DISHWASHER



Models:

DW242WADA	LDW24WA	DW242W	ADADW24W
DW243BADA	LDW24BA	DW243B	ADADW24B
DW245NTADA	LDW24NTA	DW245NT	ADADW24NT

Installation Instructions

BEFORE USE, PLEASE READ AND FOLLOW ALL SAFETY RULES AND OPERATING INSTRUCTIONS

Write Model & Serial Nos. here:

Model No. _____

Serial No. _____

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Thank you for choosing this product.
These installation instructions contain important information on safety and instructions intended to assist you in the operation and maintenance of your appliance.
Please take the time to read these installation instructions before using your appliance and keep this book for future reference.

Icon	Type	Meaning
	WARNING	Serious injury or death risk
	RISK OF ELECTRIC SHOCK	Dangerous voltage risk
	FIRE	Warning; Risk of fire / flammable materials
	CAUTION	Injury or property damage risk
	IMPORTANT / NOTE	Operating the system correctly

INTRODUCTION

- Please read this user manual and particularly the safety instructions completely and carefully. They will save you time and effort and helpto ensure optimum dishwasher performance.
- Be sure to observe all listed warnings and cautions. Look particularly for the icons with exclamation marks inside. The information icon will also provide important references.

WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in injury. It may also be used to alert againstunsafe practices.

NOTICE: Indicates a potentially hazardous situation which, if not avoided, may result in damage to the dishwasher, the tableware, the equipment or the environment.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using the dishwasher, follow basic precations. Read all instructions before using the dishwasher! Save these operating instructions and pass them on to any future user.

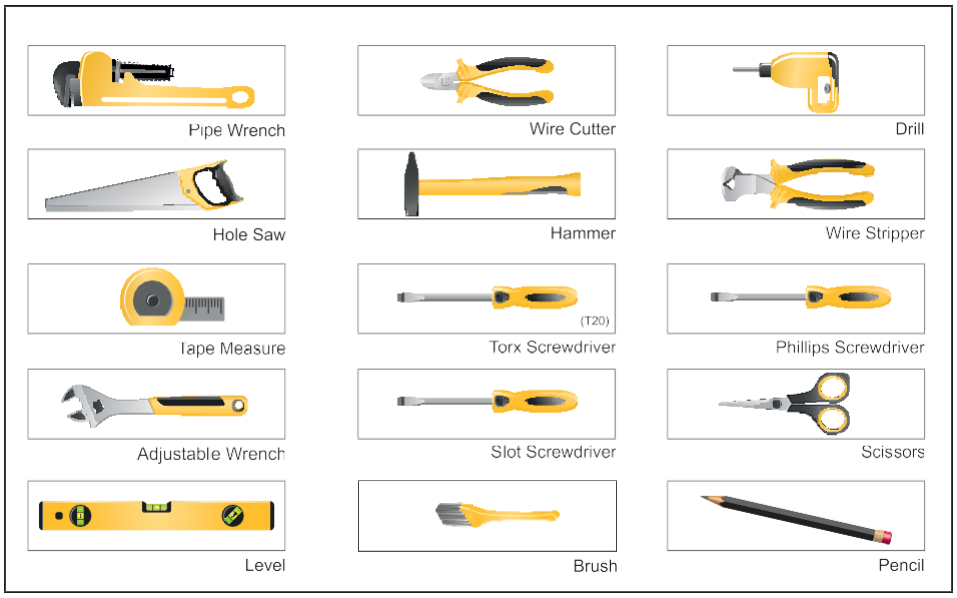
When installing the dishwasher, follow basic safety precautions, including the following:

- The dishwasher could only be converted from cord-connected to permanently connected by an authorized service representative. (If needed, contact your dealer to schedule an authorized service agent for conversion with an appropriate conversion kit/)
- Installation and repair should be performed by a qualified installer. Work by unqualified persons could be dangerous and may void the warranty.
- The dishwasher should be installed by an insured licensed plumber, contractor or trained installer. Installation performed by persons other than this could result in improper installation and property damage.
- Do not operate the appliance if damaged, malfunctioning, partially disassembled or if it has missing or broken parts.
- Also follow the safety instructions of the user manual.
- 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.
- Only connect the dishwasher to the power supply when all installation and plumbing work is complete
- If the dishwasher is installed in a location that experiences freezing temperatures (e.g. in a vacation home, cabin, etc.), you must drain all the water from the dishwasher's interior. Water system ruptures that occur as a result of freezing are not covered by warranty
- Dishwasher must be secured to adjacent cabinetry using the brackets provided. Failure to do this may cause damage to property or bodily injury
- Connect to a properly rated, protected and sized power supply circuit to avoid electrical overload. The dishwasher is designed for an electrical supply of 120 V (volts), 60 Hz (hertz), AC, connected to a dishwasher dedicated, properly grounded electrical circuit with a fuse or breakers rated for 15 amperes. Electrical supply conductors shall be a minimum of #16 AWG copper wire rated at 75 °C (167 °F) or higher. These requirements must be met to prevent injury and machine damage. Consult a qualified electrician if in doubt.
- This dishwasher includes heating element. Do not touch the heating element during or immediately after use
- Do not use any extension cord or portable outlet device to connect the dishwasher to a power supply.
- Ensure that any plastic wrappings, bags, small pieces etc. are disposed of safely and kept out of the reach of children. Danger of suffocation!

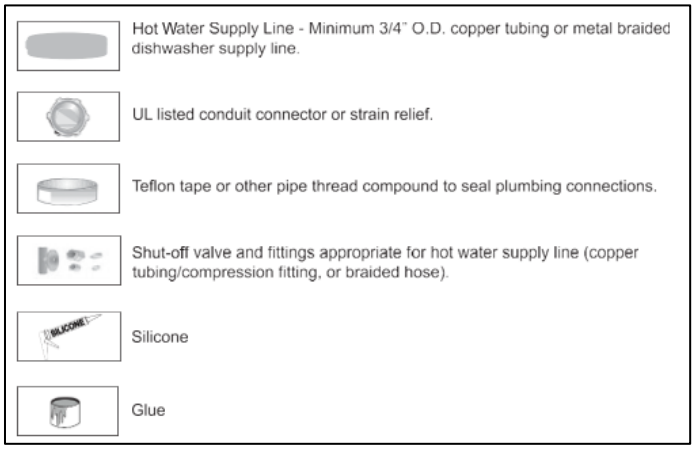
- Remove the door to the washing compartment when removing an old dishwasher from service or discarding it. Ensure that the appliance presents no danger to children while being stored for disposal.
- Old appliances may contain materials that can be recycled. Please contact your local recycling authority about the possibility of recycling these materials.
- The dishwasher drain hose must be installed with a drain loop at least 28" (710mm) off the cabinet floor; otherwise the dishwasher may not drain properly.
- This dishwasher is intended for residential use only, and should not be used in commercial establishments.
    - **New installation:** If the dishwasher is a new installation, most of the work must be done before the dishwasher is moved into place.
    - **Replacement:** If the dishwasher is replacing another dishwasher, check the existing dishwasher connections for compatibility with the new dishwasher, and replace parts as necessary.

INSTALLATION MATERIALS

Tools Which May be Needed

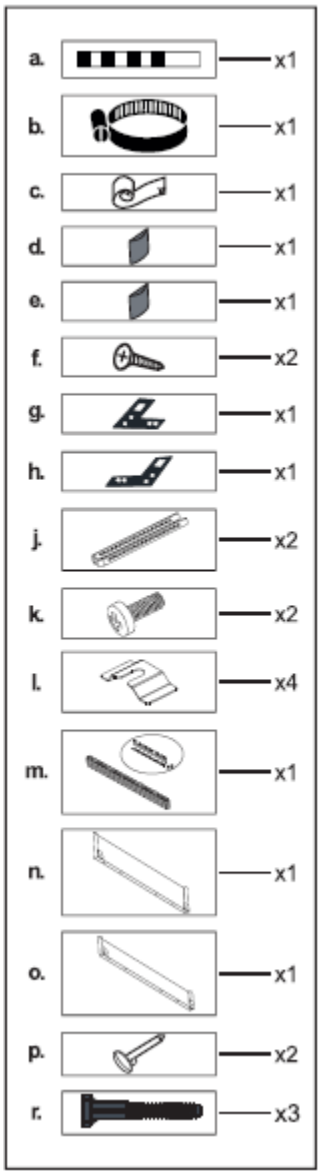


Materials Which May be Needed



Supplied Materials

The parts required for positioning the dishwasher are in plastic bags. Check that all of the following parts are included with your unit:



Manual Bag

The dishwasher comes with a manual bag containing the *User Manual* and the *Installation Instructions*.

Dishwasher Parts Bag 1

This dishwasher bag comes with the following parts:

a) Test strip (model depending)
b) Hose clamp

Dishwasher Parts Bag 2

c) Steam protection foil
d) Side trim strips (left)
e) Side trim strips (right)

Dishwasher Parts Bag 3

f) Screws 5/32” x 19/32” (4mm x 15mm)
g) Mounting bracket left
h) Mounting bracket right

Dishwasher Parts Bag 4

(MODEL DEPENDING)

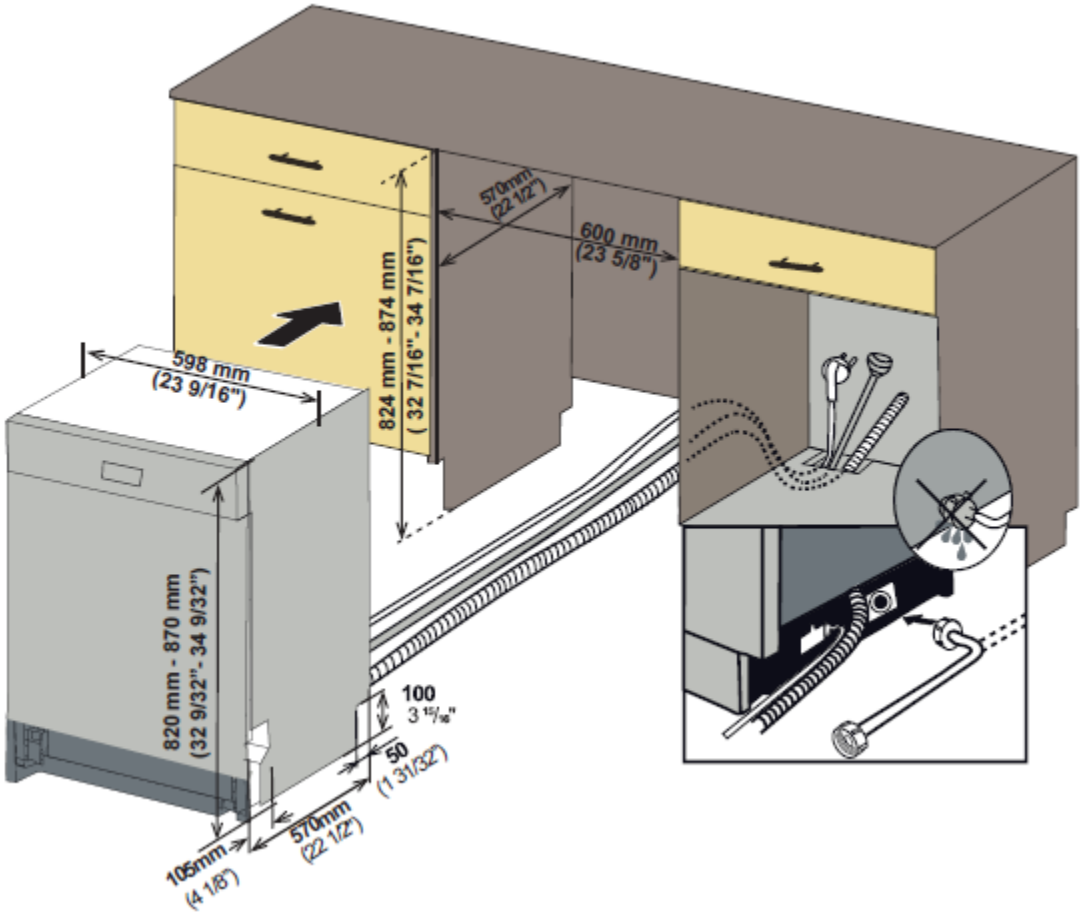
j) Toe kick bracket
k) Screws 5/32” x 7/32” (4mm x 6mm)
l) Plinth fixing metal
m) Adjustable plinth
n) Adjustable plinth metal (130mm) (model depending)
o) Adjustable plinth metal (80mm) (model depending)
p) Plinth locking

Dishwasher Parts Bag 5

(MODEL DEPENDING)

r) Long legs

DISHWASHER SPECIFICATIONS



Technical Features

Load Capacity	14 place settings
Permissible Water Pressure	43.5 – 145 psi (0.3 – 10 bars)
Eletrical Connection	120V, 12A, 60 Hz
Total Power	1400 W
Heater Power	1100 W

NOTE: We continue to strive to improve our products. We may change our specifications or design without prior notice.

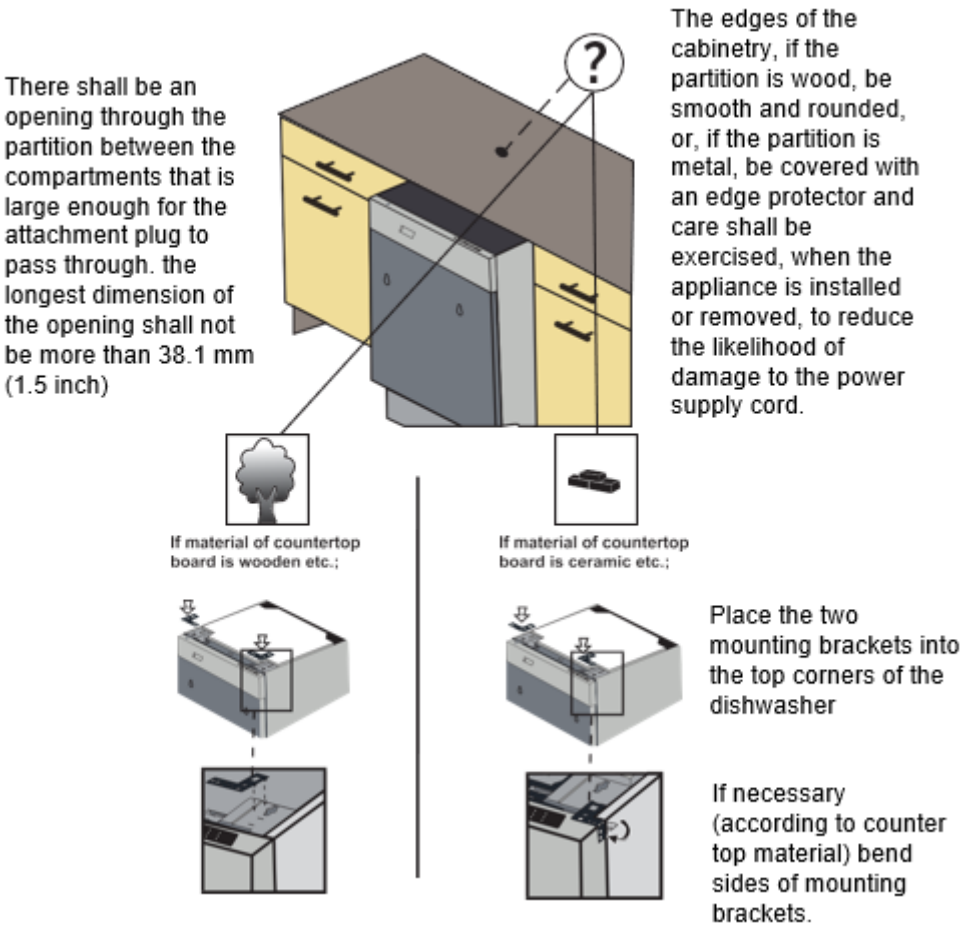
ENCLOSURE PREPARATION

CAUTION: This dishwasher is designed for an electrical supply of 120V, 60Hz AC, connected to a dishwasher-dedicated, properly grounded electrical circuit with a fuse or breaker rated for 15 Amps. Unit ships with a NEMA 5-15P connector.

The power supply receptacle for the appliance shall be installed in a cabinet or on a wall adjacent to the under counter space in which the appliance is to be installed.

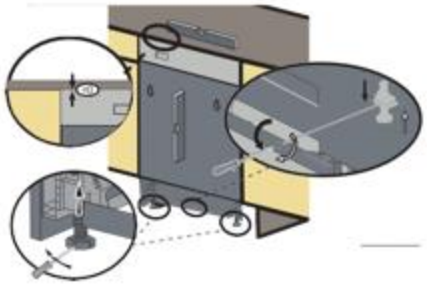
Preparation for Installing Mounting Brackets

CAUTION: The mounting brackets in the plastic bag should be used when the dishwasher is installed in cabinetry. Use of any part other than the mounting bracksts may result in damage to property or bodily injury.



Adjusting Height

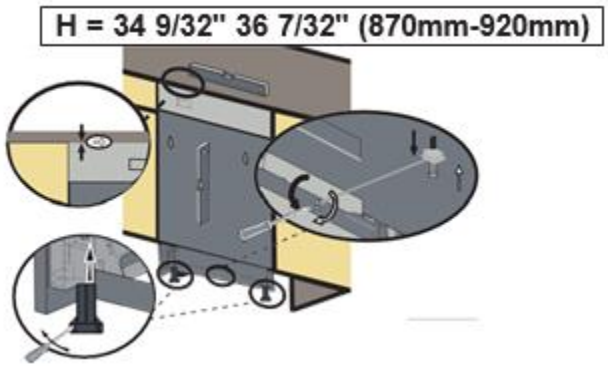
1. Adjust the front feet with a screwdriver to stabilize the dishwasher and raise it to meet the hieght of the enclosure.
2. Adjust the rear feet with a screwdriver to balance and raise the dishwasher to the appropriate height of the enclosure.



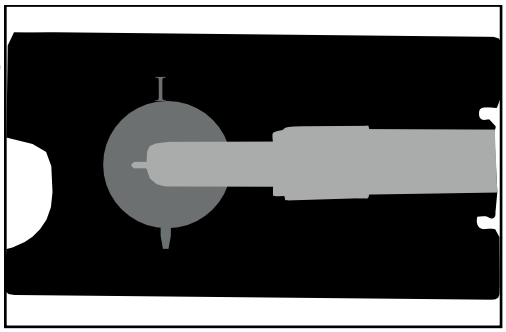
NOTE: Make sure the dishwasher is plumb with the top of the enclosure. It does not need a large clearance underneigh the counter top.

- Make sure the dishwasher is plumb and notice dishwasher can be placed with a small clearance under the counter top.
- For front feet, turning the feet in the direction of the black arrows with the slot screwdriver allows the dishwasher to move downwards.
- For rear feet, turning the Philips screwdriver in the direction of the black arrows will take the dishwasher feet down.

If the height of the enclosure is 33 7/8" to 35 7/8" (860mm-910mm) use short supports as shown in the figure.



Water Supply Connection



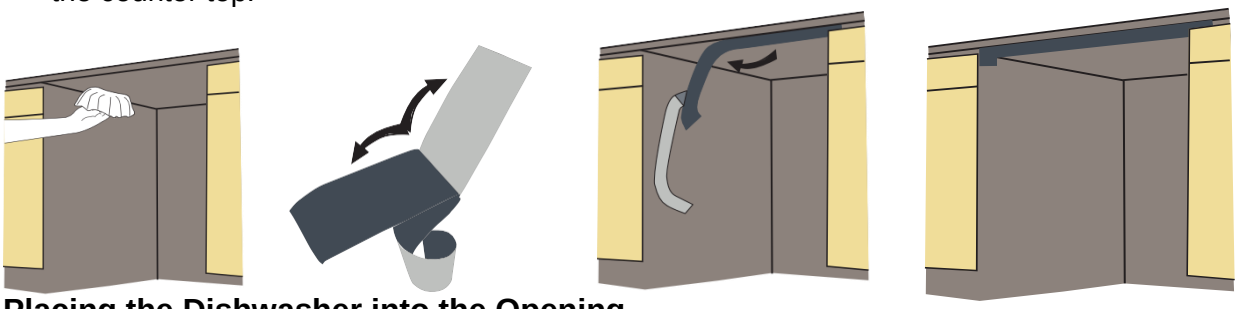
Water supply may be connected to the dishwasher in one of two ways:

- With metal braided hose.
- With copper tubing BRAIDED HOSE/COPPER TUBING
- After connections are made turn on the water supply to check for leaks.
- Hot water supply line: Use minimum 3/4" O.D. copper tubing or metal braided dishwasher supply line.
- Water Inlet valve of dishwasher has 3/4"-11.5NH inlet coupling thread dimension according to ASME B1.20.7-1991.
- When you buying water inlet hose for your dishwasher, please choose the thread dimension of the inlet hose as compatible with indicated water inlet valve inlet coupling thread dimensi- on (3/4"-11.5NH) of your dishwasher.
- Temperatures required for soldering and sweating will damage the dishwasher's water inlet valve so if any such operation is needed, keep the heat source min. 77/8" (200mm) away from the dishwasher's water inlet valve.
- There should not be any sharp bends in the water line that may restrict the water flow.
- Teflon tape or pipe tread compound must be used for sealing the connection. Before connecting the copper water supply line to the dishwasher, flush it with hot water to clear foreign material.

Steam Protection Foil

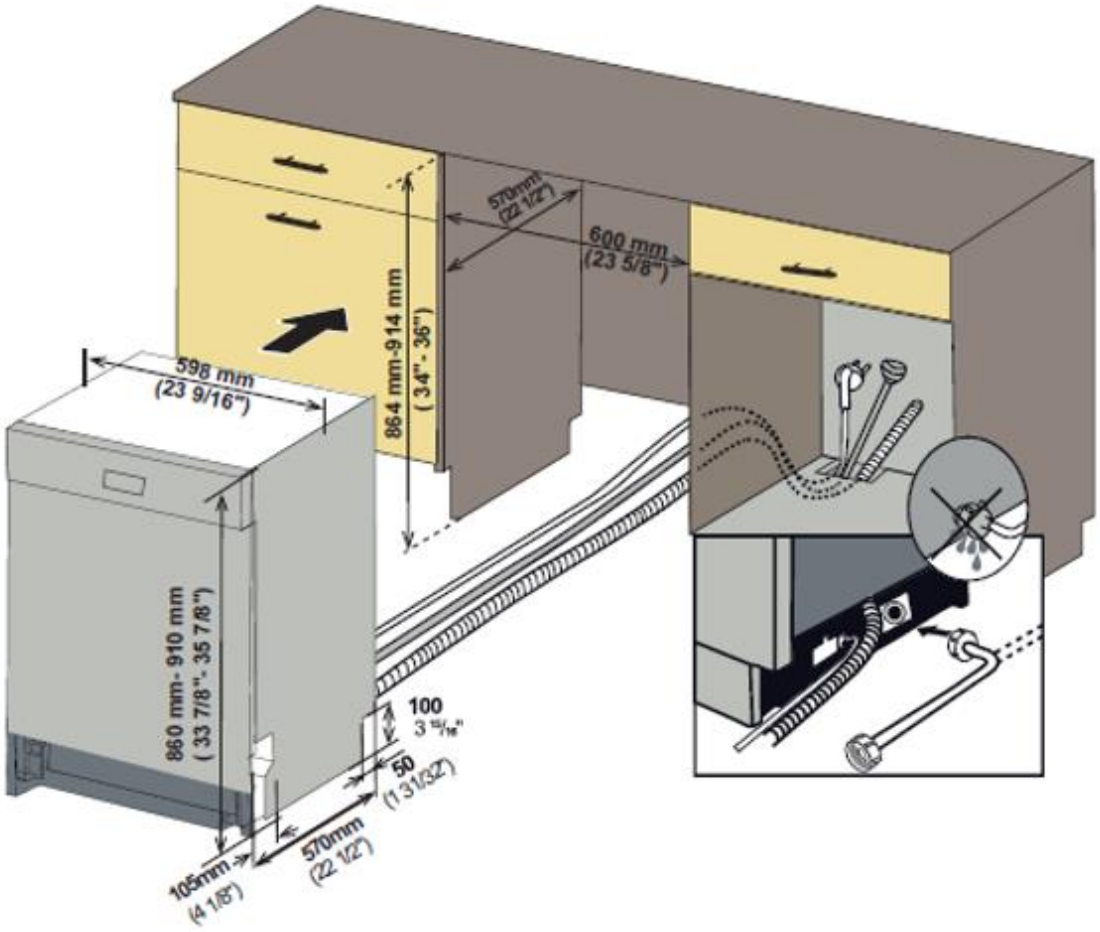
Steam will be produced when the dishwasher door is opened during operation and after completion of the wash cycle. In order to prevent the resulting steam from collecting and damaiging the underside of the counter top, use a steam protection foil included with your unit.

1) Clean the surface with a damp cloth before applying steam protection to the underside of the counter top.



Placing the Dishwasher into the Opening

Gently place the dishwasher into the opening and get ready to connect all hoses and electrical connections.

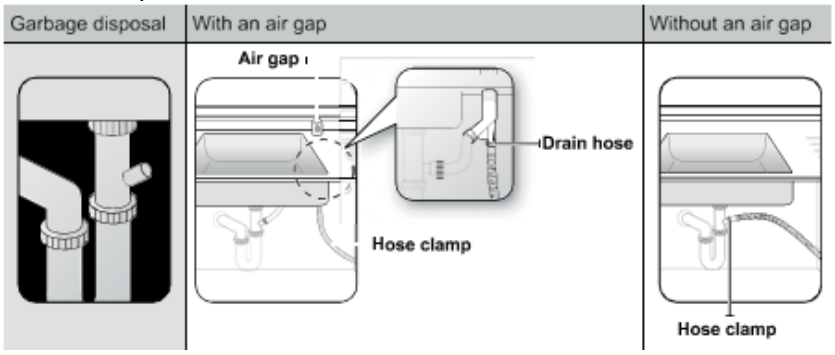


CAUTION: Make sure all hoses are pulled through the side openeing of the cabinet. No hoses should be kinked and ensure all slack is taken out, as shown above.

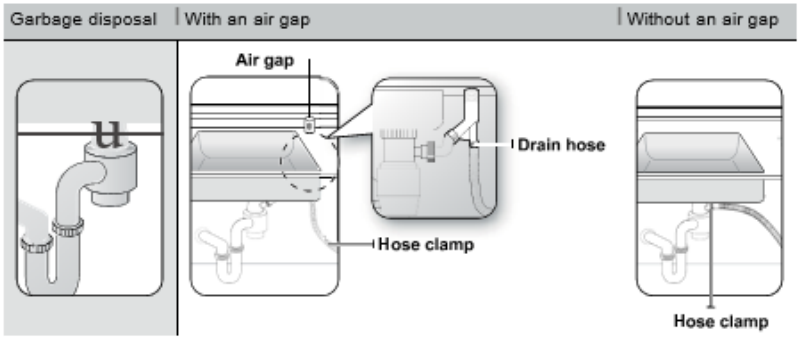
Drain Hose Connection

There are several ways to insert the drain hose into the drain hose connector of the sink, as shown in the following figures. You much connect the drain hose in accordance with the water pipe installation regulations in your region.

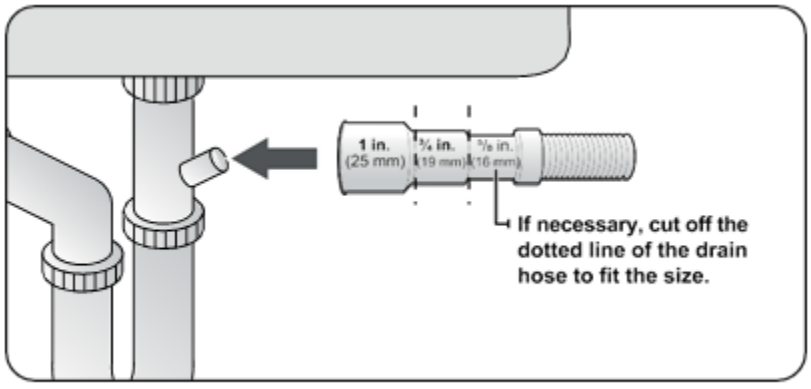
Without disposal:



With disposal:



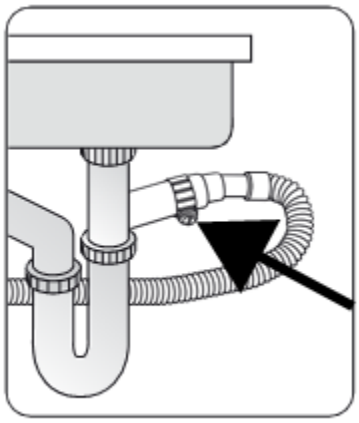
1. Check the size of the sink's drain hose connector. If needed, cut the drain hose so its end fits onto the sink connector (5/8 in., 3/4 in. or 1 in. - as shown in **C** below). If the end of the drain hose does not fi t onto the drain hose connector of the sink, use an adaptor purchasable at a plumbing/hardware supply store.
2. Slide a hose clamp over the end of the drain hose. Attach the drain hose to the sink connector, slide the hose clamp to the end of the hose, and then tighten the hose clamp.



C

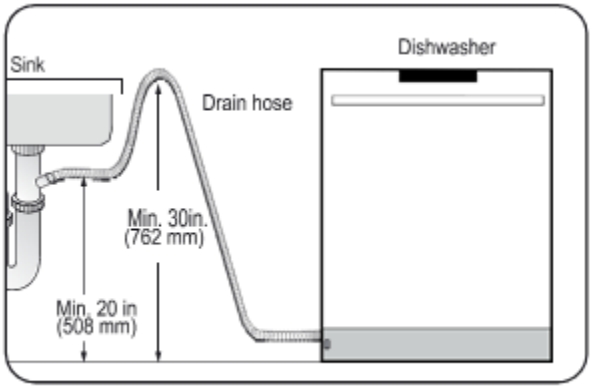
NOTE: You must use a hose clamp. Failure to do so may cause water leakage.

3. If there is no air gap, make sure to hang. the middle of the drain hose well above the sink cabinet base to prevent back flow (see Figure **E** below).
4. When drilling a hole for the drain hose on the cabinet wall, take caution not to damage the drain hose by sharp edges of the hole. On wooden walls, use sanding to soften the edges. On metal walls, use insulation tape or duct tape to cover the sharp edges around the hole.
5. Take caution not to damage the drain hose when installing the dishwasher on the floor, wall, or cabinet.
6. To prevent leaks or drainage problems, make sure the drain hose is not damaged, kinked, or twisted.
7. Do not cut the wrinkled area of the drain hose to fit the size. When arranging the drain hose, take caution not to contact on sharp edges of the cabinet or under-sink.



Use hose clamp that shown at the Figure 4. for drain hose assembly to the sink.

D



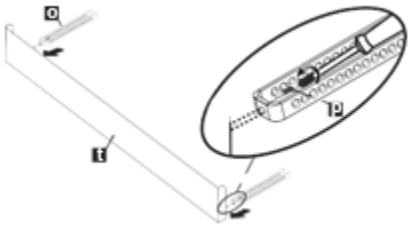
E

- Be careful when cutting off the end of the drain hose as there is a risk of injury.
- Clean around the sink's drain connection so that it does not damage the hose. Check for any foreign items in the drain hose and remove them.
- When arranging the drain hose, make sure the drain hose is not cut, torn, or broken by any sharp edges. A damaged drain hose may cause a leak.

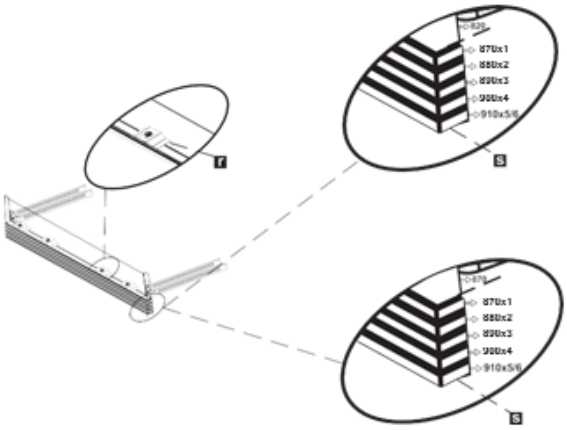
ADJUSTING THE MOVABLE KICK PLATE (MODEL DEPENDING)

Now that you have successfully installed the dishwasher, you need to attch the toe kick to the dishwasher. The two piece toe kick can be adjusted to the height and depth needed for your kitchen.

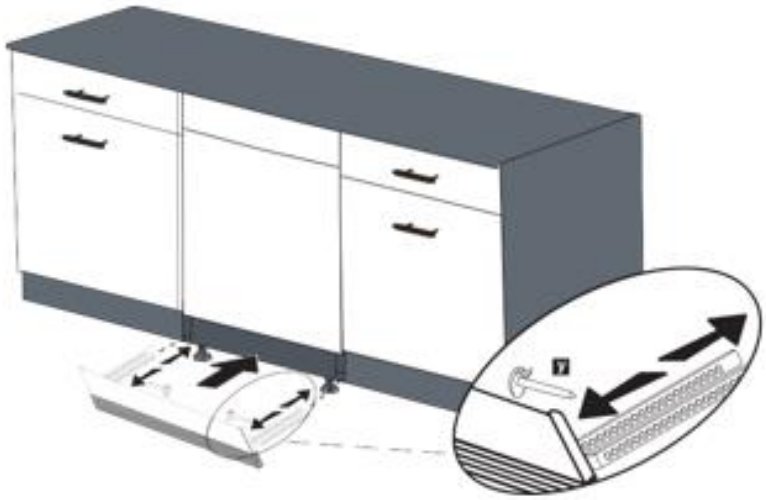
1. a) If the height is 32 9/32” to 34 9/32” and uses short supports, the adjustable plinth metal with 88mm length and toe kick brackets are installed. Mounting is done using the 5/32” x 7/32” screws and a Phillips head screwdriver.
   b) If the height is above 34 9/32” and uses short supports, the adjustable plinth metal with 133mm length and toe kick brackets are installed. Mounting is done using the 5/32” x 7/32” screws and a Phillips head screwdriver.



2. The adjustable plinth number is determined according to the required distance and assembled to each other.
3. As shown, the cylindrical feet of the adjustable plinth are attached to the plinth fixing metal parts and shifted through the cavity of the part.



4. Depending on the desired depth, the plinth locking (y) is attached to the gaps under the machine and the installation is completed



Installing the Outer Door (Model Depending)

As shown in Figure A, you must measure the height and depth of the cabinetry to determine the dimensions of the outer door.

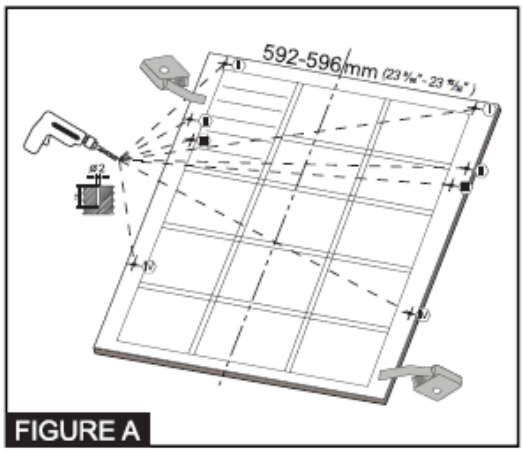


FIGURE A

The mounting plan in the plastic bag is fixed to the inside of the Dishwasher door.

While fixing the mounting plan, ensure that the plan is anhered to the inside of the door. When the fastening is complete, the mounted plan must remain straight on the outer door.

As shown in Figure A, the screw hole is opened to the outer door from the points marked on the mounted plan.
Diameter of Drilling Bit: 5/64" (2 mm)
Depth of Drilling Bit: 15/32" (12 mm)

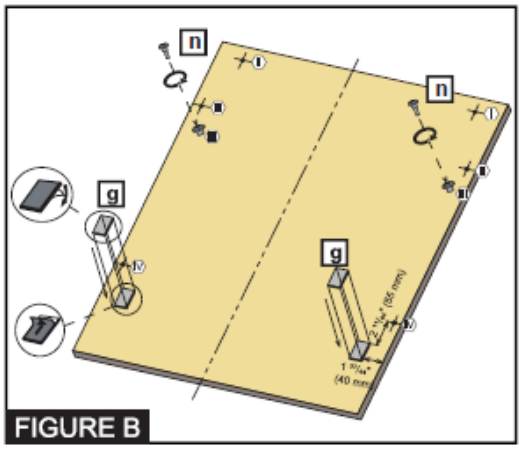


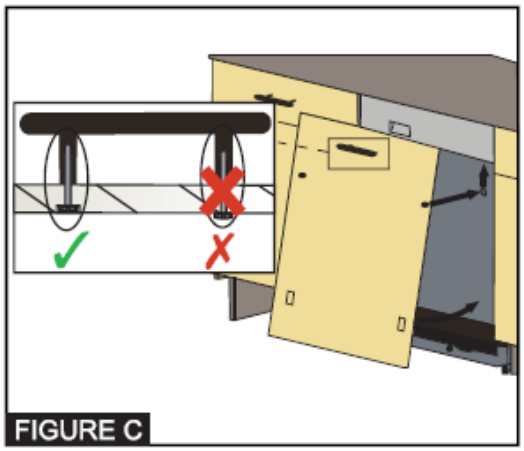
FIGURE B

As shown in Figure B, the 5/32" x 27/32" (4mm x 21.5mm) screws are installed in positions Ill.

As shown in Figure B, the wooden door fixing strips are installed in positions shown in the figure.

Before attaching the wooden door fixing strips, remove the white backing from both sides.




FIGURE C

Before mounting the wooden door on the dishwasher, mount the handle on the wooden door as in figure C.

The screws located on the wooden door are fitted with the dishwasher corresponding to the discharges located on the door outer sheet and are assembled as shown in Figure D.

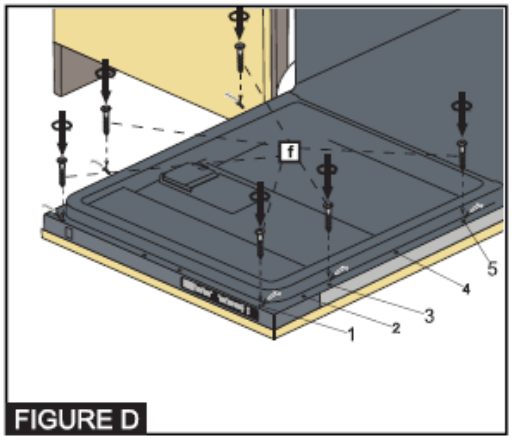


FIGURE D

As shown in Figure D, the 5/32" x 53/32" (4mm x 42.5mm) screws are installed in positions 1,111 and V.

Before mounting the 5/32" x 53/32" (4mm x 42.5mm) screws; Screws in positions 1,111 and V must be removed.

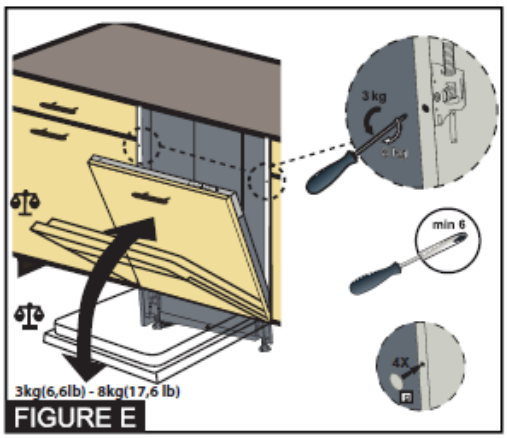


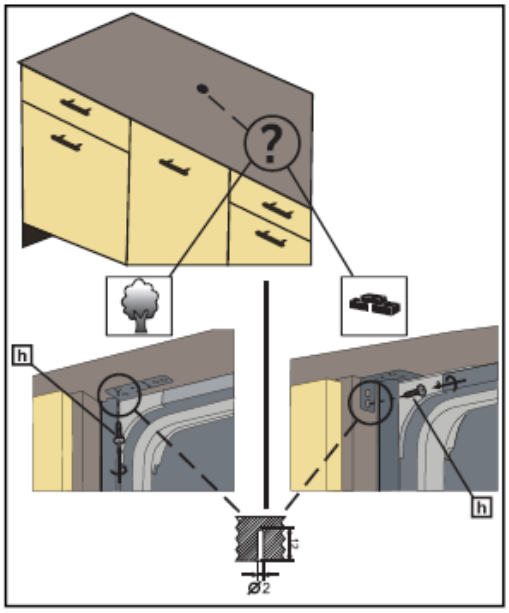
FIGURE E

According to the weight of the assembled wooden door, the balancing must be provided by the mechanism shown in Figure E.

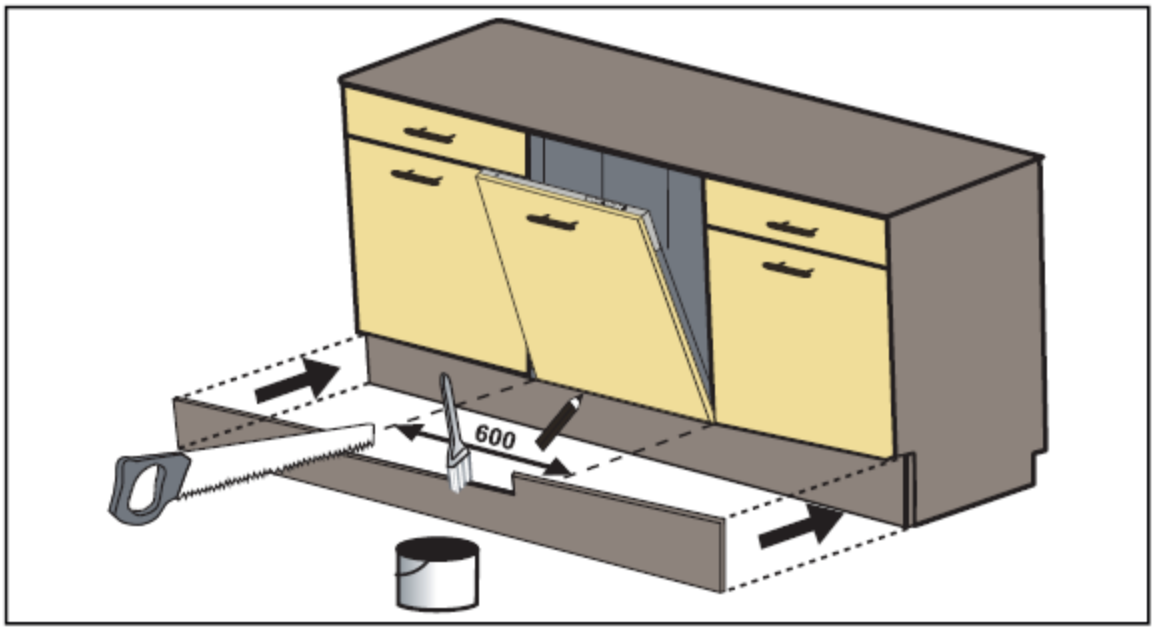
If the wooden door is falling down, the mechanism must be turned in the direction of the white arrow with a philips screwdriver.

If the wooden door is lifted upwards,
the mechanism must be turned in the direction of the black arrow with a philips screwdriver.

Minimum Philips Screwdriver Diameter is 15/64" (6 mm) for this application. After providing the door balance, hole covers are glued to the empty holes and the holes are closed.



Mounting brackets previously fixed to the dishwasher are also fixed in the cabinetry with 5/32" x 19/32" (4mm x 15mm) screws.



Check whether the bottom of the door hits the toe kick of the kitchen cabinet.

- If the door hits the toe kick cut the necessary section out of the toe kick.
- Apply silicon or sealant to the cut edge of the kitchen cabinet toe kick or paint so it does not absorb moisture.

INSTALLER CHECKLIST

Your installer must have completed the following:

- The dishwasher is square the level.
- The dishwasher is fastened securely to the cabinetry.
- The dishwasher door opens and closes freely. The dishwasher door must close without hittng any cabnetry or the counter top.
- The inlet water supply is turned on and checked for leaks.
- The drain hose has been connected and checked for leaks. There must be no kinks or obstructions in the drain hose.
- The drain hose must be installed with a 28” (710mm) high drain loop for drain hook-ups without any air removed.
- If ou connect the water drain hose to a tap spigot under the sink, remove the plastic membrane. If you do not remove the entire membrane, remaining food can cause a blockage in the drain hose spigot.
- The spray arms are free and rotate freely.
- The rinse cycle has been run.
- The water level wil be below the filter screen after the end of th ewash program. It is normal to find some water in the drain filter area.

FINAL INSTRUCTIONS

1. Press the On/Off button to turn the dishwasher on.
2. The power indicator light will illuminate.
3. Use the Program Select button to choose a washing program.
4. Start the program with the Start/Pause/Cancel button.
5. Run the dishwasher through one complete cycle. When the wash cycle is completed, use the On/Off button to turn the dishwasher off.

HELPFUL HINTS

Issue	Possible Solution
The control screen does not turn on.	Check to make sure the breaker to the dishwasher is in the on position. Check to make sure the power supply cord is plugged in.
No water is coming into the dishwasher.	Check to make sure the water shut-off is in the ON position.
Water does not drain.	Make sure the drain hose is not kinked or comes out of the air gap next to the sink. Remove the drain hose from the disposal, making sure the plug is removed.

If your dishwasher is not operating properly after trying the above suggestions, contact your local appliance dealer and schedule an authorized service agent to inspect your new dishwasher for any function-related failure.