

STAINLESS STEEL TUB DISHWASHER OWNER'S MANUAL

GUIDE D'UTILISATION DU LAVE-VAISSELLE AVEC CUVE EN ACIER INOXYDABLE

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DISHWASHER SAFETY

Your safety and the safety of others are very important.

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



This is the safety alert symbol.

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

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

▲ DANGER

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

▲ WARNING

You can be killed or seriously injured if you don't follow instructions.

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

IMPORTANT SAFETY INSTRUCTIONS

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

- Read all instructions before using the dishwasher.
- Use the dishwasher only for its intended function.
- Use only detergents or wetting agents recommended for use in a dishwasher and keep them out the reach of children.
- When loading items to be washed:
 1. Locate sharp items so that they are not likely to damage the door seal; and
 2. Load sharp knives with the handles up to reduce the risk of cut-type injuries.
- Do not wash plastic items unless they are marked “dishwasher safe” or the equivalent. For plastic items not so marked, check the manufacturer’s recommendations.
- Do not touch the heating element during or immediately after use.
- Do not operate your dishwasher unless all enclosure panels are properly in place.
- Do not tamper with controls.
- Do not abuse, sit on, or stand on the door or dish racks of the dishwasher.
- To reduce the risk of injury, do not allow children to play in or on a dishwasher.
- Under certain conditions, hydrogen gas may be produced in a hot-water system that has not been used for two weeks or more. **HYDROGEN GAS IS EXPLOSIVE.** If the hot-water system has not been used for such a period, before using the dishwasher, turn on all hot-water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.
- Remove the door to the washing compartment when removing an old dishwasher from service or discarding it.
- Do not use replacement parts that have not been recommended by the manufacturer (e.g. parts made at home using a 3D printer).

SAVE THESE INSTRUCTIONS

GROUNDING INSTRUCTIONS

For a grounded, cord-connected appliance:

This appliance must be grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. The 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 ordinance.

WARNING: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to 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.

For a permanently connected appliance:

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 on the appliance.

SAVE THESE INSTRUCTIONS

⚠ WARNING



Tip Over Hazard

Do not use dishwasher until completely installed.

Do not push down on open door.

Doing so can result in serious injury or cuts.

DISHWASHER MAINTENANCE AND CARE

User-Maintenance Instructions

Cleaning the Exterior

Clean the exterior of the dishwasher with only a soft, damp cloth and mild detergent. If your dishwasher has a stainless steel exterior, it may have a coating that is resistant to fingerprints. Avoid using abrasive cleaning products on the exterior of the dishwasher.

Cleaning and Maintaining the Interior

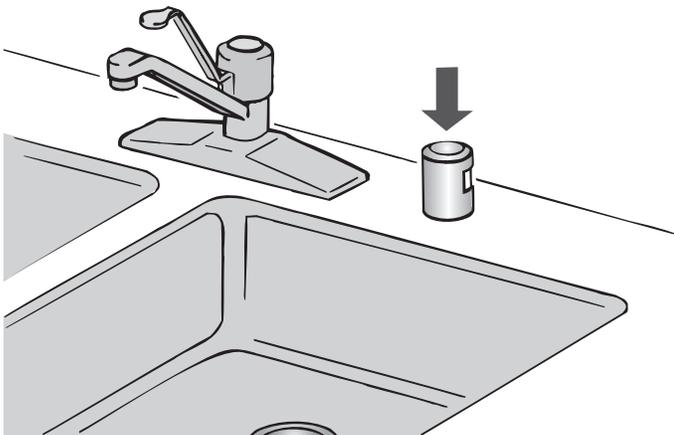
Many detergents may leave white spots or a white residue on dishwasher and on the interior of the dishwasher. Over time this residue can become unsightly and could affect dishwasher performance. Use of a dishwasher cleaning product such as affresh®+ Dishwasher Cleaner can help to remove the residue. Monthly use of affresh® Dishwasher Cleaner is recommended to help maintain the dishwasher. Follow package directions.

Another method to remove white residue is to use a vinegar rinse. However, vinegar is an acid and using it too often could damage your dishwasher.

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

NOTE: We recommend the use of high-quality, premeasured detergent tablets or packs and the use of rinse aid for dishwasher cleaning and daily care.

If you have a drain air gap, check and clean it if the dishwasher is not draining well.



To Reduce Risk of Property Damage During Vacation or Extended Time Without Use

- When you will not be using the dishwasher during the summer months, turn off the water and power supply to the dishwasher.
- Make sure the water supply lines are protected against freezing conditions. Ice formations in the supply lines can increase water pressure and cause damage to your dishwasher or home. Damage from freezing is not covered by the warranty.
- When storing your dishwasher in the winter, avoid water damage by having your dishwasher winterized by authorized service personnel.

Setting Menu

1. Press and hold the “Hi Temp” button for 5 seconds.
2. Release “Hi Temp” and press the “Start/Resume” button within 2 seconds. If you do not press Start within 2 seconds, then the display will turn off and you will need to start over and go back to step 1.
3. To go to a feature other than Water Hardness Level, press the “Normal” button to move to the feature you would like to change (Rinse Aid Level, Sound Level, Light in Tub, Kosher Friendly, Factory Reset). See the table for what is shown on the display to indicate these features.
4. Press the “Start/Resume” button to select the feature and enter the sub-menu. The display will change to show the current setting of the feature. (For example, if you selected Sound Level and you haven’t changed it before, then “S1” will show).
5. Press “Normal” button to change the value of the feature setting. (For example, if you want to turn the sound off, then press the “Normal” button and “S0” shows on display models).
6. Press the “Start/Resume” button to confirm the new selection. The feature setting will not be changed until the “Start/Resume” button is pressed.

The dishwasher will return to the Off state when the Start button is pressed.

LETTER	SETTING (Features varies by model)	VALUES (Default - in bold)
[H]	Water Hardness Level (see “SETTING THE WATER HARDNESS” and “WATER HARDNESS TABLE”)	0 1 2 3 4 5
[R]	Rinse Aid Level (see “ADJUSTING THE DOSAGE OF RINSE AID”)	0 1 2 3 4 5 6
[S]	Sound “1” = On, “0” = Off	1 0
[L]	Light in the Tub (on some models) “1” = On, “0” = Off	1 0
[K]	Kosher Friendly mode “1” = On, “0” = Off	1 0
[D]	Display on the floor (on some models) “1” = On, “0” = Off	1 0
[F]	Factory Settings Press START/Pause to restore to the factory default all the values of the settings included in the settings menu.	-

NOTE: Refer to the online Cycle Guide for complete cycle and setting details.

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

Water Softening System

IMPORTANT: If you have hard water (above 15 grains) and do not have a whole house water softener, the water softener and the heating element may be damaged as a result of limescale accumulation. In such instances of hard water, the water softener in the dishwasher should be used.

The water softener reduces water hardness thereby reducing calcium buildup on the heater, inside the dishwasher, and on your dishes. Soft water also allows your detergent to operate more efficiently. This system regenerates using salt, so it is necessary to keep the salt reservoir filled. The regeneration process occurs as needed during a cycle to keep the water softener operating properly. The frequency of regeneration depends on the water hardness level setting. The water softener system is "OFF" by default from the factory, so if the water softener is to be used, the system must be set to "ON" by selecting a water hardness level using setting menu. See water hardness setting table.

Water Hardness Setting

Determine your water hardness by obtaining information from a water quality report from your water supplier or purchase a water hardness test kit at a hardware store.

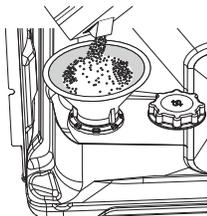
The water softening system is turned off from the factory (hardness setting "0"). To turn on your water softener, you must set the water hardness level in the "SETTING MENU" using the hardness setting value from the following "WATER HARDNESS TABLE". Once the system is turned on, the salt reservoir must be filled with special dishwasher softener salt and water.

Water Hardness Table		
Level	Grains per gallon (gpg)	Parts per million (ppm)
0	Water softener off (factory setting)	
1	0-6	0-100
2	6-12	100-200
3	12-18	200-300
4	18-36	300-600
5	>36	>600

Filling The Salt Reservoir

The salt reservoir is located in the lower part of the dishwasher (under the lower rack on the left side). Once your water softener system is turned on, you must fill the reservoir with dishwasher softener salt and water. As the salt supply is used up with successive system regenerations, a low-salt indicator will light on the control panel indicating it's time to refill the salt. Once salt is refilled, the light will turn off.

1. Remove the lower rack and unscrew the reservoir cap (by turning the cap counter-clockwise).
2. Position a funnel (comes along with your dishwasher) and fill the salt reservoir right up to its edge (approximately 0.5 kg); it is not unusual for a little water to leak out.



3. If filling the reservoir for the first time, it is also necessary to fill the reservoir with water after filling with salt. When refilling salt, there is no need to add more water.
4. Remove the funnel and wipe any salt residue away from the opening. Make sure the cap is screwed on tightly so that no detergent or food can get into the reservoir during the dishwasher use (this could damage the water softener beyond repair).

IMPORTANT: Run a cycle every time as soon as you completed refilling the salt reservoir to avoid corrosion.

Cleaning the Filters

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

Recommended Time Interval to Clean Your Filter			
Number of loads per week	If you only scrape before loading*	If you scrape and rinse before loading	If you wash before loading
8-12	Every two months	Every four months	Once per year
4-7	Every two months	Once per year	Once per year
1-3	Twice per year	Once per year	Once per year

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

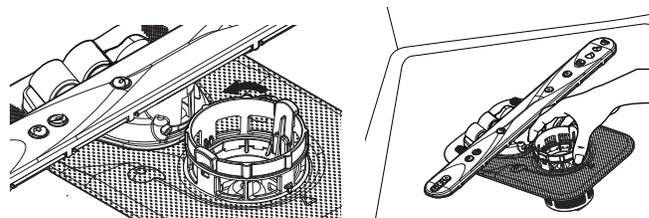
Very Hard Water

If you have hard water (above 15 grains) and you do not have a whole house water softener system, be sure to turn on and use the water softener in the dishwasher. Also clean your filter at least once per month. Building up of white residue on your dishwasher indicates hard water. For tips on removing spots and stains, see the online "Troubleshooting" section.

NOTE: Online references can be found in the Quick Start Guide.

Filter Removal Instructions

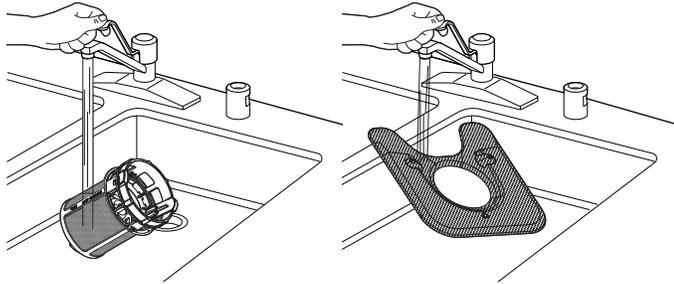
1. Turn the upper filter assembly 1/4 turn counterclockwise and lift out.
2. Separate the upper filter assembly by gently pulling apart.
3. Clean the filters as shown.



Cleaning Instructions

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

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



For more detailed instructions on how to install the filter after cleaning, watch the video by scanning the QR code:



Error Codes/Blinking Lights

Issue	Code Shown (7 Seg Display) (if present)	Code Shown on Front Panel LED* (# blinks, Pause, # blinks)	What will happen?	What to do?
Dishwasher fails to operate fill valve correctly	F1E1/F1E5	1 Pause 1 Pause - pause, repeat	Drain sequence will begin, machine operation will be prevented.	Turn off water to unit (if possible). Turn off power to unit. If the water cannot be turned off, DO NOT turn off power and keep door closed. Press Cancel key one time to silence alarm tone. Call service.
Motor controller failure	F1E2	1 Pause 2 Pause, repeat	Cycle ends.	Call service.
No water present at dishwasher	H2O	8 Pause 1 Pause - pause, repeat	Cycle is paused.	Ensure fill hose is connected to product. Ensure water supply is turned ON. Press Start to resume cycle. If alarm still present, call service.
User interface service communication fault	F6E1	6 Pause 1 Pause - pause, repeat	Product will not able to start or resume cycles.	Call service.
Wash motor failure	F7E2	7 Pause 1 Pause, repeat/7 Pause 2 Pause, repeat	Cycle ends.	Call service.
Sensor detects water left in the sump	F7E3	7 Pause, 3 Pause - pause, repeat	Cycle ends.	Call service.

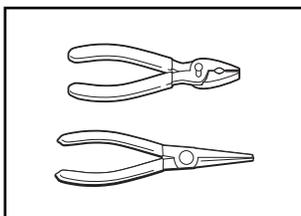
Issue	Code Shown (7 Seg Display) (if present)	Code Shown on Front Panel LED* (# blinks, Pause, # blinks)	What will happen?	What to do?
Dishwasher overfills	F8E4	8 Pause 4 Pause - pause, repeat	Drain sequence will begin, machine operation will be prevented.	<p>For Professional Installers</p> <p>Turn off water to unit (if possible). Turn off power to unit. If the water cannot be turned off, DO NOT turn off power and keep door closed. Press Cancel key one time to silence alarm tone. Call service.</p> <p>For Self Installers</p> <ul style="list-style-type: none"> ■ Press CANCEL button twice or cycle power. This may clear the issue. ■ Check to see if the wire connector is connected to the float switch on the drip tray. If the wire is off, reconnect and then hit the cancel button twice. ■ Check to see if there is any water in the drip tray. If water is in the drip tray, remove the water and reinstall the drip tray. Make sure to connect the wiring to the float. Check to see where water may have leaked into the drip tray (Check the water inlet fittings to see if they are leaking). ■ If water was in the tray and no leaks were found, run the product on the shortest installation cycle while checking for leaks. The access panel should be off to observe any leaks. ■ If problem still exists, call for service.
Fill valve stuck on	F8E5	8 Pause 5 Pause - pause, repeat	Drain sequence will begin, machine operation will be prevented.	Turn off water to unit (if possible). Turn off power to unit. If the water cannot be turned off, DO NOT turn off power and keep door closed. Press Cancel key one time to silence alarm tone. Call service.
Dishwasher will not drain	F9E1	9 Pause 1 Pause - pause, repeat	Cycle ends.	If drain hose is connected to a garbage disposal, confirm that drain hose is not clogged and disposal plug has been knocked out. If unit still will not drain, call service.
Variable Speed Drain Motor Fault - Locked Rotor or Not Primed	F9E3	9 Pause, 3 Pause - pause, repeat	Cycle ends.	Call service.

INSTALLATION REQUIREMENTS

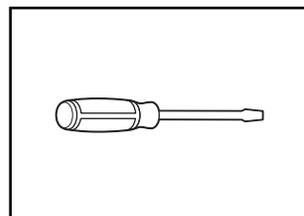
Tools and Parts

Gather the recommended tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

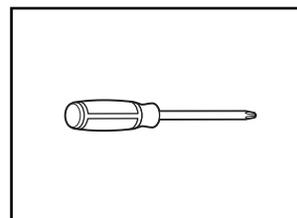
Tools Needed:



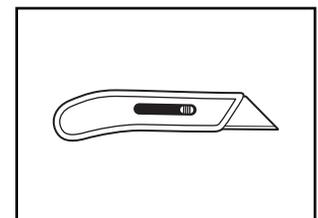
Pliers



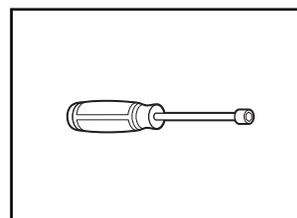
Flat-blade screwdriver



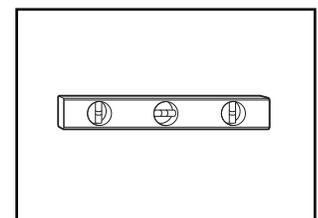
#2 Phillips screwdriver



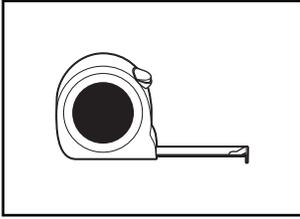
Utility knife



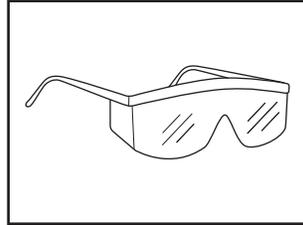
5/16" (8 mm) and 1/4" (6.35 mm) nut drivers or hex sockets



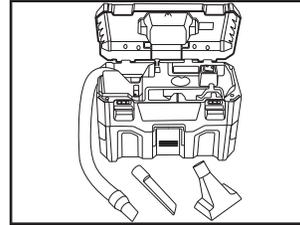
Small level



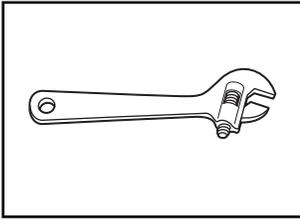
Measuring tape



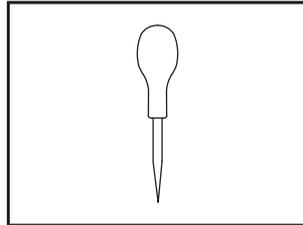
Safety Glasses



Portable vacuum cleaner

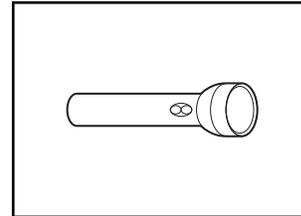


10" (254 mm) adjustable wrench that opens to 1 1/8" (29 mm)

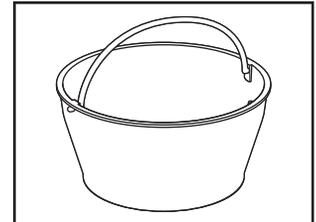


Awl

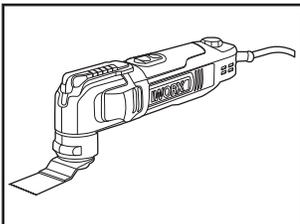
Other Useful Items You May Need:



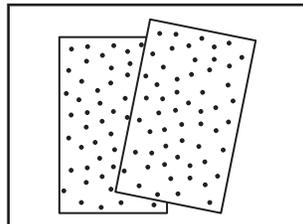
Flashlight



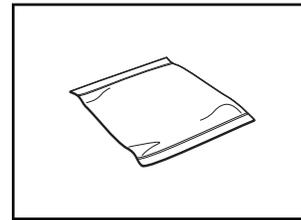
Bucket or Shallow pan



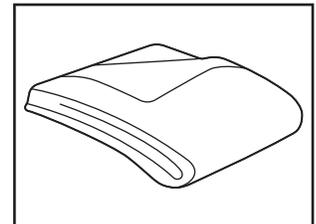
Oscillating Tool



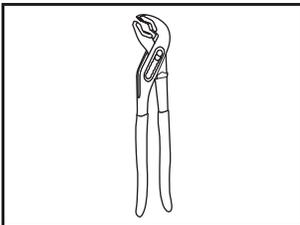
Sand paper



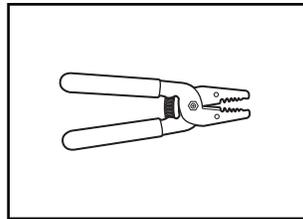
Bath towel



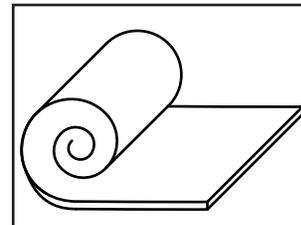
Moving blanket



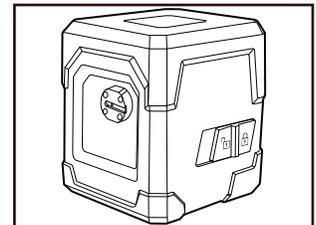
Pliers



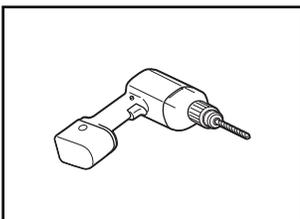
Wire strippers



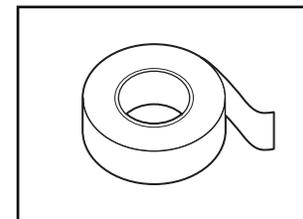
Floor protector



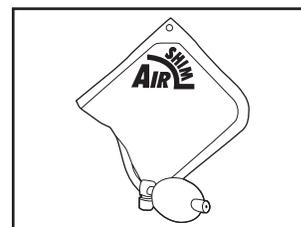
Laser level



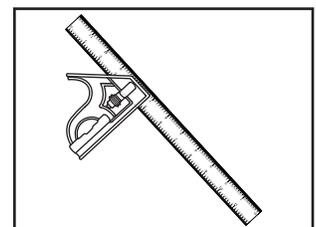
With 1 1/2" (38 mm) Forstner Drill Bit, 3/4" (19 mm) Forstner Drill Bit, and 1/16" (2.38 mm) Drill Bit, 1 3/4"-2" (45-50 mm) Forstner Drill Bit



Double sided adhesive

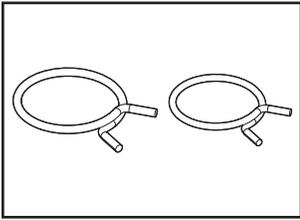


Air shim (3)

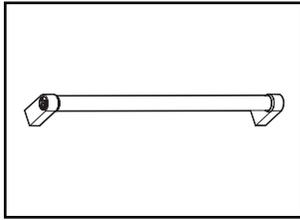


Combination square

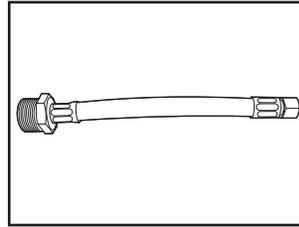
Parts Supplied:



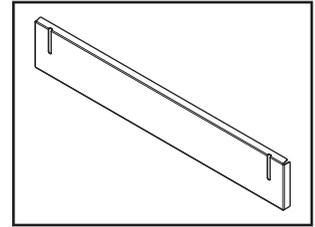
Drain hose clamps (2) One Large (Black) and One Small (Silver)



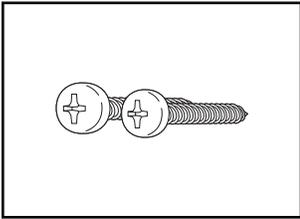
Door handle (on some models)



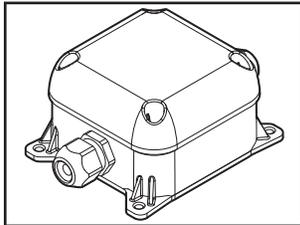
Water Inlet Adapter for hose with Leak Detection System (on some models)



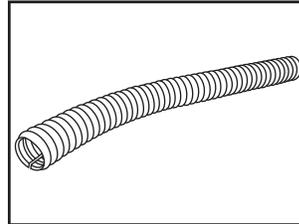
Additional/tall Toe Panel shipped uninstalled at the back of the dishwasher.



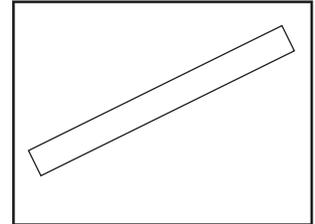
3.5 mm x 18 mm Phillips head screw (2)



Junction box



Cabinet Grommet (corrugated tubing)

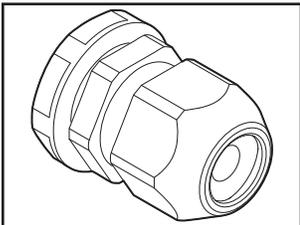


Moisture Barrier Tape

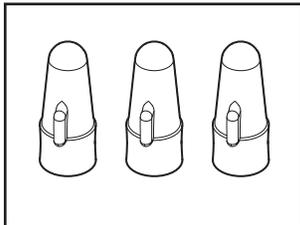
For 1 1/2" (38 mm) hole in cabinet

NOTE: Required for metal cabinets.

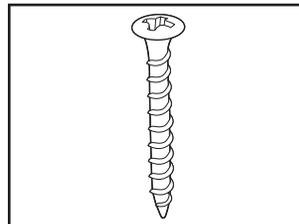
NOTE: Moisture barrier tape is recommended if installing a dishwasher under a wooden countertop.



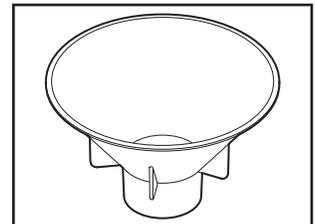
Cable fittings (2) inside the junction box



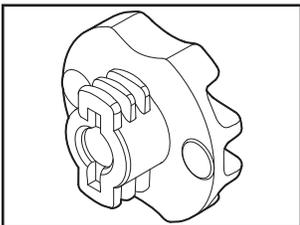
Wire nuts (3) inside the junction box



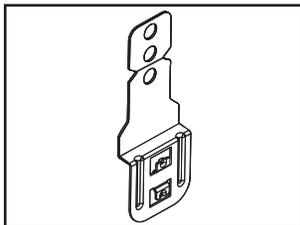
#3.5 x 18 mm screws (4) for Cabinet mount



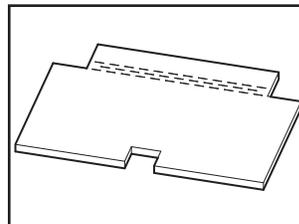
Salt funnel



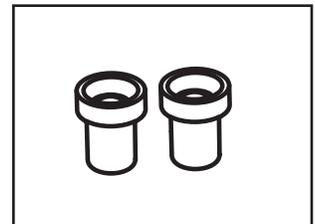
Plastic thick spacers (4)



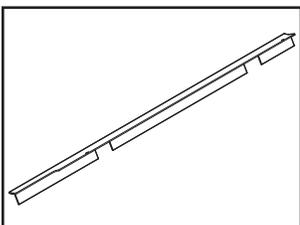
Metal brackets (4)



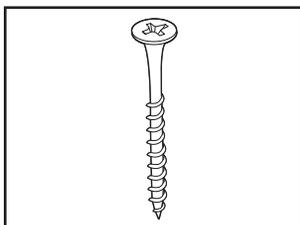
Floor insulation (on some models)



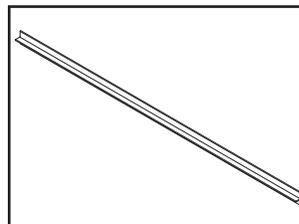
Studs (on some models)



Side gap covers (2)



#4 x 38 mm screws (4) for Panel ready mount



T-Gasket (on some models)

Make sure all these parts are included in the literature package.

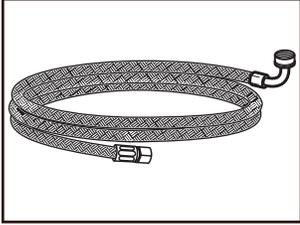
Optional Accessory Parts Available:

Call us at our toll-free number or visit our website listed on the Quick Start Guide for optional accessory part information.

First-Time Installations

Check local codes. Check existing electrical supply. See the "Electrical Requirements" section. It is recommended that electrical connections be made by a licensed electrical installer.

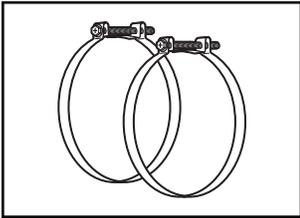
Additional Parts Needed (not provided):



3/8" (9.5 mm) to 3/4" (19 mm) elbow fitting adapter with inlet hose

Whirlpool Part Number, W10278635RP, 6 ft (1.8 m) inlet hose

Whirlpool Part Number, 8212486, 12ft (3.6 m) inlet hose

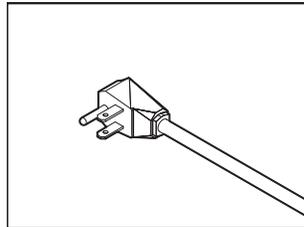
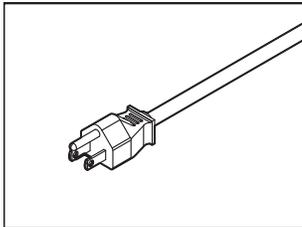


Screw-Type Clamps

1 1/2"-2" (38 mm-50 mm) (3 maximum)

NOTE: Be sure to purchase only Whirlpool factory-certified parts and accessories for your appliance. Your installation may require additional parts. To order, refer to the contact information referenced in your Quick Start Guide.

For Power Cord



Power Cord Kit

Kit typically includes power cord (Cord Kit - Straight: Whirlpool Part Number W11670634, Right Angle: Whirlpool Part Number W11546624), Cable fitting.

NOTE: The Cord Kit - Straight: Whirlpool Part Number W11670634 is recommended for most installations.

For proper installation, refer to the installation instructions provided with the kit.

NOTE: Be sure to purchase only Whirlpool factory-certified parts and accessories for your appliance. Your installation may require additional parts. To order, refer to the contact information referenced in your Quick Start Guide.

Location Requirements

Dishwasher must be fully enclosed (top, sides, back, and floor) upon installation.

An optional moisture barrier accessory is also available for installing underneath a wooden countertop.

Check location where dishwasher will be installed. The location must provide:

- Convenient access for loading and unloading dishes. Corner locations require a 2" (51 mm) minimum clearance between the side of the dishwasher door and the wall or cabinet.
- Easy access to water, electricity, and drain:
 - Grounded electrical supply is required.
 - This dishwasher has a water-heating feature and also requires a connection to a hot water supply line.
 - Make sure pipes, wires, and drain hose are within the shaded area shown in the "Cabinet Opening Dimensions" section.
 - Do not run drain lines, water lines, or electrical wiring where they can interfere with or contact dishwasher legs.
 - Shelter dishwasher and water lines leading to dishwasher against freezing. Damage from freezing is not covered by the warranty.

NOTE: If dishwasher will be left unused for a period of time or in a location where it may be subject to freezing, have it winterized by authorized service personnel.

- A square opening for proper operation and appearance.
- The cabinet front to be perpendicular to floor.
- A level floor.

Helpful Hint: If floor at front of opening is not level with floor at rear of opening, shims may be used to level dishwasher. Optional alignment method using a laser square; review the product help videos.

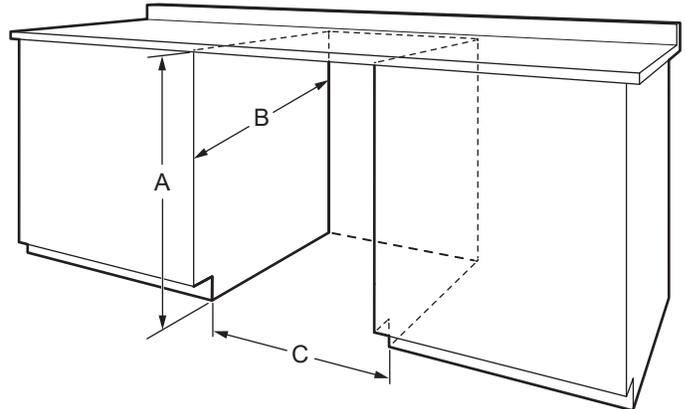
NOTE: To avoid shifting during dishwasher operation, shims must be securely attached to the floor.

- Do not install dishwasher over carpeted flooring.

Cabinet Opening Dimensions

Clearances

Check that all surfaces have no protrusions that would prohibit dishwasher installation.



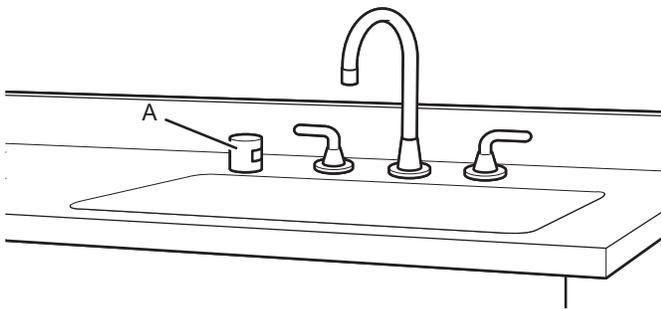
- A. 32⁵/₁₆"-35⁵/₁₆" (820-900 mm) measured from the lowest point on the underside of the countertop.
- B. 22¹/₁₆" (560 mm) Minimum
- C. 23⁵/₈" (600 mm) Minimum, measured from narrowest point of opening.

Drain Requirements

- A new drain hose is supplied with your dishwasher. If drain hose is not long enough, use a drain hose extension with a maximum length of 12 ft (3.7 m).
- Make sure to connect drain hose to waste tee or disposer inlet above drain trap in house plumbing and 20" (508 mm) minimum above the floor. It is recommended that the drain hose either be looped up and securely fastened to the underside of the counter or be connected to an air gap.

IMPORTANT: This product is not equipped with a high loop on the side of the dishwasher. The installer is responsible for adding a high loop in the adjacent cabinet. A high loop is required if the dishwasher will drain into a floor drain. This prevents water draw off from the dishwasher during operation. When the drain is connected to a sink drain, counter-top air-gap or disposer, the high loop is generally not required. An check valve internal to the drain prevents back-flow into the dishwasher.

- Make sure to use an air gap if the drain hose is connected to house plumbing lower than 20" (508 mm) above subfloor or floor.



A. Air gap

- If required, the air gap should be installed in accordance with the air gap installation instructions. When you are connecting the air gap, a rubber hose (not provided) will be needed to connect to the waste tee or disposer inlet.
- Use 1/2" (12.7 mm) minimum I.D. drain line fittings.

Water Supply Requirements

- This dishwasher may be fitted with a smart inlet hose with a water cut off valve. Do not cut the water inlet hose for any reason, to install, adapt or shorten.
- This dishwasher has a water heating feature and also requires a connection to a hot water supply line.
- A hot water line with 20 psi to 120 psi (138 kPa to 827 kPa) water pressure can be verified by a licensed plumber.
- 120°F (49°C) water at dishwasher
- 3/8" (9.5 mm) O.D. tubing with compression fitting or flexible braided or non braided water supply line.
- Included water inlet hose with Leak Detection System for some models.
- Included 3/8" (9.5 mm) Compression x 3/4" (19 mm) Water inlet adapter (only for models with Leak Detection System).
- If installed in new construction, make sure the house water supply lines have been flushed prior to connecting the dishwasher to remove any debris that may exist in the supply line.

Electrical Requirements

Be sure that the electrical connection and wire size are adequate and in conformance with the National Electrical Code, ANSI/NFPA 70 - latest edition, and all local codes and ordinances.

For a fee, a copy of the above code standards can be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471

You Must Have:

- 120 V, 60 Hz, AC-only, 15 A or 20 A, fused electrical supply.
- Copper wire only.
- A maximum of 2 field wiring supply conductors (12 AWG largest size) plus 1 grounding conductor are permitted in the terminal box.
- An included junction box for electrical connection.

We Recommend:

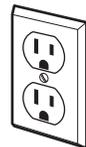
- Install the dishwasher on a circuit with appropriate interrupter per your local code. The dishwasher is compatible with time delay fuses, standard circuit breakers, and GFCI and AFCI circuit breakers.

Circuit Requirement:

- The dishwasher may be installed on the same circuit as a garbage disposal providing that the branch circuit cannot exceed rated circuit load and must comply with all governing codes and regulations such as but not limited to National Electrical Code, ANSI/NFPA 70 - latest edition.
- No electrical connections other than the dishwasher power and ground connections can be made inside of the dishwasher junction box.

If Connecting Dishwasher with a Power Cord:

- Use a UL-listed power cord kit marked for use with dishwasher. See the "Tools and Parts" section for part details.
- Plug into a grounded 3-prong outlet. Outlet must meet all local codes and ordinances.



If Connecting Dishwasher with Direct Wiring:

- Use flexible, armored, or nonmetallic sheathed copper wire with grounding wire that meets the wiring requirements for your home and local codes and ordinances.
- Use only the supplied plastic cable fittings for flexible and non-metallic sheathed wiring (Romex, etc.). Do not use metallic strain reliefs for these wire constructions.
- Use a UL-listed/CSA-approved metallic strain relief for armored cable installations (21 mm diameter) if using armored cable. Install the strain relief per the strain relief manufacturer's installation instructions.
- Use a UL-listed/CSA-approved metallic strain relief for flexible metal conduit installations if using flexible metal conduit. Install the strain relief per the strain relief manufacturer's installation instructions.



INSTALLATION INSTRUCTIONS

⚠ WARNING

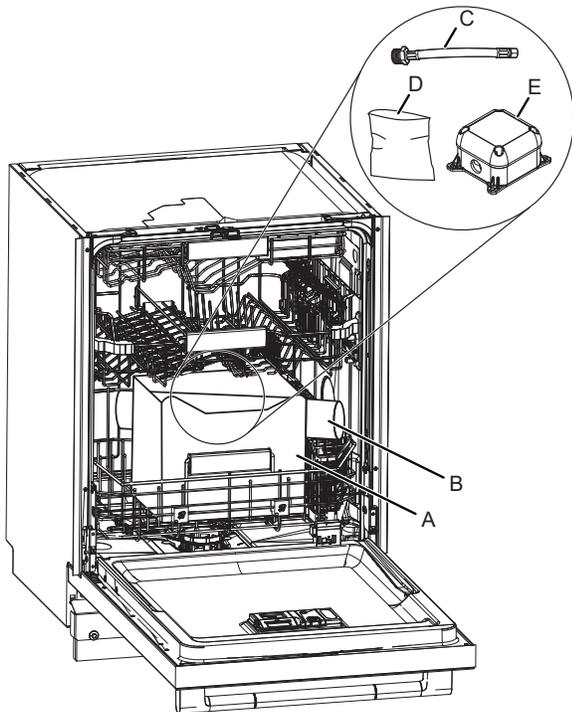


Tip Over Hazard

- Do not use dishwasher until completely installed.
- Do not push down on open door.
- Doing so can result in serious injury or cuts.

You Need To:

- Slowly open the dishwasher door while someone grasps the rear of the dishwasher. Remove shipping materials. Place included parts and literature aside in a safe place for later. Close dishwasher door until latched.



- A. Cardboard box containing the Accessories
- B. Cardboard tube containing the Handle (on some models)
- C. 3/8" to 3/4" (9.5 mm to 19 mm) Water Inlet Adapter
- D. Assembly accessories
- E. Junction box

IMPORTANT: Do not throw away the Cardboard box. It contains installation materials inside.

NOTE: Each dishwasher is tested at the factory and may contain some residual water in the tub as a result of the test.

- Observe all governing codes and ordinances.
- Install this dishwasher as specified in these instructions.
- The dishwasher must be installed to meet all electrical and plumbing national and local codes and ordinances.
- Be sure when installing or moving the appliance that the power cord is not kinked or damaged.

WARNING: To reduce the risk of electric shock, fire, or injury to persons, the installer must ensure that the dishwasher is completely enclosed at the time of installation.

Before You Begin

⚠ WARNING



Electrical Shock Hazard

- Disconnect electrical power at the fuse box or circuit breaker box before installing appliance.
- Failure to do so can result in death or electrical shock.

1. Disconnect power

Disconnect electrical power at the fuse box or circuit breaker box before installing dishwasher.

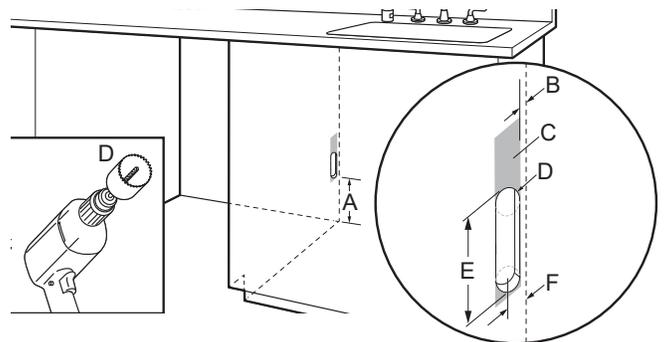
2. Shut off water supply

Shut off water supply to the dishwasher.

Prepare Cabinet Opening – New Utilities

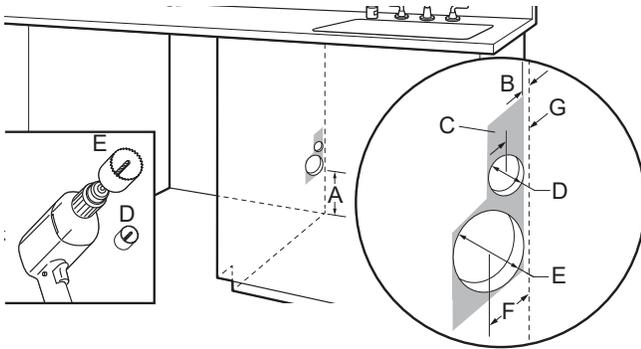
NOTE: The electric and water holes may or may not be on the same cabinet wall. It will depend on the location of water and electric connections.

3. Drill hole location for Water Supply and Drain hose (Preferred hole type)



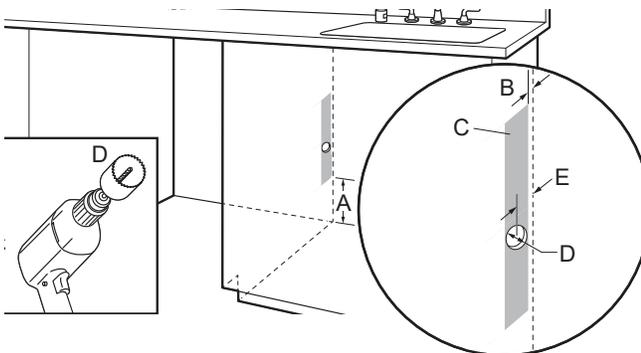
- A. 6" (152 mm), minimum height of allowable area from bottom for utility connections.
- B. 1/2" (12.7 mm), Thickness of back cabinet wall.
- C. 2 1/4" width x 6 1/16" height (57.20 x 154.40 mm), Allowable area for utility connections.
- D. 1 3/4" (44.4 mm), Diameter of Oval hole for water supply and drain hose.
- E. 3 3/4" (95.3 mm), Height of Oval hole for water supply and drain hose.
- F. 2 1/4" (57.1 mm), Distance between center of Oval hole to the back of the cabinet wall.

4. Drill hole locations for Water Supply and Drain hose (Optional hole type)



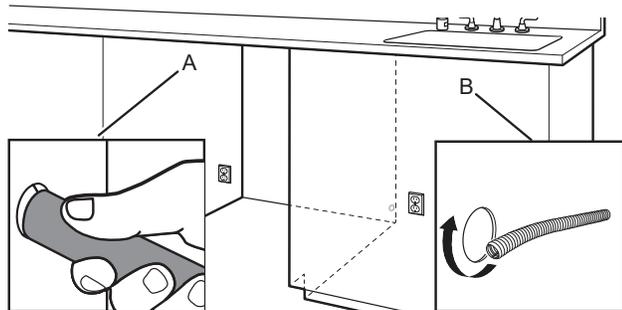
- A. 6" (152 mm), minimum height of allowable area from bottom for utility connections.
- B. 1/2" (12.7 mm), Thickness of back cabinet wall.
- C. 3 1/2" width x 6" height (88.9 x 152.4 mm), Allowable area for utility connections.
- D. 1 1/2" (38.1 mm), Diameter for drain hose hole.
- E. 3 1/2" (88.9 mm), Diameter for water supply hose hole.
- F. 2 1/4" (57.1 mm), Distance between center of water supply hose hole to the back of the cabinet wall.
- G. 1 1/4" (31.7 mm), Distance between center of Drain hose hole to the back of the cabinet wall.

5. Drill location for Electrical conduit hole



- A. 6" (152 mm), minimum height of allowable area from bottom for utility connections.
- B. 1/2" (12.7 mm), Thickness of back cabinet wall.
- C. 1 1/2" width x 12" height (38.1 x 304.8 mm), Allowable area for utility connections.
- D. 1 1/2" (38.1 mm), Diameter for Electrical conduit hole.
- E. 1 1/4" (31.7 mm), Distance between center of Electrical conduit hole to the back of the cabinet wall.

6. Sand holes smooth



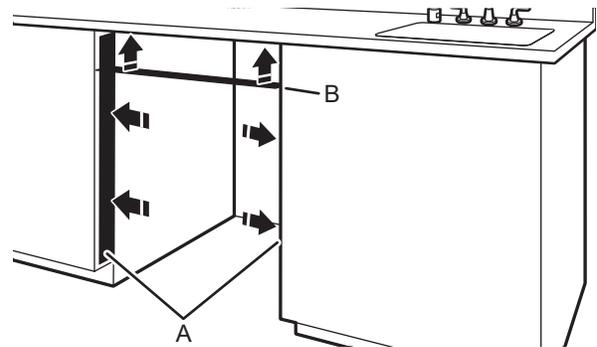
- A. Wood cabinet
- B. Metal cabinet

Wood cabinet: Sand the hole until smooth.

Metal cabinet: Cover edges of hole with grommet (corrugated tubing) included with installation materials inside the dishwasher. Cut length to match hole perimeter.

Install Moisture Barrier (Recommended for Wood Countertops)

Moisture barrier/Wood shims

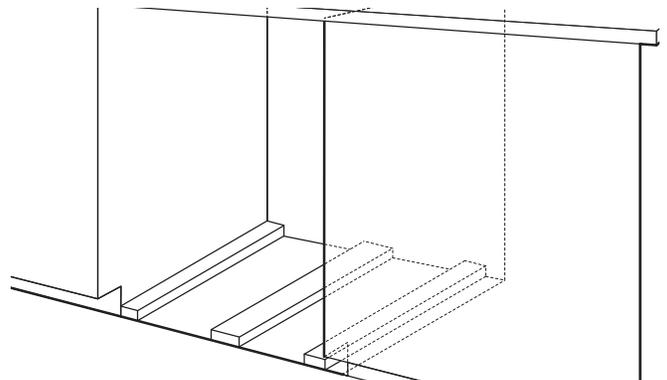


- A. Install wood shims
- B. Moisture barrier

Make sure the area under the countertop is clean and dry for installation of the moisture barrier. Remove the backing of the moisture barrier and apply to underside of the countertop along the front edge of the counter. Trim the moisture barrier as required.

NOTE: Install wood shims if side anchoring and the gap between sides of the dishwasher are greater than 1/2" (12.7 mm) on each side or are greater than the length of the anchor screws.

7. Built-up floors – add shims as needed



Built-up floors: If the kitchen floor is higher than the cabinet opening's floor—for example, the kitchen floor tile does not extend into the cabinet opening—add shims, as needed, in the area shown to bring the dishwasher up to 34" (864 mm) below the countertop.

NOTE: Shims must be securely attached to floor to avoid movement when the dishwasher is in use.

Prepare Dishwasher

⚠WARNING



Tip Over Hazard

Do not use dishwasher until completely installed.
Do not push down on open door.
Doing so can result in serious injury or cuts.

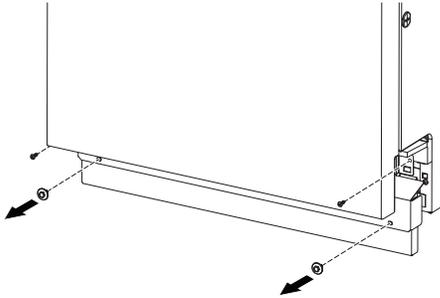
⚠WARNING

Excessive Weight Hazard

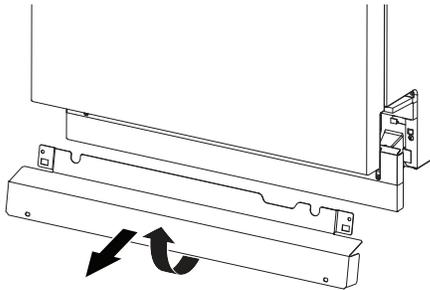
Use two or more people to move and install or uninstall appliance.
Failure to do so can result in back or other injury.

Remove Access and Toe Panels

8. Access panel

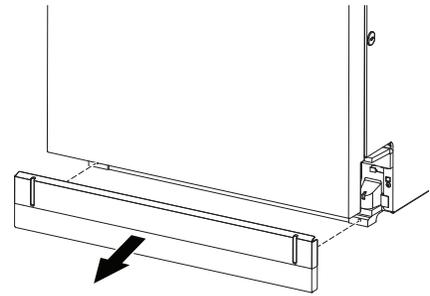


Using a 1/4" (6.35 mm) nut driver or Phillips screwdriver, remove 4 screws attaching Access panel to dishwasher.



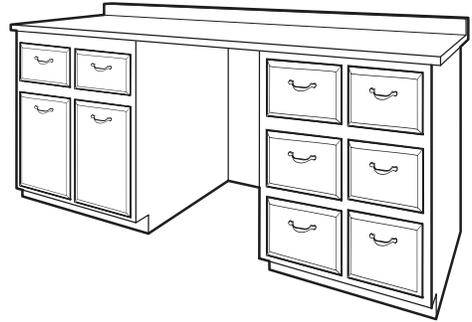
Slowly lift and remove the Access panel from the hooks of dishwasher.

9. Toe panel



After removing the access panel remove the toe panel.

10. Measure cabinet opening



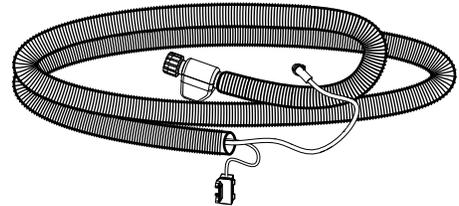
There is a leveling system on the front of the base carrier. Once the dishwasher is within the cabinet space, use the leveling adjuster to adjust the dishwasher up to the height of the cabinet.

Adjust both front and back leveling legs to the same height.

Connect Water Line to Fill Valve

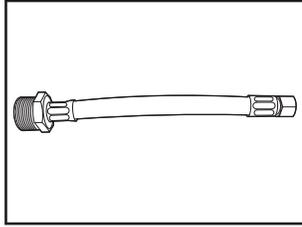
The dishwasher may come with the inlet hose already attached with a threaded connection. It needs to be connected to the inlet end on the house connection.

11. Leak Detection System Hose (on some models)



Use the Leak Detection System hose with included 3/8" (9.5 mm) to 3/4" (19 mm) water inlet adapter.

12. Add 3/8" (9.5 mm) to 3/4" (19 mm) water inlet adapter to the Leak Detection System Hose (on some models)



Connect the 3/8" (9.5 mm) compression fitting of the water inlet adapter to the water supply line and attach the 3/4" (19 mm) connection to the Leak Detection System hose .

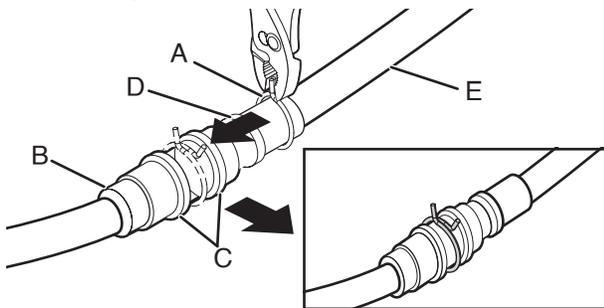
13. Accessory inlet hose



See the "Tools and Parts" section at the front of the guide for part details and order. Connect the 3/8" (9.5 mm) compression fitting to the water supply line and Attach the 3/4" (19 mm) elbow fitting connection to the dishwasher facing upward as shown above. Confirm the flexible braided or non braided line is long enough to reach the house water connection. If the hose is not long enough, have a plumber install a supply valve closer to the dishwasher.

If a Drain Hose Extension is Required

14. Slide clamp onto connector

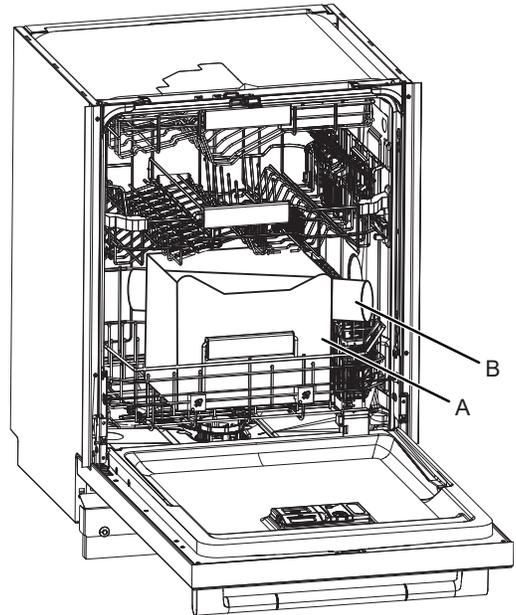


- A. Silver clamp
- B. Rubber drain hose connector
- C. Stop
- D. Drain hose stop
- E. Drain hose

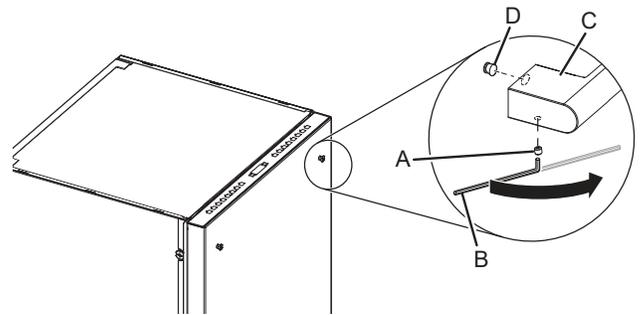
Using pliers, squeeze open the silver drain hose clamp, and slide it onto the connector between stops.

Install Door Handle (on some models)

15. Install Door Handle



- A. Cardboard box containing the Accessories
- B. Cardboard tube containing the Door Handle (on some models)



- A. Setscrew (in the bottom of the handle)
- B. Hex key
- C. Handle
- D. Mounting stud

IMPORTANT: Do not scratch the front panel during this procedure. If door panel has a protective film, peel film back past the point of the handle studs before installing handle. Handle is easiest to install while unit is on its back.

Remove the door handle and hex key from the packaging. Setscrews are already installed in the handle. Place handle on mounting studs with the setscrews facing towards the bottom of dishwasher. Push the door handle tightly against the bottom of dishwasher. Insert the short end of the hex key into the setscrews. Tighten the setscrews 1/4 turn past snug.

Retain hex key with Owner's Manual.

Place Dishwasher in Cabinet

Refer to the section “Electrical Connection” in this Owner’s Manual for connecting to the power supply before placing the dishwasher in the cabinet.

⚠️ WARNING

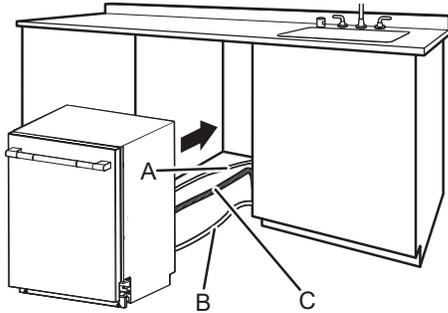
Excessive Weight Hazard

Use two or more people to move and install or uninstall appliance.

Failure to do so can result in back or other injury.

NOTE: Route water supply, drain hose, and power cord out the rear of the dishwasher.

16. Move dishwasher close to cabinet opening

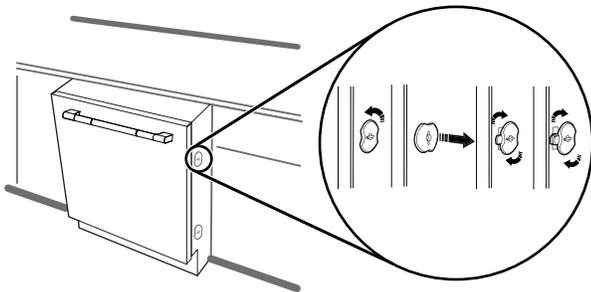


- A. Water line
- B. Junction box cable
- C. Drain hose

Route the utilities through the holes in the cabinet and pull the slack out at the same time as the dishwasher is pushed into the cabinet.

NOTE: Route electrical lines only through the electrical conduit hole that was previously sanded or protected by a grommet.

17. Adjust side spacers



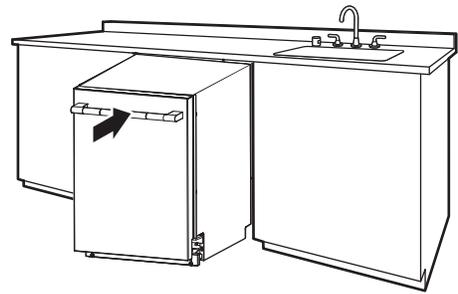
Measure the top and bottom width of opening of the frame less cabinet. Remove and adjust the 4 included dishwasher spacers, by turning 90 degrees, and removing with a slotted screwdriver. Each spacer has 3 positions.

NOTE: If the cabinets are not frame less, additional spacers will be required (included) and need to be applied by the installer.

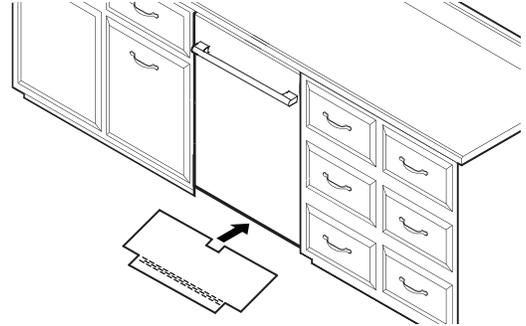
Types of Cabinets	Types of Attachment
Frame less cabinets	Plastic spacers
Face frame cabinets	Metal brackets

See section “Secure Dishwasher in Cabinet Opening” in this Owner’s Manual for Securing dishwasher with different types of cabinets.

18. Move Dishwasher into final position



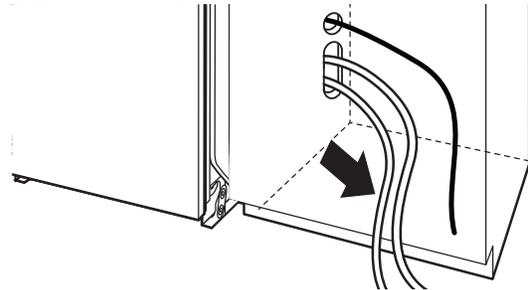
19. Place foam insulation pad below the dishwasher (on some models)



After pushing the dishwasher in the cabinet opening, adjust the leveling feet to standard height of 33⁷/₈" (860 mm) and up. Then take the floor insulation pad and slide it from the front (gap between the floor & the drip tray).

The floor pad is designed to go around the leveling legs.

20. Pull slack from utilities

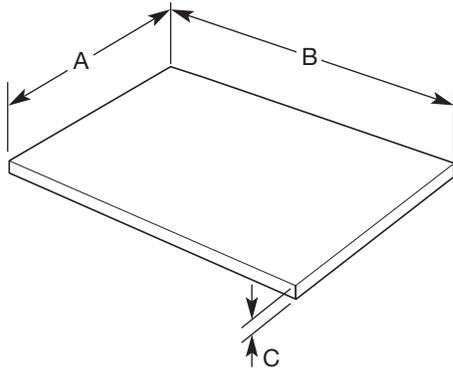


NOTE: Pull slack out of utilities at the same time the dishwasher is pushed into the cabinet opening to avoid any kinks.

Custom Panel Installation (on some models)

Custom Panel Dimension

Make sure that the custom panel is as per the recommended dimensions. See below image for the recommended dimensions.



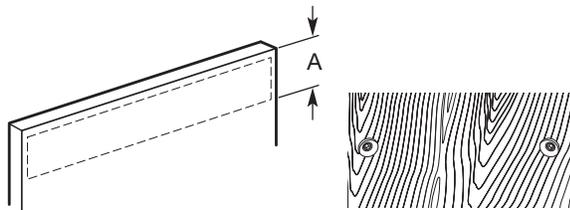
- A. $23\frac{9}{16}$ " (598 mm)
- B. $28\frac{3}{8}$ "-30" (720-762 mm)
- C. $5/8$ "-1" (16-25 mm)

A customer supplied door panel must weigh no more than 16 lbs (7.3 kg) with the handle (together). And must be made to specific dimensions as given above. It is recommended that a cabinet maker cut the custom panel because of the precise dimensions needed.

NOTE: The handle for the custom panel is not included.

Custom Panel Installation steps

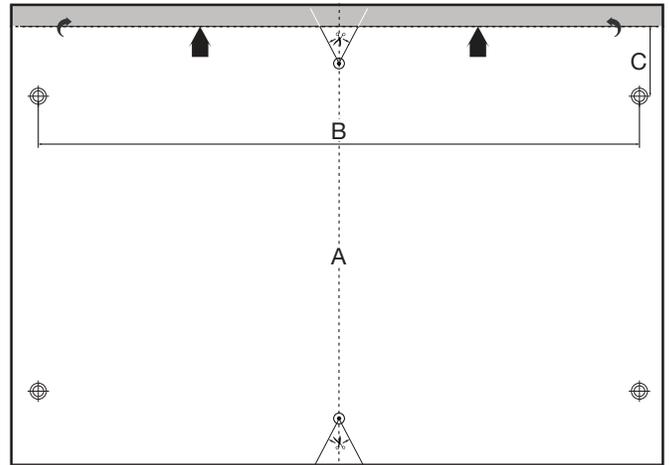
1. In an area that is flat and clear of debris, place down a blanket as a work surface.
2. Attach the custom panel handle as you would any other cabinet handle. Be sure to protect the finished surface with painters tape when preparing and recessing the rear panel to conceal attachment hardware.
3. Install the custom hardware handle(s) on the front of the custom panel, inside dotted line as shown below



A. 6" (152.4 mm)

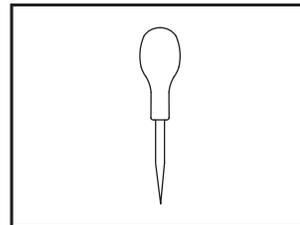
IMPORTANT: If the handle is attached from the back of the custom panel, the screw holes should be countersunk for the screw heads to be flush with the panel. If the handle is attached to the front of the custom panel, the screw lengths cannot exceed the panel thickness.

4. Place the custom panel with the face side down on the blanket, and note the planned top and bottom of the panel if applicable.

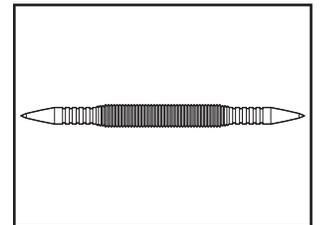


- A. $23\frac{9}{8}$ " (600 mm)
- B. $22\frac{1}{16}$ " (560 mm)
- C. $2\frac{9}{16}$ " (65 mm)

5. Using a tape measure, measure the top, center and bottom width of the panel, and mark the center location with either the edge of a tape piece or with a fine point pencil.
6. Using the straight edge draw a line connecting all the marked center lines so that the center of the panel is identified.
7. Using the provided template, align the centerline of the template with the center line of the door.

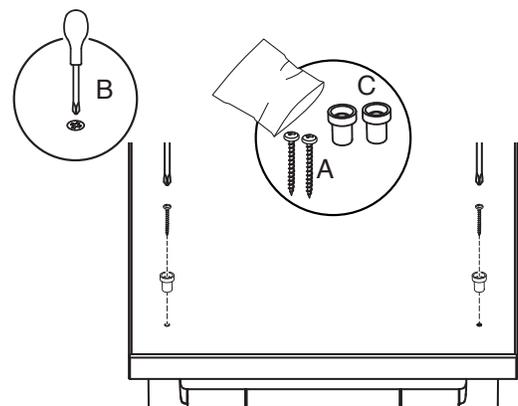


Awl



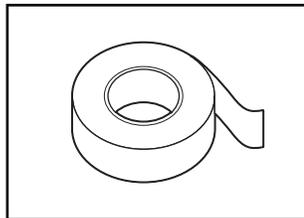
Center punch

8. Using a center punch or awl, mark the 2 locations on the template to be used for attaching the door studs. Remove the template. Attach the 2 door studs to custom panel using the included screws.



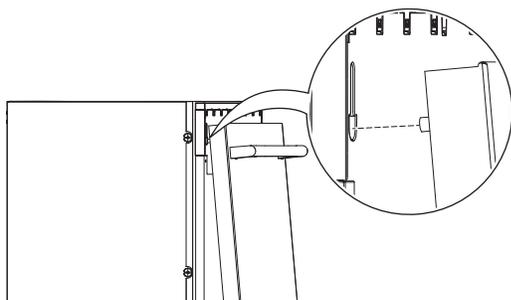
- A. 3.5 mm x 18 mm Phillips head screw (2)
- B. #2 Phillips screwdriver
- C. Studs

- Attach double sided adhesive to the door panel in the lower half, to temporarily aid in door alignment. These pieces of adhesive can be removed later after getting all the holes perfectly aligned.

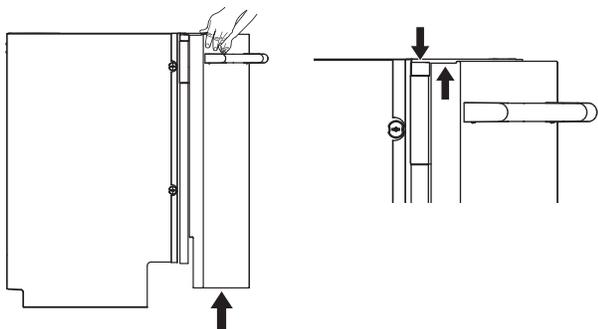


Double sided adhesive

- Insert one of the wood blocks from the packaging across the door opening to prop the door slightly open.
- Align the two door studs to the referenced tracks on the door, lifting up the door until the top panel is flush with the top of the dishwasher door.

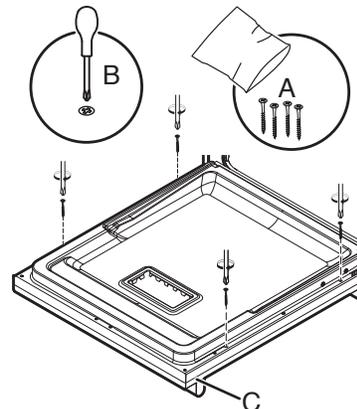


- While holding the alignment, press on the lower section of the door, to allow the double sided tape to grab and hold your alignment.



- If this process needs adjusting, Use a plastic putty knife between the panel and the door to relieve the double sided tape and free the panel.
- Open the door and panel together to the fully open position, making sure the panel has not shifted.

- Consider the material choice of the custom panel and attach the 1st of the 4 included door panel screws using a Phillips screwdriver. Check to ensure the door panel is still aligned. Repeat the screw installation for the 2nd hole.



- A. 4 x 38 mm Phillips head screw (4)
- B. #2 Phillips screwdriver
- C. Custom panel

- Check to ensure the door panel is still aligned.
- Repeat the screw installation for the last 2 screws.
- If desired, remove the screws and the panel to remove the temporary double sided tape.
- If the door to cabinet gaps are not even, make an adjustment to the dishwasher by loosening all 4 screws mounted to the adjacent cabinets. Make the position adjustment.
- Retighten all 4 screws mounted to the adjacent cabinets. All screws need to be tight to prevent the dishwasher from moving.

Electrical Connection

If house wiring does not reach into the adjacent cabinet to the dishwasher junction box mounting location, the house wiring will first need to be corrected by a qualified electrician in conformance with the National Electrical Code, ANSI/NFPA 70 - latest edition, and all local codes and ordinances.

⚠ WARNING



Fire Hazard

Use only the junction box supplied with the product when making electrical connections.

Do not bypass the junction box.

Failure to follow these instructions can result in death, fire, or electrical shock.

⚠️ WARNING



Electrical Shock Hazard

Electrically ground appliance.

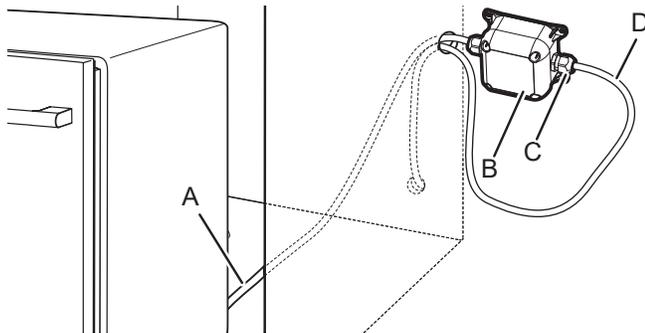
Connect wires together inside the junction box using the supplied wire nuts.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

Direct Wire Connection

1. Route the junction box cable from the dishwasher through the electrical conduit hole in the cabinet wall. Also route the home wiring through the same hole as shown below.



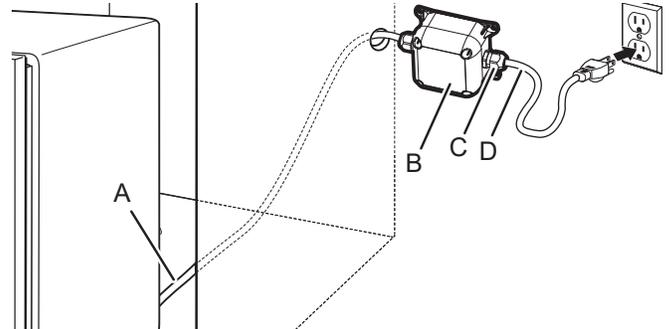
- A. Junction box cable
- B. Junction box
- C. Cable fittings (2)
- D. Home wiring

2. Refer to "Junction Box Assembly" section of this Owner's Manual to attach cable fitting to the home wiring and its assembly.
3. After the complete assembly of Junction box with home wiring, Secure the junction box to the back of the cabinet wall using four screws (not provided). Be sure to avoid driving screws into utility lines possibly located in the wall behind the junction box.

Power Cord Connection

1. Use power cord kit (sold separately per Whirlpool Part Number W11670634) and Junction box assembly (included) for connecting the dishwasher to the power supply as shown below. The power cord kit includes a straight plug that is recommended for most installations.

NOTE: To ease some installations, a power cord with a right angle plug is also available per Whirlpool Part Number W11546624.



- A. Junction box cable
- B. Junction box
- C. Cable fittings (2)
- D. Power cord

IMPORTANT: Do not plug cord into an outlet until instructed to do so.

2. Refer to "Junction Box Assembly" section of this Owner's Manual to attach cable fitting to the power cord and its assembly.
3. After complete assembly of Junction box with Power cord, Secure the junction box to the back of the cabinet wall using four screws (not provided). Be sure to avoid driving screws into utility lines possibly located in the wall behind the junction box.

Junction Box Assembly

1. The junction box comes in a plastic bag located inside a cardboard box in the lower rack of the dishwasher (previously removed at the beginning of the installation process).

⚠️ DANGER



Electrical Shock Hazard

Disconnect power before servicing.

Fully assemble cable fittings.

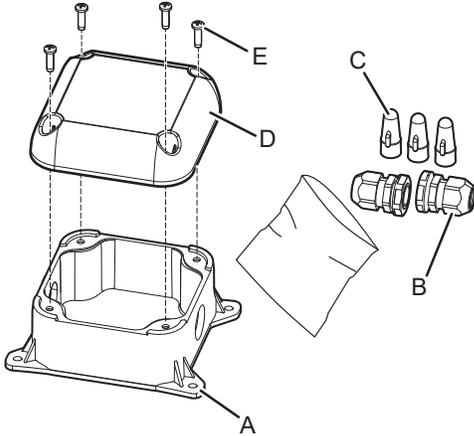
Place all wiring inside junction box.

Replace cover before reconnecting power.

Failure to do so can result in death, fire, or electrical shock.

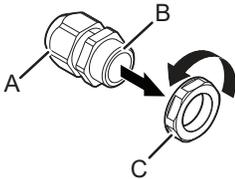
2. Route the junction box cable from the dishwasher through the electrical conduit hole in the cabinet wall.
3. Use a #2 Phillips screwdriver to remove the Junction box lid from the junction box (4 screws).

4. Remove the plastic bag containing cable fittings and wire nuts from the inside of the junction box. Take out the cable fittings and wire nuts from plastic bag.



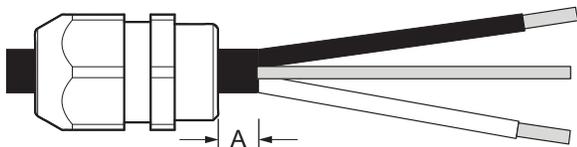
- A. Junction box base
 B. Cable fittings (2)
 C. Wire nuts (3)
 D. Junction box lid
 E. Screws (4)

5. Remove the mounting nuts from cable fittings as shown below.

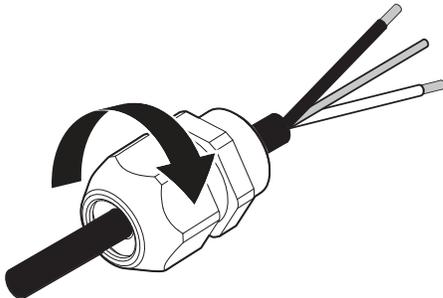


- A. Elongated (strain relief) nut
 B. Strain relief body
 C. Mounting nut

6. Attach one cable fitting to the junction box cable from the dishwasher paying thorough attention to the orientation (see below figure). The cable fitting shall tighten against the secondary insulation (PVC jacket).

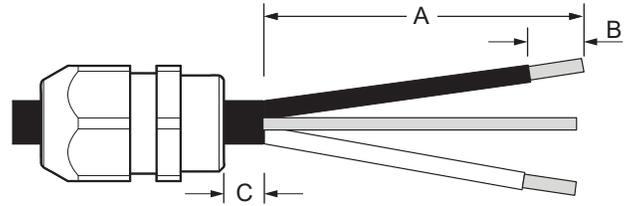


- A. 0.25" (6.35 mm) minimum



Use wrench and/or pliers to fully tighten the elongated (strain relief) nut against the strain relief body.

7. For Direct (home) wire connection (12-2/14-2 non-metallic sheathed/Romex), Strip jacket insulation of the home wire to the length of $5\frac{1}{16}$ " (129.3 mm) as shown below. Strip each wire end by 0.75" (19 mm). Attach the second cable fitting to home wiring paying attention to the orientation (see below figure). Use wrench and/or pliers to fully tighten the elongated (strain relief) nut against the strain relief body.

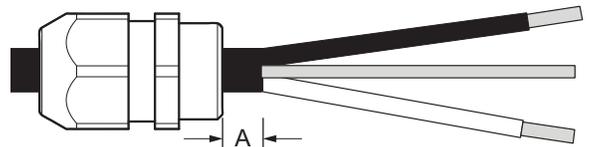


- A. $3\frac{3}{4}$ " (95 mm)
 B. 0.75" (19 mm)
 C. 0.25" (6.35 mm) minimum

8. For Direct (home) wire connection using armored cable or flexible metal conduit use only a UL/CSA-approved metallic strain relief for the type of conduit being used. Ensure 4" (101.6 mm) of wire is extending out past the end of the strain relief. Strip each wire end by 0.75" (19 mm). Attach the strain relief to the home wiring per the strain relief manufacturer's instructions. Attach strain relief to the box per the strain relief manufacturer's installation instructions.

If installing the junction box using armored cable or flexible metal conduit, either mount the box in a horizontal orientation so the strain reliefs are on the left and right side of the box when looking at it from the front, or if installing the box in a vertical orientation (with the strain reliefs above and below the box when viewing from the front), install it with the plastic strain relief coming from the product at the top and the metal strain relief at the bottom.

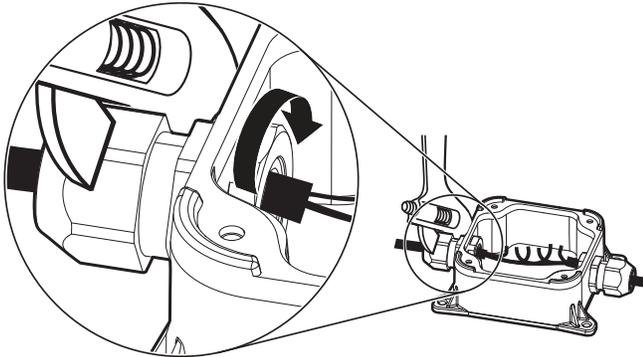
9. For power cord connection, attach the second cable fitting to the power cord paying attention to the orientation (see below figure). Use wrench and/or pliers to fully tighten the elongated (strain relief) nut against the strain relief body.



- A. 0.25" (6.35 mm) minimum

NOTE: Non-metallic sheathed wire is for direct wire connection only.

10. Route wire ends into the junction box through the round holes on the sides. Securely attach the cable fittings to the junction box using plastic mounting nuts supplied with the cable fittings. Hand tighten the mounting nuts to the cable fittings and then use a crescent wrench to tighten another 1/4 turn. Use a second wrench or pliers to secure the cable fitting body when tightening the mounting nut.



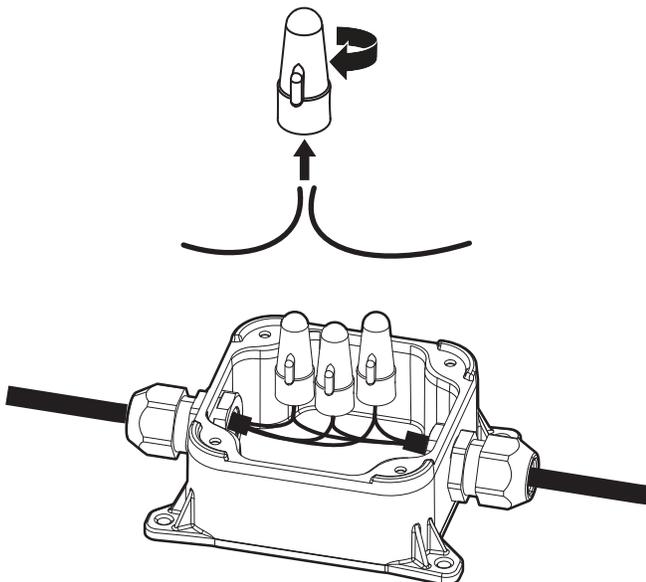
11. Connect wires together inside the junction box using the supplied wire nuts. Connect wires of the same color together (black to black, white to white, and bare/green to green).

NOTE: Do not pre-twist wires before making connections.

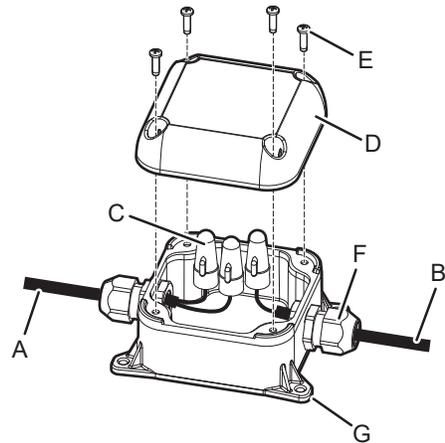
Wiring configuration

Home Wire or Power Cord		Junction Box Cable
white	↔	white
black	↔	black
bare/green	↔	green

12. To apply a wire nut, hold the stripped/bare ends of wires parallel to each other with their ends aligned. Firmly push wires into a wire nut and twist clockwise until secure (the insulated wires outside the connector begin to twist). Gently tug on each wire making sure they are secure.



13. Re-attach the junction box lid using a #2 Phillips screwdriver. Ensure that wires are not being pinched between the lid and base of the junction box. The Junction box lid must be attached with the 4 screws removed in step 3 and ensure the lid is fully closed and snugly attached to base.

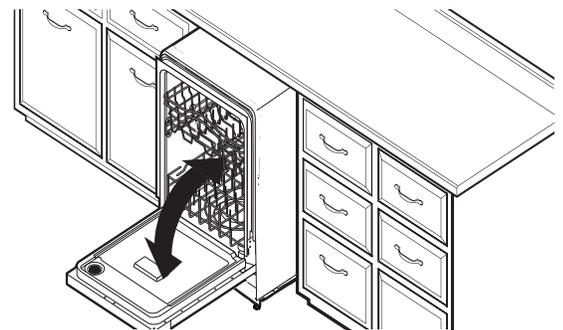


- A. Junction box cable
 B. Power cord or Home wiring
 C. Wire nuts (3)
 D. Junction box lid
 E. Screws (4)
 F. Cable fittings (2)
 G. Junction box base

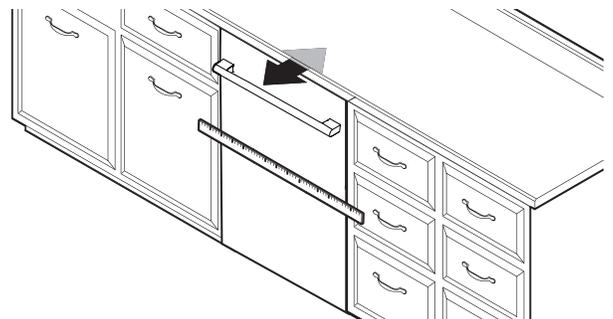
14. The junction box is not intended to be used with rigid metal conduit.

Final Installation Check

21. Open and close door

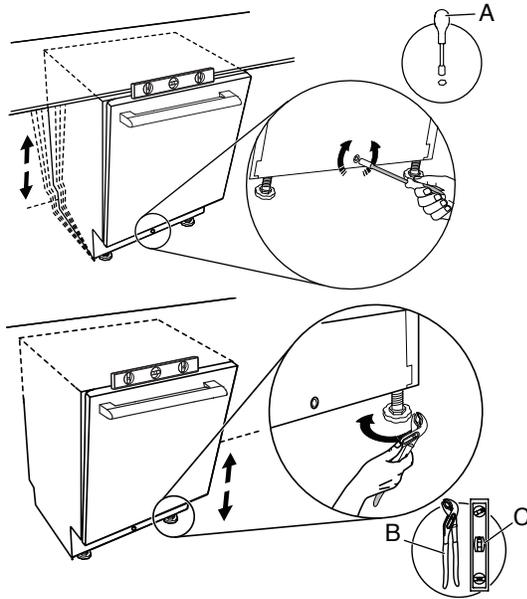


22. Align Dishwasher Flush to Cabinet



Align dishwasher flush to cabinet.

23. Check for plumb and adjust legs if needed



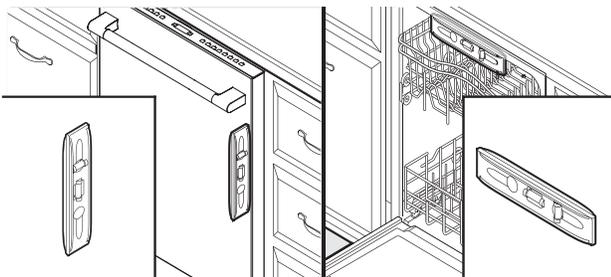
- A. 5/16" (8 mm) nut drivers or hexsockets
- B. Pliers - Adjustable upto 2" (5.0 cm)
- C. Small level

Use an adjustable wrench to adjust the front feet and a 5/16" (8 mm) socket to adjust the rear foot. Raise the dishwasher to 1/8" (3 mm) of the counter top. Check that the dishwasher is centered from left to right in the opening. If needed, adjust the leveling legs until the dishwasher is plumb.

Helpful Tip: If the front leveling feet are hard to adjust, protect the customer's floor and use an adjustable wrench. Or alternately, use of 2 or more air shims to temporarily lift the front of the dishwasher.

Secure Dishwasher in Cabinet Opening

24. Double-check dishwasher alignment in cabinet opening

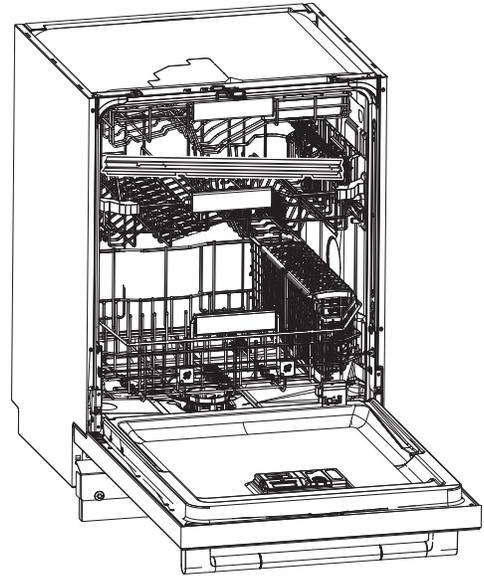


Check that dishwasher is still level front to back and side to side in the cabinet opening.

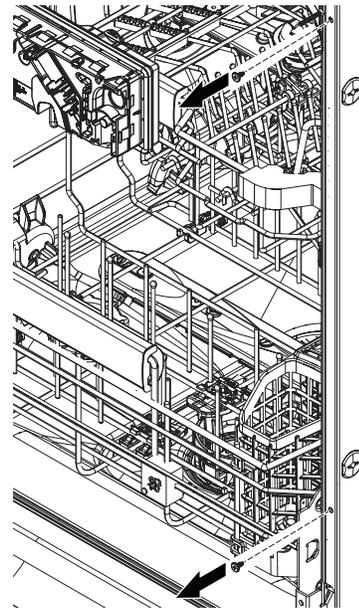
Open dishwasher door and place towel over pump assembly and spray arm of dishwasher. For some models, you may have to remove lower dish rack. This will keep screws from falling into pump area when you are securing dishwasher to countertop or cabinet.

25. Side Gap Covers

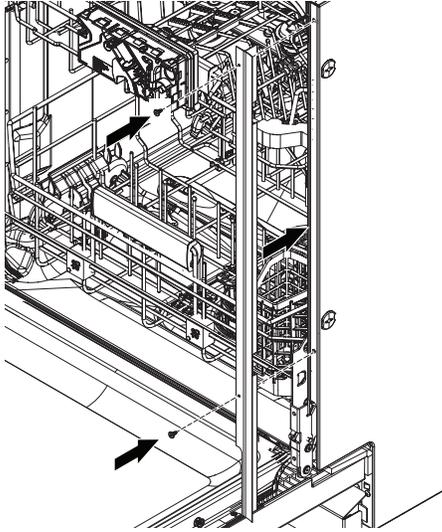
1. Remove the Side Gap Covers from the 2nd level rack of the dishwasher.



2. Remove the four screw from dishwasher.



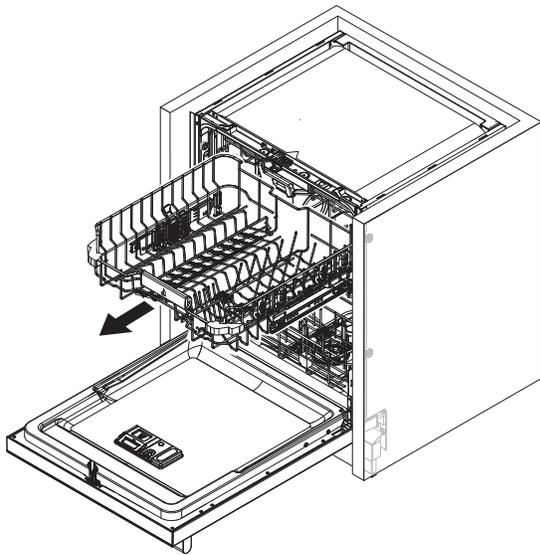
3. Position the Side Gap Cover as shown below and make sure to install the top screw first and the bottom screw at last.



4. Repeat above step to install the other Side Gap Cover to the dishwasher.

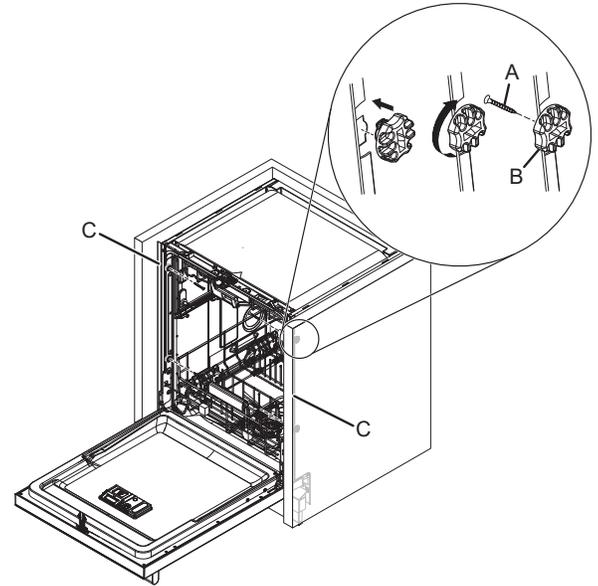
26. For Frame less Cabinets

1. Remove upper rack for easier access.



2. Use four Thick plastic (included) spacers between cabinet wall and the side wall panels of the dishwasher.

3. Each spacers has three positions depending on the gap available, insert the spacer into the side panel of the dishwasher and turn the spacer by 90 degrees.



- A. 3.5 mm x 18 mm Phillips-head screws (4) B. Thick plastic spacers (4)
C. Side gap covers (2)

4. Once the spacers are locked into the position. Secure the dishwasher to cabinet with four 3.5 mm x 18 mm Phillips-head screws (included).

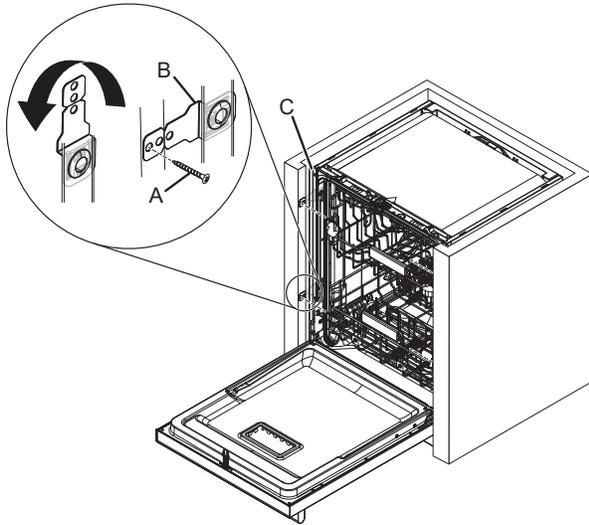
NOTE:

- The dishwasher must be secured to keep it from shifting when the door is opened or closed.
- Do not drop screws into bottom of dishwasher.

27. For Face Frame Cabinets

1. Use four Metal brackets (included) between Face frame and the side wall panels of the dishwasher.
2. Each bracket needs to be inserted into the slots at the side panel of the dishwasher and turn the brackets by 90 degrees towards the cabinet opening.

3. Once the spacers are locked into position, Secure the dishwasher to cabinet with four 3.5 mm x 18 mm Phillips-head screws (included).



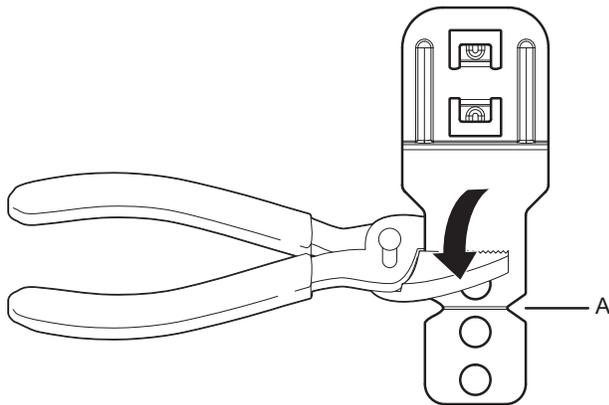
- A. 3.5 mm x 18 mm Phillips-head screws (4) B. Metal brackets (4)
C. Side gap covers (2)

NOTE:

- The dishwasher must be secured to keep it from shifting when the door is opened or closed.
- Do not drop screws into bottom of dishwasher.

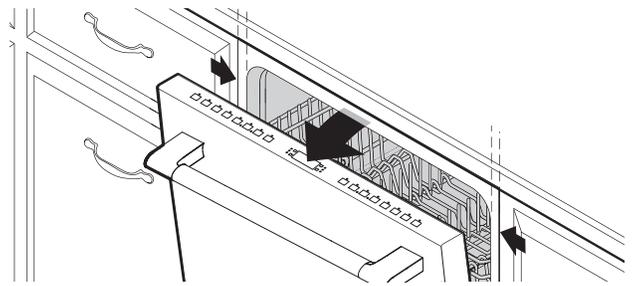
28. Break end of the brackets

Depending on the depth of the gap between dishwasher and the face of the frame, Break off the end of the brackets along the scored line using pliers to adjust the required length of the bracket. Use sandpaper to smooth any burrs.



A. Score line

29. Check inner spacing

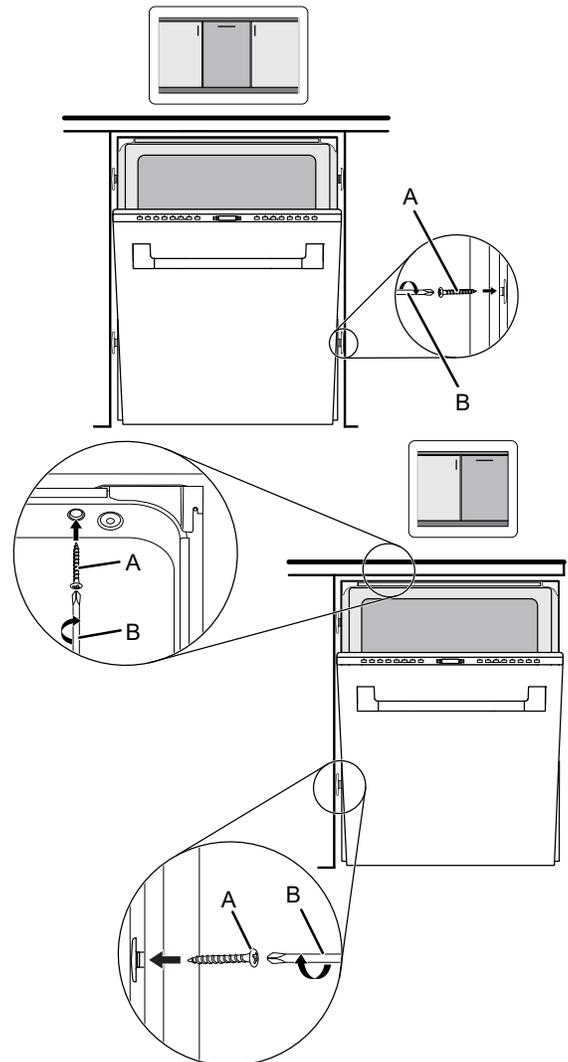


Open door and check that space between dishwasher cabinet opening and tub is equal on both sides. If spacing is not equal, loosen bracket screws and shift tub. Tighten bracket screws.

Choose Anchor Attachment Method

IMPORTANT: The dishwasher must be secured to the cabinet as one of the final steps. Prepare the dishwasher for this by attaching the dishwasher to the cabinets using at least 4 of the 6 available screw holes.

30. Cabinet Attachment:

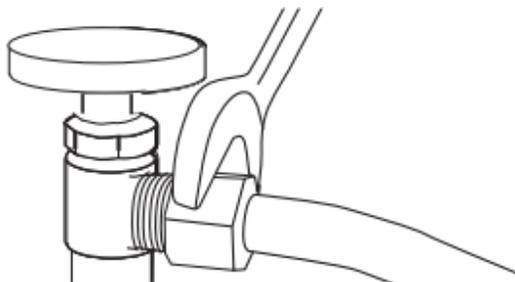


- A. #3.5 x 18 mm screws (4) for Cabinet mount
B. #2 Phillips screwdriver

Remove the short screws from the package and insert them into four of the six mounting holes provided. Using a Phillips head screw driver, screw them into the cabinet. If longer screws are needed, the installer will need to provide.

Connect Water Line to House Shutoff Valve

31. Attach water supply line



Attach the water supply line (flexible braided line) to the hot water line using a connection configuration that is in compliance with local codes and ordinances. The water supply to the dishwasher should have a manual shutoff valve located under the sink.

Connect Drain Hose

32. Connect drain hose

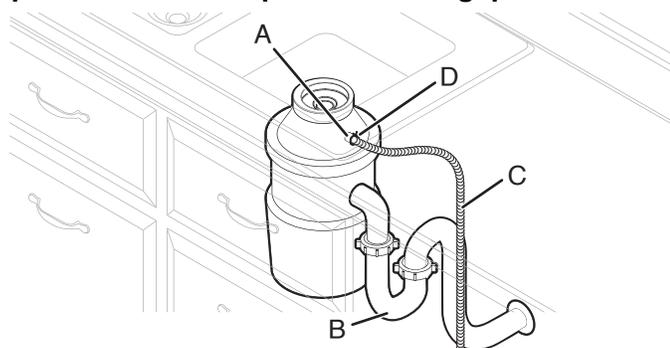
Connect drain hose to waste tee or waste disposer using one of the following options:

- Option A: Waste disposer – no air gap
- Option B: No waste disposer – no air gap
- Option C: Waste disposer – with air gap
- Option D: No waste disposer – with air gap

IMPORTANT: The drain hose connection of the disposer or a waste tee must be made before the drain trap and at least 20" (508 mm) above the floor where the dishwasher will be installed.

Helpful Tip: To reduce vibration of the hose, keep the hose away from the floor.

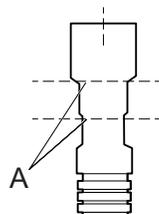
Option A: Waste disposer – no air gap



- A. Disposer inlet
- B. Drain trap
- C. Drain hose
- D. Drain hose clamp (black color)

Helpful Tip: Remove disposer knockout plug.

1. Fit rubber end (A) of drain hose to waste tee and cut if needed.



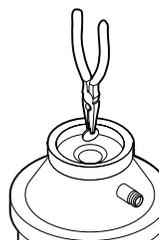
A. Two cut lines

NOTE: Do not cut ribbed section.

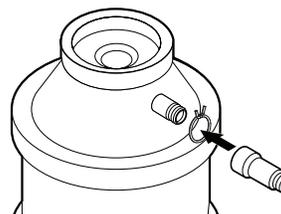
2. Using a hammer and screwdriver, knock plug into disposer.



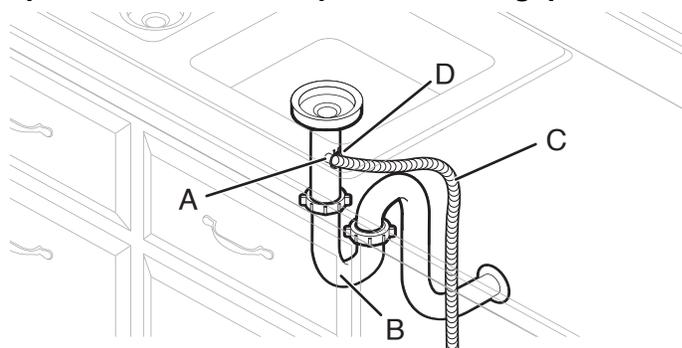
3. Use needle-nose pliers to remove plug.



4. Attach drain hose to disposer inlet with drain hose clamp (black color) (provided). Use pliers to squeeze clamp open and move into position.

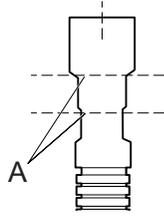


Option B: No waste disposer – no air gap



- A. Waste tee
- B. Drain trap
- C. Drain hose
- D. Drain hose clamp (black color)

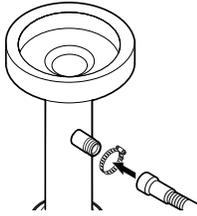
1. Fit rubber end (A) of drain hose to waste tee and cut if needed.



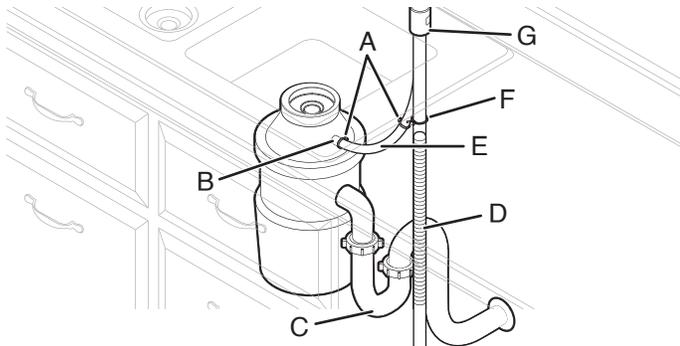
A. Two cut lines

NOTE: Do not cut ribbed section.

2. Attach rubber end of drain hose to waste tee with a drain hose clamp (black color) (provided). Use pliers to squeeze clamp open and move into position. If the drain hose was cut, use a 1 1/2" to 2" (38 mm to 50 mm) screw-type clamp (not provided).



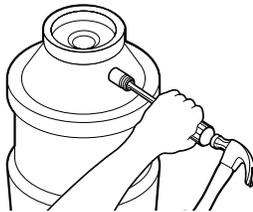
Option C: Waste disposer – with air gap



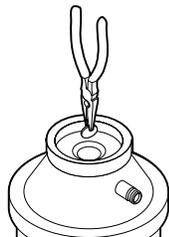
- | | |
|----------------------|-----------------------------------|
| A. Screw-type clamps | E. Rubber hose connector |
| B. Disposer inlet | F. Drain hose clamp (black color) |
| C. Drain trap | G. Air gap |
| D. Drain hose | |

Helpful Tip: Remove disposer knockout plug.

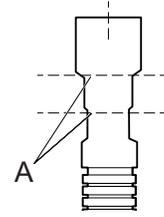
1. Using a hammer and screwdriver, knock plug into disposer.



2. Use needle-nose pliers to remove plug.



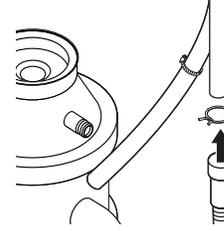
3. Connect rubber end (A) of drain hose to air gap and cut if needed.



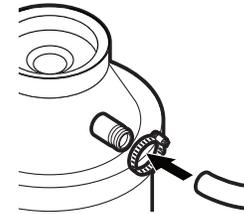
A. Two cut lines

NOTE: Do not cut ribbed section.

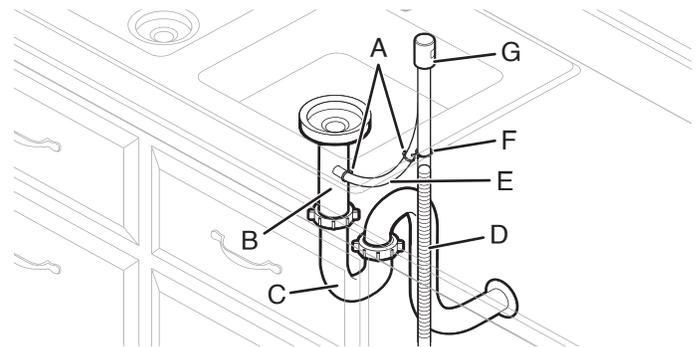
4. Attach drain hose to air gap with drain hose clamp (black color) (provided). Use pliers to squeeze clamp open and move into position. If the drain hose was cut, use a 1 1/2" to 2" (38 mm to 50 mm) screw-type clamp (not provided).



5. Use a rubber hose (not provided) with screw-type clamps (not provided) to connect from air gap to disposer inlet.

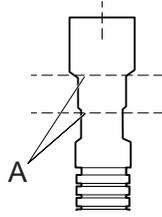


Option D: No waste disposer – with air gap



- | | |
|----------------------|-----------------------------------|
| A. Screw-type clamps | E. Rubber hose connector |
| B. Waste tee | F. Drain hose clamp (black color) |
| C. Drain trap | G. Air gap |
| D. Drain hose | |

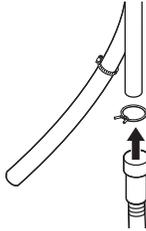
1. Connect rubber end (A) of drain hose to air gap and cut if needed.



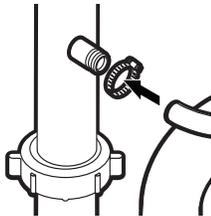
A. Two cut lines

NOTE: Do not cut ribbed section.

2. Attach drain hose to air gap with drain hose clamp (black color) (provided). Use pliers to squeeze clamp open and move into position. If the drain hose was cut, use a 1 1/2" to 2" (38 mm to 50 mm) screw-type clamp (not provided).



3. Use a rubber hose (not provided) with screw-type clamps (not provided) to connect from waste tee to air gap.



Complete Installation

⚠ WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

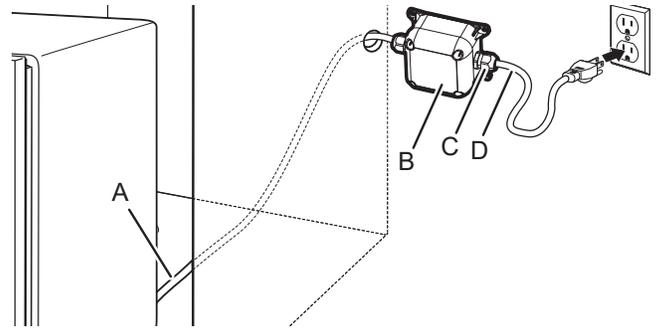
Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

33. Power supply cord – Plug into a grounded 3 prong outlet



A. Junction box cable
B. Junction box

C. Cable fittings (2)
D. Power cord

Plug into a grounded 3-prong outlet.

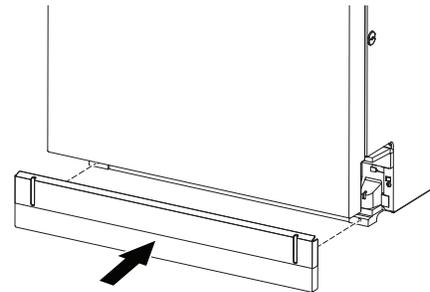
34. Reconnect power

Reconnect electrical power at the fuse box or circuit breaker box.

NOTE: With the access panel off, start the dishwasher and allow it to complete the shortest wash cycle. After the first 2 minutes, unlatch door, wait 5 seconds, and then open door. Check that there is water in the bottom of the dishwasher tub. Check that dishwasher is working properly.

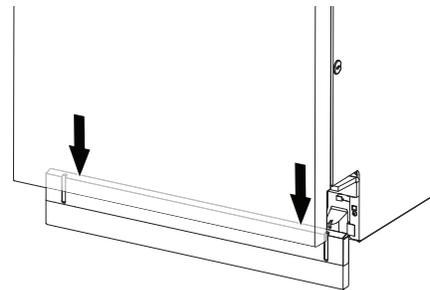
Install Access Panel

35. Install the toe panel



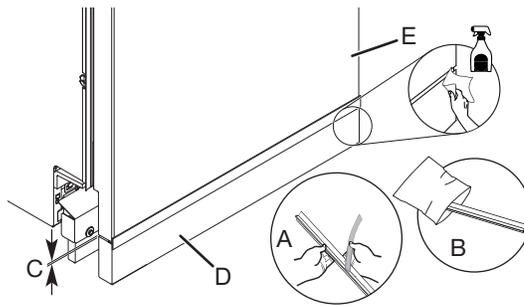
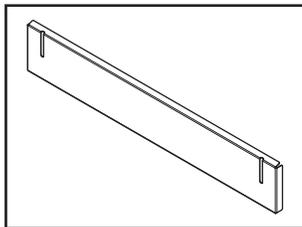
Install the toe panel as shown in the above image.

36. Check toe panel edge



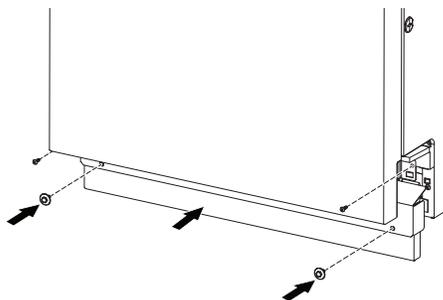
Check that the lower edge of the toe panel touches the floor. Adjust if necessary.

IMPORTANT: If there is visible gap to the floor after installing the toe panel, replace it with alternate (tall) toe panel supplied with dishwasher, shipped at the back of the dishwasher.



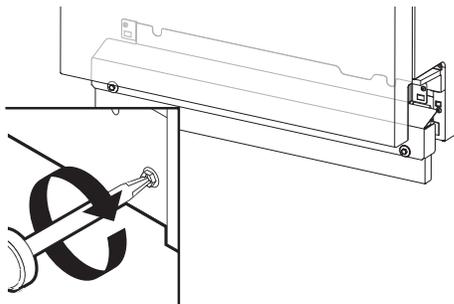
A. T-Gasket
B. Polybag
C. 3/16" (5 mm)
D. Custom Access Panel
E. Custom Panel Door

37. Install access panels



Place the access panel against dishwasher legs. Using a Phillips screwdriver or 1/4" nut driver, reinstall the screws through the holes in the access panel.

38. Tighten screws



Tighten access panel screws.

T-Gasket Installation (on some models)

If an installer will be using a custom access panel to be mounted on top of the unit's access panel and if the installer chooses to cover the seam gap then the T-Gasket bottom could be attached between the custom front panel & the access panel.

Custom access panel can be attached to the top of the dishwasher access panel. Installer can use T-Gasket to fill the gap between custom access panel and custom panel door (as shown below).

1. Remove the adhesive strips from the T-Gasket and attach it to the top surface of custom access panel. Start along the left or right edge and continue along that edge.
2. Using a paper towel or cloth, press along the front surface of the T-Gasket to ensure it is flushed well.

Check Operation

- Read the dishwasher Quick Start Guide that came with your dishwasher.
- Check that all parts have been installed and no steps were skipped.

If the dishwasher is not working properly, disconnect power or unplug dishwasher and refer to the "If Dishwasher Does Not Operate" section.

If Dishwasher Does Not Operate

First try the solutions suggested here to possibly avoid the cost of a service call.

- Has the circuit breaker tripped or the house fuse blown?
- Is the door closed tightly and latched?
- Has the cycle been set correctly to start the dishwasher?
- Is the water turned on?

If none of these possible solutions work, refer to the contact information referenced in your Quick Start Guide.

Additional Tips

Expect longer wash times. Your new dishwasher will average 2–5 hours per load but use nearly 40% less energy than older models. Designed with a low-wattage, low-energy-consumption motor, your dishwasher washes longer to ensure exceptional cleaning. Certain models are equipped with an optical water sensor, so the first cycle will run longer to calibrate the optical sensor. Selecting certain options could increase cycle time past 3.5 hours.

Rinse aid is necessary for good drying results:

This dishwasher is designed to be used with rinse aid for good drying performance and controlling hard-water-deposit buildup. Energy-efficient dishwashers use less water and energy, so they depend on the water sheeting action of rinse aid for good drying performance.

Start/Resume light may flash:

When pressing Start/Resume, you must make sure the door is closed within 4 seconds. If you do not close the door within 4 seconds, the Start/Resume light will flash until you press it again. (You must also do this when adding a dish during the middle of a cycle.)

SÉCURITÉ DU LAVE-VAISSELLE

Votre sécurité et celle des autres sont très importantes.

Nous donnons de nombreux messages de sécurité importants dans ce manuel et sur votre appareil. S'assurer de toujours lire tous les messages de sécurité et de s'y conformer.



Voici le symbole d'alerte de sécurité.

Ce symbole d'alerte de sécurité vous signale les dangers potentiels de décès et de blessures graves.

Tous les messages de sécurité suivront le symbole d'alerte de sécurité et le mot « DANGER » ou « AVERTISSEMENT ». Ces mots signifient :

⚠ DANGER

Vous courez un risque de décès ou de blessures graves si vous ne suivez pas immédiatement les instructions.

⚠ AVERTISSEMENT

Risque possible de décès ou de blessure grave si vous ne suivez pas les instructions.

Tous les messages de sécurité vous diront quel est le danger potentiel, comment réduire le risque de blessure et ce qui peut se produire en cas de non-respect des instructions.

IMPORTANTES INSTRUCTIONS DE SÉCURITÉ

AVERTISSEMENT : Lors de l'utilisation du lave-vaisselle, il convient d'observer certaines précautions fondamentales, dont :

- Lire toutes les instructions avant d'utiliser le lave-vaisselle.
- Utiliser le lave-vaisselle uniquement pour laver de la vaisselle.
- Utiliser seulement des détergents et agents mouillants recommandés pour les lave-vaisselle. Garder ces produits hors de la portée des enfants.
- Lors du chargement d'articles à laver :
 1. Placer les articles coupants pour qu'ils ne risquent pas d'endommager le joint de la porte; et
 2. Placer les couteaux, la poignée vers le haut, pour réduire les risques de blessure.
- Ne pas laver d'articles en plastique, sauf s'il est indiqué « lavable au lave-vaisselle » ou une mention équivalente. Pour les articles en plastique qui ne sont pas ainsi identifiés, vérifier les recommandations du fabricant.
- Ne pas toucher les éléments chauffants pendant ou immédiatement après l'utilisation.
- Ne pas mettre en marche le lave-vaisselle si un panneau de l'enceinte n'est pas correctement installé.
- Ne pas effectuer d'intervention non autorisée sur les commandes.
- Ne pas abuser de, s'asseoir sur ou se mettre debout sur la porte, ou les paniers à vaisselle du lave-vaisselle.
- Pour réduire les risques de blessure, ne pas laisser les enfants jouer dans ou près d'un lave-vaisselle.
- Dans certaines conditions, un système d'eau chaude qui n'a pas été utilisé depuis 2 semaines ou plus peut produire de l'hydrogène. L'HYDROGÈNE EST UN GAZ EXPLOSIF. Si le système d'eau chaude est resté inutilisé pendant une telle période, ouvrir tous les robinets d'eau chaude et laisser l'eau s'en écouler pendant plusieurs minutes avant d'utiliser le lave-vaisselle. Ceci libérera toute accumulation d'hydrogène. Le gaz est inflammable : ne pas fumer ou utiliser une flamme nue durant cette période.
- Enlever la porte du compartiment de lavage lorsqu'on cesse d'utiliser un vieux lave-vaisselle ou qu'on le jette.
- Ne pas utiliser de pièces de remplacement qui n'ont pas été recommandées par le fabricant (c.-à-d., des pièces fabriquées à la maison à l'aide d'une imprimante 3D).

CONSERVER CES INSTRUCTIONS