

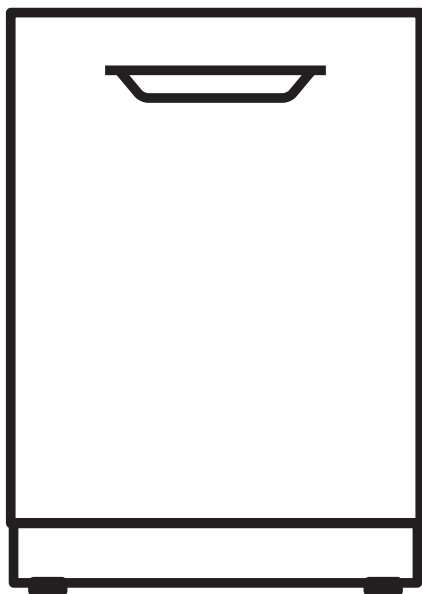
BLACK+[®] DECKER



BUILT-IN DISHWASHER

USE AND CARE MANUAL
CATALOG NUMBER

BDW400MS



Thank you for choosing BLACK+DECKER!
PLEASE READ BEFORE RETURNING THIS PRODUCT FOR ANY REASON.

If you have a question or experience a problem with your BLACK+DECKER purchase, go to www.blackanddecker.com/instantanswers If you can't find the answer or do not have access to the Internet, call 844-299-0879 from 10:30 a.m. to 6:30 p.m. EST Mon. - Fri. to speak with an agent. Please have the catalog number available when you call.

SAVE THIS MANUAL FOR FUTURE REFERENCE.

PRODUCT REGISTRATION

Thank you for purchasing our BLACK+DECKER product. This easy-to-use manual will guide you in getting the best use of your product.

Remember to record the model and serial numbers. They are on a label on the rear.

Model number

Serial number

Date of purchase

Staple your receipt to your manual.
You will need it to obtain warranty service.

SAFETY INFORMATION



DANGER

DANGER - Immediate hazards which **WILL** result in severe personal injury or death



WARNING

WARNING - Hazards or unsafe practices which **COULD** result in severe personal injury or death



CAUTION

CAUTION - Hazards or unsafe practices which **COULD** result in minor personal injury

IMPORTANT SAFETY INSTRUCTIONS



WARNING

When using your dishwasher, follow basic precautions, including the following

1. READ ALL INSTRUCTIONS BEFORE USING THE DISHWASHER
2. Use the dishwasher only for its intended function.
3. Use only detergents or wetting agents recommended for use in a dishwasher and keep them out of the reach of children.
4. When loading items to be washed:
 - 1) Locate sharp items so that they are not likely to damage the door seal;
 - 2) Warning: Knives and other utensils with sharp points must be loaded in the basket with their points down or placed in a horizontal position.
5. Check that the detergent receptacle is empty after completion of the wash cycle.
6. Use only detergent and rinse additives designed for an automatic dishwasher.
7. Never use soap, laundry detergent, or hand washing detergent in your dishwasher. Keep these products out of the reach of children.
8. Keep children away from detergent and rinse aid. Keep children away from the open door of the dishwasher, there could still be some detergent left inside.
9. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
10. Children should be supervised to ensure that they do not play with the appliance.
11. Dishwasher detergents are strongly alkaline, they can be extremely dangerous if swallowed. Avoid contact with skin and eyes and keep children away from the dishwasher when the door is open.
12. The door should not be left in the open position since this could present a tripping hazard.

SAFETY INFORMATION

13. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
14. Remove the door to the washing compartment when removing an old dishwasher from service or discarding it.
15. Please dispose of packing materials properly.
16. Use the dishwasher only for its intended function.
17. During installation, the power supply must not be excessively or dangerously bent or flattened. Do not tamper with controls.
18. The appliance is to be connected to the water mains using new hose sets and that old hose-sets should not be reused.
19. The maximum number of place settings to be washed is 12.
20. Do not use this dishwasher outdoors.
21. This appliance must be properly installed in accordance with the installation instructions before its use.
22. This appliance must be connected to a proper electrical outlet with the correct electrical supply.
23. Disconnect electrical power and water intake hose to dishwasher before cleaning and/or servicing.
24. 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.
25. Do not wash plastic items unless they are marked as dishwasher safe. For plastic items not so marked, check the manufacturer's recommendations.
26. Do not touch the HEATING ELEMENT during or immediately after use.
27. Do not operate your dishwasher unless all ENCLOSURE panels are properly in place.
28. Do not tamper with controls.
Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.

SAVE THESE INSTRUCTIONS
HOUSEHOLD USE ONLY
GROUNDING INSTRUCTIONS

SAFETY INFORMATION

ELECTRICAL REQUIREMENTS

This appliance 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. This appliance 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 appliance is properly grounded. Do not modify the plug provided with the appliance, if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

POWER SUPPLY CORD

- If the power supply cord is too short, do not use an extension cord. Have a qualified electrician or serviceman install an outlet near the appliance.

SET UP & USE

INSTALLATION INSTRUCTIONS

WARNING


Electrical Shock Hazard - Disconnect electrical power before installing dishwasher.
Failure to do so can result in death or electric shock.

CAUTION: The installation of the pipes and electrical equipment should be done by professionals.

The installation position of dishwasher should be near the existing inlet and drain hoses and power cord.

One side of the cabinet sink should be chosen to facilitate the connection of drain hoses of the dishwasher.

Position the appliance in the desired location. The back should rest against the wall behind it, and the sides, along the adjacent cabinets or wall. The dishwasher is equipped with water supply and drain hoses that can be positioned to the right or the left to facilitate proper installation.


 **WARNING:** DO NOT USE AN EXTENSION CORD OR AN ADAPTER PLUG WITH THIS APPLIANCE.
DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE GROUND CONNECTION FROM THE POWER CORD.

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:** Cancer and Reproductive Harm
www.P65Warnings.ca.gov

SET UP & USE

WARNING

Suffocation Hazard-Before you throw away your old appliance, remove the door or lid so that children cannot hide or get trapped inside your old appliance. Failure to follow these instructions can result in death or brain damage.

CAUTION:

- Never use harsh chemicals 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 the possible damages or consequences.
- To avoid possible dishwasher damage, do not use harsh chemicals, abrasive cleaners, scouring pads (metal or plastic), or abrasive cloths/paper towels to clean your dishwasher's exterior door panel. Your dishwasher's exterior door panel can be damaged by doing so.
- It is highly recommended that the user become familiar with the procedure to shut off the incoming water supply and the procedure to shut off the incoming power supply. See the Installation Instructions or contact your installer for more information.
- If the dishwasher drains into a food disposer, make sure disposer is completely empty before running dishwasher.
- NSF/ANSI 184 Certified residential dishwashers are not intended for licensed food establishments.
- 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.
- Not for outdoor use.

SET UP & USE

OPERATING REQUIREMENTS

ELECTRICAL REQUIREMENTS



WARNING

Electrical Shock Hazard-

- Electrically ground dishwasher.
- Connect ground wire to green ground connector in terminal box.
- Do not use an extension cord.
- Failure to follow these instructions can result in death, fire, or electrical shock.

This dishwasher is designed for operation on an adequately wired individual 120 V, 60 Hz, 15- or 20-amp fused electrical supply with copper wire only. It is recommended that a time-delay fuse or circuit breaker is used, and that a separate circuit serving only this appliance is provided. If an outlet is used, the outlet should be placed in adjacent cabinet.

LOCATION REQUIREMENTS

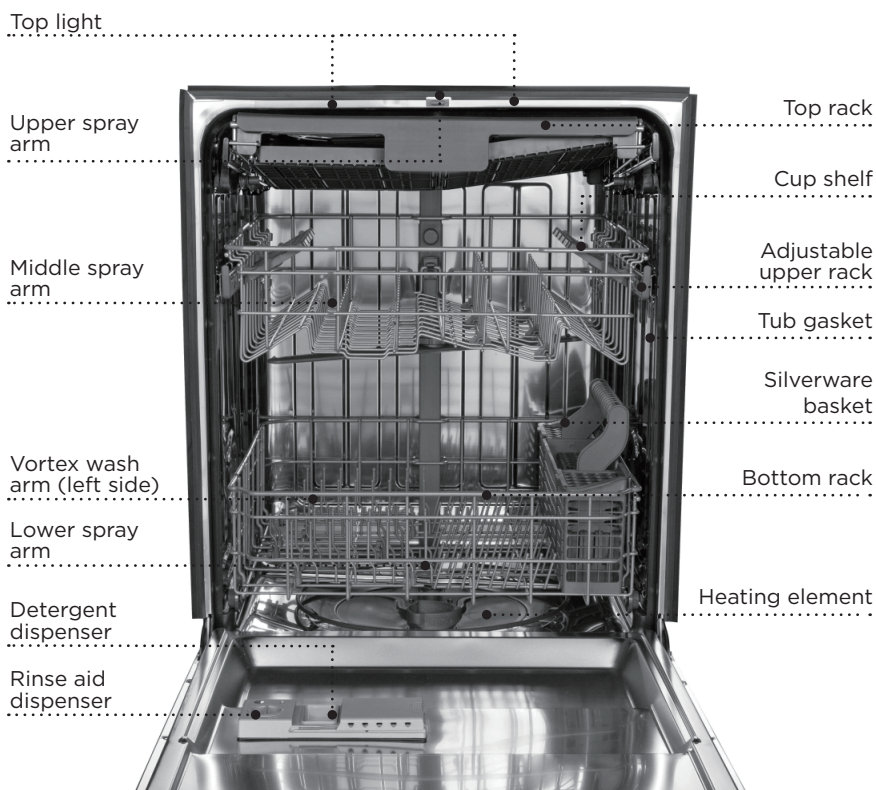
- Install where dishwasher is protected from the elements. Protect against freezing to avoid possible rupture of fill valve. Such ruptures are not covered by the warranty. For winter storage information, see “Storing” in the “Dishwasher Care” section.
- Install and level dishwasher on a floor that will hold the weight and in an area suitable for its size and use.

WATER SUPPLY REQUIREMENTS

- The water supply temperature should be 120°F to 150°F (49°C to 66°C).
- The water supply must maintain water pressure between 20 and 80 psi for sufficient flow.

SET UP & USE

PARTS AND FEATURES



SET UP & USE

INSTALLING AND SETTING UP YOUR DISHWASHER

1. Water supply temperature should be between 120° F and 149° F (49° C and 65° C).
2. Dispose of the discarded appliance and packing material properly.
3. The dishwasher must be grounded or it can result in a risk of electric shock.
4. If there is any damage of the contact to the dishwasher, please contact Customer Service. Do not attempt to repair or replace any part by yourself.

For information on installing and setting up your dishwasher, refer to the Installation Guide provided.

BEFORE USING YOUR DISHWASHER

1. Remove the interior packing.
2. Clean the interior surface with lukewarm water using a soft cloth.

FINDING A SUITABLE LOCATION

- This dishwasher is designed to be built-in.
- The dishwasher door must be able to swing fully open.

PROVIDING A PROPER POWER SUPPLY

- Check your local power source. This dishwasher requires a 120V, 60Hz power supply.
- Refer to the Installation Guide for additional information.

UNDERSTANDING YOUR DISHWASHER'S FEATURES

HOW YOUR DISHWASHER CLEANS

The dishwasher fills with water, covering the filter area at the bottom. Water is then pumped through the various filter and spray arms, spraying a mixture of hot water and detergent against the soiled surfaces of your dishes and silverware. Soil particles are separated and go down the drain as the dirty water is drained and replaced with clean water. The number of water fills is determined by the cycle selected.

WASH CYCLE SELECTIONS

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

SET UP & USE

FILTER SYSTEM

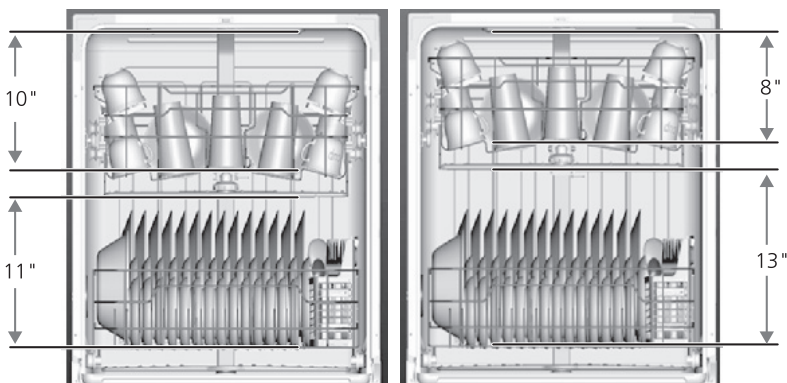
Your dishwasher has a multiple filter system which includes four separate filter meshes. It separates dirty water and clean water into different chambers. The multiple filter system helps your dishwasher to get better performance with less water and less energy.

SMART WASH SYSTEM

Your dishwasher has a smart wash system under the normal wash program which selects the wash cycle based on how large and how soiled the load, permitting your dishwasher to clean more efficiently every time. When a partial load of lightly soiled dishes is placed in the unit, a short wash cycle is automatically selected. When a full load of heavily soiled dishes is placed in the unit, a heavy wash cycle is automatically selected.

ADJUSTABLE UPPER RACK

The upper rack of your dishwasher can be raised or lowered to accommodate loading dishes of varying heights in either rack. After removing the 3rd rack, the upper rack clearance height can be adjusted from 8" to 10". The lower rack clearance height can be adjusted from 11" to 13". See "Adjusting the upper rack".



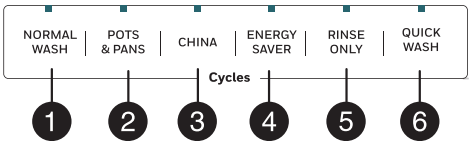
SET UP & USE

USING YOUR DISHWASHER

USING THE CONTROL PANEL

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

CYCLES



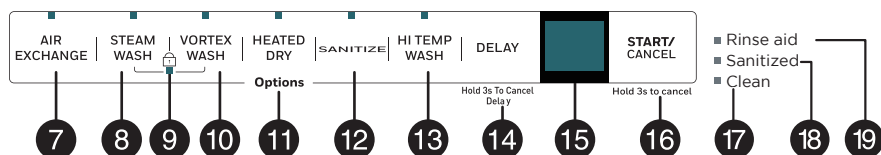
Select a cycle based on the type of dishes to be washed and the level of soil on the dishes.

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.

	CYCLE	DESCRIPTION	WATER USE	CYCLE TIME (MINUTES)
1	Normal Wash	Use for regularly soiled dinner dishes or silverware.	3.0 - 5.9 gal. (11.4- 22.5 l)	102-120
2	POTS & PANS	Use for hard-to-clean, heavily soiled dishes, pots, and pans.	6.9 gal. (26.2 l)	138
3	CHINA	Use for lightly soiled china and crystal.	5.9 gal. (22.5 l)	114
4	ENERGY SAVER	Use for light soiled or prerinsed dishes and silverware.	5.0 gal. (18.8 l)	134
5	RINSE ONLY	Use for pre-rinsing dishes or glasses. This is only a rinse that keeps food from drying on your dishes and reduces odor buildup in your dishwasher until you are ready to wash a full load. Do not use detergent.	2.0 gal. (7.7 l)	20
6	QUICK WASH	Use for lightly soiled or pre-rinsed dishes and silverware.	4.0 gal. (18.8 l)	60

SET UP & USE

FUNCTIONS



Functions can add enhancements to the cycle selected.

- 7 **AIR EXCHANGE**—Use to exchange the air in your dishwasher every six hours to keep the air in the dishwasher fresh.
- 8 **STEAM WASH**—Use for heavily soiled items. This option adds additional time to the cycle time and is available with the Pots & pans, Normal Wash, and Energy Saver cycles.
- 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.
- 10 **VORTEX WASH**—Use when you want to wash 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. This function is not available for the rinse only cycle.
- 11 **HEATING DRY**—Use to heat-dry your dishes. This function is not available for rinse only cycle.
- 12 **SANITIZE**—Use to sanitize your dishes and glassware. Maintains the water temperature at 158° F (70°C) max., and is available with the POTS & PANS, NORMAL WASH, and ENERGY SAVER cycles.

NOTE:

- Certified residential dishwashers are not intended for licensed food establishments.
- The sanitize cycle is NSF certified.

- 13 **HI TEMP WASH**—Use to maintain the water temperature at 140°F (60°C) max. This option is available with the POTS & PANS, NORMAL WASH cycles.

CONTROLS AND INDICATORS

- 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 hours 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 Delay for three seconds, then close the door within four seconds to begin the cycle from that point.

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.

SET UP & USE

15 DISPLAY—Shows the remaining hours and minutes of the current cycle, delay hours remaining, and error codes (see “Error codes” section).

NOTE:

If the remaining time on the display suddenly increases or decreases by several minutes, it means that the Smart Sensor has checked the soil level or the water needs to be heated to reach the required temperature.

16 START/CANCEL—Press to start the dishwasher after you have selected a cycle and function (if desired). Close the door. The cycle indicator begins to blink and the function indicator turns on. 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.

To cancel a running cycle, open the door, then press and hold START/CANCEL for three seconds. The dishwasher will return to standby status.

To load more dishes or pause the dishwasher while it's already running, open the door. A safety mechanism stops the cycle.

Caution: To avoid injury open the door slowly and carefully. There is a possibility of hot steam from inside the dishwasher.

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 if the dish quantity is small. If the quantity is large, restart the cycle.

17 Clean—Turns on after a cycle finished. Turns off after 60 seconds when the door is opened.

18 Sanitized—Turns on when a sanitized cycle is finished. Turns off after 60 seconds, when the door is opened.

19 Rinse Aid—Turns on when you need to add rinse aid.

BASIC OPERATION

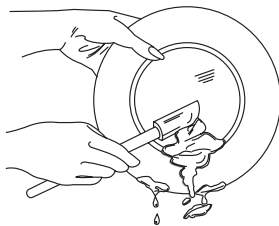
1. Load the dishwasher (See preparing and loading dishes).
2. Add detergent (See “Filling the detergent dispenser” section).
3. Add rinse aid, if needed (See “Filling the rinse aid dispenser” section).
4. Select the cycle you want (See the “Basic operation” section). The indicator will light when the selection is made.
5. Select the function you want. The indicator will light when the selection is made.
6. To start, press START/CANCEL on the control pad.
7. Close the door within four seconds and the wash cycle will begin.

SET UP & USE

PREPARING AND LOADING DISHES

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.

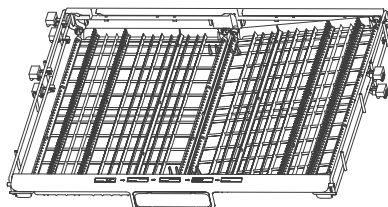


- Burned-on foods should be loosened before loading.
- Empty liquids from glasses and cups.
- Foods such as mustard, mayonnaise, vinegar, lemon juice, and tomato-based products may cause discoloration of stainless steel and plastics if allowed to sit for a long period of time. Unless the dishwasher is to be operated at once, it is best to rinse off these types of foods.
- If the dishwasher drains into a garbage disposal, be sure the disposal is completely empty before starting dishwasher.

SET UP & USE

ADJUSTING THE TOP RACK

This dishwasher has a convenient top rack for silverware, cutlery, and small items. This rack can be adjusted to accommodate varying loads, as shown below.



Left rack adjusted to lower position and right rack angled



Left rack adjusted to lower position and right rack to upper position



Left rack adjusted to lower position and right rack moved to the left

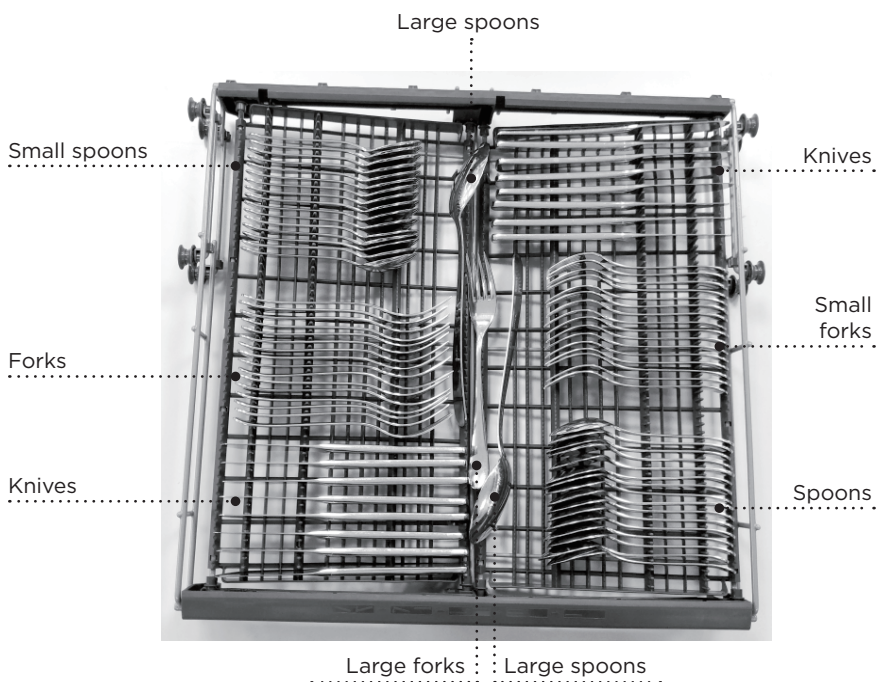


Left rack adjusted to lower position and right rack removed

SET UP & USE

LOADING THE TOP RACK

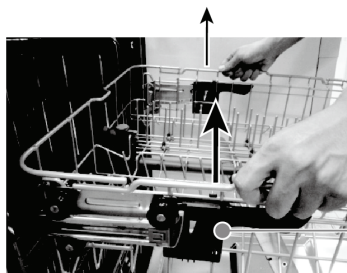
You can place the items in the top rack randomly or in an orderly fashion. The image below shows how to load the top rack for 16 place settings:



ADJUSTING THE UPPER RACK

The height of the upper rack can be adjusted to accommodate loading taller dishes in either rack.

1. Lift the rack to move it to the upper position.



SET UP & USE

2. Press the handle to move it to the 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.

NOTE:

Make sure that 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 are shown below:



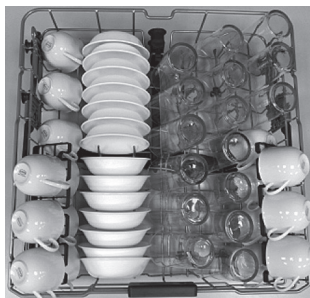
8 place settings



10 place settings



12 place settings



16 place settings

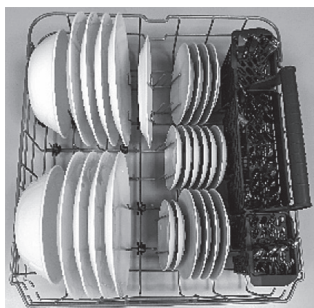
SET UP & USE

LOADING THE BOTTOM RACK

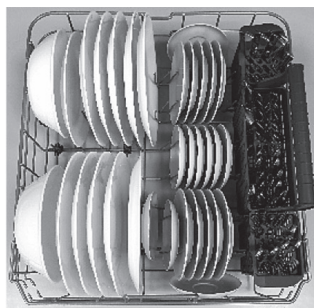
The bottom rack is designed to accommodate plates, bowls, saucers, and cookware. The adjustable rack lets you load items up to 13 inches high. Large items should be placed along the edge, with the inside faces down, so they do not interfere with the middle or lower spray arms or prevent the detergent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

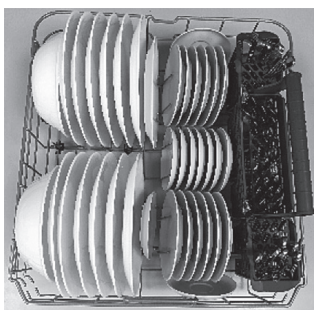
Loading suggestions are shown below:



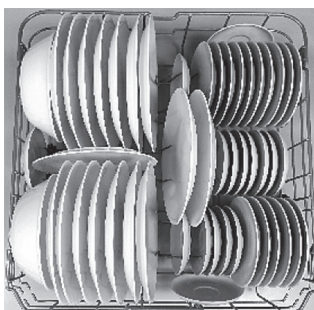
8 place settings



10 place settings



12 place settings

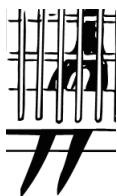
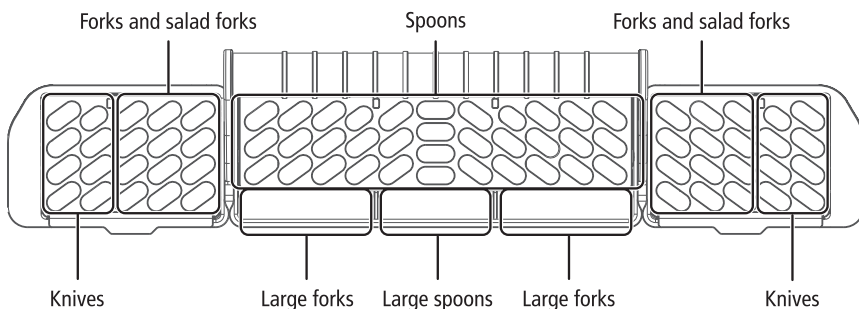


16 place settings

SET UP & USE

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.

ADDING A DISH

Caution: TO AVOID BURN INJURY: Open the door slowly and wait until the spray arms and wash action stop. Hot water may splash out of dishwasher. Failure to do so may result in injury.

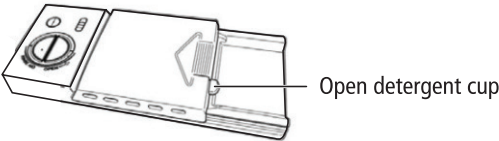
Before adding dishes, refer to "Preparing and loading dishes" for instructions on loading more dishes. Also see information on Start/cancel in the "Controls and indicators" section. To add or remove items after the wash cycle starts:

- 1 Open the door slightly and wait a few seconds until wash action stops before completely opening.
- 2 Add the item.
- 3 Press START/CANCEL on the control pad and close the door within four seconds. The cycle automatically resumes.

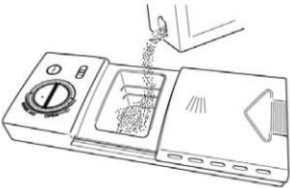
SET UP & USE

FILLING THE DETERGENT DISPENSER

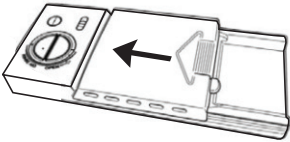
1. Push the detergent dispenser cover latch downwards to open the detergent cup.



2. Add detergent (dry powder, liquid, or packets) 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.

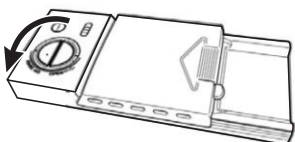
Cycle	Soft Water (0-3 grains)	Medium Hard Water (4-8 grains)	Hard Water (9-12 grains)	Very Hard Water (over 12 grains)
Normal	2 tsp.	5 tsp.	8 tsp.	Main wash cup
Heavy	(main wash	(main wash cup fill to	(main wash cup	completely full
Delicate	cup 1/4 full)	line above regular)	completely full)	(water softener
Auto				recommended)
Express				
Rinse	No detergent	No detergent	No detergent	No detergent

SET UP & USE

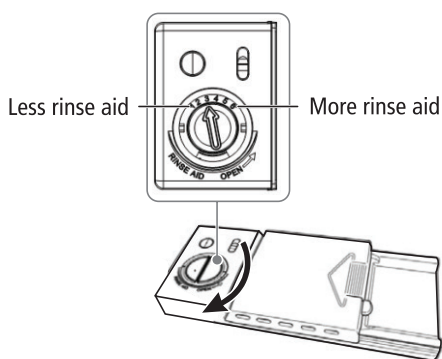
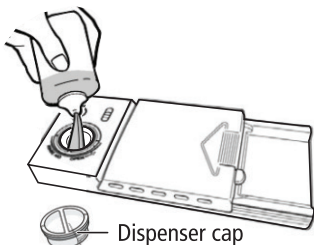
FILLING THE RINSE AID DISPENSER

Your dishwasher is designed to use a liquid rinse aid. The use of rinse aid greatly improves drying performance after the final rinse. Do not use a solid or bar-type rinse aid. Under normal conditions, the rinse aid will last approximately one month. Try to keep the dispenser full, but do not over fill it.

1. Turn rinse aid dispenser cap 1/4 turn counterclockwise and lift it out.



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



- 3 Replace the cap and turn it 1/4 turn clockwise.

SET UP & USE

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 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 water temperature entering 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 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.

HEAT DRY FUNCTION

The heat dry function, when used with a rinse aid, enhances drying performance. If you do not choose the heat dry function, items in your load that will not be completely dry at the end of the cycle.

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.

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

CLEANING & CARE

CLEANING THE STAINLESS STEEL PANEL

Cleaning the stainless steel panel 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.

CLEANING THE CONTROL PANEL

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

CLEANING THE STAINLESS STEEL INNER DOOR AND TUB

The tub is made of stainless steel. It will not rust or corrode, even if the dishwasher should be scratched or dented.

Clean the spots on the steel inner door and tub with a damp non-abrasive cloth.

CLEANING THE FILTERS

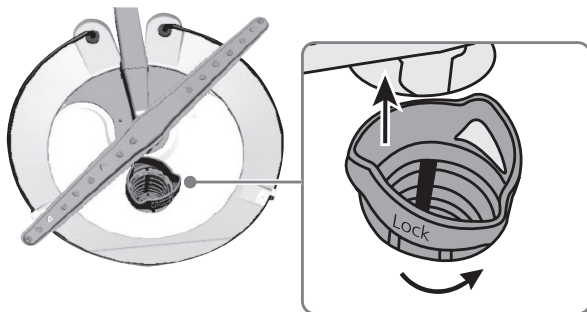
The filters are designed to collect debris and need to be cleaned monthly to maximize wash performance.

1. Remove the bottom rack.

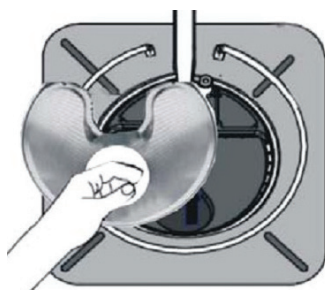


CLEANING & CARE

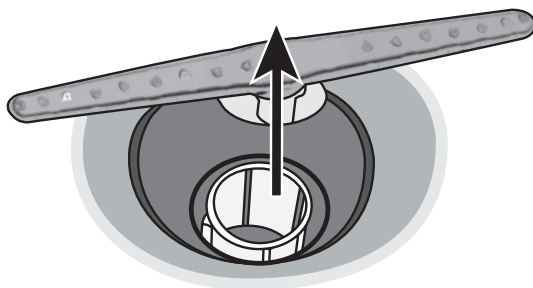
2. Rotate the cylinder filter, then lift it out.



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

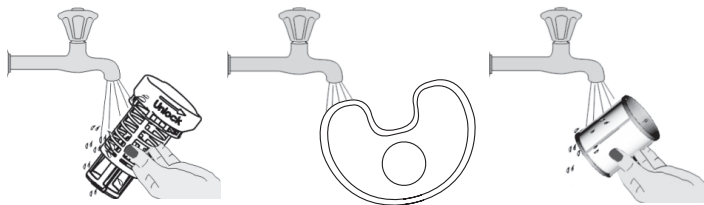


4. Take out the fabric filter.



CLEANING & CARE

5. Flush the filters by holding them under running water.



6. Replace the fabric filter.

7. Replace the fine filter.

8. Replace the cylinder filter.

9. Replace the bottom rack.

CLEANING THE DOOR AND TUB GASKETS

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



CLEANING & CARE

- 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 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. 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 toothpick.

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 circuit breaker.
2. Turn off the water supply.

CLEANING & CARE

3. Place a pan under the inlet valve, then disconnect water line from the inlet valve and drain it into a pan.
4. Disconnect drain line from 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 & WARRANTY

Troubleshoot your problem by using the chart below. If the appliance still does not work properly, contact W Appliance Co. customer service center or the nearest authorized service center. Customers must never troubleshoot internal components.

ERROR CODES

CODES	MEANINGS	POSSIBLE CAUSE
E1	Longer inlet time	<ul style="list-style-type: none">• Faucet is not opened• Water intake is restricted• Water pressure is too low• The drain hose was plugged
E4	Overflow	A leak in the dishwasher
Ed	The display board can't receive or the main board can't send a signal for over 20 seconds	Contact Customer Service

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 overflow or small leak, the water should be removed before restarting the dishwasher.

TROUBLESHOOTING & WARRANTY

TROUBLE	POSSIBLE CAUSE	POSSIBLE REMEDY
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. Refer to the "Child lock" section under "Functions"
The dishwasher beeps at the end of the cycle	This is normal and indicates that the wash cycle is complete.	
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, the wash times will be longer.
	Depends on the option selected.	Some options will add time to the cycle.
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.

TROUBLESHOOTING & WARRANTY

TROUBLE	POSSIBLE CAUSE	POSSIBLE REMEDY
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.
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 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.
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.	Make sure to use only automatic dishwasher detergent.
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).
The interior of the tub is stained	Coffee or tea stains.	Use a spot cleaner to remove the stains.
	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, 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.

TROUBLESHOOTING & WARRANTY

SPECIFICATIONS	
Capacity:	Max 16 Place Settings
Dimensions (WxDxH):	Bar handle unit -23.9" x 26.5" x 33.7" (606 x 674 x 857 mm) Recess handle unit - 23.9" x 24.5" x 33.7" (606 x 623 x 857 mm)
Weight:	Bar handle unit - 91.5 lbs. (41.5 kg) Recess handle unit, 89.5 lbs. (40.6 kg)
Power Supply:	120 volts, 60 Hz
Current:	8.4 A
Water Pressure:	Between 20 and 120 psi

LIMITED WARRANTY

ACTIVATE WARRANTY

Any repair, replacement, or warranty service, and all questions about this product should be directed to W Appliance Co. at 844-299-0879 from the US, including Puerto Rico, or Canada.

Some issues can be addressed without service. Before contacting regarding your warranty, please visit the "Troubleshooting" section of your user manual.

All warranty service is provided exclusively by our authorized W Appliance Co. service providers. For service in US, including Puerto Rico, and Canada call 1-844-299-0879 to create a ticket. When calling, please have the following information available: date of purchase, model number, proof of purchase and a brief description of the problem.



WHAT IS COVERED

YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. 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:

ONE (1) YEAR FROM THE DATE OF DELIVERY OF THE ORIGINAL PURCHASE (PARTS AND LABOR INCLUDED):

W Appliance Co. will pay for factory-specified replacement parts and labor to correct defects in materials or workmanship that existed when this major appliance was purchased, or at its sole discretion, replace the product with a new, or remanufactured, unit equivalent to your original purchase. In the event of product replacement, your appliance will be warranted for the remaining term of the original unit's warranty period.

YEARS TWO (2) THROUGH FIVE (5) FROM DATE OF DELIVERY OF THE ORIGINAL PURCHASE (CERTAIN COMPONENT PARTS ONLY - LABOR NOT INCLUDED): W Appliance Co. will pay for factory-specified replacement parts for the component parts listed below to correct non-cosmetic defects in materials or workmanship in these parts that prevent function of this major appliance and that existed when this major appliance was purchased:

DISHWASHER	WASHING MACHINE	DRYER	REFRIGERATORS AND FREEZERS	MICROWAVE
Lower, Upper and Third Level (where applicable) Wire Racks (excludes cup shelves, silverware basket, and third rack trays), Chopper Blade, Stainless Steel Tub and Inner Door Liner	Drive Motor (Stator and Rotor Only)	Drive Motor Only	Compressor Only	Magnetron Tube Only

LIMITED WARRANTY

WHAT IS NOT COVERED / EXCLUSIONS

1. Commercial, non-residential or multiple family use or use inconsistent with the product instructions and manuals.
2. In-home instruction on how to use your product.
3. Repair to correct improper maintenance, installation not in accordance with installation instructions or electrical or plumbing codes, or repair of household electrical or plumbing systems.
4. Consumable parts (e.g., light bulbs, batteries, air or water filters, preservation solutions, etc.).
5. Defects or damage resulting from accident, misuse, abuse, alteration, fire, floods, acts of God or improper installation.
6. Damages, defects, or repairs caused by unauthorized servicers or use of non-genuine or third-party parts.
7. Any damage to the finish of appliance or home incurred during installation, including but not limited to floors, cabinets, walls, etc.
8. Cosmetic damage (e.g., scratches, dents, chips, and other damage to appliance finishes), unless such damage results from defects in materials and workmanship and is reported to W Appliance Co., within 48 hours from date of delivery.
9. If the appearance or exterior of the product has been damaged or defaced, altered or modified in design or construction.
10. Discoloration, rust or oxidation of surfaces resulting from caustic or corrosive environments (e.g., high salt concentrations, high moisture or humidity or exposure to chemicals).
11. Product pick-up or delivery. This warranty is for in-home repair only.
12. Travel or transportation expenses for service in remote locations where an authorized servicer is not available.
13. Products not accessible to provide required service or for expenses making the product accessible for servicing.
14. Surcharges including but not limited to, any after hour, weekend, or holiday service calls, tolls, ferry trip charges, or mileage expenses for service calls to remote areas, including the state of Alaska.
15. Repair, removal or reinstallation of inaccessible appliances or built-in fixtures (e.g., trim, decorative panels, flooring, cabinetry, islands, countertops, drywall) that interfere with servicing, removal or replacement of the product.
16. Appliances with original, factory installed model/serial numbers removed, altered or not easily determined.
17. Incidental or consequential damages (e.g., loss of food or medicine) resulting from appliance breakdown or delay in service, repair or replacement.
18. Transportation and shipping costs associated with the replacement of the unit.
19. Glass parts and other accessory items included with the unit.
20. Products that have been purchased as refurbished, like new, second-hand, under "as is" or "final sale" terms.
21. Units that have been transferred from the original owner/purchaser.
22. If there is damage due to power line surge, user damage to the AC power cord or connection to improper voltage source.
23. Products which are not defective or broken, or which are working as described in the owner's manual.

DISCLAIMER OF IMPLIED WARRANTIES

Repair or replacement as provided under this warranty is the exclusive remedy to the customer. W. Appliance Co. shall not be liable for any incidental or consequential damages for breach of any express or implied warranty on this product, except to the extent prohibited by applicable law. Any implied warranties, including any implied warranty of merchantability or implied warranty of fitness for a particular purpose, are limited to the duration of this warranty or the shortest period allowed by law. Some states do not allow the exclusion or limitations of consequential damages, or limitations on how long the warranty lasts. In these cases, the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

W. Appliance Co. does not warrant that the appliance will work properly in all environmental conditions and makes no warranty and representation, either implied or expressed, with respect to the quality, performance, merchantability, or fitness for a particular purpose other than the purpose identified within this user's manual. W Appliance Co. has made every effort to ensure that this user's manual is accurate and disclaims liability for any inaccuracies or omissions that may have occurred. Information in this user's manual is subject to change without notice and does not represent a commitment on the part of W Appliance Co. W Appliance Co. reserves the right to make improvements to this user's manual and/or to the product described at any time without notice. If you find information in this manual that is incorrect, misleading or incomplete, please call 844-299-0879.

W Appliance Co.
New York, NY 10018

EXTENDED WARRANTY COVERAGE

Protect Your Appliance with Extended Warranty Coverage

Thank you for purchasing your new appliance! Your product comes with our one-year limited warranty, but why stop there? With our Extended Warranty and Accidental Damage Protection Plan, provided by Mulberry, you can ensure your appliances are covered for longer—without worrying about unexpected breakdowns or accidents.

Why Upgrade to the Extended Warranty Plan?

- **Comprehensive Protection** – Extend your warranty coverage and get full protection for accidental damage and mechanical/electrical failures, giving you peace of mind well beyond the first year.
- **No Hidden Costs** – You won't pay any deductibles or service fees for repairs or replacements. We've got you covered!
- **Avoid Expensive Repairs** – Appliances like refrigerators, air conditioners, and dishwashers can be costly to repair. Keep your products running smoothly without the worry of unexpected repair bills.
- **Quick & Easy Claims** – Mulberry offers hassle-free claims and quick, reliable service when you need it most—no complicated paperwork, just fast and efficient help.



Coverage	Basic Warranty	Protection +
Mechanical / Electrical Failure Coverage	Yes (1 year)	Yes (2 - 4 years)
Service Fee or Deductible	Yes (may apply)	No
Parts & Labor Costs Covered	Yes (limited to 1 year)	Yes (2 - 4 years)
Hassle-Free Claims Process	Standard	Priority (faster service)
Repair / Replacement Options	Yes (limited to 1 year)	Yes (2 - 4 years)
Convenience & Peace of Mind	Limited to 1 year	Guaranteed for up to 4 years

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Product in this box may differ slightly from that pictured. Does not affect function. Not all accessories shown in photography are included in this package.

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