

# **SECTION 2**

# **INSTALLATION INFORMATION**

## INSTALLATION CONSIDERATIONS

This section covers some of the more common installation issues seen by service technicians. An improper installation, though not a valid service issue, has the potential to lead to a customer placing a call for service. Installation related customer complaints could include: Unit leveling, unit movement, door misalignment, etc.

**NOTE:** Reference the Installation Guide or Whirlpools Use and Care Guide for complete installation instructions.

### LOCATION

The ice maker may be closed in on the top, rear and two sides. The front **MUST BE** unobstructed for proper air circulation and operation.


Installation should be such that the unit can be moved forward for servicing.


The installed area should be well ventilated, with ambient temperatures above 55°F (13°C) and below 110°F (43°C). **BEST RESULTS ARE OBTAINED BETWEEN 70°F (21°C) AND 90°F (32°C).**

The ice maker **MUST BE** installed in an area protected from the elements, such as wind, rain, water spray or drips.

Provisions for electricity, water supply and drainage should be determined prior to installation.

### ELECTRICAL REQUIREMENTS

 **WARNING**



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

The ice maker requires an electrical branch circuit of 120 VAC, 60 Hz, single phase 15 amp. delayed action fuse or circuit breaker.

It is recommended that the ice maker is the only appliance plugged into the receptacle. Do not use an extension cord. Do not use a receptacle that is controlled by a wall switch

### WATER CONNECTION REQUIREMENTS

- Materials needed for installation:
- 1/4" OD copper tubing
  - 1/4" outlet, saddle-type shut-off valve (part no. 541057)
  - 1/4" x 1/4" tube union (part no. 533812)

These materials can be obtained locally at a plumbing supply house or from Sub-Zero Parts Distribution by ordering "Ice Maker Installation Package" part no. 978567, which includes 25' of copper tubing. Do not use plastic tubing because it becomes brittle with age.

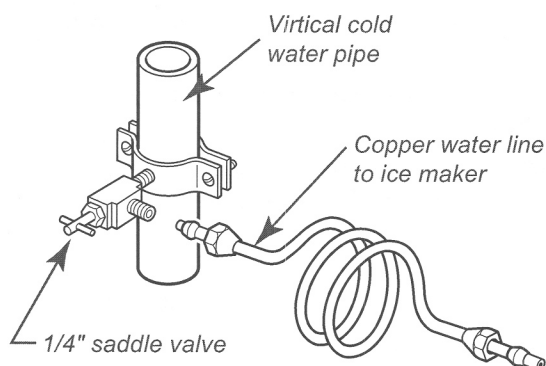
### DRAIN CONNECTION REQUIREMENTS

The ice maker is equipped with a gravity drain or internal drain pump.

The ideal installation has a standpipe (minimum 1 1/4" diameter) installed directly below the outlet of the drain tube.

## IMPORTANT PLUMBING NOTES

- All installations must be in accordance with local plumbing codes requirements.
- Copper tubing must be used and checked for leaks.
- The copper tubing should only be installed in areas where temperatures will remain above freezing.
- A self piercing-type or 3/16" (6mm) saddle valve cannot be used to hook up to the water supply. Using a self piercing-type or 3/16" (6mm) saddle valve will reduce water flow and clog more easily.



- A 1/4" saddle-type shut-off valve, like the one shown above is recommended.

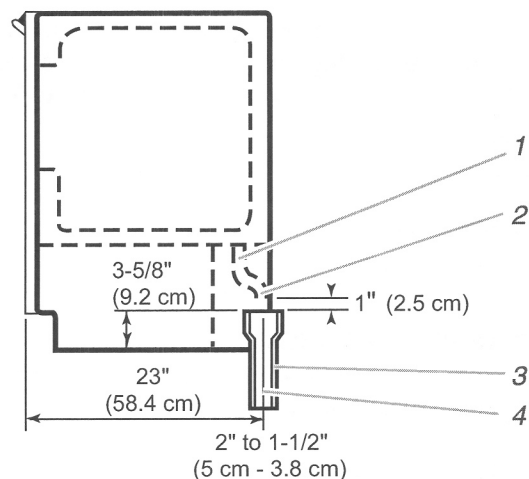
## Connecting the drain

### Gravity drain system

Connect the drain pump hose (provided with product) to drain in accordance with all state and local codes and ordinances. If ice maker is provided with a gravity drain system, follow these guidelines when installing drain lines: (This will prevent water from flowing back into ice maker storage bin and potentially flowing onto floor causing water damage.)

- Drain lines must have a minimum of 5/8" (1.6 cm) inside diameter.
- Drain lines must have a 1" (2.5 cm) drop per 48" (122 cm) of run (1/4" per foot [6mm per 30.5cm]) and must not have low points where water can settle.
- The floor drain must be large enough to accommodate drainage from all drains.
- The ideal installation has a standpipe with a 1-1/2" to 2" PVC drain reducer installed directly below the outlet of drain tube as shown. There must be a 1" gap between drain tube and standpipe.
- It may be desirable to insulate the drainline thoroughly up to the drain inlet.

## SIDE VIEW



1. Drain Hose
2. 1" Air Gap
3. PVC Drain Reducer
4. Center of drain should be 23" (58.4 cm) from front of door (with or without the 3/4" (1.9 cm) panel on the door).

After ensuring that drain system is adequate, follow these steps to properly place ice maker.

1. Plug in ice maker or reconnect power.
2. Recheck ice maker to be sure it is level. (See "Leveling the Ice Maker" on next page.)
3. Push ice maker into position so that ice maker drain tube is positioned over PVC drain reducer.
4. If it is required by local sanitation code, seal the cabinet to the floor with approved caulking compound after all water and electrical connections have been made.

### Drain pump system (on some models)

Connect drain pump hose (provided with product) to drain in accordance with all state and local codes and ordinances.

## LEVELING THE ICE MAKER

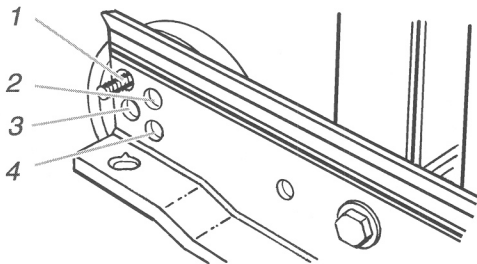
It is important for the ice maker to be level in order to work properly. Depending upon where the unit is installed, you may need to make several adjustments to level it.

### Tools Required

- Carpenter's level
- Adjustable wrench
- 1/4" socket wrench

### Undercounter Installation

The adjustable rear wheels are preset to position #1 for a cabinet opening height of 34" (86.4 cm)



1. For cutout height of 34" (86.4 cm)
2. For cutout height of 34-1/8" (86.7 cm)
3. For cutout height of 34-5/16" (87.2 cm)
4. For cutout height of 34-1/2" (87.6 cm)

### To adjust the rear wheel height:

1. Using a 1/4" socket wrench, remove the five screws from the rear access panel and carefully pull the panel away from the drain hose.
2. Using a 3/8" or adjustable wrench, remove the screw that holds the rear wheel.

**NOTE:** Pushing up against the top back of the ice maker takes some of the weight off of the wheels. This makes it easier to remove the screws.

3. Move the rear wheel and screw to a new position as needed for the cabinet opening height. Tighten the screw completely.
4. Repeat Steps 2 and 3 to change the position of the wheel on the other side.
5. Replace the rear panel and screws. Be sure that the drain tube is positioned in the opening provided.
6. Use the front leveling legs to make sure the product is level.

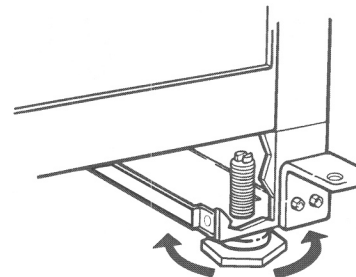
### To adjust the front leveling legs:

The ice maker has two adjustable leveling legs to help you steady the product and make sure it is level.

**SUGGESTION:** It is easier to adjust the leveling legs if you have another person to assist you.

1. Place a carpenter's level on top of the product to see if the ice maker is level from front to back and side to side.
2. Push up on the top front of the ice maker, and then locate the leveling legs that are on the bottom front of the product.
3. Using an adjustable wrench, change the height of the legs as follows:
  - Turn the leveling leg to the right to lower that side of the ice maker.
  - Turn the leveling leg to the left to raise that side of the ice maker.

**NOTE:** The ice maker should not wobble. Use shims to add stability if needed.



4. Use a carpenter's level to re-check the ice maker to see that it is even from front to back and side to side. If it is not level, repeat Steps 2 & 3.

### Freestanding installation

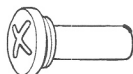
If the ice maker is not installed under a countertop, you will probably not need to adjust the rear wheel height. Follow the steps outlined in the "To adjust the front leveling legs." above.

**NOTE:** The ice maker should not wobble. Use shims to add stability if needed.

## REVERSING THE DOOR SWING

All model 235's leave the factory with a right-hand door swing (hinged right). Follow the directions on this and the next page if the door swing needs to be changed.

**TOOLS NEEDED:** 5/16" wrench, 1/4" wrench, flat putty knife, Phillips Screwdriver



Hinge Pin



5/16" Hex Head Hinge Screw



Handle Screw



Endcap Screw

### To remove door from hinges:

1. Unplug ice maker or disconnect power.
2. Remove the handle screws and handle. Keep the parts together and set them aside.
3. Remove the hinge pin from the top hinge.
4. Remove the door from the hinges and screw the top hinge pin back into the top hinge.
5. Reverse the door endcaps as follows:
  - Remove both screws and endcaps (top and bottom).
  - Place the top endcap on the bottom of the opposite side of the door with the long flat side facing the door front.
  - Place the bottom endcap on the top of the opposite side of the door with the long flat side facing the door front.
6. Set the door aside.

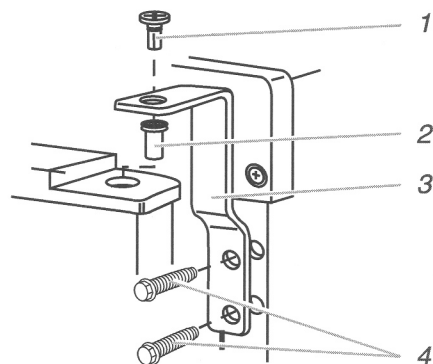
### To reverse the hinges:

1. Unscrew and remove the top hinge. Replace the screws in the empty hinge holes.
2. Remove the screws from the bottom of the opposite side of the ice maker cabinet. Turn the top hinge upside down so that the hinge pin points up. Place the hinge on the bottom opposite side of the cabinet and tighten the screws.
3. Remove the plastic hinge pin sleeve from the "old" bottom hinge pin and replace it on the "new" bottom hinge pin.
4. Remove the "old" bottom hinge screws and hinge. Replace the screws in the empty hinge holes.
5. Remove the screws from the top of the opposite side of the ice maker cabinet. Turn the hinge upside down so that the hinge pin points down. Place the hinge on the top opposite side of the cabinet and tighten the screws.
6. Remove the top hinge pin.

### To replace the door on the hinges:

1. Place the plastic hinge pin sleeve in the top hinge hole on the door. Align the door with the top hinge hole and replace the top hinge pin.
2. Replace the handle and handle screws.

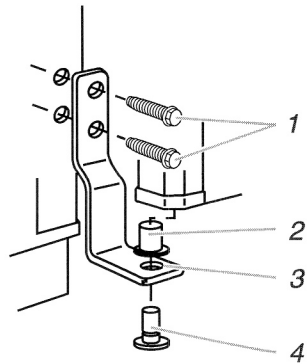
### Top Hinge



1. Hinge Pin
2. Hinge Pin Sleeve
3. Hinge
4. Hex Head Hinge Screw

See page 2-6 for bottom hinge view

## Bottom Hinge



- 1. Hex Head Hinge Screw
- 2. Hinge Pin Sleeve
- 3. Hinge
- 4. Hinge Pin

### To reverse the door catch:

- 1. Remove the hole plugs from the opposite side of the door and set aside.
- 2. Remove the screws from the magnetic door catch and replace it opposite side of the door.
- 3. Push the hole plugs into place on the opposite side of the door.
- 4. Plug in the ice maker or reconnect power.