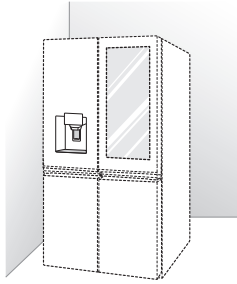


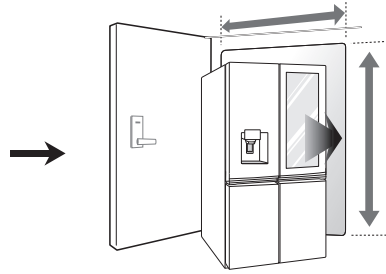
INSTALLATION

Installation Overview

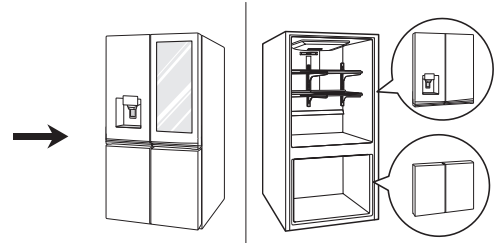
Please read the following installation instructions first after purchasing this product or transporting it to another location.



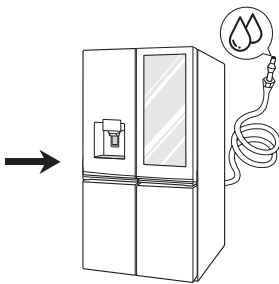
Unpacking the Refrigerator



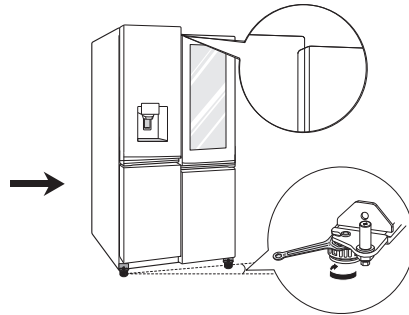
Choosing the Proper Location



Disassembling/
Assembling



Connecting the Water Line



Leveling and Door Alignment

CAUTION

- Connect to potable water supply only.

Unpacking the Refrigerator

WARNING

- Use two or more people to move and install the refrigerator. Failure to do so can result in back injury or other injury.
- The refrigerator is heavy. Protect the floor when moving the refrigerator for cleaning or service. 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.

NOTE

- Remove tape and any temporary labels from your refrigerator before using. Do not remove any warning 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.
- Reinstall or adjust shelves as needed. Refrigerator shelves are installed in the shipping position. Reinstall shelves according to your individual storage needs.

Choosing the Proper Location

Water

Water supply must 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. If the refrigerator is installed in an area with low water pressure (below 20 psi or 138 kPa or 1.4 kgf/cm²), you can install a booster pump to compensate for the low pressure.

Electricity

Use an individual, grounded outlet: 115 Volts, 60 Hz, AC, 15 Amps minimum.

WARNING

- Do not overload house wiring and cause a fire hazard by plugging in multiple appliances in the same outlet with the refrigerator.
- 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 installed and leveled on a solidly constructed floor. If required, adjust the leveling legs to compensate for the unevenness of the floor.

NOTE

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

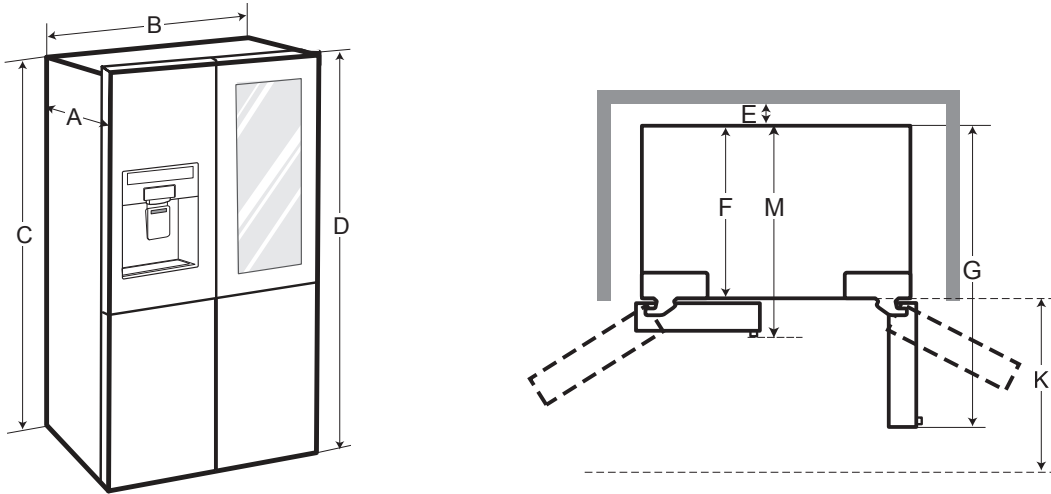
Ambient Temperature

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.

Dimensions and Clearances

- Check the dimensions of the appliance and the installation path to ensure there is sufficient room to move the refrigerator through doors or narrow openings.
- If an opening is too narrow to fit the refrigerator through, the doors must be removed. The right door can only be removed by authorized LG service personnel. Call an LG Customer Information Center and arrange for service personnel to be present at the time of installation, if necessary.
- The installation location chosen for the refrigerator should allow space behind the unit for connections and airflow and space in front to open the doors and drawers.
- Too small of a distance from adjacent items may result in lowered freezing capability and increased electricity consumption charges. Allow at least 24 inches (610 mm) in front of the refrigerator to open the doors, and at least 2 inches (50.8 mm) between the back of the refrigerator and the wall.



-	List	LNXS30996*
A	Depth without handle	36 3/8" (923 mm)
B	Width	35 7/8" (912 mm)
C	Height to Top of Case	70 3/4" (1797 mm)
D	Height to Top of Hinge	70 1/2" (1790 mm)
E	Back Clearance	2" (50 mm)
F	Depth without Door	31 3/8" (797 mm)
G	Depth (Total with Door Open 90°)	49 3/4" (1263 mm)
K	Front Clearance	24" (610 mm)
M	Depth with Handle	36 3/8" (923 mm)

Removing/Assembling the Doors

If the entrance door is too narrow for the refrigerator to pass through, remove the refrigerator doors and move the refrigerator sideways through the doorway.

The right refrigerator door must only be removed by authorized LG service personnel. Call an LG Customer Information Center and arrange for service personnel to be present at the time of installation, if necessary.

⚠ WARNING

- Use two or more people to remove and install the refrigerator and freezer doors.
- Disconnect the electrical supply to the refrigerator before installing.
- Do not put hands, feet or other objects into the air vents or bottom of the refrigerator.
- Be careful when handling the hinge and stopper.
- Remove food and bins before detaching the doors.
- Do not hold the handle when removing or replacing the doors as the handle may come off.

Tools Needed

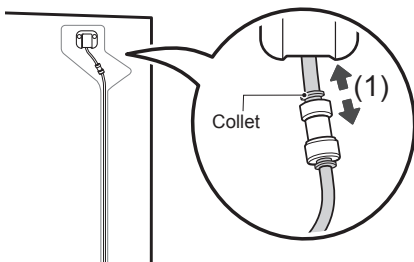
3/32 in. Allen wrench

1/8 in. Allen wrench

1/4 in. Allen wrench

Removing the Left Refrigerator Door

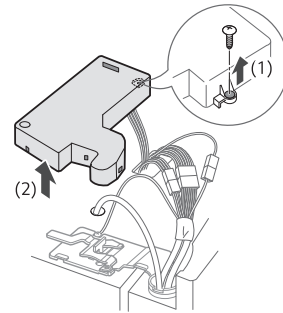
- 1 The water supply is connected to the upper right part of the rear surface of the refrigerator. Remove the ring in the joint area. Hold the water supply connection and gently push the collet to detach the water supply line as shown (1).



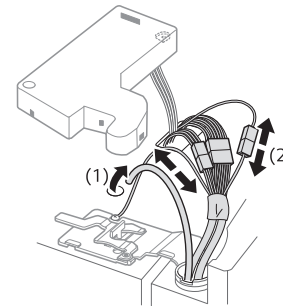
NOTE

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

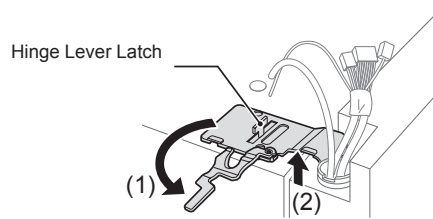
- 2 Remove the screw (1) from the hinge cover at the top of the refrigerator. Lift the hook (not visible), located at the bottom of the front side of the cover (2) with a flat-head screwdriver.



- 3 Remove the cover and pull out the water supply tube (1). Disconnect all wire harnesses (2).



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

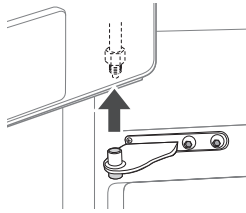


⚠ CAUTION

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

16 INSTALLATION

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

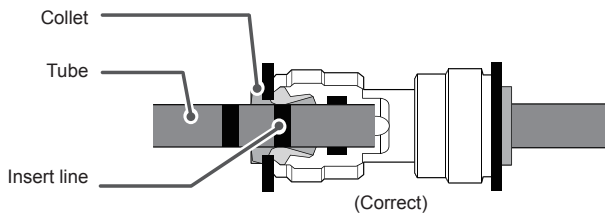


CAUTION

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

NOTE

Disassembling/Assembling the Water Lines

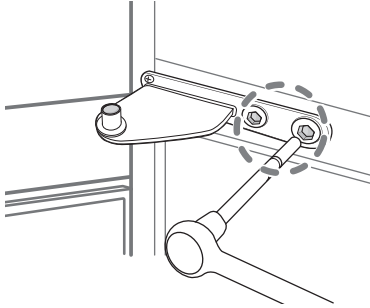


Removing the Right Refrigerator Door

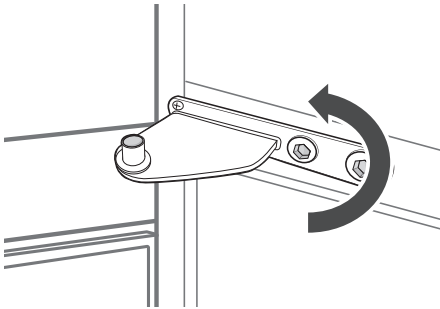
The right refrigerator door must be removed by authorized LG service personnel only. Call an LG Customer Information Center and arrange for service, if necessary.

Removing the Freezer Doors

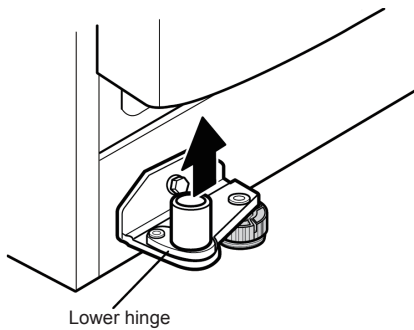
- 1 Remove the two hinge bolts.



- 2 Rotate the hinge out of the way so that the door can be lifted off.

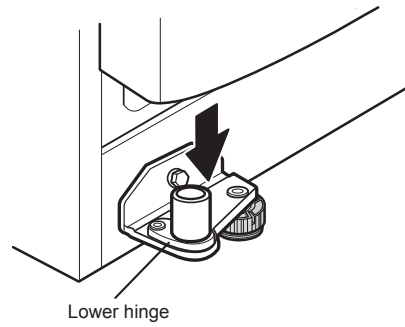


- 3 Remove the door by raising it from the lower hinge.

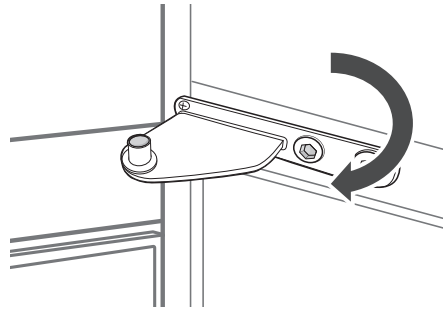


Assembling the Freezer Doors

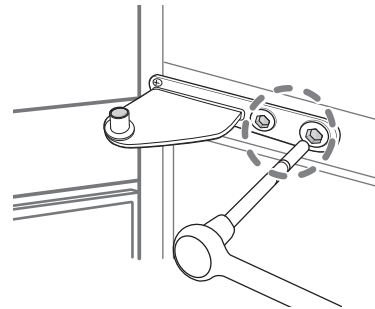
- 1 Lower the door onto the lower hinge pin.



- 2 Position the middle hinge pin in place to hold the door and insert the two hinge bolts.



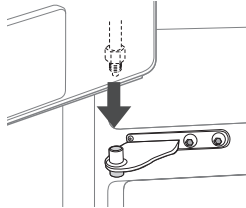
- 3 Tighten the two hinge bolts.



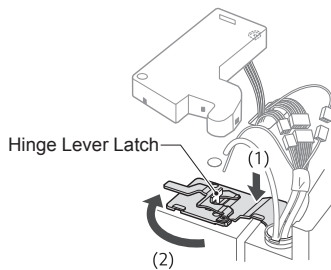
Assembling the Left Refrigerator Door

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

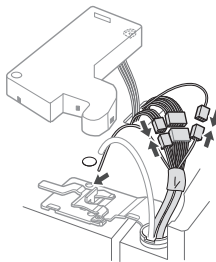
- 1 Make sure that the plastic sleeve is inserted in the bottom of the door. Install the refrigerator door onto the middle hinge.



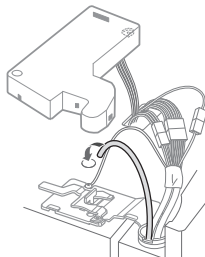
- 2 Fit the hinge (1) over the hinge lever latch and slot it into place. Rotate the lever clockwise (2) and fasten the hinge.



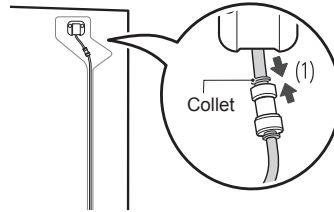
- 3 Connect all the wire harnesses.



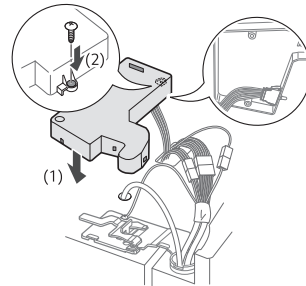
- 4 Push the water supply tube into the hole on the top case and pull it through the backplate.



- 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 5/8 inch (15 mm) into the connector.

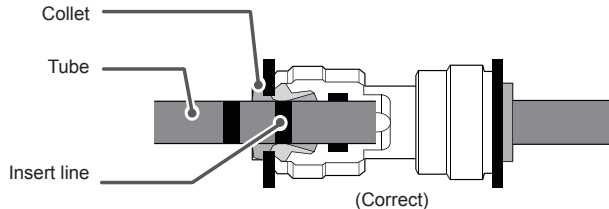


- 6 Make sure that the door-switch located inside the cover is tightly connected. Place the cover (1) in its position and tighten the cover screw (2).

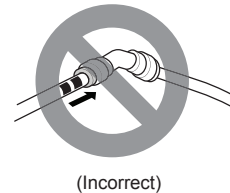
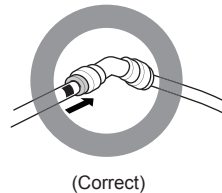


NOTE

Disassembling/Assembling the Water Lines



- Gently press the collet and insert the tube until only one line shows on the tube.



Connecting the Water Line

Before Beginning

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

If necessary, call a qualified plumber to correct water hammer before installing the water supply line to the refrigerator. Water banging in the pipes, or water hammer in residential plumbing can cause damage to refrigerator parts and lead to water leakage or flooding.

- Turn the icemaker OFF if the refrigerator will be used before the water line is connected.
- Do not install the icemaker tubing in areas where the ambient temperatures fall below freezing.

WARNING

- Connect to potable water supply only.

CAUTION

- To prevent burns and product damage, only connect the refrigerator water line to a cold water supply.
- Wear eye protection during installation to prevent injury.

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 276-827kPa 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 waterline installation is not covered by the refrigerator warranty. Follow the instructions carefully to minimize the risk of expensive water damage.

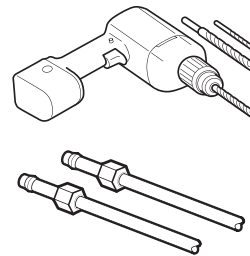
If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276-414 kPa or 2.8-4.2 kgf/cm², less than 2.0-3.0 sec. to fill a cup of 7 oz or 198 cc capacity).

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 seconds to fill a cup of 7 oz or 198 cc capacity):

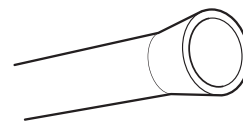
- Check to see if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If the water pressure remains low, call a licensed, qualified plumber.
- All installations must be in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

Supplies Needed

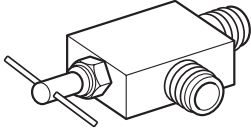
- **Copper or PEX Tubing**, ¼ in. outer diameter, to connect the refrigerator to the water supply. Be sure both ends of the tubing are cut square. To determine how much tubing you need, measure the distance from the water valve on the back of the refrigerator to the water supply pipe. Then, add 8 feet (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, purchase an adapter (available at plumbing supply stores) to connect the water line to the refrigerator OR 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

Electric Shock Hazard:

- 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.

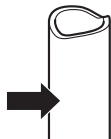
Install the shutoff valve on the nearest frequently used drinking water line.

1 Shut off the main water supply.

Turn on the nearest faucet to relieve the pressure on the line.

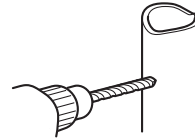
2 Choose the valve location.

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.

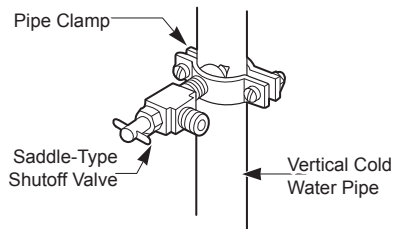


NOTE

- 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.

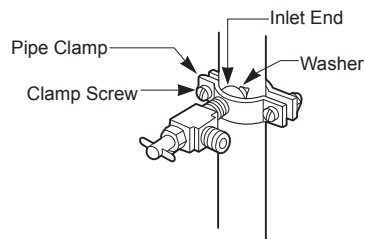


NOTE

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

5 Tighten the pipe clamp.

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



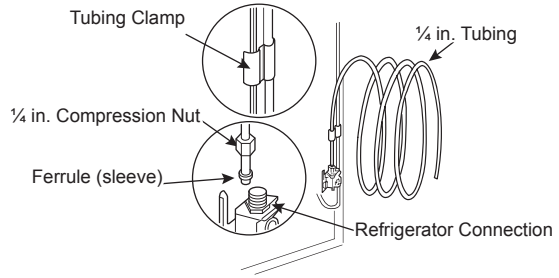
NOTE

- Do not over tighten 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.



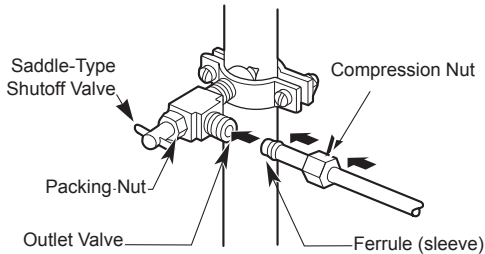
NOTE

- Be sure there is sufficient extra tubing (about 8 ft. coiled into three 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.

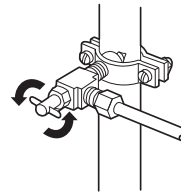
Place the compression nut and ferrule (sleeve) for copper tubing onto the end of the tubing and connect it to the shutoff valve.

Make sure the tubing is fully inserted into the valve. Tighten the compression nut securely.



10 Turn the water on at the shutoff valve.

Tighten any connections that leak.



CAUTION

- Check for leaks at all water line connections.

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.



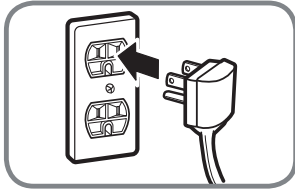
9 Connect the tubing to the refrigerator.

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.

Turning on the Power

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



⚠ CAUTION

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

Position 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.

Start the Icemaker

- If the water line is connected, 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

The refrigerator has two front leveling legs. Adjust the legs to alter the tilt from front-to-back or side-to-side. If the refrigerator seems unsteady, or the doors do not close 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

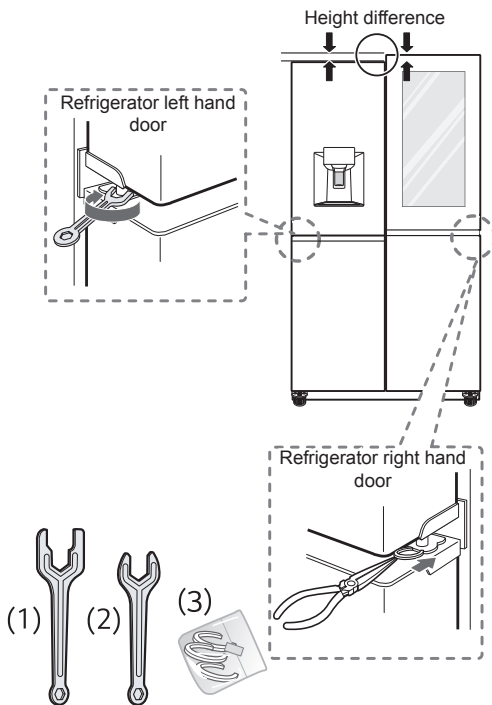
- A flare nut wrench works best, but an open-end wrench will suffice. Do not over-tighten.
- 2 Open both doors and check to make sure that they close easily. If the doors do not close easily, tilt the refrigerator slightly more to the rear by turning both leveling legs to the left. It may take several more turns, and be sure to turn both leveling legs the same amount.

Door Alignment

Leveling the doors may not be possible when the floor is not level, or is of weak or poor construction. The refrigerator is heavy and should be installed on a rigid and solid surface. Some wood flooring may cause leveling difficulties if it flexes excessively.

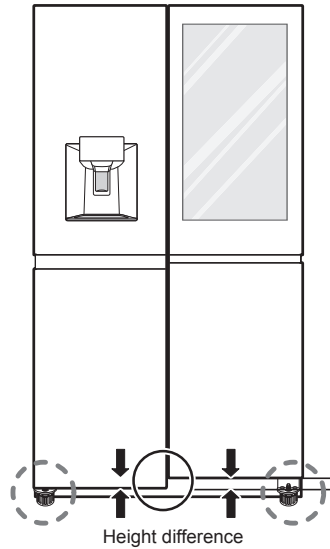
Refrigerator Door Alignment

- If either refrigerator door is lower, open the door, lift it, and turn the hinge bolt using the wrench as shown. (For upper refrigerator doors, use wrench 1.)
- If the right side door is lower, lift the right side door, and use a pair of long nose pliers (not supplied) to additionally insert a snap ring (3) as shown in the drawing, until the doors are aligned.



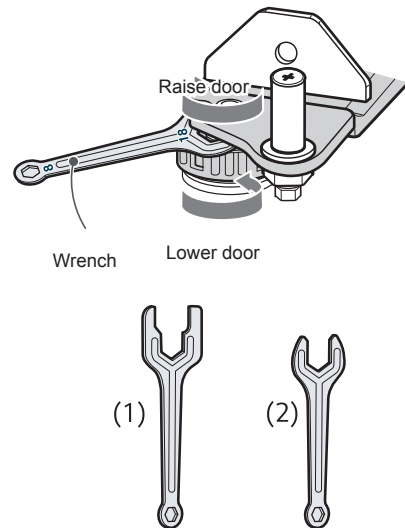
Freezer Door Alignment

- Method 1 is recommended.
- For freezer doors, use wrench (2).



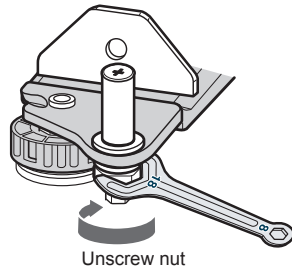
Method 1

Open the door, and adjust the height by tightening the nut above the foot with the wrench (2).

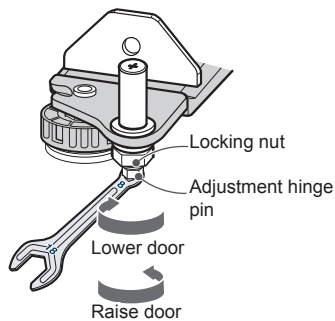


Method 2

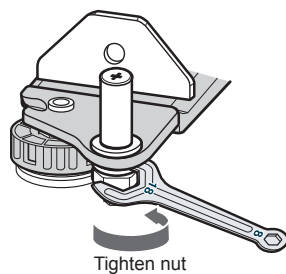
- Only allows a maximum of 3mm of adjustment.
- 1 Use the wider side of the number (2) wrench to unscrew the locking nut.



- 2 Use the narrower side of the wrench to turn the adjustment hinge pin clockwise or counterclockwise, and adjust the gap difference between the refrigerator and the freezer door.



- 3 After the door heights are adjusted, completely tighten the locking nut by turning it counterclockwise.



CAUTION

- Do not adjust the height of the hinge pin too much. The hinge pin can fall out. (Maximum height adjustment: 3mm)