

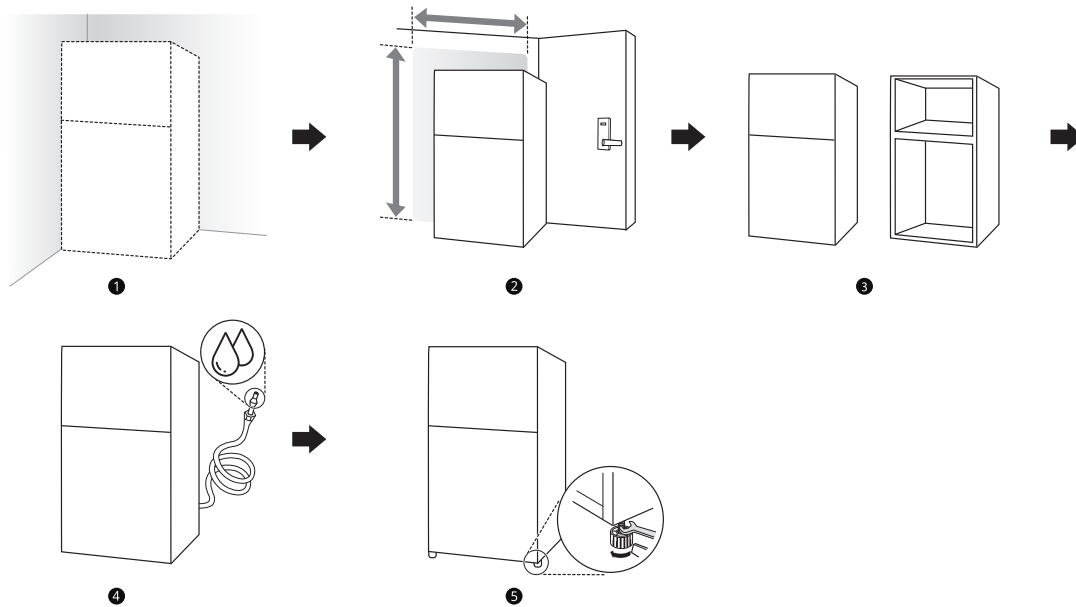
INSTALLATION

Before Installing

Installation Overview

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

ENGLISH



- 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.

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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 the 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.

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.

NOTE

- The water pressure must be 20 - 125 psi (138 - 862 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.

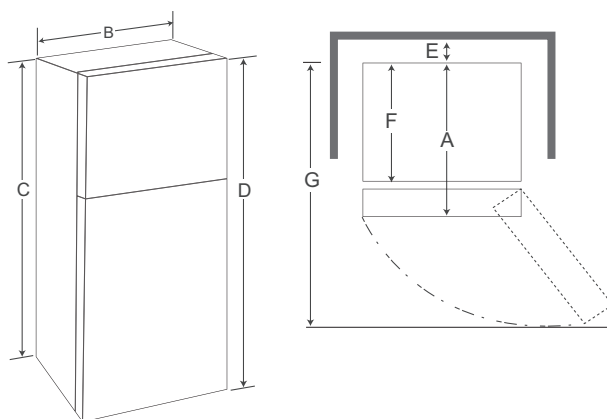
Ambient Temperature

Install this appliance in an area where the temperature is between 38 °F (3 °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.

- If an opening is too narrow to fit the refrigerator through, remove the refrigerator doors. See Removing/Assembling 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.



-	Dimensions/Clearances	LT18S2100* LT18S1100*
A	Depth without Handle	33 1/2" (851 mm)
B	Width	27 1/2" (700 mm)
C	Height to Top of Case	64" (1625 mm)
D	Height to Top of Hinge	65" (1650 mm)
E	Back Clearance	2" (50 mm)
F	Depth without Door	29 1/2" (750 mm)
G	Depth (Total with Door Open 90°)	58" (1474 mm)

Removing/Assembling Doors

The method for removing/assembling the door may differ depending on the model.

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.
- 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

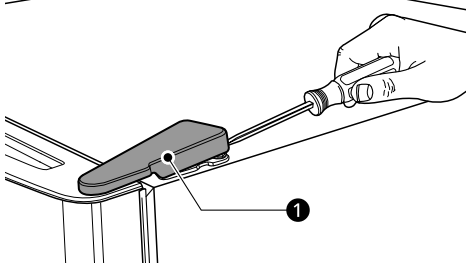
- Flat-head screwdriver
- Phillips screwdriver
- Adjustable wrench
- 1/4 in. Hex socket wrench

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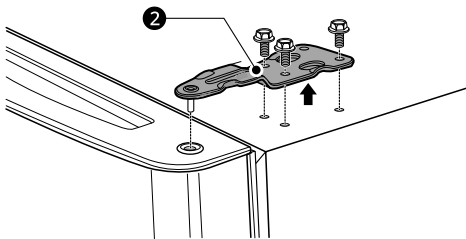
- 3/8 in. Hex socket wrench
- 10 mm Hex socket wrench
- 1/4 in. Hex Key Wrench

Removing the Freezer Door

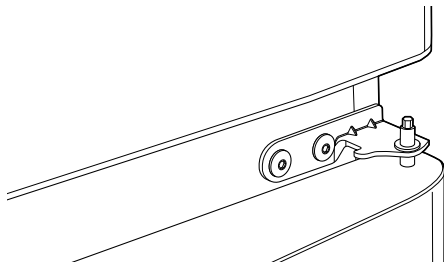
- 1 Gently pry off the top hinge cover ❶ with a flat-head screwdriver and remove it.



- 2 Using 10 mm or 3/8 inch socket wrench, remove the three bolts and lift the top hinge ❷. Set parts aside.

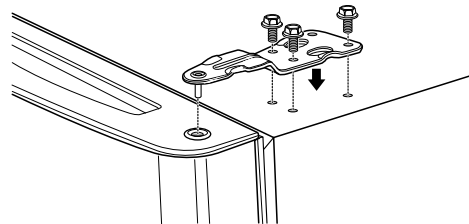


- 3 Lift freezer door slightly and remove it.

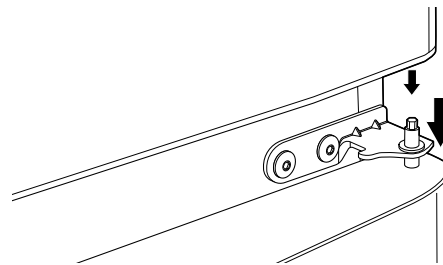


Assembling the Freezer Door

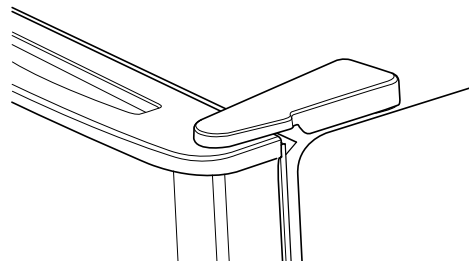
- 1 Set the freezer door onto the middle hinge pin.



- 2 Place the top hinge on top of the freezer door and line up the hinge with the holes on top of the refrigerator. Use the three bolts to fasten the hinge.

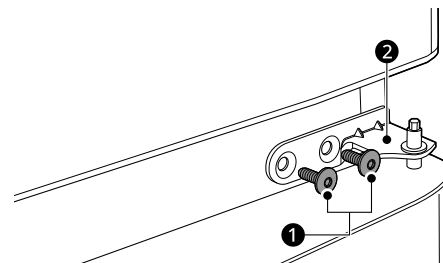


- 3 Carefully snap the top hinge cover back into place over the hinge.

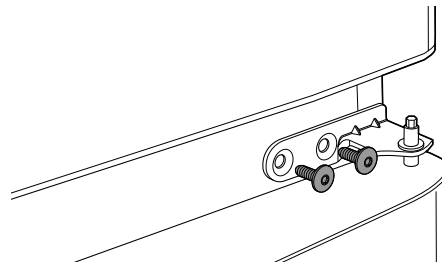
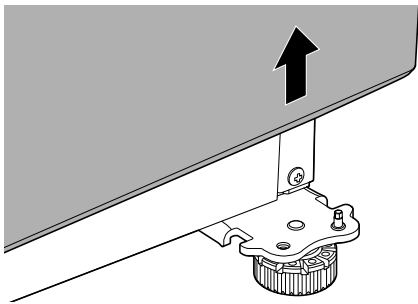


Removing the Refrigerator Door

- 1 Loosen and remove the two bolts ❶ from the middle hinge bracket ❷ and remove it from the refrigerator housing. Set parts aside.

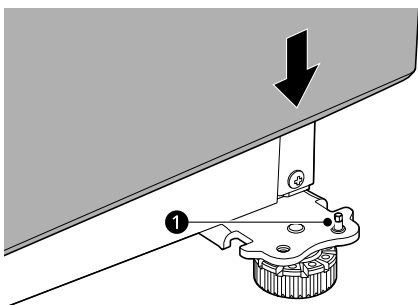


- 2 Lift up the refrigerator door slightly and remove it. Set the door aside on a non-scratching surface.

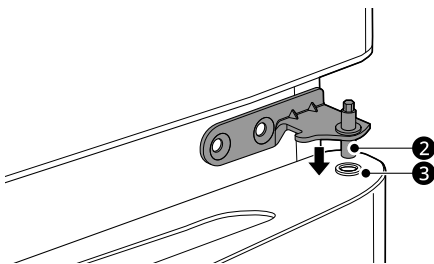


Assembling the Refrigerator Door

- 1 Set the refrigerator door on the bottom hinge pin ①.



- 2 Place the middle hinge pin ② inside the hinge pin sleeve ③ on the top of the refrigerator door.



- 3 Hold the door in place and line up the hinge with the holes in the refrigerator housing.
- 4 Use the two bolts and the screw to reattach the middle hinge bracket to the refrigerator housing.

Reversing Doors and Leveling

Reversing Doors

This feature is only available on some models.

The method for reversing the door may differ depending on the model.

The appliance is designed with reversible doors that can be assembled to open from either the left or right side to suit your kitchen design.

Door reversal must be done by an authorized installer or service person. If it is not, any damage caused by improperly installed doors will not be covered by the warranty.

⚠ WARNING

- Use two or more people to remove and install the refrigerator doors.
- Disconnect the electrical supply to the refrigerator before installing.

⚠ CAUTION

- 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.
- When reassembling the bottom and middle hinge pins, make sure the pins are completely assembled and securely tightened to avoid the door coming loose.

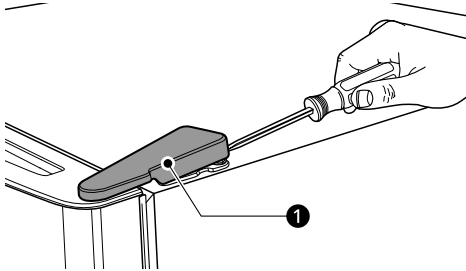
• Tools Needed

- Flat-head screwdriver
- 1/4 in. Hex socket wrench
- 3/8 in. Hex socket wrench
- 1.4 in. Hex key wrench
- Adjustable wrench

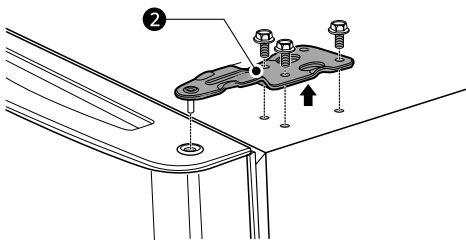
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Removing the Freezer Door

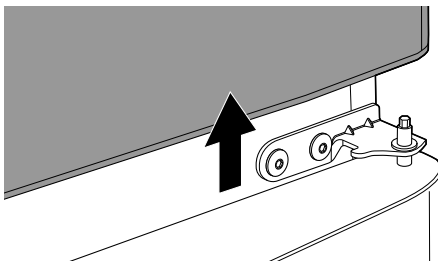
- 1 Gently pry off the top hinge cover ① with a flat-head screwdriver and remove it.



- 2 Use 10 mm or 3/8 inch socket wrench, remove the three bolts and lift off the top hinge ②. Set parts aside.



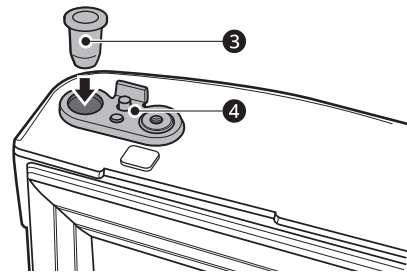
- 3 Lift freezer door slightly and remove it.



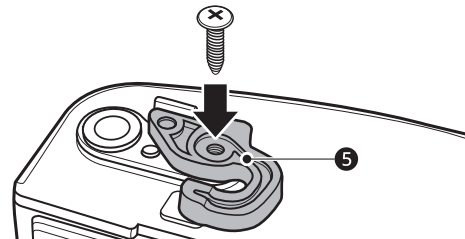
- 4 Turn the freezer door upside down on a non-scratching surface. Loosen the screw to remove the hinge lever and hinge pin sleeve.

- 5 Move the middle hinge bracket to the other side of the door, keeping the same orientation.

- 6 Move the hinge pin sleeve ③ into the hole on the left side of the bracket ④.



- 7 Reverse the hinge lever ⑤ by flipping it over. Place it on top of the bracket and tighten both down with the screw.



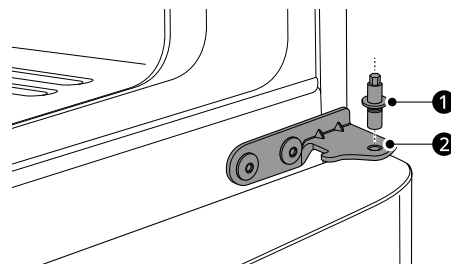
- 8 Set the freezer door to the side.

Removing the Refrigerator Door

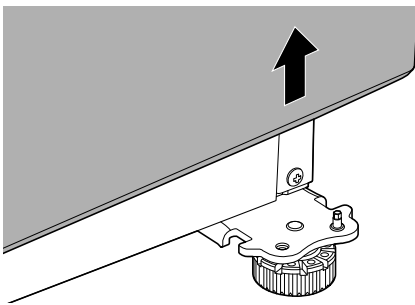
- 1 Using a 1/4 in. socket wrench, loosen and remove the middle hinge pin ① from the middle hinge bracket ②.

⚠ CAUTION

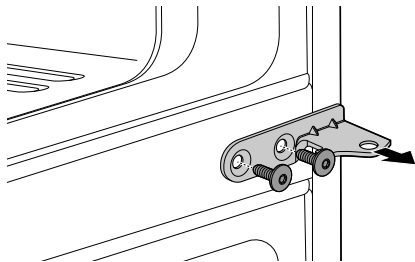
- When lifting the hinge pin, be careful that the door does not fall forward.



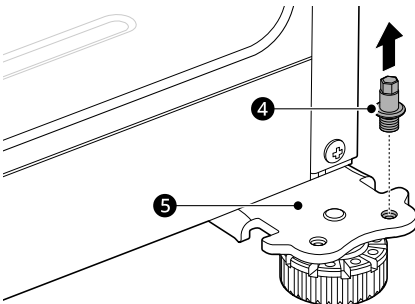
- 2 Slightly lift the refrigerator door and remove it.



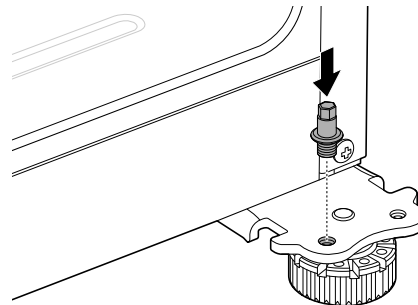
- 3** Loosen the 2 bolts and the Phillips head screw and remove the middle hinge bracket from the refrigerator housing. Set the parts aside.



- 4** Using a 1/4 in. socket wrench, loosen and remove the bottom hinge pin **4** from the bottom hinge bracket **5**. Remove the washer from the bottom hinge pin and set it aside.



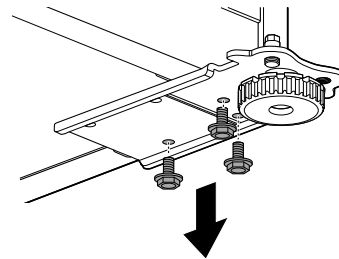
- 5** Reattach the bottom hinge pin to the opposite side of the bottom hinge bracket.



- 6** Using a 3/8 in. socket wrench with a 2-inch extension, loosen the 2 bolts on the bottom hinge bracket. Use a Phillips screwdriver to loosen the screw.

CAUTION

- Be careful that the refrigerator does not fall forward if the model purchased has the leveler attached to the bottom hinge bracket.



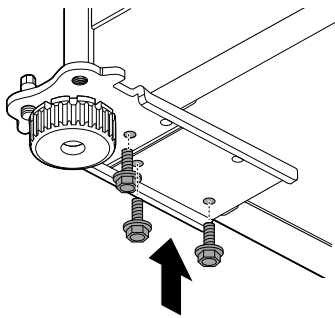
- 7** Remove the bottom hinge bracket from the right side of the housing.

Assembling the Reversed Refrigerator Door

This feature is only available on some models.

- 1** Move the bottom hinge bracket to the left side of the housing, keeping the same orientation, and reattach with the two bolts and one screw.

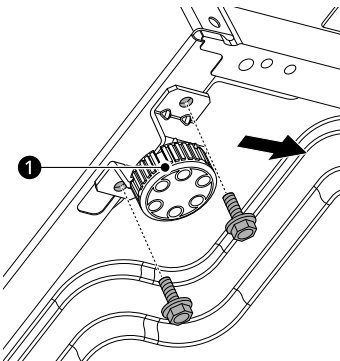
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NOTE

- The flat screw must be placed on the exterior side of the hinge.
- Disassemble the leveler before moving the bottom hinge bracket.

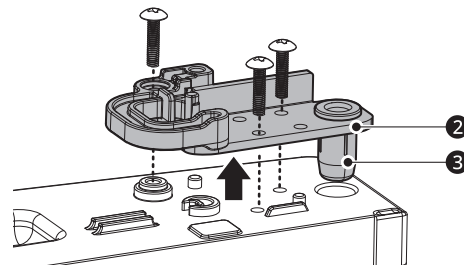
- 2 To move the leveler ① to the opposite side, lift the front of the refrigerator. Remove the leveler by turning it clockwise and attach it to the opposite side by turning it counterclockwise.



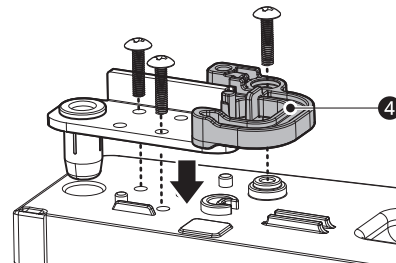
NOTE

- The leveler is only present on some models.

- 3 Move the decorative screws to the holes on the bottom right side of the housing.
- 4 Turn the refrigerator door upside down on a non-scratching surface.
- 5 Loosen the three screws to remove the bracket ② and the hinge pin sleeve ③.



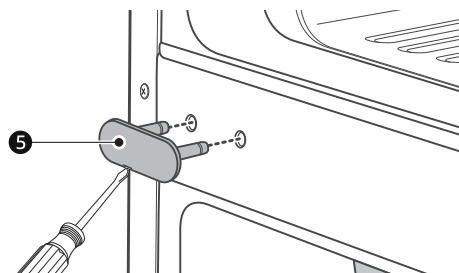
- 6 Move the bracket to the opposite side of the door and insert the hinge pin sleeve. Reverse the hinge lever ④ by flipping it over. Place it on top of the bracket, and tighten both down with the screw. Then insert the remaining 2 screws to tighten the bracket to the refrigerator door.



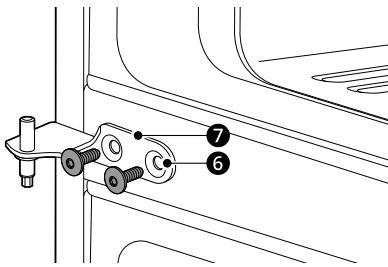
NOTE

- The hinge lever is only present on some models.

- 7 With a flat-head screwdriver, carefully pry off and remove the decorative cover ⑤ over the screw holes on the left side of the refrigerator housing.

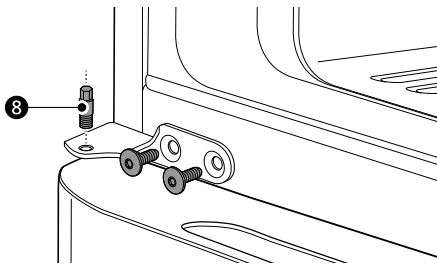


- 8 Flip the middle hinge bracket ⑥. (The flange ⑦ will now be on top.) Position it on the left side of the refrigerator and reattach it with two bolts and a Phillips-head screw.



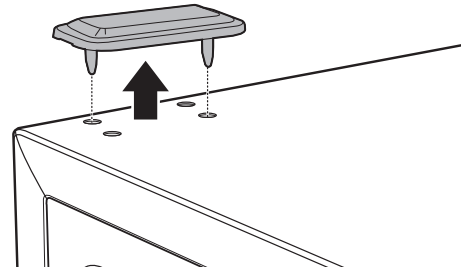
- 9** Place the refrigerator door down over the bottom hinge pin on the bottom hinge bracket.

- 10** Reattach the middle hinge pin **8** to the middle hinge bracket with a 1/4 in. socket wrench.

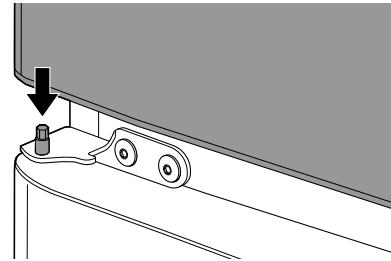


NOTE

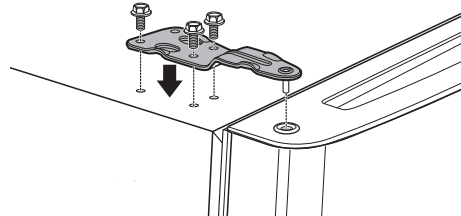
- The bracket has been flipped, but the middle hinge pin stays in the same orientation with its hexagonal end facing upward.



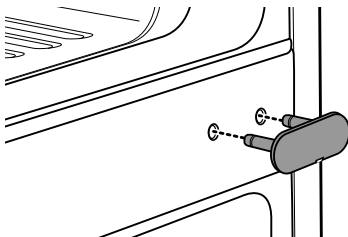
- 2** Place the freezer door down over the middle hinge pin on the middle hinge bracket.



- 3** Place the top hinge on top of the freezer door and line up the top hinge with the holes on top of the refrigerator. Use the three bolts to attach the hinge.



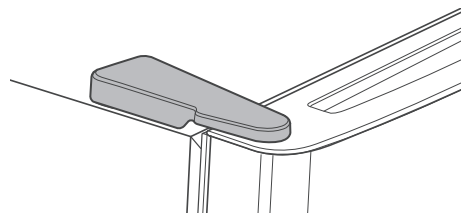
- 11** Insert the decorative screw into the outer hole on the right side of the housing. Attach the decorative cover on the right side. Cover is force-fitted.



Assembling the Reversed Freezer Door

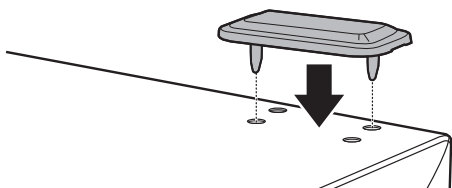
- 1** Pry off the decorative cover on the top left side of the refrigerator to uncover the screw holes.

- 4** Force-fit the top hinge cover over the top hinge.



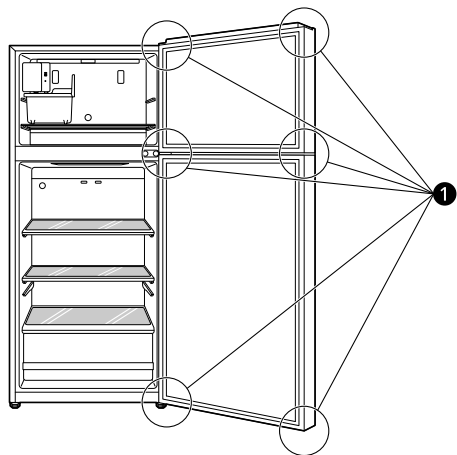
- 5** Insert the decorative cover on the top right of the cabinet to cover the holes. Cover is force-fitted.

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NOTE

- After changing doors, make sure that the corners of the door gaskets are not folded over. To ensure a good seal, apply a small amount of silicon grease on the corners ❶ of the gaskets.



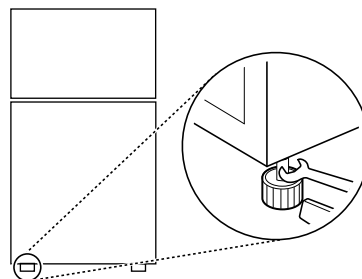
Leveling the Refrigerator

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:

- 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.



- 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.

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 - 125 psi (138 - 862 kPa)

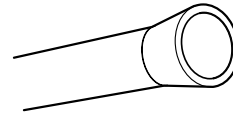
• Where reverse osmosis water filtration system is connected to a cold water supply:

- 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.

- 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.

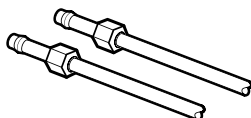


NOTE

- 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.

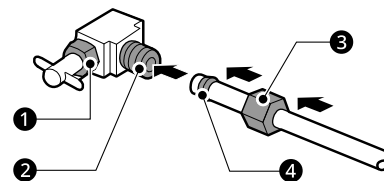
Supplies Needed

- **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.



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.

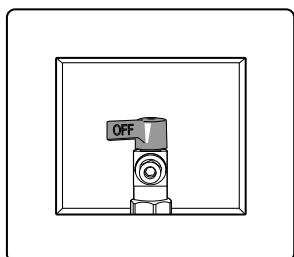


- ❶ Packing Nut
- ❷ Shutoff Valve
- ❸ Compression Nut
- ❹ Ferrule (sleeve)

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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 one quart of water has been flushed through the tubing.



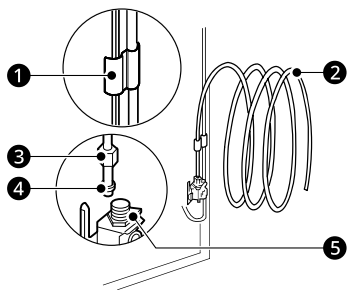
NOTE

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

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.



- ❶ Tubing Clamp
- ❷ ¼ in. Tubing
- ❸ ¼ in. Compression Nut
- ❹ Ferrule (sleeve)
- ❺ 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.

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 toward 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.