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▪ This product is exclusive use at 220V/50Hz.

▪ You should purchase transformer of more than 2.0KVA when you want to use it at the 110V area.

Entry

The model and serial numbers are found on the inner case or back of refrigerator compartment of this unit. These numbers are unique to this unit and not available to others. You should record requested information here and retain this guide as a permanent record of your purchase. Staple your receipt here.

Date of purchase : _____
 Dealer purchased from : _____
 Dealer address : _____
 Dealer phone no. : _____
 Model no. : _____
 Serial no. : _____

Basic safety precautions

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 DANGER, WARNING, or CAUTION. These words mean:



DANGER

You will be killed or seriously injured if you don't follow instructions.



WARNING

You can be killed or seriously injured if you don't 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 chance of injury, and tell you what can happen if the instructions are not followed.

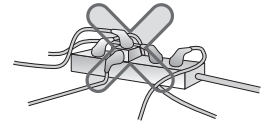
WARNING

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.

1. When connecting the power

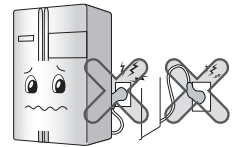
The dedicated outlet should be used.

- Using several devices at one outlet may cause fire.
- The electric leakage breaker may damage food and the dispenser may be leaked.



Do not allow the power plug to face upward or to be squeezed at the back of the refrigerator.

Water may be flown into or the plug may be damaged, which causes fire or electric shock.



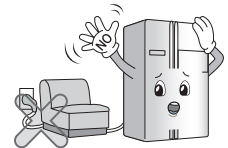
Prevent the power cord from being squeezed or imprinted if the refrigerator is pushed in after the power plug is extracted during the installation.

When moving your appliance away from the wall, be careful not to roll over the power cord or to damage it in any way.

It becomes the cause of fire or electric shock.

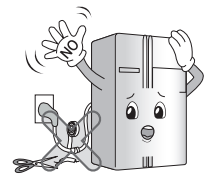
Do not allow the power cord bent or pressed by the heavy object to be damaged.

It may damage the power cord to cause fire or electric shock.



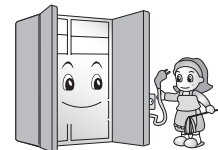
Do not extend or modify the length of the power plug.

It causes electric shock or fire by the electric damage of the power cord or others.



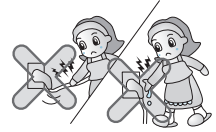
Unplug the power plug when cleaning, handling or replacing the interior lamp of the refrigerator.

- It may cause electric shock or injury.
- When replacing the interior lamp of the refrigerator, make sure that the rubber ring for preventing the electric spark within the socket is not taken off.



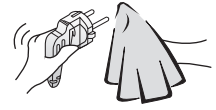
Do not pull out the cord or touch the power plug with wet hands.

It may cause electric shock or injury.



Remove water or dust from the power plug and insert it with the ends of the pins securely connected.

Dust, water or unstable connection may fire or electric shock.



Unplug the power cord from the power outlet for cleaning or other requirements.

It may cause electric shock or injury.

Pull out the power plug not by grasping the cord but the plug of its end.

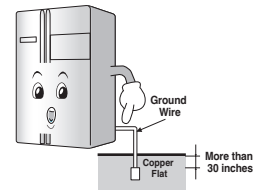
It may cause electric shock or short circuit to fire.



Make sure of grounding.

Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if you have doubts on whether the appliance is properly grounded.

The incorrect grounding may cause breakdown and electric shock.

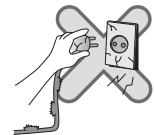


Be sure to use grounded exclusive proper voltage consent for the power plug. Be sure to use grounded extension consents when extension consents are used.

It becomes the cause of fire.

When the power cord or the power plug is damaged or the holes of the outlet are loosed, do not use them.

It may cause electric shock or short circuit to make fire.



Wait for 5 minutes or longer when reconnecting the plug.

It may cause the operation of the freezer to fail.



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

2. When using the refrigerator

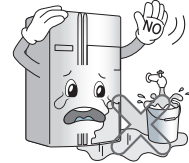
Do not place the heavy object or the dangerous object (container with liquid) on the refrigerator.

It may be dropped to cause injury, fire or electric shock when opening or closing the door.



Do not install the refrigerator in the wet place or the place which water or rain splashes.

Deterioration of insulation of electric parts may cause electric leakage.



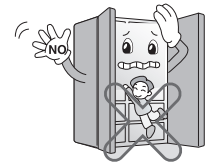
Do not cling to the door or the shelves of the door or the home bar of the freezer or the cool chamber.

It may make the refrigerator fallen down or damage the hands. Especially, do not allow the children to do the above.



Prevent children from entering the product.

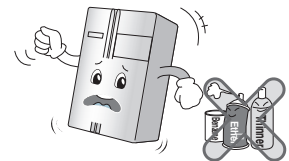
It may endanger the life of a child if the child enters the refrigerator.



Opening and closing the door of the refrigerator vigorously may cause the stored food in the refrigerator basket to fall by shock and hurt the foot, so take precautions.

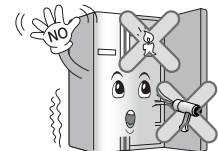
Do not use or store inflammable materials ether, benzene, alcohol, medicine, LP gas, spray or cosmetics near or in the refrigerator.

It may cause explosion or fire.



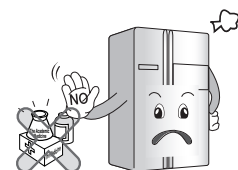
Do not use drier to dry the inside, nor light a candle to remove odor.

It may cause explosion or fire.



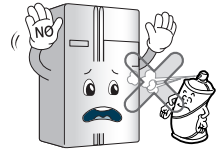
Do not store the medicine or the academic materials at the refrigerator.

When the material with the strict temperature control is stored, it may be deteriorated or it may make an unexpected reaction to cause any risk.



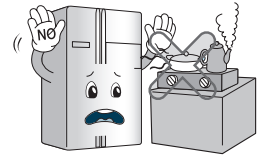
Do not use the combustible spray near the refrigerator.

It may cause fire.



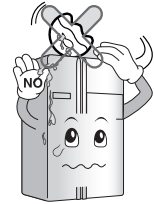
Install in places away from the fire such as the place where flammable gas is leaked.

It may cause fire.



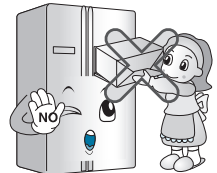
Do not place flower vase, cup, cosmetics, medicine or any container with water on the refrigerator.

It may cause fire, electric shock or injury by dropping down.



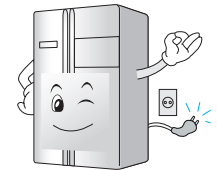
Do not put heavy things on the Home Bar. (Only for the models with the Home Bar)

Falling objects may hurt people.



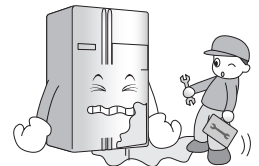
In case of thunder and lightning, or not in use for a long period of time, detach the power plug.

There is a danger of electric shock or fire.



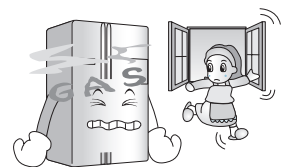
Use the submerged refrigerator after checking it.

It may cause electric shock or fire.



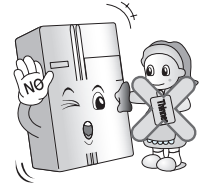
When gas is leaked, do not touch the refrigerator or the outlet and ventilate the room immediately.

- The explosion by spark may cause fire or burn.
- Because this refrigerator uses natural gas (isobutene, R600a) as the environment-friendly refrigerant, even a small amount (80~90g) is combustible. When the gas is leaked by the severe damage during delivering, installing or using the refrigerator, any spark may cause fire or burn.



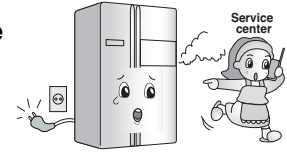
Do not spray water at the outside or the inside of the refrigerator or do not clean it with benzene or thinner.

Deterioration of insulation of electric parts may cause electric shock or fire.



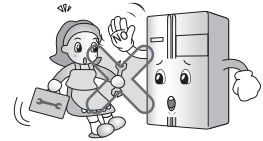
When any strange smell or smoke is detected from the refrigerator, disconnect the power plug immediately and contact to the service center.

It may cause fire.



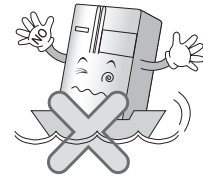
Do not allow any person except the qualified engineer to disassemble, repair or alter the refrigerator.

It may cause injury, electric shock or fire.



Do not use the refrigerator for non-domestic purpose (storing medicine or testing material, using at the ship, etc.).

It may cause an unexpected risk such as fire, electric shock, deterioration of stored material or chemical reaction.



When disposing the refrigerator, remove the packing materials from the door or take off the doors but leave the shelves in place so that children may not easily climb inside.

It may cause to lock out the child.

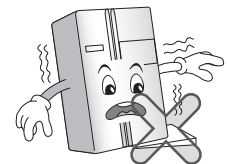


This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

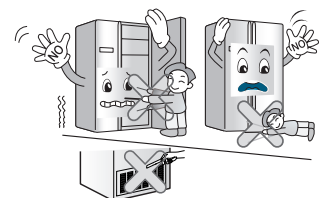
Install the refrigerator on the solid and level floor.

Installing it on the unstable place may cause death by falling down the refrigerator when opening or closing the door.



Do not insert the hands or the metal stick into the exit of cool air, the cover, the bottom of the refrigerator, the heatproof grill (exhaust hole) at the backside.

It may cause electric shock or injury.



Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

Do not damage the refrigerant circuit.

Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. When disposal, please consult with service agent or a similarly qualified person.



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

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

CAUTION

Violating this direction may cause injury or damage house or furniture. Always be careful, please.

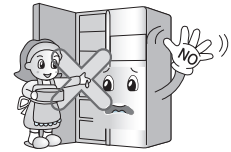
Do not insert the hands into the ice bucket or the ice dispenser.

Operating the ice maker may cause injury.

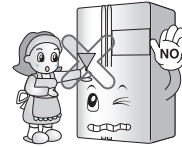


Do not touch food or containers at the freezer with wet hands.

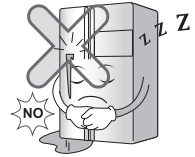
It may cause frostbite.

**Do not put ice in thin crystal cup or ceramic ware.**

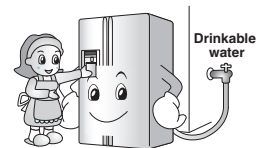
It may break cup or ceramic ware to cause injury.

**When the electricity is off, remove ice from the ice bucket (only for the model with the dispenser).**

The long-time power failure may thaw ice to damage the floor. When the long-time power failure is expected, remove ice from the ice bucket.

**Supply the automatic ice maker with drinkable water only (only for the model with the dispenser).**

Otherwise, it may cause any risk.

**Do not remove the cover of the automatic ice maker. (Only for the models with automatic ice maker)**

The operation mechanic parts of the ice maker may hurt people.

Do not place the food in disorder inside the refrigerator.

The food may fall during opening and closing the door of the refrigerator and hurt people.

Do not put bottle in the freezer.

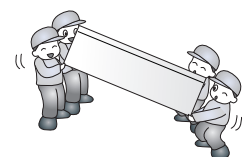
It may freeze the contents to break the bottle to cause injury.

**Do not insert the hands into the bottom of the refrigerator.**

The iron plate of the bottom may cause injury.

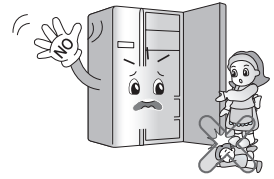
**Carry the refrigerator with the handle bar at the bottom of the front and the top of the rear.**

Otherwise, your hands may be slipped to cause injury. Because the product is heavy, carrying it alone may hurt people or accidents may occur.

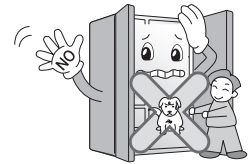


Because opening or closing the door or the home bar of the refrigerator may cause injury to the person around it, be careful, please.

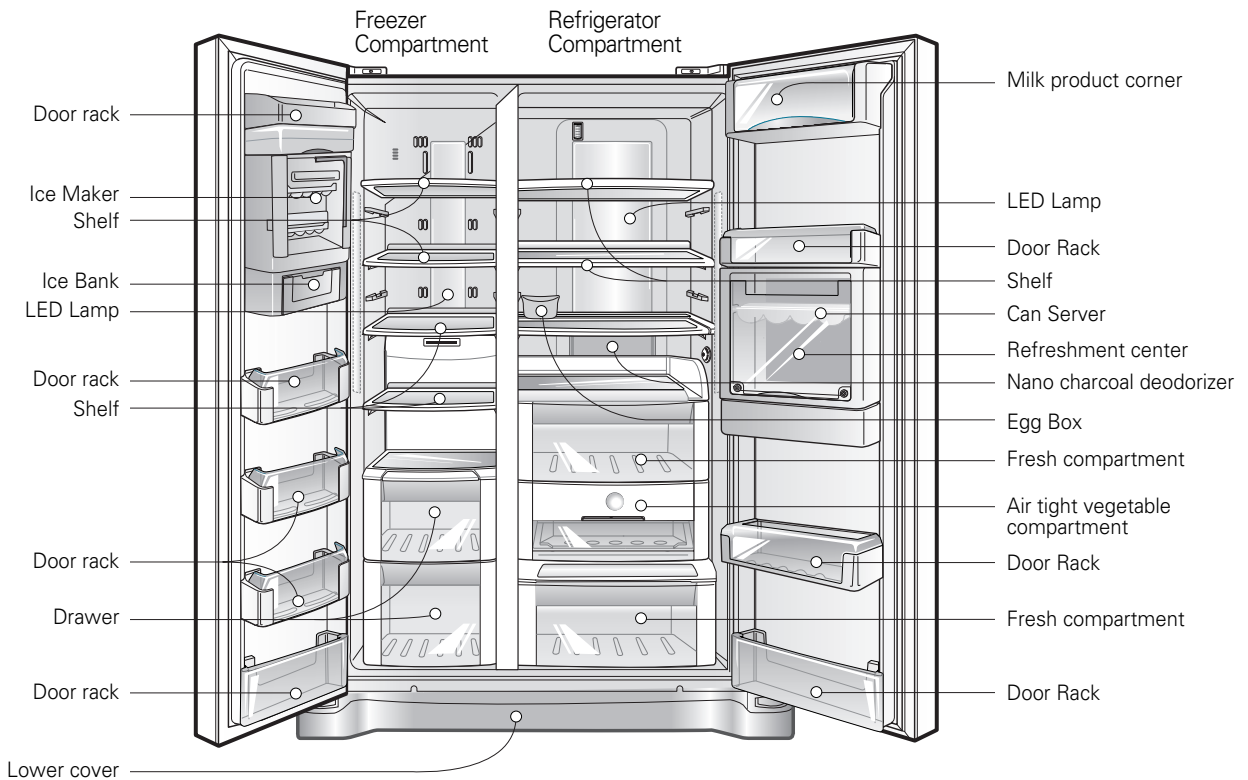
Opening or closing the door may cause feet or hands to be caught in the chink in door or the child to be get hurt by the corner.



Do not put any living animal in the refrigerator.



Identification of parts



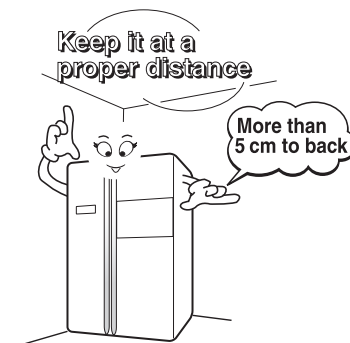
NOTE

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

Select a good location

Where to Install

1. Place your appliance where it is easy to use.
2. Avoid placing the unit near heat sources, direct sunlight or moisture.
3. To ensure proper air circulation around the fridge-freezer, please maintain sufficient space on both the sides as well as top and maintain at least 2 inches (5 cm) from the rear wall.
4. To avoid vibrations, the appliance must be leveled.
5. Don't install the appliance below 5°C. It may cause affect the performance.



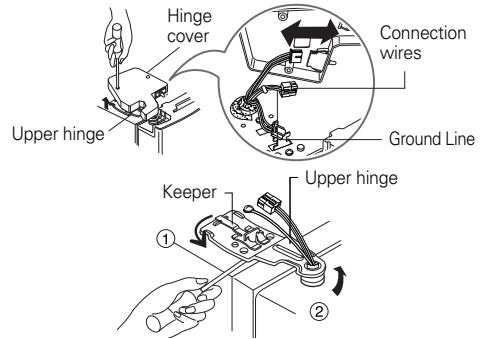
Disposal of the old appliance

This appliance contains fluid (refrigerant, lubricant) and is made of parts and materials which are reusable and/or recyclable. All the important materials should be sent to the collection center of waste material and can be reused after rework (recycling). For take back, please contact with the local agency.

Remove the freezer compartment door

Door removal

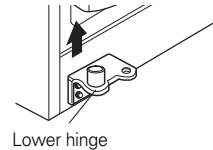
- 1) Removing the hinge cover by loosening the screws. Separate all connection wires except for the earth line after.
- 2) Remove the keeper by rotating it counter clockwise (①) and then lifting the upper hinge up (②).



NOTE

- When removing the upper hinge, be careful that the door does not fall forwards .

- 3) Remove the freezer compartment door by lifting it upward.

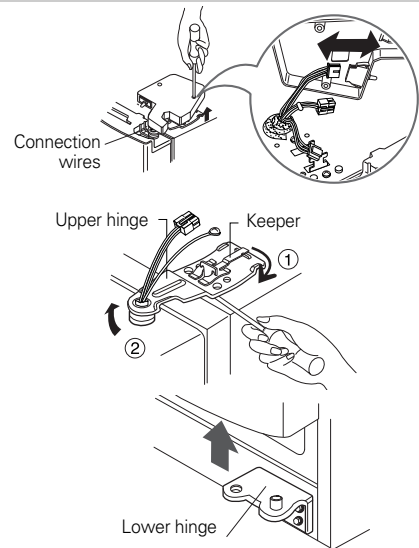


NOTE

- Move the refrigerator compartment door passing through the access door and lay it down.

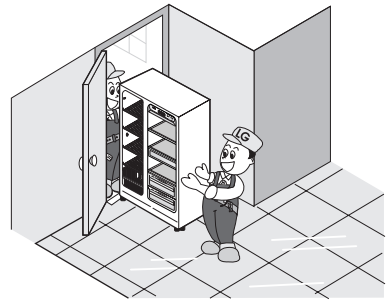
Remove the refrigerator door

- 1) Loosen the hinge cover screws and remove the cover. Remove connection wire, if any, except for the earth line.
- 2) Remove keeper by rotating it clockwise (①) and then remove the upper hinge by lifting it up (②).
- 3) Remove the refrigerator compartment door by lifting it up.



Pass the refrigerator

Pass the refrigerator laterally through the access door as shown in the right figure.

**Door replacement**

Mount them in the reverse sequence of removal after they pass through the access door.

Height adjustment

When the floor is not leveled

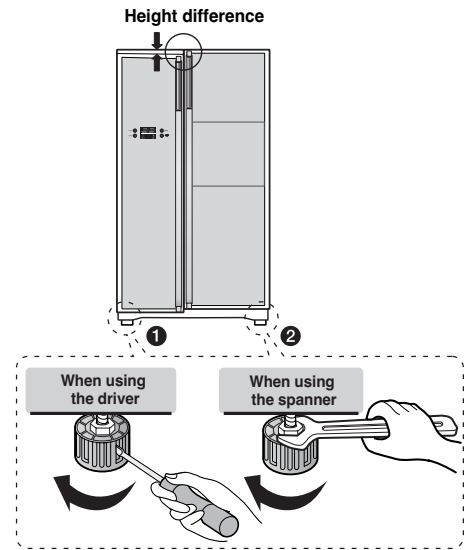
- When the height of the door may not be leveled when the floor is not leveled.

► When the freezer door is lower – ①

Use the (-) driver or spanner to turn the groove or nut of the height adjustment screw on the left to the counterclockwise direction to level the door.

► When the fridge door is lower – ②

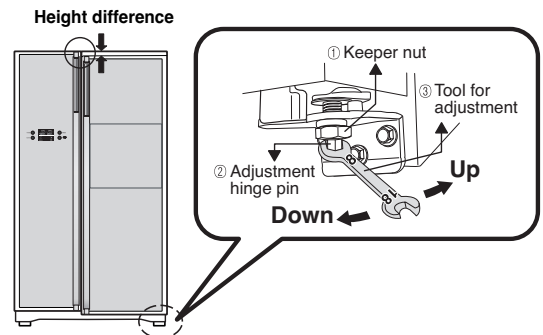
Use the (-) driver or spanner to turn the groove or nut of the height adjustment screw on the right to the clockwise direction to level the door.



When the fridge door is lower than the freezer door

► When the fridge door is lower than the freezer door while using the refrigerator, level the doors.

1. Use the ③ tool for adjustment on the wide side to turn nut ① (↻) in the clockwise direction to loosen the keeper nut.
2. Use the ③ tool for adjustment on the narrow side to turn the adjustment hinge pin ② in (↻) clockwise direction or (↻) counterclockwise direction to adjust the height of the fridge and freezer doors.



3. After aligning the height of the door, turn the keeper nut in counterclockwise direction tightly.

⚠ CAUTION

Do not force too hard to level the height. The hinge pin can be pulled out. (Adjustable range of height is a maximum of 2" (5 cm))

After leveling the door height

The refrigerator doors will close smoothly by heightening the front side by adjusting the height adjusting screw. If the doors do not close correctly, performance may be affected.

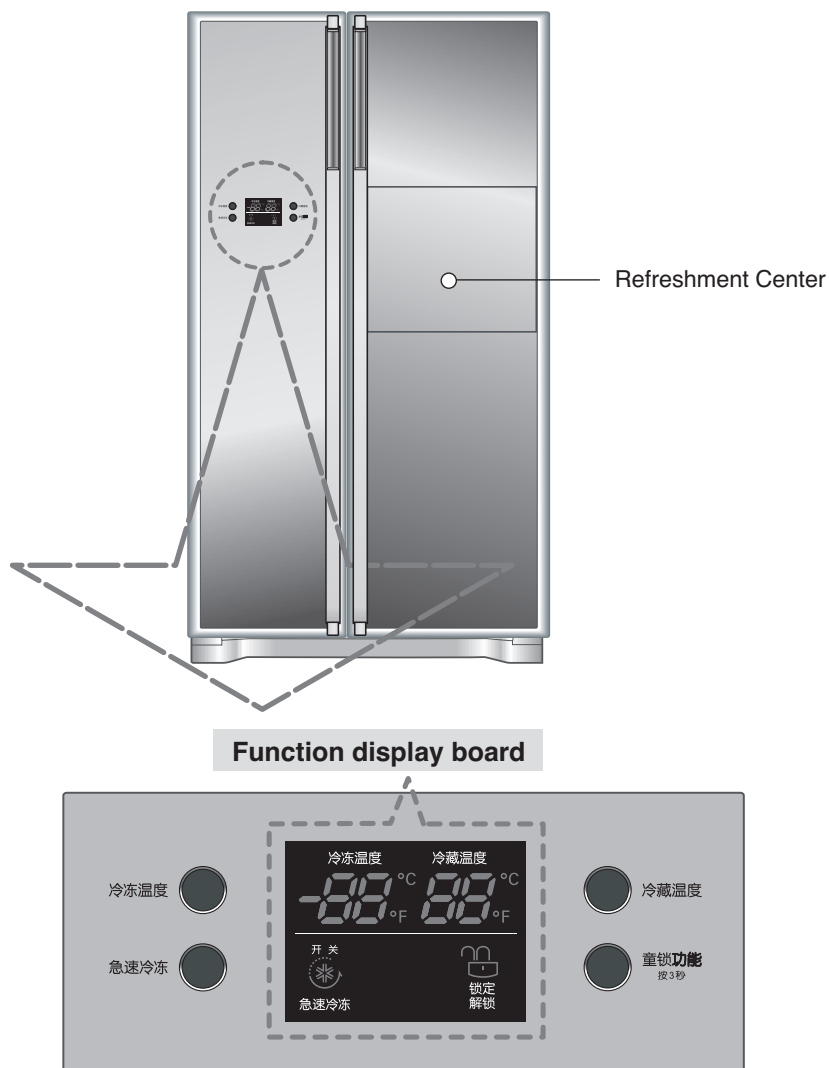
Next

1. Wipe off all dust accumulated during shipping and clean your appliance thoroughly.
2. Install accessories such as the ice cube box, cover evaporating tray, etc., in their proper places. They are packed together to prevent possible damage during shipping.
3. Connect the power supply cord (or plug) to the outlet. Don't double up with other appliances on the same outlet.

Starting

When your refrigerator is first installed, allow it to stabilize at normal operating temperatures for 2-3 hours prior to filling it with fresh or frozen foods. If operation is interrupted, wait 5 minutes before restarting.

Adjusting the temperatures and functions







NOTE

- Your model may not include every option.

Display power saving

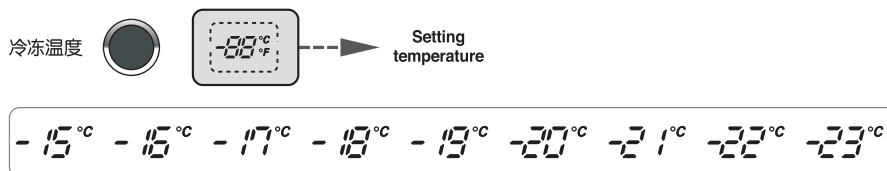
This function save the display power

Press the 冷冻温度  and 急速冷冻  buttons simultaneously and hold them for 5 seconds until the Ding sounds. All LED/LCDs will then turn ON, then OFF. When the power saving mode is activated, the display will remain off until the next time the door is opened. Then, it will come on whenever a door is opened or a button is pressed and remain on for 20 seconds after the last door opening or button selection. To deactivate the power saving mode, press the 急速冷冻  and 冷冻温度  buttons simultaneously and hold them for 5 seconds until the Ding sounds.

You can adjust temperature of and freezer room and refrigerator room.

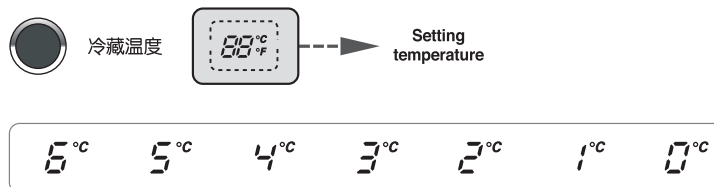
Freezer control

Freezer Compartment temperature adjustment



Refrigerator control


Refrigerator Compartment temperature adjustment



- The actual inner temperature varies depending on the food status, as the indicated setting temperature is a target temperature, not actual temperature within refrigerator.
- Refrigeration function is weak in the initial time. Please adjust temperature as above after using refrigerator for minimum 2~3 days.

Express freezer

Please select this function for prompt freezer.

- OFF→ ON→ OFF is repeated whenever pressing  button.
- The arrow mark graphic remains at the On status after flickering 4 times when selecting Special Refrigeration On.
- Prompt freezer function automatically turns off after a fixed time passes.





Lock

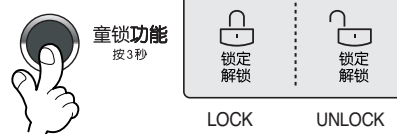
This button stops operation of different button.▪ **LOCK**

Press the  button more than 3 seconds.

▪ **UNLOCK**

Press the  button more than 3 seconds.

- * If you use the  button, none of the other buttons will work until you unlock them.



The other functions

Door open warning

- 3 times of warning sounds at the interval of 30 seconds if a minute passes with the door of refrigerator and the hombar door opened or completely closed.
- Please contact with the local service center if warning continue to sound even after closing the door.

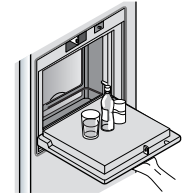
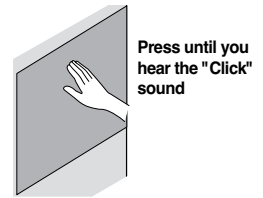
Diagnosis (failure detection) function

- Diagnosis function automatically detects failure when failure is found in product during the use of refrigerator.
- If failure occurs at product, it does not operate though pressing any button and normal indication is not done. In this case, do not turn power off but immediately contact with the local service center. A lot of time are need for service engineer to detect the failed part if turning it off.

Refreshment center

How to use the Home Bar

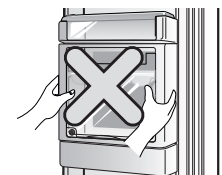
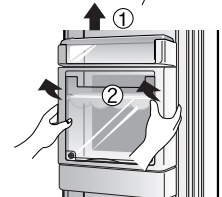
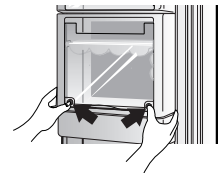
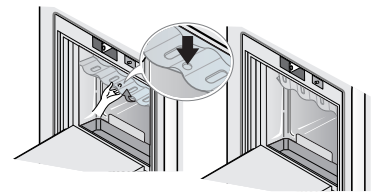
1. Press the top central part of the Home Bar until you hear the "Click" sound.
 - You can save electricity because you do not have to open the refrigerator door.
 - Because the indoor lamps of the fridge and freezer are turned on even when you open only the Home Bar door, you can easily take out the food you want.
 - When closing the Home Bar, press until you hear the "Click" sound.
2. Open the door and use the door as the support board.
 - Put the beverage or food on the support board for convenience of use.



How to use the can server

You can use the can server on the top and side to arrange and store the cans.

1. Pull down the handle when you want to store the cans.
 2. If you do not want to use the can server, fixate the can server on the top so that you can utilize the space of Home Bar more effectively.
- * When you press both sides of the bottom part of the cover on the main unit of the fridge and freezer Home Bar, it will be fixated to prevent the food inside the Home Bar from falling into the fridge or freezer.

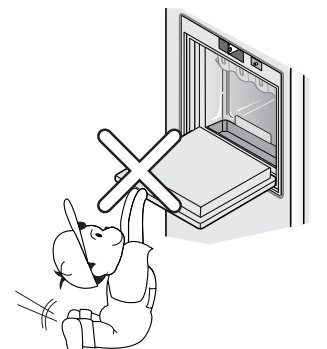


How to disassemble the fridge Home Bar cover

First separate the upper door basket of the Home Bar (1) and then pull up the Home Bar cover(2).

Precaution

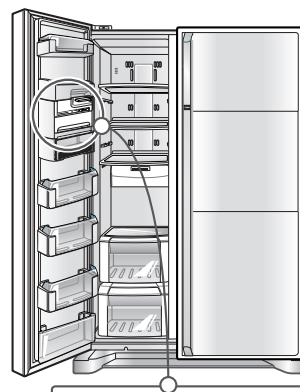
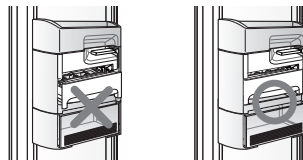
1. Do not use the refrigerator with the internal Home Bar cover taken out.
 - If the cover is taken out, the Home Bar function cannot work.
2. Be careful not to press or damage the Home Bar support board.
 - If you lean or press the support board with your arm, it can be damaged.
 - Do not use the support board as a cutting board or use sharp tools on the support board to prevent any scratches.
 - When the support board is wet with alien fluid such as juice, it may not operate properly.
 - When the packing part is wet with alien fluid such as juice, periodically wipe the part.



Door Ice Maker

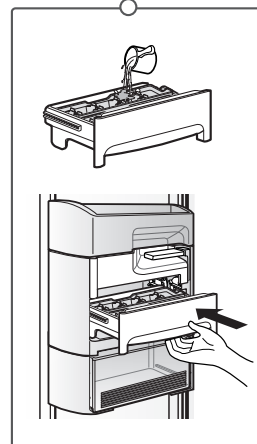
How to make the ice

- Take out the ice tray, fill it with water, and put it back into its location making sure that it does not overflow.
- Slowly push the ice tray to the end. It may be damaged.



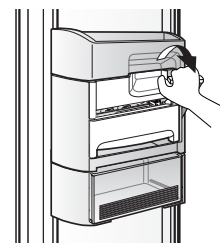
⚠ Caution

- Do not freeze any beverages (Barley tea, juice etc.) other than water as it can cause malfunction.
- After checking that there is any water remained at the ice making section, put water into it and freeze it.
- When inserting the ice tray after filling with water, make sure that it does not overflow.



How to dispense the ice

- Pull out the ice separation handle of the ice making section to the end of the mark (◀).
- If the ice does not drop well, pull the lever down completely.
- If you pull down the ice drop lever before the water is completely frozen, the water can get into the ice storage bin to cause all the ice pieces to cling to one another. (It takes about 3 hours for water at 20 degrees to freeze completely.)

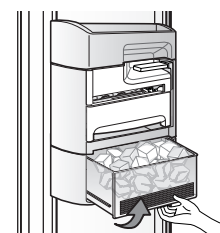


⚠ Caution

- If you open/close the freezer door (Door of door ice maker) frequently, warm air will get into the freezer to delay the freezing time.
- The freezing time can differ slightly by season.
- Within 24 hours after the initial installation, it may take longer for ice to freeze as the temperature is not stabilized yet.

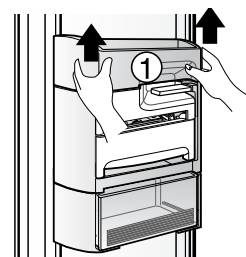
Taking out the ice

- Lift the ice storage bin slightly to take it out.
- When returning the ice storage bowl into the place, make sure that it is inserted to the end.
- Appropriate amount of ice to store in the ice storage bin is about the amount of running the ice maker 3 times. If you store more than this amount, the storage bin may not come out.

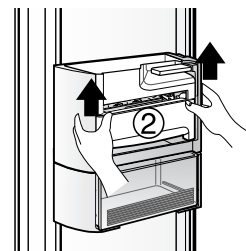


How to disassemble the door ice maker

1. Hold both ends of the door basket at the top part of the door ice maker and pull it up.



2. Hold both ends of the ice maker compartment of the door ice maker to pull it up.



Caution

- Disassemble in order. If you disassemble the ice maker compartment, it may cause damages.
- When disassemble the ice making section, grasp and pull out it making sure that the ice tray is not separated

How to disassemble the ice tray (Cleaning)

1. Remove the ice tray and clean it.
2. After cleaning, return it to its place

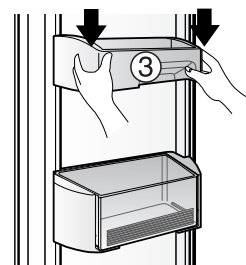


Caution

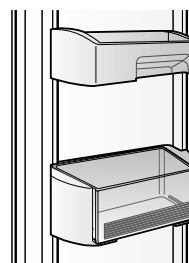
- After cleaning the ice tray, remove the moisture completely before reusing it.

When using the basket in the fridge

1. Put the upper door basket again in the disassembly way (1), (2).



* When you don't use the door icemaker, take out the ice tray and you may use the ice container as a basket.

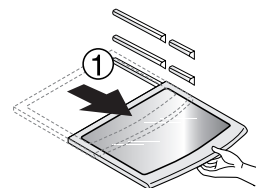


How to use**Shelf**

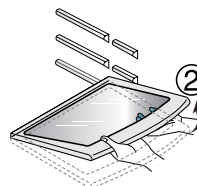
You can store side dish or refrigerated food on the shelf with sufficient space in between the containers.

**How to disassemble**

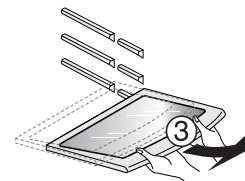
1. Hold the front part of the shelf and pull it out until it gets blocked by the hooking part.



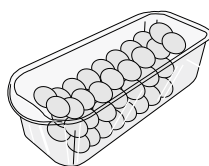
2. When you cannot pull out the shelf any more, lift it up slightly.



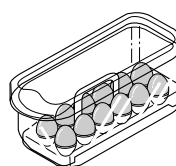
3. While holding the shelf slightly, tilt the shelf to pull it out.

**Egg box**

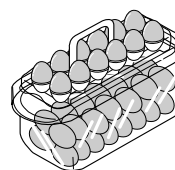
You can move the egg box to wherever you want.



[Type-1]



[Type-2]


 **Caution**
NOTE

- Never use the egg box as an ice storage bin. It can be broken.
- Never store the egg box in the freezer compartment or fresh compartment.

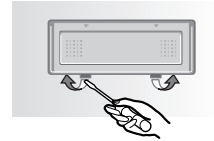
Nano charcoal deodorizer

How to use

With the Nano charcoal deodorizer system, you can deodorize the refrigerator and the deodorizer can be reused.

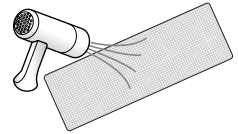
How to disassemble

Use the (-) driver on the bottom grooved part of the deodorizer cover to separate it while pushing to the front side.



► How to reuse the deodorizer

You can reuse the deodorizer continuously by drying it well with the hair dryer.



LED lamp (Freezer/Fridge)

How to use

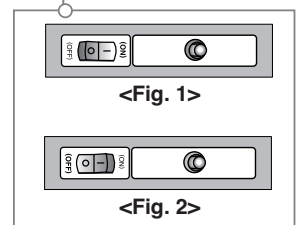
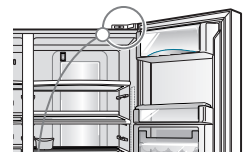
1. LED operation within the fridge

- The indoor LED lamp inside the refrigerator will be turned on when you open the freezer/fridge door.
- * The LED lamp will be turned on when you open the freezer/fridge or Home Bar door.
- * The LED lamp can be used semi-permanently.

2. LED operation on the refrigerator door

(Applicable to model with external LED lamp)

- The ON/OFF switch of the door LED lamp is located on the top part of the refrigerator and you can see the switch when you open the refrigerator door.
- When the door LED lamp is turned ON (Fig. 1), the LED on the front door will stay on.
(There is no issue with the life span of the LED lamp even when it is kept on continuously.)
- When the door LED lamp is turned OFF (Fig. 2), the LED will be turned on only when the door is opened (Including H/Bar door), and will automatically be turned off 1 minute after the door is closed.
- * If the part where door LED lamp is installed is impacted, it may cause a problem to the door LED lamp.
- * The door LED will be completely turned on 8 seconds after the power is initially supplied, and will immediately be turned off when the power supply is disconnected during this time.



When LED lamp doesn't light up

Is LED lamp turned on?

- LED lamp is quasi-perpetual product.
- Also, as it is difficult for customer to exchange directly, please contact to LG Electronics service center unless the lamp light up.

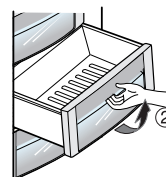
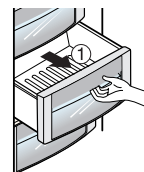
Fresh compartment

How to use

You can store fruits or vegetables.

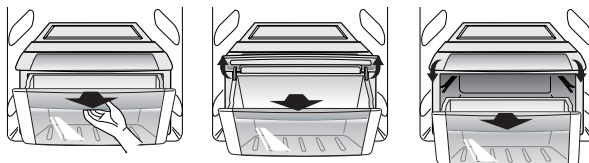
How to disassemble the upper fresh compartment

1. Hold the front handle of the fresh compartment and pull it out until it gets blocked by the hooking part.
 2. When you cannot pull out the fresh compartment any more, lift it up slightly to pull it out completely to the front side (outer side).
- * The fresh compartment can be reassembled in the reverse order.



How to disassemble the lower fresh compartment

► When pulling out the lower fresh compartment



1. Hold the front handle of the fresh compartment and pull it forward.
2. When you cannot pull out the fresh compartment any more, lift it up slightly to pull it out to the front side.

► When inserting the lower fresh compartment



- * When inserting the fresh compartment, always lift the cover up to push it in.

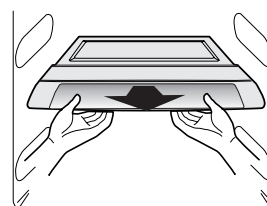
Warning

- Always disassemble the fresh compartment using two hands. You can be injured from the weight of the compartment when filled with food.
- When disassembling/reassembling the fresh compartment of the fridge, open the refrigerator door fully.

How to disassemble upper/lower fresh compartment cover

Hold the cover with both hands and pull it out.

- * When disassembling the cover, always disassemble the fresh compartment first.



Air tight vegetable compartment

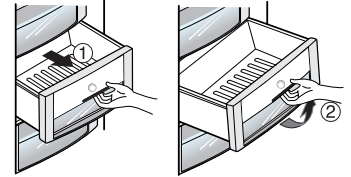
How to use

You can store vegetables or fruits freshly for a long period of time.

- In the middle air tight compartment, you can store the vegetable or fruit for a longer period of time with the improved seal and vacuum effect.

How to disassemble the air tight vegetable compartment

1. Hold the front handle of the air tight vegetable compartment and pull it out until it gets blocked by the hooking part.
2. When you cannot pull out the air tight vegetable compartment any more, lift it up slightly to pull it out completely to the front side (outer side).

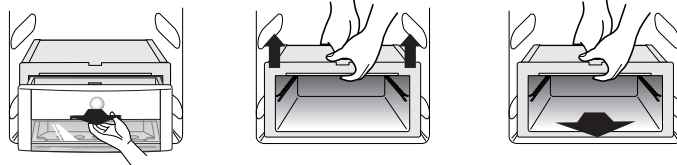


Caution

NOTE

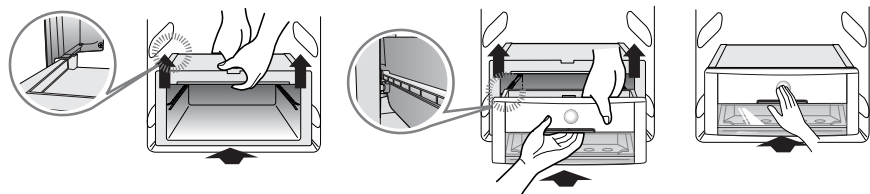
- You can disassemble/reassemble the freezer drawer in the same method.
- Always disassemble the fresh compartment using two hands. (You can be injured from the weight of the compartment when filled with food.)
- When disassembling/reassembling the fresh compartment or air tight vegetable compartment of the fridge, open the refrigerator door fully.

How to disassemble the air tight vegetable compartment



1. Pull the air tight vegetable compartment to the front and slightly lift it up to pull it out.
2. Hold the air tight vegetable compartment with both hands and slightly lift it up.
 - * To disassemble the case, you must first disassemble the upper fresh compartment.
3. Pull it out to the front.

How to reassemble the air tight vegetable compartment



1. Align the top of the case to the side rails and push while slightly holding it up.
2. Align the bottom of the case on top of the rails and push while slightly holding it up.
3. Push the case until you hear the "Click" sound.

Warning

- Always disassemble the fresh compartment using two hands. You can be injured from the weight of the compartment when filled with food.
- When disassembling/reassembling the fresh compartment of the fridge, open the refrigerator door fully.

Freezer/Fridge basket

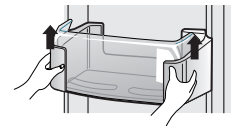
How to use

You can store small packaged frozen food (Freezer basket), small packaged refrigerated food or beverages (Fridge basket) such as milk, beer etc.

But, do not store ice cream or food to store for a long period of time (Freezer basket) etc.

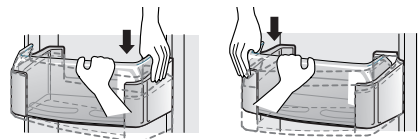
How to disassemble

Hold the basket with both hands and slightly lift up the front part to pull it out.



How to reassemble

Hold the basket with both hands and reassemble one side at a time by pushing it in.



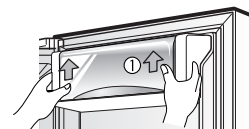
Dairy corner

How to use

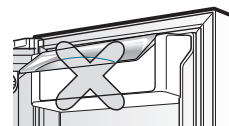
You can store dairy goods such as butter, cheese etc.

How to disassemble

Hold the basket with both hands and pull it out by pulling it up(1).



- ▶ If you close the refrigerator door with the dairy corner left open on the door side, the refrigerator door may not be closed properly. Therefore you must be careful.

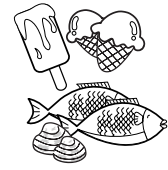


Location of foods

(Refer to identification of parts)

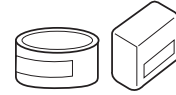
Freezer compartment shelf

Store various frozen foods such as meat, fish, ice cream, frozen snacks, etc..



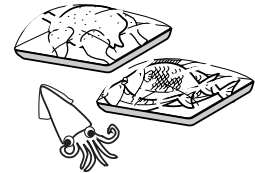
Freezer compartment door rack

- Store small packed frozen food.
- Temperature is likely to increase as door opens. So, do not store long-term food such as ice cream, etc..



Freezer compartment drawer

- Store meat, fish, chicken, etc.. after wrapping them with thin foil.
- Store dry.



Milk product corner

Store milk products such as butter, cheese, etc..



Egg box

Place this egg box in the proper location.



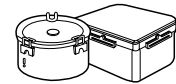
Refreshment center

Store foods of frequent use such as beverage, etc..



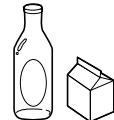
Refrigerator compartment shelf

Store side dishes or other foods at a proper distance.



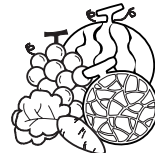
Refrigerator compartment door rack

Store small packed food or beverages such as milk, juice, beer, etc..



Vegetable drawer

Store vegetables or fruits.



Vegetable drawer /meat drawer conversion corner

Store vegetable, fruits, meat to thaw, raw fish, etc.. setting the conversion switch as necessary.



Be sure to check the conversion switch setting before storing foods.



Storing foods

- Store fresh food in the refrigerator compartment. How food is frozen and thawed is an important factor in maintaining its freshness and flavor.
- Do not store food which goes bad easily at low temperatures, such as bananas, and melons.
- Allow hot food to cool prior to storing, placing hot food in the refrigerator could spoil other food, and lead to higher energy consumption.
- When storing the food, cover it with vinyl wrap or store in a container with a lid. This prevents moisture from evaporating, and helps food to keep its taste and nutrients.
- Do not block air vents with food. Smooth circulation of chilled air keeps refrigerator temperatures even.
- Do not open the door frequently. Opening the door lets warm air enter the refrigerator, and cause temperatures to rise.
- Never keep too much food in door rack because they may push against by inner racks so that the door cannot be fully closed.

Freezer compartment

- Do not store bottles in the freezer compartment - they may break when frozen.
- Do not refreeze food that has been thawed. This causes loss of taste and nutrient.
- When storing frozen food like ice cream for a long period, place it on the freezer shelf, not in the door rack.
- Do not touch the cold foods or containers- especially made of metallic -, with wet hands and place glass products in the freezer compartment.

Caution

- That's why you may have chilblains and they may be broken when their inner matters are frozen, causing personal injury.

Refrigerator compartment

- Do not put the wet food on the top shelf of the cooling room. It may be frozen by getting the cool air directly.
- Always clean food prior to refrigeration. Vegetables and fruits should be washed and wiped, and packed food should be wiped, to prevent adjacent food from spoiling.
- When storing eggs in their storage rack or box, ensure that they are fresh, and always store them in an upright position, which keeps them fresh longer.

NOTE

- If you keep the refrigerator in a hot and humid place, frequent opening of the door or storing a lot of vegetables in it may cause dew to form which has no effect on its performance. Remove the dew with dust cloth free from care.

General information

Vacation time

During average length vacations, you will probably find it best to leave the refrigerator in operation. Place freezable items in freezer for longer life. When you plan not to operate, remove all food, disconnect the power cord, clean the interior thoroughly, and leave each door OPEN to prevent odor formation.

Power failure

Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.

If you move

Remove or securely fasten down all loose items inside the refrigerator. To avoid damaging the height adjusting screws, turn them all the way into the base.

Anti condensation pipe

The outside wall of the refrigerator cabinet may sometimes get warm, especially just after installation. Don't be alarmed. This is due to the anti-condensation pipe, which pumps hot refrigerator to prevent "sweating" on the outer cabinet wall.

CAUTION

- You must check the O-RING, which is made by rubber and prevent electric spark.
- Don't touch lamp, in case of light on the long time. Because it can be very hot.

Cleaning

It is important that your refrigerator be kept clean to prevent undesirable odors. Spilled food should be wiped up immediately, since it may acidify and stain plastic surfaces if allowed to settle.

Exterior

Use a lukewarm solution of mild soap or detergent to clean the durable finish of your refrigerator. Wipe with a clean damp cloth and then dry.

Interior

Regular cleaning is recommended. Wash all compartments a baking soda solution or a mild detergent and warm water. Rinse and dry.

After cleaning

Please verify that the power cord is not damaged, power plug is not overheated, or power plug is well inserted into the power consent.

Warning

Always remove power cord from the wall outlet prior to cleaning in the vicinity of electrical parts (lamps, switches, controls, etc.). Wipe up excess moisture with a sponge or cloth to prevent water or liquid from getting into any electrical part and causing an electric shock. Never use metallic scouring pads, brushes, coarse abrasive cleaners, strong alkaline solutions, flammable or toxic cleaning liquids on any surface. Do not touch frozen surfaces with wet or damp hands, because damp object will stick or adhere to extremely cold surfaces.

Trouble shooting

Before calling for service, review this list. It may save you both time and expense. This list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

Occurrence	Possible cause	Solution
Runing of refrigerator		
Refrigerator compressor does not run.	Refrigerator control is off.	Set refrigerator control. See setting the controls.
	Refrigerator is in defrost cycle.	This is normal for a fully automatic defrosting refrigerator. The defrost cycle occurs periodically.
	Plug at wall outlet is disconnected.	Make sure plug is tightly pushed into outlet.
	Power outage. Check house lights.	Call local electric company.
Refrigerator runs too much or too long	Refrigerator is larger than the previous one you owned.	This is normal. Larger, more efficient units run longer in these conditions.
	Room or outside weather is hot.	It is normal for the refrigerator to work longer under these conditions.
	Refrigerator has recently been disconnected for a period of time.	It takes some hours for the refrigerator to cool down completely.
	Large amounts of warm or hot food may have been stored recently.	Warm food will cause the refrigerator to run longer until the desired temperature is reached.
	Doors are opened too frequently or too long.	Warm air entering the refrigerator causes it to run longer. Open the door less often.
	Refrigerator or freezer door may be slightly open.	Make sure the refrigerator is level. Keep food and containers from blocking door. See problem section. OPENING/CLOSING of doors.
	Refrigerator control is set too cold.	Set the refrigerator control to a warmer setting until the refrigerator temperature is satisfactory.
	Refrigerator or freezer gasket is dirty, worn, cracked, or poorly fitted.	Clean or change gasket. Leaks in the door seal will cause refrigerator to run longer in order to maintain desired temperatures.
	Thermostat is keeping the refrigerator at a constant temperature.	This is normal. Refrigerator goes on and off to keep the temperature constant.

Occurrence	Possible cause	Solution
Refrigerator compressor does not run.	Thermostat is keeping the refrigerator at a constant temperature.	This is normal. The refrigerator goes on and off to keep the temperature constant.
Temperatures are too cold		
Temperature in the freezer is too cold but the refrigerator temperature is satisfactory.	Freezer control is set too cold	Set the freezer control to a warmer setting until the freezer temperature is satisfactory.
Temperature in the refrigerator is too cold and the freezer temperature is satisfactory.	Refrigerator control is set too cold.	Set the refrigerator control to a warmer setting
Food stored in drawers freezes.	Refrigerator control is set too cold.	See above solution.
Meat stored in fresh meat drawer freezes.	Meat should be stored at a temperature just below the freezing point of water (32°F, 0°C) for maximum fresh storage time.	It is normal for ice crystals to form due to the moisture content of meat.
Temperatures are too warm		
Temperatures in the refrigerator or freezer are too warm.	Freezer control is set too warm.	Set the freezer or refrigerator control to a colder setting until the freezer or refrigerator temperature is satisfactory.
	Refrigerator control is set too warm. Refrigerator control has some effect on freezer temperature.	Set the freezer or refrigerator control to a colder setting until the freezer or refrigerator temperature is satisfactory.
	Doors are opened too frequently or too long.	Warm air enters the refrigerator/ freezer whenever the door is opened. Open the door less often.
	Door is slightly open.	Close the door completely.
	Large amounts of warm or hot food may have been stored recently.	Wait until the refrigerator or freezer has a chance to reach its selected temperature.
	Refrigerator has recently been disconnected for a period of time.	A refrigerator requires some hours to cool down completely.
Temperature in the refrigerator is too warm but the freezer temperature is satisfactory.	Refrigerator control is set too warm.	Set the refrigerator control to a colder setting.

Occurrence	Possible cause	Solution
Sound and noise		
Louder sound levels when refrigerator is on.	Today's refrigerators have increased storage capacity and maintain more even temperatures.	It is normal for sound levels to be higher.
Louder sound levels when compressor comes on.	Refrigerator operates at higher pressures during the start of the ON cycle.	This is normal. The sound will level off as the refrigerator continues to run.
Vibrating or rattling noise.	Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly.	Be sure floor is level and solid and can adequately support refrigerator.
	Items placed on the top of the refrigerator are vibrating.	Remove items.
	Dishes are vibrating on the shelves in the refrigerator.	It is normal for dishes to vibrate slightly. Move dishes slightly. Make sure refrigerator is level and firmly set on floor.
	Refrigerator is touching wall or cabinets.	Move refrigerator so that it does not touch the wall or refrigerator.
Water/Moisture /Ice inside refrigerator		
Moisture collects on the inside walls of the refrigerator.	The weather is hot and humid which increases the rate of frost buildup and internal sweating.	This is normal.
	Door is slightly open.	See problem section opening/closing of doors.
	Door is opened too often or too long.	Open the door less often.
Moisture forms on the outside of the refrigerator or between doors.	Weather is humid.	This is normal in humid weather. When humidity is lower, the moisture should disappear.
	Door is slightly open, causing cold air from the inside the refrigerator to meet warm air from the outside.	This time, close the door completely.

Occurrence	Possible cause	Solution
Odors in refrigerator		
	Interior needs to be cleaned.	Clean interior with sponge,warm water and baking soda.
	Food with strong odor is in the refrigerator.	Cover food completely.
	Some containers and wrapping materials produce odors.	Use a different container or brand of wrapping materials.
Opening/Closing of doors/Drawers		
Door(s) will not close.	Food package is keeping door open.	Move packages that keep door from closing.
Door(s) will not close.	Door was closed too hard, causing other door to open slightly.	Close both doors gently.
	Refrigerator is not level. It rocks on the floor when it is moved slightly.	Adjust the height adjusting screw.
	Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly.	Be sure floor is level and can adequately support refrigerator. Contact carpenter to correct sagging or sloping floor.
	Refrigerator is touching wall or cabinets.	Move refrigerator..
Drawers are difficult to move.	Food is touching shelf on top of the drawer	Keep less food in drawer.
	Track that drawer slides on is dirty.	Clean drawer and track.
Noise(level)/dB(A)	41dB(A)	

It is Normal...

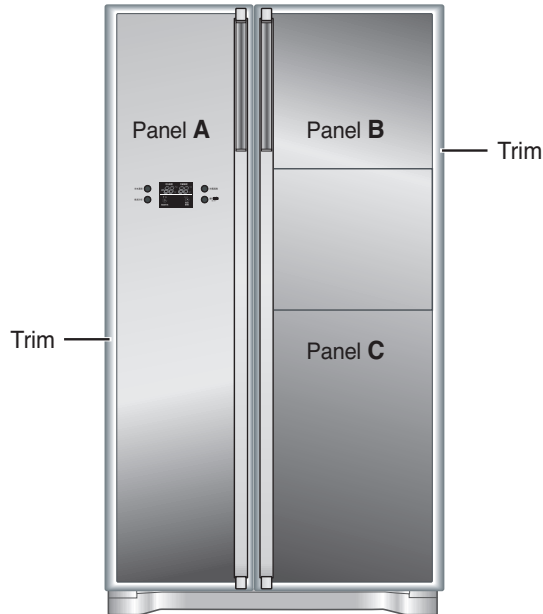
The following occurrences are normal.

	Occurrence	Solution
Noise	When you hear "Tak" or "Took" sound	This is the sound of various parts expanding/contracting or various control devices operating depending on the temperature change within the refrigerator.
	When you hear "Deureureuk~", "Dulkuk" or "Woong" sound	This is the count of compressor or fan operating when the operation of the refrigerator is starting or ending. This is the same phenomenon of the sound generated when starting or turning off the engine of a car.
	When you hear "Kureureuk" sound of water flowing	This is the sound of refrigerant changing the condition in the freezer/fridge. When the liquid changes to gas, you will hear the sound of water flowing and when gas changes to liquid, you will hear the "Kureureuk" sound.
	When you hear the sound of wind such as "Shoo~" or "Shik" right after you close the door	This is the sound generated when the internal pressure is temporarily lowered when the warm air entered through the fridge or freezer is cooled fast.
	When you hear the vibrating sound	If the refrigerator is installed on wooden floor or wooden wall, or if the refrigerator is not leveled properly, the sound can be loud from the vibration.
	When you hear a loud sound after installing the product for the first time	When you operate the refrigerator for the first time, the refrigerator will operate at high speed to cool fast and the sound can seem louder. When the internal temperature falls below a certain level, the noise will subside.
Door open	When the door is slightly opened after closing the door	Depending on the force or speed of closing the fridge or freezer door, the door can open slightly and then get closed. Be careful not to close the door too hard.
Icing/ Dew drops	When there is icing or dew drops formed on the inner or outer side of the refrigerator	When external air flows into the cool inner surface of the refrigerator, icing/dew drops can be formed. Especially, this will happen more easily when you open and close the refrigerator door more frequently. Also if the humidity of the installed location is high or during the rainy season or on a rainy day, dew drops can form on the outer side of the refrigerator. This is a natural phenomenon that occurs during the humid weather. Wipe the water drops with a dry cloth.
Temperature	When the front side of the refrigerator is warm	Heat pipes are installed around the front part of the refrigerator and on the divider of the freezer and fridge to prevent the dew drops from forming. The refrigerator may feel warmer after the installation or during the hot summer, but this is not a problem and you can be rest assured.

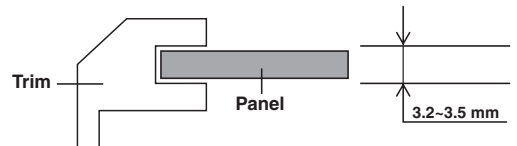
When replacing PANEL.....

(Be sure to read before replacing Panel.)

When replacing Panels (A, B, C), contact a qualified service representative to perform this operation, and follow these important steps.



1. Avoid damaging the Panel. If damaged, it may cause personal injury.
2. When using glass as a material for panel, tempered glass must be used. Ordinary glass may cause personal injury if broken.
3. The total weight of the Panels (a, b, c) to be replaced should not weigh more than 15kg. If it overweight, the hinge strength may be decreased, resulting in door Sagging etc.
4. The thickness of the Panel in the Trim assembly is 3.2~3.5 mm.
5. Size of Panel (Width x Height)
 - Panel (A) : 380 mm X1694 mm
 - Panel (B) : 504 mm x 502.5 mm
 - Panel (C) : 504 mm x 806 mm



Caution to use refrigerator

In changing glass of the door, glass on the front door can be broken, resulting personal injury. So handle with care.