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. This abridged owner's manual addresses user safety, precautions, and installation information.

To view the complete owner's manual, you may:

1. Online manual: Visit the LG website at: http://gscs-manual.lge.com/Total/HQ/GatewayPage/main.html or scan the QR code above; or
2. Printable PDF manual: Visit lg.com and search for your model number; or
3. Call or write to customer service as provided in your Limited Warranty.

ENGLISH

LDFC242**

MFL69261758
Rev.00_090723

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. For safety reasons, the drain pump operates if the door is opened, resulting in a longer cycle time.
- 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.

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.
- This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug.
- The plug must be plugged into an appropriate outlet that is installed and grounded in accordance with all local codes and ordinances.

WARNING
Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly grounded. Do not modify the plug provided with the appliance, if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

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 38 mm (1.5 in);

  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.

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.

SAVE THESE INSTRUCTIONS

PRODUCT OVERVIEW

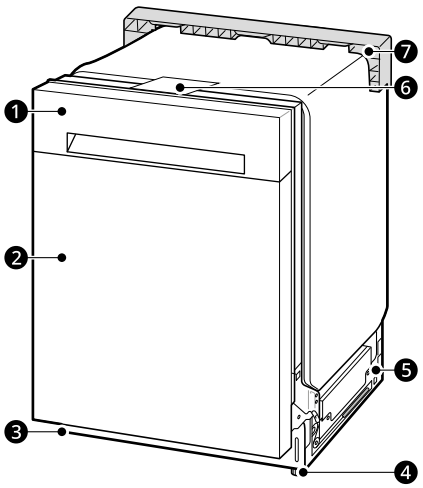
Product Features

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

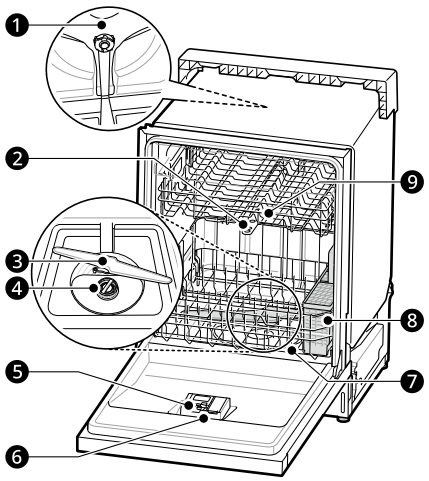
- For your safety and for extended product life, use only authorized components. The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased unauthorized components or parts.
- Do not remove the safety cover at any time.
- To ensure reliability, 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 & Door Handle
2. Front Cover
3. Lower Cover
4. Leveling Feet
5. Base
6. Safety Cover
7. Shipping Brace

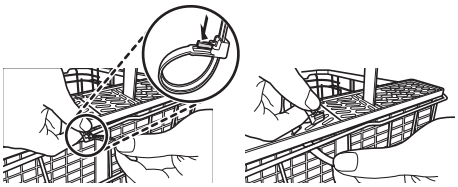
Interior View



1. Top Wash Impeller
2. Upper Spray Arm
3. Lower Spray Arm
4. Filtration System
5. Detergent and Rinse Aid Dispenser
6. Drying Vent Cover
7. Lower Rack
8. Silverware Basket
9. Upper Rack

NOTE

- The silverware basket ships installed at the back of the bottom rack. For best performance, install it along the right side.
- 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 Installation Brackets (2 ea)

❷ Wood Screws (4 ea)

❸ Hose Clamp

NOTE

- Accessories are inside the silverware basket.

Product Specifications

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

Model	LDFC242**
Electrical Requirements	120 V, 60 Hz AC only, 15 A circuit breaker
Water Pressure	20 psi - 80 psi (140 kPa - 550 kPa)
Dimensions (Width X Height X Depth)	23 3/4” X 33 5/8” X 24 5/8” (603 mm X 854 mm X 625 mm)
Inlet Water Temperature	120 ℉ - 149 ℉ (49 ℃ - 65 ℃)

Model	LDFC242**
Net Weight	70 lbs. (32 kg)

INSTALLATION

Before Installing

Online Installation Guide

This QR code is for reference only. For complete installation instructions, see the owner's manual supplied with each dishwasher.

English

https://www.lg.com/us/support/video-tutorials/lg-dishwasher-installation-CT10000009-1366643457088

French

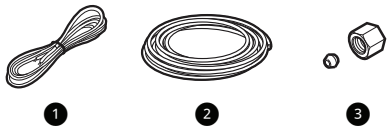
https://www.lg.com/ca_fr/soutien/aide-produit/CT20100059-20152463332979

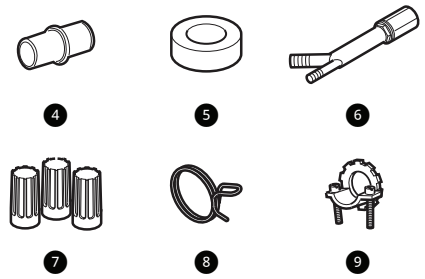
⚠ WARNING

- DISCLAIMER - This Guide is strictly confidential and shall not be copied, disclosed, distributed, disseminated, publicized or reproduced, in whole or in part, without the prior written authorization of LG Electronics.

  The Guide may contain inaccuracies and/or typographical errors and may be changed or updated at any time by LGE without notice.

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

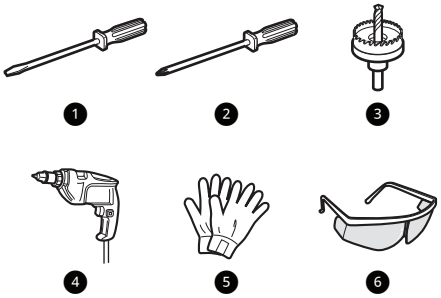
❽ Hose Clamp

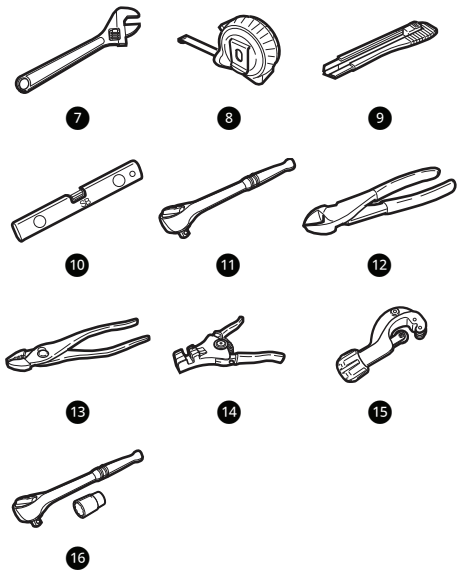
❾ 3/8″ UL Approved Strain Relief

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

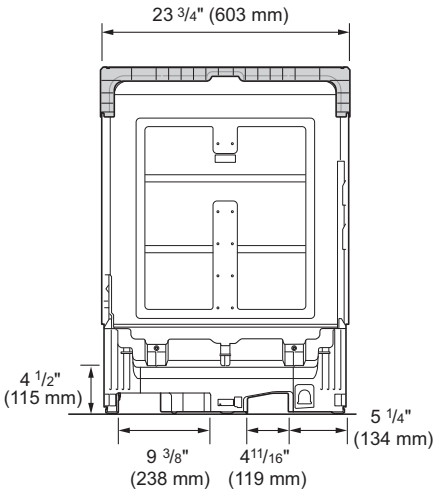
❼ Leveling Dishwasher

❽ Securing Dishwasher in Cabinet Opening

❾ Final Installation Check

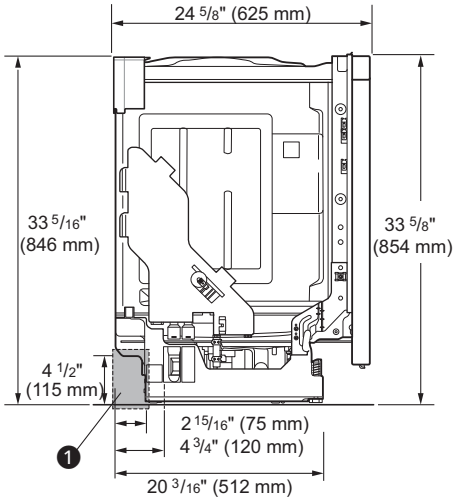
Product Dimensions

Back View



Side View

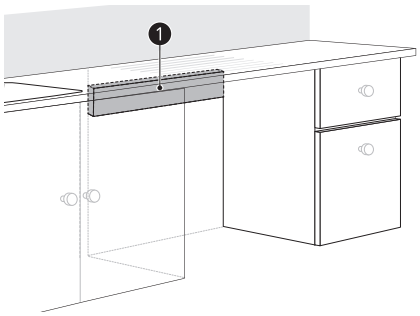
For easiest installation, see marked areas ❶ for water and electrical clearances in base of dishwasher. Water supply hose, drain hose and electric cable should be passed through this area.



Preparing Cabinet Opening

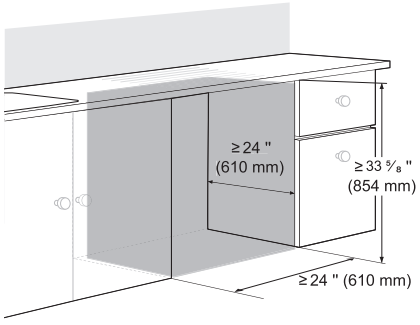
This dishwasher is designed to fit a standard dishwasher opening. An opening may be needed on both sides to route plumbing and electrical connections.

- 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.

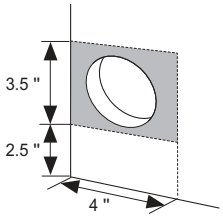


Choosing the Proper Location

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

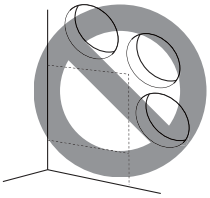


2 To allow for proper clearance of plumbing and electrical, use the template included with the literature to determine the clearance on the side of the cabinet where the cabinet meets the back wall. Using a 2 1/2” diameter hole saw, drill a hole in the target area as shown on the template.



⚠ 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.



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 included 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.

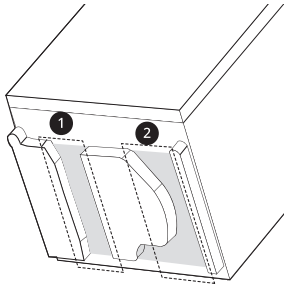
⚠ CAUTION

- 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 20 psi and 80 psi (140–550 kPa). If the water supply pressure exceeds 80 psi, a pressure reducing valve must be installed. Otherwise premature failure of the inlet valve may occur.

Routing Water Supply Line and Electrical Wiring

There are 2 channels in the bottom of the dishwasher for routing the water and electrical connections.

- As shown in the bottom view below, channel ❶ is for the water supply line, and channel ❷ is for the electrical cable.

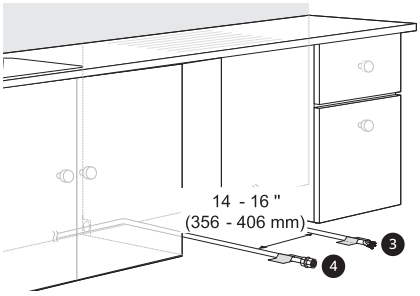


1 Turn off the house water supply and the circuit breaker or dedicated power before connecting the dishwasher.

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 ❸ along the floor 14" – 16" (356 mm – 406 mm) from the water supply line ❹ and tape it in place.

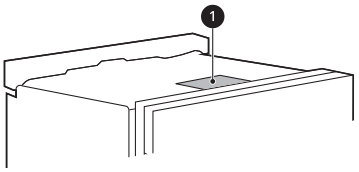
- The electrical outlet must be within 4 ft. (1.22 m) of either side of the dishwasher.
- The best location for the electrical conduit is on the right side of the back wall. Re-route the electrical cable before installation if the electrical conduit pipe is longer than 3" (76 mm) and is centered on the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



Preparing Dishwasher

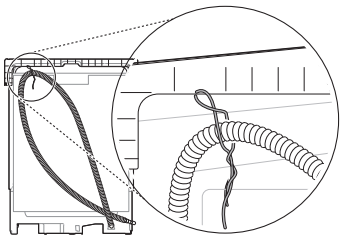
⚠ WARNING

- Do not remove safety cover ❶. Removal can result in fire, electric shock or death.



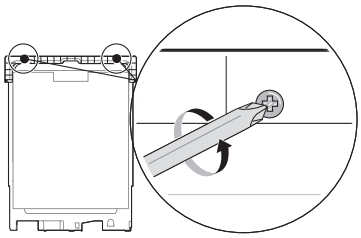
Releasing Drain Hose

Remove the twist tie holding the drain hose to the back of the shipping brace.



Removable Shipping Brace

The rear shipping brace can be removed if additional clearance is needed when installing the dishwasher under a low countertop.

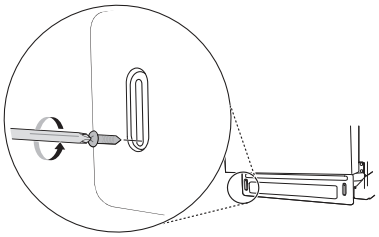


Removing Lower Cover

⚠ 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.

Attaching Installation Brackets

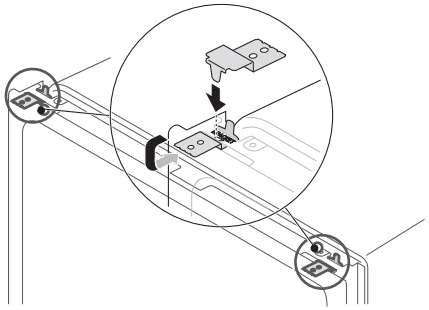
For countertops made of wood or other materials that will not be damaged by drilling, use the metal installation brackets provided.

For countertops made of granite, marble, or other materials that could be damaged by drilling, use the wood screws to attach the dishwasher to the cabinet. See installation instructions in **Securing Dishwasher to Cabinet Opening**.

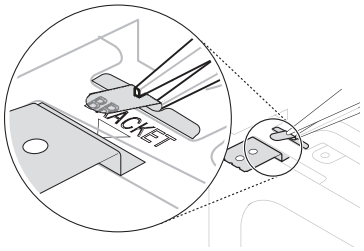
NOTE

- Installation brackets and screws can be found in the silverware basket.

1 Insert the tabbed end of the installation brackets into the slots in the upper frame. Rotate the brackets until the tabbed ends are facing up.



2 Bend the tabs on the brackets to secure them to the frame using a pair of needle nose pliers.

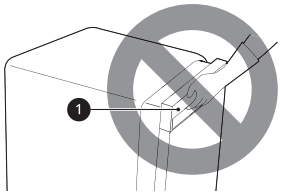


Sliding Dishwasher into Cabinet Opening

How to Slide Dishwasher

⚠ CAUTION

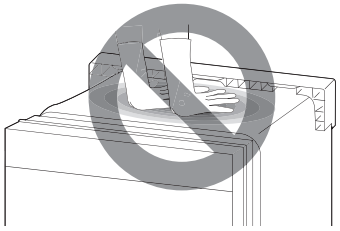
- Do not pull or lift the dishwasher using the handle ❶. Doing so can damage the door and hinges.



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

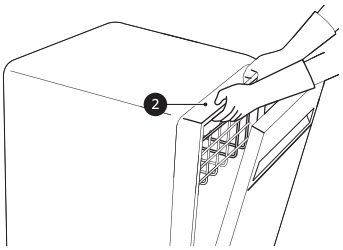


- Do not push the top of the dishwasher. Doing so can damage the interior of the dishwasher.

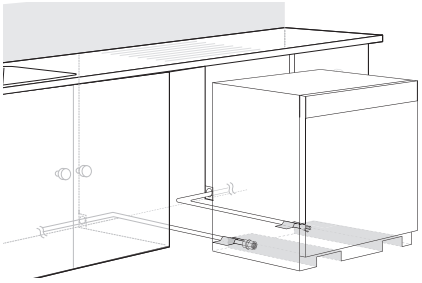


NOTE

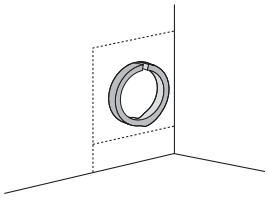
- Open the door and grab the body frame and the top front opening ❷ of the tub to move or lift the dishwasher.



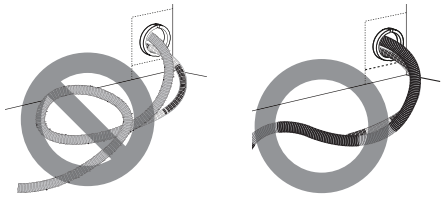
1 Align the dishwasher with the opening. Make sure the water supply line and electrical cable are in the correct positions to slide into their channels properly.



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.

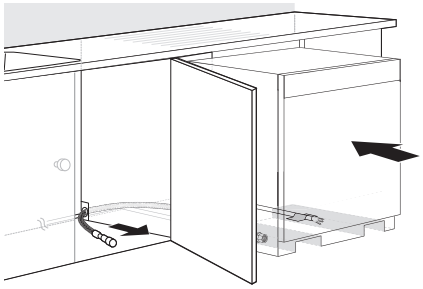


4 Gradually slide the dishwasher into the opening, making sure that the water supply line and electrical cable are passing freely through the channels and do not get caught under the dishwasher.

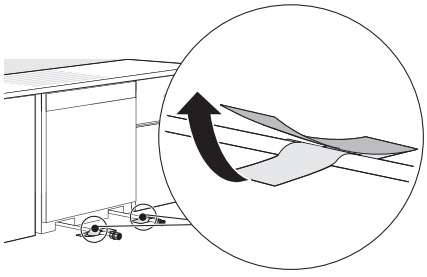
⚠ CAUTION

- 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.

  - 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.

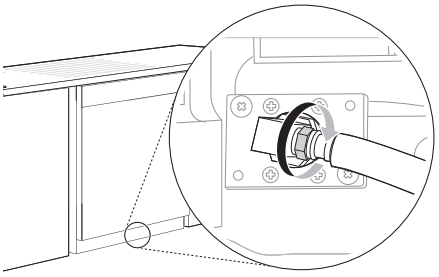
Connecting Water Supply Line

1 With the home water supply turned off, connect the water supply line to the inlet valve on the left front of the dishwasher.

⚠ CAUTION

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

2 Tighten the compression nut.



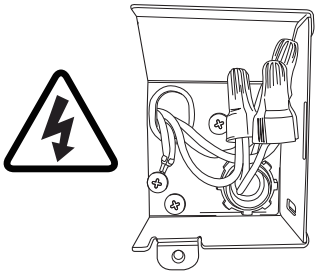
3 Slide the water supply line back through the channel, pulling gently from inside the cabinet to make sure the line is not kinked, pinched, stressed or crushed.

Connecting Power

The dishwasher should have a dedicated properly grounded branch circuit to connect the 3 wire setup which includes the 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.

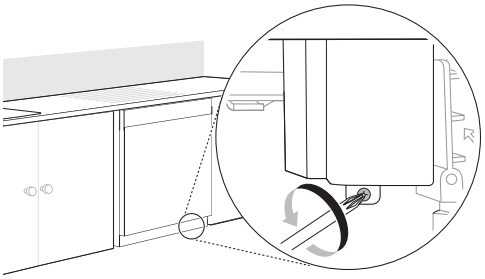


NOTE

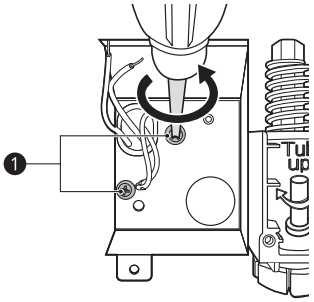
- The best location for the electrical conduit is on the right side of the back wall. Re-route the electrical cable before installation if the electrical conduit pipe is longer than 3" (76 mm) and is centered on the back wall.

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

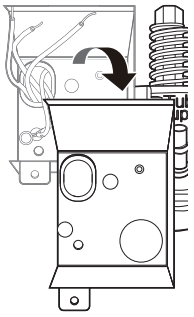
2 Use a Phillips screwdriver to remove the screw from the junction box cover and remove the cover.



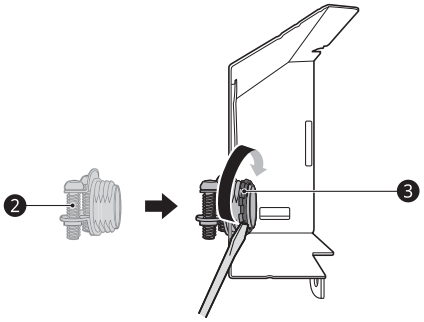
3 Use a Phillips screwdriver to remove 2 screws ❶.



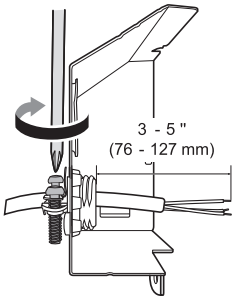
4 Remove the junction box from the appliance.



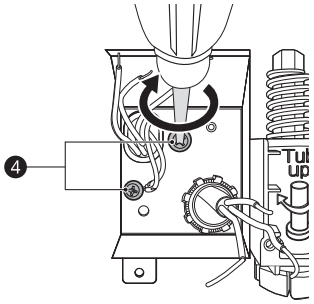
5 Insert a 3/8" strain relief ❷ through the hole in the junction box. Tighten the ring nut ❸ to secure it in place.



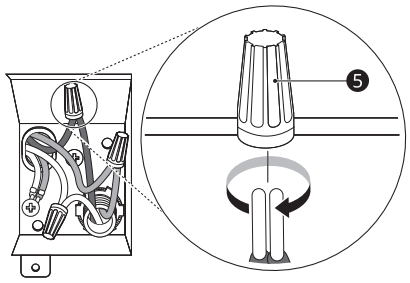
6 Insert the electrical cable through the hole in the strain relief. Tighten 2 screws to secure the cable.



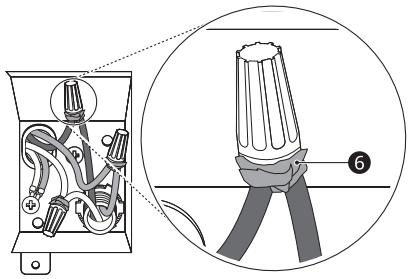
7 Pull the existing wires through the openings in the junction box. Tighten 2 screws ❹ to reassemble the junction box in the appliance.



8 Pair the white, black, and green wires to the matching colored wires from the dishwasher. Then twist on the provided 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.

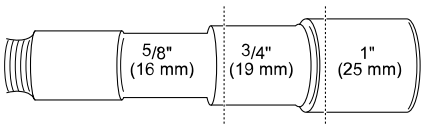
⚠ CAUTION

- 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.

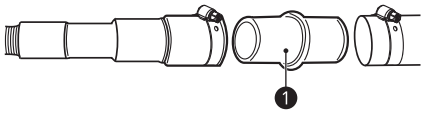


NOTE

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

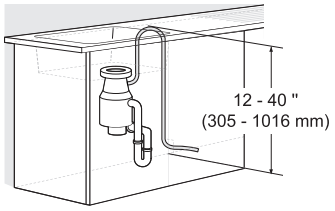
Drain Hose Requirements

- 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, 2-3 ft. length hose and a coupler ❶ for connecting the two hose ends.



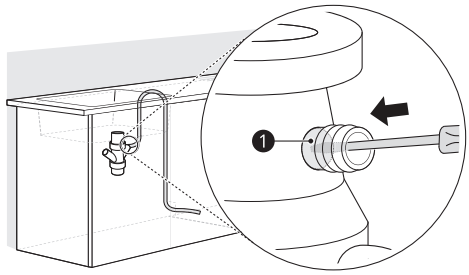
Height of the Drain Hose

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

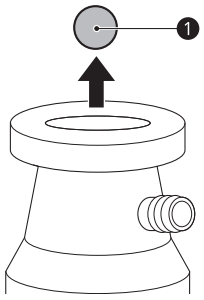
1 Remove the knockout plug on the disposal with a hammer and screwdriver.



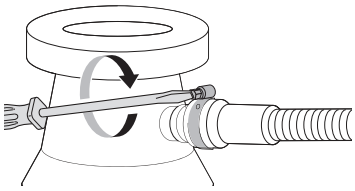
2 Remove the knockout plug ❶ from the disposal.

⚠ 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 provided. Move the hose clamp into position and tighten it with a flat-blade screwdriver.



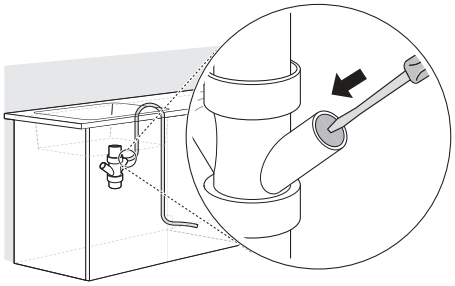
Connecting Waste Tee without Air Gap

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.

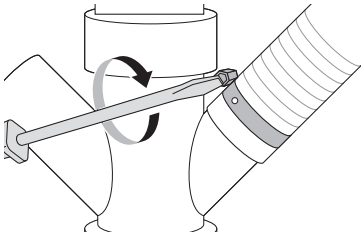
1 Remove the knockout plug with a hammer and screwdriver.

⚠ 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 provided. Move the clamp into position and tighten it with a flat-blade screwdriver.

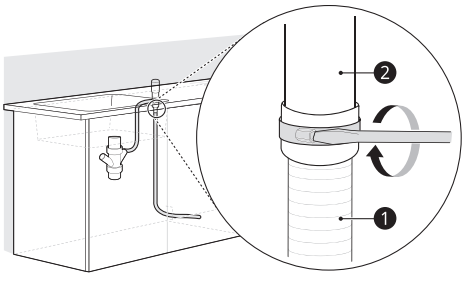


Connecting to Disposal or Waste Tee with Air Gap

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 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

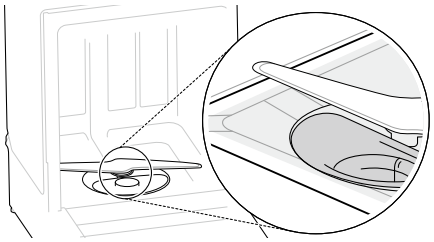
Check that the dishwasher is level and adjust the leveling feet if necessary.

⚠ 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. Failure to do so can result in leaks from the front of the dishwasher, AE errors, difficulty in closing the door, or failure to operate.

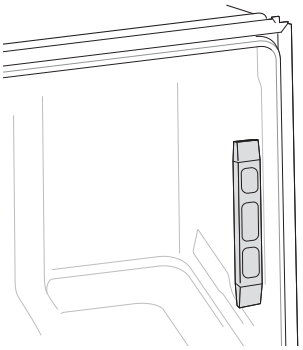
Checking Leveling

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.

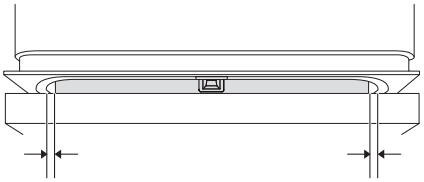


With the lower rack removed, place a level on the inside wall of the tub to check that the dishwasher is level from side to side.

- 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

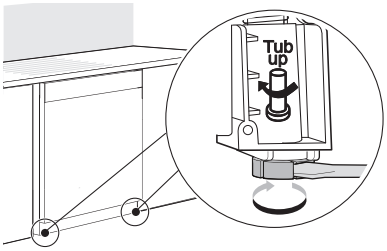
Adjust as needed until the dishwasher is completely leveled.

- 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

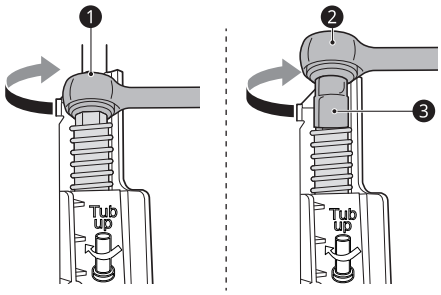
Use a flat-blade screwdriver to turn the front leveling feet and adjust the front of the tub.

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



- The adjustments work identically for both front leveling feet.
- When a flat-blade screwdriver is unavailable, use a 1/4" square drive wrench ❶ or 3/8" square

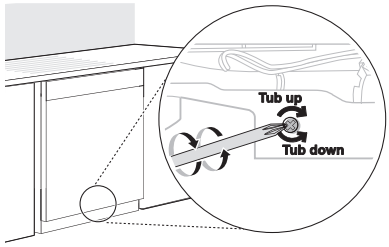
drive wrench ❷ with 1/2" socket ❸ to turn the front leveling feet and adjust the front of the tub.



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

There are 2 options for securing the dishwasher. If the countertop is made of wood or a material that can safely be drilled into, secure the dishwasher to the countertop with the provided brackets. If the countertop is granite, marble, or a material that cannot be drilled into, secure the dishwasher to the cabinet frame with the provided wood screws.

⚠ CAUTION

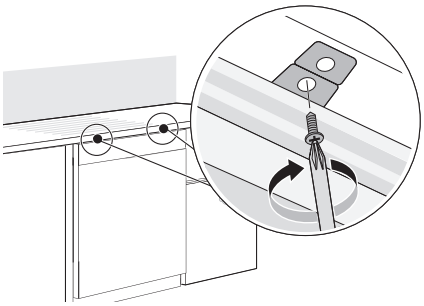
- Ensure the dishwasher is level and all leveling feet are in firm contact with the floor before attaching the dishwasher to the countertop or cabinet. If the dishwasher is not leveled properly, the door may not close properly or water may leak.

NOTE

- Installation brackets and screws can be found in the silverware basket.
- Use a magnetic screwdriver.
- Cover the filter hole with towels to prevent screws from falling down into the pump.

Securing Dishwasher to Countertop

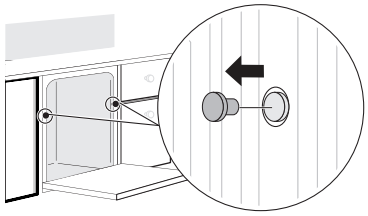
Use the bracket screws provided to secure the brackets at the top of the dishwasher to the underside of the wood countertop.



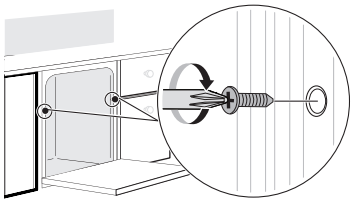
Securing Dishwasher to Cabinet Frame

If desired, the dishwasher can also be secured to the cabinet frame using the instructions which follow.

1 Remove the 2 plastic caps from the mounting bracket access holes.



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



3 Reinstall the plastic caps.

Final Installation Check

Testing the Dishwasher

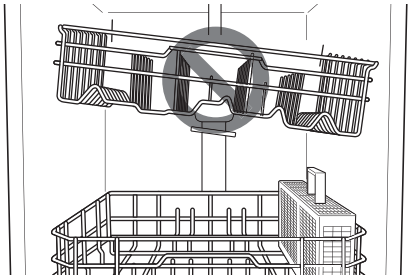
Check if the dishwasher is properly installed.

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.
- If the door will not close, make sure the rack is level.



- Make sure that all packaging materials have been removed.

4 Power on the dishwasher and run a **Turbo** cycle to verify proper operation.

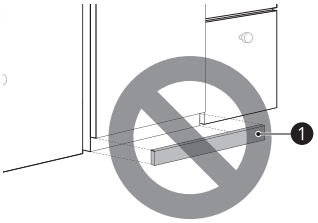
5 Check for leaks at the drain hose and water supply connection.

6 If a water leak is detected, 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 Replace the lower cover.

⚠ CAUTION

- Only install the lower cover provided with the dishwasher. Do not install cabinet baseboard ❶ as it may cause noise and leakage.



8 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
OE	**Drain hose is kinked or pinched.** • Feed the drain and water supply hoses through the hole under the sink. Then gradually slide the dishwasher into the cabinet while pulling on the hoses under the sink to take up any slack. This helps avoid kinking the hoses or trapping them beneath the dishwasher. **Drain hose is connected to the disposal without removing the knockout plug.** • Remove the knockout plug from the disposal. **Waste tee or disposal is clogged.** • Remove knockout plug on the waste tee or disposal.

Error Code	Possible Cause and Solution
iE	**Water supply line is kinked under dishwasher.** • Feed the drain and water supply hoses through the hole under the sink. Then gradually slide the dishwasher into the cabinet while pulling on the hoses under the sink to take up any slack. This helps avoid kinking the hoses or trapping them beneath the dishwasher. **House water supply is not turned on.** • Turn the water faucet on.

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.
2) Add the detergent.
3) Turn on the dishwasher.
4) Check the rinse aid.
5) Select the cycle and options.
6) Operate the dishwasher.
   - **Method 1**
     - 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 white LED with time flashes, an audible tone is heard, and the cycle does not start.
   - **Method 2**
     - Close the door first and then press the **Start** button to operate the dishwasher.

NOTE

- If the door is opened during the cycle, the dishwasher will stop. To resume the cycle, see methods 1 and 2 above.
- 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, the white LED with time flashes, 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 End until the door is opened or **Power** is pressed. To save energy, press and hold **Extra Dry** and **Night Dry** simultaneously for three seconds to set the End display to automatically turn off a few minutes after the cycle ends.
   - It is normal for the dishwasher to chime continuously if you open it during operation or just after the cycle ends. 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.

For more details, refer to the online owner's manual.

⚠ CAUTION

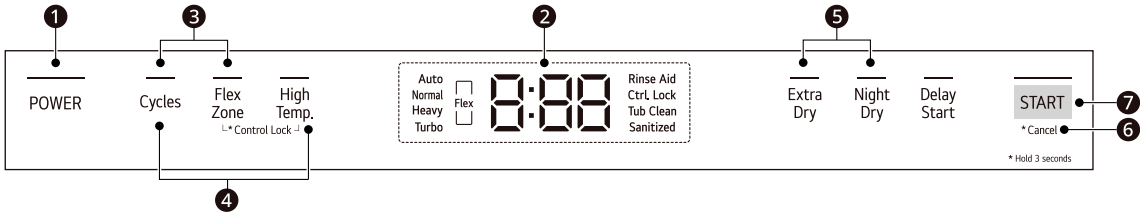
- Do not open the door during operation or immediately after it has completed the wash cycle as the escaping steam may cause scalding as the door is opened.

Auto-Off

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

Control Panel

Control Panel Features



❶ Power On/Off Button

- Press this button to turn the washer on or off.
- 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.

NOTE

- When opening or closing the product door, keep fingers and hands away from the control panel to avoid activating buttons.

❷ Display

- **Rinse Aid**
  - This LED illuminates 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.
  - Refer to the **Rinse Aid Dispenser Adjustment** section.
- 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.

- **Ctrl. Lock**, CL : **Control Lock**
  - The **Control Lock** feature helps prevent settings from being changed during a cycle. Selecting this feature locks all of the buttons, except for the **Power** button, on the control panel. This feature does not lock the door.
  - While a cycle is running, press and hold **Flex Zone** and **High Temp.** simultaneously for three seconds to activate or deactivate **Control Lock**.
  - To start a new cycle, deactivate **Control Lock**.
- **Tub Clean**
  - The **Tub Clean** LED flashes every 30 cycles. To activate or deactivate the LED, press and hold the **Cycles** and **High Temp.** buttons for three seconds.
  - Select the **Auto** cycle and follow the instructions in the Maintenance section to clean the tub.
- **Sanitized**
  - If the **High Temp.** option is added to a cycle, the **Sanitized** LED stays lit at the end of the cycle if the dishes were properly sanitized.

❸ Chime On/Off Button

- To activate or deactivate the button sounds, press and hold **Cycles** and **Flex Zone** simultaneously for three seconds. The error alert sound cannot be turned off.

❹ Tub Clean Reminder On/Off Button

- To activate or deactivate the **Tub Clean** Reminder, press and hold **Cycles** and **High Temp.** simultaneously for three seconds. Please refer to the **Tub Clean** LED description under Display ❷.

❺ End Notification On/Off Button

- To activate or deactivate the End Notification, press and hold **Extra Dry** and **Night Dry** simultaneously for three seconds. Turn the notification ON to display End at the end of the cycle until you press **Power** or open the door. Turn the notification OFF to turn the machine off 30 seconds after the end of the cycle.

❻ Cancel Button

- The drain pump activates and the cycle cancels. Once the dishwasher finishes draining, the power turns off.
- Press and hold **Start** for three seconds to activate.

❼ Start Button

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

Wash Cycles

Select your desired cycle.

Selecting the Cycle

The default cycle is **Auto**. You can also customize these settings using the **Cycles** button.

- Press the **Cycles** button repeatedly to select the **Normal**, **Heavy**, or **Turbo** cycle.

Auto

This cycle senses the soil amount and soil toughness and is optimized to achieve the best cleaning.

Normal

This cycle is 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. Select the **Night Dry** option if leaving dishes overnight.

- After the cycle ends, the fan runs for an hour to help vent the warm, moist air in the tub. You can stop the fan by opening the door after the cycle ends.

Heavy

This cycle is for heavily soiled dishes and dishes with hardened on soil. This cycle defaults to the strongest spray intensity and uses it to wash heavily soiled dishes.

Turbo

This cycle will clean heavily soiled dishes in an hour using slightly more energy and water.

- This cycle does not have drying. Select the **Extra Dry** and **Night Dry** option or another cycle for better drying.

Options and Extra Functions

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

Using the Flexible Zone

This option adjusts the wash intensity to target different zones inside the dishwasher. Set it to wash just the upper rack or lower rack, or set the intensity to soft for the upper spray arm and strong for the lower spray arm.

The **Flex Zone** is off by default. Press the **Flex Zone** button to customize settings.

- Press the **Flex Zone** button repeatedly to select the 4 modes for cleaning the dishes.

Mode	Description
	Small loads & light soil • Use just the upper rack to save energy and time.
	Small loads & heavy soil • Use just the lower rack to save energy and time.
Flex	Small loads & heavy soil & light/sensitive dishes • Focus on lower rack, but also operate lightly to wash some light or sensitive dishes in the upper rack.
Flex	Various conditions • Place heavily soiled dishes like plates and bowls in the lower rack and lightly soiled dishes like cups and small plates in the upper rack to get the best results.

High Temp.

Raises the main wash temperature to improve cleaning.

If the **High Temp.** option is added to a cycle, the **Sanitized** LED stays lit at the end of the cycle if the dishes were properly sanitized. If the dishwasher could not properly sanitize the dishes because the **High Temp.** option was not selected, the cycle was interrupted or the water could not be heated to the required temperature, the indicator will not light up at the end of the cycle. Open and close the door or press **POWER** to turn the indicator off.

NOTE

- This high temperature rinse sanitizes dishes and glassware in accordance with the NSF/ANSI Standard 184 for residential dishwashers. Certified residential dishwashers are not intended for use in licensed food establishments. Only sanitizing cycles have been designed to meet the requirements for soil removal and sanitization efficacy. There is no intention, either directly or indirectly, that all cycles on a certified machine have passed the sanitization performance test.

Extra Dry

Select the **Extra Dry** option for better drying performance. This option adds extra drying time to the cycle and raises the heated rinse temperature.

- When the rinse aid is empty, the **Extra Dry** option is selected automatically.

Night Dry

Dishes are often left in the dishwasher overnight after the cycle ends. This can result in the steam inside the tub condensing on dishes, leaving them wet. This option runs the ventilation fan periodically to help vent the steam from the tub.

- The **Night Dry** option is selected by default for all cycles for which it is available, except the **Normal** 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 12 hours, in one-hour increments.

Cycle/Option Guide

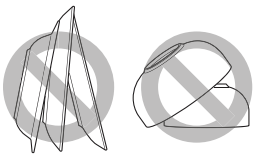
The cycle guide shows the available options for each cycle.

To see the Cycle/Option Guide, refer to the online owner's manual.

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

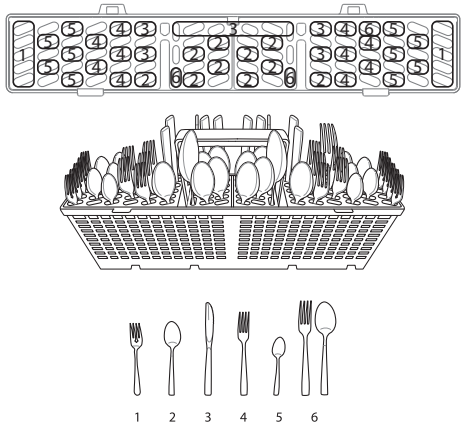
- Do not place pots or pans with plastic handles in the appliance as the handles may deteriorate due to the heat and detergent.
- Waterproof or long-lasting lipstick smudges on glasses may not be removed during the wash.

Loading the Silverware Basket

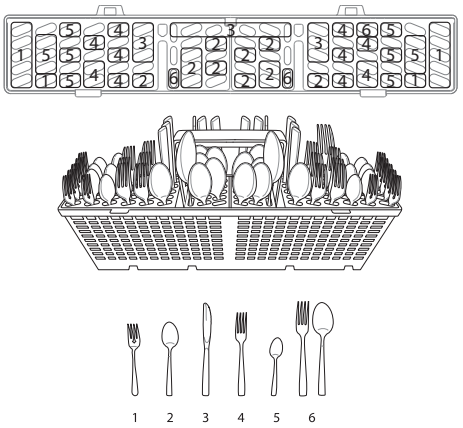
The silverware basket has separators to avoid scratching and tarnishing of delicate silverware.

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.

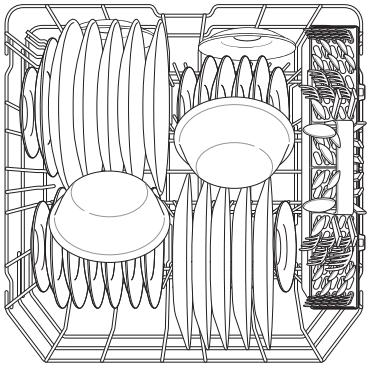
⚠ WARNING

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

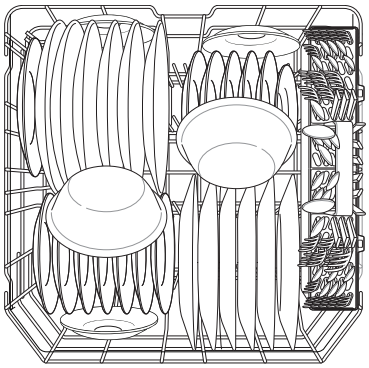
Loading the Lower Rack

Loading Dishes into the Lower Rack

Loading 10 Place Settings



Loading 12 Place Settings



Lower Rack Loading Tips:

For details, refer to the online owner's manual.

Folding Down the Lower Tines

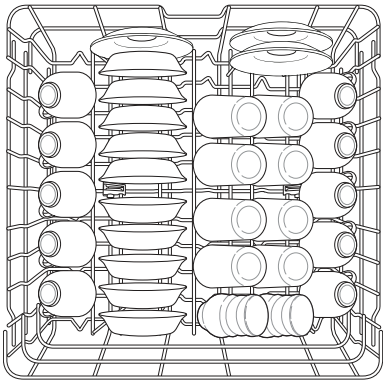
Fold tines down to fit larger dishes; pull tines back up to fit smaller dishes.

For more details, refer to the online owner's manual.

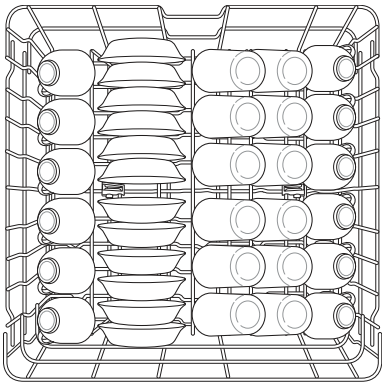
Loading the Upper Rack

Loading Dishes into the Upper Rack

Loading 10 Place Settings



Loading 12 Place Settings



Upper Rack Loading Tips:

For details, refer to the online owner's manual.

Folding Down the Upper Tines

Fold tines down to fit larger dishes; pull tines back up to fit smaller dishes.

For more details, refer to the online owner's manual.

Height Adjustable Upper Rack

To accommodate larger items, the upper rack can be adjusted up or down using the buttons on the left and right sides. The dishwasher ships with the upper rack raised.

For more details, refer to the online owner's manual.

⚠ WARNING

- Before adjusting, ensure the rack is empty of all dishes. Otherwise dishes may get damaged or you may get injured.

Adding Cleaning Products

Adding Detergent to the Dispenser

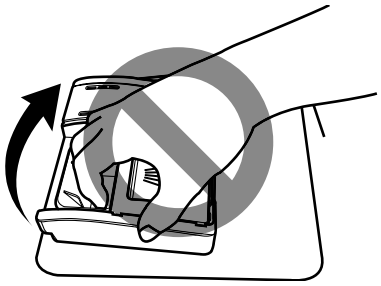
- Remove the label on the dispenser prior to running the dishwasher for the first time.
- The amount of detergent needed depends on the cycle, load size, and soil level of dishes.
- Put detergent into the detergent compartment before starting any cycle, except the **Rinse** cycle.

⚠ 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.



For more details, refer to the online owner's manual.

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.

For more details, refer to the online owner's manual.

Rinse Aid Dispenser Adjustment

The dispenser has five adjustment levels. The dishwasher is programmed at the factory for a rinse aid dispenser level of 2. 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 off.
2. Press **Power** and **Delay Start** simultaneously to check the current setting.
3. Press **Delay Start** to change the rinse aid dispenser setting. Each press of the button changes the setting one step from L0 to L4.
4. 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 L0.

SMART FUNCTIONS

LG ThinQ Application

The **LG ThinQ** application allows you to communicate with the appliance using a smartphone.

LG ThinQ Application Features

- **Smart Diagnosis**
  - This function provides useful information for diagnosing and solving issues with the appliance based on the pattern of use. Select **Smart Diagnosis** in the app and follow the instructions. For additional information, refer to the online owner's manual.

Installing the LG ThinQ Application

Search for the **LG ThinQ** application from the Google Play Store or Apple App Store on a smartphone. Follow instructions to download and install the application.

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.

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.)
- Cleaning the Tub
  - Run the **Auto** 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 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.

3 Press **Cycles** to select the **Auto** cycle.

4 Press **Start**.

NOTE

- Run the **Auto** 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 **Auto** 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.

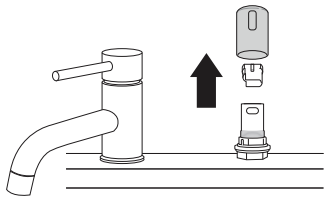
NOTE

- 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.

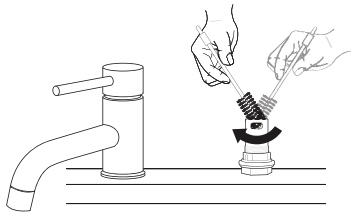
Cleaning the Air Gap

1 Turn off the dishwasher.

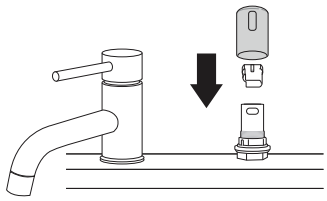
2 Remove the air gap cover and the plastic cap underneath it.



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

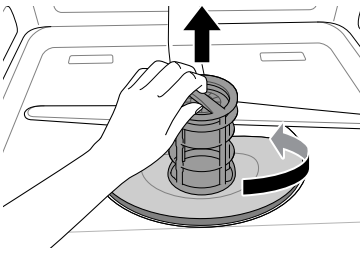
- Remove food residue caught in filters to prevent the buildup of odor-causing bacteria and possible drainage problems.

NOTE

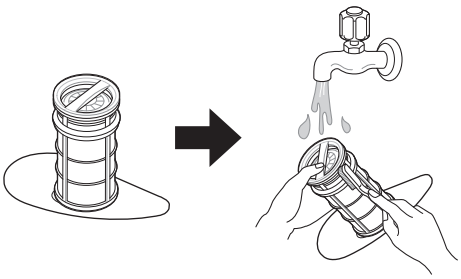
- For best wash performance, clean the filter after each load. If food debris remains in the filter, it may cause an odor.
- In areas with hard water, clean the filter at least once a month with a soft brush.
- Clean the filters using non-abrasive materials and warm running water.

1 Remove the lower rack and position the bottom spray arm so a wider vee is open to the front.

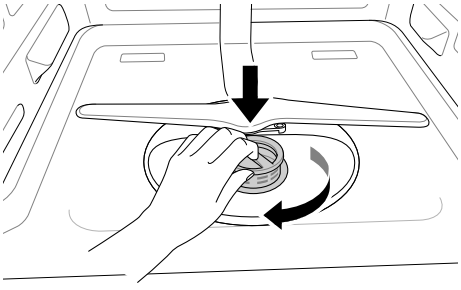
2 Turn the inner filter counter-clockwise and take out the assembled inner filter and stainless steel filter.
With the filters removed, check the sump opening and remove any foreign materials, if needed.



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

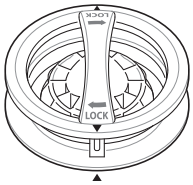


4 To replace the assembled filters, position the spray arm so the wider vee is toward the front. Fit the filters back into the filter holder and secure them by turning the inner filter clockwise until it clicks into place.



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

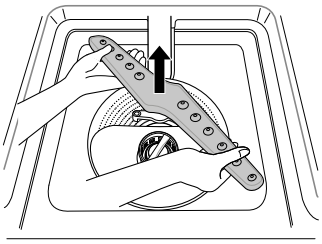
Cleaning the Spray Arm

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.

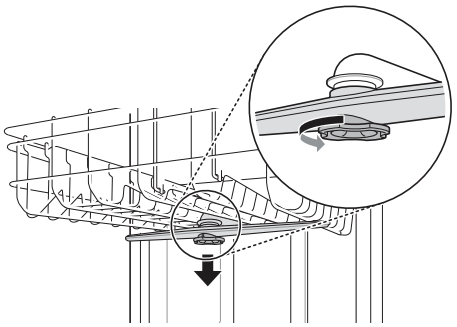
Cleaning the Lower Spray Arm

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.

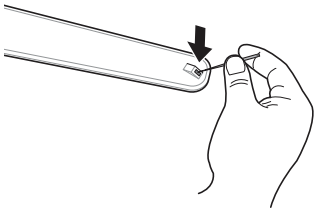


Cleaning the Upper Spray Arm

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 1/8 turn counter-clockwise and pulling down.

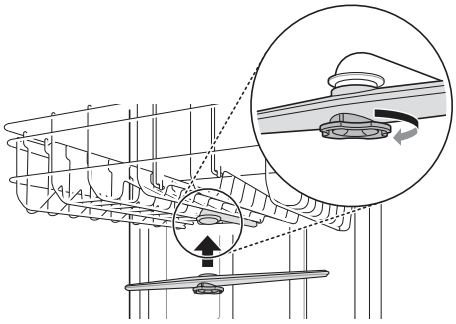


3. Remove food particles by rinsing or shaking the spray arm.
4. If any food residue blocks the spray arm holes, remove it with a pin or any sharp tool.



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 1/8 turn 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

For more troubleshooting, refer to the online owner's manual.

User Support Videos

For further assistance, there are videos and tutorials available through the LG.com website.

1 On the www.lg.com home page, click on the **Support** menu tab to bring up the menu selections. Select **Video Tutorials**.

2 Select a product category and then pick a topic or search a keyword.

NOTE

- Scan this QR code to quickly access the video search page on the LG website.

Error Messages

Problem	Possible Cause & Solution
IE	**Water inlet problem.** • Check for a clogged, kinked or frozen water inlet hose. • Check water supply.
OE	**Drainage Problem.** • Check for a clogged, kinked or frozen water drain hose.
	Air gap or disposal is clogged. • Clean air gap or disposal.
	Filters are clogged. • Clean filters.

Problem	Possible Cause & Solution
bE	**Oversudsing caused by improper detergent, such as liquid dish soap.** • Do not use hand dishwashing liquids. Only use detergents which are designed for use in automatic dishwashers. • A bE error can appear if dishes soiled with a lot of foamy food, such as whipped cream, are loaded in the appliance. To clear the error, turn the appliance off and start a new cycle. • To remove detergent residue in the tub, pour approximately 4 oz ~ 8 oz (100 ml ~ 200 ml) of milk into a shallow bowl, place it in the upper rack and then run the appliance on the **Auto** cycle.
	Failure to level dishwasher. • Make sure that the appliance is properly leveled.
AE	**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.) or 1-888-542-2623 (Canada). • The dishwasher makes an alert sound for 10 seconds, and runs the drain pump intermittently. If power is turned off to the machine, the machine powers back on automatically until the AE error is resolved.
FE	**Excessive Water supplied.** • Please call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A.) 1-888-542-2623 (Canada).
HE	**Heater circuit failure.** • Please call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A.) 1-888-542-2623 (Canada).
tE	**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).
LE	**Wash motor error** • Please call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A.) 1-888-542-2623 (Canada).
nE	**Vario motor error** • Please call an LG Electronics Customer Information Center at 1-800-243-0000 (U.S.A.) 1-888-542-2623 (Canada).
n:#, U:#, d:#, t# **(# is a number.)**	**Test mode is selected.** • This is not an error code. This code is used when testing the dishwasher. Power the unit off and on and the code will disappear.
L0, L 1, L2, L3, L4	**Rinse aid level setting mode is selected.** • This is not an error code. This code indicates the current rinse aid level. For more information, refer to the **Adding Cleaning Products** section.
CL	**Control Lock is activated.** • This is not an error code. This code indicates that the control lock is activated. Press and hold **Flex Zone** and **High Temp.** buttons simultaneously for three seconds.

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	Labor / Parts	LG will also provide, free of charge, all labor and on-site service to replace the defective part.
Two (2) years from date of original retail purchase	Main control board† / Racks / Stainless Steel Door Liner / Tub	Main control board, dishwasher racks, stainless steel door liner, tub. Customer will be responsible for any labor or in-home service to replace defective parts.
Ten (10) years from date of original retail purchase	Direct Drive Motor	Direct Drive motor. Customer will be responsible for any labor or in-home service to replace defective parts.

† Main control board is located on the bottom right of the dishwasher when viewed from the front.

- 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 or industrial use) or 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.

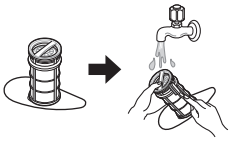
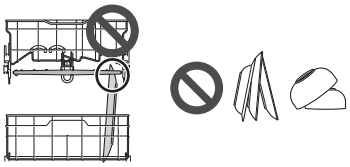
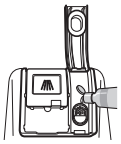
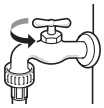
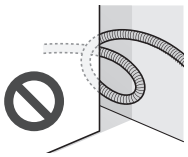
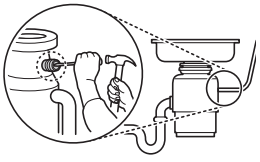
Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than $25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. 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.

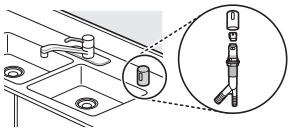
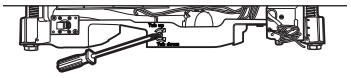
Hearings and Location. If your claim is for $25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds $25,000, 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/repair-service/schedule-repair-continued and clicking on "Find My Model & Serial 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.

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. IE error		Check and turn on the water tap.
Water is not supplied because the inlet hose is kinked. IE error		Reinstall the inlet hose.
Not draining because drain hose is kinked. OE error		Reinstall the drain hose.
The knockout plug in the garbage disposal is not removed. OE error		Remove the plug on the disposal.

The disposal or air gap is blocked by debris. OE error		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.



LG Customer Information Center

For inquiries or comments,
visit **www.lg.com** or call:

1-800-243-0000 U.S.A.

1-888-542-2623 CANADA

Register your product Online!

www.lg.com