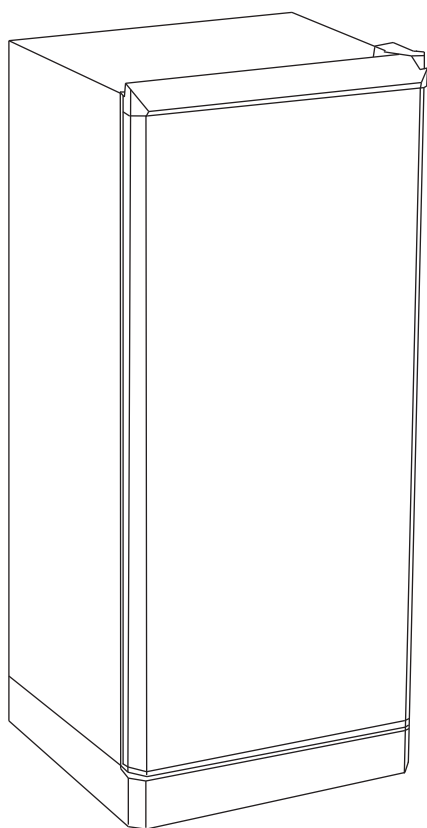


SHARP



SJ-N15S
SJ-N19S

REFRIGERATOR - FREEZER

OPERATION MANUAL

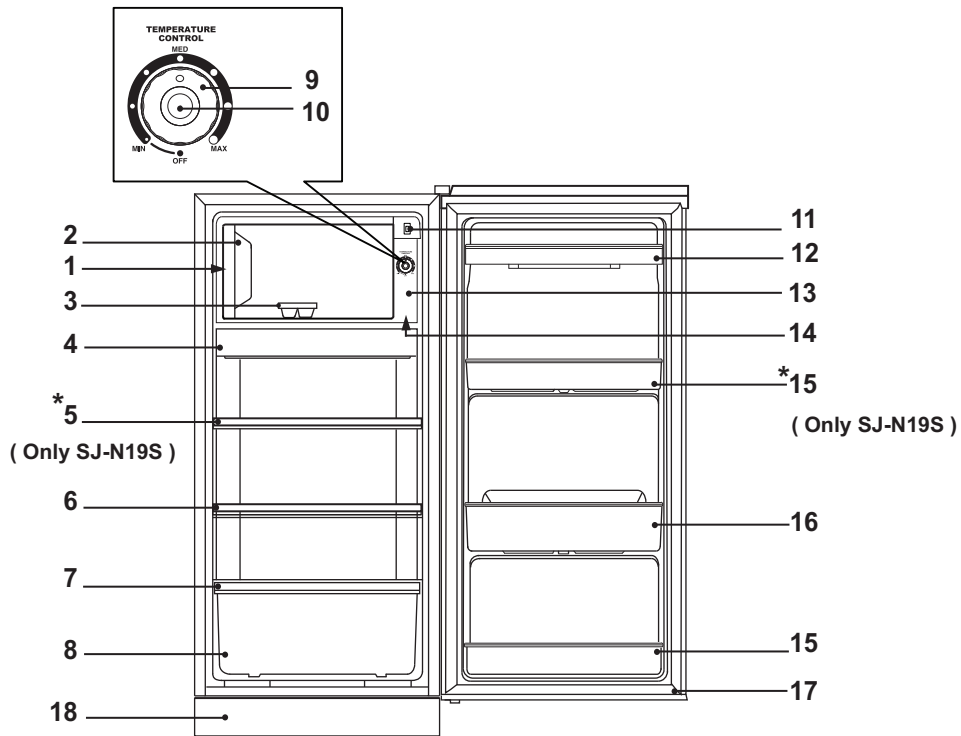
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Household use only
Free standing type

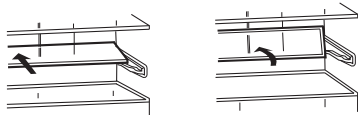
Thank you very much for buying SHARP product.
Before using your SHARP refrigerator, please read
this operation manual to ensure that you gain the
maximum benefit from it.

DESCRIPTION



SJ-N19S

- | | |
|--|--|
| <ul style="list-style-type: none"> 1. Defrost indicator 2. Freezer door 3. Ice cube tray 4. Fresh case * 5. Refrigerator shelf
(Only SJ-N19S) 6. Three way shelf
This shelf has three positions,
it can be partly or fully extended
or be fully folded away simply by
pushing the shelf back then lifting
it up. | <ul style="list-style-type: none"> 7. Vegetable shelf 8. Vegetable case 9. Temperature control knob 10. Defrost button 11. Door switch 12. Egg pocket 13. Freezer cover 14. Lamp * 15. Door pocket
[SJ-N15S ; 1 pc , SJ-N19S ; 2 pcs] 16. Bottle pocket 17. Magnetic door seal 18. Stand |
|--|--|



WARNING

1. Highly volatile and flammable materials such as ether, petrol, propane gas, adhesive agents and pure alcohol etc. are liable to explode.
Do not store these materials in the refrigerator.
2. Dust deposited on the power plug may cause fire. Wipe it off carefully.
3. Do not attempt to change or modify this refrigerator. This may result in fire, electric shock or injury.
4. When move or lift refrigerator, remove all shelves. The remained water inside refrigerator may leak to the floor and cause to accident. Check remained water and clean.
5. Ensure that the refrigerator presents no danger to children while being stored for disposal. (e.g. remove the door to prevent child entrapment.)
6. This refrigerator should be disposed appropriately. Take the refrigerator to a recycling plant for flammable insulation blowing gases.

CAUTION

1. Do not touch the compressor unit or its peripheral parts, as they become extremely hot during operation and the metal edges may cause injury.
2. Avoid touching the side wall cabinet as it may reach high temperature during normal operation.
3. Do not touch foods or metal containers in the freezer compartment with your wet hands. This may cause frostbite.
4. Do not use an extension cord or adapter plug.
5. Do not place bottled and canned drinks in the freezer as they may crack when frozen.
6. Make sure that the power cord has not been damaged during installation or moving. If the power plug or cord is loose, do not insert the power plug. There is a risk of electric shock or fire.
7. Disconnect from the mains electricity supply by removing the mains plug from the electricity supply socket. Do not remove by pulling the mains lead. This may cause electric shock or fire.
8. The refrigeration system behind and inside the refrigerator contains refrigerant. Do not allow any sharp objects to come into contact with the refrigerator system.
9. Should the supply cord be damaged, it must be replaced by service agent approved by SHARP as a special cord is required.
10. In case of gas leak, ventilate the area by opening a window, etc. Do not touch the refrigerator or the power outlet.
11. Avoid placing objects on the top that may damage with refrigerator and get injury from the objects falling down.
12. Do not force to put massive bottle into bottle pocket, During door closing or opening, the bottle pocket may come off and be injured.
13. This refrigerator is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the refrigerator by a person responsible for their safety. Young children should be supervised to ensure that they do not play with the refrigerator.

INSTALLATION

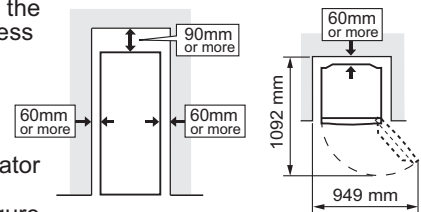
WARNING

- Do not install the refrigerator in a damp or wet location as this may cause damage to the insulation and a leak. Condensation may also build on the outer cabinet and cause rust.
- In order to prevent possible electric shock, install the grounding wire to the earth wire connecting screw at the rear of the refrigerator. (2 pin plug region)

NOTE :

- Allow the refrigerator for 2 hours before plug.
- When transporting, carry the refrigerator by holding the back and stand.
- Position your refrigerator so that the plug is accessible.
- Keep your refrigerator out of direct sunlight.
- Do not place next to heat generating appliance.

- Keep adequate ventilation space around the refrigerator.
- The figure shows the minimum required space for installing the refrigerator. It differs from the space in the measurement condition of the amount of power consumption.
- It is possible to use the refrigerator with a less amount of power consumption by keeping greater space.



- If using the refrigerator in the space below dimension of the figure, it may cause the temperatures in the unit to rise, loud noise, and failure.

Before using your refrigerator

Clean the inside parts with a cloth soaked in warm water. If soapy water is used, wipe it off thoroughly with water.

OPERATION

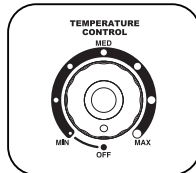
Controlling temperatures

The refrigerator controls its temperature automatically.

However, if needed, adjust the temperature as follows.

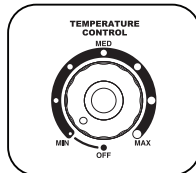
The temperature control is position " OFF "

- Stop the operation of the compressor.



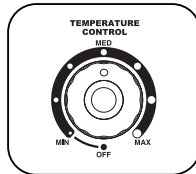
The temperature control is position " MIN "

- When storing a small quantity of food and the door is not opened frequently.
- For use in cold season when the out door temperature is comparatively low.



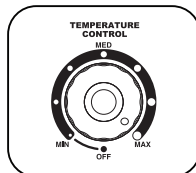
The temperature control is position " MED "

- For normal operation.



The temperature control is position " MAX "

- When require extreme cooling and storing abundant quantity of food.
- When not required, be sure to return the knob to the original position, otherwise all food may be frozen.



NOTE :

- The knob should not be beyond " MAX " position.
- When the knob is set at the " MIN " dew drops may be formed.
- If the refrigerator is operated for a long time with TEMPERATURE CONTROL set at " MAX " foods stored in the refrigerator compartment may also freeze.

Defrosting

The freezer compartment is required defrosting operation. When frost formed with the thickness of 5mm (as thick as the defrost indicator).

(Only SJ-N15S)

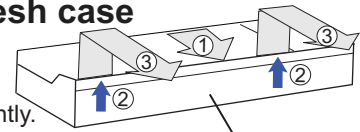
The water is discharged in the fresh case, and user must drain water from fresh case.

(Only SJ-N19S)

The water is discharged in the evaporating pan provided above the compressor, and evaporated by the compressor heat.

How to remove Fresh case

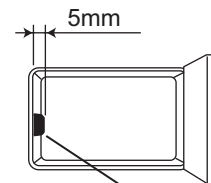
1. Slide the fresh case out to the end .
2. Lift the fresh case up slightly.
3. Remove the fresh case.



Fresh case

NOTE:

- Do not attempt to defrost the evaporator by the force, using knife or sharp metal.
- If the thickness got over the defrost indicator, defrosted water may overflow the fresh case. Pay due attention to this regard.

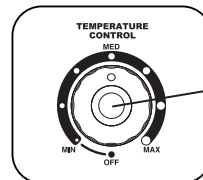


Defrost indicator

- Be careful not to defrost when frozen food is stored in the freezer compartment, otherwise it will thaw. Therefore, it is recommended to perform defrosting when no frozen food is stored.

PROCEDURE

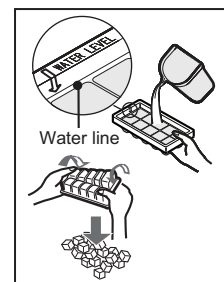
1. Take out the Ice cube tray and foods stored in the freezer compartment.
2. Push the defrosting button. After defrosting, cooling operation starts automatically.
3. To cancel the defrosting mode, turn the temperature control knob to " OFF " position. The defrosting button will be returned to origin. Then set temperature control knob to desire position.



DEFROST BUTTON
PUSH-START

How to make the ice

1. Pour the water into the cube tray to the water level line.
2. When the ice is made, twist the ice cube tray to take out the ice.



STORING FOOD

Refrigeration reduces the rate of food spoilage. To maximize the shelf life of perishable food products, ensure that the food is of the freshest possible quality. The following is a general guide to help promote longer food storage.

Fruit / Vegetables

To minimize moisture loss, fruit and vegetables should be loosely enclosed in a plastic material e.g. wrap, bags (do not seal) and place in the vegetable case.

Dairy Products & Eggs

- Most dairy products have a use by date on the outer packaging which informs the recommended temperature and shelf life of the product.
- Eggs should be stored in the Egg pocket.

Meats / Fish / Poultry

- Place on a plate or dish and cover with paper or plastic wrap.
- For larger cuts of meat, fish, or poultry, place to the rear of the shelves.
- Ensure all cooked food is wrapped securely or placed in an airtight container.

NOTE :

- Keep the door securely closed.

For best freezing

- Quality of foods should be fresh.
- Freeze small quantities of food at a time to freeze them quickly.
- Food should be properly stored or covered and the air should be removed to seal tightly.
- Evenly place the food in the freezer.
- Label bags or containers to keep an inventory of freezing food.

CARE AND CLEANING

WARNING

- **Unplug the refrigerator first to prevent electric shock.**
- **Do not splash water directly on the outer cabinet or the interior. This may lead to rusting and deterioration of the electrical insulation.**

IMPORTANT

To prevent cracking on inside surfaces and plastic components, follow these tips.

- Wipe any food oils adhered to plastic components.
- Some household chemicals may cause damage, so use only diluted washing-up liquid (soapy water).
- If undiluted detergent is used or soapy water is not wiped off thoroughly, cracking of plastic parts can result.

1. Remove the shelves and pockets from the cabinet and door. Wash them in warm soapy dishwashing water; rinse in clean water and dry.
2. Clean the inside with a cloth soaked in warm soapy dishwashing water. Then, use cold water to wipe off soapy water.
3. Wipe the exterior with a soft cloth each time it is soiled.
4. Clean the Magnetic door seal with a toothbrush and warm soapy dishwashing water.

NOTE :

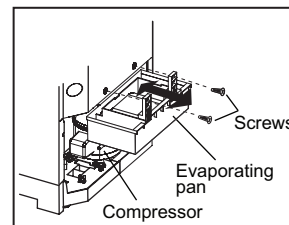
- To prevent damage to your refrigerator, do not use heavy duty cleansers or solvents (lacquer, paint, polishing power, benzine, boiled water, etc.).
- If the power supply is disconnected, please wait for at least 5 minutes before re-connecting power.
- Do not drop objects inside the refrigerator or strike the inner wall. This may cause the inner surface to crack.

Evaporating pan;

(Only SJ-N19S)

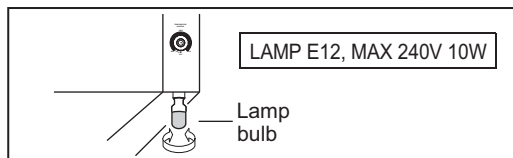
How to remove

Remove the two screws to take the Evaporating pan off. Please pay attention to the safety since the compressor is very hot.



Replacing method of the lamp bulb

1. Unplug the refrigerator first to prevent electric shock.
2. Replace the lamp bulb with the same type.



Switching off your refrigerator

If you switch your refrigerator off when you are going away for an extended period, remove all food, clean the interior thoroughly. Remove the power cord plug from the power socket and leave all doors open.

BEFORE YOU CALL FOR SERVICE



Before you call for service, check the following points.

Problem	Solution
The outside of a cabinet is hot when touched.	It is normal. The hot pipe is in the cabinet in order to prevent dew generation.
When there is refrigerator noise.	<p>It is normal for the refrigerator to produce the following sounds.</p> <ul style="list-style-type: none"> • Loud noise produced by the compressor when operation starts --- Sound becomes quieter after a while. • Sound of flowing fluid (gurgling sound, fizzing sound) --- Sound of refrigerant flowing in pipes (sound may become louder from time to time). • Cracking or crunching sound, Squeaking sound --- Sound produced by expansion and contraction of inner walls and internal parts during cooling.
Frosting or dew generation occurs inside or outside the refrigerator.	<p>This may occur in one of the following cases. Use a wet cloth for wiping frost and a dry cloth for wiping dew.</p> <ul style="list-style-type: none"> • When the ambient humidity is high. • When the door is frequently opened and closed. • When foods containing plenty of moisture are stored. (Wrapping is required.)
The foods in the refrigerator compartment freeze.	<ul style="list-style-type: none"> • Is the refrigerator is operated for a long time with temp. control set at MAX ? When not required, be sure to return the knob to the original position.
It smells in the compartment	<ul style="list-style-type: none"> • Wrapping is required for the foods with strong smell.
When the refrigerator is not cold.	<ul style="list-style-type: none"> • Check if the power is off or not. • Check if the temperature control knob setting is " OFF " or not.

IF YOU STILL REQUIRE SERVICE Refer to your nearest service agent approved by SHARP.

SPECIFICATION

Model	SJ - N15S	SJ - N19S
Rated Voltage (V~)	220	220
Rated Frequency (Hz)	50	50
Power input (W)	77	77
Flammable Insulation Blowing Gas	CYCLO PENTANE (NON CFC 100%)	CYCLO PENTANE (NON CFC 100%)
Refrigerant	HFC-134a	HFC-134a
Mass of the Refrigerant (g)	90	90
Actual storage volume (dm /cu.ft)	147/5.2	185/6.5
Dimensions (mm.)	Width	535
	Depth	560
	Height	1050

NOTE Specification and equipment are subject to change without any obligation on the part of the manufacture with today's progressive manufacturing.

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