DISHWASHER USER INSTRUCTIONS

THANK YOU for purchasing this high-quality product. If you should experience a problem not covered in TROUBLESHOOTING, please visit our website at **www.whirlpool.com** for additional information. If you still need assistance, call us at 1-800-253-1301. In Canada, visit our website at **www.whirlpool.ca** or call us at 1-800-807-6777.

You will need your model and serial number located near the door on the right-hand or left-hand side of the dishwasher interior.

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Dishwasher Safety

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.

This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING." These words mean:

⚠DANGER — **You can be killed or seriously injured if you don't immediately follow instructions.**

⚠WARNING — **You can be killed or seriously injured if you don't follow instructions.**

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using the dishwasher, follow basic precautions, including the following:

- Read all instructions before using the dishwasher.
- Use the dishwasher only for its intended function.
- Use only detergents or rinse agents recommended for use in a dishwasher, and keep them out of the reach of children.
- When loading items to be washed:
  1) Locate sharp items so that they are not likely to damage the door seal; and
  2) Load sharp knives with the handles up to reduce the risk of cut-type injuries.
- Do not wash plastic items unless they are marked “dishwasher safe” or the equivalent. For plastic items not so marked, check the manufacturer's recommendations.
- Do not touch the heating element during or immediately after use.
- Do not operate the dishwasher unless all enclosure panels are properly in place.
- Do not tamper with controls.
- Do not abuse, sit on, or stand on the door, lid, or dish racks of the dishwasher.
- To reduce the risk of injury, do not allow children to play in or on the dishwasher.
- 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 the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.
- Remove the door or lid to the washing compartment when removing an old dishwasher from service or discarding it.

SAVE THESE INSTRUCTIONS

GROUNDING INSTRUCTIONS

- **For a grounded, cord-connected dishwasher:**

  The dishwasher must be grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. The dishwasher is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is installed and grounded in accordance with all local codes and ordinances.

  WARNING: Improper connection of the equipment-grounding conductor can result in a risk of electric shock.

  Check with a qualified electrician or service representative if you are in doubt whether the dishwasher is properly grounded. Do not modify the plug provided with the dishwasher; if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

- **For a permanently connected dishwasher:**

  The dishwasher must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the dishwasher.

SAVE THESE INSTRUCTIONS

⚠WARNING

Tip Over Hazard

Do not use dishwasher until completely installed.

Do not push down on open door.

Doing so can result in serious injury or cuts.

State of California Proposition 65 Warnings:

WARNING: This product contains one or more chemicals known to the State of California to cause cancer.

WARNING: This product contains one or more chemicals known to the State of California to cause birth defects or other reproductive harm.

What's New in Your Dishwasher

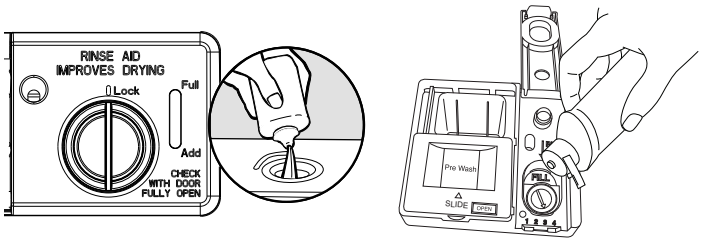
Energy

Congratulations on purchasing your water and energy efficient dishwasher! This dishwasher cleans by spraying the dishes with water and pauses to allow the detergent to soak into and release the soils on the dishes. The cycles are longer due to the soak and pauses for exceptional cleaning. Several models contain an optical water sensor. The optical water sensor is used to determine the optimum 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. The first cycle using the sensor will run longer to calibrate the optical sensor.

Performance

Rinse Aid

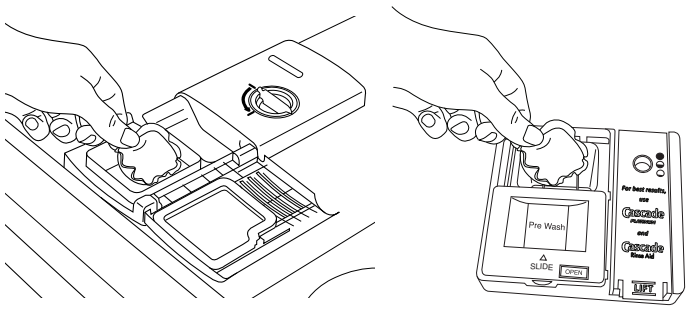
Using rinse aid will optimize your drying and wash performance. This dishwasher is specifically designed to be used with rinse aid for improved drying performance and controlling buildup of hard water deposits. Energy efficient dishwashers use less water and energy, so they depend on the water "sheeting" action of rinse aid for total optimal performance.



Dispensers vary by model

Detergent

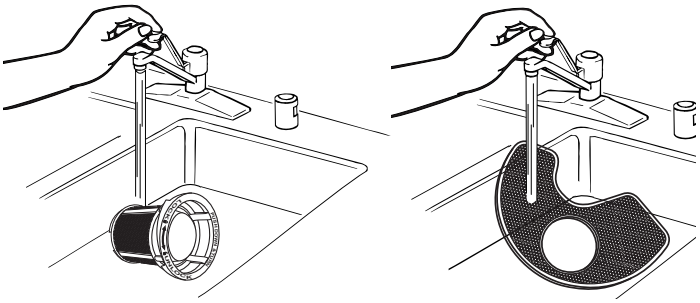
The United States and Canada have passed a restriction limiting the amount of phosphorus (phosphates) in the household dishwasher detergents to no more than 0.5%, where previous detergents contained 8.7%. Major manufacturers have reformulated their dishwasher detergent for this change in detergents as another step in eco-conscious awareness. With these recent changes it is recommended to use tablets and packs for convenience and improved performance.



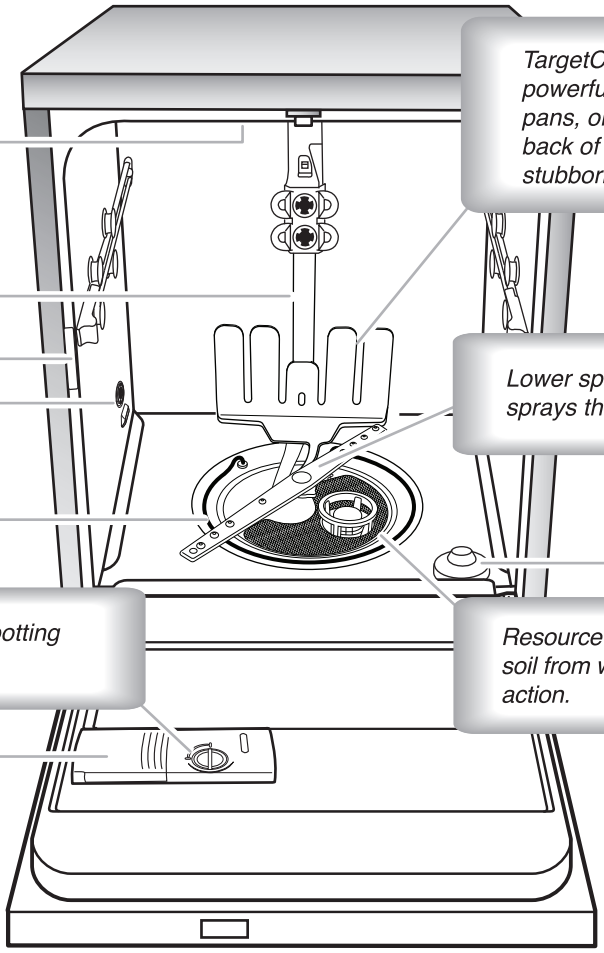
Dispensers vary by model

Filtration System

Your dishwasher has the latest technology in dishwasher filtration. This triple filtration system minimizes sound and optimizes water and energy conservation while providing optimal cleaning performance. Maintenance of your filters regularly will sustain peak cleaning performance. We suggest you clean both your upper and lower filter and rinse under running water at least once a month.



Parts and Features



Upper level wash

Water feed tube

Model and serial number label

Water inlet opening

Heating element

Detergent dispenser (style and location vary)

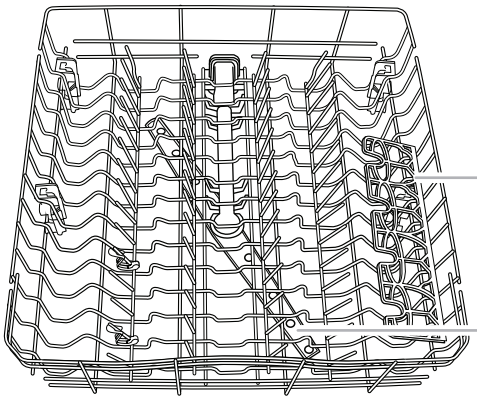
TargetClean™ (on some models) powerful jets target water toward pots, pans, or casserole dishes loaded in the back of the dishwasher to clean stubborn messes.

Lower spray arm has pressurized sprays that provide effective cleaning.

Overfill protection float

Rinse aid dispenser reduces spotting and improves drying.

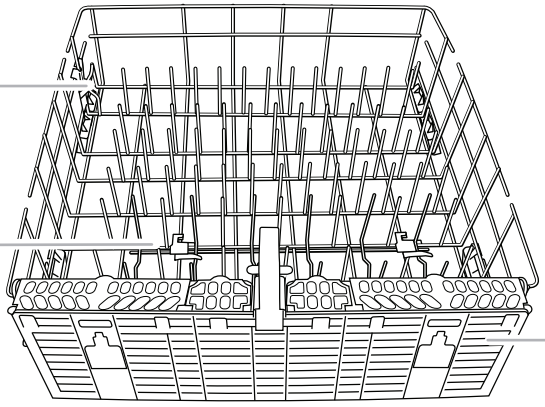
Resource Efficient Wash System removes soil from water and improves cleaning action.



Cup shelves (on some models)

Upper spray arm

TOP RACK



Fold down tines

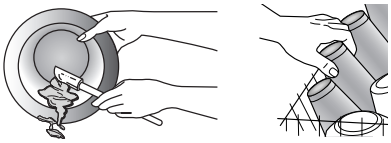
EZ Adjust tines

Silverware basket

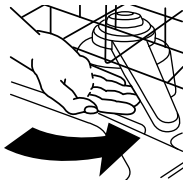
BOTTOM RACK

Quick Steps

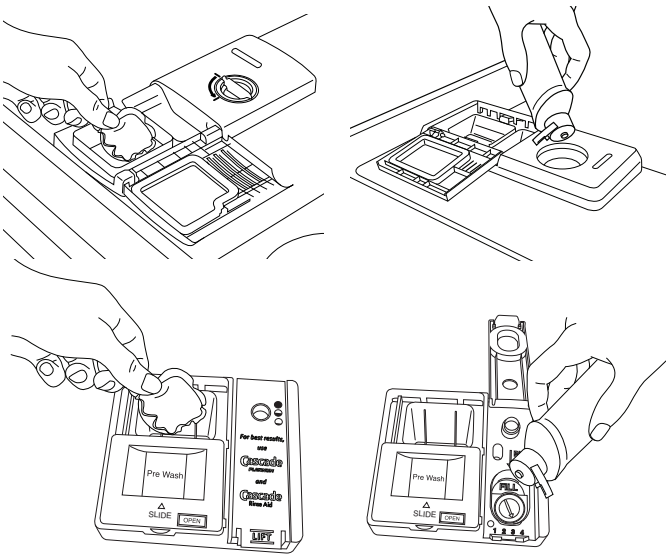
1 Prepare and load dishwasher.



Spin the spray arms. They should turn freely.

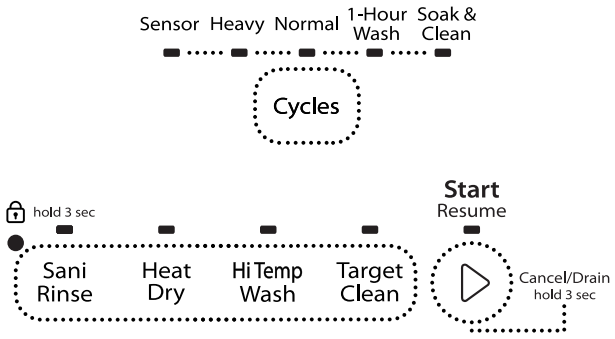


2 Add detergent and rinse aid.



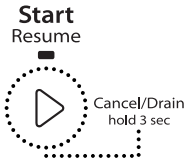
Dispensers vary by model.

3 Select a cycle and option (cycles and options vary by model).



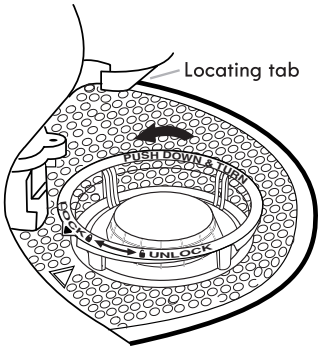
4 Start dishwasher.

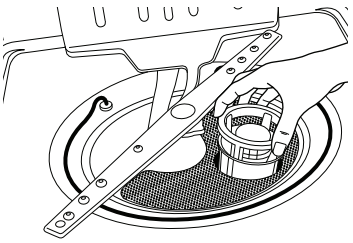
For models with controls on top of the door, select wash cycle, options, and press START/RESUME before closing the door. Push door firmly closed. The door latches automatically. Select the wash cycle, options and press START/RESUME, or press START/RESUME to repeat the same cycle and options as in the previous wash cycle.



5 Unload and clean the filter.

See “Recommended Time Interval to Clean Your Filter” in the “Filtration System” section for the recommended cleaning schedule.

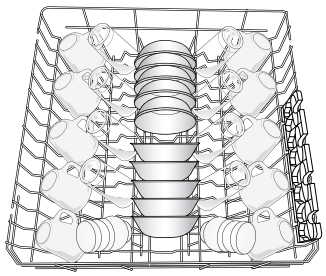




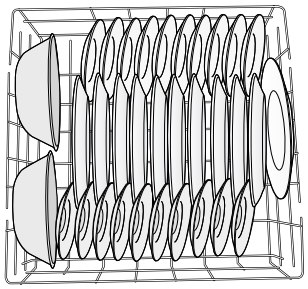
STEP 1

Prepare and Load the Dishwasher

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

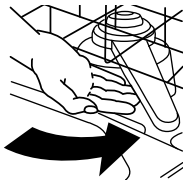


Upper rack



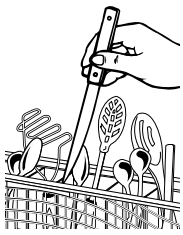
Lower rack

- Make sure nothing keeps spray arm(s) from spinning freely. It is important for the water spray to reach all soiled surfaces.

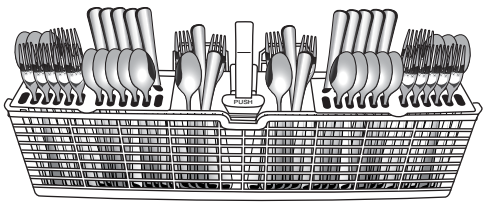


- Make sure that when the dishwasher door is closed, no items are blocking the detergent dispenser.
- Items should be loaded with soiled surfaces facing down and inward to the spray as shown in the graphics above. This will improve cleaning and drying results.
- Avoid overlapping items like bowls or plates that may trap food.
- Place plastics, small plates, and glasses in the 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 items are secured in the racks.

- When loading silverware, always place sharp items pointing down and avoid “nesting.” If your silverware does not fit into the designated slots, flip the covers up and mix silverware types to keep them separated.



- Use suggested loading patterns, as shown, to better clean your silverware.



- Use the slots in the covers to keep your silverware separated for optimum wash.

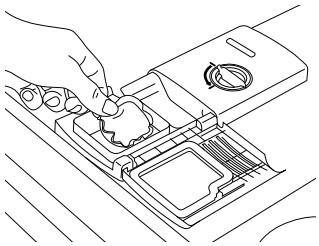
STEP 2

Add Detergent

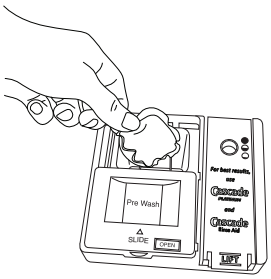
NOTE: If you do not plan to run a wash cycle soon, run a rinse cycle. Do not use detergent.

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

Hinged lid style



Sliding lid style

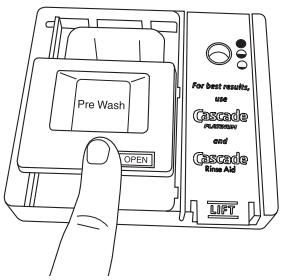


Premeasured Detergents

Many detergents now come in several forms (gel packs, tablets, or powder packs).

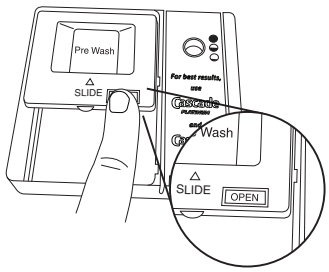
We recommend that you use high quality tablets or packs for convenience and improved performance. High quality tablets and packs have been proven better than powder, liquid, or gel detergents at reducing filming on dishes. Using tablets and packs over time will start to reduce or eliminate white film. Also, by using a rinse aid, you can minimize repeat buildup of white film. These forms are suitable for all hardness and soil levels. Always place detergents in the main compartment and slide lid to close.

To close lid



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

To open lid



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

Powders and Gels

- The amount of detergent to use depends on:

  How much soil remains on the items – Heavily soiled loads require more detergent.

  The hardness of the water – If you use too little in hard water, dishes won't be clean. If you use too much in soft water, glassware can etch.

  Soft to Medium Water (0-6 grains per U.S. gallon) [typical water softener water and some city water]

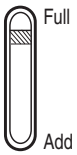
  Medium to Hard Water (7-12 grains per U.S. gallon) [well water and some city water]

- Depending on your water hardness, fill the Main Wash section of the dispenser as shown. Fill the Pre-Wash section to the level shown if needed.

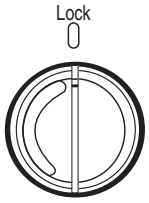
NOTE: Fill amounts shown are for standard powdered detergent. Follow instructions on the package when using gel dishwasher detergents. Premeasured forms are suitable for all hardness and soil levels. Always place premeasured detergents in the main compartment and close the lid.

Add Rinse Aid (dispenser varies by model)

- 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 Heat Dry option 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 the dishes after the final rinse.
- Rinse aid helps to reduce excess moisture on the dish racks and interior of your dishwasher.
- Check the rinse aid indicator with the door down (varies by model). Add rinse aid when indicator drops to “Add” level.

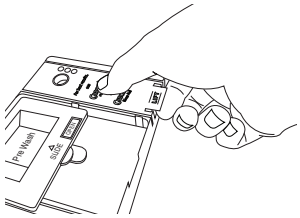


- Add rinse aid to hinged lid style dispenser by twisting the dispenser cap ¼ turn clockwise to open and lift off. Pour rinse aid into the opening until the indicator level is at “Full.” Replace the dispenser cap and turn to “Lock.” Make sure cap is fully locked.

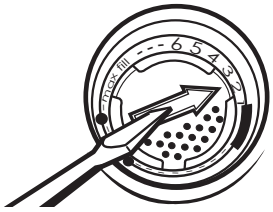


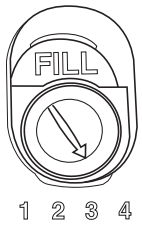
¼ turn clockwise to lock

- To add rinse aid to sliding lid style dispenser, open the rinse dispenser lid by gently pushing in the center of the lid with your thumb and pulling up on the edge. Pour rinse aid into the opening until the dispenser is full. Then, close the dispenser by pushing down gently on the lid.



NOTE: For most water conditions, the factory setting will give good results. If you have hard water or notice rings or spots, try a higher setting. Turn the arrow adjuster inside the dispenser by either using your fingers or inserting a flat-blade screwdriver into the center of the arrow and turning.





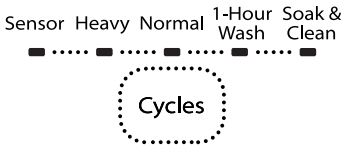
Higher numbers dispense more rinse aid. You should change this setting only a little at a time and then run a few cycles before changing it again because just enough rinse aid is more effective than too much.

STEP 3

Select a Cycle (varies by model)

See “Cycle and Option Descriptions” charts in the following section.

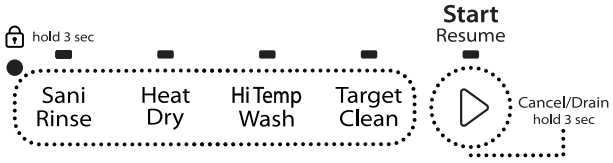
Heavier cycles and options affect cycle length.



Select Options (varies by model)

See “Cycle and Option Descriptions” charts in the following section.

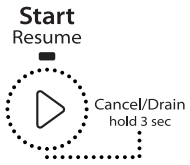
You can customize your cycles by pressing the options desired.



STEP 4

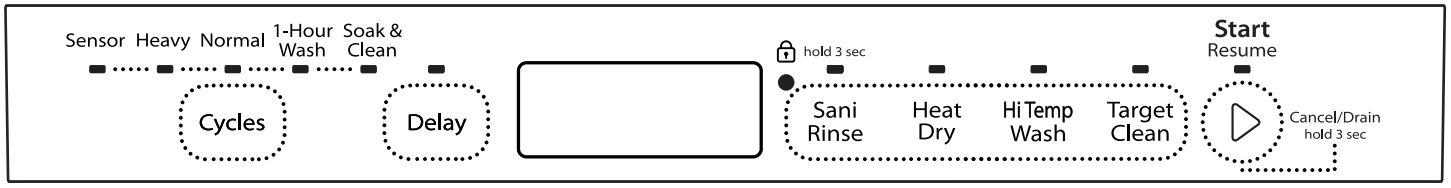
Start or Resume a Cycle

- Run hot water at the sink nearest your dishwasher until the water is hot. Turn off water. For best dishwashing results, water should be 120°F (49°C) as it enters the dishwasher.
- For models with controls on top of the door, select wash cycle, option and press START/RESUME before closing the door. Push door firmly closed. The door latches automatically. Select the wash cycle, options and press START/RESUME, or press START/RESUME to repeat the same cycle and options as in the previous wash cycle.



- You can add an item anytime at the beginning of the cycle. Open the door slowly and add the item. Close the door firmly. Press START/RESUME.

Cycle and Option Descriptions



This information covers several different models. Your dishwasher may not have all of the cycles and options described. Estimated cycle times may increase or decrease depending on water temperature, soil conditions, dish load size, and options selected. You can customize your cycle by selecting an option.

See option selections. If you change your mind, press the option again to turn off the option or select a different option. You can change an option anytime before the selected option begins. At each stage of the wash cycle, you may hear noises that you are not used to hearing in your previous dishwasher. Each cycle will provide a series of pauses and water sprays throughout the wash cycle. This is normal and will provide optimal cleaning performance.

CYCLE SELECTIONS

	CYCLES	ESTIMATED WASH TIME (HH:MM)	WATER USAGE GALLONS (LITERS)
Sensor	The most advanced and versatile cycle. This cycle senses load size, soil amount, and toughness of soil to adjust the cycle for improved cleaning, using only the amount of water and energy needed. Use for all soil levels.	2:30	3.38 to 7.4 (12.8 to 28.0)
Heavy	Use for hard-to-clean, heavily soiled pots, pans, casseroles, and tableware.	3:28	7.4 (28.1)
Normal	This cycle with only the Heat Dry option selected, and without other options selected, is recommended to completely wash and dry a full load of normally soiled dishes. The energy usage label is based on this cycle and option combination.	2:32	2.4 to 7.4 (9.09 to 28)
1-Hour Wash	For fast results, 1-Hour Wash will clean dishes using slightly more water and energy. Select the Heat Dry option to provide best dry performance.	1:00	7.87 (29.8)
Soak & Clean	This cycle quietly soaks dishes with an extended prewash which eliminates the need to presoak dishes, saving personal time and effort. For optimal cleaning results during the Soak & Clean cycle, add prewash detergent. Use this cycle for loads with heavy amounts of dried on or hard to clean baked-on food.	7:31	7.4 (28.0)

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.

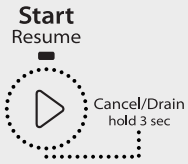
OPTION SELECTIONS

	OPTIONS	CAN BE SELECTED WITH	WHAT IT DOES	ADDED TIME TO CYCLE	ADDED WATER GALLONS (LITERS)
Target Clean	Activates the TargetClean™ spray jets and provides intensified water spray to the back of the lower level rack.May add heat and time to the cycle.	**Sensor Heavy Normal Soak & Clean**	Raises main wash temperature from 105°F (41°C) to120°F (49°C).	**0:12 to 0:57**	**0 to 4.8 (0 to 18.2)**
Hi Temp Wash	Raises main wash temperature to improve cleaning for loads containing tough, baked-on food.	**Sensor Heavy Normal Soak & Clean**	Raises the main wash temperature to 135°F (57°C).	**0:05 to 0:13**	**0 to 3.86 (0 to 14.6)**

OPTION SELECTIONS

OPTIONS		CAN BE SELECTED WITH	WHAT IT DOES	ADDED TIME TO CYCLE	ADDED WATER GALLONS (LITERS)
hold 3 sec Sani Rinse	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.	**Sensor Heavy Normal**	Raises the main wash temperature to 135°F (57°C) and the final rinse temperature to 156°F (69°C).	**0:05 to 1:06**	**0 to 3.86 (0 to 14.6)**
Heat Dry	Dries dishes with heat. 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. Use Heat Dry for optimum dry performance. Turn the Heat Dry option off for air dry.	**Sensor Heavy Normal Soak & Clean**	Uses heating element to speed drying times. Heat Dry option defaults to On when any cycle is selected, except for 1-Hour Wash.	**0:08 to 0:46**	**0**
Delay	Runs dishwasher at a later time. Select a wash cycle and options. Each time you press the delay button, it will display the next available delay time. Press DELAY. Press START/RESUME. Close door firmly. **NOTES:** ■ The dishwasher remembers the last Delay you selected. To reset the delay time to something other than what is displayed, continue to press the Delay button until the desired delay time is reached. ■ Anytime the door is opened (such as, to add a dish); START/RESUME must be pressed again to resume delay countdown.	**Available with any cycle**	Delays start of a cycle up to 24 hours.	**0:00**	**0**
hold 3 sec Sani Rinse	Avoids unintended use of dishwasher between cycles or cycle and option changes during a cycle. To turn on Lock, press and hold SANI RINSE/CONTROL LOCK or DELAY (depending on model) for 3 seconds. Control Lock light will stay on for a short time, indicating that it is activated and all buttons are disabled. If you press any button while your dishwasher is locked, light flashes 3 times. Dishwasher door can still be opened/closed while the controls are locked. To turn off Lock, press and hold SANI RINSE/CONTROL LOCK or DELAY (depending on model) for 3 seconds. Light turns off. **NOTE:** If your model requires you to press and hold DELAY to lock controls, Control Lock LED will be on or off to indicate whether Control Lock is active or not.				

CONTROLS AND CYCLE STATUS

CONTROL	PURPOSE	COMMENTS
	Press to start or resume a wash cycle. If the door is opened during a cycle or the power is interrupted, the Start/Resume button LED flashes. Cycle will not resume until door is closed and Start/Resume is pressed. **NOTE:** If Start/Resume button is located on top of door, push door firmly closed within 3 seconds of pressing START/RESUME. If door is not closed within 3 seconds, Start/Resume button LED will flash, an audible tone will be heard (on some top control models), and cycle will not start. Press to cancel wash cycle. Close the door firmly. The dishwasher starts a 2-minute drain (if needed). Let dishwasher drain completely. Press and hold START/RESUME for 3 seconds.	
	To follow progress of your dishwasher cycle. **NOTE:** Indicators shown are not available on all models.	The Clean indicator glows when a cycle is finished. If you select Sani Rinse option, when cycle is finished, the “Sanitized” indicator glows. If your dishwasher did not properly sanitize your dishes, the light flashes at the end of the cycle. This can happen if the cycle is interrupted, or water could not be heated to required temperature. The light goes off when you open and close door or press CANCEL.

Dishwasher Features

Your Whirlpool dishwasher may have some or all of these features.

TargetClean™ Wash Area

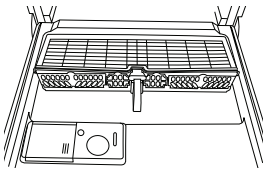
The TargetClean™ wash area is located at the back of the lower level rack.

NOTE: You must select the TargetClean™ wash option to use this feature. Make sure items do not interfere with the water feed tube, spray arms, or TargetClean™ spray jets.

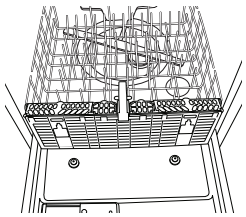
- Load pans, casserole dishes, etc., in the back of the lower dish rack with the soiled surfaces facing the TargetClean™ spray jets.
- Only one row of items may face the TargetClean™ spray jets. Stacking, overlapping, or nesting items will keep the TargetClean™ spray jets from contacting all of the surfaces.

ANYWARE™ PLUS silverware basket

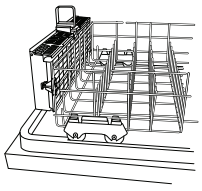
The ANYWARE™ PLUS silverware basket can be hung on the door, the bottom rack, or placed inside the bottom rack.



Door position



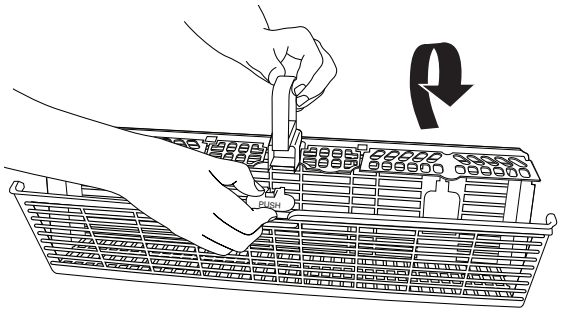
Rack position



Rack position side

To open the ANYWARE™ PLUS silverware basket

To unlock, grasp the front panel, pull up, and rotate 90° as shown. Make sure the front panel is up all the way before rotating. To unlock and rotate the front panel, grasp the front panel, as shown, and pull it up and out.



NOTE: Be sure the front panel of the silverware basket is completely locked into place before pulling out the bottom rack and before closing the dishwasher door.

To remove the basket from the door

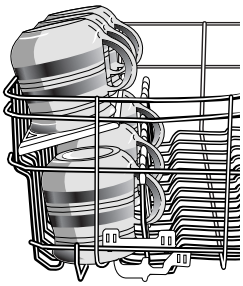
1. Grasp the silverware basket by the handle. Slide it toward the top of the door.
2. Lift the basket off the holding buttons.

To replace the basket in the door

1. Set the silverware basket on the holding buttons.
2. Slide the basket toward the bottom of the door until it locks into place.

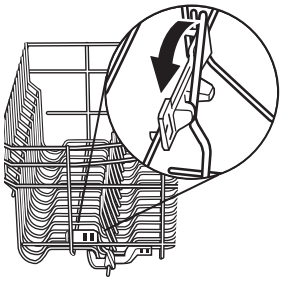
Cup shelves

Fold down the extra shelf on the left-hand or right-hand side of the top rack to hold additional cups, stemware, or long items such as utensils and spatulas.



Fold-Down Tines

The row of tines on the left-hand and right-hand sides of the upper, or in the back of lower rack can be adjusted to make room for a variety of dishes.

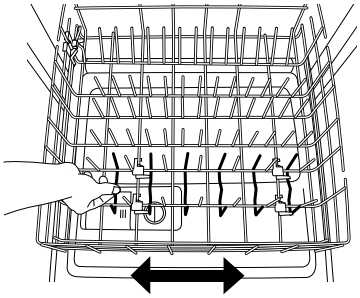


To adjust the fold-down tines

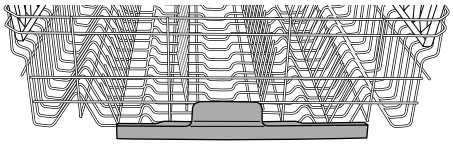
1. Grasp the tip of the tine that is in the tine holder.
2. Gently push the tine out of the holder.
3. Lay the tines down, toward the center of the rack.

EZ Adjust Tines

Sliding lower-rack tines that move left or right to fit your dishes. You can use this feature to fit larger items like cereal bowls and others.



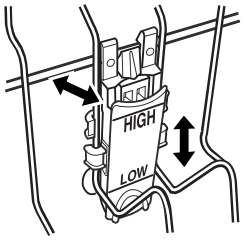
Silverware Spray (on some models)



Silverware Spray helps remove stuck-on food. It delivers a concentrated shower of water to the in-the-door silverware basket to eliminate rewashing.

EZ-2-Lift™ Top Rack Adjuster (on some models)

You can raise or lower the top rack to fit tall items in either the top or bottom rack. Adjusters are located on each side of the top rack.



Rack adjuster 1

To raise or lower the rack with adjuster 1

Hold the top rack with one hand near the adjuster and use the other hand to pull out the top of the adjuster. Raise or lower the rack to one of the preset positions.

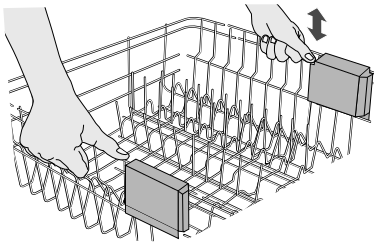
To raise the rack with adjuster 2

Lift and pull up.

To lower the rack

Lift up and let down.

NOTE: The top rack must be level.



Rack adjuster 2

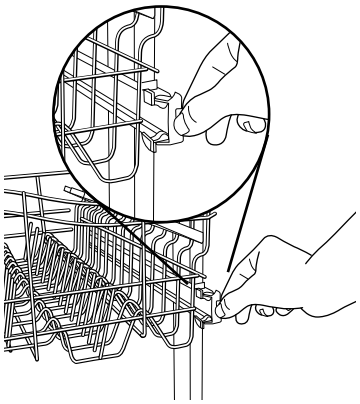
Removable Top Rack

The removable top rack allows you to wash larger items such as pots, roasters, and cookie sheets in the bottom rack.

IMPORTANT: Remove dishes prior to removing the top rack from the dishwasher.

To remove the rack

1. To gain access to the track stops, pull the upper rack forward about halfway out of the tub.
2. To open, flip the track stop toward the outside of the tub.
3. After opening both track stops, pull top rack out of the rails.
4. Close track stops and slide the tracks back into the dishwasher.



To replace the rack

1. Gently pull tracks forward in dishwasher until they stop. Open track stops.
2. Place the back wheels on each side of the rack into the track slot and roll them back into the tracks, but do not push the rack all the way into the tub.
3. Insert front rack wheels on each side of the rack into the track slots.
4. Slide rack into the dishwasher. The stops will automatically close when rack enters dishwasher.

Filtration System

Your dishwasher has the latest technology in dishwasher filtration. This triple filtration system minimizes sound and optimizes water and energy conservation while providing superior cleaning performance. Throughout the life of your dishwasher, the filter will require maintenance to sustain peak cleaning performance.

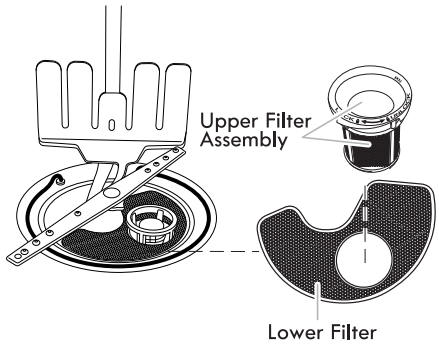
The triple filter system consists of 2 parts, an upper filter assembly and a lower filter.

- The upper filter assembly keeps oversized items and foreign objects, along with very fine food particles, out of the pump.
- The lower filter keeps food from being recirculated onto your dishware.

The filters may need to be cleaned when:

- Visible objects or soils are on the upper filter assembly.
- There is degradation in cleaning performance (that is, soils still present on dishes).
- Dishes feel gritty to the touch.

It is very easy to remove and maintain the filters. The chart below shows the recommended cleaning frequency.



RECOMMENDED TIME INTERVAL TO CLEAN YOUR FILTER

Number of Loads Per Week	If you only scrape before loading*	If you scrape and rinse before loading	If you wash before loading
8-12	Every two months	Every four months	Once per year
4-7	Every four months	Once per year	Once per year
1-3	Twice per year	Once per year	Once per year

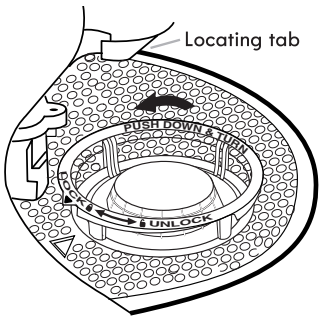
*Manufacturer's recommendation: This practice will conserve the water and energy that you would have used to prepare your dishes. This will also save you time and effort.

Very Hard Water

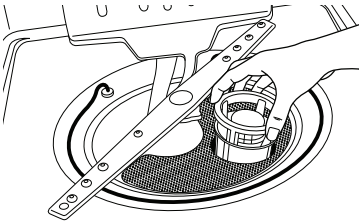
If you have hard water (above 15 grains), clean your filter at least once per month. Building up of white residue on your dishwasher indicates hard water. For tips on removing spots and stains. See the “Troubleshooting” section.

Filter Removal Instructions

1. Turn the upper filter assembly ¼ turn counterclockwise and lift out.
2. Separate the upper filter assembly by gently pulling apart.
3. Clean the filters as shown.



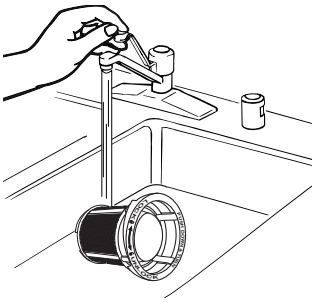
To remove upper filter assembly

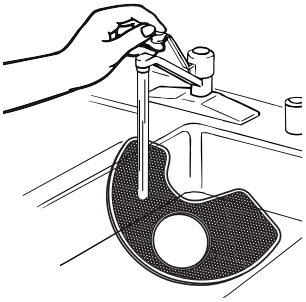


Cleaning Instructions

IMPORTANT: Do not use wire brush, scouring pad, etc., as they may damage the filters.

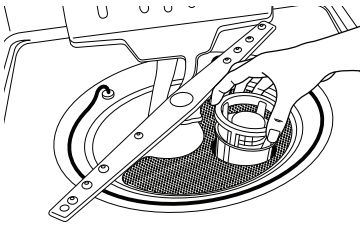
Rinse filter under running water until most soils are removed. If you have hard-to-remove soils or calcium deposits from hard water, a soft brush may be required.

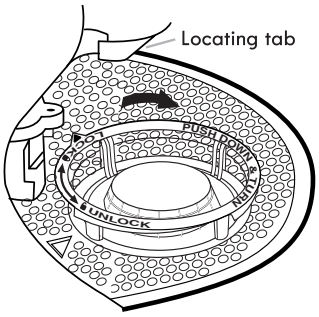




Filter Reinstallation Instructions

1. Noting the previous illustrations, place the lower filter under the locating tabs in the bottom of the dishwasher so the round opening for the upper filter assembly lines up with the round opening in the bottom of the tub.
2. Insert the upper filter assembly into the circular opening in the lower filter.





To replace upper filter assembly

3. Slowly rotate the filter clockwise until it drops into place. Continue to rotate until the filter is locked into place. If the filter is not fully seated (still turns freely), continue to turn the filter clockwise until it drops and locks into place.

   NOTE: The upper filter assembly arrow does not have to align with the arrow in the lower filter as long as the filter is locked.

IMPORTANT: To avoid damage to dishwasher, do not operate your dishwasher without the filters properly installed. Be sure the lower filter is securely in place and the upper filter assembly is locked into place. If the upper filter assembly turns freely, it is not locked into place.

Dishwasher Care

CLEANING THE DISHWASHER

Cleaning the Exterior

Clean the exterior of the dishwasher with a soft, damp cloth and mild detergent. If your dishwasher has a stainless steel exterior, a stainless steel cleaner is recommended - Stainless Steel Cleaner and Polish Part Number 31464.

Cleaning the interior

Clean the interior of the dishwasher, with a paste of powdered dishwasher detergent and water or use liquid dishwasher detergent on a damp sponge to clean the cooled-down interior.

A white vinegar rinse may remove white spots and film. Vinegar is an acid and using it too often could damage your dishwasher.

Put 2 cups (500 mL) white vinegar in a glass or dishwasher-safe measuring cup on the bottom rack. Run the dishwasher through a complete washing cycle using an air-dry or an energy saving dry option. Do not use detergent. Vinegar will mix with the wash water.

Dishwasher maintenance procedure

Removal of Hard Water/Filming

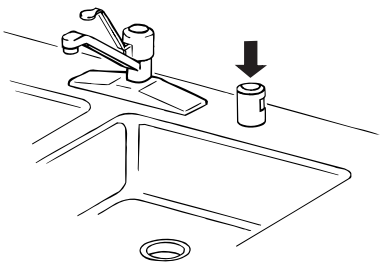
Recommended use of a monthly maintenance product such as affresh®† Dishwasher Cleaner Part Number W10282479.

- Load your dishwasher (preferably with dishes affected by filming/hard water).
- Place tablet in main wash compartment of detergent dispenser.
- Select cycle/option best for heavily soiled dishes and start dishwasher.

NOTE: It is recommended to use a premeasured detergent tablet or pack for regular daily use.

Drain air gap

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.

†® affresh is a registered trademark of Whirlpool, U.S.A.

Troubleshooting

First try the solutions suggested here. If you need further assistance or more recommendations that may help you avoid a service call, refer to the warranty page in this manual and scan the code with your mobile device, or visit **www.whirlpool.com/product_help**. In Canada, visit **www.whirlpool.ca**.

Contact us by mail with any questions or concerns at the address below:

In the U.S.A.:

Whirlpool Brand Home Appliances
Customer eXperience Center
553 Benson Road
Benton Harbor, MI 49022-2692

Please include a daytime phone number in your correspondence.

In Canada:

Whirlpool Brand Home Appliances
Customer eXperience Centre
200 – 6750 Century Ave.
Mississauga, Ontario L5N 0B7

Dishwasher is not operating properly

- **Dishwasher does not run or stops during a cycle**

  It is normal for certain cycles to repeatedly pause for several seconds during the main wash.

  Is the door closed tightly and latched?

  Is the right cycle selected?

  Is there power to the dishwasher? Has a household fuse blown, or has a circuit breaker tripped? Replace the fuse or reset the circuit breaker. If the problem continues, call an electrician.

  Has the motor stopped due to an overload? The motor automatically resets itself within a few minutes. If it does not restart, call for service.

  Is the water shut-off valve (if installed) turned on?

- **The Clean light is flashing**

  Check the following:

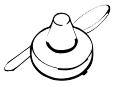
  - Is the overfill protection float able to move up and down freely? Press down to release.
  - Be sure the water supply is turned on to the dishwasher. (This is very important following the new installation of your dishwasher.)
  - Check for suds in the dishwasher. If foam or suds are detected by the dishwasher sensing system, the dishwasher may not operate properly or may not fill with water.

    Suds can come from:

    1. Using the incorrect type of detergent, such as laundry detergent, hand soap, or dish detergent for hand washing dishes.
    2. Forgetting to replace the rinse aid dispenser cap after filling (or refilling) the rinse aid.
    3. Using an excessive amount of dishwasher detergent.

- **Dishwasher will not fill**

  Is the overfill protection float able to move up and down freely? Press down to release.



- **Dishwasher seems to run too long**

  Try the 1 Hour Wash cycle.

  Is the water supplied to the dishwasher hot enough? The dishwasher runs longer while heating water.

  Is the dishwasher cycle time within the cycle times? See cycle section wash times. A delay automatically occurs in some wash and rinse cycles until the water reaches the proper temperature.

  This dishwasher is equipped with an optical sensor wash that detects water temperature, soil, and detergent amount. Wash cycles are adjusted based on the load sensing.

  IMPORTANT: The very first wash cycle after installation in your home will be adjusted to include an additional 2 rinses. This cycle must not be interrupted for proper sensor adjustment. If this adjustment cycle is canceled or stopped before the Clean light comes on at the end of the cycle, the next wash cycle will repeat this sensor adjustment.

- **Water remains in the dishwasher**

  Is the cycle complete?

  Was the disposer knockout plug removed during installation? See “Install the drain hose” section in the Installation Instructions.

- **Detergent remains in the covered section of the dispenser**

  Is the cycle complete?

  Check for items such as cookie sheets, cutting boards, or large containers that may be blocking the detergent dispenser from opening properly.

  Be sure the cycle has finished (green light is on). If it has not finished, you will need to resume the cycle by pressing START/RESUME and closing the door within 3 seconds.

  Is the detergent lump-free? Replace detergent if necessary.

- **White residue on the front of the access panel**

  Was too much detergent used?

  Is the brand of detergent making excess foam? Try a different brand to reduce foaming and eliminate buildup.

- **Odor in the dishwasher**

  Are dishes washed only every 2 or 3 days?

  Check and clean your filters regularly. See the table in the “Filtration System” section for “Recommended Time Interval to Clean Your Filter.”

  Does the dishwasher have a new plastic smell? Run a vinegar rinse as described in the “Dishwasher Care” section.

  To avoid odor, use affresh® dishwasher and disposal cleaner tablet once a month or as needed for a fresher dishwasher as described in the “Dishwasher Care” section.

- **Condensation on the kitchen counter (built-in models)**

  Is the dishwasher aligned with the countertop? Moisture from the vent in the dishwasher console can form on the counter. Refer to the Installation Instructions for more information.

- **Bottom rack does not fully slide into the dishwasher**

  Check to see if items loaded for TargetClean™ wash option have shifted. Reload to keep items from interfering with spray jets or spray arm.

Dishes do not dry completely

- **Dishes do not dry completely**

  Did you use a 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 Heat Dry option will not perform as well without rinse aid.

- **Dishes are not dry**

  Did you load your dishwasher to allow proper water drainage? Do not overload. Use a liquid rinse aid to speed drying.

  Are the plastics wet? Plastics often need towel drying.

  Is the rinse aid dispenser empty?

  Did you use an air-dry or energy-saving dry option? Use a heated drying option for dryer dishes.

- **Excess moisture on racks and dishwasher interior**

  Check the rinse aid indicator to see that there is rinse aid in the dispenser.

Spots and stains on dishes

- **Spotting and filming on dishes**

  Is your water hard or is there a high mineral content in your water? Conditioning the final rinse water with a liquid rinse aid helps eliminate spotting and filming. Keep the rinse aid dispenser filled. Always use a high-temp option. If your water hardness is 13 grains or above, it is strongly recommended that you install a home water softener. If you do not wish to drink softened water, have the softener installed onto your hot water supply.

  Is the water temperature too low? For best dishwashing results, water should be 120°F (49°C) as it enters the dishwasher.

  Did you use the correct amount of effective detergent? Use recommended dishwasher detergents only. Do not use less than 1 tbs (15 g) per load. Detergent must be fresh to be effective. Heavy soil and/or hard water generally require extra detergent.

  Using dishwasher detergent tablets and packs have been proven better than powder, liquid, or gel detergents to reduce filming on your dishes. By using these tablets and packs, over time this will start to reduce or eliminate white film. Also, by using a rinse aid, you can minimize repeat buildup of white film.

  Is the home water pressure high enough for proper dishwasher filling? Home water pressure should be 20 to 120 psi (138 to 828 kPa) for proper dishwasher fill. If you have questions about your water pressure, call a licensed, qualified plumber.

  NOTE: To remove spots and film from glassware, remove all silverware and metal items and run a vinegar rinse as described in the “Dishwasher Care” section.

- **Silica film or etching (silica film is a milky, rainbow-colored deposit; etching is a cloudy film)**

  Sometimes there is a water/chemical reaction with certain types of glassware. This is usually caused by some combination of soft or softened water, alkaline washing solutions, insufficient rinsing, overloading the dishwasher, and the heat of drying. It might not be possible to avoid the problem, except by hand washing.

  To slow this process, use a minimum amount of detergent but not less than 1 tbs (15 g) per load. Use a liquid rinse aid and underload the dishwasher to allow thorough rinsing. Silica film and etching are permanent and cannot be removed. Do not use heated drying.

- **White spots on cookware with nonstick finish**

  Has the dishwasher detergent removed cookware seasoning? Reseason cookware after washing it in the dishwasher.

- **Brown stains on dishes and dishwasher interior**

  Does your water have high iron content? Rewash dishes using 1-3 tsp (5-15 mL) of citric acid crystals added to the covered section of the detergent dispenser. Do not use detergent. Follow with a Normal wash cycle with detergent. If treatment is needed more often than every other month, the installation of an iron removal unit is suggested.

- **Black or gray marks on dishes**

  Are aluminum items rubbing dishes during washing? Disposable aluminum items can break down in the dishwasher and cause marking. Hand wash these items. Remove aluminum markings by using a mild abrasive cleaner.

- **Orange stains on plastic dishes or dishwasher interior**

  Are large amounts of tomato-based foods on dishes placed in the dishwasher? It may be necessary to use a stain removal product to remove stains from your dishwasher. Stains will not affect dishwasher performance.

Noises

- **Surging sounds**

  Surging sounds can occur periodically throughout the cycle while the dishwasher is draining.

- **Valve hissing**

  Normal water valve hissing may be heard periodically during the water fill.

- **Snapping sound**

  A normal snap sound may be heard when the detergent dispenser opens during the cycle and when the door is opened at the end of the cycle.

- **Grinding, grating, crunching, or buzzing sounds**

  A hard object has entered the wash module (on some models). When the object is ground up, the sound should stop. If the noise persists after a complete cycle, call for service.

Dishwasher stops and starts

- **Numerous starts and stops**

  It is normal to hear numerous starts and stops throughout your entire cycle. These starts and stops are needed to provide optimal cleaning performance and energy savings.

- **Depending on cycle selected**

  Depending on the cycle selected and the soil level sensed by the “Optical Water Sensor” (on some models), you will experience more starts and stops throughout the entire cycle.

Dishes are not completely clean

- **Food soil left on the dishes**

  Is the dishwasher loaded correctly?

  Check and clean your filters regularly. See the table in the "Filtration System" section for "Recommended Time Interval to Clean Your Filter."

  Did you choose the cycle that describes the most difficult soil in your dishwasher? If you have some items with heavier soils, use a heavier cycle.

  Is the water temperature too low? For best dishwashing results, water should be 120°F (49°C) as it enters the dishwasher.

  Did you use the correct amount of fresh detergent? Use recommended dishwasher detergents only. Do not use less than 1 tbs (15 g) per load. Detergent must be fresh to be effective. Heavy soil and/or hard water generally require extra detergent.

  Is detergent caked in dispenser? Use fresh detergent only. Do not allow detergent to sit for several hours in a wet dispenser. Clean dispenser when caked detergent is present.

  Is the pump or spray arm clogged by labels from bottles and cans?

  Is the home water pressure high enough for proper dishwasher filling? Home water pressure should be 20 to 120 psi (138 to 828 kPa) for proper dishwasher fill. If you have questions about your water pressure, call a licensed, qualified plumber.

  Are high suds slowing the wash arm? Do not use soap or laundry detergents. Use recommended dishwasher detergents only.

- **Dishes in the TargetClean™ wash area are not clean**

  Are the dishes loaded to face the TargetClean™ spray jets? Load soiled dish surfaces to face the back of the dishwasher toward the TargetClean™ spray jets. Tilt the dishes toward the back so water can drain from surfaces and the lower spray arm can wash the item from below.

  NOTE: Loaded items may shift when dish racks are pushed into the dishwasher. Make sure dishes do not interfere with the spray arms, water feed tube, or TargetClean™ spray jets.

  Are items loaded so they do not overlap? Load items only one row deep without any overlap so that the TargetClean™ spray jets can reach all surfaces.

Dishes are damaged during a cycle

- **Chipping of dishes**

  Did you load the dishwasher properly? Load the dishes and glasses so they are stable and do not strike together from washing action. Minimize chipping by moving the rack in and out slowly.

  NOTE: Antiques, feather-edged crystal, and similar types of china and glassware might be too delicate for automatic dishwashing. Wash by hand.

WHIRLPOOL®
MAJOR APPLIANCE
LIMITED WARRANTY

ATTACH YOUR RECEIPT HERE. PROOF OF PURCHASE IS REQUIRED TO OBTAIN WARRANTY SERVICE.

Please have the following information available when you call the Customer eXperience Center:

- Name, address and telephone number
- Model number and serial number
- A clear, detailed description of the problem
- Proof of purchase including dealer or retailer name and address

IF YOU NEED SERVICE:

1. Before contacting us to arrange service, please determine whether your product requires repair. Some questions can be addressed without service. Please take a few minutes to review the Troubleshooting or Problem Solver section of the Use and Care Guide, scan the QR code on the right to access additional resources, or visit www.whirlpool.com/product_help.
2. All warranty service is provided exclusively by our authorized Whirlpool Service Providers. In the U.S. and Canada, direct all requests for warranty service to:

Whirlpool Customer eXperience Center

In the U.S.A., call 1-800-253-1301. In Canada, call 1-800-807-6777.

www.whirlpool.com/product_help

If outside the 50 United States or Canada, contact your authorized Whirlpool dealer to determine whether another warranty applies.

ONE YEAR LIMITED WARRANTY

WHAT IS COVERED

For one year from the date of purchase, when this major appliance is installed, operated and maintained according to instructions attached to or furnished with the product, Whirlpool Corporation or Whirlpool Canada LP (hereafter "Whirlpool") will pay for Factory Specified Replacement Parts and repair labor to correct defects in materials or workmanship that existed when this major appliance was purchased, or at its sole discretion replace the product. In the event of product replacement, your appliance will be warranted for the remaining term of the original unit's warranty period.

YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. Service must be provided by a Whirlpool designated service company. This limited warranty is valid only in the United States or Canada and applies only when the major appliance is used in the country in which it was purchased. This limited warranty is effective from the date of original consumer purchase. Proof of original purchase date is required to obtain service under this limited warranty.

WHAT IS NOT COVERED

1. Commercial, non-residential, multiple-family use, or use inconsistent with published user, operator or installation instructions.
2. In-home instruction on how to use your product.
3. Service to correct improper product maintenance or installation, installation not in accordance with electrical or plumbing codes or correction of household electrical or plumbing (i.e. house wiring, fuses or water inlet hoses).
4. Consumable parts (i.e. light bulbs, batteries, air or water filters, preservation solutions, etc.).
5. Defects or damage caused by the use of non-genuine Whirlpool parts or accessories.
6. Conversion of products from natural gas or L.P. gas.
7. Damage from accident, misuse, abuse, fire, floods, acts of God or use with products not approved by Whirlpool.
8. Repairs to parts or systems to correct product damage or defects caused by unauthorized service, alteration or modification of the appliance.
9. Cosmetic damage including scratches, dents, chips, and other damage to the appliance finishes unless such damage results from defects in materials and workmanship and is reported to Whirlpool within 30 days.
10. Discoloration, rust or oxidation of surfaces resulting from caustic or corrosive environments including but not limited to high salt concentrations, high moisture or humidity or exposure to chemicals.
11. Food or medicine loss due to product failure.
12. Pick-up or delivery. This product is intended for in-home repair.
13. Travel or transportation expenses for service in remote locations where an authorized Whirlpool servicer is not available.
14. Removal or reinstallation of inaccessible appliances or built-in fixtures (i.e. trim, decorative panels, flooring, cabinetry, islands, countertops, drywall, etc.) that interfere with servicing, removal or replacement of the product.
15. Service or parts for appliances with original model/serial numbers removed, altered or not easily determined.

The cost of repair or replacement under these excluded circumstances shall be borne by the customer.

DISCLAIMER OF IMPLIED WARRANTIES

IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW. Some states and provinces do not allow limitations on the duration of implied warranties of merchantability or fitness, so this limitation may not apply to you. This warranty gives you specific legal rights, and you also may have other rights that vary from state to state or province to province.

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Whirlpool makes no representations about the quality, durability, or need for service or repair of this major appliance other than the representations contained in this warranty. If you want a longer or more comprehensive warranty than the limited warranty that comes with this major appliance, you should ask Whirlpool or your retailer about buying an extended warranty.

LIMITATION OF REMEDIES; EXCLUSION OF INCIDENTAL AND CONSEQUENTIAL DAMAGES

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