AUTOMATIC ICE MAKER INSTALLATION INSTRUCTIONS

IMPORTANT

We recommend an authorized service technician to install the ice maker kit.

WARNING

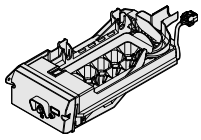
- To avoid electric shock, which can cause death or severe personal injury, disconnect the refrigerator from electrical power before connecting a water supply line to the refrigerator.
- Connect the ice maker to a potable water supply only.

NOTE

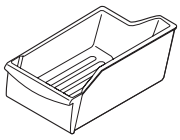
Check with your local building authority for recommendations on water lines and associated materials prior to installing your new refrigerator. For household water line hookup from the home water supply system to the unit, we recommend for homes with existing valves **Smart Choice**® water line kit 5304437642 (with a 6′ Stainless Steel Water Line) and for homes without an existing valve, we recommend **Smart Choice**® water line kit 5304493869 (with a 6′ Polyline Waterline). Please refer to Frigidaire.com for more information.

Tools Needed:	
• Flat head screw driver	• Phillips or Quadrex driver
• ¼″ Hex driver	• Gloves
• Drill	• Needle nose pliers
• Plastic putty knife	

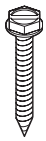
Ice Maker (IMKTF20A) Kit Components



Ice Maker
QTY: 1



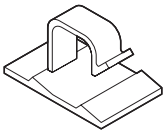
Ice Container
QTY: 1



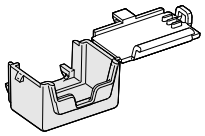
Screw (A)
QTY: 2



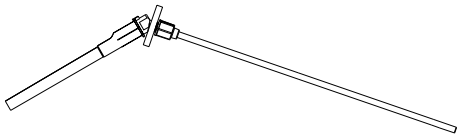
Screw (B)
QTY: 2



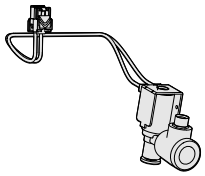
Plastic Clamp
QTY: 3



Ice Maker
Connector Cover
QTY: 1



Water Inlet Tube Assembly
QTY: 1



Water Valve
QTY: 1

Ice Maker Installation Instructions

1. Unplug the refrigerator from the electrical outlet.
2. Remove the spacer. Remove the freezer shelf (some models) by pushing the shelf to the left until the right side of the shelf comes free from the holes. See Figure 1.

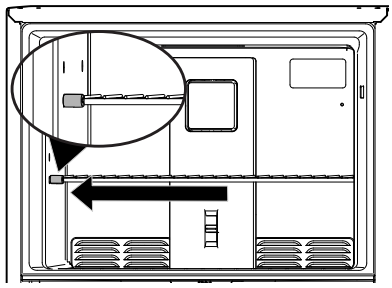


Figure 1

Then slowly lift up and pull the shelf free from the holes on the right side. See Figure 2.

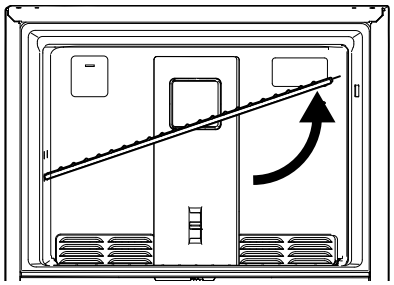


Figure 2

NOTE

Some models have two plugs on the left freezer wall that must be removed. These holes will be used to mount the Ice Maker. (You will also insert the Water Inlet Tube in the plug on the back wall.)

3. Use a plastic putty knife to remove the 2 plugs on the left wall of the freezer compartment. Discard the plugs. See Figure 3.
4. Remove the harness connector cover, where the ice maker will plug in, with a flathead screwdriver. Discard the harness connector cover. See Figure 3.

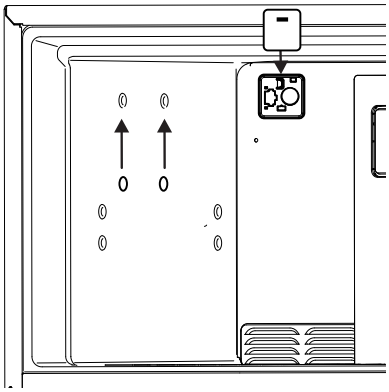


Figure 3

5. Place two, long, ice maker mounting screws (**A**) into freezer wall where plugs were removed in Step 3. Turn each screw clockwise until ½" remains out. See Figure 4.

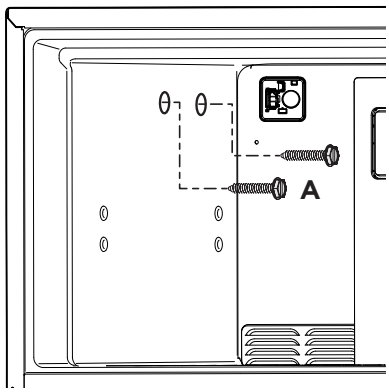


Figure 4

6. Unhook one loop of the ice maker harness. See Figure 5.

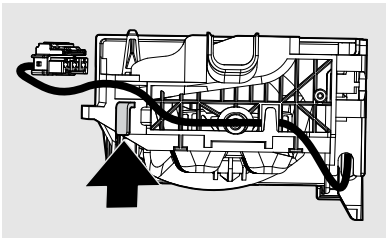


Figure 5

NOTE

You will need both hands to hook up and secure the Ice Maker to the freezer wall. DO NOT let the Ice Maker dangle free after the wiring harness is plugged into the connector on the back freezer wall.

7. Place the ice maker harness into the cover. See Figure 6.

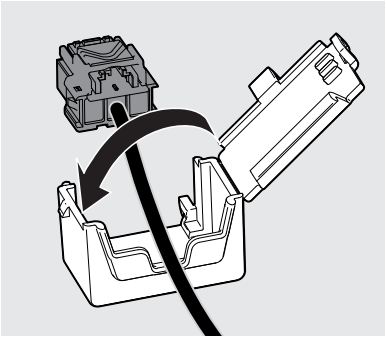


Figure 6

8. Connect the ice maker connector into the mating connector mounted on the back freezer panel. See Figure 7.

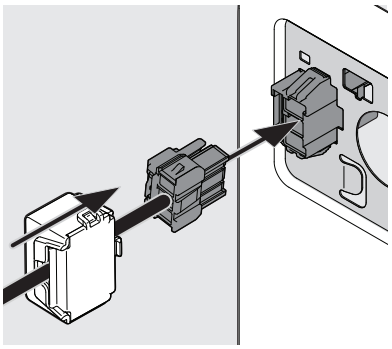


Figure 7

9. Slide the ice maker connector cover over the connector (hook on left Ⓐ, snap on right Ⓑ). See Figure 8.

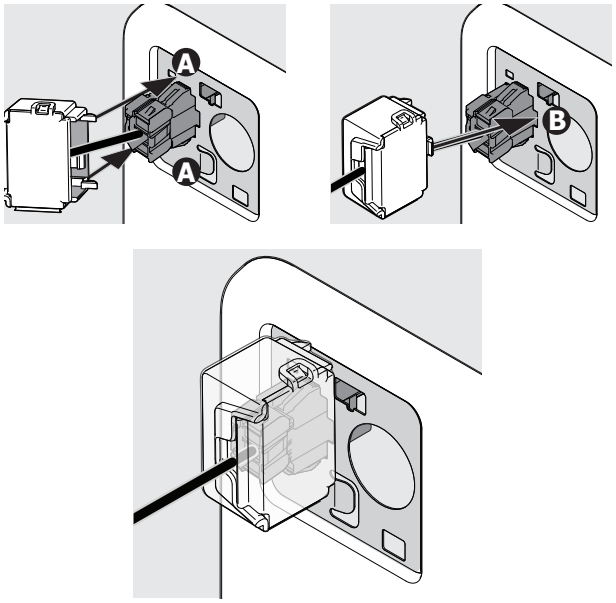


Figure 8

10. Slide the ice maker onto the back screw. See Figure 9A. Then slide the ice maker down onto the front screw. See Figure 9B.

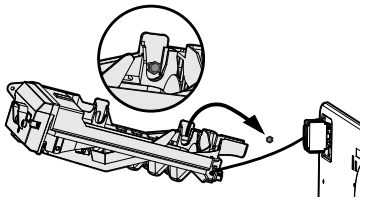


Figure 9A

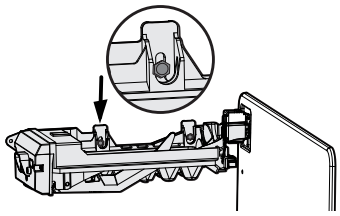


Figure 9B

11. Mount the ice maker to the side wall with the 2 screws (**A**). Tighten the screws to secure the ice maker in place. See Figure 10.

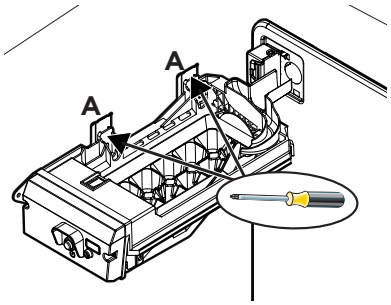


Figure 10

12. Reinstall the freezer shelf in the lower position. Place the ice container on the shelf. See Figure 11.

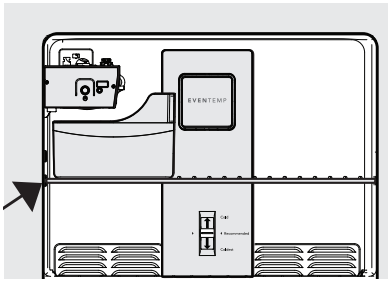


Figure 11

Back of Cabinet Water Valve Installation Instructions

CAUTION

Wear gloves and use extreme CAUTION when handling the access cover.

13. Remove the 4 screws securing the access cover to the cabinet. See Figure 12.

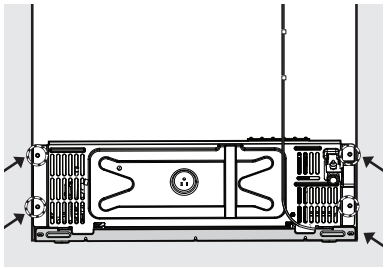


Figure 12

14. Cut the Ice Maker Installation label on dashed lines located on the outside rear panel of the refrigerator at the top, right corner. Push the flaps inward until they stick to the unit. See Figure 13.

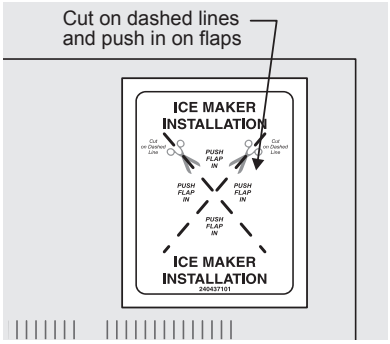


Figure 13

15. If necessary, remove any foam from within the access hole with needle nose pliers. See Figure 14.

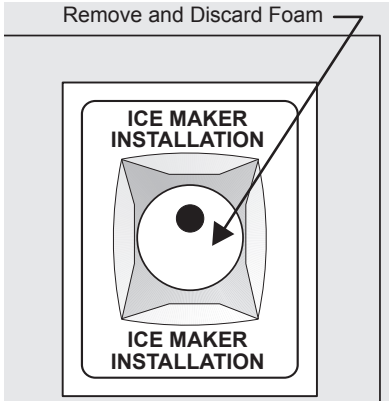
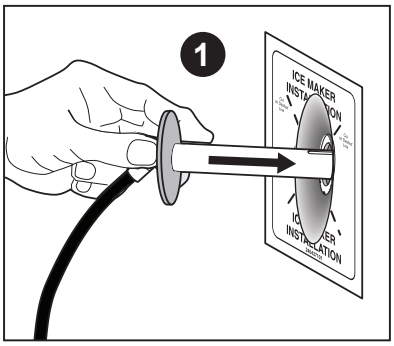


Figure 14

16. Push the water inlet tube through the small hole where the Installation label is located. Start the install with the tube at 45° (**A**). Fully insert the tube, and then twist it clockwise to 90° (**B**) to lock it in place. Pull lightly to make sure the tube is secure. See Figure 15.



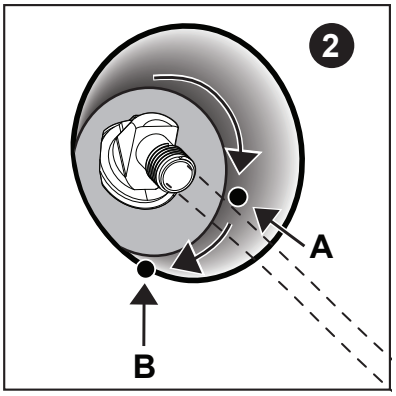


Figure 15

IMPORTANT

Make sure the water inlet tube is sitting inside the fill cup. See Figure 16.

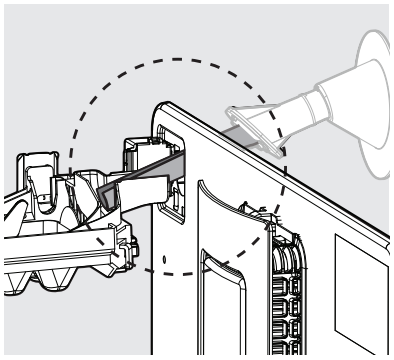


Figure 16

Back of Cabinet Water Valve Installation Instructions

17. Plug the connector on the supplied water valve into the harness found in the bottom right of the compressor compartment. See Figure 17.

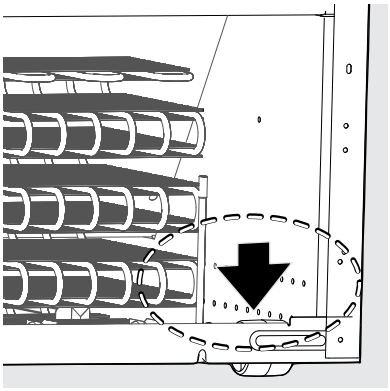


Figure 17

Install the supplied clip into the compartment and route the water valve harness through clip. See Figure 18.

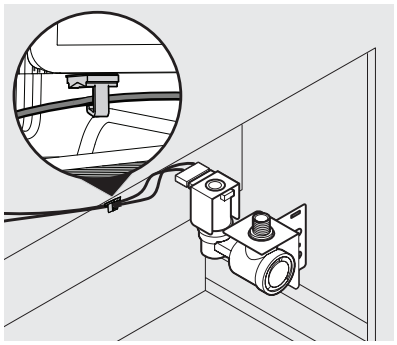


Figure 18

NOTE

Connect the plastic water supply tubing and the wiring harness to the water valve prior to mounting the valve to the rear panel because of space constraints.

18. Place the green water tube to the ice maker into the bottom outlet of the water valve. Push the tube into the valve up to the black line marked on the tube. Lightly pull on the tube to make sure you installed it correctly. See Figure 19.

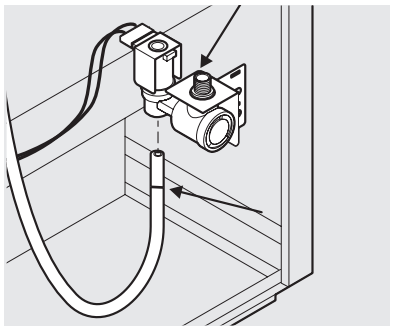


Figure 19

19. The water valve location has pre-made holes on the right rear of the unit. The water line should be oriented downward when the valve is installed. Install the water valve using a ¼" hex head driver or drill, install the 2 hex head screws (**B**). Tighten screws until they are snug and then tighten an additional ¼" turn. See Figure 20.

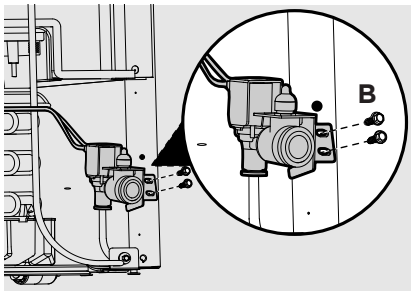


Figure 20

Back of Cabinet Water Valve Installation Instructions

NOTE

Clean the back of the cabinet with a commercial household cleaner, ammonia or alcohol before applying plastic clamps to the water tubing.

20. Secure the plastic water tubing to the rear of the cabinet with two plastic clamps. See Figure 21.

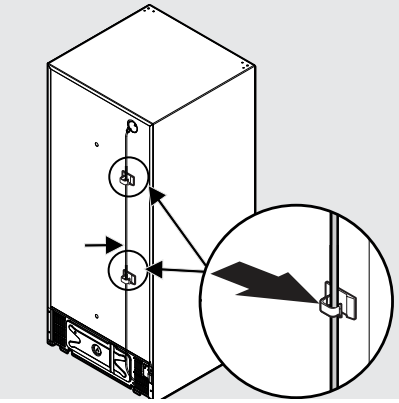


Figure 21

21. Remount the access cover by hooking it on the back bottom of the cabinet. Route the water tube from the bottom to the outside, securing the access cover with the 4 screws. See Figure 22.

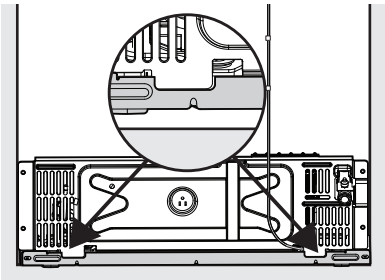


Figure 22

Connecting Ice Maker to Water Supply

WARNING

To avoid electric shock, which can cause death or severe personal injury, disconnect the refrigerator from electrical power before connecting a water supply line to the refrigerator.

CAUTION

To Avoid Property Damage:

- Use stainless steel braided tubing for the water supply line. Do not use water supply tubing made of ¼" plastic. Plastic tubing greatly increases the potential for water leaks, and the manufacturer will not be responsible for any damage if you use plastic tubing for the supply line.
- DO NOT install water supply tubing in areas where temperatures fall below freezing.
- Chemicals from a malfunctioning softener can damage the ice maker. If the ice maker is connected to soft water, ensure the softener is maintained and working properly.

IMPORTANT

Ensure your water supply line connections comply with all local plumbing codes.

Before Installing the Water Supply Line, You Will Need:

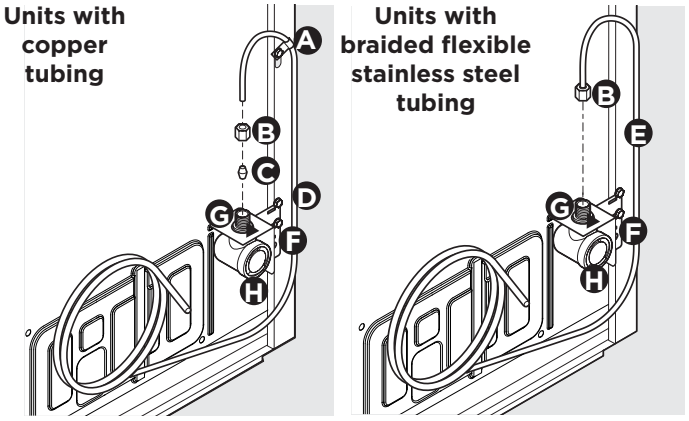
- Basic Tools: adjustable wrench, flat-blade screwdriver, and Phillips screwdriver
- Access to a household cold water line with water pressure between 30 and 100 psi.
- A water supply line made of stainless steel tubing. To determine the length of tubing needed, measure the distance from the ice maker inlet valve at the back of the refrigerator to your cold water pipe, so the refrigerator can be moved out for cleaning.
- A shutoff valve to connect the water supply line to your household water system. DO NOT use a self-piercing type shutoff valve.
- Do not reuse compression fitting or use thread seal tape.

NOTE

Check with your local building authority for recommendations on water lines and associated materials prior to installing your new refrigerator. Depending on your local/state building codes, we recommend for homes with existing valves **Smart Choice**® water line kit 5304437642 (with a 6' Stainless Steel Water Line) and for homes without an existing valve, we recommend **Smart Choice**® water line kit 5304493869 (with a 6' Polyline Waterline). Please refer to Frigidaire.com for more information.

To Connect the Water Supply Line To the Ice Maker Inlet Valve

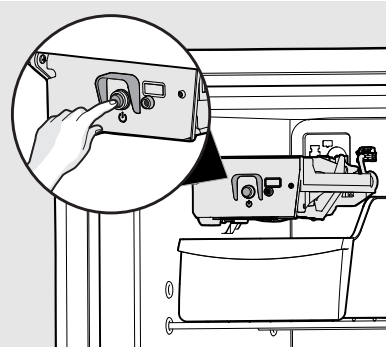
1. Disconnect the refrigerator from the electrical power source.
2. Place the end of the water supply line into a sink or bucket. Turn ON the water supply and flush the supply line until the water is clear. Turn OFF the water supply at the shutoff valve.
3. Remove the plastic cap from the water valve inlet and discard the cap.
4. **If you use copper tubing**, slide the brass compression nut, and then the ferrule (sleeve) onto the water supply line. Push the water supply line into the water valve inlet as far as it will go (¼" / 6.4 mm). Slide the ferrule (sleeve) into the valve inlet and finger tighten the compression nut onto the valve. Tighten another ½ turn with a wrench; DO NOT overtighten.
   If you use braided flexible stainless steel tubing, the nut is already assembled on the tubing. Slide the nut onto the valve inlet and finger tighten the nut onto valve. Tighten another ½ turn with a wrench; DO NOT overtighten.



Parts	
A	Clamp
B	Brass compression nut
C	Ferrule sleeve
D	Copper line
E	Braided flexible stainless steel water line
F	Water valve bracket
G	Water valve inlet
H	Water valve
Include enough tubing in loop to allow moving the refrigerator out for cleaning.	

Connecting Ice Maker to Water Supply

5. With the steel clamp and screw, secure the water supply line (copper tubing only) to the rear panel of refrigerator as shown.
6. Coil the excess water supply line (copper tubing only), about 2½ turns, behind the refrigerator as shown and arrange the coils so they do not vibrate or wear against any other surface.
7. To turn the ice maker on, press the ice maker's On/Off power switch so the LED is illuminated.



8. Turn ON the water supply at the shutoff valve and tighten any connections that leak.
9. Reconnect the refrigerator to the electrical power source.

Ice Service

If your refrigerator has an automatic ice maker, minimal ice will be produced during the first 24 hours of operation. Air in new plumbing lines may cause the ice maker to cycle 2 or 3 times before making a full tray of ice. With no usage, it will take approximately 1 to 2 days to fill the ice bin.

New plumbing connections may cause the first production of ice cubes to be discolored or have an odd flavor. Discard ice made during the first 24 hours.

Turning Your Ice Maker On

After the plumbing connections have been completed, the water supply valve must be opened. Place the ice bin under the ice maker, pushing it as far back as possible. Press the ice maker's On/Off ⏻ button. The button will illuminate in green when the ice maker is On.

Turning Your Ice Maker Off

To stop the ice maker, press the ice maker's On/Off ⏻ button. The ice maker also stops producing ice automatically when the bin is full, and then it resumes when the level in the bin drops.

IMPORTANT

To ensure proper function for your ice maker, hook up water supply immediately or turn ice maker OFF. If the ice maker is on and the water supply is not connected, the water valve can make a loud chattering noise.

Ice Production: What To Expect

The ice maker will produce 1.5 to 2 lbs of ice every 24 hours depending on usage conditions.
Ice is produced at a rate of 10 cubes every 100 to 160 minutes.

Ice Maker Tips

Remember that water quality determines your ice quality. If the water source uses a water softener, ensure that the softener is maintained and working properly. Chemicals from a malfunctioning softener can damage the ice maker.

CAUTION

Do Not place the ice container in your dishwasher.

- Wash ice container in warm water with mild detergent. Rinse well and dry.
- Stop the ice maker when cleaning the freezer or for short vacations.
- If the ice maker will be turned off for a long period of time, turn the water supply valve to the closed position.