

OWNER'S MANUAL SIDE BY SIDE REFRIGERATOR

Please read this manual carefully before operating your set and retain it for future reference.

Model Name **=color number, número de color, numéro de couleur

LSC23924**

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WARRANTY

Visit our web site/<http://www.lgservice.com>

LG Electronics

LIMITED WARRANTY **United States of America**

LG Electronics will repair or at its option replace, without charge, your product which proves to be defective in material or workmanship under normal use during the warranty period listed below from the date of original purchase.

This warranty is good only to the original purchaser of the product during the warranty period as long as it is in the U.S. including Alaska, Hawaii, and U.S. Territories.

LG Refrigerator / Freezer Warranty Period

Product	Parts	Labor
Refrigerator / Freezer	1 year	1 year [In-Home Service (Except Model GR-051)]
Sealed System (Compressor, Condenser, Evaporator)	7 years	1 year [In-Home Service (Except Model GR-051)]

No other express warranty is applicable to this product. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG ELECTRONICS SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY APPLICABLE TO THIS PRODUCT.

Some States do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts; so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

THE ABOVE WARRANTY DOES NOT APPLY TO:

1. Service trips to your home to deliver and pickup, install, instruct, or replace house fuses or correct house wiring or plumbing, or correction of unauthorized repairs.
2. Damage to the product caused by accident, pests, fire, floods, or acts of God.
3. Repairs when your LG product is used in other than normal, single-family household use.
4. Damage resulting from accident, alteration, misuse, abuse, or improper installation.
5. Damages caused during and/or after delivery
6. Display, discount, or refurbished units purchased with scratches, dents, or defects.

Proof of purchase is required and must be provided to LG in order to validate warranty.

Therefore, these costs are paid by the consumer.

If the product is installed outside the normal service area, any cost of transportation involved in the repair of the product, or the replacement of defective parts, shall be borne by the owner.

CUSTOMER ASSISTANCE NUMBERS:

To obtain Warranty Coverage:

Retain your Bill of Sale to prove date of purchase.

A Copy of your Sales Receipt must be submitted at the time warranty service is provided.

To obtain Product or Customer

Call 1-800-243-0000

(24 hrs a day, 7 days per week, 365 days per year)

Service Assistance:

Press the appropriate menu option, and have your product type (Refrigerator), model number, serial number, and ZIP/Postal Code ready.

To obtain the nearest Authorized Service Center:

Call 1-800-243-0000

(24 hrs a day, 7 days per week, 365 days per year)

Press the appropriate option, and have your product type (Refrigerator), model number, serial number, and ZIP/Postal Code ready.

WARRANTY

LG ELECTRONICS CANADA, INC. LG REFRIGERATOR LIMITED WARRANTY - Canada

WARRANTY: Should your LG Refrigerator ("Product") fail due to a defect in material or workmanship under normal home use during the warranty period set forth below, LG Canada will at its option repair or replace the Product upon receipt of proof of original retail purchase. This warranty is valid only to the original retail purchaser of the product and applies only to a Product distributed in Canada by LG Canada or an authorized Canadian distributor. The warranty only applies to Products located and used within Canada.

WARRANTY PERIOD: (Note: If the original date of purchase can not be verified, the warranty will begin sixty (60) days from the date of manufacture).		
Refrigerator/Freezer	Sealed System (Compressor, Condenser, and Evaporator only)	
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
Parts and Labor (internal/functional parts only)	Parts and Labor	Parts only (Consumer will be charged for labor)

- ✎ 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.
- ✎ LG Authorized Service Center warranties their repair work for thirty (30) days.

LG CANADA'S SOLE LIABILITY IS LIMITED TO THE WARRANTY SET OUT ABOVE. EXCEPT AS EXPRESSLY PROVIDED ABOVE, LG CANADA MAKES NO AND HEREBY DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS RESPECTING THE PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND NO REPRESENTATIONS SHALL BE BINDING ON LG CANADA. LG CANADA DOES NOT AUTHORIZE ANY PERSON TO CREATE OR ASSUME FOR IT ANY OTHER WARRANTY OBLIGATION OR LIABILITY IN CONNECTION WITH THE PRODUCT. TO THE EXTENT THAT ANY WARRANTY OR CONDITION IS IMPLIED BY LAW, IT IS LIMITED TO THE EXPRESS WARRANTY PERIOD ABOVE. LG CANADA, THE MANUFACTURER OR DISTRIBUTOR SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, DIRECT OR INDIRECT DAMAGES, LOSS OF GOODWILL, LOST PROFITS, PUNITIVE OR EXEMPLARY DAMAGES OR ANY OTHER DAMAGE, WHETHER ARISING DIRECTLY OR INDIRECTLY FROM ANY CONTRACTUAL BREACH, FUNDAMENTAL OR OTHERWISE, OR FROM ANY ACTS OR OMISSIONS, TORT, OR OTHERWISE.

This warranty gives you specific legal rights. You may have other rights which may vary from province to province depending on applicable provincial laws. Any term of this warranty that negates or varies any implied condition or warranty under provincial law is severable where it conflicts with provincial law without affecting the remainder of this warranty's terms.

THIS LIMITED WARRANTY DOES NOT COVER:

1. Service trips to deliver, pick up, or install the product; instructing a customer on operation of the product; repair or replacement of fuses or correction of wiring, or correction of unauthorized repairs/installation.
2. Failure of the product to perform during power failures and interruptions or inadequate electrical service.
3. Damage caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
4. Damage resulting from operating the Product in a corrosive atmosphere or contrary to the instructions outlined in the Product owner's manual.
5. Damage to the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, or acts of God.
6. Damage resulting from the misuse, abuse, improper installation, repair, or maintenance of the Product. Improper repair includes use of parts not approved or specified by LG Canada.
7. Damage or product failure caused by unauthorized modification or alteration, or use for other than its intended purpose, or resulting from any water leakage due to improper installation.
8. Damage or Product failure caused by incorrect electrical current, voltage, commercial or industrial use, or use of accessories, components, or cleaning products that are not approved by LG Canada.
9. 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.
10. Damage or missing items to any display, open box, discounted, or refurbished Product.
11. Products with original serial numbers that have been removed, altered, or cannot be readily determined. Model and Serial numbers, along with original retail sales receipt, are required for warranty validation.
12. Increases in utility costs and additional utility expenses.
13. Replacement of light bulbs, filters, or any consumable parts.
14. Repairs when your Product is used in other than normal and usual household use (including, without limitation, commercial use, in offices or recreational facilities) or contrary to the instructions outlined in the Product owner's manual.
15. Costs associated with removal of the Product from your home for repairs.
16. 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 the Product owner's and installation manuals.
17. Accessories to the Product such as door bins, drawers, handles, shelves, etc. Also excluded are parts besides those that were originally included with the Product.

All costs associated with the above excluded circumstances shall be borne by the consumer.

For complete warranty details and customer assistance, please call or visit our website :

Call 1-888-542-2623 (24 hours a day, 365 days a year) and select the appropriate option from the menu, or visit our website at <http://www.lg.ca>

Write your warranty information below :

Product Registration Information :

Model :

Serial Number:

Date of Purchase:

IMPORTANT SAFETY INSTRUCTIONS

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



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 DANGER, WARNING, or CAUTION. These words mean:

⚠ DANGER You will be killed or seriously injured if you do not follow instructions.

⚠ 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 only.

All safety messages will identify the hazard, tell you how to reduce the change of injury and tell you what can happen if the instructions are not followed.

⚠ WARNING

To reduce the risk of fire, electric shock or injury to persons when using your product, basic safety precautions should be followed, including the following. Read all instructions before using this appliance:

- NEVER unplug your refrigerator by pulling on the power cord. Always grip the plug firmly and pull it straight out from the outlet.
- Repair or replace immediately all electric service 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.
- When moving your refrigerator away from the wall, be careful not to roll over or damage it in any way.
- Do not crush or damage the water line.
- Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.
- Do not allow children to climb, stand or hang on the refrigerator doors or shelves in the refrigerator. They could damage the refrigerator and seriously injure themselves.
- Keep fingers out of 'pinch point' areas; clearances between the doors and cabinet are necessarily small. Be careful when you open the doors when children are in the area.
- Unplug your refrigerator before cleaning or making any repairs.

NOTE: We strongly recommend that any servicing be performed by a qualified individual.

- Do not store bottles in the freezer compartment, they may break when frozen, causing damage.
- The refrigerator-freezer should be positioned so that the supply plug is accessible for quick disconnection if an accident happens.
- For personal 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.

- This refrigerator must be properly installed in accordance with the 'Attention Installer' instructions that were taped to the front of the refrigerator.
- After your refrigerator is in operation, do not touch the cold surfaces in the freezer compartment when hands are damp or wet. Skin may adhere to the extremely cold surfaces.
- In refrigerator 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.
- DO NOT refreeze frozen foods which have thawed completely. The United States Department of Agriculture in Home and Garden Bulletin No. 69 says:
"...You may safely refreeze frozen foods that have thawed if they still contain ice crystals or if they are still cold below 40 °F (4 °C)".
"Thawed ground meats, poultry, or fish that have any off-odor or off-color should not be frozen and should not be eaten. Thawed ice cream should be discarded. If the odor or color of any food is poor or questionable, get rid of it. The food may be dangerous to eat".
"Even partial thawing and refreezing reduces the eating quality of foods, particularly fruits, vegetables and prepared foods. The eating quality of red meats is affected less than that of many other foods. Use refrozen foods as soon as possible to save as much of their quality as you can".

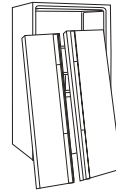
SAVE THESE INSTRUCTIONS

⚠ CAUTION

This appliance is not intended for use by children, persons with physical or mental disabilities, persons with reduced sensory or mental capacity, or persons that lack experience or know-how, unless they have supervision or instruction in relation to the use of the appliance by the person responsible for their safety. Children should be supervised to assure that they do not play with the appliance.

⚠ DANGER: CHILDREN MAY BECOME TRAPPED

Children becoming trapped or suffocated is not a problem of the past. Discarded and abandoned refrigerators are a hazard, even if they remain there “for just a few days”. If you would like to dispose of your old refrigerator, please follow the instructions below to prevent any accidents.



BEFORE DISPOSING YOUR REFRIGERATOR OR FREEZER WHEN NO LONGER IN USE:

- Remove the doors.
- Leave the shelves in place so that children cannot easily become stuck in them.

CFC DISPOSAL

Your old refrigerator may have a cooling system that uses CFC's (chlorofluorocarbons). CFC affects the stratospheric layer of the ozone.

If you decide to throw out your old refrigerator, ensure that-

-CFC contaminants are properly disposed of by a qualified professional. If you intentionally remove the CFC refrigerant, you could be subject to fines or prison in accordance with environmental legislation in effect.

REQUIREMENTS FOR GROUND CONNECTION

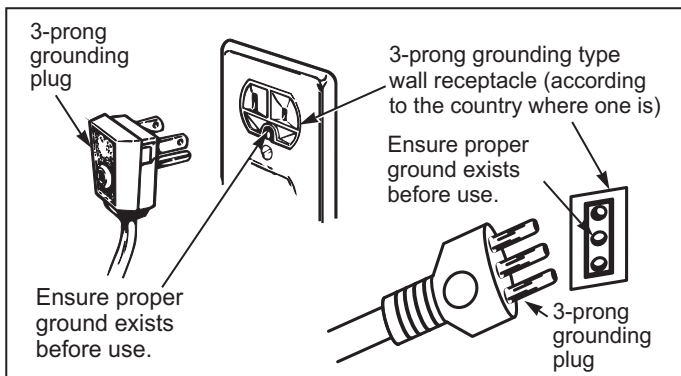
IMPORTANT: Attentively read the following.

TO CONNECT ELECTRICITY

⚠ WARNING

ELECTRICAL SHOCK HAZARD

FOR YOUR PERSONAL SAFETY, this appliance must be properly grounded. Have a qualified electrician check your wall outlet to ensure that the plug is grounded properly.



USE OF EXTENSION CORDS

Because of potential safety hazards under certain conditions, we strongly recommend against the use of an extension cord. However, if you still elect to use an extension cord, it is absolutely necessary that it be a UL-listed (in the United States), 3-wire grounding type appliance extension cord having a grounding type plug and outlet, and that the electrical rating of the cord be 15 amperes (minimum) and 120 V, 220 V or 115 V (According to the grounding requirements).

Use of an extension cord will increase the clearance needed for the back of the refrigerator. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid any hazard.

⚠ WARNING

REPLACING ELECTRICAL CABLE

If the power cord is damaged, it must be replaced by our service center or qualified LG technician to avoid any risk.

RECOMMENDED GROUNDING METHOD

The refrigerator should always be plugged into its own individual properly grounded electrical outlet rated for 127 V ~ 60 Hz, AC or 115 ~ 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. Use a receptacle which cannot be turned off with a switch or pull chain. Do not use an extension cord.

Where a standard two-prong wall outlet is encountered, it is your personal responsibility and obligation to have it replaced with a properly grounded three-prong wall outlet. Do not, under any circumstances, cut or remove the third (Ground) prong from the power cord.

NOTE: Before performing any type of installation or cleaning turn the control (thermostat, refrigerator control or freezer control, depending on the model) to OFF and then disconnect the refrigerator from the electrical source. When you are finished, reconnect the refrigerator to the electrical source and reset the control (thermostat, refrigerator control or freezer control, depending on the model) to the desired setting.

REFRIGERATOR INSTALLATION

⚠ WARNING

Excessive Weight Hazard

Use two or more people to move and install the refrigerator.
Failure to do so can result in back or other injury.

UNPACKING YOUR REFRIGERATOR

Remove tape and any temporary labels from your refrigerator before using. Do not remove any stickers that feature warnings, the model serial number.

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. For more information, see the **Important Safety Instructions** section.

Refrigerator shelves are installed in the shipping position.

Please reinstall shelves according to your individual storage needs.

⚠ WARNING

When Moving Your Refrigerator

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.

⚠ WARNING



Explosion Hazard

Keep flammable materials and vapors, such as gasoline, away from refrigerator.

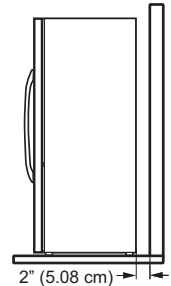
Failure to do so can result in death, explosion or fire.

INSTALLATION

1. Avoid placing unit near heat sources, direct sunlight or moisture.
2. To minimize noise and vibration, the refrigerator **MUST** be installed on a solidly constructed floor.
3. Carpeting and soft tile surfaces are not recommended.
4. **NEVER** install the refrigerator on a platform or a weakly supported structure.
5. Install this appliance in an area where the temperature is between 41 °F (5 °C) and 110 °F (43 °C). If the temperature around the appliance is too low or high, cooling ability may be adversely affected.

Keep a Proper Distance from Adjacent Objects

Please keep the refrigerator at an adequate distance from other objects. Insufficient spacing can reduce the refrigerator's freezing efficiency and increase electricity consumption.



⚠ WARNING

- Be careful when you work with the hinge, base grille, stopper, etc. You may be injured.
- Do not put hands or metal sticks into air vents, base grille or bottom of the refrigerator. You may be injured or receive an electrical shock.

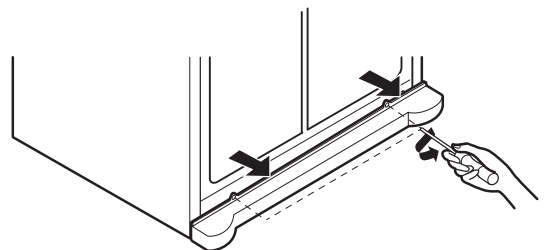
INSTALLATION OF BASE GRILLE

To install or replace base grille:

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

To remove the base grille:

1. Open the doors. (Refrigerator and Freezer)
2. Once doors are open, remove screws from base grille. Remove base grille and set safely aside.



REFRIGERATOR INSTALLATION

HANDLE REMOVAL (Identify your handle type)

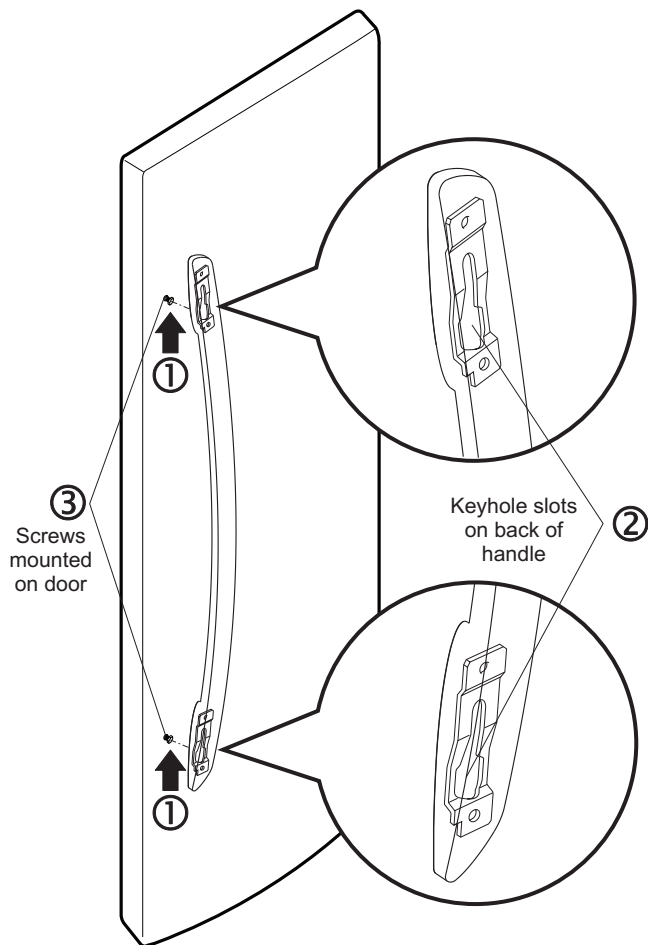
You may have to remove the door handles to move the refrigerator through a narrow opening. See instructions below.

NOTE: To avoid damaging door surfaces when moving the refrigerator through narrow openings, it is ALWAYS recommended to remove the doors as instructed in the next two pages.

- Grasp the handle tightly with both hands and slide the handle up (1) (this may require some force).
- The keyhole slots (2) on the back of the handle allow the handle to separate from the mounting screws (3).

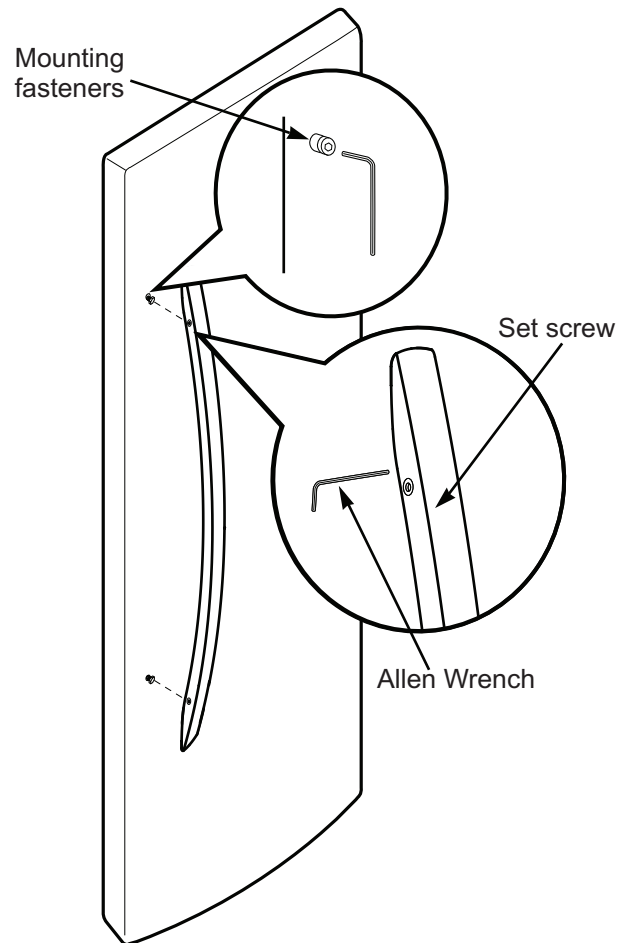
CAUTION: It could be damaged and broken when you hit with hammer while you remove and attach the handle.

CAUTION: When you assemble or disassemble handle, you must push and pull with moment force.



- Loosen the set screws with a 3/32" (2.38 mm) Allen wrench and remove the handle.

NOTE: If the handle mounting fasteners need to be tightened or moved, use a 1/4" (6.35 mm) Allen wrench.



REFRIGERATOR INSTALLATION

⚠ WARNING

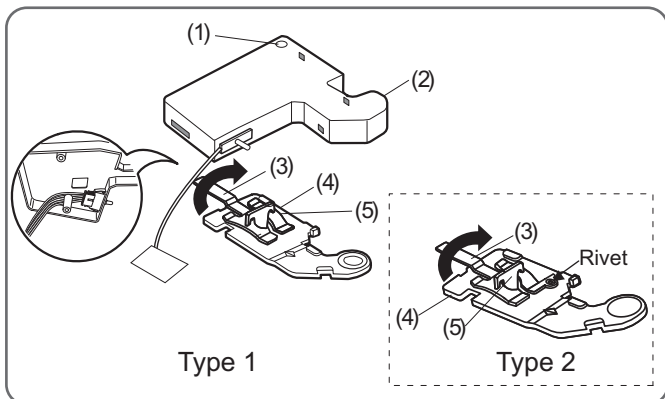
Electric Shock Hazard

- Disconnect electrical supply to the refrigerator before installing. Failure to do so could result in death or serious injury.
- Do not put hands or feet or other objects into the air vents, base grille, or bottom of the refrigerator. You may be injured or receive an electrical shock.
- Be careful when you work with the hinge, base grille, and stopper. You may be injured.

REMOVING AND REPLACING REFRIGERATOR DOORS

Before remove the doors, remove the Base Grille.
See **BASE GRILLE INSTALLATION** for reference.

To remove 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) on the cabinet underside of the cover (2). Lift up the cover.
3. Rotate the hinge lever (3) clockwise. Lift the top hinge (4) free of the hinge lever latch (5).

NOTE: Regardless the type of hinge lever (3);
type1: without rivet or type 2: with rivet the
removal process is the same.

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

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

Removing the left (freezer) door with water line connection.

- Pull up the water feed tube while pressing area (Figure 1) as shown in the figure below.

NOTE: If a tube end is deformed or abraded, trim the part away. Disconnecting the tube under the door causes about 0.13 gallons (1.5 liters) water to flow out. Put a large container at end of tube to prevent water from draining onto the floor.

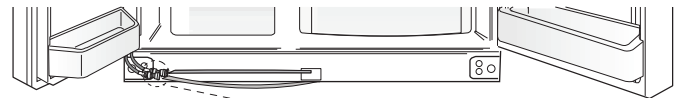
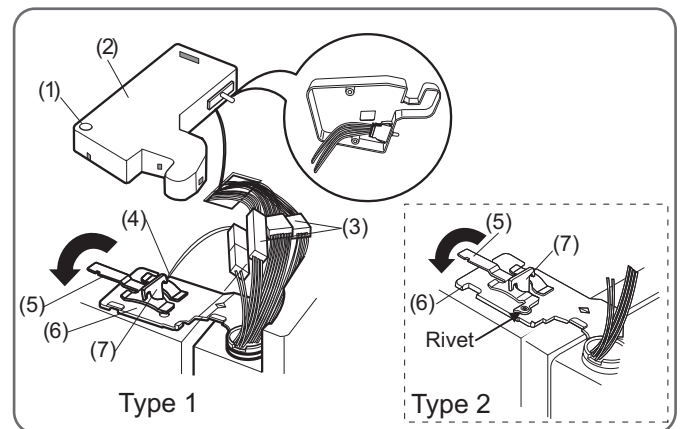
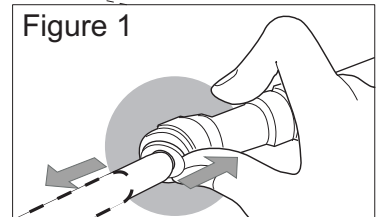


Figure 1



1. Open the door. Remove the top hinge cover screw (1).
2. Use a flat blade screwdriver to pry back the hooks (not shown) on the cabinet underside of the cover (2). Lift up the cover.
3. Disconnect all the wire harnesses (3).
4. Remove the grounding screw (4).
5. Rotate hinge lever (5) counterclockwise. Lift the top hinge (6) free of the hinge lever latch (7).

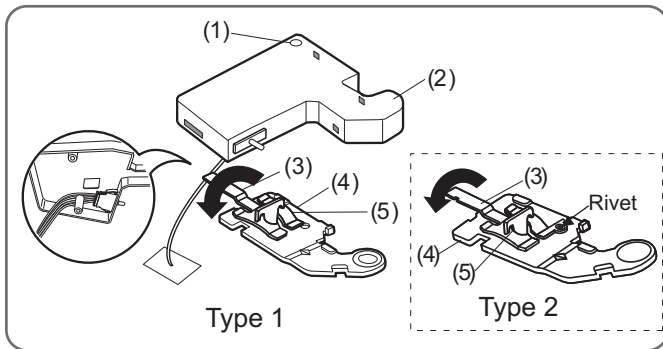
NOTE: Regardless the type of hinge lever (5);
type1: without rivet or type 2: with rivet the
removal process is the same.

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

6. Lift the door from the lower hinge pin being careful to pull the water lines through the lower hinge pin.
7. Place the door, inside facing up, on a nonscratching surface.

REFRIGERATOR INSTALLATION

Reinstalling the right (Refrigerator) door

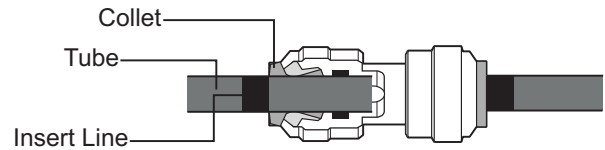


1. Place the door onto the lower hinge pin.
2. Fit top hinge (4) over hinge lever latch (5) into place. Rotate lever (3) counterclockwise to secure hinge.

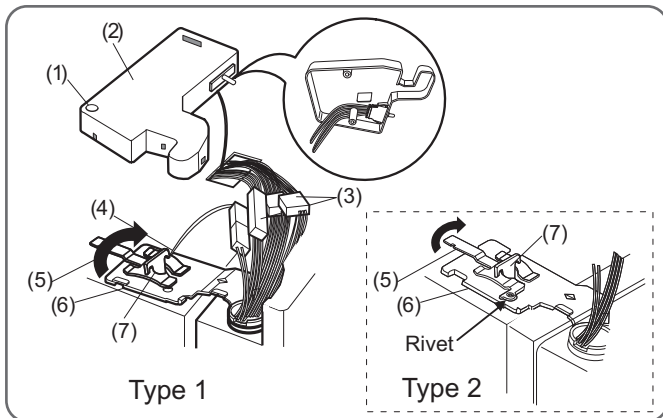
NOTE: Regardless the type of hinge lever (3);
type1: without rivet or type 2: with rivet the
removal process is the same.

3. Hook tab on switch side of corner under edge of wire opening in cabinet top. Position cover (2) into place. Insert and tighten cover screw (1).

4. Hook tab on door switch side of cover (2) under edge of wire opening in cabinet top. Position cover into place. Insert and tighten cover screw (1).
5. Reconnect the water tubes by inserting the tubes into the connectors.



Reinstalling the left (Freezer) door



1. Feed the water tubes through the lower hinge pin and place the door onto the lower hinge pin.
2. Fit top hinge (6) over hinge lever latch (7) and into place. Rotate lever (5) clockwise to secure hinge

NOTE: Regardless the type of hinge lever (5);
type1: without rivet or type 2: with rivet the
removal process is the same.

3. Install the grounding screw (4) and connect all the wire harnesses (3).

REFRIGERATOR INSTALLATION

DOOR ALIGNMENT

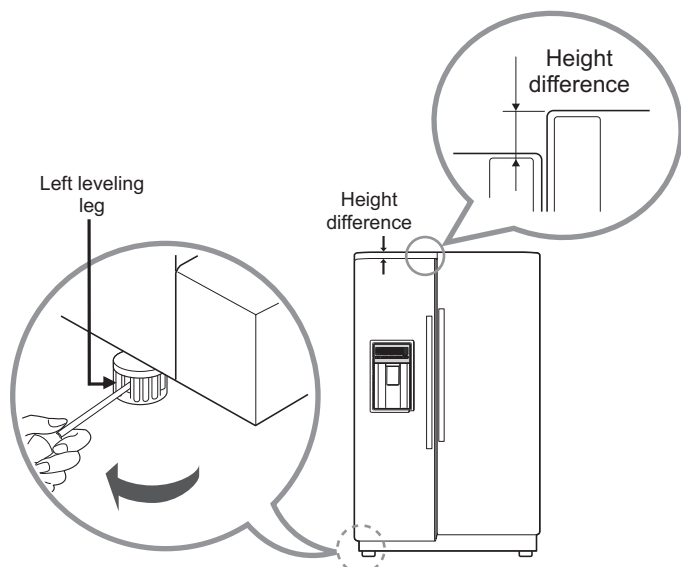
Remove the base grille before adjusting the doors. See **BASE GRILLE INSTALLATION** for reference.

Two methods of door alignment are available based on the amount of adjustment needed and installation requirements.

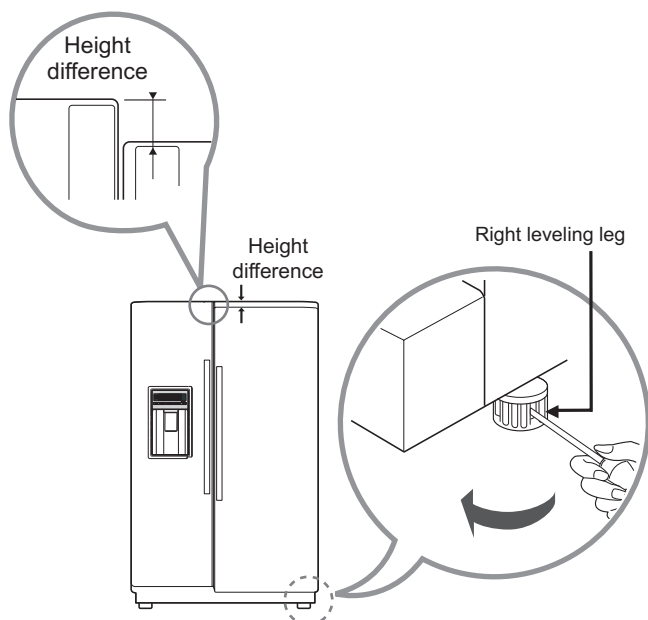
Type 1

Adjusting tool: Flat blade screwdriver

If the freezer compartment door is lower than the refrigerator compartment door, level them by inserting a flat blade screwdriver into the groove of the left leveling leg and rotating it clockwise.

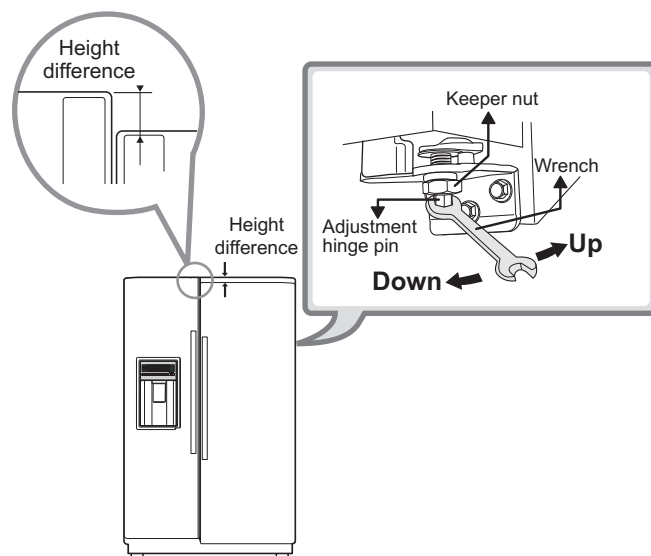


If the freezer compartment door is higher than the refrigerator compartment door, level them by inserting a flat blade screwdriver into the groove of the right leveling leg and rotating it clockwise.



Type 2

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



Using a 3/4" (19 mm) wrench, turn the keeper nut clockwise to loosen the keeper nut.

Using a 5/16" (8 mm) wrench, turn the adjustment hinge pin clockwise or counterclockwise to level the refrigerator and freezer door.

After leveling the door, turn the keeper nut counterclockwise to tighten.

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

AFTER LEVELING THE DOOR HEIGHT

Confirm all legs are in contact with the floor.

REFRIGERATOR INSTALLATION

CONNECTING THE WATER LINE

NOTE: Water line installation is needed when the Automatic Ice Maker and/or Water Dispenser features are available on your product.

BEFORE YOU BEGIN

This water line installation is not warranted by the refrigerator or icemaker manufacturer or seller. 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 lead to water leakage or flooding. Call a qualified plumber to correct water hammer before installing the water supply line to the refrigerator.

To prevent burns and product damage, do not hook up the water line to the hot water line.

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

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

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

All installations must be in accordance with local plumbing code requirements.

NOTE: Wear eye protection.

- **If a reverse osmosis water filtration system** is connected to your cold water supply, the water line installation is not warranted by the refrigerator or icemaker manufacturer or seller. Follow next instruction carefully to minimize the risk of expensive water damage.

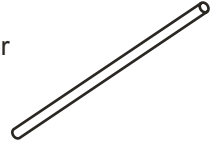
- **If a reverse osmosis water filtration system** is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 PSI (2.8 kg·f/cm² ~ 4.2 kg·f/cm², less than 2~3 sec to fill a cup of 7 oz capacity).

If the water pressure from the reverse osmosis system is less than 21 PSI (1.5 kg·f/cm², more than 4 sec to fill a cup of 7 oz capacity):

- Check to see whether 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 about water pressure from reverse osmosis remains, call a licensed, qualified plumber.

WHAT YOU WILL NEED

- **Copper Tubing**, ¼" (6.35 mm) outer diameter to connect the refrigerator to the water supply. Be sure both ends of the tubing are cut square.



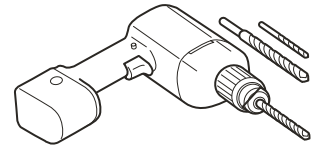
To determine how much tubing you need, measure the distance from the water valve on the back of the refrigerator to the water supply pipe. Then add 8 feet (2.4 m). Be sure there is sufficient extra tubing (about 8 feet [2.4 m] coiled into 3 turns of about 10" [25 cm] diameter) to allow the refrigerator to move out from the wall after installation.

Be sure that the kit you select allows at least 8 feet (2.4 m) as described above.

- **A cold water supply.** The water pressure must be between 20 and 120 PSI (1.4 bar and 8.2 bar) on models without a water filter and between 40 and 120 PSI (2.8 bar and 8.2 bar) on models with a water filter.

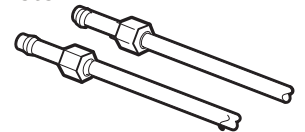
- **Power drill.**

- **½" (12.7 mm) or Adjustable Wrench.**

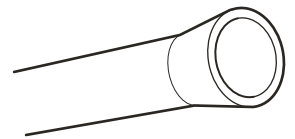


- **Flat head-and Phillips-screwdrivers.**

- **Two ¼" (6.35 mm) outer diameter compression nuts and 2 ferrules (sleeves)** to connect the copper tubing to the shutoff valve and the refrigerator water valve.

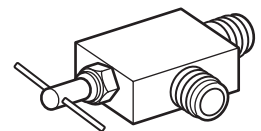


- If your existing copper water line has a flared fitting at the end, you will need an **adapter** (available at plumbing supply stores) to connect the water line to the refrigerator OR you can cut off the flared fitting with a tube cutter and then use a compression fitting.



- **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"

(3.96 mm) 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.



REFRIGERATOR INSTALLATION

INSTALLATION INSTRUCTIONS

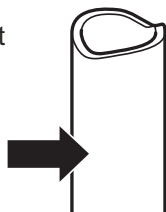
Install the shutoff valve on the nearest frequently used drinking water line.

1. SHUT OFF THE MAIN WATER SUPPLY

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

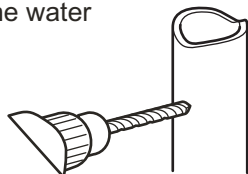
2. CHOOSE THE VALVE LOCATION

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



3. DRILL THE HOLE FOR THE VALVE

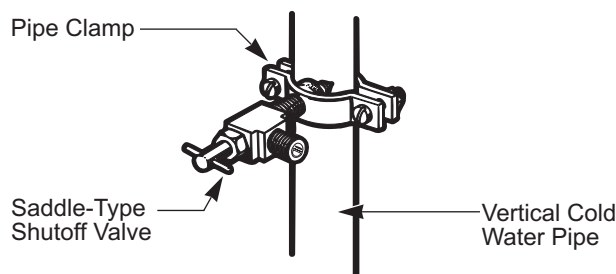
Drill a 1/4" (6.35 mm) hole in the water pipe using a sharp bit. Remove any burrs resulting from drilling the hole in the pipe. Take care not to allow water to drain into the drill. Failure to drill a 1/4" (6.35 mm) hole may result in reduced ice production or smaller cubes.



NOTE: Licensed plumbers must use only cooper tubing NDA tubing #49595 or 49499 or Cross Link Polyethylene (PEX) tubing.

4. FASTEN THE SHUTOFF VALVE

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

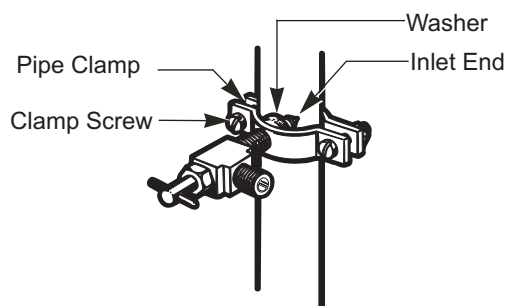


NOTE: Commonwealth of Massachusetts Plumbing Codes 248CMR shall be adhered to. Saddle valves are illegal and use is not permitted in Massachusetts. Consult with your licensed plumber.

5. TIGHTEN THE PIPE CLAMP

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

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



6. ROUTE THE TUBING

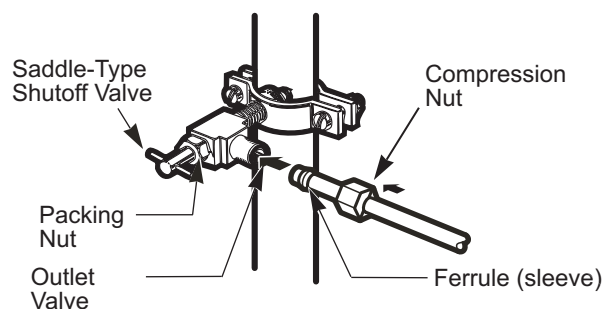
Route the tubing between the cold water line and the refrigerator.

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

NOTE: Be sure there is sufficient extra tubing, [about 8 feet (2.4 m) coiled into 3 turns of about 10" (254 mm) 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.



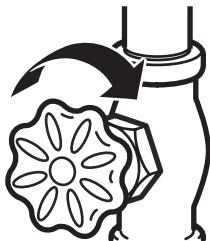
NOTE: Commonwealth of Massachusetts Plumbing Codes 248CMR shall be adhered to. Saddle valves are illegal and use is not permitted in Massachusetts. Consult with your licensed plumber.

REFRIGERATOR INSTALLATION

8. FLUSH OUT THE TUBING

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

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



9. CONNECT THE TUBING TO THE REFRIGERATOR

NOTES:

- Before making the connection to the refrigerator, be sure the refrigerator power cord is not plugged into the wall outlet.
 - 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; only use new hoses provided by the manufacturer.
1. Remove the plastic flexible cap from the refrigerator connection.
 2. Place the compression nut and ferrule (sleeve) onto the end of the tubing (See figure 1).
 3. Insert the end of the tubing into the connection as far as possible. While holding the tubing, tighten the fitting (Part A).

CAUTION: Check to make sure that leaks are not occurring in the water line.

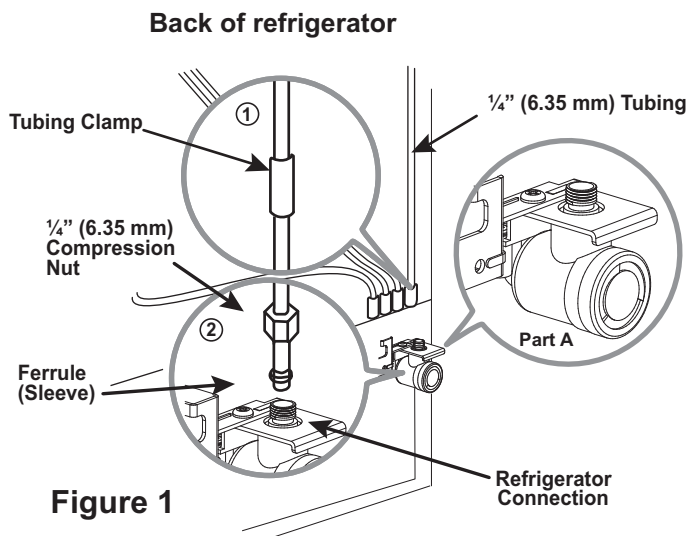
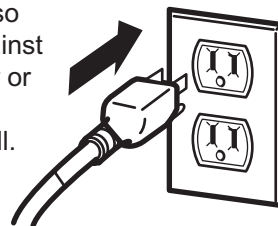


Figure 1

Fasten the tubing into the tubing clamp attached to the back of the refrigerator. First, loosen the screw fastening the clamp. Next, insert the tubing in the groove. Finally, re-fasten the screw.

10. PLUG IN THE REFRIGERATOR

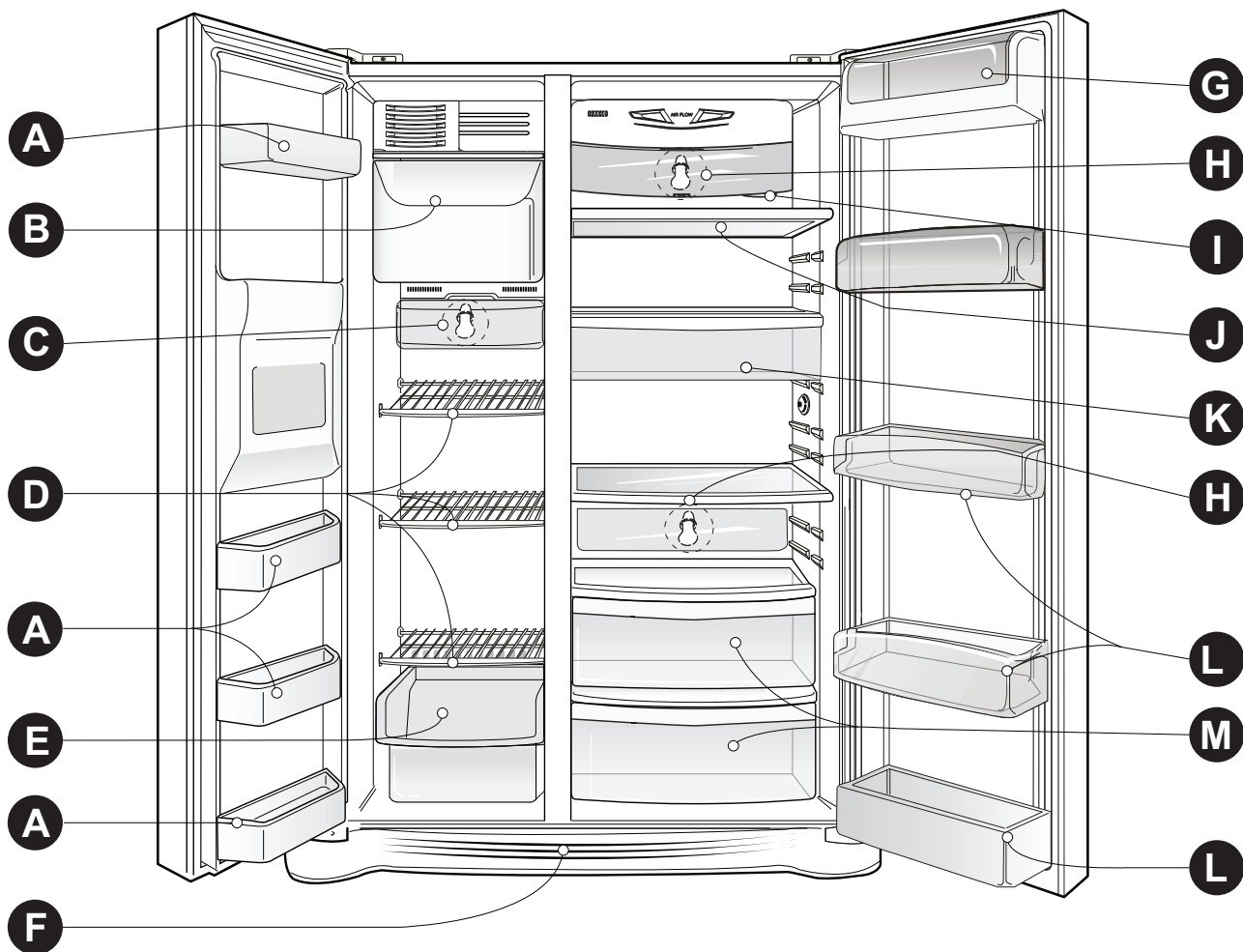
Arrange the coil of tubing so that it does not vibrate against the back of the refrigerator or against the wall. Push the refrigerator back to the wall.



11. START THE ICEMAKER

Set the icemaker power switch to the **(ON) I** 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.

REFRIGERATOR FEATURES



Read this section to familiarize yourself with the parts and features of your new refrigerator.

Note: This guide covers different models. Your refrigerator could have some or all of the features and parts listed below. The location of some of the parts may not correspond to that of your model.

A Freezer Door Rack

B Automatic Icemaker
The ice is produced in the icemaker and sent to the dispenser.

C Freezer Lamp

D Freezer Shelf
(Wire/Glass)

E Drawer (Wire/Plastic)

F Base Grille

G Dairy Corner
For storage of dairy products such as butter and cheese.

H Refrigerator Lamp

I Water Filter*

J Refrigerator Shelf

K Snack Pan
For storage of meat or fresh food.

L Refrigerator Door Rack
(Crystal/Opaque)

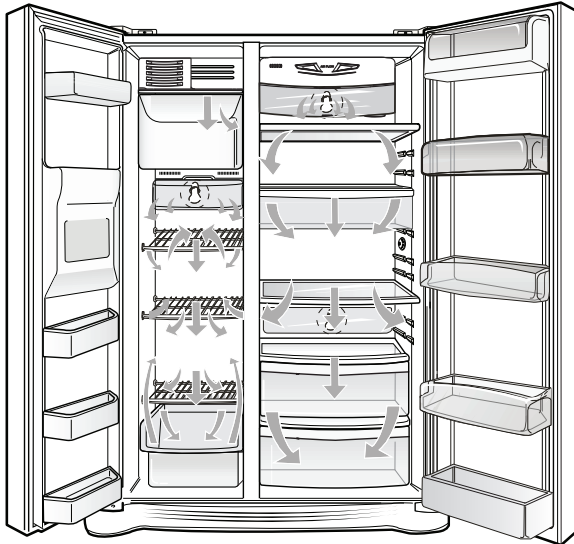
M Vegetable Drawer

* On some models

USING YOUR REFRIGERATOR

ENSURING PROPER AIR CIRCULATION

In order to ensure proper temperatures, air must flow between the refrigerator and freezer sections. As shown in the illustration below, cool air enters through the refrigerator of the freezer section and moves up. Most of the air then flows through the freezer section vents and recirculates under the freezer floor. The rest of the air enters the refrigerator section through the top vent.

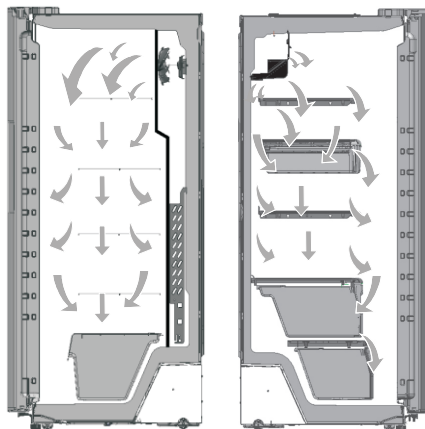


- **Do not block any of these vents** with food packages. If the vents are blocked, airflow will be interrupted and temperature and moisture problems may occur.

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 drying 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.



PRIOR TO USE

1. Clean your refrigerator thoroughly and wipe off dust accumulated during shipping.
2. Install accessories such as ice cube bin, drawers, shelves, etc., in their proper places. They are packed together to prevent possible damage during shipment.
3. Let your refrigerator run for at least 2 or 3 hours before putting food in it. Check the flow of cold air in the freezer compartment to ensure proper cooling. Your refrigerator is now ready for use.

CONTROL PANEL FEATURES

(Identify your Control type)

Press the button for the desired function to review and select other settings.

Type 1



Type 2



Refrigerator and Freezer controls:

Initially set the refrigerator and freezer controls to the recommended (middle) settings by pressing REFRIGERATOR Graphic and FREEZER Graphic.

NOTE: When changing control settings, wait 24 hours before making additional adjustments. After 24 hours, adjust the compartments temperatures as desired. The more lit bars, the colder the refrigerator and freezer will be.



USING YOUR REFRIGERATOR

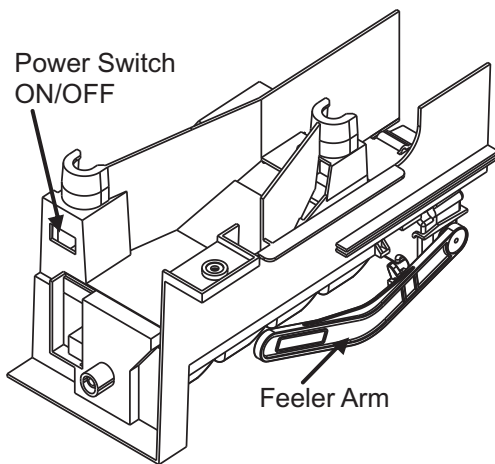
Icemaker operation

⚠ 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 icemaking mechanism while the refrigerator is plugged in.

A newly-installed refrigerator may take 12 to 24 hours to begin making ice.



The icemaker will produce 8 cubes per cycle, approximately 70~80 cubes in a 24-hour period, depending on freezer compartment temperature, room temperature, number of door openings and other operating conditions.

If the refrigerator is used before the water connection is made to the icemaker, set the power switch to **OFF (O)**.

When the refrigerator has been connected to the water the icemaker will fill with water when it cools to freezing.

The icemaker will begin to operate when it lowers the temperature until the freezing point.

Throw away the first few batches of ice to allow the water line to clear.

Be sure nothing interferes with the sweep of the feeler arm.

When the bin fills to the level of the feeler arm, the icemaker will stop producing ice.

It is normal for several cubes to be stuck together.

If ice is not used frequently, old ice cubes will become cloudy, taste stale, and shrink.

Display Off Mode

The display lights up and stays lit when the refrigerator is plugged in for 60 seconds. After the display lights all off except the dispenser icon selected (CRUSH, WATER or CUBE) and the display only lights when door is opened or display button is pressed. Display turn off 20 seconds after door is closed or display button pressed. You can change the display always ON pressing "FREEZER" and "ICE PLUS" buttons at the same time for 5 seconds. A tone will sound indicating that the display is ON (Display Off Mode Deactivate). Activate the Display Off Mode in same manner as deactivation.

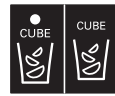
ICETYPE

ICE TYPE

(Identify your display type)

You can select water or ice.

- Select Water, Crushed Ice or Cubed Ice by pressing this button to the selection desired. The Water, Crushed Ice or Cubed Ice icon will light up to indicate selection.



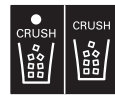
Type 1 Type 2

Light the cubed ice lamp by pressing the selection button. If you have the type 1, the dot on icon will be illuminated, but if you have the type 2, the icon, will be illuminated.



Type 1 Type 2

Light the water lamp by pressing the selection button. If you have the type 1, the dot on icon will be illuminated, but if you have the type 2, the icon, will be illuminated.



Type 1 Type 2

Light the crushed ice lamp by pressing the selection button. If you have the type 1, the dot on icon will be illuminated, but if you have the type 2, the icon, will be illuminated.

To dispense water or ice, gently push your cup against the dispenser pad.

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.

Door Alarm

When either refrigerator or freezer door is left open for more than 60 seconds, an alarm will sound 5 times at thirty-second intervals to let you know the door is open. The alarm will repeat every 30 seconds until all doors are completely closed.

Please contact the local service center if warning tone continues to sound even after closing the door.

USING YOUR REFRIGERATOR



ICE PLUS

Press this button once to activate the ice plus function. The ICE PLUS icon on the display panel will illuminate when activated. The ice plus function runs the freezer compartment at the coldest settings for a 24 hour period to increase ice making. Press the button again to cancel the Ice Plus function.



LOCK

The Lock button deactivates the temperature controls and dispenser functions.

Press and hold this button for 3 seconds or until the Lock indicator light is lit.

To disable the Lock function, press and hold the filter button for 3 seconds or until the Lock indicator light is off.



FILTER

(filter replacement cycle)

There is an indicator light for the water filter cartridge on the dispenser that will blink to indicate it is time to change the water filter. Water filters usually need to be replaced once every six months. After replacing the filter, press and hold the Filter Reset button for 3 seconds to turn off the filter status light.

Display Off Mode

This display lights up and stays lit for 60 seconds when the refrigerator is plugged in. Then all the display lights go off except for the selected dispenser icon (water, or cubed or crushed ice). In this Display Off mode, the display only lights when the door is opened or the display button is pressed.

To deactivate the Display Off Mode, press and hold the Freezer Temp and Ice Plus buttons for 5 seconds until the tone sounds. Repeat this procedure to reactivate the Display Off Mode.

ADJUSTING CONTROL SETTINGS

Give the refrigerator time to cool down completely before making final adjustments. It is best to wait 24 hours before doing this. The initial settings mentioned in **CONTROL PANEL FEATURES** section should be correct for normal household refrigerator use. The controls are set correctly when milk or juice is as cold as you like and when ice cream is firm.

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.

If you need to adjust temperatures in the refrigerator or freezer, start by adjusting the refrigerator and allow 24 hours for the temperature to stabilize. If it is 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 is too warm • Opening the door often • Adding a large amount of food • Room temperature is very warm	Adjust the REFRIGERATOR setting to the next highest number and wait 24 hours, then check
FREEZER section is too warm/ ice is made too slowly • Opening the door often • Adding a large amount of food • Room temperature is very low (not cycling often enough) • Using ice frequently • Air vents blocked by objects	Adjust the FREEZER setting to the next highest number and wait 24 hours, then check Remove any objects blocking blocking air flow.
REFRIGERATOR section is too cold • Controls not set correctly for your conditions	Adjust the REFRIGERATOR setting to the next highest number and wait 24 hours, then check
FREEZER section is too cold • Controls not set correctly for your conditions	Adjust the FREEZER setting to the next highest number and wait 24 hours, then check

USING YOUR REFRIGERATOR

FOOD STORAGE GUIDE

Storing Fresh Food

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.

Butter or margarine

Store opened butter in a covered dish or in a closed compartment. When storing a larger quantity, wrap in freezer packing and freeze.

Cheese

Store in original packaging until you are ready to use it. Once opened, tightly rewrap with plastic wrap or aluminum foil.

Milk

Clean the carton. For best storage, place on an interior shelf, not in the door.

Eggs

Store in original carton or in the egg compartment.

Fruit

Wash and let dry; store in plastic bags in the refrigerator. Do not wash or pit berries until you are ready to eat them. Berries should be selected and kept in their original packaging (if there is any) or in a paper bag closed halfway and set on a shelf.

Leafy vegetables

Remove original packaging and trim any dirty or discolored parts. Wash in cold water and drain. Place in a plastic bag or plastic container and store in the crisper.

Vegetables with skins (carrots,peppers)

Place in bags or plastic containers inside the crisper.

Fish

Consume fish or seafood the same day purchased.

Chef fresh

Store any meat in original airtight, moisture-proof packaging. Rewrap if necessary.

Leftovers

Cover leftovers with plastic wrap or aluminum foil. Plastic containers with airtight lids can also be used.

STORING FROZEN FOOD

NOTE: For further information about preparing food for freezing or food storage times, check a freezer guide or a reliable cookbook.

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 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
- Containers without tight lids
- Wax paper or wax-coated freezer wrap
- Thin, semi-permeable wrap

⚠ CAUTION: Do not keep beverage cans or plastic food containers in the freezer compartment. They may burst if they freeze.

Freezing

Your freezer will not quick-freeze any 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 (0.9 to 1.35 kg per cubic meter) 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.

Food storage times will vary according to the quality and type of food, the type of packaging or wrap used (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.

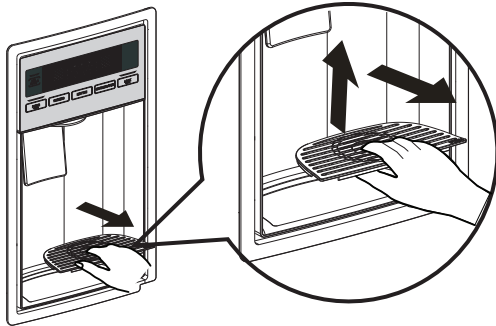
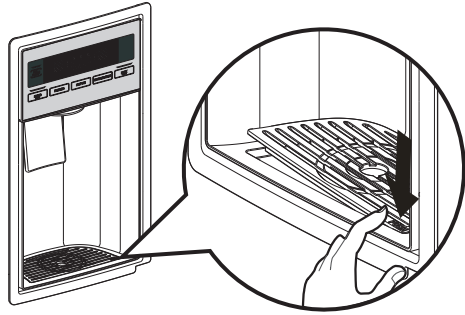
NOTE: Allow hot foods to cool at room temperature for 30 minutes, then package and freeze. Cooling hot foods before freezing saves energy.

USING YOUR REFRIGERATOR

WATER DISPENSER

Your refrigerator has a mechanism that dispatch cool water and ice cubes without open the door.

- Tray can be easily removed by pressing and pulling it.
- First push the tray in the area with the word 'PUSH', then place your finger in the center hole and upwards, finally takes out the tray.



⚠ WARNING

Do not put your hands into the water & ice dispenser opening. Doing so may cause an injury to your hand.



⚠ CAUTION

When opening the container with the small opening, use it near the opening of the water or ice dispenser as close as possible.

For best performance, use a container that is smaller than the dispenser opening.

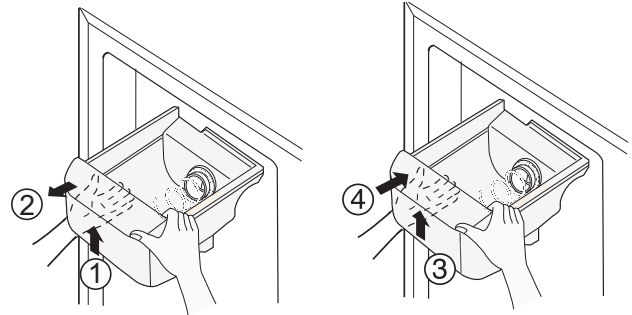


ICE STORAGE BIN

The ice bin stores the ice cubes made by the ice maker. If you need remove the Ice storage bin, please follow the next steps:

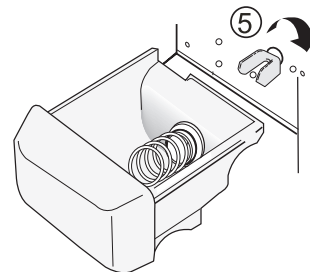
NOTE: Use both hands to remove the ice bin to avoid dropping it. If the ice bin does not slide into place easily, twist the drive device slightly.

- Hold the ice storage bin as shown in the right figure ① and pull it out while slightly lifting it ②.



- To assemble the ice storage bin, push it ③ while slightly lifting it ④.

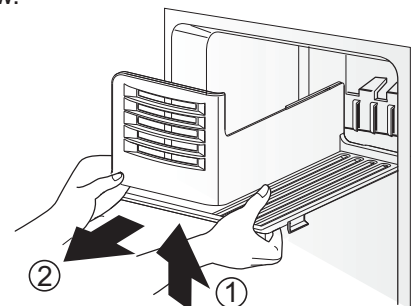
Make sure it is fully engaged into the auger drive ⑤.



ICEMAKER COVER

If you need access to the icemaker, follow these steps:

- Remove the ice storage bin. See **ICE STORAGE BIN** for reference.
- Lift the icemaker cover ① and pull it out ② as shown in the figure below.

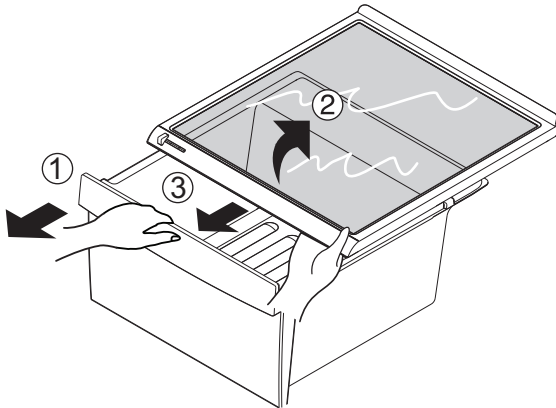


USING YOUR REFRIGERATOR

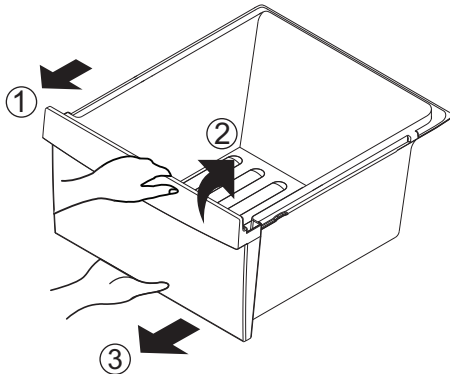
CRISPER AND CRISPER COVER

The crisper allows for better conservation of fruits and vegetables.

- To remove the crisper compartment cover, pull out the crisper compartment a bit to the front ①, lift the front part of the cover as shown in ②, and take it out ③.

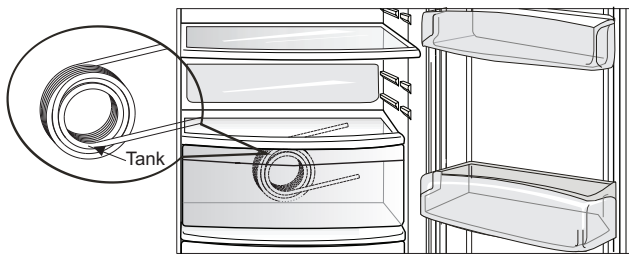


- To remove the crisper compartment, pull the crisper compartment to the front ① until it stops. Then slightly lift the crisper compartment ② while pulling it out ③.



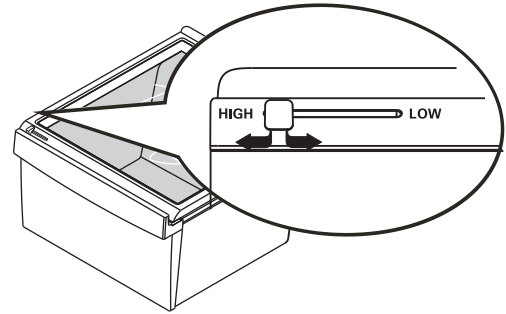
⚠ CAUTION

When removing the crisper compartment you will see the water tank. Do not remove it, or water leakage may result. The water tank is not a removable part.



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

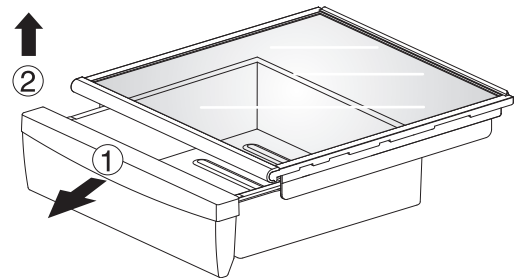
- **"HIGH"**: Keeps moist air in the crisper for best storage of fresh, leafy vegetables.
- **"LOW"**: Lets moist air out of crisper for best storage of fruits or vegetables with skins.



SNACK PAN

Air is entered in the refrigerator when the door is open, unaffected cold meat due to the position of this tray. However it does not have to change of place so that it can make its function.

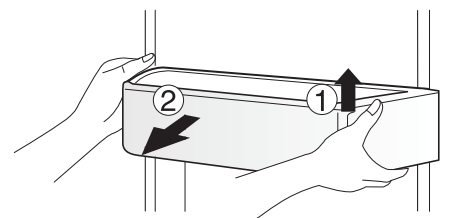
- To remove the snack pan cover, pull the snack pan out a bit ①. Lift the front part of the snack pan cover and pull out ②.



DOOR RACK AND SUPPORT

Your refrigerator and freezer features racks which can easily be arranged for packaged products.

- Lift the door rack holding both sides ① and pull it out in ② direction.



USING YOUR REFRIGERATOR

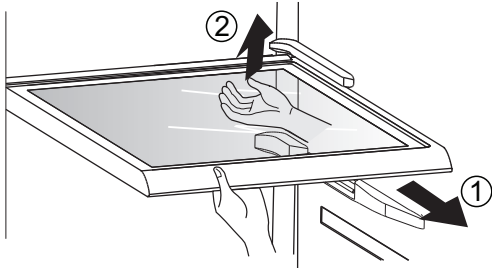
REFRIGERATOR SHELVES

⚠ CAUTION

Make sure to keep shelf horizontal while removing; otherwise it may drop.

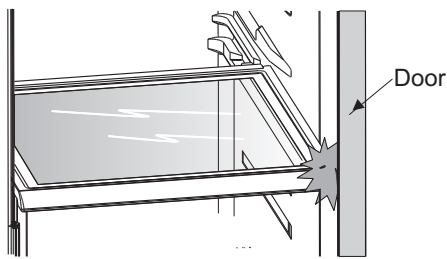
The refrigerator compartment shelf is adjustable so that you can place it at a height according to space requirement of foods.

- Pull the shelf ahead ①, then lift both front and rear ②.

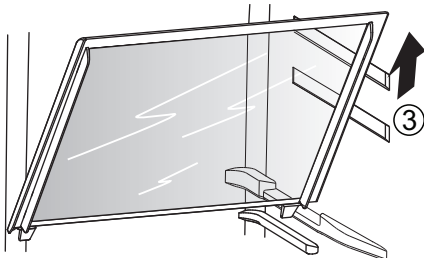


⚠ CAUTION

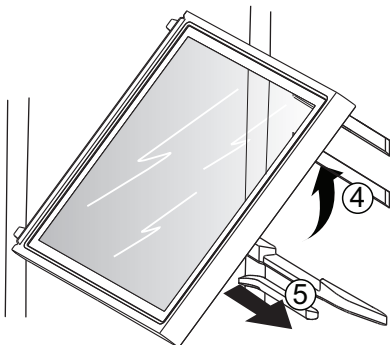
Be careful when pulling out the shelves if you apply too much force, it may hit the refrigerator door and damage it or you could hurt yourself.



- Lift up the shelf on the part of the front in its totally ③.



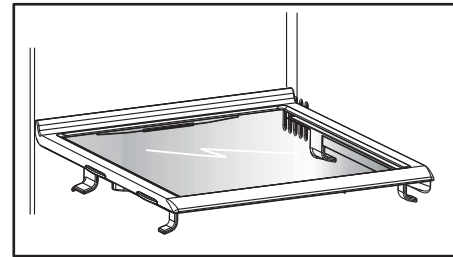
- Finally, tilt the shelf ④ while taking out ⑤ in the same time to remove.



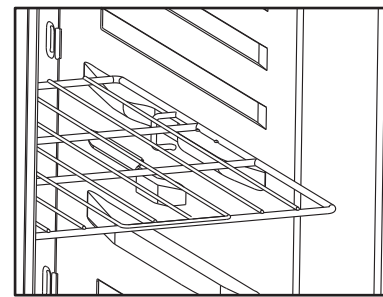
FREEZER SHELF

(Identify your Shelf freezer type)

To assemble or disassemble the freezer shelf (Wire or Glass), follow the next steps:



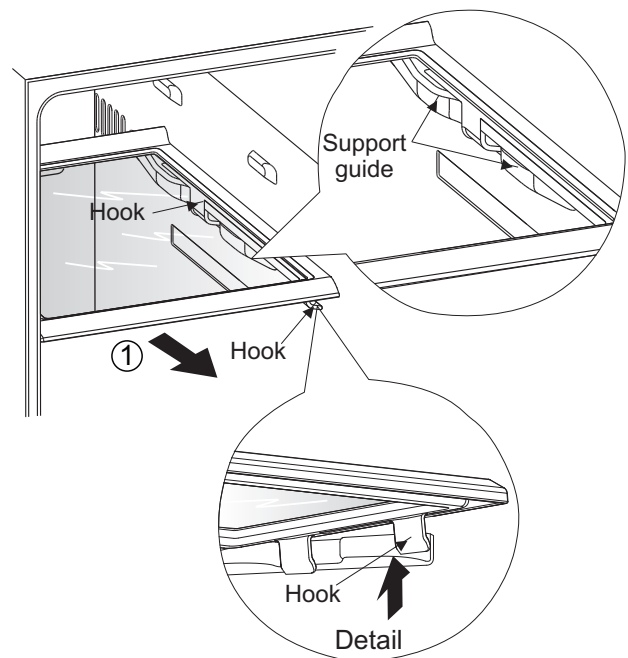
Shelf Freezer glass



Shelf Freezer wire

► Shelf Freezer glass

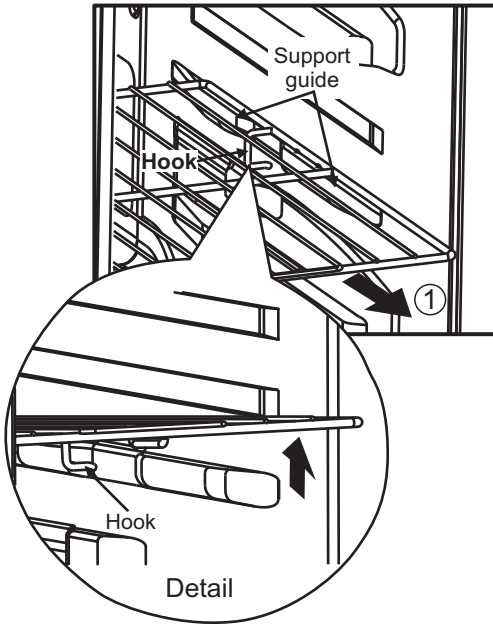
- Pull the shelf towards you ①. You will feel the shelf stop, that means that the second hook of the shelf is in part guide that's support the shelf (view detail).



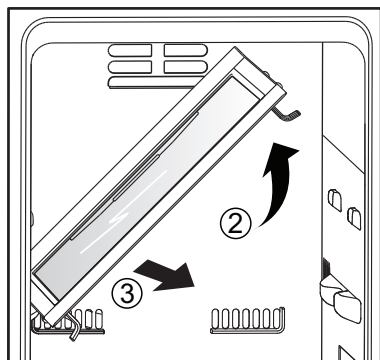
USING YOUR REFRIGERATOR

► Shelf Freezer wire

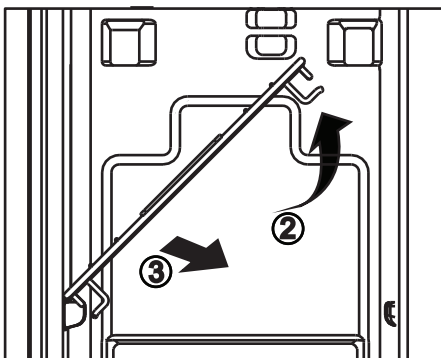
- Pull the shelf towards the front ①. The shelf hook will contact the support on the guide. Lift the shelf so the hook clears the guide support (view detail).



- Tilt the shelf (as shown in figure) ②, and then pull it toward you ③.



Shelf Freezer glass



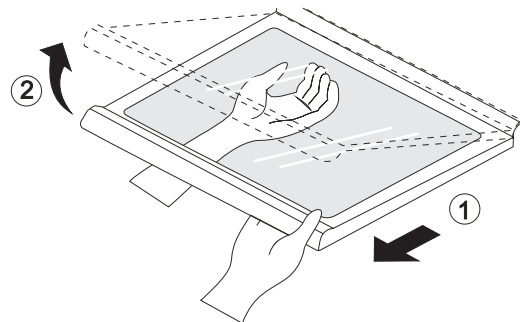
Shelf Freezer wire

WATER FILTER

- **Filter Reset:** When the Filter reset icon turns on, you have to change the water filter. Press the Filter Reset button (See the Control Panel Features for reference) for 3 seconds to turn the icon off.

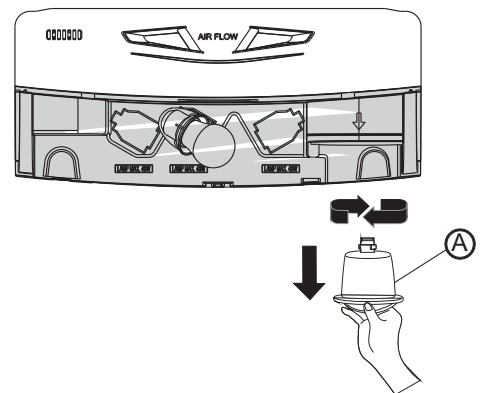
Before removing or installing water filter:

1. **IMPORTANT:** Turn off household water supply.
2. Take out the top shelf and move it to the lowest level.



Removing the water filter

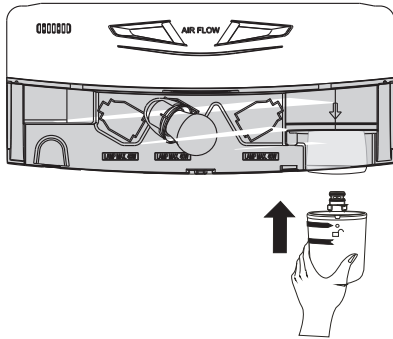
For first-time installation, remove filter substitute cap (A) by turning it counterclockwise and pulling it down. **The substitute cap must be retained for the future. If the filter is removed and not replaced, it is necessary to reinstall the substitute cap to prevent water leaks from the filter housing.**



USING YOUR REFRIGERATOR

Installing the water filter

Remove red cap from the filter and insert the two tabs on the filter tip into the two slots in the refrigerator filter receptacle. You should feel the filter entering completely. Turn the filter clockwise to lock it into place. The Lock symbol will be lined up with the indicator arrow.



After installing water filter:

1. Replace the shelf to the initial position.
2. After installing filter, turn on household water supply.
3. Dispense 2.5 gallons (9.46 L) of water to purge the system, depressing and releasing the dispenser button in cycles of 30 seconds ON and 60 seconds OFF. Open the refrigerator door and check the shelf area for leaks.

To purchase or replace water filters (some models does not include this piece in the refrigerator), call your Service center. Refer to the Warranty Card to obtain the telephone number of the Service center near you and ask for part no. ADQ72910901.

CARE AND CLEANING

⚠ WARNING



Explosion Hazard

Use non-flammable cleaner.

Failure to do so can result in death, explosion, or fire.

Both the refrigerator and freezer sections defrost automatically. However, clean both sections about once a month to prevent odors. Wipe up spills immediately.

GENERAL CLEANING TIPS

- Unplug refrigerator or disconnect power.
- Remove all removable parts, such as shelves, crispers, etc. Refer to sections in Using Your Refrigerator for removal instructions.
- 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.
- Plug in refrigerator or reconnect power.

OUTSIDE

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.

Do not use wax stainless steel exteriors. Use a product specially designed for polishing stainless steel appliances, or clean with a soft cloth or clean sponge and a mild detergent dissolved in warm water. Dry thoroughly with a soft cloth.

NOTE: Avoid door surface contact with chemical products that contain Phosphate or Chlorine.

INSIDE WALLS (allow freezer to warm up so cloth won't 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 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

Do not use cleaning waxes, concentrated detergent, bleaches, or cleaners containing petroleum on plastic refrigerator parts.

Use a clean sponge or soft cloth and a mild detergent in warm water. Wash, rinse and dry all surfaces thoroughly.

PLASTIC PARTS (covers and panels)

Do not use windows sprays, abrasive cleaners, or flammable fluids. These can scratch or damage the material. Use a clean sponge or soft cloth and a mild detergent in warm water. Wash, rinse and dry all surfaces thoroughly.

BACK COVER

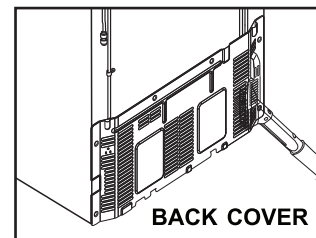
⚠ WARNING

ELECTRICAL SHOCK HAZARD

Before you begin, either unplug the refrigerator or turn off power at the circuit breaker or fuse box. Failure to do so could result in death or serious injury.

NOTE: Back cover should only be removed by a qualified technician.

Clean the vents on the back cover. Use a vacuum cleaner with the brush attachment, at least twice a year to keep your refrigerator working efficiently.



LAMP REPLACEMENT

⚠ WARNING

Electrical Shock Hazard

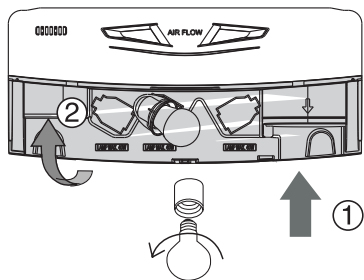
Before replacing a burned-out light bulb, either unplug the refrigerator or turn off power at the circuit breaker or fuse box.

NOTE: Not all appliance bulbs will fit your refrigerator. Be sure to replace the bulb with one of the same size, shape and wattage.

CARE AND CLEANING

To change the refrigerator and freezer lamp:

Remove cover by pressing upward on bottom ① and rotating outward ② turn the bulb counterclockwise. Replace with 40 watt (maximum) appliance bulb.



POWER INTERRUPTIONS

1. If the power will be out for 24 hours or less, keep all refrigerator doors closed to help foods stay cold and frozen.
2. If the power will be out for more than 24 hours:
 - a) Remove all frozen food and store it in a frozen food locker.

OR

 - b) Place 2 lbs. (1 kg) of dry ice in the freezer for every cubic foot (28 L) of freezer space. This will keep the food frozen for two to four days. While handling dry ice, wear gloves to protect your hands from frostbite.

⚠ WARNING

Suffocation Hazard

When using dry ice, provide adequate ventilation. Dry ice is frozen carbon dioxide (CO_2). When it vaporizes, it can displace oxygen, causing dizziness, light-headedness, unconsciousness and death by suffocation. Open a window and do not breathe the vapors.

OR

- c) If neither a food locker nor dry ice is available, consume or dispose of food at once.

REMEMBER: In a power failure, a full freezer stays cold longer than a partially filled one. If you see that food contains ice crystals, it may be affected. If the condition of the food is poor, or if you feel it is unsafe, dispose of it.

⚠ WARNING

DO NOT refreeze frozen foods which have thawed completely.

The United States Department of Agriculture in Home and Garden Bulletin No. 69 says:

...You may safely refreeze frozen foods that have thawed if they still contain ice crystals or if they are still cold-below 40 °F (4 °C).

...Thawed ground meats, poultry or fish that have any off-odor or off-color should not be frozen and should not be eaten.

Thawed ice cream should be discarded. If the odor or color of any food is poor or questionable, dispose of it. The food may be dangerous to eat.

Even partial thawing and refreezing reduces the eating quality of foods, particularly fruits, vegetables and prepared foods.

The eating quality of red meats is affected less than that of many other foods. Use refrozen foods as soon as possible to save as much of their quality as you can.

WHEN YOU GO ON VACATION

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

1. Use up any perishables and freeze other items.
2. Empty the ice bin.
3. Turn **OFF** the Icemaker. **NOTE:** If the ambient temperature will drop below freezing, have a qualified service technician drain the water supply system (on some models) to prevent serious property damage due to possible flooding from ruptured water lines or connections.

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

1. Remove all food from the refrigerator and empty ice bin.
2. Unplug refrigerator.
3. Clean refrigerator, wipe, and dry well.
4. Tape rubber or wood blocks to the tops of both doors to prop them open far enough for air to get in. This stops odor and mold from building up.

WHEN YOU MOVE

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

1. Remove all food from the refrigerator and pack all frozen food in dry ice.
2. Unplug refrigerator.
3. Clean refrigerator, wipe, and dry well.
4. Empty water from the defrost pan.
5. Clean, wipe and dry thoroughly.
6. Take out all removable parts, wrap them well and tape together so they don't shift and rattle during the move. Refer to sections in Using your Refrigerator for removal instructions.

CARE AND CLEANING

7. Depending on the model, raise the front of the refrigerator so it rolls more easily OR screw in the leveling legs all the way so they don't scrape the floor. See the **DOOR ALIGNMENT** section.
8. Tape the doors shut and tape the power cord to the refrigerator cabinet.

When you get to your new home, put everything back and refer to the **REFRIGERATION INSTALLATION** section for setup instructions.

WHEN YOU SHOULD SET THE ICEMAKER POWER SWITCH TO (OFF)

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

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** 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** position.

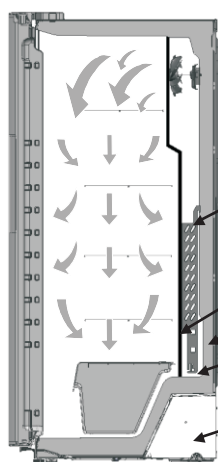
NOTE: Keep the power switch in the **ON** position before the water line is connected can damage the icemaker.

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

TROUBLESHOOTING GUIDE

UNDERSTANDING SOUNDS YOU MAY HEAR

Your new refrigerator may make sounds that your old one did not make. Because the sounds are new to you, you might be concerned about them. Most of the new sounds are normal. Hard surfaces, like the floor, walls and cabinets, can make the sounds seem louder than they actually are. The following list describes the kinds of sounds and what may be making them.



- The defrost timer will click when the automatic defrost cycle begins and ends. The thermostat control (or refrigerator control, depending on the model) will also click when cycling on and off.
- Rattling noises may come from the flow of refrigerant, the water line, or items stored on top of the refrigerator
- 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, and you may hear a pulsating or high-pitched sound.
- You may hear the evaporator fan motor circulating the air through the refrigerator and freezer compartments.
- As each cycle ends, you may hear a gurgling sound due to the refrigerant flowing in your refrigerator.
- Contraction and expansion of the inside walls may cause a popping noise.
- Water dripping on the defrost heater during a defrost cycle may cause a sizzling sound.
- You may hear air being forced over the condenser by the condenser fan.
- You may hear water running into the drain pan during the defrost cycle.

REFRIGERATOR DOES NOT OPERATE

Check if...

Then...

The power supply cord is unplugged.	Firmly plug the cord into a live outlet with proper voltage.
A household fuse has blown or circuit breaker tripped.	Replace the fuse or reset the circuit breaker.
The refrigerator control is set to the OFF position.	Refer to the CONTROL PANEL FEATURES .
Refrigerator is in the defrost cycle.	Wait about 30 minutes for defrost cycle to end.

VIBRATION OR RATTLING NOISE

Check if...

Then...

The refrigerator is not resting solidly on the floor.	Floor is weak or uneven or leveling legs need adjusting. See DOOR ALIGNMENT Section.
---	---

LAMPS DO NOT WORK

Check if...

Then...

The power supply cord is unplugged.	Firmly plug the cord into a live outlet with proper voltage.
Light bulb is loose in the socket.	Unplug the refrigerator. Gently remove the bulb and reinsert. Then plug in refrigerator and reset the refrigerator control.
Light bulb has burned out.	Replace with an appliance bulb of the same wattage, size and shape available at your local hardware store. (See the LAMP REPLACEMENT section.) Turn the temperature control to the OFF position and unplug the refrigerator prior to replacement.

TROUBLESHOOTING GUIDE

COMPRESSOR MOTOR SEEMS TO RUN TOO MUCH

Check if...

Then...

The refrigerator that was replaced was an older model.	Modern refrigerators with more storage space require more operating time.
The room temperature is hotter than normal.	The motor will run longer under warm conditions. At normal room temperatures, expect your motor to run about 40% to 80% of the time. Under warmer conditions, expect it to run even more often.
The door is opened often or a large amount of food has just been added.	Adding food and opening the door warms the refrigerator. It is normal for the refrigerator to run longer in order to cool the refrigerator back down. Adding a large amount of food warms the refrigerator. See the FOOD STORAGE GUIDE Section. 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.
The refrigerator was recently plugged in and the refrigerator control was set correctly	The refrigerator will take up to 24 hours to cool completely.
The refrigerator control was not set correctly for the surrounding conditions.	See the ADJUSTING CONTROL SETTINGS Section.
The doors are not closed completely.	Push the doors firmly shut. If they will not shut all the way, see Doors will not close completely below.
The condenser coils are dirty.	This prevents air transfer and makes the motor work harder. Clean the condenser coils. Refer to the CARE AND CLEANING section.

DOORS WILL NOT CLOSE COMPLETELY

Check if...

Then...

The refrigerator is not level.	See the REFRIGERATOR INSTALLATION AND DOOR ALIGNMENT section to level refrigerator.
Food packages are blocking the door open.	Rearrange food containers to clear door and door shelves.
The 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.
The gaskets are sticking.	Clean gaskets and the surface that they touch. Rub a thin coat of paraffin wax on the gaskets after cleaning.
The refrigerator wobbles or seems unstable.	Level the refrigerator. Refer to the DOOR ALIGNMENT section.
The doors were removed during product installation and not properly replaced.	Remove and replace the doors according to the REMOVING AND REPLACING REFRIGERATOR DOORS section, or call qualified service technician.

TROUBLESHOOTING GUIDE

THE DOORS ARE DIFFICULT TO OPEN

Check if...	Then...
The gaskets are dirty or sticky.	Clean gaskets and the surfaces that they touch. Rub a thin coat of appliance polish or kitchen wax on the gaskets after cleaning.
The door is reopened within a short time after having been opened.	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 5 minutes to allow the air pressure to equalize, then see if it opens more easily.

TEMPERATURE IS TOO WARM OR THERE IS INTERIOR MOISTURE BUILDUP

Check if...	Then...
The doors are opened often.	When the door is opened, warm humid air is allowed into the refrigerator. The more the door is opened, the faster the humidity builds up, and the more warm air the refrigerator must cool. In order to keep the refrigerator cool, 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.
The control is not set correctly for the surrounding conditions.	Refer to the CONTROL PANEL FEATURES section. Wait 24 hours for temperatures to stabilize or even out. If the temperature is too cold or too warm, move the dial one number at a time.
A large amount of food has just been added to the refrigerator or freezer.	Adding food warms the refrigerator. It can take a few hours for the refrigerator to return to normal temperature.
The food is not packaged correctly.	Wrap food tightly and wipe off damp containers prior to storing in the refrigerator to avoid moisture accumulation. If necessary, repack food according to the guidelines in the FOOD STORAGE GUIDE section.
The doors are not closing completely.	See “Doors will not close completely” .
The weather is humid.	In humid weather, air carries moisture into refrigerator when doors are opened.
A self-defrost cycle was completed.	It is normal for droplets to form on the back wall after the refrigerator self-defrosts.
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. Refer to ENSURING PROPER AIR CIRCULATION section for the location of air vents.

CUBES PRODUCED BY ICEMAKER ARE TOO SMALL

Check if...	Then...
Water shutoff valve connecting refrigerator to water line may be clogged.	Call a plumber to clear the valve.

TROUBLESHOOTING GUIDE

ICE HAS BAD TASTE OR ODOR

Check if...

Then...

The icemaker was recently installed.	Discard first few batches of ice to avoid discolored or off-flavored ice.
The ice has been stored for too long.	Throw away old ice and make new supply.
The food has not been wrapped tightly in either compartment.	Rewrap foods since odors may migrate to the ice if food is not wrapped properly.
The water supply contains minerals such as sulfur.	A new filter may need to be installed to eliminate taste and odor problems.
The interior of refrigerator needs cleaning.	See CARE AND CLEANING section.
Ice storage bin needs cleaning.	Empty and wash bin. Discard old cubes.

THERE IS WATER IN THE DEFROST DRAIN PAN

Check if...

Then...

The refrigerator is defrosting.	The water will evaporate. It is normal for water to drip into the defrost pan.
It is more humid than normal.	Expect that the water in the defrost pan will take longer to evaporate. This is normal when it is hot or humid.

THE REFRIGERATOR SEEMS TO MAKE TOO MUCH NOISE

Check if...

Then...

The sounds may be normal for your refrigerator.	Refer to the UNDERSTANDING SOUNDS YOU MAY HEAR section.
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FROST OR ICE CRYSTALS ON FROZEN FOOD

Check if...

Then...

The door is not closing properly.	See “ Doors will not close completely ” above.
The door is opened often.	When the door is opened, warm, humid air is allowed in the freezer resulting in frost.

THE ICEMAKER IS NOT PRODUCING ICE OR ICE CUBES ARE FREEZING TOO SLOWLY

Check if...

Then...

The freezer temperature is cold enough to produce ice.	Wait 24 hours after hook-up for ice production. See the CONTROL PANEL FEATURES section.
Door left open.	Check to see if something is holding the door open.

TROUBLESHOOTING GUIDE

NOT DISPENSING ICE

Check if...

Then...

All the doors are not closed completely.	Ice will not dispense if any of the refrigerator doors are left open.
The dispenser display is locked.	Press and hold the Door Alarm button for 3 seconds to unlock the control panel and dispenser.
Ice is not selected on the dispenser.	The dispenser can be set for ice or water. Make certain that the control panel is set for the proper operation. Press the dispenser button on the control panel to cycle through the ice and water options.
The ice dispenser is not used often.	Check the ice bin for ice cubes clumping/sticking together. If they are, break up the ice cubes allow for proper operation.
Ice bin is not installed correctly.	Be sure to install the ice bin firmly into position.
New installation.	Wait 24 hours after ice maker installation for ice production to begin. Wait 72 hours for full ice production.
Ice cubes are stuck in the delivery chute.	Use a plastic utensil to clear the delivery chute.
The ice dispenser is stalling while dispensing "crushed" ice.	Change the ice button from "crushed" to "cubed". If cubed ice dispenses correctly, depress the button for "crushed" ice and begin dispensing again.
Icemaker power switch in the OFF (O) position.	Move the switch to the ON (I) position.
Water supply turned off or not connected.	See the CONNECTING THE WATER LINE section.

NOT DISPENSING WATER

Check if...

Then...

The dispenser display is locked.	Press and hold the Door Alarm button for 3 seconds to unlock the control panel and dispenser.
New installation.	Flush and fill the water system.
Refrigerator or freezer doors are not closed properly.	Water will not dispense if any of the refrigerator doors are left open.
Water supply turned off or not connected.	See the CONNECTING THE WATER LINE section.
The water pressure is less than 40 psi.	The water pressure to the home affects the flow from the dispenser.
Home filter or reverse osmosis system is used.	This can decrease water pressure. It is recommended not to connect the supply line to a reverse osmosis system for optimal operation.
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 dispenser button on the control panel to cycle through the ice and water options.



1-800-243-0000 USA, Consumer User
1-888-865-3026 USA, Commercial User
1-888-542-2623 CANADA

LG Customer Information Center