Scan to see the online manual.

OWNER'S MANUAL

DISHWASHER

Read this owner's manual thoroughly before operating the appliance and keep it handy for reference at all times.

ENGLISH

LDWBC22BT

COV32054408
Rev.01_091726

www.lg.com

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IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

Safety Messages

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 follow all safety messages.

This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

These words mean:

WARNING

You may be killed or seriously injured if you do not follow instructions.

CAUTION

You may be injured or cause damage to the product if you do not 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 may happen if the instructions are not followed.

WARNING STATEMENTS

WARNING

- To reduce the risk of explosion, fire, death, electric shock, scalding or injury to persons when using this product, follow basic precautions, including the following:

Installation

- Connect to a properly rated, protected, and sized power circuit to avoid electrical overload.
- To reduce the risk of severe injury or death, follow all installation instructions.
- The appliance must be installed and electrically grounded by qualified service personnel in accordance with local codes.
- Disconnect the power supply line, house fuse or circuit breaker before installing or servicing the appliance.
- When moving or installing the product in a different location, call qualified service personnel for installation and service.
- Keep packing materials out of the reach of children. Packaging material can be dangerous for children. There is a risk of suffocation.
- Moving or installation of the appliance requires two or more people.
- This appliance is not designed for maritime use or for mobile installations such as in RVs, trailers, or aircraft.
- Store and install the appliance where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions.
- This appliance must be positioned near to an electrical power supply.
- Do not, under any circumstances, cut or remove the ground from the power supply line.

- When installing or moving the appliance, be careful not to pinch, crush, or damage the power supply line.
- Do not install the appliance in humid spaces.
- Destroy the carton, plastic bag, and other packing materials after the appliance is unpacked. Children might use them for play. Cartons covered with rugs, bedspreads, or plastic sheets can become airtight chambers.
- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged power supply line.
- Adhere to all industry recommended safety procedures including the use of long-sleeved gloves and safety glasses.
- The installer must ensure that the dishwasher is completely enclosed at the time of installation.
- Use new hoses when connecting the appliance to the water supply. Do not reuse old hoses.
- After installing, check the hose connection for leaks.
- Do not damage or place heavy items on the power supply line of the appliance.

Operation

- Repair or immediately replace all power supply lines that have become frayed or otherwise damaged. Do not use a power supply line that shows cracks or abrasion damage along its length or at either end.
- If you detect a strange sound, a chemical or burning smell, or smoke coming from the appliance, unplug it immediately, and contact an LG Electronics customer information center.
- Never unplug the appliance by pulling on the power supply line.
- Do not use an extension cable or adapter with this appliance.
- Do not grasp the power supply line or touch the appliance controls with wet hands.
- Do not modify or extend the power cable.
- If the product has been submerged, contact an LG Electronics customer information center for instructions before resuming use.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Keep the area underneath and around your appliances free of combustible materials (lint, paper, rags, etc.), gasoline, chemicals and other flammable vapors and liquids.
- 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 the use of the appliance by a person responsible for their safety.
- If the electrical supply line is damaged, it must only be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.
- Do not abuse, sit on, or stand on the door of the appliance.
- Read all instructions before using the appliance and save these instructions.
- Use this appliance only for its intended purpose.
- Do not allow children to play on, in or with the appliance. Close supervision of children is necessary when the appliance is used near children.
- Do not tamper with controls.
- In the event of a gas leak (propane gas, LP gas, etc.) do not operate this or any other appliance. Open a window or door to ventilate the area immediately.
- 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 appliance 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.

- Fix the drain hose securely in place.
- Use only detergents or wetting agents recommended for use in a dishwasher and keep them out of the reach of children.
- Do not let children eat detergent or dishwasher rinse agent.
- When loading items to be washed:
  - Locate sharp items so that they are not likely to damage the door seal.
  - Load sharp knives with the handles up to reduce the risk of cuts or other 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 your dishwasher unless all ENCLOSURE panels are properly in place.
- Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.
- Do not install or store the dishwasher where it will be exposed to weather conditions.
- After cleaning the dishes, turn off the water supply. Before cleaning, turn the water supply back on and check the connections.
- Do not open the appliance door while it is operating.
- Be careful not to catch your hand when closing the door of the product.
- Do not plug the dishwasher into a damaged outlet.
- Do not install or keep the dishwasher near electrical components or exposed flames.
- Do not wash dishes exposed to gasoline, solvents or other flammable materials.
- When cleaning, do not spray water on the product directly.
- Do not press buttons with a sharp object such as an awl or pin.
- Do not use solvent-based detergent.
- Do not come into contact with the steam outlet.
- Small parts, such as rack clips and filter retaining posts can be a choke hazard to small children if removed from the dishwasher. Keep out of reach of small children.
- Do not touch the inside of the product or the door-opening mechanism while this function is in operation.

Maintenance

- Do not repair or replace any part of the appliance. All repairs and servicing must be performed by qualified service personnel unless specifically recommended in this Owner’s Manual. Use only authorized factory parts.
- Do not disassemble or repair the appliance by yourself.
- Remove any dust or foreign matter from the power supply line.
- Disconnect this appliance from the power supply before cleaning and attempting any user maintenance. Turning the controls to the OFF position does not disconnect this appliance from the power supply.
- Remove the door before the appliance is removed from service or discarded to avoid the danger of children or small animals getting trapped inside.
- Unplug the appliance before cleaning to avoid the risk of electric shock.
- Before discarding the appliance, cut off the power supply line and destroy the appliance's control panel.

Grounding Instructions

- For a permanently connected dishwasher: This appliance 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 to the appliance.

- Connect the ground wire to the green ground connector in the terminal box.
- For a cord connected dishwasher: 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.
- 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.

Tip Over Hazard

- Do not use the dishwasher until completely installed.
- Do not push down on the open dishwasher door.
- Failure to follow these instructions may result in serious injury or cuts.

CAUTION STATEMENTS

⚠ CAUTION

- To reduce the risk of minor or moderate injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

Installation

- Install the product on a firm and level floor.
- This dishwasher must be connected to a hot water supply with a temperature range between 120 °F (49 °C) and 149 °F (65 °C). This temperature range provides the best washing results and shortest cycle time. The temperature should not exceed 149°F (65 °C) to prevent damage to dishes.
- Do not put the drain hose under the dishwasher during installation.
- Do not turn the dishwasher upside down. Doing so can damage the product.
- Follow these instructions

  a) The power-supply receptacle for the appliance must be installed in a cabinet or on a wall adjacent to the undercounter space in which the appliance is to be installed;

  b) There must be an opening through the partition between the compartments specified in (a) that is large enough for the attachment plug to pass through. The longest dimension of the opening must not be more than 1 1/2” (38.1 mm);

  c) The edges of the opening specified in (b) must, if the partition is wood, be smooth and rounded, or, if the partition is metal, be covered with an edge protector; and

  d) Care must be exercised, when the appliance is installed or removed, to reduce the likelihood of damage to the power-supply cord.
- If the power supply cord, water supply hose, or drain hose is passed through an opening in a metal cabinet, the edges of the opening must be covered by an edge protector to avoid risk of electric shock, leaking, or fire. 1 1/2" (38.1 mm) plastic or rubber wire grommets can be purchased online or at a local hardware store for this purpose. For further details, call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A.) or 1-888-542-2623 (Canada).

Operation

- Do not place objects on top of the appliance.
- Turn off the water faucets and unplug the appliance if the appliance is to be left for an extended period of time, such as during vacations.
- Do not store or spill liquid detergents, cleaners, or bleaches (chlorine bleach, oxygen bleach) on the appliance. Doing so may result in corrosion, discoloration or damage to the surface of the appliance.
- Do not touch draining water which may be hot.
- If the drain hose and the water supply hose are frozen in winter, defrost before using the appliance.
- Do not put hands, feet, or metal objects below or behind the appliance.
- Do not put the drain hose under the dishwasher during installation.

Maintenance

- If cooking oil is spilled on the exterior of the product, wipe it off immediately. Do not clean the exterior of the product with cleaners which contain alcohol, thinners, bleach, benzene, flammable liquids, or abrasives. These substances may discolor or damage the appliance.
- Aromatic hydrocarbons such as benzene can damage the surface of the product. These compounds are found in many common household products such as detergents, paints, cosmetics, air fresheners, disinfectants, and even some foods such as oils, spices, and smoked meat or fish. Regularly wipe down the control panel and other outside surfaces of the product with a clean, damp cloth to help prevent damage.

SAVE THESE INSTRUCTIONS

PRODUCT OVERVIEW

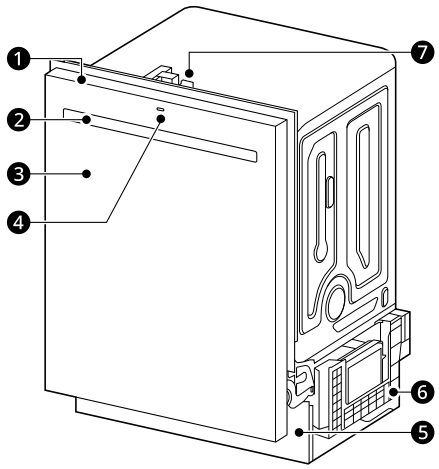
Product Features

The images in this guide may be different from the actual components and accessories, which are subject to change by the manufacturer without prior notice for product improvement purposes.

NOTE

- For your safety and for extended product life, use only authorized components. The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased unauthorized components or parts.
- Do not remove the safety cover at any time.
- To ensure reliability, each LG dishwasher goes through thorough quality control before it leaves the factory.
- You may find water droplets or water spots from this process inside your new dishwasher.

Front View



1. Control Panel
2. Door Handle
3. Front Cover
4. Status Indicator Light
5. Lower Cover
6. Base
7. Auto Open Dry

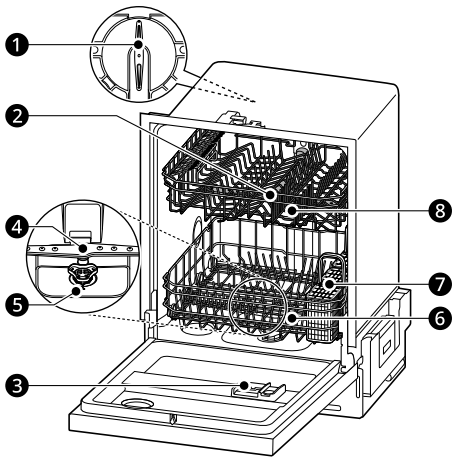
Status Indicator Light

The Status indicator light at the door of the dishwasher shows the status of the appliance: whether it has encountered any problems, whether it is operating normally, or whether it is ready to wash dishes.

White LED

- Remains on when the cycle is running.
- Turns off when the door is opened.

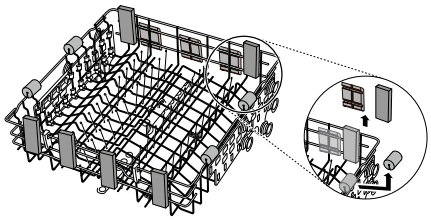
Interior View



1. Top Spray Arm
2. Upper Spray Arm
3. Detergent and Rinse Aid Dispenser
4. Bottom Spray Arm
5. Filtration System
6. Lower Rack
7. Silverware Basket
8. Upper Rack

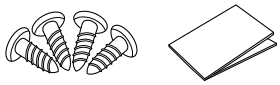
NOTE

- Remove all packing materials from the exterior and interior of the dishwasher before installing the appliance.



- Press the tab to remove the cable tie by hand. Cutting the tie with a knife or scissors may damage the rack or the silverware basket.

Accessories



❶ ❷

❶ Mounting Screws(Ø 3.5 X 35): 4 EA

❷ Moisture Barrier Tape: 1 EA

NOTE

- Mounting screws and moisture barrier tape are included in the manual assembly bag.

Product Specifications

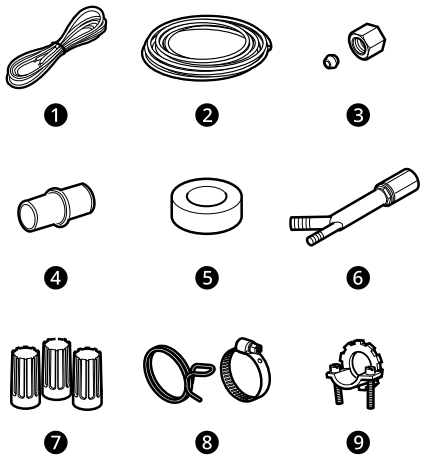
The appearance and specifications listed in this manual may vary due to constant product improvements.

Model	LDWBC22BT
Electrical Requirements	120 V, 60 Hz AC only
Water Pressure	2.9 psi – 145 psi (20 kPa - 1000 kPa)
Dimensions (Width X Height X Depth)	23 7/16" × 33 11/16" × 22 11/16" (595 mm X 855 mm X 576 mm)
Inlet Water Temperature	120 ℉ - 149 ℉ (49 ℃ - 65 ℃)
Net Weight	70.5 lb (32 kg)

INSTALLATION

Before Installing

Parts not Provided



❶ Electrical Cable
- 16 AWG, with 2 conductors and 1 ground

❷ Water Supply Tube
- Minimum 3/8″ O.D. copper tubing or stainless steel braided water supply line

❸ Fittings for Tube

❹ Coupler

❺ Electrical Tape

❻ Air Gap

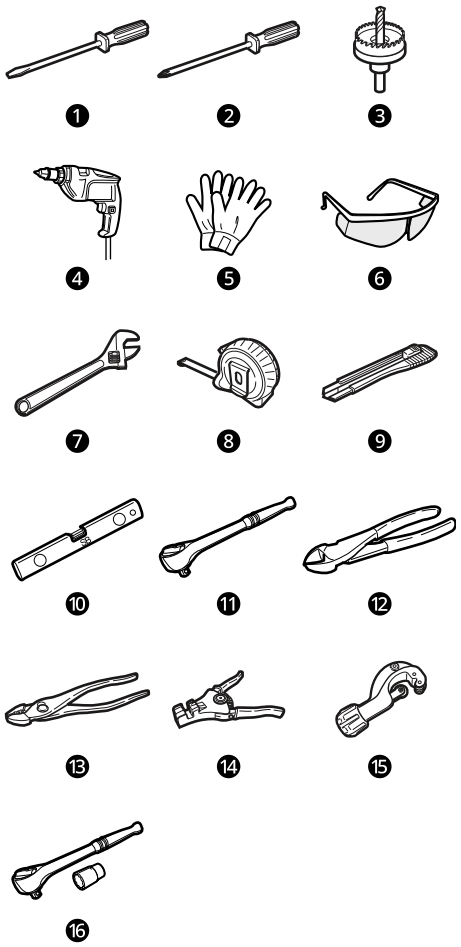
❼ Wire Nuts for 16-Gauge Wiring

❽ Hose Clamp

❾ 3/8″ UL Approved Strain Relief

NOTE
- Power cord installation kit is available on LG.com, part number AEM75698901 (Model name : D-PC1)
- Inlet hose installation kit is available on LG.com, part number AEM75698902.
- Drain extension hose installation kit is available on LG.com, part number AEM75698903.

Tools Needed



❶ Flat-Blade Screwdriver

❷ Phillips Screwdriver

❸ Hole Saw min. 2 1/2” bit

❹ Electric Drill

❺ Gloves

❻ Safety Glasses

❼ Adjustable Wrench

❽ Tape Measure

❾ Utility Knife

❿ Level

⓫ 1/4” Square Drive Wrench

⓬ Nipper

⓭ Pliers

⓮ Wire Stripper

⓯ Tubing Cutter

⓰ 3/8” Square Drive Wrench + 1/2” Socket

Installation Overview

Please read the following installation instructions first after purchasing this dishwasher or transporting it to another location.

❶ Preparing Cabinet Opening

❷ Preparing Water and Electrical Connections

❸ Preparing Dishwasher

❹ Sliding Dishwasher into Cabinet Opening

❺ Connecting Water Supply Line and Power

❻ Connecting the Drain Hose

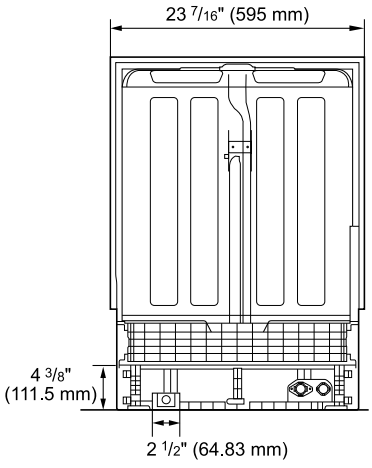
❼ Leveling Dishwasher

❽ Securing Dishwasher in Cabinet Opening

❾ Final Installation Check

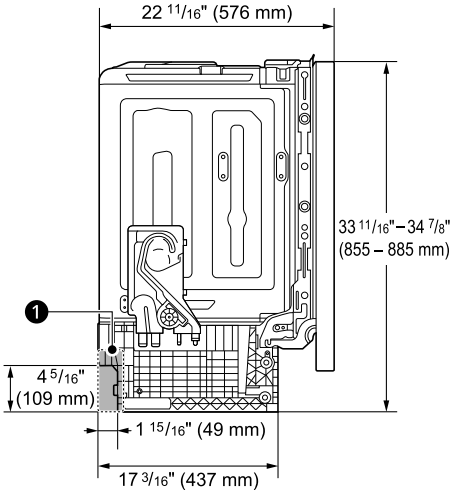
Product Dimensions

Back View



Side View

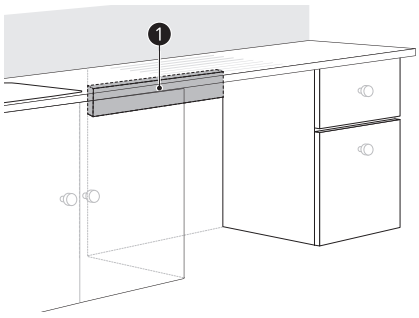
For easiest installation, see marked areas ❶ for water and electrical clearances in base of dishwasher. Water supply hose, drain hose and electric cable should be passed through this area.



Preparing Cabinet Opening

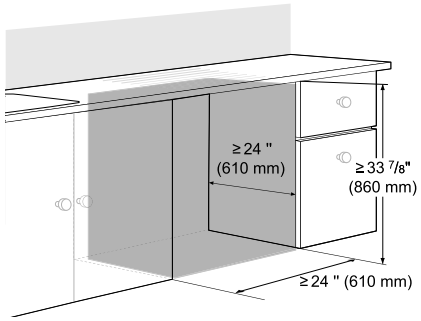
This dishwasher is designed to fit a standard dishwasher opening. An opening may be needed on both sides to route plumbing and electrical connections.

- To ensure proper drainage, install the dishwasher no more than 12 ft. (3.65 m) from the sink.
- The location must have sufficient space for the dishwasher door to open easily and provide at least 0.1” (2 mm) between the dishwasher and the cabinet sides.
- If installing the dishwasher in a corner, leave a minimum of 2” (50 mm) between the dishwasher and the adjacent wall.
- The adjacent wall must be free of obstructions.
- For flush installations only, you may remove the cabinet brace ❶ inside the cabinet.

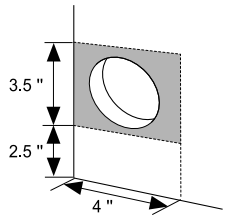


Choosing the Proper Location

1 Select a location as close to the sink as possible for easy connections to water supply line, drain hose and electrical connection.

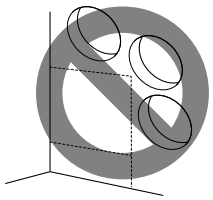


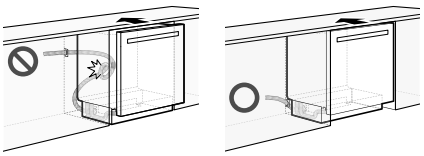
2 To allow for proper clearance of plumbing and electrical, use the template included with the literature to determine the clearance on the side of the cabinet where the cabinet meets the back wall. Using a 2 1/2" diameter hole saw, drill a hole in the target area as shown.



⚠ WARNING

- The opening must be at least 2 1/2" (63.5 mm) in diameter to prevent damage to the cables and hoses during installation.
- Installation damage is not covered by the warranty, and leaks caused by improper installation may result in property damage.
- Do not use existing holes unless they are in the target area.
- Failure to properly locate the hole for the water and drain lines may prevent the dishwasher from installing flush with the cabinets and could result in kinked, pinched, crushed, stressed or damaged lines.

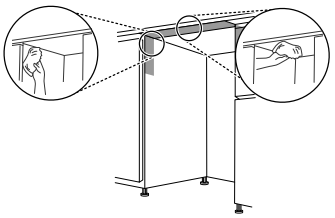




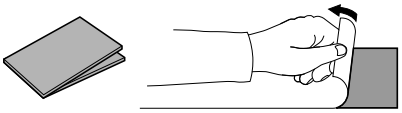
Installing Moisture Barrier Tape

Install the moisture barrier tape to the underside of the countertop to protect the surface from condensation when the appliance is opened.

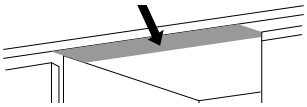
1 Clean and dry the area on the underside of the countertop and the sides of the cabinet opening where the tape will be applied.



2 Remove the protective film from the tape.



3 Install the tape on the underside of the countertop.



NOTE

- Moisture barrier tape is included in the manual assembly bag.
- Condensation may occur on the underside or along the front edge of the countertop when the room temperature is low.

Preparing Water and Electrical Connections

⚠ WARNING

- Water Connection
  - Do not reuse an old hose. Use only a new hose when installing the dishwasher. The old hose could leak or burst causing flooding and property damage. Contact an LG Customer Information Center for assistance in buying a new hose.
- Electrical Connection
  - Use a time-delay fuse or circuit breaker.
  - Operate this appliance with the correct voltage as shown in this manual and on the rating plate.
  - The wiring must be grounded properly. If in doubt, have it checked by a qualified electrician.
  - Connect the appliance using 3-wires, including a ground wire.
  - The appliance and outlet must be positioned so that the plug is easily accessible.
  - Do not use an extension cable or adapter with this dishwasher.
  - Do not overload the outlet with more than one appliance.
  - The 16AWG wire nuts should be used.
  - It is the personal responsibility and obligation of the product owner to have a proper outlet installed by a qualified electrician.

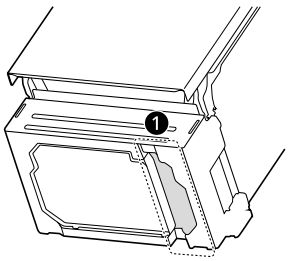
⚠ CAUTION

- When connecting the dishwasher water supply line to the house water supply, sealing tape or compound should be used on pipe threads to avoid leaks. Tape or compound should not be used on compression fittings.
- Connect the dishwasher to a hot water supply with a temperature range between 120 °F (49 ℃) and 149 °F (65 ℃). This temperature range provides the best washing results and shortest cycle time. To prevent damage to dishes, the temperature should not exceed 149 °F (65 ℃).
- Water supply pressure must be between 2.9 psi and 145 psi (20–1000 kPa). If the water supply pressure exceeds 145 psi, a pressure reducing valve must be installed. Otherwise premature failure of the inlet valve may occur.

Routing Electrical Wiring

There is 1 channel in the bottom of the dishwasher for routing the electrical connection.

- As shown in the bottom view below, channel ❶ is for the electrical cable.

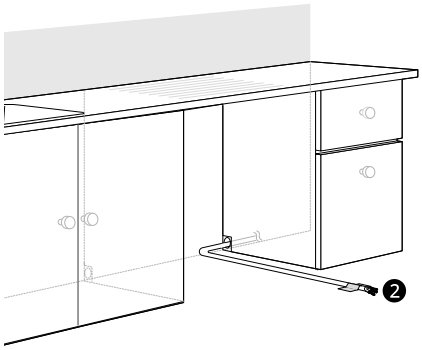


1 Turn off the house water supply and the circuit breaker or dedicated power before connecting the dishwasher.

2 Run the water supply line along the floor 6 1/2" – 7 3/4" (165 mm – 197 mm) from the left side of the opening and tape it in place in front of the opening.

3 Run the electrical cable ❷ along the floor 14" – 16" (356 mm – 406 mm) from the water supply line.

- The electrical outlet must be within 4 ft. (1.22 m) of either side of the dishwasher.
- The best location for the electrical conduit is on the right side of the back wall. Re-route the electrical cable before installation if the electrical conduit pipe is longer than 3" (76 mm) and is centered on the back wall.



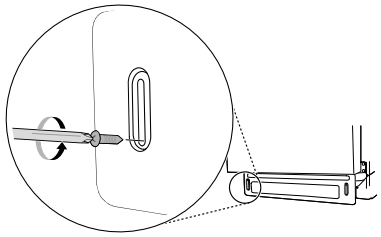
Preparing Dishwasher

Removing Lower Cover

⚠ CAUTION

- If you lay the dishwasher on its back, do so carefully to avoid damaging the drain hose and the tub.

1 Remove the screws at either side which attach the lower cover to the dishwasher.



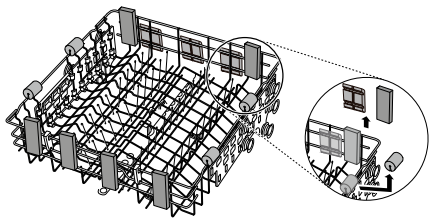
2 Remove the lower cover.

3 If there is insulation padding behind the lower cover, remove it.

4 Set the parts aside until the installation is complete.

Removing Packing Materials from the Interior

Remove all packing materials from the interior of the dishwasher before installing the appliance.

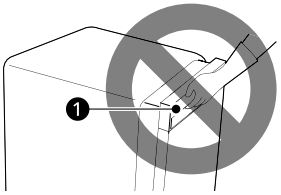


Sliding Dishwasher into Cabinet Opening

How to Slide Dishwasher

⚠ CAUTION

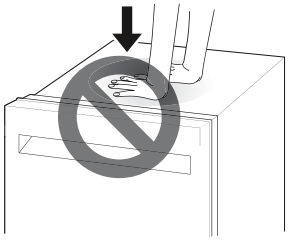
- Do not pull or lift the dishwasher using the handle ❶. Doing so can damage the door and hinges.



- Do not push the door of the dishwasher with knees when sliding the dishwasher into position. Doing so can damage the front cover.

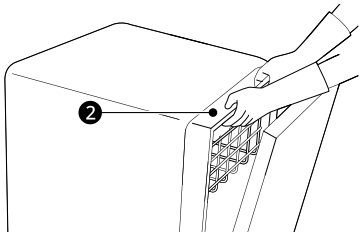


- Do not push the top of the dishwasher. Doing so can damage the interior of the dishwasher.

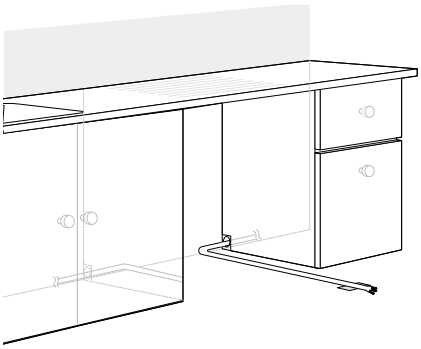


NOTE

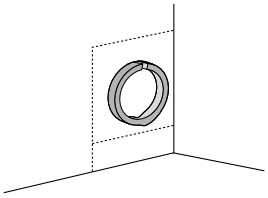
- Open the door and grab the body frame and the top front opening ❷ of the tub to move or lift the dishwasher.



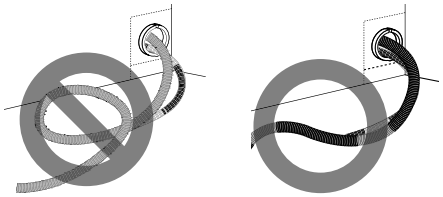
1 Align the dishwasher with the opening. Make sure the electrical cable is in the correct position to slide into own channel properly.



2 Smooth out or pad the edges of the hole drilled for the water supply to avoid damaging the drain hose.



3 Make sure the drain hose is straight before feeding the end of it through the hole for the water supply. As you slide the dishwasher into the opening, you will want to slowly pull on the drain hose from inside the cabinet to take up some slack. Be careful not to kink, pinch, crush or stress the drain hose during installation to avoid leaking and water damage.

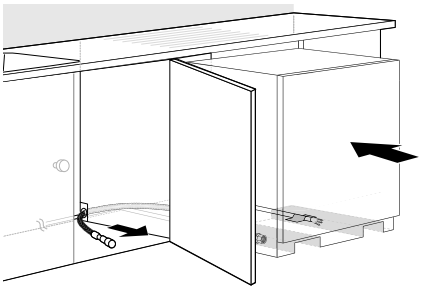


4 Gradually slide the dishwasher into the opening, making sure that the water supply line and electrical cable are passing freely through the channels and do not get caught under the dishwasher.

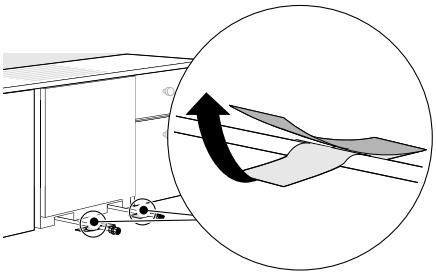
⚠ CAUTION

- To avoid malfunctions or leakage, it is important that the drain hose not get kinked, pinched, stressed or crushed behind or under the dishwasher or inside the neighboring cabinet.
- Damage resulting from improper installation is not covered under the warranty.
- Slide the dishwasher into place so the door is flush with cabinet doors or drawers. Make sure the rubber trim is not folded over behind the cabinet opening.

- As you slide the dishwasher into the opening, stop periodically (or have an assistant help) to take up the slack by pulling the drain hose farther into the cabinet.



5 Remove the tape from the water supply line and the electrical cable.



Connecting Water Supply Line and Power

⚠ CAUTION

- Do not turn the dishwasher upside down to connect the water supply line or electrical supply. Doing so can damage the product.

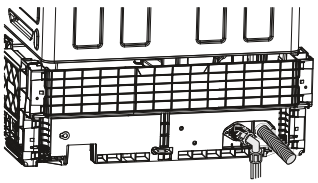
Connecting Water Supply Line

1 Attach elbow joint to the water inlet valve with the open end facing towards the direction of the sink, either to the left or the right. Turn by hand and do not over tighten.

⚠ CAUTION

- Tape or compound should not be used on dishwasher inlet valve.

2 Attach hot water line to elbow.

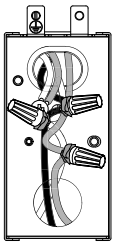


3 Use two wrenches to tighten, using one to stabilize and avoid putting stress on the water inlet valve.

Connecting Power

The dishwasher should be connected to a dedicated, properly grounded branch circuit using a 3-wire setup that includes a ground wire.

If a 3-prong power supply is used, it should be in an accessible location adjacent to the dishwasher within 4 ft. (1.22 m) of the dishwasher side and not behind the dishwasher.

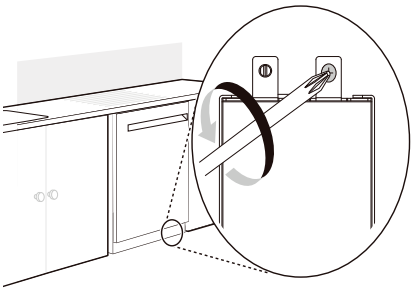


NOTE

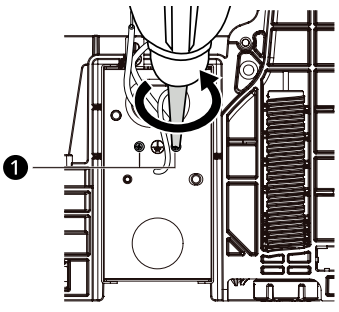
- The best location for the electrical conduit is on the right side of the back wall. Re-route the electrical cable before installation if the electrical conduit pipe is longer than 3” (76 mm) and is centered on the back wall.

1 Turn off electrical power to the unit at the circuit breaker.

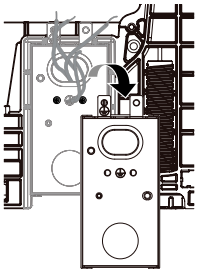
2 Use a Phillips screwdriver to remove the screw from the junction box cover and remove the cover.



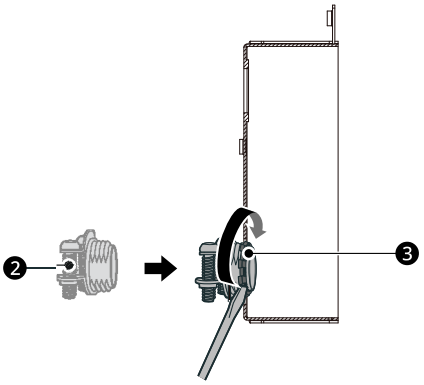
3 Use a Phillips screwdriver to remove 2 screws ❶.



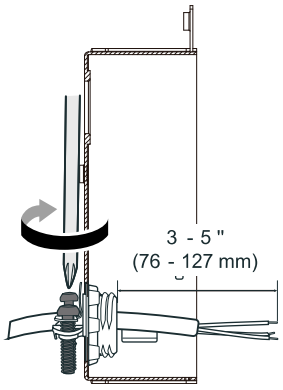
4 Remove the junction box from the appliance.



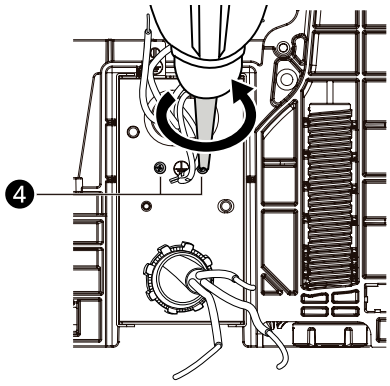
5 Insert a 7/8” strain relief ❷ through the hole in the junction box. Tighten the ring nut ❸ to secure it in place.



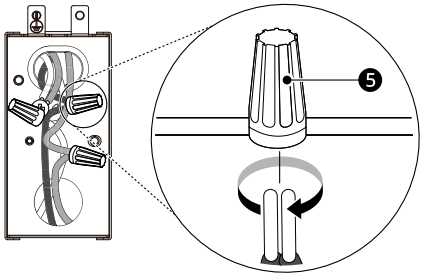
6 Insert the electrical cable through the hole in the strain relief. Tighten 2 screws to secure the cable.



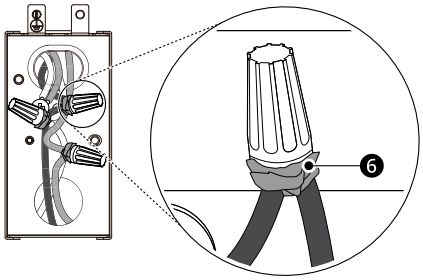
7 Pull the existing wires through the openings in the junction box. Tighten 2 screws ❹ to reassemble the junction box in the appliance.



8 Pair the white, black, and green wires to the matching colored wires from the dishwasher. Then twist on the wire nuts ❺ tightly to connect the corresponding wires.



9 Wrap electrical tape ❻ around each connection.



10 Fold the connected wires back into the junction box and screw on the junction box cover.

⚠ WARNING

- Verify that the black wire is hot (120 V). If not, or if you are unsure of the power supply, have it checked by a licensed electrician.

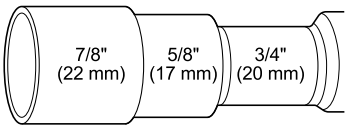
⚠ CAUTION

- Do not leave stripped wire exposed. Trim stripped wire to fit completely inside wire nuts.

Connecting the Drain Hose

If the end of the drain hose does not fit the drain line, use a heat and detergent resistant adapter (not supplied). These may be obtained from a local plumbing supply store.

- Cut the adapter to match the size of the drain connection as shown. Cutting just beyond the flare helps to keep the band clamp in place.

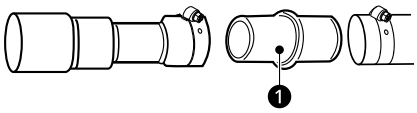


NOTE

- For drain hose installation, use the screw style hose clamp.
- If connecting the dishwasher's drain hose to the garbage disposal, be sure to follow your garbage disposal's manual for proper installation instructions.

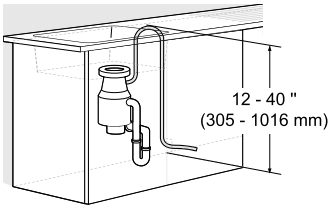
Drain Hose Requirements

- Follow local codes and ordinances.
- Do not exceed 12 ft. (3.65 m) distance to drain.
- Do not connect drain hoses from other appliances to the dishwasher's drain hose.
- If an extension drain hose is required, use a 5/8" or 7/8" inside diameter, 2 ft. – 3 ft. (0.6 m – 0.9 m). length hose and a coupler ❶ for connecting the two hose ends.



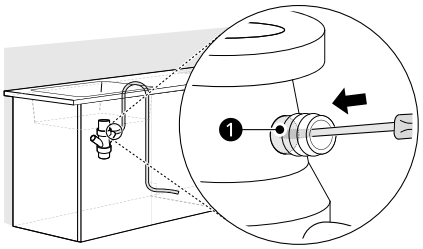
Height of the Drain Hose

The height of the drain hose end must be at least 12" (305 mm) and within 40" (1016 mm) from the base of the dishwasher to avoid water being siphoned from the tub.



Connecting to Disposal without Air Gap

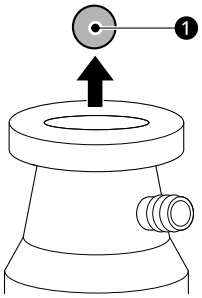
1 Remove the knockout plug on the disposal with a hammer and screwdriver.



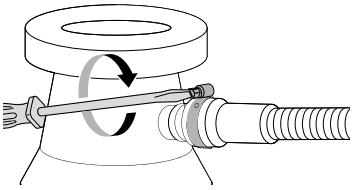
2 Remove the knockout plug ❶ from the disposal.

⚠ CAUTION

- If the knockout plug has not been removed, the dishwasher will not be able to drain properly.



3 Attach the drain hose to the disposal with the hose clamp (not provided). Move the hose clamp into position and tighten it with a flat-blade screwdriver.



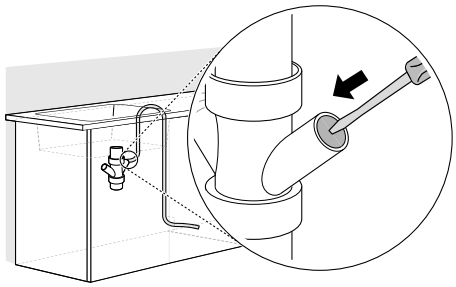
Connecting Waste Tee without Air Gap

The height of the drain hose end must be at least 12” (305 mm) and within 40” (1016 mm) from the base of the dishwasher to avoid water being siphoned from the tub.

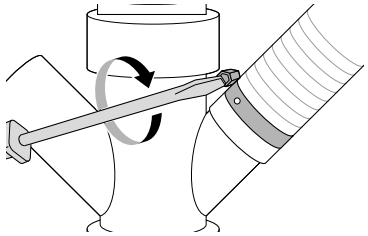
1 Remove the knockout plug with a hammer and screwdriver.

⚠ CAUTION

- If the knockout plug has not been removed, the dishwasher will not be able to drain properly.



2 Attach the drain hose to the waste tee with the hose clamp (not provided). Move the clamp into position and tighten it with a flat-blade screwdriver.

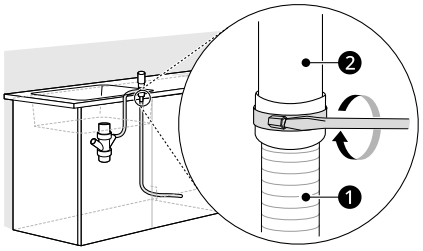


Connecting to Disposal or Waste Tee with Air Gap

1 Remove the knockout plug with a hammer and screwdriver.

2 Connect the end of the drain hose ❶ to the air gap ❷ with the hose clamp (not provided). Move the clamp into position and tighten it with a flat-blade screwdriver.

- This avoids water being siphoned from the tub.



3 If it is not connected, attach the rubber hose connector to the disposal or waste tee with a hose clamp (not provided).

Leveling Dishwasher

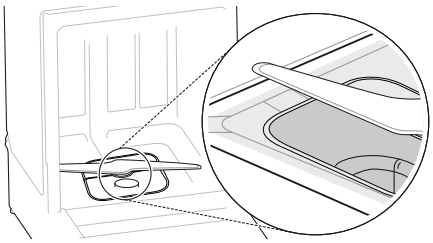
Check that the dishwasher is level and adjust the leveling feet if necessary.

⚠ CAUTION

- Failure to level the dishwasher may result in leakage, problems closing the door, or noise.
- Where the cabinet opening is narrower than recommended (see **Preparing Cabinet Opening**), the dishwasher must be carefully leveled and aligned so that the dishwasher is supported fully by the 3 leveling feet and is not hanging from the installation brackets.

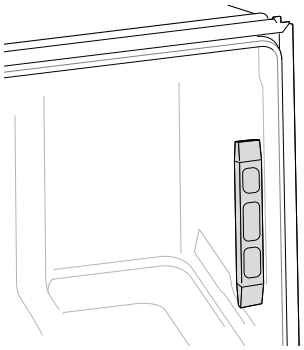
Checking Leveling

To check that the tub is level from front to back, remove the lower rack and pour 169 oz. (5 L) of water into the bottom of the tub. The water level should be near the center of both tub lower indentations at the front.

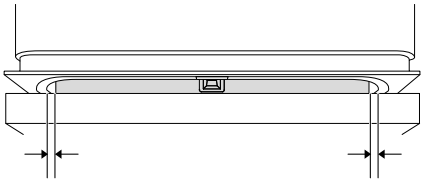


With the lower rack removed, place a level on the inside wall of the tub to check that the dishwasher is level from side to side.

- If you do not have a level, try using a smartphone level application instead.



Make sure that the gap between the tub walls and the door liner is the same on either side.



Adjusting Leveling Feet

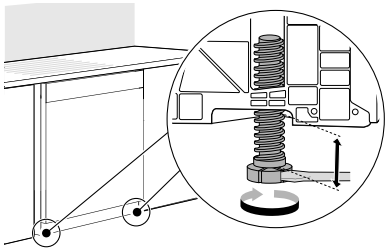
Adjust as needed until the dishwasher is completely leveled.

- Adjust the front and rear leveling feet until they are all in firm contact with the floor. Failure to level the dishwasher may prevent the door from closing properly and the dishwasher will not turn on.

Adjusting Front Leveling Feet

Use a flat-blade screwdriver to turn the front leveling feet and adjust the front of the tub.

- Turn the front leveling feet clockwise to raise the front of the tub up to 30 mm and counterclockwise to lower it down to 30 mm.

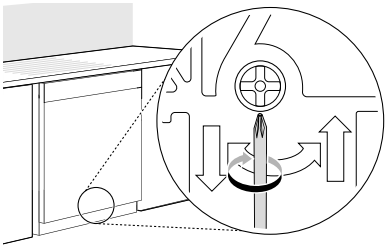


- The adjustments work identically for both front leveling feet.

Adjusting Rear Leveling Foot

Use a Phillips screwdriver to adjust the rear leveling foot and the rear of the tub using the center screw at the base of the appliance in the front.

- Turn the center screw clockwise to raise the rear of the tub and counterclockwise to lower it.



NOTE

- To avoid damaging the screw, do not use an electric screwdriver.

Securing Dishwasher in Cabinet Opening

⚠ CAUTION

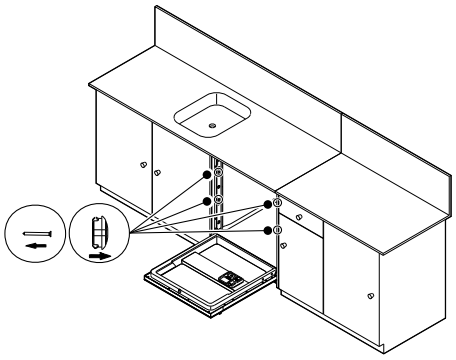
- Ensure the dishwasher is level and all leveling feet are in firm contact with the floor before attaching the dishwasher to the countertop or cabinet. If the dishwasher is not leveled properly, the door may not close properly or water may leak.

NOTE

- Use a magnetic screwdriver.
- Cover the filter hole with towels to prevent screws from falling down into the pump.

Securing to Cabinets

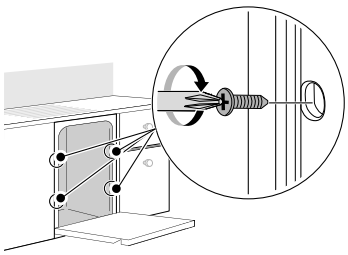
1 Remove the 4 plastic caps from the mounting bracket access holes.



2 Drive a wood screw through the mounting bracket and into the cabinet side.

⚠ CAUTION

- If the provided screws are not long enough to secure the dishwasher to the cabinet side, use screws that are long enough to secure to the cabinets.
- If you have framed cabinets, use screws that are long enough to secure the dishwasher to the cabinets or attach wood spacers (not included) to the cabinets on either side of the dishwasher.



3 Reinstall the plastic caps.

Final Installation Check

Testing the Dishwasher

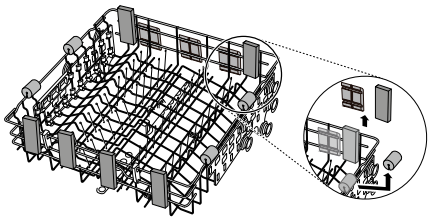
Check if the dishwasher is properly installed.

1 Turn on the circuit breaker.

2 Turn on the house water supply.

3 Make sure that the door opens and closes smoothly.

- If necessary, level the dishwasher again.
- Make sure that all packaging materials have been removed.



4 Power on the dishwasher and run any cycle to verify proper operation.

5 Check for leaks at the drain hose and water supply connection.

6 If a water leak is detected, open the door and then press and hold the **START** button for 3 seconds to cancel the wash cycle and automatically drain the water from the dishwasher. Tighten all water connections and run another cycle. Repeat until no leaks are detected.

7 Remove the protective film from the door, if present. Leaving the film on may cause discoloration or condensation on the door.

Installation Check Error Codes

Refer to the chart below before calling for service.

Error Code	Possible Cause and Solution
E01	**Water inlet fault** • Phenomenon: The machine displays the E01 fault code and flashes; The buzzer sounds a fault warning sound. Make sure the faucet is turned on. Check if the water supply pressure is greater than 2.9 psi (20 kPa). • Clear the inlet pipe, and avoid folding. Please have professional maintenance personnel repair it.

OPERATION

Before Using

⚠ WARNING

- To reduce the risk of fire, electric shock, or injury to persons, read the **SAFETY INSTRUCTIONS** before operating this appliance.

NOTE

- Connect to the hot water supply only. The water supply temperature should be a minimum of 120 °F (49 °C) for better washing performance and shorter cycle time.
- Follow the instructions for loading the dishwasher to ensure effective cleaning.
- Remove insoluble items such as bones, toothpicks, and pieces of paper while loading the dishwasher.

Quick Start

1 Load the dishes.

- Pull each rack out and load the dishes as described in this manual.
- Only load items that are dishwasher-safe.
- Scrape the dishes free of excess food, bones, and any other hard, non-soluble residue. Remove solid, burned-on scraps from dishes prior to loading in the dishwasher.
- Place items with deep dish bottoms at an angle to help water run off and speed the drying process.
- Do not load items that are not heat-resistant or have decorative metal trim.

2 Add the detergent.

- Using the guidelines in this manual, fill the detergent cup with the recommended amount of detergent and close the lid. If a prewash is desired, the recess on top of the lid should also be filled with detergent.

3 Turn on the dishwasher.

- To turn on the display panel, press the **POWER** button.

4 Check the rinse aid.

- The **Rinse Aid** LED will flash if the level of rinse aid in the dishwasher is low. Add rinse aid if the level is low to maintain the effectiveness of the dry cycle.

5 Select the cycle and options.

- Select the cycle and options that best fit the load by referring to the **Cycle Guide**. The display will show the estimated time for the cycle and options selected.

6 Operate the dishwasher.

- Press the **START** button and then close the door in less than four seconds to operate the dishwasher. If the door is not closed within four seconds, the cycle does not start.

NOTE

- If the door is opened during the cycle, the dishwasher will stop.
- If the door is opened during the cycle and is not closed within four seconds after selecting the **START** button, or if the door is closed without pressing the **START** button, an audible tone is heard, and the cycle does not start.

7 End of cycle.

- When the cycle is complete, a chime will sound and the display will show 0:00 for 30 seconds.

⚠ CAUTION

- Do not open the door during operation or immediately after it has completed the wash cycle as the escaping steam may cause scalding as the door is opened.

NOTE

- Empty the lower rack first and then the upper rack. This will avoid water dripping from the upper rack onto dishes in the lower rack.

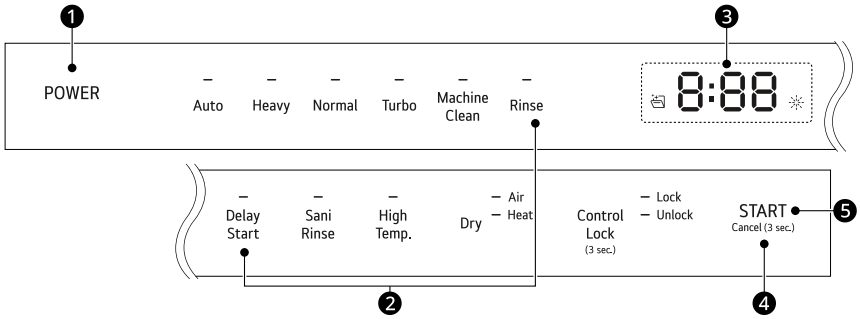
Auto-Off

The dishwasher automatically turns off after five hours of inactivity if paused or if no cycle is started.

Control Panel

Control Panel Features

- Refer to the **Options and Extra Functions** topic for details on each option.



❶ POWER On/Off Button

- Press this button to turn the dishwasher on or off.
- After the cycle is complete, the power automatically turns off for purposes of safety and economy.
- If there is a power surge, power outage, or disruption of any kind, power is automatically turned off for safety.
- When power is connected again, the dishwasher will turn on automatically and resume the cycle.

❷ Option Setting Mode

- While the appliance is off, Press **Rinse** and **Delay Start** at the same time.
- Refer to the **Using the Option Setting Mode** topic for function of the **Option Setting Mode**.

❸ Display

: **Rinse Aid Icon**

- This LED flashes when the rinse aid level is low. The LED automatically shuts off when the rinse aid is refilled or the level is set to 0.
- To adjust the rinse aid level, refer to the **Using the Option Setting Mode** topic.

: **Machine Clean Icon**

- The **Machine Clean** LED flashes every 30 cycles.

- 8:88 : **Digital Display**
  - The digital display on the control panel shows the ESTIMATED cycle time. When the cycle and options are selected, the display shows the total estimated time to complete those selections. During operation, the display shows the remaining estimated operating time.

NOTE

- The estimated time shown on the display does not include delay times for heating water, etc.
- If **Delay Start** is selected, the display shows the delay time in hours.
- Cycle time may vary depending on the soil level of your load.

❹ Cancel Button

- The drain pump activates and the cycle cancels. Once the dishwasher finishes draining, the power turns off.

- Press and hold **START** for 3 seconds to activate.

❺ START Button

- To operate the machine, press **START** and close the door within 4 seconds.
- If more than 4 seconds have passed since pressing **START**, an alarm will sound when the door is closed.

NOTE

- All buttons on the control panel are locked during the cycle to prevent settings from being changed during a cycle.
- Buttons can be controlled after opening the door.
- The door is not locked during the cycle.

Wash Cycles

Select your desired cycle.

Auto

Senses the soil amount and soil toughness and is optimized to achieve the best cleaning.

Heavy

For heavily soiled dishes and dishes with hardened on soil. This cycle defaults to the strongest spray intensity to wash heavily soiled dishes.

Normal

For daily, regular, or typical use to completely wash a full load of normally soiled dishes. The energy usage label is based on this cycle without any options.

Turbo

This cycle is for food residue that is light, less oily, and not dry, as well as for tableware cleaned immediately after meals.

Machine Clean

This cycle is for cleaning the inside of the appliance. Use the cycle without dishes in the appliance. It eliminates residual soils, odor, white spots, limescale, and other dirt. Add citric acid or another cleaning agent for more effective results.

Rinse

Suitable to rinse dishes that you plan to wash later.

Options and Extra Functions

Select the desired cycle and then select the options for that cycle.

Delay Start

This feature delays the start of a selected cycle. Each time the **Delay Start** button is pressed, the delay time increases by an hour. The delay time can be set from 1 to 24 hours, in one-hour increments.

High Temp.

The indicator lights up and the dishwasher increases the main wash temperature to 158 °F (70 °C). Helps to remove the oil on the tableware more effectively.

- To turn off the high temperature function, press the **High Temp.** button again.

Sani Rinse

Press the **Sani Rinse** button to activate the function, the indicator light will remain on, and the final flushing water temperature will increase to 155 ℉ (68 ℃) and remain at that temperature for 10 minutes.

- To turn off the function, please press the **Sani Rinse** button again. The function will be turned off and the indicator light will turn off.

Using Auto Open Dry

Air Dry

- It can be used for all cycles except **Rinse**. When Air Dry is selected, the cycle time will be

shortened, and the dishwasher will operate in residual heat drying mode with the door opening automatically at the end of the cycle.

Heat Dry

- It can be used for all cycles except **Machine Clean** and **Rinse**. When Heat Dry is selected, the time will be extended and the temperature of the final rinse will be increased to help improve the drying effect.

Residual Heat

- When neither Air Dry nor Heat Dry is selected (indicator lights off), the dishwasher runs the Residual Heat mode, and the door will not open automatically.

Control Lock

This feature helps prevent settings from being changed during a cycle. Selecting this feature locks all of the buttons, except for the **Control Lock** button, on the control panel. This feature does not lock the door.

Unlock indicates that the control lock is disabled, and **Lock** indicates that the control lock is enabled.

Press and hold **Control Lock** for 3 seconds to switch the control lock status.

- To start a new cycle, deactivate this feature.

Cycle/Option Guide

The cycle guide below shows the available options for each cycle.

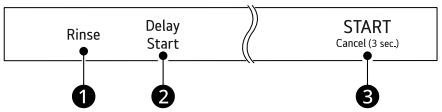
Cycle		Auto	Heavy	Normal*	Turbo	Machine Clean	Rinse
Water Usage	(L)	6.8 - 16.7	16.7	6.5 - 20	10.4	9.5	3.5
	(gal)	1.80 - 4.41	4.41	1.72 - 5.28	2.75	2.51	0.93
Wash Time with Options (Mins.)		87 - 220	145 - 210	85 - 230	50 - 157	120 - 176	15
Available Options	**Sani Rinse**	●	●	●	●		
	High Temp.	●		●	●		
	Air Dry*	●	●	●	●	●	
	Heat Dry	●	●	●	●		
	Residual Heat (Door Closed)	●	●	●	●	●	

* Default setting

NOTE

- Actual water consumption will vary depending on soil level and hardness of water.
- The actual running time and cycle time displayed may change depending on options chosen, soil level, water temperature, and hardness of water. Therefore, display time and actual running time can be different.

Using the Option Setting Mode



1 Ensure the program is selected.

2 Press **Rinse** ❶ and **Delay Start** ❷ at the same time for 5 seconds.

3 Refer to the table to set up each function.

4 Press **START** ❸ to save.

Function	Button	Display
Rinse Aid Level	**Delay Start**	d3 ⟶ d4 ⟶ d5 ⟶ d6 ⟶ d7 ⟶ d8 ⟶ d9 ⟶ d0 ⟶ d1 ⟶ d2

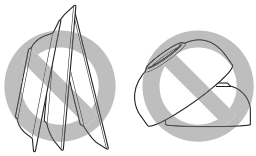
NOTE

- Rinse Aid Level
  - Adjust the level of rinse aid from d0 to d9.
  - For more information, refer to the **Rinse Aid Dispenser Adjustment** section.

Loading the Dishwasher

For effective washing performance, always follow these instructions.

- Remove large particles of food debris from plates including bones before loading.
- Items with burnt on food should be soaked prior to loading in the dishwasher.
- Deep pots or dishes should be placed upside down.
- Make sure that all items do not touch each other.



Non-Dishwasher Safe Items

The combination of high water temperature and dishwasher detergents may damage certain items. Do not wash the following items in the dishwasher.

- Copper or anodized aluminum
- Hand painted silver or gold leaf china
- Wood or bone handled utensils
- Iron or non-rustproof utensils
- Plastic items which are not dishwasher safe
- Sterling silver or gold-plated flatware or delicate or metal-rimmed china
- Fragile items such as crystal glasses

⚠ CAUTION

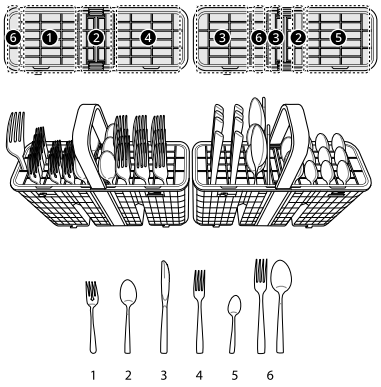
- Do not place pots or pans with plastic handles in the appliance as the handles may deteriorate due to the heat and detergent.
- Waterproof or long-lasting lipstick smudges on glasses may not be removed during the wash.

Loading the Silverware Basket

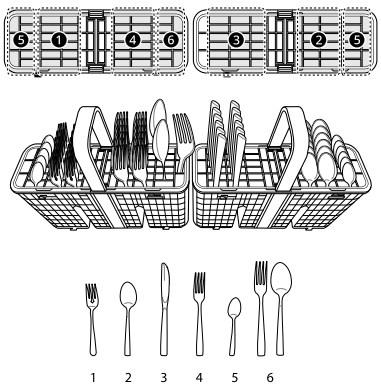
The silverware basket has separators to avoid scratching and tarnishing of delicate silverware.

Loading Silverware into the Basket

Loading 10 Place Settings



Loading 12 Place Settings



Silverware Loading Tips:

- For best cleaning results, use the top separators in the basket when loading silverware. The separators will prevent nesting of silverware.
- Load sharp items, such as knives, pointing down.
- When unloading the dishwasher, it is best to start with the silverware basket. Doing so will prevent water droplets from falling on your silverware from the upper rack.

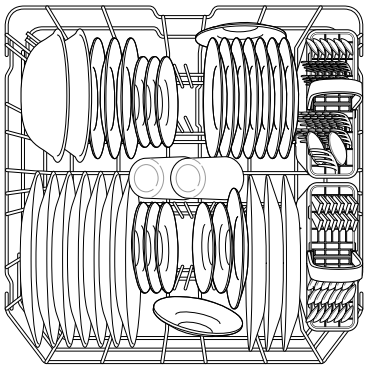
⚠ WARNING

- Be careful when loading and unloading sharp items. Load sharp knives with the handles up to reduce the risk of personal injury.

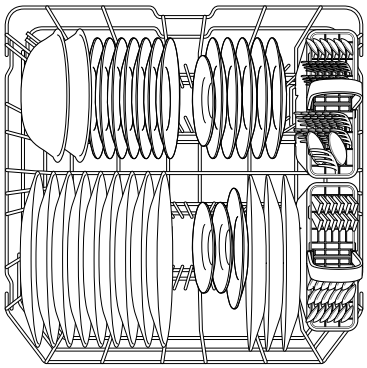
Loading the Lower Rack

Loading Dishes into the Lower Rack

Loading 10 Place Settings



Loading 12 Place Settings



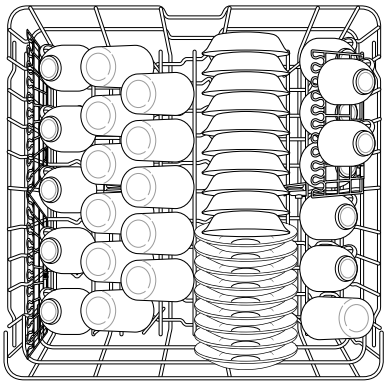
Lower Rack Loading Tips

- Plates should be positioned upright and facing the center of the rack, and pots, pans and large dishes must be turned upside down.
- Load dinner plates, dishes, soup bowls, etc. between the tines.
- Load cookie sheets, cake pans and other large items at the sides or back of the rack. Loading these items in the front of the dishwasher can prevent the water spray from reaching the detergent dispenser.
- Make sure that pot handles and other large items do not stop the rotation of the spray arms.
- The lower rack should not be used for small items such as cups, wine glasses, or small plates. These items should be loaded in the upper rack.
- Make sure that large items do not interfere with the rotation of the spray arms, and do not prevent the detergent dispenser from opening.

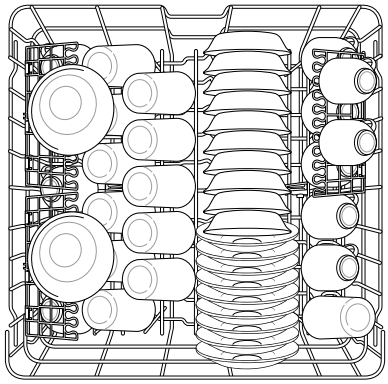
Loading the Upper Rack

Loading Dishes into the Upper Rack

Loading 10 Place Settings



Loading 12 Place Settings

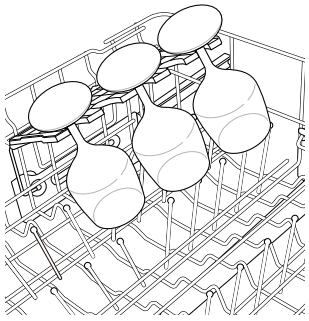


Upper Rack Loading Tips

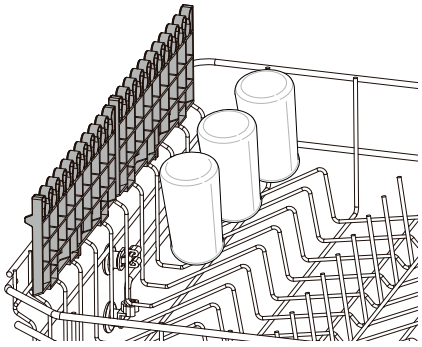
- Place cups and glasses in the rows between the rack tines. Placing them over the rack tines can lead to breakage and water spots.
- To avoid chipping, do not let stemware touch other items.
- Place items so that the open end faces down for cleaning and drying.
- Do not stack items on top of each other.
- Use the upper rack for small or delicate items such as small plates, cups, saucers, glasses, and dishwasher-safe plastic items.
- Cups, glasses, and bowls must be positioned upside down.
- Make sure items do not interfere with the rotation of the spray arms above and below the upper rack.

Loading the Cup Rack

Extra cups or cooking utensils can be laid on the fold down cup racks, which also provide support for long-stemmed glasses.



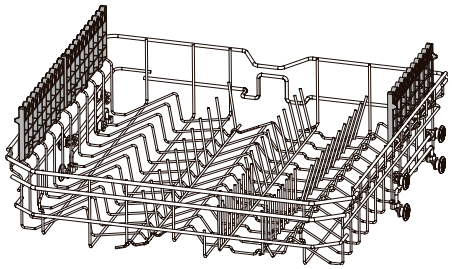
The cup racks can be folded up out of the way for tall glasses.



Removing and Replacing Cup Rack

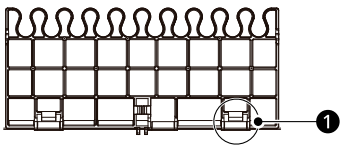
The left and right cup racks are interchangeable and can be removed.

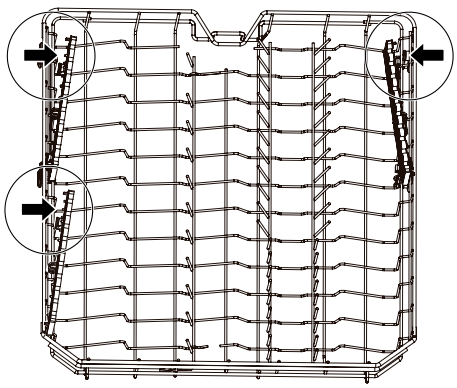
1 Slide the cup rack down into its closed position.



2 Locate the assembly slot ❶ on the cup rack, align the slot with the bar, and firmly pop the rack off the support bar on that side.

- The rack on the left pops free at the back. The rack on the right pops free at the front.





3 Follow the instructions in reverse to replace the cup rack.

Adding Cleaning Products

Adding Detergent to the Dispenser

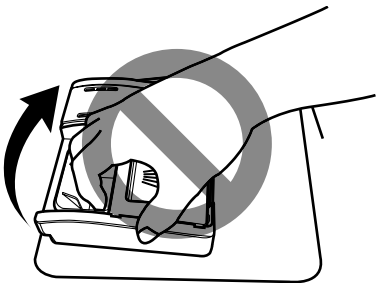
- The amount of detergent needed depends on the cycle, load size, and soil level of dishes.
- Put detergent into the detergent compartment before starting any cycle, except the **Rinse** cycle.

⚠ WARNING

- Dishwasher detergent and rinse aid contain chemical components, like all other household detergent. So, they must be kept out of the reach of children.

⚠ CAUTION

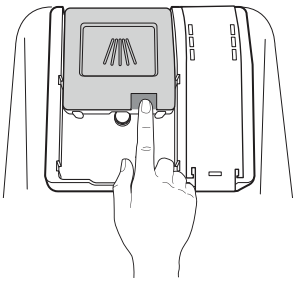
- Use only detergent intended for dishwashers. Incorrect detergent may cause the dishwasher to fill with suds during operation. Excess suds may reduce wash performance and may cause the dishwasher to leak.
- To avoid damaging the dispenser, do not pull up on the dispenser to close the dishwasher door.



NOTE

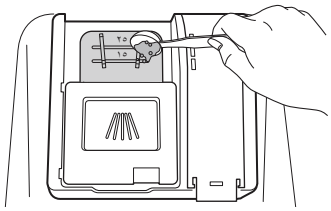
- After completion of the wash program, check whether the detergent was completely washed out.
- Some dishwasher detergent tablets may become stuck in the dispenser due to their excessive size. Tablets can be placed onto the base of the wash tub next to the filter before starting the cycle.
- Too much detergent can leave a film on dishes and in the dishwasher, resulting in poor wash performance.
- If dishwasher detergent tablets are used without liquid rinse aid, the dishes and dishwasher interior will have excessive moisture. Select the **Heat Dry** option for better drying performance.
- Using liquid rinse aid improves drying performance by allowing water to drain off of dishes after the final rinse.
- Do not use detergent tablets for shorter wash cycles. The tablet may not dissolve completely, causing detergent residue on dishes and inefficient cleaning.
- Using a wash booster helps remove spots, residue, and the white film caused by hard water. It does not help remove excess detergent residue.

1 Push the button on the dispenser lid to open the cover.

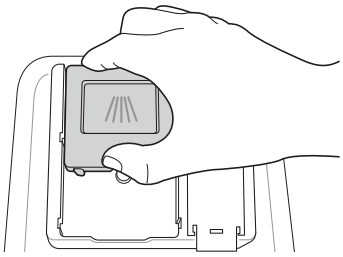


2 Add dishwashing detergent to the main wash compartment until the level is between the lines marked 15 and 25.

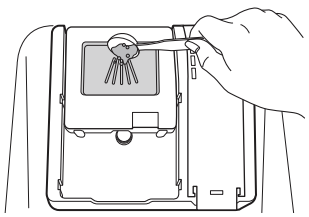
- Fill to over the 25 line for hard water or heavily soiled loads.
- Fill to the 15 line for soft water or lightly soiled loads.



3 Slide the detergent lid closed until it clicks.



4 If a prewash is desired, fill the recessed prewash compartment area on the lid with detergent.



Adding Rinse Aid to the Dispenser

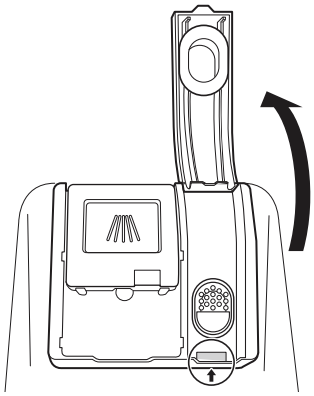
The **Rinse Aid** LED appears in the display when more rinse aid is needed.

The use of rinse aid is recommended to prevent water spots on dishes and to enhance drying performance.

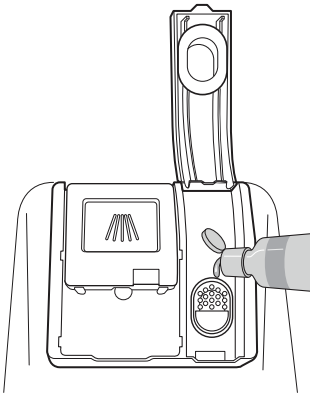
NOTE

- Only use liquid rinse aid in the dishwasher.
- Do not overfill the rinse aid dispenser.
- Wipe off any spilled rinse aid around the dispenser.

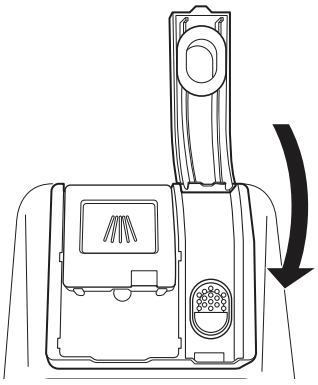
1 Open the rinse aid lid by lifting up the flap.



2 Add a liquid rinse aid to the maximum fill level. Allow the rinse aid to settle in the dispenser while filling, or air bubbles may result in poor drying performance. Avoid overfilling the dispenser.



3 Close the lid to lock the dispenser. Rinse aid is dispensed automatically during the final rinse cycle.



Rinse Aid Dispenser Adjustment

The dispenser has ten adjustment levels. The dishwasher is programmed at the factory for a

rinse aid dispenser level of 3. This can be checked and adjusted from the control panel.

NOTE

- Adjust the setting higher if you have hard water and notice calcium buildup on your dishes.
- Setting the rinse aid control too low will contribute to spotting and streaking on dishes and poor drying performance.
- Setting the control too high can cause foaming, which will cause poor wash performance.

1. Ensure the appliance is on.

2. Press and hold **Rinse** and **Delay Start** at the same time for 5 seconds.

3. Press **Delay Start** to change the rinse aid dispenser setting. Each press of the button changes the setting one step from d0 to d9. Once the desired rinse aid dispenser setting is selected, press **START** to save.

Refilling the Rinse Aid

How often the dispenser needs to be refilled depends on how often dishes are washed and the rinse aid setting used.

- The **Rinse Aid** LED flashes when more rinse aid is needed, unless the rinse aid dispenser setting is set to d0.

MAINTENANCE

To maintain performance and prevent trouble, it is important to check the outside and inside of the dishwasher, including filters and spray arms, at regular intervals.

⚠ WARNING

- When cleaning the outside and inside of the dishwasher, do not use benzene or thinner. Otherwise, it may cause fire or explosion.
- To prevent injury during care and maintenance or cleaning, wear gloves and/or protective clothing.

Cleaning and Care

Cleaning the Exterior

- Do not use scrub pads or abrasive cleaners on the exterior of the dishwasher.
- Most soil can be removed using a soft, damp cloth or sponge. A mild soap can be used to help release stubborn soil. Rinse and wipe dry with a soft cloth after cleaning.
- Stainless steel surfaces can be polished using a stainless steel cleaner. Follow the instructions on the cleaner, and wipe in the direction of the grain.

⚠ CAUTION

- If cooking oil is spilled on the exterior of the product, wipe it off immediately. Do not clean the exterior of the product with cleaners which contain alcohol, thinners, bleach, benzene, flammable liquids, or abrasives. These substances may discolor or damage the appliance.
- Aromatic hydrocarbons such as benzene can damage the surface of the product. These compounds are found in many common household products such as detergents, paints, cosmetics, air fresheners, disinfectants, and even some foods such as oils, spices, and smoked meat or fish. Regularly wipe down the control panel and other outside surfaces of the product with a clean, damp cloth to help prevent damage.

Cleaning the Interior

- Clean the interior of the dishwasher periodically with a soft, damp cloth or sponge to remove food and dirt particles.
- To remove white spots and odor from inside the dishwasher, run an empty cycle, without detergent, with one cup of white vinegar in a dishwasher safe glass or bowl placed on the upper rack. (Vinegar is an acid and with constant use it could damage the appliance.)
- Using **Machine Clean**
  - Run the **Machine Clean** cycle once a month or after every 30 cycles to eliminate residual soil, odor, white spots and other dirt inside the appliance.

1 Remove all dishes from the appliance.

2 Remove, clean and reinstall the filters. See cleaning instructions in **Cleaning the Filters**.

3 Add 3 tbsp. (40 g) of citric acid to the detergent dispenser or follow the manufacturer's instructions if using a dishwasher cleaning agent. Do not use dishwasher detergent.

4 Run the **Machine Clean** cycle.

5 Press **START**.

NOTE

- Run the **Machine Clean** cycle once a month, or more often if needed, to remove detergent buildup and other residue.
- If you have not used the dishwasher for a long time, refresh the inside by running the **Machine Clean** cycle without detergent. When the cycle is finished, clean the inside and outside of the dishwasher according to the **MAINTENANCE** instructions.

Clogged Drain Air Gap or In-Sink Disposal

Check the drain air gap or in-sink disposal if the dishwasher is not draining well.

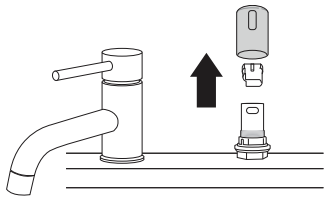
NOTE

- The drain air gap and disposal are external plumbing devices that are not part of the dishwasher.
- The warranty provided with the dishwasher does not cover service costs directly associated with the cleaning or repair of the external drain air gap and disposal.

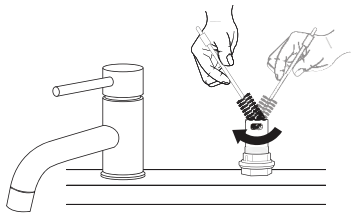
Cleaning the Air Gap

1 Turn off the dishwasher.

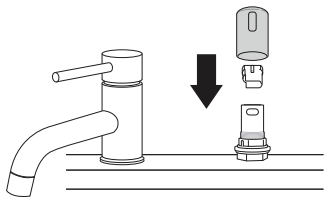
2 Remove the air gap cover and the plastic cap underneath it.



3 Clean out any debris with a toothpick or brush.



4 Replace the plastic cap and air gap cover.



Cleaning the Filters

⚠ WARNING

- Be cautious of sharp edges when handling the stainless steel filter.

⚠ CAUTION

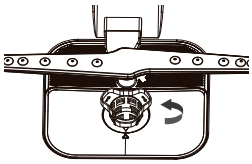
- Remove food residue caught in filters to prevent the buildup of odor-causing bacteria and possible drainage problems.

NOTE

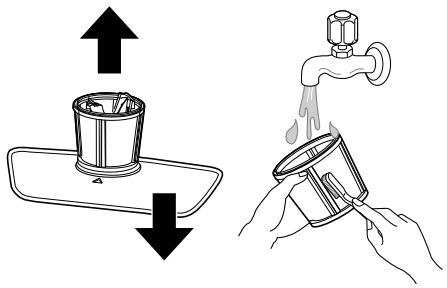
- For best wash performance, clean the filter after each load. If food debris remains in the filter, it may cause an odor.
- In areas with hard water, clean the filter at least once a month with a soft brush.
- Clean the filters using non-abrasive materials and warm running water.

1 Remove the lower rack.

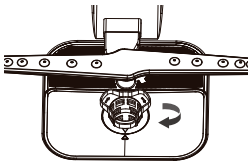
2 Turn the inner filter counter-clockwise and take out the assembled inner filter and stainless steel filter.
With the filters removed, check the sump opening and remove any foreign materials, if needed.



3 Clean the filters with a soft brush under running water. Reassemble the filters before reinstalling them.

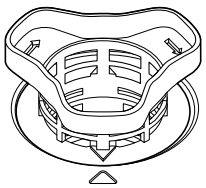


4 To replace the assembled filters, position the spray arm so the wider vee is toward the front. Fit the filters back into the filter holder and secure them by turning the inner filter clockwise until it clicks into place.



NOTE

- Make sure the filter is assembled correctly before starting a cycle. When assembling, rotate the filter firmly until it clicks.



Recommended Filter Cleaning Schedule

Number of Loads Per Week	If you wash dishes before loading	If you scrape and rinse dishes before loading
1 - 3	Every 6 months	Once a year
4 - 7		
8 - 12		Every 6 months
13 - 14		

Number of Loads Per Week	If you only scrape dishes before loading	If you do not scrape or rinse dishes before loading
1 - 3	Four times a year	Once a month
4 - 7		Twice a month (every 15 days)
8 - 12	Every 1.5 months	Every week
13 - 14		Twice a week

Cleaning the Spray Arm

If the spray arm holes are blocked by any food residue, dishes may not be cleaned well due to improper water spray.

It is recommended that the spray arms be cleaned once every two weeks.

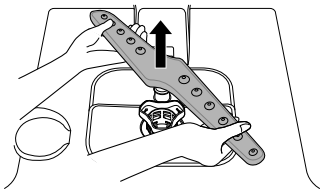
Cleaning the Lower Spray Arm

1 Make sure that the water jet holes are not blocked by food particles.

2 When cleaning is necessary, remove the lower spray arm by pulling up.

3 Remove food particles by rinsing or shaking the spray arm.

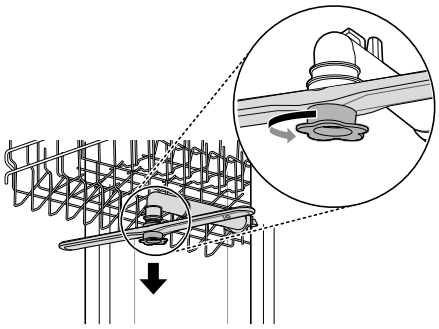
4 After cleaning the lower spray arm, replace it by pushing down until it clips into place. Be sure that the spray arm is able to turn freely.



Cleaning the Upper Spray Arm

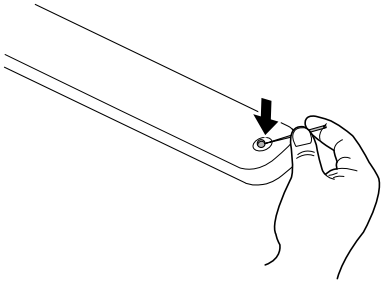
1 Pull the upper rack forward. Make sure that the water jet holes are not blocked by food particles.

2 When cleaning is necessary, remove the upper spray arm by turning the nut on the bottom of the spray arm counter-clockwise and pulling down.



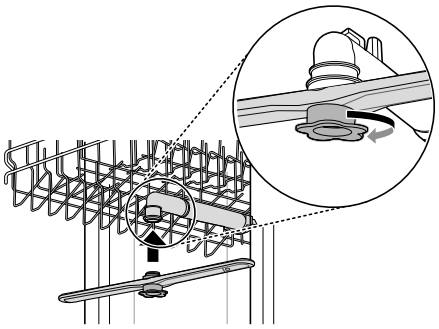
3 Remove food particles by rinsing or shaking the spray arm.

4 If any food residue blocks the spray arm holes, remove it with a pin or any sharp tool.



5 After removing the food residue, clean the spray arms under running water.

6 After cleaning the upper spray arm, press it up into place. Turn the nut clockwise to make sure that the nut locks back into place.



7 After assembly, make sure that the spray arms rotate freely.

Seasonal Maintenance and Storage

- If you will be absent for an extended period of time during warmer months, close the water valve and disconnect the power supply line, or turn off the circuit breaker. Clean the filter, tub and dispenser to prevent odor.
- If you will be absent for an extended period of time during colder months and there is a possibility of freezing temperatures, winterize the water supply lines and the dishwasher itself. Winterization must be performed by qualified service personnel.

TROUBLESHOOTING

The washer is equipped with an automatic error-monitoring system to detect and diagnose problems at an early stage. If the washer does not function properly or does not function at all, check the following before you call for service.

Before Calling for Service

Review this section before calling for service; doing so will save you both time and money.

FAQs

Q: Does this dishwasher require a rinse aid to be used?

A: Rinse aid is strongly recommended to enhance the drying performance of the dishwasher. If a rinse aid is not used, water may remain on the dishes and the tub. Rinse aid helps to ensure that the majority of the water has been sheeted off of the dishes at the end of the rinse and that the load is ready for the dry cycle.

Q: What can be done if my dishes have a cloudy, white film on them after a wash?

A: The cloudy film is usually caused by minerals in the water reacting with the dishwasher detergent. First, be certain not to use too much detergent. Refer to **Adding Detergent to the Dispenser** section for recommended detergent amounts. Add an extra rinse to the cycle. LG Dishwashers use less water than traditional dishwashers, so adding an extra rinse helps to rinse the film away. If the water supply is hard, it may be necessary to add a performance booster that addresses the hard water condition.

Q: How do I remove white film on the tub?

A: Measure 3 tbsp. (40 g) of citric acid powder and use it to fill the main detergent compartment. Run a **Machine Clean** cycle. Do not use detergent.

Q: What steps can I take to improve drying results?

A: Drying performance is directly affected by the amount of heat that remains in the tub after the heated rinse is performed. If your dishwasher is far away from your home's hot water heater, it may be necessary to run the hot water tap in the sink before starting a wash cycle, to ensure that cool water is purged from the hot water lines. This will ensure your dishwasher has a consistent supply of hot water from start to finish. Using the **High Temp.** setting also aids in keeping the inner drum temperature and dishes hotter before drying begins.
LG dishwashers are designed to be used in conjunction with a rinse aid. Using a rinse aid will maximize the amount of water that has already been sheeted away from the dishes before the dry cycle begins. If a rinse aid is used and the performance still needs a boost, adjust the amount of rinse aid used. 3 is the default setting, but if necessary set the level to 4 so more rinse aid is used.
Water tends to bead rather than sheet off plastic and nonstick surfaces, making them more difficult to dry. If washing plastic items in a **Normal** cycle, select the **Heat Dry** option for better drying results. When the rinse aid is empty, the **Heat Dry** option is selected automatically.
Allow the dishwasher to completely finish the dry cycle before opening the door. If the door is opened in the middle of the dry cycle, the heat that is necessary for the hybrid dry system to work will escape. This will cause all of the dishes inside to remain wet once the cycle finishes.

Q: What is the hybrid drying system?

A: The dishwasher does not rely on a heating element for the drying process; instead, it relies on the heat that is retained by the dishes and the tub during the wash and rinse cycles to turn the moisture in the tub into humidity.
After the dishwasher door is opened at the end of the cycle, warm and moist air in the dishwasher is then blown out.

NOTE

- Rinse aid is required to enhance the drying performance. If no rinse aid is used, water may remain on the dishes and the tub.

Q: Why am I hearing a whistling sound from the dishwasher?

A: It is important to determine the duration of the noise and when it happens (what part of the cycle). When water is drawn into the dishwasher, a whistling noise can be heard. This is normal. If the water pressure is too high, it will be louder, so it may be necessary to adjust the water valve to lower the pressure if the noise is too loud.

Q: What kinds of dishes can be placed in the dishwasher?

A: Ensure that the dishes you place in the dishwasher are dishwasher safe. Plastic dishware will not dry as effectively as glass and metal dishware. Plastic items do not retain heat as well as glass and metal dishware. Plastic cups and dishes may require some hand drying before being put away at the end of the cycle.

Q: Can I run a drain only cycle?

A: To drain standing water, press and hold **START** for three seconds until the cycle stops. Once the dishwasher finishes draining, the power turns off.

Q: Why does my dishwasher continuously chime if I open the door during a cycle or right after the cycle has finished?

A: This is normal. The dishwasher is letting you know that the interior temperatures of the unit are hot and to use caution when reaching inside. Once the unit has cooled down, the chiming will stop.

Q: Can I add an extension to the drain hose?

A: If a drain hose extension is required, use a 5/8” or 7/8” inside diameter, 2 ft ~ 3 ft. length hose and a coupler to connect the two hose ends.

Q: The machine is chiming, and the dishwasher won't start. What is wrong with the dishwasher?

A: This is a safety feature. The door must be closed within four seconds of pressing the **START** button. If the door is not closed within four seconds, the dishwasher does not operate. To start the dishwasher, open the door and press **START** and close the door within four seconds (top controls).

Q: Should I pre-rinse dishes before loading them?

A: No, you don't need to pre-rinse the dishes before loading especially if using the **Normal** and **Auto** cycles. The dishwasher washes dishes clean without pre-rinsing.

Error Messages

Problem	Possible Cause & Solution
E01	**Water inlet problem.** • Check for a clogged, kinked or frozen water inlet hose. • Check water supply.
E02	**Water temperature sensor error** • Please call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A) 1-888-542-2623 (Canada).

Problem	Possible Cause & Solution
E03	**Heater circuit failure** • Please call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A) 1-888-542-2623 (Canada).
E04	**Communication failure.** • Please call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A) 1-888-542-2623 (Canada).
E05	**Water leakage** • Turn off the water supply to the dishwasher and call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A) 1-888-542-2623 (Canada).
E07	**Water Inlet valve failure** • Please call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A) 1-888-542-2623 (Canada).

Operation

Problem	Possible Cause & Solution
Dishwasher will not operate.	**START button is not pressed.** • Press the **START** button.
	Door is not completely closed. • Make sure that the door is completely closed and latched.
	Power supply or power supply line is not connected. • Connect the power supply or power supply line properly.
	Fuse is blown or circuit breaker tripped. • Replace the fuse or reset the circuit breaker.
Dishwasher operates too long.	**Dishwasher is connected to cold water.** • Check the water supply connection or water heater setting. (Heating cold water takes longer.)
Water remains in tub after completion of cycle.	**Drain hose is kinked or clogged.** • Adjust hose or clear blockage.
Noise	**Some level of noise is normal during operation.** • Detergent cover opening. • Drain pump at the beginning of drain cycle.
	The dishwasher is not level. • Adjust leveling feet.
	Nozzle arm knocking against dishes. • Reposition the dishes.
	Water pressure is too high. • Adjust water pressure.
	Is the amount of cutlery in the cutlery basket small? • There is no problem with the product due to noise generated by the small amount of tableware, so use it with confidence.
Lights do not illuminate.	**Power is not connected.** • Connect power supply.

Problem	Possible Cause & Solution
Spray arms do not rotate smoothly.	**Holes of spray arms are blocked by food particles.** • Clean the holes of spray arms.
The control panel doesn't work while the dishwasher is running.	**All buttons on the control panel are disabled during the cycle to prevent the settings from being changed inadvertently.** • Wait for the cycle to finish before operating the control panel.
Dishwasher did not finish cycle.	**Door was opened during cycle.** • If the door is opened during a cycle, the **START** key must be pressed within 5 hours or the machine turns off and all settings are lost.
Leaking in front of appliance	**Dishwasher not leveled properly.** • Verify the appliance is level from side to side and from front to back. See leveling instructions in the Installation section.
	Wrong detergent used. • If excessive sudsing is causing the leak, allow the foam to subside for 24 hours then clean the inside of the tub with milk.
Drops of water forming under the sink shelf.	**Is there moisture accumulation under the bench top?** • During the automatic door opening function, high temperature steam will be emitted from the tub and will condense on the surfaces directly above the washer. • Condensation that has formed under the bench top naturally evaporates and disappears after a certain period of time. • However, if the bench top is made of wood or MDF, then aluminum tape must be attached to its underside at the location of the washer to prevent the timber from swelling and long term damage such as rot.

Performance

Problem	Possible Cause & Solution
Odor	**The previous cycle was stopped before completion and residual water remains in the dishwasher.** • Turn on the power, run the **Cancel** cycle option to remove the residual water, then run the **Turbo** cycle using detergent but with the dishwasher empty.
	There is food in the bottom of the appliance or in the filter. • Clean the filter and the interior according to the **Maintenance** section of the owner's manual.
	Unwashed dishes are left in the appliance for a long time. • Run a cycle with one cup of white vinegar in a dishwasher safe glass or bowl placed on the upper rack. (Vinegar is an acid, and with constant use it could damage your appliance.)
	After cleaning, the appliance smells like detergent. • This is normal.
Food soil remains on dishes.	**Improper cycle selection.** • Select correct cycle based on soil level and type of dishware being washed.
	Water temperature is too low. • Check water supply connection or water heater setting.
	Dishwashing detergent was not used. • Use recommended detergent.
	Low inlet water pressure. • Water pressure should be between 2.9 and 145 psi.

Problem	Possible Cause & Solution
Food soil remains on dishes.	**Water jet holes on spray arms blocked.** • Clean the spray arms.
	Improper loading of dishes. • Make sure dishes do not block spray arm rotation or interfere with detergent dispenser.
	Filters are clogged. • Clean filters.
Cloudiness on glassware.	**Combination of excessive detergent and hard water.** • Use less detergent and use a rinse aid to minimize the problem.
Black or gray marks on dishes.	**Aluminum items rubbing dishes during cycle.** • Reposition the dishes.
Yellow or brown film on inside surfaces of dishwasher.	**Coffee or tea stains.** • Eliminate the stain by using a stain removal product.
Spots and filming on dishes.	**Low water temperature.** • Water supply should be at least 120 °F for best wash performance.
	Overloading. • Do not overload the dishwasher.
	Improper loading. • See the **Operation** section.
	Insufficient water pressure. • Water pressure should be between 2.9 and 145 psi.
	Insufficient detergent. • Add the recommended amount of detergent. See the **Operation** section.
	Rinse aid dispenser is empty. • Refill rinse aid dispenser.
	Hard water buildup in the tub. • Remove all dishes, silverware and silverware holder from dishwasher. Only racks should remain in tub. For best results, use citric acid powder (can be found in canning sections of most grocery stores or online). Measure 3 tablespoons (40 g) of citric acid powder. Fill main wash compartment with measured powder. If you cannot find citric acid powder, pour approximately one cup (200 ml - 300 ml) of white vinegar into shallow bowl and place in upper rack. Run **Machine Clean** cycle. Do not use detergent.
Dishes don’t dry.	**Rinse aid dispenser empty.** • Check and refill the rinse aid dispenser if empty.
	Auto Open Dry is off. • The Auto Open Dry feature can be turned on using the **Dry** option. Refer to **Using Auto Open Dry**.

LIMITED WARRANTY

USA

TERMS AND CONDITIONS

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG ELECTRONICS ("LG") TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

Should your LG Dishwasher ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG will, at its option, repair or replace the Product. This limited warranty is valid only to the original retail purchaser of the Product ("You") and applies only when purchased lawfully and used within the United States including U.S. Territories.

Warranty Period	Scope of Warranty	HOW SERVICE IS HANDLED
One (1) year from date of original retail purchase, or from the date of delivery as per applicable law	Labor / Parts	LG will also provide, free of charge, all labor and on-site service to replace the defective part.

- Replacement Products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- Replacement Products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured.
- Replaced Product or part(s) will be the property of LG.
- Proof of original retail purchase specifying the Product model and date of purchase is required to obtain warranty service under this limited warranty.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE LIMITED WARRANTY. UNDER NO CIRCUMSTANCES SHALL LG OR ITS U.S. DISTRIBUTORS/DEALERS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, COST OF REMOVAL AND REINSTALLATION OF THE PRODUCT, LOSS OF USE, OR ANY OTHER DAMAGES WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. LG'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to deliver, pick up, or install, educate how to operate, correct wiring, or correct unauthorized repairs.
- Damage or failure of the Product to perform during power failures and interrupted or inadequate electrical service.
- Damage or failure of the Product caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage or failure of the Product resulting from operating the Product in a corrosive atmosphere or contrary to the Product owner's manual.

- Damage or failure of the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, acts of nature, or any other causes beyond the control of LG.
- Damage or failure of the Product caused by unauthorized modification or alteration, or if the Product is used for other than the intended purpose, or any water leakage where the Product was not properly installed.
- Damage or failure of the Product caused by incorrect electrical current, voltage, or plumbing codes.
- Damage or failure of the Product caused by transportation, storage, and/or handling, including scratches, dents, chips, and/or other damage to the finish of the Product, unless such damage is reported within one (1) week of delivery.
- Damage or failure of the Product resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes the use of parts not authorized by LG. Improper installation or maintenance includes installation or maintenance contrary to the Product owner's manual.
- Damage or failure of the Product caused by the use of parts, components, accessories, consumable cleaning products, or any other products or services that were not authorized by LG.
- Damage or missing items to any display or open box Product.
- Refurbished Product or any Product sold "As Is", "Where Is", "With all Faults", or similar disclaimer.
- Products with original serial numbers that have been removed, altered, or cannot be readily determined.
- Increases in utility costs and additional utility expenses.
- Any noises associated with normal operation.
- Products used for other than normal and proper household use (e.g., commercial, business, or industrial settings, including any retail or food service establishments, or any commercial lodging/transient rental setting), or any use contrary to the Product owner's manual.
- Costs associated with removal and reinstallation of the Product for repairs, or the removal and reinstallation of the Product if it is installed in an inaccessible location or not installed in accordance with the Product Owner's manual.
- Accessories, removable components, or consumable parts (e.g. Shelves, door bins, drawers, water/air filters, racks, light bulbs, batteries, etc., as applicable), except for internal/functional parts covered under this limited warranty.

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

TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION

Call 1-800-243-0000 and select the appropriate option from the menu.

Or visit our website at http://www.lg.com.

Or by mail: LG Electronics Customer Service P.O. Box 240007 Huntsville, AL 35813 ATTN: CIC

PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to "LG" mean LG Electronics U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of

the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association ("AAA") and will be conducted before a single arbitrator under the AAA's Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the "AAA Rules") and under the procedures set forth in this section. The AAA Rules are available online at www.adr.org/consumer. Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than $25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for $25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds $25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing https://www.lg.com/us/support and clicking on "How do I find my model number?").

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

CANADA

TERMS AND CONDITIONS

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS THE LAWS OF YOUR PROVINCE OR TERRITORY DO NOT PERMIT THAT, OR, IN OTHER JURISDICTIONS, IF YOU CHOOSE TO OPT OUT. FOR FURTHER CLARITY, THIS ARBITRATION PROVISION IS NOT APPLICABLE TO CONSUMERS RESIDING IN ONTARIO, BRITISH COLUMBIA OR QUÉBEC. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

QUEBEC ONLY: LG stands behind its products and makes every reasonable effort to ensure its products can be maintained and repaired, as required. You may access the catalogue of available parts and services at https://www.lg.com/ca_en/support/. HOWEVER, LG IN NO WAY GUARANTEES AND MAKES NO REPRESENTATIONS REGARDING THE AVAILABILITY OF ANY SPECIFIC SPARE OR REPLACEMENT PART, REPAIR SERVICE OR INFORMATION OR INSTRUCTIONS FOR SUCH MAINTENANCE AT ANY TIME. LG EXPRESSLY DISCLAIMS ANY GUARANTEE, WARRANTY OR OBLIGATION IN RESPECT OF THAT AVAILABILITY.

Should your LG Dishwasher ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG Electronics Canada, Inc. ("LGECI") will, at its option, repair, replace or pro rate the Product upon receipt of proof of the original retail purchase. This limited warranty is valid only to the original retail purchaser of the Product and applies only to a Product distributed, purchased from an authorized retailer and used within Canada, as determined at the sole discretion of LGECI.

WARRANTY PERIOD: (Note: If the original date of purchase can not be verified, the warranty will begin sixty (60) days from the date of manufacture.)
Dishwasher(Consumer will be charged for Labor after One (1) year from the date of purchase.)
One (1) year from the date of original retail purchase
Labor / Parts (internal/functional parts only)

- Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- Replacement products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured, all at the sole discretion of LGECI.
- Proof of original retail purchase specifying the Product model and date of purchase is required to obtain warranty service under this Limited Warranty.

DISCLAIMER:

IF YOU ARE A CONSUMER SUBJECT TO QUÉBEC, BRITISH COLUMBIA OR ONTARIO'S CONSUMER PROTECTION LEGISLATION, THE EXCLUSION OF WARRANTIES CONTAINED IN THIS SECTION DO NOT EXCLUDE OR LIMIT THE RIGHTS AND REMEDIES THAT YOU MAY HAVE UNDER SUCH ACT, INCLUDING THE RIGHT TO MAKE A CLAIM UNDER ANY OF THE STATUTORY WARRANTIES PROVIDED THEREUNDER.

LGECI'S SOLE LIABILITY IS LIMITED TO THE LIMITED WARRANTY SET OUT ABOVE, UNLESS SUCH LIMITATION IS PROHIBITED BY THE LAWS OF THE PROVINCE IN WHICH YOU RESIDE. EXCEPT AS EXPRESSLY PROVIDED ABOVE, OR IF OTHERWISE PROHIBITED BY THE LAW OF THE PROVINCE IN WHICH YOU RESIDE, LGECI DOES NOT MAKE ANY OTHER WARRANTIES OR CONDITIONS RESPECTING THE PRODUCT, AND HEREBY DISCLAIMS, ALL OTHER WARRANTIES AND CONDITIONS RESPECTING THE PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND NO REPRESENTATIONS SHALL BE BINDING ON LGECI. LGECI DOES NOT AUTHORIZE ANY PERSON TO CREATE OR ASSUME FOR IT ANY OTHER WARRANTY OBLIGATION OR LIABILITY IN CONNECTION WITH THE PRODUCT. TO THE EXTENT THAT ANY WARRANTY OR CONDITION IS IMPLIED BY LAW, IT IS LIMITED TO THE WARRANTY PERIOD SET OUT ABOVE. UNDER NO CIRCUMSTANCES SHALL LGECI, THE MANUFACTURER OR DISTRIBUTOR OF THE PRODUCT, BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, DIRECT, INDIRECT, PUNITIVE OR EXEMPLARY DAMAGES, INCLUDING,

WITHOUT LIMITATION, LOSS OF GOODWILL, LOST PROFITS, LOSS OF ANTICIPATED PROFITS, LOST REVENUE, LOSS OF USE, OR ANY OTHER DAMAGE, WHETHER ARISING DIRECTLY OR INDIRECTLY FROM ANY CONTRACTUAL BREACH, FUNDAMENTAL BREACH, TORT OR OTHERWISE, OR FROM ANY ACTS OR OMISSIONS. LGECI'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

This Limited Warranty gives you specific legal rights. You may also have other rights that vary from province to province depending on applicable provincial laws. Any term of this Limited Warranty that negates or varies any implied condition or warranty under provincial law is severable where it conflicts with such provincial law without affecting the remainder of this warranty's terms.

THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to i) deliver, pick up, or install or; educate on how to operate the Product; ii) correct wiring or plumbing; or iii) correct unauthorized repairs or installations of the Product;
- Damage or failure of the Product to perform during power failures and interrupted or inadequate electrical service;
- Damage or failure caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air;
- Damage or failure resulting from operating the Product in a corrosive atmosphere or contrary to the instructions outlined in the Product's owner's manual;
- Damage or failure to the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, acts of God, or any other causes beyond the control of LGECI or the manufacturer;
- Damage or failure resulting from misuse, abuse, improper installation, repair, or maintenance of the Product. Improper repair includes use of parts not authorized or specified by LGECI. Improper installation or maintenance includes installation or maintenance contrary to the Product's owner's manual;.
- Damage or failure caused by unauthorized modification or alteration of the Product, or if used for other than the intended household purpose/use of the Product, or damage or failure resulting from any water leakage due to improper installation of the Product;
- Damage or failure caused by incorrect electrical current, voltage or plumbing codes;
- Damage or failure caused by use that is other than normal household use, including, without limitation, commercial or industrial use, including use in commercial offices or recreational facilities, or as otherwise outlined in the Product's owner's manual;
- Damage or failure caused by the use of any accessories, components or cleaning products, including, without limitation, water filters, that are not approved/authorized by LGECI;
- Damage or failure caused by transportation and handling, including scratches, dents, chips and/or other damage to the finish of the Product, unless such damage results from defects in materials or workmanship and is reported to LGECI within one (1) week of delivery of the Products;
- Damage or missing items to any display, open box, refurbished or discounted Product;
- Refurbished Product or any Product sold "As Is", "Where Is", "With all Faults", or any similar disclaimer;
- Products with original serial numbers that have been removed, altered or cannot be readily determined at the discretion of LGECI;
- Increases in utility costs and additional utility expenses in any way associated with the Product;
- Any noises associated with normal operation of the Product;
- Replacement of any part that was not originally included with the Product;
- Replacement of light bulbs, filters, fuses or any other consumable parts;
- Costs associated with removal and/or reinstallation of the Product for repairs; and
- Shelves, door bins, drawers, handle and accessories to the Product, except for internal/functional parts covered under this Limited Warranty.
- Coverage for "in Home" repairs, for products in-warranty, will be provided if the Product is within a 150 km radius from the nearest authorized service center (ASC), as determined by LG Canada. If your Product

is located outside a 150 km radius from a ASC, as determined by LG Canada, it will be your responsibility to bring the Product, at your sole expense, to the ASC for in-warranty repair.

All costs and expenses associated with the above excluded circumstances, listed under the heading, This Limited Warranty Does Not Cover, shall be borne by the consumer.

TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION, PLEASE CALL OR VISIT OUR WEBSITE:

Call 1-888-542-2623 (8 am - 9 pm EST, 365 days) and select the appropriate option from the menu, or visit our website at http://www.lg.com.

PROCEDURE FOR RESOLVING DISPUTES:

EXCEPT WHERE PROHIBITED AT LAW (INCLUDING WITH RESPECT TO QUÉBEC, BRITISH COLUMBIA AND ONTARIO CONSUMERS), ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. EXCEPT WHERE PROHIBITED AT LAW (INCLUDING WITH RESPECT TO QUÉBEC, BRITISH COLUMBIA AND ONTARIO CONSUMERS), YOU AND LG BOTH IRREVOCABLY AGREE TO WAIVE THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to “LG” mean LG Electronics Canada, Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to “dispute” or “claim” shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LGECI Legal Team at 20 Norelco Drive, North York, Ontario, Canada M9L 2X6 (the “Notice of Dispute”). You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days of LG’s receipt of the Notice of Dispute, the dispute shall be resolved by binding arbitration in accordance with the procedure set out herein. You and LG both agree that, during the arbitration proceeding, the terms (including any amount) of any settlement offer made by either you or LG will not be disclosed to the arbitrator until the arbitrator determines the dispute.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after LG’s receipt of the Notice of Dispute, you and LG agree to resolve any claims between you and LG only by binding arbitration on an individual basis, unless you opt out as provided below, or you reside in a jurisdiction that prevents full application of this clause in the circumstances of the claims at issue (in which case if you are a consumer, this clause will only apply if you expressly agree to the arbitration). To the extent permitted by applicable law, any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person’s or entity’s product or claim. More specifically, without limitation of the foregoing, except to the extent such a prohibition is not permitted at law, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis except to the extent this prohibition is not permitted at law in your province or territory of jurisdiction as it relates to the claims at issue between you and LG. This does not apply to consumers in Ontario, British Columbia and Québec. In accordance with provincial legislation, the consumer and LG may agree to resolve the dispute using any procedure available, including commencing the action before the competent courts of those provinces.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be private and confidential, and conducted on a simplified and expedited basis before a single arbitrator chosen by the parties under the provincial or territorial commercial arbitration law and rules of the province or territory of your residence. You must also send a copy of your written demand to LG at LG Electronics, Canada, Inc., Attn: Legal Department- Arbitration, 20 Norelco Drive, North York, Ontario M9L 2X6. This arbitration provision is governed by your applicable provincial or territorial commercial arbitration legislation. For consumers in Ontario, British Columbia and

Québec, the applicable arbitration legislation only applies if consumers agree to submit the dispute to arbitration. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that, issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the province or territory of your purchase shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG attorn to the exclusive jurisdiction of the courts of the province or territory of your purchase for the resolution of the claim, action, dispute or controversy between you and LG.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees unless you seek more than $25,000 in damages, in which case the payment of these fees will be governed by the applicable arbitration rules. Except as otherwise provided for herein, LG will pay all filing, administration and arbitrator fees for any arbitration initiated in accordance with the applicable arbitration rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the applicable laws), then the payment of all arbitration fees will be governed by the applicable arbitration rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the applicable arbitration rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for $25,000 or less, you may choose to have the arbitration conducted solely (1) on the basis of documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the applicable arbitration rules. If your claim exceeds $25,000, the right to a hearing will be determined by the applicable arbitration rules. Any in-person arbitration hearings will be held at the nearest, most mutually-convenient arbitration location available within the province or territory in which you reside unless you and LG both agree to another location or agree to a telephonic arbitration.

Severability and Waiver. If any portion of this Limited Warranty (including these arbitration procedures) is unenforceable, the remaining provisions will continue in full force and effect to the maximum extent permitted by applicable law. Should LG fail to enforce strict performance of any provision of this Limited Warranty (including these arbitration procedures), it does not mean that LG intends to waive or has waived any provision or part of this Limited Warranty.

Opt Out. The arbitration provision requires you and LG to resolve disputes by binding arbitration instead of court, unless the laws of your province or territory do not permit that, or, in other jurisdictions, if you choose to opt out. The arbitration provision does not apply to consumers in Ontario, British Columbia and Québec.

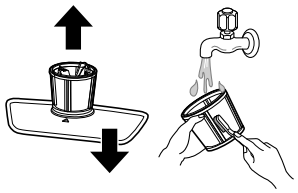
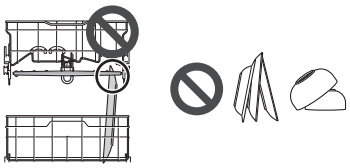
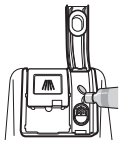
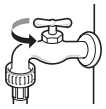
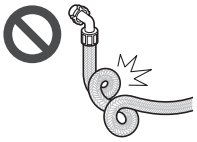
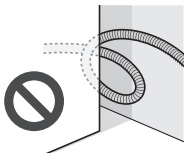
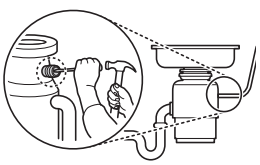
For individuals that fall within the binding arbitration provisions, you may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out;" or (ii) calling 1- 800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing https://www.lg.com/ca_en/findmodel_serial/).

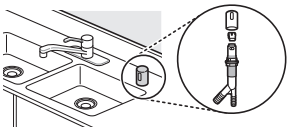
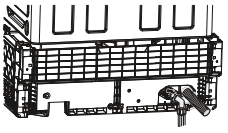
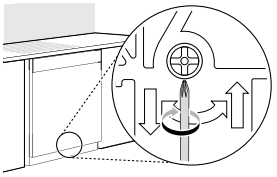
In the event that you "Opt Out", the law of the province or territory of your residence shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG agree to attorn to the exclusive jurisdiction of the courts of the province or territory of your residence for the resolution of the claim, action, dispute or controversy between you and LG.

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

Conflict of Terms. In the event of a conflict or inconsistency between the terms of this Limited Warranty and the End User License Agreement ("EULA") in regards to dispute resolution, the terms of this Limited Warranty shall control and govern the rights and obligations of the parties and shall take precedence over the EULA.

Warranty Exceptions

Poor wash results caused by debris remaining in the filter.		Clean the filter regularly.
Poor wash results caused by improper loading or over stacking: wash arm won't rotate or soap dispenser is held closed.		Make certain that no dishes or utensils are in the path of the spray arms. Do not place one dish on top of another.
Poor drying results caused by lack of rinse aid.		Use rinse aid or combination detergent.
Water is not supplied because the water tap is not turned on. E01 Error		Check and turn on the water tap.
Water is not supplied because the inlet hose is kinked. E01 Error		Reinstall the inlet hose.
Not draining because drain hose is kinked.		Reinstall the drain hose.
The knockout plug in the garbage disposal is not removed.		Remove the plug on the disposal.

The disposal or air gap is blocked by debris.		Clean the disposal or the air gap.
Inlet valve and drain hose connection problem caused by improper installation. External leakage		Reinstall the hose.
Door movement or closing compromised by incorrect leveling.		Adjust the lower front leveling feet to the required height.
No power due to loose connection of power supply line or electrical outlet problem.		Reconnect the power supply line or repair the electrical outlet.
Pick-up, electrical wiring, plumbing. Installation		You will be charged for the installation.

Memo

Memo

Memo



LG Customer Information Center	Centro de Información al Cliente LG	Centre de Service à la Clientèle de LG
For inquiries or comments, visit **www.lg.com** or call:	Para consultas o comentarios, visite **www.lg.com** o llame por teléfono:	Pour des questions ou des commentaires, visitez **www.lg.com/ca_fr** ou appelez :
1-800-243-0000 U.S.A.	1-800-243-0000 EE.UU.	1-800-243-0000 ÉTATS-UNIS
1-888-542-2623 CANADA	1-888-542-2623 CANADÁ	1-888-542-2623 CANADA
Register your product Online!	**¡Registre su producto en línea!**	**Enregistrez votre produit en ligne!**
www.lg.com	www.lg.com	www.lg.com/ca_fr