

Australia
Self-contained

Polaris 2 Gen 1



Vehicle manual.



Polaris 2 vehicle **MANUAL**

Contents

Description of keys.....	04
Vehicle equipment.....	05
Starting the vehicle	06
Baby seat installation	07
Windows & vents	08
240-volt electrical system	09
12-volt electrical system	10
Microwave.....	11
Freshwater tank & water access	12
Greywater tank	13
Water pump	14
Hot water heater	15
Toilet use	16
Toilet cassette.....	17
Shower.....	18
Gas bottle	19
Stovetop	20
Tap & sink	21
Heater & air conditioner	22
Fridge	23
Lights.....	24
Dining table	25
Swivel chairs.....	26
Power points	27
Bed	28
Entrance step.....	29
Storage.....	30
Internal blinds.....	31
Diesel fuel	32
AdBlue.....	33



01. Description of keys



IGNITION KEY:

Use for

1. Start your vehicle.
2. Unlock/ lock diesel tank cap.



FRESH WATER KEY:

Use for

1. Unlock/ lock freshwater compartment.



COMPARTMENT KEY:

1. Unlock/ lock toilet cassette compartment.
2. Unlock/ lock LPG gas compartment.



02. 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 lever firmly. Guide the nozzle from side to side to cover the entire width of the base of the flames.

*Fire extinguisher is attached to the interior of the vehicle



SMOKE ALARM

Each vehicle is furnished with a smoke alarm, serving as a crucial element for your safety and security. This alarm is energized 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.



03. Starting the vehicle

Gear stick must be in PARK and your foot on the pedal in order for the vehicle to start.



Gear stick in parking mode



The dashboard will display a 'P' indicating that 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 that 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.



NOTE –

The handbrake is on the right-hand side of the steering wheel. Do not forget to disengage the handbrake before you drive.



04. 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. 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.



05. Windows & vents

Windows

To open the windows on board your vehicle, turn the handles inwards. Push the window out and click the latch in place. The window has a mosquito net and a sun blackout blind. These can be used separately. To use the mosquito net, pull the white blind down using the handle indents. To use the sun blackout blind, pull the blind up using the handle indents.



Vents

To open the vents, grab the rail, twist and pull it towards yourself. The vent has a mosquito net and a sun blackout blind. To use the mosquito net, pull the blind towards yourself using the handle indents. To use the sun blackout blind, pull the blind away from yourself using the handle indents.



To use the mosquito net, pull the white blind down using the handle indents. To use the sun blackout blind, pull the blind up using the handle indents.



06.240-volt electrical system



To run the microwave, power points, air conditioner and to recharge the house battery, connect the vehicles 15AMP electrical cord to a 240-volt external power source. The above items will only work when plugged into power. It is recommended that the vehicle is plugged into power every 2nd night to keep the house battery charged.



The 240-volt outlets and appliances are protected by two circuit breakers. This device is intended to protect you from electrical shock hazard when you are using the electrical appliances. If you experience a power surge where the circuit breakers trip, locate the circuit breakers on the outside of the vehicle and switch them back to the ON/UP position. The circuit breakers are located next to the power outlet.

Overloading the 240-volt system will cause the circuit breakers to turn off. This can happen when using multiple 240-volt items at once.



07.12-volt electrical system

Your vehicle has two batteries. One in the engine compartment and one in the rear of the cabin. The battery inside the cabin is also called your domestic battery. The engine compartment battery is located under the passengers die cabin floor, in the main driver's cabin.

The domestic battery operates the water pump, fridge, cooktop & interior lights. The domestic battery is charged by the alternator when the vehicle is being driven and the 240-volt system when it is plugged into mains power source.

The 12-volt electrical panel is located above the sliding door on the wall. To turn it on, press the load button twice. You will see a small LOAD "on" appear on the screen.



This panel operates the water pump and light and must be turned on at all times to operate any device on the 12-volt system.

Please Note: The vehicle is fitted with a kill switch located next to the control panel. If your 12-volt does not work, please flick the kill switch up.



helphub.starv.com



helphub.jucy.com

08. Microwave

The microwave in your vehicle will only operate via 240-volt power. This means that you need to 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 in to 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 is not heating food.

Possible Cause: Microwave may be broken. Please call Star RV Roadside Assistance.

Problem: Sparks when microwave is turned on.

Possible Cause: Metal object in microwave.



09. Fresh water tank and water access



On board the vehicle is a freshwater system consisting of a water pump and freshwater tank. The water tank has an 80L freshwater tank and is located on the passenger side of the vehicle. This water is for the sink, shower and toilet flush.

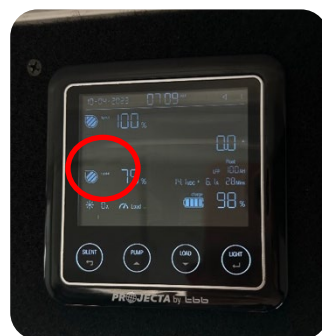
To fill the freshwater tank:

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 it 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.





10. Grey water tank

The grey water holding tank collects wastewater from the kitchen, bathroom sink and shower. You can check the level of your water on the 12-volt switchboard as seen below. This is the 1st tank level on the control panel.



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

To empty the greywater tank:

1. Collect the grey water hose from the storage compartment.
2. Connect the hose to the outlet. Make sure it is firmly attached by pulling down the silver levers on each side of the attachment.



3. Place the other end of the hose into the dump station disposal opening.
4. Open the tank by turning the blue lever so it is parallel with the pipe and wait for it to empty.
5. Once the grey water is empty, close the lever & remove the hose and stow 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 is cleared.



helphub.starv
com



helphub.jucy.com

11. Water pump

To use water on board the vehicle, ensure there is water in your freshwater tank outside. On the switchboard, press the 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 the toilet flush.

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



helphub.starv.com



helphub.jucy.com

12. Hot water heater

The switch to activate the gas-operated water heater system is situated above the kitchen sink.

To operate the water heater in your vehicle, please follow the below steps:

Step 1: Turn the gas bottle, located in the rear doors under the bed, to the 'on' position, ensuring the valve is fully opened. Twist the valve on the gas bottle counterclockwise to open and clockwise to close. Note: The system will not function if there's insufficient gas in the bottle.

Step 2: Activate the water pump switch on the 12-volt switchboard.

Step 3: Adjust the 'Boiler' switch upwards to the 60-degree mark.



Step 4: Observe a brief flash of a red light on the 'Boiler' switch, which should then extinguish, indicating the system's operation. Should the red light persist, signaling that the burner has not ignited, cease all operations, reset the switch to the neutral 'O' position, and retry. You may attempt this up to three times. If ignition is not achieved by the third attempt, allow the system to rest for 10-15 minutes before retrying.

If the red light is not continuously illuminated, the system will proceed to heat water for your shower and sink. It typically takes around 20-25 minutes for the water to reach the desired temperature.

Please note: Your motorhome is additionally outfitted with a 240-volt hot water system. When connected to mains power, this system will automatically activate and commence heating the water. If the water has already been heated via the 240-volt mains power, the gas operation for the hot water will be inactive.



helphub.starv.com



helphub.jucy.com

13. Toilet use

1. Turn on the water pump on the 12-volt control panel.



Diagram A

2. Push the blue button on the toilet to fill the base with water (Diagram A)



Diagram B

3. Once finished, adjust the lever on the bottom of the toilet to empty into cassette (Diagram B)



Diagram C

4. Ensure the lever is in the closed position after use (Diagram C)



helphub.starv.com



helphub.jucy.com

14. 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, lift the blue lever and remove the entire cassette from the vehicle.

Should the cassette become jammed, refrain from applying excessive force. Instead, ensure that the toilet cavity inside the vehicle is securely closed. Once the cassette is removed from the vehicle, rotate the pour-out spout, and unscrew the cap. Dispose of the waste at a designated black water dump point.

After emptying the toilet cassette, rinse it thoroughly and repeat the emptying process. Then, add a toilet chemical along with half to a litre of water.

Please Note: It is crucial for the cassette to click back into position to align with the toilet above.





helphub.starv.com



helphub.jucy.com

15. Shower



To operate the shower, please follow the below steps:

1. Activate the gas-operated water heater system (as shown above).
2. Turn on the water pump by pressing the 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 odours from the vehicle. To open the vent, simply twist the handle anti-clockwise. 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.



helphub.starv.com



helphub.jucy.com

16. Gas bottle



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

IMPORTANT: Never drive with the gas bottle turned to 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 at the gas bottle using the valve on top of the 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.



helphub.starv.com



helphub.jucy.com

17. 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 rangehood is turned on. There are 4 buttons on the rangehood. From right to left:

1. Power button
2. Fan low button
3. Fan high button
4. Light on/ off button



IMPORTANT: The stove will not work unless the rangehood is turned on.

How to operate the stove:

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

1. Locate the gas bottle on the exterior of the van 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 your desired heat level.
3. While continuing to push in the burner knob, press the igniter switch until the gas ignites. Maintain pressure on the burner knob.
4. Wait approximately 15 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.



helphub.startrv.com



helphub.jucy.com

18. Tap & sink

The vehicle comes equipped with a water filtration system. The handle on the back of the tap dispenses filtered water, while the handle on the front provides water directly from the freshwater tank.





helphub.starv.com



helphub.jucy.com

19. Heater & air conditioner



The vehicle is equipped with a reverse cycle air conditioner. This will generate both hot and cold air to suit your needs. The air conditioner only works when plugged into 240-volt power.

Operating the Air conditioner:



1. Plug the vehicle into 240-volt mains power.
2. Turn on the unit by pressing the red power button on the remote control.
3. Select the mode.
4. Adjust the temperature using either the up arrow button (for higher) or down arrow button (for lower).

IMPORTANT: Always ensure to turn off the air conditioner unit using the remote before disconnecting the vehicle from the 240-volt mains power.

Using the Air Conditioner in Humid and Hot Conditions:

When utilizing the air conditioner in humid climates, it's essential to take extra precautions to ensure optimal performance and minimize potential issues.

- If leaving the vehicle unattended for an extended period, keep curtains/blinds closed to maintain a cooler internal temperature.
- Before activating the air conditioner, ventilate the interior by opening doors and windows to expel warm air from the motorhome, thus reducing the internal temperature.
- Once the internal temperature has sufficiently decreased, close all windows and external doors before switching on the air conditioner.
- Adjust the temperature to 23 degrees Celsius while ensuring the fan operates at maximum speed. Avoid setting the temperature below this level.
- By adhering to these guidelines, you can reduce the risk of condensation, which may lead to water overflow within the motorhome.

Please Note: During periods of high temperature, air conditioners may experience fluctuations in power due to voltage drops from the 240-volt power source. This can result in blown internal fuses, causing the air conditioner to malfunction.

Using the Air Conditioner in Cold Conditions:

- The air conditioning units may cease functioning when temperatures drop below 4 degrees Celsius.
- If this occurs, wait for the temperature to rise before attempting to use the air conditioner again.



helphub.starv.com



helphub.jucy.com

20. Fridge

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

1. Press the load button on the control panel twice. You will see a small LOAD "on" appear on the screen.
2. Check that the light is on in the fridge – this will indicate the fridge is on and working.
3. The thermostat can be found behind the drawer at the bottom of the fridge. The optimal range for the fridge is halfway between the minimum and maximum temperature settings.





helphub.starv.com



helphub.jucy.com

21. Lights



To operate the cabin lights, turn on the 12-volt control panel by pressing the load button twice. You will see a small LOAD "on" appear on the screen.

There are 3 sets of light switches, one in the kitchen (Diagram 1), one in the bed area (Diagram 2) and one in the dining area (Diagram 3).

These operate the 2 lights above the bed, 1 light in the bathroom, 1 light in the dining area and 3 lights in the kitchen.

Clicking the OFF button on the interior light switch will turn all lights off in the vehicle.



Diagram 1



Diagram 2



Diagram 3



There are 3 lamp lights that are equipped with a USB port located in the vehicle. 1 in the dining area and 2 in the bed area.

To turn these on, press the circle button lightly.



helphub.starv.com



helphub.jucy.com

23. Dining table

To remove or adjust the dining table, click the buttons on the edge of the table so they are sticking up (Diagram 1). To ensure the table is in place, push the buttons down (Diagram 2).



Diagram 1



Diagram 2



helphub.starv.com



helphub.jucy.com

24. 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, pull the lever on the side of the chair (as seen below) towards you and spin the chair around.





helphub.starv
com



helphub.jucy.com

25. Power points

The vehicle is equipped with two power points located in the kitchen and 1 power point located under the dining table. These will only work when the vehicle is plugged into 240-volt mains power.

The vehicle is equipped with 2 USB charger ports as well as an auxiliary power outlet located under the dining table. These will work when the vehicle is plugged in and when the 12-volt control panel is turned on.



helphub.startrv.com



helphub.jucy.com

26. Bed

The vehicle is equipped with one double bed.





helphub.starv.com



helphub.jucy.com

27. Entrance step

The vehicle is equipped with a convenient entrance step located on the passenger side sliding door, enhancing ease of entry for passengers. The button to extend and retract the step is located on the side of the kitchen cupboard. To extend the entrance step, push the up arrow on the button. To retract the entrance step, push the down arrow on the button.



Please Note: When the vehicle is turned on and shifted into drive, the steps will retract automatically.



helphub.starrv.com



helphub.jucy.com

28.Storage



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



helphub.starv.com



helphub.jucy.com

29. 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 that it covers the entire surface area.
3. Attach the suction cups to the designated points on the thermal blind. These points are usually located 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.





helphub.starv.com



helphub.jucy.com

30. 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 location is located next to the passenger door. Simply open the lid using your 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 petrol, water or AdBlue, please do not start the engine and call STAR RV Roadside Assistance immediately.



helphub.starv.com



helphub.jucy.com

31. AdBlue

Every 2500 km 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.



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