

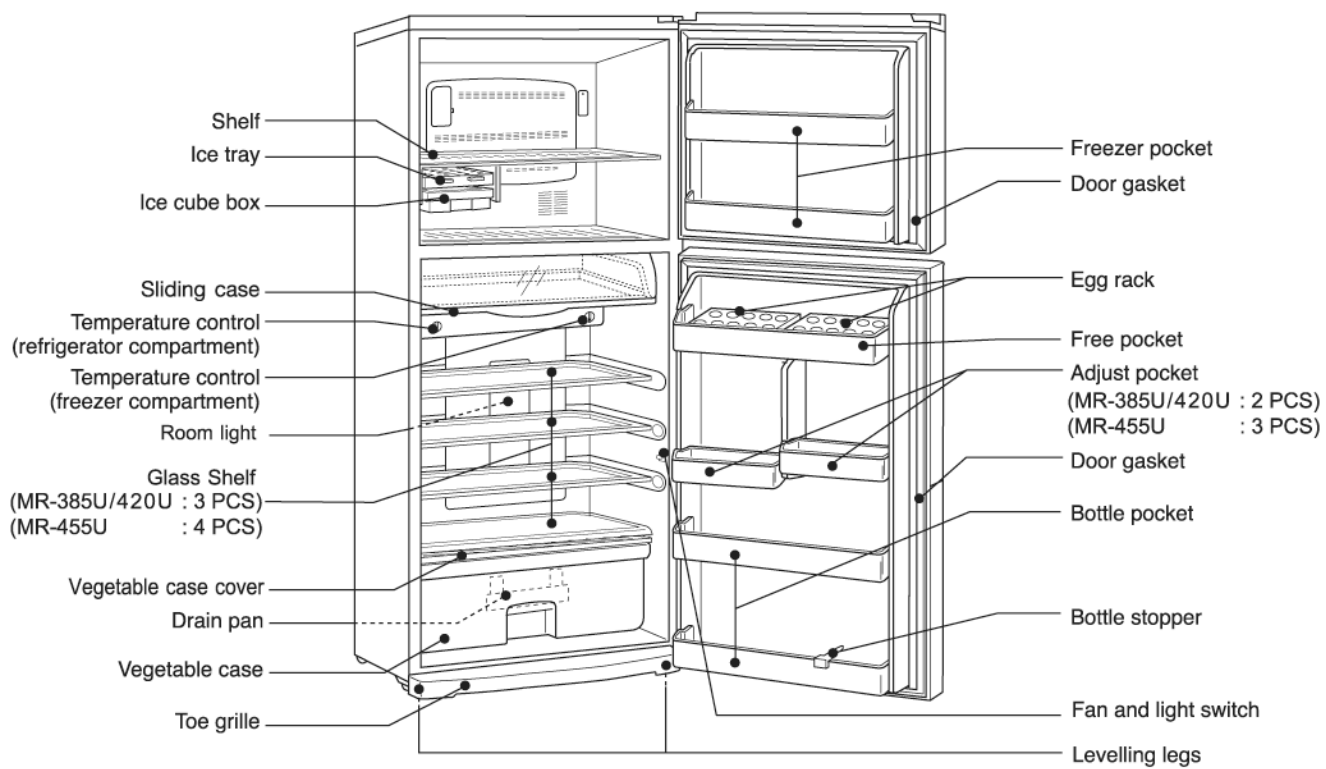
mitsubishi
Refrigerator-Freezers



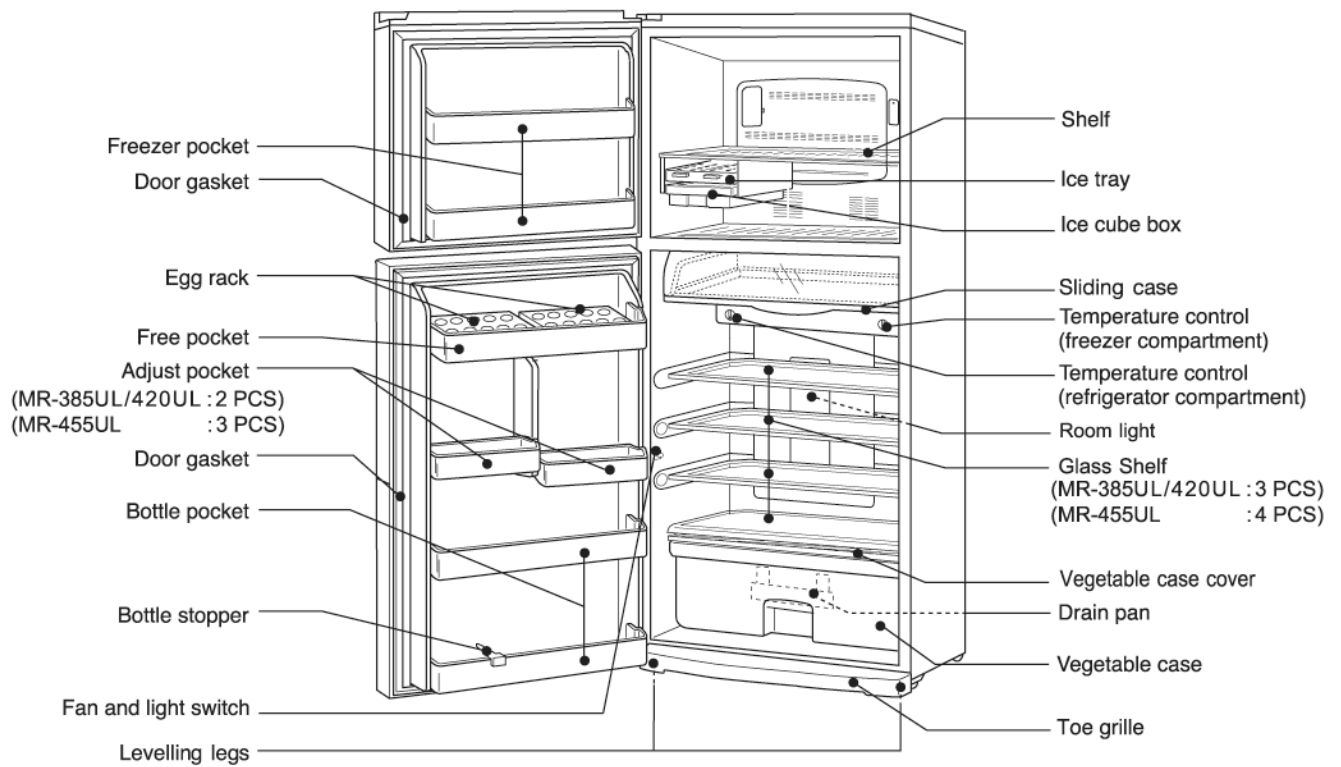
OPERATING INSTRUCTIONS

SERIES MODEL MR-385U, MR-420U, MR-455U
MR-385UL, MR-420UL, MR-455UL

1. Names of the parts



This picture shows Series Model MR-385U, MR-420U, MR-455U



This picture shows Series Model MR-385UL, MR-420UL, MR-455UL

2. Installation

- Install on a completely flat and rigid surface.
- Level the refrigerator by rotating the levelling leg located in the front of the right corner.
The refrigerator is then solidly positioned.
- To ensure adequate ventilation for your refrigerator, it is recommended to provide space of 20 mm on both sides, 50 mm at the back, and space of 100 mm above the refrigerator. This will prevent unnecessary consumption of electricity.
- Choose a location which is not exposed to the sun, which is relatively free from dust, heat and humidity, and which offers good ventilation. This is to guarantee that the heat radiation will not be impaired.

3. Electrical connection

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

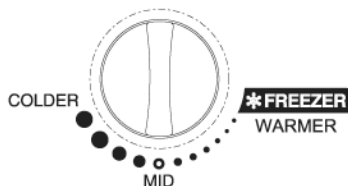
- The refrigerator should always be plugged into its own individual electrical outlet.
This is recommended for best performance and also to prevent overloading of the house wiring circuits, which may cause a fire hazard. Extension cords are not recommended.
Be sure that the proper voltage is provided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

4. Operation

1. Temperature control

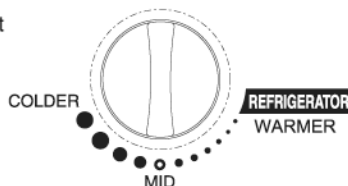
- Both the freezer compartment and the refrigerator compartment have a temperature control.
- "MID" is recommended for normal usage.
Turn the dial to "FREEZER COLDER" when keeping lots of frozen foods, ice cream etc., in the freezer compartment.
Turn the dial to "FREEZER WARMER" when using the freezer compartment only for making ice.

Temperature control of freezer compartment



- "MID" is recommended for normal usage.
Turn the dial to "REFRIGERATOR COLDER" if you want items to be colder in the refrigerator compartment.
Turn the dial to "REFRIGERATOR WARMER" if your items are too cold or freeze in the refrigerator compartment.

Temperature control of refrigerator compartment



2. Automatic defrosting

Thanks to the built-in automatic defrosting timer and the defrosting heater, defrosting is performed automatically in this refrigerator.

There is, therefore, no need to defrost it. Water produced during defrosting passes through the drainage hose at the rear and collects in the drain pan at the lower part of the refrigerator's back.

Then, it automatically evaporates with the heat from the radiator.

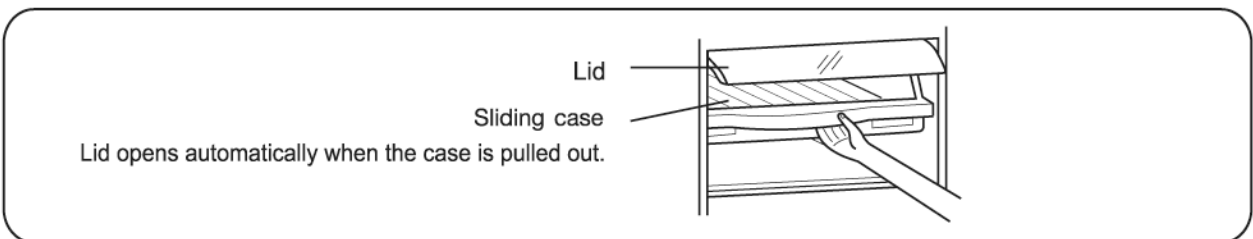
3. Ice making

- Pour water into each of the sections of the ice tray up to the water line. Insert the tray completely into the ice tray holder. (The ice cubes will not separate easily from the ice tray if you add too much water.)
- Once the ice cubes are made, turn the lever until the ice cubes fall into the ice cube storage box.
- The ice cube storage box will break if you attempt to make ice directly in the ice cube storage box.



4. Sliding case

- This sliding case is cooled down to low temperature preserve freshness of foods stored for a long time.



CAUTION:

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

- Remove the lid and sliding case for cleaning using the instructions and figures below.
- Partly pull the case out so that you can get hold of the lid. With one hand holding the centre of the lid, move the lid to one side of the cabinet. Then gently pull the lid centre toward you while using the other hand to push in gently on the opposite end of the lid to free the pivot from the cabinet. Now the whole lid can be removed. (see Fig 1.)
- Pull the case as far as it will go then gently lift the case upwards to free it from the cabinet.

Fig. 1

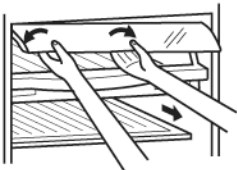
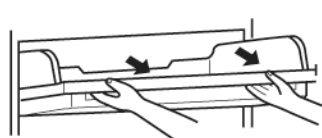


Fig. 2

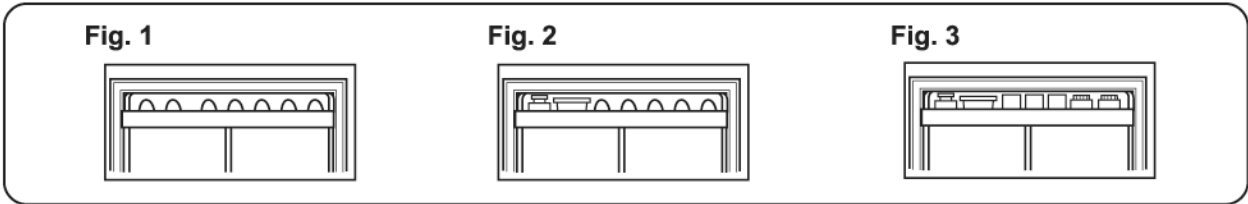


5. Door racks

The door racks can be used to store all those little things that seem to get in the way. If you put small items in one place, you will find that there is more room inside the refrigerator for the larger things.

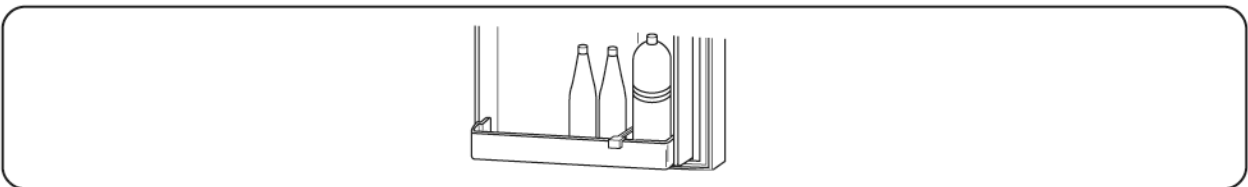
Free pocket with egg tray

- The free pocket can hold many eggs. (Fig. 1)
- If you turn half the egg tray over, you will be able to store small items along with eggs. (Fig. 2)
- You can even turn the whole egg tray over and store small items in the free pocket instead of eggs. (Fig. 3)



Bottle pocket

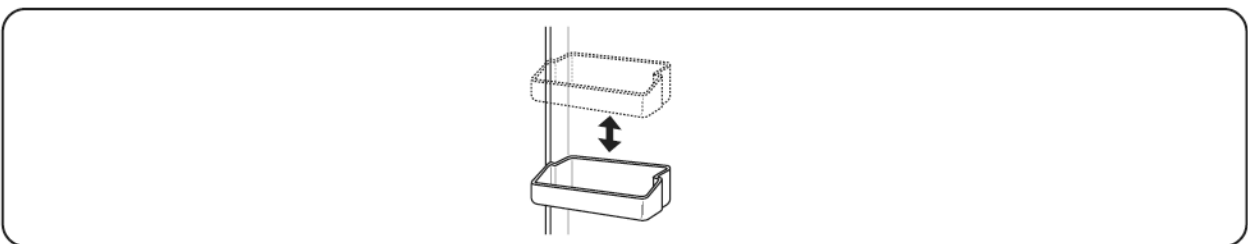
- There are some spaces for large bottles at the right.
- The bottles are stored at an angle so that it is easy to put them in and take them out.



Depending on the type, commercially sold water cooler bottles may touch the shelf or foodstuffs when placed in the door pocket, preventing the door from closing firmly.

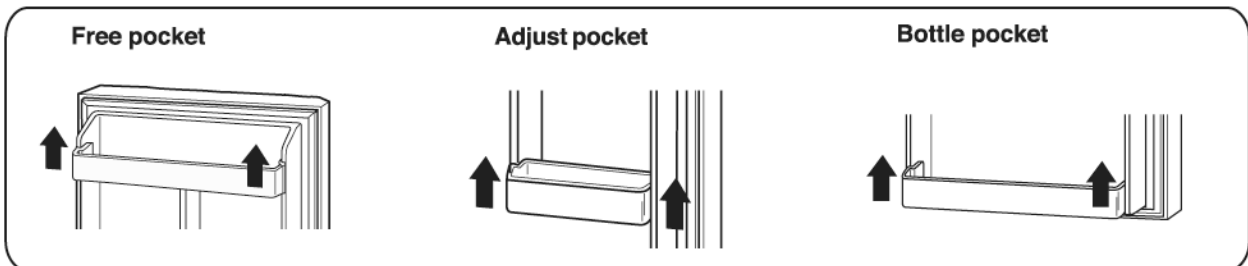
Adjust pocket

- The height of the shelves can be adjusted up and down to store food of various sizes.
- Large food containers such as beer bottles can be accommodated in the upper bottle pocket if you install the adjust pocket in the upper position.



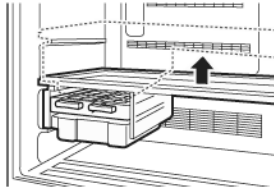
6. How to remove pockets

- Remove the door racks as in the figures to proceed with cleaning.
- This pocket comes off by pushing it lightly upward.



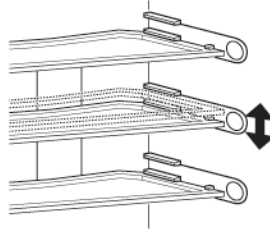
7. Ice making corner shelf

- The height of the shelf can be adjusted up and down to store food of various size.



8. Shelf (Refrigerator)

- The height of the shelves can be adjusted up and down to store food of various size.



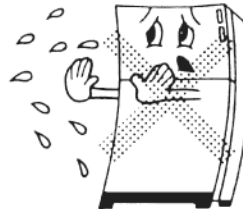
5. Maintenance

When performing maintenance, make absolutely sure that the power plug is first disconnected from the power outlet.

- Dip a soft cloth into cold or lukewarm water, wring it out well and wipe.
- If you do not clean the door gasket (especially the lower part) when it is dirty, the gasket will get easily damaged. Therefore, keep it clean at all times.
- Do not clean with cleanser, acids, benzine, thinner, boiling water, soap powder, chemical cloths or neutral detergents. These will damage the paint finish and material of your refrigerator.

CAUTION

Do not apply water directly to the refrigerator.
This may result in a breakdown, power leakage or fire.



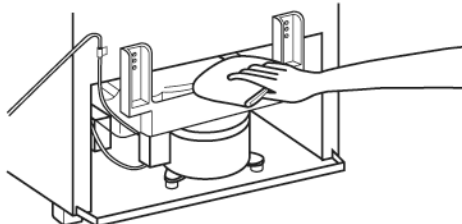
- The drain pan gets dirty very easily and if it is not cleaned regularly, bad odours will be produced. Get into the habit of cleaning this pan regularly.

1. How to clean the drain pan

- Pull the refrigerator away from the wall.
- Clean the drain pan, by gently using a dry cloth to absorb the water until drain pan empty.
- Clean drain pan again by dry cloth until clean.

CAUTION

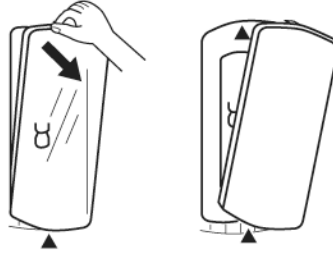
Don't apply water direct to Electric connection and Compressor, it might be electric shock during cleaning, also be careful not to bend the copper tubing.



2. How to replace the room light

Important: Unplug the power cord. Failure to unplug the power cord may cause an electric shock.

- Press down on cover latch at the top centre of the cover and pull out.
- Remove the room light at the right of the temperature control inside of the refrigerator compartment.
Purchase a room light of 240V/15W (capE-12) from a store.



6. Suggestions for safety

The suggestions below apply to the operation of your home electric refrigerator.

Mitsubishi Electric Corporation recommends these safety precautions.

- If your old refrigerator is still around the house but not in use, be sure to remove the door(s). This will ensure that children will not get trapped inside.
- Never unplug your refrigerator by pulling on the wire. Always take hold of the plug firmly and pull it straight out of the receptacle.
- Do not operate your refrigerator in the presence of explosive fumes.
- Fizzy drinks should not be frozen.
- Avoid immediate consumption of ice lollies and other similar frozen food items.
- If the power cord is damaged, call our Mitsubishi Service Centre to arrange for it to be replaced in order to avoid a hazard.
- Keep ventilation openings, in the appliance enclosure or in the built in structure, clear of obstructions.
- Do not use mechanical devices or other means to accelerate the defrosting process.
- Do not use electrical appliance inside the food storage compartments of the appliance. unless they are the type recommended by the manufacturer.
- This appliance is not intended for use by young children or infirm person unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely.
- Young children should be supervised to ensure that they do not play with the appliance.
- This refrigerator uses flammable foaming gas for insulation.
- Please deliver the unit to specialized industrial waste dealer when you wish to dispose of it.
- Please follow the rules in your country. If not properly disposed of and a refrigerant leak happens, it may cause ignition or explosion.

7. Troubleshooting

When the refrigerator does not operate

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

When the refrigerator is cooling excessively

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

When you hear a sound like water flowing

- A sound like water flowing is the refrigerant (cooling gas) flowing. It does not indicate a malfunction.

When the refrigerator is not cooling sufficiently

- The food may be packed too tightly together which will block the flow of cool air.
- You may have put something hot or a lot of foodstuffs into the refrigerator.
- The door may not have been closed properly.
- The door gasket may be damaged.
- The refrigerator may not be well ventilated.
- There may be insufficient clearance between the refrigerator and the surfaces immediately beside and above.
- The temperature control dial may not be set properly.

When condensation forms on the outside of the refrigerator

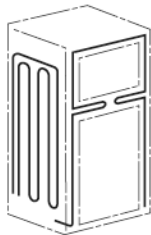
- Condensation may form on the outside when the humidity is high, such as during a wet season. This is the same result as the condensation formed when chilled water is poured into a glass. It does not, therefore, indicate a failure. Wipe dry with a dry cloth.

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

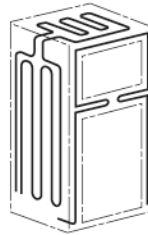
- When the power plug is disconnected from the power outlet and then immediately plugged in again, the compressor may not start up again. Therefore, when unplugging the power plug, always wait at least 5 minutes before plugging it in again. (If the compressor ceases to rotate completely, keep the power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

When the refrigerator's cabinet front heats up

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



**MR-385U
MR-385UL**



**MR-420U , MR-455U
MR-420UL, MR-455UL**

When the cabinet's side panel heats up

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

When you hear a noise from the refrigerator's fan grill

- As part of the cooling operation a fan runs at times causing a small increase of noise. This is normal.

When you hear some noise occurring when the refrigerator's door is open

- When the room temperature is very warm and the refrigerator's door is open, the change in temperature may cause some creaking noise as the plastic parts expand. This is normal.

When you hear a noise from the lower rear of the refrigerator

- As part of the cooling system is a compressor that, when it operates, does make 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.

Energy saving mode

- When the door is not opened often and the room temperature is stable, the energy saving mode may start. The energy saving mode improves efficiency without affecting food preservation.

CAUTION

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

MODEL NAME	AMBIENT TEMPERATURE RANGE	CLIMATIC CLASS
MR-385U, 420U, 455U-A	16 °C ~ 43 °C	T
MR-385UL, 420UL, 455UL-A	16 °C ~ 43 °C	T

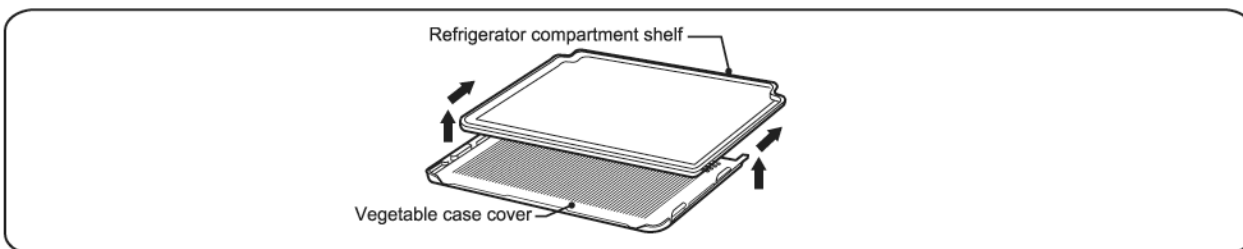
The internal temperatures could be affected by such factors as the location of the refrigerating appliance, ambient temperature and the frequency of door opening, and, if appropriate, a warning that the setting of any temperature control device might have to be varied to allow for these factors.

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 effect the inside temperature. However, open & close of the door results in the temperature loss. In case there is more than 24 hour 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.

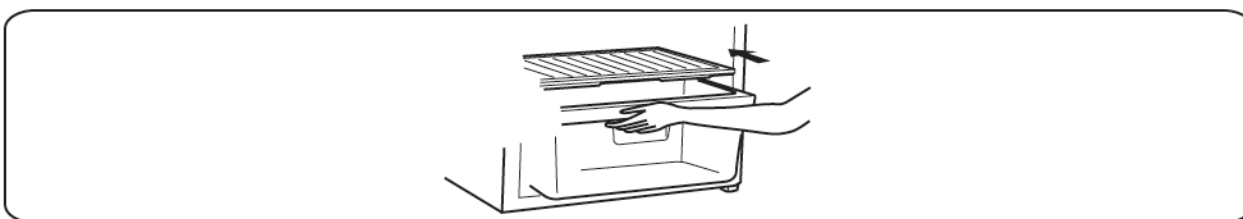
8. How to attach and insert vegetable case cover

Attach Vegetable case cover with compartment shelf. Insert the Vegetable case cover into the rails of Refrigerator compartment shelf, after that slide up the Vegetable case cover and fit to the compartment shelf.

As shown in the picture



Insert the attached Vegetable case cover and compartment shelf into the rails (both left and right) upon the vegetable case. Then insert the vegetable case.





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