

OP15

2023 USER MANUAL



OPUS
OFF-ROAD

WELCOME TO THE OPUS FAMILY!



We're so pleased that you have chosen an OPUS Camper Trailer and we welcome you to the adventure lifestyle. Our goal is to help every customer push boundaries and explore further, to find and to foster that love for the great outdoors, and with the help of their Off-Road trailer as a base camp we hope to help our customers find their inner adventurer.

We are committed to providing the highest level of customer service and so we've put together this user manual to help guide you through the process of learning about your new OPUS trailer. We strongly suggest that you review this manual in its entirety before using your new Opus Camper. Your dealership should be able to answer any questions you have and we are very happy to assist with any further questions that arise. Getting to know your new camper well and following the guidelines, instructions and warnings laid out in this manual will help to ensure that you get the most out of your camper and with considerate treatment and care it will be your companion for your camping adventures for years to come. We recommend that you keep this Owner's Manual with your camper as a reference guide for when you are out on your adventures. If you need a digital copy of this manual please contact us at OPUS Camper USA and we would be happy to provide you with one.

Here at OPUS we demand a high standard of build in our trailers; to ensure the highest quality our team follow a strict build and inspection process before delivery. Your dealership will also run their own inspection on the camper before it reaches you. We encourage you to take the time with your dealer when you collect your trailer to familiarize yourself with the camper and understand the tests that they have run to ensure that everything is working as it should.

If you suspect your OPUS Camper is not working correctly, please contact your dealer to arrange an appointment. If you are traveling & experience a problem, please first contact your dealership before any repairs are carried out by a local independent service department to ensure that you will still be covered under warranty. Retain all invoices and documentation to allow for proper reimbursement through your dealer. For appliances, please refer to the appliance manual for support and warranty assistance.

The OP15 trailer is designed for recreational use only. We would encourage you to familiarize yourself with the warranty for your trailer to ensure that your use falls in line with the intended usage covered under warranty. Usage outside of these terms could reduce or void your warranty. You will find the OPUS warranty information in the back of this user manual. Please be sure to follow up with your dealership to make sure they have completed and returned the required warranty registration form to activate your warranty.

Please note that there may be differences in the products or design shown or described in this manual from your camper. This manual was correct at the time of publication however we promote an on-going improvement process within our builds and we reserve the right to change the construction or design at any time without the obligation to make these changes on previous manufactured trailers. If significant changes are made to the design or build of our models we will take the appropriate steps to update this manual accordingly for the benefit of our customers. Please contact the OPUS Camper USA team for a digital copy for our most up to date user manual.

Should you have any questions about your OP15 trailer, no matter how small we are here to help. You can reach us at info@opus-camper.us or call us on 925.215.7215. We hope you enjoy your OPUS Camper and we wish you many happy memories

Sincerely,

OPUS-CAMPER-USA

PG 1 - 2: SPECIFICATIONS

ABOUT YOUR HITCH

PG 3: DIMENSIONS

PG 4: HITCHING UP

ABOUT YOUR HITCH
DO35 CRUISEMASTER

PG 5: QUICK SET-UP

SIX QUICK SET-UP STEPS
SET-UP TIPS

PG 6: TOWING

TOW FEATURES
ELECTRICAL BRAKE PLUG
SAFETY CHAINS
BRAKES & BRAKE MAINTENANCE
STABILIZER LEGS

PG 7: CONTROL PANEL

PANEL MAP
BATTERY INDICATOR
QUICK TIPS
VOLTAGE METER

PG 8 - 10: FULL SET-UP GUIDE

EXTERIOR
INTERIOR
KITCHEN
BEDS
FRIDGE

PG 11 - 14: ELECTRICAL SYSTEM

120V SHORE POWER
3-PIN SOCKETS
RUNNING YOU A/C
GENERATOR RECOMMENDATION
INVERTER
12V OUTLETS AND LIGHTS
BATTERY BANK/ USABLE POWER
CONVERTER BATTERY CHARGER/CHARGE WIZARD
CO/LP ALARM
SOLAR POWER SYSTEM

PG 15 - 17: WATER SYSTEM

POTABLE WATER SYSTEM
GREY WATER SYSTEM
BLACK WATER SYSTEM

PG 18 - 19: GAS SYSTEM

INSTALLING GAS CYLINDER
PROPANE VALVE
CONNECTING TO KITCHEN
OPERATING GAS STOVE
STORING IN TRANSIT OR STORAGE
PROPANE (LP) / CO DETECTOR

PG 20 - 21: PACKING UP YOUR OPUS

PG 22 - 24: ABOUT YOUR KITCHEN

KITCHEN SINK
KITCHEN STOVE
FRIDGE

PG 25: HEATER - TRUMA COMBI

PG 26: AWNING SET-UP

PG 26: A/C - DOMETIC PANGUIN II

PG 27: BATHROOM

TOILET
SHOWER
SINK

PG 28: ENTERTAINMENT

TELEVISION
RADIO
SPEAKERS - INDOOR/OUTDOOR

PG 29: WINDOWS & SCREENS

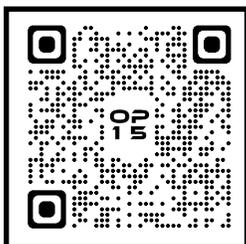
PG 30: FRONT DOOR / SKYLIGHT

PG 31 - 36: CARE & MAINTENANCE

WINTERIZATION
PARTS
CHANGING A TIRE
BRAKES
GREASING & SERVICING
BATTERY STORAGE
FIRE EXTINGUISHER
EMERGENCY EXITS

PG 37 - 38 : WARRANTY

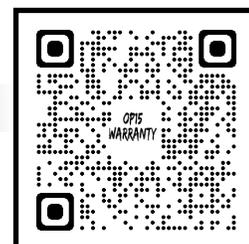
PG 39 - 40 : WHAT'S INSIDE MY OP15



WEBSITE



ONLINE USER GUIDE



WARRANTY

SPECIFICATIONS

BUILD

Color	Grey
Body Work	Baked Enamel Finish
Material	Di-bond aluminum composite panel exterior with aluminum sub-structure; fully hot-dip galvanized chassis draw-bar
Dimensions (Travel Mode)	257" (L) x 106" (H) x 83" (W)
Dimensions (SetUp Mode)	280" (L) x 120" (H) x 154 (W) with kitchen fully extended
Ground Clearance	14"
Chassis	Fully galvanized & welded chassis
Drawbar	Fully galvanized & welded drawbar
Bed Mattress Size (Main Bed)	72" (L) x 70" (W) x 8.5" (H)
Bed Mattress Size (Bunks)	Bottom: 80" (L) x 42" (W) x 3" (H) Top: 80" (L) x 33" (W*) x 2" (H)
Dry Weight	5,159 lbs
Tongue Weight	410 lbs
GVWR	6,393 lbs
Cargo Capacity	1640 lbs

FEATURES

Coupling	Cruisemaster DO35
Suspension	Independent Trailing Arm Coil Spring Suspension with Dual Shock Absorbers UPGRADED RE-ENGINEERED SUSPENSION with vertical spring positioning
Shock Absorbers	Gas Shock Absorbers
Kitchen	Exterior Slide out Stainless Steel Kitchen with 4 burner gas stove & sink with electric tap, dish rack and cutlery drawer. Kitchen Prep Deck, Lockable Fold-down Kitchen prep deck
Refrigerator	Dometic CFX75
Stabilizers	Drop Down Adjustable Heavy Duty Stabilizer legs
Tongue Jack Wheel	ARK 750 Dual Tongue Jack
Steps	Manual
Stone Guard	Anti-chip protected
Wheels	265/75R/16 Mud Tires (including 2 x spares) and Alloy Wheels
Brake System	12v Electric Drum Brakes w/ E-brake to assist w/ un-hitching & trailer brake-away system.
Pop-Top Roof	Aluminum frame with top aluminum sheet and Fiberglass interior wall
Sun Awning	8' Girard Retractable Awning

ELECTRIC

Batteries	3 x 100ah 12v AGM Batteries
Solar	3 x 100 watt solar panels with Renergy 30 amp solar charge controller
TV	12v capable TV with exterior mounting bracket and Antenna
Lights	Interior & Exterior 12v powered LED Lights
Shore Power	30 amp shore power connection & cable
Stereo	12v Stereo with interior & exterior speakers, Bluetooth & direct connection, CD and Radio

WATER

Potable Water Capacity	63 gallons (spread across 2 tanks)
Grey Water Capacity	17 gallons
Black Water Capacity	10 gallons
Water tank guard	Checker plate
Water system	1 x 12v electric pump
Hot Water	Truma Combi Heater and Hot Water System (runs off propane & 12v) provides hot water to the outdoor kitchen sink and the indoor bathroom sink and shower

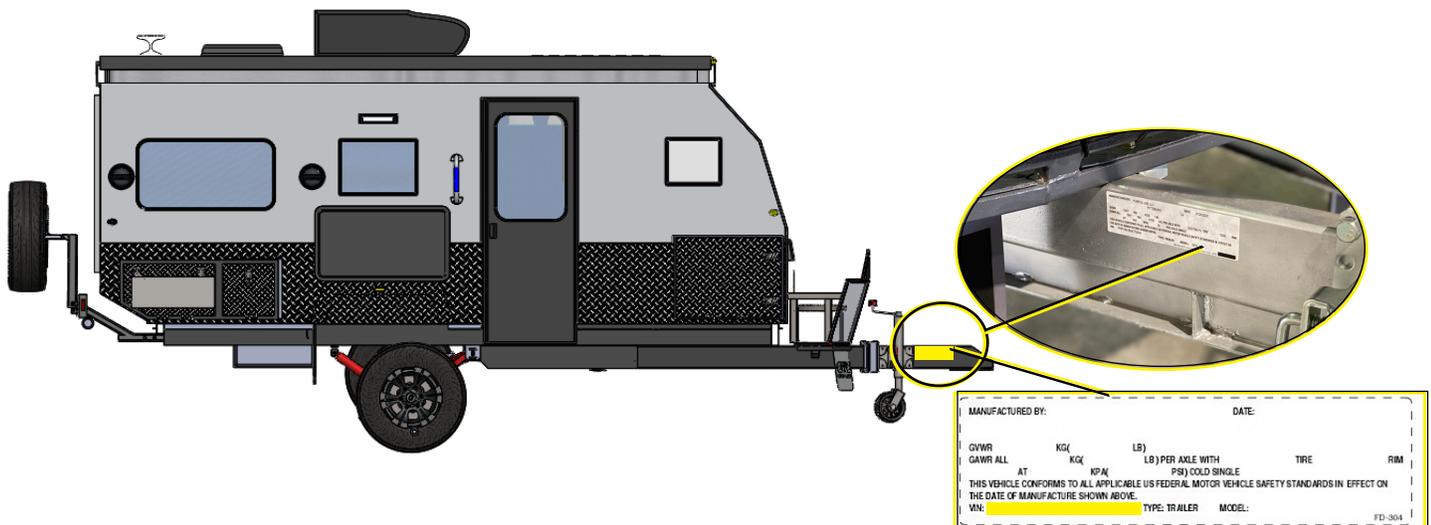
INTERIOR

Seating/Dining	Leatherette Seating with adjustable pivot position table
Furniture	Premium Bamboo Interior Cabinetry and wardrobe
Bathroom	Ensuite with premium shower, sink and chemical toilet
Heating	Truma Combi Heater and Hot Water System (runs off propane & 12v)
A/C	Dometic 13,500 BTU 120v A/C

VIN

VIN NUMBER

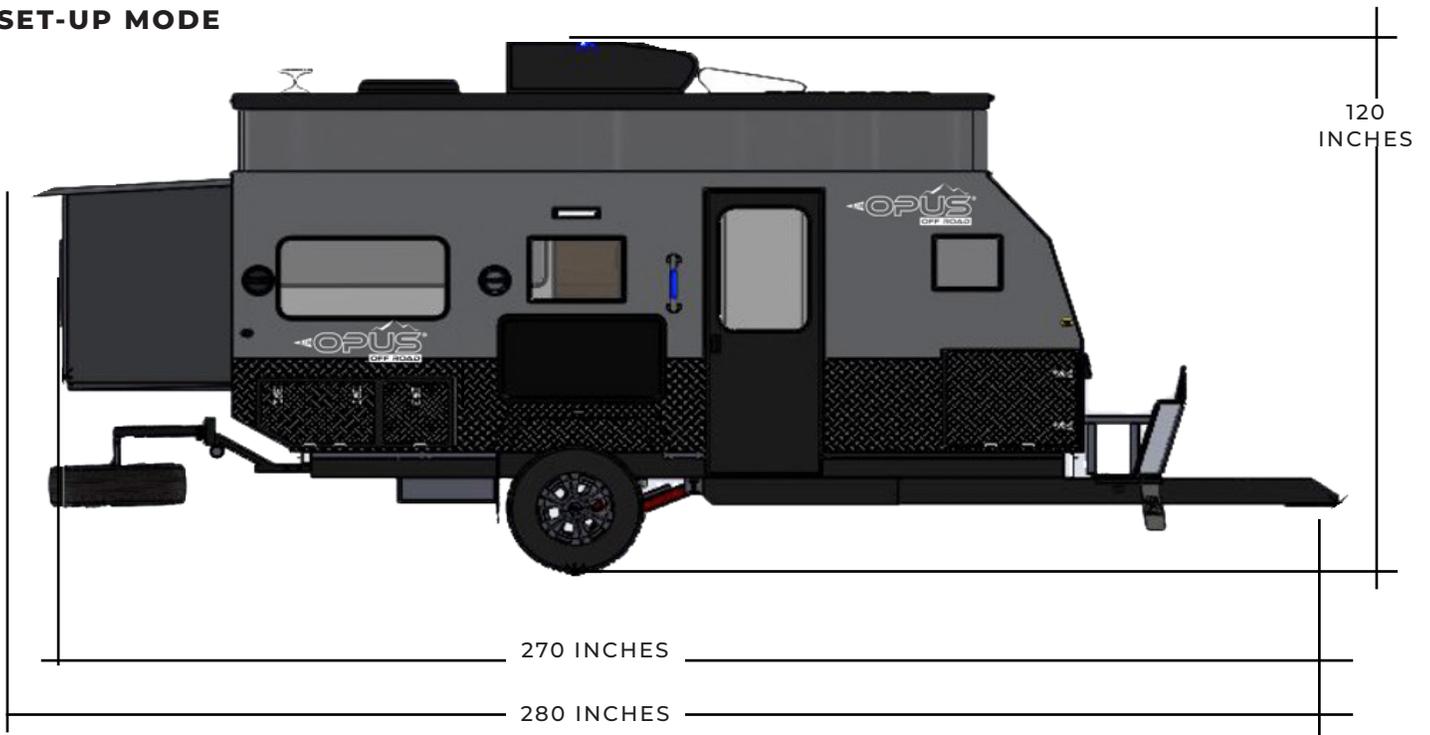
Every OPUS® has a Vehicle Identification Number (VIN). The VIN Plate can be found on the exterior of your OPUS® to the right of the door. We recommend making a note of your VIN in the template as shown. This will be required by insurance companies.



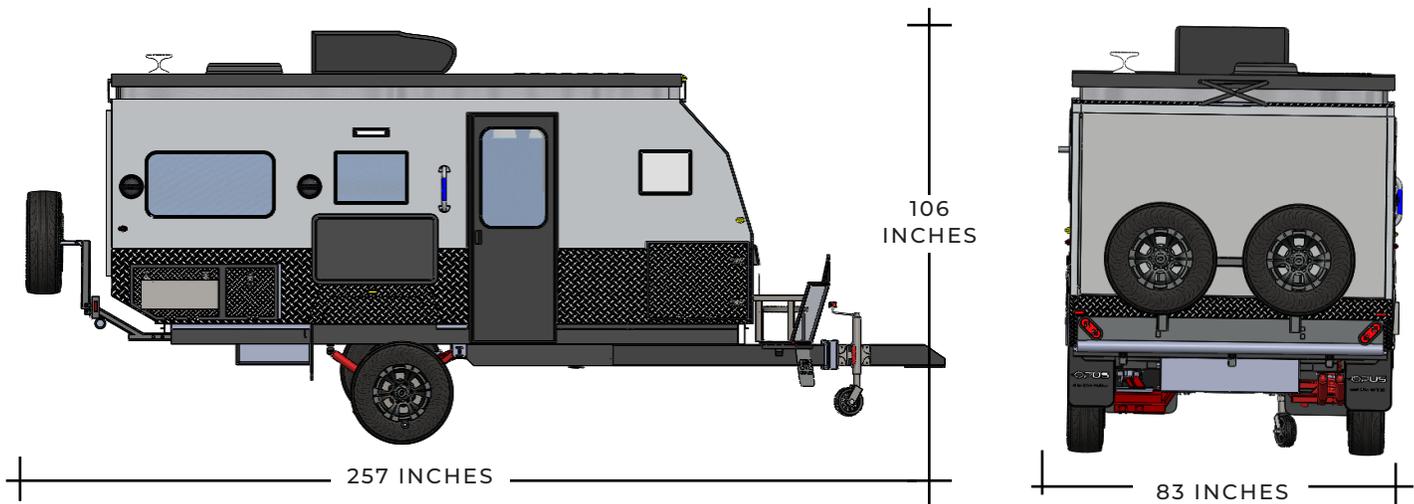
DIMENSIONS

Dimensions (Travel Mode)	257" (L) x 106" (H) x 83" (W)
Dimensions (SetUp Mode)	280" (L) x 120" (H) x 154" (W) with kitchen fully extended
Ground Clearance	14"
Bed Mattress Size (Main Bed)	72" (L) x 70" (W) x 8.5" (H)
Bed Mattress Size (Bunks)	Bottom: 80" (L) x 42" (W) x 3" (H) Top: 80" (L) x 33" (W*) x 2" (H)

SET-UP MODE



TRAVEL MODE

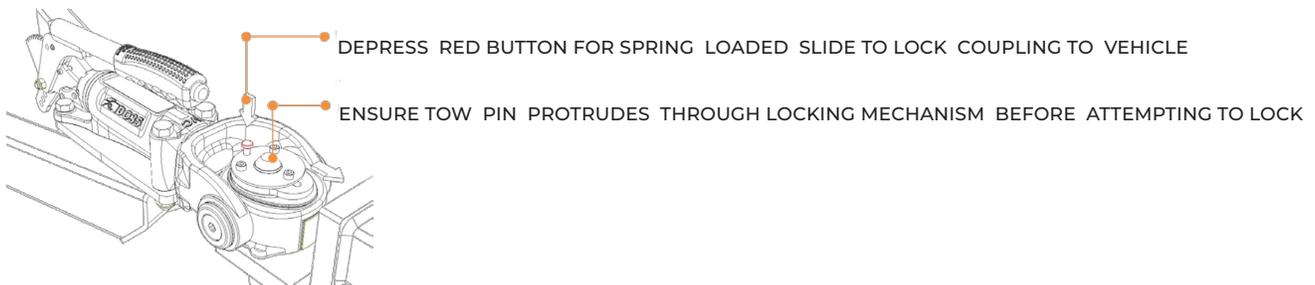
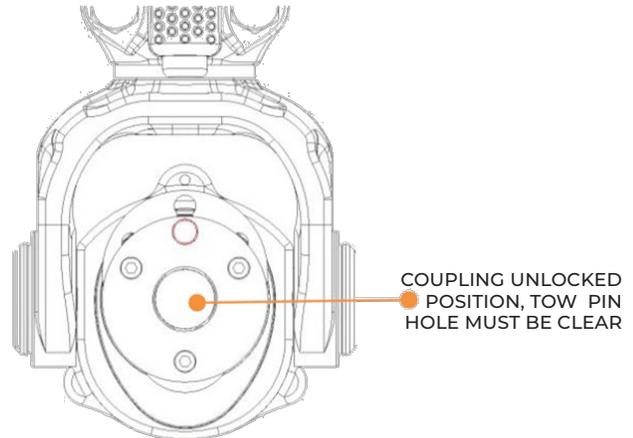


ABOUT YOUR HITCH

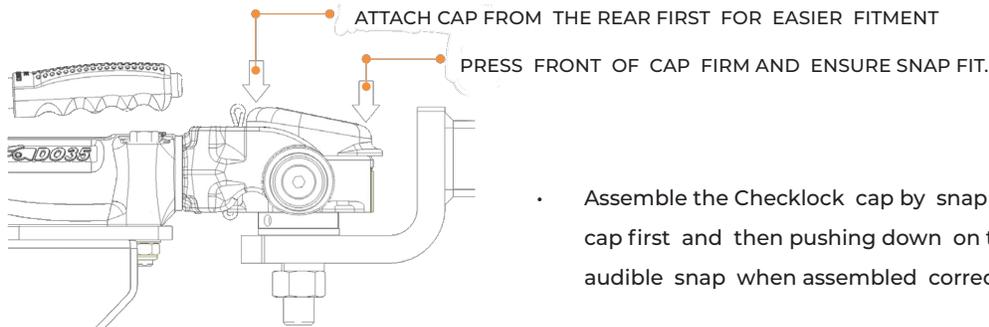
DO35 CRUISEMASTER

For coupling the DO35 to your vehicle, we recommend the following:

- Ensure Tow Pin Cover is removed from Tow Pin.
- Make sure Tow Pin and Universal mating surfaces free of sand, dirt and foreign objects, and is lightly lubricated.
- Raise height of trailer coupling above vehicle Tow Pin by adjusting Jockey Wheel or Stand.
- Push and hold Lock Button down (push the Lock Plate to full open position until the Lock Button is able to spring back)



- Align Coupling over Tow Pin by moving either vehicle or trailer, and lower coupling onto Tow Pin. Ensure that Universal is fully seated on Tow Pin; Ensure Tow Pin protrudes through locking plate.
- Push the Lock Button to release the plate into the locked position.



- Assemble the Checklock cap by snapping in the back edge of the cap first and then pushing down on the front. The cap will emit an audible snap when assembled correctly.



VEHICLE SIDE HITCH



PROTECTIVE COVER



DO35 CRUISEMASTER HITCH



SARACEN DO35 HITCH LOCK

OP15 QUICK SET-UP TIPS

We strongly recommend that you review the OPUS OP15 User Manual thoroughly before setting up your OP15 for the first time. This quick set-up guide is intended as a supplementary reference guide with a summary overview of the steps involved in setting up your OP15 Caravan

STEP 1

Apply e-brake, lower the tongue jack & lower the corner steadies to level your trailer. Fold down the spare tires. Disconnect the roof latches.



STEP 2

Open rear panel securing locks & lift the back panel to the roof. Pull & rotate side panel securing spring bolt.



STEP 3

Unlock the rear bed fold-down section & fold down the bed section. Lift the rear end wall panel in place and secure with pins & latch clamps.



STEP 4

Slide out the kitchen and connect the water and gas quick-connects.



STEP 5

Open & latch the door. Turn on trailer power and lights. Fold down the steps. Inside, fold down the main bed mattress



STEP 6

Pull out securing pins for BOTH the front & rear hybrid roof, lift interior roof-lift bars front end first then rear end. Slide securing pins in place.





SAFETY CHAINS



DC-DC CHARGE CONNECTION



7-PIN PLUG



LEVEL



ELECTRIC BRAKES



DO35 HITCH

ABOUT YOUR ELECTRICAL PLUG

7 PIN The OPUS® is fitted with a 7-pin flat plug that connects all the exterior trailer running/brake/turn lights and the electric brakes to the towing vehicle. You will require a 7-pin connection on your tow-vehicle as well as an in-car electric brake controller installed in your tow vehicle to operate them.

ABOUT YOUR DC-DC CHARGE CONNECTION

Your OP4 comes with a DC - DC charge connection prewired to the front of the chassis if you choose to install the DC-DC power option.

INSTALLING YOUR SAFETY CHAINS

The OPUS® is fitted with 2 safety chains on the tongue. One end of the chain is fitted to the OPUS® chassis and the other end has an attachment clip which should be attached securely to your tow vehicle bumper or receiver.

- Ensure the clips on the hooks are in place to fully secure the hooks.
- Do not attach the hooks to the hitch itself.
- Ensure that you have enough slack in the chains to turn your vehicle adequately.
- Should you require less slack, the chains can be twisted or crossed below the tongue before connecting to your vehicle to ensure the chains do not drag on the ground.

ABOUT YOUR BRAKES

The OPUS® is fitted with electric trailer brakes. You need an electric brake controller fitted to your car in order to tow the OPUS® and operate the electric breaks safely. Failure to tow with a brake controller in your vehicle is both dangerous and illegal. You can tell if your brakes are working properly by connecting the 7-pin plug, starting the engine of the tow vehicle and then getting someone to listen to the brake hub whilst another person applies the brakes in the tow vehicle. If they are working correctly you will here a low humming sound as the brakes are applied.

BRAKE MAINTENANCE

As part of the annual service check you should have completed by an accredited industry service agent, the brakes will be checked and maintained.

TOWING

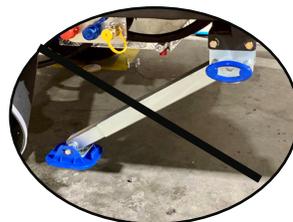
The driver of the tow vehicle must ensure that their Driving License is valid for towing the OPUS® Camper. It is highly recommended, particularly if you are not experienced in towing that you adhere to any applicable laws for the state in which you are driving. Many guides are available from leading associations and should be studied before you embark. Trailer towing laws are different in each state. No matter where you are in the U.S., the following features are recommended safety equipment for trailer towing:

- * Lights: Your trailer lights must be maintained in working order for basic road safety.
- * License plate light: Make sure to clearly display your license plate
- * Reflectors: These are an invaluable precaution to keep your large trailer visible.
- * Flares: Keep these at hand to clear off a section of the road after an accident.
- * Tie-downs: If you are loading anything on a trailer that could possibly fall off, you'll need tie-downs to secure it at multiple angles.

STABALIZER LEGS

The four stabilizer legs are not designed to hold the weight of the trailer and should not be used to level your OPUS. Do not release the stabilizer legs until your unit is properly level, you can then lower the legs to provide stabilization on all for sides of the camper.

IMPORTANT! Support the stabilizer leg at all times as you lower it to prevent the bolts from slamming down & breaking the bolts



CONTROL PANEL

FUNCTIONS:

1. Power ON/OFF Button
2. Battery Level Indicator
3. Voltage Meter
4. Amp Meter
5. Front Water Tank Level Gauge
6. Rear Water Tank Level Gauge
7. Black Water Tank Level Gauge
8. Grey Water Tank Level Gauge
9. Fridge Outlet Power Button
10. 12 Volt Socket Power Button
11. Lights Power Button
12. Water Pump Power Button



CONTROL PANEL QUICK TIPS

- The Volt Meter – Measures the current battery voltage output. Most appliances will require at least 12.2v from the batteries otherwise they will not work.
- Amp Meter – This shows how many Amps you are currently using. The OPUS® has 2 x 100ah AGM batteries. This gives you 100 usable amps for off-site power.
- Battery Indicator – This shows the total capacity remaining in your batteries. If you are showing 50% on your battery meter then your batteries will not put out the 12.2v required for most accessories to operate.
- Ensuring you keep a close eye on all 3 gauges will help to make sure you are fully informed on the current performance of your 12v battery powered electrical system.

VOLTAGE METER

- The Upper Number shows what Voltage (power level) the batteries are currently reading. It is the strength of the current flowing from the batteries.
- If this number were to drop beneath 12.0v with no load (i.e. no accessories running on the OPUS®) then it is highly likely all the appliances inside your camper would stop working as the batteries are not able to put out enough voltage to keep these appliances running.
- Do not take a reading when an appliance, such as a fridge, is running. It will give a false reading. Voltage may appear below 12.0 if the batteries are under load (fridge is actively running).
- The lower number shows the quantity of energy you are currently utilizing from the batteries.
- If you imagine a water tank holding 100gallons and you drain 4 gallons an hour (gallons would represent amps), then you can tell how quickly under current usage conditions your batteries will be fully drained.
- Remember your appliances all cycle at different rates so this number becomes very important for estimating battery life.

UPGRADED TO LITHIUM BATTERIES? PLEASE REFER TO THE MANUFACTURER'S RECOMMENDED

STEP 1

Once you have positioned your OPUS® in the desired location, engage the e-brake. Try to choose a site that is as level as possible and where the ground is not too soft.

STEP 2

You can now un-hitch from your tow vehicle if you choose. The lock'n'roll two part hitch can be disconnected by removing the locking pin and unhooking the two hook plates (see page 10 for more information on your hitch)

STEP 3

Raise or lower the tongue jack wheel to level your OPUS® Horizontally.

STEP 4

To drop down the corner steadies, pull the blue handle outwards until the leg drops down to a 90 degree angle from the trailer. Using the included corner steady winder (or cordless drill/driver with a 3/4" Hex socket attachment) wind down each corner steady leg until it touches the ground. Depending on the terrain, you may need to adjust each corner to level the OPUS® width ways.

STEP 5

Disconnect the four roof securing latches; Use your thumb to push in the release pin (see 5b & 5c below) then lift the handle to release the latch from the hook completely.

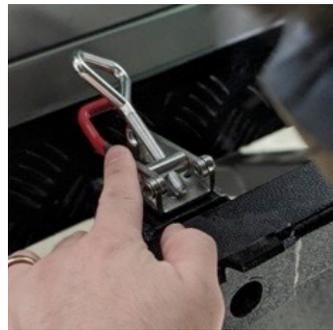
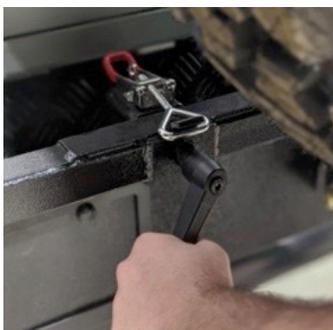


STEP 6

At the back of the OP15 un-screw the black spare tire securing bolts until they can be removed from the hole completely.

STEP 7

Disconnect the spare tire securing latches using the red lever handle. Fold the handles & triangle pin downwards so they're out of the way of the rear panel. Fold down the spare tire bracket; the arm is gas-strut assisted to help with the weight. Fold the bracket down as far as it will go.



STEP 8

Use the push-buttons to open the rear panel securing locks. Lift the back panel upwards to the roof position.

WARNING

Please note that this panel will not yet remain in this position without completing the next step.

SETTING UP YOUR OPT5

STEP 9

Using one hand or a helper to hold the roof panel up, pull and rotate the spring bolt that secures the side panel until it is in the vertical position. This will allow the side panels to swing outwards.



STEP 10

Open the left side panel fully through 90 degrees, ensuring the panel meets the top left corner groove of the roof panel to complete the set-up and achieve a full seal. Repeat with the right side panel.

STEP 11

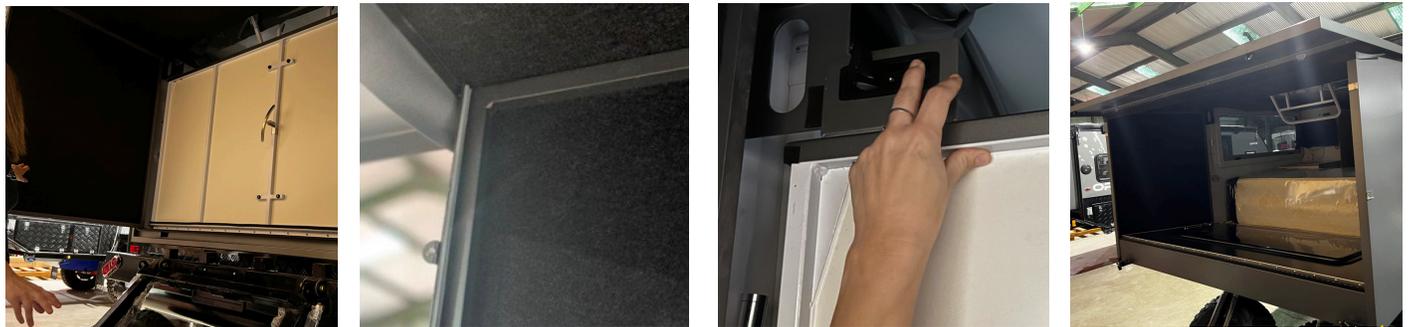
Holding the bed panel securely, release the two rear bed panel securing latches and fold down the bed panel.

WARNING

Please ensure you or a helper are holding the fold down bed panel before releasing the latches as this panel can shift if you are on any incline or the camper is not completely level. Failure to support the panel fully at this point could result in serious injury or damage to the trailer.

STEP 12

Carefully lower the rear bed panel into the horizontal position.

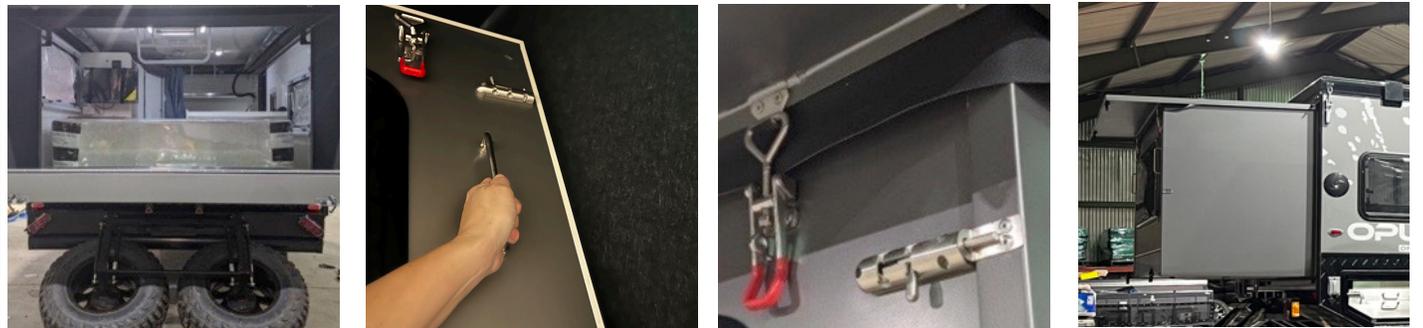


WARNING

Please ensure you or a helper are holding the fold down bed panel before releasing the latches as this panel can shift if you are on any incline or the camper is not completely level. Failure to support the panel fully at this point could result in serious injury or damage to the trailer.

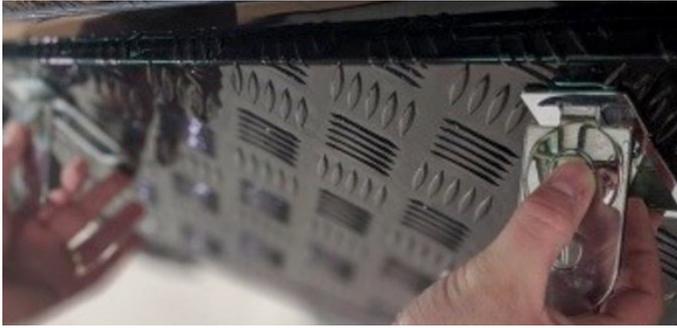
STEP 13

Use the handle to lift the rear end wall panel in place. Slide the two locking pins in place and then secure with the latch clamps.



STEP 14

Open the two push-button latches and fold down the kitchen door. Unhook the two locking spring-bolts and slide your kitchen out. Quick-connect your water and gas at the kitchen connection points and the quick connects on the side of the OP15. Please see the sections on Gas System, Water system and the Kitchen for more information on setting up the kitchen.



STEP 15

Route your sink drainage hose out of the bottom of the kitchen and into your designated grey water carrier.



STEP 16

Open and latch your OP15 entry door. Turn on the power located in the control panel on the right entry and switch on lights.



STEP 17

Pull out the securing pins for the front and rear lifting mechanisms.



STEP 18

Use the interior roof lift bars at the front and rear of the OP15 to push the roof up into place. Slide the securing pins for the roof lifting mechanism into place to secure the roof.

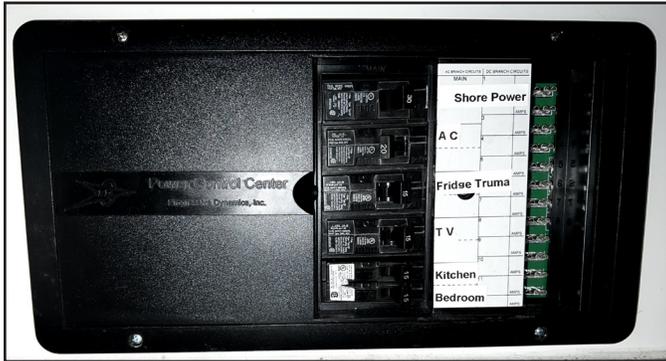


120 VOLT SHORE POWER

BREAKER / PANEL

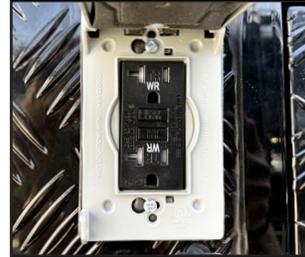
The OP15 comes fitted with a 120-volt power system. This 120 Volt power system complies with NFPA and NEC regulations. The hookup for the 120v is located outside on the driver-side of the OP15. The main circuit breaker panel is located inside the OP15 in the footwell under the master bed. If you're experiencing issues with your power the first time you use your trailer check the breakers as they might be turned off in new units.

Always ensure you have clear access to the circuit breaker panel and that it is not blocked at any time.



3-PIN SOCKETS

There are two internal dual 3-pin 120v outlets with USB sockets and one exterior dual 120v outlet. There's a third located in the fridge compartment of your OP15.



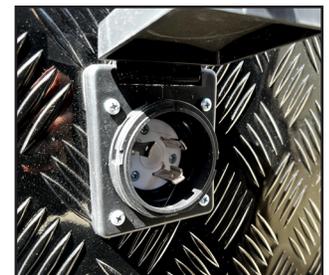
RUNNING YOUR A/C

Ensure your A/C system is turned off if you are not connected to a 120v power source. You cannot run the A/C system off your batteries as it WILL DRAIN YOUR BATTERIES in a very short period of time. In addition, your A/C system has a high wattage requirement to startup which your batteries cannot supply which may lead to damage to both your batteries and your A/C. For more information on using your A/C system please see the A/C section of this manual. There are no other 120v appliances or systems built into the OP15 as standard.



SHORE POWER HOOK-UP

The exterior shore power hookup is located on the driver's side at the front of the OP15. Your OP15 comes supplied with a 30 Amp shore power cable and pigtail connection for both campsite and home outlet connection. Ensure proper maintenance of the power cord and pigtail accessory items. Always use a Listed and approved 30 Amp cable and adapter and a grounded power source. Never use an extension cord. DANGER! Due to the potential danger to ignore this warning, the recreational vehicle manufacturer cannot be held responsible should damage, injury or death result from failure to connect the power cord to a properly grounded power source.

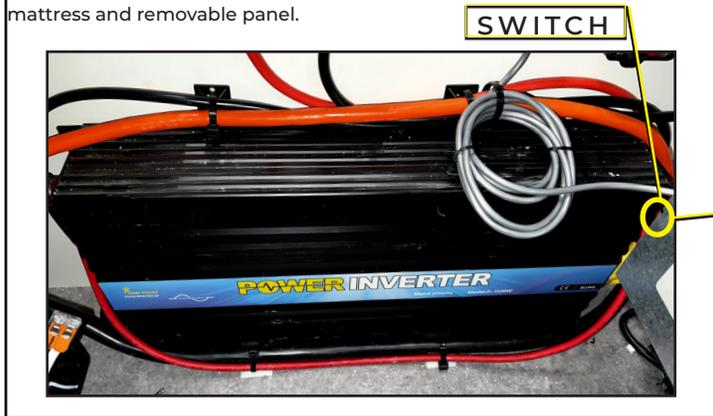


GENERATOR (recommendation): If you are using a generator, we recommend a minimum size of 3500KW.

INVERTER 12v to 120v CHANGEOVER

SWITCH LOCATION

Your OP15 has a 12v to 120v changeover switch and inverter installed located in a compartment under the master bed, accessed by lifting the mattress and removable panel.



TURNING ON INVERTER

To turn on your inverter, make sure the power button on the side of the inverter is turned on.



NO 120V POWER SOURCE

If you are not connected to a 120v power source (either a shore power connection or a generator) the inverter will AUTOMATICALLY begin converting 12v current from your batteries to 120v to supply any connected appliances connected to the 120v outlets.

RESERVE YOUR 12V BATTERY

To reserve your 12v battery power we recommend unplugging all 120v appliances if you are not connected to the 30amp shore power hook-up (unless you are using them). These power-hungry appliances will deplete your batteries very quickly (even with the solar-assisted charging) so we recommend using this functionality sparingly.

MONITOR YOUR AMP METER

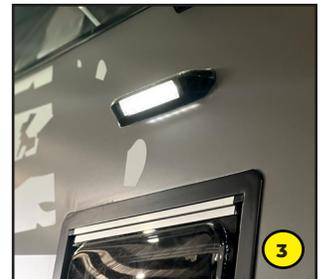
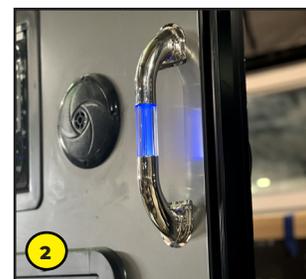
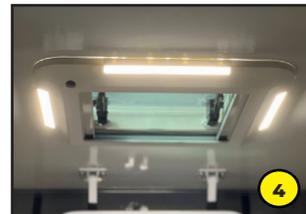
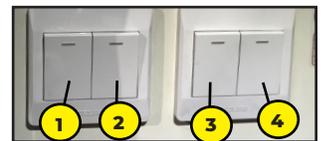
Please pay close attention to your amp meter if you are running a 120v appliance via the inverter; try plugging each appliance in separately to check its amperage draw to help you better understand and manage your power supply.

On the control panel you will find the main 12v ON/OFF switch. There are separate switches for the following 12volt operated appliances and systems in the OP15: Fridge, Sockets, Lights, Water Pump.



12V OUTLETS & LIGHTS

- 2 OUTLETS ON THE INTERIOR
- 2 OUTLETS ON THE EXTERIOR
- 1 EXTERIOR SOCKET BY THE KITCHEN



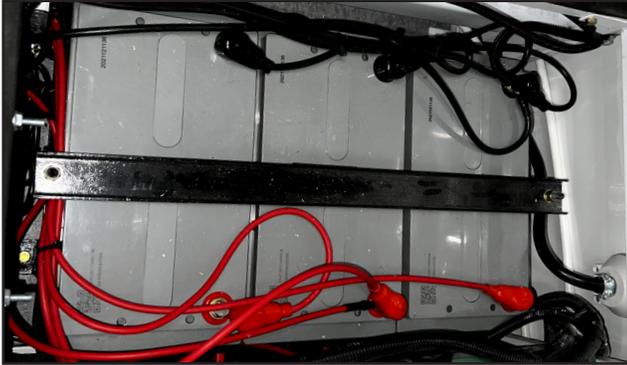
UPGRADED TO LITHIUM BATTERIES:

SEE THE MANUFACTURER'S RECOMMENDED BATTERY MONITORING APP FOR THE MOST ACCURATE BATTERY INFORMATION

12 VOLT BATTERY POWER

MONITORING YOUR BATTERIES

The OP15 has three 100ah deep cycle marine batteries installed as well as a fully automatic battery charge controller system. The Charge Wizard allows you to control your charge levels. You will need to charge your batteries for at least 24hrs prior to each trip using a 120volt shore power connection to ensure that they are fully charged. The main control panel has a battery volt-meter that will provide an indication of the charge level of your batteries. A fully charged battery bank will be indicated by a full battery symbol and the voltmeter reading around 13.7volts .



CAMPING OFF-GRID NO 120V SHORE POWER

If you are camping off-site without 120volt power then the length of time that your batteries will last will depend on how much 12volt energy you use, how much solar power you are generating to recharge the batteries (see below "Solar Power" Section), the 'health' or condition of your batteries and in some cases the ambient temperature. Your control panel will show you how much power you are using and how much remaining power is in your batteries to help you manage your power consumption.



CAMPING WITH 120V SHORE POWER CONNECTION ON-SITE:

If you are at a campsite with shore power then we recommend connecting for the duration of your stay to keep your batteries fully charged.

BATTERY TIPS HOW TO AVOID DAMAGE

ABOUT YOUR AGM BATTERIES

You have a 300 amp battery system. AGM batteries can reliably put out over 12.0v of power for 50% of their capacity. Most 12v appliances will require a 12volt output from the batteries to work. This means you have 150 usable amp hours from a fully charged set of batteries. The indicator on your control panel will show you how much total energy you have in your entire battery bank. This means that when your indicator shows 50% you have used all the usable power within your battery bank. If you continue to drain power from your batteries beyond this point it can (and will most likely) cause damage to your battery bank and some appliances will not work anymore.

BATTERY BANK / USABLE POWER

The battery indicator on your control panel will show how much energy is left in your battery bank. It is important to note that it does NOT explicitly show how much USABLE power is left in your batteries.



CONVERTER BATTERY CHARGER & CHARGE WIZARD

AGM battery lifespans are longer when they remain at full charge. Frequently discharging your batteries and leaving them empty will accelerate the degradation process of your batteries and reduce their lifespan. The Converter Battery Charger & Charge wizard installed in your OP15 will control the amount of charge delivered to your batteries so that they do not over charge, therefore we recommend leaving your OP15 always plugged in at home where possible.



BATTERY TIPS CONTINUED

CO/LP ALARM

The CO/LP alarm is wired directly to the batteries. This means that turning the power to the OP15 off on the control panel will NOT shut power off to the CO Alarm. Please follow the winterization process for battery care to ensure you are fully disconnecting the batteries during long periods of storage.

I KEEP HEARING BEEP! BEEP! BEEP!

The LP / CO detectors might go off from lack of air reaching the sensor. To override the beeping, you must remove the fuse shown DO NOT FORGET to return the fuse to the correct operating position before using your trailer.



STORING YOUR BATTERY

If you are not keeping your OP15 plugged in whilst at home, we recommend that you disconnect your batteries to maintain good battery health. Please see the care and maintenance section for more information on this topic.



PRESERVING YOUR BATTERY ON THE ROAD

Always set your fridge to 'LO' before heading out on your trip and bring your fridge down to the 'LO' temperature using an outlet in your house. This will use less power from your battery and allow you longer off-site camping.



SOLAR POWER ROOF PANELS & CHARGE CONTROLLER

300 WATT SYSTEM ON ROOF

There are three 100-watt solar panels mounted to the roof of the OP15 with a 30amp solar charge controller installed. During the day with adequate sunlight, the solar panels will automatically trickle charge your batteries. We recommend reading the user manual for your solar panels & charge controller in full to understand the capabilities and settings for the solar panels and charge controller



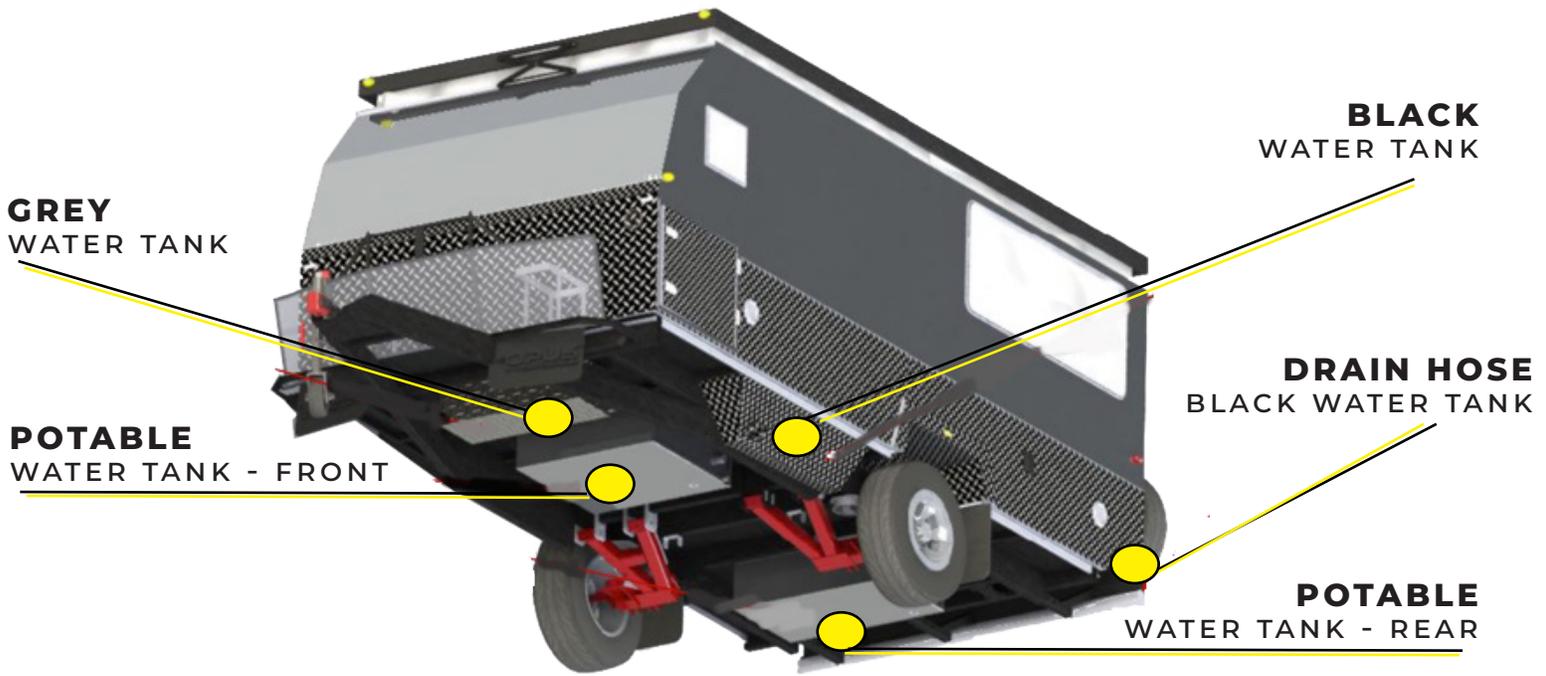
MONITOR SOLAR POWER ADVENTURER

It is important to understand that the amount of power generated by your solar panels will vary greatly depending on the amount and direction of sunlight, time of day and ambient temperature. We recommend monitoring your solar generated power to understand how much you are generating while using your battery power on extended trips.



WATER SYSTEM

4 TANKS TANK LOCATIONS



POTABLE WATER SYSTEM

POTABLE WATER TANKS

The OP15 is fitted with two 31 gallon fresh water tanks mounted under the OP15 towards the middle and rear of the trailer. The water tanks have two fill points located on the driver-side of the OP15 and identified by a blue water faucet icon.



WARNING

Only potable water from a reliable source should be used in these tanks. Do NOT store water in the tanks for more than two weeks. Please ensure you sanitize, flush and drain the water tanks before using and a minimum of every 6 months thereafter or if you suspect there's an issue with the quality of your water. Do NOT use bleach to sanitize the tanks as they are stainless steel and it will cause corrosion. Please see the OPUS Care & Maintenance section of this manual for more information on sanitizing your water system. Failure to maintain your tank can result in death or serious injury.

12v WATER PUMP

Your water system is connected to the 12v water pump which can be switched on via the main control panel. Your two potable water tanks may be used to supply water to the bathroom including the shower and sink as well as the kitchen sink. The potable water tanks also supply water to the Truma hot water system AND the flushable toilet (see each section on the following page for more information on these systems). The water pumps are pressure operated, so once the main power switch is turned on at the control panel the pump will prime the system and as soon as you turn the tap on the water will flow. Once the tap is closed, the pump will turn off until the tap is turned back on.



WARNING

Please turn off your pump at the main control panel when the water system is not in use as they will continue to use battery power when they are turned on but not in use. Do not run your water pump when the tanks are empty as this could cause the damage to the water pump and circuit.

WINTERIZING YOUR WATER TANKS:

POTABLE WATER SYSTEM CONT

MONITOR YOUR WATER GAUGES

You can use the water gauges on the main control panel to check the water levels in each tank. The tanks are gravity filled and included with your OP15 is a potable water fill hose which should also be sanitized regularly. It is important to monitor the water levels in your tanks. When your water tanks are empty please turn off your water pump. Running your pumps without water in the tank will cause your water pumps to burn out. Please see the Troubleshooting section for tips if you are not able to draw from your potable water tanks.



SELECTING A WATER TANK

You can set your water pump to draw from EITHER the front OR the rear tank OR from both tanks. To do this, locate the selector lever located under your OP15, behind the driver-side wheel. You will see a blue lever at a junction of three water pipes. To select the FRONT tank, move the lever through 90° towards the F marking in the direction of the rear of the trailer. To select the REAR tank, move the lever towards the R marking in the direction of the front of the trailer. To select BOTH tanks move the lever to the center of the markings, so that the red arrows line up with the three water pipes.



WARNING

Please note if either of your water tanks is EMPTY please move the selector to the other tank and do not leave it on BOTH tanks.

DRAINING YOUR POTABLE WATER TANKS

Located on each potable water tank you will find a draining valve at the lowest point of the tank. When packing away the OP15 complete the following process to drain the system of any excess water.

- A. SWITCH OFF THE PUMP ON THE MAIN CONTROL PANEL
- B. OPEN THE FAUCET & ALLOW THE EXCESS WATER IN THE PIPE TO DRAIN
- C. CLOSE THE FAUCET ONCE ALL OF THE WATER HAS DRAINED.
- D. DISCONNECT EITHER SIDE OF THE QUICK CONNECT
- E. ENSURE THE SINK IS EMPTIED AND THAT THE WASTE WATER DRAIN HOSE IS EMPTY BEFORE FOLDING IT BACK INTO THE KITCHEN. PLEASE REFER TO THE STEPS IN THE CARE AND MAINTENANCE SECTION OF THIS USER MANUAL FOR MORE INFORMATION ON DRAINING AND PREPARING YOUR TANKS FOR STORAGE.



GREY WATER SYSTEM

GREY WATER TANK

The OP15 gray water tank has a capacity of 17 gallons and is the front most tank on the underside of your trailer. It collects the gray water from your shower and bathroom sink. Please note that your kitchen sink does not drain into the gray water tank. Please visit the Kitchen section of this manual for more information on the kitchen sink drain. You should continually monitor the fill level of your gray tank using the gauge on the main control panel during use. We recommend emptying your gray tank when it is around 3/4 full. You will find the gray water drain outlet on the gray water tank. Please remember to dispose of gray water safely at dumping stations or other permitted outlets.



STORING YOUR GREY TANK

Only liquid run off from the shower and sink should be drained into your gray water tank. No other liquid is permitted to be drained into the gray tank. It is important to regularly clean your gray water tank as a build up of grease, dirt and soap scum can impact the function of the tank and cause odor. Please see refer to the OP15 Care and Maintenance section of this manual for proper cleaning steps and for cleaning and draining prior to storage. Do NOT use bleach to clean your gray water tank.

BLACK WATER SYSTEM

BLACK WATER TANK

The OP15 black water tank is located towards the front of the trailer on the lower edge of the driver's side. It can be identified by the black tank drain valve. The capacity of the tank is 10 gallons and the fill level can also be monitored using the gauge on the main control panel.



EMPTYING THE TANK

We recommend emptying your black tank when it is at least 1/2 to 3/4 full and after every camping trip. Emptying your tank sooner may result in solid waste being left behind in your tank; a fuller tank allows more opportunity for breakdown of solid waste. All waste from the OP15 toilet is collected in the black tank so please take caution when emptying to avoid contact with waste which can carry harmful bacteria. The black tank must ONLY be disposed of in designated dump stations. At the rear of the trailer is a holding tube for the black tank drain hose.



Located on each potable water tank you will find a draining valve at the lowest point of the tank. When packing away the OP15 complete the following process to drain the system of any excess water.

- A. Switch off the pump on the main control panel
 - B. Open the faucet & allow the excess water in the pipe to drain
 - C. Close the faucet once all of the water has drained.
 - D. Disconnect either side of the quick connect
 - E. Ensure the sink is emptied and that the waste water drain hose is empty before folding it back into the kitchen. Please refer to the steps in the care and maintenance section of this user manual for more information on draining and preparing your tanks for storage.
- A. Remove the black tank hose from the storage tube by twisting the cap off
 - B. Connect the drain hose to the drain valve by twisting on to receiver hooks
 - C. Ensure the other end of the drain hose is directed into the appropriate dump point.
 - D. To empty, pull the valve to open.
 - E. Leave the valve open until you can no longer hear liquid waste draining then close the valve completely. Close the valve at this point

BLACK TANK TIPS

You can also use Formaldehyde-free black tank treatments such as the Camco TST Drop-ins to help breakdown waste and prevent odors. If you are on-site camping and connecting to a campground sewer we recommend keeping the tanks drain valve closed until you need to drain to assist in purging the tank of solid waste. Please see the 'Bathroom' section of this manual for more information on using your toilet.

WARNING

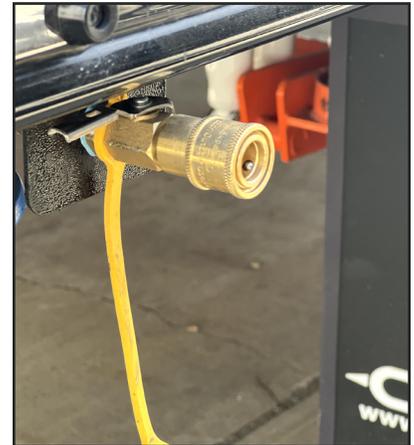
Do NOT leave waste in your tank during storage. Always remember to close the drain valve after draining the black tank and before removing the drain hose. Your drain hose should also be regularly cleaned and sanitized. Do NOT use bleach to clean your black water tank. Please see the care & maintenance section for further details on properly cleaning & sanitizing your black tank.

WINTERIZING YOUR WATER TANKS:

SAFELY OPERATING YOUR GAS SYSTEM

The OPUS is fitted with a mount for 2x 20lb. Gas bottle. This bottle is to be connected to a gas regulator and turned off when the gas is not in use.

- **STEP 1.** To install a gas cylinder, place the gas bottle in the holder and use the provided clamp to hold the cylinder in place. Adjust the fit if necessary by turning the threaded triangle bolt. Ensure that you have the correct gas hose to connect the gas cylinder to the fixed gas regulator; your OP15 comes with a regulator-to-gas bottle pigtail hose which should be compatible with most US standard propane bottles.



- **STEP 2.** Once connected to the propane bottle, the gas tap/valve on the top of the gas bottle can now be opened.

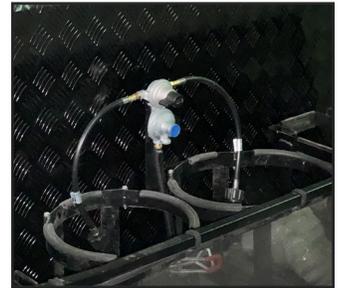
- **STEP 3.** To connect the gas system on the kitchen; stowed under the sink there is a gas hose fitted to the stove that has a quick connect on the other end. Thread the gas hose through the aperture under the kitchen and connect to the gas quick connect on the side of the OP15. Turn on the gas tap on the gas quick connect on the side of the OP15 by turning 90° so that it is parallel with the fixture.



- **STEP 4.** To operate the gas stove; lift up the stainless steel lid, turn on one of the burners (push in, turn and hold to ignite). Keep pressing the button until the gas has had time to fill up the system and the burner will ignite. You may need to hold the button in for up to 10 seconds before ignition to overcome the accidental ignition safety precaution in-built in the hob. Do NOT lean across the burners to reach the stove controls. When the stove is not in use, please ensure the gas is turned off at the quick connect valve on the side of the OP15 and at the gas bottle.

- **STEP 5.** Ensure that the gas bottle valve is closed prior to packing up the OP15 for transit or storage, the quick connect valve on the side of the OP15 has been closed and that the gas hose has been disconnected from the side of the OPUS and carefully stowed inside the kitchen. Please make sure that the gas hose is fully inserted into the kitchen before sliding the kitchen into the storage compartment. Failure to do so can lead to the gas hose getting caught in the runners which can lead to damage.

- **WARNING:** Do not use any other gas systems than those provided with the OP15. Always turn off the shut off valve IMMEDIATELY after use.



PROPANE (LP) / CARBON MONOXIDE (CO) DETECTOR

Your OP15 comes fitted with a propane (LP) / Carbon Monoxide (CO) detector installed is directly wired to the battery. Please read the user manual supplied for the detector to fully understand correct usage. If the Propane or Carbon Dioxide warning alarm sounds, evacuate the trailer immediately and, if safe to do so, close off and fully disconnect the propane tanks. Do not touch any electrical switches. Follow proper and safe steps to ventilate the trailer and await for the alarm to stop before returning to the trailer then disconnect the 120v shore power connection and turn off the 12volt power. If you suspect any chance of a propane leak, fully disconnect the propane tanks and make an appointment to have your OP15 serviced with your dealership. Do not use any other gas systems than those provided with the OP15 . Always turn off the shut off valve IMMEDIATELY after use.



WARNINGS

Warning! Do not place propane cylinders inside the vehicle. Propane cylinders are equipped with safety devices that relieve excessive pressure by discharging propane to the atmosphere. Propane gas is highly flammable. Can lead to a fire or explosion and result in death or serious injury.

Danger! Do not use gas cooking appliances for comfort heating. Can lead to carbon monoxide poisoning, which can lead to death or serious injury.

Warning! Gas cooking appliances need fresh air for safe operation: before operating: open vents or windows slightly or turn on exhaust fan prior to using cooking appliances. Gas flames consume oxygen, which should be replaced to ensure proper combustion. Improper use can result in death or serious injury.

Warning! Do not fill propane container(s) to more than 80 percent of capacity. A properly filled container contains approximately 80 percent of its volume as liquid propane. Overfilling propane container(s) can result in uncontrolled propane flow, which could lead to a fire or explosion and result in death or serious injury.

Danger! If you smell propane:

1. Extinguish any open flames and all smoking materials.
2. Shut off the propane supply at the container valve(s) or propane supply connection.
3. Do not touch electrical switches.
4. Open doors and other ventilating openings.
5. Leave the area until the odor clears.
6. 6. Have propane system checked and leakage source corrected before using again.

Ignition of flammable vapors could lead to a fire or explosion and result in death or serious injury.

Warning! When using the outdoor cooking area, the vehicle must be level and stabilized. Do not violate manufacturers' instructions on required clearances for cooking appliances during use. Do not store cooking appliances until cool to the touch. Can lead to a fire and explosion and result in death or serious injury.

Danger! Gas fumes inside a camper trailer could result in unconsciousness, brain damage or even death. Follow safe operating procedure with gas at all times: ensure good ventilation at all times.

Danger! Check the instructions for correct fitment and safe use with the gas cylinder manufacturer/supplier.

Danger! Always ensure that the gas cylinder retaining straps are fitted whenever a gas cylinder is installed in the front locker compartment, even when the opus® is stationary.

Important! Please consult the opus team before completing any repair work on the gas system: the propane system installed includes a 2-stage regulator. The regulator must always be installed with the vent facing downwards.

The regulator is located on the front of the op15. Ensure that the vent for the regulator is not obstructed as blockages could result in excessive propane pressure causing fire or explosion.

The propane system of the camper is designed for use with the supplied stove only; do not use any other gas appliance with it. The propane system is designed for use with propane only. Do not use other forms of gas.

Portable fuel-burning equipment including but not limited to wood & charcoal grills and stoves shall not be used inside the camper due to risk of fire or asphyxiation.

PACKING-DOWNLYOUR OP15

STEP 1

Ensure all windows and skylights are closed and the table is tucked up against the soar area and all cargo is securely stowed. Close all drawers and cupboards, and close and secure the bathroom door.

STEP 2

Stow and secure the TV in the interior mount, in travel mode.

STEP 3

Fold closed the main bed mattress. Stow the additional cushions.

STEP 4

Pull out the securing pins for the front and rear lifting mechanisms. Use the interior roof lift bars at the front and rear of the OP15 to pull the roof down. Slide the securing pins for the roof lifting mechanism into place to secure the roof in the travel position.

STEP 5

Press the circular button on the left of the entry way to retract the electric step. Turn off the power and lights.

STEP 6

Disconnect from your 30ah connection and grey and black water drainage if on-site camping.
21. Always remember to disengage the e-brake before travel!

STEP 7

Close, latch and lock the entry door, prep deck and fridge/ heater storage compartments as required.

STEP 8

Ensure your kitchen sink is fully drained, close off your grey water carrier and stow it. Route your sink drainage hose back into the slide-out kitchen.

STEP 9

Turn off your propane at the tank. Disconnect your water and gas quick connects. Make sure the valves on the side of the OPUS are turned and retracted to the off position. Replace the dust covers as required. Stow the water hoses and retract the gas hose fully into the kitchen aperture.

STEP 10

Retract and stow the support leg, close down the stove lid, disconnect the light from the 12v outlet. Retract the spring bolts and slide your kitchen into the travel location. Lock the securing pins into place. Close the compartment door and lock.

STEP 11

At the rear of the trailer, un-hook the latch clamps on the rear panel and slide open the two locking pins. Use the handle to push the rear end wall panel down into travel mode.

STEP 12

Carefully raise the bed panel into the vertical position and slide the securing latches into place to secure the panel for travel.

WARNING! This panel is heavy especially considering the angle and reach required to hold it. We recommend two people complete this stage of the pack-down together . One person should hold the panel while the other person engages the catches. Failure to support the panel fully at this point could result in serious injury and damage to the trailer.

STEP 13

Using a helper to hold up the roof panel, close both side panels through 90 degrees then pull and turn the spring bolt handle to secure the side panels in place.

WARNING! The roof panel will not stay in place once the side panels are closed. Please enlist a helper to prevent injury.

PACKING-DOWN-YOUR-OP15

STEP 14

Fold the roof panel down and secure the push-button securing locks.

STEP 15

Fold the spare tire bracket up and secure the red-handled latches. Screw in the securing bolts.

STEP 16

Latch down the four roof securing latches. Make sure they are tight when closed and do not move.

STEP 16

Latch down the four roof securing latches. Make sure they are tight when closed and do not move.

STEP 18

Hitch up your trailer. Lower the tongue jack to assist in joining the vehicle side hitch to your trailer side hitch. Once connected, fold the jack up into travel mode. Make sure you lock the hitch in place.

STEP 19

Connect your breakaway cable, security chains and 7-pin cable. Complete your towing pre-journey checks.

STEP 20

Final check that all doors, panels and the roof are secure and locked and everything is disconnected from campsite hookups.

STEP 21

Always remember to disengage the e-brake before travel!

TROUBLESHOOTING

WATER TANKS:

Issue: Water pump is running when all faucets & valves are closed

Troubleshoot: Leak in the system. Identify leaking fitting and attempt to tighten the fitting (usually hand-tight should be sufficient without the need for a wrench which could potentially over-tighten and damage the system. If still leaking, disconnect and check for debris or degrading within the fitting

WATER TANKS:

Issue: Water pump running but no water at faucets

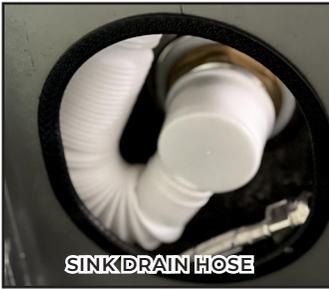
Troubleshoot: No water in tanks? Check for faulty sensor that could be misleading you to think that there is water in the tanks. Possibly the sensor needs cleaning or replacing. Check the tank selector valve is directed at the correct tank (or both tanks are chosen).

PROPANE SYSTEM:

Issue: Stove top won't stay ignited.

Troubleshoot: Press and hold the ignition/ dial for 10 seconds to overcome the safety thermocouple. Consider the outside temperature; cold weather can cause the BTU of propane to drop. This can impact overall performance of the propane system. Keep your propane tanks full during cold weather and check other appliances that might also be using propane at the time.

KITCHEN FEATURES



SINK DRAIN HOSE



SINK DRAIN HOSE



PROPANE QUICK CONNECT



PROPANE QUICK CONNECT



DOMETIC FRIDGE



SLIDEOUT PANTRY



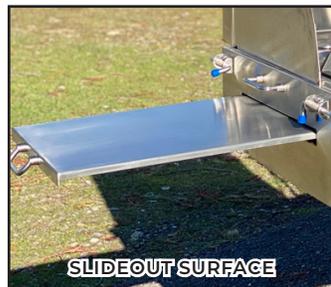
KITCHEN SINK



FOLD-DOWN PREP DECK



WIND GAURDS



SLIDEOUT SURFACE



LED LIGHT



SPICE//DISH RACK

- **KITCHEN SINK:** please see the water system section for information on setting up your kitchen sink with water.
- **KITCHEN STOVE:** please see the propane system section for information on setting up your kitchen stove with propane and use.
- **SLIDE-OUT SURFACE:** The kitchen has an additional slide out surface tucked under the stove. We recommend placing only lighter items such as oven mitts or cooking utensils on this slide out
- **STOVE WIND PROTECTORS:** The stove has two wind protectors that fold out to each side of the stove and secure in place with pins that slot into a hole on the kitchen surface. See the Propane Gas System for details on lighting the stove.
- **DISH/ SPICE RACK:** fold this up to vertical and set the rubber stand foot on the kitchen surface for stability.
- **LED LIGHT:** Position the flexible light to the desired position. Plug the power cord for this light into the small 12v socket on the exterior of the OP15. Ensure that the *Lights* switch is turned on so that the socket is receiving power. Be sure to disconnect the light from the outlet BEFORE sliding away your kitchen.

KITCHEN FEATURES CONT.

- **SUPPORT LEGS:** Folded underneath the slide out kitchen is a swing-down support leg. Push the button catch to release the leg. You can adjust the height of the leg as appropriate by loosening the wing nut pins to release the telescoping leg and then tightening them to hold it in place. To fold the leg away, retract the extendable leg fully and push the black end of the button catch to re-secure. There is also a secondary removable support leg pole which has a groove in the top that the underside of the kitchen fits into. This pole is also adjustable. We recommend using these support legs each time you set up the kitchen.
- **PREP DECK:** Built into the side of the OP15 you will find an additional fold-down prep-deck surface. This prep deck can hold up to 10lbs. When setting this surface up, push down on the hinge of the support arms to lock in place. Push upwards under the arms to release the hinge and fold the surface away. Please use both locks on the prep deck to lock securely in place during travel.

ABOUT YOUR KITCHEN

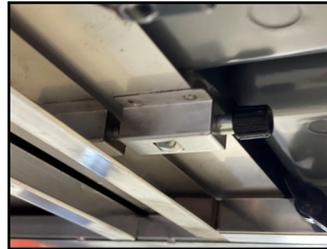
ABOUT YOUR SLIDE-OUT KITCHEN

Your OP15 kitchen is located on the door-side of the trailer in a slide-out compartment. The compartment is secured with lockable push-button latches. The kitchen slide-out is held in place with spring-bolt locking pins.

To open up the kitchen, pull the spring-bolts in and turn them so they catch and stay open then slide the kitchen out to its full extension. You can then access the kitchen-side quick connects for your gas and water connections (please see the **KITCHEN SINK** and **GAS SYSTEM** sections of this user manual).



KITCHEN SUPPORT LEG



WARNING

WARNING! Ensure the spring-bolt locking pins are locked in place AND that the push-button locks on the door of the compartment are correctly closed and locked prior to travel. Failure to do so could result in serious injury and damage.

WARNING! Please make sure the spring-bolt locking pins are in the extended position at all times when the kitchen is set up so that the spring is not compressed. Failure to do so could result in serious injury. Take care to compress the locking pins again when closing the kitchen.

WARNING! Please ensure that all cords and hoses are disconnected and retracted prior to closing your kitchen to avoid damage.

IMPORTANT! Do not position the light over the stove. Always make sure that the power cord is removed from the outlet BEFORE sliding the kitchen away for storage to avoid damage to the light and the outlet.

SINK OUTDOOR KITCHEN

To Operate the kitchen faucet you must first connect the two supplied water hoses using the quick connects on both the slide out kitchen and the side of the OP15. Slide the kitchen out to its full extension. First connect the BOTTOM quick connect on the kitchen to the RIGHT hand quick connect on the side of the OP15. This is the cold water hookup. Next, connect the TOP quick connect on the kitchen to the LEFT quick connect on the OP15. This is the HOT water hookup. Please note that as the kitchen faucet is a hot/cold mixer faucet you must also turn on the Truma Combi system in order to receive water hot water. Please see the Truma Combi System section on how to set this up.

If you would prefer to only use cold water, then you may connect only the cold water quick connect. The kitchen sink has a drain hose attached to the sink drain. This is designed to drain to a waste water container/ bucket and extends through the rear aperture of the kitchen.

WARNING: DO NOT POUR HOT OIL DOWN THE SINK DRAIN



FRIDGE/FREEZER 12V SLIDE-OUT

YOUR FRIDGE - DOMETIC CFXS 73



- We recommend reading the manufacturer's user manual that comes with your fridge in full to understand how this appliance works and to assist in troubleshooting should this be required. We have also compiled a few quick tips that are OPUS-specific:
- Your Fridge can be run on either 120v or 12v however we have designed the OP15 so that only 12v is supplied to the fridge compartment to enable the most energy efficient usage.
- The Fridge appliance is energy efficient and works well with minimum amperage draw. Please ensure that your fridge is set to 'low' or eco-mode to ensure you get the most efficient use and least impact on your 12v power consumption.
- We recommend turning your fridge on and allowing it to come down to temperature 24 hrs before your trip and whilst connected to shore power as this is the time when your fridge will need to use the most energy.
- You can leave the fridge turned on when you are traveling; simply ensure it is plugged in to the 12v socket in the storage compartment and that the fridge switch on the main control panel is turned on.
- Your fridge compartment is fitted with a fan-vent to help keep the temperature down in the compartment and so reduce the power consumption of the fridge. On hot days, you can also open the fridge compartment door but we recommend keeping the fridge inside the compartment when not in use to keep it shaded from the sun.

TRUMA COMBI HOT WATER & HEAT SYSTEM

TRUMA COMBI ECO HOT WATER & HEATING SYSTEM

The OP15 comes with the Truma combi eco hot water & heating system installed. This system is run off of your 12v power and propane gas supply. The system will provide hot water for your shower, bathroom and kitchen sink as well as forced hot air into the trailer.

We strongly recommend that you read the Truma Combi System manual that is provided with your trailer thoroughly before use for full instruction on how to operate and store/winterize this appliance. Failure to follow the instructions in the Truma product user manual may result in serious injury or death. Damage caused by failure to follow the instructions will not be covered under warranty. In the event that you cannot find the manual, please visit www.truma.net/heating-systems/truma-combi-eco for a digital copy of the user manual.

The Truma system is installed in the exterior lockable compartment on the driver's side of the trailer. To turn the Truma Combi system on ensure your power and propane are both turned on. Use the Truma control panel located above the 12v TV on the side of the wardrobe to set the desired temperature. The Truma system can be used to provide either hot water only, forced hot air only or both concurrently. Please note however that using both the water heater and the forced hot air system at the same time will reduce the efficiency of both systems and cause the water to take longer to heat up..



HEATER

Ducts for the forced hot air system can be found under the main OP15 control on the toe-kicker panel. There are three circular outlet vents to exit hot air and one rectangular vent for return air inlet.



WATER HEATER

The Truma has a 2.64gl holding tank capacity and uses water pumped directly from your potable water tank. The water will take approximately 20-25 minutes to reach temperature and will supply both sinks and the shower.



WARNINGS

- **WARNING!** Please keep all interior vents (air intake and exit) free of obstruction at all times. You must also keep the exhaust vent on the exterior front of the trailer free of obstruction too.
- **WARNING!** Scalding injuries are caused by hot water! Water temperatures over 127 °F (52 °C) can cause severe burns or scalding and in extreme cases even death. Always test the water temperature carefully before use.
- **WARNING! FIRE OR EXPLOSION HAZARD** - Failure to follow safety warnings exactly could result in serious injury, death or property damage. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS:**
 1. Evacuate all persons from the trailer,
 2. Shut off the gas supply at the gas container or source,
 3. Do not touch any electrical switch, or use any phone or radio in the trailer,
 4. Contact the nearest gas supplier or certified service technician for repairs.
- If you cannot reach a gas supplier or certified service technician, contact the nearest fire department.
- Do not turn on the gas supply until gas leaks have been repaired.

AWNING GIRARD RETRACTABLE AWNING

GIRARD 8' MANUALLY RETRACTABLE SUN AWNING

The OP15 Sun awning is a manually deployed 8' sun awning designed to provide shade over the kitchen area. You will find the supplied manual awning crank arm in the exterior slide-out bin of your OP15.

IMPORTANT: Please read before you set up your awning. Please take extreme care not to over-extend your awning as doing so may cause the fabric to unroll from the awning and/or damage the mechanism and arms. In addition, when you are closing your awning, please take note of the direction label on your crank handle. This will indicate which direction to turn the handle in. Do not continue to crank it in the same direction as opening it as this will retract your awning in the wrong direction and cause damage to your awning which is not covered under warranty.

TO SET-UP YOUR AWNING:

STEP 1

Ensure you have a minimum of 8' clearance from any nearby obstacles that may obstruct the awning before deploying it.



STEP 2

Insert the crank arm T-fitting vertically into the receiver located on the underside of the awning on the right side.



STEP 3

Crank clockwise to extend the awning. Do NOT extend the awning to its maximum extension as this can damage the elbow joint.



STEP 4

Use the manual crank arm in the same receiver as above and crank counterclockwise until the awning is fully retracted and the crank mechanism prevents further turning.



IMPORTANT

The awning may only be used in very light wind and rain conditions. When periods of moderate rain and or wind are expected the awning must be closed. Please ensure the awning is retracted at the first sign of wind or rain conditions to prevent serious injury and damage. Damage caused by wind and rain is not covered under warranty. Never leave the awning open and unattended.

IMPORTANT

Ensure your awning is fully retracted before moving your OP15 for any reason. Damage caused by failure to comply with this instruction is not covered under warranty. Damaged caused by collisions with objects in the area in which the awning will be deployed will not be covered under warranty. Do NOT overextend the awning. Ensure there is a good bend in the extension arm at all times.

DOMETIC PENGUIN II 120 V ROOF-TOP A/C

ROOFTOP DOMETIC PENGUIN II 120V A/C

The OP15 comes fitted with a rooftop Dometic Penguin II 120v A/C unit. We strongly recommend that you read the instruction manual for this appliance in full before use for full instructions and maintenance information. Failure to follow the instructions may result in damage to the appliance which will not be covered under warranty.

You must be connected to a source of 120v electricity via either shore power or a generator to run the A/C unit as it will drain your batteries very quickly via the inverter.

Use the left hand dial to select the fan or cooling fan strength and use the right hand dial to select the temperature. Please keep all windows, doors and skylights closed for maximum efficiency when appliance is in use.



AIR CONDITIONER

TOILET TWO-STEP FLUSH TOILET

ABOUT YOUR TOILET

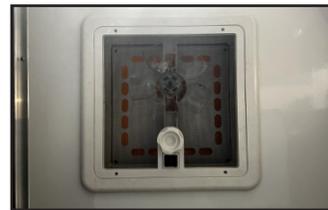
The OP15 toilet is a two-step flush toilet, connected to the potable water tank. In order to flush the toilet, first push the pedal (located on the right-hand side of the toilet base) down HALF WAY. This will fill the toilet bowl with water from your potable tank. Next, push the pedal down all the way to empty the toilet bowl. It is very important to complete the two steps including filling the toilet bowl with water, in order to ensure adequate water in the black tank allowing the break down of solid waste to facilitate the thorough emptying of the tank.

Do NOT throw trash or kitchen waste down the toilet as it will not break down in your black tank and can lead to clogging of your drain and interfere with the tank fill sensor.



TOILET TIPS

- Only use single-ply RV toilet paper which breaks down faster
- Sparingly use of toilet paper also means less solid waste to dissolve
- Always add water to the toilet bowl before flushing and flush regularly
- Compress the pedal smoothly and evenly to avoid damage
- Continually monitor your black tank level during your trip
- Keep toilet lid closed when not in use to help minimize odors from black tank



SHOWER HOT WATER SHOWER

ABOUT YOUR SHOWER

The OP15 shower draws water from your potable water tanks and drains to the gray water tank. In order to receive hot water to the shower, you must use the Truma Combi System. Please refer to the Truma Combi System section of this user manual.

Do NOT plug or clog the shower drain. Take care to remove debris and hair from the drain in order to prevent flooding of the bathroom stall and unnecessary debris build up in the gray water tank. Be sure to clean the shower and controls regularly to prevent the build up of soap scum and limescale from impacting the effective function of the shower.



SHOWER TIPS

IMPORTANT! Ensure the 12v fan on the ceiling of the shower is on when the shower is in use to prevent a build up of steam and moisture inside the shower room and camper. A build-up of steam can lead to light-headedness, loss of consciousness and falls.

IMPORTANT! Water may be hot. Always test the heat of the shower before stepping into the shower flow.

IMPORTANT! The floor of the OP15 may become slippery when wet. Take care to keep water from the shower inside the shower room. Make sure the door, including the tent section is closed when the shower is in use and any spilled water is dried immediately.

SINK MIXER TAP FAUCET

ABOUT YOUR SINK

The sink on the OP15 is a mixer tap and draws water from your potable water system. To receive hot water to the sink, please follow the steps in the Truma Combi System section. Take care to test the heat of the water from the faucet as water may be hot.



TELEVISION INDOOR/OUTDOOR 12V TV

INDOOR/OUTDOOR 12V TV

The OP15 comes with a 12v TV mounted to the side of the wardrobe.

To use the TV, ensure the 12volt power is turned on and that the TV is connected to the 12volt power socket AND the aerial socket located next to it on the side of the wardrobe. In the top drawer beneath the TV you will find the remote and manual for the TV.

Please refer to the TV manual for further information on setting up your TV.

Please note that the TV channels do not come pre-set so you may need to set the TV up to scan for local channels. This may apply for each journey you take in the OPUS, depending on channel coverage.



EXTERIOR MOUNT

There is also an exterior mounting point for the TV located between the Kitchen and the prep-deck. To move the TV from the interior mount please first ensure all wires are unplugged from the outlets inside the trailer.

To remove the TV from the bracket push the hooked clip at the bottom of the mount and slide the TV and the adjustable arm up to release from the tracks in the mount. To mount the TV to the exterior bracket slide the adjustable arm down into the tracks of the exterior TV mount until it clicks into place. Connect the two 12v power cables and the aerial cable to the outlets under the weatherproof protective cover.



WARNING

Always mount the TV to the interior mounting point during travel and use the installed straps to help to keep the TV secure.

WARNING

Do not use the TV on the exterior mount in wet weather even with the awning extended.

ANTENNA AMPLIFIER / DIGITAL BOOSTER

Your OP15 comes with an antenna amplifier that connects to the coax cables of your existing antenna installation.



STEREO INDOOR/OUTDOOR SPEAKERS

BUILT-IN STEREO

The OP15 comes with an inbuilt stereo and both indoor and outdoor speakers.

The stereo is mounted in the storage compartment above the main control panel and solar charge controller. It is compatible with Bluetooth connectivity as well as CD, Radio and direct connection via 3.5mil jack cable.



INDOOR/OUTDOOR SPEAKERS

There are two interior speakers and two exterior speakers.

The toggle switch for either indoor OR outdoor speaker mode is mounted next to the solar charge controller panel below the stereo.



WINDOW SCREENS OPENABLE SCREENS

ABOUT YOUR WINDOWS

There are six windows solid-pane openable windows in the OP15 as well as zip-vent windows in the tent material of the roof. Each solid-pane window has two optional screens in addition to the standard clear window mode; a mesh insect screen & an opaque curtain screen.



OPERATING YOUR WINDOWS

STEP 1

Slide the lower silver screen bar up to reveal the curtain screen.



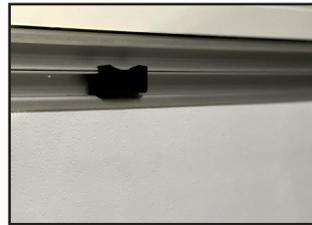
STEP 2

As shown in the image, press the bottom of the clasp to lever the hook up.



STEP 3

Hook the clasp over the lip of the top silver screen bar.



STEP 4

To release, press the clasp again and release the hook. Slide the top silver screen bar down to reveal the mesh insect screen & lock in the same way.



WINDOW CLASPS

The black clasp located on the center of the lower silver screen bar is used to lock the screens in place.



WINDOW LATCHES

Turn latches through 90° to clock/unlock.

The solid-pane windows are openable, hinged along the top edge. There are locking latches on each window. These latches also allow you to open the window to a 'vent mode' by latching on the secondary latch.

Remember to close fully for storage.



TO OPEN WINDOWS

To open, push the window outwards from the bottom. Gas struts will hold the window in place at the point they are opened to.



TO CLOSE WINDOWS

To close the window, push it all the way open until you hear an audible 'click'. This will release the gas strut and allow you to close the window.

*Note some of the latches may have a release button in the center of the latch that needs to be pressed in order to turn the latch.

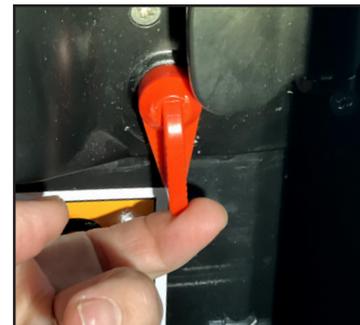


ENTRANCE DOOR FULLY LOCKABLE

ENTRANCE DOOR

The entrance door is fully lockable from outside with the key provided and from inside using the red lock latch. There is also a screen door for to protect against insects and provide ventilation.

The screen door can also be unlocked using both an external key or the interior black latch on the door handle. There is also a slidable panel to allow you to close off the door handle access panel when using just the screen door.



SKYLIGHT WITH LED LIGHTS

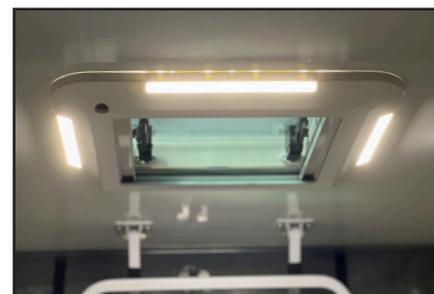
SKYLIGHT

The skylight features a set of LED lights that can be controlled with the integral ON/OFF switch on the light itself.

The Skylight can be opened by turning the two black locking handles through 90° and then pulling the white handle down to release it from the holding catches then pushing upwards to open the window. To close the window, simply pull the white handle down and up into the holding catches.

The skylight also has both a black-out blind and a mesh insect screen. These screens simply slide out across the window (one is located at either side). Please note that if you slide the screen fully across to meet the screen on the other side, they will join via a magnet in the middle. To release, gently pull them apart.

Please ensure that the skylight is closed when rain is expected. Do not leave your OP15 unattended with the skylight open. Do not store your OPUS with the skylight open.



NEW TRAILER MAINTENANCE

TRAILER BRAKES

Your electric drum brakes require a break-in period to achieve full and proper performance. This applies when you first receive your new OP15 then after new parts are installed as part of your maintenance schedule. Your OP15 brakes should be adjusted after the first 200 miles then every 3000 miles after that. We highly recommend that all brake adjustments, maintenance and ser-ving is carried out by a qualified technician at your OPUS dealership.

CAUTION! You may need to adjust your brakes more frequently dependent on variations in cargo weights.

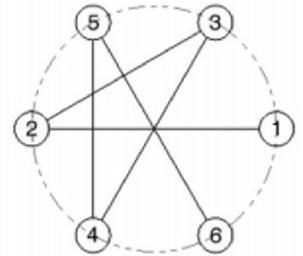
SUSPENSION, WHEEL & HITCH BOLTS

After your first 50 miles then 500 miles after that please check the suspension bolts, wheel nuts and hitch bolts to ensure that they have maintained their tightness.

STEP 1: This should be completed with a torque wrench to 100 ft lbs.

STEP 2: When tightening wheel nut lugs, please tighten bolts in astar-patten order as indicated in the diagram.

STEP 3: After that, check your bolts every 2000 miles and always before an extended trip.



6 LUG BOLT PATTERN

POTABLE WATER TANK

Please ensure you sanitize, flush and drain the water tanks before first use. Please refer to the

FIRE, LIFE & SAFETY DEVICES

Your OP15 is fitted with a number of fire and life safety devices and comes with manuals and instructions for operating each device. These include:

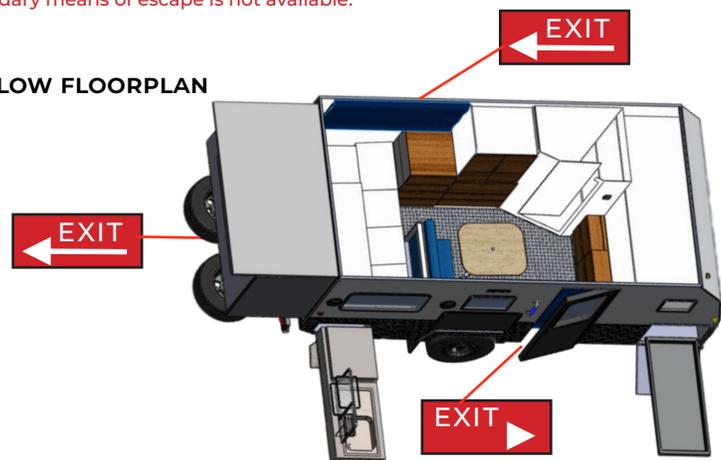
1. PROPANE GAS & CARBON MONOXIDE ALARM—Locate in the footwell directly opposite the main door
2. SMOKE ALARM—located on the wall just inside the door to the right
3. FIRE EXTINGUISHER—located inside and to the right of the door.
4. EMERGENCY EXITS - Are shown on the below floorplan.

WARNING: Failure to regularly test and properly maintain these devices may lead to serious injury or death.

WARNING: The following label has been placed on the interior of the main entry door and reads as follows:

WARNING: Do not utilize this RV unless fully set up because a secondary means of escape is not available.

YOUR EMERGENCY EXITS ARE SHOWN ON THE BELOW FLOORPLAN



GREASING & SERVICING

- The electrical and propane systems will need to be checked over by an RV service technician. The lug nut torque requirements are 100ft lbs.
- **WARNING! Never use the levelling jacks to lift the trailer completely from the ground for any reason including servicing, repair work or tire changes. To do so would cause the trailer to become unstable and unsafe. Always use proper lifting equipment or have the work completed at an approved service location.**
- The servicing schedule may be affected by your usage amount and operating conditions. Discuss your intended use and servicing timetable with your dealership to find the optimum schedule for your OP15. It is always better to attend to or catch small problems early or before they occur rather than allowing problems to become larger or impact other systems or areas of your trailer. Failure to service your trailer in a timely manner may mean that issues may fall outside of or void your warranty due to failure to complete proper maintenance (neglect).

The servicing requirements are:

- Check the wheel bearings every year - ensure these are checked by a qualified service technician.
- Check the lug nuts every 2000 miles - this includes the spare tires nuts.
- Check the tire pressure every 2000 miles - the tire sticker on the interior of the door will supply the appropriate pressure.
- Have the dual coil suspension serviced every year; a dealership will complete the following services:
 - Check and ensure the Zerk fittings on the suspension are in good condition and that these are removed and the suspension well oiled.
 - Utilize a grease gun kit and some Moly-Grease .
 - Check that the coil suspension is well greased (Moly-Grease suitable for suspension coils will also be acceptable here).
 - Grease the hitch with some compound similar to Reese Heavy Duty Hitch Lubricant .
 - Winterize the water tanks (see water system care & maintenance section).
- Look for signs of chipped paint around the body work. We can supply a cover paint kit to dress this.

BATTERY CARE & MAINTENANCE

- Battery type: AGM.
- Best way to charge: Apply saturated charge to prevent sulfation; can remain on charge with correct float voltage.
- Charge methods: Constant voltage to 2.40-2.45V/cell, float at 2.25-2.30V/cell. Battery should stay cool -- no fast charge possible.
- Charge time: 14-16 hours.
- Discharge: Can endure high peak currents. Avoid full discharges. Charge after each use.
- Storage: Keep cells at >2.05V. Apply topping charge every 6 months to prevent sulfation.
- Disposal: Toxic. Do not dispose. Electrolyte corrosive. Profitable to recycle.
- How to prolong battery life:
 - Limit deep cycling.
 - Do not deep-cycle starter battery.
 - Apply fully saturation charge.
 - Avoid heat.
- Transport : Flooded: Class 8 restrictions, provide "corrosive" label. Non-spillable: Class 8 exempt.

WINTERIZING YOUR BATTERY

Winterizing your batteries/ long periods of storage: We have spec'd the Opus so you have the ability to leave your Opus plugged in at all times to maintain your battery using the charge wizard charge controller installed. We have done this because the CO/LP Alarm is hard wired to your batteries and therefore your batteries will supply a constant current to this appliance.

If you are unable to store your OP15 plugged in then it is possible for your solar panels to maintain your battery providing it is not stored under a cover, solar panels are clean and free from debris and dirt and there is adequate sunlight available on the panels.

We highly recommend testing and measuring the solar panel charge capabilities at your chosen storage location at multiple times of day and weather conditions before storing this way for long periods. A camper that spends a large part of the day in the shade or in very low sunlight conditions may not provide enough solar charge to maintain your batteries. If you determine that the solar charging is not an option, in order to prevent your batteries from being completely depleted over long periods of storage you will need to disconnect and remove your batteries entirely from your system. Please follow the below instructions to do so:

1. Completely charge the battery before storage.
2. Store the battery in a cool, dry location. Heat is a battery killer.
3. Completely remove all loads from the battery posts.
4. Monitor the specific gravity or voltage.
5. Once below 70% charge, give it a boost charge.
6. Completely recharge the battery before putting back in service.
7. Equalize the battery before putting back in service.

We recommend periodically checking your camper or batteries during storage to ensure your chosen storage option continues to work appropriately. Batteries that are not stored appropriately and are allowed to fully discharge may need additional charging outside of your OPUS as the battery charger will not work below a certain voltage. Batteries that are left to discharge below 12volts may get damaged and not hold charge properly going forward. This damage is not covered under your OPUS warranty.

POTABLE WATER SYSTEM

Please ensure you sanitize, flush and drain the water tanks before first use and after any period of storage. To maintain the cleanliness of your potable water tanks please ensure all water is flushed from your potable water tanks after each trip or every two weeks when in use. Do NOT store water in the tanks for more than two weeks.

TO DRAIN YOUR POTABLE WATER SYSTEM:

1. Turn off the water pump
2. On bottom of both potable water tanks is a drain plug. Open this plug to allow remaining water to gravity drain. Ensure water is collected and disposed of in a responsible way.
3. Ensure the drain plug is closed again before re-fill the tanks.
4. Open your faucets/ shower / flush your toilet (you may need to step on the toilet pedal several times to flush the toilet system fully) and allow any residual water to drain. Close the faucets again.

We strongly recommend sanitizing your potable water tanks at least once every six months. If you suspect an issue with the quality of the water in your tanks or notice discoloration, odor or foul taste you should sanitize immediately. Always check your potable water source and use a fill hose listed for use with potable water.

TO SANITIZE YOUR POTABLE WATER SYSTEM:

1. Flush all water from system as detailed above
2. Use a potable water sanitizing product such as Camco TastePURE Spring Fresh Water System Cleaner
3. Do NOT use bleach to sanitize the tanks as they are stainless steel and it will cause corrosion
4. Follow the steps as directed on your potable water sanitizing product to fill, sanitize and purge as required.

WINTERIZING YOUR POTABLE WATER

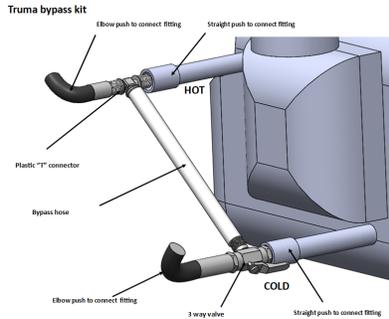
As a reminder, the OP15 is not a 4-season camper and as such should not be subjected to freezing temps without after-market heating pads/ insulation kits added (something we do not offer as an option). Please follow the instructions on the label carefully to determine the correct dilution or amount of fluid to use. **DANGER!** Do NOT use automotive antifreeze to winterize your potable water system as they are highly toxic and ingestion may leave to serious injury or death

TRUMA COMBI & WATER HEATER BY-PASS VALVE

IMPORTANT! Before winterizing your OP15 you must have a water heater by-pass kit installed. Running RV winterizing fluid through your Truma Combi water heater can cause corrosion and Truma advise against this in their manual therefore you must use the by-pass kit to winterize your camper.

If your OP15 was manufactured prior to 2022 and does not have a water heater by-pass kit installed, please contact OPUS HQ for information on ordering a kit and discuss with your local RV service department.

Please be advised that your Truma Combi system has a holding tank in it. Please ensure you carefully read the Truma Combi system manual for steps to drain the water heater tank of this appliance and prepare it properly for winterization. Always wait for the water heater tank to cool before draining. More information can also be found online at www.truma.net/about/news/winterizing-your-truma-aquago-or-truma-combi.



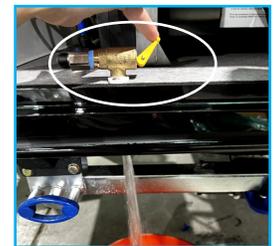
BY-PASS POSITION
FIGURE A



BY-PASS VALVE



DRAIN VALVE- CLOSED POSITION
FIGURE B



DRAIN VALVE- OPEN POSITION
FIGURE B2

TO WINTERIZE YOUR POTABLE WATER SYSTEM:

SET YOUR WATER HEATER TO BY-PASS MODE AT YOUR TRUMA COMBI:

1. Open the drain valve by moving the lever 90 degrees (**Figure B**) and drain water from Truma Combi (2.64 Gal/ 10 L for the complete drain) Note: make sure to keep a bucket underneath the drain valve
2. Turn the drain valve back to the closed position.
3. Turn the 3-way valve (**Figure C**) handle in a vertical direction (bypass position - **Figure A**)

EMPTY YOUR TANKS AND SYSTEM

Drain the water from your potable water system following the steps listed in the section above. (**Figure B2**) DO NOT use the water pumps to run your tanks dry.

AT YOUR WATER PUMP:

1. Remove the water filter
2. Remove the factory-installed cap from the 3-way valve
3. Turn the 3-way valve handle in a vertical direction (bypass position)
4. Attach the clear vinyl hose to the 3-way valve & hand tighten
5. Insert the end of the hose into the winterization fluid bottle
6. Using the water pump, run this winterizing fluid through the entire water system including the faucets and shower as well. This will lubricate and protect your water pump and fittings during storage. Close the outlet and turn the pump off.



PUMP & 3-WAY VALVE
FIGURE C

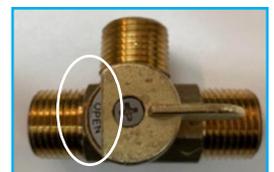


WATER FILTER

DE-WINTERIZING – RETURN TO THE ROAD

To de-winterize your potable water system follow these procedures:

1. Fill your water tanks with water and flush the water system with freshwater Note: Open all water release points (Shower, Sink, etc.). Make sure all the winterization fluid is flushed from the system.
2. Follow the steps above to sanitize your potable water system
3. Turn the 3-way valve handle of the water pump into a horizontal direction (Open Position - **Figure D**)
4. Turn the 3-way valve handle of the Truma into a horizontal direction (Open Position)



OPEN POSITION
FIGURE D

GREY WATER TANK

Open your grey tank drain valve and drain into an appropriate receptacle. Dispose of grey water responsibly at a dump station or drain point. Always check the rules for the state and campground that you are visiting to see what limitations may apply. Do not dump illegally. We recommend flushing your grey tank after dumping to help remove any unwanted build up.

For best maintenance of your grey water tank do not allow dirt, debris, hair or other solid material to drain into the grey tank. You may want to dump your gray tank after your black tank and use the grey water to help wash residue from the black tank sewer hose. See below section for winterizing your grey and black water tanks.

TO CLEAN YOUR GREY WATER TANK:

1. Fill your grey tank at least half way full with clean water. Add an RV grey water tank cleaning solution/ tablet and follow the instructions for that product or use dish soap or laundry detergent 1/2- 1 cup.
2. Do NOT use bleach as it will corrode your tank, seals and gaskets. Any damage caused by using bleach is not covered under warranty.
3. Take your OP15 for a spin to allow the grey water to slosh around and clean the inside of your tank and the tank sensors fully.
4. You can then drain the grey water tank as above and we suggest rinsing it using a wand-style rinser afterwards.
5. Following cleaning, use an RV grey water tank treatment to help dissolve grease and soap build up and prevent odors. We suggest using a natural, biodegradable enzyme based product that is formaldehyde-free such as Energen Grey Water Tank Treatment.

BLACK WATER TANK

We recommend emptying your black tank when it is at least 1/2 to 3/4 full and after every camping trip. Emptying your tank sooner may result in solid waste being left behind in your tank; a fuller tank allows more opportunity for breakdown of solid waste. If you are on-site camping and connecting to a campground sewer we recommend keeping the tanks drain valve closed until you need to drain to assisting in purging the tank of solid waste. Follow the OPUS tips for best results when using your OP15 toilet.

Please use caution when emptying to avoid contact with waste which can carry harmful bacteria. The black tank must ONLY be disposed of in designated dump stations. Do NOT dump illegally and follow all state and campground guidelines for safe and clean dumping. Use the black tank drain hose stowed at the rear of the trailer in the holding tube to drain your black tank.

1. Remove the black tank hose from the storage tube by twisting the cap off
2. Connect the drain hose to the drain valve by twisting on to receiver hooks
3. Ensure the other end of the drain hose is directed into the appropriate dump point.
4. To empty, pull the valve to open.
5. Leave the valve open until you can no longer hear liquid waste draining then close the valve completely. Close the valve at this point

WARNING: Do NOT leave waste in your tank during storage. Always remember to close the drain valve after draining the black tank and before removing the drain hose.

TO CLEAN YOUR BLACK WATER TANK:

1. Drain and dump any waste by following the steps above
2. Take measures to remove any build up from the tank walls. We recommend wand-style rinsers such as the Camco Swivel Stik that can be used with the toilet drain open to access the black tank.
3. Use a treatment product to clean your black tank. We recommend using a biodegradable, eco-friendly product that is enzyme-based. Please take care to ensure your treatment is formaldehyde-free—many dumping regulations now require this as standard. Follow the instructions on your chosen cleaning treatment to ensure the appropriate dilution as required. If you need to add water for your chosen product, you can do this by filling and flushing the toilet bowl several times.
4. If your sensors are not reading accurately and flushing the tank does not resolve the problem, tank sensor cleaning products are available to help remove buildup.
5. Your drain hose should also be regularly cleaned and sanitized.

WINTERIZING GREY & BLACK TANKS

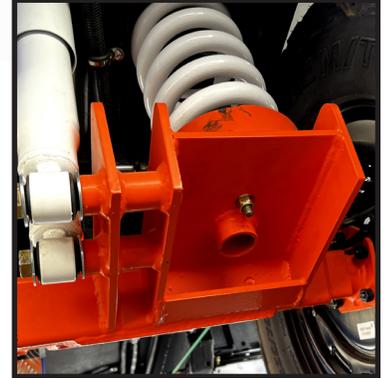
1. Fully drain and clean the grey and black water tank following the above steps. Close your drain valves after draining.
2. Flush RV winterizing fluid down your bathroom sink, shower drain and toilet (without flushing; ensure the drain valve is closed).
3. Winterizing fluid can remain in the tanks while in storage.

IMPORTANT! Monitor water temperatures closely in severe cold in case you must take the steps to drain and winterize your water systems whilst camping.

CHANGING A TIRE

- Ensure you are on level ground
- Deploy your corner steadies
- *Important* DO NOT use your corner steadies to lift the trailer off the ground
- Use a jack on the suspension lift point to raise your trailer
- Change your wheel

Torque all wheel bolts to 100ft lbs. When tightening wheel nut lugs, please tighten bolts in a star pattern order as indicated in the diagram to the right.



RETURNING TO THE ROAD

Ensure that your camper and accessories are fit for the road and you adhere to all local laws.

- Check the wheels and tires and ensure they are in good condition with the bolts correctly torqued.
- Check tire pressures once a month and before any extended trips
- Check to ensure all bolts are tightened on the under carriage.
- Check the lights and fittings and ensure they are functioning correctly.
- Check the brakes are in good working order
- The chassis/running gear and the gas installation of your OP15 camper should be checked on an annual basis by a qualified service center.
- Purge your water tanks, sink and toilet of winterizing fluid
- Change your water heater from by-pass mode to normal mode
- Sanitize your potable water tank and add a treatment to the grey and black tanks as required.

CUSTOMER'S RESPONSIBILITIES

In order to ensure you get the most out of your OP15 and that warranty claims may be processed in a swift and timely manner, we ask that our customers adhere to the following guidelines:

1. Regular and proper maintenance of your OP15, including but not limited to the steps outlined in this user manual. If you have maintenance or service questions not covered by this manual OR you notice something out of the ordinary with your camper please contact your dealership for more information This includes scheduled maintenance of your OP15 and addressing any issues as they arise and without delay
2. Get to know your OP15 well. By learning about your camper and its components you will get an enhanced user experience and avoid issues arising from mis-handling as well as become more likely to spot if something requires additional servicing
3. It is the responsibility of the OP15 owner to ensure all warranty work is completed by an approved OPUS dealership. Failure to do so may result in incomplete or refusal of warranty claim repair cost reimbursement.
4. Any modifications without written consent from OPUS Camper could result in loss of warranty coverage. Contact us or your dealer before completing any work.

VALIDITY OF CLAIMS

- Warranties are only valid to the original purchaser of the item in question and are valid from the original date of purchase only.
- Warranties apply only to items sold as “new” and do not extend to any items sold via auction, or deemed to be “factory seconds”, “ex-demonstration” or “damaged” unless specifically stated otherwise by OPUS® in writing. (Please see further on this page for more information).
- Warranties are not transferable under any circumstances. Similarly, if an item is sold to a third party by the original purchaser, then all warranties become null and void, and the original purchaser shall make no claims or be eligible for any claims on behalf of the new owner.
- Warranties do not apply to products purchased from OPUS® and then used in hire schemes; as rentals; or for commercial or business purposes
- OPUS® does not cover damage due to unauthorized modifications, misuse, abuse, incorrect assembly, improper and irregular maintenance, or accident or collision.
- Any work performed under an authorized warranty claim approved by OPUS® must be performed by OPUS®, or an authorized representative of OPUS® and only with the express written permission of OPUS®
- Any affiliates, representatives, associates, agents, suppliers, resellers or similar of OPUS® shall have no authority to authorize or deny warranty claims on behalf of OPUS®
- OPUS® shall not be liable, (in part or whole) for any warranties, either express or implied, made by agents or resellers on behalf of OPUS® without the knowledge or express written permission of OPUS®. Such unauthorized claims shall be the responsibility of the agent or reseller only.

CAMPER TRAILERS

- Unless stated otherwise, trailers only are covered by a 24-month limited manufacturer's warranty from the original date of purchase. Our goods come with guarantees that cannot be excluded under Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. OPUS® includes equipment and fittings, such as stoves, refrigerators, and sinks, which are separately warranted by their manufacturer and not covered by Opus®' Warranty. If necessary, OPUS® will help an owner make a warranty claim to these manufacturers. In addition to: OPUS® warranty, the consumer may also be covered by other rights and remedies of Consumer Law per state and/or federal regulations in relation to the goods and or services to which this warranty relates. Under no circumstances should OPUS® campers be exposed to water crossings at, or above, body floor level. The following items are not covered under Opus®' warranty: Impact or stone damage to body, chassis or running gear; soiling of fabrics and internal fittings from dust and other airborne substances; water damage due to water crossings; movement or damage caused by dislodgement of appliances and fittings resulting from hard impact or heavy landings or severely rutted roads or tracks; general damage arising from misuse; rust; wheels and tires; paint; travel covers and straps; general consumables (e.g. bearings, light bulbs etc); damage due to condensation; normal wear and tear; exposure to elements; wear and tear when the RV has been used for permanent living purposes. This trailer is designed solely for its intended purpose of recreational camping and personal use. OPUS® does not warranty trailers used for commercial, rental, or business purposes, or any recreational vehicle not registered and regularly used in Contiguous 48 states of the United States.
- No action to enforce express or implied warranties shall be commenced without prior written notice to OPUS® at the address listed below of the alleged defect or nonconformity or the authorized repair facility's failed repair attempt and OPUS® , AT ITS DIRECT OPTION, SHALL HAVE A FINAL OPPORTUNITY TO REMEDY.

PURCHASER'S OBLIGATIONS

The Purchaser shall deliver this camping trailer for warranty service within a reasonable time after discovery of the defect and in no event after expiration of the Warranty Period, which Warranty Period is twenty four (24) months. All expenses incurred by the Purchaser in obtaining warranty service shall be borne by Purchaser. Warranty service shall, whenever possible, be scheduled with the selling dealer by an appointment in order to avoid possible delays. Purchaser can, if necessary, obtain a list of persons authorized to perform warranty service by contacting OPUS® at the below address. The Purchaser is highly advised to obtain this list prior to purchase, should warranty service through the selling dealership be impractical due to logistical complications to ensure coverage is available locally. Repair work carried out by a non-authorized dealer or service location is not covered under OPUS® limited warranty. No action to enforce express or implied warranties shall be commenced without prior written notice to OPUS® at the address listed below of the alleged defect or nonconformity or the authorized repair facility's failed repair attempt and OPUS® , AT ITS DIRECT OPTION, SHALL HAVE A FINAL OPPORTUNITY TO REMEDY.

DISCLAIMER OF CONSEQUENTIAL AND INCIDENTAL DAMAGES

The original consumer purchaser of this camping trailer and any person to whom this unit is transferred, and any person who is an intended or unintended user or beneficiary of this unit, shall not be entitled to recover from OPUS® any consequential or incidental damages.

EVENTS DISCHARGING OPUS FROM OBLIGATION UNDER THIS WARRANTY

Misuse or neglect, including failure to provide reasonable and necessary maintenance, unauthorized alteration, accident, and improper loading, commercial use or leasing of the recreational vehicle, shall discharge OPUS® from any obligation under this Warranty.

PARTS & DESIGN CHANGES

OPUS® reserves the right to change the parts and design of its recreational vehicle from time to time without notice and with no obligation to maintain spare parts or make corresponding changes in its products previously manufactured.

FACTORY SECONDS, EX-DEMONSTRATION AND DAMAGED GOODS

From time to time, OPUS® may offer for sale items deemed to be “factory seconds”, “ex-demonstration”, or “damaged”. Any items sold as “factory seconds”, “ex-demonstration” or “damaged” items are sold on an “as is” basis. There are no warranties, refunds, credits, exchanges or similar associated with such items. In the sale of such items, OPUS® will attempt to provide all relevant information regarding the item, including faults, defects, or similar, however, there may be instances where minor defects or imperfections have been overlooked. This is PURELY UNINTENTIONAL and in no way alters the nature of the sale. Due to the nature of such items, i.e being “ex-demonstration”, “factory seconds” or “damaged”, it is reasonable to expect that some imperfections or flaws may exist even where it is not initially apparent. By purchasing such an item, you agree to this statement in full and accept that there are no warranties

OWNER ASSISTANCE

Your continued confidence and goodwill are important to us at OPUS® as is maintaining a good relationship with our dealers. OPUS® recognizes that there may be occasions when a warranty or service problem is not handled to your satisfaction. We encourage you to attempt to rectify the situation by discussing the situation with your local dealership management; if after this your problem is not resolved to your satisfaction we welcome you to contact OPUS® at the below address. We will provide our recommendations for an agreeable solution to the local dealership.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

LOGGING A CLAIM

All warranty claims can be lodged by contacting your dealership..

CONTACT

If you have any further questions relating to warranties, or are unsure about any aspect of this section, then please contact us.

Phone: 925 215 7315

Email: info@opuscamper.us

Address: 1850 Loveridge Rd, Puttsburg, CA 94565

WHAT'S INSIDE YOUR CAMPER

SAFETY CHAINS



WHEEL CHOCKS



PROPANE REGULATOR



LEVEL



CRANK FOR STABILIZERS



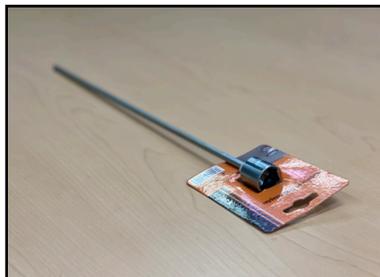
POWER EXTENSION



EXTRA KITCHEN SUPPORT LEG



DRILL BIT ADAPTER



EXTERIOR LED LIGHT



7-PIN PLUG



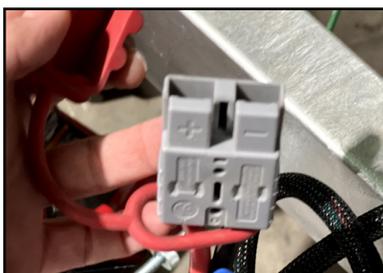
SHORE POWER PLUG



ELECTRIC BRAKE



DC-DC CHARGE PLUG



VEHICLE SIDE HITCH



ANTENNA AMPLIFIER / DIGITAL BOOSTER



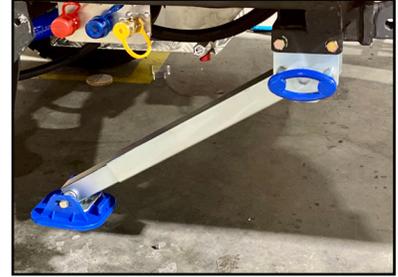
2X PROPANE TANKS



CO2 ALARM



STABILIZER LEGS



WATER SINK HOSE



STEREO



KITCHEN SINK



ARK TONGUE JACK



WATER PUMP



DO35 HITCH



BATHROOM SINK



FIRE SAFETY



EXTERIOR SPEAKERS



CUTTING BOARD



SKY LIGHT



SLIDE-OUT PANTRY



DOWNLOAD MANUAL:



OP15 USER MANUAL

APPLICABLE TO ALL MODELS IN PRODUCTION AFTER APRIL 2022.

OPUS
OFF-ROAD

BUILT BY PURPLE LINE USA IN PITTSBURG, CA

1850 LOVERIDGE ROAD, PITTSBURG, CA 94565 | 1 (925) 215-7315 | INFO@OPUSCAMPER.US