

PRODUCT OWNERS MANUAL

Escape Civilization. Wake Up In The Wild.



OFF GRID
TRAILERS



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WELCOME

We would like to thank you for purchasing an Off Grid Trailer! Whether a new OGT customer or a returning enthusiast, the entire team at OGT is pleased to welcome you to the family. Adventurous and creative, ambitious and curious, the entire OGT team's passion for design, quality, authenticity, and craftsmanship are only matched by their love of the outdoors—a love that guides everything we do at Off Grid Trailers. Our off-road teardrop trailers are inspired by overlanding and off grid camping—they're designed for engaging with nature, for camping off the grid.

We trust you will enjoy your new Off Grid Trailers adventure! Much thought has gone into the design of our units to bring us all closer to nature! Any of our company's success depends on our commitment to bringing joy and the adventurous spirit to our valued customers.

Thank you for choosing an Off Grid Trailer, and welcome to the OGT family!

Duane Leedell
CEO, OGT

WARRANTY

OFF GRID TRAILERS LP. WARRANTY

Subject to the terms and conditions set forth herein, **OFF GRID TRAILERS LIMITED PARTNERSHIP** (hereinafter referred to as the “**Manufacturer**”, “**Off Grid Trailers**” or “**OGT**”), warrants as follows with respect to the recreational trailer to which this Owner's Manual has been provided with (the “**Trailer**”):

1. The Trailer Components will, for a period of twelve (12) months following the Owner's purchase of the Trailer from either (a) the Manufacturer or (b) a Dealer (the “**Component Warranty Period**”), be free from defects in material or workmanship and will conform to all written specifications provided by the Manufacturer; and
2. The Trailer Frame Chassis only will, for a period of sixty (60) months following the Owner's purchase of the Trailer from either (a) the Manufacturer or (b) a Dealer (the “**Frame Warranty Period**”), be free from defects in material or workmanship and will conform to all written specifications provided by the Manufacturer.

(the above warranty referred to herein as the “**Warranty**”).

Terms and Conditions of Warranty

1. The Warranty becomes effective only if the enclosed or online warranty card is fully completed and mailed/emailed to the manufacturer within (30) days of the date of purchase by the Owner. The Manufacturer will confirm Warranty registration.
2. The Warranty is the only warranty on the part of the Manufacturer and there are no other representations or warranties, express or implied, other than as expressly set forth or referred to herein and, without limiting the generality of the foregoing, the Manufacturer does not make any warranties to the owner or to any other person or entity, whether express, implied or statutory, as to the description, quality, merchantability, completeness or fitness for any purpose of the Trailer or information provided hereunder or described herein, or as to any other matter all of which warranties are hereby excluded and specifically disclaimed.
3. The Warranty does not apply to any Non-Warranty Components. The Manufacturer is not the manufacturer of the following products (but not limited to): axles, ranges, ovens, range hoods, refrigerator, furnace, air conditioner, water heater, windows, jacks, electrical components, and LPG (liquid propane gas) accessories. The Manufacturer has not conducted any independent tests for Non-Warranty Component's quality and fitness and makes no expressed or implied representation or warranty regarding their freedom from defects.
4. If any defects in material or workmanship are discovered during the applicable Warranty Period, the Manufacturer will, at its sole discretion, repair or replace the defective component.
5. Any defects must be brought to the authorized selling dealer from whom the Trailer was purchased, or to the Manufacturer no later than ten (10) days after the discovery of such defects and must contain a written description of the defect and the Vehicle Identification Number of the Trailer.
6. The Warranty is effective only for the applicable Warranty Period and only in respect of any



WARRANTY

- defects reported to the manufacturer discovered during the applicable Warranty Period. The Warranty does not apply to the cost of transporting materials or units to or from the repair site.
7. The Warranty applies only to new Trailers operated in the ordinary course and in accordance with the Manufacturer's specifications and guidelines (as may be modified or amended from time to time). The Warranty will be void and of no effect if (a) any after-market modifications are made to the Trailer, (b) any repairs are made to the Trailer using non-authorized parts, (c) the Owner fails to maintain the Trailer in a reasonable manner; or (d) in the opinion of the manufacturer, damage has occurred because of misuse, acts of God, negligence, or other causes beyond control of the Manufacturer.
 8. As used herein, the following terms have the meanings given thereto:
 - a. **"Dealer"** means an authorized dealer of the Manufacturer's trailers or products.
 - b. **"Non-Warranty Components"** means any part, product or component included with or affixed to the Trailer which are (i) consumables, (ii) are not manufactured by the Manufacturer, or (iii) are covered by separate warranties of the individual manufacturer of such component (including but not limited to axles, windows, tires, batteries, ranges, ovens, range hoods, refrigerator, furnace, water heater, jacks, electrical components, and LPG (liquid propane gas) accessories.
 - c. **"Owner"** means the original purchaser of the Trailer from the Manufacturer or a Dealer and excludes any person which has purchased the Trailer from a person other than the Manufacturer or a Dealer.
 - d. **"Trailer Components"** means any part, product or component of the Trailer excluding the Trailer Frame and the Non-Warranty Components.
 - e. **"Trailer Frame Chassis"** means the lower chassis frame of the Trailer, excluding any Non-Warranty Components.
 - f. **"Warranty Period"** means either the Component Warranty Period or the Frame Warranty Period, as applicable.

The Warranty is in substitution for and eliminates all other liabilities of any kind whether arising under statute, in tort, by implication of law or otherwise, including, to the full extent as may be allowed by law, liability for any other representations respecting the Trailer, statutory warranties or implied warranties or conditions as to the Trailer's merchantability or fitness. The Manufacturer's sole liability for a breach of the Warranty, and the Owner's sole remedy, shall be the repair or replacement of the defective component, as applicable. Under no circumstances shall the Manufacturer be accountable to any person for loss or damage to the Trailer or its parts, loss of time, inconvenience, business loss, consequential or other damages or any other claims associated to or amounting from any defect in factory materials or workmanship whenever found except as provided for herein.

Off Grid Trailers LP. reserves the right to change any components used in production at their discretion.

Note: If you plan to stop by the factory to have warranty work done on your unit, we require advance notice through an appointment.



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INTRODUCTION

This manual has been written to aid you in the proper and safe operation of your Off Grid Trailers product. Please read this manual **before** using your Off Grid Trailer. If you have any additions or suggestions and would like to see them added to this manual, please don't hesitate to write and let us know. Our address is on page 22.

 <p>Fully Upgraded Electrical System</p>	 <p>Custom Upholstered Queen Bed</p>	 <p>Onboard Fresh Water</p>	 <p>Full Feature Galley</p>
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HOOKING UP THE TRAILER

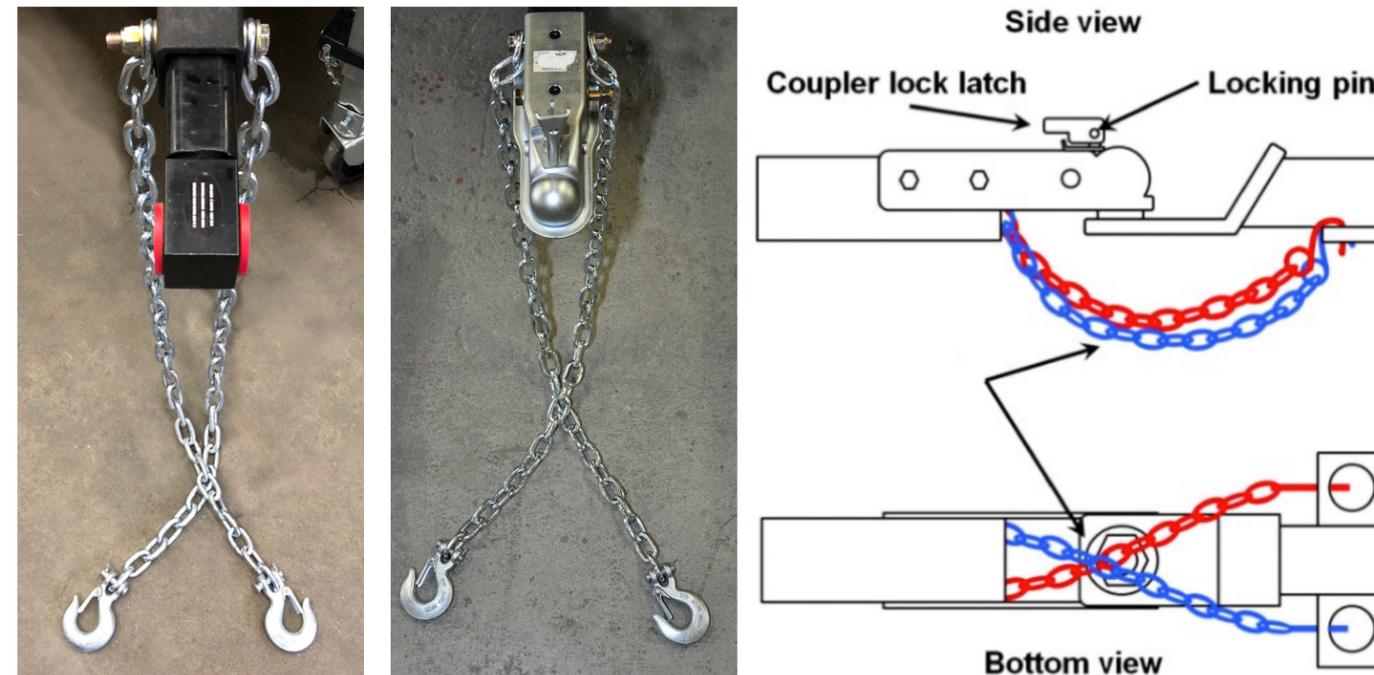


When loading your trailer, store heavy gear first, keeping it on or close to the camper floor. Distribute items to keep the loaded trailers tongue weight within 12-15% of the loaded trailer weight. Only store light items on high shelves. Distribute weight to obtain even side-to-side balance of the loaded vehicle. Secure loose items to prevent weight shifts that could affect the balance of your vehicle. When the trailer is loaded, drive to a scale and weigh tow each tow vehicle and trailer axle separately to determine axle loads.

The trailer axle load should not exceed its gross axle weight rating (GAWR). The total tow vehicle and trailer load should not exceed the gross combined weight rating (GCWR) of the tow vehicle and/or not exceed the tongue weight rating of the tow vehicle. These weight ratings are given on the trailer certification label that is located on the left side of the trailer on the A-frame/tongue.

Ensure your vehicle has hitch and receiver capacities that meet or exceed the trailer weight; only use a hitch ball that matches the coupler provided with your trailer. For trailers equipped with the optional Max Coupler, refer to the manufacturer's manual for proper hook up and use. Ensure the coupler is properly seated with the locking latch fully closed and locking pin inserted to the latch prior to towing your trailer. Always use safety chains when towing your trailer, and cross over the chains as illustrated in Fig.1.

Fig. 1. Safety Chain Image (crossover configuration)



HOOKING UP THE TRAILER

Your trailer is equipped with a manual trailer jack; turn the handle clockwise to raise the trailer, and counter clockwise to lower the trailer. Remove jack locking pin to rotate the jack as illustrated in Fig.2. If a wheel(s) is supplied with your trailer jack it is only intended for delivery assistance. Jack options are subject to change.

Fig. 2. Trailer Jack



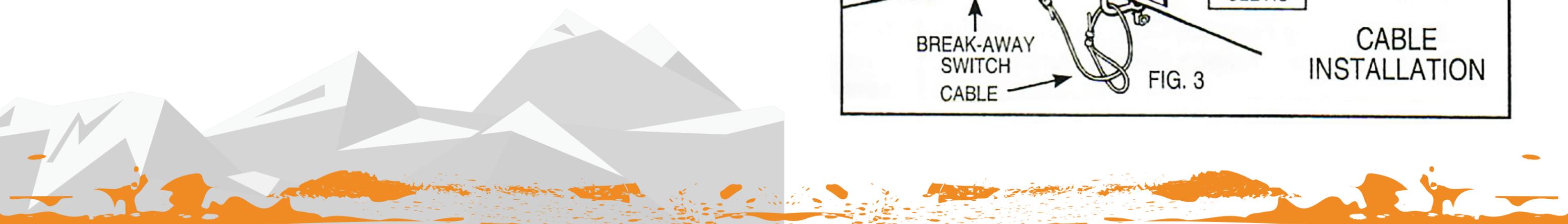
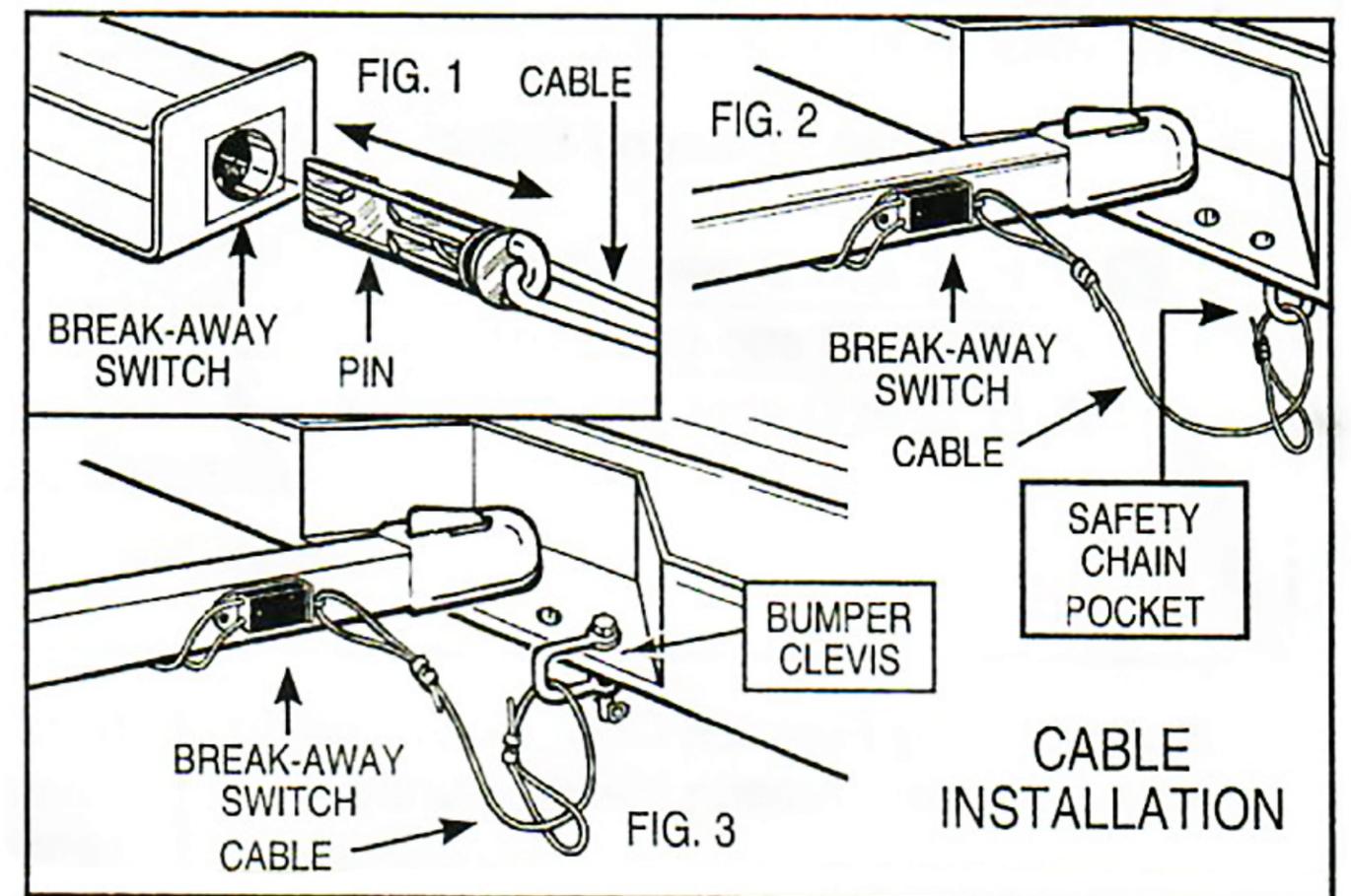
HOOKING UP THE TRAILER

The 7-pin trailer harness provides connection to your vehicle's turn signals, brake lights, running lights, brake control as well as provides power to your trailer. The connections in the trailer plug are according to industry standard, refer to wiring details section C of this manual to confirm this matches your vehicle connections and for additional information on optional charging wiring/configuration.

Your trailer is equipped with electric brakes; ensure you have a compatible brake controller and sufficient gauge wiring in your tow vehicle for a single axle two brake system (refer to your vehicle and/or brake controller owner's manual).

Attach the emergency brake away switch cable to the tow vehicle as illustrated in Fig. 3.

Fig. 3. Brake away switch and cable (Hopkins, 2018)





TOWING YOUR TRAILER

Towing a trailer requires an adjustment for the extra weight and size of the combined tow vehicle and trailer unit, both on and off road. Ensure your trailer load is distributed evenly with sufficient tongue loading with the limits of both your trailer and tow vehicle, this will help ensure safe travel as well as help prevent trailer sway.

As there are added challenges in towing a trailer over just driving a vehicle on its own, it is recommended additional resources and/or instructions are used to ensure safe towing.



STANDARD EQUIPMENT

PLUMBING

NOTE: Location of equipment described in this section varies between trailer models, refer to model specific trailer diagram at the end of this manual for location of equipment if not indicated.

Your Off Grid Trailer unit is plumbed so it can provide self-contained operation of the fresh water tank. You must use your 12 volt pump to pressurize the plumbing system since the water is being drawn from the unit's fresh water tank.



Fig. 4. Water Pump Switch

Fresh Water System Sanitization

The water system needs to be sanitized prior to FIRST use as well as after winterizing, if the system has not been used for extended periods of time or if the system is contaminated. Failure to do so may result in sickness, injury or death. Follow the procedure bellow or have a qualified RV technician perform the sanitization for you.

To sanitize fresh water system:

1. Drain fresh water tank as described in the fresh water tank draining procedure.
2. Adjust the recipe of 0.5 cup of chlorine bleach and 2 gallons of water for every 30 gallons of fresh water tank capacity to make a chlorine bleach solution to suit your trailers fresh water tank capacity.
3. Add chlorine bleach solution to fresh water tank and fill to capacity with water, shake the trailer to mix the tank contents.

For example: For a 30 gallon fresh water tank, add 0.5 cup of chlorine bleach to 2 gallons of water and mix, add this solution to the fresh water tank, than fill the fresh water tank with water (~28 gallons).

4. Turn on fresh water pump, open each faucet (hot and cold) and shower until chlorine bleach smell is evident.

NOTE: Set the water heater for full water flow, but do not turn water heater on.

5. Close faucets and shower and allow system to sanitize in the chlorine bleach solution for a minimum of 4 hours.
6. Drain fresh water system, re-fill with fresh water and flush all faucets (hot and cold) and shower to remove chlorine bleach solution. Repeat this step until chlorine bleach smell is gone.

NOTE: the water system is not sanitized at the factory and must be sanitized prior to use.

MODEL/TANK	SIZE
Expedition	31 Gallons
Pando Primary	14 Gallons
Pando Optional	19 Gallons

PLUMBING

Demand Pump

When switched on, the demand pump automatically maintains pressure by pumping water from the fresh water storage tank to the required water outlet as it's required (controlled by a discharge check valve). The demand pump switch is located on the front of the hot water on demand unit (refer to Figure 4) For normal operation, open all faucets (hot and cold and check to see that the bypass system on the hot water heater is in the normal position) and run water until air bubbles no longer affect water flow. Shutting off all faucets will automatically shut the pump off. Remember to shut the pump off when the tank is empty or when traveling. Refer to page 27 for a schematic drawing of the hot water tank and its normal operating position(s).

Waste drainage

The trailer is not equipped with a gray water system, collect and dispose of gray water according to the local guidelines and regulations.

Freshwater Location and Filling

Fresh water fill locations vary by model, refer to the model specific trailer diagram at the end of this manual. To fill the fresh water storage tank, remove fill cap and fill with hose.



Fig. 5. Freshwater Fill for Expedition 2.0



Fig. 6. Freshwater Fill for Pando 2.0

PLUMBING

Fresh Water Draining Procedures

To drain the fresh water tank, freshwater drains vary by model, refer to the model specific trailer diagram at the end of this manual. The drain cock is located near the freshwater tank.



Fig. 7. Freshwater Drain for Expedition 2.0



Fig. 8. Freshwater Drain for Pando 2.0



STANDARD EQUIPMENT



PROPANE SYSTEM



SAFETY TIPS

- **DO NOT** disconnect or remove any tank while valve is open.
- **DO NOT** store gasoline or any other flammable liquid near any propane appliance.
- Propane tanks should **not be left open** while traveling.
- Never fill with natural gas.
- Remove tanks from camper before filling.
- Never fill to more than 80% capacity.
- **DO NOT** tow the trailer with wall mounted tanks in position.



IF YOU SMELL GAS OR PROPANE DETECTOR GOES OFF

- **DO NOT** touch electrical switches.
- Extinguish any open flame.
- Open windows.
- Shut off propane at tank(s).
- Have your system checked by a qualified LP gas technician.



STANDARD EQUIPMENT



ELECTRICAL SYSTEM

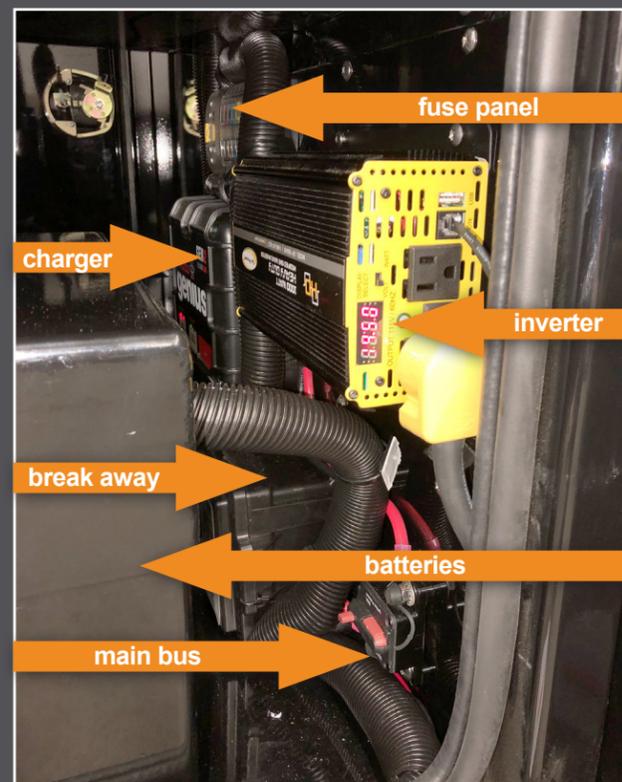


Fig. 9. Main Electrical Panel



Fig. 10. Shore/Solar Power Plug

Shore Power Charging

To charge via shore power, simply plug a standard 15-amp power cord into the exterior mounted shore power port and plug in electrical power source.

Replacement and Maintenance of Lights

All interior and exterior lights are LED fixtures rated to provide issue free service for the life of the trailer. The LEDs in these fixtures are not serviceable, and the fixture must be replaced if malfunctioning by a qualified RV technician.

NOTE: External light fixtures may require seasonal maintenance to prevent corrosion.



STANDARD EQUIPMENT

ELECTRICAL SYSTEM

Power Inverter and Fuse Panel

1. All 12 volt circuits are protected from overload by automotive type fuses indicated on the fuse panel.
2. 110 volt circuits are operated by the power inverter remote installed in the inside cabinet on the operator panel.
3. The main BUS master power off is in the unit front box with the main system 12 or 6V batteries. Depress to turn off all unit power.

Fuses

The fuses used in every Off Grid Trailer unit are an automotive fuse.

EXPEDITION		
FUSE	AMP	DESCRIPTION
1	15	Stereo
2	15	Exterior Lights
3	-	Empty
4	10	Interior Lights
5	-	Empty
6	5	USB Plug
7	-	Empty
8	15	Water Pump
9	-	Empty
10	15	Fan
11	-	Empty
12	15	Furnace

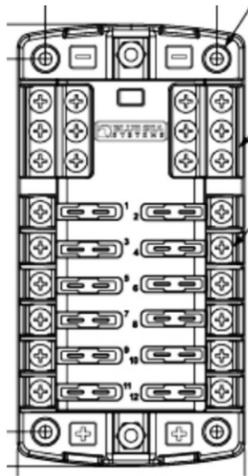


Fig. 11. 12V Circuit and Fuse Location

PANDO		
FUSE	AMP	DESCRIPTION
1	15	Stereo
2	15	Exterior Lights
3	20	Fridge
4	10	Interior Lights
5	15	Galley Lights
6	5	USB Plug
7	-	Empty
8	15	Water Pump
9	-	Empty
10	15	Fan
11	-	Empty
12	15	Furnace



STANDARD EQUIPMENT

ELECTRICAL SYSTEM

Wiring Details

The following details of each unit's color coded wiring layout is intended to aid only authorized RV technicians to troubleshoot and repair any wiring problems that could potentially arise and is not intended to aid the owner in doing any electrical repairs.

Wired (not connected at factory)*

Tow vehicle to trailer battery connection requires electrical installation and modification of the 12V trailer pin by an authorized RV technician or Automotive Technician. The manufacturer is not responsible for any damage caused to the tow vehicle through electrical modification.

Fig. 12. 7-Pin Connector

Trailer 7 Pin Plug (View looking into connector)	Pin	Function	Wire Color Code	
			Tow Vehicle	Trailer
	1	Ground		
	2	Trailer Brakes		
	3	Tail/Running Lights		
	4	Aux 12V+ Charging		Wired N/C*
	5	Left Turn/Stop Light		
	6	Right Turn/Stop Light		
	7	Center Aux (Backup lights)		Not In Use

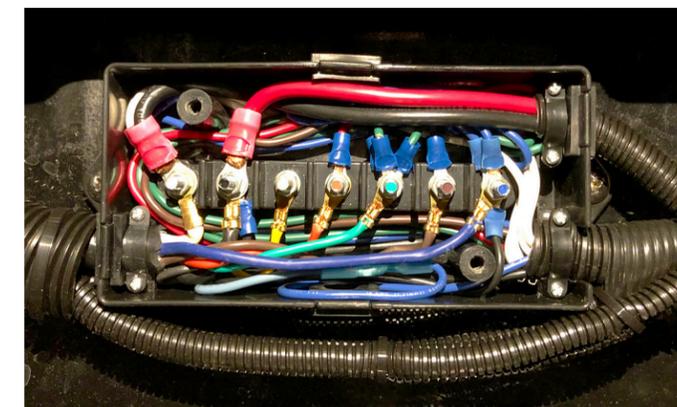


Fig. 13. Connected and Not Connected Junction Box (12V Charging)



STANDARD EQUIPMENT



APPLIANCE OPERATING INSTRUCTIONS

Appliance Operating Instructions

Refrigerator Operating Instructions

Since models may vary depending on the type of Off Grid Trailers unit you own, please refer to the individual component manufacturer's warranty/manual for specific operating instructions and winterizing (included in your Off Grid Trailers warranty/manual pouch).

Hot Water Heater Operating Instructions

Since models may vary depending on the type of Off Grid Trailers unit you own, please refer to the individual component manufacturer's warranty/manual for specific operating instructions and winterizing (included in your Off Grid Trailers warranty/manual pouch).

Furnace Operating Instructions

Since models may vary depending on the type of Off Grid Trailers unit you own, please refer to the individual component manufacturer's warranty/manual for specific operating instructions (included in your Off Grid Trailers warranty pouch).



For the Propex HS2211 unit, access to the heater reset switch is located on the interior of the roof mounted aluminum heater box. The removable panel is sealed with reusable butyl tape. The reset switch is below the wiring harness (protected by rubber boot-marked in yellow as in Fig.14). Depress the yellow boot to reset the heater unit.

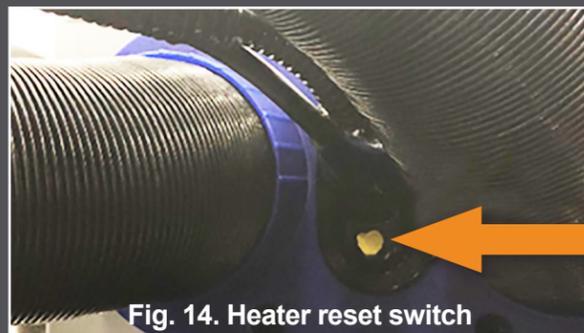


Fig. 14. Heater reset switch

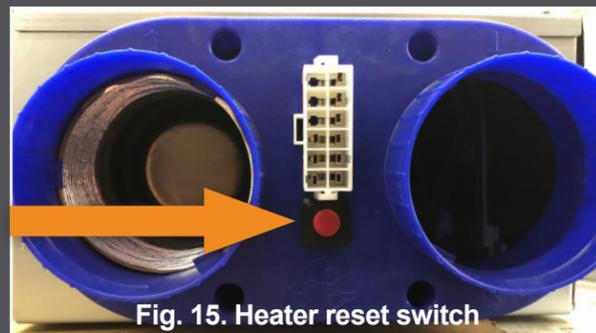


Fig. 15. Heater reset switch



STANDARD EQUIPMENT



APPLIANCE OPERATING INSTRUCTIONS

Stove Operating Instructions

Since models may vary depending on the type of Off Grid Trailers unit you own, please refer to the individual component manufacturer's warranty/manual for specific operating instructions (included in your Off Grid Trailers warranty pouch).



SAFETY TIPS

- When using your stove ensure that combustibles are kept away from the stove, maintain at least 30 inches of clearance away from combustibles above the stove.
- Always ensure there is proper ventilation to provide the stove air for combustion and dissipation of fumes. **REMEMBER** carbon monoxide poisoning can occur if there is insufficient ventilations.
- **REMEMBER**, never leave oven pilot or range burners on while unattended or while sleeping. Never use stove top to heat trailer.

Fire Extinguisher Instructions (where equipped)

Each unit is equipped with a centrally located fire extinguisher. For further information please refer to the individual component manufacturer's warranty/manual for specific operating instructions (included in your Off Grid Trailers Warranty Pouch).

Carbon Monoxide Detector (where equipped)

Your trailer may be equipped with a CO detector designed to warn you of dangerous CO levels. If alarm sounds immediately open all windows, vents and doors and air unit out. Be sure to read manufacturer's manual for correct maintenance and testing procedures.

Smoke Detector (where equipped)

Your camper may be equipped with a smoke detector. Test before each trip and change batteries at least annually.



STANDARD EQUIPMENT

FRAME, SUSPENSION, BRAKE, BEARINGS, WHEELS & TIRES

Your trailer has been designed for off road use with an independent Timbren suspension and all terrain tires. Due to increased vibration caused by off road use, fasteners including wheel lug-nuts are more prone to loosening and need to be inspected for tightness to specified torque on a frequent basis. Refer to the maintenance schedule in the appendix for **required service intervals**.

Frame

Although the frame has been designed for the abuse of off road travel, regular inspection of the frame is required to ensure no damage or cracks have formed, particularly with off road travel. If damage or cracks are found or suspected have the trailer inspected and repaired by a qualified RV technician.

Suspension

A Timbren Axle-less independent suspension is installed in your trailer, refer to the maintenance schedule in the appendix for required service intervals and refer to the individual component manufacturer's warranty/manual for specific operating and maintenance instructions (included in your Off Grid Trailers warranty pouch).

Factory set suspension torque:

- Main suspension bracket bolts: 170 ft/lbs
- Spindle mount bolts: 160 ft/lbs

Factory set camber and toe-in measurements:

- Camber: +/- 1°
- Toe-In: 0 - 1/16 inch toe in (Toe-In measured at 30 inch hub centric span)

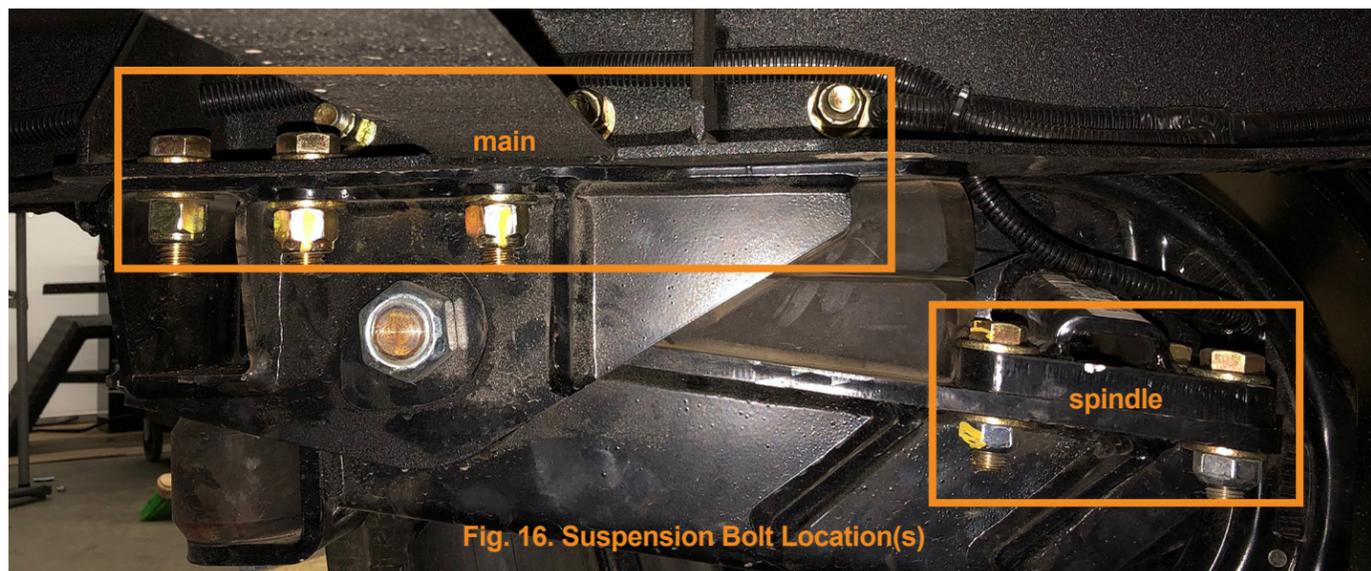


Fig. 16. Suspension Bolt Location(s)



STANDARD EQUIPMENT

FRAME, SUSPENSION, BRAKE, BEARINGS, WHEELS & TIRES

Brakes

Your trailer is equipped with electric brakes which includes an emergency brake away system. Due to the low weight of your trailer, brakes may not be required by your local regulations, but lack of use may cause corrosion of the brake system parts which will not be covered by warranty. Always check the regulations of where you will be traveling with your trailer for brake and other trailer towing requirements.

The emergency brake away system will activate the brakes on the trailer if the trailer becomes unhitched from the tow vehicle. For proper function, the brake away switch lanyard must be attached directly to the tow vehicle and the emergency brake system battery must be fully charged. Refer to the maintenance schedule in the appendix for required service intervals and refer to the individual component manufacturer's warranty/manual for specific operating and maintenance instructions (included in your Off Grid Trailers warranty pouch).

The brake system on your trailer is controlled by a brake controller in your tow vehicle, you may need to have a brake controller installed in your tow vehicle if you do not have one. Refer to the manual supplied with your brake controller for the specific instructions on how to operate and setup the trailer and tow vehicle brake system (and/or consult with a qualified RV technician).

To ensure proper and safe function, regular inspection, maintenance (including break away battery backup charging) and adjustments of the brake system are required, refer to the maintenance schedule in the appendix for required service intervals and refer to the individual component manufacturer's warranty/manual for specific operating and maintenance instructions.





STANDARD EQUIPMENT

FRAME, SUSPENSION, BRAKE, BEARINGS, WHEELS & TIRES

Wheel Bearings

To ensure proper and safe function, regular inspection, maintenance and adjustments of the wheel bearings are required, refer to the maintenance schedule in the appendix for required service intervals and refer to the individual component manufacturer's warranty/manual for specific operating and maintenance instructions.

Wheels and Tires

Off road travel increases the chance of wheel and tire damage; frequently check you trailer tires and wheels for damage, especially if traveling off road. Note that wheel/tires over 33 inches may cause interference in an overloaded trailer. Optional Timbren jounce springs may be required (Consult with OGT). Your trailer is not equipped with a jack or lug nut wrench, ensure jack and wrench used is adequate for the trailer weight and jack points. If needed, jack the trailer by the frame just behind the suspension mount (as illustrated in Fig. 17, always ensure the trailer is parked on level surface and use wheel chock. Progressively re-tighten the wheel lug nuts in the pattern illustrated in Fig. 18 to a final torque of 100ft/lbs., re-check wheel torque after 50 and 100 kms (30 and 60 miles), Check and inflate tires to corresponding tire pressures on your trailer Vehicle Information Plate. When replacing tires, ensure replacements meet or exceeds tire weight rating.

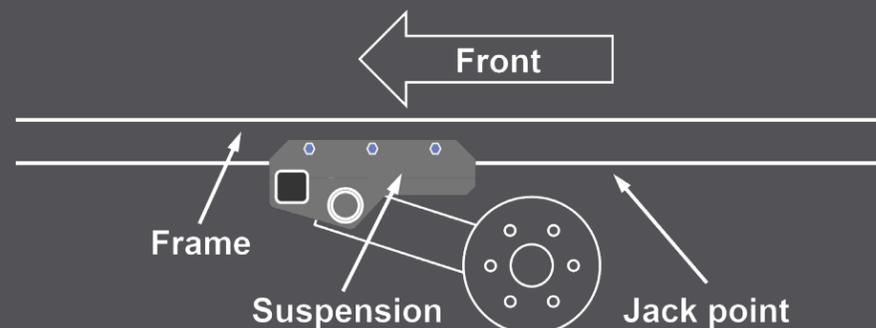


Fig. 17. Jacking Point



Fig. 18. Wheel Lug Nut Tightening Pattern

Refer to the maintenance schedule in the appendix for required service intervals and refer to the individual component manufacturer's warranty/manual for specific operating and maintenance instructions.



OPTIONAL EQUIPMENT

SHORE POWER/BUILT-IN BATTERY CHARGER

The built-in battery charger will automatically charge the recreational vehicle's battery system (if the units are plugged into a 110-volt power source). The battery system will not charge if separated by an isolator. The break away battery backup will only be fully charged if the main battery system is fully charged. If problems occur, do not attempt to fix it yourself, take it to a qualified RV technician.

AWNING (WHERE EQUIPPED)

Since models may vary depending on the type of Off Grid Trailers unit you own, please refer to the individual component manufacturer's warranty/manual for specific operating instructions (included in your Off Grid Trailers warranty pouch).

Use guy ropes to stake and secure your awning to the ground at all times. Never use awnings in high winds as it can damage camper and awnings.

ROOF TOP TENT (WHERE EQUIPPED)

Since models may vary depending on the type of Off Grid Trailers unit you own, please refer to the individual component manufacturer's warranty/manual for specific operating instructions (included in your Off Grid Trailers warranty pouch).

Use guy ropes to stake and secure your roof top tent to the ground at all times. Never use roof top tents in high winds as it can damage camper and tents.

PORTA POTTI (WHERE EQUIPPED)

Please refer to the individual component manufacturer's warranty/manual for specific operating instructions (included in your Off Grid Trailers warranty pouch).

TV (WHERE EQUIPPED)

If your unit has an optional TV installed, please ensure the bracket arms are tight and strapped with the TV stored flat to wall when traveling.

LEVELING/STABILIZING JACKS (WHERE EQUIPPED)

Use jacks with supplied handle to operate and stabilize the trailer. **Do not support the full trailer weight on jacks.**





INTERIOR MAINTENANCE TIPS

- All Off Grid Trailers have been designed to be compatible with mild cleaning agents, so each unit's appearance and quality can be maintained.
- All the cushions used in the manufacturing process are foam backed and therefore can be professionally cleaned.
- These tips will prolong the life and add to a better re-sale value of your Off Grid Trailer.



EXTERIOR MAINTENANCE TIPS

- Wash the unit regularly with mild soap and water, the trailer wraps although durable, may overtime weather and may scratch, this will not affect the performance of the trailer walls.
- Wax the jack every 6 months to prevent rusting.
- Check roof sealant and silicone annually and re-apply if cracked or peeling.
- Rinse windows well to remove dirt before cleaning with clean soapy brush. **Always ensure window latches are locked before traveling.**

WINTERIZING

By ensuring that your Off Grid Trailer unit is properly serviced and protected, you can prevent any damage caused by cold weather. In this way your Off Grid Trailer unit will be ready for next year's enjoyment with a minimum of preparation.

Trailer Winterizing:

1. Drain all holding tanks, fresh water tank, and hot water heater. Remove the drain plug in the hot water heater located in the hot water heater compartment on the outside of the unit. **REMEMBER** this drain plug is under pressure, release this pressure by opening the hot water tap in unit and then remove drain plug from the hot water heater.
2. Leave the dump valve in the open position.
3. Flush the entire water system with NON-TOXIC RV anti-freeze by:
 - a. Replace hot water drain plug;
 - b. Insert end of line into a container of RV anti-freeze.
 - c. Turn pump on to pressurize system with RV anti-freeze;
 - d. Open each faucet, one at a time, both hot and cold and run slowly until anti-freeze begins to flow out of the faucet. Ensure RV anti-freeze is run through the shower head;
 - e. Turn pump off and open all taps to relieve pressure; leave all taps open.
 - f. Remove hot water drain plug (see Fig. 19.);



Fig. 19. Hot Water Drain Plug

- g. Close the dump valve(s).
 - h. Switch anti-freeze bypass valve to operating position.
4. Lift cushions and mattress slightly to allow circulation of air beneath them.
 5. Ensure that all windows and vents are closed.
 6. Cover with a trailer cover is recommended to protect unit from ice formation; do not use tarp or materials that do not allow moisture to escape as moisture may build up under the cover.
 7. Periodically check unit for snow load and remove excessive amounts.



GENERAL MAINTENANCE

WINTERIZING

Location Of Hot Water Heater In Each Unit

Outside the unit, may vary depending on the type of Off Grid Trailers unit you own.

NOTE: If you wish to use your Off Grid Trailers unit for winter recreation, the precaution is that you winterize the water system and do not use any part of it since the holding tanks and plumbing system are not insulated.

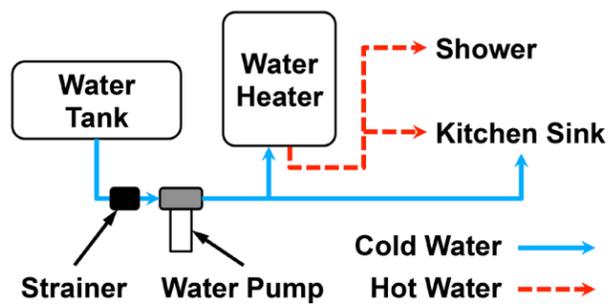


Fig. 20a. Water Heater General Layout

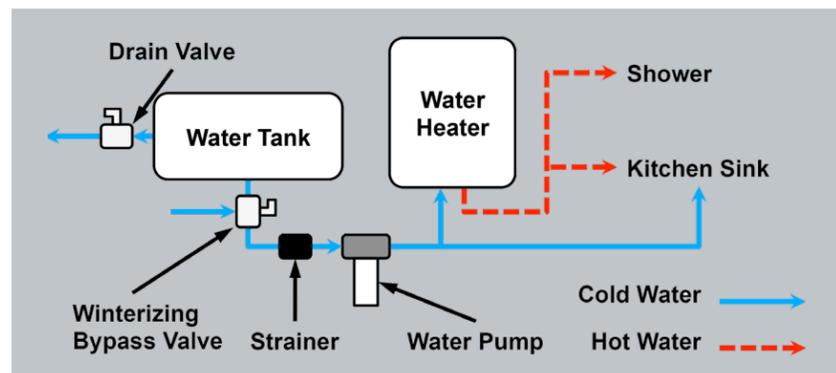


Fig. 20b. Water System Layout - Expedition

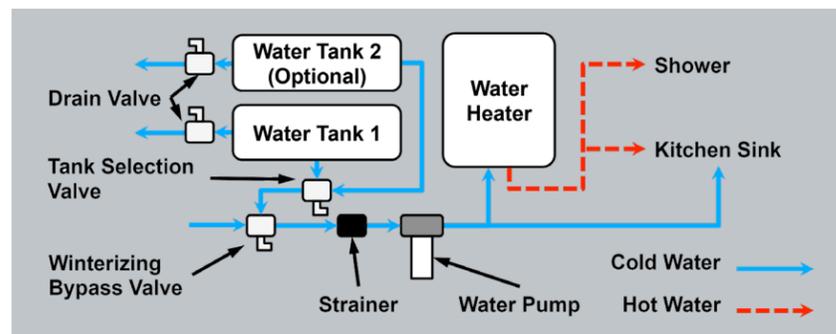


Fig. 20c. Water System Layout - Pando



WARRANTY SERVICE

If you require warranty work to your unit (this warranty is effective for twelve months after date of purchase by the original owner) it should be taken to your nearest Authorized Off Grid Trailer Dealership. To locate the Authorized Off Grid Trailer Dealership nearest you, please call Off Grid Trailers LP.

If you are in the area, warranty and special repairs can also be done at Off Grid Trailers LP facility but remember to call ahead for an appointment so as not to inconvenience you or our production staff.

We offer this service to ensure you are professionally serviced and fully satisfied so you may again enjoy a trouble free Off Grid Trailers product regardless of whether you travel in Canada or the United States.

Our address: Off Grid Trailers LP
#107 – 8716-48 Ave NW
Edmonton, AB T6E5L1
Canada

Telephone: 780-760-3103

Email: warranty@offgridtrailers.com
Web site: www.offgridtrailers.com



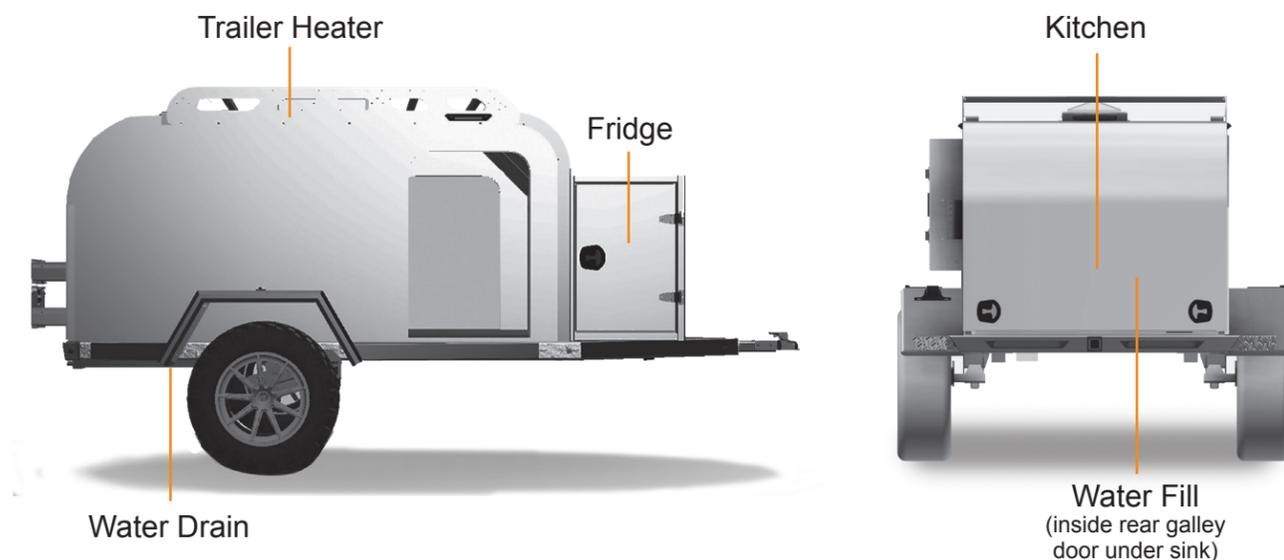
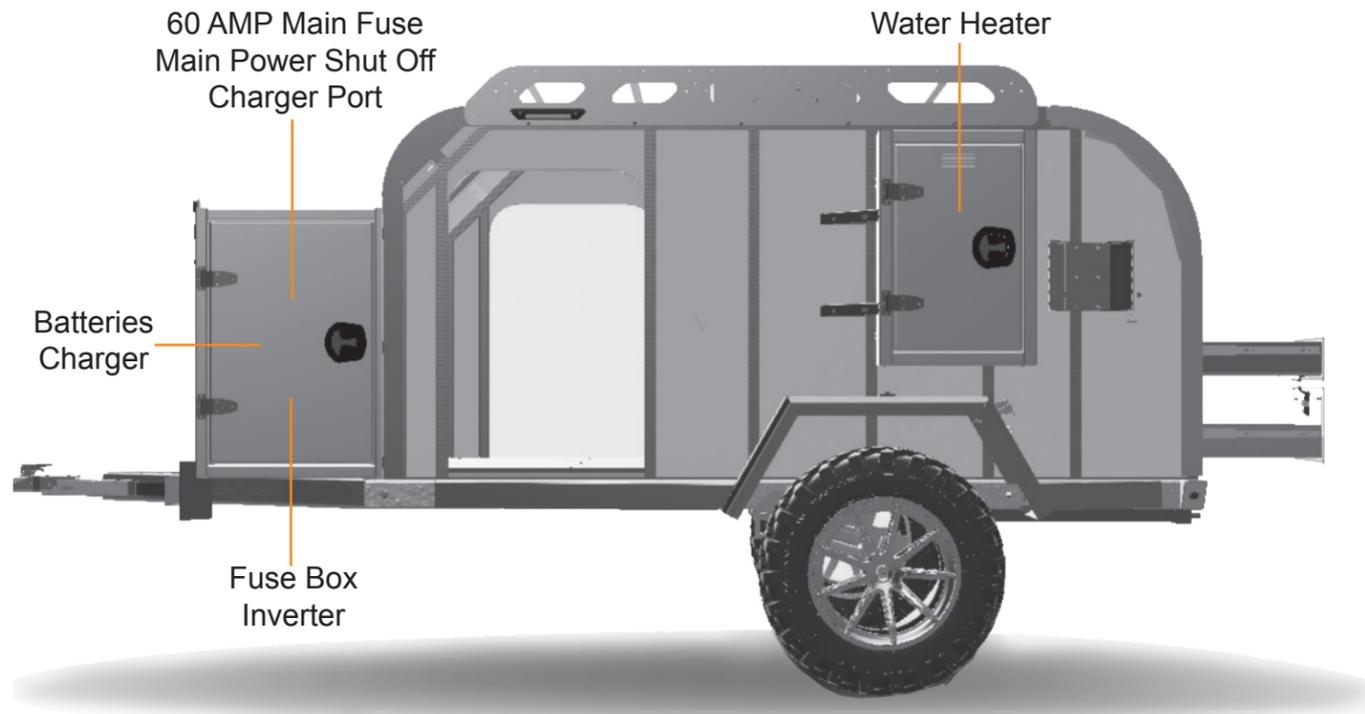


PANDO

WARRANTY REGISTRATION



Please complete the warranty registration form found online at offgridtrailers.com. Alternately, please complete the following form; mail or scan/email completed form to Off Grid Trailers LP. This is the only way we have of establishing the customer's warranty and to provide recall notification.



Purchaser's Information	
Name:	
Address:	
Email:	
City:	
Province/State:	
Postal/Zip Code:	
Phone Number:	

Trailer Information	
Model:	
VIN:	
Date of Purchase:	

Dealer Information (if applicable)	
Dealer Name:	
Address:	
City:	
Province/State:	
Postal/Zip Code:	
Phone Number:	
Salesperson's Full Name:	

Email to: warranty@offgridtrailers.com

Or mail to: Warranty Registration c/o
OFF GRID TRAILERS LP.
#107 – 8716-48 Ave NW
Edmonton, AB T6E5L1
CANADA

I agree to allow Off Grid Trailers LP to contact me via email regarding new products and services provided by Off Grid Trailers LP and its affiliates.



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