Dishwasher Installation Instructions

Before You Begin

Read all instructions before installing dishwasher. For your safety, please read and observe all safety instructions. This guide will help you anticipate drain, water, and electrical connections, and help you select the best location for the dishwasher.

Installation Tips

Tools and Materials Needed for Installation

- Drill, Electric
- Driver, Socket 1/4", 3/8", 1/2"
- Flaring Tool / Tube Cutter (for copper tubing)
- Flashlight
- Gloves
- Level
- Pipe Joint Compound (for iron pipe) or Pipe Joint Tape (for sealing threads)
- Plugs
- Safety Glasses
- Saw, Keyhole or 1-1/4", 2" Hole Cutters
- Screw Drivers, Slotted and Phillips (magnetic tip preferred)
- Tape, Electrical or Cloth
- Tape, Measuring
- Wire Stripper or Utility Knife
- Wrench, Hex-end
- Wrenches, 2 Adjustable (for copper tubing) or 2 Pipe wrenches (for iron pipe)

Parts You Will Need* (Not Included)

- Drain Hose Clamp, 1-1/2" Diameter
- Elbow, 90° with a 1-1/4" National Pipe Thread or 1/2" Hose Thread Fitting
- Conducto/Connector
- Wire Nuts, two (2) for 12-14 gauge wire
- Plumbers Tape

If required: Available at:

- "Y" Branch Tap and Connector Kit (See Step 4)
- Air Gap Kit (See Step 4)
- Fasteners for floor anchoring (See Step 9)

NOTE: Recommended to use Stainless Steel braded hose.

WARNING: Electric Shock Hazard

Disconnect electrical power at the fuse box or circuit breaker box before beginning installation. Failure to follow this warning could result in death or serious injury.

2. Locate water inlet valve behind kickplate on bottom left side of dishwasher. Check the location and length of home utilities. See Step 4.
3. A 1-1/2" x 120 volt AC only, electrical supply is required. See Steps 4 and 6.
4. If dishwasher drain hose will be connected to a food disposer or 2" pipe wrench, (for iron pipe plumbing) See Step 4 and 6.
5. Kinked water or drain hoses can cause problems. See Step 6.
6. Dishwashers need to be connected to a hot water supply with enough water pressure to insure an adequate fill. See Steps 4 and 7.
7. Each home installation differs. You will need additional parts listed above to complete your installation. See Steps 4 and 7.
8. Flush water line prior to making the final connection to prevent clogging of dishwasher’s filter screen. See Step 7.
9. The dishwasher will look, sound, and perform best when level. See Step 6. (NOTE: If levellers are removed during installation, make sure the floor is flat and free of any obstruction.)
10. Anchor the dishwasher. See Step 9.

Installation Preparation

1. Remove two (2) screws at front of the kickplate assembly using a #2 Phillips screw driver.
2. Tip out and pull forward to remove. See Figure 1.

NOTE: It is not necessary to remove the outer door for installation. However, you might find it more convenient to do so. You can find directions for removing door in Step 10.

NOTE: If dishwasher is installed at end of a cabinet line, sides and back must be fully enclosed. See Figure 3.

NOTE: You can order a Cabinet Seal Kit (Kit # 154528701) by calling 1-800-944-2904.

Connections For Electrical, Water, and Drain

IMPORTANT: Do not cross drain, water, and electrical lines in front of dishwasher motor or frame.

Locating the Connections

1. Review dimensions in Figure 3 to locate dishwasher’s drain, water, and electrical connections. See Figure 3.
2. All connections must be made in shaded area in Figure 2.

Roughing In

WARNING: Electric Shock Hazard

Observe all local codes and ordinances for electrical and plumbing connections. All electrical and plumbing work should be performed by qualified personnel. Failure to follow this warning could result in death or serious injury.

1. Make sure your location has the right drain, water, and electrical outlets to make the connections. Do not install unit under a cooktop range. Damage to plastic tub will occur.
2. If you connect to a sink drain, entry will need to be above trap. A "Y" branch tap and connector kit, not included, will make this method easier and includes all needed fittings and instructions. See Figure 5.

Electrical

1. The dishwasher operates on a 120 volt, 60 Hz electrical supply. Provide a separate circuit with a fuse or circuit breaker rated for at least 15 amps (20 amps if connected with disposer) but not more than 20 amps.
2. Note the locations of electrical supply and dishwasher’s electrical connection box on right underside of unit behind kickplate assembly. See Figure 3.
3. Cut access hole in shaded area shown in Figure 2.
4. Pull electrical cable through hole into installation area.

Water

1. Determine where you will connect to hot water supply. Review Figures 3 and 4 and note the location of water inlet valve.

Property Damage

Do not use the furnished drain hose or a rubber garden hose for the water supply line. Either of these hoses can burst. Flooding may occur and cause property damage.

CAUTION

1. Be sure water inlet valve is protected from freezing. If valve freezes and ruptures, flooding may occur.
2. Determine amount of tubing needed to connect hot water supply to the unit’s water inlet valve. Copper tubing must have a minimum 1/4" OD. High-pressure and high-temperature rated plastic tubing with a minimum inner diameter of 1/4" may be used. A shut-off valve installed outside dishwasher cabinet is best. See Figure 4.

WARNING: Electric Shock Hazard

1. Electrical, water, and drain lines must be confined to shaded areas in Figure 2.
2. Electric conduits, water, and drain could be damaged. Failure to follow these instructions could result in fire or electric shock.

IMPORTANT: For proper operation and appearance of unit, cabinet opening should have dimensions as shown in Figure 2. If unit is to be placed in a corner, there must be at least a 2" side clearance to open door.
3. Remove any carpet from area to provide motor clearance. Floor should be flat and free of any obstruction.

Drying Vent Hose (if equipped)

Care must be given during installation and removal of the dishwasher to avoid disconnection of the vent hose that is attached to the top of the dishwasher.
4. Secure drain hose to sink drain, disposer, or separate trap with a clamp. Do not overtighten clamp or you may damage end of hose.

Failure to follow this warning could result in death or serious injury.

5. Check that water inlet valve is not attached to sink. If water inlet valve clogs, make sure water supply is off. If using a NPT valve, remove four (4) screws at end of valve and clean filter screen. Using a 1/2” hose thread fitting simply clean filter screen.

Failure to follow these instructions could result in death or serious injury.

6. Water Line

Flush water line before connecting it to water inlet valve to prevent early clogging of filter screen. Place a bunched towel over end of line to prevent splashing. Open water supply valve for 30 seconds and let water drain into a pan. Turn off water supply at shut-off valve.

Failure to follow this warning could result in death or serious injury.

7. Electrical Supply

1. Remove junction box cover and pull house wiring into junction box. See Figures 12 and 13.

Failure to follow this warning may result in electric shock.

2. Use a UL listed conduit connector, (not included), at box to stabilize wiring.

IMPORTANT: Be sure electrical cable is not routed behind dishwasher’s motor.

3. Inside junction box, attach ground wire under head of grounding screw. See Figure 3.

Failure to follow this warning could result in death or serious injury.

4. Connect incoming black lead to dishwasher’s black lead and incoming white lead to dishwasher’s white lead with wire nuts or other suitable connectors, (not included). Wire nuts should be tight.

Failure to follow these instructions could result in death or serious injury.

8. Finishing the Electrical Connection

1. The dishwasher must be connected to a grounded metal, permanent wiring system. The equipment-grounding conductor must be run with the circuit conductors and connected to the appliance’s equipment grounding terminal or lead. It is the consumer’s responsibility to contact a qualified installer to make sure the electrical installation conforms with the National Electrical Code and local codes and ordinances.

Failure to follow this warning could result in death or serious injury.

2. Do not use an extension cord. Such use can result in fire, electrical shock, or other personal injury.

Failure to follow these instructions could result in death or serious injury.

3. Place one hand on each side of door and pull down at top approximately 1/2”. Pull entire door assembly toward you to remove. See Figure 16b.

Failure to follow this warning could result in electric shock.