

New Zealand
Self-contained

Polaris6 Nova – Merc



Vehicle manual.



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Contents

Description of keys	04
Vehicle equipment	05
Starting the vehicle.....	06
Windows & vents	07
Entry door.....	08
Outdoor step	09
Seatbelts	10
240-volt electrical system	12
12-volt electrical system	13
Microwave	14
Fresh water tank and water access	15
Grey water tank	16
Water pump.....	17
Hot water heater.....	18
Toilet use.....	19
Toilet cassette	20
Gas bottle	21
Stove top & grill	22
Heater.....	23
Fridge.....	24
Lights	29
Television	30
Bed conversion	31
Awning	34
Diesel fuel	36
AdBlue	37
Jack & spare tyre.....	38



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01. Description of keys



IGNITION KEY:

Use the indicated ignition key to:

1. This needs to be close by the Start/Stop button for you to start the vehicle.



SIDE ENTRY DOOR:

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



TOILET CASSETTE COMPARTMENT:

Use this key with 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 is applicable to LP Gas compartment on rear driver's side, storage compartment on rear passenger's side and small storage compartment besides driver's cabin door.



WATER TANK/GAS LOCKER/OUTDOOR SHOWER:

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



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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 ALARMS

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.**



GAS ALARM

Each vehicle has a harmful gas alarm located behind the back 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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03. Starting the vehicle



Gear stick in parking mode

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

The dashboard will display a 'P' indicating that the vehicle is in park. Start the vehicle using the ignition the start/stop button.



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 pulling slightly up and with the button held. The hand brake will start to move down. To engage the handbrake, pull the handbrake 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 handbrake before you drive.



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04. 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. To use the sun blackout blind, pull the blind up using the handle indents.



VENT

Stand facing the drivers cabin.

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

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



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05.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 outside, turn the key anti-clockwise 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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06. 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 and step or surrounding objects.



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07. Seatbelts

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. (indicated by the arrows in the above picture). There are no iso fix available.

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



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08.240-volt electrical system



To run the microwave, power points, and to recharge the house battery, connect the motorhome's 15 AMP 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 powered outlet to keep batteries charged. You will know that the 40v is working by the microwave turning on and showing the time.



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 at the bottom of back seat 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 240v not working;

- Check that the 240v cord is connected properly to both the power site and the motorhome
- Make sure the circuit breakers on both power site and motorhome haven't tripped.
- If above is not working then try and change the 240v plug (usually can hire these at the campsite). Or
- Try another power campsite

***If all above fails then please call the Star RV helpline.**



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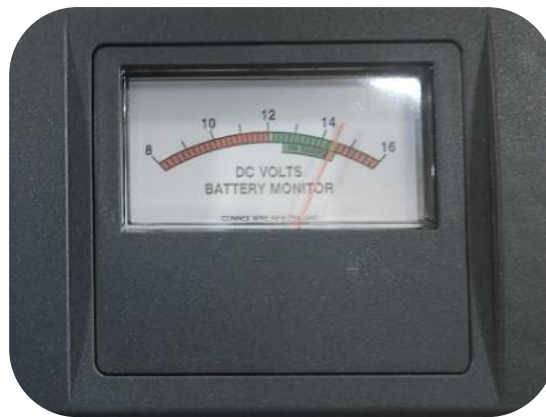


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09.12-volt electrical system

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 and is charged by both the alternator when the vehicle is being driven and the 240-volt system when it is plugged in to a mains power source.



The 12-volt electrical panel is located on the side wall as you enter the motorhome just above the domestic switches. The needle should stay between the green section. The more appliances you use the faster the power can drain from the battery.



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10. Microwave

The microwave in your motorhome will only operate via 240-volt power. This means that you **must** have the electric cord plugged into a powered site at a caravan park/campground.

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



NOT Recommended

- Paper bags – except the obvious like popcorn bags which are designed to be microwaved – are a fire hazard.
- 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 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 the Star RV on roads team for assistance.

Problem: Sparks or arcing when microwave is turned on.

Possible cause: Metal object in microwave.



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11. 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 120L freshwater tank and is located on the passenger side of the vehicle. This water is for the sink tap, shower and toilet flush. Your motorhome comes with a freshwater hose to use to full up the tank. There is no indication on when it will be full it will just overflow.



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





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12 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 Domestic panel switchboard. This is labelled “waste”

It is 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 the dump station disposal opening.
4. Open the tank by turning the Red lever towards you.
5. Once the greywater is empty, close the lever and remove the hose and stow away in the storage compartment.



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13. 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 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 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.



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14. Hot water heater

To operate the water heater in your vehicle

Step 1: Turn the gas bottle, located in the side panel on the drivers side, ensuring the valve is fully opened. Twist the valve on the gas bottle counter-clockwise to open and clockwise to close.

Step 2: Turn on the “water heater” switch. The red light next to the switch will illuminate bright red and the boiler will attempt to ignite.



Step 3: Once the boiler has ignited with a successful flame the red light will dim and the hot water will take approx. 30-40mins to heat.

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.

If the light stays bright red after about 2mins.

Turn off the switch. Check that there is gas in the bottle and that the tap is turned on. Also check that the gas valve is on. This is located by the gas bottle locker. Below is the on position. If everything is on then turn back on the switch.



If everything is on then turn the switch back on. If the light is still bright and hasn't dimmed. Turn off the switch leave for 15 seconds then turn on. Repeat this step another 3 times if it doesn't dim. If it still not working please call the Star Help line.



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15. Toilet use

1. Turn on the water pump on the 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)



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16. 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 the grey flush lever is in the closed position. Lift the blue lever and remove the entire cassette from the vehicle.



2. Head to the dumpstation and unscrew the blue lid.
3. 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.
4. 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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17. 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.

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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18. 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 hob, 3 gas hobs and a gas stove which uses LPG. The basic operation is the same as a gas stove in a house. However, the amount of oxygen in a motorhome is limited due to its size; therefore, always have sufficient ventilation when using the stove.

Using the Gas 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. Lift glass stove lid so it is fully upright. If your lid is partially open, the burners on the stove top 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 being pushed in, press the igniter switch until the gas lights. Keep holding down the burner knob.
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 two 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 stovetop 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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19.Heater

The vehicle is equipped with a heater that's is operated from the domestic battery and fuelled by the diesel Tank of the Motorhome..



To operate make sure you have sufficient charge of the domestic battery (check that the needle is in the green area of the voltage meter). Rotate the dial clock wise to the desired setting. The triangle in the middle will illuminate green.

The fan will start to blow air in about 30 seconds and heat should start flowing approx 90 – 120 seconds.

- Please note that the lights in the cabin will flicker during operation.

If there is an error the green light will flash. the error code is communicated by a series of flashes from the error code light in the center of the dial. After a sequence of 5 fast flashes the error code will be communicated by a series of long flashes;

Example: F 03 = Pause Pause

Error Code	Diagnostic	Remedy
F00	Control unit error	Call the star help line
F01	No Start	Call the Star help line
F03	Under/over Voltage	Check the battery level operating level for heater is 10.5v-15v
F10	Overheating	Turn off heater and wait 20min and restart. Check to see if there are no blockages in exhaust system and vents.
F12	Lock out	1. Disconnect power supply (i.e. remove fuse) while the heater is switched on. 2. Turn heater switch to the off position and reconnect to the power supply. 3. Heater codes have been cleared and heater has been removed from "Lock-out mode".



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20. Fridge



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



To adjust the temperature rotate the dial to the desired number (higher the number the colder the fridge). Please note that the higher the number the more power it will use. Optimal operating number is between 4-5.

Fault Finding

Fault	Possible cause	Action
Fridge not cold	No power supply, Low battery, Faulty fridge	Check that switch is on, The domestic battery has enough power above 10v
Compressor makes only short start attempts.	Bad power supply, too low voltage or a voltage drop at start attempts. Discharged batteries.	Charge batteries, run the engine or connect battery charger or plug into powered campsite

**** If above action fails please call Star help line**



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21. Lights



To use the cabin lights, turn on the light switch on the Domestic panel by holding the power button.

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



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



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22. Television



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

Kindly note that television reception may vary in rural areas and the TV reception works a lot better when plugged into a powered campsite. We highly recommend bringing your own DVDs to utilize with the in-built DVD player for uninterrupted entertainment.



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23. Bed conversion

There are three double beds on board your motorhome. To make up each of the beds, 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 stow away behind front passenger seat.



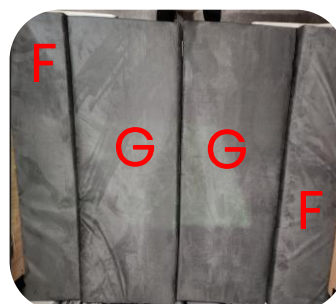
Step 2: Put aside J and G on both seats (there is a tag on the squabs with letters on them).



Step 3: Pull out wooden frame under both seats and pull-down legs on both wooden bed frames.



Step 4: Lay swab F on the bottom of the seat closest to the back rest with the higher angle tucked under the backboard. Lay swabs G on the middle wooden slacks





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BED 2 (Rear dinette)

Step 1: Remove the tabletop from the table leg and store table behind drivers seat and the table leg in the cupboard by the cabin door



Step 2: Put aside swabs B and D to access the 2 panel boards.



Step 3: Unclip the 2 panels (one on each side of the seat) and lay them in the gap where the dining table is supposed to be



Step 4: Restore Swab B in the original position and add swab X on top of the 2 wooden panels.



Step 5: Store the spare swabs under the wooden panels



Try our online **help hub**.



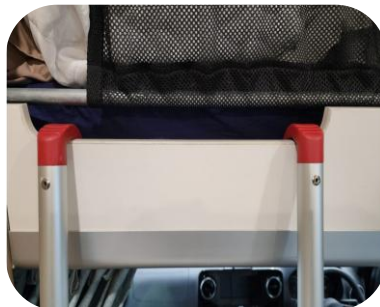
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BED 3 (Overhead bed)

The overhead bed can be accessed using the ladder stored in the cupboard next to the cabin door. This ladder must be connected to the gap provided.





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24. Awning

To roll out the awning:

1. Release the 2 hooks from the bolts at the top of the awning arms by pushing them up with the Pole.



2. Un tighten (anti clockwise) the 2 black bolts on both arms of the awning.



3. Using the pole hook into the eye bolt in the middle of the awning and pull away from the motorhome.



4. Pull back until the awning arms click into place. Tighten (clockwise) the 2 plastic bolts on the awning arms..





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To roll up the awning:

1. Loosen the blackbolts and using the Pole, insert into the eye bolt. Push the awning up and towards the motorhome. The awning will automatically role back into place.



2. Tighten up the black bolts and secure the top hooks





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





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26. 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.

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





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27. Jack & spare tyre

To find the jack tools in the motorhome, look 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.

