Table of Contents

ALARM AND KEY STORAGE	2
PETROL TANK	2
OVERHEAD CUPBOARDS	2
WATER TANK CONFIGURATION	2
Water And Safety	3
Filling The Freshwater Tanks	3
Flow Meter Reset	4
Grey Water Tank	4
Emptying The Grey Water Tank	4
Emergency Water Use	5
RENOGY 3000W INVERTER	5
What The Inverter Does	5
Important Usage Instructions	5
JOOLCA BLUE WATER PUMP FOR COOKING AND SHOWERS	6
Turning The Pump On/Off	6
Troubleshooting The Water Pump	6
To Clear An Air Bubble	6
For Quick Hot Water (240V Inverter Mode)	7
For Low Power Heating (12V Mode)	7
Indoor Shower	7
Outdoor Shower	8
CONNECTING TO SHORE POWER	9
Equipment	9
Connecting to 15-amp Campsite Power	10
40A BATTERY CHARGING SYSTEM	10
Charging the Cabin Battery	10
THE SOUNDBAR	11
Operating The Soundbar	11
Main Wired Lighting System	11
Bedroom Downlights	12
OUTDOOR SIDE AWNING	12
Opening the Awning	12
Securing the Awning Legs	12
Closing the Awning	13
CHECKLISTS	13

ALARM AND KEY STORAGE

As you enter through the side door, you'll find a small ball hook on the right, this is a convenient spot to hang the van key. At night, when you're inside the van, activate the alarm system to secure the vehicle.

Important: Before opening any doors in the morning, make sure to disarm the alarm. If the alarm is not turned off, it will be triggered when a door is opened.

PETROL TANK

The van runs on diesel. The fuel tank outlet is behind the panel beside the passenger side door. The passenger door must be open to release the panel cover.

Please ensure the tank is completely full upon return.

OVERHEAD CUPBOARDS

All overhead cupboards are fitted with standard RV push-hinge supports. To avoid damaging the hinges, please push the hinge in before closing the cupboard, rather than forcing the door shut.

WATER TANK CONFIGURATION

The van is equipped with three freshwater tanks complete with an internal filtration system. The three freshwater tanks combined give a total of 100 litres and the one grey water tank can hold 30 litres. They are located under the van and configured as follows:

- One large freshwater tank on the outer driver side
- One small freshwater tank on the inner driver side
- One large freshwater tank on the outer passenger side
- One small grey water tank on the inner passenger side which includes a release tap for drainage

This configuration ensures balanced water distribution across the vehicle and convenient access for both filling and emptying as needed.

Water And Safety

Using a blue hose specifically for filling potable (drinking) water in a van or RV isn't just about colour coordination, it has real, practical benefits. Blue hoses are made from food grade, BPA free materials. They are non-toxic and do not leach chemicals into the water, unlike standard garden hoses, which are often made from rubber or vinyl and may contain harmful materials. In many campsites and caravan parks, using a food safe hose is a requirement. The blue hose required for filling the freshwater tanks is stored in the freshwater hose bag behind the driver's seat in the front cabin.

To avoid potentially contaminating the tanks, please ensure you only use the blue hose to fill the freshwater tanks. Do not use dump-point taps to fill the freshwater tanks, only use taps that provide potable water.

Filling The Freshwater Tanks

To fill the freshwater tank (used for washing, cooking and showering) follow these steps:

Hose Setup

Use the provided blue hose in the freshwater bag for potable water only. You'll find hose connectors and adaptors in the accessories bag. There is also a tap key in the cabin dash for when you find a tap without a tap handle.

Access the Tank Inlet

The freshwater tank inlet is located beneath the driver's door. Slide the cap backwards to remove it and place it next to the front wheel to avoid forgetting it.

Connect and Fill

Attach one end of the hose to the tank inlet and the other to a clean, potable water tap. Turn the tap on fully, if you see a lot of water flowing out from the nozzle it means the tap is releasing water at a high pressure rate so you can turn it down slightly to prevent water wastage.

Check for Full Capacity

When the tanks are nearing capacity, water will begin to overflow from all freshwater tanks. Overflow on the two outer tanks must be visible to confirm the tanks are completely full. If only one tank overflows, only that tank is full.

Disconnect and Pack Away

Once full, turn off the tap and disconnect the hose. Drain any residual water from the hose before returning it to the appropriate hose bag to prevent leakage.

Return any connectors used to the accessories bag (these are often forgotten). Replace the van nozzle cap securely.

Flow Meter Reset

Each time you refill the tanks, it's a good idea to reset the Flow Meter. This will give you an accurate reading of your fresh water level. The flow meter is located on the meter panel inside the cabin, in the kitchen.

To reset the flow meter on the meter panel and track your water usage:

 Press and hold the right hand button on the meter for 10 seconds. The screen will briefly flash red/purple and then reset to zero

Grey Water Tank

The grey water tank is accessed from underneath the van on the passenger side, in front of the rear wheel. An orange tap is located at the bottom of the rear end of the tank and is used to open or close the tank for emptying:

- When the tap handle is in line with the tank, the tank is open and grey water will drain out
- When the handle is turned across the tank, the tap is closed

Note: If water begins to back up through the kitchen sink drain, this indicates the grey water tank is full and requires emptying.

Emptying The Grey Water Tank

- Retrieve the blueish/grey hose from the dirty water bag
- Connect to the grey water tank tap
- Connect the other end to a designated dump point
- Turn the orange tap handle in line with the tank to open and allow water to drain fully
- Once draining is complete and you have disconnected the hose, turn the tap to the closed position and return hose to its bag.

Important Reminder. Do not mix hoses between drinking water and grey water systems as this poses a serious health risk.

Some campsites may allow the grey water tank to remain open for continuous drainage. Always check the campground's rules in advance to confirm their

policy.

Emergency Water Use

A 10-litre jerry can is stored in the rear drawer for emergencies. This can also be used to supply water for outdoor showering via the Joolca Hot Tap system.

ELECTRICAL CUPBOARD

The electrical system has been configured so that you can control the power using the remote switch on the panel meter in the kitchen. There is no need to touch anything inside the electrical cupboard. Please do not adjust any settings unless specifically instructed to do so

RENOGY 3000W INVERTER

The Renogy 3000W inverter is installed inside the electrical cupboard with the remote power switch located on the panel meter in the kitchen.

What The Inverter Does

The inverter powers all 240V appliances in the van and these include:

- Induction Cooktop
- Soundbar
- Air Fryer Oven
- Power points behind the oven
- Power point beside the bed
- Hot water heater

Note: The lights, fridge, under sink water pump and USB port in the dining/bedroom run on 12V power and do not require the inverter to function.

Important Usage Instructions

- Only switch on the inverter when you need to use a 240V appliance
- The inverter draws a significant amount of power, even when no appliances are in use. Leaving it on unnecessarily will drain the battery
- The main switch inside the electrical cupboard has been set to use the remote button on the panel meter and should not be adjusted
- The inverter is controlled solely by the switch on the meter panel

REMEMBER: The inverter consumes power even when idle so only turn it on when needed for 240V appliances and switch it off immediately after use.

JOOLCA BLUE WATER PUMP FOR COOKING AND SHOWERS

The Joolca blue water pump is located beneath the kitchen sink inside the cupboard. It activates the water system by pressurising the lines, allowing water to flow to the following outlets:

- The kitchen tap
- The indoor shower
- The outdoor tap/shower

The pump runs on 12v and does not require the inverter to be turned on. Use the pump only when water is needed and turn it off immediately afterward to preserve the system. Leaving it on can lead to air bubbles getting trapped in the line, which may trigger the motor to run automatically. This can result in the motor overheating and permanently damaging the unit.

Turning The Pump On/Off

A black switch is located at the front of the pump.

- Push left to turn the pump ON
- Push right to turn the pump OFF

When you turn it on you will not hear the motor start until you have opened the water. Once you close the water off the pump will continue to run for a few more seconds, you will hear the motor wind down to a complete stop.

Important Reminder. Always switch the pump OFF when not in use.

Troubleshooting The Water Pump

If you switch on the water pump and the motor immediately starts running, even though no tap has been opened, this usually indicates an air bubble is trapped in the water line.

To Clear An Air Bubble

- While the pump is running, turn on the kitchen tap
- Allow the water to run for approximately 10 seconds or until you hear a steady, uninterrupted water flow

- Once the flow stabilises, turn off the tap, followed by the water pump
- The pump should wind down and stop as normal.

Tip: This issue commonly occurs when a tap is opened before the water pump is turned on. If you suspect this has happened, follow the steps above to restore normal operation.

HOT WATER HEATER

The large white unit located beneath the kitchen sink is the hot water heater.

For Quick Hot Water (240V Inverter Mode)

- Turn on the inverter (located on the meter panel)
- Once the inverter is running, switch on the hot water heater using the power switch located on the unit itself
- The water will heat relatively quickly and stay hot for several hours after the unit is switched off

For Low Power Heating (12V Mode)

- Use the 12V switch on the under sink cupboard door trim
- This mode consumes less power but will take longer to heat the water

Important. Always turn off the hot water heater and the inverter after use. Leaving either on will continue to draw power, even when not in active use.

SHOWERS

Indoor Shower

To operate the indoor shower, follow these steps:

- Turn on the water pump using the switch beneath the kitchen sink
- Make sure you watch the indoor shower video on the instructions page
- Use the shower taps as you would with any standard shower

Important: All water from the indoor shower drains into the grey water tank. Before showering, ensure:

- There is sufficient capacity in the grey water tank; or
- The grey tank release tap is open to allow water to drain as it's used

Failure to manage grey water capacity can result in overflow or backwash through the drain.

For detailed setup instructions, refer to the Indoor Shower Instruction Video available on the website.

Outdoor Shower

Follow the instructional video on how to set up the Joolca outdoor shower kit. The video shows you how to set up the hoses, gas and general use as well as how to use the external water pump however to use water from an external source. You can also connect the system to the van's rear tap and draw water from the freshwater tanks.

To operate the outdoor shower located at the rear of the van using the van's freshwater and rear tap:

- Set up the outdoor shower according to the video on the instruction page
- Turn on the water pump (located under the kitchen sink)
- Switch on the rear water outlet by turning the switch beneath the tap at the back of the van
- Adjust flow and heat via the Joolca unit

Important:

- If the shower head is not connected, water will begin to flow directly from the nozzle as soon as the switch is turned on
- If the shower head is connected, control the water flow using the on/off switch located on the shower head itself

Additional information on the outdoor Joolca off-grid water system used to draw water from an external source.

The Joolca pump stored in the rear drawer, can draw water from external sources like rivers, creeks or lakes. It's designed to be portable and easily connects to various water sources, allowing users to pump water to a HOTTAP system for hot showers or other uses. The pump can be powered by a car battery or a portable power station.

How it works:

Self-priming

The Joolca pump is self-priming, meaning it can draw water from a source even if it's six feet or more above the pump

Weighted filter

The pump includes a weighted filter to keep the inlet submerged in the water source and prevent debris from entering the pump

Long-distance pumping

Joolca pumps are engineered to push water over long distances, allowing for use even if the water source is far from the HOTTAP system

Power options

The pump can be powered by a 12V power supply, such as a car battery or a portable power station, according to Joolca.

Important Note: The Joolca Hottap Off-Grid system operates on gas. Due to safety risks and regulatory requirements, we do not provide gas for your trip. If you choose to use the off-grid system, you are responsible for sourcing one and must ensure it is stored in accordance with all relevant safety standards. This includes securing the bottle to prevent movement during transport and adhering to all applicable regulations regarding gas storage and handling in vehicles. There is a link on the instructions page to the NSW Fire and Safety LPG Cylinder Safety Check List.

CONNECTING TO SHORE POWER

The external power outlet for shore connection is located on the driver's side of the van.

Equipment

- A 15-amp extension lead (stored in the front cabin, behind the driver's seat) is provided for use at powered campsites. Most campgrounds require this type of plug
- A separate 10-amp extension lead is included for use with standard household power (when connecting to a home socket) and must be used in conjunction with the 10 to 15-amp adaptor if plugging in to a household power source

Important. Do not mix up the extension leads. Using the wrong amp lead can result in unsafe charging or equipment damage.

Connecting to 15-amp Campsite Power

- Plug the 15-amp extension lead into the van's shore power outlet (driver's side)
- Connect the other end into the campsite's power supply
- Turn on the power at the campsite source

You are now connected to external power and are no longer using the van battery to provide power to your 240v appliances.

40A BATTERY CHARGING SYSTEM

The 40-amp battery charger is mounted on the far facing wall inside the electrical cupboard. It is connected to the main power board and is part of the van's multi-source charging system for the cabin battery.

Charging the Cabin Battery

The cabin battery can be charged in one of three ways:

1. Via Shore Power (Either 10 or 15A)

When connected to a powered campsite or home outlet, the 40A charger will charge the cabin battery automatically. Follow the instructions in the 'Connect to Shore Power' section for setup. The charger must be plugged in and the campground power source switched on.

2. While Driving

The cabin battery also charges from the vehicle's alternator while the engine is running.

3. Via Solar Panels

Solar panels supply power to the battery when exposed to direct sunlight. Ensure panels are not obstructed by tree branches, debris, or shade—even partial cover can stop charging.

Important Tips: Always ensure the solar panels have a clear, unobstructed view of the sky before relying on solar charging. They will not charge effectively if shaded by trees or other obstacles. If you're parked under cover or in shade, use driving time or shore power to top up the battery. When using the battery

charger via mains, you do not need to operate the inverter, as the charger runs directly from the ground source.

THE SOUNDBAR

The soundbar is mounted underneath the upper kitchen cupboards and provides enhanced audio for media playback.

Operating The Soundbar

Turn on the inverter. The soundbar is a 240V appliance and requires the inverter to be on to function. See the Inverter Operation section for instructions on activating the inverter.

- Locate the remote the soundbar remote control is wall mounted inside the front open shelf
- On your device (e.g. phone or tablet) open Bluetooth settings and search for available devices and connect
- Select the soundbar from the list to connect
- Once paired, you can stream audio wirelessly

Reminder. Turn off the inverter when the soundbar is not in use to preserve battery power.

INTERIOR LIGHTING

The van's interior lighting is divided into two zones and includes both wired and battery-operated options for flexible use and energy efficiency.

Main Wired Lighting System

The lighting is split into two main halves, each fitted with downlights and dimmers to adjust brightness as needed.

Kitchen Lighting

Controlled by a switch located at the outer end of the kitchen counter

Bedroom & Rear Lighting

Controlled from the windowsill to the rear right of the oven including the LED under-cupboard lighting

Tip: Use the dimmer feature to conserve energy when full lighting is not required, especially helpful when off-grid.

Bedroom Downlights

The bedroom area is also equipped with battery operated downlights for low power lighting.

- The remote control for these lights is mounted on the inner overhead panel (outer cupboard wall to the shower head)
- Use the green/red power button on the remote to turn all downlights on or off
- You can adjust brightness levels and set timers directly from the remote

Each light can be turned on or off manually by pressing the lens, ideal if you want only one or two lights on.

OUTDOOR SIDE AWNING

The awning rod is stored in the front corner of the kitchen, nearest the driver's seat.

Opening the Awning

For detailed guidance, please refer to the awning instruction video available on the website. Below are a few additional safety and usage tips:

Securing the Awning Legs

You must secure the awning legs every time it is extended. You can do this in one of two ways:

Using tent pegs tent pegs are in the toolbox in the rear drawer along with a mallet

Using the built-in clips on the van align the foot of each leg so it sits flush with the clip, slide it down into the clip, then slide the cover down to lock it in place

Important! If the awning is not secured and the wind picks up, it can lift suddenly and fold backward, potentially damaging the van roof or solar panels. Always secure the awning, no exceptions.

Closing the Awning

Before winding the awning back in, make sure the side door is closed as when open it interferes with the awning's retraction angle.

Follow the reverse process of opening:

- Partially wind the awning in
- Insert the legs and feet back into their tracking slots flush with the surface
- Finish winding the awning in completely

CHECKLISTS

There are three checklists on the website to help you to prepare the van for driving, at night and when returning to us.

ENJOY YOUR TRIP!

We hope you enjoy Aurora, she has taken us on great adventures and kept us safe and comfortable. If you need anything please call or message 0414 691 228 and I'll respond as soon as I can.

Warmest Wishes
Jo and Scarlett (the Dalmatian)