

AUTOMATIC ICE MAKER INSTALLATION INSTRUCTIONS

WARNING

Only an authorized service technician should 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.

CAUTION

To Avoid Property Damage:

- Use copper tubing for the water supply line. Use of water supply tubing made of ¼" plastic greatly increases the potential for water leaks. The manufacturer will not be responsible for any damage if plastic tubing is used for the supply line.
- DO NOT install water supply tubing in areas where temperatures fall below freezing.
- Chemicals from a malfunctioning water softener can damage the ice maker. If you connect the ice maker to softened water, ensure that the softener is maintained and working properly.

The following items are required to install the ice maker kit:

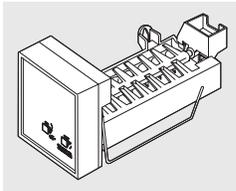
- ¼" copper supply line with shutoff valve
- ¼" brass compression nut and ferrule
- Freezer shelf (Some models are not equipped with the shelf). If your model does not have one, contact your dealer to order one.

The copper tubing and shutoff valve are available in a kit from your local hardware or plumbing supply store. Coil enough tubing at the back of the unit to allow movement for cleaning.

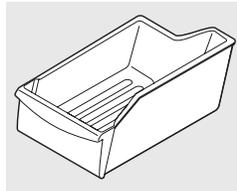
Tools Needed:

- | | |
|----------------------------------|----------------------------------|
| • Plastic Putty Knife | • Phillips™ Screwdriver |
| • ¼" Socket Wrench or Nut Driver | • Needle Nose Pliers |
| • Adjustable Wrench | • Power Drill with Phillips™ Bit |
| • Small Kitchen Knife | |

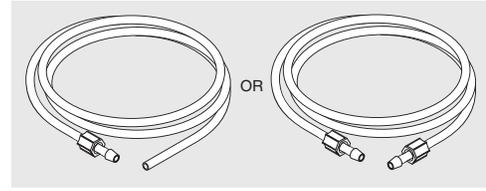
Ice Maker (IM116000) Kit Components



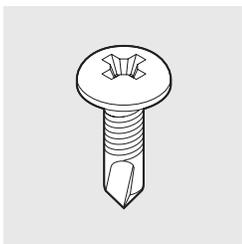
Ice Maker
Qty: 1



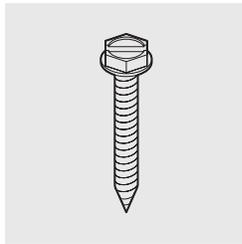
Ice Container
Qty: 1



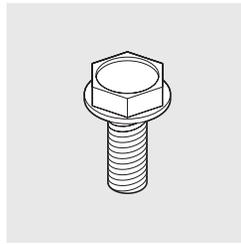
Plastic Water Supply Tubing
Qty: 1



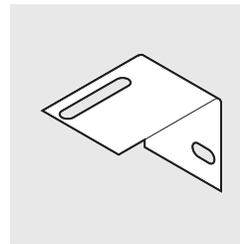
Self-tapping Screw
Qty: 2



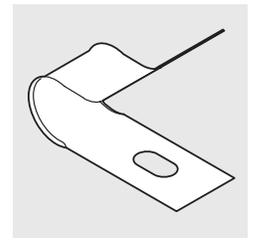
Long Mounting Screw
Qty: 2



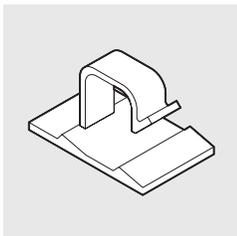
Leveling Bracket Screw
Qty: 1



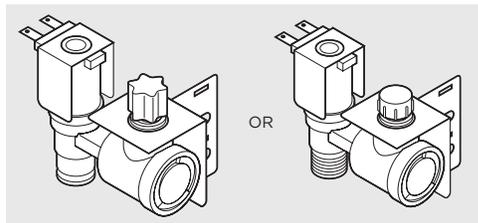
Leveling Bracket
Qty: 1



Steel Clamp
Qty: 1



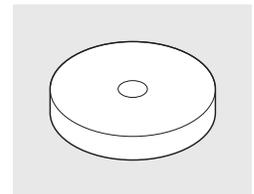
Plastic Clamp
Qty: 2



Water Valve
Qty: 1



Water Inlet Tube
Qty: 1



Tube Seal
Qty: 1

Ice Maker Installation Instructions

1. Unplug refrigerator from electrical outlet.
2. Remove ice tray rack from freezer (some models).
3. Remove spacer. Remove freezer shelf (some models) by pushing shelf to left until right side of shelf comes free from holes. Then slowly lift up and pull shelf free from holes on right side.

NOTE

On some models, you must remove 2 plugs on the left freezer wall. These holes will be used to mount the Ice Maker. (The water inlet tube will be inserted in a plug on the back wall.)

4. Use a plastic putty knife to remove plugs from inside the freezer compartment. See Figure 1.
5. Remove the harness connector cover, where the ice maker will plug in, by removing the 1/4" hex head screw. See Figure 1.

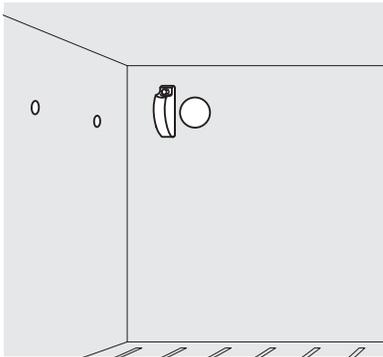


Figure 1

6. Remove the screws securing the access cover to the cabinet (interior condensers only - see Figure 2).

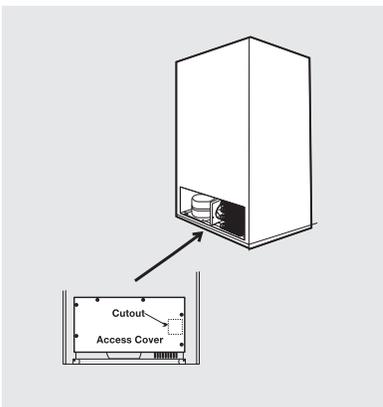


Figure 2

7. Use a small kitchen knife to cut the dashed lines on the Ice Maker Installation label located on the outside rear panel of the refrigerator in the top, right corner. See Figure 3. Push the flaps inward until they stick to the unit.

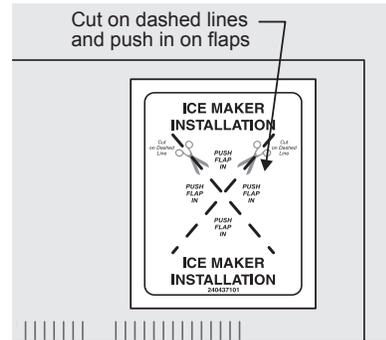


Figure 3

8. If necessary, remove any foam from within the access hole with needle nose pliers.

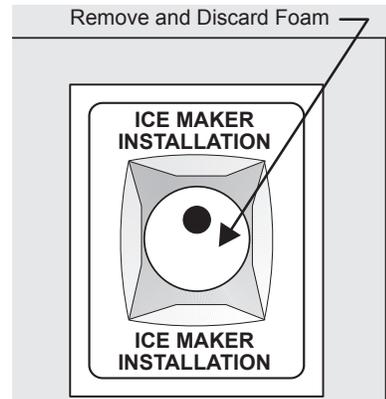


Figure 4

9. Push the tube seal over the threads (Figure 5). Push the plastic water supply tubing into the water inlet tube as far as it will go and finger tighten the nylon compression nut onto the threaded end of the inlet tube. Tighten another 1/2 turn with a wrench. DO NOT overtighten.

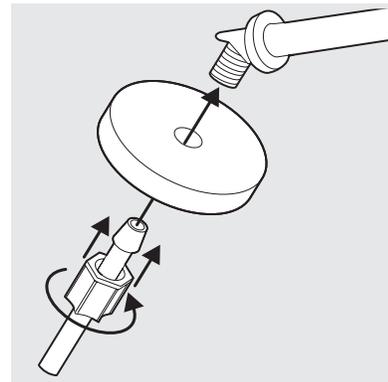


Figure 5

Ice Maker Installation Instructions

10. Push the water inlet tube through the small hole where the Installation label was (Figure 6). Rotate while inserting the tube until the flat surface of the inlet tube is tight against back of the refrigerator.

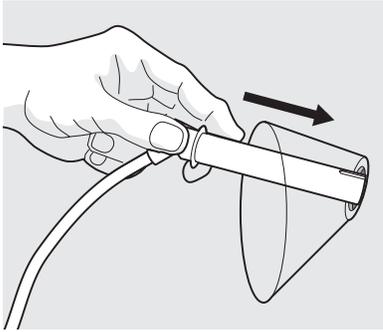


Figure 6

13. Connect the wiring harness into the connector mounted on the back freezer panel, just to the left of where the water inlet tube comes through. The harness connector is keyed so it will only fit one way. Next, slide the Ice Maker connector cover over the connector (see Figure 9--snap on top, hook on bottom). The Ice maker connector cover can then be snapped into place into the back panel or slid up tight to the back panel depending on which version of back panel you have (see note below). Then, mount the Ice Maker to the 2 mounting screws you inserted earlier from Step 12. (See figure 10.) Tighten the screws. Make sure the water inlet tube is sitting inside the fill cup.

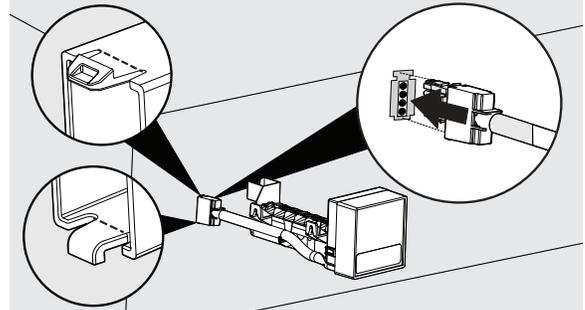


Figure 9

11. Install the adjustable leveling bracket on the bottom of the Ice Maker with a screw (Figure 7). Remove the leveling bracket screw from the ice maker body and insert the bracket between the ice maker body and the plastic heater cover. Re-install the leveling bracket screw but **DO NOT** tighten bracket at this point. It will be tightened later in this procedure.

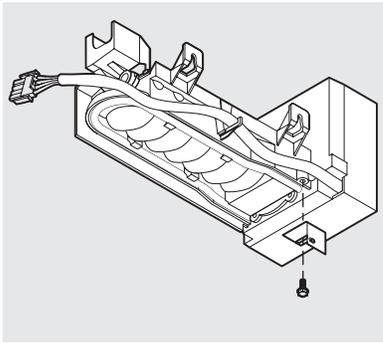


Figure 7

12. Insert 2 long Ice Maker mounting screws into the freezer wall where the plugs were removed in Step 4. Turn each screw clockwise 5 turns (Figure 8).

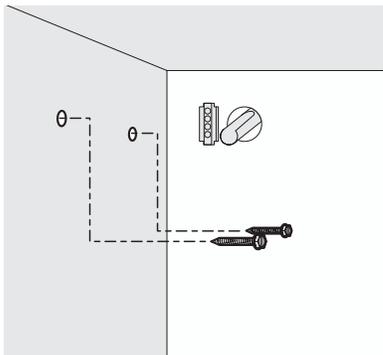


Figure 8

NOTE
If your back cover looks like (A) proceed to installing the ice maker. If your back cover looks like (B), break off the snap and hook on connector cover using pliers, and then proceed to install the ice maker.

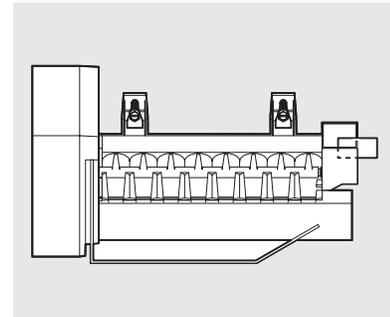
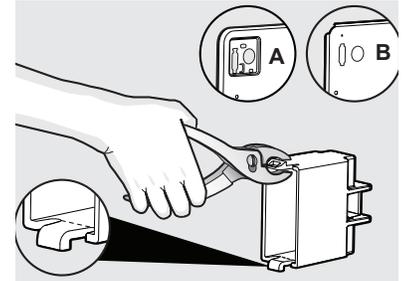


Figure 10

NOTE

Use both hands to hook up and secure the Ice Maker to the freezer wall. **DO NOT** let the Ice Maker dangle free after you plug the wiring harness into the connector on the back freezer wall.

Ice Maker Installation Instructions

- Adjust the leveling bracket on the Ice Maker. If the gap between the freezer wall and the Ice Maker is the same at top and bottom, then Ice Maker is level. Tighten the leveling bracket screw when it's level.
- Reinstall the freezer shelf in the lower position. Set the ice container on the shelf.

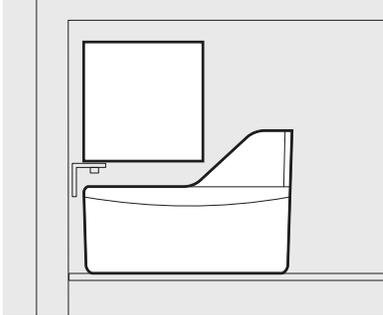


Figure 11

- Connect the wiring harness to the water valve. Make sure the connection is tight.

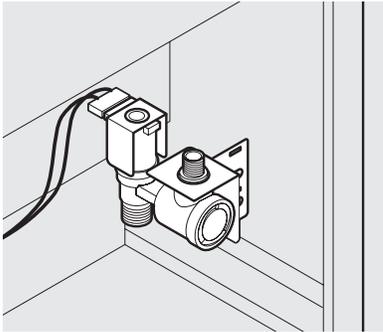


Figure 12

NOTE

If your refrigerator has an interior condenser, 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. Once the valve is mounted, it's very hard to get your hands in there to make the necessary connections. Additionally, you may have to bend the metal tubing slightly out of the way for the water valve to fit in the space. **Do Not** kink the tubing.

- You can use 2 types of water valves with this kit. Follow the instructions which apply to the type of valve supplied with your kit. See Figures 13A and 13B.

For valves with a threaded outlet (Figure 13A), push the bullet-shaped end of the green tube into the valve and tighten the plastic nut (finger tight). Then tighten it an additional 1/2 turn with a wrench. **DO NOT** overtighten.

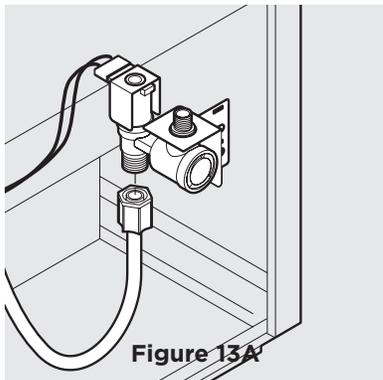


Figure 13A

For valves with a push-in connection with no threads (Figure 13B), check the green hose to see if it has a small black mark near the end without the formed tip and plastic nut. If there is not a mark, use measuring tape and a marker to place a mark 11/16" from the end. The valve seals against the outside surface of the tube with an o-ring, so be sure the end of the tube is clean and not scratched. Grasp the tube just above the mark and push it firmly into the valve until it bottoms out. When pushed in to the proper depth, the mark will line up with the end of the valve fitting. If the mark is not even with the end of the fitting, the tube is not pushed in all the way. To remove the tube, push it inward on the collar at the end of the fitting while pulling on the tube.

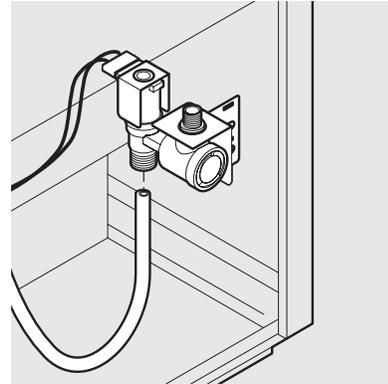


Figure 13B

- Locate the factory punched holes at the bottom right corner of the rear panel. Align the water valve bracket with factory drilled holes. You may have to bend the metal tubing slightly out of the way. Use a power drill with a Phillips® head bit to drive 2 self-tapping screws through bracket and into cabinet.

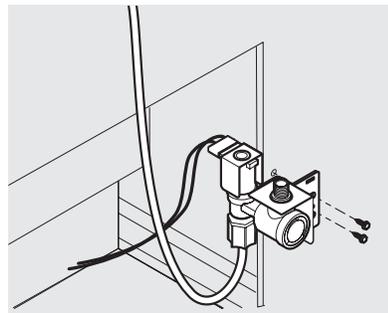
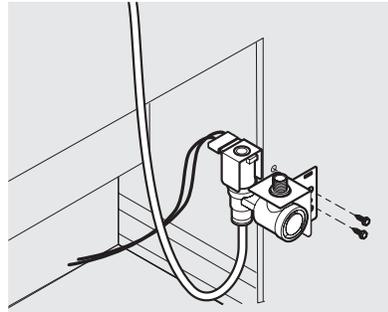


Figure 14

NOTE

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

Ice Maker Installation Instructions

19. Secure the plastic water tubing to the rear of the cabinet with 2 plastic clamps.

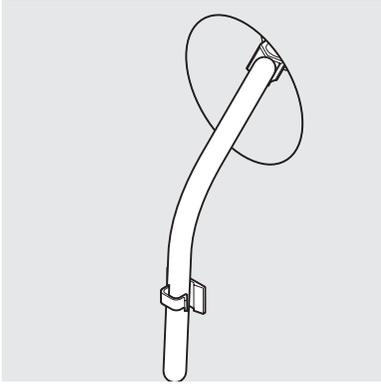


Figure 15

20. Punch out the cutout on the access cover to allow for the water valve (interior condenser models only). If your refrigerator has a metal access cover, then you may need to use pliers to remove the cutout.

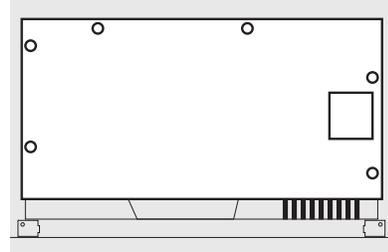


Figure 16

21. Remount the access cover (interior condenser models only) and the condenser if it was pulled out of the way because of space constraints.

Connecting Ice Maker to Water Supply

WARNING

Only an authorized service technician should 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.

IMPORTANT

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

CAUTION

To Avoid Property Damage:

- We recommend copper or stainless steel braided tubing for the water supply line. You should 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 plastic tubing is used for the supply line.
- **DO NOT** install the 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, be sure to maintain the softener so it is working properly.

Before Installing The Water Supply Line, You Will Need:

Basic tools: adjustable wrench, 1/4" nut driver, and Phillips™ screwdriver.

- Access to a household cold water line with water pressure between 30 and 100 psi (2 and 6.9 bar).
- A water supply line made of 1/4" (6.4 mm) copper or braided stainless steel or polyline 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. Then add approximately 7 feet (2.1 meters), 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 reuse compression fitting or use thread seal tape.
- A compression nut and ferrule (sleeve) if using copper water supply line to the ice maker inlet valve.

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, Frigidaire recommends for homes with existing valves its **Smart Choice**® water line kit 5304490728 (with a 6 ft. Stainless Steel Water Line) or 5304493869 (with a 6 ft. Polyline Water Line), and for homes without an existing valve, Frigidaire recommends its **Smart Choice**® water line kit 5304490717 (with a 20 ft. Copper Water Line with self-tapping saddle valve). Please refer to www.frigidaire.com for more information.

Connecting Ice Maker to Water Supply

To Connect Water Supply Line To 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 ($\frac{1}{4}$ " / 6.4 mm). Slide the ferrule (sleeve) into the valve inlet and finger tighten the compression nut onto the valve. Tighten another half turn with a wrench; DO NOT overtighten. See Figure 17.

If you use stainless steel or polyline tubing - The nut and ferrule are already assembled on the tubing. Slide the compression nut onto the valve inlet and finger tighten the compression nut onto the valve. Tighten another half turn with a wrench; DO NOT overtighten. See Figure 18.

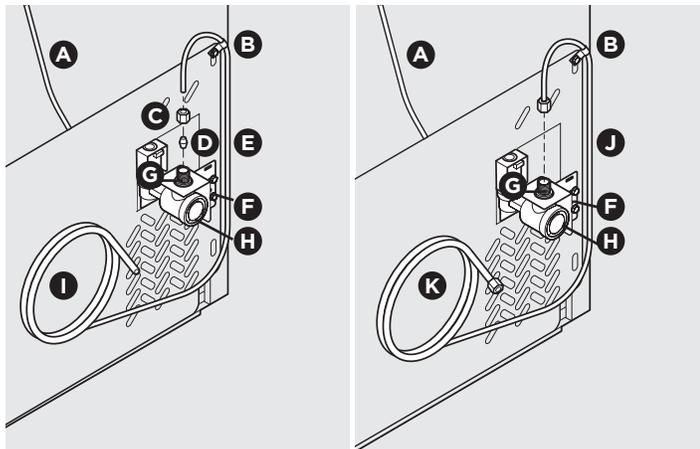


Figure 17

Figure 18

A	Plastic Water Tubing to Ice Maker Fill Tube
B	Steel Clamp
C	Brass Compression Nut
D	Ferrule (Sleeve)
E	Copper Water Line
F	Water Valve Bracket
G	Valve Inlet
H	Water Valve
I	Copper Water Line From Household Supply
J	Stainless Steel Waterline
K	6 ft. Stainless Steel Water Line From Household Supply

5. Connect wiring harness to water valve. Make sure connection is tight. See Figure 19.

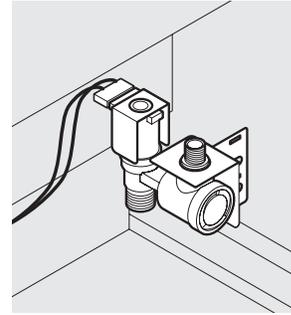


Figure 19

IMPORTANT

It takes approximately 24 hours for the ice maker to begin producing ice. Air in new plumbing lines may cause the ice maker to cycle 2 or 3 times before making a full tray of ice. New plumbing may cause ice to be discolored or have poor flavor. Discard ice made during the first 24 hours.

6. With the steel clamp and the screw, secure the water supply line (copper tubing only) to the rear panel of refrigerator as shown in Figure 17.
7. Coil the excess water supply line (copper tubing only), about $2\frac{1}{2}$ turns, behind refrigerator as shown in Figure 17 and the arrange coils so they do not vibrate or wear against any other surface.
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.
10. To turn the ice maker on, lower the wire signal arm.

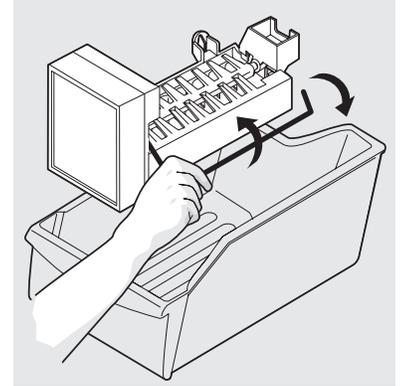
Automatic Ice Maker Tips

Remember that water quality determines your ice quality. If the water source uses a water softener, be sure to maintain the softener so it is working properly. Chemicals from a malfunctioning softener can damage the ice maker.

To stop the ice maker, lift the wire signal arm until it clicks and locks in the “up” or OFF position. The ice maker turns off automatically when the ice container is full. If your model has an adjustable freezer shelf, place the shelf so the wire signal arm will hit the ice when the ice container is full.

Ice Maker Tips

- Ice stored too long may develop an odd flavor. Empty the container and be sure the wire signal arm is in its “down” or ON position. The ice maker will then produce more ice.
- Occasionally shake the container to keep ice separated.
- Keep the wire signal arm in its “up” or OFF position until the refrigerator is connected to the water supply or whenever the water supply is turned off.
- The following sounds are normal when the ice maker is operating:
 - Motor running
 - Ice loosening from tray
 - Ice dropping into ice container
 - Running water
 - Water valve opening or closing



CAUTION

Do Not place the ice container in your dishwasher.

- Wash the 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.