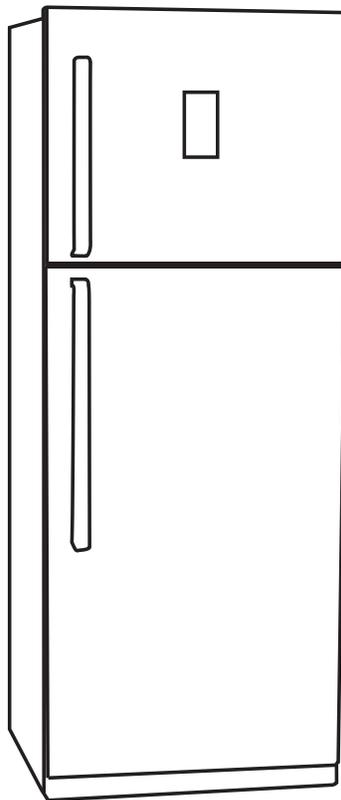




**TOP MOUNT FROST FREE
470L REFRIGERATOR**

USER'S MANUAL

**Models : TFF470WNTA
TFF470SNTA**



To ensure proper use of the appliance and your safety, please read the following user manual completely before operating this appliance.

- Thank you for purchasing our product and thank you for placing your confidence in us.
- Read this manual carefully before use. Follow instructions and keep the manual for future reference.
- Follow the operating instructions and safety notices in this manual.
- If any trouble arise, do not fix it yourself or hand it to the after sales service centre, which have not been authorised. Please contact TECO service on 1300 660 037.
- This refrigerator is designed and approved for use with flammable R600a refrigerant.
- The appliance is specifically constructed for domestic use and is therefore suitable for the refrigeration and storage of fresh and frozen foods and the production of ice-cubes. The appliance has not been designed or manufactured for professional use. Teco declines all responsibility for damage deriving from improper use of the appliance. The refrigerator has undergone the necessary tests on the tightness of the refrigeration circuit and complies with the safety regulations for electrical appliances.
- All images, illustrations and photos contained in this manual are for illustration purposes only and may differ from your appliance.



WARNING

WARNING ICON

This symbol indicates information concerning your personal safety



CAUTION

CAUTION ICON

This symbol indicates information on how to avoid damaging the appliance



FLAMMABLE ICON



R600a

R600a WARNING LABEL

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WARNING

R600a Iso-butane Refrigerant

- Hydrocarbon refrigerants have excellent refrigerant properties and minimal low global warming potential and no ozone depletion potential.
- This appliance contains a small quantity of flammable, non-synthetic R600a refrigerant:
- Hydrocarbon refrigerants cannot be 'retrofitted' to the appliance that has not been designed and approved to use that type of refrigerant.
- Ensure that the tubing of the refrigerant circuit is not damaged during transportation and installation.
- Leaking refrigerant may cause eye injuries or could ignite.
- The room for installing the appliance must be at least 1m³ per 8g of refrigerant. The amount of refrigerant in the appliance can be found on the rating plate attached to the appliance.



WARNING

Risk of fire

- If the refrigerant circuit should become damaged. Avoid open flames and sources of ignition. Disconnect the appliance from the mains power. Thoroughly ventilate the room in which the appliance is situated for several minutes.

SAFETY INFORMATION

- The refrigerator is designed to operate on a single phase power supply within a voltage range of 220~240V/50Hz.
- The refrigeration system contains refrigerant. Do not allow any sharp objects to come in contact with the refrigerant system to avoid damage the refrigerant circuit.
- This product is for indoor use only.
- Do not place electrical items or cooking equipment nearby. Keep away from substances which could cause ignition and good ventilation shall be always maintained.
- Do not place objects on top of the appliance which are magnetic, heavy or filled with water.
- If the supply cord is damaged, it must be replaced by authorised TECO service personal, service agent or similarly qualified persons in order to avoid a hazard.

- Do not store flammable, explosive, volatile and highly corrosive materials in the refrigerator. Containers with flammable gases or liquids can leak at low temperature. There is a risk of explosion or fire.
- Do not splash water on the appliance. It may cause malfunction or electric shock.
- Do not place or operate any electrical appliance in the refrigerator.
- Always switch off and unplug appliance before cleaning.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

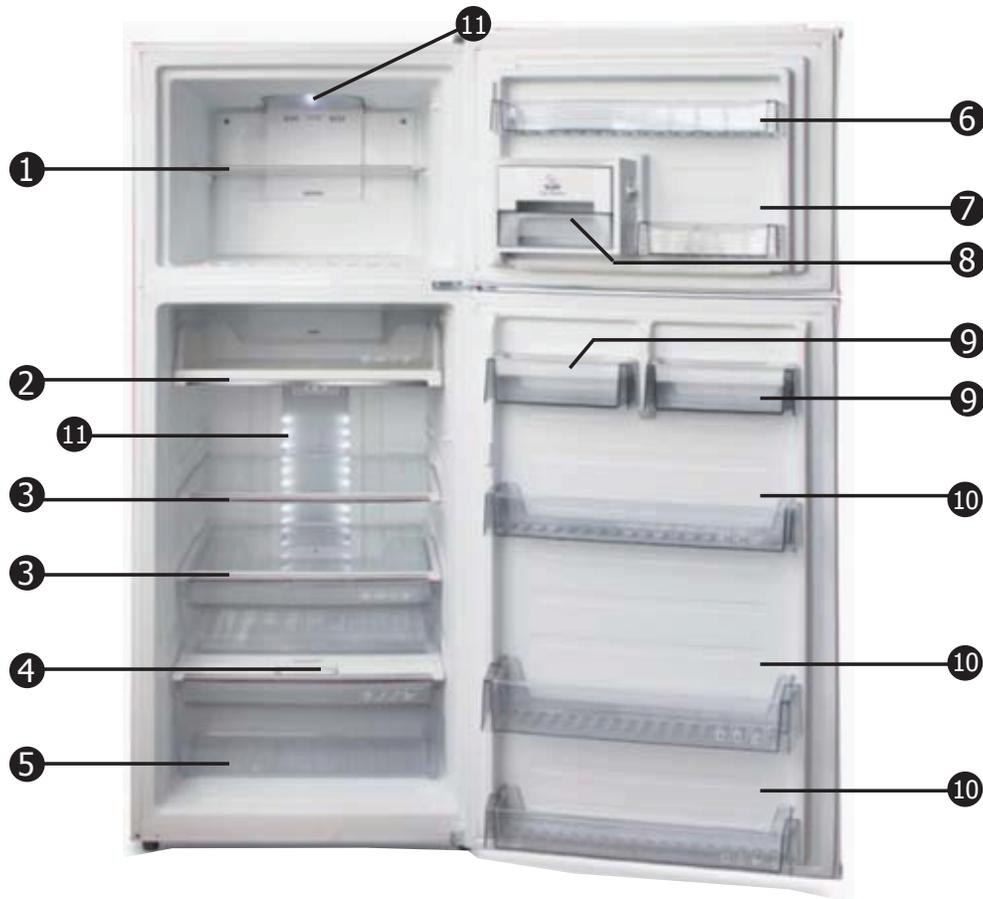


Safety of children

- Young children should be supervised to ensure that they do not play with the appliance.
- WARNING** • Packing (e.g. wraps, polystyrene etc.) can be dangerous for children. There is a risk of suffocation. Keep packaging materials away from children.
- Contact your local authorities for correct method of disposal. Dispose of all packaging in a responsible manner in accordance with local regulations.

Dispose of old appliances in accordance with local regulations. Remove the doors, cut off the main cable, break or remove spring or bolt catches if fixed to prevent children trapped or involve themselves in other dangers.

NAME OF PARTS AND USAGE



- 1. Glass Freezer Shelf
- 2. Crisper Section
- 3. Glass Shelf
- 4. Vegetable Crisper Lid with vent
- 5. Vegetable Crisper

- 6. Freezer Door Tray
- 7. Small Freezer Door Tray
- 8. Twist Ice Maker
- 9. Refrigerator Door Compartment
- 10. Refrigerator Door Tray
- 11. LED Internal Lights

- The refrigerator you purchased is subject to continuous improvement, which may not be completely consistent with the manual, however the functions and operating methods will not change.
- If you use the refrigerator for the first time, remove the adhesive tapes from the drawers, shelves, trays, etc.
- Do not pull or push the drawers and shelves forcefully during use in case of damage.

PACKING LIST

Check the packing list that all items have been included.

Part No.	Model	TFF470WNTA TFF470SNTA
1	Refrigerator Handle	1 Piece
2	Freezer Handle	1 Piece
3	Door Handle Kit	1x Allen Key 4x Screws 4x Hole Caps
4	Crisper Container	1 Piece
5	Ice Making Measuring Cup	1 Piece
6	Egg Tray	2 Pieces
7	User Manual	1 copy
8	Warranty Information	1 copy

Note: Product specifications are subject to change without prior notice.

TRANSPORTING THE APPLIANCE & INSTALLATION

1. The appliance must be transported only in a vertical position. The packing must be intact during the transportation.

2. When unpacking and re-packing the appliance, please memorise the position of each accessory of the appliance when unpacking it. When re-packing the appliance for transportation, ensure all accessories are secured before transportation.

3. Do not lift or pull the doors during transportation.

4. When moving the appliance, do not tilt >45 degrees (the angle of the vertical direction). Please avoid strong vibration and impacts that could cause damage to the appliance.



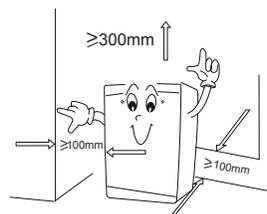
5. The refrigerator should be located on a firm and flat surface. An uneven surface may cause excess operating noise or vibration.

(a) The noise may be increased if the floor is not firm.

(b) If the appliance is to be positioned on carpet flooring and heat emitted from the appliance is a concern, place a solid sheet under the appliance.

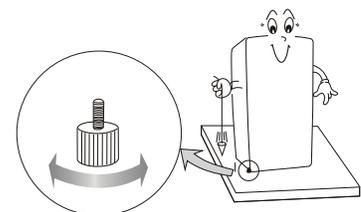
6. Choose a location which is not exposed to sunlight, high temperature or humid, as humidity may cause staining.

7. It is recommended a clearance of at least 10mm away from objects and walls on both sides and back. Ensure the clearance above the appliance is not less than 300mm and 160° clear for the doors to swing open.



8. If the appliance is unstable, rotating either of the front two legs in a clockwise direction will raise the appliance.

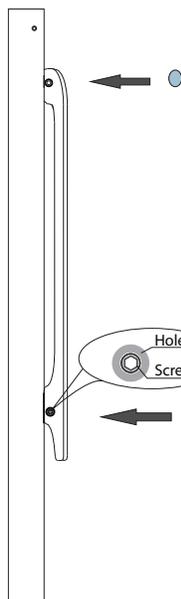
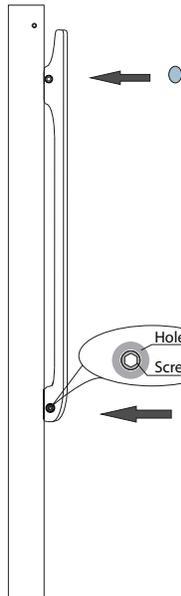
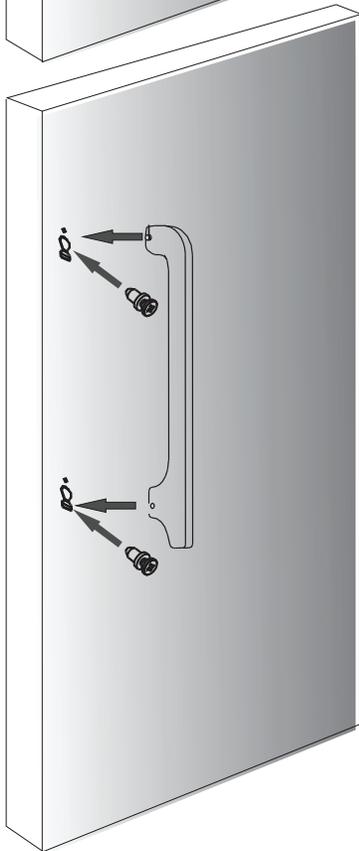
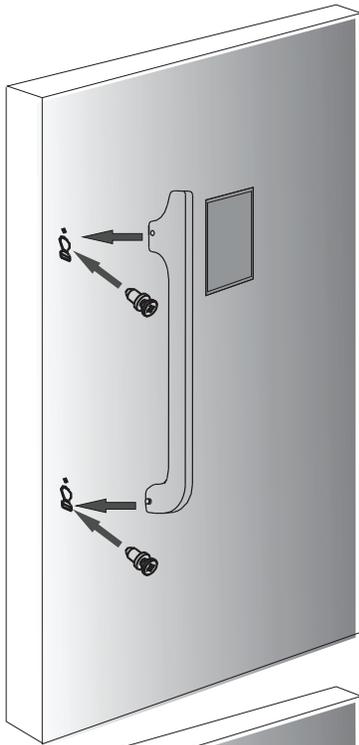
9. When adjusting the front legs, ensure the appliance slopes backwards slightly for keeping the door closed.



10. Remove all internal packaging before operating.

DOOR HANDLE INSTALLATION

The images below are for reference purposes and may differ from your refrigerator. The refrigerator must be disconnected from the mains power source before attempting to install the door handle.



1. Remove the door handle kit supplied with the refrigerator. Take the screws and install them into the holes on the door.
2. Tighten the screws securely. Line up the handle with the screws.
3. Lock the handle in place by tightening the screws on the handle with the supplied allen key.
4. Repeat the process for both freezer and refrigerator door handles.
NOTE: Be sure to install the correct handle to the freezer and refrigerator door.
5. Check that the handle is securely in place before installing the hole caps over the screw holes.



Keep screws and hole caps away from children.

OPERATING INSTRUCTIONS

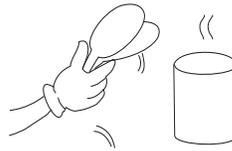
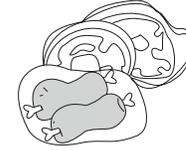
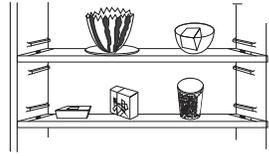
BEFORE USE

Let the refrigerator stand for at least an hour before connecting the power when it is first used. Leave 2 to 3 hours after connecting power before placing fresh or frozen food into the refrigerator.

PLACEMENT OF FOOD

1. There should always be some space between items inside for air circulation.
2. Food should be kept in sealed packaging to avoid becoming dry or spoilt.
3. Hot food should be cooled down before placing into the appliance. Otherwise, the interior temperature and power consumption will increase.
4. Reduce opening the door frequently.

This will increase the appliance efficiency and reduce power consumption.

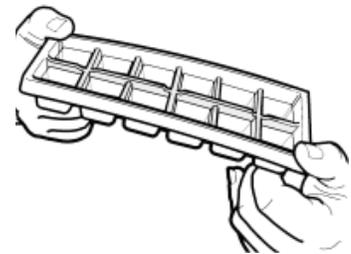
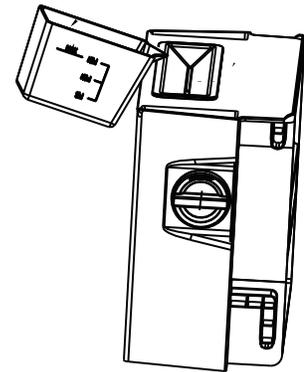


Do not use any electronic equipment inside the appliance.

Do not store objects which are costly or subject to temperature variations. e.g. medication or chemicals.

ICE MAKING

To make ice cubes, fill the twist ice cube maker in the freezer door. Use the supplied measuring cup with drinkable water (Do not exceed the MAX. water level). To remove ice cubes easily, twist the tray in the ice cube maker. (If you use the twist ice maker, please be careful opening and closing the freezer door until the water has frozen completely). Alternatively, fill an ice tray and place in the freezer section. Run water on the tray before gently twisting and inverting the tray.

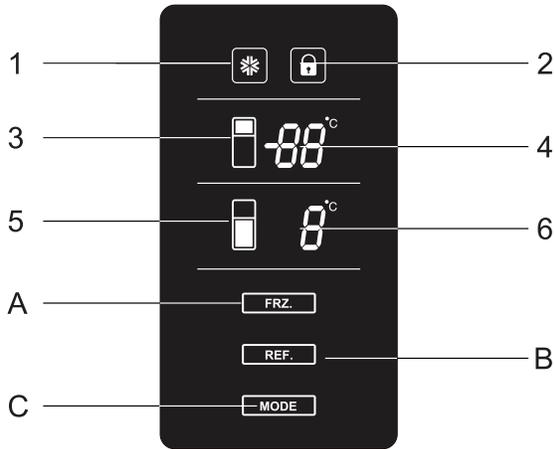


ENERGY SAVING TIPS

1. Adjust the temperature control to a setting that is acceptable for the storage of the food. This will reduce the power consumption.
2. Only open the door when required. Frequently opening the door will increase power consumption.
3. To maintain good air circulation, keep the shelves and crisper of the refrigerator as supplied, and do not **7** block air outlets.

CONTROL PANEL

Controlling the temperature of the refrigerator and freezer compartments, locking and unlocking the panel and quick freeze functions are set by the control panel. Refer to the descriptions below for correct operation.



Control Buttons:

- A) (FRZ.) Freezer Temperature
- B) (REF.) Refrigerator Temperature
- C) MODE Button (Lock/Unlock and Quick Freeze)

LED Display:

- 1) Quick Freeze Icon
- 2) Lock Icon
- 3) Freezer Zone Icon
- 4) Freezer Set Temperature Display
- 5) Refrigerator Zone Icon
- 6) Refrigerator Set Temperature Display

Lock & Unlock Panel Function

While the panel is unlocked, press and hold MODE button for 3 seconds. This will LOCK the panel and the Lock Icon will be displayed. To unlock, press and hold MODE button for 3 seconds. The Lock Icon is OFF.

Quick Freeze Mode

Press MODE button while the panel is unlocked. The Quick Freeze Icon will be displayed indicating the Quick Freeze function is active. Press the MODE button again to disable this function.

Setting the Freezer and Refrigerator temperature

Press either the FRZ. or REF. button to set the temperature of the freezer or refrigerator respectively. The freezer can be set between -13 and -22°C where the refrigerator can be set between 1 and 7°C. Continually press the FRZ. or REF. button to cycle through the temperature range (1~7°C).

Outage Memory

If power is cut to the refrigerator, it will retain settings and resume operation once power is restored.

Door Open Alerts

An alert will sound when either freezer or refrigerator door is open. If either door is left open for 2 min. and continue to alert each second thereafter. Close the door or press any control  panel button to cancel the alarm.

MAINTENANCE

The appliance should be maintained and cleaned frequently. For safety, unplug the appliance from the mains power source before cleaning.

1. Interior and exterior maintenance

- Clean the interior of the appliance with clean water and wipe it dry with a piece of dry cloth.
- Cleansers such as soap powder, abrasive cleaning powder, alkali cleansers, chemical cloth, thinners, alcohol, acid petroleum products and hot water should not be used to clean the refrigerator as they may damage the painted cover and plastics.

2. Smearing can age the interior plastic components, so remove it as soon as possible.

3. Wipe the door gasket clean, it is easy to damage the door gaskets if polluted by stains, e.g. oil, sauce, etc.

4. The replacement of interior light

The interior light is LED and should not be replaced. If the interior light stops working, please contact support. Refer to page 12 for more information.

5. Empty the drip tray

Do not attempt to remove the drip tray from the rear of the refrigerator. Be careful not to bump the refrigeration tubing. The tray may have water in it, be careful not to spill it while removing any water in the tray. This should be carried out at least once a year. Use a sponge or towel to soak up the water from the drip tray into a bucket. Discard the water appropriately.

6. Please check the points below after maintenance:

- (1) Is there any damage or loss of the power lead?
- (2) Can the power plug be inserted into the power socket correctly?
- (3) Is the power plug and/or lead heating up?

DISCONNECTION OF THE APPLIANCE

If a power failure occurs, even in summer, the refrigerator could store food normally for some time.

1, Power failure

During a power failure, do not put additional food in the appliance and reduce opening the door frequently.

Place several ice cubes into a container if power failure is anticipated beforehand, and place it in the top of the fridge.

2, Power failure during vacation

Before departure of a short vacation, remove any items that could spoil if a power failure occurs. Ensure the door is closed firmly.

If going on a long vacation, remove all items, clean and wipe dry the internal of the appliance, prior to disconnecting the power and leave the door open.

3, Storage of appliance

If the refrigerator will be stopped for a long period of time (storage), remove all items, clean and wipe dry the internal of the appliance, unplug the appliance from the power outlet. The door should be kept open in order to prevent unpleasant odours.



CAUTION

Unplugging the appliance from the power outlet, please leave at least 5 minutes before reconnection.

TROUBLESHOOTING

The following cases are not malfunctions:

1. Moisture may form as condensation on the outside of the appliance during humid conditions. To remove excess moisture, wipe clean.
2. The flow of refrigerant through the pipeline coil could cause gurgling, similar to water boiling. This is the normal function of the appliance.
3. It is normal that the sides of the appliance will get warm as a result of the refrigeration system operation.
4. The appliance operation could cause electrical interference to electrical equipment.

SYMPTOM: The refrigerator does not work.

SUGGESTION: It may not be connected to the power supply (plug, power failure or blown fuse) and switched on. Check that the temperature dial is not set to 0 position.

SYMPTOM: The refrigerator does not work efficiently as expected.

SUGGESTION: It may be caused by heavy frost on the ice box compartment, by a warm temperature setting or by frequently opening the door, or low voltage.

SYMPTOM: It makes an unusual noise.

SUGGESTION: It may be caused by an unbalanced appliance or unstable surface, bottles are badly placed and rattling, vibration from an object on top of, behind or beside the appliance.

SYMPTOM: The compressor keeps working for a long period.

SUGGESTION: The environment temperature may be too high. The doors may be opened frequently or they are left open. The temperature setting may increase the working time of the compressor. Large amounts of warm food recently placed in the appliance.

SYMPTOM: Unpleasant odours.

SUGGESTION: Interior may need cleaning. Some foods produce strong odours, some containers can also cause odours. Food should be packed tightly before being put inside the appliance. Please check whether there is any spoiled items left in the appliance.

SYMPTOM: Heavy frost occurs in the freezer compartment.

SUGGESTION: Make sure the door is fully closed.

SYMPTOM: Refrigerator temperature is too cold.

SUGGESTION: Check the position of the temperature dial.

ERROR CODES

DISPLAY	DESCRIPTION
E1	Refrigerator temperature sensor circuit
E2	Freezer temperature sensor circuit
E5	Freezer defrost sensor
E6	Communication circuit
E7	Ambient temperature sensor

REPAIRS, SERVICE & WARRANTY

It is hazardous for anyone installing, removing, altering, repairing, servicing, testing or certifying the gas system of a gas device (i.e. charging, discharging or breaking into the refrigeration system that uses hydrocarbon refrigerants).

Only an Authorised Service Person can carry out servicing or repairs to this appliance. In Queensland the authorised person must hold a Gas Work Authorisation for hydrocarbon refrigerants, before carrying out servicing or repairs which involve the removal of covers.

Individuals will need to hold appropriate refrigeration/air conditioning competencies and also training in hydrocarbon refrigerants. This type of authorisation is provided to individuals only.

IF SERVICE IS REQUIRED:

If you have a problem, and the problem persists after you have made the checks mentioned above, contact:

TECO Australia's Service on 1300 660 037

For warranty details please visit www.teco.com.au

Complete and retain the following information:

Name of retailer: _____

Date of purchase: _____

Model No. : _____

Serial No. : _____

MFG code: _____

Please retain proof of purchase for warranty claims.

SPECIFICATIONS

Model		TFF470WNTA TFF470SNTA
Climate class		T
Classification of installation and use		Class 5T Indoor use only
Rated Total Gross Volume (L)	Fridge	346
	Freezer	124
Voltage (V)		220~240
Frequency (Hz)		50
Noise Level (dB)		45
Refrigerant type		R600a
Ambient Operating temp (°C)		43
Dimensions (mm)	Height	1745
	Width	750
	Depth	735
IP rating		IPX0
Net Weight (Kg)		82



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