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ภาษาไทย

OWNER'S MANUAL

SXS REFRIGERATOR

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

P/NO : MFL63294123

www.lg.com

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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. : _____

⚠ Important safety instruction

Before it is used, this refrigerator must be properly installed and located in accordance with the installation instructions in this document.

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

After your refrigerator is in operation, do not touch the cold surfaces in the freezer compartment, particularly when your hands are damp or wet. Skin could adhere to these extremely cold surfaces.

Unplug the power cord from the power outlet for cleaning or other requirements. Never touch it with wet hands because you can get an electric shock or be hurt.

Never place glass products in the freezer because they may be broken due to expansion when their contents are frozen.

Never allow your hands within the ice storage bin of the automatic ice maker. You could be hurt by the operation of the automatic ice maker.

The appliance is not intended for use by young children or infirm persons without supervision.

Don't use an extension cord

If possible, connect the refrigerator to its own individual electrical outlet to prevent it and other appliances or household lights from causing an overload that could cause a power outage.

Accessibility of Supply Plug

The refrigerator-freezer should be so positioned that the supply plug is accessible for quick disconnection when accident happens.

Supply Cord Replacement

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.

⚠ Important safety instruction

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.

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.

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.

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.

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.

2. When using the refrigerator

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.

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 insert the hands into the ice bucket or the ice dispenser.

(only for the model with the dispenser).

Operating the ice maker may cause injury.

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.

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 (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. (Only for the model with the R600a.)

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.

2. When using the refrigerator

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.

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.

When you want to dispose the refrigerator, contact to the down-block office.
When you want to dispose the large living waste such as electric home appliance and furniture, you'd better contact the local down-block office.

⚠ CAUTION

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

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.

Wait for 5 minutes or longer when reconnecting the plug.

It may cause the operation of the freezer to fail.

Do not put bottle in the freezer.

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

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 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 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.

⚠ WARNING

1. When connecting the power

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.

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.

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.

2. When using the refrigerator

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 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.

⚠ CAUTION

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

Operating the ice maker may cause injury.

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.

⚠CAUTION

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.

Child entrapment warning

⚠ **DANGER** : Risk of child entrapment.
Before you throw away your old refrigerator or freezer:
Take off the doors but leave the shelves in place so that children may not easily climb inside.

Don't store

Don't store or use gasoline or other flammable vapor and liquids in the vicinity of this or any other appliance.

Grounding (Earthing)

In the event of an electric short circuit, grounding (earthing) reduces the risk of electric shock by providing an escape wire for the electric current.
In order to prevent possible electric shock, this appliance must be grounded improper use of the grounding plug can result in an electric shock. 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

Identification of parts

NOTE

- If you find some parts missing from your unit, they may be parts only used in other models.

Where to install

Select a good location

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℃ . 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 materialand can be reused after rework (recycling). For take back, please contact with thelocal agency.

⚠ WARNING

Door removal

Electric Shock Hazard
Disconnect electrical supply to refrigerator before installing. Failure to do so could result in death or serious injury.

If your access door is too narrow for the refrigerator remove the refrigerator door and pass the refrigerator laterally.

Remove lower cover

Remove the lower cover by lifting upward.

Remove the freezer compartment door

1) Loosen the hinge cover screws and remove the cover.

2) Remove the keeper by rotating it to counter clockwise (①) and then lifting the upper hinge up(②).

⚠ CAUTION

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

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

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 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.

When the freezer door is lower than the refrigerator door

Insert the transparent sheet supplied with the product when the freezer door is lower than the refrigerator door.

- Separate the door with the lower height,use the (+) type screwdriver to unscrew the screw at the bottom hinge as shown at Figure ①,insert the transparent sheet between the bottom hinge and the bottom bracket, and then fix it with the screw as shown at Figure ② .
- Insert more transparent sheets enough to align the height. (4 shttes are supplied in total.)

When the refrigerator door is lower than the freezer door

Make adjustments when the refrigerator door is lower than the freezer door while using the refrigerator.

1. Use the wide side of the adjustment tool ③ to rotate the tightening nut ① in clockwise direction to loosen it.
2. Use the narrow side of the adjustment tool ③ to rotate the adjustment hinge pin ② in either clockwise or counterclockwise direction to level the height of the refrigerator to that of the freezer.
3. After leveling the height of the door,rotate the tightening nut in counterclockwise direction to tighten it all the way.

⚠CAUTION

Do not adjust the height excessively. You can lose the hinge pin.
(Height adjustable range: Maximum of 5mm)

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 Mode

This function places the display into power saving mode until the next time the door is opened.

Press the FREEZER and EXPRESS FRZ. buttons simultaneously and hold them for 5 seconds until the Ding sounds. All LED light 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 FREEZER and EXPRESS FRZ. buttons simultaneously and hold them for 5 seconds until the Ding sounds.

When doors are closed or stopping button selection for 20 seconds, the brightness of LED display will turn down, The power saving mode is activated. When a door is open or a button is pressed, the brightness of LED display will turn up.

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

How to adjust the temperature in the freezer compartment

Freezer room temperature adjustment

※ Whenever pressing FREEZER button,setting is repeated in the order of (-19℃→-20℃…→-23℃→-15℃…→-19℃).

How to adjust the temperature in the refrigerator compartment

Refrigerator room temperature adjustment

※ Whenever pressing REFRIGERATOR button,setting is repeated in the order of (3℃→2℃…→0℃→6℃…→3℃).

- The actual inner temperature varies depending on the food status,as the indicated seeeing 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.

Super freezer

Please select this function for prompt freezer.

- "on"and "off " is repeated whenever pressing EXPRESS FRZ. button.
- The arrow mark graphic remains at the "on" status when selecting Special Refrigeration "on".
- Super freezer function auto matically turns off if a fixed time passes.

Lock

This button stops operation of different button.

- Locking or Release is reperated whenever the button is pressed more than 3 seconds.
- When you use the CHILD LOCK 3SECS button, you can not use any other button, until you unlock the unit.When you press the other button when the unit is locked, the 🔒 will flash 3 times to notify the current Lock condition.

Door open alarm

An alarm will sound 3times when the refrigerator door is left open for more than 1 minute.This alarm will be rung at an intervals of 30 sec.and stop at the close of the door.If the alarm sound does not stop even after the freezer and refrigerator compartment doors are closed,contacact the service center.

Self-diagnosis (fault detection) function

Self-diagnosis function operates when a problem occurs in the unit.When an error occurs in the unit.Immediately contact the service center without turning the power OFF.If the power is OFF,it will take the engineer longer to find out where the fault occurs.
The pressing of any function buttons will not alter the temperature setting when a fault occurs.

Refreshment center(Applicable to some models only)

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.

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 fo convenience of use.

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.
   - Never place heavy items on the refreshment center door or allow children to hang it on.
     Not only can the refreshment center door may be damaged,but also children may be hurt.

Wine holder
(Applicable to some models only)

Wine holder adjustment

Bottles can be stored laterally with this wine rack.

(Type 1)

(Type 2)

When making Ice

Ice Making

- Fill water in ice making box of the ice making corner.
  If water is fully filled the ice will not be separated well and water can be dropped to make ice lumped.

- Ice will be dropped into the ice storage bin by rotating ice separation handle of ice making compartment.

NOTE

- Rotating the ice separation handle before ice is fully frozen may cause the remaining water drop into the ice storage bin to lump the ice together.

Shelf (Applicable to some models only)

How to use

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.

Deodorizer (Applicable to some models only)

This system efficiently absorbs strong odors by using the optical catalyst. This system does not have any affect on stored food.

How to use the deodorizing system

- Since it is installed already installed onto the cool air intake duct from the from the refrigerator compartment, you need no separate installation.
- Please use closed containers to store food with pungent odors.
  Otherwise, this oder can be absorbed by other food in the compartment.

Two stars section ** (Applicable to some models only)

Freezer basket (two stars section)

- Two stars section means the space stored at -12°C~-18°C
- Freezer foods for short-terms storage.

Egg box

You can move the egg box to wherever you want.

⚠ CAUTION

- 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.

Humidity control in the vegetable compartment

The humidity can be controlled by adjusting the humidity control switch to the left/right when storing vegetables or fruits.

High humidity

Low humidity

Location of foods

(Refer to identification of parts)

Wine holder	Store wine.	
Snack drawer	Store small foods such as bread, snacks, 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.	

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

- Avoid placing moist food in top refrigerator shelves, it could freeze from direct contact with chilled air.
- 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 openning 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.

How to dismantle parts

NOTE

- Dismantling is done in the reverse sequence of assembly.
  Be sure to unplug the power plug before dismantling and assembly.
  Never apply severe force to dismantle parts. Parts may be damaged.

Freezer compartment lamp

Separate the lamp by pulling it out ② while slightly pressing ① and rotating ③ the lamp cover.
Turn the bulb counterclockwise.
(Please cut the power off before operation)
Use a DC 12V 0.75W LED bulb.
Please contact with the local service center, when the LED lamp bulb doesn't operate well .

Door rack and support

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

Lamp in refrigerator compartment

Separate the lamp by pulling it out while ② slightly pressing ① and rotating ③ the lamp cover.
(Please cut the power off before operation)
Disassembly the screws of the lamp broad and take it down. Use a DC 12V 2W LED lamp broad.
Please contact with the local service center, when the LED lamp board doesn't operate well .

Separate the lamp by pulling it out ①.
Turn the bulb counterclockwise.
(Please cut the power off before operation)
Use a DC 12V 0.75W LED bulb. Please contact with the local service center,
when the LED lamp bulb doesn't operate well.

Refreshment center (In select model only)

- Separate the door rack (①) to upward.
- Separate cover of the refreshment center (②) to upward.
- The door rack (③) can be removed by pulling it upwards.

NOTE

- Be sure to remove parts from the refrigerator door when removing the vegetable compartment and snack corner.

Vegetable compartment cover

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

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.

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
Temperatures are too cold		
Temperature in the freezer is too cold and 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 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 freezer is too warm.	Freezer control is set too warm.	Set the freezer control to a colder setting until the freezer temperature is satisfactory.
	Refrigerator control is set too warm. Refrigerator control has some effect on freezer temperature.	Set the freezer control to a colder setting until the freezer temperature is satisfactory.
Temperatures in the refrigerato or freezer is too warm.	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 open slightly.	Close the door completely.
	Large amounts of warm of hot food may have been stored recently.	Wait until the refrigerator or freezer has had 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 and 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. Sound will level off as 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 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 solidly set on floor.
	Refrigerator is touching wall or cabinets.	Relieve or move refrigerator
Water/Moisture /Ice inside refrigerator		
Moisture collects on inside of refrigerator walls.	Weather is hot and humid which increases 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.
Water/Moisture /Ice outside refrigerator		
Moisture forms on outside of 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 refrigerator.	Cover food completely.
	Some containers and wrapping paper produce odors.	Use a different container or brand of wrapping paper.
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. (Continued)	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.	Relieve or move refrigerator..
Door open	When the door is slightly opened after closing the door.	Depending on the fore 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 to hard.
Drawers are difficult to move.	Food is touching shelf on top of drawer	Keep less food in drawer.
	Track that drawer slides on is dirty.	Clean drawer and track.
Other	Please thoroughly read this manual.	

Assemble (Install) the earth firmly.

When the earth connection is unstable, it can cause a problem or an electric shock in case of electricity leakage.

When installing and using the product in the following location, you must do an earth construction by requesting to your retailer.
(Earth construction is not free.)

- Unfloored or dirt floored (room with dirt and no floor), concrete floor etc., and location where leakage and dew drops can occur including locations where water can drip such as near the sink, basement etc.

Connect the earth wire to the earth connecting screw on the rear side of the product.

Do not connect the earth wire to the following locations.

- Water pipe and gas pipe have the possibility of explosion and flammable danger.
- Telephone line earth and lightning rod are dangerous with high current in case of lightning.

When installing near wet locations, you are obligated to install the circuit breaker in addition to the earth wire. Consult with your retailer.

Earth (grounding) construction

It is recommended to install the earth to prevent electric shock in case of electricity leakage.

About connection

- Connect the earth line to the earth wire assembly screw on the back of the refrigerator.

Do not connect the earth wire to the following locations.

- **Gas pipe**
  It can cause an explosion and can be flammable.
- **Telephone earth wire and lightning rod**
  It is dangerous during lighting.
- **Water pipe and water tap**
  The earth wire connection will not work when the middle of the water pipe is made of plastic.

When installing the product in a humid or wet location, you must install the earth wire.

Ex)
- Unfloored or dirt floored room (Room with dirt and no floor), concrete floor
- Location where it can get wet such as near the sink
- Location where water can leak or is humid such as basement
- Other wet or humid location

Especially, for locations where it always get wet such as near the restaurant sink, you are obligated by the law to install a circuit breaker in addition to the earth wire.

After consulting with your retailer or electric construction company, you must do the earth wire construction (Type 3 earth construction). Earth construction is not done for free.

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