Dishwasher Installation Instructions



INSTALLER: Leave Installation Instructions with owner OWNER: Read your dishwasher Owner's Guide. It contains important safety information for operating this appliance. It also has many suggestions for getting the best results from your dishwasher.

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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

A WARNING Tip Over Hazard

Do not use dishwasher until completely installed.

Do not push down on open door.

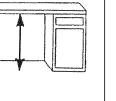
Failure to follow this warning can result in serious injury.

Installation Tips

Tools and Materials Needed for Installation

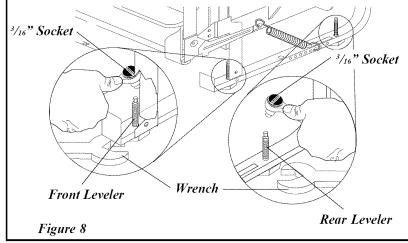
- Drill, Electric
- Driver, Socket 3/16", 1/4", 5/16" Flaring Tool / Tube Cutter (for copper tubing)
- Flashlight
- Level Pipe Joint Compound (for iron pipe plumbing) or
- Pipe Thread Tape (for sealing threads)
- Pliers
- Safety Glasses Saw, Keyhole or 1/2", 11/2" to 2" Hole Cutters
- Screw Drivers, Slotted and #2 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)

• Drain Hose Clamp, 11/4" Diameter

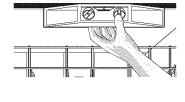


Leg Levele	r Adjustment Chart
Height of Cabinet Openir	Number of Turns to Adjust Levelers
34" (86.4cm) 0
34 ¹ / ₈ " (86.7cn	n) 2
34 ⁵ / ₁₆ " (87.2cr	m) 6
34 ¹ / ₂ " (87.6cn	n) 9

- For additional height add shims under levelers.
- 2. Move dishwasher to front of installation area.
- 3. Loosen the front and rear leveling legs by turning counterclockwise. Refer to chart for number of turns. See countertop.



- 4. If levelers have to be removed, make sure floor is free of
- damage to dishwasher, floor, and cabinets.
- 6. Check that dishwasher is level from side to side by placing a level against the top front section of the tub. See Figure 9a.



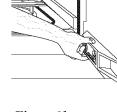
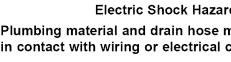


Figure 9a

on side of opened door. See Figure 9b.

8. Adjust levelers up or down until dishwasher is level.

Connection



Plumbing material and drain hose must not come

in contact with wiring or electrical components. Failure to follow this warning could result in personal injury from exposed wiring.

- 1. Pull out unit and move 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. 2. Secure drain hose to sink drain, disposer, or separate trap with a clamp. IMPORTANT: Be careful not to overtighten clamp or
- 3. Be sure unit does not rest on drain hose. It should be free of See Figure 10.

Parts You Will Need* (Not Included)

- · Strain Relief Bushing • Wire Nuts, two (2) for 12-14 gauge wire

• Elbow, 90° with a 3/8" National Pipe Thread

• "Y" Branch Tailpiece and Connector Kit (See Step 4) • Air Gap Kit (See Step 4)

anchoring (See Step 9)

in loading dishes. See Step 4.

required. See Steps 4 and 8.

See Steps 4 and 7.

See Steps 4 and 7.

obstruction.)

disposer inlet. See Steps 4 and 6.

· Fasteners for floor

If required:

Available at:

Hardware Store

Electric Shock Hazard

Disconnect electrical power at the fuse box or

Examine dishwasher and locate connections. See Step 4.

water, and electrical lines. The best location is on either side

of the kitchen sink for access to existing plumbing and ease

Electrical, water, and drain connections are not the same for

A 15-20 amp, grounded, 120 volt AC only, electrical supply is

Locate dishwasher where there is easy access to drain,

all age, brands, or models of dishwashers. Check the

location and length of home utilities. See Step 4.

If dishwasher drain hose will be connected to a food disposer for the first time, knock out plug located inside

remove drain hose from tub attachment. See Step 6.

Kinked water or drain hoses can cause problems. Do not

Dishwashers need to be connected to a hot water supply

with enough water pressure to insure an adequate fill.

Each home installation differs. You will need additional

Flush water line prior to making the final connection to

The dishwasher will look, sound, and perform best when

prevent clogging of dishwasher's filter screen. See Step 7.

properly leveled. See Step 5. (NOTE: If levelers are removed during installation, make sure the floor is flat and free of any

1. Remove two (2) screws at front of the kickplate assembly using

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

Kickplate Assembly

Adjustable Toeplate with Insulation

Figure 1

Kickplate

can find directions for removing door in Step 10.

parts listed above to complete your installation.

Anchor the dishwasher to countertop. See Step 9.

Installation Preparation

2. Tilt and pull forward to remove. See Figure 1.

a #2 Phillips screw driver.

Water Inlet

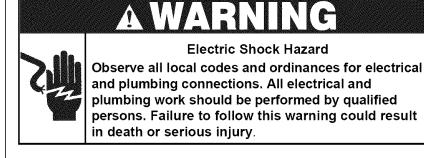
overtightening.

circuit breaker box before beginning installation.

Failure to follow this warning could result in death

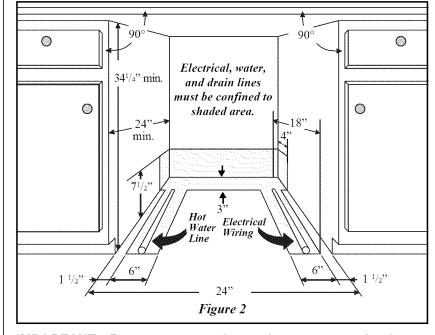
Plumbing Supply Store

Plumbing Supply Store



Roughing In

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.



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.

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

Electric Shock Hazard

and back must be fully enclosed.

NOTE: If dishwasher is installed at end of a cabinet line, sides

Connections For Electrical, Water, and Drain

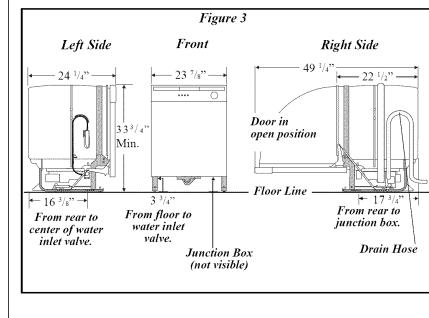
front of dishwasher motor or frame. Locating the Connections

IMPORTANT: Do not cross drain, water, and electrical lines in

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.

IMPORTANT: Do not remove drain hose from side of unit. Figure 3



IMPORTANT: 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 disposer) 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

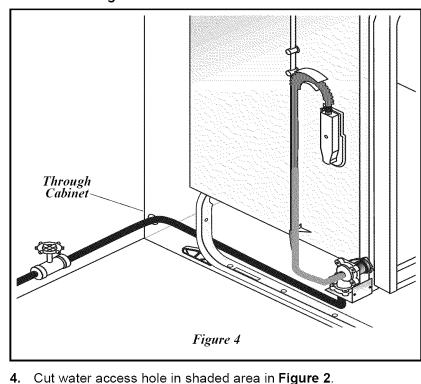
1. Determine where you will connect to hot water supply. Review Figure 3 and note the location of water inlet valve.

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.

2. Be sure water inlet valve is protected from freezing. If valve freezes and ruptures, flooding may occur.

Flooding may occur and cause property damage.

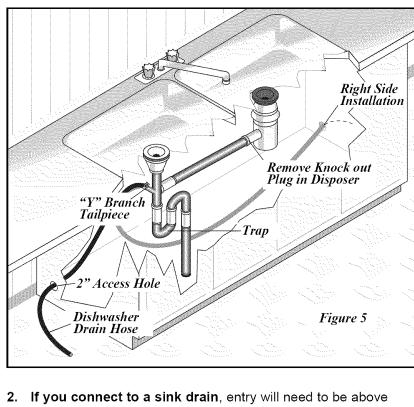
3. Determine amount of tubing needed to connect hot water supply to the unit's water inlet valve. Copper tubing must have a minimum ³/₈" OD. High-pressure and high-temperature rated plastic tubing with a minimum **inner** diameter of 1/4" may be used. A shut-off valve installed **outside** dishwasher cabinet is best. See Figure 4.



5. Route water supply line into installation area IMPORTANT: Incoming hot water temperature should be at least 120°F (49°C). Water pressure should be between 20-120 psi.

Drain

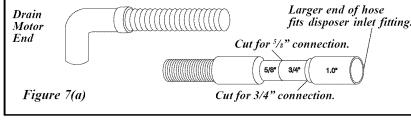
I. Review Figures 5 and 6 to see the different ways to connect dishwasher to drain system. Choose method that best suits your

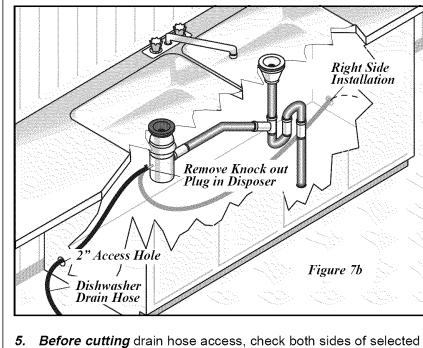


trap. A "Y" branch tailpiece and connector kit, not included, will make this method easier and includes all needed fittings and instructions. See Figure 5.

Figure 6 Right Side

- 3. If you connect to a sink trap, local codes may require you to install an air gap kit, not included. The drain hose will be routed from dishwasher to air gap inlet as shown in Figure 6. An air gap kit is available from a plumbing supply store.
- 4. If you connect to a disposer, the large end of drain hose will fit. Figure 7(a). The knock out plug must be removed from inside disposer inlet before making the final fit to drain hose. See Figure 7(b).

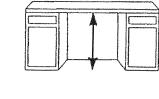




- area to avoid interference. Cut a 2" diameter hole in shaded area shown in Figure 2. **6.** If the cabinet wall is wood, sand edges of hole until smooth and
- rounded. If cabinet wall is metal, cover all sharp edges with electrical or duct tape to avoid cutting drain hose.

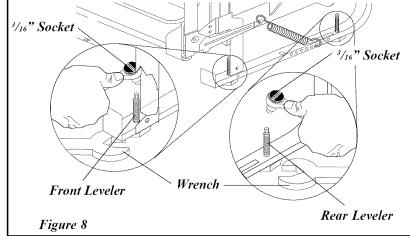
Leveling Dishwasher within Cabinets

Measure height of cabinet opening from underside of countertop to floor. Check chart for height opening and suggested adjustment.

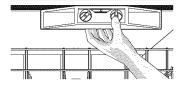


Leg Leveler Adjustment Chart		
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34 ¹ / ₂ " (87.6cm)	9	

- Figure 8. Front levelers should allow 1/4" below underside of



- 5. Place dishwasher inside cabinet area so that it is centered in opening. Use caution when moving dishwasher to prevent





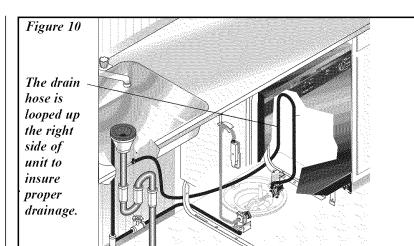


Finishing the Drain 6

Electric Shock Hazard

you may damage end of hose. Do not connect hose to horizontal pipe between sink drain and disposer.

electrical components and door springs. Do not cut corrugated drain hose. Pull excess through cabinet and place under sink. Make sure hose does not come in contact with any sharp edges.



3. Locate water inlet valve behind kickplate on bottom left

joint compound) and thread it into water inlet valve.

underside of unit. The valve has a 3/8" NPT female fitting.

4. Wrap 90° elbow (not included) with pipe thread tape (or apply

5. Tighten elbow with a wrench, leaving elbow pointing toward rear

of unit. To prevent bending of bracket or breaking of valve, avoid

Note: Do not remove hose from attachment

Finishing the Water Connection

A CAUTION

Property Damage Do not solder within 6" of the water inlet valve. Damage to the plastic parts in the valve may occur

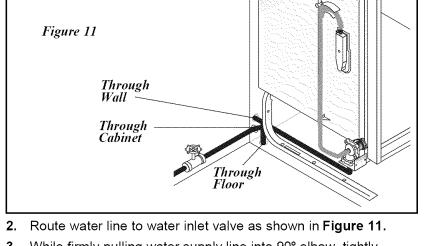
Use care that no sealer, dirt, or other objects enter the valve. Damage to the filter screen may occur. Be sure the dishwasher is placed where the water inlet valve will be kept from freezing. If the valve freezes, it may

1. Flush water line before connecting it to water inlet valve to

Water Line

rupture and flooding may occur.

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



3. While firmly pulling water supply line into 90° elbow, tightly connect water supply to water inlet valve. Supply line must be free of kinks, scales, chips, and lubricants. 4. Turn on water supply and check for leaks. 5. If water inlet valve clogs, make sure water supply is off. Remove

four (4) screws at inlet end of valve and clean filter screen. Finishing the Electrical

Connection **AWARNING**

Electric Shock Hazard

box or circuit breaker 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

Make sure electrical power has been disconnected at fuse

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.

Joining aluminum building wire to stranded copper wire should be done by a qualified electrician using materials recognized by UL and local codes.

This unit has copper lead wires.

All wiring connections must be enclosed in the junction box.

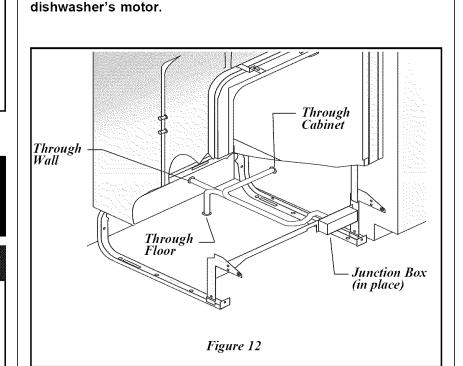
Do not use an extension cord. Such use can result in fire. electrical shock, or other personal injury. Failure to follow these instructions could result in death or serious injury.

Electrical Supply

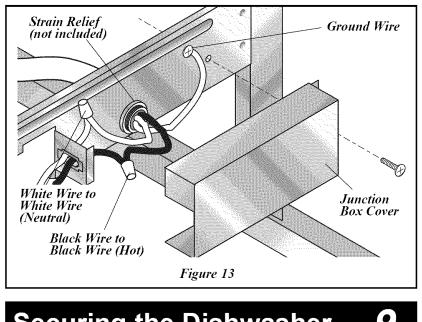
Remove junction box cover and pull house wiring into junction

box. See Figures 12 and 13. 2. Use a UL listed strain-relief bushing, not included, at box to

IMPORTANT: Be sure electrical cable is not routed behind



- Inside junction box, attach ground wire under head of grounding
- screw and tighten. 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
- 5. Replace junction box cover. See Figure 13.



Securing the Dishwasher The dishwasher must be secured to keep it from tilting when door is

opened. Choose one of the methods described below to secure unit.

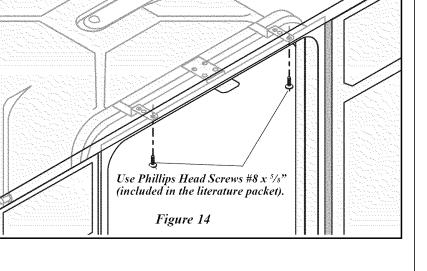
Countertop Anchoring

1. Adjust levelers (see Step 5) so mounting brackets touch

bracket screw heads, adjust front levelers.

underside of countertop. IMPORTANT: Dishwasher must rest on floor—do not hang from countertop. See Figure 14. 2. Screw mounting brackets firmly to countertop using screws provided in literature packet.

Open and close dishwasher door slowly. If door hits mounting

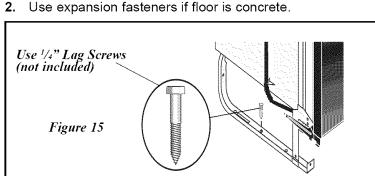


Floor Anchoring

This procedure is difficult and should be used only if countertop

mounting brackets cannot be used. 1. Screw ¹/₄" lag screws, not included, through holes provided in

frame rail. See Figure 15.



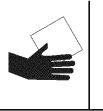
Installing Wood Panel Removing & Replacing Door

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

Cut Hazard

death or serious injury.



Metal color panels are sharp and should be handled with care. Wear gloves to protect Failure to follow this warning may result in

The dishwasher door panel can be customized to match wood cabinets. This will require a kit that includes a mid-door with side

and bottom trim, heavy duty door springs and instructions. Order kit based on the color of side trim desired Part No. 154310301 has white trim Part No. 154310302 has almond trim.

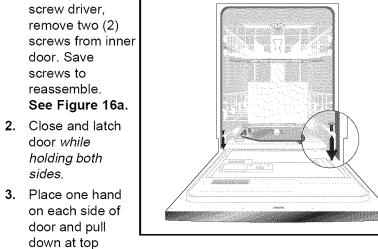
Part No. 154310303 has black trim

These kits are available from your dealer or parts supplier.

To Install a Custom Wood Panel

To Remove and Replace Outer Door

open door. Using a Phillips head screw driver, remove two (2) screws from inne door. Save screws to reassemble See Figure 16a. 2. Close and latch



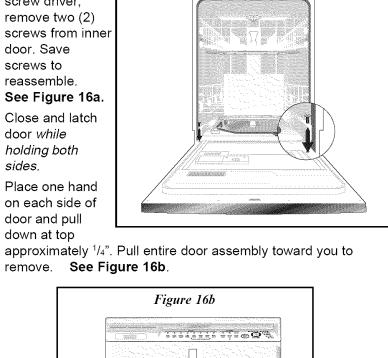
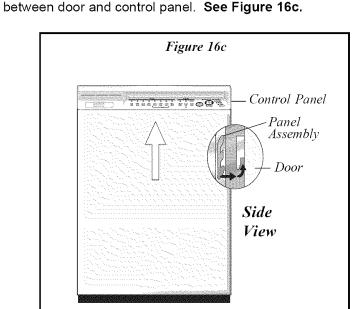


Figure 16a

4. Place door where it will not get scratched or damaged while

completing installation. 5. When ready to replace door, fit the slots on each side of top door edge over the tabs on the metal liner. Push on sides to insure the door is flat. Push up from bottom until there is no gap



6. Unlatch door and open while supporting outer door on both sides at bottom to keep in place. Align screw holes and replace

Checking the Installation

Before starting the dishwasher, check these items:

☐ Dishwasher is level and securely fastened.

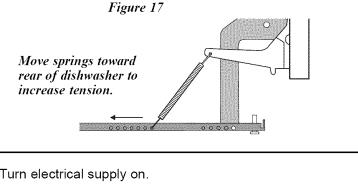
□ Joints are free of leaks.

Replacing Door

screws.

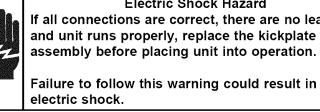
1. Refer to Step 10, numbers 5 and 6, for replacing outer door. 2. Adjust door springs to balance weight of door. A correct spring setting allows door to remain horizontal in opened position, yet

3. If necessary, increase tension by moving springs to a hole toward rear of unit or decrease by moving them toward front. See Figure 17.

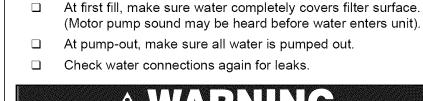


checking the following items:





4. Turn electrical supply on. Operate the machine through at least one fill and pump-out,



If all connections are correct, there are no leaks,

Failure to follow this warning could result in

