Installation Instruction
Automatic Ice Maker

A29958802

1. BEFORE INSTALLATION

IMPORTANT

An authorized service technician is recommended to install the ice maker kit.

⚠ WARNING!

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

Tools

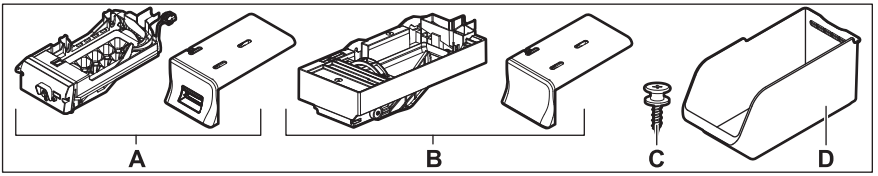
These tools are necessary at different stages of the installation process:

- Flat Head Screwdriver
- 1/4" Hex Driver
- Phillips™ or Quadrex Screwdriver
- Needle nose pliers
- Gloves

NSF/ANSI/CAN 61: Q ≤ 1

2. ICE MAKER IMKTTM0019 KIT COMPONENTS

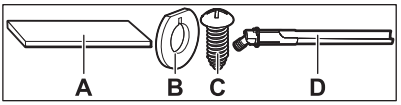
Internal Installation Parts



A. Ice Maker, Cover - Type A, quantity: 1
B. Ice Maker, Cover - Type B, quantity: 1
C. Shoulder Screw, quantity: 5
D. Ice Bin, quantity: 1

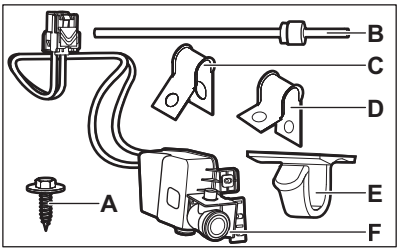
External Installation Parts for the Rear of the Appliance

Fill Tube Kit



A. Foam Rectangle, quantity: 1
B. Foam Pad, quantity: 1
C. Screw, quantity: 2
D. Fill Tube, quantity: 1

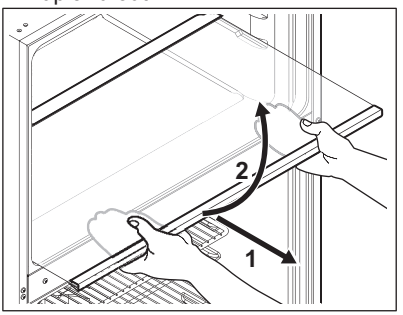
Other Parts



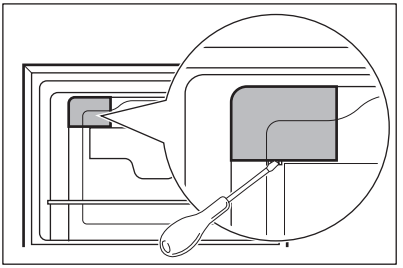
A. #8 Screw, quantity: 2
B. Tube, quantity: 1
C. Clamp 1/4", quantity: 1
D. Clamp 1/2", quantity: 1
E. Hose and Harness Clip 30", quantity: 3
F. Water Valve, quantity: 1

3. INSTALLATION

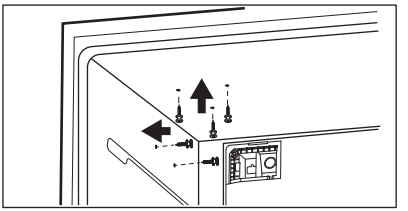
1. Disconnect the appliance from an electrical power source.
2. Remove the freezer shelf by lifting it up and out.



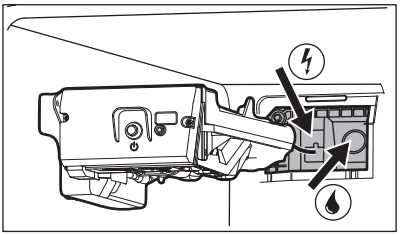
3. Remove the water inlet and electrical cover, located inside the appliance. Insert a flathead screwdriver on top of opening of the cover and push down to disengage the snap.



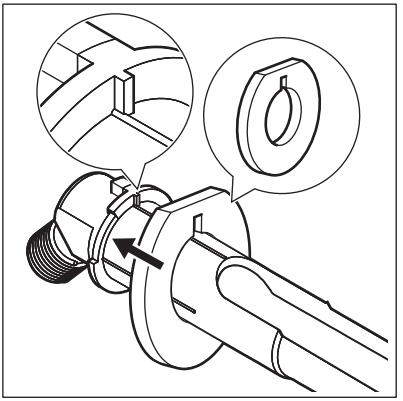
4. Locate dimples in the freezer liner for screw placement. Align the shoulder screws with the dimples. Push the screws to penetrate the freezer liner and drive the screws in until they are tight against the liner. Use 2 screws on the left side wall, and 3 on the top of the liner.



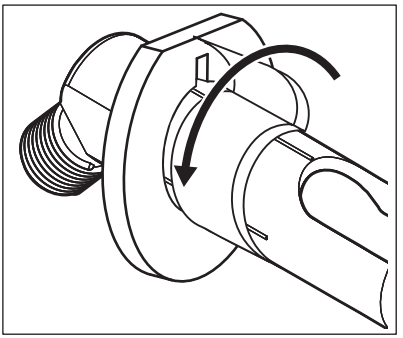
5. Plug the ice maker in the electrical connector on the back wall.



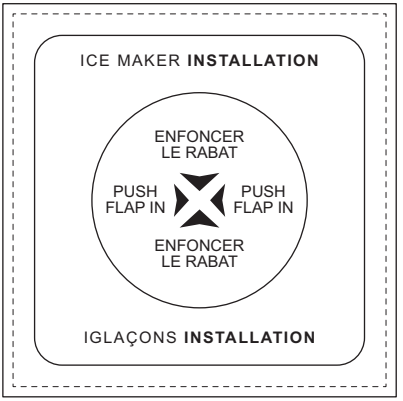
6. Slide the ice maker onto the 2 side wall shoulder screws. The ice maker snaps into place.
7. Remove the backing paper from the foam pad. Stick the ring shaped foam pad to the fill tube.



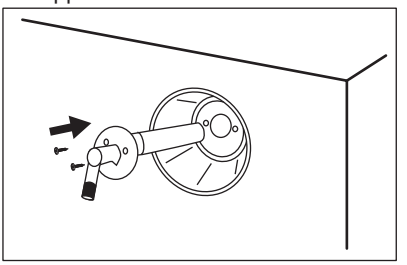
8. Remove the backing paper from the rectangular foam pad. Wrap the rectangular foam pad around the fill tube.



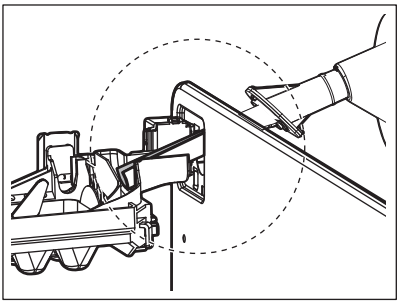
9. Locate the Ice maker installation label on the rear outside right top corner of the appliance. Push the label in and remove the center of it. Remove foam plug from the tube hidden behind the label.



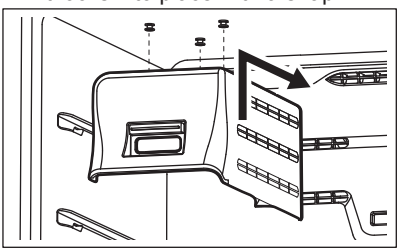
10. Align the fill tube key to the slot. Insert the fill tube with foam pads. Using a Phillips™ screwdriver, drive the 2 screws to fix the fill tube against the appliance.



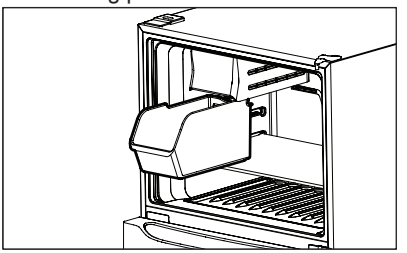
11. Make sure the end of water fill tube sits within the water channel of the ice maker.



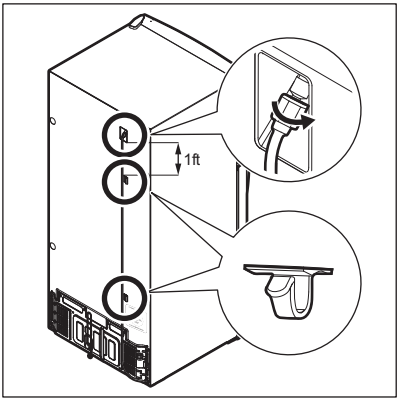
12. Slide the ice maker cover onto the shoulder screws on top of the unit until it locks into place with a snap.



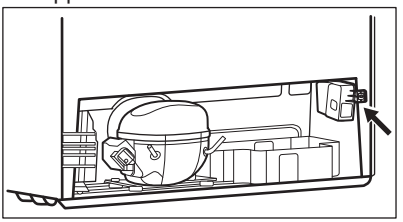
13. To install the ice bin, the freezer shelf needs to be in the lowest position. Slide the ice bin between the side wall and the right side of the ice maker housing positioned on the shelf.



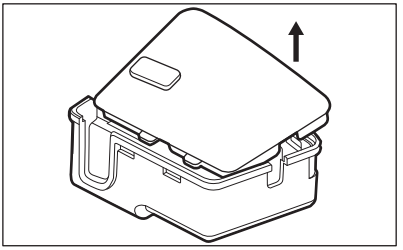
14. Install the water line by screwing the nut on the end of the tube onto the water inlet. Tighten the nut until snug, and then tighten an additional 1/4 turn with needle nose pliers. Stick the clips to the back of the appliance, about 1 ft below the water inlet and directly above the cyclopentane label.



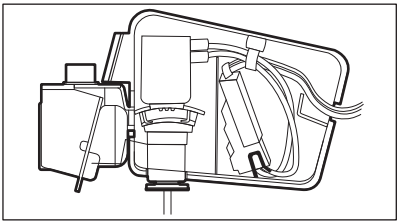
15. Remove screw from the harness cover located at the bottom rear of the appliance.



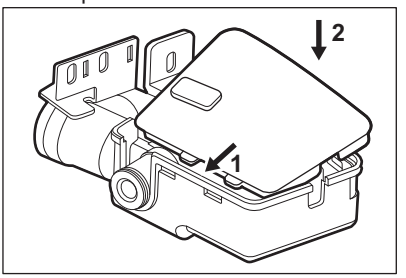
16. Remove the snap for back cover by inserting flat head screw driver and pulling the cover out. Take out the harness connector from cover.



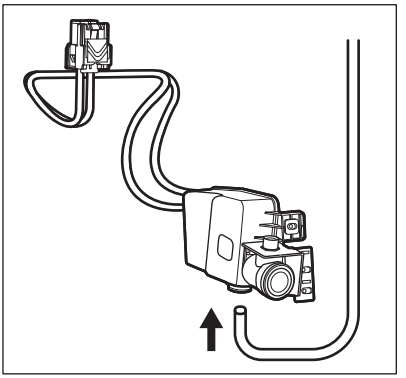
17. Connect the appliance harness to water valve connector. Place the water valve in the cover. Loop the wires. Ensure the wires are fully enclosed within the harness cover along with the connectors.



18. Snap the cover back.

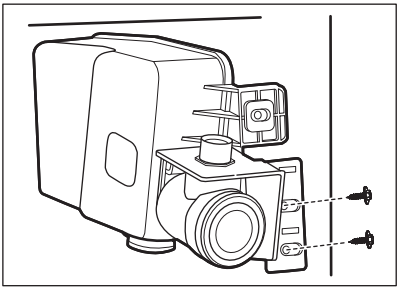


19. Insert the green water tube from the ice maker into the bottom outlet of the water valve. Push the tube into the valve until it reaches the black line marked on it.



20. Place the cover back in its original position and secure it with a screw.

21. The water valve location has pre-made holes on the right rear of the appliance. When installing the valve, ensure the water line is oriented downward. Use a 1/4" hex head driver to install the two hex head screws. Tighten the screws until snug, then give them an additional 1/4 turn.



22. Connect the household water line to the water valve. Refer to Water Supply Connection.

4. WATER SUPPLY CONNECTION

4.1 Before Installing The Water Supply Line

⚠ WARNING!

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

IMPORTANT

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

⚠ CAUTION!

To avoid property damage:

- User stainless steel braided tubing for the water supply line. Do not use water supply tubing made of 1/4" 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 that the softener is maintained and working properly.

4.2 Water Supply Line Installation

IMPORTANT

Water lines should be long enough to all ow the refrigerator to roll forward for cleaning or service. Typically, 6 ft length works well for braided Stainless or Poly kits. A 1/4" copper line should be longer to coil extra length behind the refrigerator so movement will not kink the copper line.

NOTE

Check with your local building authority for recommendations on water lines and associated materials prior to installation. Depending on your local/state building codes, Frigidaire recommends:

- for homes with existing valves its Smart Choice® water line kit 5304437642 with a 6ft stainless steel water line.
- for homes without an existing valve, we recommend Smart Choice® water line kit 5304493869 with a 6ft polyline waterline.

Refer to Frigidaire.com for more information.

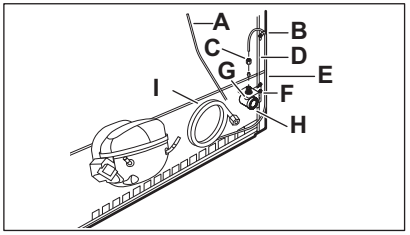
You will need:

- Access to a household cold water line with water pressure between 30 and 100psi.
- 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 appliance to your cold

water pipe. Then add approximately 6ft (1.8m) to ensure you can move the appliance 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.

To connect water supply line to ice maker inlet valve:

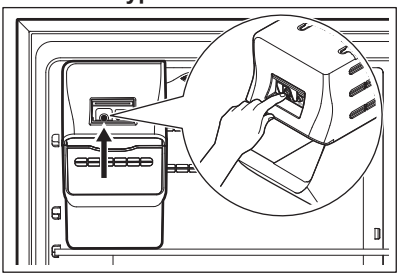
1. Disconnect the appliance from electric power source.
2. Place the end of water supply line into a sink or bucket. Turn on water supply and flush supply line until water is clear. Turn off water supply at shutoff valve.
3. Remove plastic cap from the water valve inlet and discard cap.
4. Depending on the tubing you use:
   - Copper tubing - Slide brass compression nut, then ferrule (sleeve) onto water supply line. Push water supply line into water valve inlet as far as it will go (1/4" / 6.4mm). Slide ferrule (sleeve) into valve inlet and finger tighten compression nut onto valve. Tighten another half turn with a wrench; do not over tighten.
   - Braided flexible stainless steel tubing - The nut is already assembled on the tubing. Slide nut onto valve inlet and finger tighten nut onto valve. Tighten another half turn with a wrench; do not over tighten.



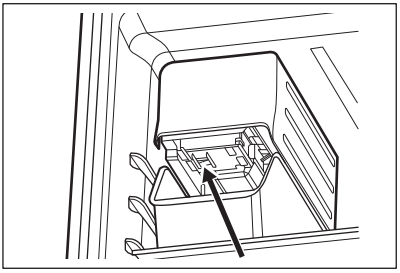
A. Plastic water tubing to ice maker fill tube
B. Steel clamp
C. Brass compression nut
D. Ferrule (sleeve)
E. Copper water line/ Braided flexible stainless steel water line
F. Water valve bracket
G. Valve inlet
H. Water valve
I. Copper water line or 6 ft (1.8 m) braided flexible stainless steel water line from household water supply*
*Include enough tubing in the loop to allow moving the refrigerator out for cleaning.

5. With steel clamp and screw, secure water supply line to the rear panel of the appliance.
6. Coil excess water supply line (copper tubing only), about 2.5 turns, behind the appliance and arrange coils so they do not vibrate or wear against any other surface. Do not kink the tubing.
7. Turn on water supply at shutoff valve and tighten any connections that leak.
8. Reconnect the appliance to the electrical power source.
9. Turn the ice maker on.

Ice Maker Type A



Ice Maker Type B



5. ICE MAKER

5.1 Automatic ice maker

NOTE

Automatic ice makers are optional accessories that you may install in most models at any time. Visit Frigidaire.com for information about ice maker kit IMKTTM0019.

The ice maker produces minimal ice 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 takes approximately 1 to 2 days to fill the ice container.

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

NOTE

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

5.2 Turning Ice Maker On/Off

Turning On

After connecting the plumbing, open the water supply valve. Place the ice container under the ice maker, pushing it as far back as possible.

Ice Maker Type A: Press the ice maker On/Off ⏻ button.

Ice Maker Type B: Switch on at the bottom of the Ice Maker.

Turning Off

Ice Maker Type A: Press the ice maker On/Off ⏻ button.

Ice Maker Type B: Switch off at the bottom of the Ice Maker.

The ice maker regulates the ice production. It stops making ice when full and resumes when ice is low in the ice bin.

5.3 Ice production

The ice maker produces 2 to 2.5lbs of ice every 24 hours depending on usage conditions. Ice is produced at a rate of 10 cubes every 100 to 160 minutes.

NOTE

Set the freezer to a colder setting to increase the output of the ice maker. Allow 24 hours for the temperature to stabilize.

NOTE

Do not place the ice container in a dishwasher.

5.4 Ice Maker Tips

The following sounds are normal when the ice maker is operating:

- Motor running
- Ice dropping into ice bin
- Water valve opening or closing
- Running water
- Ice loosening from tray

Ice cubes stored too long may develop an odd flavor. Empty the ice bin.

If you turn the ice maker for a long period of time, turn the water supply valve to the closed position.

Evenly distribute the ice in the container to avoid clumps.

Keep the ice maker off until the ice maker is connected to the water supply or whenever the water supply is turned off.

NOTE

Water quality determines the ice quality.

⚠ CAUTION!

If the water supply to your refrigerator is softened, properly maintain the softener. Chemicals from a water softener can damage the ice maker.

⚠ CAUTION!

- Do not place the ice bin in the dishwasher.
- Wash the ice bin with warm water and mild detergent. Rinse well and dry.
- Turn off the ice maker when cleaning the freezer and during vacations.