



LG

Life's Good

ENGLISH

OWNER'S MANUAL SIDE BY SIDE REFRIGERATOR

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

Model Name* = color number

LSXS22423*

TABLE OF CONTENTS

3 PRODUCT FEATURES

4 IMPORTANT SAFETY INSTRUCTIONS

7 COMPONENTS

7 Refrigerator Exterior

8 Refrigerator Interior

9 INSTALLATION

9 Installation Overview

9 Specifications

10 Unpacking Your Refrigerator

10 Choosing the Proper Location

10 - Flooring

11 - Ambient Temperature

11 - Measuring the Clearances

11 Installing the Base Grille

11 Removing/Assembling the Refrigerator Door Handles

12 Removing/Assembling the Refrigerator Doors

12 - Removing the Right (Refrigerator) Door

12 - Removing the Left (Freezer) Door

13 - Reinstalling the Right (Refrigerator) Door

13 - Reinstalling the Left (Freezer) Door

14 Connecting the Water Line

14 - Before You Begin

14 - Water Pressure

14 - What You Will Need

16 - Water Line Installation Instructions

17 Turning On the Power

18 Leveling and Door Alignment

18 - Leveling

18 - Door Alignment

19 HOW TO USE

19 Before Use

20 Control Panel

20 - Airflow

21 - Control Panel Features

23 Automatic Icemaker

23 - When You Should Turn the Icemaker Off

23 - Normal Sounds You May Hear

23 - Preparing for Vacation

24 Ice Storage Bin

25 Ice and Water Dispenser

26 Storing Food

26 - Food Preservation Location

27 - Food Storage Tips

27 - Storing Frozen Food

28 Humidity Controlled Crisper

29 Detaching and Assembling the Storage Bins

30 Adjusting the Refrigerator Shelves

31 MAINTENANCE

31 Cleaning

32 Replacing the Water Filter

36 SMART DIAGNOSIS™

36 Using Smart Diagnosis™

37 TROUBLESHOOTING

37 Common Product Questions

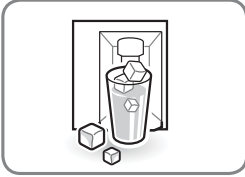
38 Noises You Might Hear

39 Before Calling for Service

48 WARRANTY

PRODUCT FEATURES

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



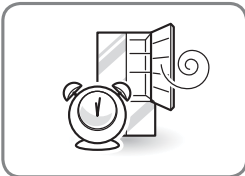
FILTERED WATER AND ICE DISPENSER

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



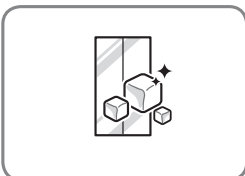
HUMIDITY CONTROLLED CRISPER

The Humidity Controlled Crisper is designed to help keep your fruits and vegetables fresh and crisp. You can control the amount of humidity in the crisper by adjusting the setting between Low and High.



DOOR ALARM

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



ICE PLUS

Ice production can be increased by approximately 20 percent when the freezer section is maintained at the coldest temperature for a 24-hour period.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

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



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

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



WARNING You can be killed or seriously injured if you do not follow instructions.



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



WARNING

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

Power

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

Installation

- Contact an authorized service center when you install or relocate the refrigerator.
- When moving your refrigerator away from the wall, be careful not to roll over or damage the power cord.
- Prior to use, ensure that you are connecting this product to a dedicated grounded electrical outlet rated for use with this product (115V, 60Hz, AC only). It is the user's responsibility to replace a standard 2-prong wall outlet with a standard 3-prong wall outlet.
- Do not install the refrigerator where there may be a danger of the unit falling.

Use

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

IMPORTANT SAFETY INSTRUCTIONS

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 refrigerator.
- When you replace the light bulb in the refrigerator, unplug the refrigerator or turn off the power.
- Do not modify or extend the power cord.
- Do not use a dryer to dry the interior. Do not light a candle to remove interior odors.
- For your safety, this appliance must be properly grounded. Have the wall outlet and the circuit checked by a qualified electrician to make sure the outlet is properly grounded.
- Do not use an outlet that can be turned off with a switch. Do not use an extension cord. It is the user's responsibility to replace a standard 2-prong wall outlet with a standard 3-prong wall outlet.
- Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.
- Do not use an adapter plug and plug the power plug into a multi-outlet extension cord.
- Disconnect the power cord immediately if you hear a noise, smell a strange odor or detect smoke coming from the appliance.
- Turn the power off if water or dust penetrates into the refrigerator. Call a service agent.
- Do not disassemble or modify the refrigerator.
- Do not put hands, feet, or metal objects below or behind the refrigerator.
- Do not operate the refrigerator or touch the power cord with wet hands.
- In refrigerators with automatic icemakers, avoid contact with the moving parts of the ejector mechanism or with the heating element that releases the cubes. Do not place fingers or hands on the automatic ice-making mechanism while the refrigerator is plugged in.
- When dispensing ice from the dispenser, do not use crystal ceramics.
- Do not touch the cold surfaces in the freezer compartment with wet or damp hands, when your refrigerator is in operation.
- Do not put glass containers, glass bottles or soda in the freezer.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Do not refreeze frozen food that has thawed completely. Doing so may result in a serious health issue.
- If you are throwing away your old refrigerator, make sure the CFC or HCFC coolant is removed for proper disposal by a qualified servicer. If you release CFC/HCFC coolant, you may be fined or imprisoned in accordance with the relevant environmental law.
- Junked or abandoned refrigerators are dangerous, even if they are sitting for only a few days. When disposing of the refrigerator, remove the packing materials from the door or take off the doors but leave the shelves in place so that children may not easily climb inside.
- If the refrigerator is connected to a circuit protected by fuses, use time delay fuses.



WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. ***Wash hands after handling.***

IMPORTANT SAFETY INSTRUCTIONS

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

Use

- Close the door carefully when children are around.
- Keep fingers out of pinch point areas; clearances between the doors and cabinets are necessarily small. Be careful closing doors when children are nearby.
- If you store food improperly, be aware that it may fall and cause injury.
- Do not use aerosols near the refrigerator.
- 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 refrigerator 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 refrigerator is disconnected from the power supply, 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 refrigerator immediately and contact your LG Electronics Service Center.

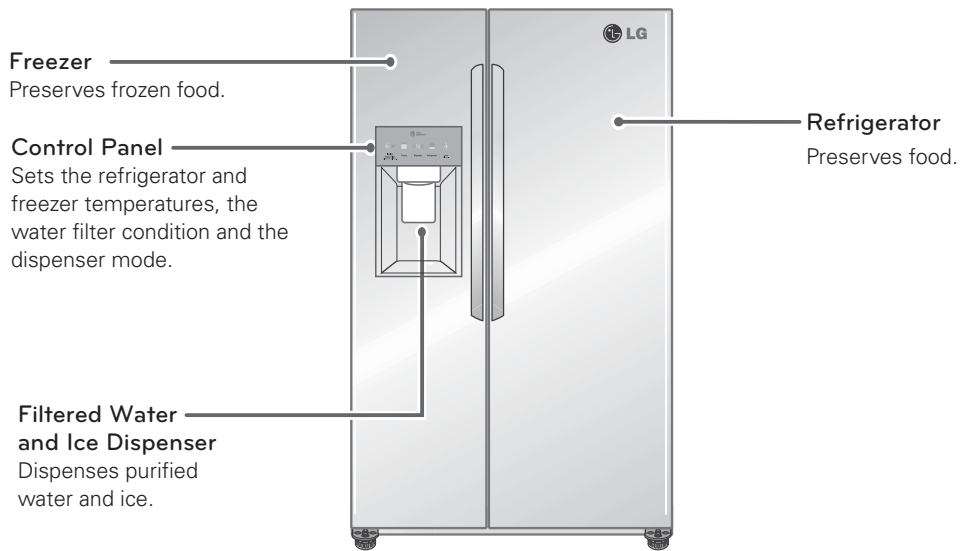
SAVE THESE INSTRUCTIONS

COMPONENTS

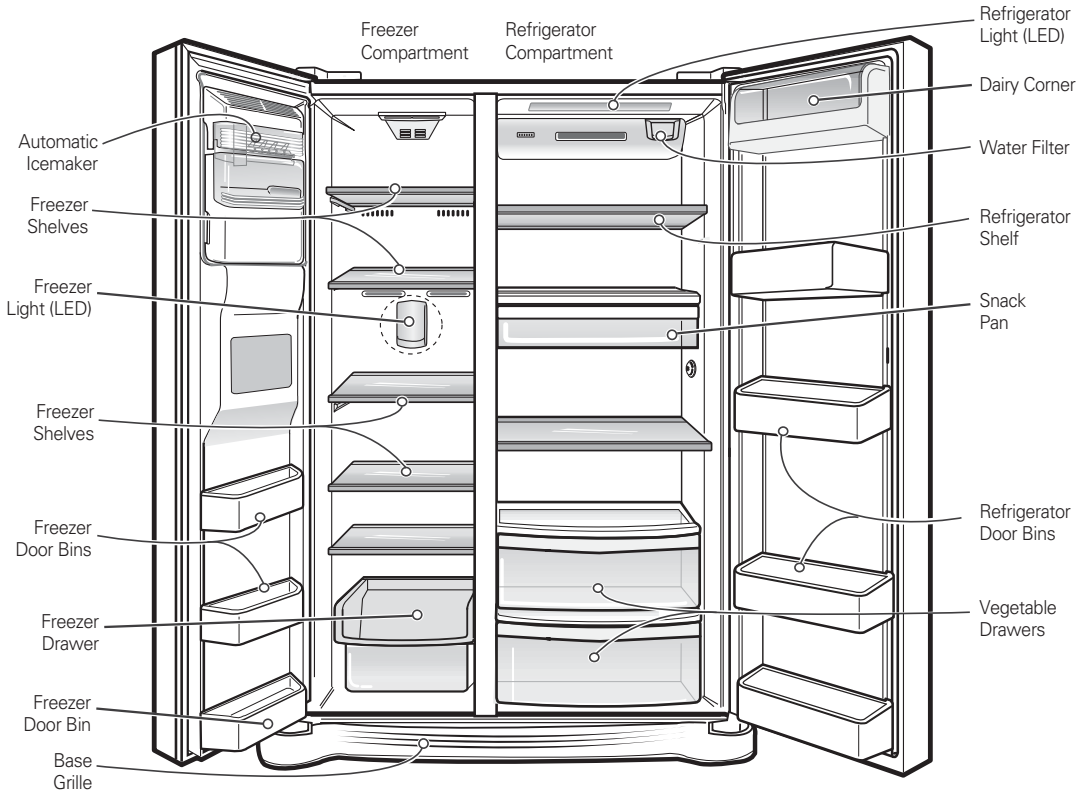
Use this page to become more familiar with the parts and features of your refrigerator.

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

Refrigerator Exterior



Refrigerator Interior



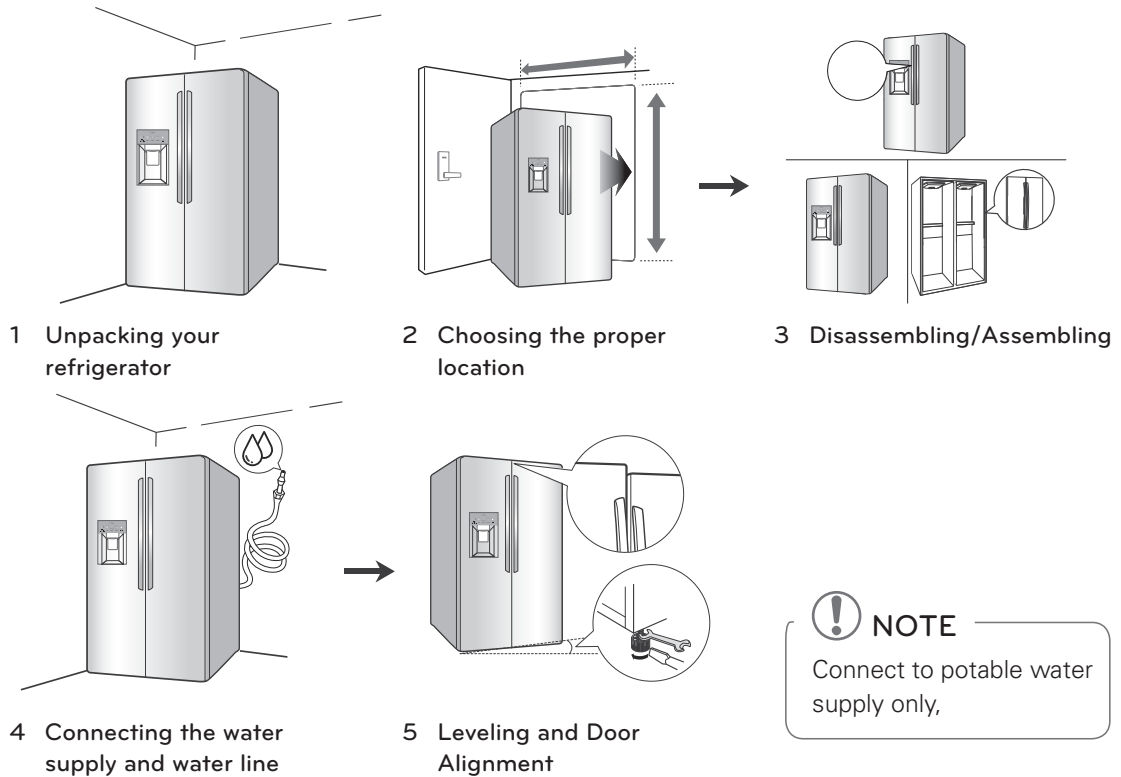
NOTE

Parts, features and options vary by model.
Your model may not include every option.

INSTALLATION

Installation Overview

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



Specifications

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

Side by Side refrigerator model	
Description	Side by Side refrigerator
Electrical requirements	115 Volts, 60 Hz, AC only, and fused at 15 amperes (minimum)
Min. / Max. Water pressure	20 - 120 psi (138 - 827 kPa) on models without water filter, 40 - 120 psi on models with filter
Dimensions	33" (W) X 32" (D) X 67" (H), 49 1/4" (D w/ door open) 831 mm (W) X 811 mm (D) X 1694 mm (H), 1264 mm (D w/ door open)
Net weight	264.5 lb. (120 kg)

Unpacking Your Refrigerator



WARNING

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

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

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

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

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

Choosing the Proper Location

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



NOTE

The water pressure must be between 20 and 120 psi on models without a water filter and between 40 and 120 psi on models with a water filter.

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



WARNING

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

Flooring

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



NOTE

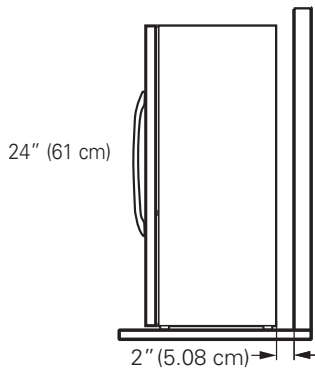
Installing on carpeting, soft tile surfaces, a platform or weakly supported structure is not recommended.

Ambient Temperature

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

Measuring the Clearances

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



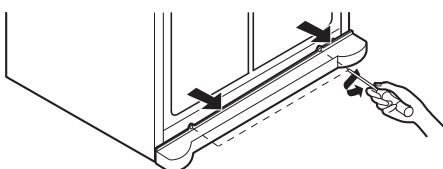
Installing the Base Grille

Removing the Base Grille

- 1 Open the doors (refrigerator and freezer).
- 2 With doors open, remove screws from base grille. Remove base grille and set safely aside.

Assembling the Base Grille

- 1 Place base grille into position and insert and tighten screws.



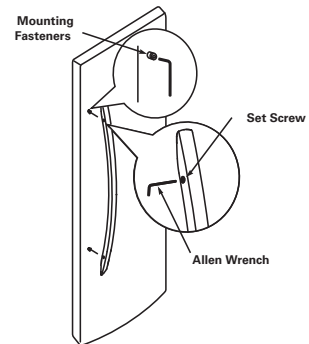
Removing/Assembling the Refrigerator Door Handles

NOTE

When it is necessary to move the refrigerator through a narrow opening, removing the doors is the recommended procedure. If it is necessary to remove the handles, follow the directions below. The appearance of the handle may vary from what is shown in the illustrations

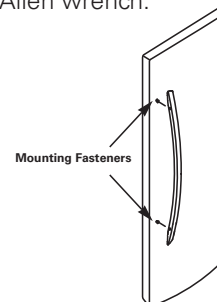
Removing the Handles

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



Assembling the Handles

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



Removing/Assembling the Refrigerator Doors

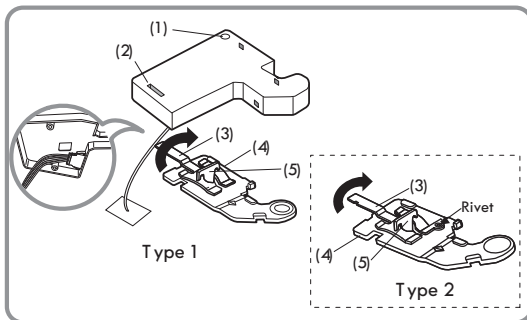
When it is necessary to move the refrigerator through a narrow opening, removing the doors is the recommended procedure.

WARNING

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

NOTE: Before removing the doors, remove the base grille. See **Installing the Base Grille** for instructions.

Removing the Right (Refrigerator) Door



1. Open the door. Remove the top hinge cover screw (1).
2. Use a flat blade screwdriver to pry back the hooks (not shown) of the hinge cover (2) from the top of the refrigerator cabinet. Lift up the cover.

3. Rotate the hinge lever (3) clockwise. Lift the upper hinge (4) free of the hinge lever latch (5).

NOTE: Regardless of hinge lever type, removal process is the same.

CAUTION

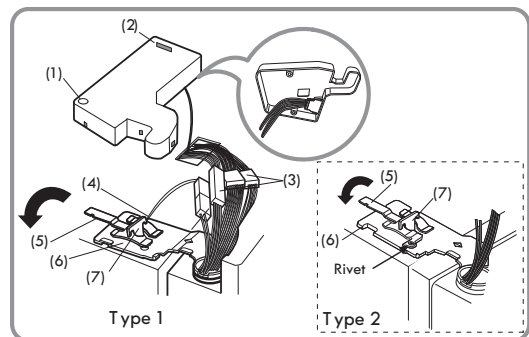
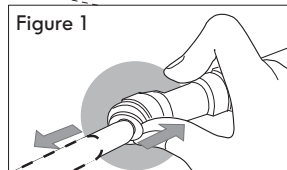
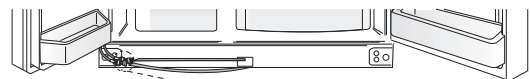
When lifting the hinge free of the latch, be careful that the door does not fall forward.

4. Lift the door from the lower hinge pin.
5. Place the door, inside facing up, on a non-scratching surface.

Removing the Left (Freezer) Door with Water Line Connection

Pull up the water feed tube while pressing the area (Figure 1) shown in the figure below. Make sure the color of the water lines match.

NOTE: If a tube end is deformed or abraded, trim the part away. Disconnecting the tube under the door causes about 0.13 gallons (0.5 liters) of water to flow out. Put a large container at the end of the tube to prevent water from draining onto the floor.



1. Open the door. Remove the top hinge cover screw (1).

2. Use a flat blade screwdriver to pry back the hooks (not shown) of the hinge cover (2) from the top of the refrigerator cabinet. Lift up the cover.
3. Disconnect all the wire harnesses (3).
4. Remove the grounding screw (4).
5. Rotate the hinge lever (5) counterclockwise. Lift the upper hinge (6) free of the hinge lever latch (7).

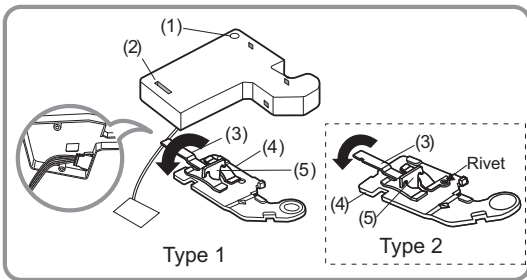
NOTE: Regardless of hinge lever type, removal process is the same.

CAUTION

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

5. Lift the door from the lower hinge pin, being careful to pull the water lines through the lower hinge pin.
6. Place the door, inside facing up, on a non-scratching surface. Be careful not to damage the water feed tube.

Reinstalling the Right (Refrigerator) Door

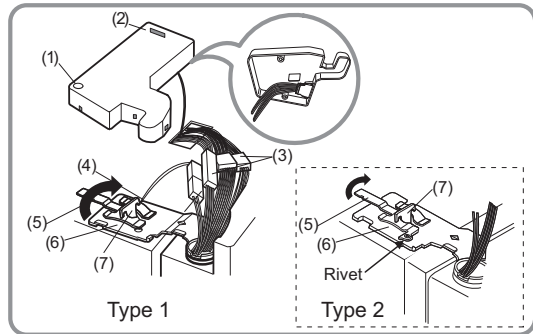


1. Place the door onto the lower hinge pin.
2. Fit the upper hinge (4) over the hinge lever latch (5) and into place. Rotate the lever (3) counterclockwise to secure the hinge.

NOTE: Regardless of hinge lever type, reinstallation process is the same.

3. Hook the tab on the switch side of the cover under the edge of the wire opening in the cabinet top. Position the cover (2) and replace the screw (1).

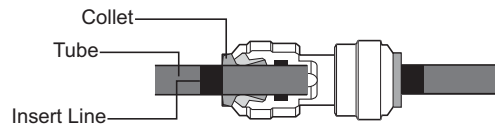
Reinstalling the Left (Freezer) Door



1. Feed the water tubes through the lower hinge pin and place the door onto the lower hinge pin. Water hoses should be behind the leg to prevent damage.
2. Fit the top hinge (6) over hinge lever latch (7) and into place. Rotate the lever (5) clockwise to secure the hinge.

NOTE: Regardless of hinge lever type, removal process is the same.

3. Install the grounding screw (4) and connect all the wire harnesses (3).
4. Hook the tab on the door switch side of the cover (2) under the edge of the wire opening in the cabinet top. Position the cover into place. Insert and tighten the cover screw (1).
5. Reconnect the water tubes by inserting the tubes into the connectors. The tube is inserted correctly when only one guide line is showing out of two.



NOTE: When replacing the door, make sure to connect the water tubes so the colors match.

Connecting the Water Line

Before You Begin

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

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



CAUTION

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

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



CAUTION

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

Water Pressure

You will need a cold water supply. The water pressure must be between 20 and 120 psi on models without a water filter and between 40 and 120 psi on models with a water filter. If the water pressure does not reach the minimum required pressure, a separate booster pump may be required for normal automatic icemaker and cool water dispensing operation.

If a reverse osmosis water filtration system is connected to your cold water supply, this water line installation is not covered by the refrigerator warranty. Follow these 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 (2.8 kgf/cm² ~ 4.2 kgf/cm², or less than 2.0~3.0 sec. to fill a cup of 7 oz capacity).



CAUTION

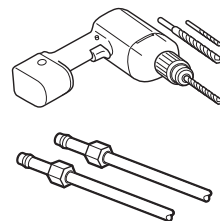
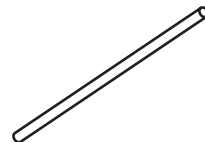
Wear eye protection during installation to prevent injury.

If the water pressure from the reverse osmosis system is less than 21 psi or 1.5 kgf/cm² (takes more than 4.0 sec to fill a cup of 7 oz capacity):

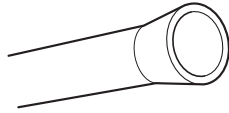
- Check to see if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If the issue concerning water pressure from reverse osmosis remains, call a licensed, qualified plumber.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

What You Will Need

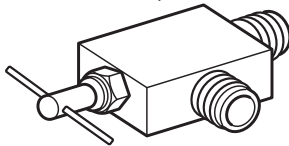
- **Copper Tubing**, ¼ in. outer diameter, to connect the refrigerator to the water supply. Be sure both ends of the tubing are cut square. To determine how much tubing you need: measure the distance from the water valve on the back of the refrigerator to the water supply pipe. Then, add 8 feet (2.4 m). Be sure there is sufficient extra tubing (about 8 feet [2.4 m] coiled into 3 turns of about 10 in. [25 cm] diameter) to allow the refrigerator to move out from the wall after installation. Keep the total length of the feed water pipe tube within 26 ft (8 m). Be careful to avoid getting a kink in the tube. If the tube is longer than 26 ft (8 m), it may cause the water feed to malfunction.
- **Power drill.**
- **½ in. or adjustable wrench.**
- **Flat blade and Phillips head screwdrivers.**
- **Two ¼ in. outer diameter compression nuts and 2 ferrules (sleeves)** to connect the copper tubing to the shutoff valve and the refrigerator water valve.



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



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



NOTE

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

WARNING

Electrical Shock Hazard:

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

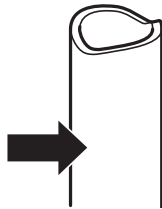
Water Line Installation Instructions

WARNING

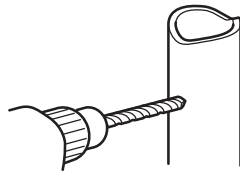
- When using any electrical device (such as a power drill) during installation, be sure the device is battery powered, double insulated or grounded in a manner that will prevent the hazard of electric shock.

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

- SHUT OFF THE MAIN WATER SUPPLY**
Turn on the nearest faucet to relieve the pressure on the line.
- CHOOSE THE VALVE LOCATION**
Choose a location for the valve that is easily accessible. It is best to connect into the side of a vertical water pipe. When it is necessary to connect into a horizontal water pipe, make the connection to the top or side, rather than at the bottom, to avoid drawing off any sediment from the water pipe.



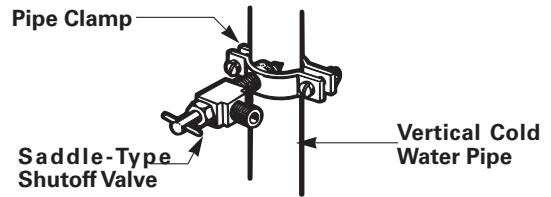
- DRILL THE HOLE FOR THE VALVE**
Drill a $\frac{1}{4}$ in. hole in the water pipe using a sharp bit. Remove any burrs resulting from drilling the hole in the pipe. Be careful not to allow water to drain into the drill. Failure to drill a $\frac{1}{4}$ in. hole may result in reduced ice production or smaller cubes.



NOTE

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

- FASTEN THE SHUTOFF VALVE**
Fasten the shutoff valve to the cold water pipe with the pipe clamp.

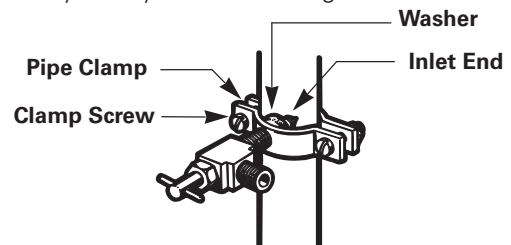


NOTE

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

- TIGHTEN THE PIPE CLAMP**
Tighten the clamp screws until the sealing washer begins to swell.

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

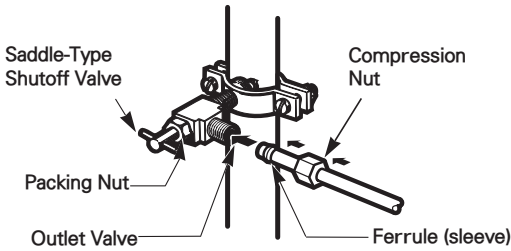


- ROUTE THE TUBING**
Route the tubing between the cold water line and the refrigerator.
Route the tubing through a hole drilled in the wall or floor (behind the refrigerator or adjacent base cabinet) as close to the wall as possible.

NOTE

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

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



- 8 FLUSH OUT THE TUBING
Turn the main water supply on and flush out the tubing until the water is clear.

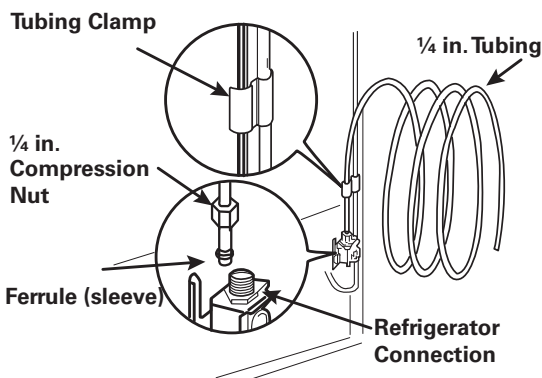
Shut the water off at the water valve after about one quart (1 l) of water has been flushed through the tubing.



- 9 CONNECT THE TUBING TO THE REFRIGERATOR

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

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

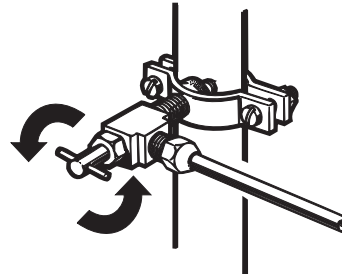


NOTE

- If your refrigerator does not have a water filter, we recommend installing one. If your water supply has sand or particles that could clog the screen of the refrigerator's water valve, install the filter in the water line near the refrigerator.
- Do not use old hoses. Use only new hoses provided by the manufacturer.

- 10 TURN THE WATER ON AT THE SHUTOFF VALVE

Tighten any connections that leak.



CAUTION

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

- 11 PLUG IN THE REFRIGERATOR

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

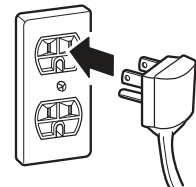
- 12 START THE ICEMAKER

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

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

Turning On The Power

- Plug in the refrigerator.



CAUTION

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

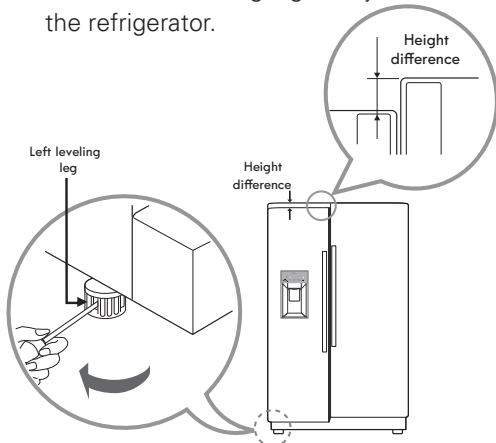
Leveling

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

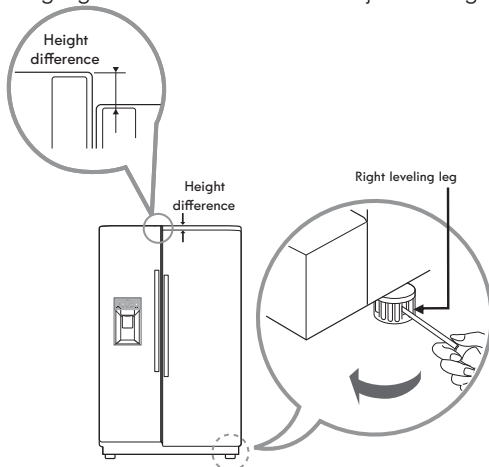
Your refrigerator has two front leveling legs—one on the right and one on the left. Adjust the legs to alter the tilt from front-to-back or side-to-side. If your refrigerator seems unsteady, or you want the doors to close more easily, adjust the refrigerator's tilt using the instructions below:

NOTE: Tools Required: 11/16" (18mm) wrench or flat blade screwdriver.

- 1 Remove the base grille. For instructions, see **Installing the Base Grille**, page 11.
- 2 Turn the leveling leg counterclockwise to raise that side of the refrigerator or clockwise to lower it. It may take several turns of the leveling leg to adjust the tilt of the refrigerator.



NOTE: Having someone push backward against the top of the refrigerator takes some weight off of the leveling legs. This makes it easier to adjust the legs.

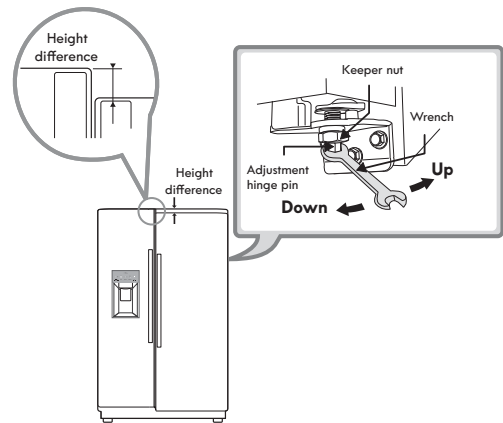


- 3 Open both doors again and check to make sure that they close easily. If the doors do not close easily, tilt the refrigerator slightly more to the rear by turning both leveling legs counterclockwise. It may take several more turns, and you should turn both leveling legs the same amount.
- 4 Reinstall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

Door Alignment

If the doors are still uneven after the refrigerator has been leveled, finish adjusting the doors by following the instructions below:

Adjusting tools: 5/16" (8mm) wrench and 3/4" (19mm) wrench.

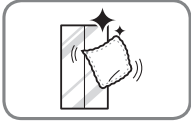


- Using a 3/4" (19mm) wrench, turn the keeper nut clockwise to loosen it.
- Using a 5/16" (8mm) wrench, turn the adjustment hinge pin clockwise or counterclockwise to level the refrigerator door.
- After leveling the door, turn the keeper nut counterclockwise to tighten it. Make sure all legs are completely touching the floor.

CAUTION: Do not overtighten the door adjustment screw. The hinge pin can be pulled out (adjustable range of height is a maximum of 1/2 in. (1.27 cm)).

HOW TO USE

Before Use



Clean the refrigerator.

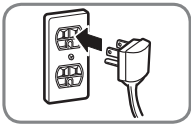
Clean your refrigerator thoroughly and wipe off all dust that accumulated during shipping.

CAUTION

- Do not scratch the refrigerator with a sharp object or use a detergent that contains alcohol, a flammable liquid or an abrasive when removing any tape or adhesive from the refrigerator,.
- Do not peel off the model or serial number label or the technical information on the rear surface of the refrigerator.

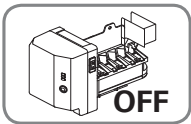
NOTE

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



Connect the power supply.

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



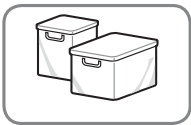
Turn off the icemaker if the refrigerator is not yet connected to the water supply.

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

* This is applicable only to certain models.

CAUTION

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



Wait for the refrigerator to cool.

Allow your refrigerator to run for at least two to three hours before putting food in it. Check the flow of cold air in the freezer compartment to ensure proper cooling.

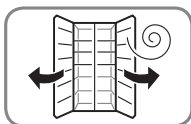
CAUTION

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



The refrigerator makes a loud noise after initial operation.

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



Open refrigerator and freezer doors to ventilate the interior.

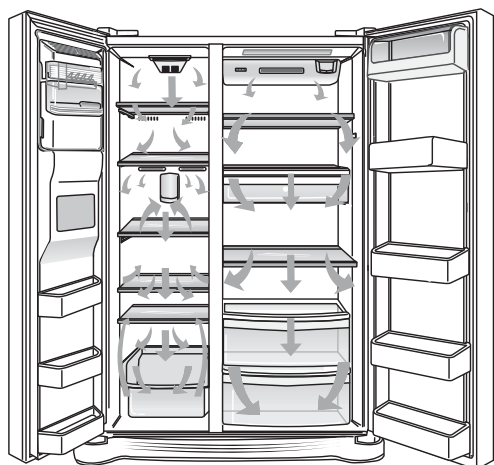
The inside of the refrigerator may smell like plastic at first. Remove any adhesive tape from inside the refrigerator and open the refrigerator and freezer doors for ventilation.

Control Panel

The refrigerator control functions as the thermostat for the entire appliance (refrigerator and freezer sections). The colder the setting, the longer the compressor will run to keep the temperature colder. The freezer control adjusts the cold air flow from the freezer to the refrigerator. Setting the freezer control to a lower temperature keeps more cold air in the freezer compartment to make it colder.

Airflow

Cold air circulates from the freezer to the fresh food section and back again through air vents in the wall dividing the two sections. Be sure not to block vents while packing your refrigerator. Doing so will restrict airflow and may cause the refrigerator temperature to become too warm or cause interior moisture buildup. (See air flow diagram below.)

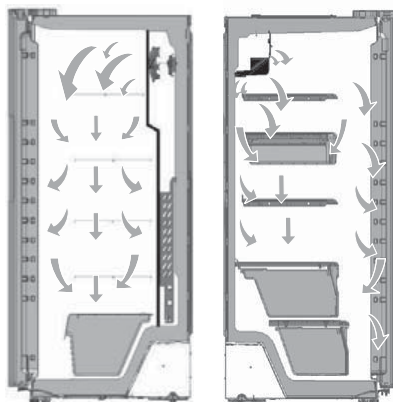


IMPORTANT:

Because air circulates between both sections, any odors formed in one section will transfer to the other. You must thoroughly clean both sections to eliminate odors.

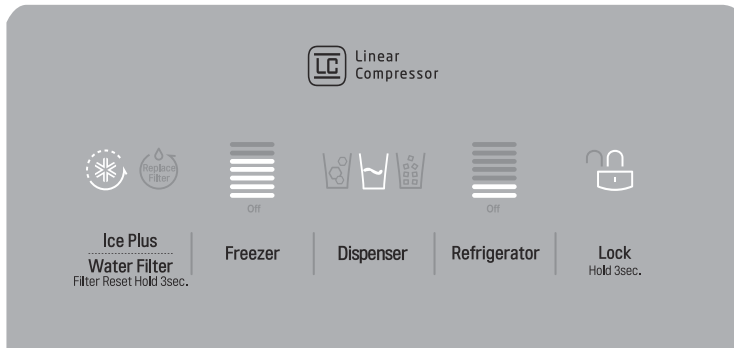
To prevent odor transfer and dried out food, wrap or cover foods tightly. (See the Food Storage Guide section for details.)

NOTE: If you close the refrigerator door, you may see the freezer door open and close again due to pressure from internal air flow.



Control Panel Features

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



Dispenser

Select Cubed Ice, Water or Crushed Ice by pressing the **Dispenser** button repeatedly to choose the selection desired. The Cubed Ice, Water or Crushed Ice icon will light up to indicate your selection.



Selecting this icon indicates that cubed ice will be dispensed when the dispenser pad is activated.



Selecting this icon indicates that water will be dispensed when the dispenser pad is activated.



Selecting this icon indicates that crushed ice will be dispensed when the dispenser pad is activated.

To dispense water or ice, gently push your cup against the dispenser pad (see page 25).

NOTE: Hold your cup in place for a couple of seconds after dispensing ice or water so the last few drops go in your cup instead of on the floor.

Temperature

It's recommended to maintain the initial (middle) temperature settings by pressing the **Refrigerator** button and **Freezer** button.

NOTE: When changing control settings, wait 24 hours before making additional adjustments. The more lit bars, the colder the refrigerator and freezer will be. See Figure 1.

Figure 1



The controls are set correctly when milk or juice is as cold as you would like and when ice cream is firm. If the temperature in either compartment is too cold or too warm, change the setting one increment at a time. Wait 24 hours for the change to stabilize before adjusting again.

Temperature Mode Switch Function (°F ↔ °C)

If you want to convert °F to °C or vice versa, press and hold the **Freezer** and **Refrigerator** buttons at the same time for approximately five seconds.

Ice Plus

- When you press the **Ice Plus** button, the graphic will illuminate in the display and will continue for 24 hours. The function will automatically shut off after 24 hours.
- You can stop this function manually by pressing the button one more time.
- This function increases both ice making and freezing capabilities by running the freezer compartment at the coldest settings for a 24-hour period.

Water Filter Reset



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

Lock

- The **Lock** button deactivates the controls and dispenser functions. When power is initially connected to the refrigerator, the Lock function is off.
- If you want to activate the Lock function to lock other buttons, press and hold the **Lock** button for three seconds or more. The Lock icon will display and the Lock function is now enabled.
- When the Lock function is activated, no other buttons will work. The dispenser pad is also deactivated.
- To disable the Lock function, press and hold the **Lock** button for approximately three seconds.

Display Off Mode

The display lights up and stays lit for 60 seconds when the refrigerator is initially plugged in. All the display lights will then go off except the lock and dispenser icon selected (crushed, water or cubed), and the display only lights when the door is opened or a display button is pressed. 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.

Demo Mode (For Store Use Only)

The **Demo Mode** disables all cooling in the refrigerator and freezer sections to conserve energy while on display in a retail store.

To deactivate:

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

Adjusting Control Settings

Give the refrigerator time to cool down completely before making final adjustments. It is best to wait 24 hours to let the normal settings (recommended in the Temperature section) stabilize before making any changes. If you need to adjust the temperature in the refrigerator or freezer, start by adjusting the refrigerator temperature and allow 24 hours for the temperature to stabilize again. If it is still too warm or too cold, then adjust the freezer control.

Use the settings listed in the chart below as a guide. Always remember to wait at least 24 hours between adjustments

CONDITION/REASON	RECOMMENDED ADJUSTMENT
REFRIGERATOR section too warm. <ul style="list-style-type: none"> • Door opened often. • Large amount of food added. • Room temperature very warm. 	<ul style="list-style-type: none"> • Set the REFRIGERATOR control one degree colder; wait 24 hours for the new setting to take full effect before making another adjustment.
FREEZER section too warm/ice not made fast enough. <ul style="list-style-type: none"> • Door opened often. • Large amount of food added. • Very cold (55°F (13°C)) room temperature. (Compressor does not cycle often enough.) • Heavy ice usage. • Air vents blocked by items. 	<ul style="list-style-type: none"> • Set the FREEZER control one degree colder; wait 24 hours for the new setting to take full effect before making another adjustment. • Move items out of air stream.
REFRIGERATOR section too cold. <ul style="list-style-type: none"> • Controls not set correctly for your conditions. 	<ul style="list-style-type: none"> • Set the REFRIGERATOR control one degree warmer; wait 24 hours for the new setting to take full effect before making another adjustment.
FREEZER section too cold. <ul style="list-style-type: none"> • Controls not set correctly for your conditions. 	<ul style="list-style-type: none"> • Set the FREEZER control one degree warmer; wait 24 hours for the new setting to take full effect before making another adjustment.

Automatic Icemaker

Ice is made in the automatic icemaker and sent to the dispenser. The icemaker will produce 5 cubes per cycle - approximately 90 cubes in a 24-hour period, depending on freezer compartment temperature, room temperature, number of door openings and other operating conditions.

- It takes about 12 to 24 hours for a newly installed refrigerator to begin making ice. Wait 72 hours for full ice production to occur.
- Ice making stops when the ice storage bin fills to the level of the shutoff arm. When full, the ice bin holds approximately 6 to 8 (12-16 oz) glasses of ice.
- To turn off the automatic icemaker, set the power switch to **OFF (O)**. To turn on the automatic icemaker, set the power switch to **ON (I)**.
- The water pressure must be between 20 and 120 psi on models without a water filter and between 40 and 120 psi on models with a water filter to produce the normal amount and size of ice cubes.
- The ice cube size selector button is used to compensate for high or low water pressure. If you have low water pressure coming to your refrigerator, you may need to select the highest setting. For high water pressure, select a lower setting.



WARNING

Connect to potable water only.

When You Should Turn the Icemaker Off

Set the power switch to **OFF (O)**:

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

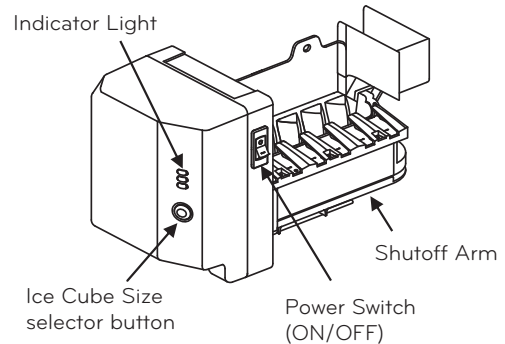
NOTE: The ice bin should be emptied when the power switch is set to **OFF (O)**.



WARNING

Personal Injury Hazard

Avoid contact with the moving parts of the ejector mechanism, or with the heating element that releases the cubes. **DO NOT** place fingers or hands on the automatic ice making mechanism while the refrigerator is plugged in.



Normal Sounds You May Hear

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

NOTE: Keeping the icemaker switched on 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 power switch to **OFF (O)** and shut off the water supply to the refrigerator.

NOTE: The ice bin should be emptied any time the icemaker is **OFF**.

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

Automatic Icemaker (continued)



CAUTION

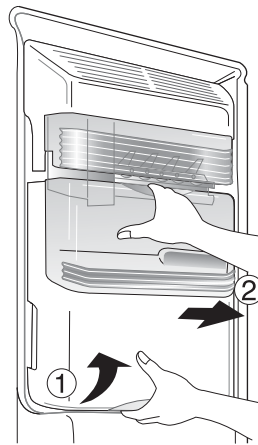
- The first ice and water dispensed may include particles or odor from the water supply line or the water tank.
- Throw away the first few batches of ice (about 24 cubes). This is also necessary if the refrigerator has not been used for a long time.
- Never store beverage cans or other items in the ice bin for the purpose of rapid cooling. Doing so may damage the icemaker or the containers may burst.
- If discolored ice is dispensed, check the water filter and water supply. If the problem continues, contact a qualified service center. Do not use the ice or water until the problem is corrected.
- Keep children away from the dispenser. Children may play with or damage the controls.
- The ice passage may become blocked with frost if only crushed ice is used. Remove the frost that accumulates by removing the ice bin and clearing the passage with a rubber spatula. Dispensing cubed ice can also help prevent frost buildup.
- Never use thin crystal glass or crockery to collect ice. Such containers may chip or break resulting in glass fragments in the ice.
- Dispense ice into a glass before filling it with water or other beverages. Splashing may occur if ice is dispensed into a glass that already contains liquid.
- Never use a glass that is exceptionally narrow or deep. Ice may jam in the ice passage and refrigerator performance may be affected.
- Keep the glass at a proper distance from the ice outlet. A glass held too close to the outlet may prevent ice from dispensing.
- To avoid personal injury, keep hands out of the ice door and passage.
- Never remove the dispenser cover.

Ice Storage Bin

The ice bin stores the ice cubes made by the icemaker. If you need to remove the ice storage bin, do so as follows:

NOTE: Use both hands to remove the ice bin to avoid dropping it.

Lift the ice storage bin slightly ① and pull it out ② as shown in the figure.



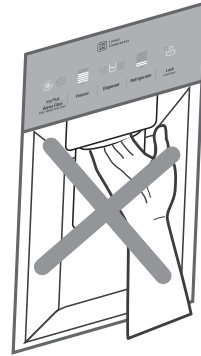
Ice and Water Dispenser

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

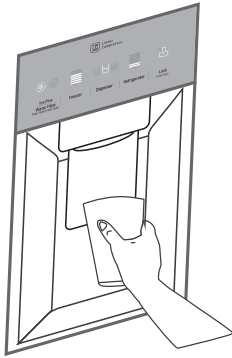


CAUTION

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



Using the dispenser



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

CAUTION: Do not dispense ice into fine china or crystal glasses. China or crystal can break.



NOTE

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



WARNING: Do not put your fingers up the ice chute opening. Doing so can result in severe injury.



CAUTION

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

Locking the dispenser

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

Cleaning the dispenser stand

The dispenser drip tray has no self-draining function. It should be cleaned regularly.

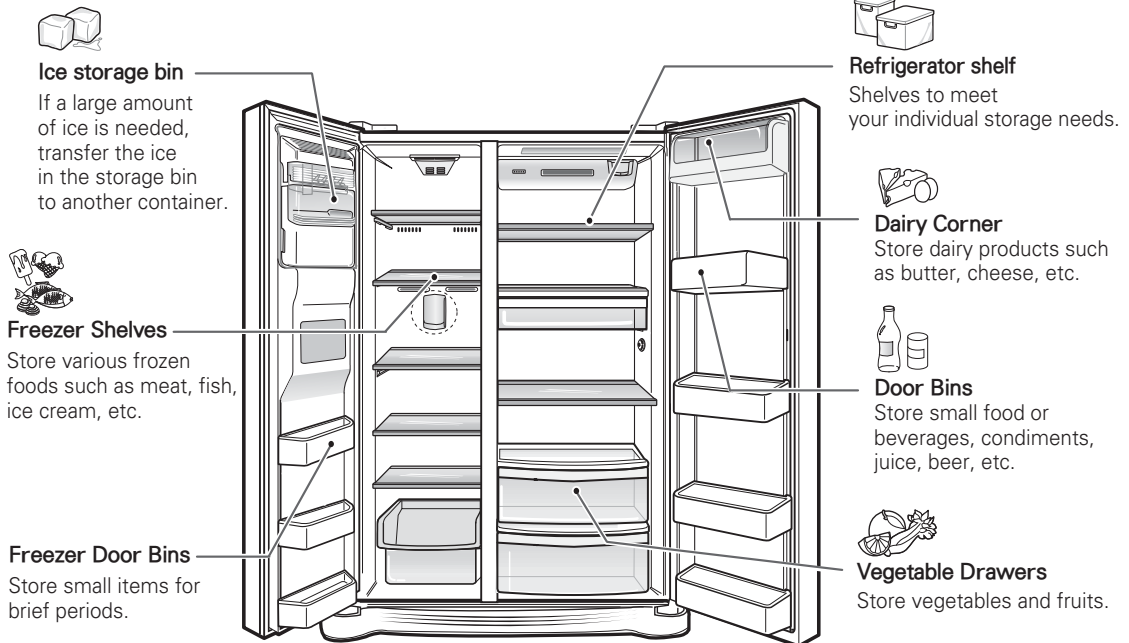
- 1 To remove, push the tray in the area marked "PUSH" then place your finger in the center hole and lift upwards to pull it out. Wipe out dirty areas and dry with a clean cloth.
- 2 To reinstall the tray, slightly tilt the front of the tray and lower it into place.

Storing Food

Food Preservation Location

Each compartment inside the refrigerator is designed to store different types of food.

Store your food in the optimal space to enjoy the freshest taste.



! CAUTION

- Do not store food with high moisture content towards the top of the refrigerator. The moisture could come in direct contact with the cold air and freeze.
- Wash food before storing it in the refrigerator. Vegetables and fruit should be washed, and food packaging should be wiped down to prevent adjacent foods from being contaminated.
- If the refrigerator is kept in a hot and humid place, frequent opening of the door or storing a lot of vegetables in the refrigerator may cause condensation to form. Wipe off the condensation with a clean cloth or a paper towel.
- If the refrigerator or freezer door is opened or closed too often, warm air may penetrate the refrigerator and raise its temperature. This can increase the running costs of the unit.
- 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.
- Do not store glass containers in the freezer. Contents may expand when frozen, break the container and cause injury.

! NOTE

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

Food Storage Tips

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

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

Food	How To
Butter or Margarine	Keep opened butter in a covered dish or closed compartment. When storing an extra supply, wrap in freezer packaging and freeze.
Cheese	Store in the original wrapping until you are ready to use it. Once opened, rewrap tightly in plastic wrap or aluminum foil.
Milk	Wipe milk cartons. For coldest milk, place containers on an interior shelf.
Eggs	Store in original carton on interior shelf, not on door shelf.
Fruit	Do not wash or hull the fruit until it is ready to be used. Sort and keep fruit in its original container, in a crisper, or store in a completely closed paper bag on a refrigerator shelf.
Leafy Vegetables	Remove store wrapping and trim or tear off bruised and discolored areas. Wash in cold water and drain. Place in plastic bag or plastic container and store in vegetable drawer.
Vegetables with skins (carrots, peppers)	Place in plastic bags or plastic container and store in vegetable drawer.
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.
Ice Cream	When storing frozen food like ice cream for a long period, place it on the freezer shelf, not in the door bins.

Storing Frozen Food



NOTE

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

Freezing

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

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



NOTE

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

Storing Frozen Food (continued)

Packaging

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

Packaging recommendations:

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

Follow package or container instructions for proper freezing methods.

Do not use

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

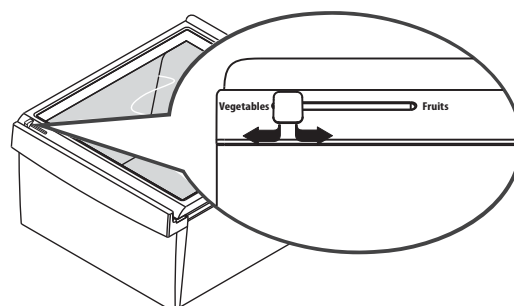
Humidity Controlled Crisper

* 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 Vegetables and Fruits.

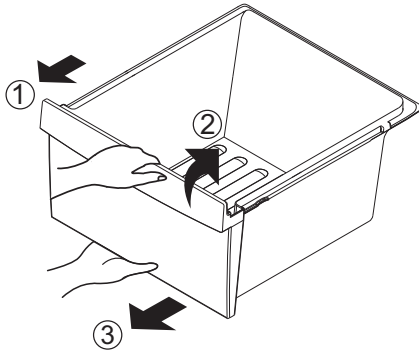
- **Vegetables** keeps moist air in the crisper for best storage of fresh, leafy vegetables.
- **Fruits** lets moist air out of the crisper for best storage of fruit or vegetables with skins.



Detaching and Assembling the Storage Bins

Crisper and Crisper Cover

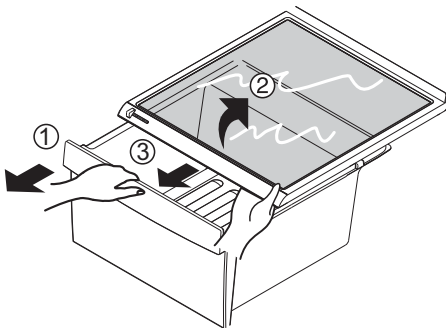
To remove the crisper compartment, pull out the drawer to full extension ①, lift the front up ②, and pull straight out.



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

To Remove the Crisper Cover

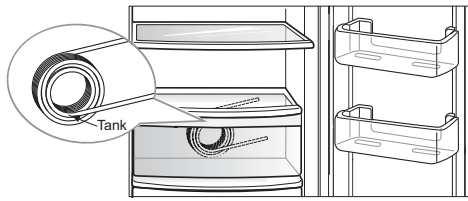
Slide the crisper compartment out slightly ①, lift the front of the cover ②, and pull it straight out ③.



! CAUTION

- Use both hands to assemble and disassemble the crispers. The compartments are heavy when filled with food and may cause injury if dropped.
- Open the refrigerator door fully when disassembling or reassembling the crisper.

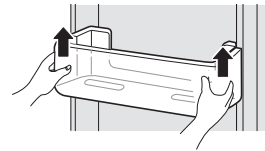
Water Tank



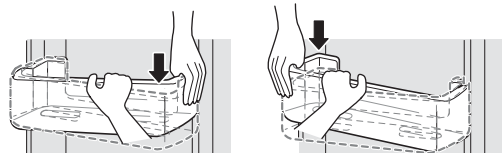
! CAUTION: You will see the water tank while removing the Fresh Zone drawer. Do not remove the water tank or water leakage may occur. The water tank is not a removable part.

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 one side at a time until it snaps into place.

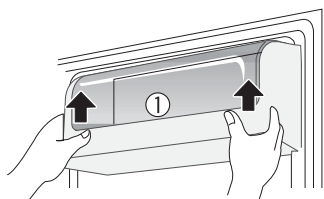
! NOTE

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

! CAUTION

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

Dairy Corner

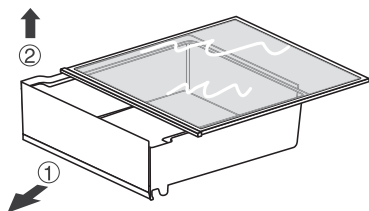


- 1 To remove the Dairy Corner, simply lift the bin up and pull straight out.
- 2 To replace the Dairy Corner, slide it in above the desired support and push down until it snaps into place.

NOTE: If you close the refrigerator door with the Dairy Corner open, the refrigerator door may not close properly. Make sure to close the Dairy Corner completely after use.

Snack Pan

To remove the snack pan cover, slightly pull out the snack pan ①. Lift the front part of the snack pan cover and pull out ②.

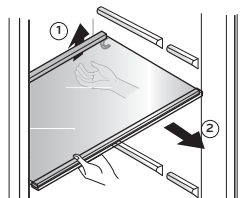


CAUTION

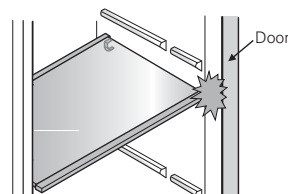
- Do not clean glass shelves with warm water while they are cold. Shelves may break if exposed to sudden temperature changes or impact.
- Glass shelves are heavy. Use special care when removing them.

Detaching the Shelf

Remove all items from the shelf. Lift the shelf from both front and rear and pull it toward you.

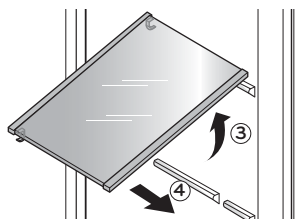


CAUTION: Do not apply too much force when pulling out the shelf. If the shelf hits the door, it may result in damage or personal injury.



Tilt the shelf and pull it forward to remove it.

Assembling the Shelf



Tilt the front of the shelf up and guide the shelf into the slots at a desired height. Slide the shelf in then lower the front of the shelf.

MAINTENANCE

Cleaning

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

General Cleaning Tips

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

Exterior

Waxing external painted metal surfaces helps provide rust protection. Do not wax plastic parts. Wax painted metal surfaces at least twice a year using appliance wax (or 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.

NOTE: Avoid door surface contact with chemical products that contain phosphate or chlorine, such as degreasers, detergents containing TSP, and bleaches.



CAUTION

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



WARNING

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

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

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

Door Liners and Gaskets

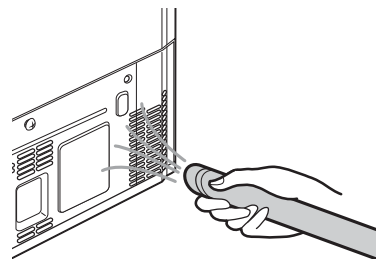
Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use cleaning waxes, concentrated detergents, bleaches, or cleaners containing petroleum on plastic refrigerator parts.

Plastic Parts (covers and panels)

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

Condenser Coils

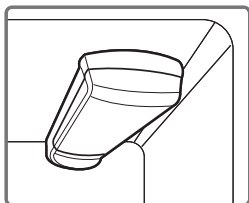
Use a vacuum cleaner with an attachment to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area.



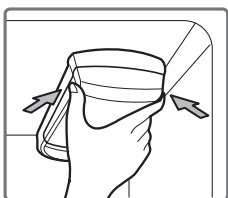
Replacing the Water Filter

It is recommended that you replace the water filter:

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



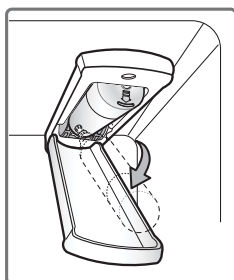
1 Remove the old water filter.



Pinch the sides to open the water filter cover.

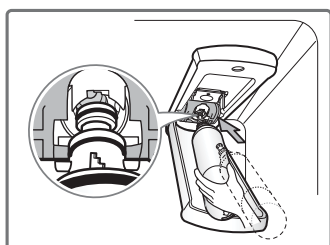
NOTE: Replacing the water filter causes a small amount of water (around 1 oz. or 25 cc) to drain. Place a cup under the front end of the water filter cover to collect any leaking water. Hold the water filter upright, once it is removed, to prevent any remaining water from spilling out of the water filter.

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

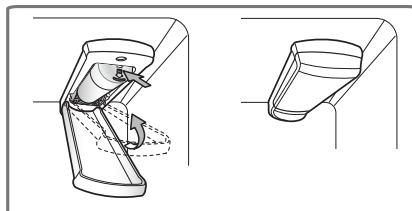


2 Replace with a new water filter.

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



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



- 3 After the water filter is replaced, dispense 2.5 gallons of water (flush for approximately five minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.

! CAUTION

- DO NOT operate refrigerator without water filter or water filter bypass plug installed.

! NOTE

- To purchase a replacement water filter:
Visit your local dealer or distributor
Web: Find Parts & Accessories from Support section of lg.com
Call : 1-800-243-0000 (USA)
1-888-542-2623 (Canada)
- Part number of the replacement water filter: ADQ73613401(LT800P)

Performance Data Sheet

Replacement cartridge: ADQ73613401

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and Standard 53.



System tested and certified by NSF International against NSF/ANSI Standard 42 and Standard 53 for the reduction of substances listed below.

Contaminant Reduction	Average Influent	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	97.5%	0.05 mg/L	N/A	≥ 50%
Nominal Particulate Class I, , ≥0.5 to < 1.0 µm	5,600,000 pts/mL	At least 10,000 particles/mL	99.3%	73,000 pts/ml	N/A	≥85%
Asbestos	170 MFL	10 ⁷ to 10 ⁸ MFL; fibers greater than 10 µm in length	>99%	< 1 MFL	N/A	≥99%
Atrazine	0.0087 mg/L	0.009 mg/L ± 10%	94.2%	0.00005 mg/L	0.003 mg/L	N/A
Benzene	0.017 mg/L	0.015 mg/L ± 10%	97%	0.005 mg/L	0.005 mg/L	N/A
Carbofuran	0.073 mg/L	0.08 mg/L ± 10%	98.8%	0.001 mg/L	0.04 mg/L	N/A
Lindane	0.002 mg/L	0.002 mg/L ± 10%	98.8%	0.00002 mg/L	0.0002 mg/L	N/A
P-Dichlorobenzene	0.263 mg/L	0.225 mg/L ± 10%	99.6%	0.001 mg/L	0.075 mg/L	N/A
Toxaphene	0.014 mg/L	0.015 mg/L ± 10%	93.5%	0.001 mg/L	0.003 mg/L	N/A
2,4-D	0.25 mg/L	0.210 mg/L ± 10%	99.5%	0.012 mg/L	0.07 mg/L	N/A
Lead pH @6.5	0.150 mg/L	0.15 mg/L ± 10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A
Lead pH @8.5	0.150 mg/L	0.15 mg/L ± 10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A
Mercury @ pH 6.5	0.006 mg/L	0.006 mg/L ± 10%	96.5	0.0002 mg/L	0.002 mg/L	N/A
Mercury @ pH 8.5	0.0062 mg/L	0.006 mg/L ± 10%	86.9	0.0081 mg/L	0.002 mg/L	N/A
Cyst*	120,000 cysts/L	Minimum 50,000 cysts/L	99.99%	<1 cyst/L	N/A	≥99.95%

* Based on the use of Cryptosporidium parvum oocysts

Application Guidelines/ Water Supply Parameters	
Service Flow	0.5 gpm (1.9 lpm)
Water Supply	Community or private well - Potable Water
Water Pressure	20 -120 psi (138 - 827 kPa)
Water Temperature	33°F - 100°F (0.6°C - 38°C)
Capacity	200 gallons (757 liters)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised.

**NOTE**

- While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: ADQ73613401

For estimated costs of replacement elements please call USA 1-800-243-0000 CANADA 1- 888-542-2623 (24 hours per day/7 days per week) or visit our website at www.lge.com

**WARNING**

To reduce the risk associated with choking:

- Do not allow children under 3 years of age to have access to small parts during the installation of this product.

To reduce the risk associated with the ingestion of contaminants:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts. EPA Establishment # 070595-MEX-001

**CAUTION**

To reduce the risk associated with property damage due to water leakage:

- Read and follow Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all state and local plumbing codes.
- Do not install if water pressure exceeds 120 psi (827 kPa). If your water pressure exceeds 80 psi, you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- Do not install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- Do not install on hot water supply lines. The maximum operating water temperature of this filter system is 100°F (37.8°C).
- Protect filter from freezing. Drain filter when temperatures drop below 40°F (4.4°C).
- The disposable filter cartridge **MUST** be replaced every 6 months, at the rated capacity or if a noticeable reduction in flow rate occurs.
- Protect from freezing, remove filter cartridge when temperatures are expected to drop below 33° F.
- Do not install systems in areas where ambient temperatures may go above 110° F (43.3° C). Where a backflow prevention device is installed on a water system, a device for controlling pressure due to thermal expansion must be installed.
- Ensure all tubing and fittings are secure and free of leaks.

Manufactured for LG Electronics by MCM Co., Ltd. 45-10, Nowon-Ri, Yiwol-Myun, Jinchun-Kun, Chung-Buk, Korea.

NSF International

RECOGNIZES

MCM Co., Ltd.

Republic of Korea

AS COMPLYING WITH NSF/ANSI 42, 53 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.



ANSI
ANSI Accredited Program
Performance 42/53/401
401
Certification Program
Accredited by the
American National
Standards Institute



Certification Program
Accredited by the
Standards Council
of Canada

This certificate is the property of NSF International and must be returned upon request. For the most current and complete information, please access NSF's website (www.nsf.org).

October 4, 2013
Certificate# C0174200 - 02

David Purkiss
General Manager, Water Systems

SMART DIAGNOSIS™



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

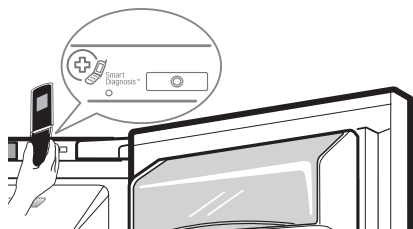
If you experience problems with your refrigerator, call 1-800-243-000 in USA (1-888-542-2623 in Canada). Only Use the Smart Diagnosis™ feature when instructed to do so by the LG call center agent. The transmission sounds that you will hear are normal sounds similar to fax machine.

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

USING SMART DIAGNOSIS™

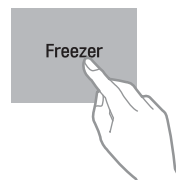
First, call 1-800-243-0000 (1-888-542-2623 in Canada). Only use the Smart Diagnosis™ feature when instructed to do so by the LG call center agent.

- 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 refrigerator door.



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

- 4 Press and hold the Freezer 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 three 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 the home telephone for better communication performance, resulting in better service.
- Bad call quality may result in poor data transmission from your phone to the machine, which could cause Smart Diagnosis™ to malfunction.

TROUBLESHOOTING

Common Product Questions

How do I unclog the ice dispenser chute?

Eliminate the frost of 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.

Make sure that the refrigerator doors are closed before attempting to dispense ice.

Why are ice crystals and frost forming on my frozen food?

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.

How long will it take for my ice bin to fill completely?

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.

Why does my ice and water taste unusual?

It is recommended that you replace the water filter:

- Approximately every 6 months.
- When the water filter indicator turns on.
- When the water dispenser output decreases.
- When the ice cubes are smaller than normal.

If your refrigerator was recently installed, dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.

Noises You Might Hear

Noise	Possible Causes	Solutions
Clicking	The defrost control will click when the automatic defrost cycle begins and ends. The thermostat control (or refrigerator control on some models) will also click when cycling on and off.	Normal Operation
Rattling	Rattling noises may come from the flow of refrigerant, the water line on the back of the unit, or items stored on top of or around the refrigerator.	Normal Operation
	Refrigerator is not resting solidly on the floor.	Floor is weak or uneven or leveling legs need to be adjusted. See the Door Alignment section.
	Refrigerator with linear compressor was jarred while running.	Normal Operation
Whooshing	Evaporator fan motor is circulating air through the refrigerator and freezer compartments.	Normal Operation
	Air is being forced over the condenser by the condenser fan.	Normal Operation
Gurgling	Refrigerant flowing through the cooling system.	Normal Operation
Popping	Contraction and expansion of the inside walls due to changes in temperature.	Normal Operation
Sizzling	Water dripping on the defrost heater during a defrost cycle.	Normal Operation
Vibrating	If the side or back of the refrigerator is touching a cabinet or wall, some of the normal vibrations may make an audible sound.	To eliminate the noise, make sure that the sides and back cannot vibrate against any wall or cabinet.
Dripping	Water running into the drain pan during the defrost cycle.	Normal Operation
Pulsating or high-pitched sound	Your refrigerator is designed to run more efficiently to keep your food items at the desired temperature. The high efficiency compressor may cause your new refrigerator to run longer than your old one, but it is still more energy efficient than previous models. While the refrigerator is running, it is normal to hear a pulsating or high-pitched sound.	Normal Operation

Before Calling for Service

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

Cooling

Problem	Possible Causes	Solutions
Refrigerator and Freezer section are not cooling.	The refrigerator control is set to OFF (some models).	Turn the control ON. Refer to the Setting the Controls section for proper temperature settings.
	Refrigerator is set to Demo Mode	Demo Mode allows the lights and control display to work normally while disabling cooling, to save energy while the refrigerator is on the showroom floor. See the FAQs or the Setting the Controls section of this manual for instructions on how to disable Demo Mode.
	Refrigerator 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.
	Refrigerator was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Refrigerator was recently relocated.	If the refrigerator was stored for a long period of time or moved on its side, it is necessary for the refrigerator to stand upright for 24 hours before connecting it to power.
Cooling System runs too much.	Refrigerator is replacing an older model.	Modern refrigerators require more operating time but use less energy due to more efficient technology.
	Refrigerator was recently plugged in or power restored.	The refrigerator will take up to 24 hours to cool completely.
	The door is opened often or a large amount of food / hot food was added.	Adding food and opening the door warms the refrigerator, requiring the compressor to run longer in order to cool the refrigerator back down. In order to conserve energy, try to get everything you need out of the refrigerator at once, keep food organized so it is easy to find, and close the door as soon as the food is removed. (Refer to the Food Storage Guide .)
	Doors are not closed completely.	Firmly push the doors shut. If they will not shut all the way, see the Doors will not close completely or pop open section in Troubleshooting.
	Refrigerator is installed in a hot location.	The compressor will run longer under warm conditions. At normal room temperatures (70°F) expect your compressor to run about 40% to 80% of the time. Under warmer conditions, expect it to run even more often. The refrigerator should not be operated above 110°F.
	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.

Cooling

Problem	Possible Causes	Solutions
Refrigerator or Freezer section is too warm.	Refrigerator was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	The air vents are blocked. Cold air circulates from the freezer to the fresh food section and back again through air vents in the wall dividing the two sections.	Locate air vents by using your hand to sense airflow and move all packages that block vents and restrict airflow. Rearrange items to allow air to flow throughout the compartment. (Refer to the Airflow diagram in the Using Your Refrigerator section.)
	Doors are opened often or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. To lessen the effect, reduce the frequency and duration of door openings.
	Unit is installed in a hot location.	The refrigerator should not be operated in temperatures above 110°F.
	A large amount of food or hot food was added to either compartment.	Adding food warms the compartment requiring the cooling system to run. Allowing hot food to cool to room temperature before putting it in the refrigerator will reduce this effect.
	Doors not closed correctly.	See the Doors will not close correctly or pop open section in Parts & Features Troubleshooting.
	Temperature control is not set correctly.	If the temperature is too warm, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Defrost cycle has recently completed.	During the defrost cycle, the temperature of each compartment may 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.
Refrigerator or Freezer section is too cold.	Incorrect temperature control settings.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
Items in the Cheese & Butter and Condiment bins are not as cool as other items in the refrigerator.	The Cheese & Butter and Condiment bins will be slightly warmer than the refrigerator compartment.	This is normal. Items that you would like to keep cooler should be stored in the refrigerator section.

Cooling

Problem	Possible Causes	Solutions
Interior moisture buildup.	Doors are opened often or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. To lessen the effect, reduce the frequency and duration of door openings.
	Doors not closed correctly.	See the Doors will not close correctly section in the Troubleshooting section.
	Weather is humid.	Humid weather allows additional moisture to enter the compartments when the doors are opened leading to condensation or frost. Maintaining a reasonable level of humidity in the home will help to control the amount of moisture that can enter the compartments.
	Defrost cycle recently completed.	During the defrost cycle, the temperature of each compartment may raise slightly and condensation may form on the back wall. Wait 30 minutes and confirm that the proper temperature has been restored once the defrost cycle has completed.
	Food is not packaged correctly.	Food stored uncovered or unwrapped, and damp containers can lead to moisture accumulation within each compartment. Wipe all containers dry and store food in sealed packaging to prevent condensation and frost.
Food is freezing in the refrigerator compartment.	Food with high water content was placed near an air vent.	Rearrange items with high water content away from air vents.
	Refrigerator temperature control is set incorrectly.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Refrigerator is installed in a cold location.	When the refrigerator is operated in temperatures below 41°F (5°C), food can freeze in the refrigerator compartment. The refrigerator should not be operated in temperatures below 55°F (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.

Cooling/Ice & Water

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 70-210 cubes in a 24 hour period.
	House water supply is not connected, valve is not turned on fully, or valve is clogged.	Connect the refrigerator to a cold water supply with adequate pressure and turn the water shutoff valve fully open. If the problem persists, it may be necessary to contact a plumber.
	Water filter has been exhausted.	Replacing the water filter is recommended: <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 between 20 and 120 psi on models without a water filter and between 40 and 120 psi on models with a water filter. If the problem persists, it may be necessary to contact a plumber.
	Reverse Osmosis filtration system is used.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to Water Pressure section.)
	Tubing connecting refrigerator to house supply valve is kinked.	The tubing can kink when the refrigerator is moved during installation or cleaning resulting in reduced water flow. Straighten or repair the water supply line and arrange it to prevent future kinks.
	Doors are opened often or for long periods of time.	If the doors of the unit are opened often, ambient air will warm the refrigerator which will prevent the unit from maintaining the set temperature. Lowering the refrigerator temperature can help, as well as not opening the doors as frequently.
	Doors are not closed completely.	If the doors are not properly closed, ice production will be affected. See the Doors will not close completely or pop open section in Parts & Features Troubleshooting for more information.
The temperature setting for the freezer is too warm.	The recommended temperature for the freezer compartment for normal ice production is 0°F. If the freezer temperature is warmer, ice production will be affected.	

Ice & Water

Problem	Possible Causes	Solutions
Icemaker is not making enough ice (continued).	Refrigerator was recently installed or icemaker recently connected.	It may take up to 24 hours for each compartment to reach the desired temperature and for the icemaker to begin making ice.
	Icemaker not turned on.	Locate the icemaker ON/OFF button on the display and confirm that it is set to the Ice On mode.
	The ice detecting sensor is obstructed.	Foreign substances or frost on the ice-detecting sensor can interrupt ice production. Make sure that the sensor area is clean at all times for proper operation.
	The refrigerator is not connected to a water supply or the supply shutoff valve is not turned on.	Connect the refrigerator to the water supply and turn the water shutoff valve fully open.
	Icemaker shutoff (arm or sensor) obstructed.	If your icemaker is equipped with an ice shutoff arm, make sure that the arm moves freely. If your icemaker is equipped with the electronic ice shutoff sensor, make sure that there is a clear path between the two sensors.
	Reverse osmosis water filtration system is connected to your cold water supply.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to the Water Pressure section.)
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.	Ice that has been stored for too long will shrink, become cloudy, and may develop a stale taste. Throw away old ice and make a new supply.
	The food has not been stored properly in either compartment.	Rewrap the food. Odors may migrate to the ice if food is not wrapped properly.
	The interior of the refrigerator needs to be cleaned.	See the Care and Cleaning section for more information.
	The ice storage bin needs to be cleaned.	Empty and wash the bin (discard old cubes). Make sure that the bin is completely dry before reinstalling it.
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.

Ice & Water

Problem	Possible Causes	Solutions
Ice is not dispensing.	Doors are not closed completely.	Ice will not dispense if any of the refrigerator doors are left open.
	Infrequent use of the dispenser.	Infrequent use of the ice dispenser will cause the cubes to stick together over time, which will prevent them from properly dispensing. Check the ice bin for ice cubes clumping/sticking together. If they are, break up the ice cubes to allow for proper operation.
	The delivery chute is clogged with frost or ice fragments.	Eliminate the frost or ice fragments by removing the ice bin and clearing the chute with a plastic utensil. Dispensing cubed ice can also help prevent frost or ice fragment buildup.
	The dispenser display is locked.	Press and hold the Lock button for three seconds to unlock the control panel and dispenser.
	Ice bin is empty.	It may take up to 24 hours for each compartment to reach the desired temperature and for the icemaker to begin making ice. Make sure that the shutoff (arm/sensor) is not obstructed. Once the ice supply in the bin has been completely exhausted, it may take up to 90 minutes before additional ice is available, and approximately 24 hours to completely refill the bin.
Water is dispensing slowly.	Water filter has been exhausted.	Replacing the water filter is recommended: <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.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. If the problem persists, it may be necessary to contact a plumber or install a booster pump to compensate for the low pressure.
	Low house water supply pressure.	The water pressure must be between 20 and 120 psi on models without a water filter and between 40 and 120 psi on models with a water filter. If the problem persists, it may be necessary to contact a plumber or install a booster pump to compensate for the low pressure.

Ice & Water

Problem	Possible Causes	Solutions
Water is not dispensing.	New installation or water line recently connected.	Dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.
	The dispenser panel is locked.	Press and hold the Lock button for three seconds to unlock the control panel and dispenser.
	The dispenser is not set for water dispensing.	The dispenser can be set for ice or water. Make certain that the control panel is set for the proper operation. Press the Water button on the control panel to dispense water.
	Refrigerator or freezer doors are not closed properly.	Water will not dispense if any of the refrigerator doors are left open.
	Water filter has been recently removed or replaced.	After the water filter is replaced, dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.
	Tubing connecting refrigerator to house supply valve is kinked.	The tubing can kink when the refrigerator is moved during installation or cleaning resulting in reduced water flow. Straighten or repair the water supply line and arrange it to prevent future kinks.
	The house water supply is not connected, the valve is not turned on fully, or the valve is clogged.	Connect the refrigerator to the water supply and turn the water shutoff valve fully open. If the problem persists, it may be necessary to contact a plumber.
Dispensing warm water.	Refrigerator was recently installed.	Allow 24 hours after installation for the water storage tank to cool completely.
	The water dispenser has been used recently and the storage tank was exhausted.	Depending on your specific model, the water storage capacity will range from approximately 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.
	Refrigerator is connected to the hot water supply.	Make sure that the refrigerator is connected to a cold water pipe. WARNING: Connecting the refrigerator to a hot water line may damage the icemaker.

Ice & Water/Parts & Features

Problem	Possible Causes	Solutions
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.	Replacing the water filter is recommended: <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.
	Refrigerator was recently installed.	Dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.
Doors will not close correctly or pop open.	Food packages are blocking the door open.	Rearrange food containers to clear the door and door shelves.
	Ice bin, crisper cover, pans, shelves, door bins, or baskets are out of position.	Push bins all the way in and put crisper cover, pans, shelves and baskets into their correct positions. See the Using Your Refrigerator section for more information.
	The doors were removed during product installation and not properly replaced.	Remove and replace the doors according to the Removing and Replacing Refrigerator Handles and Doors section.
	Refrigerator is not leveled properly.	See Door Alignment in the Refrigeration Installation section to level refrigerator.
Doors are difficult to open.	The gaskets are dirty or sticky.	Clean the gaskets and the surfaces that they touch. Rub a thin coat of appliance polish or kitchen wax on the gaskets after cleaning.
	Door was recently closed.	When you open the door, warmer air enters the refrigerator. As the warm air cools, it can create a vacuum. If the door is hard to open, wait one minute to allow the air pressure to equalize, then see if it opens more easily.
Refrigerator wobbles or seems unstable.	Leveling legs are not adjusted properly.	Refer to the Leveling and Door Alignment section.
	Floor is not level.	It may be necessary to add shims under the leveling legs or rollers to complete installation.
Lights do not work.	LED interior lighting failure.	The refrigerator compartment lamp is LED interior lighting, and service should be performed by a qualified technician. Refer to the Light Bulb Replacement section.

Parts & Features

Problem	Possible Causes	Solutions
Refrigerator has an unusual odor.	The Air Filter may need to be set to the MAX setting or replaced.	Set the Air Filter to the MAX setting. If the odor does not go away within 24 hours, the filter may need to be replaced. See the Replacing the Air Filter section for replacement instructions.
The interior of the refrigerator is covered with dust or soot.	The refrigerator is located near a fire source, such as a fireplace, chimney, or candle.	Make sure that the refrigerator is not located near a fire source, such as a fireplace, chimney or candle.

LG ELECTRONICS U.S.A., INC.
 LG REFRIGERATOR LIMITED WARRANTY - U.S.A.

Should your LG Refrigerator ("Product") fail due to a defect in materials or workmanship under normal home use, during the warranty period set forth below, LG will at its option repair or replace the product. This limited warranty is valid only to the original retail purchaser of the product and applies only when purchased and used within the United States including U.S. Territories. Proof of original retail purchase is required to obtain warranty service under this limited warranty.

WARRANTY PERIOD			
Refrigerator	Sealed System (Condenser, Dryer, Connecting Tube, Refrigerant and Evaporator)		Linear Compressor
One (1) year from the date of original retail purchase.	One (1) year from the date of original retail purchase.	Seven (7) years from the date of original retail purchase.	Ten (10) years from the date of original retail purchase.
Parts and Labor (internal/functional parts only)	Parts and Labor	Parts only (Consumer will be charged for labor)	Part only (Consumer will be charged for labor)

Noises associated with normal operation and failure to follow instructions found in the use and care and installation guides or operating the unit in an unsuitable environment will not be covered under this warranty.

Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.

Replacement products and parts may be new or remanufactured.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to deliver, pick up, install, or repair the product; instruct the customer on operation of the product; repair or replace fuses or correct wiring or plumbing, or correction of unauthorized repairs/installation.
- Failure of product to perform during power failures and interruptions or inadequate electrical service.
- Damage caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage resulting from operating the product in a corrosive atmosphere or contrary to the instructions outlined in the product owner's manual.
- Damage to the product caused by accidents, pests and vermin, lightning, wind, fire, floods, or acts of God.
- Damage resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes use of parts not approved or specified by LG.
- Damage or failure caused by unauthorized modification or alteration, or if it is used for other than the intended purpose, or any water leakage where the unit was not properly installed.
- Damage or failure caused by incorrect electrical current, voltage, or plumbing codes, commercial or industrial use, or use of accessories, components, or consumable cleaning products that are not approved by LG.
- Damage caused by transportation and handling, including scratches, dents, chips, and/or other damage to the finish of your product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery (Call: 1-800-243-0000).
- Damage or missing items to any display, open box, discounted, or refurbished product.
- Products with original serial numbers that have been removed, altered, or can not be readily determined. Model and Serial numbers, along with original retail sales receipt, are required for warranty validation.
- Increases in utility costs and additional utility expenses.
- Replacement of light bulbs, filters, or any consumable parts.
- Repairs when your product is used in other than normal and usual household use (e.g. commercial use, offices, and recreational facilities) or contrary to the instructions outlined in the product owner's manual.
- Costs associated with removal of your product from your home for repairs.
- The removal and reinstallation of the product if it is installed in an inaccessible location or is not installed in accordance with published installation instructions, including LG's owner's and installation manuals.
- Shelves, door bins, drawers, handles, accessories, and other parts besides those that were originally included with this particular model.

The cost of repair or replacement under these excluded circumstances shall be borne by the consumer.

For complete warranty details and customer assistance, please call or visit our website:
 Call 1-800-243-0000 (24 hours a day, 365 days a year) and select the appropriate option from the menu, or visit our website at www.lg.com
 Or by mail: LG Customer Information Center:
 P. O. Box 240007, 201 James Record Road Huntsville, Alabama 35813
 ATTN: CIC

Write your warranty information below:

Product Registration Information:

Model: _____

Serial Number: _____

Date of Purchase: _____



LG Customer Information Center

For inquiries or comments,
visit www.lg.com or call:

1-800-243-0000 USA, Consumer User

1-888-865-3026 USA, Commercial User

1-888-542-2623 CANADA

Register your product Online!

www.lg.com