

mitsubishi electric

Refrigerator-Freezer

MR-G50J

OPERATING INSTRUCTIONS

Non-Freon Refrigerators

This refrigerator uses non-Freon refrigerant (isobutane) and non-Freon foam insulation (cyclopentane).

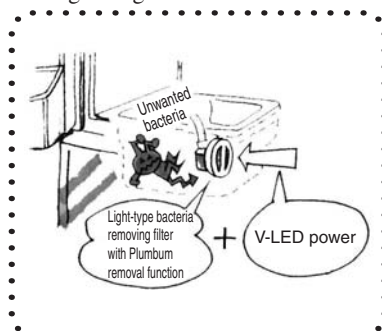
These materials are harmless to the environment, which does not affect the ozone layer and global warming.

Now, a refrigerator that keeps food tasting good!

This refrigerator preserves the quality and nutritional value of food, for a healthy way of eating.

Clean ice-making system using V-LED light and Pb-ion exchange sheet

The system is adopted to decompose bleaching powder and unwanted bacteria and to decrease water soluble Plumbum, making thus good-taste ice.



Washable water supply system

The entire water supply system is removable and washable to provide you with clean and delicious ice at all times.



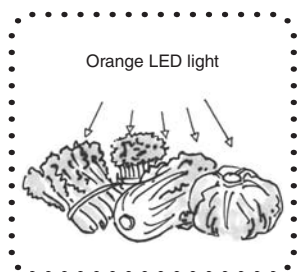
Ice making compartment which is easy to use

Due to the user-friendly design, you do not need to bend down to pick up the ice.



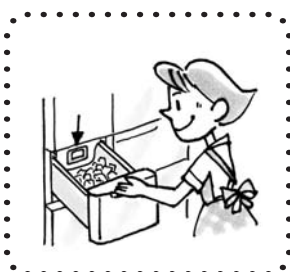
Vegetable Compartment

For our healthy life, Orange LED light increases the Vitamins.



Visible water supply system

You can see the volume of water inside the water supply tank.

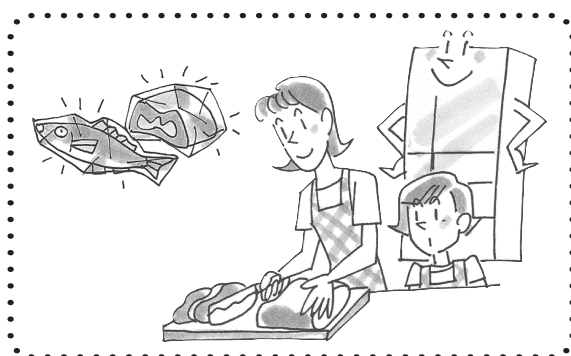


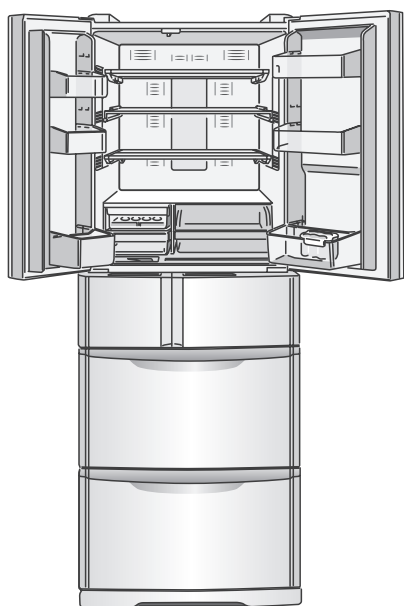
Freezing

Frozen instantly, the delicious flavor is sealed in.

Ready to cut, even straight from the freezer, with the new soft-freeze feature.

Cold air of -40°C quickly freezes food with the delicious flavor sealed in. After that, with soft freezing, even blocks of meat can be cut with a knife for speedy cooking.



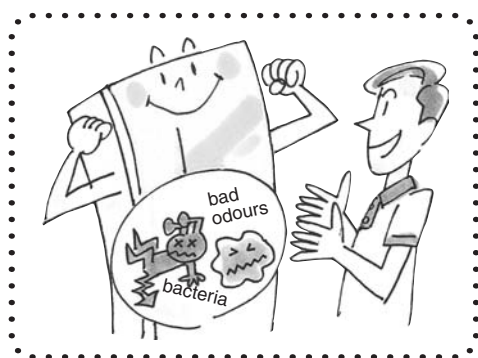


The “Auto Door Shut” (Refrigerator only)

Providing an easy way to close the door

Equipped with odour sensors for vigilant deodorising

Deodorizing System breaks down the molecules of odor-causing agents and contaminants, resulting in anti-oxidized clean air.



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- This refrigerator is manufactured for refrigerating and freezing foods in general households.
For industrial use, please use a commercial refrigerator-freezer.
- Principal plastic parts have material name marking to facilitate recycling.

From Installation to Operation

Installation area

The installation area should be unexposed to direct sunlight and hot air, and be well-ventilated to avoid diminished cooling power and to economize on cost of electricity

It should have little humidity

to prevent rusting

It should be strong and level

to prevent vibration and noise

- Install a strong plate or board under flooring on which the refrigerator legs easily sink (such as carpeting, tatami, polyvinyl chloride flooring, etc.). (For prevention of deformation or discoloration due to heat)

It should be far from the TV

to prevent the cause of noise or interference to the images on the TV

Leave space for heat ventilation

Leave at least 2cm of space on the right and left and 10cm of space between the ceiling and the top of the refrigerator

to allow heat to escape from the ceiling and the sides of the refrigerator

Heat builds up in exterior walls of the refrigerator

When the refrigerator is first used and during the summer heat build-up can exceed 50-60°C

⚠ Warning

Do not close the ventilation hole of the refrigerator or the crack around the refrigerator.

If the refrigerant leaks, ignition or explosion may be caused.

Electrical Connections

Make sure this unit is properly grounded.

- The unit should always be plugged into its own 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.
- Connect the ground wire to the ground connection screw provided at the lower, rear side of this unit.
- If your unit is installed in the 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 SERVICE CENTER. Make sure that the power cord is designed for this model.
- If the power cord is damaged, call our MITSUBISHI SERVICE CENTER for the replacement, in order to avoid a hazard.

About Non-Freon Refrigerator

Do not damage the refrigerant circuit or the pipes nor mount anything with screw.

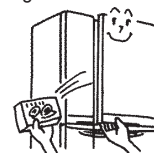
Non-Freon Refrigerants are flammable gas. However, it is hermetically-sealed, therefore, leaking is infrequent.

Use your refrigerator efficiently to save electricity

Leave space between items in the refrigerator.



Avoid opening and closing the door unnecessarily and leaving the door open for a long time.



Door alarm

If the refrigerator or ice-making doors are open for more than one minute, an alarm will beep, notifying the user that cold air is escaping

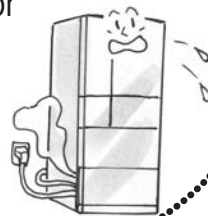
At least 2cm from the left and right sides.

adjustable support



Frost build-up can cause decline in cooling ability as a result of even the slightest door opening

Be sure not to catch food items, plastic bags, power chords, etc. in the door when you close it.



⚠ Warning

Just in case of having damaged the refrigerant circuit.

1. Do not use electric items or fire equipments near by.
2. Open the window and ventilate the room.

Please contact the retail store at which you purchased it or a Mitsubishi Electric Maintenance Service or Customer Service representative.

Prepare for earth-quakes

Thread strong belts through the 2 handy-grip recesses on the top-rear of the refrigerator and secure them to the wall, posts or other strong area

Consult the retail store at which purchase was made for tip-resistance belts for your refrigerator (sold separately).

⚠ Warning

Your refrigerator tipping over can cause injury.

Adjust supports for level anchorage

Turn the adjustable supports located at the bottom-front of the refrigerator until the casters are raised from the floor to prevent vibration and noise, transmigration and half-shut doors

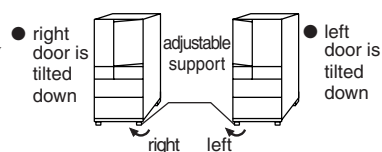
⚠ Caution

Insufficiently anchored supports can cause injury due to migration of the refrigerator.

When the refrigerator tilts left or right, the door opens easily. Also, the door closes more easily when the front of the refrigerator is raised slightly left, right or horizontally.

Adjusting door level

To fix a tilted door, adjust by turning the adjustable supports in the direction of the arrows as described in the figure on the right.



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 door-liner of 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 build up or fire.

Helpful storage hints

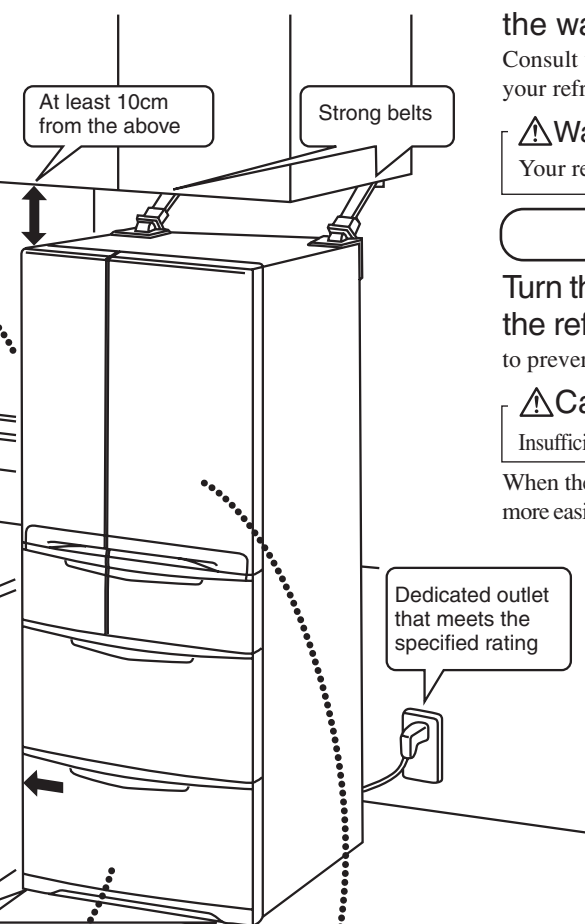
wipe



wrap



allow large quantities of food to cool before storing



The refrigerator will not cool immediately after power is turned on. The control panel will display "H" for current temperature (Numeric values will be displayed when the temperature goes below 20°C)

- It will take 2-3 hours for the control panel to display numeric values.
- Allow the refrigerator to cool sufficiently before you store non-cooled items and ice cream. Open and close the doors only as much as necessary and do not leave open for long periods of time.

Initial is set to "Regular ice making mode".

- To use the automatic in Crystal ice making mode, please change the setting for ice making compartment.  page 9

Especially during hot summers, ice may take 24 hours to make the first time, and more than half a day may pass before the control panel displays numeric figures.

Names and Main Functions of the Control Panel

LCD section

When "DEMO" is appearing on the LCD, the refrigerator will not start to cool. Please contact the retail store at which you purchased it or a Mitsubishi Electric Maintenance Service or Customer Service representative.

Displays the temperature control level of the indicated compartment

The temperature of the indicated compartment
When the cooking timer is used, the residual time (min/hr) is displayed on this section.

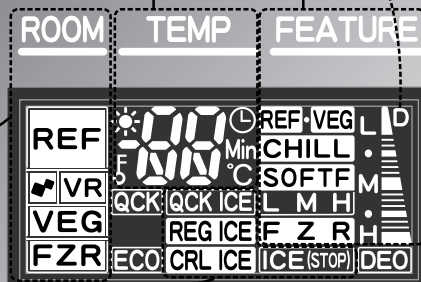
Indicates the corresponding compartment

Indicates the settings of the ice making compartment page 9

Turns on during the fast cooling operation page 10

Turns on during the energy-saving operation page 11

Turns on during LED light operation page 14

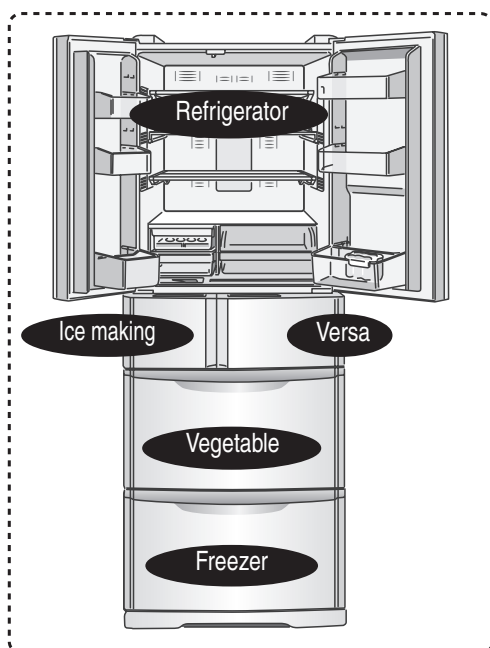


* Please note that the displays above are meant for explanatory purposes only. It might be different from the actual display.

Stays lit continuously (Deodorization function is automatically operated)

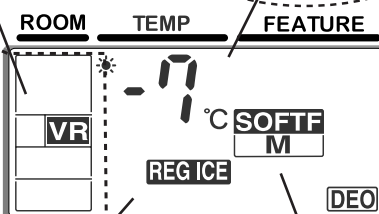
How to Read Indication

When the versa compartment is displayed



It indicates that the versa compartment is selected now.

When the product is not functioning, like installation time, "H" is indicated. (Value indication is equal or less than 20°C)



It indicates that the present temperature in the versa compartment is about -7°C.

It indicates that the temperature control of the versa compartment is set to "Soft Freezing, M" level.

Short Notes for Users

- Carefully wrap any foods emitting strong smells to avoid diffusing the odour to other foods. It is not possible to perfectly eliminate the odour by using deodorization function.

Foods with strong odour which may transfer to other foods

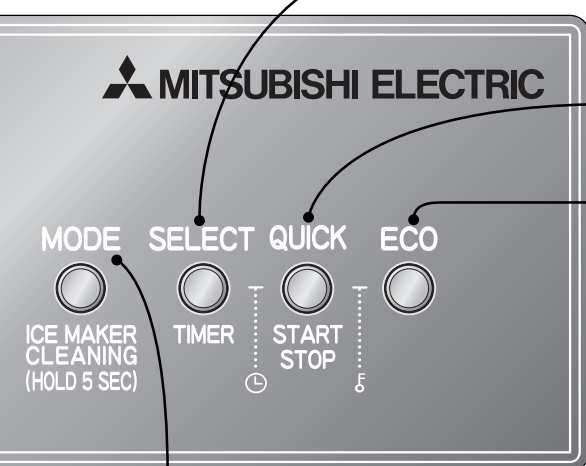
Pickled scallions, dried fishes, fermented soybeans, soybean paste, beef, pickled radish, sardine, Korean pickles, dumplings, etc.

Foods which easily absorb odour from other foods

Custard pudding, ice cream, potato salad, bean curd, rice, loaf of bread, milk, cake, ice, etc.

The control panel displays “present temperature”, “temperature control setting”, etc. for each compartment of the refrigerator, ice making, versa, vegetable and freezer.

Control buttons



SELECT button

To control the temperature

- For refrigerator, vegetable and freezer compartments [page 8](#)
- For versa compartment [page 9](#)
- To change ice maker setting or stop ice making [page 9](#)

Fast Cooling button

To cool fast

- Ice making compartment (Quick ice making) [page 19](#)
- Other compartments [page 10](#)

ECO button

To use the energy-saving operation.

[page 11](#)

Ice maker cleaning

To clean (rinse) the ice tray. [page 21](#)

Cooking Timer button

To tell the completion of cooking time. You can use this button as alarm.

[page 11](#)

Child Lock

To avoid children from touching the buttons on the control panel accidentally.

[page 11](#)

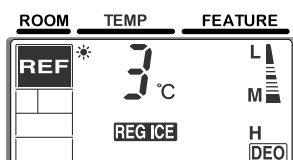
MODE button

To change over the compartment to be displayed on the LCD

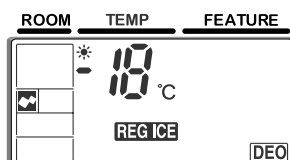
The indication on the LCD will change at each press of the  button.

* The illustrations below are examples. Temperature may be different depending on the room temperature where this product is installed or conditions to use.

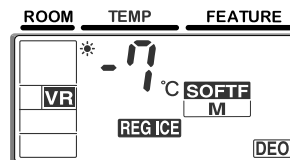
Refrigerator



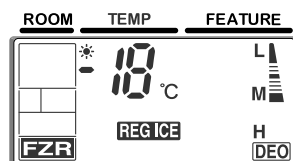
Ice Making



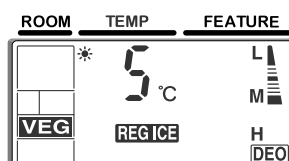
Versa



Freezer



Vegetable



Lighting up of the Control Panel

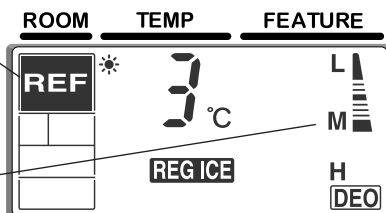
- The control panel switch will light up once it is pressed.
- If there are no use of signal for more than 30 seconds, it will automatically and become a mirror.
- Pressing the panel just after the light goes “Off” only makes the panel light switch “ON” again and no menu selection will be made until the next pressing of a panel switch.

Controlling temperature for each compartment

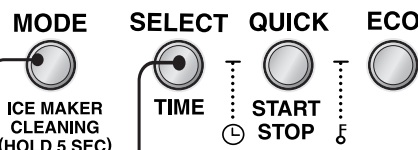
To control the temperature for the **Refrigerator, Vegetable and Freezer compartments**

Display the compartment which you want to control the temperature.

Check here to control the temperature.



* The illustration on the left is an display example. Temperature may be different depending on the room temperature where this product is installed or conditions to use.

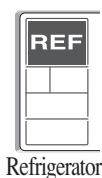


MODE

1

Press button and select the required compartment for temperature control

The display will change at each press.



Refrigerator



Vegetable



Freezer

SELECT

2

Press button to control the temperature.

The display will change at each press.



Temperature Control and Guidelines

Short Notes for Users

- The temperature value indication is meant for estimated food temperature at a specific area inside the product. (The temperature is different from the compartment temperature inside the product.) Due to this reason, the temperature indication is not immediately changed by opening and closing the compartment doors or changing the temperature control setting.
- The compartment temperature inside the product may rise or fall for a short period before or after a defrosting cycle and this is a normal phenomenon.
- The indicated temperatures used as guidelines here are based on the stabilized temperature which was measured slightly lower than the center part of the product under the condition of room temperature 30°C, without placing any food inside the compartment with all doors closed.
- After the temperature control setting for the versa compartment is changed, the temperature indicated on (LCD section) may vary for a while.

	Compartment display		
	Refrigerator	Vegetable	Freezer
Temperature control			
Adjust the temperature level to "L" if it is too cold	2 to 3°C higher than "M" level	2 to 3°C higher than "M" level	2 to 3°C higher than "M" level
Normally adjust the temperature level to "M"	About 0 to 6°C	About 3 to 9°C	About -16 to -22°C
Adjust the temperature level to "H" if it is not cold enough	2 to 3°C lower than "M" level	1 to 2°C lower than "M" level	2 to 3°C lower than "M" level

* The indicated temperature values are used only as a guideline. Temperature may be different depending on the conditions to use such as food storage conditions or the door operation conditions.

- Initial settings of each compartment at delivery are as follows. Refrigerator, Vegetable and Freezer compartments are set to “M”, the Versa Compartment is set to “REF•VEG” and the Ice Making Compartment is set to “REG ICE”.

To change the setting for the Ice Making compartment

Display the ice making compartment.

Check this section to make sure the ice maker setting

* The illustration on the left is an display example. The displayed temperature may be different depending on the ice maker setting or conditions to use.

1 Press button to display the ice making compartment.

2 Press button repeatedly to make your required ice maker setting blink.

After each pressing of the button, the blinking display of the ice maker setting will change.

After the blinking display is left for a while, it will stay lit and the mode is set to the lighting display. The beep sound is heard

Two ice maker settings are provided.

REG ICE

When you want to use a lot of ice, Select “Quick ice making mode”. Ice can be more quickly made than usual. [page 19](#)

CRL ICE

When you want to make clear ice cubes, It will take longer time to make the ice than usual. (approx 6-9 hours) * Unable to select “Quick iced making mode”.

ICE(STOP)

When you do not use ice in winter, this compartment can be used for frozen food storage. Before using this compartment as a freezer, clean the water supply system. [page 21](#)

To control the temperature for the Versa compartment

Display the versa compartment.

Check here to control the temperature.

* The illustration on the left is an display example. Temperature may be different depending on the room temperature where this product is installed or conditions to use.

1 Press button and display the versa compartment.

2 Press button repeatedly to make your required temperature blinks. The display will change at each press.

After the blinking display is left for a while, it will stay lit and the mode is set to the lighting display. The beep sound is heard

Six settings for the versa compartment are provided. [page 15](#)

REF•VEG

About 3°C

CHILL

About 0°C

SOFTF L

SOFTF M

SOFTF H

About -7°C (M)

FZR

About -17°C

Main Functions of the Control Panel

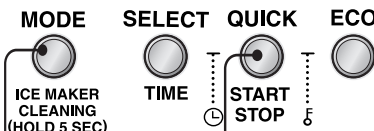
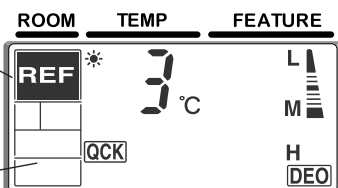
Fast Cooling It is used for home freezing or cooling bulk purchased foods fast.

To use the buttons for the Refrigerator, Vegetable, Freezer and Versa compartments

* The illustration on the left is an display example.
The displayed example may be different depending on the ice maker setting or conditions to use.

Display the required compartment for "QCK".

QCK turns on while the fast cooling function is operating.



MODE

1 Press button and display the required compartment for "Fast Cooling".

The display will change at each press.



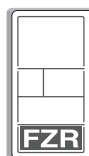
Refrigerator



Versa



Vegetable



Freezer

QUICK

2 Press button.

The **QCK** indicator comes on.

The time is automatically set. (The time is not displayed)

The cooling is automatically completed after about 2 hours.

The **QCK** indicator goes off.

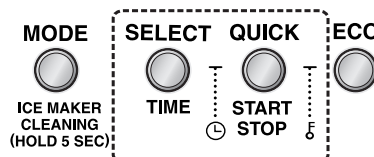
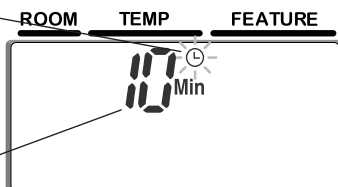
To stop the operation halfway through, press the button again.

When you want to make ice quickly (Quick ice making) page 19

Cooking Timer It can also be used as an alarm at the completion of cooking time.

The ⌚ icon blinks during the operation.

Time is displayed instead of the present temperature.



To enter the Timer Mode

SELECT QUICK

Press and hold and buttons simultaneously for 1 second (until a “beep” sound is heard).



Follow the operation explained on the left

The number 0 blinks on the display.

To set the time and start

SELECT

1

Press button to set the timer.

Setting range is minimum 1 minute up to maximum 99 minutes with 1-minute increments. To set the timer for 10-minute increments, hold down the panel switch longer.

QUICK

2

Press button to start.

Alarm sound will announce the completion
Any panel switch can be pressed to stop the alarm sound. (It automatically stops after 1 minute, if no panel switch was pressed.)

To stop the timer halfway through the operation, press button again.

The number returns to “0”. (It does not blink)
The timer mode is not released.

Energy-Saving operation

It automatically switches between “Energy-Saving Operation Mode” and “Normal Operation Mode” to minimize the energy consumption.

Press button.

comes on in the LCD section.



Follow the operation explained above

Child Lock

It rejects any mischievous tampering or unintentional pressing of control panel settings.

QUICK ECO

Press and buttons simultaneously and hold down for about 3 seconds. (until a “beep” sound is heard)



turns on.



Follow the operation explained above

Short Notes for Users

- If you select the soft freezing and then use the fast cooling function, the temperature inside the compartment becomes temporarily too low, freezing the food too hard. In such a case, you may not cut it with a knife.
- After fast cooling, the temperature inside the compartment is too low and the values on the temperature display section may be lower than the target values shown on pages 8 and 15.
- Noise levels will rise while in the “Fast Cooling” mode.
- In case of using “Cooking Timer” and “Fast Cooling” concurrently, start “Fast Cooling” mode first followed by “Cooking Timer” setting.
- No other setting is available while using the “Cooking Timer”.
- While using the “Cooking Timer”, control panel light stays “ON”.

Re-setting

It re-sets all settings of “Temperature Control”, “Fast Cooling”, and “Energy-Saving Operation” to the initial setting. Also, it will cancel the timer mode.

QUICK

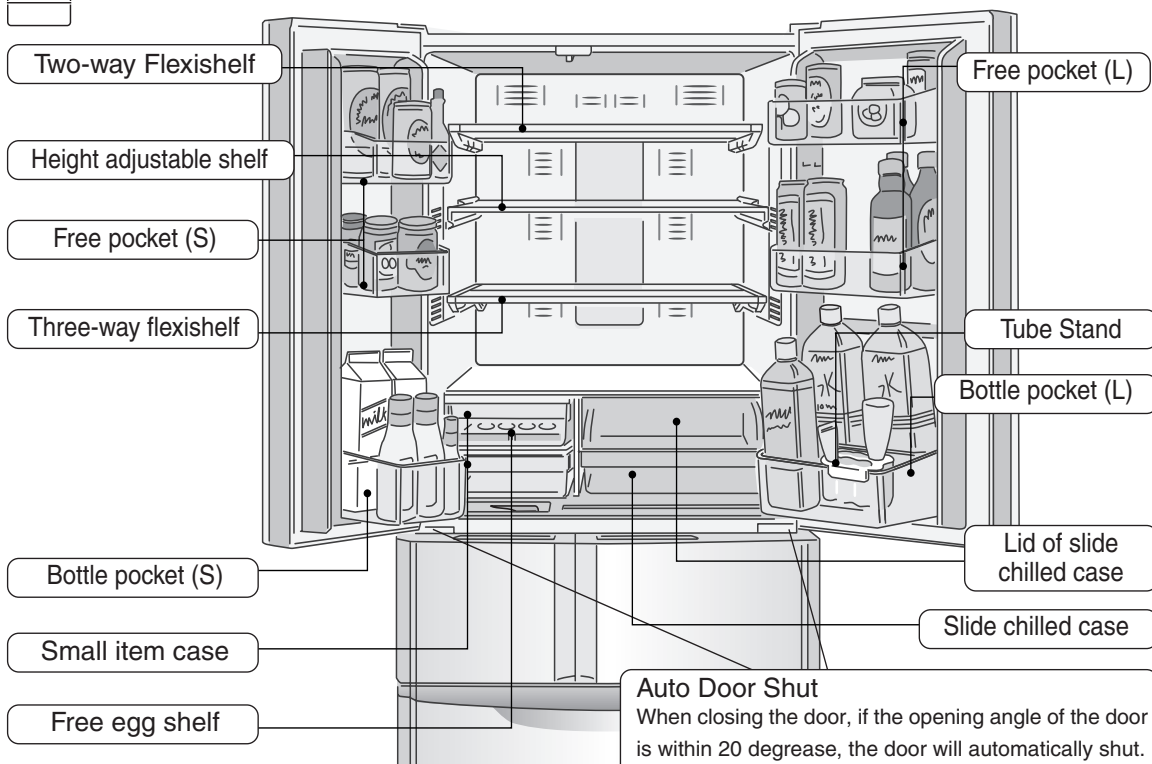
Press button and hold down for about 3 seconds (until a “beep” sound is heard)

There are no changes in temperature control for “Ice Making Compartment” and “Versa Compartment”.

Using Compartments Refrigerator Compartment



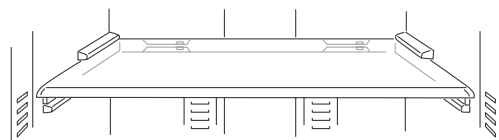
Refrigerator Compartment



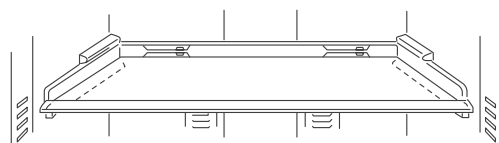
Height adjustable shelf

The distance between two shelves can be adjusted according to the height of the foodstuffs to be preserved.

Direction of the shelf (obverse side)



Direction of the shelf (reverse side)



How to remove the shelf. page 22

Small Notice to User

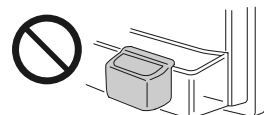
- “Auto Door Shut” is not for auto-closing half-opened door. If the power is too weak, the door may stop before shut.
- The shutting door speed may change depending on the amount of foods are stored in the door pocket.

Set the large tubes at the back.

Not doing so can cause the tubes to fall out from its original position.

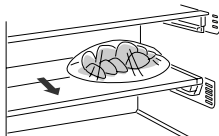


Do not set commercial tube stand out side the door pocket.

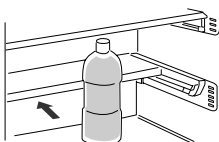


Three-way flexishelf–Two-way flexishelf

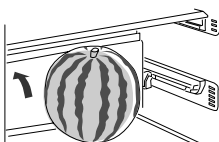
1 As a wide shelf.



2 Make the shelf to the half size for taller foodstuffs.

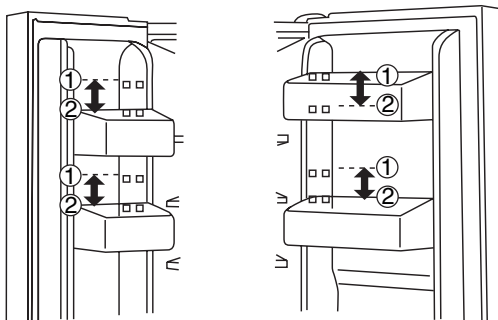


3 Push the shelf deep in the compartment and turn it up for larger foodstuffs. (only for Three-way Flexi shelf)



Free Pocket

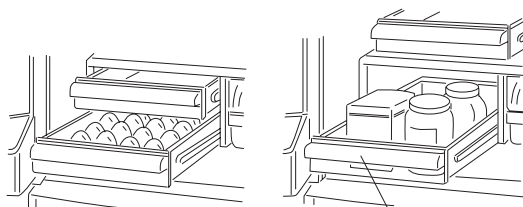
Each pocket at the right and left sides can be hung in two different positions.



How to remove the pockets.  page 23

Small Item Case

The case can be used for storing various items including eggs and small articles according to your idea.



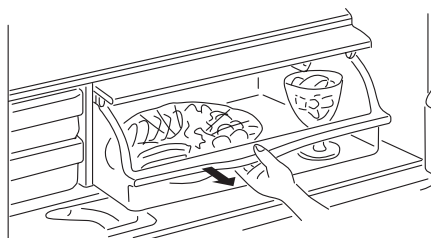
By removing the upper case

The case is automatically set to “CHILL”.

- Do not store the foods easy to freeze.

Lid of slide chilled case

Open the lid by pulling the case toward you.



The case is automatically set to “CHILL”.

- To store meat, fish or processed foods (such as fish paste, ham).

Short Notes for Users

Do not leave food items hanging over the edge of the shelves

Do not place bottles that can not reach the bottom of the compartment in the front row of the bottle pocket.

- Do not close the doors of the refrigerator with items in front of the sliding case. Doing so may prevent door from closing properly, cause inefficient cooling, items to drop from shelves, injury and damage to the case.

Do not close the doors of the refrigerator with the items in front of the slide chilled case.



Be sure to properly replace and cover the case with the lid.

- Failure to do so may prevent the door from closing properly, cause insufficient cooling, items to drop from shelves, injury and damage to the case or lid.

In the following cases, the items in the slide chilled case may be frozen. Set the temperature for the refrigerator to “M” or “L”.

- When the temperature for the refrigerator is set to “H”.
- When the ambient temperature becomes 5°C or less (in winter)

Using Compartments Vegetable, Freezer and Versa



Vegetable Compartment

Sliding case

To store small items such as tomatoes or fruit which easily go bad.

Vegetable case

2L-plastic bottles can be put into the case.

Vegetable stand

To stand and store the asparagus, cucumbers or the like.

Note

Do not break down or source water over LED.

- Doing so can cause damage to LED.
- There is no use to change the LED due to long lasting LED is on board.

Do not place tall objects underneath the slide case.

- Doing so can cause damage to food items or the slide case.
- Using the vegetable compartment without the slide case will cause vegetables to dehydrate.

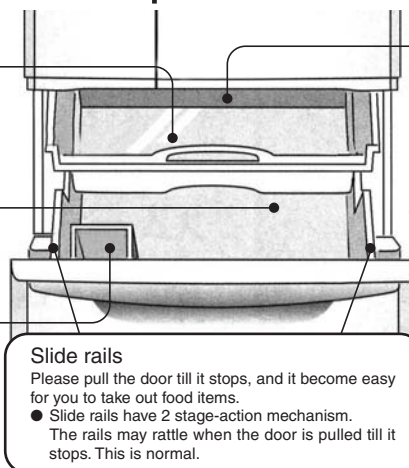
When you want to turn off the LED light

Control at the control panel.

- ① Press MODE button to light up the VEG.
- ② Press SELECT and ECO buttons simultaneously for 3 seconds (until a "beep" sound is heard).

Sun mark will disappear from the LCD.

* When turning on the LED light, follow the above.



LED light

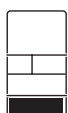
Orange LED light increases the Vitamins and keeps the freshness.

Short Notes for Users

- There are no such foods that can not be stored under the LED light.
- Even with poor light, vegetables increase nutrients. Therefore, there are no use to unwrap the covers, unless the cover shut outs the light.
- Cover vegetables and fruit in plastic wrap to preserve freshness.



- Vegetable nutrients will not continue to increase forever. The storage stability will depend on the freshness when bought. Please use the vegetables as it is fresh as it should be.



Freezer Compartment

Freezing case (upper)

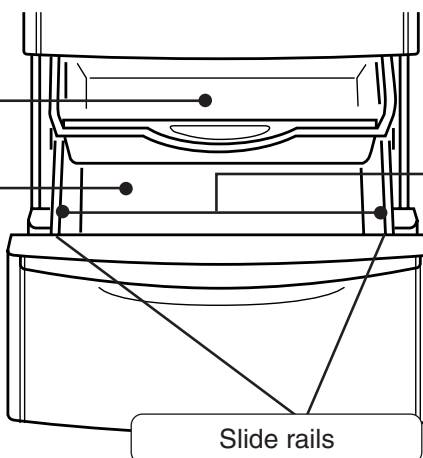
Freezing case (lower)

Storage-limit line

Note

Do not place the food items over Storage-limit line on Freezing case (lower).

- Doing so can cause incomplete door-closing and damage to food items or Freezing case.



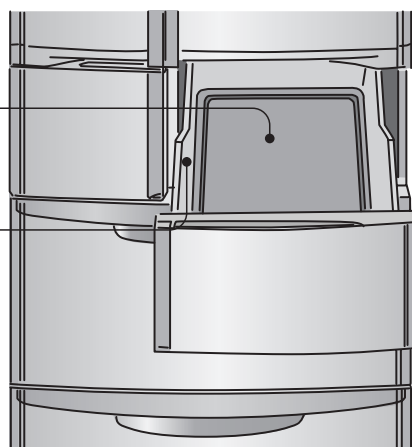
Slide rails

Please pull the door till it stops, and it become easy for you to take out food items.

- Slide rails have 2 stage-action mechanism. The rails may rattle when the door is pulled till it stops. This is normal.



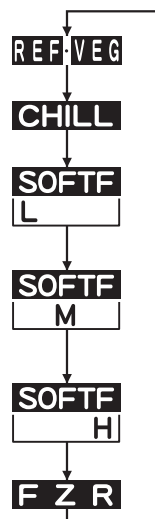
Versa Compartment



Aluminum tray

Versa case

Adjust temperature to suit your dietary habits  page 9
You can select one from 6 settings.



Guidelines for temperature control and each temperature

REF-VEG About 3°C

- To store vegetables and fruits.
- To cool drinks.
- To store foods which cannot be placed in the refrigerator compartment.

(Always wrap them to avoid getting dehydrated)



CHILL About 0°C

To store processed foods (such as fish paste, ham) yogurt or cheese for about a week



SOFTF L

SOFTF M

SOFTF H

About -7°C (M)

- To store meats or fish for about 2 to 3 weeks.
If it is hard and difficult to cut, adjust the temperature level towards “L” and if it is not frozen enough, then adjust the level towards “H”



F Z R About -17°C

- To store frozen foods or ice creams.
- To store meats, fish or other processed foods for 1 to 3 months.



Short Notes for Users

Storing food during temperature change

- The versa compartment does not reach freezer or soft freezer temperature immediately after temperature is set. Please wait at least 30 minutes or so before you place food items in the wine compartment. The current temperature display may not indicate the freezer or soft freezer temperature, this will not affect your food items.
- Place the food items that the cool air flow can flow above the items.  page 10

Short Notes for Users

- The indicated temperatures used as guidelines here are based on the stabilized temperature which was measured slightly lower than the center part of the product under the condition of room temperature 30°C, without placing any food inside the compartment with all doors closed.
Temperature may be different depending on the conditions to use such as food storage conditions or the door operation conditions.

Soft Freezing

Meat and Fish

Though your meat or fish may seem as frozen as if it were frozen normally, with soft freezing you need not separate food or wait for it to thaw because your meat or fish can be cut with a knife immediately after you remove them from the versa compartment, thereby shortening your cooking time!

- Items that have been transferred from freezer to soft freezer or soft freezer to freezer should be used within 1-2 weeks.

Blocks of meat



Meat that has been stored in the freezer or was bought frozen can be transferred to the soft freezer, so you can divide up and remove only the amount that you want to use.

- Depending on its size, your meat should be ready to cut within 2-5 hours after it is transferred to the soft freezer.

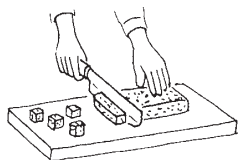
Thinly sliced meat or bacon



Thinly sliced meat or bacon can be cut immediately. They will thaw while cooking or dipped in basting, during which time you can easily separate them.

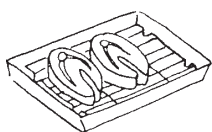
- They can not be separated immediately after they are removed from the soft freezer.

Ground meat



You can cut and remove the amount you want to use. Furthermore, if you cut them into small cubes, they will thaw enough in 15-30 minutes for you to loosen with your hands.

Cutlets and cod roe



Cutlets can be cooked on a low flame without taking the time to thaw them. Cod roe and other highly salted foods do not freeze and can be used immediately.

Fruit

The soft freezer is recommended for Very sweet fruit. Try soft freezing with various fruit.

- Eat fruit frozen without thawing. (these fruit will not be fresh again after thawing)
- The flavor of fruit kept in the soft freezer for more than 1 week may change. It is recommended to eat fruit within 2-3 days to best enjoy its new taste.
- Freezing time may vary depending on sugar content of the fruit, so allow 1 day for freezing.

Smoothie

Blend soft-frozen fruit and yogurt and milk in a blender to make an easy healthy drink.

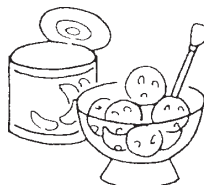
Example: Cut half a peeled apple into bite-size pieces, and a peeled kiwi into 1-cm circular slices. Freeze fruit in the soft freezer. Then blend soft-frozen apple and kiwi, 250cc of milk and honey (if you like) in a mixer until it becomes smooth. (makes 2 servings)

Watermelon



Make watermelon ice by cutting watermelon into bite-size pieces and freezing in the soft freezer.

Canned fruit



Soft-freeze mikan oranges or pineapple in its syrup to make easy sherbet.

- May not freeze depending on the sugar content of the syrup.

Items that are not suitable for soft freezing

Items that can not be frozen normally are not suitable for frost freezing either. Form and quality of such items after freezing are not guaranteed.

Example: konyaku (alimentary yam paste), bean curd, milk, eggs, potatoes, etc.



The soft freezer can not preserve commercial ice cream or frozen foods. Store these items in the freezer compartment.

Others



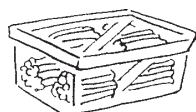
Meat sauce



Store left over sauces in an airtight container. You can remove the sauce with a spoon and use it as a universal sauce with gratin or omelets.

- Sauces with high liquid content may not be removable with a spoon.
Line the inside of a storage container with plastic wrap, pour sauce into container, remove by holding the wrap and cut the amount your need with a knife.

Spinach



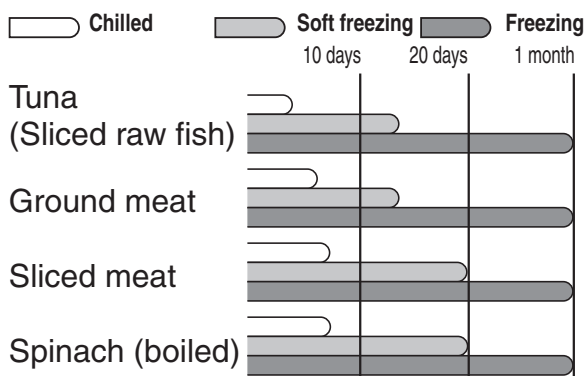
Boil spinach, place it in an airtight container and soft-freeze for later use in miso soup or butter saute.

Fermented soybeans and fried bean curd



Fermented soybeans can be mixed immediately after removal from the wine compartment. Chilled fermented soybeans can be quite tasty. You can cut the amount of fried bean curd you want to use.

Standard preservation period

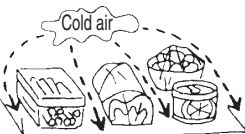


- Preservation period will vary depending on freshness of food and the storage condition of the refrigerator.

Note

Please pay attention to the following when using soft freezing

- Since food freezes takes place at approximately -7°C with soft freezing, it may take up to 24 hours for food to freeze completely.
- Open and close compartment doors with as low frequency as possible when you add items to the soft freezer.
- The degree of freezing may vary depending on the type of item, cooking method, arrangement of item (folded and layered or location of item), amount, and period of storage.
- Items may not freeze or may freeze too much (for cutting with a knife) depending on content of sugar, salt and fat.
- Items that have frozen too much can be cut with a knife if they are left in room temperature for 5-15minutes.



- Adjust the temperature in accordance with degree of freezing. page 9

When not frozen enough

SOFTF
H
Adjust soft freezing setting to "H" $1\sim 2^{\circ}\text{C}$ below "M"

Foods that do not freeze easily

- Food with high salt content, such as cod roe
- Food pre-seasoned with soy sauce or bean paste
- Food with high sugar content, such as stewed beans
- Food with high sugar content, such as bananas

When frozen too much

SOFTF
L
Adjust soft freezing setting to "L" $1\sim 2^{\circ}\text{C}$ above "M"

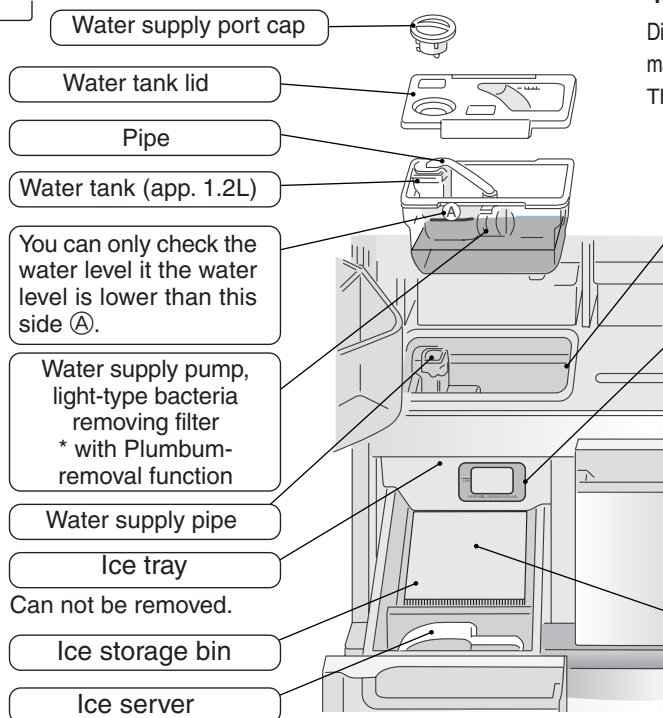
Foods that freeze easily

- Food with high water content, such as boiled vegetables
- Food with high water content, such as rice
- Large blocks of meat with low fat content, such as thigh meat

Using Compartments Ice Making Compartment



Ice Making Compartment



Your first batch of ice

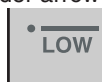
Discard the first 2-3 batches of ice you make or ice that is made after more than 1 week of nonuse (about 30 cubes). This ice often has bad odour or dust on it.

V-LED lamp

Bring light to light-type bacteria removing filter to prevent the bacteria from being bred in the water tank.

Tank Window

Refill the water when the water level is under arrow shown on the tank.



- You can see the water level when it is needed to be refilled. (Approx for 1 ice making level of water)
- If the water is not needed to refill, the level of water can not be seen.
- Check the water level at the height of the arrow shown on the tank.

Soundproof mat

Install the mat with its pleated-surface downward. Reduces the sound of ice dropping into the storage bin. Do not remove the mat.

Making Ice

1

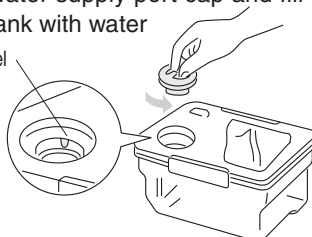
Select **REG ICE** or **CRL ICE** on the control panel page 9

- Initial setting of the ice making compartment at delivery is [REG ICE].

2

Remove the water tank. Remove the water supply port cap and fill the tank with water

Up to the full-level mark



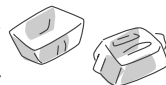
3

Replace the water tank holding it level

- Tipping the tank will cause water spillage.
- If the water tank does not fit properly in place, water will not be released. Check that there is no water or foreign material in the tank holder.

Short Notes for Users

- Ice made of water containing much mineral such as mineral water might cause white sediment (white crystal). This white sediment is a crystal of mineral ingredients, making no harm.
- The LED lamp comes on in the following condition:
 - When the door of the refrigerator compartment is kept open (However, the lamp goes out when the door is kept open for 5 minutes.)
 - Before and after feeding water into the ice tray
- If some pieces of ice stored long time, they will be stuck or become smaller. (This phenomenon is called "sublimation".)
- To cool the Ice Making compartment, set the target temperature between -30°C to -20°C when Quick ice making.
- The time required for making ice might be longer according to the frequency of closing and opening the door or the temperature around the refrigerator.
- The size of ice made for one time may vary with the water amount in the water tank or the inclination of the refrigerator position.
- The quickly made ice may be cracked or split due to fast freezing.
- The ice is such a shape as irregular and flat trapezium or rhombus.



About Crystal Ice

- There may be white sediment (white crystal) or bubbles inside the ice cube.
- In cases below, may cause clear ice into such white sediment ice.
 - When shifting from “Regular ice making mode” to “Crystal ice making mode.” (Initial is set to “Regular ice making mode”)
 - Ice made of water containing much mineral. (This white sediment is a crystal of mineral ingredients, making no harm.)
 - When surrounding temperature, status of use have changed.
 - When pieces of ice are stored long time in the ice storage bin. (Frost will cover the ice. If it is put into water, the frost will dissolve.)

When you want to maintain the clarity of the ice or the ice making time Operation  page 25

Ice making time

- Approximately time for making one set of ice (5-8 pieces)

Regular Ice making mode	Crystal Ice making mode	Quick ice making mode
90-120 minutes	6-9 hours	60-90 minutes

Clear ice is made slowly to increase the clarity of the ice cube.

- Ice making time can increase depending on the surrounding temperature and the status of usage.
- Please decrease the number of opening the door when making clear ice.

To Stop the Operation Halfway through • To make ice again.

MODE

1

Press  button to display the Ice Making compartment.

SELECT

2

Press  button repeatedly. When you want to stop making ice to make **ICE(STOP)** blink.

To start making ice again, make **REG ICE** or **CRL ICE** blink.

After a while, the indicator changes from blinking to lighting and your selection is set. A “beep” sound is heard.

 page 9

To Make Ice Fast (Quick ice making)

MODE

1

Press  button to display the Ice Making compartment.

SELECT

2

Press  button repeatedly and make **REG ICE** blink.

After a while, the blinking display will stay lit. **QUICK**

3

Press  button

The **QCK ICE** indicator turns on.

It automatically completes after operating for about 9 hours, when the ice storage bin is full of ice (about 60 to 100 pieces) or when no water is left in the water tank.

QCK ICE light goes out and **REG ICE** will stay lit.

- The time for making ice varies with the room temperature where this product is installed or conditions to use.
- It might take 24 hours or more to make ice just after the installation of the product.

To use the Ice Making compartment as a refrigerator

Select the temperature mode to **REF** when you don't make ices in winter.

1

Remove the foods and ice in the water tank and ice making compartment.

MODE

2

Press  button to display the Ice Making compartment.

SELECT

3

Press  button and hold for about 3 seconds (until a “beep” sound is heard.) Then the **REF** indicator blinks and stays lit.

REF turns on after a while.

4

After about 1 minute later, clean the water tank and ice making compartment.

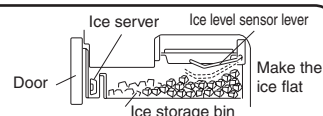
No cleaning will produce molding.

 page 21

- When you want to start making ice, see above.
- Temperature level display  icon keeps changing just right after selecting “REF” or returning to the original position until the temperature stabilizes.

Note

Please do not put anything deep inside the ice storage bin



- The ice level sensor lever will detect the ice storage automatically, and will stop ice-making when it reaches a certain amount. (60 to 100pcs.)

(It is designed so that the ice will not become full in the ice storage bin)

In order to detect the ice level correctly, please make the ice flat and put the ice server in the front of the ice storage bin.

Please do not pour anything like sugar, juice or tea apart from water in the water tank. (The water tank can withstand up to 60°C)



- If you pour anything apart from water into it, the water pump may become malfunction. Do not fill the water tank higher than the filled-level mark.

- Filling the water tank with a kettle while it is still in the tank holder, or filling it higher than the filled-level mark may cause “connected” ice to form.

Maintaining the Automatic Ice Maker

- Regular cleaning produces clean and delicious ice.
- Regular cleaning prevents water stains, molding, etc.

Cleaning once a week

Water tank

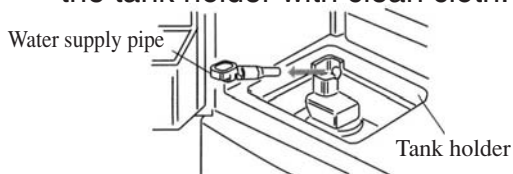
Remove the cover and wash with water (the tank can withstand up to approximately 60°C)



Cleaning once a month

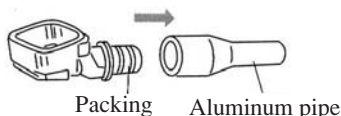
Water supply pipe / Tank holder

- 1 Pull out water supply pipe. Wipe the tank holder with clean cloth.



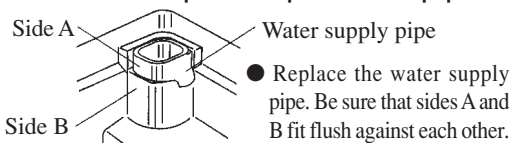
- Do not let water flow into the tank holder.

- 2 Separate pieces and wash with water.



- Twist on the aluminum pipe to replace it.

- 3 Reverse steps to replace the pipe.



- Replace the water supply pipe. Be sure that sides A and B fit flush against each other.

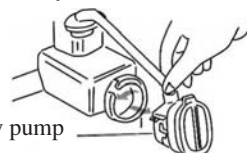
Cleaning once a month

Water supply pump / Light-type bacteria removing filter

- 1 Pull out the pipe.

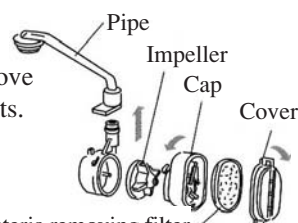


- 2 Twist the pump to remove it.



- 3 Pull out the pipe. Twist the cap to remove it. Take out the impeller and wash parts with water.

- The impeller is magnetic. Wash carefully to remove all foreign objects.



- 4 Remove the light-type bacteria removing filter and wash with water.

Normally the filter need not be replaced. However, replace it in the following conditions:

- When the filter is clogged by passing something other than water through the filter.
- When the filter is broken.

In such cases, contact the dealer that you purchased this refrigerator.

- 5 Reverse the steps to replace the pump.

- Improper reassembling might cause failed ice making or increased noise.

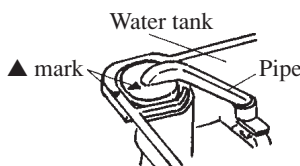
Note

Be sure to fit the pipe securely to the water tank. Make sure that no foreign object is found between the water supply pipe and the pipe junction.

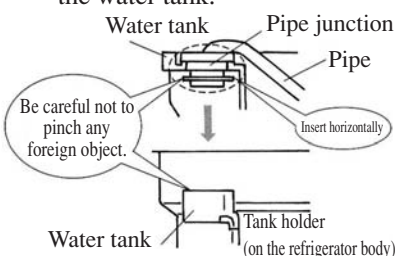
Improper fitting or any foreign object will produce a clearance between the pipe and the pipe junction to cause freezing of the water tank.

Follow the notes shown at right.

- Align the ▲ marks on the pipe and the water tank.



- Insert the pipe horizontally into the water tank.

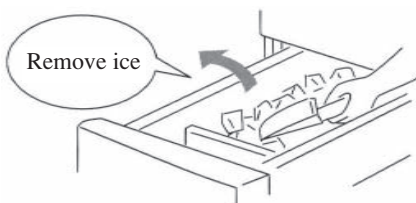


To clean (rinse) the ice tray

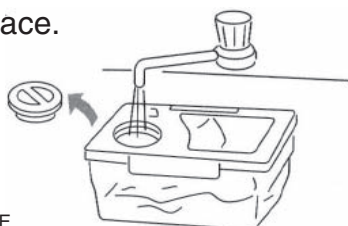
Note

When the setting of Ice Making compartment is "REF (Refrigerator)", this function is impossible.

- 1 Remove ice from the ice storage box and close the Ice Making compartment door.



- 2 Fill the water tank with water and set it in place.

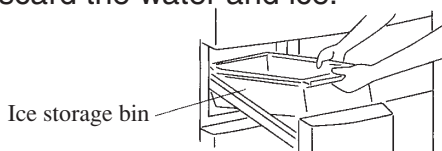


- 3 Press button on the control panel for about 5 seconds (until a "beep" sound is heard).

- The display of the ice making compartment will blink (for about 1 minute). (The ice tray will be cleaned by the water from the water tank.)
- A buzzer will sound when cleaning is complete. After blinking stops, you may hear a knocking sound. This is not a malfunction. (This sound indicates that the operation of coolant valve is being checked.)

- 4 Repeat step 3 2 to 3 times.

- 5 Remove the ice storage bin and discard the water and ice.



Note

Do not use kitchen detergent, benzene, bleach or other cleaning products to clean the light-type bacteria removing filter.

- The products above give ice odours.
- Be sure to read all instructions for detergents, bleach and other cleaning products you use to clean parts.

When the automatic ice maker will not be used for a long period of time

*Follow these instructions for transportation of the refrigerator as well.

Discard all the ice and water from the ice tray in the ice storage bin to empty the ice tray.

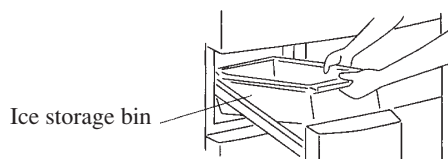
- 1 Remove the water tank and close the ice making compartment door.



- 2 Press button on the control panel for about 5 seconds (until a "beep" sound is heard).

- The display of the ice making compartment will blink (for about 1 minute). (The ice tray will be cleaned by the water from the water tank.)
- A buzzer will sound when cleaning is complete. After blinking stops, you may hear a knocking sound. This is not a malfunction. (This sound indicates that the operation of coolant valve is being checked.)

- 3 Remove the ice storage bin and discard the water and ice.



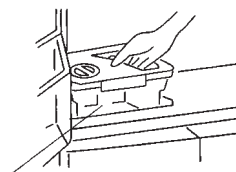
- 4 Set the ice making compartment to **ICE(STOP)**.

- When the ice maker is set to **REF**, no need to change the temperature control setting. page 19

- 5 When the water tank (water pump, pipe, light-type bacteria removing filter), water supply pipe, ice storage bin and soundproof mat with water. Dry carefully and replace parts.

- To restart the ice maker, set the temperature control of ice making compartment to

REG ICE. page 9 Put the water tank back to its original position.

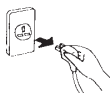


Removing and Maintaining the Accessories

Reverse removal procedures to reinstall accessories.

Before you start

Remove the power plug from the socket



Warning

Failure to remove the plug may result in electric shock.

Wait at least 10 minutes before you replace the power plug. The refrigerator will not operate if the plug is replaced immediately after it is removed.

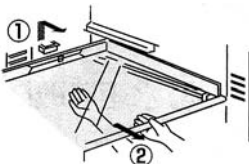
Maintenance and Cleaning

- Wipe or remove and wash parts with water.
- To remove oily deposits, wet a cloth with warm water or dishwashing detergent and wipe.
- Be sure to wipe off any detergent you used.
- Be sure to read all instructions and heed precautions for chemically treated disposable cloths you use to clean parts.
- Do not use alcohol, benzene, steel wool or alkaline-base detergents. They will cause damage to plastic parts and coating.
- Be sure to wipe off all oily deposits. (Oily deposits can cause plastic parts to break.)



Height adjustable shelf

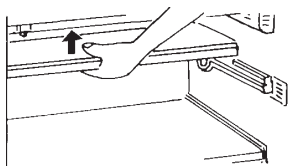
- ① Lift up the back part of the shelf, take off the hook.
- ② Pull it out toward you.



Three-way and two-way flexishelf

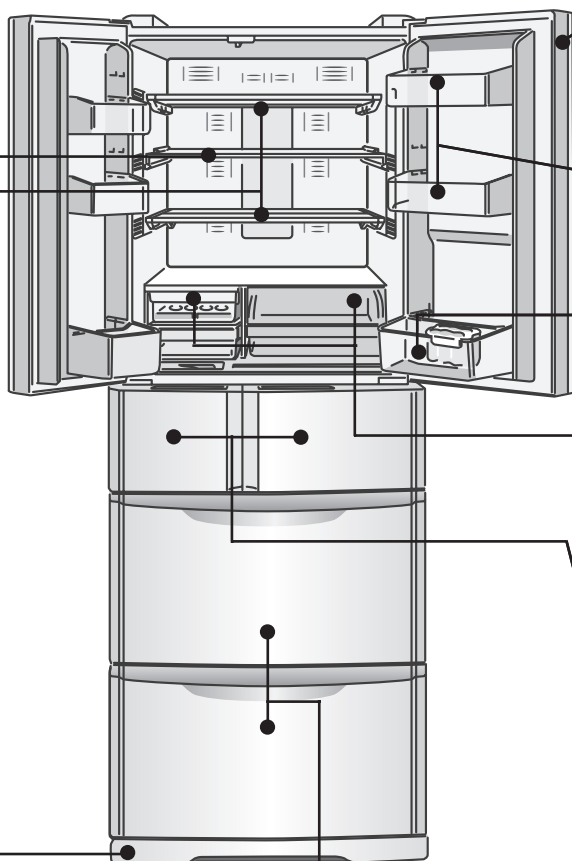
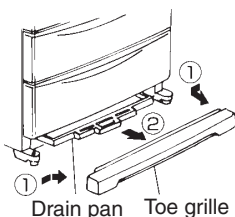
Three-way flexishelf
Push the shelf inward and lift.

Two-way flexishelf
Push the shelf inward, then lift and pull forward.



Drain pan

- ① Remove the toe grille by pressing the left and right sides inward while pulling forward.
- ② Hold the drain pan with two hands and pull out gently.

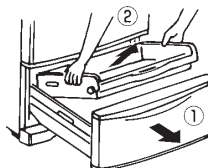


Vegetable and Freezer Compartment

Sliding case

Freezing case (upper)

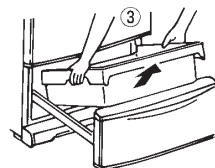
- ① Open the door all the way.
- ② Pull up and lift the case toward you.



Vegetable case

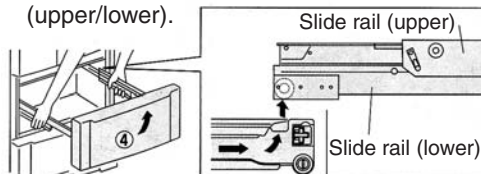
Freezing case (lower)

- ③ Pull up and lift the case toward you.



How to remove the door

- ④ Pull out the door holding slide rails (upper/lower).



※ Please take care not to be injured by the metal edge and gap of rails.

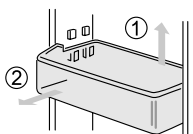
Door packing

Dirty packing is easily damaged and can cause refrigerated air to leak.



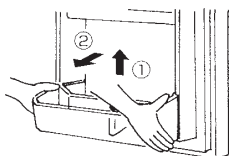
Free pockets

- ① Lift up the case.
- ② Pull it toward you.



Bottle pockets

- ① Lift straight up.
- ② Pull toward you.



Slide chilled case / Small Item Case

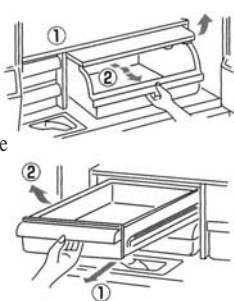
Sliding Case compartment

- ① Support the door with a hand.
- ② Lift up the door and pull it towards you.

* The upper shelf of the sliding case compartment cannot be removed.

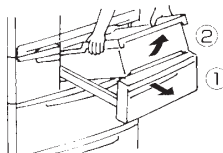
Small Item Case

- ① Pull the case till it stops.
- ② Lift up the case and pull it towards you.



Ice Making Compartment and Versa Compartment

- ① Open the compartment door all the way.
- ② Lift out holding the area closest to you.



Replacement of the power cord

- If the power cord is damaged, purchase a new cord from MITSUBISHI SERVICE CENTER. Make sure that the power cord is designed for this model.
- If the power cord is damaged, call our MITSUBISHI SERVICE CENTER for the replacement, in order to avoid a hazard.

Control panel

Wipe with a soft dry cloth.



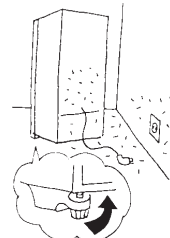
Drip Gutters

Wipe away all soil or drippings.



The rear of the refrigerator and the floor

- ① Turn the adjustable supports to lift them off the floor and move the refrigerator.
- ② Wipe away all soil from the rear of the refrigerator, the wall and the floor. Air circulation can cause dust to collect at the rear of and on the floor under the refrigerator, creating black soiled areas.



⚠ Caution

Do not put your hands underneath the refrigerator. Doing so can cause injury.

Replacing the interior light bulb

- ① Remove the plug.
- ② Remove the height adjustable shelf and three-way flexishelf.
- ③ Press the ▲ tab upward as you pull the cover forward.
 - Please purchase a 240V 10W glass light bulb (metal cap E-12) at a local retail store.
- ④ Replace the interior light bulb
- ⑤ To replace the cover, insert the upper tabs and then the lower tabs.



Replacing LED in Vegetable compartment

Please contact the retail store at which you purchased it or a Mitsubishi Electric Maintenance Service or Customer Service representative.

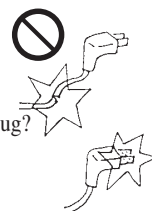
⚠ Warning

Using non-designated interior light bulbs can cause fire. Non-removal of plug before changing interior light bulb can cause electric shock or injury. Just in case of refrigerant-leakage, explosion or fire can be caused.

After Maintenance

Inspect the power chord, plug and outlet

- Is the power chord or plug damaged?
- Has dust collected on the power plug?
- Is there abnormal heat build-up in the power plug?
- Is the outlet coming loose?
- Have you properly reinserted the power plug?



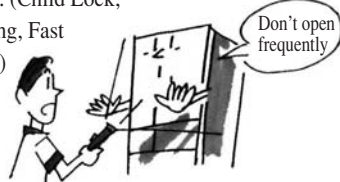
⚠ Warning

Damaged power chords or plugs, and dust collected on plugs can cause electric shock or fire.

What to do

Electric power goes out

- Refrain from frequently opening and closing the refrigerator doors, and avoid storing additional items.
- Setting for modes other than temperature may change. Please check. (Child Lock, Energy-Saving, Fast Cooling, etc.)



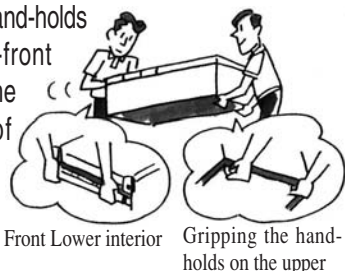
The unit will not be used for a long period of time

- 1 Clean the automatic ice maker. page 21
- 2 After removing the power plug from the outlet, clean the interior of the unit. Leave the doors open for 2 to 3 days to sufficiently dry the interior of the unit.
 - * Failure to sufficiently dry the interior of the unit can cause molding, odours, and coolant (gas) leakage due to corrosion of the condenser.



Transporting the unit

- 1 Discard the water and ice in the water tank and the ice tray. page 21
- 2 Wear the protector such as work-gloves.
- 3 Discard water collected in the drain pan. page 22
- 4 Gently transport the unit with 2 or more people, gripping the hand-holds on the lower-front interior and the upper-rear of the unit.



- Do not lay the unit on its side (doing so can cause malfunction of the compressor)

⚠ Warning

It uses flammable refrigerant, do not damage the refrigerant circuit.

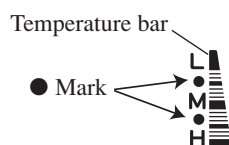
- If the gas leaks, ignition or explosion may be caused.

To make fine adjustments of temperature (Fine Adjustments mode)

You can set fine adjustment mode for the refrigerator, freezer or versa compartments when selecting settings for "REF" or "FZR".

Setting to fine adjustment mode

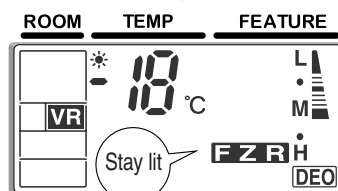
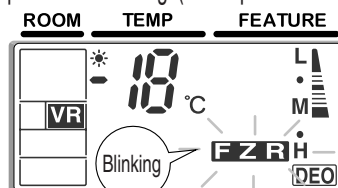
- 1 Press **MODE** button and select the refrigerator.
- 2 Press **SELECT** and **ECO** buttons simultaneously for about 3 seconds (until a "beep" sound is heard).
The ● mark will come on.



Follow the operation explained above

Fine temperature adjustment

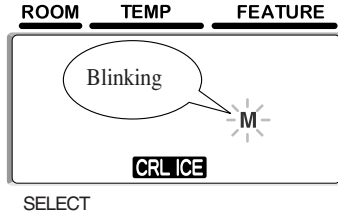
- 1 Press **MODE** button and display the required compartment for temperature adjustment.
- 2 Press **SELECT** button repeatedly and adjust temperature.
- 3 When selecting the versa compartment, the light of the temperature control display first blinks and then stays on to perform the setting. (A "beep" sound is heard.)



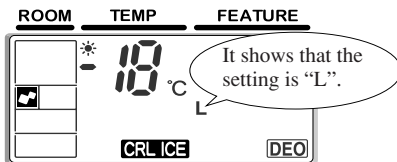
Specifications

When you want to make high clarity ice or fasten the speed making high clarity ice

- 1 Press and and simultaneously for 3 seconds (until a “beep” sound is heard)



- 2 Press button when you want to make high clarity ice set to “H” speed up making clear ice set to “L” the light of the high, medium, low control display first blinks and then stays on to perform the setting (a “beep” sound is heard)



* When set to “M”, the light does not appear on the control panel.
Table of high clarity ice and making time set at each mode.

Display	Time of making ice	Degree of clearness (the percentage of clearness area of the ice)
L	Faster than “M”	70-80% of the ice
M	Approx 6-9 hours	80-90% of the ice
H	Slower than “MED”	Over 90% of the ice

● Initial is set to “M”

When [E56] or [DEMO] appears on the LCD or the alarm does not stop

Please contact the retail store at which you purchased the refrigerator or a Mitsubishi Electric Maintenance Service or Customer Service representative.

MODE

- When the alarm does not stop, press the button for 5 seconds for the alarm to stop.
After the alarm has stopped, Please contact the retail store at which you purchased it or a Mitsubishi Electric Maintenance Service or Customer Service representative.

	Accessories	Units
Refrigerator Compartment	Height adjustable shelf	1
	Three-way flexishelf	1
	Two-way flexishelf	1
	Slide chilled case	1
	Lid of slide chilled case	1
	Water tank (with light-type bacteria removing filter) * With Plumbum-removal function.	1
	Free pocket (L)	2
	Free pocket (S)	2
	Small item case	2
	Free egg shelf	2
Ice Making Compartment	Bottle pocket (L)	1
	Bottle pocket (S)	1
	Tube stand	1
	Ice storage bin	1
Versa Compartment	Soundproof mat	1
	Ice server	1
Vegetable Compartment	Versa case	1
	Aluminum tray	1
	Vegetable case	1
Freezer Compartment	Sliding case	1
	Vegetable stand	1
Freezer Compartment	Freezing case (upper)	1
	Freezing case (lower)	1
Freezer Compartment	Drain pan	1
	Toe grill	1

Troubleshooting

If situation does not change even after troubleshooting, immediately contact a representative of the retail store where purchase was made.

When	Check the following	Solutions and reasons
Unit does not cool at all	① Is the unit receiving power?	① Check the power plug and the main power supply.
Unit does not cool sufficiently; unit does not produce ice or ice melts	① Is temperature set to "L"? ② Have you just begun using the unit? ③ Have you blocked the flow of refrigerated air or left the door open? Have you impeded heat ventilation?	① Change setting to "M" or "H". ② It sometimes take 4-5 hours for unit to cool and up to 24 hours for ice to make in the summer. ③ Check that the unit is not excessively packed with food items and that the doors are not ajar. Also, refer to pages 4,5 to check that installation was properly executed.
Ice maker does not produce ice or produces very little ice; water level in water tank does not decrease (ice is not produced at all for 3 or more days)	① Is the tank set properly in place? ② Have you left food or the ice server laying in the ice storage bin? ③ Is the ice making compartment set to "ICE (STOP)" or "REF"? ④ Is the ice making compartment set to "CRL ICE"?	① Refer to page 20 ② Assume that there is sufficient ice in the storage bin. Remove foods, etc. from the storage bin. Level out the ice evenly in the storage bin. ③ Set to "REG ICE" or "CRL ICE".  page 19 ④ High Clarity ice takes longer time to be made than usual ice. (approx 6-9 hours)
Items in compartments other than the freezer compartment begin to freeze	① Is the refrigerator compartment set to "H"? ② Is the versa compartment set to "SOFT F" or "FZR"? ③ Is surrounding air temperature less than 5°C? ④ Have you placed items with high water content in the back of the unit?	① Change setting to "M". Keep in mind that temperature temporarily drops during QUICK MODE. ② Change to "REF•VEG" or "CHILL". ③ Set refrigerator compartment to "L" to prevent freezing. ④ Store vegetables, fruit, items with high water content and beverages in the front of the unit.
Control panel temperature display changes suddenly	① Has the temperature setting changed even though the doors of the unit are closed? ② Do you open the doors of the unit frequently? ③ Is the unit set to fast cooling mode?	① Temperature may change when the converter starts or stops, when surrounding air temperature changes, or before and after operation of the automatic defrost function. ② Refrain from opening and closing doors until the unit cools. ③ Temperature may temporarily drop during "QUICK" mode.
Moisture or frost collects on the interior or exterior walls of the unit.	① Do you open the door frequently or is the door ajar? ② Is it a rainy or highly humid time of year?	① Moisture or frost can collect even if the door is only slightly ajar. Refer to page 4. ② Moisture may temporarily collect on the unit. Wipe with a dry cloth.
You are concerned by strong odours (from food or ice)	① Have you placed items with strong odours inside the unit without covering them with plastic wrap? ② Is the water tank clean?	① The deodoriser can not completely remove extremely strong odours, so be sure to cover with plastic wrap. ② Perform maintenance and clean regularly.
Ice is dented, comes out cloudy small melts	① Ice is dented or 2 or 3 pieces of ice are stuck together.  ② Ice is cloudy. Have you used mineral water to make your ice? ③ Ice is small or melted.	① The ice maker plate is equipped with a conduit for even water flow. ② Mineral water sometimes produces ice with white sediment. This is not harmful. ③ Ice shrinks when it is left standing for long periods of time.

When	Check the following	Solutions and reasons
The door is easy to open. The door will not close.	① Does any food come in contact with the refrigerator door? Are too many foods stored in the refrigerator? ② Is any food dropped into the back side of the sliding door, or is the power cable placed between the unit and the door? ③ Is the unit installed properly? Are the adjustment legs right on the floor?	① Be careful not to stick any stored foods out of the shelves or cases. ② Remove the dropped or pinched items. Be careful not to pinch foods, power cables or plastic bags. ③ Pull the front adjustment legs out to set the refrigerator with the slightly longer front legs, causing easier door closing.  page 5
The water tank or the water supply pipe freezes	① Is the pipe installed on the water tank securely? Is there any foreign object between the pipe and water supply pipe? ② Is any food dropped into the back side of the freezer case?	① Improper installation or any foreign object might produce a clearance. Then the cold air can flow backward to cause freezing.  page 20 ② The cold air flows backward to cause freezing. Remove the dropped food.
Your television picks up noise	① Is your television or other appliances located near the refrigerator? ② Is the refrigerator's power outlet close to the antennae drop area?	① Relocate unit at a distance from televisions and other appliances. ② Use a dedicated power source and ground the unit.
Noise is loud; the unit makes disturbing sounds; the following sounds are normal	① Sounds suddenly get louder or tone changes during first operation, when temperature is hot, when doors are opened and closed frequently, during QUICK MODE, etc. ② Rattling, squeaking sounds sometimes (every 1-2 hours) ③ Choking, squeaking sounds after turning on power, sometimes during ice making (every 1-2 hours) ④ Whistle sounds after closing doors, etc. ⑤ Hissing, bubbling sounds sometimes ⑥ Sound like dripping water sometimes when doors are opened ⑦ Tapping sound (approximately 1-10 times) after turning on power, sometimes while unit is running, during cleaning of ice maker plate, etc. ⑧ Sounds like buzzing mosquitoes	① The unit has switched to high-speed operation for powerful cooling. ② These are sounds made during automatic ice making. The unit's automatic ice maker and pump make a sound every 100 minutes or so, regardless of whether or not the tank is filled with water. ③ These are sounds made during automatic ice making operation check. This sound is made even during "ICE (STOP)" mode. ④ This is a sound made when the fan motor stops and starts. ⑤ These are sounds made during gas flow. ⑥ This is a creaking sound made when warm air has penetrated the unit, causing plastic parts to expand. ⑦ This is a sound made during coolant valve operation check. ⑧ The sound is made when the air control damper operates.
The outer walls heat up; wind blows from the floor	① The unit is equipped with side and ceiling heat ventilation prevention piping and on bottom with a fan to promote heat ventilation. When unit is first operated or during the summer, exterior walls become especially hot (approximately 50-60°C) and warm air can flow from below the unit. These are necessary devices for cooling the unit; resulting heat is not abnormal.	
The water tank and water supply pipe become warm.	The anti-freeze heater is turned on. This is a normal phenomenon.	

Safety Precautions

- Danger and the degree of danger caused by improper handling are categorized and described by the following indicators.

Warning

Improper handling can result in death, serious injury, etc.

Caution

Improper handling can result in fatal damage or harm to house, household furnishings, etc

- Meaning of symbols



Never do



Never touch



Never attempt to dismantle, repair or alter



Never bring into contact or wet with water



Never touch when your hand is wet



Be sure to follow instructions for execution



Be sure to remove the power plug from the socket

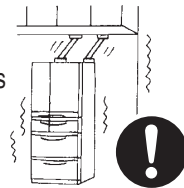
- In the case of malfunction or defect, immediately shutdown the refrigerator and consult the retail store at which you purchased it or a Mitsubishi Electric Maintenance Service or Customer Service representative.

Warning

Anchor the refrigerator to a strong wall or posts to provide against damage during earthquakes

The refrigerator can tip over and cause injury.

☞ pages 4, 5



Tip-resistance

If the power cord is damaged, call our MITSUBISHI SERVICE CENTER for the replacement.

If the power cord is damaged, purchase a new cord from MITSUBISHI SERVICE CENTER. Make sure that the power cord is designed for this model.

☞ page 4



Service Call

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

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

☞ page 5

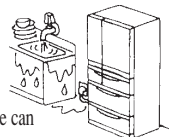
Only use an outlet that meets the specified rating.



Avoid installing the refrigerator in an easily wet or highly humid area

Insulation failure can cause electric shock or fire.

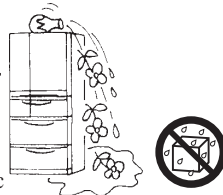
☞ page 4



Do not wet

Do not place containers with water on top of the refrigerator

Wetting electrical parts can cause electric shock or fire.



Do not wet

Do not wash with water or spill food liquids on the refrigerator

Water and food liquids can cause electric shock or fire.

Immediately wipe clean wet surfaces.



Do not wet

Do not place objects on top of the refrigerator

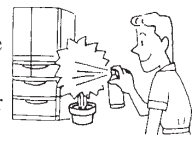
Objects may fall when doors are opened and closed and cause injury.



Prohibited

Do not place combustible sprays near the refrigerator

Pyrotechnic sparks from electrical contact can cause inflammation or fire.



Do not use

Do not hang on door or door handle; do not stand on compartment doors

The refrigerator may tip over and cause injury.



Prohibited

Do not store chemicals or scientific specimens in the refrigerator

Items that require strict management can not stores in household refrigerators.



Do not store

Do not place volatile inflammable objects inside the refrigerator

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



Do not store

Do not touch the machinery of the automatic icemaker (located above the ice server) and auto door shut

Can cause injury when icemaker plate revolves.

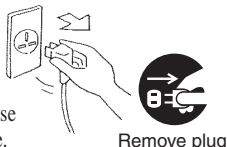


Do not touch

⚠ Caution

In the event of malfunction (when you detect a burning odour or other abnormality), remove the power plug from the socket and shutdown the refrigerator

Continued operation during malfunction can cause electric shock or fire.



Remove plug

Remove power plug before changing interior light bulb or maintenance

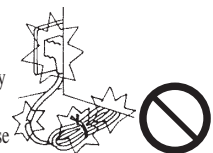
Non-removal of plug can cause electric shock or injury.



Remove plug

Do not press power cord with the back of the refrigerator. Do not damage power cord

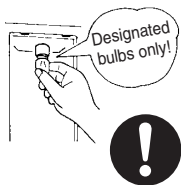
Pressing, placing heavy objects on, folding or bundling cord can cause electric shock or fire.



Prohibited

Use only interior bulbs with designated rating.

Using non-designated bulbs can cause fire.
 ☞ page 23



Designated products only

Do not use damaged cords, plugs, or loose sockets

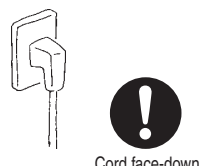
Can cause electric shock or fire.



Do not use

Turn the power cord face-down and insert prongs to the root of plug

Inserting plug upside-down places stress on the cord and can cause heat build-up and fire.



Cord face-down

Do not pull on the power plug or cord to unplug it.

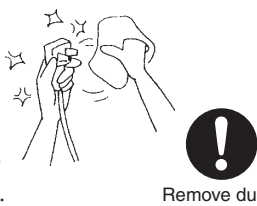
Can cause damage to the cord, electric shock or fire.



Prohibited

Remove dust from power plug

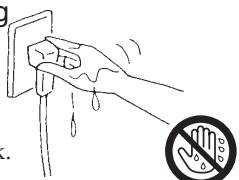
Dust can cause insulation failure, which may lead to fire.



Remove dust

Do not remove or insert power plug with wet hands.

Can cause electric shock.



Wet hands prohibited

If you notice gas leakage, do not touch the refrigerator. Open windows to ventilate

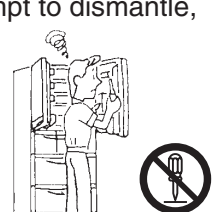
Pyrotechnic sparks from electrical contact can cause explosion or fire.



Ventilate

Do not attempt to dismantle, repair or alter

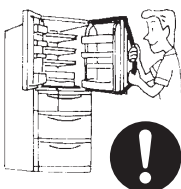
Can cause injury, electric shock or fire.



Do not dismantle

When refrigerator is not in use for a long period, pull off packing on the door

Children can be put in danger if they are trapped inside the refrigerator.



Remove packing

Anchor the refrigerator to a strong and level floor by adjusting the adjustable supports

Unstable anchoring can cause the refrigerator to move and lead to injury.

☞ pages 4, 5



Install level

Use transport hand-holds when transporting the refrigerator

Holding other parts can cause injury.

☞ page 24



Grip hand-holds

Do not excessively pack with food items, or remove shelves or open doors with excessive force

Can cause food items to fall and injury.



Prohibited

Do not place bottles in the freezer compartment

Can cause injury if content of the bottle freezes, causing the bottle to shatter.



Do not store

Do not eat smell discolored food

Can cause food poisoning or illness.



Prohibited

Do not touch food items or containers in the freezer compartment with wet hands

Can cause frostbite.



Wet hands prohibited

Do not put your hands or feet underneath the refrigerator

Steel plates, etc. can cause injury.



Do not touch

Close the door using the door handles

Be careful not to catch fingers in the door when you hold it. Can cause injury.



Hold door handle

MEMO

MEMO

- This appliance is designed for use in New Zealand only and cannot be used in any other country.
No servicing is available outside of New Zealand.
- This refrigerator uses flammable refrigerant and foaming gas for insulation. Please deliver the unit to specialized industrial waste dealer when you do away with it. Please follow the rules in your country.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.
- **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.
- **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 CENTER.



BLACK DIAMOND TECHNOLOGIES LTD.

Wellington
1 Parliament Street
Lower Hutt
Wellington
Phone: (04) 560 9100

Auckland
Unit 1, 4 Walls Road,
Penrose
Auckland
Phone: (09) 526 9340

Christchurch:
Suite 2, Level 1
37 Mandeville street
Christchurch
Phone: (03) 341 7052