

CLEANING · DISHWASHERS

TOP CONTROL DISHWASHER

Before using your new product, please read these instructions to prevent any damage.

MODEL DWM-24



APPLIANCE SHOWROOM

WWW.INDUCTIONHARDWARE.COM
12920 OLD VIRGINIA ROAD, SUITE 160
RENO, NEVADA 89521, USA

CONTACT

(775) 898-7562
INFO@INDUCTIONHARDWARE.COM

RECORD HERE

MODEL & SERIAL

Everything in its place.

Thank you for purchasing your dishwasher. This manual contains important information regarding the proper installation, use, and maintenance of your dishwasher. Following this manual will ensure that your product will work at its peak performance and efficiency. **Induction technology is the future of cooking.**

TABLE OF CONTENTS

Important Safety Instructions	3
Basic Precautions Before Use	4
Package Contents	4
Main Components	5
Installing and Setting Up Your Dishwasher	6
Understanding Your Dishwasher's Features	6
Installation · Before You Begin	7
Enclosure and Clearance Requirements	8
Drain Preparation · Air Gap Methods	9
Electrical Requirements · Cabinet Prep	10
Hot Water Line · Water Supply Connection	11
Panel Installation · Door Balance	12
Leveling · Connecting Power	13
Positioning · Water Line · Drain Hose	14
Securing to the Countertop · Final Leveling	15
Drain Hose Connection · Final Testing	16
Using the Control Panel · Wash Cycles	17
Controls and Indicators · Options	18
Basic Operation	18
Preparing Dishes · Adjusting the Top Rack	19
Adjusting and Loading the Upper Rack	20
Loading the Top Rack and Bottom Rack	21
Silverware Basket · Adding a Dish	22
Filling the Detergent Dispenser	23
Rinse Aid	24
Factors Affecting Performance	25
Maintaining Your Dishwasher · Cleaning the Filters	26
Gaskets · Air Gap · Long Periods	27
Troubleshooting · Error Codes	28
Troubleshooting Guide	29
Specifications · For Your Records	30

FOR YOUR RECORDS

Write down the model number and serial number below for future reference. Both numbers are located on the rating label inside the door and are needed to obtain warranty service. You may also want to staple your receipt to this manual — it is the proof of purchase and may be needed for service under warranty.

MODEL NUMBER

SERIAL NUMBER

DATE OF PURCHASE

16

MAX PLACE SETTINGS

6

WASH CYCLES

4

FILTER MESHES

1.7gal

RINSE CYCLE WATER
USE

Important Safety Instructions

CAUTION — RISK OF ELECTRIC SHOCK — DO NOT OPEN

The lightning-flash symbol indicates that dangerous voltage constituting a risk of electric shock is present within your dishwasher. The exclamation-point symbol indicates that there are important operating and maintenance instructions in the literature accompanying your dishwasher.

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

- | | |
|------------------------------------|--|
| 01 Read these instructions. | 05 Clean only with a damp cloth. |
| 02 Keep these instructions. | 06 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. |
| 03 Heed all warnings. | 07 Make sure that the available AC power matches the voltage requirements of this appliance. |
| 04 Follow all instructions. | 08 Refer all servicing to qualified service personnel. |

WARNING Electric shock hazard. Failure to follow these instructions can result in electric shock, fire, or death.

Never allow children to play with, operate, or crawl inside the dishwasher.

Turn off the dishwasher before carrying out user maintenance on it.

If a component part is damaged, it must be replaced by the manufacturer or its service agent to avoid a hazard.

This appliance is intended to be used in household and similar environments.

SAVE THESE INSTRUCTIONS

Basic Precautions Before Use

- 01 Read all instructions before using the dishwasher.
- 02 Use the dishwasher only for its intended function as described in this manual.
- 03 When loading items to be washed, load sharp items and knives with the handles up to reduce the risk of cut-type injury.
- 04 Do not wash plastic items unless they are marked dishwasher safe.
- 05 If the dishwasher drains into a garbage disposal, make sure the disposal is completely empty before running the dishwasher.
- 06 Do not tamper with the controls.
- 07 Do not operate your dishwasher unless all enclosure panels are properly in place.
- 08 Do not touch the heating element during or immediately after use.
- 09 Do not let children abuse, sit, or stand on the door or racks of the dishwasher.
- 10 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.** Open all hot water faucets and let water flow from each for several minutes before use.
- 11 Do not store or use combustible materials, gasoline, or other flammable vapors and liquids near this appliance.
- 12 Use only detergents or rinse agents recommended for use in a dishwasher and keep them out of the reach of children.
- 13 Keep young children and infants away from the dishwasher when it is operating.
- 14 Do not use the dishwasher if it has a damaged power line or plug. Remove the door to the washing compartment when removing an old dishwasher from service or discarding it.

PACKAGE CONTENTS

Dishwasher

Hose

Installation kits

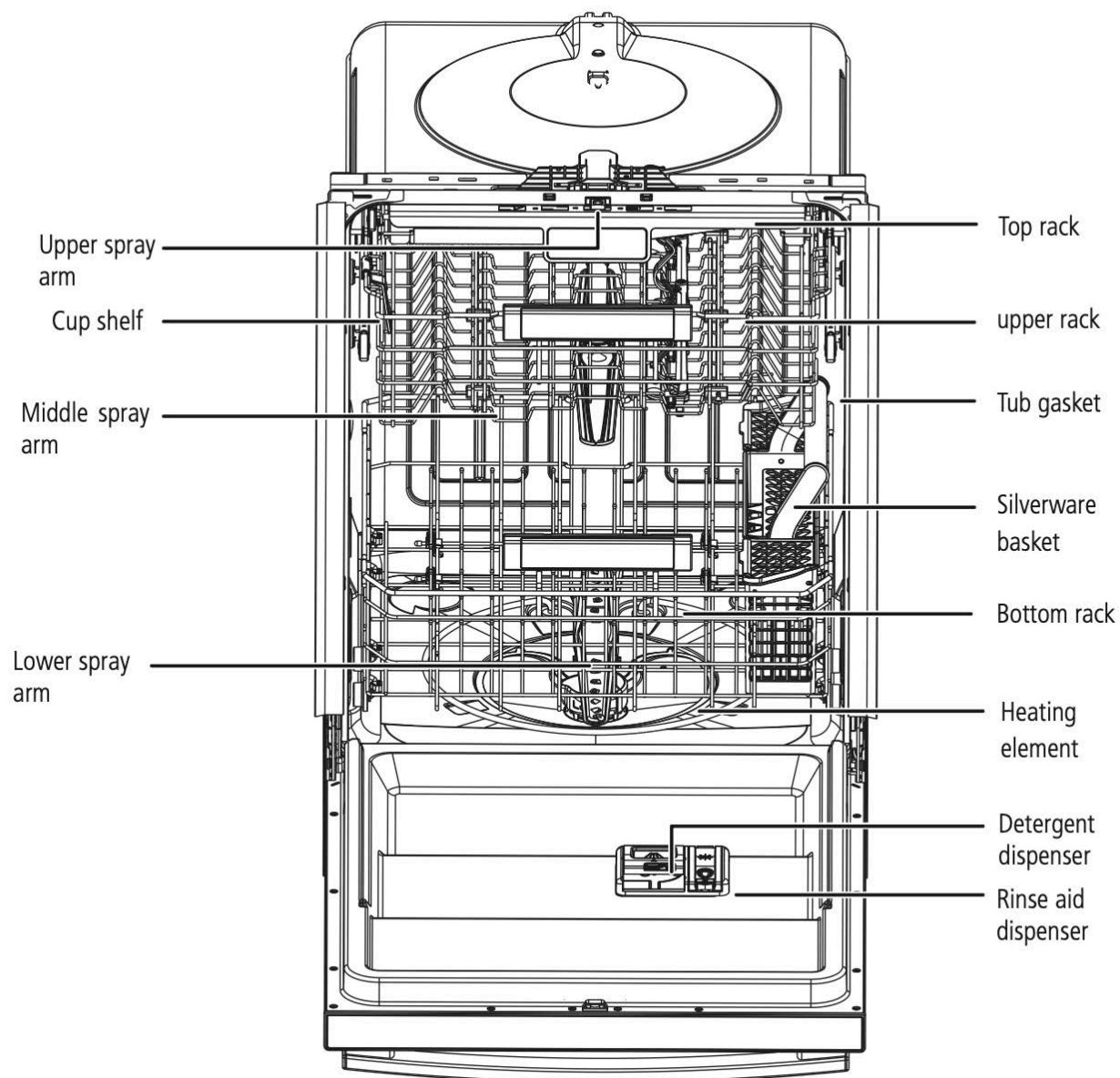
User Guide

Installation Guide



Know your dishwasher.

The DWM-24 Top Control Dishwasher includes the following components.



Installing and setting up.

BEFORE YOU BEGIN

Water supply temperature should be between 120° F and 149° F (49° C and 65° C).

Dispose of the discarded appliance and packing material properly.

The dishwasher must be grounded to reduce the risk of electric shock. Do not attempt to repair or replace any part by yourself.

For full installation information, refer to the Installation Guide provided.

BEFORE USING YOUR DISHWASHER

Remove the interior packing.

Clean the interior surface with lukewarm water using a soft cloth.

FINDING A SUITABLE LOCATION

This dishwasher is designed to be built-in.

The dishwasher door must be able to swing fully open.

PROVIDING A PROPER POWER SUPPLY

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

HOW YOUR DISHWASHER CLEANS

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

WASH CYCLE SELECTIONS

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

FILTER SYSTEM

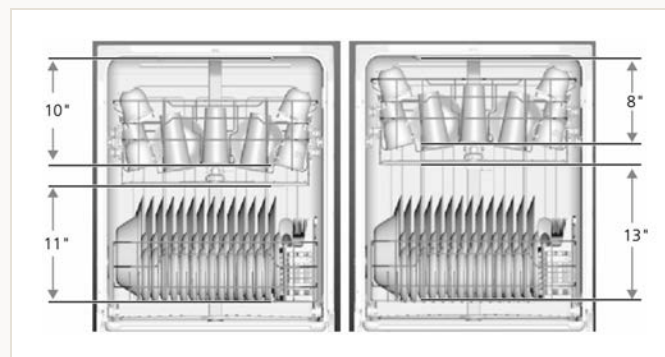
Your dishwasher has a multiple filter system with four separate filter meshes. It separates dirty water and clean water into different chambers, providing better performance with less water and less energy.

SMART WASH SYSTEM

Your dishwasher has a smart wash system under the normal wash program. When a partial load of lightly soiled dishes is placed in the unit, a short wash cycle is automatically selected. When a full load of heavily soiled dishes is placed, a heavy wash cycle is automatically selected.

ADJUSTABLE UPPER RACK

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



Before you begin.

Installation of this dishwasher requires basic mechanical and electrical skills. Proper installation is the responsibility of the installer — product failure due to improper installation is not covered under the appliance warranty. Allow **1–3 hours**; new installations take longer than replacements.

READ FIRST

The dishwasher **MUST** be installed so it can be removed from the enclosure later if service is required.

If you received a damaged dishwasher, call Induction Hardware immediately.

You are responsible for providing adequate electrical, plumbing and drainage facilities.

Wear gloves and safety glasses throughout the installation.

Observe all local governing codes and ordinances.

WARNINGS

WARNING • ELECTRIC SHOCK

To reduce the risk of electrical shock, fire, or injury, the installer must ensure that the dishwasher is completely enclosed at the time of installation. Open the circuit breaker before beginning.

WARNING • BURN HAZARD

This dishwasher has a heating element to heat the water. Do not touch the heating element when the dishwasher is on.

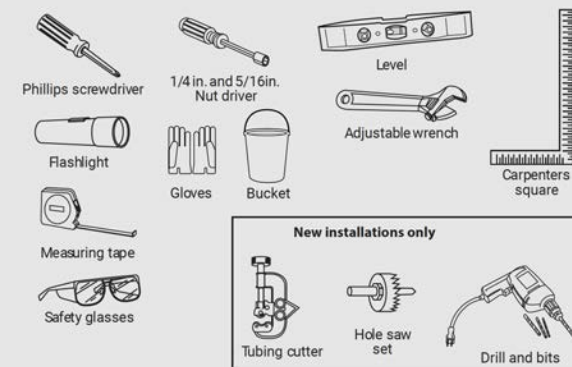
PARTS SUPPLIED

Parts supplied:



TOOLS NEEDED

Tools needed:



Enclosure and clearances.

ENCLOSURE REQUIREMENTS

The enclosure must be at least **24" (61 cm) wide, 25" (63.5 cm) deep and 34" (86.4 cm) high.**

The dishwasher is designed to be enclosed on the top and both sides by a standard residential kitchen cabinet.

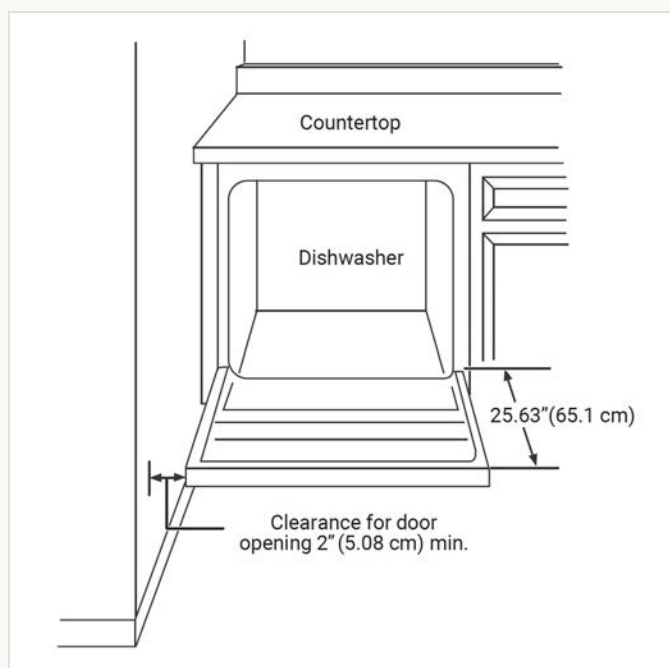
The enclosure must be clean and free of obstructions.

For the door to sit flush with the front edge of the counter, the countertop must be 25" (63.5 cm) deep.

The drain hose must run no more than 10 ft (3.01 m) in length.

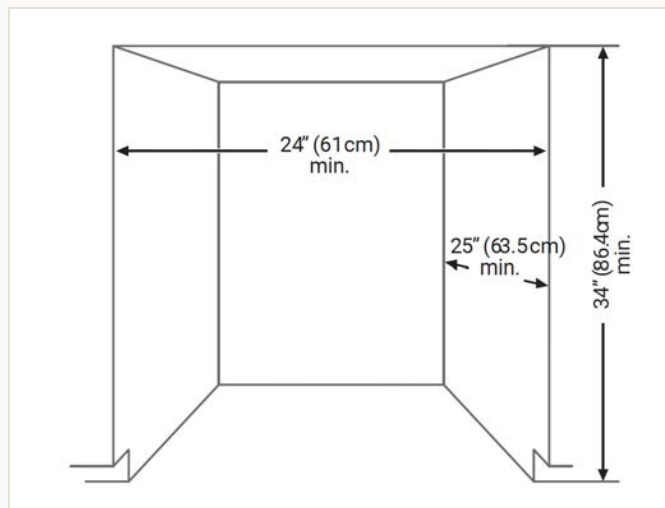
CORNER INSTALLATIONS

Allow **2" (5.08 cm) minimum** clearance between the dishwasher and any adjacent cabinet, wall or appliance. Allow **25.63" (65.1 cm) minimum** clearance in front of the dishwasher for opening the door.



CORNER CLEARANCE AND DOOR SWING

ENCLOSURE OPENING



MINIMUM OPENING 24" × 25" × 34"

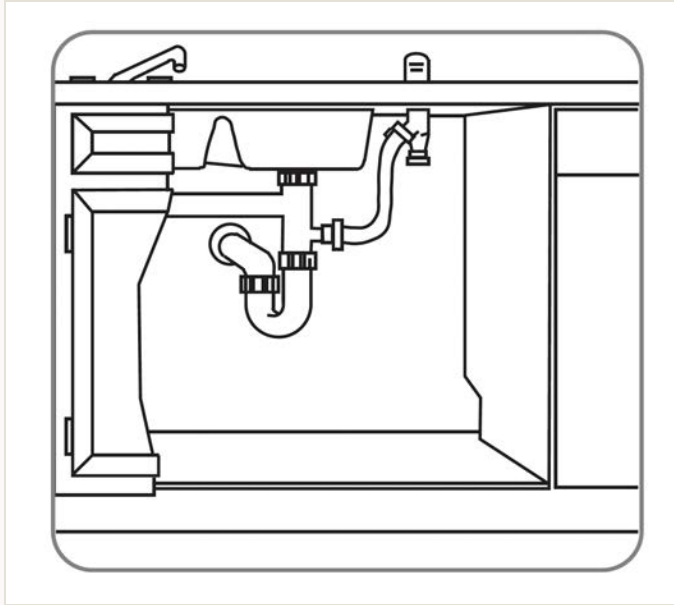
MATERIALS NEEDED — KIT PURCHASED SEPARATELY



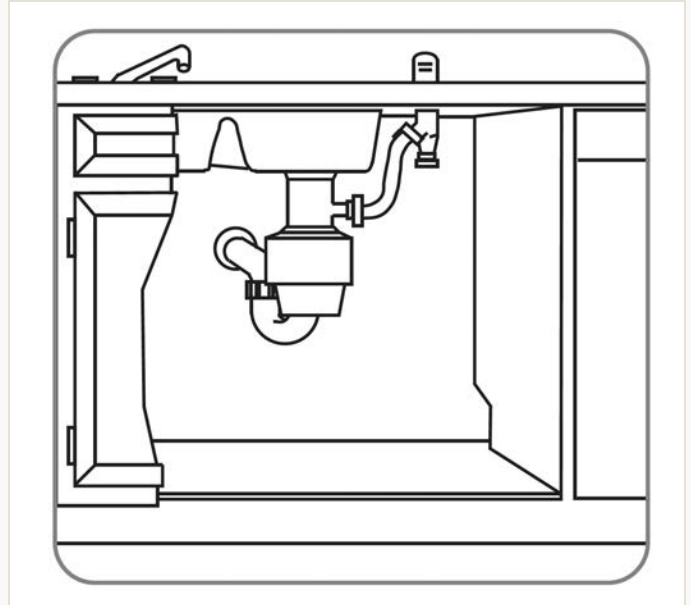
Drain preparation and **air gap**.

The type of drain installation required depends on three questions: does a local code require an air gap; will the waste tee or garbage disposal connection sit less than 18" (45.72 cm) above the floor; will the installation have a drain loop less than 32" (81.28 cm) above the floor? **If the answer to any of these is yes, Method 1 must be used.** Otherwise either method may be used.

METHOD 1 · AIR GAP TO A WASTE TEE OR GARBAGE DISPOSAL

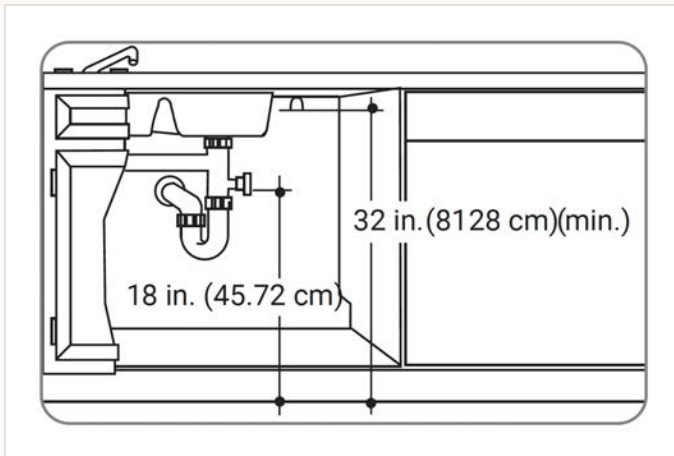


WASTE TEE INSTALLATION

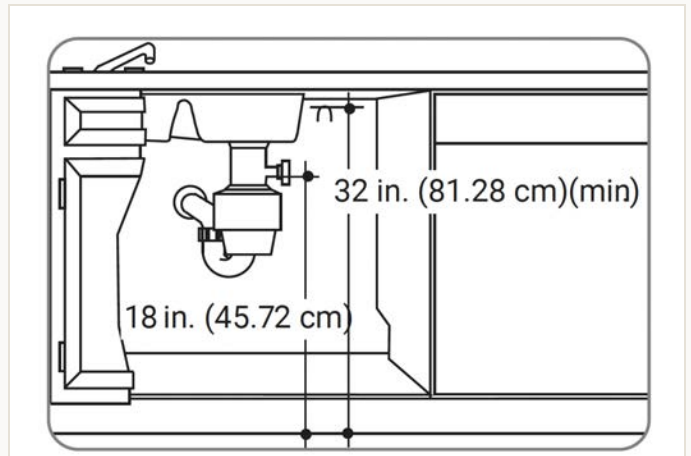


GARBAGE DISPOSAL INSTALLATION

METHOD 2 · HIGH DRAIN LOOP, FASTENED TO THE UNDERSIDE OF THE COUNTERTOP



WASTE TEE INSTALLATION



GARBAGE DISPOSAL INSTALLATION

DRAIN REQUIREMENTS

Follow all local codes and ordinances.
Do not connect drain lines from other devices to the dishwasher drain hose.

Do not exceed 10 ft (3.01 m) of drain hose.
Connect to a waste line with an air gap (not provided) or a 32" (81.28 cm) minimum high drain loop.

CAUTION

An air gap **MUST** be used if the drain hose connects to a waste tee or disposal lower than 18" (45.72 cm) above the floor, or the dishwasher will not drain properly.

Electrical and cabinet prep.

ELECTRICAL REQUIREMENTS

Supply **120 V, 60 Hz** on its own properly grounded branch circuit, protected by a 15 or 20 ampere breaker or time-delay fuse.

Wiring must be two-wire with ground.

If the electrical supply does not meet these requirements, call a licensed electrician before proceeding.

Do not use an extension cord or adapter plug.

GROUNDING

This appliance must be grounded. Grounding reduces the risk of electric shock by providing a path of least resistance for electric current. Improper connection of the equipment grounding conductor can result in a risk of electric shock — check with a qualified electrician if you are in doubt that the appliance is properly grounded.

DIRECT WIRE METHOD

Route the cable as shown and extend it a minimum of 24" (60.96 cm) from the rear wall.

Use flexible, armored or nonmetallic sheathed copper wire with a grounding wire meeting local codes.

Use a UL Listed / CSA Approved strain relief.

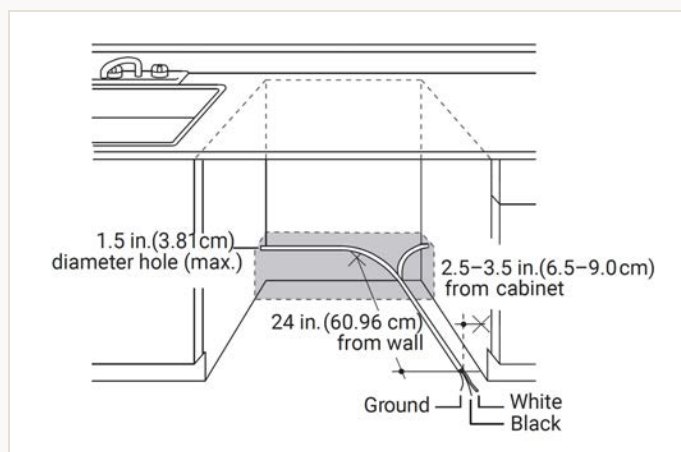
CABINET PREP AND WIRE ROUTING

Wiring may enter the opening from either side, the rear, or the floor within the shaded area. The electrical connection is on the front right of the dishwasher.

Drill a **1.5" (3.81 cm) maximum** diameter hole for the electrical cable.

The hole must be free of sharp edges; metal cabinet walls need a bushing or rubber grommet.

Cable-direct connections may share the hole with the drain hose and hot water line, but power cords with plugs must pass through a separate hole.



WIRE ROUTING WITHIN THE SHADED AREA

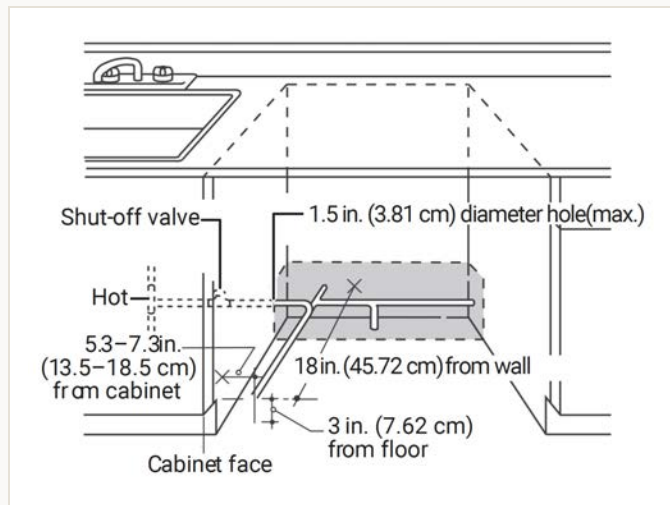
WARNING

Open the circuit breaker and shut power off to the circuit before beginning the installation.

Hot water and supply.

PREPARING THE HOT WATER LINE

The water connection is on the left side of the dishwasher. The hot water line may enter the opening from either side, the rear, or the floor within the shaded area, and may pass through the same hole as the electrical and drain hose — or you can drill an additional 1.5" (3.81 cm) maximum diameter hole. If a power cord with a plug is used, the hot water line may not share that hole.



HOT WATER LINE ROUTING AND SHUT-OFF VALVE

WATER SUPPLY CONNECTION

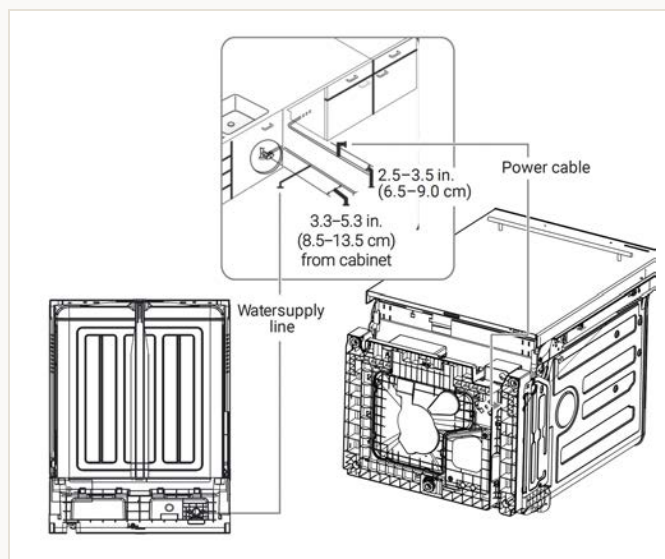
Turn off the water supply. Install a hand shut-off valve in an accessible location such as under the sink — optional but strongly recommended, and may be required by local codes.

Install the hot water inlet line using at least **3/8" O.D. copper tubing**.

Route the line as shown and extend it forward at least 18" (45.72 cm) from the rear wall of the enclosure.

Adjust the water heater to 120°–150° F (49°–65° C).

Flush the water line to clean out any debris.



SUPPLY LINE AND POWER CABLE AT THE REAR OF THE DISHWASHER

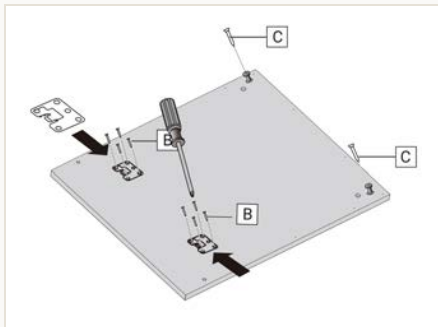
NOTE

The hot water pressure must be between 20 and 120 psi (138 and 827 kPa).

Panel installation and door balance.

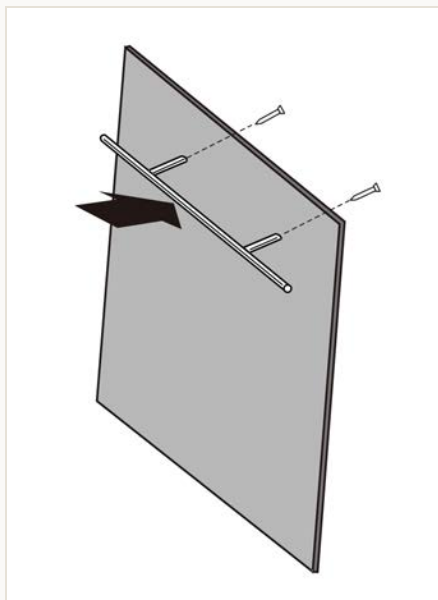
STEP 1 · BRACKETS

Install the hook and brackets on the decoration door with screws B and C.



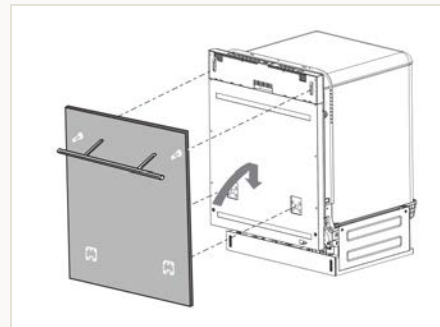
STEP 2 · HANDLE

Install the handle to the outer face of the decoration door using the handle mounting holes.



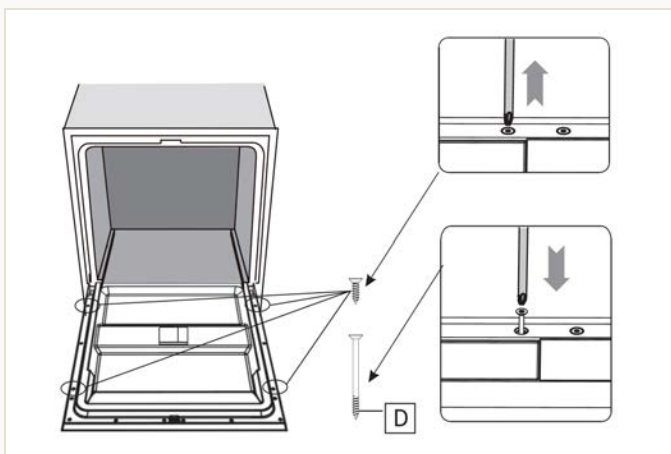
STEP 3 · POSITION

Put the hook into the slot of the outer door to position the panel.



STEP 4 · FIX THE PANEL

Fix the decoration door onto the outer door with screws D and bolts.



ATTENTION

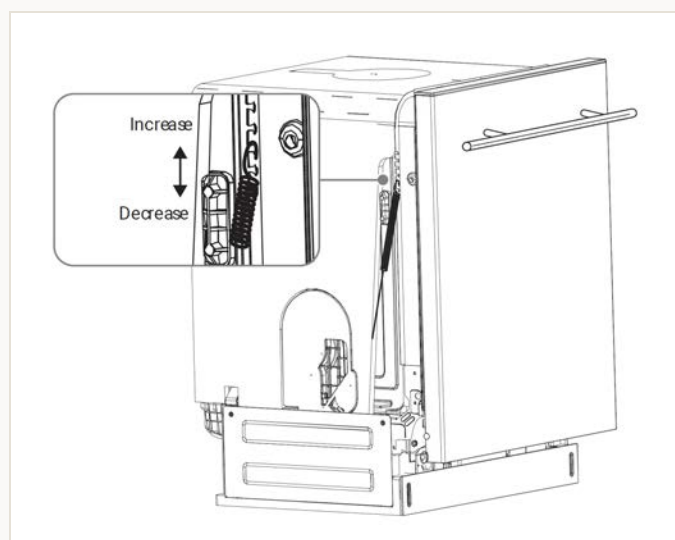
We highly recommend an assistant hold the top of the machine to prevent it from tipping forward during this part of the installation.

STEP 5 · CHECK THE DOOR BALANCE

Hold the top of the dishwasher firmly.

Open the door slowly, then release it. If the door drops, increase the spring tension; if the door closes, decrease the spring tension.

Continue moving the spring pin until the door is balanced. Adjust both springs to the same tension.



INCREASE OR DECREASE SPRING TENSION

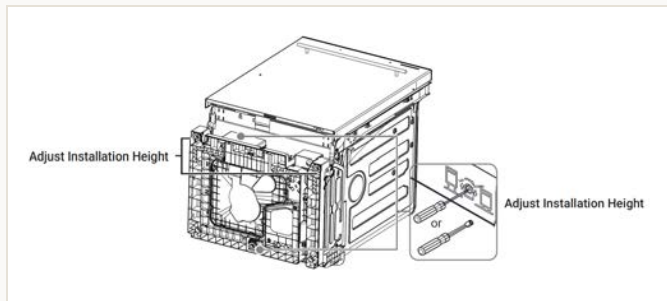
Leveling and connecting power.

STEP 6 · ADJUST THE LEVELING LEGS

Move the dishwasher close to the installation location and lay it on its back. Make sure the leveling feet are loosened before standing it upright — they may be tight from shipping.

Measure the installation height and the dishwasher height.

Extend the leveling legs out from the base **.25" (6.35 mm) less** than the installation height.



ADJUSTING INSTALLATION HEIGHT

NOTE

You will not have access to the rear leveling legs once the dishwasher is in place.

STEP 7 · CONNECT TO POWER

Turn off the electricity to the dishwasher circuit and confirm power is off at the source.

POWER CORD

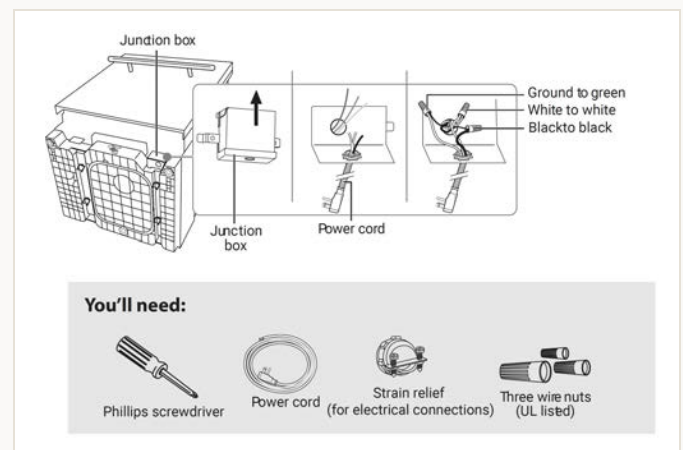
Remove the junction box cover on the front right of the dishwasher and pull the wires inside the box.

Remove the lock nut from the strain relief, push the strain relief into the round opening, then install the lock nut from inside the box.

Insert the power cord wires through the strain relief.

Connect white to white, black to black, and ground to green using cUL/UL listed wire nuts.

Tighten the strain relief screws and lock nut, then replace the junction box cover without pinching any wires.



POWER CORD CONNECTION AT THE JUNCTION BOX

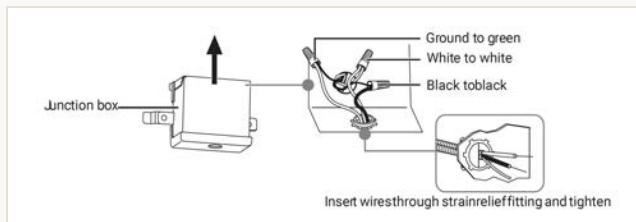
WARNING

If your house wiring is not 2-wire with a ground, a ground must be provided by the installer. If your house wiring is aluminum, use cUL/UL Listed anti-oxidant compound and aluminum-to-copper connectors.

Positioning and connections.

DIRECT WIRING

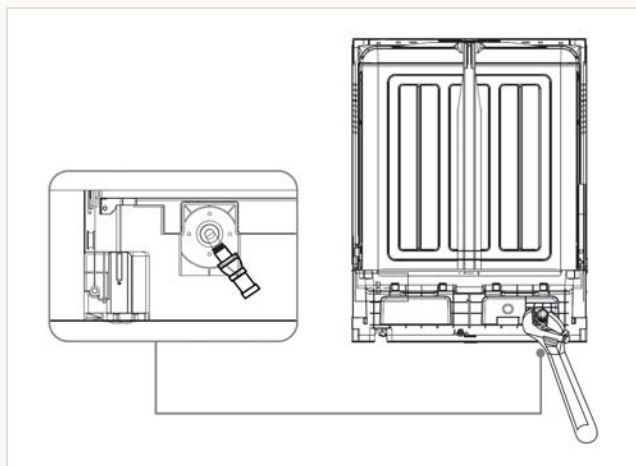
Remove the junction box cover from the power supply junction box on the wall. Insert the dishwasher wires (white, black, green) through the small hole in the junction box and secure the house wiring to the bottom of the box with a strain relief fitting. Use wire nuts to connect ground to green, white to white and black to black, then replace the cover.



INSERT WIRES THROUGH THE STRAIN RELIEF FITTING

INSTALL THE 90° ELBOW

Install the 90° elbow onto the water valve — do not over-tighten, or the valve bracket could bend and the fitting could break. Position the end of the elbow to face the bottom right side of the dishwasher.



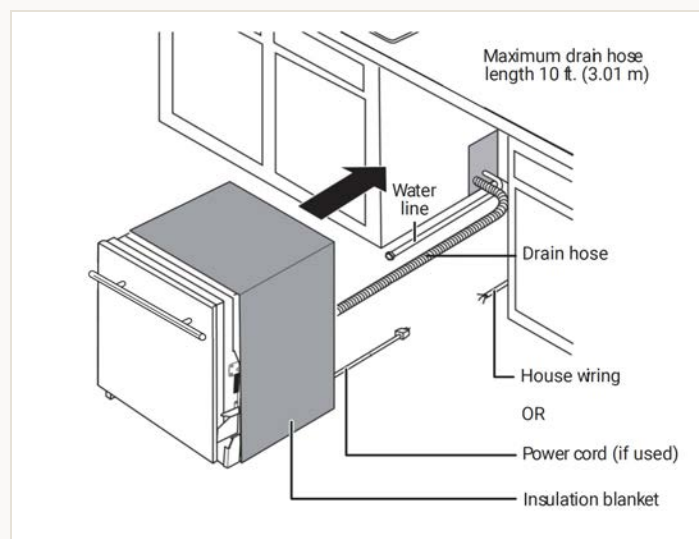
SLIDE THE DISHWASHER INTO THE CABINET

Insert the drain hose into the hole in the cabinet wall. If a power cord is used, guide it through a separate hole.

Position the dishwasher in front of the opening, then slide it in a few inches at a time, pulling the drain hose through the opening under the sink as you proceed.

Make sure the drain hose is not kinked under the dishwasher and does not interfere with the water line or wiring.

Push the dishwasher in until the front corners of the door are flush with the cabinet doors.



MAXIMUM DRAIN HOSE LENGTH 10 FT (3.01 M)

CAUTION

Do not push against the front panel with your knees — damage can occur to the panel, countertop or cabinets.

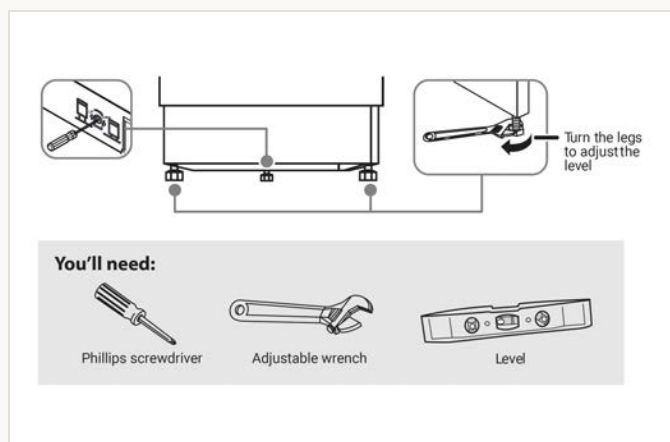
Securing and leveling.

FINAL LEVEL ADJUSTMENTS

The dishwasher must be level for proper rack operation and wash performance. Open the door, then place a level on the door and on the rack track inside the tub. Level the dishwasher by adjusting the four leveling legs individually.



FRONT-TO-BACK AND SIDE-TO-SIDE



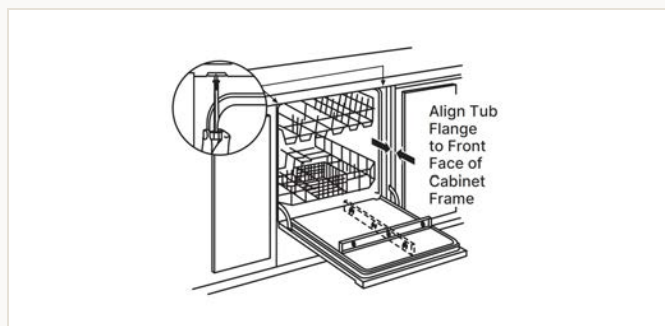
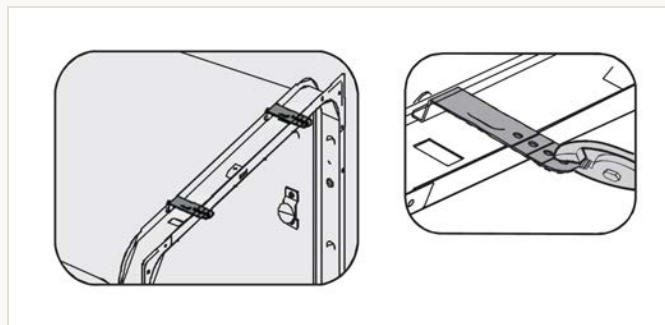
TURN THE LEGS TO ADJUST

TIP

Pull the lower rack out about halfway. If the rack rolls forward or back on its own, level the dishwasher again. If the edge of the door hits the side of the tub, the dishwasher is not installed correctly — adjust the legs to align the door to the tub.

METHOD 1 · TOP MOUNT CLIPS

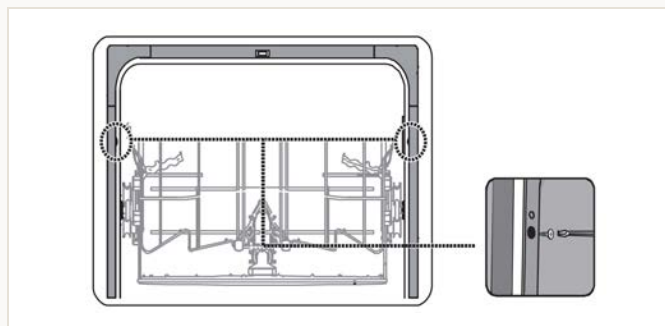
Install the top mount clips before the unit goes into the cabinet — insert the brackets into the front top slots of the dishwasher. Depending on cabinet depth, the clips have a break-off point that can be removed. Position the dishwasher so the tub flange aligns with the front face of the cabinet frame, then fasten to the underside of the countertop with the 2 Phillips screws provided.



ALIGN TUB FLANGE TO CABINET FRAME

METHOD 2 · SIDE BOARDS

Where countertops are marble, granite or another material that cannot be drilled: open the door, remove the tub caps on both sides of the tub, install screws through the dishwasher side holes into the cabinet wall, then reinstall the tub caps. If the gap between the control panel and the screws is less than 3/8", method 2 is recommended.



Drain hose and final testing.

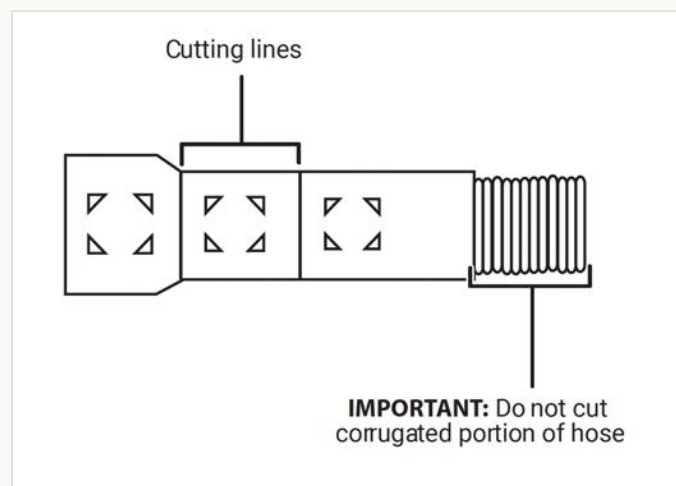
CONNECTING THE DRAIN HOSE

Cut on the marked line as required — the molded end fits 5/8" or 1" diameter connections. Do not cut the corrugated portion.

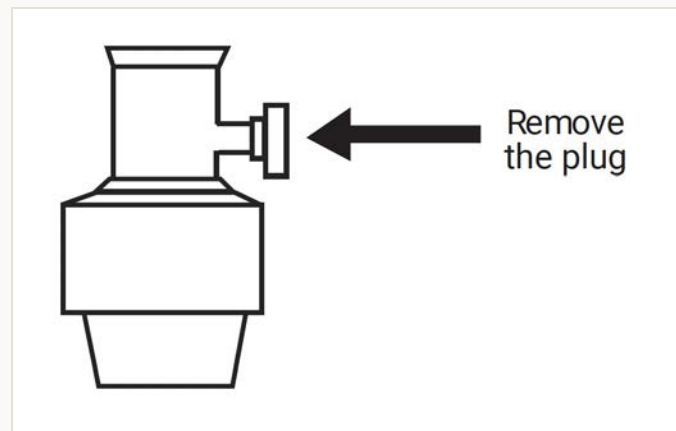
If a longer hose is needed, add up to 42" (1.1 m) using 5/8" or 7/8" I.D. hose and a coupler, secured with screw-type clamps. Total length must not exceed 10 ft (3.01 m).

Secure the hose to the air gap, waste tee or disposal with a screw-type clamp.

If connecting to a garbage disposal, make sure the drain plug has been removed — the dishwasher will not drain if it is left in place.



CUTTING LINES



REMOVE THE DISPOSAL PLUG

See **page 9** for the air gap and high drain loop connection diagrams.

PRE-TEST CHECK

Power is turned OFF; all foam and paper packaging removed.

The door opens and closes freely and does not fall on its own — otherwise check the spring adjustment.

Wiring is secure under the dishwasher, not pinched or touching the door springs.

The door clears the tub and the cabinet, and the lower rack does not roll on its own.

Water supply and drain lines are not kinked or touching other components.

Incoming water temperature is between 120° F and 150° F.

Add a half gallon of water to the bottom of the tub to lubricate the pump seal, then turn on the water supply and check for leaks.

WET TESTING

Turn on the power supply, then start a Rinse only cycle and close the door within four seconds.

Confirm water enters the dishwasher; if not, check that water and power are on.

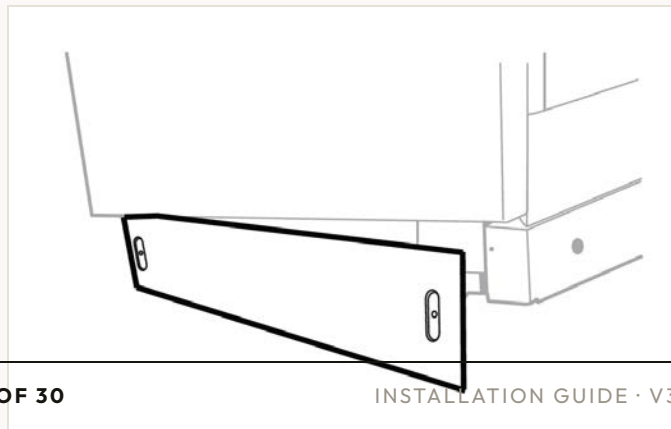
Check for leaks under the dishwasher and around the door. Turn power off before tightening any connection.

While draining, check the drain lines for leaks and kinks, and confirm most of the water has drained.

Run one more fill and drain cycle, checking for leaks.

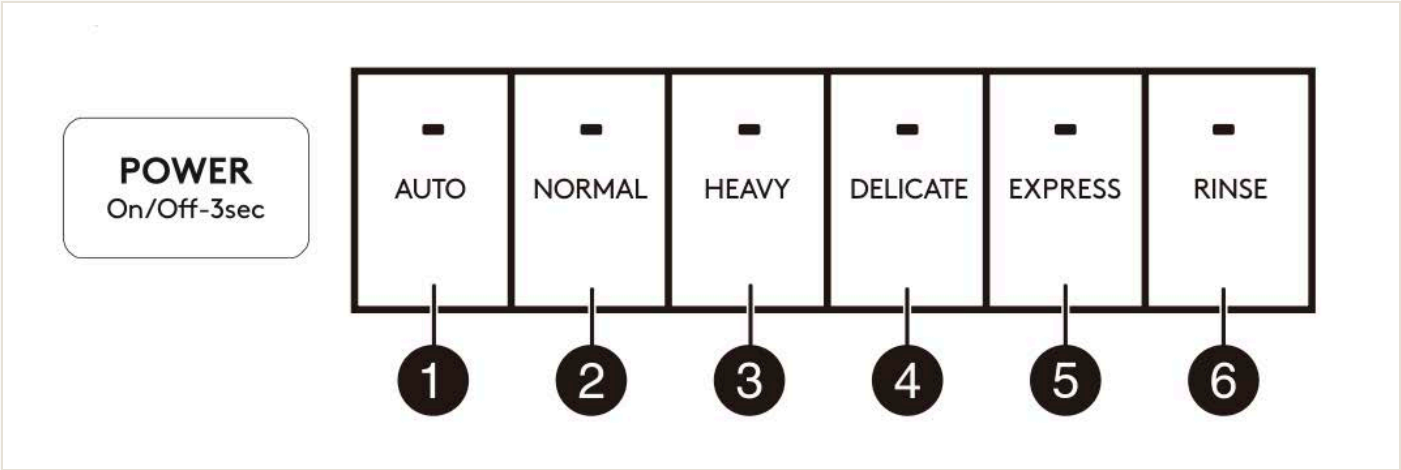
FINAL STEP • TOEKICK

Place the toekick against the legs so the slots align with the toekick bracket screw holes, let it touch the floor, and install the screws (Screw E, ST3.9×13). Make sure the toekick is aligned correctly with the junction box.



Using the control panel.

Your dishwasher's control panel is located on the top edge of the door. The door must be opened to make settings and operate the dishwasher. Turn the power on or off by pressing and holding the power button for 3 seconds.



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

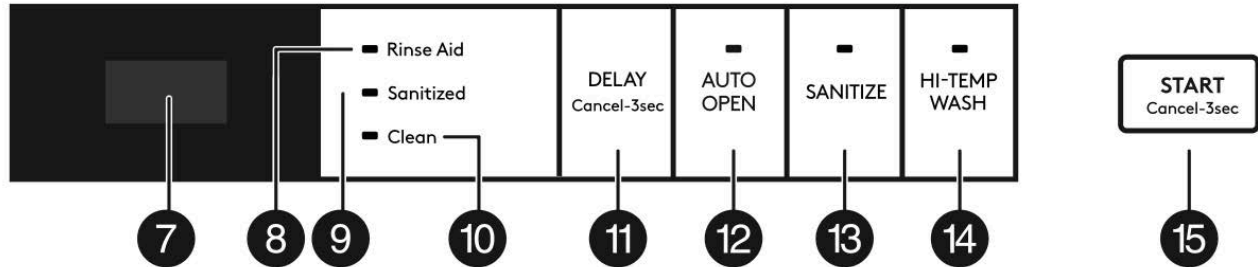
#	CYCLE	DESCRIPTION	WATER USE	CYCLE TIME
1	AUTO	Auto sensing wash, lightly or heavily soiled crockery, with or without dried-on food.	2.4–4.7 gal (11.0–21.5 l)	104–159 min
2	NORMAL	Use for regularly soiled dinner dishes or silverware.	2.2–4.6 gal (10.1–21.1 l)	130–157 min
3	HEAVY	Use for hard-to-clean, heavily soiled dishes, pots, and pans.	4.6 gal (21.1 l)	119–164 min
4	DELICATE	Use for lightly soiled crockery and glass.	3.9 gal (17.8 l)	97–132 min
5	EXPRESS	Use for lightly soiled and pre-rinsed dishes and silverware.	3.4 gal (15.3 l)	60 min
6	RINSE	Use for pre-rinsing dishes or glasses. No detergent.	1.7 gal (7.9 l)	17 min

CYCLE TIMES ARE APPROXIMATE

Times and water use vary with the options selected and with the temperature of the incoming water. If the supply is not hot enough, the timer is delayed while the water heats for the main wash.

Controls, options and operation.

Controls and indicators



CONTROLS AND INDICATORS

- 7 Display** — shows the remaining hours and minutes of the current cycle, delay hours remaining, and error codes.
- 8 Rinse aid indicator** — turns on when you need to add rinse aid.
- 9 Sanitized indicator** — turns on when a sanitized cycle is finished.
- 10 Clean indicator** — turns on after a cycle is finished.
- 11 Delay** — press repeatedly to delay the start of the selected wash cycle by 1–24 hours. After selecting the delay time, press START/CANCEL once, then close the door within four seconds.
- 15 Start / Cancel** — press to start the dishwasher after selecting a cycle. Close the door within four seconds. To cancel a running cycle, open the door and hold START/CANCEL for three seconds.

OPTIONS

- 12 Auto open** — the door opens automatically at the end of the washing cycle for better drying performance. Paste the protective tape provided before securing the dishwasher to protect cabinets from steam.
- 13 Sanitize** — maintains water temperature at 158° F (70° C) max. Available with AUTO, NORMAL, DELICATE, and HEAVY cycles. The sanitize cycle is NSF certified.
- 14 Hi temp wash** — maintains water temperature at 135° F (57° C) max. Available with AUTO, NORMAL, and HEAVY cycles.

CAUTION

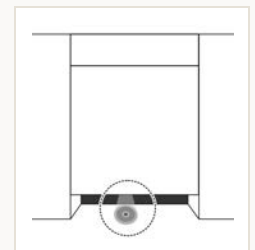
To avoid injury, open the door slowly and carefully. There is a possibility of hot steam from inside the dishwasher.

BASIC OPERATION

- 1** Load the dishwasher — see Preparing and Loading Dishes.
- 2** Add detergent — see Filling the Detergent Dispenser.
- 3** Add rinse aid, if needed — see Rinse Aid.
- 4** Select the cycle you want. The indicator will light when the selection is made.
- 5** Select the function you want. The indicator will light when the selection is made.
- 6** Press START/CANCEL on the control pad.
- 7** Close the door within four seconds and the wash cycle will begin.
- 8** When the program ends, the display shows **End** and continues for 5 minutes.

INDICATOR LAMP

The indicator light goes off in standby mode and lights up during the washing program, projecting the remaining working time of the program. When the program ends, the display shows the character string **End** and continues for 5 minutes.



Preparing dishes for washing.

Scrape away large pieces of food, bones, pits, toothpicks, and similar items. The filtered wash system will remove the remaining food particles.

Burned-on foods should be loosened before loading.

Empty liquids from glasses and cups.

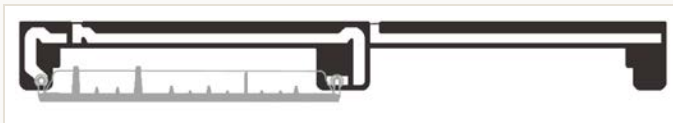
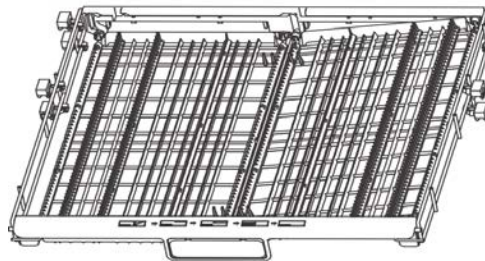
Foods such as mustard, mayonnaise, vinegar, lemon juice, and tomato-based products may cause discoloration if left to sit. Rinse off these types of foods if the dishwasher is not operated immediately.

If the dishwasher drains into a garbage disposal, be sure the disposal is completely empty before starting.

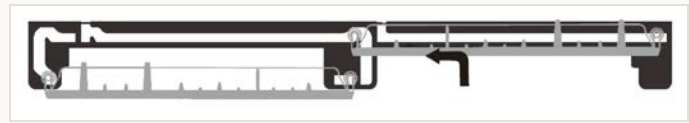


ADJUSTING THE TOP RACK

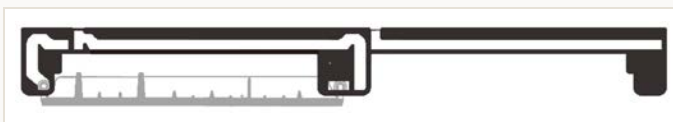
This dishwasher has a convenient top rack for silverware, cutlery, and small items. This rack can be adjusted to accommodate varying loads, as shown below.



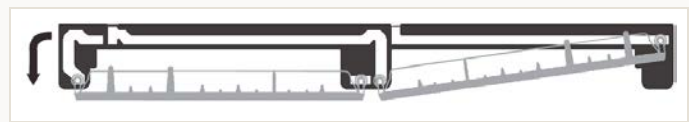
Left rack adjusted to lower position and right rack angled



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



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



Left rack adjusted to lower position and right rack removed

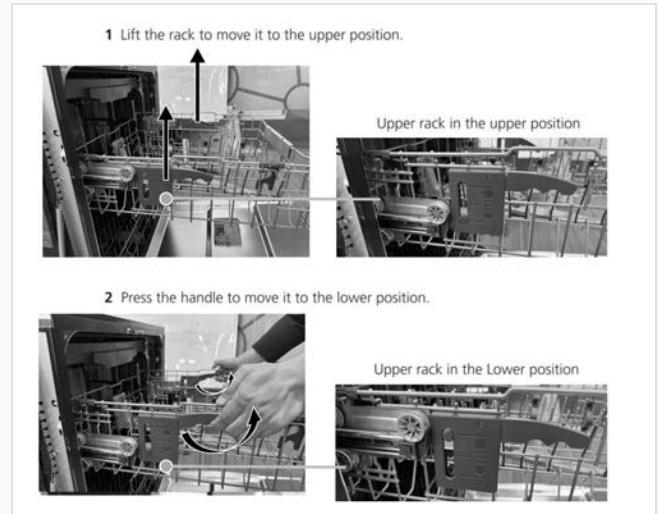
Adjusting and loading the upper rack.

ADJUSTING THE UPPER RACK

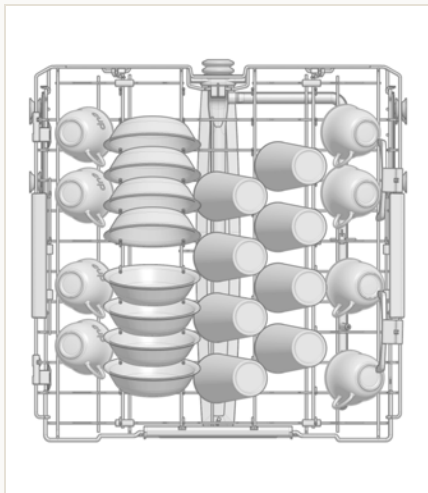
The height of the upper rack can be adjusted to accommodate loading taller dishes in either rack.

WHAT TO PLACE IN THE UPPER RACK

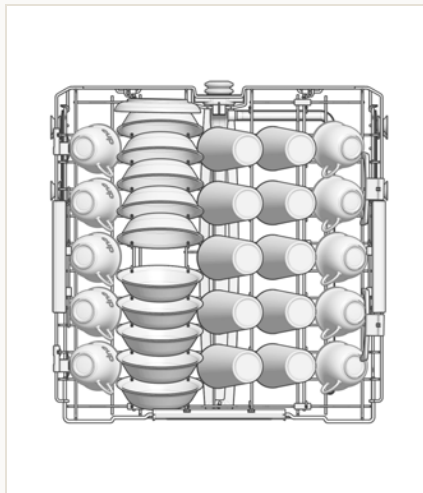
The upper rack is designed for cups, glasses, small plates, bowls, and plastic items marked dishwasher-safe. For best results, place the items with the soiled surface facing down or toward the center. Tilt them slightly for better drainage. Make sure loaded dishes do not interfere with the rotation of the middle spray arm.



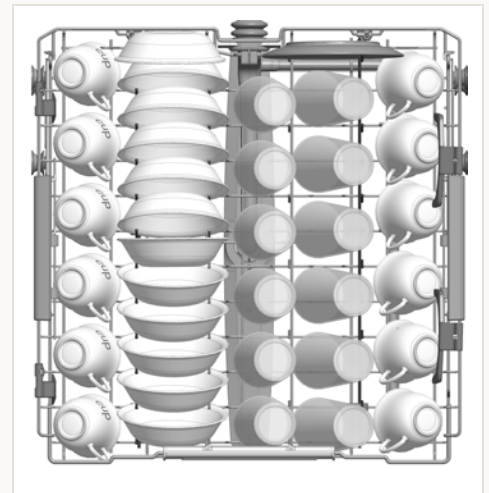
UPPER RACK LOADING SUGGESTIONS



8 PLACE SETTINGS



10 PLACE SETTINGS

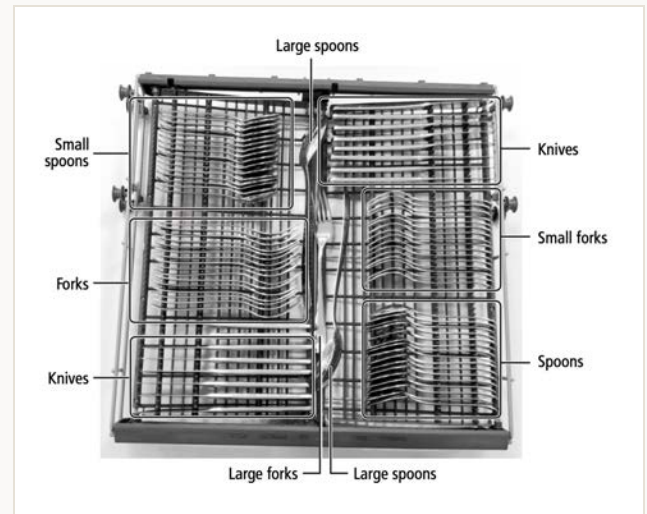


12 PLACE SETTINGS

Loading the top and bottom racks.

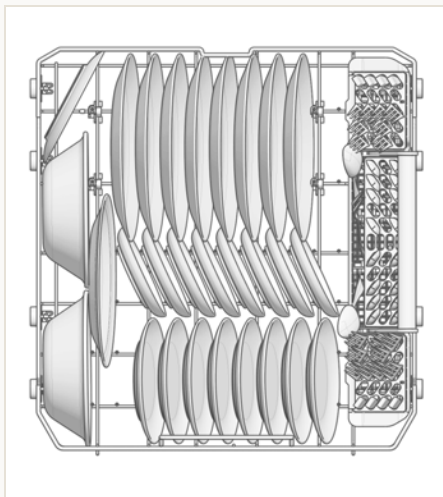
LOADING THE TOP RACK

You can place items in the top rack randomly or in an orderly fashion. The image alongside shows how to load the top rack for 16 place settings, with sections for large spoons, small spoons, knives, forks, small forks, and large forks.

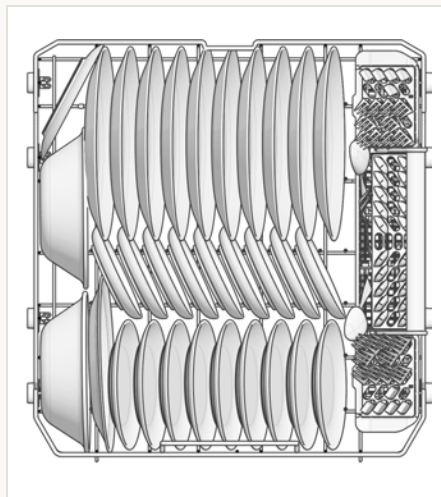


LOADING THE BOTTOM RACK

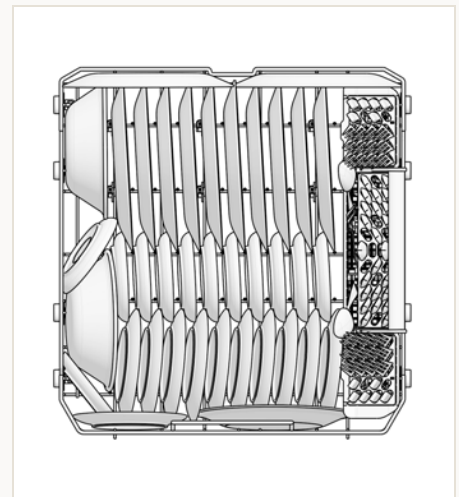
The bottom rack is designed to accommodate plates, bowls, saucers, and cookware. The adjustable rack lets you load items up to 13 inches high. Large items should be placed along the edge, with the inside faces down, so they do not interfere with the middle or lower spray arms or prevent the detergent dispenser from opening. The fold-down tines on the bottom rack support extra large and hard-to-fit items. Loading suggestions are shown below.



8 PLACE SETTINGS



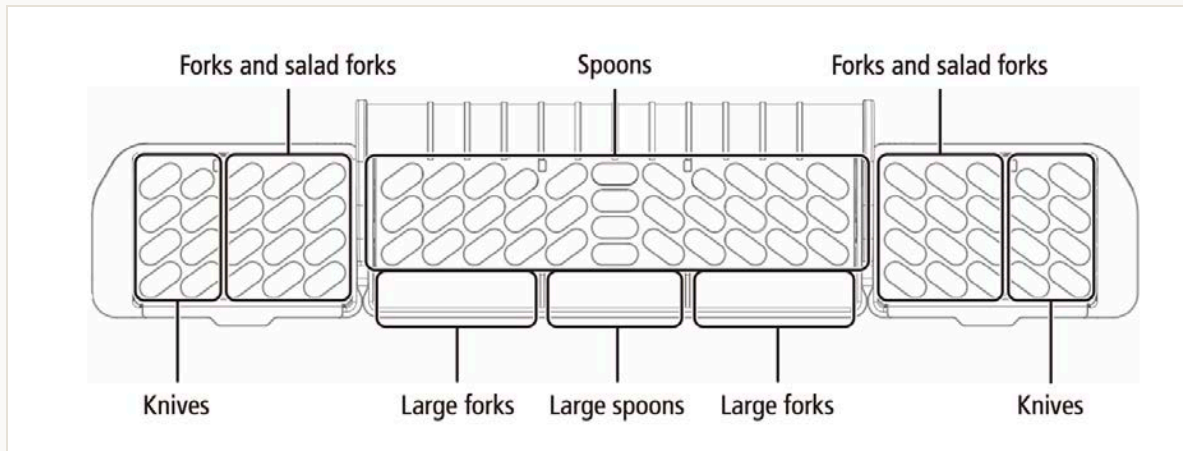
10 PLACE SETTINGS



12 PLACE SETTINGS

The silverware basket.

The silverware basket is divided into three separate sections, which can be placed in either the upper or lower racks. Place forks and salad forks on the sides, spoons in the center, and knives along the edges with handles up.



CAUTION

Make sure that nothing protrudes through the bottom of the silverware basket to block the lower spray arm.

ADDING A DISH

CAUTION – TO AVOID BURN INJURY

Open the door slowly and wait until the spray arms and wash action stop. Hot water may splash out of the dishwasher.

To add or remove items after the wash cycle starts:

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

BEFORE THE MAIN WASH STARTS

You can add more dishes before the main wash cycle has started. To determine this, check the detergent dispenser in the door. If the detergent dispenser is still closed, you can add more dishes. If it is open, you can add dishes if the quantity is small. If the quantity is large, restart the cycle.

Filling the detergent dispenser.

The detergent dispenser has two detergent cups: the smaller one for addition to the pre-wash, and the larger for release to the main wash.

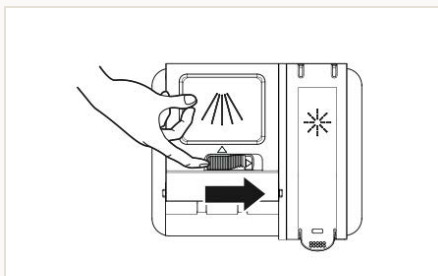
Use only fresh automatic dishwashing detergent. Other detergents may cause oversudsing.

When using dishwashing detergent tablets or packets, use only one — place it in the main wash cup and close.

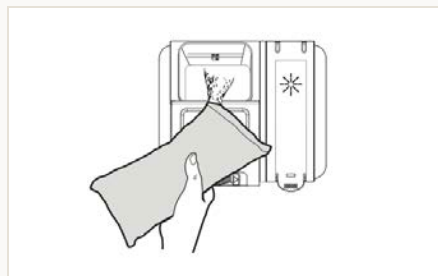
Add detergent just before starting the cycle.

Store detergent in a cool, dry location and discard any that becomes moist or caked.

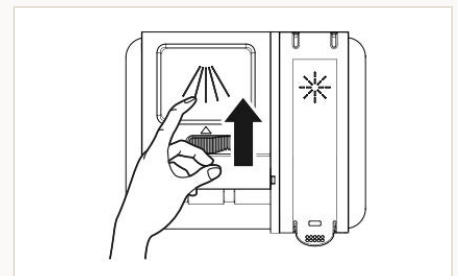
TO FILL



- 1** Push the dispenser cover release catch to open the main wash detergent compartment.



- 2** Add the recommended amount of detergent to the compartment.



- 3** Press down on the top of the cover to secure.

Note: The flap is always open at the end of a dishwashing cycle.

HOW MUCH DETERGENT TO USE

The amount of detergent depends on the soil level, the type of detergent, and the hardness of your water. Too little detergent means dishes won't be clean. Too much detergent with soft water will cause glassware to etch.

WATER HARDNESS

Your dishwasher is designed to operate with water that has a hardness of no more than 7 grains per gallon. If your water has a hardness over 8 grains per gallon, consider installing a water softener.

CAUTION

The use of industrial grade detergent can damage the heating coil and other parts of the dishwasher. Use only household grade automatic dishwasher detergents.

Rinse aid, and how to **set it**.

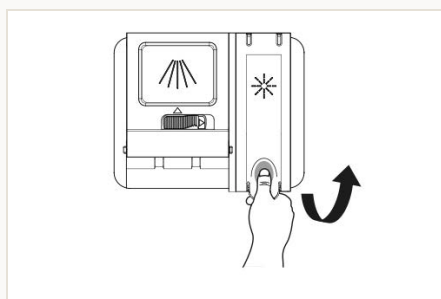
Rinse aid greatly improves drying and reduces water spots. A dispenser, located next to the detergent cup, automatically releases a measured amount of rinse aid during the last rinse.

ADJUSTING THE RINSE AID AMOUNT

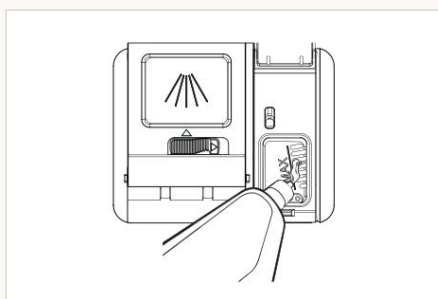
Open the door in standby mode, press the power button, then press and hold the Rinse button for more than 5 seconds. The setting changes in sequence:

d5 → **d1** → **d2** → **d3** → **d4** → **d5** The higher the number, the more rinse aid dispensed.

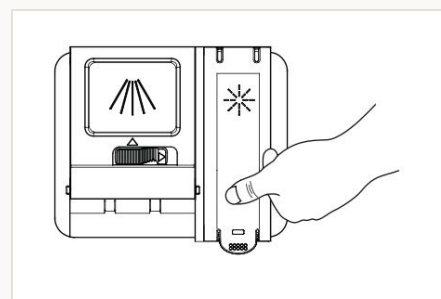
TO REFILL THE RINSE AID DISPENSER



1 Lift up the end tab of the rinse aid cover to open.



2 Fill with liquid rinse aid until full. **Do not overfill.** Use the viewing port when filling.



3 Press the rinse aid cover down firmly to close.

Under normal conditions, you will need to fill the rinse aid dispenser approximately once a month.



Factors affecting performance.

USING RINSE AID

Rinse aid greatly improves drying and reduces water spots and filming. Without rinse aid, your dishes and dishwasher interior will have excessive moisture. If spotting and poor drying is a problem, increase the amount of rinse aid dispensed.

HEAT DRY FUNCTION

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

WATER PRESSURE

The hot water supply line must provide water pressure of at least **20 psi** and not more than **120 psi**. During high-demand periods, wait until hot water demand is reduced before starting the dishwasher.

WATER TEMPERATURE

Hot water is required for optimum dishwashing and drying results. Water entering the dishwasher should be at least 120° F (49° C).

- 1** Turn on the hot water faucet near the dishwasher and let it run for several minutes.
- 2** Hold a thermometer in the water stream. If the temperature is below 120° F (49° C), have a qualified person raise the hot water heater thermostat setting.

CAUTION

To make sure water entering the dishwasher is hot, run hot water from the nearest faucet to clear cool water from the pipe before starting the cycle.

120°F

MINIMUM INLET
TEMPERATURE

149°F

MAXIMUM SUPPLY
TEMPERATURE

20–120psi

WATER PRESSURE RANGE

7gpg

MAXIMUM WATER
HARDNESS



Maintaining your dishwasher.

CAUTION — TO AVOID BURN INJURY

Allow the heating element to cool before cleaning the interior of your dishwasher.

STAINLESS STEEL PANEL

Clean the stainless steel door and handle regularly with a soft cloth and standard household cleaner to remove debris. **Do not use appliance wax, polish, bleach, or products containing chlorine.**

CONTROL PANEL

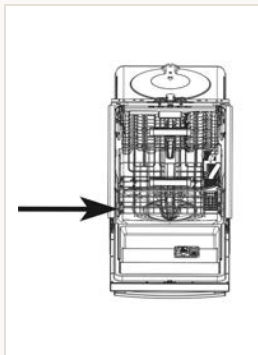
Clean the control panel gently with a soft, lightly dampened cloth.

INNER DOOR AND TUB

The tub is made of stainless steel and will not rust or corrode. Clean spots on the steel inner door and tub with a damp non-abrasive cloth.

CLEANING THE FILTERS

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



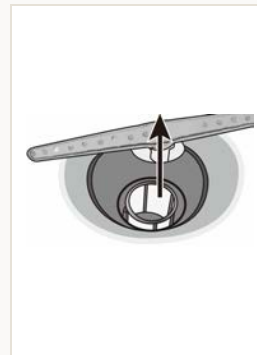
- 1** Remove the bottom rack.



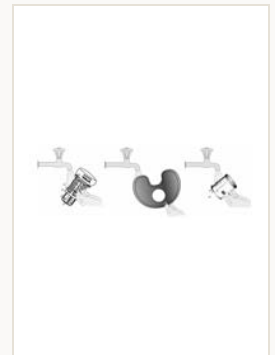
- 2** Rotate the cylinder filter, then lift it out.



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



- 4** Take out the fabric filter.



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

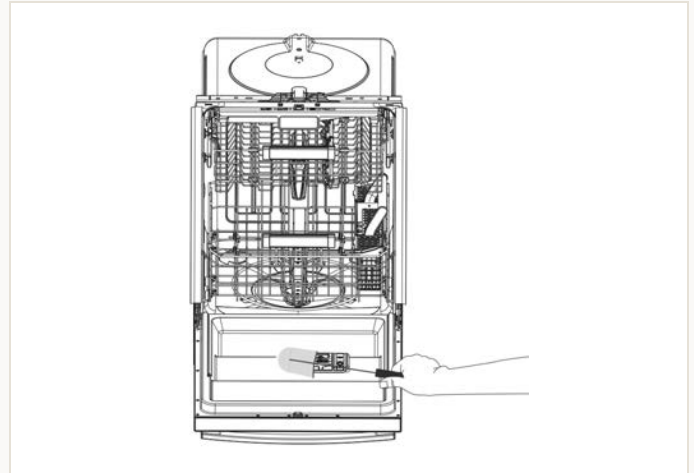
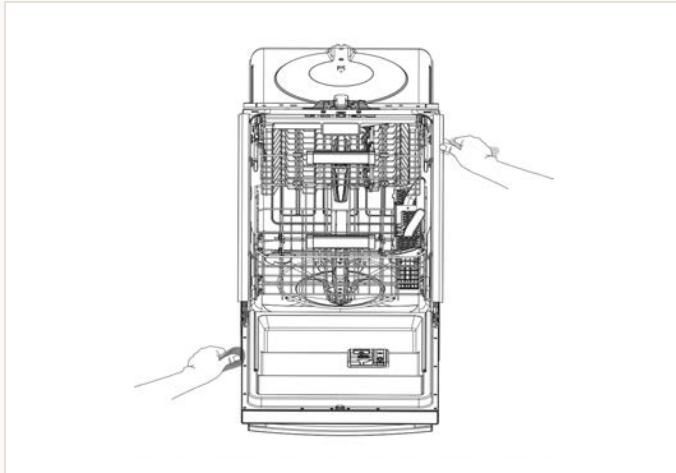
REFITTING — STEPS 6 TO 9

Replace the fabric filter, then the fine filter, then the cylinder filter, and finally the bottom rack.

Gaskets, air gap and **layup**.

CLEANING THE DOOR AND TUB GASKETS

Clean the door gasket with a damp cloth to remove food particles regularly. The inside of the dishwasher is self-cleaning under normal use. Use a brush to clean the opening in the end of the gasket.



CLEANING THE AIR GAP

If an air gap is installed with your dishwasher, make sure it is clean so the dishwasher will drain properly. The air gap is not part of your dishwasher. Before you clean it, turn off the dishwasher, remove the plastic air gap cover, and clean with a toothpick.

PROTECTING YOUR DISHWASHER FOR LONG PERIODS

If you plan to leave your dishwasher for extended periods in an unheated place, have a qualified person do the following.

TO DISCONNECT SERVICE

- 1** Turn off the electrical power to the dishwasher at the supply source.
- 2** Turn off the water supply.
- 3** Disconnect the water line from the inlet valve and drain into a pan.
- 4** Disconnect the drain line from the pump and drain into a pan.

TO RESTORE SERVICE

- 1** Reconnect the water, drain, and electrical power.
- 2** Turn on water and electrical power supply.
- 3** Fill the detergent cup and rinse aid cup and run the dishwasher through a heated-wash cycle.
- 4** Check all connections to make sure they do not leak.

Error codes.

Refer to this section to correct minor issues before calling for service. If the display shows a code, find it below before you call.

CODE	MEANING	POSSIBLE CAUSE
E1	Longer inlet time	Faucet not opened · water intake restricted · water pressure too low
E3	Not reaching required temperature	Malfunction of heating element
E4	Overflow	A leak in the dishwasher
E8	Distributary valve not working	Wire not connected correctly, or distributary valve is broken
E9	Button touched for more than 30 seconds	Anything (including water) touching a button
Ed	Communication failure between main board and display board	Open circuit or break wiring for the communication

CAUTION

If an overflow occurs, turn off the main water supply before calling for service. If there is water in the base pan because of an overfill or small leak, the water should be removed before restarting the dishwasher.

STILL NEED HELP

Call **(775) 898-7562** · Mon–Fri 9–4 PST
info@inductionhardware.com

Troubleshooting guide.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
The dishwasher won't start	Door may not be closed properly Power is off or not connected Delay start option is selected Child lock is activated	Make sure the door is closed and latched. Make sure power is connected and turned on. Refer to the Delay section under Controls and indicators. Deactivate the child lock.
Dishwasher beeps at end of cycle	This is normal	Indicates the wash cycle is complete.
Rinse aid light is on	Rinse aid level is low	Add rinse aid.
Dishwasher runs too long	Connected to cold water supply Cycle time varies by soil level Depends on option selected	Make sure it is connected to the hot water supply. Heavy soil detection increases wash time. Some options add time to the cycle.
Dishes not clean enough	Water pressure too low Inlet water temperature too low Dishes too close together Improper use of detergent Selected cycle not suitable for soil level Spray arms blocked	Make sure water pressure is above 20 psi. Connect to hot water supply; use when hot water demand is low. Reload as shown in Preparing and loading dishes. Add detergent per water hardness and cycle. Use fresh detergent. Choose a cycle with longer washing time. Make sure spray arms rotate freely.
Dishes not drying enough	Rinse aid empty or setting too low Dishes loaded improperly Cycle did not include drying	Fill rinse aid dispenser; increase the setting. Reload as shown in Preparing and loading dishes. Choose a cycle with drying.
Spots and filming on dishes	Water hardness too high Dishes loaded improperly Old or damp rinse aid used Rinse aid empty or setting too low	Install a water softener for extremely hard water. Reload dishwasher properly. Use fresh liquid rinse aid. Fill and increase the rinse aid setting.
Etching	Too much detergent Inlet temp exceeds 150° F (65.6° C)	Use less detergent with soft water. Lower inlet water temperature.
Detergent left in dispenser	Detergent too old Spray arm blocked	Use fresh detergent. Make sure spray arms are not blocked.
Detergent dispenser won't close	Improper operation	Add detergent and rinse aid only as indicated in this manual.
Water remains in dishwasher	Cycle not finished or interrupted	Make sure the current cycle is finished.
Dishwasher does not drain	Drain is clogged Drain hose is kinked	Check the air gap; make sure the disposer is empty. Make sure the drain hose is not kinked and is properly connected.
Suds in tub	Improper detergent	Use only automatic dishwasher detergent.
Dishwasher leaks	Excessive suds from improper detergent Dishwasher not level	Use only automatic dishwasher detergent. Level the dishwasher — refer to the Installation Manual.
Black or gray marks on dishes	Aluminum utensils rubbed against dishes	Ensure water inlet temperature is not less than 120° F (49° C).
Interior of tub is stained	Coffee or tea stains Reddish stain from tomato products	Use a spot cleaner to remove stains. Use the rinse only cycle right after loading.
Noises	Detergent cup opening or drain pump Hard object entered wash module	This is normal. If noise continues after the cycle, call for service.
Dishwasher won't fill (beeping)	Water valve turned off Door not closed completely	Turn on the water valve. Make sure the door is closed and latched.

Every detail, on the record.

Capacity	Max 16 place settings
Dimensions (W × D × H) — with decorative door	23.9 × 26.5 × 33.7 in. (606 × 674 × 857 mm)
Dimensions (W × D × H) — without decorative door	23.9 × 24.0 × 33.7 in. (606 × 610 × 857 mm)
Power requirements	120 V ~ 60 Hz
Current	8.4 A
Water pressure	Between 20 and 120 psi

BEFORE CONTACTING CUSTOMER SERVICE

If you received a damaged product, immediately contact the retailer or dealer that sold you the product.

Read and follow this instruction manual carefully to help you install, use and maintain your unit.

Read the troubleshooting section of this manual — it will help you diagnose and solve common issues.

CONTACT US

Website	www.inductionhardware.com
Phone	(775) 898-7562
Email	info@inductionhardware.com
Address	12920 Old Virginia Road, Suite 160 Reno, Nevada 89521, USA

FOR YOUR RECORDS

MODEL NUMBER

SERIAL NUMBER

DATE OF PURCHASE

IH INDUCTION
HARDWARE

Clean energy. **Clear results.**



Thank you for being part of the Induction Hardware community.

If you ever need support, our team is always here to help.

www.INDUCTIONHARDWARE.com