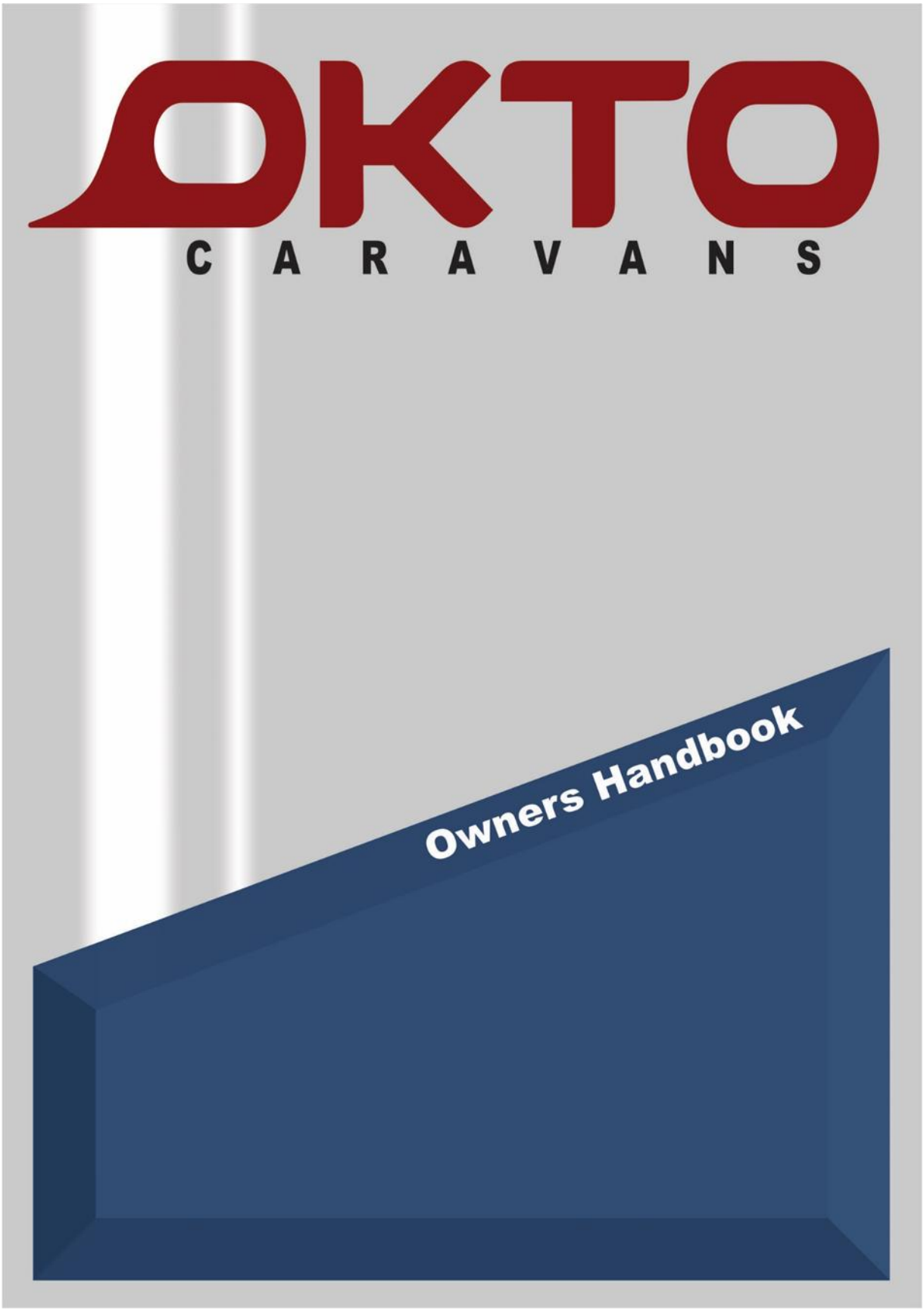

OKTO
CARAVANS
Owners Handbook

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Welcome

Thank you for choosing an Okto caravan. We wish you many enjoyable holidays and lasting memories with your new Okto.
Please read this handbook carefully before using your caravan. It contains important information on the safe operation, maintenance, and care of your new Okto, helping you get the best performance and enjoyment from your investment.
This handbook is intended as a general guide. If you require information or procedures that are not covered in this publication, please contact your authorised Okto dealer for further assistance.

Terms of warranty

All new Okto caravans are covered by a one-year transferable warranty.
The warranty period begins on the invoice date of purchase and only after the selling Okto dealer has received the completed and signed Owner's Acceptance Certificate.
Okto Caravans (Pty) Ltd warrants that the caravan is free from defects in materials and workmanship under normal use and service for a period of one (1) year from the date of purchase. During this period, defects resulting from faulty materials or workmanship will be repaired or remedied in accordance with the terms of this warranty.
This warranty does not cover damage or failures resulting from misuse, abuse, neglect, improper maintenance, unauthorized modifications, accidents, or the incorrect use of any caravan components or accessories.
Warranty repairs must be carried out by an approved Okto dealer. The owner is responsible for transporting the caravan to and from the approved dealer, and all associated transport costs are the owner's responsibility.

Special conditions of warranty

1. Since neither the axle manufacturer nor Okto (Pty)Ltd have any control over it after leaving the factory, wheel bearings and the alignment of the axles do not carry any warranty.

2. The Okto warranty does not cover the tyres or fitted appliances. This will need to be claimed from the applicable tyre or appliance manufacturer with the assistance of an Okto dealer.

3. The caravan should not be used for purposes other than holidays. Even though it is possible to permanently live in the Okto caravan, the caravan is not designed as a permanent dwelling.

4. The Okto range of caravans will need to be serviced by an authorized Okto dealer at least once a year.

5. The warranty does not cover any caravan that will be used as a rental unit.

6. The Okto caravan will need to be returned to and authorized dealer for any warranty repairs. This will ensure that the repair is done under the correct supervision and with the correct tools and parts.

7. Okto is responsible only as described in the warranty and will not be held liable for any loss, damage, injury or consequential or resulting liability caused by or due to any defects.

8. Okto reserves the right to refuse responsibility for any cost of any repairs that were undertaken by a repairer other than an authorised Okto dealer unless prior authorisation was obtained from Okto (PTY) Ltd or an Okto approved dealer.

9. Okto has the right to cancel this warranty if any unauthorized alterations or modifications are made to the caravan or any parts included.

10. The Okto warranty excludes all warranties, conditions and liabilities whatsoever, expressed, implied or imposed by Common Law, statute, or otherwise.

11. This warranty is valid only in the Republic of South Africa.

12. Okto (Pty) Ltd reserves the right to change specification to the caravan and the contents of this handbook without notice.

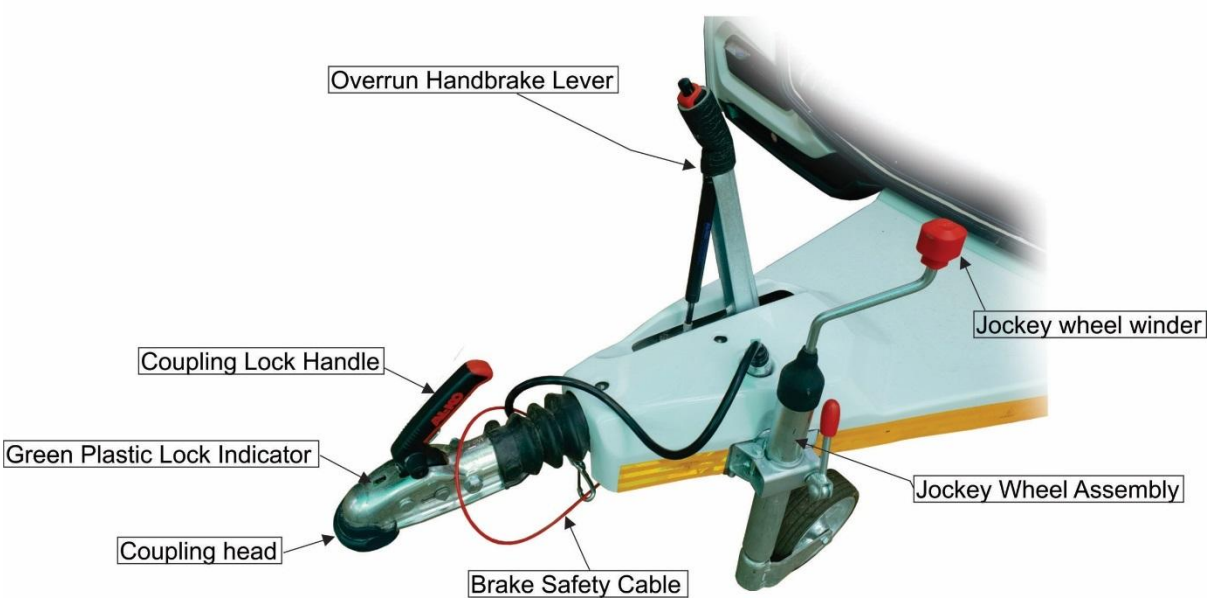
Pre-delivery service

The supplying Okto dealer will ensure that the caravan is thoroughly inspected, fully serviced, and in good condition prior to delivery.

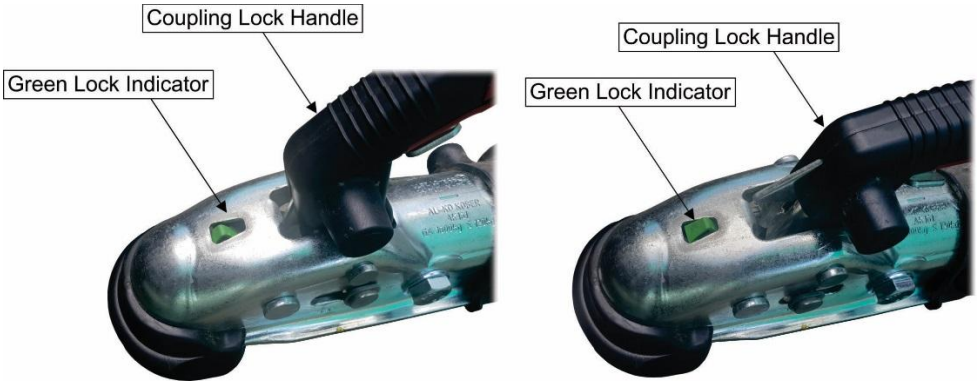
Keep Track of your Services

Date of Service	Job Card No.	Signed by Dealership	Dealer Stamp
Date of Service	Job Card No.	Signed by Dealership	Dealer Stamp
Date of Service	Job Card No.	Signed by Dealership	Dealer Stamp
Date of Service	Job Card No.	Signed by Dealership	Dealer Stamp
Date of Service	Job Card No.	Signed by Dealership	Dealer Stamp
Date of Service	Job Card No.	Signed by Dealership	Dealer Stamp
Date of Service	Job Card No.	Signed by Dealership	Dealer Stamp
Date of Service	Job Card No.	Signed by Dealership	Dealer Stamp
Date of Service	Job Card No.	Signed by Dealership	Dealer Stamp

Coupling the caravan to your tow vehicle



Ensure that the caravan coupling is approximately level with the tow vehicle's tow ball.
Carefully reverse the tow vehicle until the tow ball is positioned as close as possible to the caravan coupling head. While supporting the caravan, release the overrun handbrake brake lever. Using the grab handles, carefully manoeuvre the caravan until the coupling head is directly above the tow ball. Apply the caravan overrun handbrake lever to prevent movement. Lift the coupling lock handle and slowly lower the coupling head onto the tow ball by winding down the jockey wheel until the coupling is fully seated.



When the caravan coupling is correctly engaged, the coupling lock handle will automatically return to the locked (down) position. A green lock indicator will be visible at the front of the coupling head, confirming that the coupling is securely locked (see Fig. 1 – Unlocked and Fig. 2 – Locked).
Attach the brake safety cable by looping or clipping it securely around the tow vehicle's tow ball or designated attachment point, ensuring that the cable hangs freely without excessive slack, twisting, or tension.
The brake safety cable is a critical safety device designed to apply the caravan's brakes if the caravan becomes accidentally detached from the tow vehicle while in motion.
Once you have confirmed that the coupling is securely locked and the safety cable is correctly attached, lower the caravan overrun handbrake lever.

Wheels and Tyres

Tyre Pressure and Wheel Nut Checks

Before each trip and for bitumen roads, ensure that the caravan tyres are inflated to 2.6 bar. Adjust your pressures when the tires are cold.
For improved towing stability, it is recommended to adjust the tow vehicle's tyre pressures as follows:

- Front tyres: 2.2 bar
- Rear tyres: 2.5 bar

On gravel roads, a safe standard is to drop your normal cold-road pressure by about 20% (e.g., dropping a 0.5 - 0.6 bar). For heavy corrugations or loose gravel, drop down to 1.8 bar. For thick sand 1.0 bar. Lower pressure generates more internal heat. Keep your speed to 60–80 km/h to prevent tire blowouts and avoid slicing sidewalls on sharp rocks.
Re-inflate to your standard on-road pressures as soon as you hit smooth bitumen again.
Before every journey, check that your caravan wheel nuts are tightened to a torque of 100 Nm.
For new Okto caravans, stop every 100 km during the first 1,000 km of operation to recheck. This allows the wheel nuts to seat correctly in the wheel rims.

Changing a Wheel

- Remove the spare wheel from its cradle as shown below.
- Place wheel chocks securely against both sides of the wheel opposite the punctured tyre to prevent the caravan from moving.
- Apply the overrun handbrake lever fully up.
- Loosen the wheel nuts on the punctured wheel, but do not remove them.
- Wind the jockey wheel down until the front of the caravan is as low as possible.
- Lower the rear corner steady on the same side as the punctured wheel until it makes firm contact with the ground. Turn it approximately three additional turns to apply light pressure and stabilise the caravan.
- Wind the jockey wheel up to its maximum height. This will raise the caravan and lift the punctured wheel clear of the ground.
- Remove the loosened wheel nuts and take off the punctured wheel.
- Fit the spare wheel and hand-tighten the wheel nuts.
- Reverse the lifting procedure to lower the caravan safely to the ground.
- Tighten the wheel nuts evenly to the specified torque of 100 Nm and verify that all wheel nuts are secure before driving.

How to Remove the Spare Wheel

The Okto caravan is equipped with a spare wheel mounted in a cradle beneath the floor and behind the axle. To remove the spare wheel, follow the procedure below.

- Lower the nose of the caravan as much as possible to create sufficient clearance for the spare wheel to pass safely beneath the caravan body.
- Unscrew the locking fly-screw securing the spare wheel cradle.



- Lower the cradle to the ground.

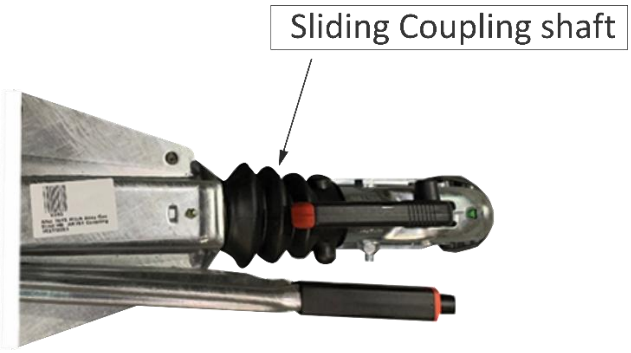


- Slide the spare wheel out from under the caravan.



The Braking System

The Okto caravan is fitted with Al-Ko automatic reversing hubs. When the overrun lever is pulled up and while the caravan is moving forward, the brake shoes shift into a forward position within the hub, causing the caravan to brake. If the overrun lever is pulled up while the caravan is moving backward, the brake shoes shift into a reversing position and partially release the brakes, allowing approximately 60% of the braking force. The caravan will continue moving backward until the overrun lever shifts into the overrun position to fully activate the brakes, which may take up to 1 metre. For this reason, it is advisable to place chocks behind the wheels before uncoupling on a downhill slope. While travelling, when the tow vehicle's brakes are applied, the momentum of the caravan pushes forward onto the sliding coupling shaft (image below), causing the caravan brakes to engage; the shoes shift into a forward position and brake the caravan. Similarly, when reversing the combination, the coupling also pushes back and applies the caravan brakes. However, because the caravan is moving backward, the shoes shift into the reversing position in the hub, allowing the caravan to reverse without full braking being applied.

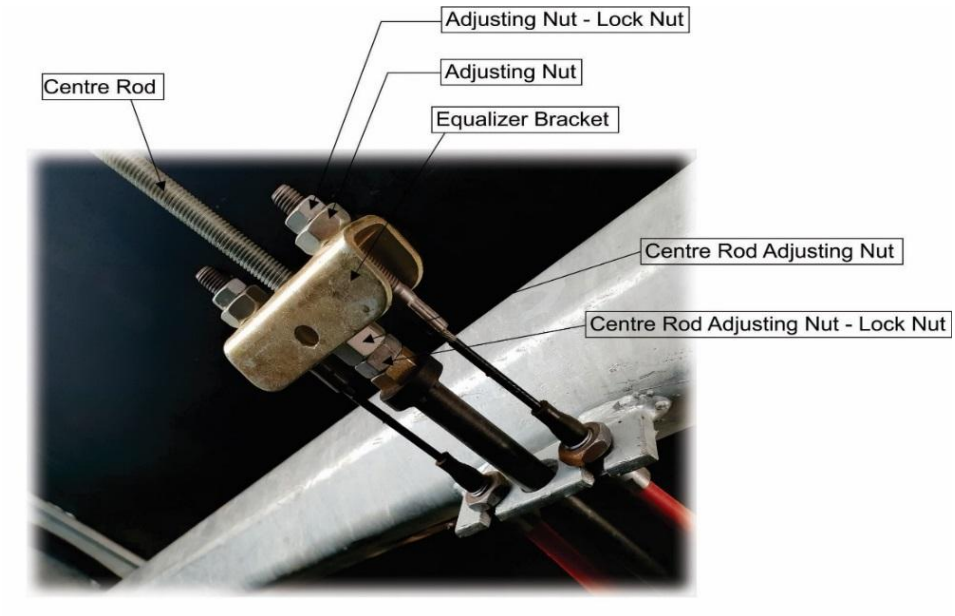


Brake Adjustment

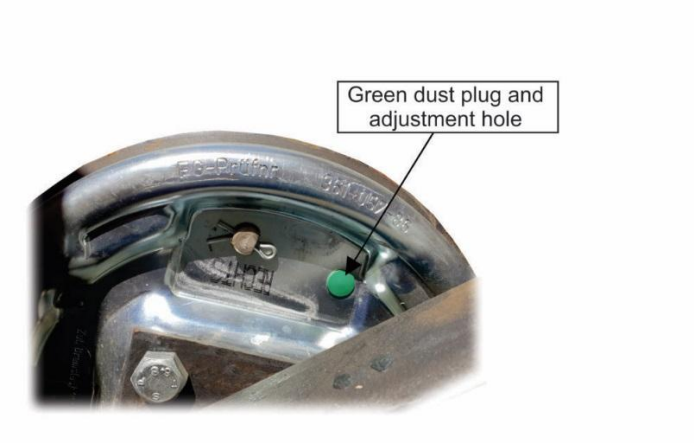
This procedure must only be performed by a qualified person.
During the warranty period, brake adjustments must be carried out exclusively by an approved Okto dealer.
Before adjusting the brakes, roll the caravan forward and apply the handbrake until the caravan comes to a complete stop. This ensures that the brake shoes are correctly seated in the correct position before adjustment.

Brake Adjustment Procedure

- Park the caravan on a level, solid surface. Avoid parking on grass or soft ground. Carefully raise the caravan until both wheels are clear of the ground.
- Pull the coupling head forward until the coupling shaft is fully extended.
- Fully release the handbrake by pushing the handbrake lever down.
- Loosen all lock nuts (see image below). Then, release the tension on the centre rod and brake cables by loosening the adjustment nuts on the centre equalizer bracket.



- Remove the green dust plug from the adjustment hole located at the rear of the brake drum. The plug is fitted in the backing plate of the hub assembly.
- Insert a small flat-blade screwdriver through the adjustment hole and rotate the adjustment nut one click at a time while turning the wheel in the forward direction.



- Rotate (click) the adjustment nut one click at a time until the wheel can no longer be turned.
- Click the adjustment nut in the opposite direction until the wheel rotates freely. This should require approximately six clicks.
- At the centre equalizer bracket, remove all slack from the brake cables and centre rod by adjusting the adjustment nuts. Ensure that the equalizer bracket remains straight after the adjustment is complete.
- Pull the centre rod away from the coupling and verify that there is 10 mm of free play between the centre rod adjustment nut and the equalizer bracket.
- Tighten all lock nuts on the brake cables and centre rod to secure the adjustments.

Road Test

After completing the brake adjustment, perform a road test to verify correct brake operation.
Before starting the road test, ensure that:

- The wheel nuts are tightened to 100 Nm.
- The tyres are inflated to 2.6 bar.

During the road test, verify the following:

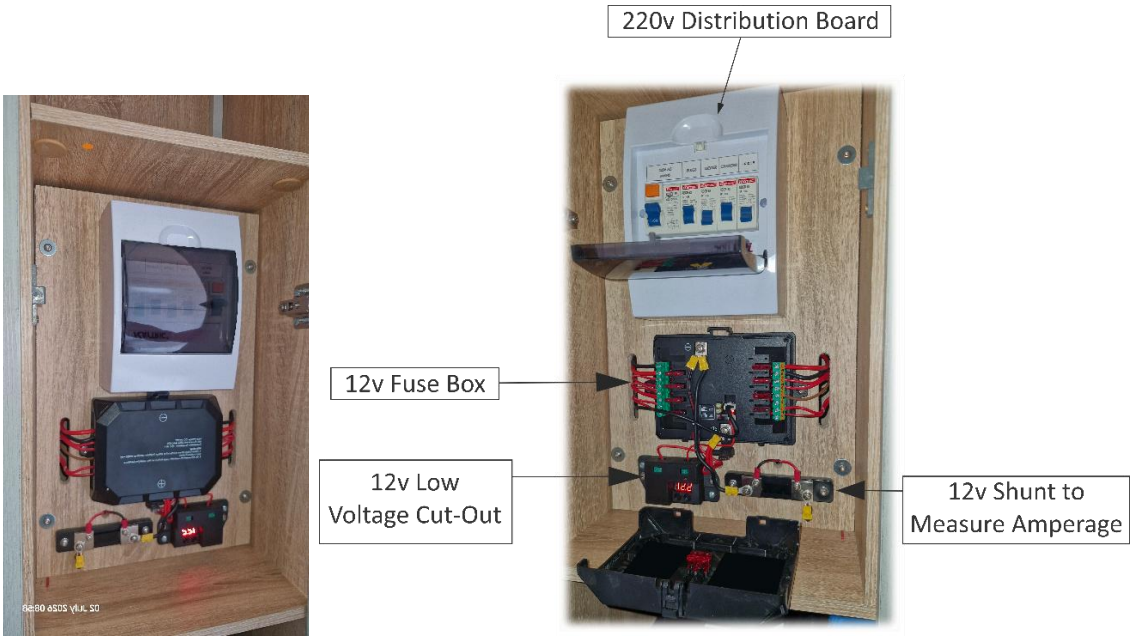
- The caravan brakes evenly on both wheels. Uneven braking may cause the caravan to pull to one side.
- The caravan remains stable and does not sway excessively during braking.
- The caravan does not bump or jerk sharply against the towing vehicle when braking or pulling away.

After driving in conditions that require frequent braking, the brake drums will become hot. Drive the caravan for approximately 5 km on a road where braking is not required to allow the brake drums to cool. Once cooled, inspect the brake drums to ensure they are not excessively hot and that the brakes are operating correctly.

The Electrical System

The Okto caravan is equipped with both 220v AC and 12v DC electrical systems.
The 220v system supplies power to the Victron Smart Charger, the microwave oven, and all 220v power outlets. The Victron Smart Charger charges and maintains the 101 Ah battery.
The 12v system is powered by the battery and supplies power to the refrigerator (on models fitted with a 12v refrigerator), the water pump, and all interior and exterior LED lighting.

The Power Supply, Fuses and Switches

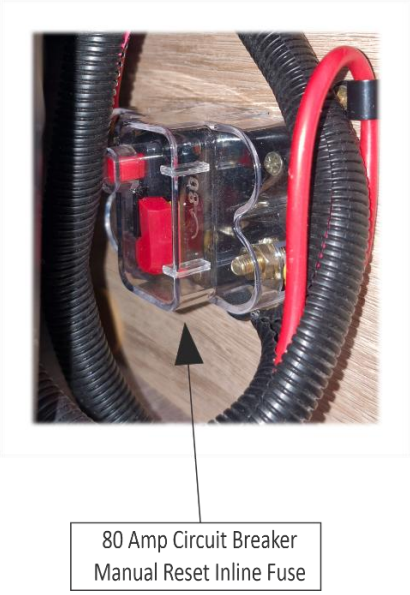


The illustration above shows the power supply unit and safety switches, located inside the wardrobe immediately to the left as you enter the caravan.
The power supply unit is designed for reliable, user-friendly operation. The 220 V AC supply is protected by an earth leakage protector and a circuit breaker before being distributed throughout the caravan.
The unit also supplies 12 V DC power to the following circuits:

- LED lighting
- Water pump
- Fridge
- Exterior auxiliary cigarette lighter socket
- USB charging ports

These 12 V circuits are protected by inline blade fuses housed in the fuse box. The fridge and water pump are each protected by dedicated circuit breakers, as shown in the illustration above.
Refer to the table below for the correct fuse allocation and amperage rating for each circuit.

Your Okto features a 12V, 80-amp main circuit breaker. This circuit breaker can also be used as a battery isolator switch. You can find this breaker located on the wall next to the battery box, directly underneath the battery charger.
To Reset: If the breaker trips, simply remove the clear plastic cover and push the red lever back to the ON position.



The 12v system is also protected by a 30amp mini blade fuse located on the 12v positive supply lead at the battery box.







Okto caravans feature either an electronic or touchscreen control panel. Located next to the screen is the water level indicator. Below this indicator, you will find a silver button—pressing this switch toggles the exterior lights between white and yellow illumination.

The Victron Charger

Located next to the battery.





The Victron charger features built-in Bluetooth, allowing you to monitor and manage your system using a smartphone or tablet.

1. Initial Setup & Pairing
   - Download the VictronConnect app from the Google Play Store or Apple App Store.
   - Ensure the 220V power cable is connected to the caravan and your device's Bluetooth is enabled.
   - Open the app and select your charger. When prompted for a password, enter the default code: 000000.

2. App Features

Once connected, the VictronConnect app allows you to view live data and manage your power system, including:

   - Current battery condition and state of charge.
   - Available real-time voltage.
   - Amperage currently being drawn by the caravan.
   - System settings and firmware tools.

3. Updating Firmware

Every few months, the Victron charger may require a firmware update to ensure optimal performance.

   - If an update is available, the update screen will appear automatically as soon as you log into the charger via the app.
   - Follow the on-screen prompts to complete the update process. Do not disconnect the power or close the app while the update is in progress.

Interior Lights

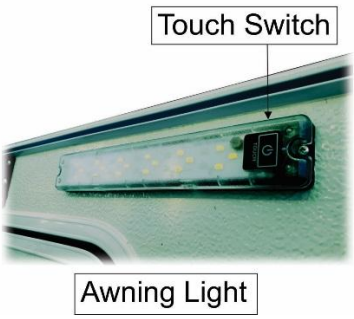
Your caravan is equipped with high-efficiency, furniture-mounted LED lights designed to maximize battery life without compromising on brightness or comfort.
These neatly concealed lights operate automatically based on door positions:

- Doors Closed: The LEDs provide ambient illumination throughout the caravan's main living space.
- Doors Open: The LEDs automatically shift focus to illuminate the interior of the lockers and cupboards.



The reading and awning lights each have their own switches, and they will only operate once the fridge circuit breaker has been switched on. The awning light also requires the awning and step light switch on the control panel to be activated before it will function.





If you are not connected to 220-volt power, it is advisable to switch off any lights that are not in use, as this will help extend battery life. The caravan is fitted with a 101 amp-hour deep cycle leisure battery, and approximately 75% of this capacity is usable, giving you around 75 amp-hours available before the battery needs recharging. Using the equation for power, Watt = Amp × Volt, the table below can help you estimate how much battery life remains.

Battery and Battery Maintanance

Your Okto caravan is fitted with a 12-volt deep cycle leisure battery with a capacity of 101 amp-hours. The battery is a sealed lead-acid type and does not require topping up with distilled water. It is important to ensure that the battery terminal clamps are always correctly connected and secure.



The positive clamp, identified by the red wire, must be connected to the (+) terminal of the battery, while the negative clamp, identified by the black wire, must be connected to the (-) terminal. Always connect the positive clamp first and ensure that the lid of the battery box is securely in place. It is

recommended to keep the caravan plugged into 220-volt mains while it is in storage, as the Victron Smart Charger will manage and maintain the battery and keep it in a fully charged state. If mains power is not available during storage, the battery terminals should be disconnected. The battery should be charged at least once a month for a period of four days. The battery must never be allowed to fully discharge, as this can cause a calcium layer to form on the lead plates. Over time, this layer can thicken and potentially cause irreversible damage, possibly requiring battery replacement.

Road Lights

All Okto caravans are fitted with LED tail, indicator and stop lights. These LED lights require no maintenance. Below is a diagram indicating the wiring of the 7-pin socket and plug.



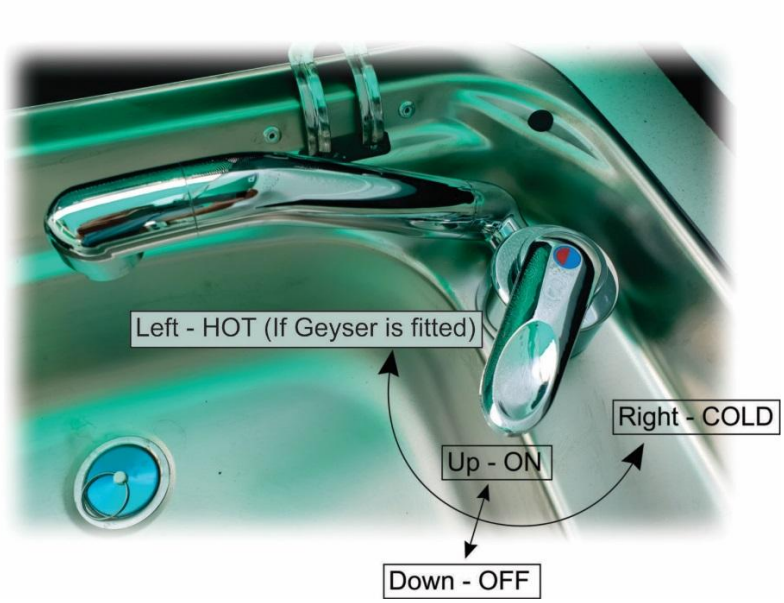
Okto does not use pin number 2 (aux) for the fridge. Instead, your nearest Okto dealer can fit a Brad Harris plug and wiring to the caravan, allowing the battery to be charged while you are travelling. An auto-electrician will also need to install a 12-volt Brad Harris supply plug in your tow vehicle. With this setup, the fridge will be powered by the caravan battery, while the battery itself is charged by the tow vehicle.

The Water Sytem (Villa and Cabana)

Your Okto is equipped with a 12-volt submersible water pump that fits into the 25-litre water container located in the front nose storage area of the caravan. The pump is activated by a micro-switch located in the taps. The fuse for the water pump is in the fuse box on the PSU, and the pump also has its own circuit breaker, allowing you to switch off all the taps if needed. It is recommended, whenever possible, to travel and store the caravan with the water container empty. Never operate the water pump when the container is empty, as this can cause damage to the pump.



Your Okto caravan is fitted with two mixer taps. The hot water will only function if the caravan has been equipped with a hot water geyser. The diagram below illustrates the operation of the mixer tap.



The Water Sytem (Gravellor)

The Gravellor range of Okto caravans are fitted with a 65ltr under floor water tank.
It is recommended to fill the tank before switching on the pump or attempting any water operations. When storing the caravan for extended periods, empty the water tank by running the hot or cold water taps until the tank runs empty, you will then need to switch off the water pump. You could add one bottle (1ltr) of white vinegar into the tank before emptying the tank, this will ensure that the pipes are stored with a white vinegar solution in them. The geyser cannot be drained.



This tank is filled through the lockable water inlet, which is located above the off-side wheel.



Water Pump Locations

The water tank supplies an inline pressure pump, located on the floor inside the caravan.
Below are the locations for the various models. When first activated, the pump runs to fill the water system and automatically switches off once the system is full. It is equipped with a pressure switch that allows it to turn on and off as the taps are used.



In the low profile caravans



under the off-side bunk

In the Castello



under the off-side bunk

In the Chateau

Hot water geyser

The pump also supplies hot water to the taps via an inline gas or 220-volt geyser. In all low-profile Oktos and the Castello models, the geyser is installed at the bottom of the front off-side wardrobe, beneath the removable floor panel.
In the Chateau, however, the geyser is positioned next to its water pump, as shown in the picture above.



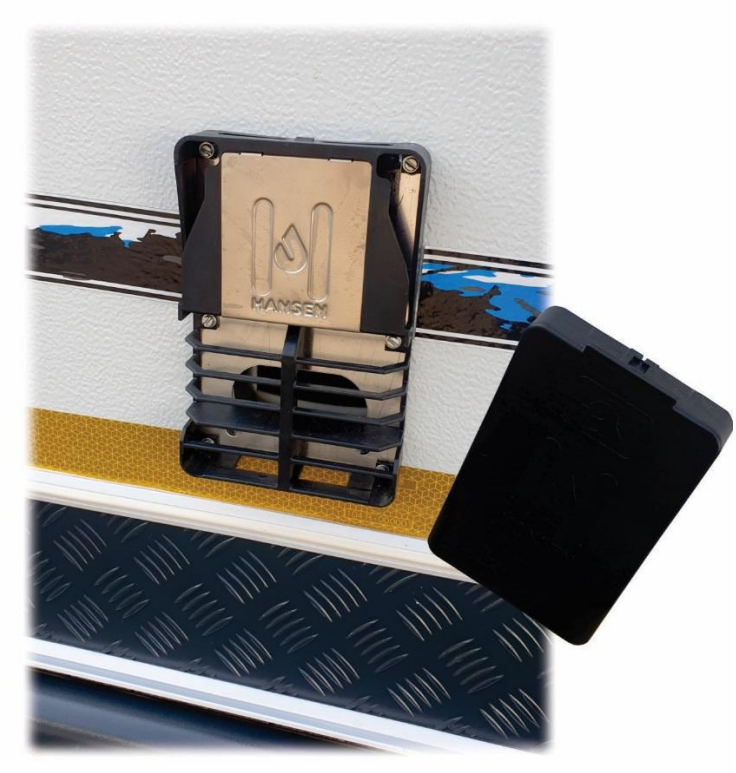
Once the tank is full and before switching on the geyser, ensure that water flows strongly from the hot side of the tap. This indicates that the inline geyser is completely filled. The geyser switches are located on the front lower panel of the wardrobe.



To start the geyser on 220v follow these steps.

1. Make sure the outside geyser cover is removed and stored safely.
2. Make sure geyser is full.
3. Make sure the 220v is plugged in and on.
4. Switch the left hand switch to the “ON” position.
5. Switch the right hand switch to the “ELECTRIC” position.

There is no indicator light showing that the 220v is on and the water will take approximately 20min to warm up.



To start the geyser on gas follow these steps.

1. Make sure the outside geyser cover is removed and stored safely.
2. Make sure the geyser is full.
3. Make sure you gas bottles have gas in and the regulator is screwed on.
4. Make sure the gas bottle is open.
5. Switch the left hand switch to the “ON” position.
6. Switch the right hand switch to the “GAS” position.

The red LED in the centre will begin flashing. Once the gas flame ignites and burns steadily, the red LED will turn off. If at any point the green LED lights up without flashing, it indicates that the flame has gone out or the gas is empty. In this case, you will need to restart the gas as described above.

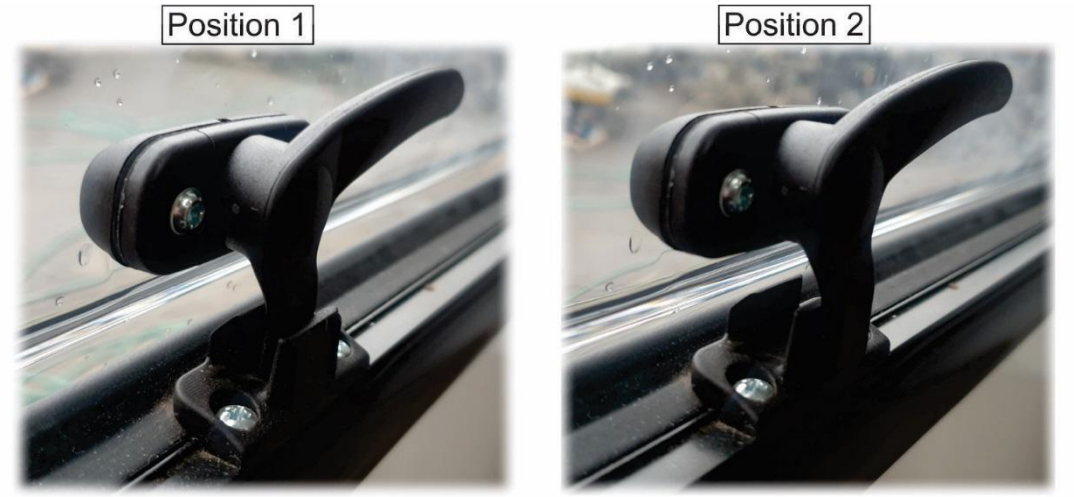
The outside shower hatch is equipped with a mixer tap and shower rose. To operate it, open the primary lever and adjust the temperature as you would with the kitchen unit tap, then push the secondary lever to start the water flow.



Caravan windows

The caravan windows are made of acrylic, which is very strong, but care should still be taken when cleaning them. Do not use abrasive cleaners or brushes. Only use a soft cloth with a gentle soap, such as dishwashing liquid or a similar mild detergent.

To close the window, gently push it slightly further open and then let it drop back down. The latches have two closed positions. Position 1 is used when you want the window locked but still allow extra ventilation while camping. Position 2 is for when you want the window fully locked and sealed. Always ensure that position 2 is engaged before towing your caravan.



Specifications

	Cabana II	Villa II	Villa II En-Suite	Cabana Gravellor	Villa and En-Suite Gravellor	Chateau
Chassis						
Tyre Size	195 x 14C	195 x 14C	195 x 14C	215/80 x 15C	215/80 x 15C	195 x 14C
Rim	14" Alloy	14" Alloy	14" Alloy	15" Alloy	15" Alloy	14" Alloy
Rim PCD	5/114	5/114	5/114	5/114	5/114	5/114
Bearing outer	11949	11949	11949	32005	32005	11949
Bearing inner	67048	67048	67048	32007	32007	67048
Oil seal size	42x62x7	42x62x7	42x62x7	42x62x8	42x62x8	42x62x7
Tare Mass	1140kg	1200kg	1200kg	1235kg	1370kg	1580kg
Gross Mass	1500kg	1500kg	1500kg	1700kg	1700kg	1890kg
Payload	360kg	300kg	465kg	330kg	330kg	310kg
Length	5880mm	6850mm	6850mm	5880mm	6850mm	7840mm
Width	2362mm	2362mm	2362mm	2362mm	2362mm	2362mm
Roof down height	2020mm	2020mm	2020mm	2130mm	2130mm	2620mm
Interior						
Bed size	1400mm x 1900mm	1400mm x 1900mm	1400mm x 1900mm	1400mm x 1900mm	1400mm x 1900mm	1520mm x 1900mm
Fridge Model	DAC538	DAC538	DAC538	DAC538	DAC538	DAC449
Fridge Type	12v Defy	12v Defy	12v Defy	12v Defy	12v Defy	220v Defy
Fridge Capacity	127 ltr	127 ltr	127 ltr	127 ltr	127 ltr	142 ltr
Freezer Capacity	65 ltr	65 ltr	65 ltr	65 ltr	65 ltr	86 ltr
Total Capacity	192 ltr	192 ltr	192 ltr	192 ltr	192 ltr	228 ltr
Fridge Current (While running)	5amp on 12v	5amp on 12v	5amp on 12v	5amp on 12v	5amp on 12v	0.5amp on 220v
Battery	12v 105amp/h Deep Cycle	12v 105amp/h Deep Cycle	12v 105amp/h Deep Cycle	12v 105amp/h Deep Cycle	12v 105amp/h Deep Cycle	12v 40amp/hr Deep Cylce
Water pump	12v Submersible	12v Submersible	12v Inline Pressure	12v Inline Pressure	12v Inline Pressure	12v Inline Pressure
Geyser	None	None	Gas/220v	Gas/220v	Gas/220v	Gas/220v
Water Tank	25 ltr Bottle	25 ltr Bottle	65 ltr Built-in	65 ltr Built-in	65 ltr Built-in	65 ltr Built-in

	Castello Gravellor	Wasp
Chassis		
Tyre Size	195 x 14C	195 x 14C
Rim	14" Alloy	14" Alloy
Rim PCD	5/114	5/114
Bearing outer	11949	11949
Bearing inner	67048	67048
Oil seal size	42x62x7	42x62x7
Tare Mass	1140kg	1200kg
Gross Mass	1500kg	1500kg
Payload	360kg	300kg
Length	5880mm	6850mm
Width	2362mm	2362mm
Roof down height	2020mm	2020mm
Interior		
Bed size	1400mm x 1900mm	1400mm x 1900mm
Fridge Model	DAC538	DAC538
Fridge Type	12v Defy	12v Defy
Fridge Capacity	127 ltr	127 ltr
Freezer Capacity	65 ltr	65 ltr
Total Capacity	192 ltr	192 ltr
Fridge Current (While running)	5amp on 12v	5amp on 12v
Battery	12v 105amp/h Deep Cycle	12v 105amp/h Deep Cycle
Water pump	12v Submersible	12v Submersible
Geyser	None	None
Water Tank	25 ltr Bottle	25 ltr Bottle

The manufacturer reserves the right to change specifications, accessories and prices at any time without notice.
Weights may vary up to 5% and make provision for the crockery, battery and empty gas and water bottles.