



# PORTABLE REFRIGERATION



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Designed & manufactured in South Africa by National Luna  
Complies with IEC 60335-2-24 International Safety Standards

# Owner's Manual



*for every adventure*

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# PORTABLE REFRIGERATION

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# PORTABLE REFRIGERATION

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## Introduction



### ***Congratulations on the purchase of your National Luna Trailboss Series portable Fridge/Freezer***

In 2018 Outdoor Warehouse commissioned National Luna to manufacture a unique Stainless Steel chest-type refrigerator/freezer exclusively for their customers.

Developed for performance at high ambient temperatures, minimum power consumption and high operating efficiency, these single compartment Fridges are recognised as **the most powerful in the world.**

Utilizing world-class technology, all refrigerator models are built using high quality materials, unique assembly techniques and strict testing procedures to ensure the highest level of quality and performance.

The use of a custom-designed digital thermostat and smart control circuitry ensures temperature stability. Low power consumption is achieved using 42mm high-density insulation and a very compact design.

National Luna is a South African company and was established in 1987. In 1989 the company expanded into manufacturing high efficiency chest-type refrigeration for the solar power medical vaccine industry.

The National Luna range of portable Fridges and Freezers are high-performance, high efficiency refrigerators ideal for extreme conditions and applications that operate off battery power, such as off-road vehicles, caravans and solar installations.

With the aid of an integrated electronic thermostat this unit can be accurately set as a Fridge or as a Freezer (+20°C to -30°C).

## Getting to know your portable Fridge

### Key Components

- 1 Lid
- 2 LED Interior light
- 3 Lid locking latch
- 4 Cabinet exterior
- 5 Control panel
- 6 4 baskets
- 7 Cooling bin (Evaporator)
- 8 Carry handles
- 9 Compressor area
- 10 DC input with fuse (15A)
- 11 AC input



## Getting to know your portable Fridge

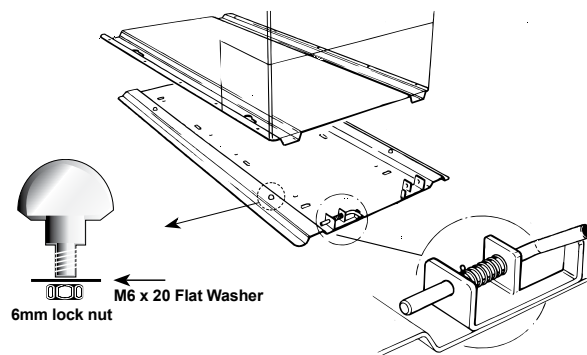
### Precautions

When the refrigerator is used in an automotive application, ensure that it is secured to prevent accidental movement. The carry handles can be used with straps or tie-downs if necessary.

- A base mounting plate is optional and recommended for most applications.
- Ensure the correct type of cable and connectors are used for installation.
- Ensure that any power leads connected to the refrigerator will not be pulled or damaged by any movement of the Fridge - especially where slides or drawers are used.
- Do not use a power lead that is damaged.
- Do not connect the refrigerator to a power source that does not comply with the input power specifications. (Displayed on the Fridge's rear panel)
- When storing the Fridge, ensure that the lid is propped open to allow for breathing. Disconnect the appliance from an electrical source. (Note: When the Fridge is switched off, the interior light will still function if the unit is connected to a power source).

### Securing your Fridge in a vehicle using a Base Mounting Plate

A low-profile design with locking pin, this base offers a fixed mounting position with an easy to remove mechanism. The optional base mounting plate allows the refrigerator to be securely fastened to the floor or body of the vehicle.



The unique locking design ensures that the Fridge remains fixed in position.

## Getting to know your portable Fridge

### Securing your Fridge in a vehicle using Tie-Down Straps



Sturdy and functional carry handle. A hold down strap can be fitted in the slot provided as indicated.

(Care must be taken not to over-tighten the hold-down strap when using a ratchet device.)

### Air Flow



- Allow a 100-200 mm gap around the refrigerator compressor area for ventilation (Airflow). The higher the ambient temperature, the more ventilation space is required for efficient airflow and cooling. (In the case of inefficient airflow and cooling, the compressor will automatically shut down - see page 15 for Trouble Shooting).
- Do not block or cover the ventilation holes. (During off-road conditions items may become lodged around the cooling area).

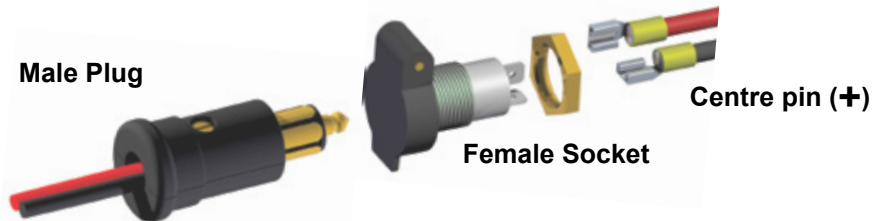
## Installation Guidelines

### Electrical Connections

When installing the refrigerator into a vehicle for the first time, ensure that the electrical connections to the vehicle's battery are secure and the specified wiring is used. (See wiring guidelines on page 9)

The fridge is supplied with a power lead for use with a 12 Volt DC supply.

This power lead is terminated with a high-quality male plug for connection into your vehicle.



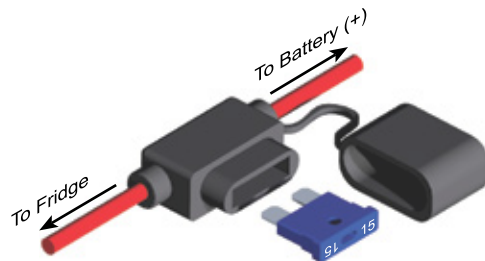
1. Install the supplied female socket into your vehicle in a convenient location.
2. Use a suitable cable to connect the socket to the vehicle's battery. A cable thickness of 4mm<sup>2</sup> or greater is recommended.



**When installing electrical outlets in your vehicle, do not rely on the vehicle's body for an electrical earth.**

### Fitting an in-line fuse

Although the fridge has a built-in fuse, it is recommended to install an additional fuse on the positive wire as close to the battery as possible. This will protect against short-circuits that may occur along the length of the cable. Ensure that all connections are properly crimped and insulated.



An automotive fuse with a rating of 15A is recommended

If you choose to change the attached plug on the DC cable for a different type, first ensure that the power has been disconnected before cutting it.

Split and strip the wires as required for the new plug. Take care to ensure that the correct polarity is used on the plug and crimp the connections where possible.

## Installation Guidelines

### Connecting power

This Fridge can accept a DC voltage ranging from 9.6V to 17V, as well as an AC voltage range from 85V to 265V.

The 12Vdc power input is protected with a 15A automotive blade fuse.

An AC and DC source can be connected to the refrigerator simultaneously. Under these conditions, the AC supply will be chosen as the primary power source.

If the AC supply is interrupted, the DC supply will be automatically selected and operation will continue normally. (After a 1 minute delay)



### Suggested Wiring Specifications / Guidelines

One of the most problematic issues with installing a 12 Volt refrigeration system is incorrect wiring. Most users do not understand the importance of maintaining battery voltage over the distance from the battery to the installed Fridge. While most car cigarette lighter sockets appear to be adequate, in practise a large voltage drop occurs between the socket and the car battery. This may result in the fridge shutting down as a result of a low-voltage condition.

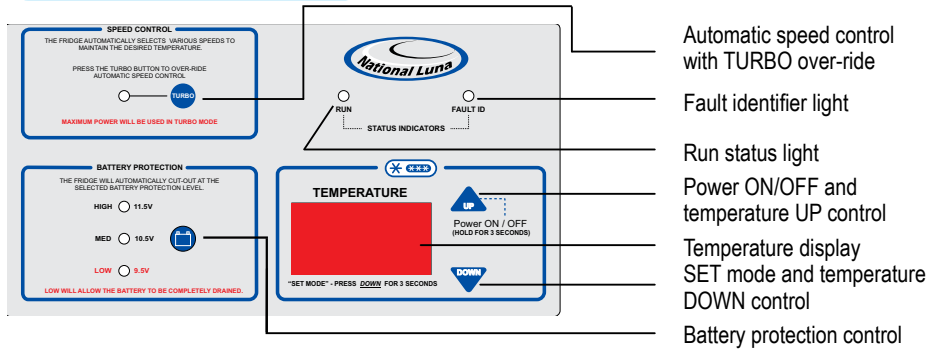
It is recommended the following table be used as a guide to establish what cable thickness is to be used depending on the distance from the car battery to the fridge. As a rule of thumb one should use a 1.0 mm<sup>2</sup> multi-strand copper wire per meter of distance from the battery.

Cable Size	Max Length between battery & fridge
Cross Section mm <sup>2</sup>	12 Volt Operation Meters
4	4
6	6
10	10

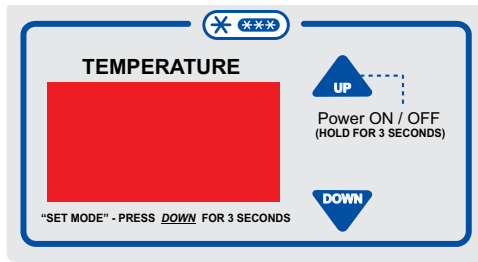
Note: Two wires (positive & negative) must be connected from the battery to the Fridge / plug point.

## Operating your Fridge

### Main Control Panel



### On / Off Control



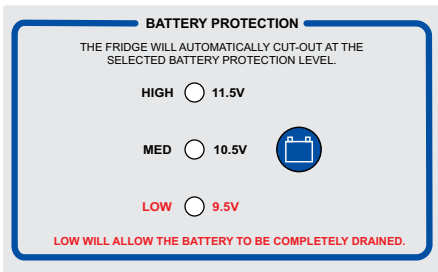
The refrigerator can be turned **ON** and **OFF** via the control panel.

Press and hold the **UP** button for 3 seconds to turn the fridge **ON** or **OFF**.

If power to the refrigerator is interrupted, it will default to **ON** automatically.

Note: When the fridge is switched off, the interior light will still function if the unit is connected to a power source.

### Battery Protection Settings



The refrigerator is equipped with a multi-level battery protection circuit.

The user has the choice of three voltage levels at which the compressor will shut down to protect against excessive battery discharge. (See page 11)

To change the protection level, press and hold the **DOWN** button until the preferred level is reached.



Selecting the **"Low"** cut-out setting can cause excessive discharge resulting in damage to the battery.

**Note:** When changing the protection level the compressor will stop and cut back in a few seconds later. When powered by an AC source, the battery protection level can be changed but will only affect operation when the DC source is used.

## Operating your Fridge

### Low Voltage Battery Protection Settings

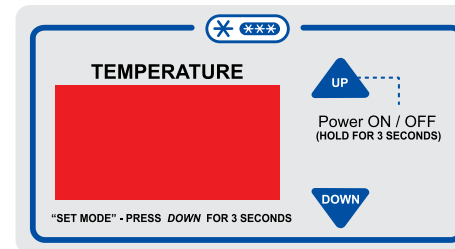
The NL25-C3 Electronic Compressor Driver unit will cut-out at the low / medium / high selected setting. Once the compressor has cut-out, it will not restart (cut-in) until the voltage rises. The table below reflects the set points.

Battery Protection	12 VOLT	
	Cut-out	Cut-in
LOW	9.6	10.9
MED	10.4	11.7
HIGH	11.3	12.5

Note: these values are measured at the Compressor Driver unit input. It is important to note that poor / thin wiring and bad connections to the battery can cause a large voltage drop. When this occurs the fridge switches off and will re-start again on a repeat cycle "hunting".

**NOTE:** When connecting the fridge for the first time, it will look at the cut-in voltage. If the battery protection is set on "High" the initial cut in voltage will be 12.5. If the battery is not fully charged the fridge will not start. Simply select "Low" to start. When selecting "Low" the fridge will operate within a voltage supply of 9.6-17.0 Volt.

### Setting the Temperature



The digital thermostat fitted to this refrigerator allows accurate setting of the desired cooling temperatures. With the single compartment refrigerators, temperatures can be selected between +20°C and -30°C in 1°C increments.

When powering up the fridge the first time, the temperature inside the fridge will be reflected on the display. (NOTE: the previously set temperature will be in memory) To select the new cooling temperature, press and hold the **DOWN** button until the display starts to flash. (The previous set temperature will be displayed).

Press **UP** or **DOWN** to raise or lower the desired temperature. The thermostat will accept the new setting and exit the setting mode 10 seconds after the last button was pressed. (It will now remember the new set temperature).

The temperature display will reflect the inner bin temperature prior to the new setting. Provided the new setting is colder, the compressor will then switch on and cool the fridge further to the set point. (During this time the run indicator light will be displayed).

## Operating your Fridge

### Dynamics of Temperature Settings

The compressor is controlled by the digital thermostat setting. It has a unique Multi - Speed (2,000 - 3,500 rpm) capability which makes it ideal for use in all mobile applications up to an angle of 35 degrees. It can function efficiently in extreme conditions where it is not uncommon to have ambient temperatures above 40°C.

### Inner Bin / Cooling Compartment

To control temperature, the thermostat sensor must be placed in a position in order to take a temperature reading.

For practical purposes National Luna has elected to place this temperature sensor on the metal surface forming the interior bin of the Fridge/Freezer. Thus the switching on and off of the compressor will be controlled by the bin surface area temperature.

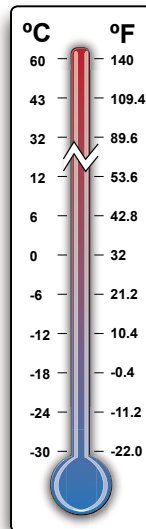
The inner volume of the cooling bin (i.e. core/centre temperature) will take time to “pull down” to equalise the bin temperature. (In practise it is common that the set temperature will be within 3°C of the core temperature).

Ambient temperatures surrounding the Fridge must also be taken into consideration. Very high outside temperatures will play a major role in the running time of the fridge. (e.g. The fridge will run longer to maintain or reach the target temperature set).

### Temperature Guidelines

The following table is a guideline to setting the correct temperature range for different foodstuffs.

Recommended choice of temperatures	
Fresh fruits & vegetables Dairy products Smoked / prepared meats	3°C to 6°C
Cold beverages	0°C to 4°C
Short-term frozen meats	-6°C to -11°C
Frozen meats and fish Ice cream / frozen desserts	-18°C



Conversion Chart

## Operating your Fridge

### Introduction to Smart Compressor Speed Control

This Fridge is fitted with a Smart Compressor Speed Control function which will vary the speed of the compressor in order to conserve power and optimise performance.



On initial plug-in, the compressor will have a one minute time delay before starting.

At the start of each cycle the Fridge will automatically run at low speed for 3 minutes to equalize the pressure in the system.

#### • Logic 1 (Setting the bin temperature in a range of +20°C to -11°C).

The compressor will operate at 3 speeds: low 2,000 rpm, medium 2,750 rpm and high 3,500 rpm. When the inner bin temperature is warm, the Fridge will automatically run at full speed to bring the inner bin temperature down as fast as possible. It will then step down to medium speed to reach the set temperature point where the fridge will then switch off. The temperature will then be maintained at low speed.

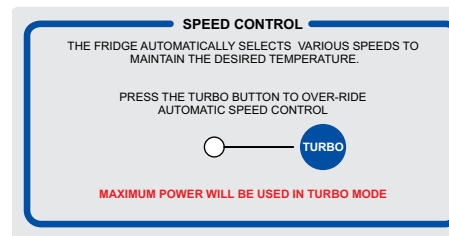
This logic makes the Fridge operate and maintain the desired bin temperature under all ambient temperature conditions optimising performance and efficiency.

Should the temperature of the fridge contents change, such as when fresh foodstuffs are added, the fridge will automatically speed up to cool the new contents.

#### • Logic 2 Deep Freezing (Setting temperature below -11°C).

When temperatures are set below -11°C, the Smart Compressor Control will operate at high speed to bring temperature down as fast as possible to the desired set point. Thereafter the temperature will be maintained at medium speed.

### Speed Control Setting

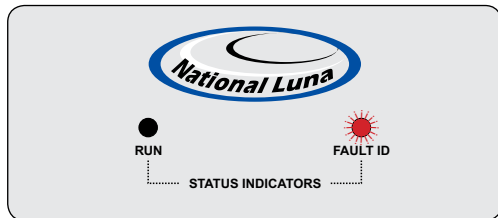


For situations where maximum cooling power is required, press and hold the “Turbo” button until the indicator is illuminated.

This will bypass automatic control and force high speed operation.

**Selecting the “Turbo” mode will override the Smart Compressor Speed Control function and the unit will run at maximum speed**

## Indicator Lights



Status indicators will identify the current operation of the refrigerator.

- RUN -** This indicator will be illuminated whenever the fridge compressor is running and the compartment is being cooled.
- FAULT ID -** This indicator is used to identify fault conditions that may occur with the refrigerator such as low power supply. This indicator will flash a pre-determined number of times every 4-seconds when a particular fault occurs (see table below).

### FAULT DESCRIPTION

NUMBER OF FLASHES

- 1** Low voltage. This is shown when the DC supply voltage is low. The battery could be flat, wiring losses are too high or there is a poor connection to the power source.
- 2** Fan over-current cut-out. There is a problem with the ventilation fan. It is possible that the ventilation fan is damaged.
- 3** Motor start error. The compressor has not started successfully. This can happen in extreme environments where the refrigerator is heavily loaded & temperature is very high.
- 4** Minimum speed error. The motor cannot maintain a minimum speed of 1900 rpm. This can be the result of an internal electronics failure.
- 5** Thermal cut-out. The electronic circuitry has over-heated. This happens in very hot environments. This can occur when the fridge is over-loaded with warm contents and the ambient temperature is high. The electronics will re-set when the temperature has dropped.
- 6** Electronic Compressor Driver hardware failure.

In abnormally high temperature conditions, the compressor may switch off for one minute and then attempt to restart. It will continue to do so until temperature conditions improve.

In the event of unusual or undesired operation, consult the table below before contacting a service agent.

PROBLEM	POSSIBLE CAUSE	REMEDIAL ACTION
The fridge will not run when connected to 12V, but only when connected to 230V mains.	12 Volt polarity reversed. The battery is discharged.  The DC supply has inadequate wiring, causing voltage loss. (See page 9)	Check polarity to battery is correct. Recharge the battery.  Ensure all connections are secure. Ensure supply has 4mm <sup>2</sup> wire or thicker and that the vehicle's body is not used as an earth.  Select "Low" on battery protection (See page 10 and 11)
Fault ID light flashes once every 4 seconds.	Fridge is initially connected to a battery that is not fully charged.	Select "Low" on battery protection (See page 10 and 11)
The ventilation fan is noisy or not running.	The ventilation fan is blocked or damaged. There is excessive dust or dirt build-up on the fan. Fan damaged.	Check the ventilation fan for obstructions. Ensure sufficient space is allowed around the ventilation area. (page 7)  If the fan is broken, return the refrigerator to an authorised agent for repair (page 17).
The Fault ID light is flashing twice every 4 seconds.		
The Fault ID light is flashing 3 times every 4 seconds.	The compressor failed to start correctly. High pressure due to over-load or Electronic Compressor Driver failure.	Under high pressure conditions this fault will rectify itself automatically when gas pressures equalise.  Continuous 3-flash conditions may require Electronic Compressor Driver replacement by an authorised service agent. (Page 16)
The Fault ID light is flashing 4 times every 4 seconds.	The compressor is not maintaining the correct minimum speed.	Continuous 4-flash conditions may require Electronic Compressor Driver replacement by an authorised service agent.
The Fault ID light is flashing 5 times every 4 seconds.	Compressor area is over-heated. The cooling fan is in-operative. Ambient temperature very high. Fridge over-loaded.	Check fan. Check for inadequate ventilation (See page 7) Wait for ambient temperature to drop. (See page 17)
The Fault ID light is flashing 6 times every 4 seconds.	Electronic Compressor Driver failure (controller detects abnormal parameters.)	Replace NL25-C3 Compressor Driver (see page 16)
The thermostat display is showing " Prf "	The internal temperature probe is faulty, damaged or disconnected.	Contact a National Luna service agent for a probe replacement.



## General Maintenance

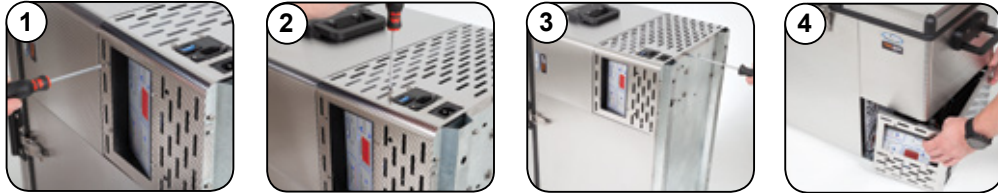


### Disconnect the Power Supply

Failure to disconnect the power supply may result in electrical shock or personal injury.

### Removal of Side Cover

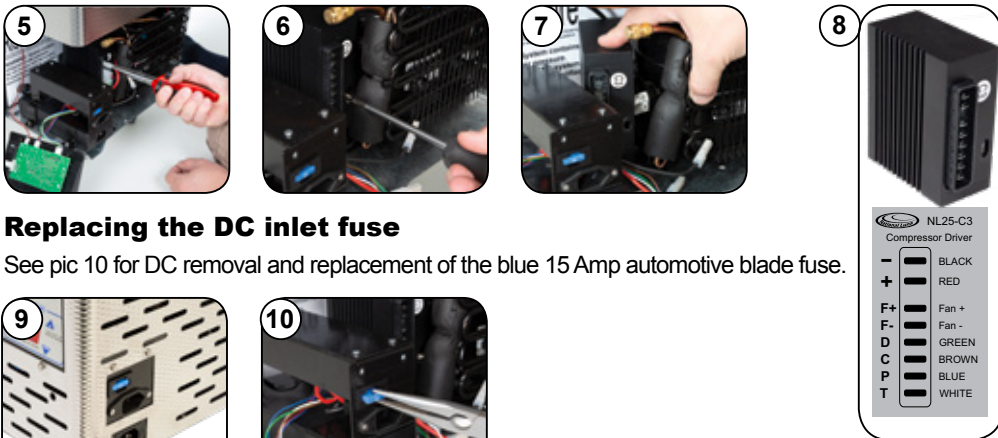
Tip refrigerator so that the grill area is at the top. (Pic 1) Remove the screws from the face plate (4x M3 screws) and from the power inlet area (2x M3 screws - Pic 2). Then remove the screws from the base plate (6x M5 screws - Pic 3). The grill will now slide away easily. (Pic 4)



### Removal of the Electronic Compressor Driver

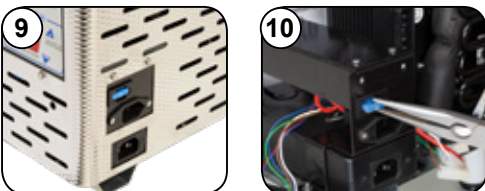
It will be necessary to remove the colour coded wiring from the electronics using a pair of long nosed pliers (Pic 5). Using a screw driver, remove the mounting screw that holds the Electronic Compressor Driver (Pic 6). Remove the Electronic Compressor Driver and the 3 pin coupler as shown (Pic 7). When re-connecting new electronics take care to adhere to the wire colour coding. (Pic 8)

**Incorrect connection may cause irreparable damage to the electronics**



### Replacing the DC inlet fuse

See pic 10 for DC removal and replacement of the blue 15 Amp automotive blade fuse.



### Replacing the AC Power supply

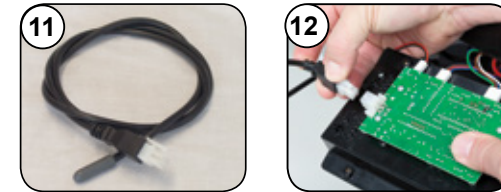
Disconnect the cables and slide out the power supply to replace.



## General Maintenance

### Replacing the temperature probe

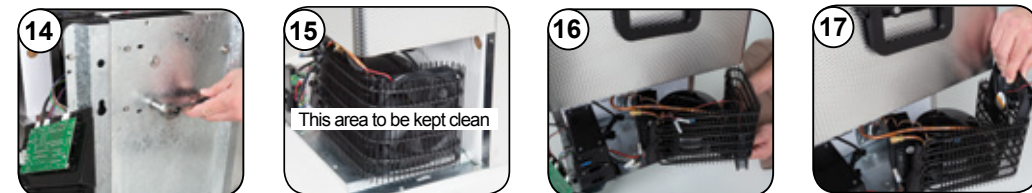
The temperature probe (Pic 11) is inserted into the refrigerator box and clips onto the face plate PCB. A soft putty compound is pressed around the probe cable to prevent condensation / water ingress. Ensure that the new probe is inserted to the same depth as the original probe.



### Cleaning the Condenser / Replacing the Fan

Fluff and dust can collect around the fan and condenser area which can choke the air flow and affect the fridge performance (Pic 15).

The fan is attached to the condenser unit. In order to access the fan, the compressor has to be removed. Loosen the compressor mounting bolts (Pic 14) then proceed to swing the compressor outwards (Pic 16). Remove the fan and replace (Pic 17).



### Removing & replacing the interior LED light

Using a small screw driver, push up the clip that holds the LED housing in place. (Pic 19). Unclip the wires and replace the unit (Pic 20)



## General Maintenance

### Door seal and adjustment (Loose latch condition)

This refrigerator utilises a multi-cavity door seal which gives exceptional sealing capability. Under hot conditions, and after loading the fridge, the door could be “sucked” closed. (A vacuum is formed inside the Fridge causing difficulty to open and a temporarily loose latch condition).

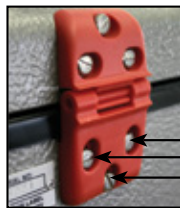


The material used tends to be soft and pliable under warm conditions and may harden during cold/winter conditions tending to retain it's compressed state.



(The door latch can be slightly loose under this condition). By carefully using a hair dryer the seal can be softened and returned to it's expanded state.

It is very simple to adjust the door lid hinges at the rear of the fridge to compensate for this “play/loose door latch condition”. Loosen the screws of the door hinges on the main body of the fridge (bottom part of the hinge) Lightly depress the back of the door lid evenly on it's length and re-tighten the screws. The door latches will now be tight.



Loosen, adjust lid,  
and re-tighten screws.

### Removing & replacing multi-cavity door seal

Over time the door seal adopts and moulds/compresses itself into a fixed shape.

Simply pull the seal from a corner and remove. One can clean the seal and place it in the sun to soften the material. It can also be softened using a hair dryer to attain it's uncompressed state. Refit the seal by simply pressing it back in place.

## Care and Cleaning

Your refrigerator should be cleaned in the following manner, both on installation and when defrosting. It is important that you keep the inside and outside of your refrigerator/freezer clean to prevent bacteria and odours from forming.



Remove all food and **disconnect the power source before cleaning**.  
**Do not use any ammonia based cleaning products as this may have an adverse chemical reaction with plastic components.**  
Do not dry the fridge in direct sunlight.

### Interior:

Wash the interior of the refrigerator with a mild household cleaner (dishwashing liquid) or 2 tablespoons of bicarbonate of soda diluted in 250ml of warm water. Rinse with warm water and dry.

### Fridge / Freezer Odours:

Place an open container of Bicarbonate of Soda into your fridge or freezer to absorb odours. Stir every two weeks and replace every two months.

### Exterior:

Wash the exterior with the same solution as for the interior.

**N.B. DO NOT use a garden hose to wash the refrigerator exterior as this could jet water into the electronics.**

### DO'S ✓

- Routine simple and gentle cleaning
- Use cleaners showing “Suitable For Stainless Steel”
- Employ repeated Routine Cleaning rather than an aggressive single cleaning

### DON'TS ✗

- Use coarse abrasive powders
- Use metallic scourers (or brushes with metal bristles)
- Use the “Silver Cleaners”
- Use any ammonia based cleaning agents

### Stainless Steel - (Grade 430)

Because of its reputation for durability, Stainless Steel is sometimes assumed to be indestructible, and therefore subjected to misuse or even abuse. Care should be taken to avoid such “abnormal” use.

- **Avoid prolonged contact with heavily spiced or salty food, raw bloody meat, some salad dressings, citrus juice (especially lemon juice), etc.**
- **Do not leave ordinary steel or cans in contact with stainless steel under damp conditions as an electrolytic reaction occurs and causes stains.**

**ROUTINE CLEANING:** Stainless Steel's best friends are quite simply soap, or mild diluted detergent in warm water, applied with a soft cloth or synthetic sponge. Occasionally the use of a fine synthetic scourer (green “Scotch-Brite”™) or a brush with nylon bristles may be used. Rinse well, dry with a soft cloth.



## NATIONAL LUNA LIMITED WARRANTY SOUTH AFRICA (Only)



This National Luna Warranty supersedes any other advertised Guarantee or Warranty provided with this appliance by any wholesaler or retailer.

National Luna warrants this product to be free from defects in materials and / or workmanship under normal use and service to the original purchaser subject to the following :

1. At any time within THREE YEARS from the date of purchase by the original purchaser, National Luna will at its discretion replace or repair without cost to the owner, through an authorised service agent, any part found to be defective by National Luna.

**Where parts are replaced by an authorised service agent, the labour account for the work done will be for the owner's account.**

2. This warranty does not apply to light bulbs, fuses, cooling fans or items where the length of life depends on the amount of use and care given.
3. This warranty is valid in South Africa only.
4. National Luna may consider a warranty void if modifications have been made to this appliance which may cause undesirable or hazardous operation or may be the cause of the malfunction of this product.
5. National Luna shall not be responsible for any damages of any kind resulting from incorrect voltages or faults with regards to power supply which fall outside of the appliance operating specifications.
6. National Luna shall not be responsible for damage to the appliance caused by negligent use, storage of hazardous chemicals, use of corrosive substances, fire, flood, civil-disturbances, lightning or any other natural phenomenon.
7. Warranty returns to the factory for repairs - in the event where the unit has been shipped to the factory for repairs, transport costs will be for the owners account.
8. National Luna will not accept any responsibility for the consequential loss or damage caused by, or due to the malfunctioning of this appliance.
9. National Luna shall not be held responsible for any injuries to persons caused by the incorrect or negligent usage of this appliance.
10. Repair work to be done in terms of this warranty must be referred to National Luna for written authorisation before any work is carried out.
11. National Luna reserves the right to refuse repair or service under warranty if the Warranty registration card or original proof of purchase cannot be produced.
12. Proof of purchase and purchase date must be presented with submission of a warranty claim. All refrigerators have a unique serial number.

**(Removal of the serial number on the appliance will render this warranty void).**

## NATIONAL LUNA LIMITED WARRANTY INTERNATIONAL

This National Luna Warranty in South Africa cannot be applied outside the South African borders for practical reasons.

1. National Luna has a world wide distributor network. These distributors import products and carry the warranty (at their cost) in line with the various countries conditions of sale.
2. Cross border customs and duties apply. A National Luna manufactured product that is returned to the factory in South Africa will have the South African warranty applied. However, all transport costs incurred will be for the purchaser's account.
3. It is important to note that a private purchase of a refrigerator in South Africa and exported will not carry a warranty. Any labour repairs and parts required would incur costs in foreign currency and be for the owner's account.
4. In the event of a National Luna refrigerator being fitted as standard equipment in caravans and trailers and subsequently being exported from South Africa, the warranty must be carried by the persons responsible for importing into a country other than South Africa.
5. It is recommended that National Luna products be purchased from the authorised importer of that particular country who would carry the applicable warranty and back-up service.



## 8 YEAR LIMITED COMPRESSOR WARRANTY



1. The National Luna compressor has a 3-year manufacturer's warranty.
2. Correct completion and submission of the Warranty registration card supplied with this booklet allows for an additional 5-year warranty to be provided by National Luna on the compressor.
3. The warranty applies only to household & leisure use.
4. This extended warranty does not cover the product where it has been used in a commercial application.

For tracking and warranty purposes, please fill in the information below

Serial No : \_\_\_\_\_

Dealer's name / Stamp :

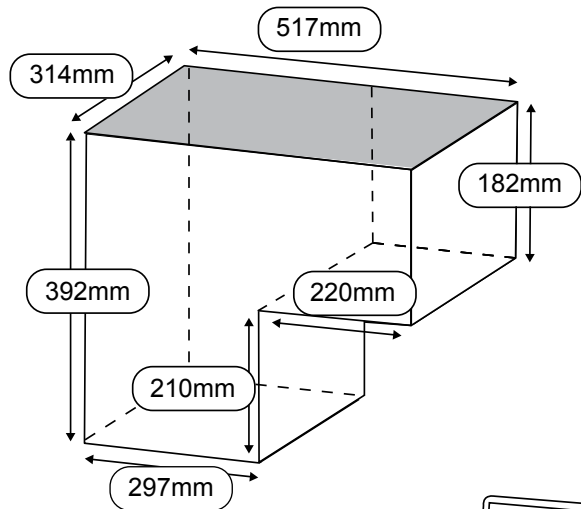
Model : \_\_\_\_\_

Date purchased : \_\_\_\_\_

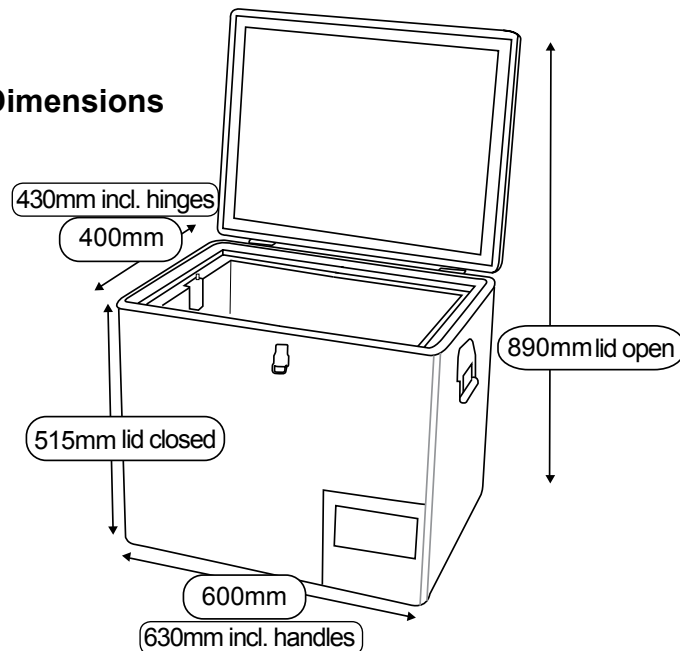
Invoice No : \_\_\_\_\_

## Dimensions

### Interior Bin Dimensions



### Exterior Fridge Dimensions



The appliance is not to be used 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.

- Children should be supervised to ensure that they do not play with the appliance.
- Appliance shall not be exposed to rain
- Do not store explosive substances such as aerosol cans with a flammable propellant in appliance.
- This appliance is intended to be used in:
  - Staff kitchen areas in shops, offices and other working environments
  - Farm houses and by clients in hotels, motels and other residential type environments
  - Bed and breakfast type environments
  - Catering and similar non retail applications.
  - Suitable for camping use

## Disposing of your old appliance

Electrical and electronic appliances often contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance. Therefore do not dispose of it with your household waste.

Please dispose of it at your local community waste collection / recycling centre and ensure that it presents no danger to children while being stored for disposal.

The plug must be rendered useless and the cable cut off directly behind the appliance to prevent misuse. Take care not to damage the pipe-work at the back of it before or during transportation to an authorised collection depot. In this way, refrigerant in the pipe-work and oil in the compressor will be contained, and will not leak out into the environment.