

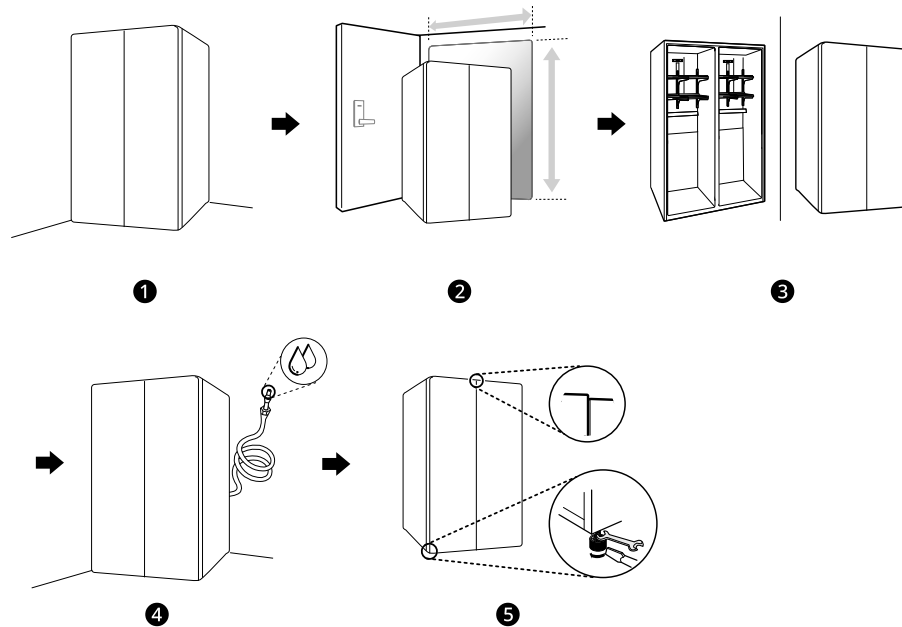
10 INSTALLATION

INSTALLATION

Before Installing

Installation Overview

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



- 1 Unpacking the Refrigerator
- 2 Choosing the Proper Location
- 3 Disassembling/Assembling
- 4 Connecting the Water Line
- 5 Leveling and Door Alignment

⚠ WARNING

- 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

The refrigerator must be located where a water supply can be connected for the automatic icemaker.

NOTE

- The water pressure must be 20 - 120 psi (138 - 827 kPa). If the refrigerator is installed in an area with low water pressure (below 20 psi or 138

kPa), 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).

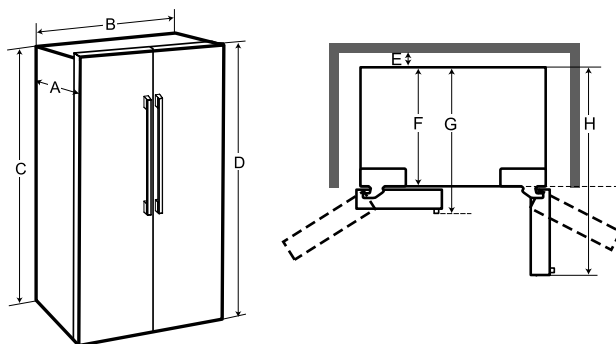
If the temperature around the appliance is too low or high, cooling ability may be adversely affected.

The internal temperatures could be affected by the location of the appliance, the ambient temperature, the frequency of door opening and other factors.

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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, remove the refrigerator doors. See Removing/Assembling the Doors and Drawers in this manual.
- 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 2 inches (50 mm) between the back of the refrigerator and the wall.
- Remember to allow enough room in front of the refrigerator to fully open the doors and drawers.



-	Dimension/Clearance	LS27T3230*
A	Depth without Handle	33 7/8" (861 mm)
B	Width	35 7/8" (912 mm)
C	Height to Top of Case	69" (1752 mm)
D	Height to Top of Hinge	70 1/2" (1790 mm)
E	Back Clearance	2" (50 mm)
F	Depth without Door	32 1/8" (817 mm)
G	Depth with Handle	36 5/16" (922 mm)
H	Depth (Total with Door Open 90°)	51 5/16" (1304 mm)

Removing/Assembling Handles

These instructions are for models which ship with the handles assembled. For models shipped with the handles disassembled, follow the instructions included in the handle package.

- Tools Needed
 - Units shipped with disassembled handles: 3/32" and 1/4" Allen wrenches only
 - Units shipped with assembled handles: 3/32", 1/8" and 1/4" Allen wrenches

When moving the refrigerator through a narrow opening, removing the doors is preferred. If you must remove the handles, be very careful not to scratch the doors.

The appearance of the handles may vary from what is shown.

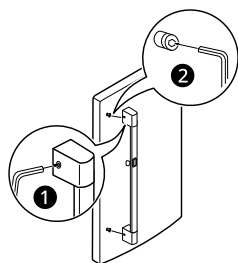
CAUTION

- When assembling or disassembling the refrigerator handles, grasp the handle firmly to avoid dropping it.
- Do not swing the handle into nearby people or animals.

- Make sure that the set screws are in place and the handle footprints at the ends of the handles are aligned correctly over the mounting fasteners on the doors. The set screws should be loose enough to allow the handle footprints to slide down into place over the mounting fasteners on the door.
- Make sure that there is not a gap between the door and handle after assembling the handle.

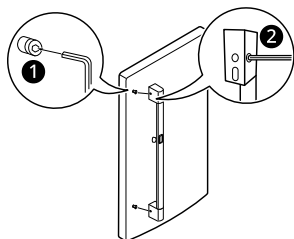
Removing Refrigerator Handles

- 1 Loosen the set screws ① with a 3/32 in. Allen wrench and remove the handle.
- 2 If needed, loosen the mounting fasteners ② that connect the refrigerator door and handle using a 1/4 in. Allen wrench, and remove the mounting fasteners.



Assembling Refrigerator Handles

- 1 If needed, reassemble the mounting fasteners ① on the door with a 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 3/32 in. Allen wrench.



Removing/Assembling 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.

CAUTION

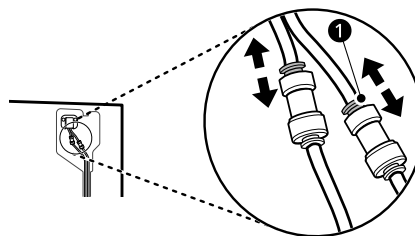
- Use two or more people to remove and install the refrigerator doors.
- Disconnect the electrical supply to the refrigerator before installing.
- Do not put hands, feet or other objects into the air vents or bottom of the refrigerator.
- Be careful when handling the hinge and hinge lever.
- Remove food 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

- Flat-head screwdriver
- Phillips screwdriver

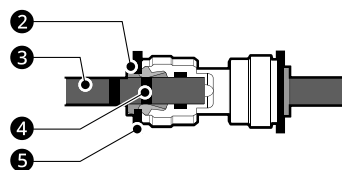
Removing the Freezer Door

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



NOTE

- Disassembling/Assembling the Water Lines

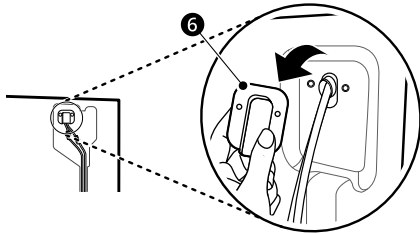


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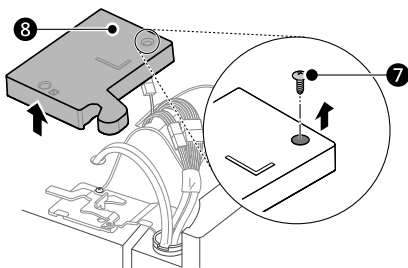
NOTE

② Collet ③ Tube ④ Insert line ⑤ Clip

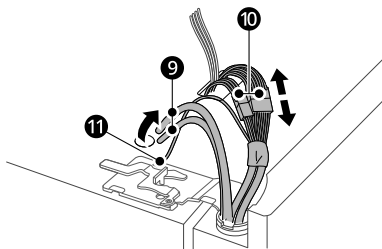
- 2 Remove the screws from the water line cover ⑥ and detach the cover.



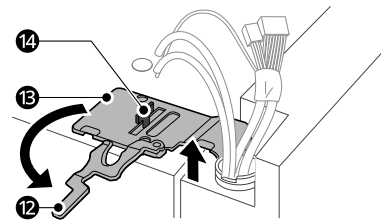
- 3 Remove the screw ⑦ from the hinge cover at the top of the refrigerator. Lift the hook (not visible), located at the bottom of the front side of the cover ⑧ with a flat-head screwdriver.



- 4 Pull out the water supply lines ⑨ at the top of the refrigerator. Disconnect all the wire harnesses ⑩. Unscrew the ground wire ⑪.



- 5 Rotate the hinge lever ⑫ counterclockwise. Lift the top hinge ⑬ free of the hinge lever latch ⑭.

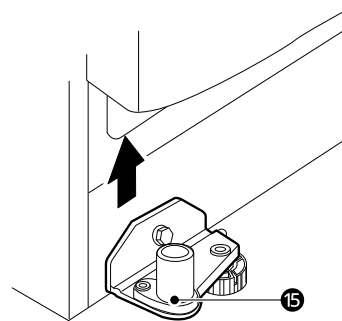


CAUTION

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

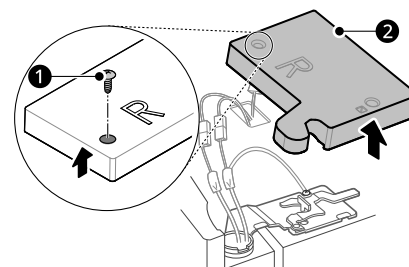
- 6 Free the hinge from the water lines and wire harnesses and set it aside.

- 7 Lift the door from the bottom hinge pin ⑮ and place it, inside facing up, on a non-scratching surface.

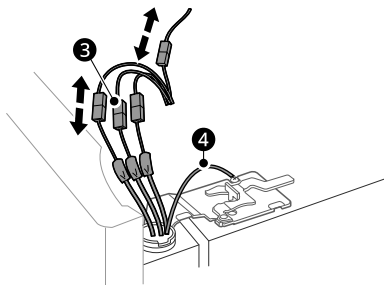


Removing the Refrigerator Door

- 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.



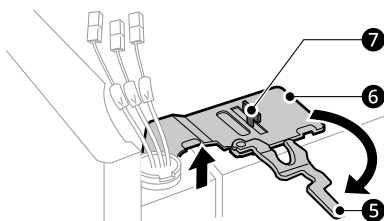
- 2 Detach all the wire harnesses ③. Unscrew the ground wire ④.



NOTE

- The number of wire harnesses may vary depending on the model.
- Ground wire is only present on some models.

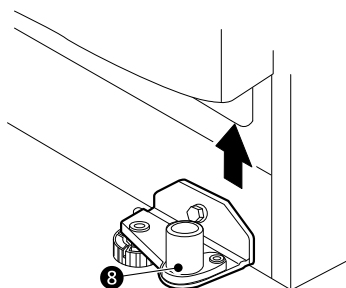
- 3 Rotate the hinge lever ⑤ clockwise. Lift the top hinge ⑥ free of the hinge lever latch ⑦.



CAUTION

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

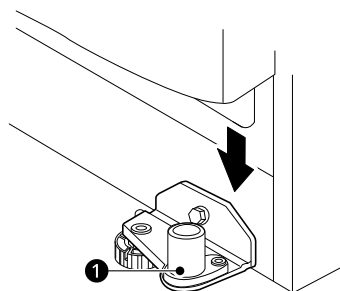
- 4 Lift the door from the bottom hinge pin ⑧.



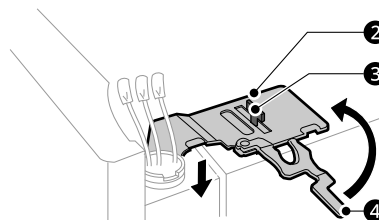
- 5 Place the door, inside facing up, on a non-scratching surface.

Assembling the Refrigerator Door

- 1 Place the door onto the bottom hinge pin ①.



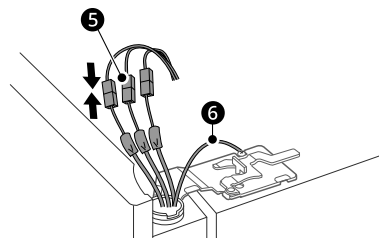
- 2 Fit the hinge ② over the hinge lever latch ③ and slot it into place. Rotate the lever ④ counterclockwise to secure the hinge.



NOTE

- Align the refrigerator door with the cabinet to help fit the top hinge in place.

- 3 Connect all the wire harnesses ⑤. Screw in the ground wire ⑥.

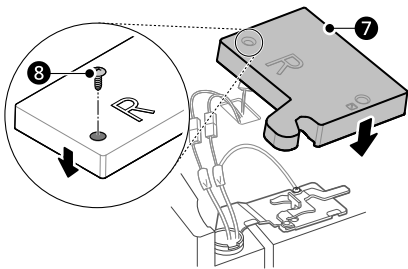


NOTE

- The number of wire harnesses may vary depending on the model.
- Ground wire is only present on some models.

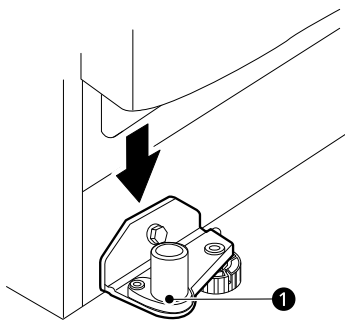
- 4 Set the hinge cover ⑦ in place. Insert and tighten the cover screw ⑧.

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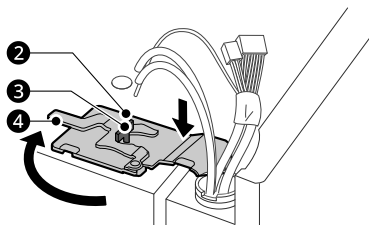


Assembling the Freezer Door

- 1 Install the freezer door onto the bottom hinge pin ①.



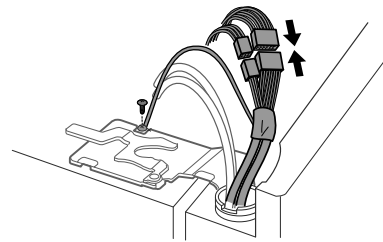
- 2 Fit the hinge ② over the hinge lever latch ③ and slot it into place. Rotate the lever ④ clockwise and fasten the hinge.



NOTE

- Align the freezer door with the cabinet to help fit the top hinge in place.

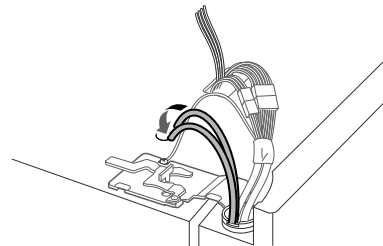
- 3 Connect all the wire harnesses and the ground wire.



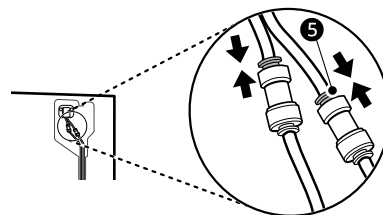
NOTE

- The number of wire harnesses may vary depending on the model.
- Ground wire is only present on some models.

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

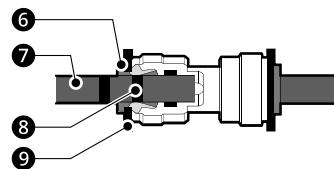


- 5 Hold the water supply connection and gently push in the collet ⑤ to connect the water supply lines as shown. Insert the tube at least 5/8 inch (15 mm) into the connector. Insert the clip on the joint to fasten the tubes in place.



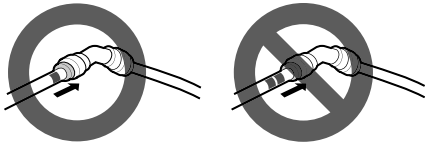
NOTE

- Disassembling/Assembling the Water Lines

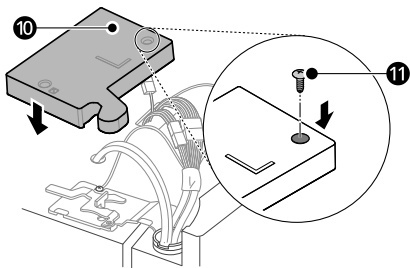


⑥ Collet ⑦ Tube ⑧ Insert line ⑨ Clip

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



- 6** Set the cover **10** in place. Insert and tighten the cover screw **11**.



Connecting Refrigerator to Water Supply

Before Beginning

These instructions assume you have an existing water supply connection for the refrigerator. If necessary, call a qualified plumber to install a water supply line for the refrigerator.

- 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

You will need a cold water supply.

Water Pressure

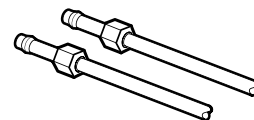
- **Models with water filter:**
 - 20 - 120 psi (138 - 827 kPa)
- **Where reverse osmosis water filtration system is connected to a cold water supply:**
 - 40 - 60 psi minimum to reverse osmosis system (2.8 kgf/cm² - 4.2 kgf/cm², or less than 2 - 3 seconds to fill a cup of 7 oz capacity)

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

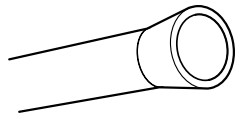
- **Copper or PEX Tubing**, ¼ in. outer diameter, to connect the refrigerator to the water supply. Be sure both ends of the tubing are cut square. To determine how much tubing you need, measure the distance from the water valve on the back of the refrigerator to the water supply pipe. Then, add 8 feet (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.
- **½ in. or adjustable wrench.**
- **Flat-blade and Phillips 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 you are using a PEX water line kit, it may already have the required fittings at either end.



- 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

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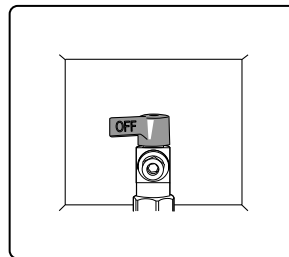
fitting with a tube cutter and use a compression fitting.



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.
- 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.

one quart of water has been flushed through the tubing.



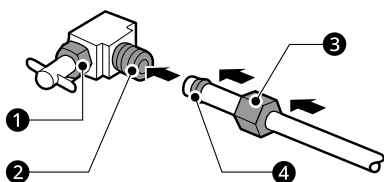
NOTE

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

Connecting Water Line to Refrigerator

1 Connect the tubing to the shutoff valve.

- Place the compression nut and ferrule (sleeve) onto the end of the copper tubing and connect it to the shutoff valve. If you are using PEX, the tubing may already have the required fittings at either end. Make sure the tubing is fully inserted into the valve. Tighten the compression nut securely.



- ① Packing Nut
- ② Shutoff Valve
- ③ Compression Nut
- ④ Ferrule (sleeve)

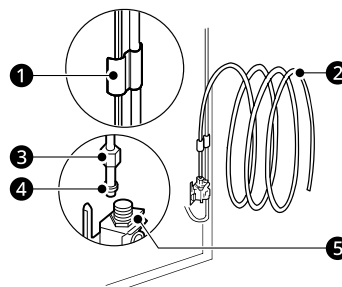
2 Flush out the tubing into a bucket.

- Flush out the tubing coming from the home water supply until the water is clear. Shut the water off at the water valve after about

3 Remove the flexible plastic cap from the water valve on the refrigerator.

4 Place the compression nut and ferrule (sleeve) onto the end of the tubing as shown. If you are using a PEX connection kit, it may already have the required fittings.

5 Insert the end of the copper or PEX tubing into the connection as far as possible. While holding the tubing, tighten the fitting.



- ① Tubing Clamp
- ② 1/4 in. Tubing
- ③ 1/4 in. Compression Nut
- ④ Ferrule (sleeve)
- ⑤ Refrigerator Connection

- 6** Turn the water on at the shutoff valve.
- Tighten any connections that leak.

CAUTION

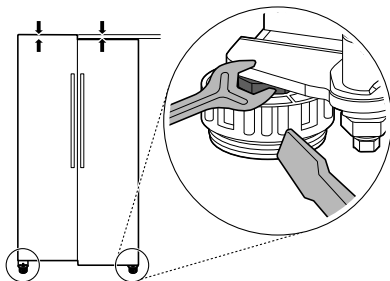
- Check to see if leaks occur at the water line connections.
- Make sure the house water valve is fully open. If it is not open completely, the icemaker and dispenser may not work properly.

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.

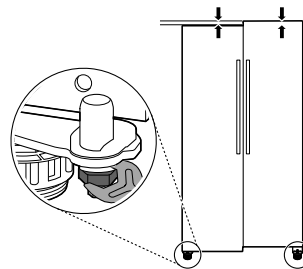
- 2** Open both doors and check to make sure that they close easily. If the doors do not close easily, tilt the refrigerator slightly more to the rear by turning both leveling legs to the left. It may take several more turns, and be sure to turn both leveling legs the same amount.

Door Alignment

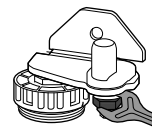
Both the left and right refrigerator doors have an adjustable nut, located on the bottom hinge, to raise and lower them to align properly.

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

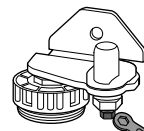
Use the wrench (included with the owner's manual) to turn the nut in the door hinge to adjust the height.



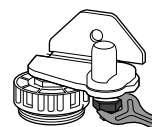
- 1** Open the door and use the wrench to loosen the keeper nut by turning it to the left.



- 2** Use the wrench to adjust the height by turning the adjustment hinge pin to the right to raise the door or to the left to lower it.



- 3** Use the wrench to fasten the keeper nut by turning it to the right.



CAUTION

- Do not overtighten the door adjustment screw. The hinge pin can be pulled out and the adjustable range of height is a maximum of 1/8" (3 mm).

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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 certified 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

- If the refrigerator is connected to water, 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 toward the wall, leaving adequate clearance.

Start the Icemaker

- If the water line is connected, turn the icemaker on.
 - To turn the icemaker on, refer to Control Panel in the Operation section.
- 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 has been turned ON.