LG
Life's Good

ENGLISH

OWNER'S MANUAL

BOTTOM FREEZER REFRIGERATOR

Please read this owner's manual thoroughly before operating and keep it handy for reference at all times.

GF-D613PL

MFL68680438

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ENGLISH

TABLE OF CONTENTS

3 PRODUCT FEATURES

4 IMPORTANT SAFETY INSTRUCTIONS

7 COMPONENTS

7 Refrigerator Exterior
8 Refrigerator Interior
8 - Key Parts and Components
9 - Special Features

10 INSTALLATION

10 Unpacking Your Refrigerator
10 Choosing the Proper Location
10 - Flooring
11 - Ambient Temperature
11 - Measuring the Clearances
11 Removing/Assembling the Refrigerator Door Handles
11 - Removing the Handles
11 - Assembling the Handles
12 Removing/Assembling the Freezer Drawer Handle
12 - Removing the Handles
12 - Assembling the Handles
12 Removing/Assembling the Doors and Drawers
12 - Removing the Left Refrigerator Door
14 - Removing the Right Refrigerator Door
15 - Assembling the Right Refrigerator Door
16 - Assembling the Left Refrigerator Door
17 - Removing the Freezer Drawers
18 - Assembling the Freezer Drawers
19 Connecting the Water Line
19 - Before You Begin
19 - Water Pressure
19 Turning On The Power
20 Leveling and Door Alignment

21 HOW TO USE

21 Before Use
22 Control Panel
22 - Control Panel Features
24 In-Door Ice Bin
24 - Detaching the In-Door Ice Bin
24 - Assembling the In-Door Ice Bin
25 Automatic Icemaker
25 - Turning the Automatic Icemaker On or Off
26 - When You Should Turn the Icemaker Off
26 - Normal Sounds You May Hear
26 - Preparing for Vacation
27 Ice and Water Dispenser
27 - Dispenser
27 - Using the Dispenser
27 - Locking the Dispenser Selector buttons
27 - Cleaning the Dispenser Tray
28 Storing Food
28 - Food Preservation Location
29 - Food Storage Tips
29 - Storing Frozen Food
30 Humidity Controlled Crisper and Glide'N'Serve
31 Detaching and Assembling the Storage Bins
32 Adjusting the Refrigerator Shelves
33 Door-in-Door

35 MAINTENANCE

35 Cleaning
36 Power interruptions
36 When you go on vacation
36 When you move
37 Replacing the Water Filter

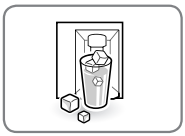
38 SMART DIAGNOSIS

39 TROUBLESHOOTING

⚠ This product must only be used with a 230-240V 50Hz mains supply.

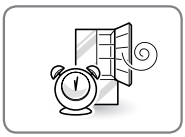
PRODUCT FEATURES

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



FILTERED WATER AND ICE DISPENSER

The water dispenser dispenses fresh water. The ice dispenser dispenses cubed and crushed ice.



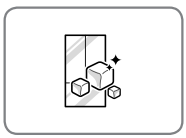
DOOR ALARM

The Door Alarm function sounds if a refrigerator door or freezer drawer remains open. If a refrigerator door or freezer drawer is left open for more than 60 seconds, a warning alarm sounds in 30 second intervals.



HUMIDITY CONTROLLED CRISPER

The Humidity Controlled Crisper is designed to help keep your fruits and vegetables fresh and crisp for as long as possible. You can control the amount of humidity in the crisper by adjusting the setting between VEGETABLE and FRUIT.



EXPRESS FREEZING

The freezer section is maintained at the coldest temperature for a 24-hour period. It will also enhance ice production whilst it is on.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

This guide contains many important safety messages. Always **read and obey** all safety messages.



This is the safety alert symbol. It alerts you to safety messages that inform you of hazards that can kill or hurt you or others, or cause damage to the product.

All safety messages will be preceded by the safety alert symbol and the hazard signal word WARNING or CAUTION. These words mean:

 WARNING Death or Serious injury can result if you do not follow instructions.

 CAUTION Indicates an imminently hazardous situation which, if not avoided, may result in minor or moderate injury, or product damage.

 WARNING

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

Power

- NEVER unplug your refrigerator by pulling on the power cord. Always grip the plug firmly and pull it straight out from the outlet.
- Immediately repair or replace all power cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either the plug or connector end.
- Do not use an uncertified power outlet.
- Unplug the power plug immediately in the event of a blackout or thunderstorm.
- Plug in the power plug with the power cord facing downward.

Installation

- If unsure of any procedure, contact an authorized service center when you install or relocate the refrigerator.
- When moving your refrigerator away from the wall, be careful not to roll over or damage the power cord.
- Connect this product to a dedicated grounded electric outlet conforming with the rating prior to use. It is the user's responsibility to replace a standard 2-prong wall outlet with a standard 3-prong wall outlet.
- Do not install the refrigerator where there may be a danger of falling.

During Use.

- DO NOT allow children to climb, stand, or hang on the refrigerator doors or shelves in the refrigerator. They could damage the refrigerator and seriously injure themselves.
- Do not place heavy objects on the dispenser of the refrigerator or hang onto it.
- Do not place heavy or dangerous objects (bottles with liquid) on the refrigerator.
- Do not put live animals inside of the refrigerator.
- Do not allow children to climb into the product when it is in use.
- In the event of a gas leak (propane/LPG), ventilate sufficiently and contact an authorized service center before use. Do not touch or disassemble the electric outlet of the refrigerator.
- In the event of a refrigerant leak, move flammable objects away from the refrigerator. Ventilate sufficiently and contact an authorized service center.
- Do not use or place flammable substances (chemicals, medicine, cosmetics, etc) near the refrigerator or store them inside the refrigerator. Do not place the refrigerator in the vicinity of flammable gas.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

- This refrigerator is intended for normal indoor domestic use. Do not install this unit outdoors, or in direct sunlight, or under any outdoor shelter, verandah or patio.
- This Refrigerator is designed for normal domestic, indoor use only. It is not designed for Mobile applications such as a mobile home, caravan, or leisure water craft.
- Do not use this product for special purposes (storage of medicine or test materials, etc).
- Unplug the power plug before cleaning or maintaining the refrigerator.
- When you replace the light bulb in the refrigerator, unplug the refrigerator or turn off the power.
- Do not modify or extend the power cord.
- Do not use a dryer to dry the interior. Do not light a candle to remove the interior odor.
- For your safety, this appliance must be properly grounded. Have the wall outlet and the circuit checked by a qualified electrician to make sure the outlet is properly grounded.
- Do not use an outlet that cannot be turned off with a switch. Do not use an extension cord. It is the user's responsibility to replace a standard 2-prong wall outlet with a standard 3-prong wall outlet.
- Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.
- Do not use an extension cord or a multi outlet power board.
- Disconnect the power cord immediately if you hear any abnormal noise, smell a strange odor or detect smoke.
- Turn the power off if water or dust penetrates into the refrigerator. Call for an authorised Service Repairer.
- Do not disassemble or modify the refrigerator.
- Do not put hands, feet, or metal objects below or behind the refrigerator.
- Do not operate the refrigerator or touch the power cord with wet hands.
- In refrigerators with automatic icemakers, avoid contact with the moving parts of the ejector mechanism or with the heating element that releases the cubes. Do not place fingers or hands on the automatic ice-making mechanism while the refrigerator is plugged in.
- When dispensing ice from the dispenser, do not use crystal ceramics.
- Do not touch the cold surfaces in the freezer compartment with wet or damp hands, when your refrigerator is in operation.
- Do not put glass containers, glass bottles or carbonated beverages in the freezer.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Do not refreeze frozen food that have thawed completely. It may result in a serious health issue.
- If you are throwing away your old refrigerator, make sure the CFC refrigerant is removed for proper disposal by a qualified servicer. If you release CFC refrigerants into the atmosphere, you may be fined or imprisoned in accordance with the relevant environmental law.
- Disposed or abandoned refrigerators are dangerous, even if they are sitting for only a few days. When disposing the refrigerator, remove the packing materials from the door or take off the doors but leave the shelves in place so that children may not easily climb inside.
- If the refrigerant gas has leaked, do not touch the refrigerator or the outlet and ventilate the room immediately. A spark could trigger an explosion causing a fire or burns. Because this refrigerator uses natural gas (isobutene, R600a) as the environment-friendly refrigerant, even a small amount (50~60g) is combustible. If gas leaks from severe damage during delivering, installing or using the refrigerator, any spark may cause fire or burns.
- This appliance is intended to be used in household and similar applications such as staff kitchen areas in shops, offices and other working environments; farm houses and by clients in hotels, motels and other residential type environments; bed and breakfast type environments; catering and similar non-retail applications.
  The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

⚠ CAUTION

Installation

- The refrigerator must be properly installed in accordance with the Installer Instructions that were taped to the front of the refrigerator.
- Be careful when you unpack and install the refrigerator. Immediately dispose of packing materials (plastic) out of reach of Children. This unit should only be used for domestic household applications only and should not be used for mobile applications. Avoid installing it where it is exposed to direct sunlight and temperatures below 6 degrees and above 32 degrees celcius.
- Do not store or install the refrigerator outdoors or anywhere that is directly or indirectly exposed to weathering conditions. It should not be used for mobile applications.

During Use.

- Close the door carefully when children are around.
- Keep fingers out of pinch point areas; clearances between the doors and cabinets are necessarily small. Be careful closing doors when children are in the area.
- If you do not store or place food properly, beware that it may fall and cause injury.
- Connect to drinkable water supply only.
- Refer to the water filter kit instructions for installation.

Maintenance

- Mild dishwashing liquids can be added to water to aid cleaning with a soft cloth.
- Do not use strong detergents like wax or thinners for cleaning. Clean with a soft fabric.
- Wipe foreign objects (dust, water, etc) off the prongs of the power plug and contact areas prior to installing.

Supply Cord Replacement

If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

⚠ WARNING

- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. When disposal, please consult with service agent or a similarly qualified person.



This appliance contains a small amount of isobutane refrigerant (R600a), natural gas with high environmental compatibility, but it is also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged. Refrigerant squirting out of the pipes could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.

In order to avoid the creation of a flammable gas air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used. The room must be $1m^2$ in size for every 8g of R600a refrigerant inside the appliance. The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance. Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.

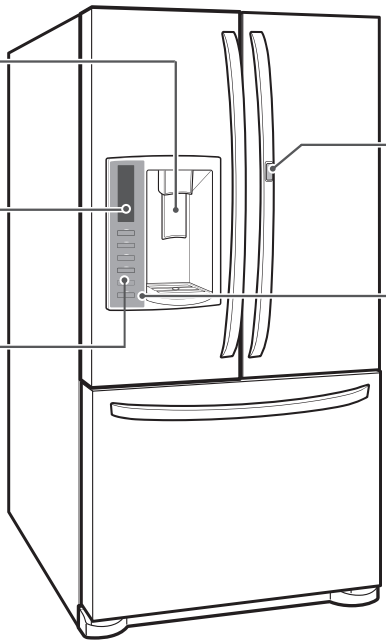
SAVE THESE INSTUCTIONS

COMPONENTS

Use this page to become more familiar with the parts and features of your refrigerator. Page references are included for your convenience.

*The appearance and specifications of the actual product may differ depending on the model.

Refrigerator Exterior



Filtered Water and Ice Dispenser
Dispenses fresh, chilled, filtered water through the door. The ice dispenser offers cubed or crushed ice.

LED Display
Displays the refrigerator and freezer set temperature, the water filter condition and the dispenser status.

Express freezing
When this feature is activated, the freezer section will run at the coldest temperature for a 24-hour period to increase ice production.

Button
Opens only the Door in Door compartment

Door Alarm
A warning alarm sounds at 30-second intervals when the refrigerator or freezer door is left open for more than 60 seconds..

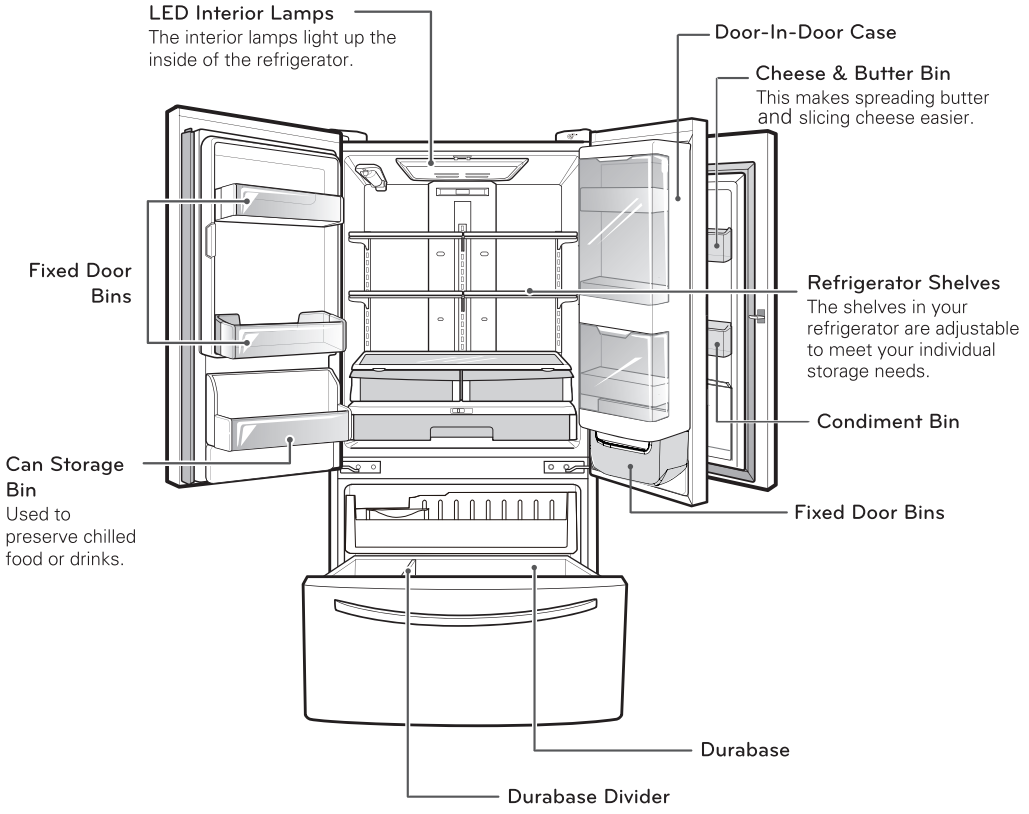
⚠ WARNING

Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance. This appliance is intended to be used in household and similar applications such as staff kitchen areas in shops, offices and other working environments;farm houses and by clients in hotels, motels and other residential type environments; bed and breakfast type environments; catering and similar non-retail applications.

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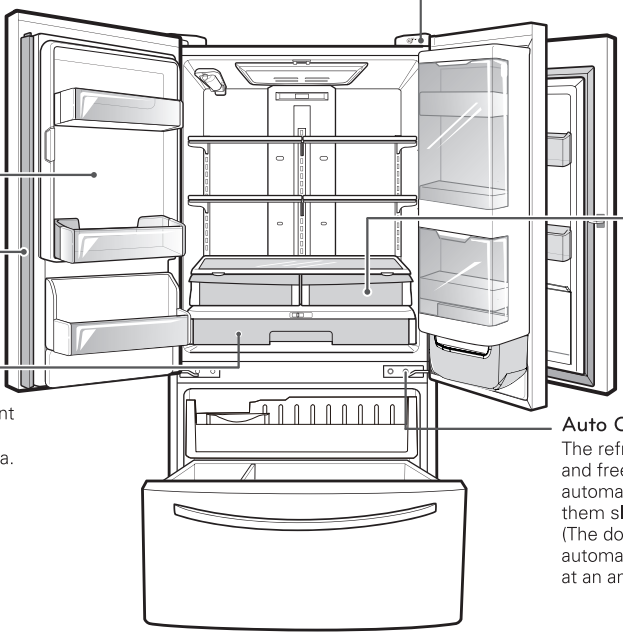
Refrigerator Interior

Key Parts and Components



Refrigerator Interior

Special Features



Smart Diagnosis Speaker
Hold your phone to this speaker when activating Smart Diagnosis. Refer to the Smart Diagnosis section for more details.

SpacePlus Ice System

Mullion
Folds in when the left door is opened.

Glide'N'Serve
Allows you to store food items at a different temperature than the regular refrigerator area.

Crispers
Controls humidity and helps vegetables and fruit to stay crisp.

Auto Closing Hinge
The refrigerator doors and freezer drawers close automatically when you push them slightly.
(The door only closes automatically when it is open at an angle of less than 30°.)

INSTALLATION

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. The refrigerator has rollers. Wind in the leveling feet and 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 bar coded labels, the model and serial number label, or the Tech Sheet that is located under the front of the refrigerator behind the base grille.

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 between 147~834 kPa for proper water dispensing and ice making.

- The refrigerator should always be plugged into its own individual properly grounded electrical outlet rated for 230-240 Volts, 50 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 front 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 AIIgnment.)

NOTE

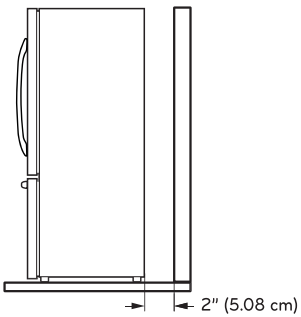
Installing on carpeting, soft tile surfaces, a platform or weakly supported structure is not recommended.

Ambient Temperature

Install this appliance in an area where the temperature is between 13°C and 43°C. If the temperature around the appliance is too low or high, cooling ability may be adversely affected. Do not store the refrigerator in Direct Sunlight or sheltered outdoor areas.

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

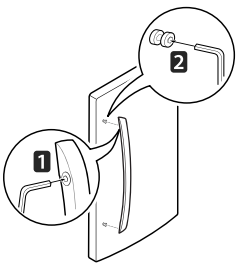
NOTE

Removing the doors is always recommended when it is necessary to move the refrigerator through a narrow opening. If it is necessary to remove the handles, follow the directions below.

Removing the Handles

1 Loosen the set screws **1** with a $^{3}/_{32}$ in. Allen key and remove the handle.

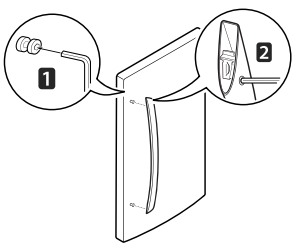
2 Only if required, loosen the mounting fasteners **2** that connect to the refrigerator door and handle using a $^{1}/_{4}$ in. Allen key, remove the mounting fasteners.



Assembling the Handles

1 If already removed, assemble the mounting fasteners **1** at both ends of the handle using a $^{1}/_{4}$ in. Allen key.

2 Place the handle on the door by fitting the handle footprints over the mounting fasteners and tightening the set screws **2** with a $^{3}/_{32}$ in. Allen key.

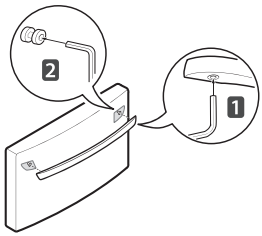


Removing/Assembling the Freezer Drawer Handle

Removing the Handles

1 Loosen the set screws 1 located on the lower side of the handle with a 1/8 in. Allen key and remove the handle.

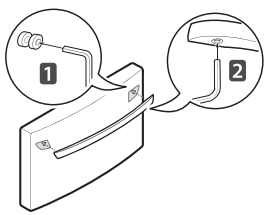
2 Loosen the mounting fasteners 2 that connect to the freezer drawer and handle using a 1/4 in. Allen key, and remove the mounting fasteners.



Assembling the Handles

1 Assemble the mounting fasteners 1 at both ends of the handle using a 1/4 in. Allen key.

2 Place the handle on the door by fitting the handle footprints over the mounting fasteners and tightening the set screws 2 with a 1/8 in. Allen key.



WARNING

When removing or refitting handles from the refrigerator, please be cautious of following things.

- Hold the handle securely when removing and refitting.
- Do not swing the handle or allow children to play with them, or use them for any other purpose.
- Always follow the above instructions when removing or refitting the handles.
- Check if there's any gap between the door and handle after fixing the handle.

Removing/Assembling the Doors and Drawers

Removing the doors is always recommended when it is necessary to move the refrigerator through a narrow opening.

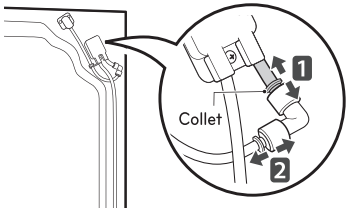
WARNING

- 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, base grille or bottom of the refrigerator. You may be injured or receive an electrical shock.
- Be careful when handling the hinge, base grille and stopper. It may result in injury.
- Remove food and bins from the doors and drawers before detaching.

Removing the Left Refrigerator Door

Turn off water supply & disconnect the joiner as per the diagram below.

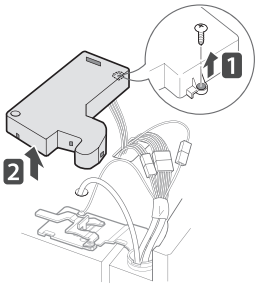
1 The water supply to the left hand door dispenser is connected to the upper right part of the rear surface of the refrigerator. Remove the ring in the joint area. Hold the water supply connection and gently push the Collet to detach the water supply line as shown in 1 and 2.



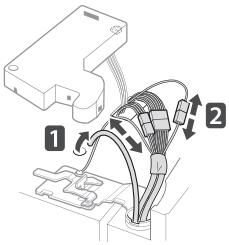
NOTE

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

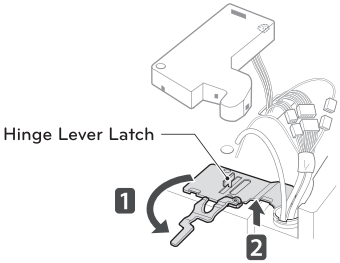
2 After disconnecting the water feed tube, open the left door. Remove the 1 screw from the hinge cover at the top of the refrigerator. Lift the hook (not visible), located at the bottom of the front side of the cover 2 with a flat-head screwdriver.



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



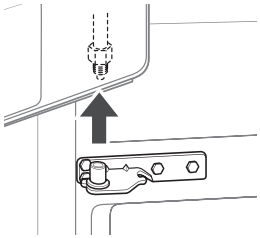
4 Rotate the hinge lever counterclockwise 1. Lift the top hinge 2 free of the hinge lever latch.



CAUTION

When lifting the hinge free of the latch, be careful that the door does not fall forward. It should be supported by a second person.

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

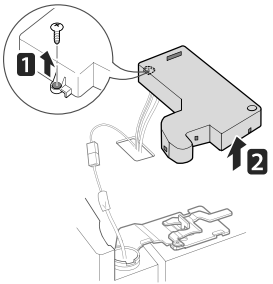


CAUTION

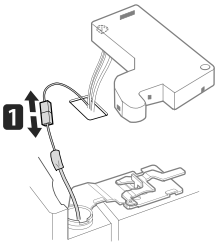
Place the door, inside facing up, on a non-scratching surface.

Removing the Right Refrigerator Door

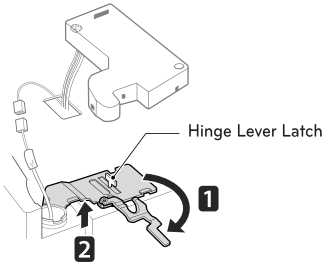
1 Open the door. Remove the top hinge cover screw 1. Lift the hook (not visible), located at the bottom of the front side of the cover 2, with a flat-head screwdriver.



2 Detach the wire harness 1.



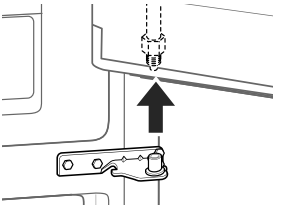
3 Rotate the hinge lever 1 clockwise. Lift the top hinge 2 free of the hinge lever latch.



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.



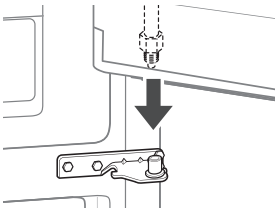
CAUTION

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

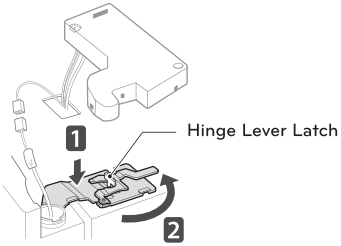
Assembling the Right Refrigerator Door

Install the right-side door first.

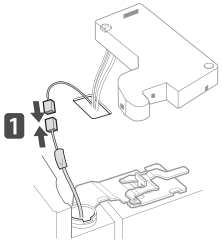
1 Make sure that the plastic sleeve is inserted in the bottom of the door. Lower the door onto the middle hinge pin as shown in the figure.



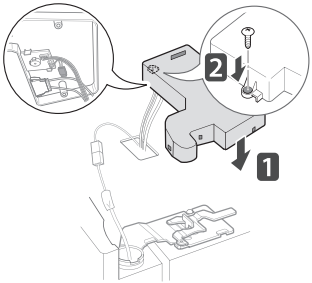
2 Fit the top hinge 1 over the hinge lever latch and slot it into place. Rotate the lever 2 counterclockwise to secure the hinge.



3 Install the grounding screw and connect the wire harness 1.



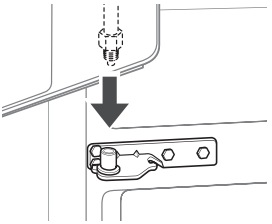
4 Make sure that the door-switch located inside the cover is tightly connected. Position the cover in its place. Insert and tighten the cover screw 2.



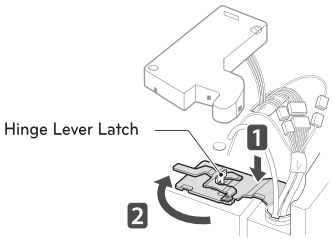
Assembling the Left Refrigerator Door

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

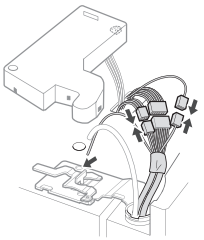
1 Make sure that the plastic sleeve is inserted in the bottom of the door. Install the refrigerator door onto the middle hinge.



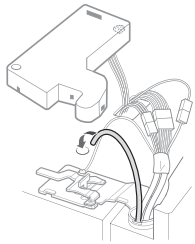
2 Fit the top hinge 1 over the hinge lever latch and slot it into place. Rotate the lever clockwise 2 and fasten the hinge.



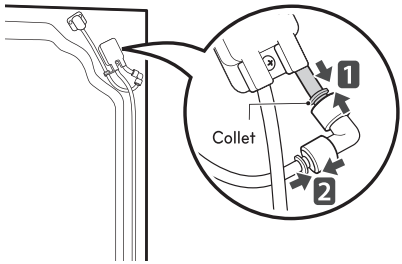
3 Install the grounding screw and connect all the wire harnesses.



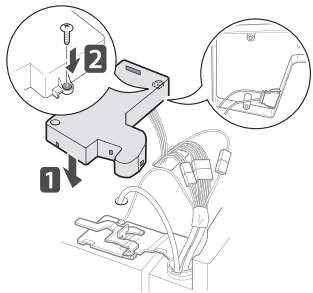
4 Push the water supply tube into the hole on the top case and pull it through the backplate.



5 Hold the water supply connection and gently push in the collet to connect the water supply line as shown in 1 and 2. Insert the tube at least $^{5}/_{8}$ inch (15 mm) into the connector. Assemble the clip to the joint part for fastening.



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.

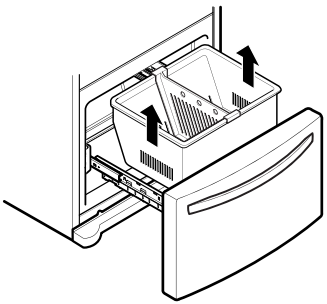


Removing the Freezer Drawers

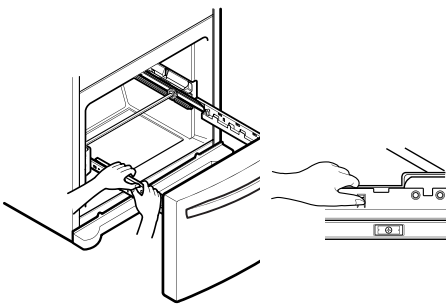
CAUTION

- Care should be taken to avoid product or property damage when removing the freezer door. It maybe necessary to have assistance with the following insturctions.
- To avoid damage do not hold the handle when removing the door. It could come off and cause and injury.

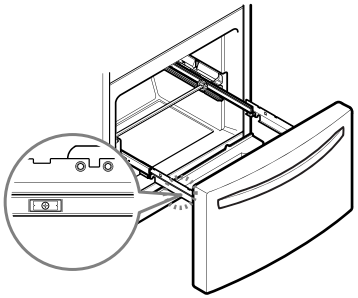
1 To remove the freezer drawer, pull the drawer open to full extension. Remove the lower DuraBase ® basket by lifting the basket from the rail system.



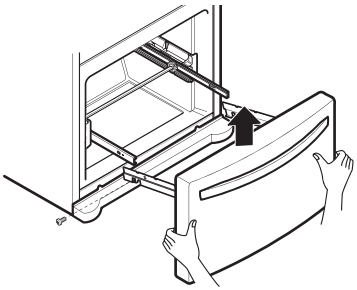
2 Separate the left and right rail cover.



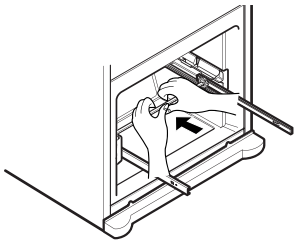
3 Remove the screws of the rail on both sides.



4 With both hands, hold both sides of the door and pull it up to separate it from the rails.



5 With both hands, flex the center bar enough to allow the gears on both ends to release from the track.



CAUTION

- When you remove the drawer, do not hold the handle. If it may come off and it could cause personal injury.
- When placing the drawer on the floor, care should be taken to avoid floor damage.

Assembling the Freezer Drawers

CAUTION

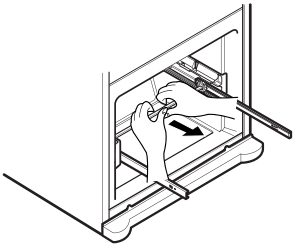
- To avoid possible injury or product or property damage, you will need two people to perform the following instructions. It maybe necessary to have assistance with the following instructions.

WARNING

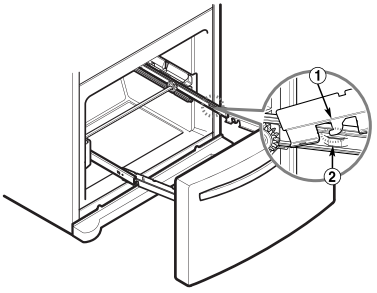
Risk of Child Entrapment

- To prevent accidental child and pet entrapment or suffocation risk, DO NOT allow them to play inside of the freezer drawer.
- DO NOT step or sit on the freezer drawer.

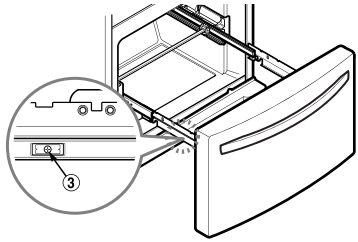
1 To reinstall the freezer drawer, hold the center bar with both hands and pull it out until both rails are fully extended.



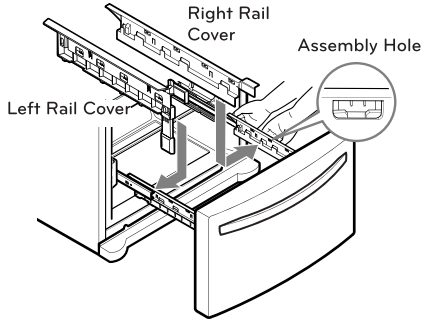
2 Hook door supports ① into rail tabs ②.



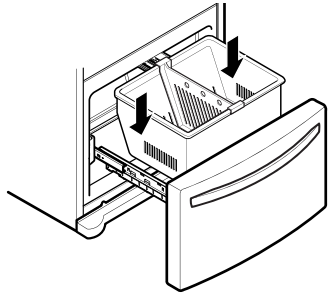
3 Lower door into final position and tighten the screws ③. Make sure you have a right rail cover for each side.



4 Align the top holes of the rail cover with the top holes of the door supports to assemble the rail covers.



5 With the drawer pulled out to full extension, insert the lower basket in the rail assembly.



WARNING

- To prevent accidental child and pet entrapment or suffocation risk. DO NOT allow them to play inside of drawer.
- DO NOT step or sit down on freezer.

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.

If you are not confident or unsure about connecting to a water supply, then a Licensed plumber should be called. This cost is not covered by the manufacturer.

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 damange, 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.

WARNING

Connect to potable water supply only.

Water Pressure

A cold water supply. The water pressure must be between 147~834 kPa.

For homes fitted with Reverse Osmosis systems.

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

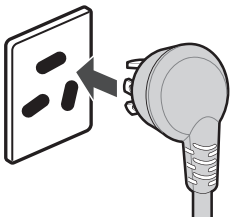
CAUTION

Wear eye protection during installation to prevent injury.

- 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 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.

Turning On The Power

1 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

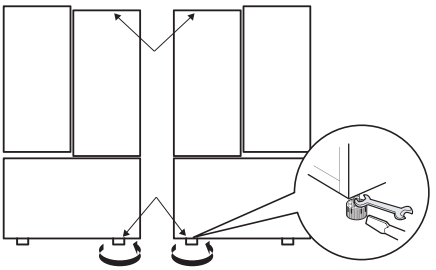
Leveling

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 Remove the base grille. Refer to the Base Grille Installation section.

2 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 spanner works best, but an open-end spanner will suffice. Do not over-tighten.

3 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 mount.

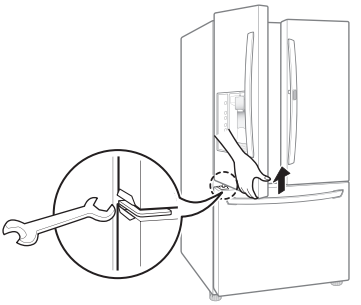
4 Refit the base grille.

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 evenly:

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.



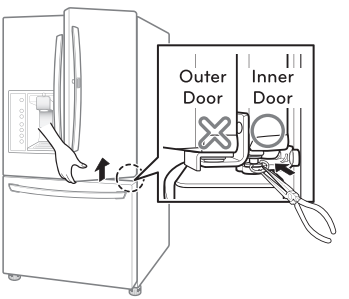
The right refrigerator door does not have an adjustable nut.

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.

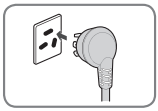
Clean your refrigerator thoroughly and wipe off all dust that accumulated during shipping.

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.

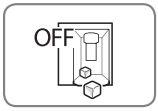
NOTE

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. (A plug type might be different from the picture.)



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.

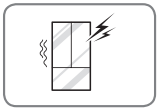


Wait for the refrigerator to cool.

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.

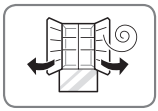
CAUTION

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



The refrigerator makes a loud noise after initial operation.

This is normal. The general noise levels will decrease as the temperature lowers.



Open refrigerator doors and freezer doors to ventilate the interior.

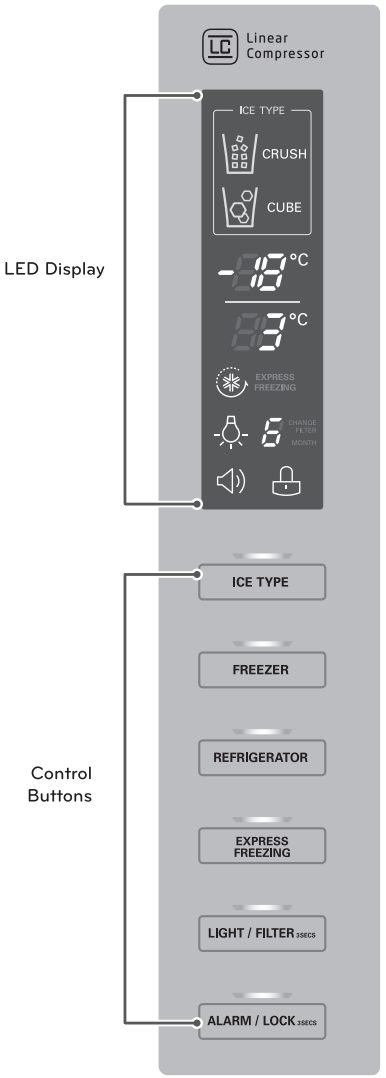
The inside of the refrigerator may smell like plastic at first. Remove any adhesive tape from inside the refrigerator and open the refrigerator doors and the freezer drawers for one to two hours before turning on.

Control Panel

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

Control Panel Features

The LED Display shows the temperature settings, dispenser options, water filter, door alarm, and locking status messages.



Ice Type

CRUSH CUBE

Press the ICE TYPE button to select either Crushed or Cubed Ice. The selected option will illuminate on the LED display.

Freezer

-19 °C

Press the FREEZER button to adjust the temperature in the freezer compartment.

Refrigerator

3 °C

Press the REFRIGERATOR button to adjust the temperature in the refrigerator compartment.

Express freezing

EXPRESS FREEZING

This function increases both ice making and freezing capabilities.

- When you touch the EXPRESS FREEZING 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.

Control Panel Features (continued)

Light

Press the LIGHT button, to turn on the dispenser light. The indicator will appear on the LED display.

Change Filter



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

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 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.

Control Lock

The Control Lock function disables every other button on the display panel.

- 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.
- The Lock function will not stop water or ice from dispensing.

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.

To deactivate:

Open the Right hand Refrigerator door, then while holding down the REFRIGERATOR button continuously, touch the EXPRESS FREEZING button 3 times.

The control panel will been and the temperature settings will change to confirm that the Display Mode is deactivated. Use the same procedure to activate the Display Mode.

WARNING

Lamp Replacement

If LED lamp is damaged,it should be replaced by the service center in stead of on your own.

In-Door Ice Bin

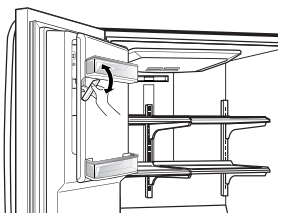
* Depending on the model, some of the following functions may not be available.

CAUTION

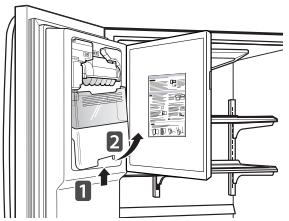
- Keep hands and tools out of the ice compartment door and dispenser chute. Failure to do so may result in damage or personal injury.
- The icemaker will stop producing ice when the in-door ice bin is full. If you need more ice, empty the ice bin into the extra ice bin in the freezer compartment. During 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.

Detaching the In-Door Ice Bin

1 Gently pull the handle to open the ice compartment.

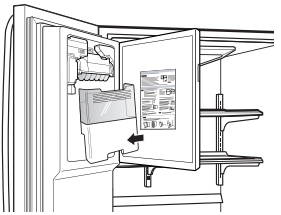


2 To remove the in-door ice bin, grip the front handle, slightly lift the lower part, and slowly pull out the bin as shown.

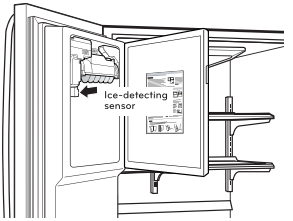


Assembling the In-Door Ice Bin

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.



CAUTION

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

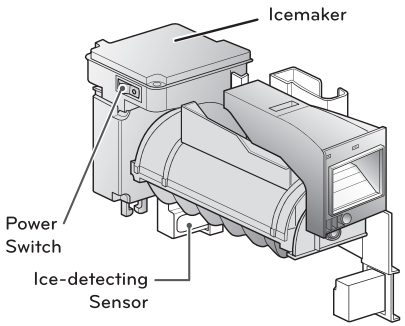


Automatic Icemaker

* 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 14 cubes per cycle—approximately 52~140 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) glasses of ice.
- The water pressure must be between 147~834 kPa 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.



Turning the Automatic Icekamer 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 will 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.

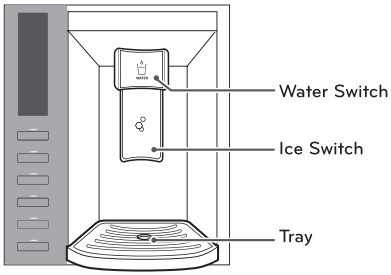
Ice and Water Dispenser

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

CAUTION

Keep children away from the dispenser. Children may play with or damage the controls.

Dispenser

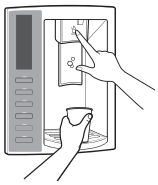


Using the Dispenser

- 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

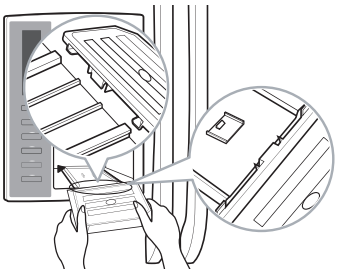
Throw away the first few batches of ice (about 24 cubes). This is also necessary if the refrigerator has not been used for a long time.

Locking the Dispenser Selector buttons

Press and hold the Lock button for simultainously for 3 seconds to lock the control panel functions.
Follow the same instructions to unlock.
This will not lock the actual dispenser or stop it from dispensing water or ice.

Cleaning the Dispenser Tray

1 Grip the tray with both hands, pess down and pull it out.

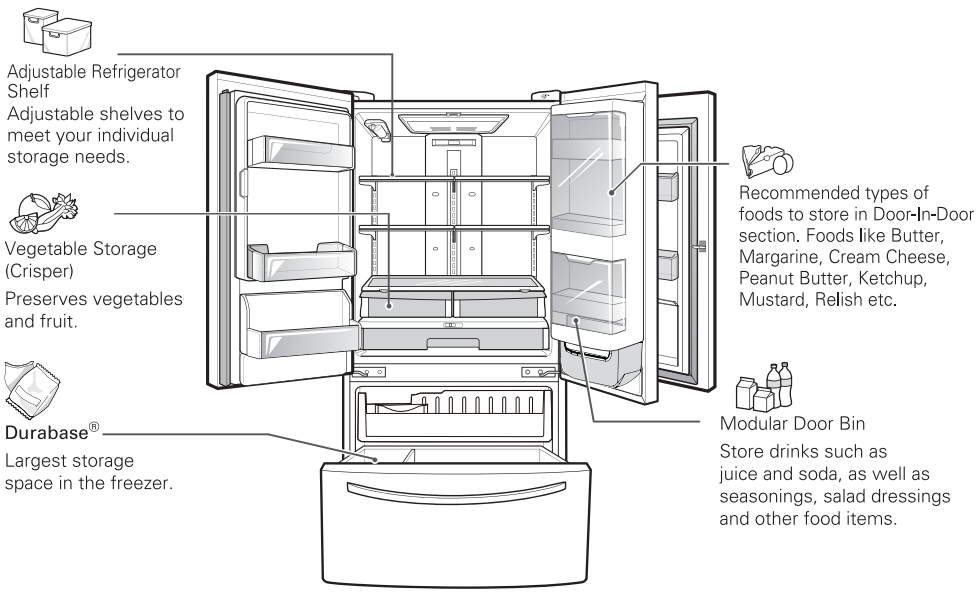


2 Wipe out dirty areas with a clean cloth.

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.



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 or closed too often, warm air may penetrate the refrigerator and raise its temperature. It can also increase the cost of electricity.
- It may be normal to see some minor traces of condensation on the outer left side of the refrigerator under extremely high humidity conditions due to the ice maker air flow ducts.

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 best storage, place milk 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, aluminum foil, or 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 1 ~ 2 kgs. 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. Never freeze or store sealed glass bottles or beverage cans in the freezer as they may explode.

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

Humidity Controlled Crisper and Glide'N'Serve

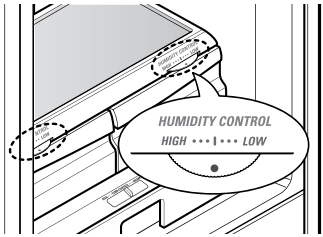
Humidity Controlled Crisper

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

The crispers provide fresher tasting fruit and vegetables by letting you easily control humidity inside the drawer.

You can control the amount of humidity in the moisture-sealed crispers by adjusting the control to any setting between **HIGH** and **LOW**.

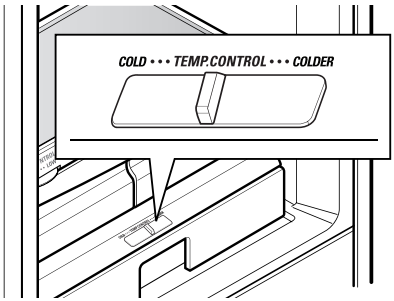
- **HIGH** keeps moist air in the crisper for best storage of fresh, leafy vegetables.
- **LOW** lets moist air out of the crisper for best storage of fruit.



Glide'N'Serve

The Glide'N'Serve provides storage space with a variable temperature control that can keep the compartment at a slightly different temperature than the refrigerator section. This drawer can be used for large party trays, deli items and beverages. (This drawer should not be used for vegetables that require high humidity.)

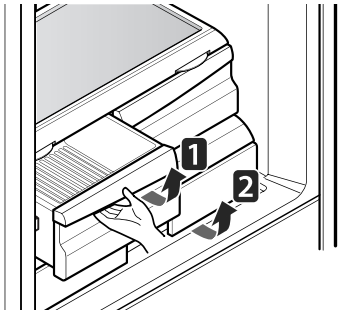
Set the control between COLD and COLDER. Use the COLDER setting for items such as meats and deli items.



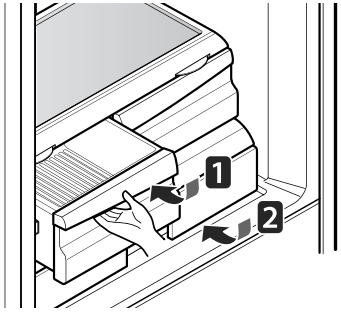
Detaching and Assembling the Storage Bins

Glide'N'Serve and Humidity Controlled Crisper

To remove the Humidity Controlled Crisper and the Glide'N'Server, pull out the Crisper 1 and Glide'N'Server 2 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.



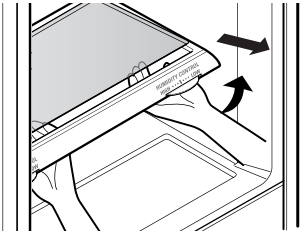
NOTE

Storage Bins may vary in appearance, depending on your model.

To Remove the Glass

(Pantry drawer not shown for clarity)

Lift up the glass under the crisper cover, and pull up and out.

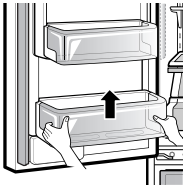


Fixed Door Bins

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 detatching 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.

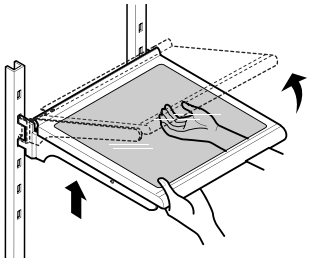
Adjusting the Refrigerator Shelves

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 different heights of items 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.

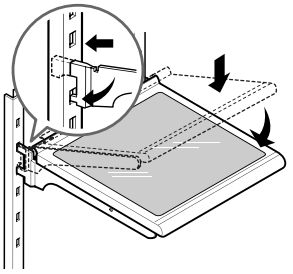
Detaching the Shelf

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



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.

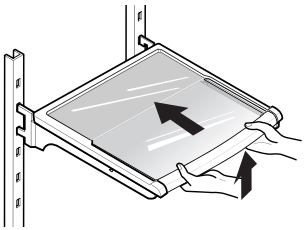


CAUTION

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.

Using the Folding Shelf

You can store taller items 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.

NOTE

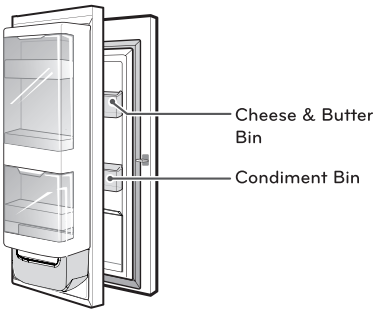
Shelves may vary in appearance, depending on your model.

Door-In-Door

The Door-In-Door compartment allows for easy access of commonly used food items.

The outer Door-In-Door door includes two door bins, the Cheese & Butter and Condiment bins, that are specially designed for food This makes spreading butter and slicing cheese easier.

> **NOTE**
>
> The Cheese & Butter and Condiment bins are not recommended for storing items that spoil easily such as milk and mayonnaise.

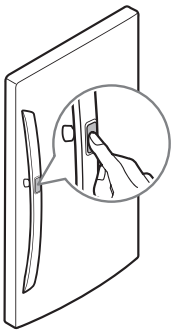


Door-In-Door Compartment

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

There is no need to grip the handle when opening the Door-in-door door.

If the handle is gripped when the button is pressed you may hear a clicking noise. This is Normal.

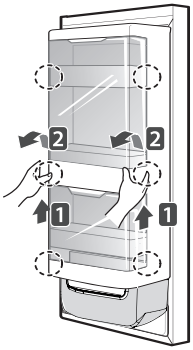


Door-In-Door Case

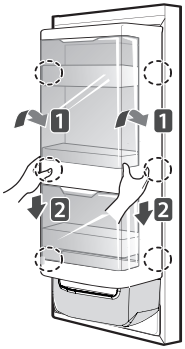
To open the Door-In-Door case, slightly push the marked area to pop it open. The Door-In-Door Case is removable for easy cleaning and adjustment.



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



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

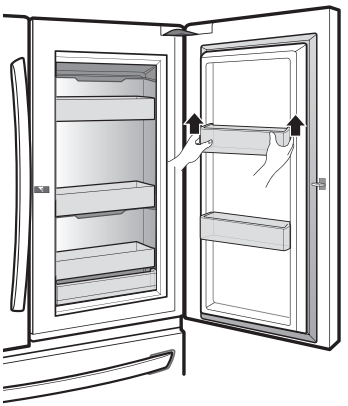


Door-In-Door Door Bins

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.



Door-In-Door Lower Bins

The Door-In-Door lower shelf is removable for easy cleaning.

1 After removing Door-In-Door Case.
2 To remove the Lower Bin, lift up and pull out.

MAINTENANCE

Cleaning

- Both the refrigerator and freezer sections defrost automatically; however, clean both sections about once a month to prevent odors.
- Wipe up spills immediately.
- Always unplug the refrigeration before cleaning.

General Cleaning Tips

- Unplug refrigerator or disconnect power.
- Remove all removable parts, such as shelves, crispers, etc.
- Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use abrasive or harsh cleaners.
- Hand wash, rinse and dry all surfaces thoroughly.

Exterior

Waxing external painted metal surfaces helps provide rust protection. Do not wax plastic parts. Wax painted metal surfaces at least twice a year using appliance wax (or automotive wax). Apply wax with a clean, soft cloth.

For products with a stainless steel exterior, use a clean sponge or soft cloth and a mild detergent in warm water. Do not use abrasive or harsh cleaners. Dry thoroughly with a soft cloth. Do not use appliance wax, bleach, or other products containing chlorine on stainless steel.

CAUTION

- Do not use a rough cloth or sponge when cleaning the interior and exterior of the refrigerator.
- Do not place your hand on the bottom surface of the refrigerator when opening and closing.

WARNING

Use non-flammable cleaner. Failure to do so can result in fire, explosion, or death. **Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.**

Inside Walls (Disconnect the power and allow the freezer to warm up so the cloth will not stick)

To help remove odors, you can wash the inside of the refrigerator with a mixture of baking soda and warm water. Mix 2 tablespoons of baking soda to 1 quart of water (26 g soda to 1 liter water.) Be sure the baking soda is completely dissolved so it does not scratch the surfaces of the refrigerator.

Door Liners and Gaskets

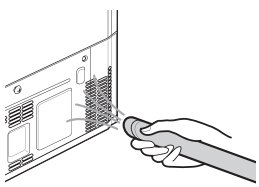
Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use cleaning waxes, concentrated detergents, bleaches, or cleaners containing petroleum on plastic refrigerator parts.

Plastic Parts (covers and panels)

Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use window sprays, abrasive cleansers, or flammable fluids. These can scratch or damage the material.

Condenser Coils

Use a vacuum cleaner with an attachment to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area.



Power interruptions

1 If the power will be out for 24 hours or less, keep all refrigerator doors closed to help foods stay cold and frozen.

2 If the power will be out for more than 24 hours, remove all food and store it in a different refrigerator or frozen food locker.

When you go on vacation

If you choose to leave the refrigerator on while you are away, follow these steps to prepare your refrigerator before you leave.

1 Use up any perishables and freeze other items.

2 Turn off the icemaker and empty the ice bin.

If you choose to turn the refrigerator off before you leave, follow these steps.

1 Remove all food from the refrigerator.

2 Depending on your model, set the thermostat control (refrigerator control) to OFF. See the Setting the Controls section.

3 Clean the refrigerator, wipe it and dry well.

4 Tape rubber or wood blocks to the tops of both doors to prop them open far enough for air to get in. This stops odor and mold from building up.

When you move

When you are moving your refrigerator to a new home, follow these steps to prepare it for the move.

1 Remove all food from the refrigerator and pack all frozen food in dry ice.

2 Unplug the refrigerator.

3 Clean, wipe and dry thoroughly.

4 Take out all removable parts, wrap them well and tape them together so they do not shift and rattle during the move. Refer to the Using your Refrigerator section for removable instructions.

5 Depending on the model, raise the front of the refrigerator so it rolls easier OR screw in the leveling legs all the way so they do not scrape the floor. See the Door Closing section.

6 Tape the doors shut and tape the power cord to the refrigerator cabinet.

7 Avoid lying the refrigerator on its sides as this could cause the unit to malfunction when it is turned back on.

When you get to your new home, put everything back and refer to the Refrigerator Installation section for preparation instructions.

Replacing the Water Filter

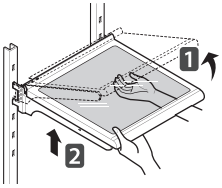
It is recommended that you replace the water filter:

- Approximately every six months.
- When the water filter indicator turns on.
- When the water dispenser output decreases.
- When the ice cubes are smaller than normal.

Before Replacing the Water Filter:

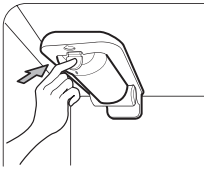
If the top shelf, located below the water filter, is in the highest position, it will need to be removed prior to replacing the water filter.

To remove any shelf– Tilt up the front of the shelf in the direction of 1 and lift it in the direction of 2. Pull the shelf out.



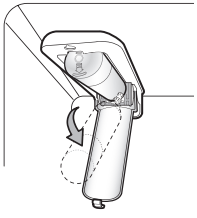
1 Remove the old water filter.

- Lower or remove the top left shelf to allow the water filter to rotate all the way down.
- Press the push button to open the water filter cover.



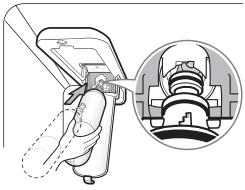
NOTE: Replacing the water filter causes a small amount of water (around 25ml) to drain. Place a cup under the front end of the water filter cover to collect any leaking water. Hold the water filter upright, once it is removed, to prevent any remaining water from spilling out of the water filter.

- Pull the water filter downward and pull out. Make sure to rotate the filter down completely before pulling it out of the manifold hole.

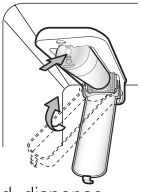


2 Replace with a new water filter.

- Take the new water filter out of its packing and remove the protective cover from the o-rings. With water filter tabs in the horizontal position, push the new water filter into the manifold hole firmly until it stops.

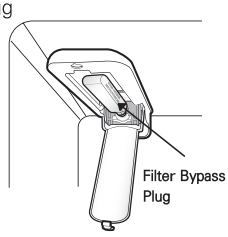


- Rotate the water filter up into position and close the cover. The cover will click when closed correctly.



3 After the water filter is replaced, dispense 10 liters of water (flush for approximately 5 minutes) to remove trapped air and contaminates from the system. Do not dispense the entire 10 liter amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.
To clear the water filter indicator, touch the LIGHT / WATER FILTER button for 3 seconds whilst the display panel is ill uminated.

4 Water Filter Bypass Plug
Keep the water filter bypass plug. You MUST use the water filter bypass plug when a replacement water filter cartridge is not installed



CAUTION

DO NOT operate refrigerator without a water filter, or without fitting the water filter Bypass plug.

NOTE

- To purchase a replacement water filter:
  - Visit your local dealer or distributor
  - Web: Find Parts & Accessories from Support section of lg.com
  - Call : 1300 54 2273 (Austrailia) 0800 54 2273 (New Zealand)
- Part number of the replacement water filter: ADQ36006101

SMART DIAGNOSIS

Should you experience any problems with your refrigerator, it has the capability of transmitting data via your telephone to the LG service center. This gives you the capability of speaking directly to our trained specialists. The specialist records the data transmitted from your machine and uses it to analyze the issue, providing a fast and effective diagnosis.

If you experience problems with your refrigerator, call 1300 54 2273. Only use the Smart Diagnosis feature when instructed to do so by the LG call center agent. The transmission sounds that you will hear are normal and sound similar to a fax machine.

Smart Diagnosis cannot be activated unless your refrigerator is connected to power. If your refrigerator is unable to turn on, then troubleshooting must be done without using Smart Diagnosis.

Using Smart Diagnosis

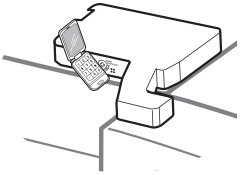
First, call 1300 54 2273. Only use the Smart Diagnosis feature when instructed to do so by the LG call center agent.

1 Lock the display. To lock the display, press and hold the Lock button for three seconds. (If the display has been locked for over five minutes, you must deactivate the lock and then reactivate it.)



2 Open the right refrigerator door.

3 Hold the mouthpiece of your phone in front of the speaker that is located on the right hinge of the refrigerator door, when instructed to do so by the call center.



4 Press and hold the Freezer Temperature button for three seconds while continuing to hold your phone to the speaker.



5 After you hear three beeps, release the Freezer Temperature button.

6 Keep the phone in place until the tone transmission has finished.
the display will count down the time. Once the countdown is over and the tones have stopped, resume your conversation with the specialist, who will then be able to assist you in using the information transmitted for analysis.

NOTE

- For best results, do not move the phone while the tones are being transmitted.
- If the call center agent is not able to get an accurate recording of the data, you may be asked to try again.

NOTE

- Call quality differences by region may affect the function.
- Use the home telephone for better communication performance, resulting in better service.
- Bad call quality may result in poor data transmission from your phone to the machine, which could cause Smart Diagnosis to not work properly.

TROUBLESHOOTING

Review the Troubleshooting section before calling for service; doing so will save you both time and money.

Problem	Possible Causes	Solutions
Refrigerator and Freezer section are not cooling.	The refrigerator control is set to OFF (some models).	Turn the control ON. Refer to the Setting the Controls section for proper temperature settings.
	Refrigerator is set to demo mode.	Display Mode allows the lights and control display to work normally while disabling cooling to save energy while on the showroom floor. Refer to the Setting the Controls section for instructions on how to disable Display Mode.
	Refrigerator is in the defrost cycle.	During the defrost cycle, the temperature of each compartment may raise slightly. Wait 30 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.
	Refrigerator was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Refrigerator was recently relocated.	If the refrigerator was stored for a long period of time or moved on its side, it is necessary for the refrigerator to stand upright for 24 hours before connecting it to power.
Cooling System runs too much.	Refrigerator is replacing an older model.	Modern refrigerators require more operating time but use less energy due to more efficient technology.
	Refrigerator was recently plugged in or power restored.	The refrigerator will take up to 24 hours to cool completely.
	Door opened often or a large amount of food / hot food was added.	Adding food and opening the door warms the refrigerator, requiring the compressor to run longer in order to cool the refrigerator back down. In order to conserve energy, try to get everything you need out of the refrigerator at once, keep food organized so it is easy to find, and close the door as soon as the food is removed. (Refer to the Food Storage Guide.)
	Doors are not closed completely.	Firmly push the doors shut. If they will not shut all the way, see the Doors will not close completely or pop open section in Parts & Features Troubleshooting.
	Refrigerator is installed in a hot location.	The compressor will run longer under warm conditions. At normal room temperatures (21°C) expect your compressor to run about 40% to 80% of the time. Under warmer conditions, expect it to run even more often. The refrigerator should not be operated above 43°C.
	Condenser / back cover is clogged.	Use a vacuum cleaner with an attachment to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area. Ensure the refrigerator has proper clearances.

Problem	Possible Causes	Solutions
Refrigerator or Freezer section is too warm.	Refrigerator was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Air vents are blocked.	Rearrange items to allow air to flow throughout the compartment. Refer to the Airflow diagram in the Using Your Refrigerator section.
	Doors are opened often or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. To lessen the effect, reduce the frequency and duration of door openings.
	Unit is installed in a hot location.	The refrigerator should not be operated in temperatures above 43°C.
	A large amount of food or hot food was added to either compartment.	Adding food warms the compartment requiring the cooling system to run. Allowing hot food to cool to room temperature before putting it in the refrigerator will reduce this effect.
	Doors not closed correctly.	See the Doors will not close correctly or pop open section in Parts & Features Troubleshooting.
	Temperature control is not set correctly.	If the temperature is too warm, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Defrost cycle has recently completed.	During the defrost cycle, the temperature of each compartment may raise slightly and condensation may form on the back wall. Wait 30 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.

Problem	Possible Causes	Solutions
Interior moisture buildup.	Doors are opened often or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. To lessen the effect, reduce the frequency and duration of door openings.
	Doors not closed correctly.	See the Doors will not close correctly section in the Troubleshooting section.
	Weather is humid.	Humid weather allows additional moisture to enter the compartments when the doors are opened leading to condensation or frost. Maintaining a reasonable level of humidity in the home will help to control the amount of moisture that can enter the compartments.
	Defrost cycle recently completed.	During the defrost cycle, the temperature of each compartment may raise slightly and condensation may form on the back wall. Wait 30 minutes and confirm that the proper temperature has been restored once the defrost cycle has completed.
	Food is not packaged correctly.	Food stored uncovered or unwrapped, and damp containers can lead to moisture accumulation within each compartment. Wipe all containers dry and store food in sealed packaging to prevent condensation and frost.
Food is freezing in the refrigerator compartment.	Food with high water content was placed near an air vent.	Rearrange items with high water content away from air vents.
	Refrigerator temperature control is set incorrectly.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Refrigerator is installed in a cold location.	When the refrigerator is operated in ambient temperatures below 5°C, food can freeze in the refrigerator compartment. The refrigerator should not be operated in ambient temperatures below 13°C.
Frost or ice crystals form on frozen food (outside of package).	Door is opened frequently or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. Increased moisture will lead to frost and condensation. To lessen the effect, reduce the frequency and duration of door openings.
	Door is not closing properly.	Refer to the Doors will not close correctly or pop open section in the Troubleshooting section.
Refrigerator or Freezer section is too cold.	Incorrect temperature control settings.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.

Problem	Possible Causes	Solutions
Frost or ice crystals on frozen food (inside of sealed package).	Condensation from food with a high water content has frozen inside of the food package.	This is normal for food items with a high water content.
	Food has been left in the freezer for a long period of time.	Do not store food items with high water content in the freezer for a long period of time.
Icemaker is not making enough ice.	Demand exceeds ice storage capacity.	The icemaker can produce approximately 52~140 cubes in a 24 hour period only under favorable conditions.
	House water supply is not connected, valve is not turned on fully, or valve is clogged.	Connect the refrigerator to a cold water supply with adequate pressure and turn the water shutoff valve fully open. If the problem persists, it may be necessary to contact a plumber.
	Water filter has been exhausted.	It is recommended that you replace the water filter: • Approximately every six months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	Low house water supply pressure.	The water pressure must be between 140 ~ 860 kpa on models without a water filter and between 275 ~ 860 kpa on models with a water filter. If the problem persists, it may be necessary to contact a plumber.
	Reverse Osmosis filtration system is used.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to Water Pressure section.)
	Tubing connecting refrigerator to house supply valve is kinked.	The tubing can kink when the refrigerator is moved during installation or cleaning resulting in reduced water flow. Straighten or repair the water supply line and arrange it to prevent future kinks.

Problem	Possible Causes	Solutions
Icemaker is not making enough ice (continued).	Doors are opened often or for long periods of time.	If the doors of the unit are opened often, ambient air will warm the refrigerator which will prevent the unit from maintaining the set temperature. Lowering the refrigerator temperature can help, as well as not opening the doors as frequently.
	Doors are not closed completely.	If the doors are not properly closed, ice production will be affected. See the Doors will not close completely or pop open section in Parts & Features Troubleshooting for more information.
	The temperature setting for the freezer is too warm.	The recommended temperature for the freezer compartment for normal ice production is -18°C. If the freezer temperature is warmer, ice production will be affected.
Dispensing water slowly.	Water filter has been exhausted.	It is recommended that you replace the water filter: • Approximately every six months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	Reverse osmosis filtration system is used.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. If the problem persists, it may be necessary to contact a plumber.
	Low house water supply pressure.	The water pressure must be between 140 ~ 860 kpa on models without a water filter and between 275 ~ 860 kpa on models with a water filter. If the problem persists, it may be necessary to contact a plumber.

Problem	Possible Causes	Solutions
Not dispensing ice.	Doors are not closed completely.	Ice will not dispense if any of the refrigerator doors are left open.
	Infrequent use of the dispenser.	Infrequent use of the ice dispenser will cause the cubes to stick together over time, which will prevent them from properly dispensing. Check the ice bin for ice cubes clumping/sticking together. If they are, break up the ice cubes to allow for proper operation.
	The delivery chute is clogged with frost or ice fragments.	Eliminate the frost or ice fragments by removing the ice bin and clearing the chute with a plastic utensil. Dispensing cubed ice can also help prevent frost or ice fragment buildup.
	The dispenser display is locked.	Press and hold the Lock button for three seconds to unlock the control panel and dispenser.
	Ice bin is empty.	It may take up to 24 hours for each compartment to reach the desired temperature and for the icemaker to begin making ice. Make sure that the shutoff (arm/sensor) is not obstructed. Once the ice supply in the bin has been completely exhausted, it my take up to 90 minutes before additional ice is available, and approximately 24 hours to completely refill the bin.
Icemaker is not making ice.	Refrigerator was recently installed or icemaker recently connected.	It may take up to 24 hours for each compartment to reach the desired temperature and for the icemaker to begin making ice.
	Icemaker not turned on.	Locate the icemaker on/off switch and confirm that it is in the ON (I) position.
	The ice detecting sensor is obstructed.	Foreign substances or frost on the ice-detecting sensor can interrupt ice production. Make sure that the sensor area is clean at all times for proper operation.
	The refrigerator is not connected to a water supply or the supply shutoff valve is not turned on.	Connect refrigerator to the water supply and turn the water shutoff valve fully open.
	Icemaker shutoff (arm or sensor) obstructed.	If your icemaker is equipped with an ice shutoff arm, make sure that the arm moves freely. If your icemaker is equipped with the electronic ice shutoff sensor, make sure that there is a clear path between the two sensors.
	Reverse osmosis water filtration system is connected to your cold water supply.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to the Water Pressure section.)

Problem	Possible Causes	Solutions
Not dispensing water.	New installation or water line recently connected.	Dispense 10 liters of water (flush for approximately 5 minutes) to remove trapped air and contaminates from the system. Do not dispense the entire 10 liter amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.
	The dispenser panel is locked.	Press and hold the Lock button for three seconds to unlock the control panel and dispenser.
	The dispenser is not set for water dispensing.	The dispenser can be set for ice or water. Make certain that the control panel is set for the proper operation. Press the Water button on the control panel to dispense water.
	Refrigerator or freezer doors are not closed properly.	Water will not dispense if any of the refrigerator doors are left open.
	Water filter has been recently removed or replaced.	After the water filter is replaced, dispense 10 liters of water (flush for approximately 5 minutes) to remove trapped air and contaminates from the system. Do not dispense the entire 10 liter amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.
	Tubing connecting refrigerator to house supply valve is kinked.	The tubing can kink when the refrigerator is moved during installation or cleaning resulting in reduced water flow. Straighten or repair the water supply line and arrange it to prevent future kinks.
	The house water supply is not connected, the valve is not turned on fully, or the valve is clogged.	Connect refrigerator to the water supply and turn the water shutoff valve fully open. If the problem persists, it may be necessary to contact a plumber.

Problem	Possible Causes	Solutions
Ice has bad taste or odor.	Water supply contains minerals such as sulfur.	A water filter may need to be installed to eliminate taste and odor problems. NOTE: In some cases, a filter may not help. It may not be possible to remove all minerals / odor / taste in all water supplies.
	Icemaker was recently installed.	Discard the first few batches of ice to avoid discolored or bad tasting ice.
	Ice has been stored for too long.	Ice that has been stored for too long will shrink, become cloudy, and may develop a stale taste. Throw away old ice and make a new supply.
	The food has not been stored properly in either compartment.	Rewrap the food. Odors may migrate to the ice if food is not wrapped properly.
	The interior of the refrigerator needs to be cleaned.	See the Care and Cleaning section for more information.
	The ice storage bin needs to be cleaned.	Empty and wash the bin (discard old cubes). Make sure that the bin is completely dry before reinstalling it.
Dispensing warm water.	Refrigerator was recently installed.	Allow 24 hours after installation for the water storage tank to cool completely.
	The water dispenser has been used recently and the storage tank was exhausted.	Depending on your specific model, the water storage capacity will range from approximately 350 ~ 400 ml.
	Dispenser has not been used for several hours.	If the dispenser has not been used for several hours, the first glass dispensed may be warm. Discard the first 300 ml.
	Refrigerator is connected to the hot water supply.	Make sure that the refrigerator is connected to a cold water pipe. ⚠ WARNING: Connecting the refrigerator to a hot water line may damage the icemaker.
Water has bad taste or odor.	Water supply contains minerals such as sulfur.	A water filter may need to be installed to eliminate taste and odor problems.
	Water filter has been exhausted.	It is recommended that you replace the water filter: • Approximately every 6 months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	Refrigerator was recently installed.	Dispense 10 liters of water (flush for approximately 5 minutes) to remove trapped air and contaminates from the system. Do not dispense the entire 10 liter amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.

Problem	Possible Causes	Solutions
Icemaker is making too much ice.	Icemaker shutoff (arm/sensor) is obstructed.	Empty the ice bin. If your icemaker is equipped with an ice shutoff arm, make sure that the arm moves freely. If your icemaker is equipped with the electronic ice shutoff sensor, make sure that there is a clear path between the two sensors. Reinstall the ice bin and wait 24 hours to confirm proper operation.
Clicking	The defrost control will click when the automatic defrost cycle begins and ends. The thermostat control (or refrigerator control on some models) will also click when cycling on and off.	Normal Operation
Rattling	Rattling noises may come from the flow of refrigerant, the water line on the back of the unit, or items stored on top of or around the refrigerator.	If the rattling continues for more than 15 seconds after the refrigerator was moved, turn the power off wait for 3 minutes and then back on again.
	Refrigerator is not resting solidly on the floor.	Floor is weak or uneven or leveling legs need to be adjusted. See the Door Alignment section.
	Refrigerator with linear compressor was jarred while running.	Normal Operation
Whooshing	Evaporator fan motor is circulating air through the refrigerator and freezer compartments.	Normal Operation
	Air is being forced over the condenser by the condenser fan.	Normal Operation
Gurgling	Refrigerant flowing through the cooling system.	Normal Operation
Popping	Contraction and expansion of the inside walls due to changes in temperature.	Normal Operation
Sizzling	Water dripping on the defrost heater during a defrost cycle.	Normal Operation
Vibrating	If the side or back of the refrigerator is touching a cabinet or wall, some of the normal vibrations may make an audible sound.	To eliminate the noise, make sure that the sides and back cannot vibrate against any wall or cabinet.
Dripping	Water running into the drain pan during the defrost cycle.	Normal Operation

Problem	Possible Causes	Solutions
Pulsating or High-Pitched Sound	Your refrigerator is designed to run more efficiently to keep your food items at the desired temperature. The high efficiency compressor may cause your new refrigerator to run longer than your old one, but it is still more energy efficient than previous models. While the refrigerator is running, it is normal to hear a pulsating or high-pitched sound.	Normal Operation
Doors will not close correctly or pop open.	Food packages are blocking the door open.	Rearrange food containers to clear the door and door shelves.
	Ice bin, crisper cover, pans, shelves, door bins, or baskets are out of position.	Push bins all the way in and put crisper cover, pans, shelves and baskets into their correct positions. See the Using Your Refrigerator section for more information.
	The doors were removed during product installation and not properly replaced.	Remove and replace the doors according to the Removing and Replacing Refrigerator Handles and Doors section.
	Refrigerator is not leveled properly.	See Door Alignment in the Refrigeration Installation section to level refrigerator.
Doors are difficult to open.	The gaskets are dirty or sticky.	Clean the gaskets and the surfaces that they touch. Rub a thin coat of appliance polish or kitchen wax on the gaskets after cleaning.
	Door was recently closed.	When you open the door, warmer air enters the refrigerator. As the warm air cools, it can create a vacuum. If the door is hard to open, wait one minute to allow the air pressure to equalize, then see if it opens more easily.
Refrigerator wobbles or seems unstable.	Leveling legs are not adjusted properly.	Refer to the Leveling and Door Alignment section.
	Floor is not level.	It may be necessary to add shims under the leveling legs or rollers to complete installation.
Lights do not work.	LED interior lighting failure.	The refrigerator compartment lamp is LED interior lighting, and service should be performed by a qualified technician.
Refrigerator has an unusual odor.	The Air Filter may need to be set to the MAX setting or replaced.	Set the Air Filter to the MAX setting. If the odor does not go away within 24 hours, the filter may need to be replaced. See the Replacing the Air Filter section for replacement instructions.
The interior of the refrigerator is covered with dust or soot.	The refrigerator is located near a fire source, such as a fireplace, chimney or candle.	Make sure that the refrigerator is not located near a fire source, such as a fireplace, chimney or candle.



Linear