

New Zealand – Self Contained

Polaris 6 Gen 1

Mercedes





P6 Mercedes vehicleMANUAL

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Description of Keys



IGNITION KEY:

Turn the key in the ignition barrel and release once the engine starts.



SIDE ENTRY DOOR:

Use this key to lock or unlock the vehicle's side entry door lock.



TOILET CASSETTE COMPARTMENT:

Use this key with the THETFORD engraving to lock or unlock the vehicle's toilet cassette compartment.



EXTERNAL STORAGE COMPARTMENTS:

Use this key to lock or unlock the vehicle's external storage compartments.

Please note: This key applies to the LP Gas compartment on the rear driver's side, the storage compartment on the rear passenger's side, and small storage compartment beside the driver's cabin door.



WATER TANK:

Use the small round silver key to lock or unlock the vehicle's freshwater filling point.



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Vehicle Equipment



FIRE EXTINGUISHER

Each vehicle is equipped with a dry chemical fire extinguisher, 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 at the top of the bottle, direct the nozzle towards the base 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.

* A fire extinguisher is attached to the interior of the vehicle, behind the back seats



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 always connected for your safety.**

GAS ALARM



Each vehicle has a 'harmful gas' alarm located behind the rear cabin seats. In the event there is high levels of harmful gas, the alarm will beep, and a red light will indicate.

When this happens, open all windows and move to fresh air.



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Starting the Vehicle

Gear stick in parking mode



The 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 key provided.

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 pulling up slightly with the button held. The hand brake will start to move down.

To engage the handbrake, pull the button towards you. A white light will appear.



CAUTION – Handbrake is on the left, beside the driver's seat. Do not forget to disengage the hand brake before you drive.

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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, pull the blind up using the handle indents

VENT

Stand facing the driver's cabin.

Grip the middle handle and twist so the hooks move out of the lock. Then push towards the driver's cabin until it stops.

To close the vent, twist and pull until it closes completely.

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Entry Door



The entrance door may be opened from outside the vehicle by pulling the door handle outward.

To open the door from the inside, pull the door handle downwards and apply slight pressure to the door. When the door is locked, neither the inside nor outside door handle can be operated.

To lock the entry door from the outside, turn the key anticlockwise towards the lock symbol on your entry door lock. To unlock the entry door, turn the key clockwise towards the unlock symbol on your entry door lock.



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Outdoor Step



Your motorhome is equipped with a manual side doorstep.

To use, simply grip the middle of the step and pull out until it locks into place.

To close, push it towards the cabin until it clicks back into place.



Please note: Do NOT leave the step out while driving as this may cause damage to the cabin exterior, plus the step or surrounding objects.



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Seat Belts



It is the law in New Zealand that all passengers in a motorhome must be properly restrained with seatbelts. Vehicles are equipped with both lap and shoulder belts.

Only seats fitted with seatbelts can be occupied while the vehicle is moving.

To use, insert the belt tongue into the correct buckle until you feel it click and latch.

The two anchor points for baby seats are located behind the large back squab.

There is no Isofix available.

Please note: The table must always be removed while passengers are sitting at the dinette seats while in transit.



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40-Volt electrical system



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

It is recommended that every second night, the vehicle is charged at a power outlet to keep batteries charged.

You will know that the 240-volt is working by the microwave turning on and displaying a clock.



The motorhome connects to powered outlets at caravan parks.

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

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

Troubleshooting: If you are having trouble with the 240-volt not working:

- Check the 240-volt cord is connected to the power site and motorhome properly
- Make sure the circuit breakers on both the power site and motorhome haven't tripped
- If the above options are correct, try to change the 240-volt cord (can usually hire from a campsite) or try an alternative power site.
- If none of the above work, please call the Star RV helpline



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12-volt electrical system

Your motorhome has two batteries, one in the engine compartment and one under the passenger's seat. The battery inside the cabin is also called the auxiliary battery.

The auxiliary battery operates the TV, water pump, fridge and interior lights, extractor fan and toilet. It is charged by both the alternator when the vehicle is being driven and the 240-volt system when it is plugged into a mains power source.

The 12-volt electrical panel is located on the side, just above the domestic switches, and the digital gauge displays the voltage as a blue number.

The more appliances you use, the faster the power will drain from the battery.





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Microwave



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

When you are using the microwaves, please be aware that there are certain materials that must not be put in the microwave.

NOT Recommended

- Paper bags are a fire hazard – except the obvious like popcorn bags which are designed to be microwaved.
- Aluminium foil
- Never use dishes with metal rims
- Plastic containers – can melt
- Wire ties from bread and metal utensils
- Styrofoam plates and cups – can melt
- Glass jars – can shatter

Recommended

- Microwave approved glass, ceramic plates and bowls
- Microwave browning dishes
- Microwave plastic wrap, wax paper, paper towel and napkins
- Paper plates and cups

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



Onboard the vehicle is a freshwater system consisting of a water pump and freshwater tank. The water tank has a 120L capacity and is located on the passenger side of the vehicle. This water is for the sink, shower and toilet flush.

Your motorhome comes with a freshwater hose, used to fill up the tank. When the tank is full, the water will overflow out of the water inlet.

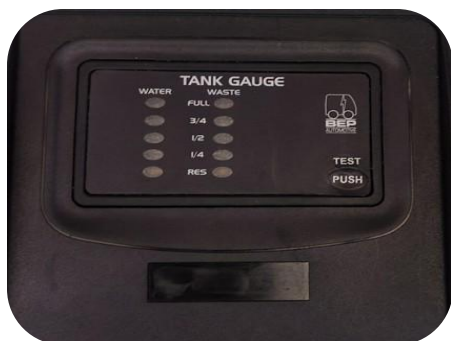
Please note: you can check the level of your water on the domestic switchboard by pressing the test button. The green light will indicate how full the water is.





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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 Domestic panel switchboard. This is labelled 'waste'

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 pulling down the silver levers on each side of the attachment.
3. Place the other end of the hose into a dump station disposal opening.
4. Open the tank by turning the red lever towards you so it is parallel with the pipe 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





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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, push the PUMP switch down. You will hear the pump quietly start.

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 heater

To operate the water heater in your vehicle:

1. Turn the gas bottle valve on (located in the side panel on the driver's side). Twist anti clockwise to open and clockwise to close
2. Turn on the 'water heater' switch.



Gas Operation: Operate the left-hand switch to the 'On' position. There will be a pre-purge pause of approx. 20 seconds to allow any unburnt gas to leave the flue. A green LED will light upon successful flame

ignition. If there is air in the gas supply line, it may take a few attempts for the gas to ignite. See Section 9 for gas lockout re-setting. If the ignition is not satisfactory, the red LED will flash – refer to the Trouble Shooting Guide below

Electric Operation. The Water Heater is equipped with twin 750W / 230V a.c. immersion heater elements

offering operation at 750W or 1500W. Operate the right-hand rocker switch to the top position (~) to turn on one electric element. To turn on both electric elements, operate the right-hand rocker switch to the bottom position.

Note: The electric elements will still operate if the appliance is in gas ignition lock-out.



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Gas and Electric Operation: For faster water heating, the appliance can be operated with both gas and electric simultaneously. Select 'Gas On' (left-hand rocker switch) and one of the electric settings (right-hand rocker switch).

Switching The Appliance Off. Operate the left-hand gas switch to the centre 'Off' position (O) and the right-hand electric rocker switch to the centre 'Off' position (O).

Troubleshooting

In the unlikely event of a failure, the red LED (diagnostic LED) on the Control Panel will flash a number of times, pause, and repeat until switched off. Count the number of flashes and refer to the table below.

Number of Flashes	Fault	Remedy
1	No Flame Detected	Check gas supply making sure there is gas in the bottle and no blockage in the gas line. Ensure that propane gas is used at temperatures below +5°C. Clear lockout as described below.
2	Overheat	Check that there is water in the appliance. Whale recommends that you wait at least 5 to 10 minutes to allow the Water Heater to cool before clearing lockout as described below.
3	Low/high Supply Voltage	Minimum operating voltage is 10V, maximum is 15V d, when measured at the Water Heater. Check battery voltage. If between 10V and 15V check connections between Water Heater and battery. Check alternator or external battery charging. Clear lockout as described below.
5	Other/Internal fault	Attempt to clear lockout as described below. If this fails, needs to go to workshop or branch
Solid	General Fault	Two faults have occurred at the same time OR at least five or more lockout clearing attempts have been unsuccessful. Clear lockout by pressing the red Reset Button on the Water Heater as described below.

If the Water Heater lockout condition has been identified by **1, 3 or 5 flashes**, the lockout must be cleared by pressing the RED reset button on the bottom of the water tank for 10 seconds.





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Toilet Use



1. Turn on the water pump on the control panel

2. Push the blue button on the toilet to fill the base with water.



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



4. Ensure the lever is in the closed position after use



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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

Make sure the grey flush lever on the toilet is in the closed position. Lift the blue lever and remove the entire cassette from the vehicle.

Head to the dump station and unscrew the blue lid on the toilet cassette



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

Insert the cassette back into the locker

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



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Gas Bottle



The gas bottle is located on the exterior of the vehicle in a locker 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.

Gas bottles can either be filled at Gas stations that sell LPG or Swapped for a full bottle.

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.



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Stove Top & Grill

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



How it operates

The motorhome is equipped with 1 electric ring, 2 gas hobs and a gas oven which used LPG. The basic operation is the same as a gas oven in a house however, the amount of oxygen in a motorhome is limited due to its size therefore always have sufficient ventilation when using this appliance.

Using the Stove Top

1. The stove top in the motorhome has an igniter switch. Before using the igniter, make sure the domestic switch labeled 'STOVE IGN' is on.
2. Locate the gas bottle on the outside of the van and turn the valve on top of the gas bottle fully to the 'open' position.
3. The glass lid must be fully upright. If your lid is partially open, the burners will not work
4. Push in, hold down and turn the burner knob to your desired heat level
5. Whilst the burner knob is still pushed in, press the igniter switch until the gas lights. Keep holding the burner knob in.
6. 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. Start from step 3 and try again.

To operate the electric hob, make sure you are plugged into a powered campsite and that the hob switch is on, next to the stove.

If using a match

Danger: Misuse of the gas stove can result in fire and explosion in a motorhome/campervan just as it can in a kitchen. Use extreme caution when lighting the stovetop burners with a match. To prevent too much unburned gas from accumulating, first light the match, hold it next to the burner then open the burner valve.

If the stove does not ignite there may be insufficient power in the battery to provide a spark. You must connect to mains power or alternatively, use a match to light the stove.

Please note: the stove top lid must be in a fully upright position for the hotplate and grill to ignite.



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Heater



To operate the heater, make sure you have sufficient charge of the domestic battery.

Make sure the gas bottle is on and has adequate gas level.

Rotate the top dial clockwise to the flame icon. You might hear a small “whoosh” as the gas ignites. The fan will start to blow air in about 30 seconds; heat should start flowing after 90-120 seconds.

Adjust the bottom digital setting to suit your comfort, and the heater will cycle on and off to maintain the set temperature.

Trouble shooting

In the unlikely event of a failure, the red LED (diagnostic LED) on the Control Panel will flash a number of times, pause, and repeat until switched off. Count the number of flashes and refer to the table below.



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5	Other/Internal fault	Attempt to clear lockout as described below. If this fails, needs to go to workshop or branch
Solid	General Fault	Two faults have occurred at the same time OR at least five or more lockout clearing attempts have been unsuccessful. Clear lockout by pressing the red Reset Button on the Water Heater as described below.



- 1- To reset the heater, turn the dial to the gas flame
- 2- Now switch the heater off and on two times slowly (first on the fan, then off, then back to the fan, then to the gas flame, and repeat this step one more time)
- 3- The heater should start working again, and the green light should turn on
- 4- You can try the reset up to three times. If the heater doesn't work after the fourth reset attempt, please call our help line.



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Fridge



The fridge is operated on the domestic battery and 240-volt hook up. Make sure the domestic switch is on. Once you plug into a powered campsite, the fridge will automatically switch to 240-volt.

To adjust the temperature, turn the dial toward the **maximum setting** to make the fridge colder, or toward the **minimum setting** for a warmer temperature.

Please note: The colder the setting, the more power the fridge will consume. For best performance and energy efficiency, we recommend keeping the dial somewhere in the middle range.

Fault

Fridge not cold

Compressor makes short start attempts

Possible Cause

- No power supply
- low battery
- faulty fridge
- Bad power supply
- too low voltage or a voltage drop during start attempts,
- discharged batteries

Action

Check switch is on, and that the domestic battery has over 10v power
Charge batteries, run the engine or connect battery charger or plug into powered campsite

Please note: if above action fails, please call Star RV helpline

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Lights



To use the lights, turn on the light switch in the domestic control panel by holding the power button.

Some lights can be individually switched off. Switches are located on the lights themselves

Alternatively, you can control a section of lights using the light switches located by the cabin door and the bathroom door.

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Television

Each vehicle is fitted with a DVD/Television for your entertainment. The TV operates on both 12-volt and 240-volt mains power.

We highly recommend bringing your own DVDs to utilize with the built-in DVD player for uninterrupted entertainment.





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Bed Conversion

There are three double beds on board your motorhome. To make up each one, please follow these instructions:

BED 1 (middle dinette)

Step 1: Remove the tabletop from the wall by pushing the clips down. Fold the leg and store it behind the front passenger seat.



Step 2: Put aside the middle squab highlighted below



Step 3: Pull out the frames



Step 4: Place the tabletop between the seats, then put the middle squabs over the table. Position the long squab over the frames.





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BED 2 (rear dinette)

Step 1: Remove the tabletop from the table leg and store the table behind driver's seat, and the table leg in the cupboard by the cabin door.



Step 2: Place the squabs over the table



BED 3: Overhead bed

The overhead bed can be accessed using the ladder. The ladder must be connected in the gap provided.





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Awning

To roll out the awning:

1. Find the awning winder arm located in the rear storage unit



2. Place the silver knob on the end of the arm into the small insert on the left-hand side of the awning



3. Rotate the handle in a clockwise direction to open the awning (Please note that if the legs of the awning have not been locked in correctly, they may fall out when opening. Ensure nobody is standing directly under the awning when opening)
4. Once the awning is open, remove the awning winder arm by pushing upwards and turning the silver knob into a position where it can be removed
5. Release awning legs and twist to face the vehicle



6. Use the knob at the top of the awning leg to loosen then lengthen
7. Once the leg is lengthened, insert the silver piece into the rectangular white inserts located

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next to the freshwater tank and to the left of the side entrance door



To retract the awning:

1. Disengage the locking clips on both awning arms.
2. Turn the legs clockwise and secure back into place (ensure the leg is straight and not loose before rolling up)
3. Use the awning winding arm in an anti-clockwise direction until the awning has fully retracted



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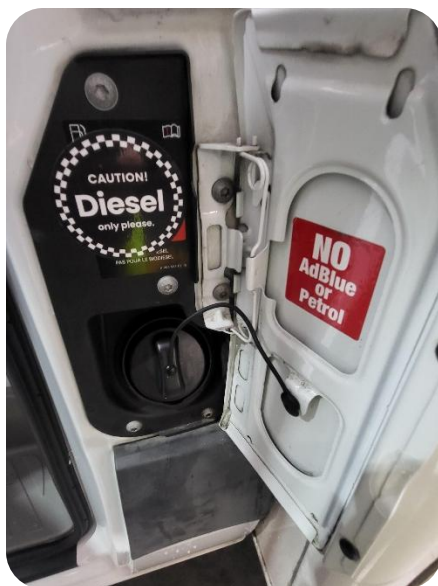
Diesel Fuel

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. To open, the passenger door needs to be opened to access the flap covering cap, then the cap just twists to open.

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, water or AdBlue, please do not start the engine and call STAR RV Roadside Assistance immediately.





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Jack & Spare Tyre

The jack is located on the floor, in front of the passenger seat. To access the compartment, use a butter knife or any similar tool to gently unscrew the compartment cover.

Once removed, you will find the jack tools inside.



The spare tyre can be found underneath the rear of the vehicle. To access it, use the provided tool. Be sure to follow all safety precautions when handling the spare tyre.



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Additional Information

Tyre size	205/75 R/16C
Tyre pressure	60 PSI
Oil type	5W30
Coolant type	Red Coolant (any brand)