REFRIGERATOR-FREEZER

OWNER'S MANUAL

PLEASE
READ THIS OWNER'S MANUAL THOROUGHLY
BEFORE OPERATING AND KEEP IT FOR HANDY
REFERENCE AT ALL TIMES.

ตู้เย็น

คู่มือการใช้งาน

กรุณา
อ่านคู่มือการใช้งานเล่มนี้อย่างละเอียดก่อนทำการใช้งาน
และเก็บคู่มือเล่มนี้ไว้เพื่อใช้อ้างอิง

P/No. MFL37997440

CONTENTS

IMPORTANT SAFETY INFORMATION 3

INSTALLATION 9

INNER PARTS 10

OPERATIONS 11-14

- Starting
- Before Setting The Temperature
- Control For Freezer Compartment
- Ice Making (Optional)
- Green Ion Door Cooling (Optional)
- Fresh Zone
- Defrosting
- Deodorizer (Optional)
- Vitamin Kit (Optional)
- Dairy Corner (Optional)

SUGGESTIONS ON FOOD STORAGE 15

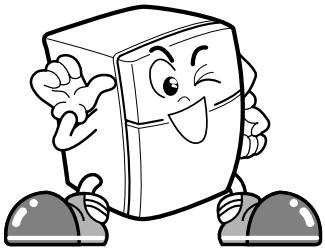
CLEANING 16

GENERAL INFORMATION 16

LAMP REPLACEMENT 17

IMPORTANT WARNINGS 17

BEFORE CALLING FOR SERVICE 18



IMPORTANT SAFETY INFORMATION

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 .

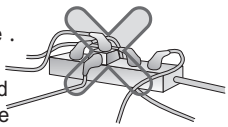
⚠ WARNING

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

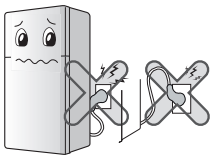
The dedicated outlet should be used .

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



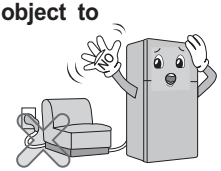
Do not allow the power plug to face upward or to be squeezed at the back of the refrigerator .

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



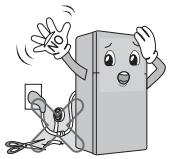
Do not allow the power cord bent or pressed by the heavy object to be damaged .

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 .



IMPORTANT SAFETY INFORMATION

1 . When connecting the power

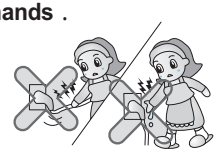
Unplug the power plug when cleaning , handling or replacing the interior lamp of the refrigerator .

- 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 .



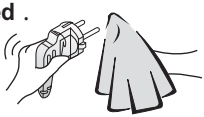
Do not pull out the cord or touch the power plug with wet hands .

- It may cause electric shock or injury .



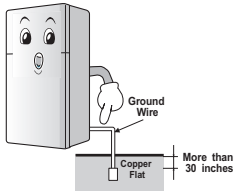
Remove water or dust from the power plug and insert it with the ends of the pins securely connected .

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



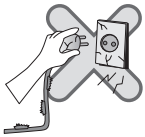
Make sure of grounding .

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 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 .



2 . When using the refrigerator

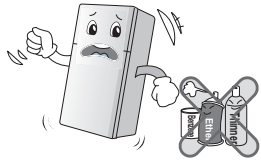
Do not install the refrigerator in the wet place or the place which water or rain splashes .

Deterioration of insulation of electric parts may cause electric leakage .



Do not 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 .



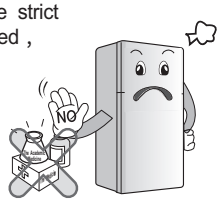
Do not place the lit candle within the refrigerator to deodorize .

It may cause explosion or fire .



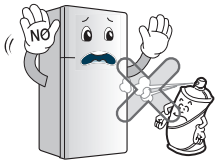
Do not store the medicine or the academic materials at the refrigerator .

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 .



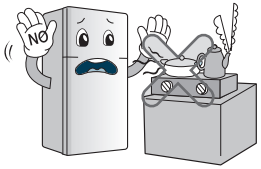
Do not use the combustible spray near the refrigerator .

It may cause fire .



Avoid the heating devices .

It may cause fire .



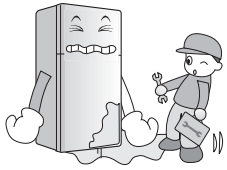
Do not place flower vase , cup , cosmetics , medicine or any container with water on the refrigerator .

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 .



2 . When using the refrigerator

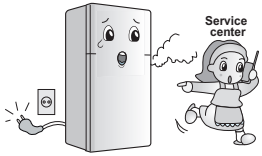
Do not spray water at the outside or the inside of the refrigerator or do not clean it with benzene or thinner .

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



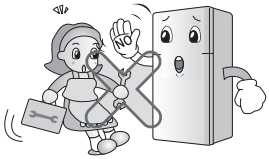
When any strange smell or smoke is detected from the refrigerator , disconnect the power plug immediately and contact to the service center .

It may cause fire .



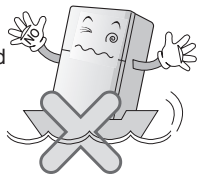
Do not allow any person except the qualified engineer to disassemble , repair or alter the refrigerator .

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 .

It may cause to lock out the child .



Install the refrigerator on the solid and level floor .

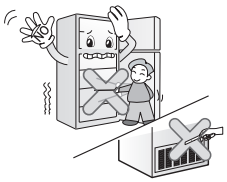
Installing it on the unstable place may cause death by falling down the refrigerator when opening or closing the door .



2 . When using the refrigerator

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 better contact the local down-block office .

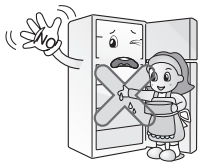


⚠ CAUTION

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

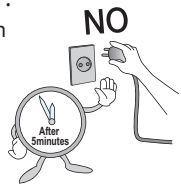
Do not touch food or containers at the freezer with wet hands .

It may cause frostbite .



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 .



⚠ CAUTION

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

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 .



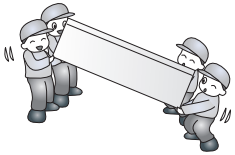
Do not insert the hands into the bottom of the refrigerator .

The iron plate of the bottom may cause injury .



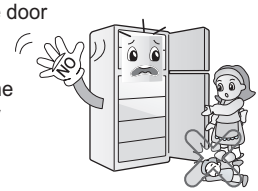
Carry the refrigerator with the handle bar at the bottom of the front and the top of the rear .

Otherwise , your hands may be slipped to cause injury .

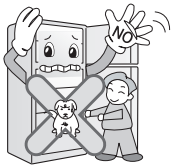


Because opening or closing the door of the refrigerator may cause injury to the person around it , be careful , please .

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 .



THIS REFRIGERATOR IS MANUFACTURED WITH GREAT CARE, AND UTILIZES THE LATEST IN TECHNOLOGY.

WE ARE CONFIDENT THAT YOU WILL BE FULLY SATISFIED WITH IT'S PERFORMANCE AND RELIABILITY.

BEFORE YOU START YOUR REFRIGERATOR, PLEASE READ THIS BOOKLET CAREFULLY. IT PROVIDES EXACT INSTRUCTIONS FOR INSTALLATION, OPERATION AND MAINTENANCE, AND ALSO SUPPLIES SOME USEFUL HINTS.

INSTALLATION

1. Select a good location.
Place your refrigerator 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 unit must be level.
If required, adjust the leveling screws to compensate for unevenness of the floor.
The front should be slightly higher than the rear to aid in door closing.
Leveling screws can be turned easily by tipping the cabinet slightly.
Turn the leveling screws clockwise() to raise the unit, counterclockwise() to lower it.

5. Don't install this appliance below 5 °C. It may cause the debasement of the refrigerator.

NEXT

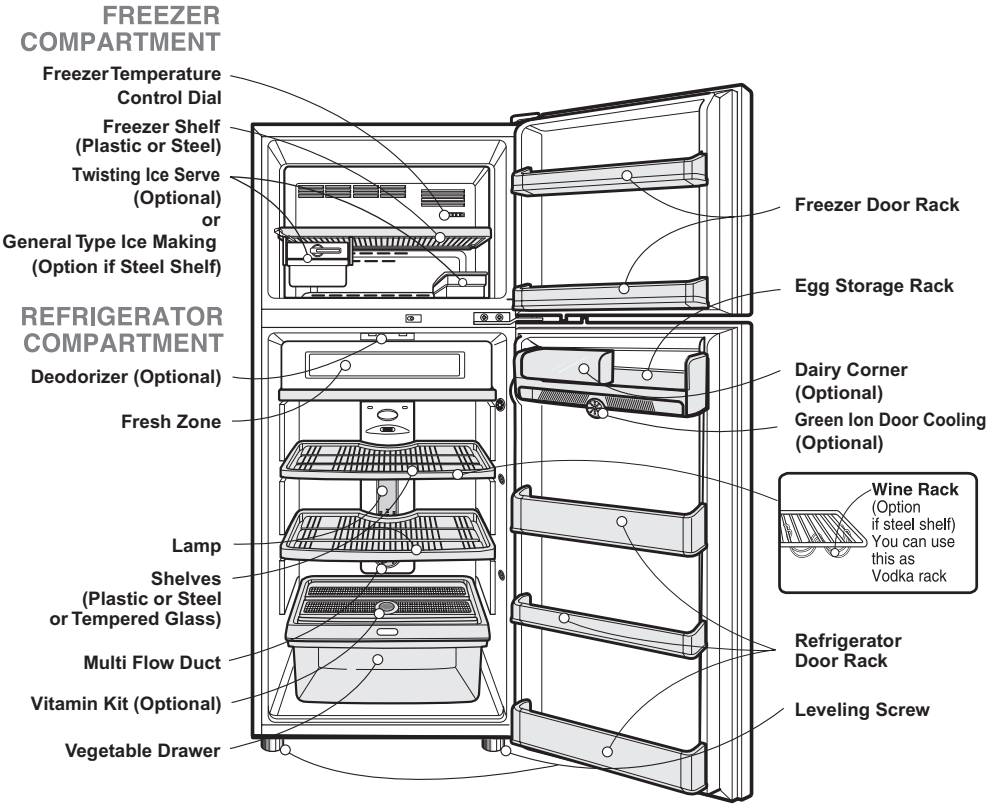
1. Clean your refrigerator thoroughly and wipe off all dust accumulated during shipping.

2. Install accessories such as ice cube box, etc., in their proper places.They are packed together to prevent possible damage during shipment.

3. Connect the power supply cord (or plug) to the outlet. Don't double up with other appliances on the same outlet.

4. Prior to storing food, leave your refrigerator on for 2 or 3 hours.
Check the flow of cold air in the freezer compartment to ensure proper cooling.
Your refrigerator is now ready for use.

INNER PARTS



NOTE

- This guide covers several different models. The refrigerator you have purchased may have some or all of the features shown above.

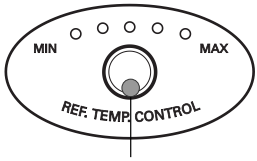
OPERATIONS

STARTING

When your refrigerator is first installed, allow it 2-3 hours to stabilize at normal operating temperatures prior to filling it with fresh or frozen foods.

If operation is interrupted, wait 5 minutes before restarting.

CONTROLS FOR REFRIGERATOR COMPARTMENT



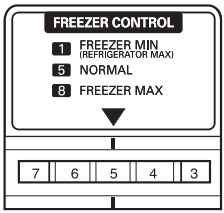
Ref. Temp Control Button

The default setting of the temperature control button for the refrigerator compartment is **NORMAL**.

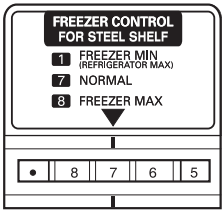
To control the refrigerator temperature, press the **Ref. Temp Control** button.

When the button is pressed, the LEDs light.
The temperature is set in 5 steps, from MIN to MAX cooling.(MIN = warmest, MAX = coldest temperature.)

CONTROLS FOR FREEZER COMPARTMENT



(PLASTIC SHELF)



(STEEL SHELF)

- **FREEZER CONTROL** - 1, 2, 3, 4, 5, 6, 7, 8
  Setting at "8", the freezer compartment becomes colder.
  But the refrigerator compartment becomes warmer because less cold air flows into the refrigerator compartment.

- **In cold weather** the unit operates less and the freezer compartment has a tendency to warm up.
  For colder freezer, turn the FREEZER CONTROL to "7"~"8".

- **If you take a lot of foods in the freezer or open its door frequently,** its temperature is apt to be somewhat higher. In this case, set the FREEZER CONTROL dial between 7 and 8 to cool it. Return the FREEZER CONTROL dial to the original position to cut down the consumption of energy.

- **In hot weather or to put much foods in the refrigerator compartment,** the refrigerator compartment has a tendency to warm up.
  For colder refrigerator, turn the FREEZER CONTROL to "2"~"4" to direct more cold air into the refrigerator compartment, and the REFRIGERATOR TEMP. CONTROL to "MAX" or "6".
  Setting at "7"~"8" of the FREEZER CONTROL, the refrigerator compartment will not be cold enough.

- Setting the Freezer Knob at ▣▣ will satisfy 4 STAR.
  Setting the Freezer Knob at NORMAL will have sufficient freezing effect, so it is recommended to set the Knob at NORMAL.

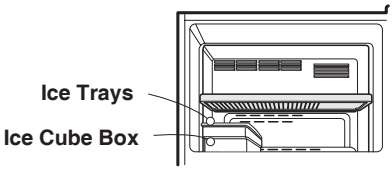
OPERATIONS

ICE MAKING (OPTIONAL)

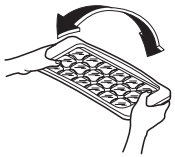
Choose the type of ice Making you have.

General Type

- To make ice cubes, fill the ice tray with water and place it on the ice cube box. Then insert the ice cube box in the freezer compartment.

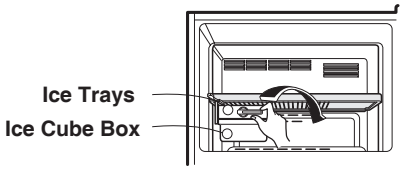


- To remove ice cubes, hold the tray at its end and twist gently.

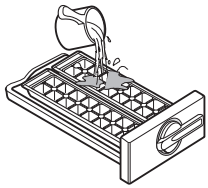


Twisting Ice Serve Type

- To make ice cubes, fill the ice tray with water and insert in its position.

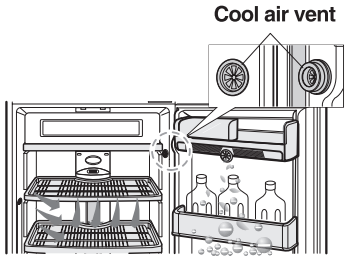


- To remove ice cubes, hold the lever of the tray and pull turn gently. Then, ice cubes drop int to the ice cube box.



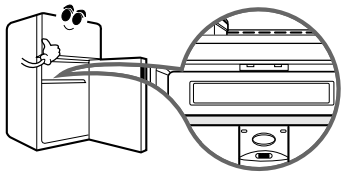
GREEN ION DOOR COOLING (OPTIONAL)

- The anion coating in the duct cover purifies the air and helps stored foods remain fresh longer.
- If water of foreign substances enter the cool air vent while cleaning, efficiency will be lowered. In addition, if gasket is damaged, efficiency may be lowered owing to the escape of cool air.



OPERATIONS

FRESH ZONE



- When the door is opened, the warmer air doesn't influence in the fresh zone. So you can keep food fresher in it.

DEFROSTING

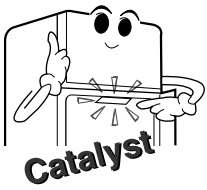
- Defrosting takes place automatically.
- The defrosted water flows down to the evaporating tray which is located in the lower back side of the refrigerator and is evaporated automatically.

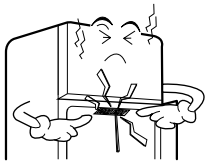
DEODORIZER (OPTIONAL)

- By using a catalyst, deodorizing performance is guaranteed.
- Unpleasant odor of food in fresh food compartment is deodorized with no harm to you and the food.

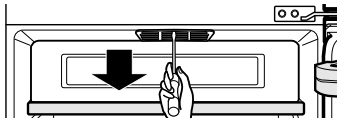
How to use

- As the catalyst is located in cooling air outlet for circulating air in fresh food compartment, there is no need for any handling.
- Do not prick the cooling air outlet with a sharp tip because the deodorizing catalyst may be damaged.
- When storing food with a strong odor, wrap it or store it in a container with a lid because odor may be passed on to other foods.





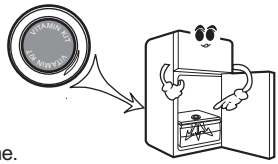
- To remove the deodorizer, take down while pulling it forward after inserting ⊖ type driver into the inside hole as shown in the figure at right.



VITAMIN KIT (OPTIONAL)

It contains anti-oxydant that is able to avoid oxidation process in order to make the fruits and vegetables fresh for longer time.

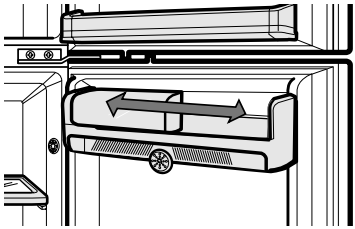
This part contains anti-oxydant substance that do not to eat.
Opening and closing the door too much often can reduce its lifetime.



OPERATIONS

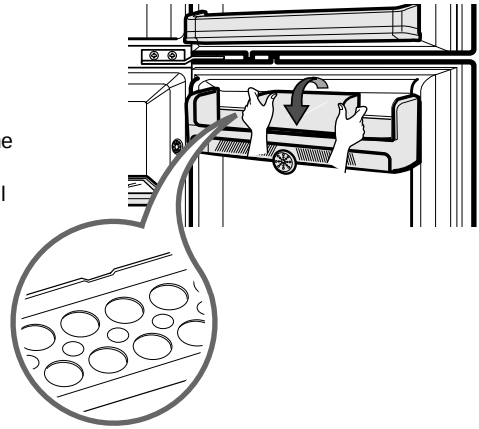
DAIRY CORNER (OPTIONAL)

- Use the moving by pushing right the left with protruded handle.



How to remove the cover when you clean

- Push the cover and move it to the center of basket
- Move the cover at the middle of basket and aligh the hole with bothsides of the basket
- After aligning,turn basket from back to front and pull out with both hands.



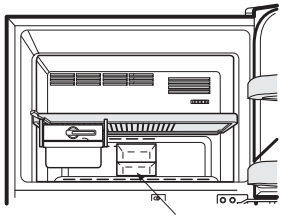
SUGGESTIONS ON FOOD STORAGE

STORING FOOD

- 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, pineapples, and melons.
- Allow hot food to cool prior to storing. Placing hot food in the refrigerator could spoil other food, and lead to higher electric bills!
- 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.

FREEZER COMPARTMENT

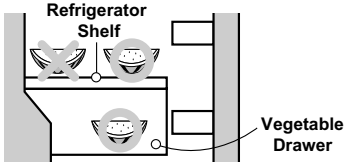
- Do not store bottles in the freezer compartment - they may break when frozen.
- Do not refreeze food that has been thawed. This causes loss of taste and nutrition.
- When storing frozen food like ice cream for a long period, place it on the freezer shelf, not in the door rack.
- Loading for Freezing - It is recommended to load newly introduced foods on the following position for freezing:



Newly Introduced Food

REFRIGERATOR COMPARTMENT

- Avoid placing moist food on deep interior refrigerator shelves, it could freeze upon direct contact with chilled air. To avoid this it is better to store food in the covered container.



- It is desirable to store moist food (especially vegetable and fruit) in the vegetable storage compartment. If it is necessary to store on a shelf of the refrigerator, put it close to the door away from the back wall of the refrigerator to avoid being frozen by the cool circulating in the refrigerator.
- Always clean food prior to refrigeration. Vegetables and fruits should be washed and wiped, and packed food should be wiped clean, to prevent adjacent food from spoiling.
- When storing eggs in their storage rack, ensure that they are fresh, and always store them in a up-right position, which keeps them fresh longer.

CLEANING

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

Never use metallic scouring pads, brushes, coarse abrasive cleaners or strong alkaline solutions on any surface.

Before you clean, however, remember that damp objects will stick or adhere to extremely cold surfaces. Do not touch frozen surfaces with wet or damp hands.

EXTERIOR - Use a lukewarm solution of mild soap or dish washable solution to clean the durable finish of your refrigerator. Wipe with a clean, damp cloth and then dry.

INTERIOR - Regular cleaning of the interior and interior parts is recommended. Use a lukewarm solution of mild soap or dish washable solution to clean the durable finish of your refrigerator. Wipe with a clean, damp cloth and then dry.

INTERIOR PARTS - Wash compartment shelves, door racks, storage trays and magnetic door seals etc. Use a lukewarm solution of mild soap or dish washable solution to clean the durable finish of your refrigerator. Wipe with a clean, damp cloth and then dry.

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 electric shock.
Do not use flammable or toxic cleaning liquids.

- Caution for Cleaning Not in use : Surface active agent, Car wax, Anticorrosive, All sorts of oil, Gasoline, Acids, Wax.
- Usable Detergent Vegetable dish washable solution, Soapy water
- When careless using, it can occur a color change.

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 to be away for an extended period, remove all food, disconnect the power cord, clean the interior thoroughly, and leave each door OPEN to prevent odor formation.

POWER FAILURE

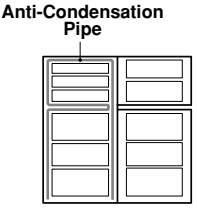
Most power failures are corrected in an hour or two and will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off. During power failures of longer duration, place a block of dry ice on top of your frozen packages.

IF YOU MOVE

Remove or securely fasten down all loose items inside the refrigerator.
To avoid damaging the leveling screw(s), 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 refrigerant to prevent "sweating" on the outer cabinet wall.



LAMP REPLACEMENT

REFRIGERATOR LAMP



1. Unplug the power cord from the outlet.
2. Remove refrigerator shelves.
3. To remove the lamp cover, insert ⊖ type driver at the one of under hole of the lamp cover and pull it out forwards.
4. Turn the lamp counterclockwise.
5. Assemble in reverse order of disassembly. Replacement bulb must be the same specification as original.

IMPORTANT WARNINGS

DO NOT USE AN EXTENSION CORD

Use this appliance on a dedicated circuit; that is, an outlet that is the only outlet on the circuit. Overloading a circuit causes low voltage, malfunction, possible damage to the equipment, and poor cooling capacity.
Check your local electric code or consult a qualified electrician if you have questions.

ACCESSIBILITY SUPPLY PLUG

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

SUPPLY CORD REPLACEMENT

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

ABOUT GROUNDING (EARTHING)

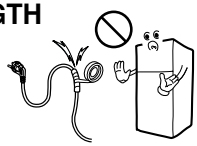
In the event of an electric short circuit, grounding (earthing) reduces the risk of electric shock by providing an escape wire for the electric current.

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.

DO NOT MODIFY OR EXTEND THE POWER CORD LENGTH

It will cause electric shock or fire.



VERY DANGEROUS ATTRACTION

An empty refrigerator can be a dangerous attraction to children. Remove either gaskets, latches, lids or the entire door from your unused appliance,or take some other action to make it harmless.

This appliance must be grounded (earthed).

DON'T WAIT! DO IT NOW!

Do not store inflammable materials, explosives, or chemicals in the refrigerator.

WARNING

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.

Disposal of the old appliance

This appliance contains fluid (refrigerant, lubricant) and is made of parts and materials which are reusable and/or recyclable.

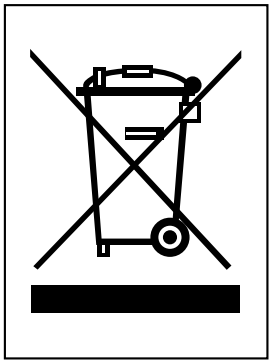
All the important materials should be sent to the collection center of waste material and can be reused after rework (recycling). For take back, please contact with the local agency.

BEFORE CALLING FOR SERVICE

SERVICE CALLS CAN OFTEN BE AVOIDED!

IF YOU FEEL YOUR REFRIGERATOR IS NOT OPERATING PROPERLY, CHECK THESE POSSIBLE CAUSES FIRST :

PROBLEM	POSSIBLE CAUSES
REFRIGERATOR DOES NOT OPERATE	• Has a house fuse blown or circuit breaker tripped? • Has the power cord plug been removed or loosened from the electrical wall outlet?
REFRIGERATOR OR FREEZER COMPARTMENT TEMPERATURE TOO WARM	• Temperature control not set on proper position. • Appliance is placed close to wall or heat source. • Warm weather-frequent door openings. • Door left open for a long time. • Large amount of foods are kept in the refrigerator.
ABNORMAL NOISE(S)	• Refrigerator is installed in a weak or uneven place, or leveling screw needs adjusting. • Unnecessary objects placed in the back side of the refrigerator.
REFRIGERATOR HAS ODOR	• Foods with strong odors should be tightly covered or wrapped. • Interior needs cleaning.
DEW FORMS ON THE CABINET SURFACE	• Not unusual during periods of high humidity. • Door may have been left ajar.



DISPOSAL OF YOUR OLD APPLIANCE

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

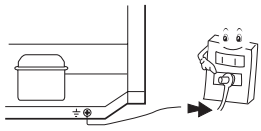
Assemble (Install) the earth firmly.

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.



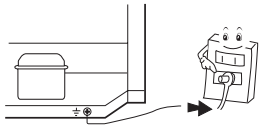
Do not connect the earth wire to the following locations.

- 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.



P/No. MFL37997440