LG
Life's Good

ENGLISH

OWNER'S MANUAL

FRENCH DOOR FRIDGE

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

GM84SDS

MFL68507619

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TABLE OF CONTENTS

3 PRODUCT FEATURES

4 IMPORTANT SAFETY INSTRUCTIONS

7 COMPONENTS

7 Fridge Exterior
8 Fridge Interior

9 INSTALLATION

9 Installation Overview
10 Unpacking Your Fridge
10 Choosing the Proper Location
10 - Flooring
11 - Ambient Temperature
11 - Measuring the Clearances
11 Removing/Assembling the Fridge Door Handles
12 Removing/Assembling the Freezer Drawer Handle
12 Removing/Assembling the Doors and Drawers
13 - Removing the Left Fridge Door
14 - Removing the Right Fridge Door
15 - Assembling the Right Fridge Door
16 - Assembling the Left Fridge Door
17 - Removing the CustomChill™ Drawer
18 - Assembling the CustomChill™ Drawer
18 - Removing the Freezer Drawer
20 - Assembling the Freezer Drawer
21 Connecting the Water Line
21 - Before You Begin
21 - Water Pressure
21 - What You Will Need
22 - Water Line Installation Instructions
24 Turning On the Power
25 Leveling and Door Alignment
25 - Leveling
25 - Door Alignment

26 HOW TO USE

26 Before Use
27 Control Panel
27 - Control Panel Features
29 In-Door Ice Bin
29 - Detaching the In-Door Ice Bin
29 - Assembling the In-Door Ice Bin
30 Automatic Icemaker
30 - Turning the Automatic Icemaker On or Off
31 - When You Should Turn the Icemaker Off
31 - Normal Sounds You May Hear
31 - Preparing for Vacation
32 Ice and Water Dispenser
32 - Dispenser
32 - Using the Dispenser
32 - Locking the Dispenser
32 - Cleaning the Dispenser Stand
33 Storing Food
33 - Food Preservation Location
34 - Food Storage Tips
34 - Storing Frozen Food
35 Glide'N'Access™
35 Extra Space
36 Detaching and Assembling the Storage Bins
37 Door-In-Door
38 CustomChill™ Drawer
39 Adjusting the Fridge Shelves

40 MAINTENANCE

40 Cleaning
41 Replacing the Water Filter

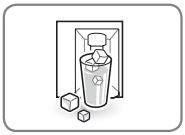
42 SMART DIAGNOSIS™

42 Using Smart Diagnosis™

43 TROUBLESHOOTING

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, chilled water.
The ice dispenser dispenses cubed and crushed ice.



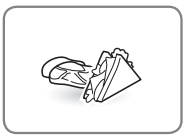
DOOR ALARM

The Door Alarm function is designed to prevent fridge malfunctioning that could occur if a fridge door or freezer drawer remains open. If a fridge door or freezer drawer is left open for more than 60 seconds, a warning alarm sounds at 30 second intervals.



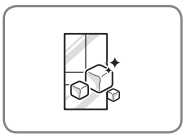
HUMIDITY CONTROLLED CRISPER

The Humidity Controlled Crisper is designed to help keep your fruits and vegetables fresh and crisp.



CUSTOMCHILL™ DRAWER

The CustomChill™ Drawer provides storage space with a variable temperature control that keeps the compartment either colder or warmer than the fridge. Use it to store meat and seafood, cold drinks, deli snacks, or chilled wine.



EXPRESS FREEZE

The freezer section is maintained at the coldest temperature for a 24-hour period before automatically resuming normal operation. The freezer display temperature will not change when Express Freeze is engaged. 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 You can be killed or seriously injured 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 fridge by pulling on the power cord. Always grip the plug firmly and pull it straight out from the outlet.
- 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. 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

- Contact an authorized service center before you install or relocate the fridge.
- When moving your fridge away from the wall, be careful not to roll over or damage the power cord.
- Prior to use, ensure that you are connecting this product to a dedicated, grounded electrical outlet rated for use with this product (115V, 60Hz, AC only). 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 fridge where there may be a danger of the unit falling.

Use

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

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

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

- This product is not to be used for special purposes such as the storage of medicine or test materials or for use on ships, etc.
- Unplug the power plug before cleaning or repairing the fridge.
- When you replace the light bulb in the fridge, unplug the fridge 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 interior odors.
- 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 can 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 adapter plug and plug the power plug into a multi-outlet extension cord.
- Disconnect the power cord immediately if you hear a noise, smell a strange odor or detect smoke coming from the appliance.
- Turn the power off if water or dust penetrates into the fridge. Call a service agent.
- Do not disassemble or modify the fridge.
- Do not put hands, feet, or metal objects below or behind the fridge.
- Do not operate the fridge or touch the power cord with wet hands.
- In fridges 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 fridge 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 fridge is in operation.
- Do not put glass containers, glass bottles or soda 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 the use of the appliance by a person responsible for their safety.
- Do not refreeze frozen food that has thawed completely. Doing so may result in a serious health issue.
- If you are throwing away your old fridge, make sure the CFC coolant is removed for proper disposal by a qualified servicer. If you release CFC coolant, you may be fined or imprisoned in accordance with the relevant environmental law.
- Junked or abandoned fridges are dangerous, even if they are sitting for only a few days. When disposing of the fridge, 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 connected to a circuit protected by fuses, use time delay fuse.

NOTE

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.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

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

⚠ CAUTION

Installation

- The fridge must be properly installed in accordance with the Installer Instructions that were taped to the front of the fridge.
- Be careful when you unpack and install the fridge. Immediately dispose of plastic and other packing materials out of reach of children.
- The appliance must be positioned for easy access to a power source.

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 nearby.
- If you store food improperly, be aware that it may fall and cause injury.
- Do not use aerosols near the fridge.
- Do not store articles on the top of the appliance.

Maintenance

- Do not use strong detergents like wax or thinners for cleaning. Clean with a soft cloth.
- Wipe foreign objects (such as dust and water) off the prongs of the power plug and contact areas regularly.
- Do not store, disassemble or repair the fridge by yourself.
- Remove any dust or foreign matter from the power plug pins.
- Do not use a wet or damp cloth when cleaning the plug.
- If the fridge is disconnected from the power supply, you should wait for at least five minutes before plugging it back in.
- If you notice a chemical or burning plastic smell or see smoke, unplug the fridge immediately and contact your LG Electronics Service Center.

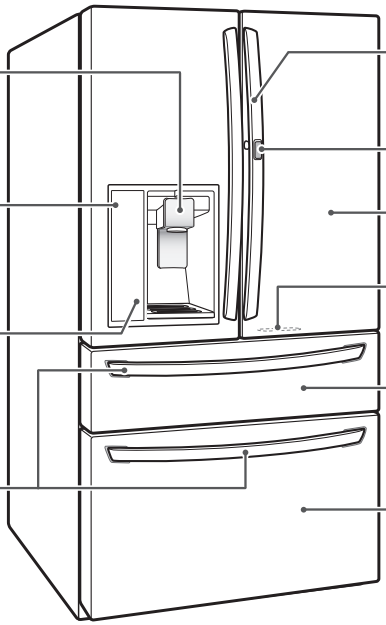
SAVE THESE INSTRUCTIONS

ENGLISH

COMPONENTS

Use this page to become more familiar with the parts and features of your fridge.
*The appearance and specifications of the actual product may differ depending on the model.

Fridge Exterior



Filtered Water and Ice Dispenser
Dispenses purified water and ice.

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

Control Panel
Sets the fridge and freezer temperatures, the water filter condition and the dispenser mode.

Ez Handle
Easily opens the freezer door.

Handle
Opens and closes the door.

Button

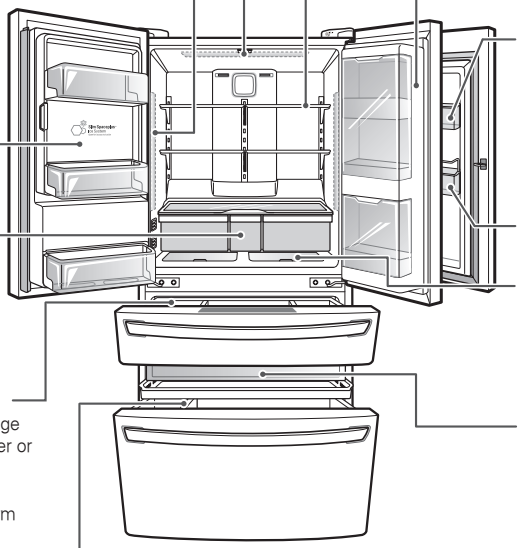
Fridge
Preserves food.

LED Light
LED lights up when the freezer door is opened.

CustomChill™ Drawer

Freezer
Preserves frozen food.

Fridge Interior



Adjustable Fridge Shelf
The shelves in your fridge are adjustable to meet your individual storage needs.

LED interior lamps
The interior lamps light up the inside of the fridge.

Door-In-Door Case
A convenient storage area for frequently-used items that require easy access.

Cheese & Butter Bin
Cheese & butter and Condiment bins, that are specially designed for these items, making spreading butter and slicing cheese easier.

Indoor Ice Bin
Ice cubes are automatically produced.

Condiment Bin

Crisper
Helps vegetables and fruits to stay crisp.

Extra Space
You can store small items, or defrost an item.

CustomChill™ Drawer
Variable temperature storage that can be set either colder or warmer than the fridge. The CustomChill™ drawer is not intended for long-term frozen storage.

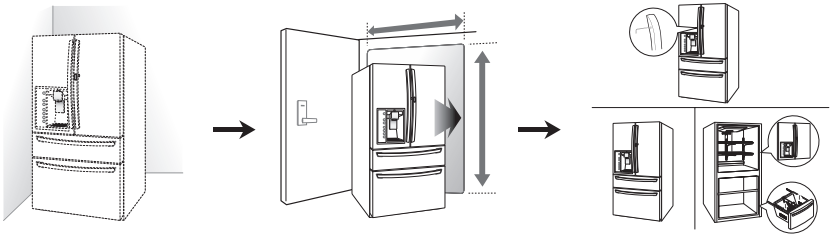
Pullout Drawer
Used for extra storage within the freezer compartment.

Durabase® and Durabase® Divider
The Durabase is a storage space recommended for the preservation of large food items. The Durabase Divider is used to organize the Durabase area into sections. It can be adjusted from side to side to accommodate items of different sizes.

INSTALLATION

Installation Overview

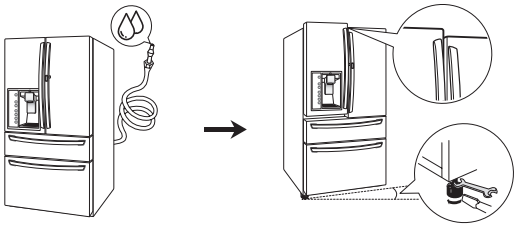
Please read the following installation instructions first after purchasing this product or transporting it to another location.



1 Unpacking your fridge

2 Choosing the proper location

3 Disassembling/Assembling



4 Connecting the water supply and water line

5 Leveling and Door Alignment

NOTE

Connect to potable water supply only.

Unpacking Your Fridge

WARNING

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

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

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 fridge.

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

Choosing the Proper Location

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

NOTE

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

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

WARNING

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

Flooring

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

NOTE

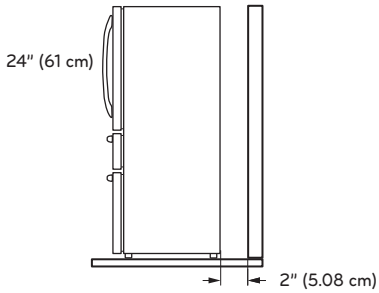
Installing on carpeting, soft tile surfaces, a platform or weakly supported structure is not recommended.

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.

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 fridge to open the doors, and at least 2 inches (5.08 cm) between the back of the fridge and the wall.



Removing/Assembling the Fridge Door Handles

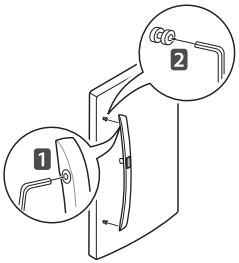
NOTE

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

Removing the Handles

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

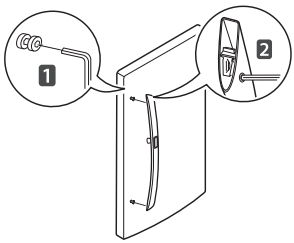
2 Loosen the mounting fasteners 2 that connect to the fridge door and handle using a $^{1}/_{4}$ in. Allen wrench, and remove the mounting fasteners.



Assembling the Handles

1 Assemble the mounting fasteners 1 at both ends of the handle using a $^{1}/_{4}$ in. Allen wrench.

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

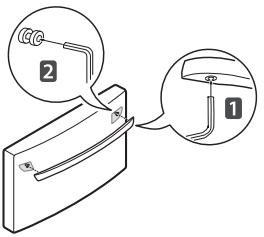


Removing/Assembling the Freezer Drawer Handle

Removing the Handle

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

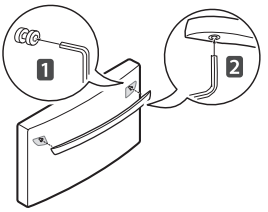
2 Loosen the mounting fasteners 2 that connect to the freezer drawer and handle using a 1/4 in. Allen wrench, and remove the mounting fasteners.



Assembling the Handle

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

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



WARNING

When assembling or disassembling the handle:

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

Removing/Assembling the Doors and Drawers

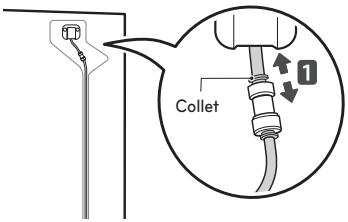
When it is necessary to move the fridge through a narrow opening, removing the doors is the recommended procedure.

WARNING

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

Removing the Left Fridge Door

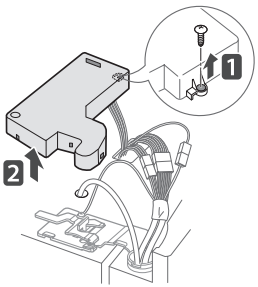
1 The water supply is connected to the upper right part of the rear surface of the fridge. Remove the ring in the joint area. Hold the water supply connection and gently push the Collet to detach the water supply line as shown in 1.



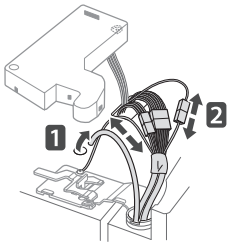
NOTE

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

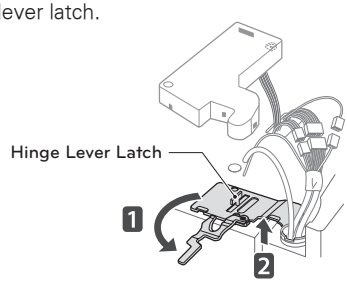
2 Remove the 1 screw from the hinge cover at the top of the fridge. Lift the hook (not visible), located at the bottom of the front side of the cover 2 with a flat-head screwdriver.



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



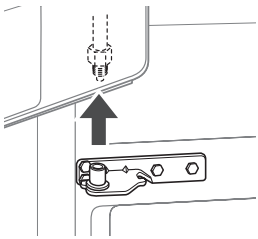
4 Rotate the hinge lever counterclockwise 1. Lift the top hinge 2 free of the hinge lever latch.



CAUTION

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

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

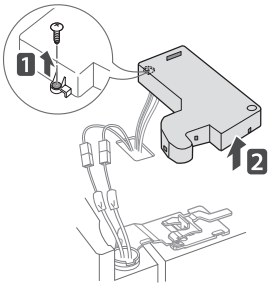


CAUTION

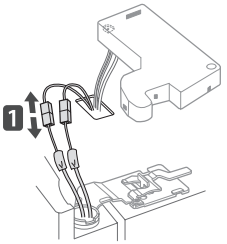
Place the door, inside facing up, on a non-scratching surface.

Removing the Right Fridge Door

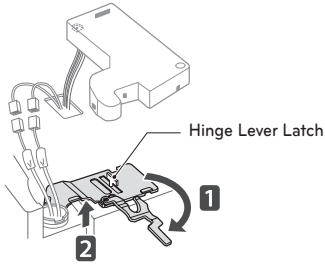
1 Remove the top hinge cover screw 1.
Lift the hook (not visible), located at the bottom of the front side of the cover 2, with a flat-head screwdriver.



2 Detach the wire harness 1.



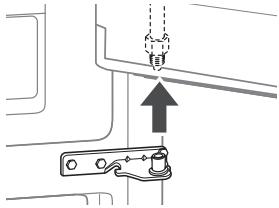
3 Rotate the hinge lever 1 clockwise.
Lift the top hinge 2 free of the hinge lever latch.



CAUTION

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

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



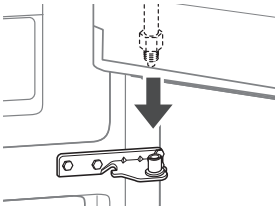
CAUTION

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

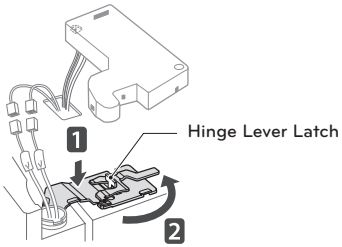
Assembling the Right Fridge Door

Install the right-side door first.

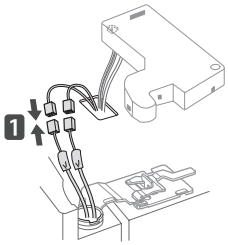
1 Make sure that the plastic sleeve is inserted in the bottom of the door. Lower the door onto the middle hinge pin as shown in the figure.



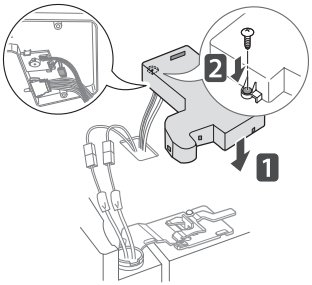
2 Fit the hinge 1 over the hinge lever latch and slot it into place. Rotate the lever 2 counterclockwise to secure the hinge.



3 Connect the wire harness 1.



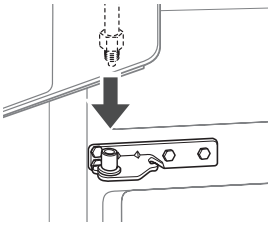
4 Make sure that the door-switch located inside the cover is tightly connected. Position the cover in its place. Insert and tighten the cover screw 2.



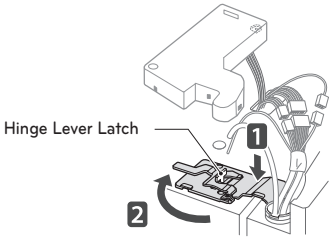
Assembling the Left Fridge Door

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

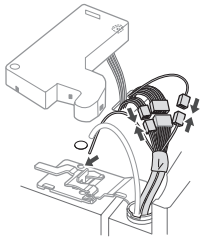
1 Make sure that the plastic sleeve is inserted in the bottom of the door. Install the fridge door onto the middle hinge.



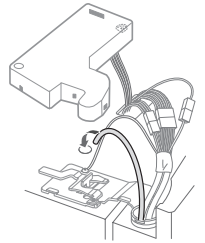
2 Fit the hinge 1 over the hinge lever latch and slot it into place. Rotate the lever clockwise 2 and fasten the hinge.



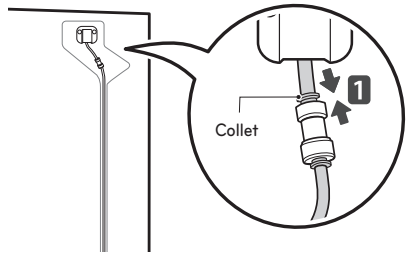
3 Connect all the wire harnesses.



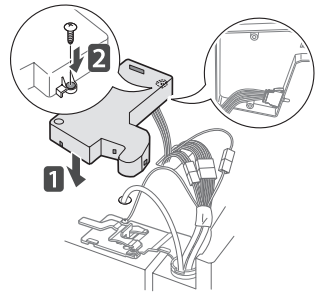
4 Push the water supply tube into the hole on the top case and pull it through the backplate.



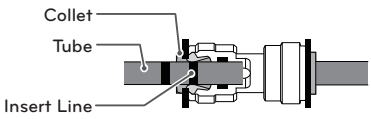
5 Hold the water supply connection and gently push in the collet to connect the water supply line as shown in 1. Insert the tube at least $^{5}/_{8}$ inch (15 mm) into the connector.



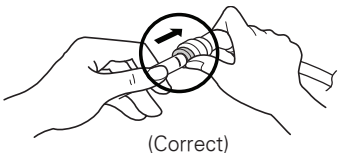
6 Make sure that the door-switch located inside the cover is tightly connected. Place the cover 1 in its position and tighten the cover screw 2.



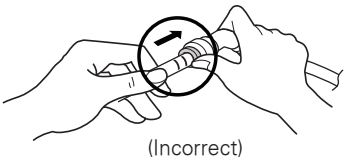
NOTE



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



(Correct)

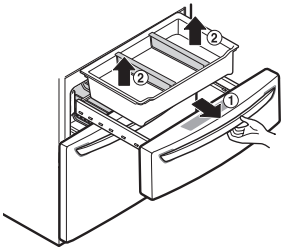


(Incorrect)

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

Removing the CustomChill™ Drawer

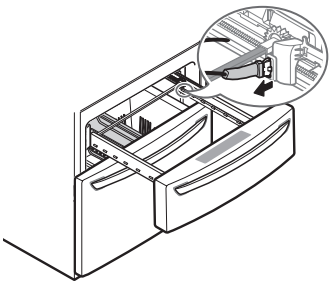
1 Pull the drawer open to full extension. Remove the basket by lifting the basket from the rail system.



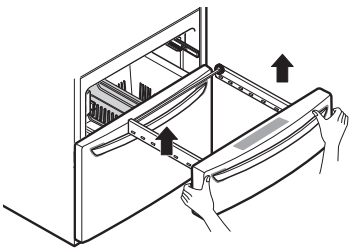
NOTE

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

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

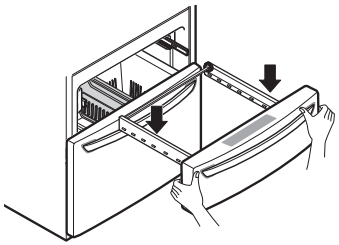


3 Hold both sides of the door and lift it to remove it from the rail system.

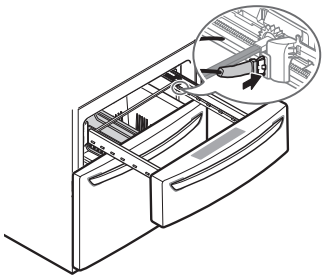


Assembling the CustomChill™ Drawer

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



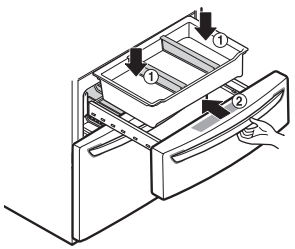
2 Reconnect the wire harness to the connection at the end of the right rail by aligning the two ends and pushing them together until you hear a click. The tabs should snap back into place. Tug gently to make sure the connection is secure.



NOTE

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

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



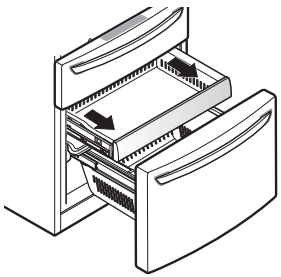
Removing the Freezer Drawer

CAUTION

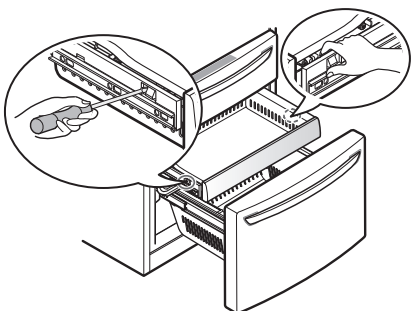
- Use two or more people to remove and install the freezer drawer. Failure to do so can result in back or other injury.
- Do not hold the handle when removing or replacing the drawer. The handle may come off, causing personal injury.
- Be careful of sharp hinges on both sides of the drawer.
- When you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

1 Pull the freezer drawer open to full extension.

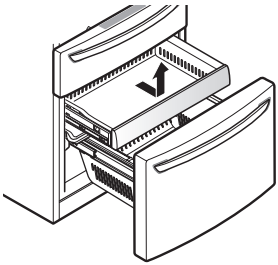
2 Remove the top pullout drawer by first pulling the drawer open to full extension.



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

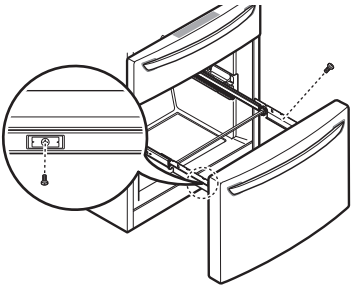


3 Remove the middle drawer by pulling the drawer out to full extension. Lift the front of the drawer up, then pull it straight out.



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

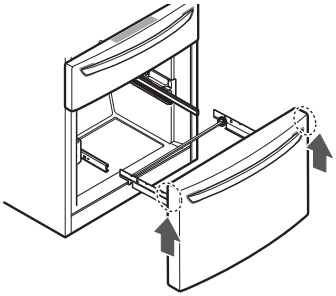
5 Remove the screws from the rails at both ends.



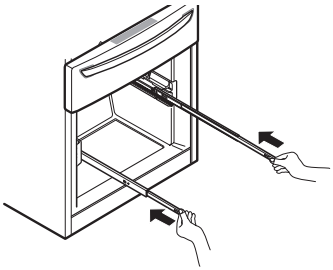
6 With both hands, grip both sides of the drawer and pull it up to remove it from the rails.

CAUTION

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

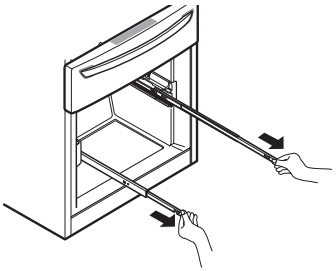


7 With both hands, hold each rail and push them in simultaneously.

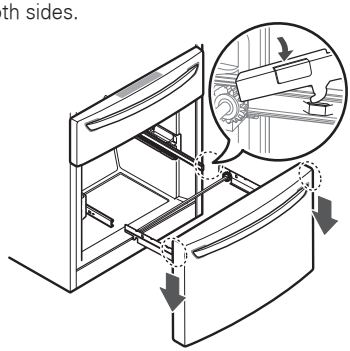


Assembling the Freezer Drawer

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



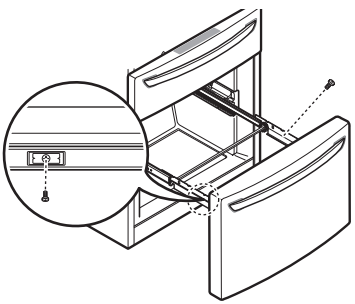
2 Grasp the drawer on each side and hook the drawer supports into the rail tabs located on both sides.



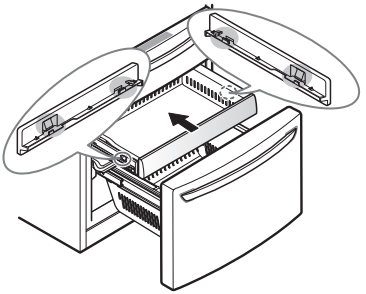
CAUTION

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

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

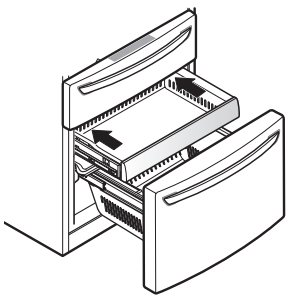


4 Insert the the top pullout drawer into the frame, and push the drawer back into place until you hear a click.



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

6 Insert the lower basket in the rail assembly.



Connecting the Water Line

Before You Begin

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

Water hammer (water banging in the pipes) in house plumbing can cause damage to fridge 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 fridge.

> **CAUTION**
> To prevent burns and product damage, only connect the fridge water line to a cold water supply.

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

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

Water Pressure

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

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

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

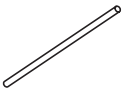
> **CAUTION**
> Wear eye protection during installation to prevent injury.

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

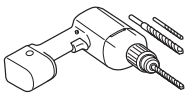
- Check to see if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If the issue concerning water pressure from reverse osmosis remains, call a licensed, qualified plumber.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

What You Will Need

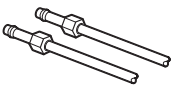
- **Copper Tubing,** ¼ in. outer diameter, to connect the fridge to the water supply. Be sure both ends of the tubing are cut square.
- To determine how much tubing you need: measure the distance from the water valve on the back of the fridge to the water supply pipe. Then, add 8 feet (2.4 m). Be sure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



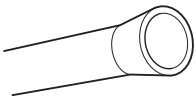
- **Power drill.**
- **½ in. or adjustable wrench.**
- **Flat blade and Phillips head screwdrivers.**



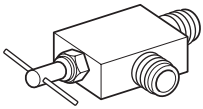
- **Two ¼ in. outer diameter compression nuts and 2 ferrules (sleeves)** to connect the copper tubing to the shutoff valve and the fridge water valve.



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



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



NOTE

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

Water Line Installation Instructions

WARNING

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

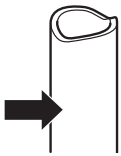
Install the shutoff valve on the nearest frequently used drinking water line.

1 SHUT OFF THE MAIN WATER SUPPLY

Turn on the nearest faucet to relieve the pressure on the line.

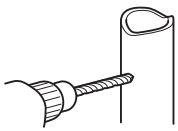
2 CHOOSE THE VALVE LOCATION

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



3 DRILL THE HOLE FOR THE VALVE

Drill a ¼ in. hole in the water pipe using a sharp bit. Remove any burrs resulting from drilling the hole in the pipe. Be careful not to allow water to drain into the drill. Failure to drill a ¼ in. hole may result in reduced ice production or smaller cubes.

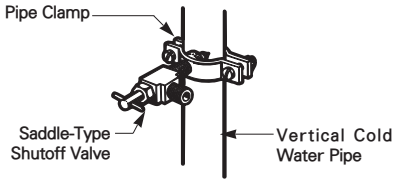


NOTE

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

4 FASTEN THE SHUTOFF VALVE

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



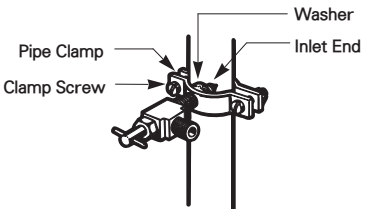
NOTE

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

5 TIGHTEN THE PIPE CLAMP

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

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



6 ROUTE THE TUBING

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

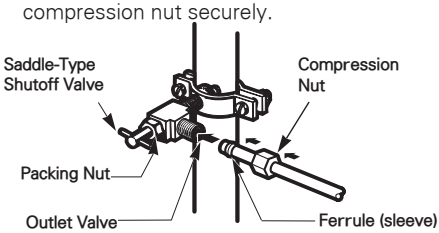
Route the tubing through a hole drilled in the wall or floor (behind the fridge or adjacent base cabinet) as close to the wall as possible.

NOTE

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

7 CONNECT THE TUBING TO THE VALVE

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



8 FLUSH OUT THE TUBING



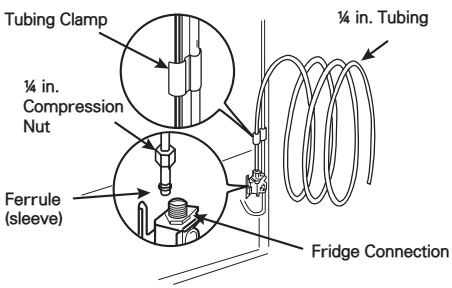
Turn the main water supply on and flush out the tubing until the water is clear.

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

9 CONNECT THE TUBING TO THE REFRIGERATOR

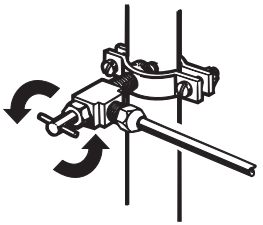
NOTE: Before making the connection to the fridge, be sure that the fridge power cord is not plugged into the wall outlet.

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



10 TURN THE WATER ON AT THE SHUTOFF VALVE

Tighten any connections that leak.



CAUTION

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

11 PLUG IN THE REFRIGERATOR

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

12 START THE ICEMAKER

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

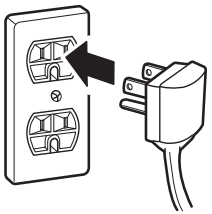
The icemaker will not begin to operate until it reaches its operating temperature of –9°C or below. It will then begin operation automatically if the icemaker power switch is in the **ON (I)** position.

NOTE

Use only new hose-sets supplied whit the appliance and do not reuse old hose-sets.

Turning On The Power

Plug in the fridge.



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

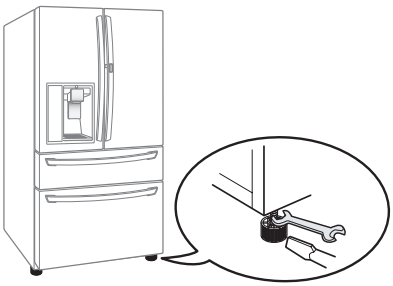
Leveling and Door Alignment

Leveling

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

Your fridge 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 fridge seems unsteady, or you want the doors to close more easily, adjust the fridge's tilt using the instructions below:

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



NOTE

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

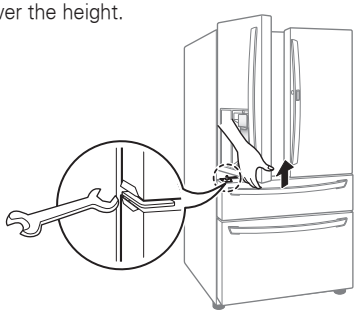
2 Open both doors again and check to make sure that they close easily. If the doors do not close easily, tilt the fridge slightly more to the rear by turning both leveling legs to the left. It may take several more turns, and you should turn both leveling legs the same amount.

Door Alignment

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

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

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



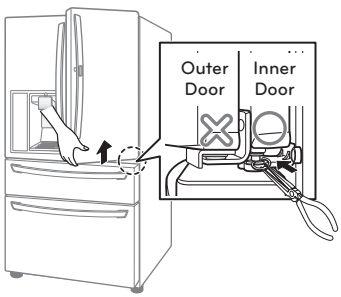
The right fridge door does not have an adjustable nut.

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 fridge.

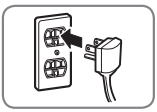
Clean your fridge thoroughly and wipe off all dust that accumulated during shipping.

CAUTION

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

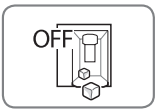
NOTE

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



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

Turn off the automatic icemaker and then plug the power plug of the fridge 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 fridge to malfunction.

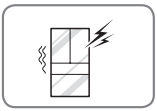


Wait for the fridge to cool.

Allow your fridge 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.

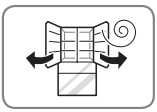
CAUTION

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



The fridge makes a loud noise after initial operation.

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



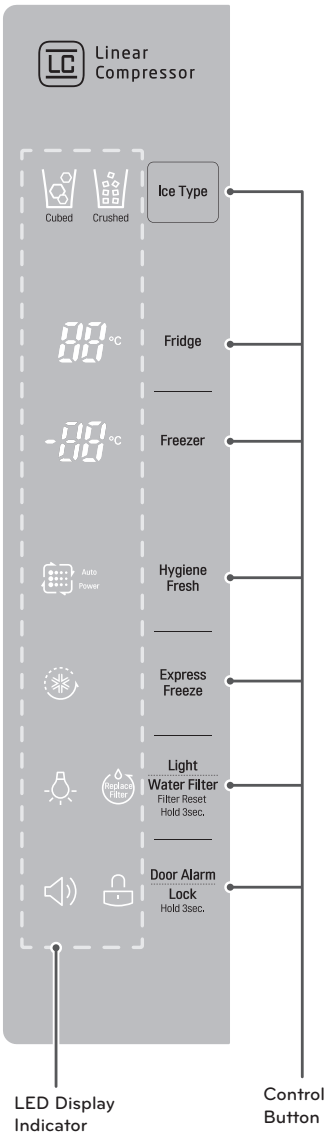
Open fridge doors and freezer drawers to ventilate the interior.

The inside of the fridge may smell like plastic at first. Remove any adhesive tape from inside the fridge and open the fridge doors and the freezer drawers for ventilation.

Control Panel

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

Control Panel Features



Ice Type

Cubed Crushed

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

Fridge Temperature

Indicates the set temperature of the fridge compartment in Celsius (°C).

Freezer Temperature

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

NOTE

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

Hygiene Fresh

Auto Power [Auto PWR (On some models)]

The Hygiene Fresh helps remove odors from the fridge. The Hygiene Fresh function has three modes, The Hygiene Fresh function has three modes, Off(default mode when icon is not lit up), Auto(when icon is lit up) and Power(when icon and Power are lit up). Power mode can be engaged by pressing the Hygiene Fresh touch control respectively.

Off>Auto>Power>Off>Auto….

Power mode will resume back to Auto mode after 4 hours.

Control Panel Features (continued)

Express Freeze

This function increases both ice making and freezing capabilities.

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

Light

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

Change Water Filter

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

Door Alarm

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

Lock

The Lock function disables every other button on the display.

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

Power Saving Mode

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

CAUTION

Display Mode (For Store Use Only)

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

To deactivate / activate:

With either fridge door opened, press and hold the Fridge and press Express Freeze button 3times. The control panel will beep and the temperature settings will display to confirm that Display Mode is deactivated. Use the same procedure to activate the Display Mode.

In-Door Ice Bin

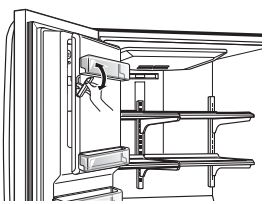
* Depending on the model, some of the following functions may not be available.

CAUTION

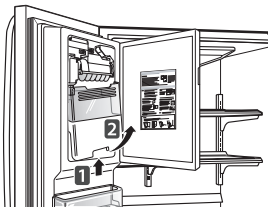
- Keep hands and tools out of the ice compartment door and dispenser chute. Failure to do so may result in damage or personal injury.
- The icemaker will stop producing ice when the in-door ice bin is full. If you need more ice, empty the ice bin into the extra ice bin in the freezer compartment. During use, the ice can become uneven causing the icemaker to misread the amount of ice cubes and stop producing ice. Shaking the ice bin to level the ice within it can reduce this problem.
- Storing cans or other items in the ice bin will damage the icemaker.
- Keep the ice compartment door closed tightly. If the ice compartment door is not closed tightly, the cold air in the ice bin will freeze food in the fridge 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 fridge 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.

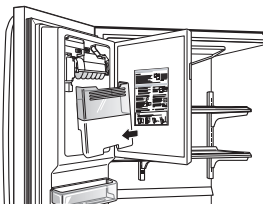


2 To remove the in-door ice bin, grip the front handle, slightly lift the lower part, and slowly pull out the bin as shown.

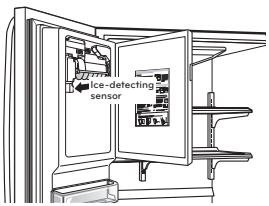


Assembling the In-Door Ice Bin

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.

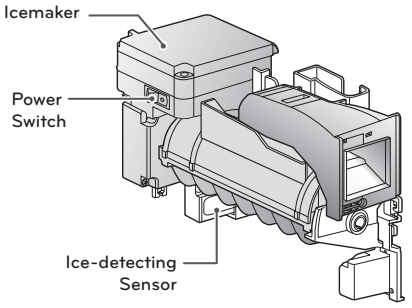
Ice is made in the automatic icemaker and sent to the dispenser. The icemaker will produce 70~182 cubes in a 24-hour period, depending on freezer compartment temperature, room temperature, number of door openings and other operating conditions.

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

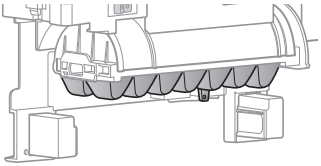
⚠ WARNING

Personal Injury Hazard

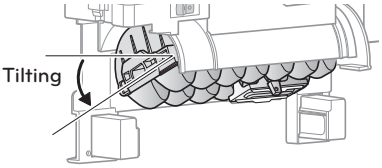
DO NOT place fingers or hands on the automatic ice making mechanism while the fridge is plugged in.



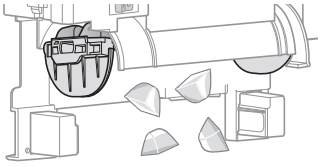
Water fills the ice tray.



1 hour later from supplying water



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



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

Turning the Automatic Icemaker On or Off

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

Automatic Icemaker (continued)

CAUTION

- The first ice and water dispensed may include particles or odor from the water supply line or the water tank.
- Throw away the first few batches of ice. This is also necessary if the fridge 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 fridge 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 fridge 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 fridge.

NOTE

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

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

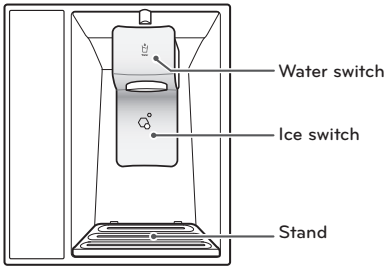
Ice and Water Dispenser

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

CAUTION

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

Dispenser

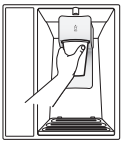
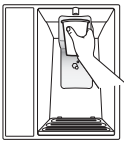


Using the Dispenser

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

NOTE

- If discolored ice is dispensed, check the water filter and water supply. If the problem continues, contact a qualified service center. Do not use the ice or water until the problem is corrected.
- The dispenser will not operate when either of the fridge 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.

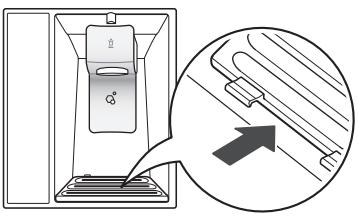
	Incorrect Way	Correct Way
Water		
Ice		

CAUTION

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

Cleaning the Dispenser Stand

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

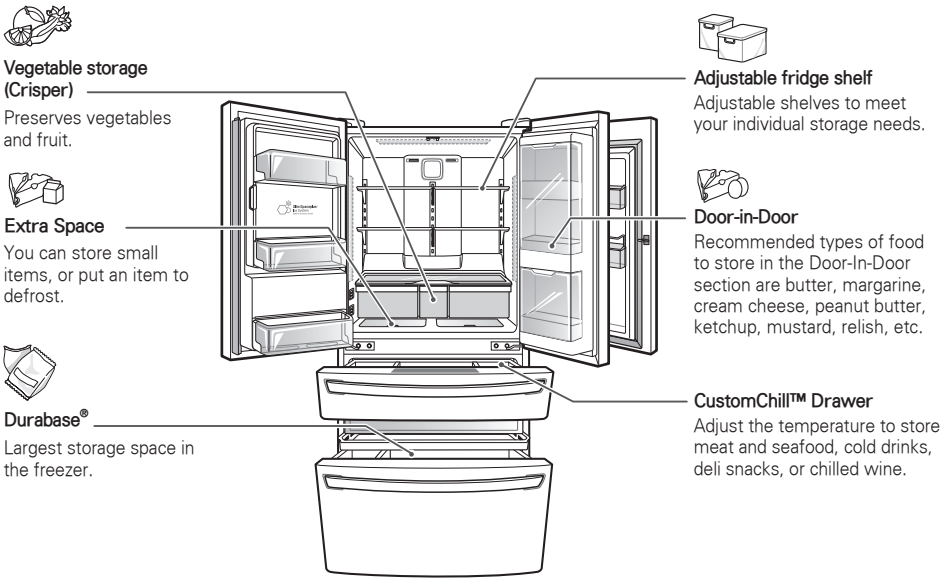


2 Wipe out dirty areas with a clean cloth.

Storing Food

Food Preservation Location

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

NOTE

- If you are leaving home for a short period of time, like a short vacation, the fridge 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 fridge 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 fridge.

Food Storage Tips

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

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

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

Storing Frozen Food

NOTE

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

Freezing

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

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

NOTE

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

Storing Frozen Food (continued)

Packaging

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

Packaging recommendations:

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

Follow package or container instructions for proper freezing methods.

Do not use

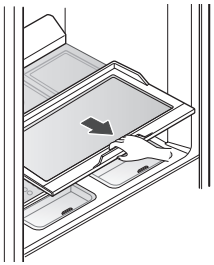
- Bread wrappers
- Non-polyethylene plastic containers
- Containers without tight lids
- Wax paper or wax-coated freezer wrap
- Thin, semi-permeable wrap

Glide'N'Access™

The Glide'N'Access™ slides out for easy loading of large items, like sheet cakes or deli trays, and to give you easy access to items stored at the back of the shelf.
To slide out, grasp the handle at the front of the shelf and gently pull forward. Push back to slide in.

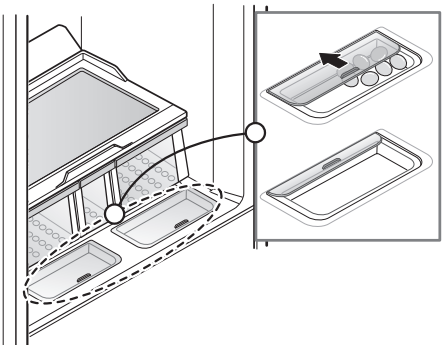
CAUTION

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



Extra Space

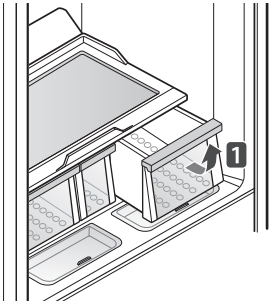
The Extra Space compartments are slightly cooler than the shelf or door bin areas, so they are a convenient place to store dairy snacks or other small items you want to keep especially cold. They are also a handy place to defrost meat.
Open and close by pulling the handle.



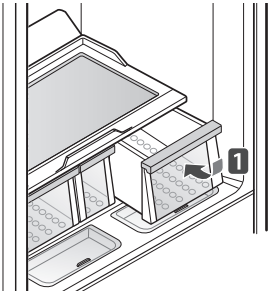
Detaching and Assembling the Storage Bins

Glide'N'Access™ Crisper

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

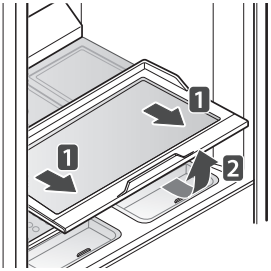


To install, slightly tilt up the front, insert the drawer into the frame and push it back into place.



To Remove Glide'N'Access™

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

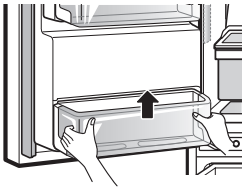


Door Bins

The door bins are removable for easy cleaning and adjustment.

1 To remove the bin, simply lift the bin up and pull straight out.

2 To replace the bin, slide it in above the desired support and push down until it snaps into place.



NOTE

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

CAUTION

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

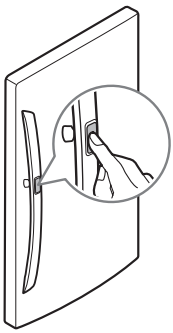
Door-In-Door

Door-In-Door Compartment

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

It is not necessary to grip the door handle when pressing the button to open the Door-In-Door compartment.

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

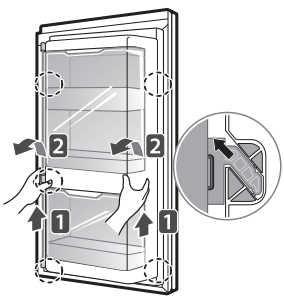


Door-In-Door Case

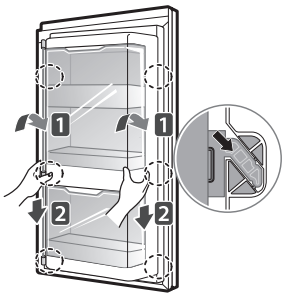
To open the Door-In-Door case, slightly push the marked area to pop it open. The Door-In-Door Case is removable for easy cleaning and adjustment.



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



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

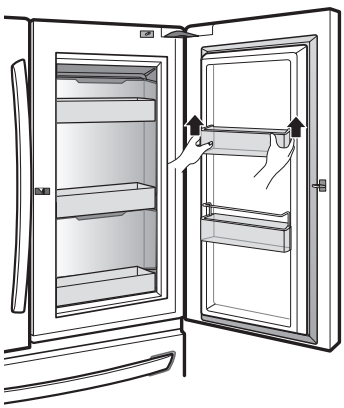


Door-In-Door Door Bins

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

1 To remove the door bins, lift up and pull out.

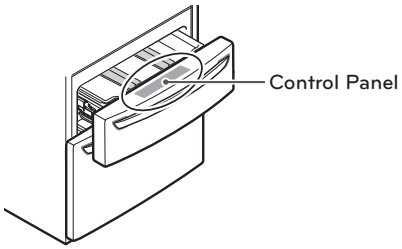
2 To replace the door bins, slide the door bin in above the desired support and push down until it snaps into place.



CustomChill™ Drawer



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



Setting the Temperature



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

Control Lock



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

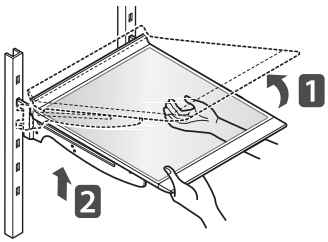
Adjusting the Fridge Shelves

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

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

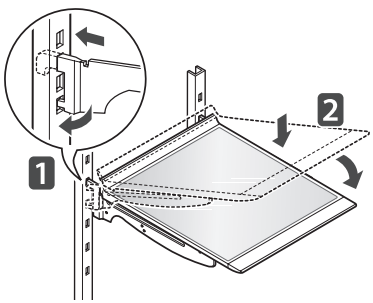
Detaching the Shelf

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.

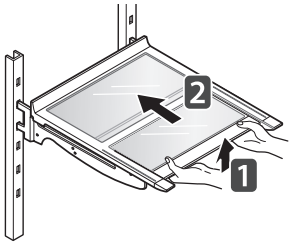


CAUTION

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



CAUTION

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

MAINTENANCE

Cleaning

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

General Cleaning Tips

- Unplug fridge 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 auto paste 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.

CAUTION

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

WARNING

Use non-flammable cleaner. Failure to do so can result in fire, explosion, or death.

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

To help remove odors, you can wash the inside of the fridge 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 fridge.

Door Liners and Gaskets

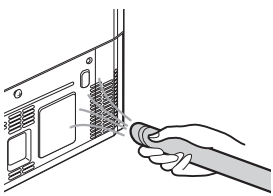
Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use cleaning waxes, concentrated detergents, bleaches, or cleaners containing petroleum on plastic fridge parts.

Plastic Parts (covers and panels)

Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use glass cleaners, 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.



Replacing the Water Filter

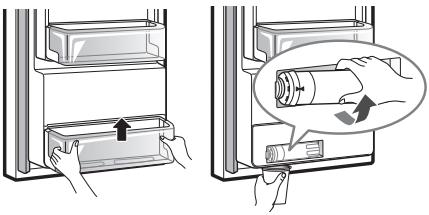
> **NOTE**
>
> This fridge does not require a filter bypass plug when the filter is not in place.

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.

1 Remove the old water filter.

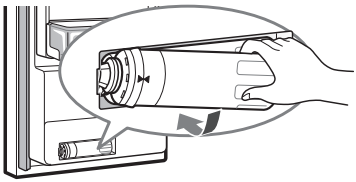
Lift up and remove the lower door bin. Swing the right end of the water filter out of the compartment and then grasp and rotate the filter counterclockwise to remove it from the filter head.



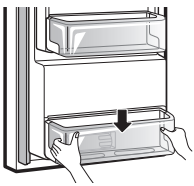
> **NOTE**
>
> Replacing the water filter could cause a small amount of water to drain. Place a cup under the filter head to catch any water.

2 Replace with a new water filter.

Insert the new filter into the filter head and rotate it clockwise until the arrow on the new filter lines up with the arrow on the filter head. Swing the filter back into the compartment.



3 Assemble the door bin.



SMART DIAGNOSIS

Should you experience any problems with your fridge, it has the capability of transmitting data via your telephone to the LG service center. This allows you to speak 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.

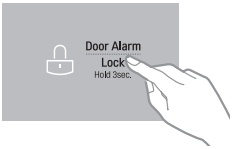
If you experience problems with your fridge, call 01-8000-910-683. Only use the Smart Diagnosis™ feature when instructed to do so by the LG call center agent. The transmission sounds that you will hear are normal and sound similar to a fax machine.

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

Using Smart Diagnosis™

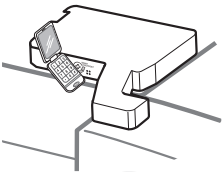
First, call 01-8000-910-683. Only use the Smart Diagnosis™ feature when instructed to do so by the LG call center agent.

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.)

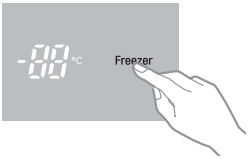


2 Open the right fridge door.

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



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



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

6 Keep the phone in place until the tone transmission has finished. This takes about 6 seconds, and 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 a land line rather than a cell phone 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 malfunction.

TROUBLESHOOTING

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

Problem	Possible Causes	Solutions
Fridge and Freezer section are not cooling.	The fridge control is set to OFF (some models).	Turn the control ON. Refer to the Setting the Controls section for proper temperature settings.
	Fridge is in the defrost cycle.	During the defrost cycle, the temperature of each compartment may rise slightly. Wait 30 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.
	Fridge was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Fridge was recently relocated.	If the fridge was stored for a long period of time or moved on its side, it is necessary for the fridge to stand upright for 24 hours before connecting it to power.
Cooling System runs too much.	Fridge is replacing an older model.	Modern fridges require more operating time but use less energy due to more efficient technology.
	Fridge was recently plugged in or power restored.	The fridge 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 fridge, requiring the compressor to run longer in order to cool the fridge back down. In order to conserve energy, try to get everything you need out of the fridge 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.
	Fridge 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 fridge 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.

Problem	Possible Causes	Solutions
Fridge or Freezer section is too warm.	Fridge 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 Fridge 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 fridge 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 fridge will reduce this effect.
	Doors not closed correctly.	See the Doors will not close correctly or pop open section in 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 rise 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 rise 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 fridge compartment.	Food with high water content was placed near an air vent.	Rearrange items with high water content away from air vents.
	Fridge 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.
	Fridge is installed in a cold location.	When the fridge is operated in temperatures below 5°C, food can freeze in the fridge compartment. The fridge should not be operated in 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.
Fridge 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 will produce approximately 70~182 cubes in a 24 hour period.
	House water supply is not connected, valve is not turned on fully, or valve is clogged.	Connect the fridge 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 20~120 psi or 138~827 kPa or 1.4~8.4 kgf/cm² on models without a water filter and 40~120 psi or 276~827 kPa or 2.8~8.4 kgf/cm² on models with a water filter. If 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 fridge to house supply valve is kinked.	The tubing can kink when the fridge 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 fridge which will prevent the unit from maintaining the set temperature. Lowering the fridge 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 20~120 psi or 138~827 kPa or 1.4~8.4 kgf/cm² on models without a water filter and 40~120 psi or 276~827 kPa or 2.8~8.4 kgf/cm² on models with a water filter. If 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 fridge 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.	Fridge 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 fridge is not connected to a water supply or the supply shutoff valve is not turned on.	Connect fridge 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 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon 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.
	Fridge or freezer doors are not closed properly.	Water will not dispense if any of the fridge doors are left open.
	Water filter has been recently removed or replaced.	After the water filter is replaced, dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.
	Tubing connecting fridge to house supply valve is kinked.	The tubing can kink when the fridge 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 fridge 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 fridge 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.	Fridge 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 20 to 30 oz.
	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 10 oz.
	Fridge is connected to the hot water supply.	Make sure that the fridge is connected to a cold water pipe. ⚠ WARNING: Connecting the fridge 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.
	Fridge was recently installed.	Dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon 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 fridge 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 fridge.	Normal Operation
	Fridge is not resting solidly on the floor.	Floor is weak or uneven or leveling legs need to be adjusted. See the Door Alignment section.
	Fridge with linear compressor was jarred while running.	Normal Operation
Whooshing	Evaporator fan motor is circulating air through the fridge 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 fridge 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 fridge is designed to run more efficiently to keep your food items at the desired temperature. The high efficiency compressor may cause your new fridge to run longer than your old one, but it is still more energy efficient than previous models. While the fridge 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 Fridge 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 Fridge Handles and Doors section.
	Fridge is not leveled properly.	See Door Alignment in the Fridge Installation section to level fridge.
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 fridge. 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.
Fridge 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 fridge compartment lamp is LED interior lighting, and service should be performed by a qualified technician.
Fridge has an unusual odor.	The Hygiene Fresh filter may need to be set to the POWER setting or replaced.	Set the Hygiene Fresh filter to the POWER setting. If the odor does not go away within 24 hours, the filter may need to be replaced. See the Replacing the Hygiene Fresh filter section for replacement instructions.
The interior of the fridge is covered with dust or soot.	The fridge is located near a fire source, such as a fireplace, chimney or candle.	Make sure that the fridge is not located near a fire source, such as a fireplace, chimney or candle.



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Printed in Korea