

Refrigerator-Freezers

冷藏冷凍雪櫃

SERIES MODEL

系列 型號

MR-FV24J, MR-FV28J, MR-FV32J

OPERATING INSTRUCTIONS

操作指引

Non-Freon Refrigerators

This refrigerator uses non-Freon refrigerant (isobutane) and non-Freon foam insulation (cyclopentane). These materials are harmless to the environment and do not affect the ozone layer and global warming.

使用非氟利昂的雪櫃

這個雪櫃使用非氟利昂冷媒(異丁烷)和非氟利昂發泡隔熱材料(環戊烷)。 這些物料不會對環境造成破壞,也不會破壞臭氧層以及使全球暖化問題惡化。

- Maintenance work shall only be carried out at workshop by well-trained maintenance worker.
- Please read this manual carefully and follow the information contained within. In particular, be sure to read the safety precautions before using this refrigerator.
- Be sure to receive your copy of the warranty from the retailer and confirm that the purchase date and retailer name are written on the warranty
- Store this operating instructions manual and the warranty in a safe place.

This refrigerator was manufactured for refrigerating and freezing of foods in general households. For commercial use, please use a commercial refrigerator-freezer.
 The principal plastic components indicate the material name to facilitate recycling.

- 維修工作必須由受過訓練的技師在工場進行。
- 請細閱此說明書,並依照書中指引使用雪櫃。使用雪櫃前,請務必細閱有關安全措施。
- 請確定已從經銷商處取得保養書。保養書上應列明購買日期及經銷商號。
- 請將此使用說明及保養書妥為保存。
- 此冷藏冷凍雪櫃只宜作爲一般家居冷藏及冷凍食物用。如要作商業用途,請另購商用冷藏冷凍雪櫃。
- 主要塑料組成部份顯示有物料的名稱,以方便循環再用。



Safety Precautions

The types of danger that can result from improper handling are explained in the sections below.



Mishandling can lead to bodily injury or loss of home and household contents.

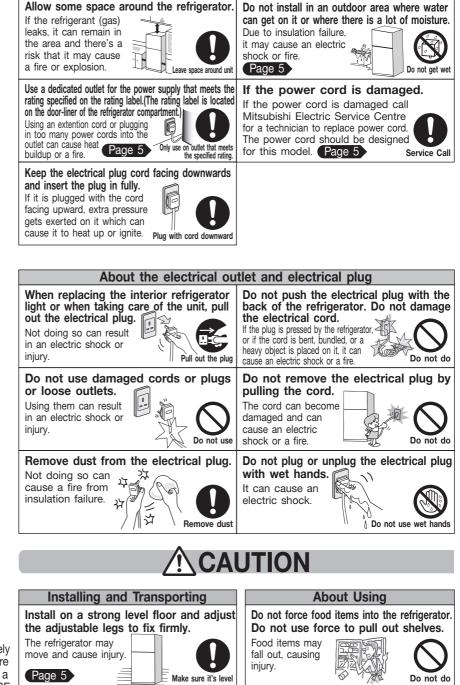
The symbols illustrated below have the following meanings.



When something abnormal or unusual occurs, turn off immediately and consult with "the store where you purchased the unit" or with a "MITSUBISHI ELECTRIC SERVICE CENTRE or Customer Service representative."



When installing your unit

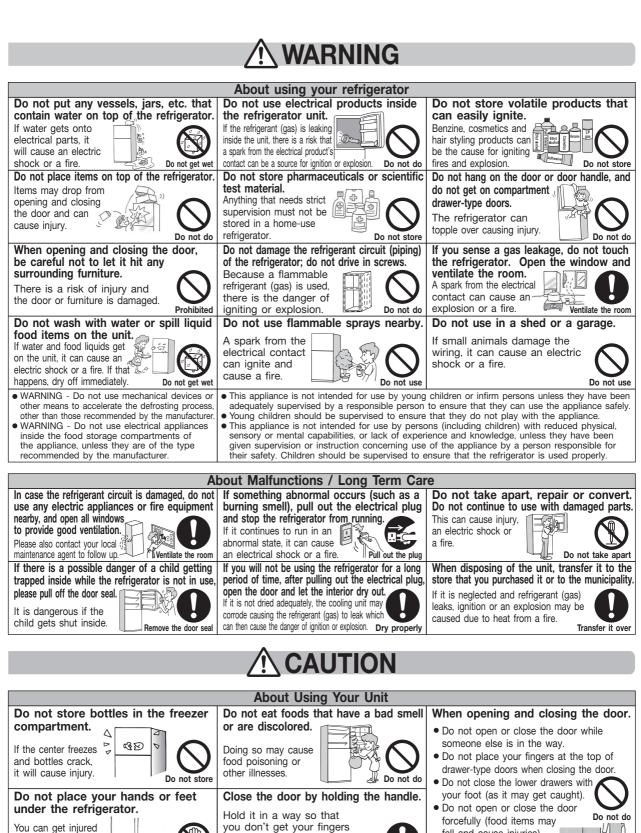


Do not touch foods or containers in the freezer compartment with wet hands. Doing so can cause freezer

Do not use wet han

burn.





fall and cause injuries)

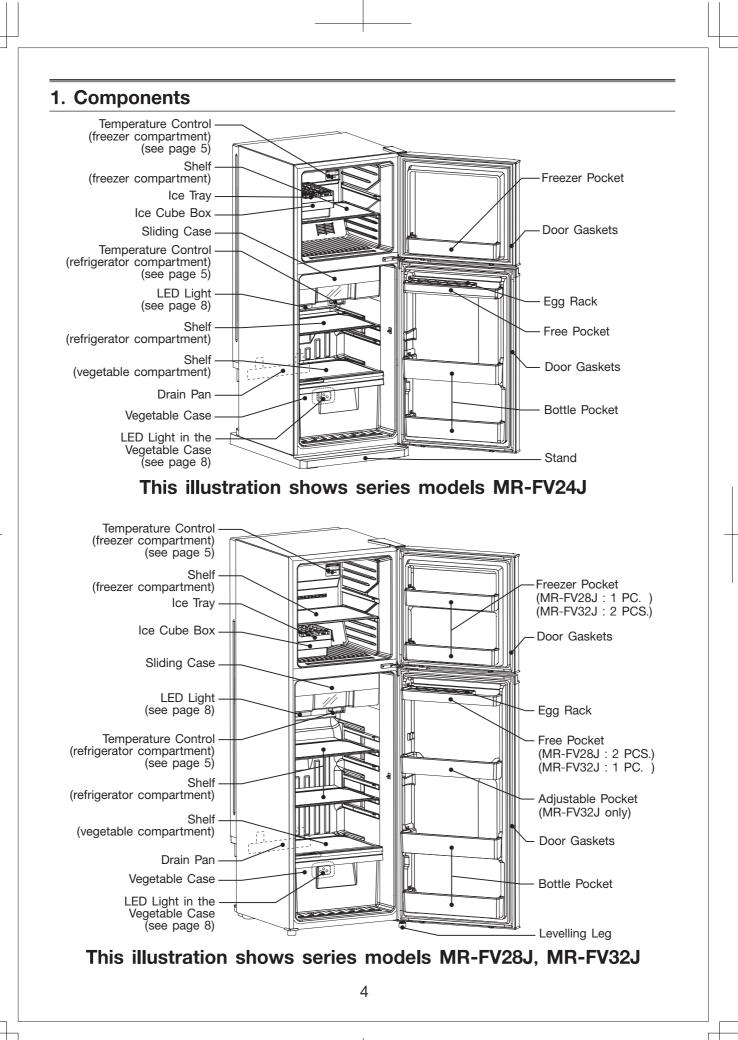
Hold the handle

caught in the door.

Do not touch

Not doing this may cause injury.

from something such as the steel plate.



2. Installation

- Install on a completely flat and rigid surface.
- Level the refrigerator by rotating the levelling leg located in the front of the right corner. The refrigerator is then solidly positioned.
- Leave a 2-cm space between the sides of the refrigerator.
 Leave a 10-cm space between the top of the refrigerator and the ceiling.
 Leave a 5-cm space between the back of the refrigerator.
- Choose a location which is not exposed to the sun, which is relatively free from dust, heat and humidity, and which offers good ventilation. This is to guarantee that the heat radiation will not be impaired.

Use in hot spring areas

Corrosion control treatment may be required for the refrigerant circuit (pipe) due to generation of corrosive gases. Contact the retail store where you purchased the refrigerator.

Do not block the area in the vicinity of the refrigerator. If refrigerant leaks, it may accumulate and catch fire or explode.

Do not damage the refrigerant circuit (pipes) or drive screws into it.

Although R600a refrigerants are combustible, the refrigerant circuit is hermetically sealed and normally leaks will not occur.

In case the refrigerant circuit is damaged, do not use any electric appliances or fire equipment nearby, and open all windows to provide good ventilation. Please also contact your local maintenance agent to follow up.

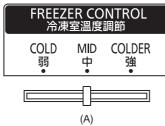
3. Electrical Connections

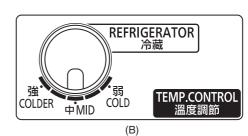
Important: For personal safety, this appliance must be properly grounded.

- The refrigerator should always be plugged into its own individual electrical outlet. This is recommended for best performance and also in order to prevent the overloading of household wiring circuits, which may cause a fire hazard. Extension cords are not recommended. Make sure that the outlet provides the correct voltage.
- If your refrigerator has a grounding plug, use it correctly. The 3-pin plug must be inserted into a mating 3-pin grounded receptacle. If the installation location does not have a proper 3-pin grounding wall receptacle, the proper type must be installed. The ground point should never be cut or removed.
- If your refrigerator has an ungrounding plug, connect the ground wire to the ground connection screw provided at the lower rear side of the refrigerator.

4. Operation

1. Temperature Control





The freezer and refrigerator controls are interlinked. For example, to change the temperature in the freezer, the freezer (A) and refrigerator (B) controls must both be adjusted.

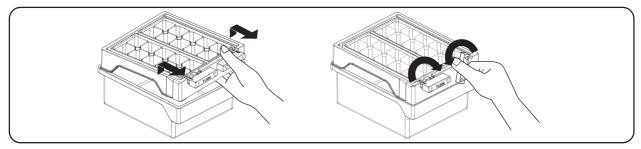
- For normal coolness in both compartments, set (A) to "MID" and set (B) to "MID".
- For maximum coolness in both compartments, keep (A) at "MID" and set (B) to "COLDER".
- For a cooler than normal temperature in freezer compartment, set (A) to "COLDER" and (B) to "COLDER".
- For a cooler than normal temperature in the refrigerator compartment, set (A) to "COLD" and (B) to "COLDER".

2. Automatic Defrosting

Thanks to the built-in automatic defrosting timer and heater, this refrigerator performs defrosting automatically, so there is no need to defrost it manually. Water produced during defrosting passes through the drainage hose at the rear and collects in the drain pan in the lower rear part of the refrigerator. Then, it automatically evaporates with heat from the radiator.

3. Ice-making

- Pour water up to the water line in each of the ice tray sections. Insert the tray completely into the ice tray holder. If too much water is added, the ice cubes cannot be easily separated from the ice tray.
- Once the ice cubes have been made, turn the lever until they fall into the ice cube storage box.
- If you attempt to make ice directly in the ice cube storage box, the box will break.



4. Sliding Case

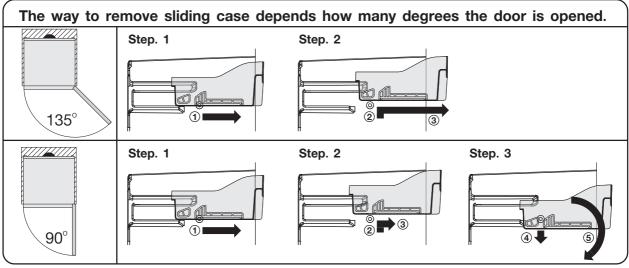
• This sliding case is cooled to a low temperature in order to preserve the freshness of foods stored for long periods.



CAUTION:

Before closing the refrigerator compartment door, make sure that the sliding case is pushed all the way in (and the lid is closed correctly).

- Remove sliding case as shown in the illustration and proceed with cleaning.
- Pull the case out all the way. Pull out by holding and lifting the edge of the case upwards.



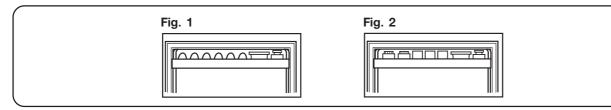
% Use reverse procedures to put accessories back in place.

5. Door Racks

The door racks may be used to store all those little items that seem to get in the way. If you put all the small items in one place, you'll find that there's more space inside the refrigerator for larger items.

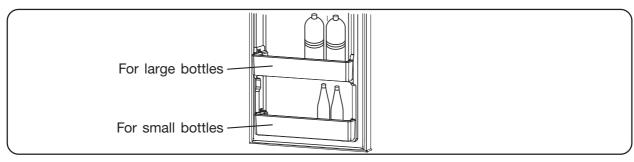
Free Pocket with Egg Tray

- Many eggs may be stored in the free pocket (Fig.1).
- You can even turn the whole egg tray over and store small items in the free pocket instead of eggs (Fig.2).



Bottle Pocket

- Space for large bottles is provided on the right.
- Bottles are stored at an angle for easy access.



Some types of commercial water cooler bottles may touch the shelf or foodstuffs when placed in the door pocket, preventing the door from closing firmly.

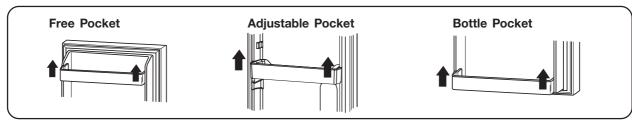
Adjustable Pocket (MR-FV32J only)

- The adjustable pocket may be adapted to the food stored in the pocket.
- Large containers such as beer bottles may be accommodated in the upper bottle pocket if the adjustable pocket is installed in the upper position.



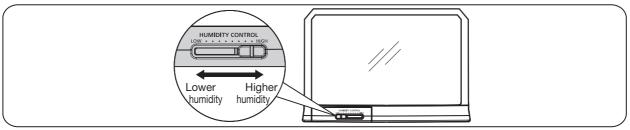
6. How to Remove the Pockets

- Remove the door racks as shown in the illustration in order to proceed with cleaning.
- This pocket may be removed by pushing it gently upwards.



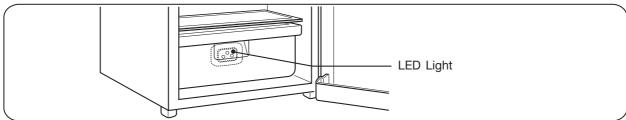
7. Vegetable Case

• Humidity of vegetable compartment can be adjusted.



8. LED Light in the Vegetable Case

- The LED light is installed inside the vegetable compartment. When exposed to visual light from the LED, vitamin C levels in green vegetables will be increased and they will be kept fresh for a longer period by photosynthesis.
- The orange light emitted by the LED is visible to the naked eye and capable of passing through transparent boxes or plastic bags. The LED light will operate all the time regardless of whether the door is open or closed.



Storage Advice

- Wrap fruit and vegetables in foil or plastic before storage in the refrigerator in order to keep them fresh.
- Preserve vegetables in transparent containers or wrap in transparent plastic. Place vegetables so that they are directly exposed to the LED light.
- Photosynthesis will occur and increase vitamin C levels as long as the vegetables are green (contain chlorophyll). Results depend on the freshness and type of vegetable.

CAUTION

- Using a sharp knife or screwdriver to pick or adjust the LED light may cause malfunction.
- Avoid disassembling, repairing, altering or adjusting the LED light, as this may cause damage and malfunction.
- In the event that the LED light is damaged or malfunctions, please refrain from adjusting or repairing it by yourself. Please contact the service center instead.

5. Maintenance

When performing maintenance, make absolutely sure that the power plug is first disconnected from the power outlet.Dip a soft cloth into cold or lukewarm water, wring it out well and wipe.

- If you do not clean the door gasket (especially the lower part) when it is dirty, the gasket will easily become damaged. Therefore, keep it clean at all times.
- Do not clean with cleanser, acids, benzine, thinner, boiling water, soap powder, chemical cloths or neutral detergent. These will damage the paint finish and external surfaces of your refrigerator.

CAUTION

Do not apply water directly onto the refrigerator. This may result in malfunction, power leakage or fire.



How to Replace the LED Light

• In the event that the LED light is damaged or malfunctions, please refrain from adjusting or repairing it by yourself. Please contact the service center instead.

6. What to do in these situations

When there's a power failure.

• Minimize opening/closing of doors and avoid putting in more food.

When not in use for a long time.

- Clean the lce cube box and lce tray, clean the interior after unplugging the refrigerator, and keep the door open for 2 - 3 days to let it get dry.
 - % If not allowed to dry properly, mold and odors can occur, or refrigerant (gas) may leak due to corrosion of the cooling unit.

When transporting.

- 1. Discard the water/ice from the Ice cube box and the Ice tray. Page 4
- 2. Use protective gear (protective gloves).
- 3. Lay towels under the water discharge outlet and under the back corners of the refrigerator, and place a container or tray on the floor that's about 3 cms high to catch water.
 ※ Towels prevent water from spilling on the floor and damage to the floor.
- 4. Slowly tilt the refrigerator back to an angle of over 30 degrees, discharge water of the evaporator tray through the water discharge outlet.
 - % Have 2 or more persons do this work because the unit is heavy. % Avoid having young children or those without confidence do this work.
 - Please seek advice from a moving company.
- 5. With more than 2 persons, calmly and slowly transport the unit by grasping the front side's lower section legs and the back side's upper section outer shell.
- Do not lay or load on its side (it will cause damage to the compressor.)

MARNING

Do not damage the refrigerant circuit, do not drive in screws, etc.

The unit uses a flammable refrigerant, so if the gas leaks out, there is the risk of ignition or an explosion.

7. Troubleshooting

When the refrigerator fails to operate

- Check for a power failure.
- · Check if the power cord is plugged into the power outlet.
- · Check that the fuse (or circuit-breaker) has not blown.

When the refrigerator is cooling excessively

- The temperature control dial may be set too high.
- If you place foodstuffs containing a lot of moisture directly under the cool air outlets, they will freeze easily. This does not indicate a malfunction.

When you hear a sound similar to flowing water

• The sound of flowing water is the flow of refrigerant (cooling gas). This does not indicate a malfunction.

When noise is produced by the fan grill of the refrigerator

• The noise produced by the fan grill will stop at a certain fixed temperature. The airflow cooling system inside the refrigerator is powered by the operation of the fan motor and fan grill.

When noise is produced while the refrigerator door is open

• When you open a door panel, plastic components switch swiftly between hot and cold, and this may produce noise. When the door is closed, the noise will remain until the difference in temperature is reduced.



Front side - lower

section lags

Back side - upper

section outer shell

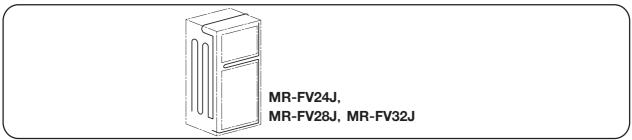
When the refrigerator is not cooling sufficiently

- The food may be packed too tightly together, which blocks the flow of cool air.
- You may have put hot or too many items into the refrigerator.
- The door may not have been closed properly.
- The door gasket may be damaged.
- The refrigerator may not be well-ventilated.
- There may be insufficient clearance between the refrigerator and the surfaces immediately beside and above.

When the front of the refrigerator cabinet heats up

The temperature control dial may not be properly set.

 In order to safeguard against condensation, there is an anti-condensation pipe which heats up the front of the cabinet when actuated. When the front of the cabinet is warm, this does not indicate a malfunction. The more often the door is opened and closed, the more often the anti-condensation pipe is actuated. It is also actuated immediately after the refrigerator has been installed. In other words, the front of the cabinet often heats up.



When condensation forms on the exterior of the refrigerator

Condensation may form on the exterior when humidity is high, such as during the wet season.
 This is comparable to condensation forming on the outside of a glass when chilled water is poured in; therefore, it does not indicate a failure. Wipe dry with a dry cloth.

When the power plug is disconnected and reconnected, and the compressor ceases to rotate

• When the power plug is disconnected from the power outlet and then immediately plugged in again, the compressor may not restart. Therefore, when unplugging the refrigerator, always wait at least 5 minutes before plugging it in again. If the compressor ceases to rotate completely, keep the refrigerator unplugged and wait at least 5 minutes before plugging it in again.

When the side panel of the cabinet heats up

 The side panel of the cabinet will heat up when the door is opened and closed frequently, when installing the unit and when the unit operates in summer in high temperatures. In such cases, do not touch the panel. This heat buildup is due to the dissipation of heat absorbed from inside the cabinet over the whole of the side panel and does not indicate something wrong with the unit.

CAUTION

1. This appliance is designed for use in ambient temperature listed below.

MODEL NAME	AMBIENT TEMPERATURE RANGE	CLIMATIC CLASS
MR-FV24J, FV28J, FV32J-P	16 °C ~ 43 °C	Т
MR-FV24J, FV28J, FV32J-ML	16 °C ~ 43 °C	Т
MR-FV24J, FV28J, FV32J-H	16 °C ~ 38 °C	ST

The internal temperatures could be affected by such factors as the location of the refrigerating appliance, ambient temperature and the frequency of door opening, and, if appropriate, a warning that the setting of any temperature control device might have to be varied to allow for these factors.

- 2. A rise in temperature of the frozen food during manual defrosting, maintenance or cleaning could shorten the storage life.
- 3. Food to be frozen is not to be placed in direct contact with food in storage and, if appropriate, that it could be necessary to reduce the quantity to be frozen if freezing every day is anticipated.
- 4. The electrical power failure for 1-2 hour will only slightly effect the inside temperature. However, open & close of the door results in the temperature loss. In case there is more than 24 hours electrical power failure, the food should be taken out from the fridge.
- 5. In case you are leaving or there is no food in the fridge for more than 3 weeks, The fridge should be unplugged and cleaned.

- WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- This appliance is designed for use in Singapore, Malaysia, Hong Kong only and cannot be used in any other country. No servicing is available outside of Singapore, Malaysia, Hong Kong.
- This refrigerator uses flammable foaming gas for insulation. Please deliver the unit to specialized industrial waste dealer when you do away it. Please follow the rules in your country.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Children should be supervised to ensure that the refrigerator is used properly.
- WARNING Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- WARNING Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- In case the refrigerant circuit is damaged, do not use any electric appliances or fire equipment nearby, and open all windows to provide good ventilation. Please also contact your local maintenance agent to follow up.
- The refrigerator contains flammable refrigerant (R600a: iso-butane).
- The refrigeration system behind and inside the refrigerator contains refrigerant. Do not allow any sharp objects to come into contact with the refrigeration system behind and inside the refrigerator.
- Do not block the area in the vicinity of the refrigerator
- The warning labels mentioned above shall be kept throughout the life cycle of the refrigerator. The user manual should be handed over to any person who would use or handle the refrigerator whenever the refrigerator would be transferred to another location and delivered to a recycling plant.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- This appliance is intended to be used in household application only.
- WARNING When positioning the appliance, ensure the supply cord is not trapped or damaged.
- WARNING Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- WARNING Just in case of having damaged the refrigerant circuit, do not use electric items or fire equipments near by, and open the window to ventilate the room. And contact the retail store at which you purchased it or the following MITSUBISHI SERVICE CENTRE.

- 警告:須確保產品外圍或嵌入結構的通風位置 没有阻礙物。
- ▲本產品是專供新加坡、馬來西亞、香港使用, 在任何其他國家不能使用。新加坡、馬來西亞、 香港以外國家和地區不提供服務。
- 這台冰箱使用易燃發泡氣體絕緣。 當你要廢棄它時,請將其送到專業的廢品處理 商那裡,請遵守您國家的規則。
- 該設備不適合青少年兒童或體弱者在沒有監督 的情況下使用。
- ▲ 小孩子應在看管下妥善使用冷藏櫃。
- 警告:切勿使用非由製造商建議的機械工具或 其他方法加速除霜過程。
- 警告:切勿在冷藏櫃的食物儲蓄格內使用任何 非由製造商建議的電器用具。
- 如製冷迴路遭到損壞,切勿使用鄰近的電力器 具或明火設備,以及打開窗戶讓空氣流通, 並請即時聯絡維修保養代理跟進。
- 本雪櫃含有易燃的冷媒 (R600a: 異丁烷)。
- 冰箱背面及内部的製冷系統包含製冷劑。 嚴禁以任何尖銳物件碰觸製冷系統。
- 切勿堵塞冷藏櫃周圍的空間。
- 上文所述的警告標籤必須永久貼於冷藏櫃上。 如冷藏櫃要搬到另一地方或回收,應把用戶使 用說明書交給將會使用或處理該冷藏櫃的人士。
- 切勿在本雪櫃內存放爆炸性物質(例如裝有可 燃推進劑的氣霧罐)。
- 此冷藏冷凍雪櫃只宜作爲一般家居冷藏及冷凍食物用。
 警告:放置冷藏室時,請確保電源線沒有被夾
- 住或損壞。 ■ 警告:請勿在冷藏室背面放置多個便攜式插座
- 書言:前勿仁冷藏堂肖面放直多個反漏式油座 或便攜式電源。
 ■ 整告:加里冷煁洞路已捐铅,不要使用周圍的
- 警告:如果冷煤迴路已損毀,不要使用周圍的 電器用品或滅火設備,並開啟窗戶以使室內空 氣流通。請聯絡您購買本雪櫃的商店或以下的 三菱服務中心。

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