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You can read the recommendations in the user guide, the technical guide or the installation guide for FRIGIDAIRE FDB1100RH. You'll find the answers to all your questions on the FRIGIDAIRE FDB1100RH in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual FRIGIDAIRE FDB1100RH User guide FRIGIDAIRE FDB1100RH Operating instructions FRIGIDAIRE FDB1100RH Instructions for use FRIGIDAIRE FDB1100RH Instruction manual FRIGIDAIRE FDB1100RH

Dishwasher Installation Instructions



INSTALLER Leave installation instructions with owner.
OWNER Read your dishwasher User and Care Manual. 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 final location for the dishwasher.

WARNING

Tip Over Hazard
Do not use dishwasher until completely installed. Failure to follow this warning can result in serious injury.

Installation Tips

Tools and Materials Needed for Installation

- 1/4" Electric
- Drive Socket 1/4" x 1/2"
- Flaring Tool/Tube Cutter (for copper tubing)
- Flashlight
- Level
- Pipe Joint Compound (for copper plumbing) or Pipe Thread Tape (for steel threads)
- Pliers
- Safety Glasses
- Saw, Hacksaw or 1", 1 1/2" Hole Cutters
- Soap Dishes, Dishes and 42 Phillips (may require grease)
- Tape Measure
- Tape Electrical or Duct
- Wire Stripper or Utility Knife
- Wrench, Hex and
- Wrenches 2 Adjustable (for copper tubing) or 2 Pipe wrenches (for copper plumbing)

Parts You Will Need* (Not Included)

- Drain Hose Clamp, 1/2" Diameter
 - Elbow, 3/4" x 1/2" National Pipe Thread
 - Conical Connector
 - Water Filter (2) for 12-14 gauge wire
- * If required:**
- 1/4" Branch Teflon and Connector (for Step 4)
 - Air Gap (A) (See Step 4)
 - Fasteners (see Step 5)
- Available at:**
- Plumbing Supply Store
 - Plumbing Supply Store
 - Hardware Store

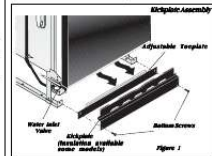
WARNING

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

- Examine dishwasher and locate connections. See Step 4.
- Locate dishwasher where there is easy access to drain, water, and electrical lines. The location is on either side of the kitchen sink for easier existing plumbing and ease in loading dishes. See Step 4.
- Electrical, water, and drain connections are not the same for all cupboards, or models of dishwashers. Check the location and length of home utilities. See Step 4.
- A 15-20 amp grounded 120 volt AC only electrical supply is required. See Steps 4 and 8.
- If dishwasher drain hose will be connected to a hood disposer for the countertop, knock out plug located inside disposer inlet. See Steps 4 and 7.
- Spliced water or drain hoses, creates problems. See Step 5.
- Dishwashers need to be connected to a hot water supply with enough air pressure to insure an adequate fit. See Steps 4 and 7.
- Each home installation differs. You will need additional parts listed below to complete your installation. See Steps 4 and 7.
- Rush water line prior to making the final connection to prevent dripping of dishwasher if line occurs. See Step 2.
- The dishwasher will look, sound, and perform best when properly leveled. See Step 6. (NOTE: If leveling is not achieved during installation, make sure the floor is flat and free of any obstruction.)
- Anchor the dishwasher. See Step 8.

Installation Preparation

- Remove two (2) screws from the top of the assembly using a #2 Phillips screw driver.
 - Do not pull forward on screws. See Figure 1.
- NOTE:** It is not necessary to remove the roller door by installation. However, you might find it more convenient to do so. You can find instructions for removing door in Step 10.



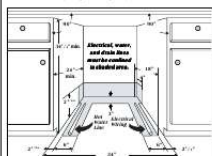
- Locate water inlet valve behind the cabinet on bottom left underside of unit. The valve has a 1/2" NPT female fitting.
- Wrap 90° elbow (not included) with pipe thread tape (in apply pipe compound) and attach to the water inlet valve.
- Tighten elbow with a wrench, leaving allowance for a hand fit only. Tighten banding on bracket on working of valve, and avoid over-tightening.

Cabinet Preparation:
As a precaution, it is recommended, but not required that the cabinet's exterior wall of the dishwasher (including the underside of the countertop) be sealed with an oil based paint or moisture-proof polyurethane to prevent possible steam moisture damage.

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

- Make sure you install in the right drain, water, and electrical outlets to make the connections. Do not install unit under a countertop. Damage to plastic 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 wide clearance to open door.

- Remove any caps from water provide motor drain hole. Floor should be flat and free of any obstruction.

WARNING
Electric Shock Hazard
Electrical conductors, water, and drain lines should be damaged. Failure to follow these instructions could result in fire or electric shock.

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

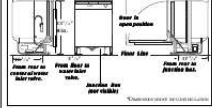
NOTE: You can use a Cabinet Fast Kit (KIT # 10-622001) by contacting your dealer or parts supplier. This kit provides a seal between the unit and cabinets once installation is complete. (This kit is included on select models).

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

- Remove connections in Figure 3 to make dishwasher's drain, water, and electrical connections.
- All connections must be made in shaded areas in Figure 2.



IMPORTANT: Disconnect power before starting installation.

Electrical

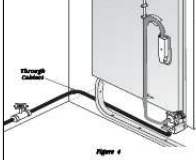
- The dishwasher operates on a 120 volt, 60 Hz electrical supply. Provide a separate circuit with a fuse or circuit breaker rated for at least 15 amps (20 amp if connected with disposer) but not more than 20 amps.
- Note the location of electrical supply and dishwasher's electrical junction box on right under side of unit behind to locate assembly. See Figure 3.
- Cut access hole in shaded areas shown in Figure 2.
- Run electrical cable through hole into installation area.

Water

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

CAUTION
Property Damage
Do not use the bracket of air hose or a rubber garden hose for the water supply line. Either of these hoses can burst. Flooding may occur and cause property damage.

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

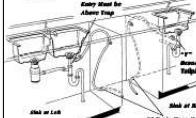


- Cut water access hole in shaded area in Figure 2.
- Route water supply line into installation area.

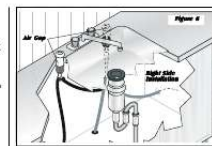
IMPORTANT: Incoming hot water temperature should be at least 120°F (49°C). Water pressure should be between 20-70 psi.

Drain

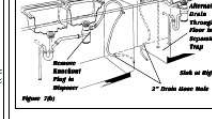
- Review Figures 5, 6 and 7 for how the drain air ways fit connected dishwasher to drain system. Choose method that best suits your need.



- If you connect to a sink drain, entry will need to be about 1/4" A 1/4" branch tap and connector A, not included will make the method easier and saves all needed fittings and instructions. See Figure 5.



- If you connect to a sink trap, final codes may require you to install an air gap (not included). The drain hose will need a 3/4" diameter hole in pipe that is shown in Figure 6. An air gap kit is available from a plumbing supply store. (If the drain hose is installed through the floor, an air gap is not necessary).
- If you connect to a disposer, the top end of air hose will fit Figure 7(b). The knock out plug must be removed from inside disposer prior to making the final fit to drain hose. See Figure 7(b).



- Before cutting drain hole access a drain hole of selected size to match the drain hose. Cut a 2" diameter hole in shaded area shown in Figure 2.
- If the cabinet wall is wood, sand edges of hole until smooth and rounded. If cabinet wall is metal, cover all sharp edges with whetstone or sand paper to avoid cutting an air hose.



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Manual abstract:

Figure 6 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.

Air Gap * If required: · "Y" Branch Tailpiece and Connector Kit (See Step 4) · Air Gap Kit (See Step 4) · Fasteners for floor anchoring (See Step 9) Available at: Plumbing Supply Store Plumbing Supply Store Hardware Store Electric Shock Hazard Observe all local codes and ordinances for electrical and plumbing connections. All electrical and plumbing work should be performed by qualified persons. 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. Right Side Installation Water 1. Determine where you will connect to hot water supply. Review Figure 3 and note the location of water inlet valve.

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). @ @See Figure 7(b). Drain Motor End Cut for 5/8" connection. Larger end of hose fits disposer inlet fitting.

@ @ @ @ See Step 4. · Locate dishwasher where there is easy access to drain, water, and electrical lines. The best location is on either side of the kitchen sink for access to existing plumbing and ease in loading dishes. See Step 4. · Electrical, water, and drain connections are not the same for all age, brands, or models of dishwashers. Check the location and length of home utilities. See Step 4. · A 15-20 amp, grounded, 120 volt AC only, electrical supply is required.

See Steps 4 and 8. · If dishwasher drain hose will be connected to a food disposer for the first time, knock out plug located inside disposer inlet.

See Steps 4 and 6. · Kinked water or drain hoses can cause problems. See Step 6. INSTALLER: Leave Installation Instructions with owner. OWNER: Read your dishwasher Use and Care Manual.

It contains important safety information for operating this appliance. It also has many suggestions for getting the best results from your dishwasher. Printed in U.S.A.

154427301 (07/05) 2 1/2" 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. 18" 4" 24" min. 2. Be sure water inlet valve is protected from freezing. If valve freezes and ruptures, flooding may occur. 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. 2 1/2" 2 3/4" Hot Electrical Water Wiring Line 3" 6" 24" Figure 2 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. · Dishwashers need to be connected to a hot water supply with enough water pressure to insure an adequate fill.

See Steps 4 and 7. · Each home installation differs. You will need additional parts listed above to complete your installation. See Steps 4 and 7. · Flush water line prior to making the final connection to prevent clogging of dishwasher's filter screen.

See Step 7. · The dishwasher will look, sound, and perform best when properly leveled. See Step 5. (NOTE: If levelers are removed during installation, make sure the floor is flat and free of any obstruction.) · Anchor the dishwasher.

See Step 9. 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 Preparation 1. 2. Tilt and pull forward to remove. See Figure 1. 2 Electric Shock Hazard Electrical, water, and drain lines must be confined to shaded areas in Figure 2. Electric conductors, water, and drain could be damaged.

Failure to follow these instructions could result in fire or electric shock. Remove two (2) screws at front of the kickplate assembly using a #2 Phillips screw driver. NOTE: If dishwasher is installed at end of a cabinet line, sides and back must be fully enclosed. NOTE: You can order a Cabinet Seal Kit (Kit # 154528701) by contacting your dealer or parts supplier. This kit provides a seal between the unit and cabinets once installation is complete. (This kit is included on select models). 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. NOTE: It is not necessary to remove the outer door for installation.

However, you might find it more convenient to do so. @ @ @ @ 2. @ @ @ @ The valve has a 3/8" NPT female fitting. 4. @ @ 5.

@ @ @ @ @ @ @ @ Cut water access hole in shaded area in Figure 2. 5. Route water supply line into installation area. @ @ Water pressure should be between 20/120 psi. 5.

@ @ Cut a 2" diameter hole in shaded area shown in Figure 2. 6. @ @ @ @ @ @ @ @ If you connect to a sink drain, entry will need to be above trap.

@ @ @ @ @ @ @ @ Remove junction box cover and pull house wiring into junction box. See Figures 12 and 13. 2. @ @ @ @ 1. @ @ See Figure 15. 2. Use expansion fasteners if floor is concrete.

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 between door and console. See Figure 16c. Pump Motor Before starting the dishwasher, Use 1/4" Lag Screws (not included) 1 Figure 16c Console Metal Liner Door Leg Leveler Adjustment Chart Height of Number of Turns to Cabinet Opening Adjust Levelers 34" (86.4cm) 0 341/8" (86.



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7cm) 345/16" (87.

2cm) 34 /2" (87.6cm) 1 Remove knockout plug in disposer Figure 10 2 6 9 The drain hose loop must be at least 32" high from the floor to insure proper drainage. Through Cabinet Through Wall Figure 15 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 Figure 8. Front levelers should allow 1/4" below underside of countertop.

Finishing the Water Connection 7 Through Floor Junction Box (in place) Side View Note: If mounting your dishwasher to the countertop or to the floor is not a desirable option, you can order the side mount kit, 154477201, 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. Appearance of console gure 9b 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. 7. Check that dishwasher is level from front to back by placing level on side of opened door.

See Figure 9b. 8. Adjust levelers up or down until dishwasher is level. The dishwasher must be secured to keep it from tilting when door is opened. Choose one of the methods described below to secure unit. Finishing the Drain Connection Electric Shock Hazard 6 Finishing the Electrical Connection 8 To Remove and Replace Outer Door Operate the machine through at least one fill and pump-out, Figure 16a checking the following items: 1. Unlatch and open door. Using a Phillips head screw driver, remove two (2) screws from inner door. Save screws to reassemble. See Figure 16a.

2. Close and latch door while holding both sides. q q q At first fill, make sure water completely covers filter surface. (Motor pump sound may be heard before water enters unit). At pump-out, make sure all water is pumped out.

Check water connections again for leaks. 3. Adjust levelers (see Step 5) so mounting brackets touch underside of countertop. **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 packet. 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 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 drain 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 pipe 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 excess through cabinet and place under sink. Make sure hose does not come in contact with any sharp edges. See Figure 10. Electric Shock Hazard Make sure electrical power has been disconnected at fuse 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 connected to the appliance's equipment grounding terminal or lead. @@@@All wiring connections must be enclosed in the junction box.

This unit has copper lead wires. @@Do not use an extension cord.

@@Failure to follow these instructions could result in death or serious injury. 6. Open and close dishwasher door slowly. If door hits mounting brackets lower the dishwasher in front and rear. Note: Open and close door to make sure it does not hit surrounding cabinets or countertop. Electric Shock Hazard If all connections are correct, there are no leaks, and unit runs properly, replace the kickplate assembly before placing unit into operation. Failure to follow this warning could result in electric shock. 3. Place one hand on each side of door and pull down at top approximately 1/4". Pull entire door assembly toward you to remove.

See Figure 16b. Figure 16b Use Phillips Head Screws # 8 x 5/8" (included in the literature packet). Figure 14 Appearance of console and door may vary from your model. .



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