasher cleaning product, such as affresh® Dishwasher Cleaner, can help to remove the residue. Monthly use of affresh® Dishwasher Cleaner is recommended to help maintain the dishwasher. Follow package directions.

**NOTE:** KitchenAid recommends the use of high-quality, premeasured detergent tablets or packs and the use of rinse aid for dishwasher cleaning and daily care.

If you have a drain air gap, check and clean it if the dishwasher isn't draining well.



## To Reduce Risk of Property Damage During Vacation or Extended Time Without Use:

- When you will not be using the dishwasher during the summer months, turn off the water and power supply to the dishwasher.
- Make sure the water supply lines are protected against freezing conditions. Ice formations in the supply lines can increase water pressure and cause damage to your dishwasher or home. Damage from freezing is not covered by the warranty.
- When storing your dishwasher in the winter, avoid water damage by having your dishwasher winterized by authorized service personnel.

## TROUBLESHOOTING

First try the solutions suggested here. If you need further assistance or more recommendations that may help you to avoid a service call, refer to the warranty page in this manual or visit [producthelp.kitchenaid.com](http://producthelp.kitchenaid.com). In Canada, visit [kitchenaid.ca](http://kitchenaid.ca). Contact us by mail with any questions,

IF YOU EXPERIENCE	RECOMMENDED SOLUTIONS
<p><b>The Clean light is flashing</b></p>	<p>Check the following:</p> <ul style="list-style-type: none"> <li>• Was the cycle interrupted? Touch START/RESUME and close the door within 4 seconds.</li> <li>• Is the overfill protection float able to move up and down freely? Press down to release.</li> <li>• Be sure the water supply is turned on to the dishwasher. (This is very important following the new installation of your dishwasher.)</li> <li>• Check for suds in the dishwasher. For more information on suds, see “Dishwasher does not clean completely.”</li> </ul>
<p><b>Dishes do not dry completely</b></p>	<p><b>NOTE:</b> Plastic and items with nonstick surfaces are difficult to dry because they have a porous surface which tends to collect water droplets. Towel drying may be necessary.</p> <p>Use of rinse aid along with the ProDry™ option is needed for proper drying.</p> <p>Proper loading of items can affect drying.</p> <ul style="list-style-type: none"> <li>• For improved results, place items on the more slanted side of the rack.</li> </ul> <p>Glasses and cups with concave bottoms hold water. This water may spill onto other items when you are unloading the dishwasher.</p> <ul style="list-style-type: none"> <li>• Unload the bottom rack first.</li> </ul>
<p><b>Spotting/Filming</b></p>	<p><b>NOTES:</b></p> <ul style="list-style-type: none"> <li>• Liquid rinse aid is necessary for drying and to reduce spotting.</li> <li>• Use the correct amount of detergent. If using powder or liquid/gel products, use package instructions.</li> </ul> <p>Confirm that the cloudiness is removable by soaking the item in white vinegar for 5 minutes. If the cloudiness disappears, it is due to hard water. Adjust the amount of detergent and rinse aid. See the “Dishwasher Care” section. If it does not come clear, it is due to etching.</p> <p>Be sure the incoming water temperature is set at 120°F (49°C).</p> <p>Try using the Hi-Temp Wash or Sani Rinse option.</p> <p>To remove spotting, see the “Dishwasher Care” section.</p>



**Dishwasher does not clean completely**

Be sure the dishwasher is loaded correctly. Improper loading can greatly decrease the washing performance. See the "Operating Your Dishwasher" section.

Select the proper cycle for the type of soils. The ProWash™ or Tough cycle can be used for tougher loads.

Be sure the incoming water temperature is at 120°F (49°C).

Use the proper amount of fresh detergent. More detergent is needed for heavier-soiled loads and hard water conditions.

Scrape food from dishes prior to loading (do not prerinse).

If foam or suds are detected by the dishwasher sensing system, the dishwasher may not operate properly or may not fill with water.

Suds can come from:

- Using the incorrect type of detergent, such laundry detergent, hand soap, or dish detergent for hand washing dishes.
- Not replacing the rinse aid dispenser cap after filling (or refilling) the rinse aid dispenser.
- Using an excessive amount of dishwasher detergent.

**Warning**

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

