MITSUBISHI ELECTRIC

Refrigerator-Freezer
OPERATING INSTRUCTIONS



SERIES MODEL

MR-HS421EX
MR-HGS421EX



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R600a

⚠ WARNING

Fire/Flammable refrigerant

- 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 photographs and illustrations contained in this manual are for the MR-HS421EX. While the appearance of the MR-HGS421EX are different from the MR-HS421EX, the operation is the same.
- The principal plastic components indicate the material name to facilitate recycling.
- 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.
- 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.

Cleaning Instruction - Important!

It is strongly recommended to use only lukewarm water and a soft cloth when cleaning. Cleaning agents can cause cracking to the plastic components of your refrigerator.

Safety Precautions

The following describes the safety precautions to follow in order to prevent injury to the user and others, as well as to prevent damage to property.

WARNING	Improper handling that can result in grave consequences such as death or serious injury.
CAUTION	Improper handling that can result in personal injury or damage to your house, household furnishings, etc.

■ Meaning of symbols.

Prohibited	**Follow the instructions**
Water prohibited	**Remove the power plug.**

WARNING

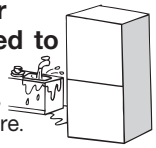
When Installing the Refrigerator

Water prohibited

Do not install the refrigerator outdoors or in places exposed to water or excessive humidity.

Water may cause insulation failure, resulting in an electric shock or fire.

➡ Page 6



Follow the instructions

Leave space around the refrigerator.

If refrigerant leaks, it may accumulate and catch fire or explode. ➡ Page 6

Prepare for earthquakes by taking fall prevention measures

Otherwise an injury may result. ➡ Page 7

Power and Power Plug

Prohibited

Do not crush the power plug with the rear of the refrigerator.

Do not damage the power cord.

Pressing, folding, bundling, or placing heavy objects on the power cord may cause an electric shock or fire.



Do not use damaged cords or plugs, or loose sockets.

Doing so may cause an electric shock or fire.

Do not pull the cord when unplugging the power plug.

The cord may be damaged, resulting in an electric shock or fire.

Do not plug in or out the power plug with wet hands.

Doing so may cause an electric shock.

Follow the instructions

Use a dedicated outlet for the power supply that meets the rating specified on the rating label. (The rating label is located on the refrigerator compartment.)

Using extension cords and plugging too many leads into a single socket can cause heat build-up or fire. ➡ Page 6

Insert the power plug with the cord facing down, and fully insert the prongs.

Inserting the plug upside-down places stress on the cord and may cause heat generation or fire.



If the power cord is damaged, contact MITSUBISHI ELECTRIC SERVICE CENTRE or its service agent for the replacement.

If the power cord is damaged, purchase a new cord from MITSUBISHI ELECTRIC SERVICE CENTRE or its service agent. Make sure that the power cord is designed for this model.

Power and Power Plug

Follow the instructions

Remove dust periodically from the power plug.

Dust may cause insulation failure, resulting in fire.



Remove plug

Remove the power plug before cleaning.

Otherwise an electric shock or injury may result.

When Using

Prohibited

Do not damage or drive screws into the refrigerator's refrigerant circuit (pipes).

Because flammable refrigerant is used, this may result in fire or an explosion.

Do not use electrical appliances inside the refrigerator.

The refrigerant gas leaking into the compartment with sparks from an electrical contact may cause fire and explosion.

Do not place volatile, in flammable objects inside the refrigerator.

Benzene, cosmetics and hair dressing products may catch fire or explode.

Do not store chemicals or scientific specimens in the refrigerator.

Substances that require strict control must not be stored in household refrigerators.

Do not place objects on top of the refrigerator.

Objects may fall when the doors are opened or closed and cause injury.



Do not hang from the door or handle.
Do not climb on an open door.
Do not apply a heavy load.

The refrigerator may tip over and cause injury.



Do not apply excessive force to glass doors or shelves.

An impact can cause the glass to crack and mayresult in injury.

Do not touch the mechanical area of the automatic ice maker (area above the ice storage box).

Doing so may result in injury.

Do not use flammable sprays near the refrigerator.

Sparks from an electrical contact may cause an ignition and fire.

If an abnormality or malfunction occurs, stop operation immediately and contact the retail store where you purchased the refrigerator or MITSUBISHI ELECTRIC SERVICE CENTRE or its service agent.

⚠ WARNING

When Using

Prohibited

Do not use in a shed or garage.
Small animals may damage the electrical wiring and cause an electric shock or fire.

Water prohibited

Do not place water containers on top of the refrigerator.
Exposing electrical parts to water may cause an electric shock or fire.

Do not wash with water or spill soup or juice onto the refrigerator.
Water or other liquid may cause an electric shock or fire. Wipe off any liquid immediately.

Follow the instructions

If you notice a gas leak, do not touch the refrigerator. Open windows to ventilate.
Sparks from an electrical contact may cause an explosion or fire.

When the doors are opened or closed, beware not to hit any furniture.
The door or furniture may be damaged and cause injury.

Malfunctions and Long-Term Storage

Prohibited

Do not disassemble, repair, or alter. Do not use while parts are damaged.
Doing so may cause injury, electric shock or fire.

Follow the instructions

If the refrigerant circuit (pipe) is damaged, do not touch the refrigerator and avoid using flames. Open windows to ventilate.
If the refrigerant circuit is damaged, contact the retail store.
Failing to do so may cause a fire.

When not using the refrigerator for a long time, unplug the power plug and open the doors to dry the refrigerator.
If the refrigerator is not dried sufficiently, refrigerant may leak due to condenser corrosion and cause a fire or explosion.

Remove plug

If an abnormality occurs (such as a burning odor), unplug the power plug and stop refrigerator operation.
Continuing to operate with an abnormality may cause an electric shock or fire.

When Recycling

Follow the instructions

For storing the refrigerator, make sure to pull out and remove the door packing.
There is a possibility of a child getting trapped in the refrigerator during storage.

Contact the retail store or municipal government for details about correct refrigerator disposal.
Improper disposal may cause refrigerant leaks, resulting in a fire or explosion if exposed to a flame.

⚠ CAUTION

When Installing/Carrying the Refrigerator

Follow the instructions

Anchor the refrigerator to a strong and level floor by adjusting the adjustable supports.
Otherwise, the refrigerator may move and cause injury. ➡ Pages 6 - 7

Use the carrying handles or the parts instructed when carrying the refrigerator.
Holding other parts may result in injury.
➡ Page 19

When moving the refrigerator, lay a protective sheet on the floor and move the refrigerator slowly.
Failing to do so may result in floor damage or injury.



When Using

Prohibited

Do not pack in excessive amounts of food. Do not pull the shelves with excessive force.
Food may fall and cause an injury.

Do not place glass bottles in the freezer compartment and Select case.
The bottle may break if the liquid inside freezes, causing an injury.

Do not put your hands or feet under the refrigerator.
The steel plates or other parts may cause injury.



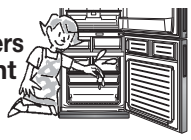
Do not eat food that is discolored or has a bad odor.
It may result in food poisoning or illness.

Observe the following when opening and closing the doors.
- Do not open or close the doors when another person is touching the refrigerator.
- Do not put your fingers on the top edge of a drawer-type door while closing it.
- Do not open or close the doors with excessive force. (Food may fall out.)
- Be careful not to trap your fingers or any other part of your body.
- Be careful not to hit a part of your body.
- Do not trap your feet with the bottom door. (Danger of your toes caught by the door.)

Failing to follow the precautions above may result in injury.



Do not touch food or containers in the freezer compartment with wet hands.
It may cause a cold injury.



Follow the instructions

Be careful when attaching and removing the glass shelf and pocket.
If it is attached improperly, it could come loose and fall, causing injury. ➡ Page 17

Be very careful when crushing ice that has joined together.
There is a risk of injury. ➡ Page 13

Safety Precautions (Continued)

- If the power cord is damaged, contact MITSUBISHI ELECTRIC SERVICE CENTRE or its service agent for the replacement.
- WARNING: fill with potable water only.
- For Installation, Handling & Servicing of the appliance, please refer to section "From Installation to operation", "How to Use the Operational Panel" & "Cleaning".
- WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- WARNING: Do not damage the refrigerant circuit.
- WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Contact the retail store or municipal government for details about correct refrigerator disposal.
- 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.
- 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.

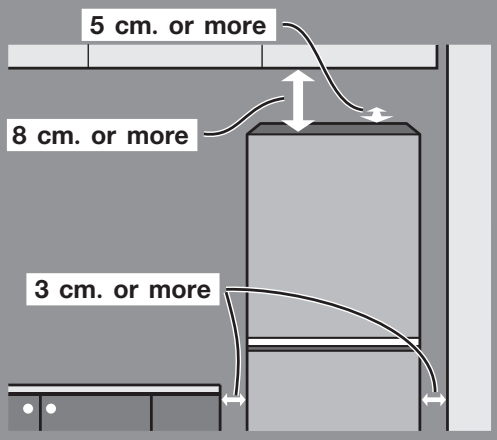
R600a Refrigerant Warning

- This appliance contains a small quantity of R600a refrigerant which is flammable.
- During transportation and installation, ensure that the tubing of the refrigerant circuit is not damaged.
- Leaking refrigerant can ignite and may damage the eyes.
- In the event any damage does occur, avoid exposure to open fires and any device which creates a spark. Disconnect the appliance from the mains power.
- Thoroughly ventilate the room in which the appliance is located for several minutes.
- Notify MITSUBISHI ELECTRIC SERVICE CENTRE or its service agent for necessary action and advice.
- The room for installing the appliance must be at least 1 cubic metre per 8 grams of refrigerant.
  The refrigerant quantity contained in this appliance is noted on the Rating Label of the appliance.
- If your Mitsubishi Electric Refrigerator should require service, please contact MITSUBISHI ELECTRIC SERVICE CENTRE or its service agent.

NOTE: THIS REFRIGERATOR CONTAINS FLAMMABLE HYDROCARBON REFRIGERANT. ONLY SUITABLY QUALIFIED TECHNICIANS SHOULD ATTEMPT ANY SERVICE TO THE REFRIGERATION CIRCUIT OF THIS APPLIANCE. SOME JURISDICTIONS REQUIRE A SPECIFIC HYDROCARBON HANDLING LICENCE FOR SERVICING. PLEASE CONTACT MITSUBISHI ELECTRIC SERVICE CENTRE OR ITS SERVICE AGENT FOR ASSISTANCE.

From Installation to Operation

❶ Installation



Install the refrigerator in the following kind of location.

- **A place with good ventilation and not exposed to direct sunlight or hot air**
  To keep good cooling performance and reduce power costs.
- **A place with low humidity**
  To prevent it from rusting.
- **A strong and level place**
  To prevent vibration, noise, and ajar or tilting doors.
  To prevent deformation or discoloration of the floor materials due to the weight or heat.
  *If the floor materials are carpets, tatami mats, wooden floors, PVC floors, etc. and may deform or discolor, lay a strong plate or board underneath.
- **A place away from other devices**
  To prevent noise or video interference with devices such as televisions.
- **There should be at least 3 cm of space on both the left and right sides, at least 8 cm of space above and at least 5 cm of space back.**
  To allow heat to dissipate from the top, the back and the sides of the refrigerator.



Water prohibited

Do not install the refrigerator outdoors or in places exposed to water or excessive humidity.
Water may cause insulation failure, resulting in an electric shock or fire.



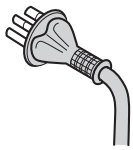
Follow the instructions

Leave space around the refrigerator.
If refrigerant leaks, it may accumulate and catch fire or explode.

❷ Connect the Power Supply

* Connect power supply soon after installing the refrigerator





Turn on the power of the refrigerator as soon as possible.
The refrigerator will not be damaged even if you turn on the power immediately after the installation.

- **Use a dedicated outlet**
  Use a dedicated outlet for the power supply that meets the rating specified on the rating label. (The rating label is located on the refrigerator compartment.)

  ⚠ WARNING
  Using outlets that do not meet the specified rating or plugging in too many leads into a single socket can cause heat buildup or fire.

- **The refrigerator will not be damaged even if the power is supplied soon after installation. It takes a while for the refrigerator to cool, therefore supply power as soon as possible.**
- **Electrical Connections**
  Make sure this unit is properly grounded.
  - The refrigerator should always be plugged into its dedicated electrical outlet. This will provide the best performance and prevent electrical circuits from being overloaded and causing a fire. Make sure that the electrical outlet provides the proper voltage. Extension cords are not recommended.
  - If your refrigerator is installed in a high humidity location, not only ground connection but also installation of the earth leakage breaker is recommended.
  - If the power cord is damaged, purchase a new cord from MITSUBISHI ELECTRIC SERVICE CENTRE. Make sure that the power cord is designed for this model.
  - If the power cord is damaged, contact MITSUBISHI ELECTRIC SERVICE CENTRE for the replacement, in order to avoid a hazard.

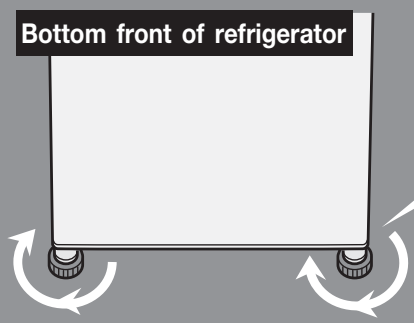
How to remove the energy label

- Remove the energy label carefully. A glue residue may remain, particularly if the label has been in place for a long period of time.
- Apply either Eucalyptus or Tea Tree oil directly on any residue.
- Do not allow the oil to run or drip onto plastic parts as it may cause the plastic to degrade and potentially crack over time.
- Allow the oil to sit for approximately 1-2 minutes, or until the glue residue has softened.
- Wipe off with a damp cloth.
- If any residue remains, repeat the above process.
- Rinse with clear water.
- Dry thoroughly.

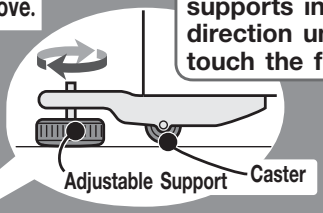
❸ Adjustment and Anchoring (To prevent vibration, noise, movement, and doors left ajar)

Turn the adjustable supports to the floor and anchor them so that the refrigerator will not move.

Bottom front of refrigerator



Turn the adjustable supports in the arrow direction until they touch the floor.

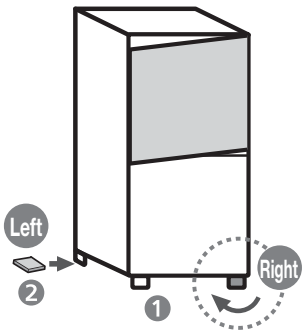


Follow the instructions

Anchor the refrigerator to a strong and level floor by adjusting the adjustable supports.
Otherwise, the refrigerator may move and cause injury.

● Adjust the tilt with the adjustable supports.

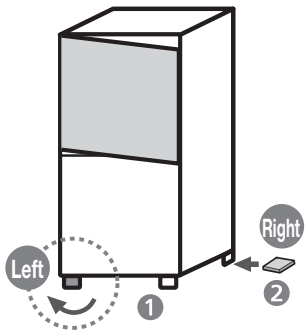
When the left side of the door tilts down



❶Turn the right adjustable support in the direction of the arrow to lower the refrigerator.

❷If the door is still tilted after adjusting the adjustable support, place a strong board*1 under the adjustable support on the left rear side to make it level.

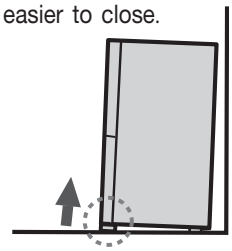
When the right side of the door tilts down



❶Turn the left adjustable support in the direction of the arrow to lower the refrigerator.

❷If the door is still tilted after adjusting the adjustable support, place a strong board*1 under the adjustable support on the right rear side to make it level.

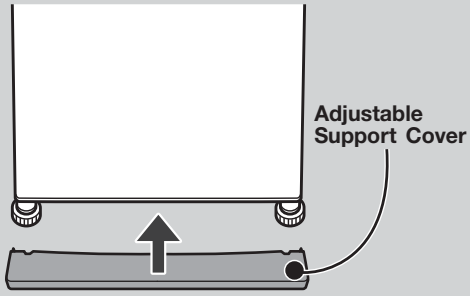
Adjust the supports to make the refrigerator level. If the front of the refrigerator is slightly raised, the doors are easier to close.



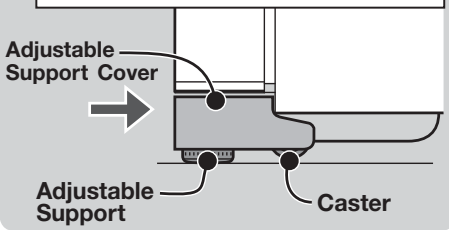
A few days after installation, the floor may sink due to the refrigerator's weight. Readjust the tilt with the adjustable supports.
*1 Normally, use a board with a thickness of 2 to 3 mm.

● After adjustment, attach the adjustable support cover.

(The adjustable support cover is stored inside the refrigerator compartment at shipment)



Fully insert the adjustable support cover horizontally until it touches the rear side.



Start using

● It takes time to cool down.

- Put in warm food items or ice cream after the refrigerator has been adequately cooled down.
- Keep opening and closing of the door to a minimum, and open in a short time.
- In the summer, it will take approx. 24 hours to make the first batch of ice.

● It may smell of plastic.

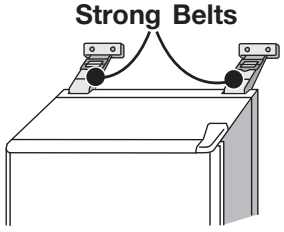
- The smell will gradually disappear. Please ensure room is adequately ventilated to remove odors.

● When the refrigerator is in cooling mode the following may occur (also occurs during summer).

- The side will be hot allowing the outside of the refrigerator to cool.
- Operating noise will be loud due to the compressor being in high-speed operation.

Prepare for Earthquakes

● It is recommended to pass 2 strong belts through the handles on the top rear of the refrigerator and anchor them to a strong location, such as a wall or post.



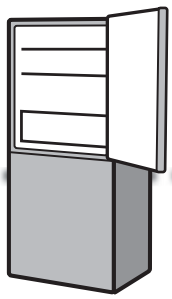
Prohibited

Do not damage or drive screws into the refrigerator's refrigerant circuit (pipes).
Because flammable refrigerant is used, this may result in fire or an explosion.

Use in hot spring and geothermal areas

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

How to Use the Operation Panel



Touching [▦] will cause the operable icons to light up.

To save power, all displays other than [▦] are usually turned off (it turns off if there is no operation after 30 seconds).

When operating, be sure to touch the buttons with your fingers.

Child Safety Lock ➡ Page 14



Touch an icon to display its setting details.

▦ If you touch the operation panel, icons will be displayed.
You can select the setting that you prefer.

ICE Ice making
To start or stop ice making.

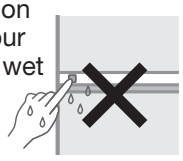
Temperature adjustment in refrigerator compartment
To change compartment temperature.

Temperature adjustment in freezer compartment
To change compartment temperature.

Temperature adjustment in Select case
To change compartment temperature.

In the following cases, the display may not change even when you touch it.

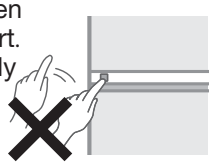
The operation panel or your fingers are wet or dirty.



You are wearing gloves or have sticking plaster on your finger.

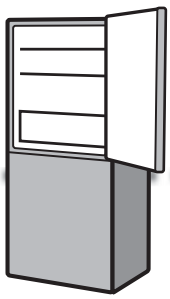


The interval between touches is too short. (Pressing repeatedly may cause a misdetection)



- Wipe the moisture and dirt off your fingers.
  Perform operations with your hands. After you have touched an icon, confirm that the display has changed before touching again.
- The response may vary, depending on the surrounding temperature, humidity, the health condition of the person who operates it, and the operating condition of neighboring electric appliances.

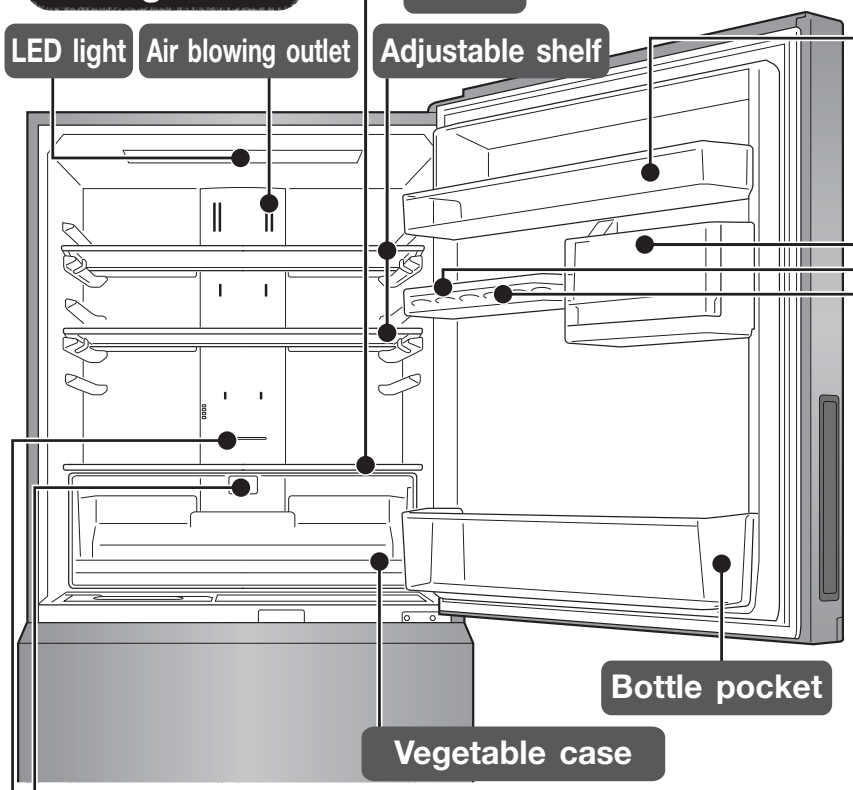
Refrigerator / Vegetable case



Insert drinks or immediately used foods in refrigerator compartment.
Vegetable case can store fruit, vegetables and drinks.
If you wrap fruit and vegetables, they will stay fresh longer.

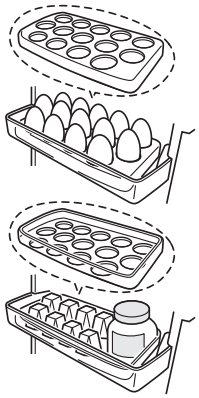
Refrigerator

How to remove shelf, pocket, case ➡ Page 17



Free egg tray

It's an egg case and a small items tray. By turning the egg case upside-down, it converts into a small items tray.



※ Illustration of the MR-HS421EX

LED light in the vegetable case

- The LED light is installed inside the vegetable compartment. The green vegetables photosynthesis will be promoted by this light.
- 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.

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.

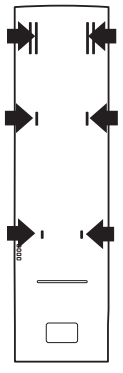
LED Light (Deodorant)

- Bacteria and odors are removed with the effect of the blue LED light installed on the back of the refrigerator compartment.

Air blowing outlet

Food items with a lot of moisture may freeze if put near air blowing outlet.

(Especially canned beer or carbonated drink, there is a risk of rupture when freezing.)



To prevent odors?

We recommend you wrap or store the foods in airtight containers.

Foods with strong odor
Kimchi, dumplings, sardine (seafood), beef, etc.

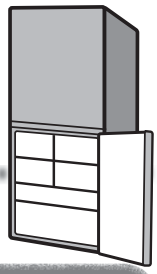


Foods that easy to absorb odor
Rice, potato salad, etc.

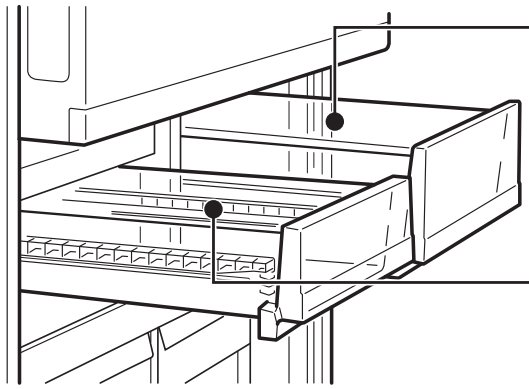


Door alarm will inform when the door is left open.
➡ Page 20

Chilled case / Select case



Chilled case and Select case can store meats, fish, dairy products, processed foods,etc. at a lower temperature than the refrigerator compartment.



Select case

- The temperature in Select case can be switched between "Soft-Freezing" and "Chilling*".
  At the time of purchase, Select case is set to "Soft-Freezing". When setting "Chilling", please make the settings on page 14. ➡ Page 14
  * Chilling mode is cooling to a low temperature in order to preserve the freshness of foods stored for long periods.

Chilled case

- Processed food such as sausage, ham and dairy products can be preserved.
- Do not store food that is easily frozen.
- The temperature cannot be adjusted.

Since food can be easily cut even when frozen, it can be cooked without thawing*1.

Meat

Ground meat / Blocks of meat
It can be cut with a kitchen knife easily without thawing. Because it can be cut while frozen, whatever you will not use can be returned to the sliding case. Food can be used without being wasteful.



Thinly sliced meat / Bacon
You can easily separate them one by one and slice them finely without thawing*2. They will thaw while basting.



Fish

Cutlets
You can easily separate them*2. No need for dividing them by the amount per serving before freezing. Purchased packs can be frozen as it is. Bake them at low heat without thawing and there is no trouble.



Sauces

Meat sauce
If there is sauce left over, place it in a storage container and use "Soft Freezing". Scoop out only the necessary amount and dress the pasta with it to easily make a meat sauce pasta*2.



*1 Depending on the size or type of the food and how it is frozen, some time for defrosting may be necessary.
*2 Soft frozen food cannot be separated immediately after being take out.
*3 Depending on the type of sauce with a lot of water, it may not be possible to scoop it with a spoon. Spread the wrap in a storage container, pour it in, take it out with holding the wrap after soft frozen, and cut the amount you need with a kitchen knife.

Foods Unsuitable for Soft Freezing

- **Foods that is not suit to be frozen (Milk, raw egg, vegetable for raw eating, potato, etc.)**
  Preservation of the pre-freezing texture and quality cannot be guaranteed.



- **Groceries like frozen foods and ice cream.**



Freezer Compartment ➡ **Select Case (Soft-Freezing setting)**

This is recommended for when you would like to consume food without thawing.
Food that has been moved to Select case (set to Soft-Freezing) can be cut to just the portions necessary, so food is not wasted. Although this differs depending on the size of the food, most food can be cut in about 2 to 5 hours.

* Use food within a short period of time (about 1 to 2 weeks).



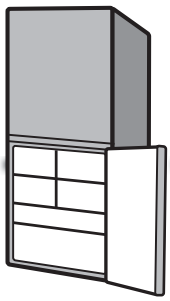
Tips

- When you have frozen a food too hard, leave it at room temperature for about 5 to 15 minutes. it will become easy to cut.
- If temperature setting of food is switched from freezing to Soft-Freezing, the food should be consumed as soon as possible (within 1 to 2 weeks).
- Even if fruits is thawed, it does not return to its original condition. Eat frozen fruit without thawing it.
- If fruits is stored for more than a week with Soft-Freezing, its taste may change. We recommend eating within 2 to 3 days.

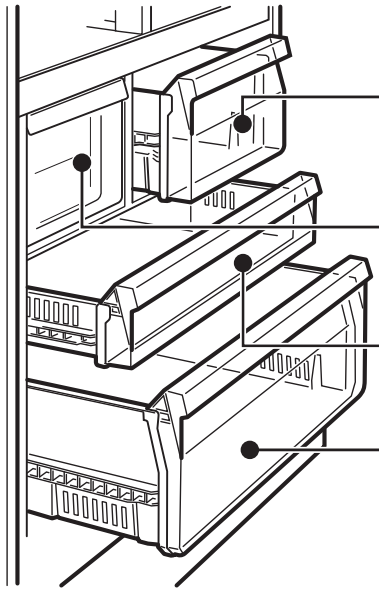
Notice

- Because food is frozen at about -7℃, it may take about 24 hours for the food to freeze completely.
- The degree of freezing or freezer burn may vary depending on the food type, cooking method, storage arrangement (stacking, storage location), the amount of food, and the storage time.
- Depending on how much sugar, salt, moisture, or fat the food contains, freezing may not be possible or the food may harden when frozen (cannot be cut immediately with a kitchen knife).
- Food that has already thawed once is unsuitable for soft freezing. The texture and quality cannot be guaranteed.

Freezer compartment



You can storage frozen food, ice cream, bread, meat, fish, etc.



Freezing Case (small)

Ice Storage Box

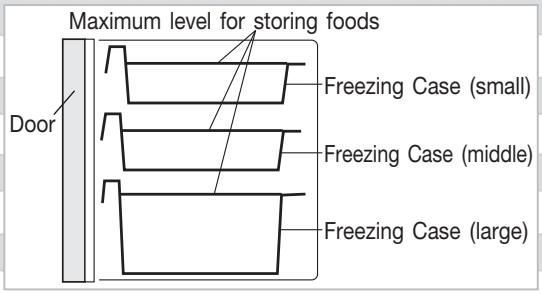
Freezing Case (middle)

Freezing Case (large)

Door alarm will inform when the door is left open.
➡ Page 20

Notice

Do not stack food higher than the freezing case.



- When closing the door, food can get in the way causing the door not to close properly. This can cause frost to form on the inside, or improper freezing, and will cause a malfunction.
- This may damage food and the freezing case, as well as the automatic ice-maker.

Do not store ice in Freezing Case (small / middle / large).

- Freezing cases have some holes on their side wall. If the ice melts due to a power outage, water may leak from the holes.

Successfully Saving Power

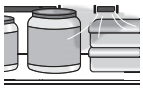
Open and close doors as quickly as possible

If doors are opened frequently or are kept open for a long time, cold air escapes and more power is consumed.



Do not cover up air outlets or air inlets

Blocking the flow of cold air can make it difficult for food in the refrigerator to cool down.
The temperature around the air outlets can drop, making foods with significant moisture freeze easily.



Don't cram too much food into the fridge

If too much food is crammed into the refrigerator, the flow of cold air can deteriorate, making it difficult for food to cool down.



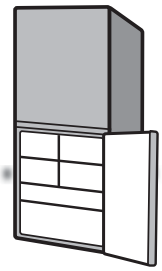
Leave space

Cool hot foods before placing them inside

Placing hot foods in the refrigerator will lower the temperature, also affecting the freshness of other foods. (excluding Hot Freezing)



Automatic Ice-Maker

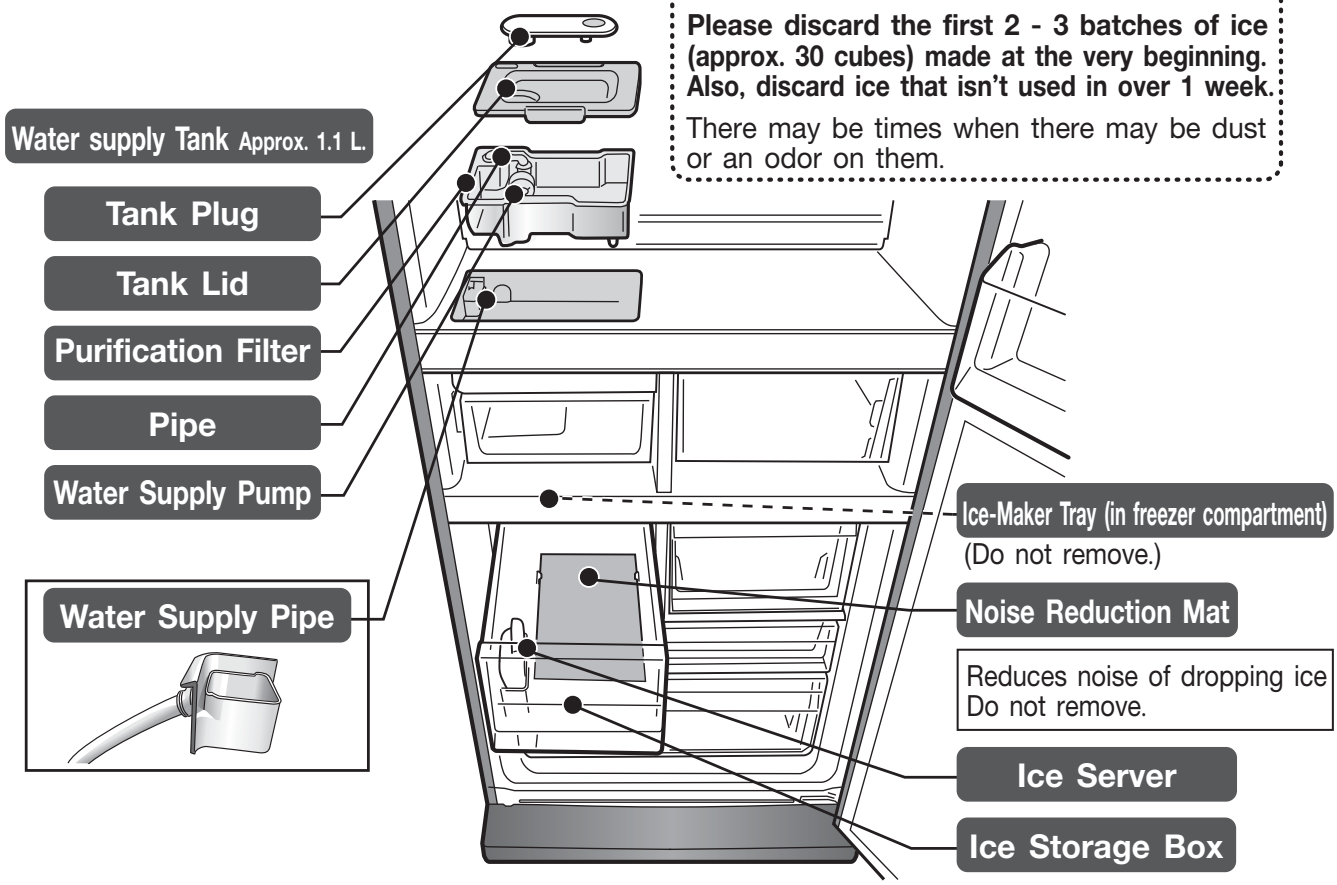


You can make ice cubes by puting water in the water supply tank of the refrigerator compartment. Please do periodically maintain to make a good ice cube by cleaning. Please drain the water in the water supply tank when you do not make ice.

About the first batches of ice.

Please discard the first 2 - 3 batches of ice (approx. 30 cubes) made at the very beginning. Also, discard ice that isn't used in over 1 week.

There may be times when there may be dust or an odor on them.

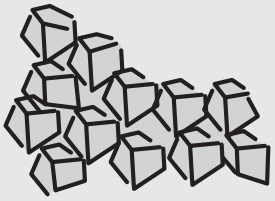


Water to Use for Your Auto Ice-Maker.

We recommend that you use water such as tap water which contains less bacteria.

If you use mineral water or water from a filtering machine, please increase the number of cleaning times, and be sure to clean it thoroughly. ➡ Page 18

How to make ice



⚠ WARNING

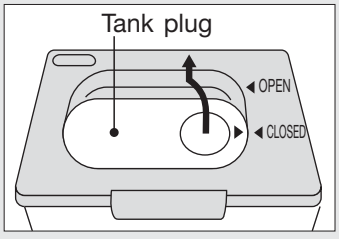
Fill with potable water only.

1 **Take out the water supply tank, remove the tank plug, and fill with water.**



How to remove the tank plug.

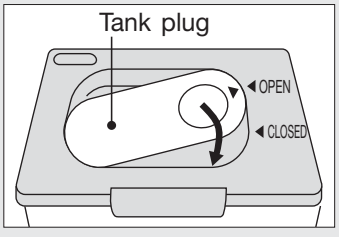
Turn to the "Open" position and lift off.



2 **Put the tank plug on the water supply tank, carry carefully without tilting it, and return to its original position.**

- When carrying the water supply tank, make sure that the "▶" symbol is in the closed position.
- If the tank is tilted, water will spill out.
- If the water supply tank is not properly in position, ice cannot be made. Make sure that there is nothing blocking the tank receiving area.

How to put in the tank plug.

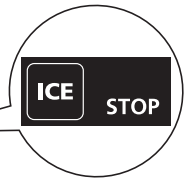


To stop ice-making

① Touch [ ] on the operation panel

② Touch [ICE]

STOP will light up
The setting is finished



To restart ice-making

① Touch [ ] on the operation panel

② Touch [ICE]

MAKE will light up
The setting is finished

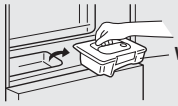


When you will not make ice for a long time ※Also do this when moving or transporting unit.

Empty the ice-making tray by taking out the ice or by forcing water to go into the ice storage box.

1 **Take out the water supply tank, close the freezer door.**

1

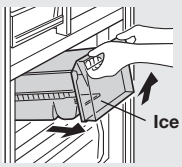


2 **Press [ICE] for about 5 seconds.** (Press until it makes a beeping sound.)

- [MAKE] and [STOP] will blink for about 1 minute.(It drops down the ice-making tray's water or ice.)
- When the light stops blinking, it will return to the previous indication.

3 **Take out the ice storage box. And discard water or ice.**

3



4 **Stop making ice.**

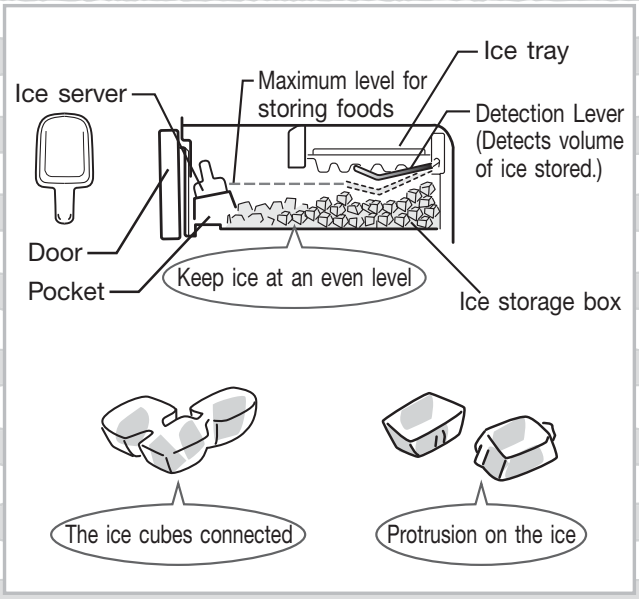
- If [MAKE] light is on, to do ice-making stop proceedure and check to confirm that [STOP] light is on.

5 **Wash with water, dry, and put back in place: the water supply tank (water supply pump, pipe, water filter), ice storage box and the noise reduction mat.** ➡ Page 18
To restart ice-making, to do ice-making restart proceedure and check to confirm that [MAKE] light is on.

5 **Put the water supply tank back in place.**



Please note



- Do not put the food items in ice storage box when making ice.
- Please do not store anything above the level on the side of the ice storage box. (The door may half-open and it may cause failure/damage).
- Do not insert any drinks such as hot water, juice, tea, soft drink, etc. other than water in water supply tank (heatproof temperature 60°C). It may cause failure.
- Ice-making will stop when the amount of storage ice reaches maximum storage level. Please insert ice server in the pocket of ice storage box as the left figure.
- Please gently close the door of freezing compartment. Ice cube may get dirty.
- Do not insert water over full water mark in water supply tank. Water channel in the ice tray may freeze, ice cube may connect together, and convex may come out, if insert water over the mark or pour water by kettle.

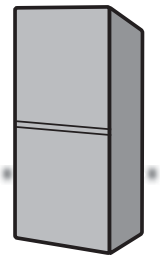
About the ice

- Ice made with water containing a lot of mineral substances such as mineral water, can cause to ice to form with a white sediment (white crystals). These are only mineral substances that have become crystallized. It is harmless.
- If ice is stored for a long period of time, the ice cubes may cling together or become smaller. (This is known as the phenomenon of sublimation.)
- Ice-making may take longer with frequent opening/closing of the door, or depending on the ambient temperature.

Follow the instructions

Be very careful when crushing ice that has joined together.
There is a risk of injury.

Performing Temperature Adjustment

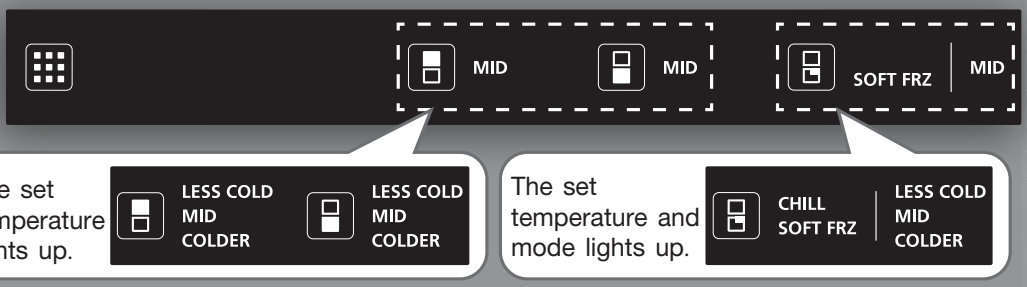


The temperature of each compartment can be adjusted.
Use the refrigerator and freezer to "MID" usually.

Temperature Adjustment

At the time of purchase, the settings are as follows.

Refrigerator and Freezer Compartments
……"MID"



1 Touch on the operation panel.

2 Repeatedly touch the compartment button (or or) that you want to set.
The display changes in the order shown in the below each time the button is touched.

Refrigerator/Freezer Compartment Temperature

The display changes each time or is touched and the temperature can be set to 5 different levels.

Compartment / Operation Panel Display	REFRIGERATOR	FREEZER
LESS COLD	About 6°C	About -16°C
LESS COLD MID	About 5°C	About -17°C
MID	About 3°C	About -19°C
MID COLDER	About 1°C	About -21°C
COLDER	About 0°C	About -22°C

High / Average / Low

Select case Temperature

The display changes each time is touched and the temperature can be set to 4 different levels.

Compartment / Operation Panel Display	SELECT CASE
CHILL	About 0°C
LESS COLD	About -5°C
SOFT FRZ / MID	About -7°C
COLDER	About -9°C

Notice

- The temperatures described here are measured in the lower centre of the refrigerator after the temperature has stabilized when the surrounding temperature is 30°C and the doors are closed without any food inside. The temperature fiuctuates with factors such as food storage conditions and how often the doors are opened and closed.
- Before and after defrosting, the temperature inside the refrigerator may drop or rise temporarily.
- When food freezes in the refrigerator compartment or vegetable case, set the refrigerator temperature setting to MID - LESS COLD.

To Prevent Accidental Button Operation (Child Safety Lock)

Locks the operation panel to prevent accidental icon operation by children.

❶ Touch for about 5 seconds or more when the door is closed (until the buzzer sounds).

lights up when the setting is finished.

- Setting cannot be changed during Child Safety Lock.

To Cancel

❶ Again, touch for about 5 seconds or more when the door is closed (until the buzzer sounds).

goes off when the setting is cancelled.

Other Issues (Temperature Fine Adjustment Mode, When DEMO Lights Up)

To Control the Temperature More Precisely (Temperature Fine Adjustment Mode)

The temperature can be set to 11(6 for Select case) different levels for the refrigerator compartment, freezer compartment and Select case.

- When temperature fine adjustment mode is set, displayed letters blinks about every 10 seconds.

Setting the Temperature Fine Adjustment Mode

❶ Touch  to light up icons.

❷ Touch  for at least 5 seconds (until the buzzer sounds).

To Cancel

The same operation as above.

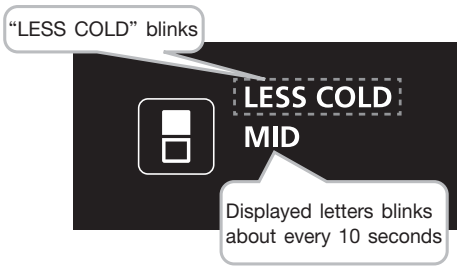
- If the setting is reset, it will be cancelled.

Performing the Temperature Fine Adjustment

❶ Touch  to light up icons.

❷ Repeatedly touch the compartment button ( or  or ) you would like to set to temperature fine adjustment mode.

Display Example: When the refrigerator compartment is set to Temperature Setting 5.



Refrigerator and freezer compartment

	Temperature setting
1	LESS COLD
2	LESS COLD MID
3	LESS COLD COLDER
4	LESS COLD MID
5	LESS COLD MID
6	MID
7	MID COLDER
8	MID COLDER
9	LESS COLD COLDER
10	MID COLDER
11	COLDER

* [ ] represents a blinking display.

Select case

	Temperature setting	
1	CHILL	
2	SOFT FRZ	LESS COLD
3		LESS COLD MID
4		MID
5		MID COLDER
6		COLDER

When DEMO Lights Up

When DEMO lights up, the refrigerator is in demonstration mode. The refrigerator does not cool in this mode. Contact the retail store where you purchased the refrigerator, or cancel the demonstration operation with the following procedure.

To Cancel

❶ Keep the doors of the freezer compartment open.

❷ Light up the icons and press ICE ,  and  at the same time for at least 5 seconds.

❸ Check that DEMO is turned off.

- The demonstration mode was not cancelled if it lights up.

Cleaning Removing and Cleaning the Parts

Remove plug	**Remove the power plug before cleaning.** Otherwise an electric shock or injury may result.
Prohibited	**Do not disassemble, repair, or alter. Do not use while parts are damaged.** Doing so may cause injury, electric shock, or fire.

* After cleaning, wait at least 10 minutes before reinserting the power plug into the socket. If you insert the plug immediately, there will be an overload on the machine.

How to Clean Q&A



Q. What should I do if I notice the refrigerator is dirty?
A. Before the dirt becomes hard, wipe it off.

- Wipe with a soft cloth soaked in warm water.
- For stubborn dirt, wipe using water mixed with a weak concentration of kitchen detergent (neutral).
- In particular, oil may lead to cracks and citrus fruit juices to discoloration, so be sure to wipe them off right away.
- If dirty door packing is ignored, it can be damaged and cause cold air to leak. After wiping with a soft wet cloth, if there is still moisture, finish wiping with a dry cloth.
- If the clean tray is soaked in water for a while to clean it or if the tray is rubbed with force, the coating will peel off. Wipe the tray with a soft cloth soaked in warm water.

Q. Can the shelves, cases, and pockets be removed?
A. For information on which parts can be removed,
refer to➡ Page 17.

Q. What should I do with doors and shelves made of glass?
A. Wipe with a soft cloth soaked in warm water.

- If a door or shelf made of glass has cracked or shattered, do not touch the broken glass, but contact the retail store where you purchased the refrigerator immediately.
- Magnets will not adhere to a glass door.
- Wipe any leftover moisture with a dry cloth.

Tips

Do not use the following items.

Alkaline or low alkaline kitchen detergents, undiluted neutral kitchen detergents, scouring powder, powdered soap, alcohol, benzene, thinner, petroleum, acid, scrubbers, boiling water, or similar substances.

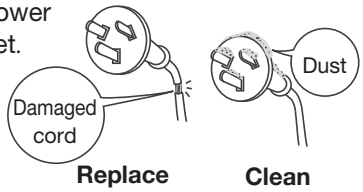
Doing so may cause the plastic parts (such as the door handles, caps, cases, etc.) to split, or damage or rust the glass doors, shelves, or painted surfaces.



Power Plug

For safety, clean the power plug and cord periodically.

1. Remove the power plug from the socket.
2. Check for damage or abnormal heating on the power plug and cord.
3. Remove any dust from the power plug and surrounding area, and then wipe with a dry cloth.
4. Firmly insert the power plug into the socket.

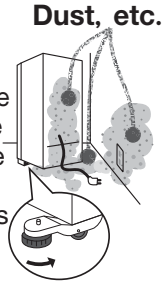


Follow the instructions	**Remove dust periodically from the power plug.** Dust may cause insulation failure, resulting in fire.

Refrigerator Rear Side and Floor

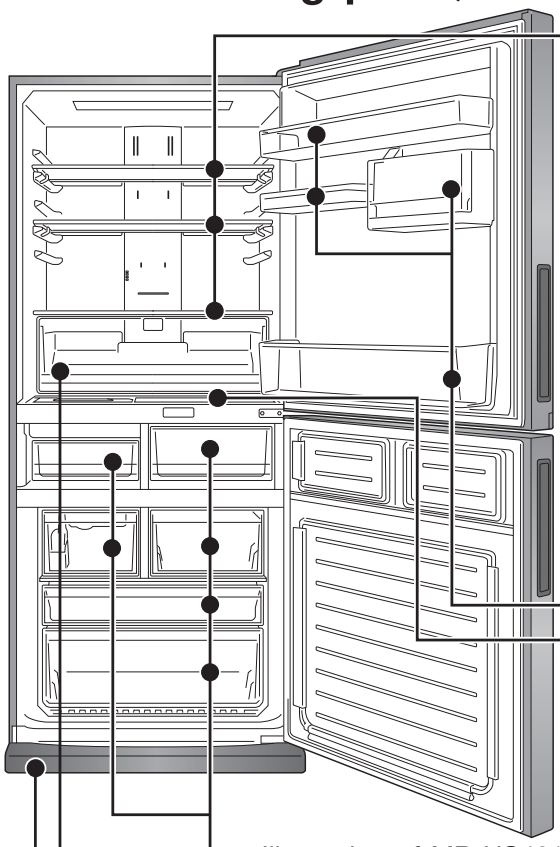
This is a place where, because of the convection current of the air, dust tends to gather and can easily turn black. Also for the purpose of saving energy, clean periodically.

1. Remove the adjustable support cover.
2. Turn the adjustable supports to raise them from the floor, and pull out the refrigerator.
   We recommend laying out protective material on the floor to prevent the floor from being damaged. Also, be careful not to injure yourself.
3. Remove dust from the refrigerator's rear side, the wall, and floor, and wipe off all dirt.
4. Check for water dripping on the floor.



Prohibited	**Do not put your hands under the refrigerator.** It may cause injury.

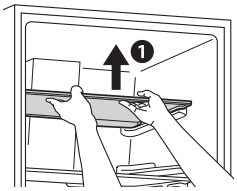
When attaching parts, use the backward procedures of removal.

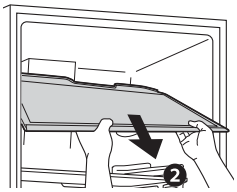


※Illustration of MR-HS421EX

Adjustable shelf / Shelf

❶ Lift up the front side with both hands. ❷ Pull forward and take out.





※If forcefully pulled outward damage may occur to door side. Please slowly pull and take out.

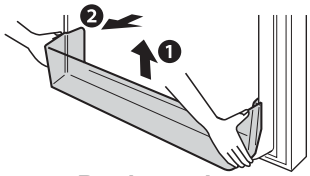
Follow the instructions

Be careful when attaching and removing the glass shelf.

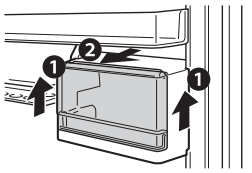
If it is attached improperly, it could come loose and fall, causing injury.

Free pocket (large), (small) / Bottle pocket / Capsule door pocket

❶ Lift upward holding right and left sides.
※The piece is attached quite firmly.
❷ Draw forward to remove.



Bottle pocket



Capsule door pocket

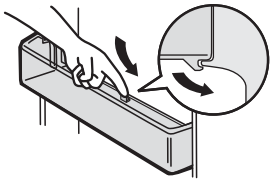
Follow the instructions

Be careful when attaching and removing the pocket.

If it is attached improperly, it could come loose and fall, causing injury.

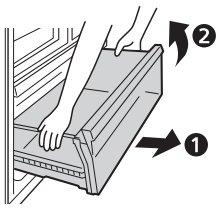
Point when attach Free pocket (large)

Insert the left and right partway, push the top of claw part in the center of free pocket, and fit the claw part.



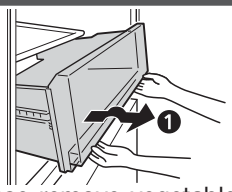
Chilled case / Select case / Cases in the Freezer compartment

❶ Fully pull out the slide case.
❷ Lift the end on your side.



Vegetable case

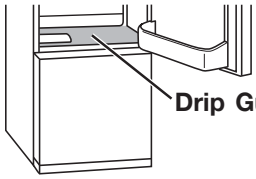
❶ Pull forward.



※If difficult to take out, please remove vegetable case after removing the bottle pocket and the shelf.

Recessed Portion of the Drip Gutters

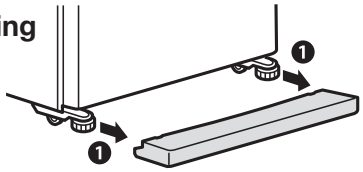
Wipe off any dirt, dripping or condensation.



Drip Gutters

Adjustable Support Cover

❶ **Remove by pulling forward on both sides.**



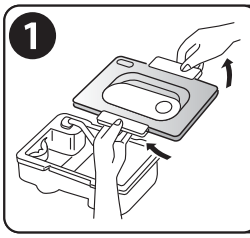
Cleaning the Automatic Ice-Maker

Please do periodic care to prevent the occurrence of water scale, mold, etc. Please remove water when not making ice.

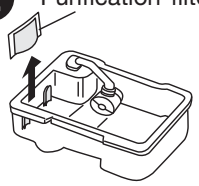
※Do not use a dishwasher or dryer because it may cause deformation.

For once-a-week Water supply tank / Purification filter

If mold forms easily in the certain types of water, clean about 2 or 3 times a week.

1 

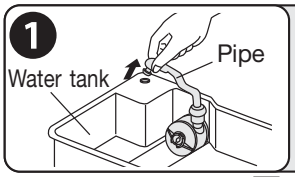
Take off the lid and wash with water.
(Temperature tolerance approx 60 °C)

2 

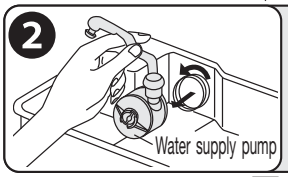
Remove and wash with water.
Normally, it does not need replacing.
Please replace for the following reasons:
- If something other than water was put in and the opening got blocked.
- If it is damaged.
- If mold, etc. is forming.

To buy another filter, please inquire at the store where you bought your unit.

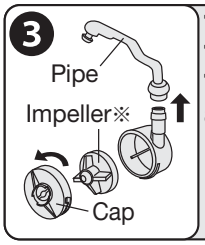
For once-a-month Water supply pump

1 

Remove it from tank.

2 

Turn the pump and take out.

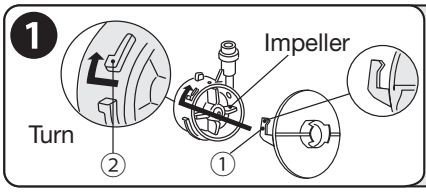
3 

Take out the pipe, Turn the cap and remove, Take out the impeller and wash with water.
※The impeller is made with a magnetic material. Clean thoroughly with water, making sure there are no substances on it.

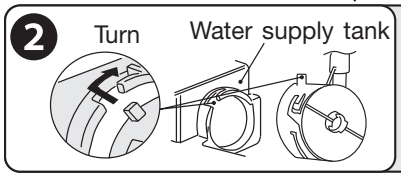
4 Return parts by following the reverse procedure.

Pointers for assembling the water supply pump

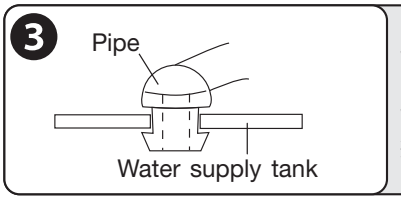
If it is not assembled properly, it may not make ice or it may make a loud sound. Please check on the following.

1 

The claw on the cap (①) is turned to put onto the protruding part (②) of the water supply pump.
※Check to make sure that the impeller is inside.

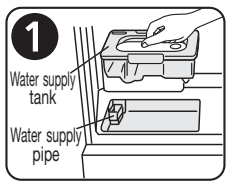
2 

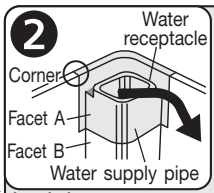
Attach the water supply pump properly to the water supply tank by turning and attaching.

3 

Insert the pipe into the water supply tank opening, Connect the pipe to the water supply pump.
※Check to make sure that there are no substances at the connection point of the two pipes.

For once-a-month Water supply pipe

1 

2 

Remove the water supply pipe.
If the water supply pipe is tight to remove, place your finger inside the water receptacle, remove the corner, and then twist in the direction of the arrow.

3 

Take out the water supply pipe and wash with running water.
The water receptacle and hose part cannot be removed.

4 Return back to original positions.
Make sure to insert the water supply pipe properly so that there's no difference in surface level between facet A and facet B is.

Return the water supply tank and, if does not sit in properly, re-set the water supply pipe. If removal or assembly are not done correctly, a problem such as a water leakage will occur.

Cleaning the ice-making tray (rinsing)

1 **Take ice out of the ice storage box, close the freezer door.**

2 **Fill water supply tank with water, put back in original position.**



3 **Touch ICE for about 5 seconds.**
MAKE and STOP will blink for about 1 minute.
- It rinses the ice-maker tray with water from the water supply tank.

4 **Repeat 3 2 or 3 times.**

5 **Remove the Ice storage box discard water and ice.**
Do not throw out the noise prevention mat.

5 Ice storage box



Notice

- Do not use washing agents such as kitchen detergents, benzene or bleach to clean the water filter. It will cause ice to have an odor.
- If you use a bleach to clean your water supply tank or lid, please follow product directions carefully.
- Assemble the water supply pump properly and firmly. If it is not assembled properly, it may not make ice or it may make a loud sound.
- Please attach the lid of water supply tank securely. If the lid is not attached properly, the lid may be out and the water supply tank will fall.

Other Issues (Power Outages, When Not Using the Refrigerator for a Long Time, To Move or Transport the Refrigerator)

Power Outages

- Minimize the frequency of opening the doors, and avoid adding more food.
- Operation panel settings other than the temperature settings may change. Check the settings. (Child Safety Lock, etc.)

When Not Using the Refrigerator for a Long Time (When the Power Plug Is Unplugged)

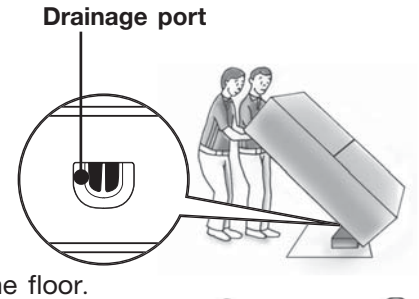
1. Set to the "STOP" ice making mode. ➡ **Page 13**
   - Check that STOP is lit.
2. Remove the power plug.
3. Empty any water or ice from the water tank, and ice storage box and clean.
   Wash the water tank, water supply pump, tank pipe, tank cap, lid, water supply pipe, ice storage box, soundproof mat, and ice server, dry them completely, and then return them to their original positions.
   ➡ **Pages 13, 18**
   - Do not dispose of noise reduction mat.
4. Clean the interior of the refrigerator and open the doors for 2 to 3 days to dry the inside.
   * If the refrigerator is not dried sufficiently, it may cause mold, odors, or refrigerant (gas) leaks due to condenser corrosion.

Notice

- Wash the water tank, water supply pipe, and before making ice for the first time, or if you have not made ice for more than a week, Odors or dust may be adhering to the parts.

To Transport the Refrigerator

1. Empty any water or ice from the water supply tank and ice storage box. ➡ **Page 18**
2. Wear protective gear (gloves).
3. Remove the adjustable support cover, and then rotate and raise the adjustable supports. ➡ **Page 7**
4. Remove the power plug.
5. Lay towels under the drainage port and the lower rear edge of the refrigerator, and position a container or tray with a height of about 3 cm on the towels to collect the water.
   * The towels prevent floor damage, and water from being spilled on the floor.



6. Tilt the refrigerator slowly to the rear by about 30 degrees, and drain the water from the evaporation tray via the drainage port on the lower rear side. (The evaporation tray is not visible from the outside.)
   * Because the refrigerator is heavy, the work must be performed by at least 2 people.
   * The work must not be performed by small children or people who are not capable of doing heavy work. Ask a specialist transportation company.
7. 2 or 4 persons should grasp the bottom handles and the handles on rear upper side, and carry the refrigerator slowly.
   - Do not lay down the refrigerator on its side. (The compressor may be damaged.)



When the Transportation Time Is Long, for Example When Moving House

- Frost from the condenser inside the freezer compartment will melt, and may spill water when the refrigerator is transported. It may take 1 day to defrost after unplugging the power plug.

Prohibited	**Do not damage the refrigerator's refrigerant circuit (pipes).** Because flammable refrigerant is used, this may result in fire or an explosion.
Follow the instructions	**Wear protective gear when you install the refrigerator. Do not use any tools other than the adjustable support tool kit.** Not following these instructions may result in floor damage or injury.

To Move the Refrigerator in Forward and Backward Directions

1. Wear protective gear (gloves).
2. Remove the adjustable support cover, and then rotate and raise the adjustable supports. ➡ **Page 7**
3. Lay protective material under the casters and rear supports to prevent damaging the floor.
4. Move the refrigerator in the forward and backward directions.
   * Moving in any direction other than forward and backward may damage the floor. Please make sure to lay protective material such as a plate or board on the floor.

Other Issues (Door Alarm, Mark)

When the Door Alarm Sounds (Door Alarm)

The door alarm (with alarm sound and compartment display) is activated when a door is open for 1 minute or longer. The pattern of the door alarm sound and the action of compartment display area are as follows depending on how long the door has been left open.

Time for which the door left open	1 minute	2 minutes	3 minutes	4 minutes
Alarm sound	4 short beeps, then 2 beeps	4 short beeps, then 3 long beeps	4 short beeps, then 4 long beeps	After 4 short beeps, Continuous long beeps
Compartment display area	The compartment display area will blink in synchronization with the alarm sound			

Compartment display area
(Operation panel)

Blinks in synchronization with the alarm sound.



- Check that the doors are not left ajar or do not have any food trapped (the packing, the back of the drawer cases). (Check at least once a month.)
- Refrigerator and Freezer doors have an opening and closing sensor.

When the Alarm Cannot be Turned Off

Check that there are no gaps between the door.
When the alarm cannot be turned off, there may be a malfunction and an inspection is required.
Contact the retail store where you purchased the refrigerator.

To Stop the Alarm (Continuous Short Beeps)

The alarm can be temporarily stopped in the time before the refrigerator is repaired.

Press ICE for at least 5 seconds.

* If performing the above operation does not turn off the alarm, or the alarm periodically sounds, check peripheral machinery as well.

When the Mark Blinks Rapidly (About 5 Times per Second)

When the refrigerator will not cool, there may be a malfunction and an inspection is required.
Contact the retail store where you purchased the refrigerator.

Troubleshooting

Before contacting MITSUBISHI ELECTRIC SERVICE CENTRE or its service agent or making a repair request, check the following.
If the problem persists, contact the retail store where you purchased the refrigerator as soon as possible.

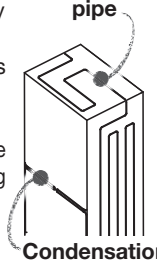
Frequently asked questions in the initial period and in summer

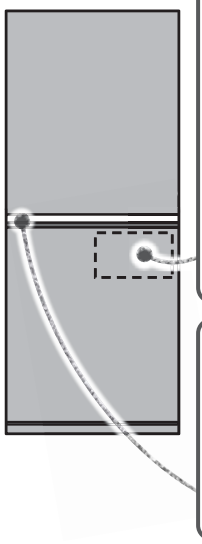
The refrigerator does not cool at all!

- The refrigerator takes time to cool when you first start using it. In summer, it may take up to 24 hours for the inside to be fully cooled. ➡ **Page 7**
- If DEMO is shown on the operation panel, cancel demonstration mode. ➡ **Page 15**
- Check if the power plug is disconnected or the circuit breaker has tripped.

The outer walls heat up!

- The outer walls heat up significantly (to about 50 to 60˚C) immediately after installation and in summer. This is because the heat discharging and condensation prevention pipes are located on the sides and the top of the refrigerator. They are required for cooling and the heat is not an abnormality.
- A heat discharging fan is located under the refrigerator. Warm air may be discharged from here.





In Select case

Ice cream melts

- Store ice cream in the freezer compartment, not the select case.

Food does not quickly freeze

- With Soft-Freezing, food freezes at about -7˚C, so it may take up to about 24 hours for food to completely freeze.

Soft-Freezing freezes food

- Food appears to freeze just as when it freezes in the freezer.

The operation panel turns off automatically!

- If 30 seconds pass without any operation panel button operations, the display turns off. When lighting, touch . ➡ **Page 8**

Troubleshooting (continue)

	Problem	Check	Explanation and Action
Cooling Performance	**Does not cool well** **Not much ice is made** **Ice melts**	❶ Has enough time passed after installation?	It takes 4 to 5 hours for the refrigerator to cool, and may take 24 hours in summer to fully cool.
		❷ Is the temperature setting set to “LESS COLD”?	Set to “MID or COLDER” or to the setting of your liking. ➡ **Page 14**
		❸ Is the flow of cold air being blocked? Are the doors being opened frequently, or left ajar? Is food blocking them?	Make space between foods and remove any food that is sticking out of shelves or touching the ceiling of the drawers. Avoid opening and shutting the door for a while.
		❹ Is heat discharging being blocked? Check if there is no gap around the refrigerator and the refrigerator is exposed to direct sunlight.	Check that there is enough space around the refrigerator and that it is properly installed. ➡ **Page 6**
	Food freezes in the refrigerator compartment and vegetable case	❶ Is the temperature on the operation panel set to “COLDER”?	Set the temperature to “MID”. Also, the temperature with each setting may temporarily decrease.
		❷ Is food with a lot of moisture stored at the rear of the shelf?	Place drinks and food containing a lot of water, such as tofu, vegetables and fruits, at the front of the shelf or in a door pocket.
		❸ Is the surrounding temperature 5˚C or less?	Food in the refrigerator compartment or vegetable case may freeze. Freezing is less likely when the temperature settings are set to "LESS COLD". ➡ **Page 14**
Soft-Freezing	**Food in the select case melts**	❶ Is food piled up in the upper area?	Leave a gap so that cold air can flow to the ceiling and between food.
		❷ Has enough time passed after installation?	The refrigerator takes time to cool completely.
	Soft-Freezing freezes food too hard	❶ Is the select case set to “SOFT FRZ • COLDER”?	Set the select case to “SOFT FRZ • MID”. ➡ **Page 14**
		❷ Does the food contain a lot of moisture?	Foods containing a considerable amount of moisture may freeze too hard. We recommend leaving the food for about 5 to 15 minutes, placing the other hand on the back of a knife, and cutting the food by pushing on it. Also, use the setting “SOFT FRZ • LESS COLD”.
		❸ Is food freezing the same way as with “Freezing”?	Food appears to freeze in the same way as with “Freezing”.
Automatic Ice Making	**Cannot make ice Water in the tank stays at the same level**	❶ Has enough time passed after installation?	It takes 4 to 5 hours for the refrigerator to cool, and 24 hours or more in summer to make ice.
		❷ Has food, the ice server, or another object been left in the ice storage box? Also, has the ice been leveled?	Remove food or other objects from the ice storage box. The ice storage box is judged to be full of ice. Also, spread the ice out flat all the way to the front.
		❸ Is the ice making setting for the ice making compartment set to “ICE STOP”?	Set the ice making compartment's setting to MAKE. ➡ **Page 13**
		❹ Are the water supply pump and tank pipe installed correctly onto the water tank?	Check that they are correctly installed. In particular, ensure that the opening of the tank pipe inside the tank is installed firmly to the tank. ➡ **Page 18**
	Water tank or water supply pipe freezes	❶ Are the water supply pipe and water tank installed to the refrigerator without any gaps? Additionally, is the tank pipe installed to the water tank without any internal gaps?	Check the installation around the water tank. If there are gaps, the cold air may escape and water may freeze. ➡ **Page 18**
	Ice is small or joined together	❶ Has ice been stored inside the ice storage box for a long time?	Ice stored inside the ice storage box for a long time may shrink or join together (due to a phenomenon called sublimation). When not using ice, it is recommended that you remove the water and stop the ice making.
		❷ Does it occur when the water in the water tank is decreasing?	As the water in the water tank decreases, the amount of supply water is slightly reduced.
Operation Panel	**The operation panel does not respond** 	❶ Is lit?	Cancel the Child Safety Lock. ➡ **Page 14**
		❷ Are the user's fingers or the operation panel wet or dirty?	Wipe off the moisture and dirt on the operation panel and fingers.
		❸ Are you repeatedly touching it?	Let your flnger off the operation panel once and then touch it again. It will respond when you let you finger off.
		❹ Are seals and tapes put on the operation panel?	Remove the seals and tapes.
	Reacts without a touch	❶ Are there any towels, plastic bags, papers, etc. over the operation panel?	Remove the towel, plastic bag, paper, etc.

Troubleshooting (continue)

	Problem	Check	Explanation and Action
Sound	**There is a rattling sound**	❶ Are any nearby objects in contact with the refrigerator?	Leave space around the refrigerator. When objects or walls are in contact with the refrigerator, sounds may be heard.
	Loud noises Worrisome noises (Noises described on the right are normal)	❶ The noise gets louder suddenly or the tone changes.	Immediately after beginning use, when the weather is hot, when the doors are frequently opened and closed, and in similar situations, the refrigerator switches to high-speed operation and cools with high power.
		❷ A whistling sound is made after closing a door.	This is the sound of the cooling fan motor starting.
		❸ A whipping or dripping sound is sometimes heard from inside the refrigerator after a door is opened.	This is the creaking sound as warm air enters and expands the plastic.
		❹ Sometimes the sound of flowing or boiling water can be heard.	This is the sound of the refrigerant (gas) flowing.
		❺ A rattling or squeaking sound is made sometimes (every 1 to 2 hours).	This is the sound of the automatic ice maker. Even when there is no water in the water tank, the automatic ice maker and pump make a sound about every 100 minutes.
		❻ After turning on the power, a thumping or creaking sound may be heard in the ice making "ICE STOP" mode (every 1 to 2 hours).	This is the sound of the operation check. The check is performed even in the "ICE STOP" ice making mode.
Door	**Doors do not close** **Doors open easily**	❶ Is a door making contact with food or a case? Is too much food packed inside?	Store food so that the door does not make contact with the food when closed. In the refrigerator compartment, store food on the shelves and in the drawer doors store food so that it does not make contact with the ceiling when doors are shut and opened.
		❷ Has food fallen behind a case in a drawer door, or is the power cord or another object trapped between the refrigerator and a door?	Remove any objects. Make sure that the door does not trap objects such as food, power cords or plastic bags.
		❸ Is the refrigerator installed stably? Are the adjustable supports making contact with the floor?	Lower the adjustable supports to raise the front side slightly and make the doors easier to close. ➡ **Page 7**
	When close the door, another door opens.	This is normal. Since each compartment is connected by a passage of cold air, the wind pressure of closing the door may cause other doors to open or float for a moment.	
	The alarm will sound	❶ Check if the doors are closed.	Refer to "When the door alarm sounds" and "When the alarm cannot be turned off". ➡ **Page 20**
Condensation/ Frost	**Condensation forms on the outer walls and inside the refrigerator**	❶ Are the doors being opened frequently, or are there any gaps?	Close the doors so that there are no gaps. When moisture in the air cools, it forms frost or condensation. When there is high humidity, condensation or frost will form even in very small gaps. Regarding the Vegetable Compartment. ➡ **Page 9**
	Frost forms in the freezer compartment **Water drips onto the floor**	❷ Is the humidity high, for example is it raining?	Condensation may form temporarily. Wipe off with a dry cloth. Condensation may cause frost to form in the freezer compartment. Please minimize the time when doors are kept open.
Others	**There are lines like scratches on the clear parts**	❶ Is it a thin line without level difference on its both sides?	This is a mark created at the time the plastic is molded. It is created at the joint where resin flows. This is not a flaw.
	There are holes in the door and the refrigerator walls	❶ Are there small holes in the door or in the refrigerator walls?	These are holes that let air escape for the injection of foam heat insulating materials in the manufacturing process. These are not flaws or abnormalities.
	The surface of the sides or doors is warped	❶ Does the light reflected on the surface appear distorted?	Warping and surface waviness occurs in the manufacturing process. When light hits the surface, it may appear warped, but this is not an abnormality.
	Noise interferes with televisions or other devices	❶ Is the refrigerator installed near an electronic device such as a television?	Install the refrigerator away from electronic devices such as televisions.
		❷ Is the power to the refrigerator supplied from a socket near the entry hole of the antenna cable?	Use separate power. When using a 2 pin plug, use grounding.
	There is a bothersome smell (Food / Ice)	❶ Have you placed food with strong odor inside the refrigerator without sealing it in a container?	Store food with strong odor in packaging. The odor may not be removed with a deodorizing apparatus.

Accessories

	Model name	MR-HS421EX	MR-HGS421EX
	Accessories	**Quantity**	**Quantity**
Refrigerator compartment	**Adjustable shelf**	**2**	**2**
	Shelf	**1**	**1**
	Vegetable case	**1**	**1**
	Water supply tank (including purification filter)	**1**	**1**
	Free pocket (large)	**1**	**1**
	Free pocket (small)	**1**	**1**
	Capsule door pocket	**1**	**1**
	Free egg tray	**1**	**1**
	Bottle pocket	**1**	**1**
	Chilled case	**1**	**1**
	Select case	**1**	**1**
Freezer compartment	**Freezing case (small)**	**1**	**1**
	Freezing case (middle)	**1**	**1**
	Freezing case (large)	**1**	**1**
	Ice storage box	**1**	**1**
	Noise reduction mat	**1**	**1**
	Ice server	**1**	**1**
	Adjustable support cover	**1**	**1**

■ This appliance is designed for use in Australia and New Zealand only and cannot be used in any other country.
No service is available outside of Australia and New Zealand.

MODEL NAME	COUNTRY NAME
MR-HS421EX/HGS421EX-A	AUSTRALIA / NEW ZEALAND

When you hear noise from the lower rear of the refrigerator

- Part of the cooling system is the compressor, which operating, does create a more noticeable increase in noise level. This is normal. However, if the noise is quite loud, this could be because the refrigerator is not installed correctly on a hard level surface, or there may be a problem that may need service.

CAUTION

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

MODEL NAME	AMBIENT TEMPERATURE RANGE	CLIMATIC CLASS
MR-HS421EX, HGS421EX-A	16 °C ~ 43 °C	T

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 affect the inside temperature. However, opening and closing the door results in 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.

If an abnormality or malfunction occurs, stop operation immediately and contact the retail store where you purchased the refrigerator or MITSUBISHI ELECTRIC SERVICE CENTRE or its service agent.

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MITSUBISHI ELECTRIC CORPORATION

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