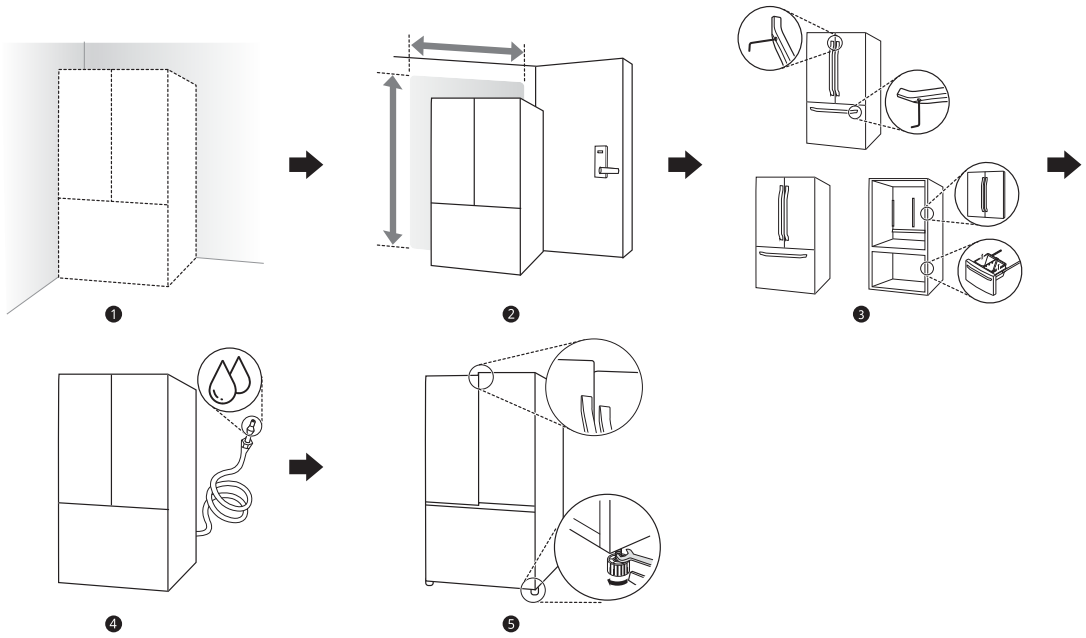
INSTALLATION

Before Installing

Installation Overview

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



❶ Unpacking the Refrigerator

❷ Choosing the Proper Location

❸ Disassembling/Assembling

❹ Connecting the Water Line

❺ 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 or 138 - 827 kPa or 1.4 - 8.4 kgf/cm^2. If the refrigerator is installed in an area with low water pressure (below 20 psi or 138 kPa or 1.4 kgf/cm^2), 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.

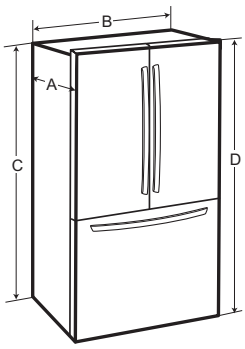
Ambient Temperature

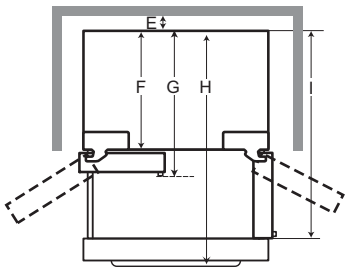
Install this appliance in an area where the temperature is between 55 °F (13 °C) and 110 °F (43 °C).

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, 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 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.





-	Dimension/Clearance	LRFWS2906* LRMWS2906*
A	Depth without Handle	33 3/4" (857 mm)
B	Width	35 3/4" (908 mm)
C	Height to Top of Case	68 1/2" (1737 mm)
D	Height to Top of Hinge	69 3/4" (1772 mm)
E	Back Clearance	2" (50 mm)
F	Depth without Door	29 7/8'' (759 mm)
G	Depth with Handle	36 1/4" (921 mm)
H	Depth (Total with Freezer Drawer Open)	57 5/8'' (1461 mm)
I	Depth (Total with Door Open 90°)	48 5/8'' (1234 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 assembled handles: 3/32", 1/8" and 1/4" Allen wrenches
  - Units shipped with disassembled handles: 3/32" and 1/4" Allen wrenches only

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.

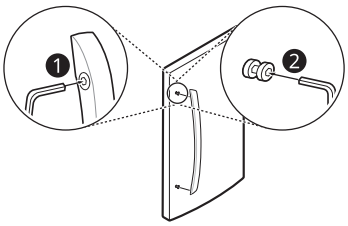
⚠ CAUTION

- 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 ❶ with a 3/32 in. Allen wrench and remove the handle.

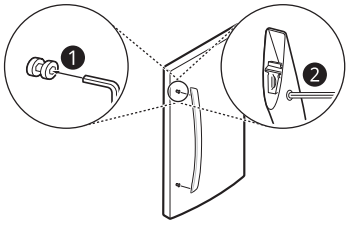
2. If needed, loosen the mounting fasteners ❷ that connect the refrigerator door and handle using a 1/4 in. Allen wrench, and remove the mounting fasteners.



Assembling Refrigerator Handles

1. If needed, reassemble the mounting fasteners ❶ on the door with a 1/4 in. Allen wrench.

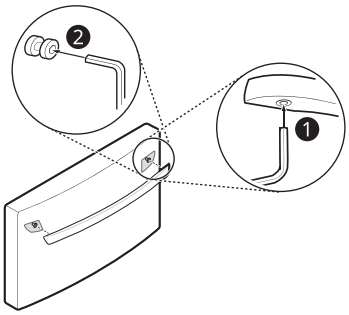
2. Place the handle on the door by fitting the handle footprints over the mounting fasteners and tightening the set screws ❷ with a 3/32 in. Allen wrench.



Removing Freezer Drawer Handles

1. Loosen the set screws ❶ located on the lower side of the handle with a 1/8 in. Allen wrench and remove the handle.
   - For models shipped with the handles disassembled, use a 3/32 in. Allen wrench.

2. Loosen the mounting fasteners ❷ with a 1/4 in. Allen wrench, and remove the mounting fasteners.

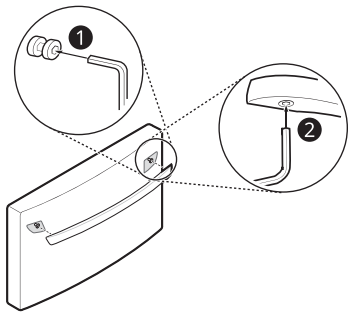


Assembling Freezer Drawer Handles

1. Assemble the mounting fasteners ❶ at both ends of the handle 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 ❷ with a 1/8 in. Allen wrench.

- For models shipped with the handles disassembled, use a 3/32 in. Allen wrench.



Removing/Assembling Doors and Drawers

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.

⚠ WARNING

- Use two or more people to remove and install the refrigerator doors and freezer drawer.
- 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 and drawer.
- Do not hold the handle when removing or replacing the doors and drawer as the handle may come off.

- Tools Needed
  - Phillips screwdriver
  - Flat-head screwdriver

Removing the Left Refrigerator Door

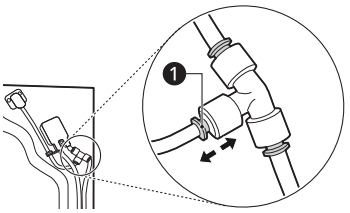
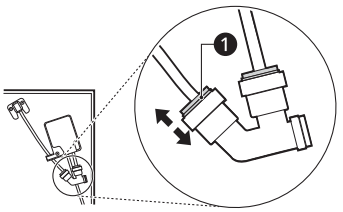
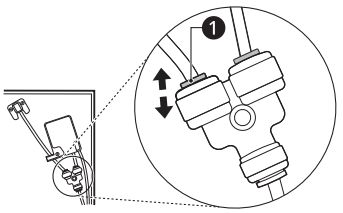
NOTE

- The number of wire harnesses may vary depending on the model.

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 ❶ to detach the water supply line as shown.

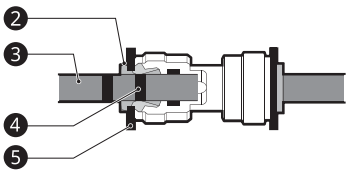
- Connections may vary by model.

† This feature is only available on some models.

Type A†	
Type B†	
Type C†	

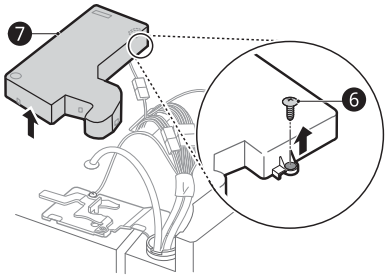
NOTE

- Disassembling/Assembling the Water Lines

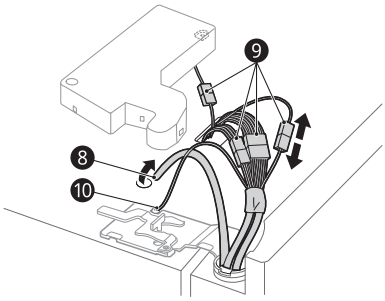


❷ Collet ❸ Tube ❹ Insert line ❺ Clip

2 Remove the screw ❻ 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 ❼ with a flat-head screwdriver.



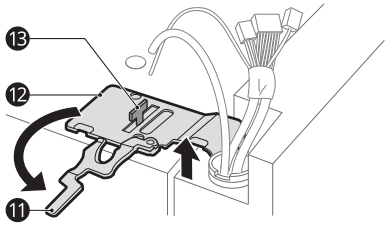
3 Remove the cover and pull out the tube ❽. Disconnect all wire harnesses ❾. Unscrew the ground wire ❿.



4 Rotate the hinge lever ⓫ counterclockwise. Lift the top hinge ⓬ free of the hinge lever latch ⓭.

⚠ CAUTION

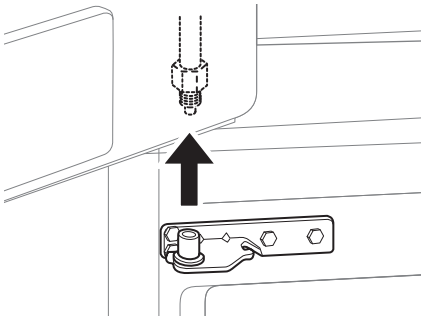
- When lifting the hinge free of the latch, be careful that the door does not fall forward.



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

⚠ CAUTION

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

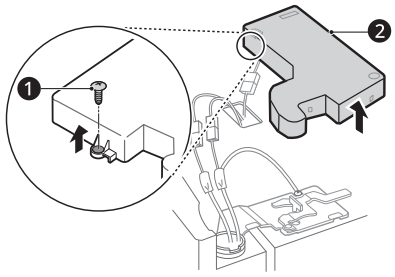


Removing the Right Refrigerator Door

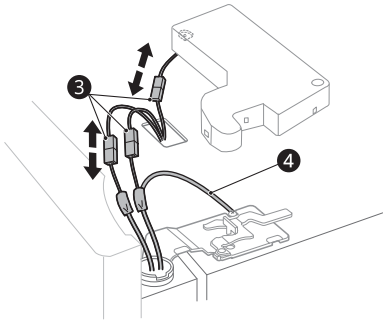
NOTE

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

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



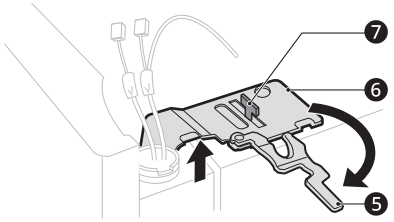
2 Detach all the wire harnesses ❸. Unscrew the ground wire ❹.



3 Rotate the hinge lever ❺ clockwise. Lift the top hinge ❻ free of the hinge lever latch ❼.

⚠ CAUTION

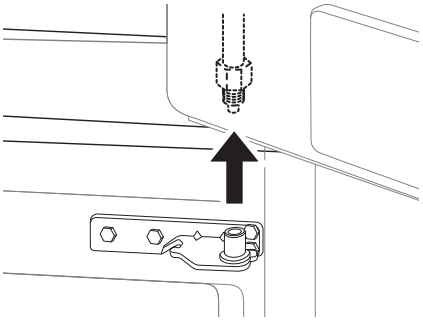
- When lifting the hinge free of the latch, be careful that the door does not fall forward.



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

⚠ CAUTION

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



Removing the Freezer Drawer

⚠ WARNING

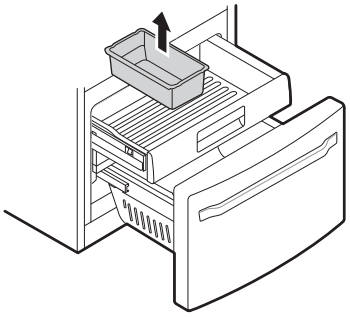
- Use two or more people to remove and install the refrigerator doors and freezer drawer.
- Be careful of sharp hinges on both sides of the drawer.
- When you lay the drawer down, be careful not to damage the floor.
- Do not sit or stand on the freezer drawer.
- To prevent accidents, keep children and pets away from the drawer. Do not leave the drawer open. If the Durabase® storage bin is removed from the freezer drawer, there is sufficient space for a small child or pet to crawl inside.

NOTE

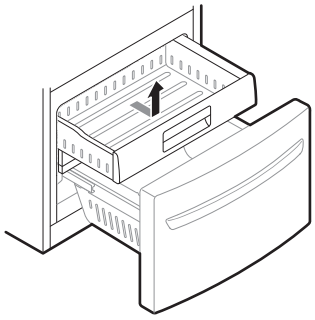
- For models with two freezer drawers, remove the second freezer drawer in the same way.

1 Pull the drawer open to full extension.

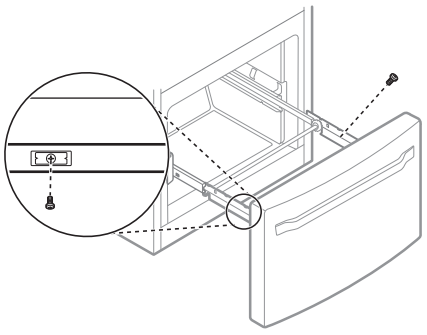
2 Gently lift and pull out the ice bin.



3 Lift the front of the drawer up, then pull it straight out.



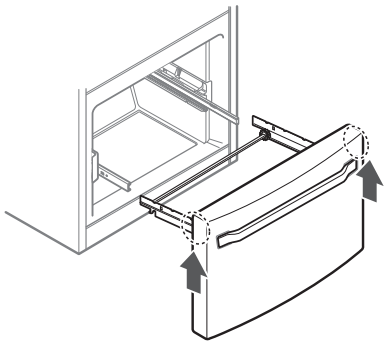
4 Remove the Durabase basket from the rails. Remove the screws from the rails at both ends.



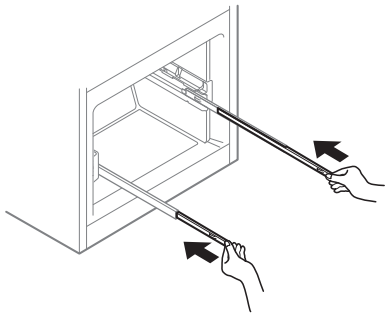
5 Grip both sides of the drawer and pull it up to remove it from the rails.

⚠ CAUTION

- Do not hold the handle when removing or replacing the drawer. The handle may come off, causing personal injury.



6 Hold both rails and push them in simultaneously.

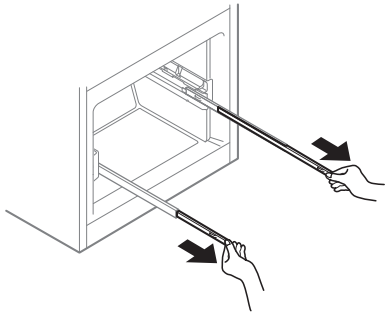


Assembling the Freezer Drawer

NOTE

- For models with two freezer drawers, assemble the second freezer drawer in the same way.

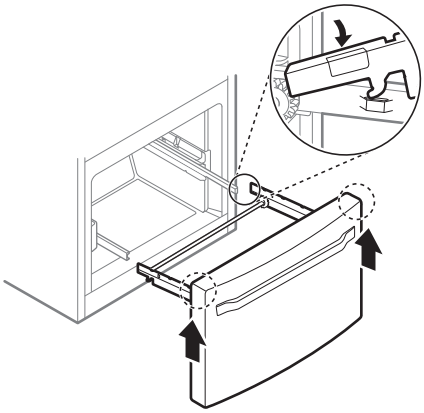
1 Pull out both rails simultaneously, until they are fully extended.



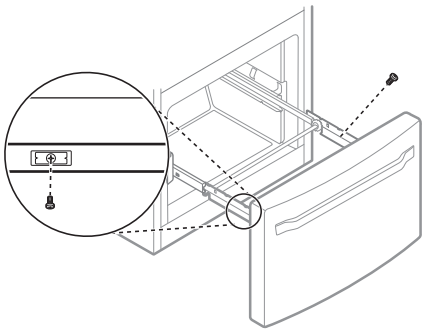
2 Grasp the drawer on each side and hook the drawer supports into the rail tabs located on both sides.

⚠ CAUTION

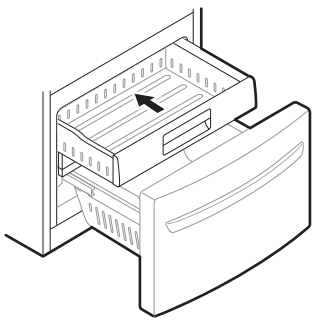
- Do not hold the handle when removing or replacing the drawer. The handle may come off, causing personal injury.



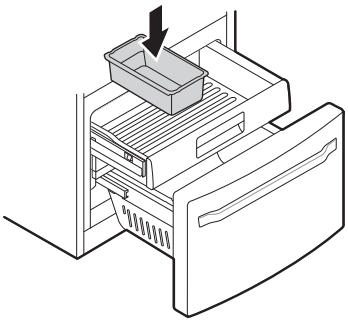
3 Lower the door into its final position and insert the screws in the rails on both sides.



4 Insert the drawer into the frame, and push the drawer back until it clicks into place.



5 Replace the ice bin in the drawer. Insert the Durabase basket in the rail assembly.



Assembling the Right Refrigerator Door

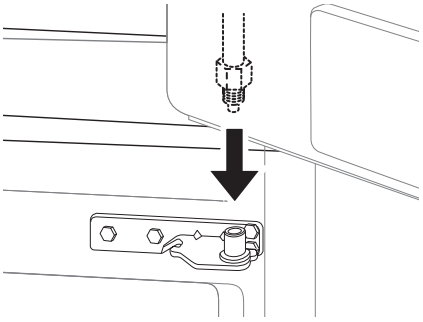
⚠ CAUTION

- Install the right-side door first.

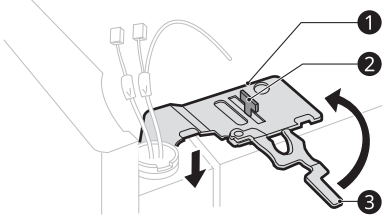
NOTE

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

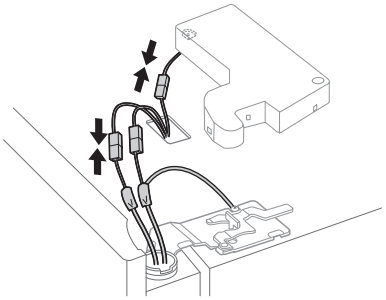
1 Make sure that the plastic sleeve is inserted in the bottom of the door. Lower the door onto the middle hinge pin as shown in the figure.



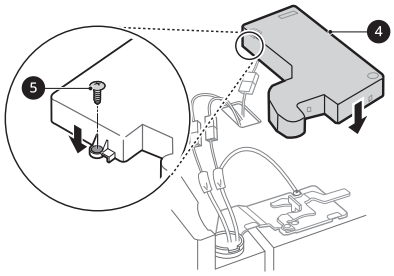
2 Fit the hinge ❶ over the hinge lever latch ❷ and slot it into place. Rotate the lever ❸ counterclockwise to secure the hinge.



3 Connect all the wire harnesses and the ground screw.



4 Set the hinge cover ❹ in place. Insert and tighten the cover screw ❺.



Assembling the Left Refrigerator Door

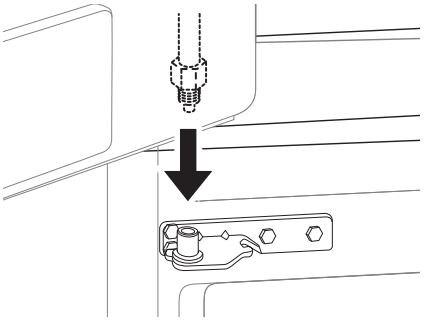
⚠ CAUTION

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

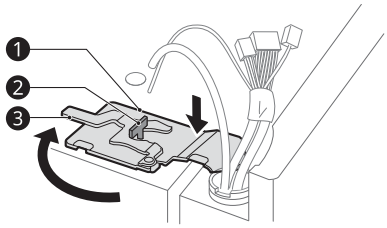
NOTE

- The number of wire harnesses may vary depending on the model.

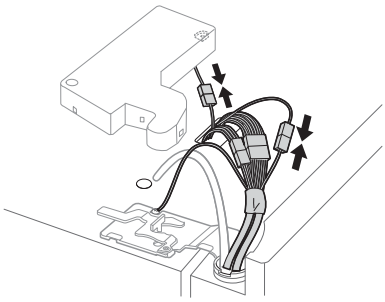
1 Make sure that the plastic sleeve is inserted in the bottom of the door. Install the refrigerator door onto the middle hinge.



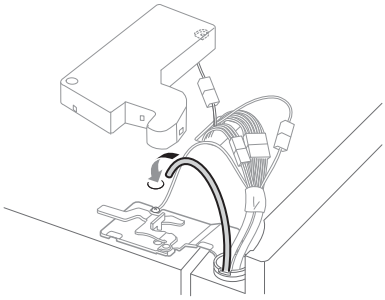
2 Fit the hinge ❶ over the hinge lever latch ❷ and slot it into place. Rotate the lever ❸ clockwise and fasten the hinge.



3 Connect all the wire harnesses and the ground screw.



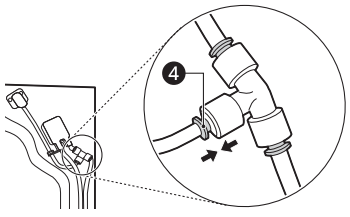
4 Push the water supply tube into the hole on the top case and pull it through the backplate.

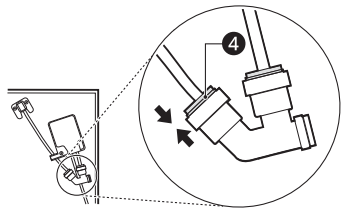
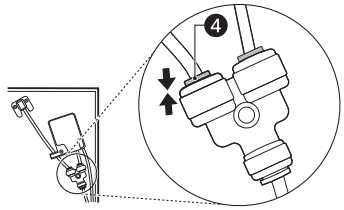


5 Hold the water supply connection and gently push in the collet ❹ to connect the water supply line as shown. Insert the tube at least 5/8 inch (15 mm) into the connector. Insert the clip on the joint to fasten the tube in place.

- Connections may vary by model.

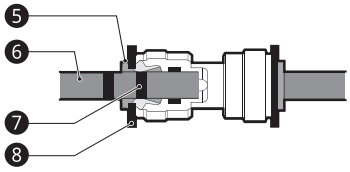
† This feature is only available on some models.

Type A†	

Type B†	
Type C†	

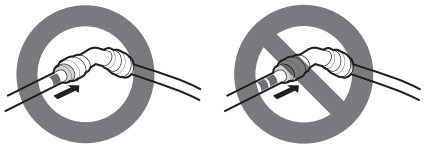
NOTE

- Disassembling/Assembling the Water Lines

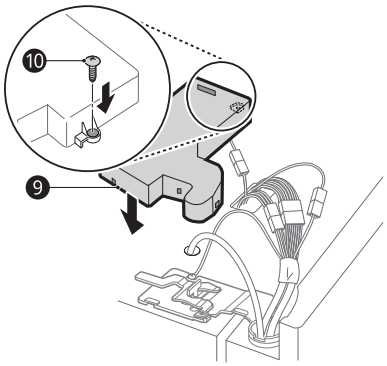


❺ Collet ❻ Tube ❼ Insert line ❽ Clip

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



6 Set the cover ❾ in place. Insert and tighten the cover screw ❿.



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 (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

You will need a cold water supply.

Water Pressure

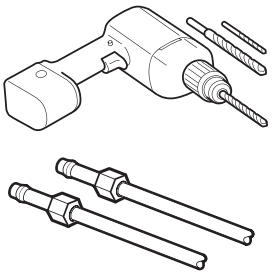
- **Models with water filter:**
  - 20 - 120 psi (138 - 827 kPa)
- **Where reverse osmosis water filtration system is connected to a cold water supply:**
  - 40 - 60 psi minimum to reverse osmosis system (2.8 kgf/cm^2 - 4.2 kgf/cm^2, or less than 2 - 3 seconds to fill a cup of 7 oz capacity)

If the water pressure from the reverse osmosis system is less than 20 psi or 138 kPa or 1.4 kgf/cm^2 (takes more than 4 seconds to fill a cup of 7 oz or 198 cc capacity):

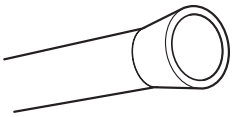
- Check to see if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If the water pressure remains low, call a licensed, qualified plumber.
- All installations must be in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

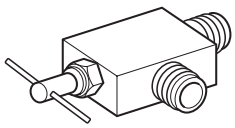


- If your existing copper water line has a flared fitting at the end, purchase an adapter (available at plumbing supply stores) to connect the water line to the refrigerator OR cut off the flared fitting with a tube cutter and use a compression fitting.



- 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

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

⚠ WARNING

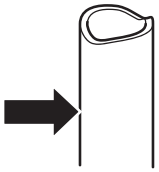
- When using any electrical device (such as a power drill) during installation, be sure the device is battery-powered, double-insulated or grounded in a manner that will prevent the hazard of electric shock.

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.

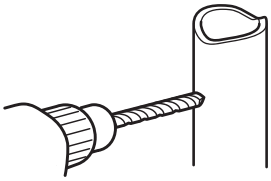


3 Drill the hole for the valve.

- Drill a ¼ 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 diameter. Failure to drill a ¼ 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.

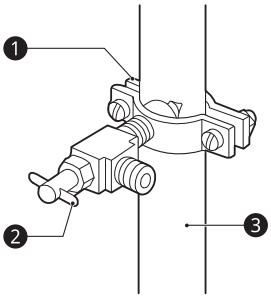


4 Fasten the shutoff valve.

- 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.



❶ Pipe Clamp

❷ Saddle-Type Shutoff Valve

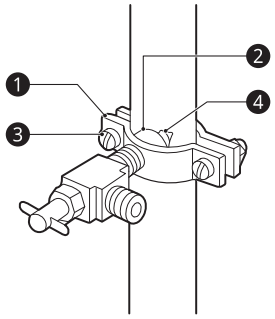
❸ Vertical Cold Water Pipe

5 Tighten the pipe clamp.

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

NOTE

- Do not over tighten the clamp or you may crush the tubing.



❶ Pipe Clamp

❷ Inlet End

❸ Clamp Screw

❹ Washer

6 Route the tubing.

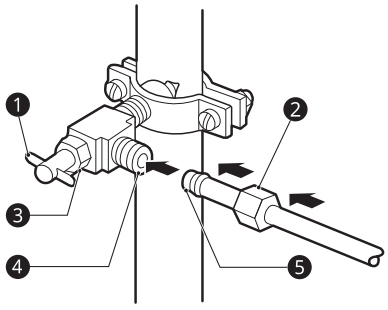
- Route the tubing between the cold water line and the refrigerator. Route the tubing through a hole drilled in the wall or floor (behind the refrigerator or adjacent base cabinet) as close to the wall as possible.

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.



❶ Saddle-Type Shutoff Valve

❷ Compression Nut

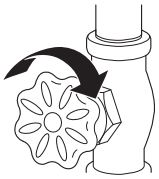
❸ Packing Nut

❹ Outlet Valve

❺ Ferrule (sleeve)

8 Flush out the tubing.

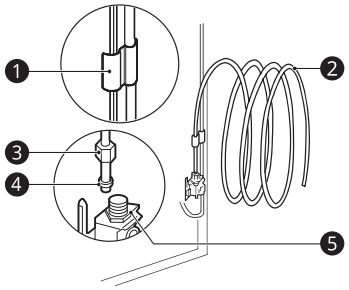
- Turn the main water supply on and flush out the tubing until the water is clear. Shut the water off at the water valve after about one quart of water has been flushed through the tubing.



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 flexible plastic 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.



❶ Tubing Clamp

❷ ¼ in. Tubing

❸ ¼ in. Compression Nut

❹ Ferrule (sleeve)

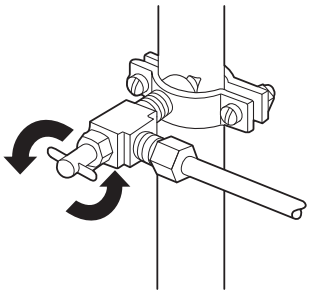
❺ Refrigerator Connection

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.
- 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

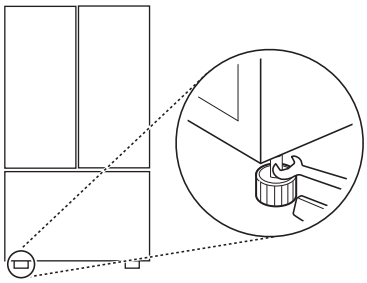
Leveling

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

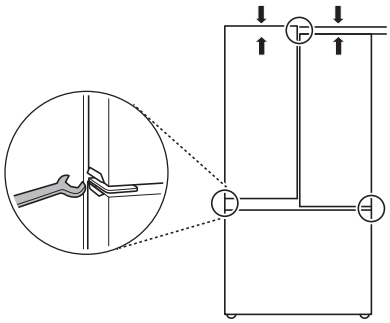
The door alignment method may differ depending on the model.

Refrigerator Type A

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 even after the door bins are filled, 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. Turn the nut to the right to raise the door or to the left to lower it.



Refrigerator Type B

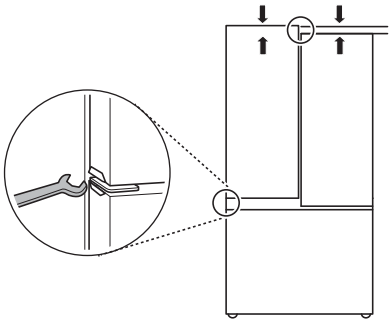
Left Refrigerator Door

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 left door:

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

the height. Turn the nut to the right to raise the door or to the left to lower it.



Right Refrigerator Door

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 Lift up both the inner and outer door sections of the right door to raise them at the middle hinge. (It may be easier to lift them with the doors open.)

2 While the door is lifted, have an assistant insert the snap ring on the middle hinge. The snap ring may differ depending on the model.

- Snap ring type A



Use pliers to insert the snap ring on the middle hinge of the inner door section as shown. Insert additional snap rings until the right door is aligned.

- Snap ring type B

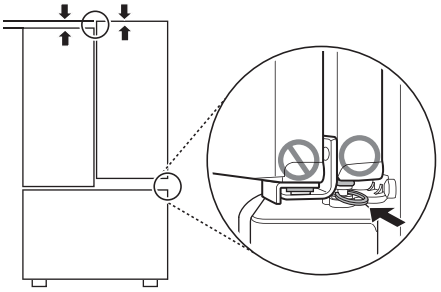


Insert only one snap ring on the middle hinge of the inner door section as shown. Three snap rings of different thicknesses will be provided.

  - If a snap ring is already inserted on the middle hinge, remove the snap ring before inserting a new snap ring.

⚠ CAUTION

- The door is heavy. To avoid injury, use two or more people to lift and align the refrigerator door.
- Small parts are a swallowing hazard for small children. Keep snap rings out of the reach of children.
- Do not insert the snap ring on the hinge of the outer door section.



NOTE

- The number of freezer drawers may vary depending on the model.

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

- 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.

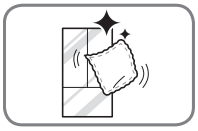
Start the Icemaker

- 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.

OPERATION

Before Use

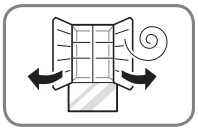
Checklist



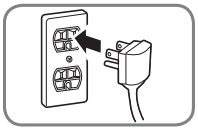
Clean the refrigerator.
Clean the refrigerator thoroughly and wipe off all dust that accumulated during shipping.

⚠ CAUTION

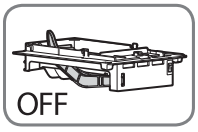
- Do not scratch the refrigerator with a sharp object or use a detergent that contains alcohol, a flammable liquid or an abrasive when removing any tape or adhesive from the refrigerator. Remove adhesive residue by wiping it off with your thumb or dish detergent.
- Do not peel off the model or serial number label or the technical information on the rear surface of the refrigerator.



Open refrigerator doors and freezer drawers to ventilate the interior.
The inside of the refrigerator may smell like plastic at first. Remove any adhesive tape from inside the refrigerator and open the refrigerator doors and the freezer drawers for ventilation.



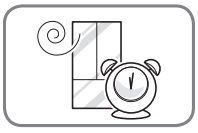
Connect the power supply.
Check if the power supply is connected before use.



Turn off the icemaker.
Turn off the icemaker if the refrigerator is not yet connected to the water supply.

NOTE

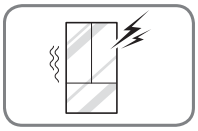
- The icemaker water valve may buzz if the icemaker is turned on while the refrigerator is not connected to the water supply.



Wait for the refrigerator to cool.
Allow the refrigerator to run for at least two to three hours before putting food in it. Check the flow of cold air in the freezer compartment to ensure proper cooling.

⚠ CAUTION

- Putting food in the refrigerator before it has cooled could cause the food to spoil, or a bad odor to remain inside the refrigerator.



The refrigerator makes a loud noise after initial operation.
This is normal. The volume will decrease as the temperature decreases.