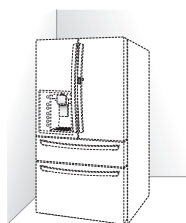


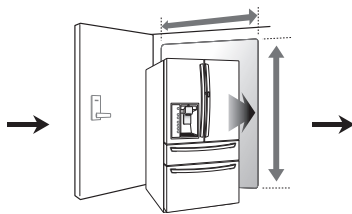
INSTALLATION

Installation Overview

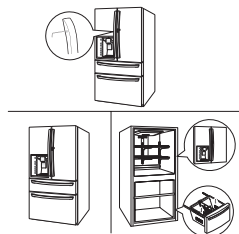
Please read the following installation instructions first after purchasing this product or transporting it to another location.



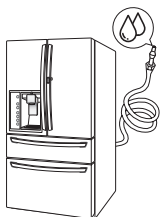
1 Unpacking your refrigerator



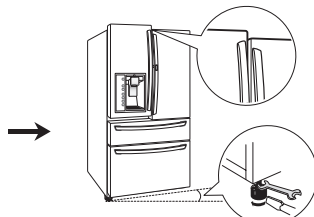
2 Choosing the proper location



3 Disassembling/Assembling



4 Connecting the water supply and water line



5 Leveling and Door Alignment



NOTE

Connect to potable water supply only.

ENGLISH

Specifications

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

Dimensions	35 3/4" (W) X 39 1/8" (D) X 70 1/4" (H), 51" (D w/ door open) 908 mm (W) X 994 mm (D) X 1785 mm (H), 1295 mm (D w/ door open)
Net weight	391 lb. (177 kg)

Unpacking Your Refrigerator



WARNING

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

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

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

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

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

Choosing the Proper Location

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



NOTE

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

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



WARNING

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

Flooring

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



NOTE

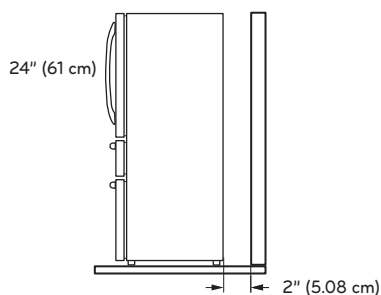
Installing on carpeting, soft tile surfaces, a platform or weakly supported structure is not recommended.

Ambient Temperature

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

Measuring the Clearances

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



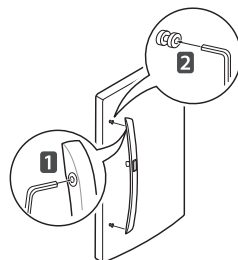
Removing/Assembling the Refrigerator Door Handles

NOTE

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

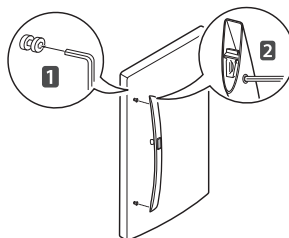
Removing the Handles

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



Assembling the Handles

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

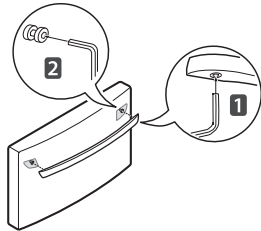


Removing/Assembling the Freezer Drawer Handle

Removing the Handle

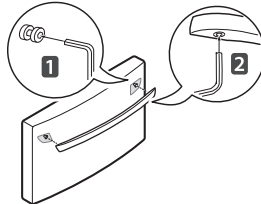
- 1 Loosen the set screws **1** located on the lower side of the handle with a $\frac{1}{8}$ in. Allen wrench and remove the handle.

- 2 Loosen the mounting fasteners **2** that connect to the freezer drawer and handle using a $\frac{1}{4}$ in. Allen wrench, and remove the mounting fasteners.



Assembling the Handle

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



WARNING

When assembling or disassembling the handle:

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

Removing/Assembling the Doors and Drawers

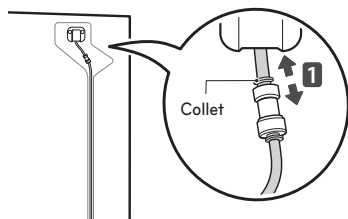
When it is necessary to move the refrigerator through a narrow opening, removing the doors is the recommended procedure.

WARNING

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

Removing the Left Refrigerator Door

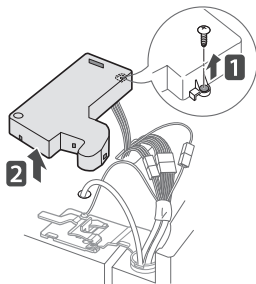
- 1 The water supply is connected to the upper right part of the rear surface of the refrigerator. Remove the ring in the joint area. Hold the water supply connection and gently push the Collet to detach the water supply line as shown in **1**.



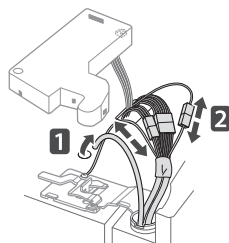
NOTE

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

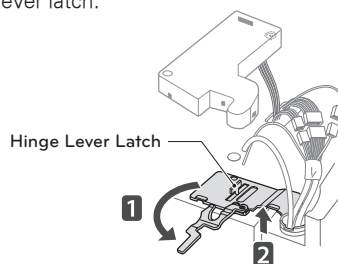
- 2 Remove the **1** screw from the hinge cover at the top of the refrigerator. Lift the hook (not visible), located at the bottom of the front side of the cover **2** with a flat-head screwdriver.



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



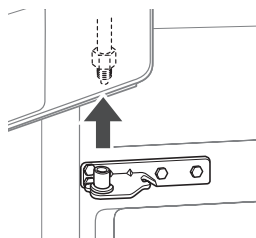
- 4 Rotate the hinge lever counterclockwise **1**. Lift the top hinge **2** free of the hinge lever latch.



CAUTION

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

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

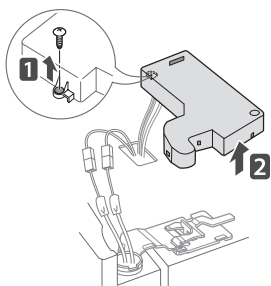


CAUTION

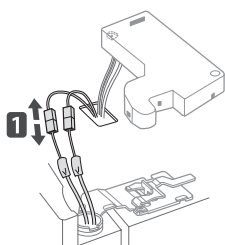
Place the door, inside facing up, on a non-scratching surface.

Removing the Right Refrigerator Door

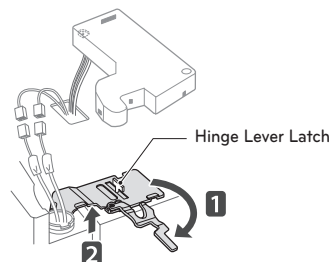
- 1 Remove the top hinge cover screw **1**.
Lift the hook (not visible), located at the bottom of the front side of the cover **2**, with a flat-head screwdriver.



- 2 Detach the wire harness **1**.



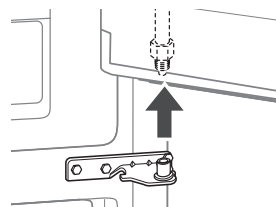
- 3 Rotate the hinge lever **1** clockwise.
Lift the top hinge **2** free of the hinge lever latch.



CAUTION

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

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



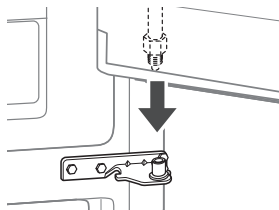
CAUTION

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

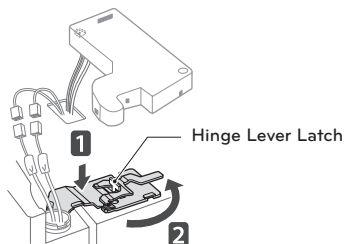
Assembling the Right Refrigerator Door

Install the right-side door first.

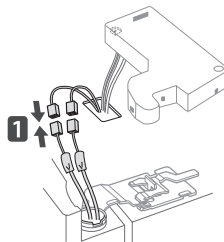
- 1 Make sure that the plastic sleeve is inserted in the bottom of the door. Lower the door onto the middle hinge pin as shown in the figure.



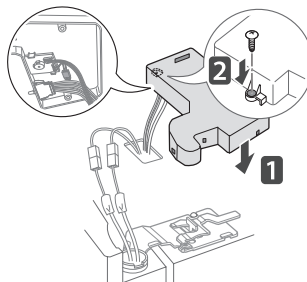
- 2 Fit the hinge **1** over the hinge lever latch and slot it into place. Rotate the lever **2** counterclockwise to secure the hinge.



- 3 Connect the wire harness **1**.



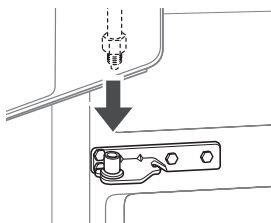
- 4 Make sure that the door-switch located inside the cover is tightly connected. Position the cover in its place. Insert and tighten the cover screw **2**.



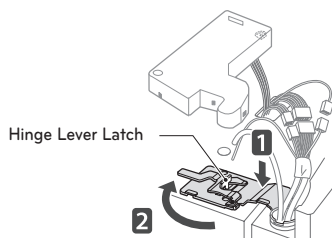
Assembling the Left Refrigerator Door

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

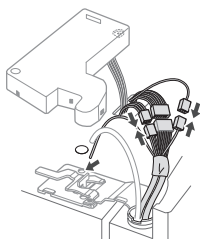
- 1 Make sure that the plastic sleeve is inserted in the bottom of the door. Install the refrigerator door onto the middle hinge.



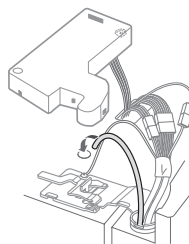
- 2 Fit the hinge **1** over the hinge lever latch and slot it into place. Rotate the lever clockwise **2** and fasten the hinge.



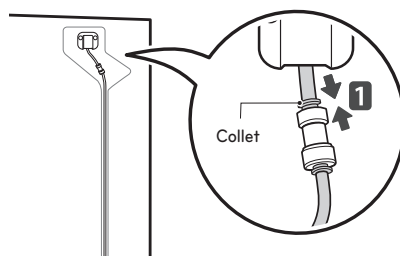
- 3 Connect all the wire harnesses.



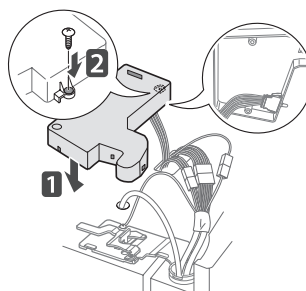
- 4 Push the water supply tube into the hole on the top case and pull it through the backplate.



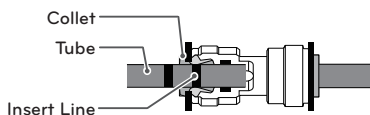
- 5 Hold the water supply connection and gently push in the collet to connect the water supply line as shown in **1**. Insert the tube at least $\frac{5}{8}$ inch (15 mm) into the connector.



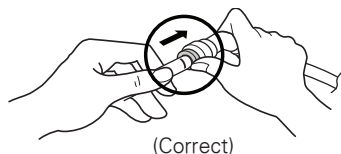
- 6 Make sure that the door-switch located inside the cover is tightly connected. Place the cover **1** in its position and tighten the cover screw **2**.



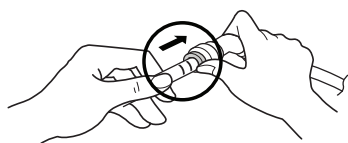
NOTE



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



(Correct)

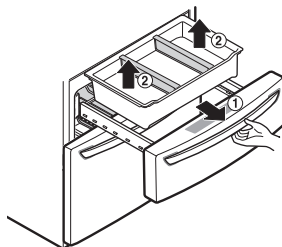


(Incorrect)

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

Removing the CustomChill™ Drawer

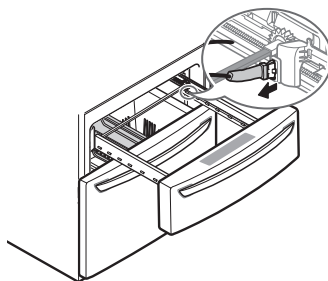
- 1 Pull the drawer open to full extension. Remove the basket by lifting the basket from the rail system.



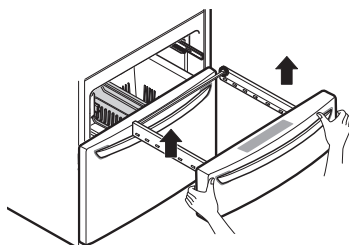
NOTE

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

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

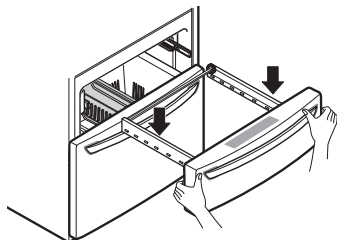


- 3 Hold both sides of the door and lift it to remove it from the rail system.

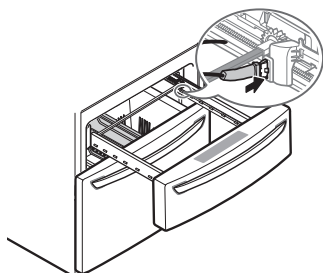


Assembling the CustomChill™ Drawer

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



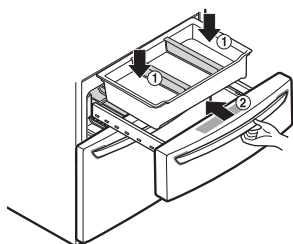
- 2 Reconnect the wire harness to the connection at the end of the right rail by aligning the two ends and pushing them together until you hear a click. The tabs should snap back into place. Tug gently to make sure the connection is secure.



NOTE

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

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



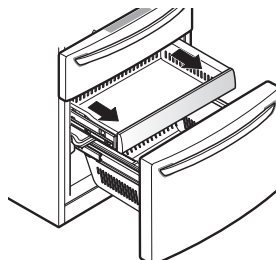
Removing the Freezer Drawer



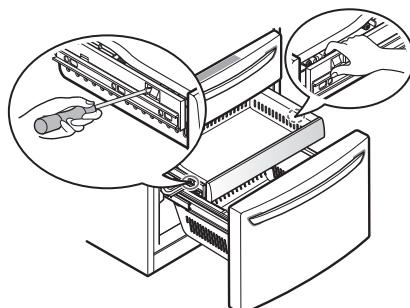
CAUTION

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

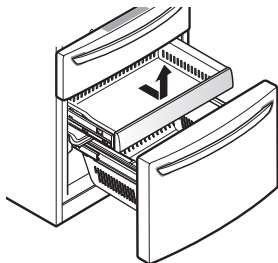
- 1 Pull the freezer drawer open to full extension.
- 2 Remove the top pullout drawer by first pulling the drawer open to full extension.



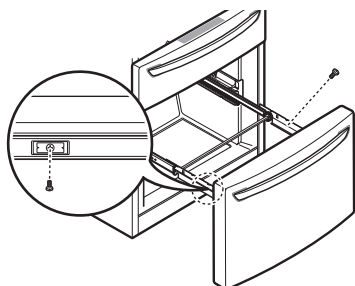
On the left rail, use a flat blade screwdriver to push in on the tab to release the drawer from the rail, as shown below. Once the left side is loose, push the tab on the right side with your finger to release the drawer. Lift the front of the drawer up, then pull it straight out.



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



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

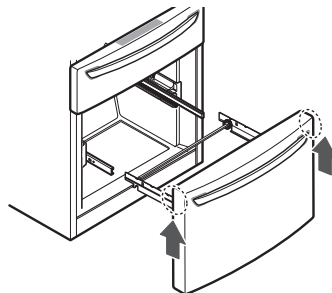


- 5 Remove the screws from the rails at both ends.

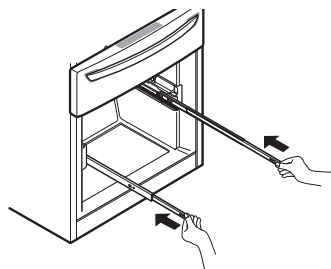
- 6 With both hands, grip both sides of the drawer and pull it up to remove it from the rails.

CAUTION

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

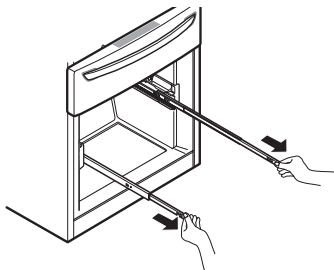


- 7 With both hands, hold each rail and push them in simultaneously.

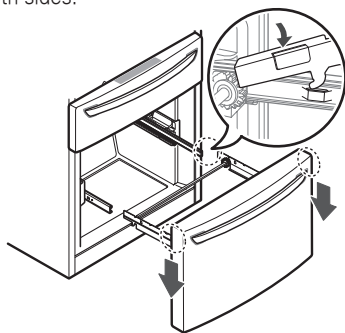


Assembling the Freezer Drawer

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



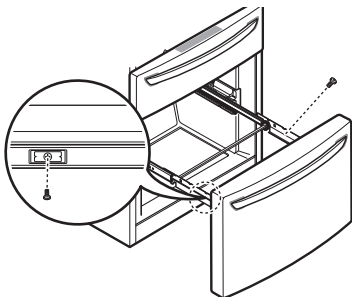
- 2 Grasp the drawer on each side and hook the drawer supports into the rail tabs located on both sides.



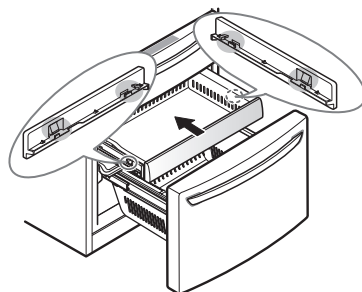
CAUTION

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

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

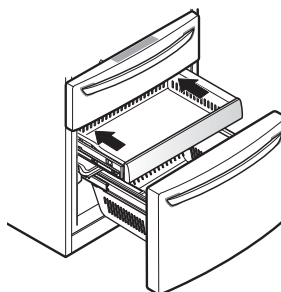


- 4 Insert the the top pullout drawer into the frame, and push the drawer back into place until you hear a click.



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

- 6 Insert the lower basket in the rail assembly.



Connecting the Water Line

Before You Begin

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

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



CAUTION

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

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



CAUTION

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

Water Pressure

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

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

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



CAUTION

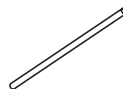
Wear eye protection during installation to prevent injury.

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

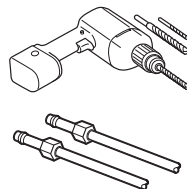
- Check to see if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If the issue concerning water pressure from reverse osmosis remains, call a licensed, qualified plumber.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

What You Will Need

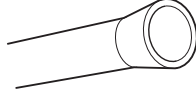
- **Copper Tubing**, ¼ in. outer diameter, to connect the refrigerator to the water supply. Be sure both ends of the tubing are cut square.
- To determine how much tubing you need: measure the distance from the water valve on the back of the refrigerator to the water supply pipe. Then, add 8 feet (2.4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



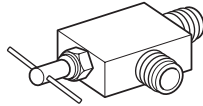
- **Power drill.**
- **½ in. or adjustable wrench.**
- **Flat blade and Phillips head screwdrivers.**
- **Two ¼ in. outer diameter compression nuts and 2 ferrules (sleeves)** to connect the copper tubing to the shutoff valve and the refrigerator water valve.



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



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



NOTE

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

Water Line Installation Instructions



WARNING

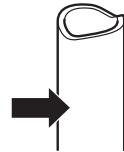
When using any electrical device (such as a power drill) during installation, be sure the device is battery powered, double insulated or grounded in a manner that will prevent the hazard of electric shock.

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

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

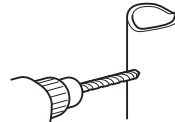
- 2 CHOOSE THE VALVE LOCATION

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



- 3 DRILL THE HOLE FOR THE VALVE

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

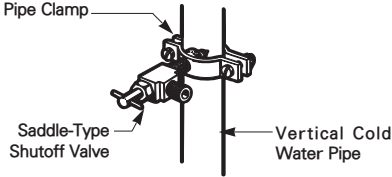


NOTE

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

4 FASTEN THE SHUTOFF VALVE

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



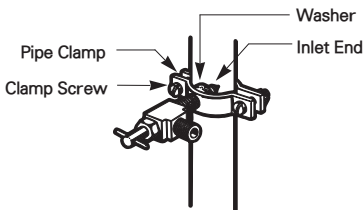
NOTE

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

5 TIGHTEN THE PIPE CLAMP

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

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



6 ROUTE THE TUBING

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

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

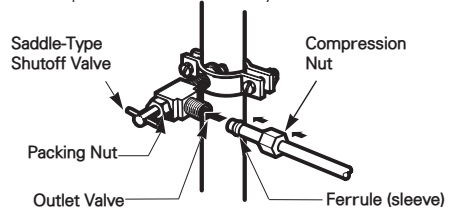


NOTE

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

7 CONNECT THE TUBING TO THE VALVE

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



8 FLUSH OUT THE TUBING

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

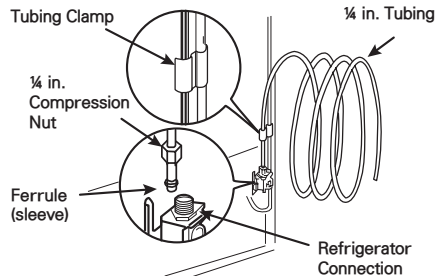
Shut the water off at the water valve after about one quart of water has been flushed through the tubing.



9 CONNECT THE TUBING TO THE REFRIGERATOR

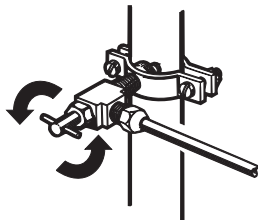
NOTE: Before making the connection to the refrigerator, be sure that the refrigerator power cord is not plugged into the wall outlet.

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



10 TURN THE WATER ON AT THE SHUTOFF VALVE

Tighten any connections that leak.



CAUTION

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

11 PLUG IN THE REFRIGERATOR

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

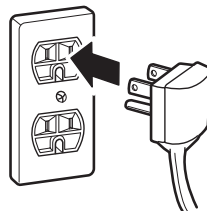
12 START THE ICEMAKER

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

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

Turning On The Power

Plug in the refrigerator.



CAUTION

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

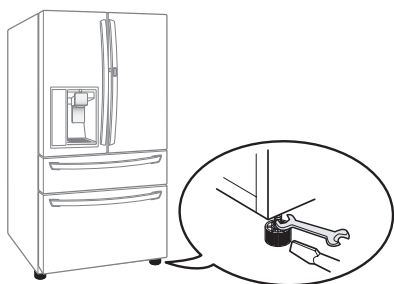
Leveling and Door Alignment

Leveling

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

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

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



NOTE

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

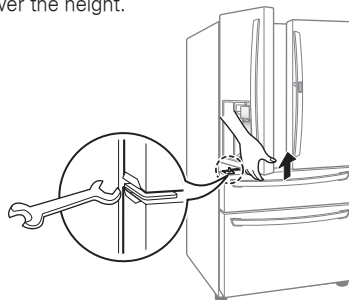
- 2 Open both doors again and check to make sure that they close easily. If the doors do not close easily, tilt the refrigerator slightly more to the rear by turning both leveling legs to the left. It may take several more turns, and you should turn both leveling legs the same amount.

Door Alignment

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

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

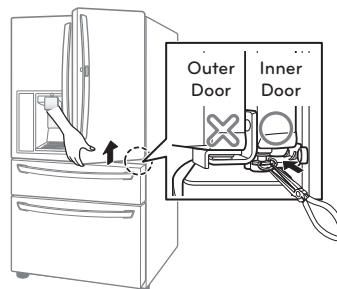
Use the wrench (included with the Use & Care Guide) to turn the nut in the door hinge to adjust the height. To the right to raise or to the left to lower the height.



The right refrigerator door does not have an adjustable nut.

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

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



HOW TO USE

Before use



Clean the refrigerator.

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



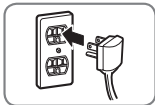
CAUTION

- 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.
- Do not peel off the model or serial number label or the technical information on the rear surface of the refrigerator.



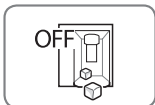
NOTE

Remove adhesive residue by wiping it off with your thumb or dish detergent.



Connect the power supply.

Check if the power supply is connected before use.
Read the "Turning On The Power" section.



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

Turn off the automatic icemaker and then plug the power plug of the refrigerator into the grounded electric outlet.

* This is applicable only to certain models.



CAUTION

Running the automatic icemaker before connecting it to the water supply may cause the refrigerator to malfunction.



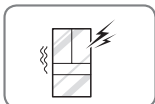
Wait for the refrigerator to cool.

Allow your 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.



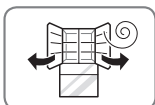
CAUTION

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



The refrigerator makes a loud noise after initial operation.

This is normal. The volume will decrease as the temperature lowers.



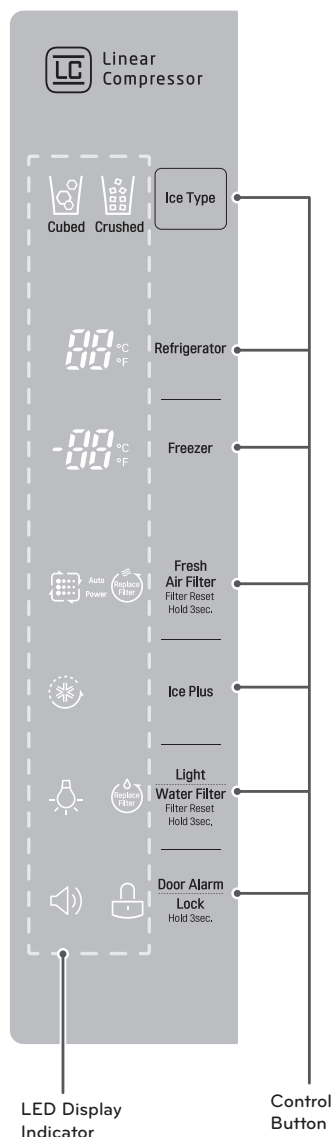
Open refrigerator doors and freezer drawers to ventilate the interior.

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.

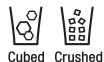
Control Panel

* Depending on the model, some of the following functions may not be available.

Control Panel Features



Ice Type



Press the Ice Type button to choose either cubed or crushed ice. The cubed or crushed ice icon will illuminate.

Refrigerator Temperature



Indicates the set temperature of the refrigerator compartment in Celsius (°C) or Fahrenheit (°F).

Freezer Temperature



Indicates the set temperature of the freezer compartment in Celsius (°C) or Fahrenheit (°F).

To change the temperature mode from °F to °C (or vice versa) press and hold the Refrigerator and Freezer temperature buttons simultaneously for approximately five seconds. The temperature indication on the display window switches between Celsius and Fahrenheit.



NOTE

The displayed temperature is the target temperature, and not the actual temperature of the refrigerator. The actual refrigerator temperature depends on the food inside the refrigerator.

Fresh Air Filter



The Fresh Air Filter helps remove odors from the refrigerator. The Fresh Air Filter has two settings, Auto and Power(PWR). In Auto mode, the Fresh Air Filter will cycle on and off in increments of ten minutes on and one hundred ten minutes off. If set to the Power(PWR) mode, the Fresh Air Filter will stay on continuously for four hours, cycling on and off in increments of ten minutes on and five minutes off. After four hours, the Fresh Air Filter will switch back to Auto mode.

- Press the Fresh Air Filter button once for Power(PWR) mode.
- Press the Fresh Air Filter button again to switch back to Auto mode.

Control Panel Features (continued)

Change Filter (On some models)

When the Change Filter icon turns on, the air filter needs to be replaced. After replacing the air filter, press and hold the Fresh Air Filter button for three seconds to turn the icon light off. Change the air filter approximately every 6 months.

Ice Plus

This function increases both ice making and freezing capabilities.

- When you touch the **Ice Plus** button, the graphic will illuminate in the display and will continue for 24 hours. The function will automatically shut off after 24 hours.
- You can stop this function manually by touching the button one more time.

Light

When you press the Light button, the dispenser light will turn on and the indicator will appear on the LED display.

Change Water Filter

When the Water Filter indicator turns on, you need to change the water filter. After changing the water filter, press and hold the Change Filter button for three seconds to turn the indicator light off. Change the water filter approximately every six months.

Door Alarm

- When power is connected to the refrigerator, the door alarm is initially set to ON. When you press the **Alarm** button, the display will change to OFF and the **Door Alarm** function will deactivate.
- When either the refrigerator or the freezer door is left open for more than 60 seconds, the alarm tone will sound to let you know that the door is open.
- When you close the door, the door alarm will stop.

Lock

The Lock function disables every other button on the display.

- When power is initially connected to the refrigerator, the **Lock** function is off.
- If you want to activate the **Lock** function to lock other buttons, press and hold the **Lock** button for three seconds or more. The **Lock** icon will display and the **Lock** function is now enabled.
- To disable the **Lock** function, press and hold the **Lock** button for approximately three seconds.

Power Saving Mode

- When the refrigerator is in the **Power Saving Mode**, the display will remain off until a door is opened or a button is pressed. Once on, the display will remain on for 20 seconds.



CAUTION

Display Mode (For Store Use Only)

The Display Mode disables all cooling in the refrigerator and freezer sections to conserve energy while on display in a retail store. When activated, OFF will display on the control panel and the display will remain on for 20 seconds.

To deactivate / activate:

With either refrigerator door opened, press and hold the Refrigerator and Ice Plus buttons at the same time for five seconds. The control panel will beep and the temperature settings will display to confirm that Display Mode is deactivated. Use the same procedure to activate the Display Mode.

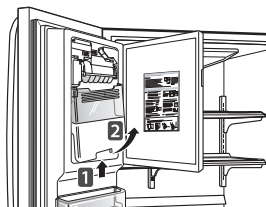
In-Door Ice Bin

* Depending on the model, some of the following functions may not be available.

CAUTION

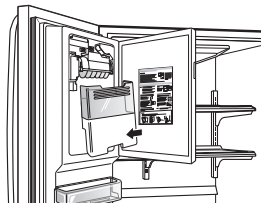
- Keep hands and tools out of the ice compartment door and dispenser chute. Failure to do so may result in damage or personal injury.
- The icemaker will stop producing ice when the in-door ice bin is full. If you need more ice, empty the ice bin into the extra ice bin in the freezer compartment. During use, the ice can become uneven causing the icemaker to misread the amount of ice cubes and stop producing ice. Shaking the ice bin to level the ice within it can reduce this problem.
- Storing cans or other items in the ice bin will damage the icemaker.
- Keep the ice compartment door closed tightly. If the ice compartment door is not closed tightly, the cold air in the ice bin will freeze food in the refrigerator compartment. This could also cause the icemaker to stop producing ice.
- If the ON/OFF switch on the icemaker is set to OFF for an extended period of time, the ice compartment will gradually warm up to the temperature of the refrigerator compartment. To prevent ice cubes from melting and leaking from the dispenser, ALWAYS empty the ice bin when the icemaker is set to OFF for more than a few hours.

- 2 To remove the in-door ice bin, grip the front handle, slightly lift the lower part, and slowly pull out the bin as shown.

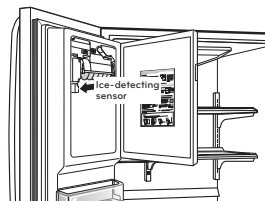


Assembling the In-Door Ice Bin

- 1 Carefully insert the in-door ice bin while slightly slanting it to avoid contact with the icemaker.

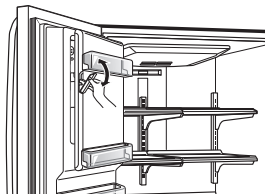


- 2 Avoid touching the ice-detecting sensor when replacing the ice bin. See the label on the ice compartment door for details.



Detaching the In-Door Ice Bin

- 1 Gently pull the handle to open the ice compartment.



CAUTION

When handling the ice bin, keep hands away from the icemaker tray area to avoid personal injury.



Automatic Icemaker

* Depending on the model, some of the following functions may not be available.

Ice is made in the automatic icemaker and sent to the dispenser. The icemaker will produce 70~182 cubes in a 24-hour period, depending on freezer compartment temperature, room temperature, number of door openings and other operating conditions.

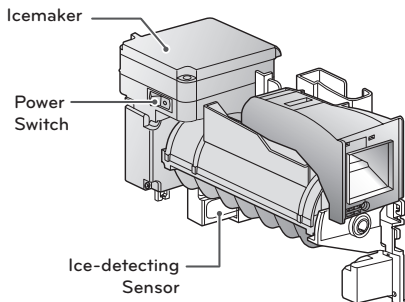
- It takes about 12 to 24 hours for a newly installed refrigerator to begin making ice. Wait 72 hours for full ice production to occur.
- Ice making stops when the in-door ice bin is full. When full, the in-door ice bin holds approximately 6 to 8 (12~16 oz or 340~455 cc) glasses of ice.
- The water pressure must be 20~120 psi or 138~827 kPa or 1.4~8.4 kgf/cm² on models without a water filter and 40~120 psi or 276~827 kPa or 2.8~8.4 kgf/cm² on models with a water filter to produce the normal amount and size of ice cubes.
- Foreign substances or frost on the ice-detecting sensor can interrupt ice production. Make sure the sensor area is clean at all times for proper operation.



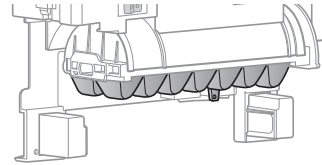
WARNING

Personal Injury Hazard

DO NOT place fingers or hands on the automatic ice making mechanism while the refrigerator is plugged in.

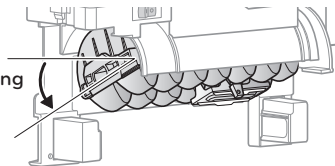


Water fills the ice tray.

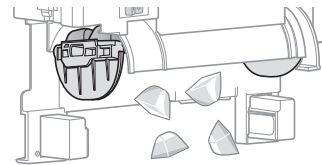


1 hour later from supplying water

Tilting



- 60 minutes after water has been added to the ice tray, the ice tray will sit slightly tilted to help the cold air reach the ice.



- The ice-detecting sensors will sense when the ice is ready to be dumped into the ice bin.

Turning the Automatic Icemaker On or Off

To turn off the automatic icemaker, set the icemaker switch to **OFF (O)**. To turn on the automatic icemaker, set the switch to **ON (I)**.

Automatic Icemaker (continued)

CAUTION

- The first ice and water dispensed may include particles or odor from the water supply line or the water tank.
- Throw away the first few batches of ice. This is also necessary if the refrigerator has not been used for a long time.
- Never store beverage cans or other items in the ice bin for the purpose of rapid cooling. Doing so may damage the icemaker or the containers may burst.
- If discolored ice is dispensed, check the water filter and water supply. If the problem continues, contact a qualified service center. Do not use the ice or water until the problem is corrected.
- Keep children away from the dispenser. Children may play with or damage the controls.
- The ice passage may become blocked with frost if only crushed ice is used. Remove the frost that accumulates by removing the ice bin and clearing the passage with a rubber spatula. Dispensing cubed ice can also help prevent frost buildup.
- Never use thin crystal glass or crockery to collect ice. Such containers may chip or break resulting in glass fragments in the ice.
- Dispense ice into a glass before filling it with water or other beverages. Splashing may occur if ice is dispensed into a glass that already contains liquid.
- Never use a glass that is exceptionally narrow or deep. Ice may jam in the ice passage and refrigerator performance may be affected.
- Keep the glass at a proper distance from the ice outlet. A glass held too close to the outlet may prevent ice from dispensing.
- To avoid personal injury, keep hands out of the ice door and passage.
- Never remove the dispenser cover.
- If ice or water dispenses unexpectedly, turn off the water supply and contact a qualified service center.

When You Should Turn the Icemaker Off

- When the water supply will be shut off for several hours.
- When the ice bin is removed for more than one or two minutes.
- When the refrigerator will not be used for several days.

NOTE

The ice bin should be emptied when the icemaker on/off switch is turned to the **OFF** position.

Normal Sounds You May Hear

- The icemaker water valve will buzz as the icemaker fills with water. If the power switch is in the ON (I) position, it will buzz even if it has not yet been hooked up to water. To stop the buzzing, move the power switch to OFF (O).

NOTE

Keeping the power switch in the ON (I) position before the water line is connected can damage the icemaker.

- You will hear the sound of cubes dropping into the bin and water running in the pipes as the icemaker refills.

Preparing for Vacation

Set the icemaker power switch to OFF (O) and shut off the water supply to the refrigerator.

NOTE

The ice bin should be emptied anytime the icemaker on/off switch is turned to the OFF (O) position.

If the ambient temperature is expected to drop below freezing, have a qualified technician drain the water supply system to prevent serious property damage due to flooding caused by ruptured water lines or connections.

Ice and Water Dispenser

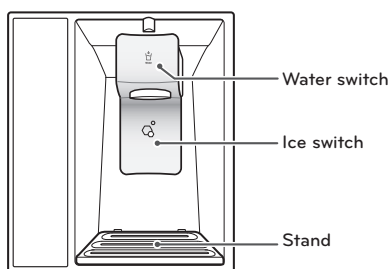
* Depending on the model, some of the following functions may not be available.



CAUTION

Keep children away from the dispenser to prevent children playing with or damaging the controls.

Dispenser



Using the Dispenser

- To dispense **cold water**, push on the water switch with a glass.
- To dispense **ice**, push on the ice switch with a glass.



NOTE

- If discolored ice is dispensed, check the water filter and water supply. If the problem continues, contact a qualified service center. Do not use the ice or water until the problem is corrected.
- The dispenser will not operate when either of the refrigerator doors are open.
- If dispensing water or ice into a container with a small opening, place it as close to the dispenser as possible.
- Some dripping may occur after dispensing. Hold your cup beneath the dispenser for a few seconds after dispensing to catch all of the drops.

	Incorrect Way	Correct Way
Water		
Ice		



CAUTION

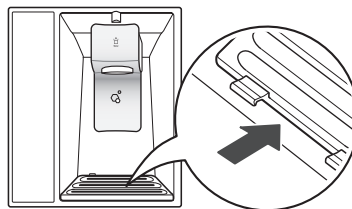
Throw away the first few batches of ice (about 24 cubes). This is also necessary if the refrigerator has not been used for a long time.

Locking the Dispenser

Press and hold the Alarm and Lock button simultaneously for 3 seconds to lock the dispenser and all the control panel functions. Follow the same instructions to unlock.

Cleaning the Dispenser Stand

- 1 Grip the stand with both hands and pull it out.



- 2 Wipe out dirty areas with a clean cloth.

Storing Food

Food Preservation Location

Each compartment inside the refrigerator is designed to store different types of food. Store your food in the optimal space to enjoy the freshest taste.



Vegetable storage (Crisper)

Preserves vegetables and fruit.



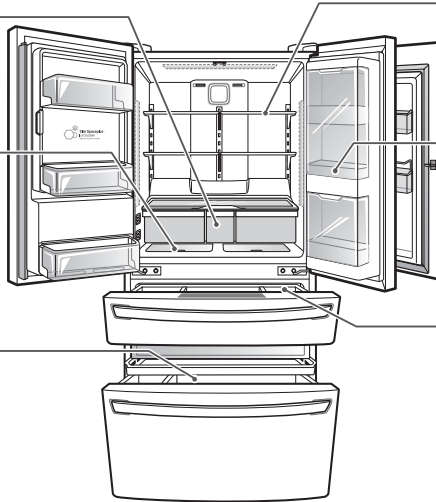
EasyReach™

You can store small items, or put an item to defrost.



Durabase®

Largest storage space in the freezer.



Adjustable refrigerator shelf

Adjustable shelves to meet your individual storage needs.



Door-in-Door

Recommended types of food to store in the Door-In-Door section are butter, margarine, cream cheese, peanut butter, ketchup, mustard, relish, etc.

CustomChill™ Drawer

Adjust the temperature to store meat and seafood, cold drinks, deli snacks, or chilled wine.



CAUTION

- Do not store food with high moisture content towards the top of the refrigerator. The moisture could come in direct contact with the cold air and freeze.
- Wash food before storing it in the refrigerator. Vegetables and fruit should be washed, and food packaging should be wiped down to prevent adjacent foods from being contaminated.
- If the refrigerator is kept in a hot and humid place, frequent opening of the door or storing a lot of vegetables in the refrigerator may cause condensation to form. Wipe off the condensation with a clean cloth or a paper towel.
- If the refrigerator door or freezer drawer is opened too often, warm air may penetrate the refrigerator and raise its temperature. It can also increase the cost to run the appliance.
- Do not overfill or pack items too tightly into door bins. Doing so may cause damage to the bin or personal injury if items are removed with excessive force.
- The temperature inside the EasyReach™ is slightly lower than in the shelf or door bin area.



NOTE

- If you are leaving home for a short period of time, like a short vacation, the refrigerator should be left on. Refrigerated foods that are able to be frozen will stay preserved longer if stored in the freezer.
- If you are leaving the refrigerator turned off for an extended period of time, remove all food and unplug the power cord. Clean the interior, and leave the door open to prevent fungi from growing in the refrigerator.

Food Storage Tips

* The following tips may not be applicable depending on the model.

Wrap or store food in the refrigerator in airtight and moisture-proof material unless otherwise noted. This prevents food odor and taste transfer throughout the refrigerator. For dated products, check date code to ensure freshness.

Food	How to
Butter or Margarine	Keep opened butter in a covered dish or closed compartment. When storing an extra supply, wrap in freezer packaging and freeze.
Cheese	Store in the original wrapping until you are ready to use it. Once opened, rewrap tightly in plastic wrap or aluminum foil.
Milk	Wipe milk cartons. For coldest milk, place containers on interior shelf.
Eggs	Store in original carton on interior shelf, not on door shelf.
Fruit	Do not wash or hull the fruit until it is ready to be used. Sort and keep fruit in its original container, in a crisper, or store in a completely closed paper bag on a refrigerator shelf.
Leafy Vegetables	Remove store wrapping and trim or tear off bruised and discolored areas. Wash in cold water and drain. Place in plastic bag or plastic container and store in crisper.
Vegetables with skins (carrots, peppers)	Place in plastic bags or plastic container and store in crisper.
Fish	Store fresh fish and shellfish in the freezer section if they are not being consumed the same day of purchase. It is recommended to consume fresh fish and shellfish the same day purchased.
Leftovers	Cover leftovers with plastic wrap or aluminum foil, or store in plastic containers with tight lids.

Storing Frozen Food



NOTE

Check a freezer guide or a reliable cookbook for further information about preparing food for freezing or food storage times.

Freezing

Your freezer will not quick-freeze a large quantity of food. Do not put more unfrozen food into the freezer than will freeze within 24 hours (no more than 2 to 3 lbs. of food per cubic foot of freezer space). Leave enough space in the freezer for air to circulate around packages. Be careful to leave enough room at the front so the door can close tightly.

Storage times will vary according to the quality and type of food, the type of packaging or wrap used (how airtight and moisture-proof) and the storage temperature. Ice crystals inside a sealed package are normal. This simply means that moisture in the food and air inside the package have condensed, creating ice crystals.



NOTE

Allow hot foods to cool at room temperature for 30 minutes, then package and freeze. Cooling hot foods before freezing saves energy.

Storing Frozen Food (continued)

Packaging

Successful freezing depends on correct packaging. When you close and seal the package, it must not allow air or moisture in or out. If it does, you could have food odor and taste transfer throughout the refrigerator and could also dry out frozen food.

Packaging recommendations:

- Rigid plastic containers with tight-fitting lids
- Straight-sided canning/freezing jars
- Heavy-duty aluminum foil
- Plastic-coated paper
- Non-permeable plastic wraps
- Specified freezer-grade self-sealing plastic bags

Follow package or container instructions for proper freezing methods.

Do not use

- Bread wrappers
- Non-polyethylene plastic containers
- Containers without tight lids
- Wax paper or wax-coated freezer wrap
- Thin, semi-permeable wrap

Glide'N'Access™

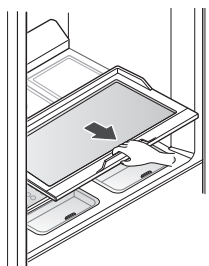
The Glide'N'Access™ slides out for easy loading of large items, like sheet cakes or deli trays, and to give you easy access to items stored at the back of the shelf.

To slide out, grasp the handle at the front of the shelf and gently pull forward. Push back to slide in.



CAUTION

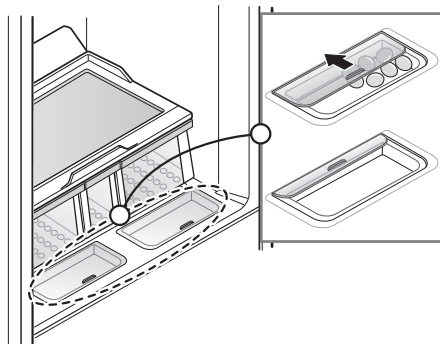
Take care when sliding the Glide'N'Access™ in and out, as taller items may fall, causing damage or injury.



EasyReach™

The EasyReach™ compartments are slightly cooler than the shelf or door bin areas, so they are a convenient place to store dairy snacks or other small items you want to keep especially cold. They are also a handy place to defrost meat.

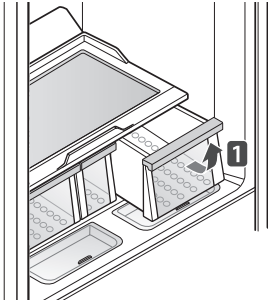
Open and close by pulling the handle.



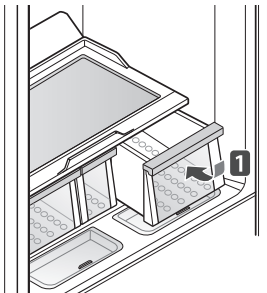
Detaching and Assembling the Storage Bins

Glide'N'Access™ Crisper

To remove the Glide'N'Access™ Crisper, pull out the Crisper **1** to full extension, lift the front up, and pull straight out.

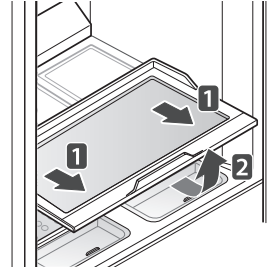


To install, slightly tilt up the front, insert the drawer into the frame and push it back into place.



To Remove Glide'N'Access™

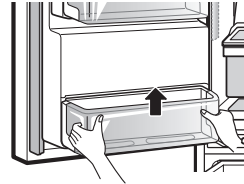
To remove the Glide'N'Access™, pull out the shelf to full extension, lift the front up and pull straight out.



Door Bins

The door bins are removable for easy cleaning and adjustment.

- 1 To remove the bin, simply lift the bin up and pull straight out.
- 2 To replace the bin, slide it in above the desired support and push down until it snaps into place.



NOTE

Some bins may vary in appearance and will only fit in one location.



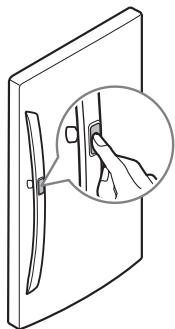
CAUTION

- Do not apply excessive force while detaching or assembling the storage bins.
- Do not use the dishwasher to clean the storage bins and shelves.
- Regularly detach and wash the storage bins and shelves; they can become easily contaminated by the food.

Door-In-Door

Door-In-Door Compartment

To access the Door-in-Door compartment, lightly press the button on the right refrigerator door handle to open the door.

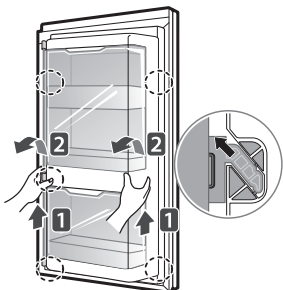


Door-In-Door Case

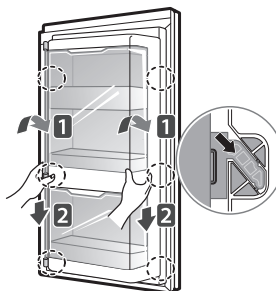
To open the Door-In-Door case, slightly push the marked area to pop it open. The Door-In-Door Case is removable for easy cleaning and adjustment.



- 1 To remove the Door-In-Door case, lift up and pull out.



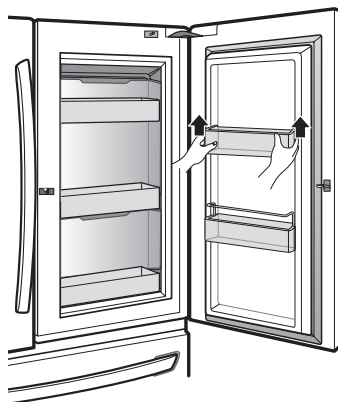
- 2 To replace the Door-In-Door case, line up the tabs on the Door-In-Door Case with the slots on the door and push the case down until it snaps into place.



Door-In-Door Door Bins

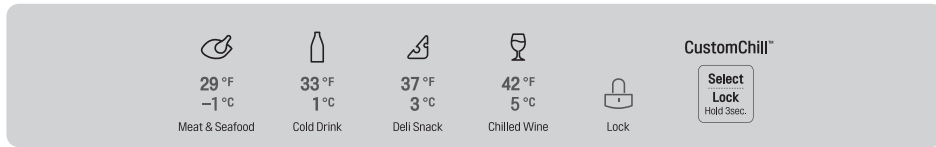
The Door-In-Door inner and outer door bins are removable for easy cleaning.

- 1 To remove the door bins, lift up and pull out.
- 2 To replace the door bins, slide the door bin in above the desired support and push down until it snaps into place.

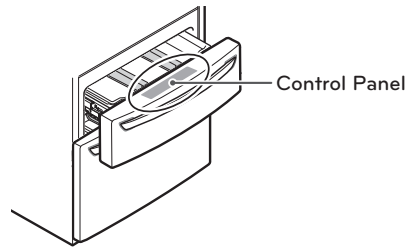


CustomChill™ Drawer

ENGLISH



The CustomChill™ Drawer provides storage space with a variable temperature control that can be adjusted to keep the compartment either colder or warmer than the refrigerator.



Setting the Temperature

Press the Select/Lock button repeatedly to toggle through the four temperature settings. Store meat and seafood at 29°F/-1°C, cold drinks at 33°F/1°C, deli snacks at 37°F/3°C, or chilled wine at 42°F/5°C.

CustomChill™



Control Lock



The control panel can also be locked to prevent the temperature from accidentally being changed or tampered with by children. To lock the panel, press and hold the Select/Lock button for three seconds until the Lock icon lights up. To unlock the panel, press and hold the Select/Lock button until the Lock icon light turns off.

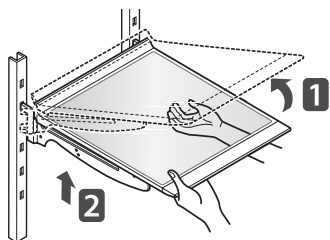
Adjusting the Refrigerator Shelves

The shelves in your refrigerator are adjustable to meet your individual storage needs. Your model may have glass or wire shelves.

Adjusting the shelves to fit items of different heights will make finding the exact item you want easier. Doing so will also reduce the amount of time the refrigerator door is open which will save energy.

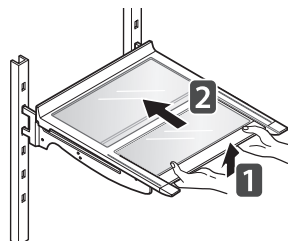
Detaching the Shelf

Tilt up the front of the shelf and lift it straight up. Pull the shelf out.



Using the Folding Shelf

You can store taller items, such as a gallon container or bottles, by simply pushing the front half of the shelf underneath the back half of the shelf. Pull the front of the shelf toward you to return to a full shelf.

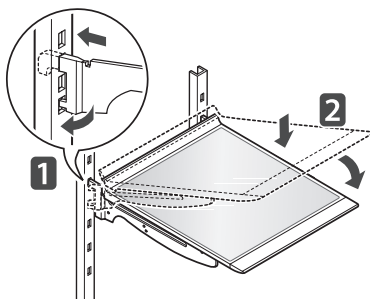


CAUTION

- Do not clean glass shelves with warm water while they are cold. Shelves may break if exposed to sudden temperature changes or impact.
- Glass shelves are heavy. Use special care when removing them.

Assembling the Shelf

Tilt the front of the shelf up and guide the shelf hooks into the slots at a desired height. Then, lower the front of the shelf so that the hooks drop into the slots.



CAUTION

Make sure that shelves are level from one side to the other. Failure to do so may result in the shelf falling or spilling food.