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 lines. The best location is on either side of the dishwasher cabinet (including the underside of the countertop) be sealed with an oil based paint or moisture-proof polyurethane to prevent possible steam/moisture damage.

Installation Tips

- Drill, Electric
- Driver, Socket 5/32”, 1/4", 5/16"
- Flaring Tool, Tube Cutter (for copper tubing)
- Flashlight
- Gloves
- Level
- Pipe Joint Compound (for iron pipe plumbing) or Flax Thread Tape (for sealing threads)
- Plugs
- Safety Glasses
- Saw, Keyhole or 1/4", 1/2" to 2" Hole Cutters
- Screw Drivers, Slotted and Phillips (magnetic tip preferred)
- Tape, Electrical or Duct
- Tape, Measuring
- Wire Stripper or Utility Knife
- Wrench, Hex-end
- Wrenches, 2 Adjustable (for copper tubing) or 2 Pipe wrenches (for iron pipe plumbing)

Connections For Electrical, Water, and Drain

- 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.
2. All connections must be made in shaded area in Figure 2.

- Alert: An air gap is required. If the cabinet wall is wood, sand edges of hole until smooth and round. If cabinet wall is metal, cover all sharp edges with electrical or duct tape to avoid cutting drain hose.

- IMPORTANT: Disconnect power before starting installation. A “Y” branch nipples and connector kit, not included, will make this method easier and includes all needed fittings and instructions. See Figure 5.

- 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.

Dishwasher Installation Instructions

Parts You Will Need* (Not Included)

- Drain Hose Clamp: 1½" Diameter
- Elbow: 90° with a 1¼” National Pipe Thread or 1½” Hose Thread Fitting
- Conduit Connector
- Wire Nuts: two (2) for 12-14 gauge wire
- Plumbers Tape

If required: Available at:

- "Y" Branch Takeoff and Connector Kit (See Step 4)
- Air Gap Kit (See Step 4)  = Plumbing Supply Store
- Fasteners for floor anchoring (See Step 3)  = Hardware Store
- 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.

- Do not over tighten.
- Disconnect power before starting installation.

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 disposal) but not more than 20 amps. 2. Note the locations of electrical supply and dishwasher’s electrical junction 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 Figure 3 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.

- Be sure water inlet valve is protected from freezing. If valve freezes and ruptures, flooding may occur.
- Determine amount of tubing needed to connect hot water supply to the unit’s water inlet valve. Copper tubing must have a minimum 1/2” 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.

- 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-inch side clearance to open door.
2. Remove any carpet from area to provide motor clearance. Floor should be flat and free of any obstruction.

- IMPORTANT: Drain, water, and electrical lines should be roughed-in before going any further.

WARNING

- Disconnect power before starting installation.
- A “Y” branch nipples and connector kit, not included, will make this method easier and includes all needed fittings and instructions. See Figure 5.

Safety

- Always wear safety glasses.
- Never sit on or stand on the dishwasher during installation.
- Make sure no children or pets are near the dishwasher during installation.
- Never touch a power source while you are wet.

- Do not make any connections behind the dishwasher while it is energized.
- Do not install your dishwasher in a room painted with a lead-based paint.

- 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 lines. The best location is on either side of the dishwasher cabinet (including the underside of the countertop) be sealed with an oil based paint or moisture-proof polyurethane to prevent possible steam/moisture damage.

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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.

- Do not over tighten.
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- Alert: An air gap is required. If the cabinet wall is wood, sand edges of hole until smooth and round. If cabinet wall is metal, cover all sharp edges with electrical or duct tape to avoid cutting drain hose.

- IMPORTANT: Disconnect power before starting installation. A “Y” branch nipples and connector kit, not included, will make this method easier and includes all needed fittings and instructions. See Figure 5.
3. Move unit back in place while routing drain hose through access.
4. Adjust levelers up or down until dishwasher is level.
5. Loosen the front and rear leveling legs by turning 1/2 turn counterclockwise. Refer to chart for number of turns. See Figure 8. Front levelers should allow 1/16” below underside of countertop.
6. The drain hose loop must be at least 32” high from the floor to insure proper drainage.

**Electrical Supply**

1. Remove junction box cover and pull house wiring into junction box. See Figure 12 and 13.
2. Use a U.L. listed conduit connector, (not included), at box to stabilize wiring.
3. Inside junction box, attach ground wire under head of grounding screw. See Figure 13.
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.
5. Replace junction box cover. See Figure 13.

**Securing the Dishwasher**

1. Install the Cabinet Seal Kit (Instructions included in Kit).
2. Replace Kickplate. See Figure 1
3. Adjust levelers (see Step 5) so mounting brackets touch underside of counter. IMPORTANT: Dishwasher must rest on floor—do not hang from countertop. See Figure 14.
4. Tub needs to be even with the front of adjoining cabinets.
5. Screw mounting brackets firmly to countertop using screws provided in literature package.
6. Open and close dishwasher door slowly. If door hits mounting brackets lower the dishwasher in front and rear.

**Finishing the Water Connection**

1. 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 a few seconds and let water drain into a pan. Turn off water supply at shut-off valve.
2. Route water line to water inlet valve as shown in Figure 11b. While firmly pulling water supply line into 90° elbow, tightly connect water supply to water inlet valve. Supply line must be free of kinks, crimps, chips or lubricants.
3. Turn on water supply and check for leaks.
4. If water inlet valve clogs, make sure water supply is off. If using a 3/8” NPT valve, remove four (4) screws at inlet end of valve and clean filter screen. If using a 1/2” hose thread fillipingly clean filter screen.

**Finishing the Drain Connection**

1. Pull out unit and check to see if drain hose is correctly attached to the drain pump assembly. If drain hose is not attached to drain pump, follow the instruction sheet, (included with dish hose) on how to correctly install the drain hose to the drain pump assembly.
2. Move unit back in place while routing drain hose through access hole. Use caution to prevent damage to the dishwasher, floor and cabinets. IMPORTANT: Make sure there are no sharp bends or kinks that might restrict drain flow.
3. Secure drain hose to sink drain, disposer, or separate trap with a clamp. IMPORTANT: Be careful not to overtighten clamp or you may damage end of hose. Do not connect hose to horizontal pipes between sink drain and disposer.
4. Be sure unit does not rest on drain hose. It should be free of electrical components and door springs. Do not cut corrugated drain hose. Pull hose through cabinet and place under sink. Make sure hose does not come in contact with any sharp edges. See Figure 10.

**Floor Anchoring**

1. Place dishwasher to the countertop or to the floor is not a desirable option, you can order the side mount kit, 154806601/02, by contacting your dealer or parts supplier. This allows you to install the dishwasher by securing it to the cabinets or partitions on either side of the unit. The kit utilizes the front frame of the dishwasher to secure the unit to the cabinet or partitions.
2. Use expansion fasteners if floor is concrete.
3. Open and close door to make sure it does not hit surrounding cabinet or counter.
4. Joining aluminum building wire to stranded copper wire should be done by a qualified electrician using materials recognized by UL and local codes.
5. Make sure electrical power has been disconnected at fuse box before beginning installation.

**Removing & Replacing Door**

1. Un latch and open door. Using a Phillips head screw driver, remove two (2) screws from inner door. Save screws to reassemble. See Figure 14a.
2. Close and latch door while holding both sides.
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.
4. Use Phillips Head Screwdriver to remove kickplate. See Figure 14.

**Replacing Door**

1. Refer to Step 10, numbers 5 & 6, for replacing outer door.
3. Tub needs to be even with the front of adjoining cabinets.
4. Open and close dishwasher door slowly. If door hits mounting brackets lower the dishwasher in front and rear.
5. Place dishwasher to the countertop or to the floor is not a desirable option, you can order the side mount kit, 154806601/02, by contacting your dealer or parts supplier. This allows you to install the dishwasher by securing it to the cabinets or partitions on either side of the unit. The kit utilizes the front frame of the dishwasher to secure the unit to the cabinet or partitions.
6. Electric Shock Hazard
7. Do not connect water inlet valve clogs, make sure water supply is off. If using a 3/8” NPT valve, remove four (4) screws at inlet end of valve and clean filter screen. If using a 1/2” hose thread fillipingly clean filter screen.
8. Use 1/4” Lag Screws from inner door. Save screws to reassemble. See Figures 12 and 13.
9. Tighten all screws securely.
10. Use expansion fasteners if floor is concrete.
11. Open and close door to make sure it does not hit surrounding cabinet or counter.
12. All wiring connections must be enclosed in the junction box. 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. Do not connect the dishwasher to the power supply until the appliance is permanently grounded.
13. Do not connect the dishwasher to the water supply until the appliance is permanently grounded.
14. The Life expectancy of the motor is approximately 10 years. To order a replacement motor, contact your nearest authorized service center or parts supplier.

**Useful Hints**

1. Make sure the dishwasher is level before installing electrical and water connections to the appliance.
2. Do not let water enter the appliance when it is not in use.
3. Do not attempt to repair dishwasher, disposer or water heater if the plug has been removed from the wall outlet.
4. Do not use a disposal if the drain hose is kinked, secured in contact with wiring or electrical components. Do not cut corrugated drain hose. Pull hose through cabinet and place under sink. Make sure hose does not come in contact with any sharp edges.

**Checking the Installation**

1. Check the installation is correct, there are no leaks, and unit runs properly, replace the kickplate assembly before placing unit into operation.
2. Open and close door to make sure it does not hit surrounding cabinet or counter.
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.
4. Use Phillips Head Screwdriver to remove kickplate. See Figure 14.

**WARNING**

- This appliance is equipped with an electric shock hazard.
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