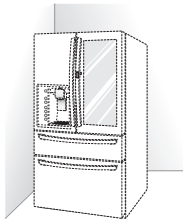


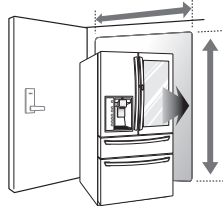
INSTALLATION

Installation Overview

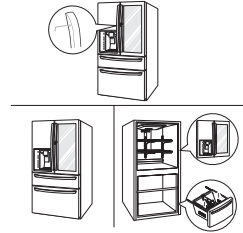
Please read the following installation instructions first after purchasing this product or transporting it to another location.



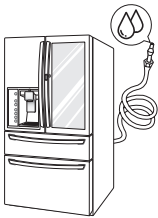
1 Unpacking your refrigerator



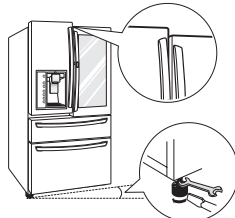
2 Choosing the proper location



3 Disassembling/Assembling



4 Connecting the water supply and water line



5 Leveling and Door Alignment



NOTE

Connect to potable water supply only.

Specifications

The appearance and specifications listed in this manual may vary due to constant product improvements.

Bottom-freezer refrigerator model LMXS30796*	
Description	French door refrigerator
Dimensions	35 3/4" (W) X 39 1/8" (D) X 70 1/4" (H). 51"(D w/ door open) 908 mm (W) X 994 mm (D) X 1785 mm (H). 1295 mm (D w/ door open)
Net weight	404 lb. (183 kg)

Bottom-freezer refrigerator model LMXC23796*	
Description	French door refrigerator
Dimensions	35 3/4" (W) X 32 1/8" (D) X 70 1/4" (H). 44"(D w/ door open) 908 mm (W) X 816 mm (D) X 1785 mm (H). 1117 mm (D w/ door open)
Net weight	371 lb. (168 kg)

Unpacking the Refrigerator



WARNING

- Use two or more people to move and install the refrigerator. Failure to do so can result in back or other injury.
- Your refrigerator is heavy. When moving the refrigerator for cleaning or service, be sure to protect the floor. Always pull the refrigerator straight out when moving it. Do not wiggle or walk the refrigerator when trying to move it, as floor damage could occur.
- Keep flammable materials and vapors, such as gasoline, away from the refrigerator. Failure to do so can result in fire, explosion, or death.

Remove tape and any temporary labels from your refrigerator before using. Do not remove any warning-type labels, the model and serial number label, or the Tech Sheet that is located under the front of the refrigerator.

To remove any remaining tape or glue, rub the area briskly with your thumb. Tape or glue residue can also be easily removed by rubbing a small amount of liquid dish soap over the adhesive with your fingers. Wipe with warm water and dry.

Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your refrigerator.

Refrigerator shelves are installed in the shipping position. Please reinstall shelves according to your individual storage needs.

Choosing the Proper Location

- Select a place where a water supply can be easily connected for the automatic icemaker.



NOTE

The water pressure must be 20~120 psi or 138~827 kPa or 1.4~8.4 kgf/cm² on models without a water filter and 40~120 psi or 276~827 kPa or 2.8~8.4 kgf/cm² on models with a water filter.

- The refrigerator should always be plugged into its own individual properly grounded electrical outlet rated for 115 Volts, 60 Hz, AC only, and fused at 15 or 20 amperes. This provides the best performance and also prevents overloading house wiring circuits which could cause a fire hazard from overheated wires. It is recommended that a separate circuit serving only this appliance be provided.



WARNING

To reduce the risk of electric shock, do not install the refrigerator in a wet or damp area.

Flooring

To avoid noise and vibration, the unit must be leveled and installed on a solidly constructed floor. If required, adjust the leveling legs to compensate for unevenness of the floor. The front should be slightly higher than the rear to aid in door closing. Leveling legs can be turned easily by tipping the cabinet slightly. Turn the leveling legs to the left to raise the unit or to the right to lower it. (See Leveling and Door Allgnment.)



NOTE

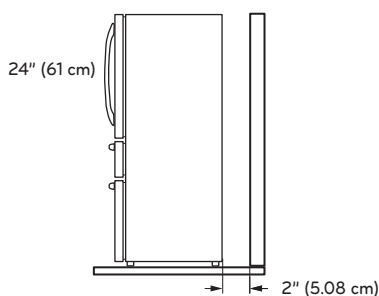
Installing on carpeting, soft tile surfaces, a platform or weakly supported structure is not recommended.

Ambient Temperature

Install this appliance in an area where the temperature is between 55°F (13°C) and 110°F (43°C). If the temperature around the appliance is too low or high, cooling ability may be adversely affected.

Measuring Clearances

Too small of a distance from adjacent items may result in lowered freezing capability and increased electricity consumption charges. Allow at least 24 inches (61 cm) in front of the refrigerator to open the doors, and at least 2 inches (5.08 cm) between the back of the refrigerator and the wall.



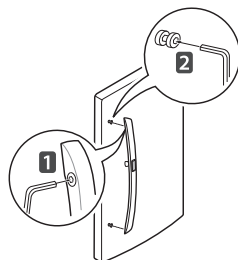
Removing/Assembling the Refrigerator Door Handles

NOTE

When it is necessary to move the refrigerator through a narrow opening, removing the doors is the recommended procedure. If it is necessary to remove the handles, follow the directions below.

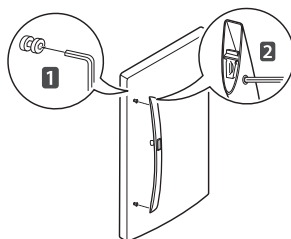
Removing the Handles

- 1 Loosen the set screws **1** with a $\frac{3}{32}$ in. Allen wrench and remove the handle.
- 2 Loosen the mounting fasteners **2** that connect to the refrigerator door and handle using a $\frac{1}{4}$ in. Allen wrench, and remove the mounting fasteners.



Assembling the Handles

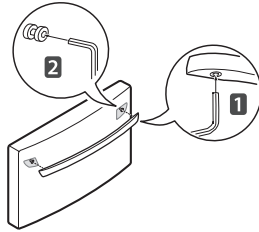
- 1 Assemble the mounting fasteners **1** at both ends of the handle using a $\frac{1}{4}$ in. Allen wrench.
- 2 Place the handle on the door by fitting the handle footprints over the mounting fasteners and tightening the set screws **2** with a $\frac{3}{32}$ in. Allen wrench.



Removing/Assembling the Freezer Drawer Handle

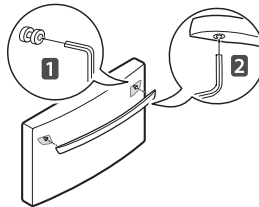
Removing the Handle

- 1 Loosen the set screws **1** located on the lower side of the handle with a $\frac{1}{8}$ in. Allen wrench and remove the handle.
- 2 Loosen the mounting fasteners **2** that connect to the freezer drawer and handle using a $\frac{1}{4}$ in. Allen wrench, and remove the mounting fasteners.



Assembling the Handle

- 1 Assemble the mounting fasteners **1** at both ends of the handle using a $\frac{1}{4}$ in. Allen wrench.
- 2 Place the handle on the door by fitting the handle footprints over the mounting fasteners and tightening the set screws **2** with a $\frac{1}{8}$ in. Allen wrench.



! WARNING

When assembling or disassembling the handle:

- Grasp the handle tightly to avoid dropping it.
- Do not swing the handle into nearby people or animals.
- Make sure that the bracket hole of the handle fits properly into the stopper bolt of the door. Assemble the set screws to fix the handle into place.
- Make sure that there is not a gap between the door and handle after assembling the handle.

Removing/Assembling the Doors and Drawers

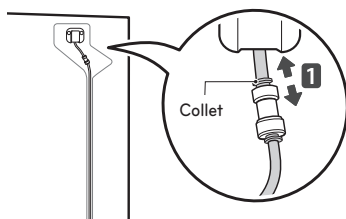
When it is necessary to move the refrigerator through a narrow opening, removing the doors is the recommended procedure.

! WARNING

- If your entrance door is too narrow for the refrigerator to pass through, remove the refrigerator doors and move the refrigerator sideways through the doorway.
- Use two or more people to remove and install the refrigerator doors. Failure to do so can result in back or other injury.
- Disconnect the electrical supply to the refrigerator before installing. Failure to do so could result in serious injury or death.
- Do not put hands, feet or other objects into the air vents or bottom of the refrigerator. You may be injured or receive an electrical shock.
- Be careful when handling the hinge and stopper, to avoid injury.
- Remove food and bins before detaching the doors and drawers.

Removing the Left Refrigerator Door

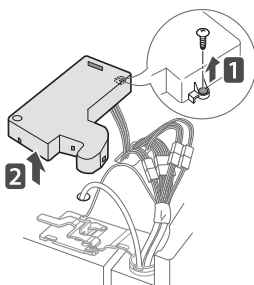
- 1 The water supply is connected to the upper right part of the rear surface of the refrigerator. Remove the ring in the joint area. Hold the water supply connection and gently push the collet to detach the water supply line as shown in **1**.



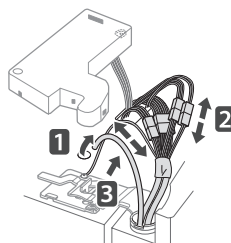
NOTE

Detachment of the water supply line is applicable only when detaching the left refrigerator door.

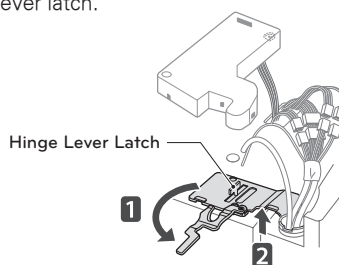
- 2 Remove the screw **1** from the hinge cover at the top of the refrigerator. Lift the hook (not visible), located at the bottom of the front side of the cover **2** with a flat-head screwdriver.



- 3 Remove the cover and pull out the tube **1**. Disconnect all wire harnesses **2**. Unscrew the ground wire **3**.



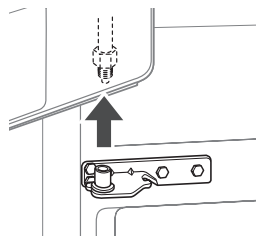
- 4 Rotate the hinge lever counterclockwise **1**. Lift the top hinge **2** free of the hinge lever latch.



CAUTION

When lifting the hinge free of the latch, be careful that the door does not fall forward.

- 5 Lift the door from the middle hinge pin and remove the door.

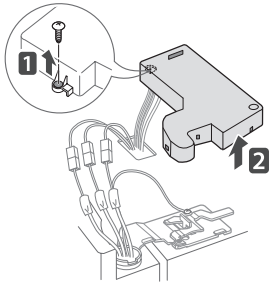


CAUTION

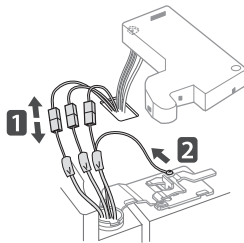
Place the door, inside facing up, on a non-scratching surface.

Removing the Right Refrigerator Door

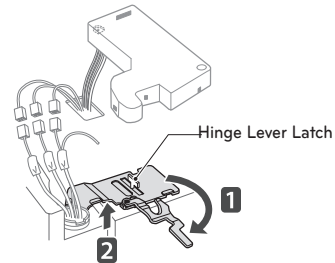
- 1 Remove the top hinge cover screw **1**. Lift the hook (not visible), located at the bottom of the front side of the cover **2**, with a flat-head screwdriver.



- 2 Detach the wire harnesses **1**. Unscrew the ground wire **2**.



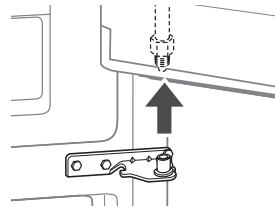
- 3 Rotate the hinge lever **1** clockwise. Lift the top hinge **2** free of the hinge lever latch.



CAUTION

When lifting the hinge free of the hinge lever latch, be careful that the door does not fall forward.

- 4 Lift the door from the middle hinge pin and remove the door.



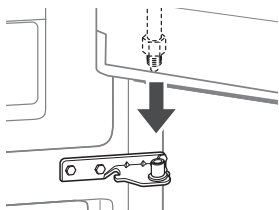
CAUTION

Place the door, inside facing up, on a non-scratching surface.

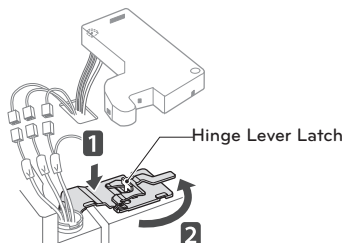
Assembling the Right Refrigerator Door

Install the right-side door first.

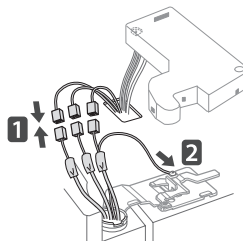
- 1 Make sure that the plastic sleeve is inserted in the bottom of the door. Lower the door onto the middle hinge pin as shown in the figure.



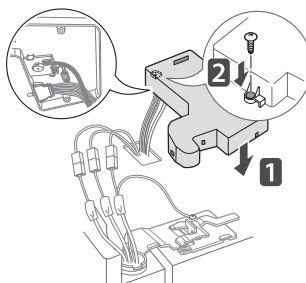
- 2 Fit the hinge **1** over the hinge lever latch and slot it into place. Rotate the lever **2** counterclockwise to secure the hinge.



- 3 Connect the wire harnesses **1**. Screw the ground wire **2**.



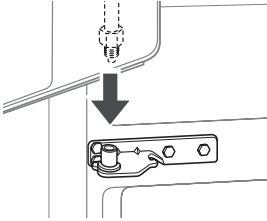
- 4 Make sure that the door-switch located inside the cover is tightly connected. Position the cover in its place. Insert and tighten the cover screw **2**.



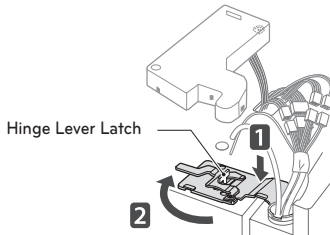
Assembling the Left Refrigerator Door

Install the left refrigerator door after the right door is installed.

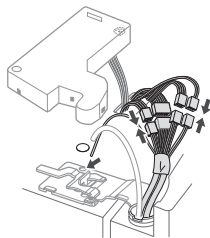
- 1 Make sure that the plastic sleeve is inserted in the bottom of the door. Install the refrigerator door onto the middle hinge.



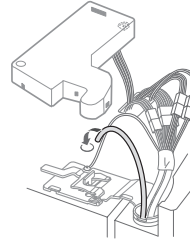
- 2 Fit the hinge **1** over the hinge lever latch and slot it into place. Rotate the lever clockwise **2** and fasten the hinge.



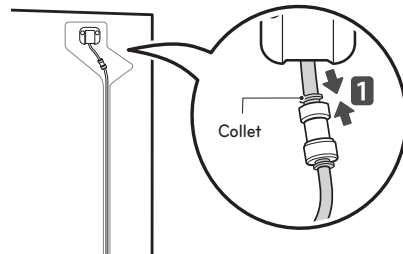
- 3 Connect all the wire harnesses.



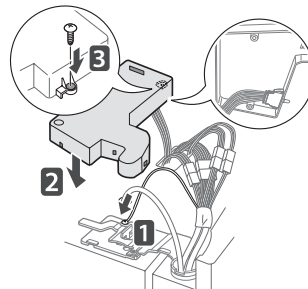
- 4 Push the water supply tube into the hole on the top case and pull it through the backplate.



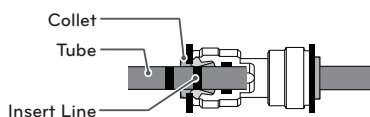
- 5 Hold the water supply connection and gently push in the collet to connect the water supply line as shown in **1**. Insert the tube at least $\frac{5}{8}$ inch (15 mm) into the connector.



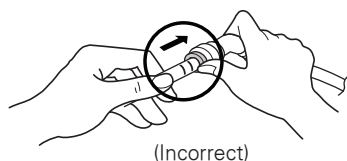
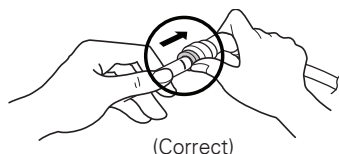
- 6 Screw the ground wire **1**. Make sure that the door-switch located inside the cover is tightly connected. Place the cover **2** in its position and tighten the cover screw **3**.



NOTE



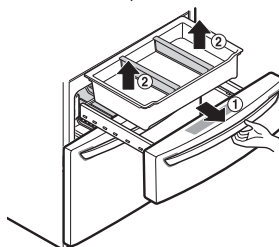
- 1) Gently insert the tube until only one line shows on the tube.



- 2) Pull the tube to make sure that the tube is tightly fastened.

Removing the CustomChill™ Drawer

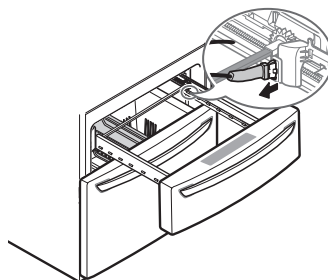
- 1 Pull the drawer open to full extension. Remove the basket by lifting the basket from the rail system.



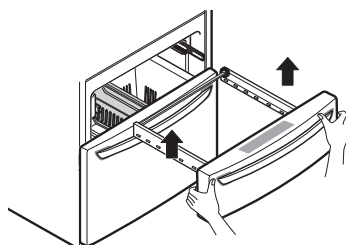
NOTE

Before removing the CustomChill™ drawer, it must be disconnected from the temperature control.

- 2 Disconnect the wire harness connection at the end of the right rail by pressing on the tabs on either side. It may help to use a small, flat-blade screwdriver to apply pressure to the ends of the tabs on either side.

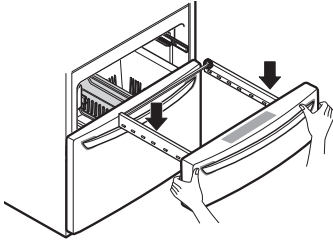


- 3 Hold both sides of the door and lift it to remove it from the rail system.

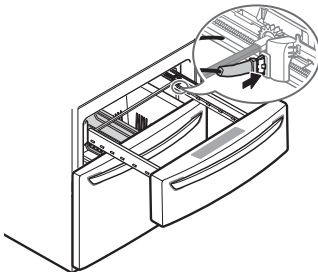


Assembling the CustomChill™ Drawer

- 1 Grasp the door on each side and lower it into place on the rail system.



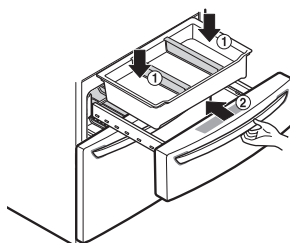
- 2 Reconnect the wire harness to the connection at the end of the right rail by aligning the two ends and pushing them together until you hear a click. The tabs should snap back into place. Tug gently to make sure the connection is secure.



NOTE

If you do not reconnect the wire harness securely, the CustomChill™ drawer will not work properly.

- 3 Pull the drawer open to full extension. Lower the basket onto the rail system.



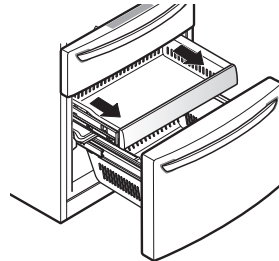
Removing the Freezer Drawer



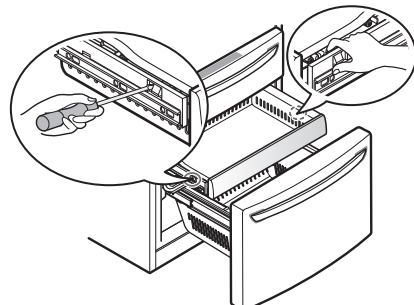
CAUTION

- Use two or more people to remove and install the freezer drawer. Failure to do so can result in back or other injury.
- Do not hold the handle when removing or replacing the drawer. The handle may come off, causing personal injury.
- Be careful of sharp hinges on both sides of the drawer.
- When you lay the drawer down, be careful not to damage the floor.
- Do not sit or stand on the freezer drawer.
- To prevent accidents, keep children and pets away from the drawer. Do not leave the drawer open.

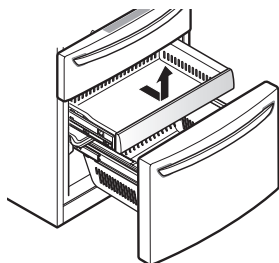
- 1 Pull the freezer drawer open to full extension.
- 2 Remove the top pullout drawer by first pulling the drawer open to full extension.



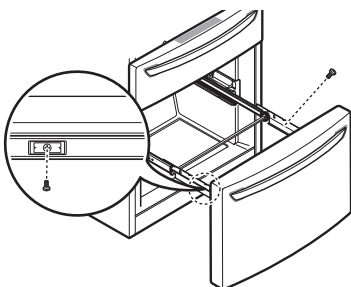
On the left rail, use a flat blade screwdriver to push in on the tab to release the drawer from the rail, as shown below. Once the left side is loose, push the tab on the right side with your finger to release the drawer. Lift the front of the drawer up, then pull it straight out.



- 3 Remove the middle drawer by pulling the drawer out to full extension. Lift the front of the drawer up, then pull it straight out.



- 4 Remove the Durabase by opening the freezer drawer to full extension and lifting the basket off of the rail assembly.

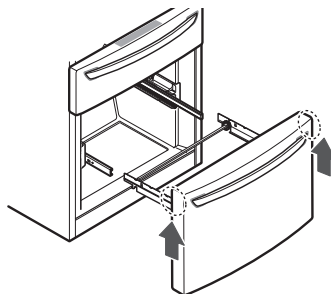


- 5 Remove the screws from the rails at both ends.

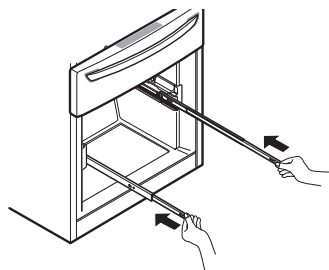
- 6 With both hands, grip both sides of the drawer and pull it up to remove it from the rails.

CAUTION

Do not hold the handle when removing or replacing the drawer. The handle may come off and it could cause personal injury.

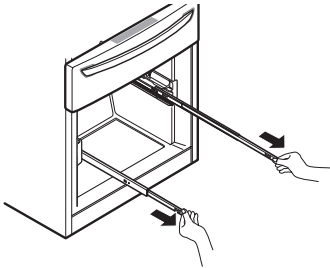


- 7 With both hands, hold each rail and push them in simultaneously.

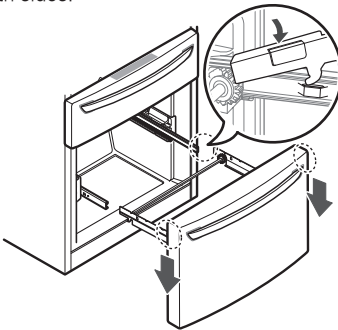


Assembling the Freezer Drawer

- 1 With both hands, pull out each rail simultaneously until both rails are fully extended.



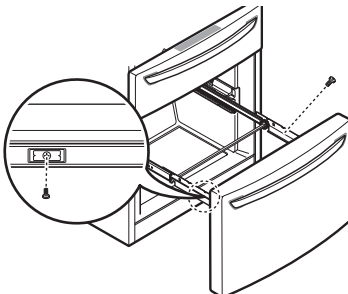
- 2 Grasp the drawer on each side and hook the drawer supports into the rail tabs located on both sides.



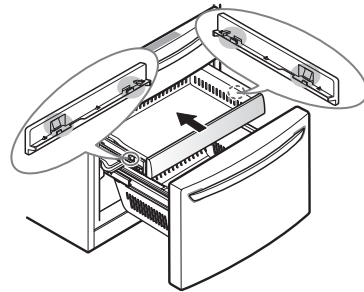
CAUTION

Do not hold the handle when removing or replacing the drawer. The handle may come off and it could cause personal injury.

- 3 Lower the door into final position and tighten the screws located on both sides.

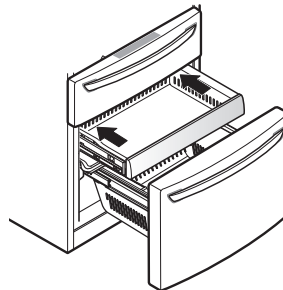


- 4 Insert the the top pullout drawer into the frame, and push the drawer back into place until you hear a click.



- 5 Slightly tilt up the front of the middle drawer, insert the drawer into the frame, and push it back into place.

- 6 Insert the lower basket in the rail assembly.



Connecting the Water Line

Before You Begin

This water line installation is not covered by the refrigerator warranty. Follow these instructions carefully to minimize the risk of expensive water damage.

Water hammer (water banging in the pipes) in house plumbing can cause damage to refrigerator parts and can lead to water leakage or flooding. Call a qualified plumber to correct water hammer before installing the water supply line to the refrigerator.



CAUTION

To prevent burns and product damage, only connect the refrigerator water line to a cold water supply.

If you use your refrigerator before connecting the water line, make sure the icemaker power switch is in the OFF (O) position.



CAUTION

Do not install the icemaker tubing in areas where temperatures fall below freezing.

Water Pressure

The water pressure must be 20~120 psi or 138~827 kPa or 1.4~8.4 kgf/cm² on models without a water filter and 40~120 psi or 276~827 kPa or 2.8~8.4 kgf/cm² on models with a water filter.

If a reverse osmosis water filtration system is connected to your cold water supply, this water line installation is not covered by the refrigerator warranty. Follow the instructions carefully to minimize the risk of expensive water damage.

If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276~414 kPa or 2.8~4.2 kgf/cm², less than 2.0~3.0 sec. to fill a cup of 7 oz or 198 cc capacity).



CAUTION

Wear eye protection during installation to prevent injury.

If the water pressure from the reverse osmosis system is less than 20 psi or 138 kPa or 1.4 kgf/cm² (takes more than 4.0 sec to fill a cup of 7 oz or 198 cc capacity):

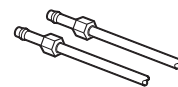
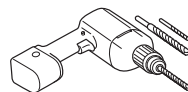
- Check to see if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If the issue concerning water pressure from reverse osmosis remains, call a licensed, qualified plumber.
- All installations must be in accordance with local plumbing code requirements.

What You Will Need

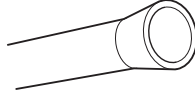
- **Copper Tubing**, ¼ in. outer diameter, to connect the refrigerator to the water supply. Be sure both ends of the tubing are cut square.
- To determine how much tubing you need: measure the distance from the water valve on the back of the refrigerator to the water supply pipe. Then, add 8 feet (2.4 m). Be sure there is sufficient extra tubing (about 8 feet [2.4 m] coiled into 3 turns of about 10 in. [25 cm] diameter) to allow the refrigerator to move out from the wall after installation.



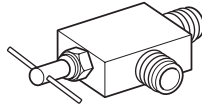
- **Power drill.**
- **½ in. or adjustable wrench.**
- **Flat blade and Phillips head screwdrivers.**
- **Two ¼ in. outer diameter compression nuts and 2 ferrules (sleeves)** to connect the copper tubing to the shutoff valve and the refrigerator water valve.



- If your existing copper water line has a flared fitting at the end, you will need an adapter (available at plumbing supply stores) to connect the water line to the refrigerator OR you can cut off the flared fitting with a tube cutter and then use a compression fitting.



- **Shutoff valve** to connect to the cold water line. The shutoff valve should have a water inlet with a minimum inside diameter of 5/32 in. at the point of connection to the COLD WATER LINE. Saddle-type shutoff valves are included in many water supply kits. Before purchasing, make sure a saddle-type valve complies with your local plumbing codes.



NOTE

A self piercing saddle type water valve should not be used.

Water Line Installation Instructions



WARNING

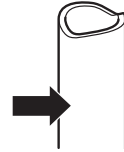
When using any electrical device (such as a power drill) during installation, be sure the device is battery powered, double insulated or grounded in a manner that will prevent the hazard of electric shock.

Install the shutoff valve on the nearest frequently used drinking water line.

- 1 SHUT OFF THE MAIN WATER SUPPLY
Turn on the nearest faucet to relieve the pressure on the line.

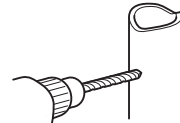
- 2 CHOOSE THE VALVE LOCATION

Choose a location for the valve that is easily accessible. It is best to connect into the side of a vertical water pipe. When it is necessary to connect into a horizontal water pipe, make the connection to the top or side, rather than at the bottom, to avoid drawing off any sediment from the water pipe.



- 3 DRILL THE HOLE FOR THE VALVE

Drill a 1/4 in. hole in the water pipe using a sharp bit. Remove any burrs resulting from drilling the hole in the pipe. Be careful not to allow water to drain into the drill. Failure to drill a 1/4 in. hole may result in reduced ice production or smaller cubes.

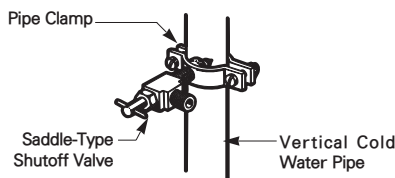


NOTE

The hookup line cannot be white, plastic tubing. Licensed plumbers must use only copper tubing (NDA tubing #49595 or #49599) or Cross Link Polyethylene (PEX) tubing.

4 FASTEN THE SHUTOFF VALVE

Fasten the shutoff valve to the cold water pipe with the pipe clamp.

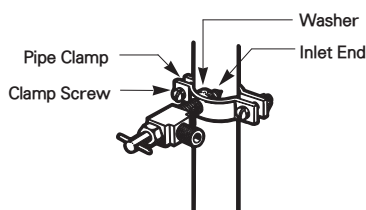
**NOTE**

Commonwealth of Massachusetts Plumbing Codes 248CMR shall be adhered to. Saddle valves are illegal and their use is not permitted in Massachusetts. Consult with the licensed plumber.

5 TIGHTEN THE PIPE CLAMP

Tighten the clamp screws until the sealing washer begins to swell.

NOTE: Do not overtighten the clamp or you may crush the tubing.



6 ROUTE THE TUBING

Route the tubing between the cold water line and the refrigerator.

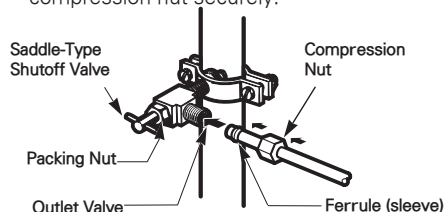
Route the tubing through a hole drilled in the wall or floor (behind the refrigerator or adjacent base cabinet) as close to the wall as possible.

**NOTE**

Be sure there is sufficient extra tubing (about 8 feet coiled into 3 turns of about 10 in. diameter) to allow the refrigerator to move out from the wall after installation.

7 CONNECT THE TUBING TO THE VALVE

Place the compression nut and ferrule (sleeve) for the copper tubing onto the end of the tubing and connect it to the shutoff valve. Make sure the tubing is fully inserted into the valve. Tighten the compression nut securely.



8 FLUSH OUT THE TUBING

Turn the main water supply on and flush out the tubing until the water is clear.

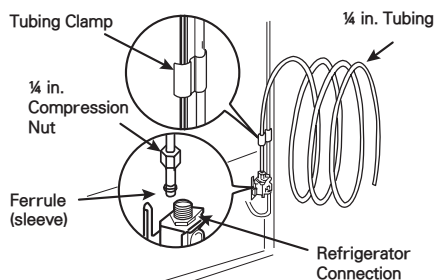
Shut the water off at the water valve after about one quart of water has been flushed through the tubing.



9 CONNECT THE TUBING TO THE REFRIGERATOR

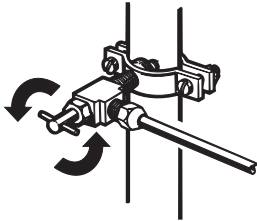
NOTE: Before making the connection to the refrigerator, be sure that the refrigerator power cord is not plugged into the wall outlet.

- Remove the plastic flexible cap from the water valve.
- Place the compression nut and ferrule (sleeve) onto the end of the tubing as shown.
- Insert the end of the copper tubing into the connection as far as possible. While holding the tubing, tighten the fitting.



10 TURN THE WATER ON AT THE SHUTOFF VALVE

Tighten any connections that leak.



CAUTION

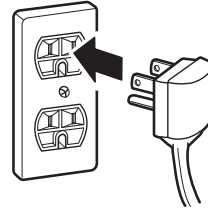
Check to see if leaks occur at the water line connections.

11 PLUG IN THE REFRIGERATOR

Arrange the coil of tubing so that it does not vibrate against the back of the refrigerator or against the wall. Push the refrigerator back to the wall.

Turning On The Power

Plug in the refrigerator.



CAUTION

- Connect to a rated power outlet.
- Have a certified electrician check the wall outlet and wiring for proper grounding.
- Do not damage or cut off the ground terminal of the power plug.

12 START THE ICEMAKER

Set the icemaker power switch to the **ON** position.

The icemaker will not begin to operate until it reaches its operating temperature of 15°F (–9°C) or below. It will then begin operation automatically if the icemaker power switch is in the **ON (I)** position.

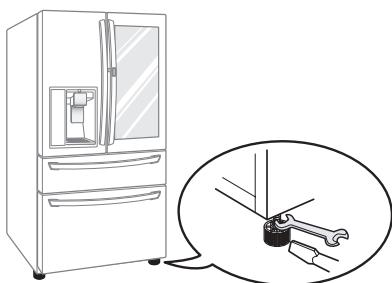
Leveling and Door Alignment

Leveling

After installing, plug the refrigerator's power cord into a 3-prong grounded outlet and push the refrigerator into the final position.

The refrigerator has two front leveling legs—one on the right and one on the left. Adjust the legs to alter the tilt from front-to-back or side-to-side. If the refrigerator seems unsteady, or you want the doors to close more easily, adjust the refrigerator's tilt using the instructions below:

- 1 Turn the leveling leg to the left to raise that side of the refrigerator or to the right to lower it. It may take several turns of the leveling leg to adjust the tilt of the refrigerator.



NOTE

A flare nut wrench works best, but an open-end wrench will suffice. Do not over-tighten.

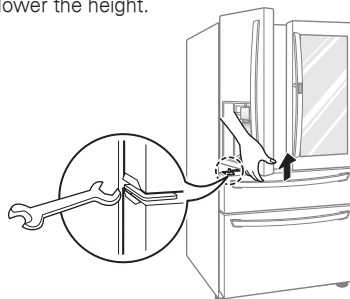
- 2 Open both doors again and check to make sure that they close easily. If the doors do not close easily, tilt the refrigerator slightly more to the rear by turning both leveling legs to the left. It may take several more turns, and you should turn both leveling legs the same amount.

Door Alignment

The left refrigerator door has an adjustable nut, located on the bottom hinge, to raise and lower the door for proper alignment.

If the space between the doors is uneven, follow the instructions below to align the doors:

Use the wrench (included with the owner's manual) to turn the nut in the door hinge to adjust the height. Turn to the right to raise or to the left to lower the height.



The right refrigerator door does not have an adjustable nut.

If the space between the doors is uneven, follow the instructions below to align the right door:

- 1 With one hand, lift up both the inner and outer door sections of the right door to raise them at the middle hinge. (Opening the door may make lifting it easier)
- 2 With the other hand, use pliers to insert the snap ring on the middle hinge of the inner door section as shown. Do not insert the ring on the hinge of the outer door section.
- 3 Insert additional snap rings until the right door is aligned. (Two snap rings are provided with the unit.)

