

New Zealand – Self Contained

Polaris 2

Gen 1





P2 Gen1 vehicle **MANUAL**

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Description of Keys



IGNITION KEY:

Use the indicated ignition key to:

- Start your vehicle
- Lock or unlock the fuel tank's cap



FRESH WATER KEY:

Use this key to lock/unlock freshwater compartment



COMPARTMENT KEY:

Use this key for:

- Unlock/lock toilet cassette compartment
- Unlock/lock LPG gas compartment



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Vehicle Equipment



FIRE EXTINGUISHER

Each vehicle is equipped with a dry chemical fire extinguisher, meticulously selected to address both type B fires (involving grease and liquids) and type C fires (involving electrical elements). To deploy the extinguisher effectively, grasp the ring situated atop the bottle, direct the nozzle towards the top of the flames, and press down the level firmly. Guide the nozzle from side to side to cover the entire width of the base of the flames.

* A fire extinguisher is attached to the interior of the vehicle, behind the rear passenger seat



SMOKE ALARMS

Each vehicle is furnished with a smoke alarm, serving as a crucial element for your safety and security. This alarm is powered by a replaceable 9-volt battery. Should a replacement be warranted during the duration of your rental, kindly procure a new battery, retain the receipt and upon vehicle return, reimbursement will be facilitated accordingly.

***Do not disconnect the smoke alarm. It must be connected at all times for your safety.**



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Starting the Vehicle

Gear stick in parking mode



Gearstick must be in PARK and your foot on the pedal for the vehicle to start.

The dashboard will display a 'P' indicating the vehicle is in Park. Start the vehicle using the ignition key.

Gear stick in driving mode



With your foot still on the brake pedal, pull the gear stick down into the 'D' position. The dashboard will display a 'D' indicating the vehicle is in Drive.

Disengage the hand brake by clicking it down once. A white light will disappear. To engage the handbrake, pull the handbrake button towards you. A white light will appear.



CAUTION – Handbrake is on the right-hand side of the steering wheel. Do not forget to disengage the hand brake before you drive.



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Baby Seat Installation



The two anchor points for baby seats are located on the front forward-facing seat at the dinette behind the driver's cabin. The anchor points are on the bottom of the chair at the back. To install the baby chair, feed the tether strap through the back of the chair. (red arrows)



Reach your hand through the middle join of the chair and clip the tether strap to the anchor point. Thread the vehicle seatbelt through the seat belt path on the baby seat from one end and buckle on the other side. Ensure the seatbelt is firmly secured.



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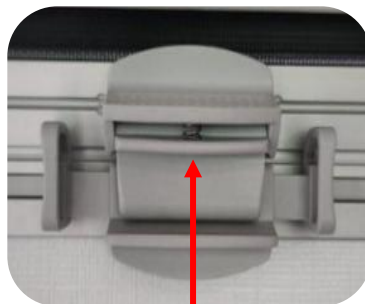
Windows & Vents

Windows

To open the windows, turn the black handles inwards. Push the window out. On the window arm screw in the bolt to make the window stay in place. The windows have a mosquito net and a blackout blind. To use the mosquito net, pull down the clip above the window and attached to the bottom clip.



To use the blackout blind, pull the blind up by pushing in the side buttons and pull the blind up and clip onto the mosquito net handle.



Vents

To open the vents, twist the handle anticlockwise. To close, twist clockwise.



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Fan

Your vehicle is equipped with a small fan above the double bed which is operated via 12-volt power.

To operate, look behind the fan and twist the dial in the middle clockwise. You can choose from 3 different speeds.

To turn off, turn anticlockwise.



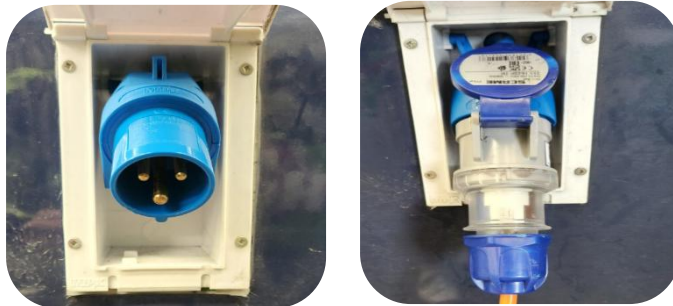


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240-Volt electrical system

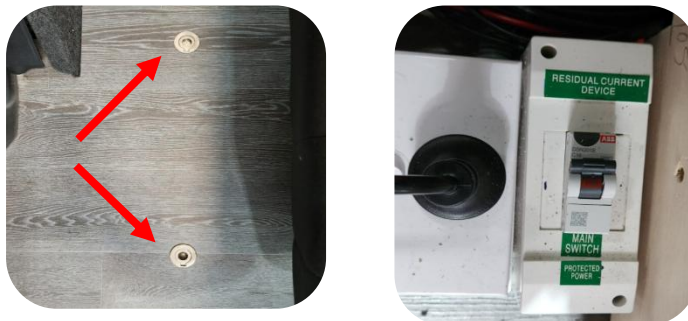
To run the microwave, power points and to recharge the house battery, connect the vehicle's 15AMP electrical cord to a 240-volt external power source. The above items will only work if you are connected to 240-volt power.

It is recommended that the vehicle is plugged into power every second night, to keep the house battery charged.



The 240-volt outlets and appliances are protected by circuit breakers. This device is intended to protect you from electrical shock hazards when you are using the electrical appliances.

If you experience a power surge where the circuit breakers trip, locate the circuit breaker located under the floor in front of the back seats. Lift the floor by pulling up on the rings, switch back to the ON/UP position (picture shows the ON position)





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12-volt electrical system

The 12-volt electrical panel is located above the rear seats. To turn it on, press the power button



- | | |
|--|----------------------------------|
| 1. Indicates the level of fresh water | 5. Displays outside temperature |
| 2. Indicates the level of wastewater | 6. Output power |
| 3. Illuminates when connected to 240v | 7. Voltage of house battery |
| 4. Illuminates green when the water pump is on | 8. House battery state of charge |



- | | | |
|-----------------------|----------------------------|----------------|
| 1. Ceiling Light | 5. Night Mode (dims panel) | 9. TV |
| 2. Bedroom Light | 6. On Button | 10. Water Pump |
| 3. Shower Light & Fan | 7. Not in Use | |
| 4. Outside Light | 8. Heater Fan | |



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Microwave



The microwave in your vehicle will only operate via 240-volt power. This means that you must be plugged into an external power source.

Troubleshooting the Microwave

Problem: Microwave is inoperative and there is no display

Possible Cause: 240-volt power is not plugged into an outlet. Check that the vehicle is connected to mains power and that the powered outlet is in working order.

Problem: Microwave is operable (light on, turntable working) but it is not heating food

Possible Cause: Microwave may be broken. Please call the Star RV on-roads team for assistance

Problem: Sparks when the microwave is turned on

Possible cause: Metal object in the microwave



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Freshwater tank and water access

On board the vehicle is a freshwater system consisting of a water pump and freshwater tank.

The water tank has a 90L capacity and is located on the passenger side of the vehicle. This water is for the sink, shower and toilet flush.



To fill the freshwater tank:

1. Unlock the compartment that says "Fresh Water Only" with the small black key on your keyring
2. Remove the cap from the water inlet
3. Place the end of the water hose into the tank and connect the hose to the tap to fill the vehicle with fresh water.

Note: Do not use too much pressure as the tank must be vented when filling. In the event of an air bubble, simply remove the hose, reinsert and fill slowly again.

The tank is full when the water starts to overflow from the water inlet.



You can check the level of your water on the 12-volt switchboard as seen below. This is the 2nd tank level on the control panel.



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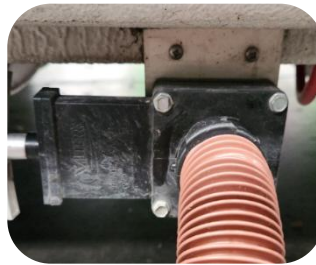
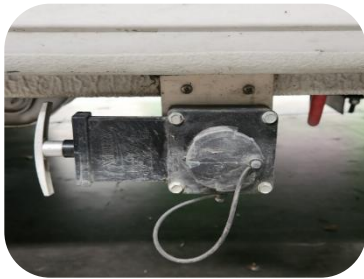
Greywater Tank

The greywater holding tank collects wastewater from the kitchen, bathroom sink and shower. You can see the level of your water on the 12-volt switchboard as seen in the picture.

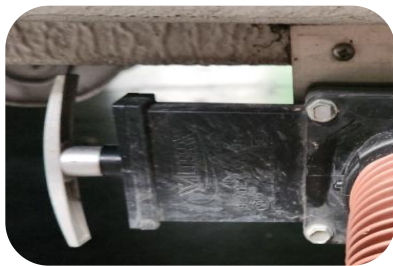
Is it not uncommon for the greywater level indicator to give an inaccurate reading. It may show 100% even if it is empty. We recommend emptying your greywater tank as regularly as possible.

To empty the greywater tank:

1. Collect the greywater hose from the storage compartment.
2. Connect the hose to the outlet. Make sure it is firmly attached by twisting the pipe and locking into place



3. Place the other end of the hose into a dump station disposal opening.
4. Open the tank by pulling out the silver handle and wait for it to empty



5. Once the greywater is empty, close the lever and remove the hose and stow it away in the storage compartment.

Should the grey water tank become obstructed during your journey, we recommend inserting a hose into the grey water outlet as far as it reaches. Turn on the hose to its highest pressure setting and direct the flow of water into the tank until it reaches full capacity. Once achieved, withdraw the hose, facilitating the flow of grey water. If needed, repeat this process until the obstruction clears.



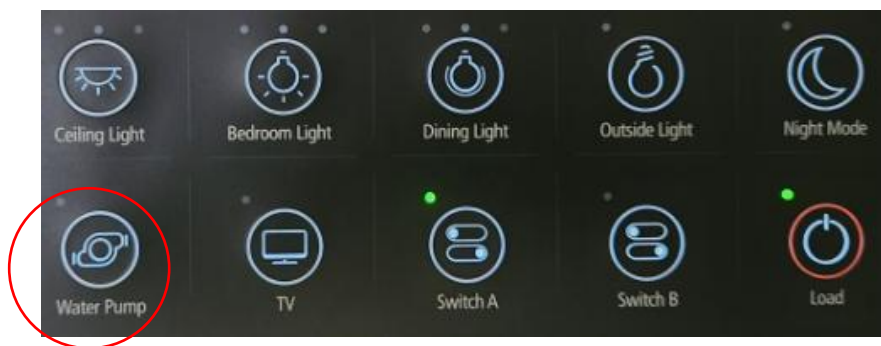
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Water Pump

To use water on board the vehicle, ensure there is water in your freshwater tank outside. On the switchboard, press the water pump symbol once. You will hear the pump quietly start up.

The pump operates as part of the 12-volt system. When you are not using the water pump, ensure it is turned off.

You must have this button on to operate the kitchen tap, shower and toilet flush.



Please note: Avoid running the pump when the water tank is empty. Operating the pump continuously with no water can cause damage.

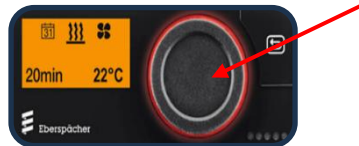
Caution: Do not drink the water from the tap unless it's boiled first.



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Hot Water

The hot water and heater operate off the Domestic battery and the diesel fuel from the vehicles fuel tank. To turn on, press and hold the operating button.



Scroll using the operating button, turning it clockwise until the heat symbol flashes. Then press the operating button.



Choose the desired running time between 30mins – 720 mins, or for constant operation, scroll to this symbol 



Press the operating button to confirm. A red ring should appear around the operating button which means it is running in heat mode.



Hot water and heat will start flowing in 10-15 minutes

Tip: A long press (3 seconds) of the operating button (when it has been off) will automatically turn on the heater, using the last timer settings.

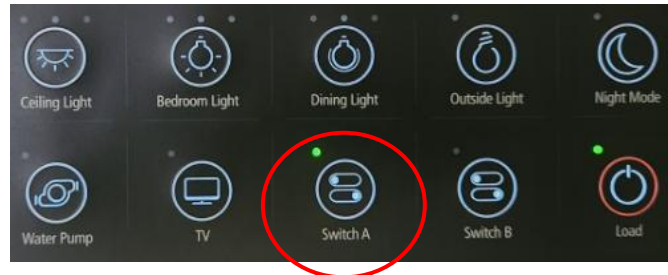
To **turn off**, press and hold down the operating button for 3 seconds.



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Heater

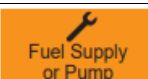
Follow the steps (above) for hot water use, then turn on the heater fan button (Switch A) on the domestic control panel



Turn the switch up for high-speed fan and down for low-speed fan. Heater is located at the bottom of the back seats.



Trouble Shooting

Display	Description	Remedy
 Service	There is a fault in the heater that can only be remedied by a specialist workshop.	Call StarRV Helpline
 Undervoltage	Undervoltage applied at the heater control box without interruption for at least 20 seconds	Check battery for a drop in voltage. Charge the battery
 Fuel Supply or Pump	Fault in the fuel supply or fuel pump.	Call StarRV Helpline



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Toilet Use

To Add water



The toilet is designed to pump water in the bowl once you open the bottom of the toilet. If you need to fill the bowl with water before flushing:

1. Turn on the water pump on the 12-volt control panel
2. Open up the toilet by pulling the grey lever. Push the water drop button on the toilet to fill the base with water to the desired level.

To Flush



1. Once finished, push the lever across on the bottom of the toilet to empty into cassette
2. When you open the latch, the toilet will automatically flush down some water



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Toilet Cassette

It is highly recommended to regularly empty the toilet cassette, and it is mandatory to empty and clean it before returning the vehicle to the depot.

To empty the cassette:

1. Make sure you are disposing at an appropriate facility which has this symbol displayed



2. Ensure the top of the cassette lid is closed, lift the yellow lever to remove the entire cassette from the vehicle



3. Pull out this pipe and unscrew the cap



4. Tip the waste down into the dump station. Press this button to allow air to escape.





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Shower



To operate the shower, please follow the steps below:

1. Activate the Hot water heating system.
2. Turn on the water pump by pressing the WATER PUMP button on the control panel.
3. Pull the shower handle towards you to turn the water on
4. Adjust for hot or cold water by turning the handle. Left to **H** for hot or right to **C** for cold.

The vent in the shower serves as a means to expel excess moisture and odors from the vehicle. To open the vent, simply twist the handle anticlockwise. Additionally, the vent is equipped with a fan that can be activated by pressing the small black button. This fan helps to further circulate air circulation and ventilation in the shower/ bathroom area, ensuring a comfortable and fresh environment inside the vehicle.



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Gas Bottle



The gas bottle is located at the back of the vehicle, under the bed. There is a cupboard marked L.P. Gas Storage.

IMPORTANT: Never drive with the gas bottle in the 'open' position.

To open the gas bottle, rotate the valve fully in an anticlockwise direction. To close the gas bottle, turn the valve on top of the gas bottle clockwise until it's securely tightened.

If you detect the **smell of gas**:

1. Extinguish all open flames and smoking materials
2. Refrain from touching any electrical switches
3. Shut off the gas supply using the valve on top of the gas bottle
4. Open doors, windows, hatches and any other ventilation openings.
5. Evacuate the area until the gas odour dissipates
6. Contact Star RV for assistance



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Stove Top

Warning: It is not safe to use cooking appliances for comfort heating.

The gas burners in the vehicle operate via gas. The basic functionality resembles that of a gas stove commonly found in households. However, it's crucial to note that the vehicles confined space limits the amount of oxygen available. Therefore, it's imperative to ensure there is adequate ventilation whenever using the stove.

When the stove is in use, ensure that the area is well vented by opening a window or roof vent.

How to operate the stove:

To ignite the stove in the vehicle, follow these steps:

1. Locate the gas bottle at the back and fully turn the valve on top of the gas bottle to the 'open' position.
2. Press in, hold down and turn the burner knob to the highest heat level



3. While continuing to hold in the burner knob, press the ignition switch until the gas ignites. Maintain pressure on the burner knob.



4. Wait approximately 5 seconds before slowly releasing the burner knob.

Please note: If the flame extinguishes, the burner knob may have been released too soon. Repeat steps two to four and try again.

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Tap & Sink

The vehicle comes equipped with a hot and cold water tap, the water pump must be turned on to use the tap.

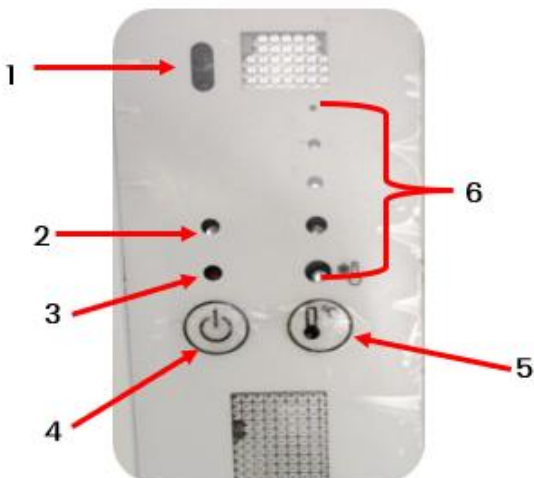




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Fridge

The fridge in your vehicle operates via the 12-volt & 240-volt systems. To operate the fridge, follow the steps below:



1. IR Sensor for interior light	4. On/off
2. LED Blue: compressor is running LED Orange: compressor is off	5. Temperature display
3. LED Service display	6. Temperature levels

1. Open the fridge and access the control panel (left side). Hold down the power button (4) for 3 seconds. The fridge will start up and the light will come on. The compressor will start within a few seconds.
2. You can adjust the temperature by pressing the temperature icon (5). Optimum temperature setting is when there are 3 dots illuminated (6)

If an error occurs, the LED service display (3) will flash in sequence. Each sequence relates to a different error:

No of Flashes	Fault	Possible Cause	Remedy
1	Low Voltage	Battery could be low	Charge battery
2	Excessive Fan	Too much load on fan	
3	Motor doesn't start	Rotor is jammed	Call helpline
4	Speed too low	Cooling system overloaded	Turn off for 5 minutes
5	Overheating	Cooling system is heavily loaded	Turn off for 5 minutes



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Lights

To operate the cabin lights, turn on the 12-volt control panel by pressing the power button on all 3 sections:



There is also a button on the individual lights which will turn them on/off.



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Dining Table

To remove the dining table, click the buttons on the edge of the table so they are raised.



When you put the table back, push the buttons down to secure it in place.





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Swivel Chairs

The passenger and driver seats are designed to swivel around for your convenience, allowing you to easily transition to the dining table area. To swivel the chair around, find the lever located on the side of the chair and pull it towards you. The chair should then spin around.





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Power Points

The vehicle is equipped with two power points located above the kitchen bench. These will only work when the vehicle is plugged into 240-volt mains power.



The vehicle is equipped with two USB charger ports as well as an auxiliary power outlet located to the side of the bottom bed. These will work when the vehicle is plugged in and when the 12-volt control panel is turned on.



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Bed

The vehicle is equipped with one double bed





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Entrance Step

The vehicle is equipped with a convenient entrance step located on the passenger side sliding door, enhancing ease of entry for passengers.

To extend the entrance step:

1. Push the step and release the lever underneath the step
2. Gently pull the step outward until it locks into place



3. Ensure it is fully extended and stable before use



To retract the step:

1. Push the lever and the step back to its original position until it locks securely.

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Storage

The vehicle has a dedicated storage area under the bunk beds, above the front seats as well as various drawers & cupboards throughout the vehicle to store personal items.





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Internal Blinds

To secure the internal thermal blind to the front windscreen and two side windows of the vehicle, follow these steps using the suction cups:

1. Retrieve the internal thermal blind from the storage compartment located above the front cabin of the vehicle.
2. Unfold the thermal blind and position it against the front windscreen, ensuring it covers the entire surface area
3. Attach the suction cups to the designated points on the thermal blinds. These points are usually along the edges of the blind.
4. Press firmly on each suction cup to ensure a secure attachment to the windscreen. Make sure there are no air gaps between the suction cup and the glass surface
5. Repeat the same process for attaching the thermal blind to the two side windows of the vehicle using the remaining suction cups.
6. Once all suction cups are securely attached, adjust the position of the thermal blind as needed to ensure proper coverage and fit.
7. When not in use, carefully remove the suction cups from the glass surfaces and fold the thermal blind for storage in the designated compartment.





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Awning



To roll out the awning:

1. Using the awning handle, roll the awning.



2. Unfold both awning arms by twisting them down.



3. Twist the button anticlockwise and pull down to secure the awning legs

4. Secure the awning using the provided tent pegs to anchor the feet into the ground, or by securing to the foot clips located on the side of the motorhome.



Awning Winder is located at the back, alongside the bed frame

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Diesel Fuel

The vehicle accepts diesel fuel only. DO NOT refill the motorhome with any other fuel or fluid. The diesel tank cap is marked with DIESEL on it and is unlocked using the vehicle diesel key.

The fuel filling cap is located next to the passenger door.

Simply open then lid using our hands, then use the diesel key to unlock. Turn the key anticlockwise to unlock the cap.

Once filled with diesel, place the fuel cap on the inlet and turn the key clockwise to lock it.

IMPORTANT: The vehicle accepts diesel fuel only. If you fill the vehicle with unleaded, water or AdBlue please do not start the engine. Call Star RV Roadside Assistance immediately.





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AdBlue

Every 2.500km the vehicle will require AdBlue to be refilled.

If the AdBlue level is low, a warning light or symbol illuminates on the dashboard and a message advises you to top up the AdBlue tank.

Please find the nearest fuel station or auto shop which supplies AdBlue and refill the vehicle with AdBlue as soon as possible. Failure to refill the AdBlue tank will result in the vehicle going into limp mode.

The AdBlue filler cap is below the diesel filler cap.

Please note: AdBlue is NOT a diesel fuel additive. DO NOT add or mix with diesel under any circumstances.





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Jack & Spare Tyre

The tools can be found under the front passenger seat. To access them, pull the compartment out from beneath the seat.

Next, push the front tab in and lift the upper shell off, as shown in the image below



The spare tyre is located at the back of the vehicle, underneath the motorhome. To access it, use the release mechanism to lower the tyre.

Ensure you follow all safety instructions when handling the spare tyre and use the proper tools to secure it when finished.

