



OWNER'S MANUAL FRENCH DOOR FRIDGE

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



MFL68507629

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• This product must only be used with a 240v 50Hz mains supply.

PRODUCT FEATURES

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



FILTERED WATER AND ICE DISPENSER

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



DOOR ALARM

The Door Alarm function sounds 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



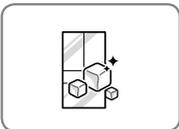
HUMIDITY CONTROLLED CRISPER

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 rest of 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 cause serious injury and death, or cause damage to the product.

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



WARNING Death or serious injury can occur 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

- If unsure of any procedure, 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 (240V, 50Hz, 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.

During 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.
- If the internal lighting is LED type, and becomes defective, it must only be replaced by an authorised service provider.
- 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 extension cord or a multi outlet power board when connecting the power cord to the mains supply.
- 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 carbonated beverages in the freezer.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning 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 refrigerant is removed for proper disposal by a qualified servicer. If you release CFC refrigerant, 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.
- Do Not store or install the fridge outdoors or anywhere that is directly or indirectly exposed to weathering conditions.

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:



Installation

- The fridge must be properly installed in accordance with the Installer Instructions that were attached 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.
- Do not store or install the fridge outdoors or anywhere that is directly or indirectly exposed to weathering conditions. It should not be used for mobile applications.

During use.

- Close the door carefully when children are around.
- Keep fingers out of pinch point areas; clearances between the doors and cabinets are necessarily small. Be careful closing doors when children are 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.

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:

 **WARNING**

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



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

In order to avoid the creation of a flammable gas air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used. The room must be 1m² in size for every 8g of R600a refrigerant inside the appliance. The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance. Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.

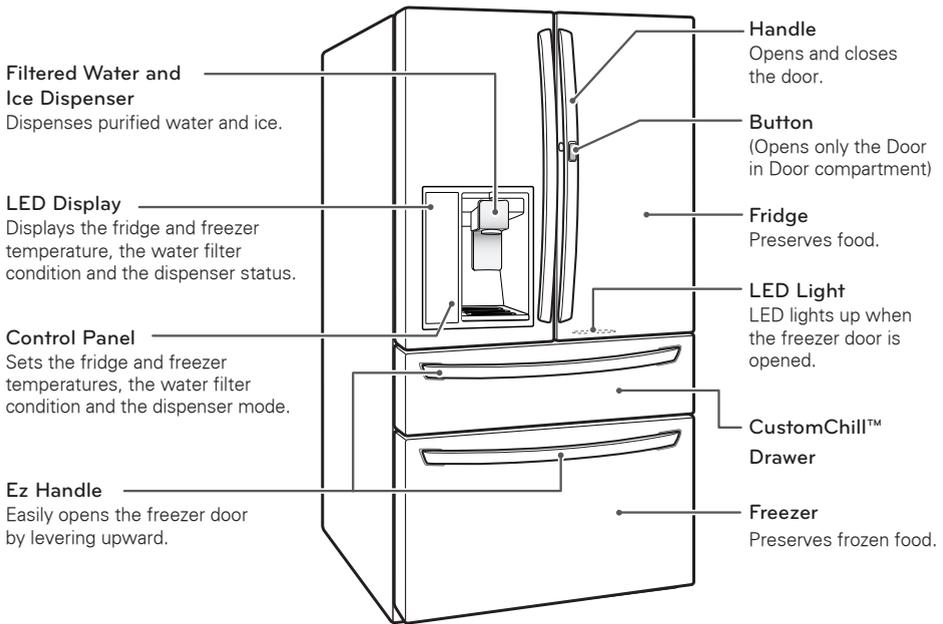
SAVE THESE INSTRUCTIONS

COMPONENTS

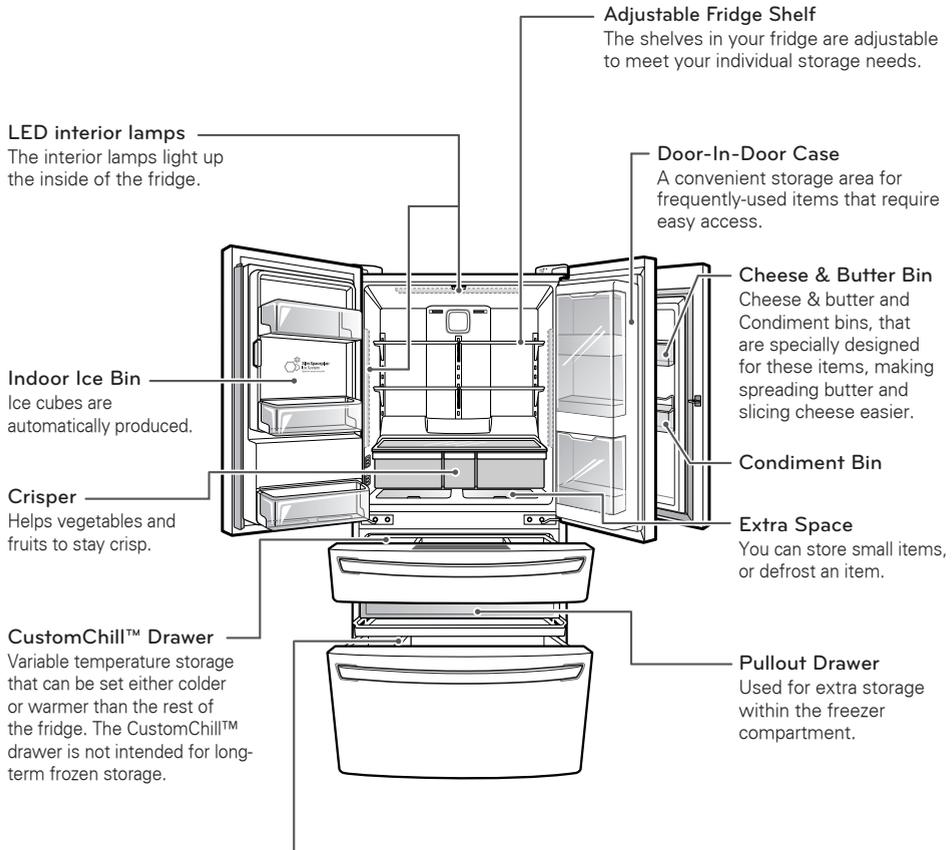
Use this page to become more familiar with the parts and features of your fridge.

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

Fridge Exterior



Fridge Interior



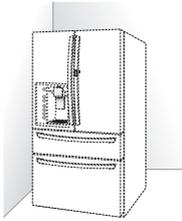
Durabase® and Durabase® Divider

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.

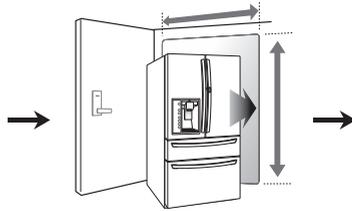
INSTALLATION

Installation Overview

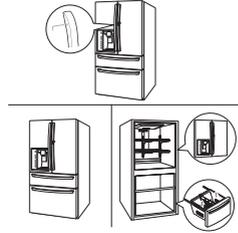
Please read the following installation instructions first after purchasing this product or transporting it to another location.



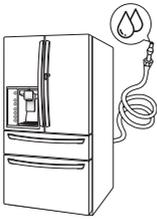
1 Unpacking your fridge



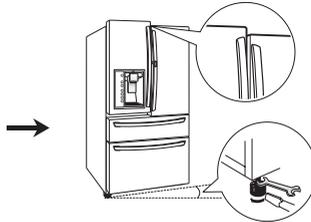
2 Choosing the proper location



3 Disassembling/Refitting



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 bar coded labels on the side of the unit.

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 240 Volts, 50 Hz, AC only, and fused at 15 or 20 amperes. This provides the best performance and also prevents overloading house wiring circuits which could cause a fire hazard from overheated wires. It is recommended that a separate circuit serving only this appliance be provided.

WARNING

To reduce the risk of electric shock, do not install the 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 Alignment.)

NOTE

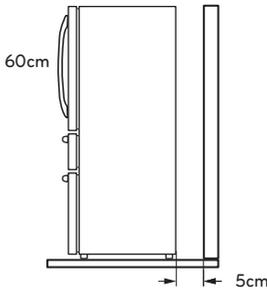
Installing on carpeting, soft tile surfaces, a platform or weakly supported structure is not recommended.

Ambient Temperature

Install this appliance in an area where the temperature is between 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 60cm in front of the fridge to open the doors, and no less than 5cm between the back of the fridge and the wall.



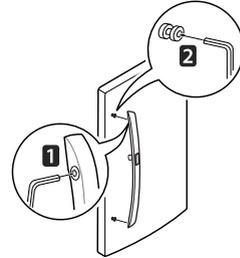
Removing/Refitting the Fridge Door Handles

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.

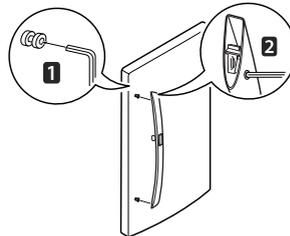
Removing the Handles

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



Refitting the Handles

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

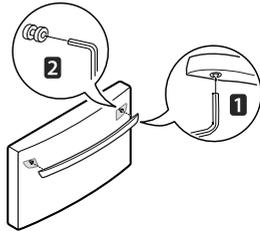


Removing/Refitting the Freezer Drawer Handle

Removing the Handle

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

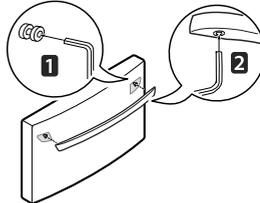
- 2 Loosen the mounting fasteners **2** that connect to the freezer drawer and handle using a $\frac{1}{4}$ in. Allen wrench, and remove the mounting fasteners.



Refitting the Handle

- 1 Assemble the mounting fasteners **1** at both ends of the handle using a $\frac{1}{4}$ in. Allen wrench.

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



! WARNING

When removing or refitting handles

- Hold the handle securely when removing and refitting.
- Do not swing the handle or allow children to play with them, or use them for any other purpose.
- Always follow the above instructions when removing or refitting the handles.
- Make sure that there is not a gap between the door and handle after refitting the handle.

Removing/Refitting the Doors and Drawers. (Disconnect the mains power before removing any doors and drawers)

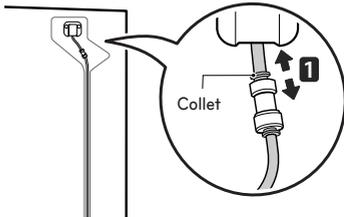
When it is necessary to move the fridge through a narrow opening, removing the doors is the recommended procedure.

! 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 (turn off the water supply to the Fridge before commencing)

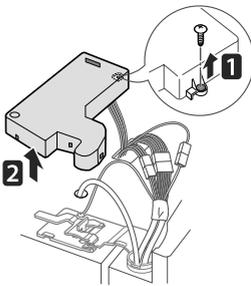
- 1 The water supply is connected to the upper right part of the rear surface of the fridge. Remove the ring in the joint area. Hold the water supply connection and gently push the Collet inward to detach the water supply line as shown in **1**.



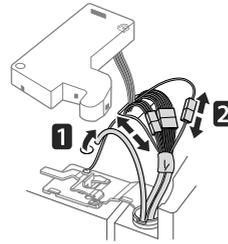
NOTE

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

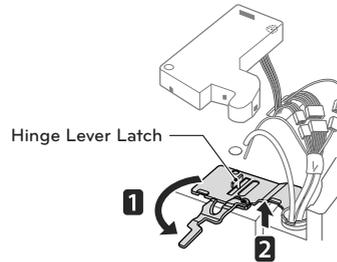
- 2 Remove the **1** screw from the hinge cover at the top of the fridge. Lift the hook (not visible), located at the bottom of the front side of the cover **2** with a flat-head screwdriver.



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



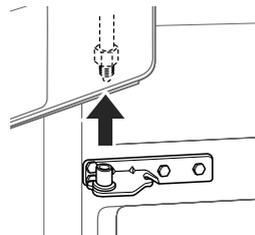
- 4 Rotate the hinge lever counterclockwise **1**. Lift the top hinge **2** free of the hinge lever latch.



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.

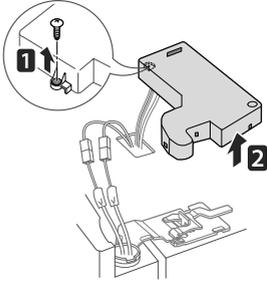


CAUTION

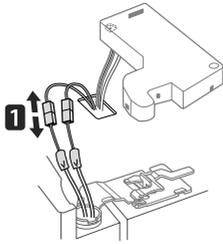
Place the door, inside facing up, on a non-scratching surface. It is advisable to carry out the removal and refitting process with 2 people.

Removing the Right Fridge Door

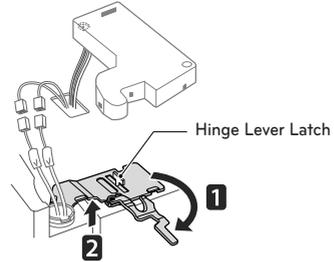
- 1 Remove the top hinge cover screw **1**.
Lift the hook (not visible), located at the bottom of the front side of the cover **2**, with a flat-head screwdriver.



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



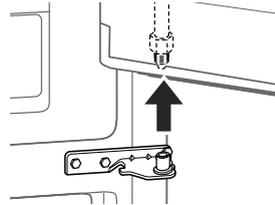
- 3 Rotate the hinge lever **1** clockwise.
Lift the top hinge **2** free of the hinge lever latch.



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.



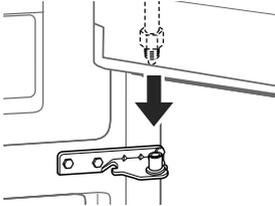
CAUTION

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

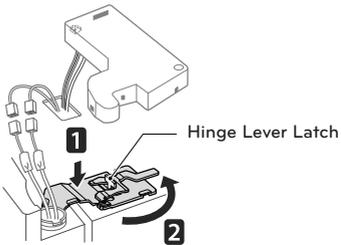
Refitting the Right Fridge Door

Install the right-side door first.

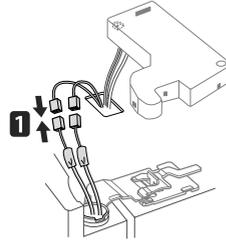
- 1 Make sure that the plastic sleeve is inserted in the bottom of the door. Lower the door onto the middle hinge pin as shown in the figure.



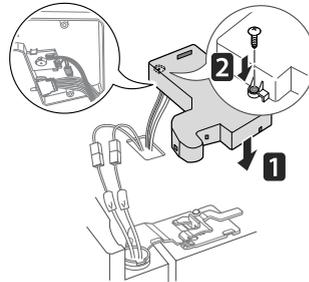
- 2 Fit the hinge **1** over the hinge lever latch and slot it into place. Rotate the lever **2** counterclockwise to secure the hinge.



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



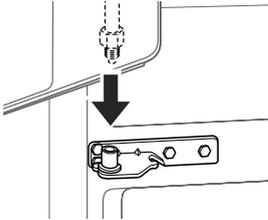
- 4 Make sure that the door-switch located inside the cover is tightly connected. Position the cover in its place. Insert and tighten the cover screw **2**.



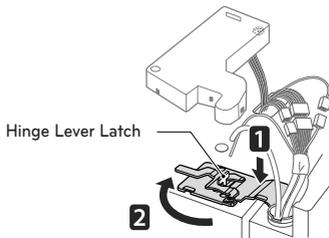
Refitting the Left Fridge Door

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

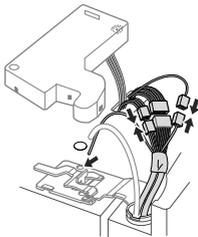
- 1 Make sure that the plastic sleeve is inserted in the bottom of the door. Install the fridge door onto the middle hinge.



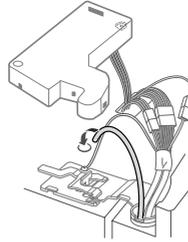
- 2 Fit the hinge **1** over the hinge lever latch and slot it into place. Rotate the lever clockwise **2** and fasten the hinge.



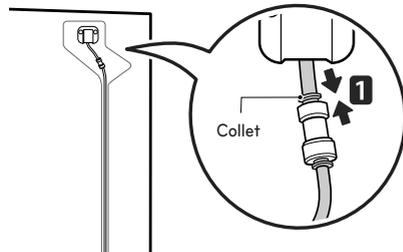
- 3 Connect all the wire harnesses.



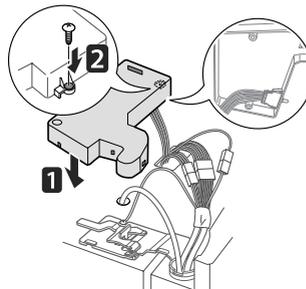
- 4 Push the water supply tube into the hole on the top case and pull it through the backplate.



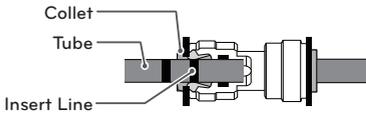
- 5 Hold the water supply connection and gently push in the collet to connect the water supply line as shown in **1**. Insert the tube at least $\frac{5}{8}$ inch (15 mm) into the connector.



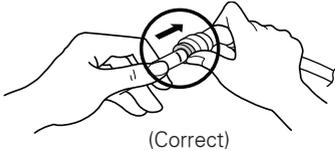
- 6 Make sure that the door-switch located inside the cover is tightly connected. Place the cover **1** in its position and tighten the cover screw **2**.



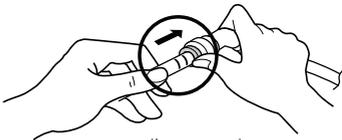
NOTE



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



(Correct)

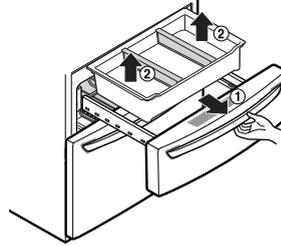


(Incorrect)

- 2) Pull the tube to make sure that the tube is tightly fastened and then insert the locking clip under the Collet.

Removing the CustomChill™ Drawer

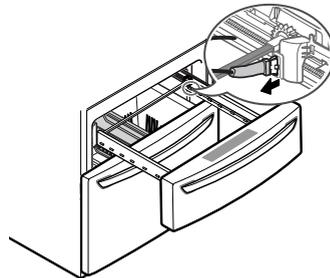
- 1 Pull the drawer open to full extension. Remove the basket by lifting the basket from the rail system.



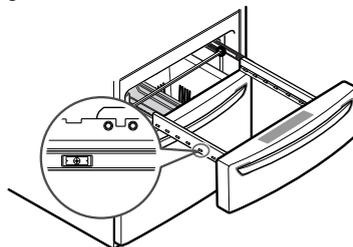
NOTE

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

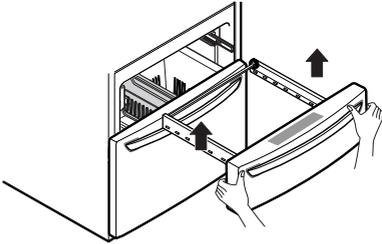
- 2 Disconnect the wire harness connection at the end of the right rail by pressing on the tabs on either side. It may help to use a small, flat-blade screwdriver to apply pressure to the ends of the tabs on either side.



- 3 Remove the screws on both the left and right rails.



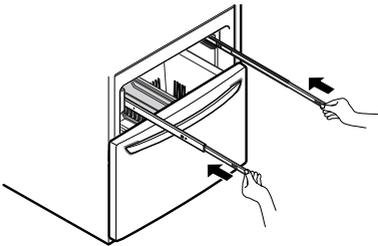
- 4 Grasp the drawer on each side and pull it up to separate it from the rails.



CAUTION

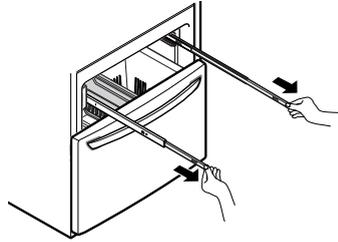
Do not hold the handle when removing or replacing the drawer. The handle may come off and it could cause personal injury.

- 5 Using both hands, slide the two rails in simultaneously.

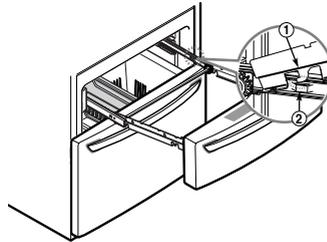


Refitting the CustomChill™ Drawer

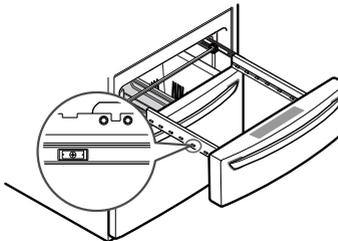
- 1 Use both hands to pull out the rails simultaneously until they are both fully extended.



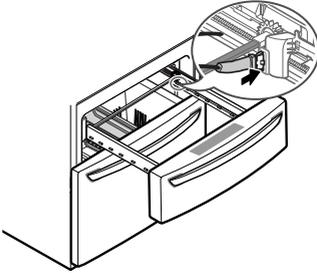
- 2 Grasp the drawer on each side and hook the door supports ① into the rail tabs ② located on both sides.



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



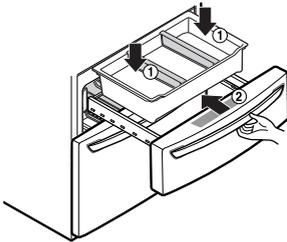
- 4 Reconnect the wire harness to the connection at the end of the right rail by aligning the two ends and pushing them together until you hear a click. The tabs should snap back into place. Tug gently to make sure the connection is secure.



NOTE

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

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

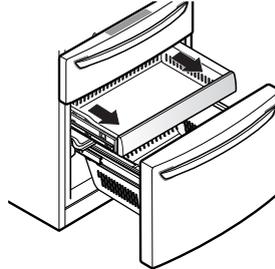


Removing the Freezer Drawer

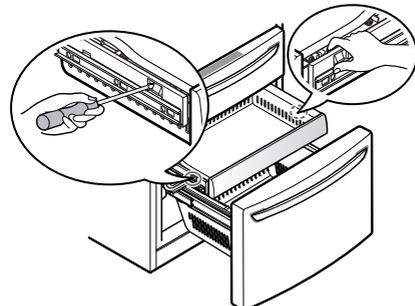
CAUTION

- 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.

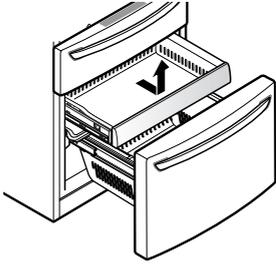
- 1 Pull the freezer drawer open to full extension.
- 2 Remove the top pullout drawer by first pulling the drawer open to full extension.



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.

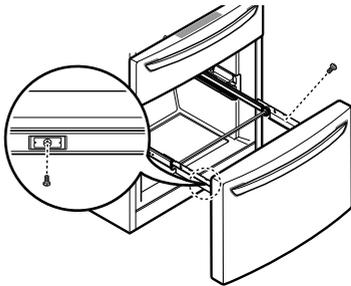


- 3 Remove the middle drawer by pulling the drawer out to full extension. Lift the front of the drawer up, then pull it straight out.



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

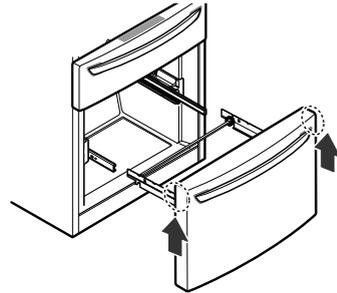
- 5 Remove the screws from the rails at both ends.



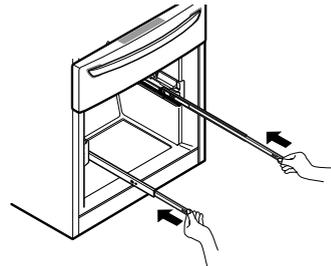
- 6 With both hands, grip both sides of the drawer and pull it up to remove it from the rails.

CAUTION

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

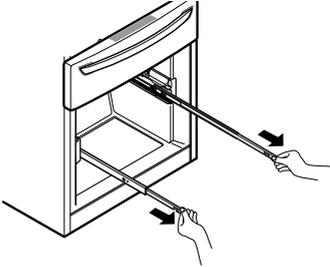


- 7 With both hands, hold each rail and push them in simultaneously.

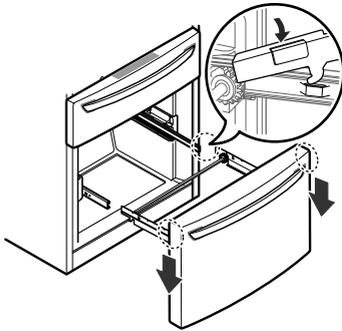


Refitting the Freezer Drawer

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



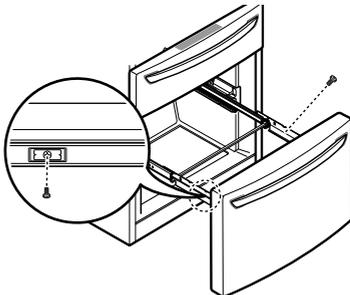
- 2 Grasp the drawer on each side and hook the drawer supports into the rail tabs located on both sides.



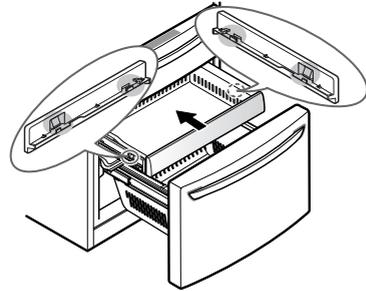
CAUTION

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.

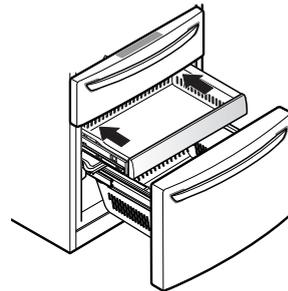


- 4 Insert the the top pullout drawer into the frame, and push the drawer back into place until you hear a click.



- 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.

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

Water hammer (water banging in the pipes) in house plumbing can cause damage to 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 3.0~5.0 sec. to fill a cup with a 200ml capacity).

CAUTION

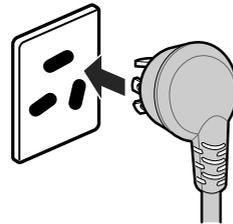
Wear eye protection during installation to prevent injury.

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 5.0 sec to fill a cup with a 200ml 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.

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.)

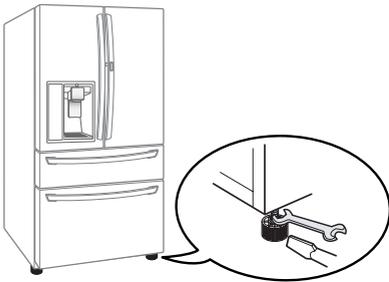
Leveling and Door Alignment

Leveling

After installing, plug the fridge's power cord into a 3-prong grounded outlet and push the fridge into the final position being careful not to crush the power cord under the unit or its wheels.

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

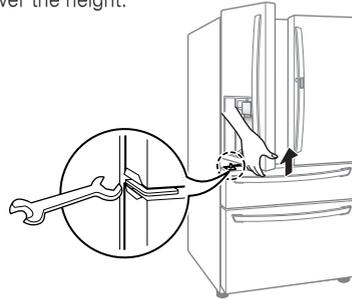
- 2 Open both doors again and check to make sure that they close easily. If the doors do not close easily, tilt the fridge slightly more to the rear by turning both leveling legs to the left. It may take several more turns, and you should turn both leveling legs the same amount.

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:

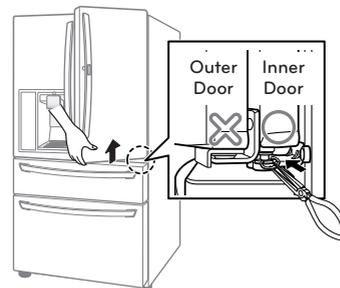
Use the spanner (included with the Use & Care Guide) to turn the nut in the door hinge to adjust the height. To the right to raise or to the left to lower the height.



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.

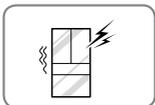


Wait for the fridge to cool.

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.

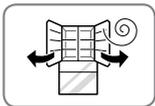
CAUTION

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 general noise levels will decrease as the temperature lowers.



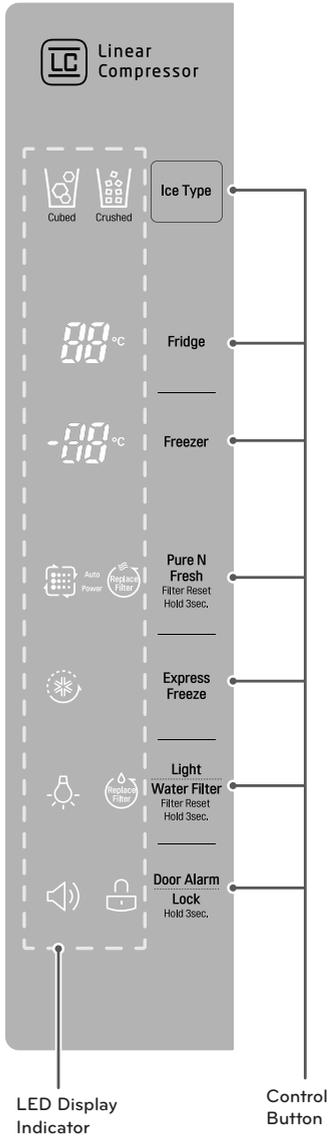
Open fridge doors and freezer drawers to ventilate the interior.

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 one to two hours before turning on.

Control Panel

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

Control Panel Features



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

Freezer Temperature

Indicates the target 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.

Pure N Fresh (On some models)

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

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

Control Panel Features (continued)

Change Filter (On some models)

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

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, it is recommended 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. You should change the water filter approximately every six months or when the water quality or the flow is reduced. To clear the water filter indicator, touch the LIGHT / WATER FILTER button for 3 seconds whilst the display panel is illuminated.

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 panel. It does not lock or stop the water or ice dispenser functions.

- 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. To change any settings, the display must be illuminated before it will respond. Pressing a button is required to re activate the display before making setting changes.



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 3 times. 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

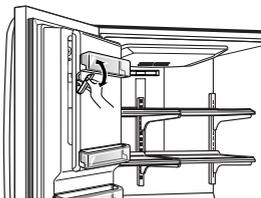
* Depending on the model, some of the following functions may not be available.

CAUTION

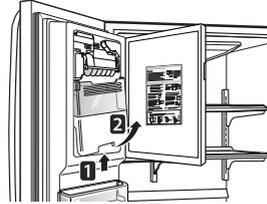
- Keep hands and tools out of the ice compartment door and dispenser chute. Failure to do so may result in damage or personal injury.
- The icemaker will stop producing ice when the in-door ice bin is full. If you need more ice, empty the ice bin into the extra ice bin in the freezer compartment. During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

Removing the In-Door Ice Bin

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

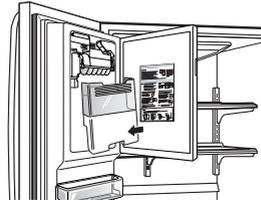


- 2 To remove the in-door ice bin, grip the front handle, slightly lift the lower part, and slowly pull out the bin as shown.

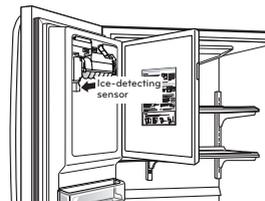


Refitting the In-Door Ice Bin

- 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 50~140 cubes in a 24-hour period, depending on freezer compartment temperature, room temperature, number of door openings and other operating conditions.

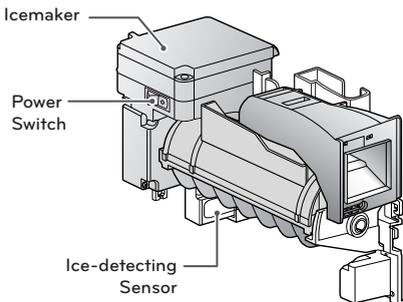
- It takes about 12 to 24 hours for a newly installed fridge to begin making ice. Wait 72 hours for full ice production to occur.
- Ice making stops when the in-door ice bin is full. When full, the in-door ice bin holds approximately 6 to 8 glasses of ice.
- The water pressure must be 20~120 psi or 138~827 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.



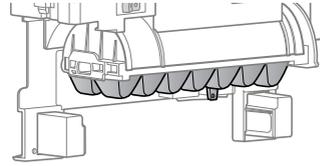
WARNING

Personal Injury Hazard

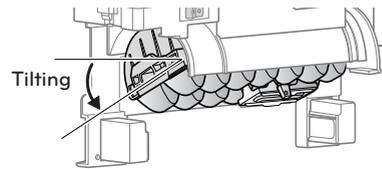
DO NOT place fingers or hands on the automatic ice making mechanism while the fridge is plugged in.



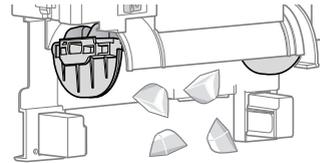
Water fills the ice tray.



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)**. It is recommended to turn the switch to the OFF position when the fridge is not connected to a water supply. It will also prevent unnecessary noises.

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 connected 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.

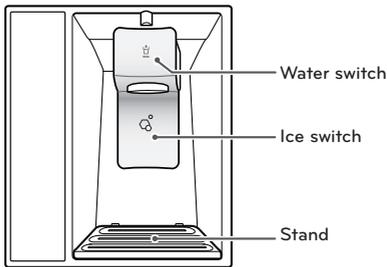
Ice and Water Dispenser

* 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.

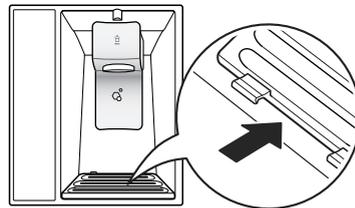
	Incorrect Way	Correct Way
Water	A hand is shown holding a glass under the water dispenser, but the hand is positioned too far to the side, missing the drip tray area.	A hand is shown holding a glass under the water dispenser, with the hand positioned directly under the drip tray area to catch any drips.
Ice	A hand is shown holding a glass under the ice dispenser, but the hand is positioned too far to the side, missing the drip tray area.	A hand is shown holding a glass under the ice dispenser, with the hand positioned directly under the drip tray area to catch any drips.

! 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.

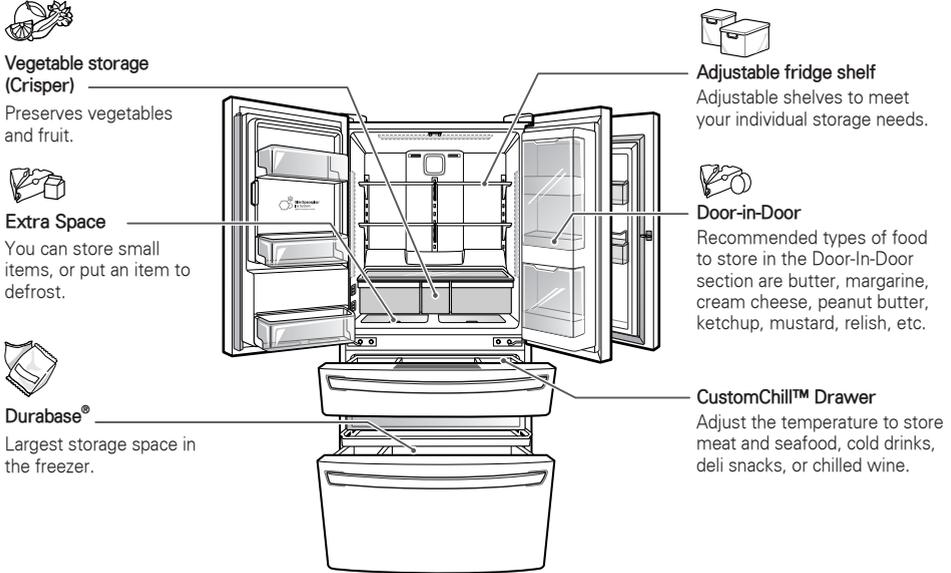


- 2 Wipe out dirty areas with a clean cloth.

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. Never freeze or store sealed glass bottles or beverage cans in the freezer as they may explode.

Storing Frozen Food (continued)

Packaging

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

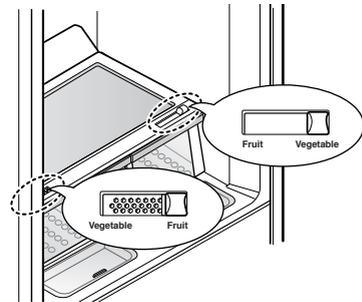
Humidity Controlled Crisper

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

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

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

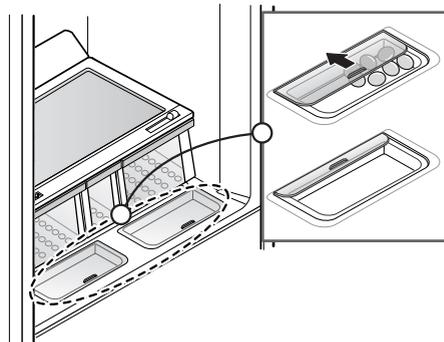
- **Vegetable** keeps moist air in the crisper for best storage of fresh, leafy vegetables.
- **Fruit** lets moist air out of the crisper for best storage of fruit.



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.

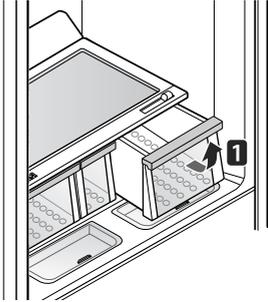
Open and close by pulling the handle.



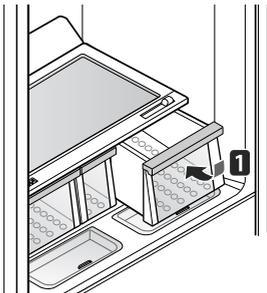
Removing and Refitting the Storage Bins

Humidity Controlled Crisper

To remove, pull out the Crisper **1** to full extension, lift the front up, and pull straight out.



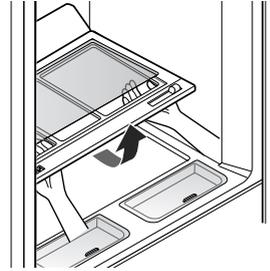
To refit, slightly tilt up the front, insert the drawer into the frame and push it back into place.



To Remove the Glass

(Pantry drawer not shown for clarity)

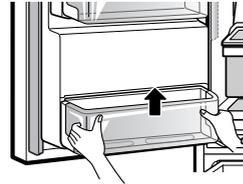
Lift up the glass under the crisper cover, and pull up and out.



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 removing or refitting the storage bins.
- Do not use the dishwasher to clean the storage bins and shelves.
- Regularly remove 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, gently 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.

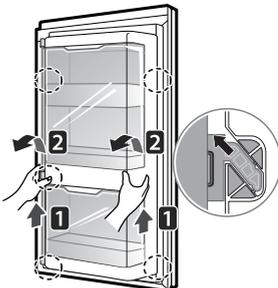


Door-In-Door Case

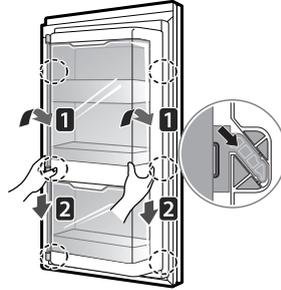
To open the Door-In-Door case, slightly push the marked area to pop it open. The Door-In-Door Case is removable for easy cleaning and adjustment.



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



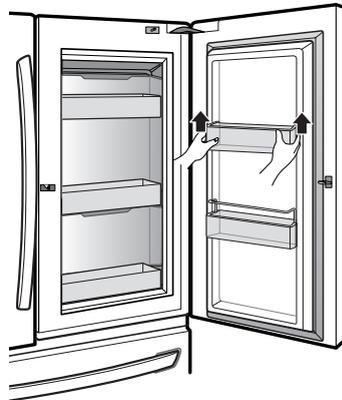
- 2 To replace the Door-In-Door case, line up the tabs on the Door-In-Door Case with the slots on the door and push the case down until it snaps into place.



Door-In-Door Door Bins

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

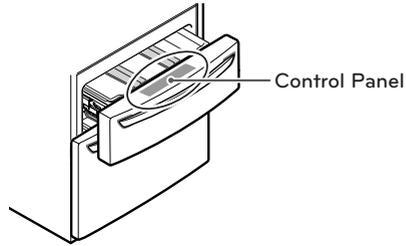
- 1 To remove the door bins, lift up and pull out.
- 2 To replace the door bins, slide the door bin in above the desired support and push down until it snaps into place.



CustomChill™ Drawer



The CustomChill™ Drawer provides storage space with a variable temperature control that can be adjusted to keep the compartment either slightly 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.

! NOTE

Do not store beverages at -1 deg setting. They may freeze and explode.

CustomChill™

Select
Lock
Hold 3sec.

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.

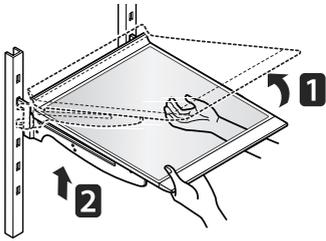
Adjusting the Fridge Shelves

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.

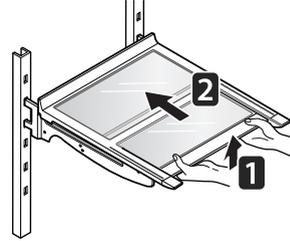
Removing the Shelf

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



Using the Folding Shelf

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

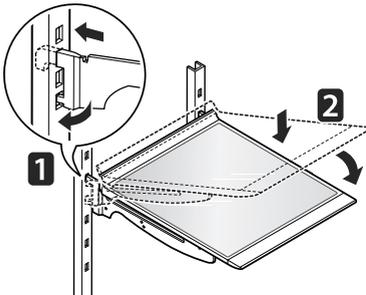


! CAUTION

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

Refitting 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.

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

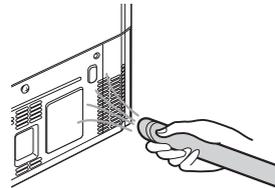
Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use cleaning waxes, concentrated detergents, bleaches, or cleaners containing petroleum on plastic fridge parts.

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

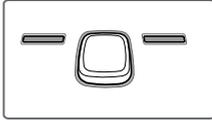
Use a vacuum cleaner with an attachment to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area.



Replacing the Pure N Fresh Filter

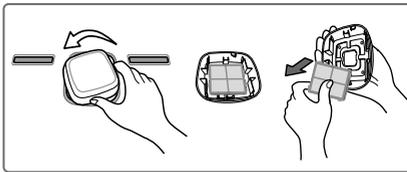
It is recommended that you replace the Pure N Fresh Filter:

- Approximately every six months.
- When the CHANGE FILTER light turns on.



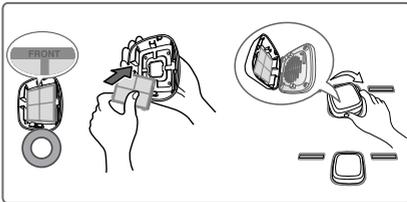
1 Remove the Old Filter

Turn the filter cover to the left to detach from the fridge wall. The filter is located on the inside of the filter cover. Remove the filter from the cover and replace it with a new filter.



2 Install a New Pure N Fresh Filter.

Place the new filter inside of the cover with the side that says "Front" facing outward. Then refit and turn the filter cover to the right to secure it to the fridge wall.



After changing the filter, push and hold the Pure N Fresh button for three seconds to reset the filter sensor.

Replacing the Water Filter

! NOTE

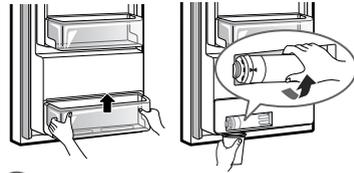
This fridge does not require a filter bypass plug when the filter is not in place.

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 on the Left hand fridge door. 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.

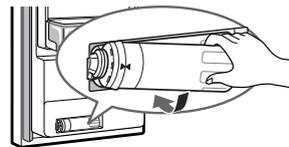


! NOTE

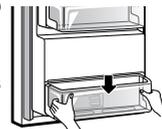
Replacing the water filter could cause a small amount of water to drain. Place a cup under the filter head to catch any water.

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. When a new filter is inserted the water may appear to be clouded. flush through at least 3 glasses of water. Even though safe to drink, the cloudiness will eventually disappear once all of the air in the filter has been passed through.



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 to the LG service center. 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™

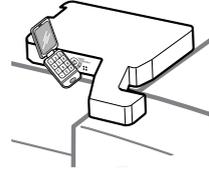
First, call to the LG service center. Only use the Smart Diagnosis feature when instructed to do so by the LG call center agent.

- 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.)

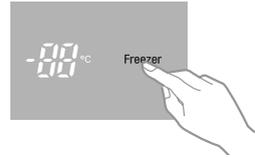


- 2 Open the right fridge door.

- 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.	Check that food items are not obstructing the door from closing then 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: <ul style="list-style-type: none">• 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/cm ² on models without a water filter and 40~120 psi or 276~827 kPa or 2.8~8.4 kgf/cm ² 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.	<p>It is recommended that you replace the water filter:</p> <ul style="list-style-type: none"> • 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.	<p>Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>
	Low house water supply pressure.	<p>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.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>

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 may 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 10 liters of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 10 liters 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 10 liters of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 10 liters 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: <ul style="list-style-type: none"> • 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 10 liters of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 10 liters 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.	If the rattling continues for more than 15 seconds after the fridge was moved, turn the power off, wait 3 minutes and then turn back on again.
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 Pure N Fresh filter may need to be set to the POWER setting or replaced.	Set the Pure N 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 Pure N 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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