

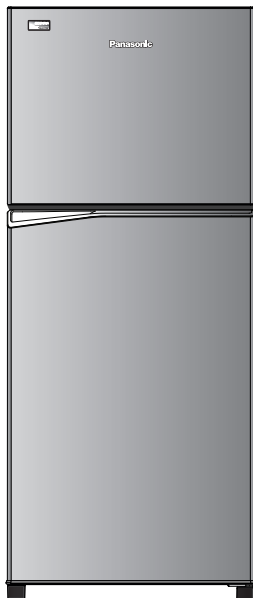


Panasonic®

Operating Instructions Refrigerator

For Household Use

Model No.: **NR-TV341B**



Contents

• Safety Precautions	2
• Usage Precautions	4
• Installation	6
• Parts Identification	8
• Temperature Control	9
• ECONAVI Operation	10
• Fridge compartment	10
• Freezer compartment	11
• How to clean the Refrigerator	11
• Troubleshooting	14
• Specifications	16

■ NON-CFC

NON-CFC MATERIALS have been used for the refrigerant (R600a) and for the insulation (Cyclopentane), making this product better for the Earth's Ozone Layer.

Thank you for purchasing the Panasonic product.

- Please read these instructions carefully and follow safety precautions on page 2-5 before using this product.
- Please make sure the date and name of store of purchase are stamped in warranty card and keep it with this operating instructions.

Safety Precautions

Please be sure to follow these instructions.



WARNING

This sign means: It may lead to a serious injury or death.



These signs mean prohibited action.



This sign means required action.



This sign means the appliance must be earthed to prevent electric shock.



CAUTION

This sign means: It may result in injury or property damage.



iso-butane

Risk of fire/flammable materials.

Otherwise, it may cause a fire, injury, electrical shock.



WARNING

In case of emergency:



- Maintenance work should only be carried out by a qualified technician.



- **Do not** store explosive substances, such as aerosol cans with a flammable propellant, etc. in the refrigerator.
- **Do not** use electrical appliances such as a deodorizer in the refrigerator. Leaked refrigerant may catch fire from a spark of the electrical contacts and may cause an explosion.
- **Do not** use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.



- **Do not** disassemble, repair or modify the refrigerator by yourself. If you want to repair the refrigerator, please consult your dealer or authorized service center.
- **Do not** use mechanical device or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

When recycling the product:



- Before taking the refrigerator to be recycled, please remove all the door opening seal to prevent locking a child in it.
- The warning labels mentioned above should be kept throughout the life of the refrigerator.
- The operating instructions should be handed over to any person who would use or handle the refrigerator whenever the refrigerator would be transferred to another location and delivered to a recycling plant.
- In regards to local laws, Cyclopentane is used for insulation of this refrigerator. When you throw away this unit, please discard it by proper method and do not dispose it by burning.

Otherwise, it may
cause a fire, injury,
electrical shock.



WARNING

For power plug and power cord:



- **Do not** plug or unplug with wet hands.
- **Do not** let the power cord or power plug be damaged.



- Disconnect power plug when cleaning.
- Only plug into a wall outlet of the correct rated voltage and current, and fully insert the power plug on its own.
- Reserve one socket for the refrigerator only. Avoid connecting many appliances to the same socket and unroll the full length of the power cord.
- Remove dust periodically from the power plug.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- If you detect burning smell, disconnect the power plug and ventilate the kitchen.
- **Stop** using the refrigerator and unplug the unit immediately if there is an abnormality or failure. Abnormality and failure examples:
 - Power cord or power plug is abnormally hot.
 - Power cord is deeply cut or deformed.
 - There is burning smell.
 - You can feel tingling electricity when you touch the refrigerator body.

When using:



- **Do not** damage the cooling circuit (piping on the back).
- **Do not** touch the compressor and pipes, because of high temperature, that there is a risk of burn injury.
- **Do not** let any children hang onto the refrigerator's door, it may fall and injure the child.
- **Do not** place or store open containers of water on top of the refrigerator. Spilled water can cause electrical shocks or combustion.
- **Do not** place multiple socket-outlets or portable power supplies at the rear of the appliance.
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.



- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge of using the appliance, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the refrigerator.

When installing:



- Danger can occur when the appliances is unbalanced, make sure the feet are secure and appliance is level.
- When positioning the appliance, ensure the power cord is not trapped or damaged.



- Ensure that the refrigerator is plugged into an earthed main socket.

Otherwise it may cause injury, accidents.



CAUTION

When opening/closing the doors:



- While opening the refrigerator, be careful not to pinch other one's hand holding the door.
- Mind the gap between the doors. They may nip your hand while closing the door.



When storing food:



- **Do not** freeze glass bottles, that there is a risk of injury. (If the liquid in a glass bottle is frozen, then the bottle may break and you may be injured.)
- **Do not** add a high impact on glass trays. (Otherwise those glass trays may break and you may be injured.)



When moving the refrigerator:



- Hold the refrigerator tightly when transporting.
- Apply protective covering, etc. to floors with a fragile surface.

Usage Precautions

When opening/closing the doors:

- **Do not** refrigerate items which are bigger than tray or shelf, as the door will not close completely causing leakage of cool air.
- **Do not** open refrigerator frequently or leave it open for long time in order to prevent water dripping inside and waste energy.
- Frequently check the door gasket, it must be closed to the refrigerator's body completely.

When cleaning:

- **Do not** clean the refrigerator with chemical substance or liquid. It will cause damage and have corrosion on the surface.
- Clean the Pan water evap located over the Compressor at the back of the refrigerator every three months to prevent the odour generated from humidity.



Usage Precautions

When using:

- When the power plug is disconnected, leave it for 5 minutes before plugging again. If not, the compressor may not work.
- Adjust the temperature according to the actual operating condition for energy saving.
- The humidity inside the fresh case may condense so wipe it with a cloth periodically. Clean the fresh case once a month.
- If you will not be at home for several days and there are nothing refrigerated in the refrigerator, the plug should be disconnected for energy saving. When the refrigerator is not used for several days, it is necessary to take out all remaining food inside the refrigerator, clean and open the doors for a few hours to let the moisture inside the refrigerator dry out, avoiding mold and oxidation of components.
- The outside wall of refrigerator cabinet may sometimes get warm, especially just after installation. This is quite normal, and is due to the built-in Mullion Dryer Pipe which prevents sweating and radiates heat.
- When humidity is high, e.g. during rainy-season, condensation may appear on the surface of cabinet, especially around the door gasket. Wipe off the condensed water with a clean cloth.
- **Do not** keep the door open any longer than necessary, particularly in hot, humid weather.
- The top of the refrigerator is made of steel in order to prevent fire caused by external influences. **Do not** put things on top of the refrigerator to ensure this factor.



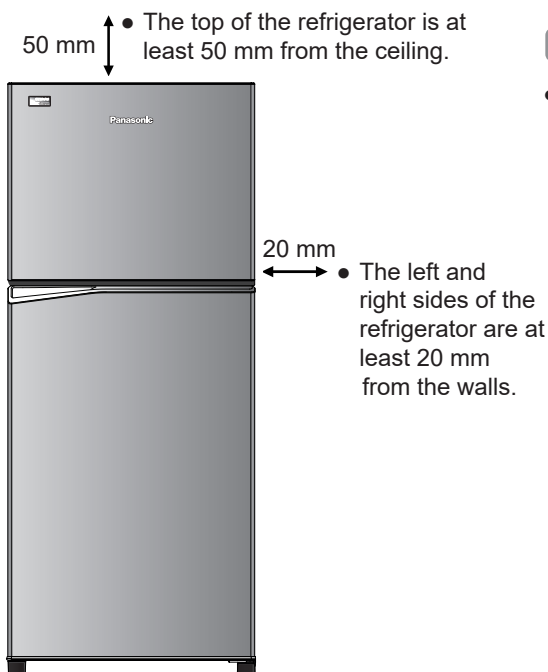
When storing food:

- **Do not** place warm/hot foodstuff in the refrigerator.
- **Do not** overload the refrigerator. Gaps must be provided between foodstuffs to maintain the cooling effect.
- Store fruits and vegetables in Vegetable case, where trapped moisture helps preserve food quality for longer time periods.
- Drinking water and beverage bottles should be sealed to prevent odor contamination.
- Food stuff such as vegetables, fruits and fresh food should be wrapped or packed in a box or storage container before freezing.
- Meat and Fish should be put in the Freezer compartment if you want to store them for an extended period.
- Cover juicy food with tight lids, plastic film or foil.
- Cool hot dishes in compartment temperature before placing them in your refrigerator.



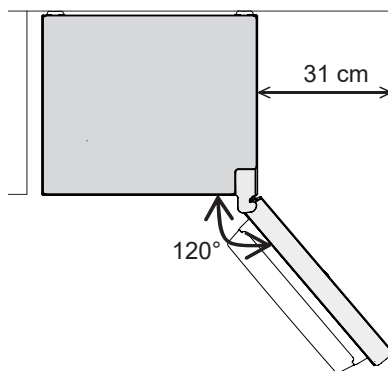
Installation

The distance requested for installation



Caution

- In case the refrigerator is placed near to walls, it is necessary to ensure that the space between the right side of the refrigerator and the wall is at least 31 cm. If this space is less than 31 cm, the doors may not be fully opened and the glass trays, Vegetable case, etc. could not be taken out.



- The back of the refrigerator is at least 50 mm from the wall.
- When using for the first time: clean the inside of the refrigerator.
 - Use a soft damp cloth to clean the refrigerator.
 - Rinse the Ice trays.
 - The smell of plastic could be smelt during the first time using the refrigerator. If the smell is a concern, it is recommended to ventilate the compartment.
- **Do not** place the refrigerator in a humid place as rust may form and may cause electric leakage.
- **Do not** place the refrigerator exposing to direct sunlight as the heat and sunlight will increase the temperature affecting the cooling capacity.
- **Do not** place the refrigerator near heat sources such as cooking stove or oven.
- **Do not** block the openings around the refrigerator.
- The refrigerator must be placed in an area where there is good air circulation.
- If the refrigerator is to be placed on an uneven surface, please adjust the Adjuster bolts to ensure that the refrigerator is stable.

LED lamp and grounding

- The refrigerator LED lamp, specially designed for this refrigerator, do not replace it by yourself. If you need replacement, please contact Panasonic service center.
- If the refrigerator plug has no ground wire, it should be connected with a grounding connection to prevent electrical hazard from electric leakage.

Moving or shifting

※ Before moving and transporting

- 1 Remove any food items and dispose of any ice cubes or water that remain in the refrigerator.
- 2 Unplug the refrigerator.
- 3 Adjust the Adjuster bolts (left and right) so that they do not touch the floor.
- 4 When moving or shifting the refrigerator, remove Pan water evap and check to be sure that there is no water in the refrigerator.
(P.13)



※ How to move and transport

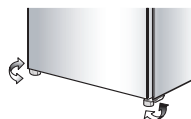
- At least 2 people are required to transport the refrigerator.
- Each person lifts a corner of the refrigerator.
- Do not transport by holding the refrigerator doors.

Caution

- When transporting, use tape to secure the refrigerator doors and avoid letting the doors open by itself.
- Do not place the refrigerator on its side when transporting, as this may cause damage to the refrigerator.
- After installation, wait at least 4 hours before plugging in the power to ensure that the gas and oil in the Compressor are in a stable state.

Fix the refrigerator.

Turn the Adjuster bolts (right and left) until they reach the floor to stabilize the refrigerator.



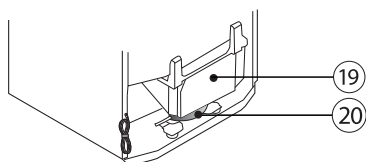
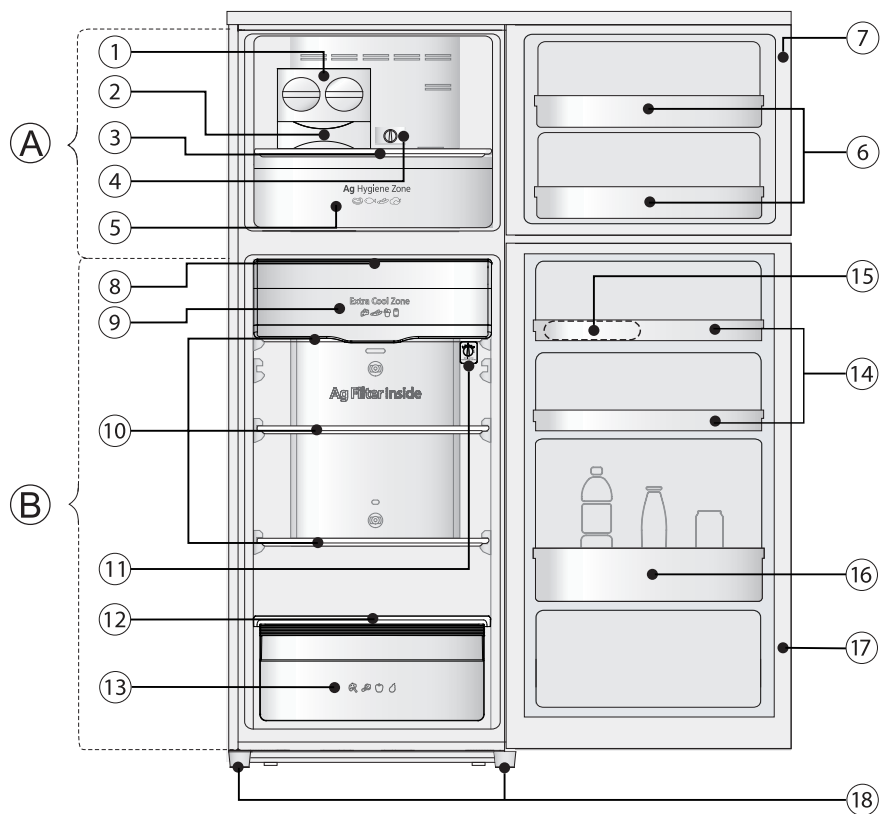
Refrigerator doors should not be opened during the interior cooling process.

The doors should not be opened until the interior has been cooled down sufficiently. (Warm air flowing into the interior will block the cooling function.)

Please wait until the interior has cooled down.

- The refrigerator may take at least 4 hours of continuous running to cool down the interior, in the condition of no food items inside and the doors are not opened.
- Depending on ambient temperature and usage condition, it may take 24 hours to cool down the interior and achieve the correct temperatures.

Parts Identification



Product view from behind.

Part Identification

A-Freezer compartment

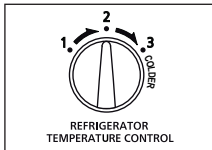
- ① Ice cube tray
- ② Ice box
- ③ Glass tray of Freezer compartment
- ④ Cold air control
- ⑤ Ag Hygiene Zone
- ⑥ Door shelf of Freezer compartment
(Quantity: 2pcs)
- ⑦ Door gasket of Freezer compartment

B-Fridge compartment

- ⑧ LED of Fridge compartment
- ⑨ Extra Cool Zone (Blue Ag LED lamp)
- ⑩ Glass tray of Fridge compartment
(Quantity: 3pcs)
- ⑪ Dial Control
- ⑫ Glass tray of Vegetable case
- ⑬ Vegetable case
- ⑭ Egg shelf (Quantity: 2pcs)
- ⑮ Egg tray
- ⑯ Bottle shelf
- ⑰ Door gasket of Fridge compartment
- ⑱ Adjuster bolts
- ⑲ Pan water evap
- ⑳ Compressor

Temperature Control

Operate the REFRIGERATOR TEMPERATURE CONTROL when changing the temperature of Fridge compartment.



REFRIGERATOR TEMPERATURE CONTROL	
"1"	Higher than "2" by approximately 2 °C ~ 3 °C
"2"	Approximately 3 °C ~ 5 °C
"3"	Lower than "2" by approximately 2 °C ~ 3 °C

Operate the COLD AIR CONTROL when changing the cold air condition.



COLD AIR CONTROL	
"FRIDGE MAX"	Fridge compartment takes priority
"NORMAL"	Cold air condition is normal
"FREEZER MAX"	Freezer compartment takes priority

Remark

Temperature of refrigerator depends on environment, room temperature and food storage quantity.

ECONAVI Operation

The refrigerator detects the opening and closing of the refrigerator door to control operations automatically to ensure maximum energy saving.^(*)

■ ECONAVI Operation

- The refrigerator learns the lifestyle patterns of your family from door opening and time periods of infrequent use to maximize energy efficiency.
- The refrigerator learns your lifestyle patterns from the previous 3 weeks of use and uses that data from the 4th week onwards.

■ Settings for enabling ECONAVI operation

- ECONAVI Operation is enabled automatically when the Dial Control is set to “2”.
- It is not possible to force to start of the ECONAVI mode.

^(*) The effectiveness of the ECONAVI mode is dependant on the ambient temperature, the number of times the refrigerator door is opened and closed and the state in which food is stored.

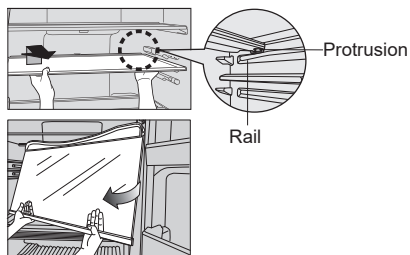
Fridge compartment

The position of the Glass tray of Fridge compartment can be changed

- ① Lift up the back of the tray and pull it forward. Once the protrusions of the tray are unhooked from rails, tilt the tray and remove it.

- ② Insert the tray in the desired position by reversing the steps.

- Glass shelves are heavy.
Please handle them with care so that they do not fall and cause any damage or injury.



Tips for food preservation

■ Do not stuff too many food items

When there are too many food items and there is no space for cool air circulation inside the refrigerator, the cooling capacity will be affected.

Provide sufficient space between foods.

■ Do not block the cool air outlet with food items

If the cool air does not spread into every corner of compartments, then the interior will not be sufficiently cooled and more electricity will be consumed.

Therefore, food should not be placed in front of the cooling air vents^(**) and block the air circulation.

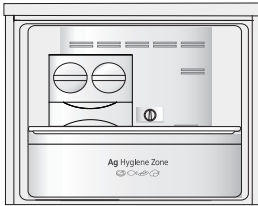
^(**) The cooling air vents are located on the duct inside the Fridge compartment.



Not wasting cool air inside the refrigerator is the key to keeping food fresher for longer!



Freezer compartment



- A lot of frozen food and cooked meal can be stored.

Three tips for freezing food and locking in the flavour

1. Freeze thin and small items of food quickly
2. Fully sealed
3. Do not refreeze

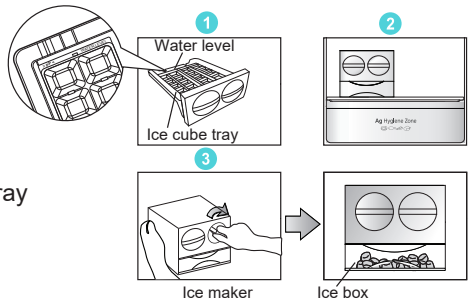
How to make ice cubes with Ice maker

STEP

- 1 Fill water in the Ice cube tray till the water level line.
- 2 Put Ice cube tray inside Freezer compartment, wait until ice is made.
- 3 To remove ice cubes, suppress the frame with left hand and twist the dial Ice cube tray clockwise with right hand.
The ice cubes will drop into the Ice box.

Remark

- Do not cover the Ice cube tray.
- If you want to use a lot of ice cubes, store ice cubes in the Ice box below the Ice cube tray.
- Do not pour water into Ice box for making ice, otherwise the box may crack.



How to clean the Refrigerator

Before cleaning or conducting maintenance, please ensure that the power plug has been disconnected from the power outlet. Do not connect or disconnect the power plug with wet hands.

When the power plug is disconnected, leave it for 5 minutes before plugging again.

If not, the compressor may not work.

Clean the refrigerator immediately after it is stained!

Wipe off stains on the interior surfaces quickly before they harden.

In particular, cooking oil or lard may cause plastic to crack and citrus juice may cause the refrigerator to become discolored.

When stains cannot be removed easily, wipe them with a cloth lightly soaked in neutral kitchen detergent. Then, wipe with a cloth lightly dipped in water.

Clean the detachable items occasionally.

Clean the Ice tray once a week. As a guide, remove the trays, door shelves, etc. and wash them by immersing them in lukewarm water every three months.



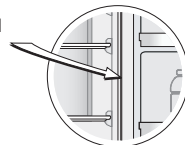
How to clean the Refrigerator

Clean the door gasket at least once a month.

Clean by wiping with a soft damp cloth.

Lubricated gel has been applied to the gasket door on the hinge side of the refrigerator, be careful not to wipe it off.

Point where lubricated gel was applied



Note

The door gasket is replaced by an authorised service agent. If the door gasket comes off while cleaning, it can be pushed back into the groove.

Request

Do not use the following items for cleaning. (Otherwise, the surface will be scratched or corroded.)



Kitchen detergents
(They crack plastic!)

Alkaline or weak Alkaline



Cleanser or soap powder



Benzene, thinner, alcohol, acid, petroleum



Scrubber



Hot Water

Door shelf/Bottle shelf/Egg shelf

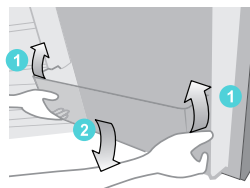
Once every 3 months

■ Removing

- 1 Lift it upward, alternating between the right and left side.

■ Attaching

- 2 Placing it on both supporters, and then press until it reaches the end of supporters.

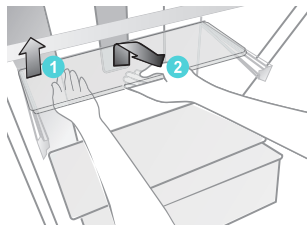


Tray

Once every 3 months

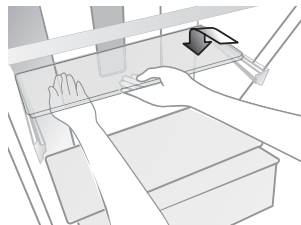
■ Removing

- 1 Lift the tray upward then pulling it forward until removing.
- 2 For Glass tray Cool Zone, tilt the tray slightly upward for easier removing.



■ Attaching

Push the tray until it reaches the end lock.



Remark

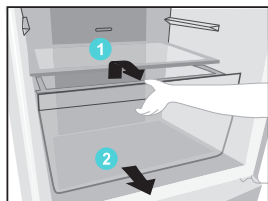
- When removing tray above Vegetable case, pull out the Vegetable case first and then follow to remove the tray as above details.
- In case of attaching the tray and it does not lock, make sure that you did not attach the wrong tray.
- Make sure that you do not attach the upper side of the tray downward.
- Trays made of glass are heavy.
Please handle them with care so that they do not fall and cause any damage or injury.
For attaching trays, hold them with the protrusion side down and firmly insert.

Vegetable case/Ag Hygiene case

Once every 3 months

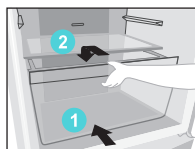
■ Removing

- 1 Pull the Vegetable case/Ag Hygiene case until it reaches the end of stopper.
- 2 Raise up the front of the Vegetable case/Ag Hygiene case a bit and then completely take out.



■ Attaching

- 1 Keep the lid on the Vegetable case/Ag Hygiene case lifting until case is attached.
- 2 Raise it up and place the Vegetable case/Ag Hygiene case on both supporters.
- 3 Push the Vegetable case/Ag Hygiene case until it reaches the end.

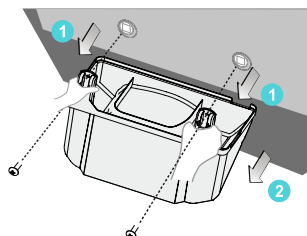


Pan water evap

Once every 3 months

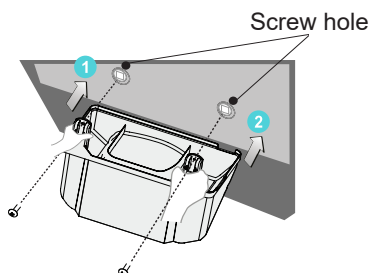
■ Removing

- 1 Remove the screws on both sides.
- 2 Take out the Pan water evap.



■ Attaching

- 1 Place and adjust the Pan water evap so that the Pan water evap hole on the left side matches the screw hole on the back of the refrigerator. Fix the left part with screw.
- 2 Place and adjust the Pan water evap so that the Pan water evap hole on the right side matches the screw hole on the back of the refrigerator. Fix the right part with screw.



Troubleshooting

Before you call for service, please check the following items:

The refrigerator does not operate.

- Check that the power plug and its socket are in good condition.
- Check if there is any problem on main fuse and electrical system of the house.
- Check by unplug and wait for 5 minutes before plugging it back in.

The refrigerator does not cool enough.

- Check to be sure that the temperature control dial is at proper position.
- Check to see if the refrigerator is overloaded with stuff or there is any hot foodstuff refrigerated inside.
- Is the refrigerator exposed directly to sunlight or heat source?
- Is the refrigerator door completely closed?
- Is the refrigerator door opened frequently?

Dew, frost appears.

Outside

- When the air humidity is high, there is a chance that moisture will condense on the refrigerator surface, around the door gasket or on the door surface. This situation will stop if the air humidity decreases. Please wipe it up with dry cloth.

Inside

- Is the door closed firmly?
- Is the door being opened and closed too frequently?
- Condensation inside the refrigerator can also be caused by leaving high-humidity foods uncovered or unwrapped.
- When the humidity is high, the door is open for a long time, or when the refrigerator contains too much food or makes too much ice, frost may form inside the Freezer compartment at the location of the Freezer cases, Ice box. This is normal. Please wipe with dry and soft cloth.



The refrigerator generates noise.

- Check if the refrigerator is located on a stable floor or is installed properly.
- Check if there is any object in contact with the refrigerator.
- Cracking sound within caused by the parts adjusting temperature which is normal.
- After installation, the refrigerator may make loud noise. The noise will be less when the refrigerator has been cooled.

Troubleshooting

Food becomes frozen.

- Do you put the food near cold air holes?
- Do you adjust the temperature control at “3”?
Adjust to “1”?
- Do you put food in Extra Cool Zone?

The inside is smelling.

- Do you store food with dry odor without wrapping it?

The back and sides of the refrigerator are warm and hot.

- Because the refrigerator is equipped with the dew prevention and heat radiation tubes, the back and sides of the refrigerator get warmer when operating.
- The back and side plates may get warmer especially when starting up or if the door is frequently opened and closed.

The normal sounds of refrigerator.

- When the refrigerator starts operation, the sound like water flowing and boiling water is created. This is the sound of the cooling liquid.
- The noise is generated when the automatic defrost system operates.
- The dilatation of the details inside the refrigerator in the cooling process can cause sound “crack-crack”.
- You may feel that the operation sound is larger because the Compressor operates in high-speed under the following conditions: the refrigerator does not cool fully on the occasion such as using it for the first time, opening/closing the door too frequently, the surrounding temperature is high. The sound becomes more quiet after cooling fully.

LED does not turn on.

- Please contact Panasonic service center.

Specifications

Model No.		NR-TV341B
Freezer Star Rating		
Capacity (L) (IEC 62552:2007)	Total	306
	Freezer	82
	Refrigerator	224
Outside Dimensions Width x Depth x Height (mm)		601.5 x 657 x 1645
Net Weight (kg)		52
Refrigerant Type		R600a
Rated Voltage (V) Rated Frequency (Hz)		Refer to the rating label attached inside the cabinet.

Panasonic Corporation

<https://www.panasonic.com>

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